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Supplementary webappendix

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Webappendix

Child Mortality

In this Webappendix, we provide more detail on modifications to the methods presented in Rajaratnam et al. used for this study. Web Table 1 provides a summary by country and source of the data sources used in this study. To be consistent with how the source years are counted for maternal mortality, we count complete birth history estimates covering a 2 year period as 2 site-years of data. The Web Table has recomputed the number of site years used in the Rajaratnam et al study to be comparable with this approach. Overall, we have included 2595 new site-years in this study that cover 191 countries.

Our overall analytical strategy for child mortality estimation is summarized in Web Figure 1. The work on child mortality estimation as noted involves analysis of micro-data wherever possible to take advantage of new methods for the analysis of summary birth histories. The data synthesis step uses Gaussian Process Regression. Some modifications of the approach of Rajaratnam et al are noted here.

In the following section we note several areas of refinement.

1) Analyzing summary birth history data

For the 9,203 summary birth history data points, we used the revised methods for summary birth histories.[1] To take advantage of new datasets with both complete and summary birth histories, we re-estimated the parameters for the summary birth history model. We have also refit the model separately for surveys where respondents are all women versus surveys where respondents are ever-married women. We also revised and standardized the code for processing summary birth history data.

2) Complete birth history data

We analyze complete birth history data by two-year intervals as compared to five-year intervals used by the Demographic and Health Surveys. We have modified the exact time to which each two-year interval of data is assigned to better reflect the weighted mid-point of the interval; in our previous analysis in some countries we located the time of the birth history data at the beginning of a time interval rather than at the weighted midpoint. We also modified the analysis of complete birth histories for Rwanda to isolate the impact of the genocide in 1994 from adjacent years.

3) Vital registration data

We modified the ${}_{n}a_{x}$ value for low infant mortality countries. For Caribbean countries without surveys to validate the completeness of vital registration, we used the average of completeness in the region for countries with survey and vital registration data. Because of different histories of vital registration, we assess the average completeness of Commonwealth nations of the Caribbean separately from other nations in the Caribbean.

4) Gaussian Process Regression

Gaussian Process Regression (GPR) requires specifying a probability distribution over possible trends in the under-5 mortality rate in a country. The distribution we use relies on the Matern covariance function to assign different probabilities to different trends. The Matern covariance function has three parameters: the scale, which controls the correlation between 5q0 over time, the amplitude, which controls how much we expect the trend in 5q0 for a particular country to deviate from our prior expectation, and the degree of differentiability, which controls how rapidly 5q0 can change. We have modified the method used in Rajaratnam et al for selecting these parameters. For each country, we withhold data within 20 years of the last data point as well as a random five-year block of data. This holdout strategy tests the model's performance on both forecasting and prediction in sparse data settings. We fit the GPR to the data that remains and calculate the probability of the predictions for the withheld dataset based on the model. This metric of error incorporates both the model's performance on predicting a point estimate of 5q0 and its performance on predicting a confidence interval. We repeat this procedure for a range of different scales and amplitudes and select the parameter set that achieves the highest predictive probability on the withheld dataset for the country. The scales we test are 15, 20, 25 and 30. The amplitudes we test are the square root of the mean square sum of residuals (the quantity used to set amplitude in Rajaratnam et al), 50% below this quantity and 50% above this quantity.

We have rerun our cross-validation analysis for determining the mean of the Gaussian process distribution used in the regression. We use a Loess regression for the mean. We select the smoothing parameter for the Loess regression using cross-validation. On the new dataset, the optimal parameter has changed from 1 to 1·3. We have not used this Loess regression for Oman, Saudi Arabia, Maldives, and Palestine, because the sparse data in those countries induces implausible trends. Instead, we use a regression of 5q0 on year and a country dummy.

For countries with incomplete vital registration but without survey data by which to correct this, we included an adjustment based on regional completeness in the previous paper. For countries in the Caribbean that meet this criterion, we have split the regional completeness into two categories: Commonwealth Caribbean and non-Commonwealth Caribbean, because the vital registration system in these countries will likely differ in quality between these two categories.

Because the cross-validation process for selecting the scale and amplitude parameters is computationally intensive, we also have updated how we fit the Gaussian process. Instead of fitting the regression using Markov Chain Monte Carlo simulation, we fit it analytically. To make the analytical calculation tractable, we have replaced the prior distributions specified for the variance parameters in the model with the means of the prior distributions. These means were calculated with the same empirical method used in the previous paper.

5) Age-sex model

As noted in the body of the text, we sought to elaborate our model for assessing mortality under age five, by sex, and detailed age-group so that we can generate estimates for early neonatal, late neonatal, postneonatal, and childhood mortality. We generate these estimates using a two-stage modeling process. In the first stage, we estimate male and female under-5 mortality. In the second stage, we estimate sex-specific early neonatal, late neonatal, postneonatal, and childhood mortality from the sex-specific under-5 mortality estimates produced in the first stage and then combine these to produce estimates for both sexes for each age group.

The data used to inform the models for both stages consists of vital registration (VR) data and data from complete birth histories (CBH) from 1950 to present. We apply a number of exclusion criteria to ensure that only reliable data are used to inform the model relationships. VR data are excluded if incomplete or from countries with very small under-5 populations as these data have large sampling variance. Both VR and CBH data are excluded if the total number of under-5 deaths is less than 200 or if the sex-ratio observed in the data is obviously too extreme. In a limited number of cases, CBH data are excluded from countries where these data are obviously inconsistent with complete VR data. Similarly, both VR and CBH data may be excluded on a case-by-case basis when obviously inconsistent with other data in the same country.

In the first stage, we group all observations in our dataset into 20 evenly sized bins of observed 5q0 (both sexes). We then fit the model:

$$\frac{5q0_{male}}{5q0_{female}} = \beta + \gamma_{5q0\ bin} + \gamma_{region} + \gamma_{country} + \varepsilon \qquad (1)$$

Where β is the intercept, $\gamma_{5q0\ bin}$ is a random effect on the 5q0 bin indicator, and γ_{region} and $\gamma_{country}$ are nested region and country random effects. Local regression is then used to estimate a smooth, non-parametric relationship between the posterior values for $\gamma_{5q0\ bin}$ and 5q0, generating a continuous function $\gamma'_{5q0\ bin}$ = f(5q0). This model has the advantage of capturing the empirically clear non-linear relationship between the sex ratio and level of 5q0. We then are able to predict $5q0_{male}/5q0_{female}$ for each country-year of interest based on the estimate of 5q0 for both sexes combined, using the following equation:

$$\frac{5q0_{male}}{5q0_{female}} = \beta + \gamma'_{5q0\ bin} + \gamma_{region} + \gamma_{country} \qquad (2)$$

We then calculate both $5q0_{male}$ and $5q0_{female}$ by solving the system of equations formed by equation (2) above and equation (3) below involving the sex-ratio at birth:

$$5q0_{both} = \left(\frac{1}{1+birth\ sex\ ratio}\right) * 5q0_{female} + \left(\frac{birth\ sex\ ratio}{1+birth\ sex\ ratio}\right) * 5q0_{male} \qquad (3)$$

In the second stage, we model each age—early neonatal, late neonatal, postneonatal, infant, and childhood—as a function of under-5 mortality separately for each sex for a total of ten models. Because some data sources only distinguish infant and childhood deaths, and not early, late, and postneonatal deaths, there is considerably more data informing the infant and childhood models than the models for the other ages. For each model the response variable is the log of the probability that an under-5 death occurs in the given age group.

These models are similar to the first stage model and the same process is applied to interpolate a continuous non-linear function between the outcome variable and under-5 mortality:

$$\log(\Pr(death\ at\ age\ y | under\ 5\ death)) = \beta + \gamma_{5q0\ bin} + \gamma_{region} + \gamma_{country} + \varepsilon \qquad (4)$$

After fitting all ten models and transforming the predictions to death risks, we scale the predictions to guarantee consistency both by age and sex with the estimates of 5q0. At both stages we take into account uncertainty by making predictions from the models on all of the simulations generated by GPR for 5q0 and by additionally simulating uncertainty around both the fixed and random effects from the first and each of the second stage models.

We assessed both the in-sample fit and out-of-sample predictive validity for these models. In-sample fit was assessed by comparing the predicted estimates for each age and sex to the data that were used to fit the model. For each age and sex the mean and median relative error were calculated from this comparison.

Out-of-sample predictive validity was assessed in three ways. First, the models were fit repeatedly on a randomly selected subset of 80% of the data. Predictions from each of these repetitions were compared to the 20% of data that was withheld when fitting the model and the mean and median relative error were calculated from this comparison for each age and sex. Second, the models were repeatedly fit on a randomly selected subset of data from countries representing 80% of the data -- this differs from the first method described in that it is countries, rather than individual data points, which are randomly selected to be withheld, although in both cases a similar amount of data is withheld in each repetition. As in the first case, predictions from each of these repetitions were compared to the withheld data and the mean and median relative error were calculated for each age and sex. Finally, the models were fit on the entire dataset excluding the most recent decade worth of data. Predictions were then made for this decade and the withheld data was compared to these predictions and the mean and median relative error calculated. The first two assessments test the models' ability to predict in the absence of data; the second in particular tests the models' ability to give accurate predictions when there is no data at all for a given country. The third assessment tests the models' ability to forecast outside of the range of available data.

The results of all predictive validity assessments are shown in Web Table 2. The results shown for male and female 5q0 represent the predictive validity of the sex model alone while the results shown for all other age and sex groups represent the combined predictive validity of the sex model and the various age models.

6) Under-5 deaths calculation and aggregating child mortality rates

We updated our method in calculating number of deaths in each under-5 age group to precisely capture the effects of age, period, and cohort on mortality. We divide each yearly birth cohort into 52 birth-week cohorts and follow them all way to age 5. For each birth-week cohort, depending on the starting and ending time in each age group, we apply our mortality rate estimates from potentially different years. For example, for the 15th birth-week cohort of year *t*, it will be exposed to mortality risk in both year *t+2* and year *t+3* in age 2. We then account exactly how many days this cohort spent in year *t+2* in age group 2 and how many days this cohort spent in year *t+3* in age group 2. By doing so, we are able to “allocate” the deaths in age 2 for this cohort to year *t+2* and *t+3* based on cohort size and exact exposure to mortality risk in different periods.

Population estimates for each of the aforementioned age groups are also calculated in a similar manner where we count the number of days lived by both those died in and survived a specific age group in a specific year. These population estimates are used as weights when we aggregate child mortality in different age groups at different regional levels, which include GBD region, developed vs. developing, and global level.

Maternal Mortality

Web Figure 2 provides an overview of the maternal mortality estimation process. In the following section we provide more detail on some of the steps, highlighting changes or refinements in the approach compared to the Hogan et al analysis.

1) Database

Webtable 3 provides a summary by country of the number of observations included in this analysis. For reference using comparable methods for counting, the table also provides the number of observations used in the analysis by Hogan et al. for each country. The number of observations has been substantially increased due to a wide range of efforts to identify sources that were not previously used. In total, we have new data for138 countries out of the 187 in this analysis. We also note that in the Hogan et al analysis only 181 countries were included. The number of sibling history observations have increased substantially for two reasons. First, some new sibling history surveys have been identified and analyzed. Second, in the Hogan et al paper, sibling history data from different surveys for the same year were pooled into a single observation. We have chosen not to pool observations in this study from different surveys in order to be able to better assess non-sampling variance from various data sources. New vital registration data have been obtained for a large number of countries and surveillance system data have also been substantially expanded. We also detected a mistake in the Hogan et al data processing for Laos that has been corrected here.

2) Data processing

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. Based on discussions after the publication of Hogan et al,[2] we have modified the method used for estimating the number of maternal deaths that are HIV-related deaths during pregnancy or within 42 days of the termination of pregnancy. We previously estimated this using the regression equation for maternal deaths by estimating a counterfactual with the HIV prevalence set to zero. This would in principle capture HIV-related deaths during pregnancy and the potential increase in maternal mortality from direct and indirect obstetric causes due to the adverse effects of the HIV epidemic on the health system. We have, therefore, attempted to directly estimate the fraction of HIV deaths in each five-year group from 15 to 49 that are likely to occur during pregnancy. We estimate the number of HIV-related deaths during pregnancy assuming that HIV-related mortality in a female age-group is uncorrelated with probability of becoming pregnant. Logical arguments could be extended to suggest that the risks could be negatively or positively correlated. In the absence of clear evidence, we have assumed they are uncorrelated. The fraction of deaths in an age-group in a country that are expected from HIV-related deaths during pregnancy is then:

$$HIV\ Related\ Deaths\ in\ Pregnancy_a = HIV\ deaths_a * \%\,Time\ Spent\ Pregnant_a$$

where a is age.

We estimated percent time spent pregnant or within 42 days of termination using the following equation:

$$Percent\ \ of\ \ year\ \ spent\ \ pregnant_a = Age\ \ Specific\ \ fertility\ \ rate * \frac{46}{52} * (1 + Neonatal\ \ Mortality)$$

The expression 46/52 represents the fraction of a year on average that is taken up by a normal duration pregnancy and the 6 weeks post-pregnancy included in the definition of maternal mortality. In the absence of age-specific data on stillbirth rates for each country-year, we use an approximation based on the neonatal mortality rate. Neonatal death rates based on this study are available for all country-years from 1980 to 2011. On average, the late fetal death rate is approximately equal to the neonatal mortality rate; this provides an approximate correction for time spent pregnant that does not end in a live birth.

We use our estimate of HIV-related deaths during pregnancy to subtract from our estimate of total maternal deaths to yield an estimate of maternal deaths due to direct and indirect obstetric causes.

3) Choosing the best model based on predictive validity

Following the principles laid out by Hogan et al, we chose the best model for maternal mortality estimation using strict out-of-sample predictive validity tests.[3] To capture the rich debate on model specification that followed our publication in 2010, we substantially expanded the set of models that we evaluate. We have explicitly attempted to capture the type of mixed effect linear models used by Wilmoth et al[4] in this assessment. We have further drawn on advances in the literature in other fields such as meteorology,[5] the Netflix Challenge,[6] and verbal autopsy[7] to expand the pool of models that we assess. Model assessment follows in three stages.

Based on the published literature, we first identified a range of plausible covariates for maternal mortality. These are shown in Web Table 4. We divide these covariates into three groups based on the strength of epidemiological evidence: class 1 covariates for which there is strong evidence and a biologically plausible pathway, class 2 covariates with some evidence but with a less direct causal pathway, and class 3 covariates where there is general correlation evidence for a relationship as observed in previous time-series or cross-sectional studies.

The table also shows the expected direction of the relationship for each covariate. In the first step, we run regressions for all possible combinations of category 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. Counting both types of models, we assess a possible universe of 3,840 models. All models, where the signs for all covariates in that model are in the expected direction and the coefficient is significant at the p<·05 level, are retained. At levels two or three, category two and three covariates are 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 leaving 98 models for rates and 71 models for cause fractions. Since each set of covariates is run as both a simple mixed effects model and as a spatiotemporal model, this results in a total pool of 338 component models.

As noted, we have repeated the entire process for models of rates and cause fractions. There has been extensive debate in the literature on maternal mortality on the advantages and disadvantages of models of rates or cause fractions. [8] We prefer to develop models of both rates and cause fractions for maternal mortality and then let the predictive validity assessment drive the extent to which we choose rates or cause fraction models.

Mixed effects linear models and spatial temporal regression GPR

Studies on child mortality,[9] adult mortality,[10] and maternal mortality[3] along with work in many other fields has shown that there are often spatial and temporal patterns in the unexplained component of age-specific death rates. Spatial temporal regression is a powerful approach to identifying these patterns and using them to improve predictions. Rajaratnam et al use spatial temporal approaches implemented in the context of Gaussian Process Regression (GPR) to improve the performance of models and yield plausible uncertainty estimation. We use the same approach. Each of the models for maternal mortality identified in the covariate selection step are analyzed in two ways. Either as a simple mixed effects linear regression with random effects by country:

$$\ln\left(rate_{s,r,c,y,a}\right) = \beta_i X_{i_{s,r,c,y,a}} + \beta_a d + \pi_s + \pi_{s,r} + \pi_{s,r,a} + \pi_{s,r,a,c} + \varepsilon_{s,r,c,y,a}$$

$$\operatorname{logit}\left(cause\ fraction_{s,r,c,y,a}\right) = \beta_i X_{i_{s,r,c,y,a}} + \beta_a d + \pi_s + \pi_{s,r} + \pi_{s,r,a} + \pi_{s,r,a,c} + \varepsilon_{s,r,c,y,a}$$

Where:

$$\text{s = super-region index; r = region index; c = country index; y = year index; a = age index}$$
$$\text{[countries are nested within regions which are nested within super-regions]}$$
$$\beta_i \sim \text{coefficient on covariate i}$$
$$X_{i_{s,r,c,y,a}} \sim \text{covariate i for observation s, r, c, y, a}$$
$$\beta_a \sim \text{coefficient on age offsets}$$
$$d \sim \text{age dummy variables}$$
$$\pi_s \sim \text{random intercept on super-region}$$
$$\pi_{s,r} \sim \text{random intercept on region (nested within super-region)}$$
$$\pi_{s,r,a} \sim \text{random intercept on age (nested within region)}$$
$$\pi_{s,r,a,c} \sim \text{random intercept on country (nested within region-age)}$$
$$\varepsilon_{s,r,c,y,a} \sim \mathrm{N}(0,\sigma_\varepsilon \mathrm{I})$$

or as the mean function in a Gaussian Process Regression. The mean function uses the same spatial-temporal modeling strategy described in Hogan et al. [3]

Given that the literature in other fields on prediction strongly suggests that ensemble models will have better performance out-of-sample than the single best model and will also generate more accurate uncertainty intervals that capture uncertainty due to model specification, we also create a range of ensemble models. The weight of component models within the ensembles is determined by the following equation:

$$W_i = \frac{\psi^{(N-rank_i)}}{\sum_{j=1}^{N}\left(\psi^{(N-j)}\right)}$$

Where N is the number of models and rank is the rank of the model based on two tests of predictive validity discussed below. Alternative ensemble weights are possible[11] but in our testing of models for maternal mortality and other causes, the range of ensembles captured by different values of psi perform well.

Metrics and testing of predictive validity

The ability of each of these models to make accurate predictions is formally evaluated. We create 30 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 is evaluated using three metrics. First, we evaluate 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 can 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 compute where possible the log death rate in year t minus the log death rate in year t-1. We also compute the same metric for the prediction. We then count the percentage of the time that the model predicts the same trend as the test data. Finally, we also want models that generate plausible prediction intervals so we compute the percent of the data in the test set included in the 95% prediction interval. The prediction interval is based both on the uncertainty in the predicted death rate and the data variance for each observation.

Results of Predictive Validity

The best overall results in terms of RMSE and trend were yielded by the ensemble model with a Psi value of 1 ·09. This value of Psi results in draws ranging from 81 for the top performing model to 0 for the worst performer, as detailed in Web Table 5.

Web Table 6 provides detailed results on the in-sample fit and out-of-sample predictive validity of the best model. 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 the sole covariate being the natural log of the total fertility rate. 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.

Supplemental Results

In the body of the paper, we report on the MDG4 and MDG5 year of attainment estimated based the average annual rate of decline from 1990 to 2011. For each year and each country, we produce a distribution of 1000 estimates as part of the uncertainty analysis. We can use these posterior probability distributions to compute key quantities of interest including the MDG attainment year. Web Table 7 provides for each country both the uncertainty interval for the year of attainment and the probability of attainment by 5 year intervals up to 2040 for MDG 5 and Web Table 8 provides the same detail for MDG4.

Web Table 9 provides a comparison of these on track assessments across various sources that have been published since 2007. Forty different countries have been identified as on track to achieve MDG 5 across the UN 2007, UN 2010, Hogan et al 2010, and this study. Comparing the studies in 2010 and this study, Egypt and the Maldives were identified in all three studies published since 2010 as being on track. The table highlights how assessments of a trend are sensitive to relatively small changes in data and methods. The reduced number of countries on track in this assessment also reflect the impact of the ensemble modeling approach which provides a more robust assessment of trend than selecting any single model.

Web Table 10 provides a comparison of on track assessments by seven different sources for MDG 4. We only include a total of 64 developing countries that are estimated to be on track to achieve the MDG 4 goal by at least one of the seven sources to better illustrate the differences. In fact, only on 2 (Egypt and Peru) out of 64 countries do the different sources agree. In 38 out of these 64 countries, the two most recent studies by UNICEF and IHME agree on whether a country is on track or not to achieve MDG 4. This again shows the impact of different data and methods on the assessement of trends.

Web Table 11 provides a comparison of global estimates of the number of deaths and the MMR from the four studies on maternal mortality since 2007.[12] UN estimates were dramatically revised downwards from 2007 to 2010. Even for 2005, the range of estimates across the studies is considerable. Compared to the Hogan et al analysis, this study finds a very similar time trend but the estimates are 30 thousand deaths lower in most time periods. The country with the largest change is Bangladesh. In Bangladesh, maternal death numbers have been revised because of changes in UN Population Division estimates of the number of women in reproductive ages, the levels of adult female mortality have been revised based on new data, and the publication of a large maternal mortality survey in 2010. Compared with the UN 2010 estimates, our study finds a slower decline since 1990 and lower death numbers.

Web Table 12 provides a comparison of various estimates of child mortality including UNICEF 2009, UNICEF 2010, UN Population Division 2010, Rajaratnam et al 2010 and this study. The number of under-5 deaths estimated for 2008 ranges by 2 million deaths from a high of 9·6 million in the UN Population Division estimates for 2008 to 7·6 million in this study. Large changes have occurred in estimated child death numbers from one year to the next: UNICEF 2010 and UNICEF 2009 differ by half a million deaths in 2008. While our global 5q0 estimate for 2008 is very slightly higher compared to Rajaratnam et al our global under-5 death estimates are lower reflecting the UN Population Division revised birth numbers published in 2011. The differences across sources and from the same organizations overtime even at the global level reflects both the uncertainty in some key inputs such as birth estimates as well as the importance of revising estimates based on the latest available data.

Web Figure 3 shows the composition of under-five mortality by region in 1990 and 2011 by early neonatal, late neonatal, postneonatal, and childhood mortality. Of note, as under-5 mortality declines in general the fraction of deaths due to EN increases. South Asia is notable for the high EN and LN fraction of deaths even at relatively high under-5 mortality.

Web Figure 4a and 4b show the MDG4 and MDG5 attainment years respectively as global maps with inlays included for countries with colors that are not easily discerable in the main global maps provided in the primary text of this paper.

Web Figure 5 includes graphs of MMR for each country showing data from 1980 to 2011 and the estimates from the ensemble model along with the 95% uncertainty interval for each country year. Different data sources are separately labeled. Data sources that have been identified as outliers are marked as outliers on the graphs.

For each country, we provide a plot of the 5q0 estimates from all sources and our final estimate of 5q0; this can be found in Web Figure 6. In addition, we provide plots of age-specific probability of death estimates for all under-5 age groups: early neonatal, late neonatal, postneonatal, and childhood (ages 1 to 4) by sex. In addition to our best estimates, 95% uncertainty interval for all estimates is provided together with the raw data that were used in the modeling process. These graphs should facilitate different users examining the data inputs and model fits on a country by country basis.

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Tables and Figures

Web Table 1: Difference in site-years between 2010 and 2011 IHME estimates for under-5 mortality, by country and data type															
	Complete Birth History		Household Deaths		Summary Birth History****		Sample Registration System		Surveillance		Vital Registration***		Total		Site-Years
Country	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	added in 2011
Afghanistan	5	5	0	0	39	39	0	0	0	0	0	0	44	44	0
Albania	46	17	0	0	81	60	0	0	0	0	21	21	148	98	50
Algeria	36	22	1	1	41	41	0	0	0	0	6	6	84	70	14
Andorra	0	0	0	0	0	0	0	0	0	0	8	0	8	0	8
Angola	0	0	0	0	47	47	0	0	0	0	0	0	47	47	0
Antigua and Barbuda	0	0	0	0	0	0	0	0	0	0	25	23	25	23	2
Argentina	0	0	0	0	11	11	0	0	0	0	30	28	41	39	2
Armenia	29	21	0	0	66	67	0	0	0	0	28	25	123	113	10
Australia	0	0	0	0	0	0	0	0	0	0	29	28	29	28	1
Austria	0	0	0	0	0	0	0	0	0	0	30	29	30	29	1
Azerbaijan	29	26	0	0	47	45	0	0	0	0	28	25	104	96	8
Bahamas	0	0	0	0	0	0	0	0	0	0	26	25	26	25	1
Bahrain	5	2	0	0	11	10	0	0	0	0	28	23	44	35	9
Bangladesh	51	27	1	1	124	102	28	28	0	0	0	0	204	158	46
Barbados	0	0	0	0	0	0	0	0	0	0	23	20	23	20	3
Belarus**	0	0	1	1	33	42	0	0	0	0	29	28	63	71	-8
Belgium	0	0	0	0	0	0	0	0	0	0	28	28	28	28	0
Belize	20	0	0	0	63	32	0	0	0	0	28	26	111	58	53
Benin	31	27	2	2	71	70	0	0	0	0	0	0	104	99	5
Bermuda*	0	0	0	0	0	0	0	0	0	0	28	21	28	21	7
Bhutan	4	3	1	1	28	18	0	0	0	0	0	0	33	22	11
Bolivia	31	27	0	0	153	127	0	0	0	0	0	0	184	154	30
Bosnia and Herzegovina	0	0	0	0	0	0	0	0	0	0	17	17	17	17	0
Botswana	12	9	2	2	21	20	0	0	0	0	0	0	35	31	4
Brazil	16	16	0	0	226	75	0	0	0	0	30	28	272	119	153
Brunei Darussalam	0	0	0	0	0	0	0	0	0	0	25	19	25	19	6
Bulgaria	0	0	0	0	0	0	0	0	0	0	29	28	29	28	1
Burkina Faso	24	22	0	0	83	82	0	0	0	0	0	0	107	104	3
Burundi	11	6	0	0	56	55	0	0	0	0	0	0	67	61	6
Cambodia	52	30	1	0	112	68	0	0	0	0	0	0	165	98	67
Cameroon	25	24	1	1	75	74	0	0	0	0	0	0	101	99	2
Canada	0	0	0	0	0	0	0	0	0	0	27	27	27	27	0
Cape Verde	20	19	0	0	25	25	0	0	0	0	6	6	51	50	1
Central African Republic	15	14	1	1	65	39	0	0	0	0	0	0	81	54	27
Chad	25	24	0	0	68	67	0	0	0	0	0	0	93	91	2
Chile	0	0	0	0	36	36	0	0	0	0	28	28	64	64	0
China	0	0	32	20	45	45	0	0	32	29	18	18	127	112	15
Colombia	31	24	0	0	146	120	0	0	0	0	28	27	205	171	34
Comoros	16	16	0	0	37	36	0	0	0	0	0	0	53	52	1
Congo	26	24	0	0	32	24	0	0	0	0	0	0	58	48	10
Congo, the Democratic Republic of the	29	27	0	0	49	49	0	0	0	0	0	0	78	76	2
Costa Rica	13	12	0	0	45	39	0	0	0	0	30	28	88	79	9
Croatia	0	0	0	0	0	0	0	0	0	0	25	24	25	24	1
Cuba	0	0	0	0	3	3	0	0	0	0	29	29	32	32	0
Cyprus	0	0	0	0	4	4	0	0	0	0	29	26	33	30	3
Czech Republic	13	12	0	0	15	15	0	0	0	0	30	29	58	56	2
Côte d'Ivoire	46	21	1	1	60	59	0	0	0	0	0	0	107	81	26
Denmark	0	0	0	0	0	0	0	0	0	0	29	28	29	28	1

Djibouti	22	10	0	0	47	47	0	0	0	0	0	0	69	57	12
Dominica	0	0	0	0	0	0	0	0	0	0	30	22	30	22	8
Dominican Republic	54	52	0	0	107	106	0	0	0	0	26	25	187	183	4
Ecuador	32	27	0	0	141	138	0	0	0	0	30	28	203	193	10
Egypt	39	26	1	1	147	146	0	0	0	0	27	20	214	193	21
El Salvador	35	25	0	0	113	79	0	0	0	0	29	27	177	131	46
Equatorial Guinea	0	0	0	0	21	21	0	0	0	0	0	0	21	21	0
Eritrea	22	22	2	2	38	38	0	0	0	0	0	0	62	62	0
Estonia	0	0	0	0	3	3	0	0	0	0	30	29	33	32	1
Ethiopia	27	25	0	0	64	56	0	0	0	0	0	0	91	81	10
Fiji	0	0	0	0	3	3	0	0	0	0	17	17	20	20	0
Finland	0	0	0	0	0	0	0	0	0	0	30	29	30	29	1
France	0	0	0	0	0	0	0	0	0	0	29	28	29	28	1
Gabon	21	20	0	0	21	20	0	0	0	0	0	0	42	40	2
Gambia	2	2	0	0	57	58	0	0	0	0	0	0	59	60	-1
Georgia	25	24	0	0	69	68	0	0	0	0	28	25	122	117	5
Germany	0	0	0	0	0	0	0	0	0	0	28	28	28	28	0
Ghana	60	30	0	0	203	177	0	0	0	0	0	1	263	208	55
Greece**	0	0	0	0	4	8	0	0	0	0	30	29	34	37	-3
Grenada	0	0	0	0	0	0	0	0	0	0	22	18	22	18	4
Guatemala	48	40	0	0	111	84	0	0	0	0	28	26	187	150	37
Guinea	25	24	1	0	61	60	0	0	0	0	0	0	87	84	3
Guinea-Bissau	0	0	0	0	46	45	0	0	0	0	0	0	46	45	1
Guyana	24	0	0	0	71	46	0	0	0	0	19	19	114	65	49
Haiti	31	27	0	0	64	63	0	0	0	0	7	9	102	99	3
Honduras	50	48	0	0	82	81	0	0	0	0	6	8	138	137	1
Hong Kong Special Administrative Region of China*	0	0	0	0	0	0	0	0	0	0	30	28	30	28	2
Hungary	0	0	0	0	0	0	0	0	0	0	30	28	30	28	2
Iceland	0	0	0	0	0	0	0	0	0	0	30	29	30	29	1
India	27	26	8	8	136	128	26	18	0	0	0	0	197	180	17
Indonesia	28	26	2	2	501	459	0	0	0	0	0	0	531	487	44
Iran, Islamic Republic of	23	22	0	0	65	65	0	0	0	0	20	20	108	107	1
Iraq	51	29	3	3	77	74	0	0	0	0	3	3	134	109	25
Ireland	0	0	0	0	0	0	0	0	0	0	30	29	30	29	1
Israel	0	0	0	0	0	0	0	0	0	0	29	28	29	28	1
Italy	0	0	0	0	0	0	0	0	0	0	28	28	28	28	0
Jamaica	3	0	0	0	68	46	0	0	0	0	15	14	86	60	26
Japan	0	0	0	0	0	0	0	0	0	0	30	29	30	29	1
Jordan	32	28	1	1	115	89	0	0	0	0	5	4	153	122	31
Kazakhstan	20	18	0	0	71	70	0	0	0	0	26	25	117	113	4
Kenya	29	23	0	0	137	111	0	0	0	0	1	1	167	135	32
Kiribati**	0	0	0	0	7	15	0	0	0	0	11	11	18	26	-8
Korea, Democratic People's Republic of	0	0	2	1	0	0	0	0	0	0	0	0	2	1	1
Korea, Republic of	0	0	0	0	7	7	0	0	0	0	30	27	37	34	3
Kuwait	3	0	0	0	0	0	0	0	0	0	29	25	32	25	7
Kyrgyzstan	18	16	0	0	75	74	0	0	0	0	29	25	122	115	7
Lao People's Democratic Republic	4	4	0	0	10	10	0	0	0	0	0	0	14	14	0
Latvia	0	0	0	0	3	3	0	0	0	0	30	28	33	31	2
Lebanon	41	26	1	1	47	47	0	0	0	0	0	0	89	74	15
Lesotho	30	24	0	0	86	60	0	0	0	0	0	0	116	84	32
Liberia	53	31	0	0	56	55	0	0	0	0	0	0	109	86	23

Libyan Arab Jamahiriya	16	14	1	1	15	15	0	0	0	0	4	4	36	34	2
Lithuania	0	0	0	0	0	0	0	0	0	0	30	29	30	29	1
Luxembourg	0	0	0	0	0	0	0	0	0	0	29	28	29	28	1
Macao Special Administrative Region of China*	0	0	0	0	4	4	0	0	0	0	27	19	31	23	8
Macedonia, the Former Yugoslav Republic of	0	0	0	0	21	20	0	0	0	0	21	19	42	39	3
Madagascar	29	26	1	1	101	75	0	0	0	0	0	12	131	114	17
Malawi	34	21	4	2	137	96	0	0	0	0	0	0	175	119	56
Malaysia	0	0	0	0	0	0	0	0	0	0	20	15	20	15	5
Maldives	30	0	0	0	44	19	0	0	0	0	33	23	107	42	65
Mali	27	26	2	1	94	68	0	0	0	0	0	0	123	95	28
Malta	0	0	0	0	0	0	0	0	0	0	29	28	29	28	1
Marshall Islands	3	3	0	0	7	7	0	0	0	0	14	10	24	20	4
Mauritania	40	36	1	1	64	63	0	0	0	0	0	0	105	100	5
Mauritius	0	0	0	0	0	0	0	0	0	0	30	29	30	29	1
Mexico	10	8	0	0	92	66	0	0	0	0	30	29	132	103	29
Micronesia, Federated States of	0	0	0	0	5	5	0	0	0	0	1	1	6	6	0
Moldova	26	0	0	0	43	41	0	0	0	0	27	26	96	67	29
Mongolia	4	4	0	0	72	73	0	0	0	0	27	20	103	97	6
Montenegro	0	0	0	0	0	0	0	0	0	0	16	8	16	8	8
Morocco	82	50	1	1	115	109	0	0	0	0	12	11	210	171	39
Mozambique	27	27	1	1	97	46	0	0	0	0	0	0	125	74	51
Myanmar	6	6	0	0	24	4	0	0	0	0	0	0	30	10	20
Namibia	27	26	1	1	63	62	0	0	0	0	0	0	91	89	2
Nepal	28	26	1	1	95	73	0	0	0	0	0	0	124	100	24
Netherlands	0	0	0	0	0	0	0	0	0	0	30	29	30	29	1
New Zealand	0	0	0	0	0	0	0	0	0	0	29	28	29	28	1
Nicaragua	49	46	2	2	142	140	0	0	0	0	21	19	214	207	7
Niger	26	26	0	0	75	74	0	0	0	0	0	0	101	100	1
Nigeria	29	28	0	0	84	77	0	0	0	0	0	0	113	105	8
Norway	0	0	0	0	0	0	0	0	0	0	30	28	30	28	2
Occupied Palestinian Territory**	8	12	0	0	13	14	0	0	0	0	6	6	27	32	-5
Oman	5	0	0	0	8	8	0	0	0	0	8	8	21	16	5
Pakistan	39	38	0	0	63	62	15	15	0	0	0	0	117	115	2
Panama	0	0	1	0	70	70	0	0	0	0	28	27	99	97	2
Papua New Guinea	8	3	0	0	12	12	0	0	0	0	0	1	20	16	4
Paraguay	36	34	1	1	107	79	0	0	0	0	26	25	170	139	31
Peru	29	24	0	0	157	94	0	0	0	0	27	26	213	144	69
Philippines	43	23	0	0	90	64	0	0	0	0	25	26	158	113	45
Poland	0	0	0	0	0	0	0	0	0	0	29	28	29	28	1
Portugal	0	0	0	0	0	0	0	0	0	0	30	28	30	28	2
Puerto Rico*	17	0	0	0	16	15	0	0	0	0	26	26	59	41	18
Qatar	7	2	0	0	2	0	0	0	0	0	26	20	35	22	13
Romania	19	0	0	0	4	0	0	0	0	0	30	29	53	29	24
Russian Federation	0	0	0	0	3	3	0	0	0	0	29	28	32	31	1
Rwanda	28	24	2	1	128	98	0	0	0	0	0	0	158	123	35
Saint Lucia	0	0	0	0	0	0	0	0	0	0	26	25	26	25	1
Saint Vincent and the Grenadines	0	0	0	0	0	0	0	0	0	0	24	21	24	21	3
Samoa	1	1	1	1	0	0	0	0	0	0	1	1	3	3	0
Sao Tome and Principe	24	0	0	0	57	32	0	0	0	0	3	3	84	35	49
Saudi Arabia	3	0	1	1	13	6	0	0	0	0	0	0	17	7	10
Senegal	54	24	1	0	133	110	0	0	0	0	0	0	188	134	54

Serbia	0	0	0	0	23	24	0	0	0	0	16	11	39	35	4
Seychelles	0	0	0	0	0	0	0	0	0	0	27	19	27	19	8
Sierra Leone	28	28	1	0	96	72	0	0	0	0	0	0	125	100	25
Singapore	0	0	0	0	0	0	0	0	0	0	29	28	29	28	1
Slovakia	0	0	0	0	0	0	0	0	0	0	30	28	30	28	2
Slovenia	0	0	0	0	0	0	0	0	0	0	28	26	28	26	2
Solomon Islands	4	4	0	0	7	7	0	0	0	0	0	0	11	11	0
Somalia	24	0	0	0	32	25	0	0	0	0	0	0	56	25	31
South Africa	23	23	2	0	94	93	0	0	0	0	19	14	138	130	8
Spain	0	0	0	0	0	0	0	0	0	0	28	28	28	28	0
Sri Lanka	15	10	0	0	14	6	0	0	0	0	20	26	49	42	7
Sudan	26	25	2	1	54	28	0	0	0	0	0	0	82	54	28
Suriname	0	0	0	0	45	20	0	0	0	0	27	26	72	46	26
Swaziland	27	26	1	1	48	47	0	0	0	0	0	0	76	74	2
Sweden	0	0	0	0	0	0	0	0	0	0	29	28	29	28	1
Switzerland	0	0	0	0	0	0	0	0	0	0	29	28	29	28	1
Syrian Arab Republic	35	20	1	1	71	70	0	0	0	0	8	5	115	96	19
Taiwan	0	0	0	0	0	0	0	0	0	0	29	29	29	29	0
Tajikistan	2	2	0	0	124	124	0	0	0	0	24	24	150	150	0
Tanzania, United Republic of	58	24	2	1	191	89	0	0	0	0	0	0	251	114	137
Thailand	8	7	0	0	66	45	0	0	0	0	28	27	102	79	23
Timor-Leste	53	45	0	0	101	76	0	0	0	0	0	0	154	121	33
Togo	19	18	0	0	52	51	0	0	0	0	0	0	71	69	2
Tonga	0	0	1	1	3	3	0	0	0	0	6	3	10	7	3
Trinidad and Tobago	8	6	0	0	53	52	0	0	0	0	27	26	88	84	4
Tunisia	46	30	1	1	49	48	0	0	0	0	8	8	104	87	17
Turkey	26	26	0	0	76	74	0	0	0	0	25	23	127	123	4
Turkmenistan	4	0	0	0	6	6	0	0	0	0	24	24	34	30	4
Uganda	51	26	1	0	133	107	0	0	0	0	0	0	185	133	52
Ukraine	49	26	0	0	53	51	0	0	0	0	30	28	132	105	27
United Arab Emirates	3	0	0	0	3	3	0	0	0	0	1	1	7	4	3
United Kingdom	0	0	0	0	0	0	0	0	0	0	30	28	30	28	2
United States	0	0	0	0	0	0	0	0	0	0	28	27	28	27	1
Uruguay	0	0	0	0	7	7	0	0	0	0	25	25	32	32	0
Uzbekistan	41	16	0	0	86	85	0	0	0	0	24	24	151	125	26
Vanuatu	1	1	2	2	27	6	0	0	0	0	0	0	30	9	21
Venezuela	0	0	0	0	31	31	0	0	0	0	27	25	58	56	2
Viet Nam	24	23	3	1	184	126	0	0	0	0	0	0	211	150	61
Yemen	65	22	1	1	65	64	0	0	0	0	0	0	131	87	44
Zambia	28	26	0	0	87	86	0	0	0	0	0	0	115	112	3
Zimbabwe	31	29	1	1	100	99	0	0	0	0	4	4	136	133	3
Total	3053	2173	106	77	9203	7735	69	61	32	29	3031	2824	15494	12899	2595

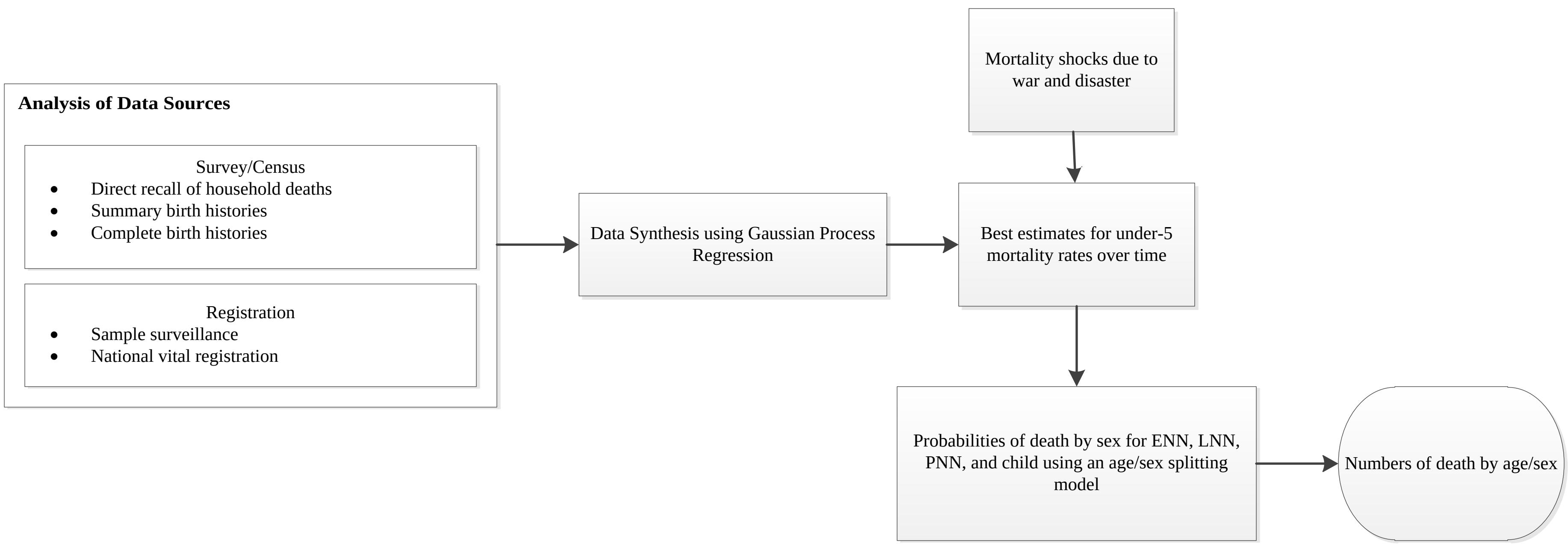
* Analytical countries that inform modeling but are not included in our final reporting list

** The reduced number of site-years in these countries is based on an analytical change in our summary birth history methods. For sources where the maternal cohort based approach is the only method available we no longer create a time-series based on a loess regression of the estimates, instead we use only the estimates directly calculated from the maternal cohorts.

*** some site-years of vital registration have been excluded from the 2011 analysis based on unknown age and sex distributions of deaths or other factors including questionable data quality

**** we have updated the survey dates for summary birth history questionnaires to most accurately reflect the date of the survey, this has shifted the estimated under-5 mortality rates slightly in time, in some cases removing the site-year from our window of analysis for this paper 1980-2011

Web Figure 1. Analytical steps for child mortality estimation



Web Table 2: Predictive validity assessments for under-5 mortality									
		In Sample		Random Data Withheld		Countries withheld		Last 10 year withheld	
Age	Sex	Mean Absolute RE	Median Absolute RE	Mean Absolute RE	Median Absolute RE	Mean Absolute RE	Median Absolute RE	Mean Absolute RE	Median Absolute RE
Early Neonatal	both	9.3%	7.5%	9.3%	7.4%	19.3%	14.2%	12.8%	11.2%
	female	10.6%	8.2%	11.0%	8.7%	20.4%	14.5%	14.8%	12.3%
	male	10.2%	7.9%	10.5%	8.4%	19.6%	14.5%	13.4%	12.4%
Late Neonatal	both	12.0%	8.9%	11.5%	8.6%	19.0%	15.4%	14.9%	11.5%
	female	14.2%	10.7%	14.7%	10.8%	20.5%	16.2%	16.8%	13.3%
	male	14.0%	10.3%	13.9%	9.9%	20.9%	16.3%	17.8%	13.2%
Post-Neonatal	both	11.8%	8.7%	13.1%	9.8%	21.7%	15.8%	19.0%	14.8%
	female	12.8%	9.5%	14.4%	10.6%	22.3%	15.6%	19.4%	15.9%
	male	13.2%	9.7%	15.2%	11.3%	23.1%	15.7%	21.3%	16.2%
Childhood	both	11.9%	9.0%	12.3%	9.4%	20.8%	15.5%	17.2%	13.4%
	female	13.5%	10.0%	14.1%	10.6%	22.2%	16.6%	19.2%	14.3%
	male	12.8%	9.6%	13.0%	10.2%	21.5%	16.0%	17.9%	13.7%
Under-5	female	3.7%	2.6%	3.6%	2.5%	4.1%	3.0%	4.8%	3.5%
	male	3.2%	2.1%	3.0%	2.0%	3.5%	2.3%	3.8%	2.6%

Web Table 3: Difference in site-years between 2010 and 2011 IHME estimates for maternal mortality, by country and data type

	Vital Registration		Verbal Autopsy		Survey/Census		Surveillance		Sibling History		Other		Total		Site-Years added
Country	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	in 2011
Afghanistan	0	0	5	5	0	0	0	0	0	0	0	0	5	5	0
Albania	16	16	0	0	0	0	0	0	0	0	0	0	16	16	0
Algeria	2	2	0	0	0	0	1	0	0	0	0	0	3	2	1
Andorra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Angola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Antigua and Barbuda	25	0	0	0	0	0	0	0	0	0	0	0	25	0	25
Argentina	30	28	1	1	0	0	0	0	0	0	0	0	31	29	2
Armenia	23	22	0	0	0	0	0	0	0	0	0	0	23	22	1
Australia	27	27	0	0	0	0	0	0	0	0	0	0	27	27	0
Austria	30	28	0	0	0	0	0	0	0	0	0	0	30	28	2
Azerbaijan	23	23	0	0	0	0	0	0	0	0	0	0	23	23	0
Bahamas	18	16	0	0	0	0	0	0	0	0	0	0	18	16	2
Bahrain	14	8	0	0	0	0	0	0	0	0	0	0	14	8	6
Bangladesh	0	0	34	32	2	2	0	0	15	15	0	0	51	49	2
Barbados	22	20	0	0	0	0	0	0	0	0	0	0	22	20	2
Belarus	21	20	0	0	0	0	0	0	0	0	0	0	21	20	1
Belgium	22	20	0	0	0	0	0	0	0	0	0	0	22	20	2
Belize	26	23	0	0	0	0	0	0	0	0	0	0	26	23	3
Benin	0	0	0	0	0	0	0	0	30	25	0	0	30	25	5
Bermuda*	26	0	0	0	0	0	0	0	0	0	0	0	26	0	26
Bhutan	0	0	0	0	4	0	0	0	0	0	11	0	15	0	15
Bolivia	0	0	0	0	2	2	0	0	44	24	0	0	46	26	20
Bosnia and Herzegovina	7	7	0	0	0	0	0	0	0	0	0	0	7	7	0
Botswana	0	0	0	0	1	0	0	0	0	0	5	0	6	0	6
Brazil	30	28	0	0	0	0	0	0	15	15	0	0	45	43	2
Brunei Darussalam	8	5	0	0	0	0	0	0	0	0	0	0	8	5	3
Bulgaria	29	26	0	0	0	0	0	0	0	0	0	0	29	26	3
Burkina Faso	0	0	5	5	1	0	0	0	30	15	6	0	42	20	22
Burundi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cambodia	0	0	0	0	1	0	0	0	30	20	0	0	31	20	11
Cameroon	0	0	0	0	0	0	0	0	30	20	0	0	30	20	10
Canada	25	25	0	0	0	0	0	0	0	0	0	0	25	25	0
Cape Verde	1	1	1	1	0	0	0	0	0	0	0	0	2	2	0
Central African Republic	0	0	0	0	0	0	0	0	15	15	0	0	15	15	0
Chad	0	0	0	0	0	0	0	0	30	20	0	0	30	20	10
Chile	28	28	0	0	0	0	0	0	0	0	0	0	28	28	0
China	25	25	1	0	0	0	30	6	0	0	0	0	56	31	25
Colombia	29	27	0	0	0	0	0	0	0	0	0	0	29	27	2
Comoros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Congo	0	0	0	0	0	0	0	0	15	15	0	0	15	15	0
Congo, the Democratic Republic of the	0	0	2	2	0	0	0	0	15	15	0	0	17	17	0
Costa Rica	30	28	0	0	0	0	0	0	0	0	0	0	30	28	2
Cote d'Ivoire	0	0	1	1	0	0	0	0	30	25	0	0	31	26	5
Croatia	25	23	0	0	0	0	0	0	0	0	0	0	25	23	2
Cuba	29	28	0	0	0	0	0	0	0	0	0	0	29	28	1
Cyprus	7	6	0	0	0	0	0	0	0	0	0	0	7	6	1
Czech Republic	24	23	0	0	0	0	0	0	0	0	0	0	24	23	1
Denmark	27	27	0	0	0	0	0	0	0	0	0	0	27	27	0
Djibouti	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Dominica	30	0	0	0	0	0	0	0	0	0	0	0	30	0	30
Dominican Republic	28	24	0	0	0	0	11	0	30	20	0	0	69	44	25
Ecuador	30	28	0	0	0	0	0	0	24	24	0	0	54	52	2
Egypt	12	10	6	5	0	0	2	0	0	0	0	0	20	15	5
El Salvador	22	20	0	0	0	0	5	0	30	23	0	0	57	43	14
Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eritrea	0	0	0	0	0	0	0	0	15	15	0	0	15	15	0
Estonia	27	26	0	0	0	0	0	0	0	0	0	0	27	26	1
Ethiopia	0	0	6	6	1	0	0	0	30	20	6	0	43	26	17
Fiji	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0
Finland	30	29	0	0	0	0	0	0	0	0	0	0	30	29	1
France	29	28	0	0	0	0	0	0	0	0	0	0	29	28	1
Gabon	0	0	0	0	0	0	0	0	15	15	0	0	15	15	0
Gambia	0	0	3	2	0	0	0	0	0	0	0	0	3	2	1
Georgia	22	21	0	0	0	0	0	0	0	0	0	0	22	21	1

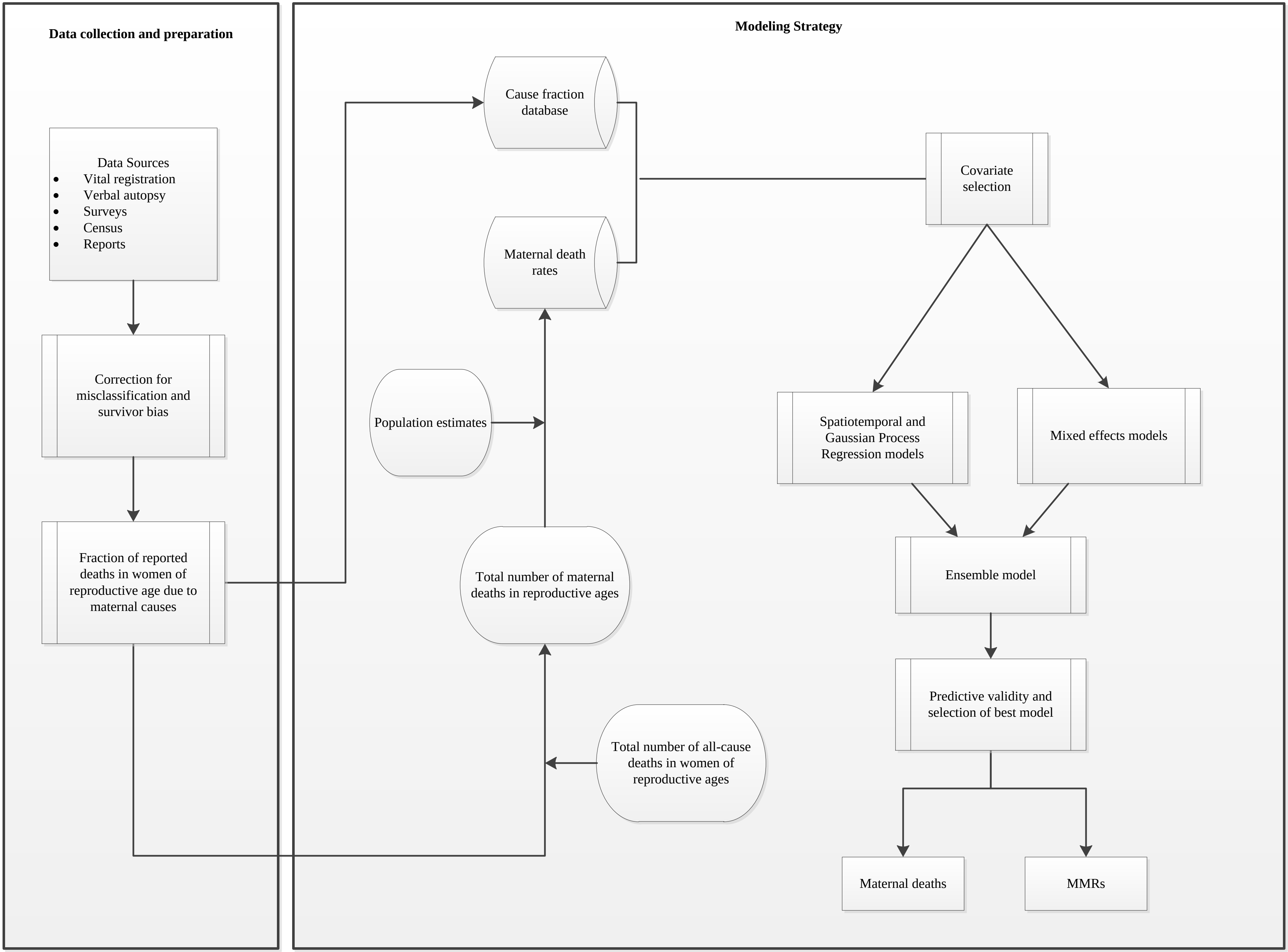
Germany	27	27	0	0	0	0	0	0	0	0	0	0	27	27	0
Ghana	1	0	7	6	0	0	0	0	15	15	0	0	23	21	2
Greece	30	28	0	0	0	0	0	0	0	0	0	0	30	28	2
Grenada	19	16	0	0	0	0	0	0	0	0	0	0	19	16	3
Guatemala	26	24	0	0	0	0	0	0	15	15	0	0	41	39	2
Guinea	0	0	0	0	0	0	0	0	30	20	0	0	30	20	10
Guinea-Bissau	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0
Guyana	19	19	0	0	0	0	0	0	0	0	0	0	19	19	0
Haiti	9	9	0	0	0	0	0	0	30	20	0	0	39	29	10
Honduras	8	8	1	0	2	2	0	0	15	15	0	0	26	25	1
Hong Kong Special Administrative Region of China*	30	28	0	0	0	0	0	0	0	0	0	0	30	28	2
Hungary	30	26	0	0	0	0	0	0	0	0	0	0	30	26	4
Iceland	30	29	0	0	0	0	0	0	0	0	0	0	30	29	1
India	13	0	39	32	14	14	0	0	0	0	0	0	66	46	20
Indonesia	0	0	9	1	8	0	0	0	60	25	0	0	77	26	51
Iran, Islamic Republic of	18	18	1	0	0	0	0	0	0	0	0	0	19	18	1
Iraq	0	0	2	2	0	0	0	0	0	0	0	0	2	2	0
Ireland	30	28	0	0	0	0	0	0	0	0	0	0	30	28	2
Israel	29	28	0	0	0	0	0	0	0	0	0	0	29	28	1
Italy	26	26	0	0	0	0	0	0	0	0	0	0	26	26	0
Jamaica	12	12	0	0	0	0	9	0	0	0	0	0	21	12	9
Japan	30	28	0	0	0	0	0	0	0	0	0	0	30	28	2
Jordan	4	3	2	2	0	0	0	0	15	15	0	0	21	20	1
Kazakhstan	26	25	0	0	0	0	0	0	0	0	0	0	26	25	1
Kenya	0	0	4	4	0	0	0	0	45	20	0	0	49	24	25
Kiribati	11	0	0	0	0	0	0	0	0	0	0	0	11	0	11
Korea, Democratic People's Republic of	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
Korea, Republic of	23	22	0	0	0	0	0	0	0	0	0	0	23	22	1
Kuwait	25	18	0	0	0	0	0	0	0	0	0	0	25	18	7
Kyrgyzstan	27	24	0	0	0	0	0	0	0	0	0	0	27	24	3
Lao People's Democratic Republic	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0
Latvia	30	28	0	0	0	0	0	0	0	0	0	0	30	28	2
Lebanon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesotho	0	0	0	0	2	2	0	0	15	15	0	0	17	17	0
Liberia	0	0	1	1	0	0	0	0	15	15	0	0	16	16	0
Libyan Arab Jamahiriya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lithuania	27	26	0	0	0	0	0	0	0	0	0	0	27	26	1
Luxembourg	29	27	0	0	0	0	0	0	0	0	0	0	29	27	2
Macao Special Administrative Region of China*	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0
Macedonia, the Former Yugoslav Republic of	13	13	0	0	0	0	0	0	0	0	0	0	13	13	0
Madagascar	12	0	0	0	0	0	0	0	63	24	0	0	75	24	51
Malawi	0	0	1	1	0	0	0	0	50	25	0	0	51	26	25
Malaysia	9	8	0	0	0	0	0	0	0	0	0	0	9	8	1
Maldives	6	6	0	0	0	0	0	0	0	0	0	0	6	6	0
Mali	6	0	2	1	0	0	0	0	45	25	0	0	53	26	27
Malta	29	28	0	0	0	0	0	0	0	0	0	0	29	28	1
Marshall Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mauritania	0	0	1	1	0	0	0	0	15	15	0	0	16	16	0
Mauritius	30	28	0	0	0	0	0	0	0	0	0	0	30	28	2
Mexico	30	29	0	0	0	0	0	0	0	0	0	0	30	29	1
Micronesia, Federated States of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moldova	27	25	0	0	0	0	0	0	0	0	0	0	27	25	2
Mongolia	16	1	0	0	0	0	0	0	0	0	0	0	16	1	15
Montenegro	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Morocco	3	3	0	0	0	0	5	0	29	24	0	0	37	27	10
Mozambique	0	0	10	2	1	0	0	0	30	20	0	0	41	22	19
Myanmar	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0
Namibia	0	0	0	0	0	0	0	0	50	25	0	0	50	25	25
Nepal	0	0	1	1	0	0	0	0	30	25	0	0	31	26	5
Netherlands	30	29	0	0	0	0	0	0	0	0	0	0	30	29	1
New Zealand	28	27	0	0	0	0	0	0	0	0	0	0	28	27	1
Nicaragua	18	17	0	0	2	2	0	0	12	12	0	0	32	31	1
Niger	0	0	1	1	0	0	0	0	30	25	0	0	31	26	5
Nigeria	1	0	0	0	0	0	0	0	30	20	0	0	31	20	11
Norway	30	28	0	0	0	0	0	0	0	0	0	0	30	28	2
Occupied Palestinian Territory	0	0	21	21	0	0	0	0	0	0	0	0	21	21	0
Oman	4	3	0	0	0	0	0	0	0	0	0	0	4	3	1

Pakistan	2	2	3	3	2	0	0	0	0	0	0	0	7	5	2
Panama	22	20	0	0	0	0	0	0	0	0	0	0	22	20	2
Papua New Guinea	1	1	2	1	0	0	0	0	0	0	0	0	3	2	1
Paraguay	26	23	0	0	2	2	0	0	15	15	0	0	43	40	3
Peru	25	24	0	0	0	0	0	0	83	24	0	0	108	48	60
Philippines	26	13	0	0	0	0	0	0	29	19	11	0	66	32	34
Poland	27	25	0	0	0	0	0	0	0	0	0	0	27	25	2
Portugal	29	26	0	0	0	0	0	0	0	0	0	0	29	26	3
Puerto Rico*	25	25	0	0	0	0	0	0	0	0	0	0	25	25	0
Qatar	7	1	0	0	0	0	0	0	0	0	0	0	7	1	6
Romania	30	28	0	0	0	0	0	0	0	0	0	0	30	28	2
Russian Federation	27	27	0	0	0	0	0	0	0	0	0	0	27	27	0
Rwanda	0	0	0	0	0	0	0	0	38	19	0	0	38	19	19
Saint Lucia	23	20	0	0	0	0	0	0	0	0	0	0	23	20	3
Saint Vincent and the Grenadines	21	18	0	0	0	0	0	0	0	0	0	0	21	18	3
Samoa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sao Tome and Principe	3	3	0	0	0	0	0	0	15	0	0	0	18	3	15
Saudi Arabia	0	0	0	0	0	0	0	0	0	0	4	0	4	0	4
Senegal	0	0	6	6	0	0	0	0	30	25	0	0	36	31	5
Serbia	12	11	0	0	0	0	0	0	0	0	0	0	12	11	1
Seychelles	14	0	0	0	0	0	0	0	0	0	0	0	14	0	14
Sierra Leone	0	0	0	0	1	0	0	0	15	15	0	0	16	15	1
Singapore	27	27	0	0	0	0	0	0	0	0	0	0	27	27	0
Slovakia	16	14	0	0	0	0	0	0	0	0	0	0	16	14	2
Slovenia	25	23	0	0	0	0	0	0	0	0	0	0	25	23	2
Solomon Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Somalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Africa**	96	14	2	2	2	2	0	0	15	15	0	0	115	33	82
Spain	29	26	0	0	0	0	0	0	0	0	0	0	29	26	3
Sri Lanka	26	26	0	0	0	0	14	0	0	0	0	0	40	26	14
Sudan	0	0	1	0	0	0	0	0	10	10	6	0	17	10	7
Suriname	24	23	0	0	0	0	0	0	0	0	0	0	24	23	1
Swaziland	0	0	0	0	0	0	0	0	15	15	0	0	15	15	0
Sweden	29	28	0	0	0	0	0	0	0	0	0	0	29	28	1
Switzerland	28	27	0	0	0	0	0	0	0	0	0	0	28	27	1
Syrian Arab Republic	7	7	2	0	0	0	0	0	0	0	0	0	9	7	2
Taiwan	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0
Tajikistan	23	23	0	0	0	0	0	0	0	0	0	0	23	23	0
Tanzania, United Republic of	0	0	24	24	0	0	0	0	45	20	0	0	69	44	25
Thailand	26	24	6	0	0	0	0	0	0	0	0	0	32	24	8
Timor-Leste	0	0	0	0	0	0	0	0	15	0	0	0	15	0	15
Togo	0	0	0	0	0	0	0	0	15	15	0	0	15	15	0
Tonga	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Trinidad and Tobago	27	25	0	0	0	0	0	0	0	0	0	0	27	25	2
Tunisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turkey	24	21	2	2	0	0	0	0	0	0	0	0	26	23	3
Turkmenistan	16	16	0	0	0	0	0	0	0	0	0	0	16	16	0
Uganda	0	0	0	0	0	0	0	0	47	25	1	0	48	25	23
Ukraine	26	23	0	0	0	0	0	0	0	0	0	0	26	23	3
United Arab Emirates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
United Kingdom	30	28	0	0	0	0	0	0	0	0	0	0	30	28	2
United States	28	27	0	0	0	0	0	0	0	0	0	0	28	27	1
Uruguay	22	21	0	0	0	0	0	0	0	0	0	0	22	21	1
Uzbekistan	23	23	0	0	0	0	0	0	0	0	0	0	23	23	0
Vanuatu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Venezuela	25	23	0	0	0	0	0	0	0	0	0	0	25	23	2
Viet Nam	0	0	4	3	0	0	0	0	0	0	0	0	4	3	1
Yemen	0	0	1	0	1	1	0	0	0	0	0	0	2	1	1
Zambia	0	0	0	0	0	0	0	0	50	25	2	0	52	25	27
Zimbabwe	2	1	2	2	4	4	0	0	50	25	0	0	58	32	26
Total	2665	2258	227	182	54	33	77	6	1569	1023	52	0	4644	3502	1142

* Analytical countries that inform modeling but are not included in our final reporting list

** South Africa contains new provincial data in additional to national-level data

Web Figure 2. Maternal mortality estimation process



Web Table 4: Candidate covariates, their level, and assumed direction for modeling maternal mortality

Covariate	Direction	Level
Age-Specific Fertility Rate	positive	1
In-Facility Delivery (proportion)	negative	1
Log Total Fertility Rate	positive	1
Skilled Birth Attendance (proportion)	negative	1
Antenatal Care (4 visits) Coverage (proportion)	negative	2
Female Education by Age	negative	2
HIV Prevalence, ARV-Adjusted	-	2
Health System Access	negative	2
Log Neonatal Death Rate (per 1000)	positive	2
Malnutrition (proportion <2SD weight for age)	negative	2
Log LDI (I$ per capita)	negative	3

Web Table 5: Out-of-sample performance for each covariate model for maternal mortality

Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
				In-Sample	Test 1	In-Sample	Test 1	
1	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Log Total Fertility Rate Log LDI (I$ per capita)	0·369	0·620	0·737	0·664	139
2	Spatiotemporal	Logit(CF)	In-Facility Delivery (prop) Log Total Fertility Rate	0·368	0·619	0·737	0·662	119
3	Spatiotemporal	Logit(CF)	In-Facility Delivery (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·368	0·621	0·737	0·664	102
4	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·368	0·619	0·738	0·662	87
4	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·368	0·621	0·738	0·664	87
6	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·368	0·619	0·737	0·661	64
6	Spatiotemporal	Logit(CF)	In-Facility Delivery (prop) Log Total Fertility Rate Health System Access Log LDI (I$ per capita)	0·368	0·621	0·737	0·664	64
8	Spatiotemporal	Logit(CF)	Log Total Fertility Rate Log LDI (I$ per capita)	0·369	0·623	0·737	0·666	46
9	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate Health System Access Log LDI (I$ per capita)	0·368	0·619	0·737	0·661	40
9	Spatiotemporal	Logit(CF)	In-Facility Delivery (prop) Log Total Fertility Rate Health System Access	0·368	0·620	0·737	0·661	40
11	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate	0·368	0·618	0·737	0·660	29
12	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate Health System Access	0·368	0·618	0·738	0·660	25
12	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate Female Education by Age Health System Access Log LDI (I$ per capita)	0·368	0·619	0·736	0·660	25
12	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop) Log Total Fertility Rate	0·369	0·620	0·737	0·661	25
15	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate	0·368	0·618	0·738	0·660	15
16	Spatiotemporal	Logit(CF)	Log Total Fertility Rate	0·369	0·623	0·736	0·662	13
17	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Log Total Fertility Rate	0·369	0·621	0·737	0·660	11

17	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate Female Education by Age Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·368	0·617	0·735	0·658	11
19	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate Female Education by Age Health System Access	0·368	0·617	0·736	0·657	8
20	Spatiotemporal	Logit(CF)	Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Log LDI (I$ per capita)	0·369	0·624	0·737	0·661	7
21	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate Female Education by Age Log Neonatal Death Rate (per 1000)	0·368	0·616	0·735	0·655	6
22	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·368	0·620	0·737	0·656	5
23	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·369	0·623	0·737	0·658	4
24	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Log LDI (I$ per capita)	0·369	0·623	0·737	0·658	4
25	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age	0·368	0·618	0·737	0·654	3
26	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log LDI (I$ per capita)	0·368	0·631	0·738	0·660	3
26	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·368	0·621	0·737	0·657	3
28	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access	0·368	0·620	0·737	0·655	2
29	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log LDI (I$ per capita)	0·368	0·630	0·738	0·660	2

30	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·368	0·619	0·735	0·652	1
30	Spatiotemporal	Logit(CF)	Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted	0·369	0·626	0·736	0·658	1
32	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access	0·369	0·622	0·737	0·656	1
33	Spatiotemporal	Logit(CF)	In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·368	0·621	0·735	0·655	1
34	Spatiotemporal	Logit(CF)	In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·368	0·619	0·735	0·652	1
35	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·368	0·617	0·734	0·650	1
35	Spatiotemporal	Logit(CF)	In-Facility Delivery (prop) Log LDI (I$ per capita)	0·368	0·649	0·738	0·663	1
37	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted	0·369	0·623	0·736	0·656	0
38	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·368	0·618	0·734	0·649	0
39	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·368	0·620	0·734	0·652	0
40	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·368	0·620	0·735	0·651	0
41	Spatiotemporal	Logit(CF)	Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·368	0·622	0·734	0·654	0
42	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Log LDI (I$ per capita)	0·368	0·638	0·738	0·659	0

43	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop) Log LDI (I$ per capita)	0·368	0·650	0·740	0·662	0
44	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·486	0·657	0·662	0·663	0
45	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop)	0·368	0·630	0·737	0·656	0
46	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000)	0·368	0·620	0·733	0·648	0
46	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log LDI (I$ per capita)	0·368	0·643	0·738	0·659	0
48	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate Health System Access Log LDI (I$ per capita)	0·486	0·658	0·662	0·663	0
49	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Log Total Fertility Rate Log LDI (I$ per capita)	0·486	0·658	0·663	0·663	0
50	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·486	0·657	0·662	0·662	0
51	Spatiotemporal	Logit(CF)	Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000)	0·368	0·622	0·733	0·651	0
52	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop)	0·368	0·632	0·738	0·655	0
52	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log LDI (I$ per capita)	0·368	0·629	0·738	0·654	0
52	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate Female Education by Age Health System Access Log LDI (I$ per capita)	0·486	0·658	0·661	0·662	0
52	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate Female Education by Age Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·486	0·657	0·662	0·662	0
52	Mixed Effects	Logit(CF)	In-Facility Delivery (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·488	0·661	0·666	0·666	0

57	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·368	0·631	0·737	0·655	0
58	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop) Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·368	0·640	0·734	0·657	0
59	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate	0·486	0·658	0·661	0·662	0
59	Mixed Effects	Logit(CF)	In-Facility Delivery (prop) Log Total Fertility Rate Health System Access Log LDI (I$ per capita)	0·488	0·661	0·667	0·666	0
59	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·488	0·661	0·666	0·666	0
62	Spatiotemporal	Logit(CF)	In-Facility Delivery (prop)	0·368	0·650	0·739	0·659	0
63	Mixed Effects	Logit(CF)	In-Facility Delivery (prop) Log Total Fertility Rate	0·488	0·661	0·665	0·665	0
64	Spatiotemporal	Logit(CF)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·368	0·647	0·737	0·658	0
65	Mixed Effects	Logit(CF)	Log Total Fertility Rate Log LDI (I$ per capita)	0·488	0·662	0·667	0·667	0
65	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop) Log Total Fertility Rate	0·488	0·662	0·664	0·664	0
67	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate	0·486	0·659	0·662	0·662	0
68	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Log LDI (I$ per capita)	0·369	0·637	0·737	0·655	0
69	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·368	0·624	0·733	0·646	0
70	Mixed Effects	Logit(CF)	In-Facility Delivery (prop) Log Total Fertility Rate Health System Access	0·488	0·662	0·665	0·665	0
71	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·368	0·627	0·732	0·650	0
71	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access	0·368	0·628	0·736	0·650	0
73	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·368	0·631	0·737	0·652	0

74	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate Health System Access	0·486	0·659	0·661	0·661	0
74	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·368	0·624	0·733	0·646	0
74	Mixed Effects	Logit(CF)	Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Log LDI (I$ per capita)	0·486	0·662	0·662	0·663	0
77	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) Log Neonatal Death Rate (per 1000)	0·368	0·627	0·728	0·649	0
77	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Log LDI (I$ per capita)	0·485	0·659	0·661	0·660	0
79	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate Female Education by Age Log Neonatal Death Rate (per 1000)	0·486	0·658	0·661	0·660	0
80	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000)	0·368	0·627	0·730	0·646	0
80	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Log Total Fertility Rate	0·487	0·662	0·662	0·663	0
82	Mixed Effects	Logit(CF)	Log Total Fertility Rate	0·488	0·666	0·665	0·667	0
82	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access	0·368	0·642	0·738	0·655	0
84	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate Female Education by Age Health System Access	0·486	0·659	0·661	0·661	0
85	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop)	0·368	0·652	0·740	0·657	0
86	Spatiotemporal	Logit(CF)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·368	0·637	0·733	0·653	0
87	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·485	0·657	0·659	0·659	0

88	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·485	0·657	0·658	0·658	0
88	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·371	0·628	0·730	0·634	0
88	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·368	0·638	0·733	0·652	0
88	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop) Health System Access Log Neonatal Death Rate (per 1000)	0·368	0·640	0·733	0·653	0
88	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·486	0·660	0·661	0·660	0
93	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate	0·368	0·645	0·736	0·654	0
93	Spatiotemporal	Logit(CF)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·368	0·648	0·738	0·655	0
95	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·371	0·628	0·732	0·633	0
95	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·485	0·657	0·659	0·658	0
97	Mixed Effects	Logit(CF)	In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·486	0·660	0·662	0·660	0
97	Mixed Effects	Logit(CF)	Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted	0·486	0·666	0·662	0·662	0
99	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·371	0·629	0·731	0·634	0
100	Spatiotemporal	Logit(CF)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted	0·368	0·643	0·736	0·652	0
101	Spatiotemporal	Logit(CF)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·368	0·636	0·732	0·649	0

102	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·371	0·629	0·732	0·633	0
103	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·370	0·621	0·726	0·629	0
103	Spatiotemporal	Logit(CF)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·368	0·637	0·732	0·648	0
105	Mixed Effects	Logit(CF)	In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·486	0·661	0·661	0·659	0
105	Spatiotemporal	Ln(Rate)	Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·371	0·635	0·729	0·635	0
107	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·370	0·620	0·726	0·628	0
108	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access	0·486	0·662	0·660	0·659	0
109	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·485	0·658	0·658	0·657	0
110	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·485	0·658	0·658	0·657	0
110	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted	0·485	0·663	0·660	0·660	0
110	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·486	0·661	0·660	0·659	0
113	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age	0·485	0·659	0·659	0·657	0

114	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·370	0·622	0·726	0·629	0
115	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·371	0·633	0·731	0·633	0
116	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·485	0·659	0·658	0·657	0
117	Mixed Effects	Logit(CF)	Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·486	0·663	0·661	0·659	0
117	Spatiotemporal	Ln(Rate)	Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·371	0·624	0·725	0·629	0
119	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Log LDI (I$ per capita)	0·371	0·638	0·730	0·634	0
119	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access	0·485	0·660	0·658	0·657	0
121	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·371	0·622	0·726	0·628	0
122	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·370	0·621	0·726	0·628	0
123	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·371	0·632	0·732	0·632	0
124	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age	0·371	0·629	0·731	0·630	0

125	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age	0·371	0·628	0·731	0·629	0
126	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·371	0·620	0·724	0·625	0
127	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·370	0·623	0·726	0·628	0
128	Mixed Effects	Logit(CF)	Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000)	0·486	0·665	0·660	0·658	0
129	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·371	0·621	0·724	0·626	0
130	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·371	0·620	0·724	0·625	0
131	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000)	0·485	0·662	0·657	0·656	0
131	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·370	0·620	0·723	0·625	0
133	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·371	0·622	0·724	0·626	0
133	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age	0·371	0·630	0·731	0·629	0
135	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·371	0·642	0·732	0·631	0
135	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·371	0·622	0·724	0·625	0

137	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log LDI (I$ per capita)	0·496	0·672	0·658	0·658	0
138	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·371	0·644	0·732	0·630	0
139	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age	0·371	0·629	0·732	0·628	0
140	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·371	0·650	0·731	0·632	0
141	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log LDI (I$ per capita)	0·496	0·673	0·658	0·658	0
142	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop)	0·496	0·674	0·659	0·658	0
143	Spatiotemporal	Ln(Rate)	Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Female Education by Age	0·371	0·639	0·728	0·628	0
144	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·371	0·649	0·732	0·630	0
144	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access	0·371	0·634	0·731	0·627	0
144	Spatiotemporal	Ln(Rate)	Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000)	0·371	0·626	0·723	0·624	0
147	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age	0·371	0·643	0·731	0·628	0
147	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access	0·371	0·635	0·731	0·627	0
149	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) Log Neonatal Death Rate (per 1000)	0·494	0·675	0·659	0·658	0
150	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·371	0·649	0·733	0·629	0

151	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·491	0·660	0·633	0·634	0
152	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000)	0·370	0·625	0·722	0·623	0
152	Mixed Effects	Logit(CF)	In-Facility Delivery (prop) Log LDI (I$ per capita)	0·509	0·704	0·664	0·662	0
154	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·492	0·667	0·655	0·652	0
155	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Log LDI (I$ per capita)	0·500	0·681	0·657	0·658	0
156	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop) Health System Access Log Neonatal Death Rate (per 1000)	0·500	0·702	0·664	0·662	0
157	Mixed Effects	Logit(CF)	In-Facility Delivery (prop)	0·509	0·704	0·664	0·662	0
158	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age	0·371	0·646	0·732	0·628	0
158	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·371	0·659	0·731	0·632	0
160	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop)	0·496	0·676	0·657	0·657	0
161	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·492	0·668	0·653	0·651	0
161	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·491	0·661	0·632	0·633	0
163	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·371	0·629	0·723	0·622	0
164	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·371	0·632	0·723	0·624	0
164	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·371	0·629	0·721	0·621	0

164	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·492	0·662	0·633	0·633	0
167	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·490	0·672	0·655	0·652	0
168	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·371	0·630	0·723	0·622	0
169	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Log LDI (I$ per capita)	0·492	0·681	0·657	0·656	0
170	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·370	0·641	0·724	0·625	0
171	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·371	0·630	0·721	0·620	0
172	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop) Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·500	0·705	0·664	0·660	0
173	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate	0·502	0·691	0·656	0·657	0
173	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·371	0·635	0·720	0·623	0
173	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop) Log LDI (I$ per capita)	0·510	0·705	0·662	0·660	0
176	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·490	0·673	0·655	0·651	0
176	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log LDI (I$ per capita)	0·490	0·672	0·654	0·651	0
176	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·492	0·663	0·633	0·633	0

179	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·492	0·662	0·631	0·632	0
180	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000)	0·490	0·674	0·655	0·651	0
180	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted	0·371	0·645	0·729	0·625	0
180	Mixed Effects	Logit(CF)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·500	0·687	0·657	0·655	0
183	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000)	0·371	0·634	0·719	0·620	0
184	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age	0·371	0·662	0·730	0·632	0
185	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·491	0·664	0·632	0·632	0
186	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access	0·490	0·674	0·654	0·650	0
187	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·371	0·644	0·723	0·624	0
188	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·494	0·672	0·633	0·635	0
189	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·371	0·642	0·721	0·623	0
189	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·492	0·664	0·631	0·632	0
189	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·492	0·665	0·631	0·632	0

192	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·371	0·637	0·715	0·617	0
192	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·371	0·653	0·732	0·626	0
192	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·490	0·675	0·655	0·651	0
195	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·492	0·662	0·629	0·630	0
195	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·371	0·654	0·733	0·626	0
195	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·371	0·644	0·723	0·624	0
198	Mixed Effects	Logit(CF)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted	0·492	0·690	0·657	0·655	0
198	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·494	0·671	0·633	0·634	0
200	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·371	0·654	0·732	0·626	0
201	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·494	0·673	0·632	0·634	0
201	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·492	0·664	0·631	0·631	0
203	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·499	0·688	0·655	0·653	0
204	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·494	0·672	0·632	0·633	0

204	Mixed Effects	Logit(CF)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·499	0·689	0·656	0·654	0
204	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop)	0·510	0·706	0·660	0·659	0
207	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·492	0·663	0·629	0·630	0
207	Mixed Effects	Ln(Rate)	Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·492	0·666	0·633	0·632	0
209	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·371	0·645	0·719	0·623	0
210	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·371	0·645	0·719	0·623	0
211	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·492	0·663	0·629	0·630	0
212	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·370	0·668	0·731	0·631	0
213	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access	0·496	0·694	0·658	0·654	0
214	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Female Education by Age	0·371	0·659	0·729	0·627	0
215	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·370	0·668	0·732	0·631	0
216	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·499	0·689	0·655	0·652	0
217	Mixed Effects	Ln(Rate)	Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·493	0·679	0·638	0·639	0
217	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·493	0·674	0·632	0·633	0

219	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Log LDI (I$ per capita)	0·493	0·679	0·636	0·639	0
219	Mixed Effects	Logit(CF)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·496	0·697	0·658	0·654	0
221	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·493	0·673	0·632	0·632	0
222	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·370	0·669	0·732	0·630	0
223	Mixed Effects	Logit(CF)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log LDI (I$ per capita)	0·496	0·696	0·657	0·653	0
224	Mixed Effects	Logit(CF)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·496	0·699	0·657	0·654	0
225	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·371	0·651	0·731	0·608	0
226	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·371	0·652	0·732	0·609	0
227	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·371	0·651	0·732	0·607	0
228	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·371	0·652	0·733	0·607	0
229	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·371	0·653	0·731	0·608	0
230	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·371	0·653	0·732	0·607	0
231	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age	0·496	0·673	0·630	0·630	0
232	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·371	0·645	0·722	0·600	0

233	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age	0·496	0·675	0·629	0·630	0
234	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age	0·496	0·675	0·628	0·629	0
235	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Neonatal Death Rate (per 1000)	0·371	0·646	0·719	0·598	0
235	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Log Total Fertility Rate	0·371	0·654	0·731	0·603	0
235	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate	0·371	0·655	0·731	0·604	0
238	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate	0·371	0·656	0·731	0·604	0
238	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age	0·496	0·676	0·629	0·629	0
240	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate Female Education by Age	0·371	0·654	0·730	0·603	0
240	Mixed Effects	Ln(Rate)	Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000)	0·492	0·670	0·628	0·628	0
242	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000)	0·492	0·668	0·627	0·627	0
243	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate	0·371	0·655	0·732	0·603	0
244	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate	0·371	0·655	0·731	0·603	0
245	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate	0·371	0·654	0·731	0·602	0
245	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Female Education by Age Log Neonatal Death Rate (per 1000)	0·371	0·657	0·718	0·603	0
247	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·502	0·686	0·631	0·630	0
248	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·371	0·674	0·731	0·628	0

249	Mixed Effects	Ln(Rate)	Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Female Education by Age	0·496	0·690	0·629	0·631	0
250	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·502	0·688	0·630	0·630	0
251	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Log Total Fertility Rate Log LDI (I$ per capita)	0·371	0·659	0·730	0·605	0
252	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·497	0·683	0·628	0·629	0
253	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access	0·494	0·680	0·628	0·628	0
254	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate HIV Prevalence, ARV-Adjusted Health System Access	0·495	0·681	0·626	0·629	0
255	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·499	0·672	0·624	0·625	0
255	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·371	0·674	0·732	0·627	0
257	Spatiotemporal	Ln(Rate)	Log Total Fertility Rate Log LDI (I$ per capita)	0·371	0·660	0·731	0·603	0
258	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·500	0·698	0·632	0·631	0
258	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·497	0·676	0·629	0·628	0
260	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·371	0·676	0·732	0·627	0
261	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log LDI (I$ per capita)	0·509	0·709	0·635	0·633	0
262	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·505	0·693	0·631	0·629	0

263	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Log Total Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted	0·495	0·695	0·627	0·629	0
263	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·499	0·673	0·623	0·624	0
265	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age Log Neonatal Death Rate (per 1000)	0·505	0·694	0·631	0·629	0
266	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Female Education by Age	0·503	0·692	0·628	0·628	0
267	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate HIV Prevalence, ARV-Adjusted Female Education by Age Health System Access Log Neonatal Death Rate (per 1000)	0·497	0·682	0·626	0·626	0
268	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·499	0·675	0·623	0·625	0
268	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age	0·509	0·716	0·633	0·632	0
270	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·499	0·694	0·629	0·628	0
271	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log LDI (I$ per capita)	0·371	0·667	0·734	0·605	0
272	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log LDI (I$ per capita)	0·371	0·668	0·734	0·605	0
272	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·499	0·694	0·629	0·628	0
274	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log LDI (I$ per capita)	0·371	0·669	0·735	0·606	0
275	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Female Education by Age	0·503	0·695	0·628	0·627	0
275	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·499	0·676	0·623	0·623	0
277	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·497	0·690	0·624	0·624	0

278	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Antenatal Care (4 visits) Coverage (prop) HIV Prevalence, ARV-Adjusted Female Education by Age	0·501	0·713	0·629	0·629	0
279	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Log LDI (I$ per capita)	0·371	0·684	0·733	0·608	0
280	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·504	0·718	0·629	0·628	0
281	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·504	0·717	0·629	0·628	0
281	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·507	0·696	0·625	0·624	0
281	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log LDI (I$ per capita)	0·371	0·685	0·734	0·608	0
284	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop)	0·371	0·674	0·734	0·602	0
285	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop) Log LDI (I$ per capita)	0·371	0·686	0·733	0·606	0
286	Spatiotemporal	Ln(Rate)	Log Total Fertility Rate	0·371	0·669	0·726	0·593	0
287	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Log Total Fertility Rate	0·371	0·669	0·728	0·592	0
288	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop)	0·371	0·675	0·733	0·602	0
288	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access Log LDI (I$ per capita)	0·504	0·717	0·629	0·627	0
288	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·507	0·695	0·623	0·623	0
291	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·500	0·704	0·626	0·625	0
291	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·507	0·697	0·626	0·624	0
293	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop)	0·371	0·676	0·735	0·602	0
294	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Log Neonatal Death Rate (per 1000)	0·507	0·697	0·623	0·623	0
295	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·500	0·705	0·626	0·624	0

296	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·500	0·704	0·625	0·624	0
296	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop)	0·371	0·693	0·733	0·605	0
298	Spatiotemporal	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop)	0·371	0·694	0·734	0·604	0
299	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·504	0·725	0·628	0·626	0
300	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·504	0·725	0·628	0·625	0
301	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate Log LDI (I$ per capita)	0·371	0·686	0·734	0·600	0
302	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) HIV Prevalence, ARV-Adjusted Health System Access	0·504	0·725	0·628	0·625	0
303	Spatiotemporal	Ln(Rate)	Skilled Birth Attendance (prop)	0·371	0·695	0·734	0·603	0
304	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·511	0·699	0·595	0·598	0
305	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·511	0·698	0·595	0·598	0
306	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Neonatal Death Rate (per 1000) Log LDI (I$ per capita)	0·512	0·693	0·592	0·590	0
307	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·510	0·700	0·596	0·598	0
308	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·510	0·699	0·596	0·597	0
309	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·511	0·700	0·593	0·598	0
309	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Log LDI (I$ per capita)	0·527	0·739	0·605	0·606	0
309	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate Log LDI (I$ per capita)	0·511	0·700	0·593	0·597	0
312	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log LDI (I$ per capita)	0·527	0·741	0·606	0·606	0
313	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Neonatal Death Rate (per 1000)	0·512	0·697	0·591	0·590	0
314	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Log Total Fertility Rate	0·513	0·704	0·588	0·592	0
315	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log Total Fertility Rate	0·513	0·705	0·588	0·593	0

316	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop)	0·529	0·751	0·603	0·604	0
317	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Log Total Fertility Rate Log LDI (I$ per capita)	0·513	0·711	0·597	0·598	0
318	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Log LDI (I$ per capita)	0·522	0·721	0·598	0·599	0
318	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log LDI (I$ per capita)	0·521	0·722	0·598	0·599	0
318	Mixed Effects	Ln(Rate)	Log Total Fertility Rate Log LDI (I$ per capita)	0·513	0·711	0·597	0·598	0
318	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop)	0·532	0·753	0·603	0·603	0
322	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate	0·513	0·706	0·588	0·593	0
323	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate	0·513	0·705	0·587	0·592	0
324	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log LDI (I$ per capita)	0·523	0·724	0·597	0·599	0
324	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop)	0·529	0·750	0·602	0·602	0
324	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Female Education by Age Log Neonatal Death Rate (per 1000)	0·516	0·710	0·598	0·595	0
327	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) Log Total Fertility Rate	0·514	0·705	0·590	0·591	0
328	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop) Log Total Fertility Rate	0·514	0·706	0·591	0·592	0
329	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop)	0·524	0·731	0·597	0·598	0
330	Mixed Effects	Ln(Rate)	Skilled Birth Attendance (prop) Log LDI (I$ per capita)	0·529	0·742	0·599	0·600	0
331	Mixed Effects	Ln(Rate)	In-Facility Delivery (prop) Skilled Birth Attendance (prop) Log Total Fertility Rate Female Education by Age	0·513	0·706	0·589	0·591	0
332	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Skilled Birth Attendance (prop)	0·527	0·734	0·596	0·598	0
333	Spatiotemporal	Ln(Rate)	Age-Specific Fertility Rate	0·371	0·711	0·733	0·580	0
333	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate In-Facility Delivery (prop) Skilled Birth Attendance (prop)	0·524	0·732	0·596	0·598	0
335	Mixed Effects	Ln(Rate)	Log Total Fertility Rate	0·521	0·720	0·582	0·580	0
336	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Log LDI (I$ per capita)	0·534	0·750	0·593	0·593	0
336	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate Log Total Fertility Rate	0·521	0·721	0·580	0·579	0
338	Mixed Effects	Ln(Rate)	Age-Specific Fertility Rate	0·550	0·774	0·569	0·572	0

Web Table 6: Out-of-sample performance for the ensemble model for maternal mortality						
Model	**Root Mean Squared Error**		**Proportion with Correct Trend**		**Coverage (%)**	
	In-Sample	Test 2	In-Sample	Test 2	In-Sample	Test 2
Ensemble	0·3683	0·6255	0·7386	0·6651	99·2	97·3
Best Individual Model	0·3690	0·6355	0·7371	0·6628	99·2	96·9

Web Table 7: Attainment year by country and probability of achieving MDG 5 by different years							
		Attainment Probability					
Country	Attainment Year	by 2015	2016 - 2020	2021 - 2025	2026 - 2030	2031 - 2035	2036 - 2040
Afghanistan	2040+	0%	0%	0%	0%	0%	0%
Algeria	2030 (2016–2098)	2%	12%	20%	20%	12%	10%
Angola	2040+	0%	0%	2%	6%	7%	12%
Antigua and Barbuda	2019 (2012–2032)	20%	45%	25%	7%	3%	0%
Argentina	2040+	0%	0%	0%	0%	0%	0%
Armenia	2040+	0%	0%	0%	1%	3%	6%
Azerbaijan	2040+	0%	0%	0%	0%	0%	0%
Bahamas	2040+	0%	0%	0%	0%	0%	0%
Bahrain	2021 (2013–2036)	9%	33%	31%	17%	7%	2%
Bangladesh	2023 (2016–2036)	2%	28%	39%	19%	9%	2%
Barbados	2040+	0%	0%	2%	6%	10%	12%
Belize	2040+	0%	0%	0%	0%	0%	0%
Benin	2040+	0%	0%	1%	5%	11%	17%
Bhutan	2018 (2011–2031)	29%	40%	22%	6%	2%	1%
Bolivia	2040+	0%	0%	4%	9%	14%	17%
Botswana	2040+	0%	0%	0%	0%	0%	0%
Brazil	2040+	0%	0%	0%	0%	1%	1%
Burkina Faso	2040+	0%	0%	0%	0%	0%	1%
Burundi	2040+	0%	0%	0%	0%	0%	0%
Cambodia	2040+	0%	0%	0%	0%	1%	2%
Cameroon	2040+	0%	0%	0%	0%	0%	0%
Cape Verde	2040+	0%	3%	8%	11%	12%	11%
Central African Republic	2021 (2013–2034)	10%	37%	33%	13%	4%	1%
Chad	2040+	0%	0%	0%	0%	0%	0%
Chile	2021 (2015–2030)	4%	42%	39%	13%	2%	0%
China	2014 (2009–2022)	66%	28%	5%	0%	0%	0%
Colombia	2040+	0%	0%	0%	0%	0%	1%
Comoros	2040+	0%	0%	3%	4%	8%	7%
Congo	2040+	0%	0%	0%	0%	0%	0%
Congo, the Democratic Republic of the	2040+	0%	0%	0%	0%	0%	0%
Costa Rica	2040+	0%	0%	0%	0%	0%	0%
Cote d'Ivoire	2040+	0%	0%	0%	0%	0%	0%
Cuba	2040+	0%	0%	0%	0%	0%	0%
Djibouti	2040+	0%	0%	0%	0%	0%	1%
Dominica	2040+	0%	0%	0%	1%	4%	6%
Dominican Republic	2040+	0%	0%	0%	0%	1%	4%
Ecuador	2023 (2015–2035)	3%	29%	40%	20%	7%	1%
Egypt	2014 (2010–2022)	68%	28%	4%	1%	0%	0%
El Salvador	2018 (2013–2027)	17%	57%	21%	4%	1%	0%
Equatorial Guinea	2017 (2009–2047)	43%	28%	13%	7%	4%	2%
Eritrea	2040+	0%	0%	0%	0%	0%	0%
Ethiopia	2040+	0%	0%	0%	1%	1%	3%
Fiji	2040+	0%	3%	4%	6%	6%	6%
Gabon	2040+	0%	0%	0%	0%	0%	0%
Gambia	2040+	0%	0%	0%	0%	1%	2%
Georgia	2040+	0%	0%	0%	0%	0%	0%
Ghana	2040+	0%	0%	0%	0%	0%	1%
Grenada	2040+	0%	0%	0%	0%	2%	3%
Guatemala	2027 (2017–2046)	1%	12%	30%	29%	17%	6%
Guinea	2040+	0%	0%	0%	0%	0%	0%
Guinea-Bissau	2040+	0%	0%	0%	0%	0%	0%
Guyana	2040+	0%	0%	0%	0%	0%	0%
Haiti	2040+	0%	0%	0%	0%	0%	0%
Honduras	2040+	0%	1%	4%	8%	13%	14%
India	2018 (2011–2031)	26%	42%	23%	6%	2%	1%
Indonesia	2040+	0%	0%	1%	5%	11%	12%
Iran, Islamic Republic of	2013 (2007–2025)	66%	24%	8%	2%	0%	0%
Iraq	2040+	0%	2%	7%	9%	14%	10%
Jamaica	2040+	0%	2%	6%	8%	10%	9%
Jordan	2013 (2008–2021)	79%	18%	3%	0%	0%	0%
Kazakhstan	2040+	0%	0%	0%	3%	6%	13%
Kenya	2040+	0%	0%	0%	0%	1%	1%

Kiribati	2023 (2014–2046)	8%	27%	31%	18%	7%	4%
Korea, Democratic People's Republic of	2040+	0%	0%	0%	0%	1%	1%
Kuwait	2040+	0%	1%	5%	11%	15%	15%
Kyrgyzstan	2040+	0%	0%	0%	0%	0%	0%
Lao People's Democratic Republic	2040+	0%	3%	7%	10%	9%	10%
Lebanon	2031 (2013–2122)	5%	12%	17%	15%	12%	8%
Lesotho	2040+	0%	0%	0%	0%	0%	0%
Liberia	2040+	0%	0%	0%	0%	0%	0%
Libyan Arab Jamahiriya	2015 (2007–2033)	57%	24%	10%	6%	2%	1%
Madagascar	2040+	0%	0%	0%	0%	0%	0%
Malawi	2040+	0%	0%	0%	1%	2%	5%
Malaysia	2040+	1%	3%	8%	11%	12%	10%
Maldives	2004 (2002–2008)	100%	0%	0%	0%	0%	0%
Mali	2040+	0%	0%	0%	2%	7%	10%
Marshall Islands	2040+	0%	0%	0%	0%	0%	0%
Mauritania	2040+	0%	0%	1%	5%	8%	12%
Mauritius	2040+	0%	0%	0%	0%	2%	5%
Mexico	2040+	0%	0%	0%	0%	0%	0%
Micronesia, Federated States of	2030 (2014–2129)	6%	15%	18%	14%	10%	9%
Mongolia	2015 (2011–2024)	52%	39%	7%	2%	0%	0%
Morocco	2007 (2005–2011)	100%	0%	0%	0%	0%	0%
Mozambique	2040+	0%	0%	0%	0%	0%	0%
Myanmar	2033 (2017–2103)	1%	9%	15%	18%	15%	10%
Namibia	2018 (2011–2031)	35%	38%	18%	7%	2%	1%
Nepal	2040+	0%	0%	0%	2%	4%	5%
Nicaragua	2040+	0%	0%	0%	0%	0%	0%
Niger	2040+	0%	0%	0%	0%	0%	0%
Nigeria	2040+	0%	0%	0%	0%	0%	0%
Occupied Palestinian Territory	2040+	0%	2%	4%	7%	9%	8%
Oman	2019 (2009–2046)	30%	28%	21%	9%	4%	3%
Pakistan	2040+	0%	0%	1%	5%	7%	10%
Panama	2040+	0%	0%	0%	1%	1%	4%
Papua New Guinea	2040+	0%	0%	1%	2%	4%	5%
Paraguay	2040+	0%	0%	0%	0%	2%	4%
Peru	2014 (2009–2022)	67%	28%	5%	0%	0%	0%
Philippines	2027 (2016–2046)	1%	12%	28%	27%	17%	8%
Qatar	2040+	1%	5%	9%	14%	10%	10%
Rwanda	2028 (2015–2072)	3%	15%	25%	18%	13%	8%
Saint Lucia	2040+	0%	0%	0%	0%	0%	2%
Saint Vincent and the Grenadines	2040+	0%	0%	0%	3%	8%	12%
Samoa	2015 (2007–2034)	53%	26%	11%	6%	2%	1%
Sao Tome and Principe	2040+	0%	0%	0%	0%	1%	1%
Saudi Arabia	2040+	0%	0%	1%	1%	4%	4%
Senegal	2040+	0%	0%	0%	0%	1%	2%
Seychelles	2040+	0%	0%	0%	0%	0%	0%
Sierra Leone	2040+	0%	0%	0%	0%	0%	0%
Solomon Islands	2040+	1%	4%	8%	9%	11%	9%
Somalia	2040+	0%	0%	0%	0%	0%	0%
South Africa	2040+	0%	0%	0%	0%	1%	2%
Sri Lanka	2026 (2016–2047)	2%	18%	31%	25%	14%	5%
Sudan	2037 (2021–2090)	0%	2%	9%	16%	18%	18%
Suriname	2040+	0%	0%	0%	0%	2%	4%
Swaziland	2040+	0%	0%	0%	0%	0%	0%
Syrian Arab Republic	2007 (2003–2012)	100%	0%	0%	0%	0%	0%
Taiwan	2040+	1%	5%	7%	8%	7%	10%
Tajikistan	2026 (2017–2042)	1%	13%	34%	28%	14%	7%
Tanzania, United Republic of	2040+	0%	0%	0%	0%	1%	3%
Thailand	2040+	0%	0%	0%	0%	0%	0%
Timor-Leste	2040+	0%	0%	0%	0%	2%	4%
Togo	2040+	0%	0%	0%	0%	0%	0%
Tonga	2032 (2015–2151)	4%	13%	15%	14%	12%	8%
Trinidad and Tobago	2034 (2020–2067)	0%	3%	11%	23%	21%	16%
Tunisia	2015 (2007–2033)	55%	27%	11%	4%	2%	1%
Turkey	2012 (2006–2025)	80%	13%	4%	1%	1%	0%
Turkmenistan	2026 (2016–2043)	2%	15%	31%	26%	16%	6%

Uganda	2031 (2019–2060)	0%	5%	22%	24%	20%	13%
United Arab Emirates	2022 (2009–2072)	22%	21%	18%	14%	7%	6%
Uruguay	2040+	0%	0%	0%	0%	2%	3%
Uzbekistan	2040+	0%	0%	0%	0%	0%	1%
Vanuatu	2040+	1%	6%	9%	12%	11%	10%
Venezuela	2040+	0%	0%	0%	0%	0%	0%
Viet Nam	2023 (2012–2057)	14%	27%	22%	15%	8%	5%
Yemen	2040+	0%	0%	1%	6%	12%	13%
Zambia	2040+	0%	0%	3%	6%	12%	18%
Zimbabwe	2040+	0%	0%	0%	0%	0%	0%

Web Table 8: Attainment year by country and probability of achieving MDG 4 by different years

Country	Year of Attainment	Probability of Attainment					
		by 2015	2016 - 2020	2021 - 2025	2026 - 2030	2031 - 2035	2036 - 2040
Afghanistan	2040+	0%	2%	5%	6%	10%	9%
Algeria	2012 (2005 - 2028)	75%	16%	7%	2%	1%	0%
Angola	2030 (2019 - 2051)	0%	5%	23%	27%	23%	11%
Antigua and Barbuda	2040+	1%	4%	9%	12%	11%	9%
Argentina	2023 (2017 - 2032)	1%	25%	46%	22%	5%	1%
Armenia	2011 (2007 - 2016)	96%	4%	0%	0%	0%	0%
Azerbaijan	2023 (2014 - 2045)	8%	29%	28%	18%	8%	5%
Bahamas	2025 (2013 - 2064)	8%	22%	24%	17%	11%	7%
Bahrain	2011 (2007 - 2019)	89%	10%	1%	0%	0%	0%
Bangladesh	2015 (2011 - 2020)	57%	41%	2%	0%	0%	0%
Barbados	2037 (2017 - 2139)	2%	6%	11%	13%	13%	12%
Belize	2023 (2013 - 2045)	11%	26%	26%	17%	10%	5%
Benin	2028 (2020 - 2043)	0%	3%	26%	36%	23%	8%
Bhutan	2015 (2011 - 2021)	60%	37%	3%	0%	0%	0%
Bolivia	2022 (2016 - 2032)	2%	34%	42%	19%	3%	1%
Botswana	2040+	0%	0%	0%	1%	2%	3%
Brazil	2015 (2011 - 2020)	63%	36%	1%	0%	0%	0%
Burkina Faso	2040+	0%	0%	0%	1%	3%	4%
Burundi	2039 (2027 - 2073)	0%	0%	1%	12%	20%	25%
Cambodia	2020 (2013 - 2034)	16%	38%	29%	11%	5%	1%
Cameroon	2040+	0%	0%	0%	1%	1%	3%
Cape Verde	2026 (2015 - 2049)	3%	17%	27%	22%	14%	10%
Central African Republic	2040+	0%	0%	0%	0%	0%	0%
Chad	2040+	0%	0%	0%	0%	0%	0%
Chile	2012 (2008 - 2019)	87%	12%	0%	0%	0%	0%
China	2011 (2008 - 2016)	97%	3%	0%	0%	0%	0%
Colombia	2040+	0%	0%	0%	1%	12%	24%
Comoros	2027 (2019 - 2039)	0%	5%	35%	39%	15%	4%
Congo	2040+	0%	0%	0%	0%	0%	0%
Congo, the Democratic Republic of the	2040+	0%	0%	0%	0%	1%	5%
Costa Rica	2014 (2009 - 2022)	73%	24%	3%	1%	0%	0%
Cuba	2013 (2010 - 2017)	88%	12%	0%	0%	0%	0%
Côte d'Ivoire	2040+	0%	0%	0%	3%	7%	9%
Djibouti	2035 (2022 - 2060)	0%	1%	8%	18%	26%	18%
Dominica	2040+	0%	0%	0%	1%	1%	2%
Dominican Republic	2021 (2016 - 2029)	2%	39%	48%	11%	1%	0%
Ecuador	2014 (2009 - 2022)	68%	28%	4%	1%	0%	0%
Egypt	2008 (2005 - 2012)	100%	0%	0%	0%	0%	0%
El Salvador	2008 (2006 - 2011)	100%	0%	0%	0%	0%	0%
Equatorial Guinea	2040+	0%	0%	0%	0%	0%	0%
Eritrea	2021 (2013 - 2035)	8%	36%	35%	15%	5%	1%
Ethiopia	2021 (2015 - 2032)	5%	42%	39%	11%	3%	1%
Fiji	2040+	0%	2%	3%	4%	4%	4%
Gabon	2040+	0%	0%	0%	2%	5%	9%
Gambia	2035 (2022 - 2068)	0%	1%	10%	18%	25%	17%
Georgia	2039 (2019 - 2122)	1%	4%	10%	12%	15%	12%
Ghana	2024 (2018 - 2033)	0%	14%	51%	29%	6%	1%
Grenada	2023 (2012 - 2056)	11%	24%	24%	20%	9%	5%
Guatemala	2017 (2013 - 2024)	31%	56%	12%	1%	0%	0%
Guinea	2032 (2021 - 2051)	0%	1%	12%	29%	27%	16%
Guinea-Bissau	2040+	0%	0%	0%	0%	3%	5%
Guyana	2040+	0%	1%	6%	10%	13%	13%
Haiti	2022 (2016 - 2030)	2%	36%	47%	12%	2%	0%
Honduras	2014 (2009 - 2022)	67%	29%	4%	1%	0%	0%
India	2026 (2020 - 2038)	0%	5%	39%	36%	16%	4%
Indonesia	2023 (2015 - 2037)	3%	29%	37%	20%	8%	2%
Iran, Islamic Republic of	2012 (2006 - 2022)	85%	12%	3%	1%	0%	0%
Iraq	2037 (2016 - 2196)	2%	5%	14%	14%	12%	11%
Jamaica	2024 (2013 - 2052)	10%	26%	25%	16%	9%	5%
Jordan	2040+	0%	0%	1%	4%	9%	15%
Kazakhstan	2034 (2018 - 2090)	1%	5%	15%	19%	16%	12%
Kenya	2040+	0%	0%	0%	0%	2%	7%
Kiribati	2029 (2011 - 2151)	10%	18%	14%	13%	10%	8%
Korea, Democratic People's Republic of	2036 (2034 - 2037)	0%	0%	0%	0%	51%	49%
Kuwait	2040+	2%	7%	11%	11%	11%	10%
Kyrgyzstan	2040+	0%	2%	7%	14%	14%	14%
Lao People's Democratic Republic	2022 (2011 - 2059)	18%	27%	23%	14%	7%	5%
Lebanon	2012 (2005 - 2029)	74%	16%	5%	2%	1%	0%
Lesotho	2040+	0%	0%	0%	0%	0%	0%
Liberia	2016 (2012 - 2021)	45%	53%	3%	0%	0%	0%
Libyan Arab Jamahiriya	2011 (2004 - 2026)	79%	13%	5%	1%	1%	0%
Madagascar	2014 (2011 - 2017)	82%	18%	0%	0%	0%	0%
Malawi	2021 (2016 - 2029)	1%	42%	44%	11%	1%	0%
Malaysia	2008 (2004 - 2014)	99%	1%	0%	0%	0%	0%
Maldives	2004 (2003 - 2006)	100%	0%	0%	0%	0%	0%
Mali	2039 (2025 - 2071)	0%	0%	4%	11%	19%	19%
Marshall Islands	2040+	0%	0%	0%	0%	0%	0%
Mauritania	2040+	0%	0%	1%	2%	5%	6%

Mauritius	2037 (2025 - 2059)	0%	0%	4%	13%	24%	24%
Mexico	2019 (2014 - 2027)	10%	56%	29%	5%	1%	0%
Micronesia, Federated States of	2005 (2001 - 2011)	100%	0%	0%	0%	0%	0%
Mongolia	2011 (2007 - 2020)	88%	10%	2%	0%	0%	0%
Morocco	2017 (2008 - 2040)	42%	28%	14%	8%	4%	2%
Mozambique	2036 (2026 - 2052)	0%	0%	2%	15%	31%	28%
Myanmar	2025 (2013 - 2059)	9%	21%	25%	16%	12%	6%
Namibia	2040+	0%	0%	0%	0%	1%	3%
Nepal	2013 (2010 - 2017)	91%	9%	0%	0%	0%	0%
Nicaragua	2018 (2012 - 2027)	27%	49%	20%	4%	1%	0%
Niger	2027 (2019 - 2041)	0%	7%	30%	38%	18%	4%
Nigeria	2040+	0%	0%	0%	1%	11%	21%
Occupied Palestinian Territory	2023 (2010 - 2070)	21%	23%	18%	13%	10%	4%
Oman	2008 (2005 - 2015)	98%	2%	0%	0%	0%	0%
Pakistan	2040+	0%	0%	0%	0%	1%	3%
Panama	2033 (2018 - 2076)	1%	6%	14%	21%	17%	14%
Papua New Guinea	2040+	0%	1%	4%	6%	7%	6%
Paraguay	2031 (2021 - 2051)	0%	2%	16%	28%	25%	17%
Peru	2011 (2008 - 2015)	98%	2%	0%	0%	0%	0%
Philippines	2022 (2015 - 2036)	5%	31%	36%	19%	7%	2%
Qatar	2033 (2014 - 2198)	4%	13%	14%	15%	11%	9%
Rwanda	2021 (2015 - 2028)	3%	43%	43%	9%	1%	0%
Saint Lucia	2039 (2017 - 2218)	1%	6%	11%	12%	13%	10%
Saint Vincent and the Grenadines	2040+	0%	0%	0%	1%	2%	2%
Samoa	2035 (2012 - *)	7%	12%	12%	10%	9%	7%
Sao Tome and Principe	2023 (2018 - 2029)	0%	15%	65%	19%	1%	0%
Saudi Arabia	2040+	1%	5%	5%	7%	9%	6%
Senegal	2028 (2020 - 2043)	0%	4%	26%	38%	20%	8%
Seychelles	2040+	0%	0%	1%	2%	4%	5%
Sierra Leone	2023 (2017 - 2033)	1%	25%	45%	23%	5%	1%
Solomon Islands	2040+	0%	2%	5%	8%	8%	9%
Somalia	2027 (2018 - 2042)	0%	10%	34%	30%	16%	6%
South Africa	2040+	0%	0%	0%	0%	0%	0%
Sri Lanka	2013 (2006 - 2025)	75%	17%	5%	2%	0%	0%
Sudan	2040+	0%	0%	0%	1%	3%	6%
Suriname	2040+	0%	0%	0%	0%	1%	3%
Swaziland	2040+	0%	0%	0%	0%	0%	0%
Syrian Arab Republic	2010 (2005 - 2018)	93%	6%	1%	0%	0%	0%
Taiwan	2040+	0%	0%	2%	4%	12%	13%
Tajikistan	2016 (2009 - 2029)	45%	34%	14%	5%	2%	0%
Tanzania, United Republic of	2027 (2021 - 2035)	0%	1%	30%	51%	16%	2%
Thailand	2018 (2010 - 2035)	34%	35%	18%	9%	2%	1%
Timor-Leste	2019 (2014 - 2028)	10%	55%	30%	5%	1%	0%
Togo	2040+	0%	0%	0%	0%	2%	5%
Tonga	2040+	0%	1%	2%	2%	3%	4%
Trinidad and Tobago	2040+	0%	0%	0%	1%	3%	4%
Tunisia	2008 (2003 - 2017)	96%	4%	0%	0%	0%	0%
Turkey	2017 (2008 - 2038)	45%	28%	13%	7%	3%	2%
Turkmenistan	2007 (2005 - 2011)	100%	0%	0%	0%	0%	0%
Uganda	2029 (2022 - 2039)	0%	1%	22%	45%	24%	7%
United Arab Emirates	2005 (2001 - 2014)	98%	1%	0%	0%	0%	0%
Uruguay	2022 (2013 - 2041)	8%	29%	33%	18%	7%	2%
Uzbekistan	2040+	0%	1%	3%	8%	10%	12%
Vanuatu	2040+	0%	0%	0%	0%	0%	1%
Venezuela	2024 (2015 - 2042)	3%	22%	35%	21%	11%	6%
Viet Nam	2007 (2004 - 2010)	100%	0%	0%	0%	0%	0%
Yemen	2019 (2010 - 2041)	27%	30%	22%	11%	5%	2%
Zambia	2040+	0%	0%	0%	1%	8%	24%
Zimbabwe	2040+	0%	0%	0%	0%	0%	0%

* we cannot compute an attainment year when the rate of change is equal to zero

Web Table 9. Countries on track to meet MDG 5, comparing different sources				
Country	**IHME 2011**	**IHME 2010**	**UN 2010**	**UN 2007**
Algeria		Yes		
Bahamas				Yes
Barbados				Yes
Bhutan		Yes	Yes	Yes
Bolivia			Yes	
Cape Verde		Yes		
Chile				Yes
China	Yes		Yes	
Comoros				Yes
Egypt	Yes	Yes	Yes	
El Salvador		Yes		
Equatorial Guinea			Yes	
Eritrea			Yes	Yes
Iran, Islamic Republic of	Yes		Yes	
Jordan	Yes	Yes		Yes
Kuwait				Yes
Lao People's Democratic Republic		Yes		
Lebanon		Yes		
Libyan Arab Jamahiriya	Yes	Yes		Yes
Maldives	Yes	Yes	Yes	
Mauritius				Yes
Mongolia	Yes			
Morocco	Yes	Yes		Yes
Mozambique				Yes
Myanmar		Yes		
Oman		Yes		Yes
Peru	Yes			
Qatar		Yes		
Samoa	Yes			
Saudi Arabia		Yes		Yes
Sri Lanka				Yes
Syrian Arab Republic	Yes	Yes		
Tunisia	Yes	Yes		
Turkey	Yes		Yes	Yes
Turkmenistan		Yes		
United Arab Emirates		Yes	Yes	
Uruguay				Yes
Uzbekistan				Yes
Viet Nam			Yes	
Yemen				Yes

Sources

IHME 2010- Margaret C Hogan et al., “Maternal mortality for 181 countries, 1980-2008: a systematic analysis of progress towards Millennium Development Goal 5,” The Lancet 375, no. 9726 (May 8, 2010): 1609-1623.

UN 2010- World Health Organization et al., Trends in maternal mortality: 1990 to 2008 (Geneva: World Health Organization, 2010).

UN 2007- Kenneth Hill et al., “Estimates of maternal mortality worldwide between 1990 and 2005: an assessment of available data,” The Lancet 370, no. 9595 (October 13, 2007): 1311-1319.

Web Table 10. Countries on track to meet MDG 4, comparing different sources

Country	IHME 2011	IHME 2010	UNICEF 2010	UNICEF 2009	UNICEF 2008	US Census Bureau	Countdown to 2015
United Arab Emirates	YES	YES		YES			
Armenia	YES	YES	YES	YES	YES		
Antigua and Barbuda			YES	YES	YES	YES	
Azerbaijan			YES	YES	YES	YES	YES
Bangladesh			YES	YES	YES		YES
Bahrain	YES	YES					
Bahamas					YES		
Belize			YES				
Bolivia			YES	YES	YES	YES	YES
Brazil	YES	YES	YES	YES	YES		YES
Bhutan	YES	YES				YES	
Botswana						YES	YES
Chile	YES	YES	YES	YES	YES		
China	YES	YES	YES	YES		YES	YES
Côte d'Ivoire						YES	
Costa Rica	YES						
Cuba	YES	YES	YES	YES			
Algeria	YES	YES					
Ecuador	YES				YES	YES	
Egypt	YES	YES	YES	YES	YES	YES	YES
Eritrea			YES	YES			YES
Micronesia, Federated States of	YES				YES	YES	
Grenada			YES	YES			
Guatemala				YES			YES
Honduras	YES				YES		
Haiti							YES
Indonesia					YES		YES
India						YES	
Iran, Islamic Republic of	YES		YES	YES	YES		
Lao People's Democratic Republic			YES	YES	YES	YES	YES
Lebanon	YES	YES	YES	YES			
Liberia						YES	
Libyan Arab Jamahiriya	YES	YES		YES	YES		
Sri Lanka	YES	YES				YES	
Morocco			YES	YES	YES	YES	YES
Madagascar	YES		YES				
Maldives	YES	YES	YES	YES	YES	YES	
Mexico		YES	YES	YES	YES		YES
Myanmar						YES	
Mongolia	YES	YES	YES	YES	YES		
Malawi				YES			YES
Malaysia	YES	YES	YES	YES			
Nicaragua			YES	YES		YES	
Nepal	YES	YES	YES	YES	YES		YES
Oman	YES	YES	YES	YES	YES	YES	
Peru	YES	YES	YES	YES	YES	YES	YES
Philippines					YES		YES
Korea, Democratic People's Republic of						YES	
Occupied Palestinian Territory						YES	
Saudi Arabia						YES	
El Salvador	YES	YES	YES	YES	YES	YES	
Syrian Arab Republic	YES	YES		YES	YES		
Thailand		YES	YES	YES	YES		
Turkmenistan	YES	YES					YES
Timor-Leste			YES				
Tunisia	YES	YES	YES	YES	YES		

Turkey			YES	YES	YES	YES
Taiwan			YES	YES	YES	YES
Uzbekistan						YES
Saint Vincent and the Grenadines						YES
Viet Nam	YES	YES	YES	YES	YES	
Vanuatu			YES			
Yemen						YES

Sources

IHME 2010- Margaret C Hogan et al., “Maternal mortality for 181 countries, 1980-2008: a systematic analysis of progress towards Millennium Development Goal 5,” The Lancet 375, no. 9726 (May 8, 2010): 1609-1623.

UNICEF 2010-UNICEF, “Trends in under-five mortality rates (1960-2009),” Childinfo: Monitoring the situation of children and women, http://www.childinfo.org/mortality_ufmrcountry

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UNICEF 2008-UNICEF. Child mortality database: estimates for 2007. Nov 20, 2009.http://www.childmortality.org (accessed March 18, 2010).

US Census Bureau-U.S. Census Bureau International Database (http://www.census.gov/population/international/data/idb/informationGateway.php)

Countdown to 2015-World Health Organization and UNICEF, Countdown to 2015 Decade Report (2000-2010) with Country Profiles: Taking stock of maternal, newborn and child survival (Geneva: World Health Organization and UNICEF).

Figure 3.a. Age Distribution of Under−5 Deaths by GBD Region in 1990

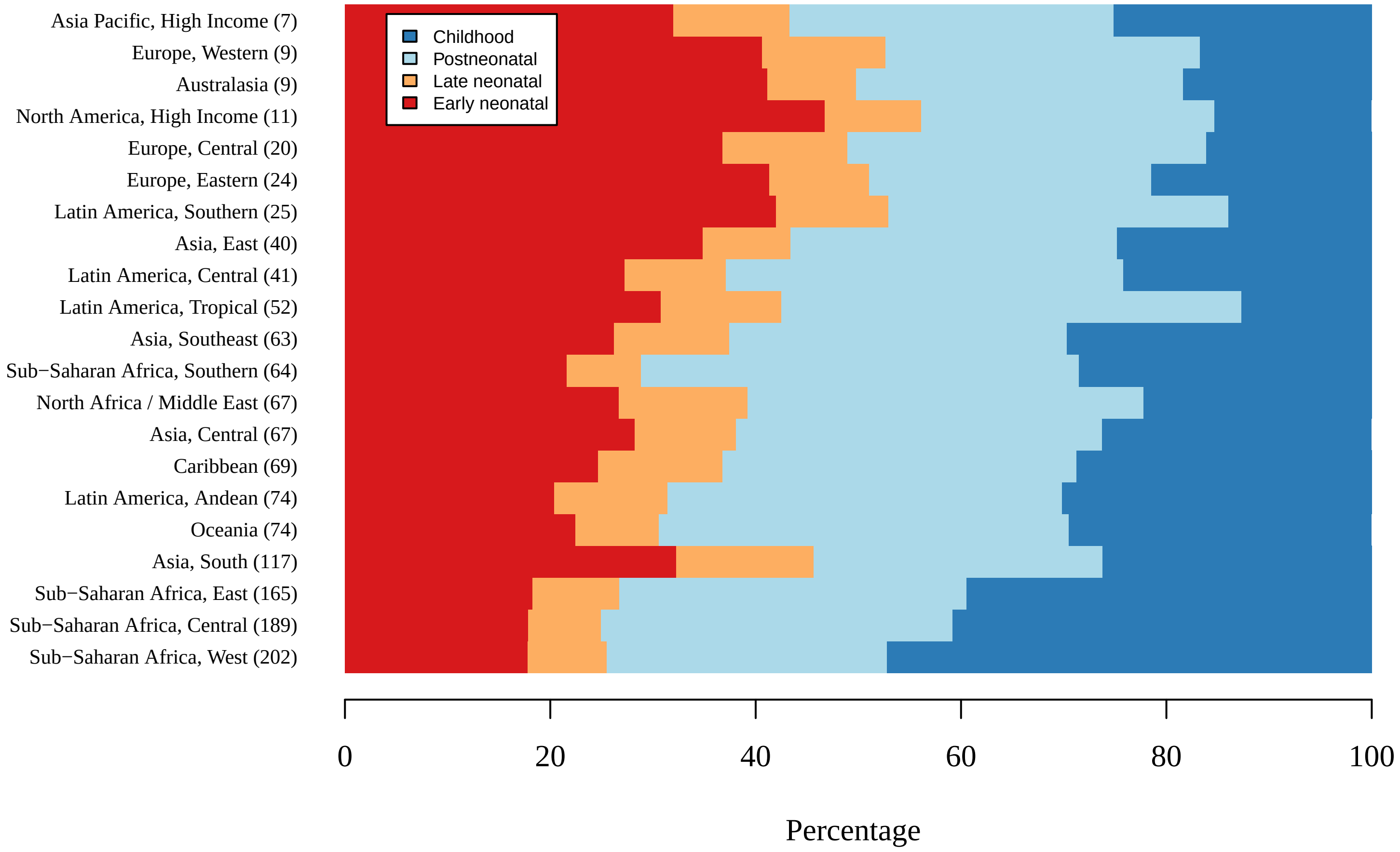
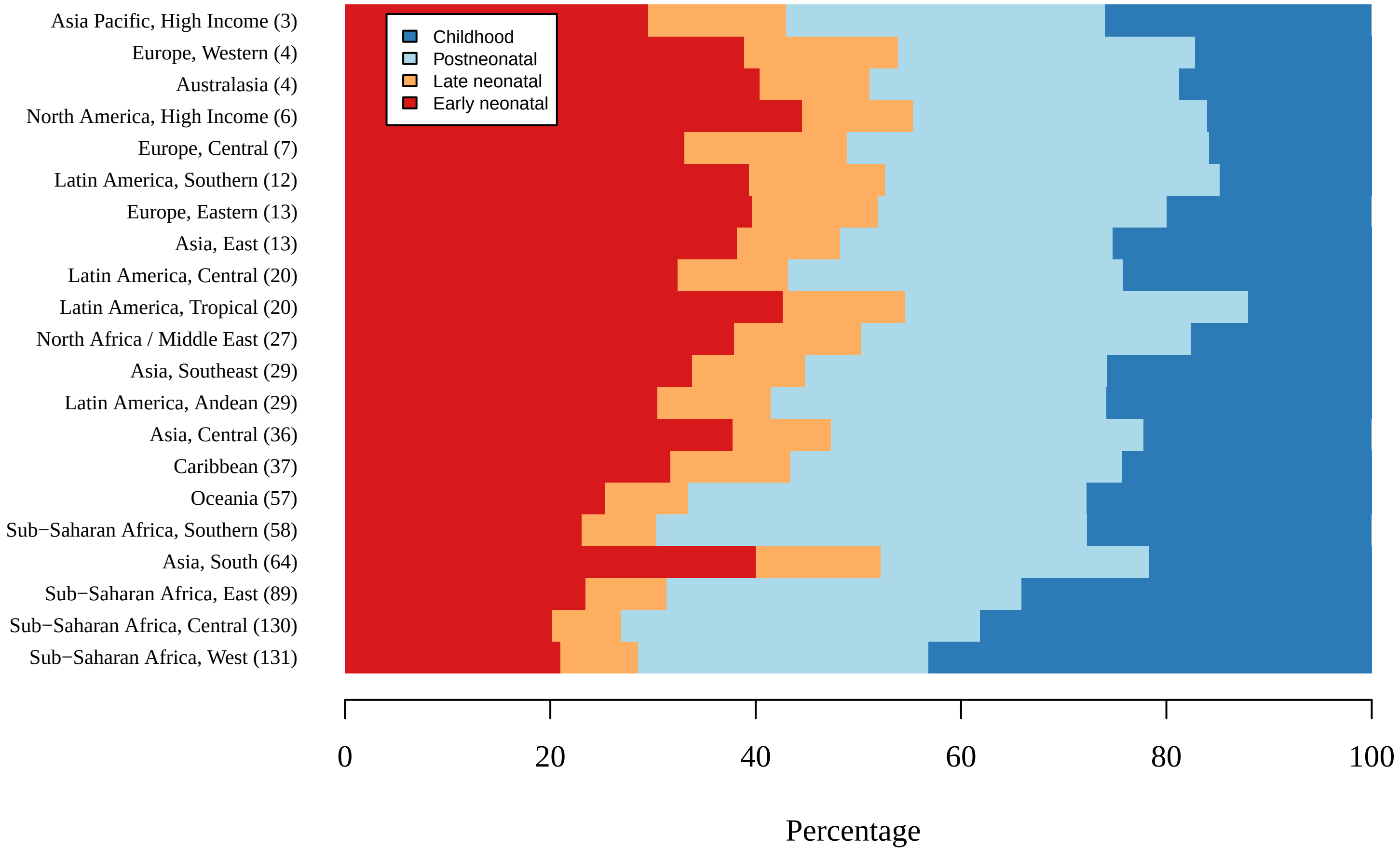


Figure 3.b. Age Distribution of Under−5 Deaths by GBD Region in 2011



Web Table 11a. Maternal Mortality Ration (MMR) and annual rate of change comparing different sources, 1990 to 2011

MMR	IHME 2011	IHME 2010	UN 2010	UN 2007
1990	297.76	319.73	400	430
1995	301.05	313.73	370	400
2000	294.33	313.07	340	400
2005	263.78	286.93	290	402
2008	235.03	251.36	260	
2011	203.65			
Annual change	**IHME 2011**	**IHME 2010**	**UN 2010**	**UN 2007**
1990-2005	-0.8	-0.7	-2.1	-0.4
1990-2008	-1.3	-1.3	-2.4	
1990-2011	-1.8			

Web Table 11b. Maternal deaths and annual rate of change comparing different sources, 1990 to 2011

Maternal deaths	IHME 2011	IHME 2010	UN 2010	UN 2007
1990	409,053	441,500	545,282	585,000
1995	405,473	422,071	494,828	514,000
2000	393,831	417,234	450,581	529,000
2005	347,142	387,185	391,699	535,900
2008	311,650	342,930	357,690	
2011	273,465			
Annual change	**IHME 2011**	**IHME 2010**	**UN 2010**	**UN 2007**
1990-2005	-1.1	-0.9	-2.2	-0.6
1990-2008	-1.5	-1.4	-2.3	
1990-2011	-1.9			

Sources

IHME 2010- Margaret C Hogan et al., "Maternal mortality for 181 countries, 1980-2008: a systematic analysis of progress towards Millennium Development Goal 5," The Lancet 375, no. 9726 (May 8, 2010): 1609-1623.

UN 2010- World Health Organization et al., Trends in maternal mortality: 1990 to 2008 (Geneva: World Health Organization, 2010).

UN 2007- Kenneth Hill et al., "Estimates of maternal mortality worldwide between 1990 and 2005: an assessment of available data," The Lancet 370, no. 9595 (October 13, 2007): 1311-1319.

Web Table 12A: Child Mortality Rate and Annual Decline from 1990 to 2011 comparing different sources					
Year	**IHME 2011**	**IHME 2010**	**UNICEF 2010**	**UNICEF 2009**	**UN WPP2008**
1990	84.11	80.98	89.00	90.00	
1995	78.62	75.66	86.00		
2000	69.86	67.42	77.00	78.00	
2005	60.73	59.28	67.00		
2008	56.21	55.40	62.00	65.00	70.37
2011	52.76				
Annual decline	**IHME 2011**	**IHME 2010**	**UNICEF 2010**	**UNICEF 2009**	**UN 2008**
1990-2005	2.17	2.08	1.89		
1990-2008	2.24	2.11	2.01	1.81	
1990-2011	2.23				

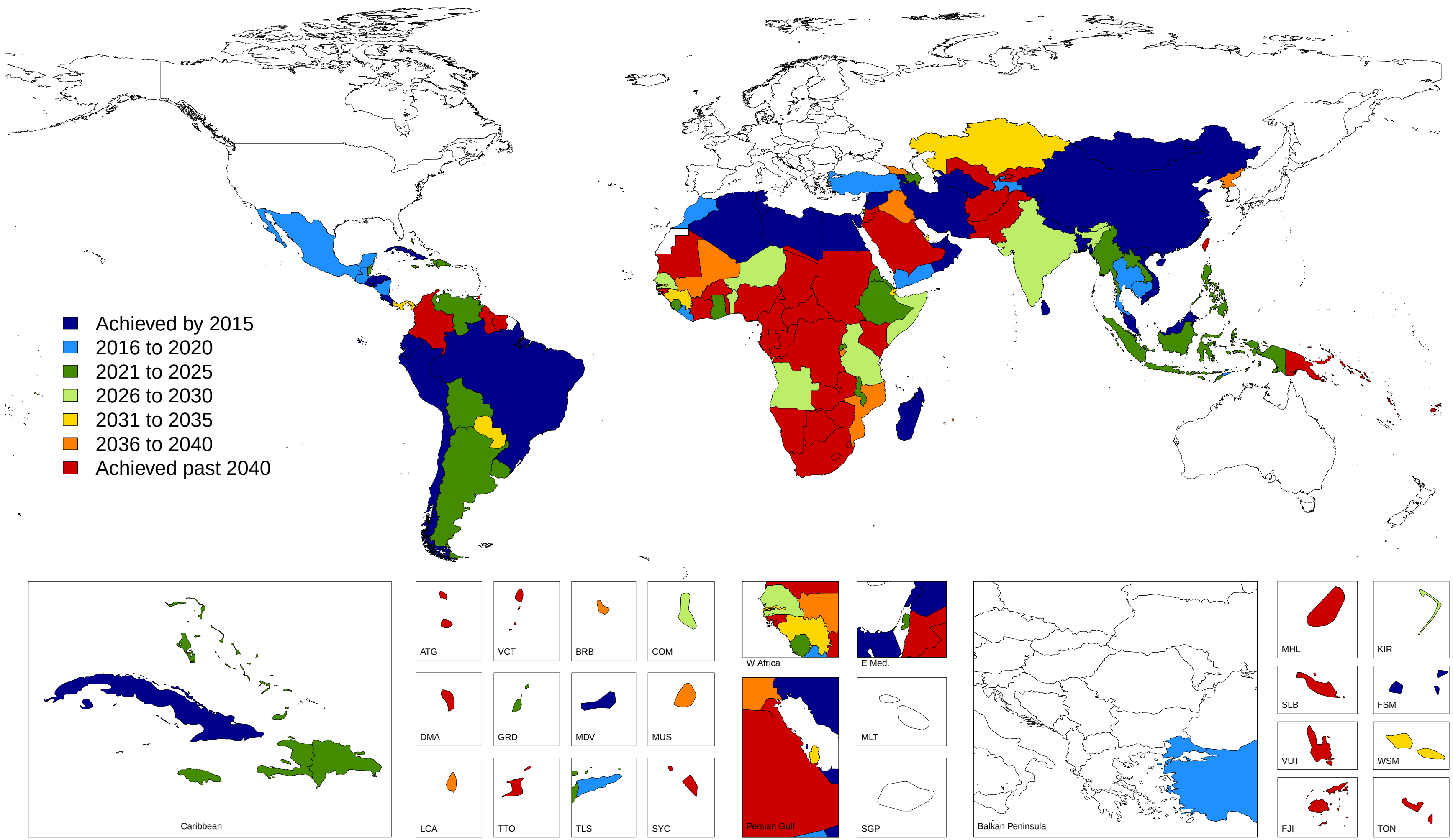
Sources:
UNICEF 2010: http://www.childinfo.org/mortality_ufmrcountrydata.php

UNICEF 2009: Calculated using UNICEF methodology

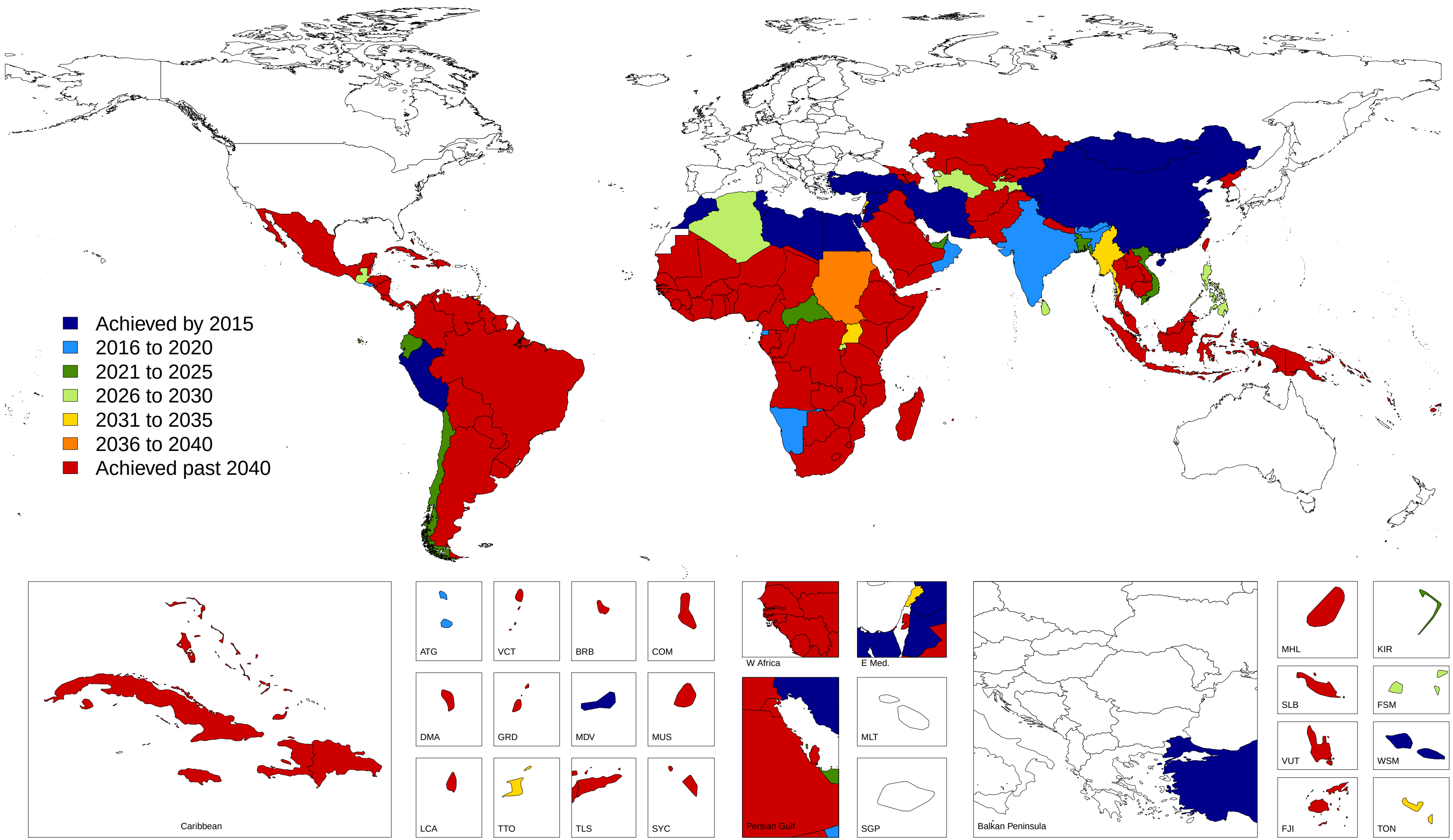
Web Table 12B: Under-5 Deaths From 1990 to 2011 (in thousands) comparing different sources						
Year	**IHME 2011**	**IHME 2010**	**UNICEF 2010**	**UNICEF 2009**	**UN WPP2010**	**UN WPP2008**
1990	11644.1	11861.7	12393.0	12467.2		
1995	10689.1	10855.5	11373.0	11444.6		
2000	9332.4	9576.7	10169.0	10432.1		
2005	8119.7	8440.0	8973.0	9378.3		
2008	7580.3	7950.7	8299.0	8772.0	8787.4	9592.4
2011	7177.4					
Annual decline	**IHME 2011**	**IHME 2010**	**UNICEF 2010**	**UNICEF 2009**	**UN 2010**	**UN 2008**
1990-2005	2.4	2.3	2.2	1.9		
1990-2008	2.4	2.2	2.2	2.0		
1990-2011	2.3					

Sources:
UNICEF 2010: http://www.childinfo.org/mortality.html
UNICEF 2009: http://www.childinfo.org/sowc_interactive_site/downloads/sowc_statistical_tables.pdf for 2008

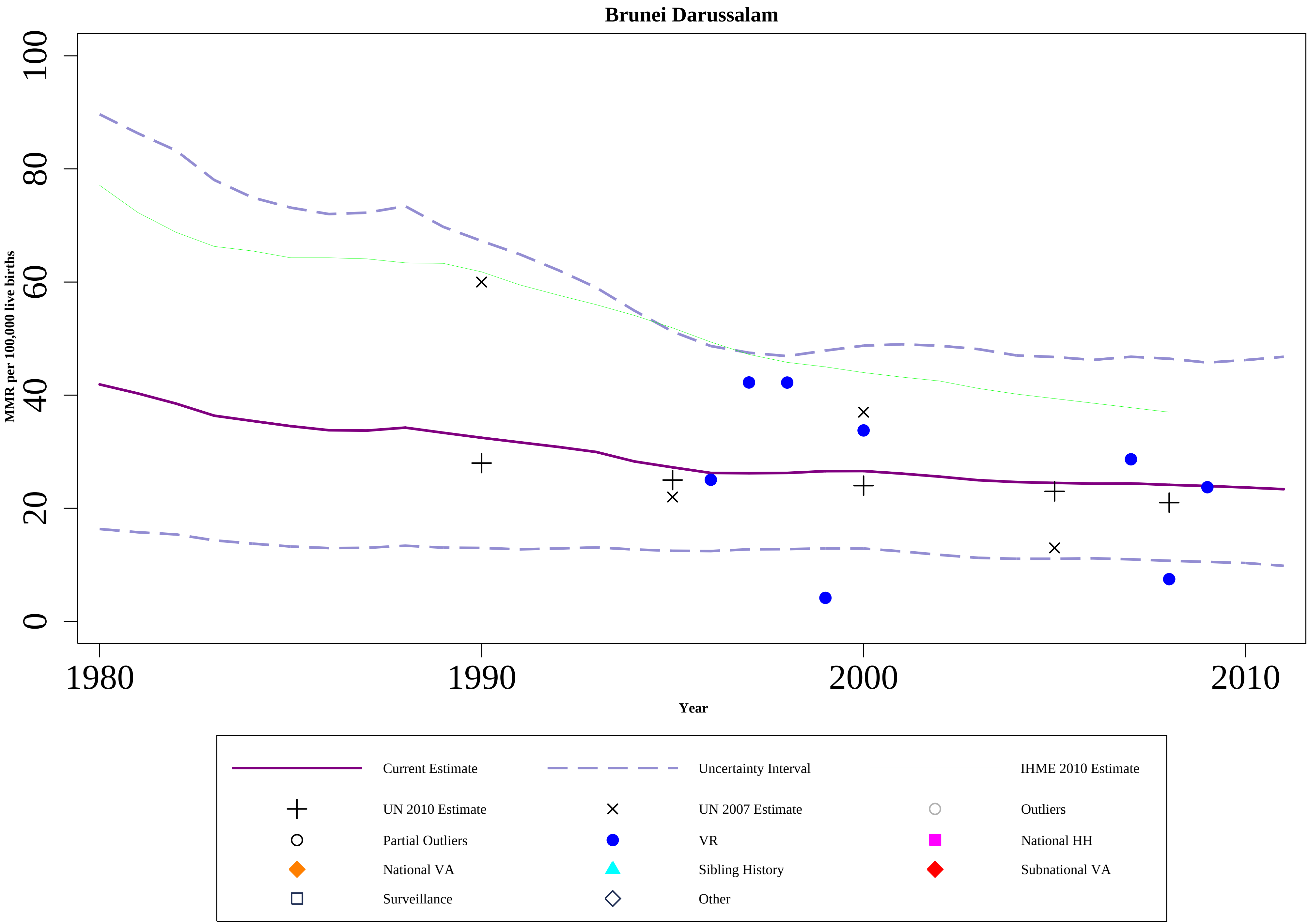
Web Figure 4a. MDG 4 attainment year based on annualized rates of change, 1990 to 2011

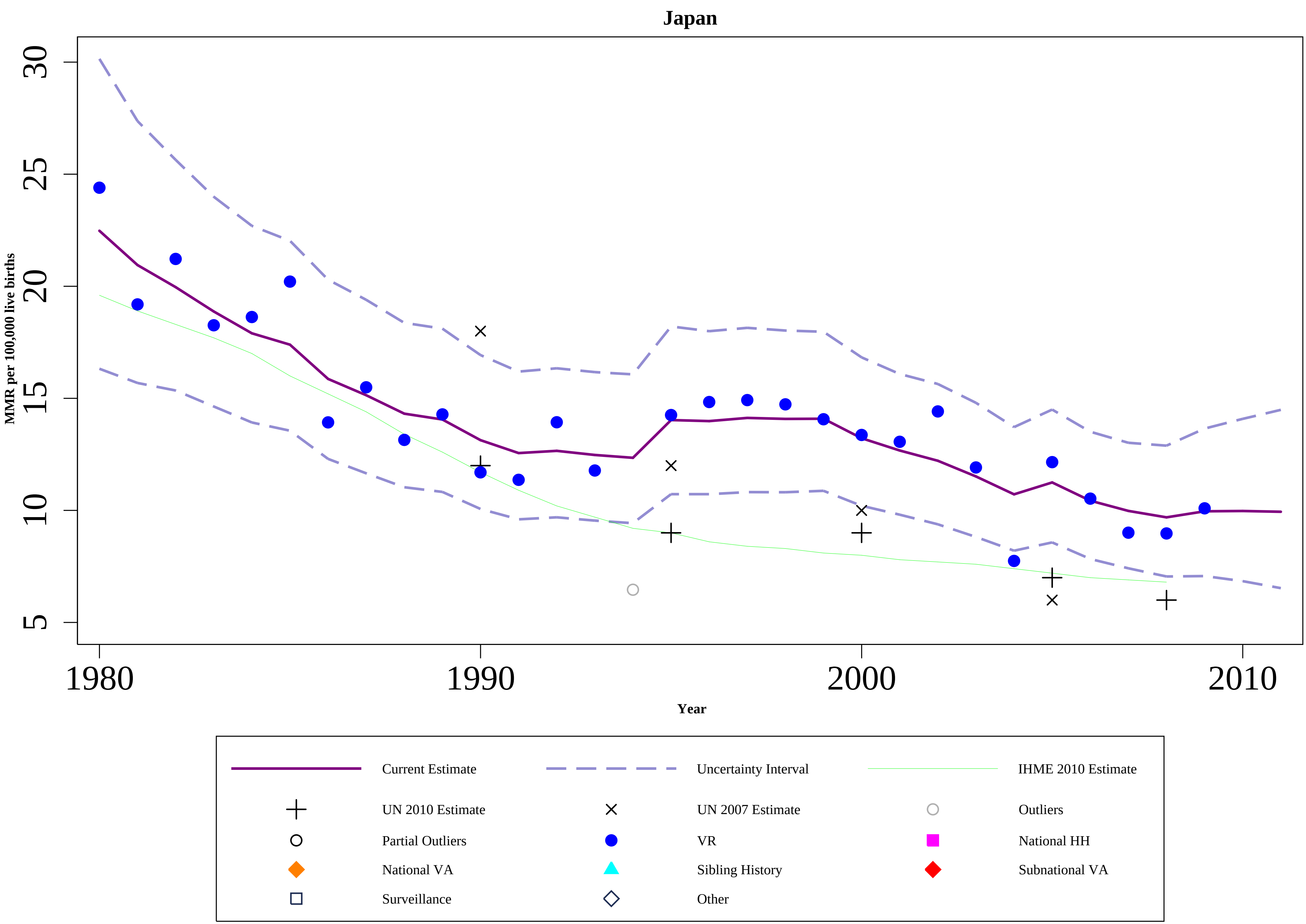


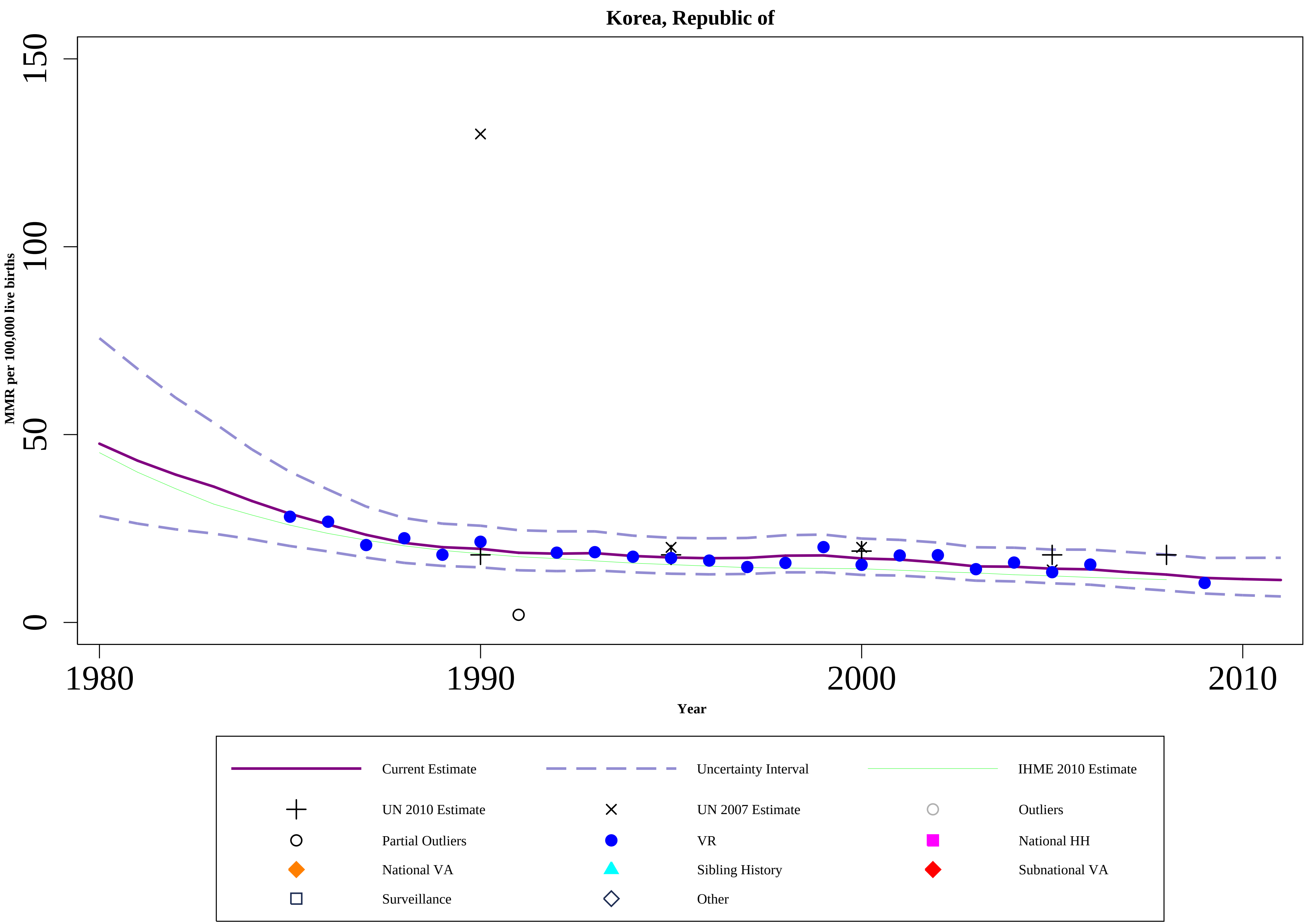
Web Figure 4b. MDG 5 attainment year based on annualized rates of change, 1990 to 2011

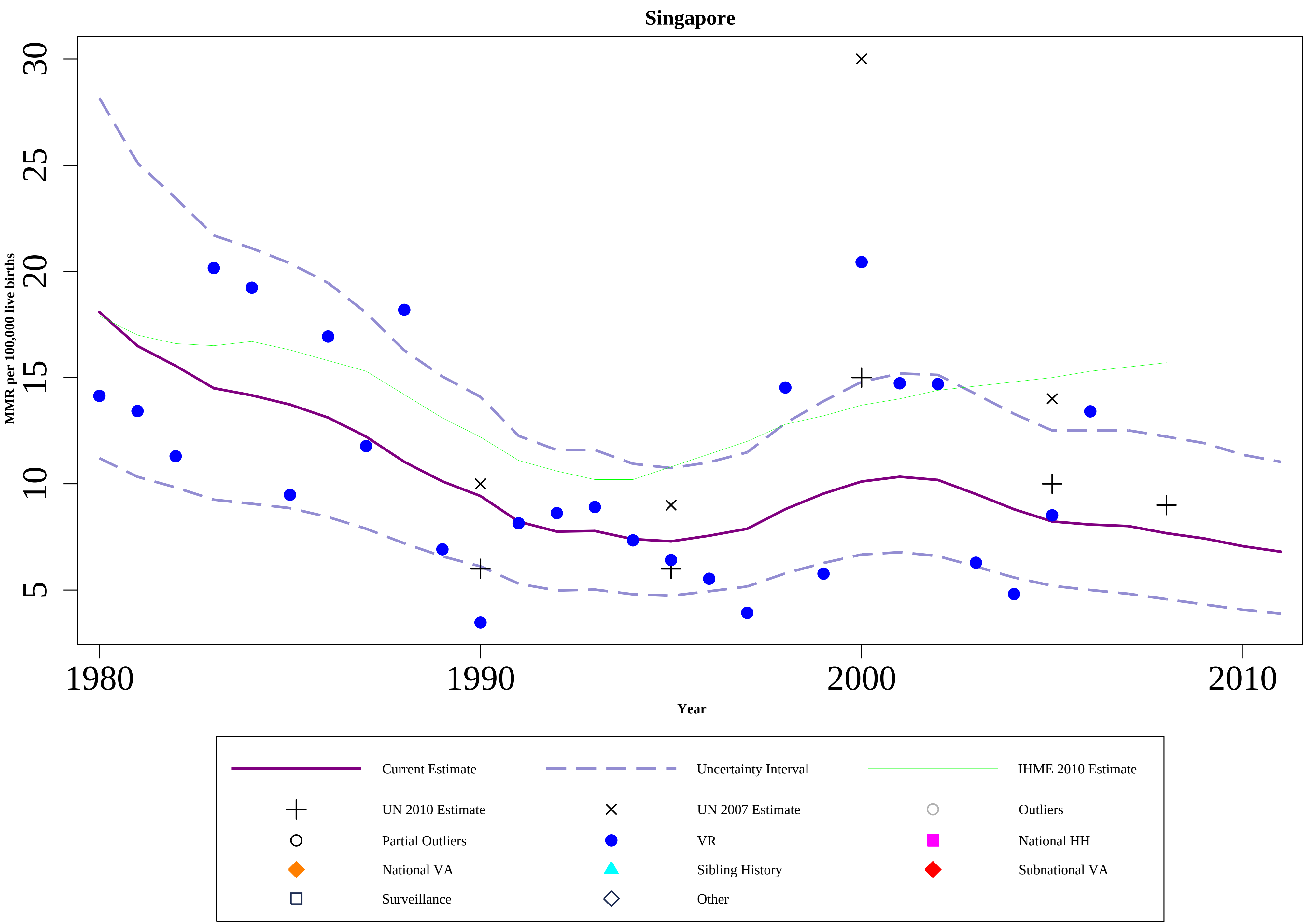


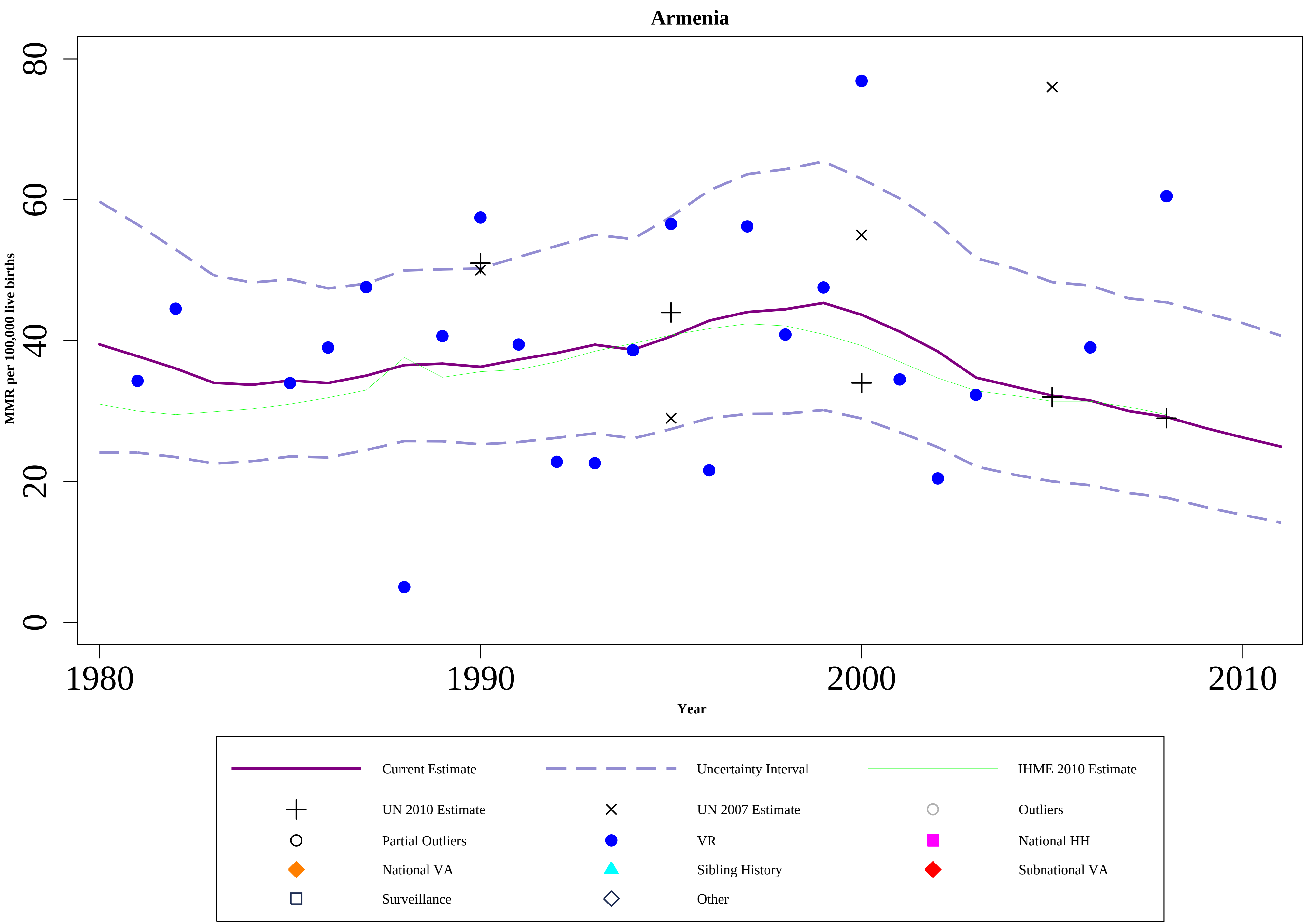
Web Figure 4. Maternal Mortality Ratio (MMR) country-level graphs comparing different sources, 1980 to 2011



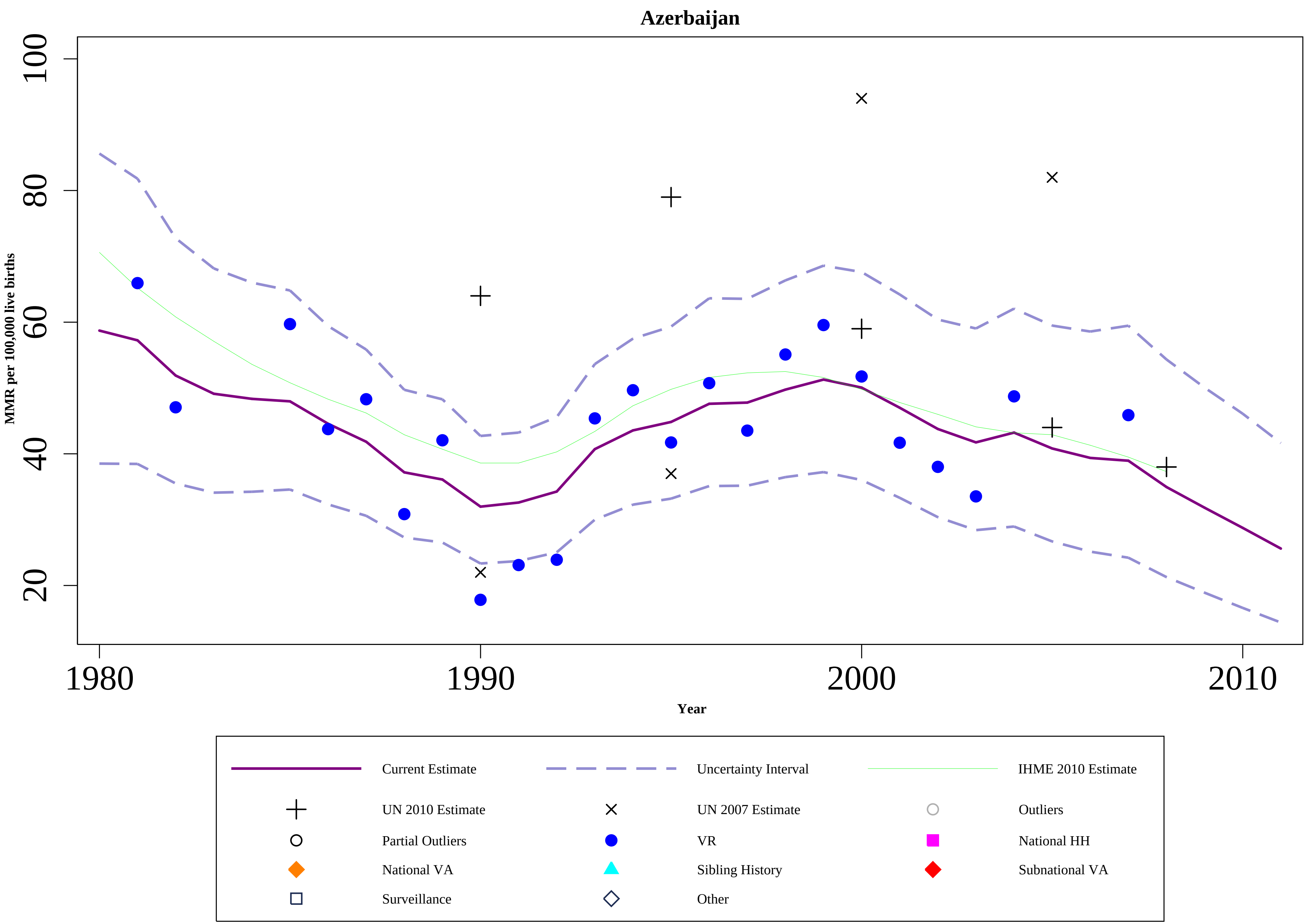

Japan
MMR per 100,000 live births
5
10
15
20
25
30
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Korea, Republic of
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other

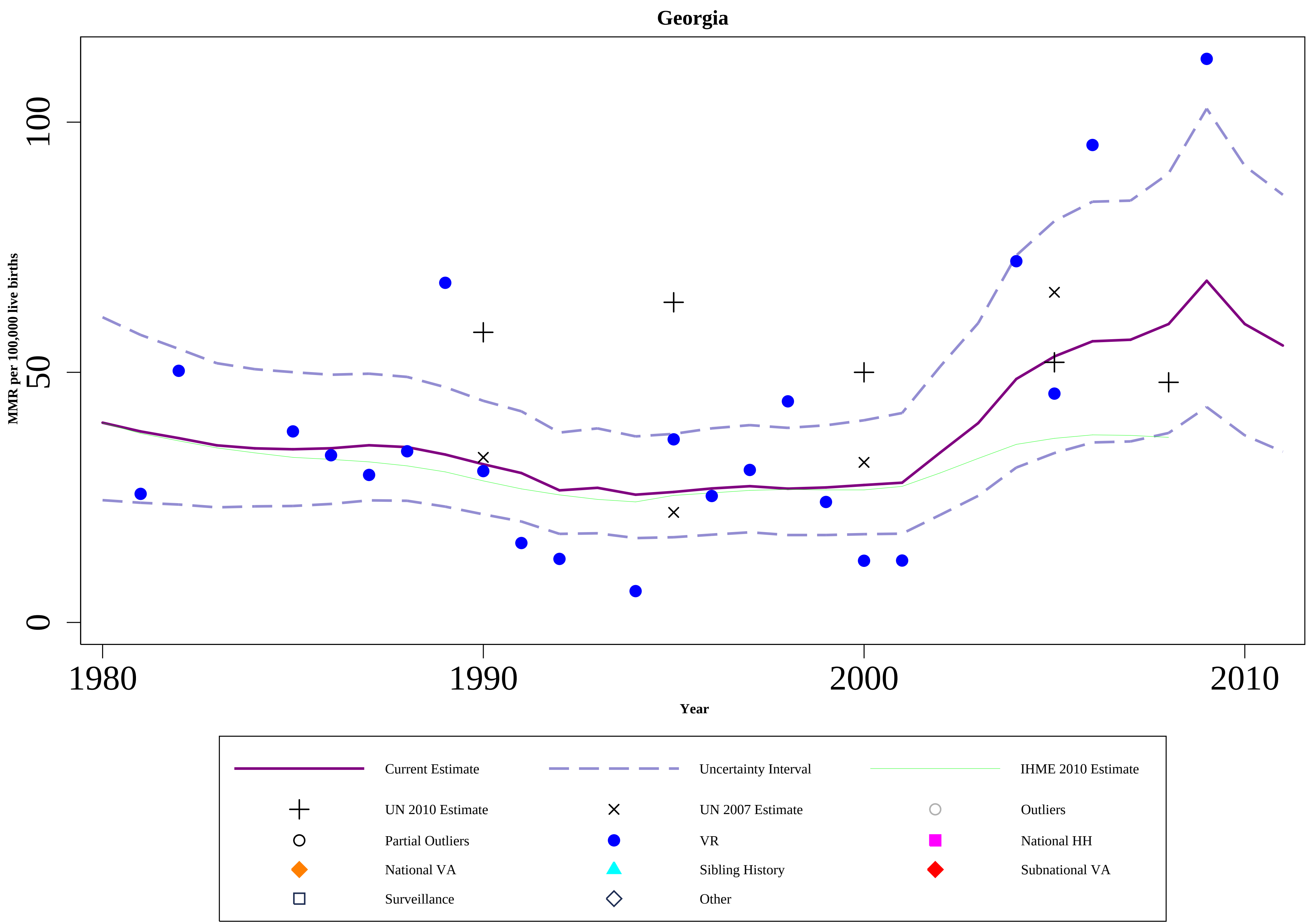

Singapore
MMR per 100,000 live births
30
25
20
15
10
5
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



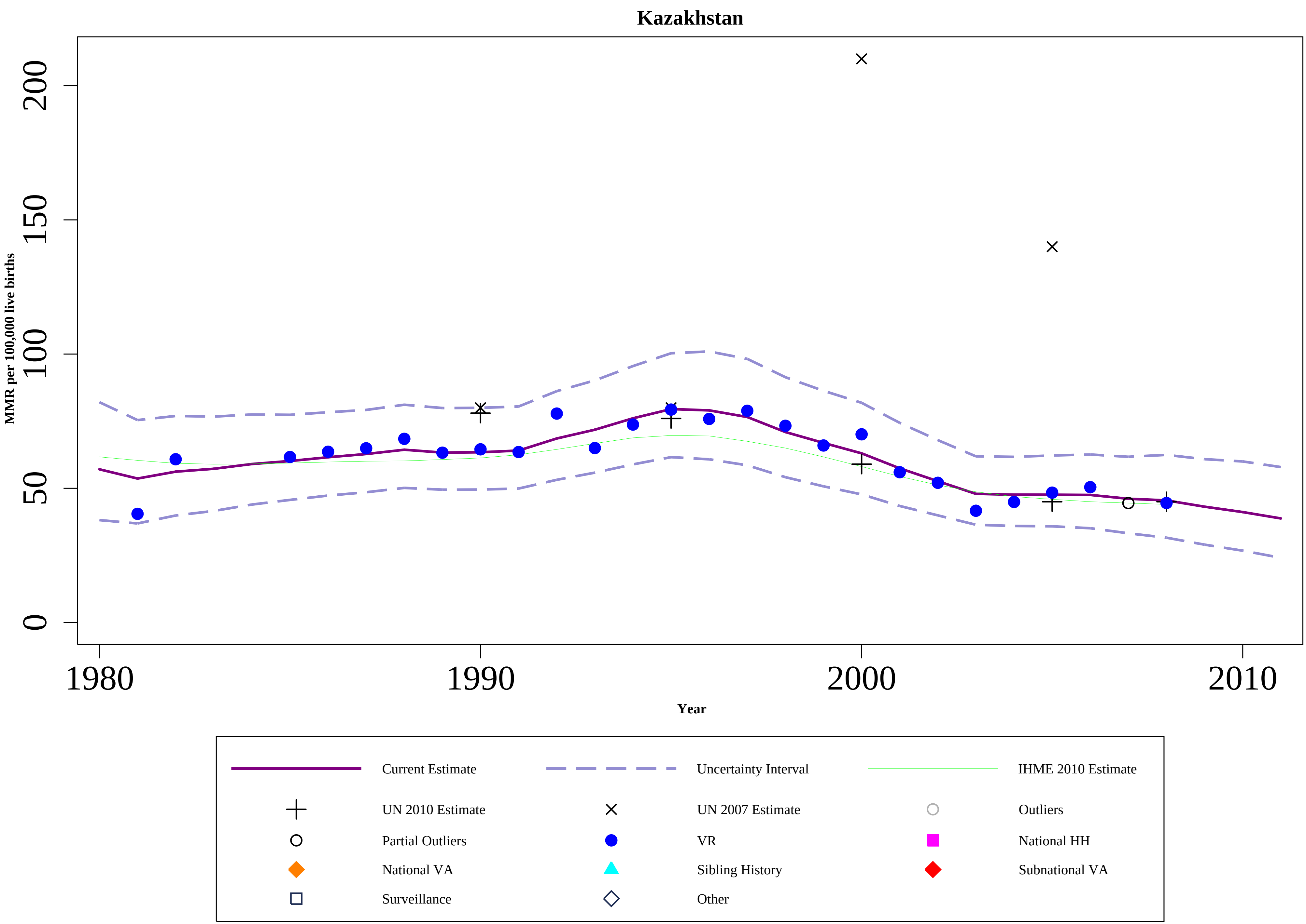
Armenia
MMR per 100,000 live births
0
20
40
60
80
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other

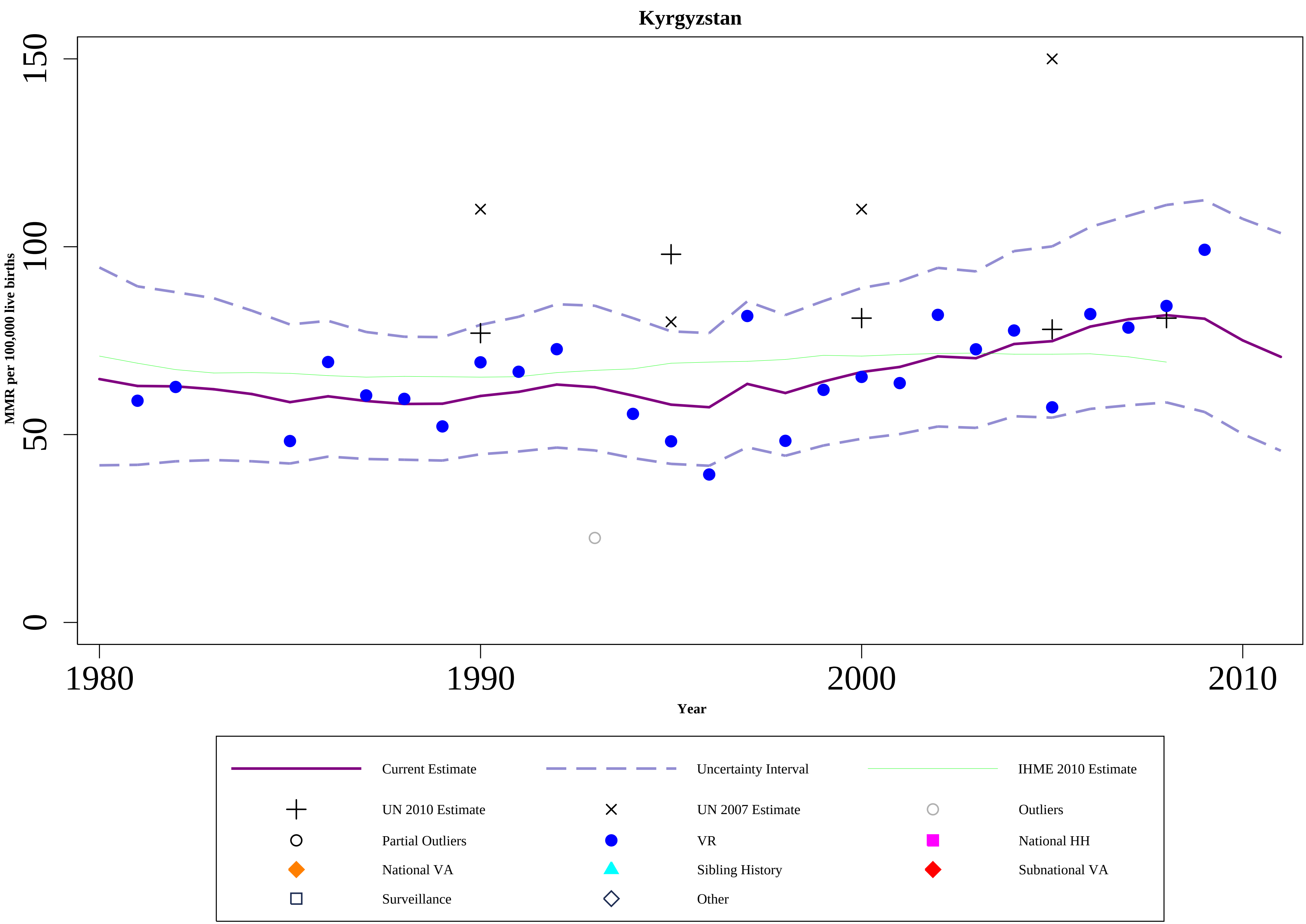


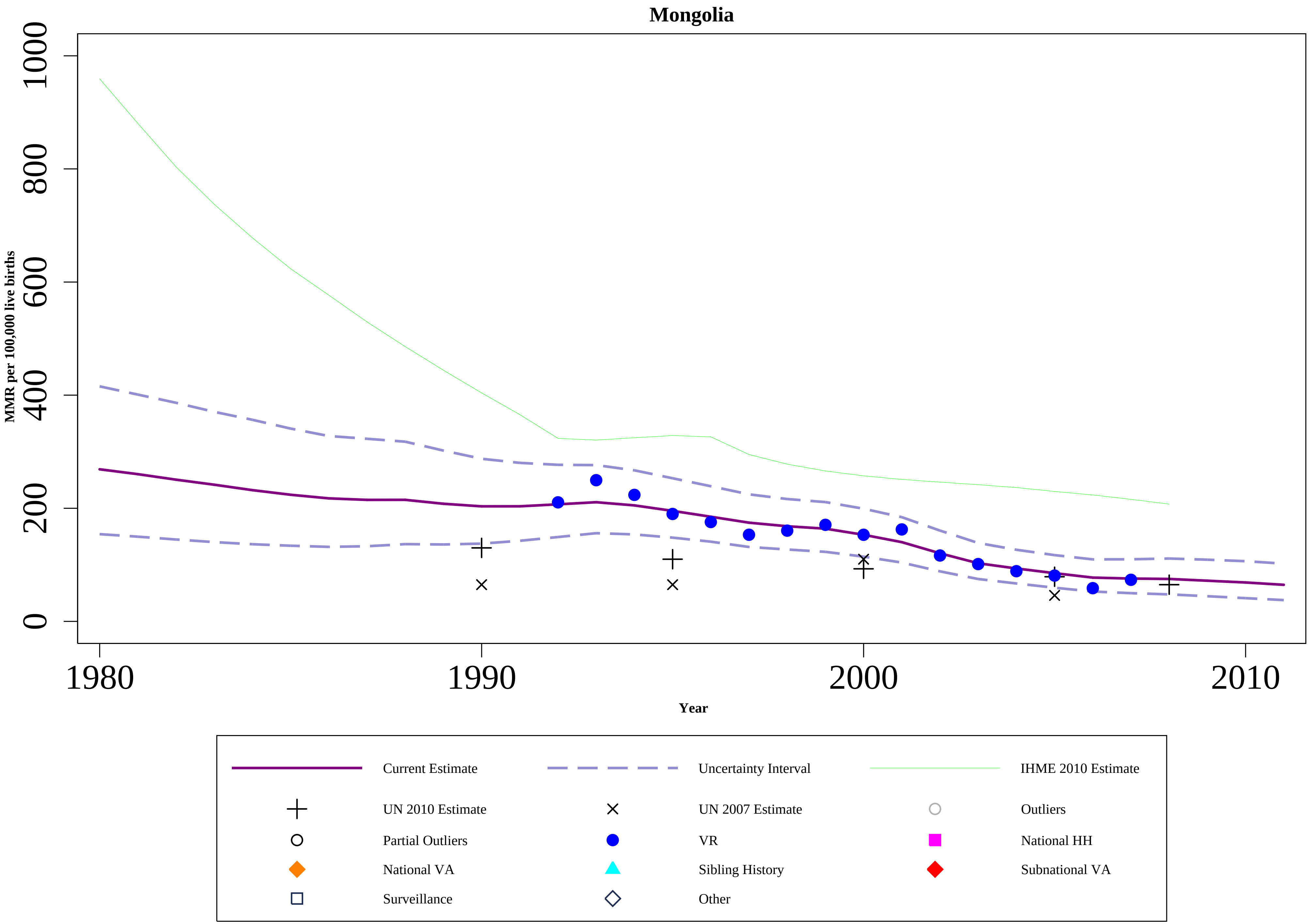
Azerbaijan
MMR per 100,000 live births
100
80
60
40
20
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other

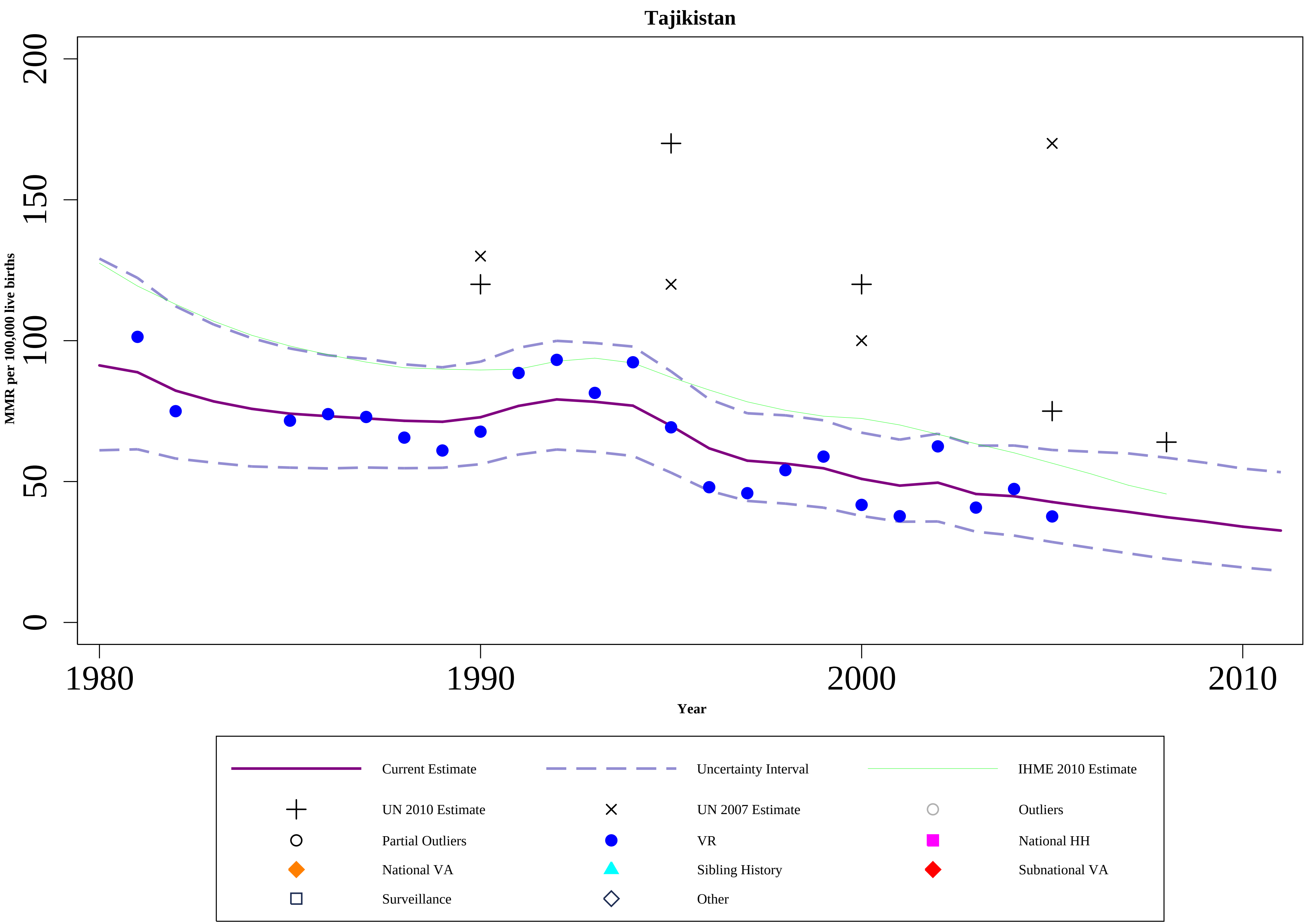


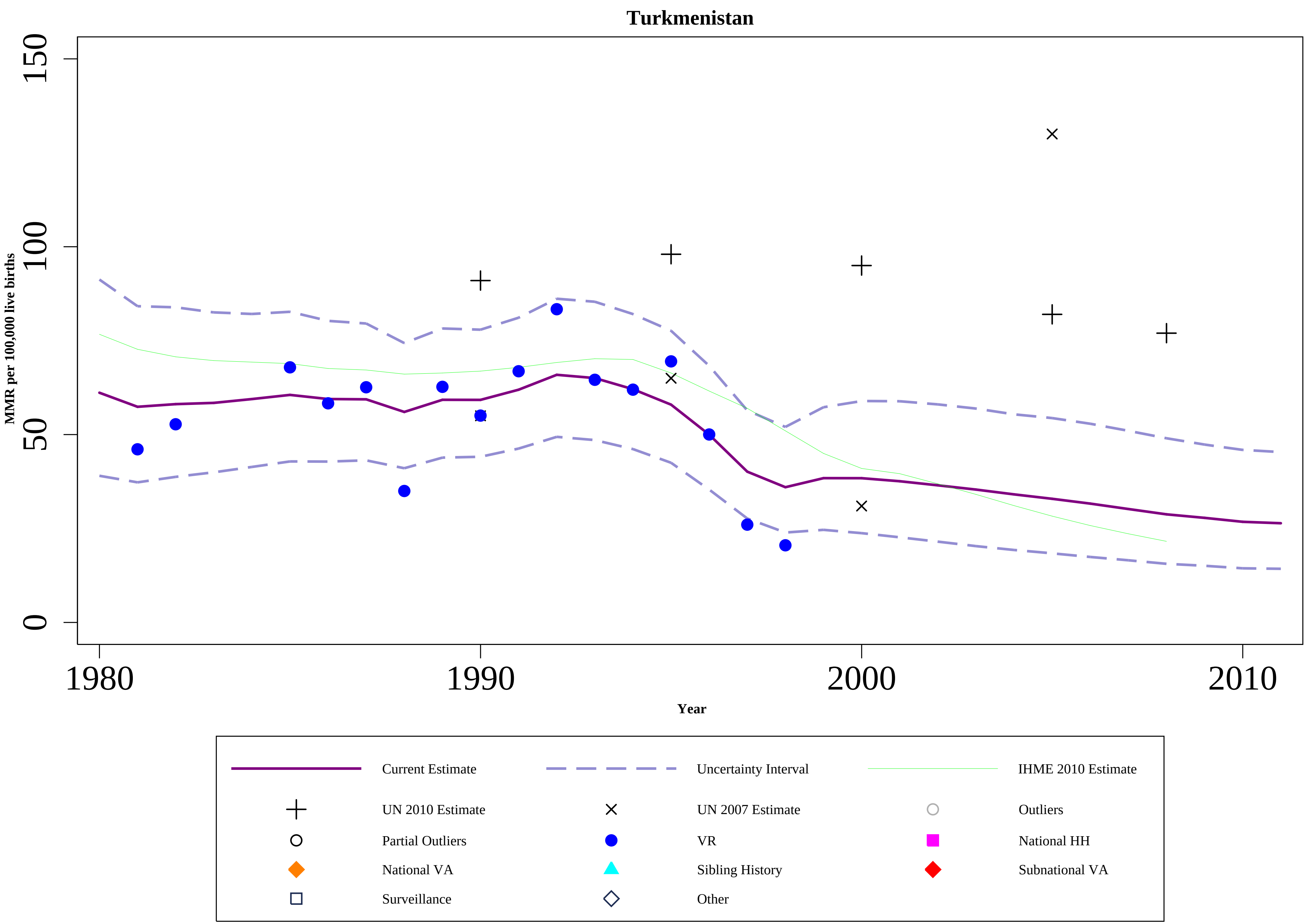
Georgia
MMR per 100,000 live births
0
50
100
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Kazakhstan
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Kyrgyzstan
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Mongolia
MMR per 100,000 live births
0
200
400
600
800
1000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Tajikistan
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Turkmenistan
MMR per 100,000 live births
150
100
50
0
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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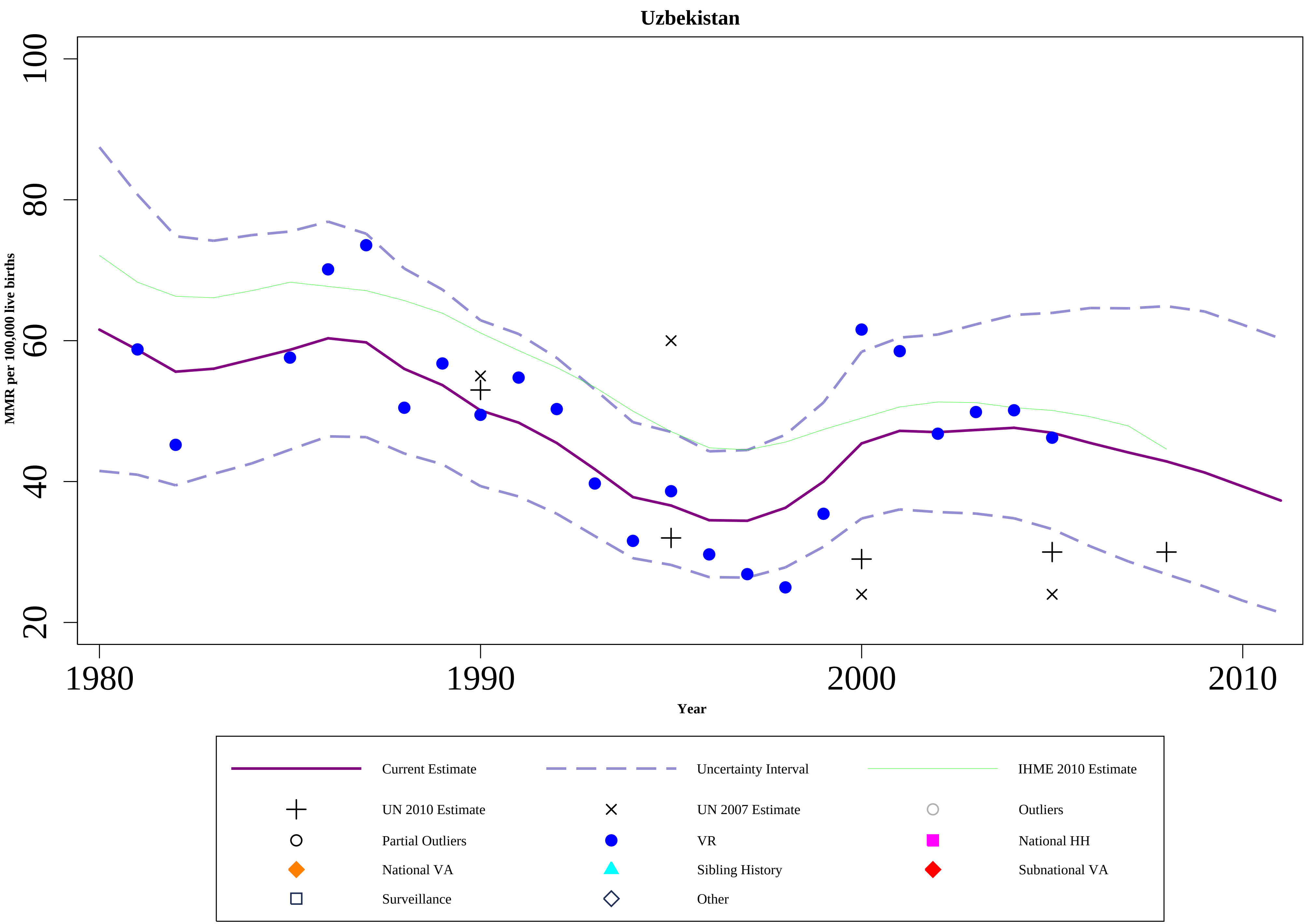
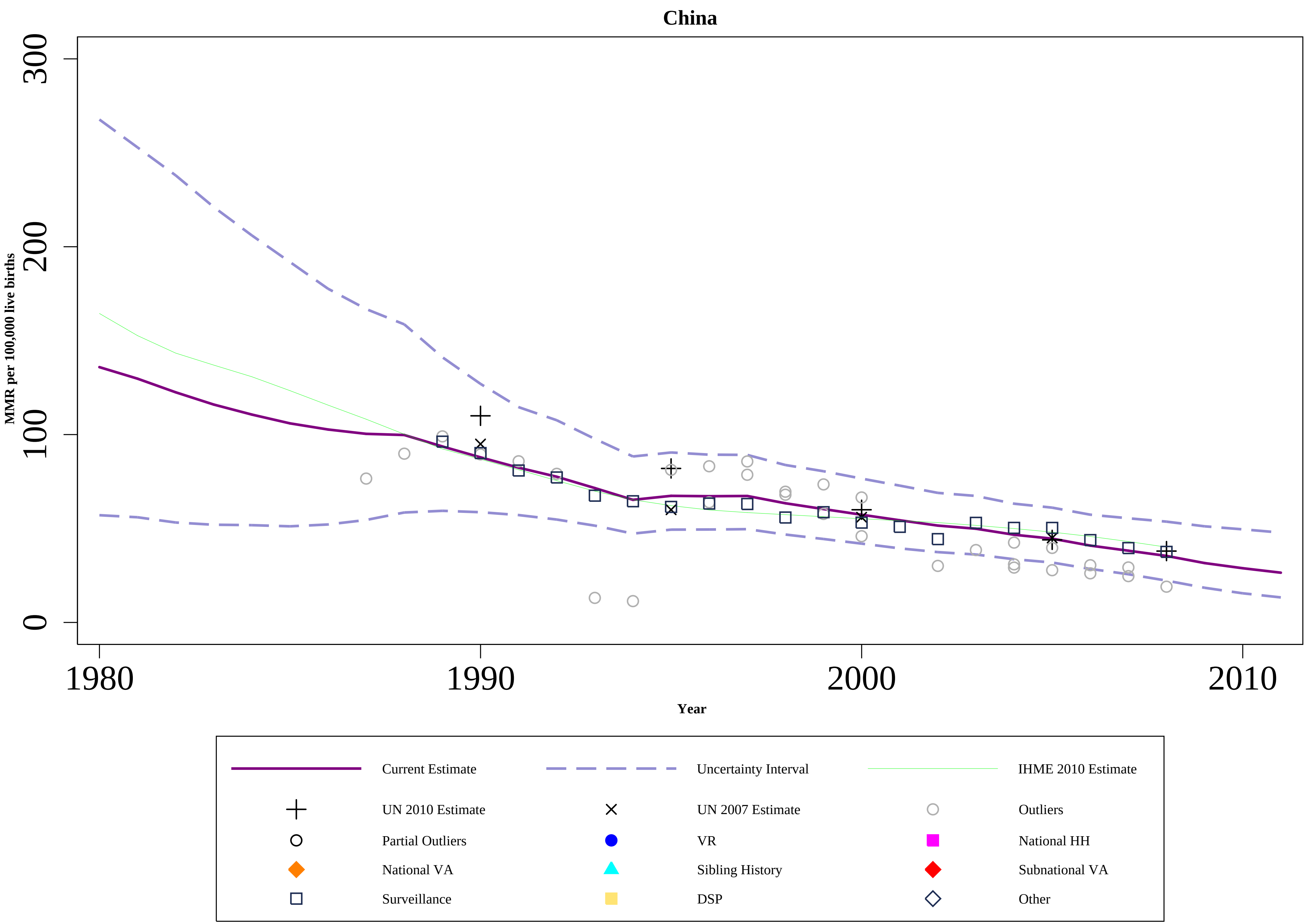
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Uzbekistan
MMR per 100,000 live births
20
40
60
80
100
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


China
MMR per 100,000 live births
300
200
100
0
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
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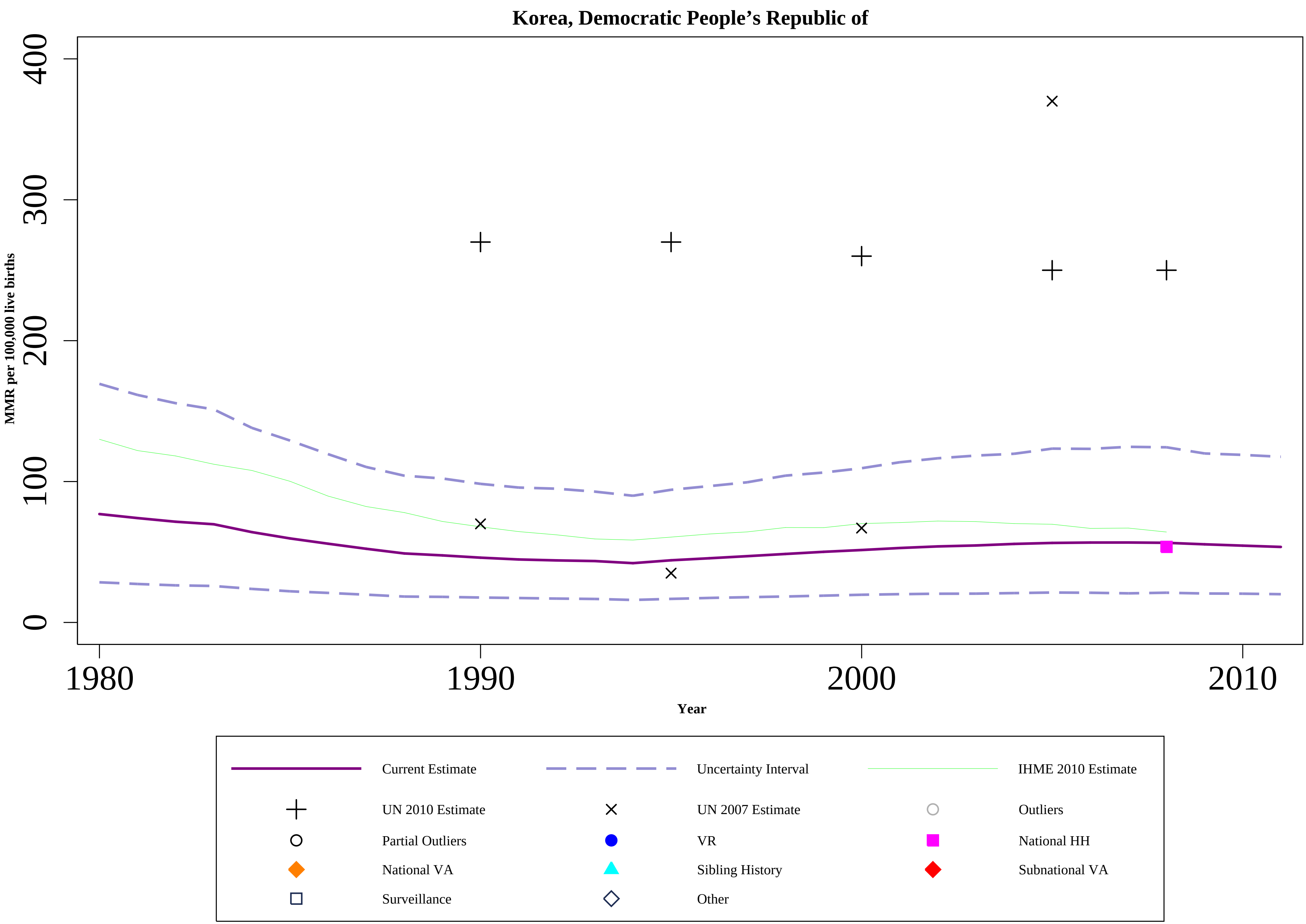
National HH
National VA
Sibling History
Subnational VA
Surveillance
DSP
Other


Korea, Democratic People's Republic of
MMR per 100,000 live births
0
100
200
300
400
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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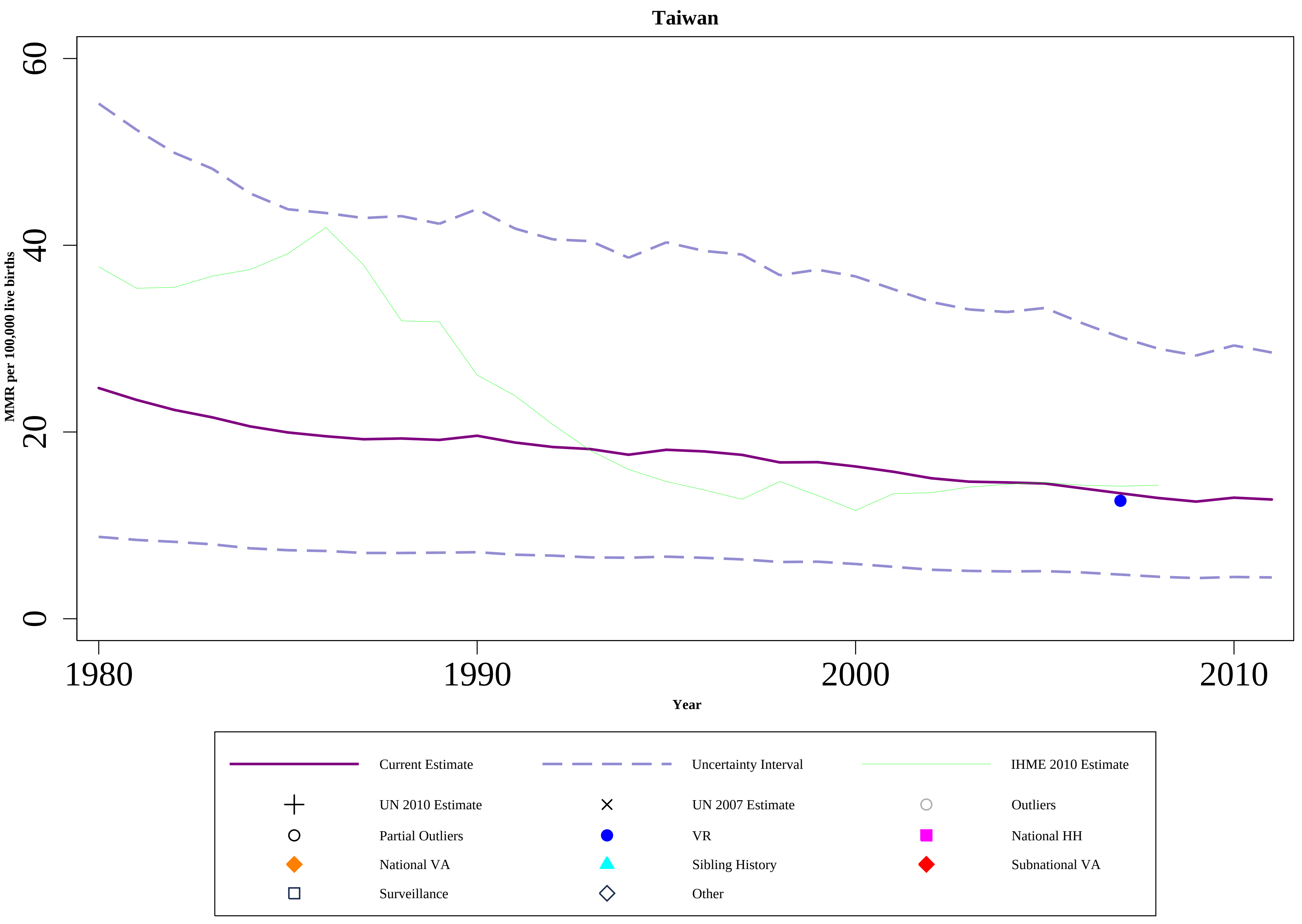
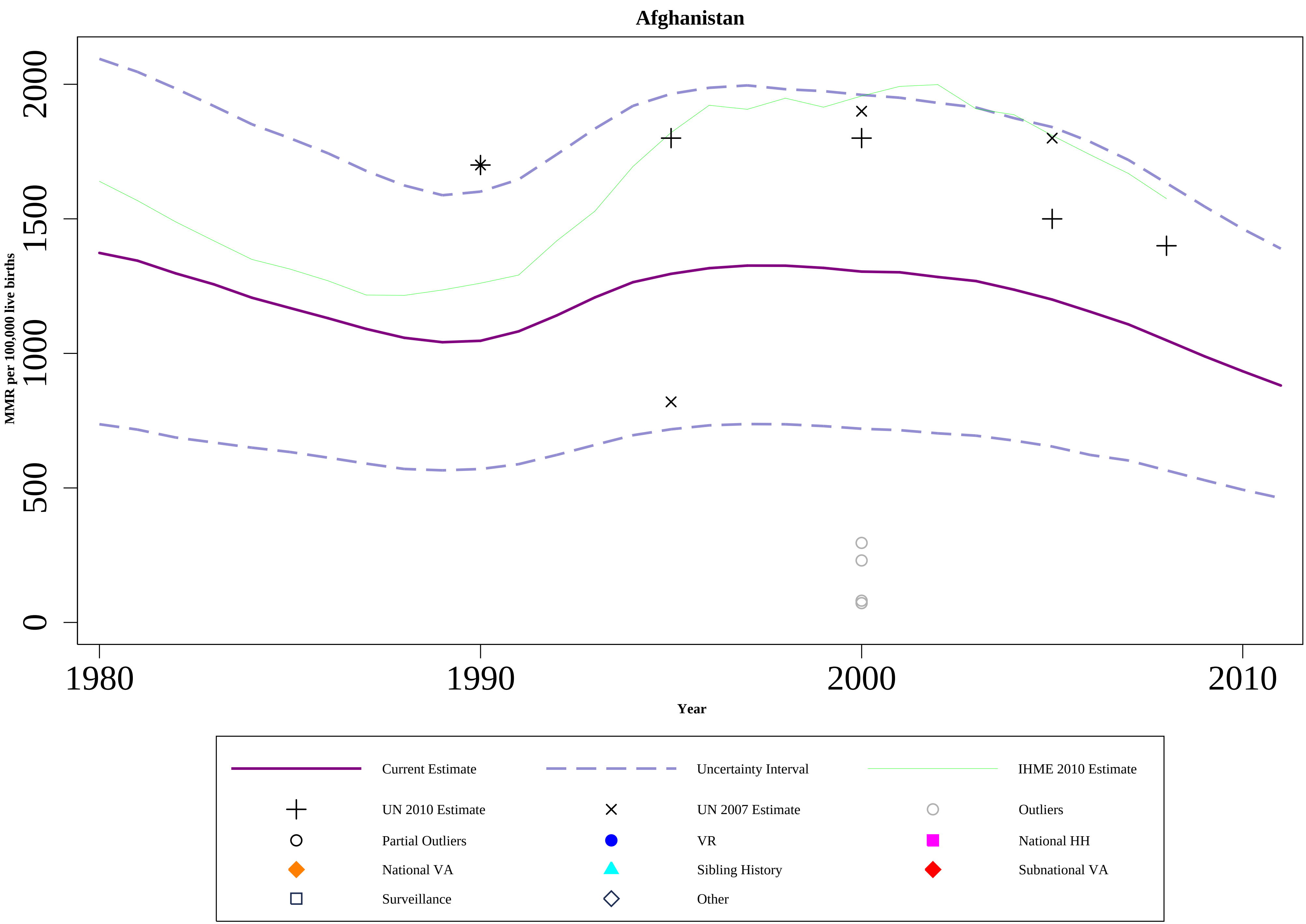
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Taiwan
MMR per 100,000 live births
0
20
40
60
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Afghanistan
MMR per 100,000 live births
0
500
1000
1500
2000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
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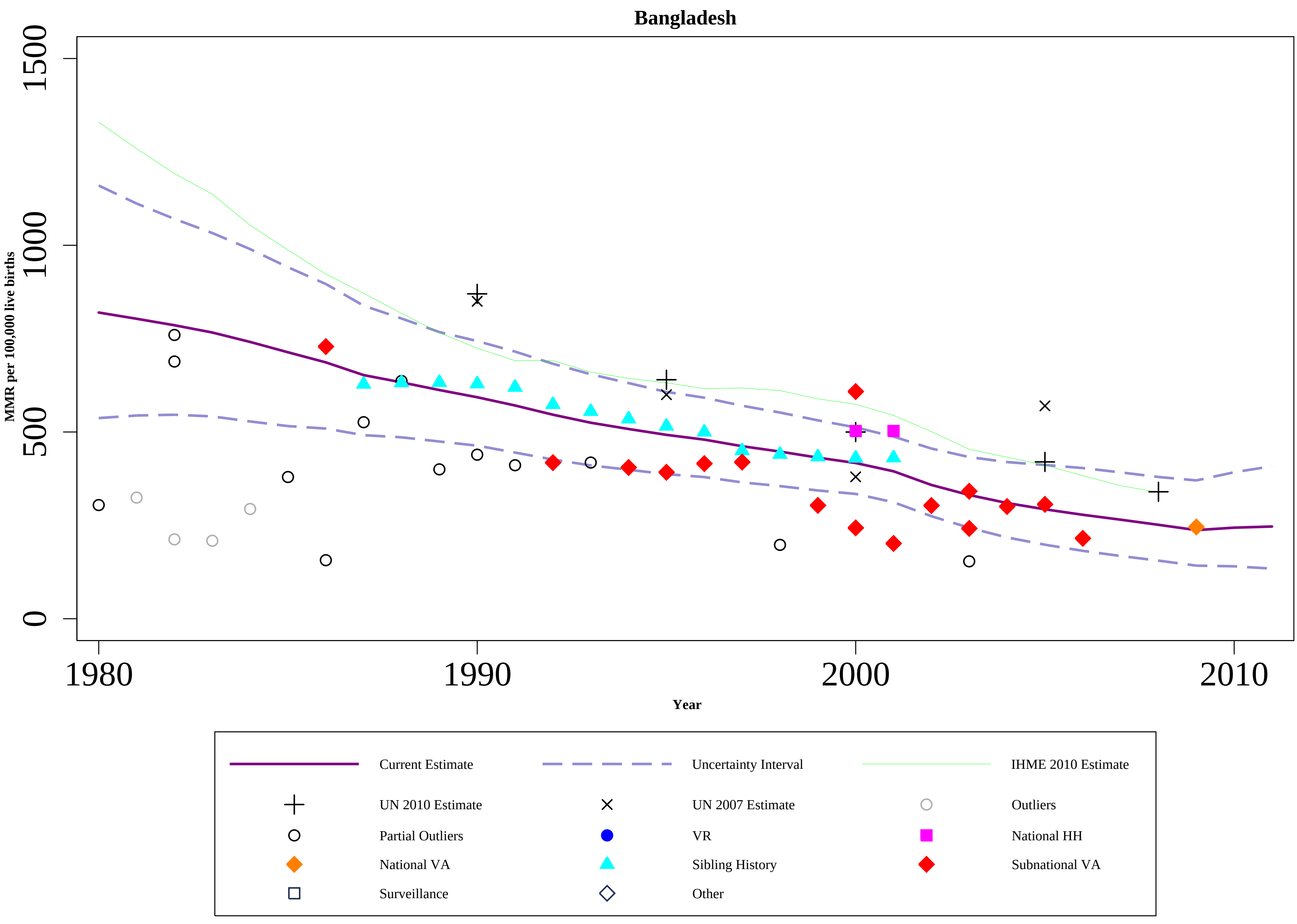
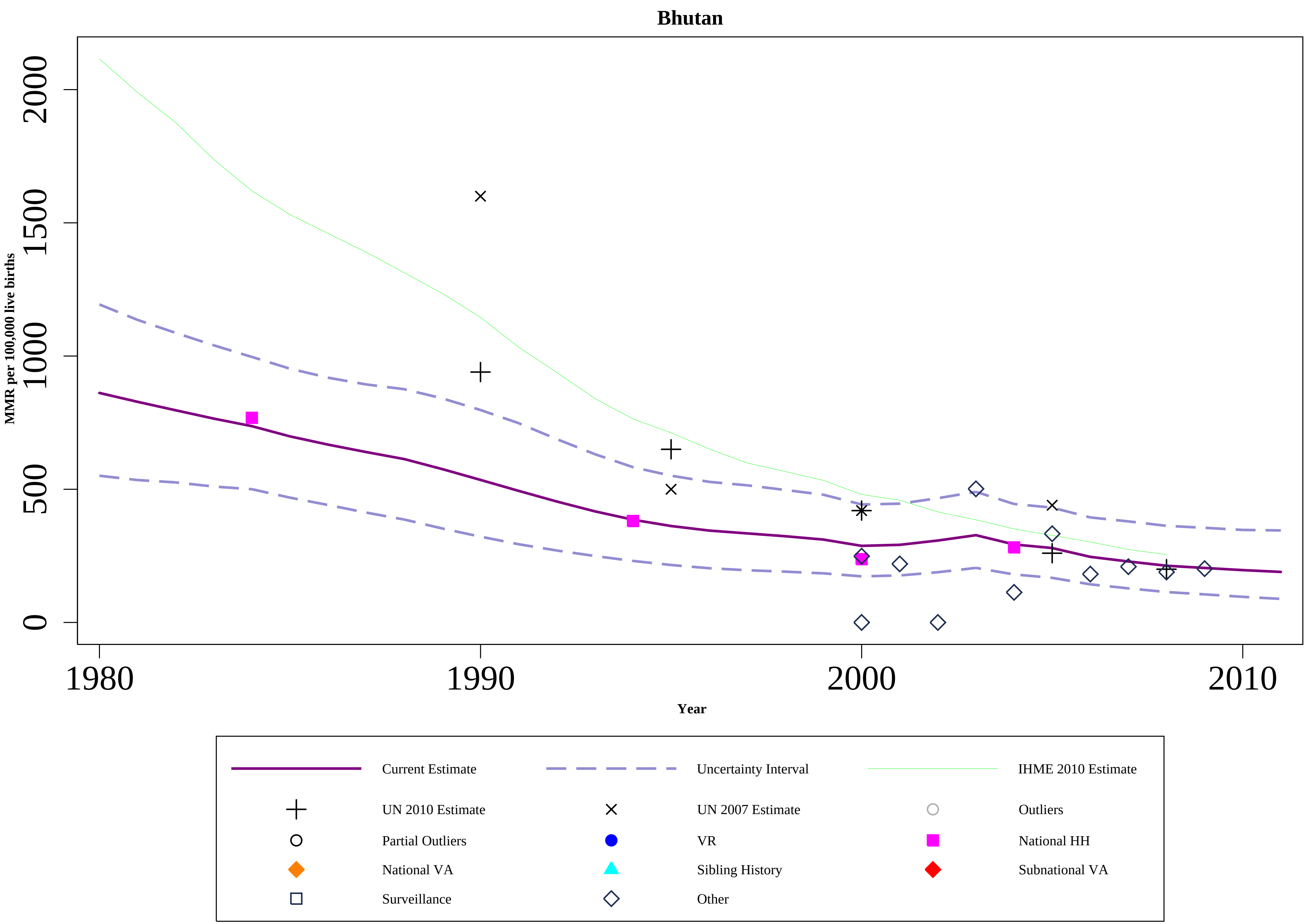
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Bangladesh
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Bhutan
MMR per 100,000 live births
0
500
1000
1500
2000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
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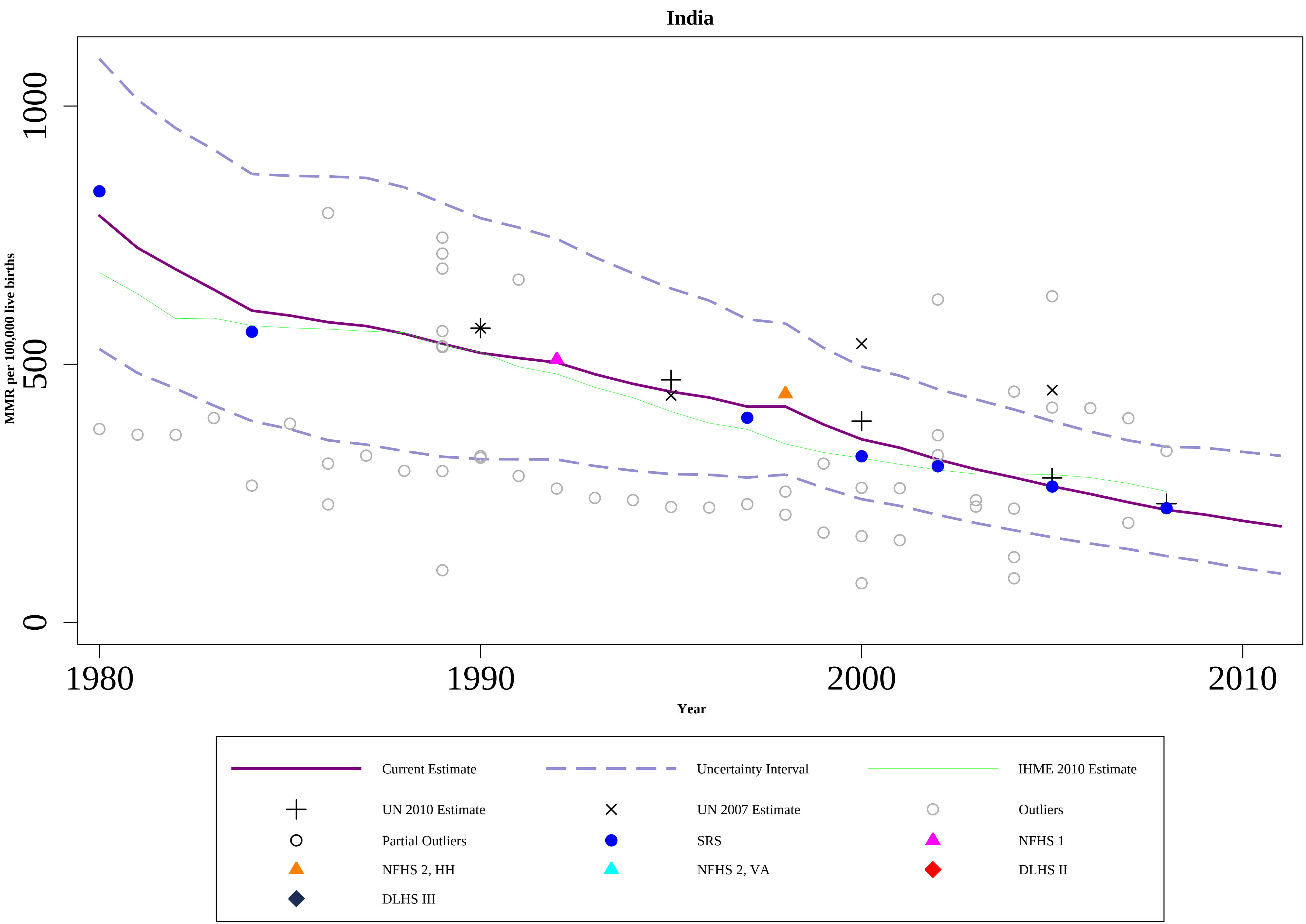
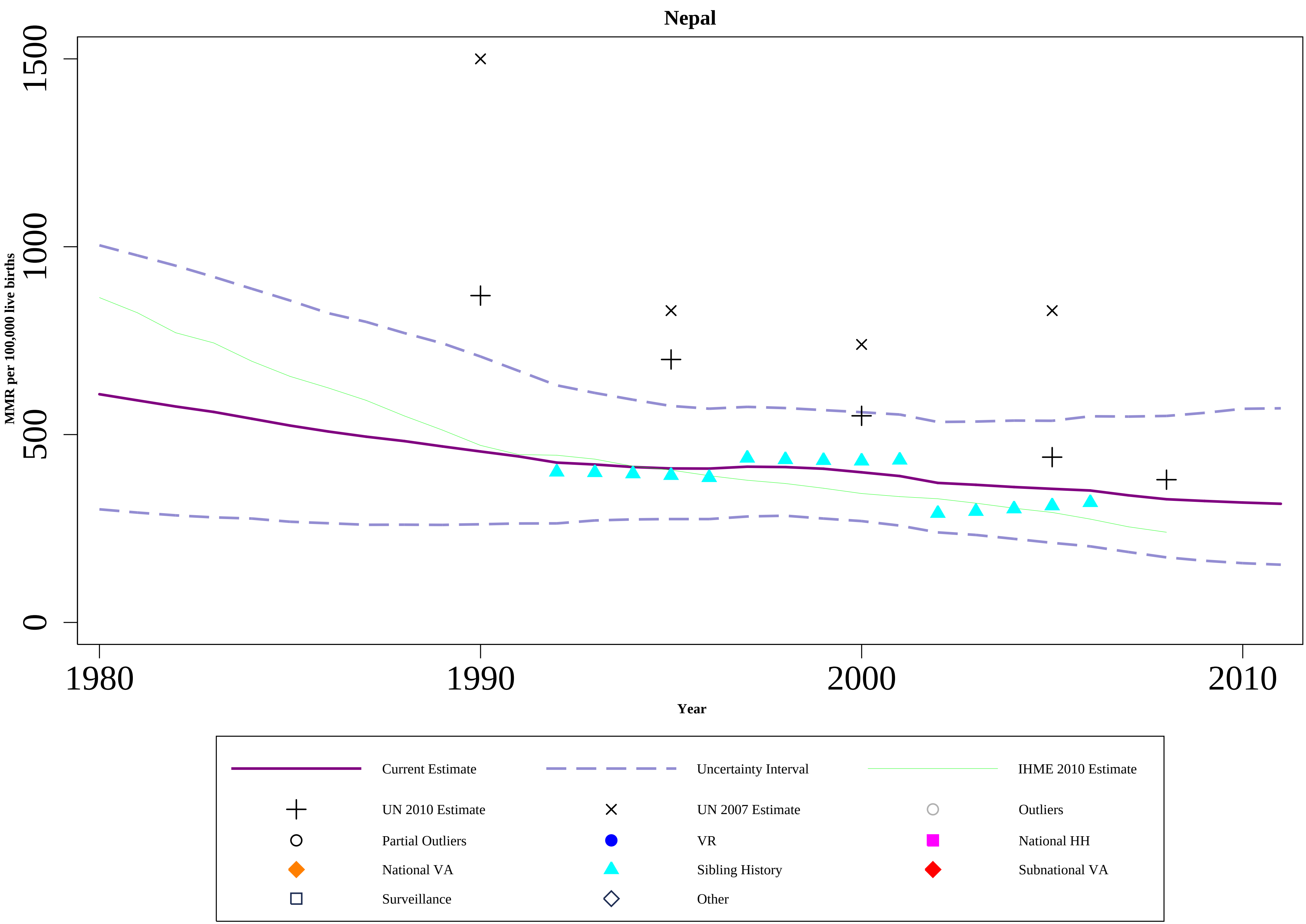
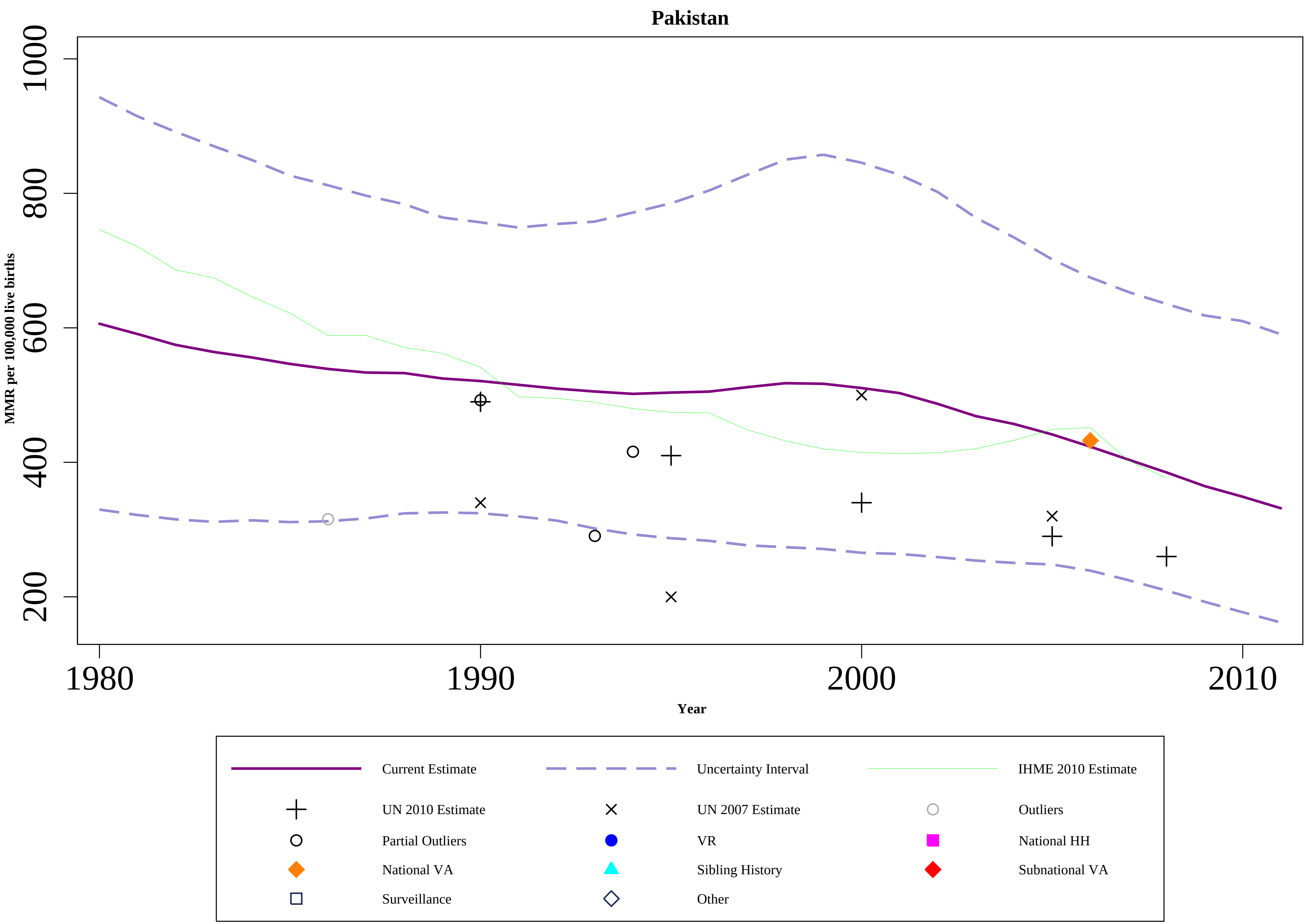
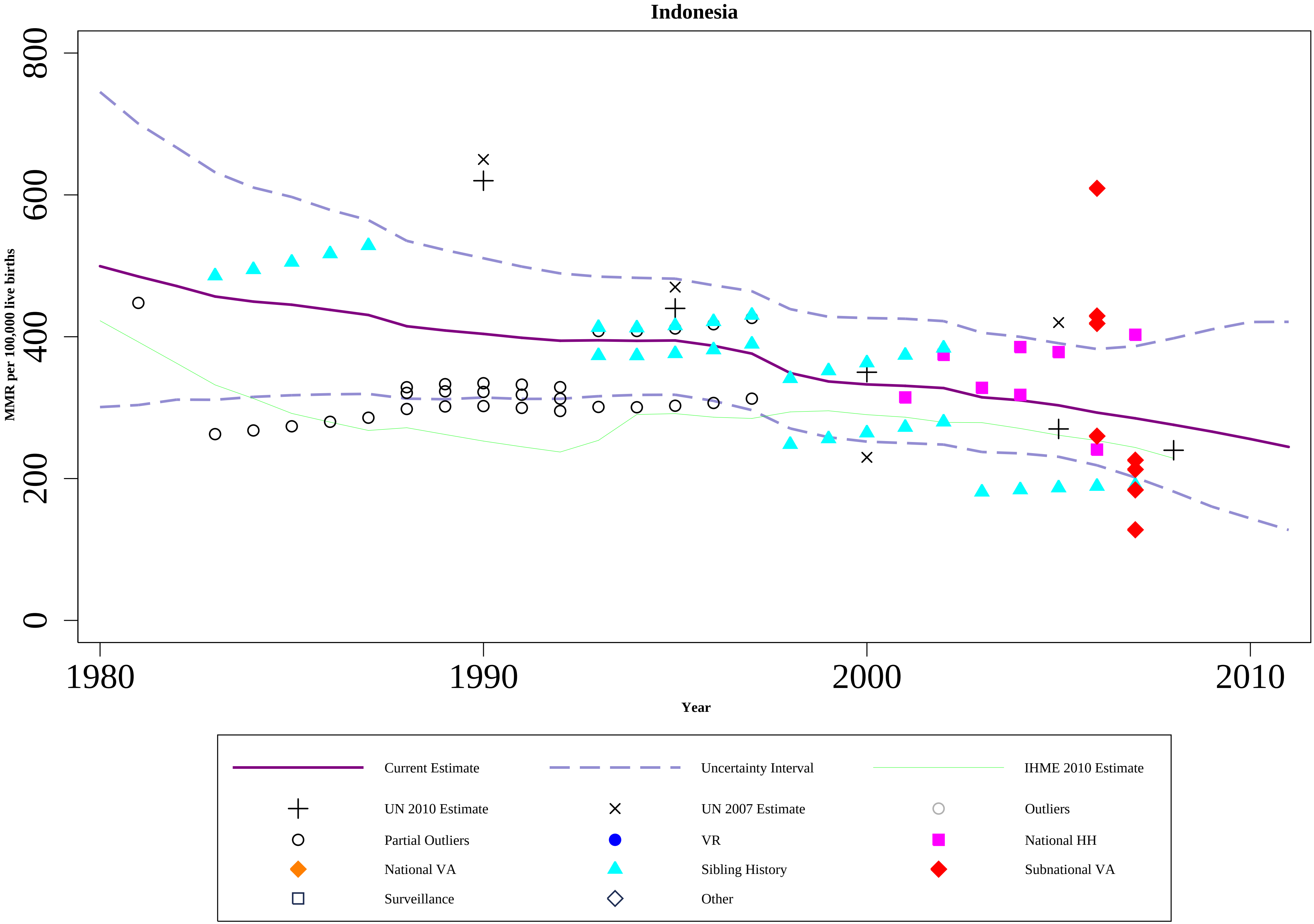
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


India
MMR per 100,000 live births
1000
500
0
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
SRS
NFHS 1
NFHS 2, HH
NFHS 2, VA
DLHS II
DLHS III

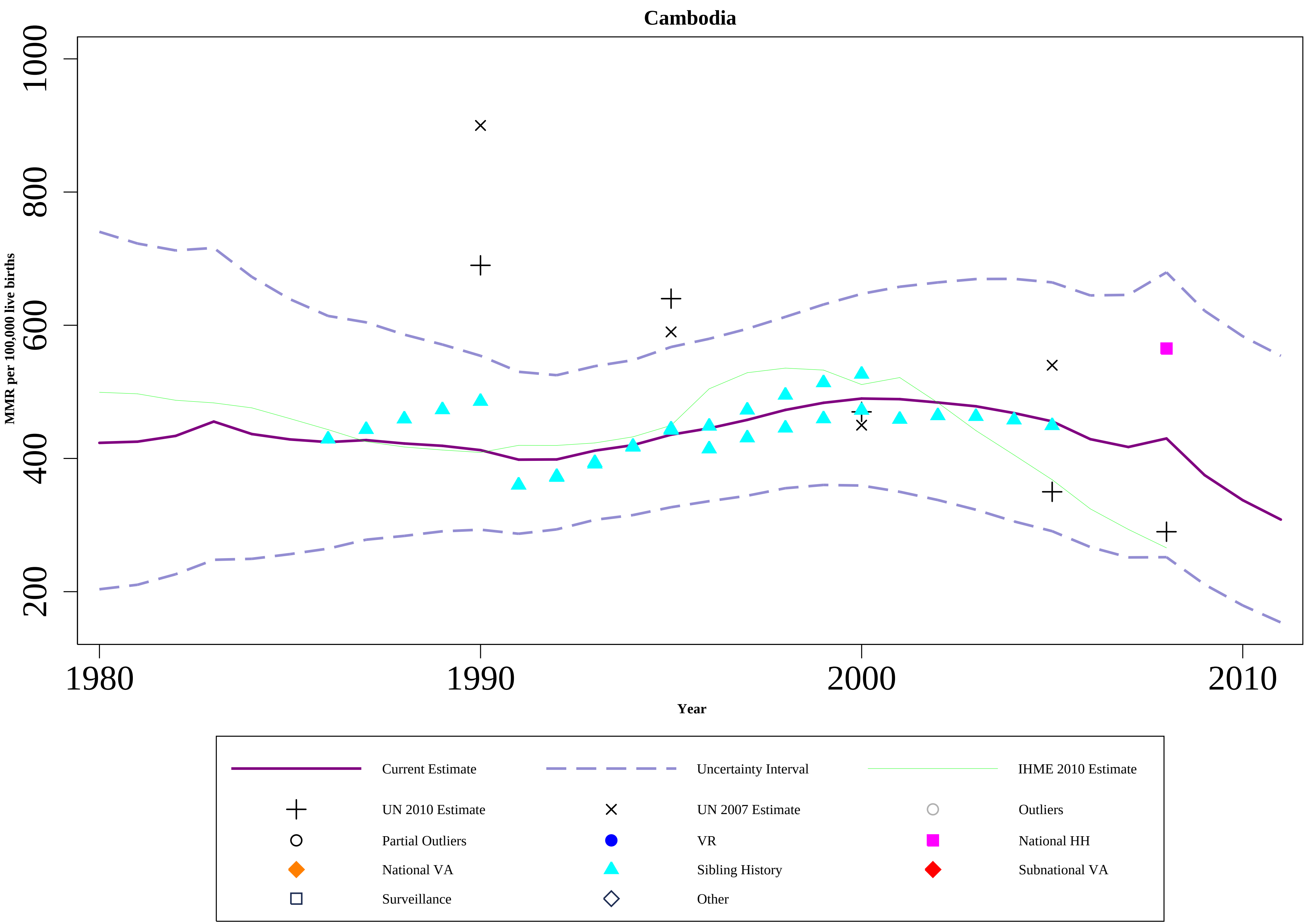

Nepal
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other

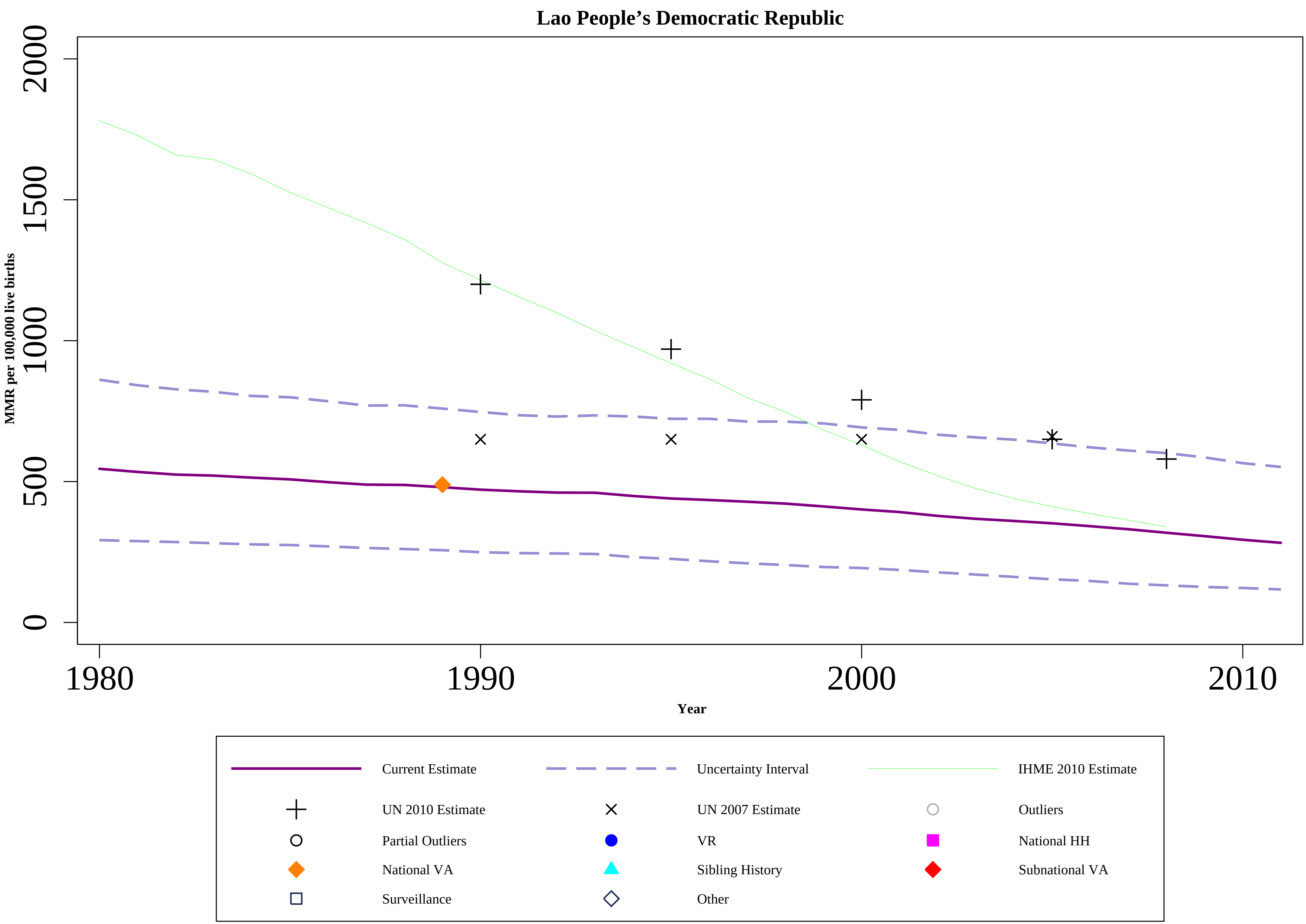


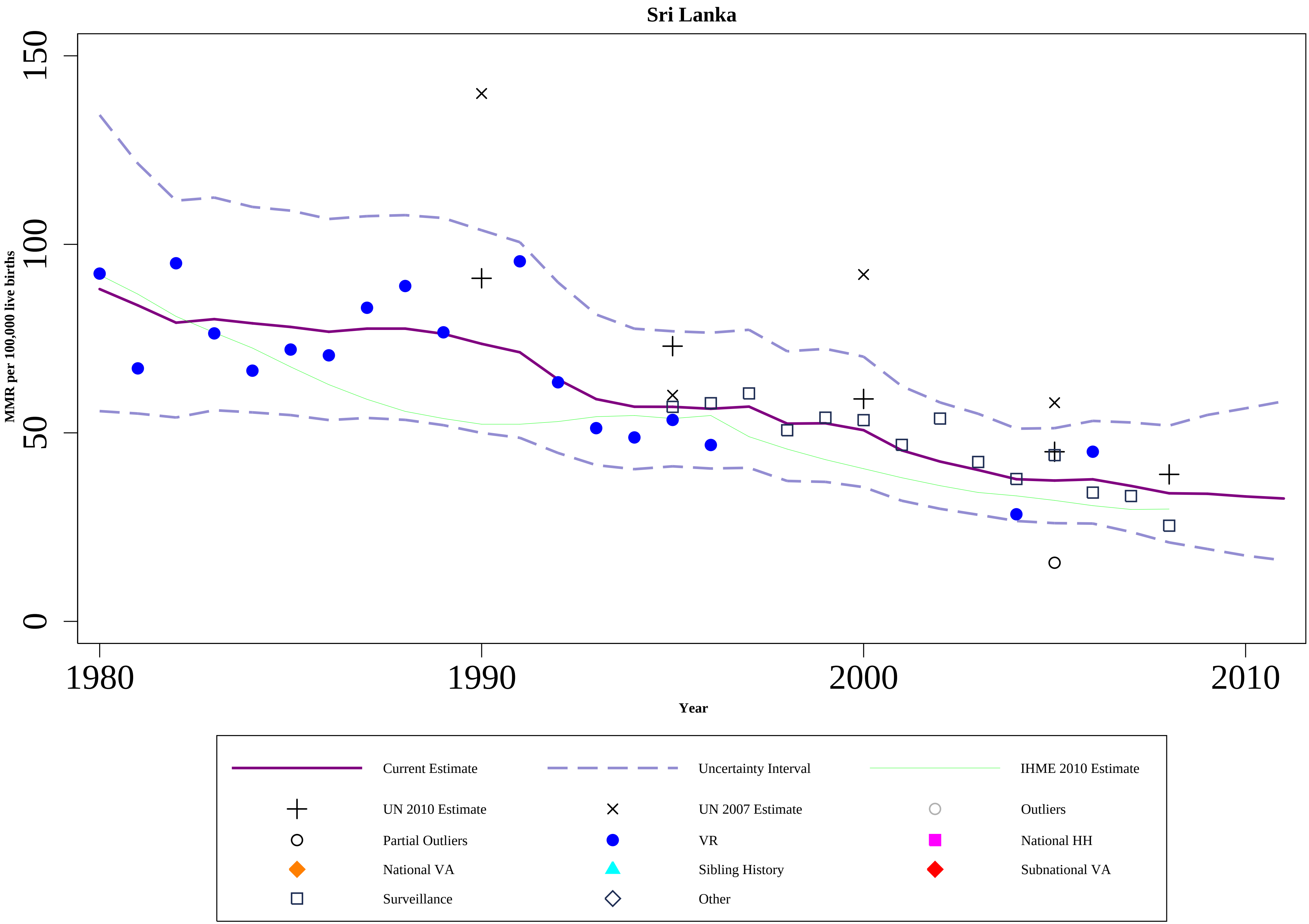
Pakistan
MMR per 100,000 live births
1000
800
600
400
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



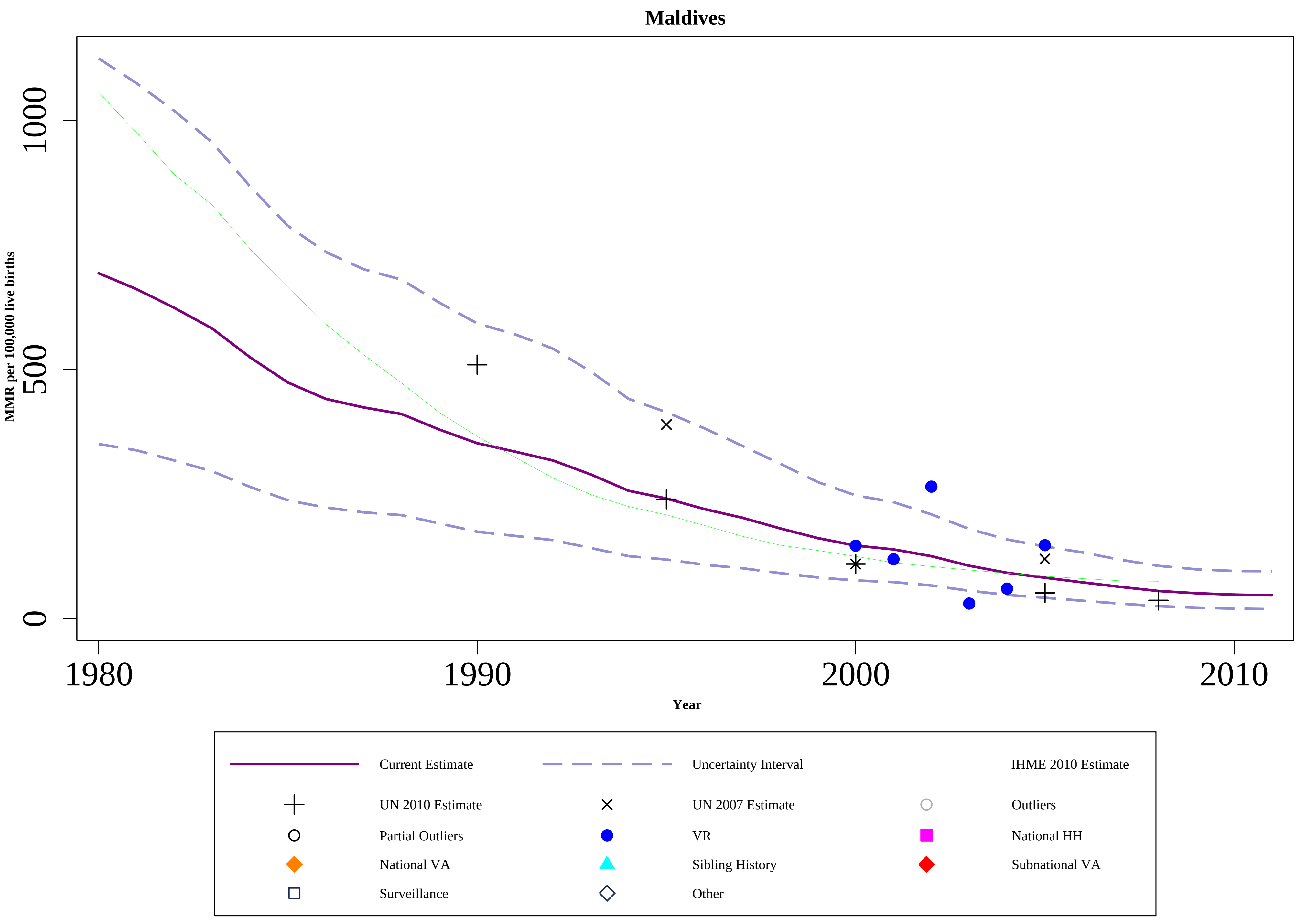
Indonesia
800
600
400
200
0
MMR per 100,000 live births
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Cambodia
MMR per 100,000 live births
1000
800
600
400
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Lao People's Democratic Republic
MMR per 100,000 live births
0
500
1000
1500
2000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Sri Lanka
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Maldives
MMR per 100,000 live births
0
500
1000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Surveillance
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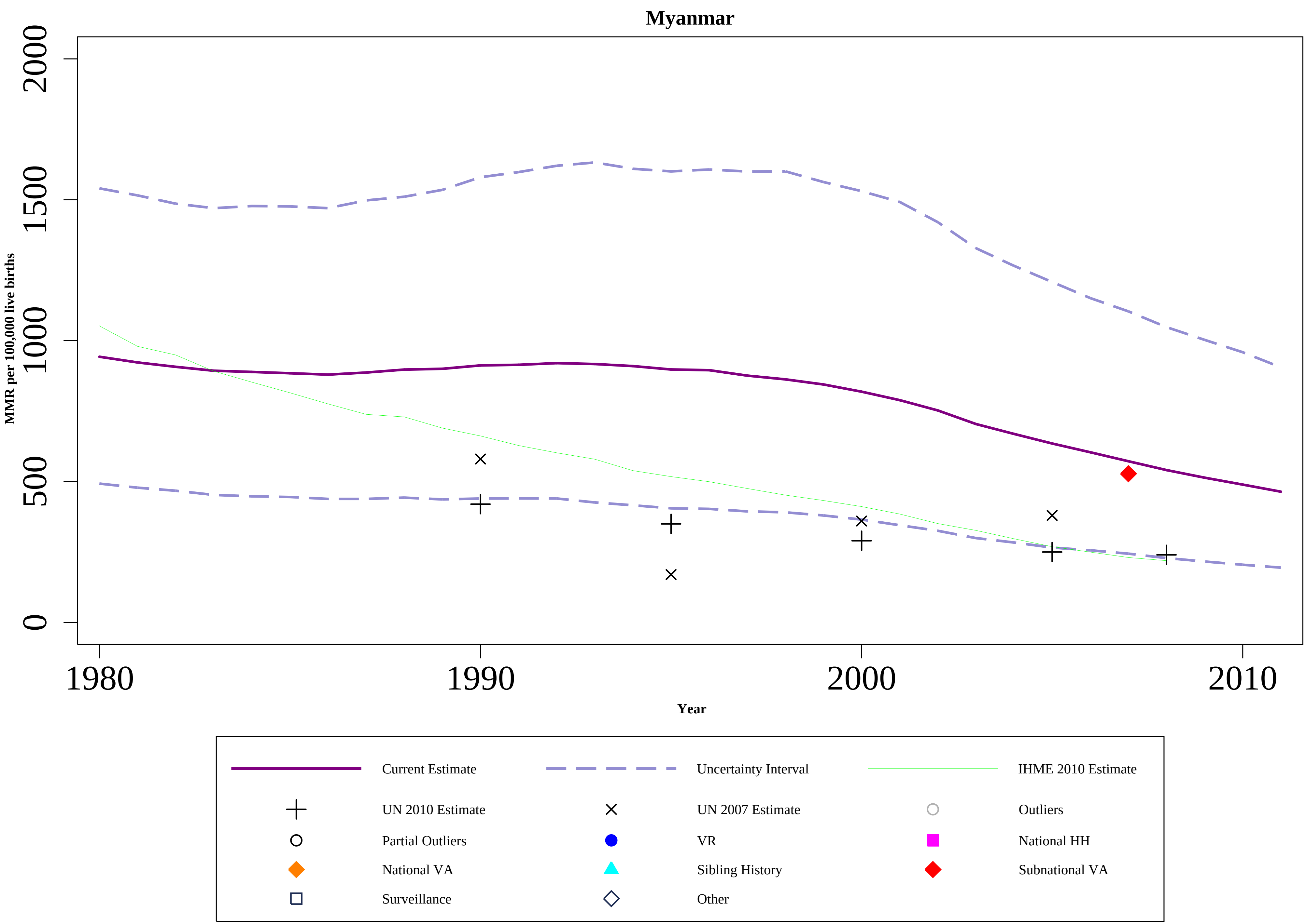
Myanmar
MMR per 100,000 live births
0
500
1000
1500
2000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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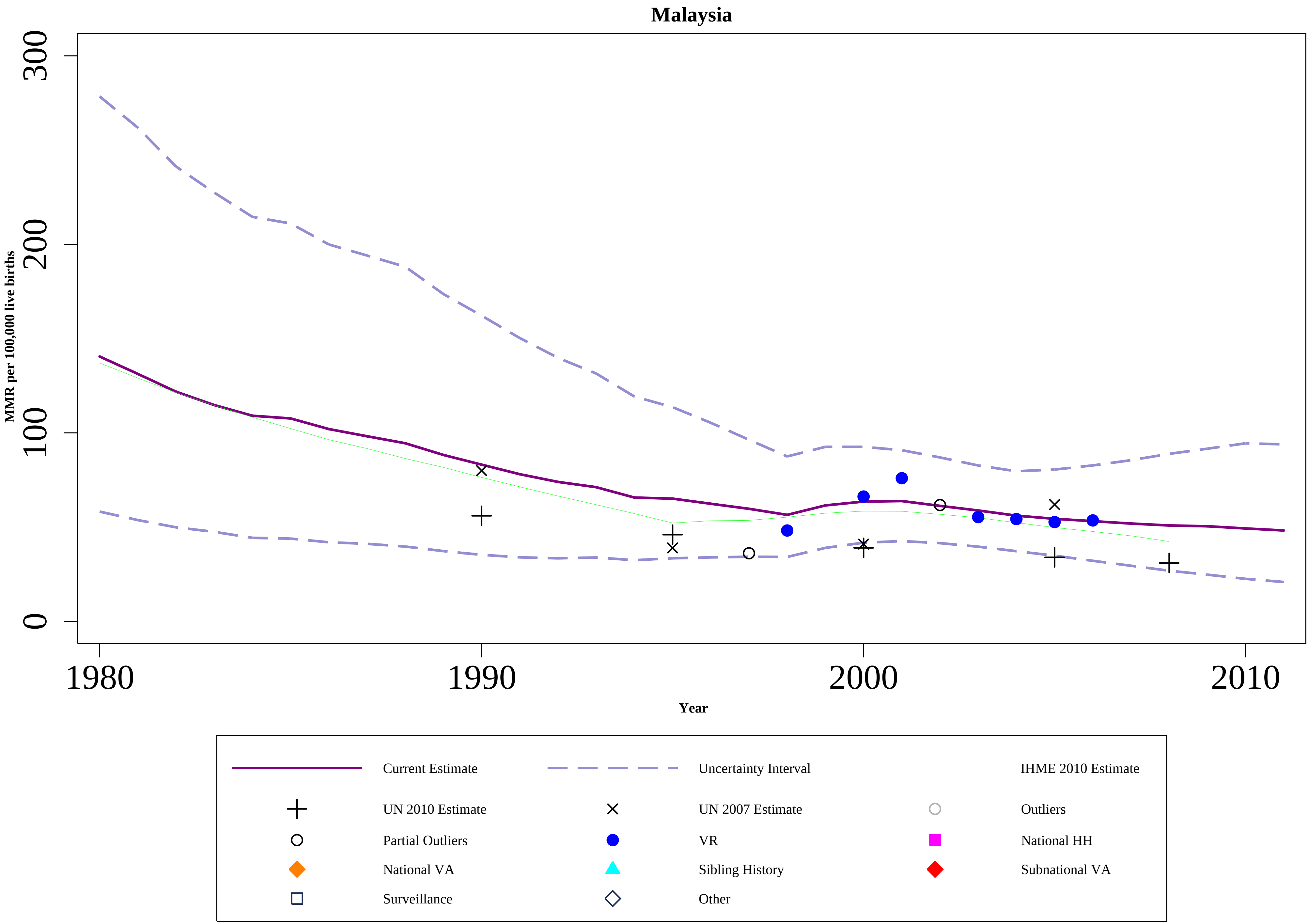
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Malaysia
MMR per 100,000 live births
0
100
200
300
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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VR
National HH
National VA
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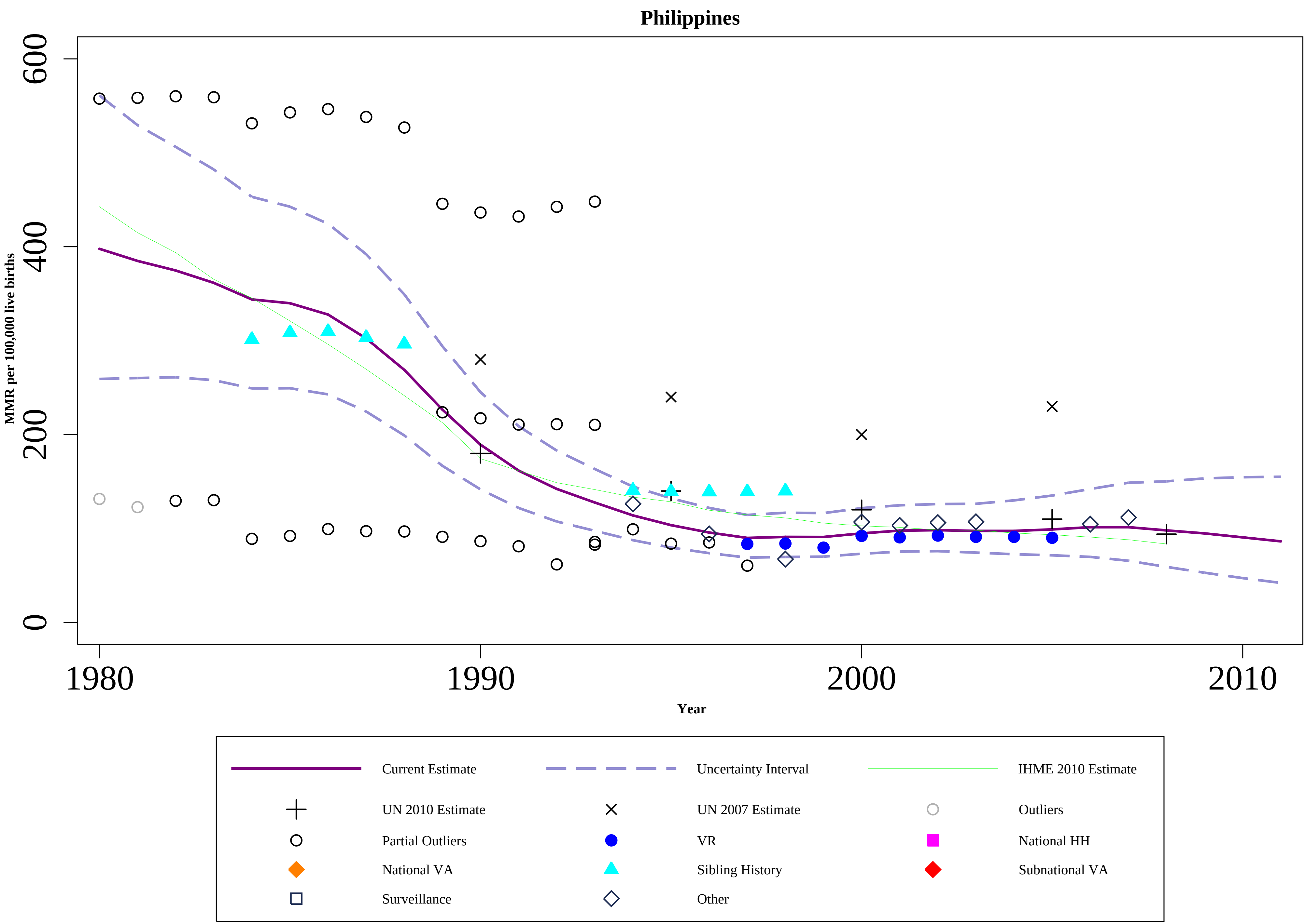
Subnational VA
Surveillance
Other


Philippines
MMR per 100,000 live births
0
200
400
600
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
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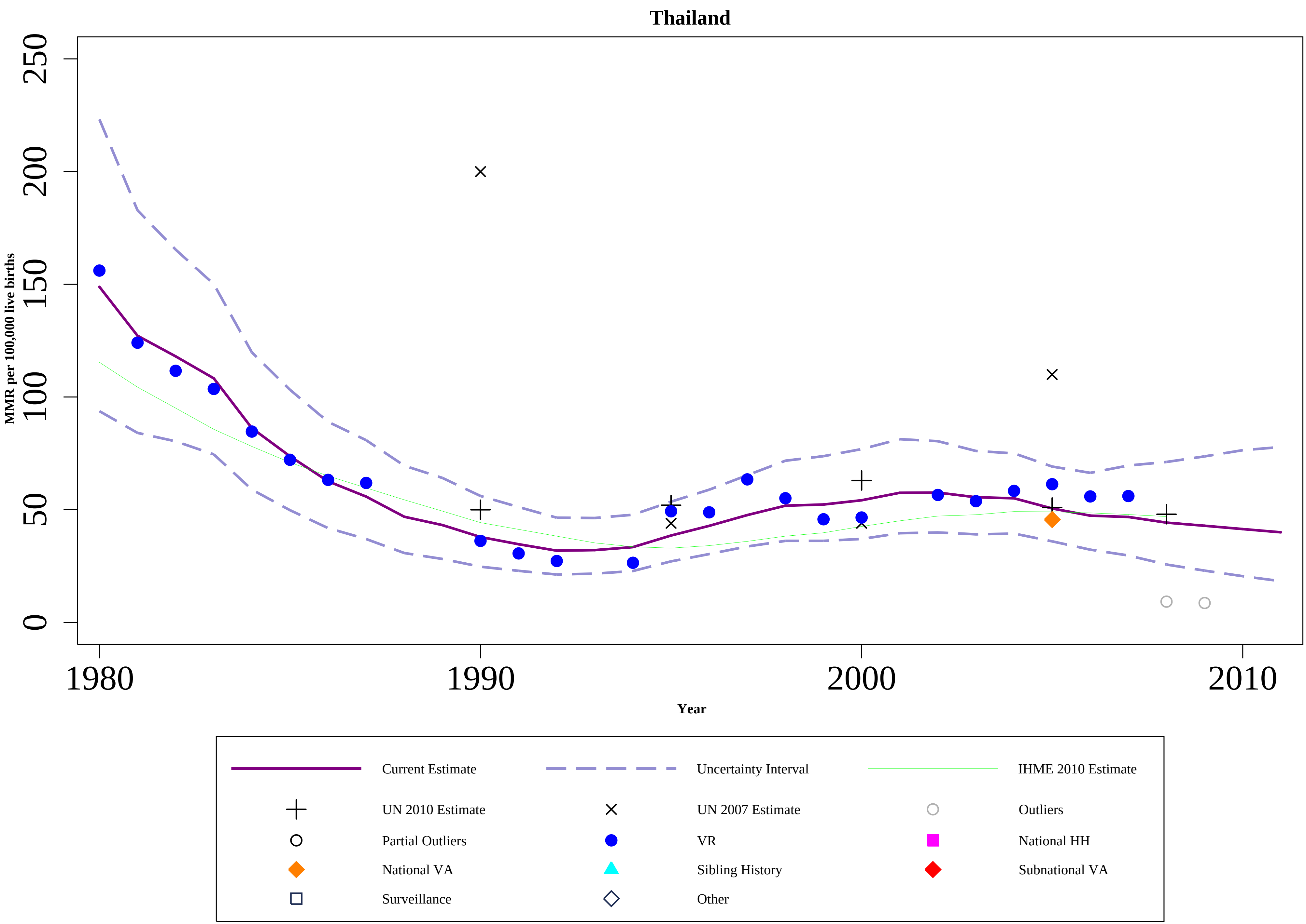
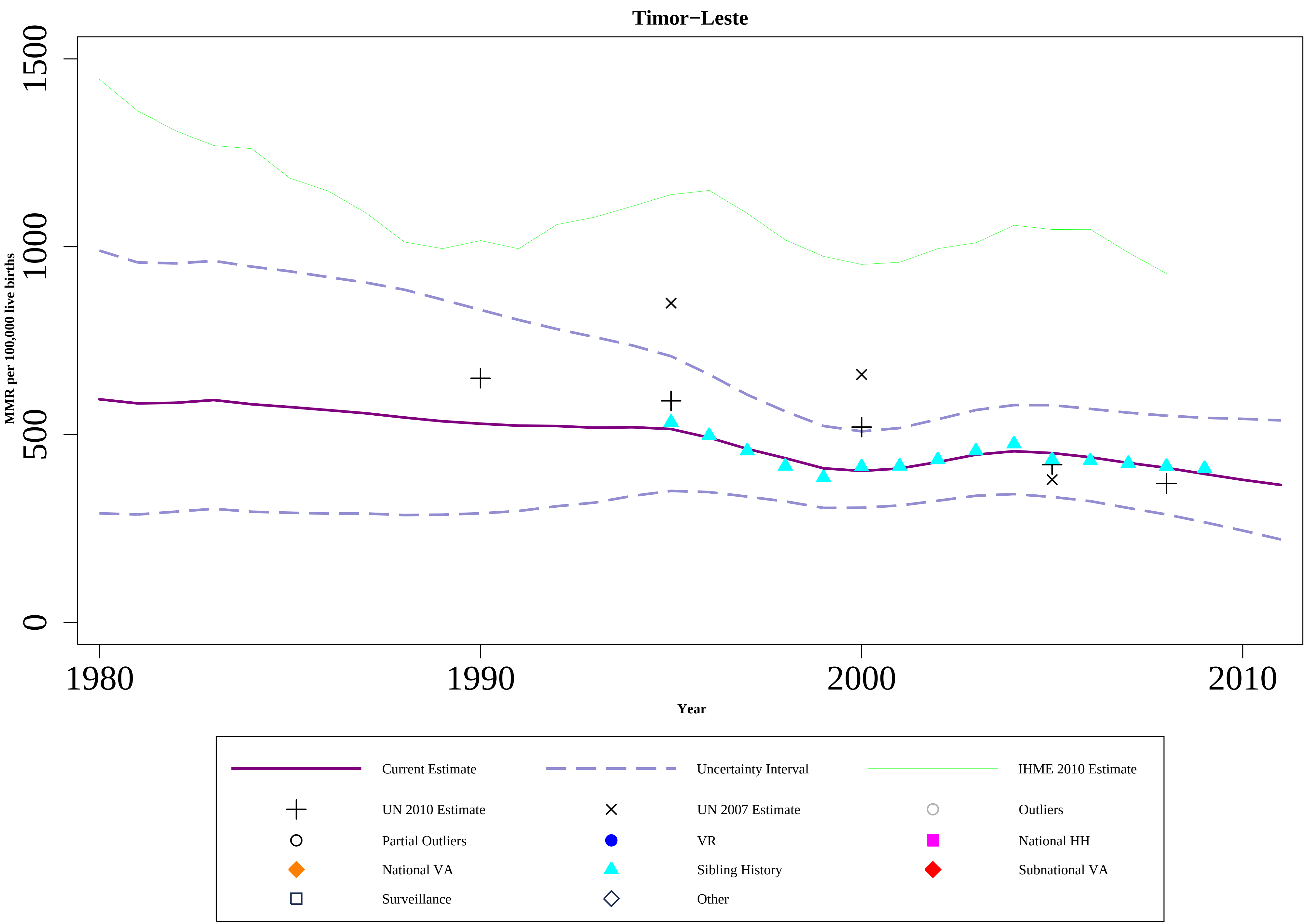
Subnational VA
Surveillance
Other


Thailand
MMR per 100,000 live births
0
50
100
150
200
250
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Timor−Leste
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
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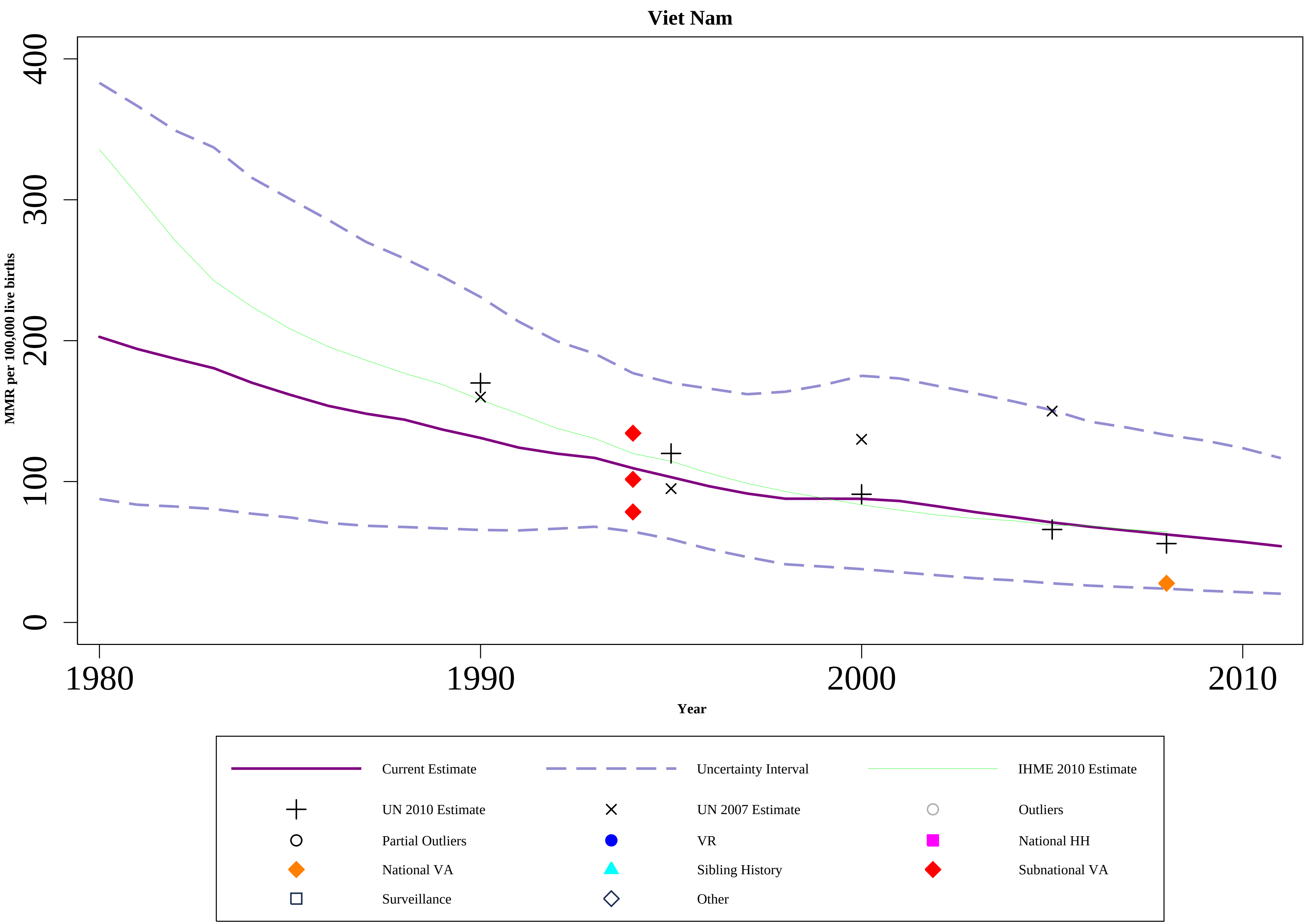
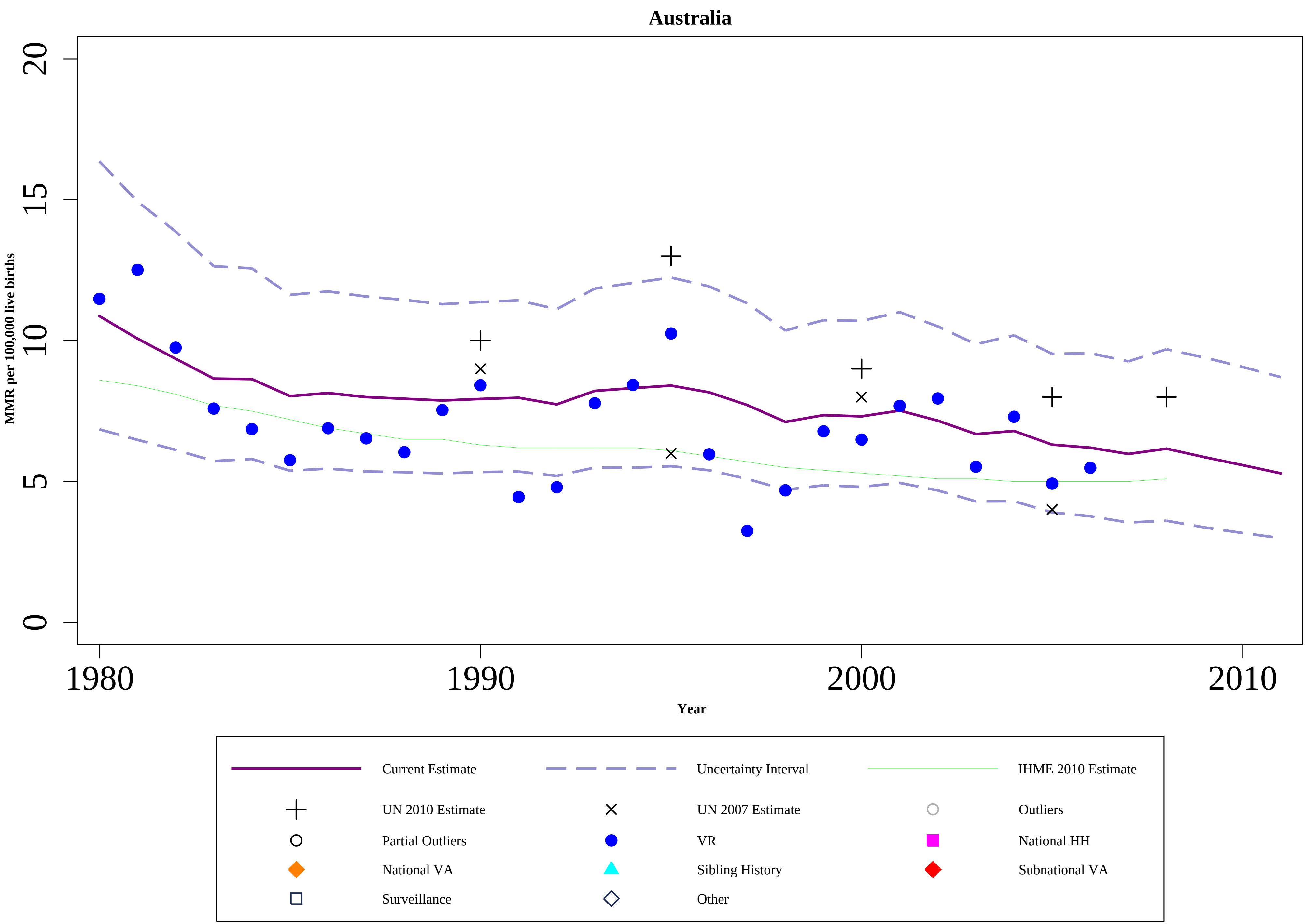
Subnational VA
Surveillance
Other



Viet Nam
MMR per 100,000 live births
0
100
200
300
400
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Australia
MMR per 100,000 live births
0
5
10
15
20
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
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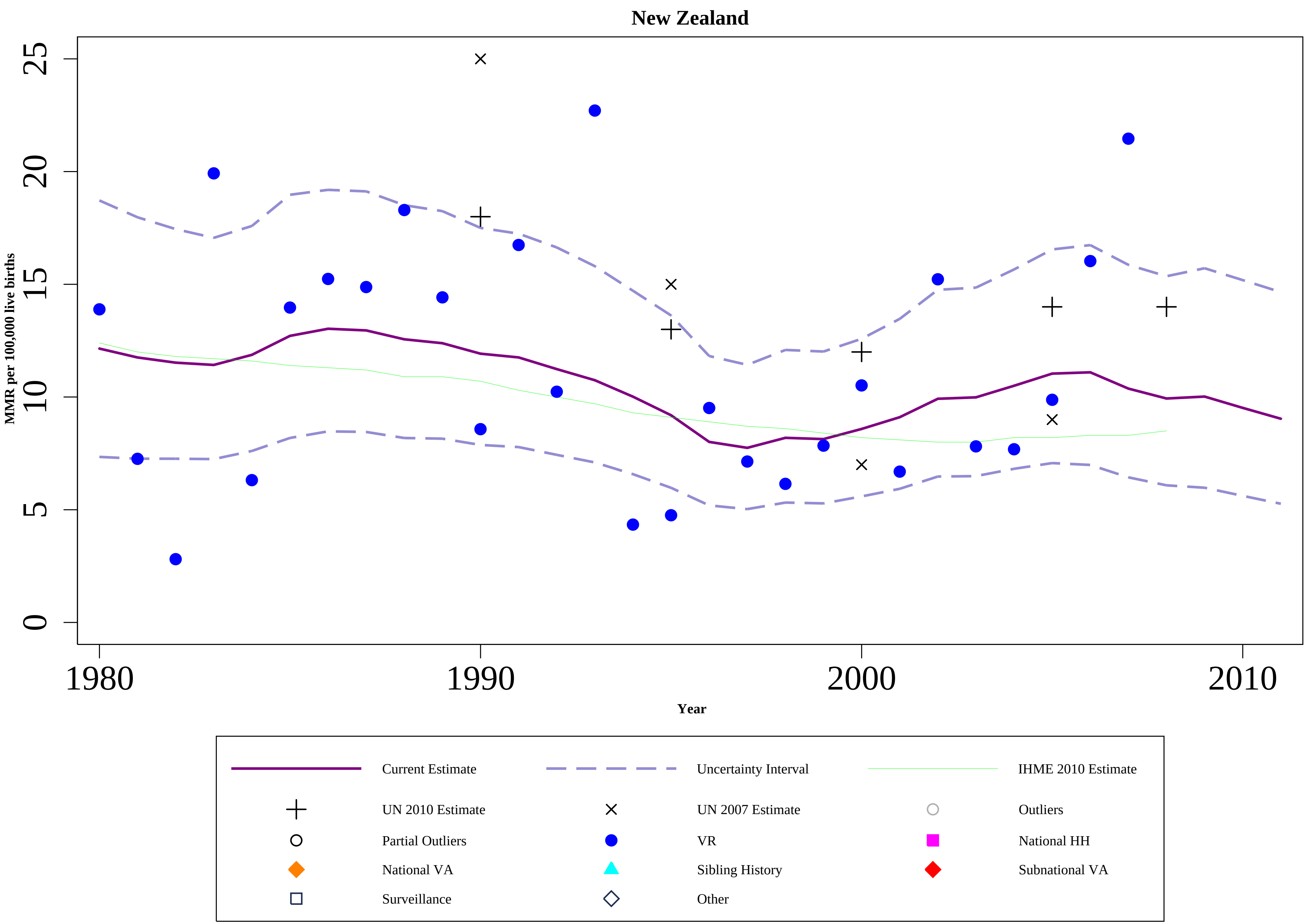
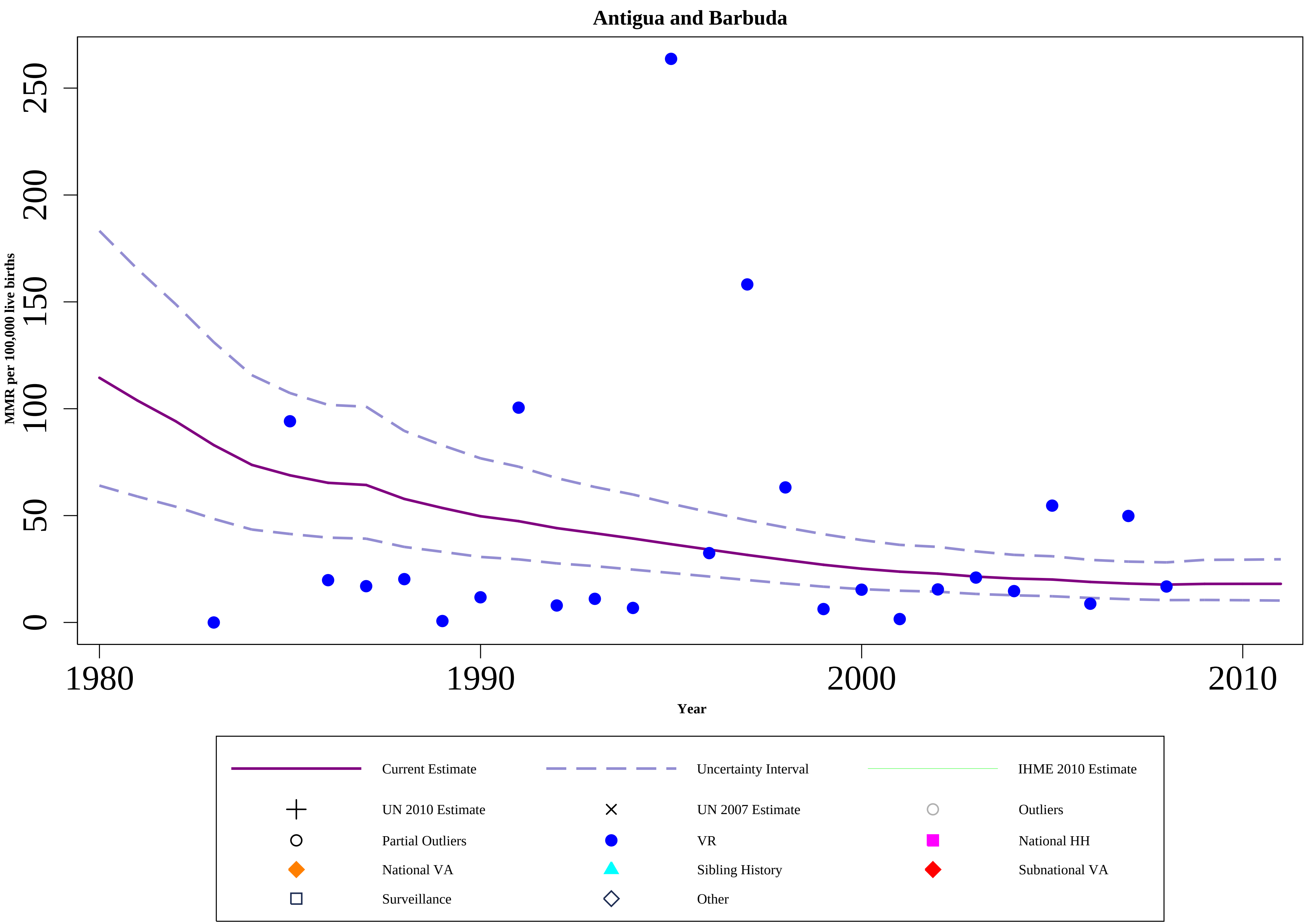


New Zealand
MMR per 100,000 live births
Year
0
5
10
15
20
25
1980
1990
2000
2010
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Antigua and Barbuda
MMR per 100,000 live births
0
50
100
150
200
250
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
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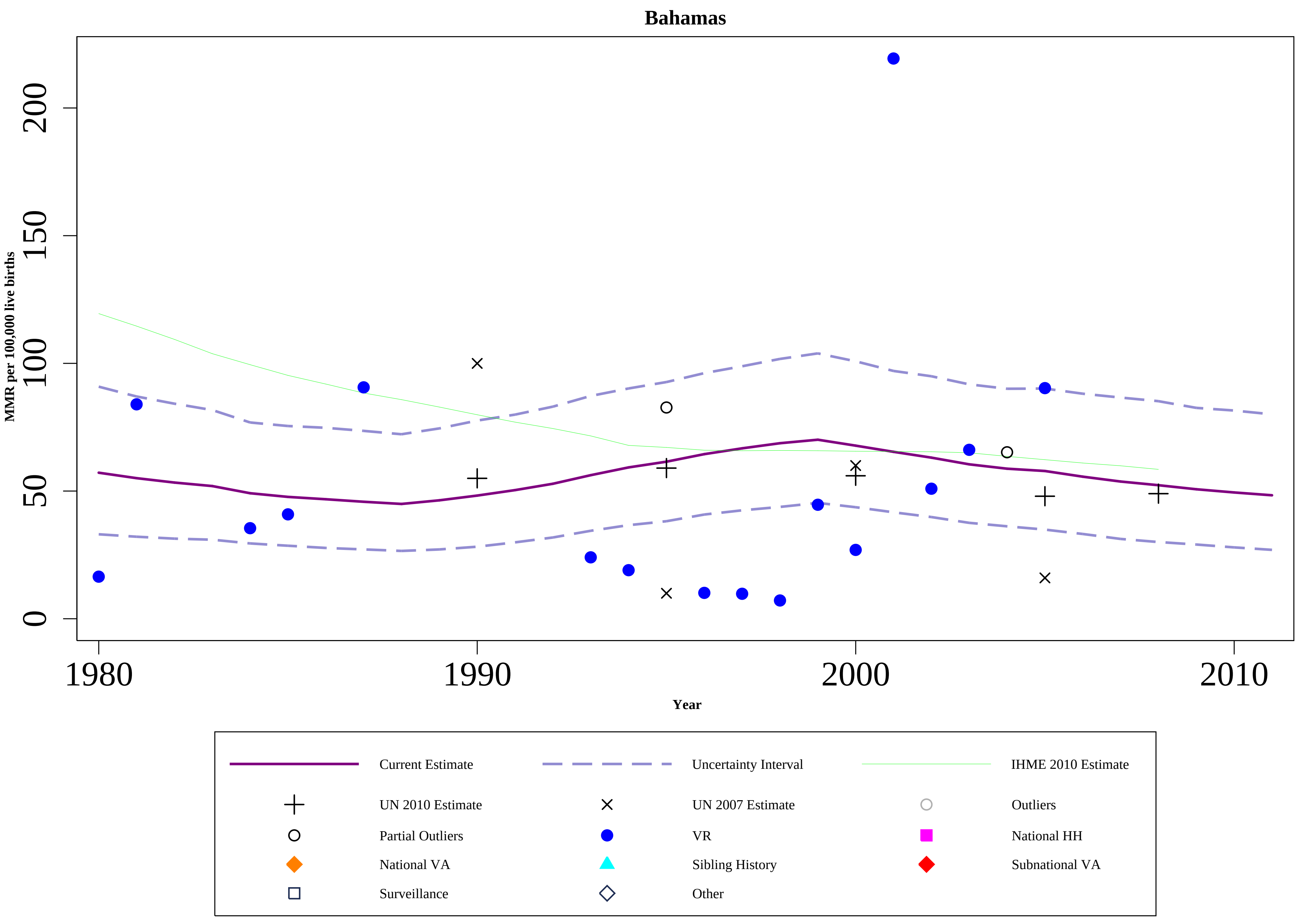
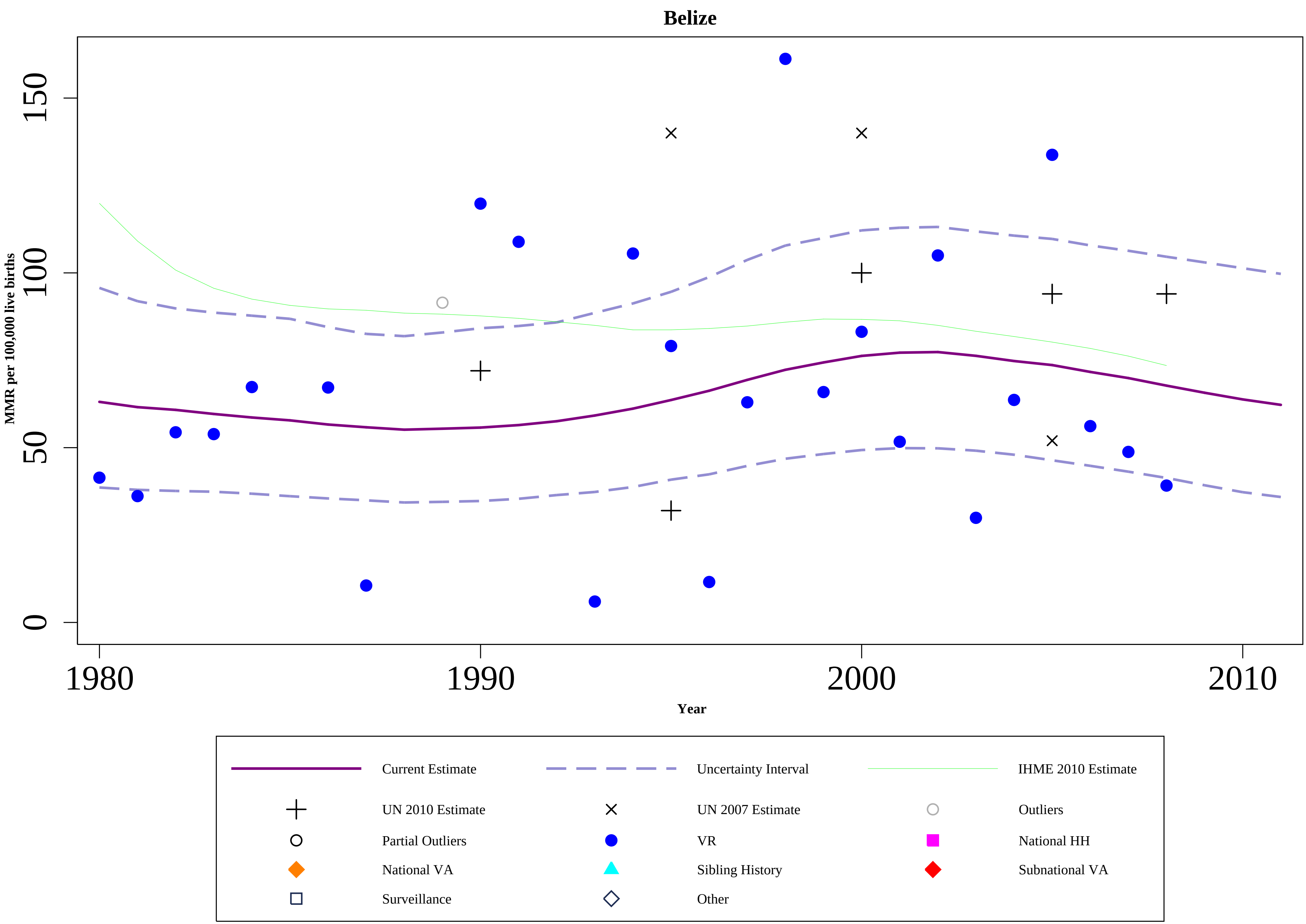
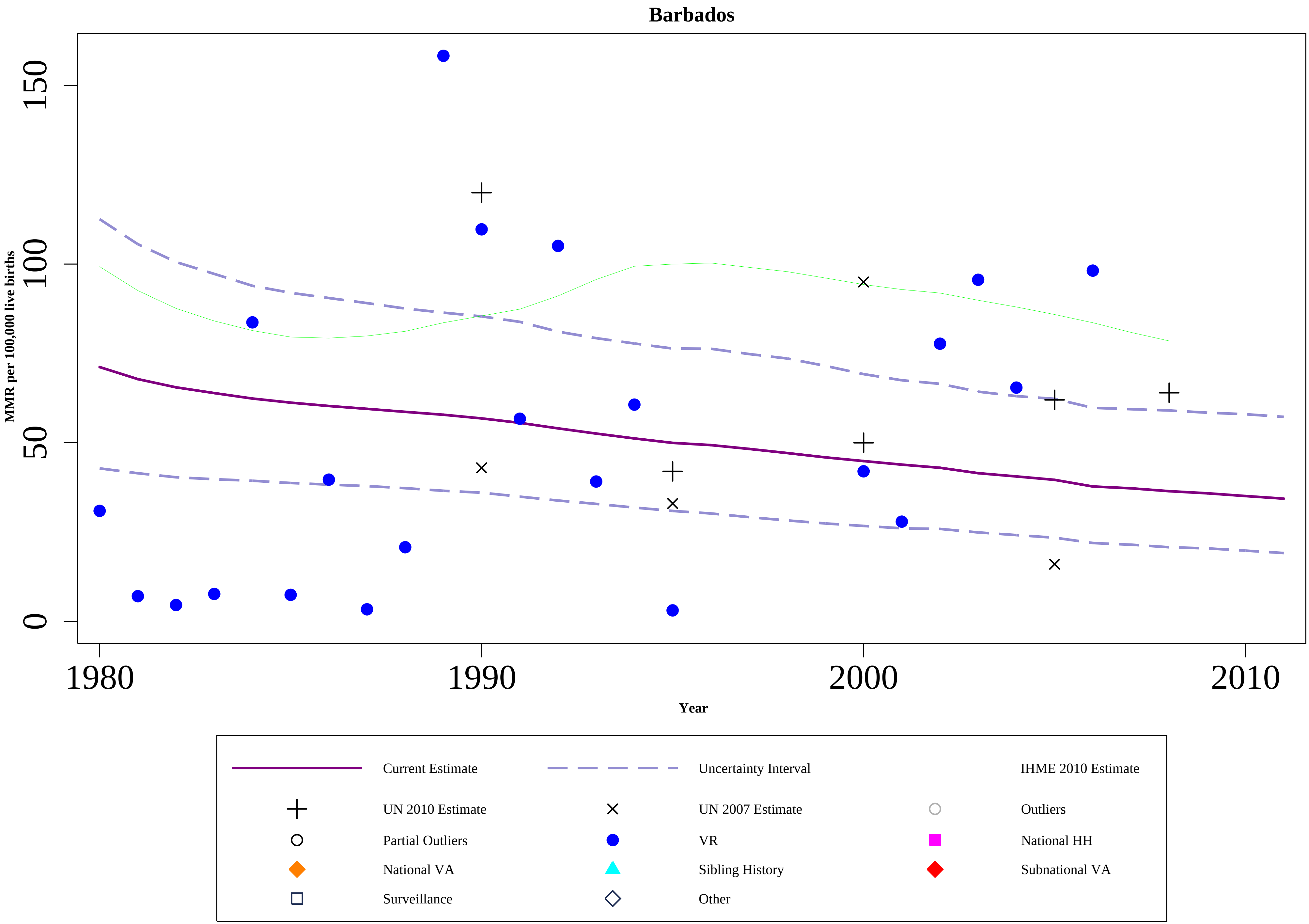
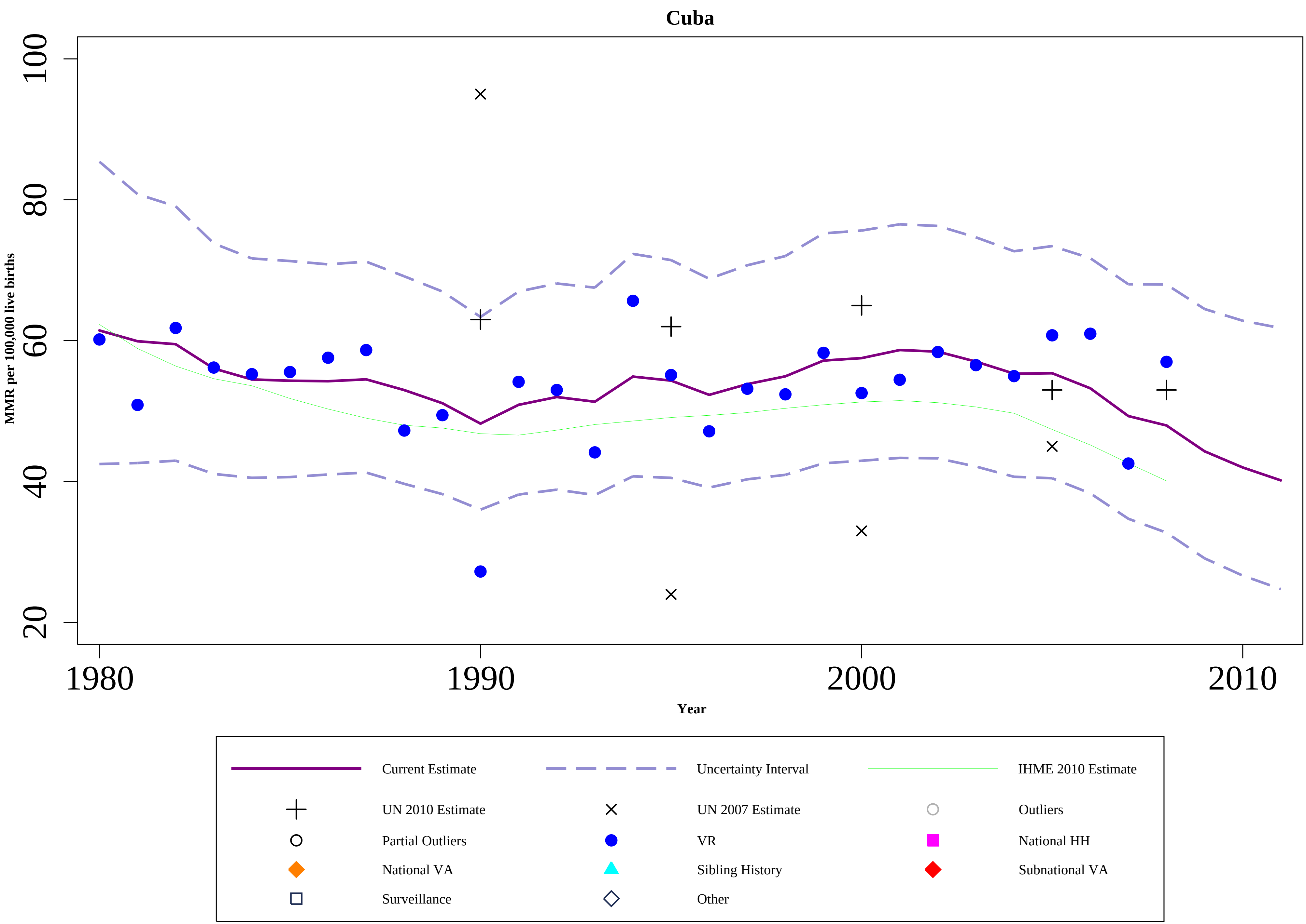
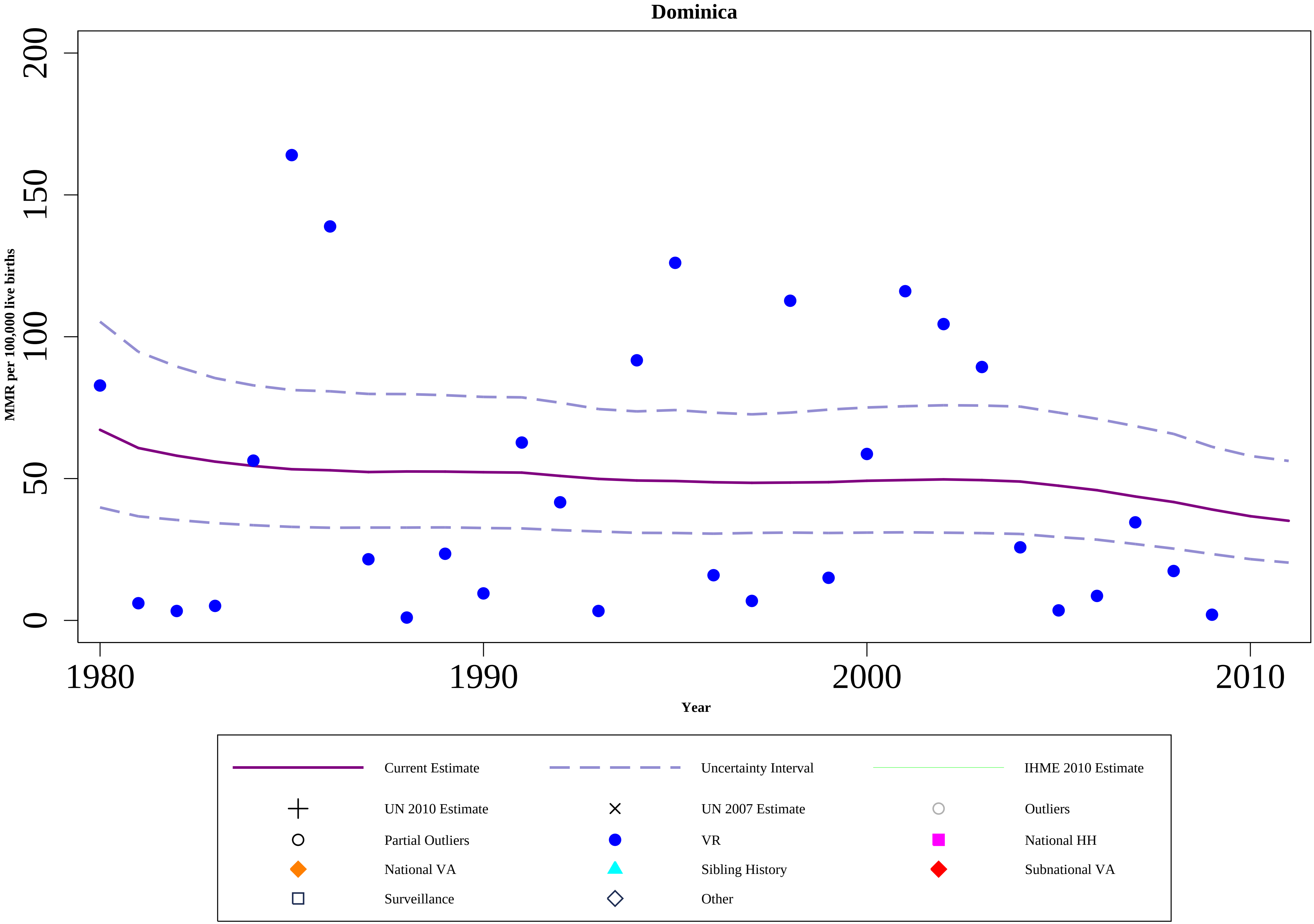

Bahamas
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



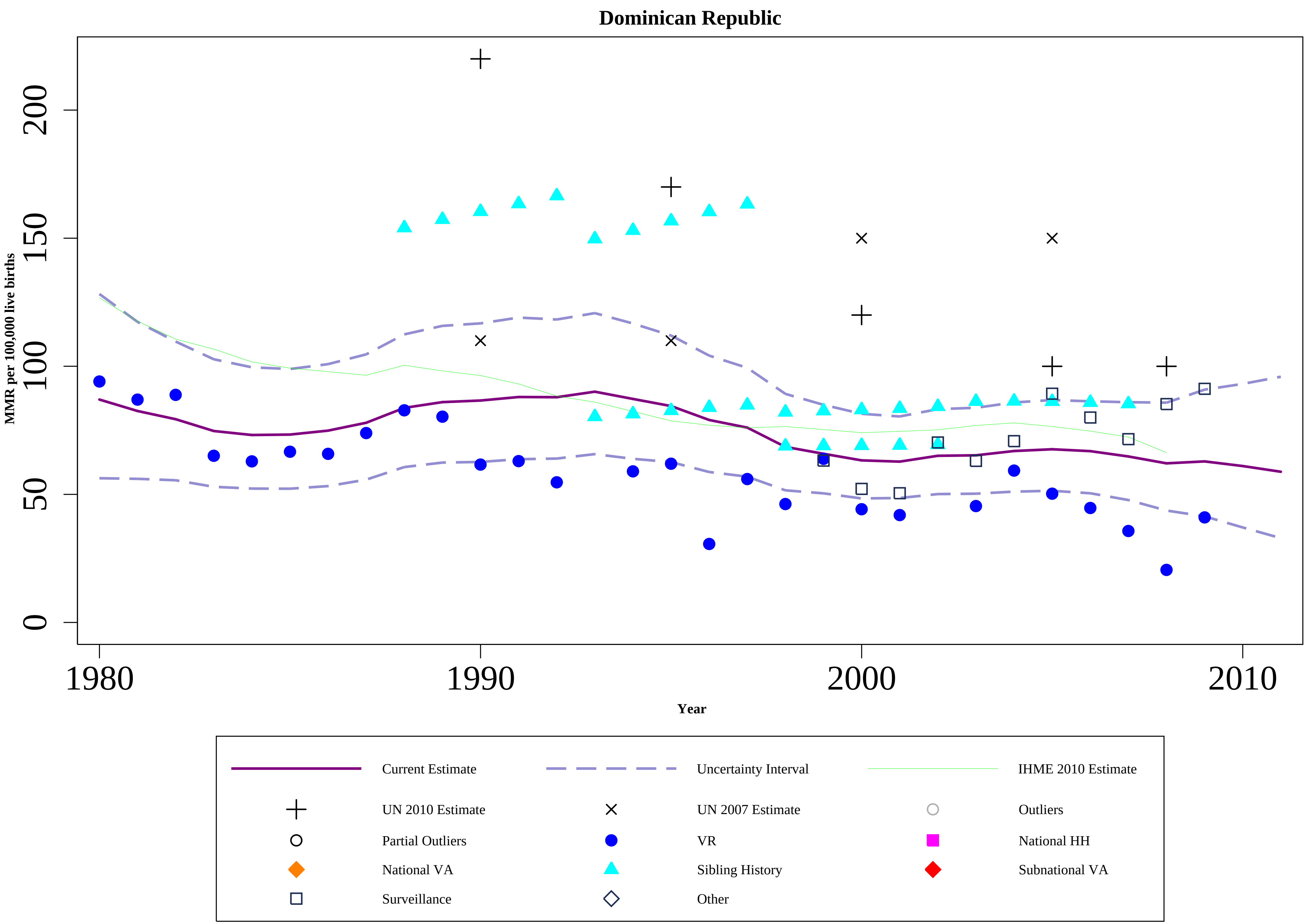
Belize
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Barbados
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other

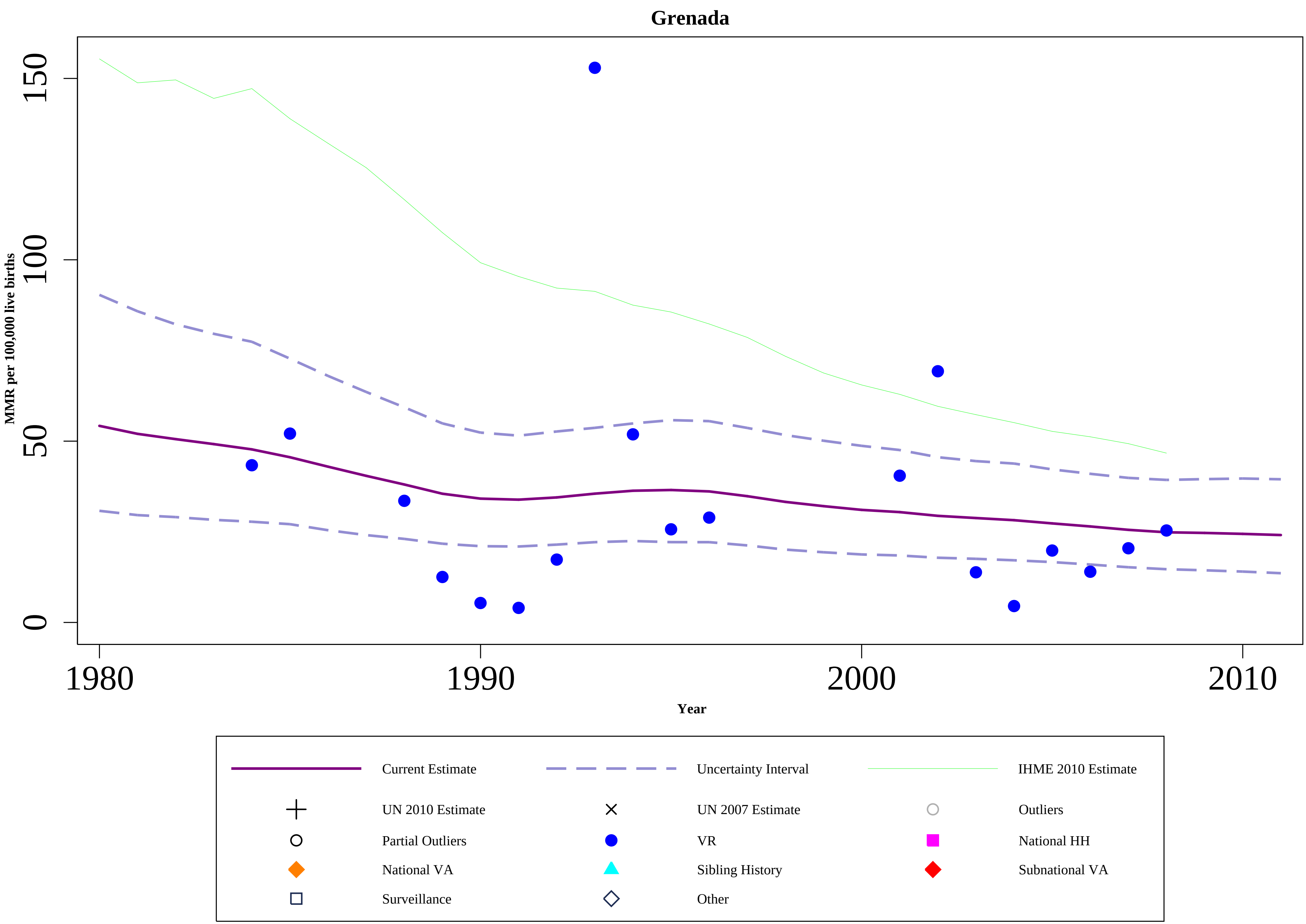

Cuba
MMR per 100,000 live births
100
80
60
40
20
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



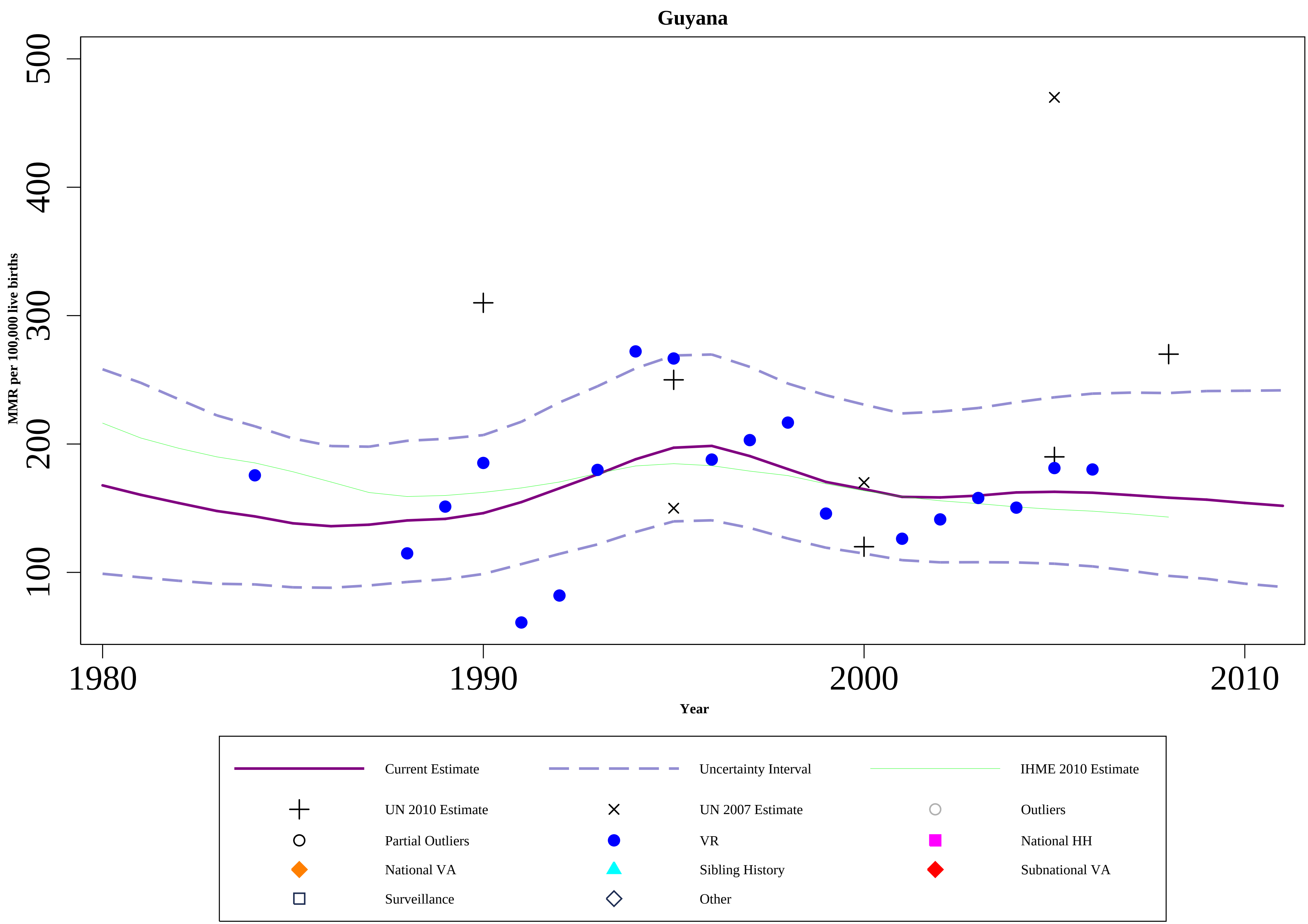
Dominica
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other

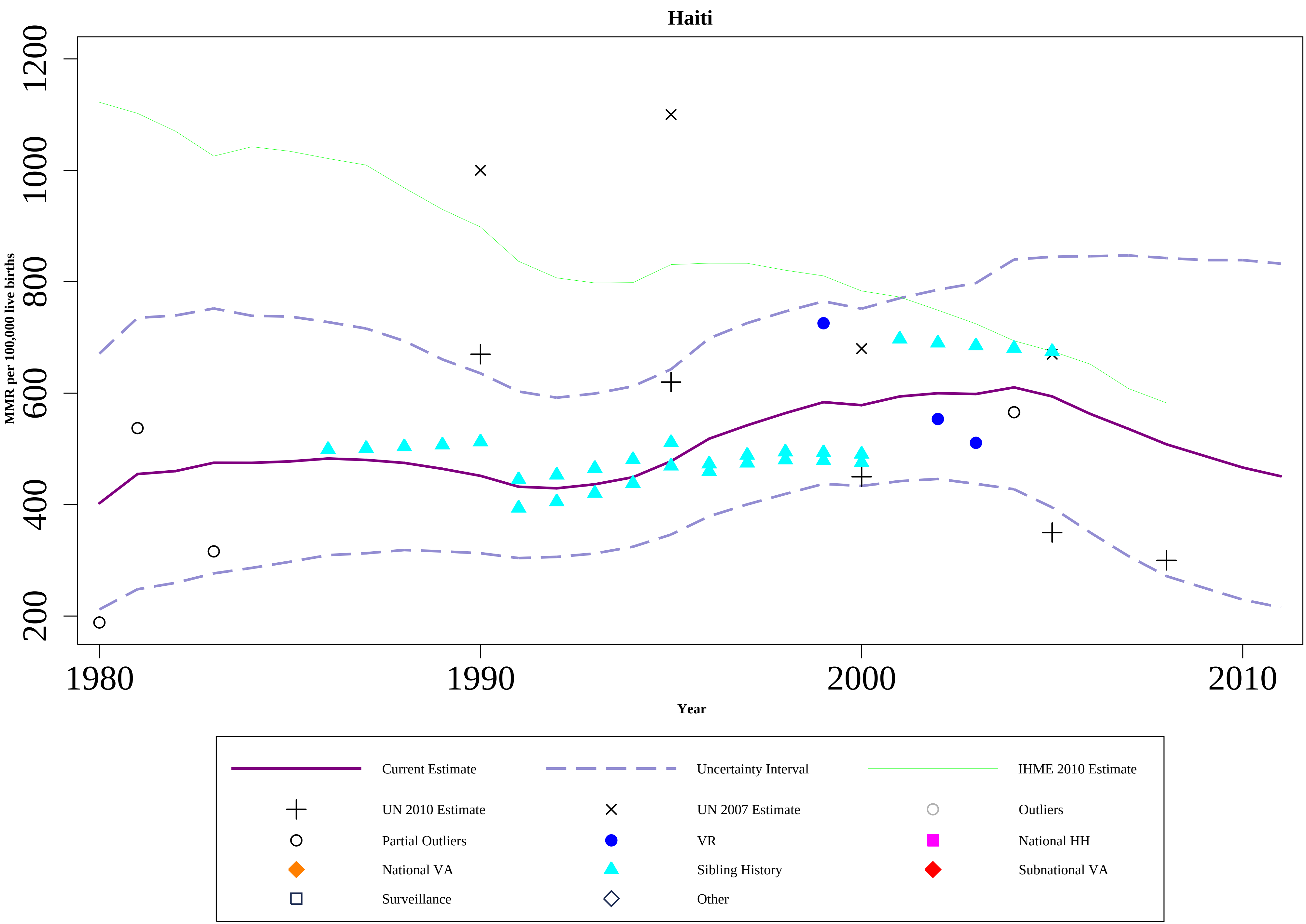


Dominican Republic
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Grenada
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Guyana
MMR per 100,000 live births
500
400
300
200
100
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Haiti
MMR per 100,000 live births
200
400
600
800
1000
1200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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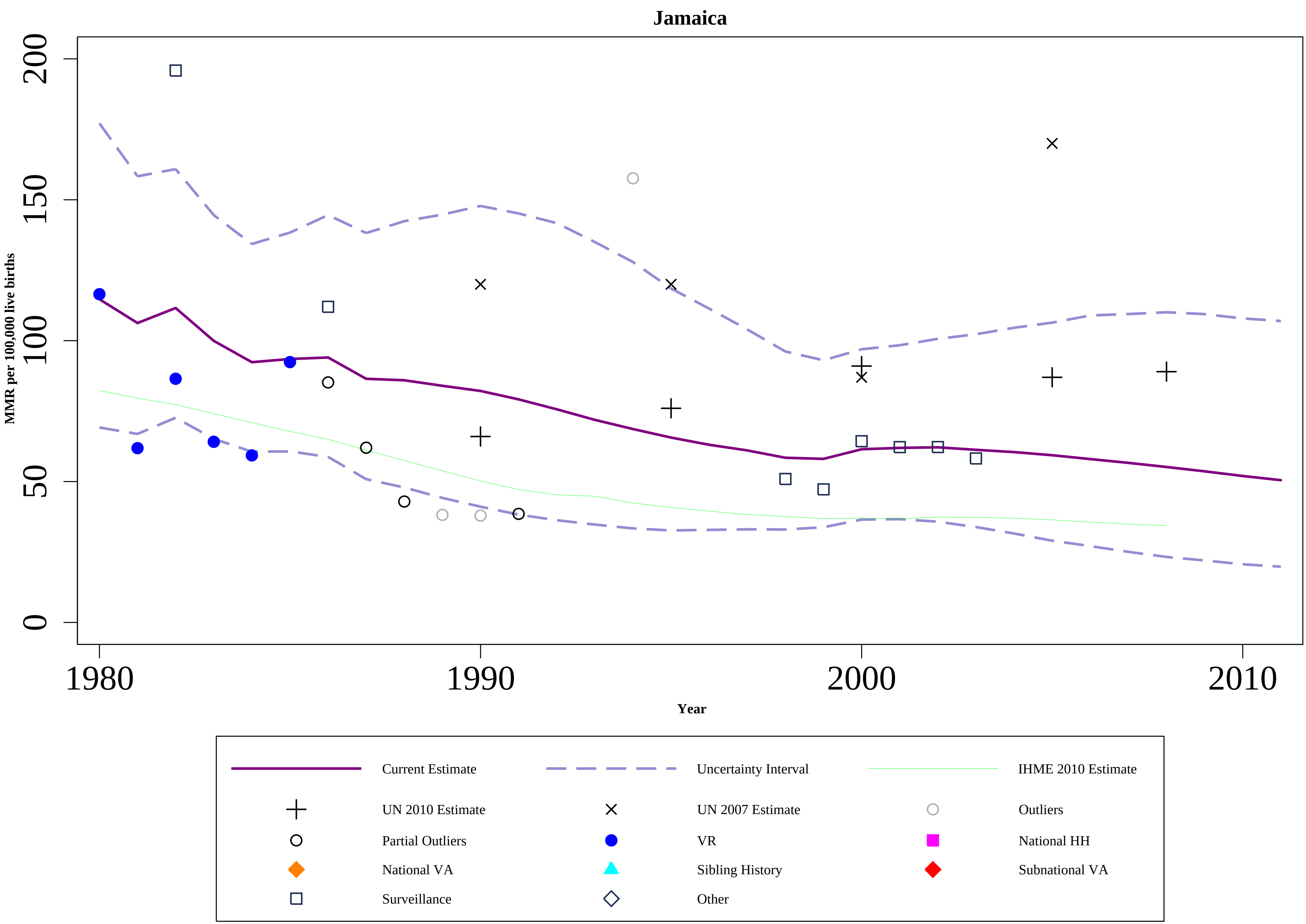
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Jamaica
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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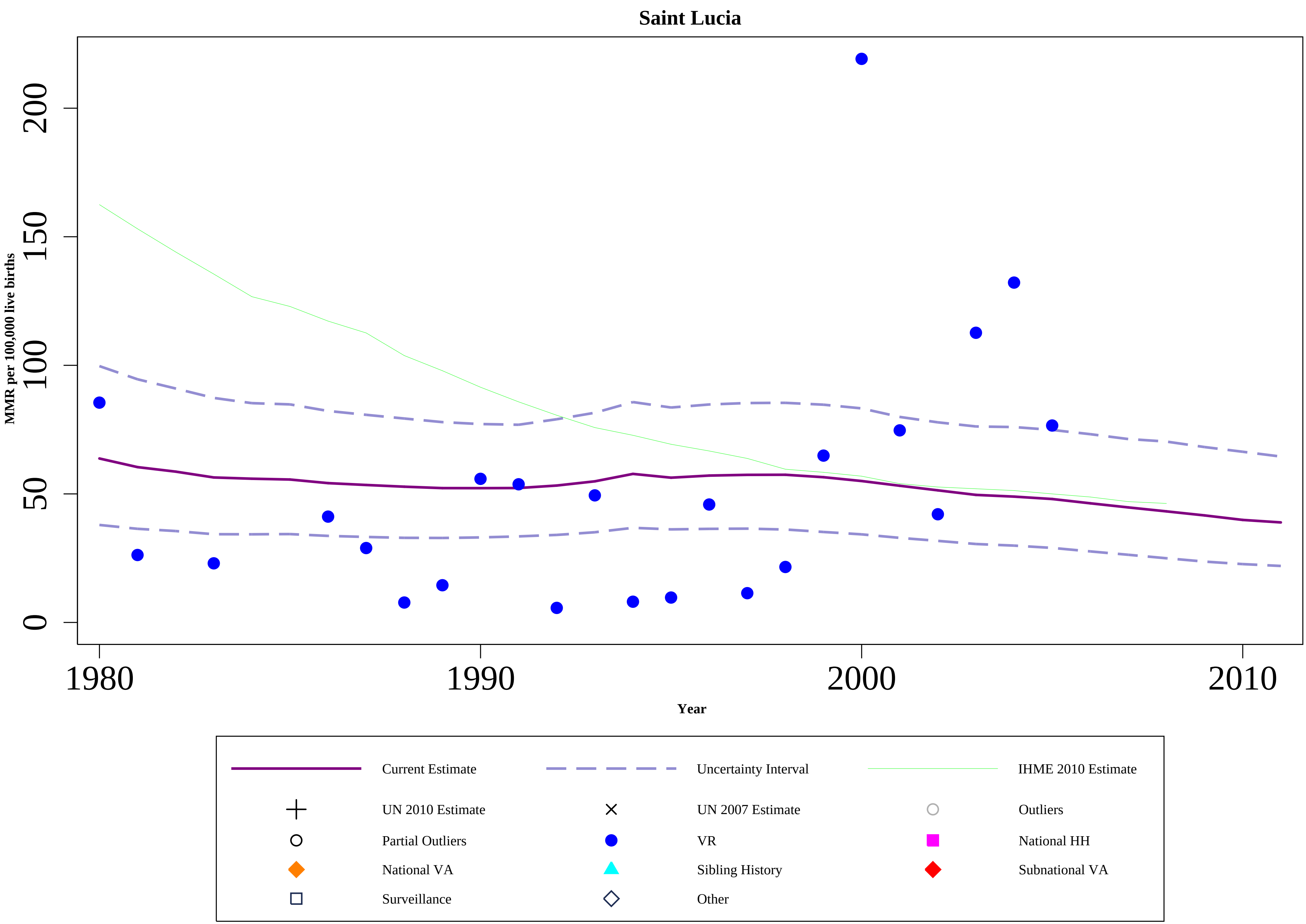
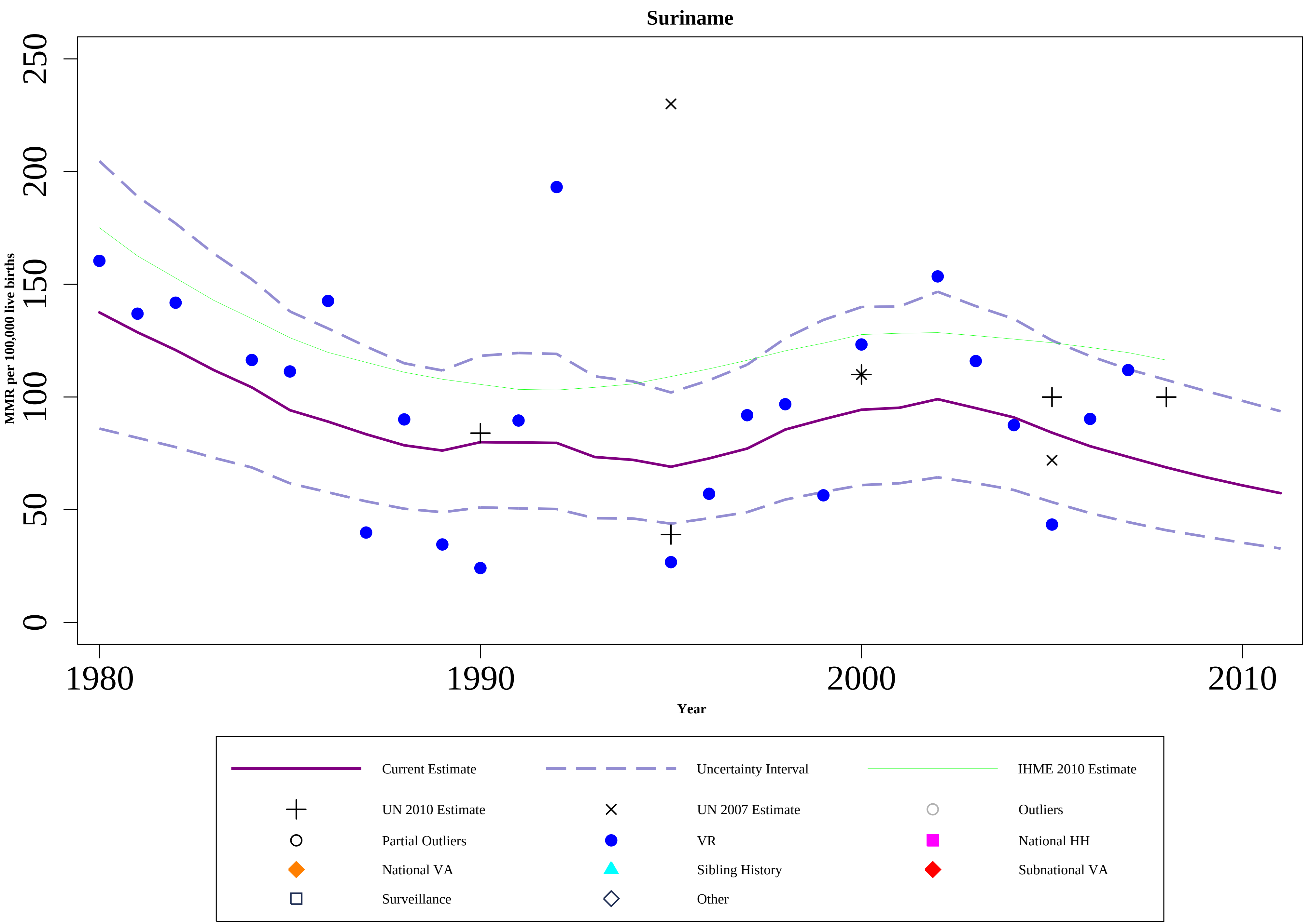
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Saint Lucia
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Suriname
MMR per 100,000 live births
0
50
100
150
200
250
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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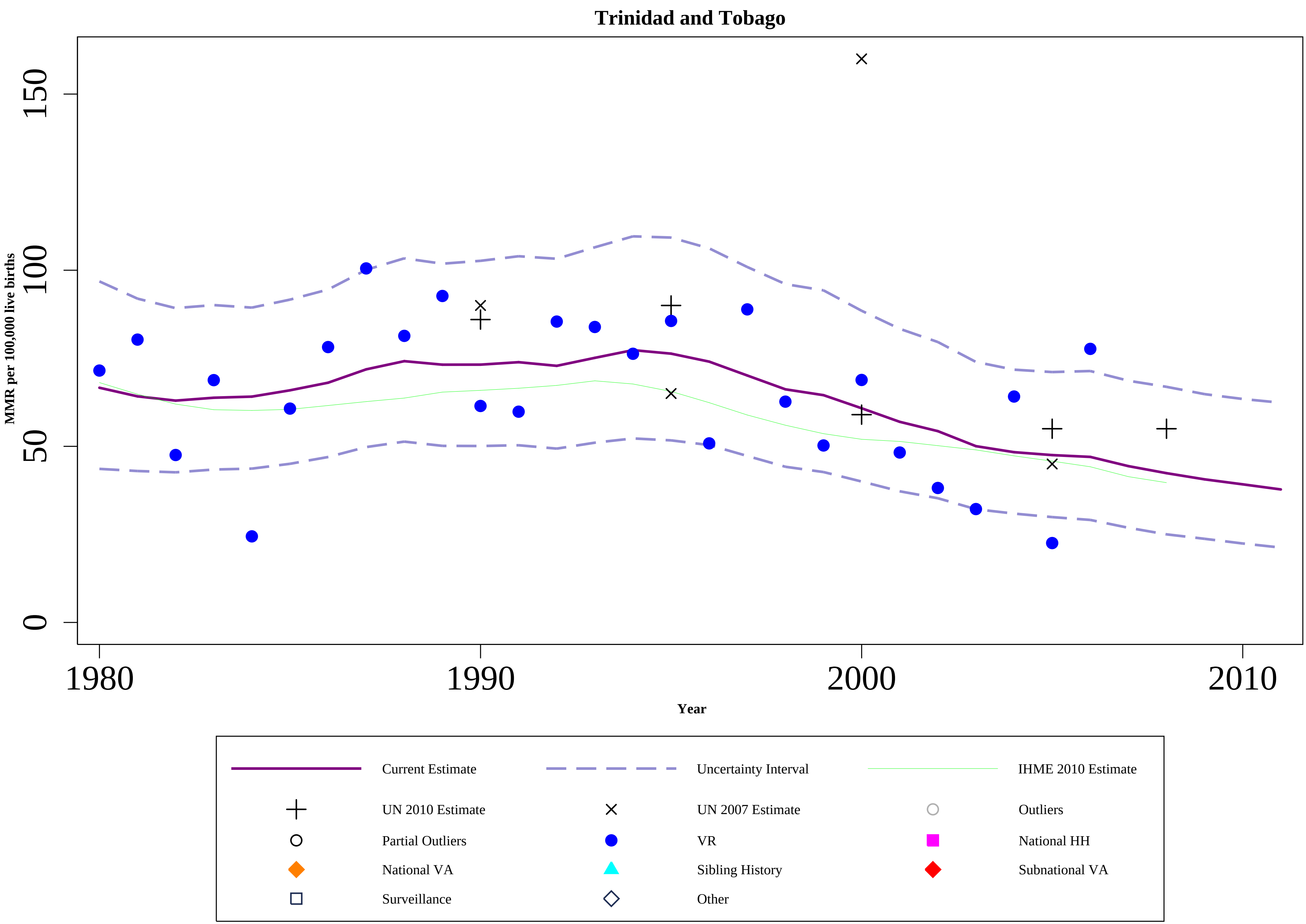
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Trinidad and Tobago
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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VR
National HH
National VA
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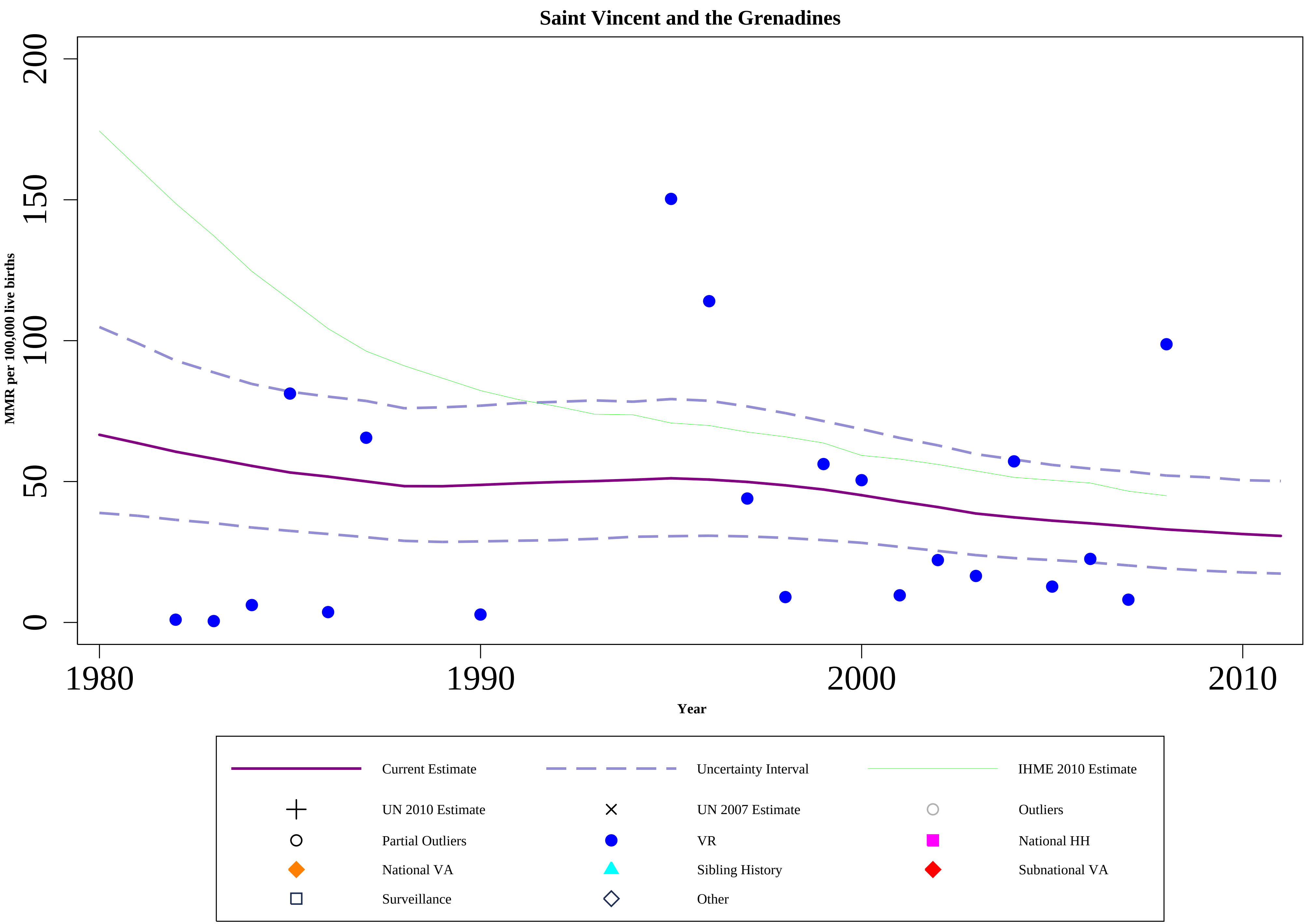
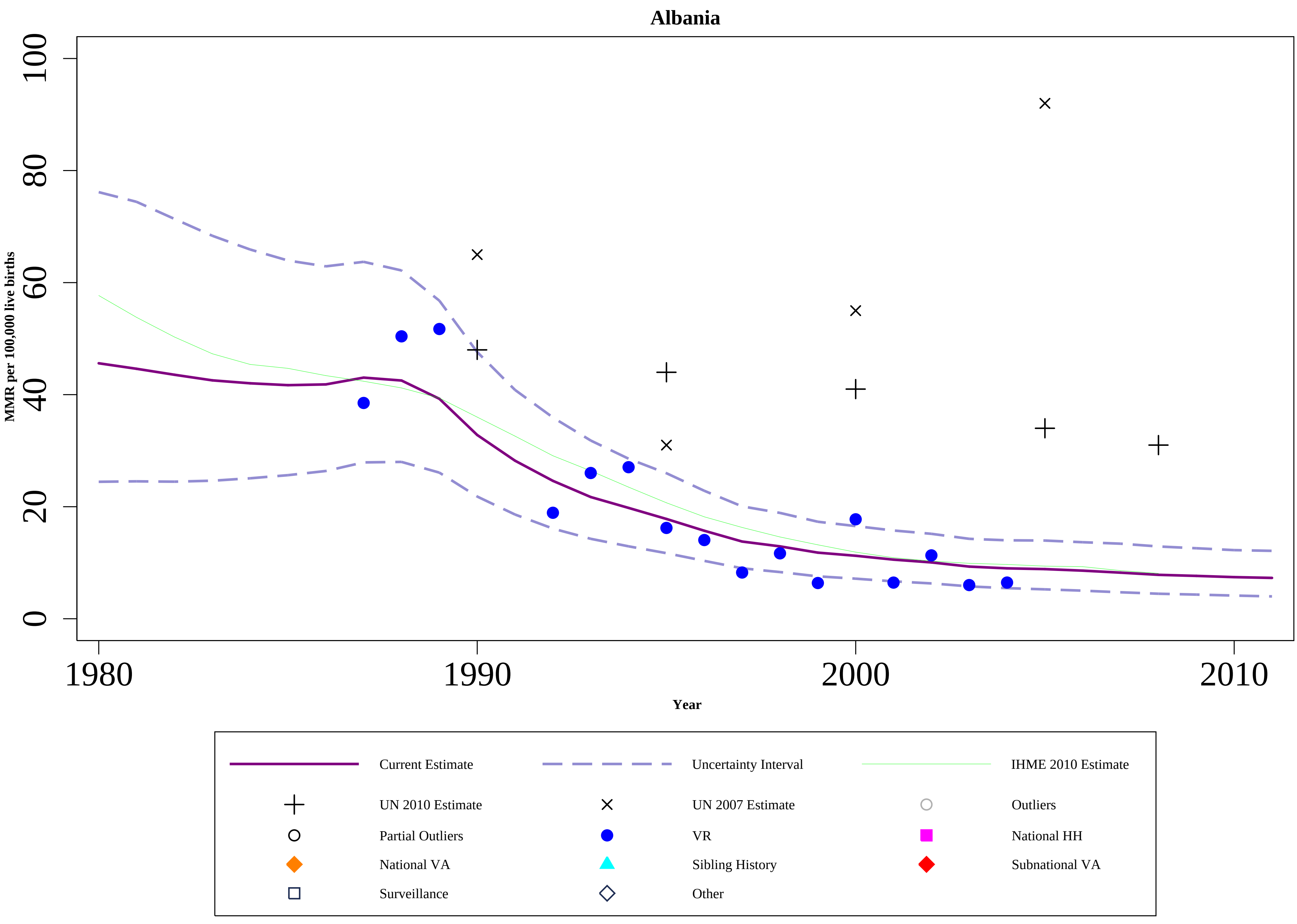
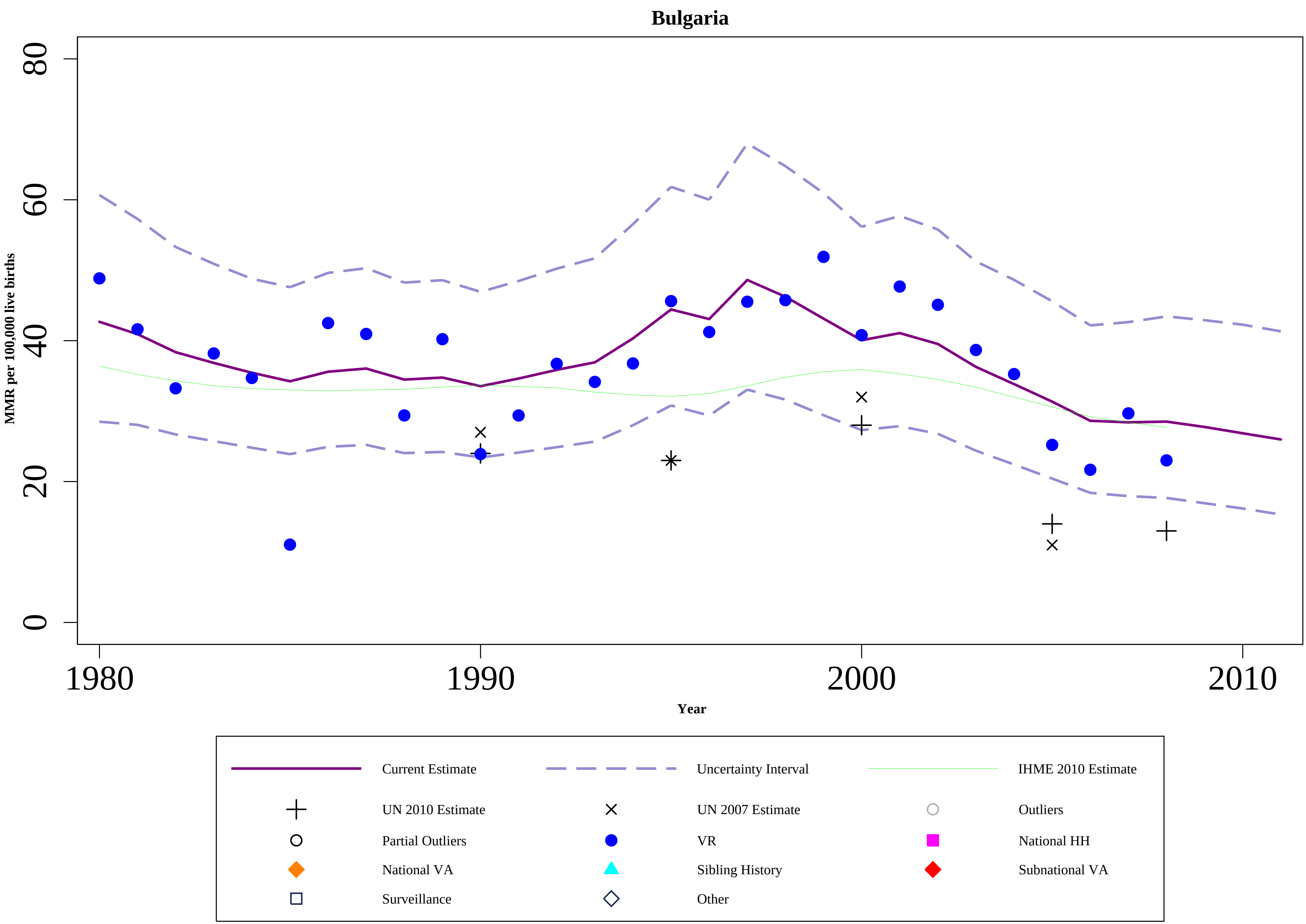
Subnational VA
Surveillance
Other



Saint Vincent and the Grenadines
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Albania
MMR per 100,000 live births
0
20
40
60
80
100
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Bulgaria
MMR per 100,000 live births
0
20
40
60
80
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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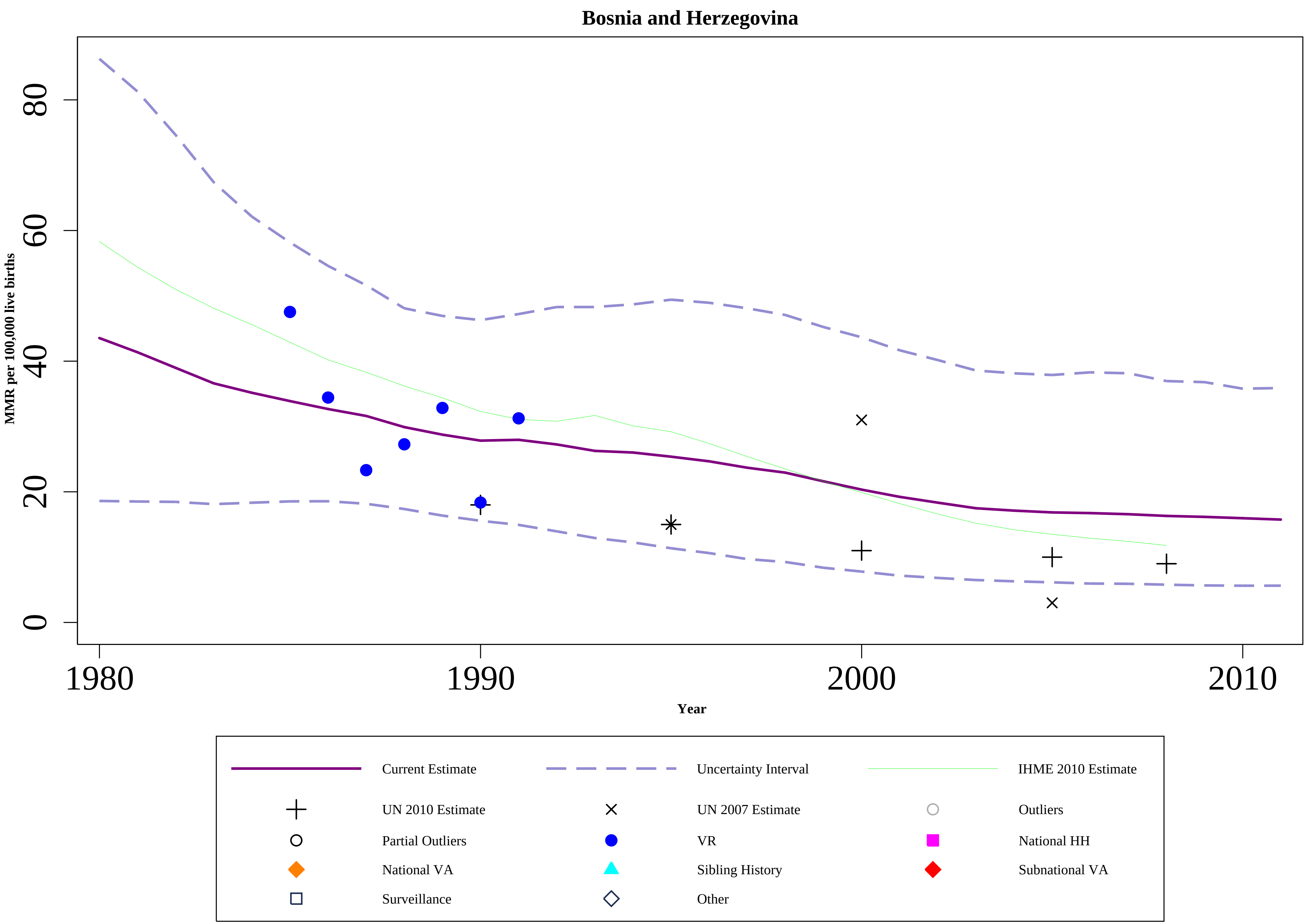
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Bosnia and Herzegovina
MMR per 100,000 live births
0
20
40
60
80
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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VR
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National VA
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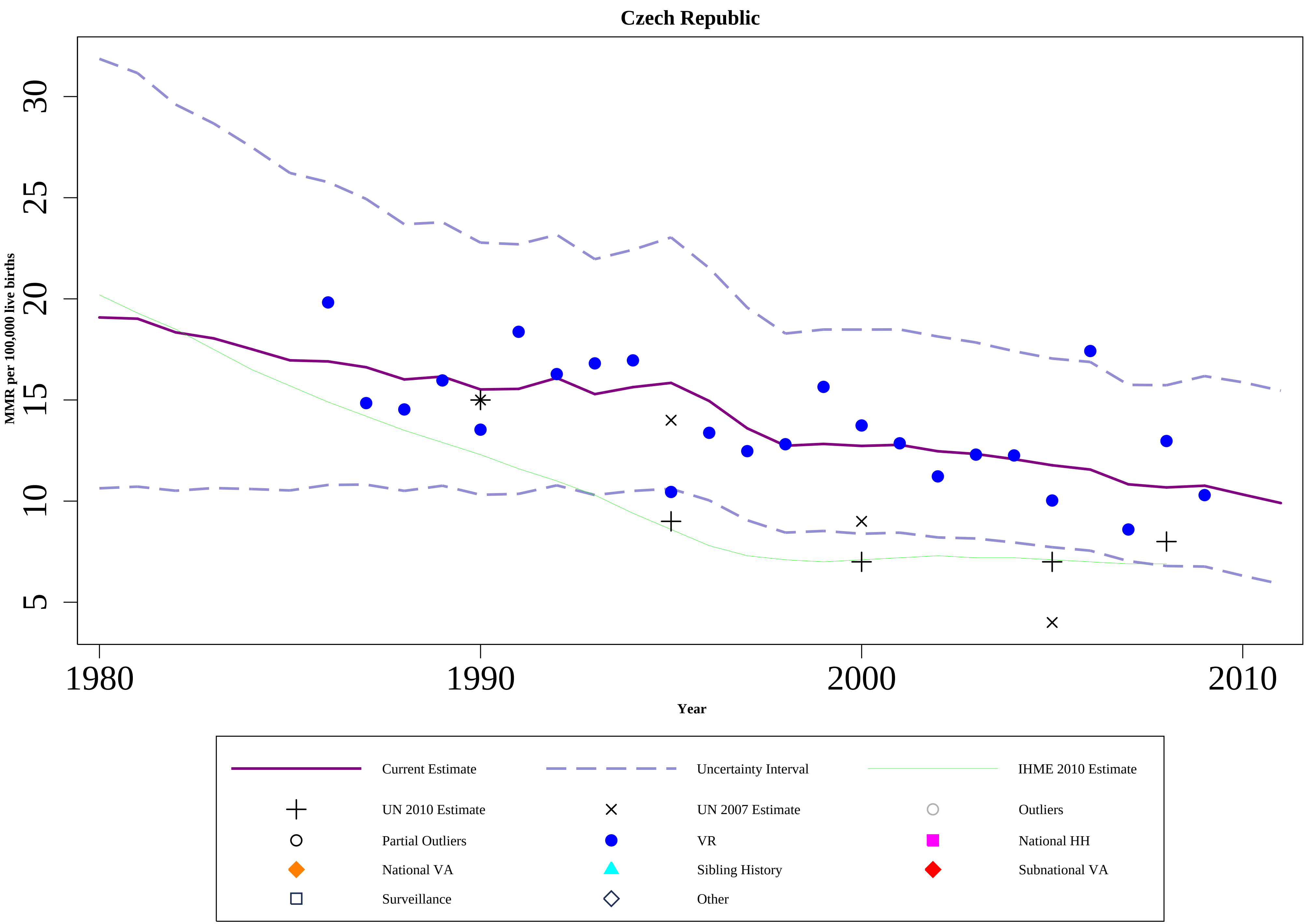
Subnational VA
Surveillance
Other



Czech Republic
MMR per 100,000 live births
30
25
20
15
10
5
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
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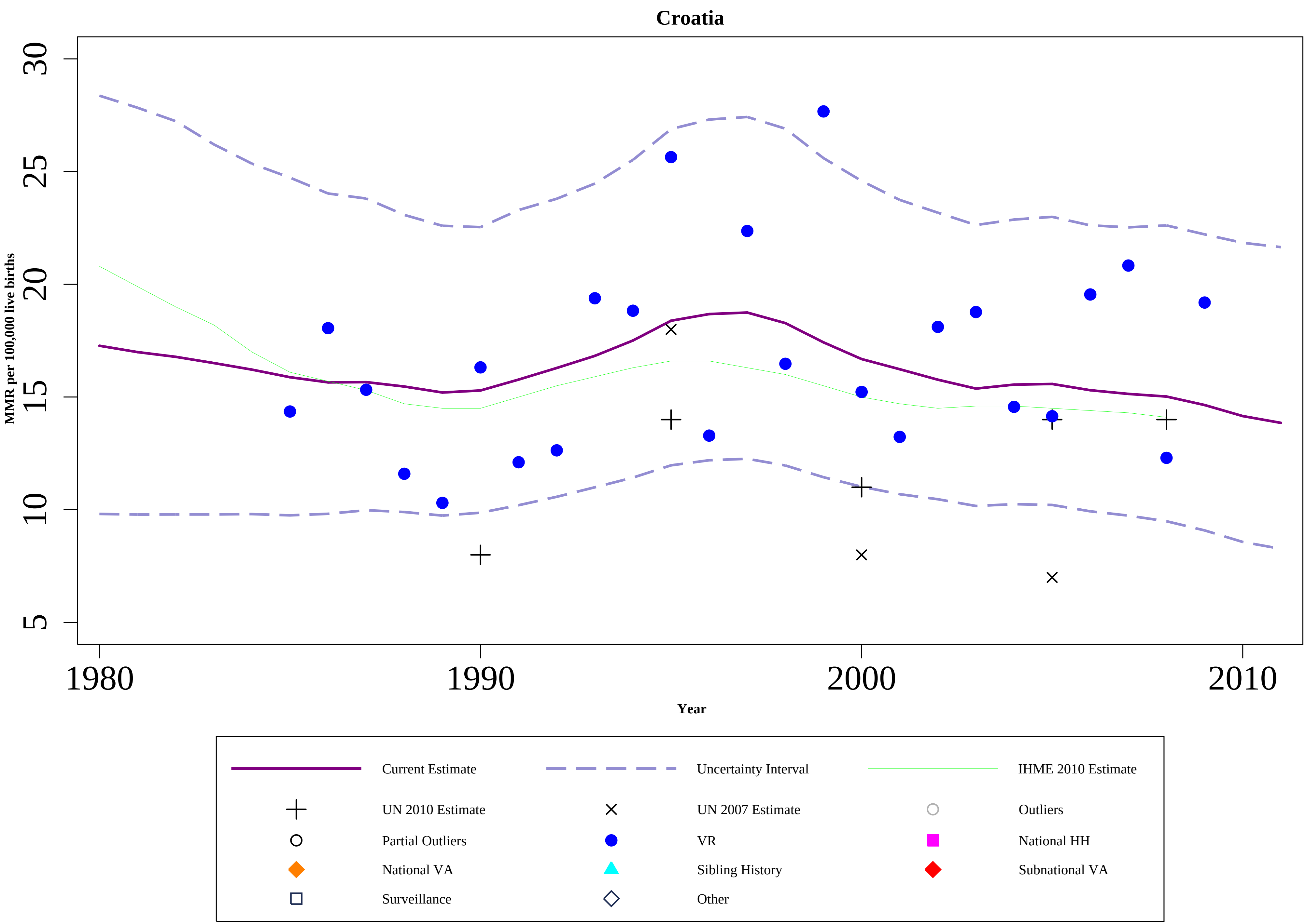
Sibling History
Subnational VA
Surveillance
Other


Croatia
MMR per 100,000 live births
30
25
20
15
10
5
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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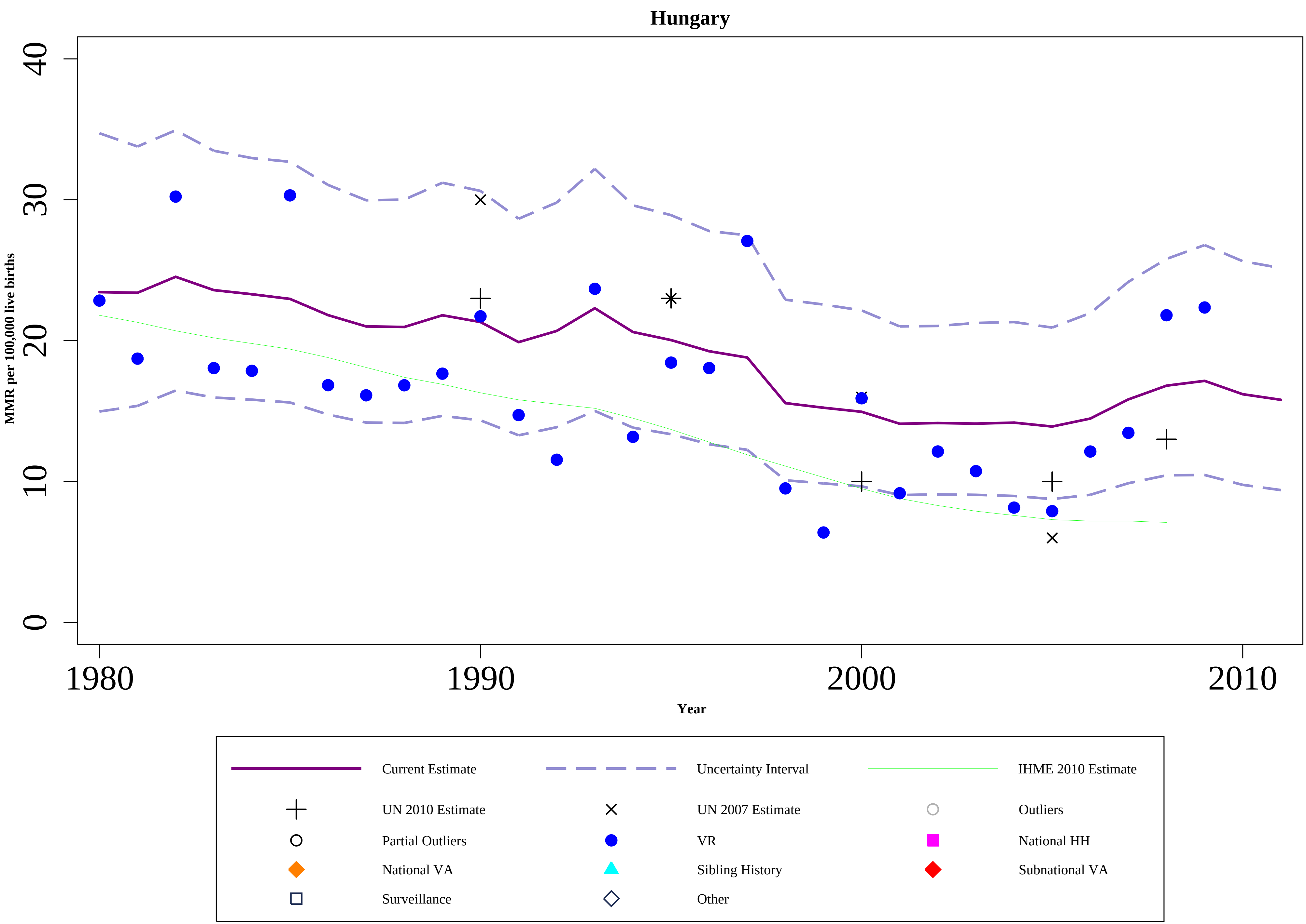
Sibling History
Subnational VA
Surveillance
Other


Hungary
MMR per 100,000 live births
0
10
20
30
40
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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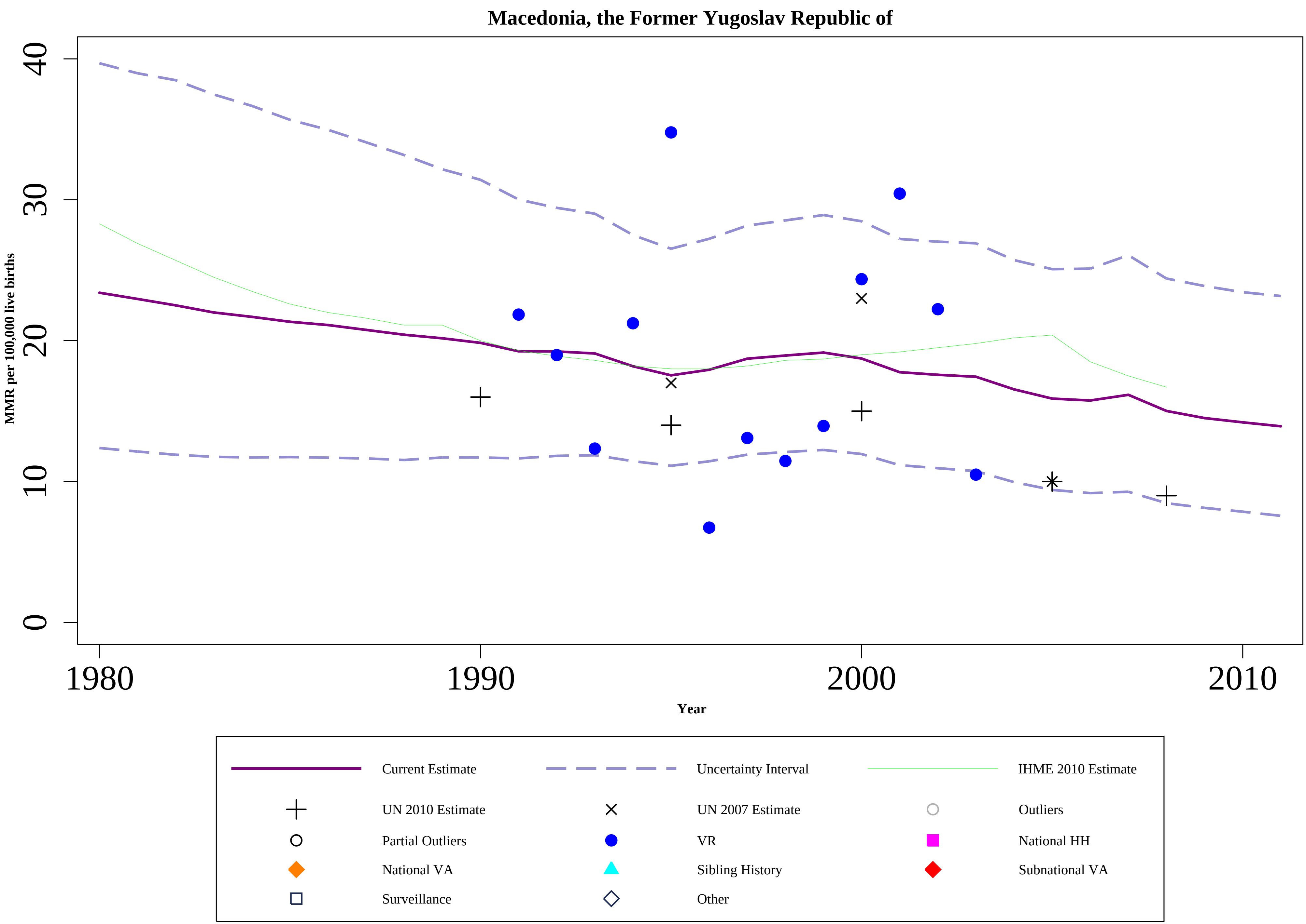
Sibling History
Subnational VA
Surveillance
Other



Macedonia, the Former Yugoslav Republic of
MMR per 100,000 live births
0
10
20
30
40
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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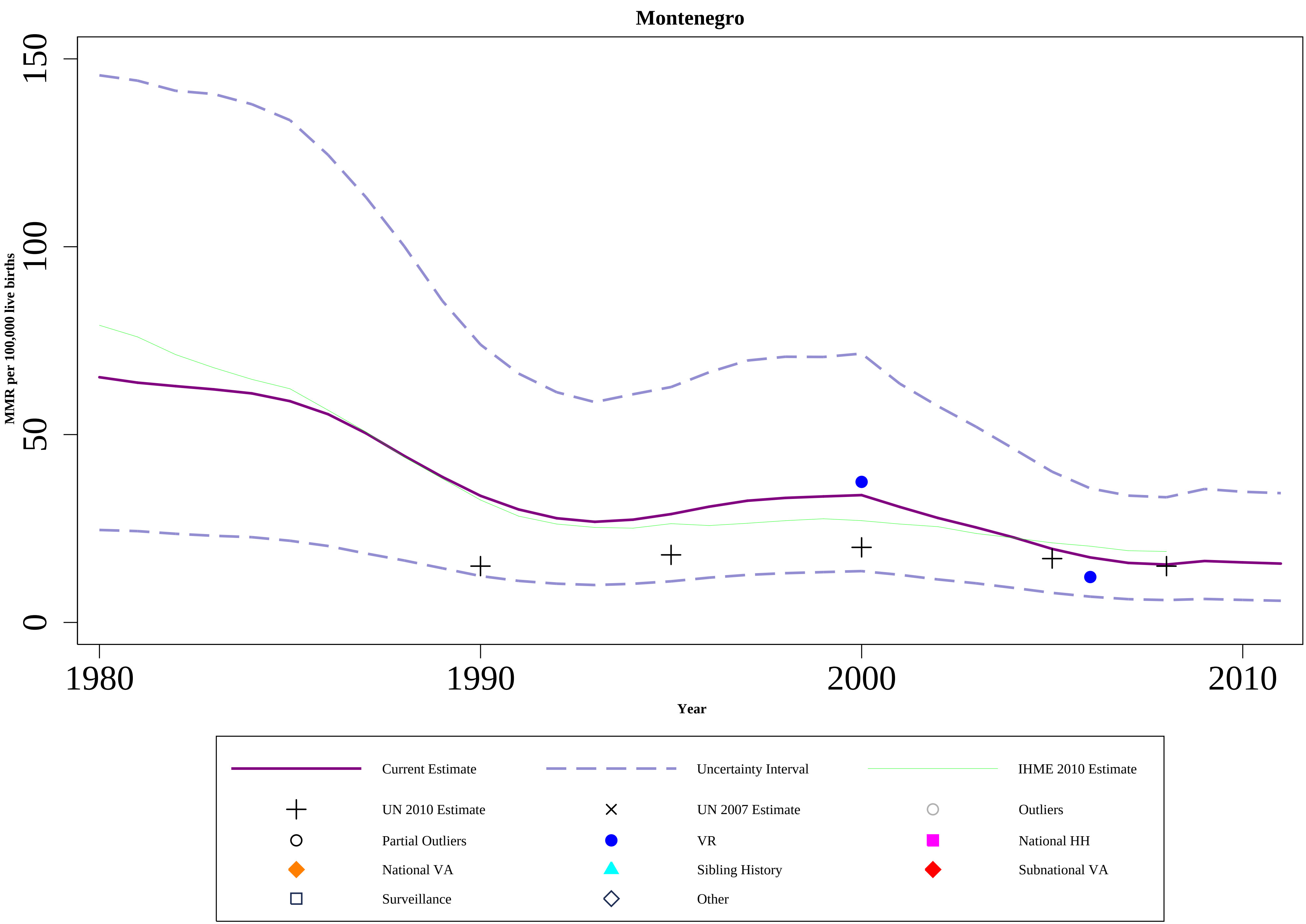
National VA
Sibling History
Subnational VA
Surveillance
Other


Montenegro
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Sibling History
Subnational VA
Surveillance
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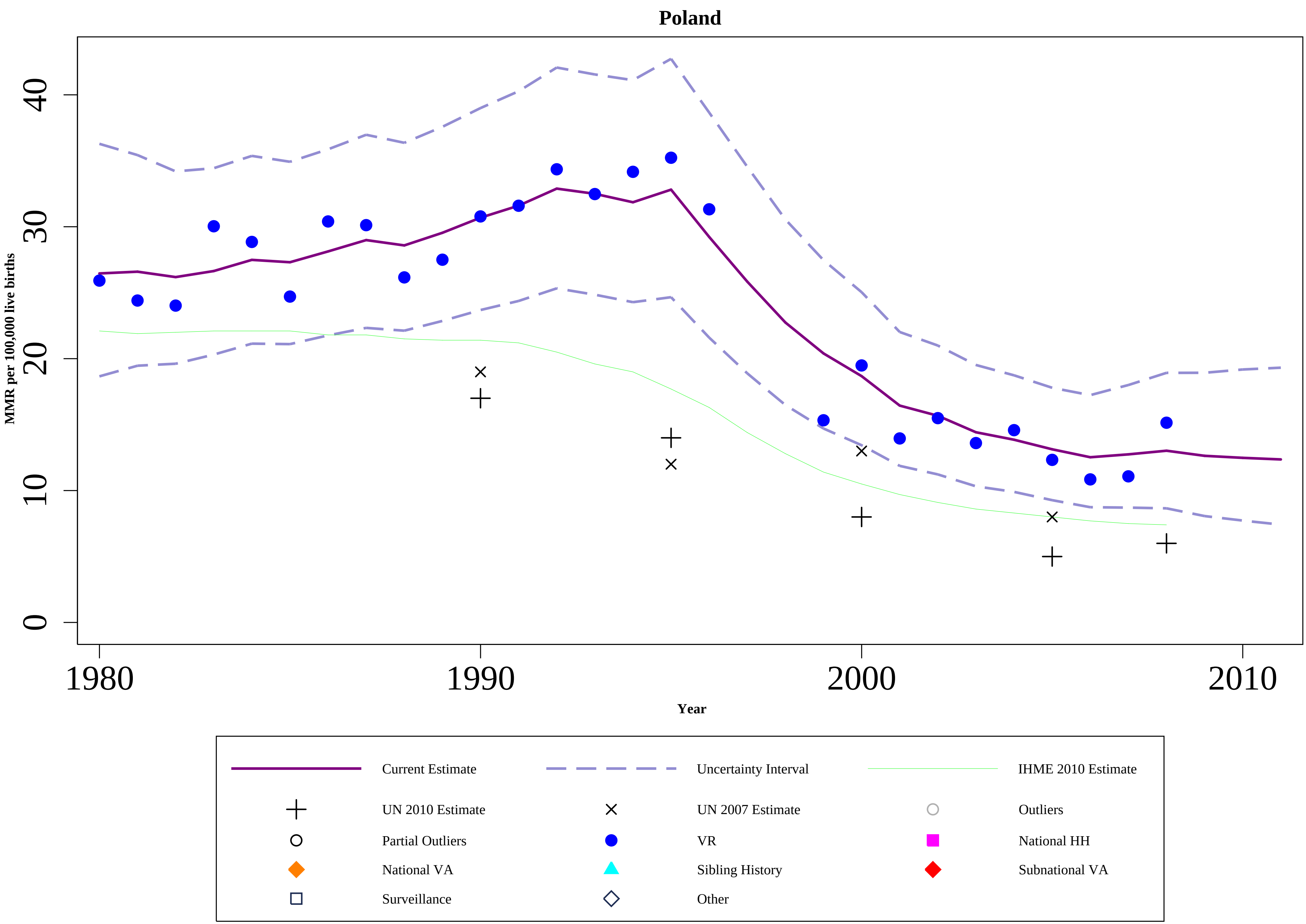
Poland
MMR per 100,000 live births
0
10
20
30
40
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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National VA
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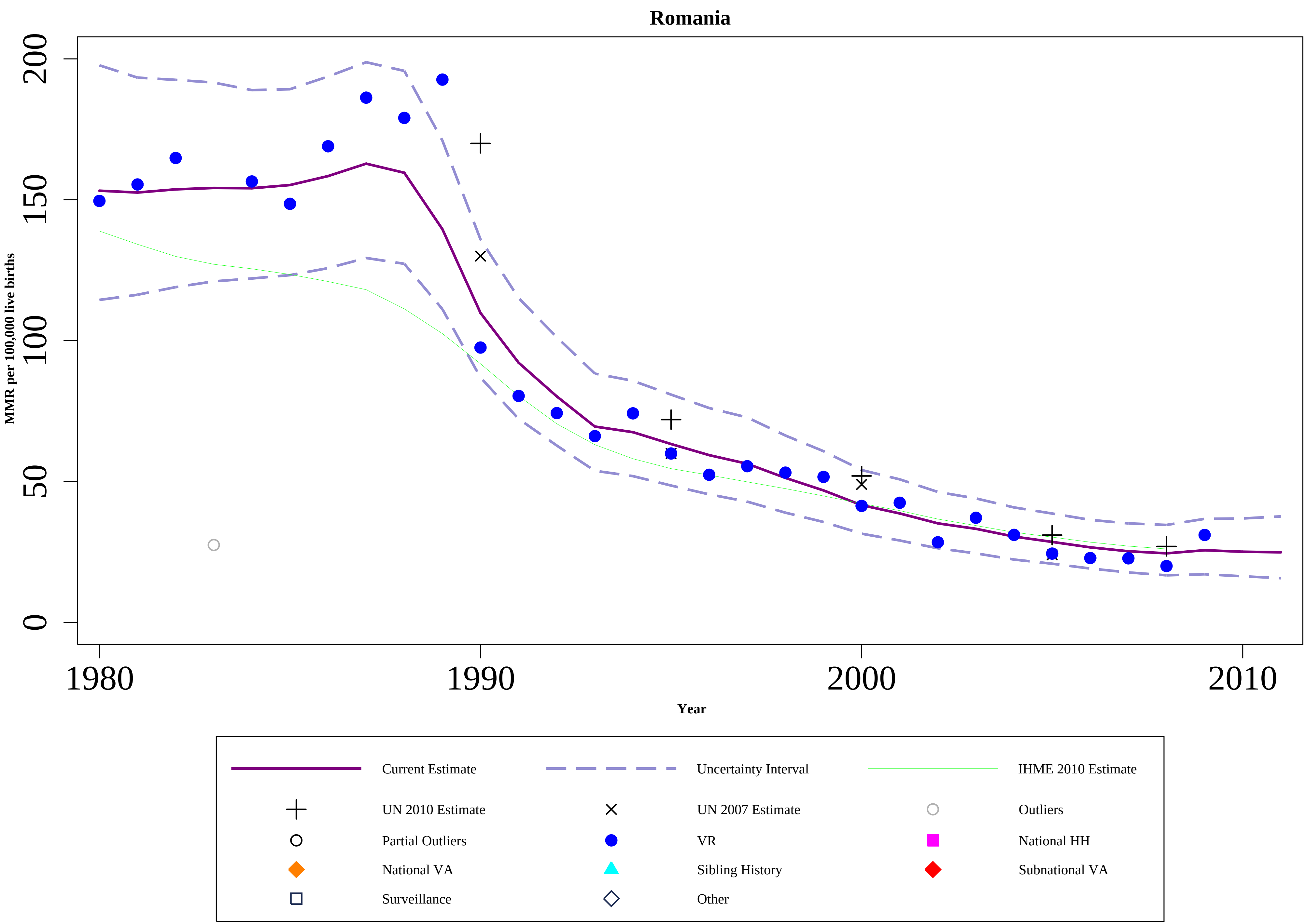
Subnational VA
Surveillance
Other



Romania
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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Subnational VA
Surveillance
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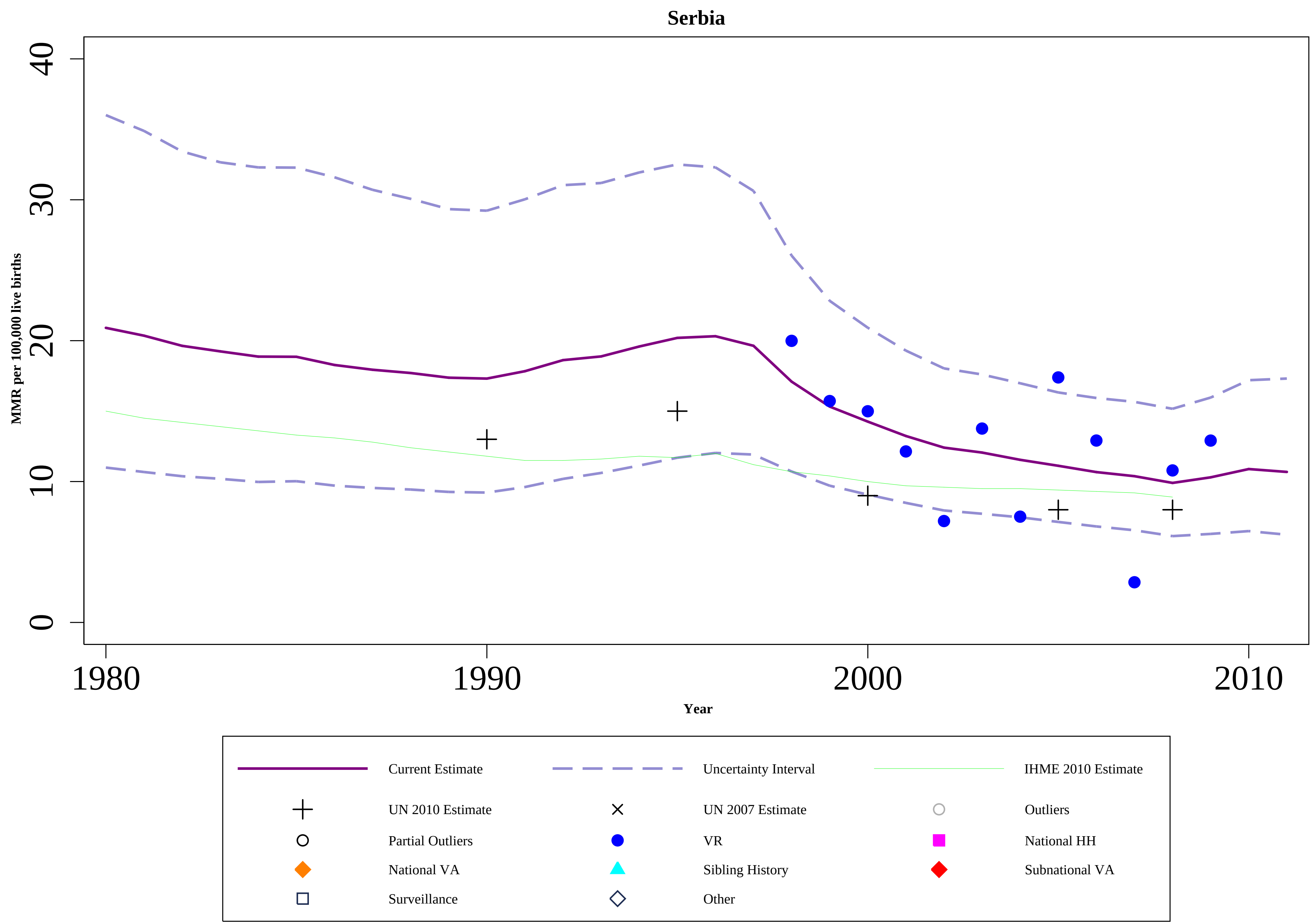
Serbia
MMR per 100,000 live births
0
10
20
30
40
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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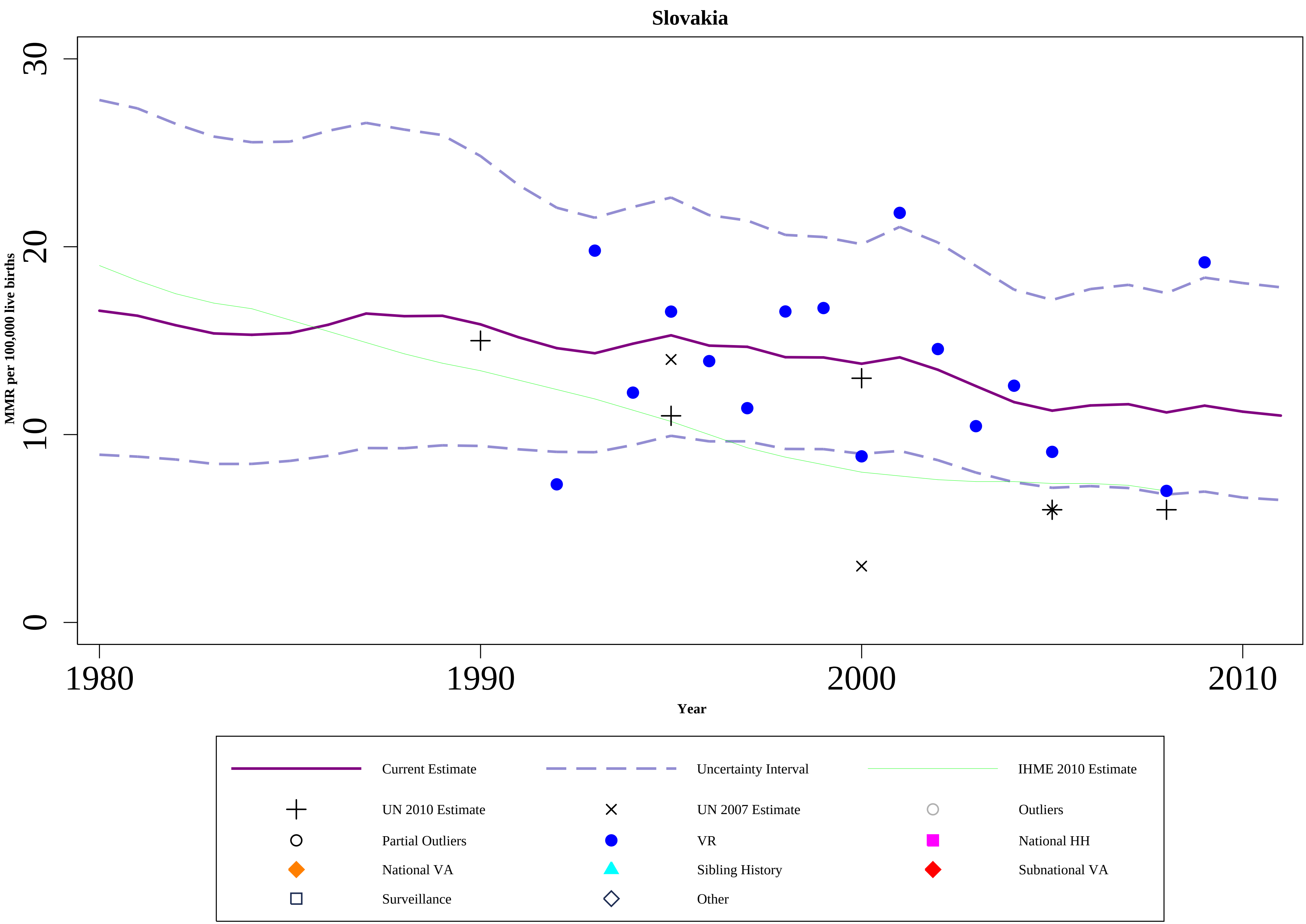
Subnational VA
Surveillance
Other



Slovakia
MMR per 100,000 live births
0
10
20
30
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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Subnational VA
Surveillance
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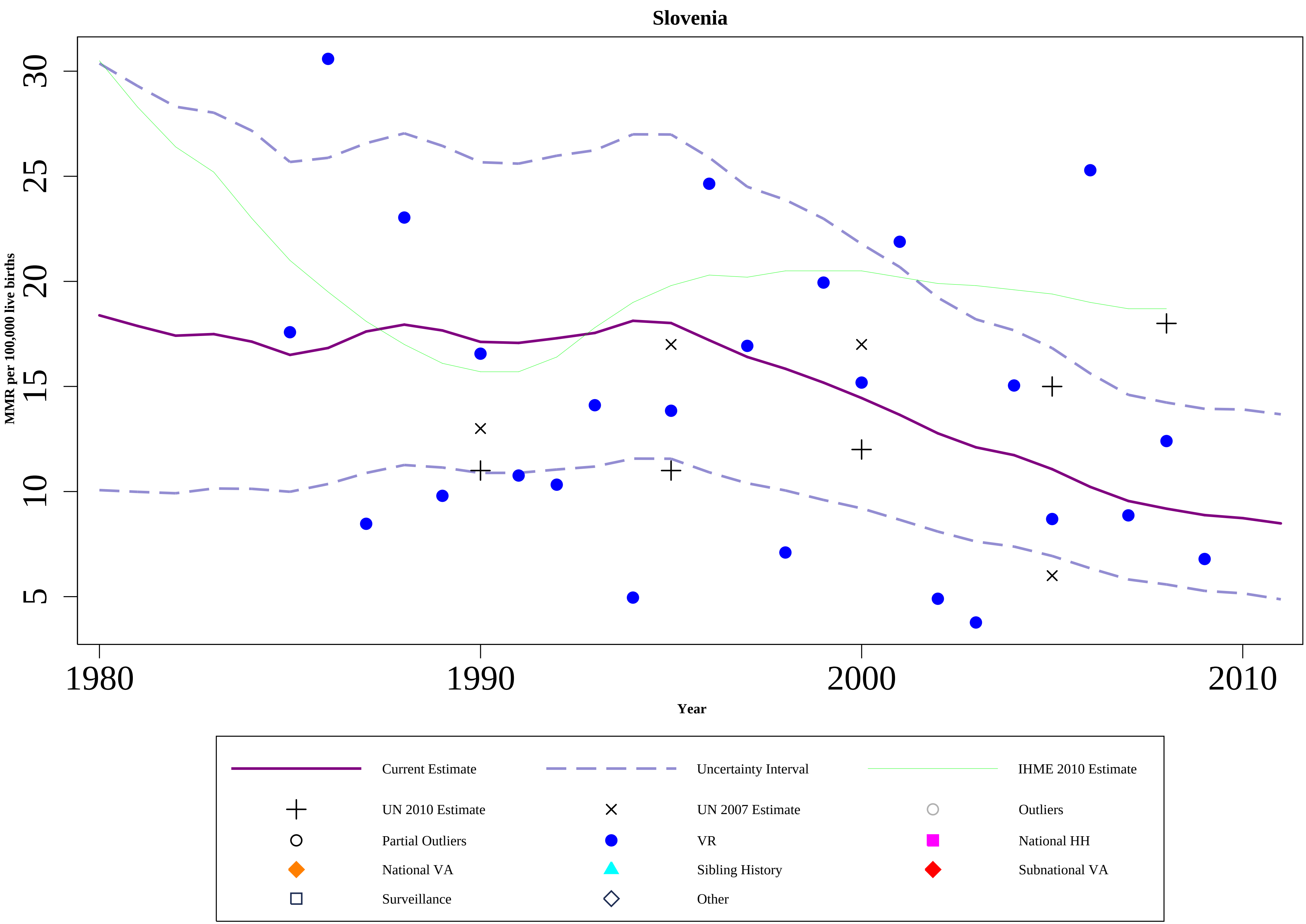

Slovenia
MMR per 100,000 live births
30
25
20
15
10
5
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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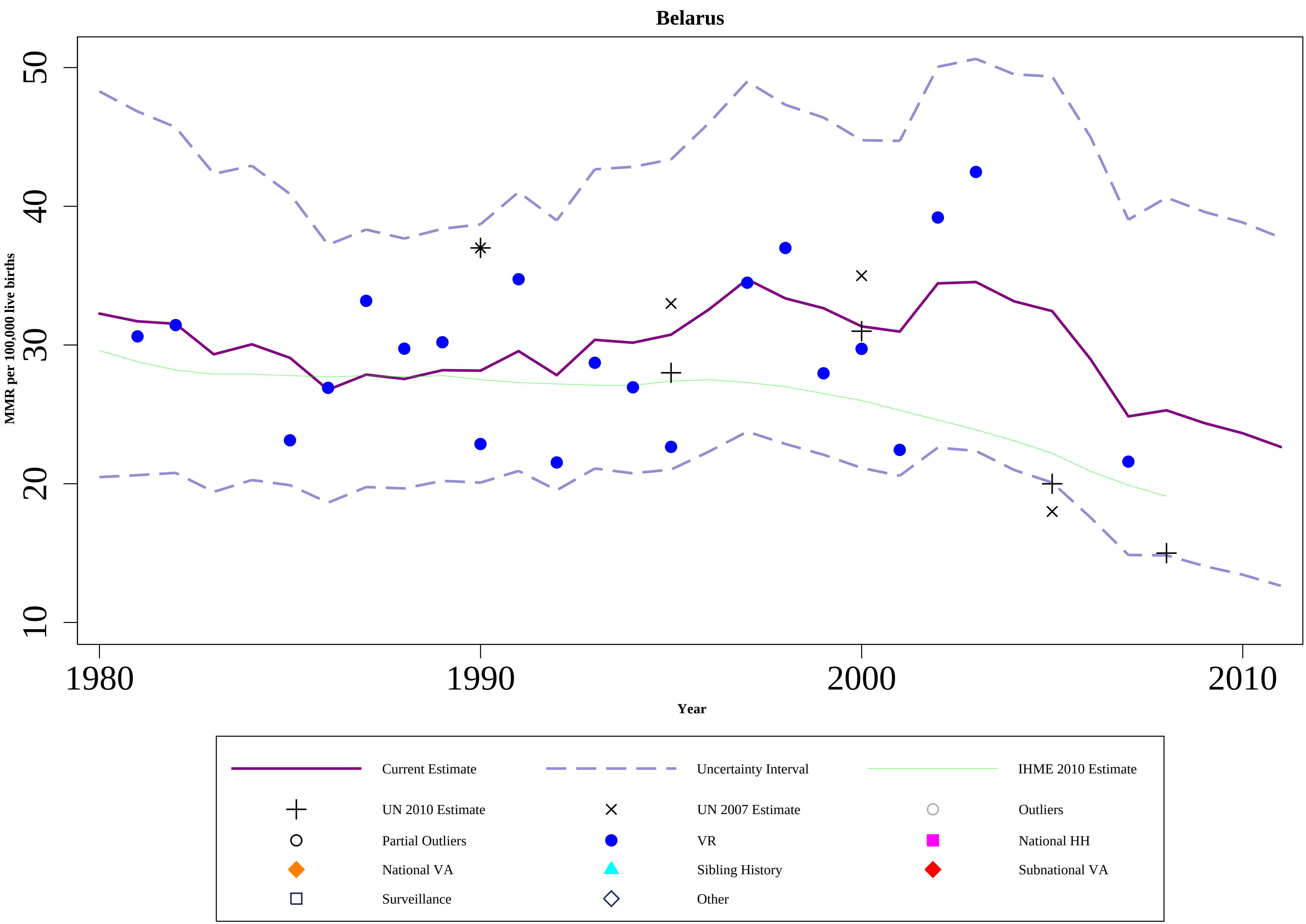
Belarus
MMR per 100,000 live births
Year
10
20
30
40
50
1980
1990
2000
2010
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Subnational VA
Surveillance
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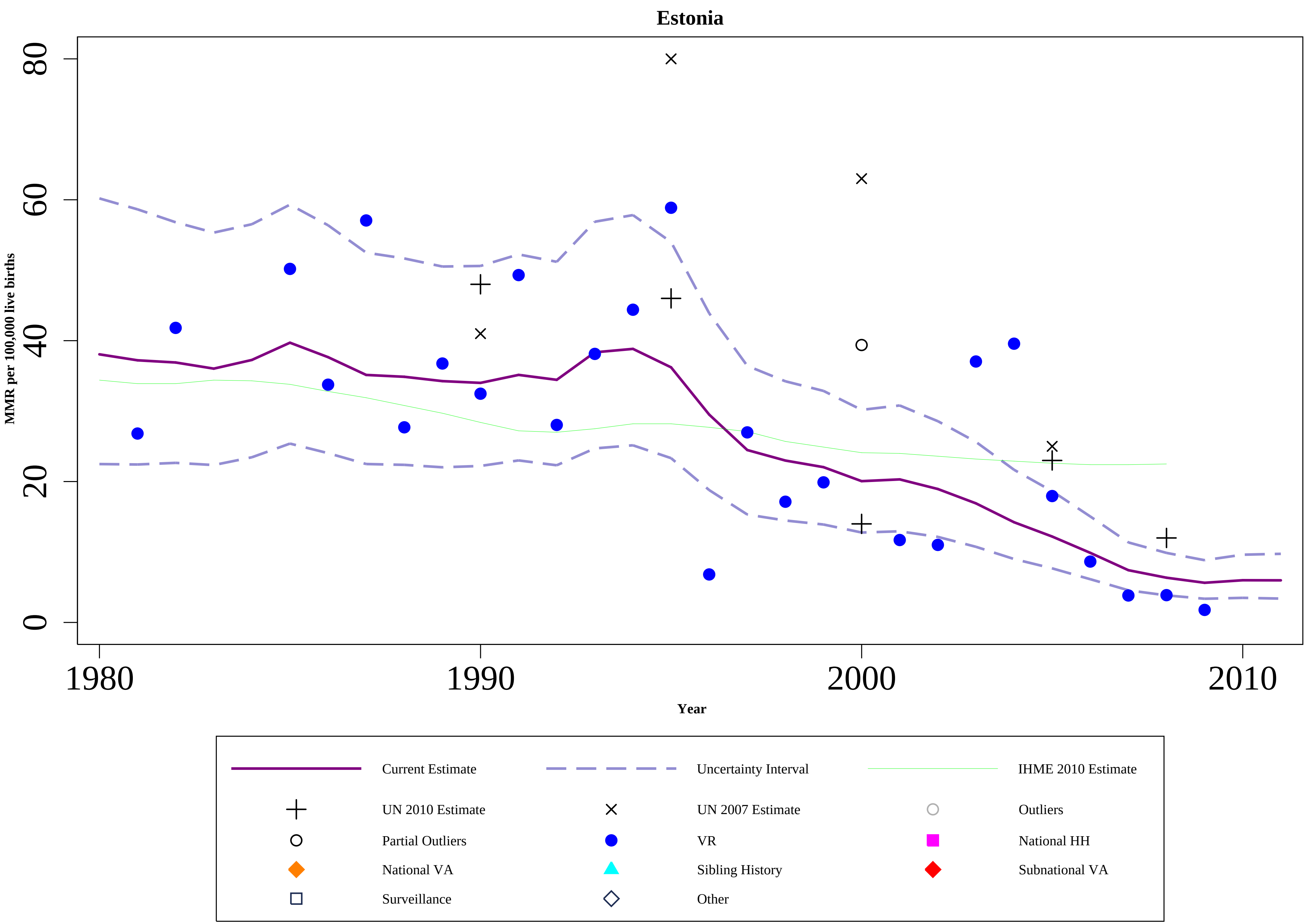

Estonia
MMR per 100,000 live births
0
20
40
60
80
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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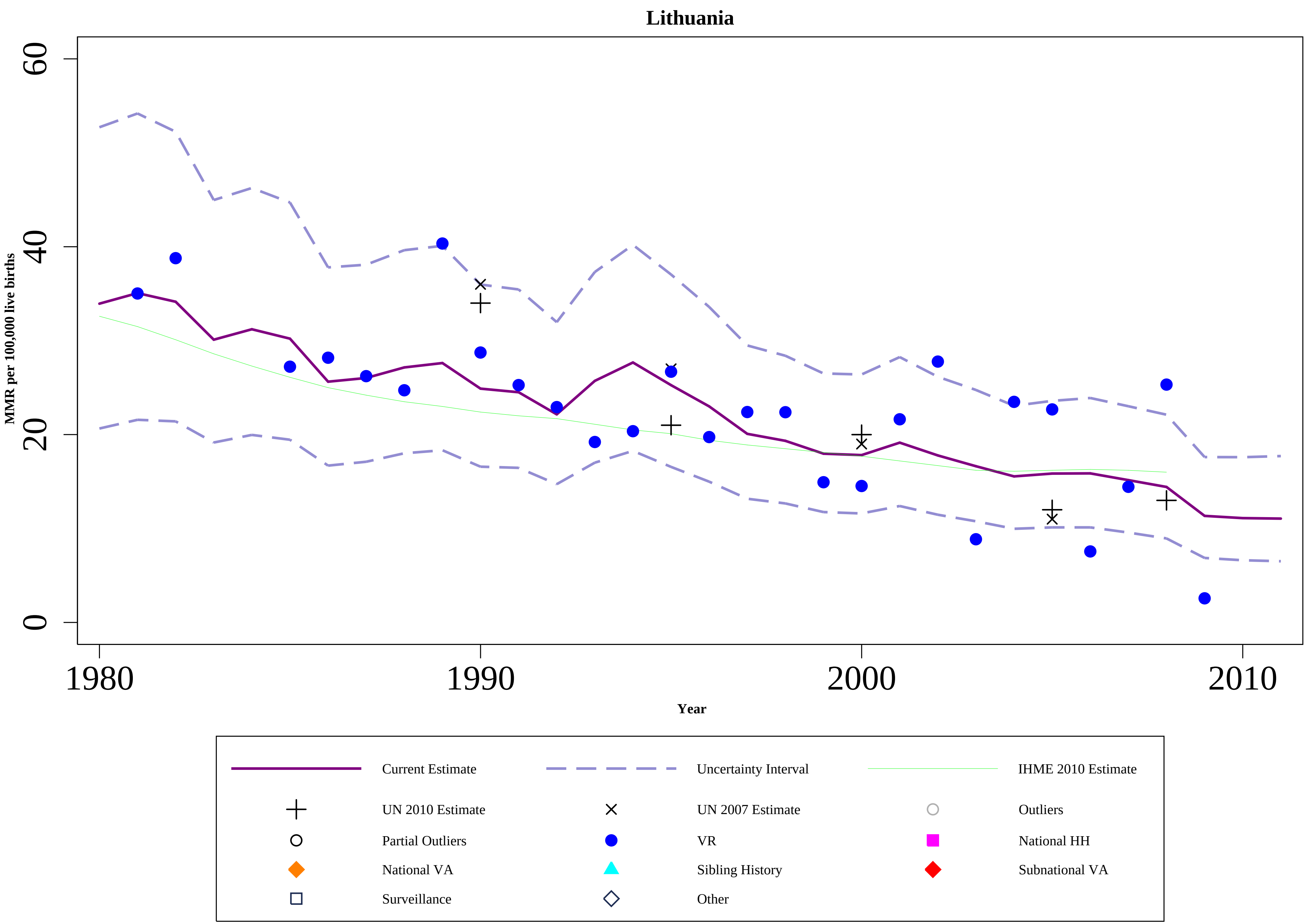
Subnational VA
Surveillance
Other



Lithuania
MMR per 100,000 live births
0
20
40
60
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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National VA
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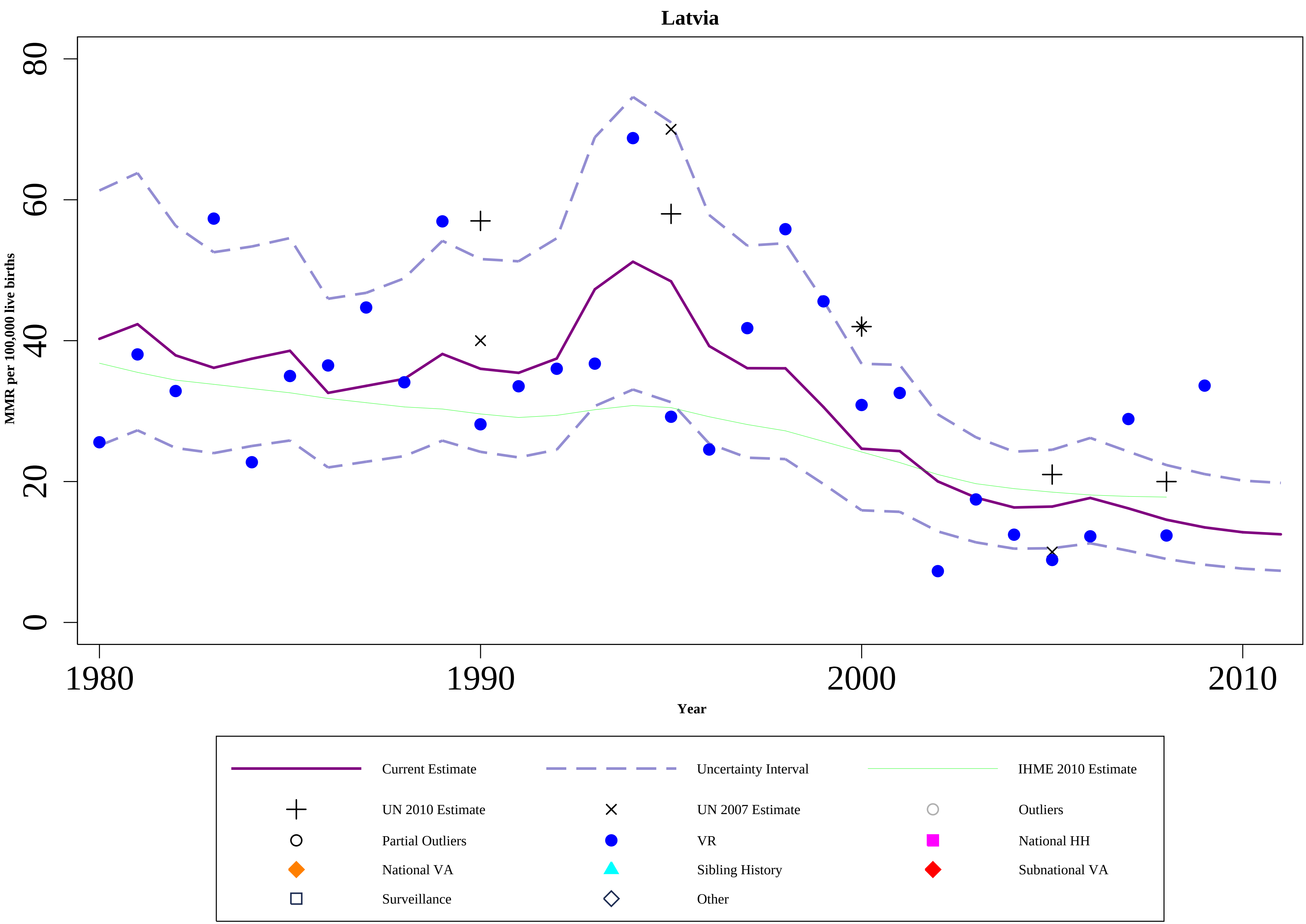
Subnational VA
Surveillance
Other


Latvia
MMR per 100,000 live births
0
20
40
60
80
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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VR
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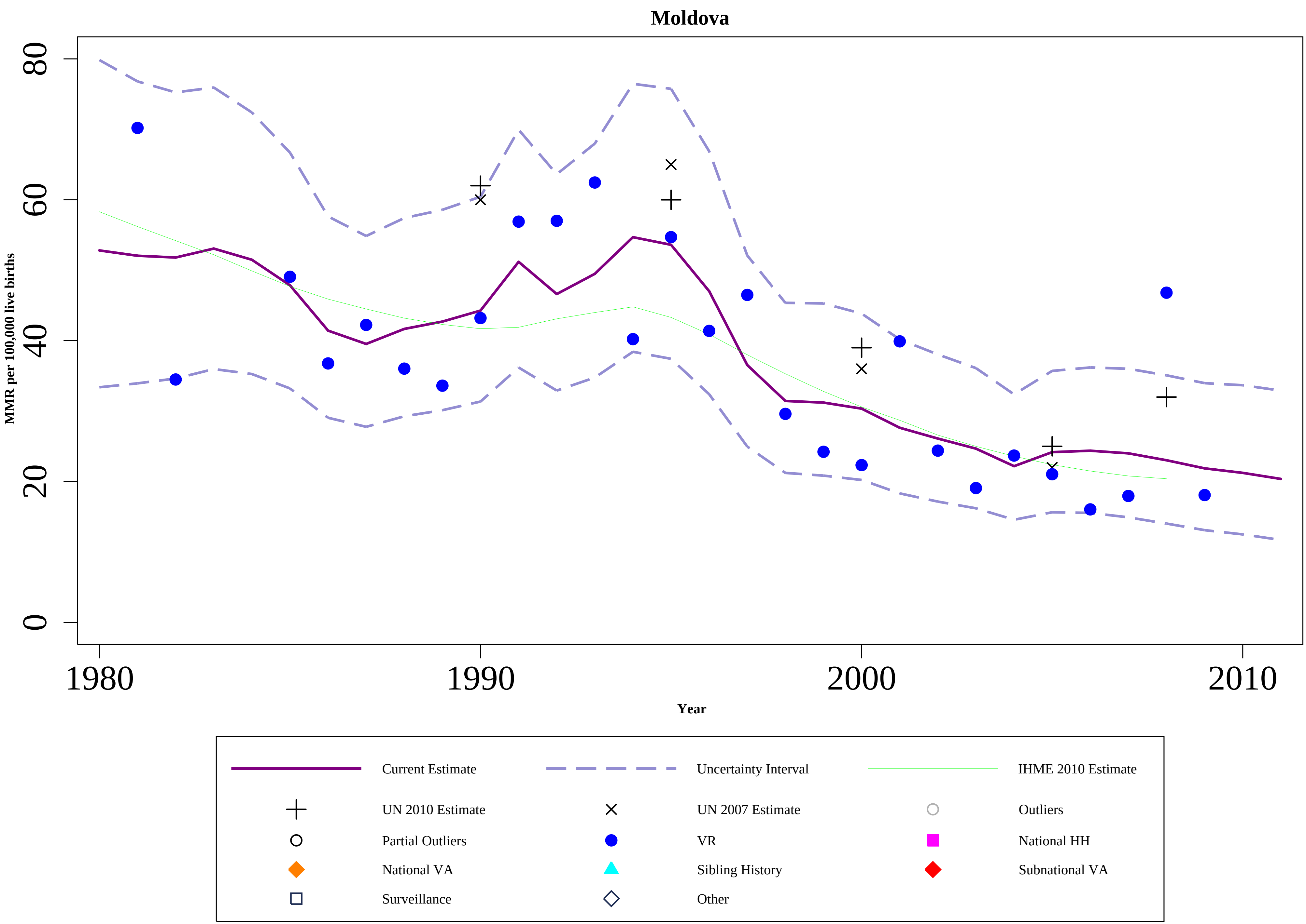
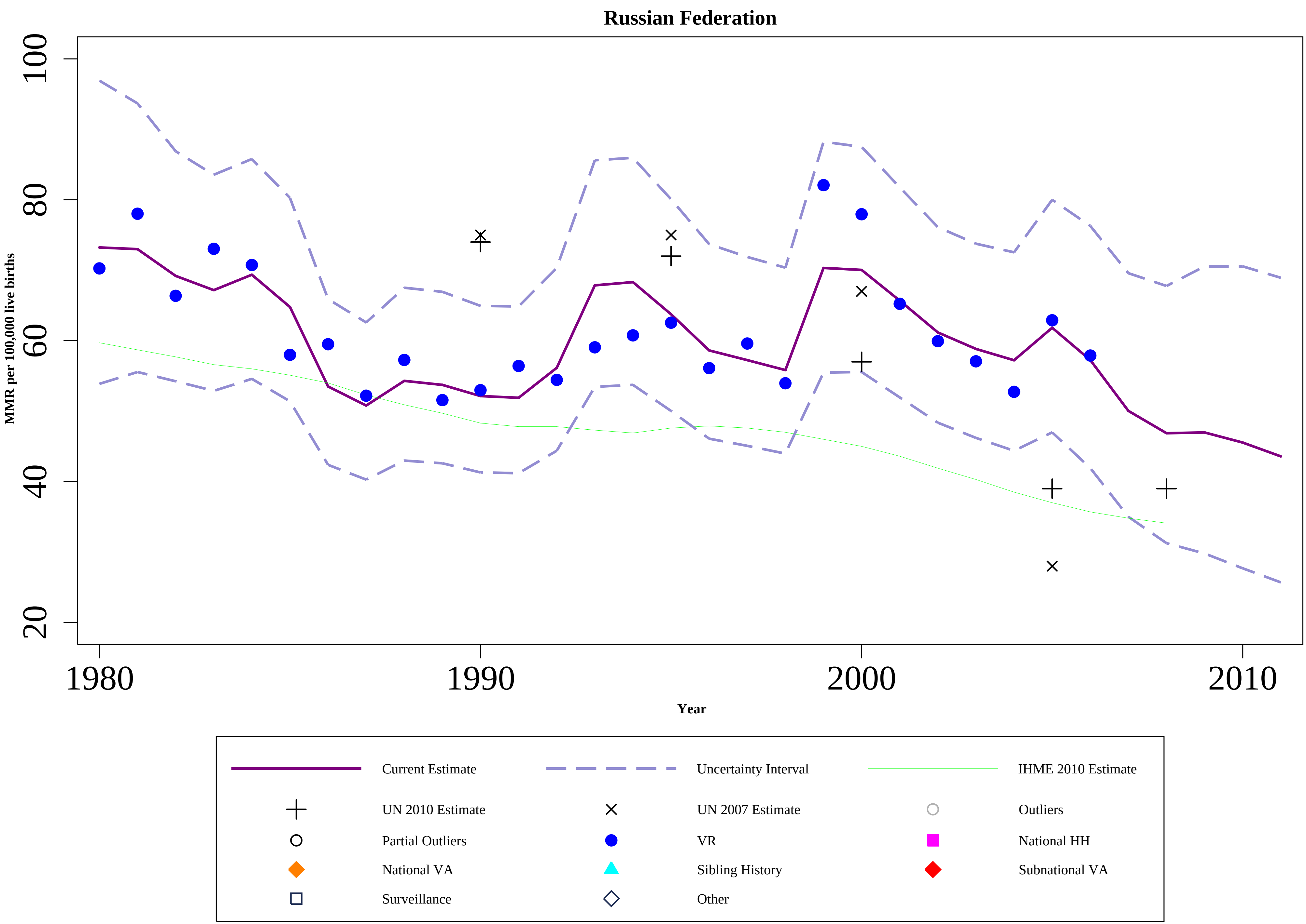
National VA
Sibling History
Subnational VA
Surveillance
Other


Moldova
MMR per 100,000 live births
0
20
40
60
80
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Russian Federation
MMR per 100,000 live births
100
80
60
40
20
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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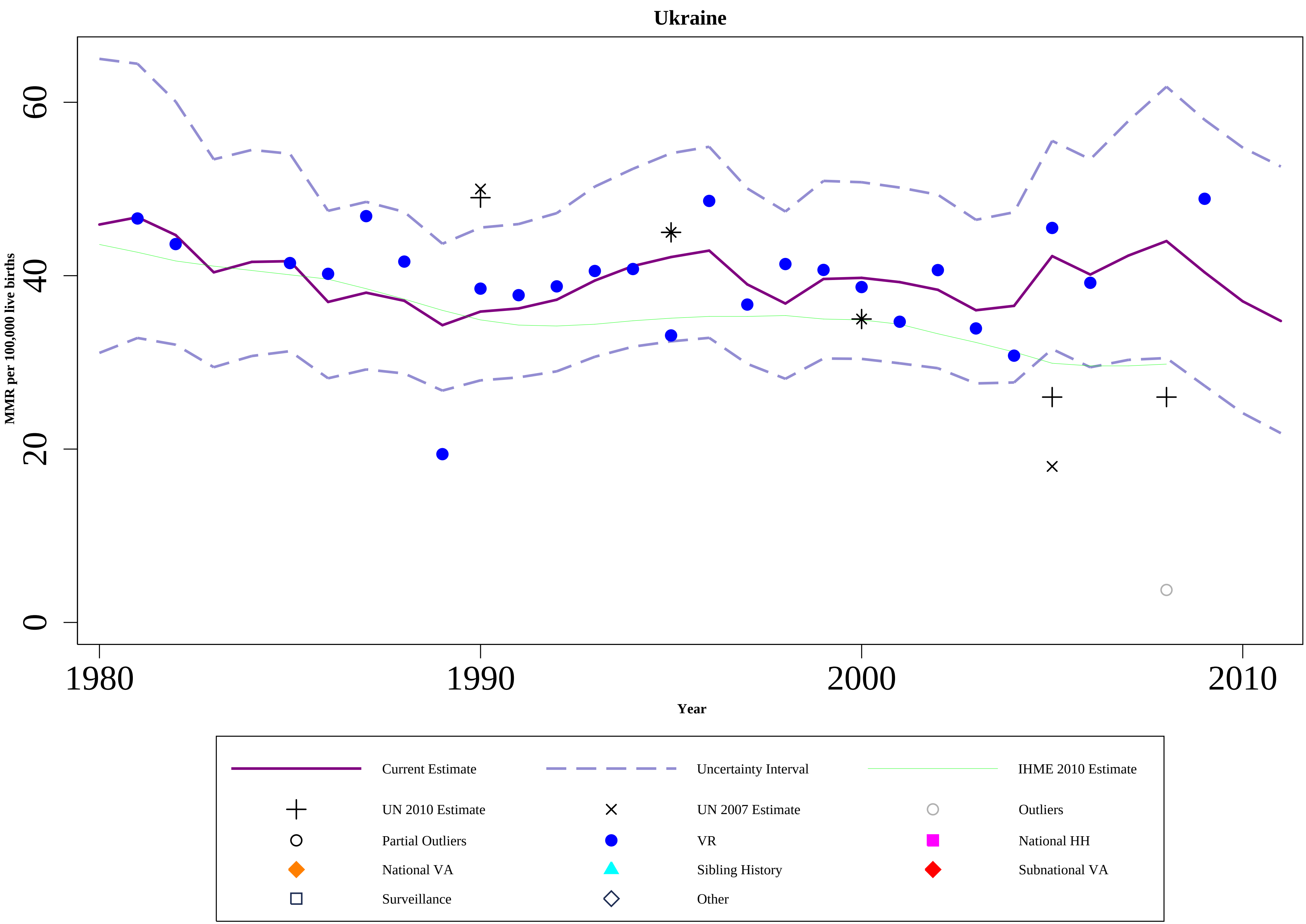
National VA
Sibling History
Subnational VA
Surveillance
Other


Ukraine
MMR per 100,000 live births
0
20
40
60
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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National HH
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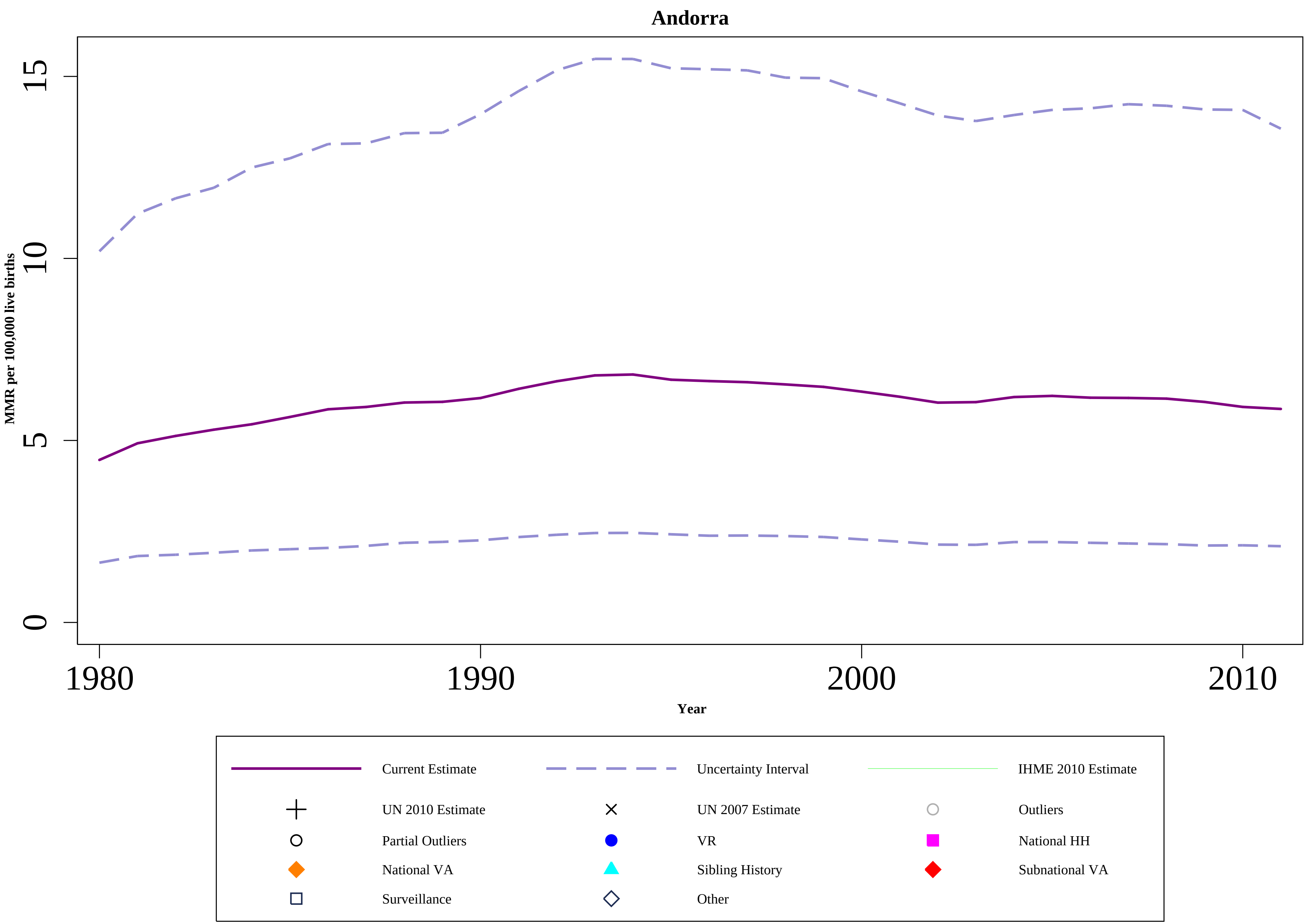
Subnational VA
Surveillance
Other


Andorra
MMR per 100,000 live births
0
5
10
15
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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VR
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Sibling History
Subnational VA
Surveillance
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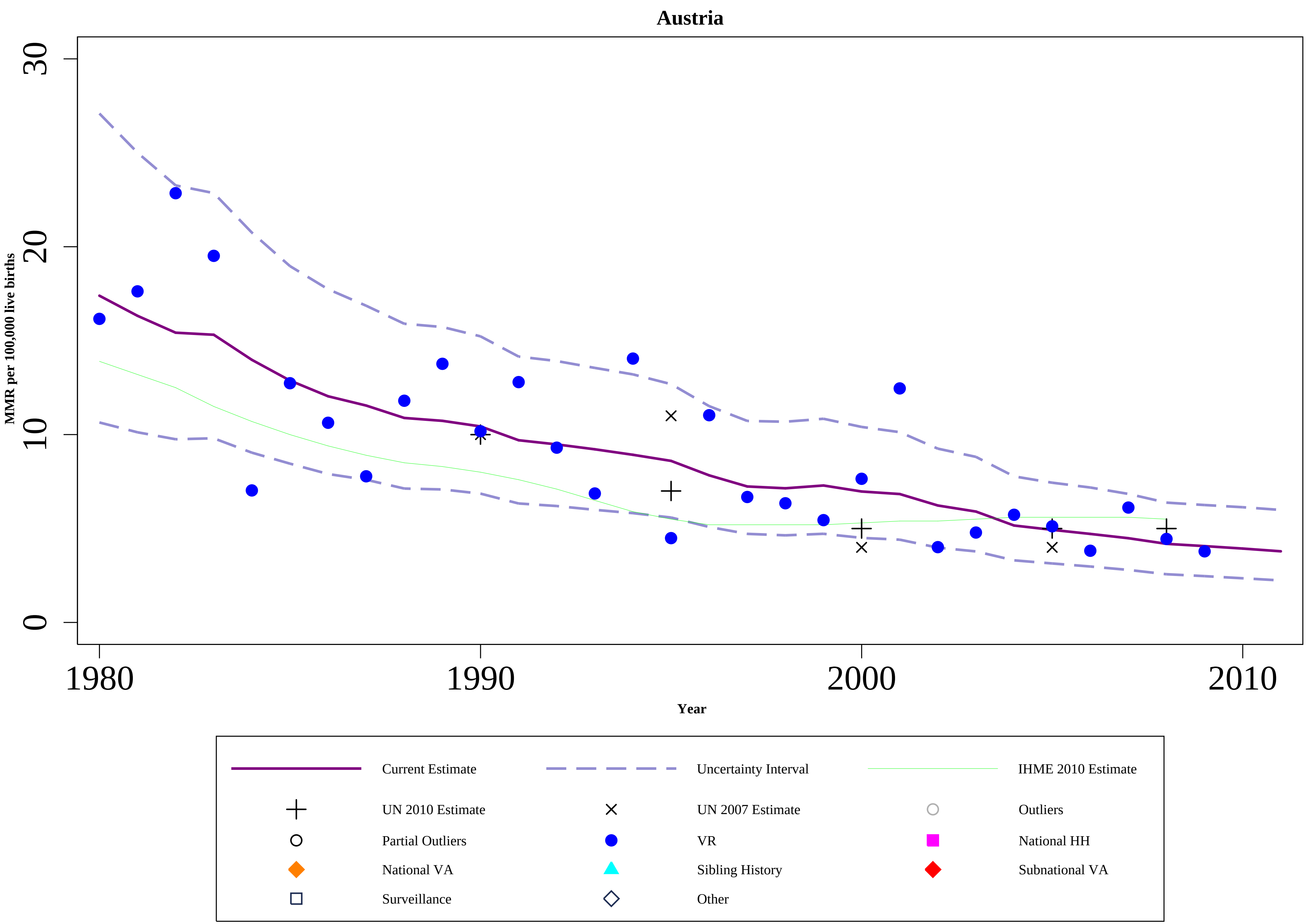
Austria
MMR per 100,000 live births
0
10
20
30
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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UN 2007 Estimate
Outliers
Partial Outliers
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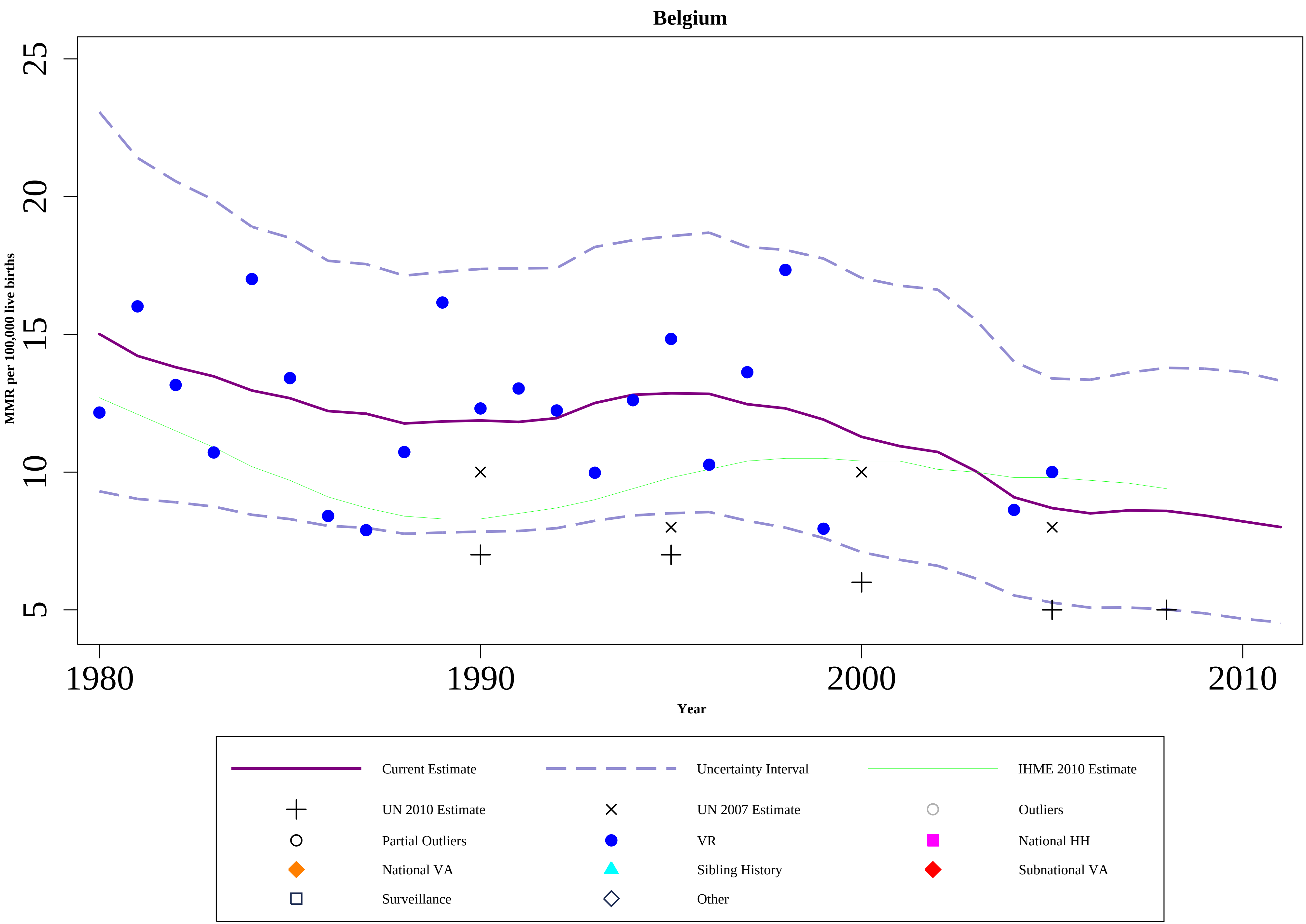
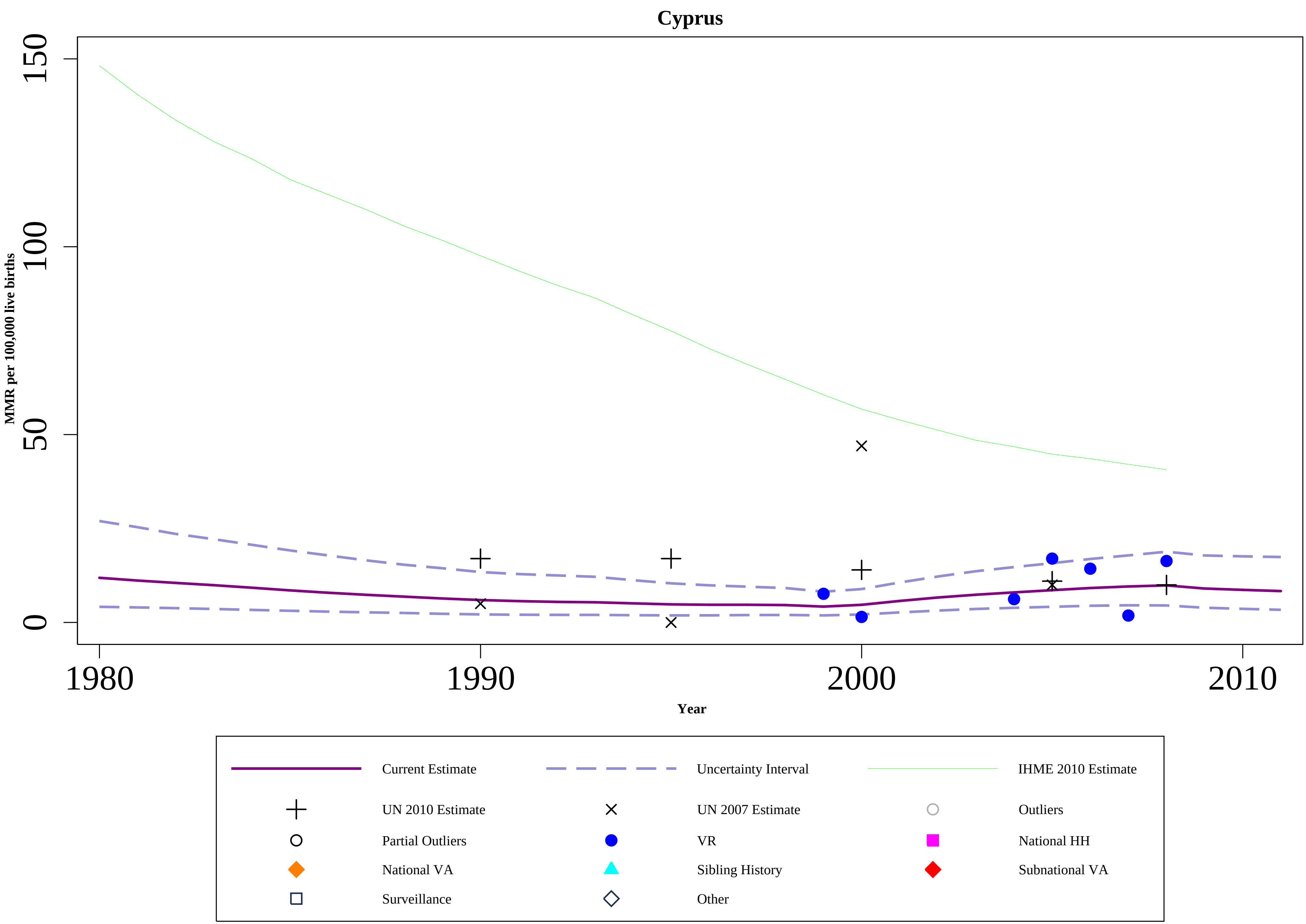
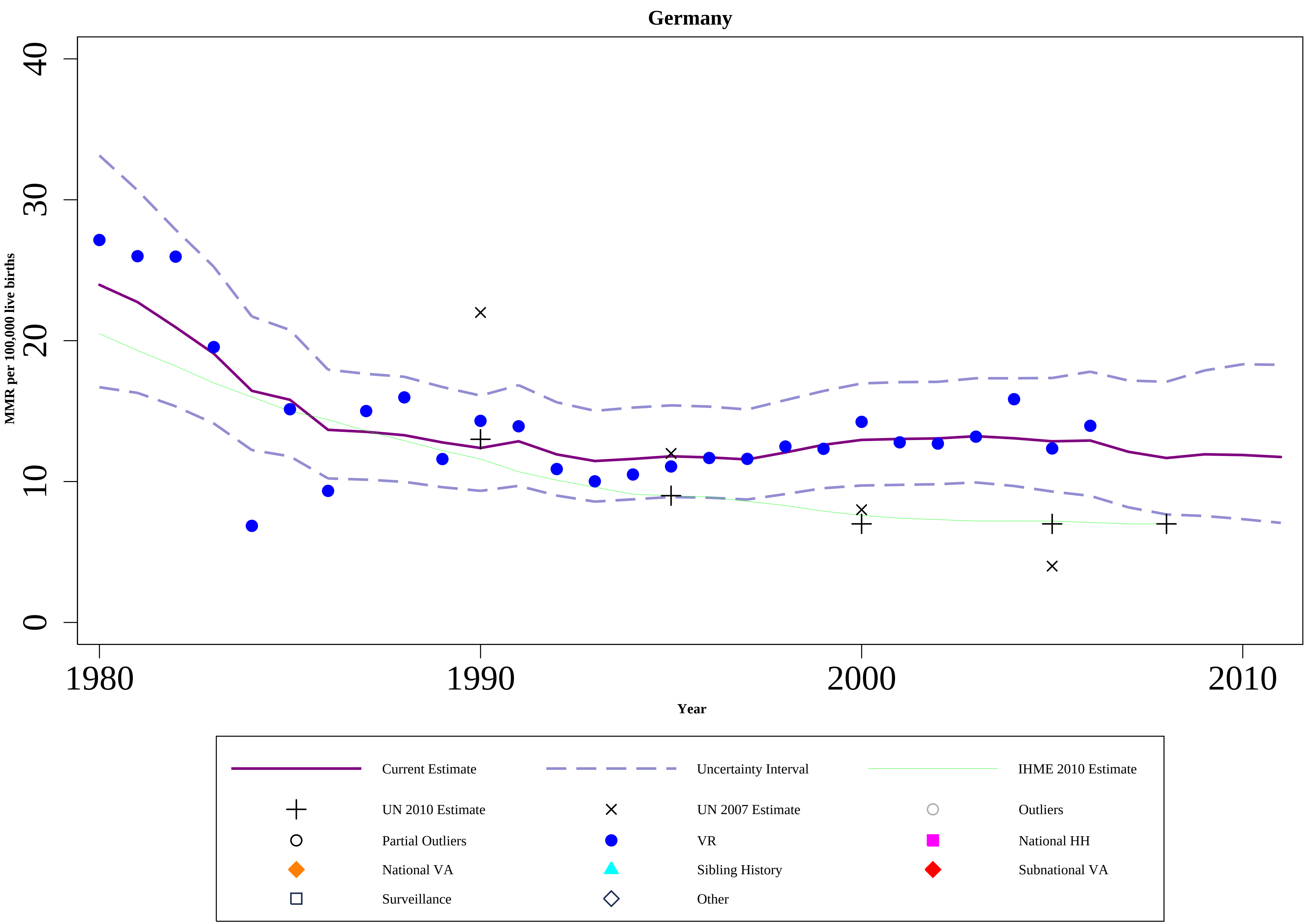
Subnational VA
Surveillance
Other


Belgium
MMR per 100,000 live births
25
20
15
10
5
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Switzerland
MMR per 100,000 live births
20
15
10
5
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Cyprus
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Germany
MMR per 100,000 live births
0
10
20
30
40
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
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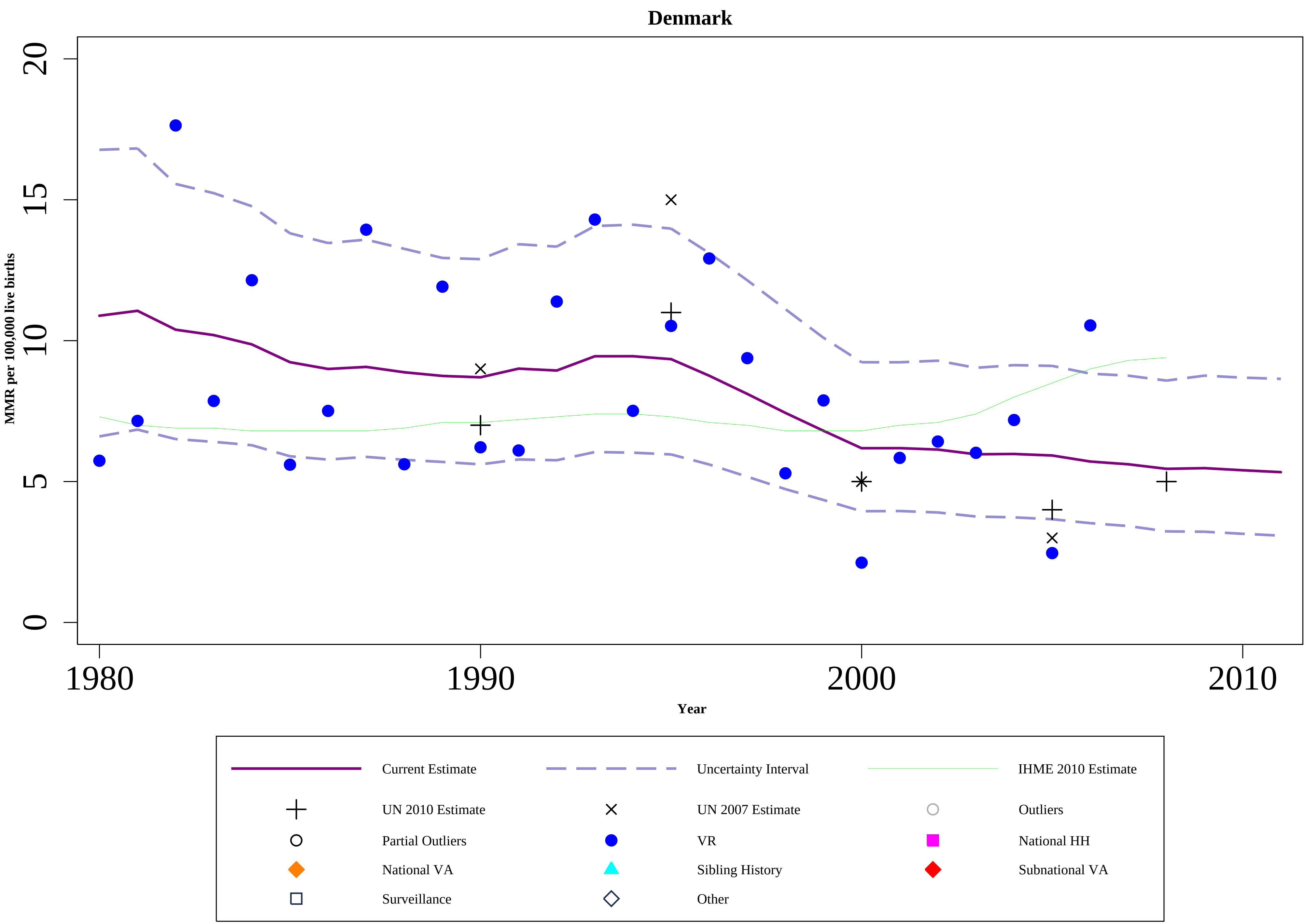
National VA
Sibling History
Subnational VA
Surveillance
Other



Denmark
MMR per 100,000 live births
0
5
10
15
20
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
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National HH
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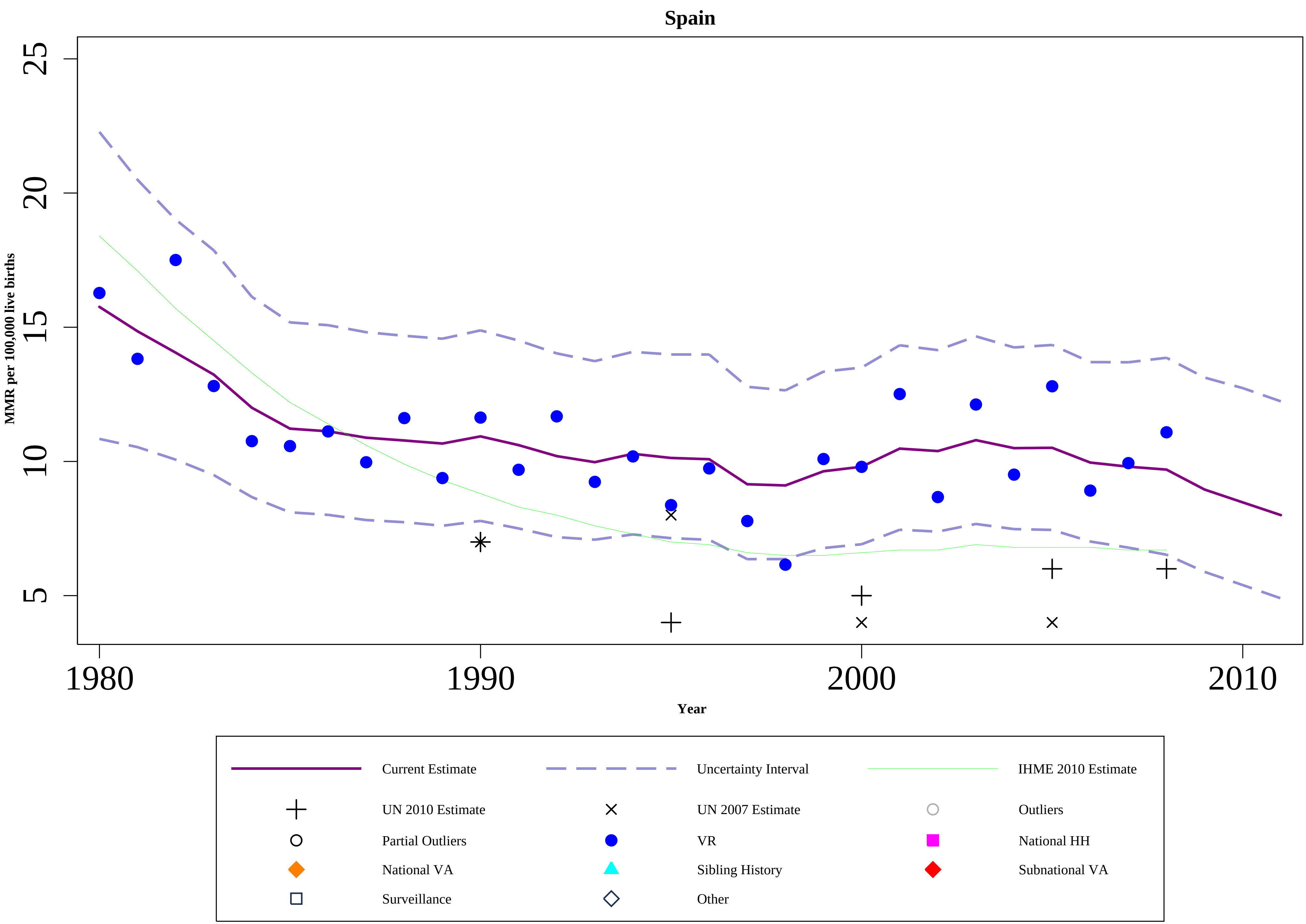
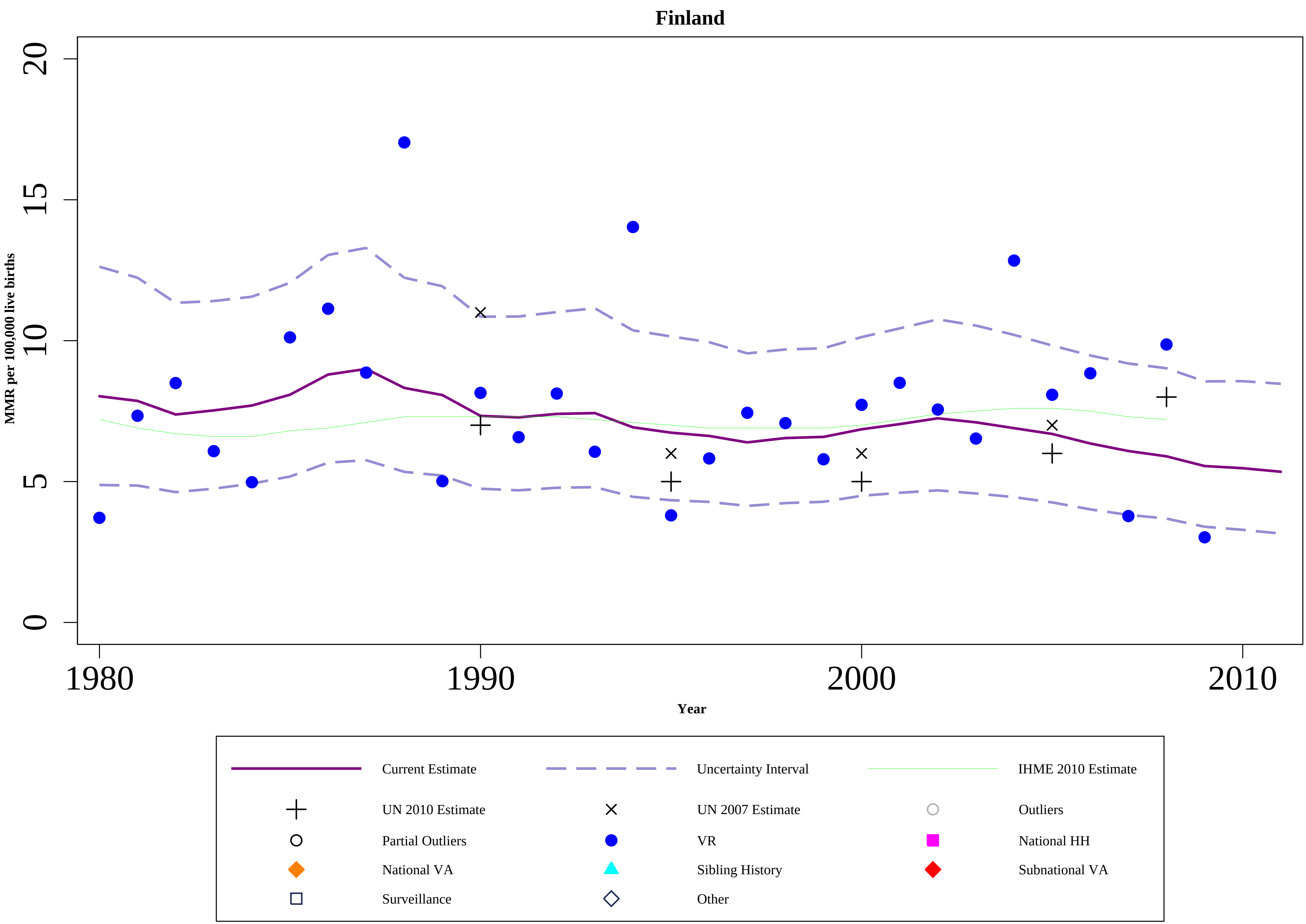
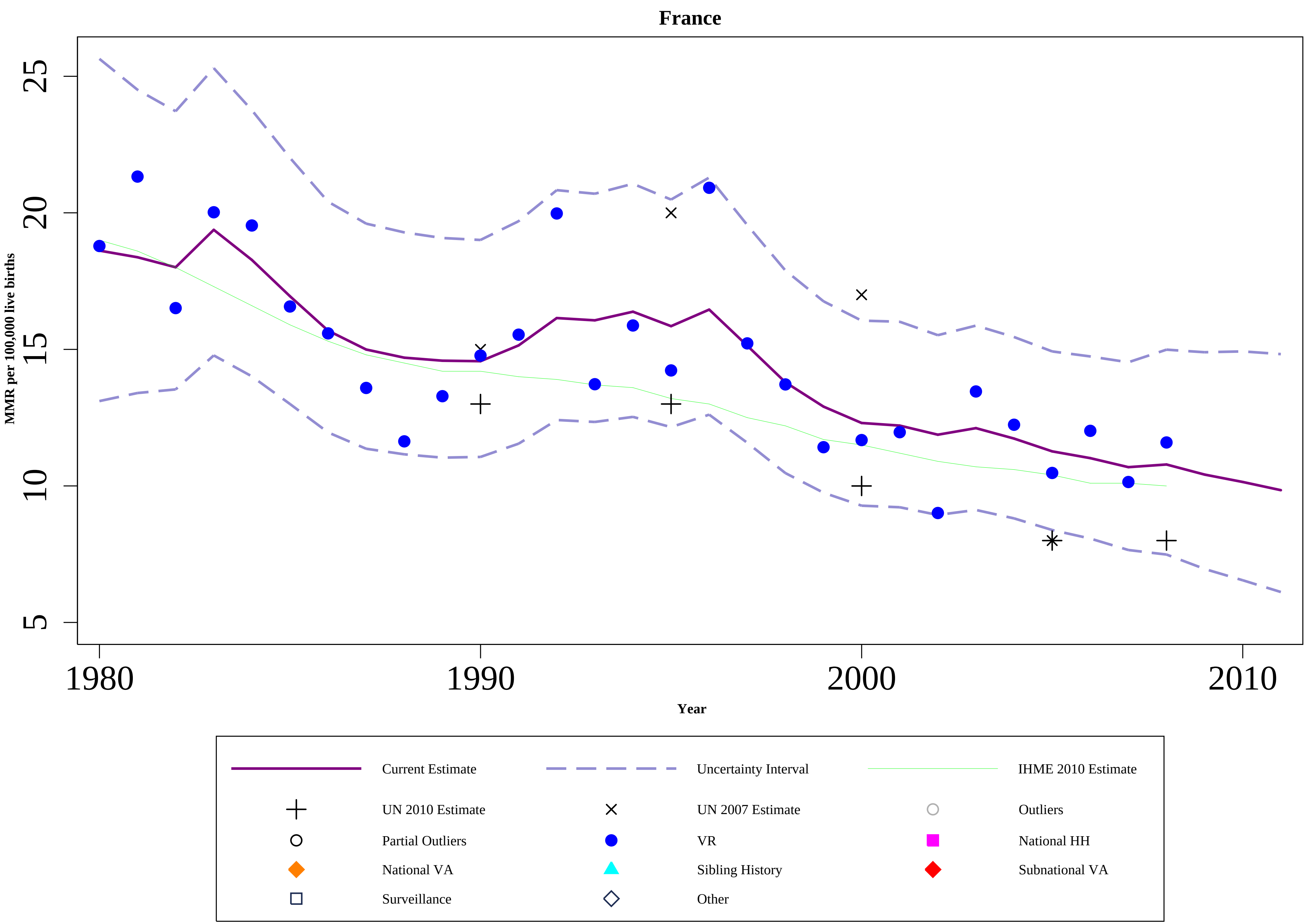
Subnational VA
Surveillance
Other

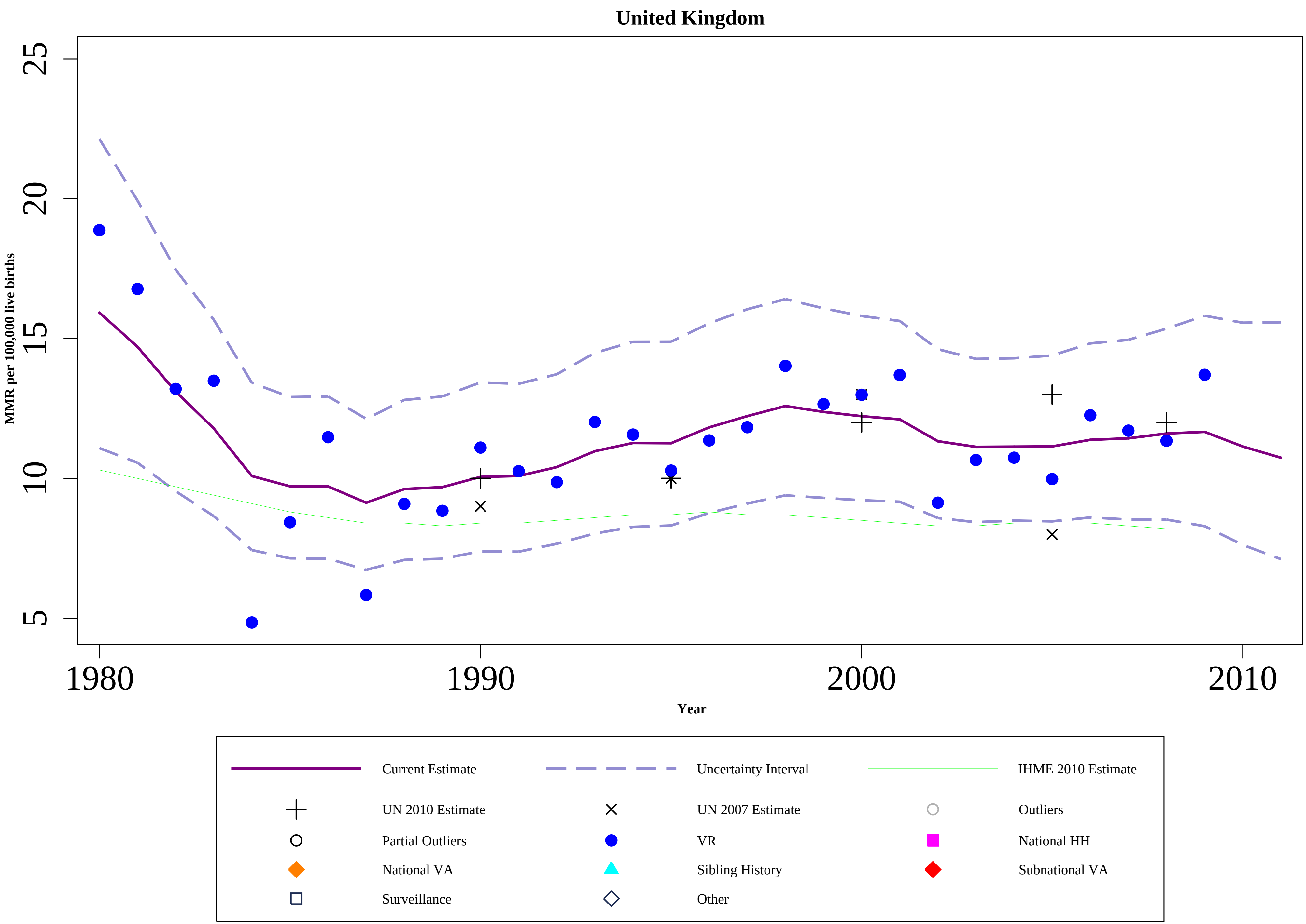


Spain
MMR per 100,000 live births
5
10
15
20
25
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other

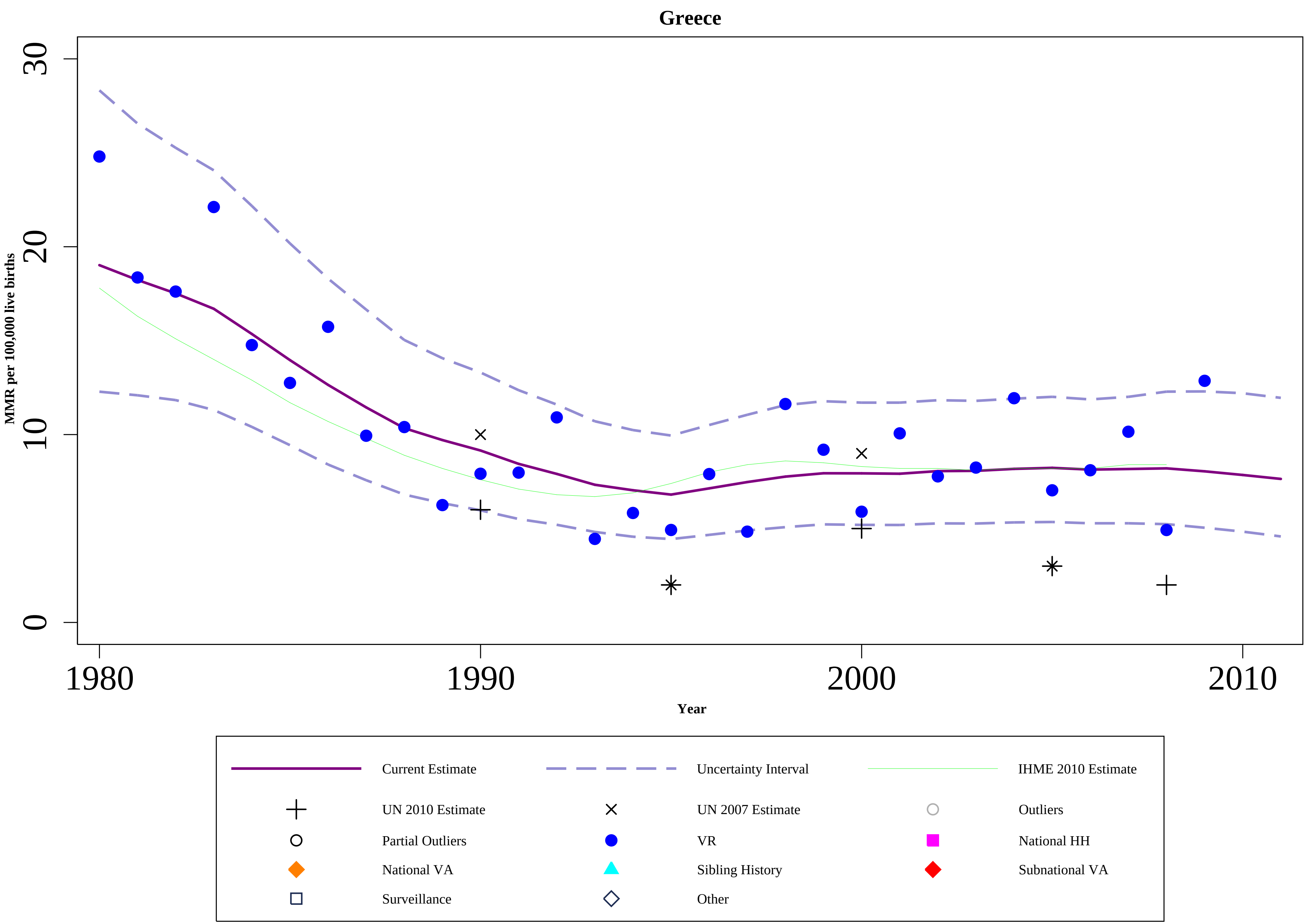


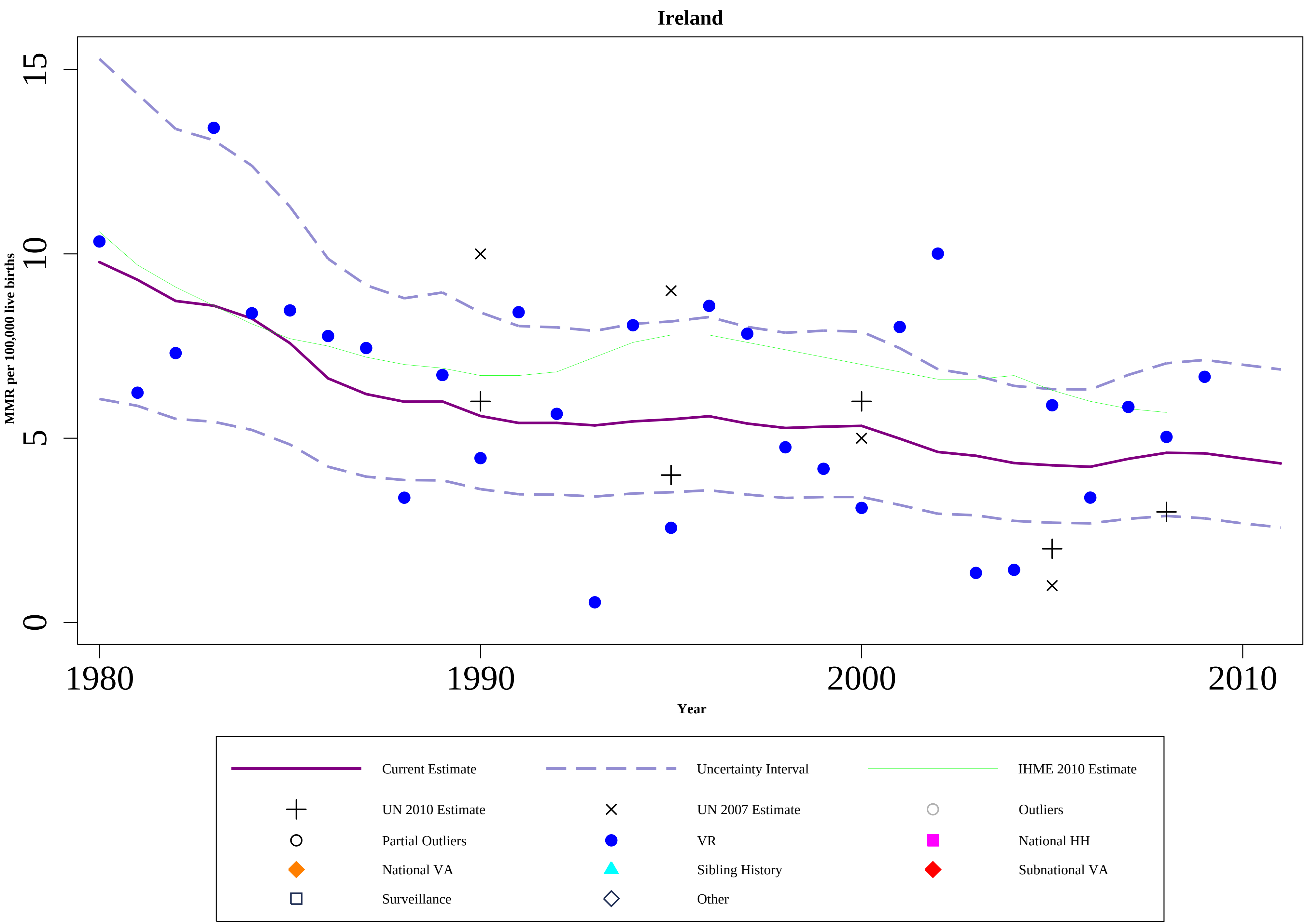
Finland
MMR per 100,000 live births
0
5
10
15
20
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other

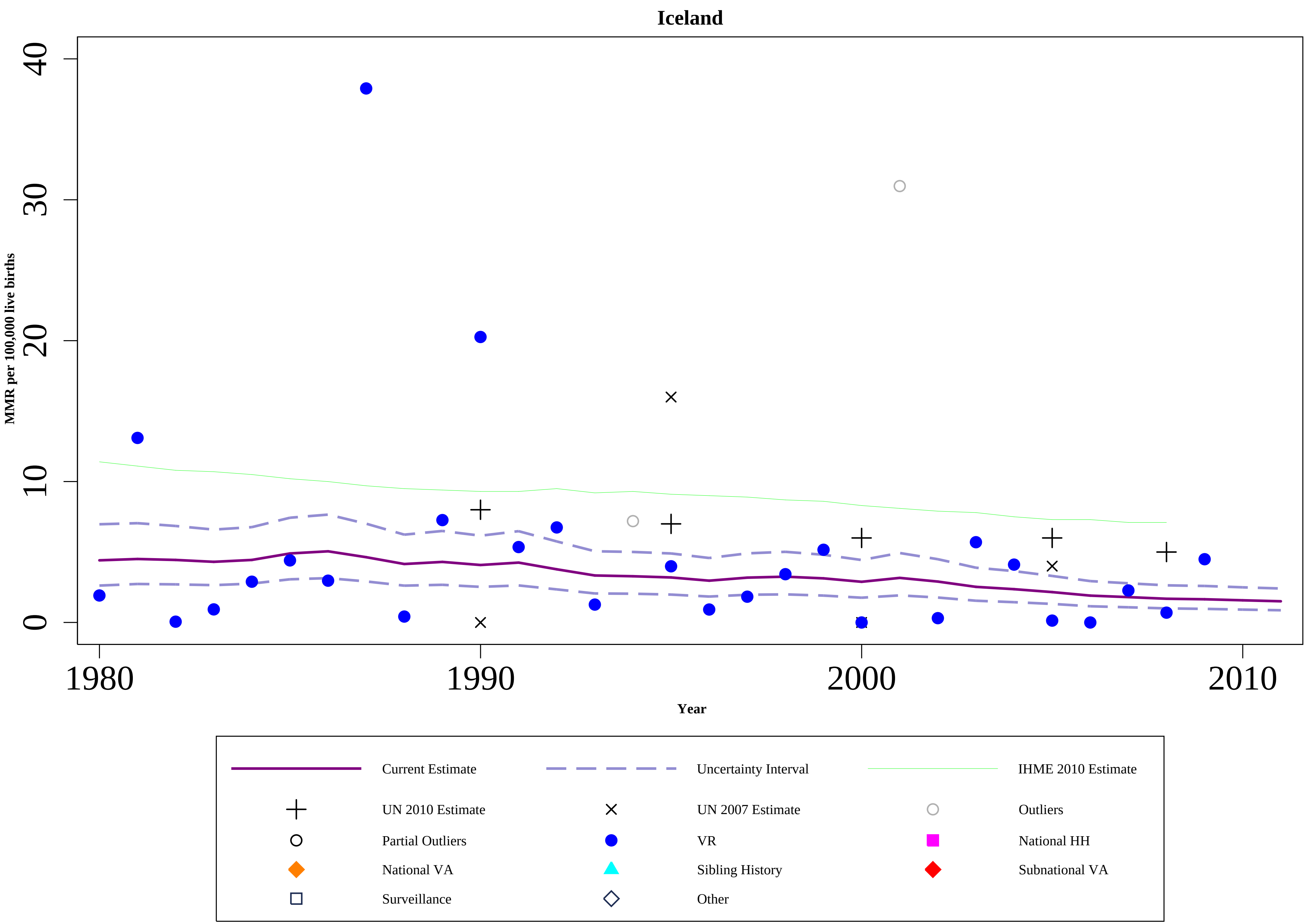

France
MMR per 100,000 live births
5
10
15
20
25
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



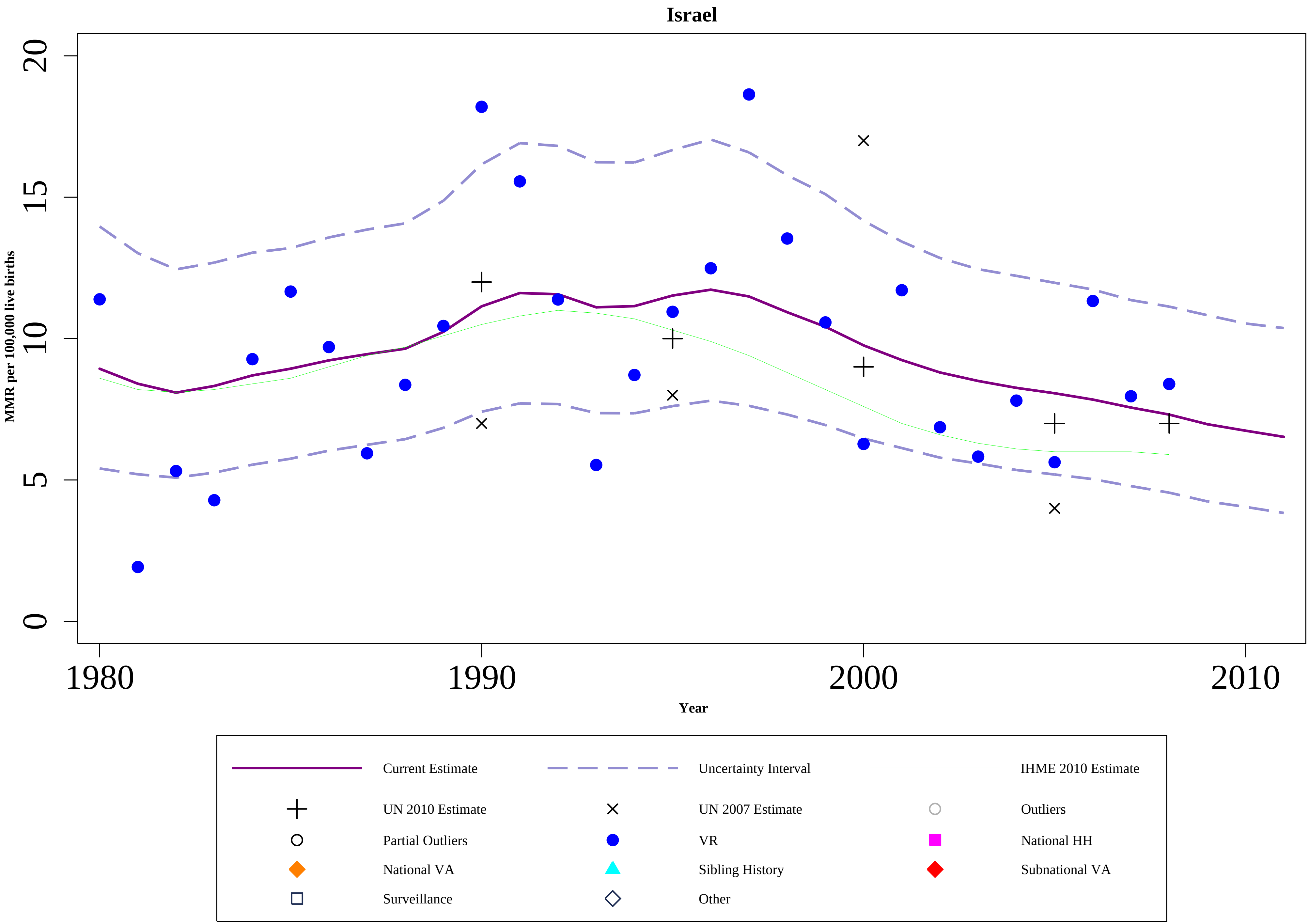
United Kingdom
MMR per 100,000 live births
25
20
15
10
5
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Greece
MMR per 100,000 live births
0
10
20
30
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Ireland
MMR per 100,000 live births
0
5
10
15
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Iceland
MMR per 100,000 live births
Year
0
10
20
30
40
1980
1990
2000
2010
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Israel
MMR per 100,000 live births
0
5
10
15
20
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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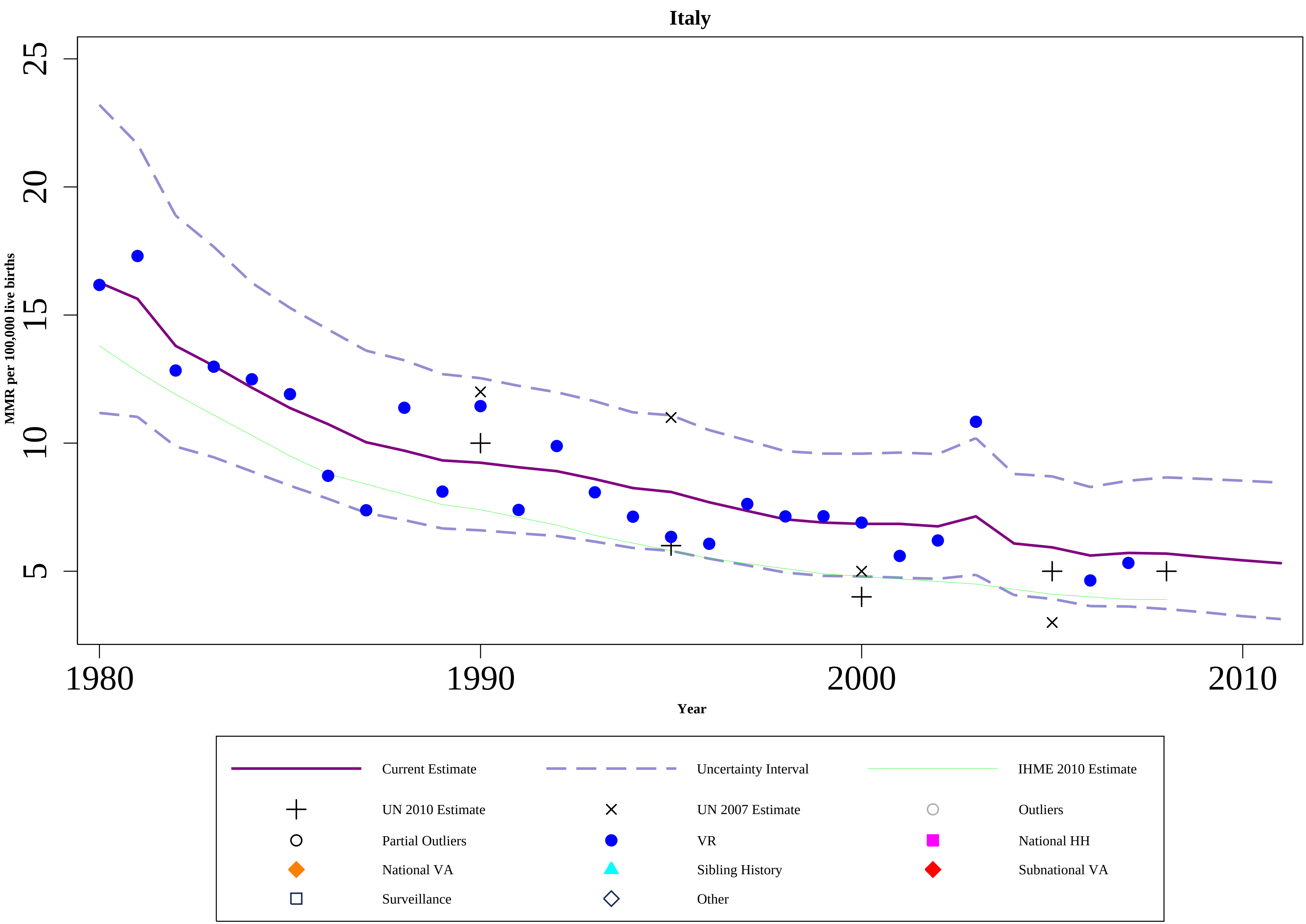
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Italy
MMR per 100,000 live births
25
20
15
10
5
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Subnational VA
Surveillance
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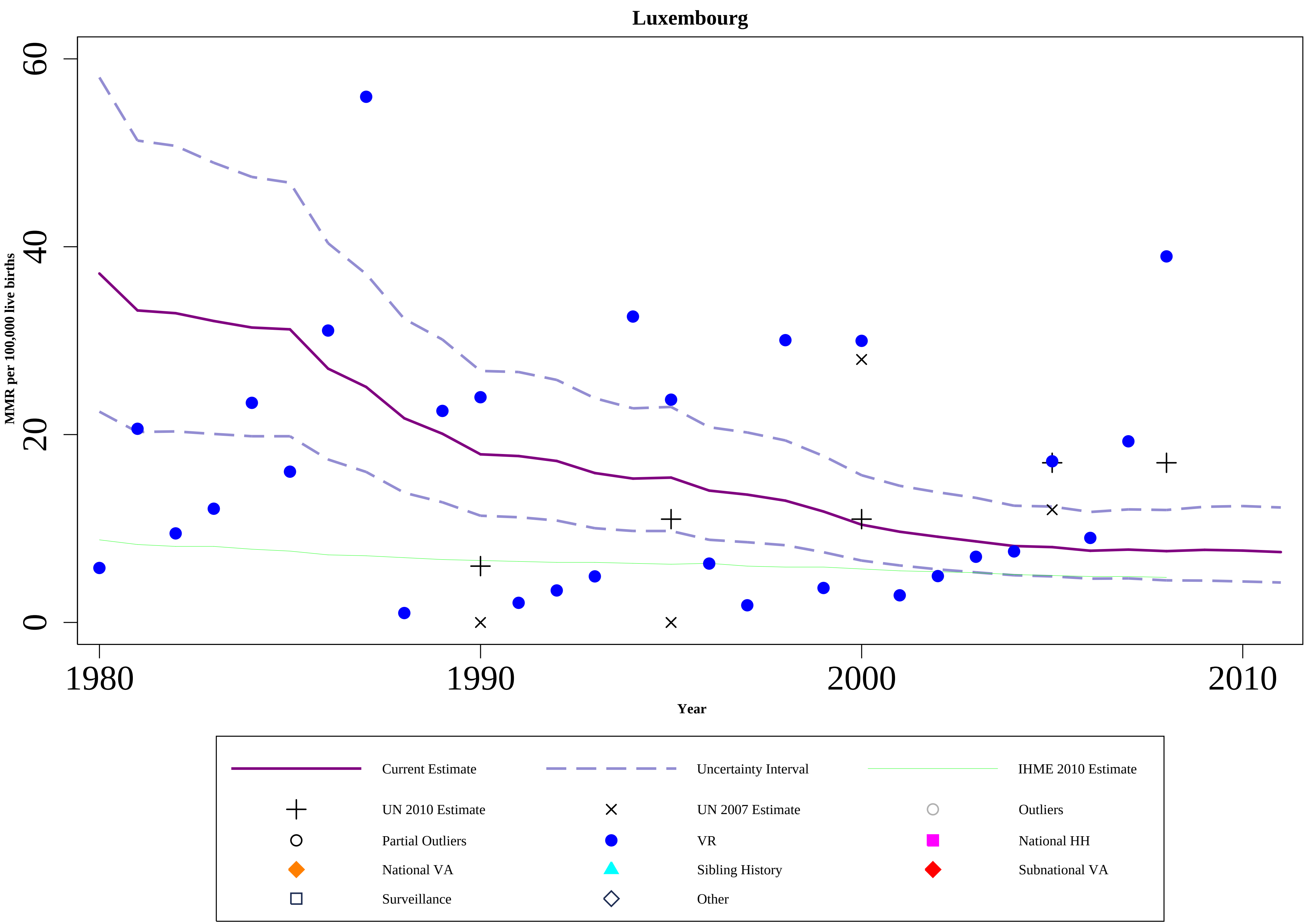

Luxembourg
MMR per 100,000 live births
0
20
40
60
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
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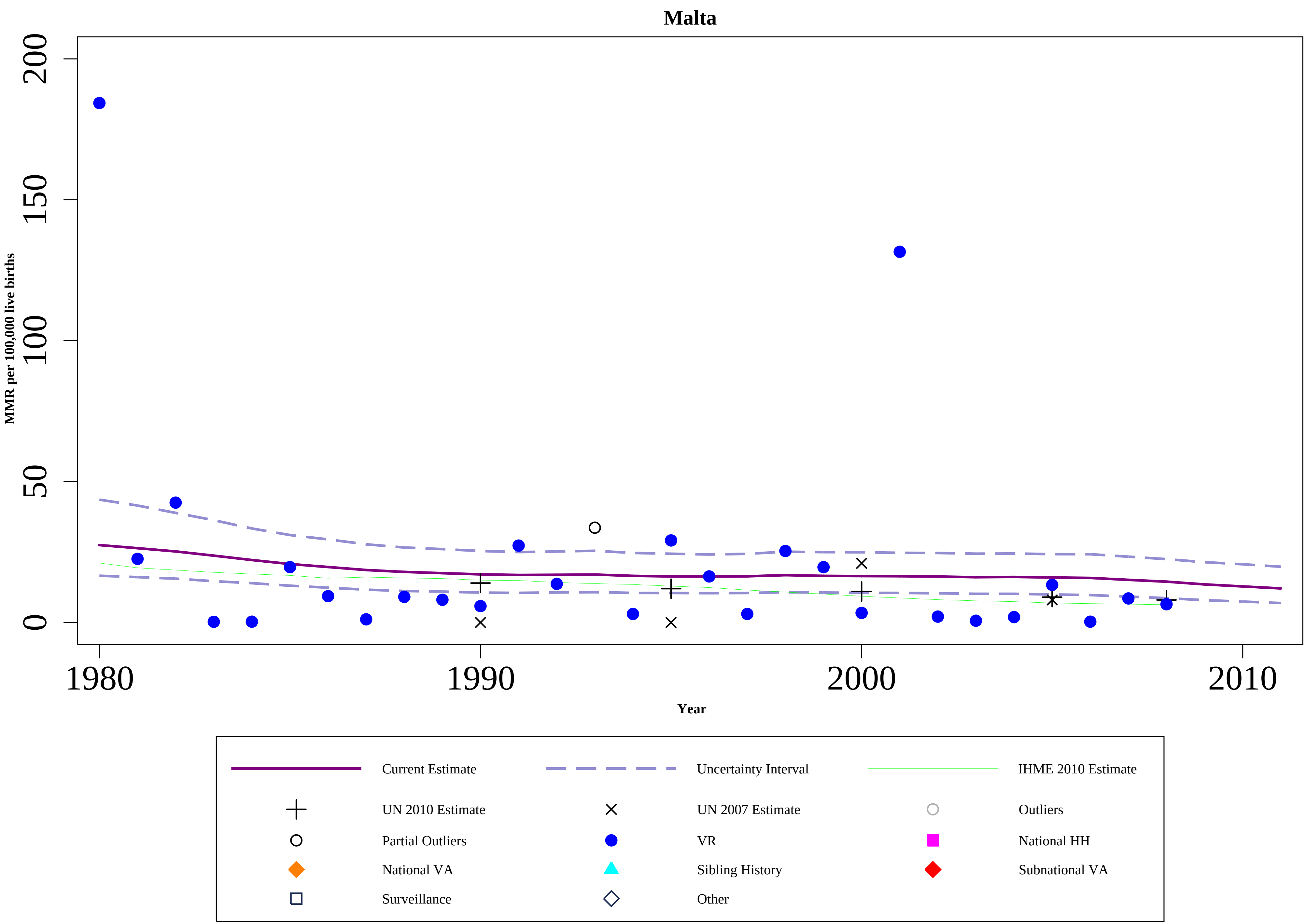
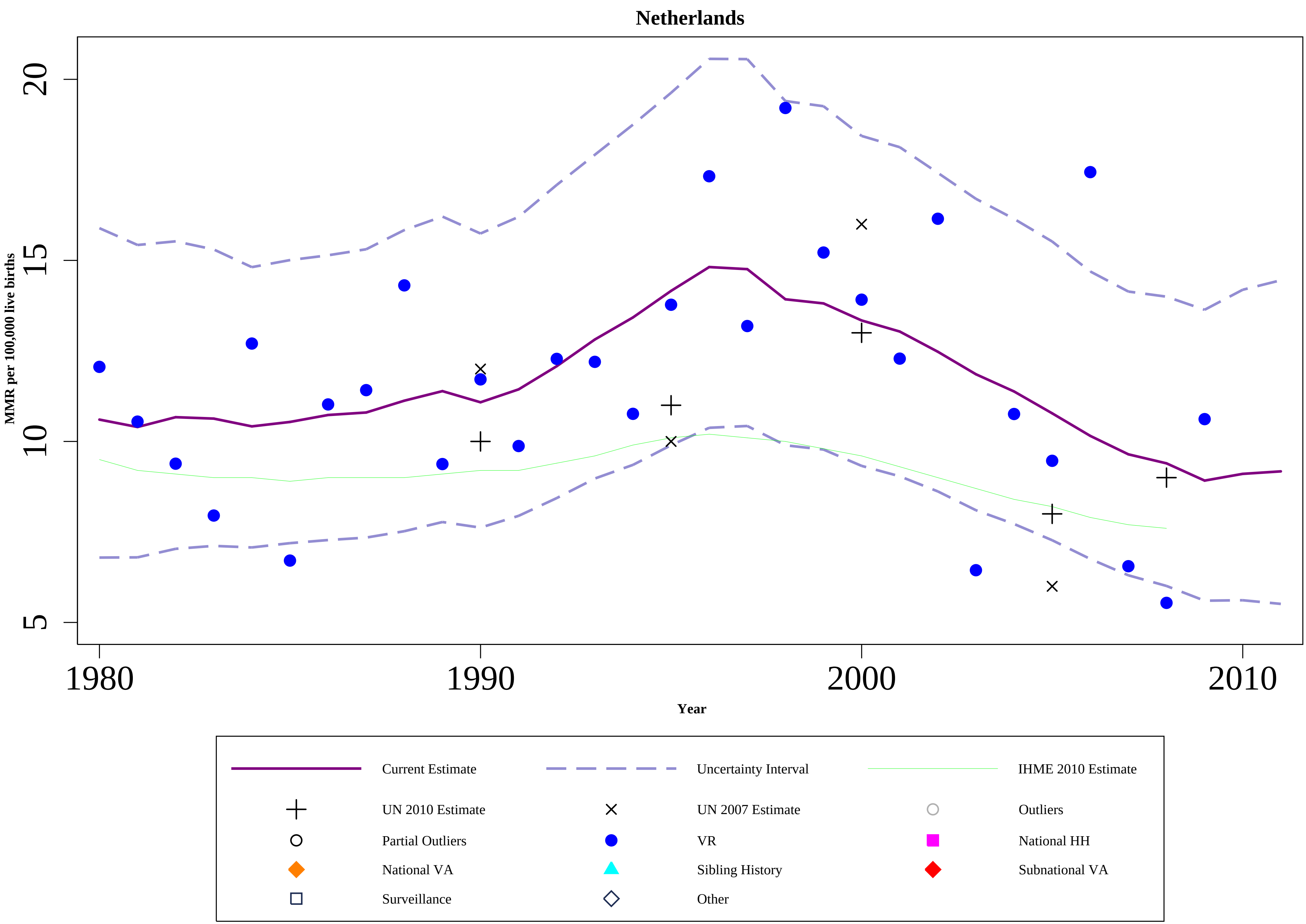
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Malta
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Netherlands
MMR per 100,000 live births
5
10
15
20
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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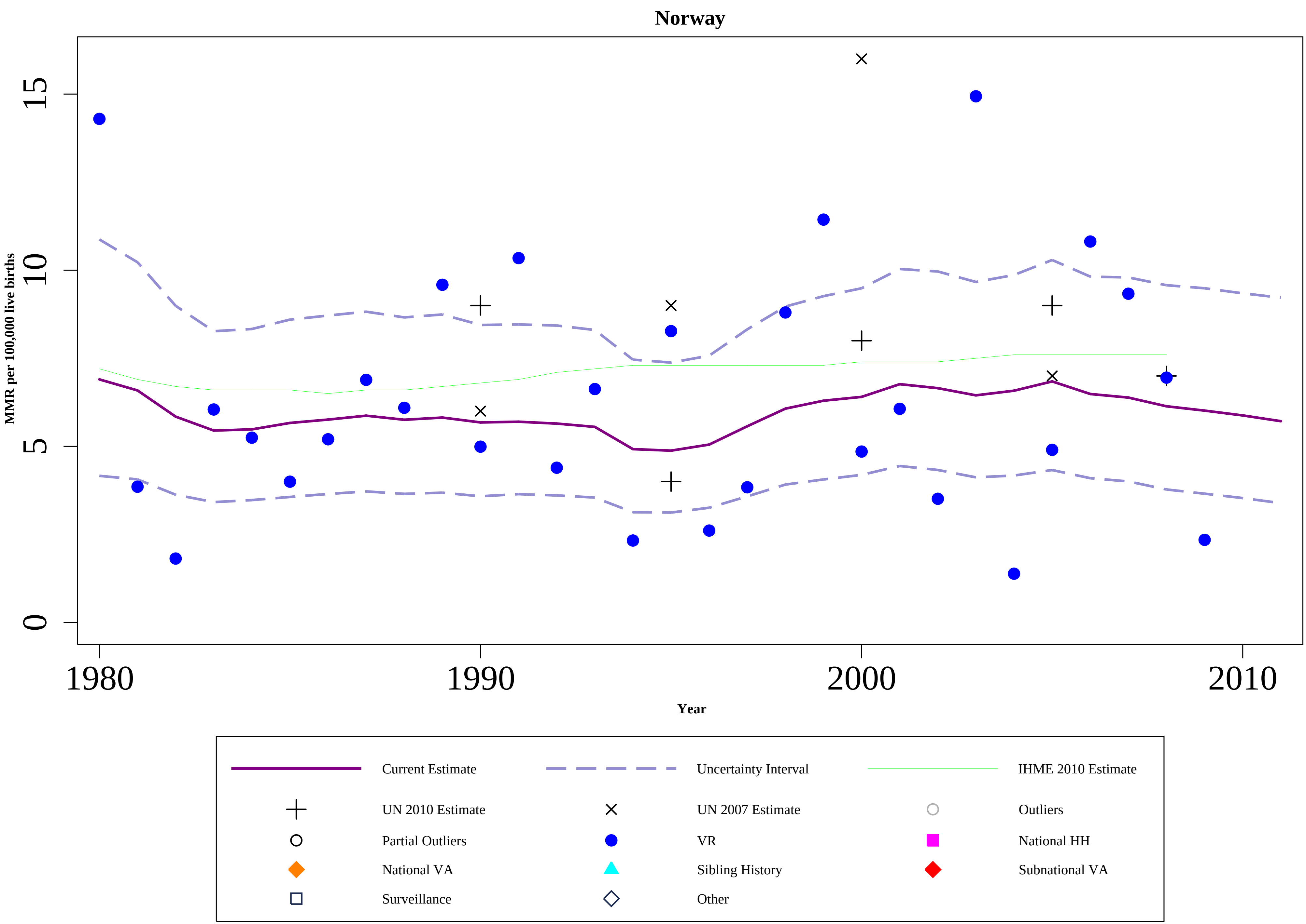
Sibling History
Subnational VA
Surveillance
Other



Norway
MMR per 100,000 live births
0
5
10
15
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Subnational VA
Surveillance
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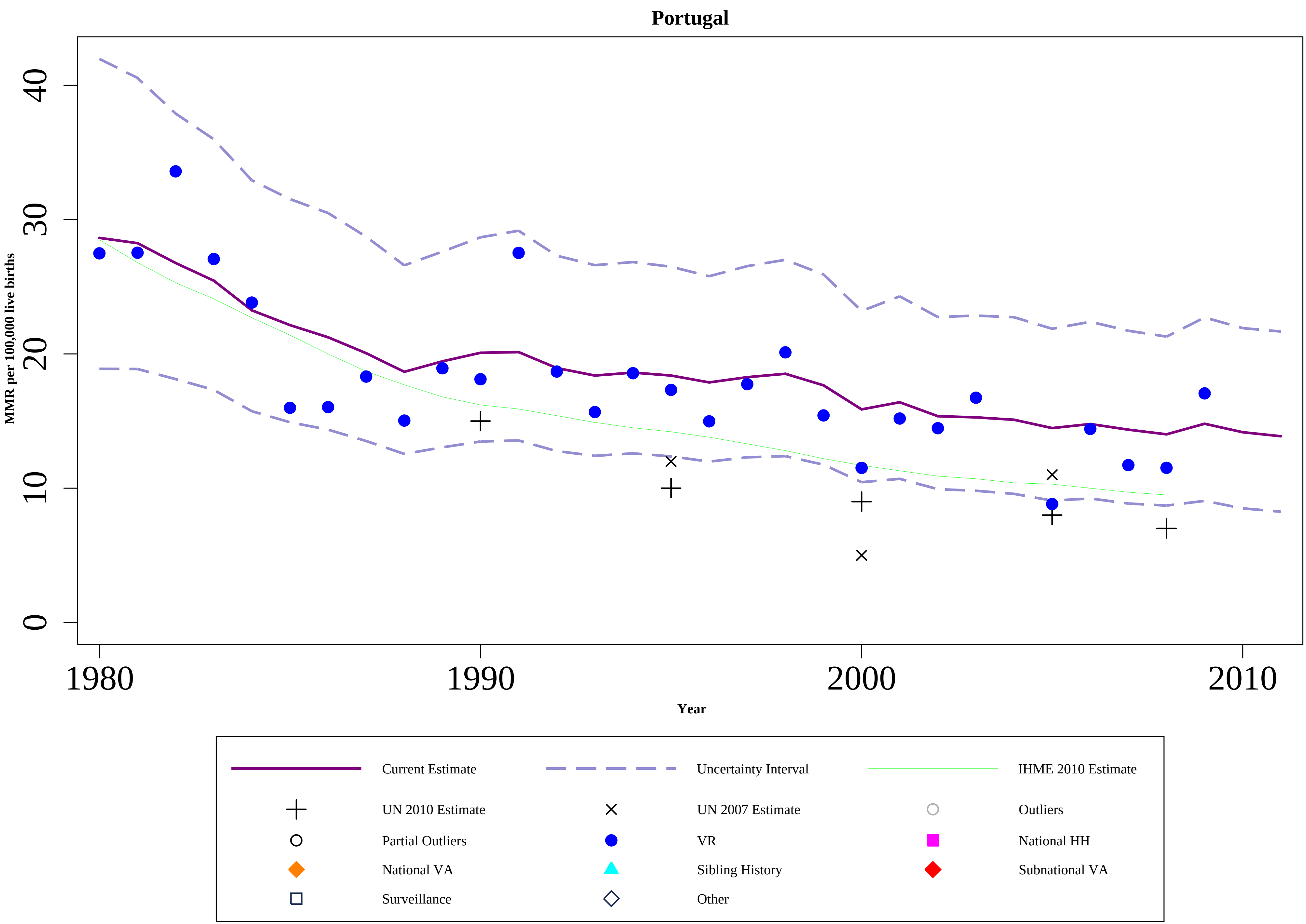

Portugal
MMR per 100,000 live births
0
10
20
30
40
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
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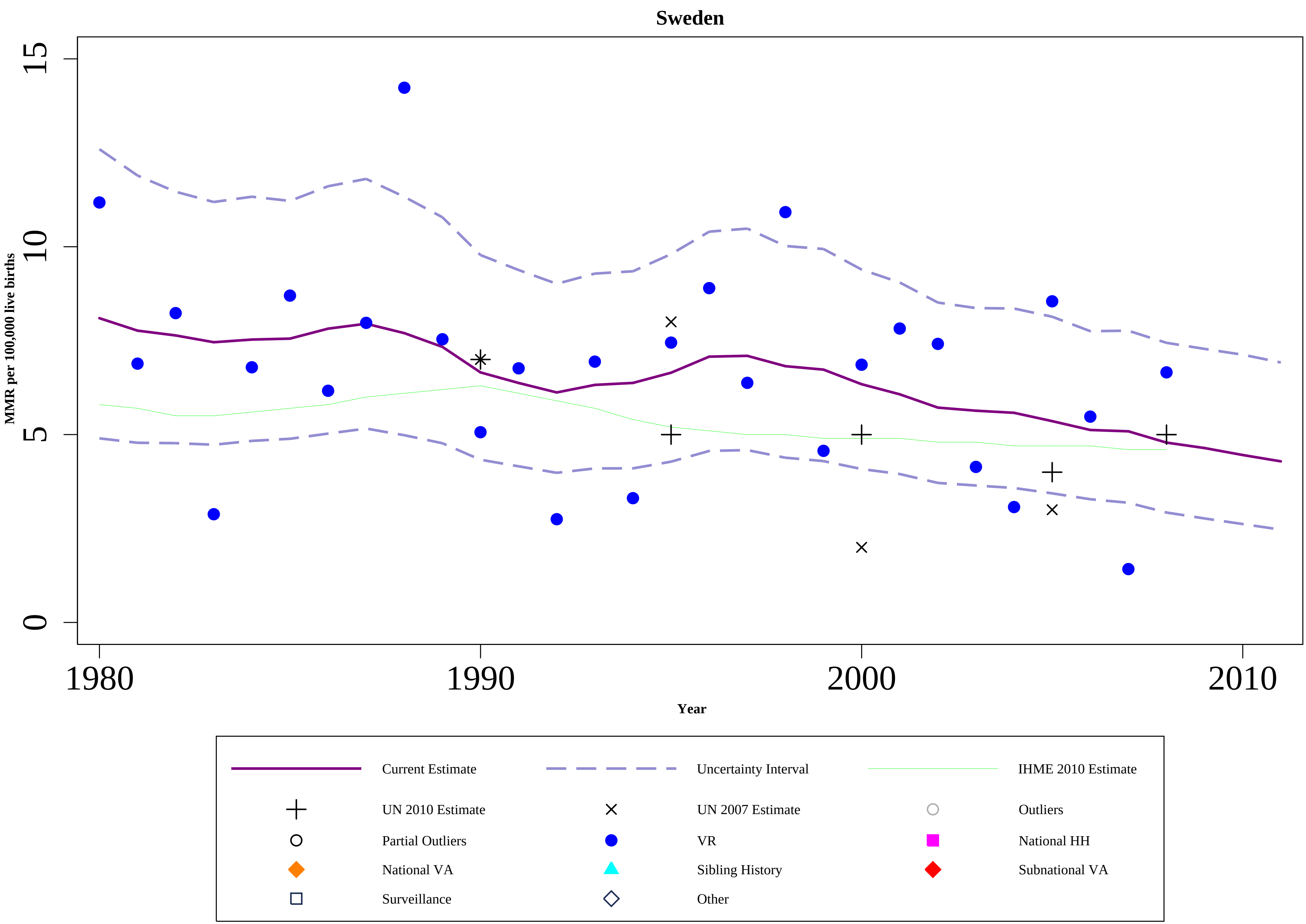
Sweden
MMR per 100,000 live births
0
5
10
15
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Sibling History
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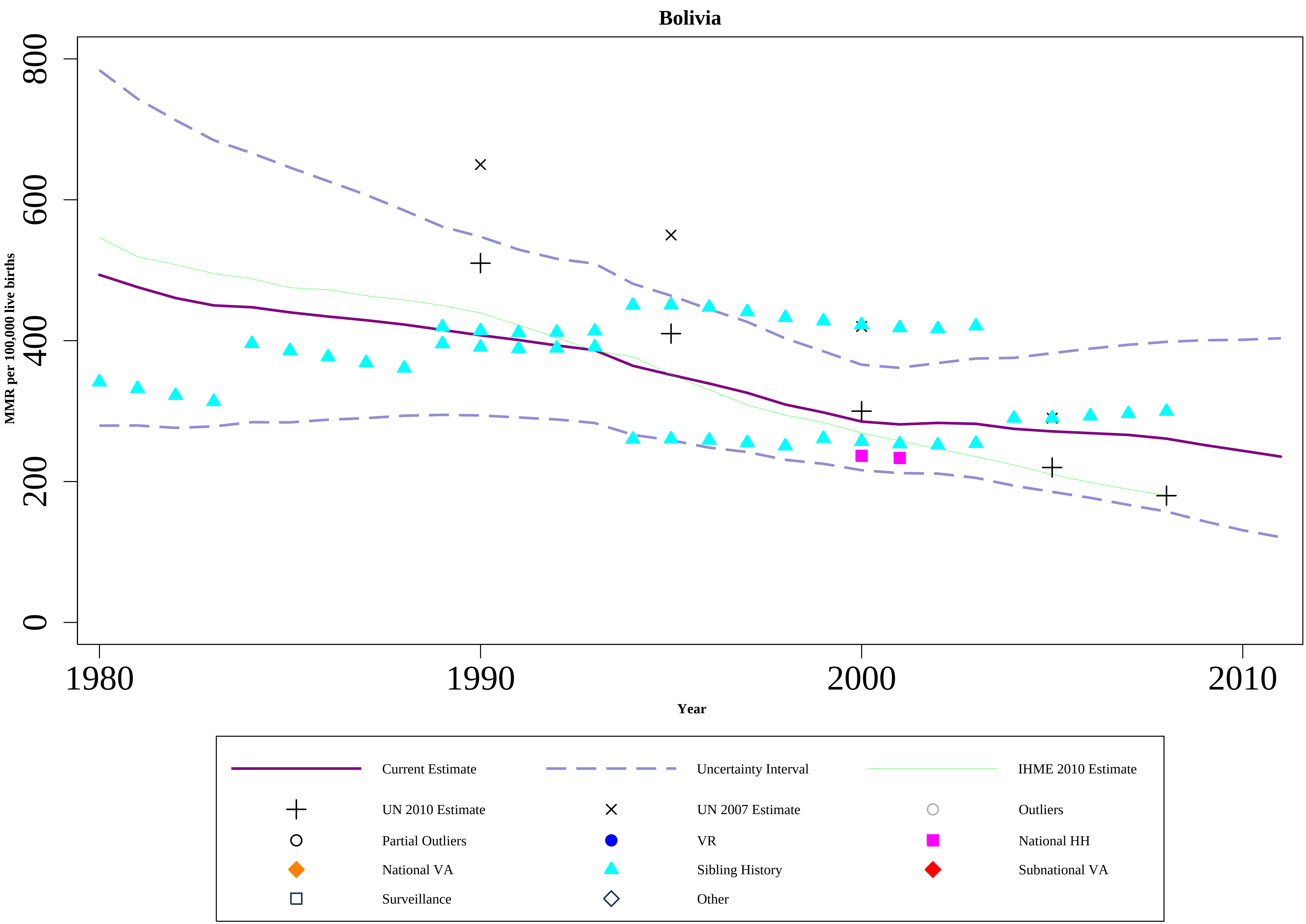
Surveillance
Other



Bolivia
MMR per 100,000 live births
0
200
400
600
800
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
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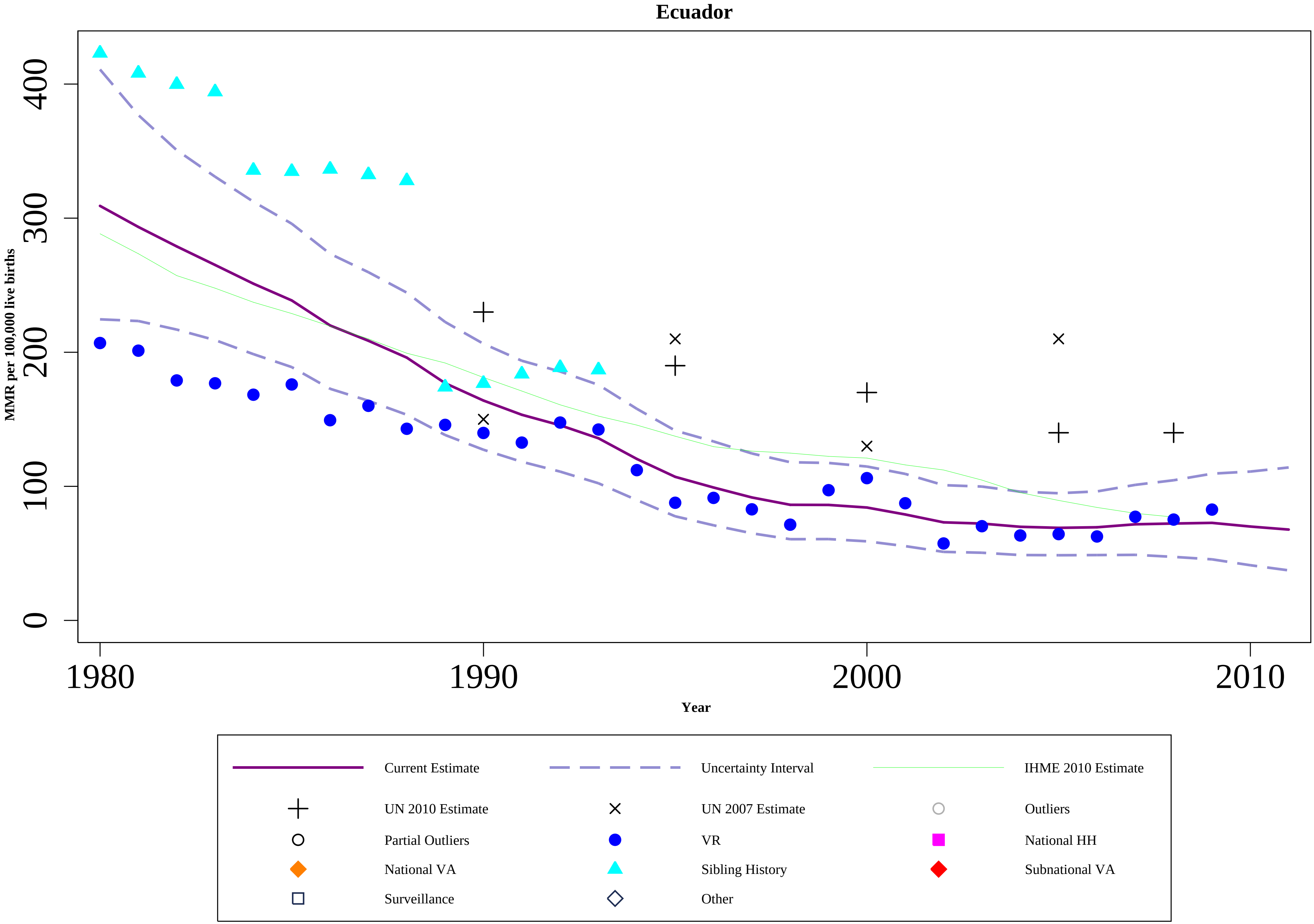

Ecuador
MMR per 100,000 live births
0
100
200
300
400
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Surveillance
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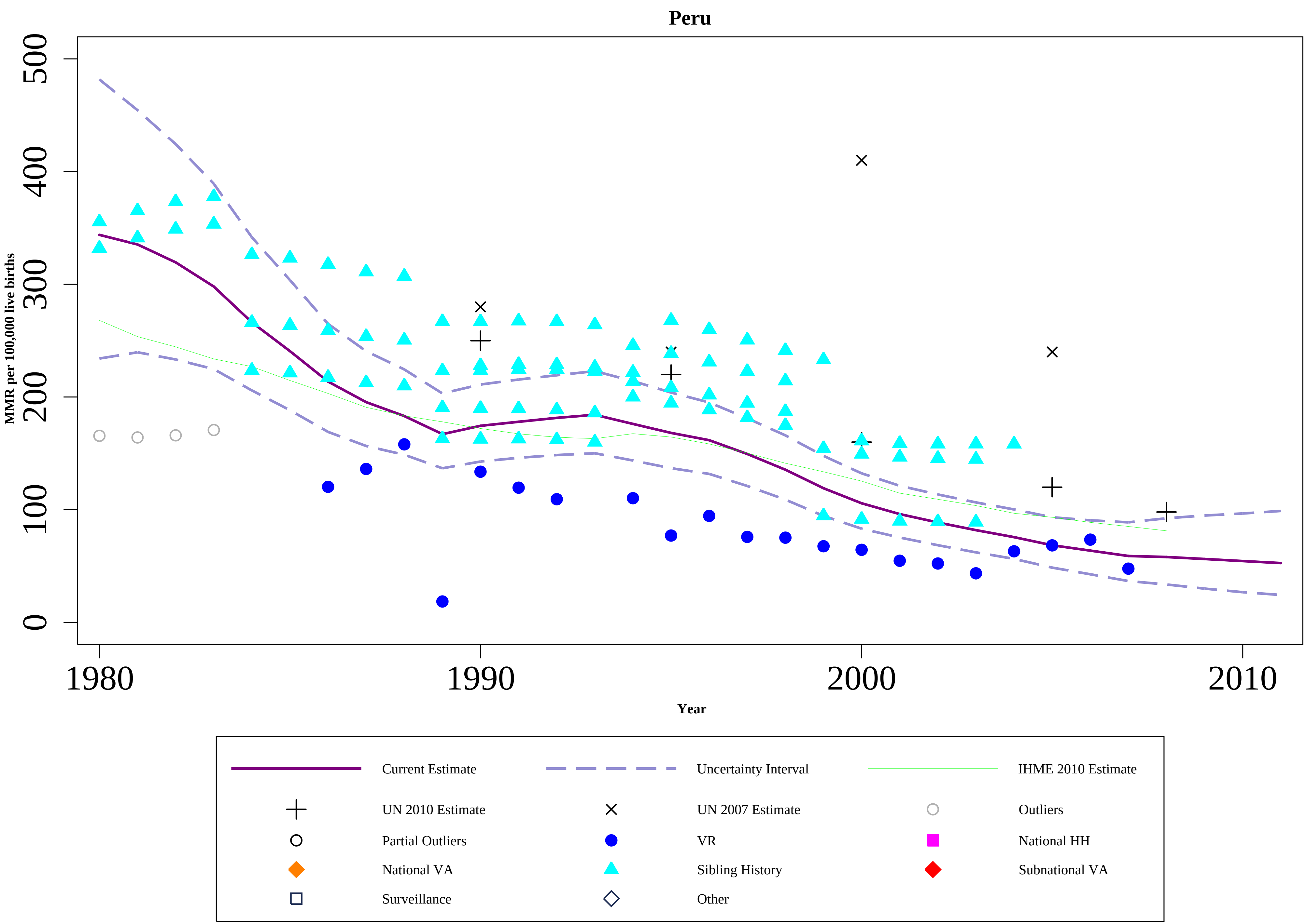

Peru
MMR per 100,000 live births
0
100
200
300
400
500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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National HH
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Subnational VA
Surveillance
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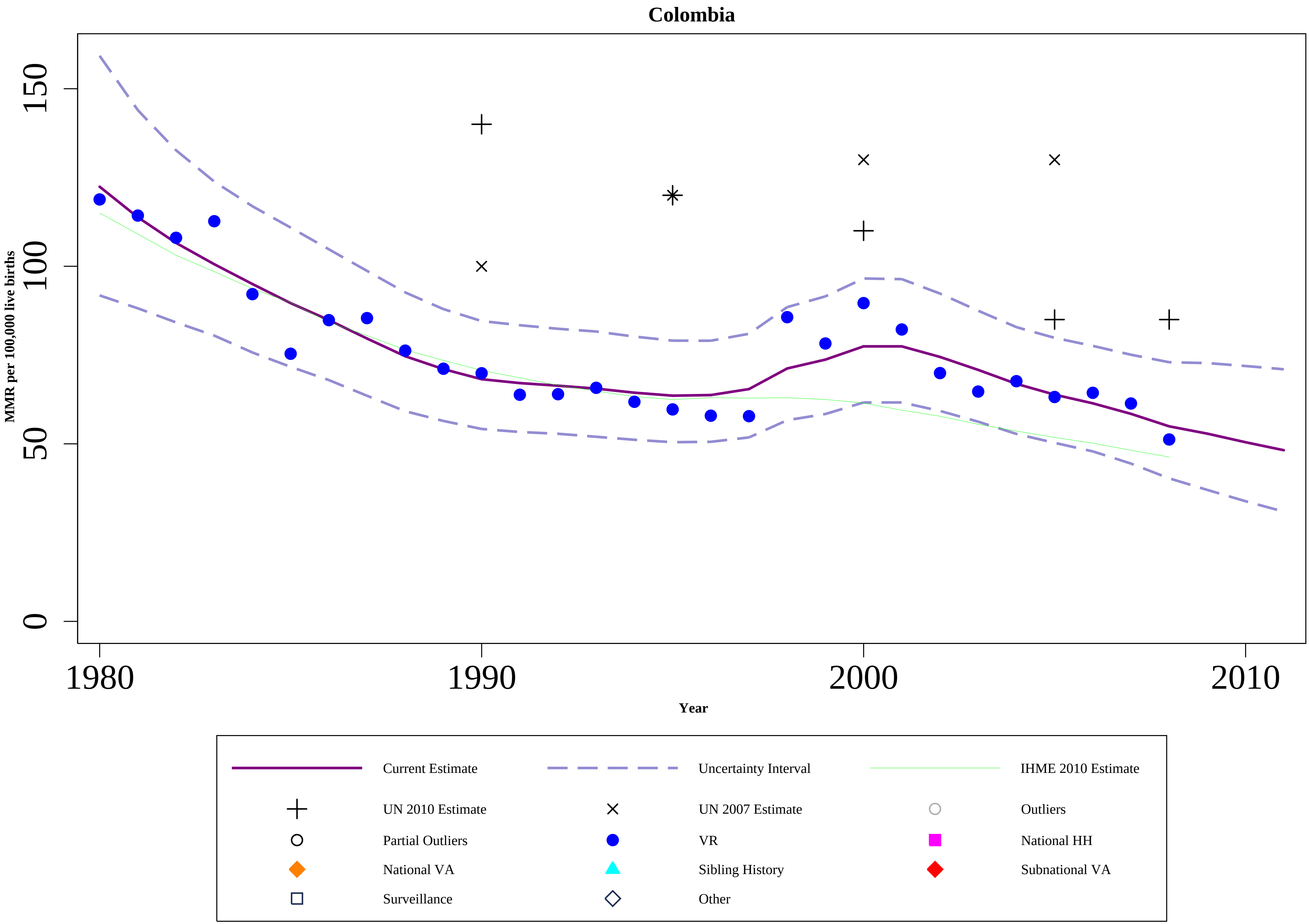
Colombia
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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Surveillance
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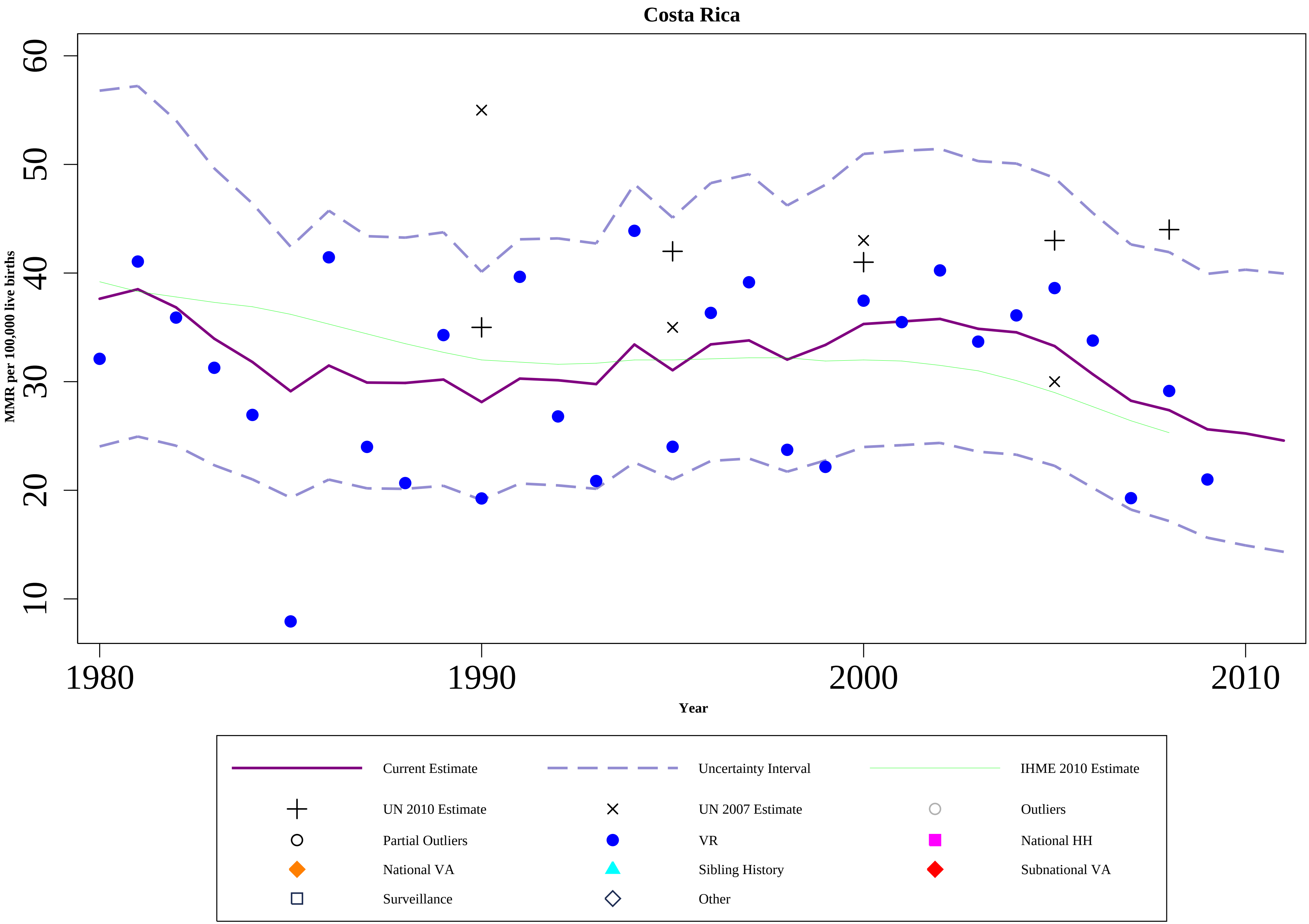

Costa Rica
MMR per 100,000 live births
10
20
30
40
50
60
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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National HH
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Sibling History
Subnational VA
Surveillance
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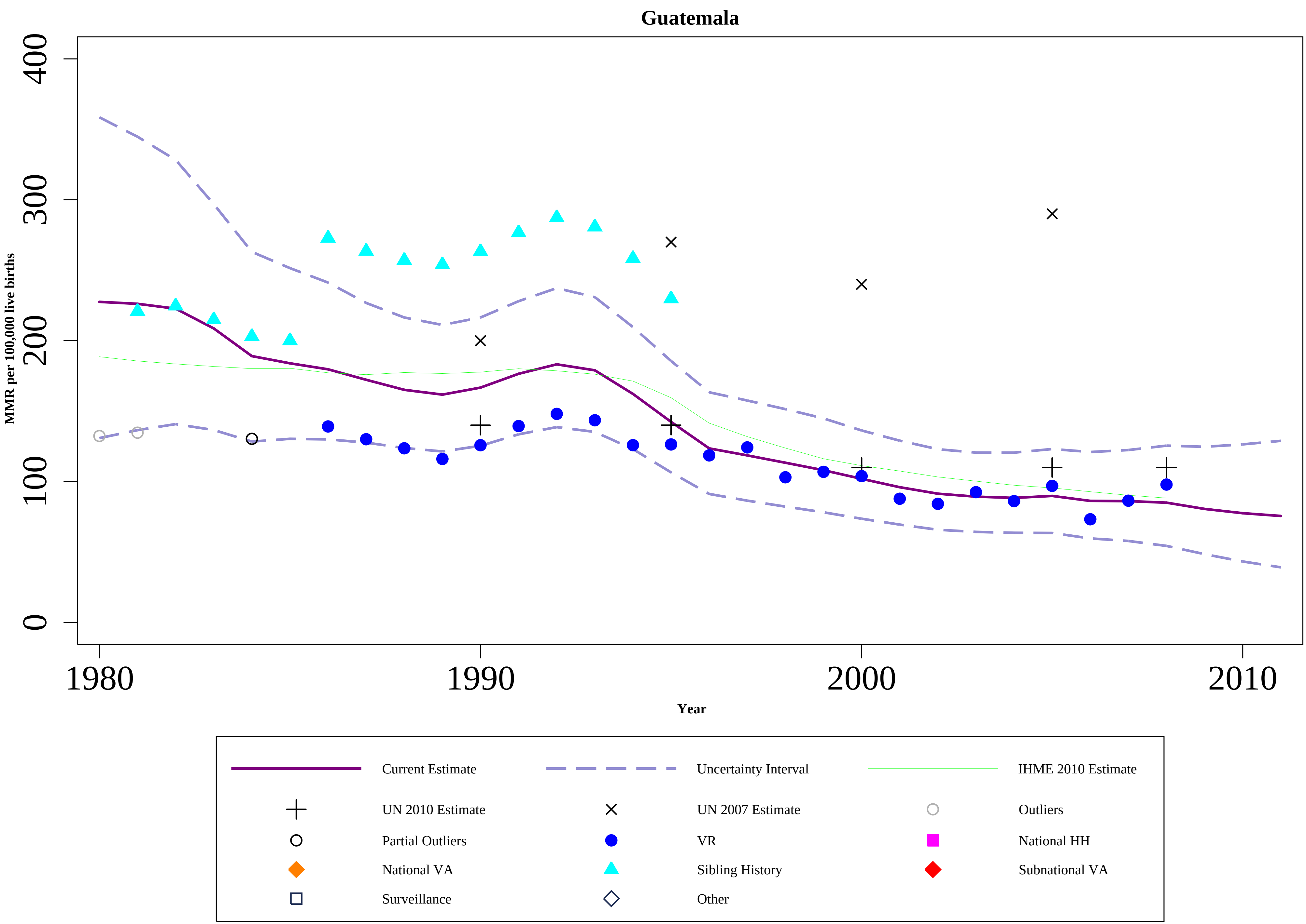
Guatemala
MMR per 100,000 live births
0
100
200
300
400
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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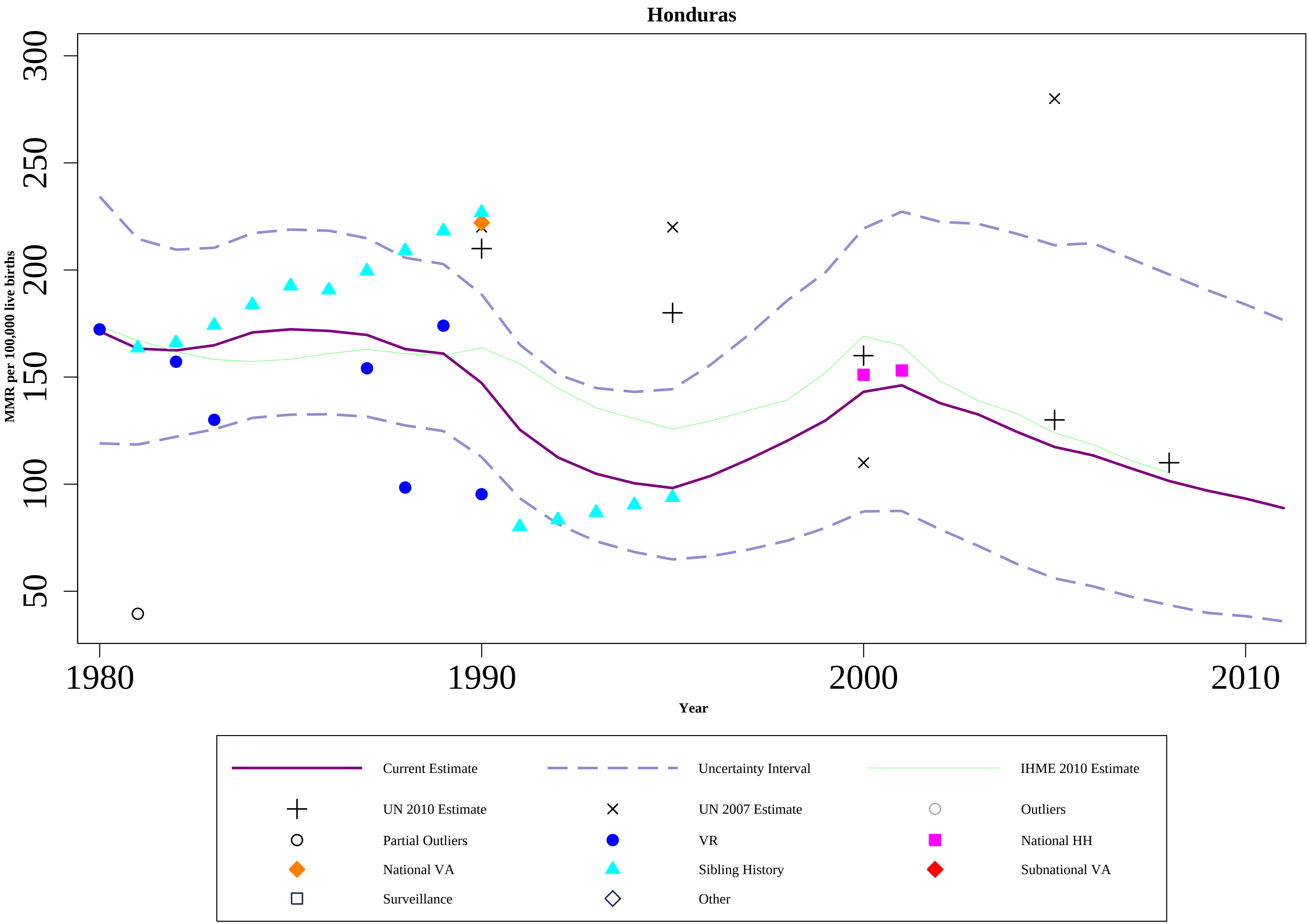
Honduras
MMR per 100,000 live births
300
250
200
150
100
50
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Surveillance
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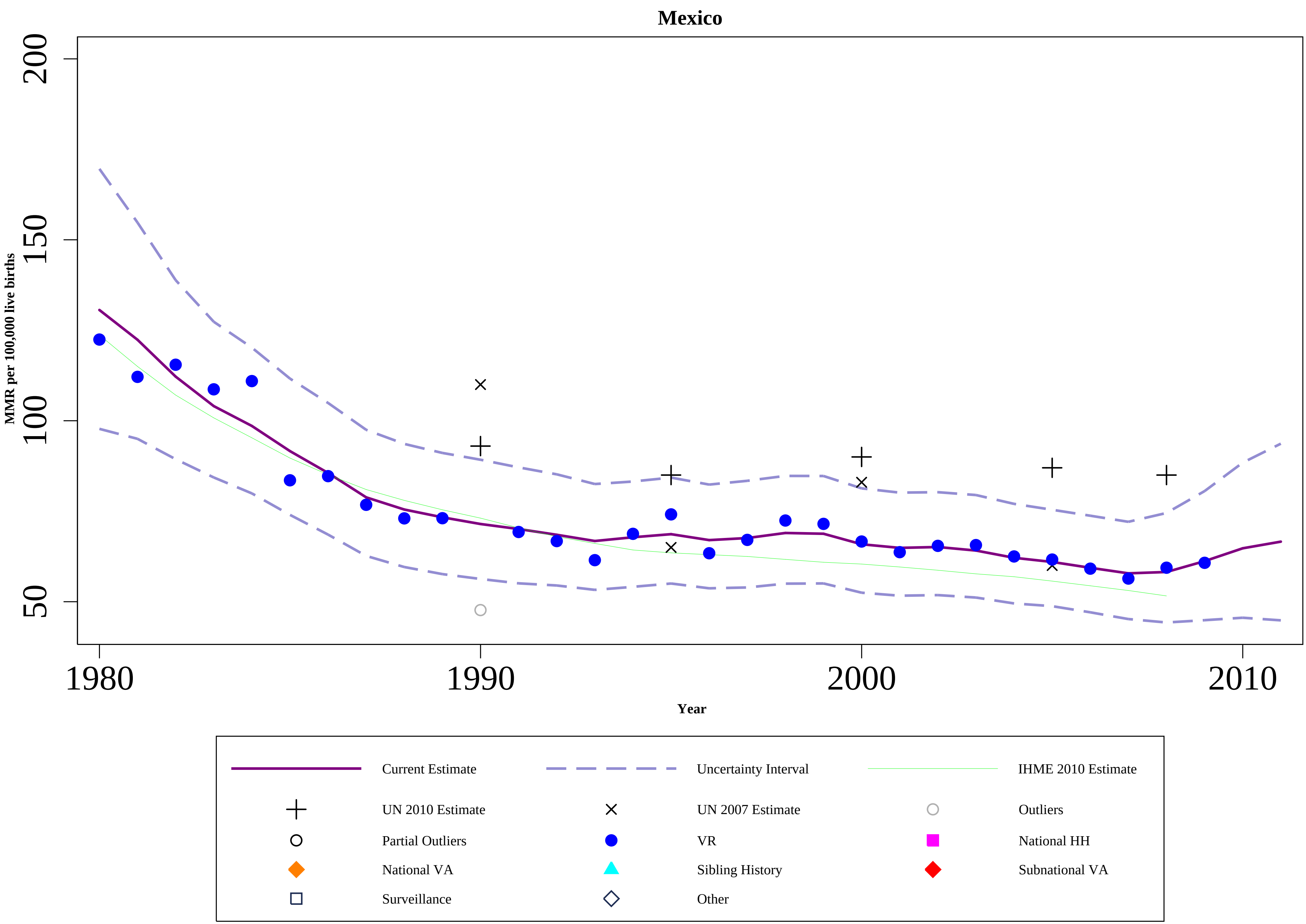

Mexico
MMR per 100,000 live births
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Surveillance
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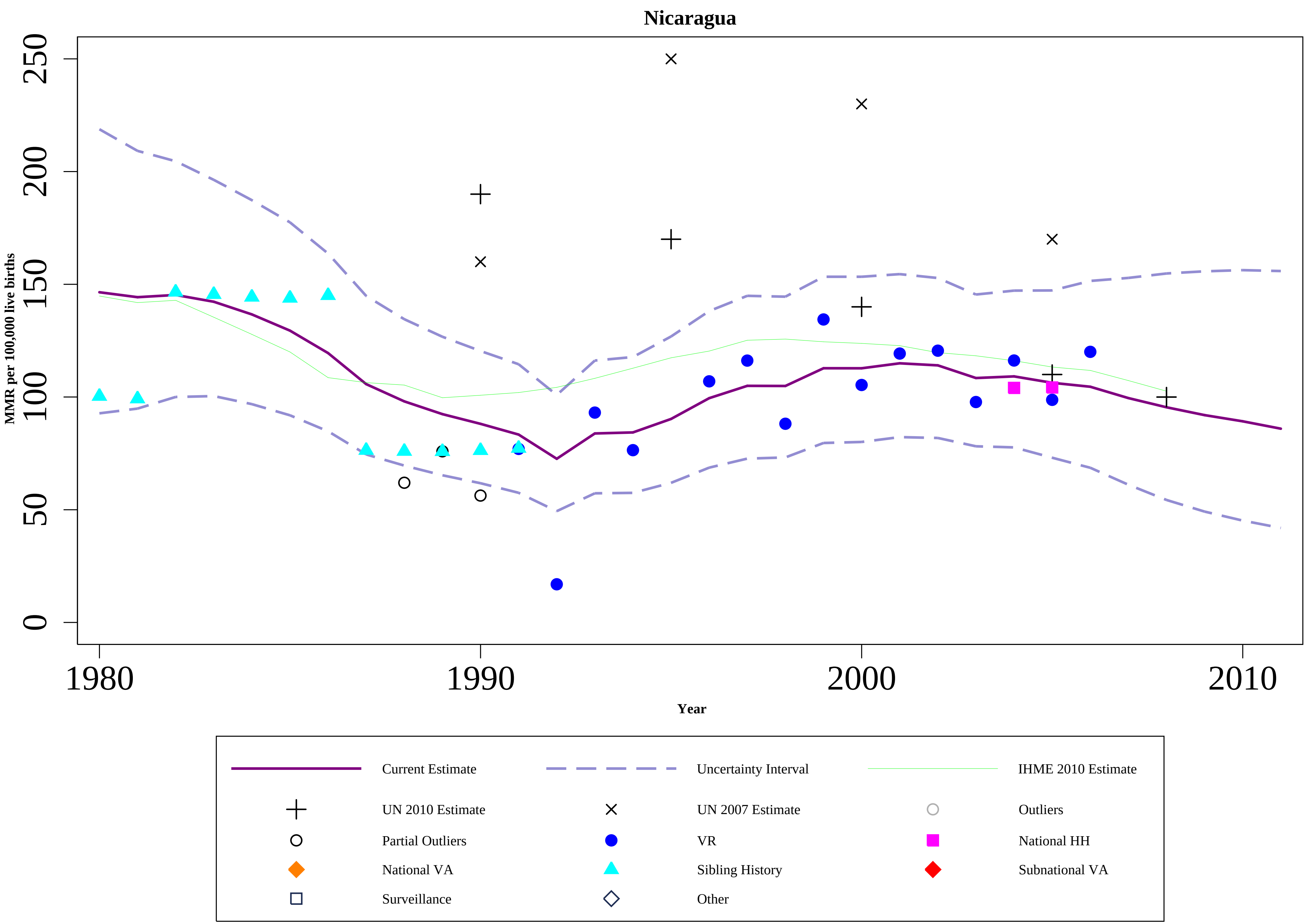

Nicaragua
MMR per 100,000 live births
0
50
100
150
200
250
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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UN 2007 Estimate
Outliers
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Subnational VA
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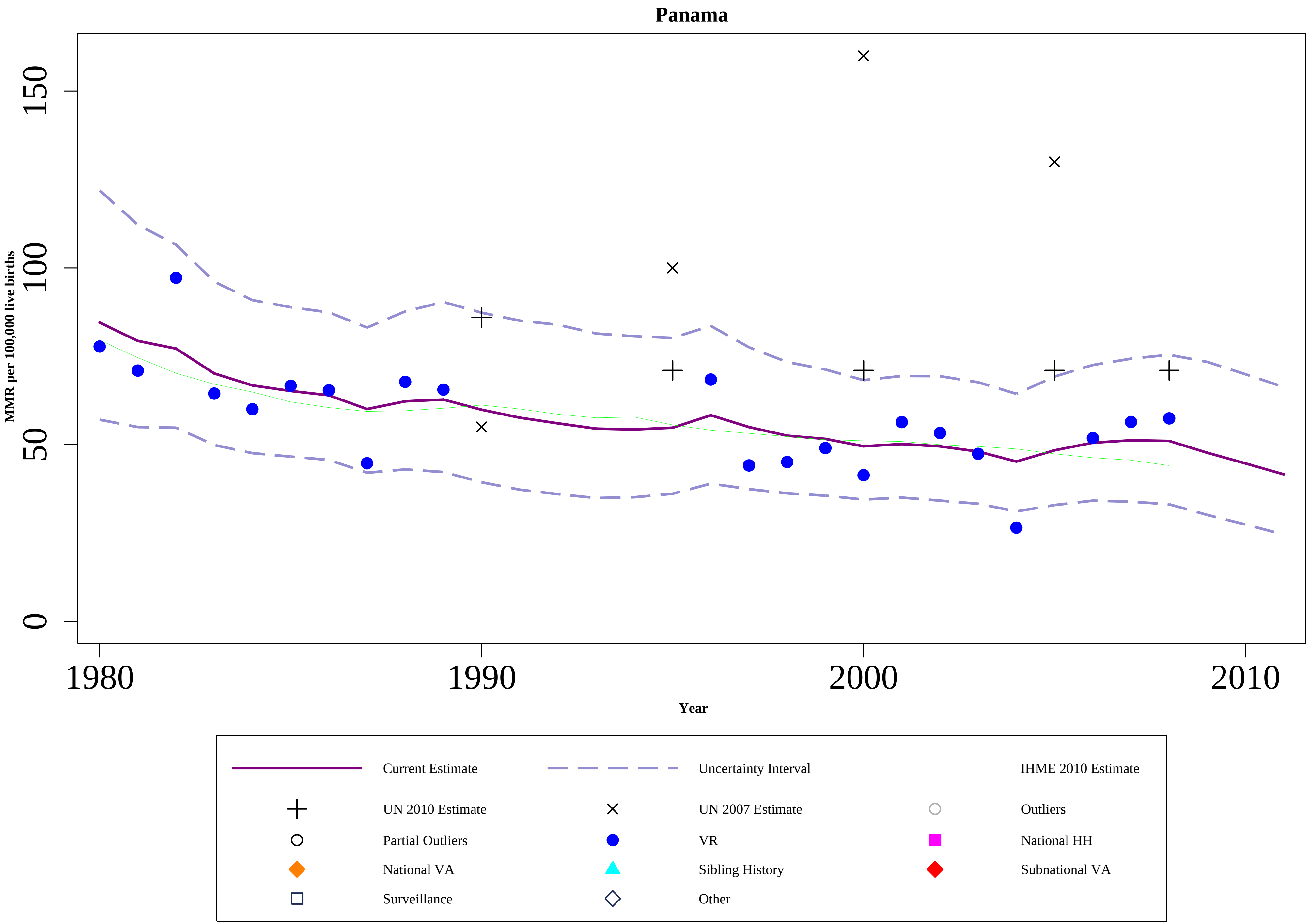
Panama
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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Subnational VA
Surveillance
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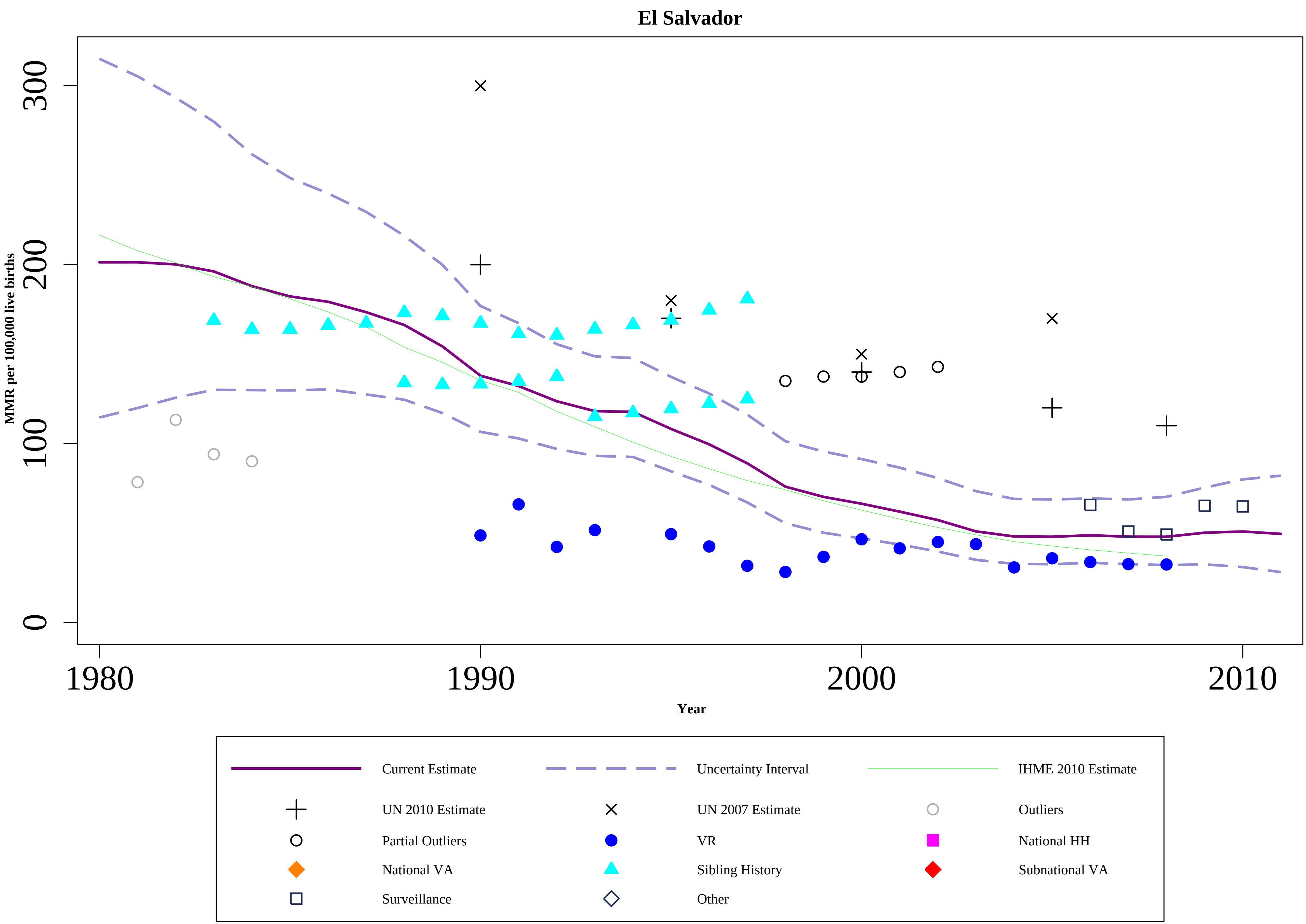
El Salvador
MMR per 100,000 live births
0
100
200
300
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
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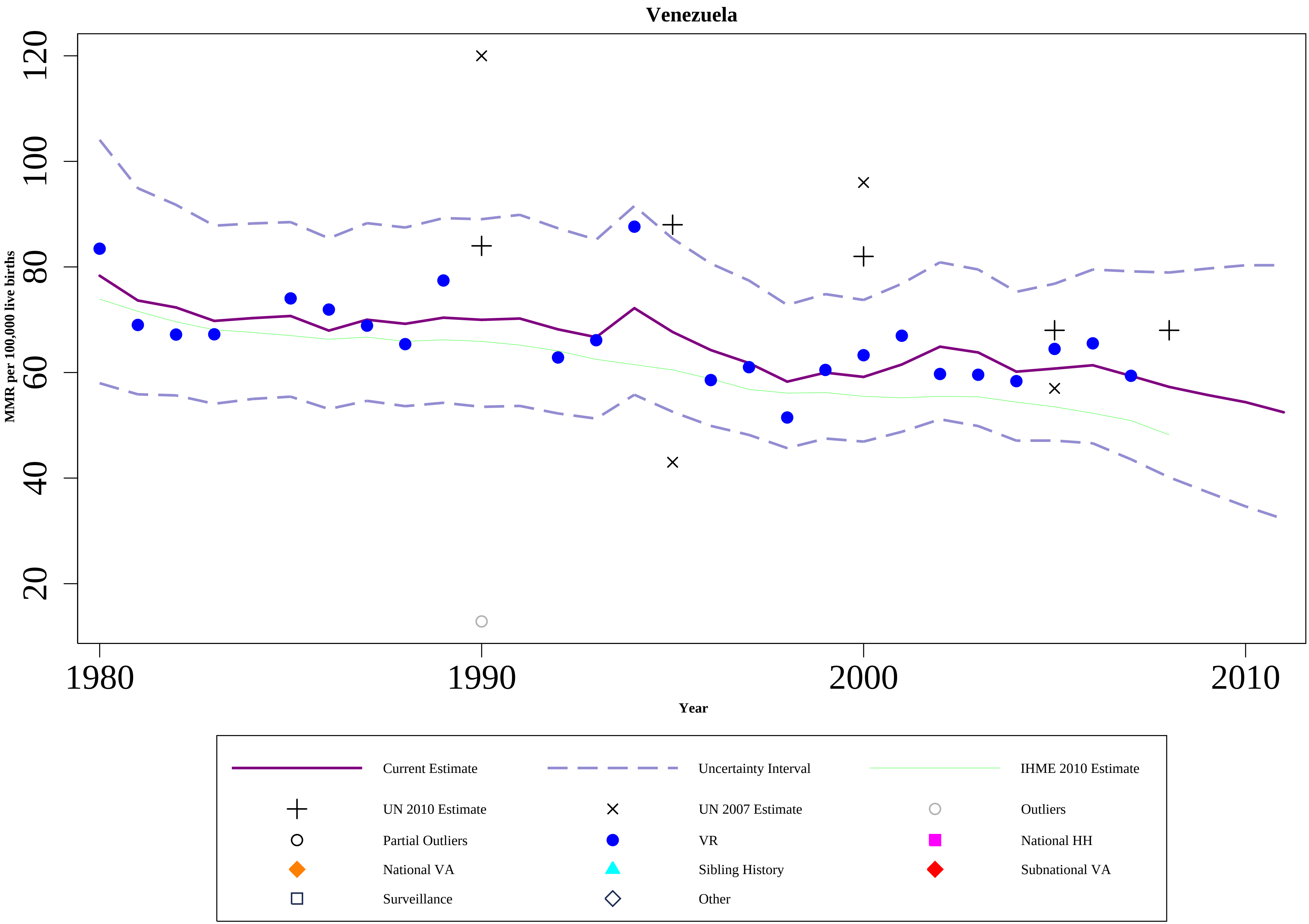
Venezuela
MMR per 100,000 live births
20
40
60
80
100
120
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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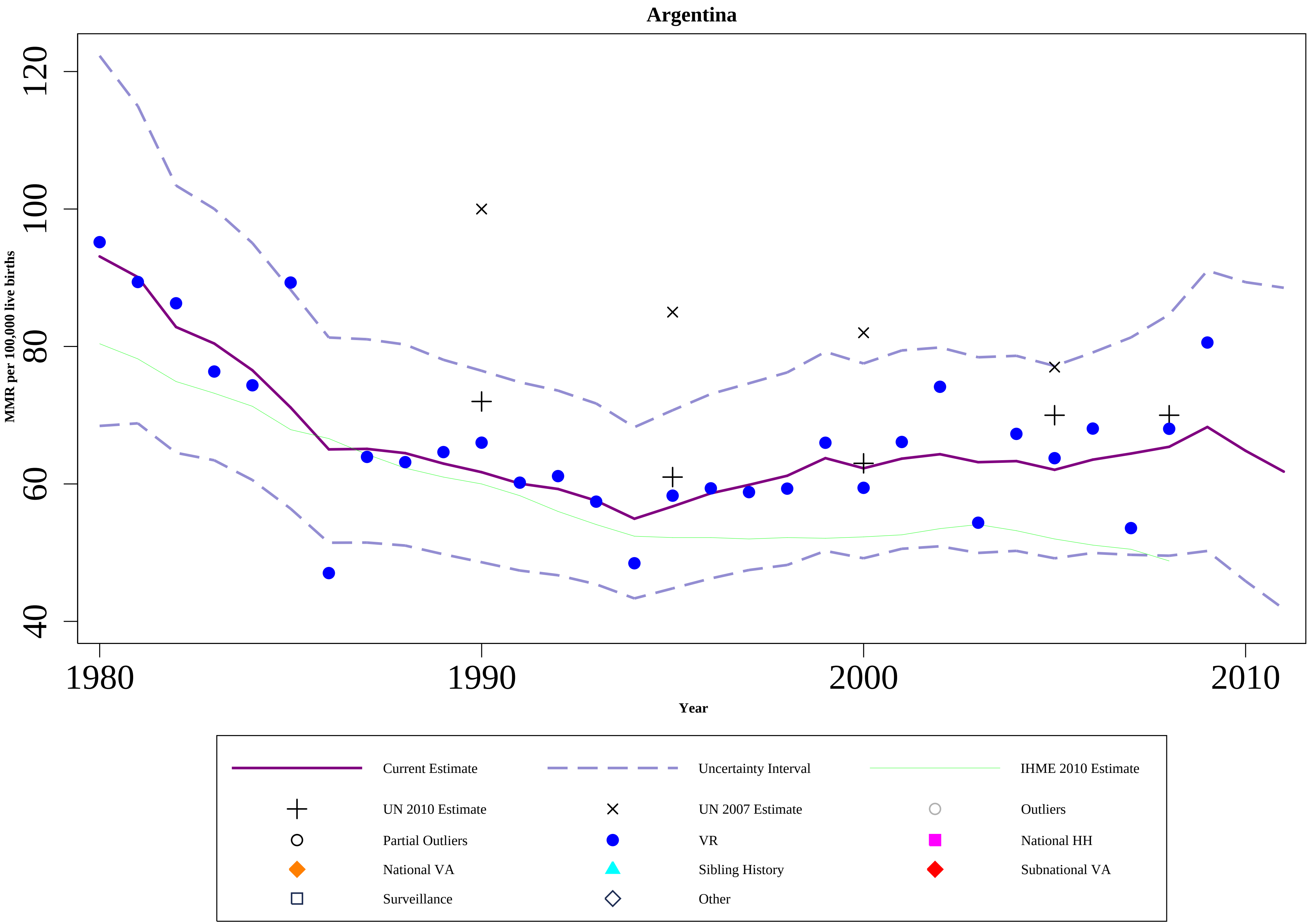

Argentina
120
100
80
60
40
MMR per 100,000 live births
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
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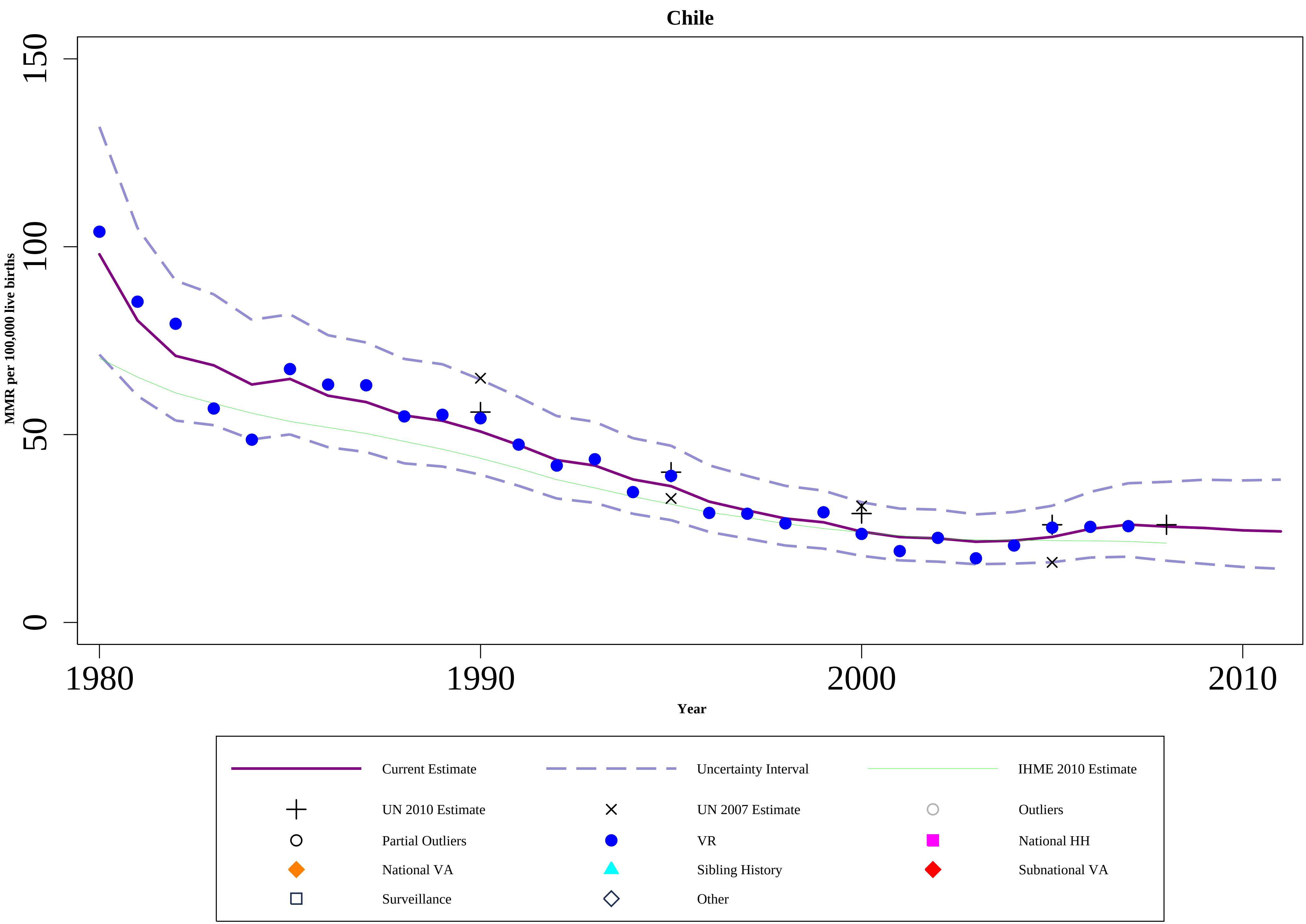
Other



Chile
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
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National HH
National VA
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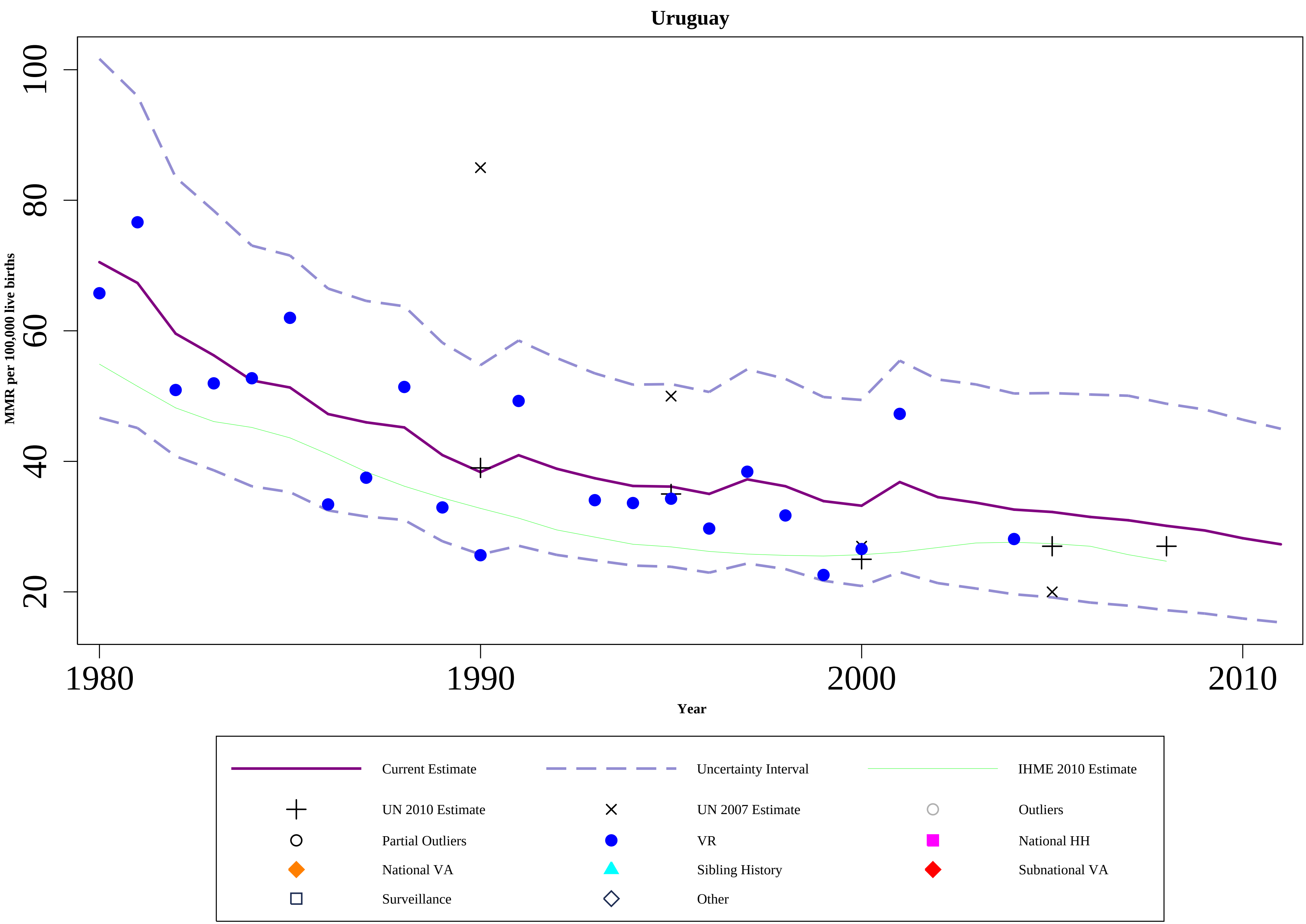
Subnational VA
Surveillance
Other



Uruguay
MMR per 100,000 live births
20
40
60
80
100
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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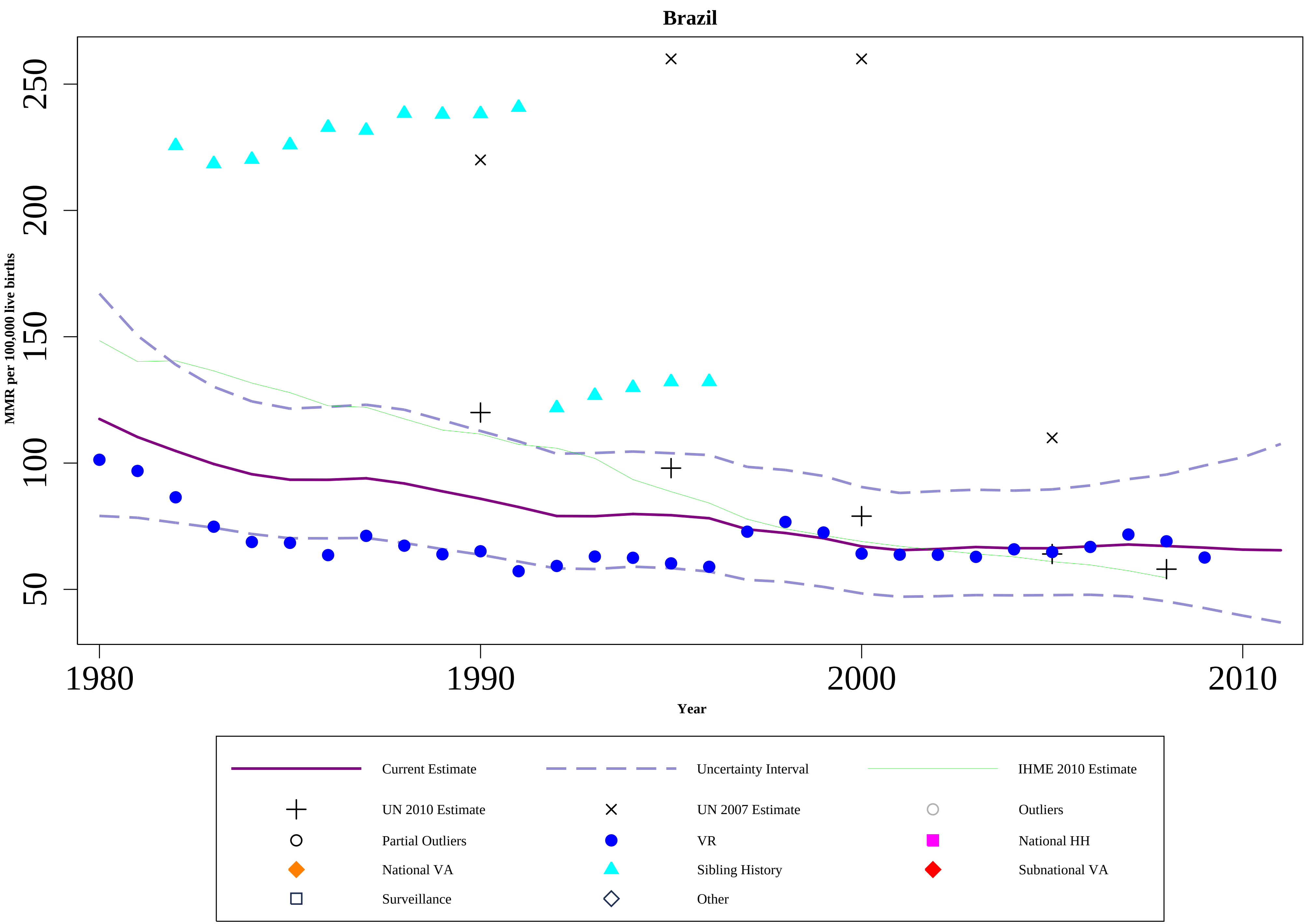
Brazil
MMR per 100,000 live births
250
200
150
100
50
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
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National HH
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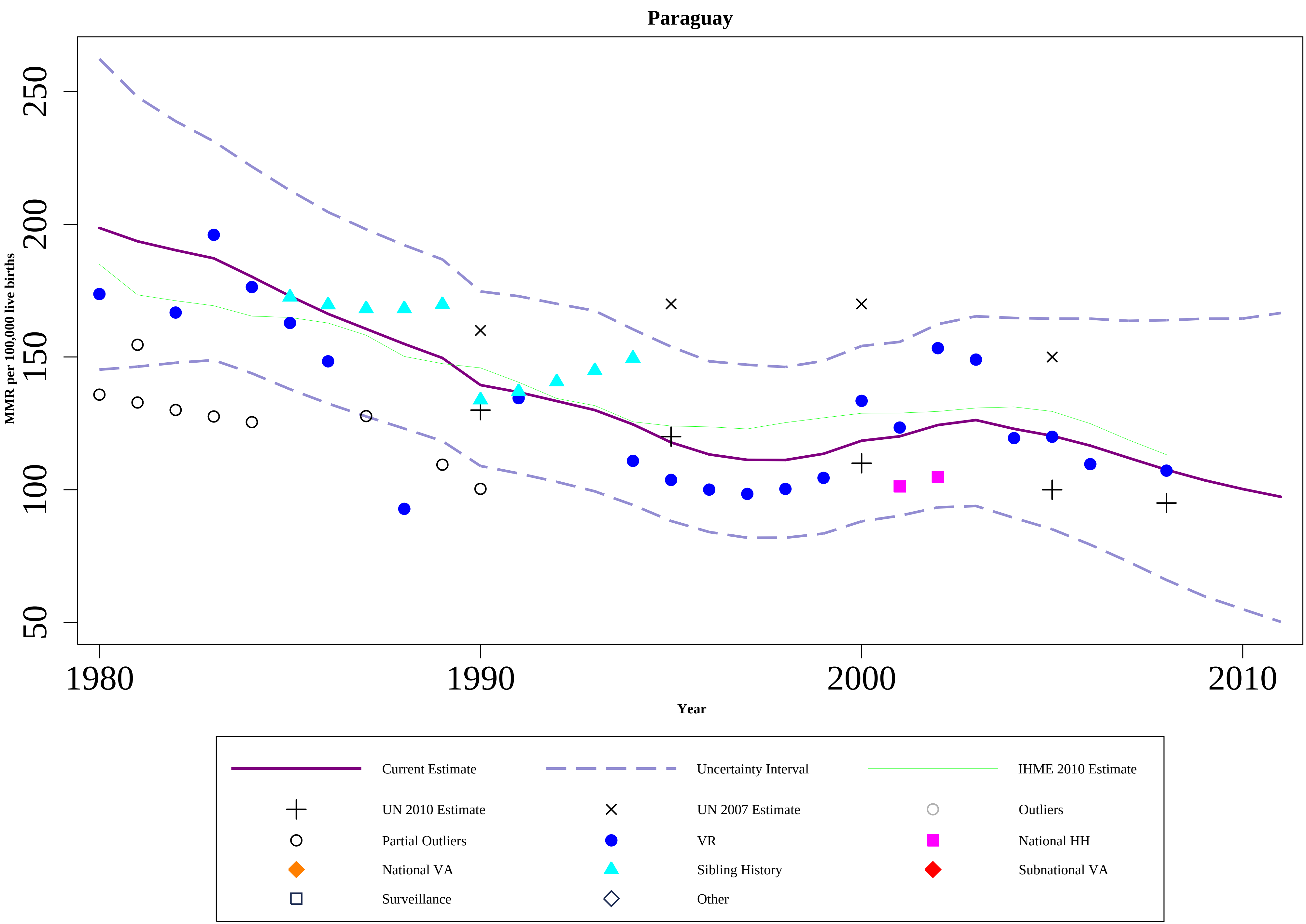
Sibling History
Subnational VA
Surveillance
Other


Paraguay
MMR per 100,000 live births
250
200
150
100
50
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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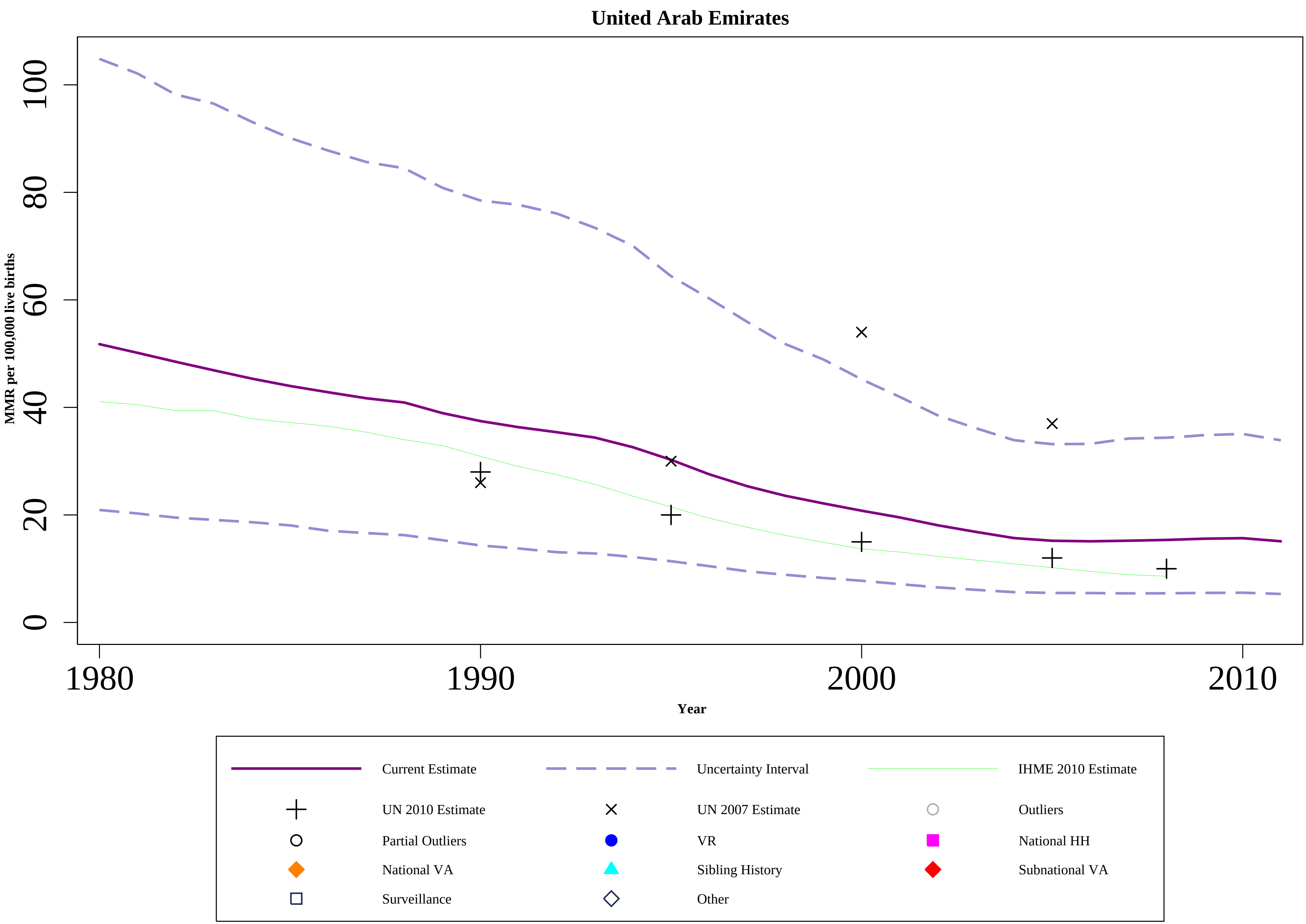
Subnational VA
Surveillance
Other



United Arab Emirates
MMR per 100,000 live births
0
20
40
60
80
100
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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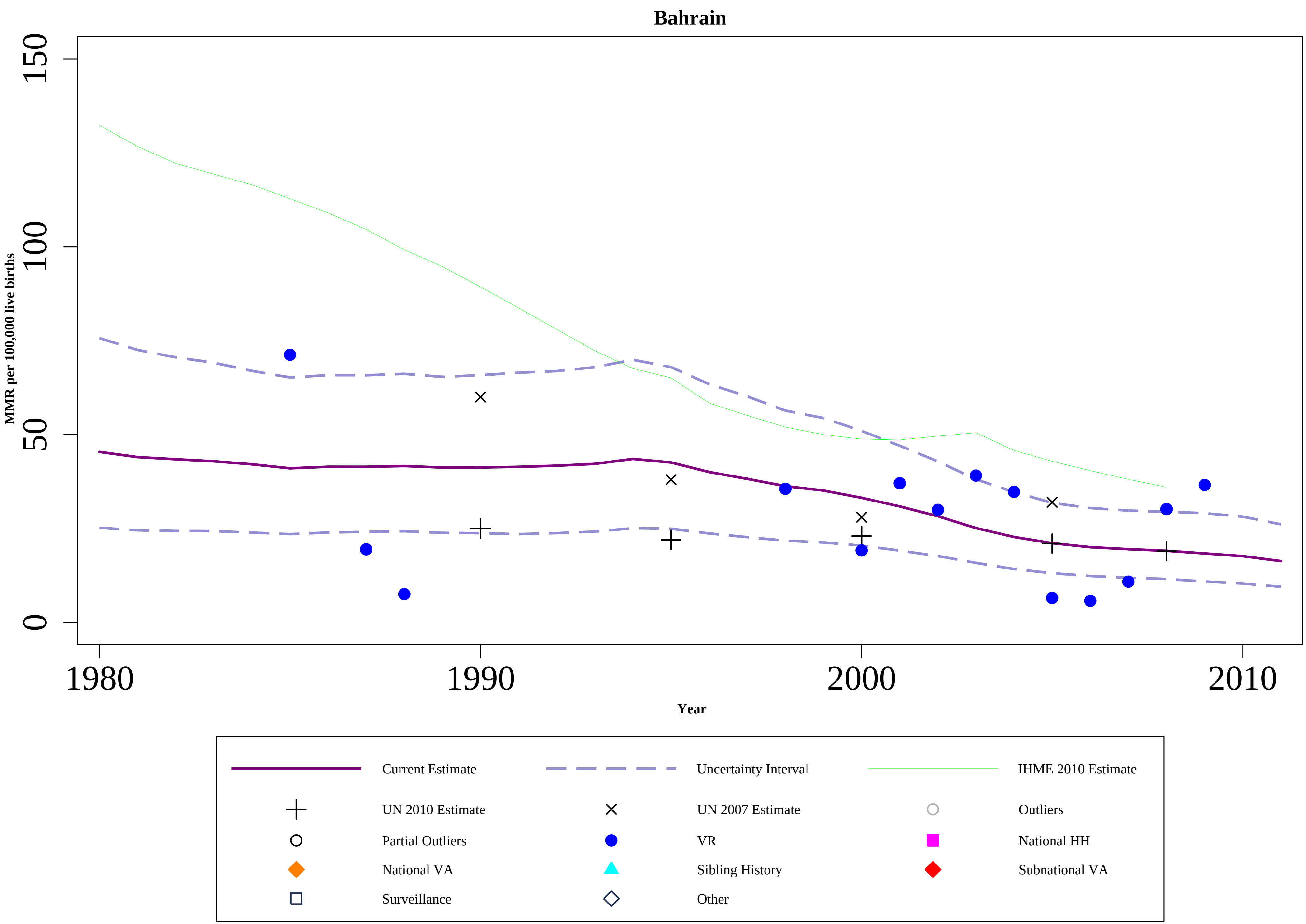

Bahrain
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
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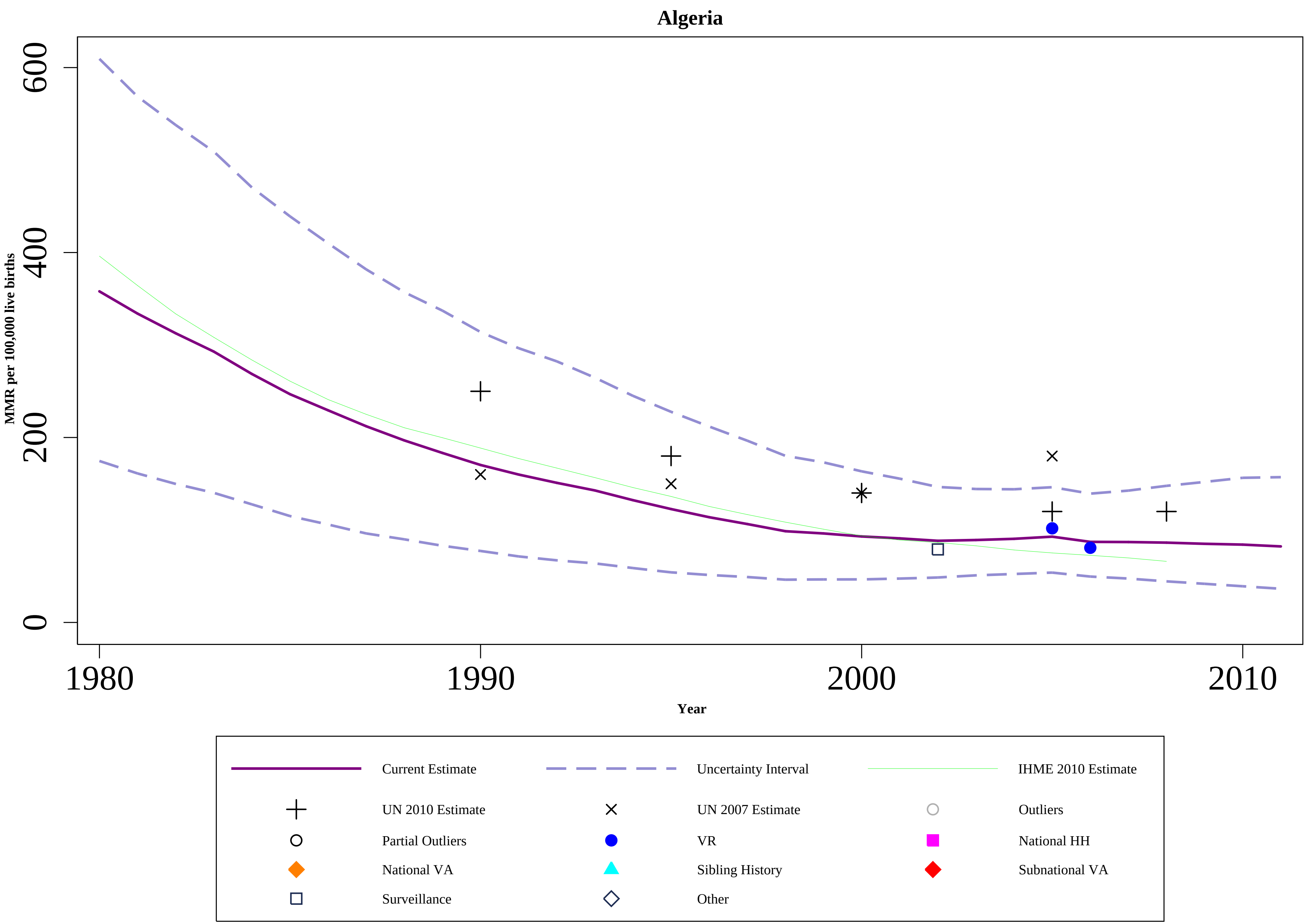
Surveillance
Other


Algeria
MMR per 100,000 live births
600
400
200
0
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
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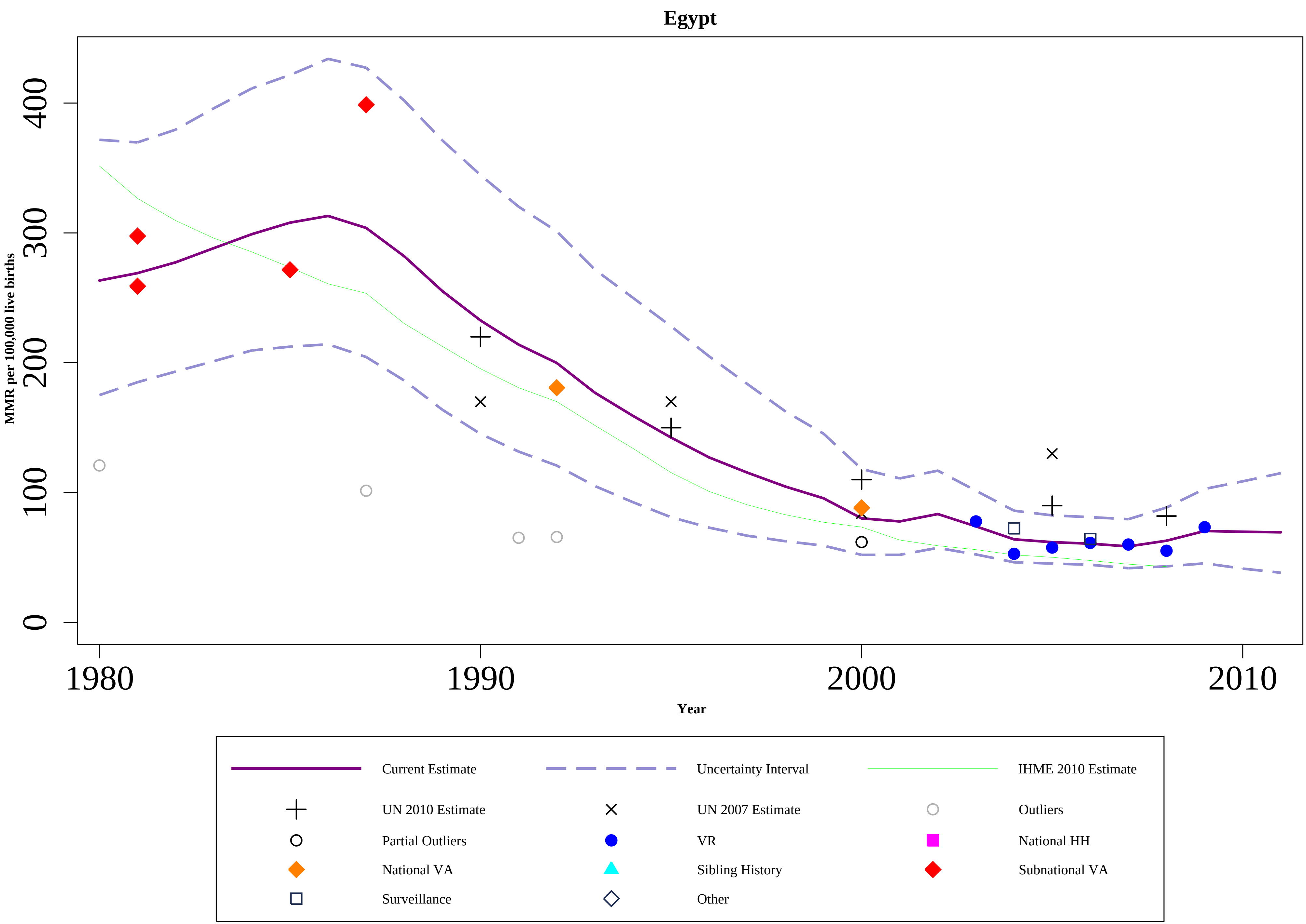
Egypt
MMR per 100,000 live births
0
100
200
300
400
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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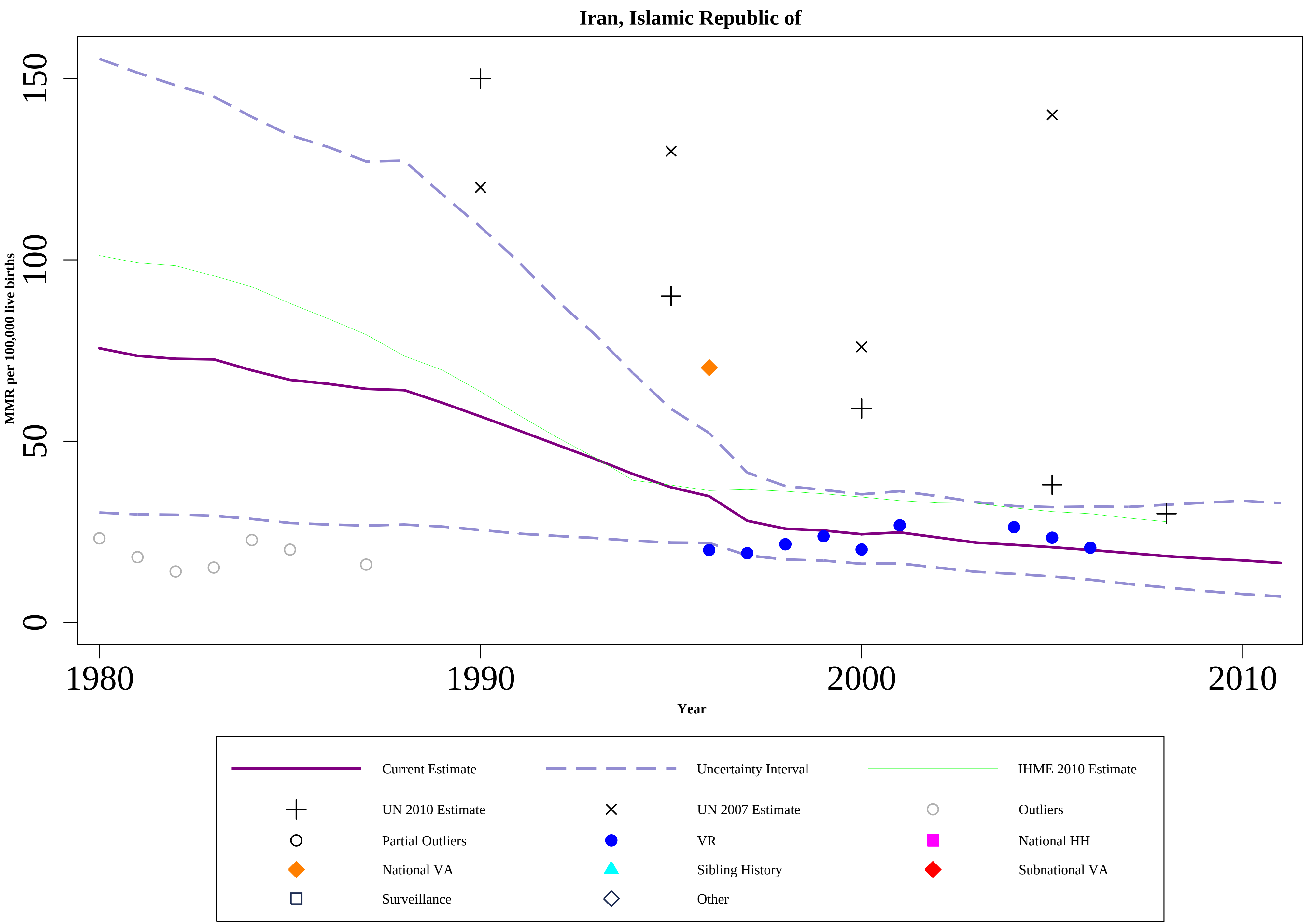
Other


Iran, Islamic Republic of
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
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Subnational VA
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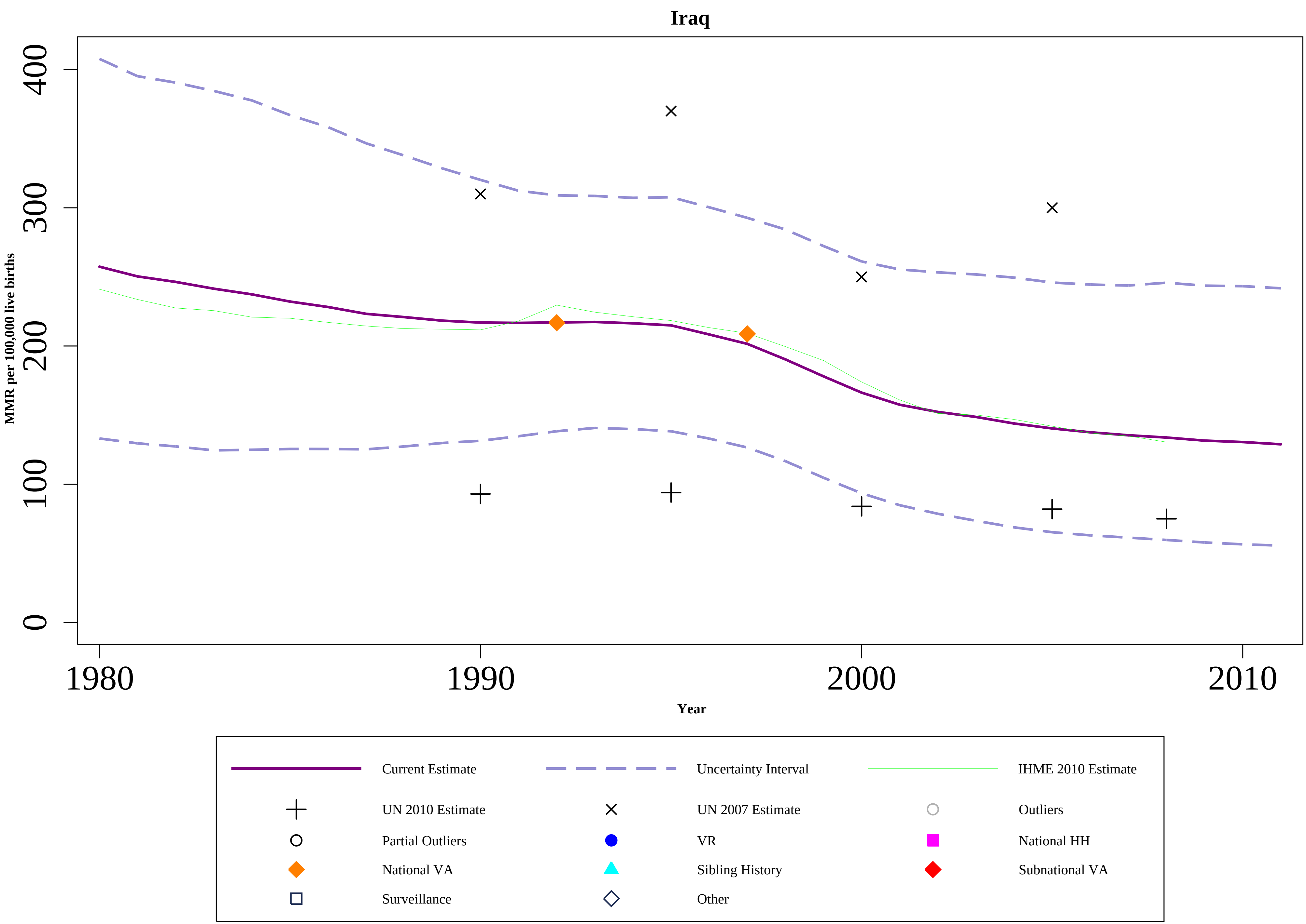

Iraq
MMR per 100,000 live births
0
100
200
300
400
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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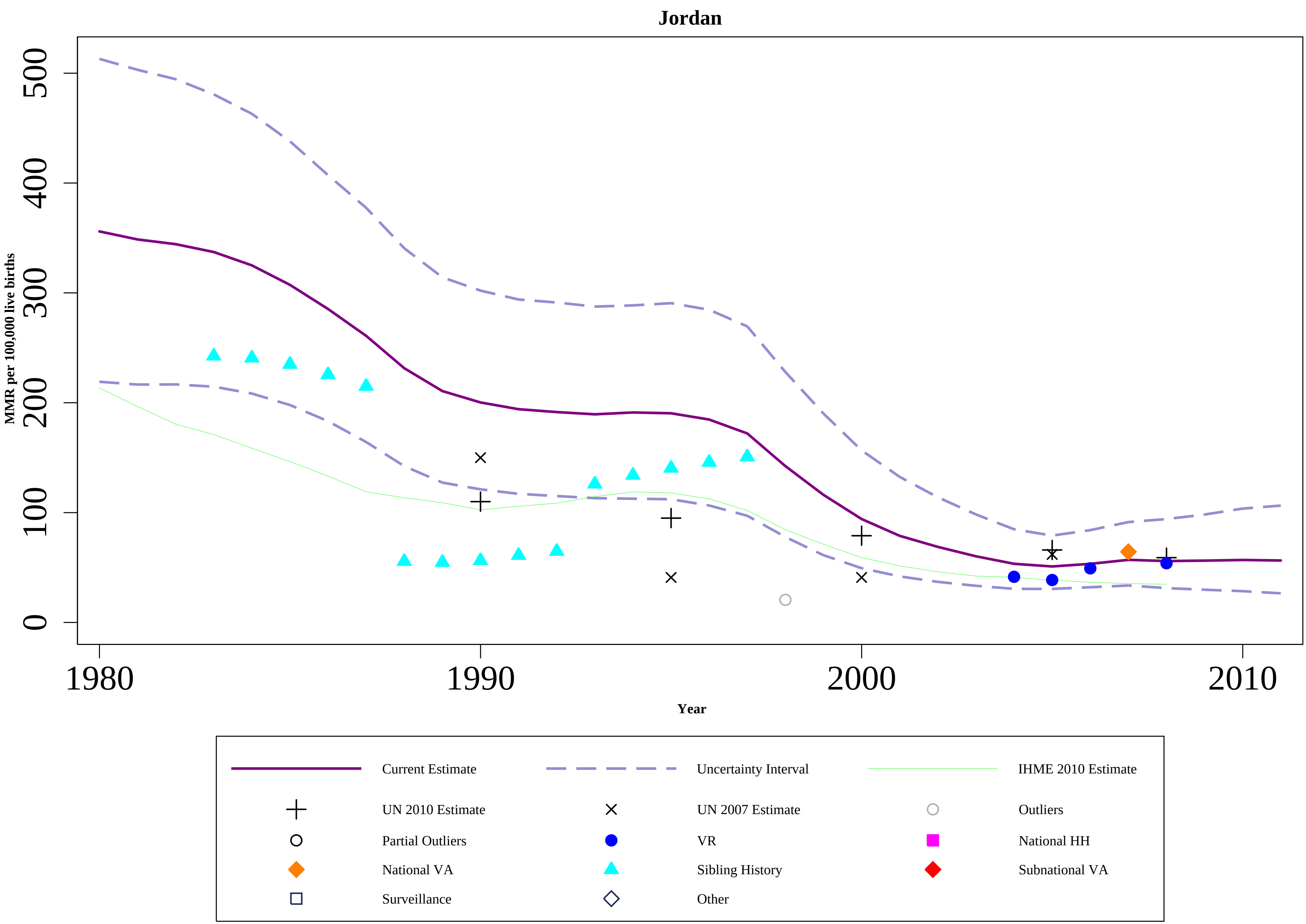
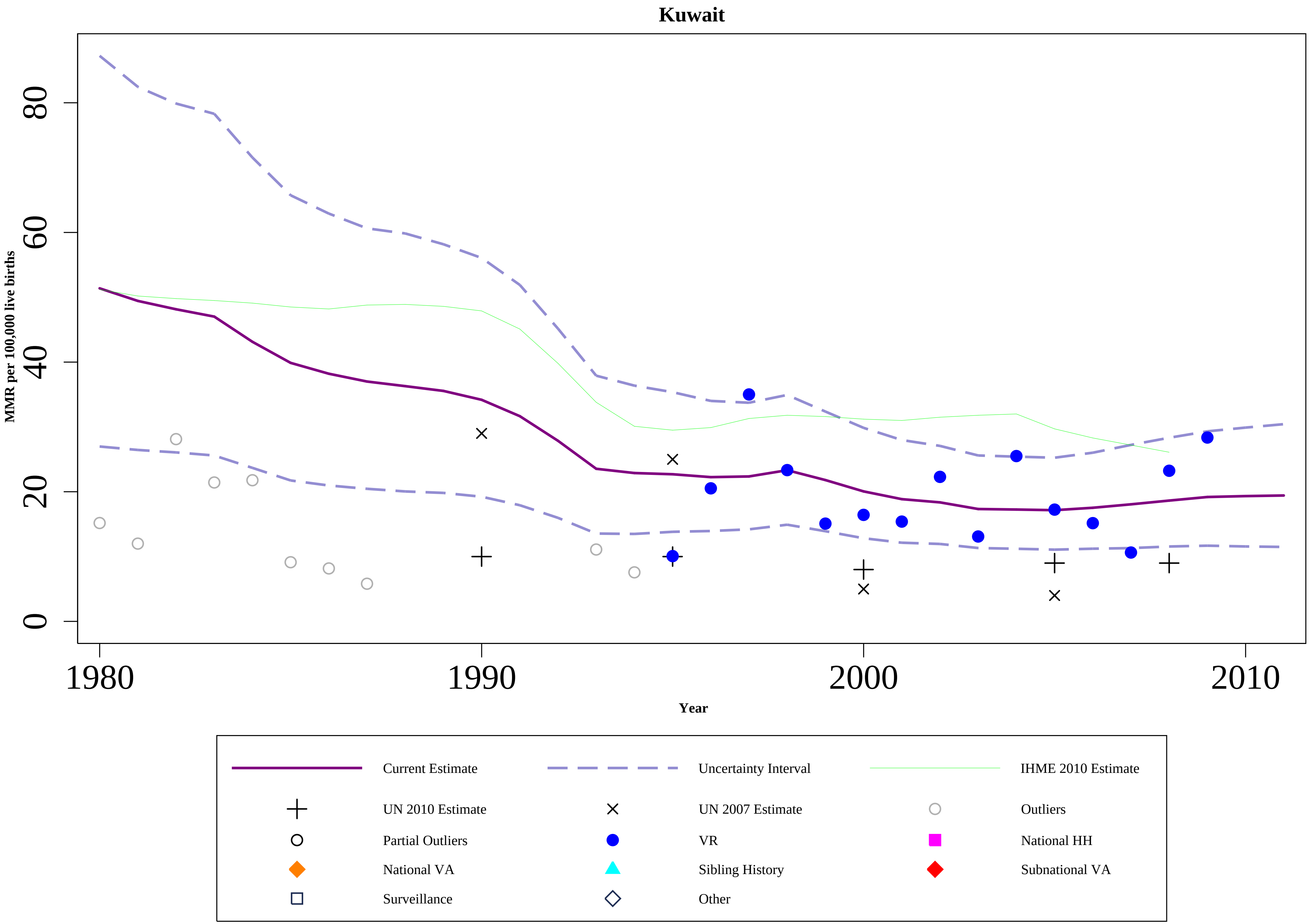
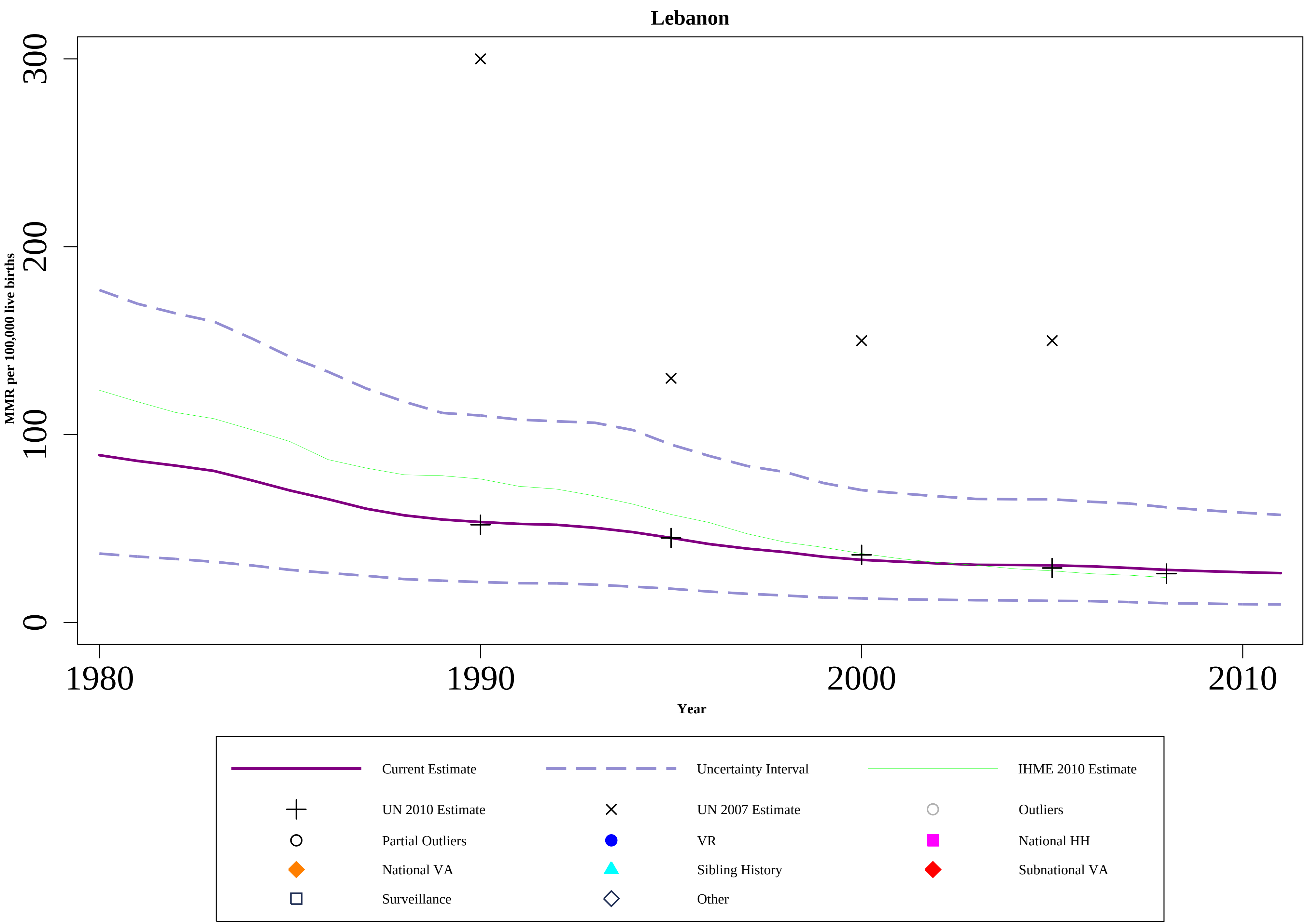
Surveillance
Other

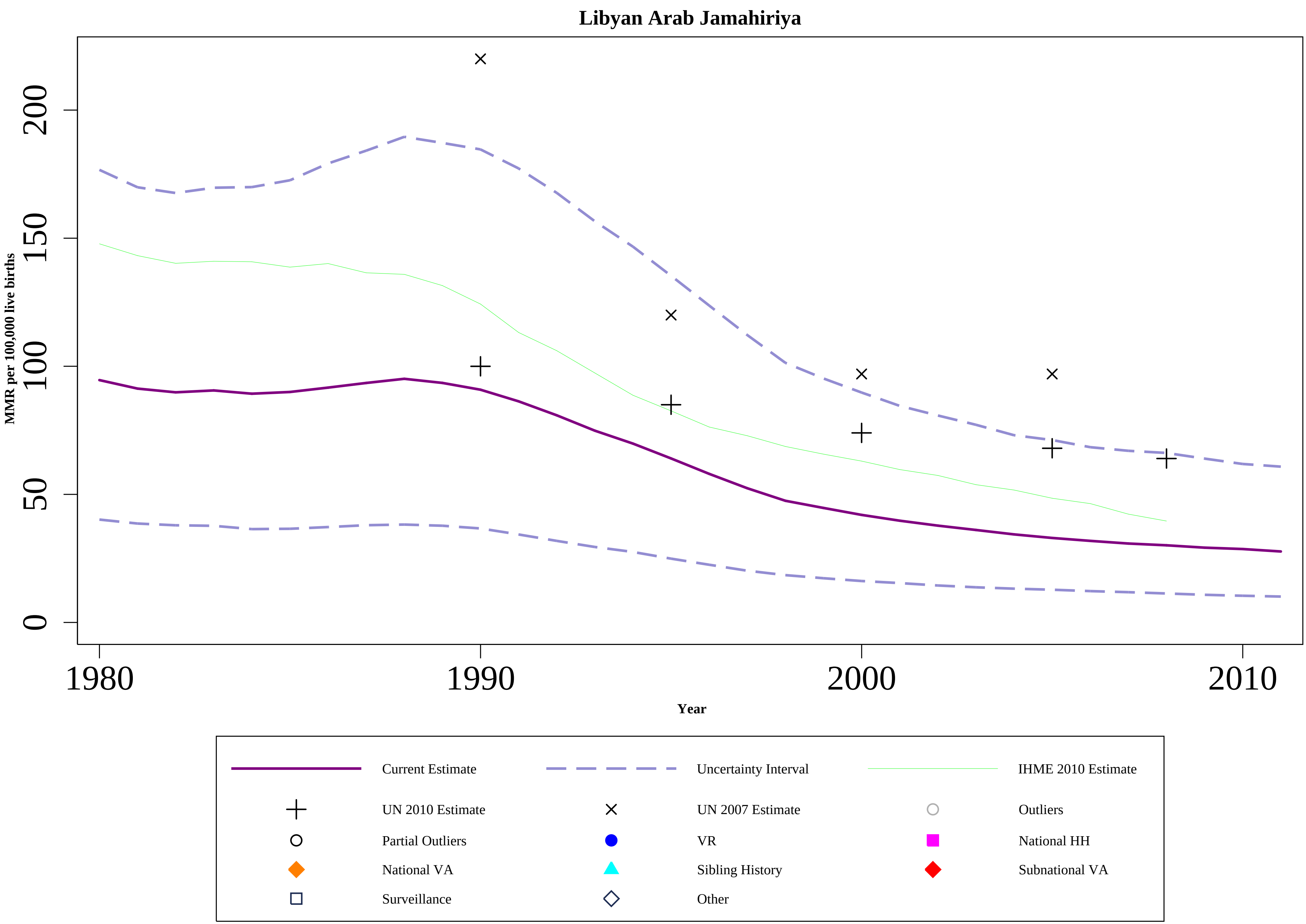


Jordan
MMR per 100,000 live births
0
100
200
300
400
500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Kuwait
MMR per 100,000 live births
0
20
40
60
80
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Lebanon
MMR per 100,000 live births
0
100
200
300
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Libyan Arab Jamahiriya
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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VR
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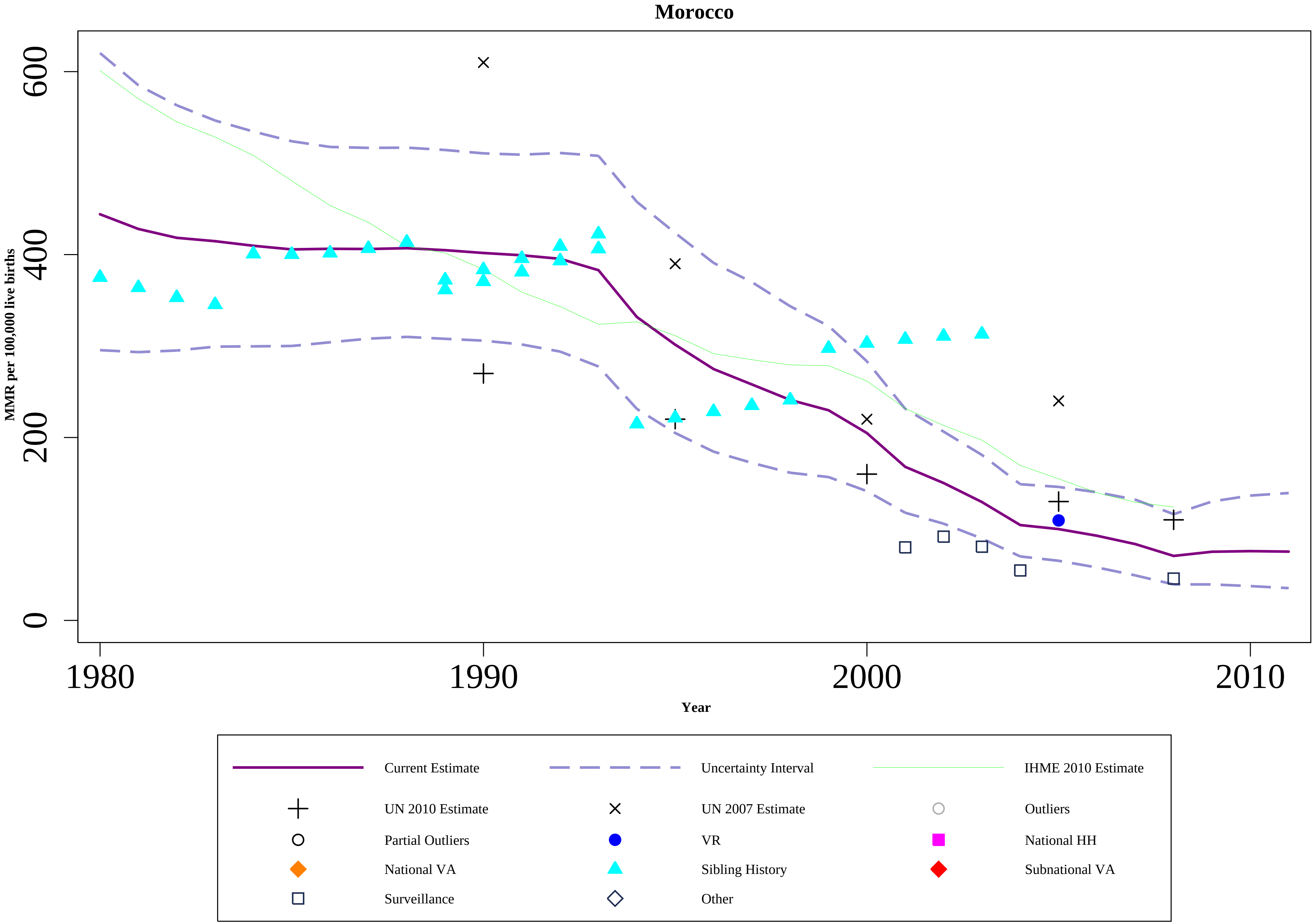
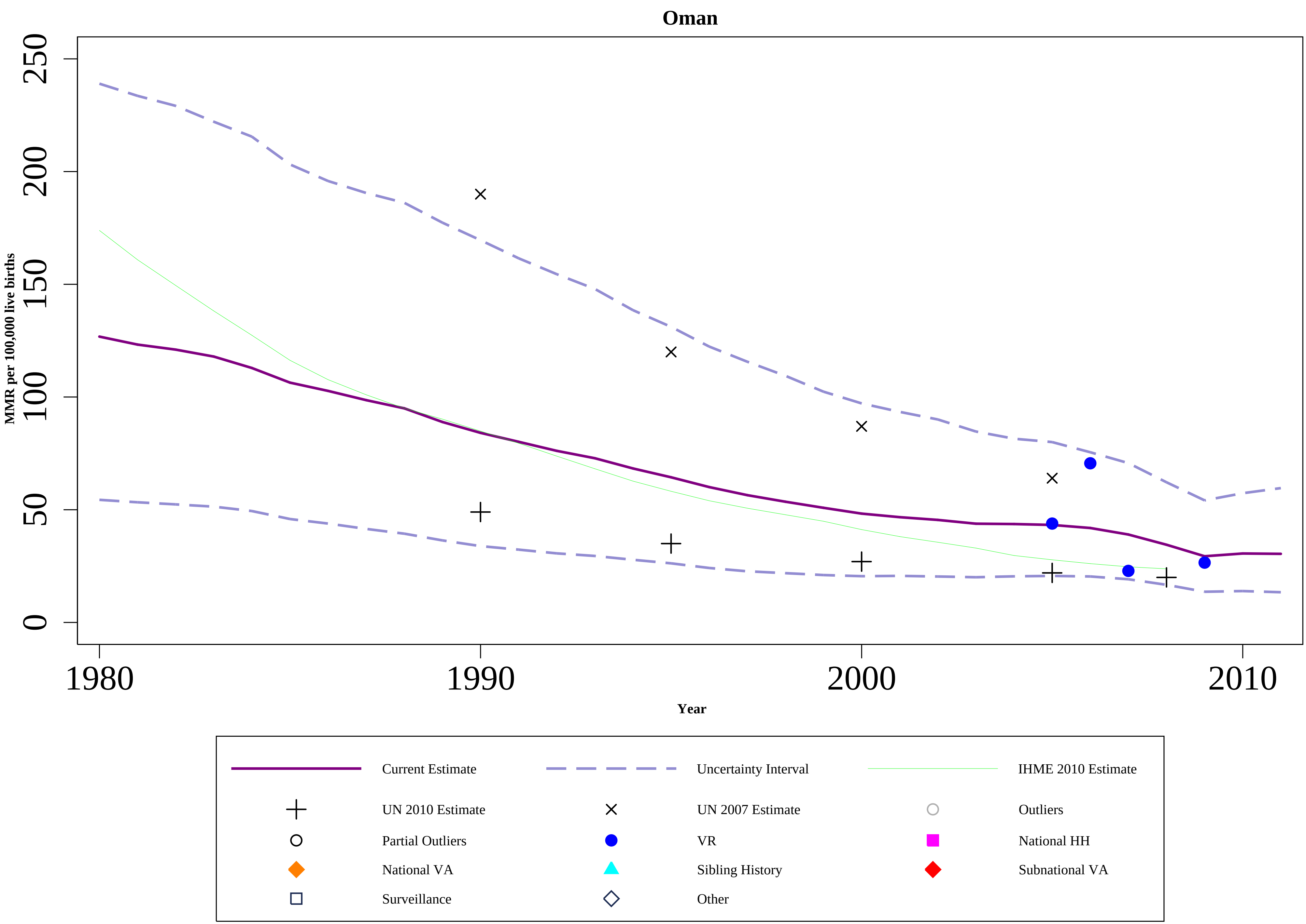
National VA
Sibling History
Subnational VA
Surveillance
Other


Morocco
MMR per 100,000 live births
0
200
400
600
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Oman
MMR per 100,000 live births
0
50
100
150
200
250
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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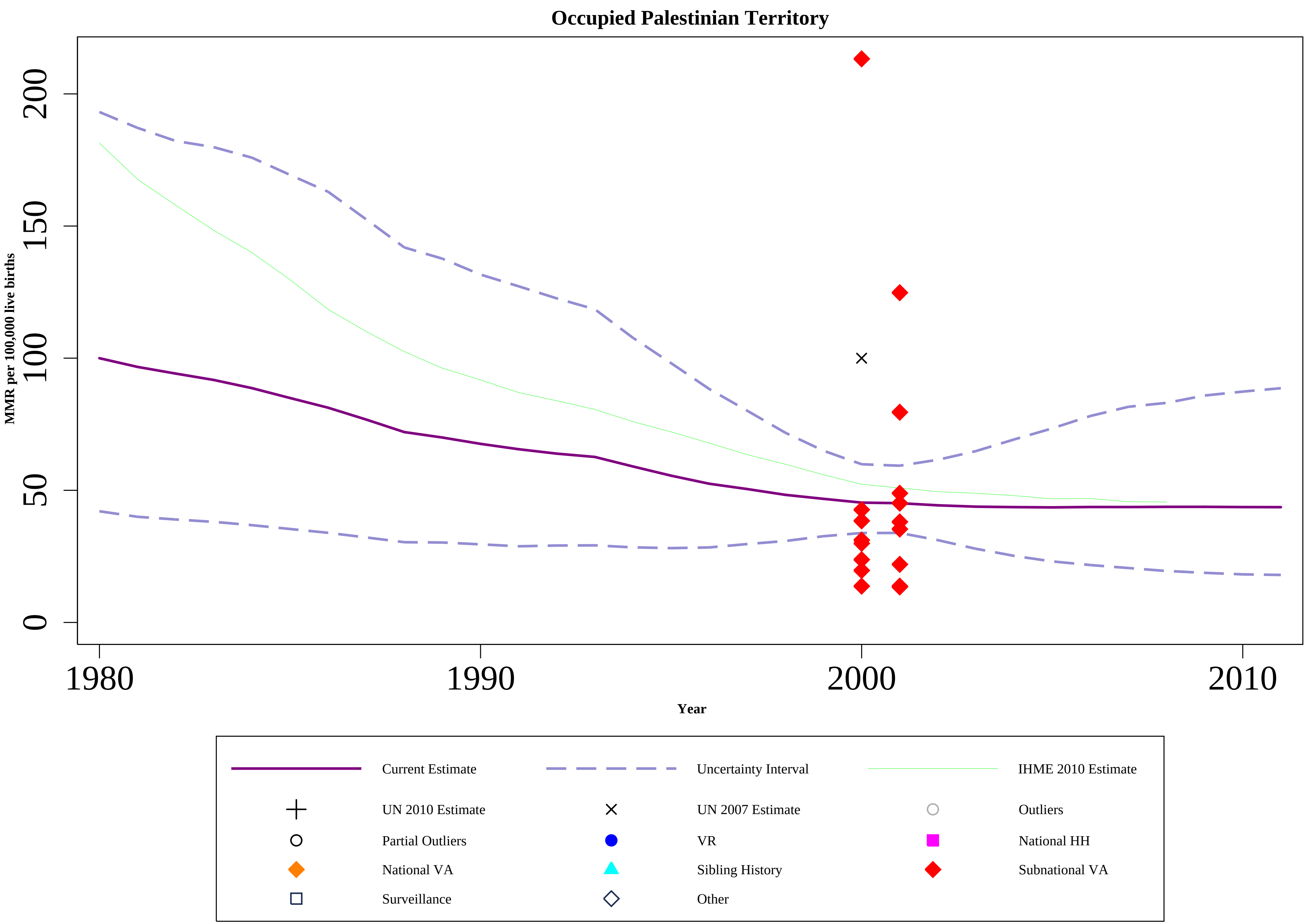
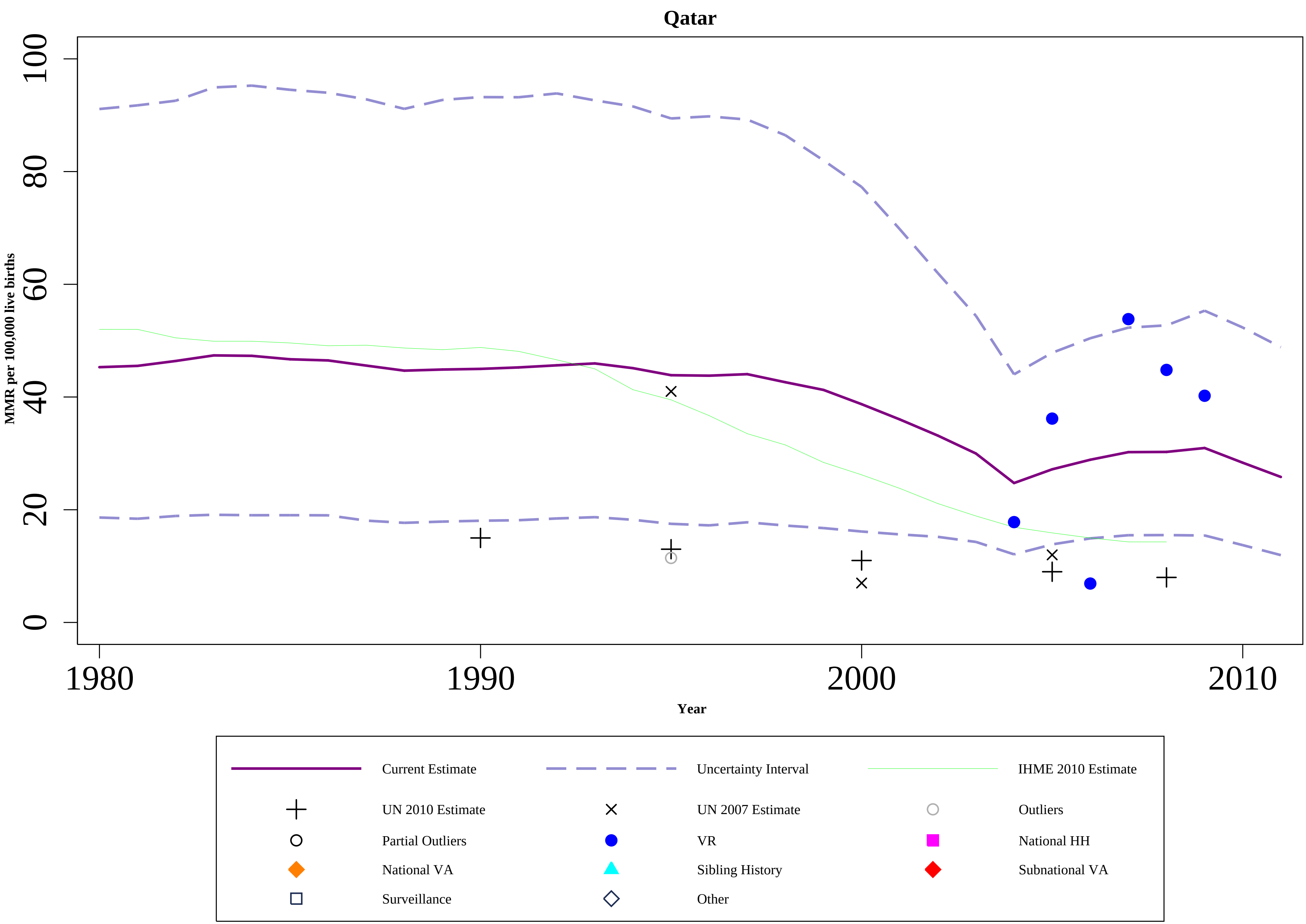
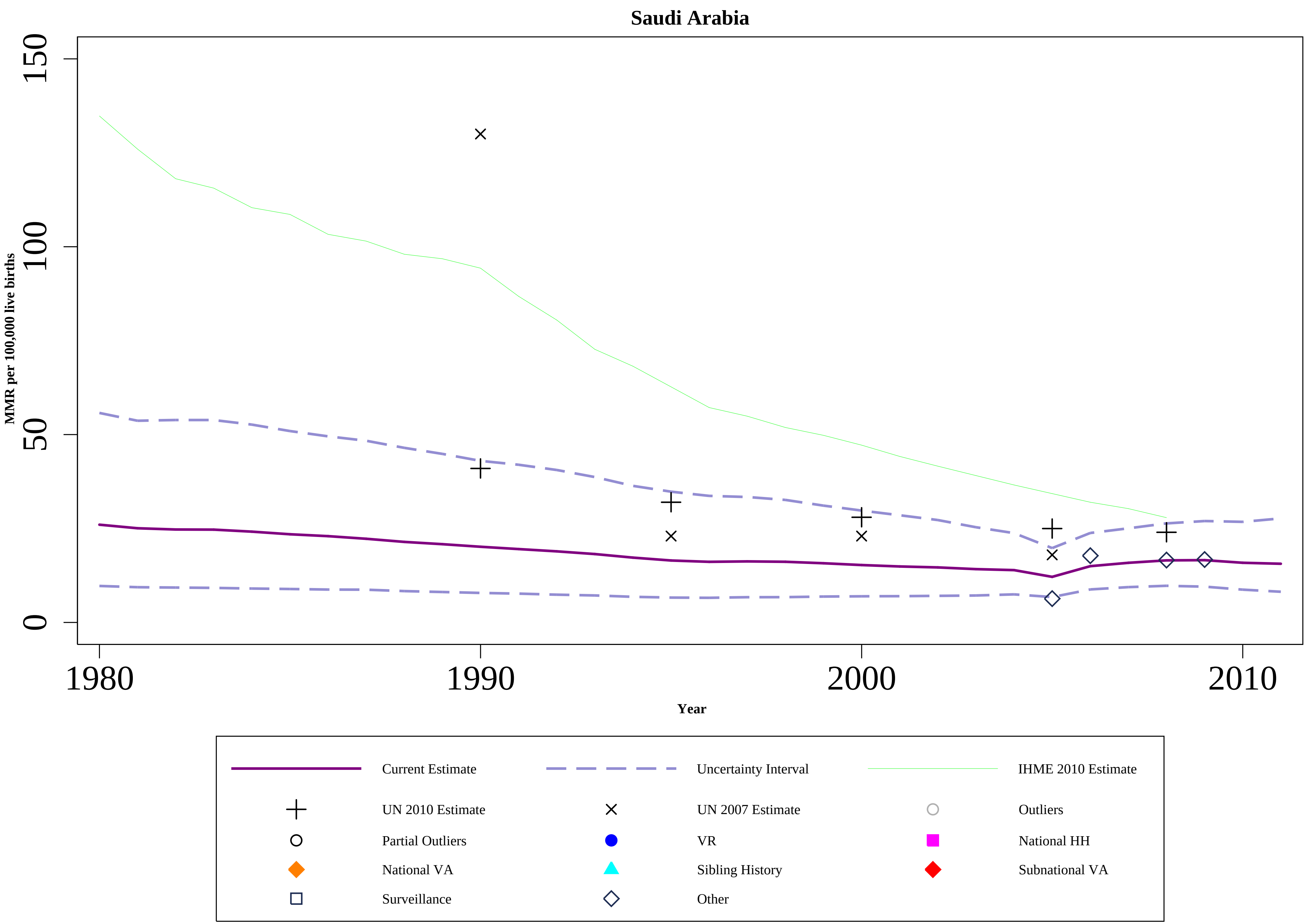
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Occupied Palestinian Territory
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Qatar
MMR per 100,000 live births
0
20
40
60
80
100
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Saudi Arabia
MMR per 100,000 live births
0
50
100
150
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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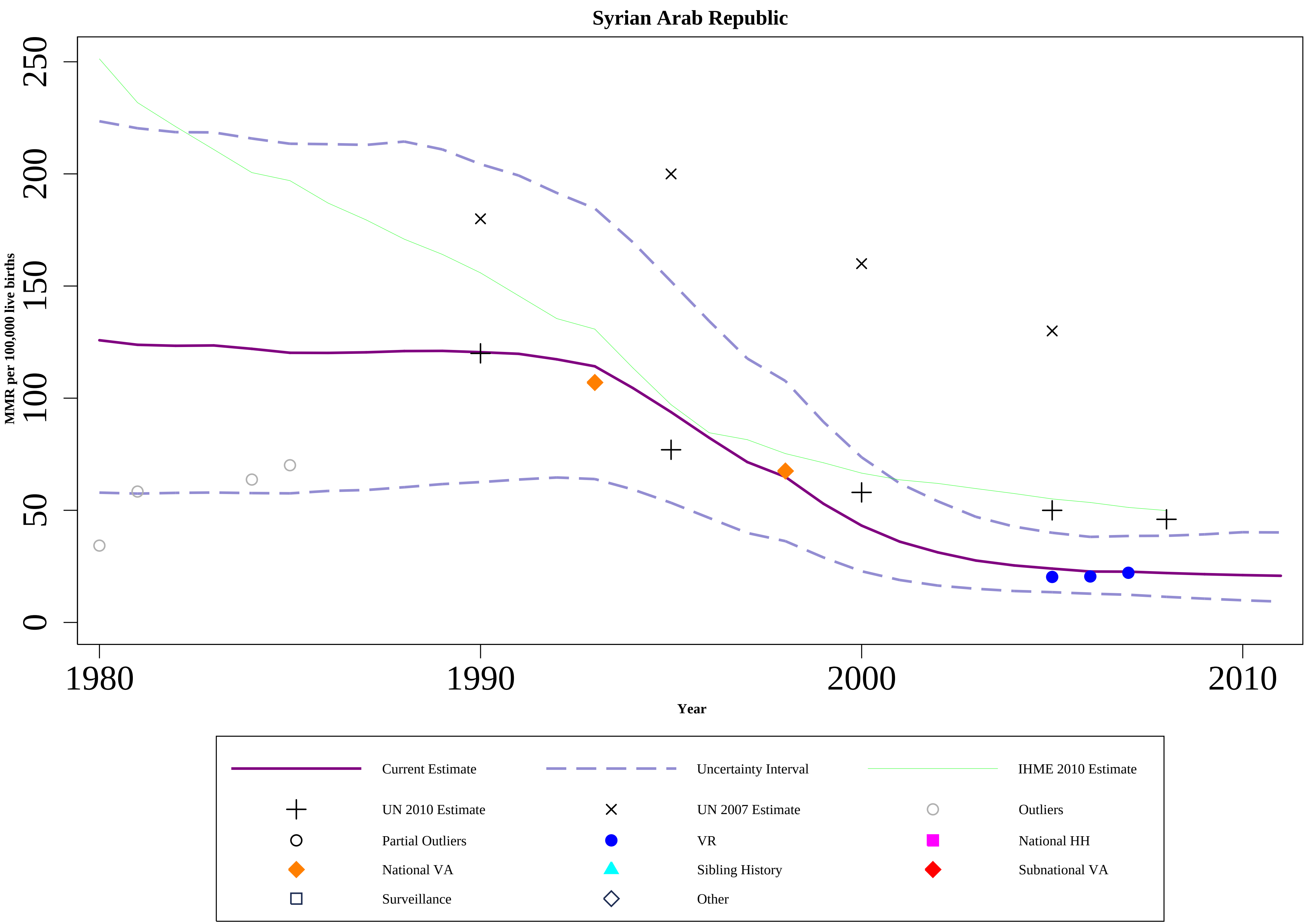
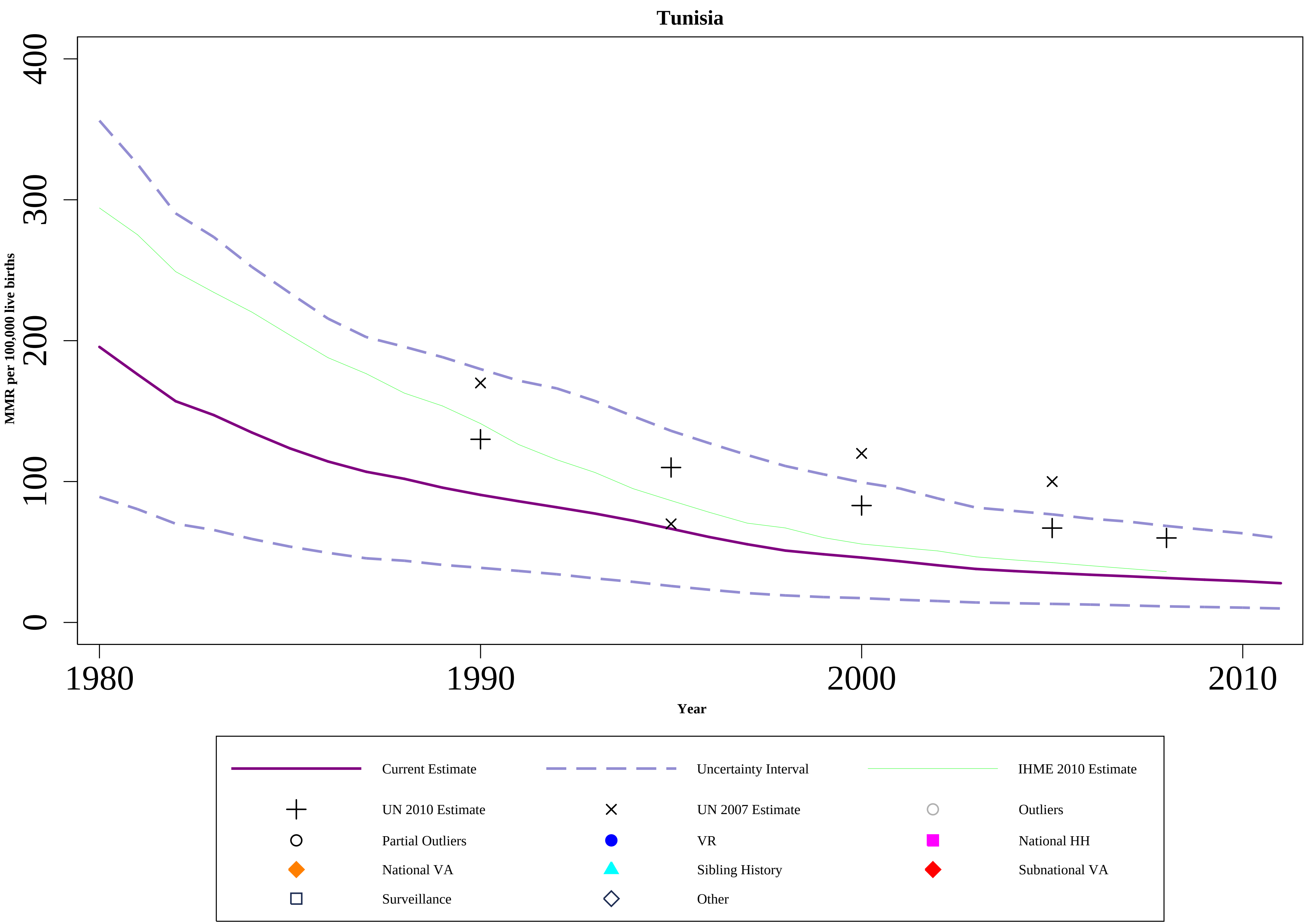
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Syrian Arab Republic
MMR per 100,000 live births
0
50
100
150
200
250
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Tunisia
MMR per 100,000 live births
0
100
200
300
400
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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VR
National HH
National VA
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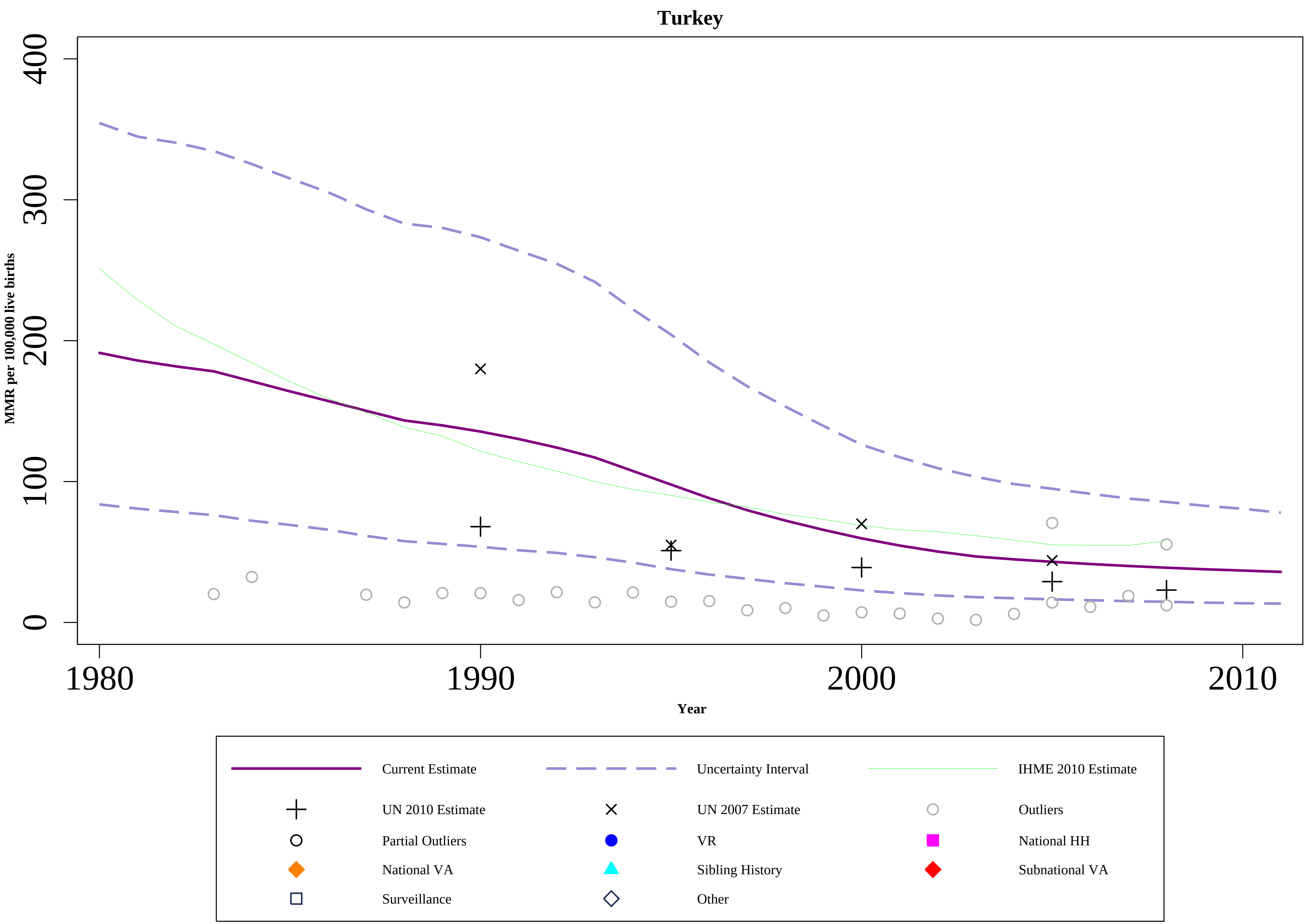
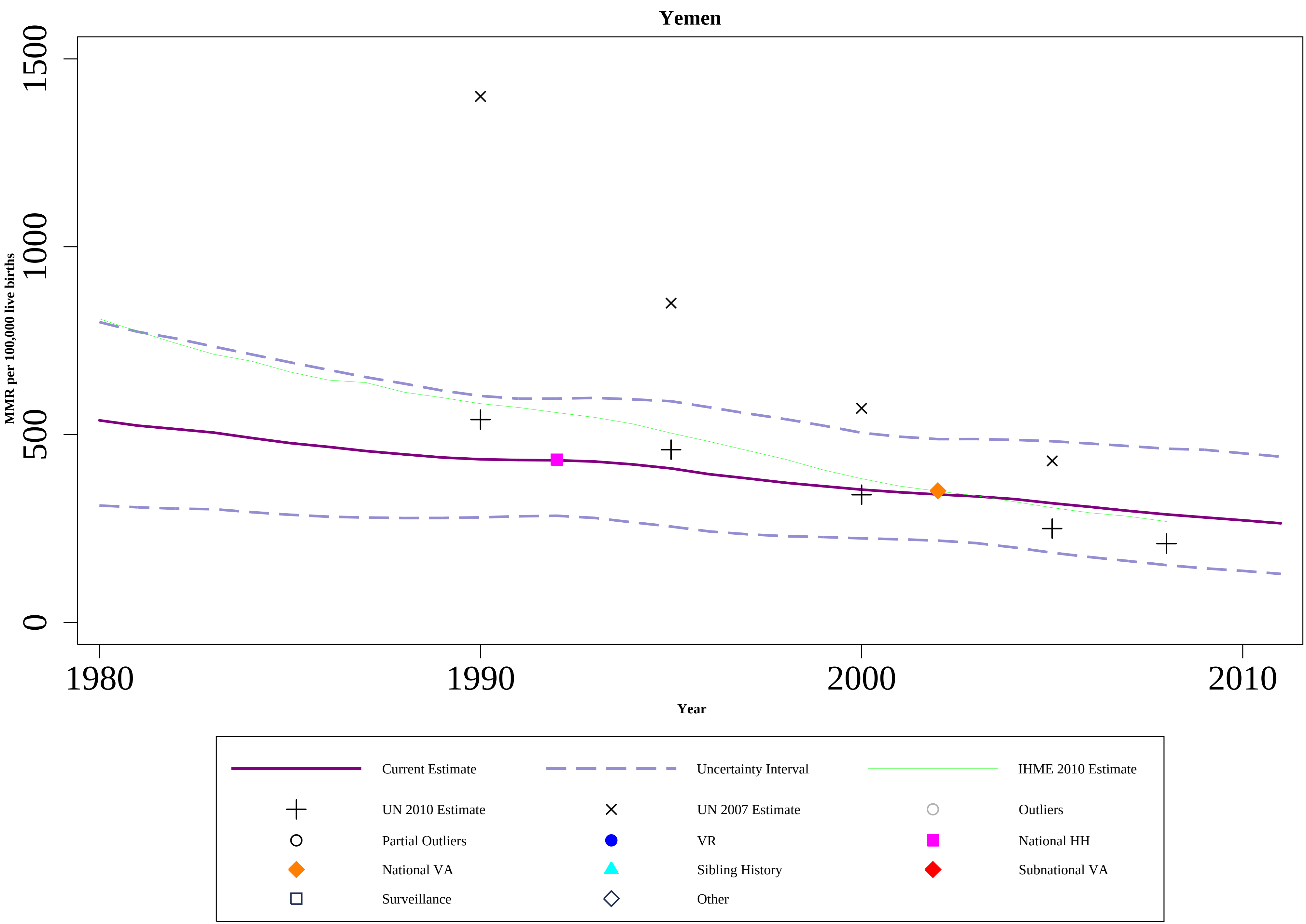
Subnational VA
Surveillance
Other


Turkey
MMR per 100,000 live births
0
100
200
300
400
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Yemen
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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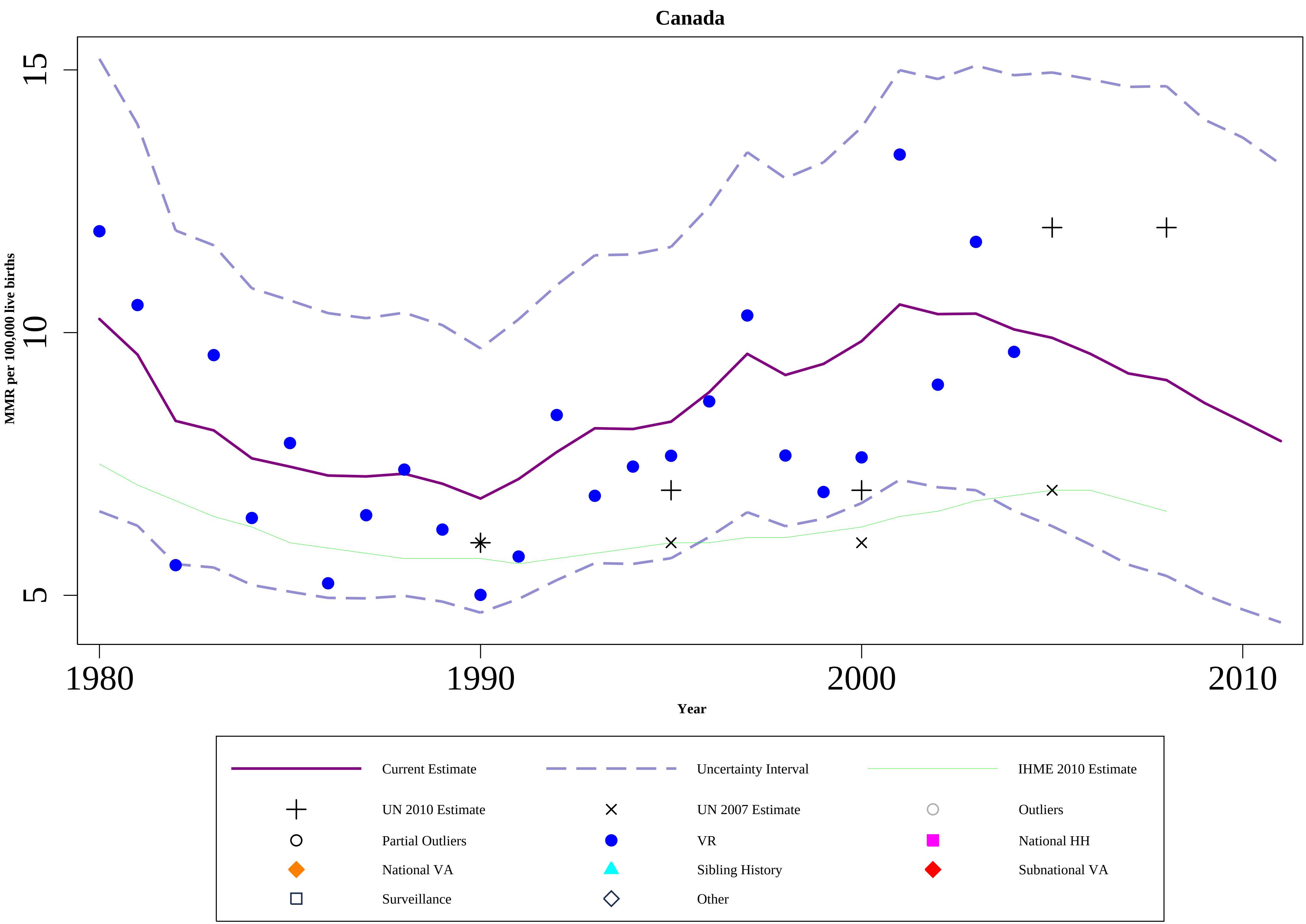
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other



Canada
15
10
5
MMR per 100,000 live births
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
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Sibling History
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Surveillance
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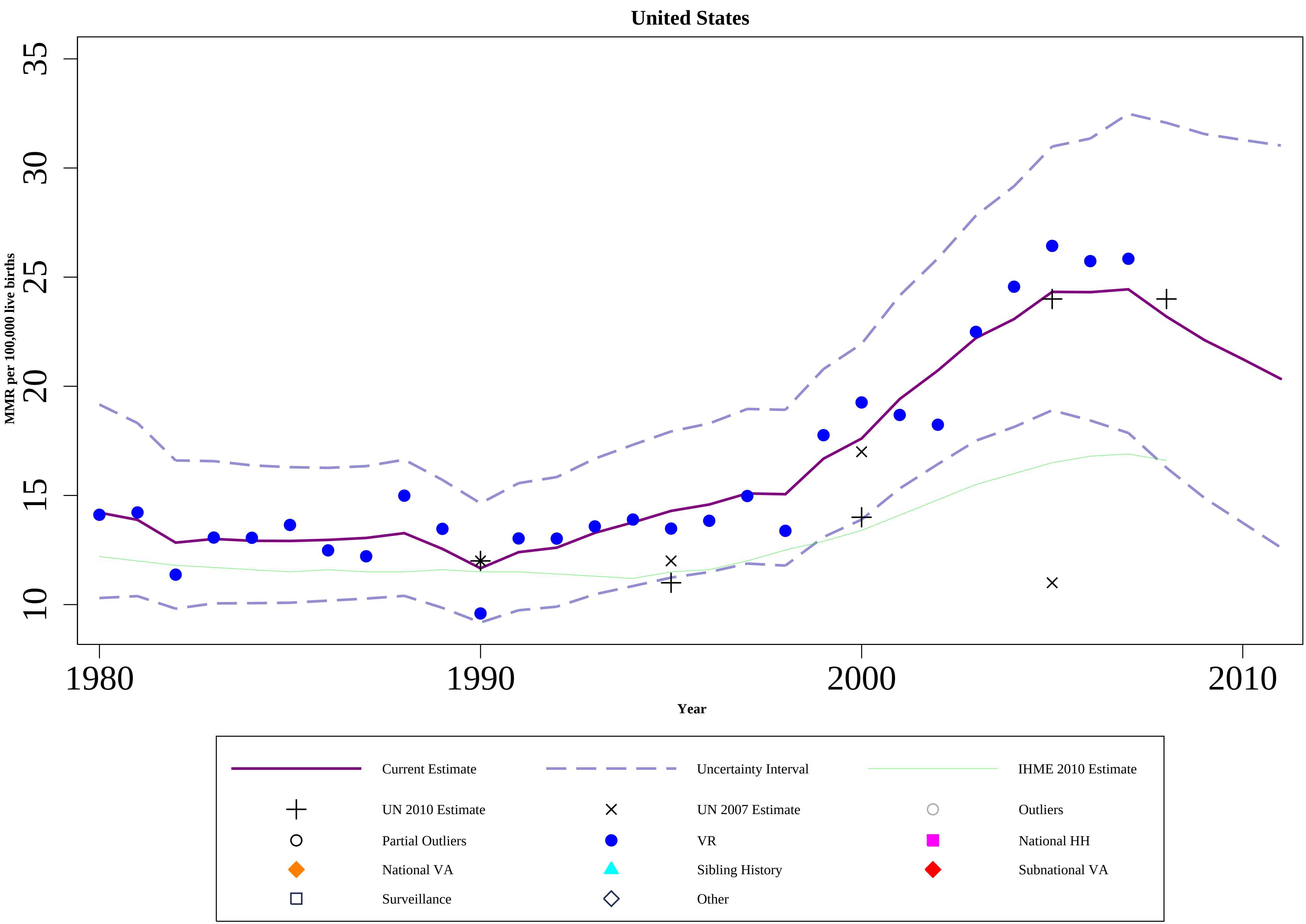
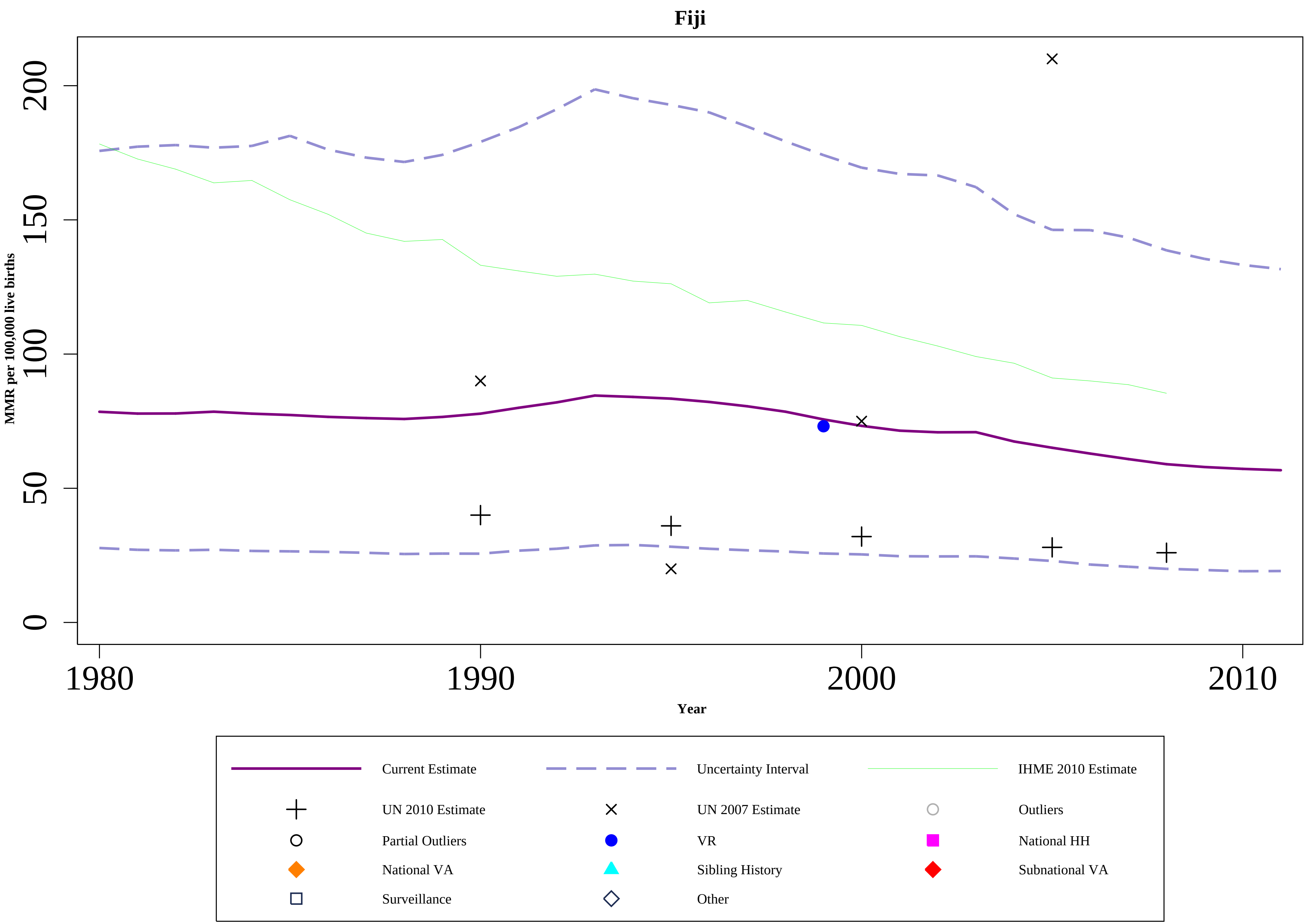
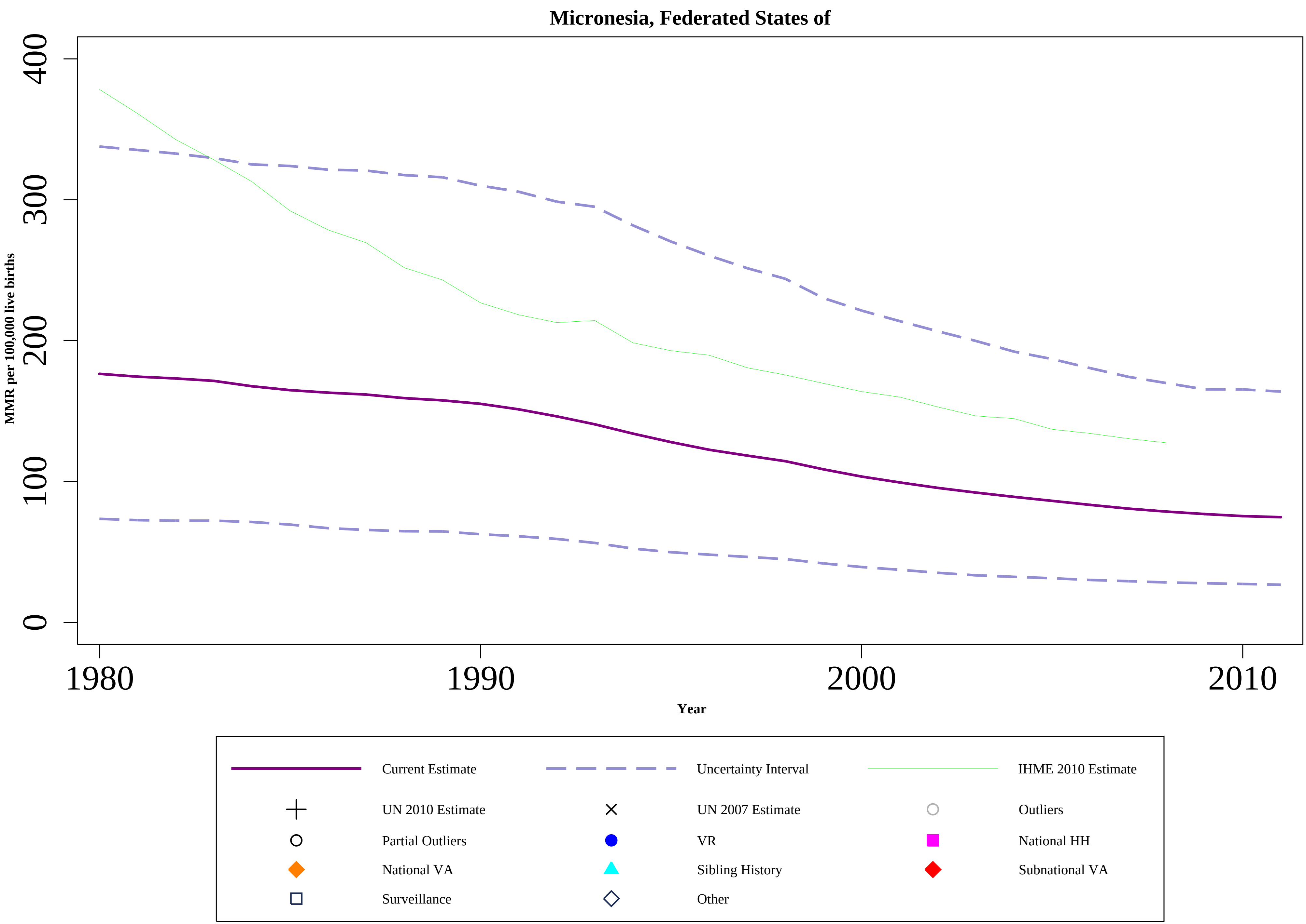


United States
MMR per 100,000 live births
10
15
20
25
30
35
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Fiji
MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Micronesia, Federated States of
MMR per 100,000 live births
0
100
200
300
400
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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National HH
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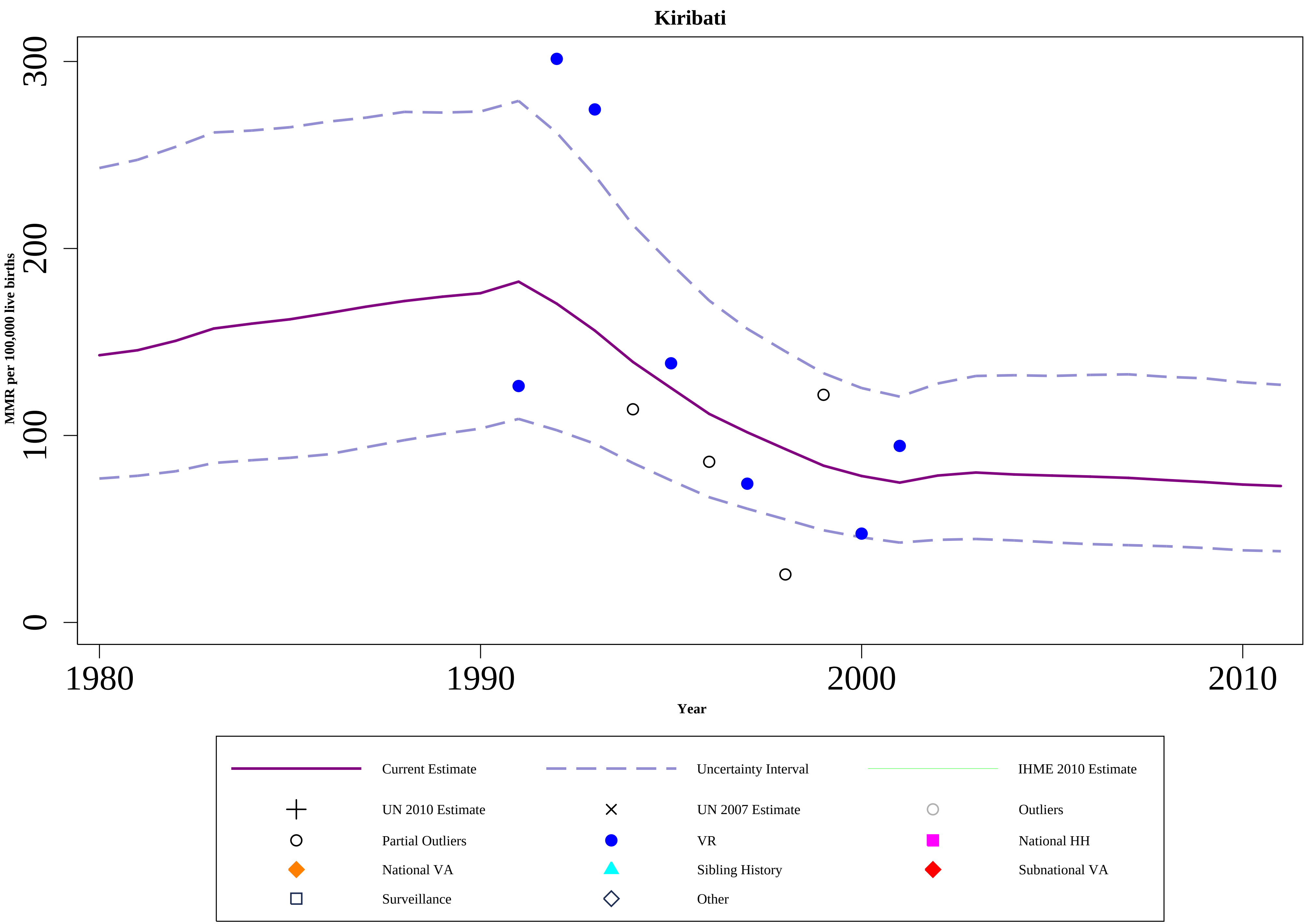
Sibling History
Subnational VA
Surveillance
Other



Kiribati
MMR per 100,000 live births
0
100
200
300
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Subnational VA
Surveillance
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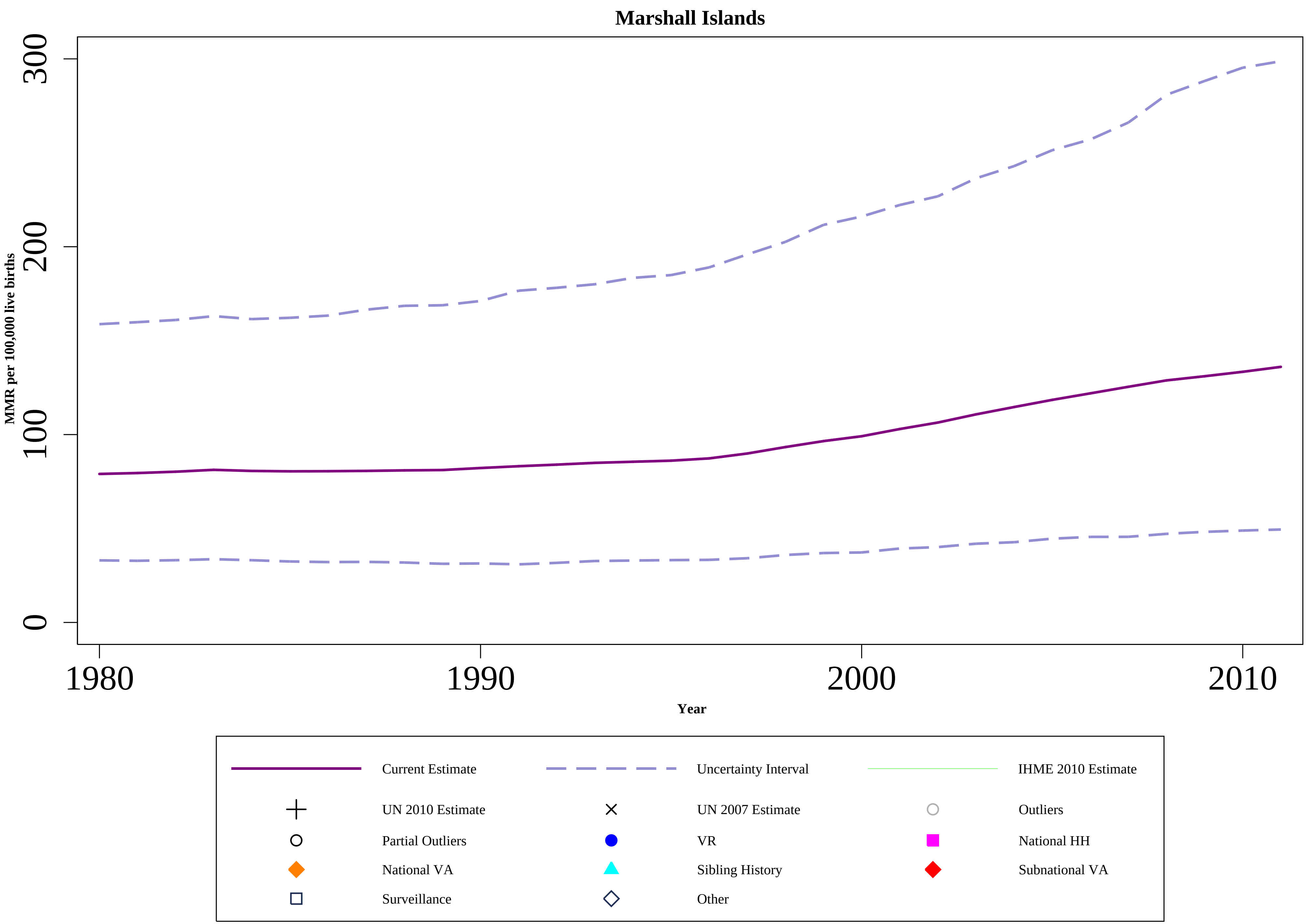

Marshall Islands
MMR per 100,000 live births
0
100
200
300
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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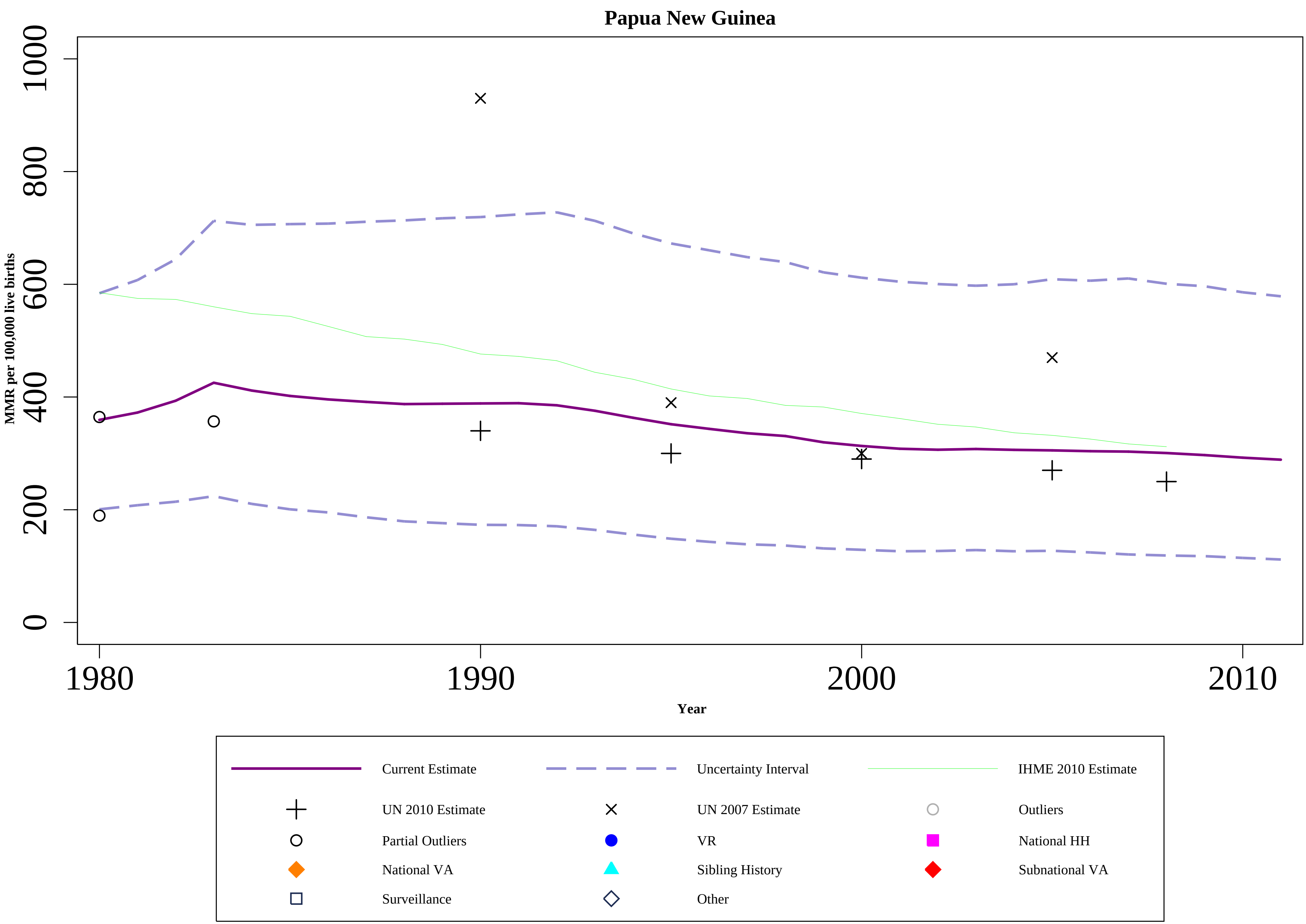

Papua New Guinea
MMR per 100,000 live births
0
200
400
600
800
1000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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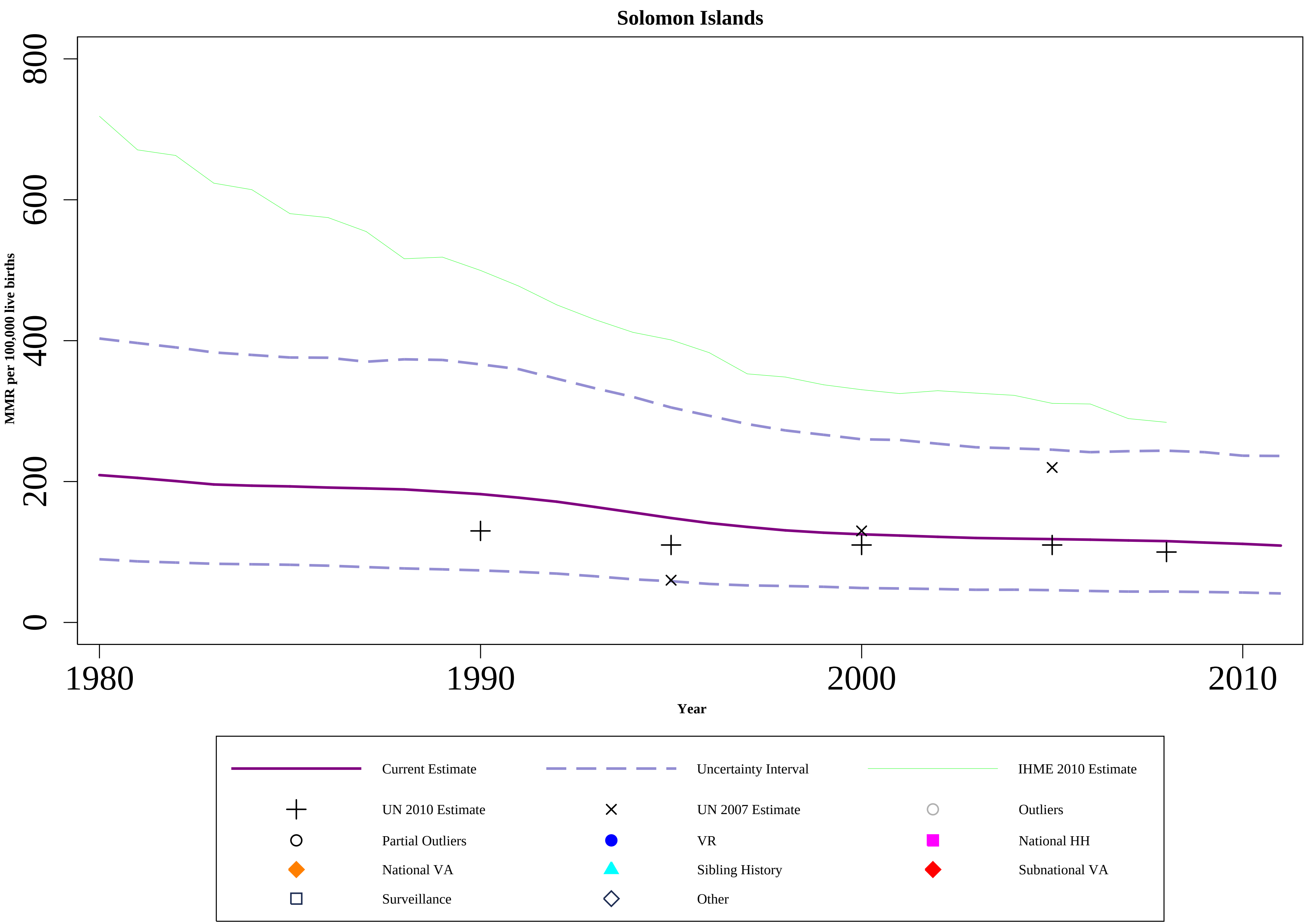
Subnational VA
Surveillance
Other


Solomon Islands
MMR per 100,000 live births
0
200
400
600
800
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Surveillance
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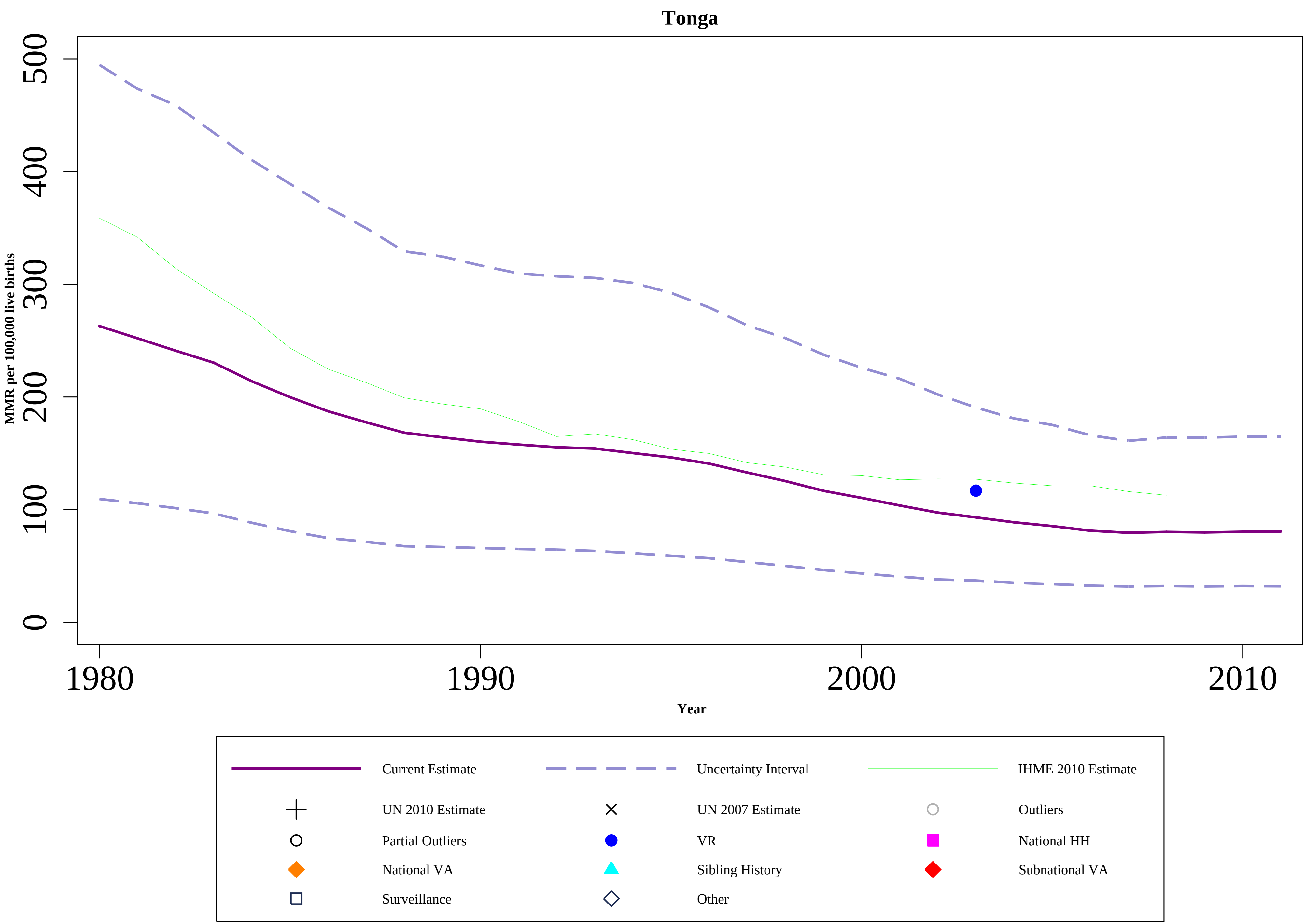

Tonga
MMR per 100,000 live births
0
100
200
300
400
500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Subnational VA
Surveillance
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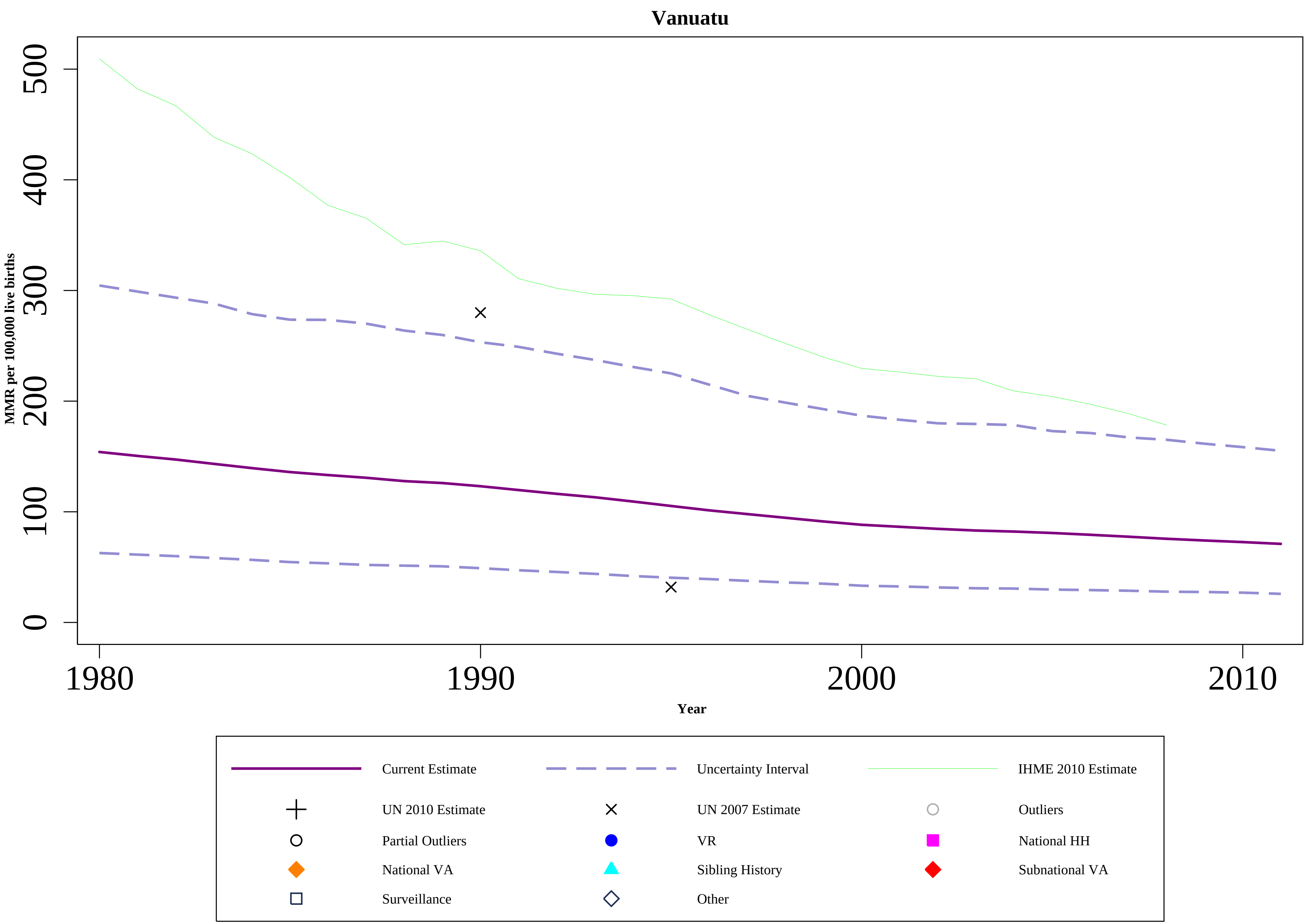
Vanuatu
MMR per 100,000 live births
0
100
200
300
400
500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Subnational VA
Surveillance
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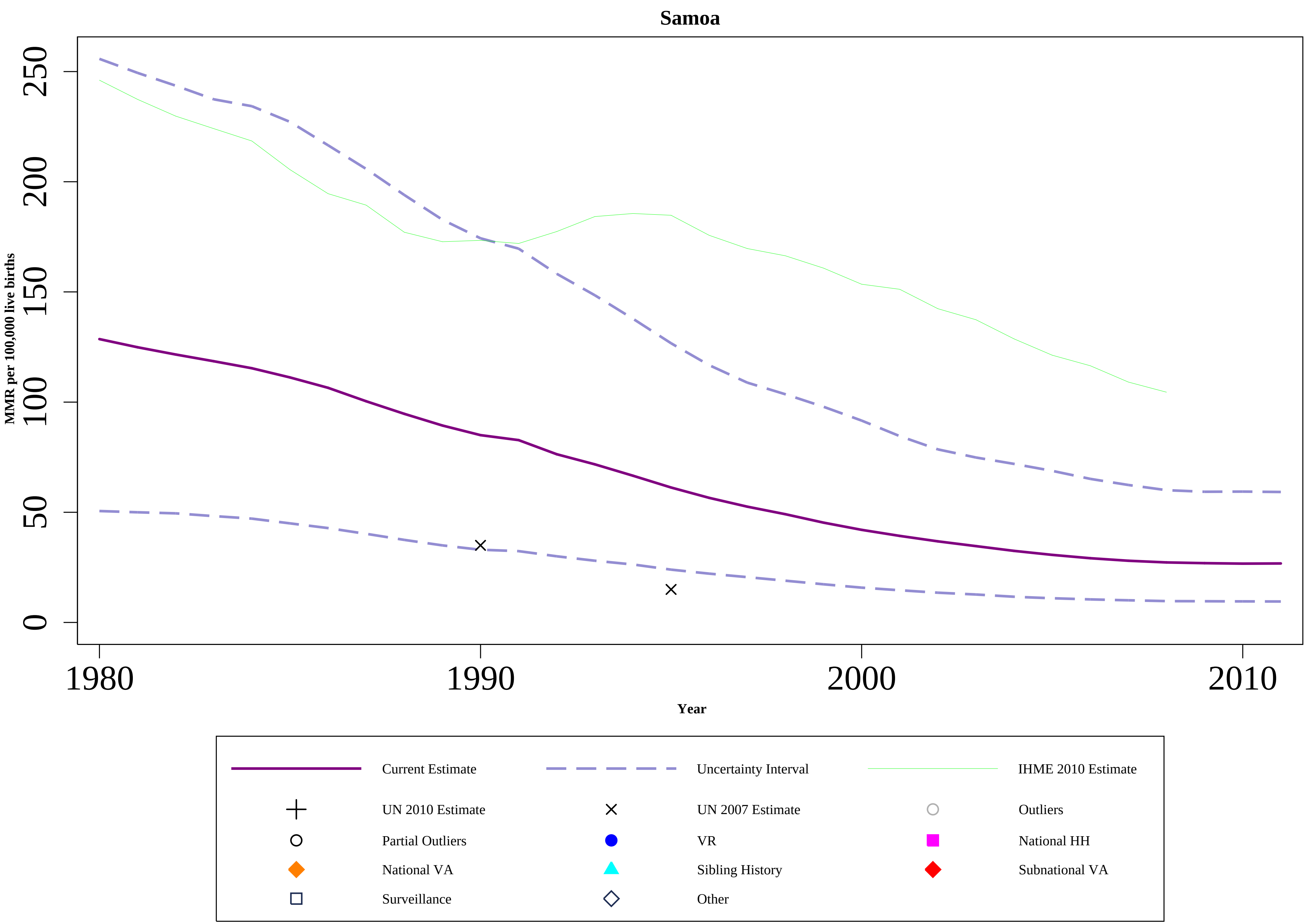
Samoa
MMR per 100,000 live births
0
50
100
150
200
250
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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Subnational VA
Surveillance
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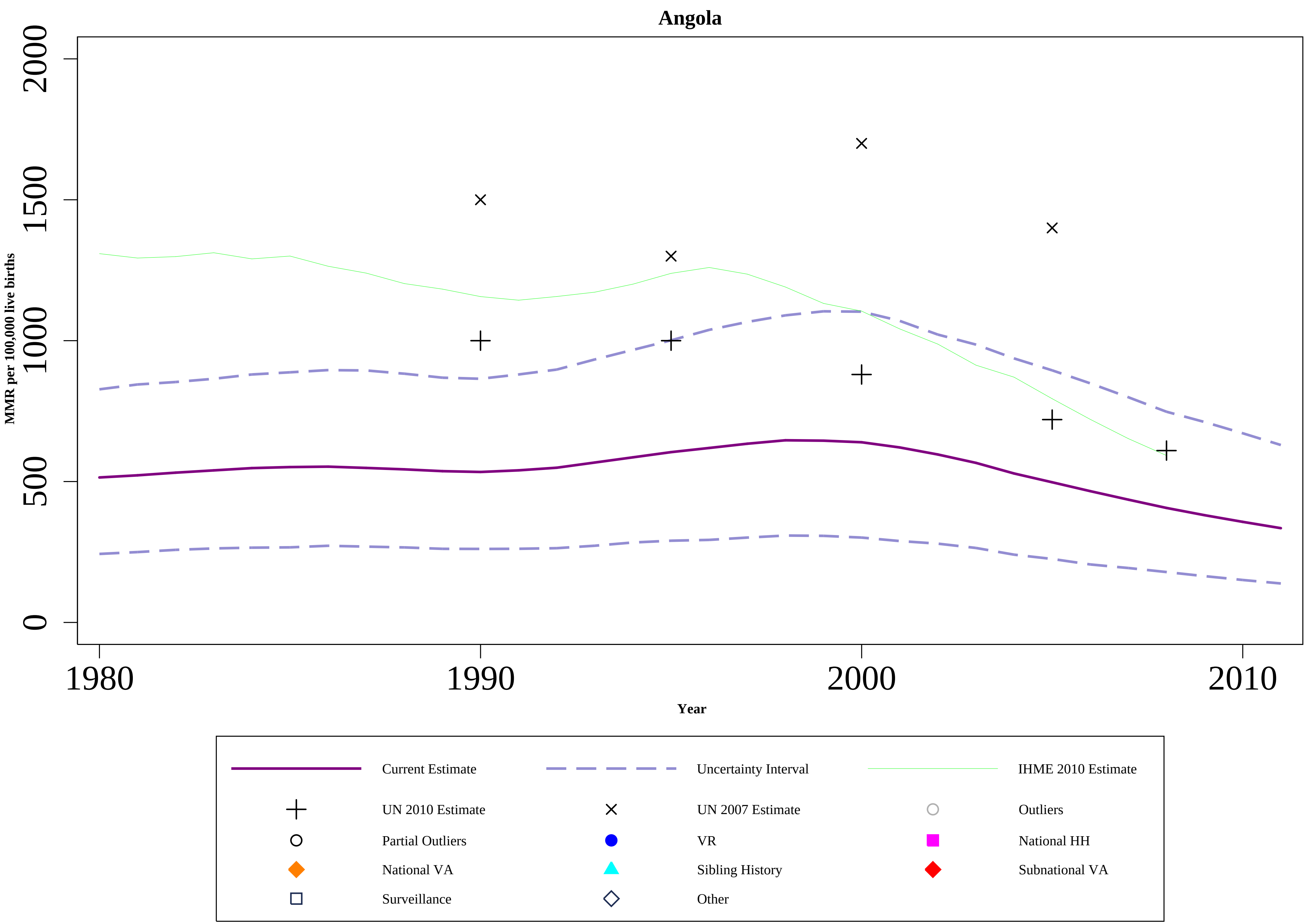
Angola
MMR per 100,000 live births
0
500
1000
1500
2000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Surveillance
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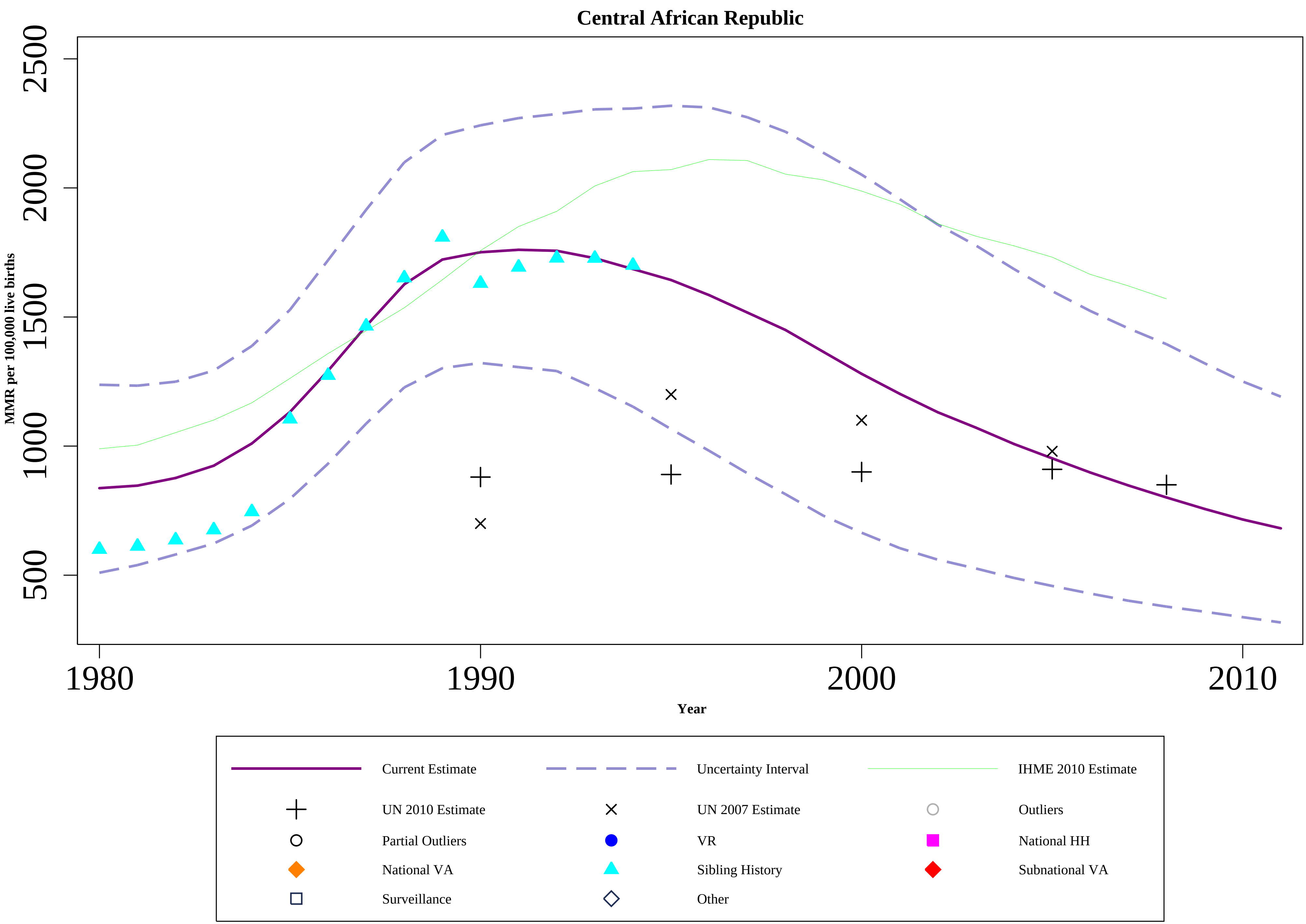
Central African Republic
MMR per 100,000 live births
500
1000
1500
2000
2500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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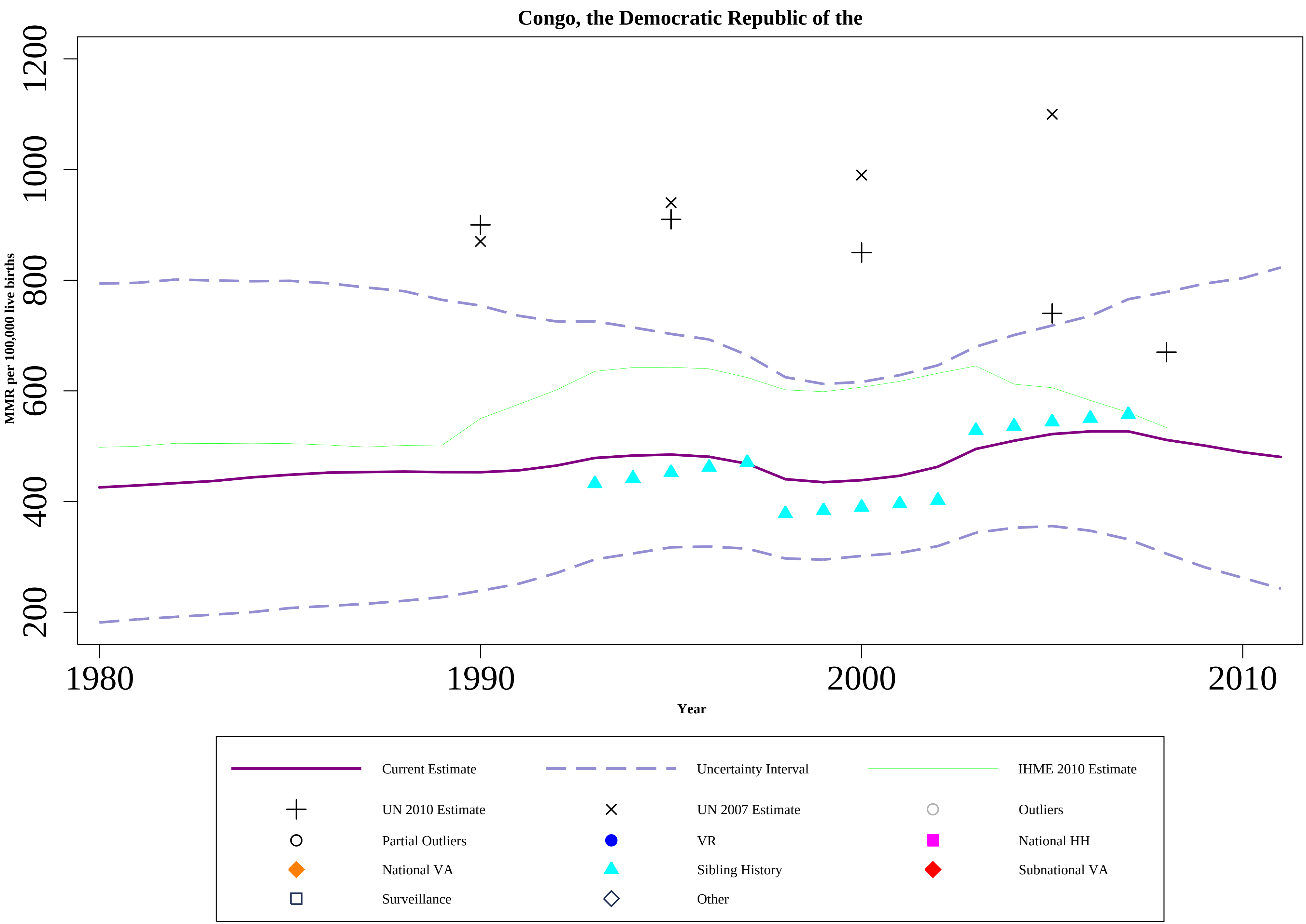
Sibling History
Subnational VA
Surveillance
Other



Congo, the Democratic Republic of the
MMR per 100,000 live births
200
400
600
800
1000
1200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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VR
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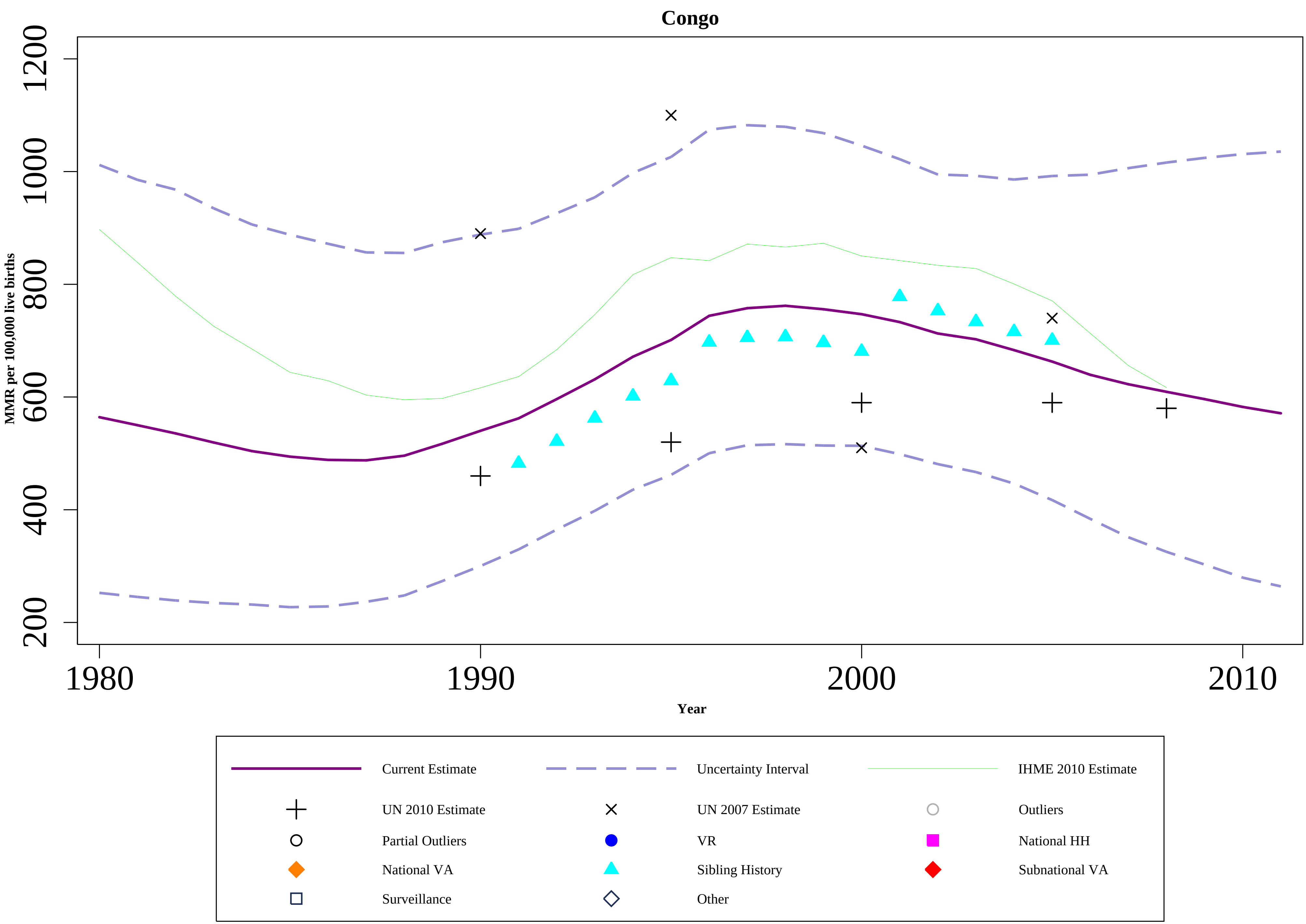
Subnational VA
Surveillance
Other



Congo
MMR per 100,000 live births
200
400
600
800
1000
1200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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Outliers
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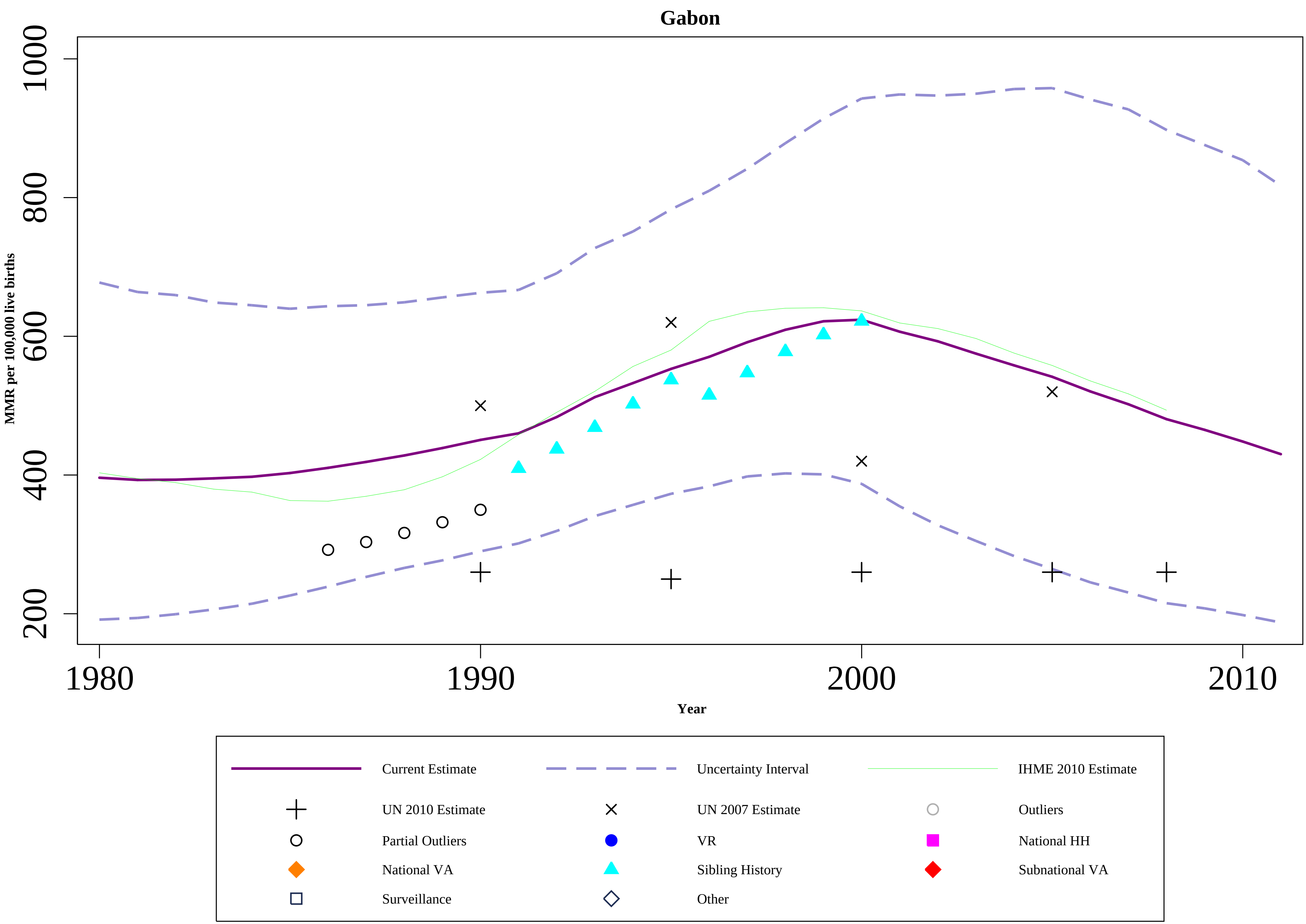
Gabon
MMR per 100,000 live births
200
400
600
800
1000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
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Outliers
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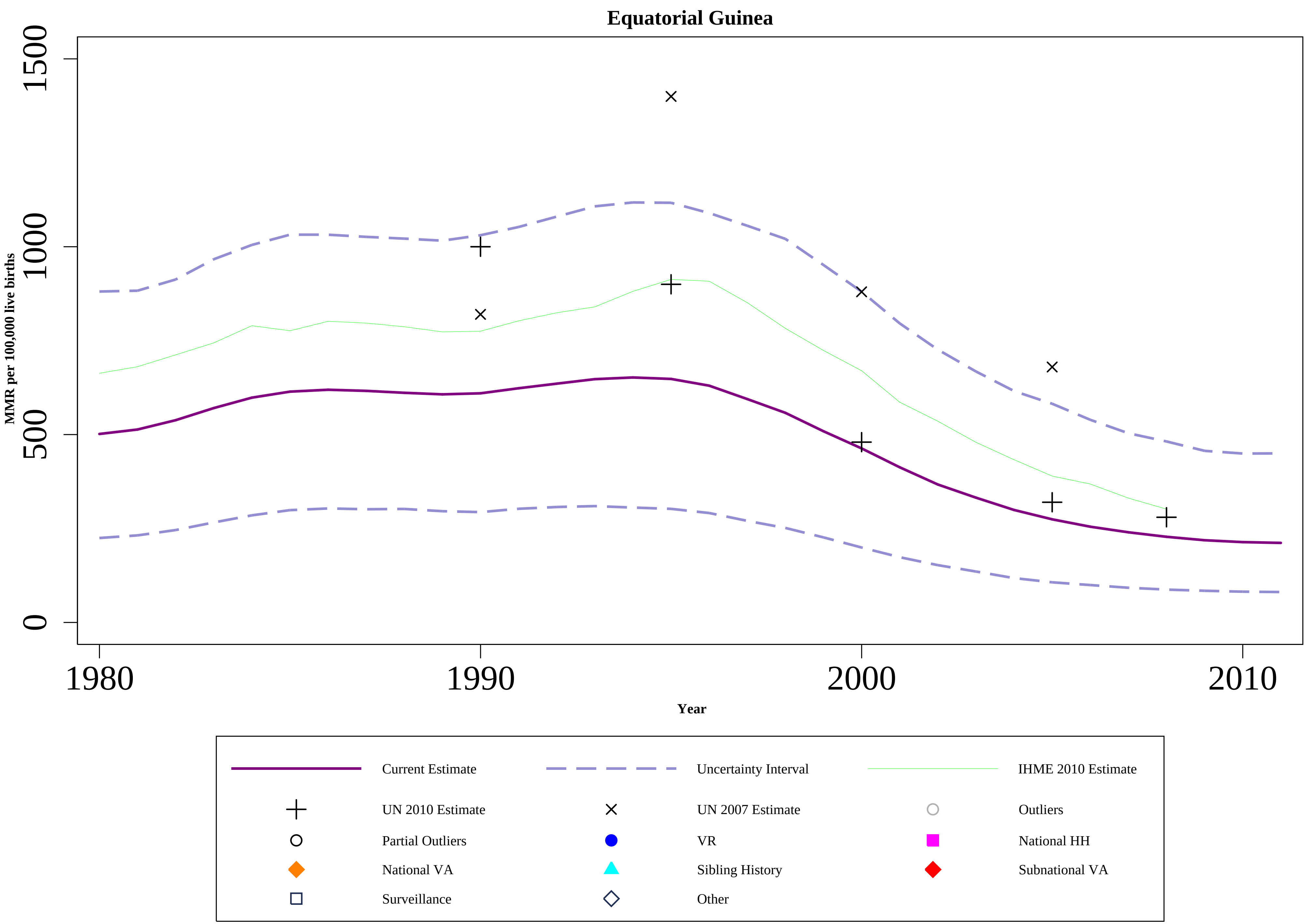

Equatorial Guinea
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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VR
National HH
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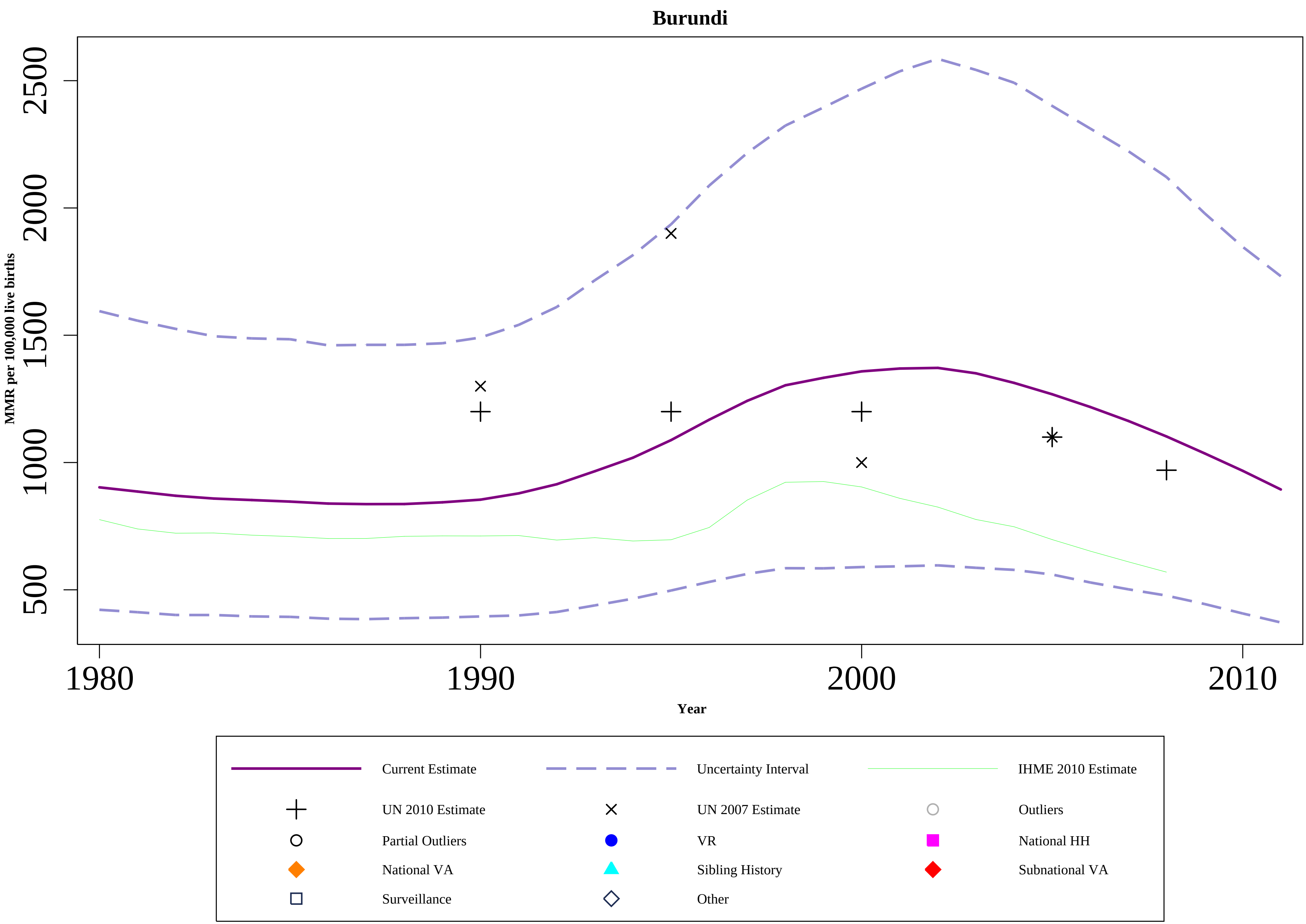
Sibling History
Subnational VA
Surveillance
Other


Burundi
MMR per 100,000 live births
2500
2000
1500
1000
500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Subnational VA
Surveillance
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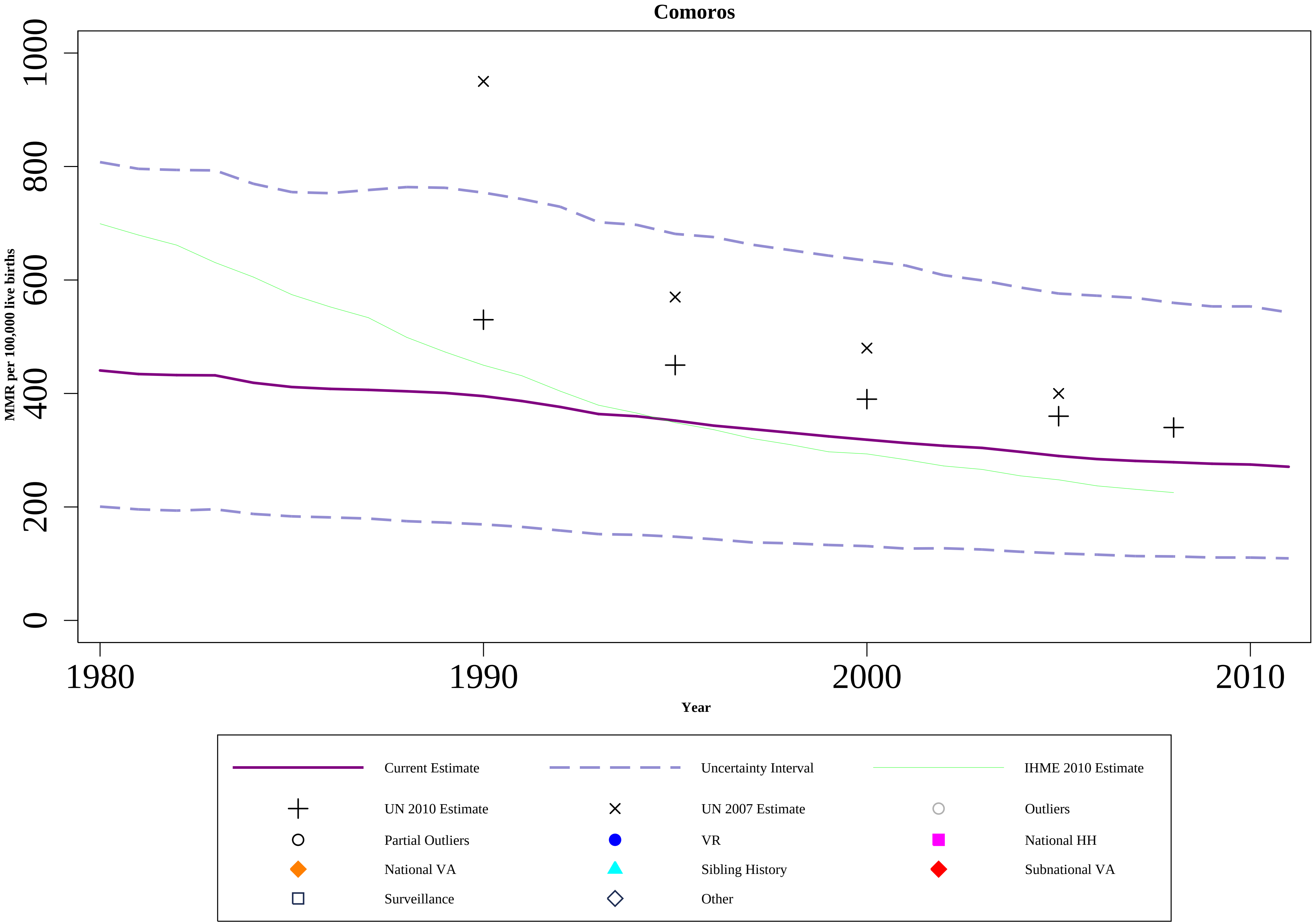
Comoros
MMR per 100,000 live births
0
200
400
600
800
1000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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UN 2007 Estimate
Outliers
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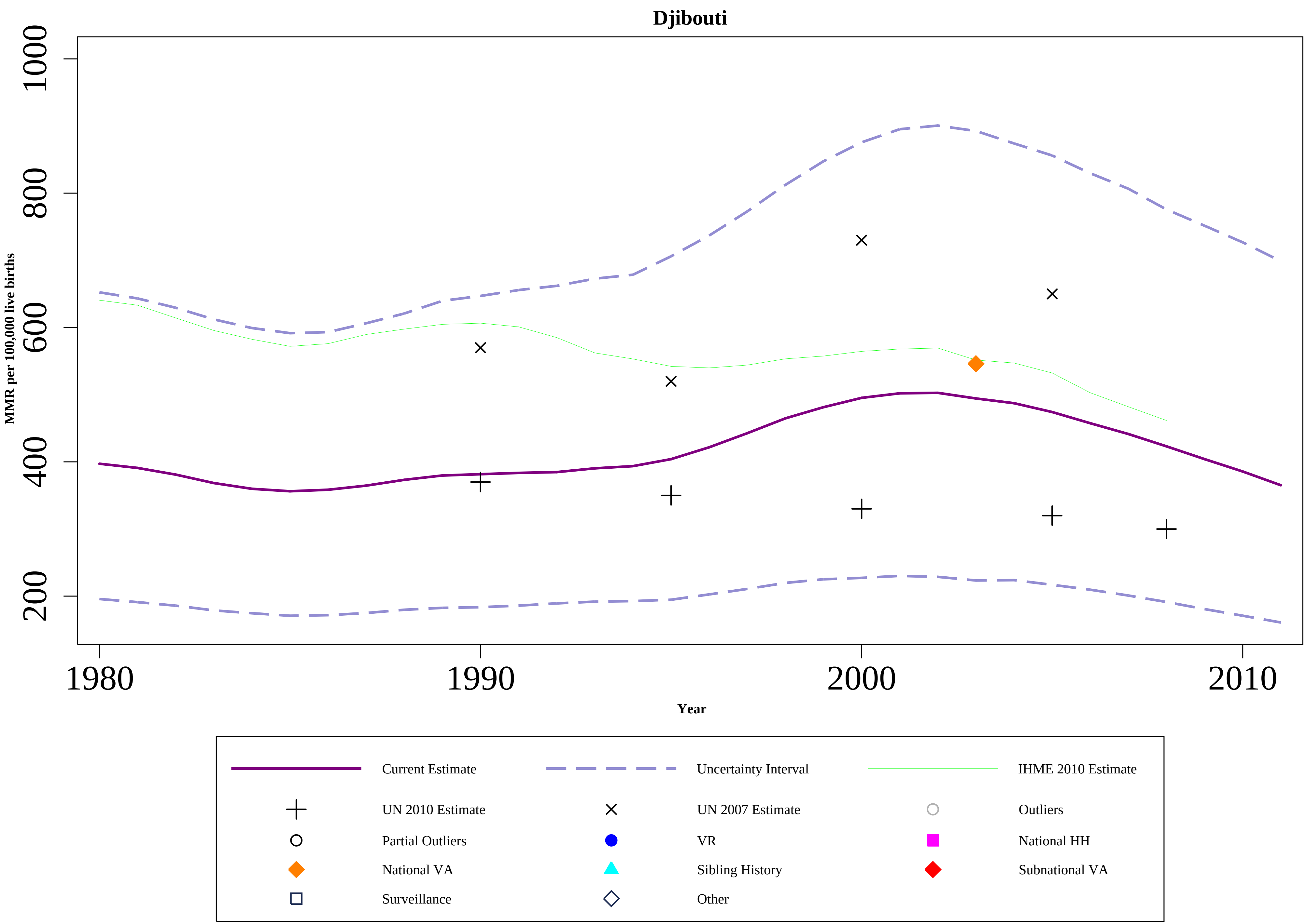
Other


Djibouti
MMR per 100,000 live births
200
400
600
800
1000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
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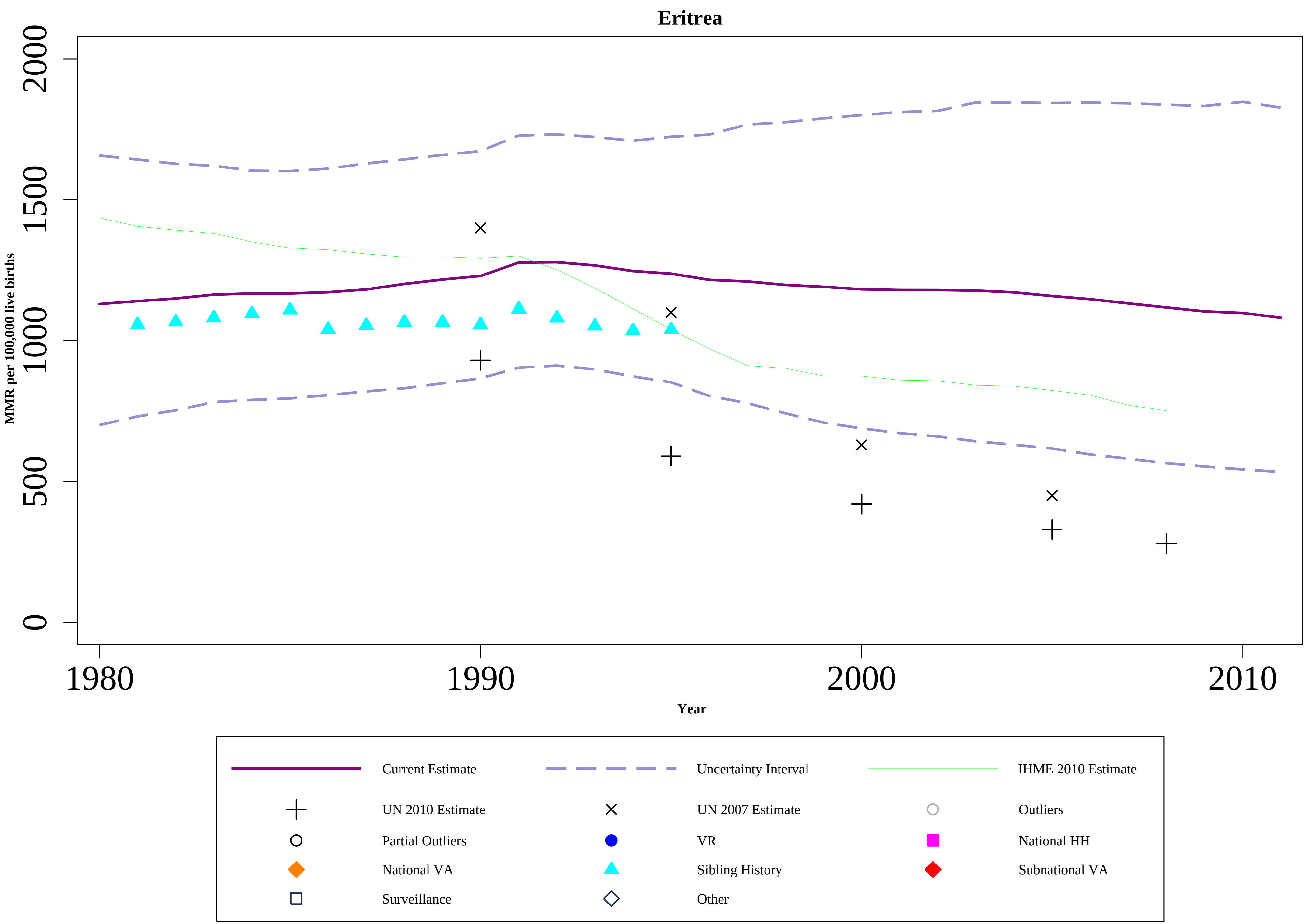
Surveillance
Other



Eritrea
MMR per 100,000 live births
0
500
1000
1500
2000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
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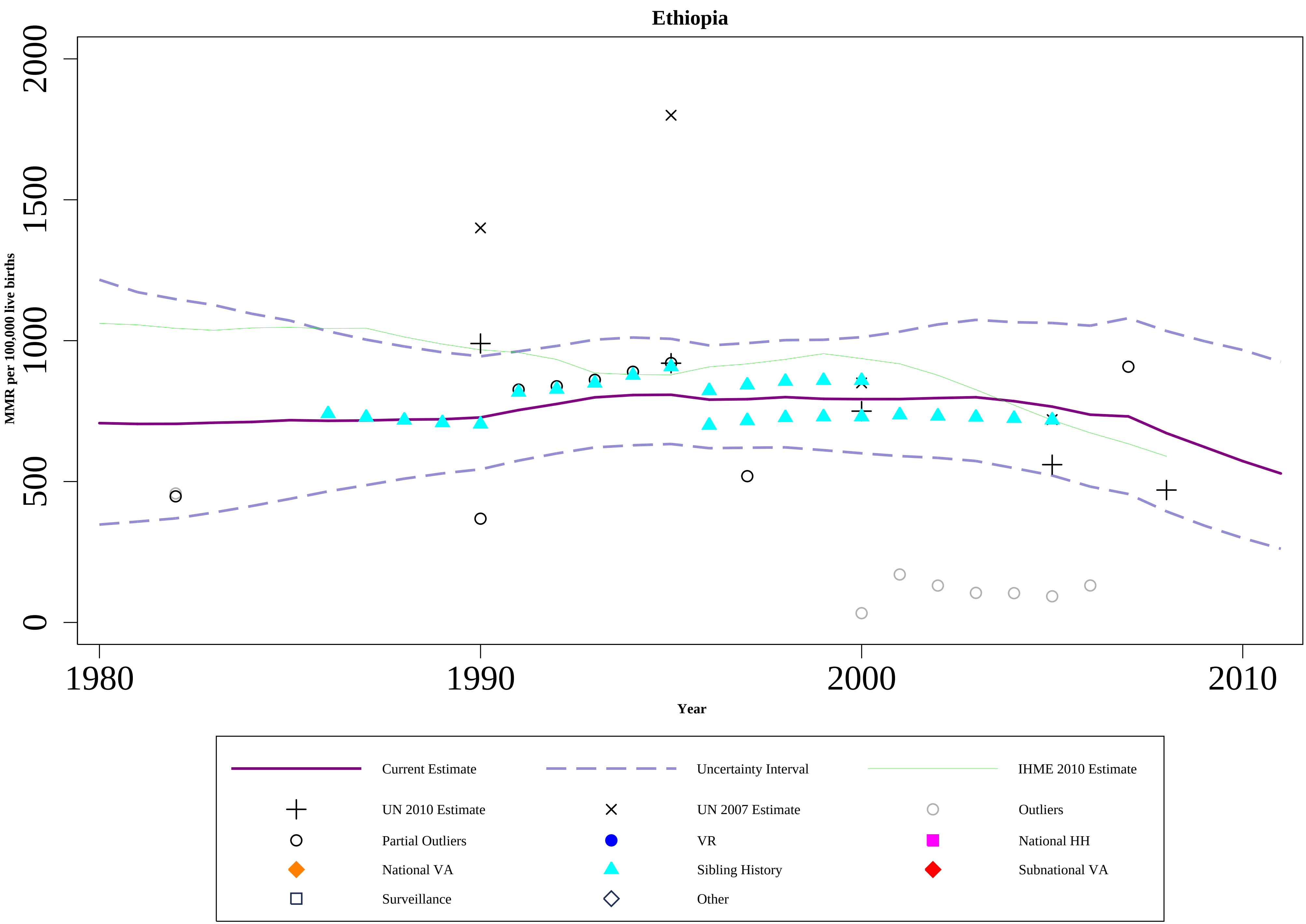
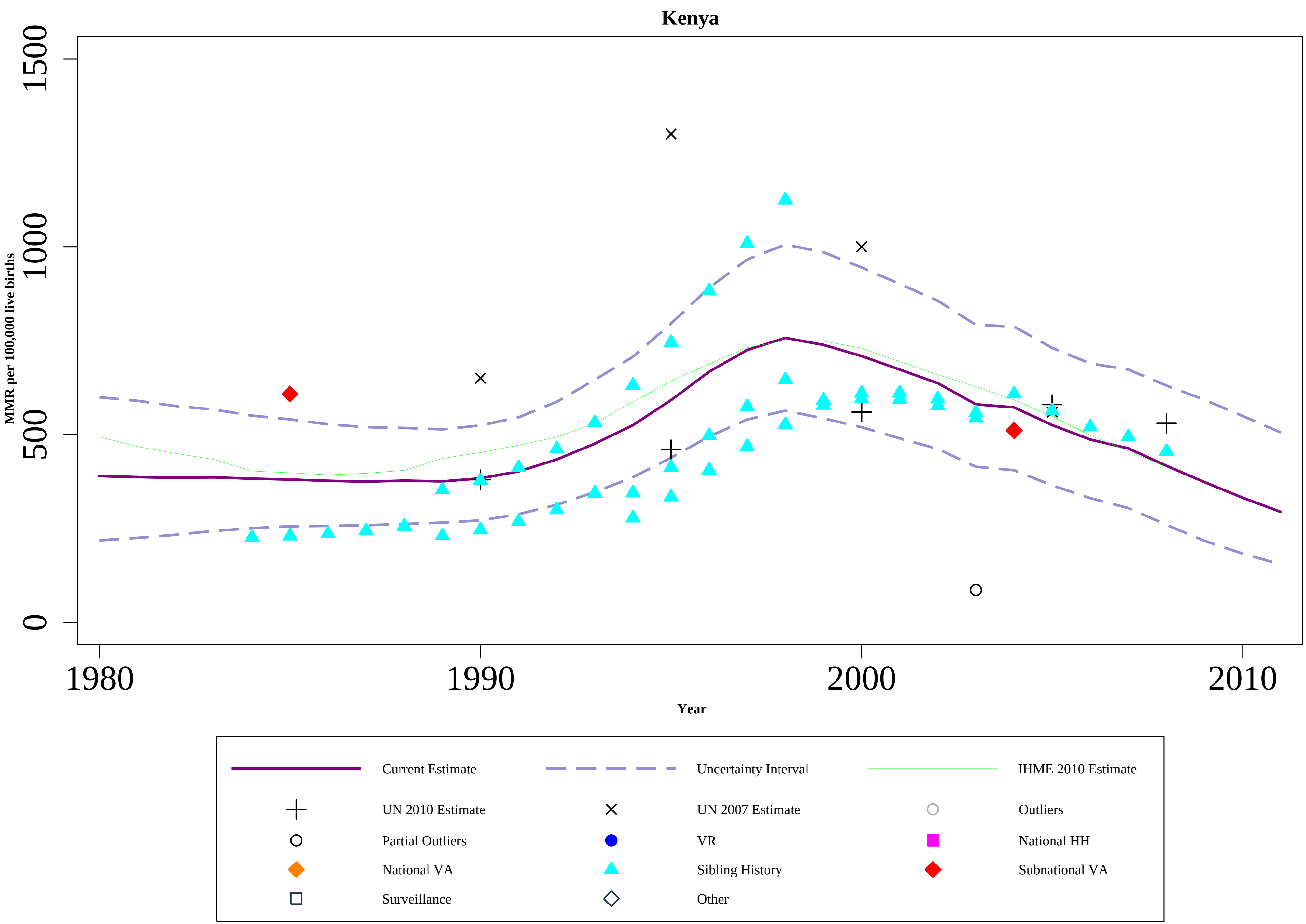
Subnational VA
Surveillance
Other


Ethiopia
MMR per 100,000 live births
0
500
1000
1500
2000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Kenya
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other


Madagascar
MMR per 100,000 live births
1000
800
600
400
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
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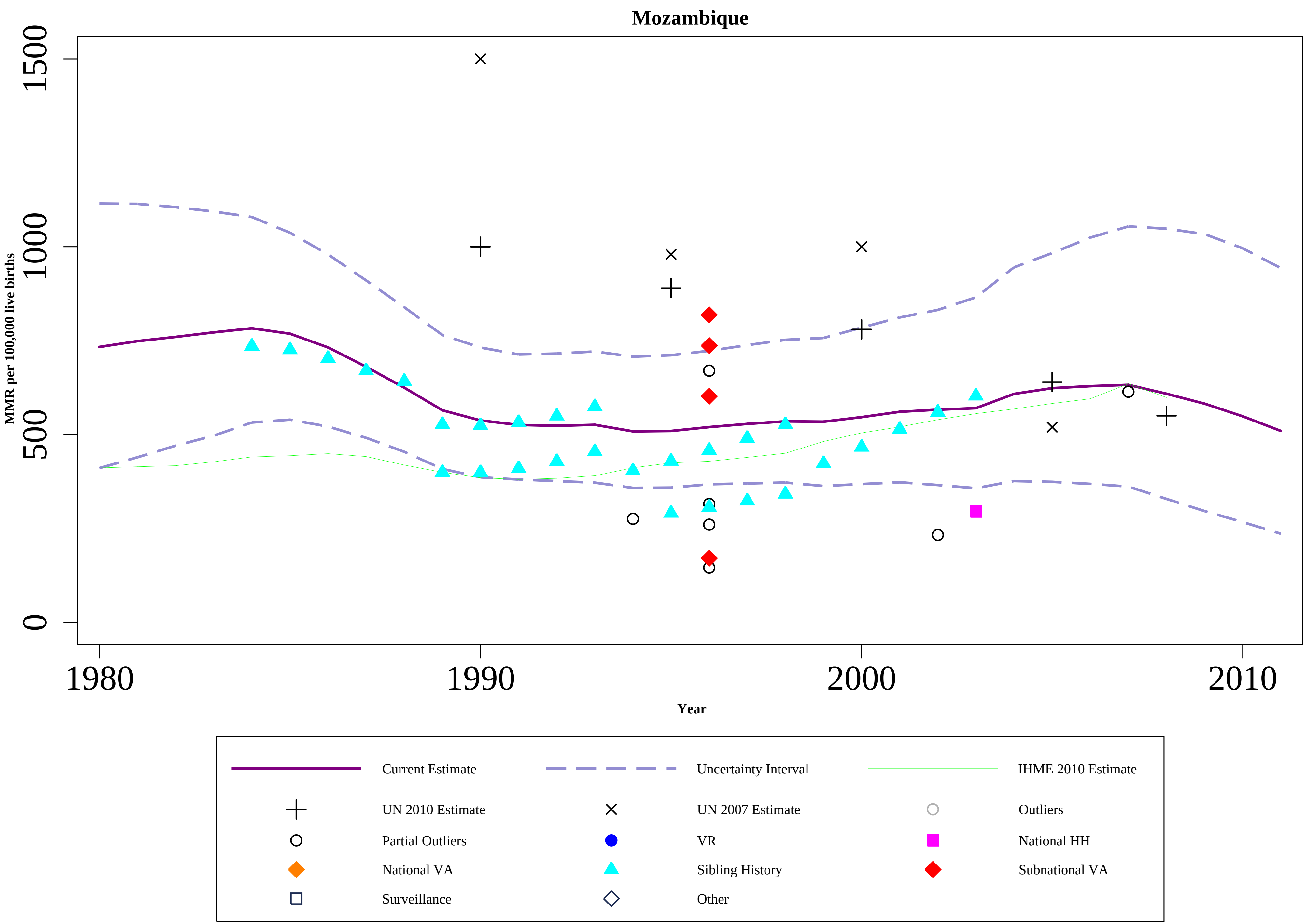
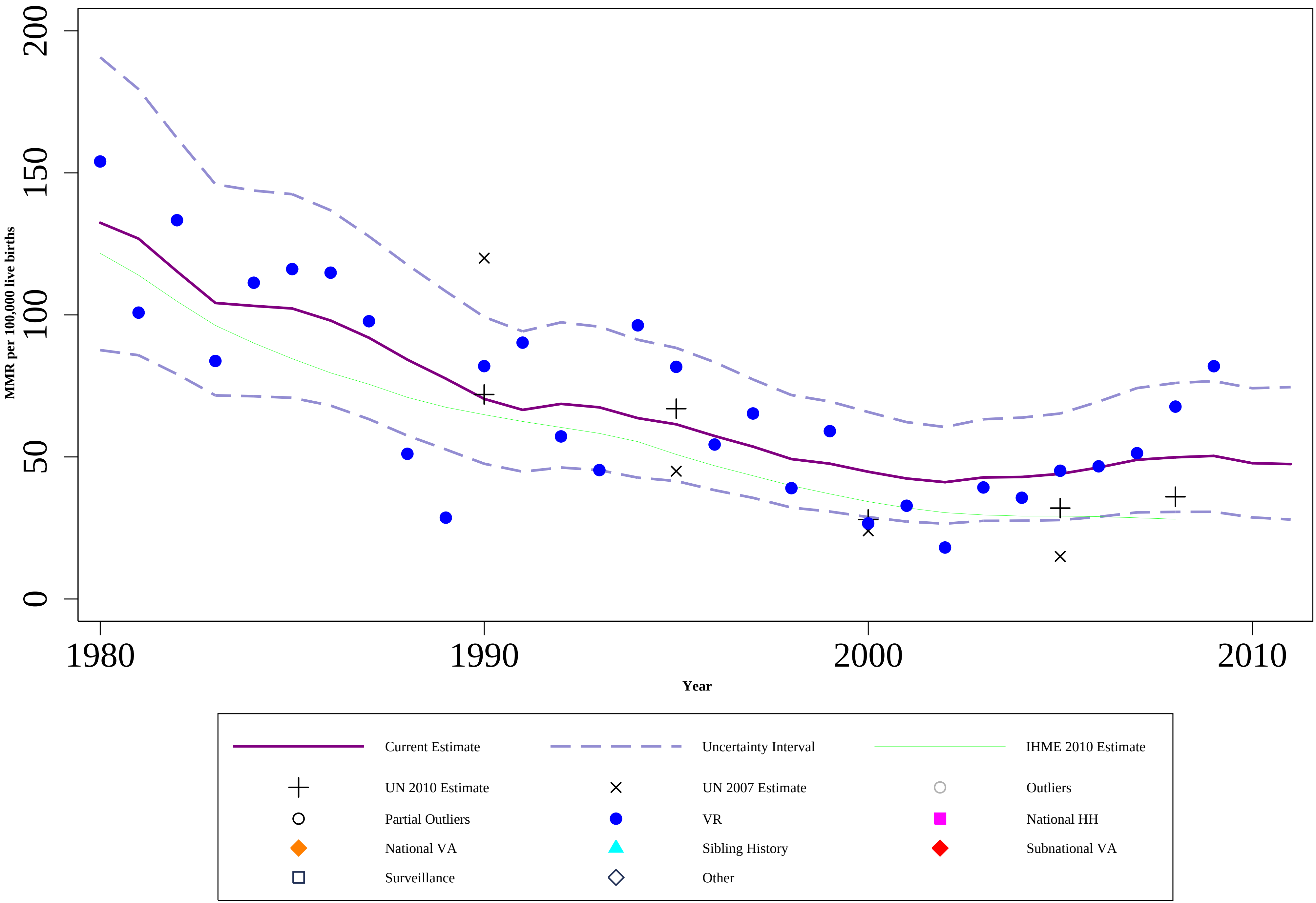
Sibling History
Subnational VA
Surveillance
Other


Mozambique
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
National HH
National VA
Sibling History
Subnational VA
Surveillance
Other

Mauritius



MMR per 100,000 live births
0
50
100
150
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
Partial Outliers
VR
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Subnational VA
Surveillance
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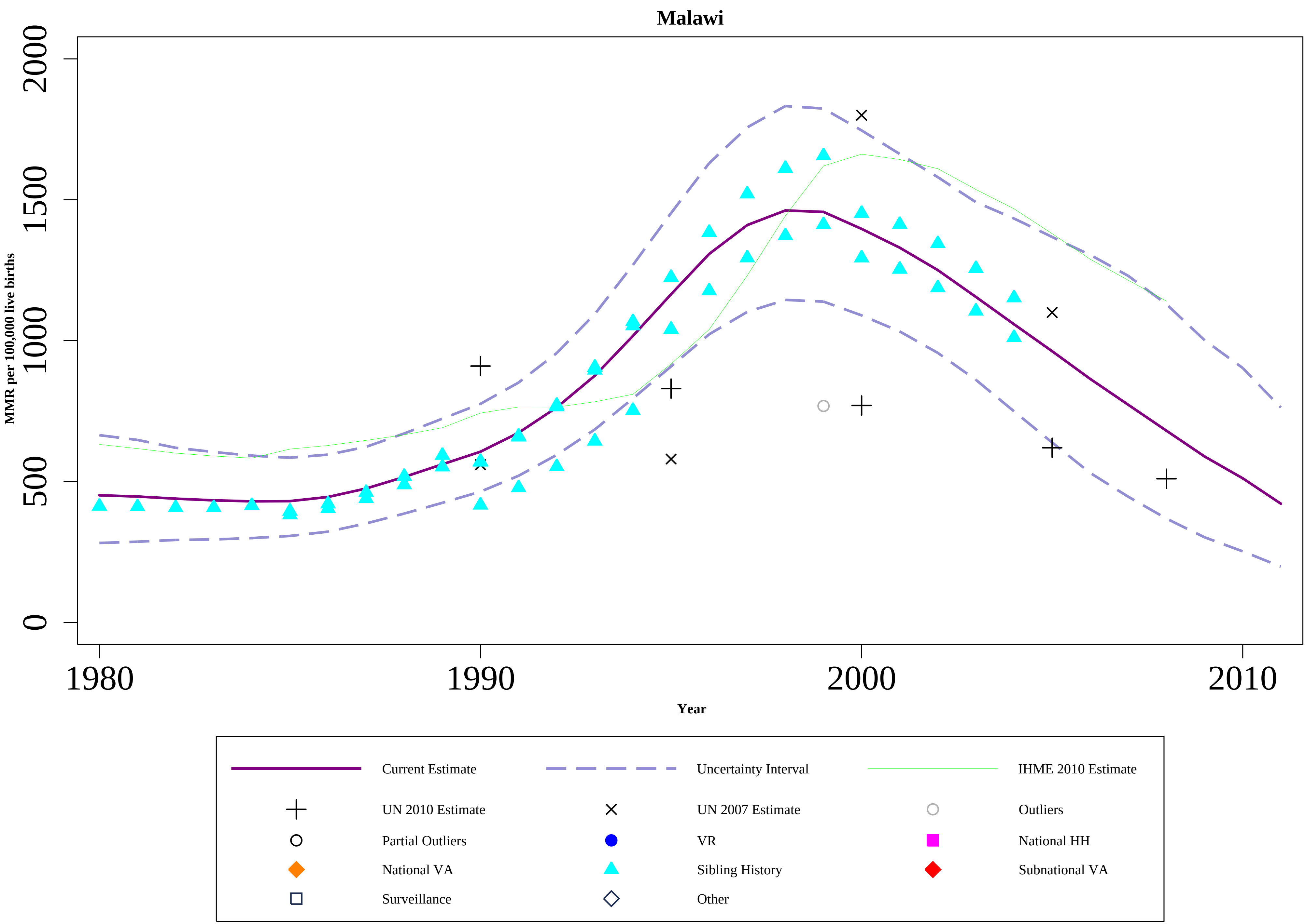
Malawi
MMR per 100,000 live births
0
500
1000
1500
2000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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UN 2007 Estimate
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Subnational VA
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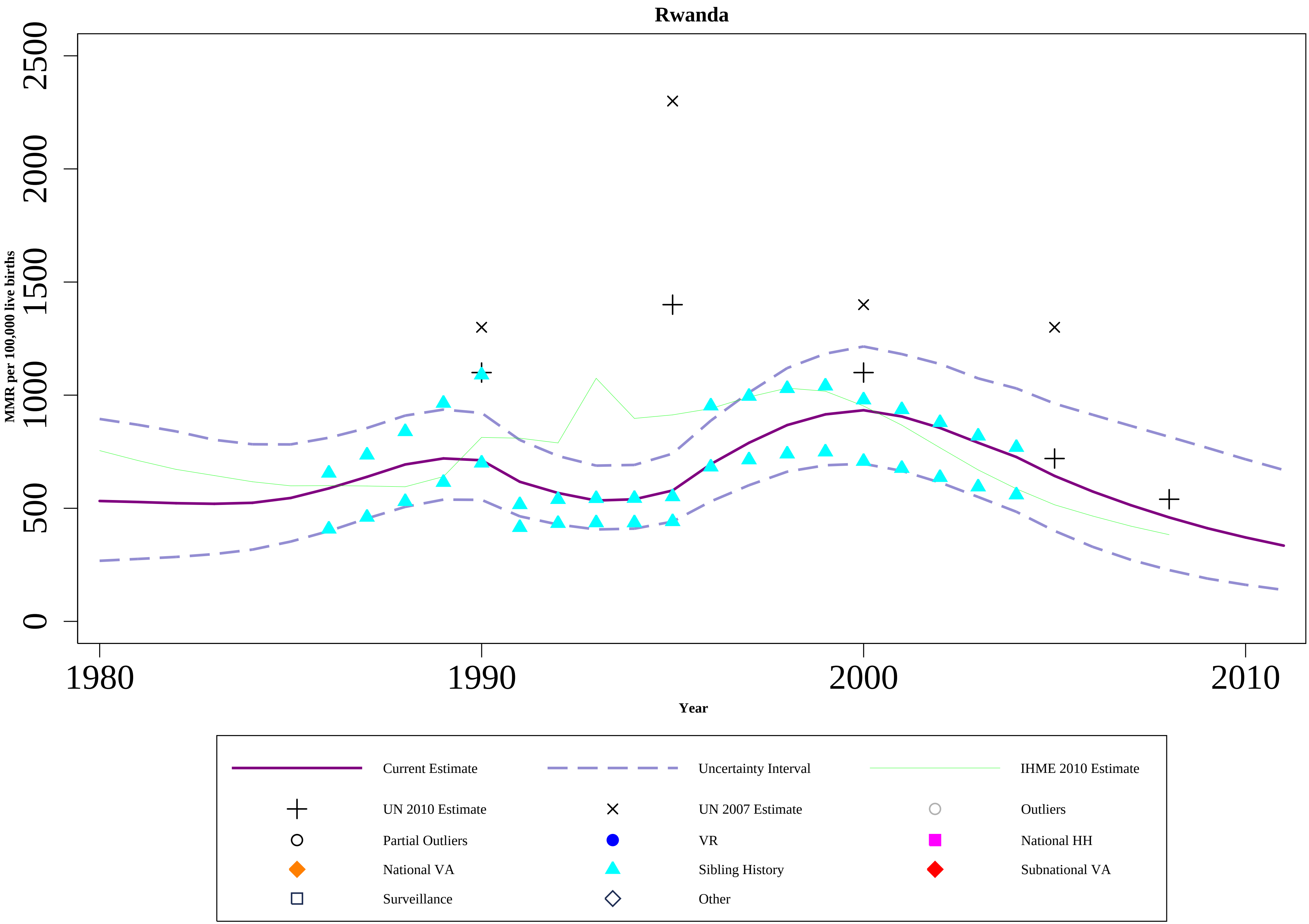
Other



Rwanda
MMR per 100,000 live births
0
500
1000
1500
2000
2500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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UN 2007 Estimate
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VR
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Surveillance
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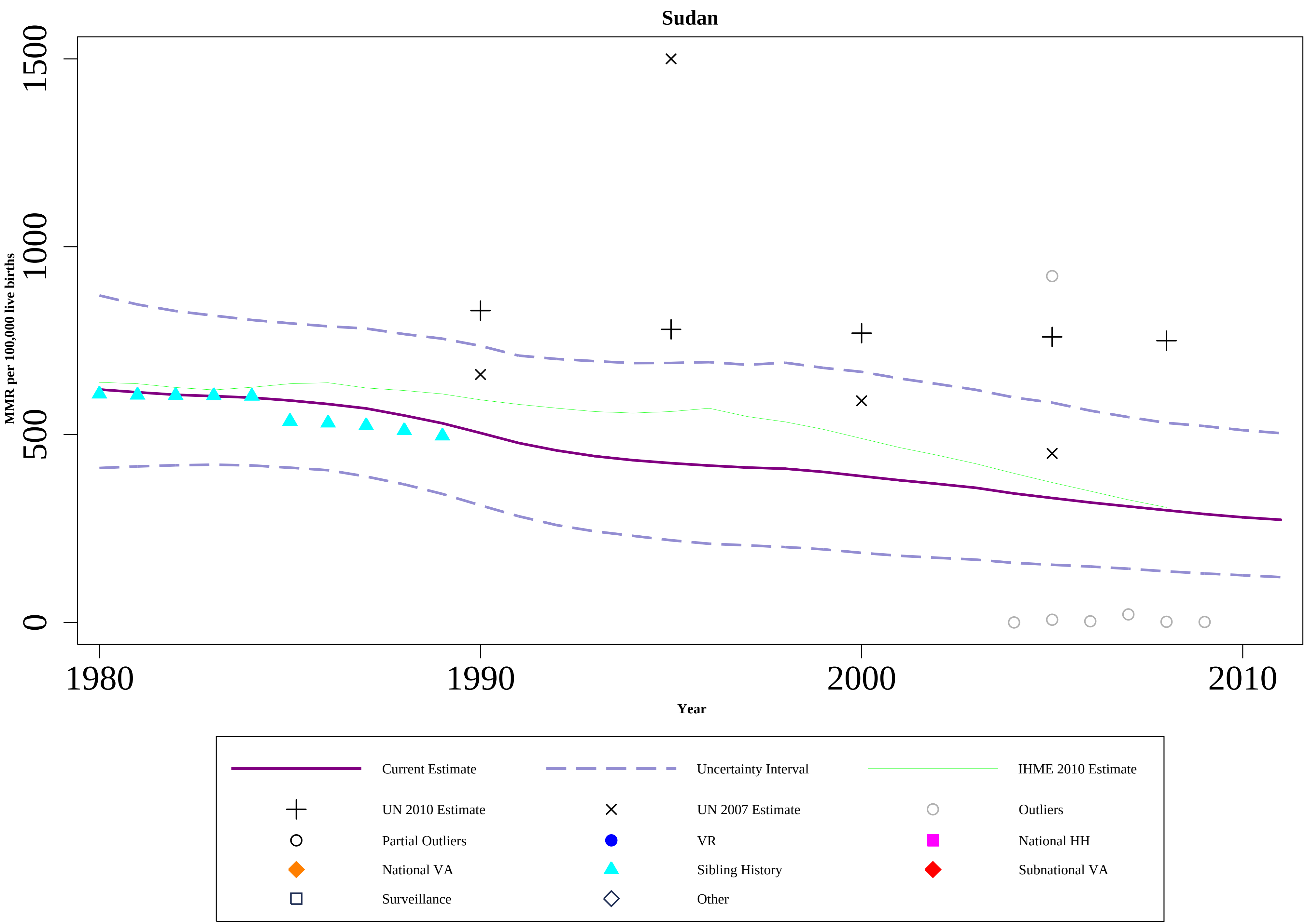

Sudan
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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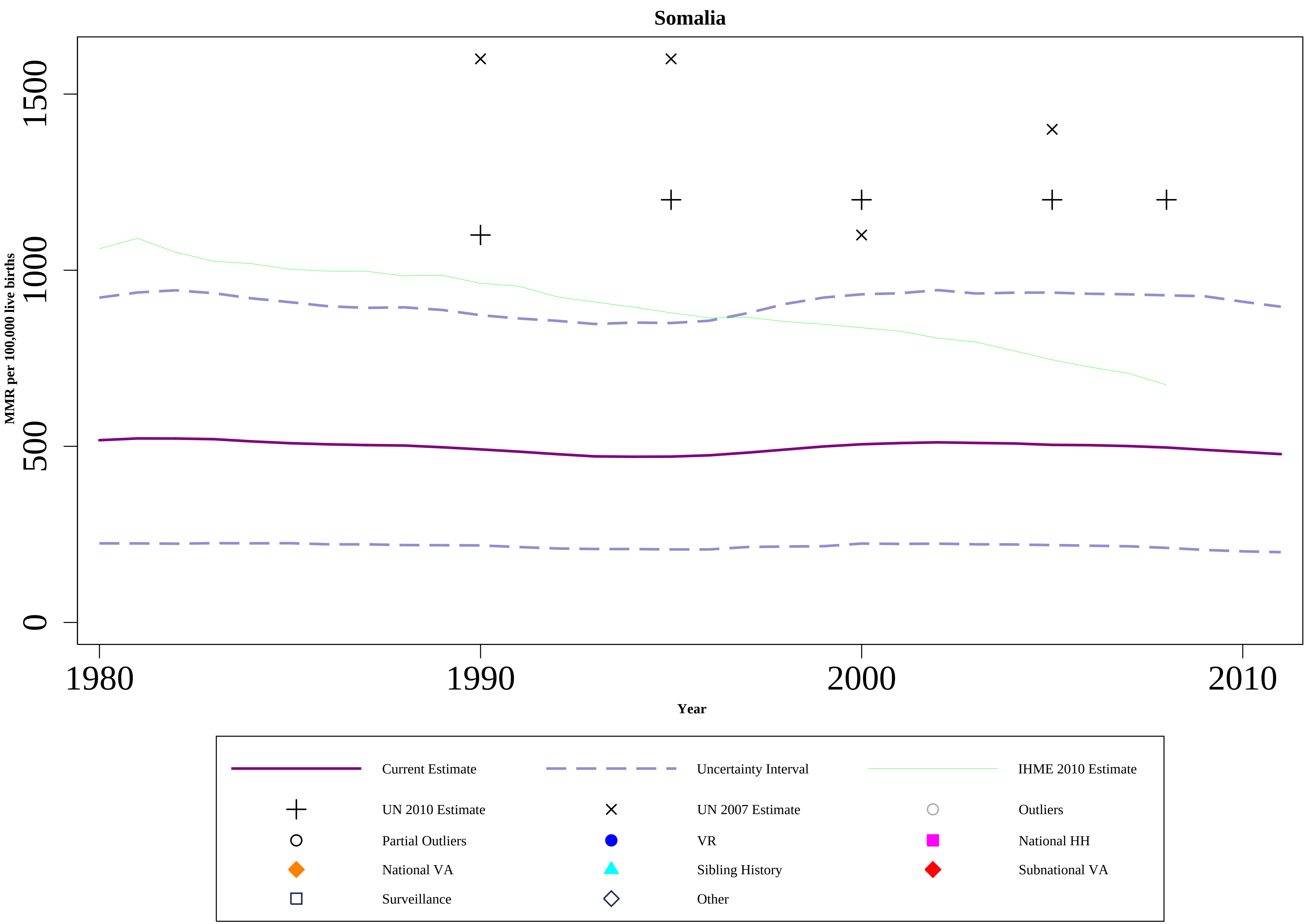

Somalia
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Surveillance
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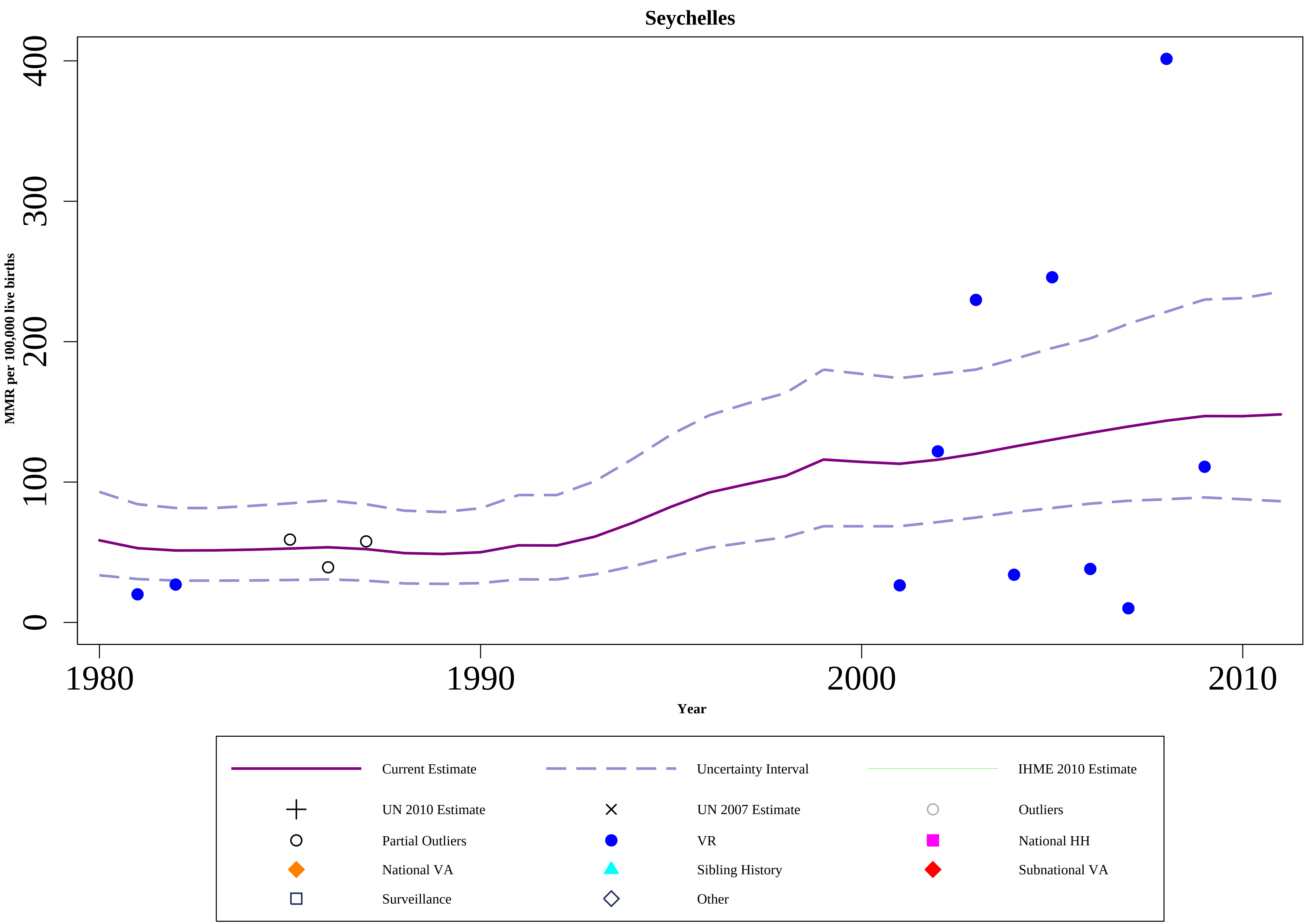

Seychelles
MMR per 100,000 live births
0
100
200
300
400
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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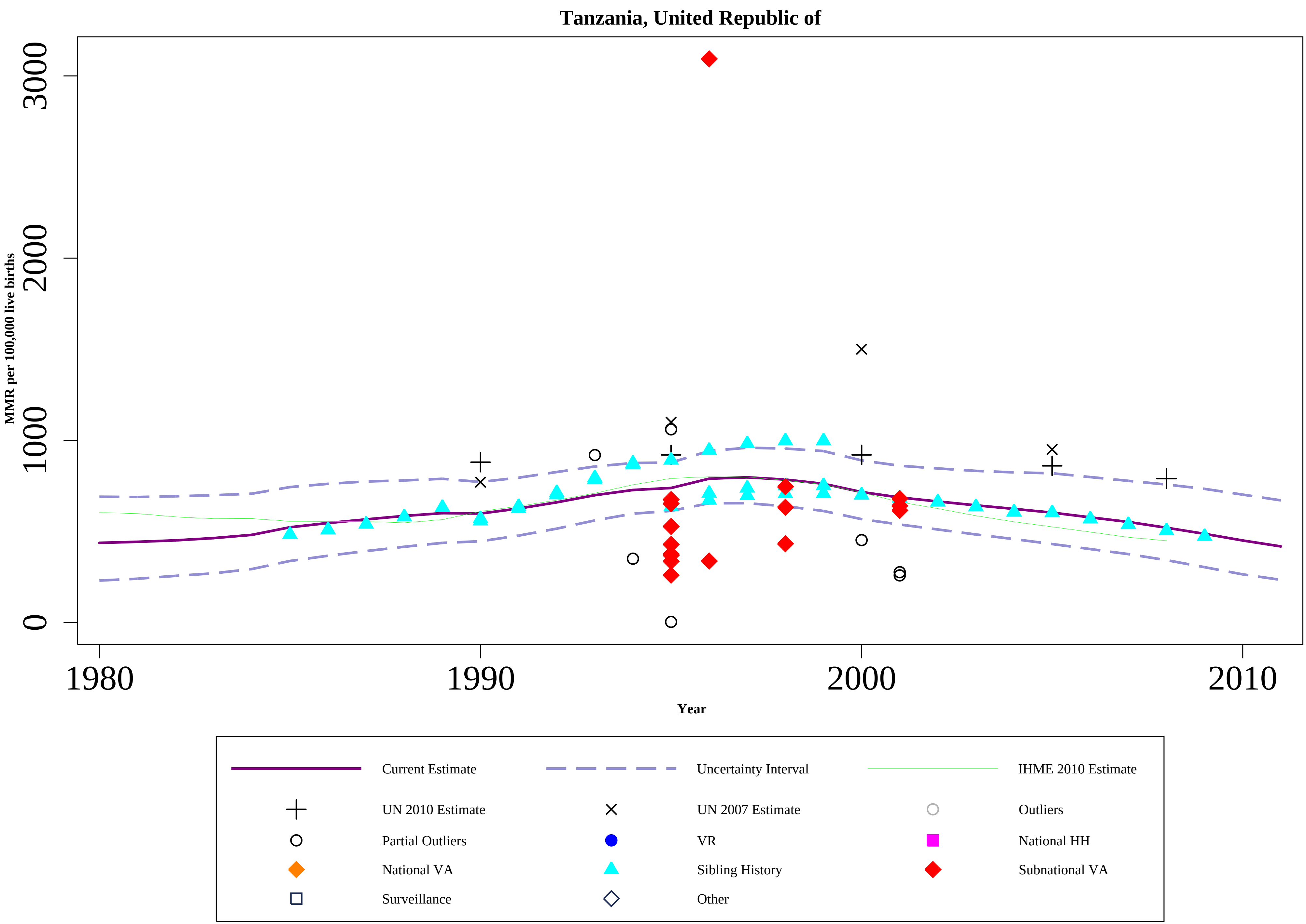

Tanzania, United Republic of
MMR per 100,000 live births
0
1000
2000
3000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Surveillance
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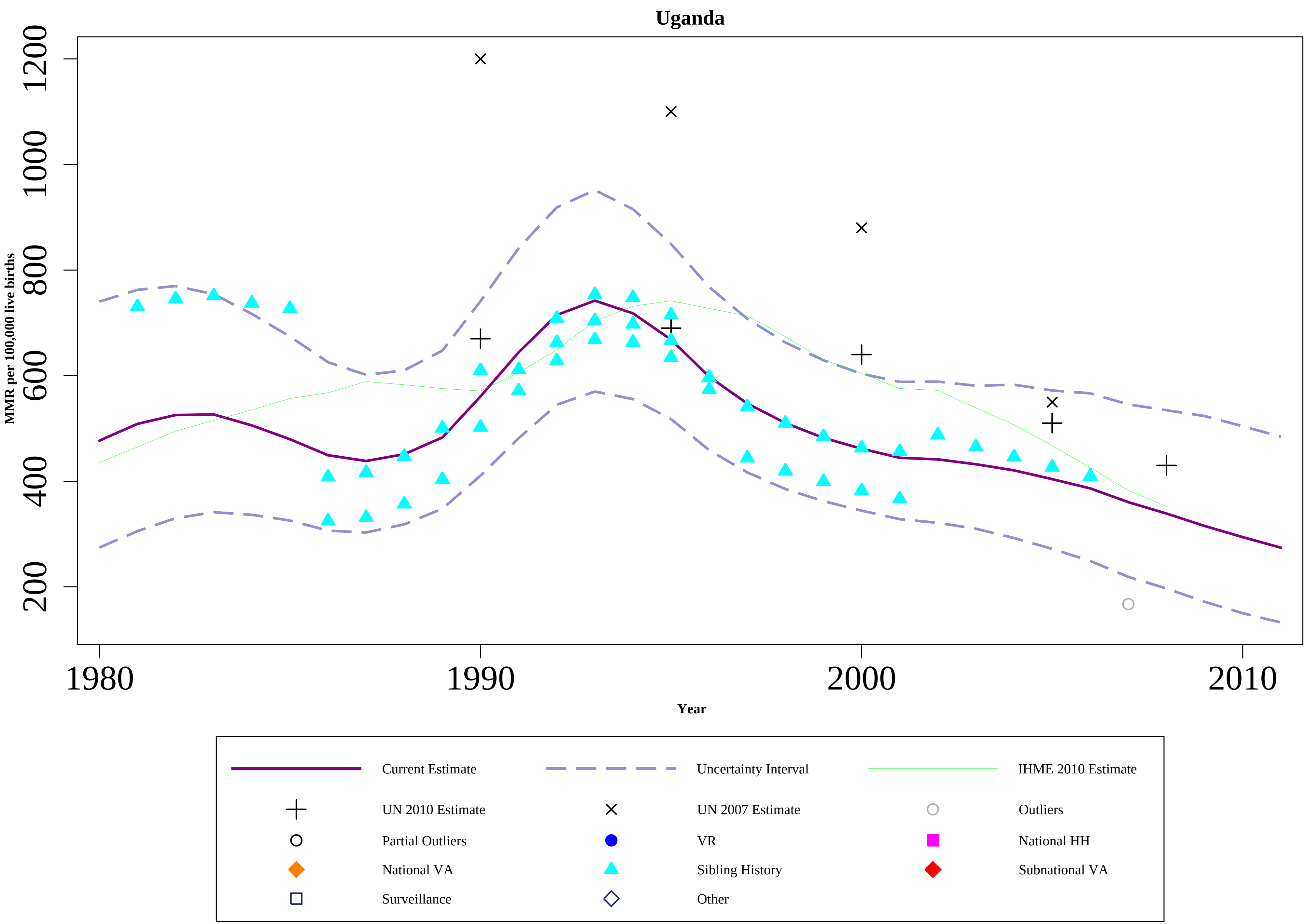

Uganda
MMR per 100,000 live births
200
400
600
800
1000
1200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
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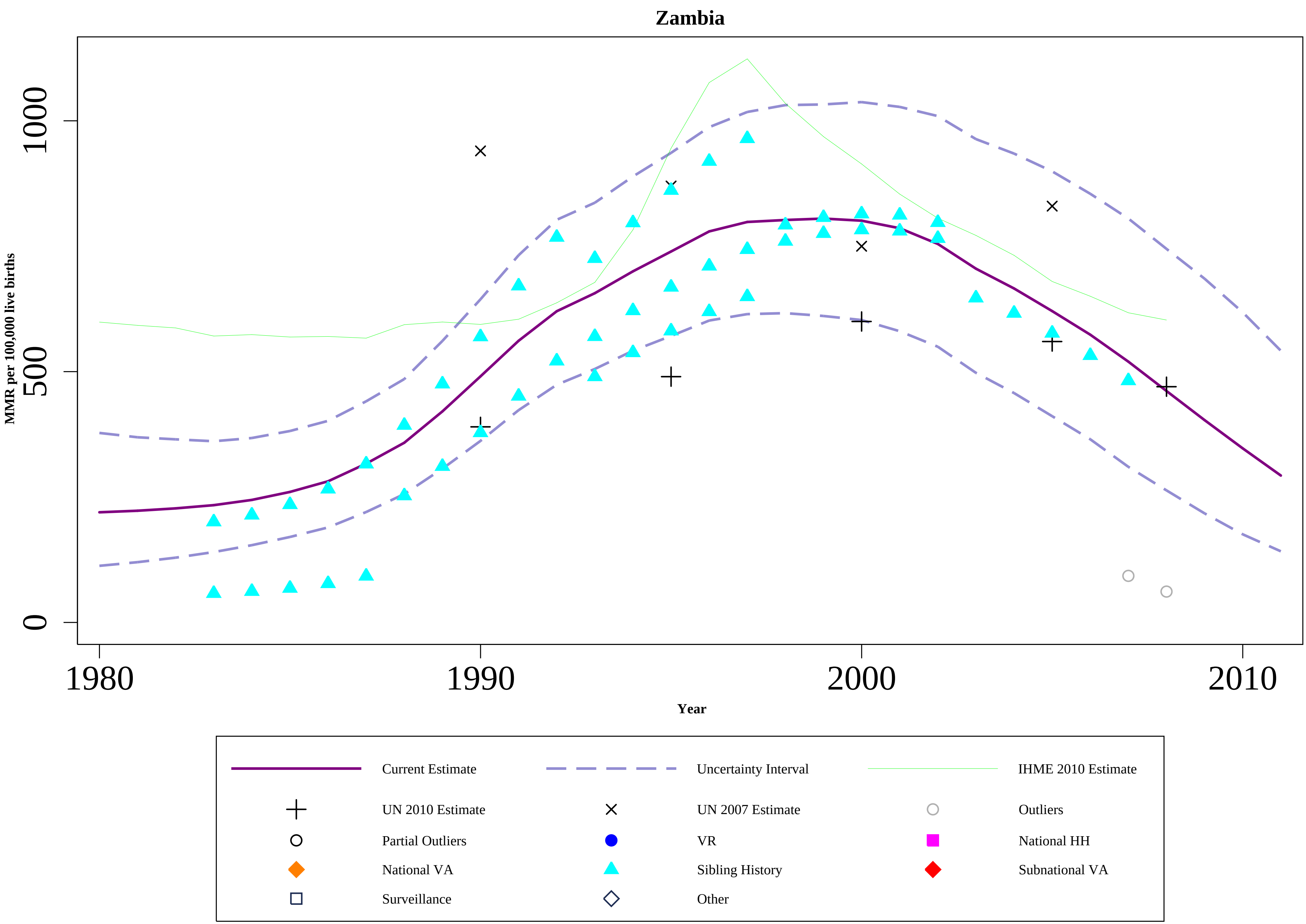
Zambia
MMR per 100,000 live births
0
500
1000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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UN 2007 Estimate
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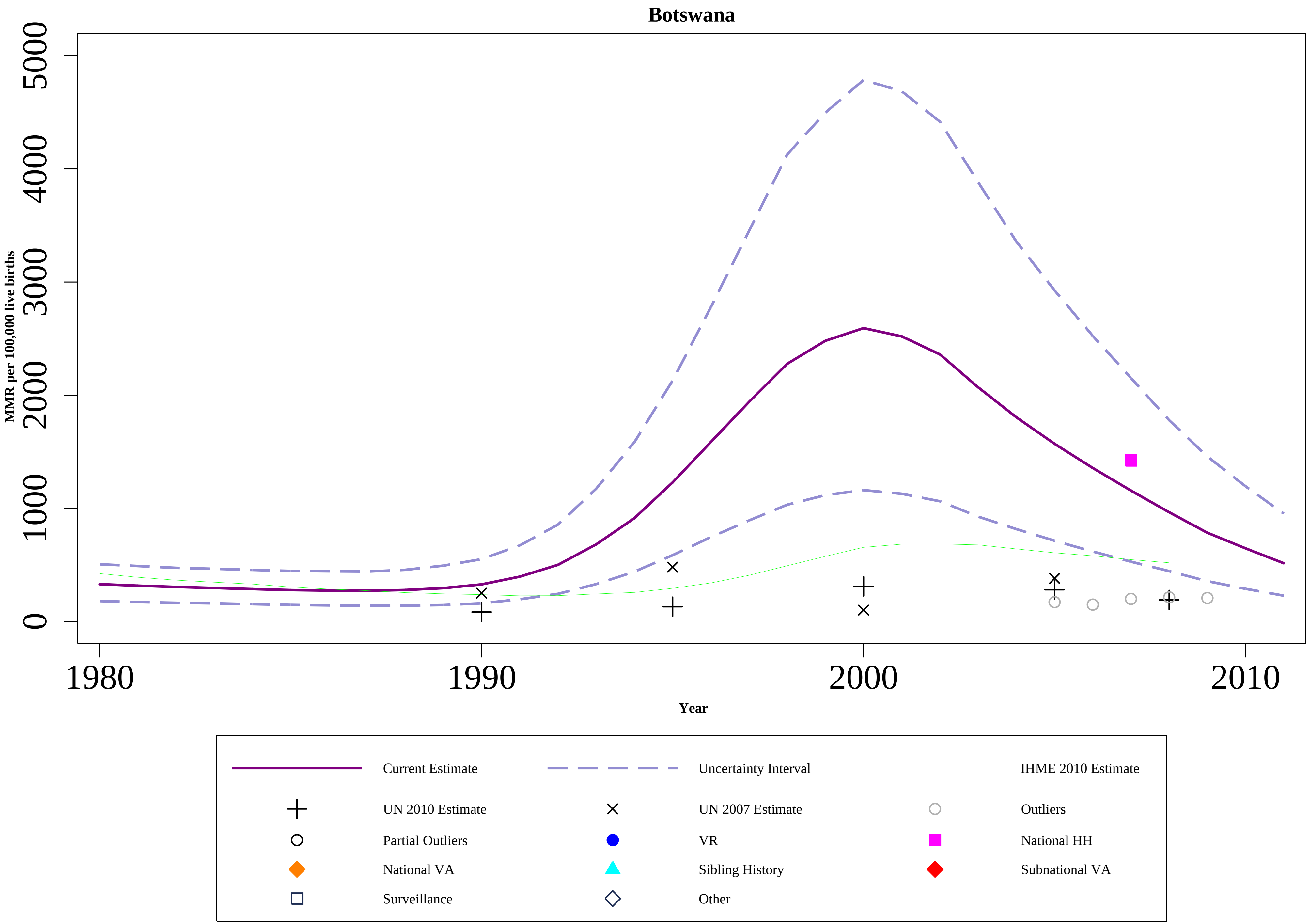
Botswana
MMR per 100,000 live births
0
1000
2000
3000
4000
5000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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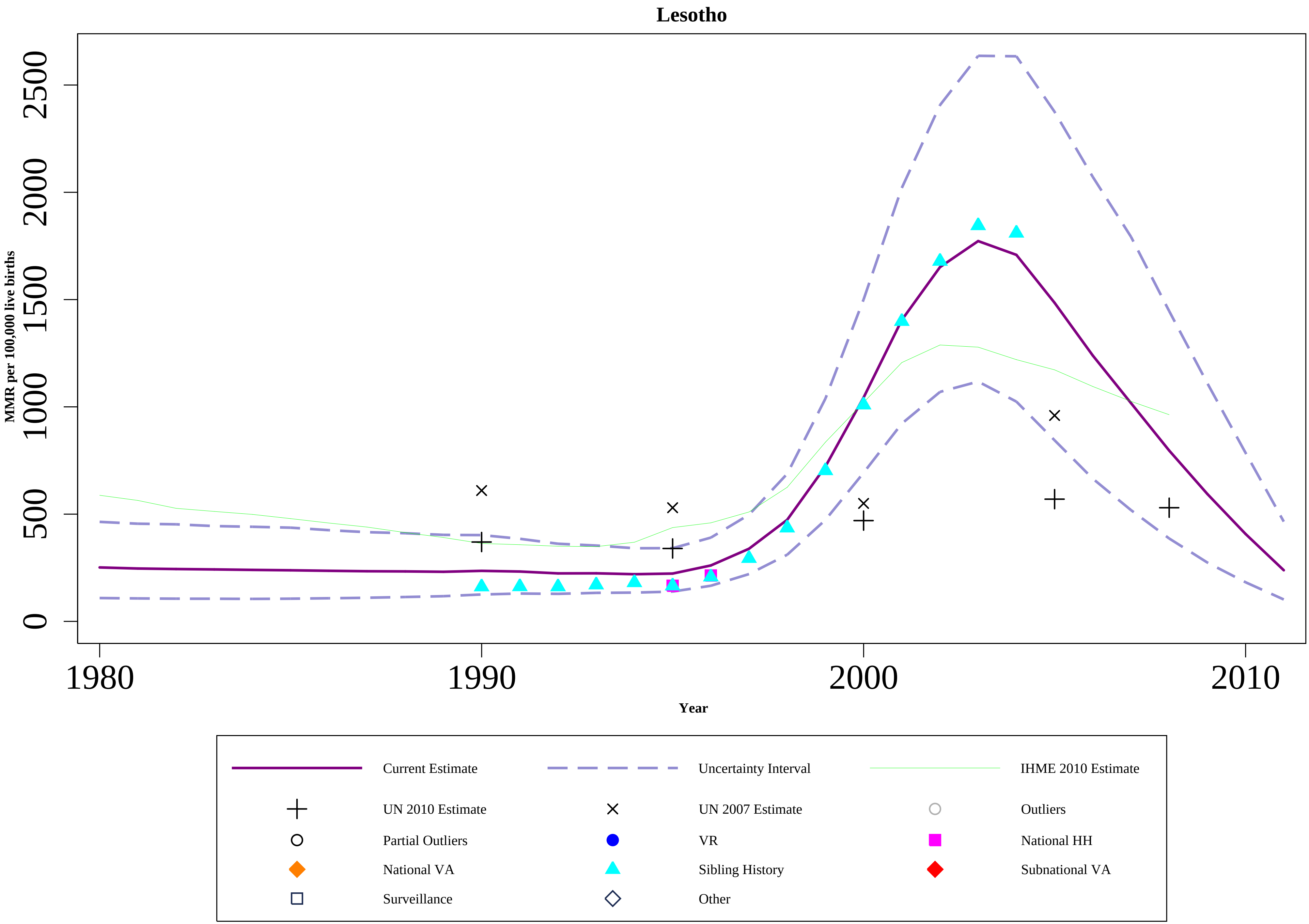

Lesotho
MMR per 100,000 live births
0
500
1000
1500
2000
2500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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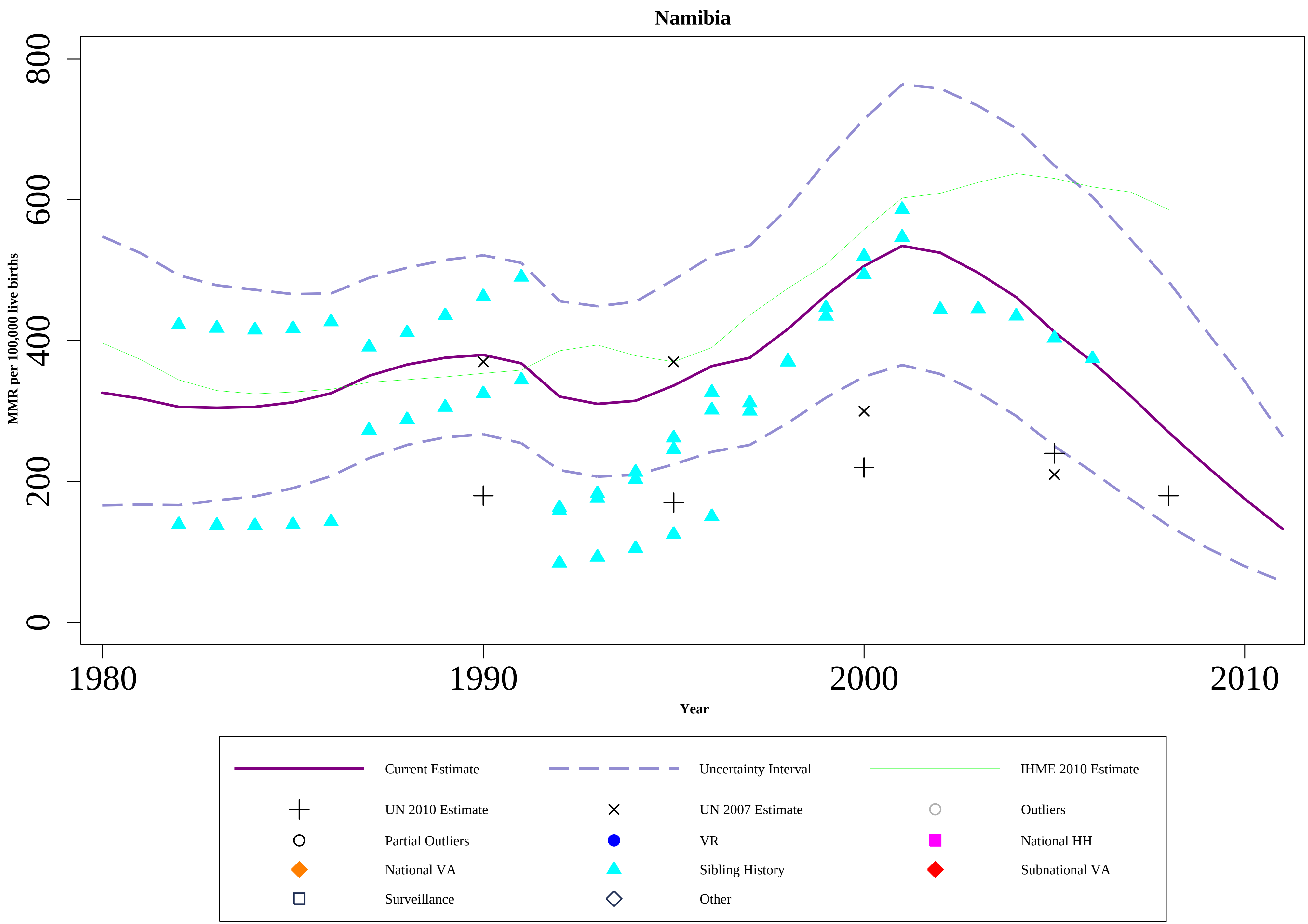

Namibia
MMR per 100,000 live births
0
200
400
600
800
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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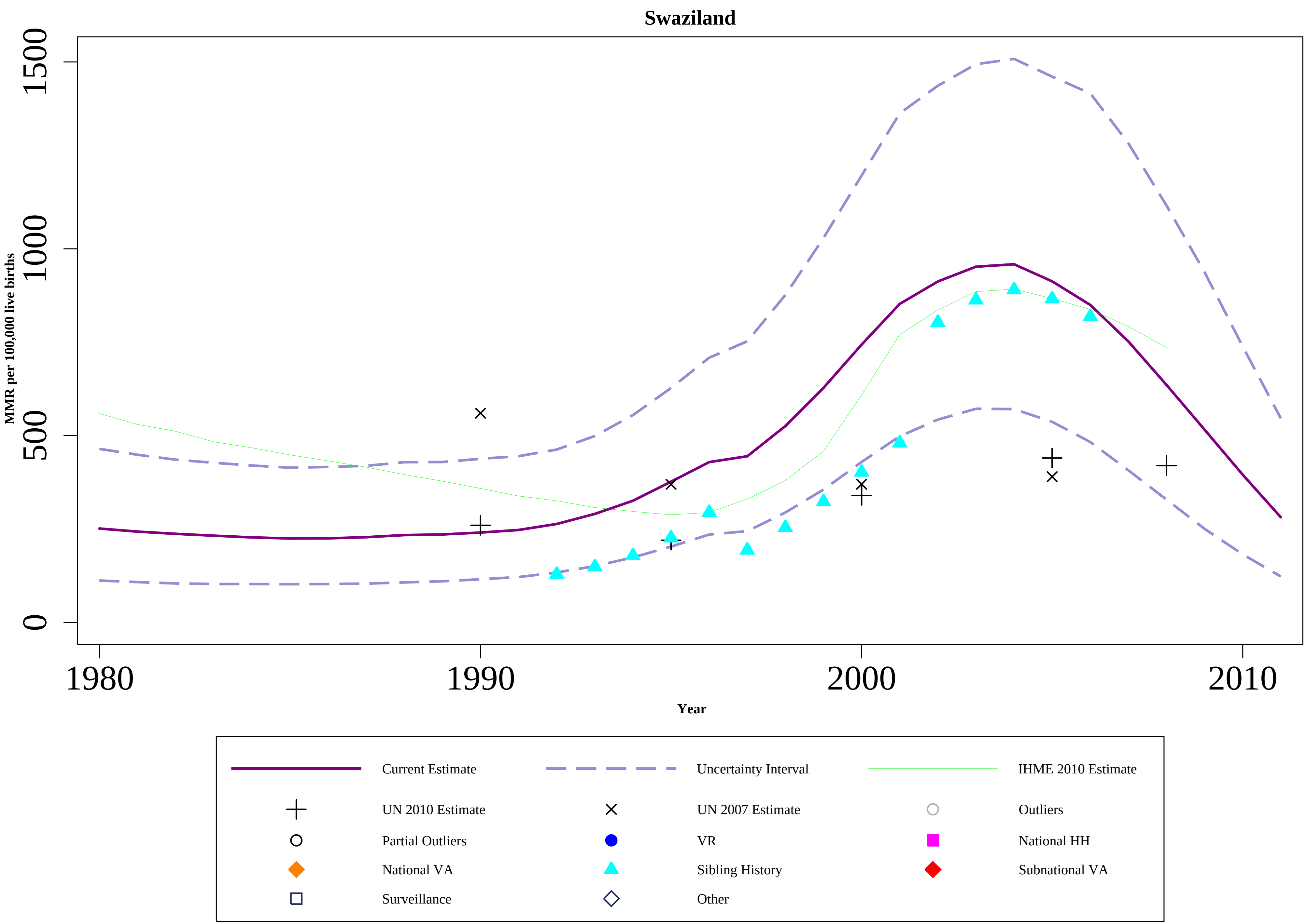

Swaziland
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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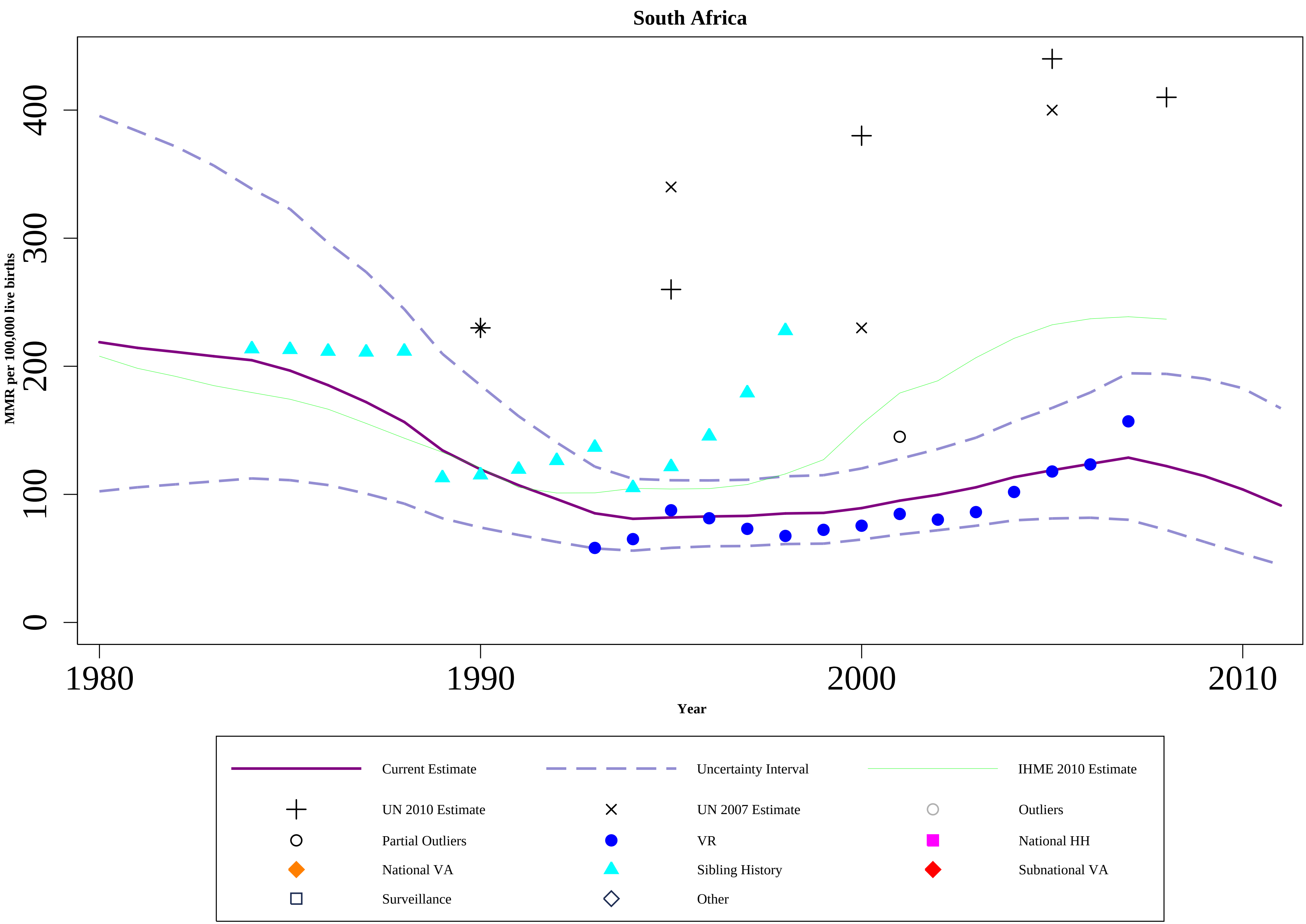

South Africa
MMR per 100,000 live births
0
100
200
300
400
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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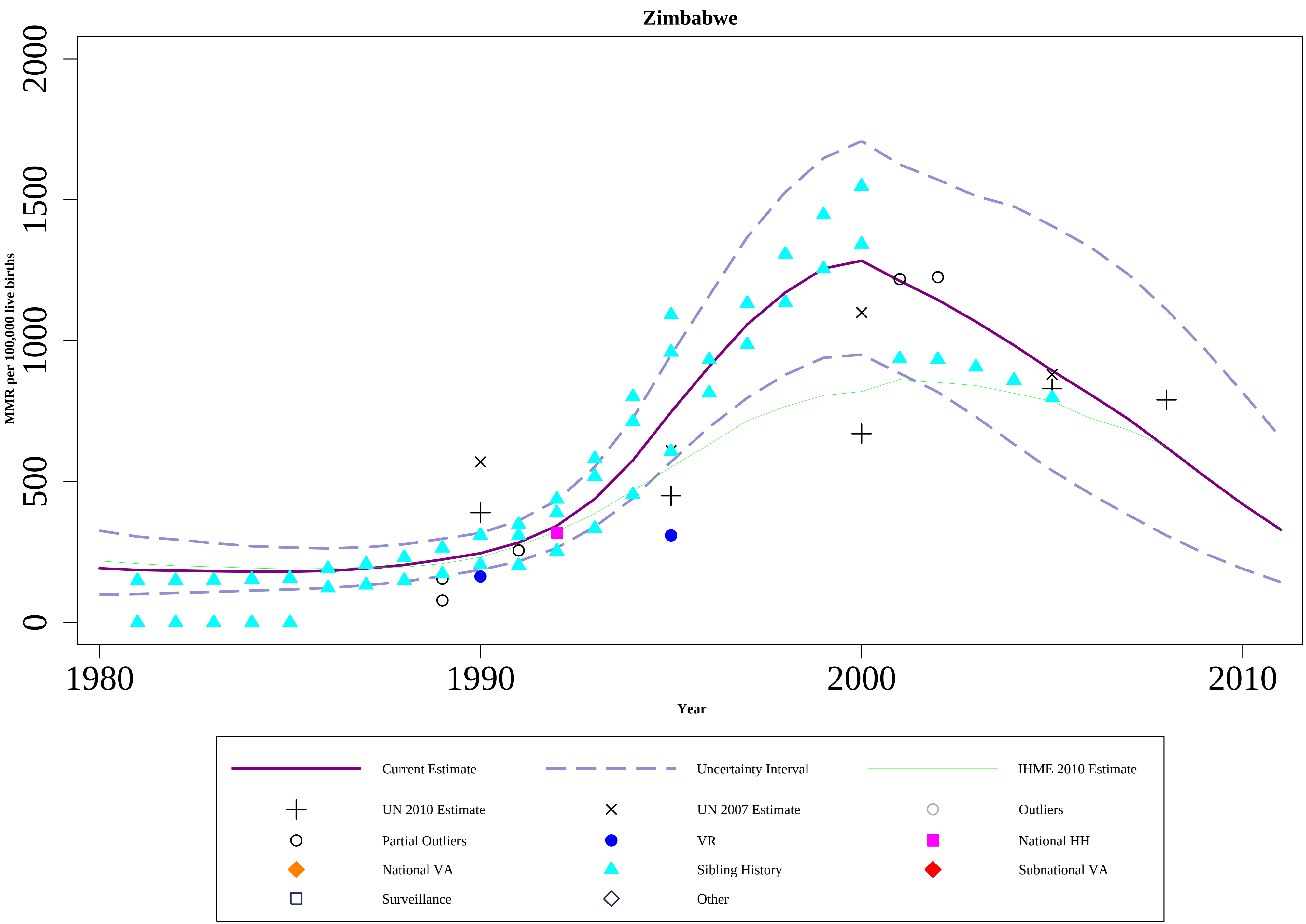
Zimbabwe
MMR per 100,000 live births
0
500
1000
1500
2000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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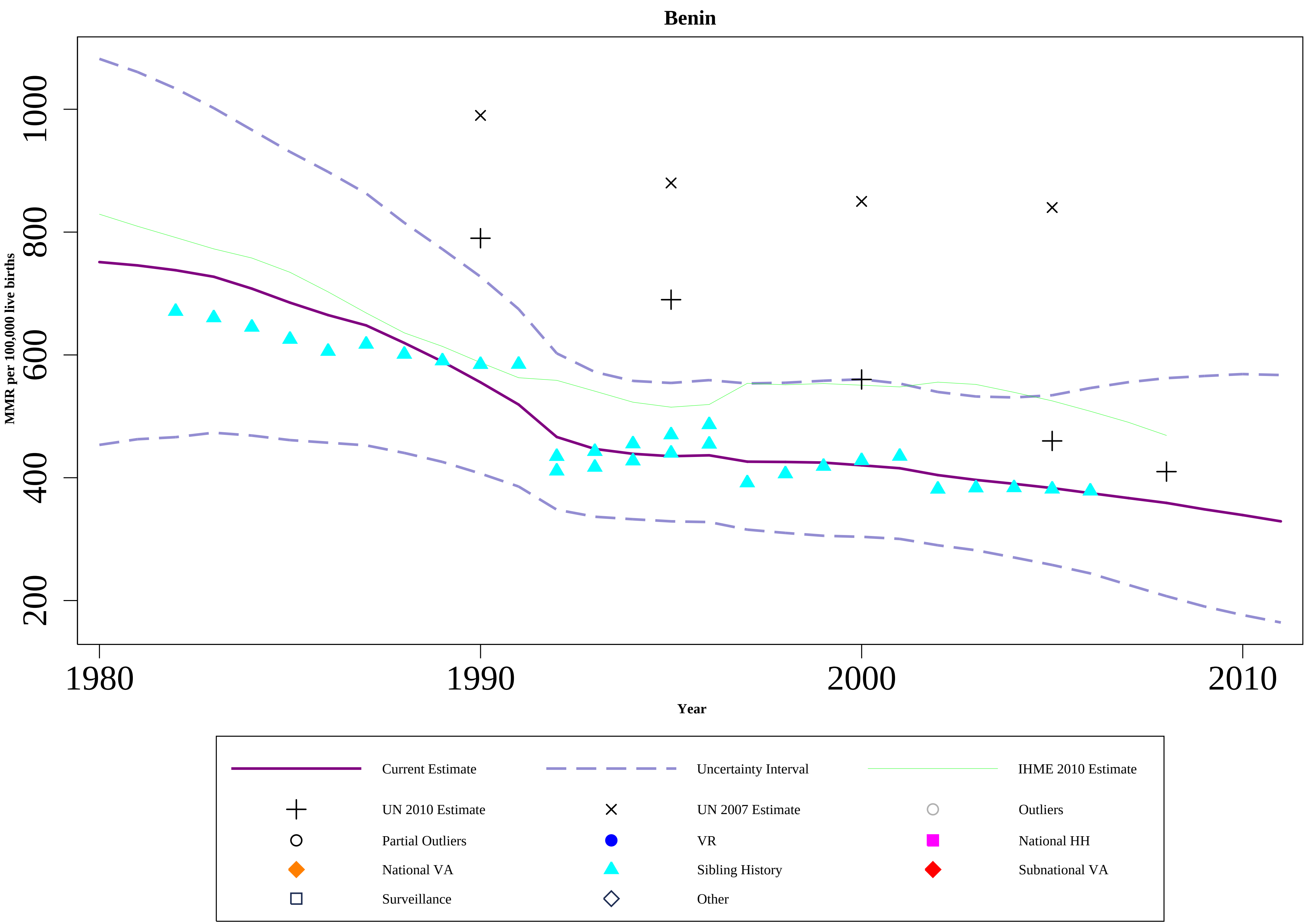
Benin
MMR per 100,000 live births
200
400
600
800
1000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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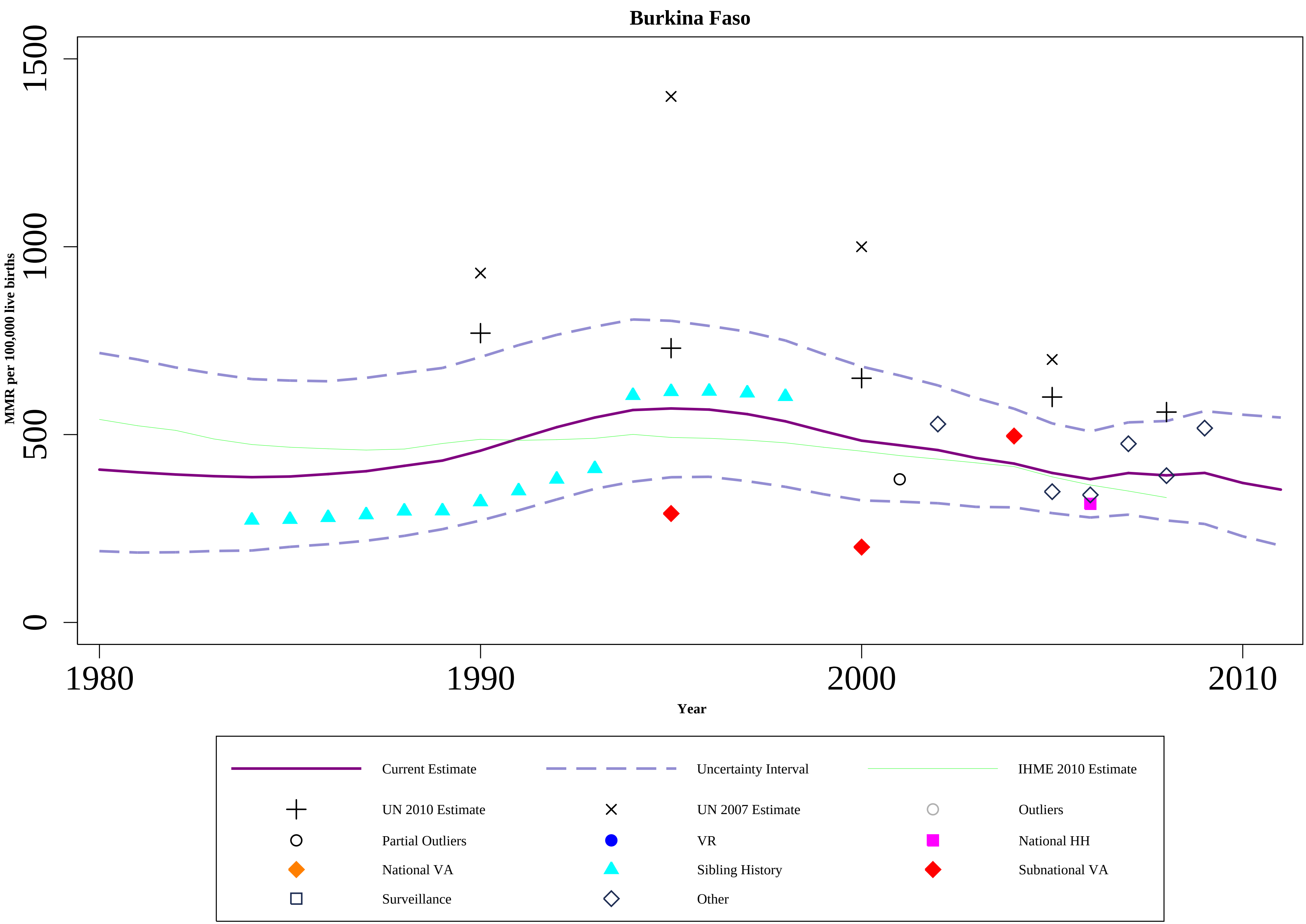

Burkina Faso
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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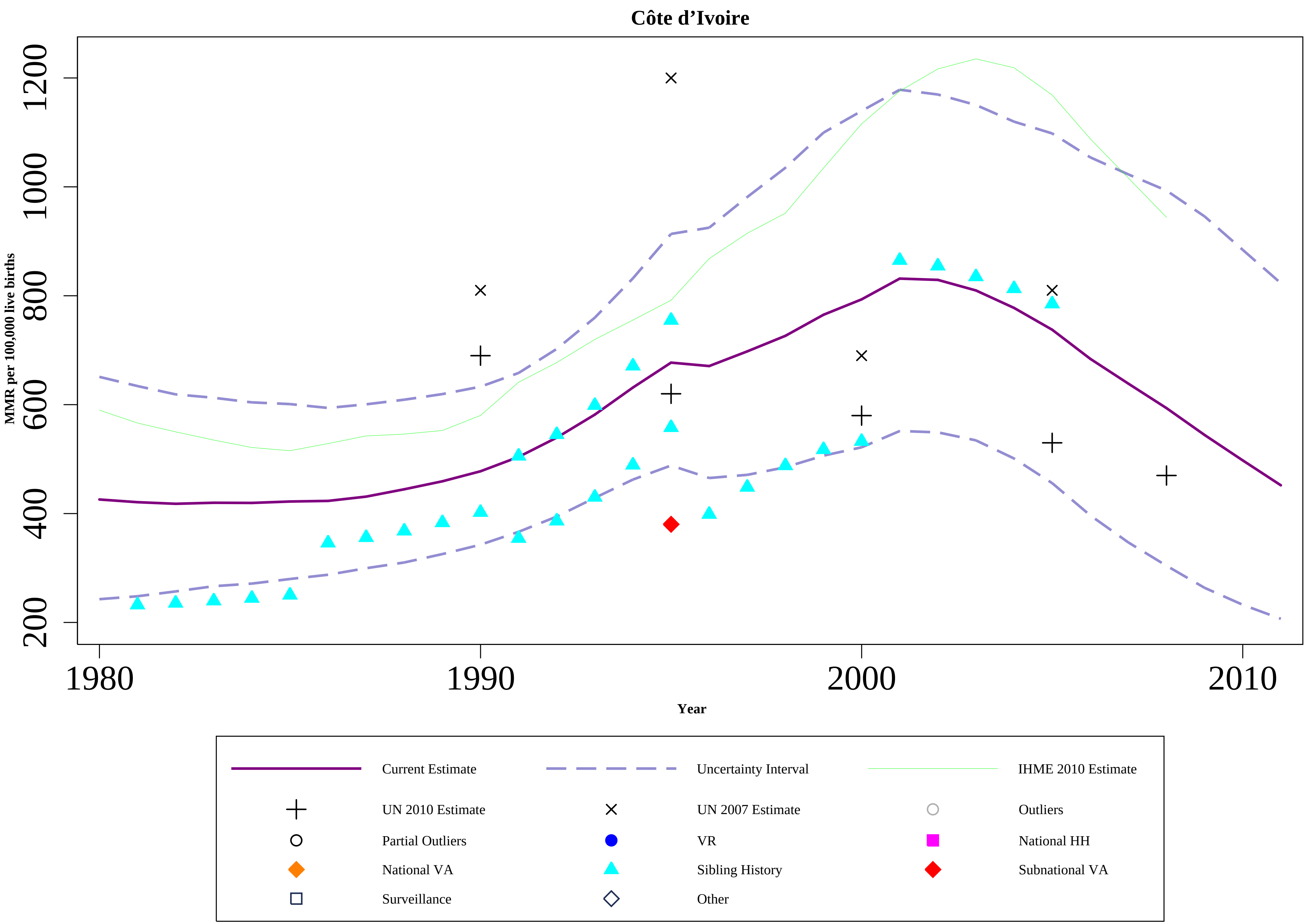
Côte d'Ivoire
MMR per 100,000 live births
200
400
600
800
1000
1200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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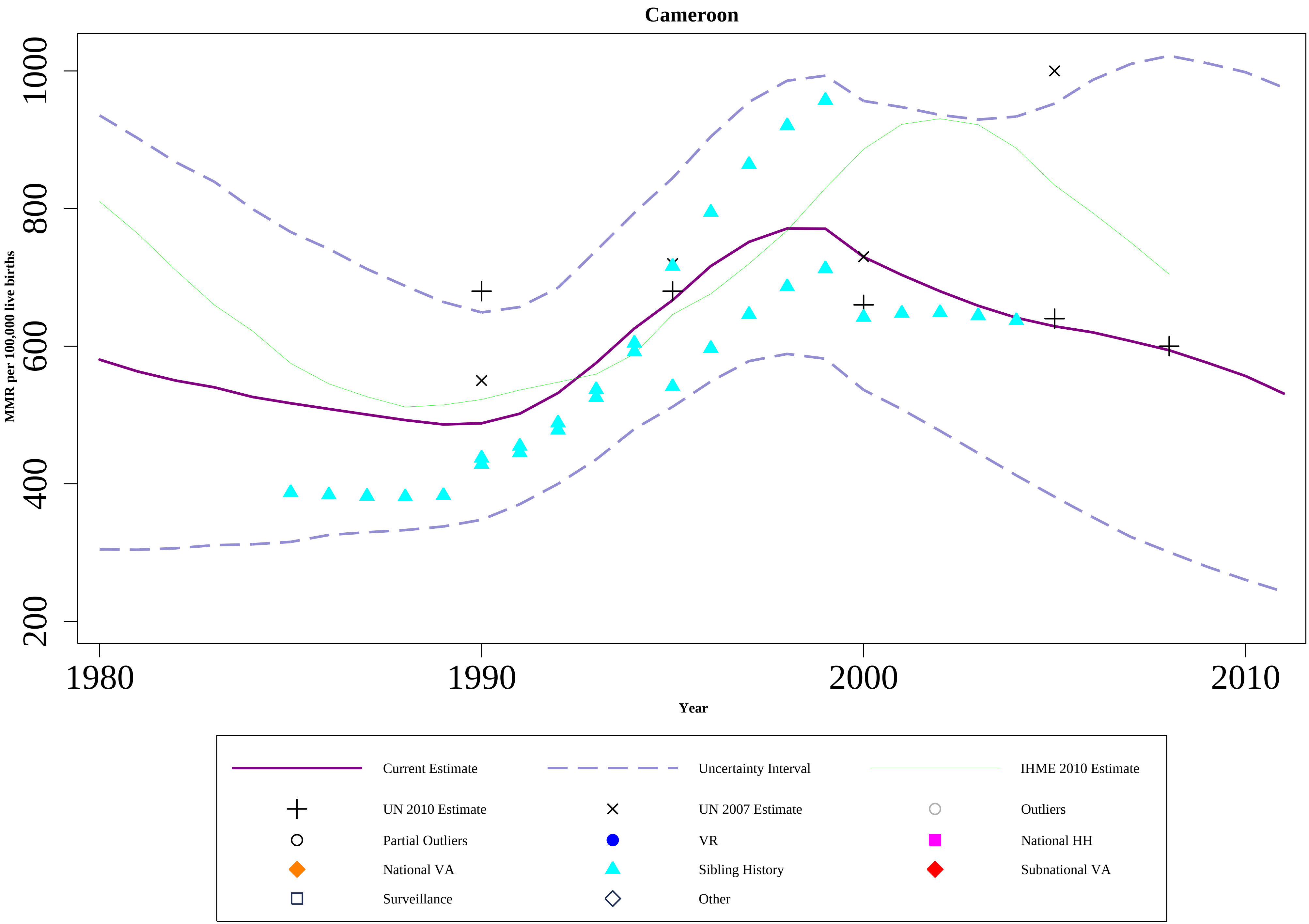
Cameroon
MMR per 100,000 live births
1000
800
600
400
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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Surveillance
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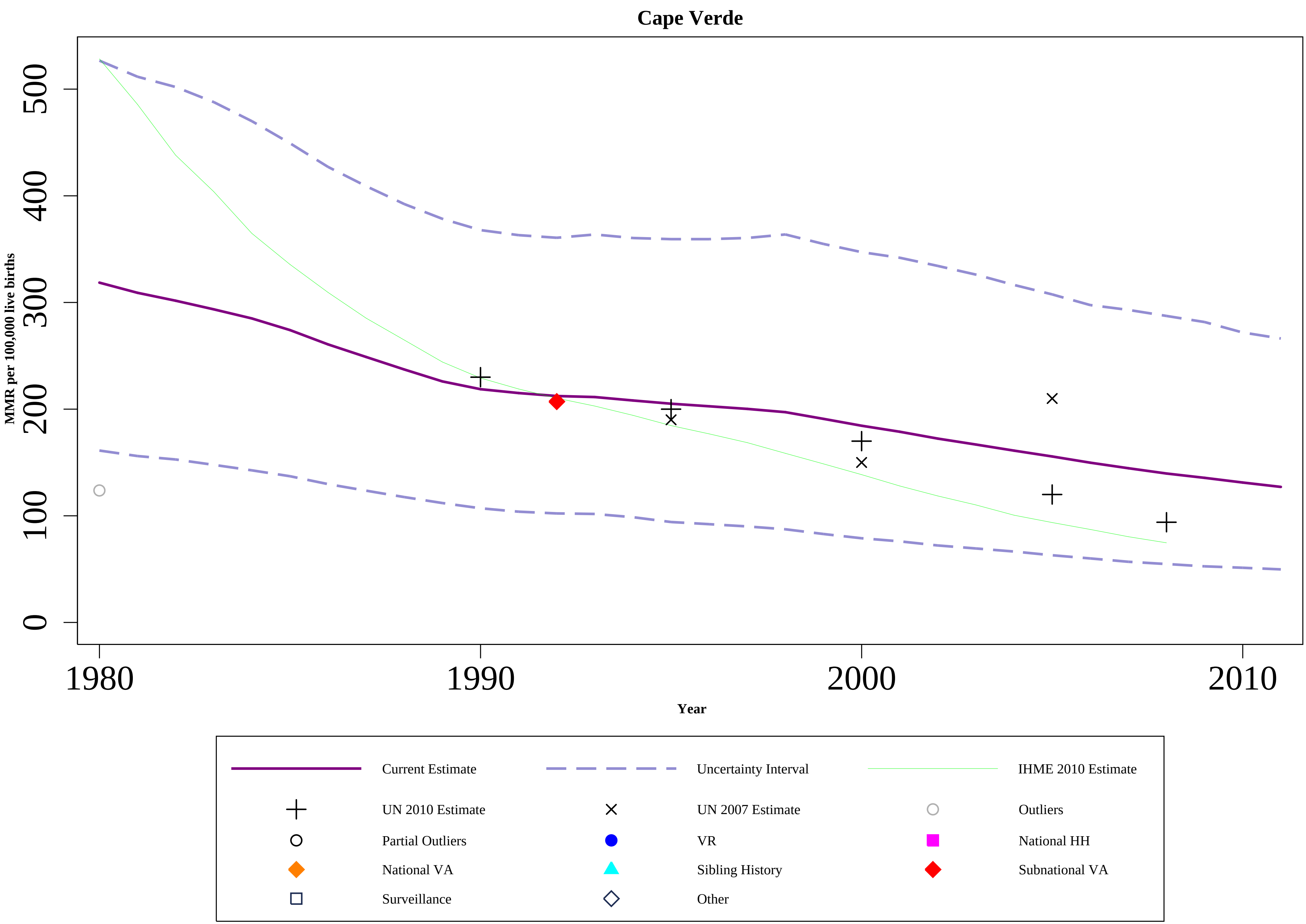

Cape Verde
MMR per 100,000 live births
0
100
200
300
400
500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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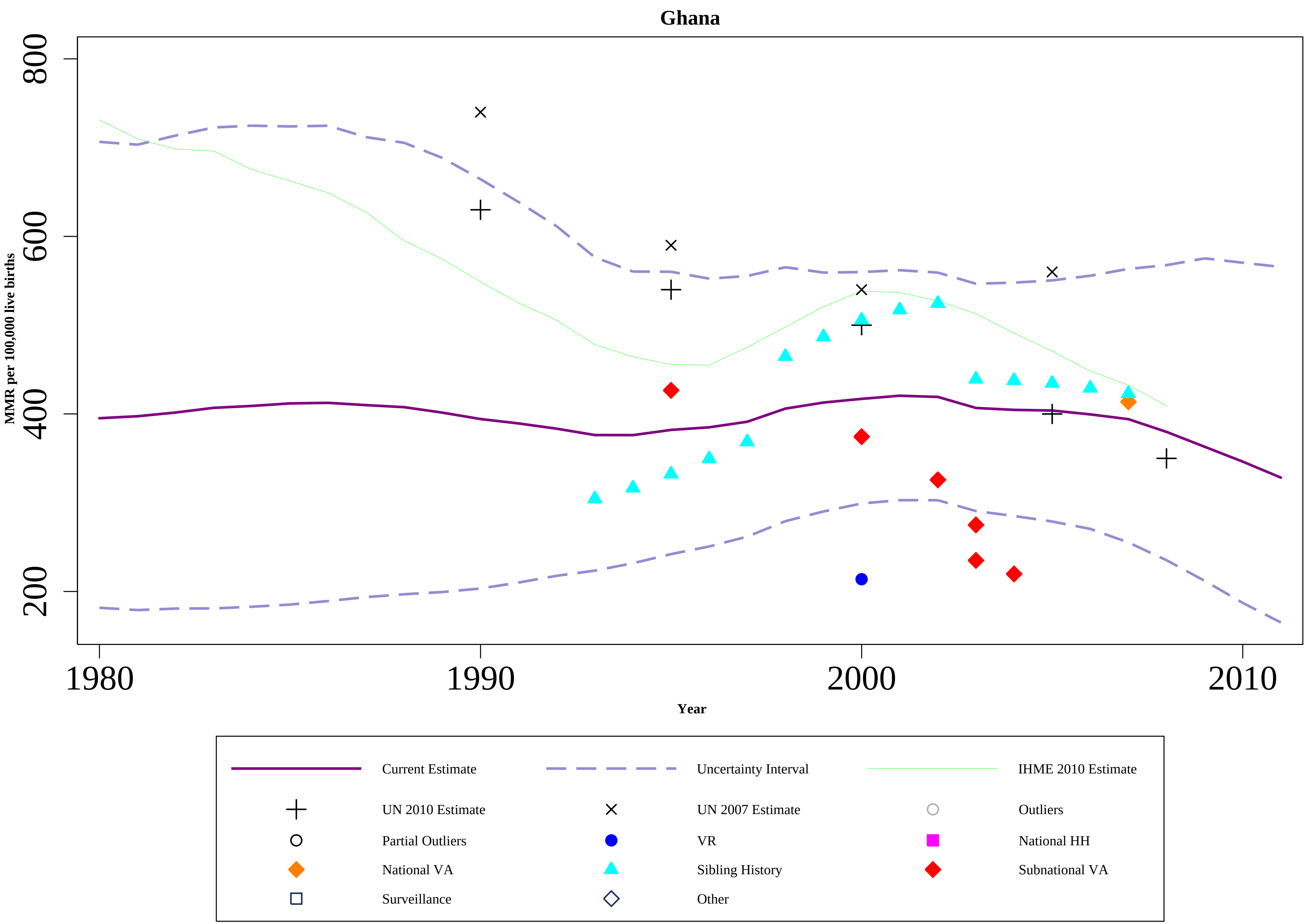
Surveillance
Other


Ghana
MMR per 100,000 live births
800
600
400
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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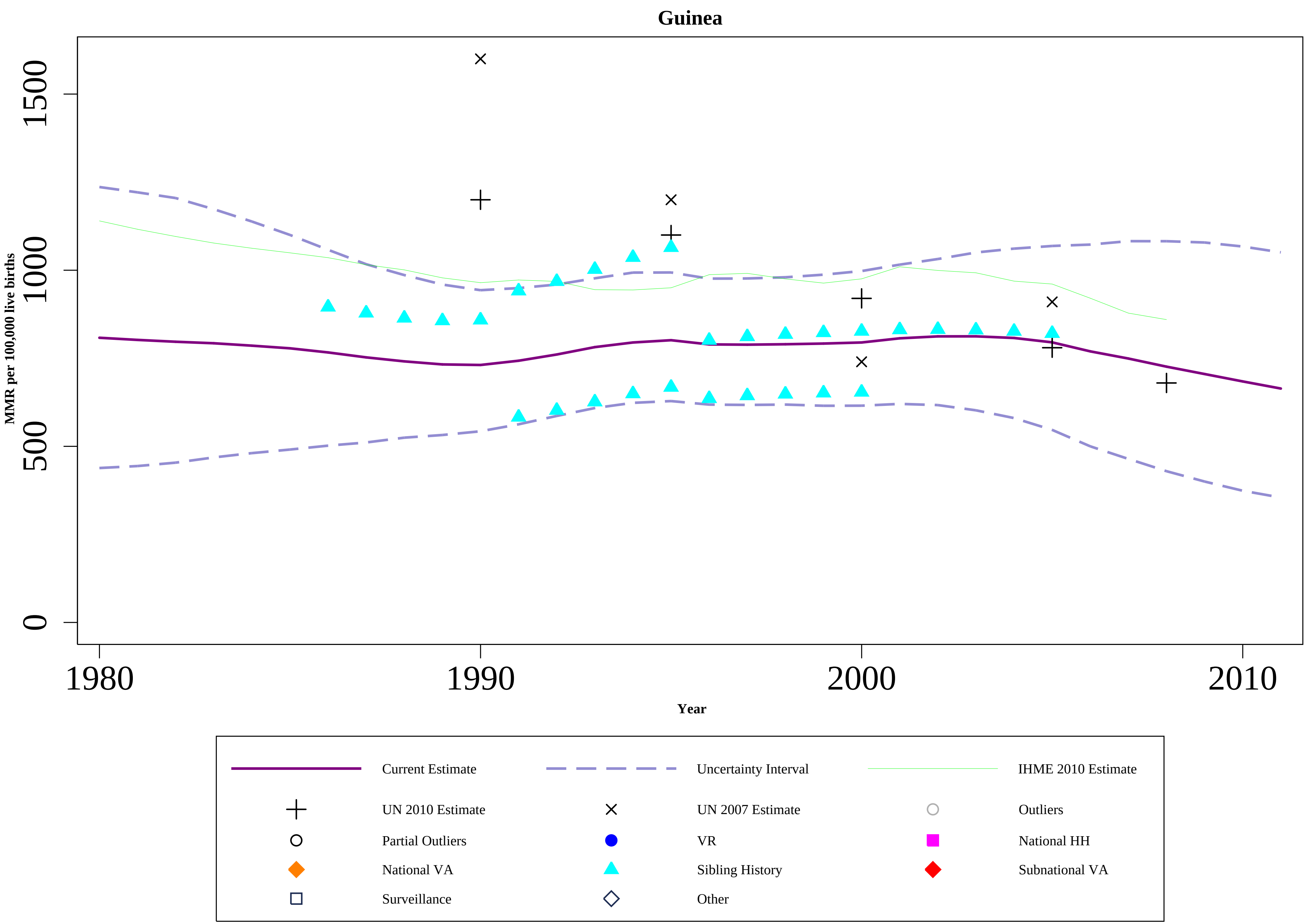
Guinea
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
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UN 2010 Estimate
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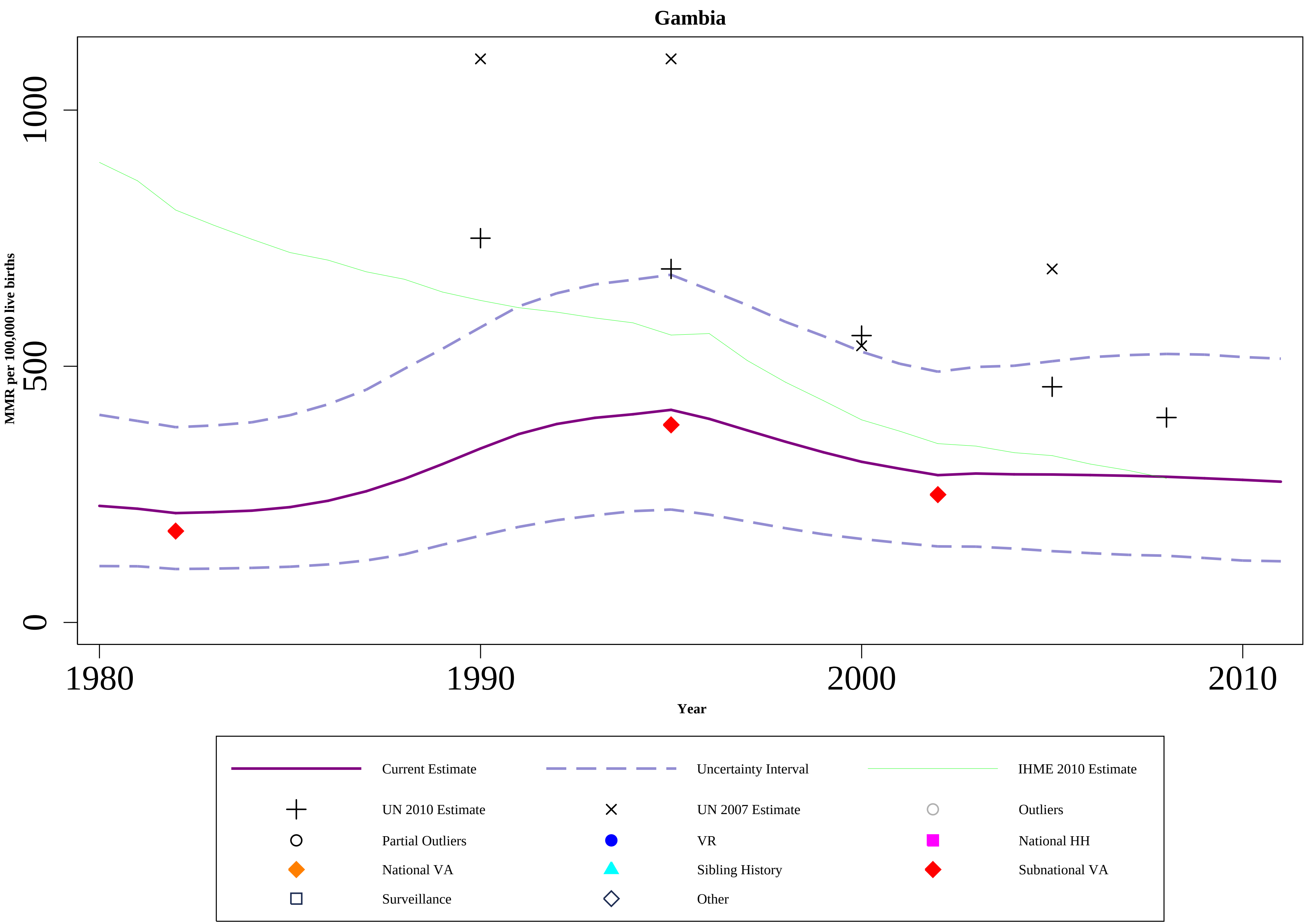
Gambia
MMR per 100,000 live births
0
500
1000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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Subnational VA
Surveillance
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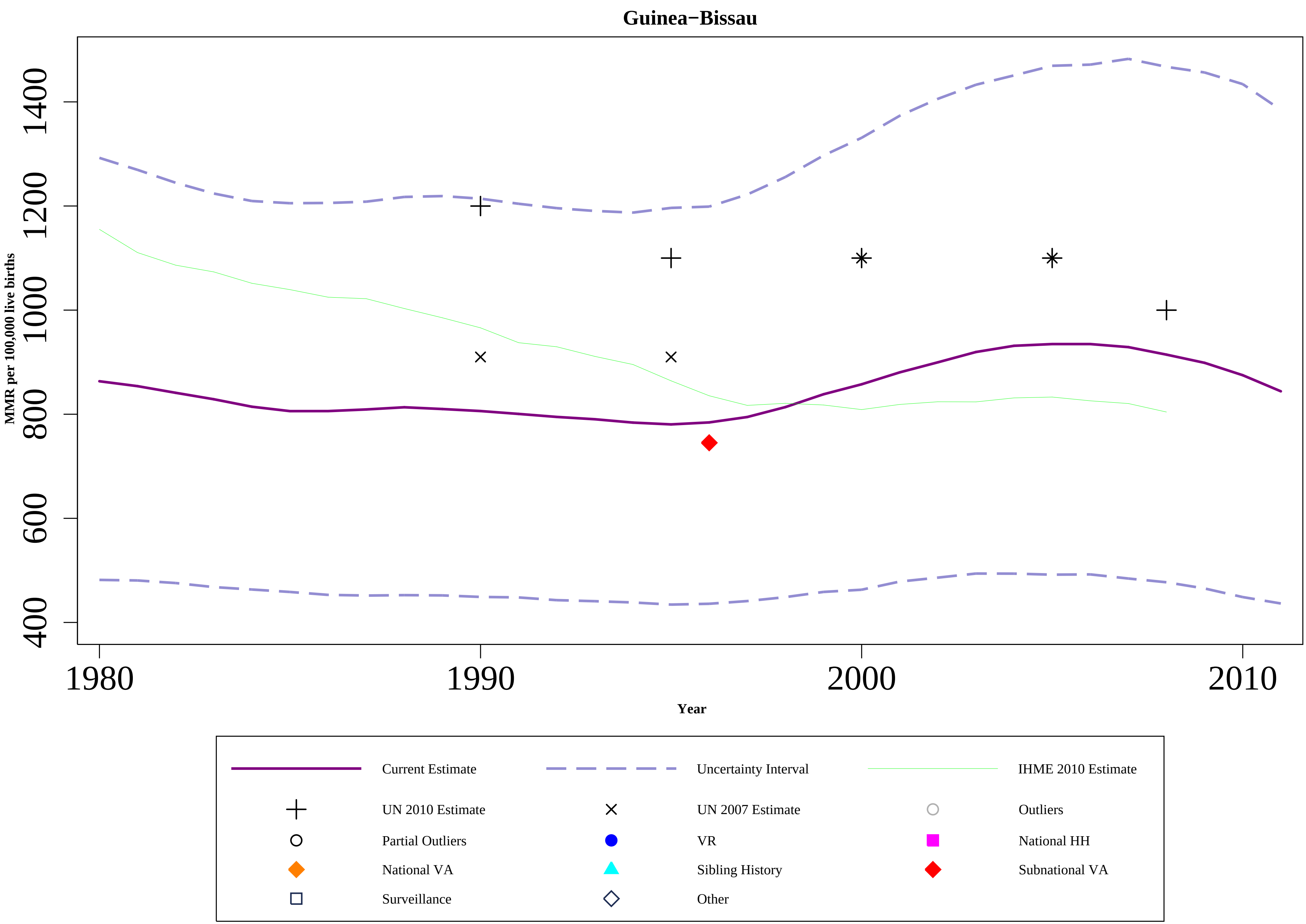

Guinea−Bissau
MMR per 100,000 live births
400
600
800
1000
1200
1400
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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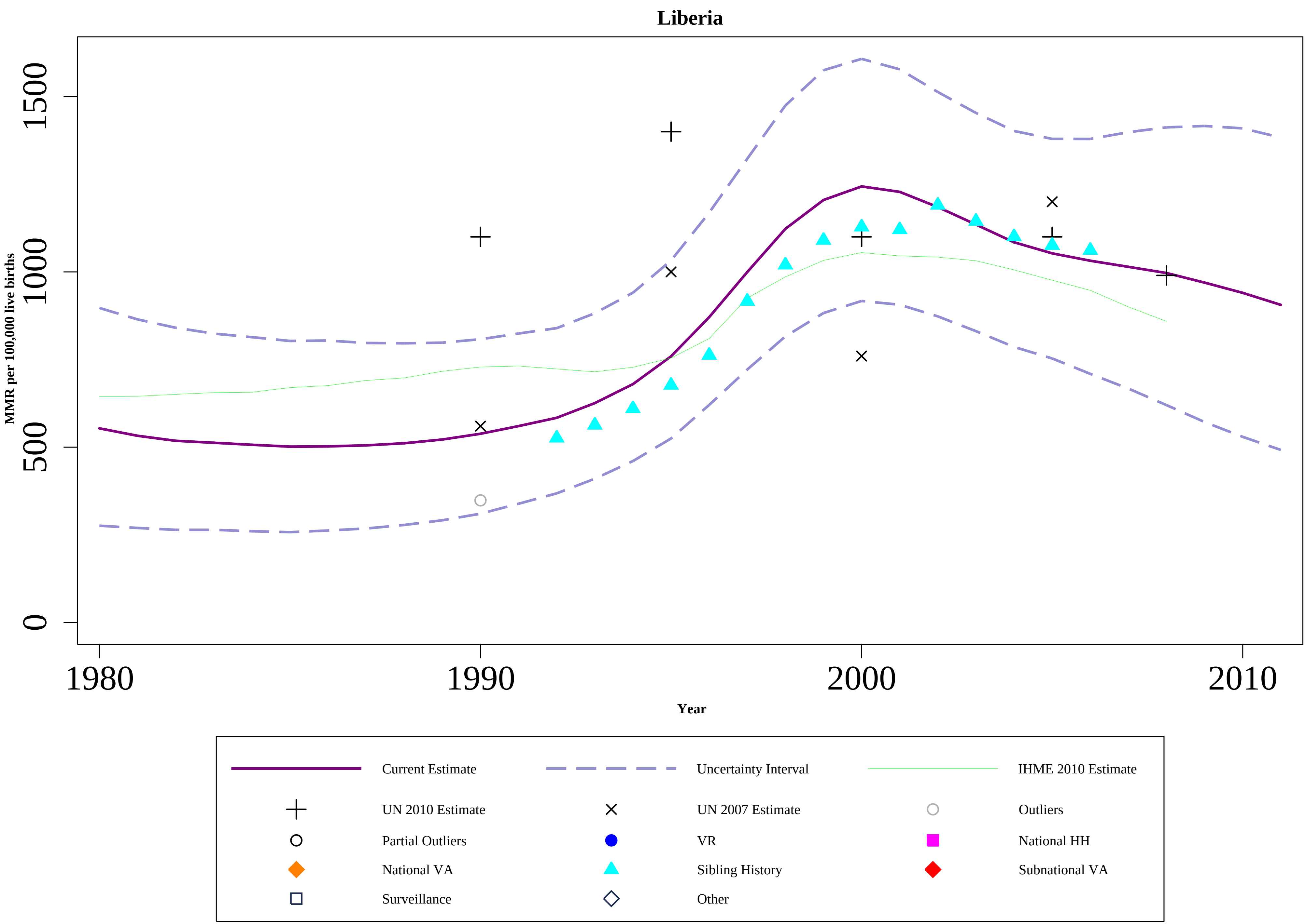
Subnational VA
Surveillance
Other



Liberia
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
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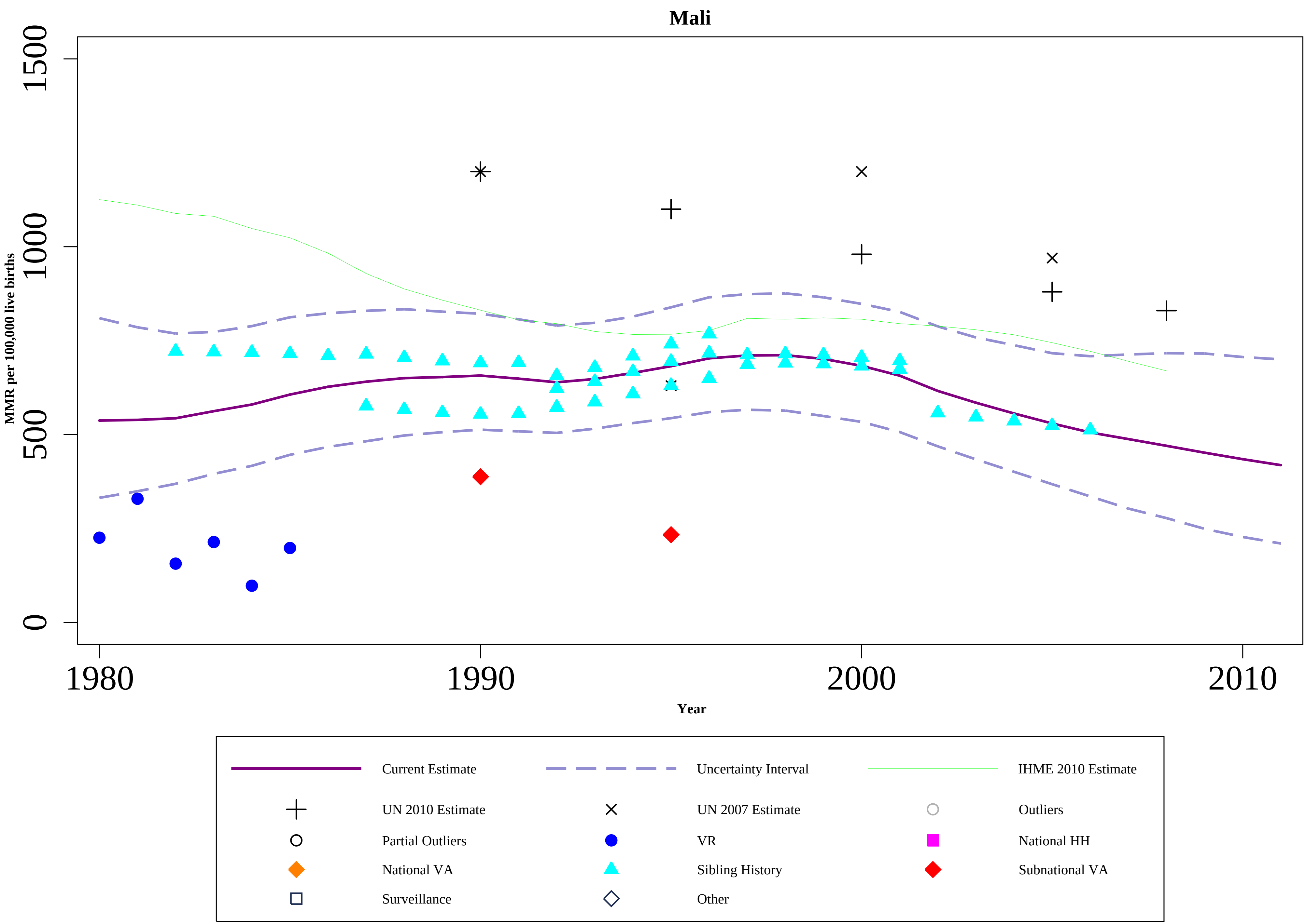

Mali
MMR per 100,000 live births
0
500
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1500
1980
1990
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Uncertainty Interval
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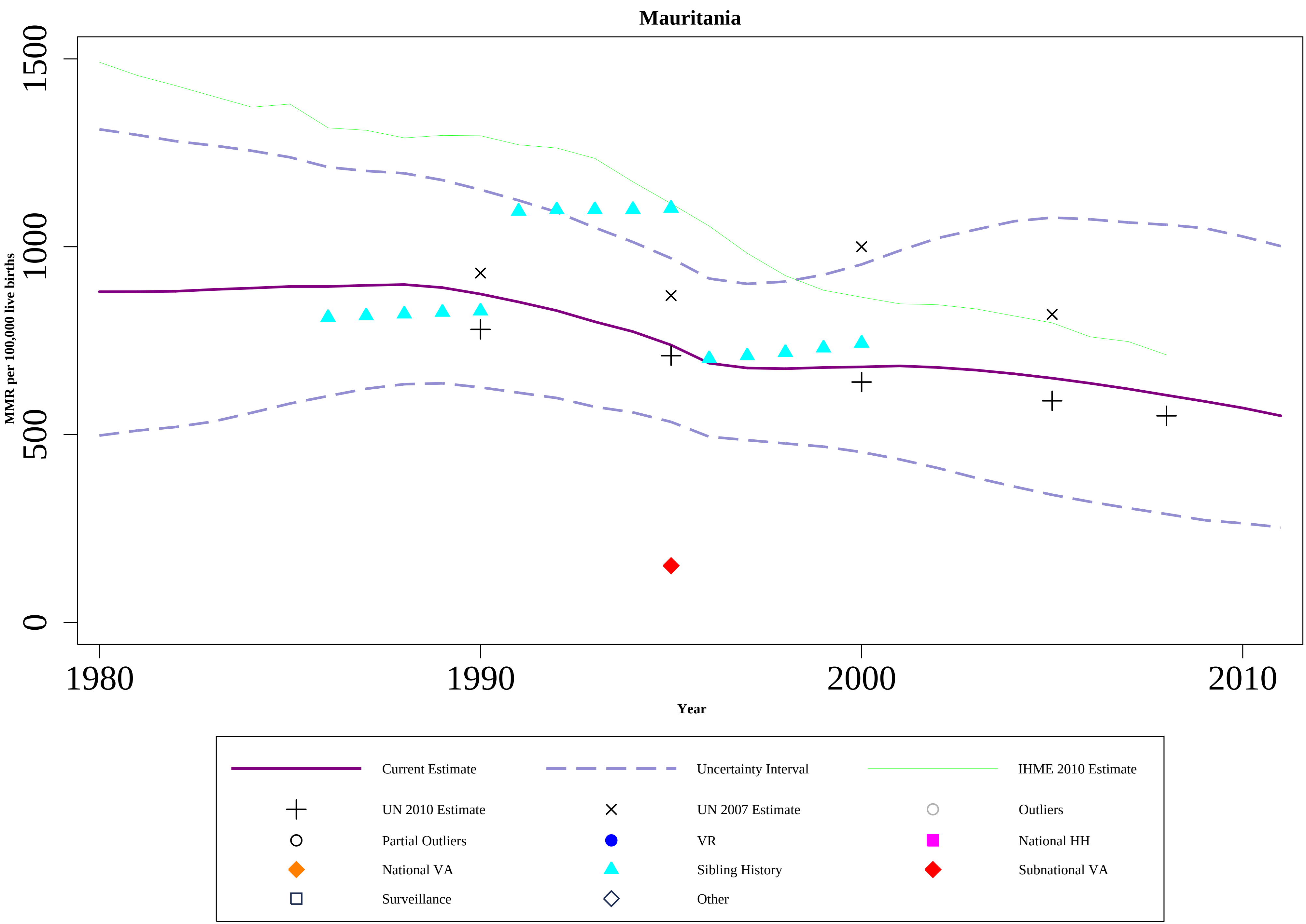
Mauritania
MMR per 100,000 live births
0
500
1000
1500
1980
1990
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2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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UN 2007 Estimate
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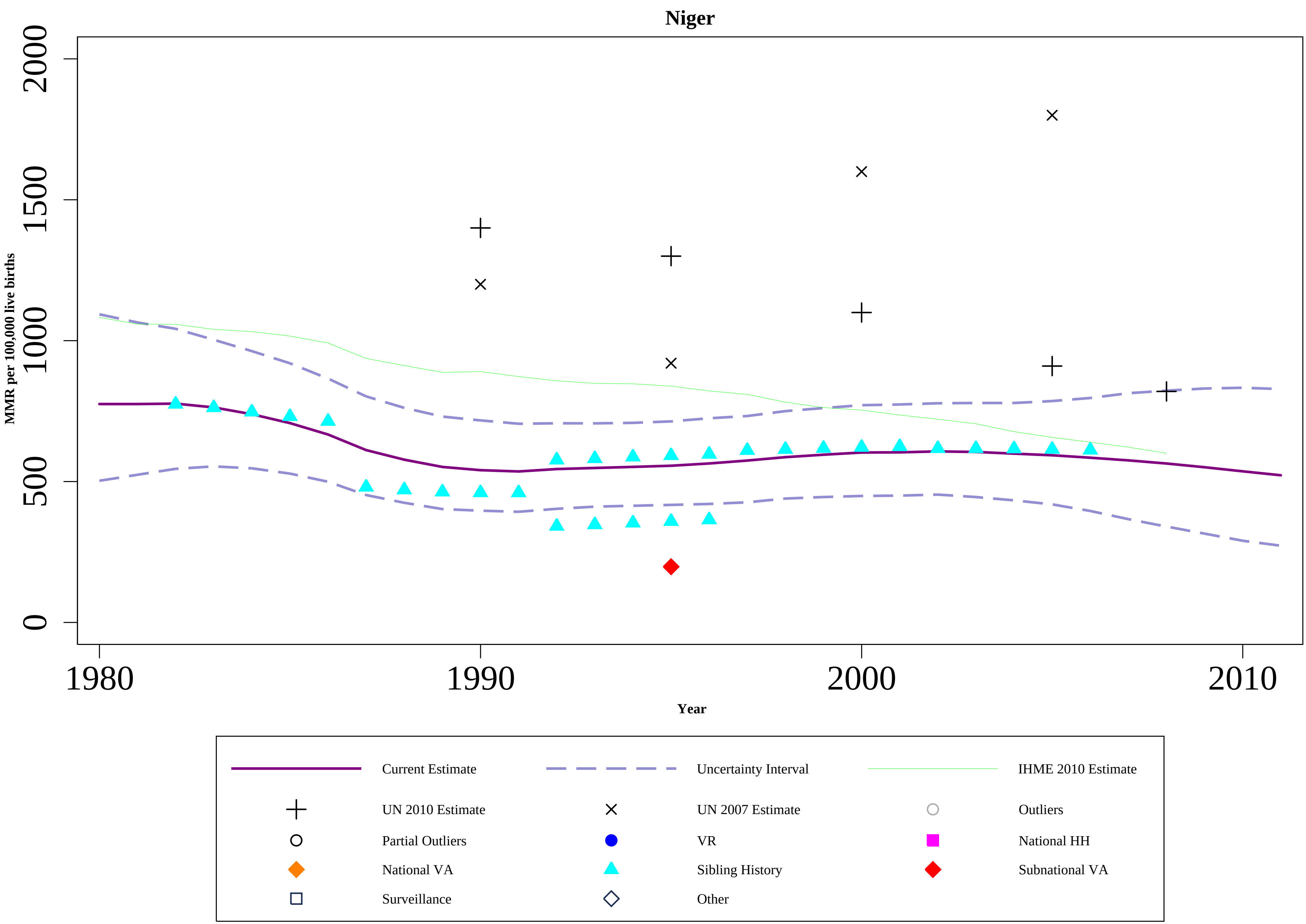

Niger
MMR per 100,000 live births
0
500
1000
1500
2000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
UN 2010 Estimate
UN 2007 Estimate
Outliers
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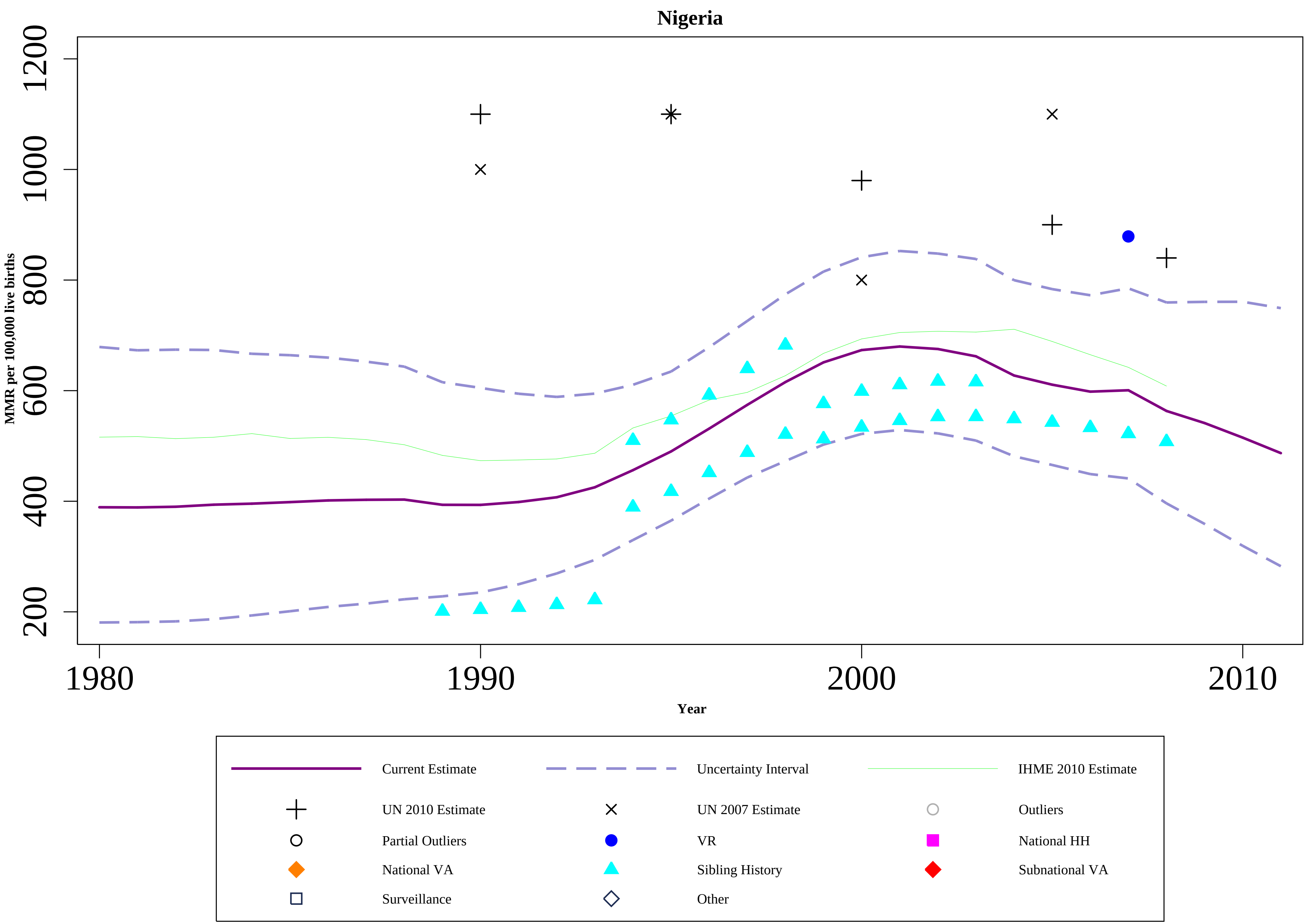
Nigeria
MMR per 100,000 live births
200
400
600
800
1000
1200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
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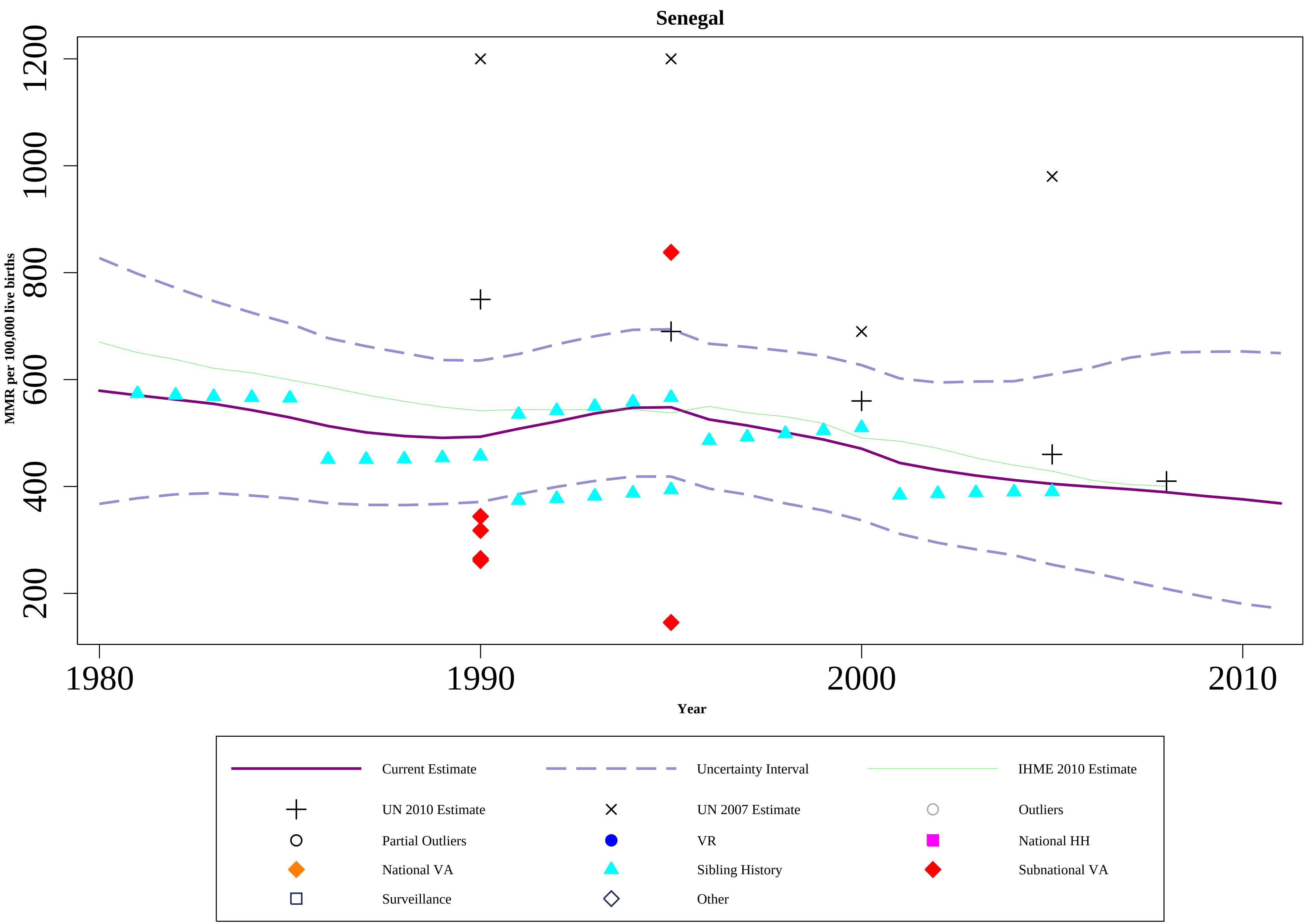
Senegal
MMR per 100,000 live births
200
400
600
800
1000
1200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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Outliers
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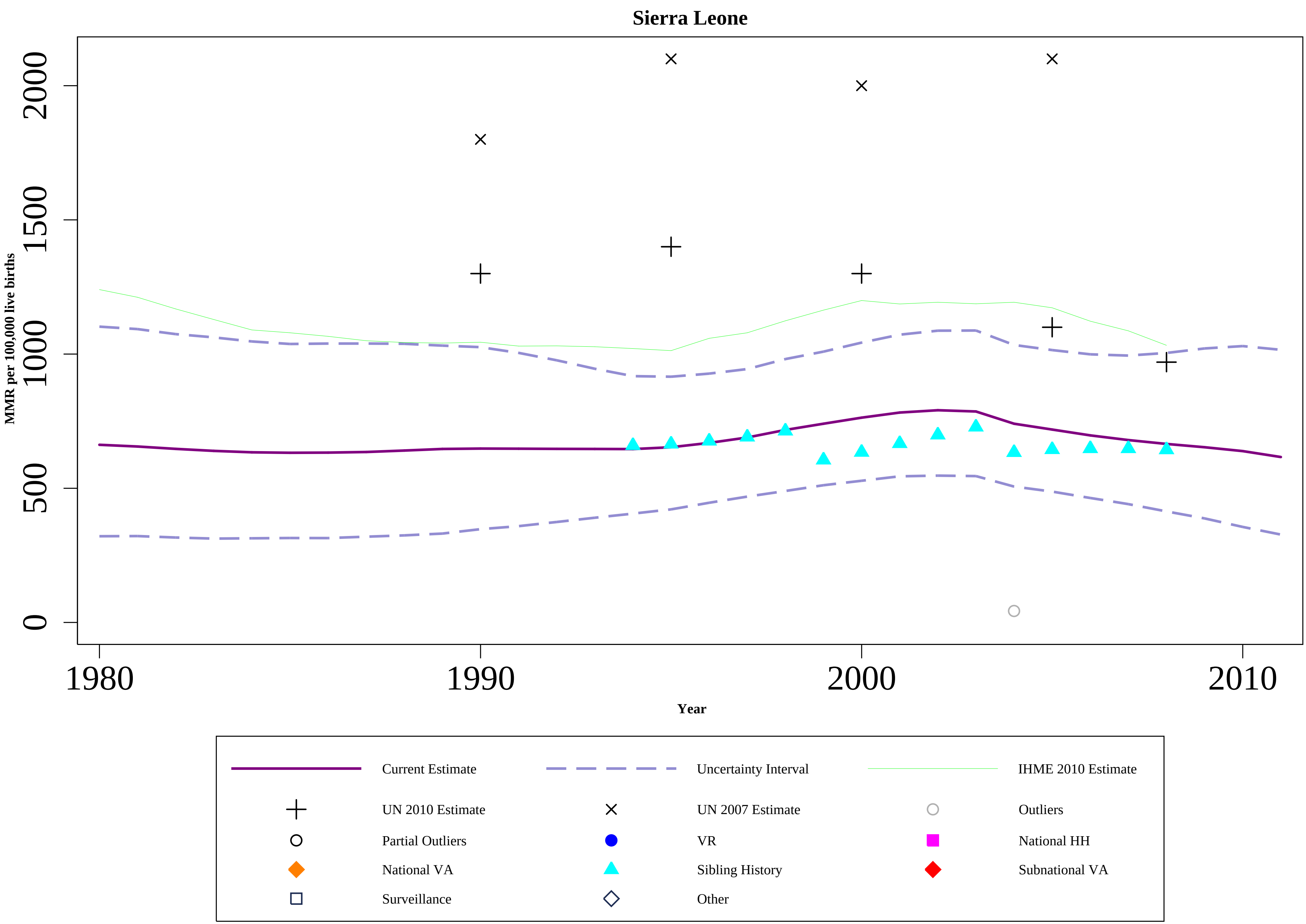
Sierra Leone
MMR per 100,000 live births
0
500
1000
1500
2000
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
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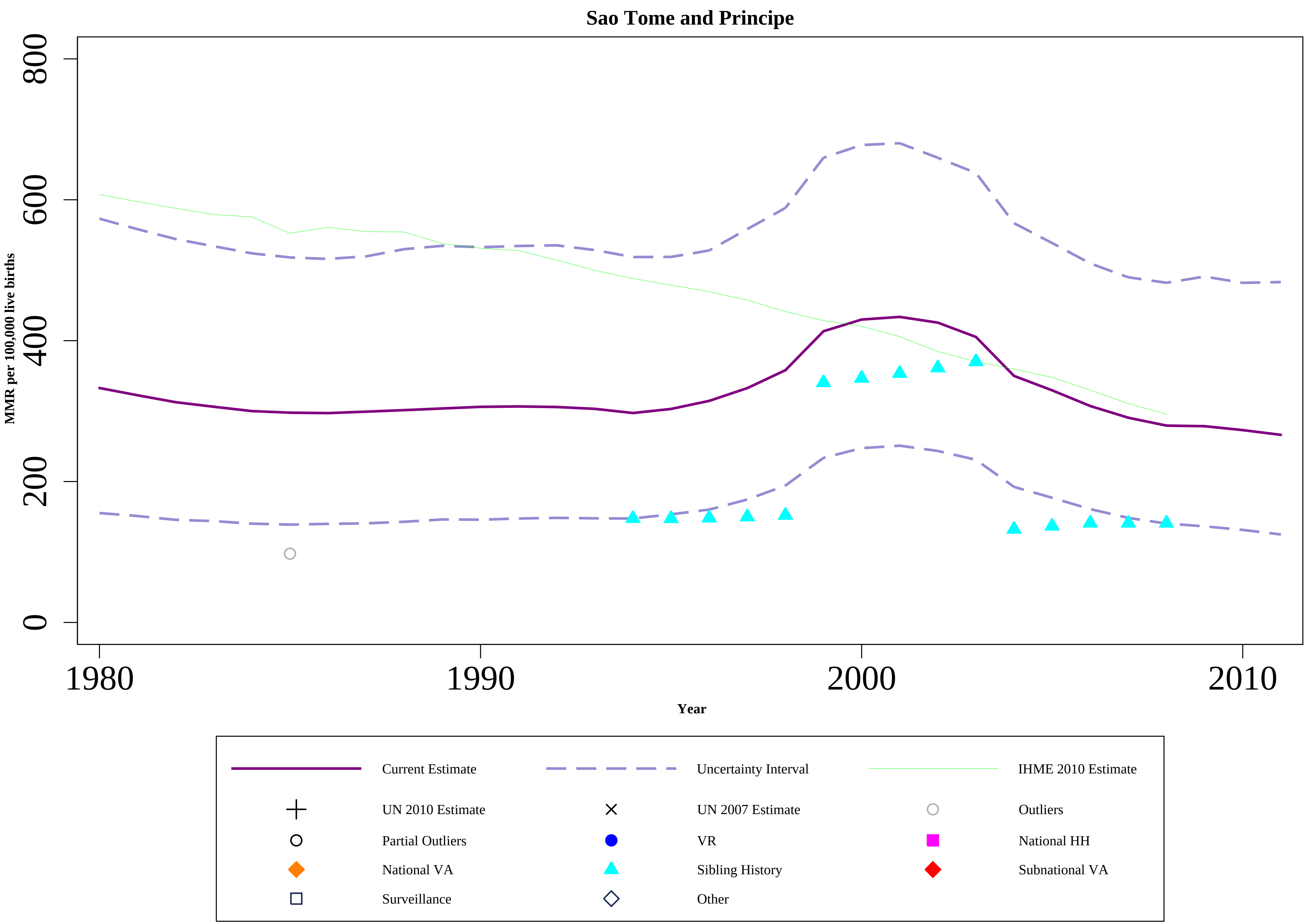
Sao Tome and Principe
MMR per 100,000 live births
0
200
400
600
800
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
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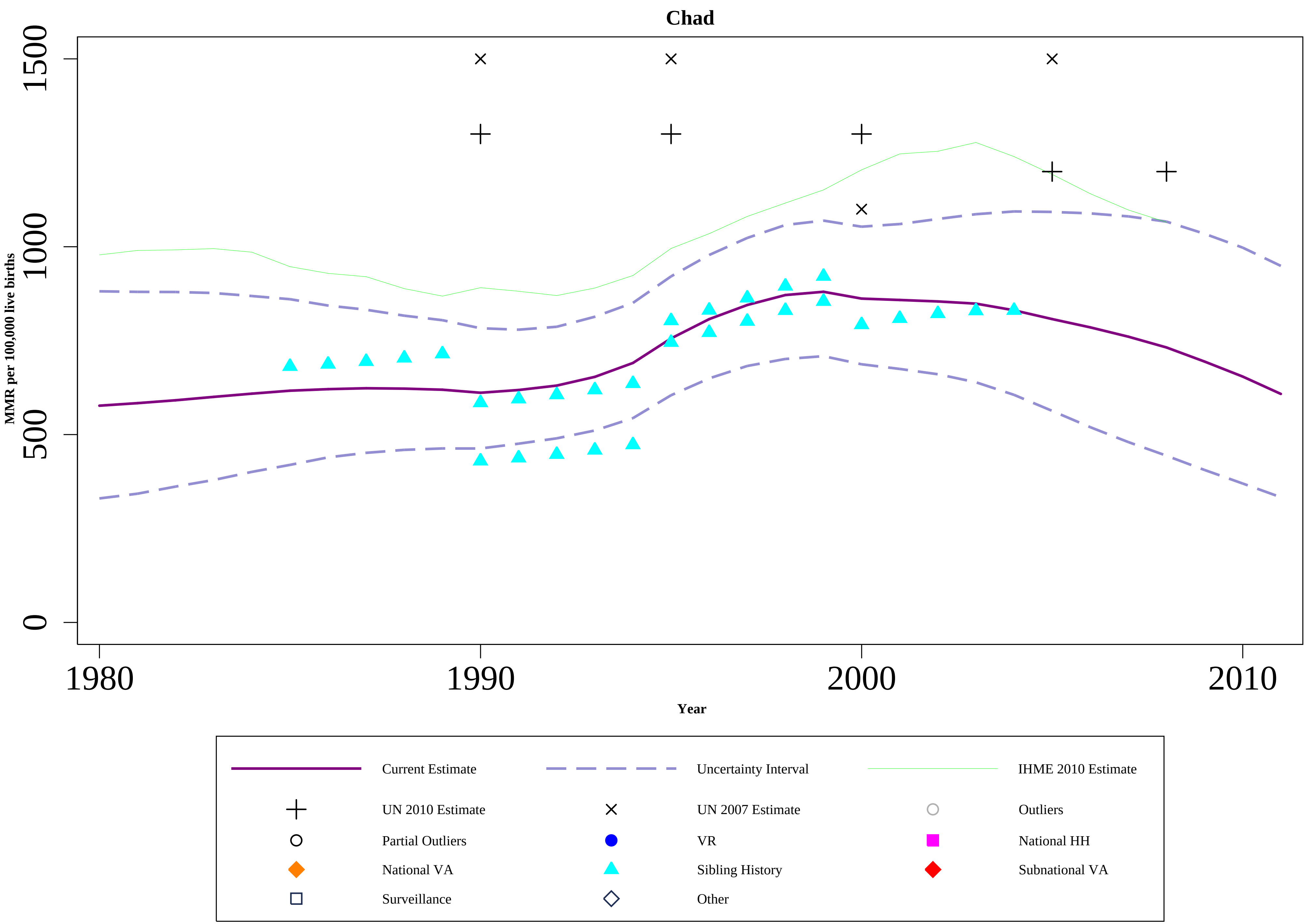
Chad
MMR per 100,000 live births
0
500
1000
1500
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
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Outliers
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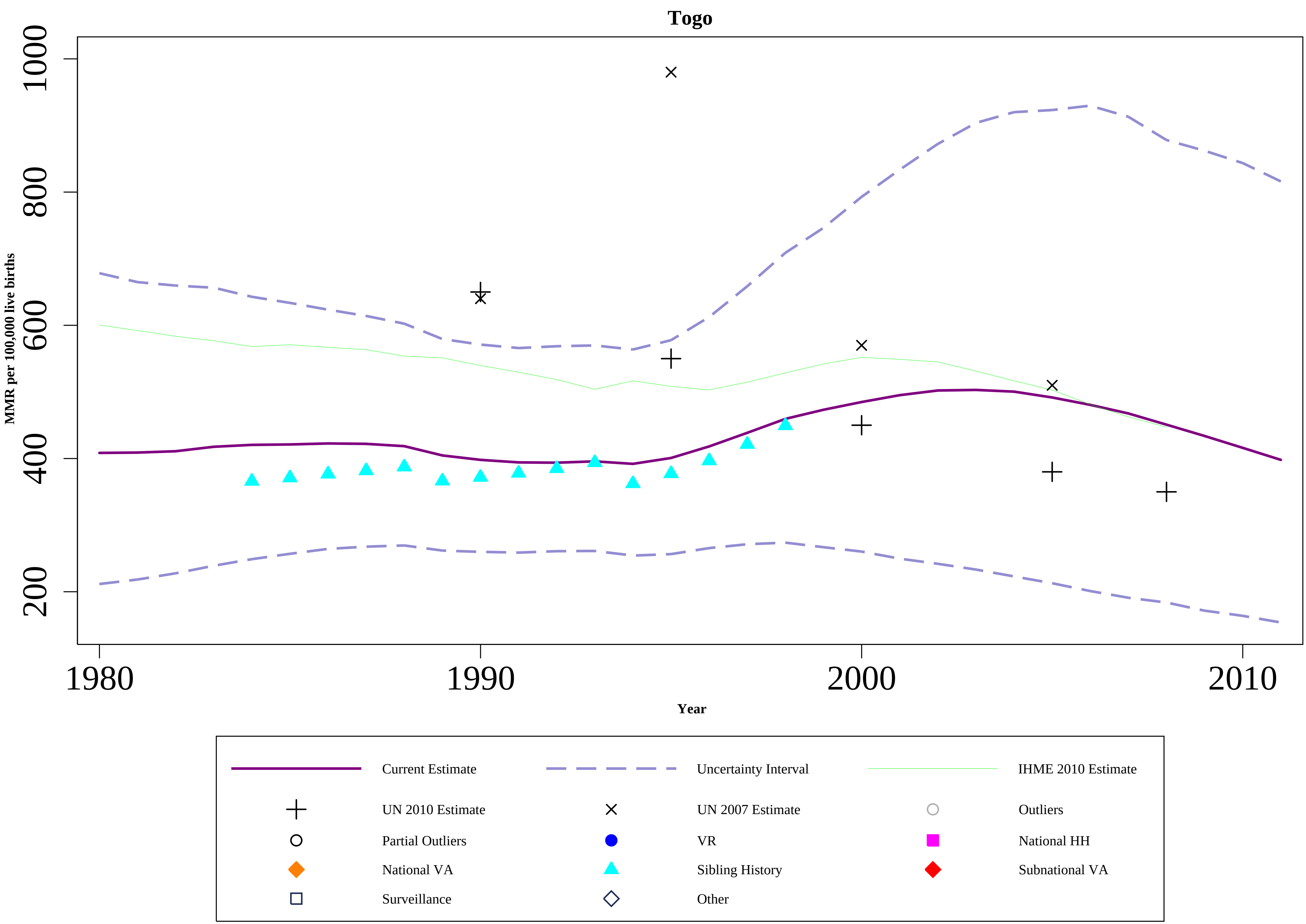
Togo
MMR per 100,000 live births
1000
800
600
400
200
1980
1990
2000
2010
Year
Current Estimate
Uncertainty Interval
IHME 2010 Estimate
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Outliers
Partial Outliers
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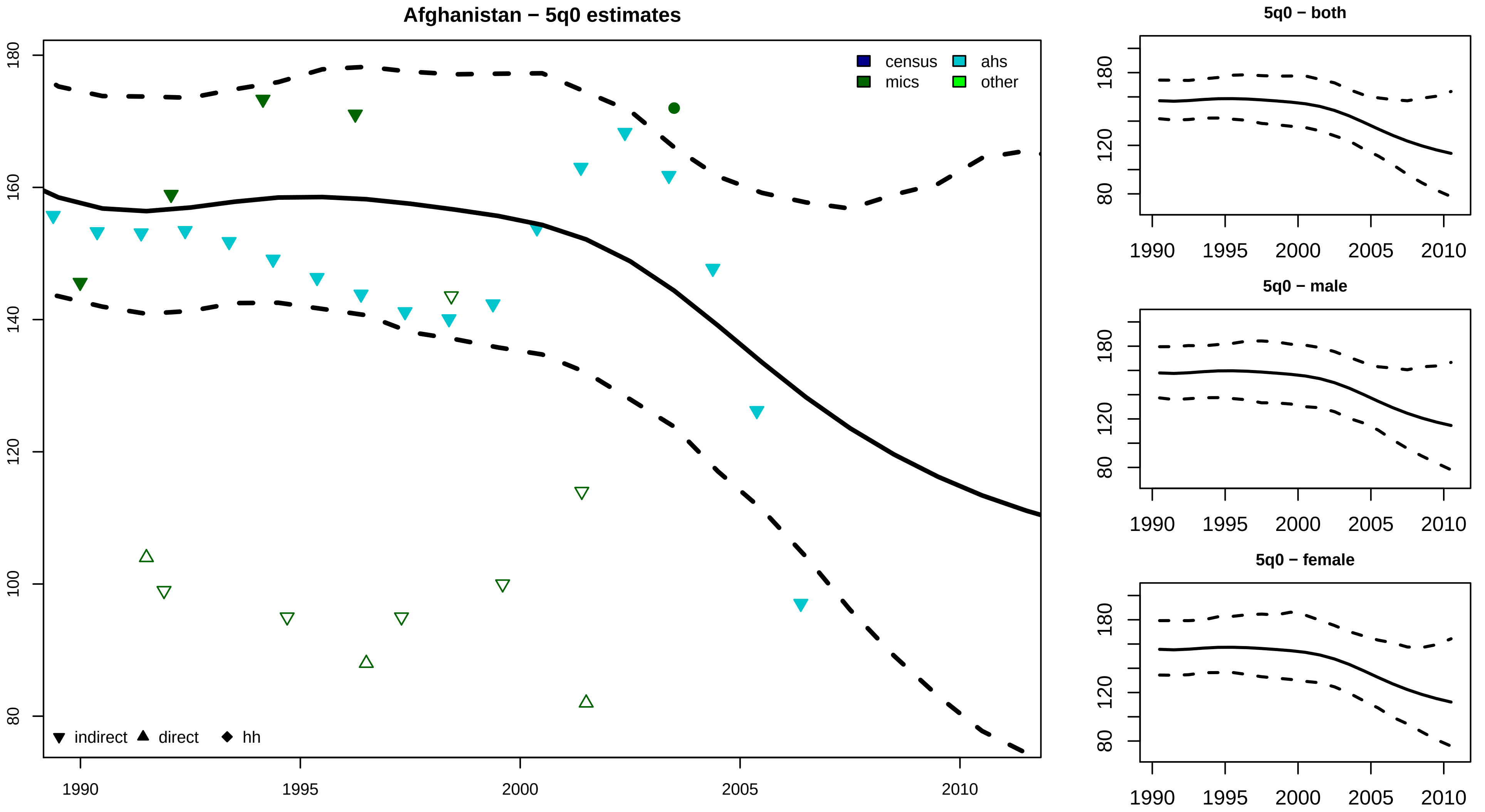
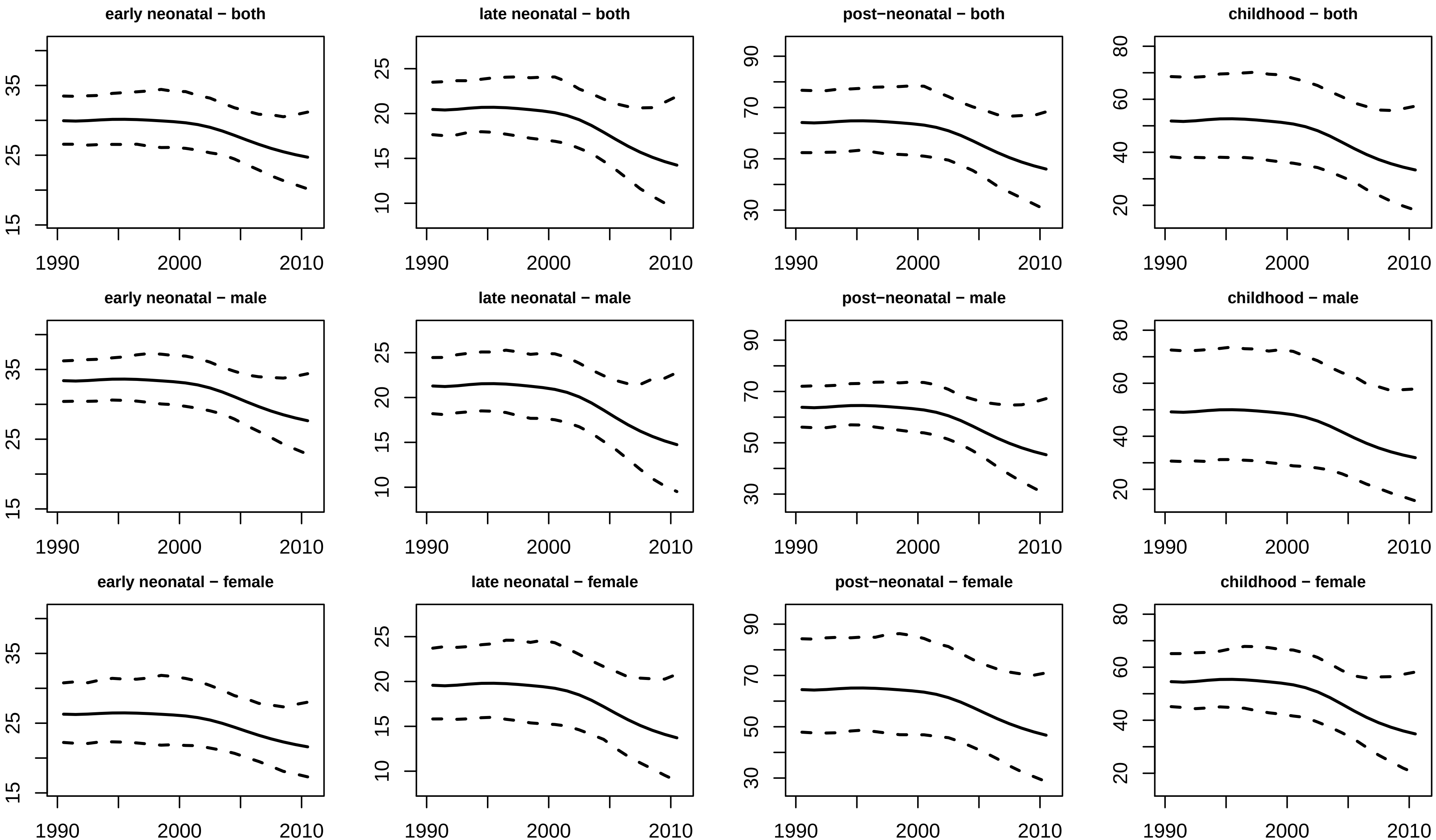
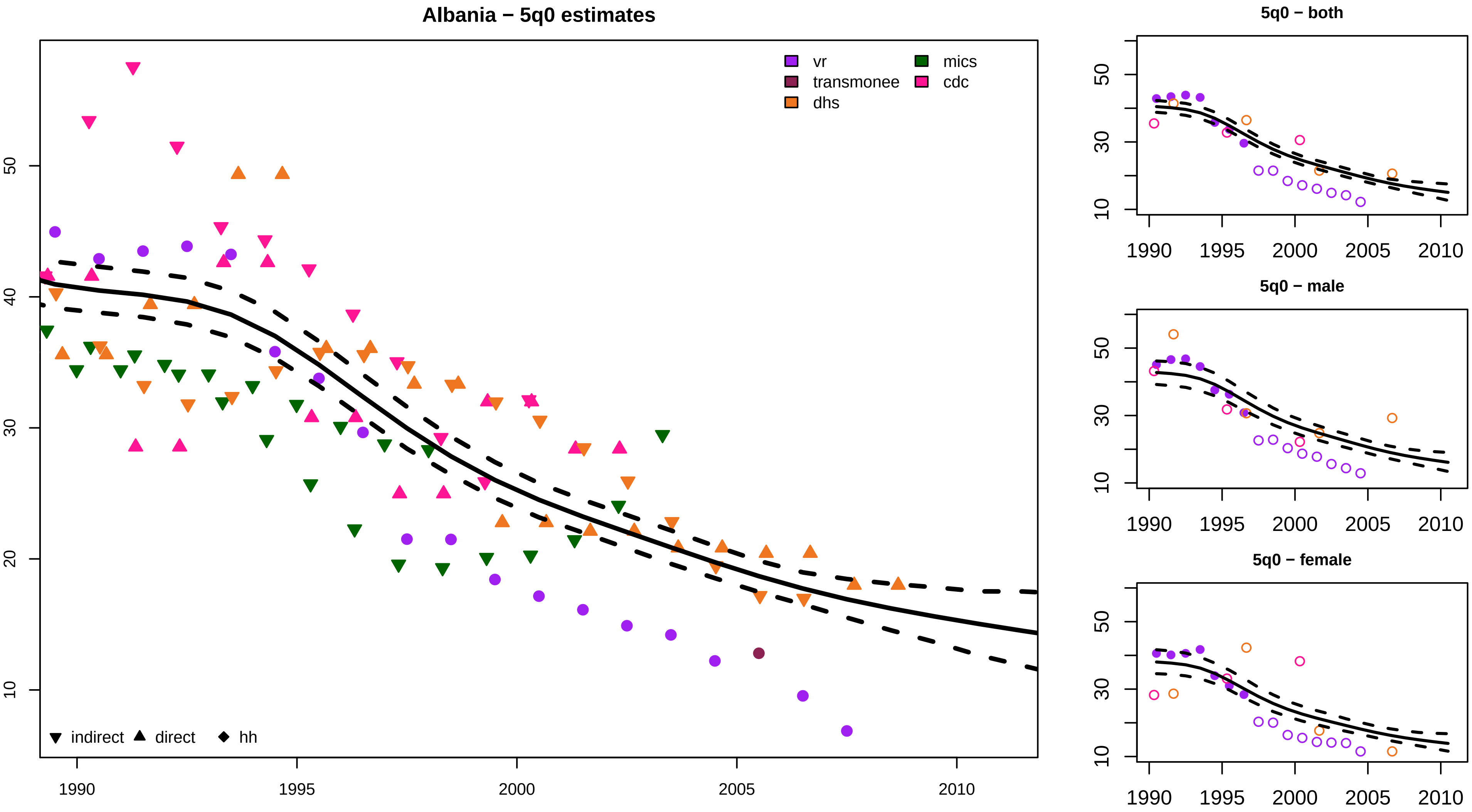
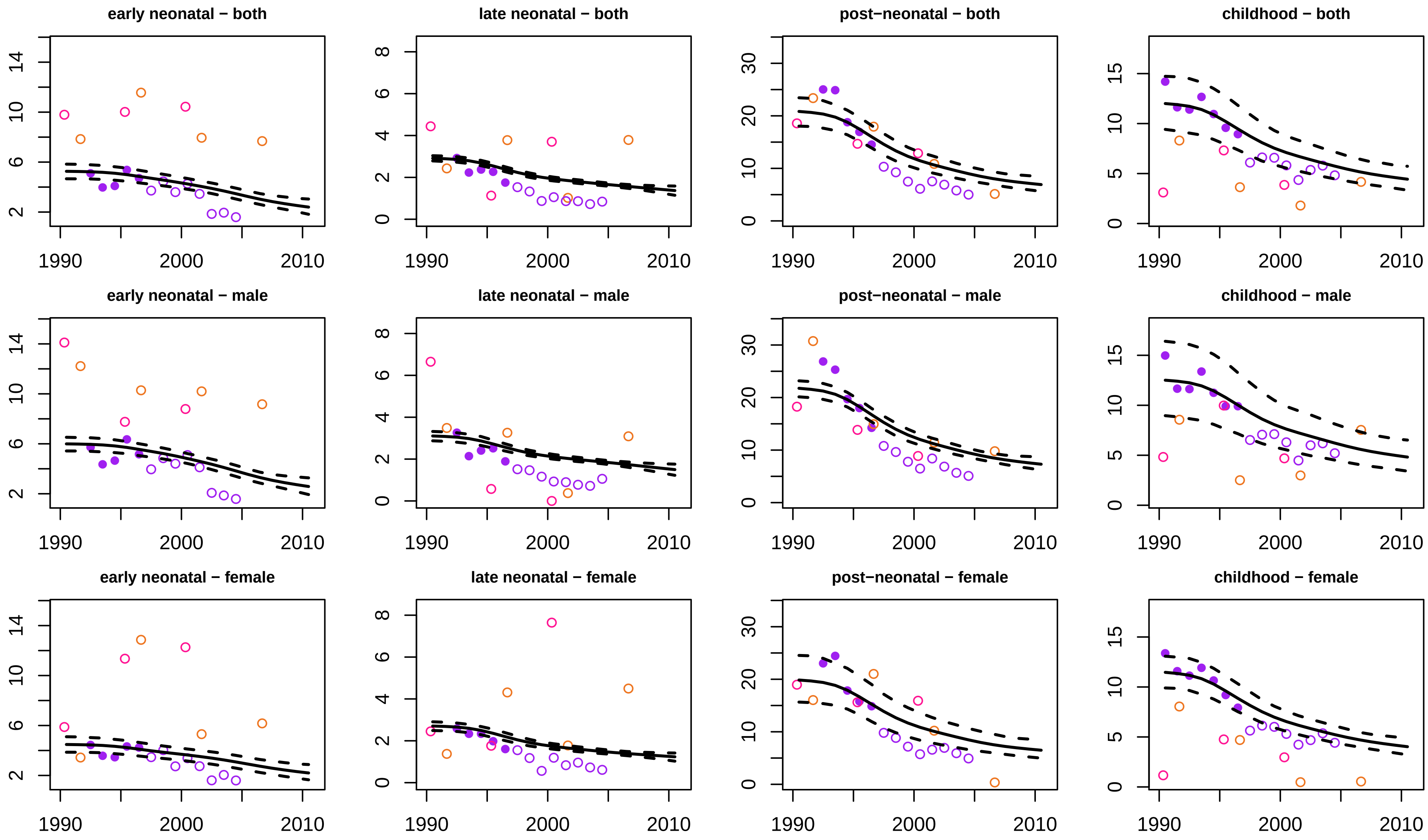


Afghanistan − 5q0 estimates
census
ahs
mics
other
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female

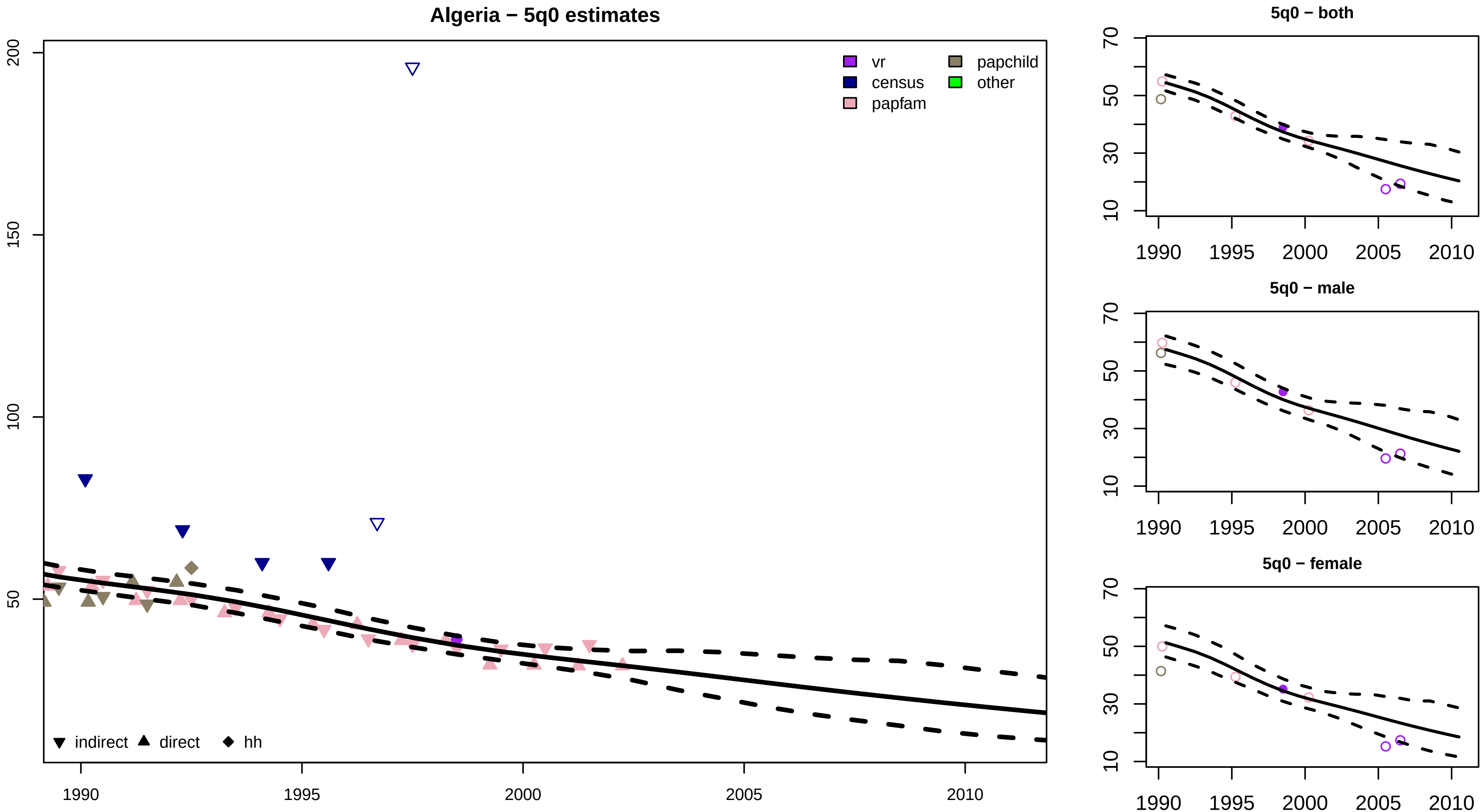

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

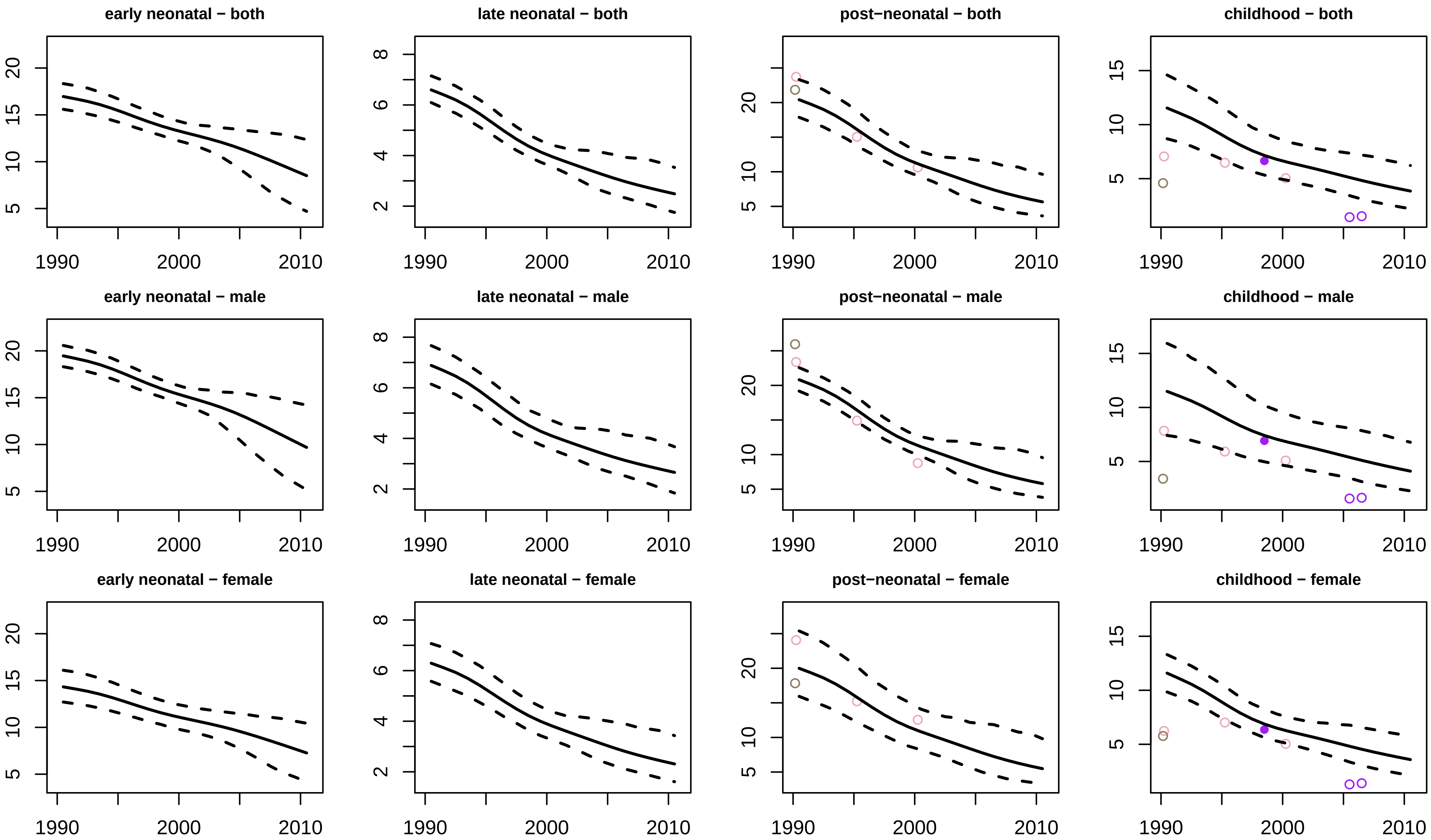


Albania – 5q0 estimates
vr
transmonee
dhs
mics
cdc
indirect
direct
hh
10
20
30
40
50
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female

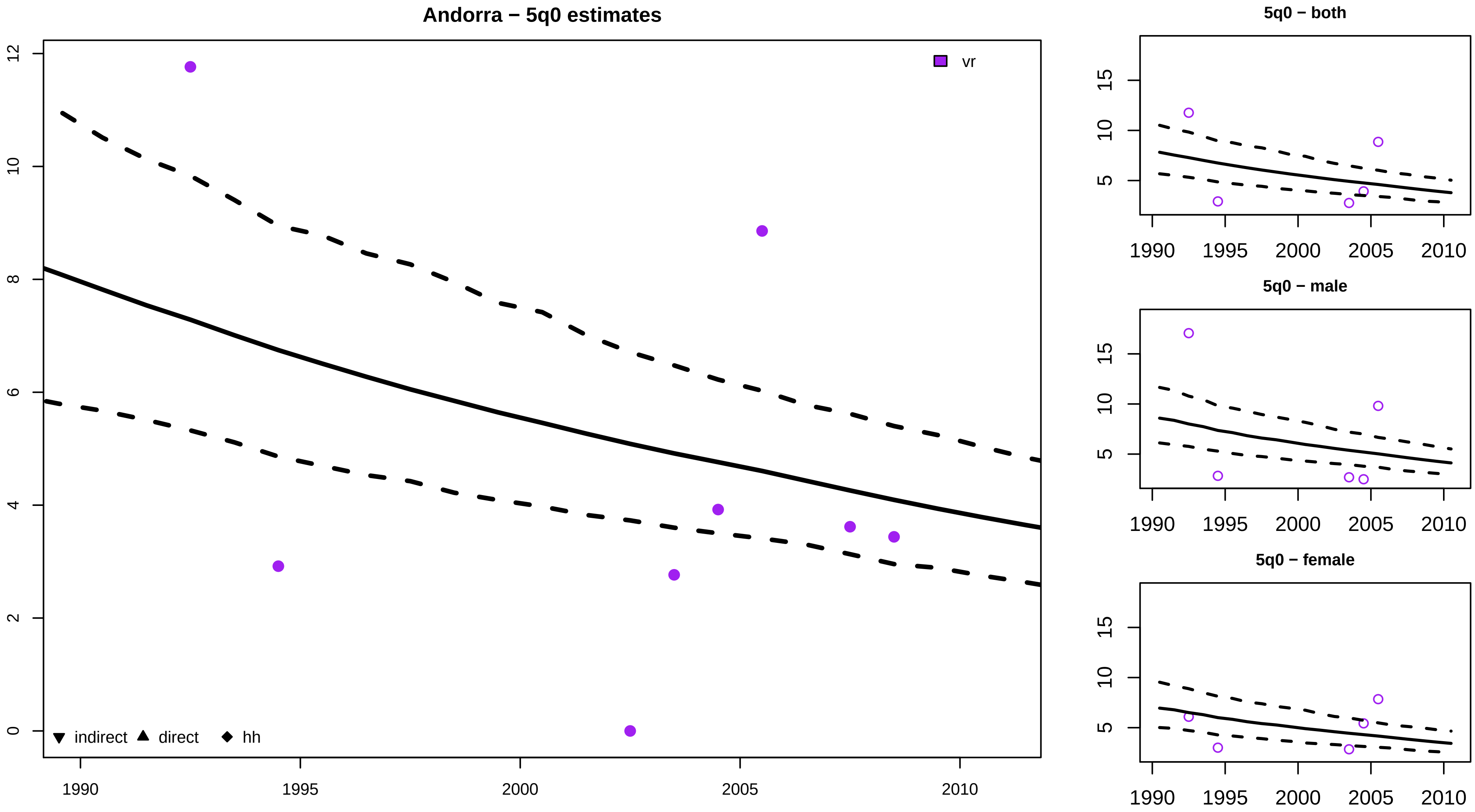


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

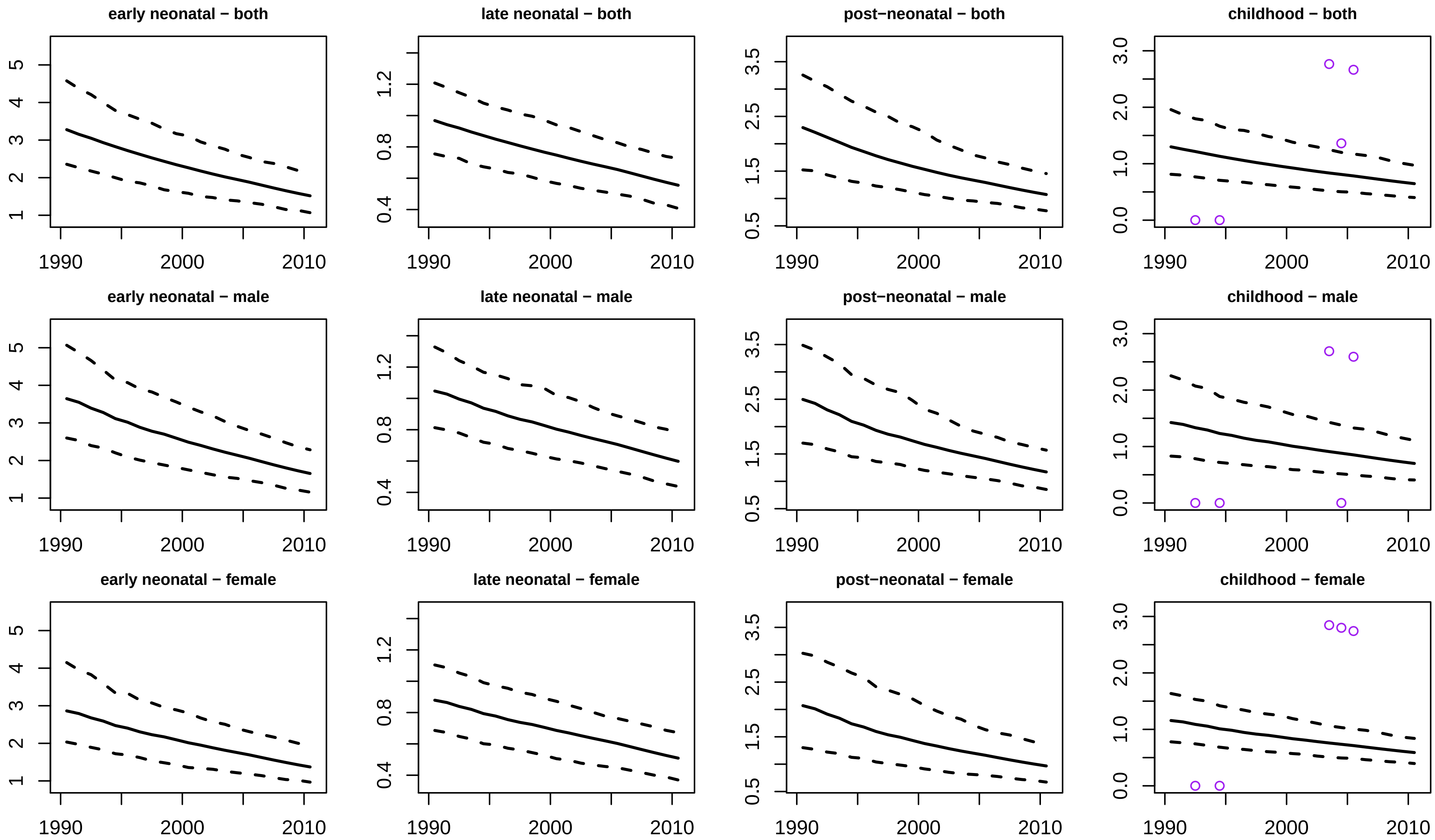

Algeria − 5q0 estimates
vr
census
papfam
papchild
other
indirect
direct
hh
200
150
100
50
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
10
30
50
70



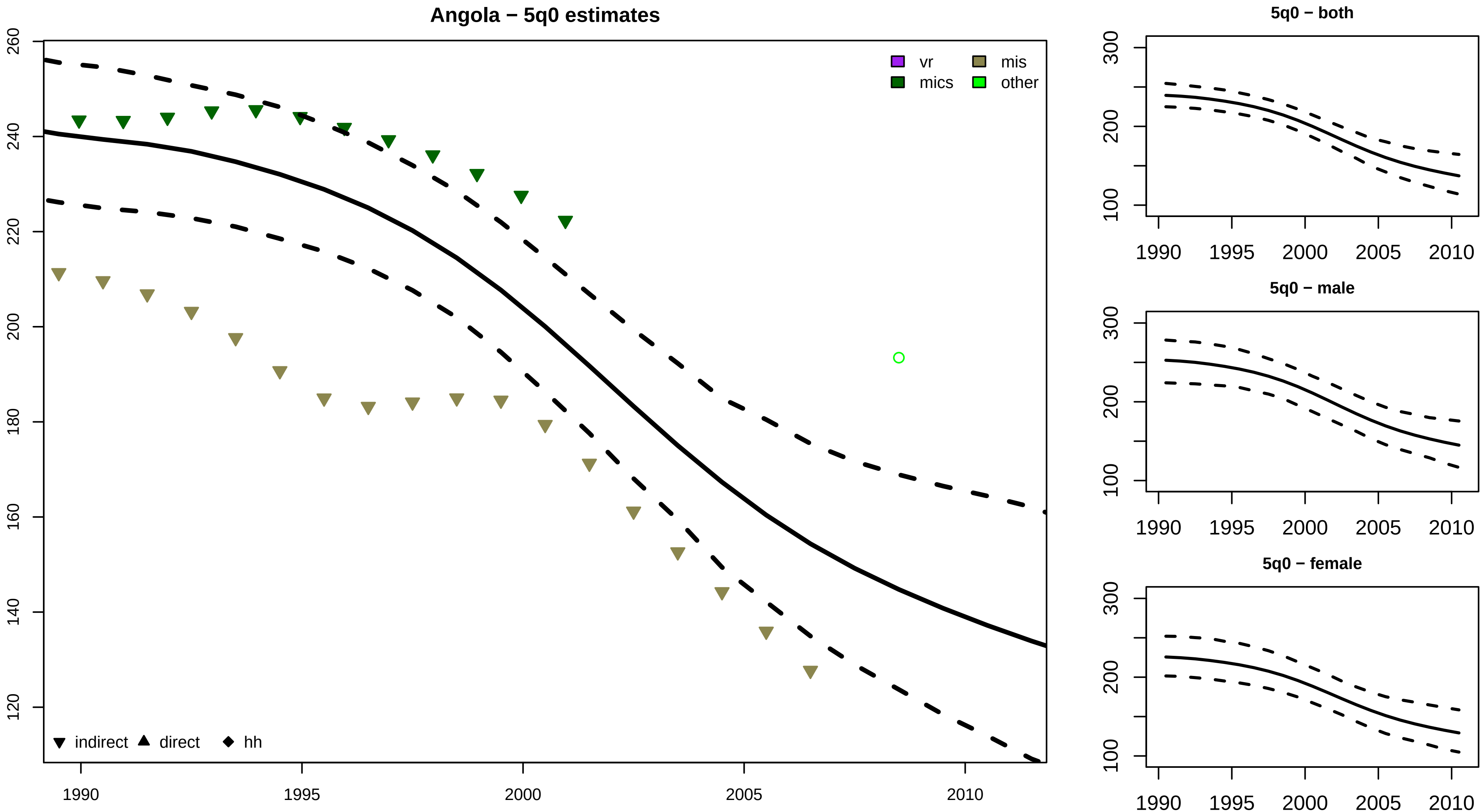
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



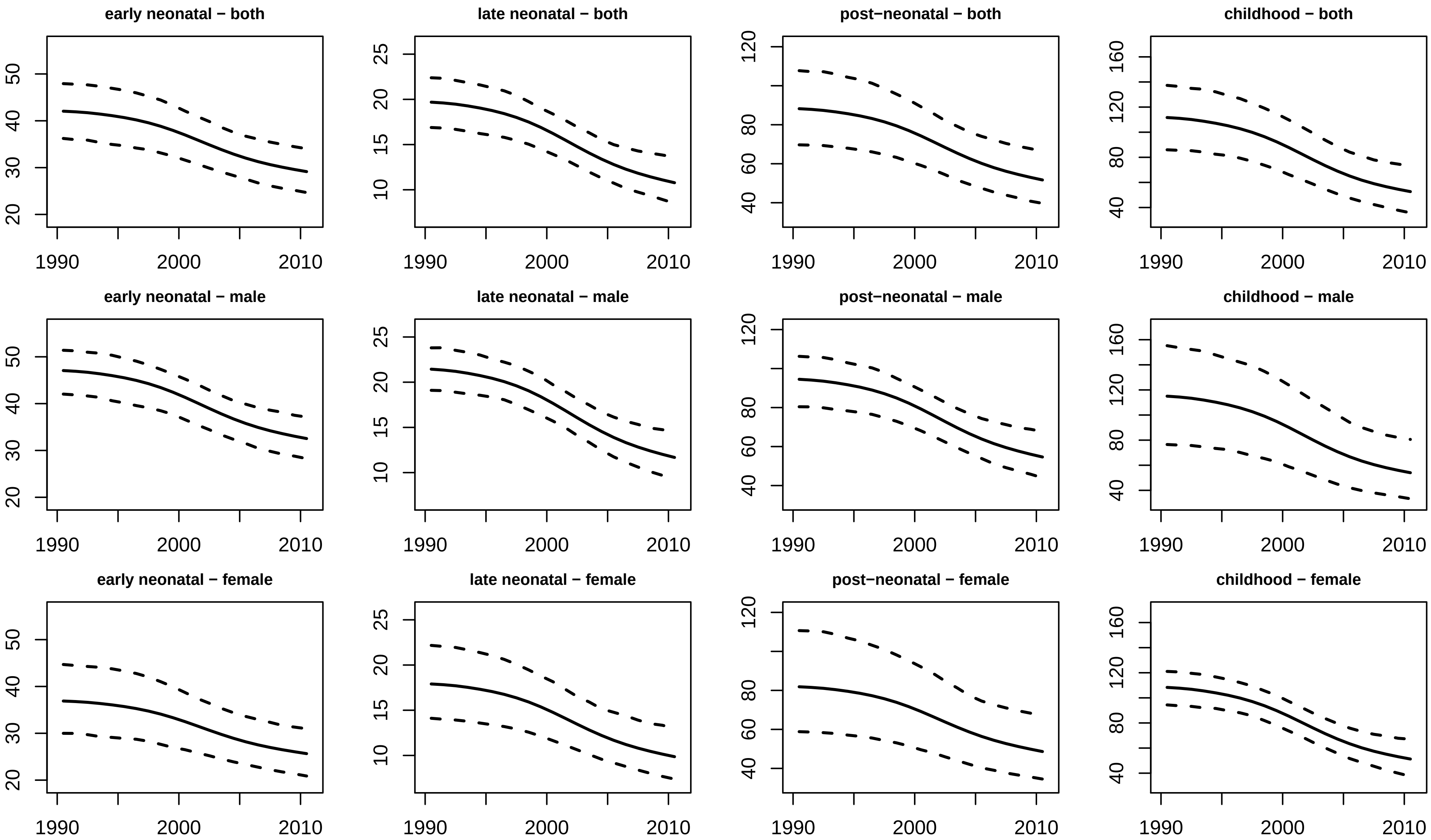
Andorra − 5q0 estimates
vr
indirect
direct
hh
0
2
4
6
8
10
12
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
5
10
15

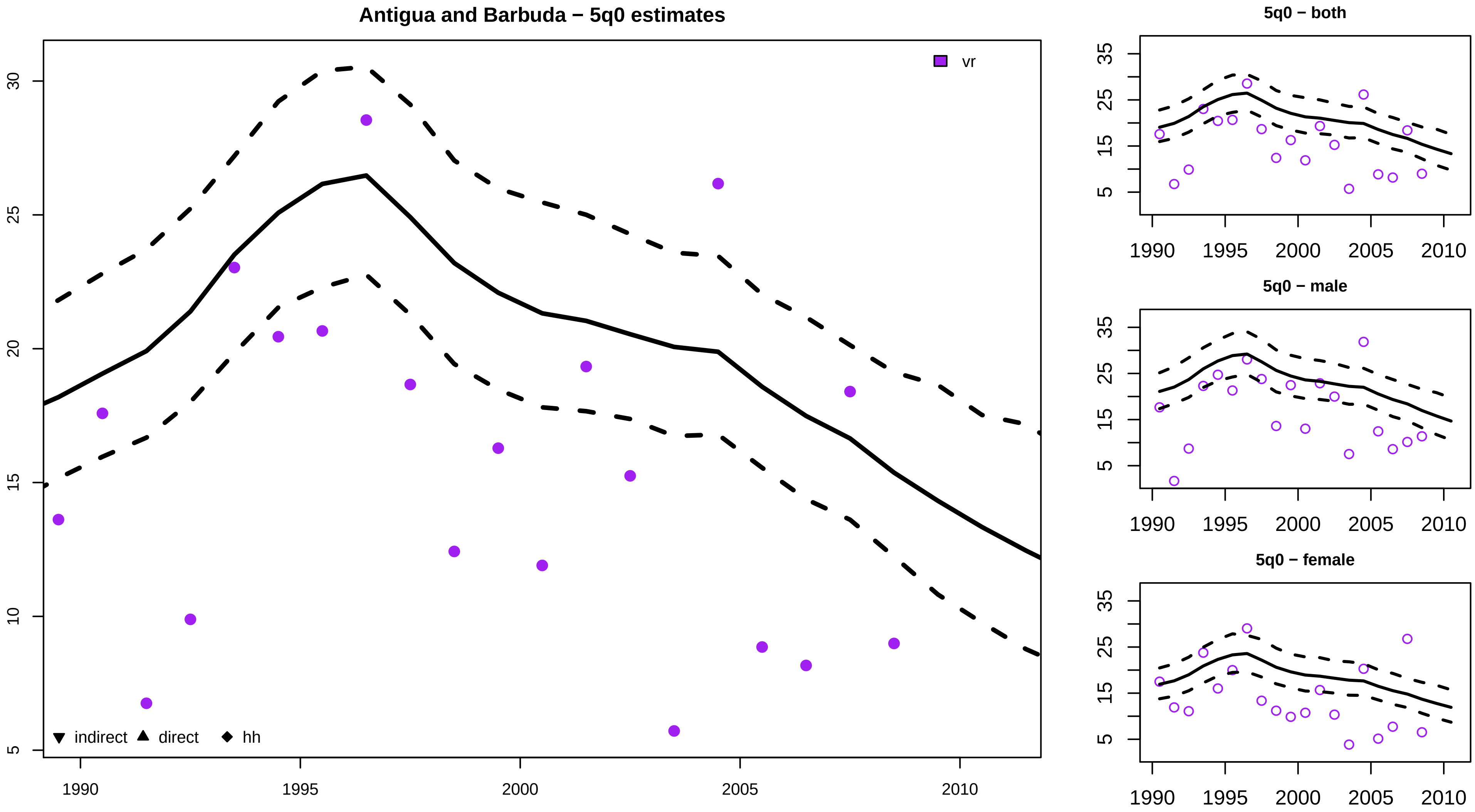


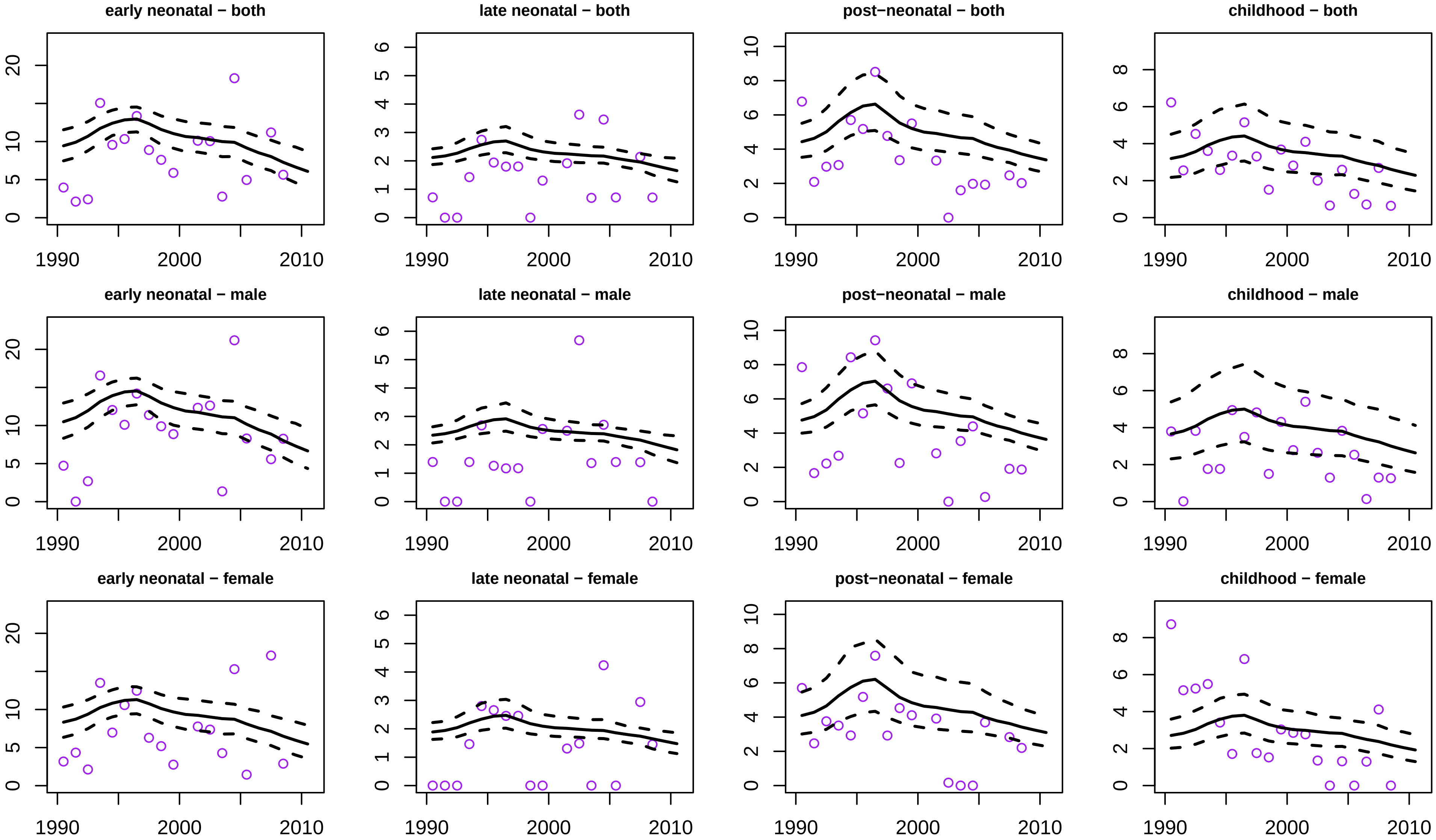
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
1
2
3
4
5
0.4
0.8
1.2
0.5
1.5
2.5
3.5
0.0
1.0
2.0
3.0



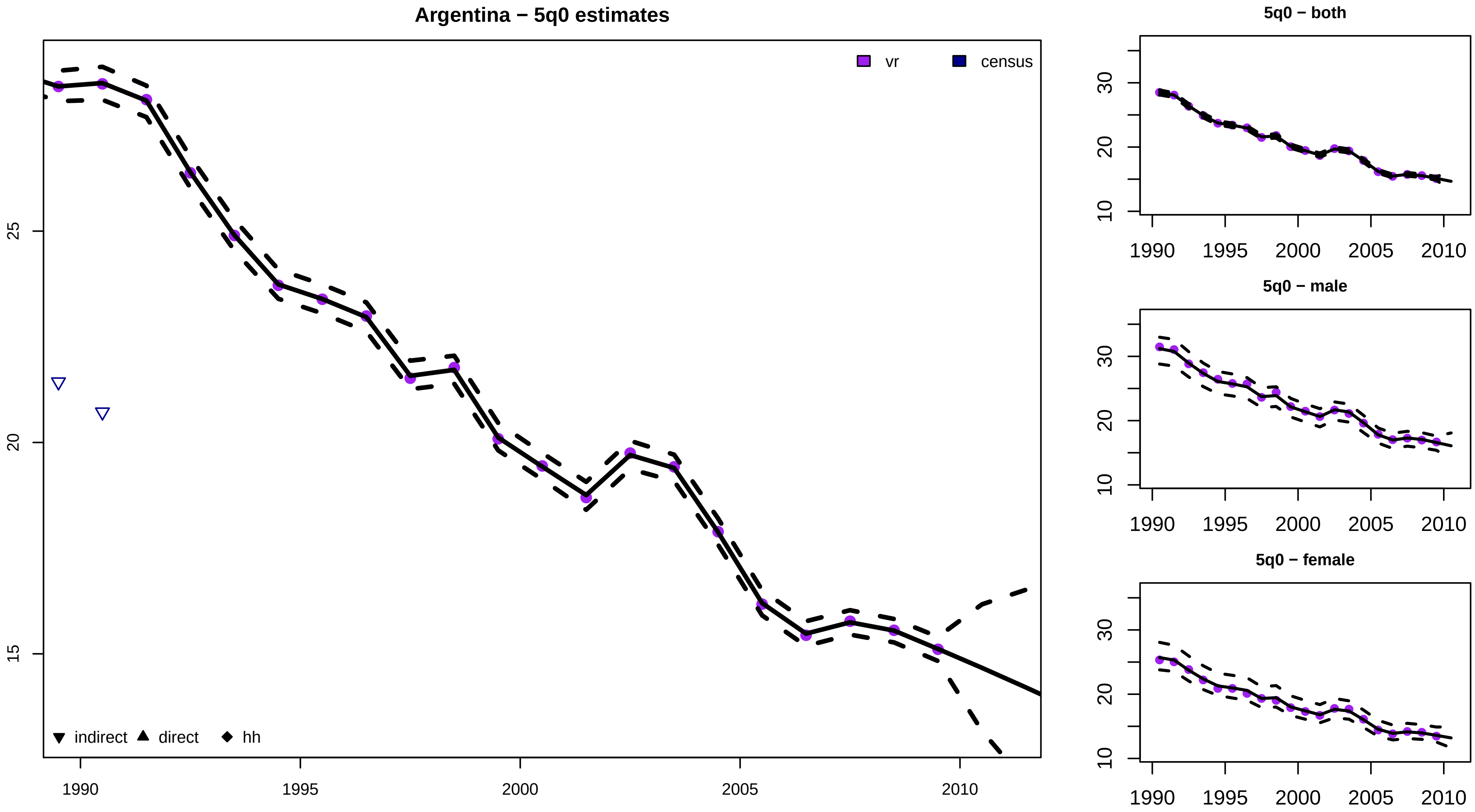
Angola − 5q0 estimates
260
240
220
200
180
160
140
120
1990
1995
2000
2005
2010
vr
mis
mics
other
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female
300
200
100


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
20 30 40 50
10 15 20 25
40 60 80 120
40 80 120 160
1990 2000 2010

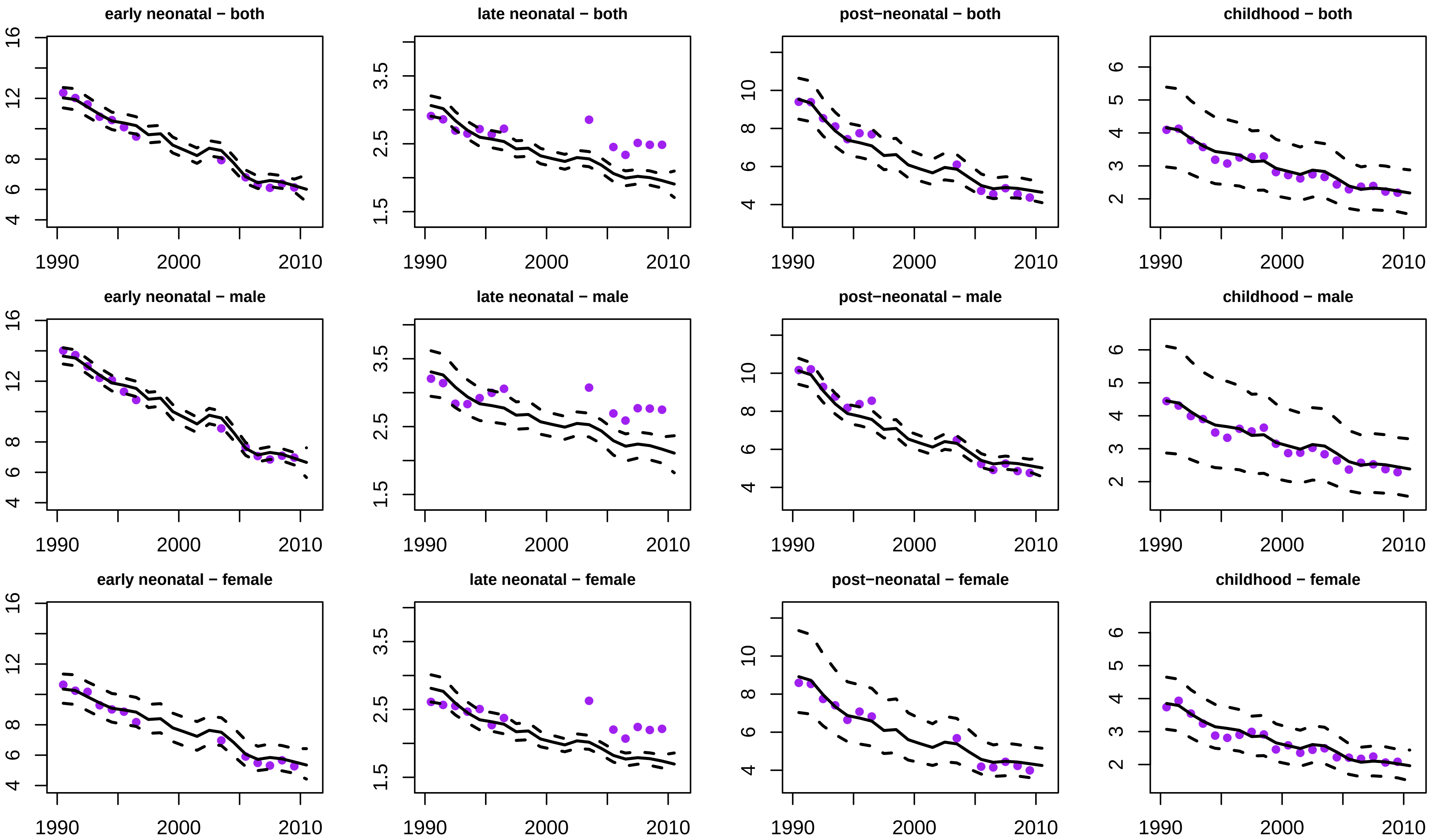

Antigua and Barbuda − 5q0 estimates
vr
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female



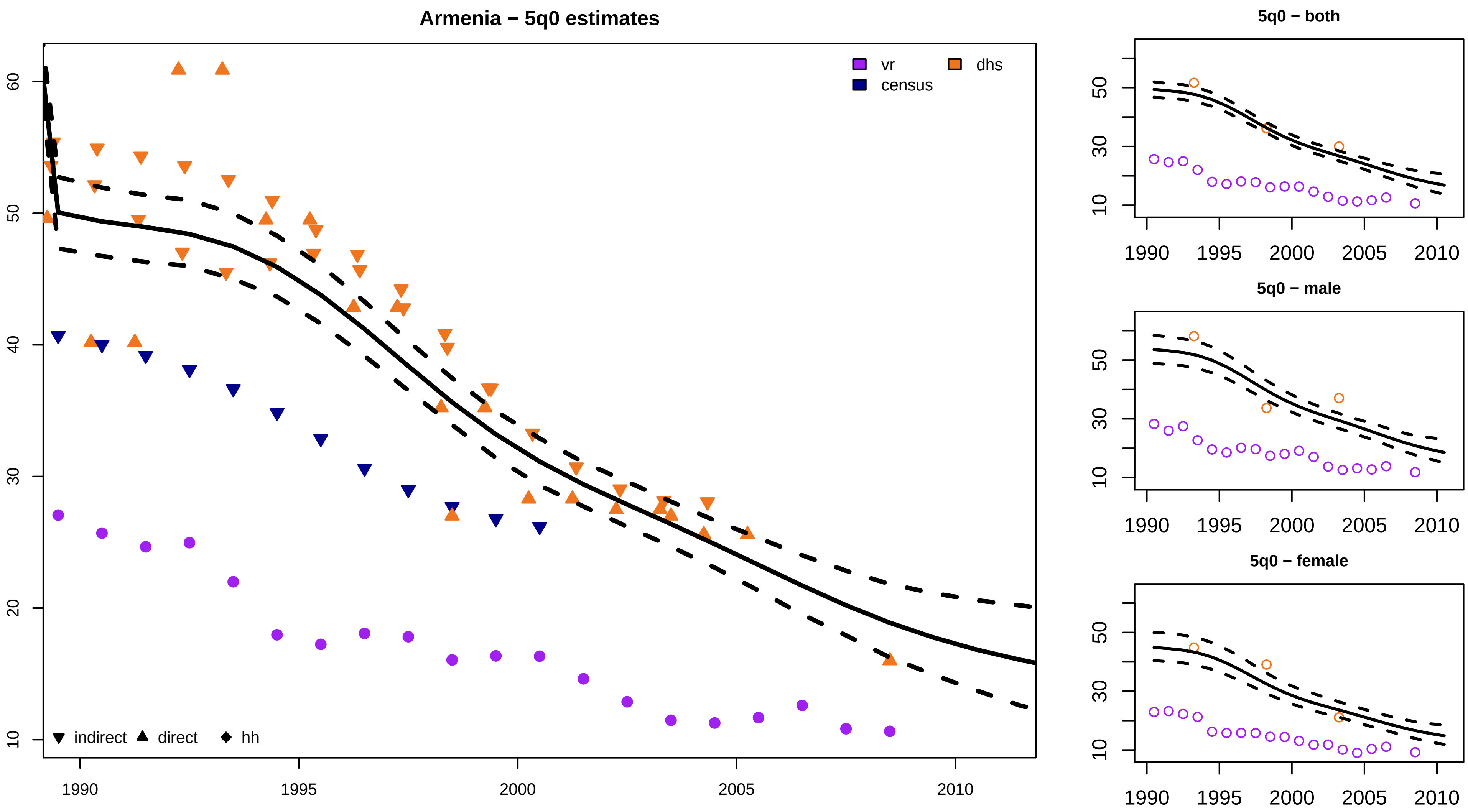
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
0 5 10 20
0 1 2 3 4 5 6
0 2 4 6 8 10
0 2 4 6 8
1990 2000 2010



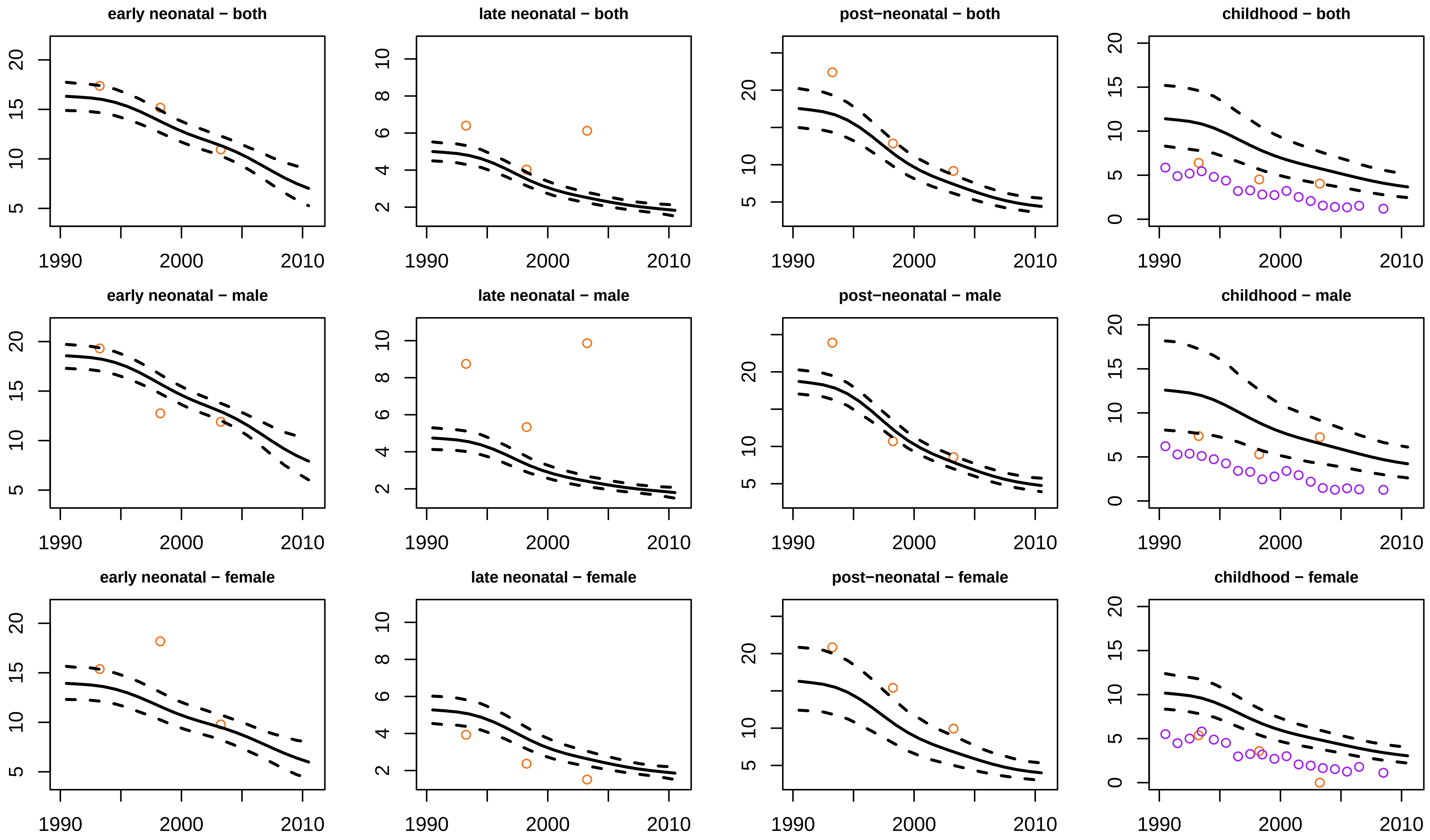
Argentina − 5q0 estimates
vr
census
indirect
direct
hh
25
20
15
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
10
20
30

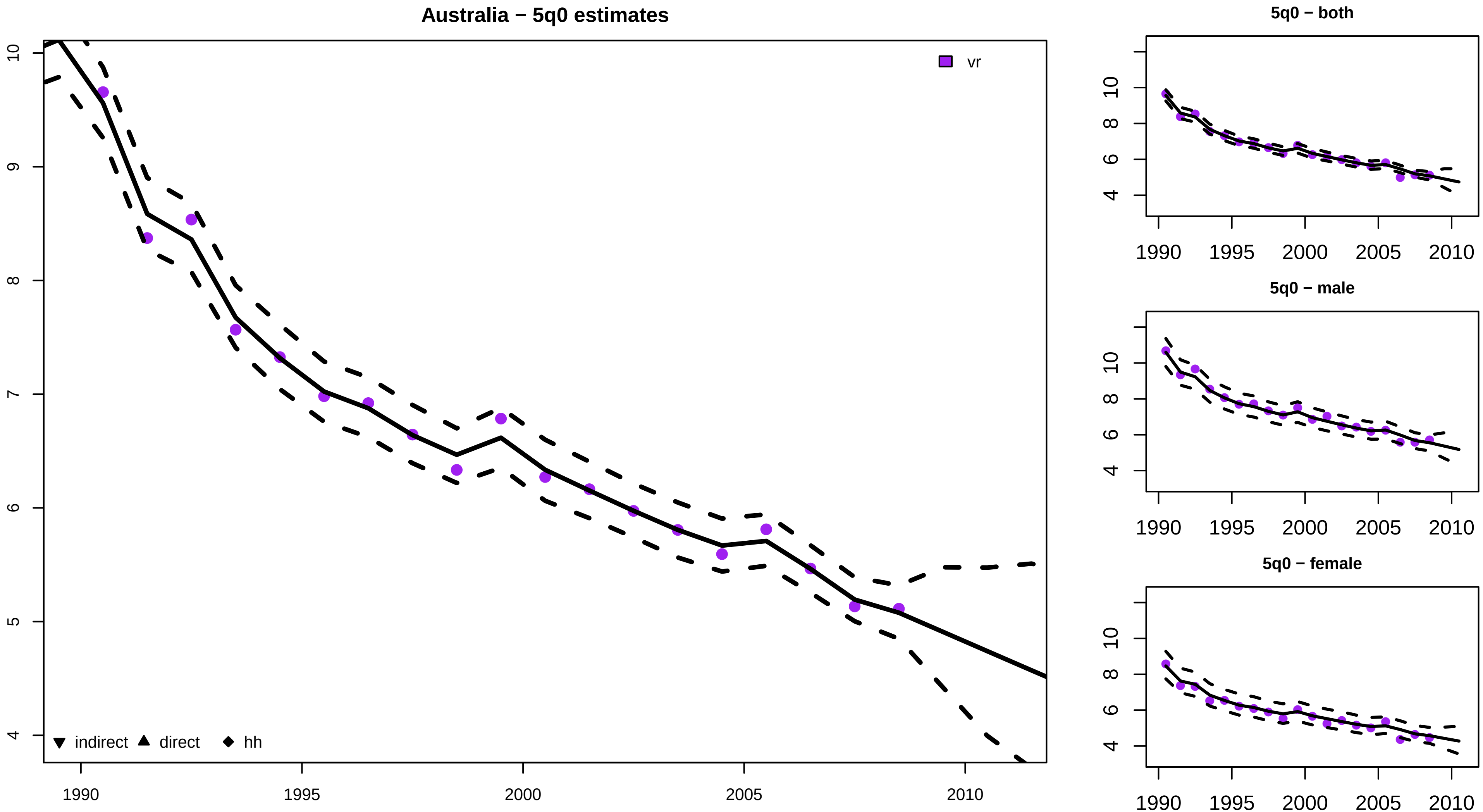


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

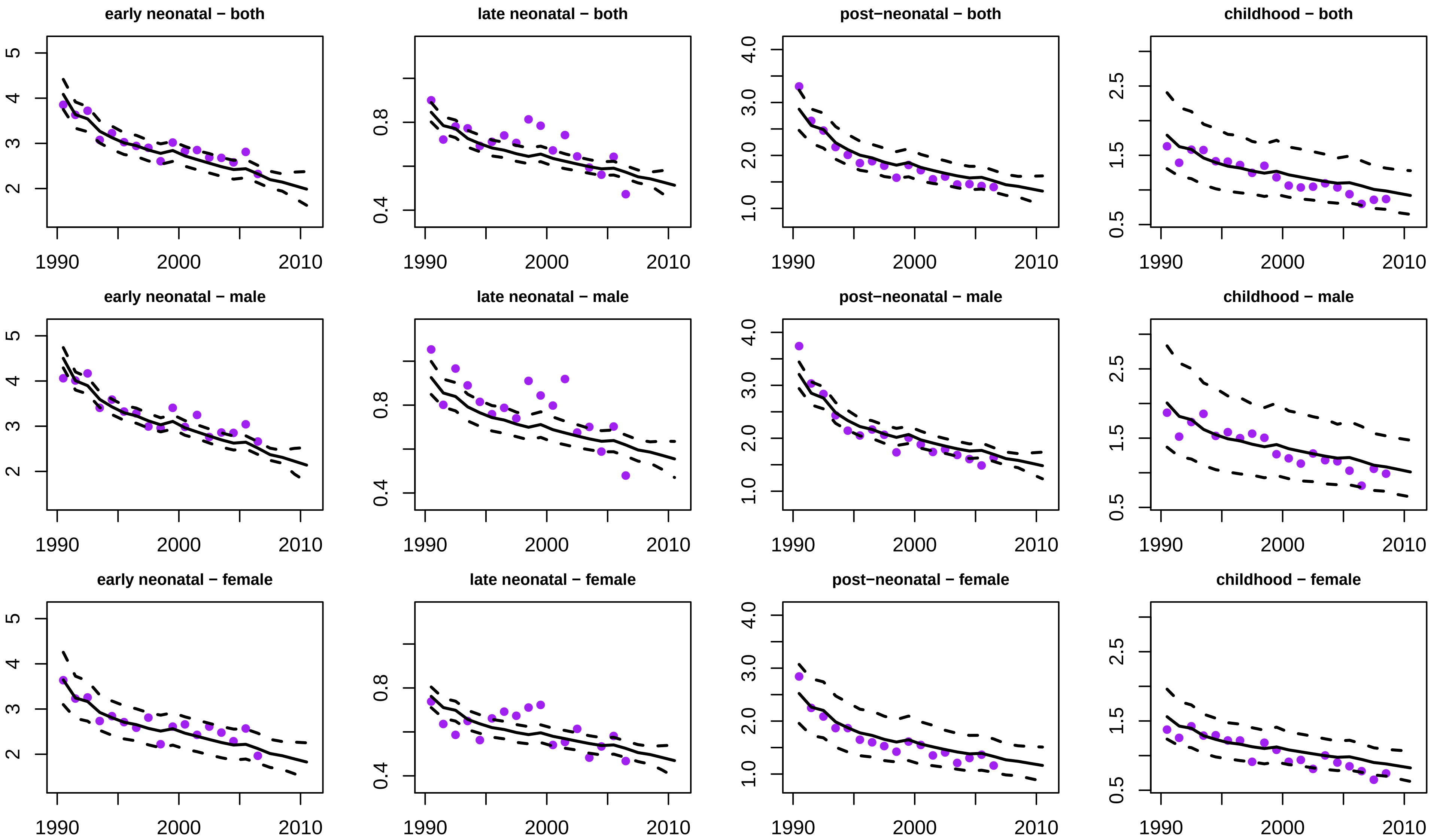


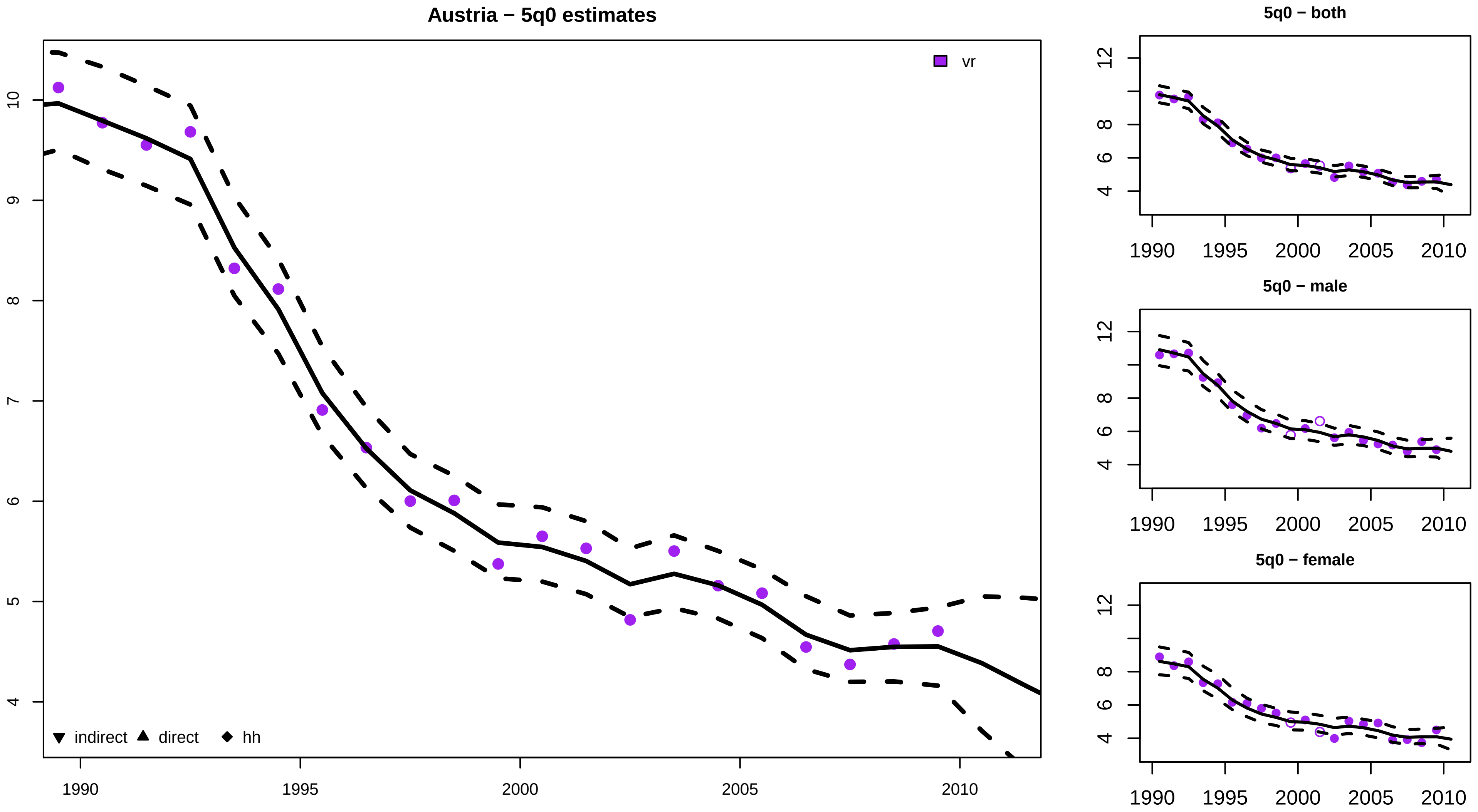
Armenia − 5q0 estimates
vr
dhs
census
indirect
direct
hh
60
50
40
30
20
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

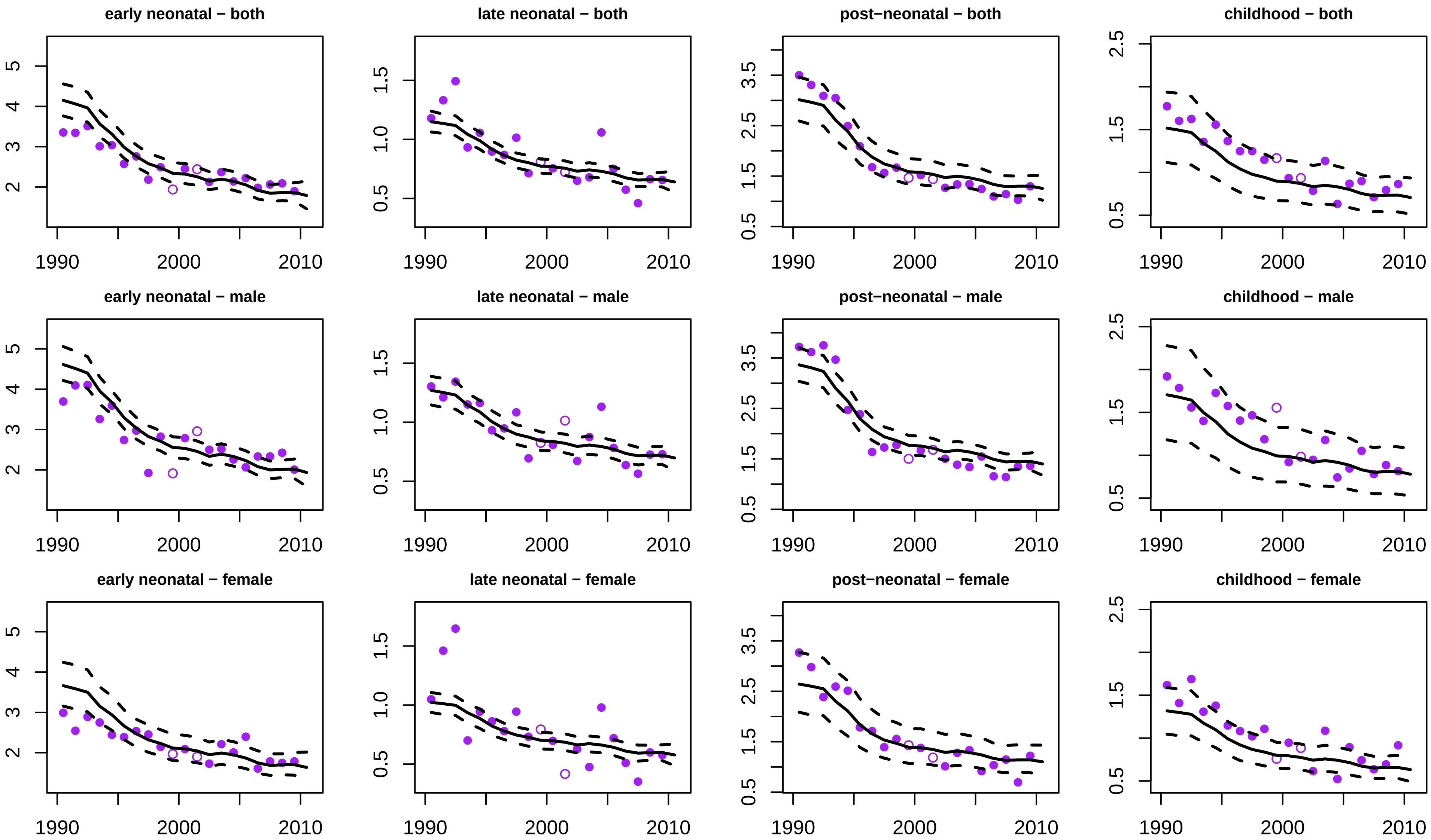


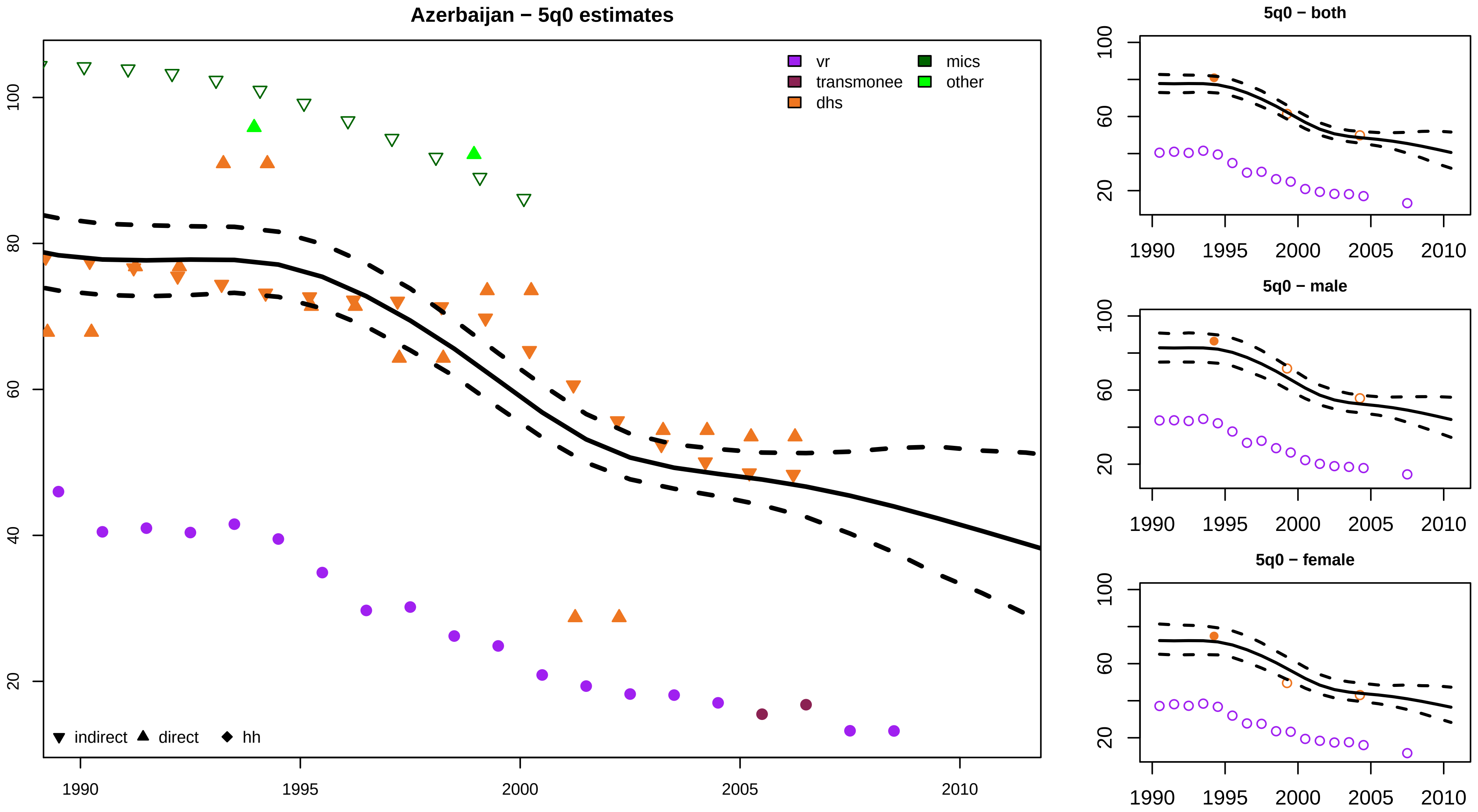
Australia − 5q0 estimates
vr
indirect
direct
hh
4
5
6
7
8
9
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

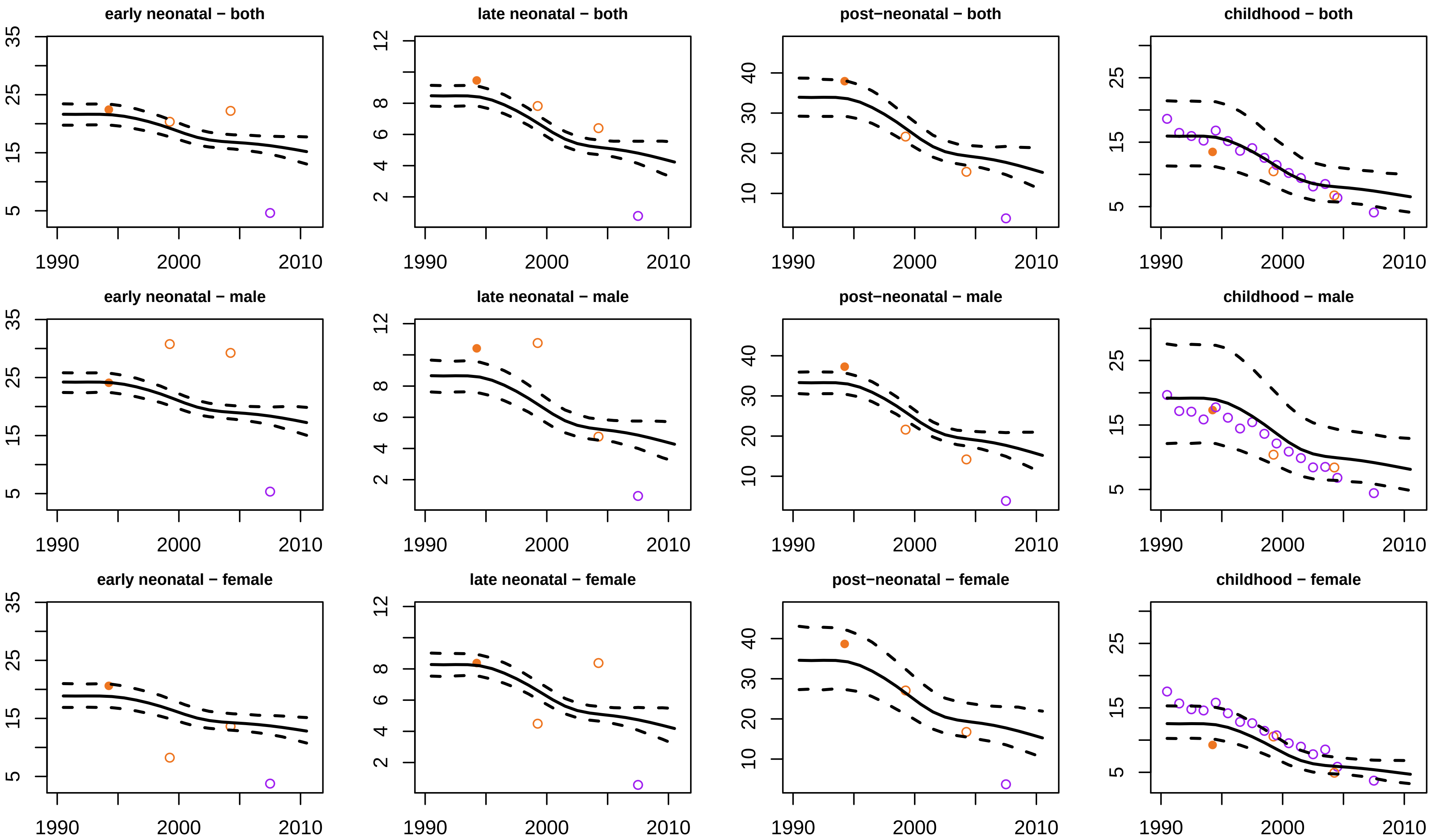


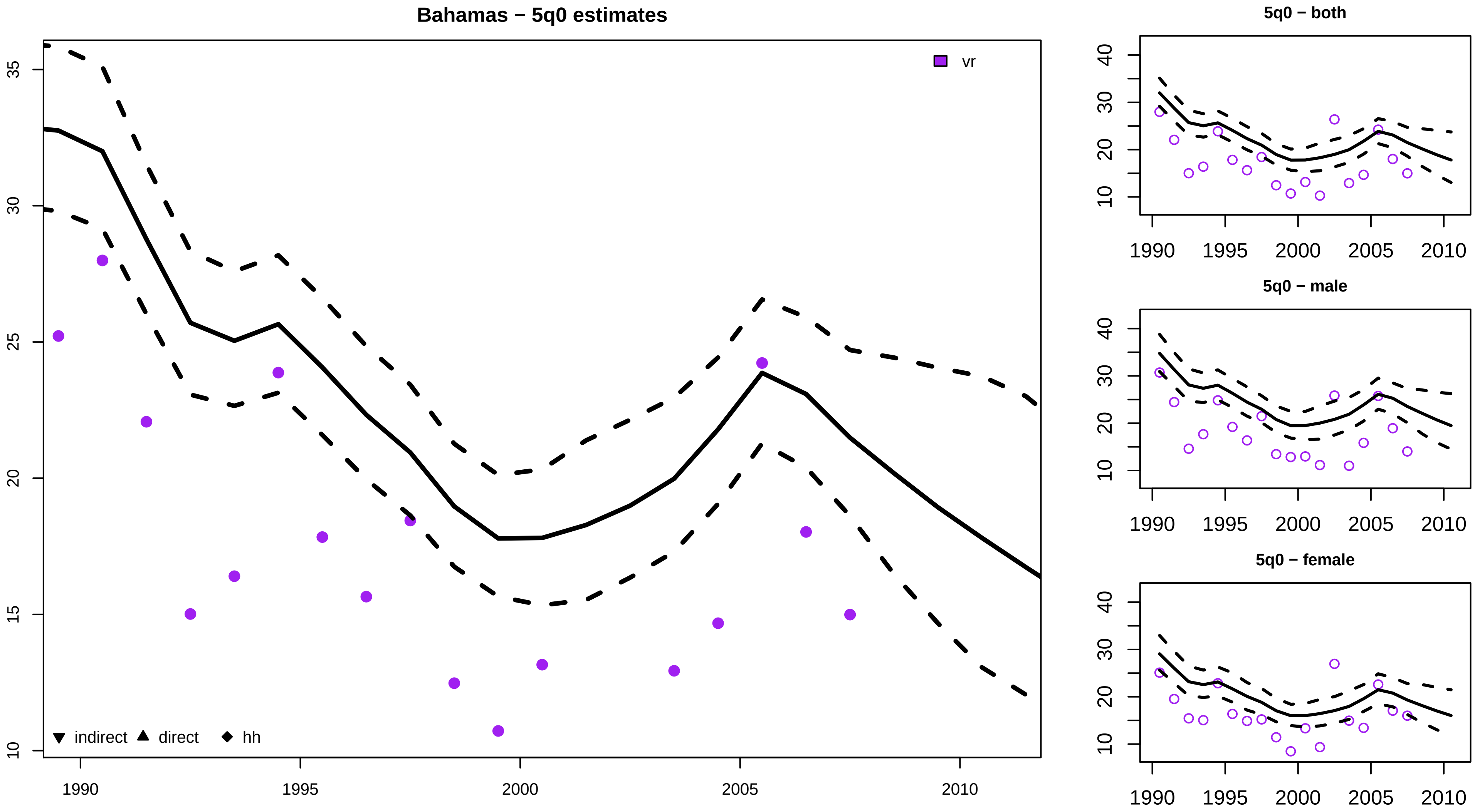
Austria − 5q0 estimates
vr
indirect
direct
hh
10
9
8
7
6
5
4
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
12
8
6
4


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

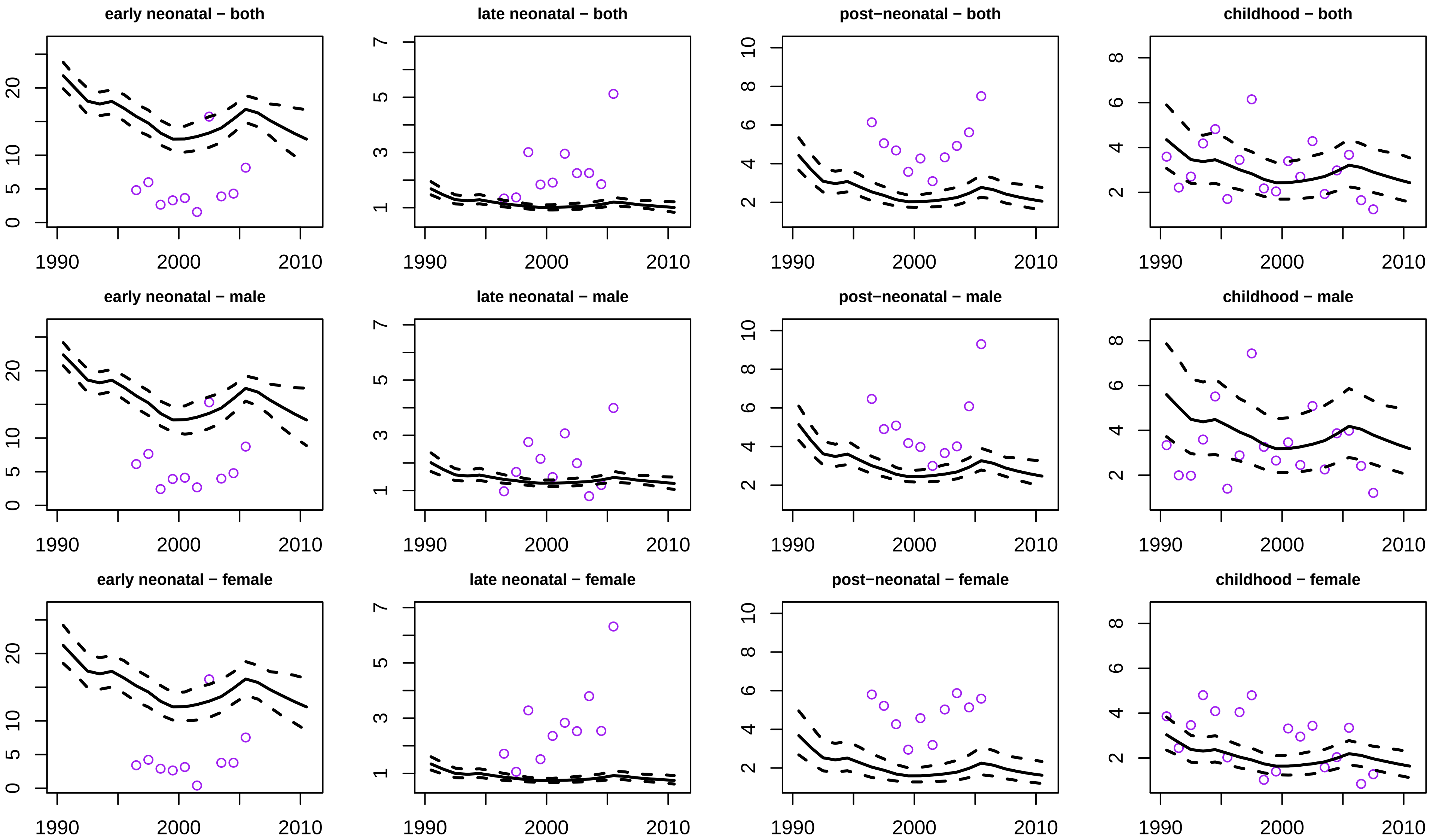


Azerbaijan − 5q0 estimates
vr
transmonee
dhs
mics
other
indirect
direct
hh
100
80
60
40
20
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

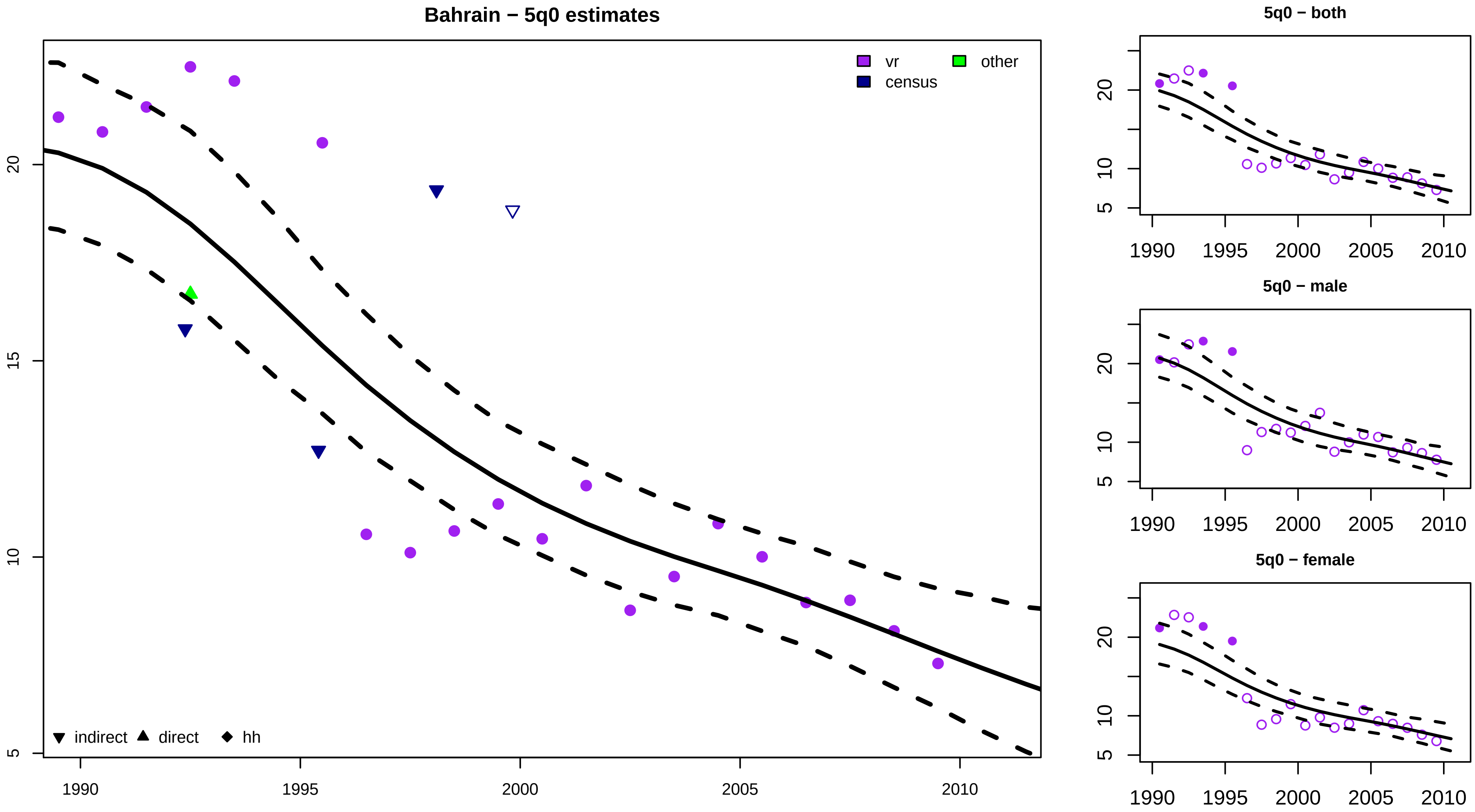

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
5
15
25
35
2
4
6
8
12
10
20
30
40



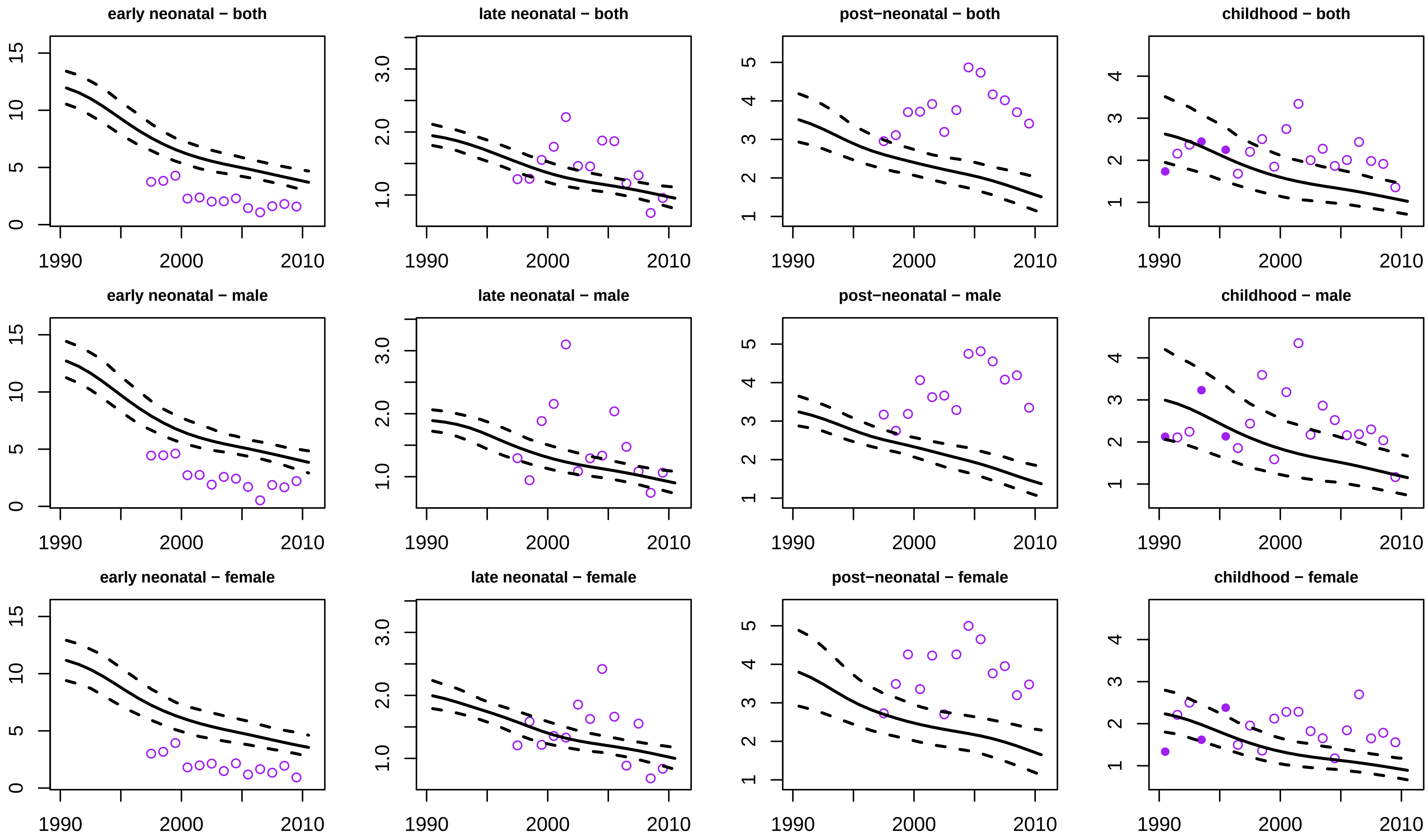
Bahamas − 5q0 estimates
vr
indirect
direct
hh
10
15
20
25
30
35
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female



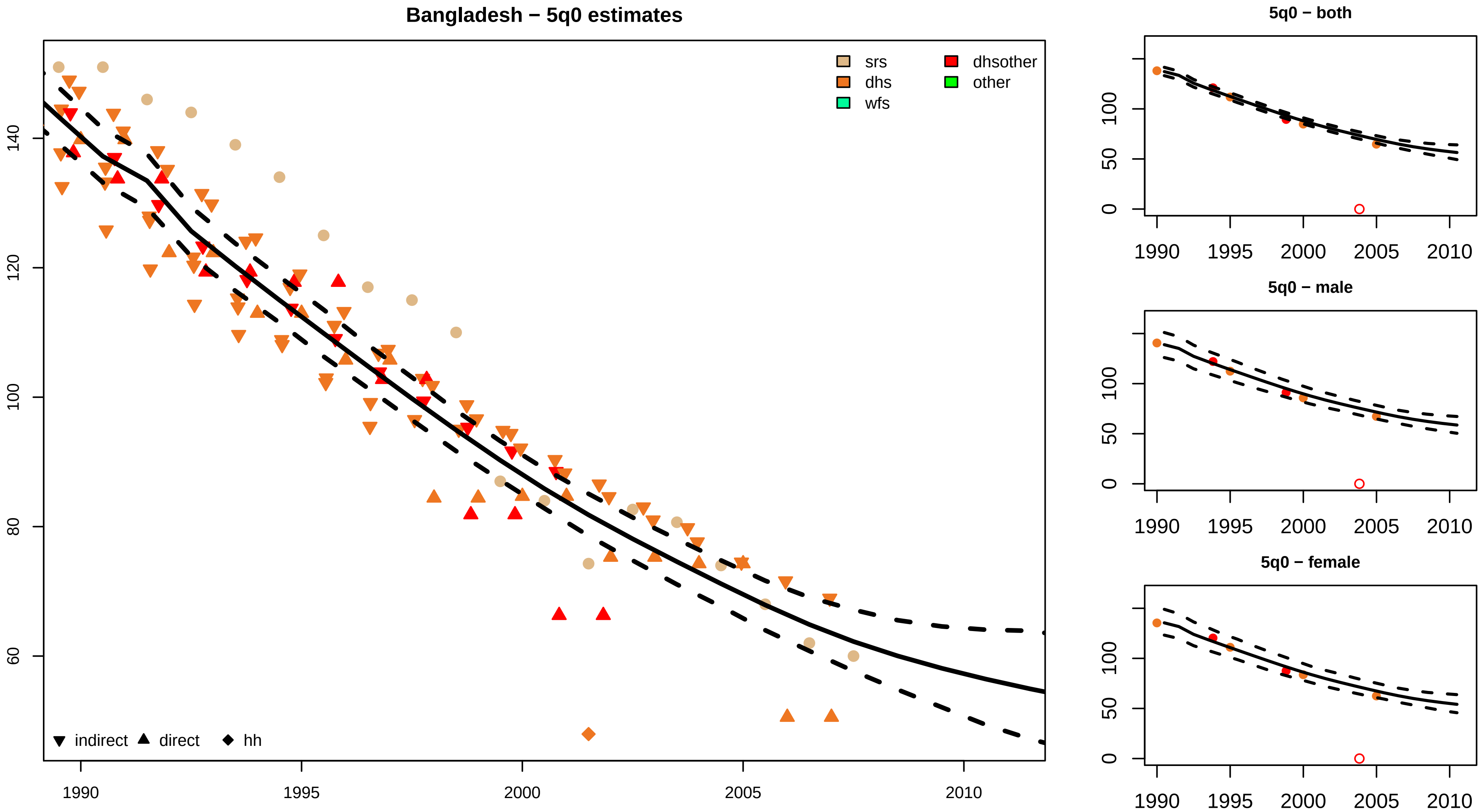
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



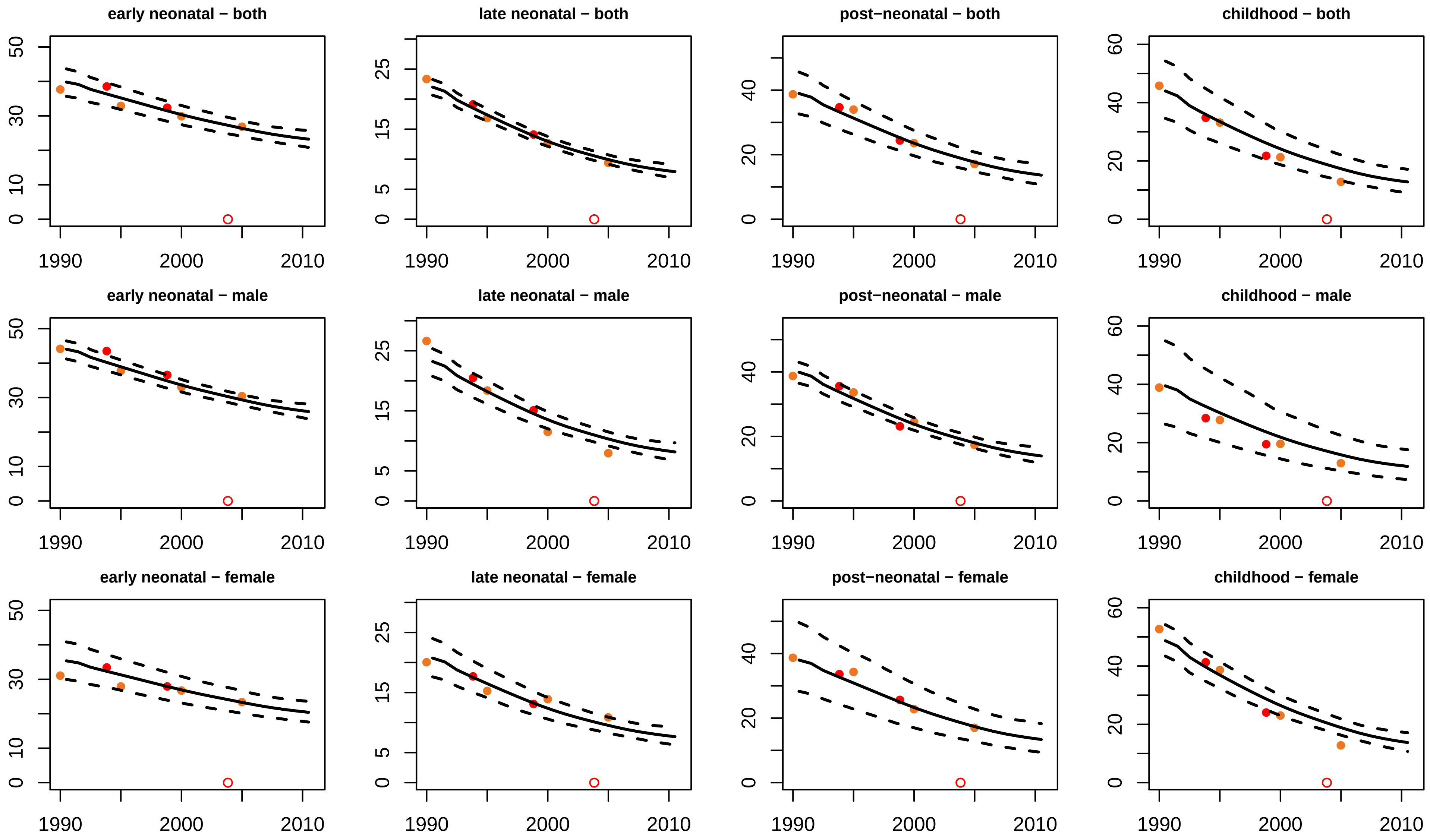
Bahrain − 5q0 estimates
vr
other
census
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female
5
10
15
20
1990
1995
2000
2005
2010



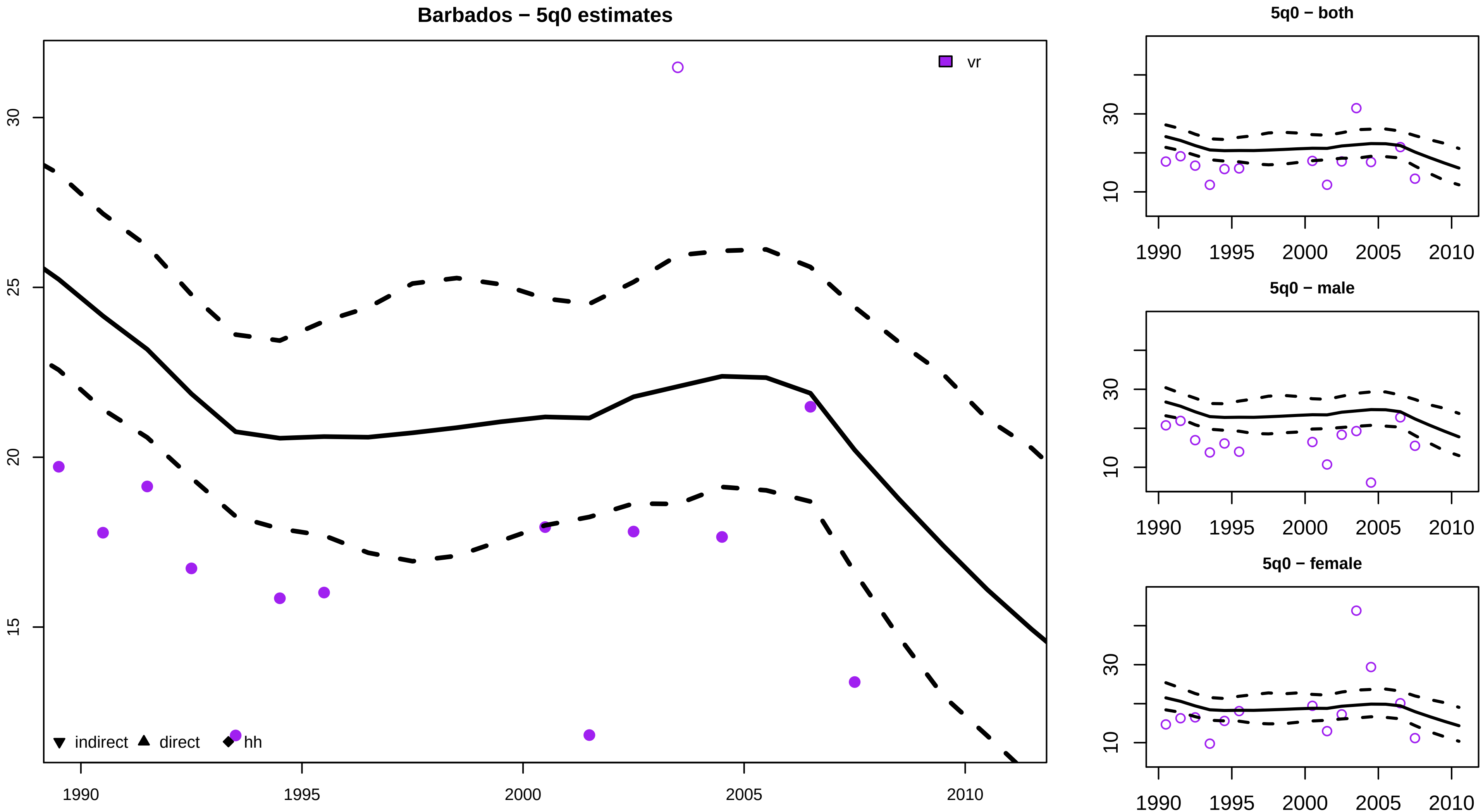
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



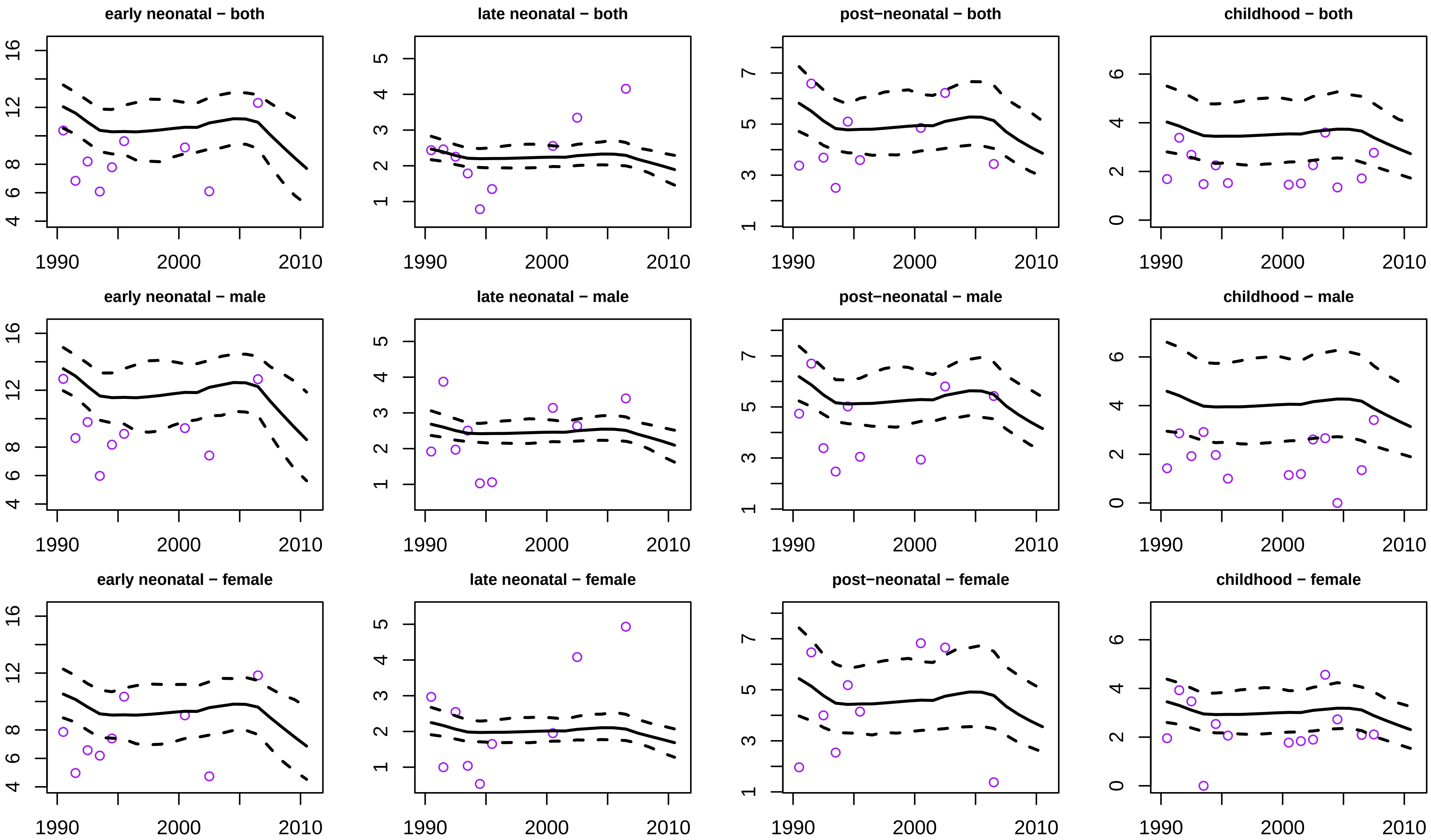
Bangladesh − 5q0 estimates
srs
dhs
wfs
dhsother
other
indirect
direct
hh
140
120
100
80
60
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
0
50
100

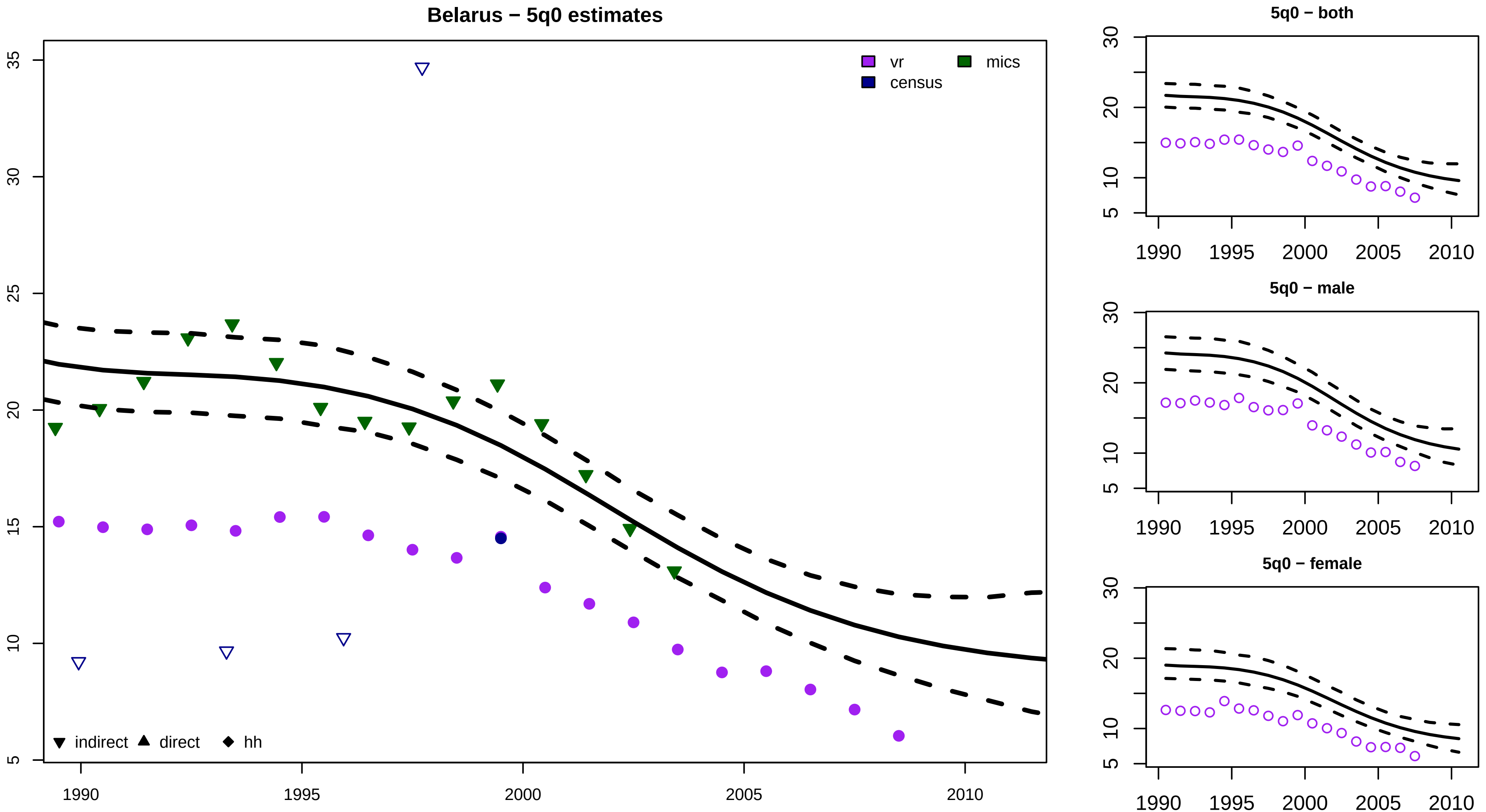


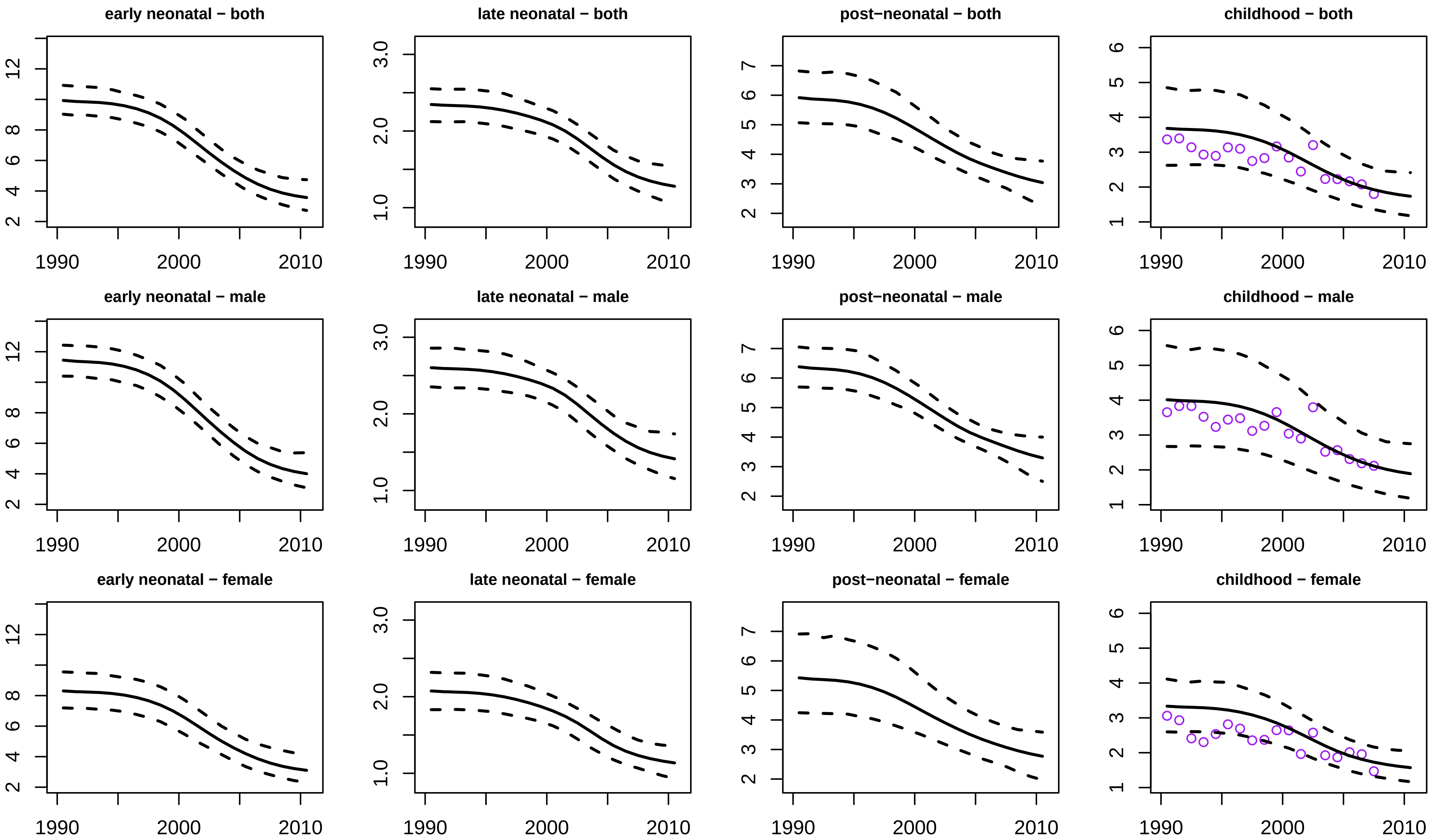
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
0
10
30
50
5
15
25
20
40
60
1990
2000
2010



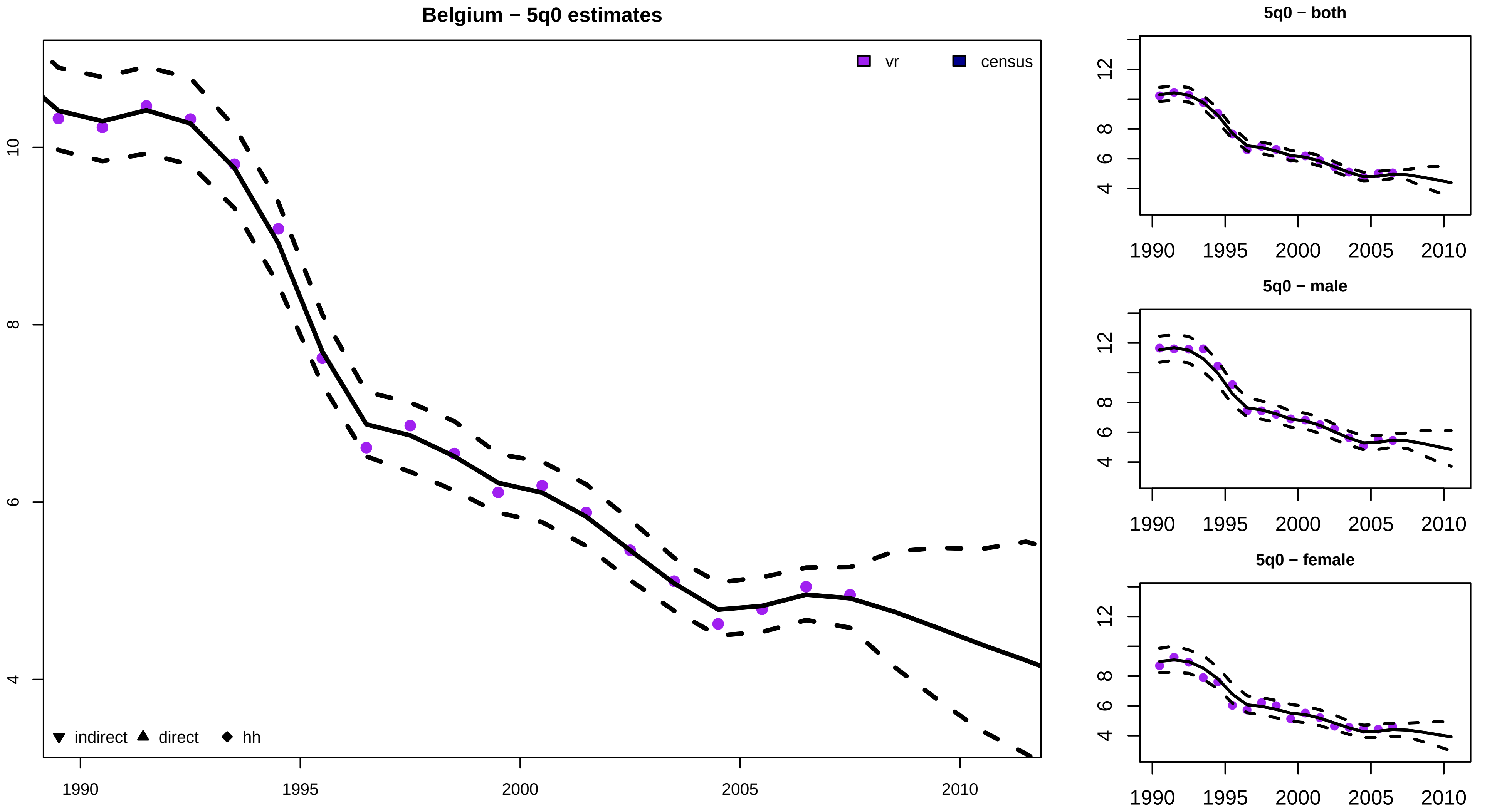
Barbados – 5q0 estimates
vr
indirect
direct
hh
30
25
20
15
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
10


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
4
6
8
12
16
1
2
3
4
5
1
3
5
7
0
2
4
6
1990
2000
2010

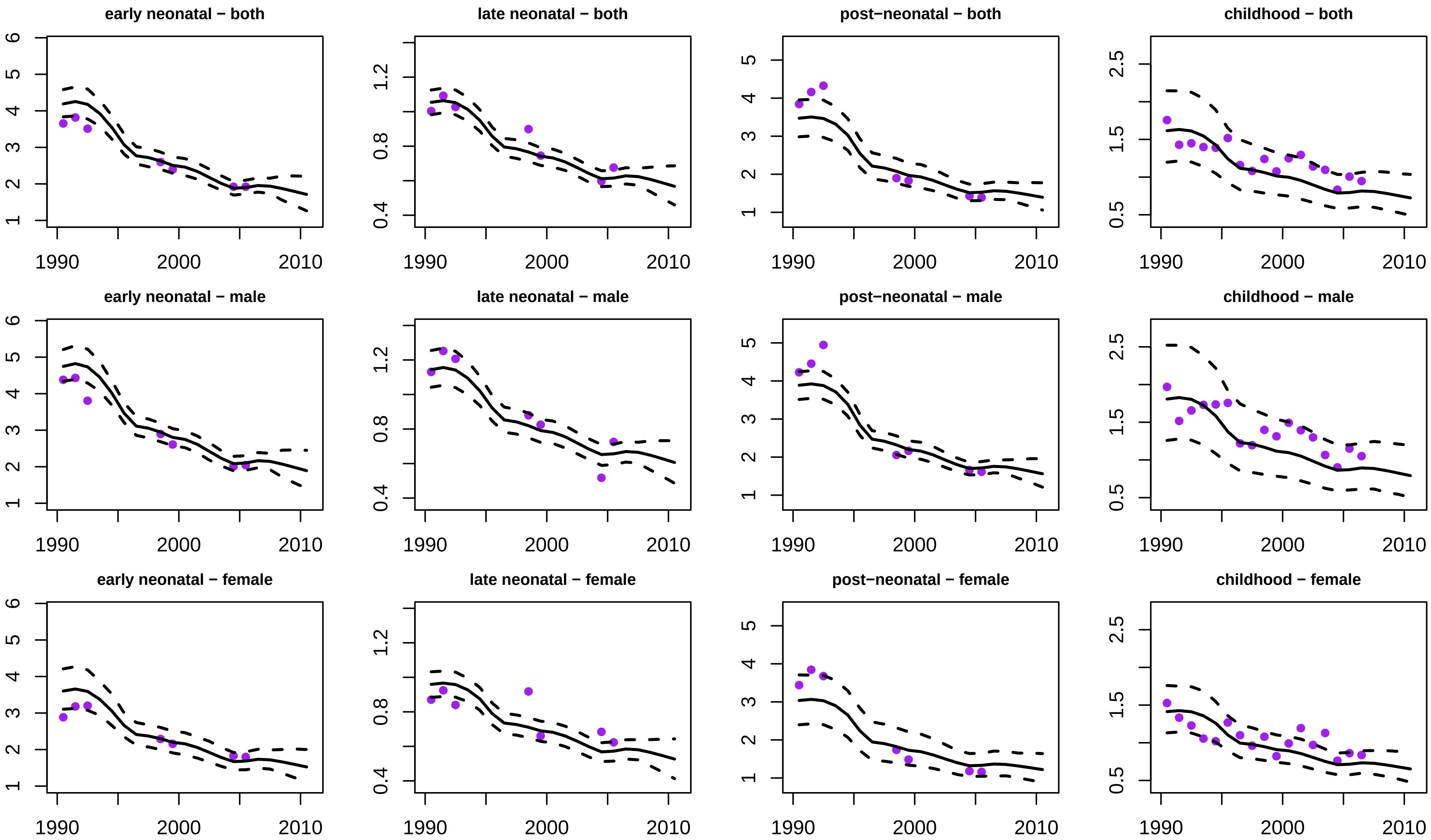

Belarus − 5q0 estimates
vr
mics
census
indirect
direct
hh
35
30
25
20
15
10
5
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

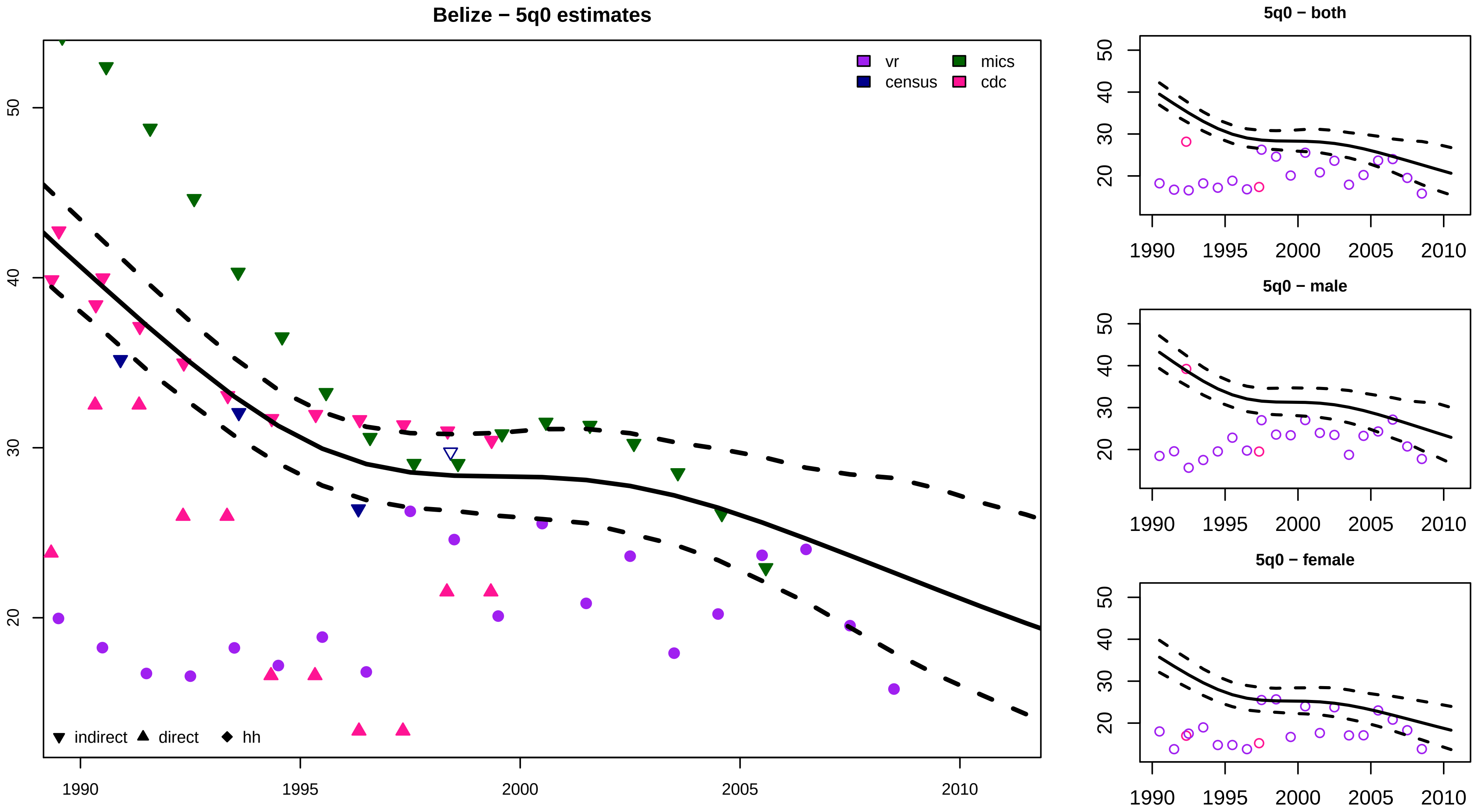


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

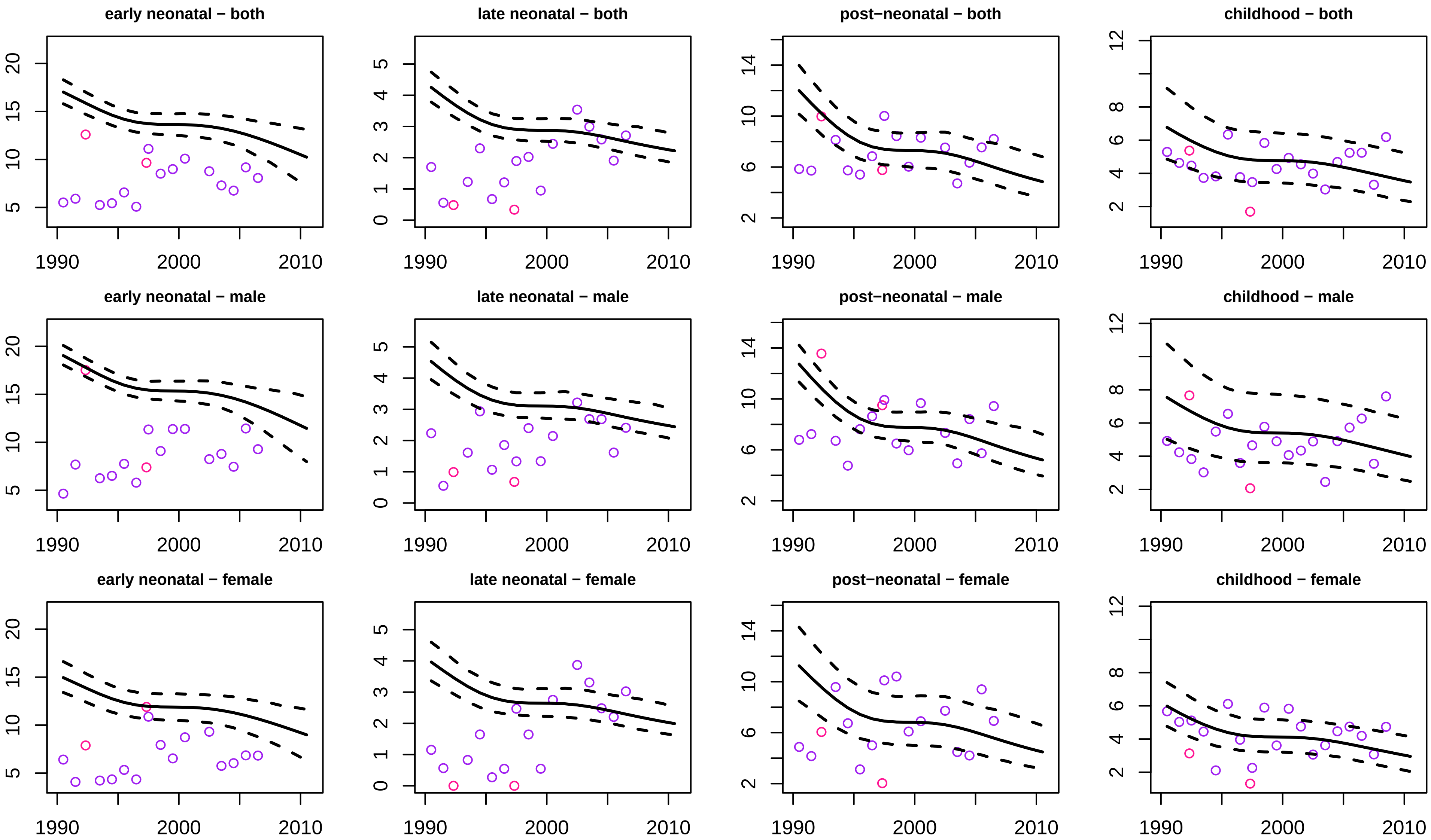


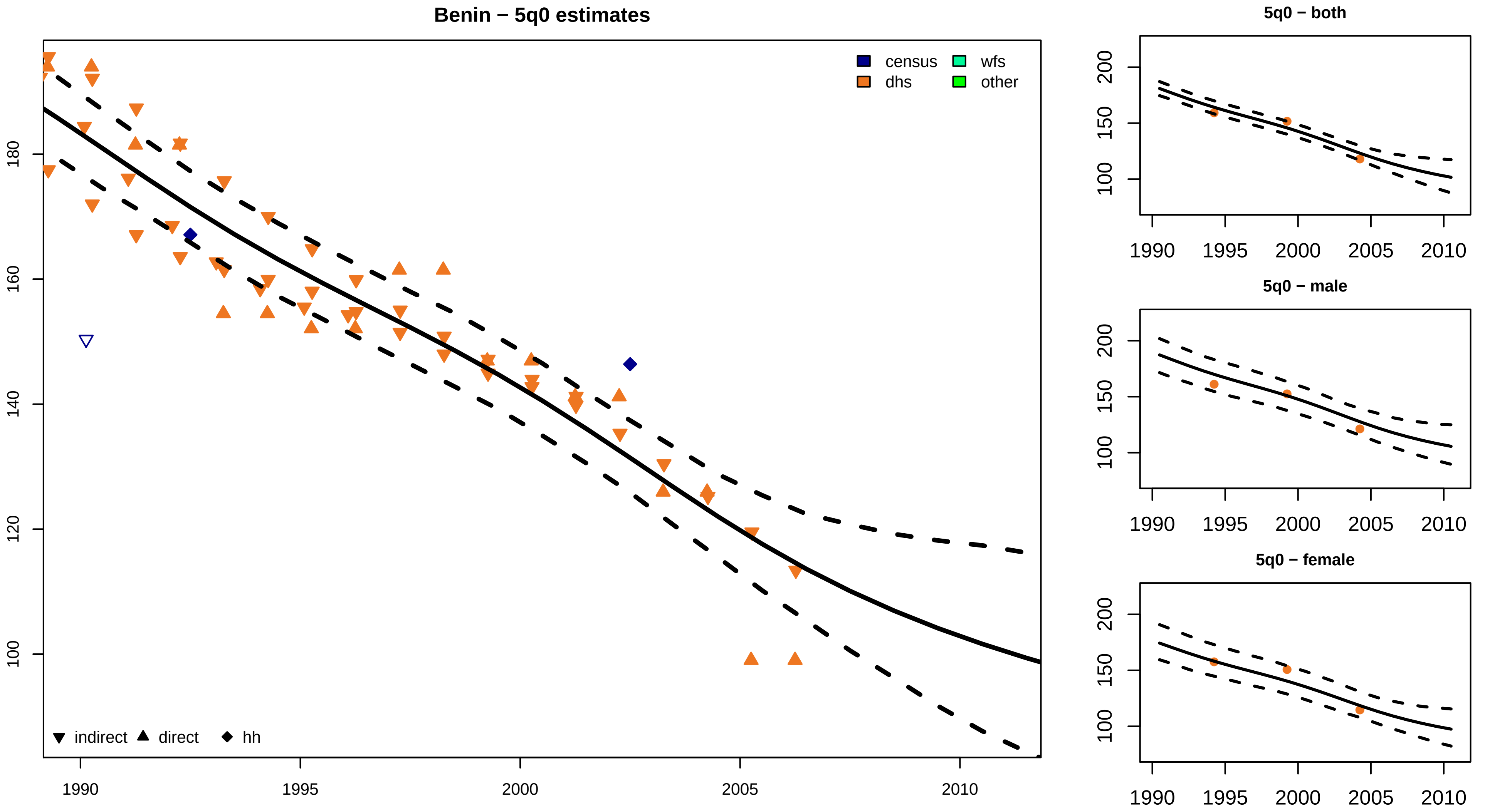
Belgium − 5q0 estimates
vr
census
indirect
direct
hh
10
8
6
4
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
12
8
6
4
1990
1995
2000
2005
2010


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
1 2 3 4 5 6
0.4 0.8 1.2
1 2 3 4 5
0.5 1.5 2.5

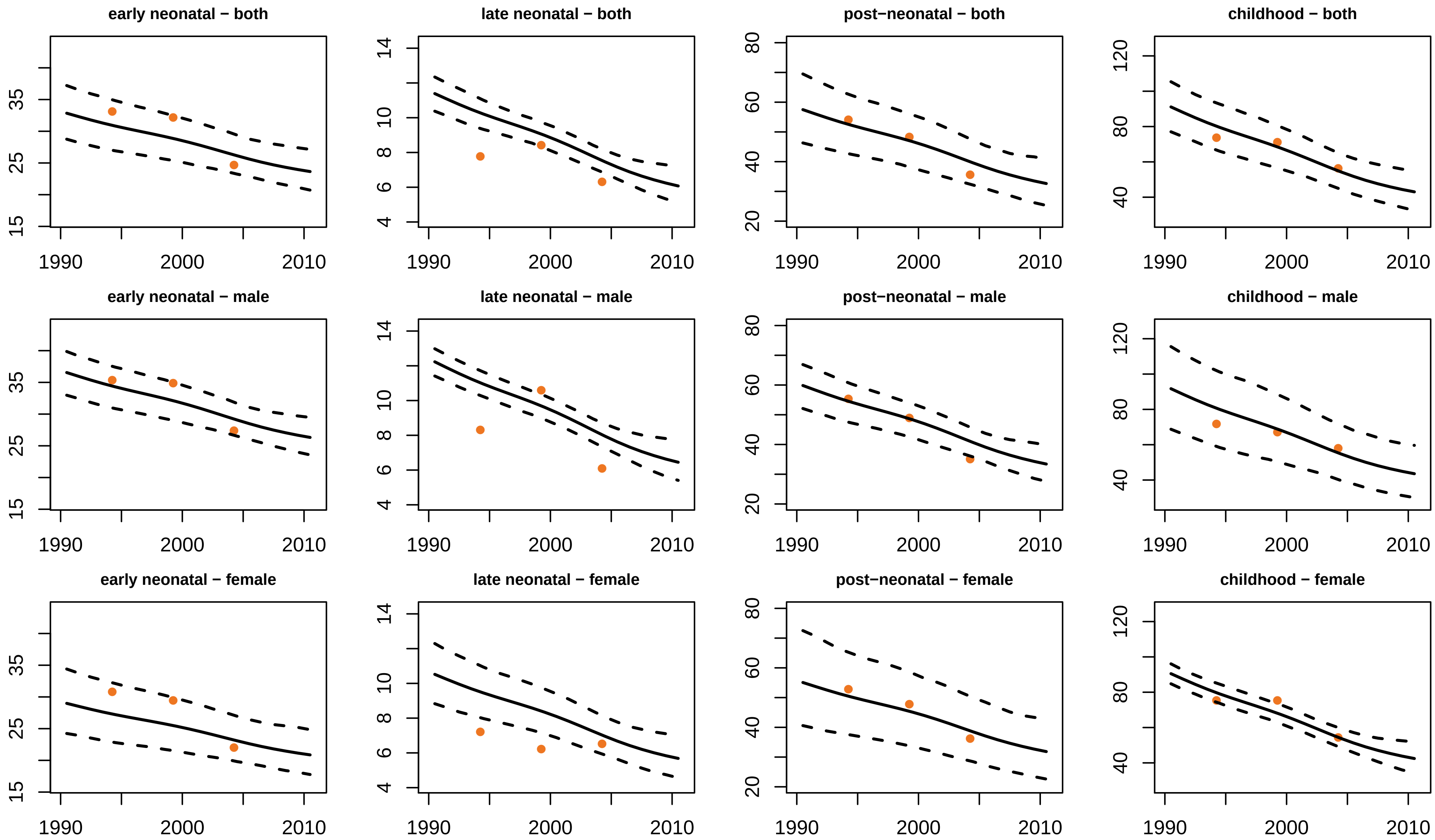


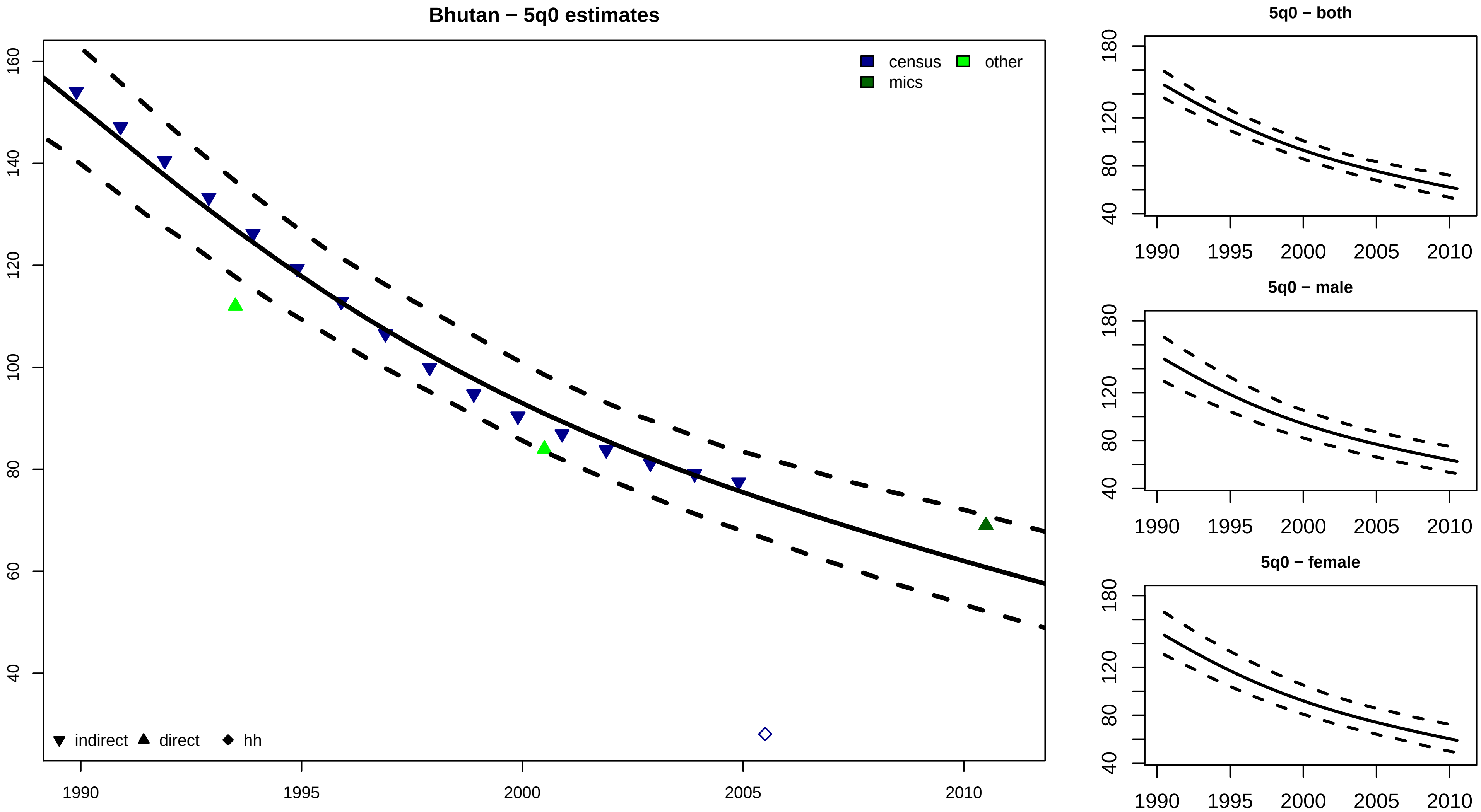
Belize − 5q0 estimates
vr
census
mics
cdc
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

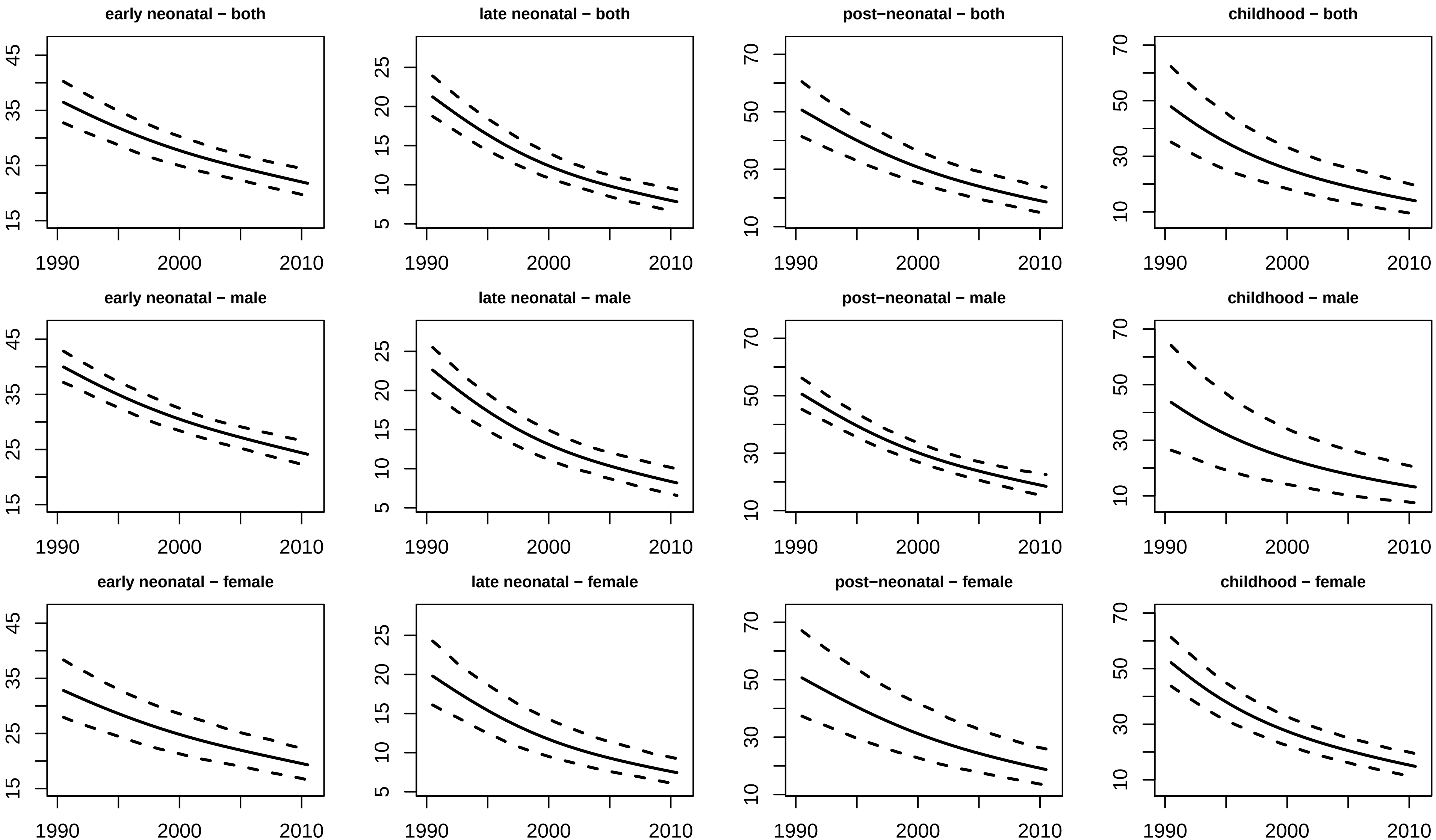


Benin – 5q0 estimates
census
wfs
dhs
other
indirect
direct
hh
180
160
140
120
100
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
200
150
100

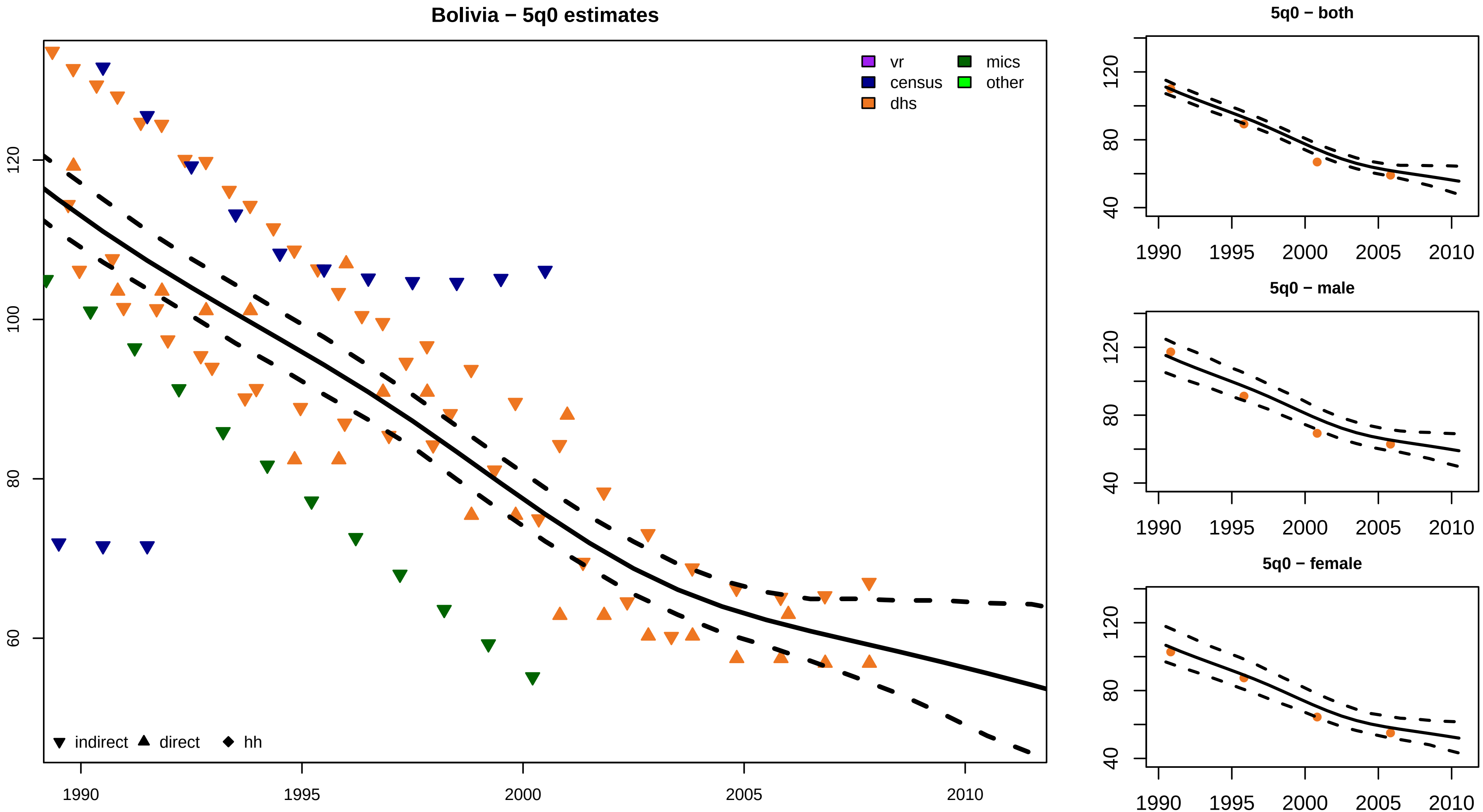

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
15
25
35
4
6
8
10
14
20
40
60
80
40
80
120
1990
2000
2010



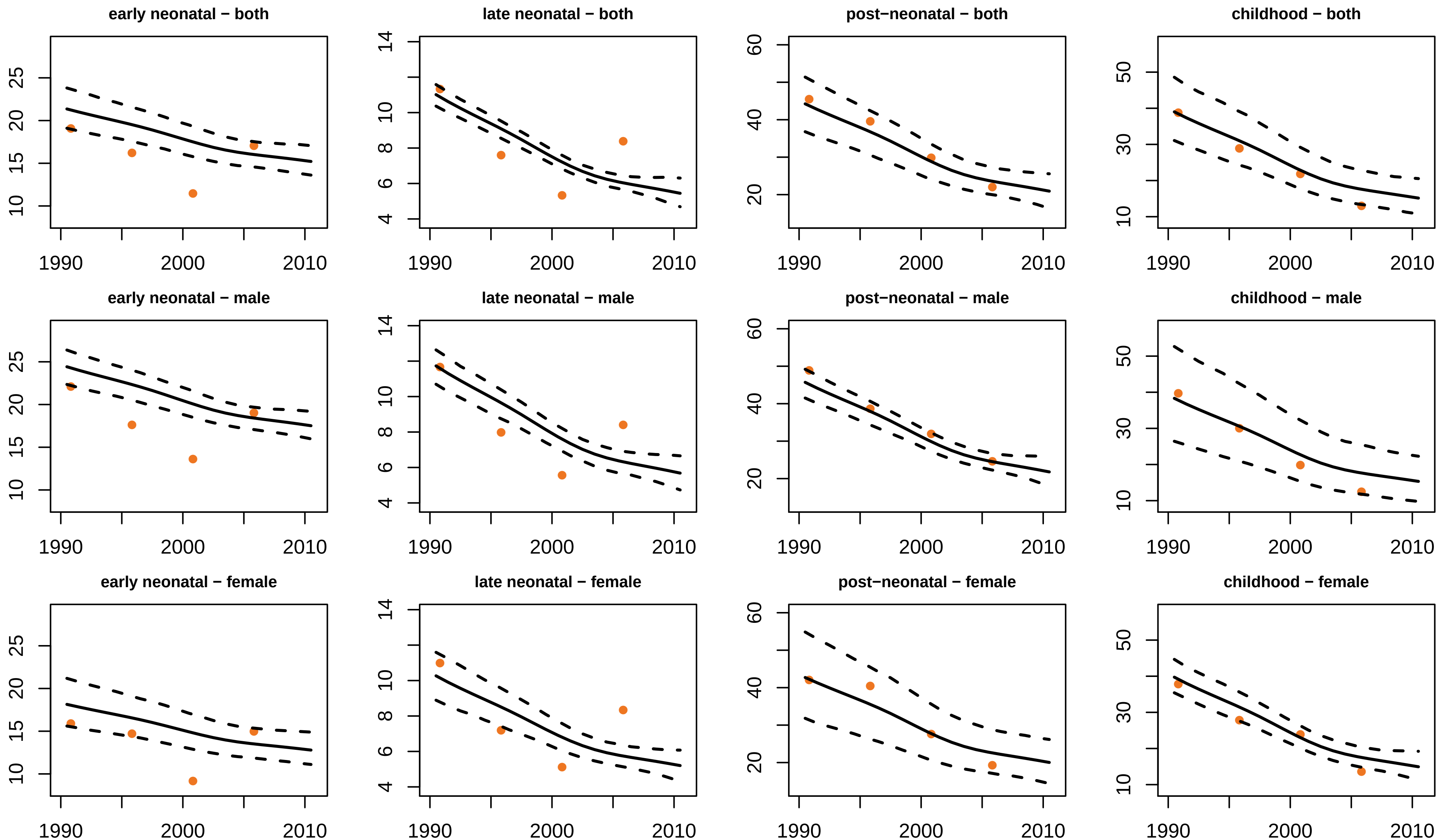
Bhutan − 5q0 estimates
census
other
mics
indirect
direct
hh
160
140
120
100
80
60
40
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
180
120
80
40



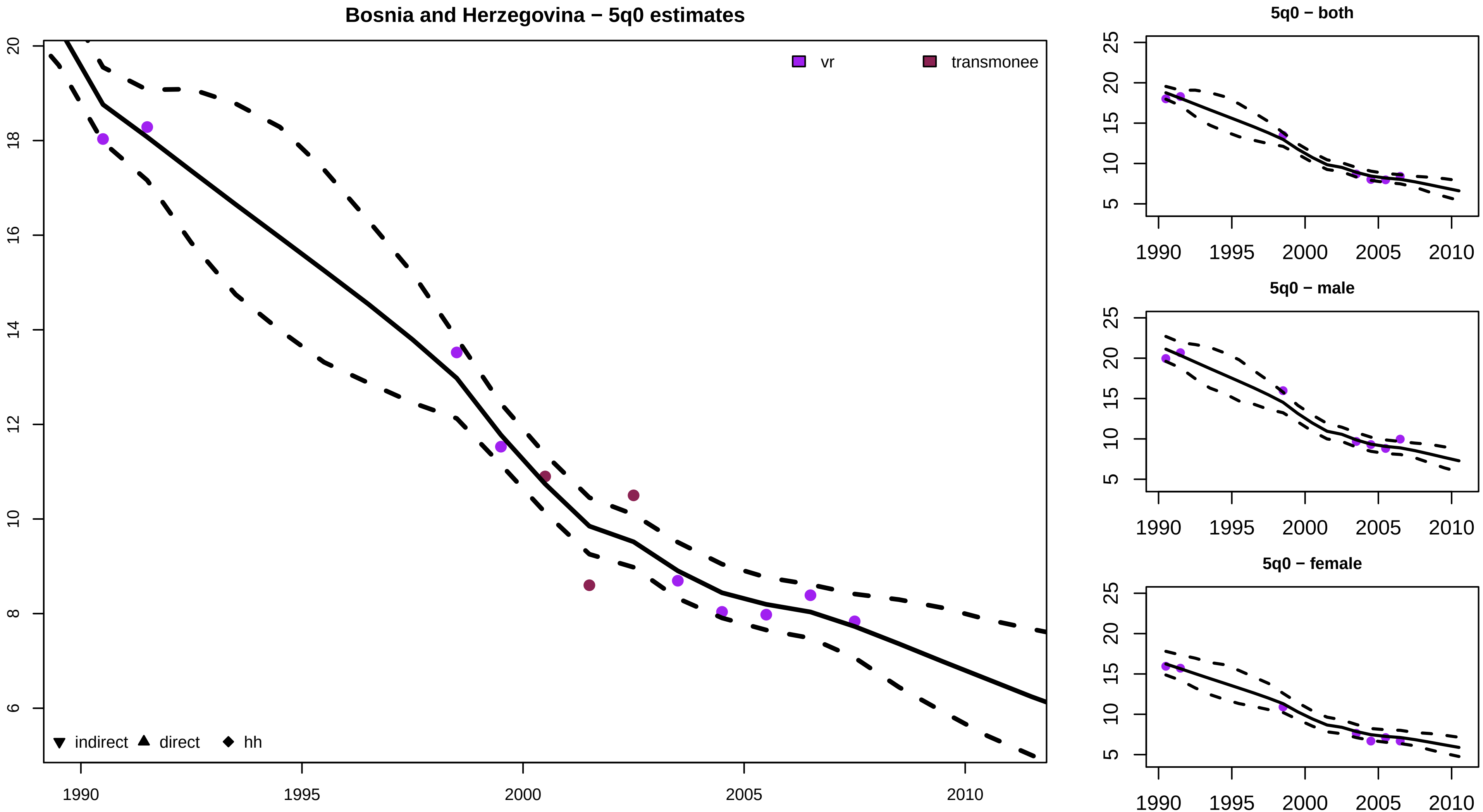
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



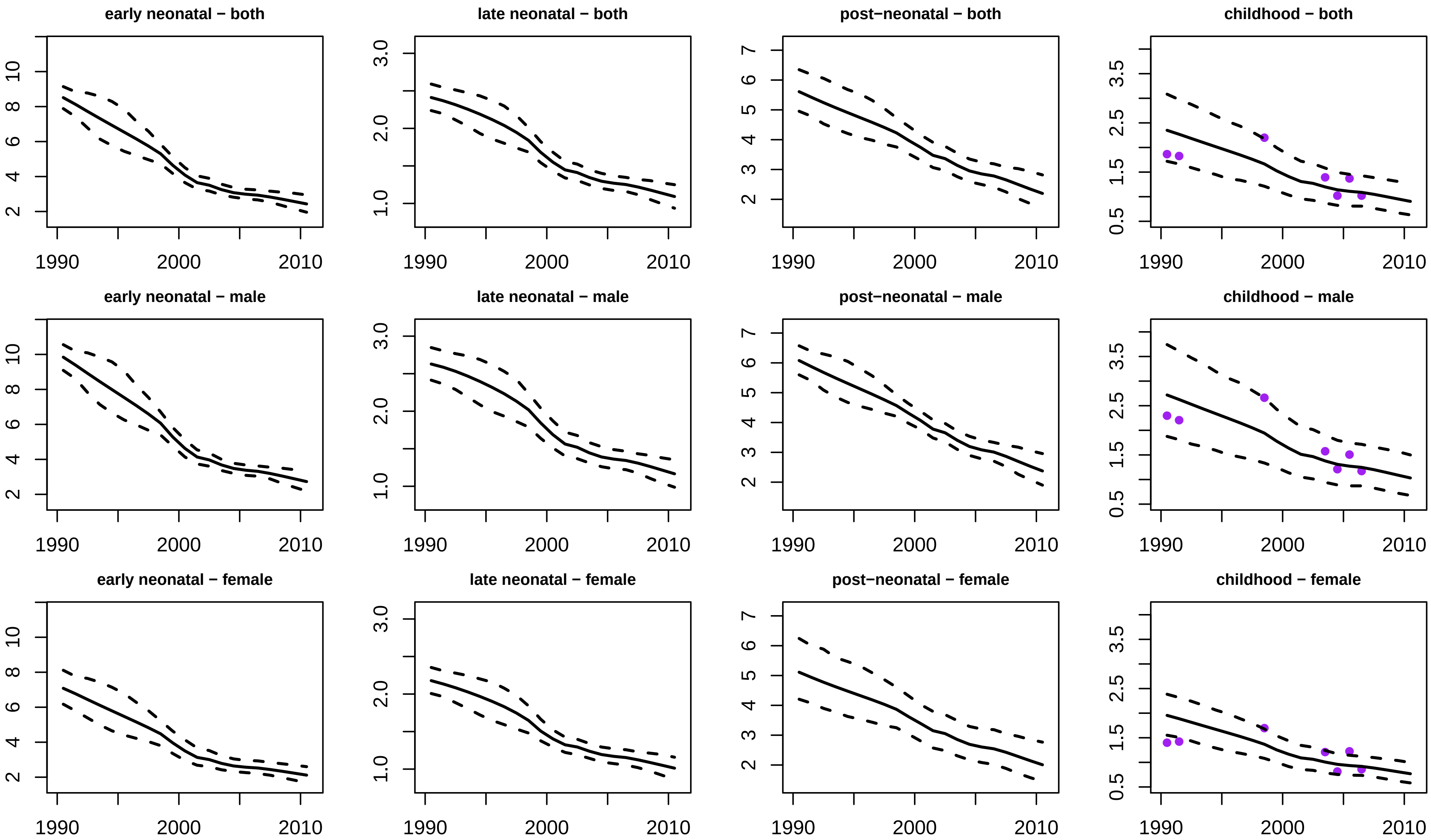
Bolivia − 5q0 estimates
vr
census
dhs
mics
other
indirect
direct
hh
120
100
80
60
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
40

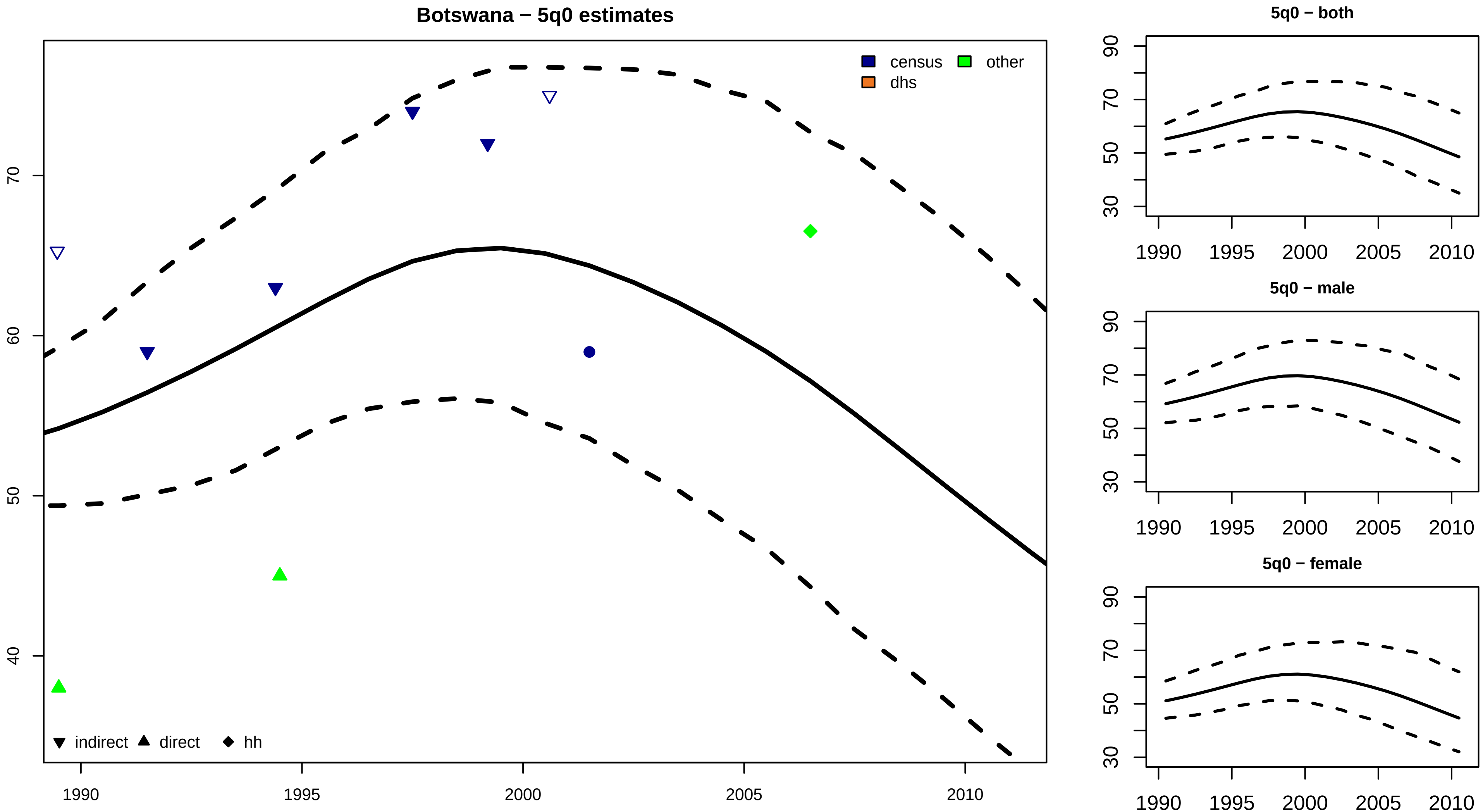


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
10
15
20
25
4
6
8
10
14
20
40
60
30
50

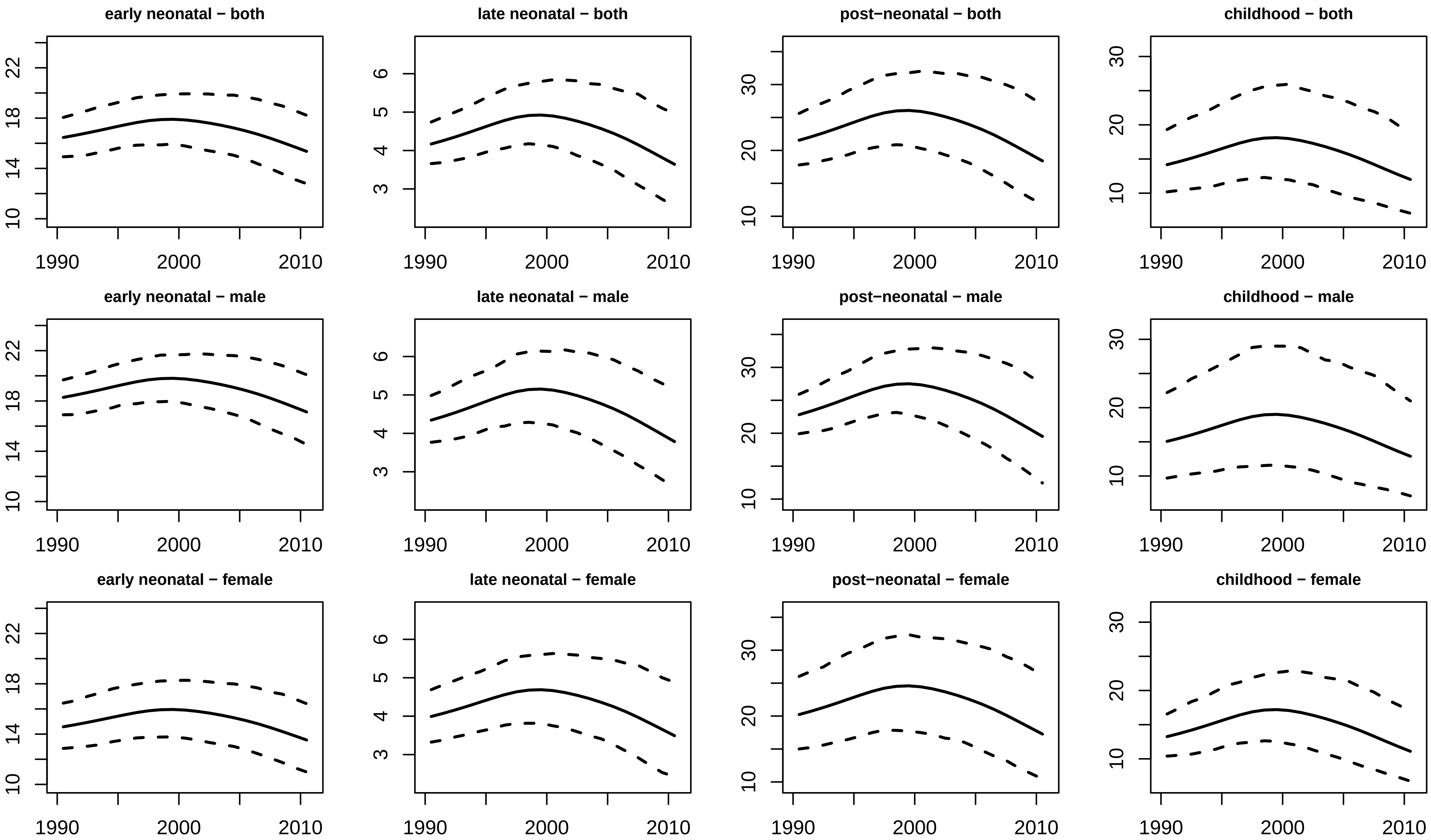


Bosnia and Herzegovina − 5q0 estimates
vr
transmonee
indirect
direct
hh
20
18
16
14
12
10
8
6
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
25
20
15
10
5

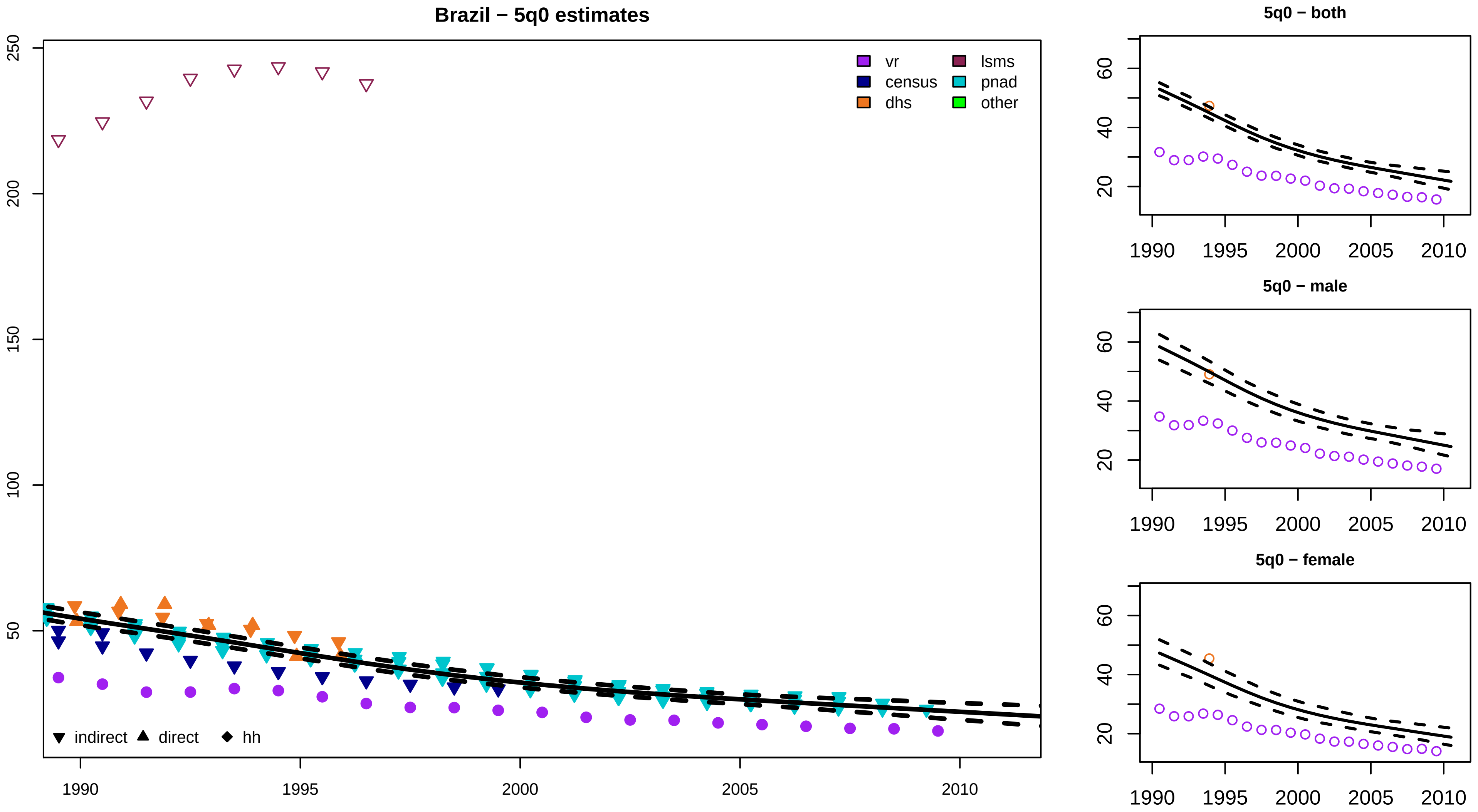

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
2
4
6
8
10
1.0
2.0
3.0
2
3
4
5
6
7
0.5
1.5
2.5
3.5



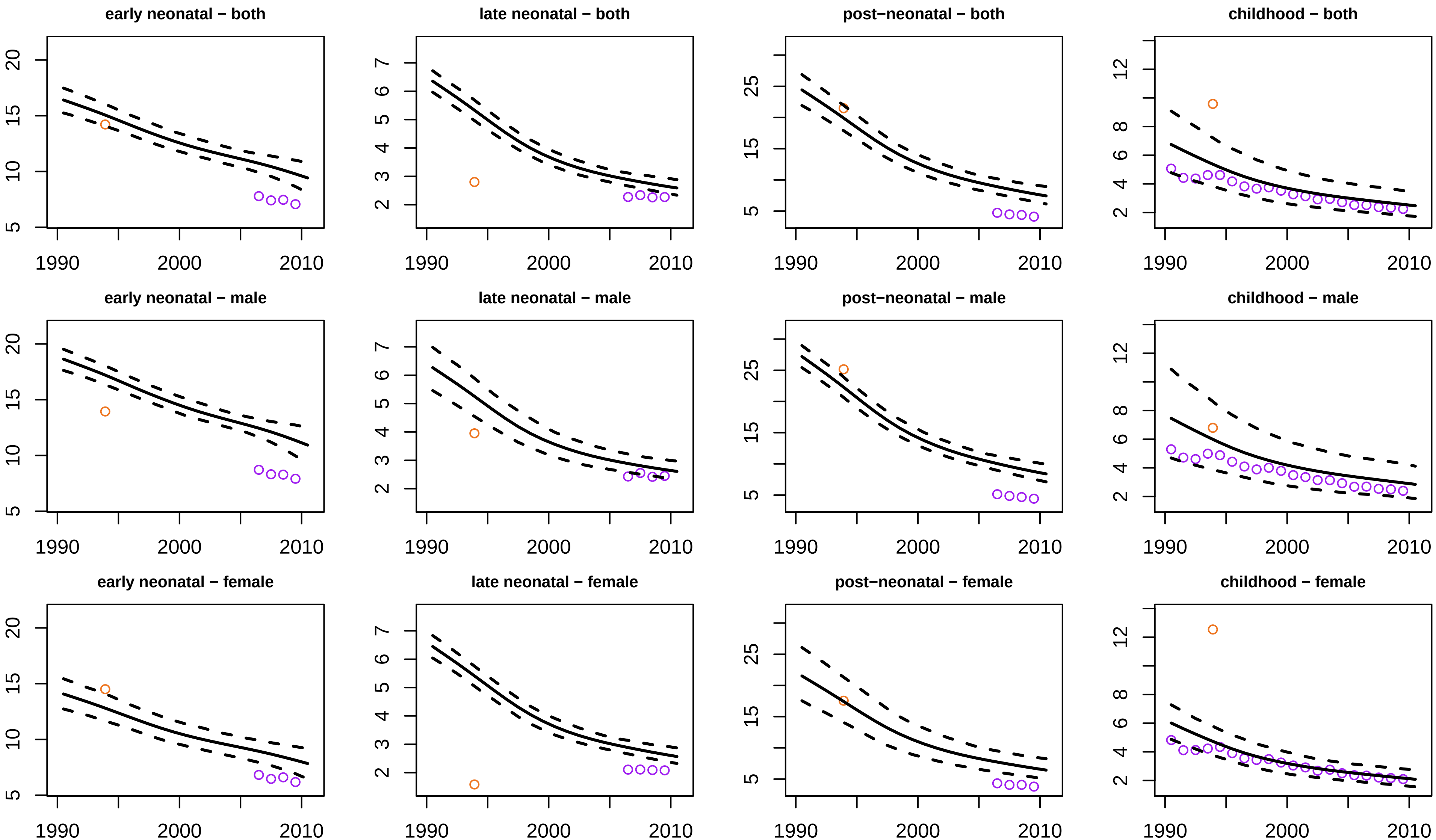
Botswana − 5q0 estimates
census
other
dhs
indirect
direct
hh
40
50
60
70
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
30
50
70
90



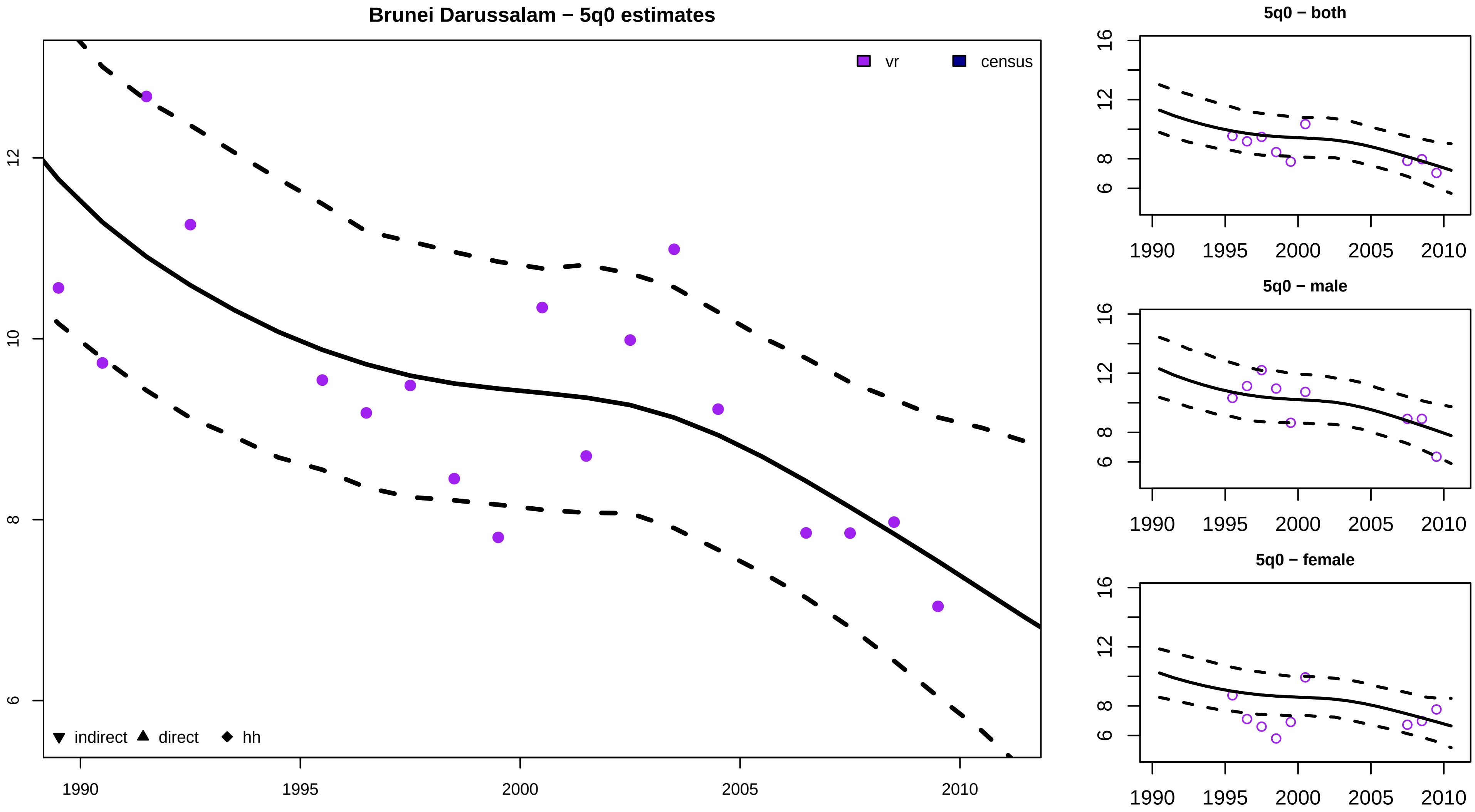
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



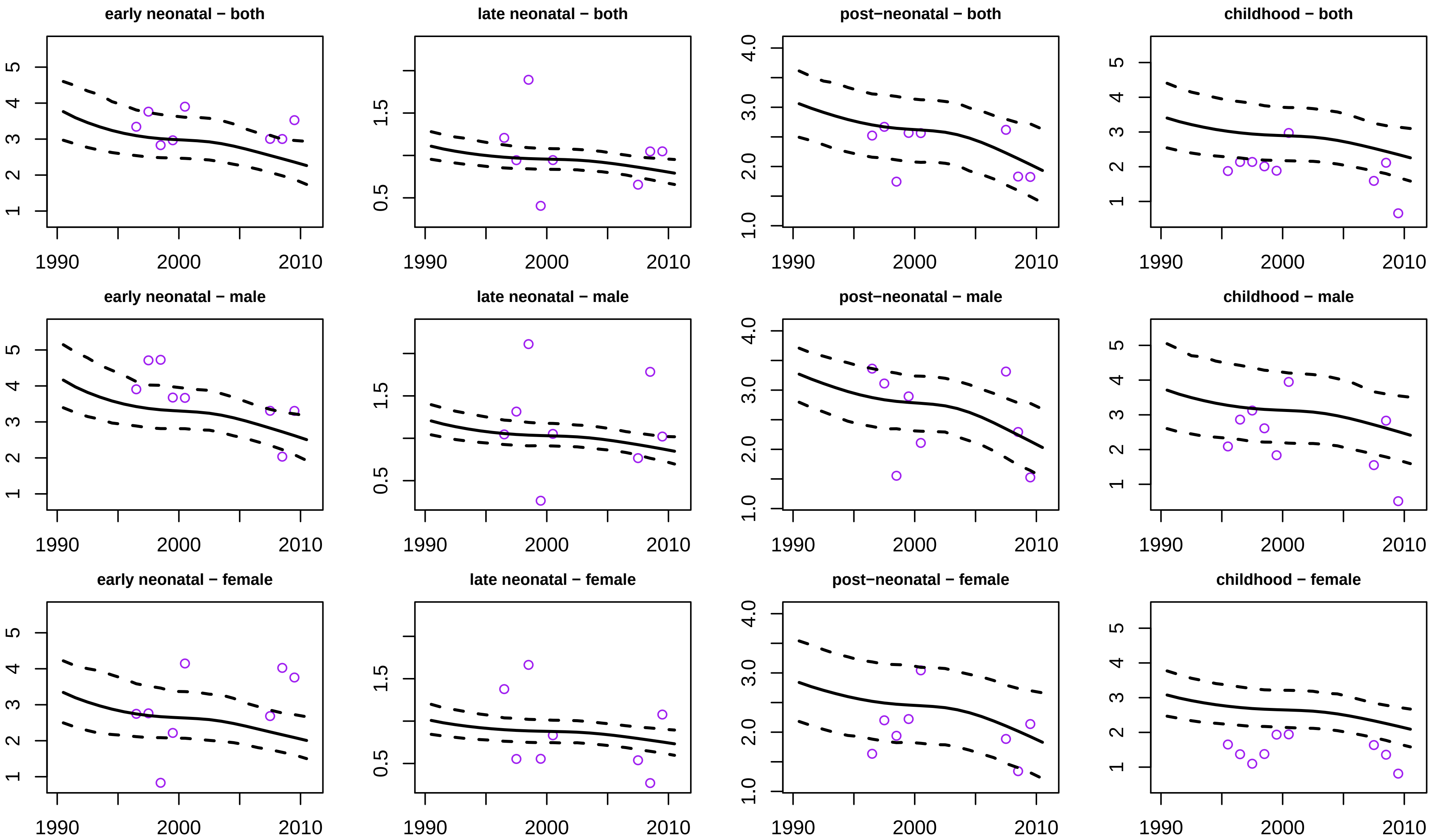
Brazil – 5q0 estimates
250
200
150
100
50
1990
1995
2000
2005
2010
vr
census
dhs
lsms
pnad
other
indirect
direct
hh
5q0 – both
5q0 – male
5q0 – female
20
40
60

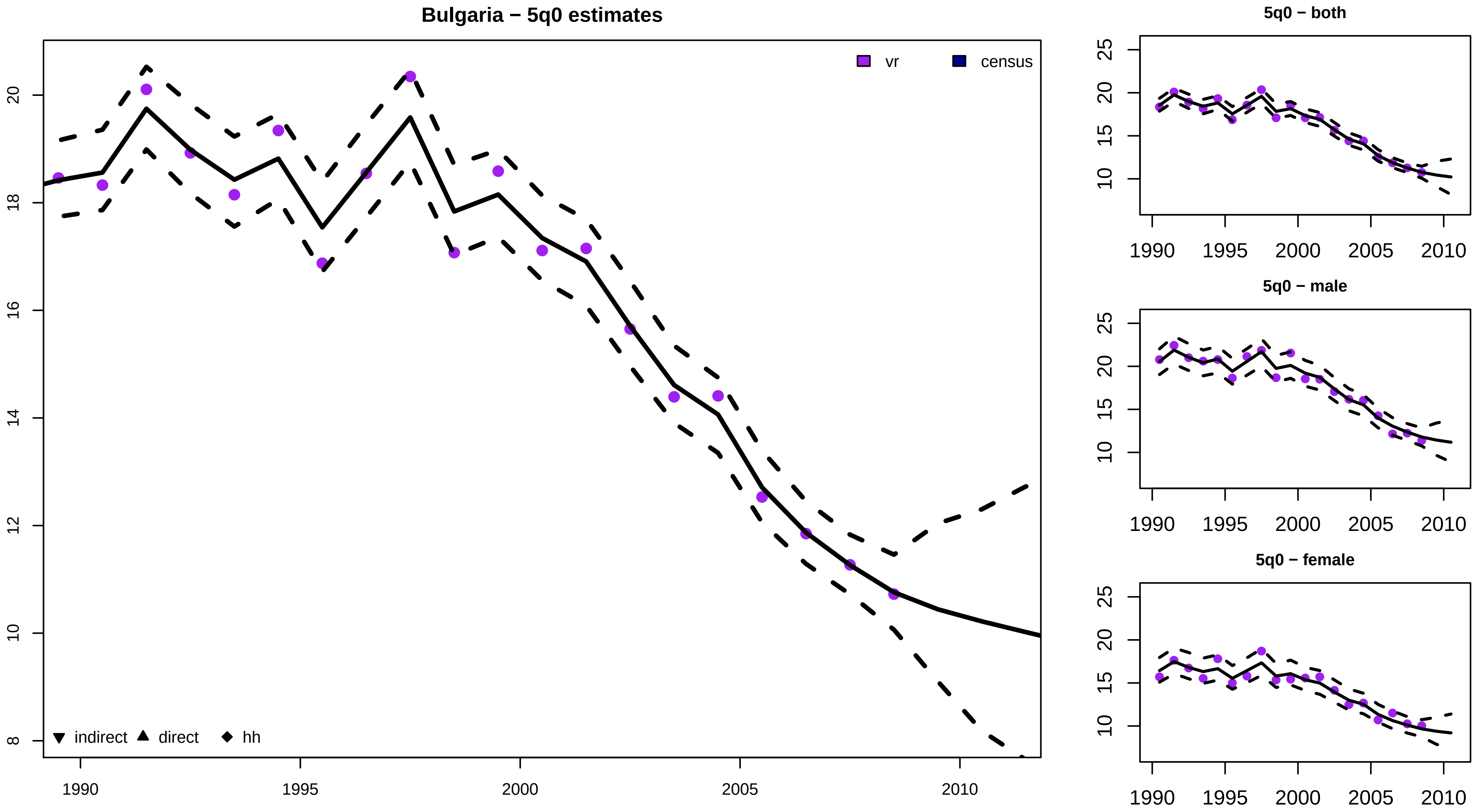


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

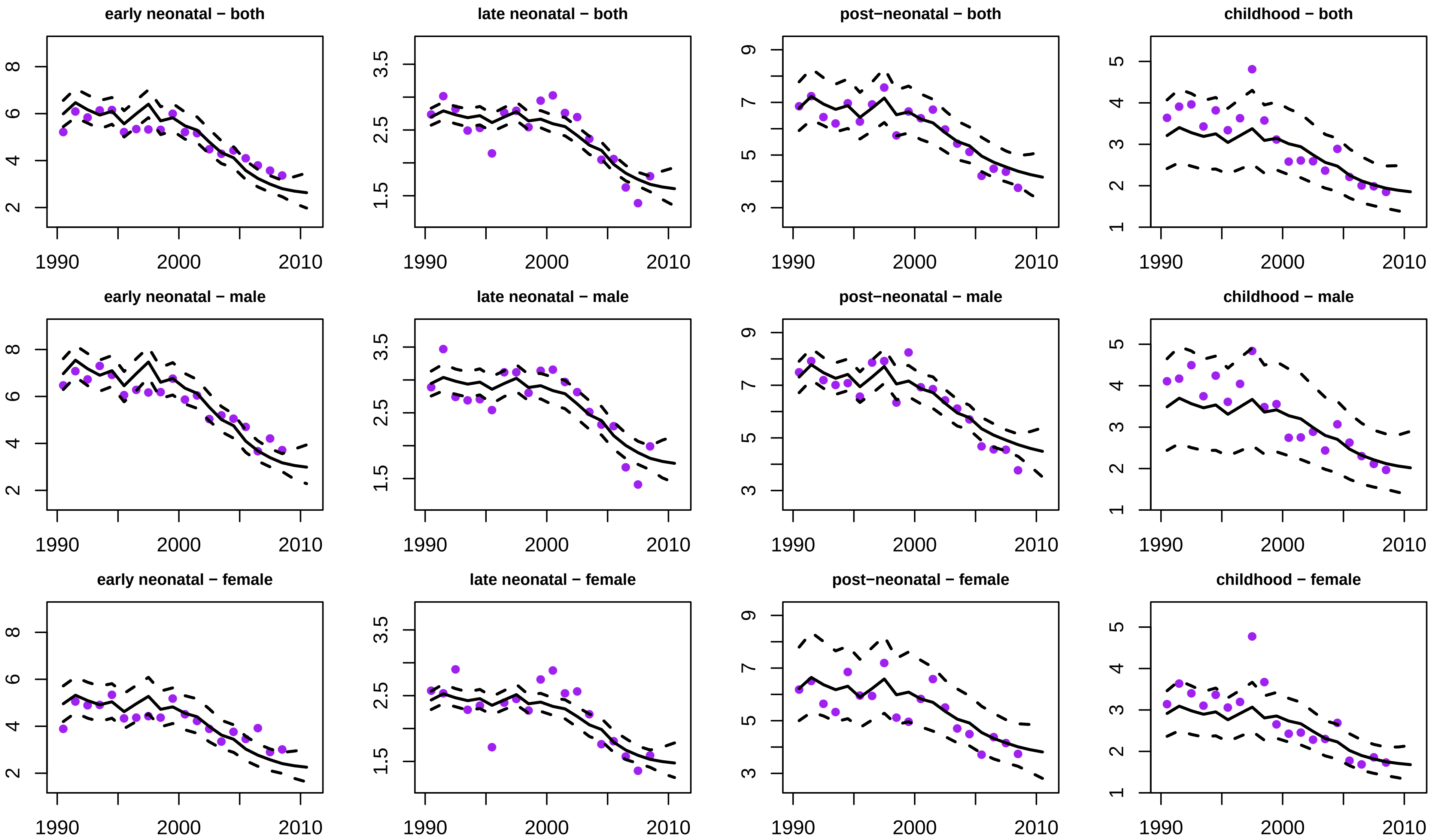


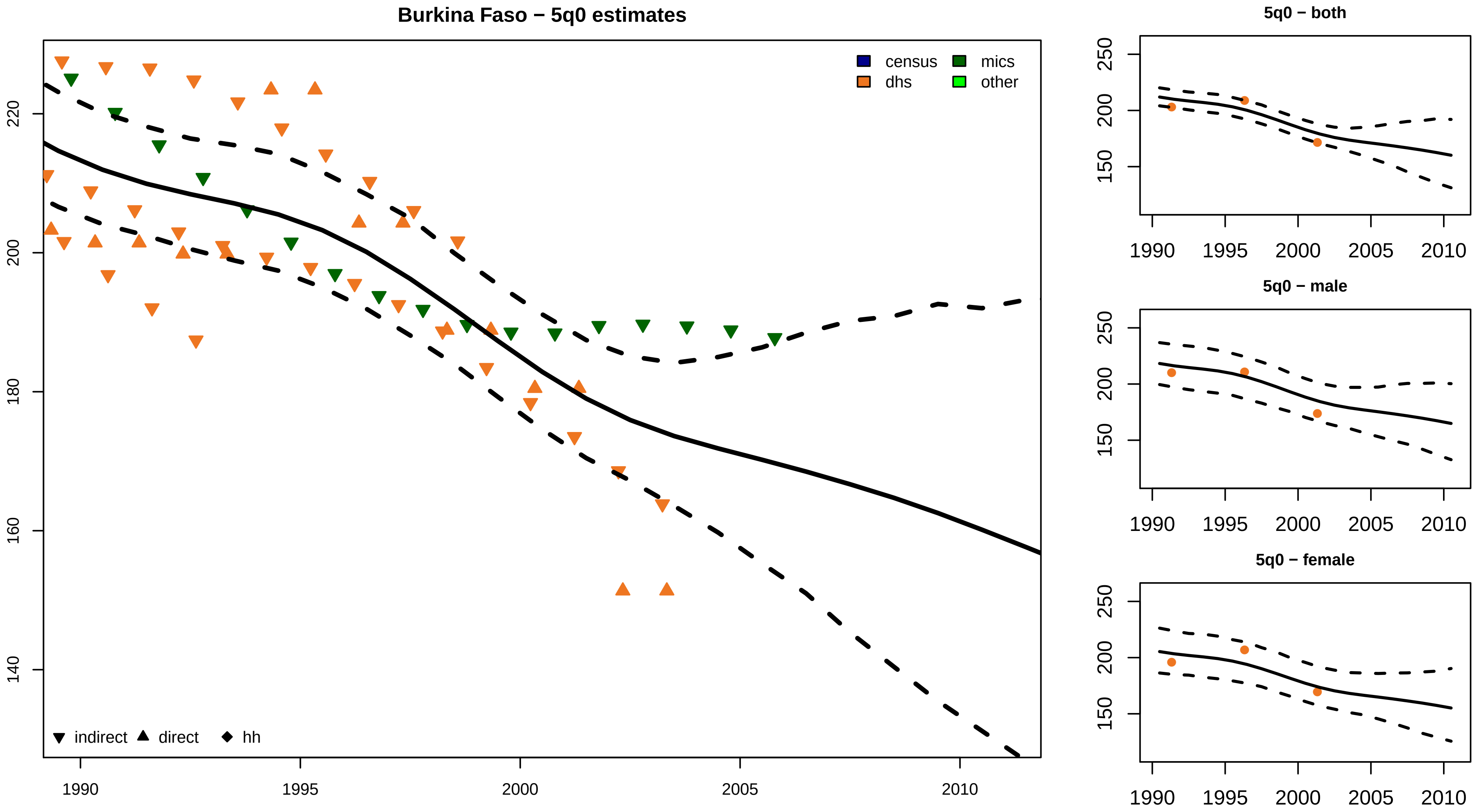
Brunei Darussalam − 5q0 estimates
vr
census
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

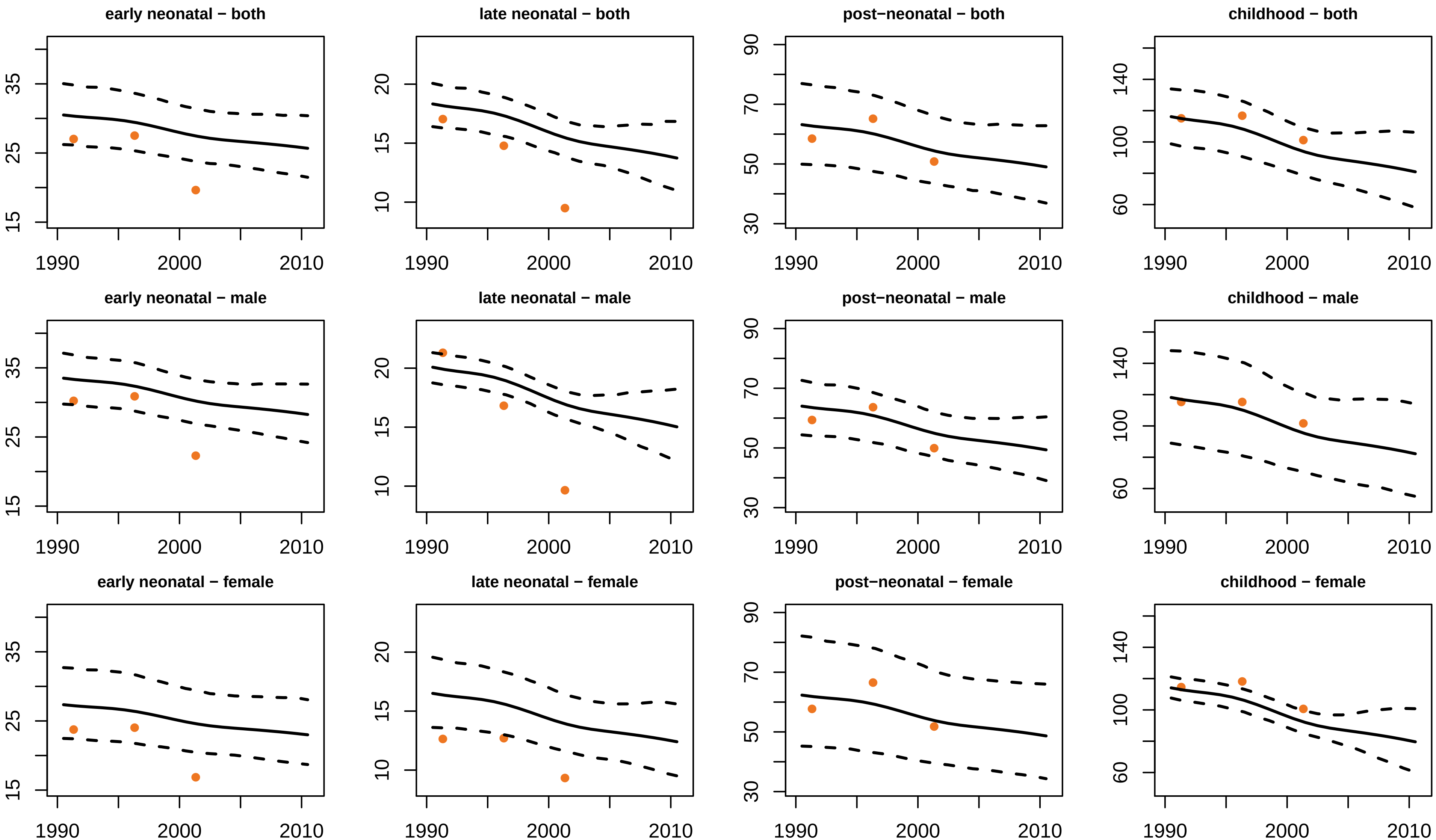


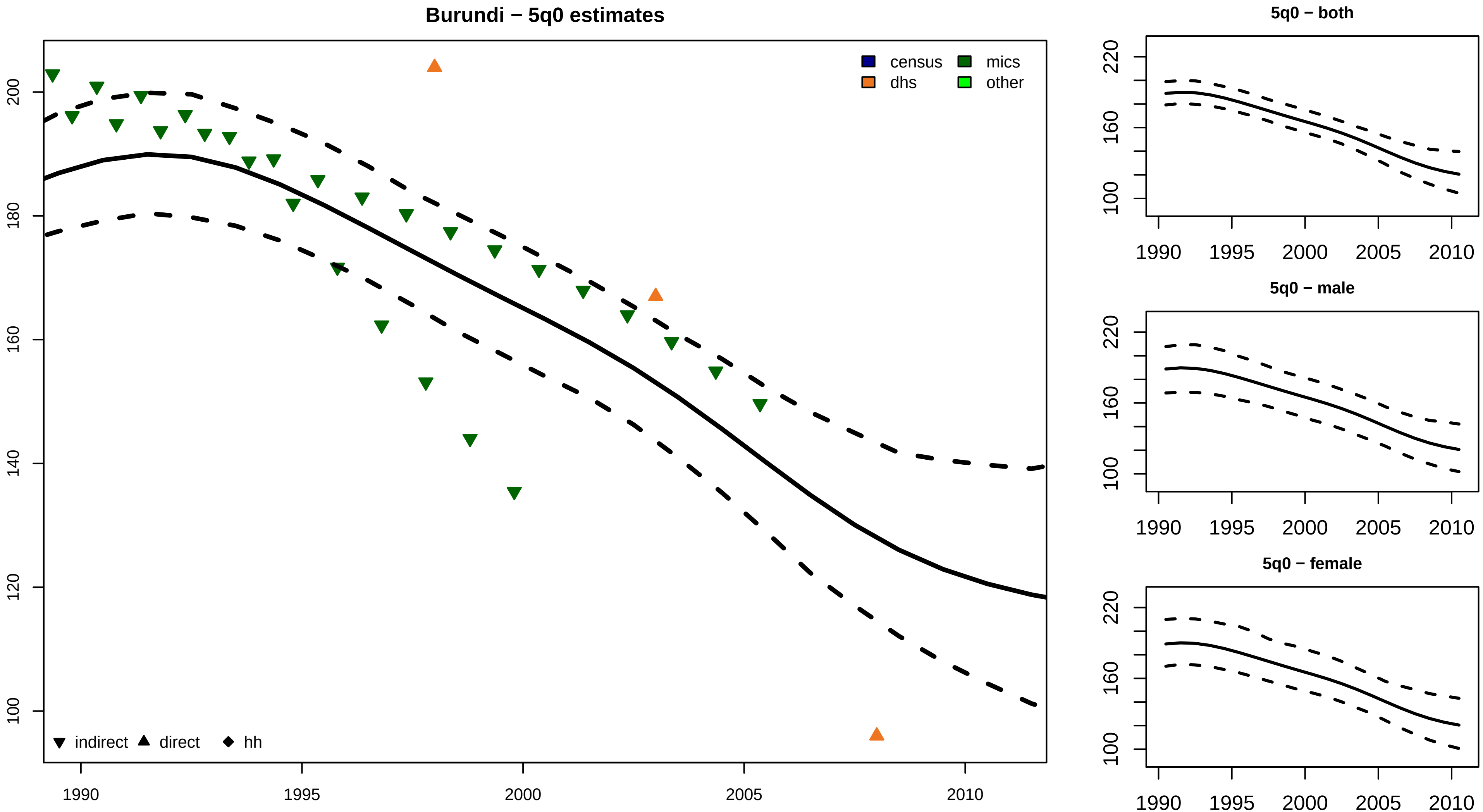
Bulgaria − 5q0 estimates
vr
census
indirect
direct
hh
20
18
16
14
12
10
8
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
25
20
15
10

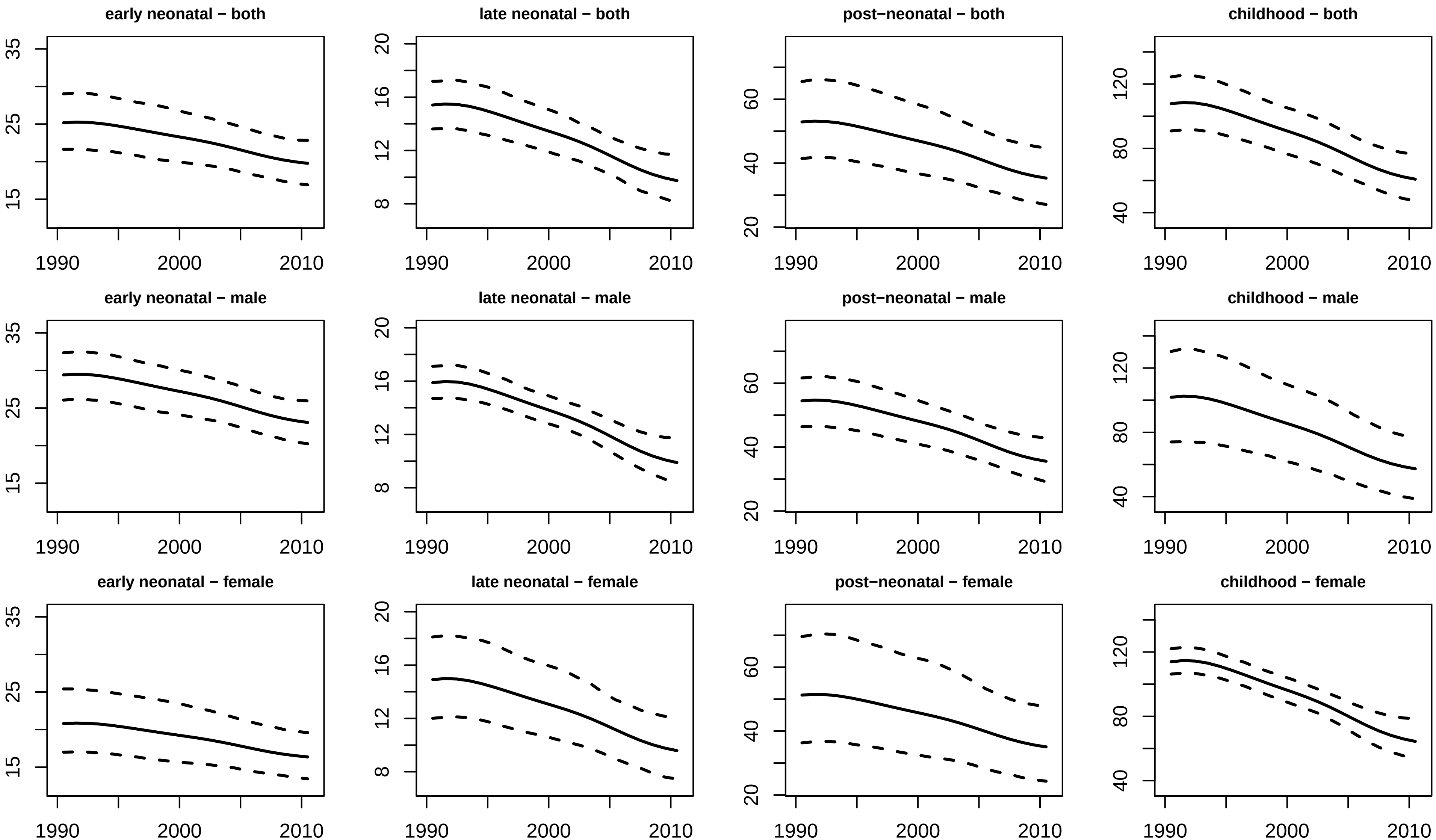

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

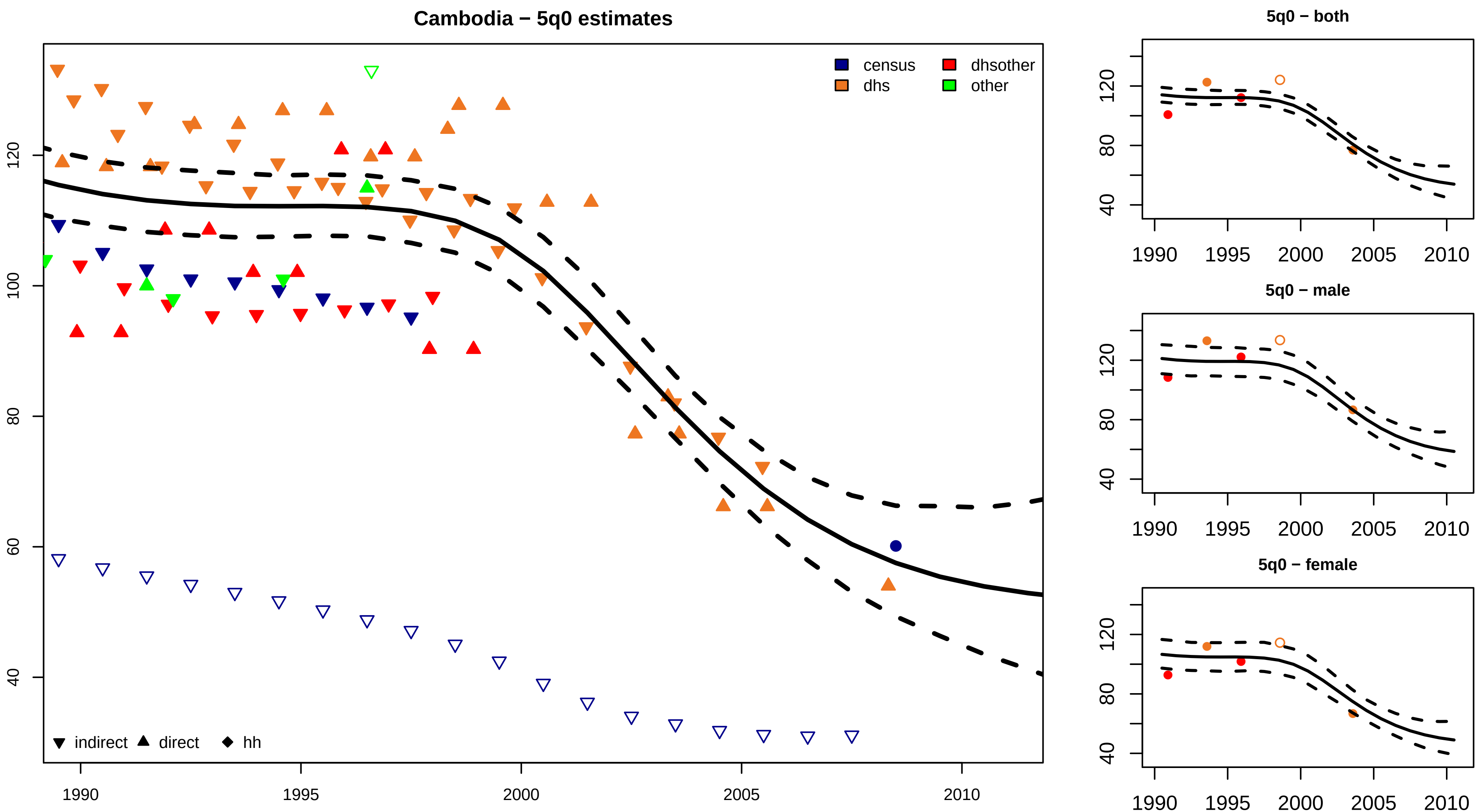


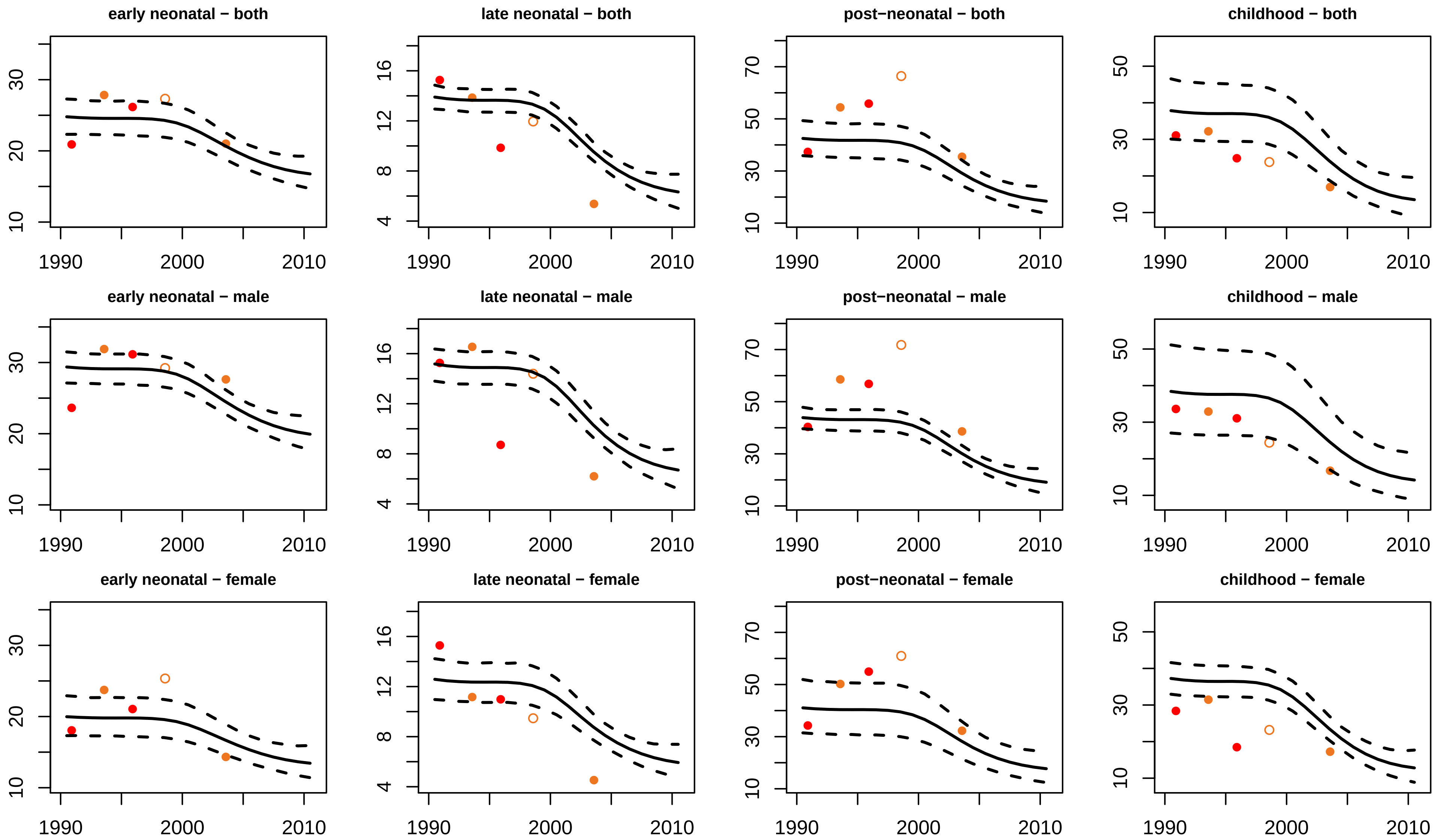
Burkina Faso − 5q0 estimates
census
mics
dhs
other
indirect
direct
hh
220
200
180
160
140
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
250
200
150


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
15
25
35
10
15
20
30
50
70
90
60
100
140

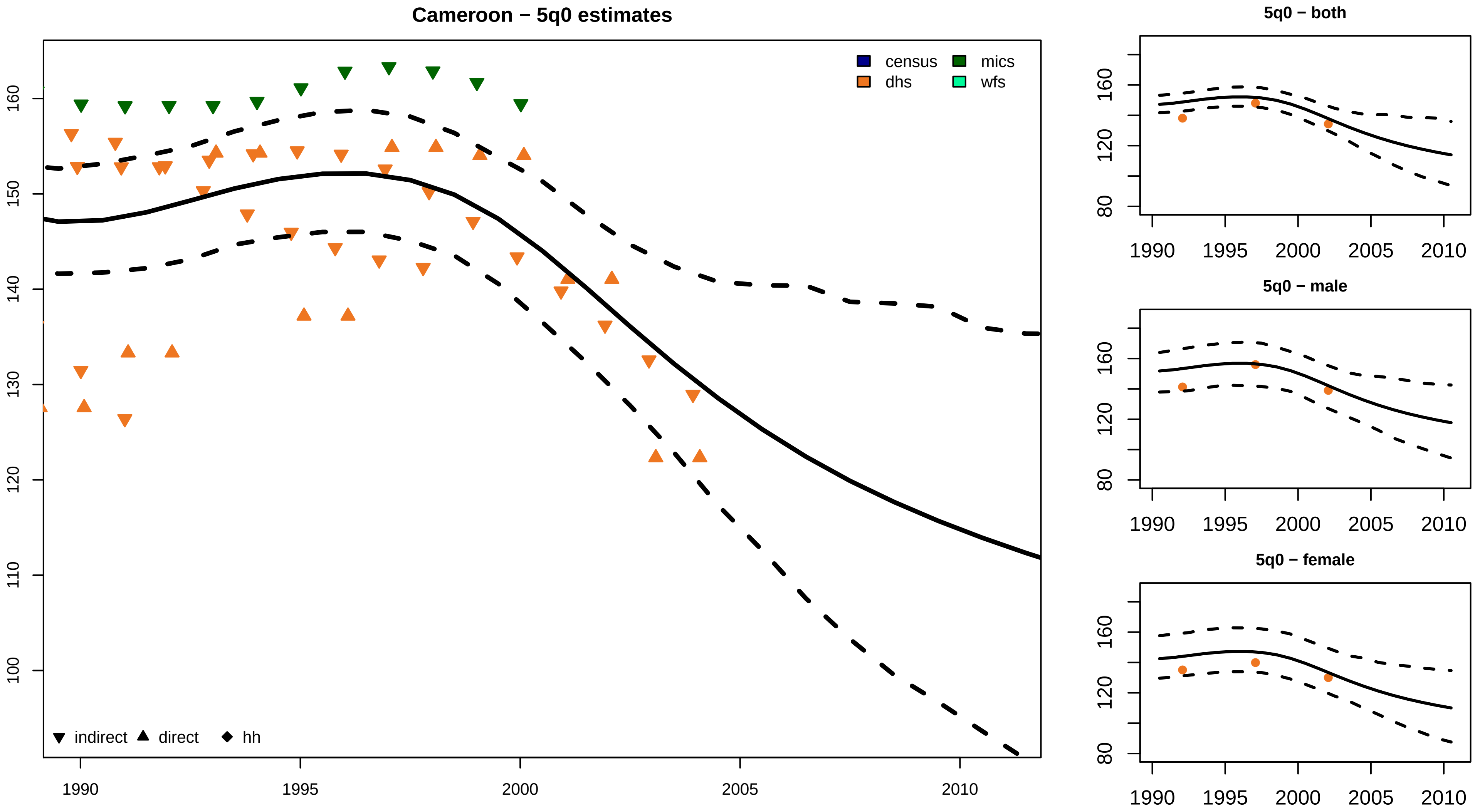

Burundi – 5q0 estimates
census
mics
dhs
other
indirect
direct
hh
200
180
160
140
120
100
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
220
160
100


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
15
25
35
8
12
16
20
40
60
80
120
1990
2000
2010

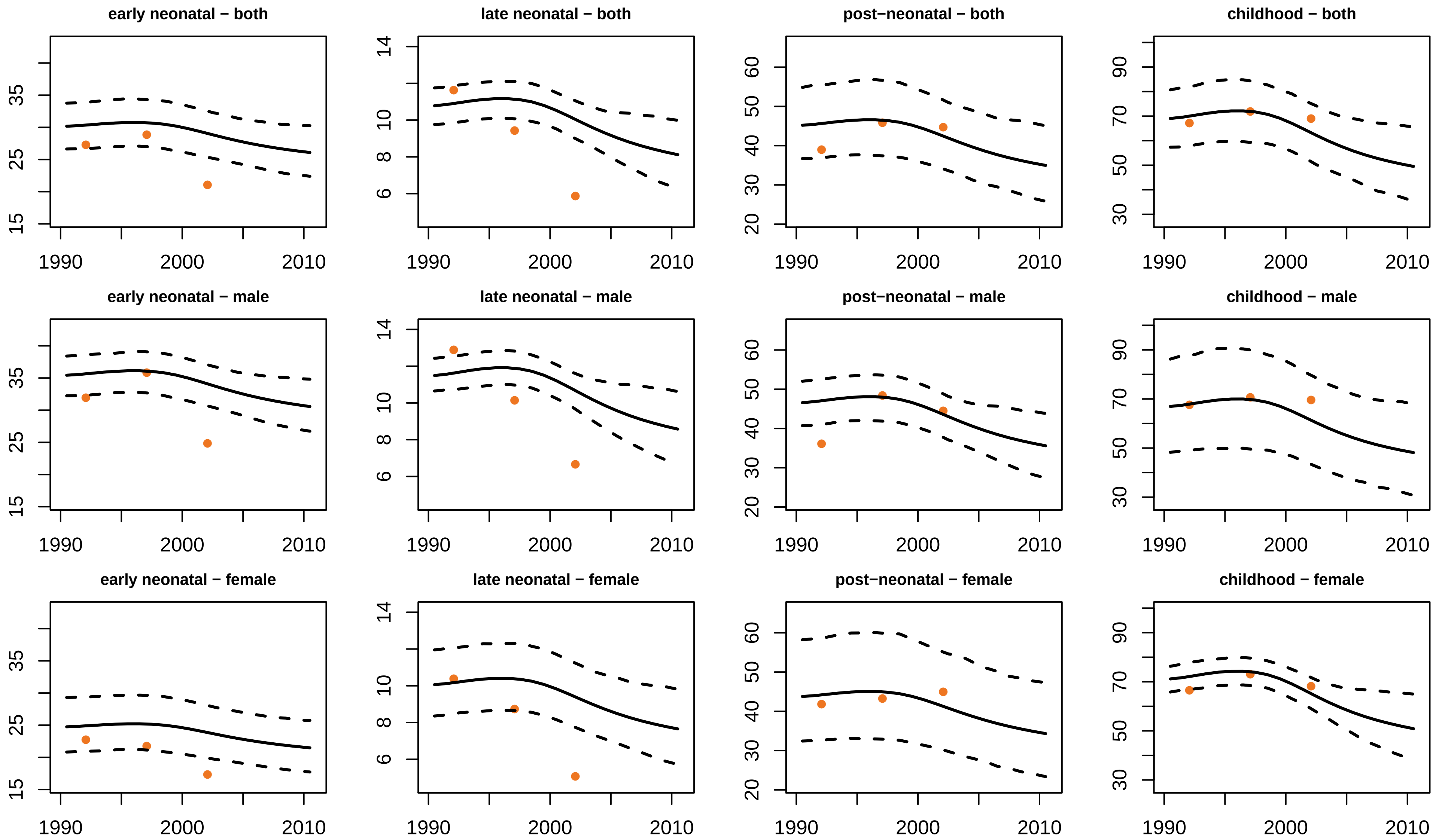

Cambodia − 5q0 estimates
census
dhs
dhsother
other
indirect
direct
hh
120
100
80
60
40
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

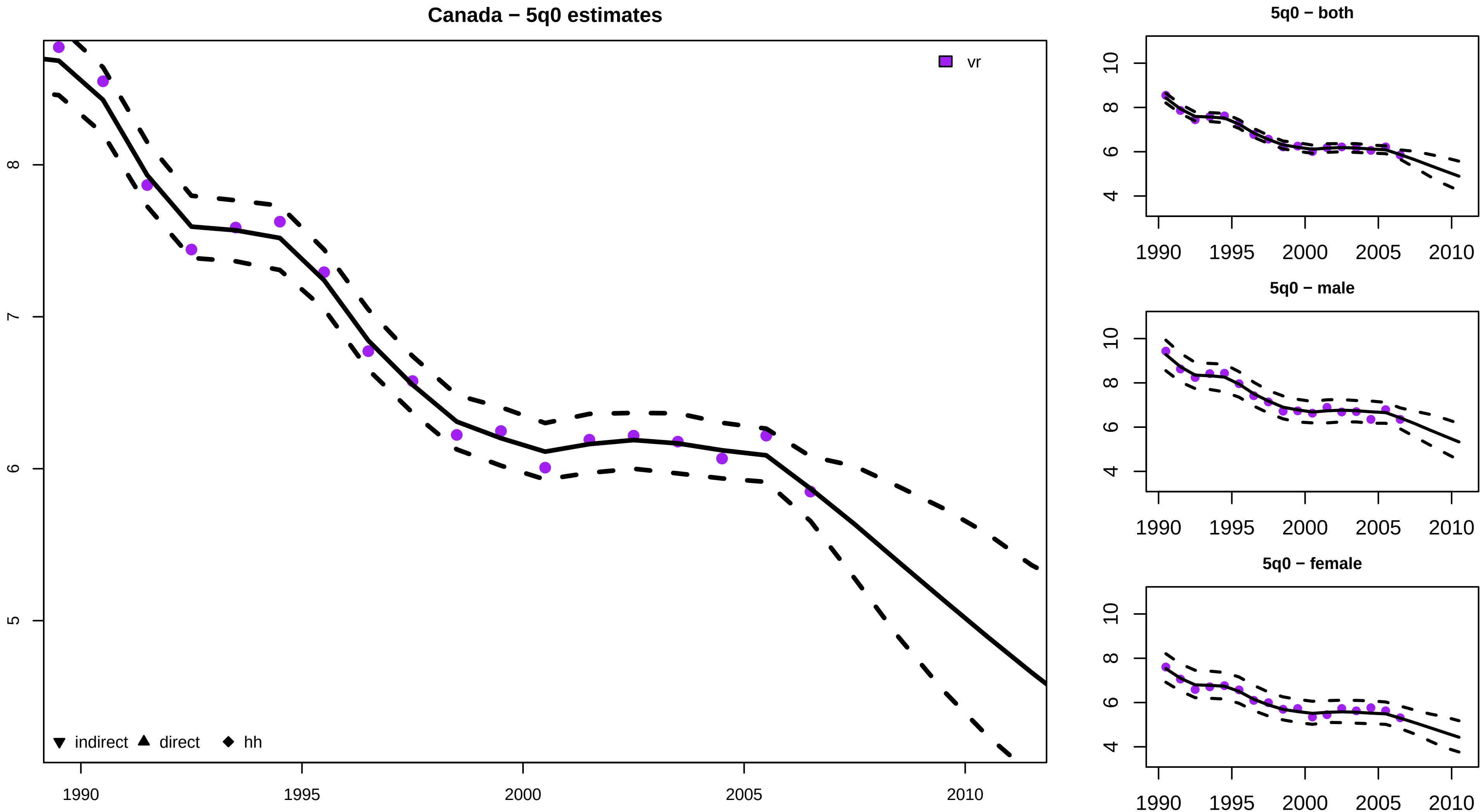


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

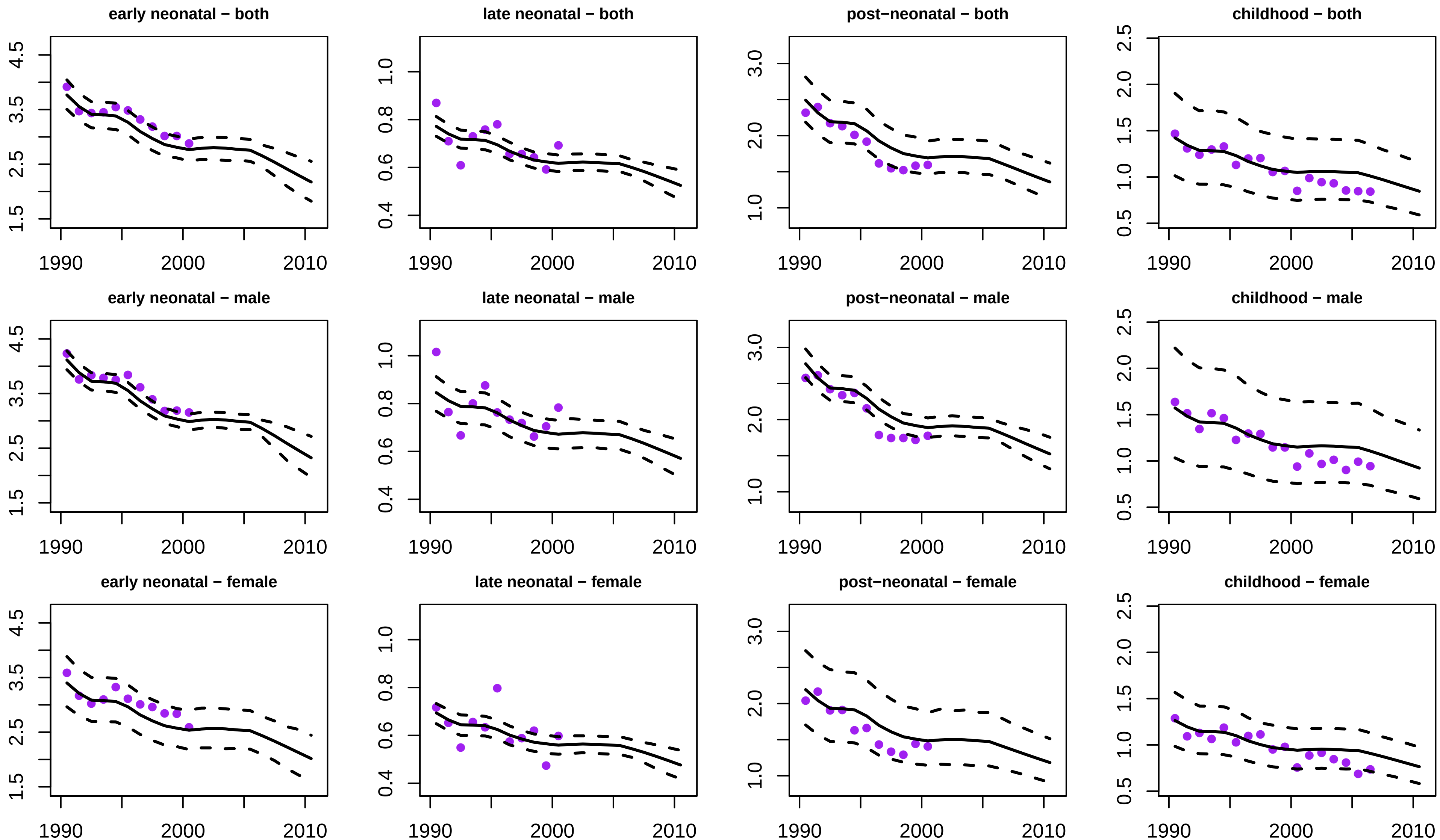


Cameroon − 5q0 estimates
census
mics
dhs
wfs
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female

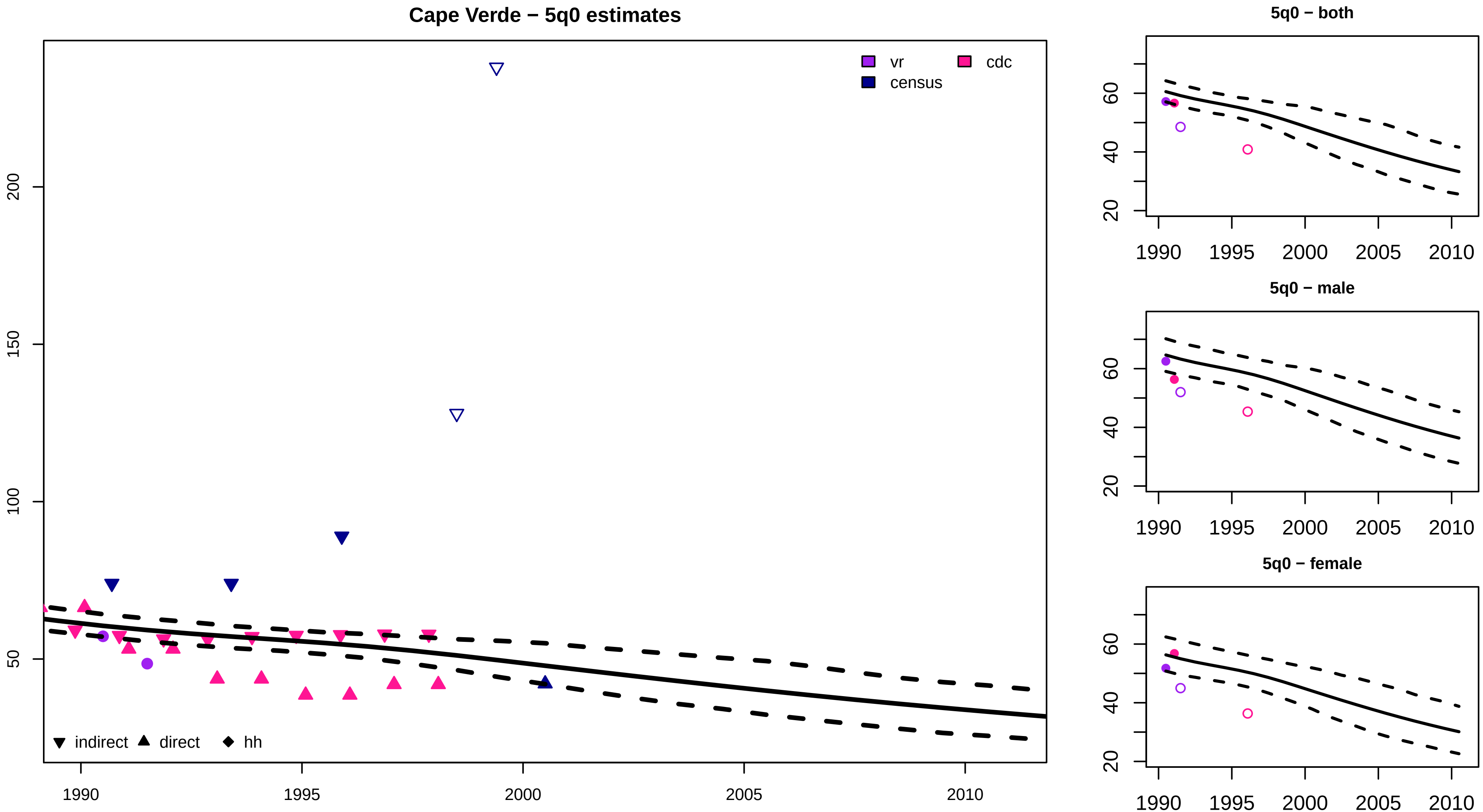

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
15
25
35
6
8
10
14
20
30
40
50
60
30
50
70
90
1990
2000
2010



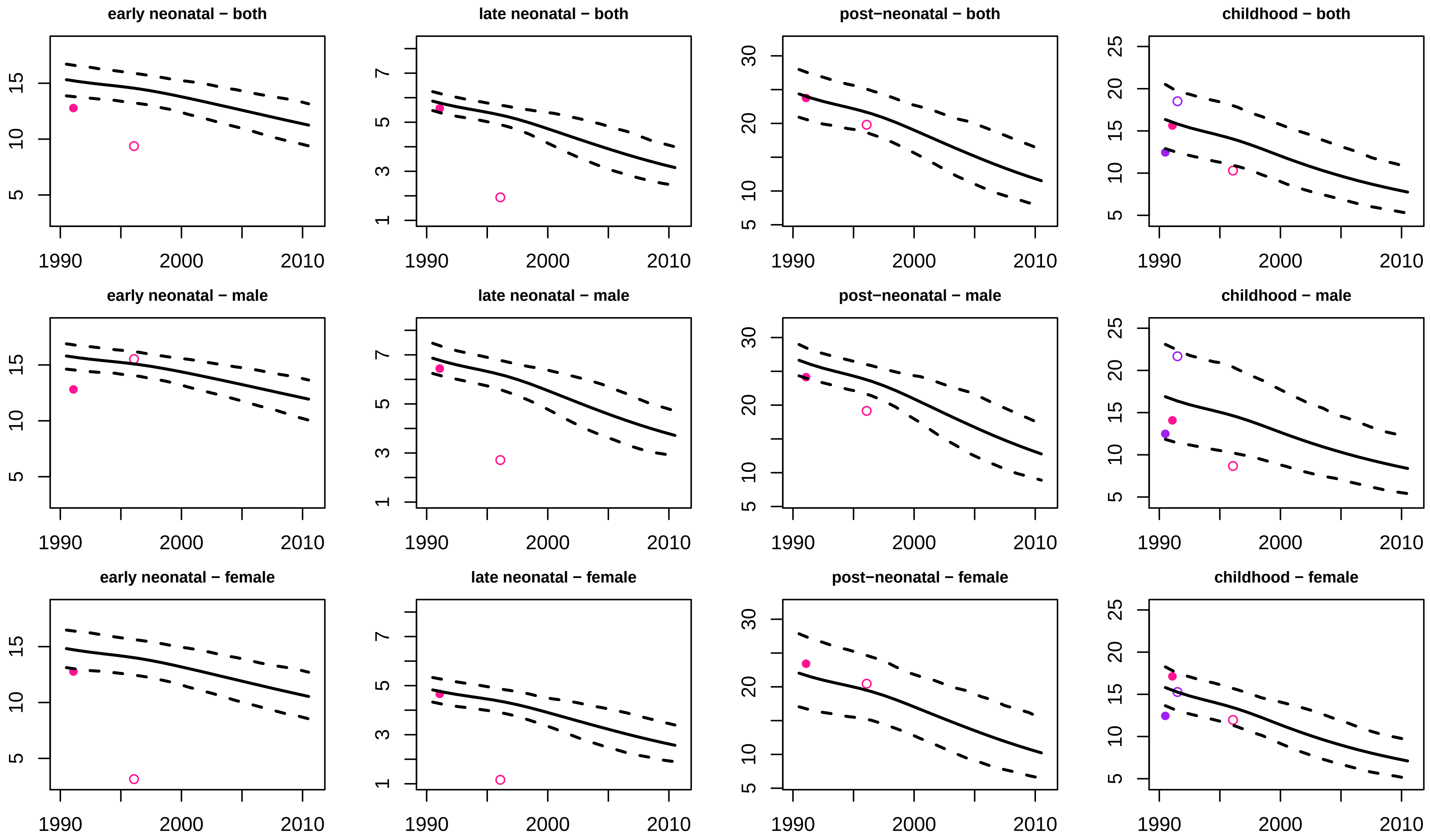
Canada − 5q0 estimates
vr
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female

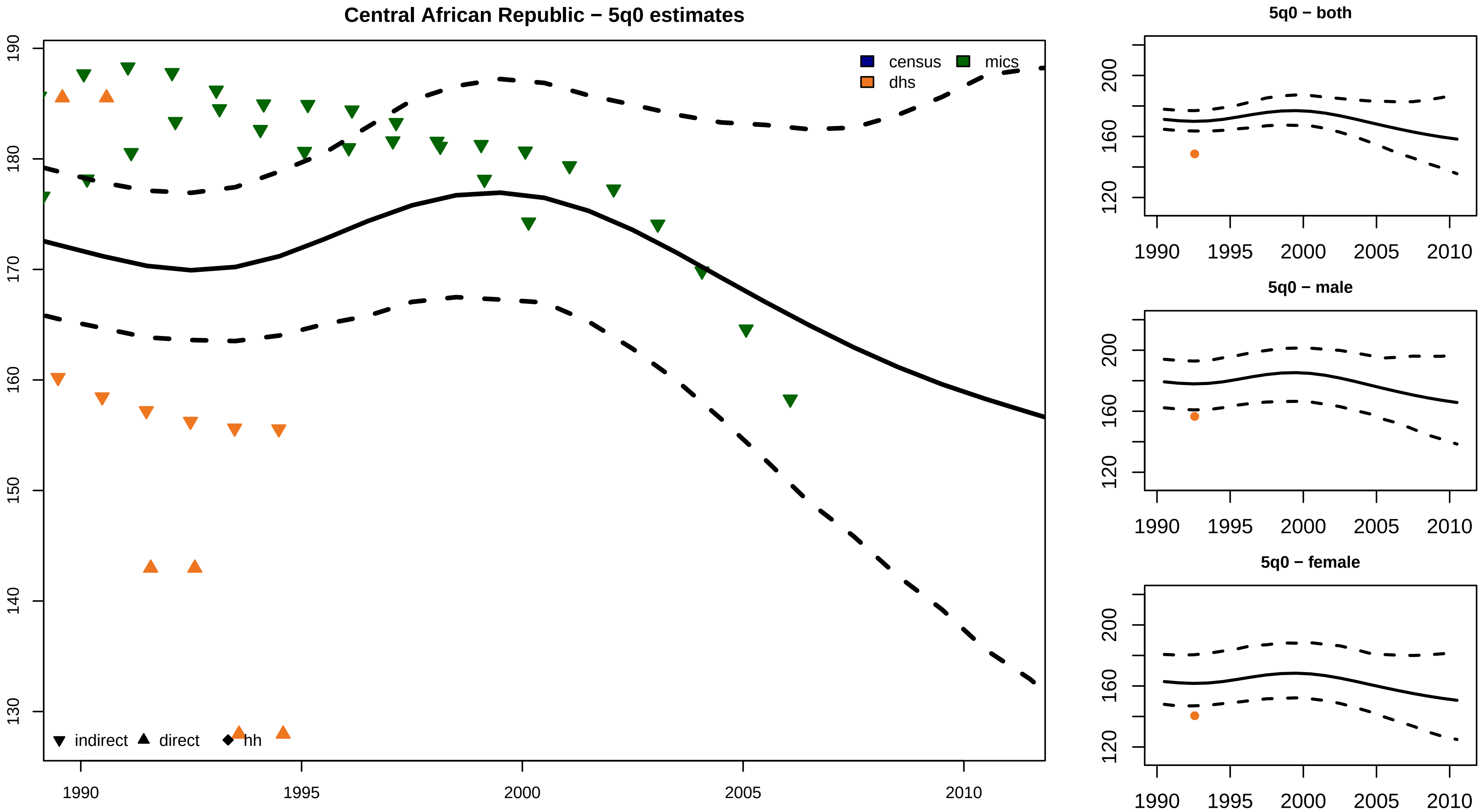


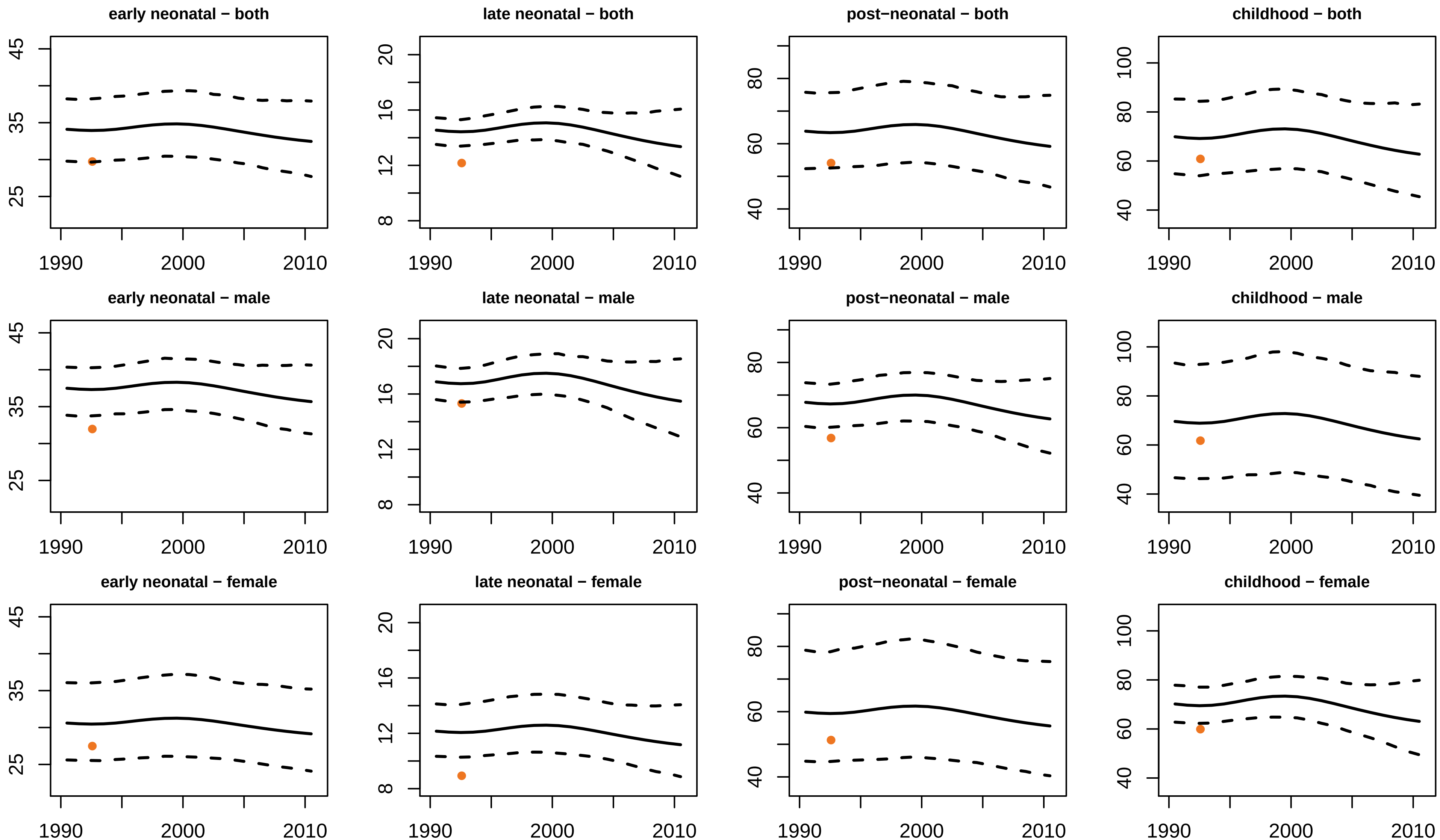
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
1.5
2.5
3.5
4.5
0.4
0.6
0.8
1.0
2.0
3.0
0.5
1.5
2.5



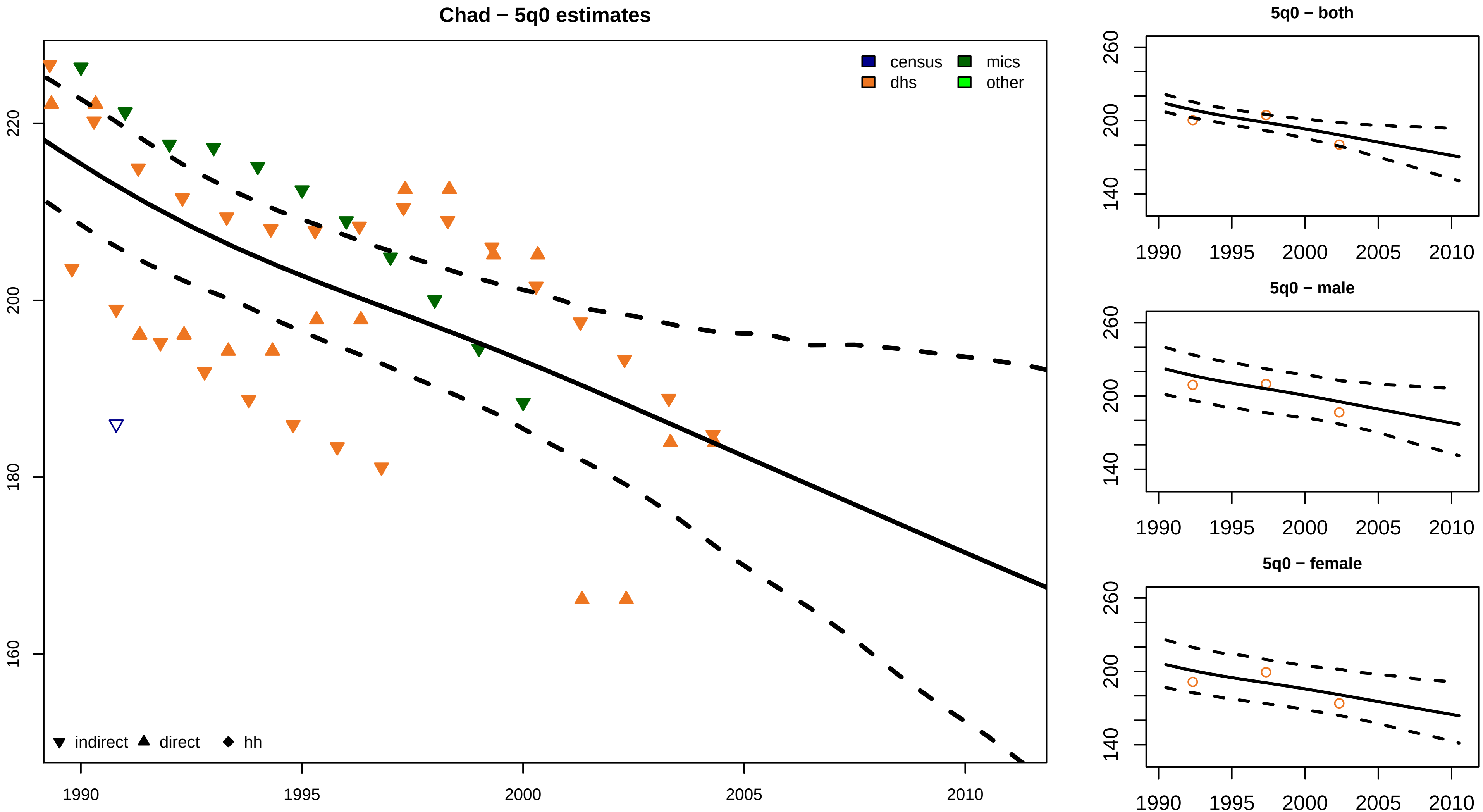
Cape Verde − 5q0 estimates
vr
cdc
census
indirect
direct
hh
50
100
150
200
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
20
40
60

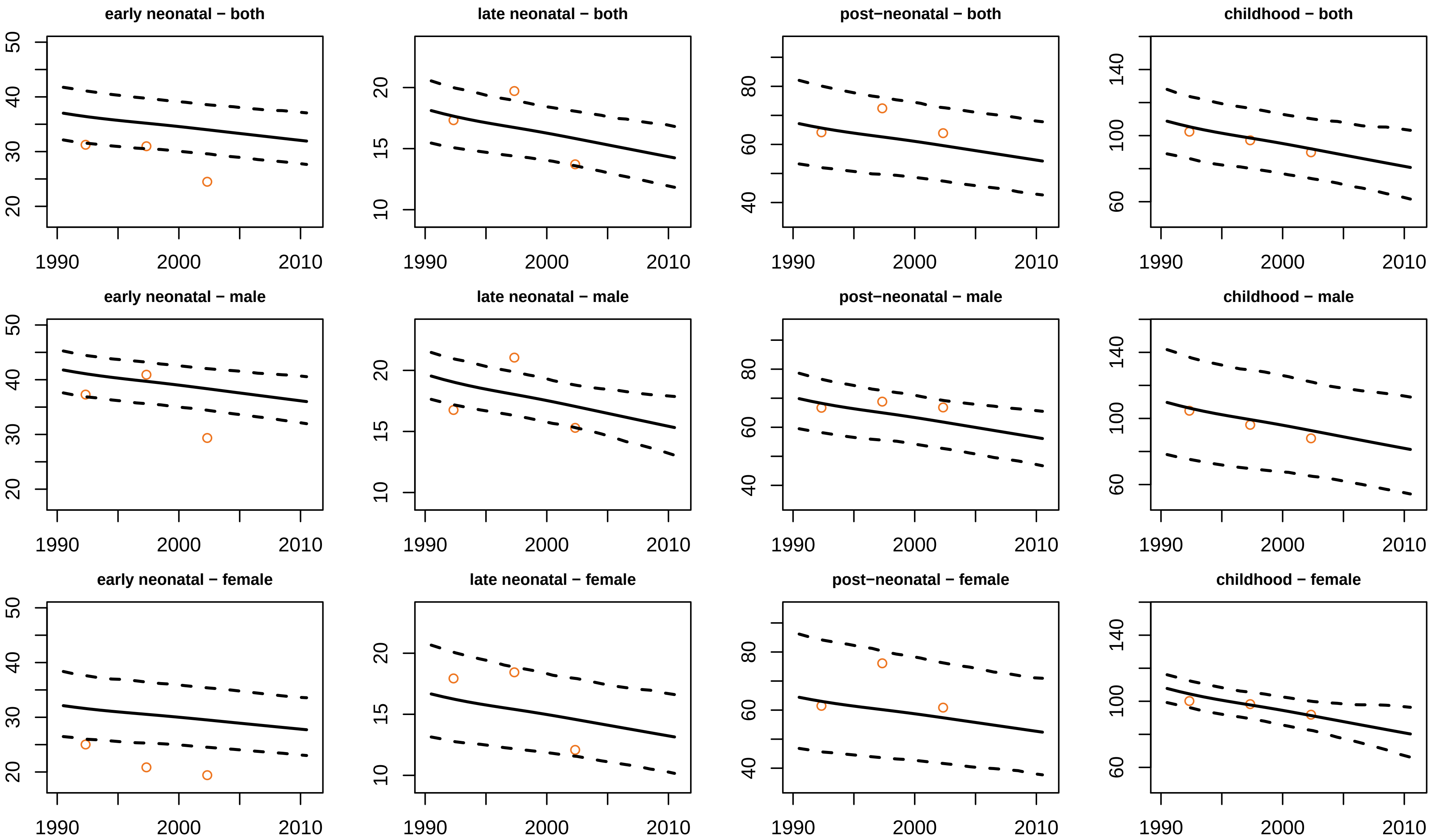

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female


Central African Republic − 5q0 estimates
census
mics
dhs
indirect
direct
hh
190
180
170
160
150
140
130
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
200
160
120

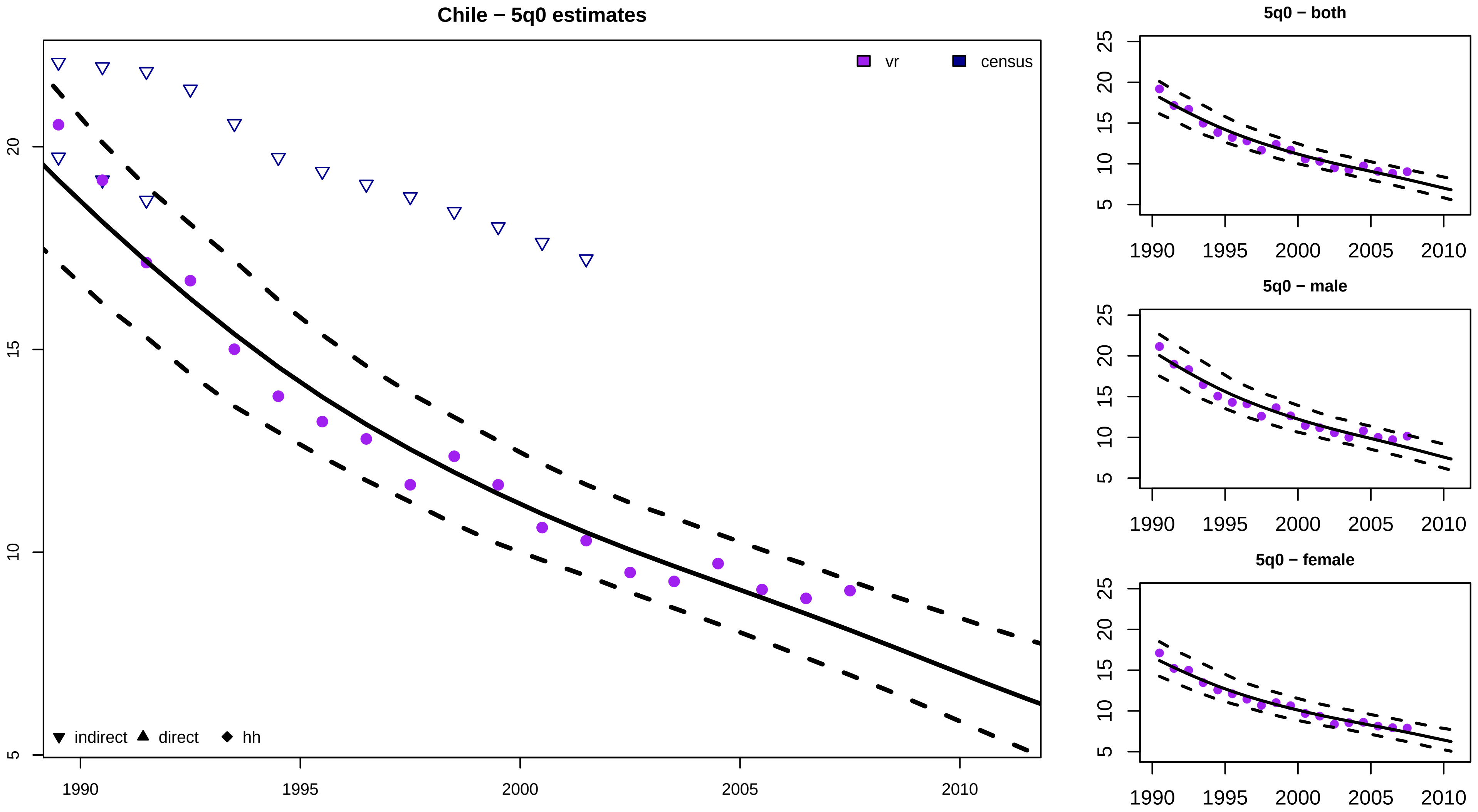


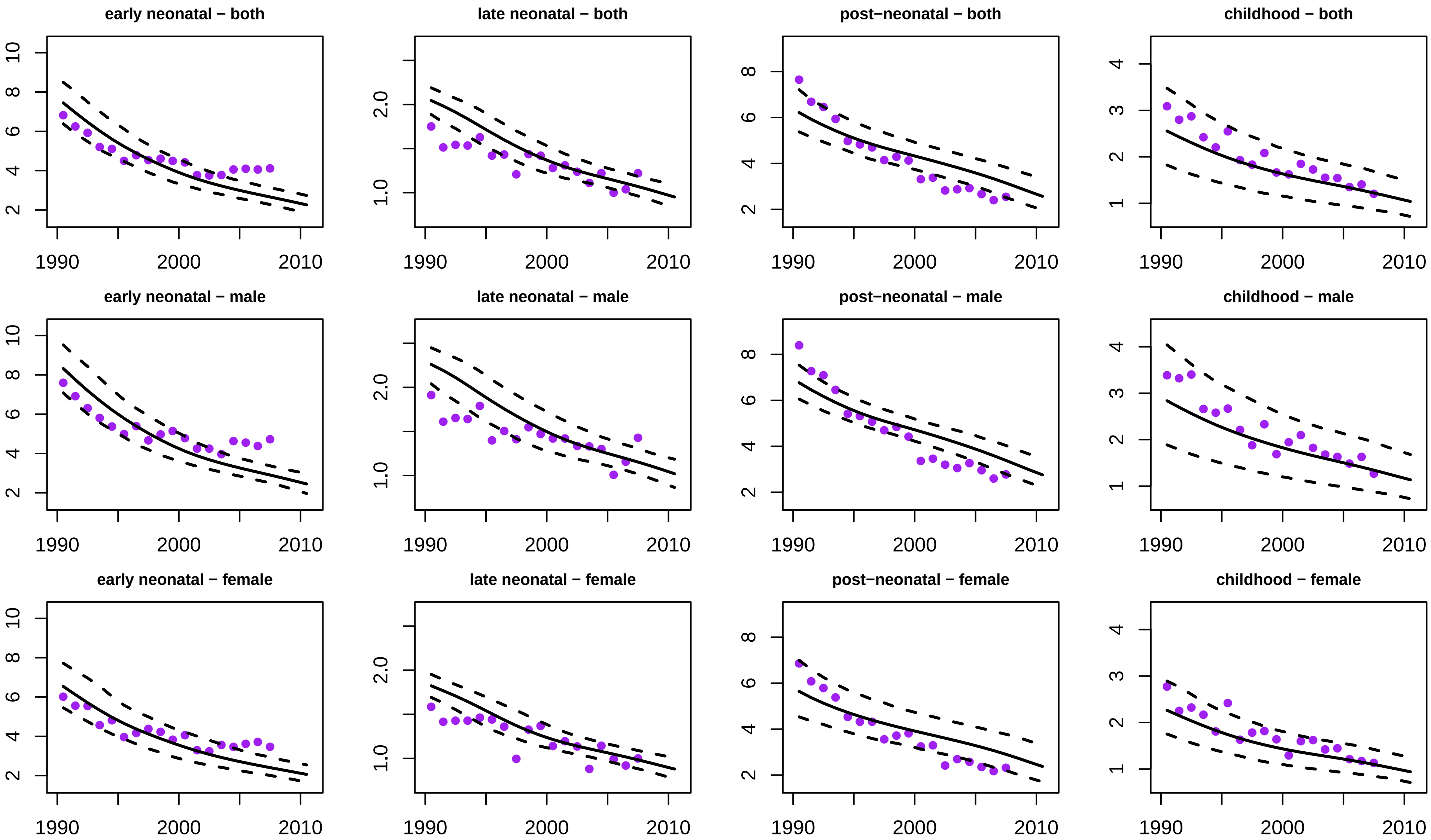
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
25
35
45
8
12
16
20
40
60
80
100
1990
2000
2010


Chad − 5q0 estimates
census
mics
dhs
other
indirect
direct
hh
220
200
180
160
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
260
200
140
1990
1995
2000
2005
2010

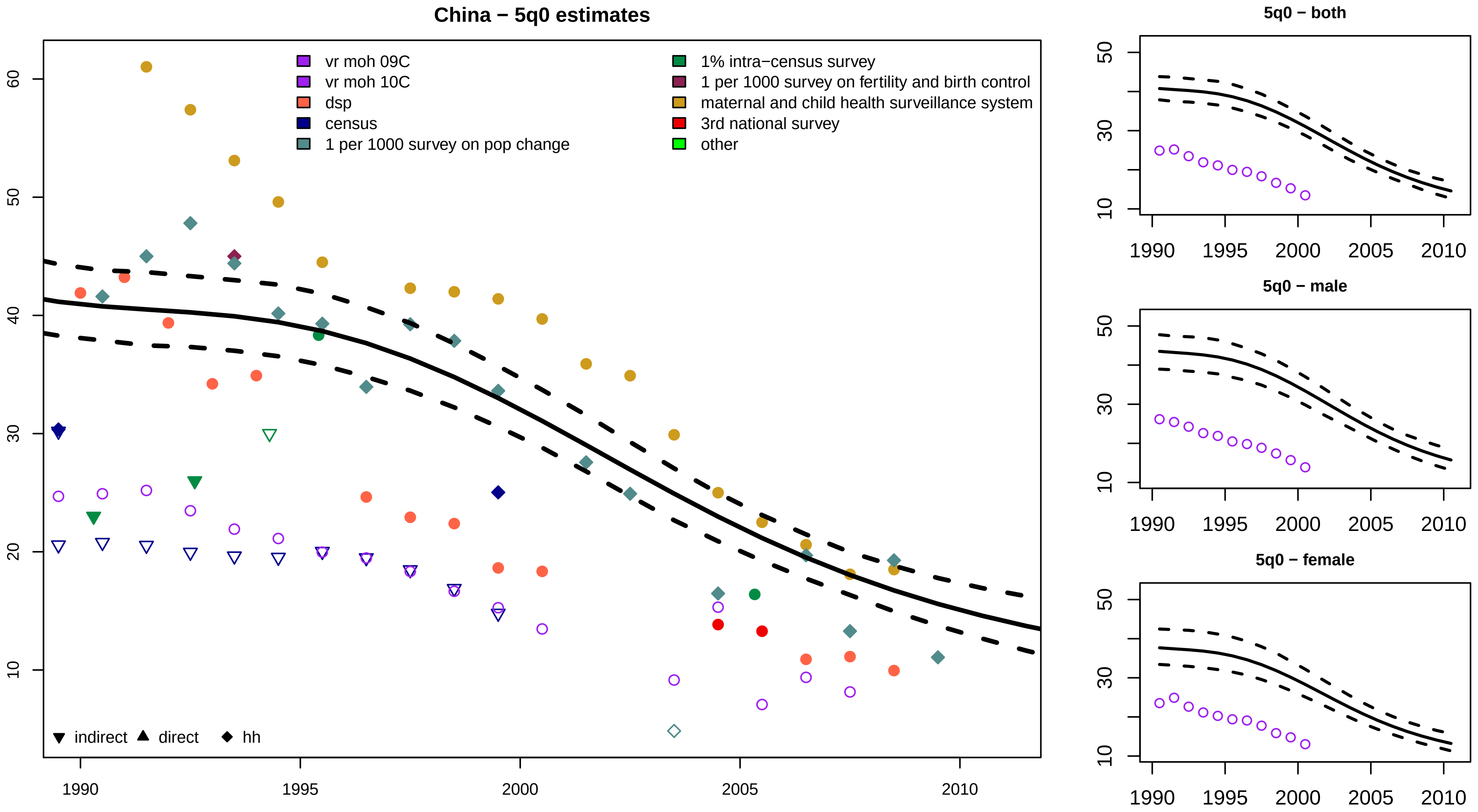


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

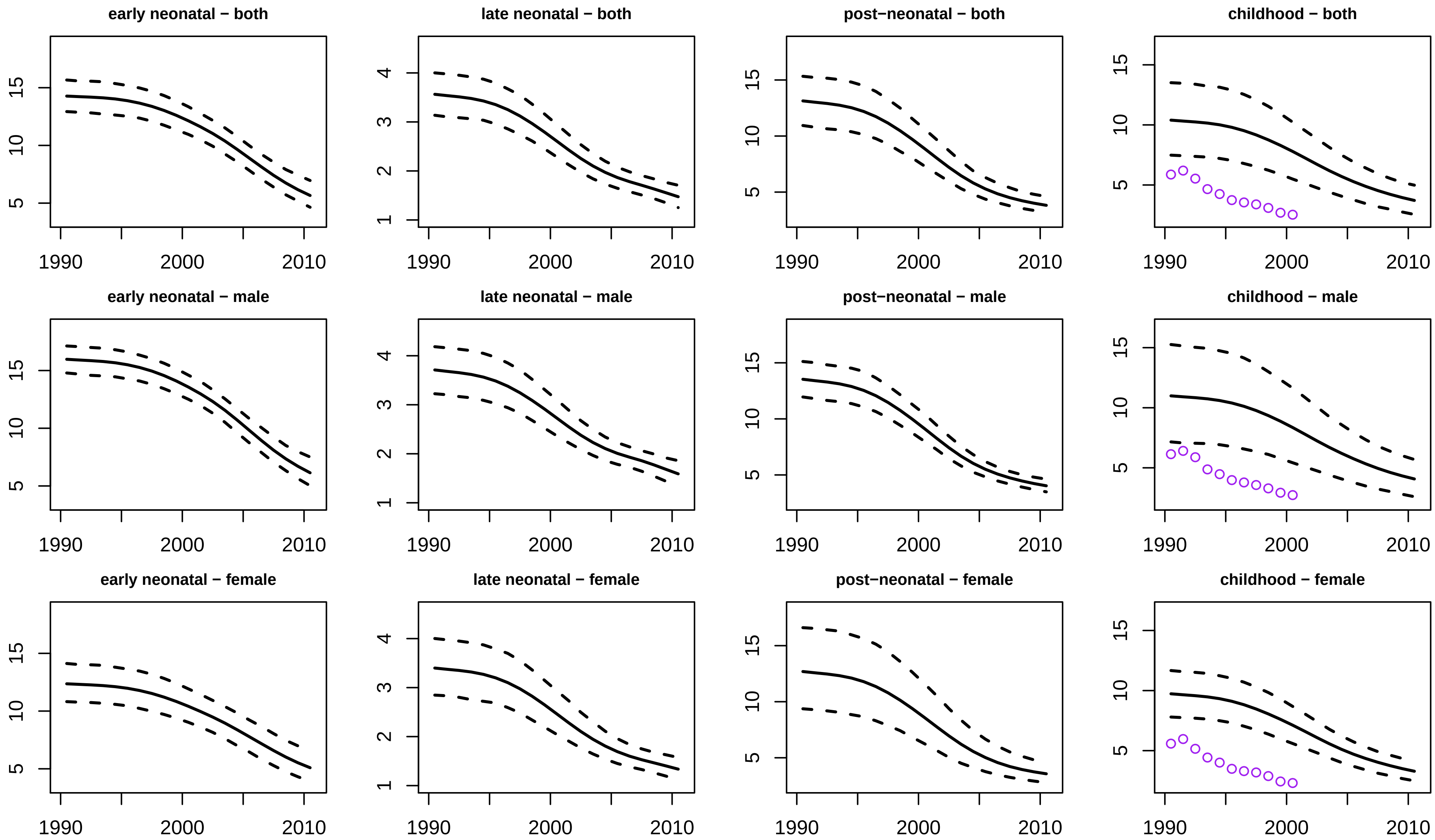

Chile − 5q0 estimates
vr
census
indirect
direct
hh
5
10
15
20
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
5
10
15
20
25



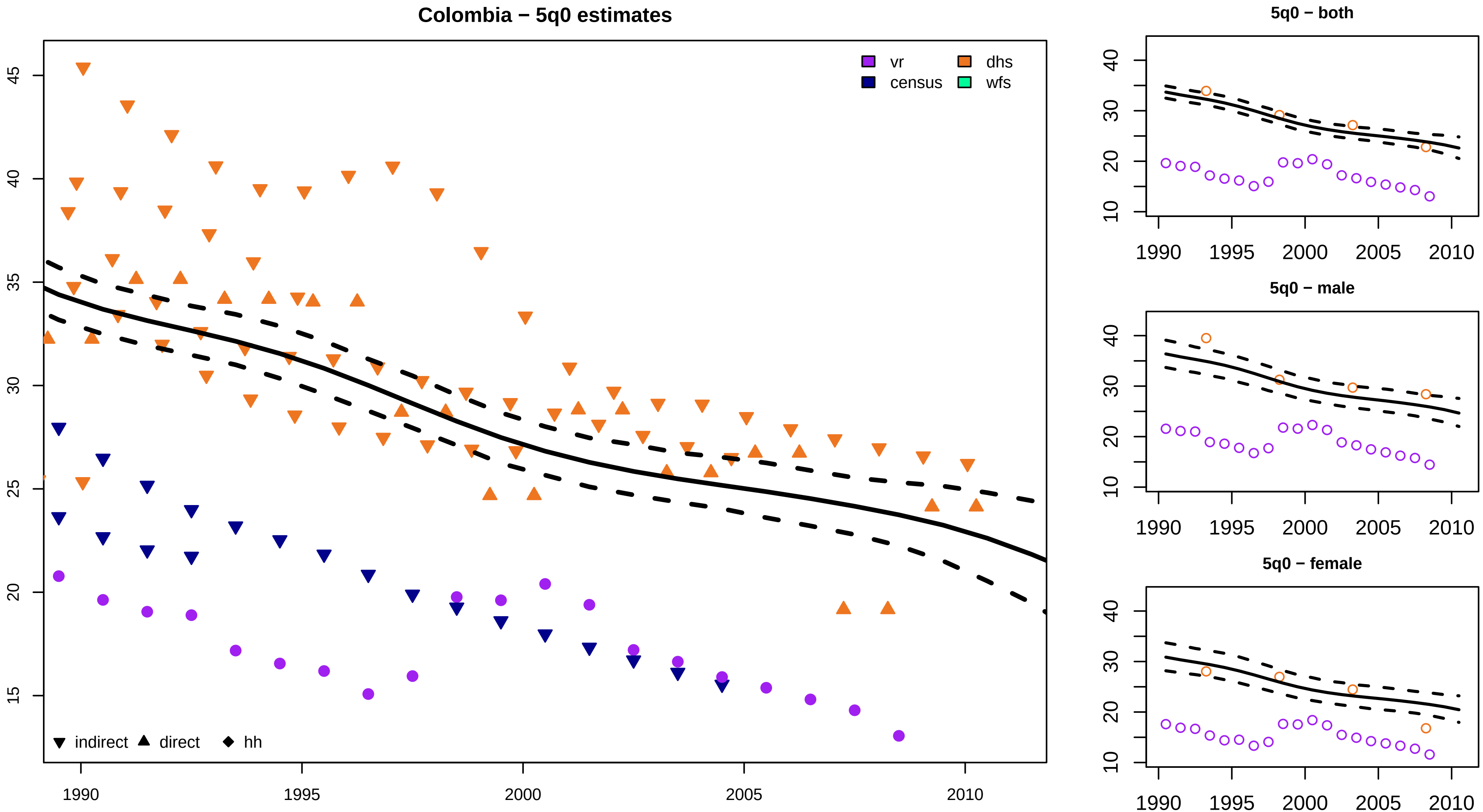
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



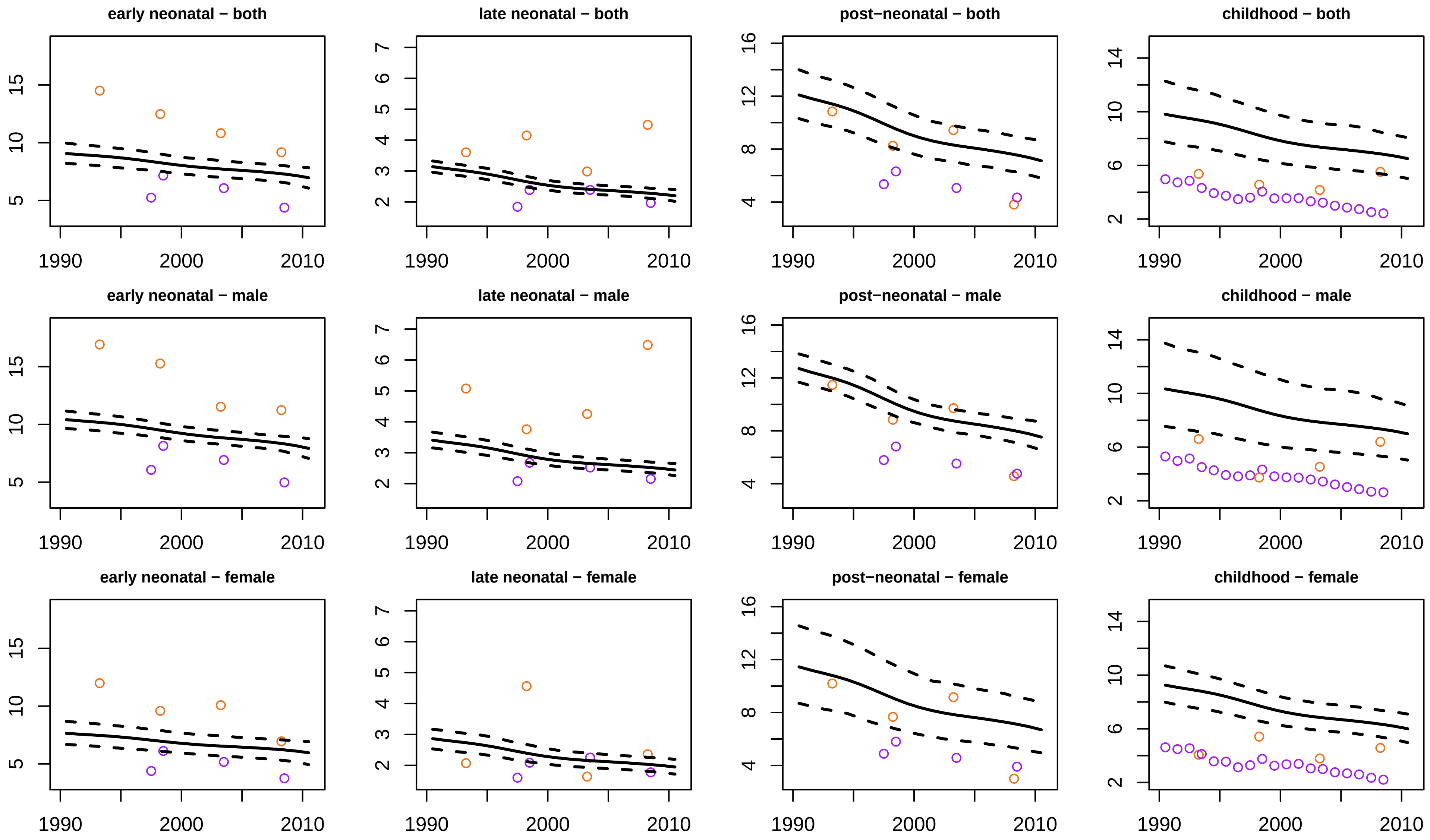
China − 5q0 estimates
vr moh 09C
vr moh 10C
dsp
census
1 per 1000 survey on pop change
1% intra−census survey
1 per 1000 survey on fertility and birth control
maternal and child health surveillance system
3rd national survey
other
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female

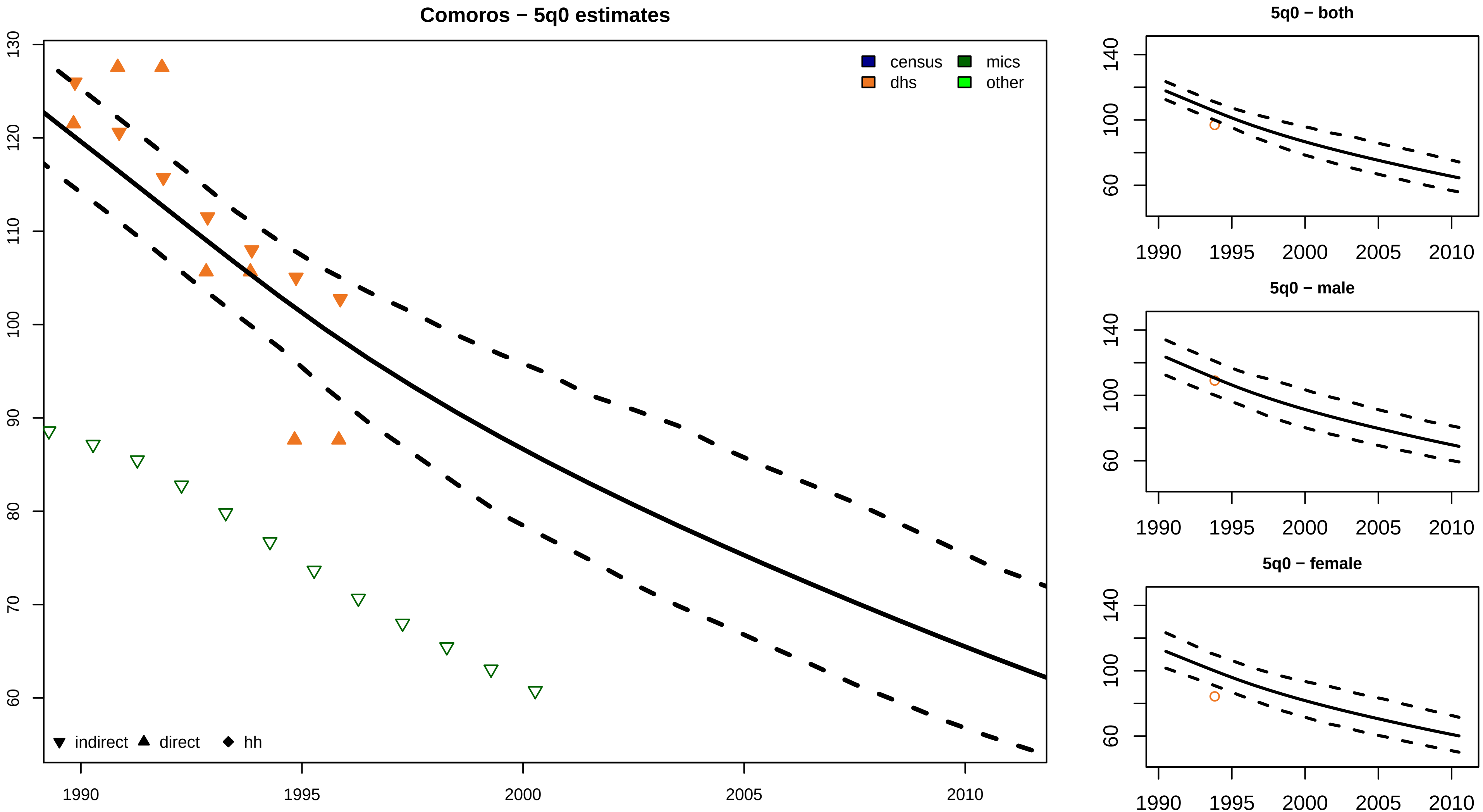


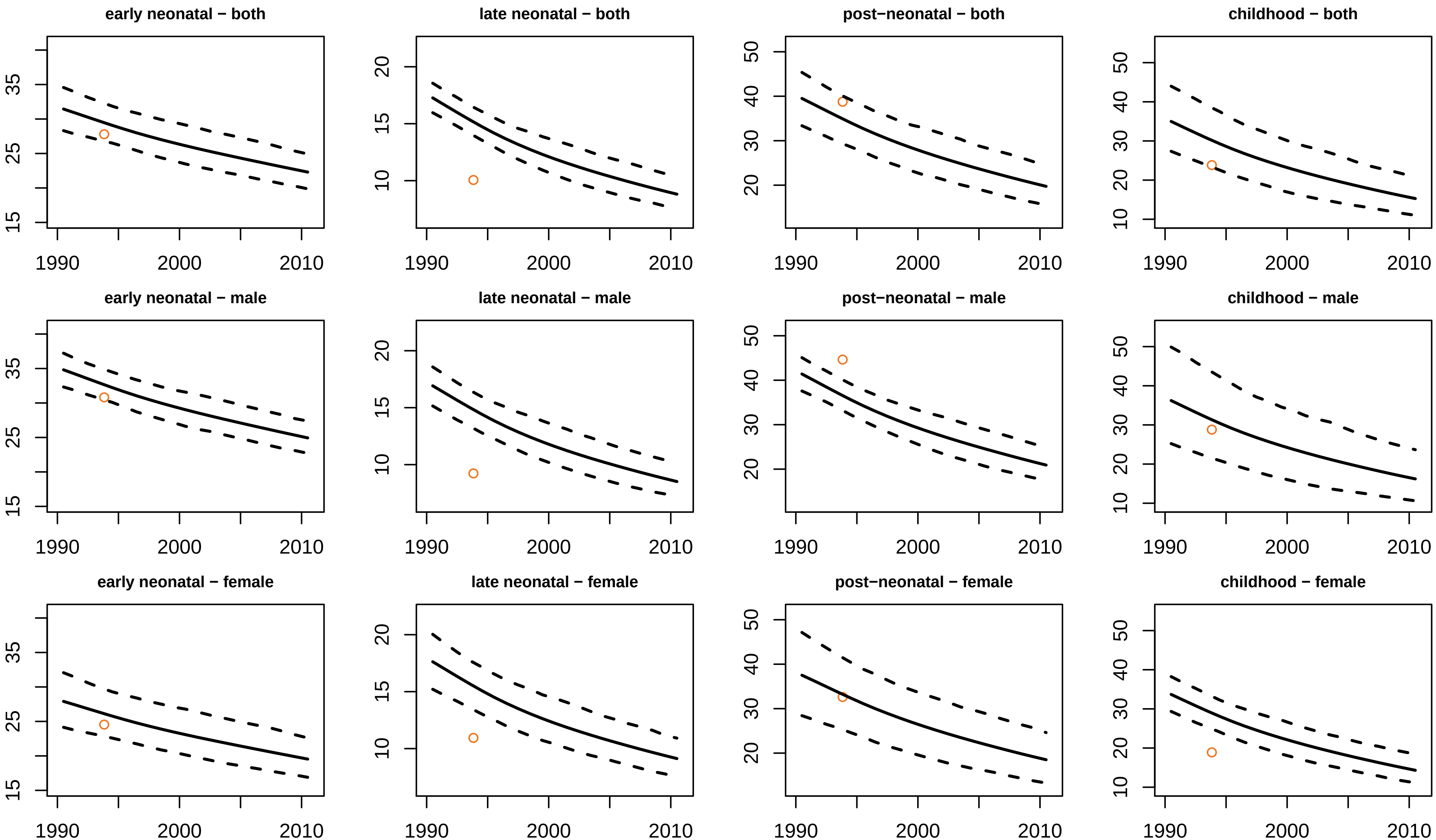
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

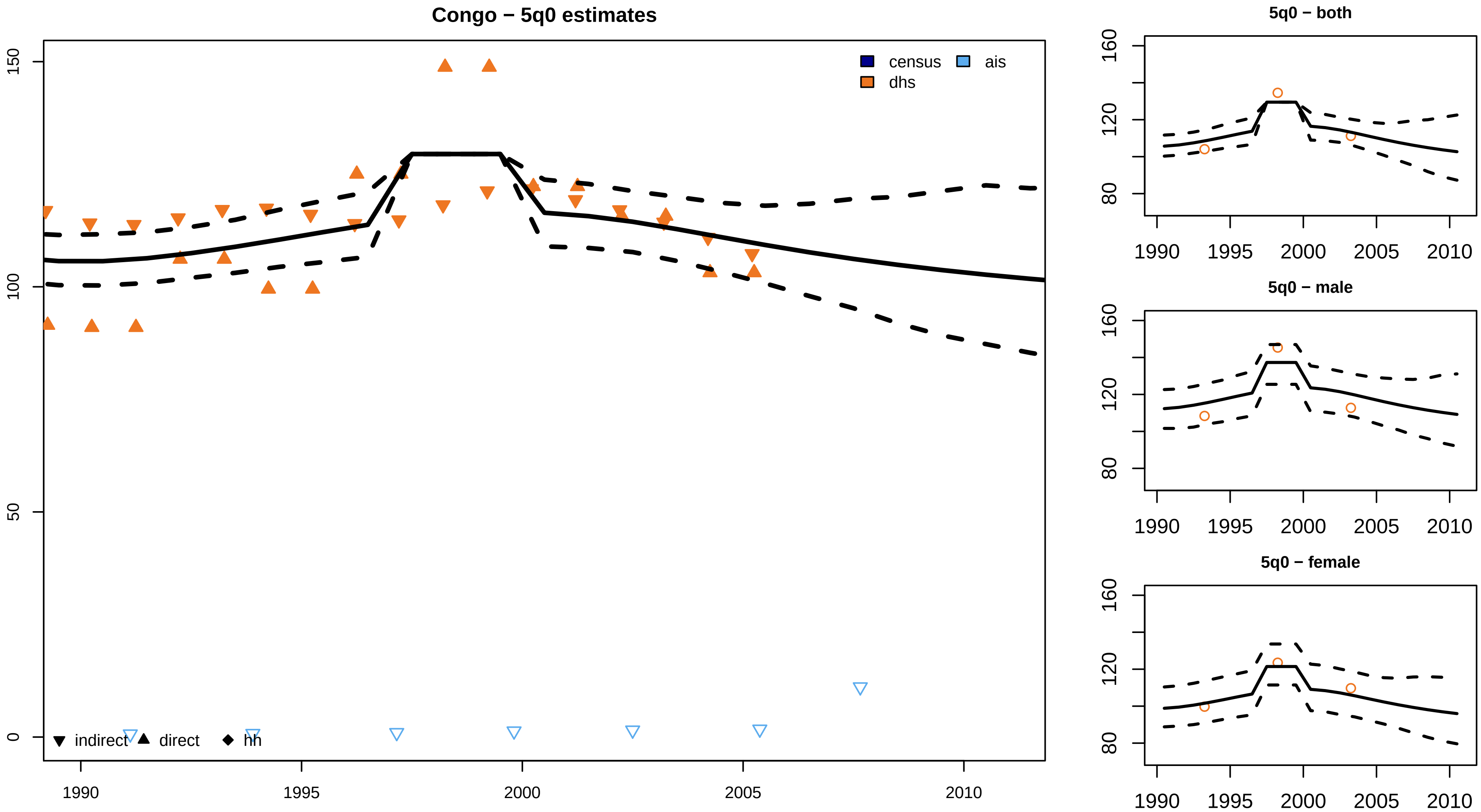


Colombia – 5q0 estimates
vr
census
dhs
wfs
indirect
direct
hh
45
40
35
30
25
20
15
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
10
20
30
40

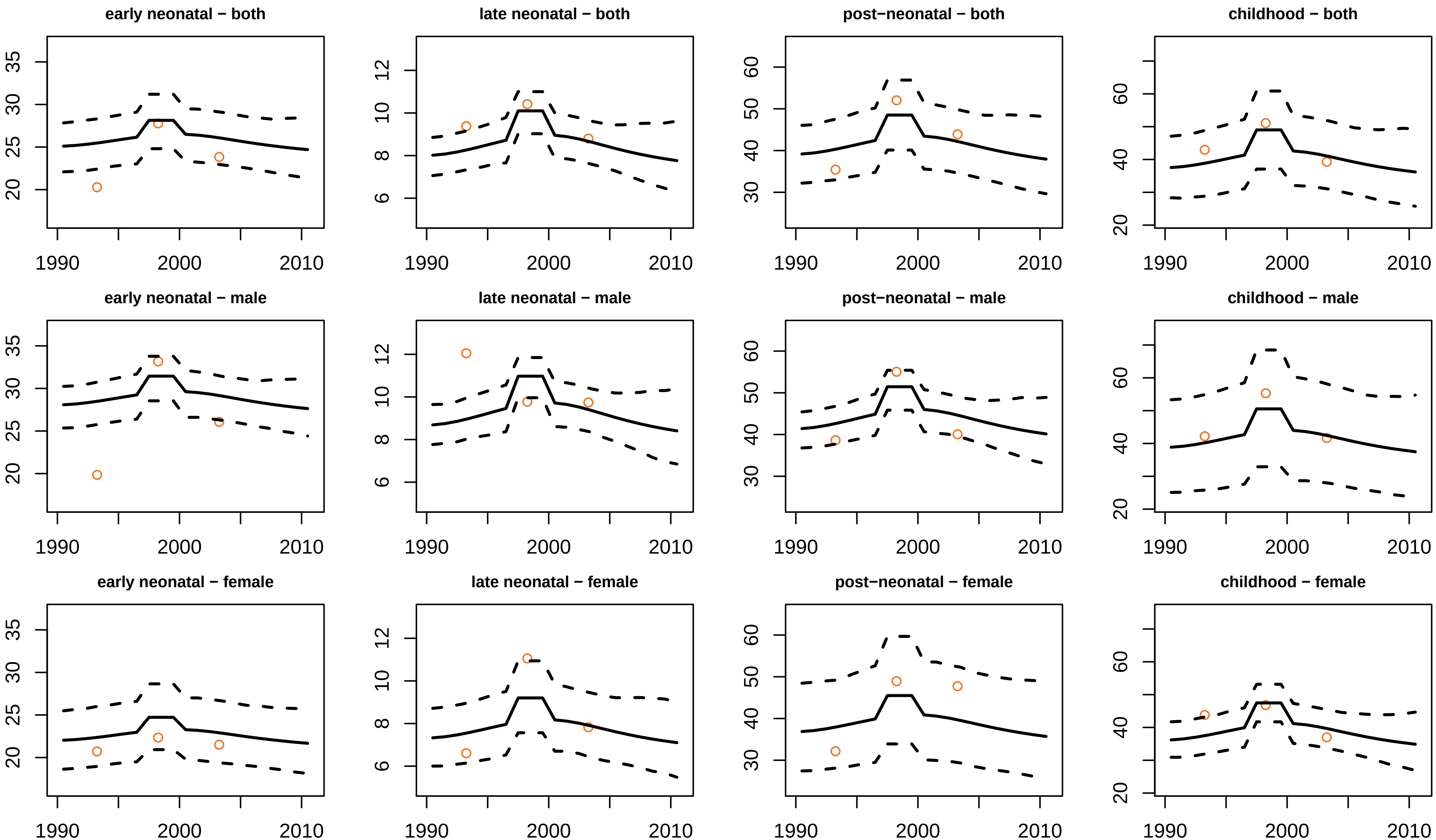

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

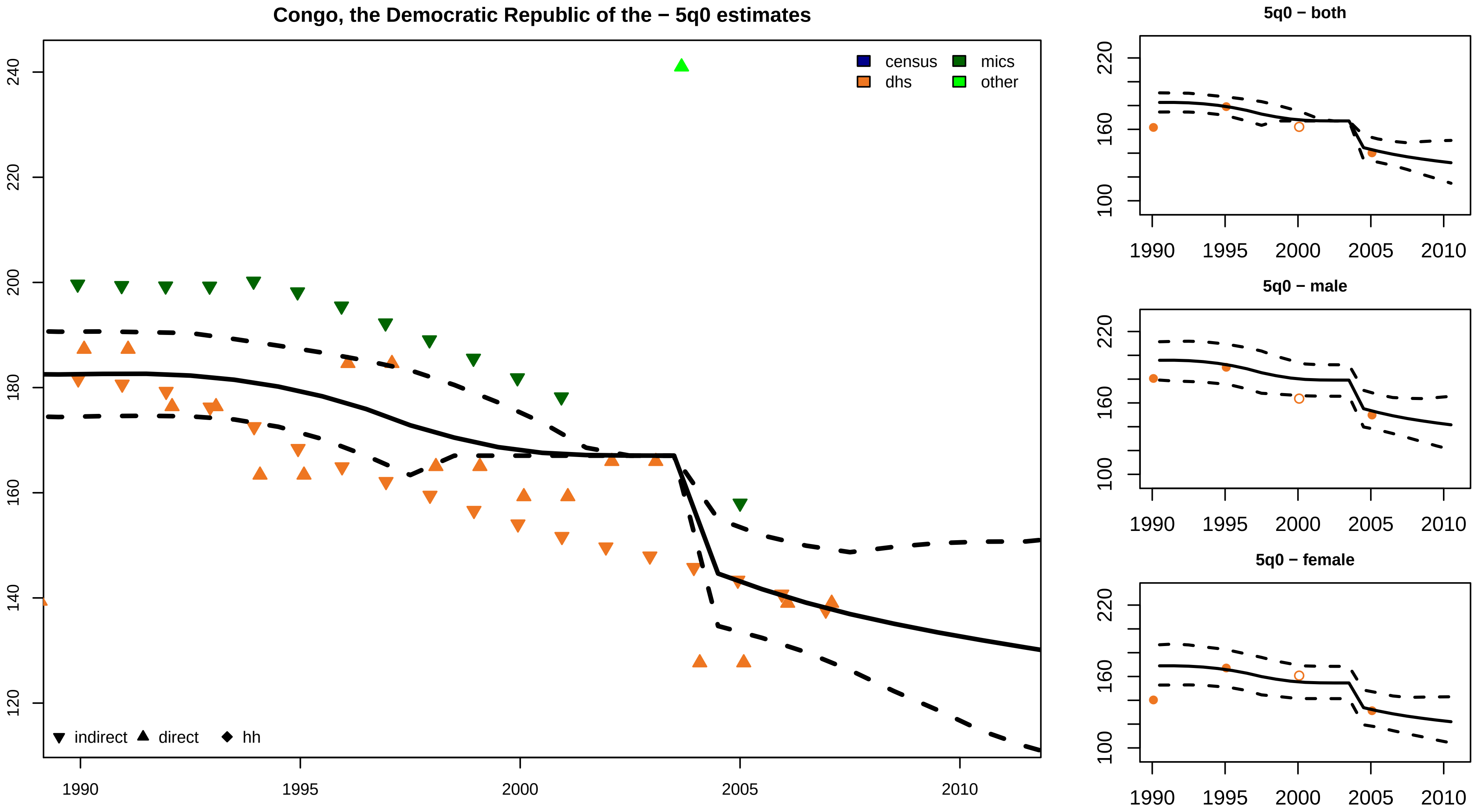

Comoros − 5q0 estimates
census
mics
dhs
other
indirect
direct
hh
130
120
110
100
90
80
70
60
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
140
100
60

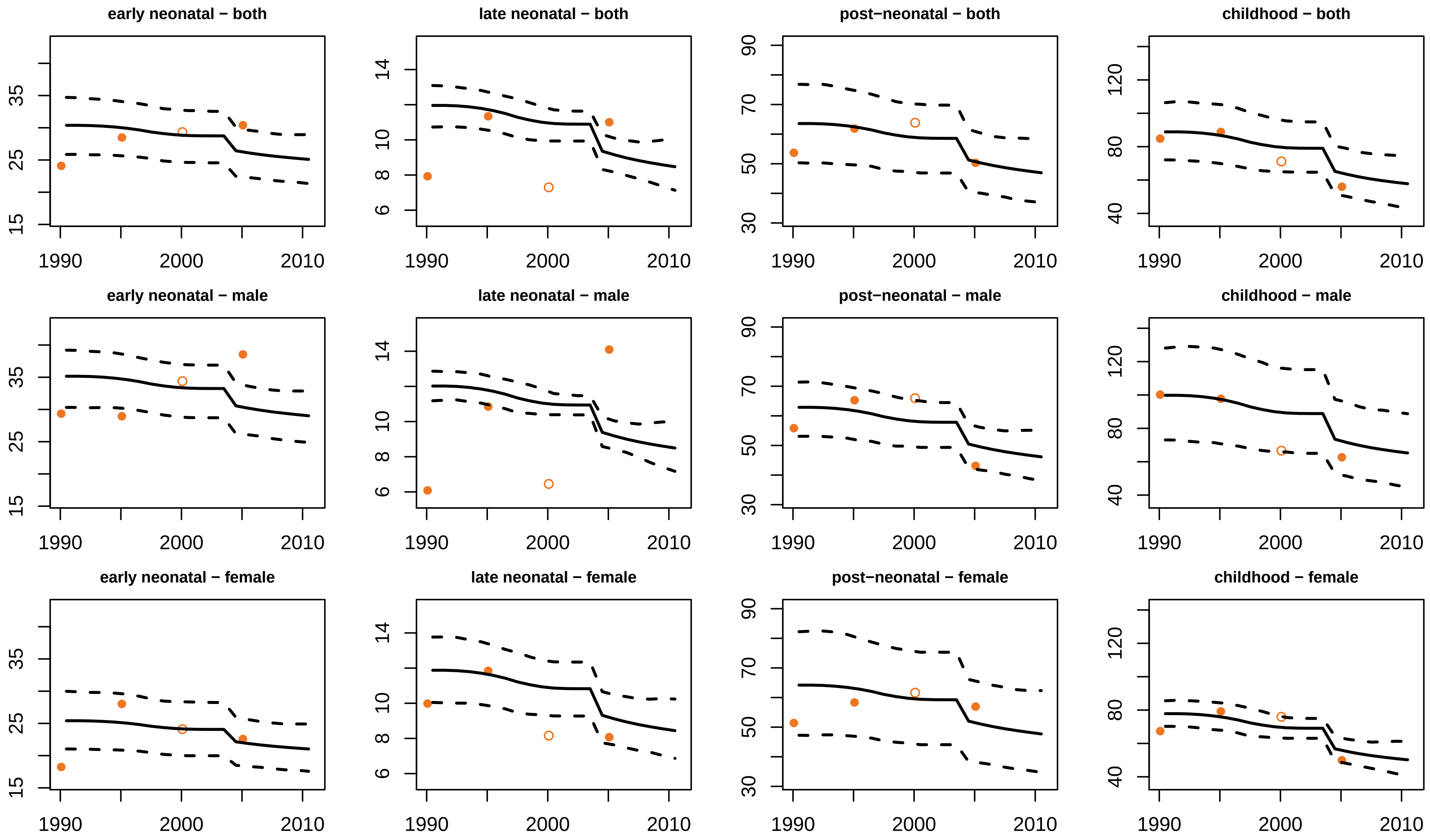

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



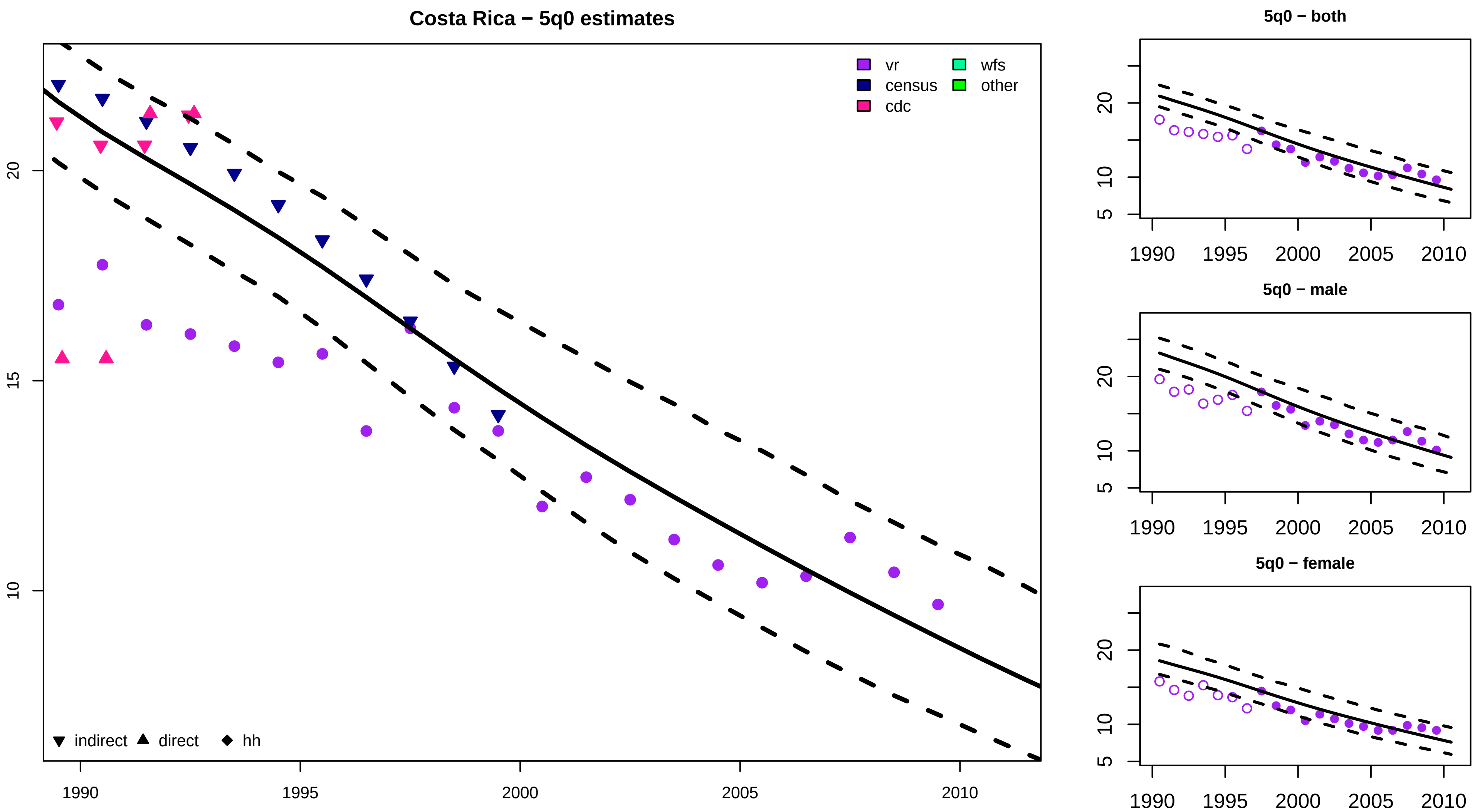
Congo − 5q0 estimates
census
ais
dhs
indirect
direct
hh
0
50
100
150
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
80
120
160


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

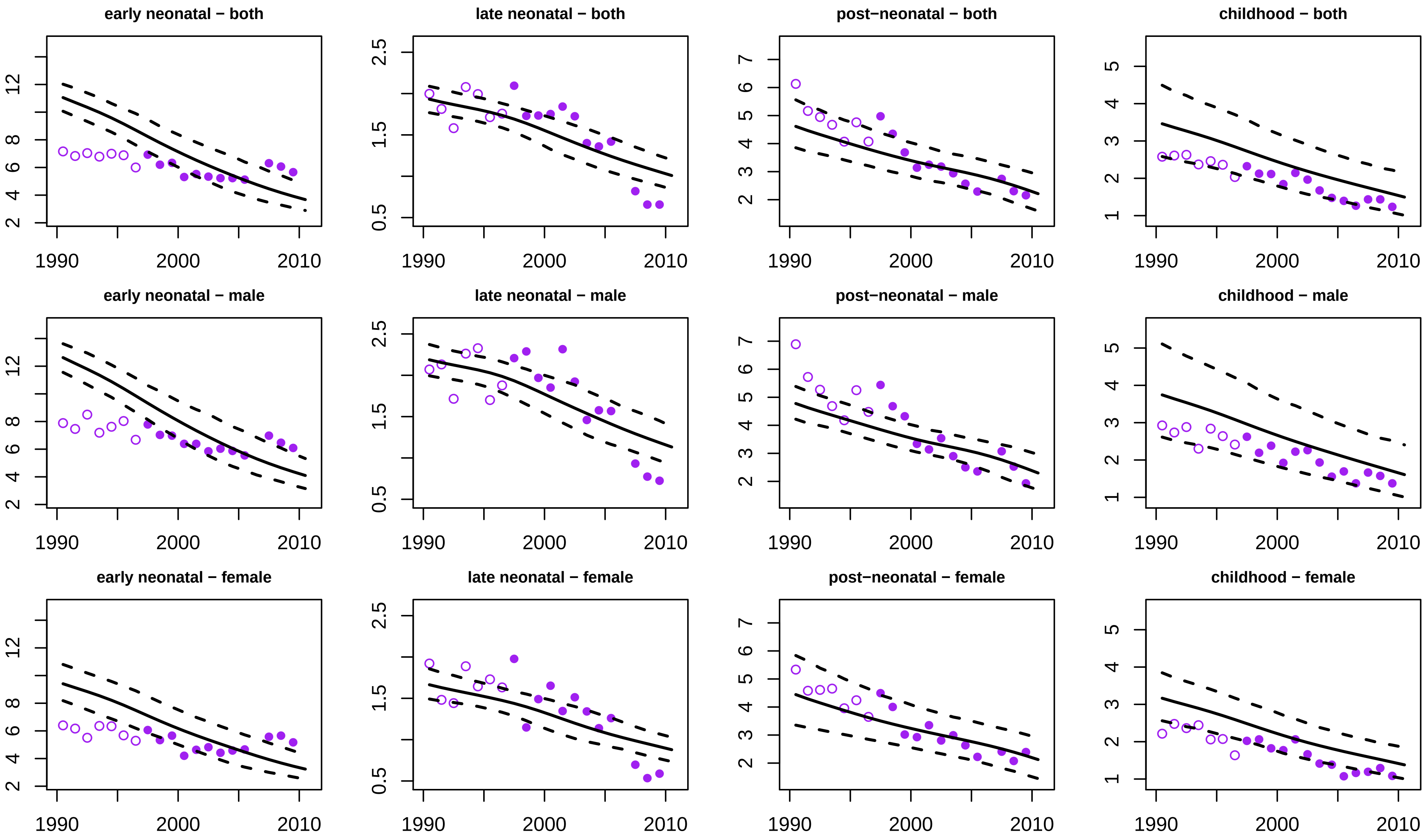

Congo, the Democratic Republic of the − 5q0 estimates
census
mics
dhs
other
indirect
direct
hh
240
220
200
180
160
140
120
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
220
160
100



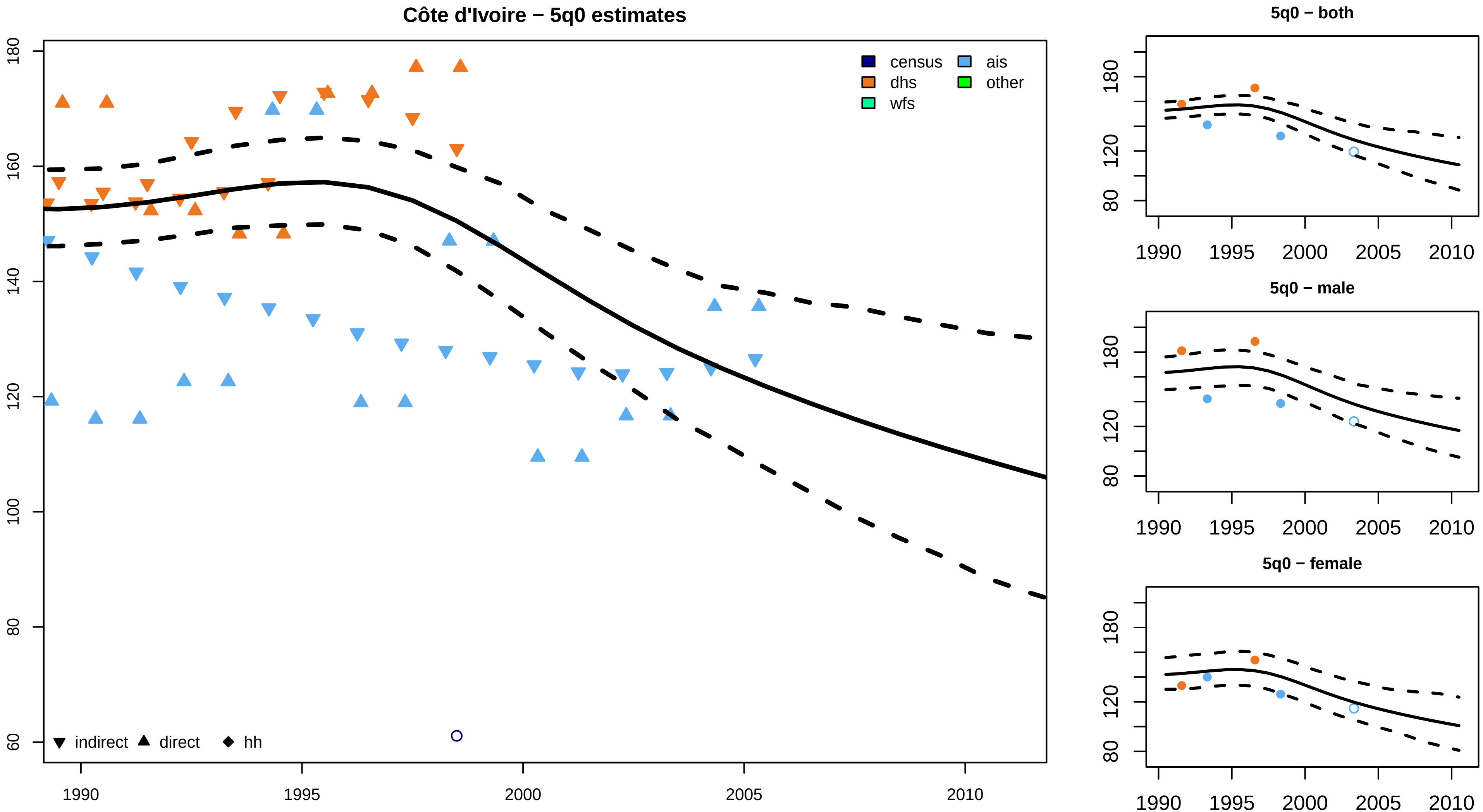
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
15
25
35
6
8
10
14
30
50
70
90
40
80
120

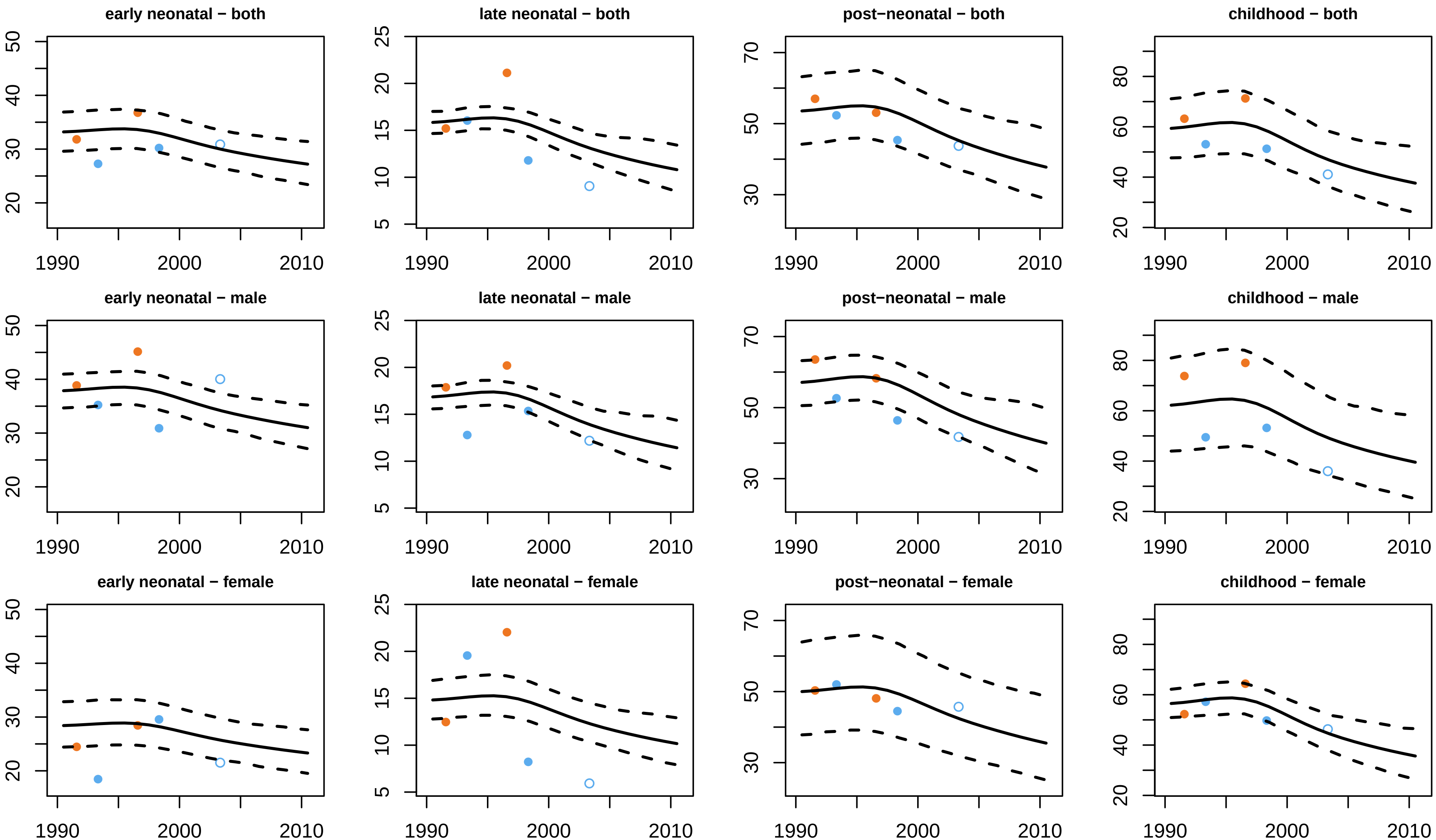


Costa Rica − 5q0 estimates
vr
census
cdc
wfs
other
indirect
direct
hh
20
15
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
5

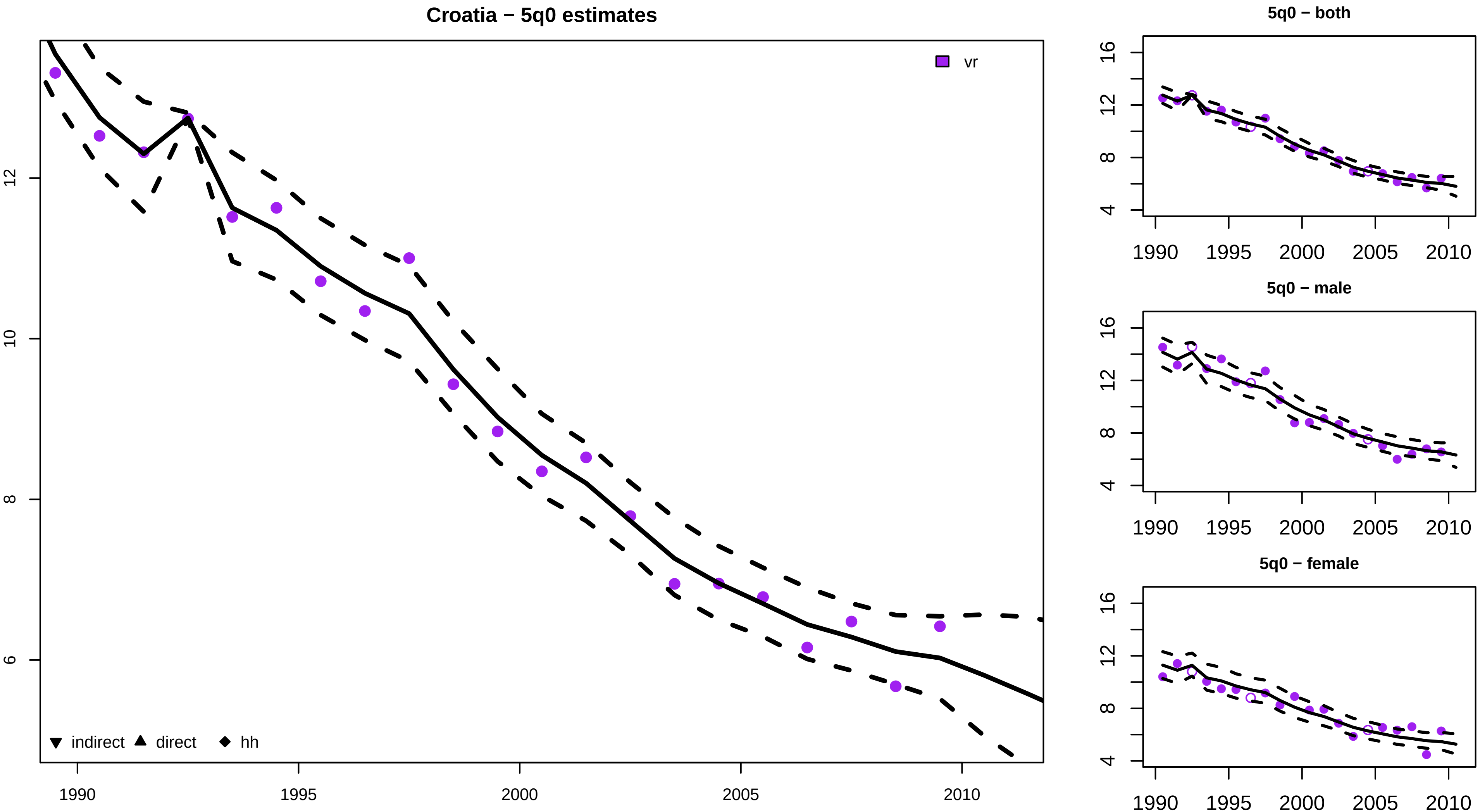


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

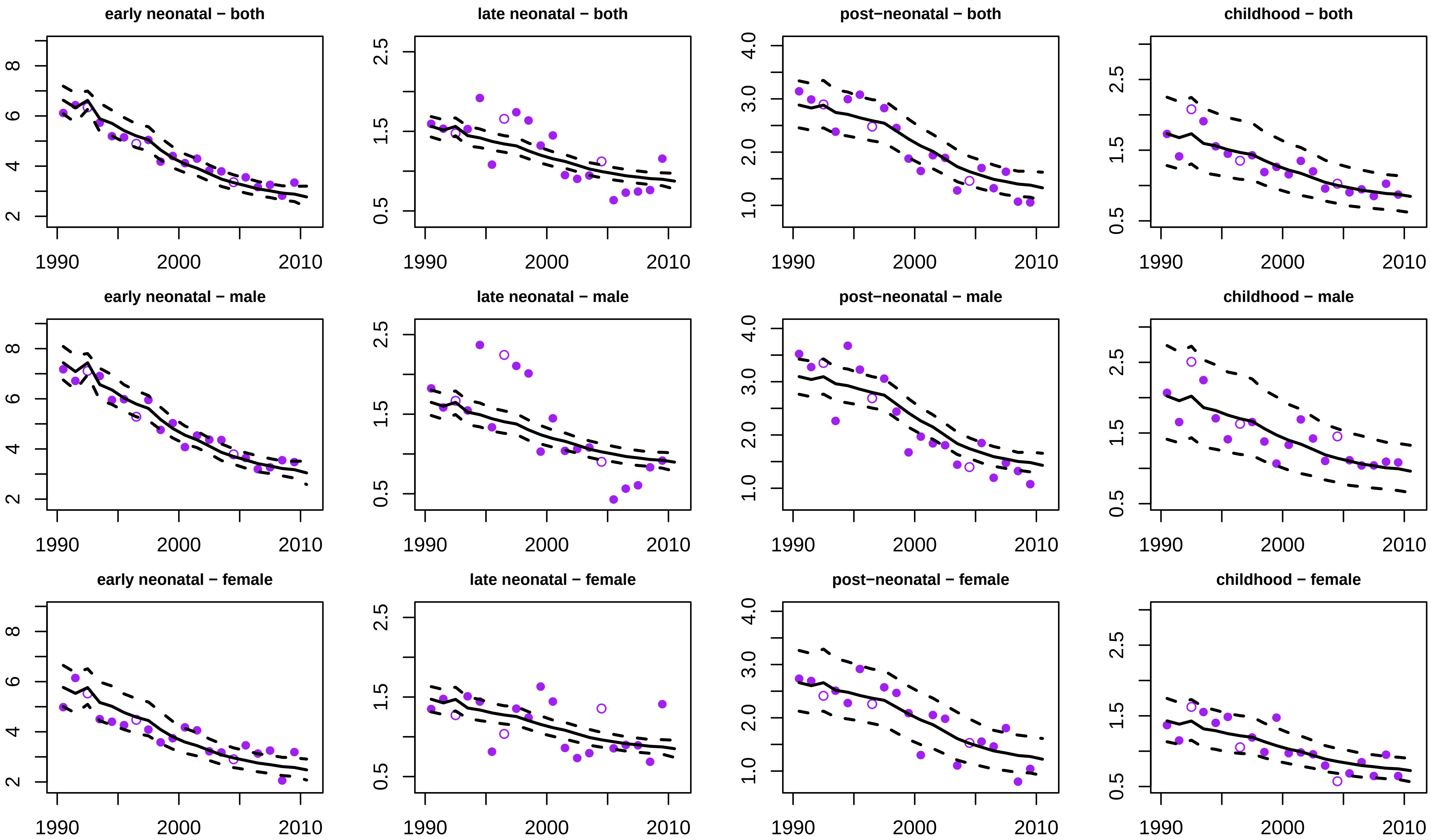

Côte d'Ivoire − 5q0 estimates
census
ais
dhs
other
wfs
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female
1990
1995
2000
2005
2010
60
80
100
120
140
160
180

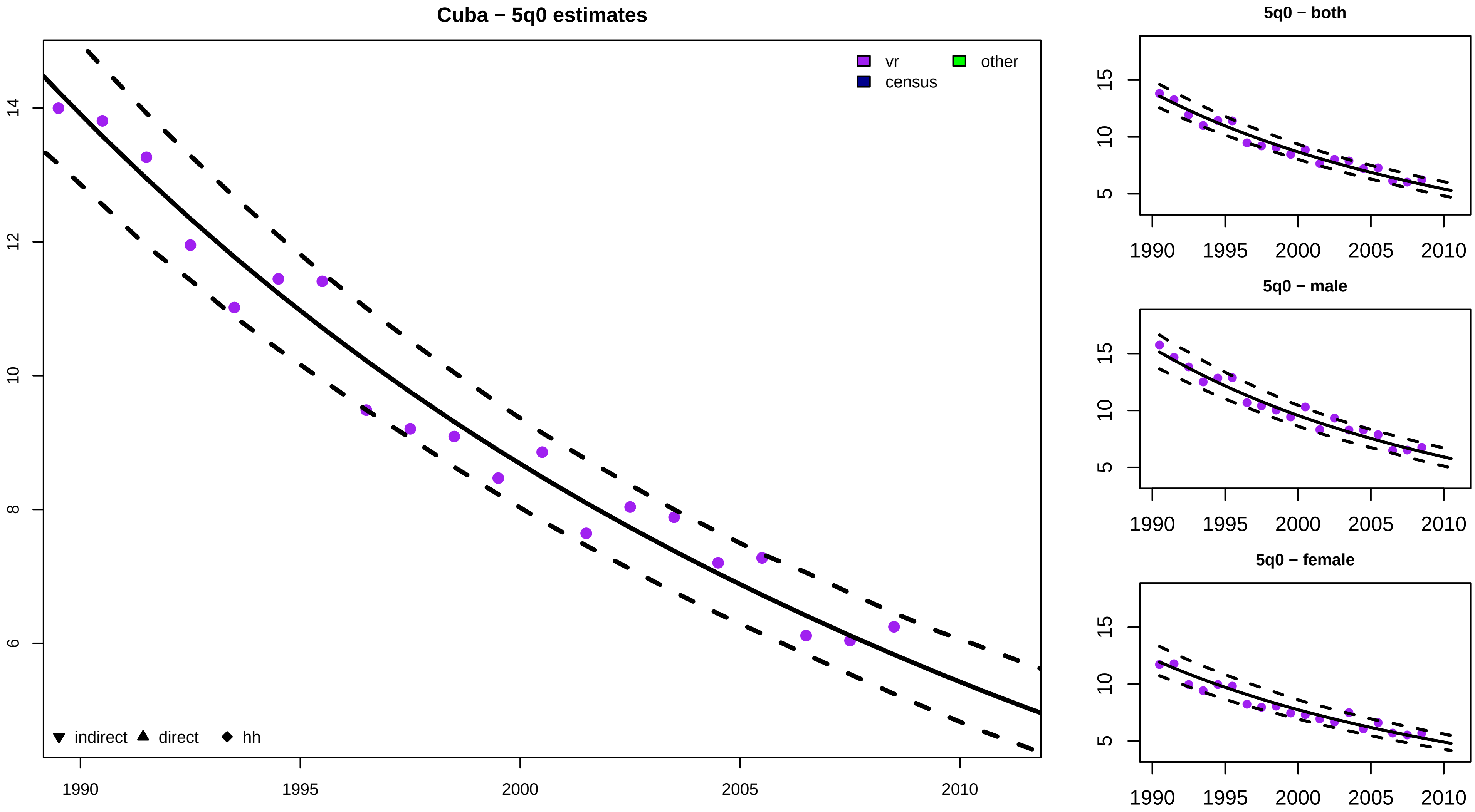


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

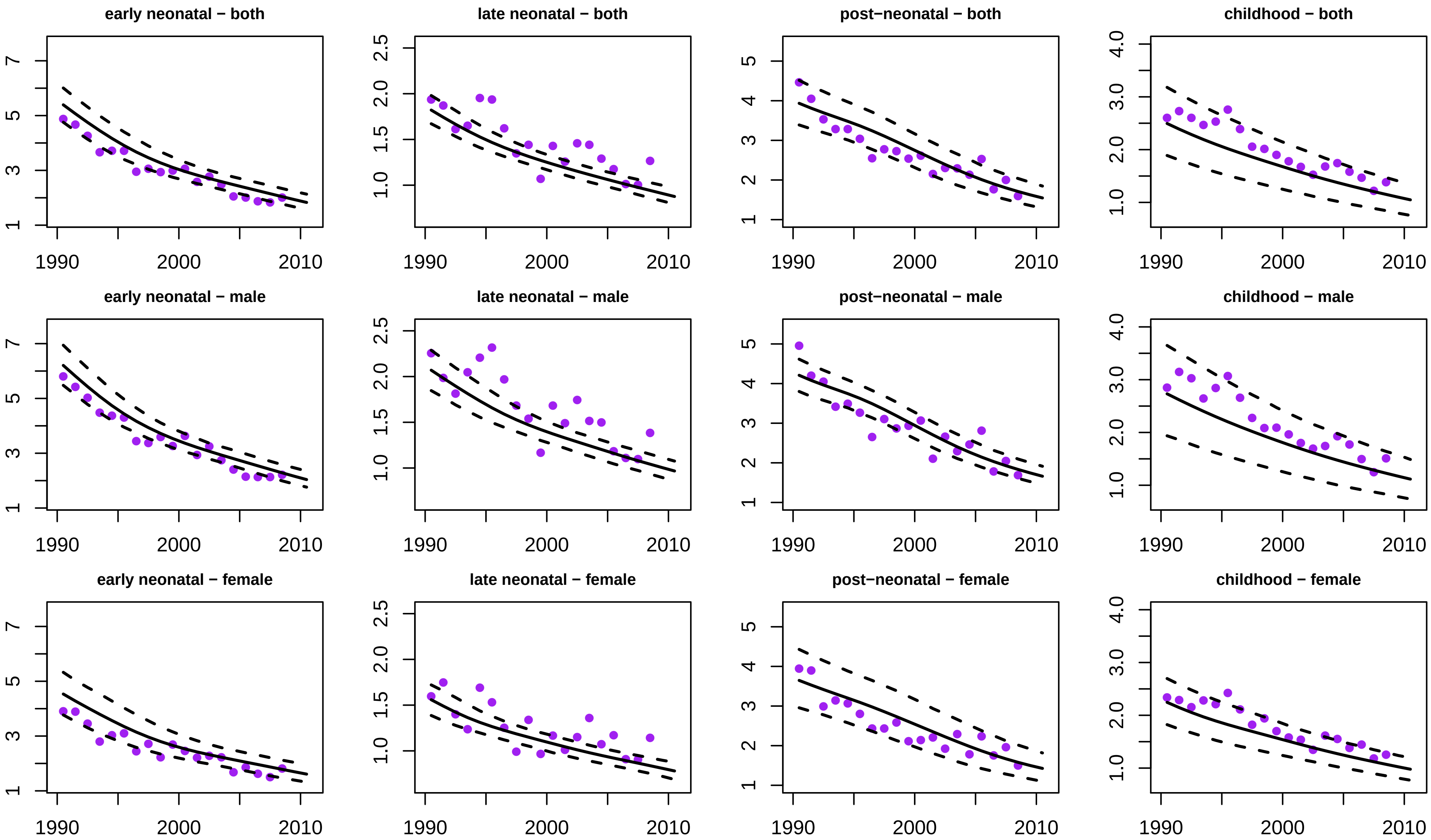


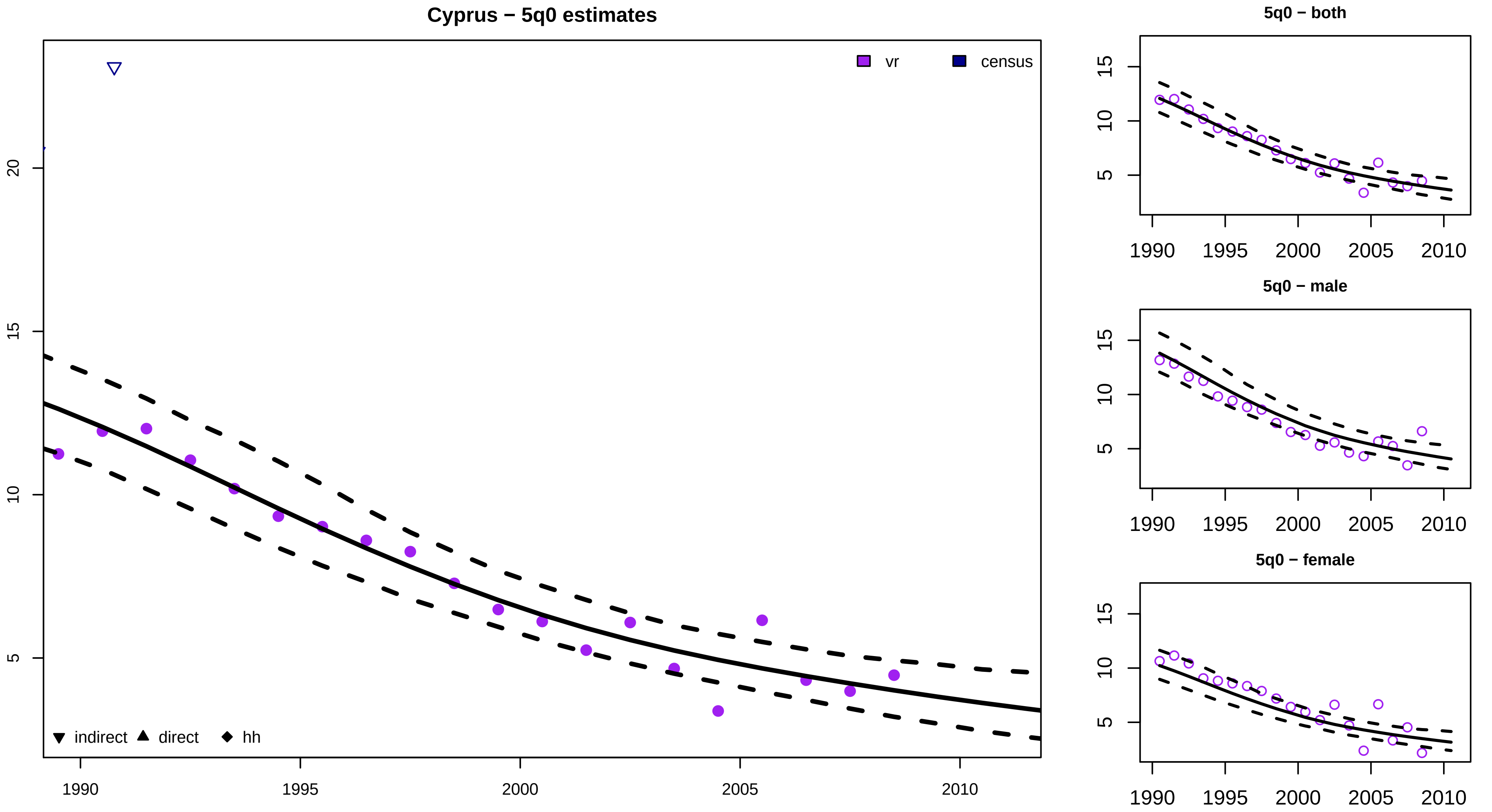
Croatia − 5q0 estimates
vr
indirect
direct
hh
12
10
8
6
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
16
12
8
4


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
2
4
6
8
0.5
1.5
2.5
1.0
2.0
3.0
4.0

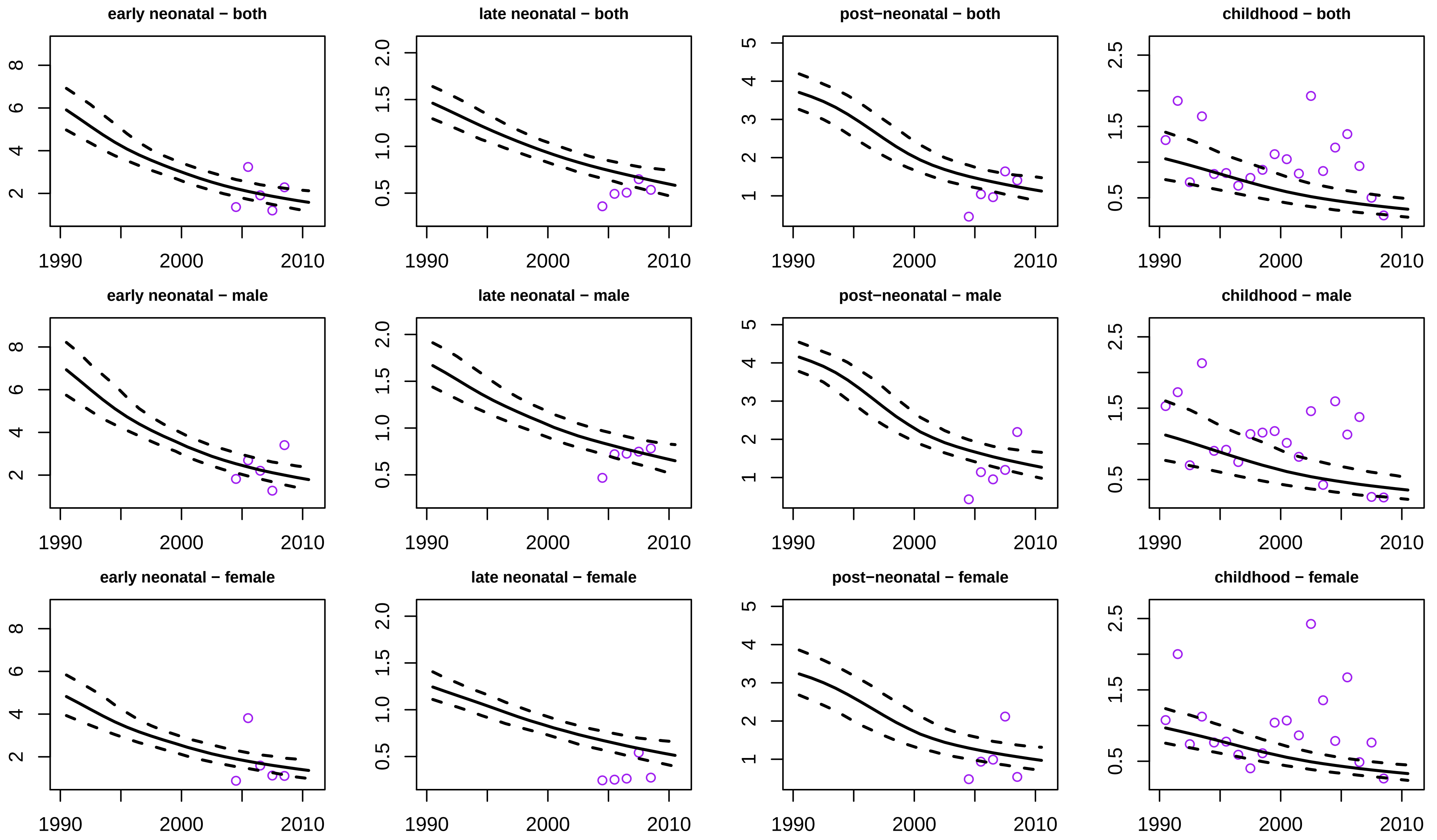


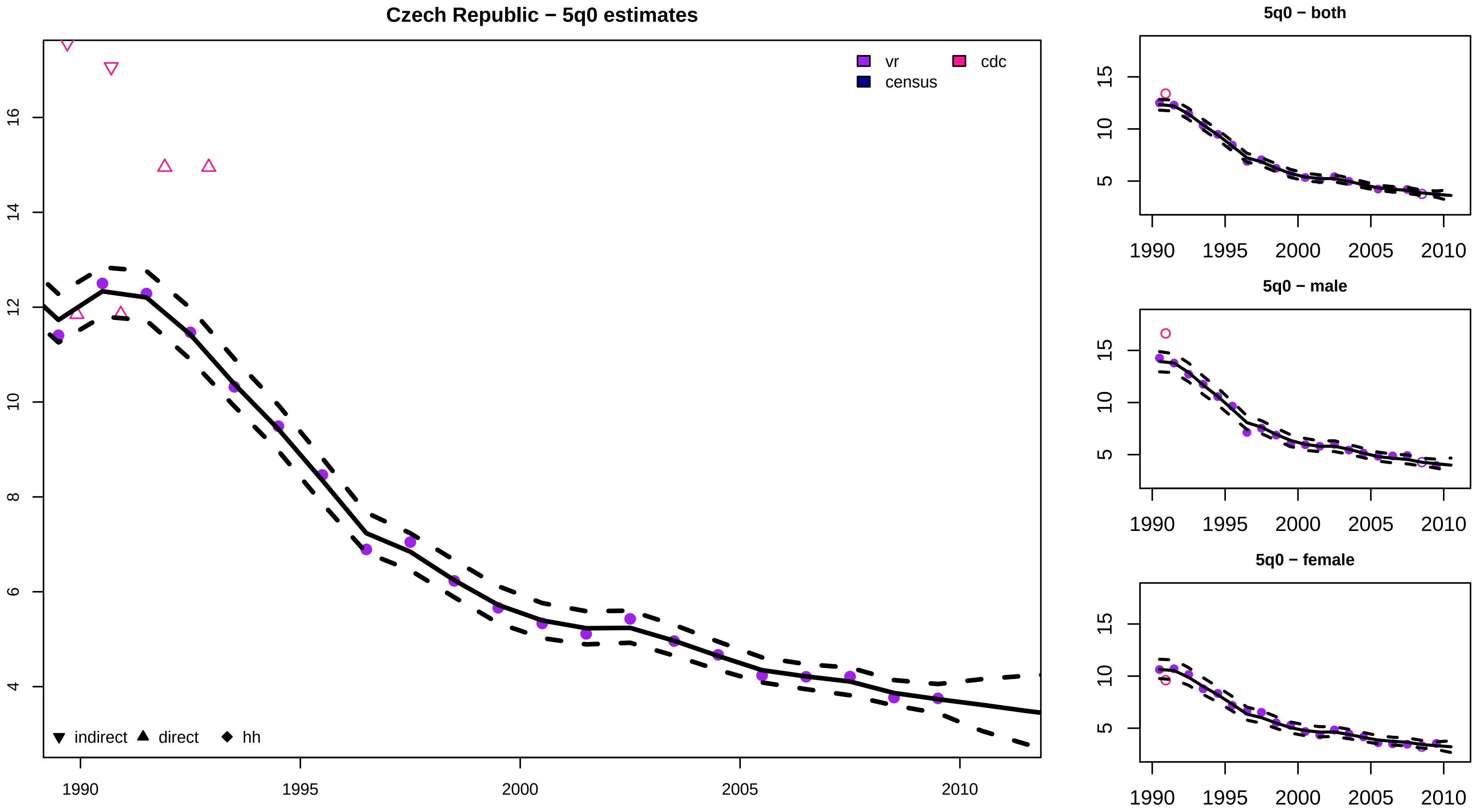
Cuba − 5q0 estimates
vr
other
census
indirect
direct
hh
14
12
10
8
6
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
15
10
5

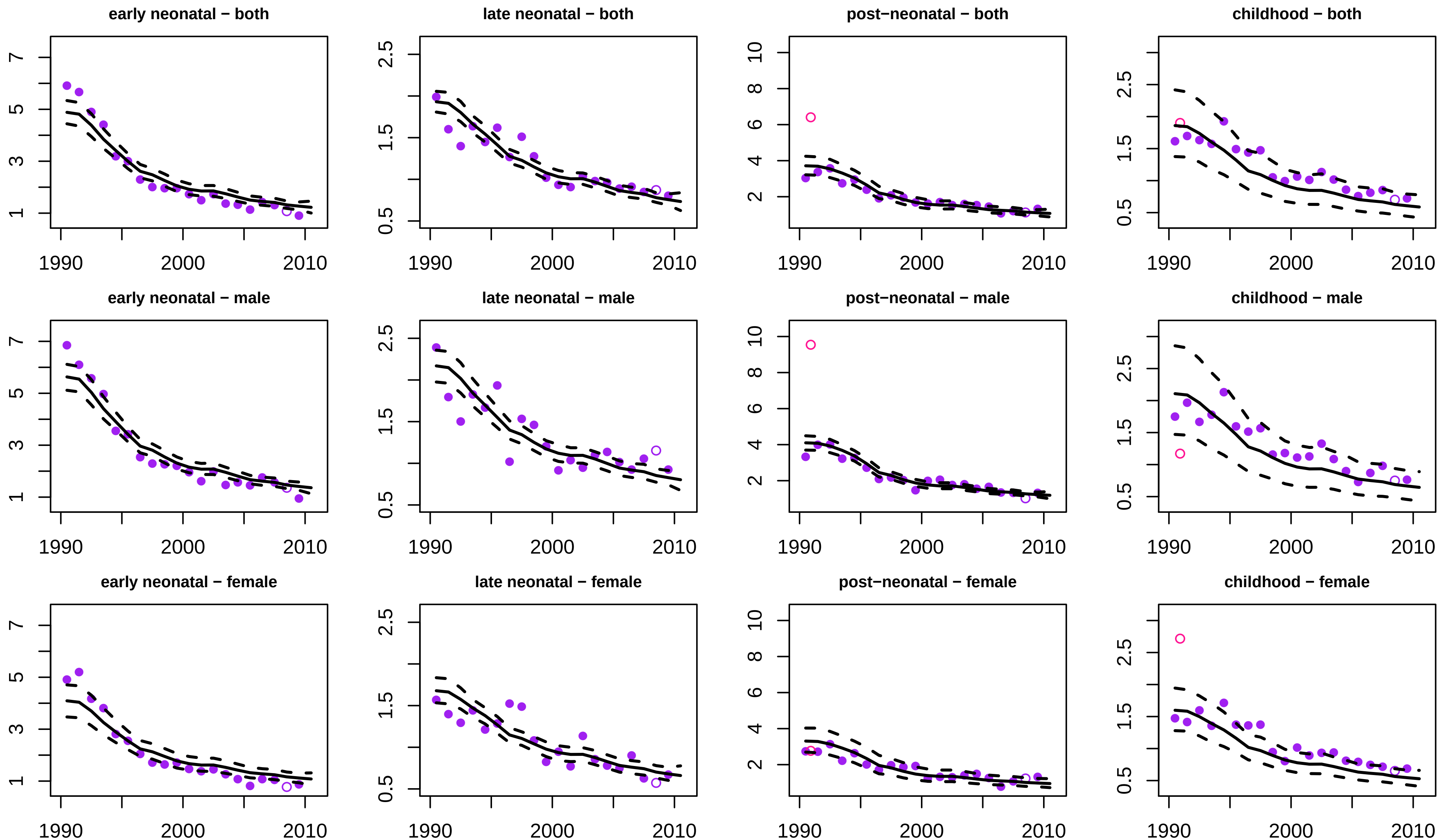

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



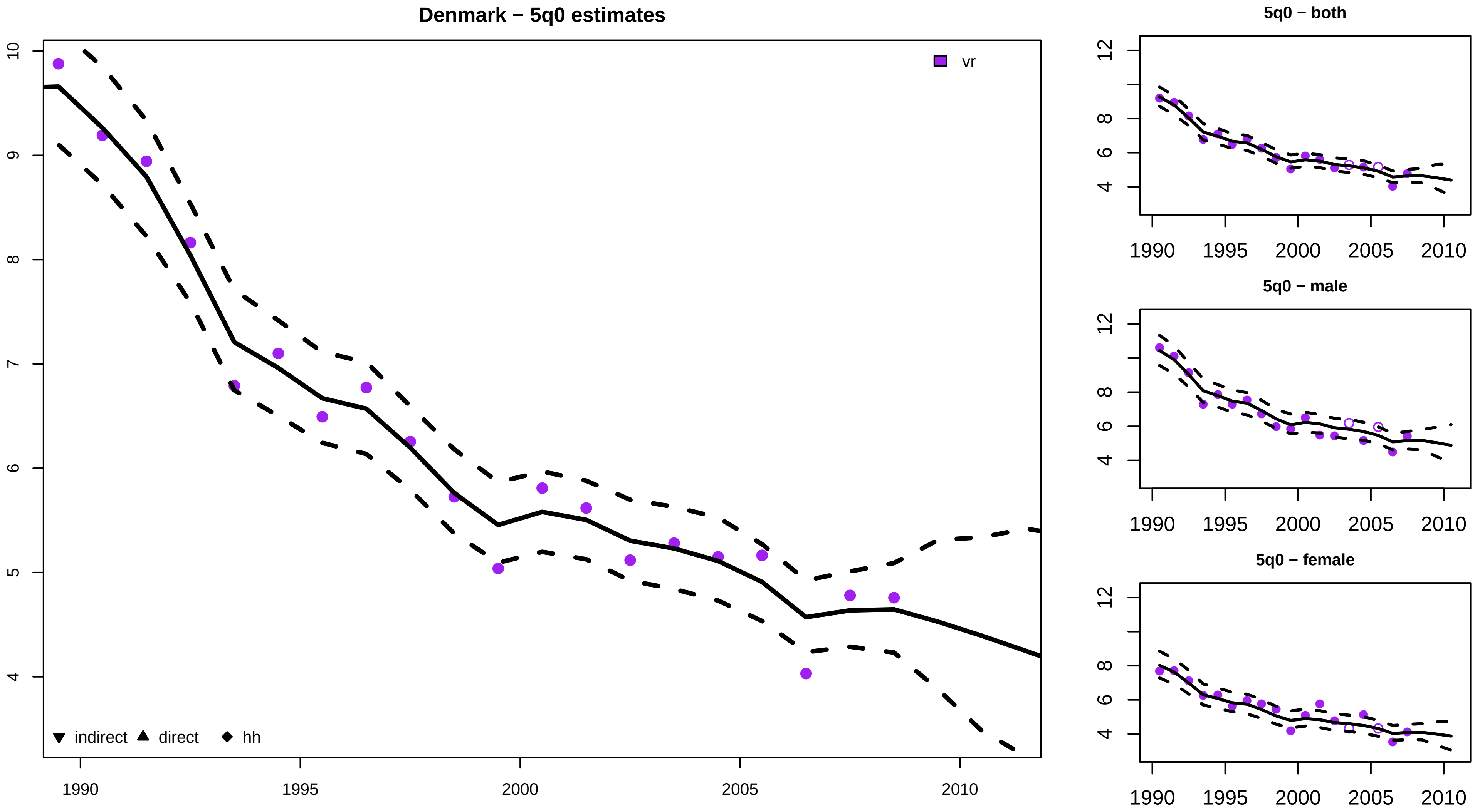
Cyprus − 5q0 estimates
vr
census
indirect
direct
hh
20
15
10
5
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

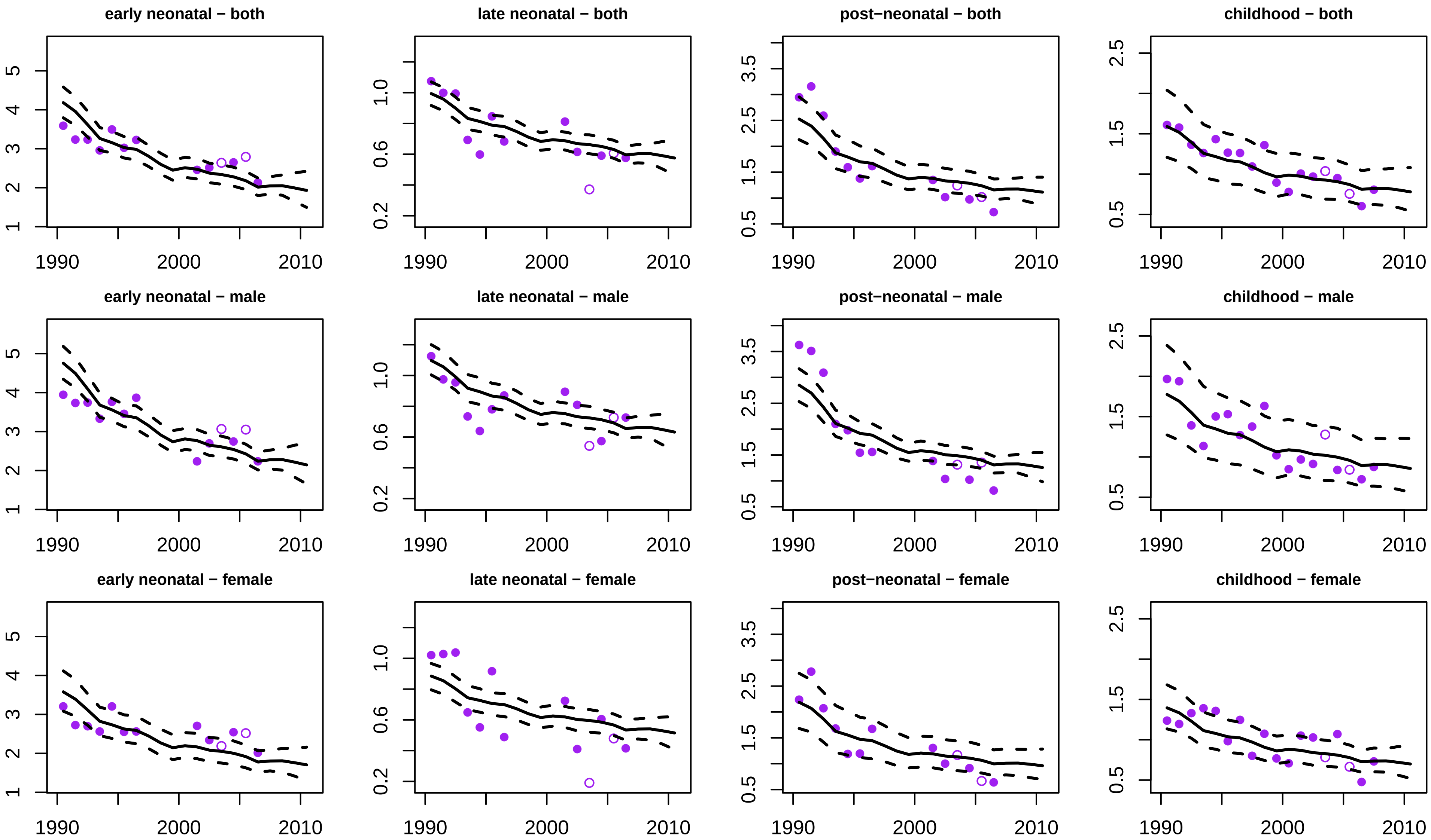

Czech Republic − 5q0 estimates
vr
cdc
census
indirect
direct
hh
4
6
8
10
12
14
16
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
5
10
15

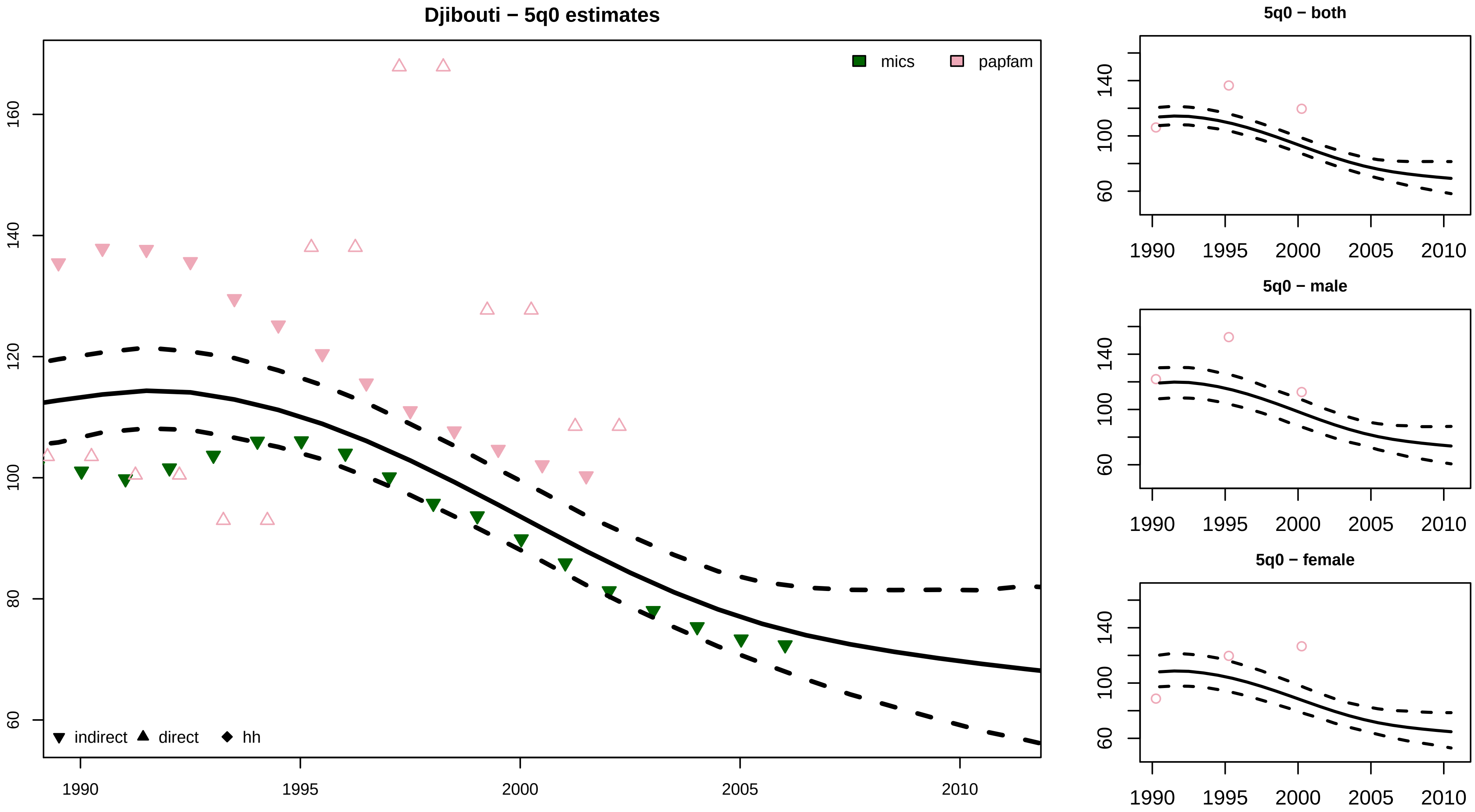


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

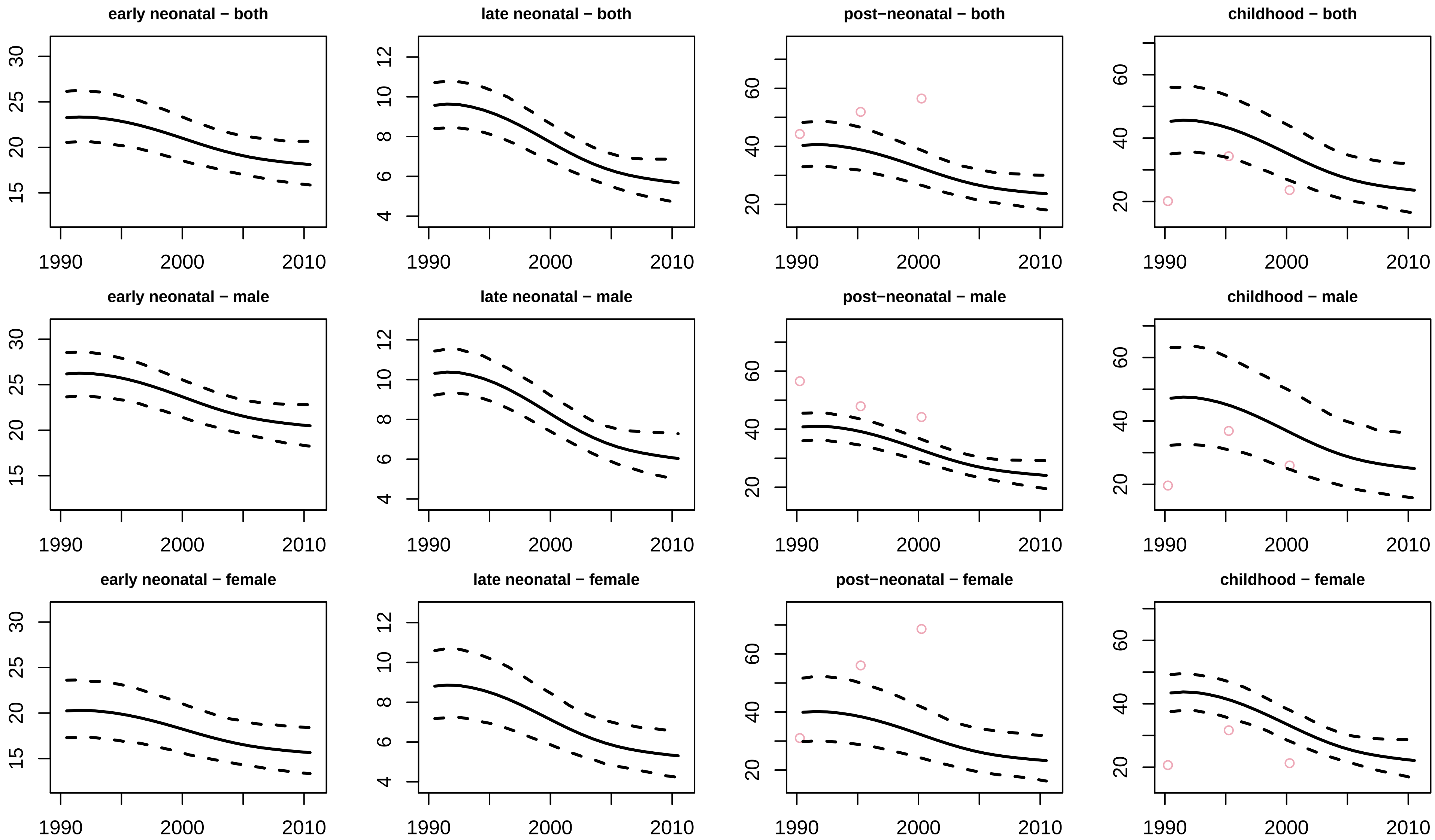


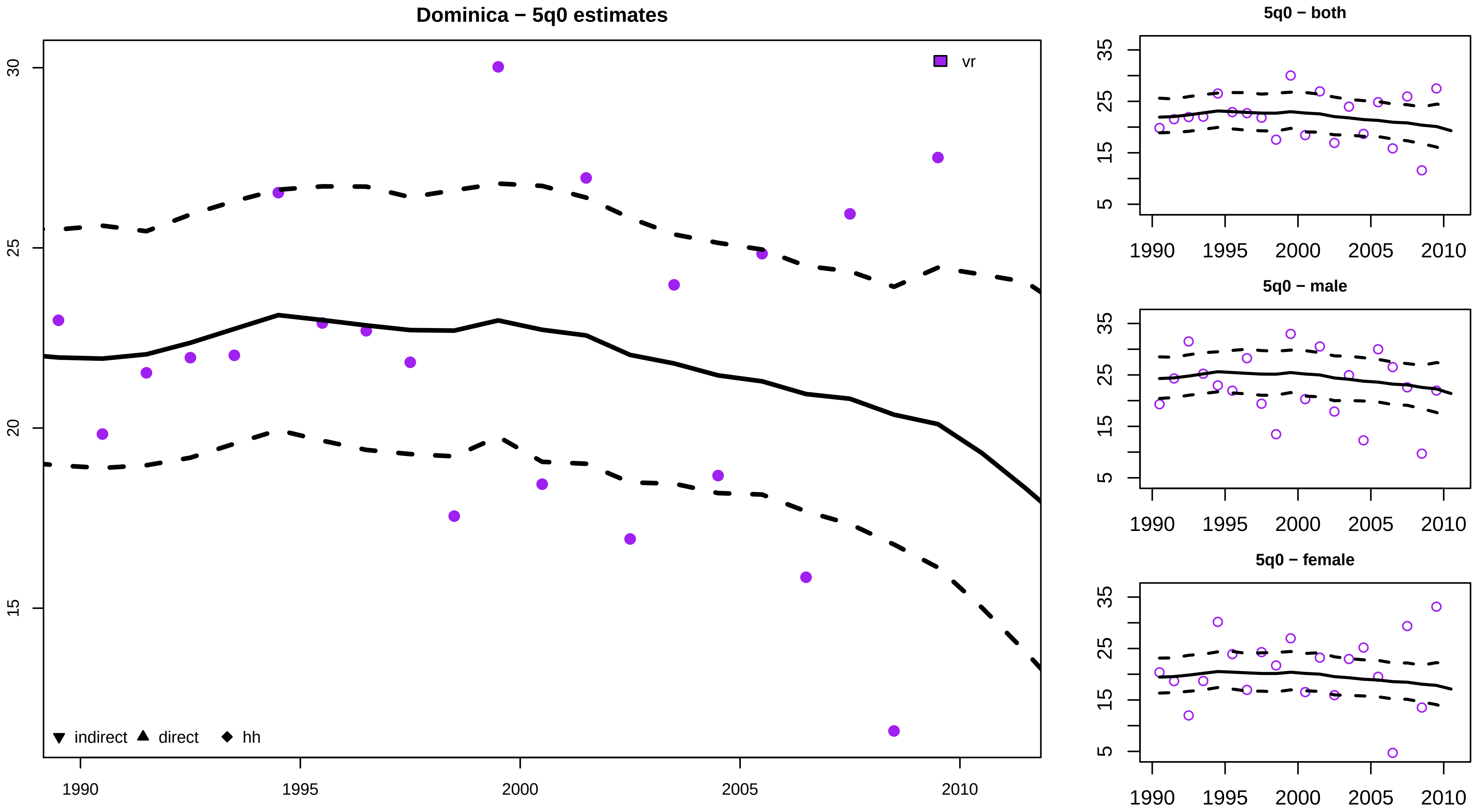
Denmark − 5q0 estimates
vr
indirect
direct
hh
10
9
8
7
6
5
4
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
12
8
6
4

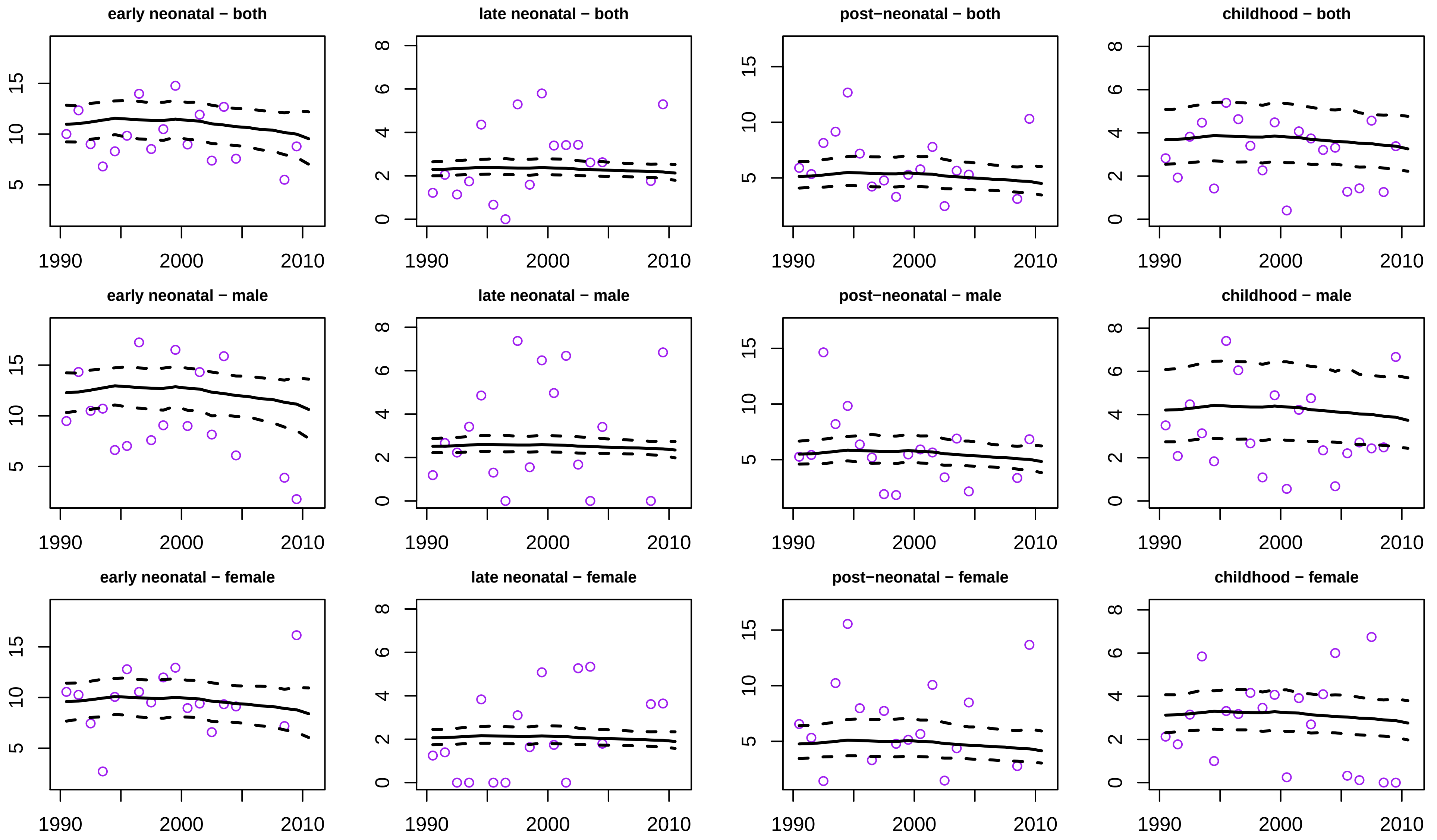

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

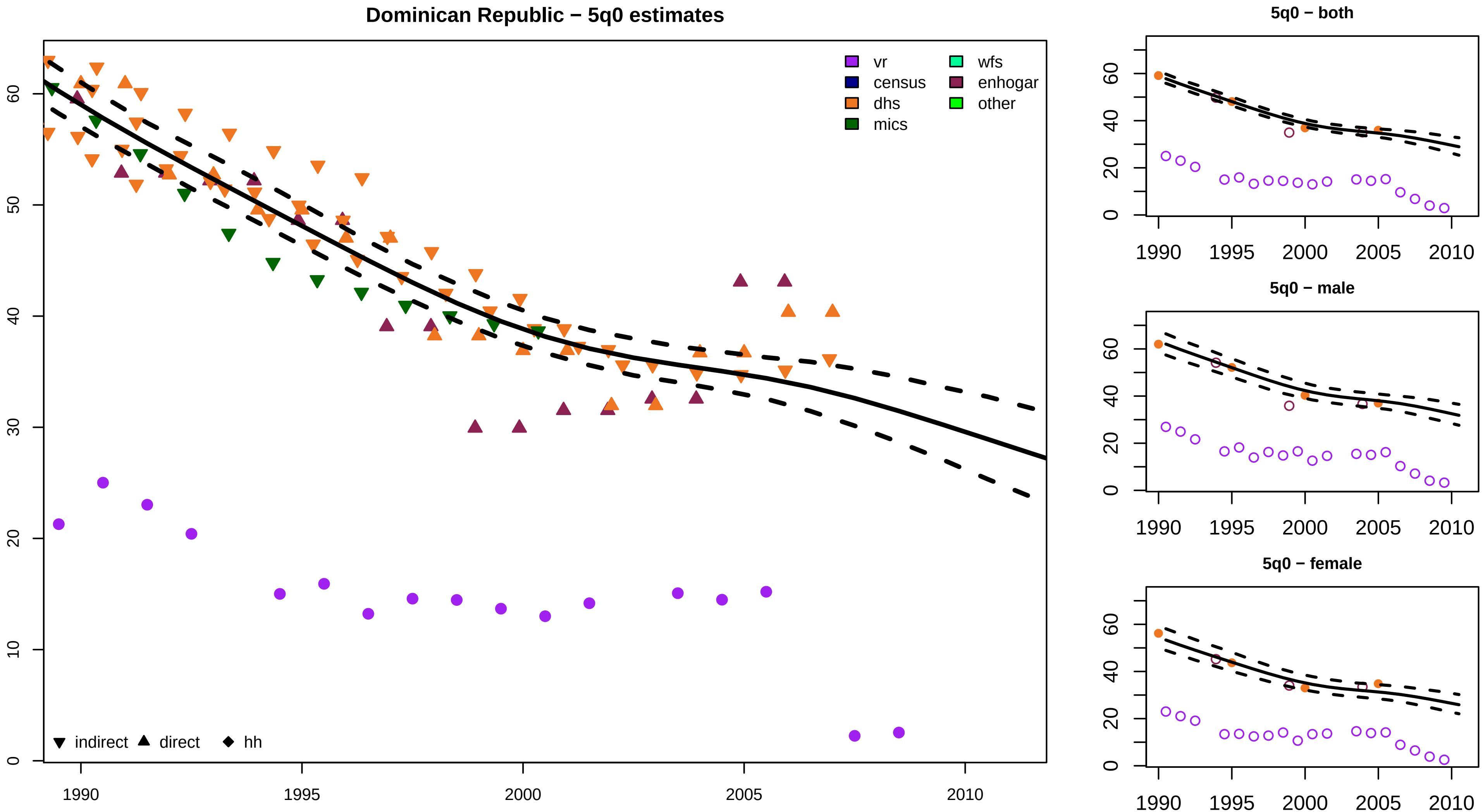


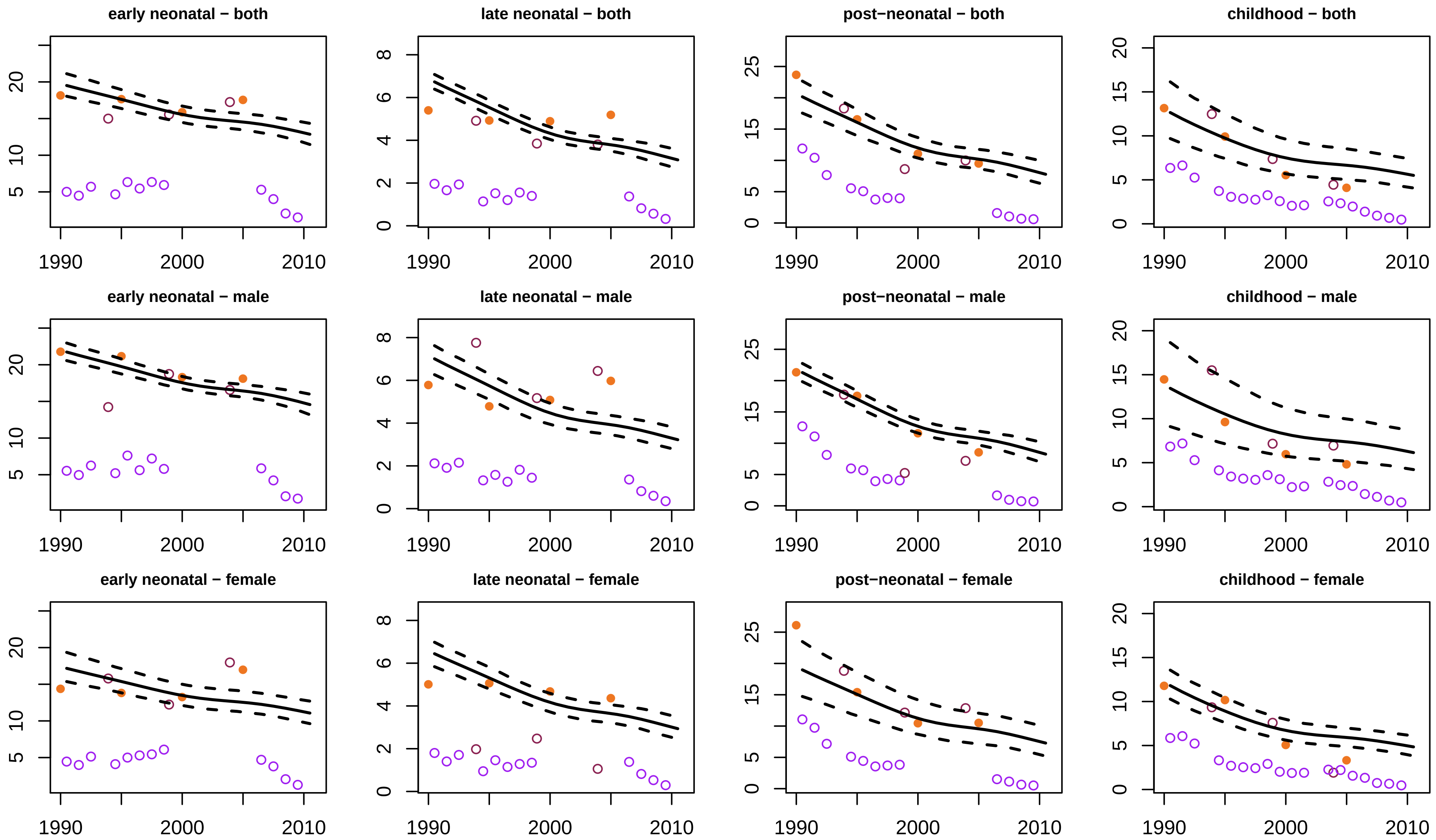
Djibouti − 5q0 estimates
mics
papfam
indirect
direct
hh
60
80
100
120
140
160
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

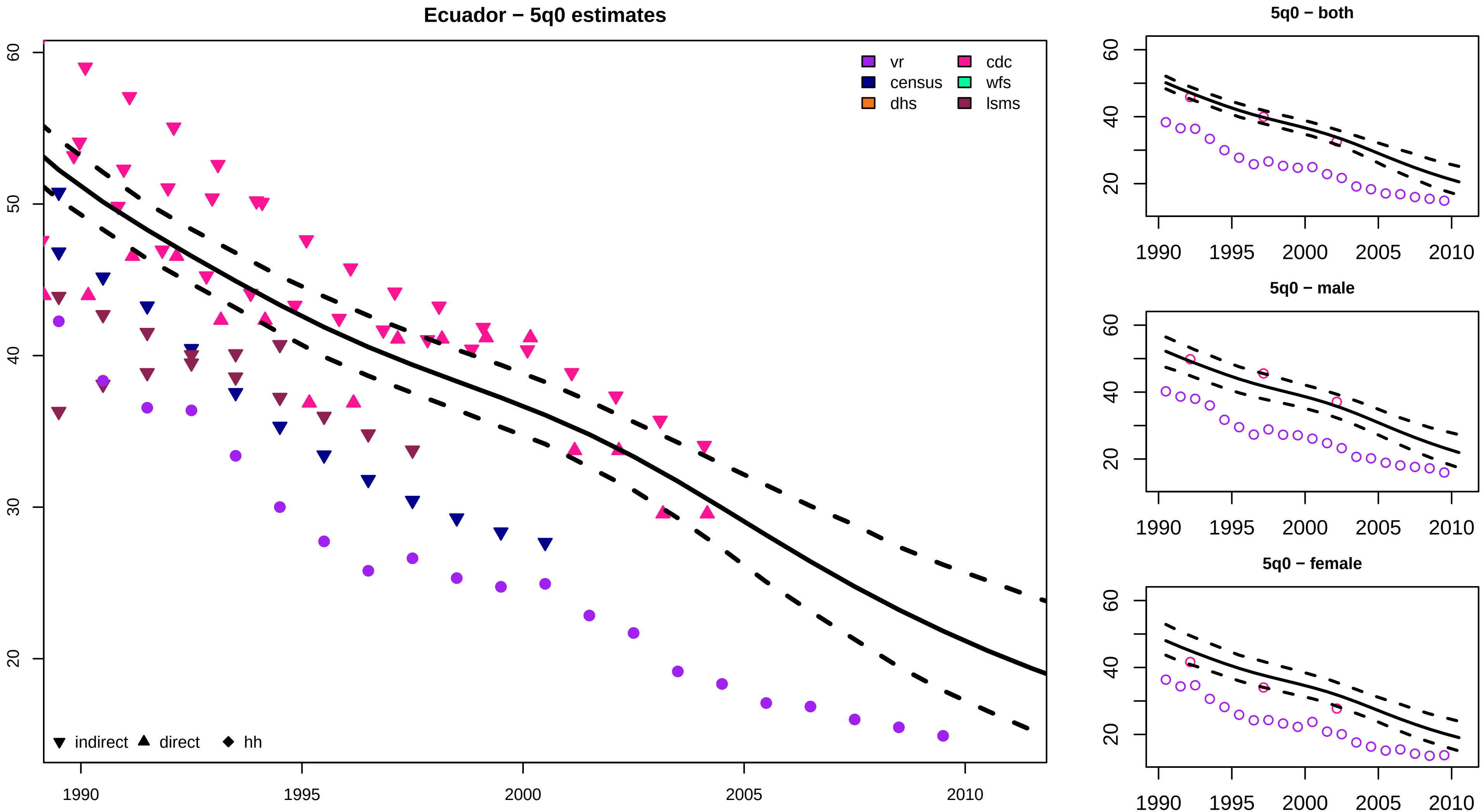

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


Dominica − 5q0 estimates
vr
indirect
direct
hh
30
25
20
15
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
35
25
15
5

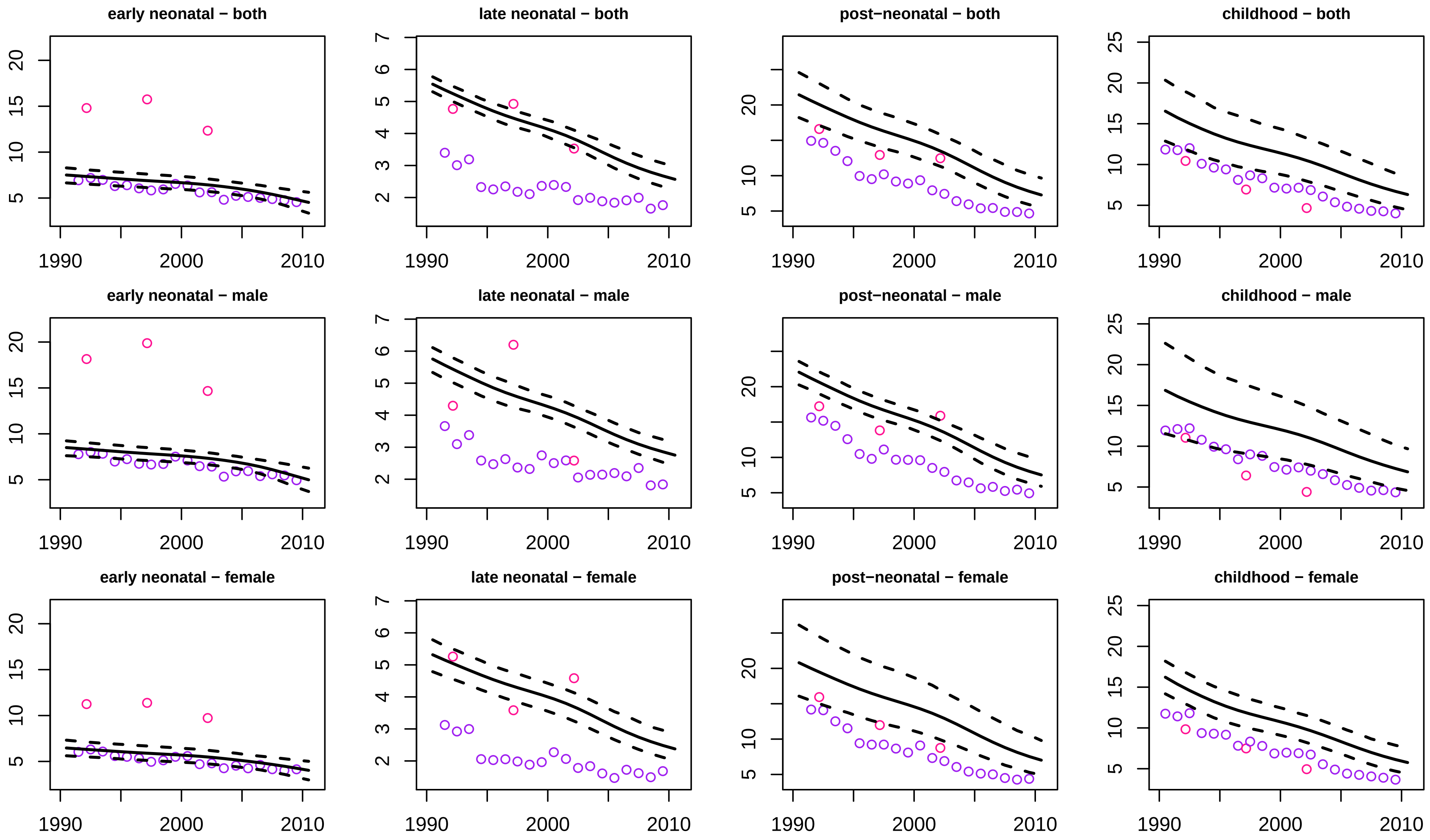

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

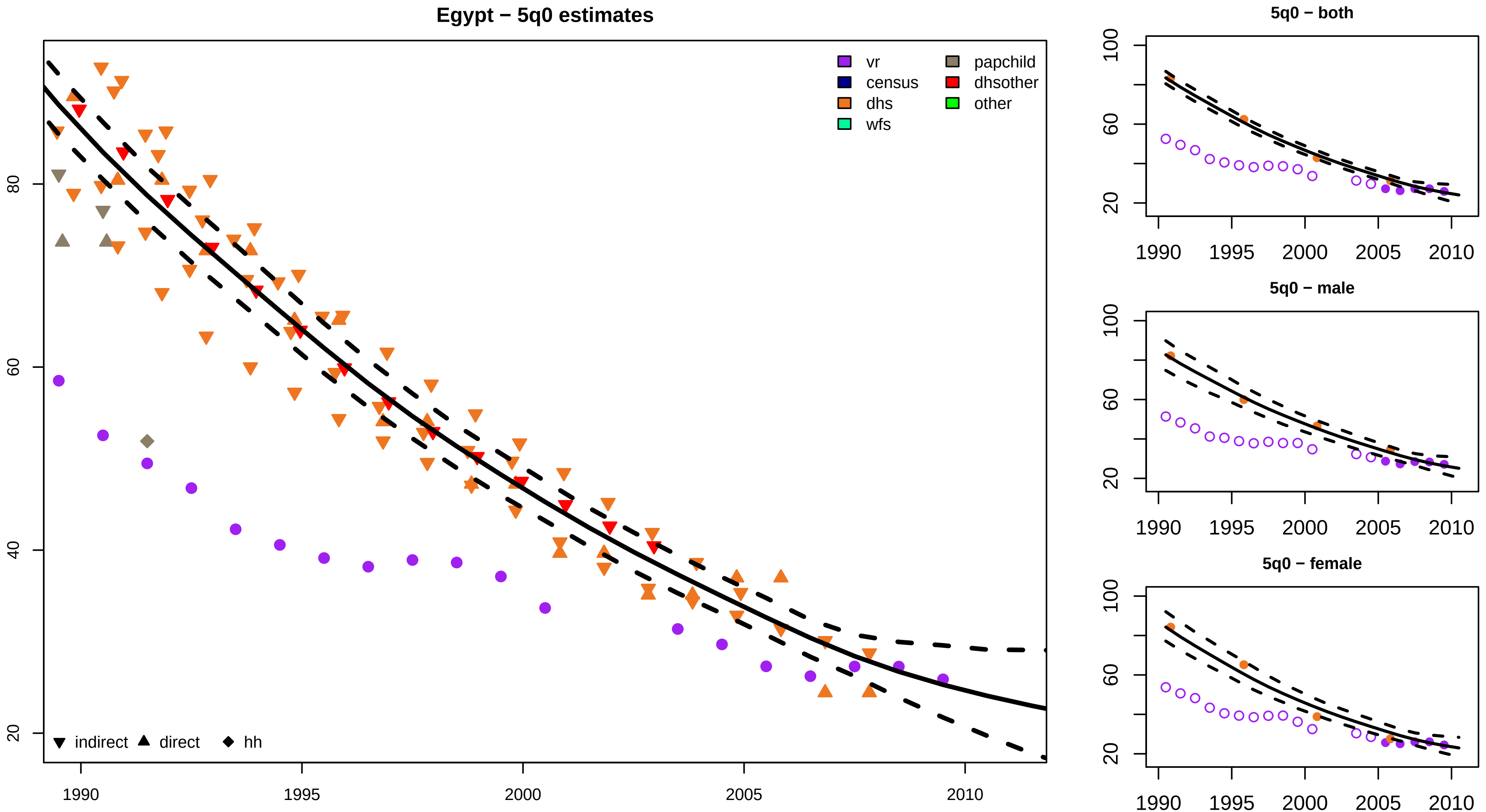

Dominican Republic − 5q0 estimates
vr
census
dhs
mics
wfs
enhogar
other
indirect
direct
hh
0
10
20
30
40
50
60
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

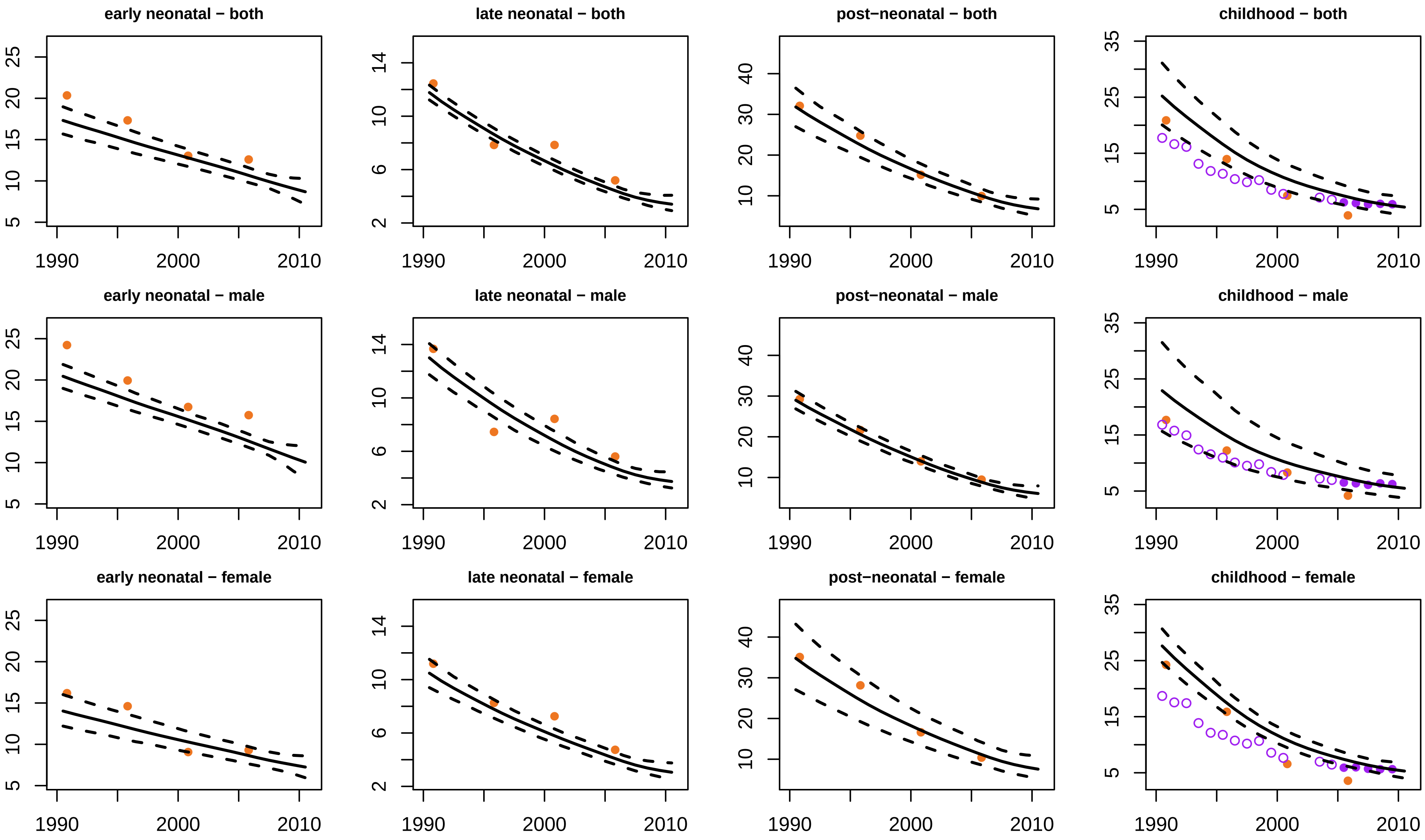

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
5
10
20
0
2
4
6
8
15
25



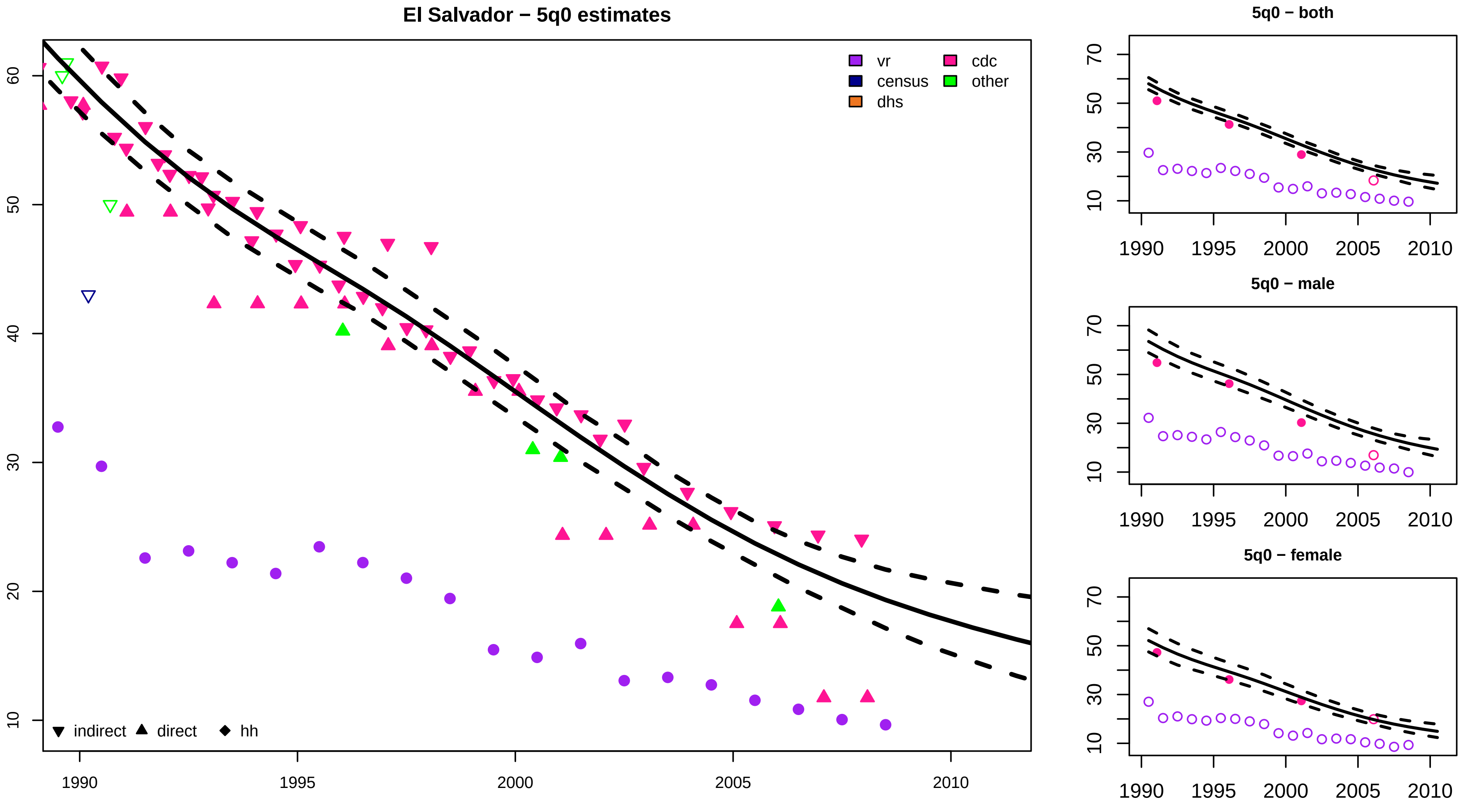
Ecuador − 5q0 estimates
vr
census
dhs
cdc
wfs
lsms
indirect
direct
hh
1990
1995
2000
2005
2010
20
30
40
50
60
5q0 − both
5q0 − male
5q0 − female

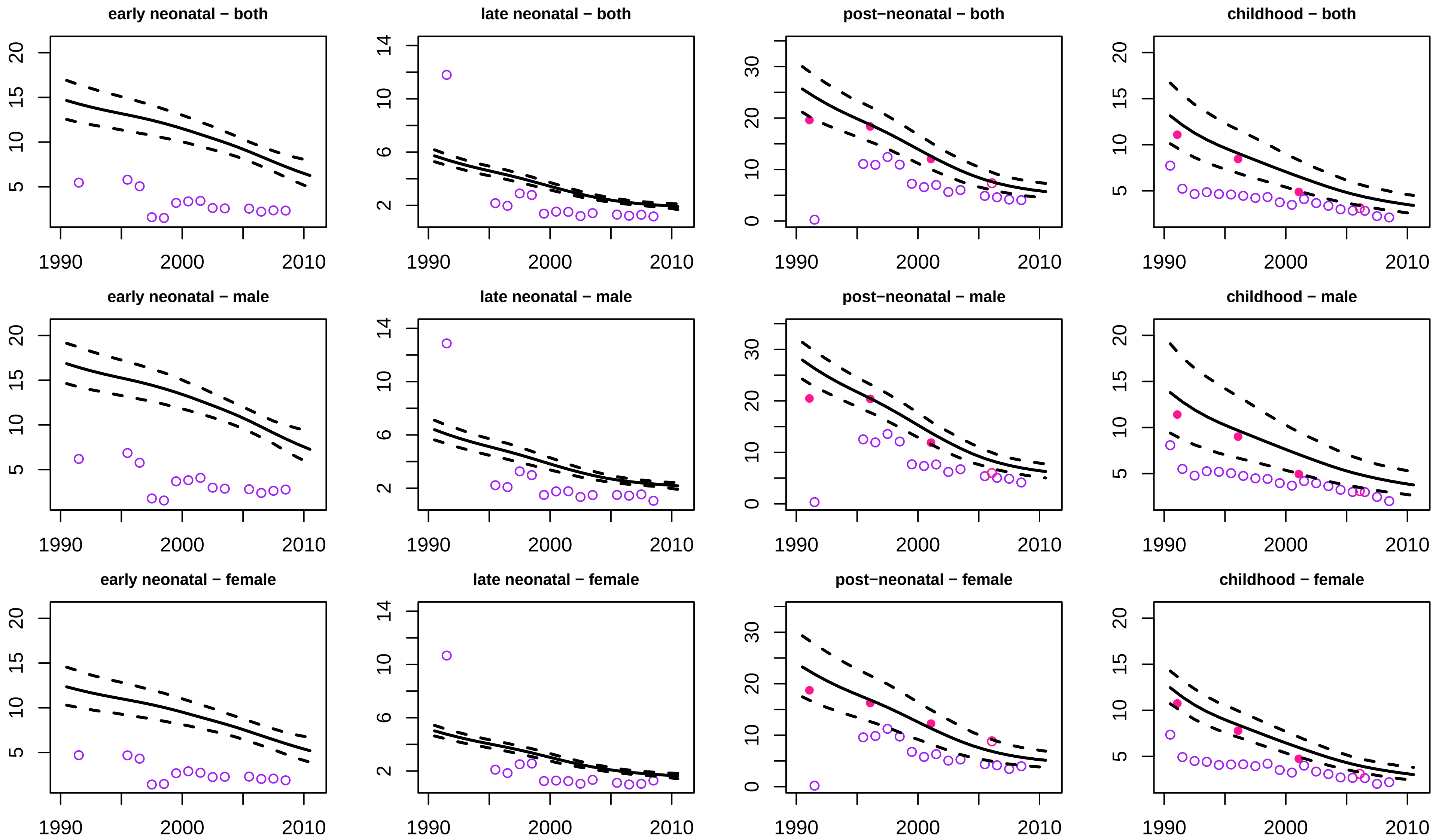

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

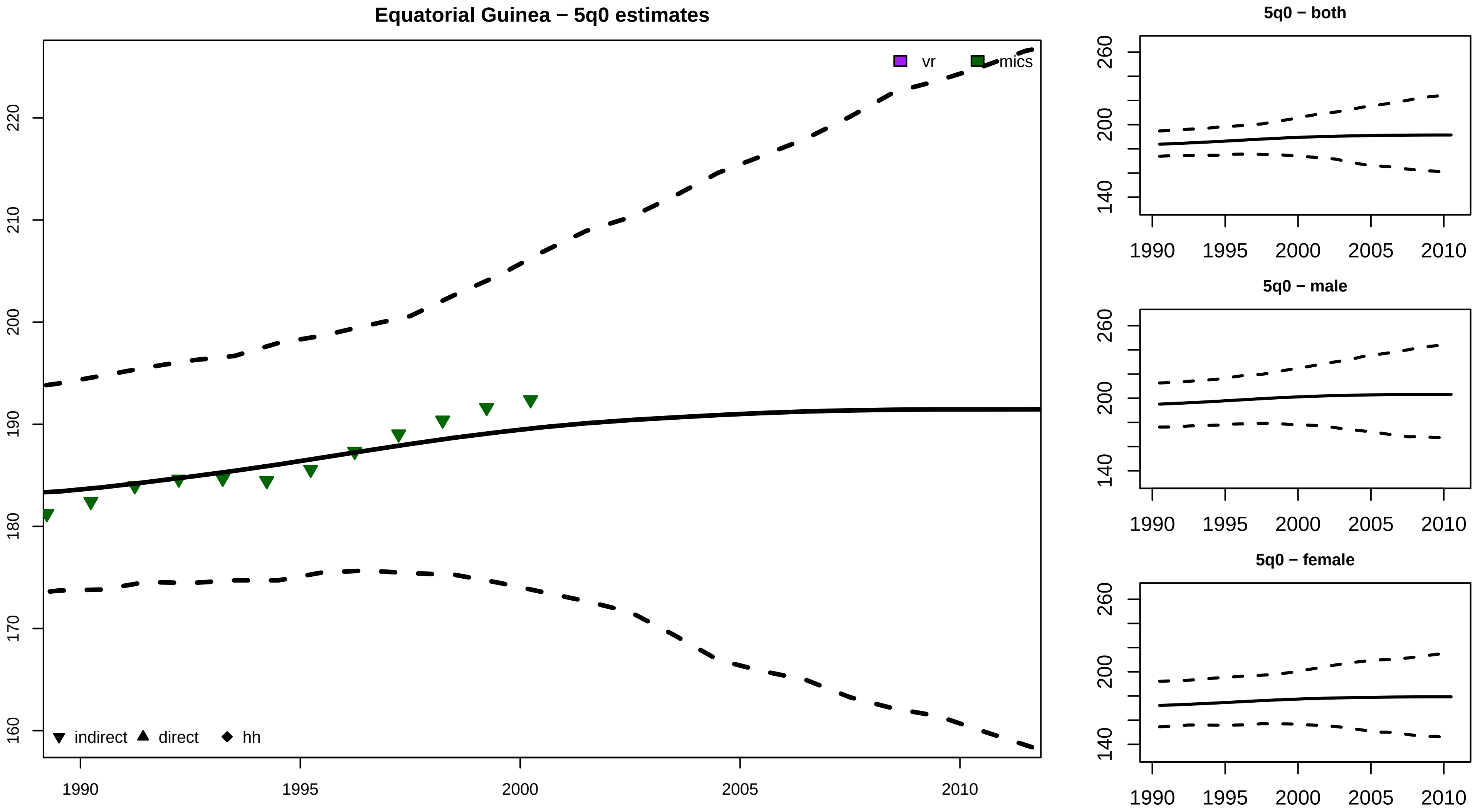

Egypt − 5q0 estimates
vr
census
dhs
wfs
papchild
dhsother
other
indirect
direct
hh
20
40
60
80
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
100
60
20



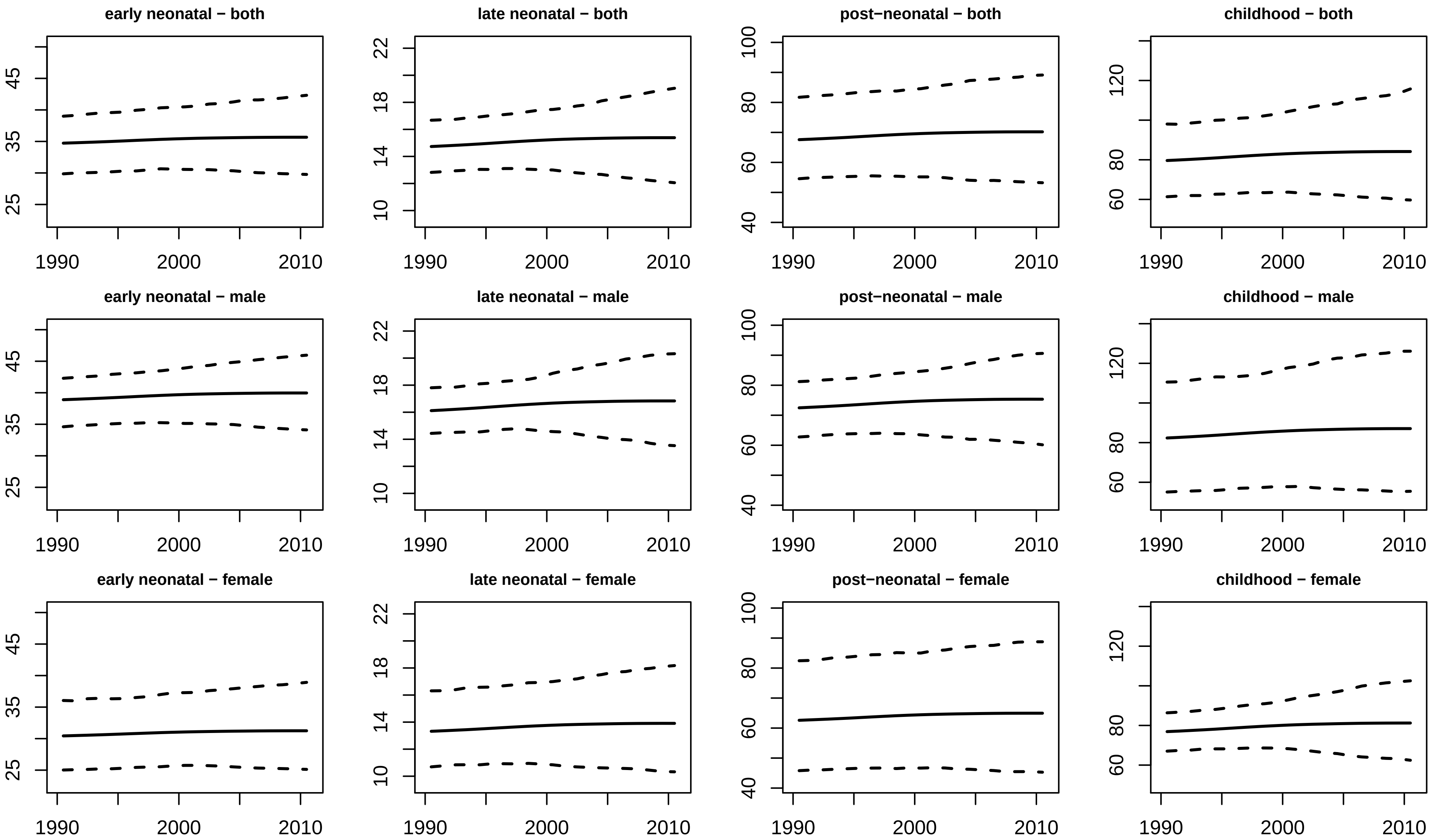
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
5
10
15
20
25
2
6
10
14
20
30
40
35


El Salvador − 5q0 estimates
vr
census
dhs
cdc
other
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female
10
20
30
40
50
60
70
1990
1995
2000
2005
2010

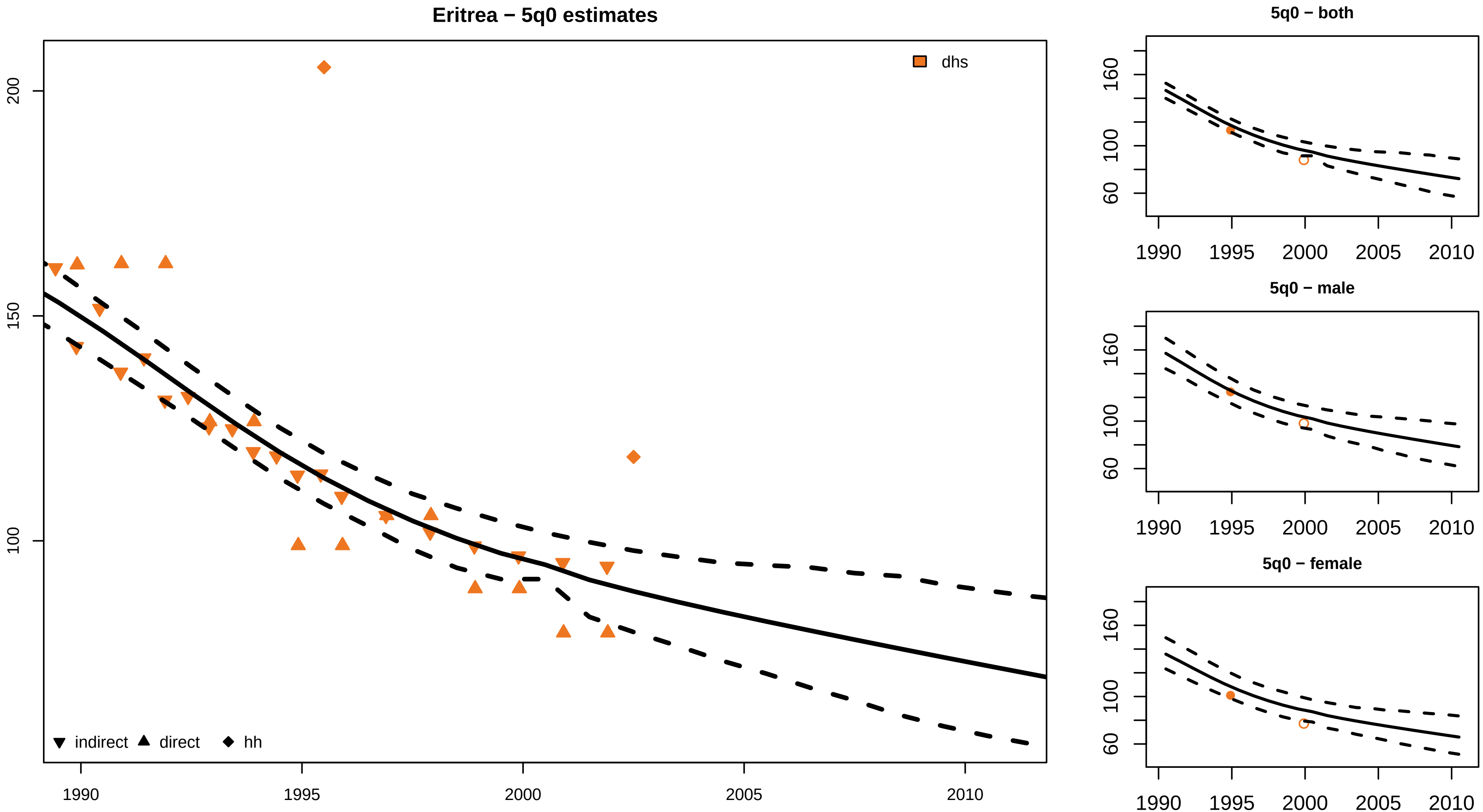

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



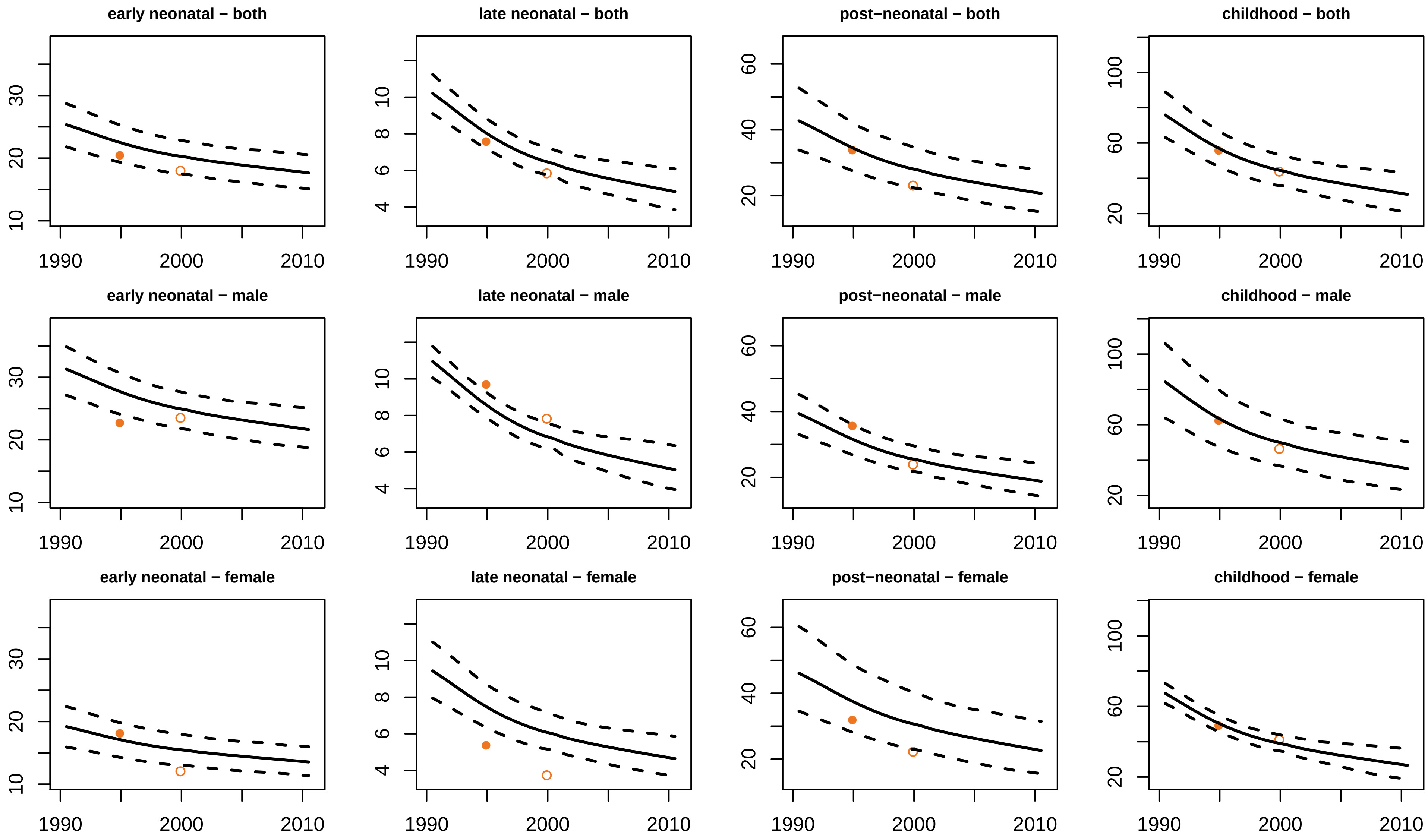
Equatorial Guinea − 5q0 estimates
vr
mics
indirect
direct
hh
160
170
180
190
200
210
220
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
140
200
260



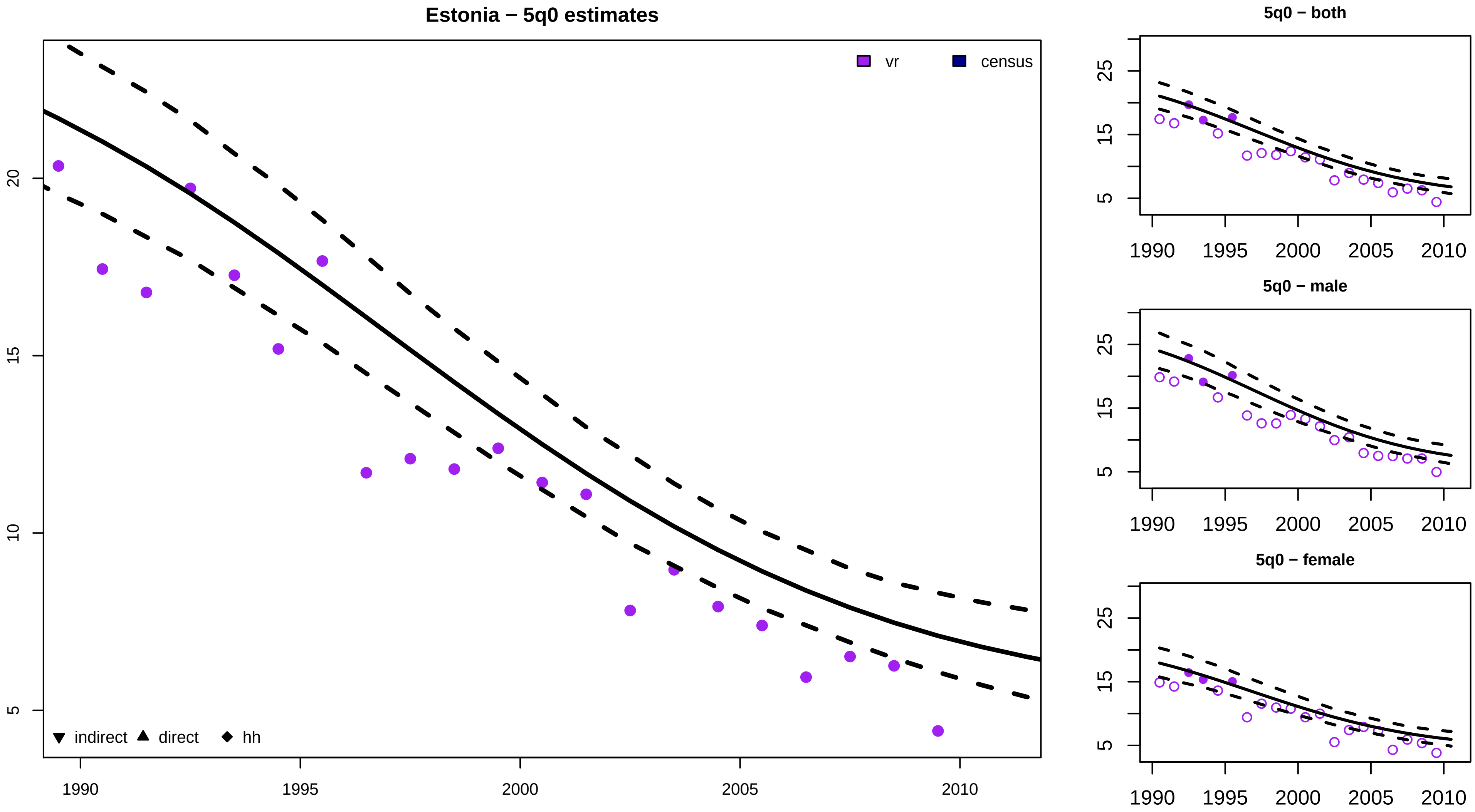
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



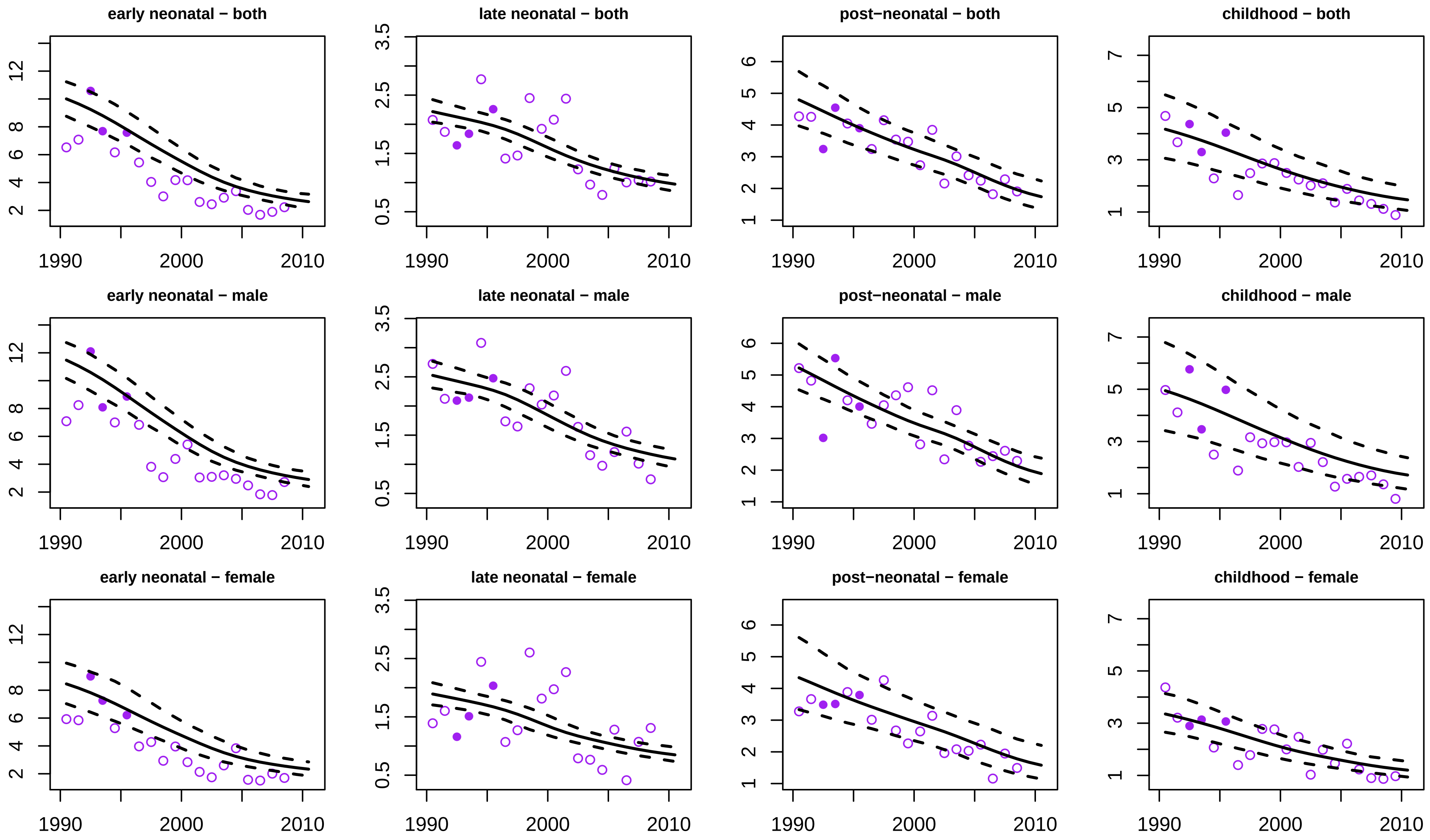
Eritrea − 5q0 estimates
dhs
200
150
100
1990
1995
2000
2005
2010
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female
60
100
160

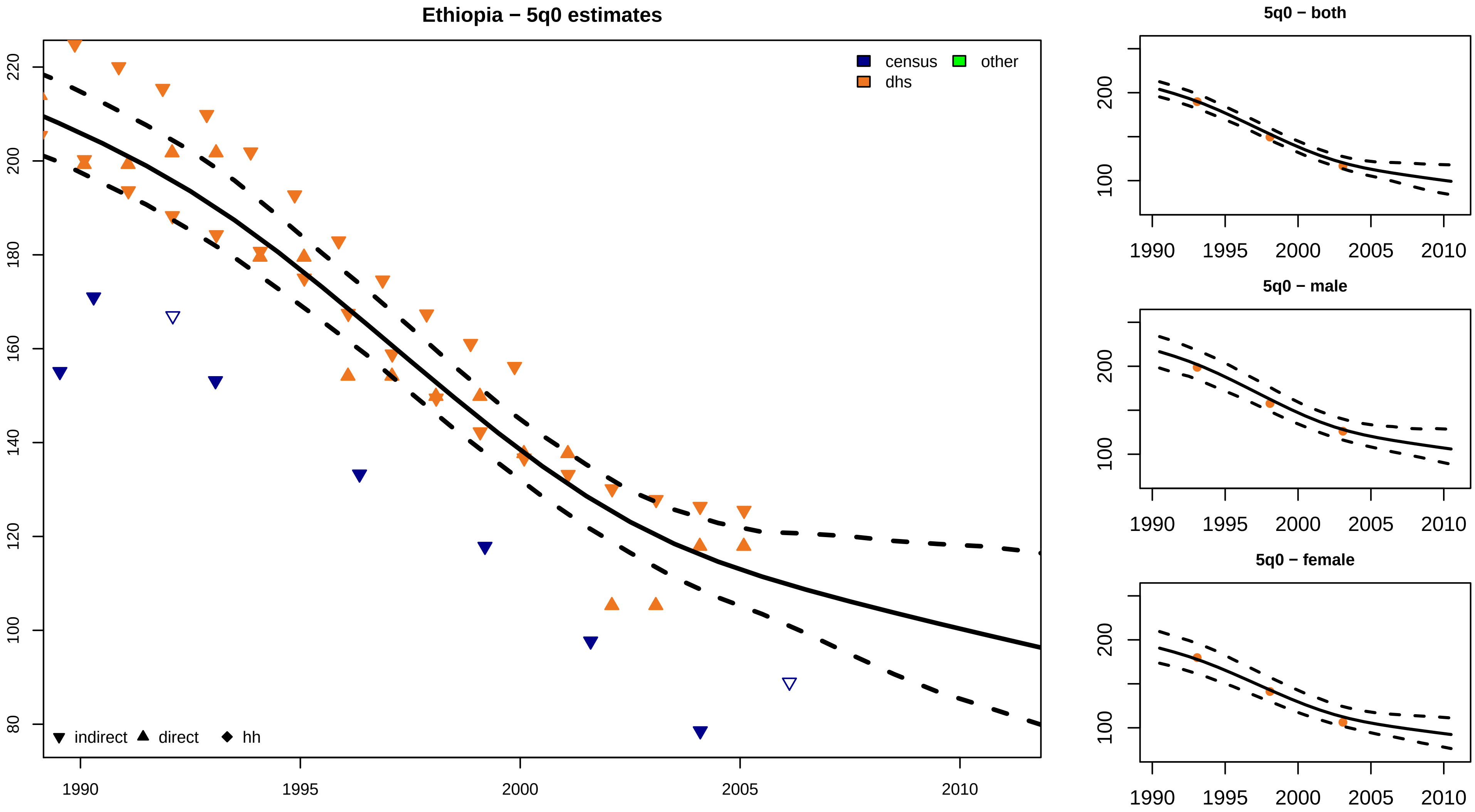


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

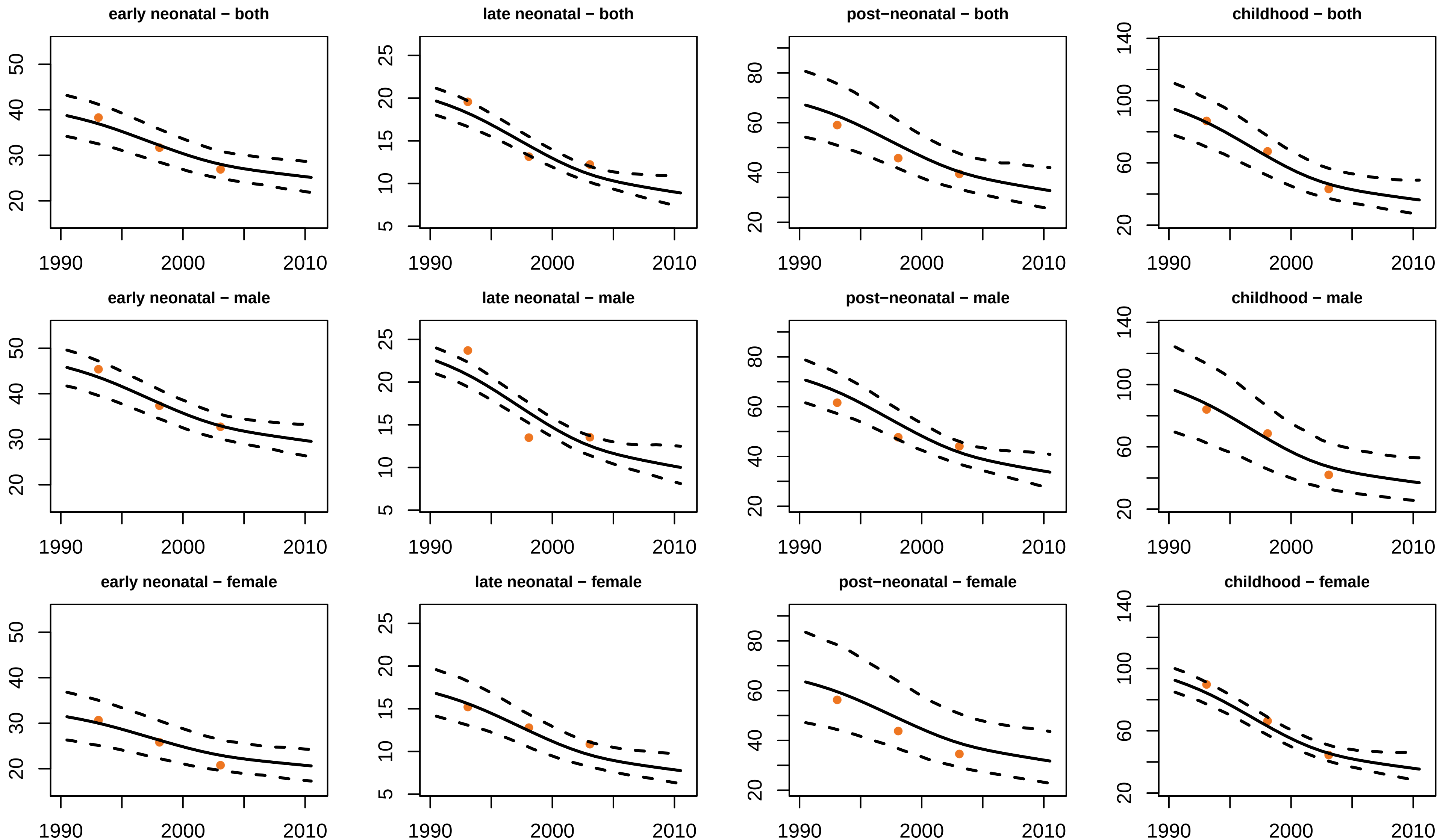


Estonia − 5q0 estimates
vr
census
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female
1990
1995
2000
2005
2010
5
10
15
20
25

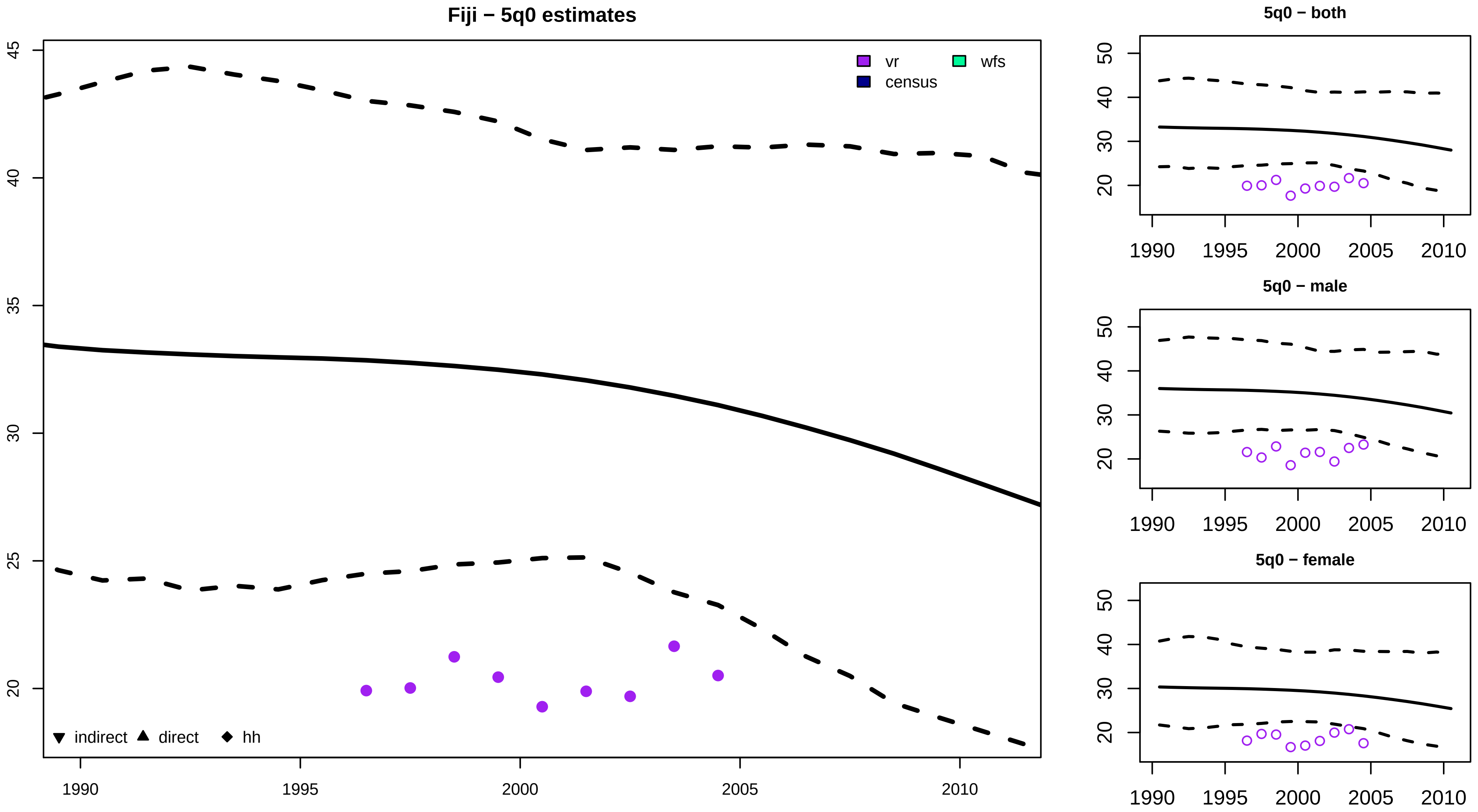

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



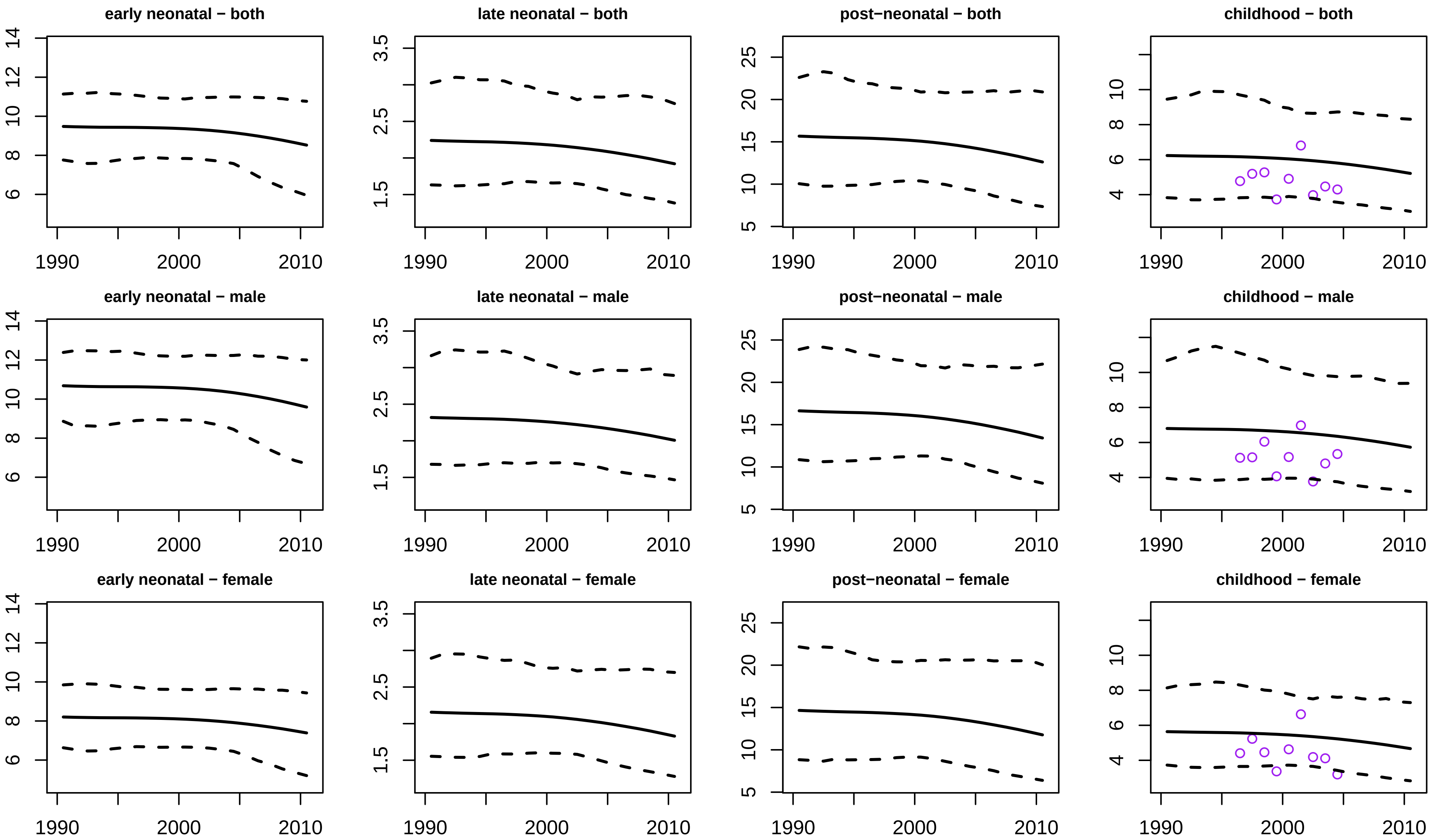
Ethiopia − 5q0 estimates
census
other
dhs
indirect
direct
hh
220
200
180
160
140
120
100
80
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
100
200



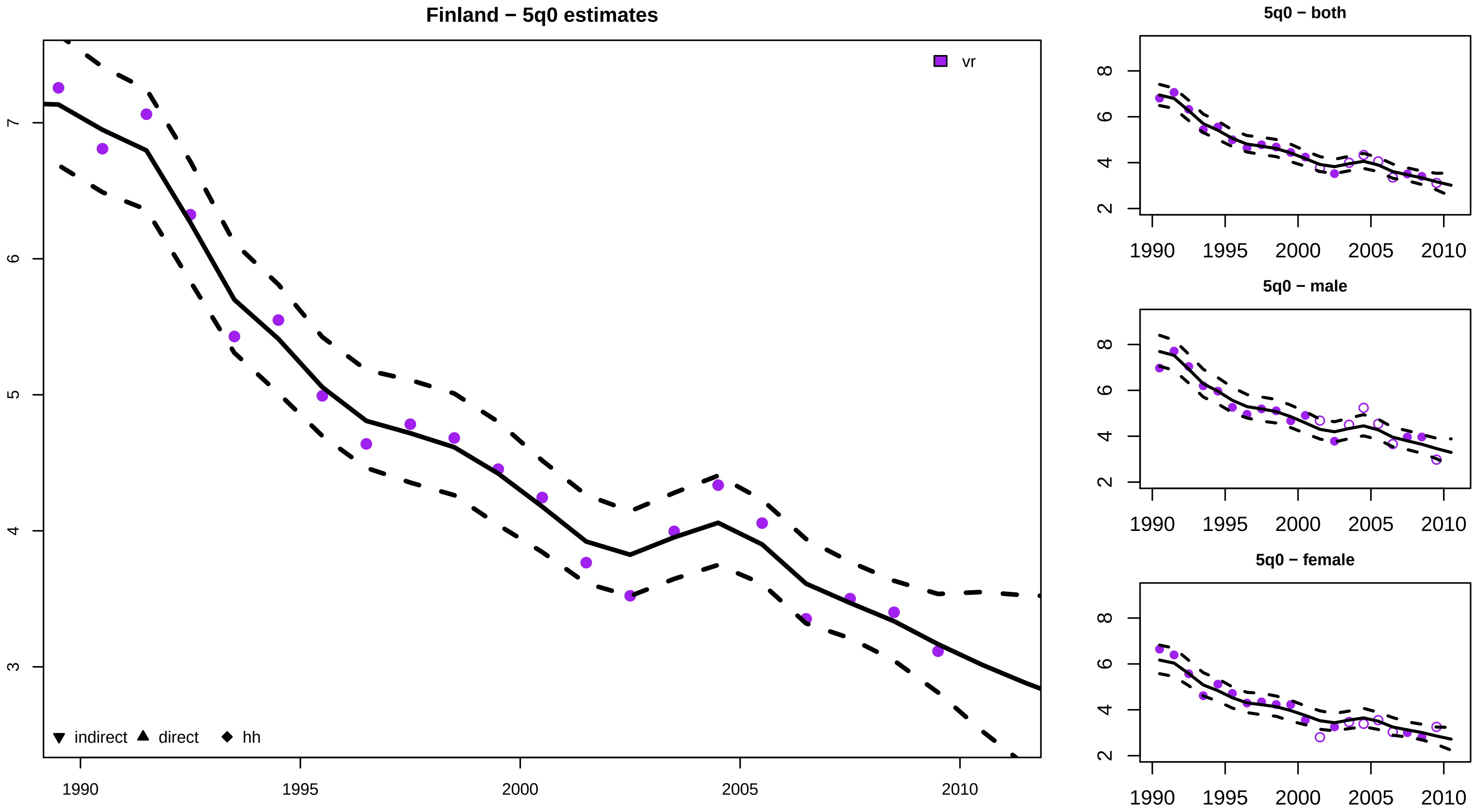
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



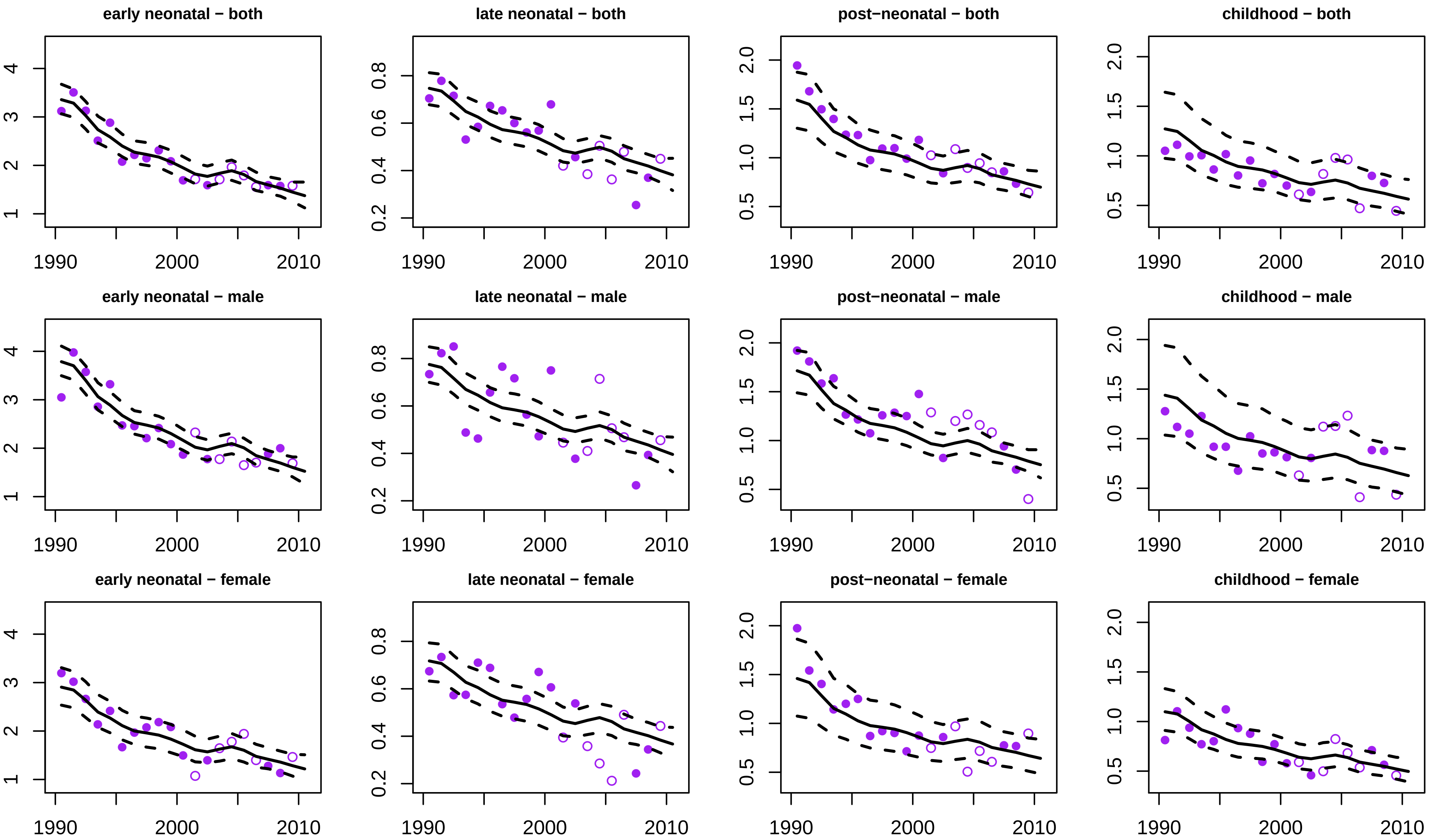
Fiji − 5q0 estimates
vr
wfs
census
indirect
direct
hh
45
40
35
30
25
20
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
50
40
30
20
1990
1995
2000
2005
2010

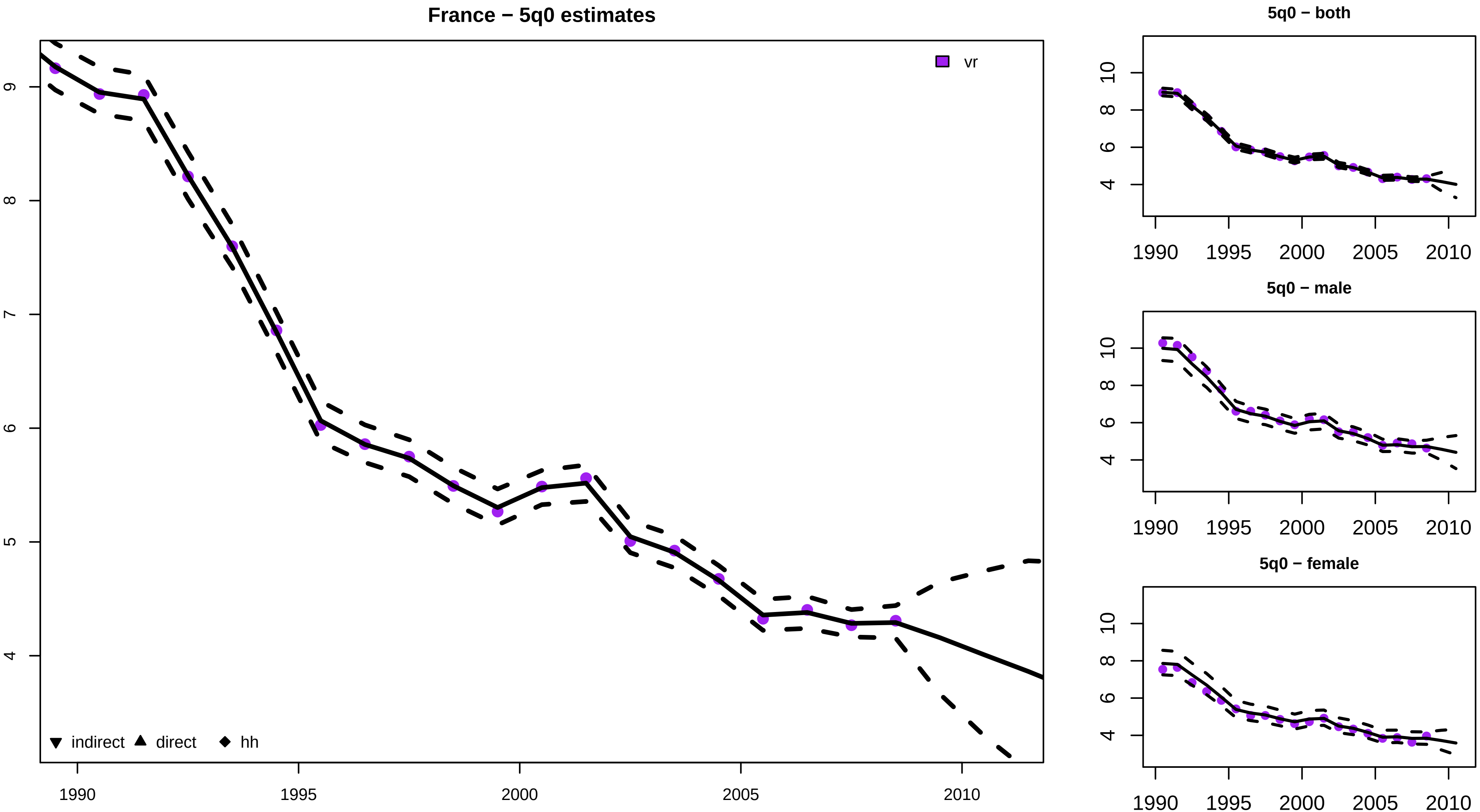


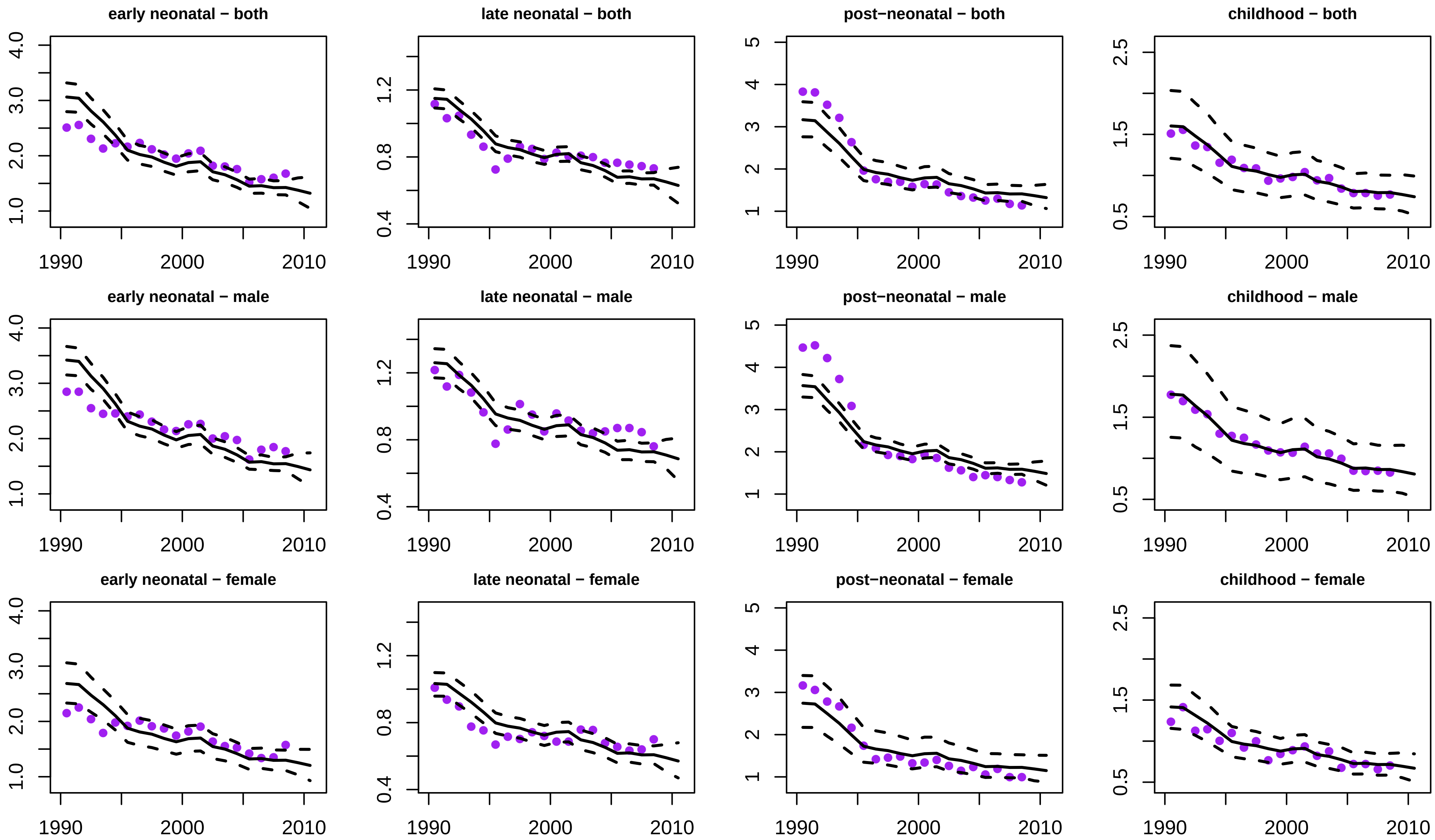
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



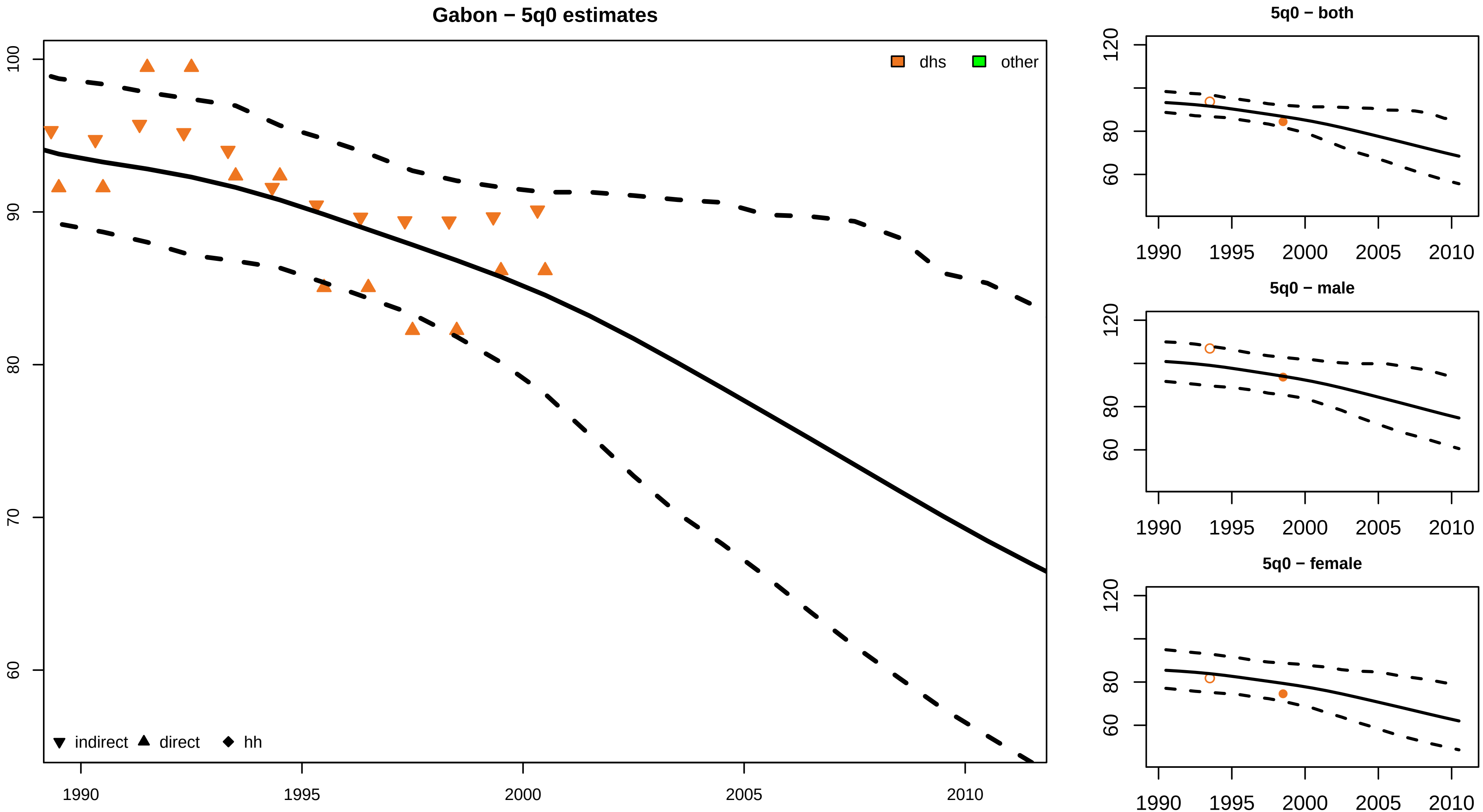
Finland – 5q0 estimates
vr
indirect
direct
hh
1990
1995
2000
2005
2010
3
4
5
6
7
5q0 – both
5q0 – male
5q0 – female
2
4
6
8


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

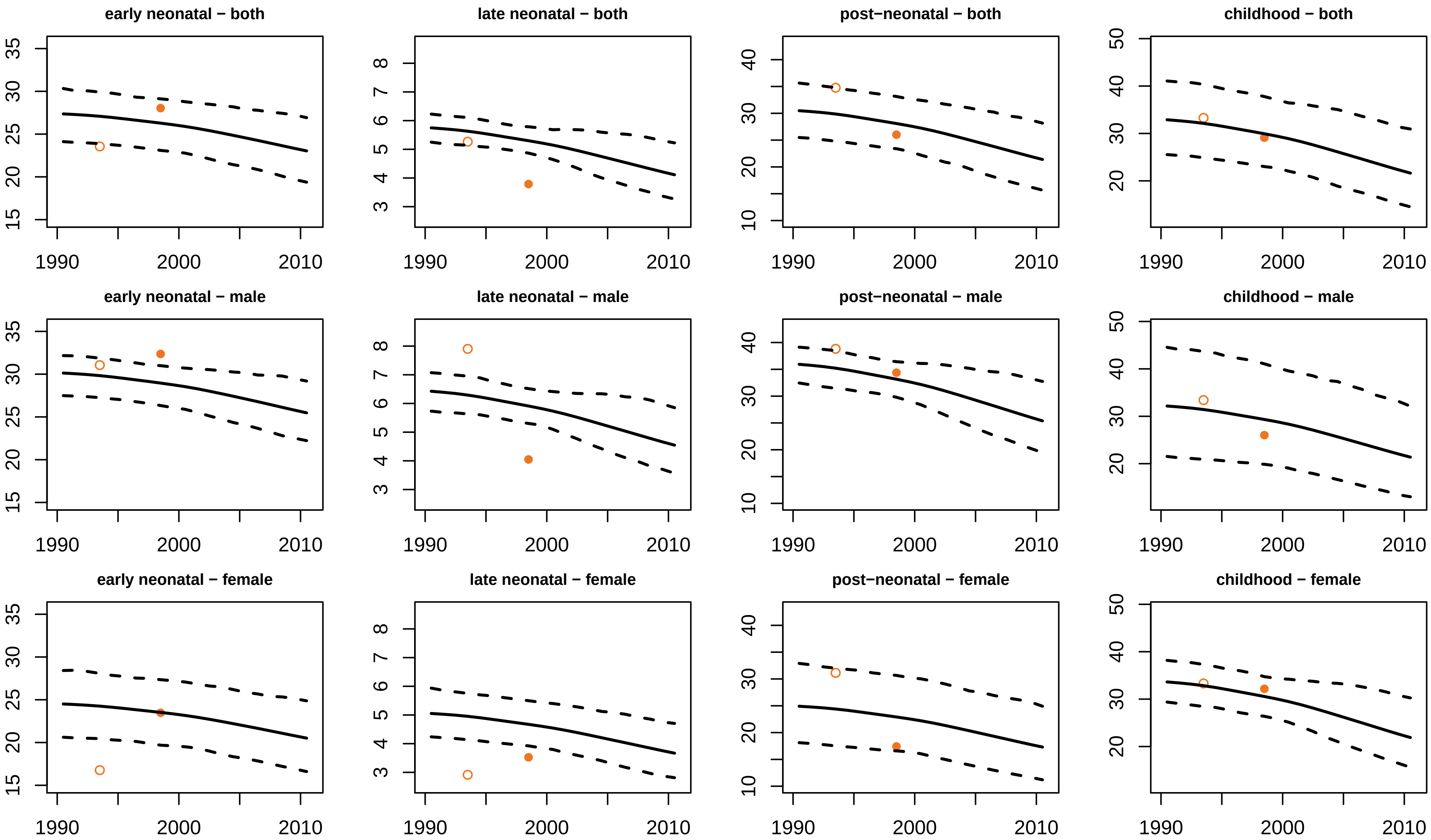

France − 5q0 estimates
vr
indirect
direct
hh
9
8
7
6
5
4
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
10
8
6
4

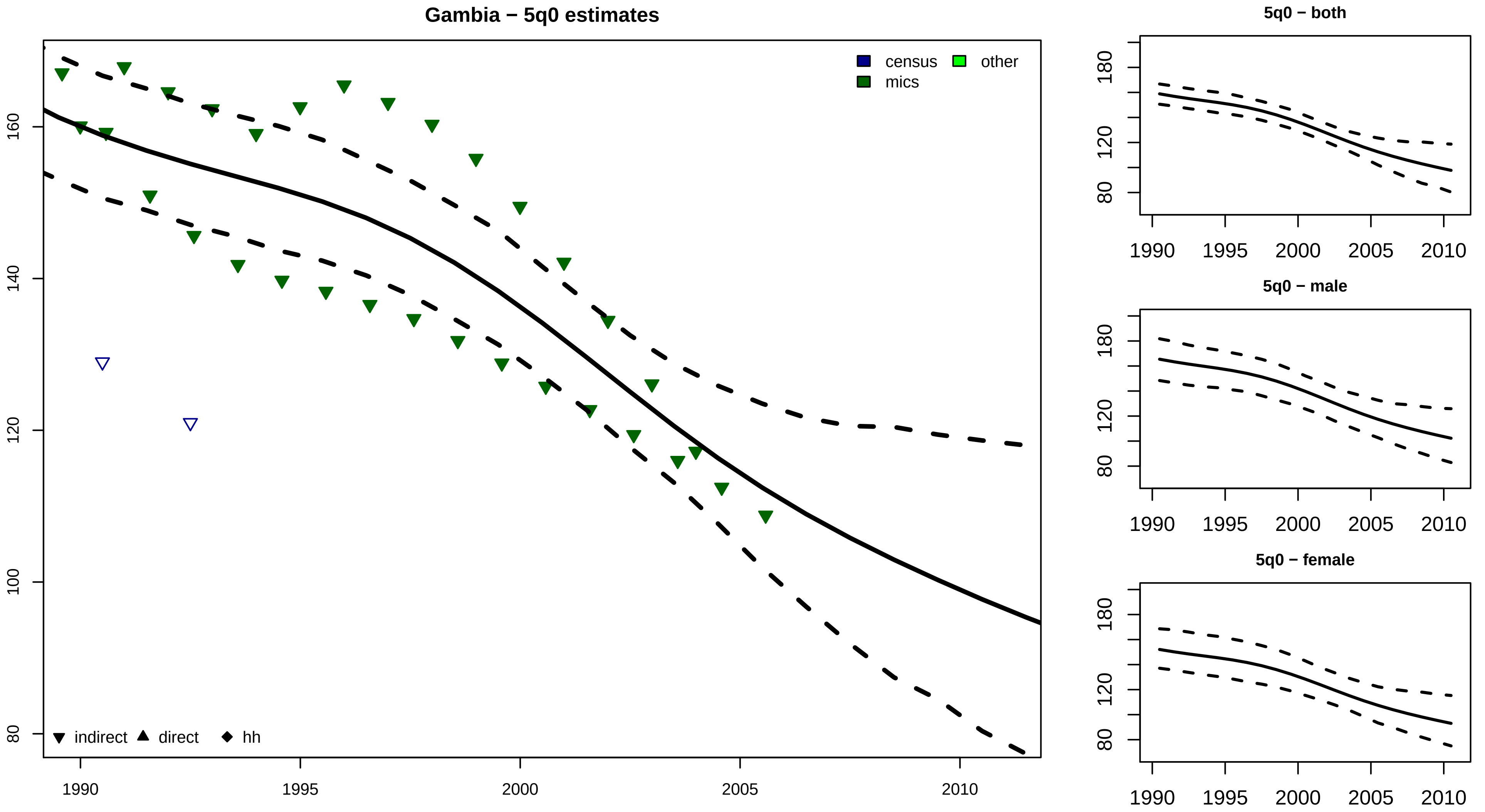


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

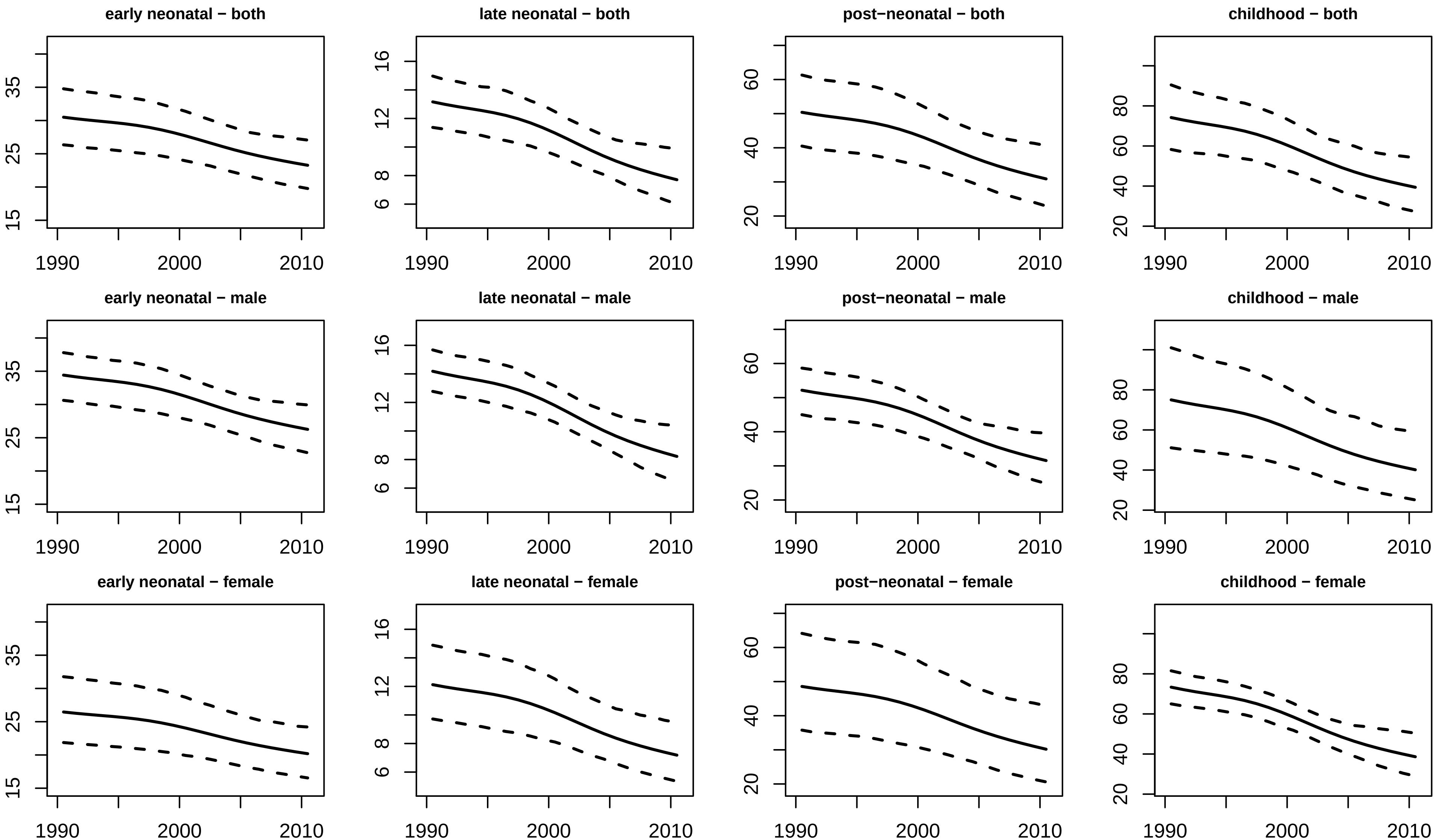


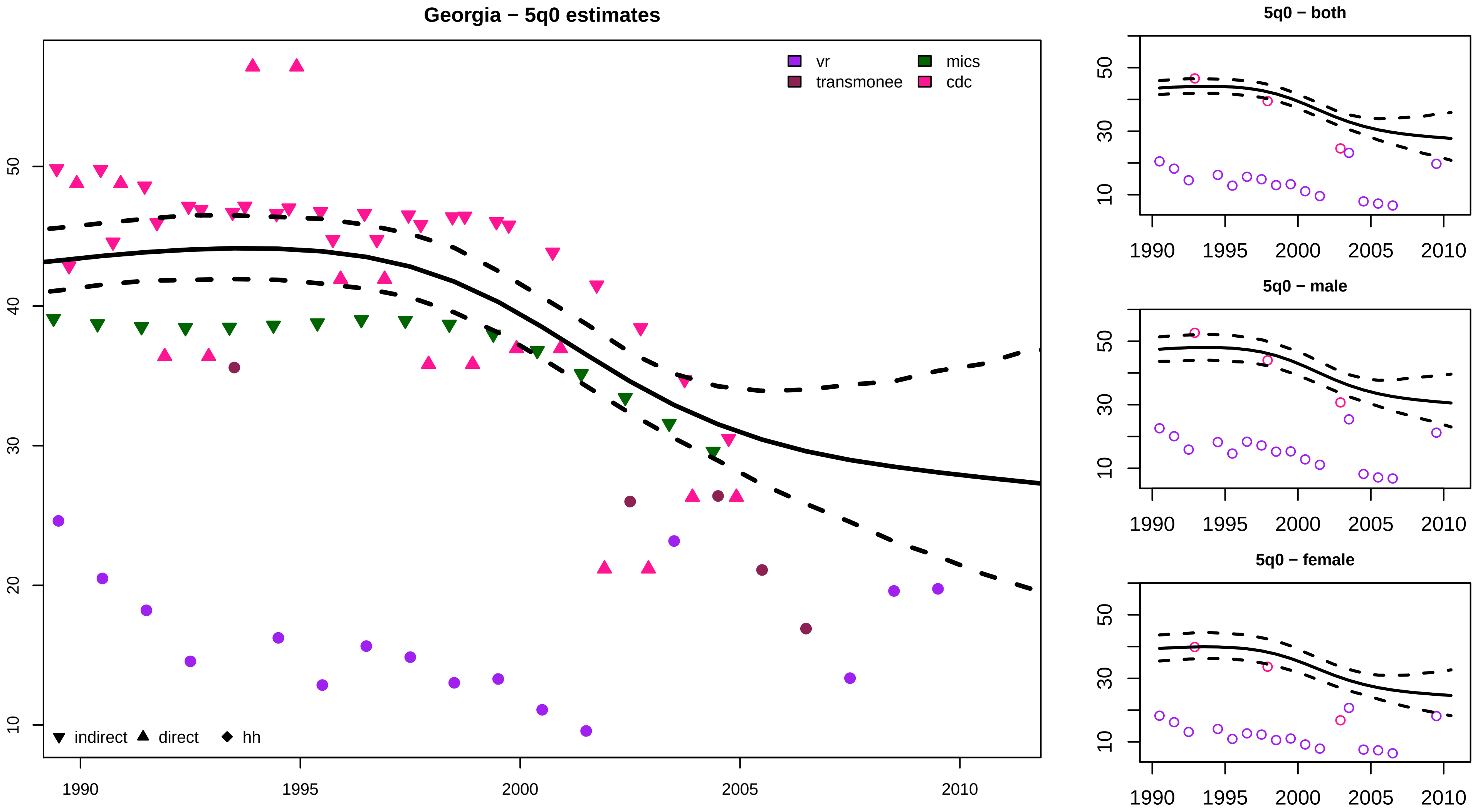
Gabon − 5q0 estimates
dhs
other
indirect
direct
hh
100
90
80
70
60
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
120
80
60


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

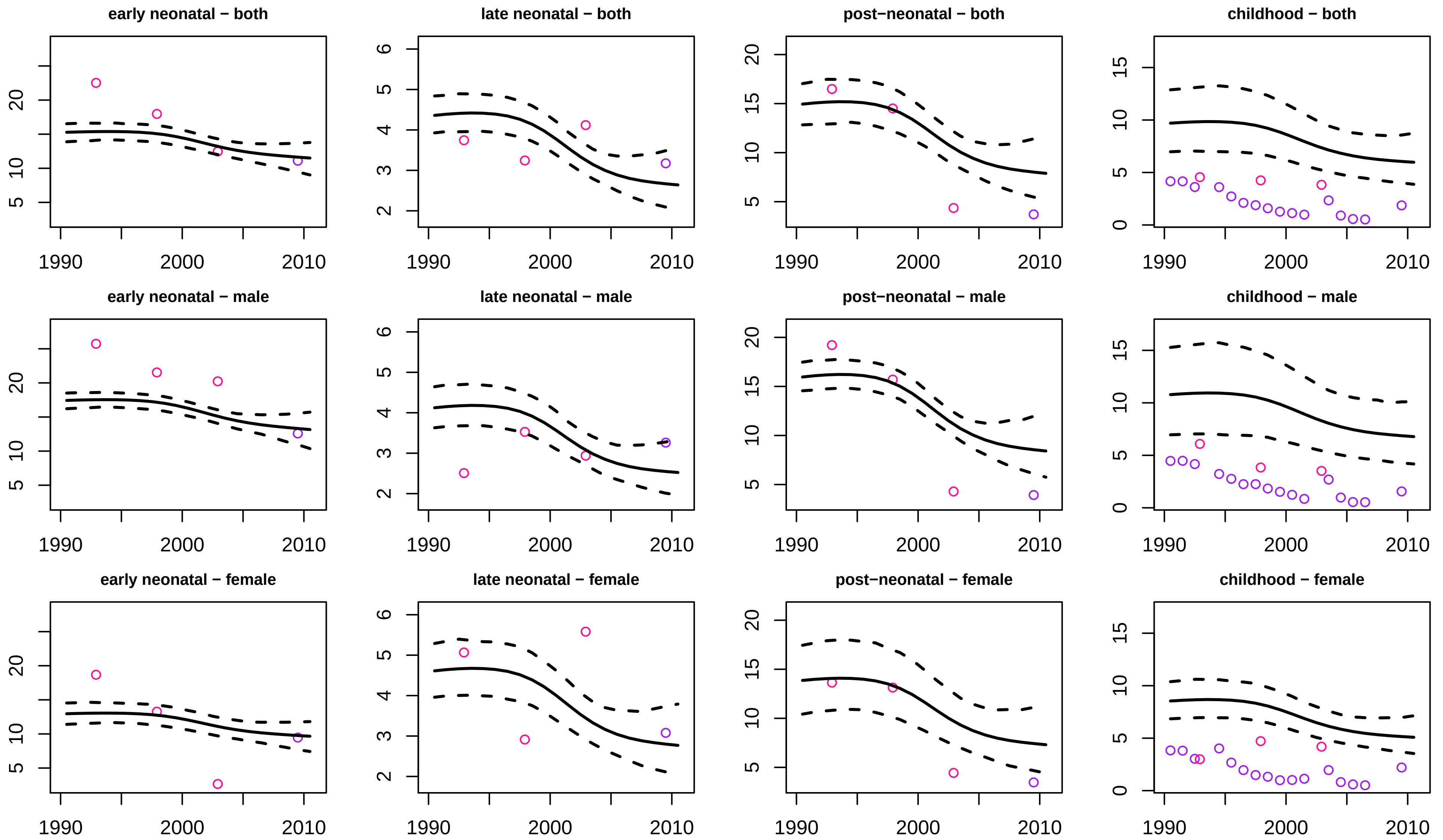


Gambia − 5q0 estimates
census
other
mics
indirect
direct
hh
80
100
120
140
160
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
80
120
180

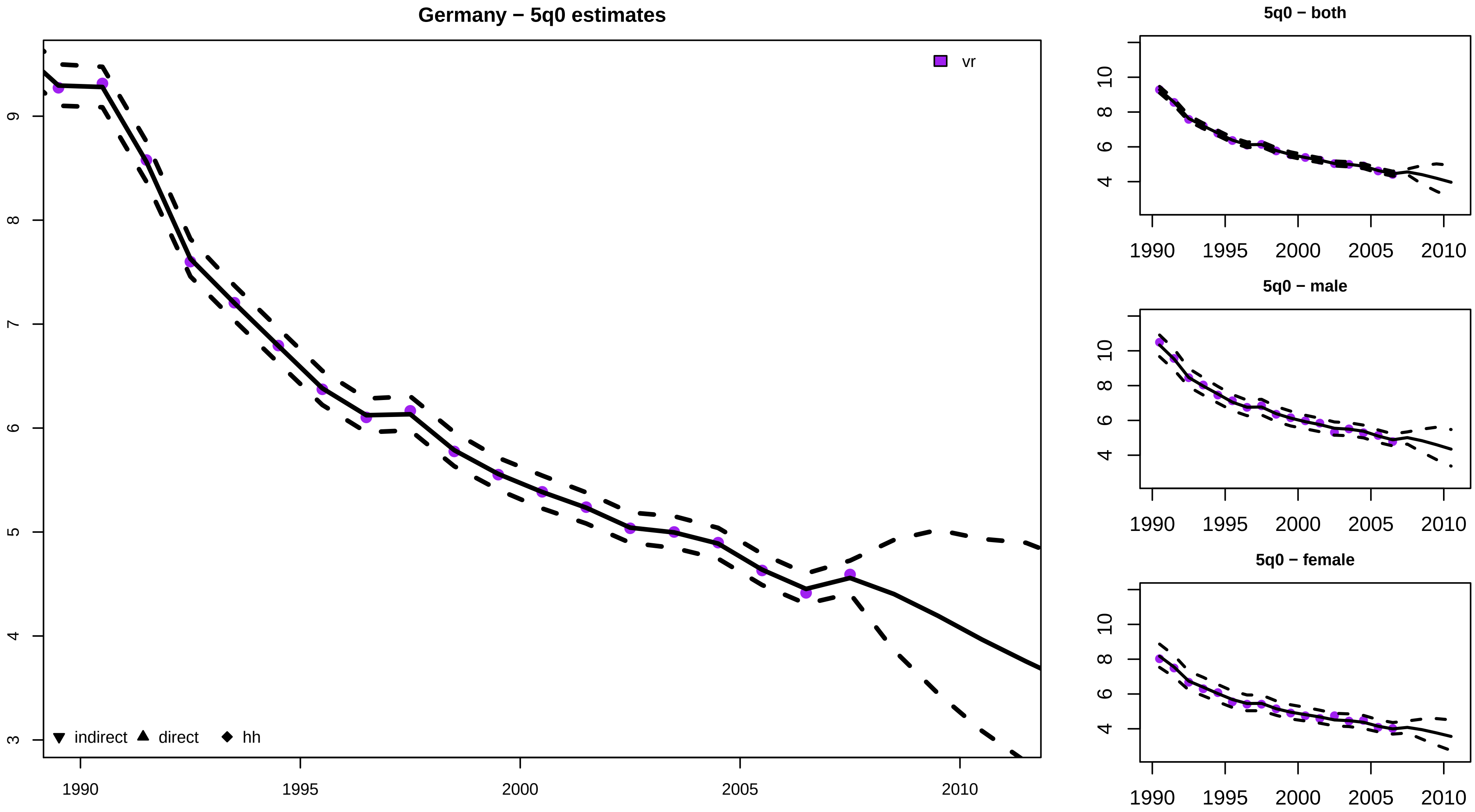

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
15
25
35
6
8
12
16
20
40
60
80
1990
2000
2010



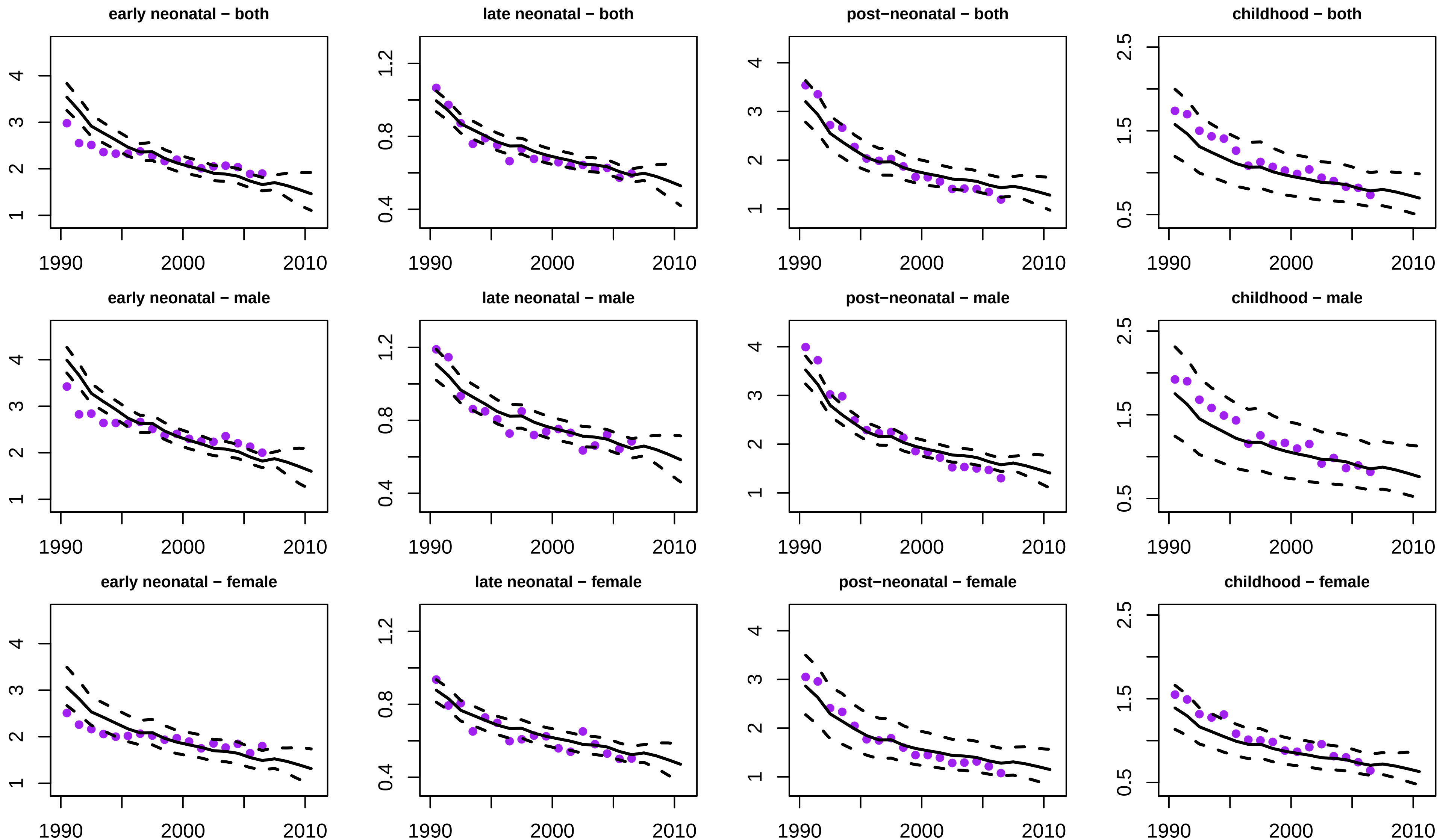
Georgia − 5q0 estimates
vr
transmonee
mics
cdc
indirect
direct
hh
10
20
30
40
50
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

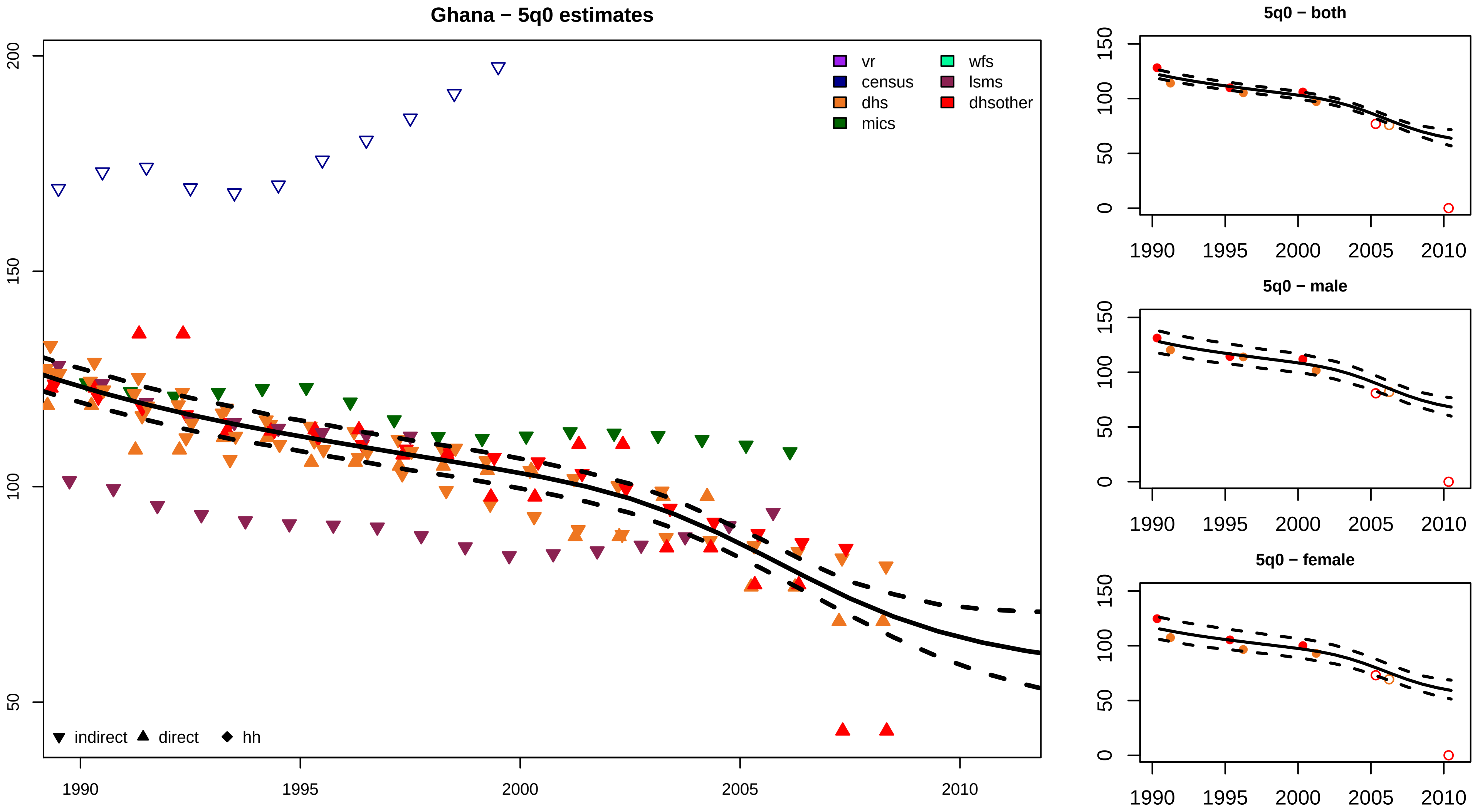


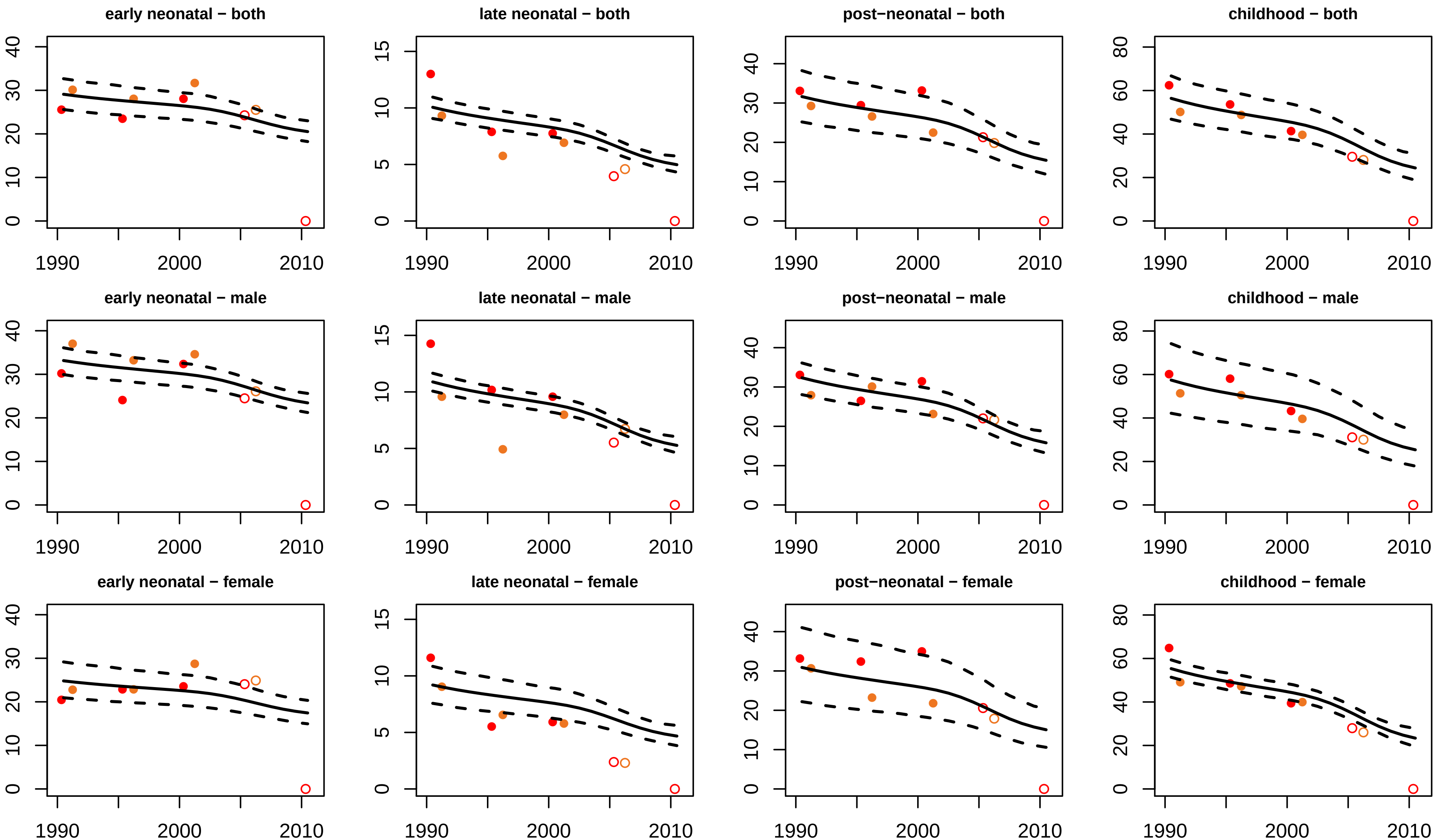
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



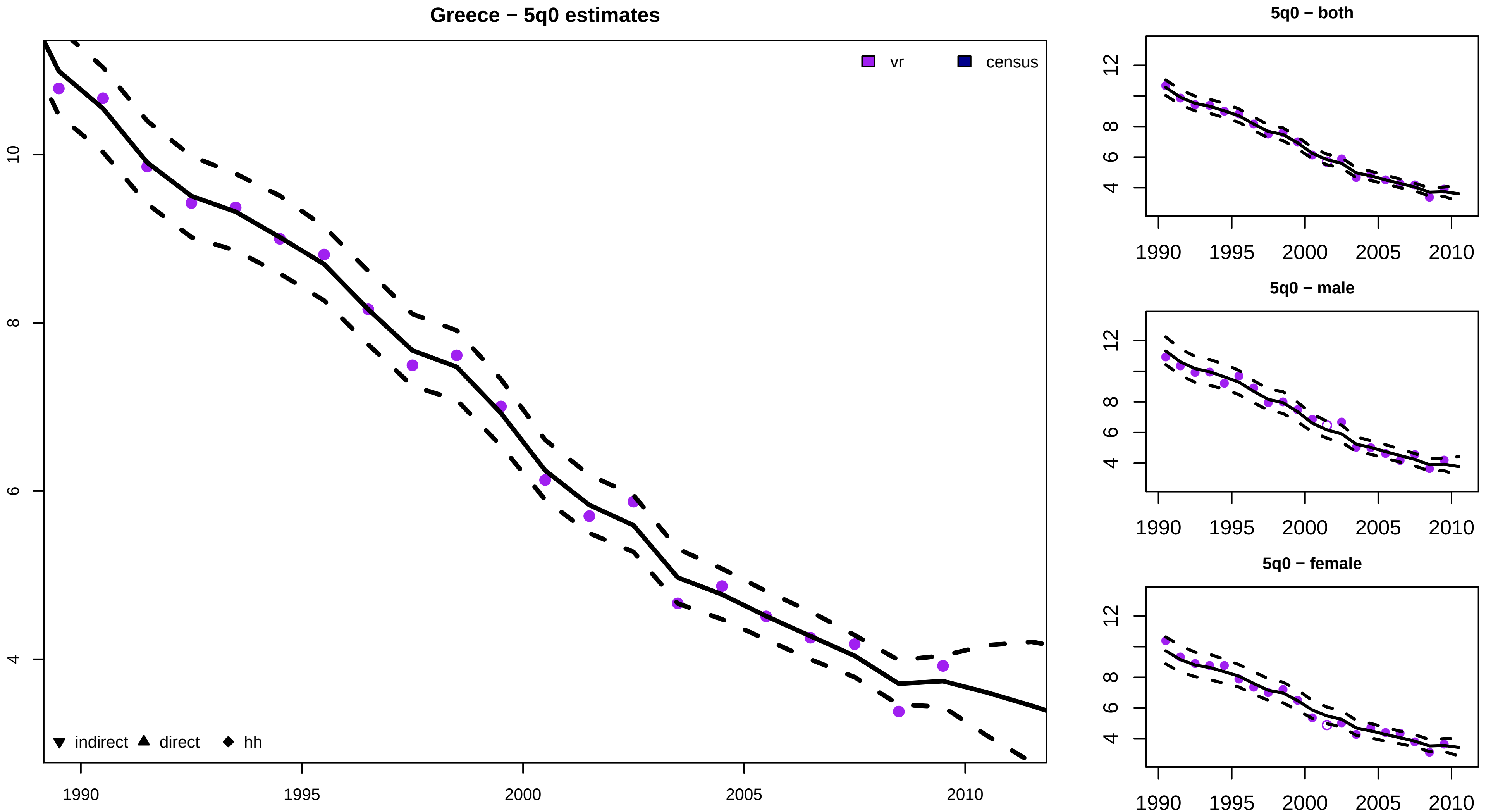
Germany − 5q0 estimates
vr
indirect
direct
hh
1990
1995
2000
2005
2010
3
4
5
6
7
8
9
5q0 − both
5q0 − male
5q0 − female
4
6
8
10

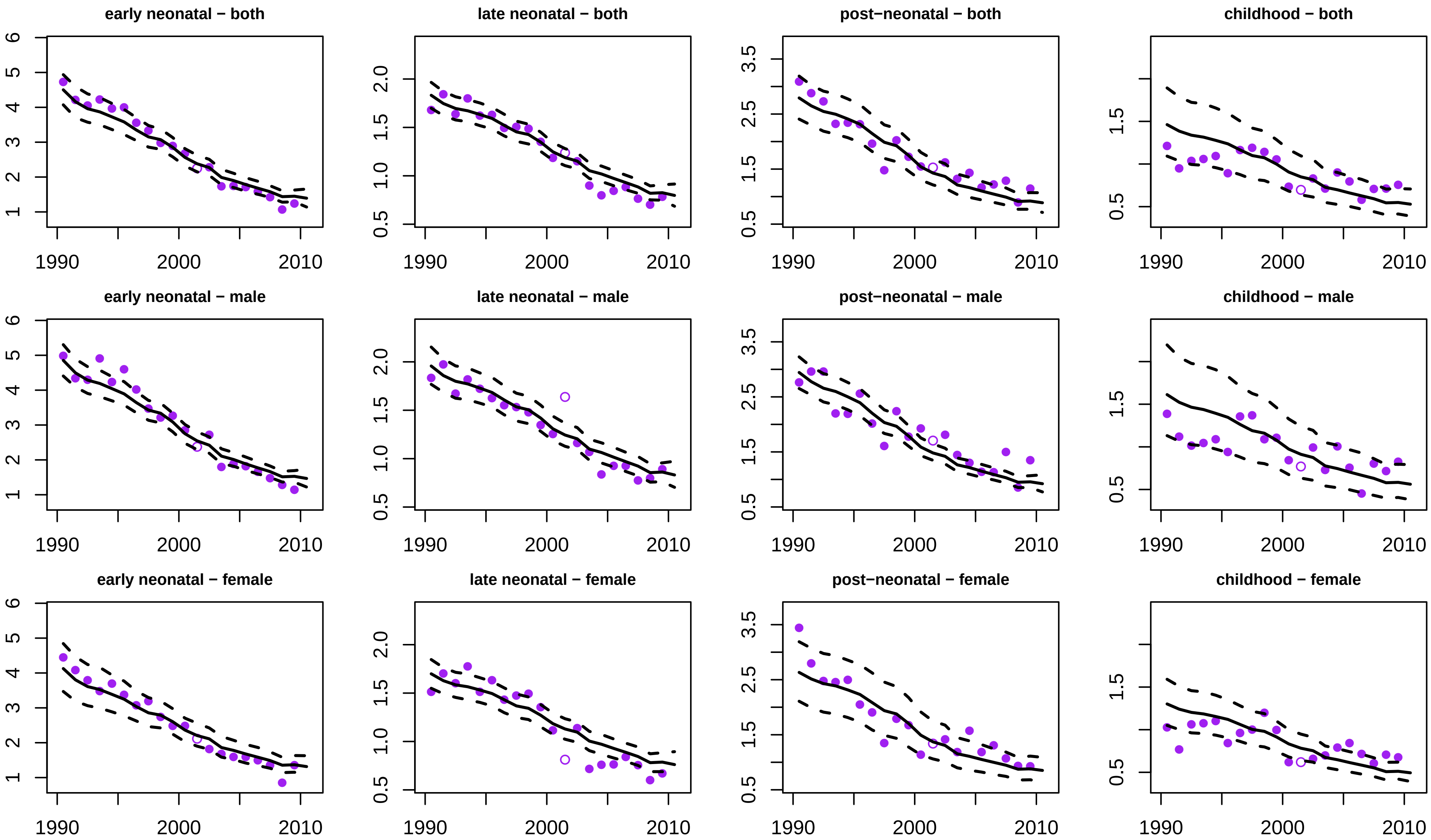

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
1
2
3
4
0.4
0.8
1.2
0.5
1.5
2.5

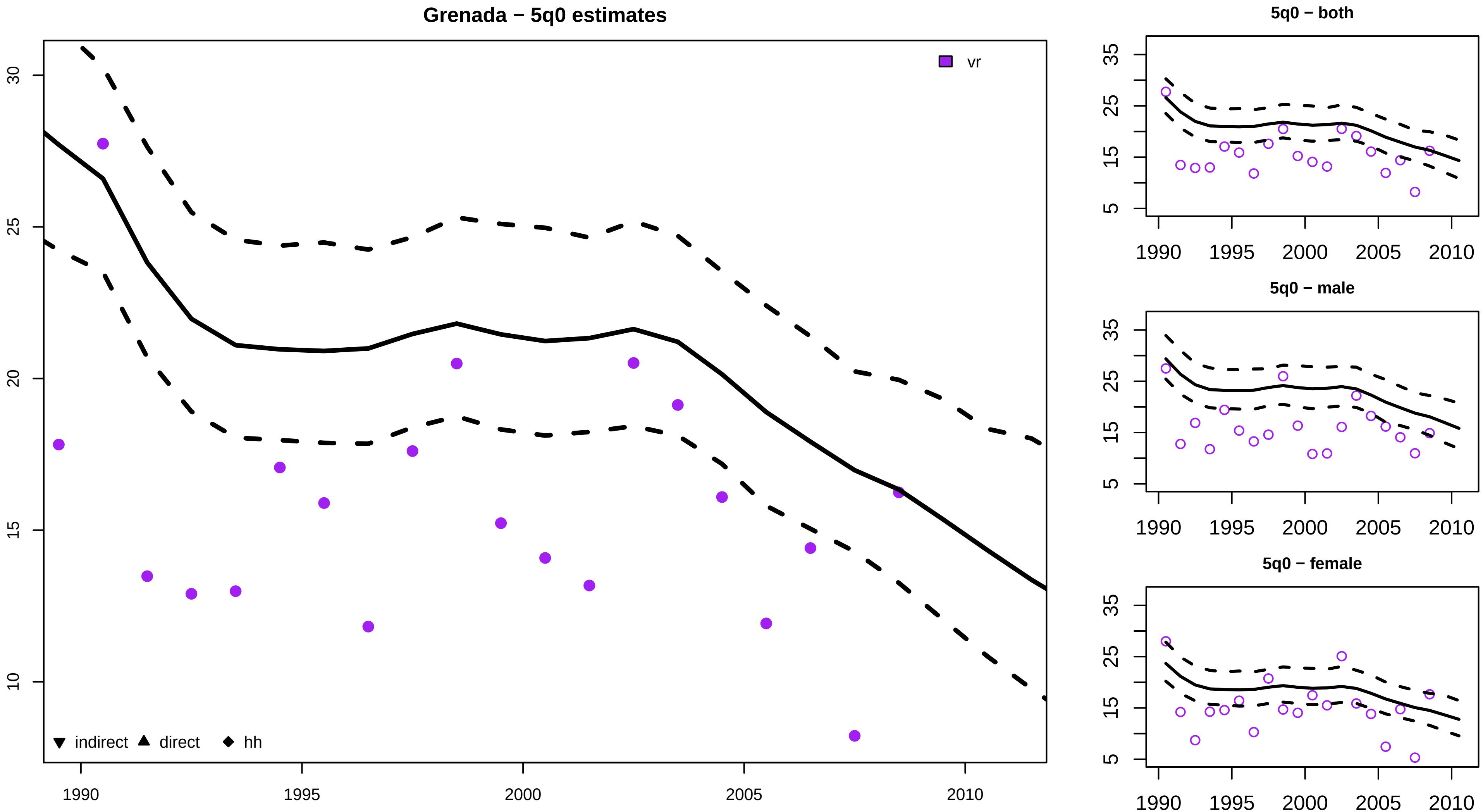

Ghana − 5q0 estimates
200
150
100
50
1990
1995
2000
2005
2010
vr
census
dhs
mics
wfs
lsms
dhsother
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female
0
50
100
150



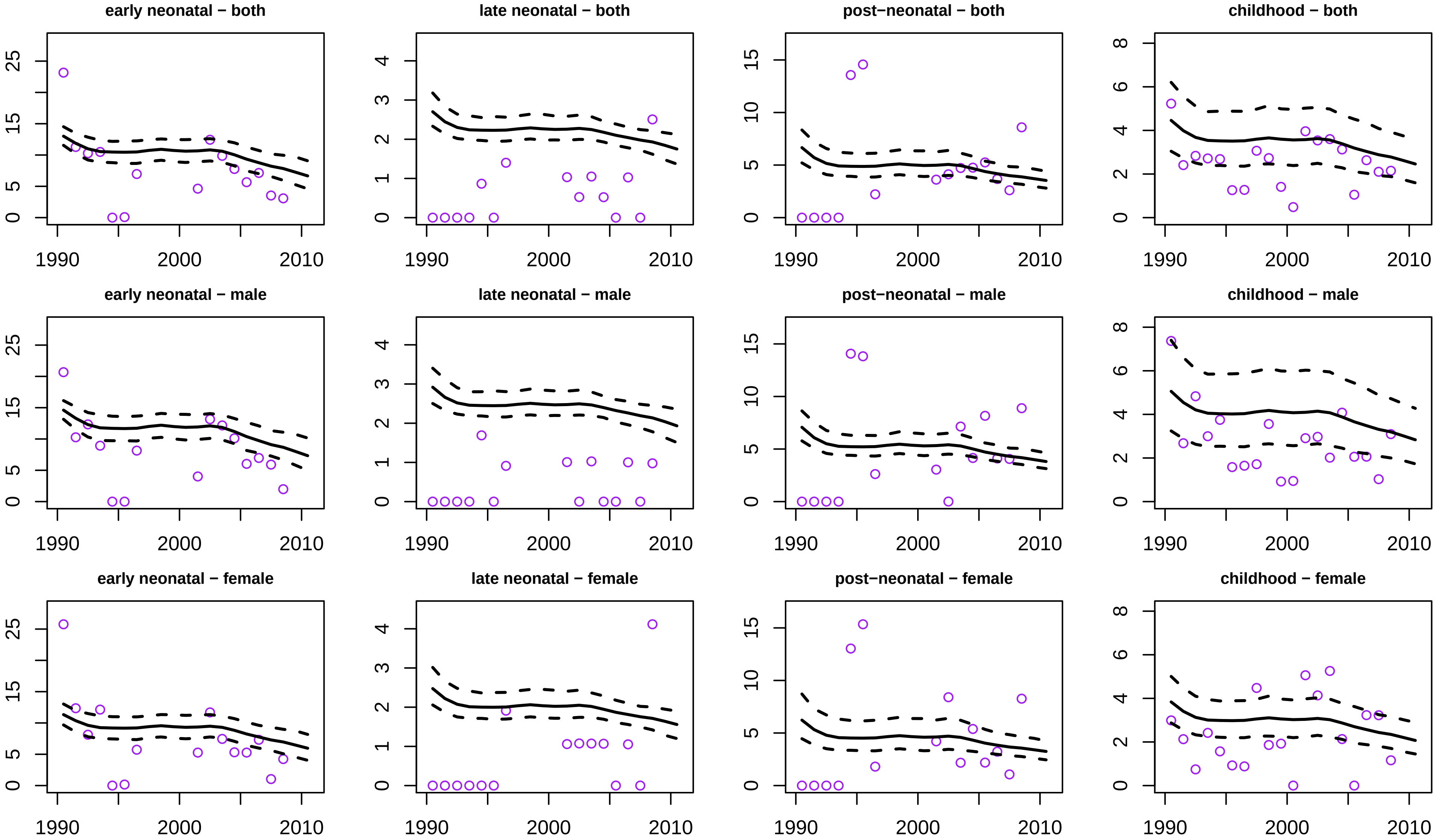
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


Greece − 5q0 estimates
vr
census
indirect
direct
hh
4
6
8
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
4
6
8
12

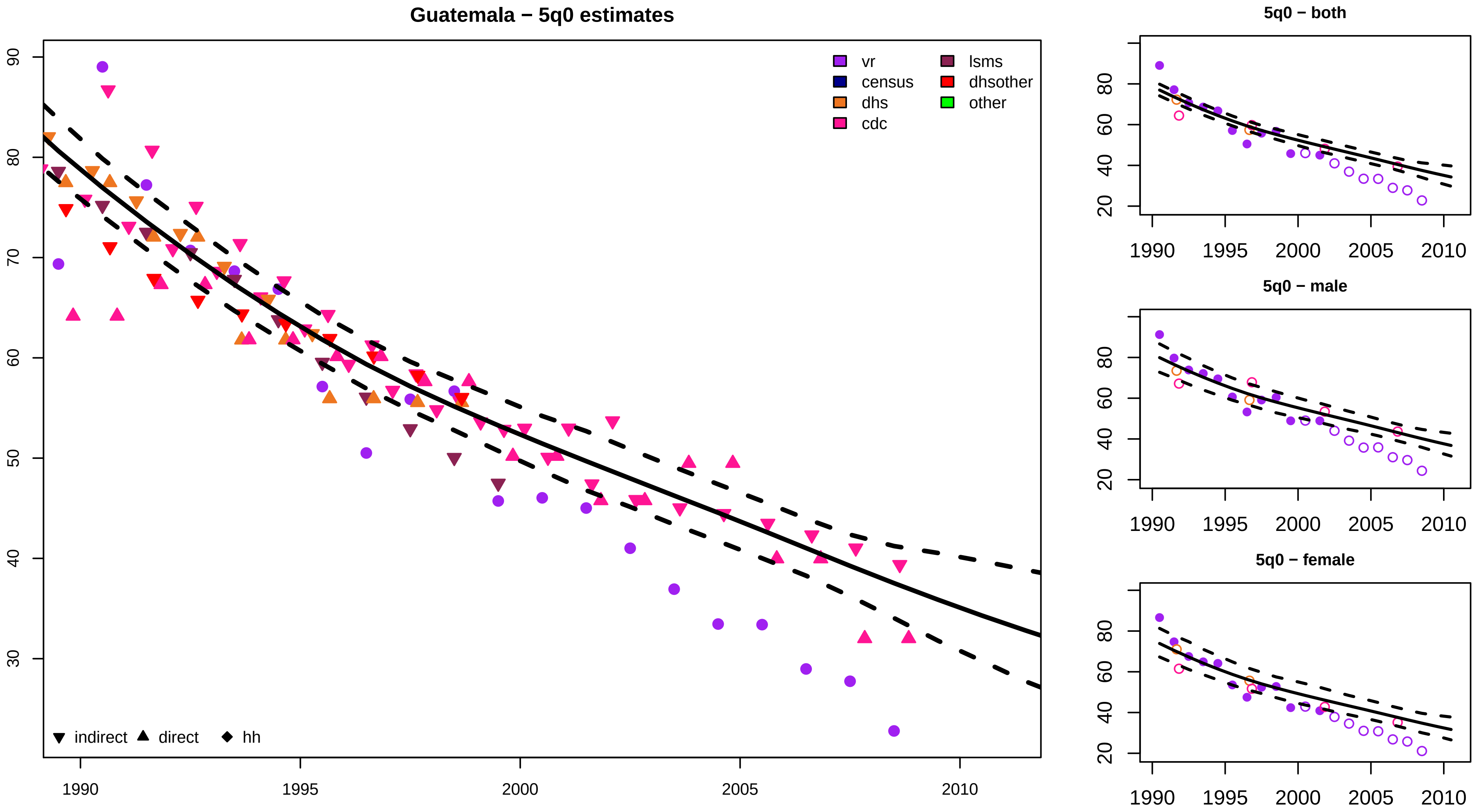

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



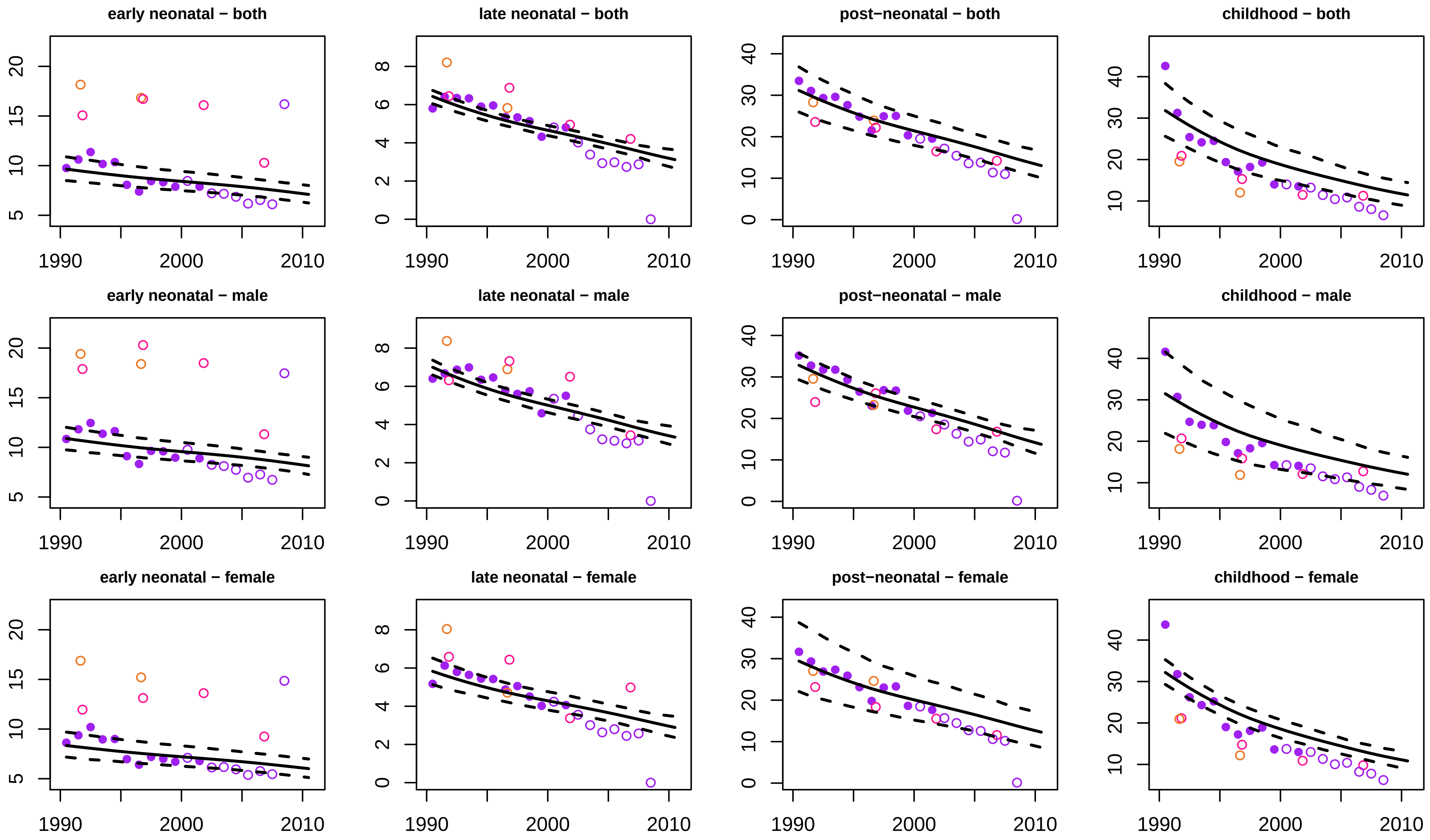
Grenada − 5q0 estimates
vr
indirect
direct
hh
30
25
20
15
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
35
5



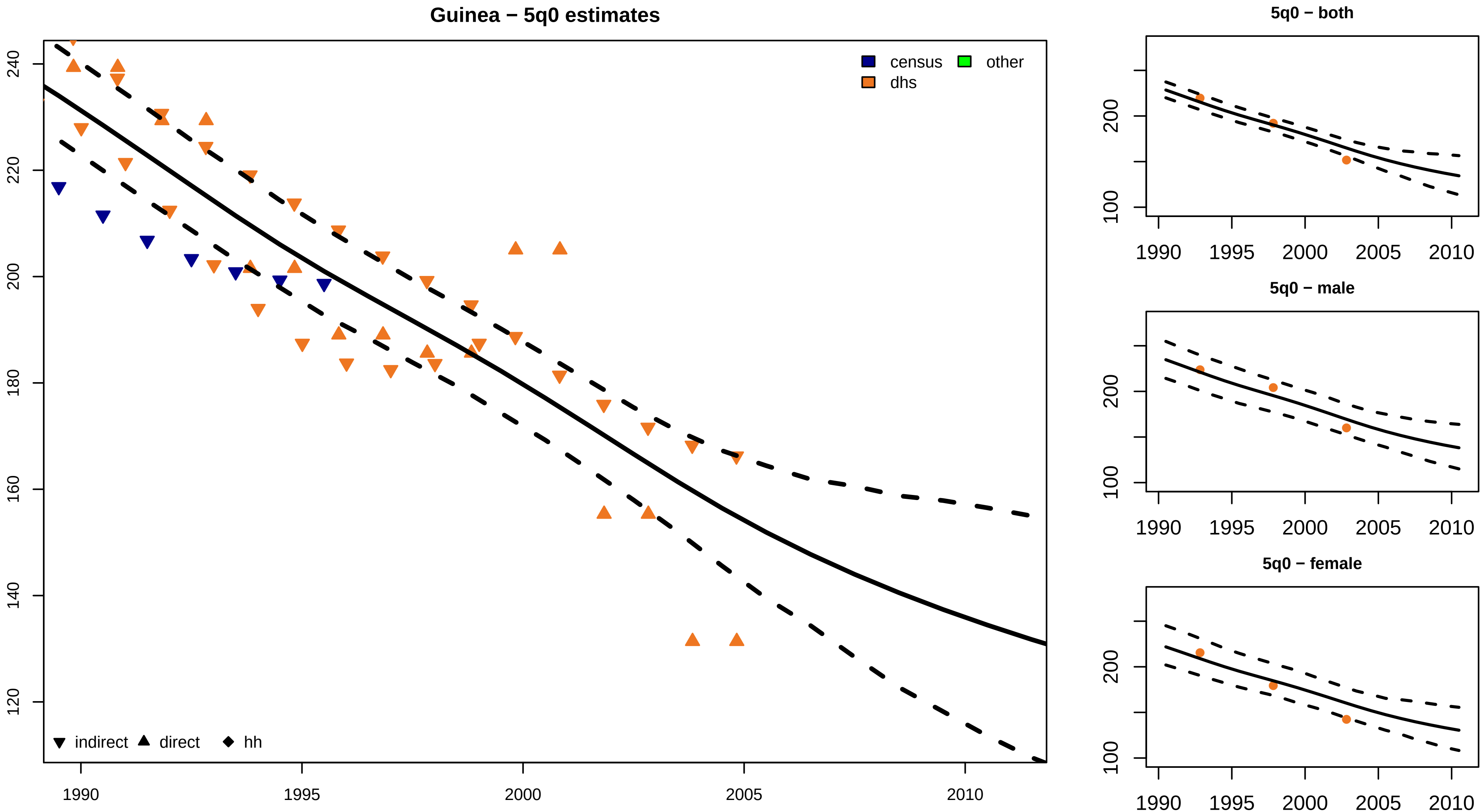
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



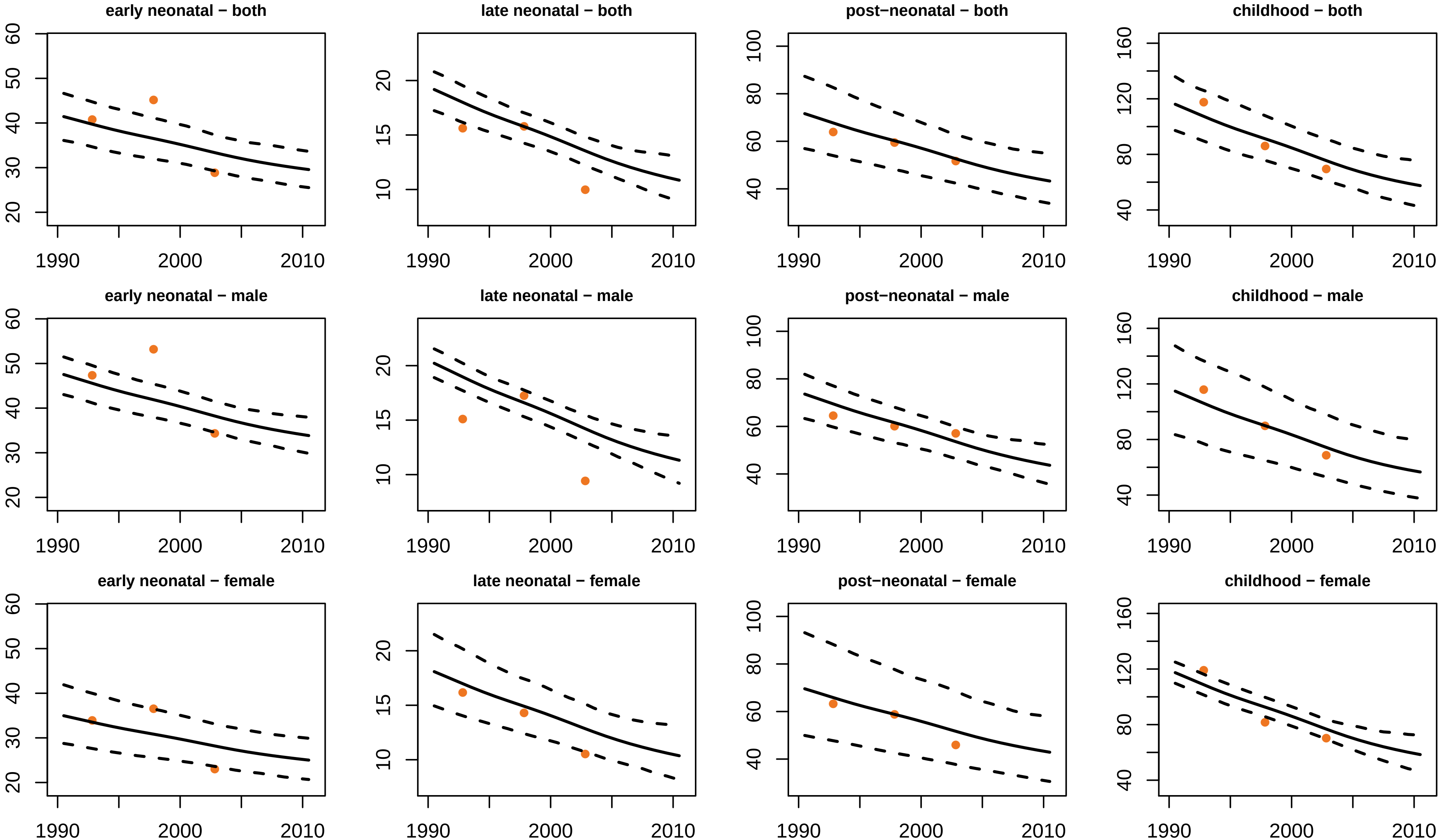
Guatemala − 5q0 estimates
90
80
70
60
50
40
30
1990
1995
2000
2005
2010
vr
census
dhs
cdc
lsms
dhsother
other
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female
20
40
60
80



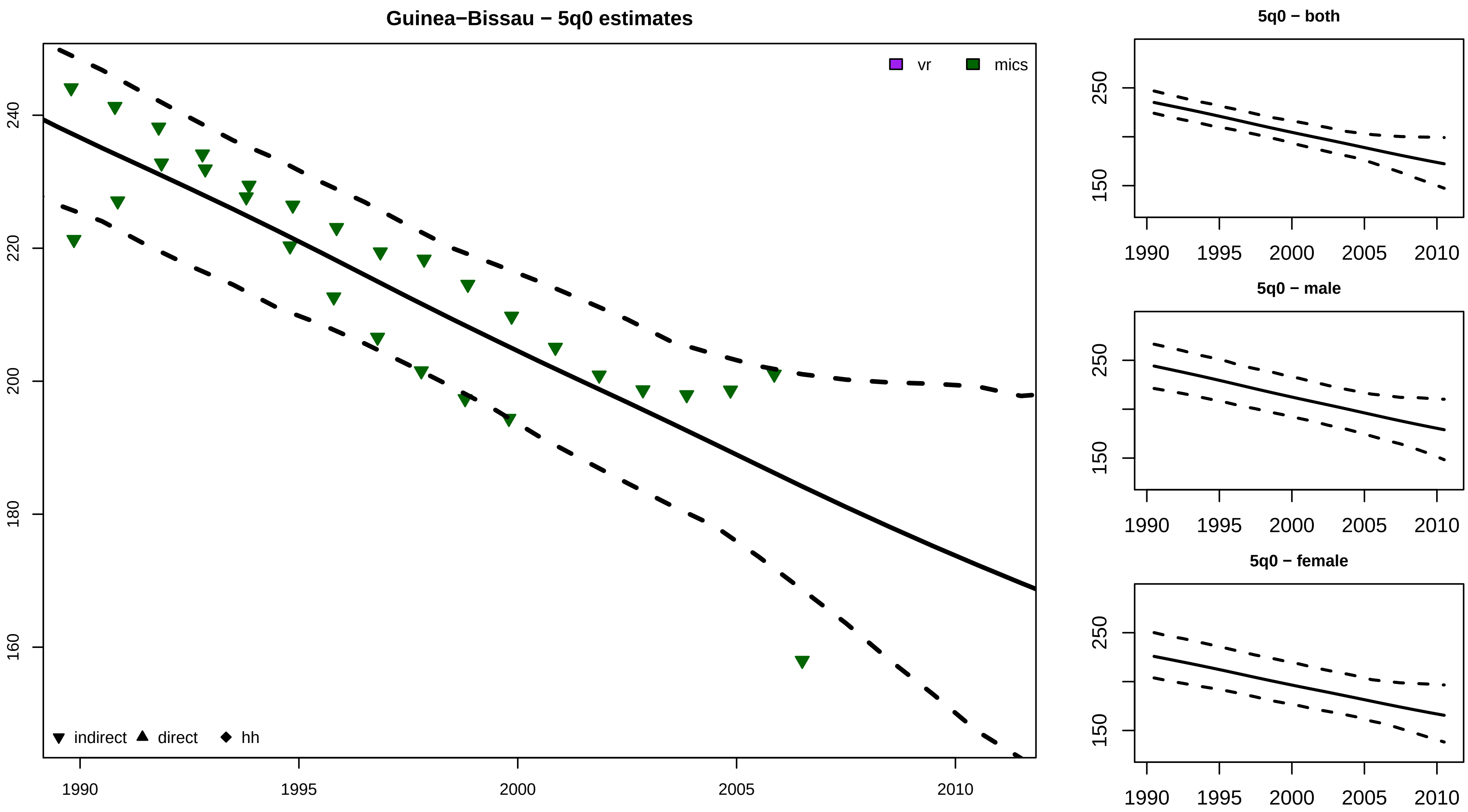
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



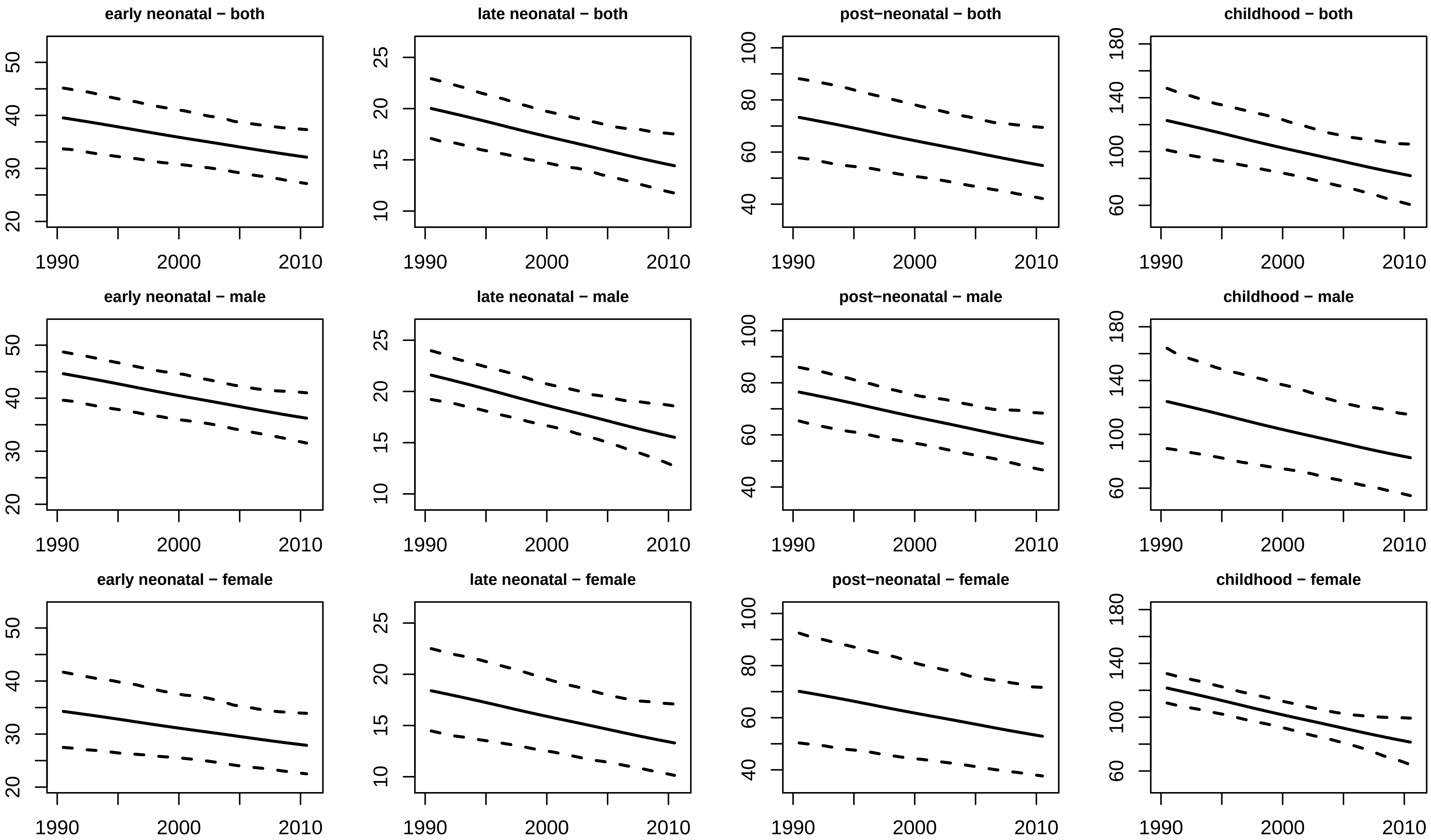
Guinea − 5q0 estimates
census
other
dhs
indirect
direct
hh
240
220
200
180
160
140
120
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
100
200

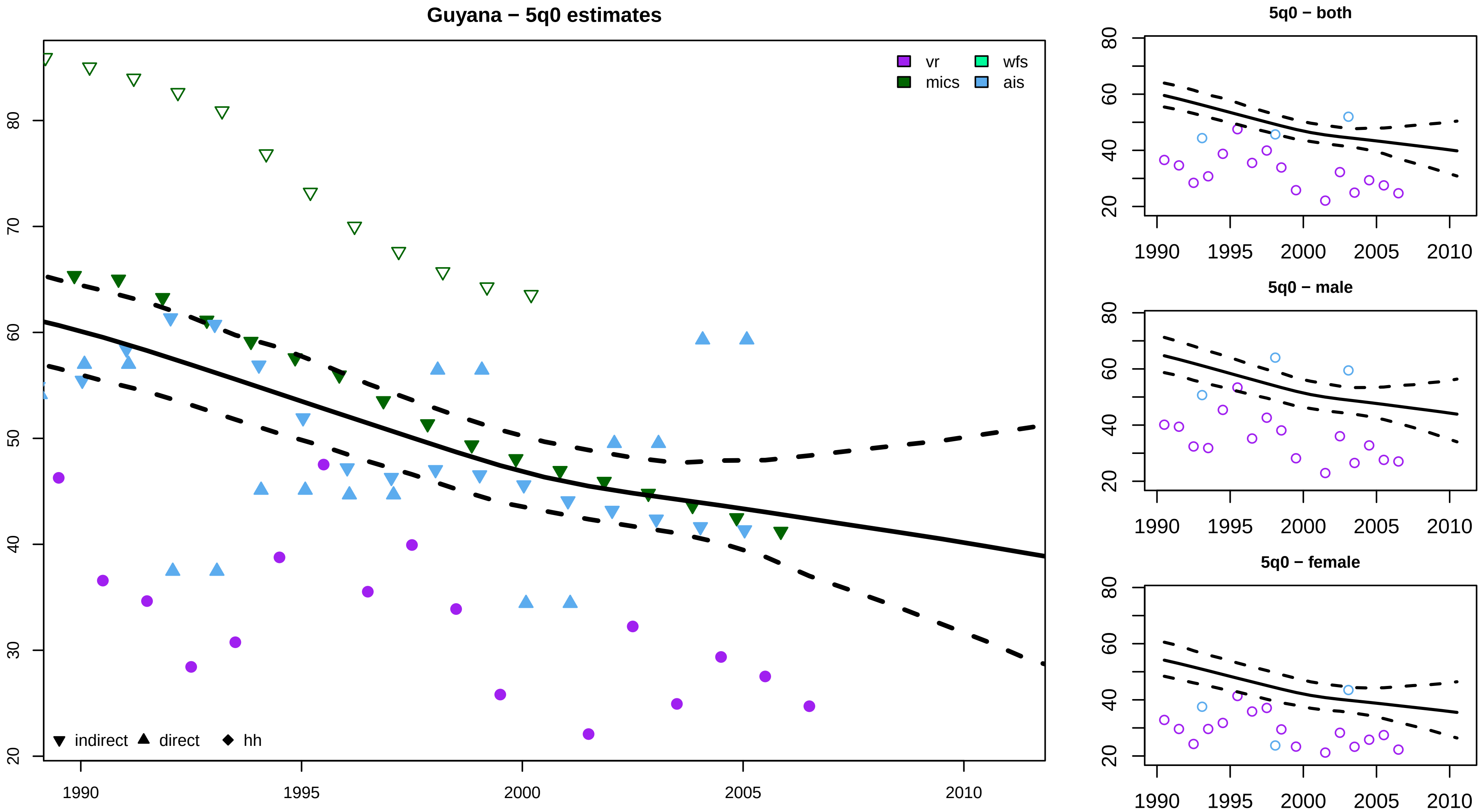


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

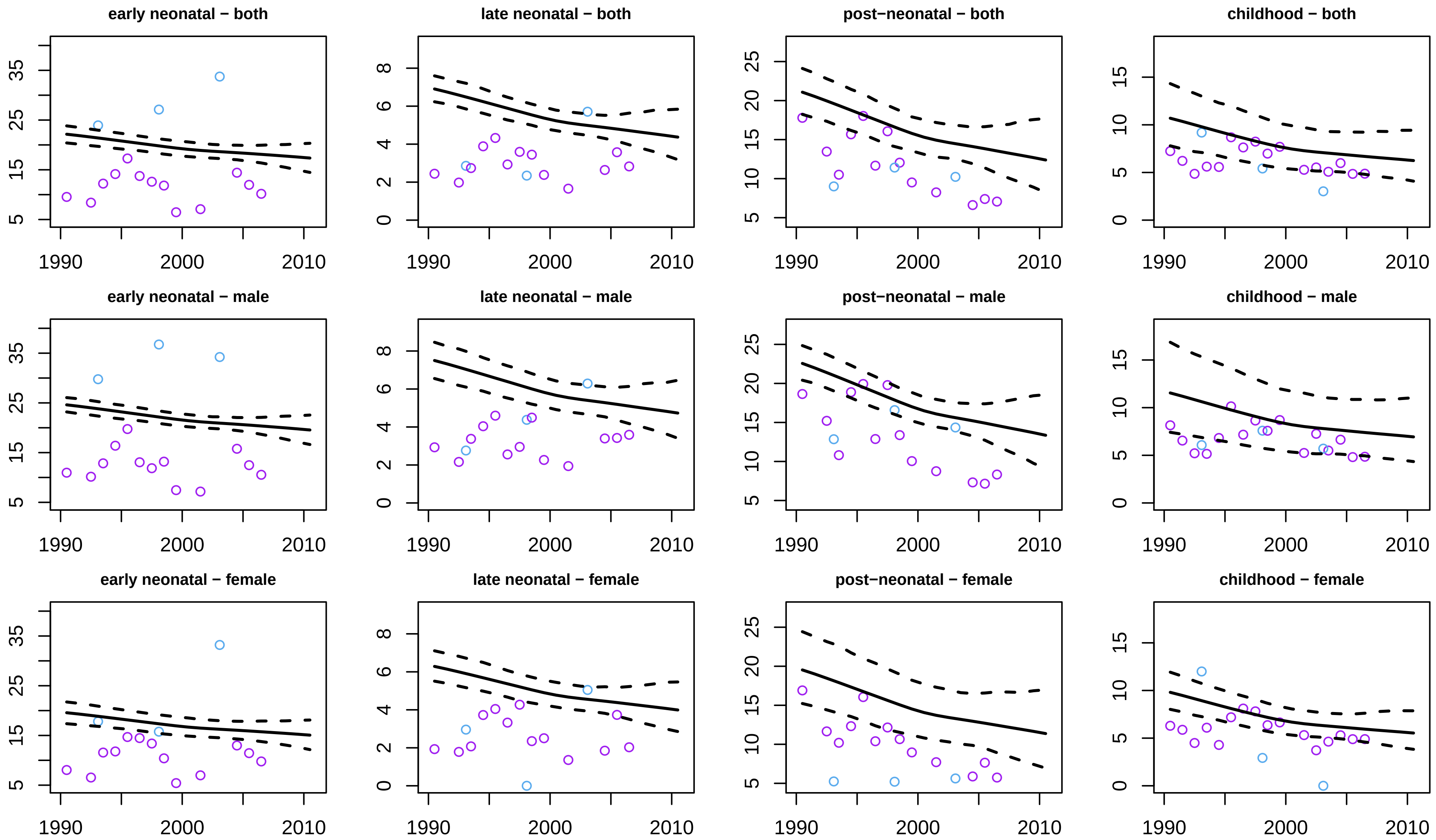


Guinea−Bissau − 5q0 estimates
vr
mics
indirect
direct
hh
240
220
200
180
160
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
250
150

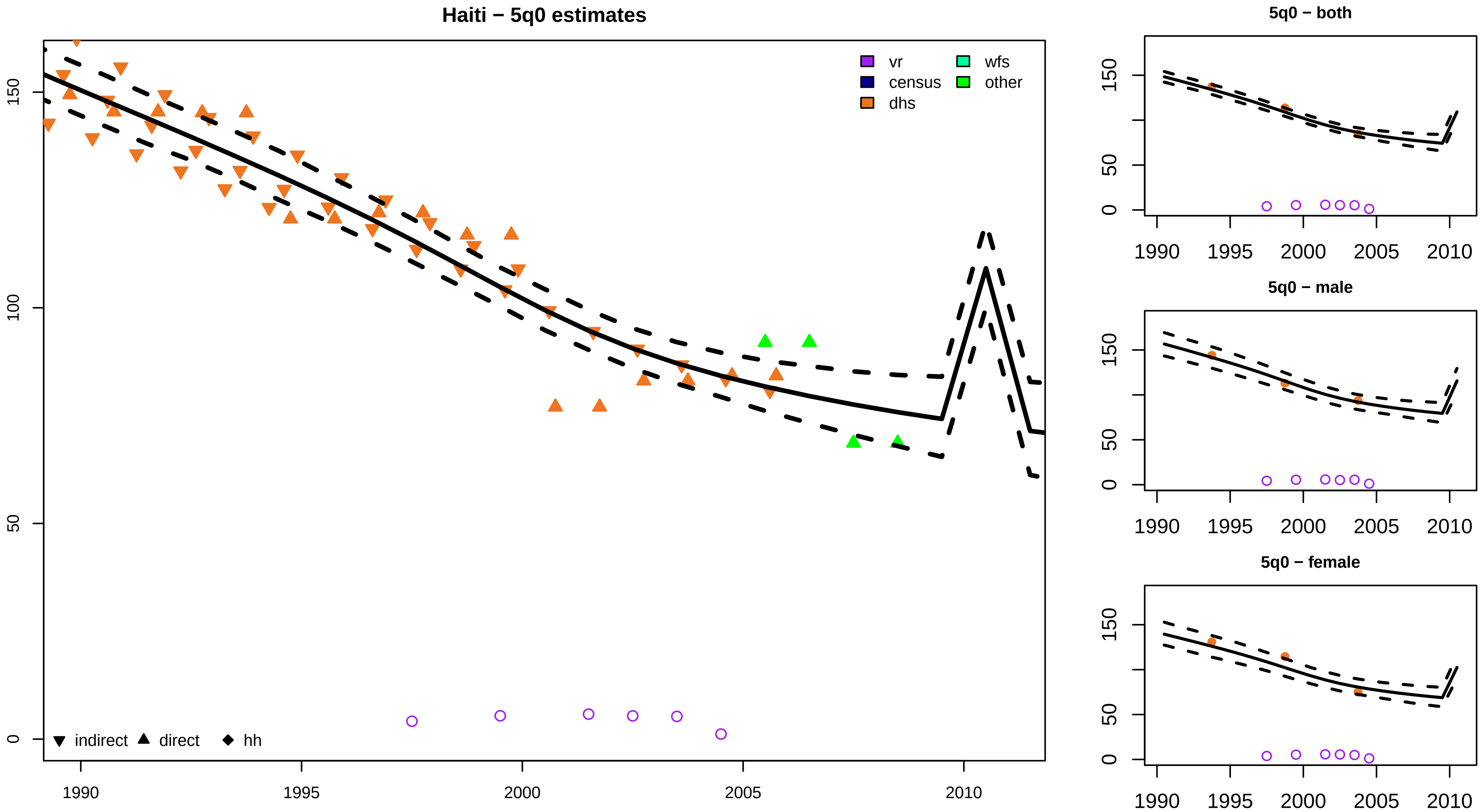

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
20
30
40
50
10
15
20
25
40
60
80
100
60
100
140
180



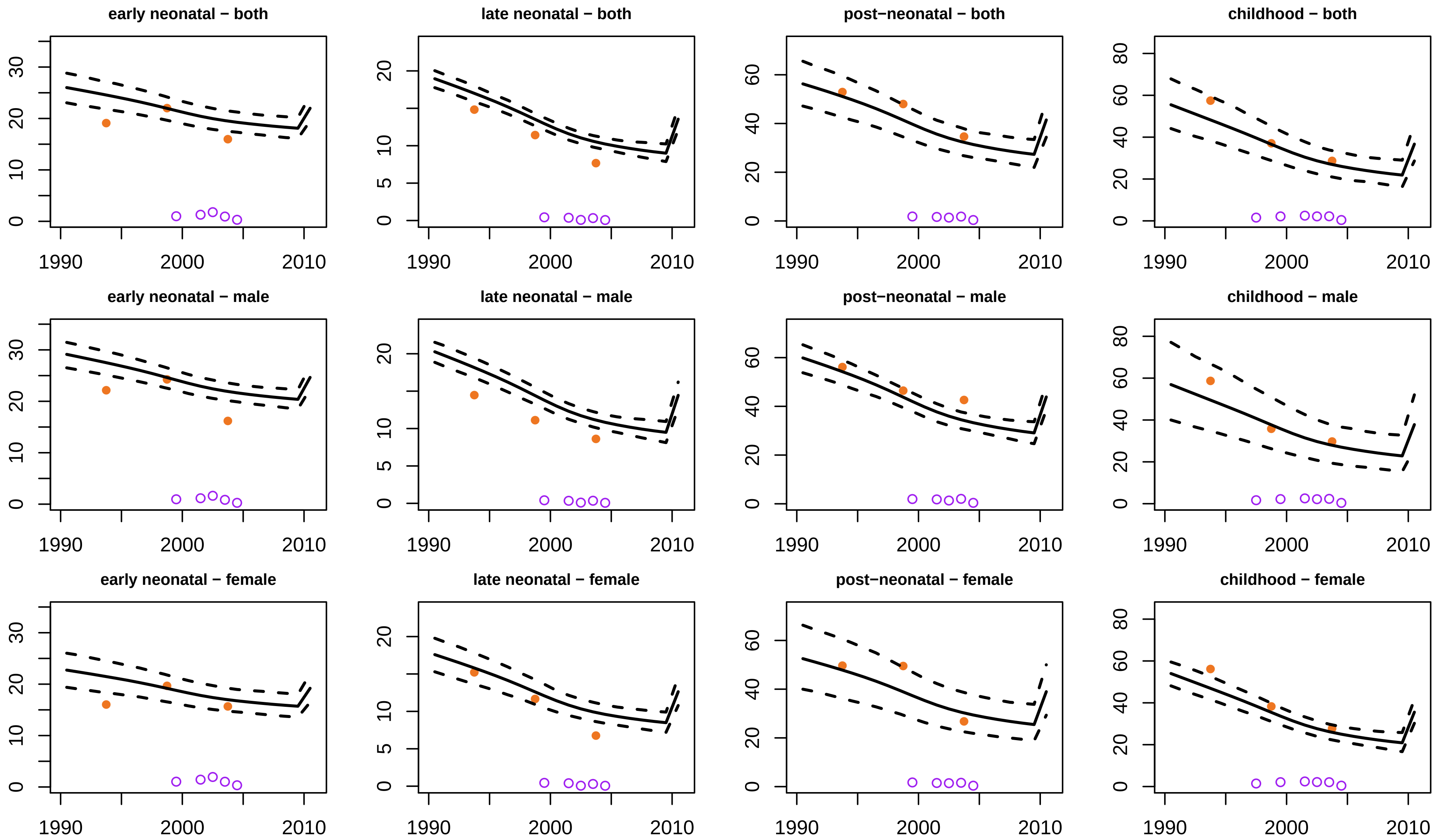
Guyana − 5q0 estimates
vr
wfs
mics
ais
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female

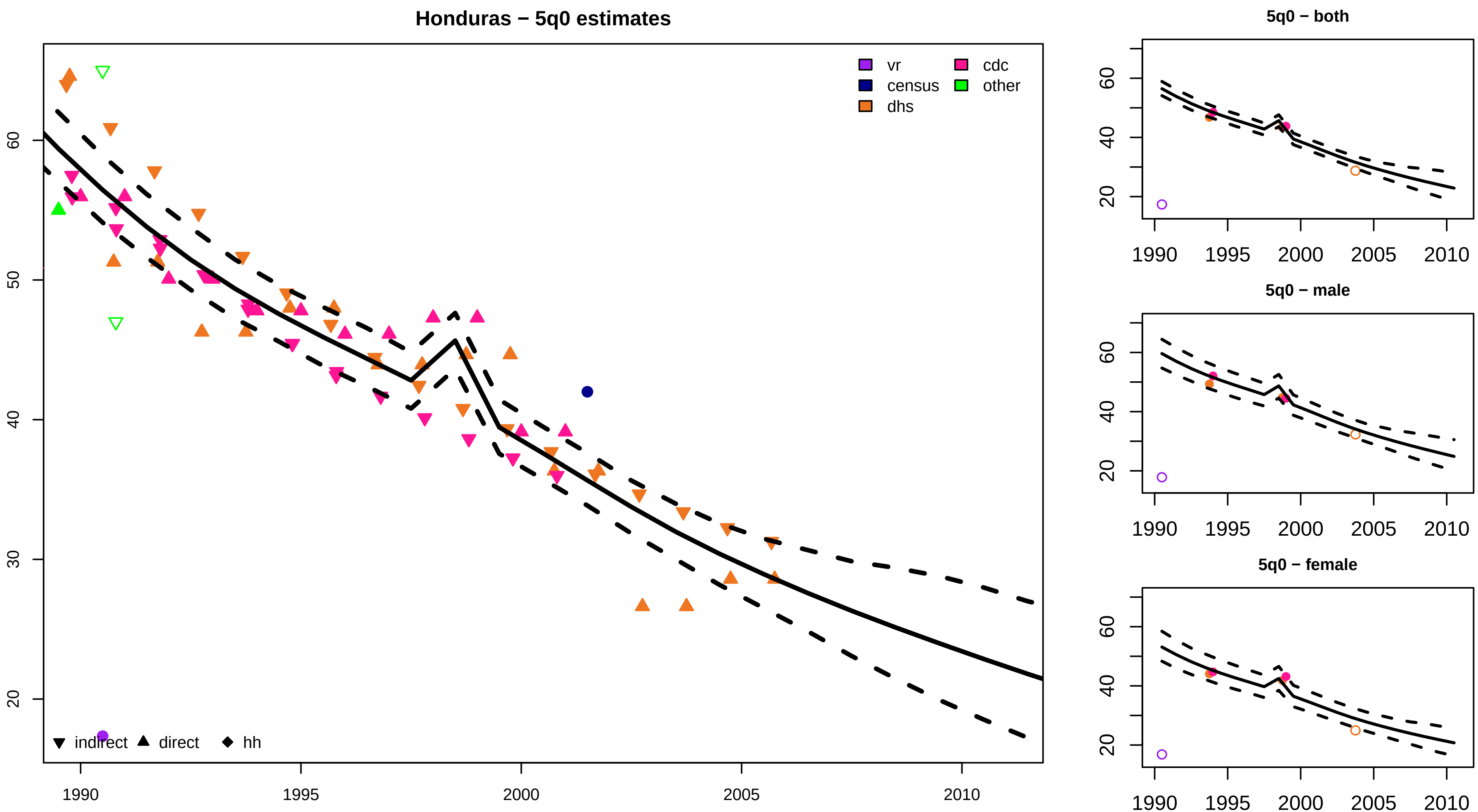


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

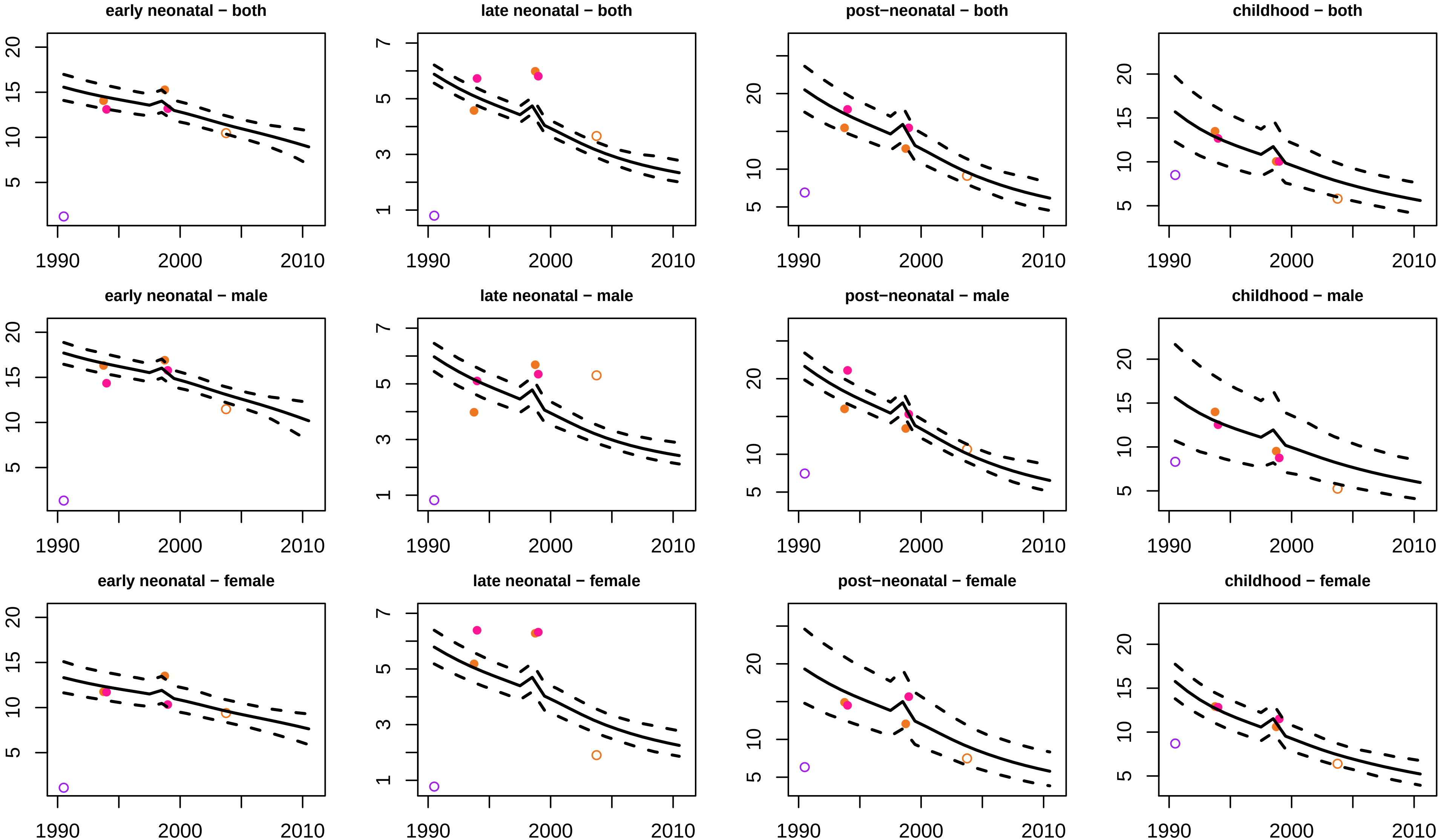


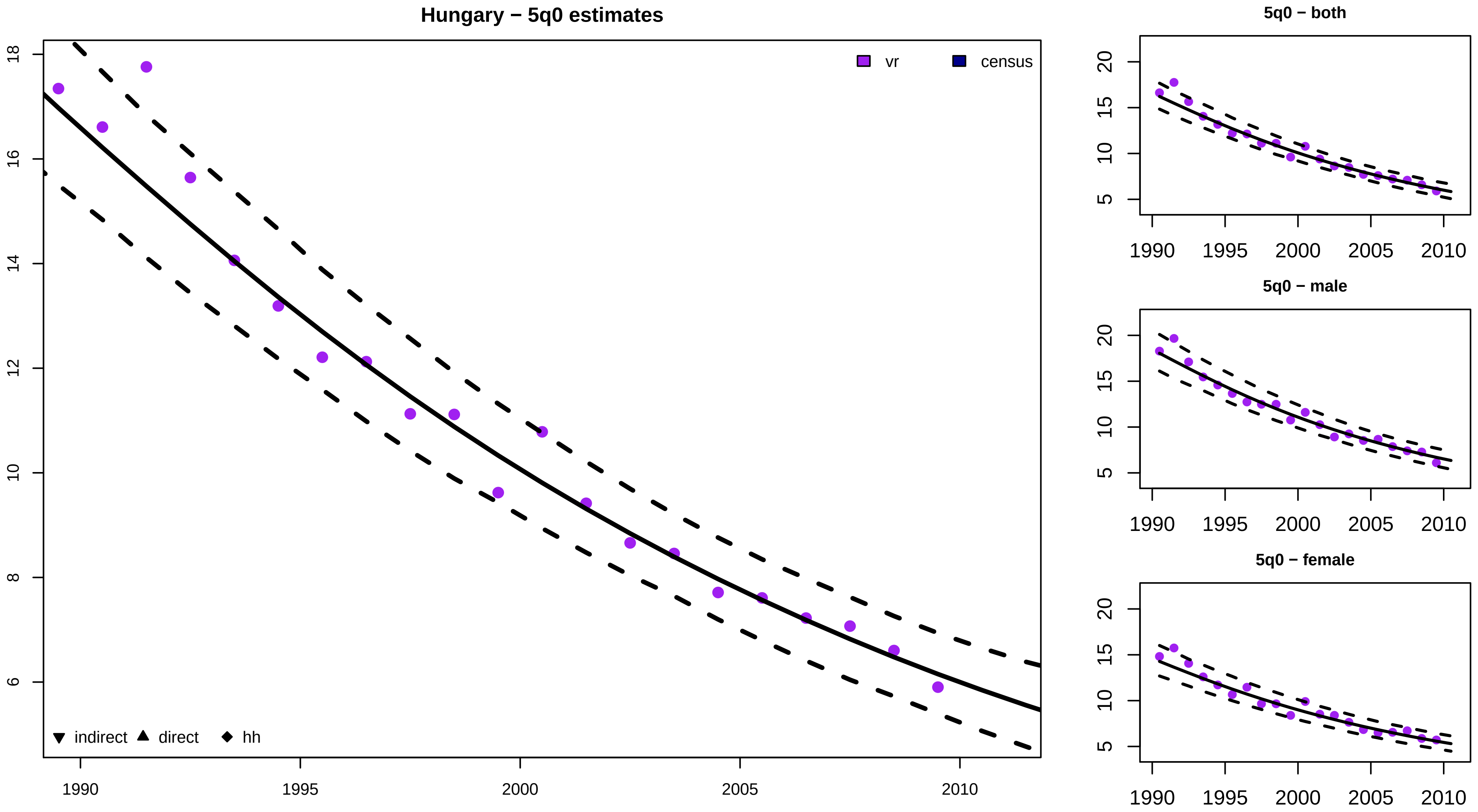
Haiti − 5q0 estimates
vr
census
dhs
wfs
other
indirect
direct
hh
0
50
100
150
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

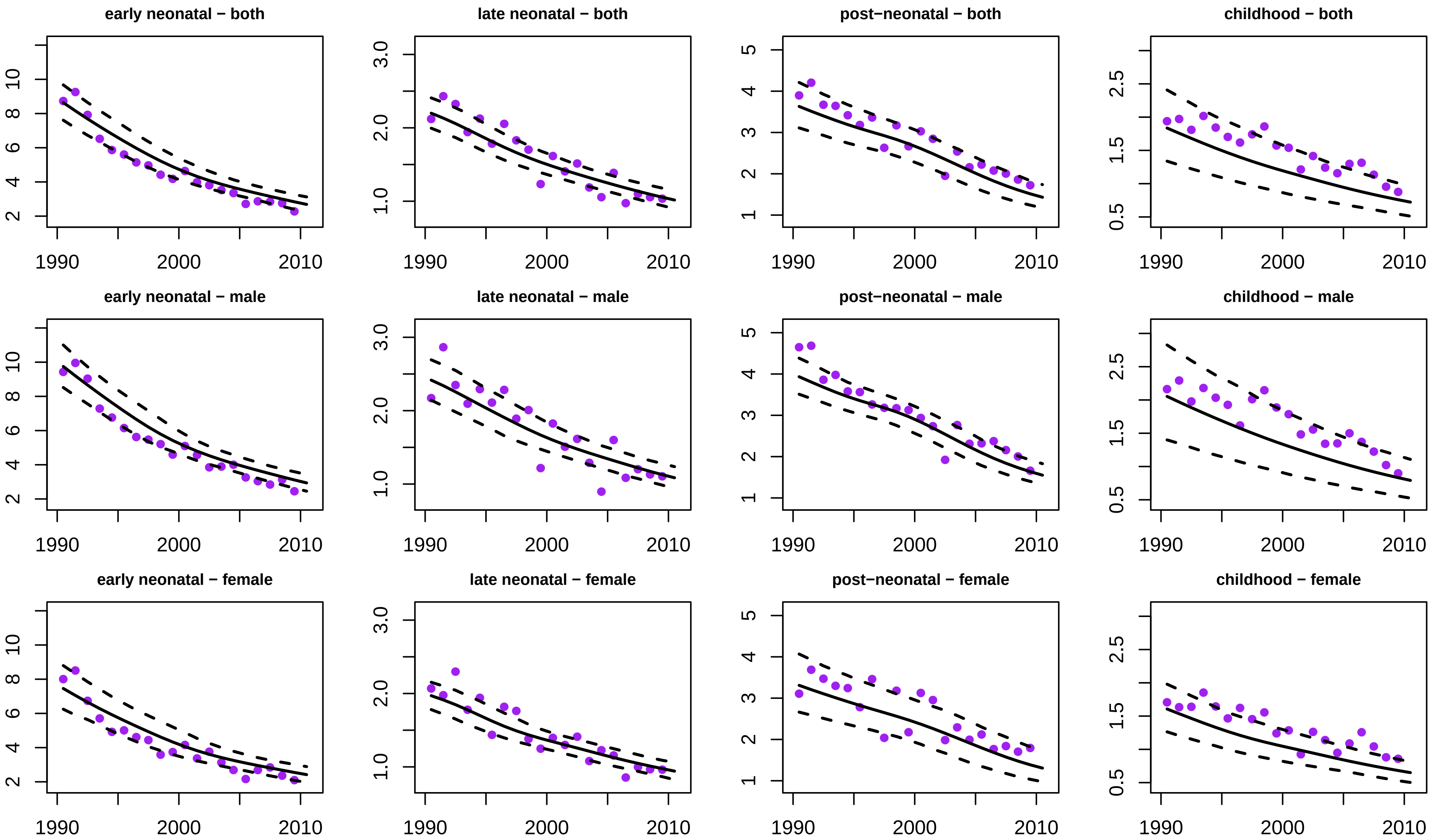


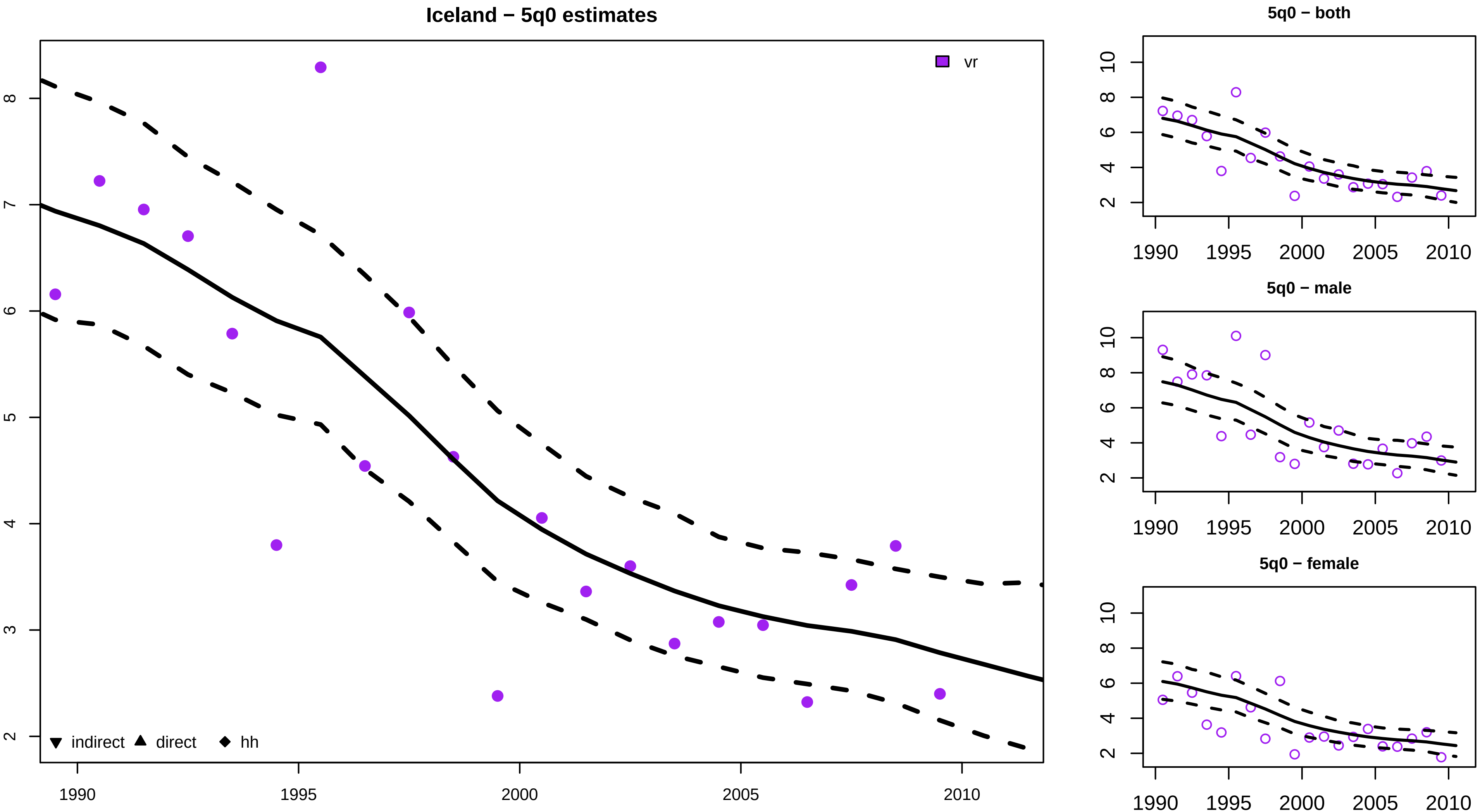
Honduras – 5q0 estimates
vr
census
dhs
cdc
other
indirect
direct
hh
60
50
40
30
20
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female

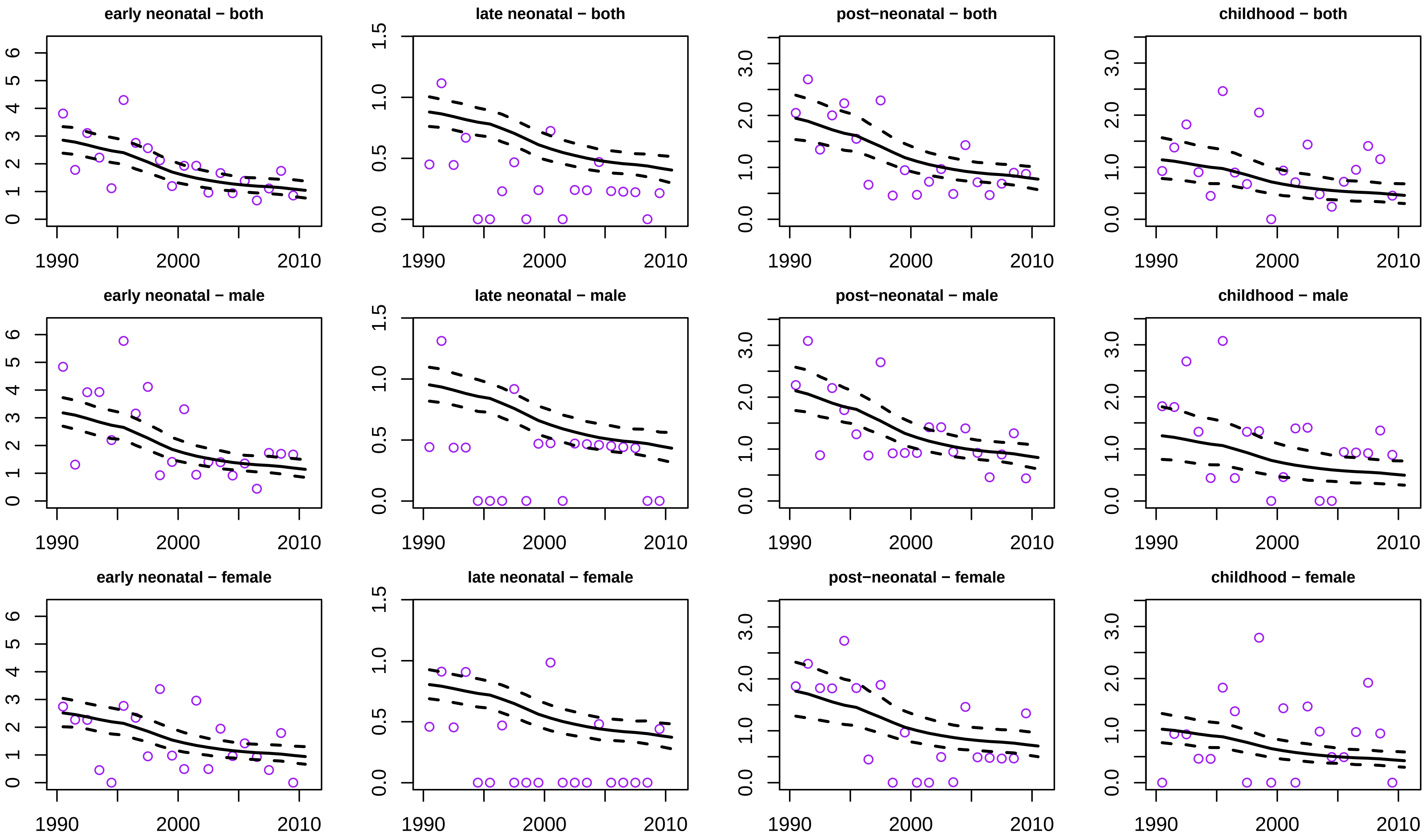

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



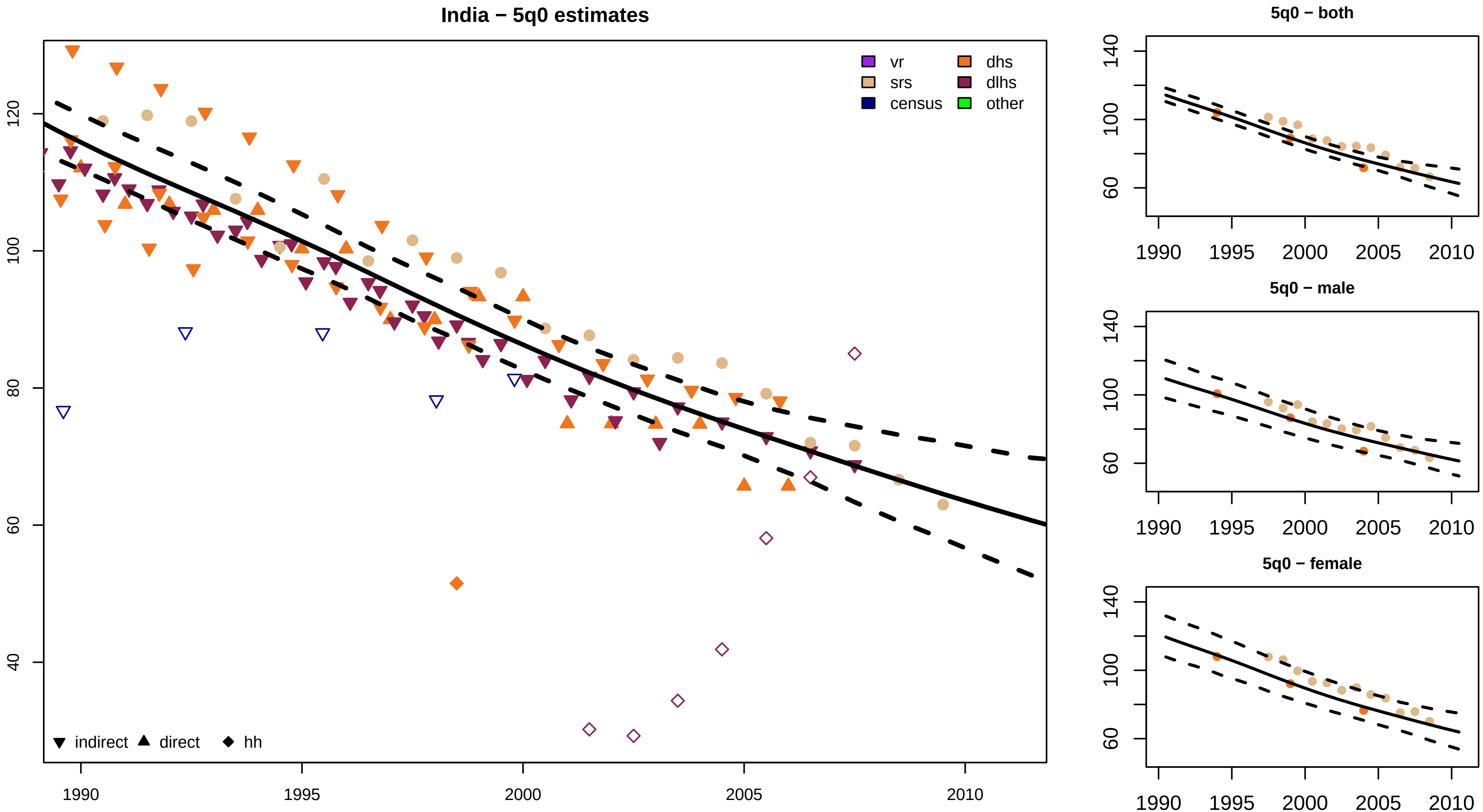
Hungary − 5q0 estimates
vr
census
indirect
direct
hh
18
16
14
12
10
8
6
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
20
15
10
5


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

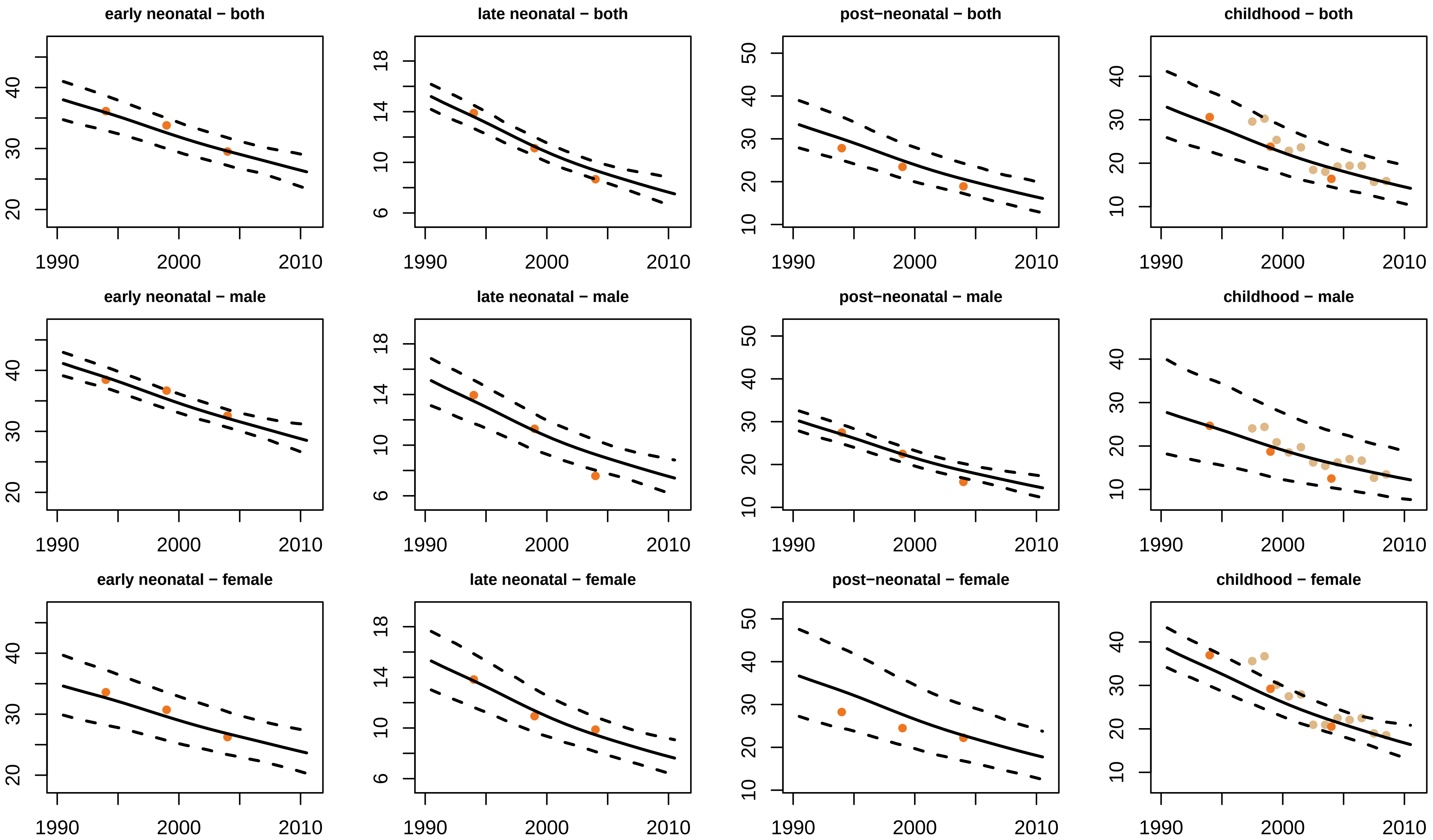

Iceland − 5q0 estimates
vr
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female



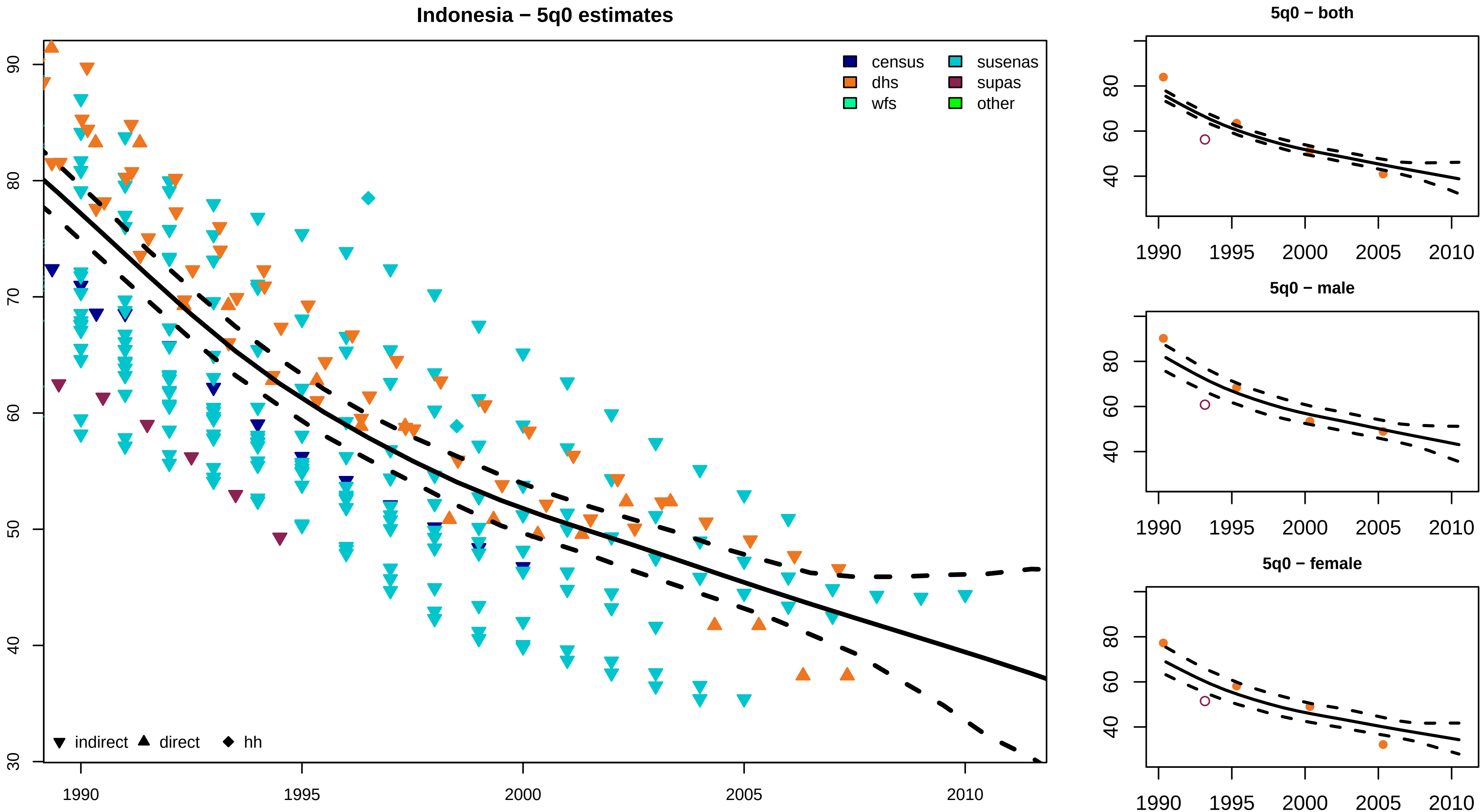
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



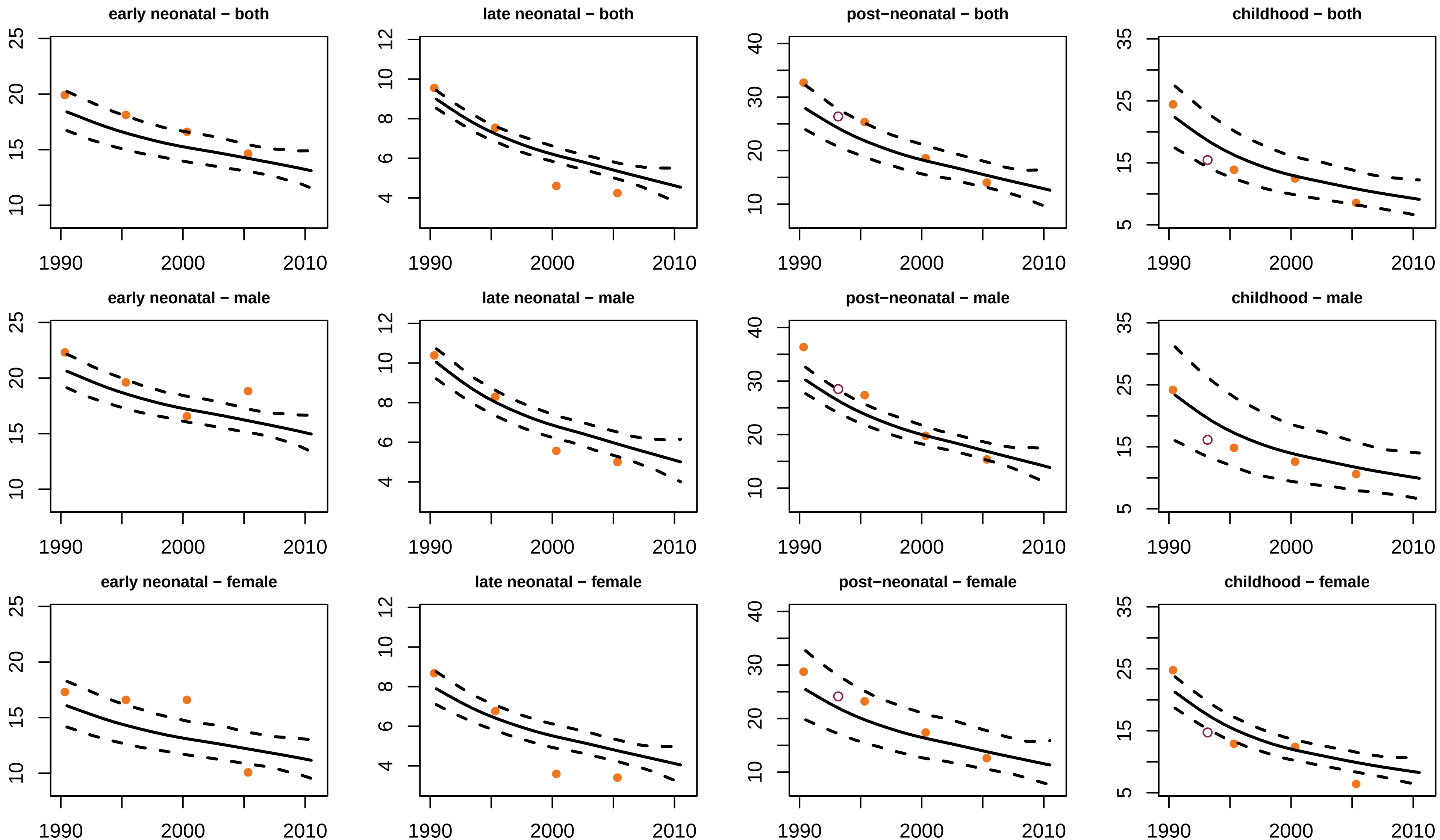
India − 5q0 estimates
vr
srs
census
dhs
dlhs
other
indirect
direct
hh
120
100
80
60
40
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
140
100
60

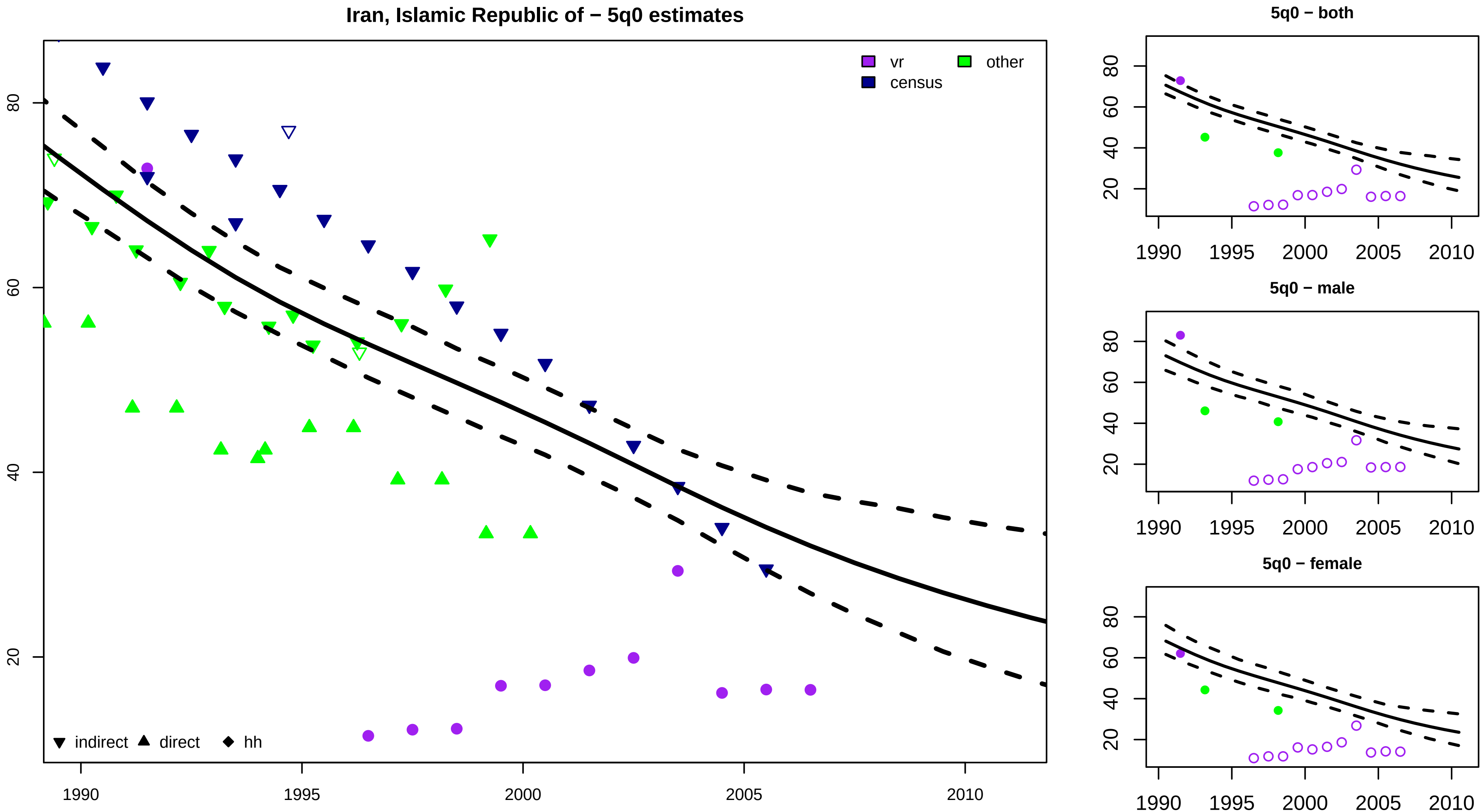


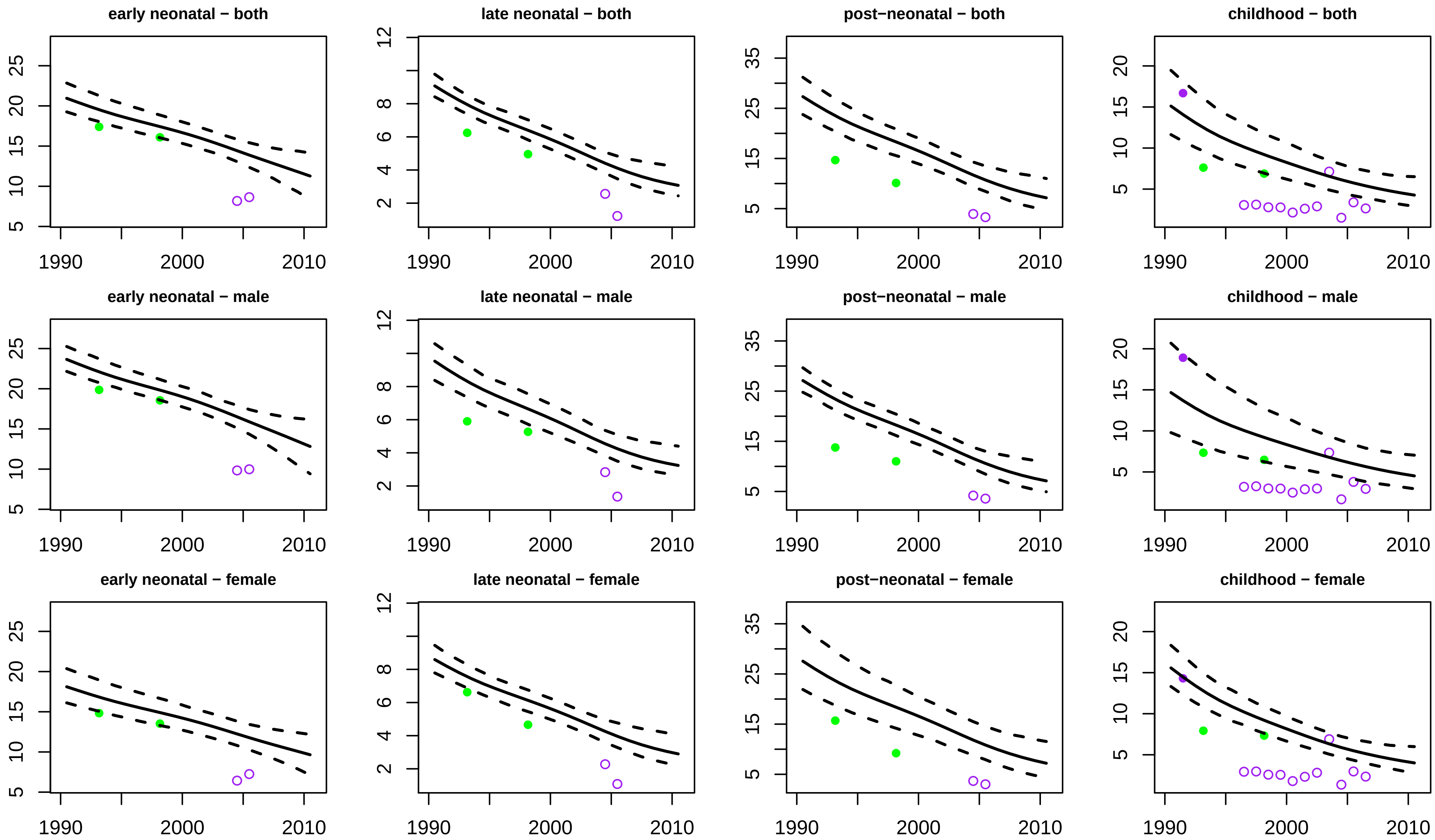
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

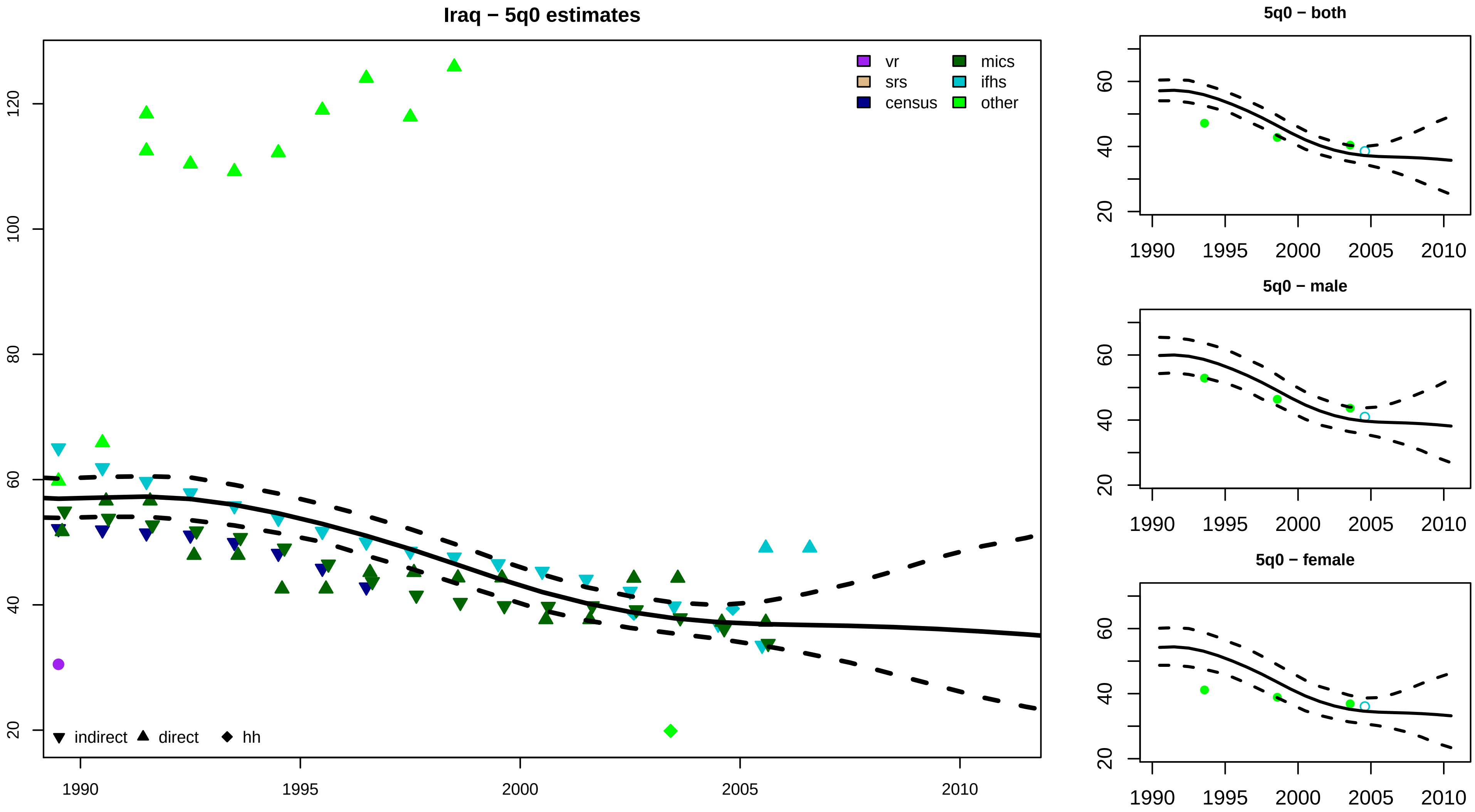


Indonesia − 5q0 estimates
census
dhs
wfs
susenas
supas
other
indirect
direct
hh
90
80
70
60
50
40
30
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

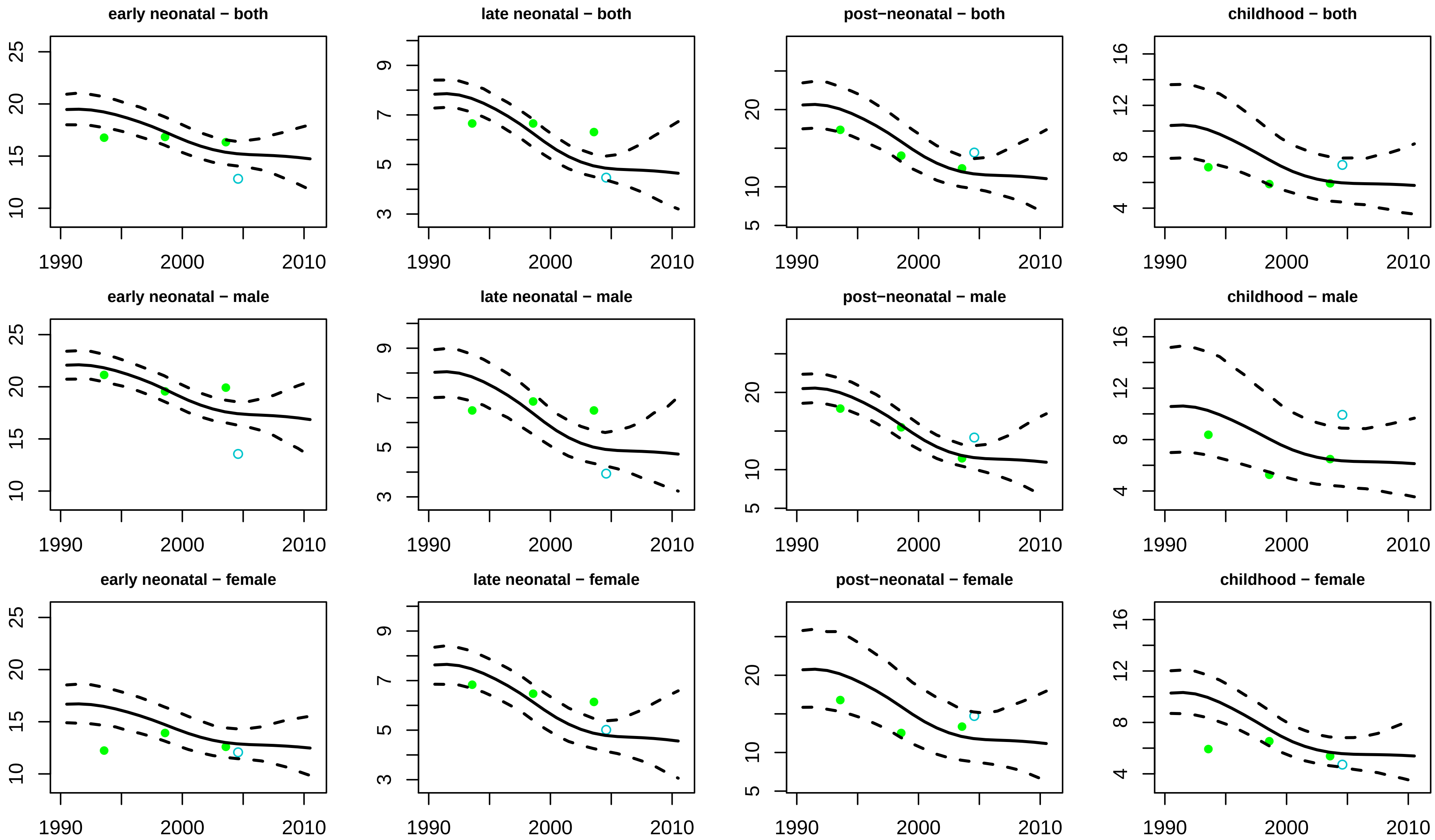

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


Iran, Islamic Republic of − 5q0 estimates
vr
other
census
indirect
direct
hh
20
40
60
80
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

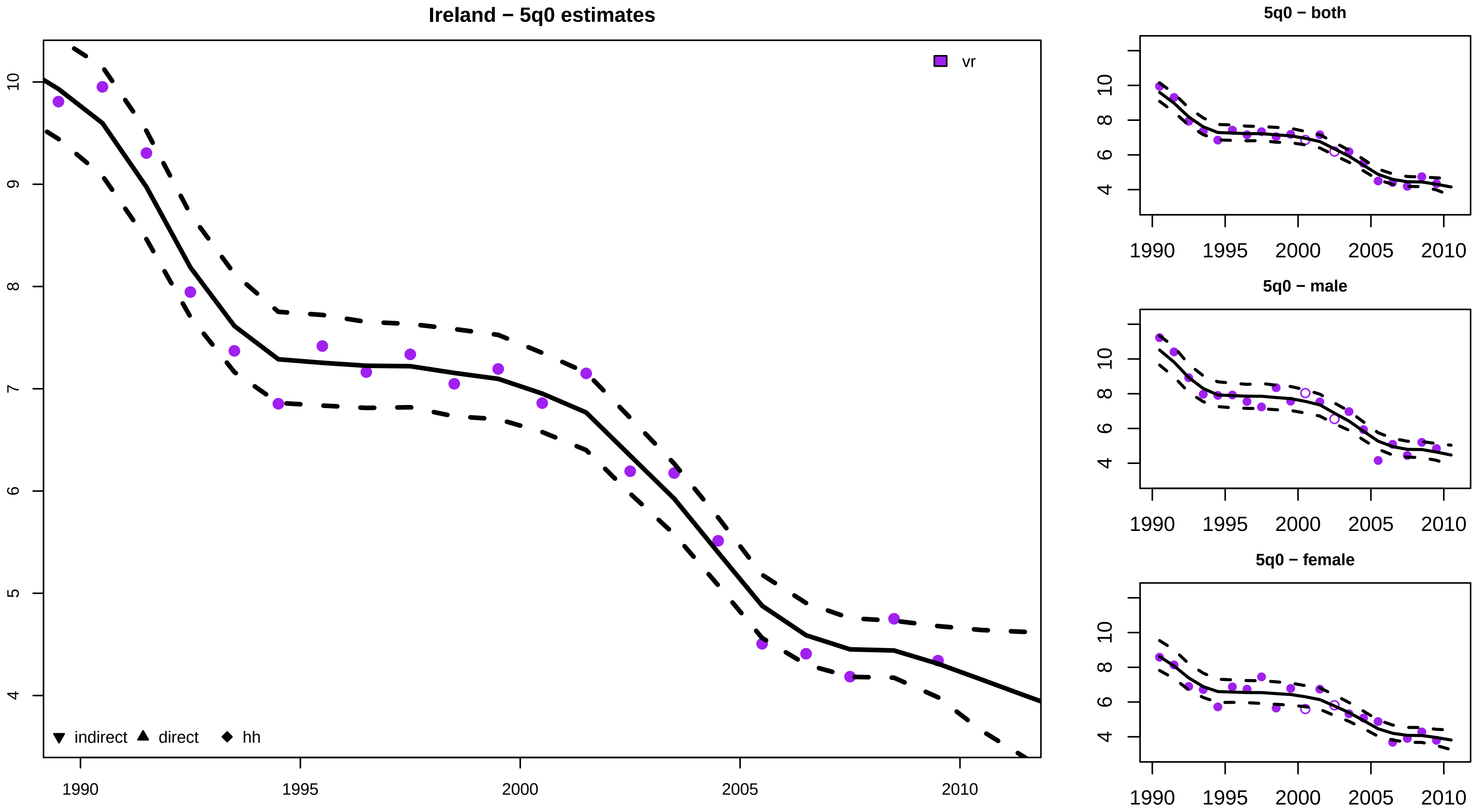

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
5
10
15
20
25
2
4
6
8
12
35

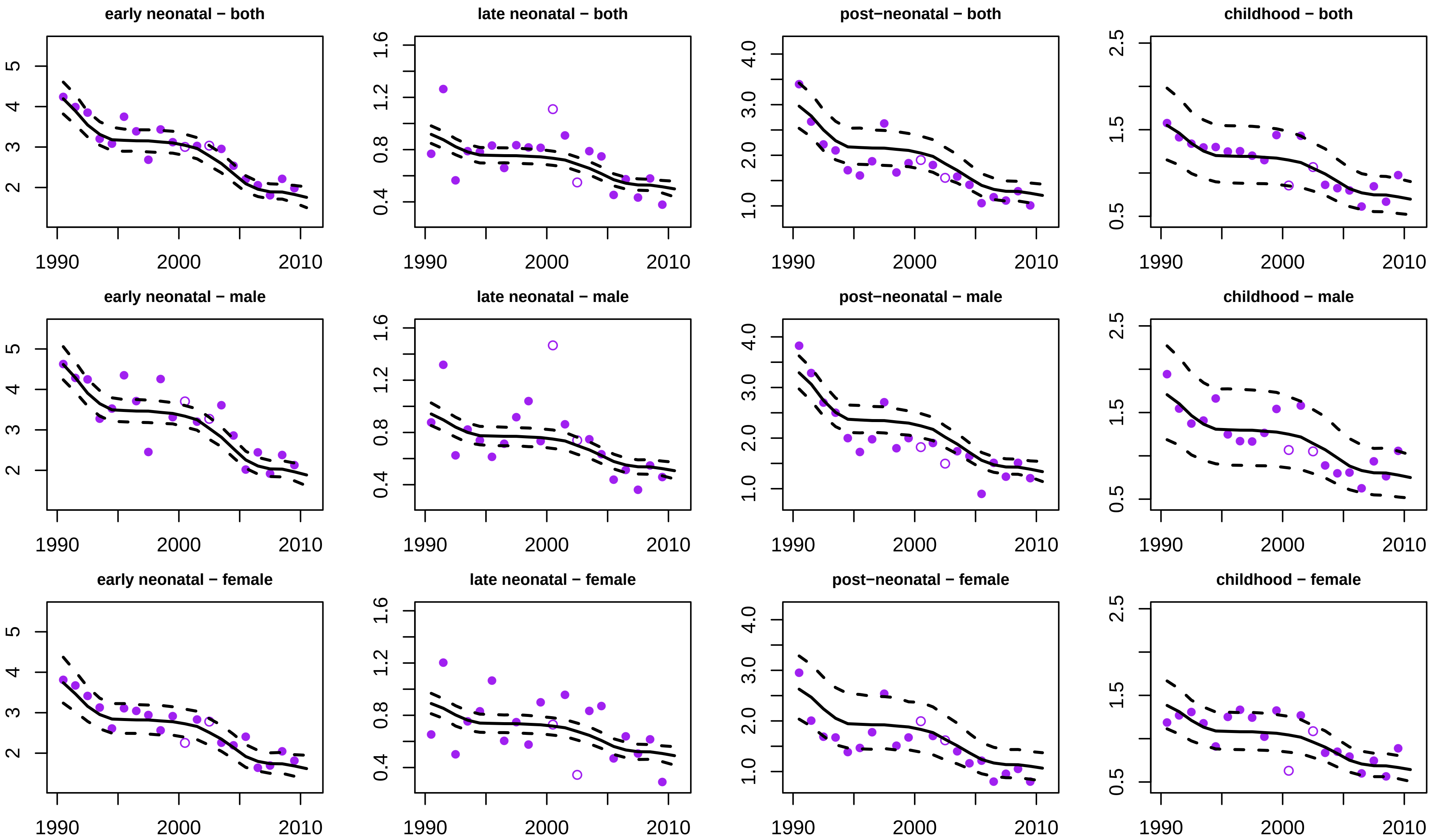


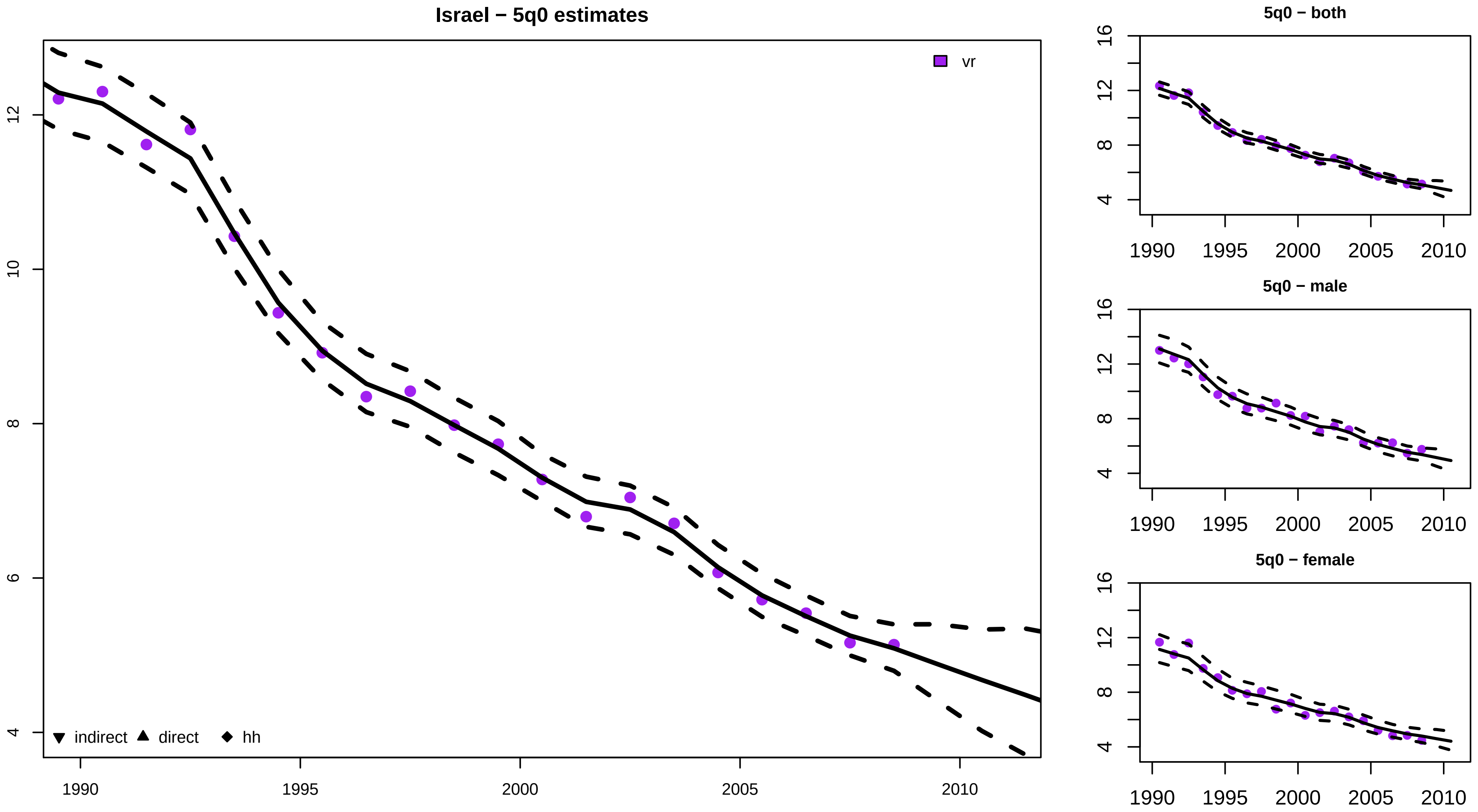
Iraq − 5q0 estimates
vr
srs
census
mics
ifhs
other
indirect
direct
hh
120
100
80
60
40
20
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

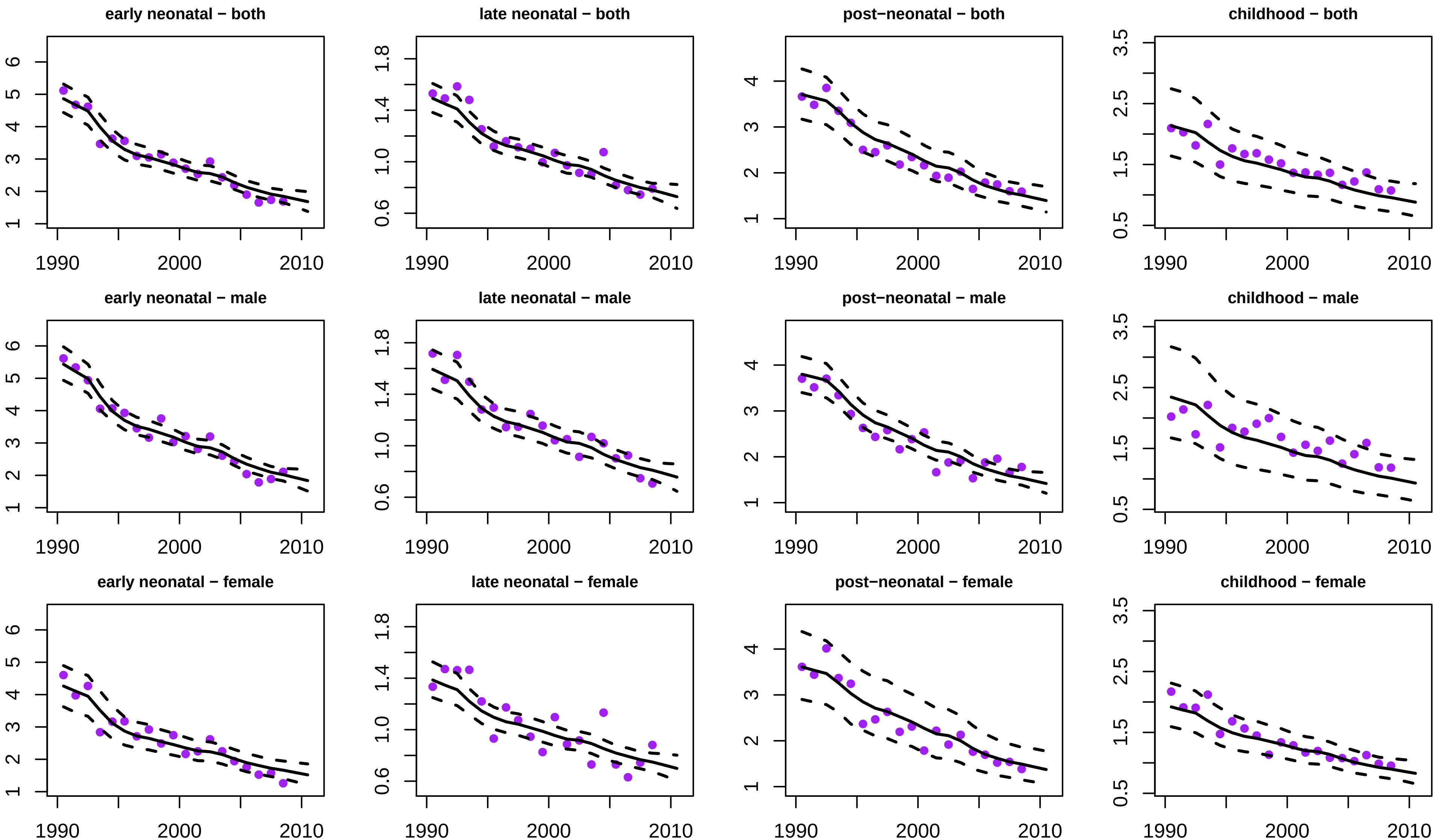


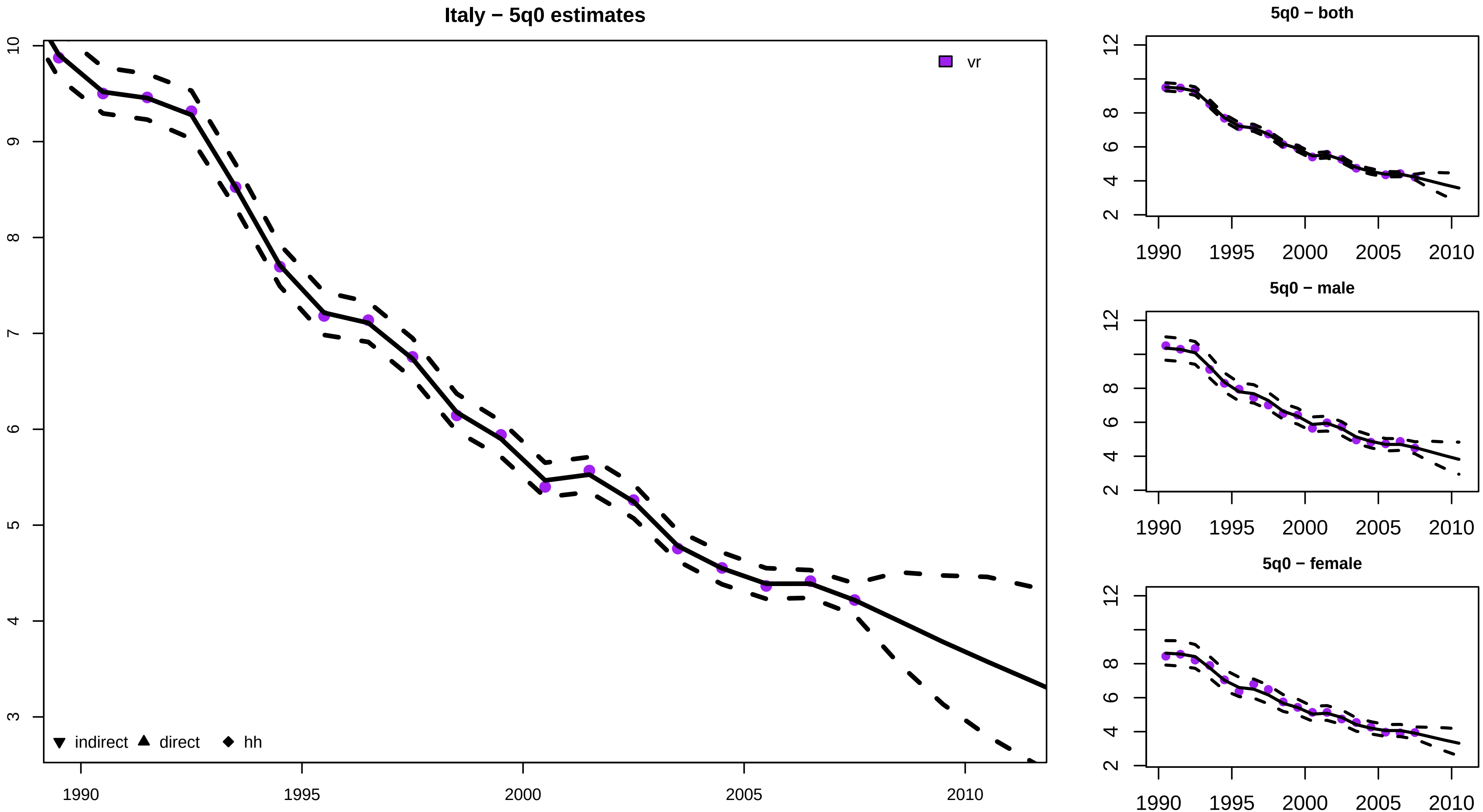
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
10 15 20 25
3 5 7 9
5 10 20
4 8 12 16
1990 2000 2010

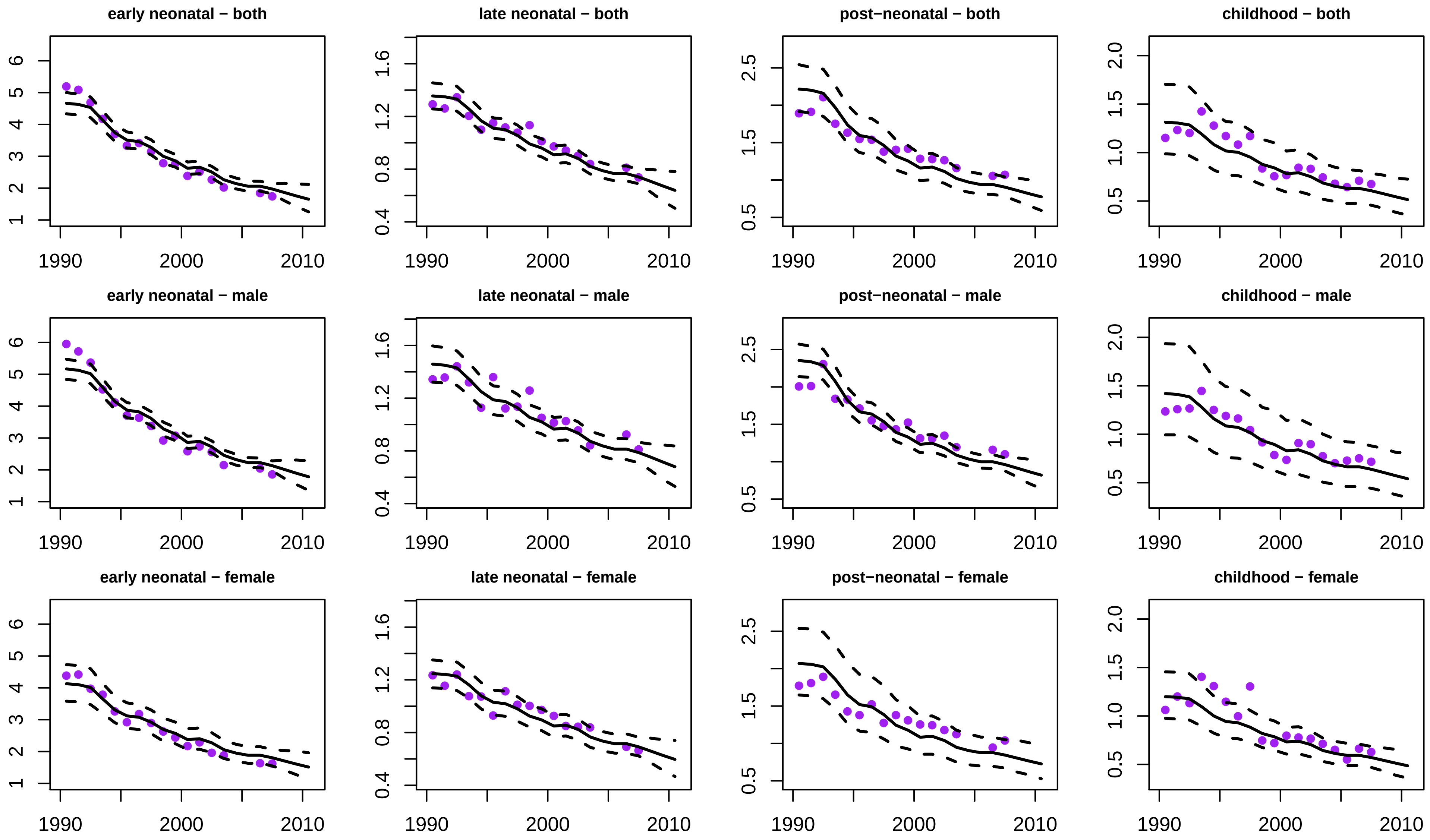

Ireland − 5q0 estimates
vr
indirect
direct
hh
1990
1995
2000
2005
2010
4
5
6
7
8
9
10
5q0 − both
5q0 − male
5q0 − female

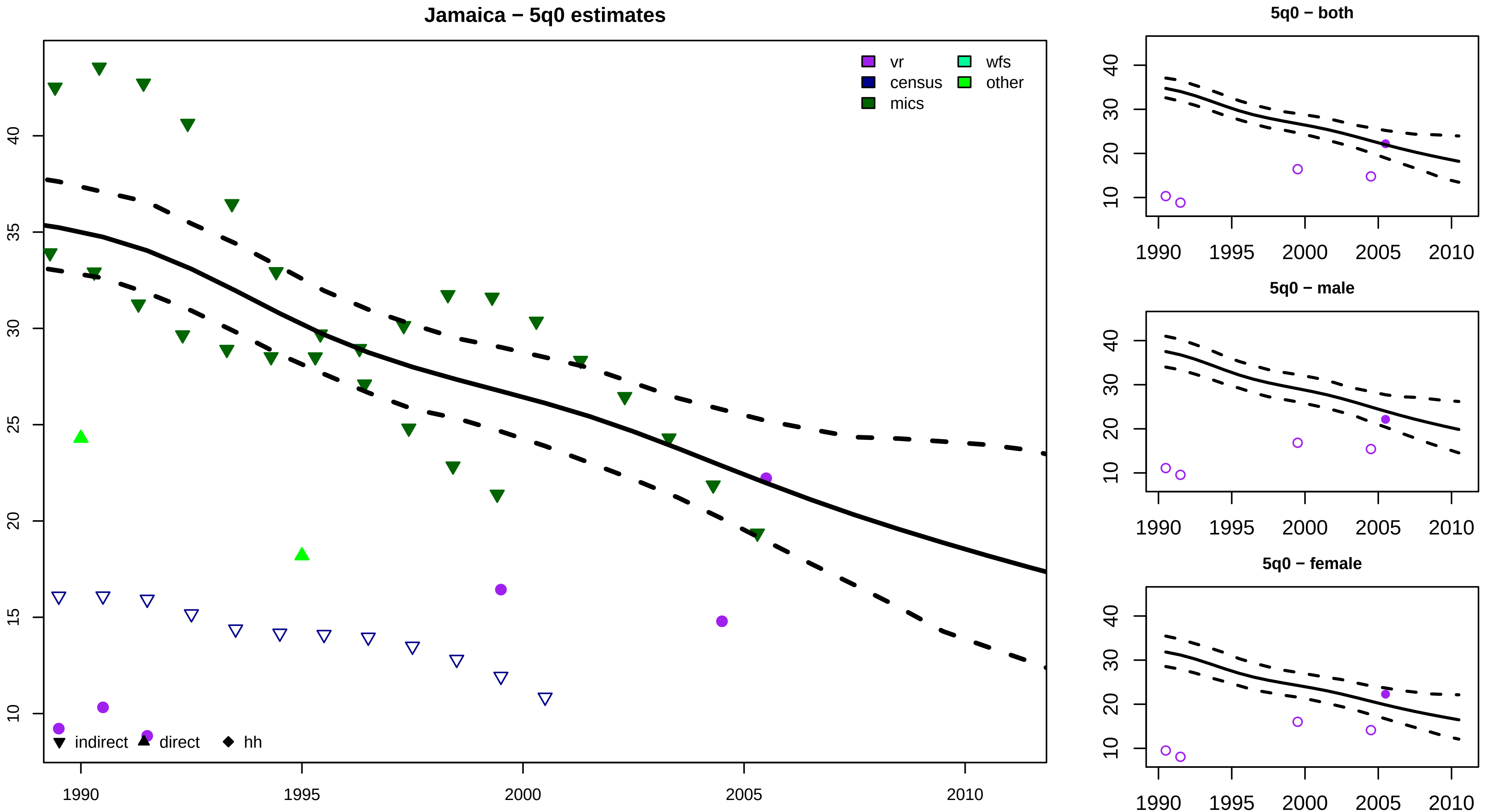

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

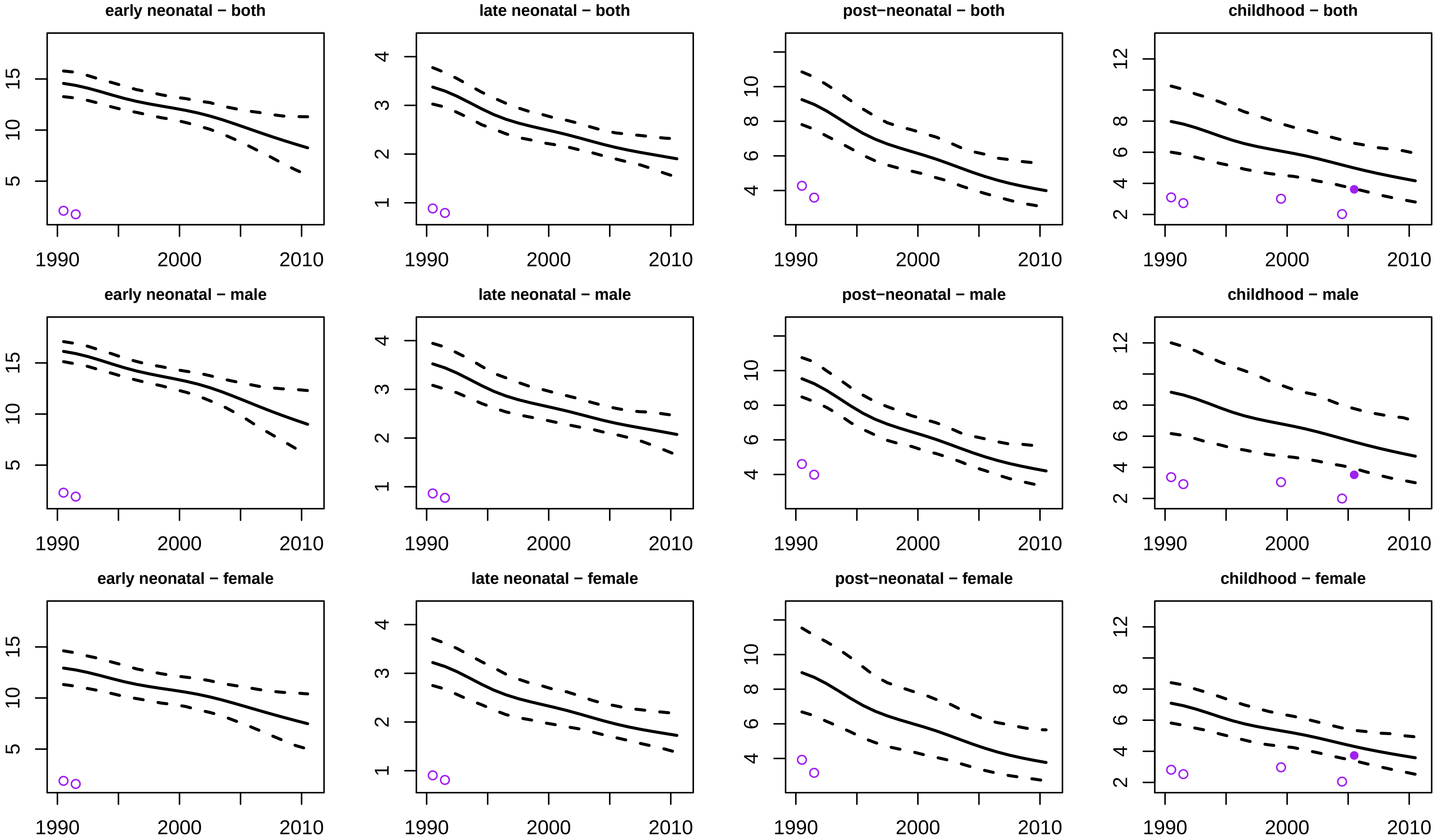

Israel − 5q0 estimates
vr
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female

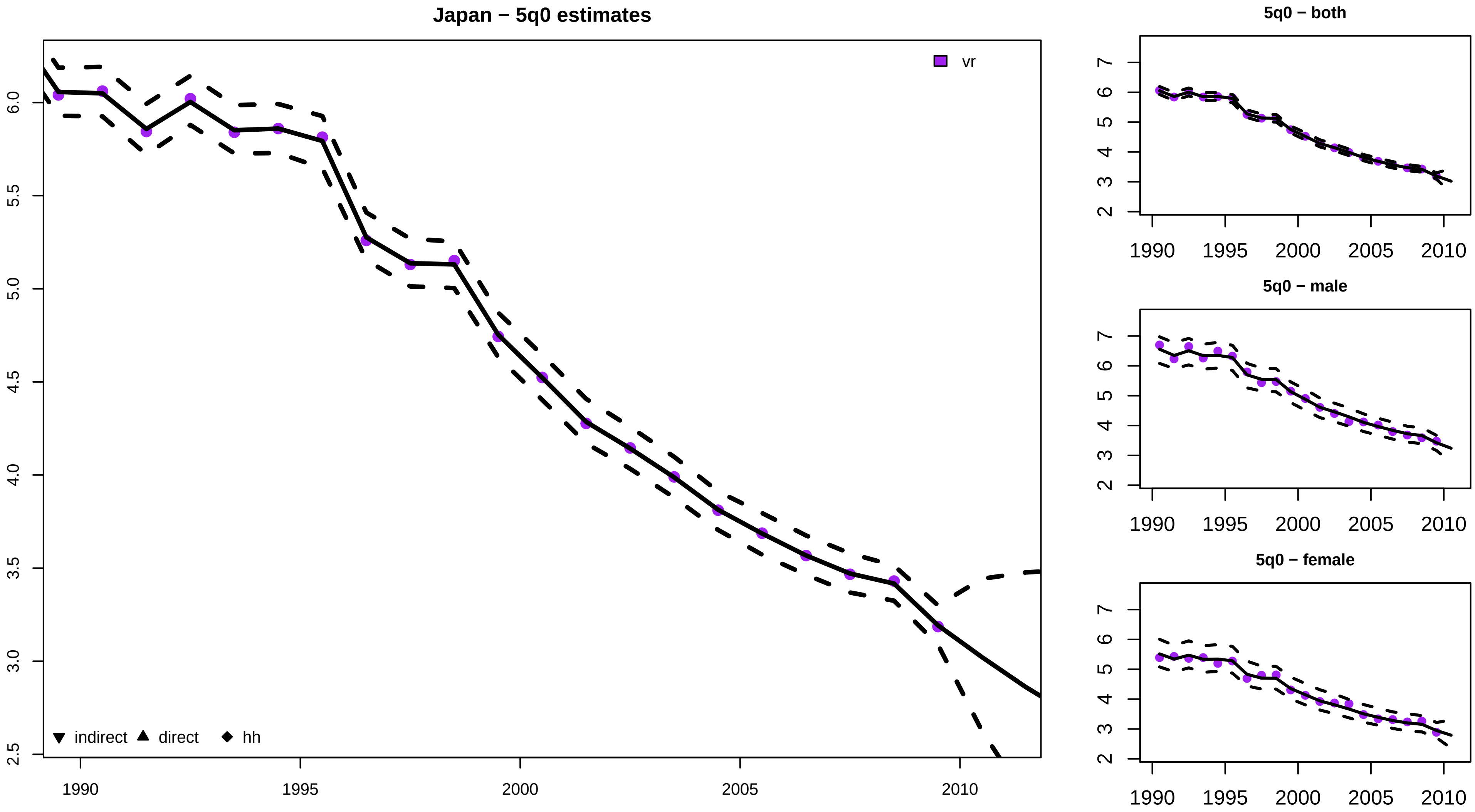

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


Italy − 5q0 estimates
vr
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female
1990
1995
2000
2005
2010

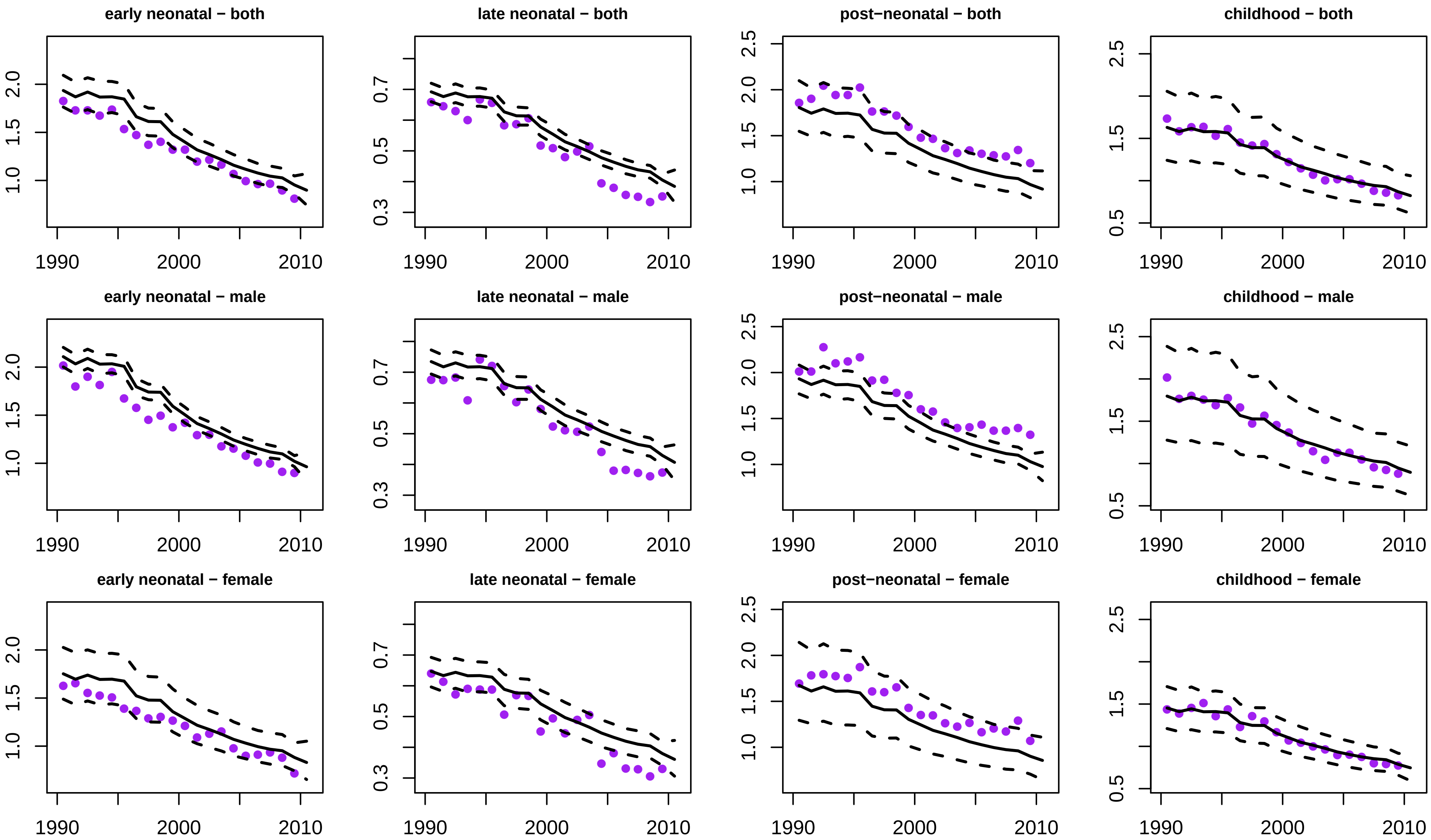

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

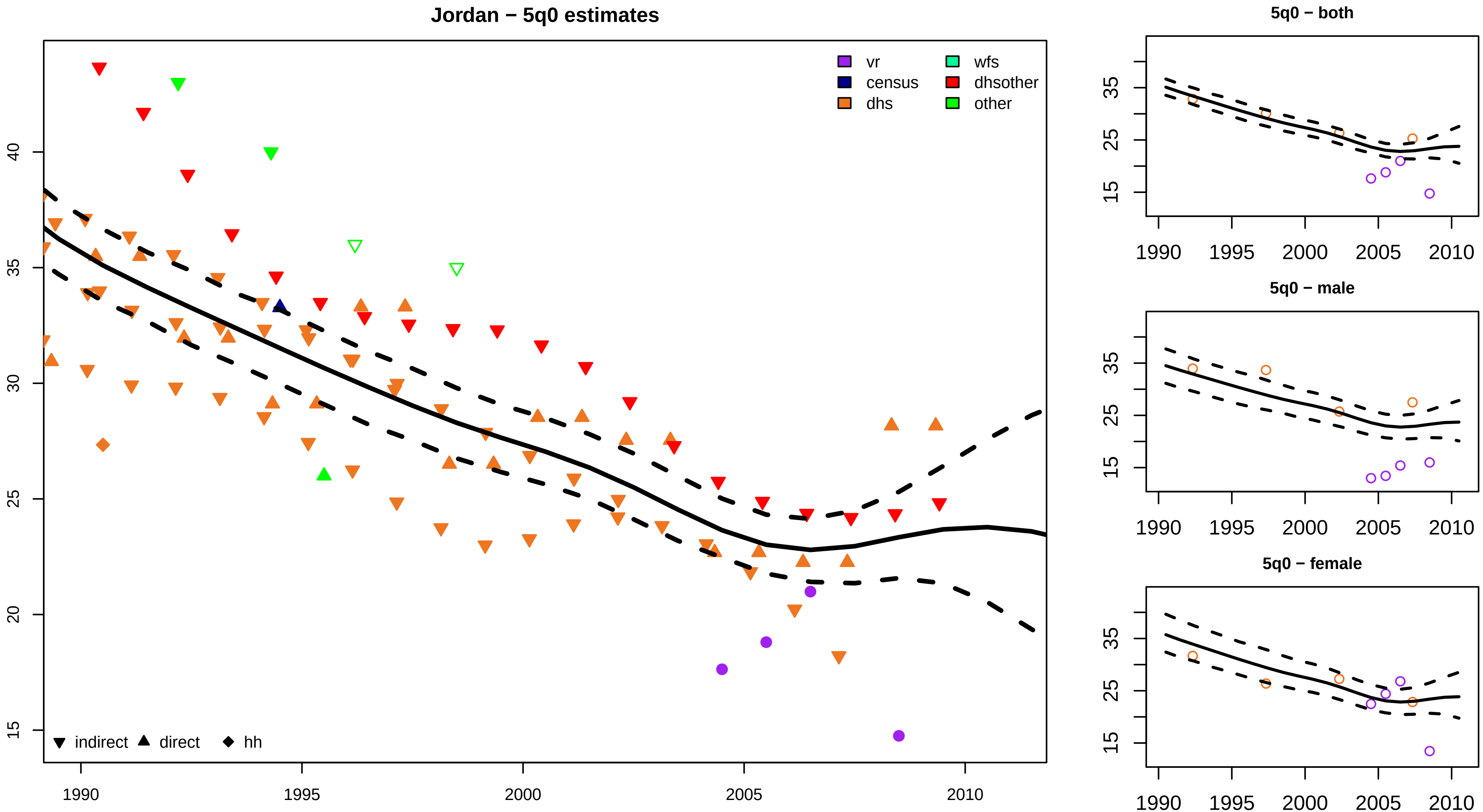

Jamaica − 5q0 estimates
vr
census
mics
wfs
other
indirect
direct
hh
10
15
20
25
30
35
40
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

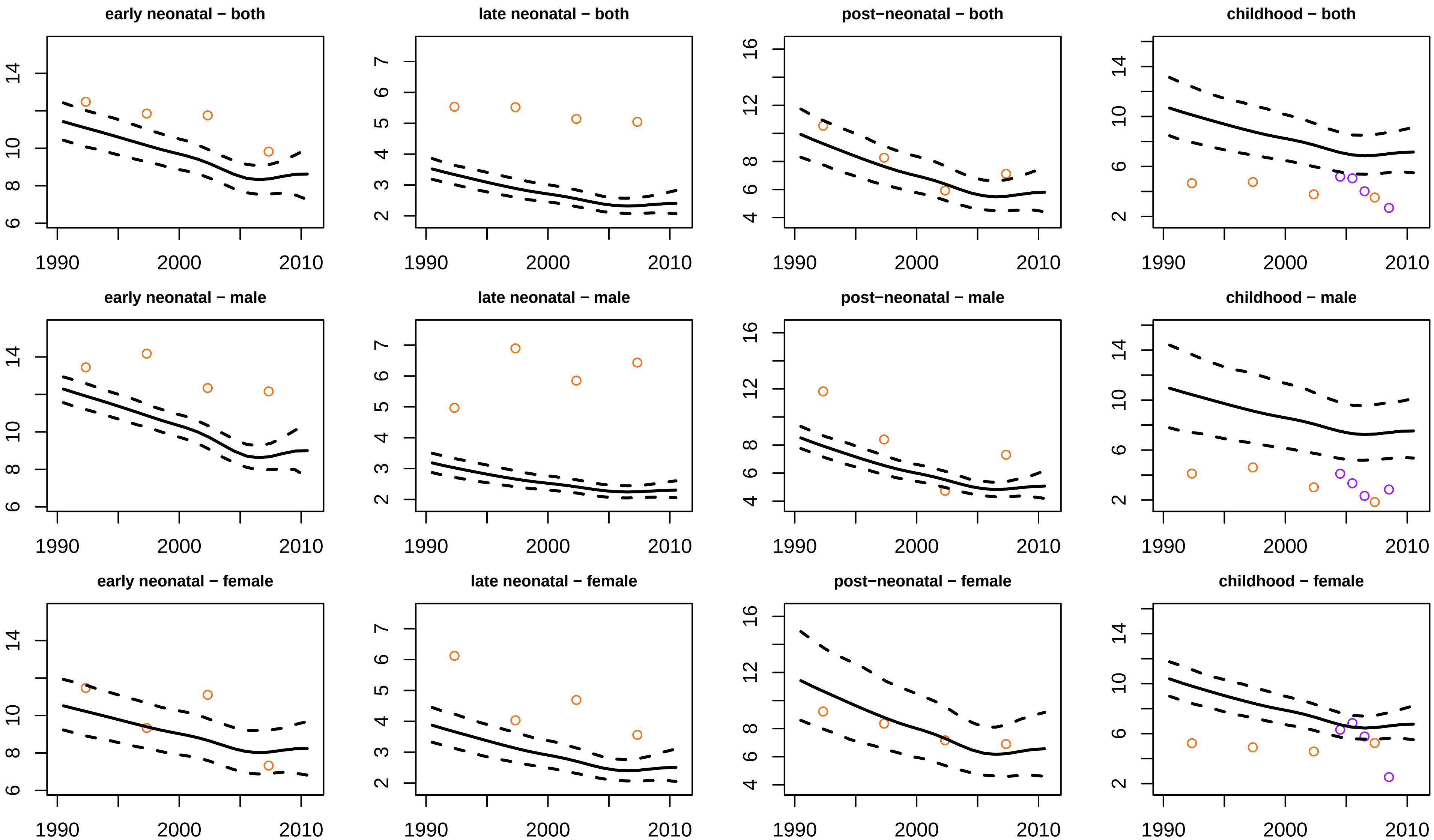


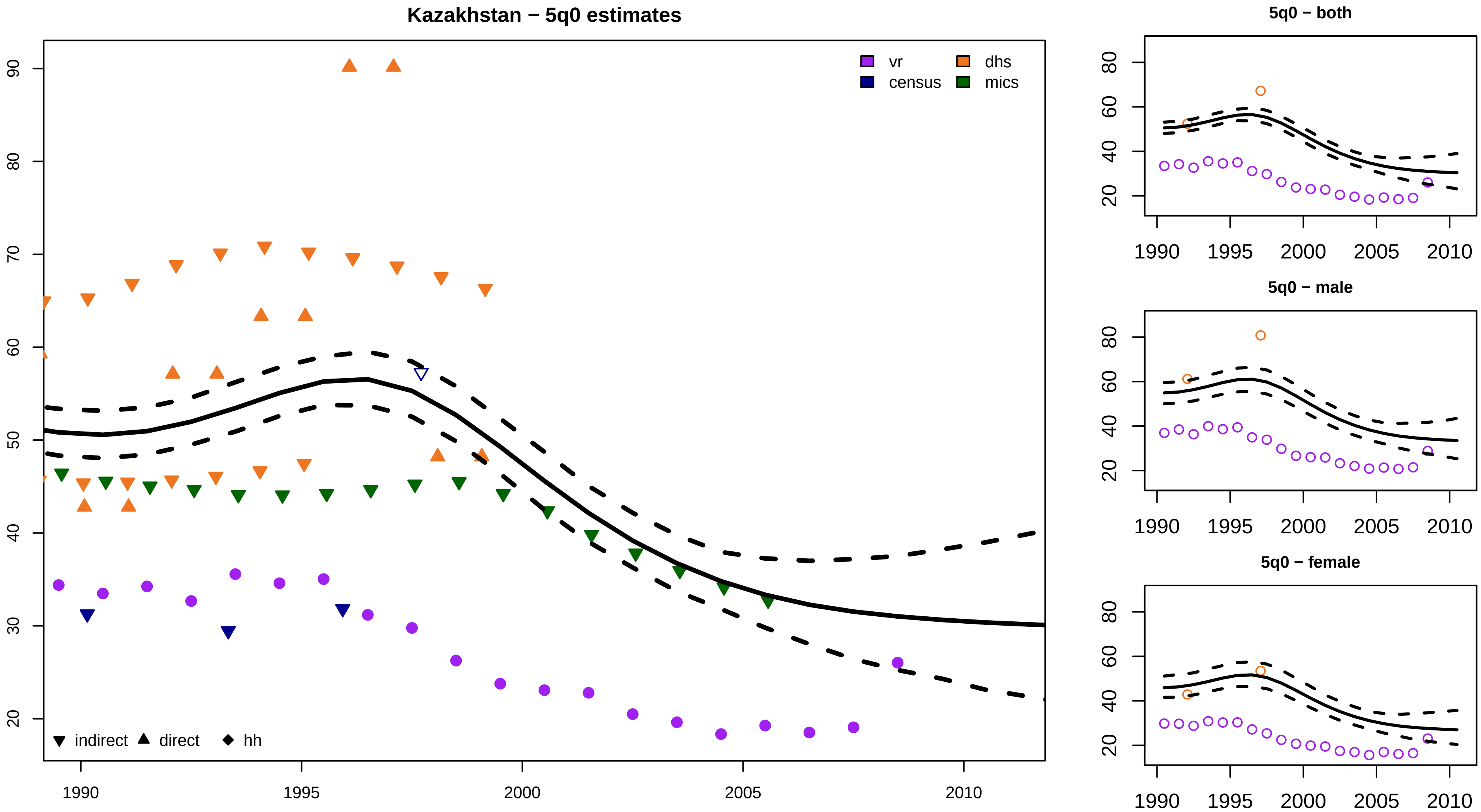
Japan − 5q0 estimates
vr
indirect
direct
hh
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
2
3
4
5
6
7


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
1.0
1.5
2.0
2.5
0.3
0.5
0.7

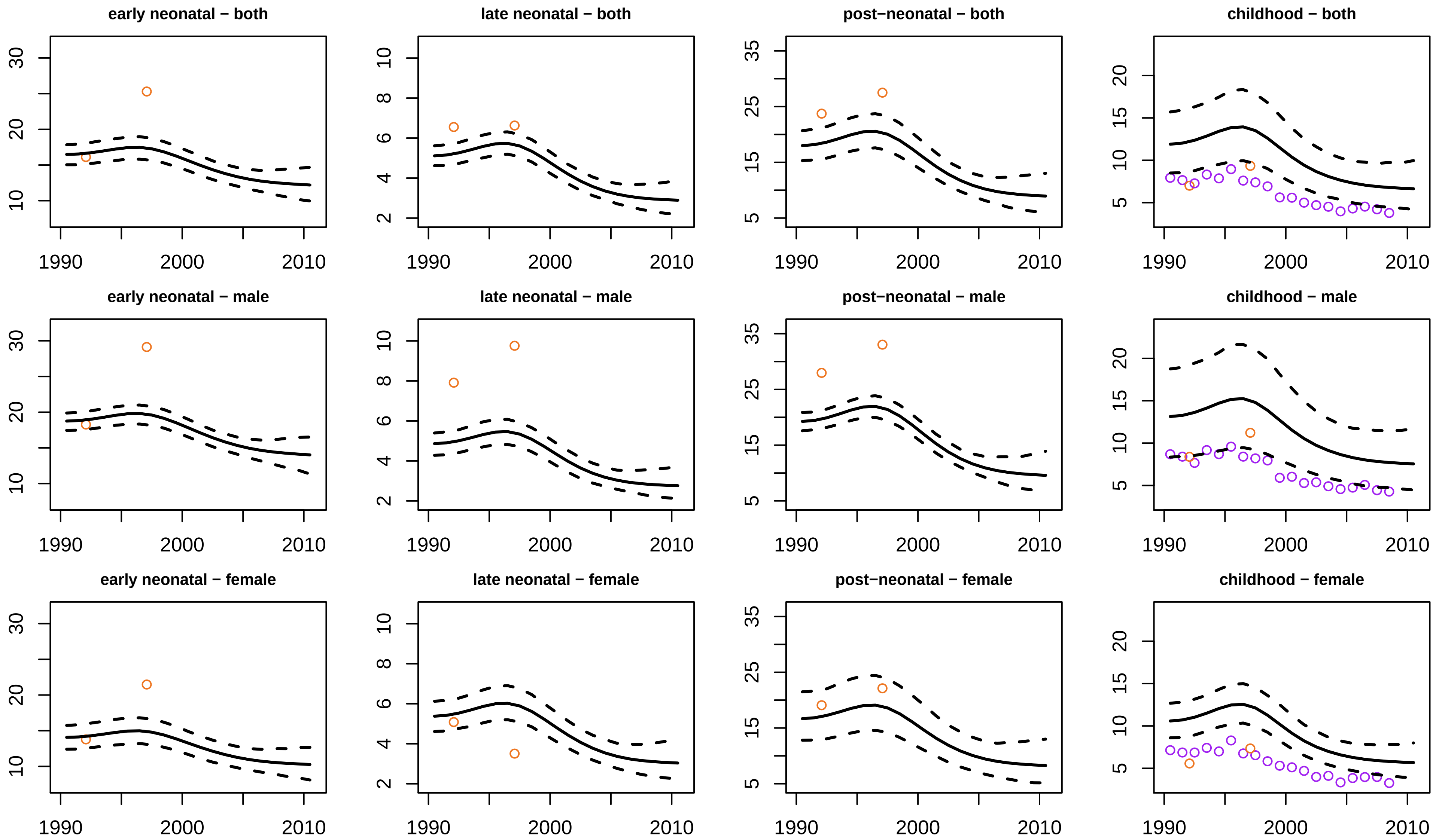


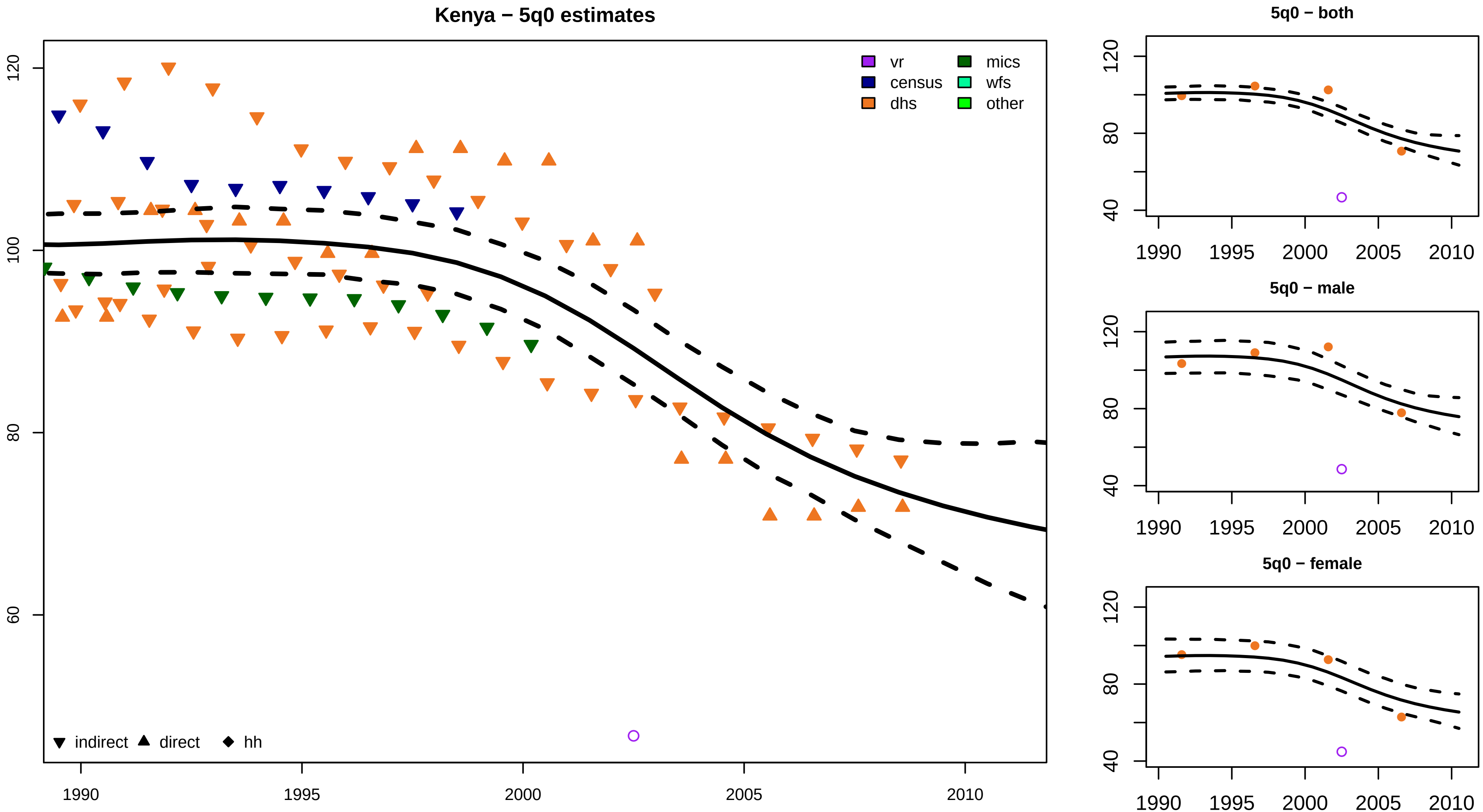
Jordan − 5q0 estimates
vr
census
dhs
wfs
dhsother
other
indirect
direct
hh
40
35
30
25
20
15
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
6 8 10 14
2 3 4 5 6 7
4 6 8 12 16
2 6 10 14
1990 2000 2010

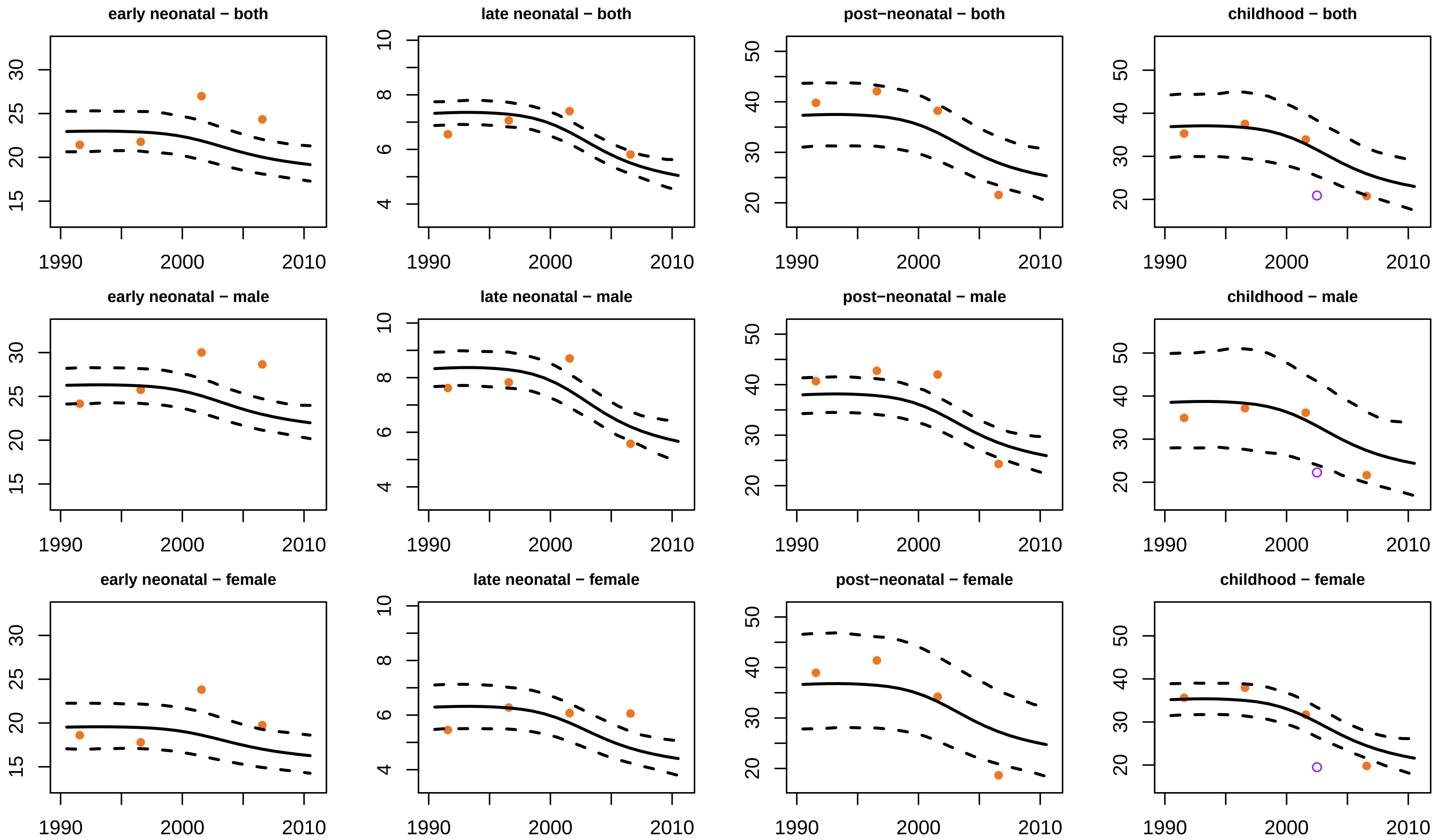


Kazakhstan − 5q0 estimates
vr
census
dhs
mics
indirect
direct
hh
20
30
40
50
60
70
80
90
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

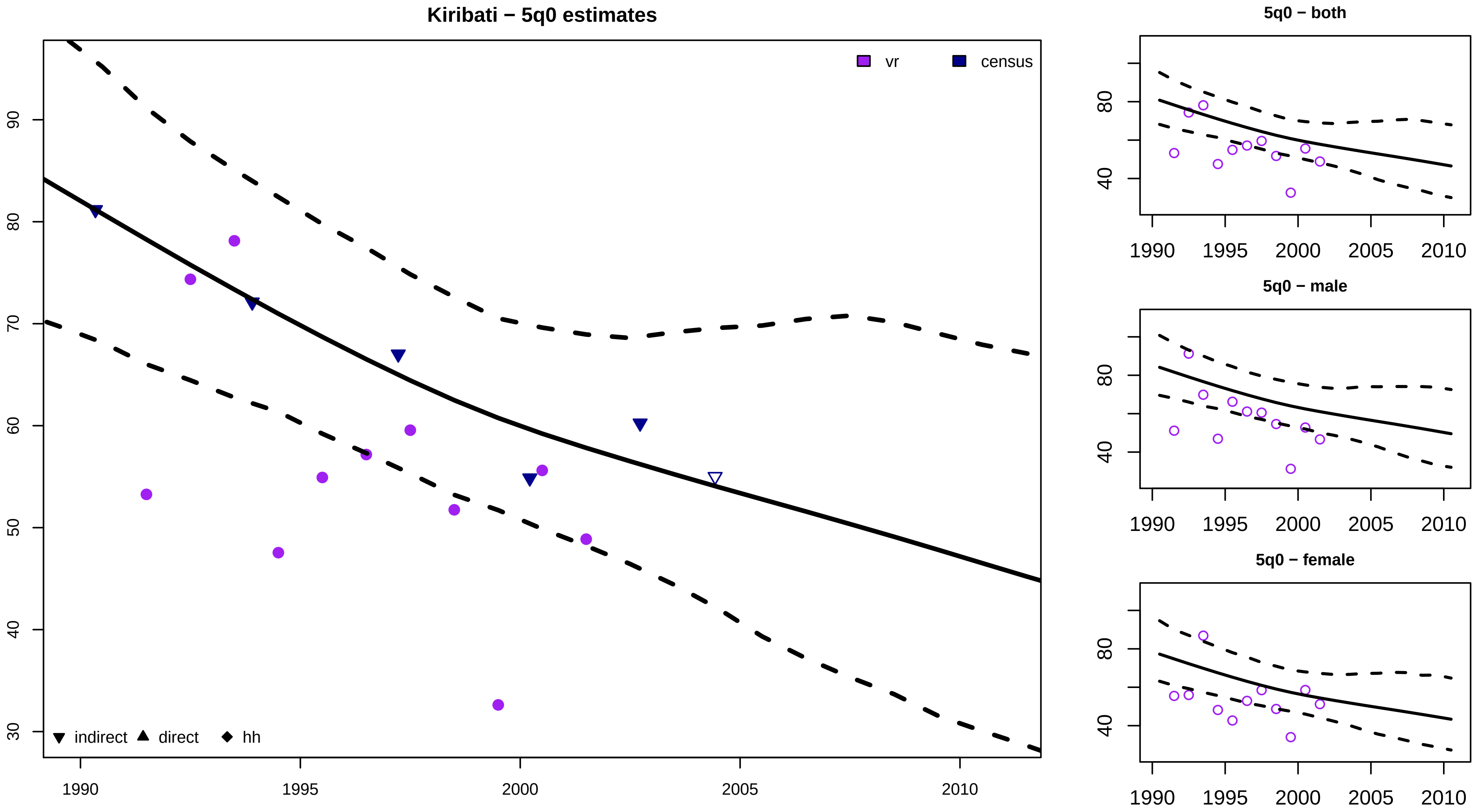

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



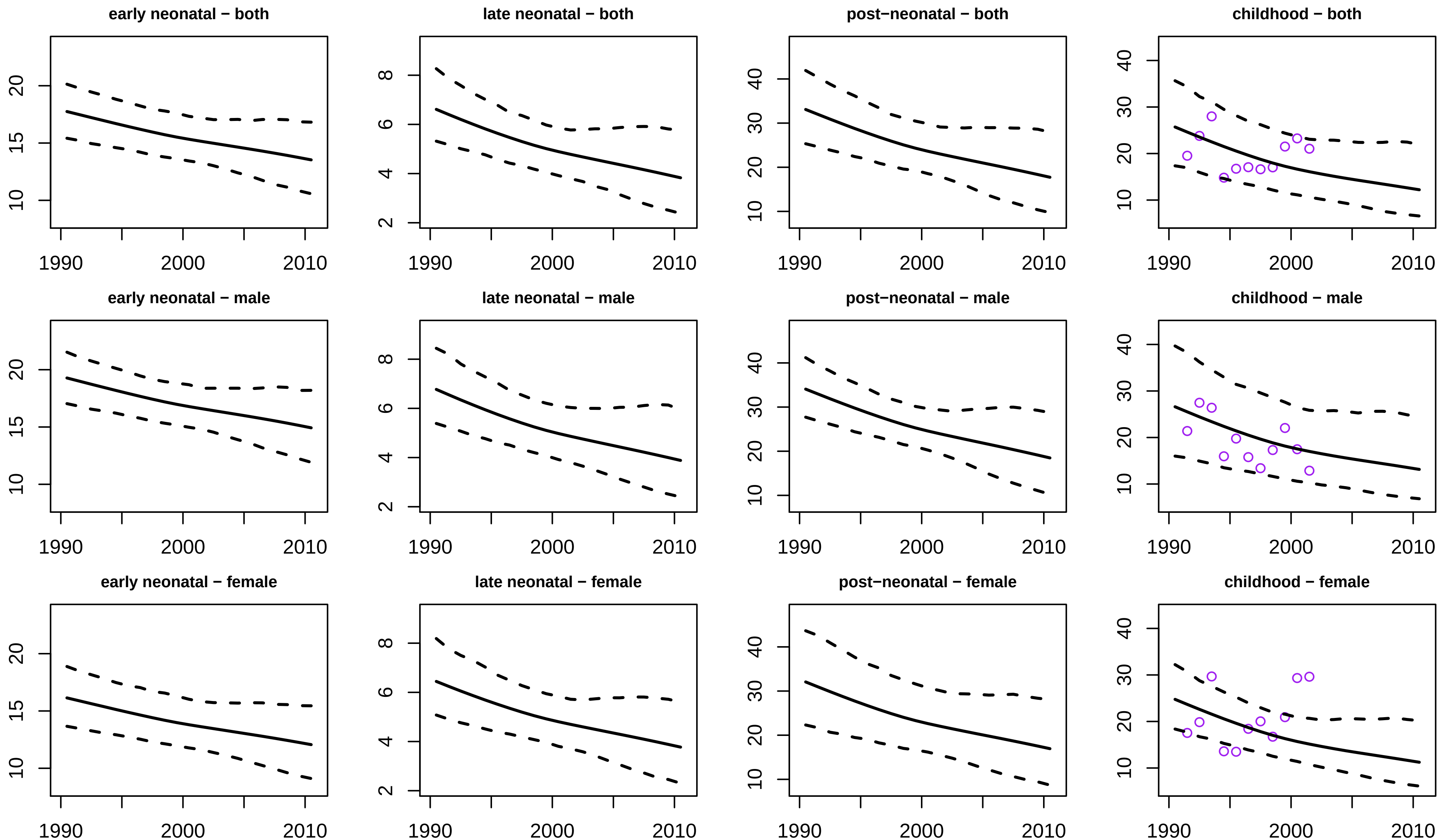
Kenya − 5q0 estimates
vr
census
dhs
mics
wfs
other
indirect
direct
hh
120
100
80
60
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
40

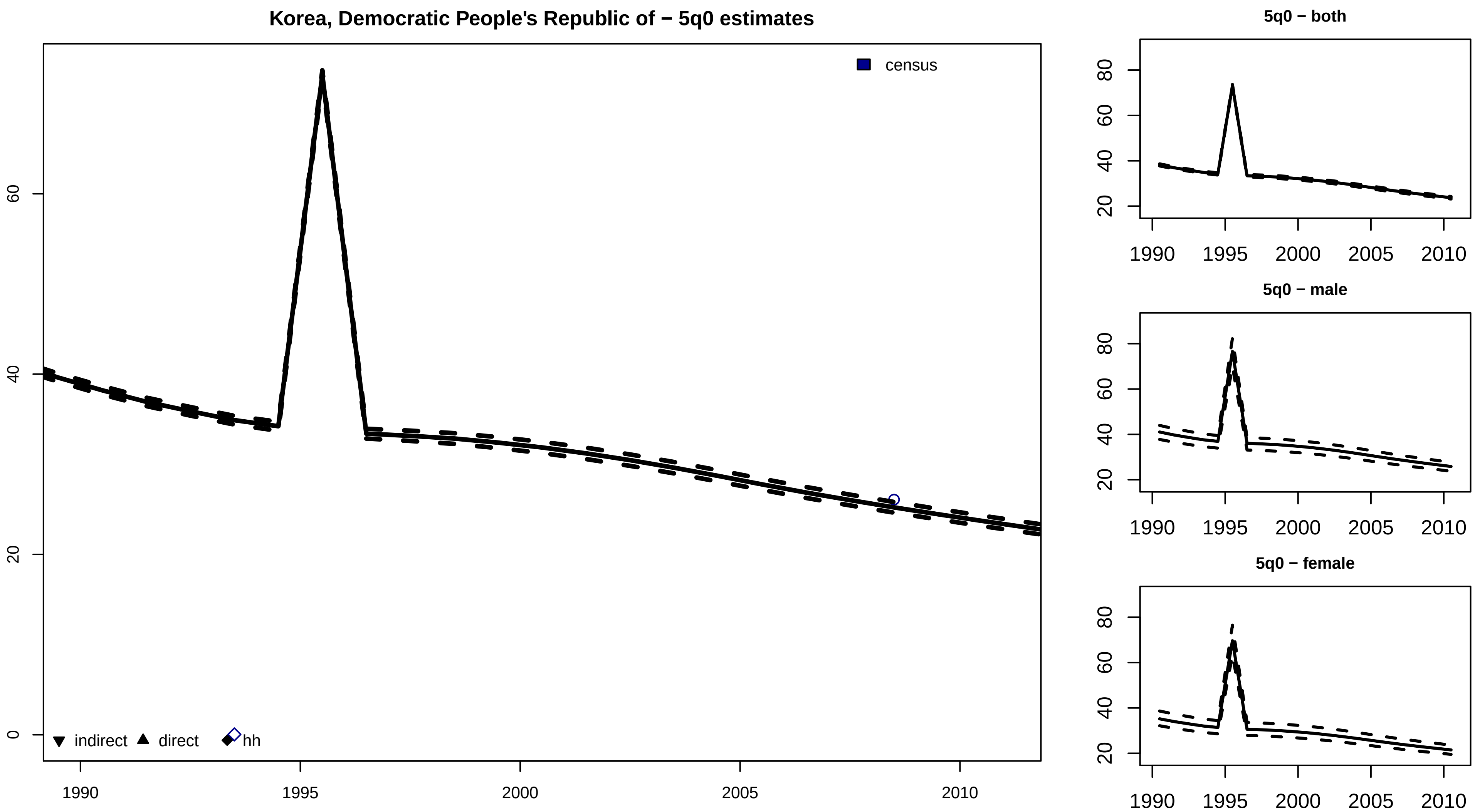


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

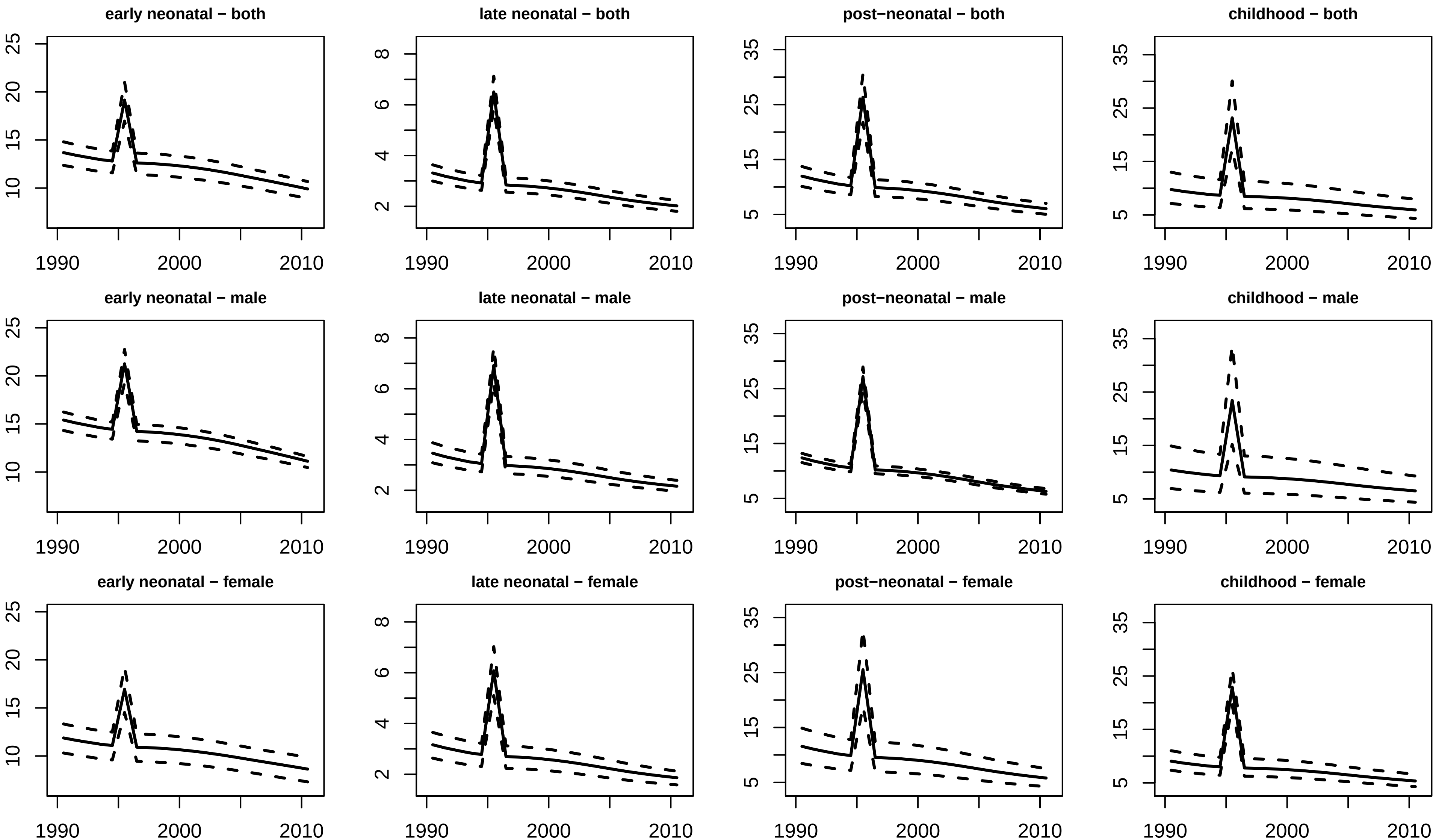


Kiribati − 5q0 estimates
vr
census
indirect
direct
hh
90
80
70
60
50
40
30
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
40
80

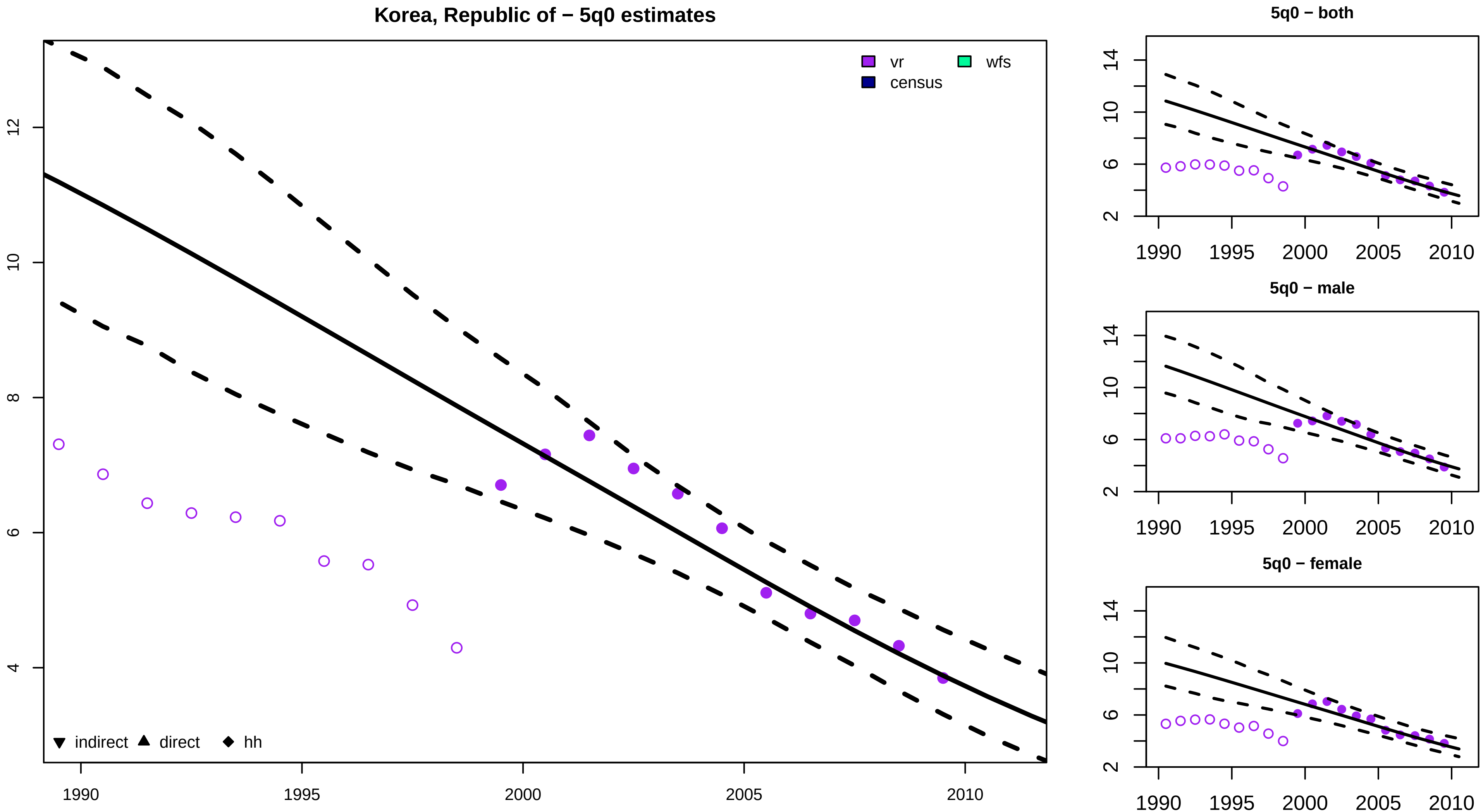

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
10
15
20
2
4
6
8
10
20
30
40



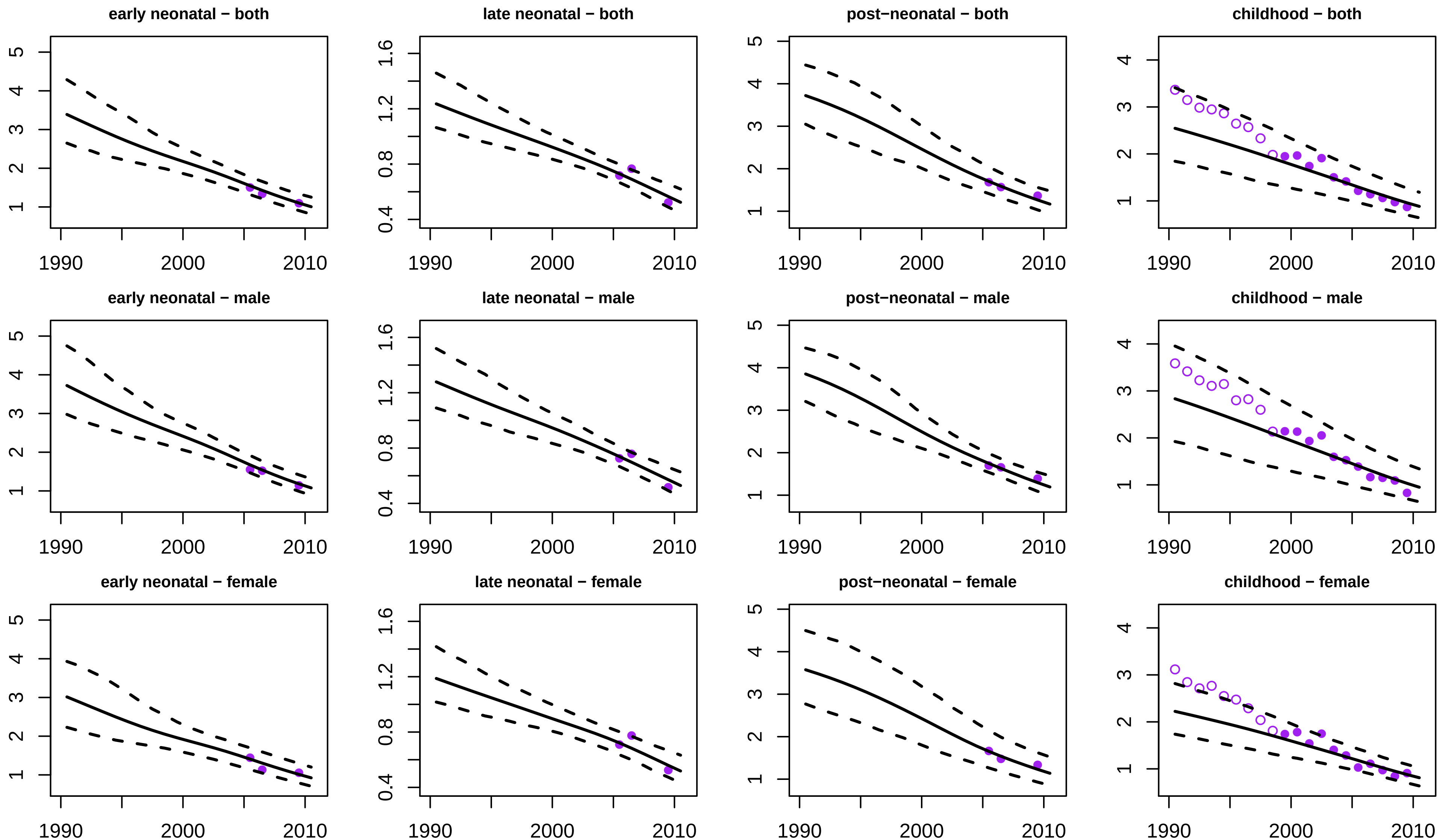
Korea, Democratic People's Republic of − 5q0 estimates
census
indirect
direct
hh
0
20
40
60
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
20
40
60
80

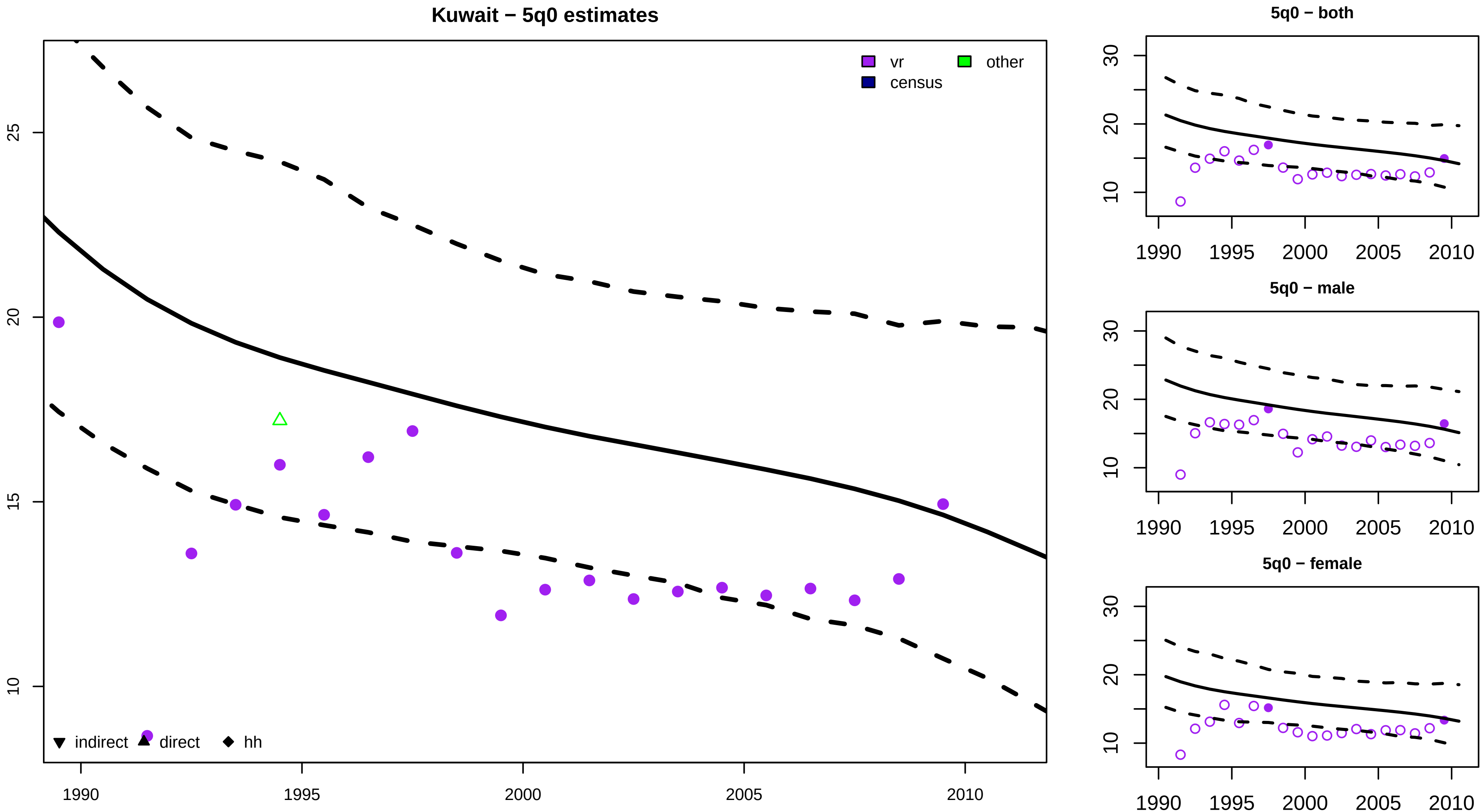


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

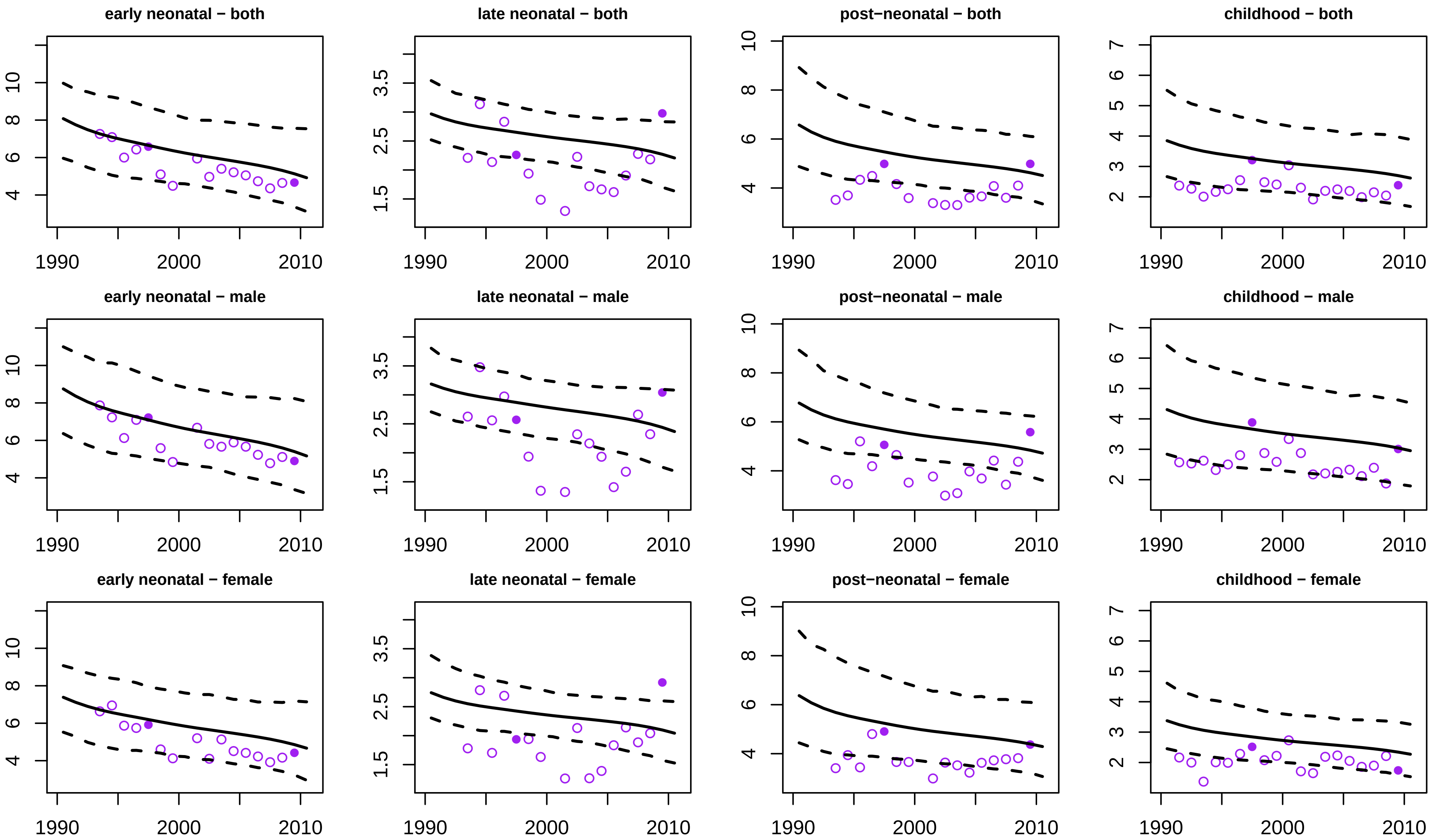


Korea, Republic of − 5q0 estimates
vr
census
wfs
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female

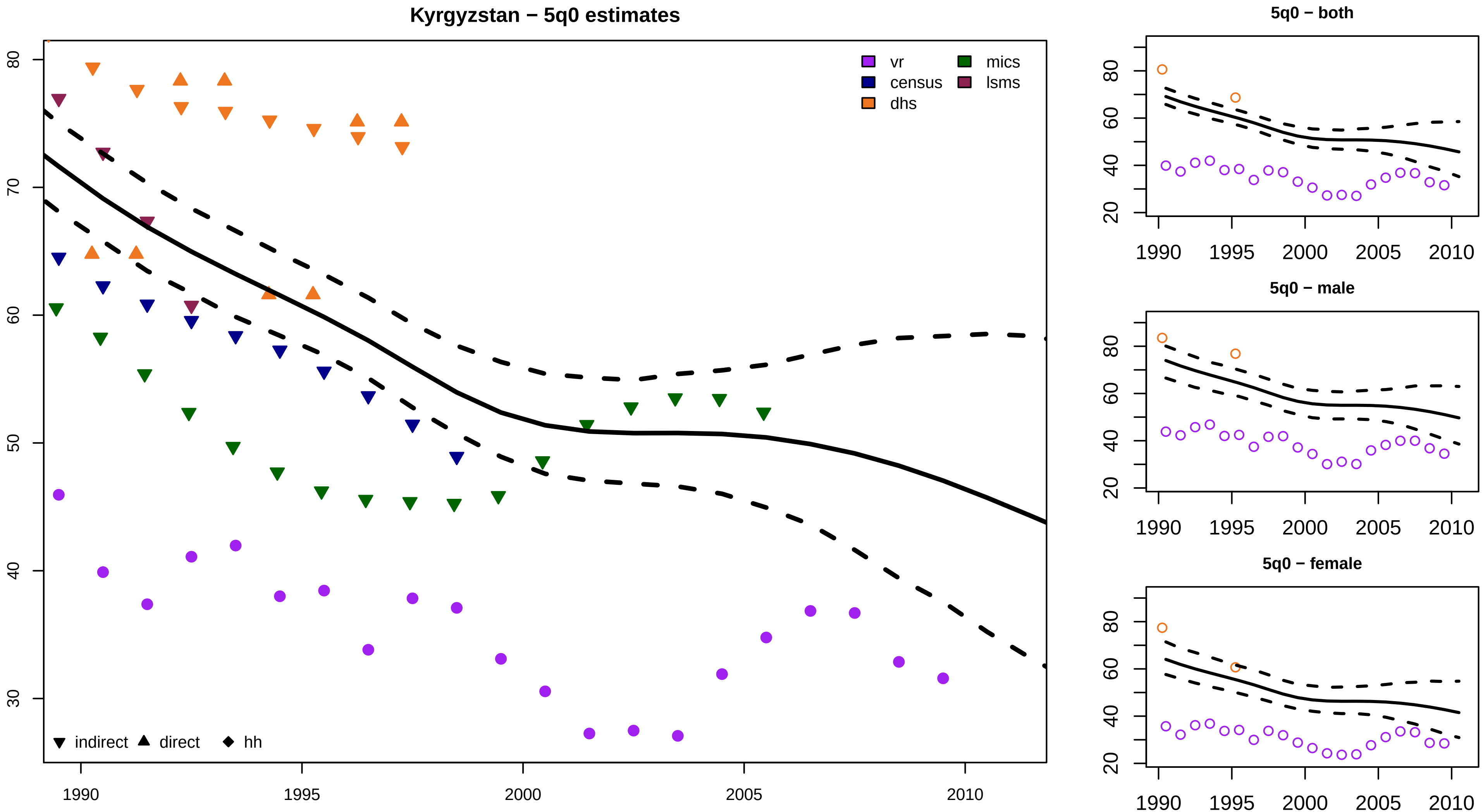

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



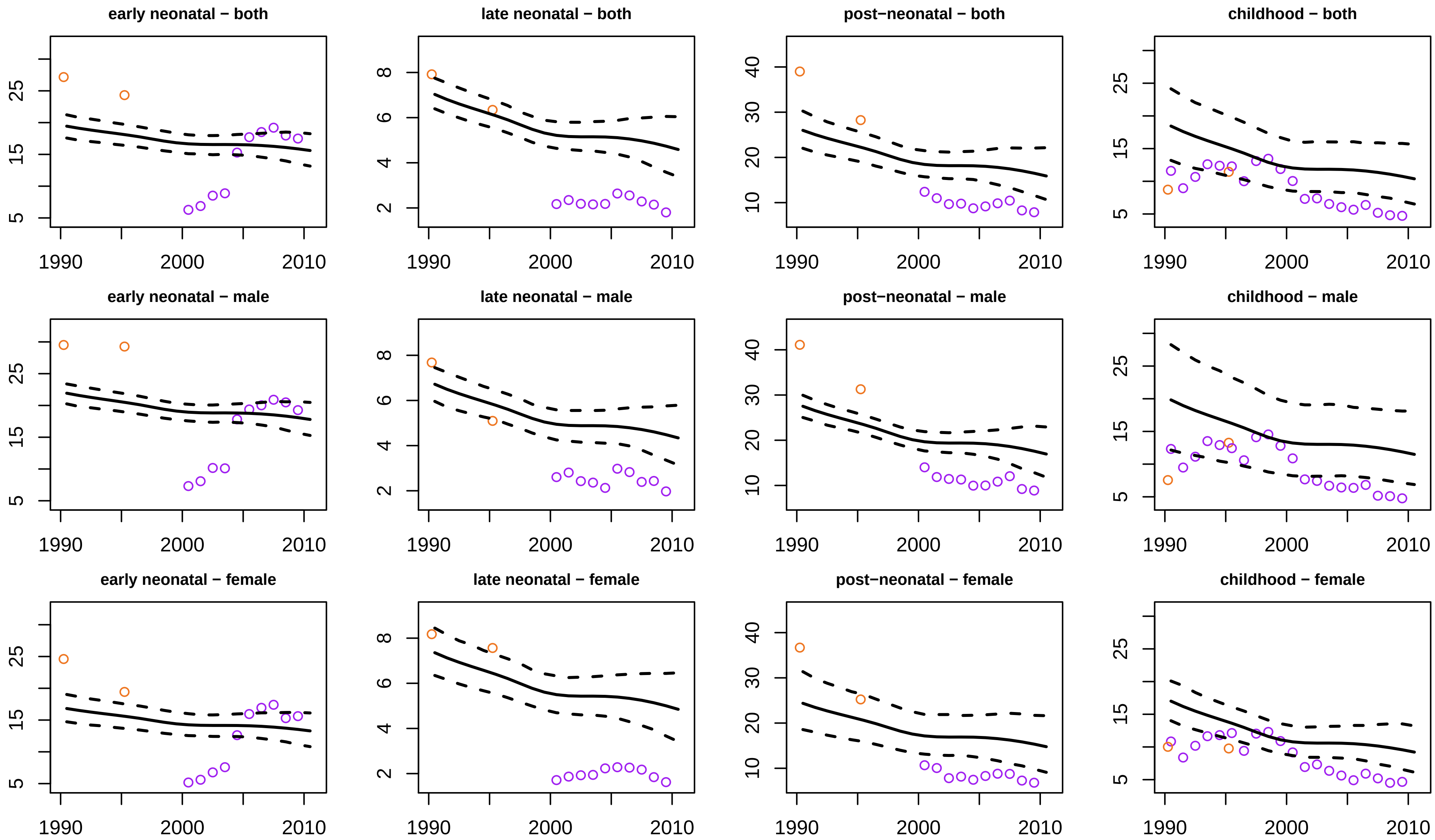
Kuwait − 5q0 estimates
vr
other
census
indirect
direct
hh
25
20
15
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
30

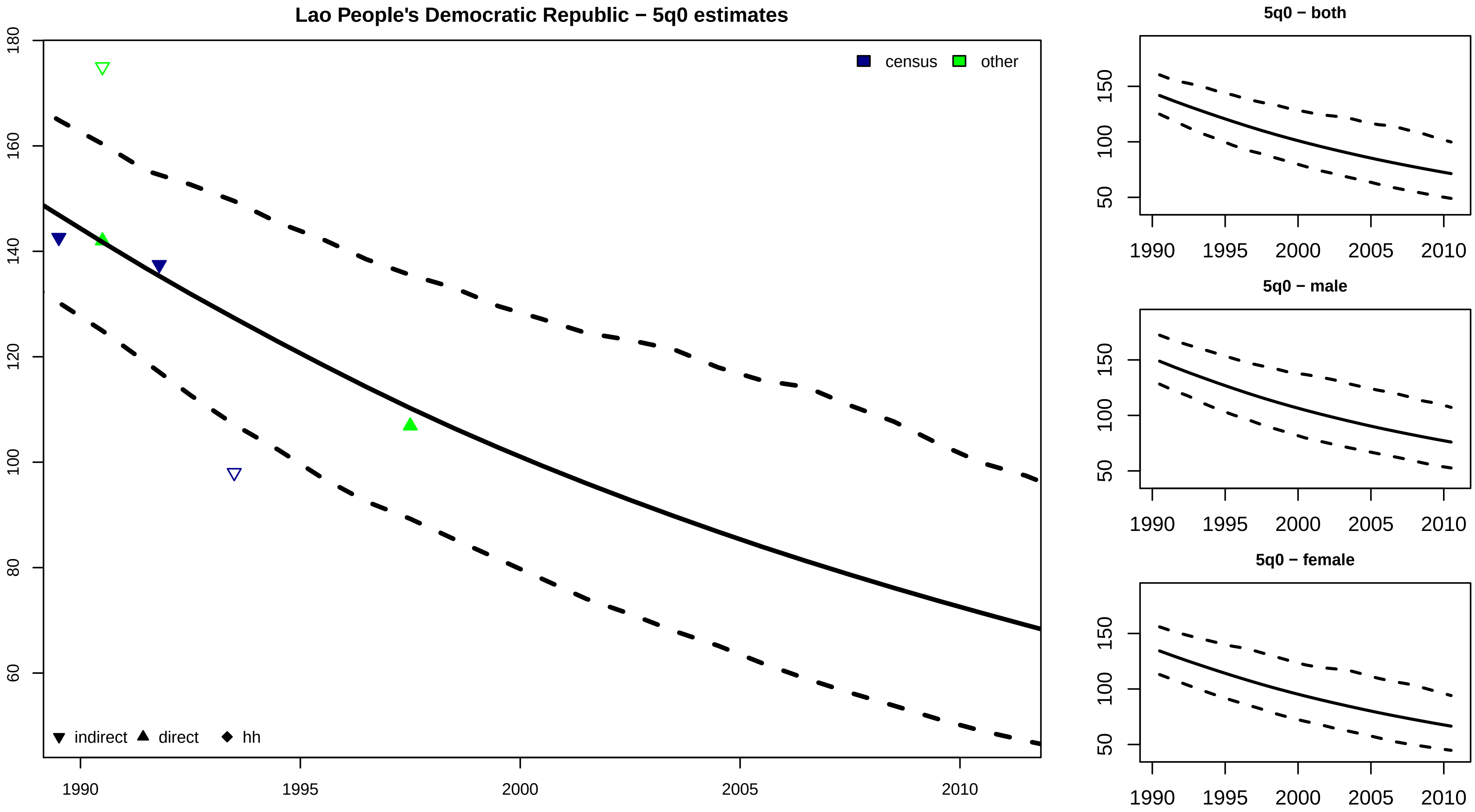


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

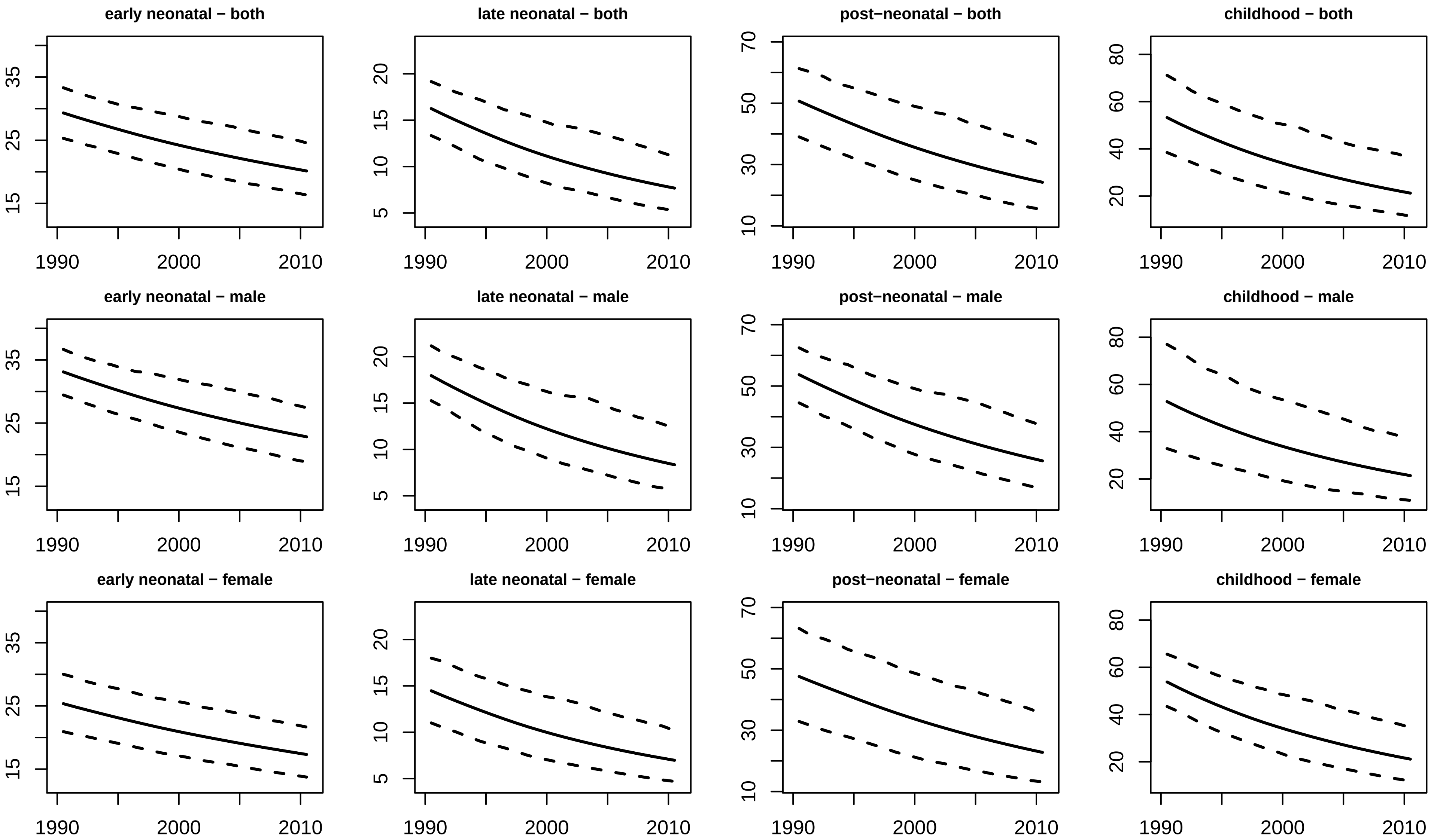


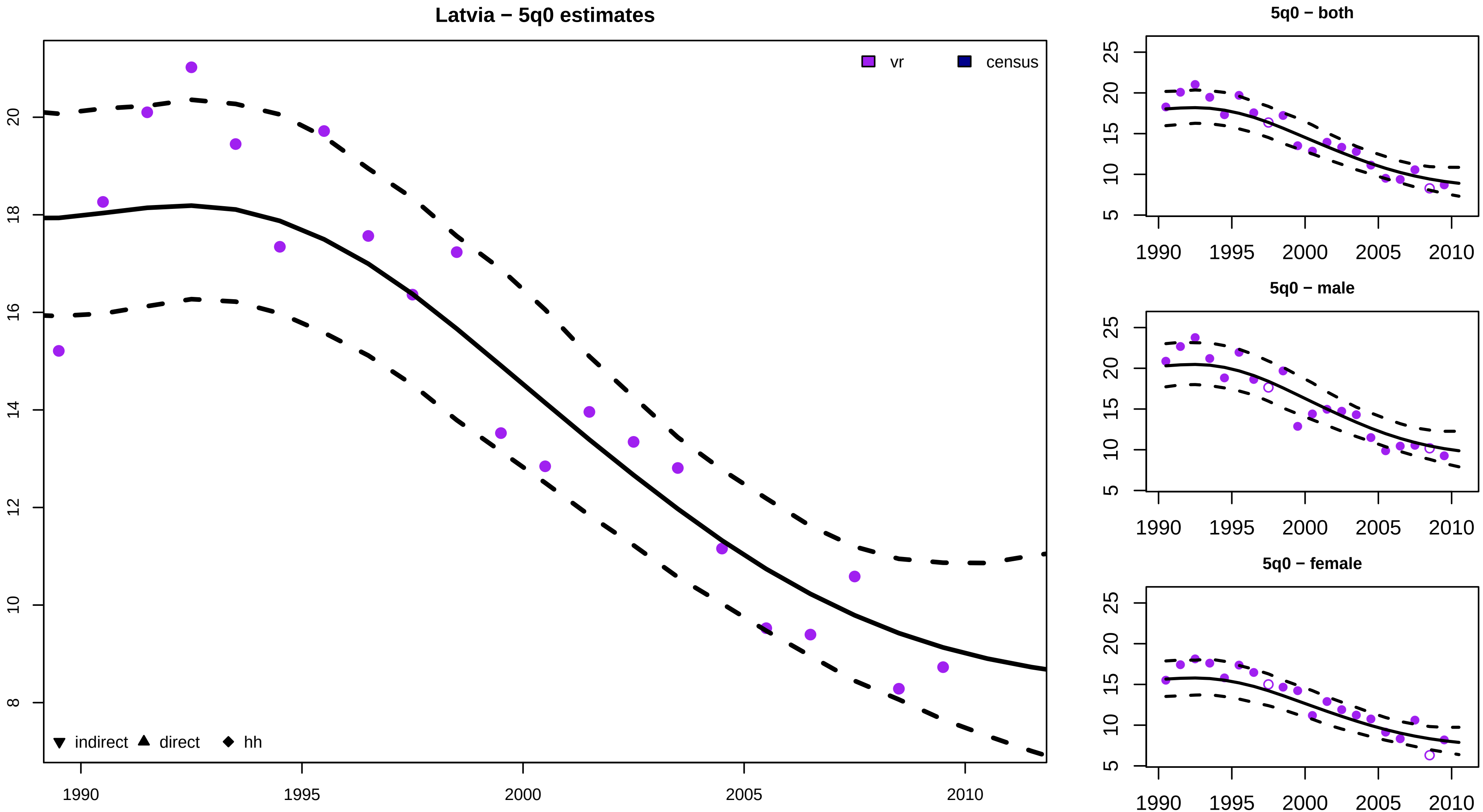
Kyrgyzstan − 5q0 estimates
vr
census
dhs
mics
lsms
indirect
direct
hh
1990
1995
2000
2005
2010
30
40
50
60
70
80
5q0 − both
5q0 − male
5q0 − female
20


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

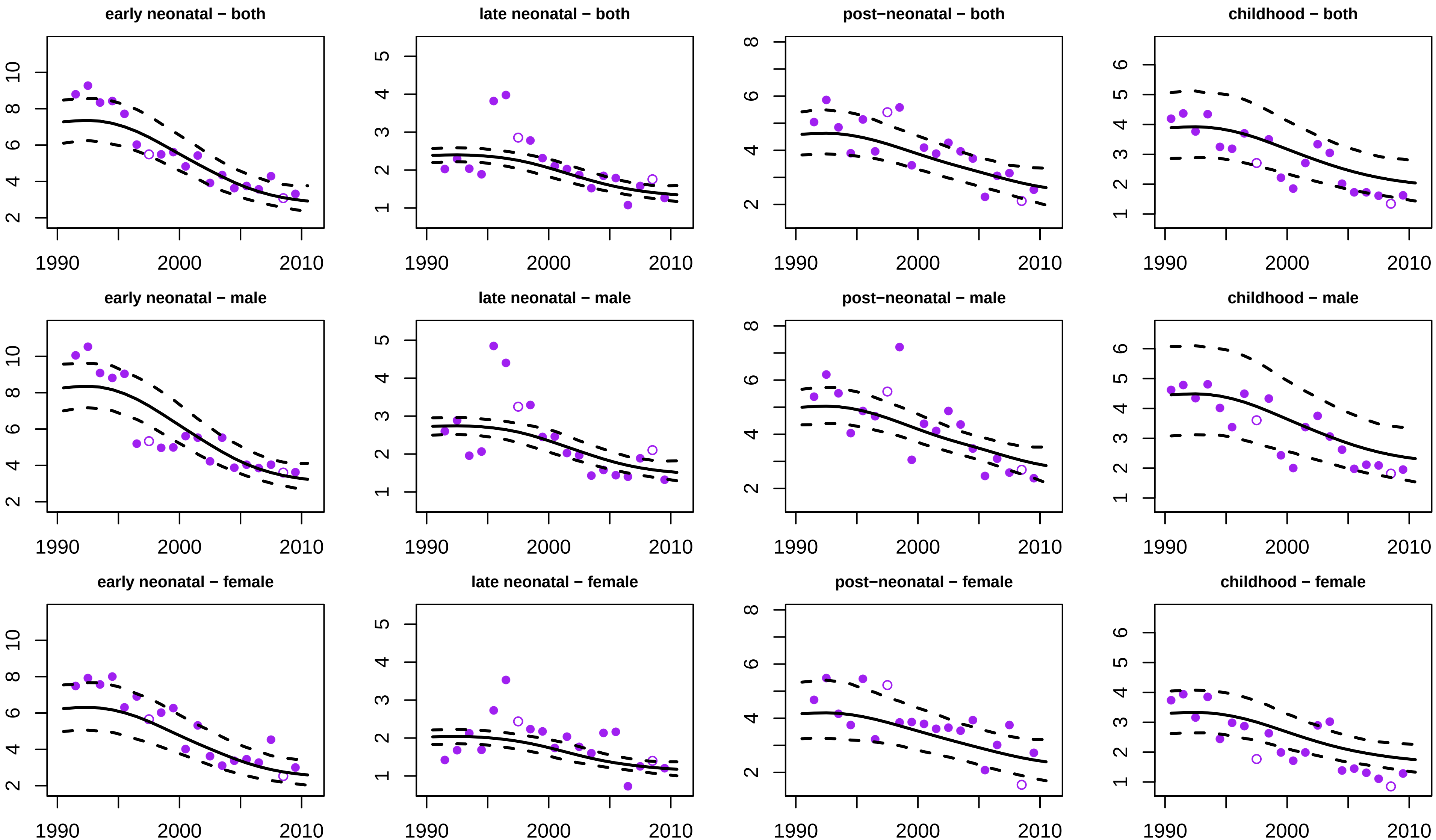


Lao People's Democratic Republic – 5q0 estimates
census
other
indirect
direct
hh
180
160
140
120
100
80
60
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
50
100
150

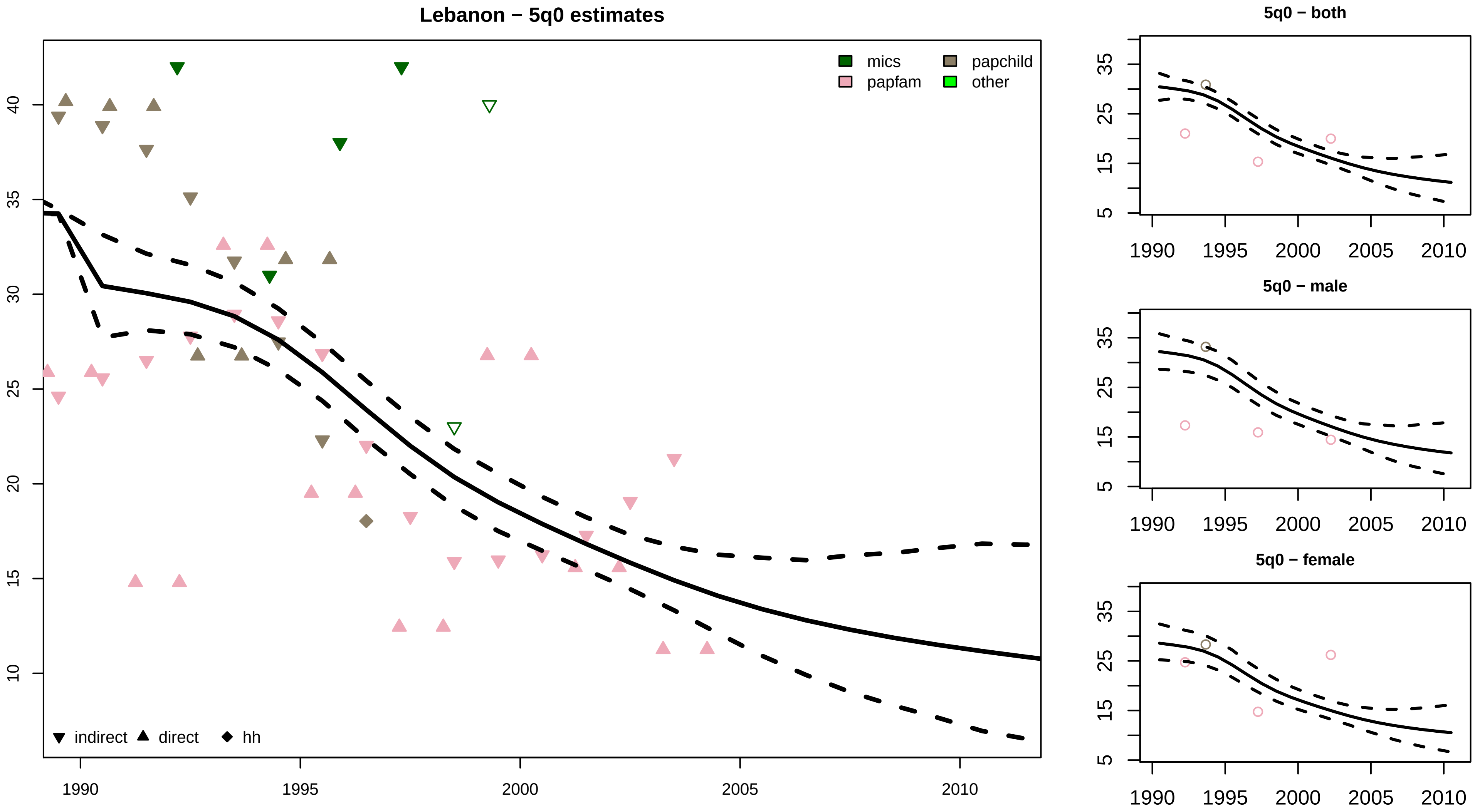

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
15 25 35
5 10 15 20
10 30 50 70
20 40 60 80
1990 2000 2010



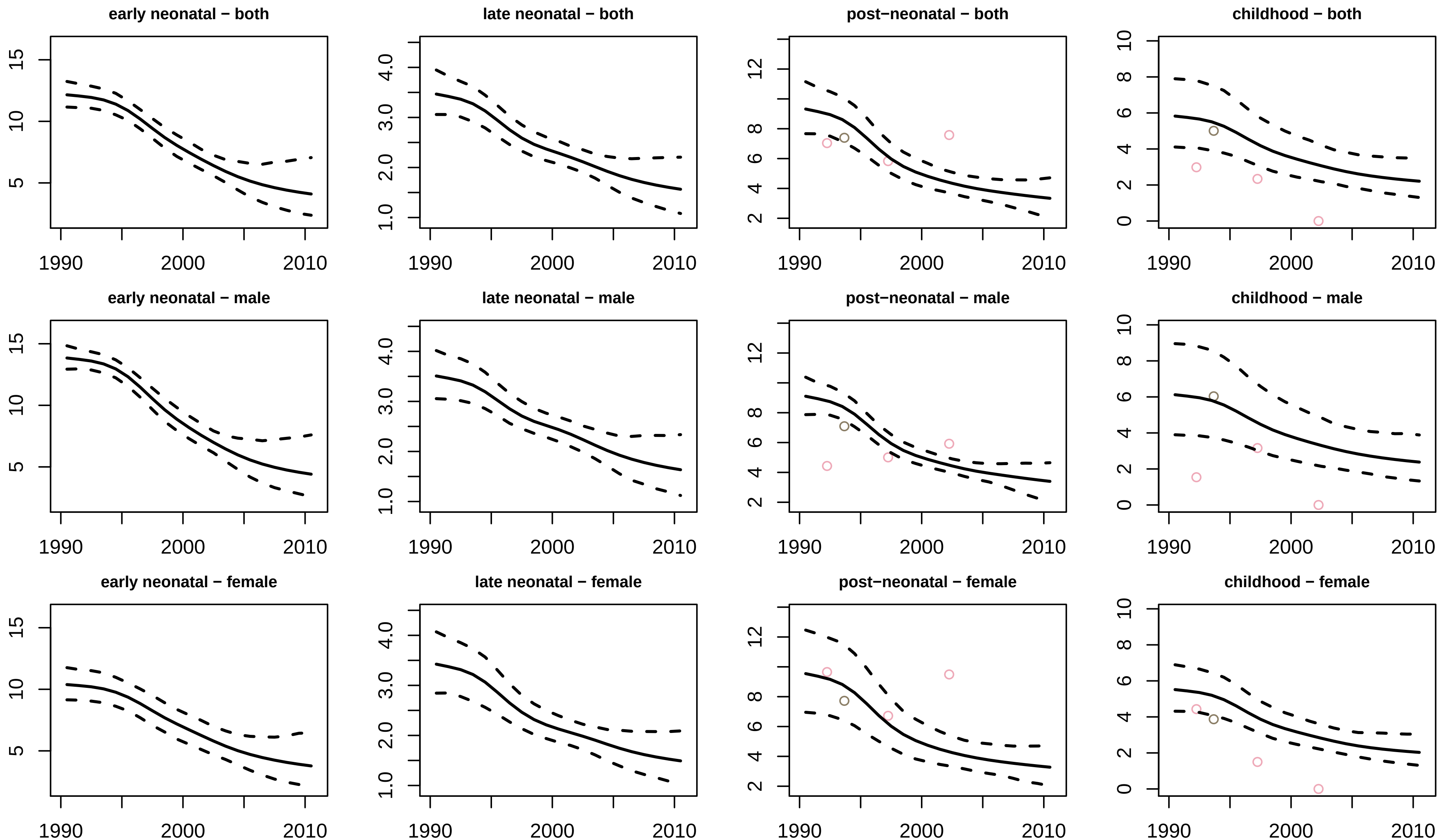
Latvia − 5q0 estimates
vr
census
indirect
direct
hh
20
18
16
14
12
10
8
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
25
20
15
10
5



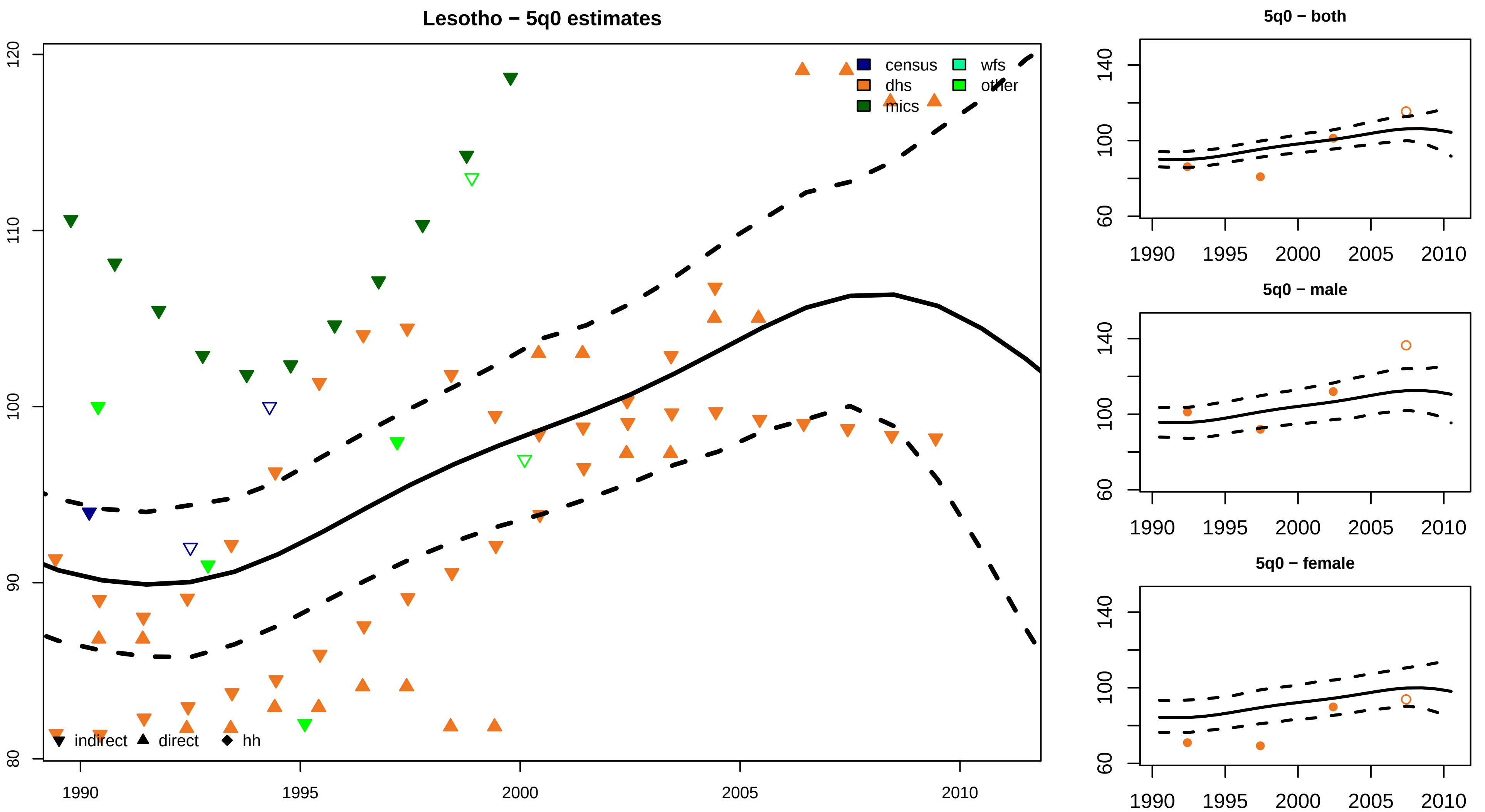
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



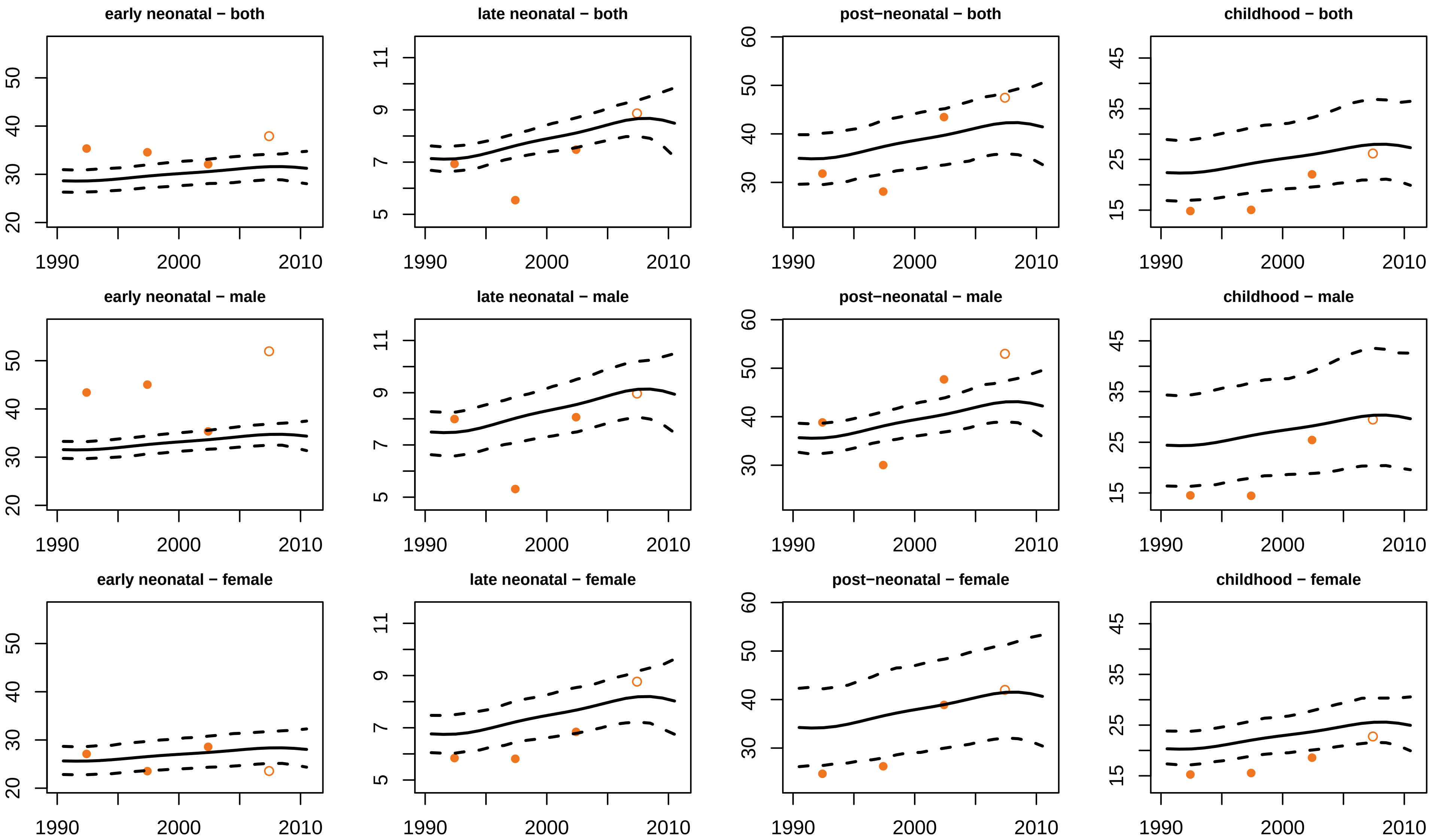
Lebanon − 5q0 estimates
mics
papchild
papfam
other
indirect
direct
hh
40
35
30
25
20
15
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
35
25
15
5

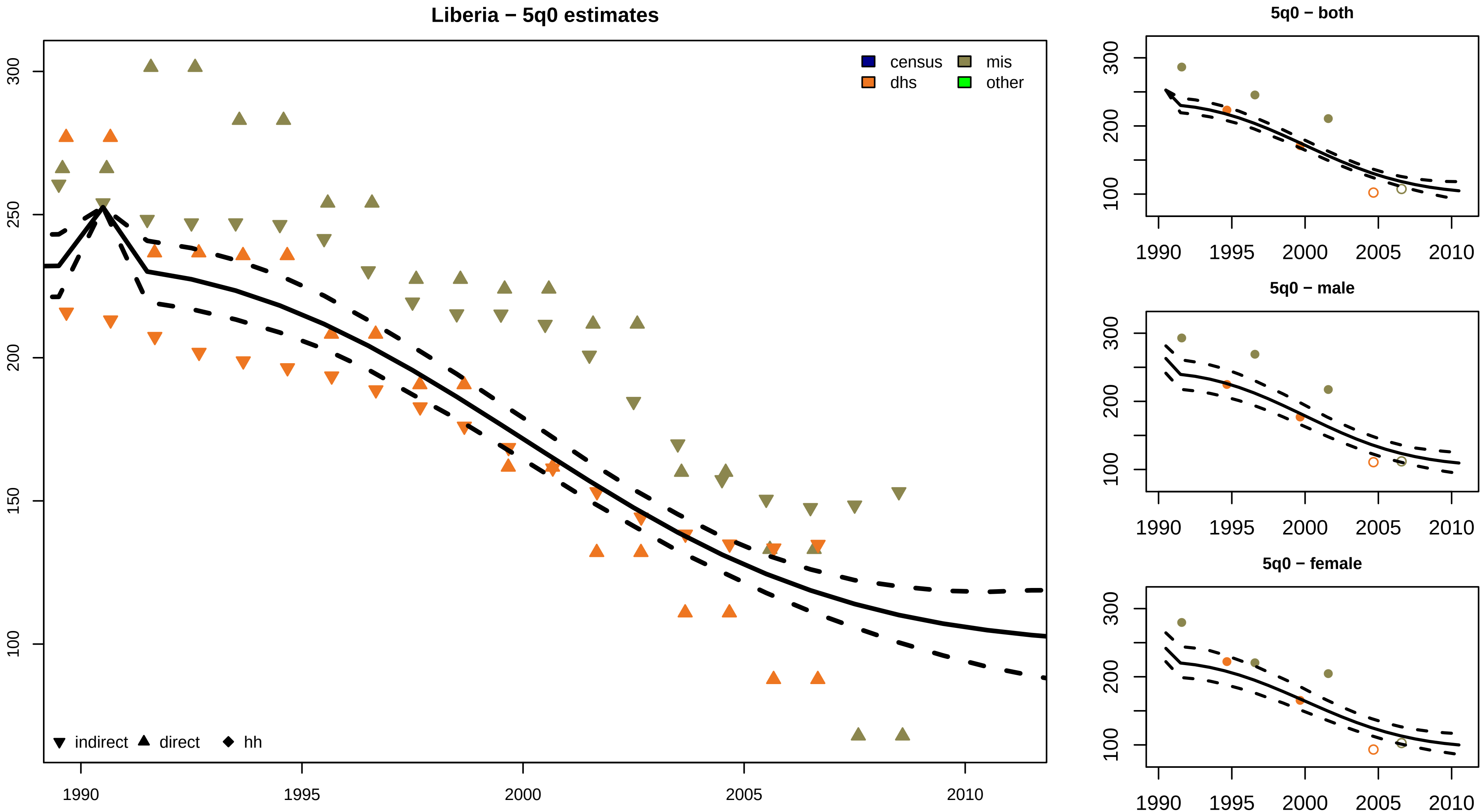


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

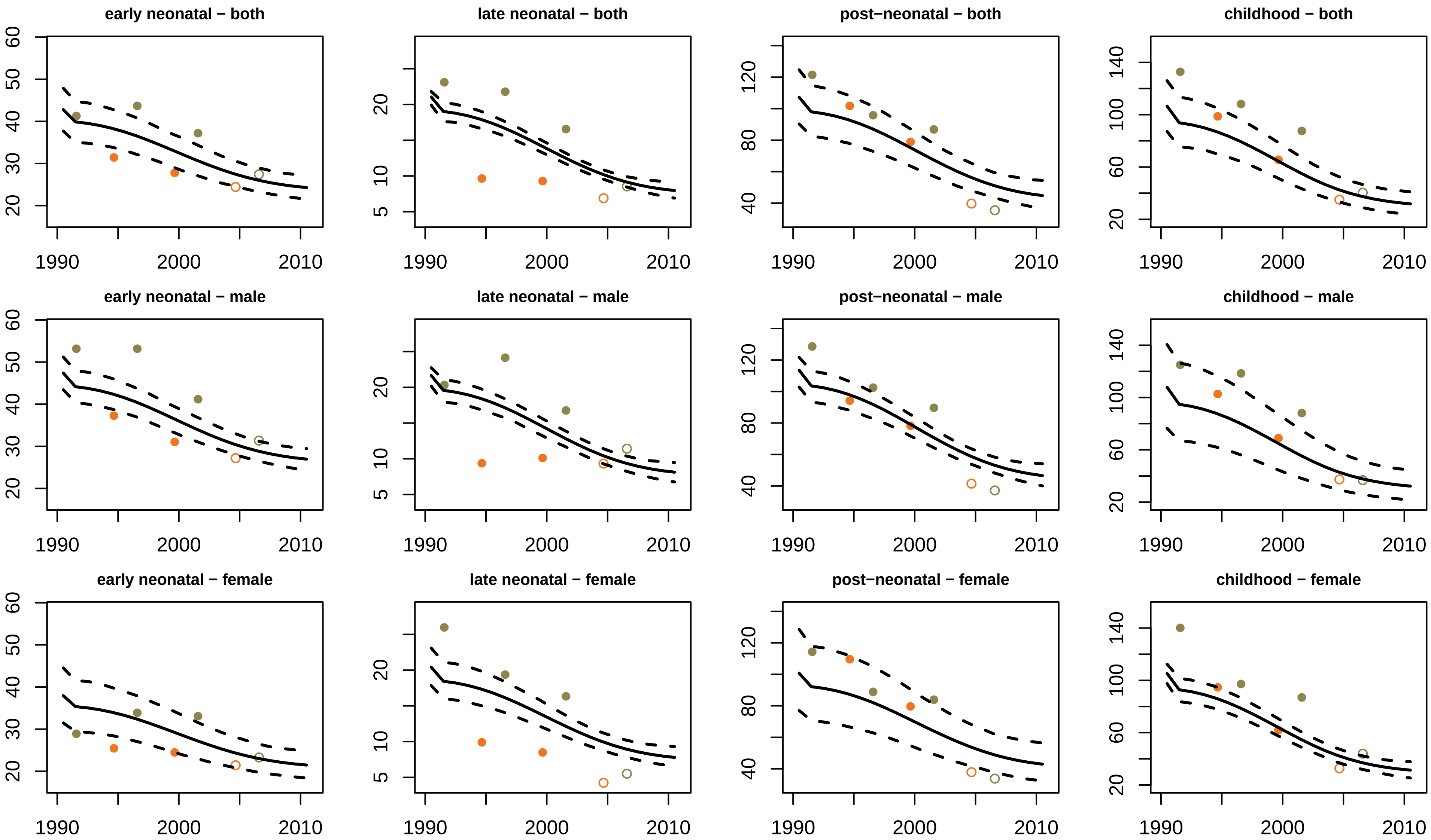


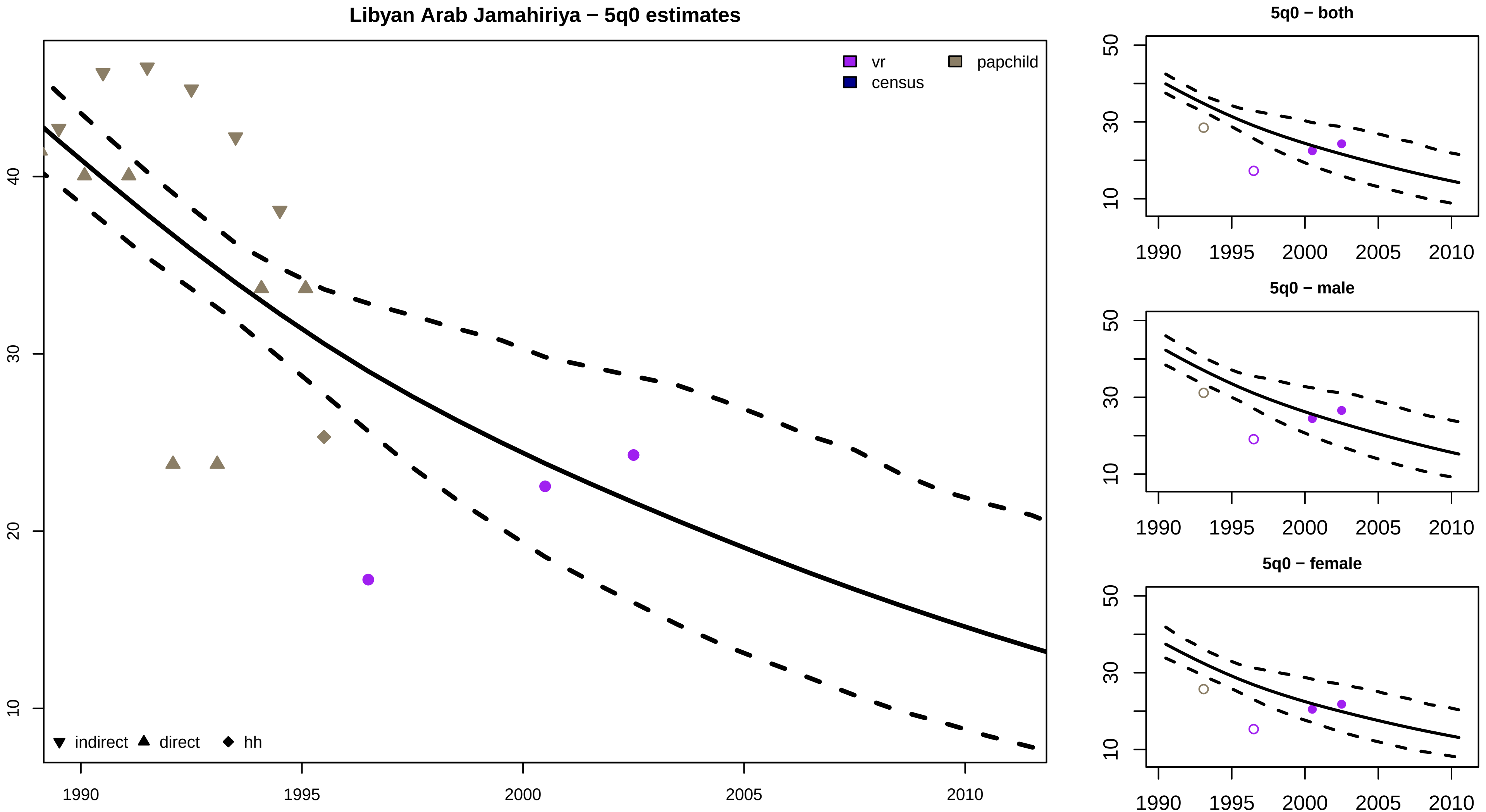
Lesotho − 5q0 estimates
census
wfs
dhs
other
mics
indirect
direct
hh
120
110
100
90
80
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
140
100
60


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

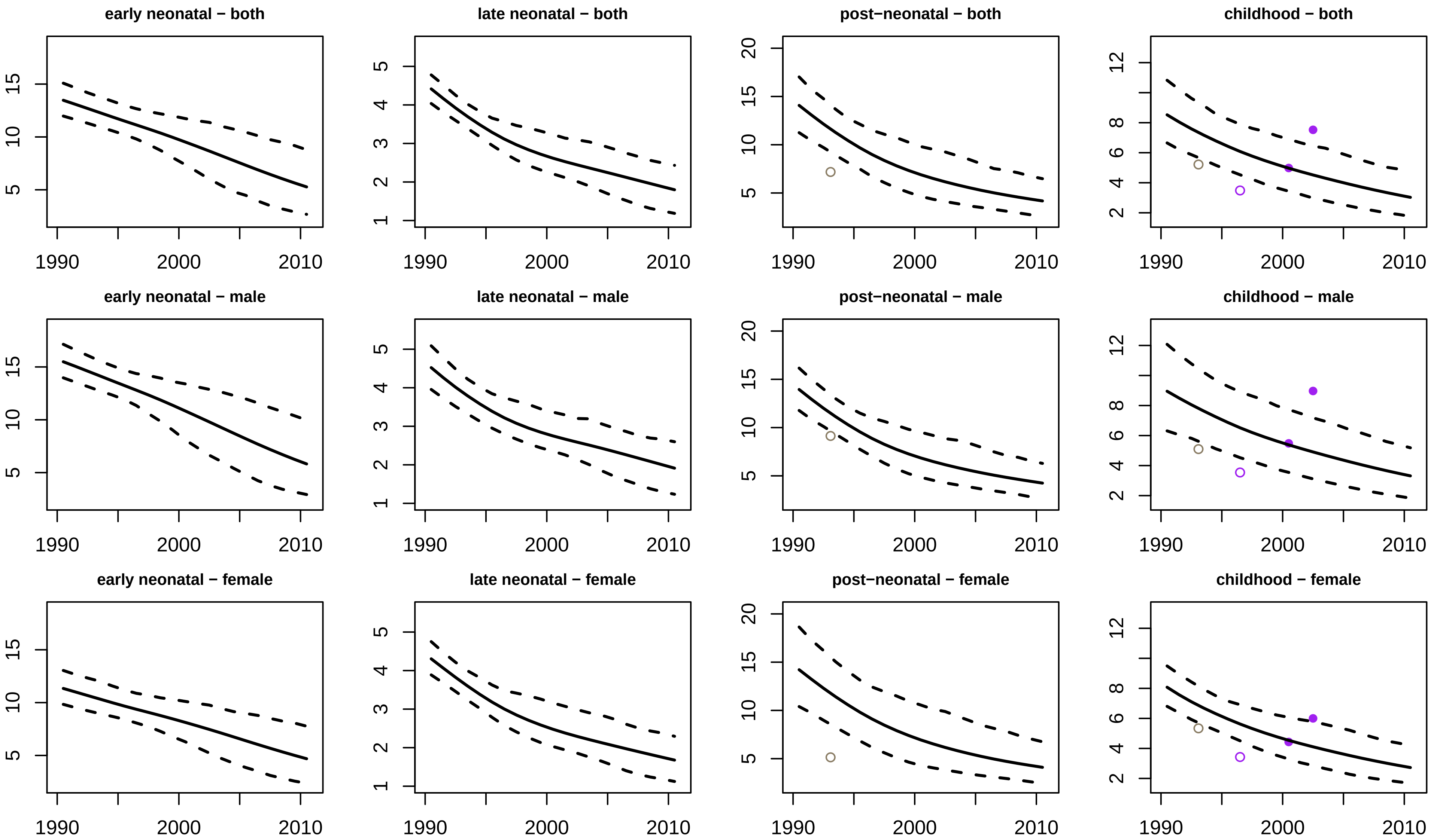


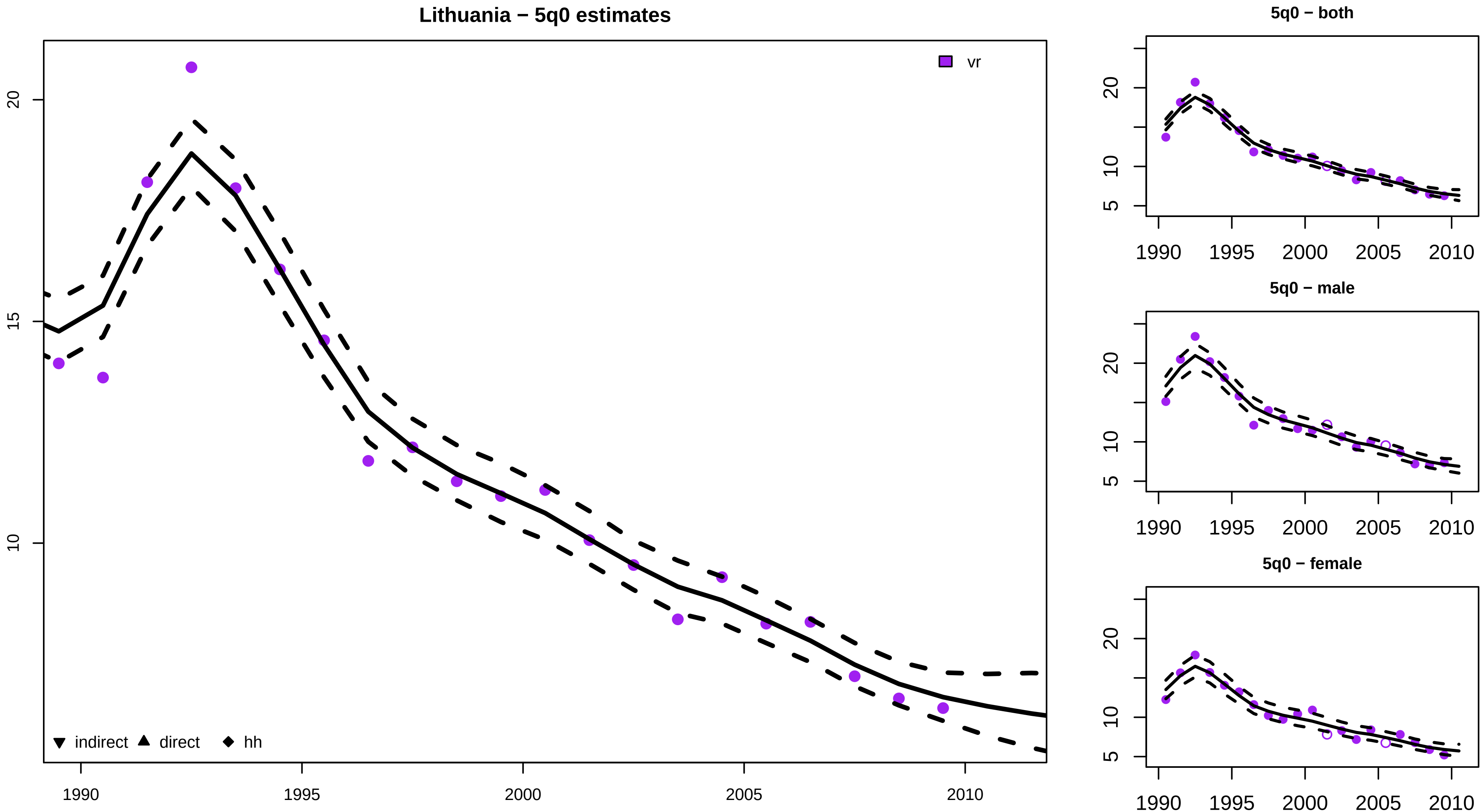
Liberia − 5q0 estimates
census
mis
dhs
other
indirect
direct
hh
300
250
200
150
100
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
20
30
40
50
60
5
10
20
40
80
120
60
100
140

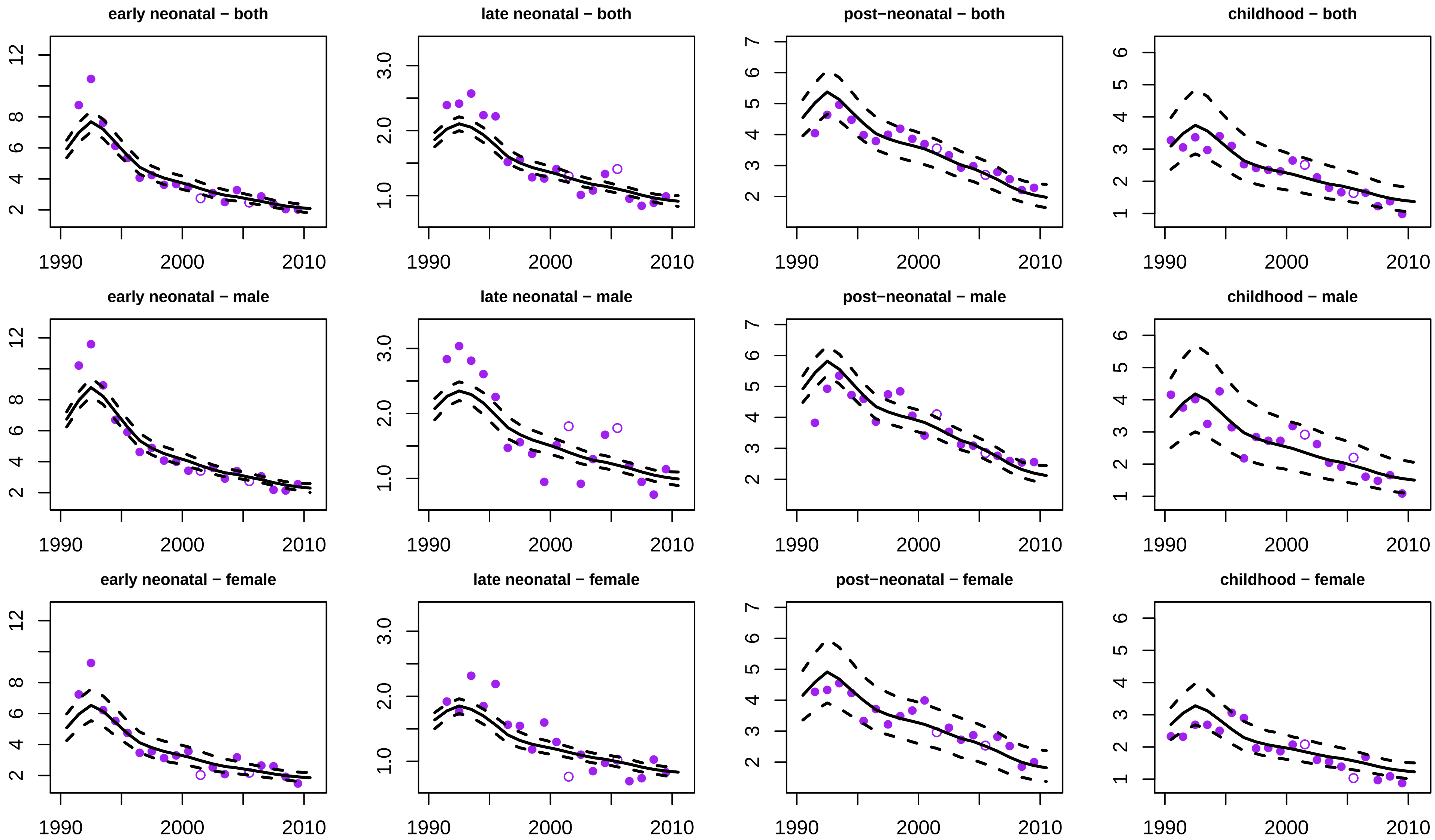


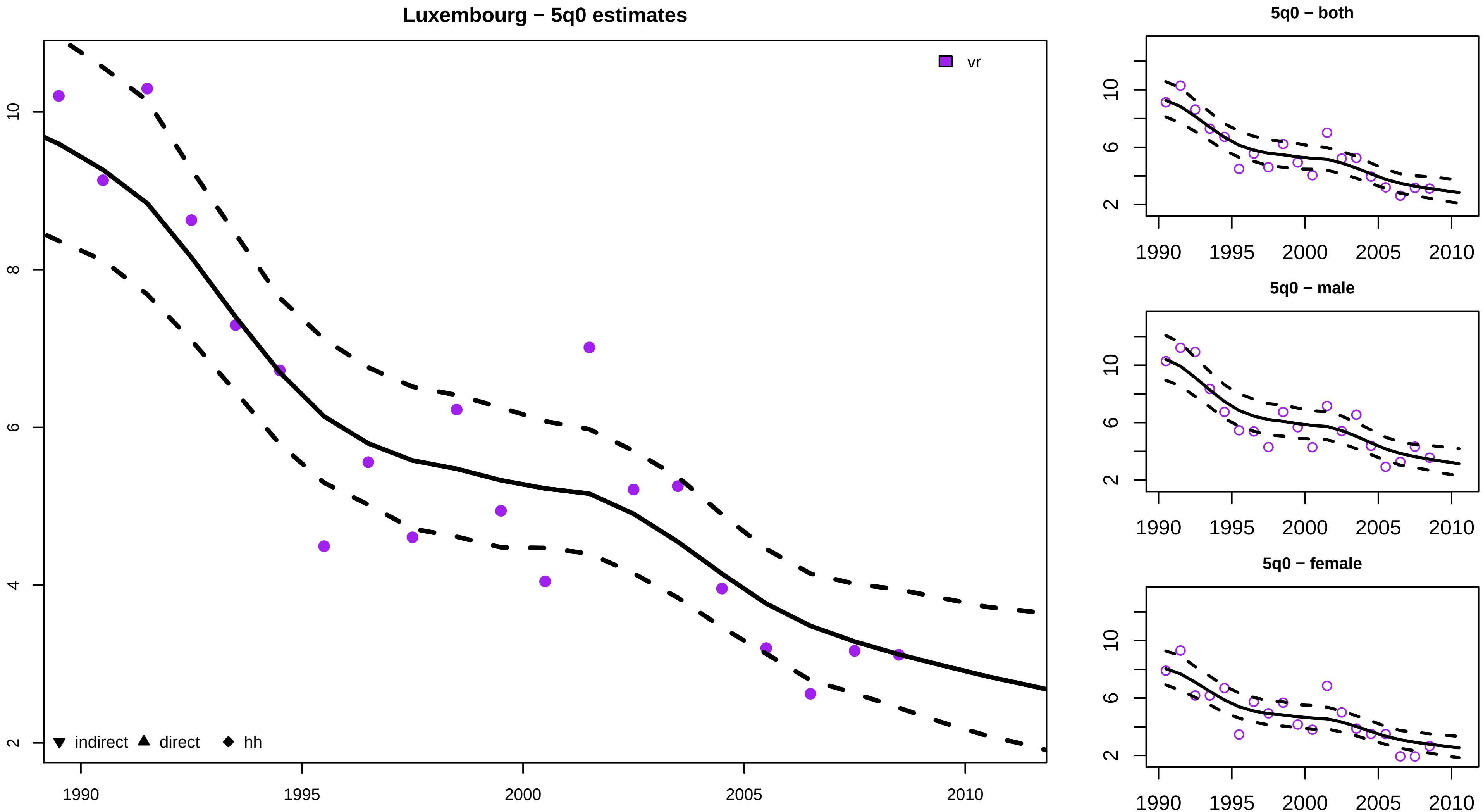
Libyan Arab Jamahiriya – 5q0 estimates
vr
census
papchild
indirect
direct
hh
10
20
30
40
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

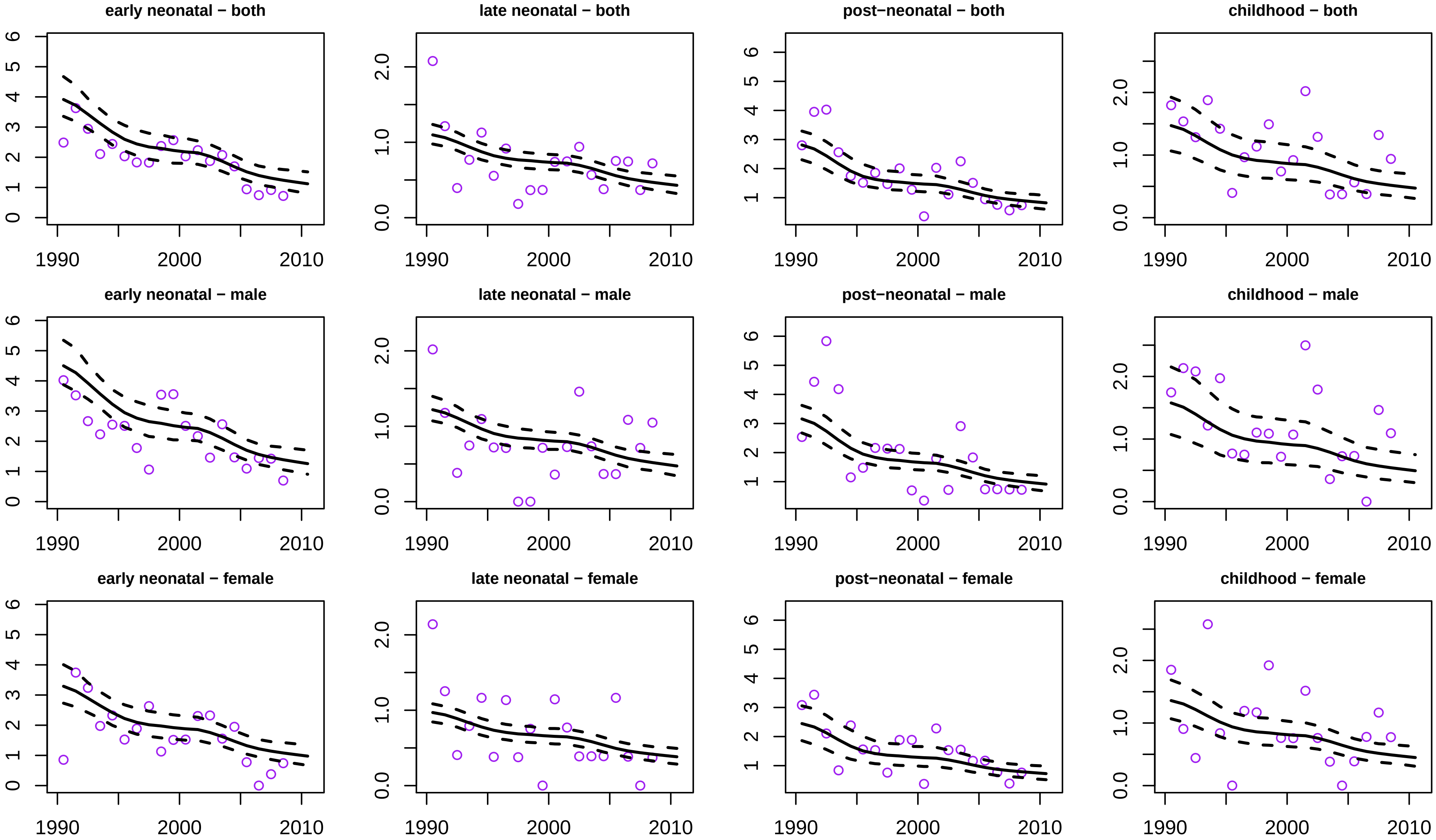


Lithuania − 5q0 estimates
vr
indirect
direct
hh
20
15
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
5

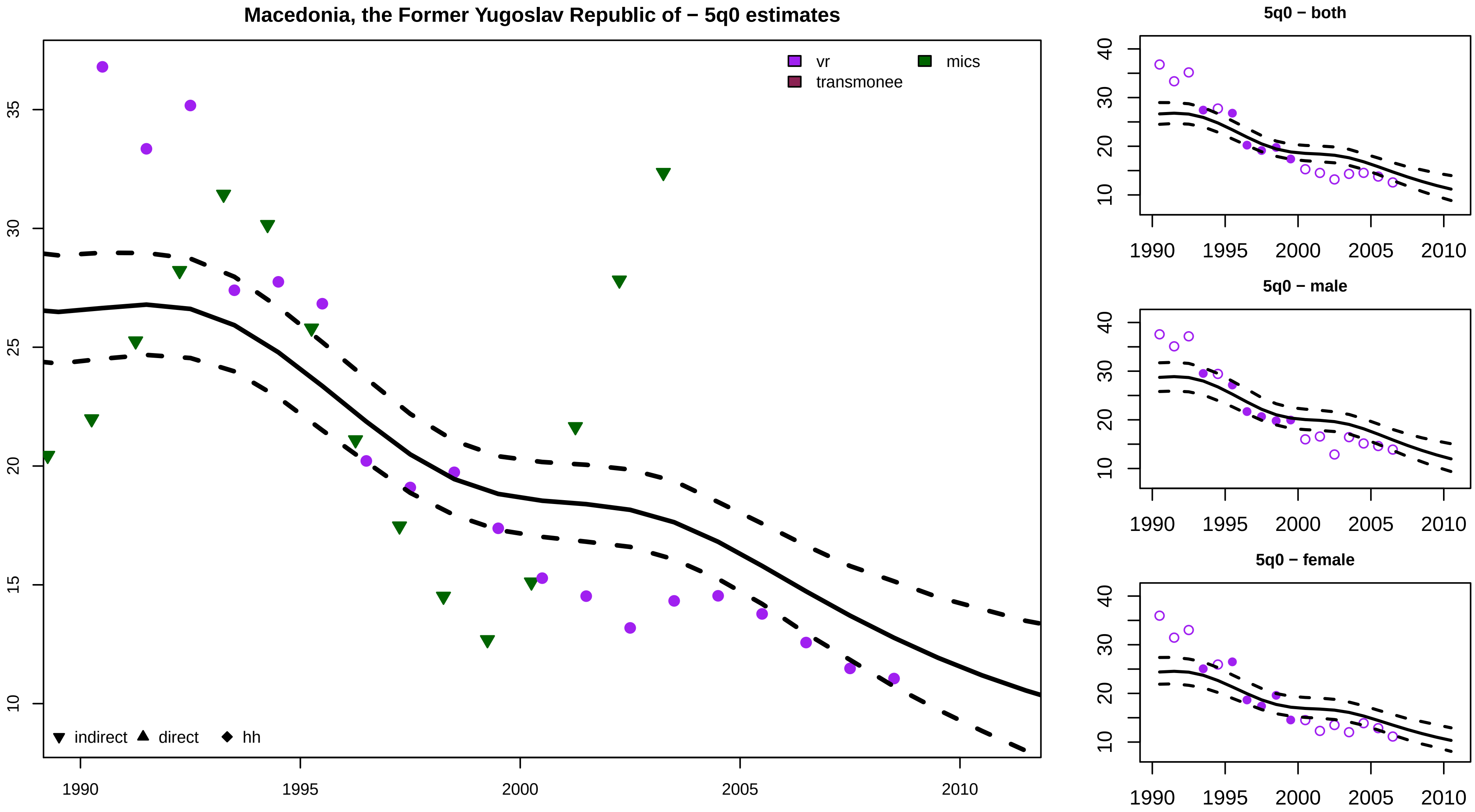

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



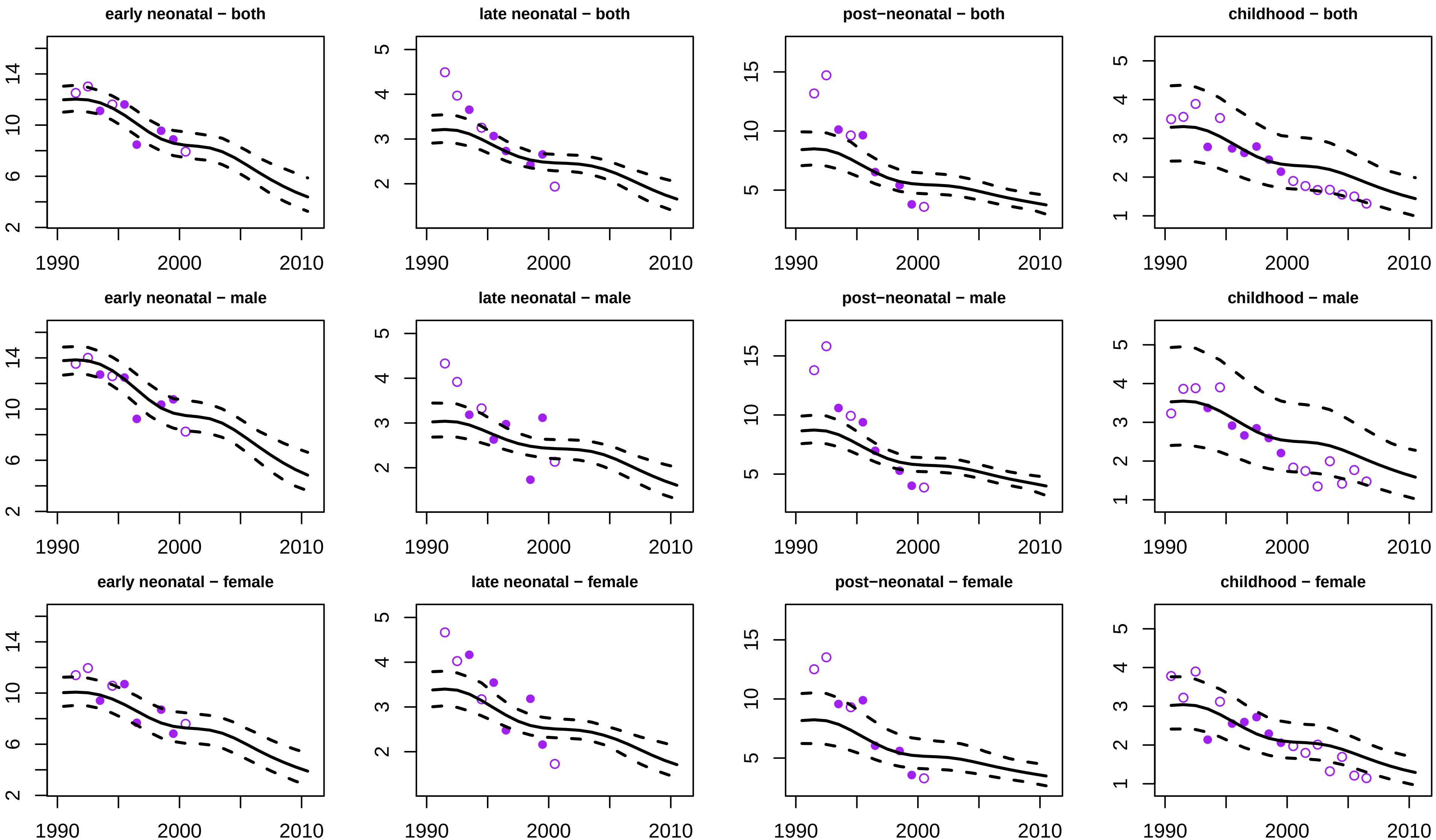
Luxembourg − 5q0 estimates
vr
indirect
direct
hh
2
4
6
8
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female



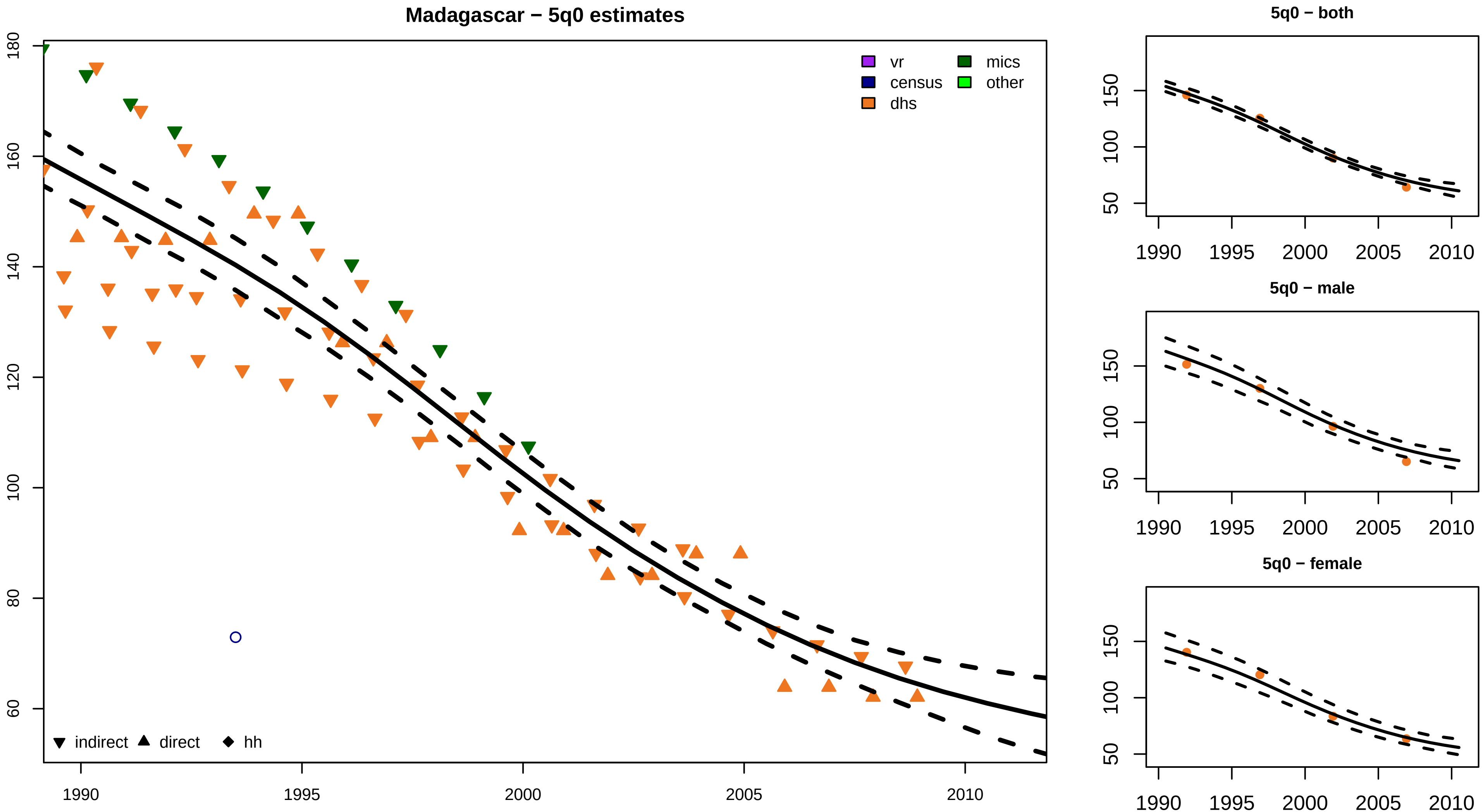
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female

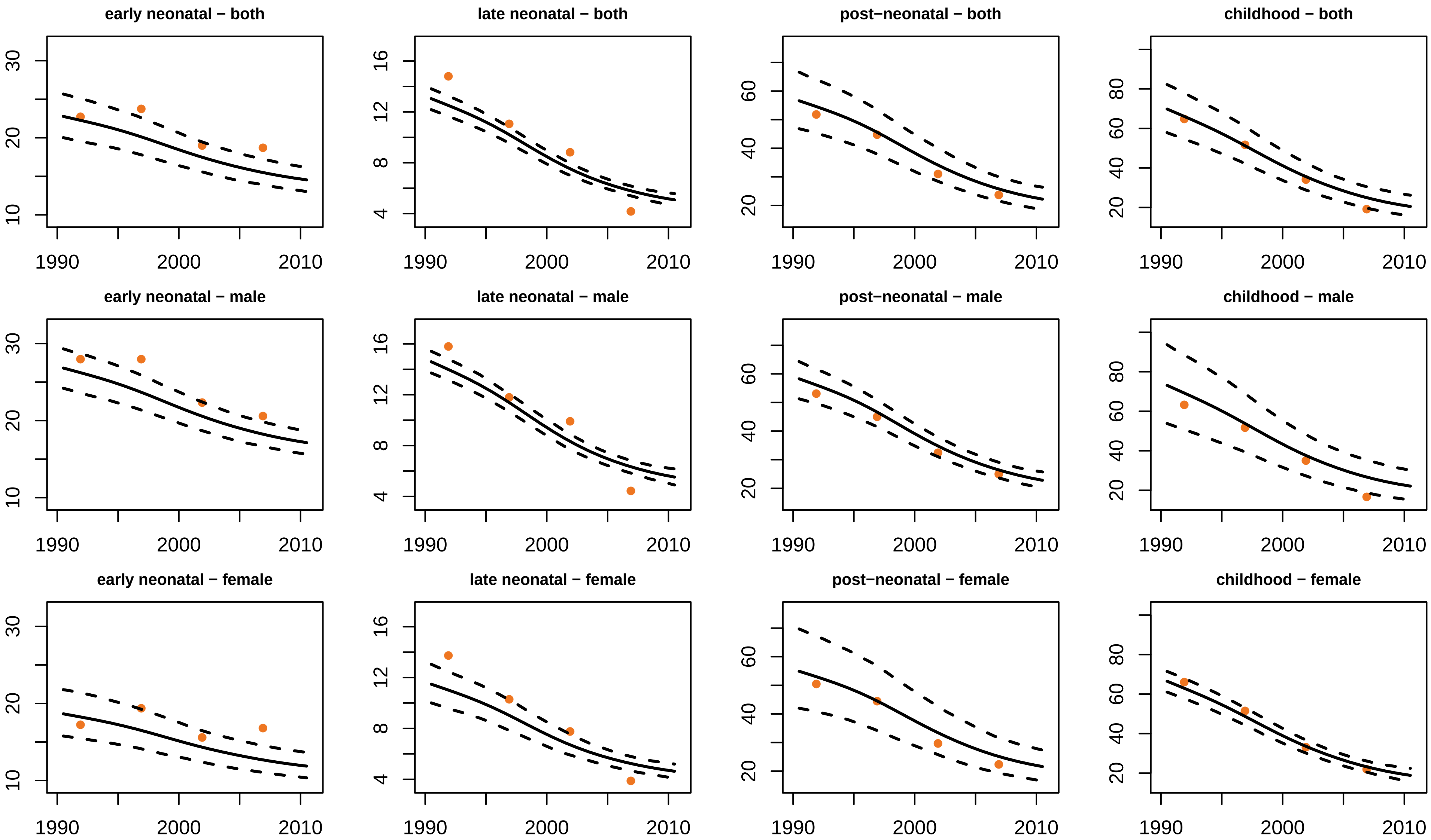


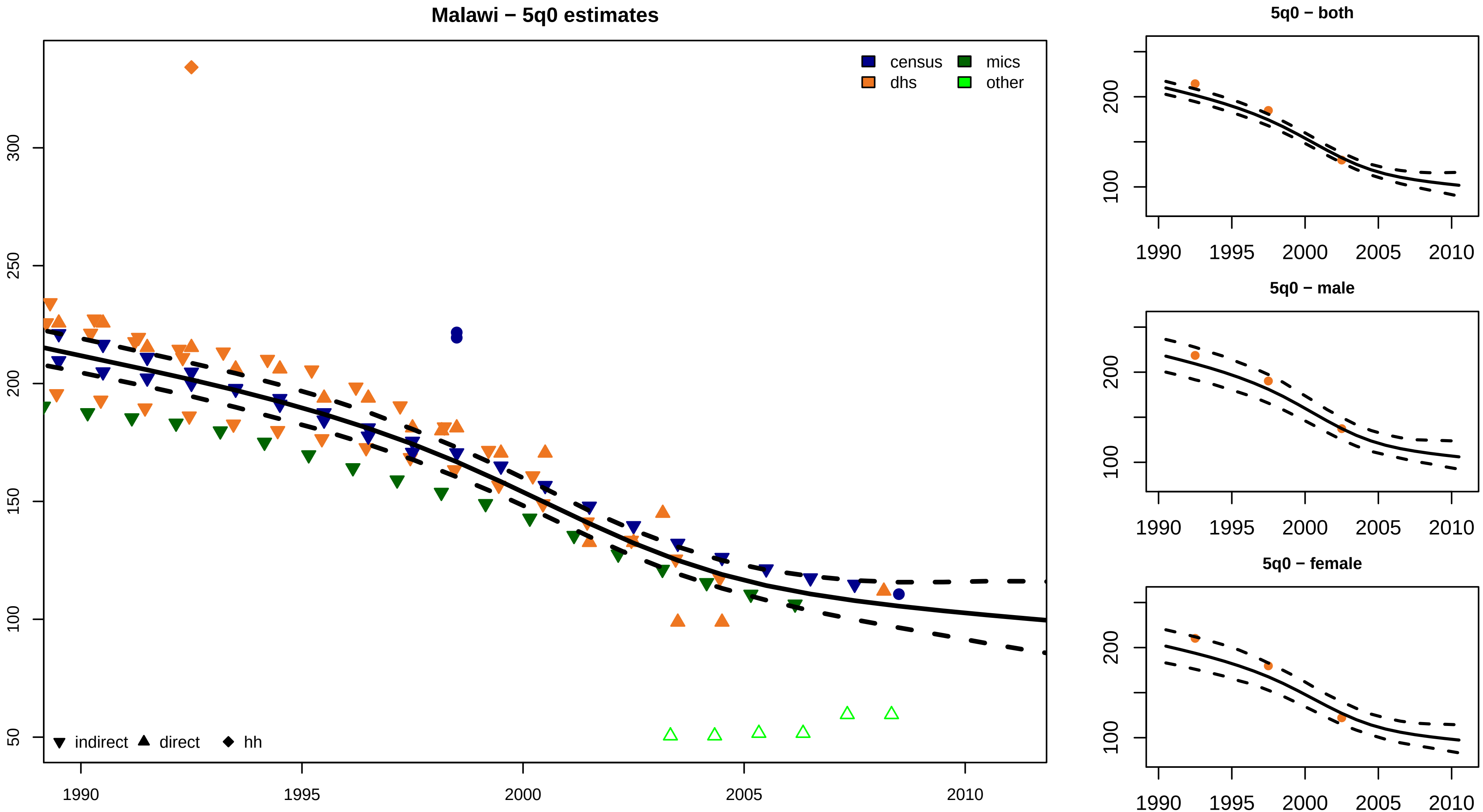
Macedonia, the Former Yugoslav Republic of − 5q0 estimates
vr
mics
transmonee
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female



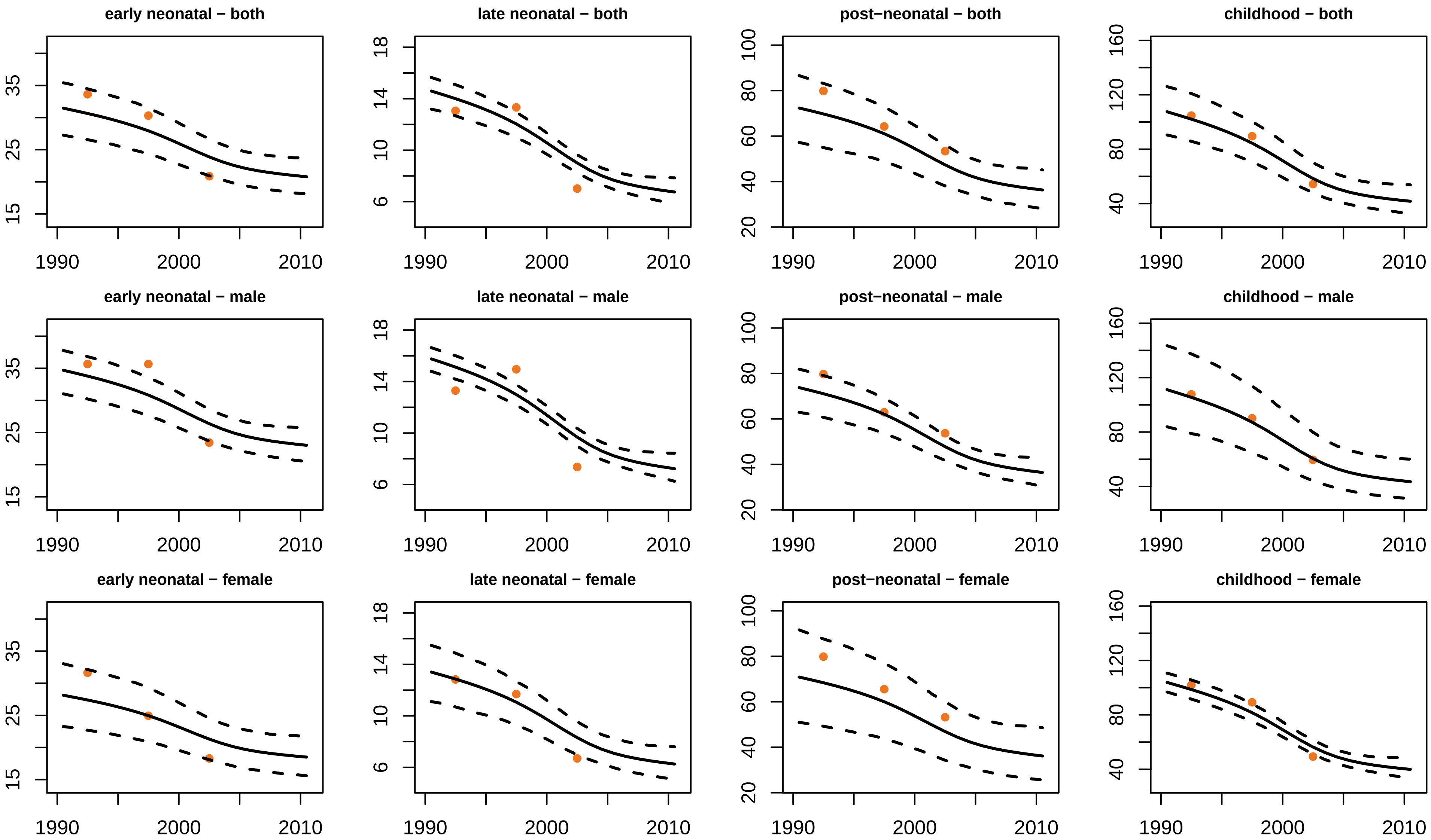
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


Madagascar − 5q0 estimates
vr
census
dhs
mics
other
indirect
direct
hh
180
160
140
120
100
80
60
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
50
100
150

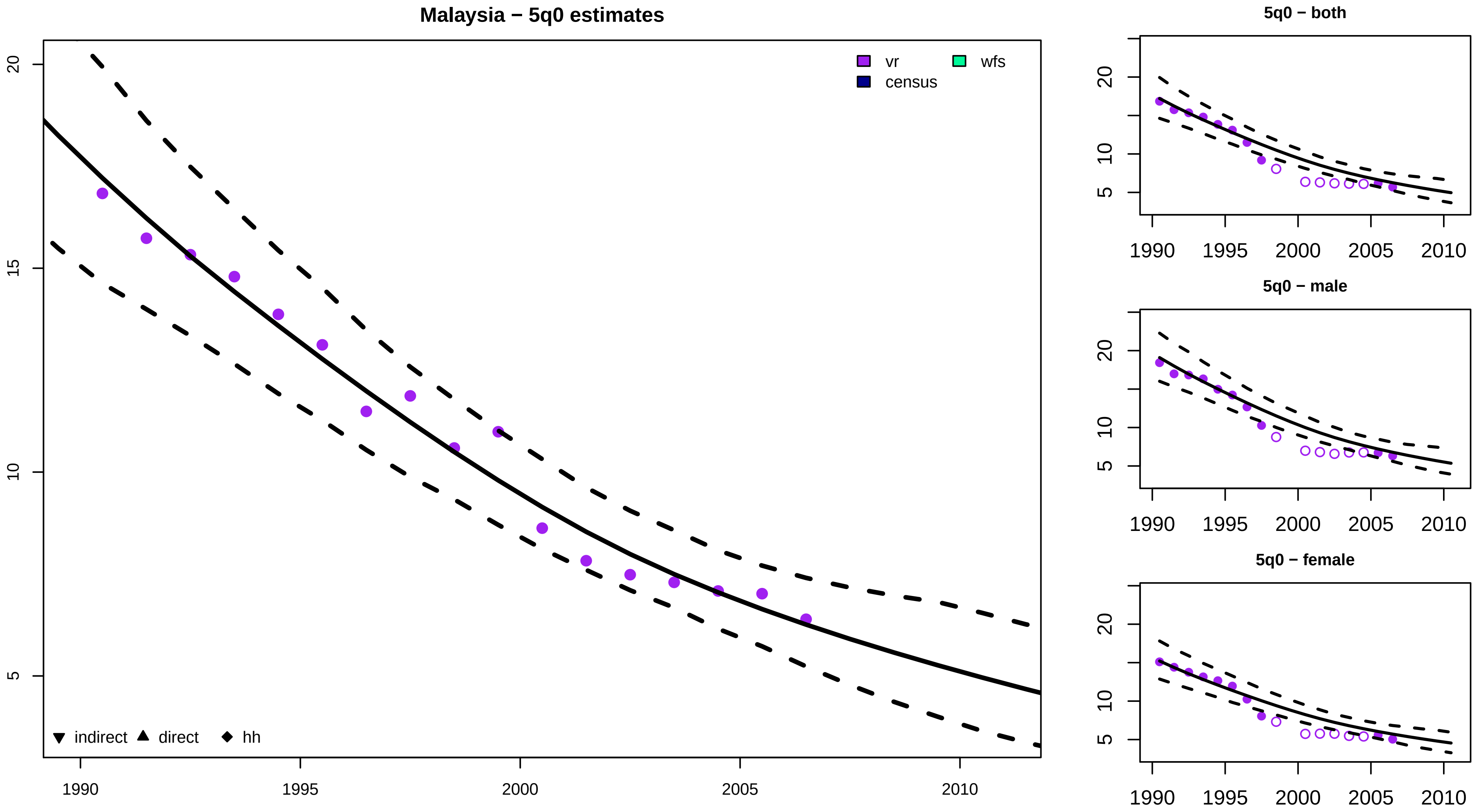

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



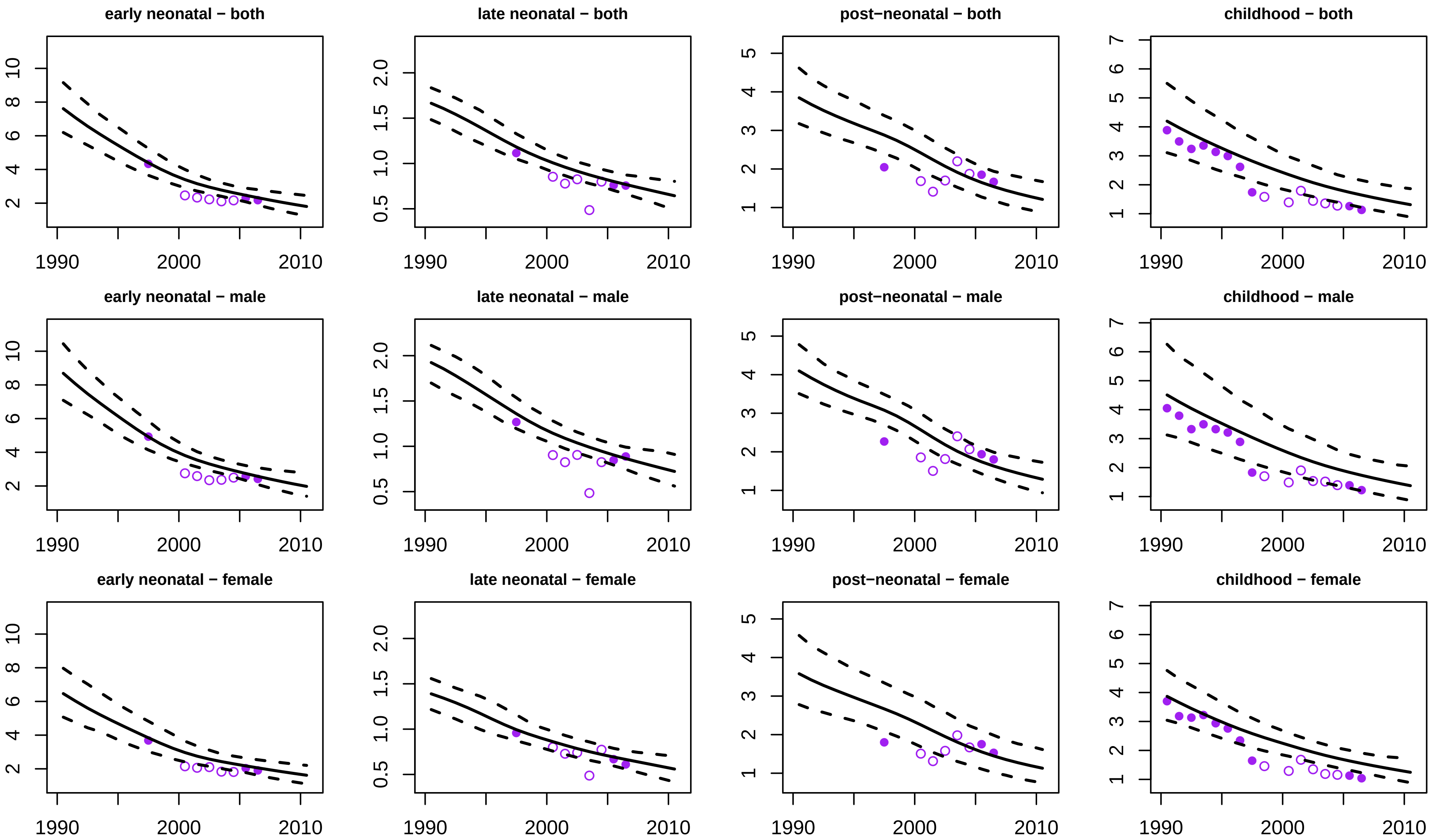
Malawi − 5q0 estimates
census
mics
dhs
other
indirect
direct
hh
300
250
200
150
100
50
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female



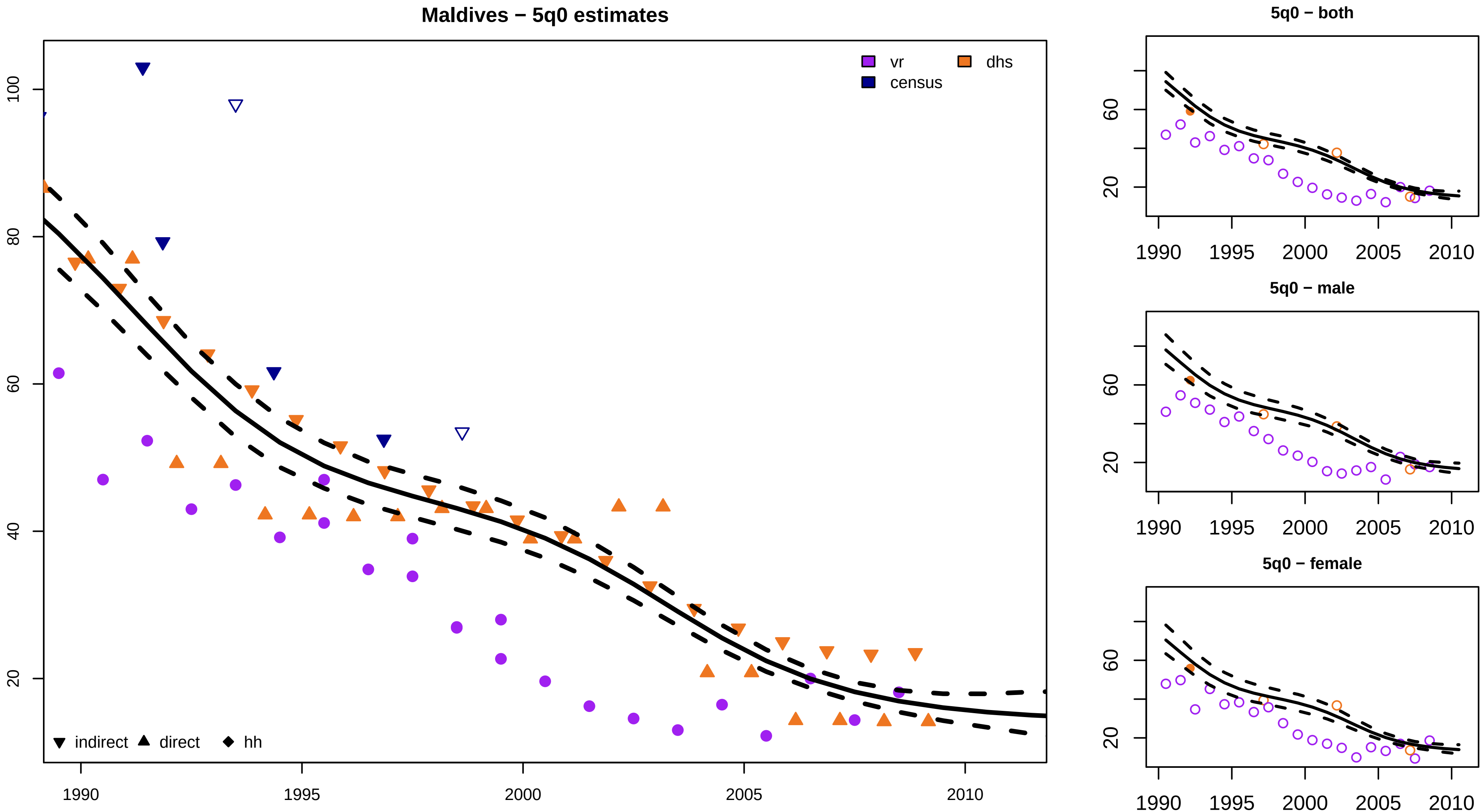
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



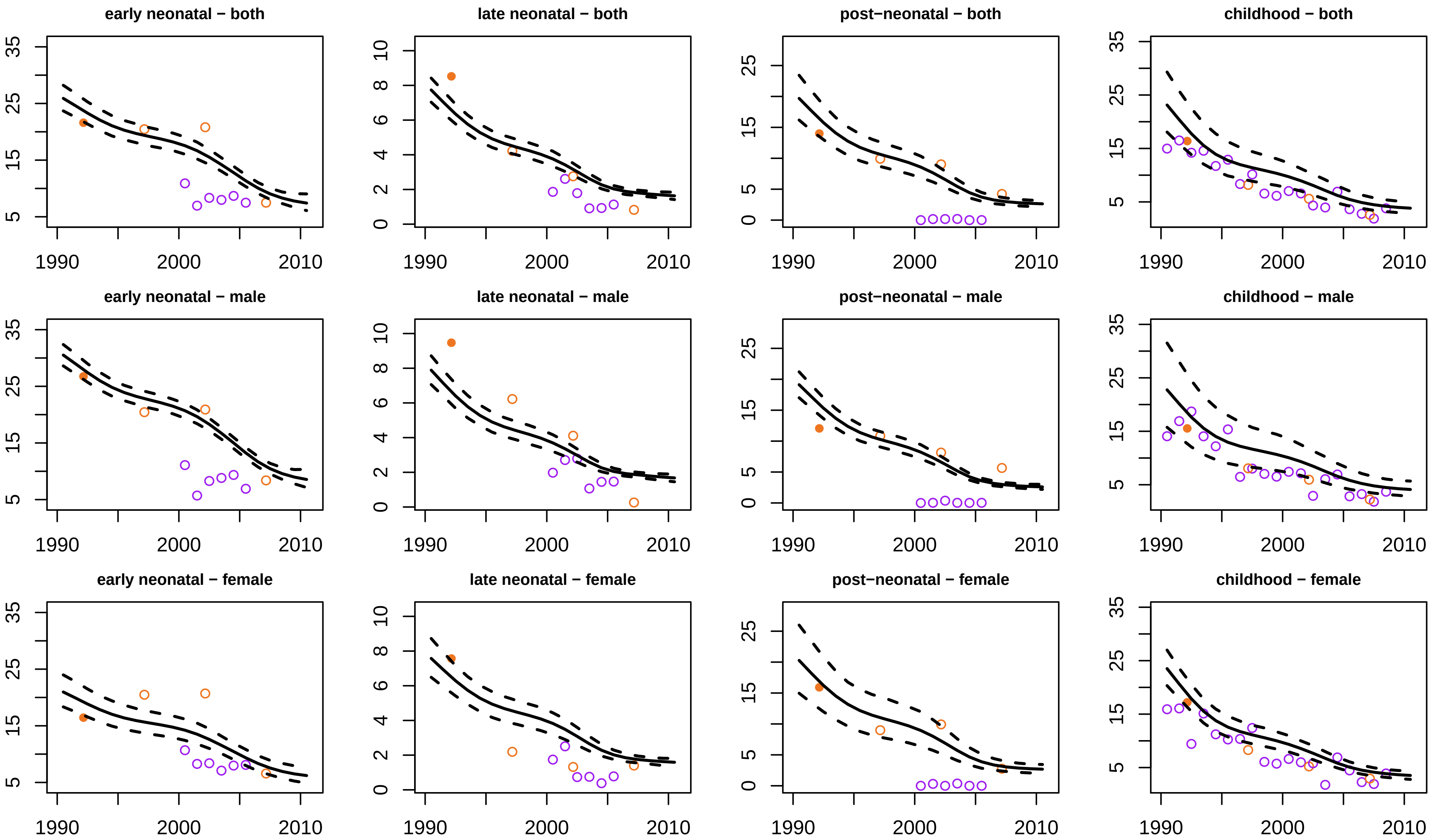
Malaysia − 5q0 estimates
vr
wfs
census
indirect
direct
hh
20
15
10
5
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female



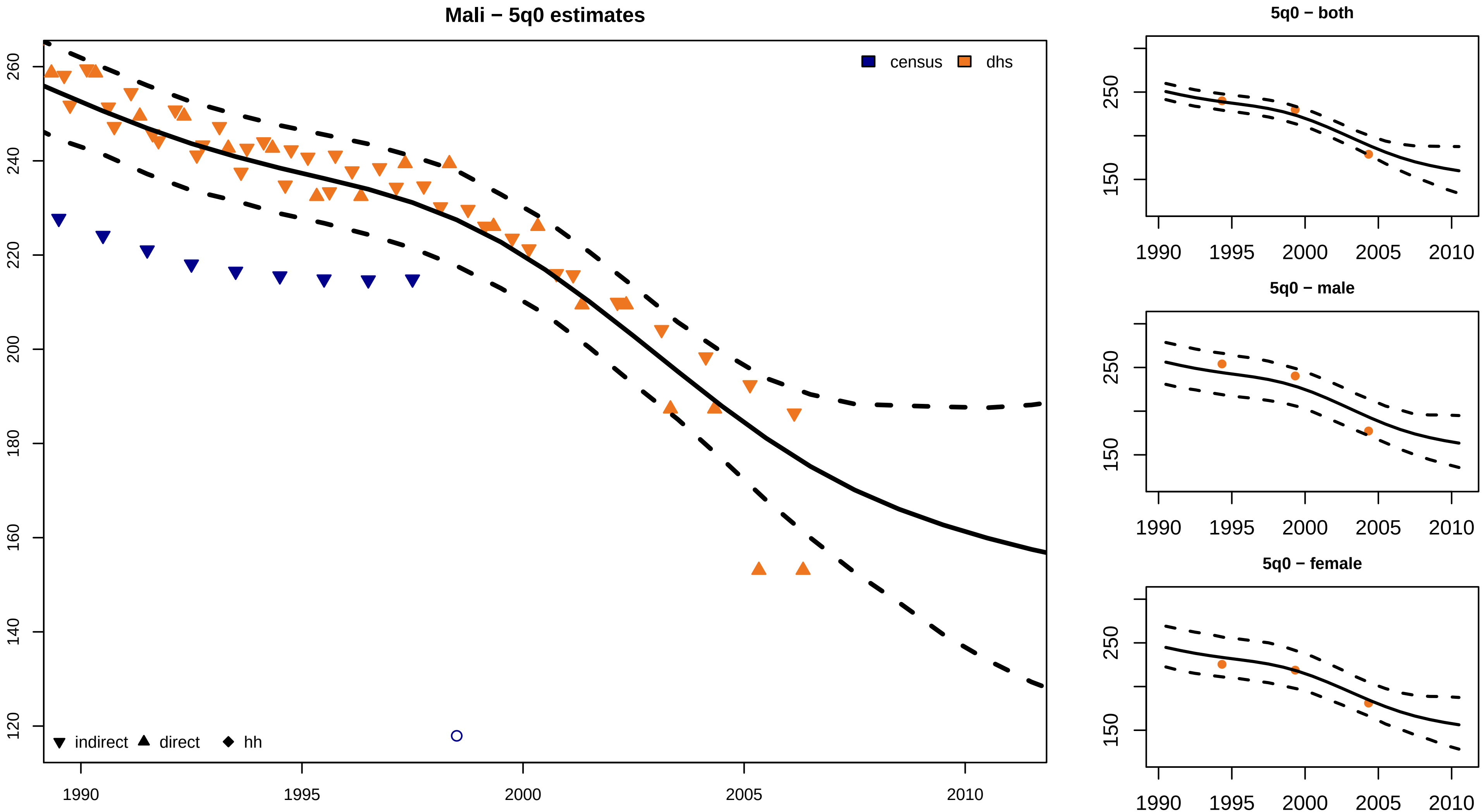
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



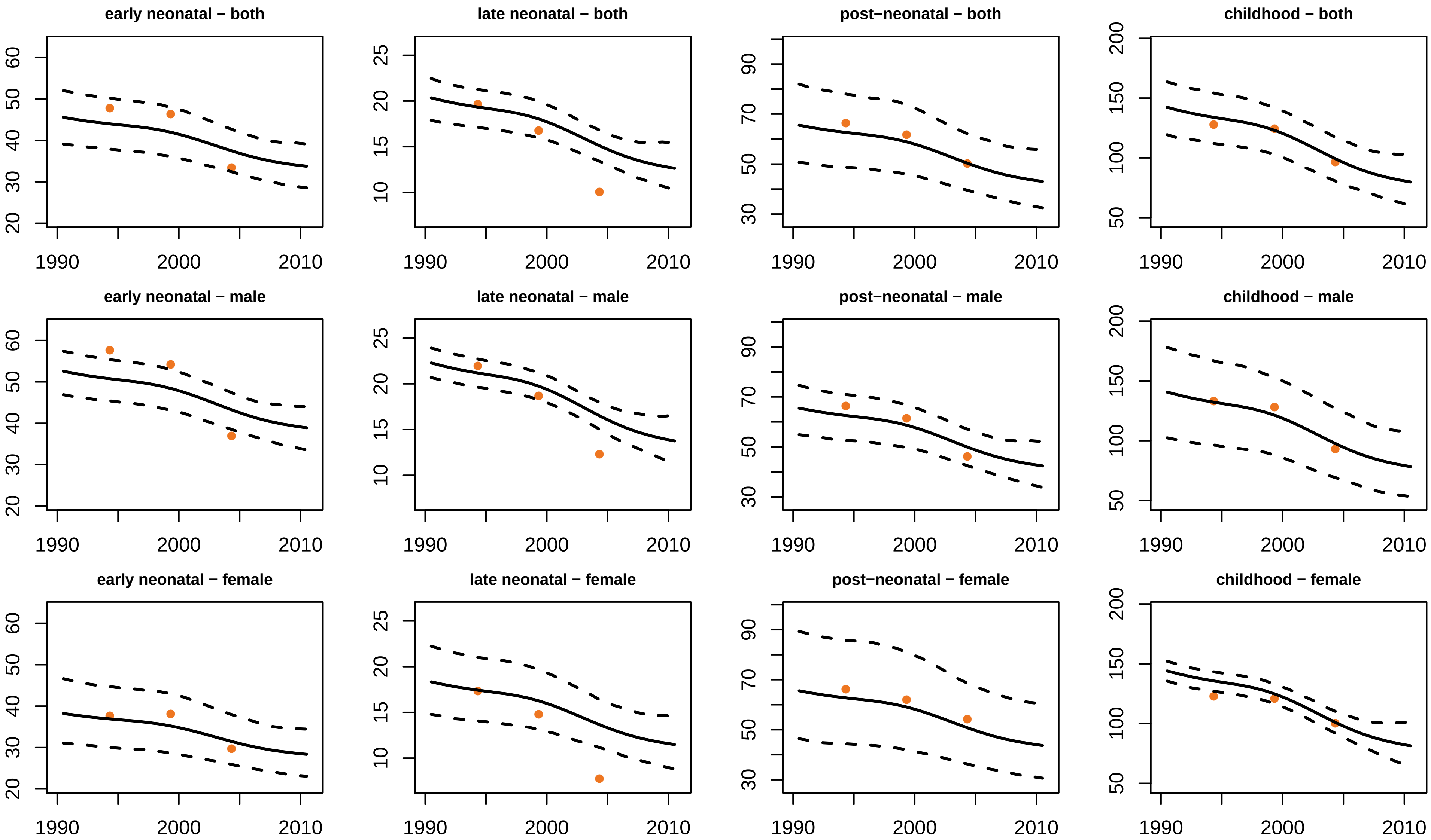
Maldives − 5q0 estimates
vr
dhs
census
indirect
direct
hh
100
80
60
40
20
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
60
20

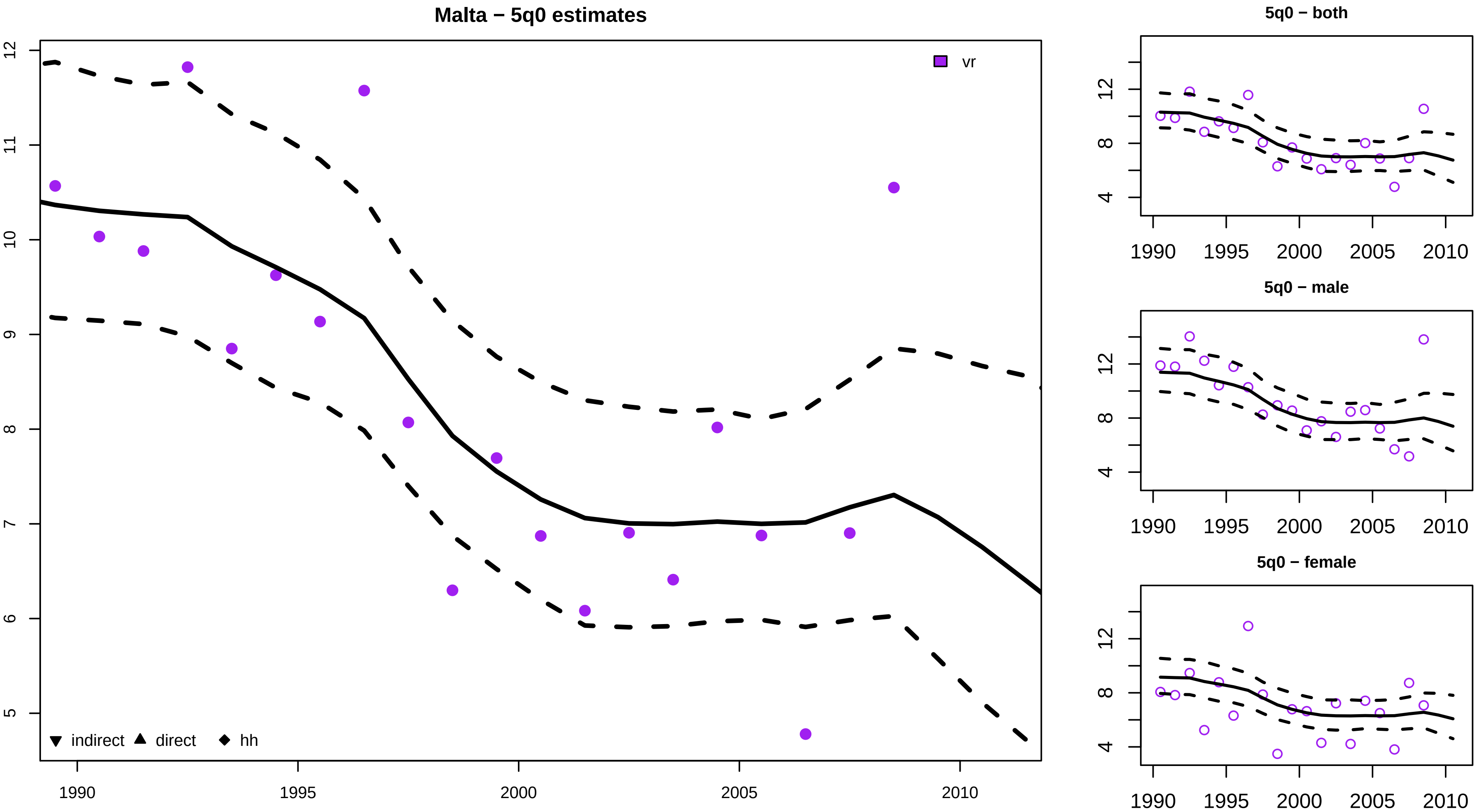


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

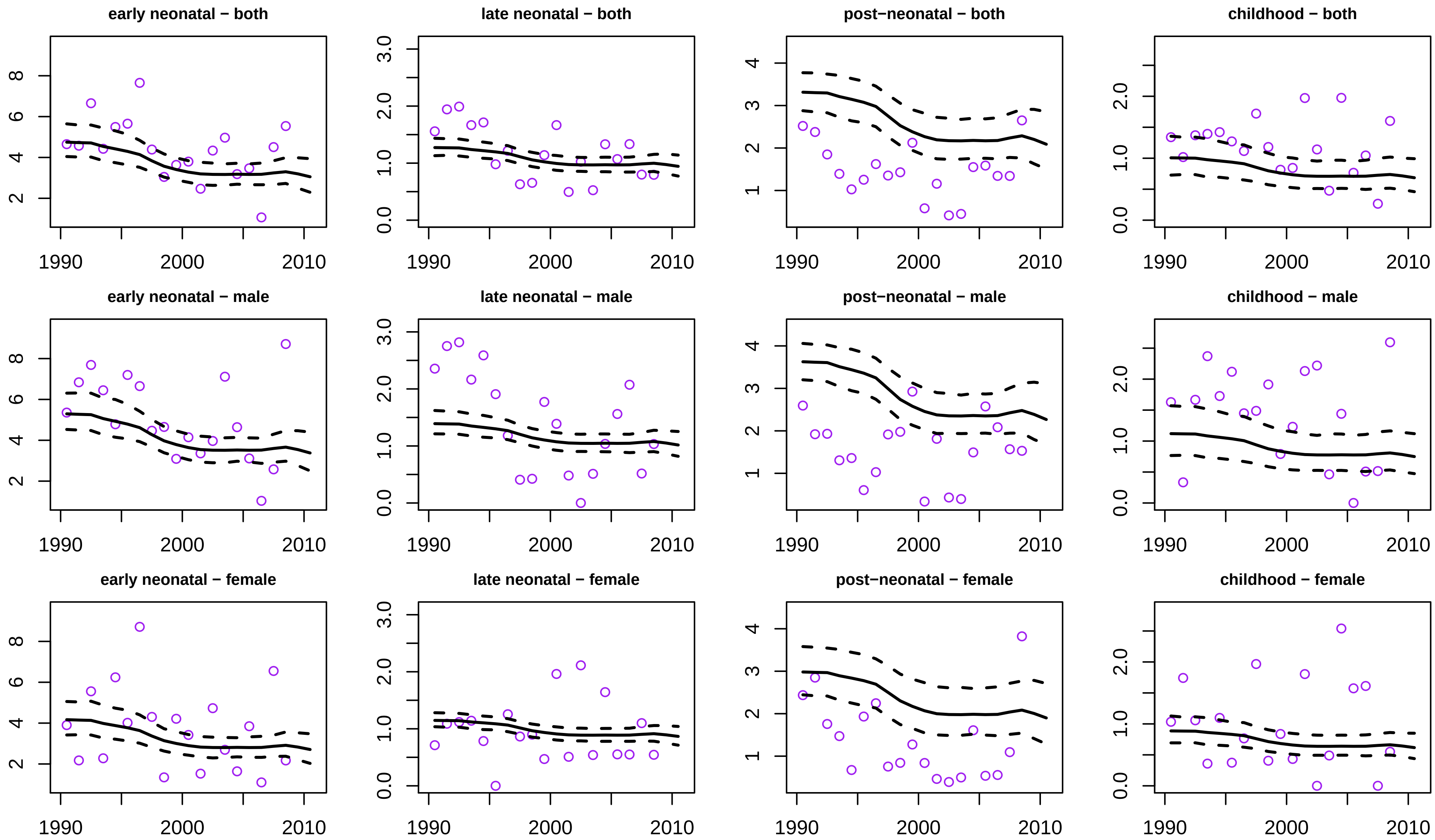


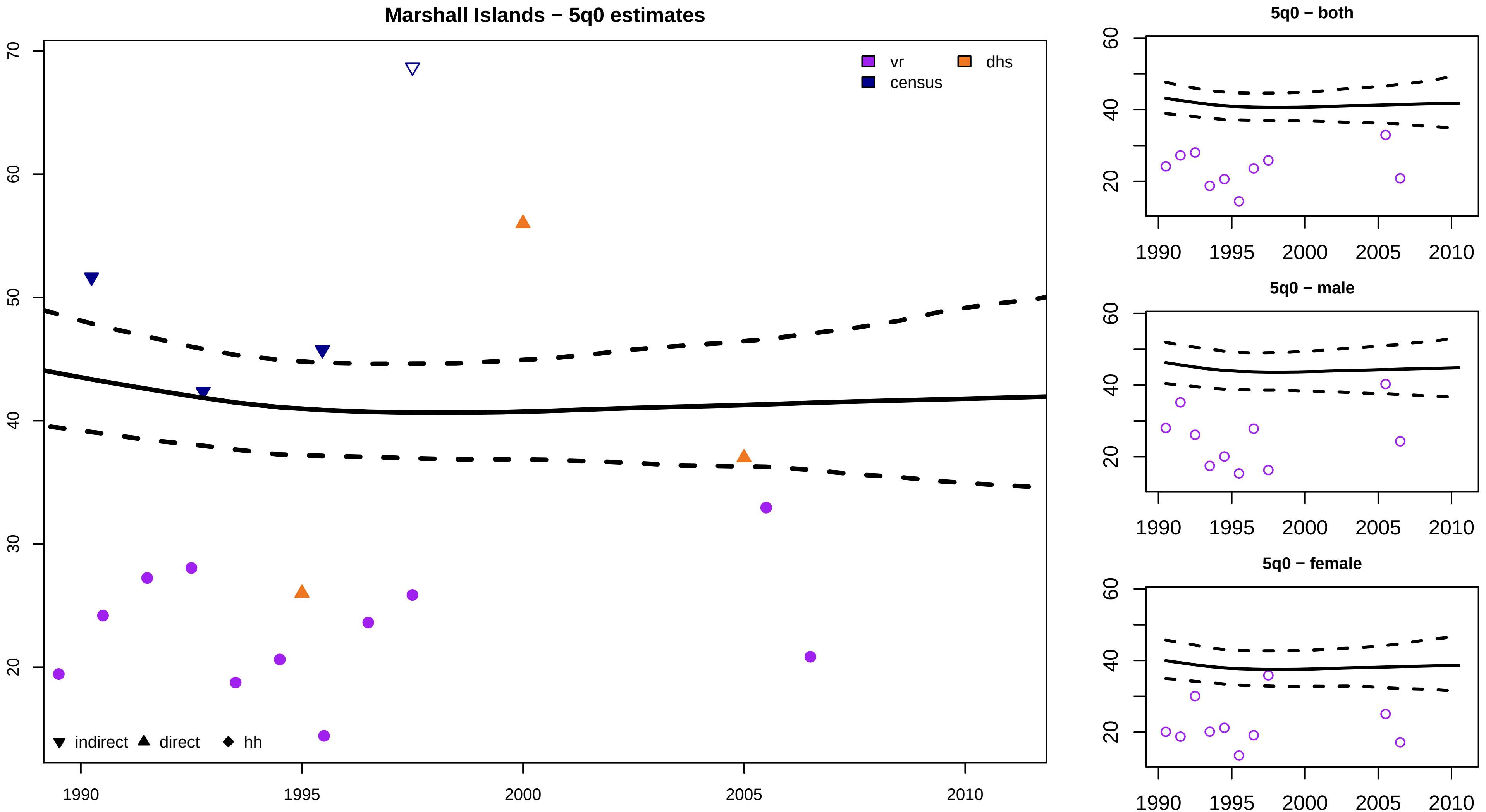
Mali – 5q0 estimates
census
dhs
indirect
direct
hh
260
240
220
200
180
160
140
120
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
250
150


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

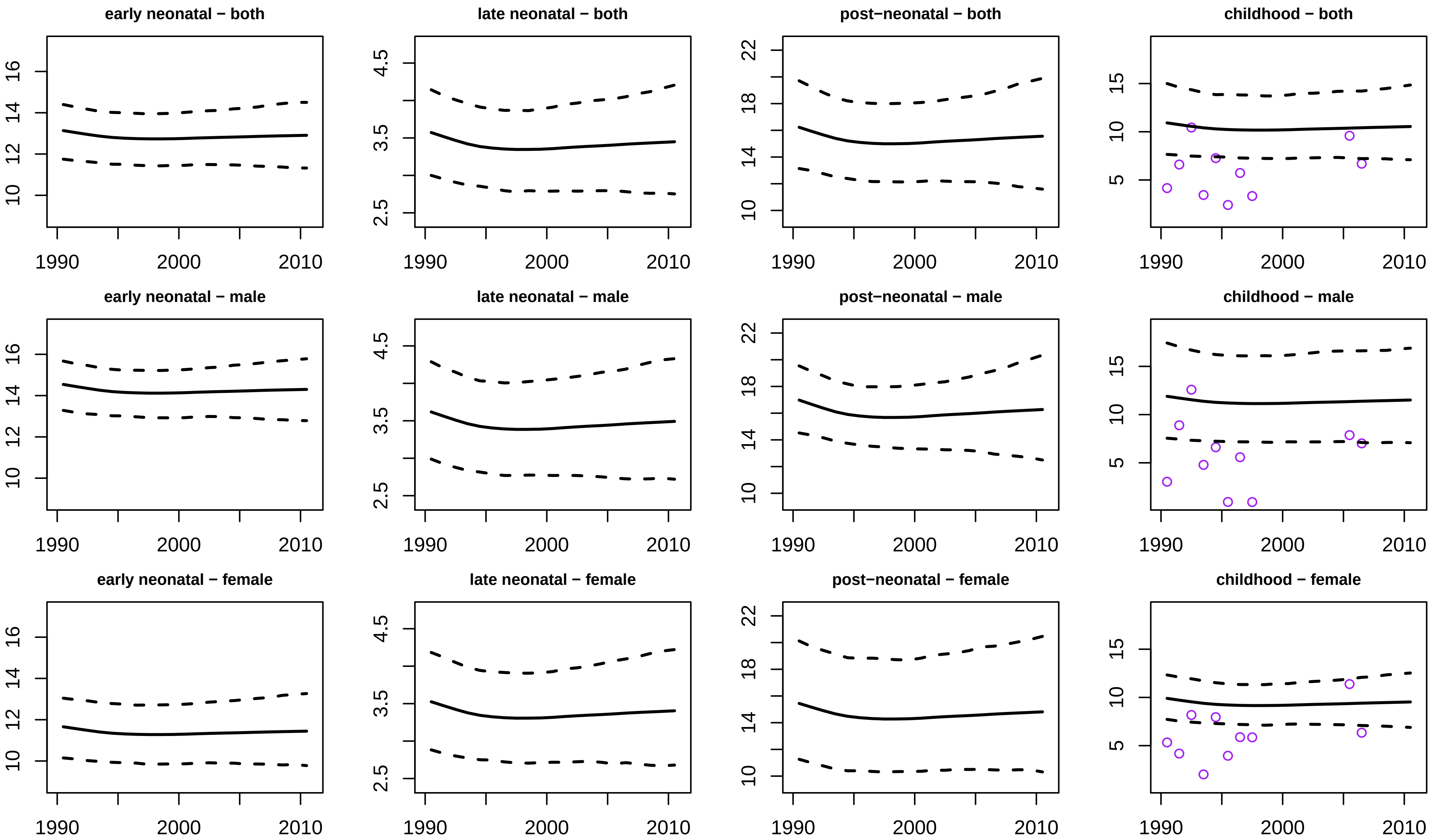


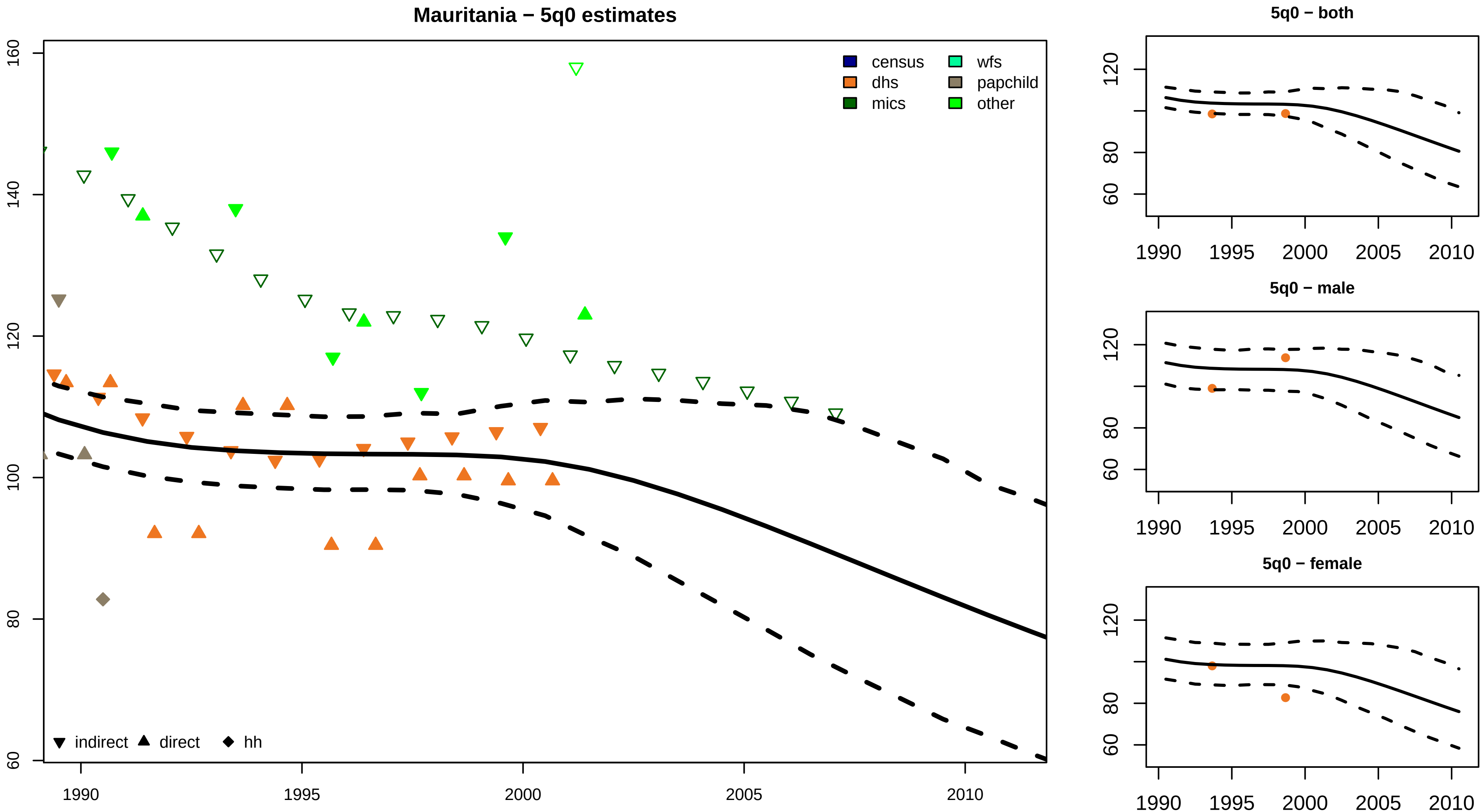
Malta − 5q0 estimates
vr
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

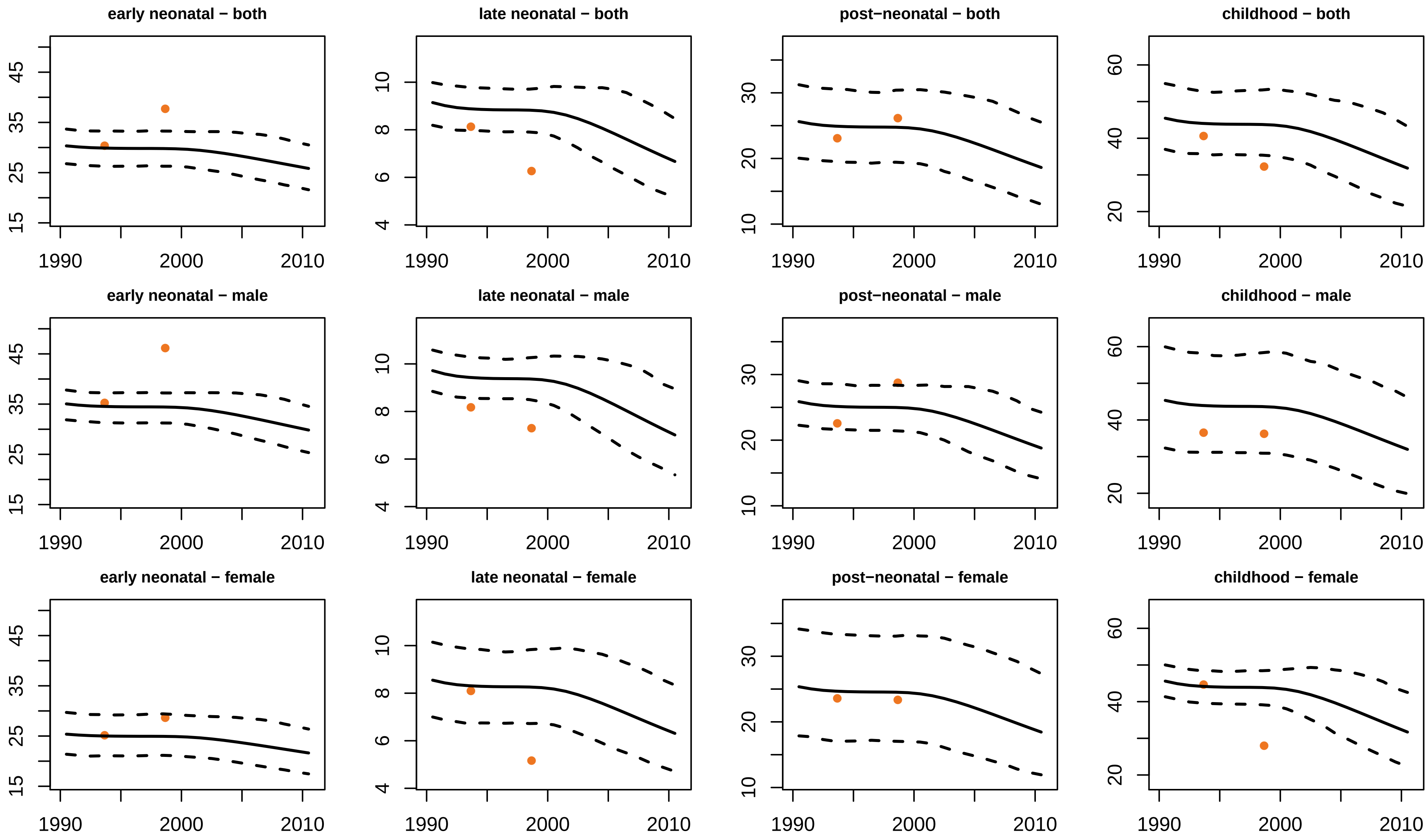


Marshall Islands − 5q0 estimates
vr
dhs
census
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female

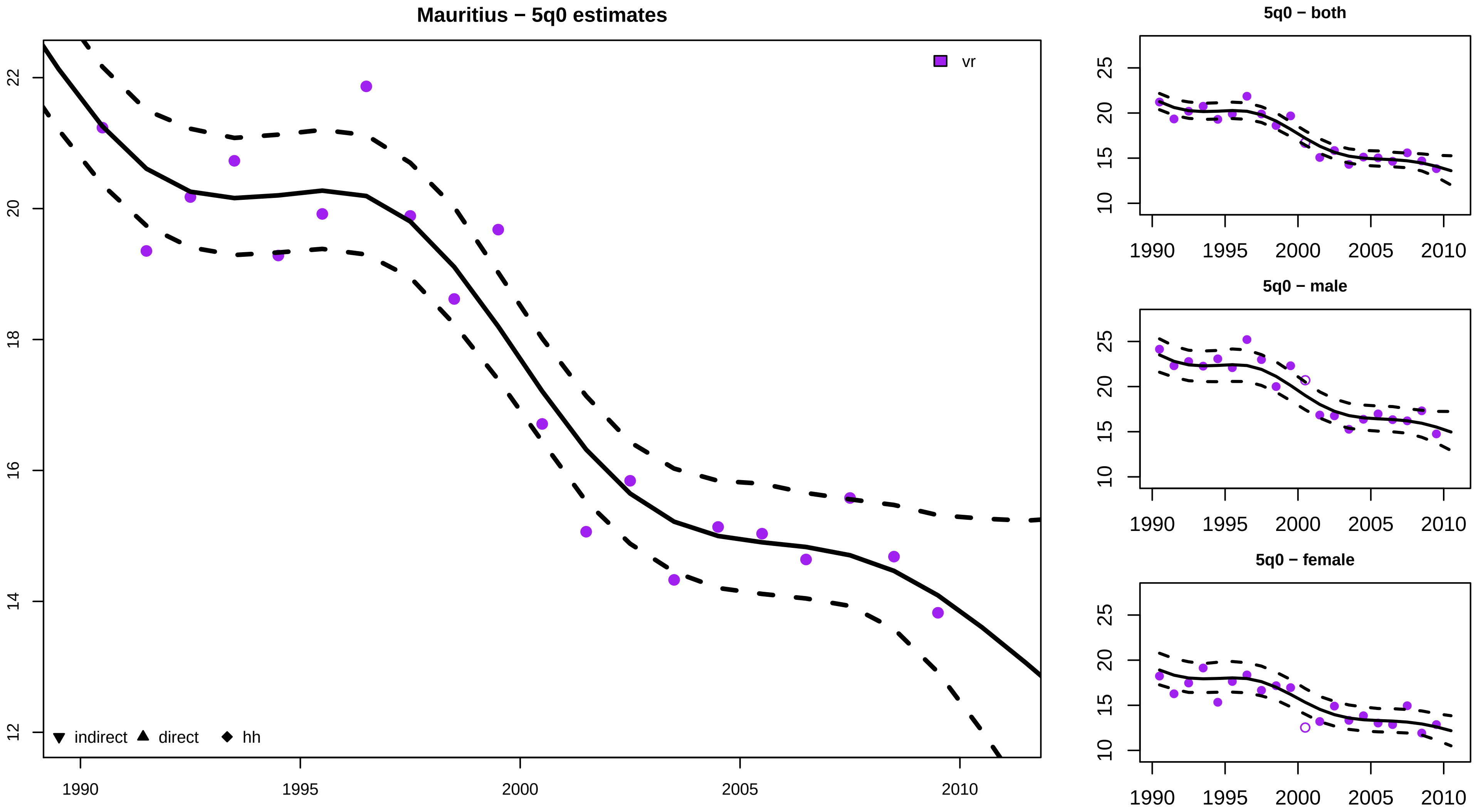

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
10
12
14
16
2.5
3.5
4.5
18
22
5
15

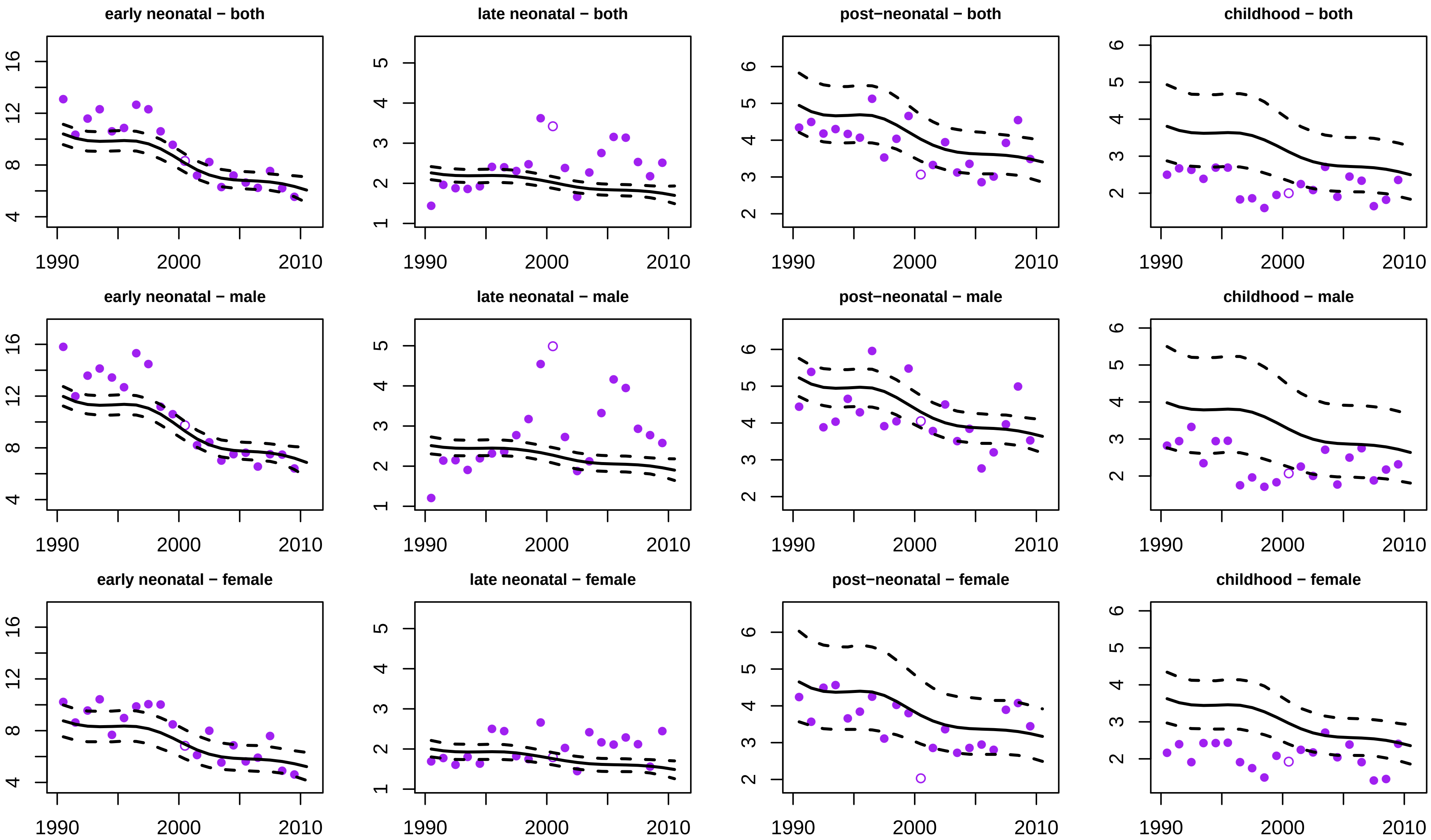


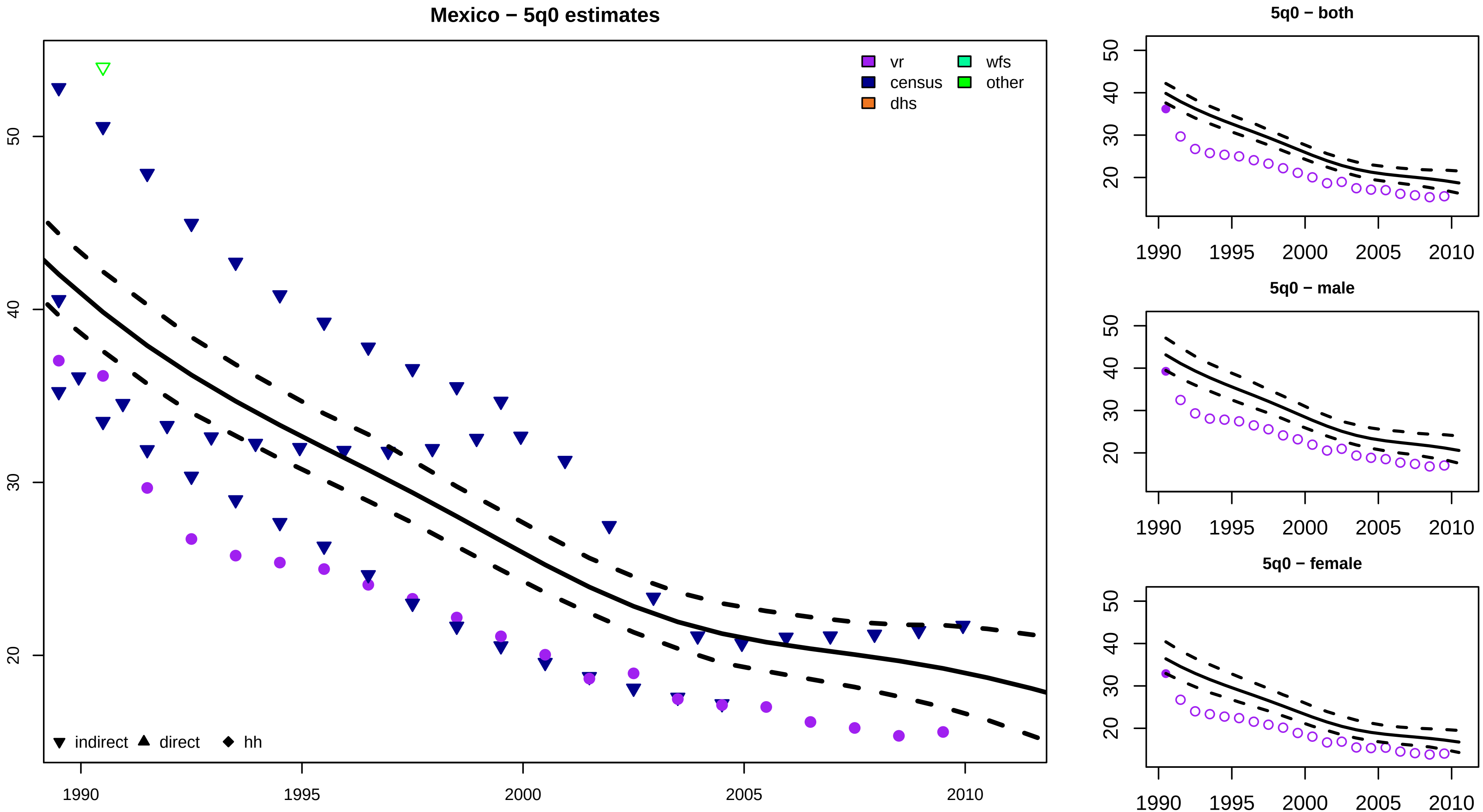
Mauritania – 5q0 estimates
census
dhs
mics
wfs
papchild
other
indirect
direct
hh
5q0 – both
5q0 – male
5q0 – female



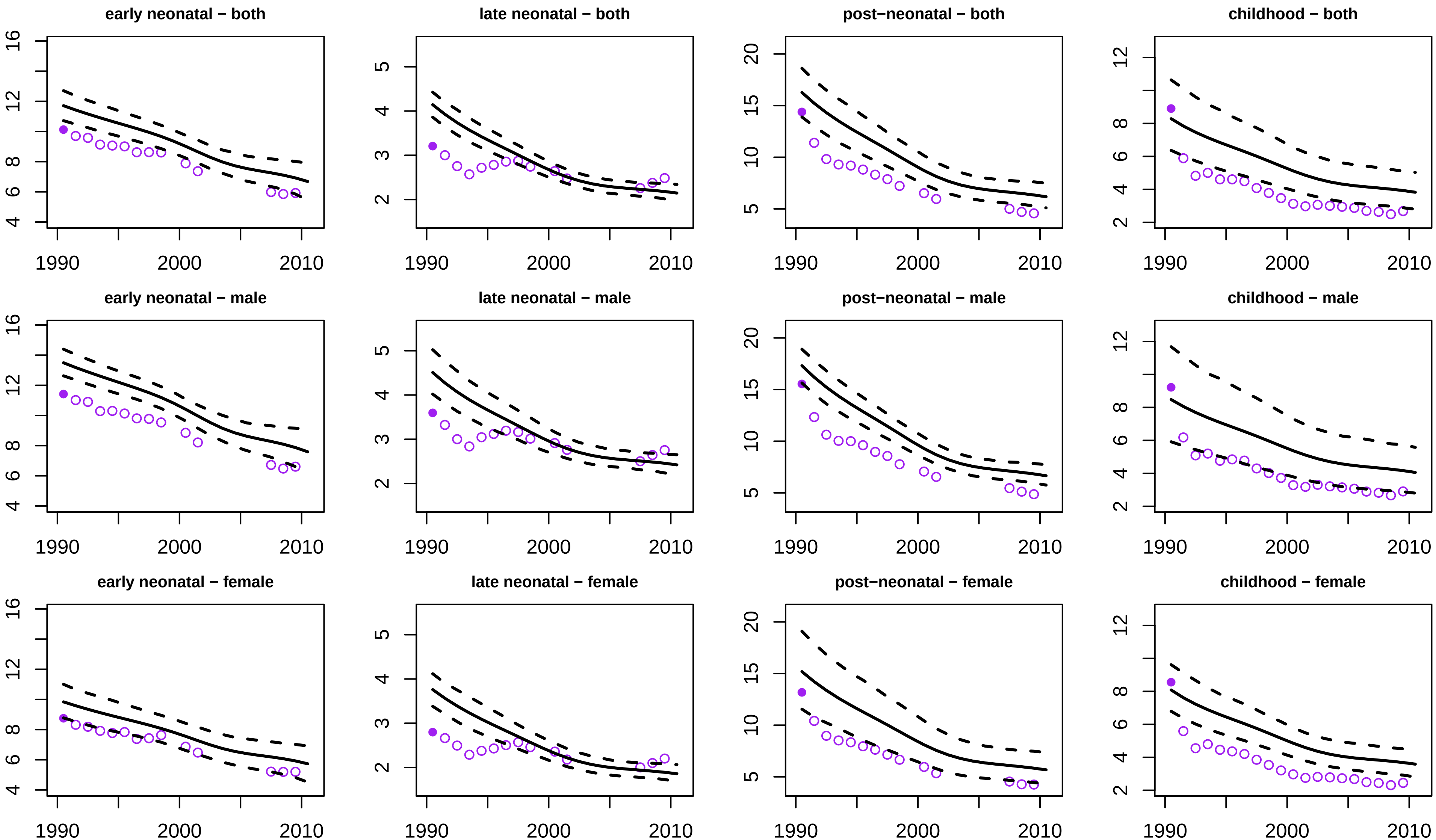
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
15
25
35
45
4
6
8
10
10
20
30
20
40
60


Mauritius − 5q0 estimates
vr
indirect
direct
hh
22
20
18
16
14
12
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
10
15
20
25

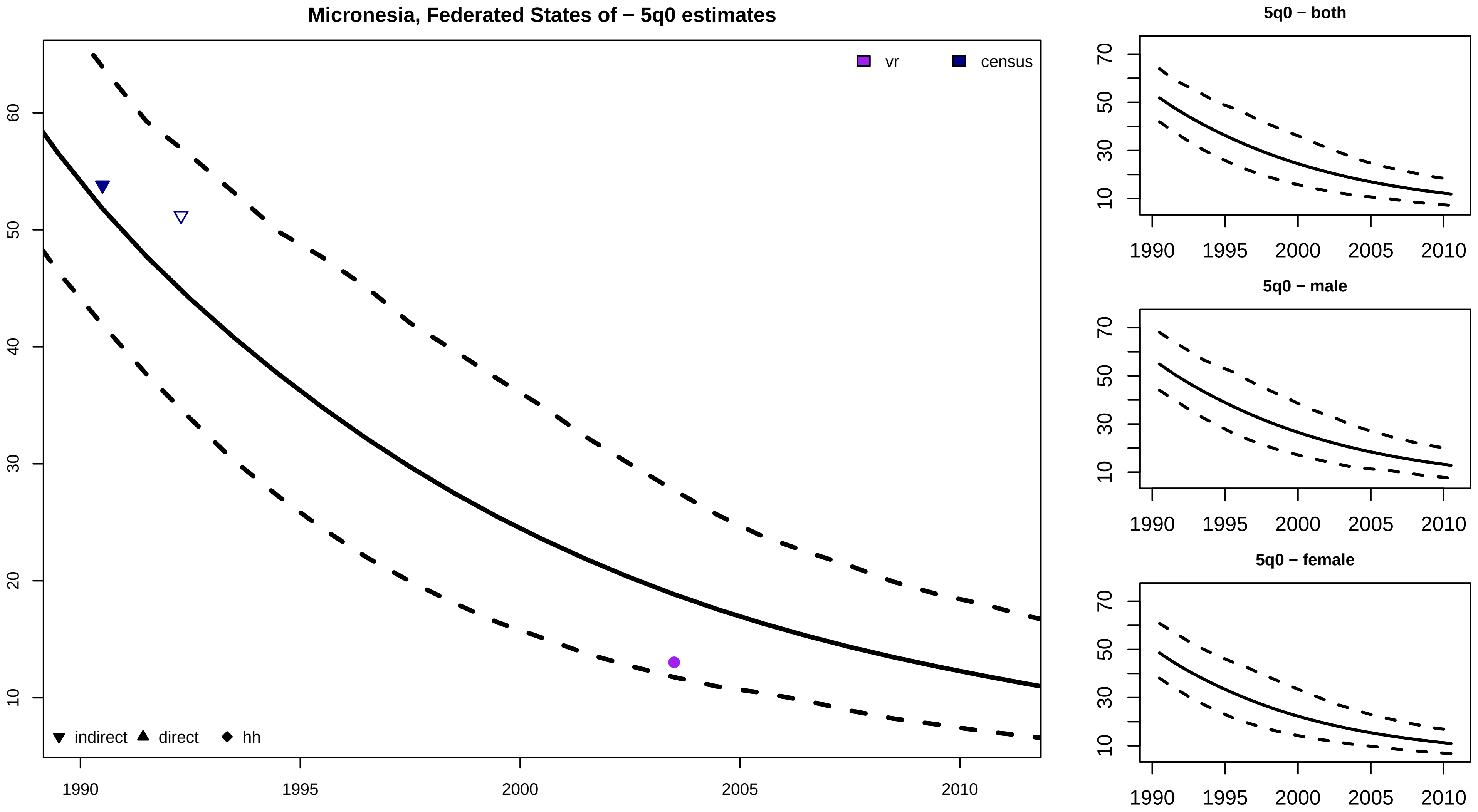

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

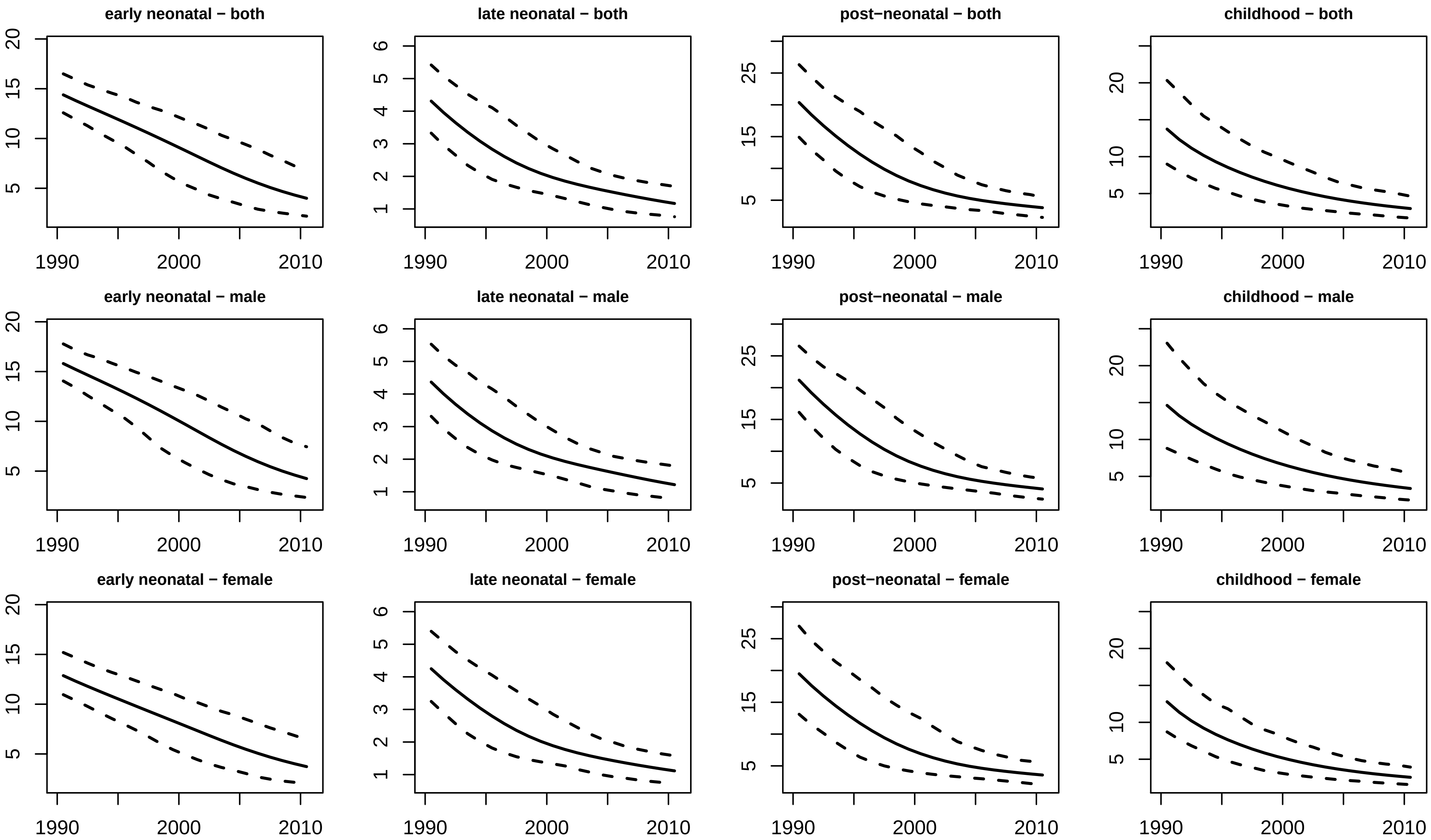


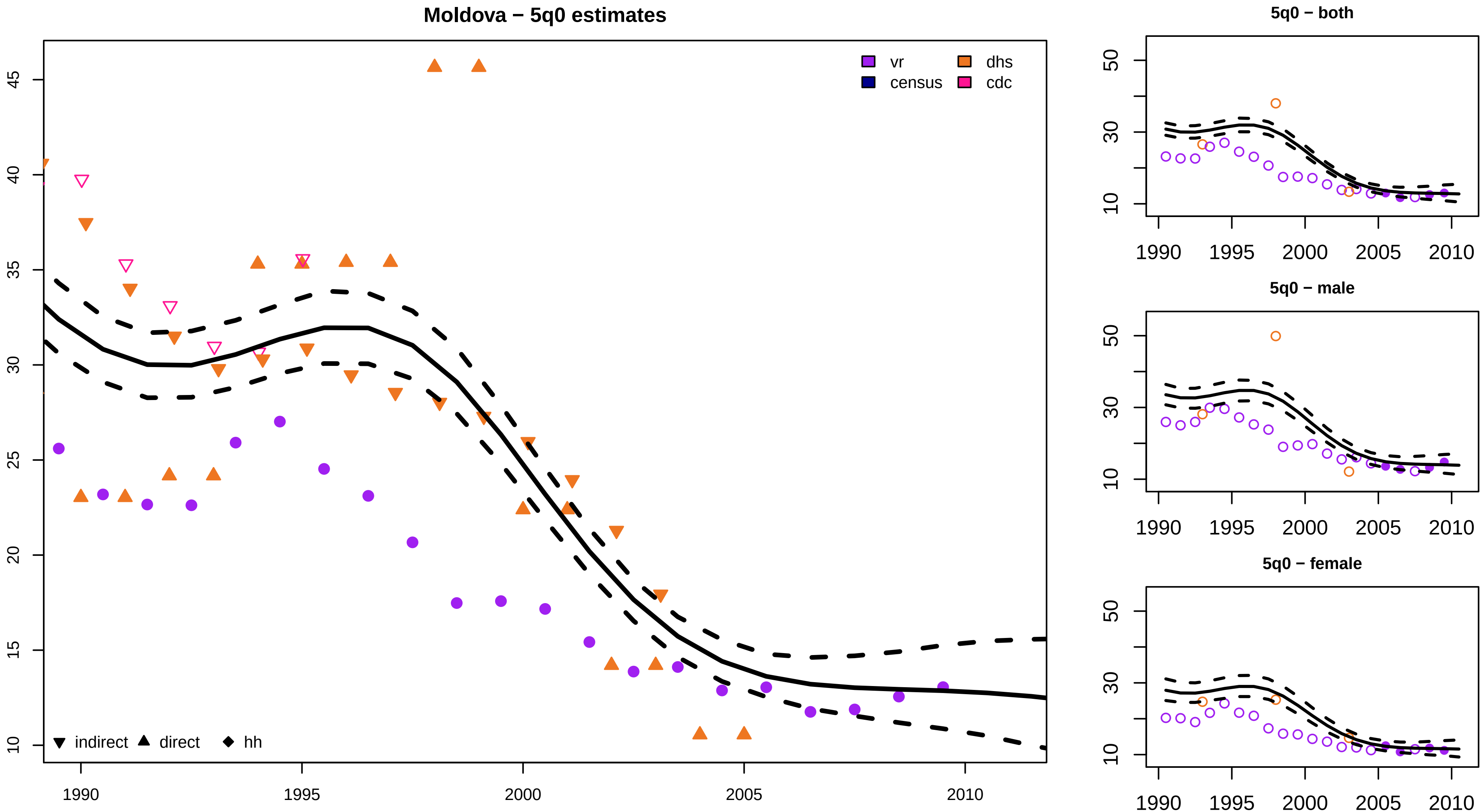
Mexico − 5q0 estimates
vr
census
dhs
wfs
other
indirect
direct
hh
20
30
40
50
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female



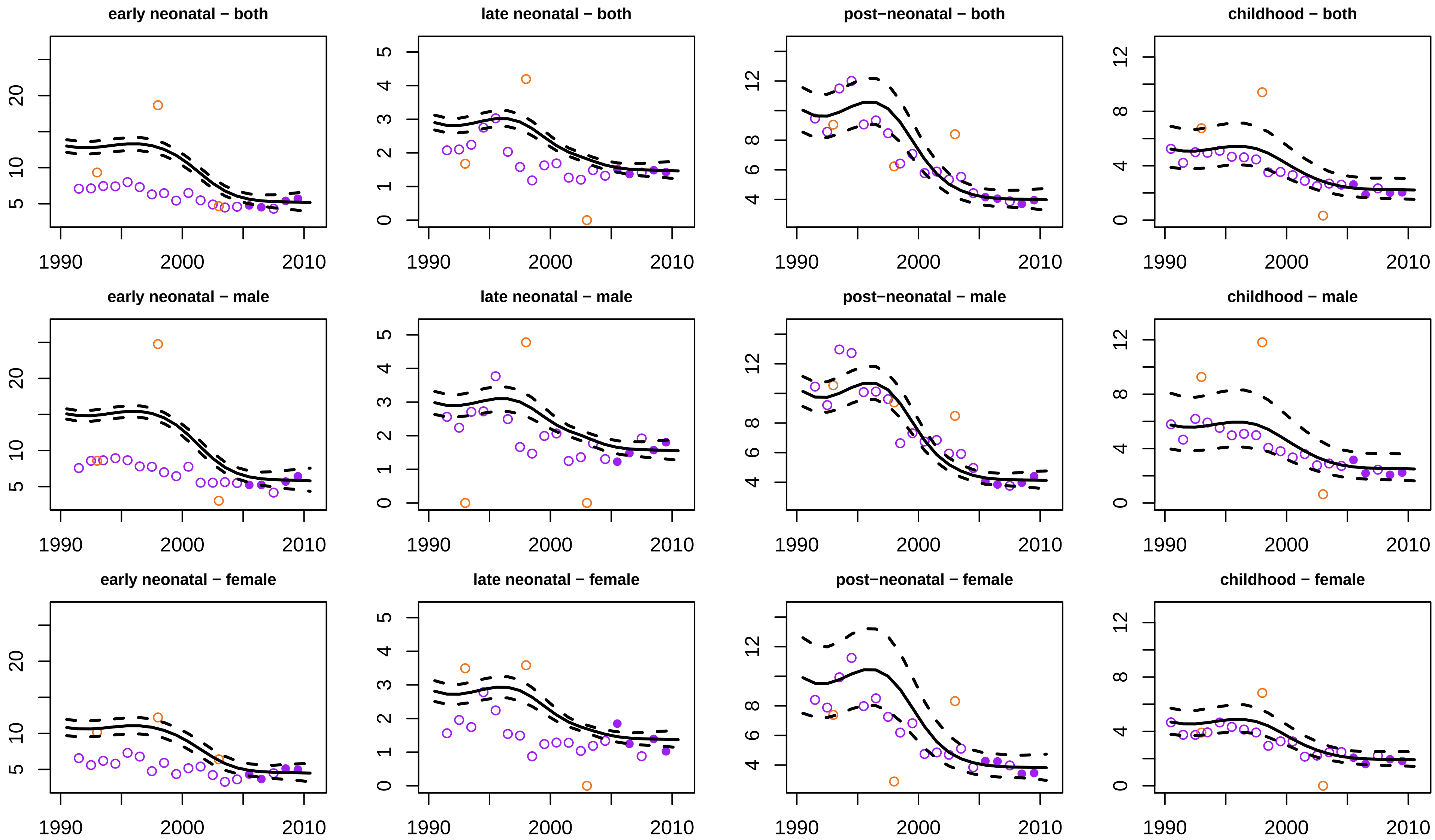
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


Micronesia, Federated States of – 5q0 estimates
vr
census
indirect
direct
hh
10
20
30
40
50
60
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
70

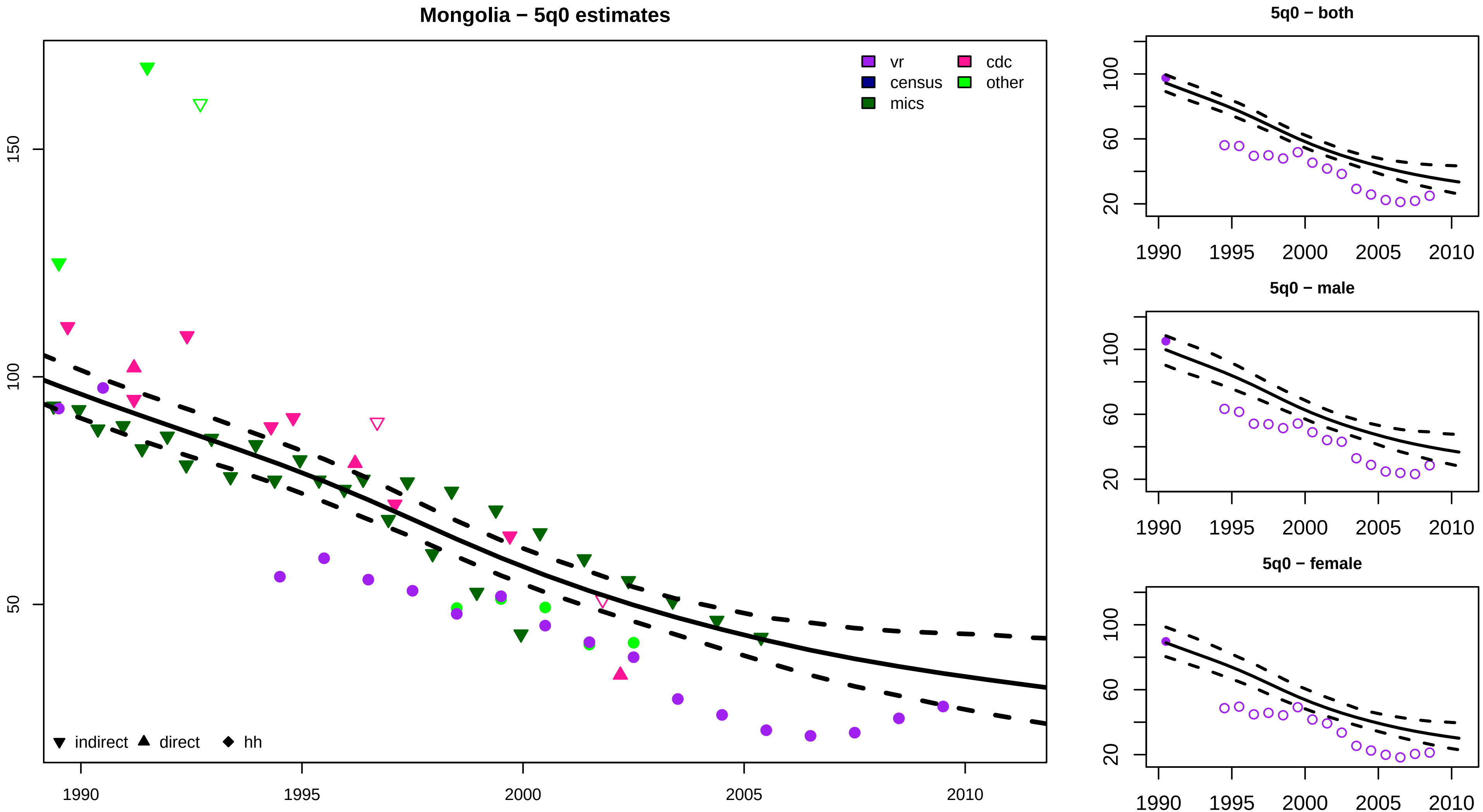

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



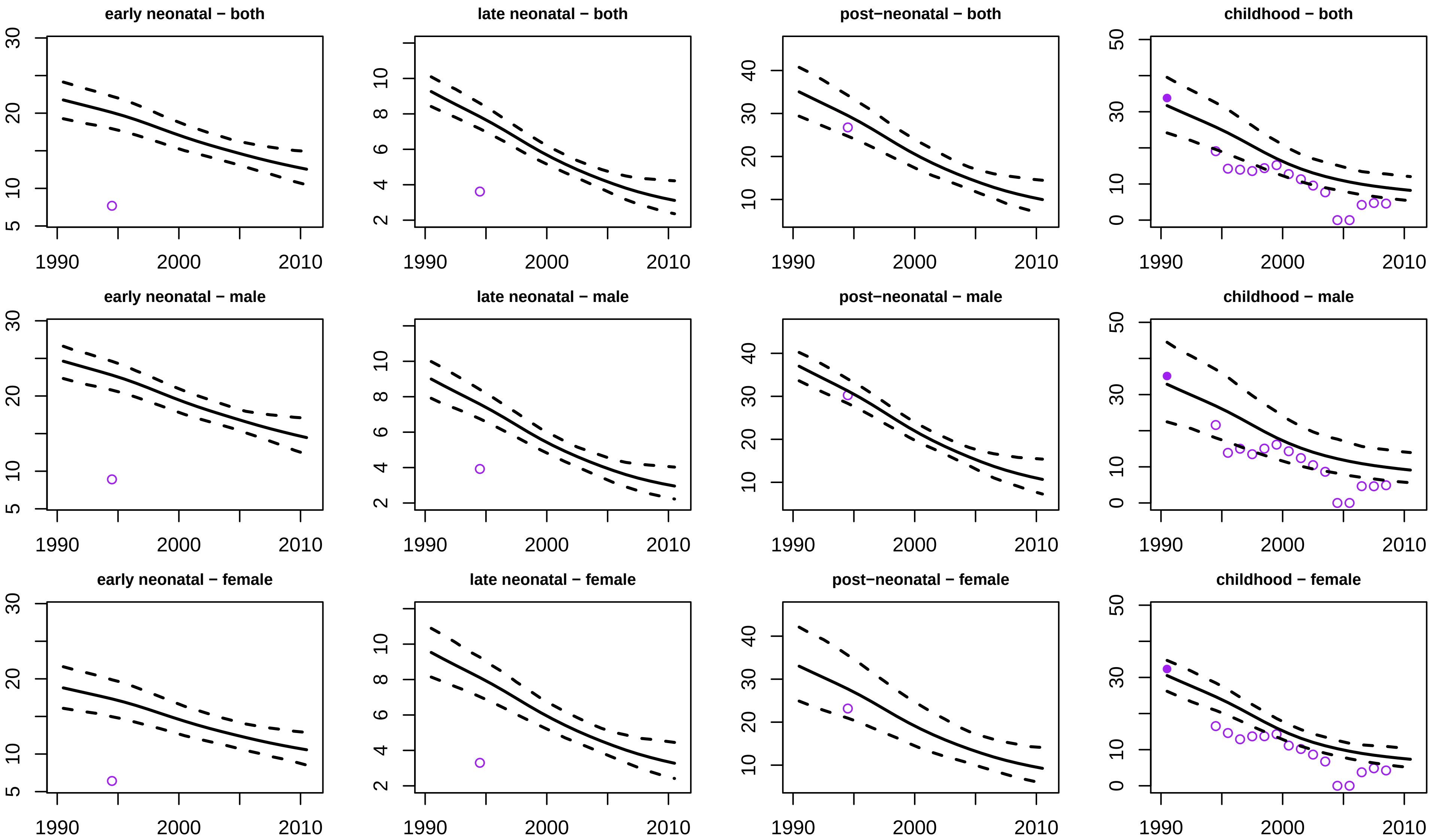
Moldova − 5q0 estimates
vr
census
dhs
cdc
indirect
direct
hh
45
40
35
30
25
20
15
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
50
30
10



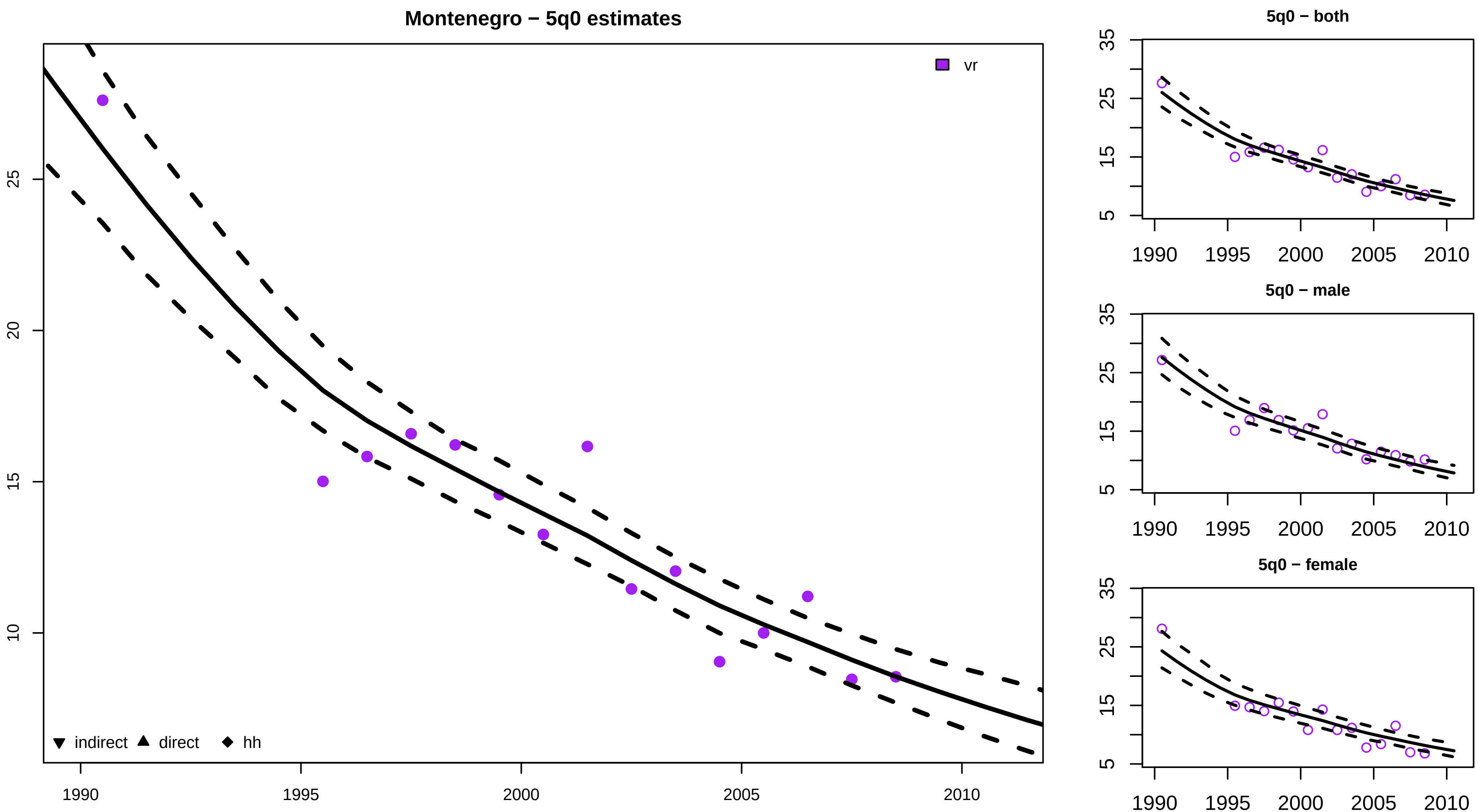
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

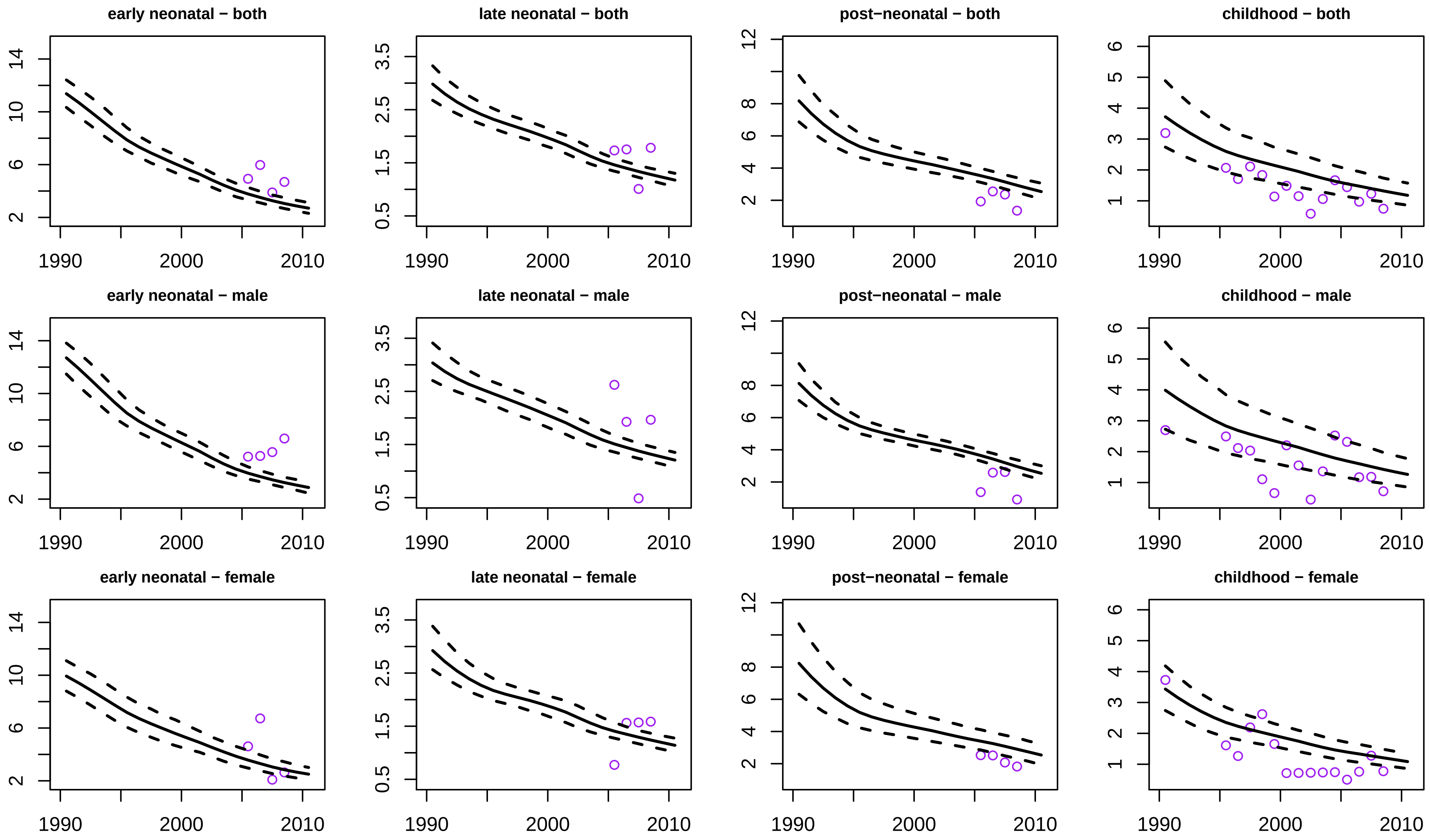


Mongolia – 5q0 estimates
vr
census
mics
cdc
other
indirect
direct
hh
150
100
50
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
100
60
20

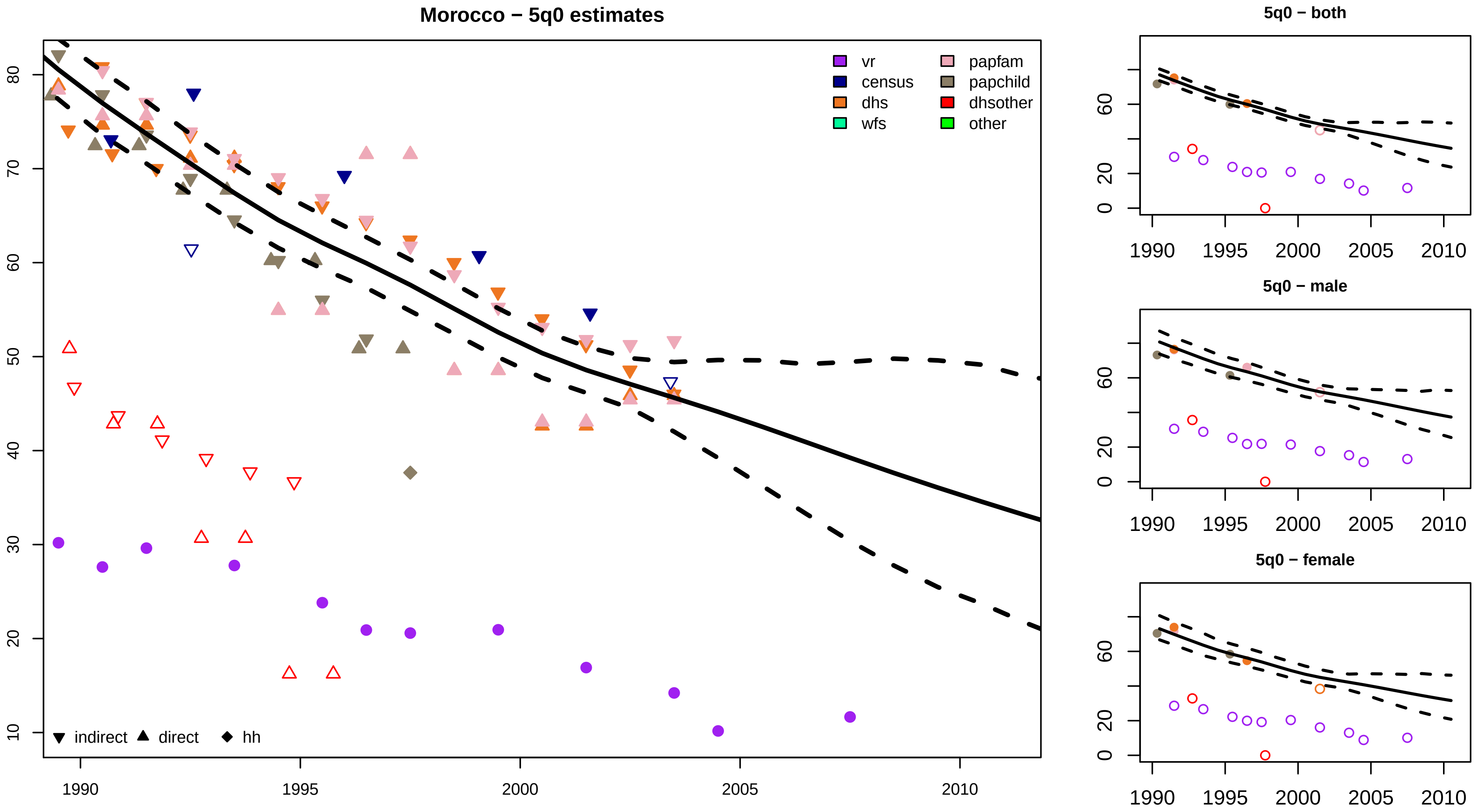


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

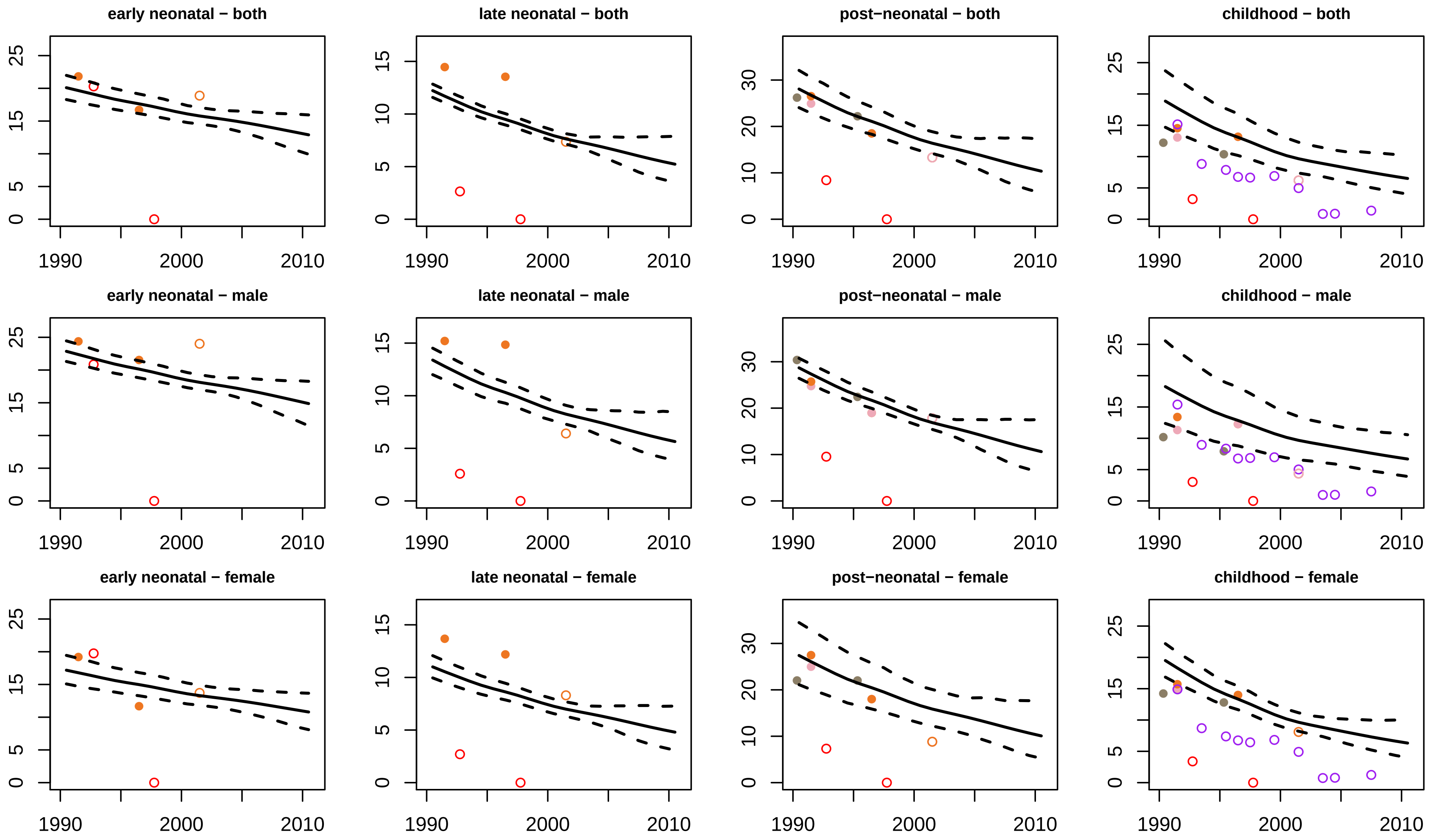

Montenegro − 5q0 estimates
vr
indirect
direct
hh
25
20
15
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
35
25
15
5

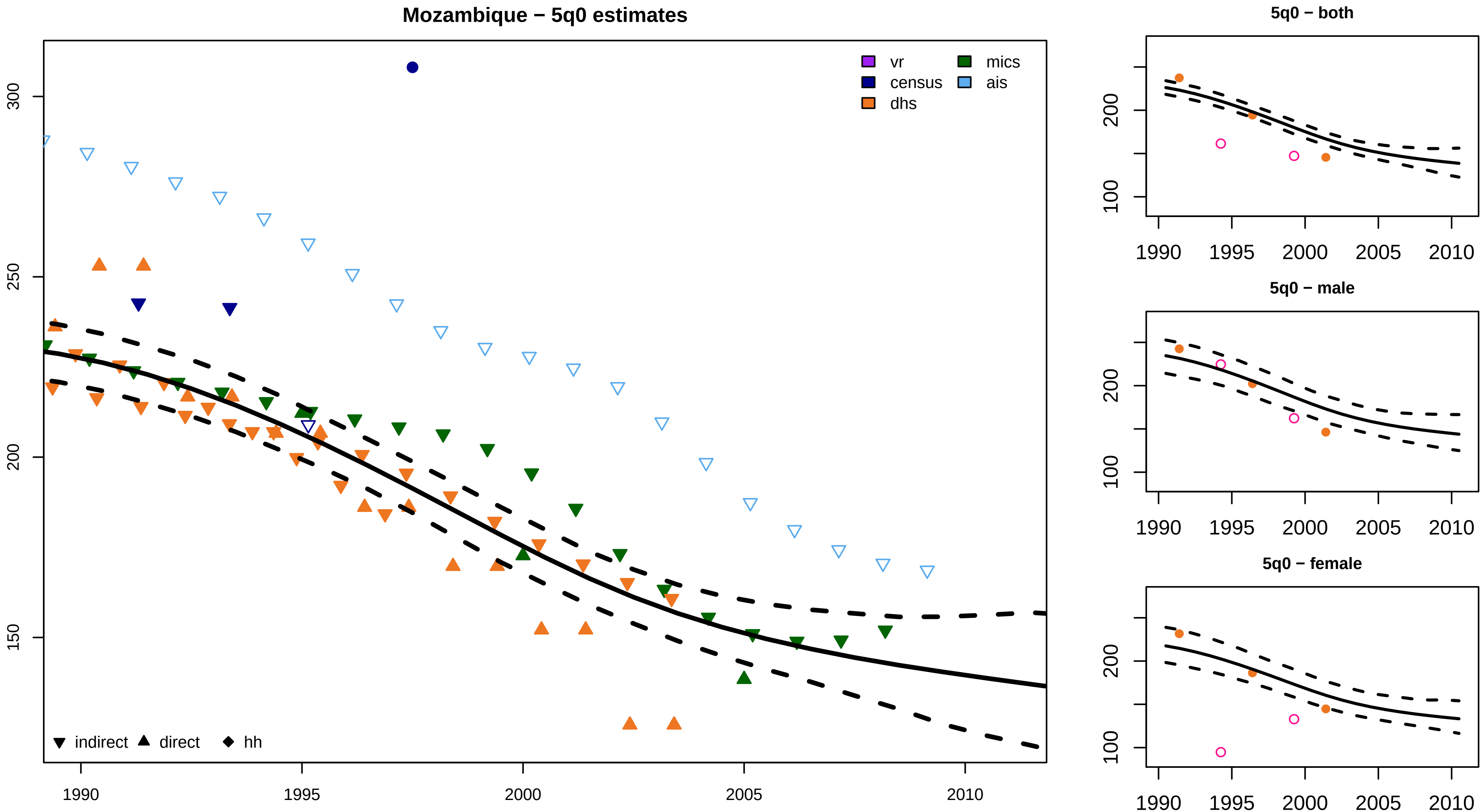


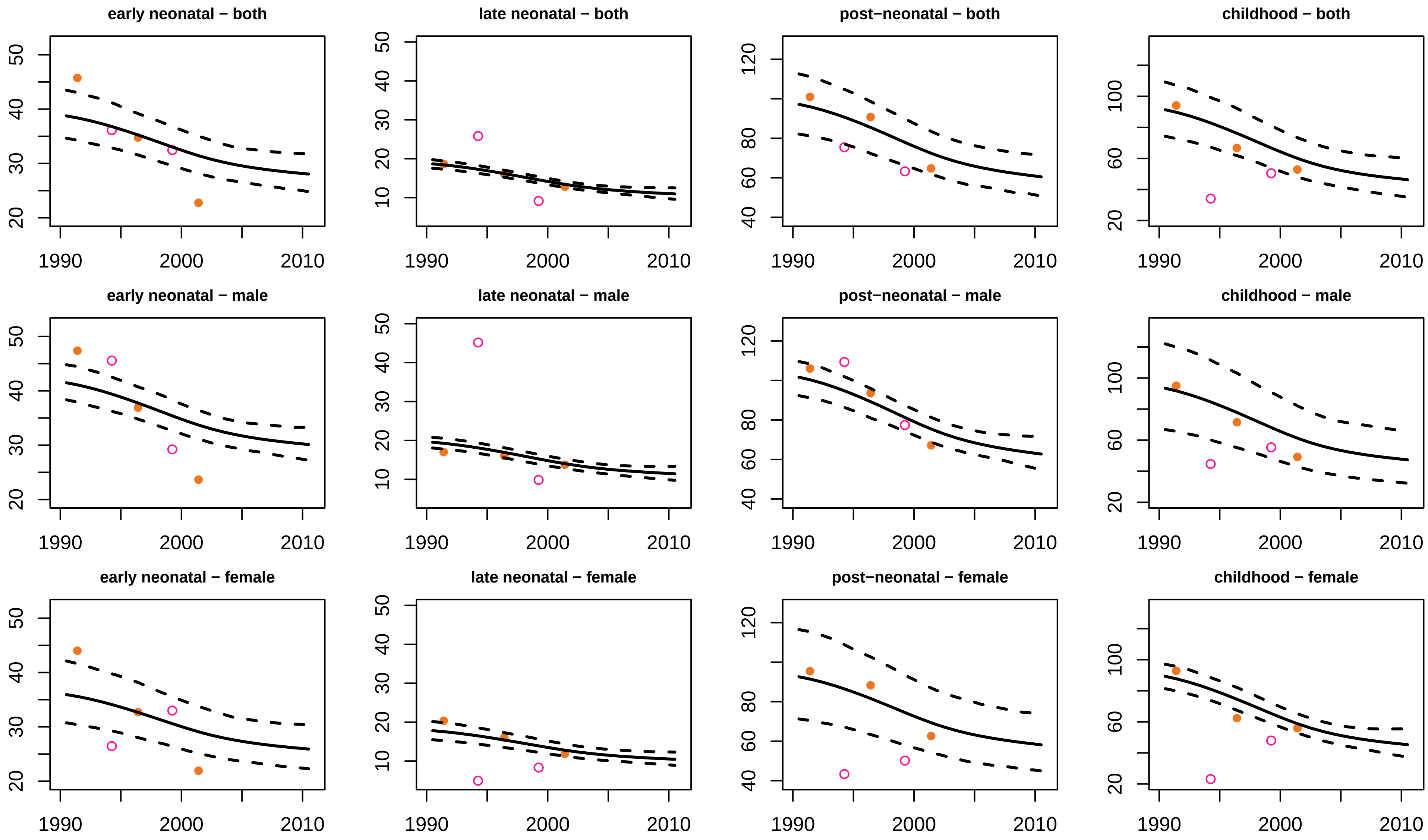
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



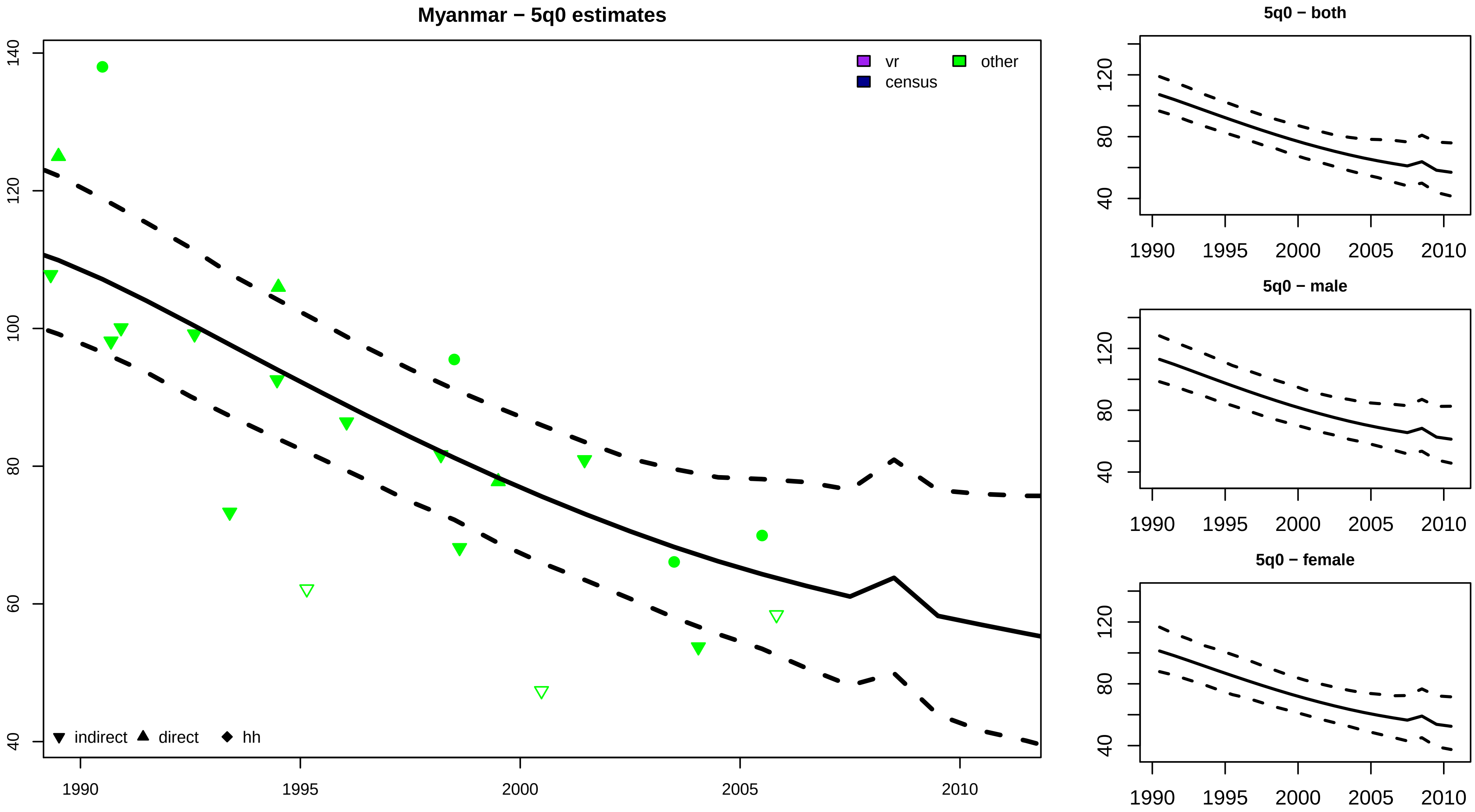
Morocco − 5q0 estimates
vr
census
dhs
wfs
papfam
papchild
dhsother
other
indirect
direct
hh
10
20
30
40
50
60
70
80
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
0
20
60


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
0
5
10
15
20
25
30

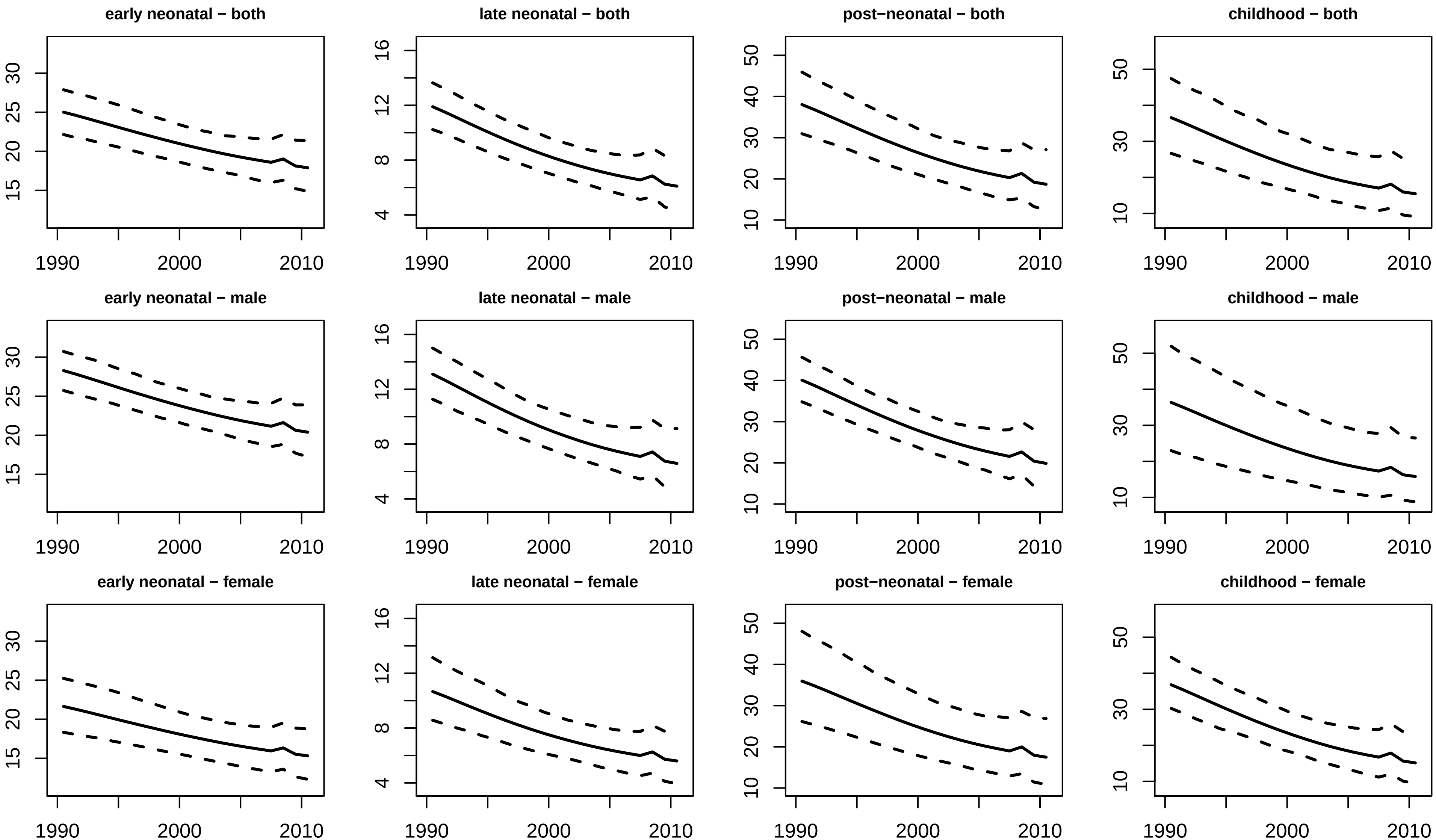

Mozambique − 5q0 estimates
vr
census
dhs
mics
ais
indirect
direct
hh
300
250
200
150
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
100
200

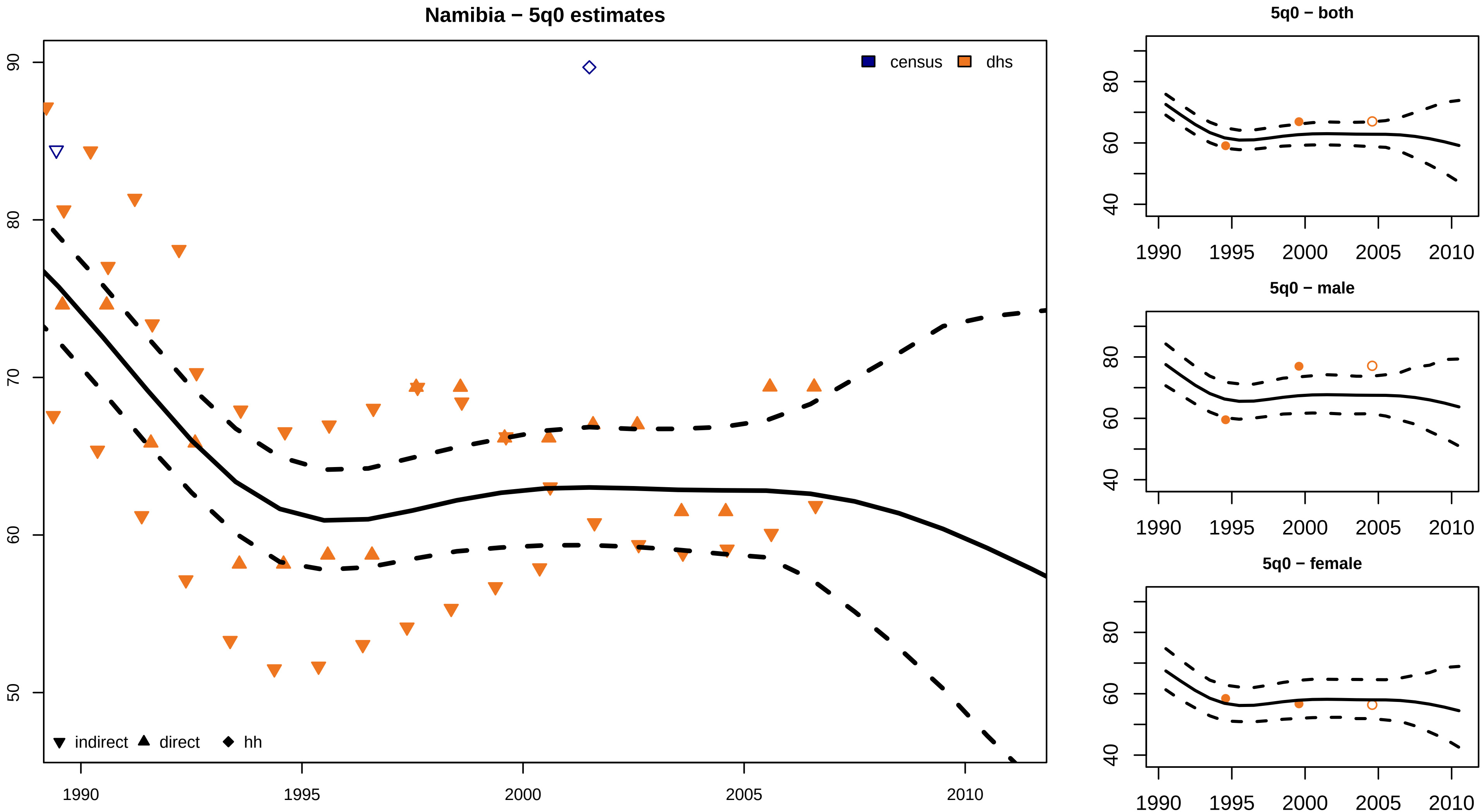


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

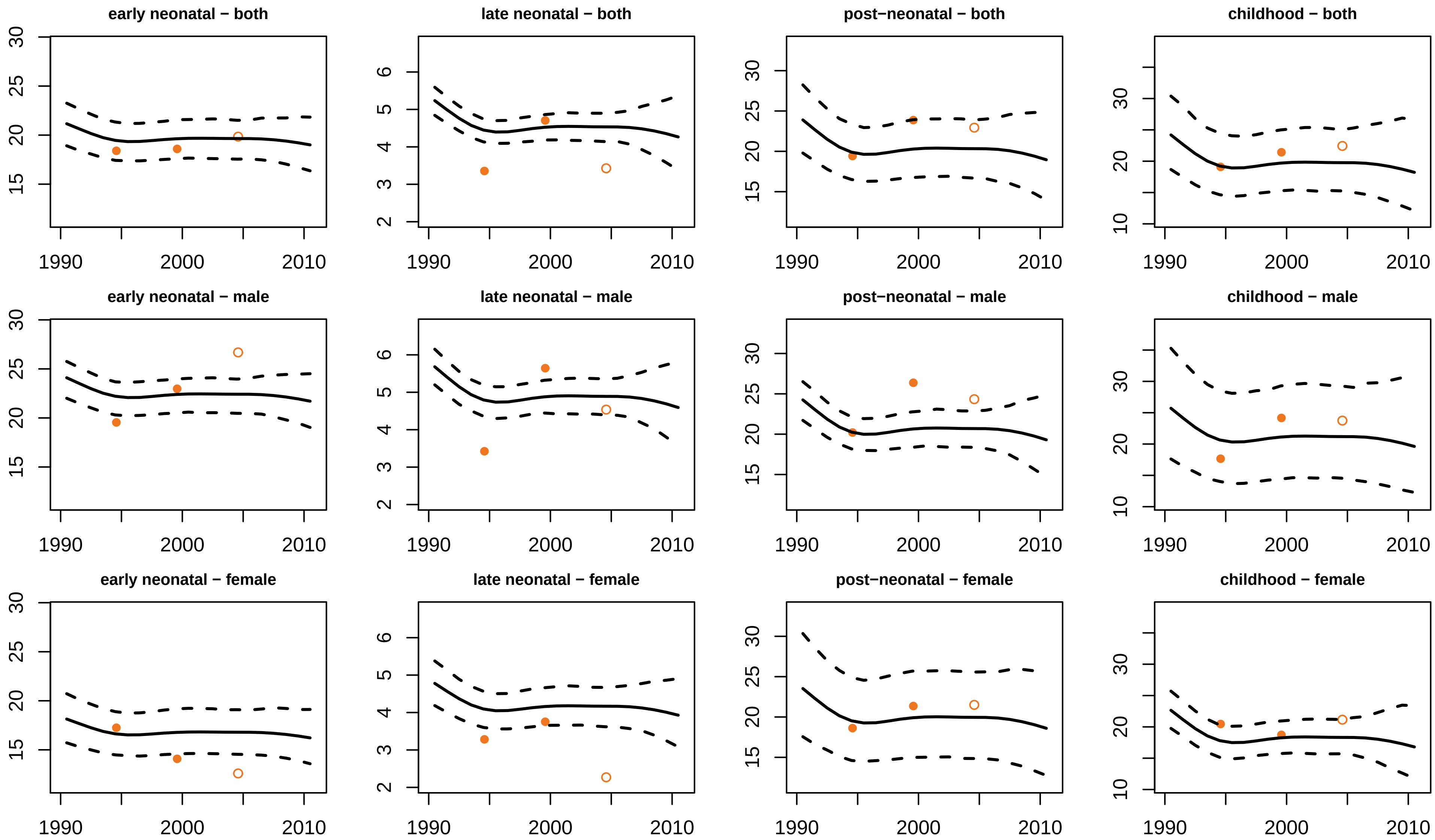


Myanmar − 5q0 estimates
vr
census
other
indirect
direct
hh
140
120
100
80
60
40
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

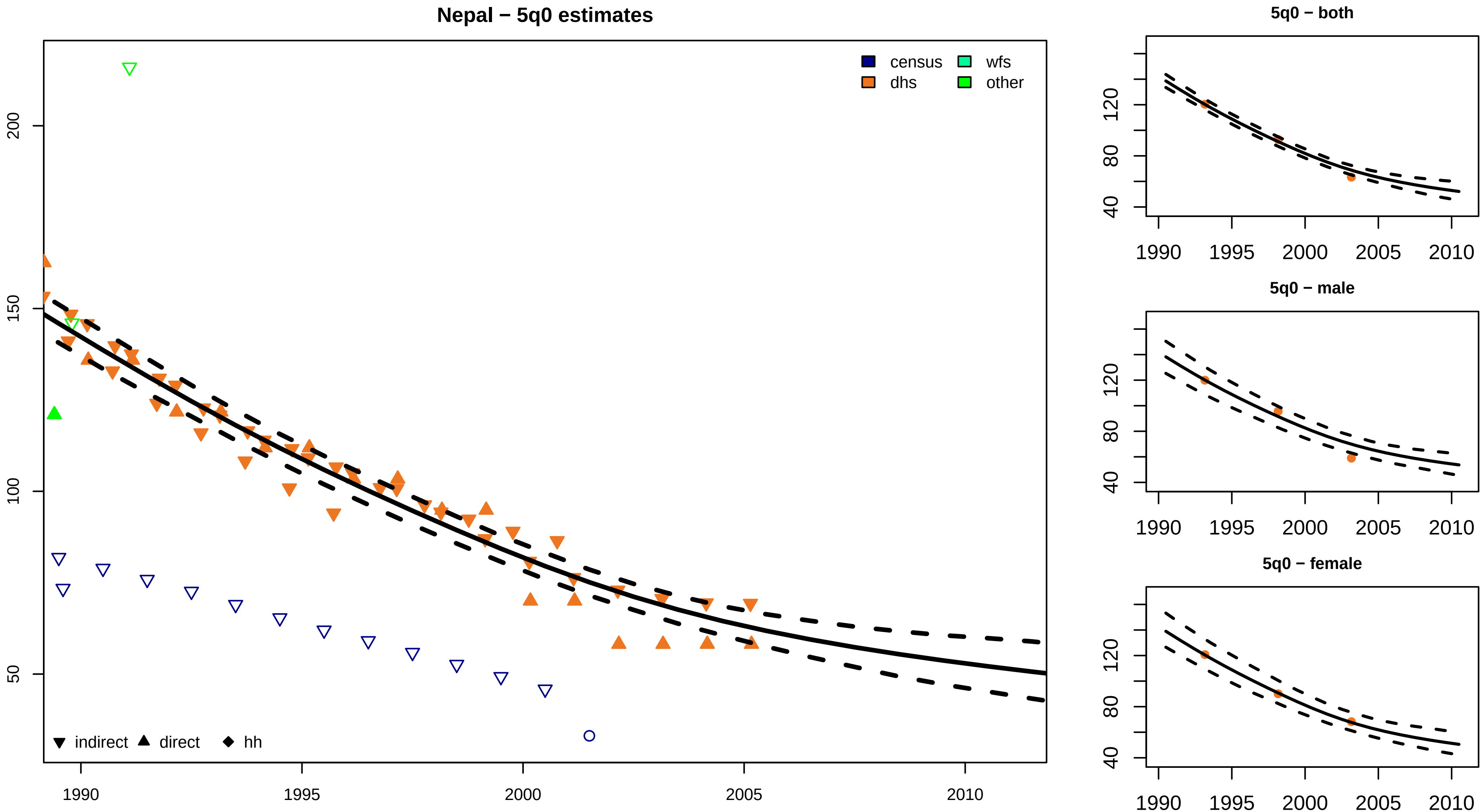

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



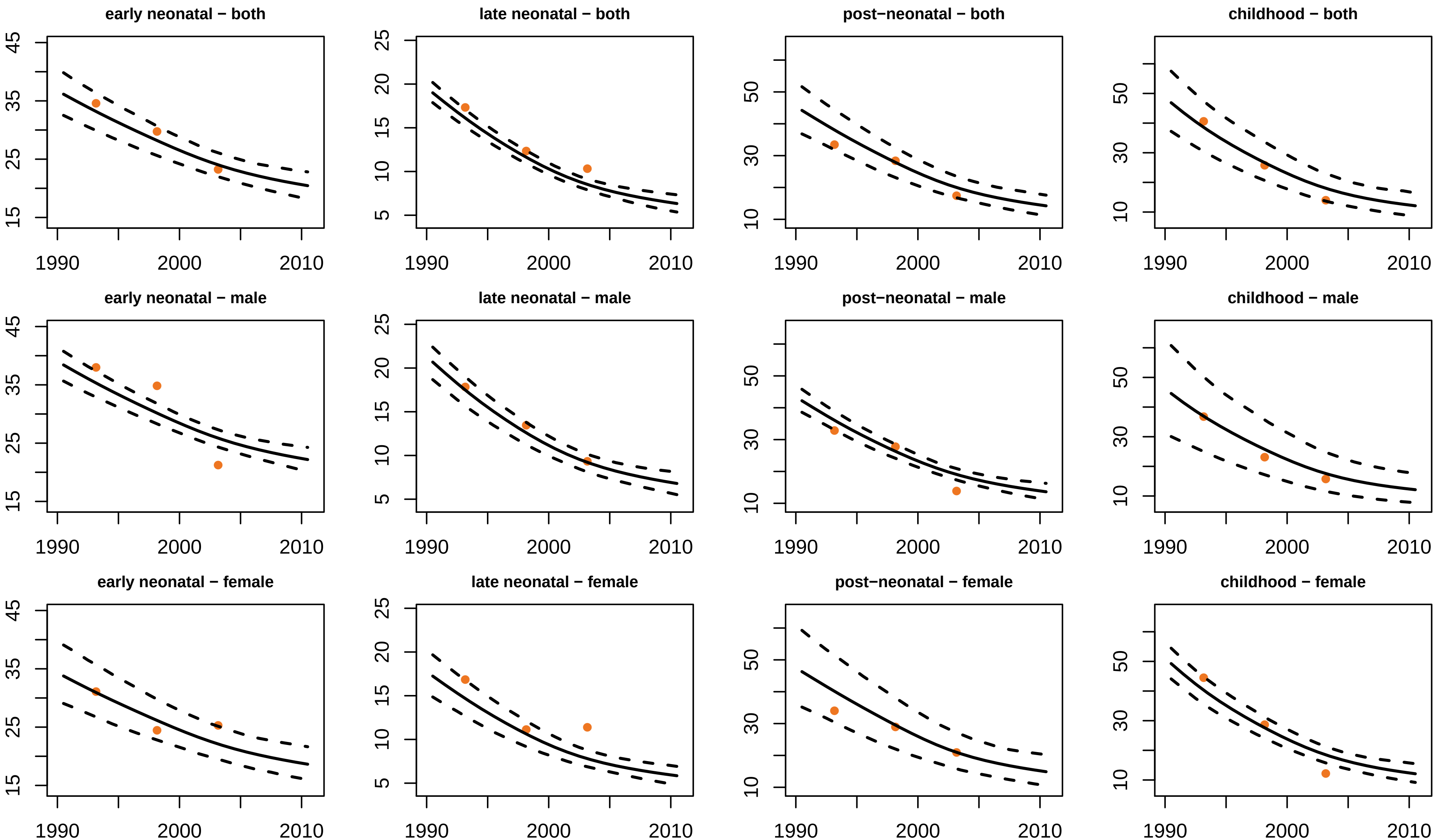
Namibia − 5q0 estimates
census
dhs
indirect
direct
hh
90
80
70
60
50
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
40

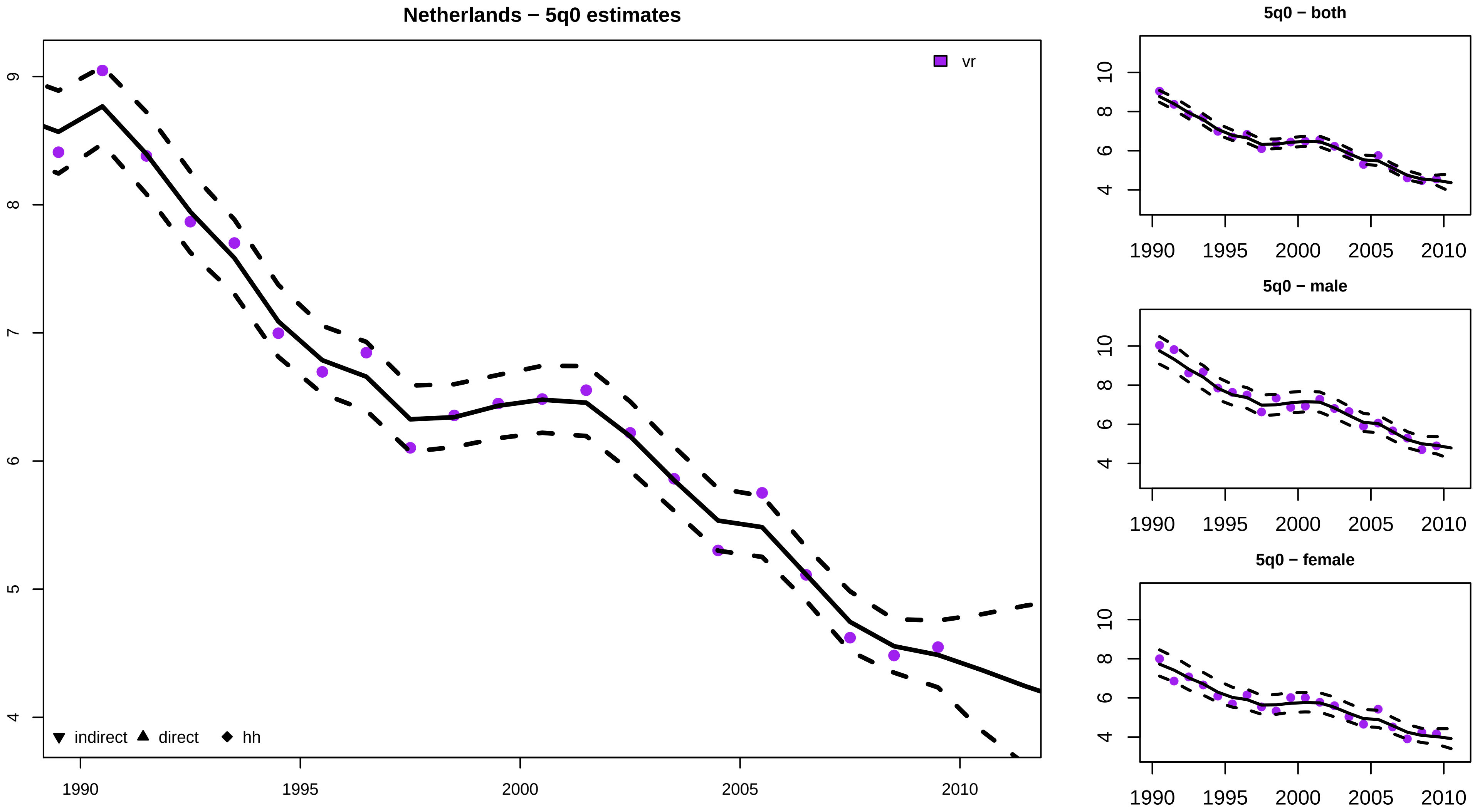


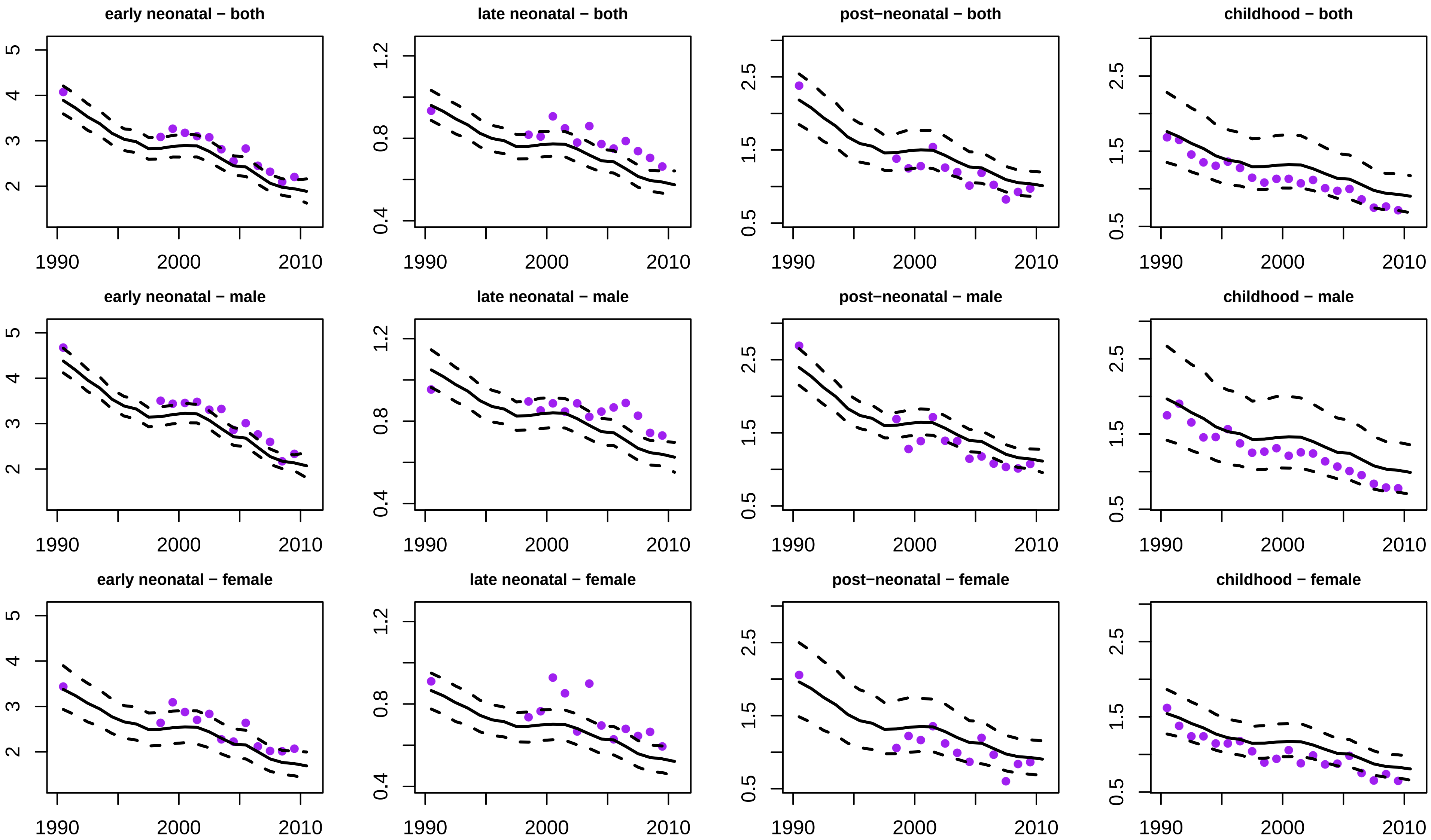
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



Nepal – 5q0 estimates
census
wfs
dhs
other
indirect
direct
hh
200
150
100
50
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
40
80
120


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
15
25
35
45
5
10
15
20
25
10
30
50
1990
2000
2010


Netherlands − 5q0 estimates
vr
indirect
direct
hh
9
8
7
6
5
4
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
10
8
6
4


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
2
3
4
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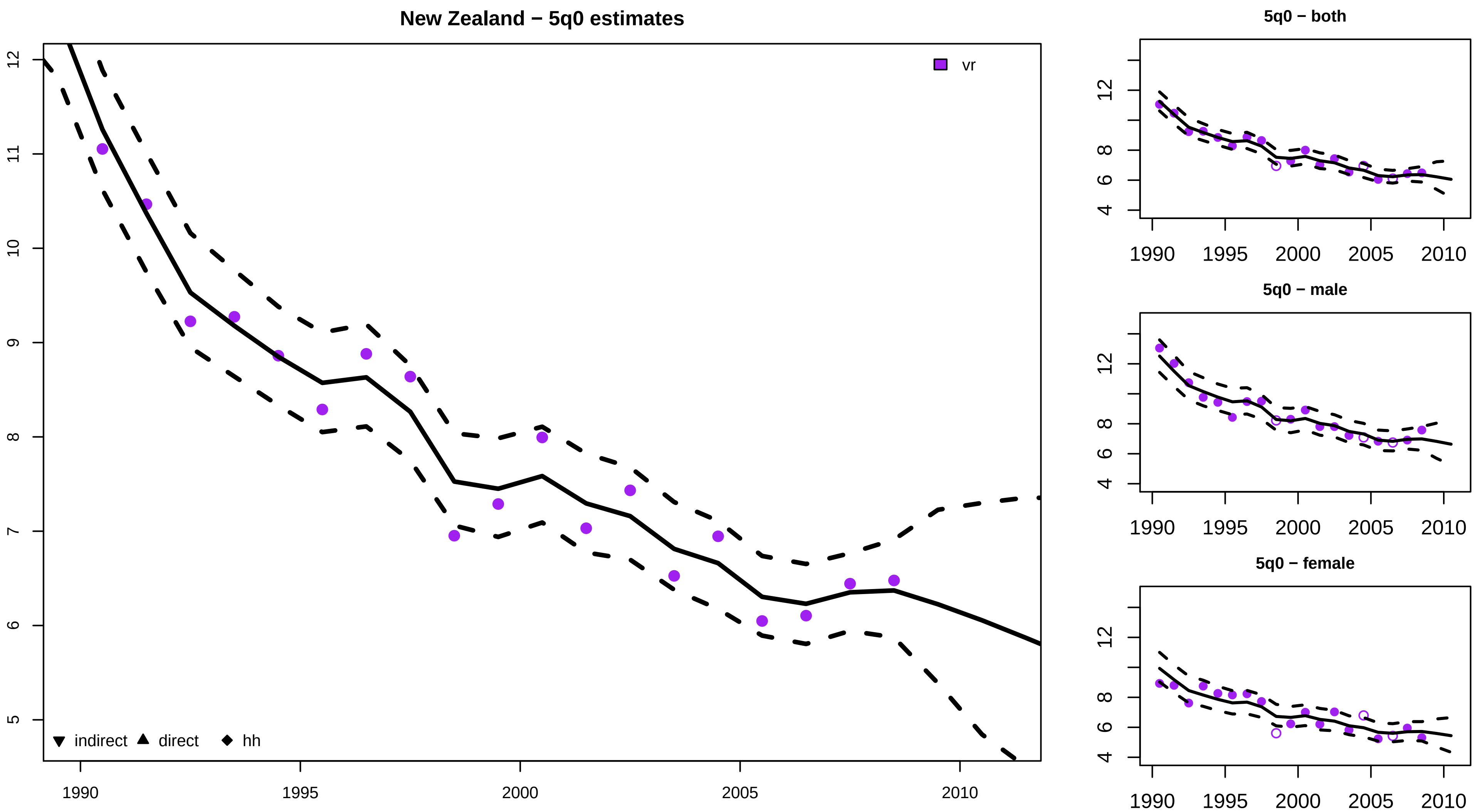
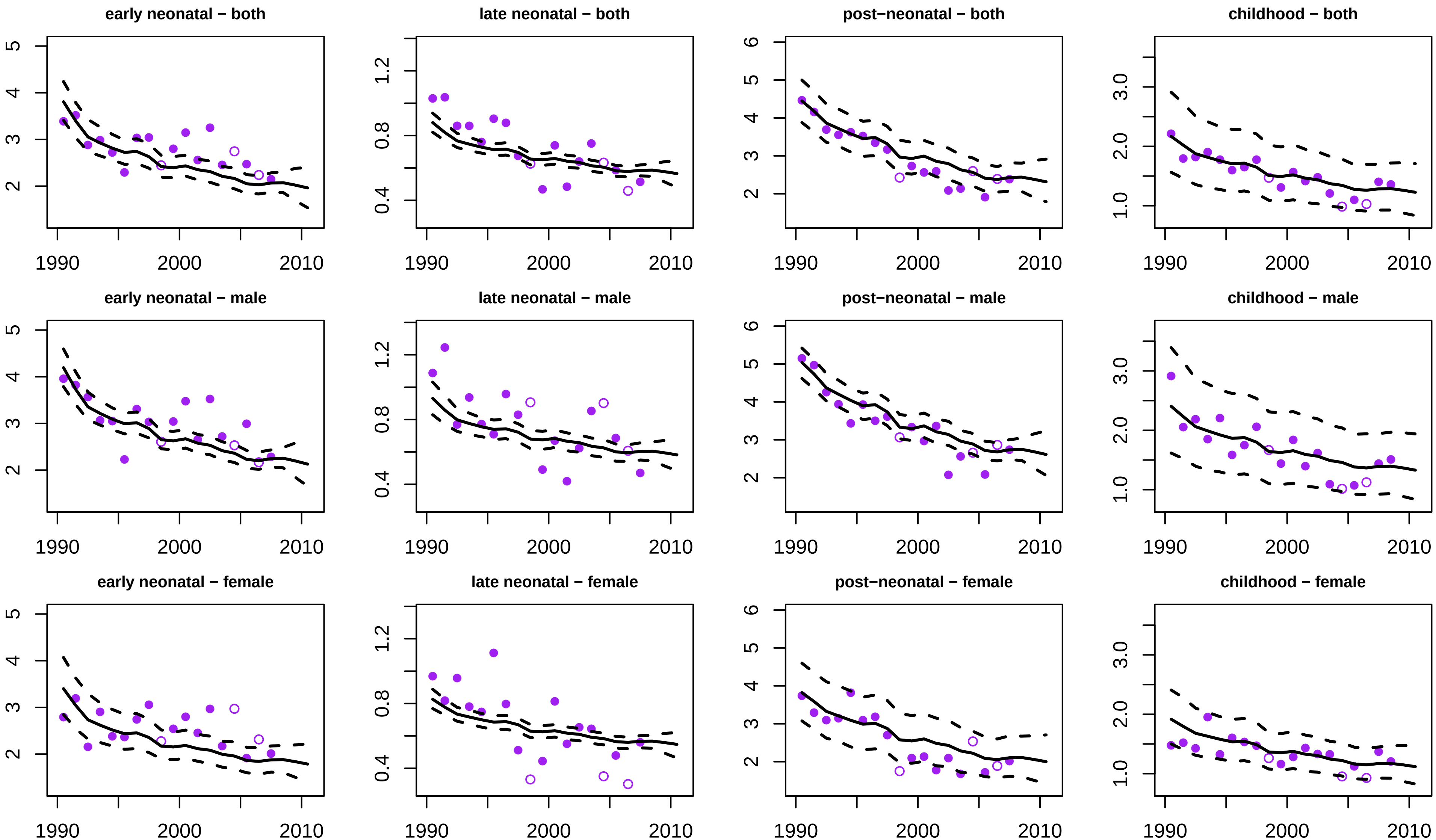
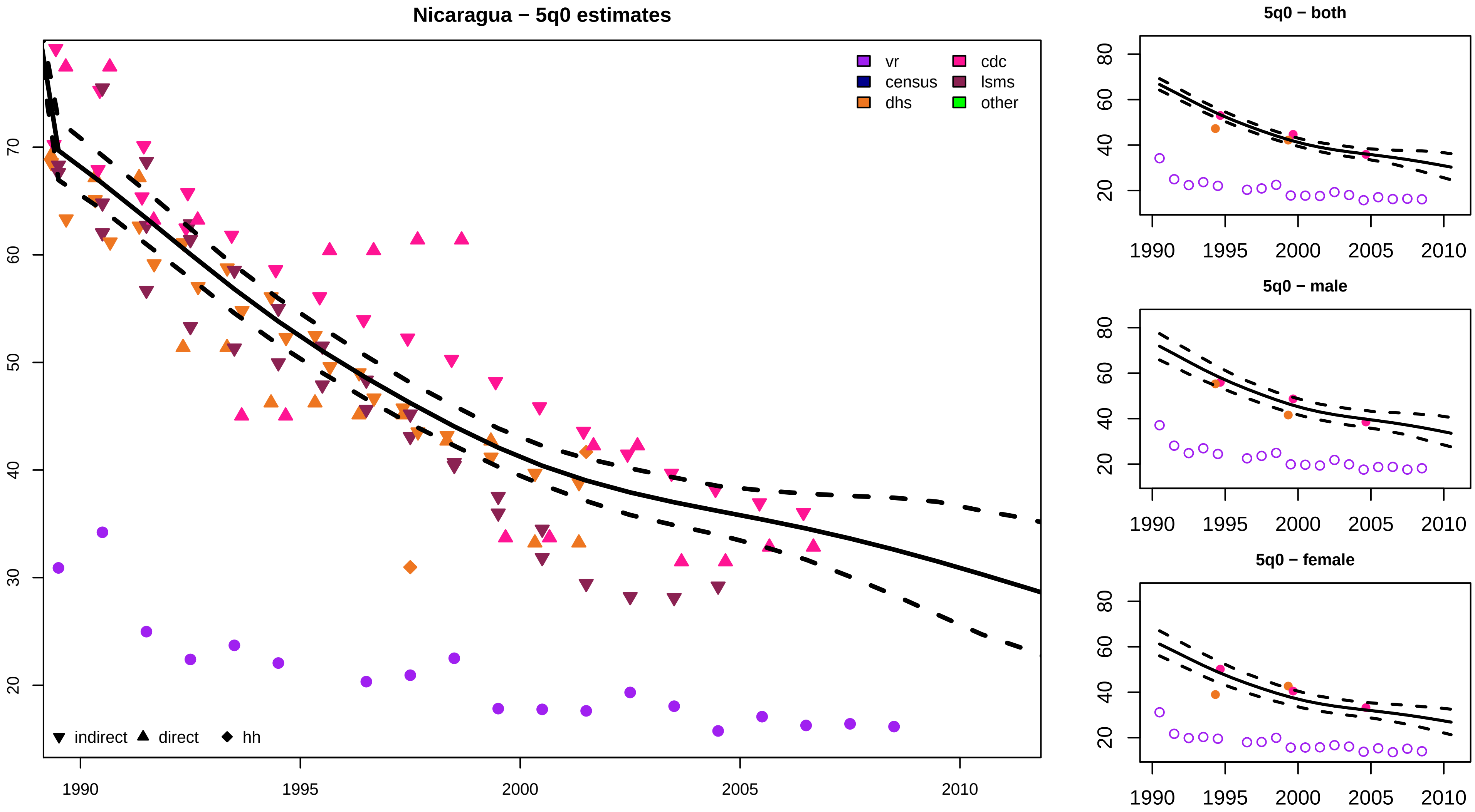
0.4
0.8
1.2
0.5
1.5
2.5

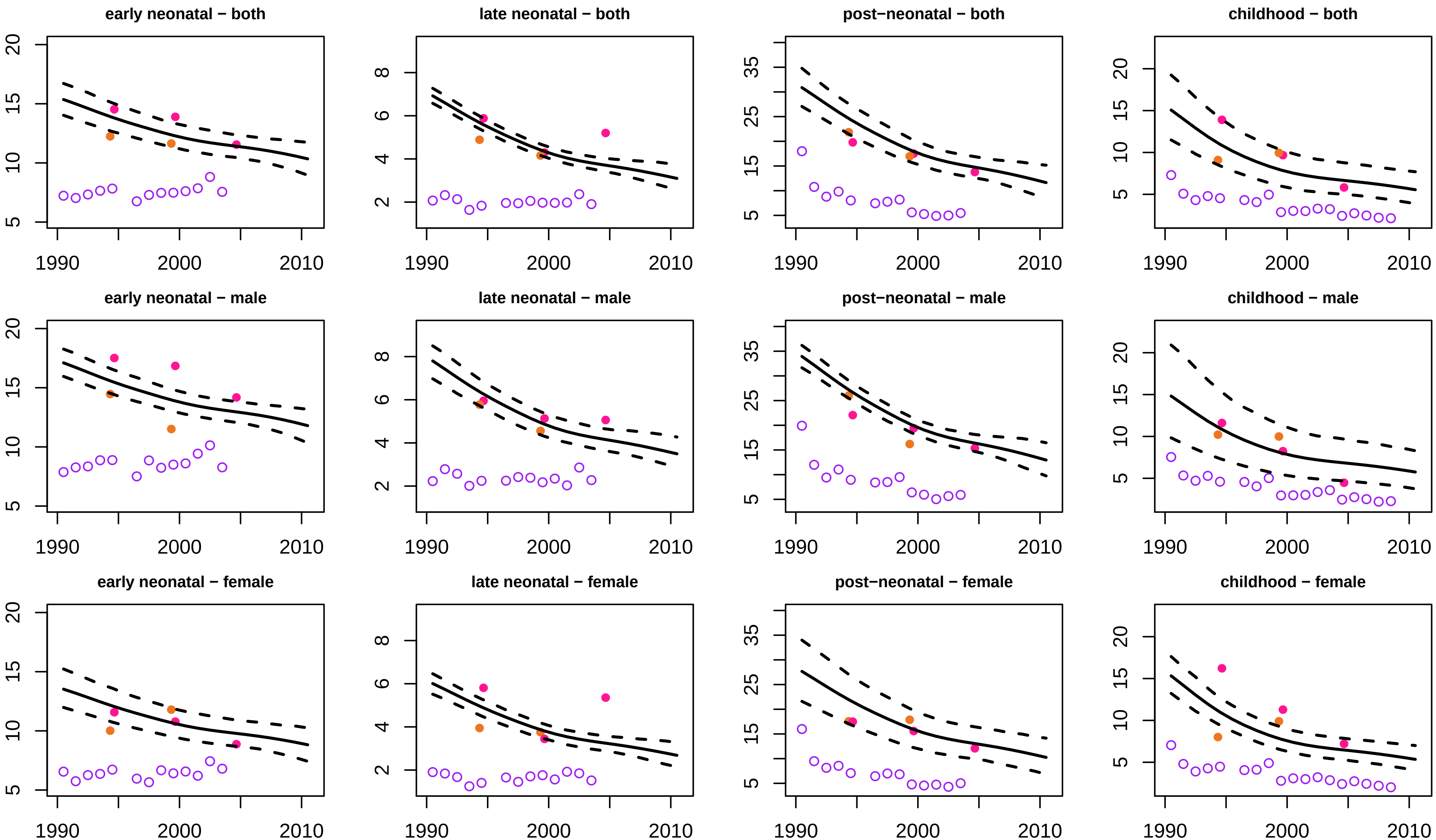


New Zealand − 5q0 estimates
vr
indirect
direct
hh
5
6
7
8
9
10
11
12
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
4
6
8
12

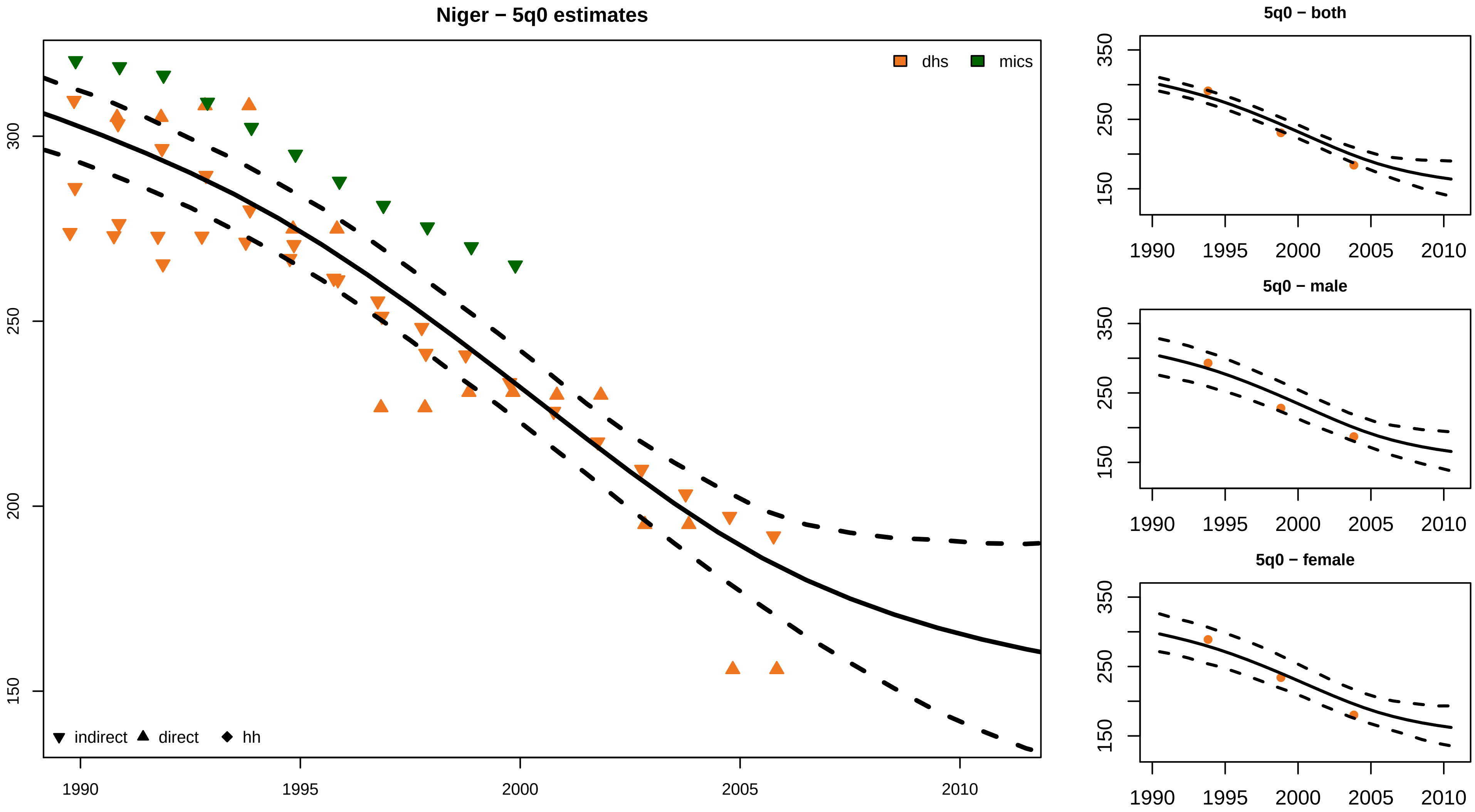


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

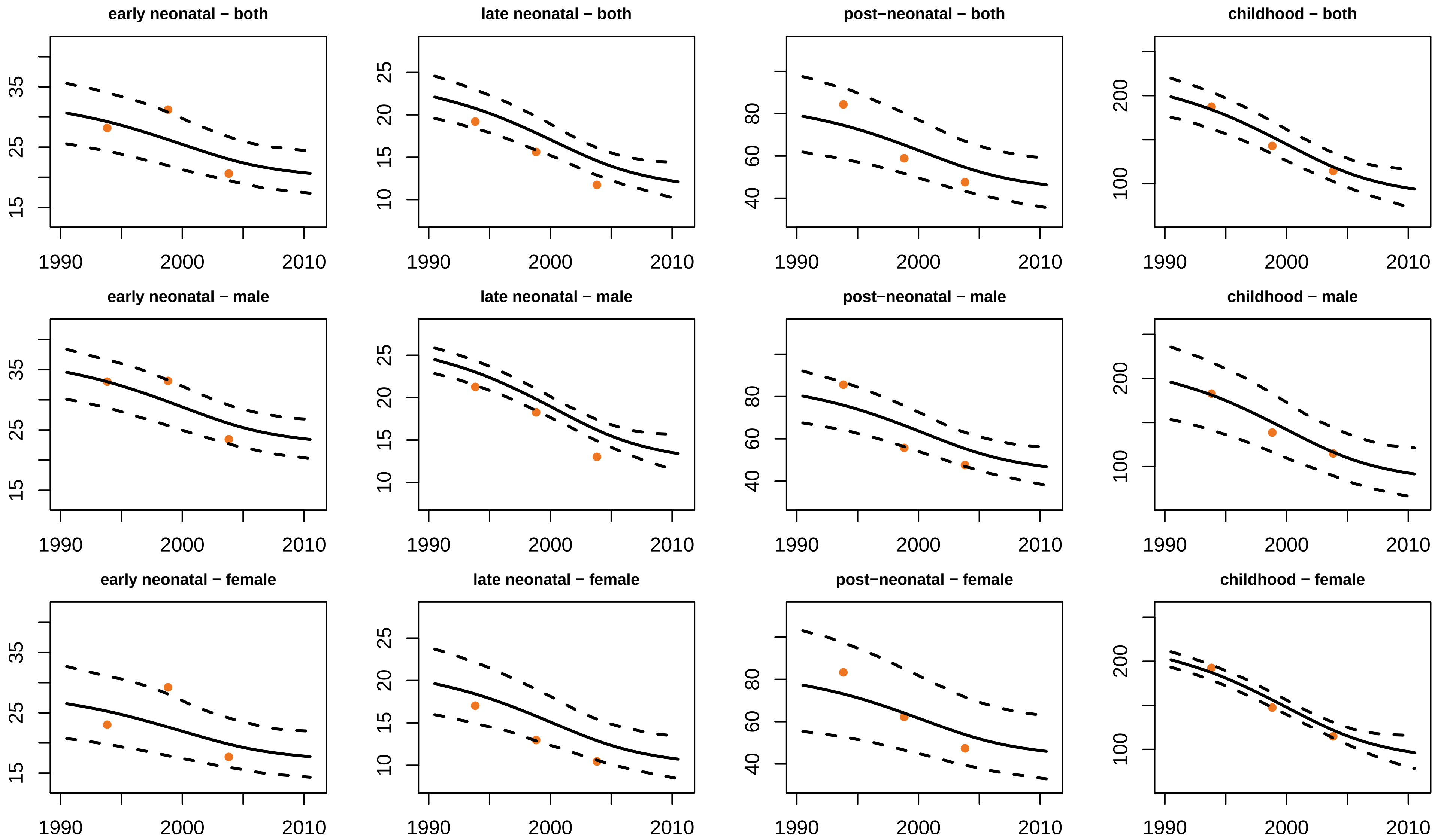

Nicaragua − 5q0 estimates
vr
census
dhs
cdc
lsms
other
indirect
direct
hh
20
30
40
50
60
70
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
20
40
60
80
1990
1995
2000
2005
2010

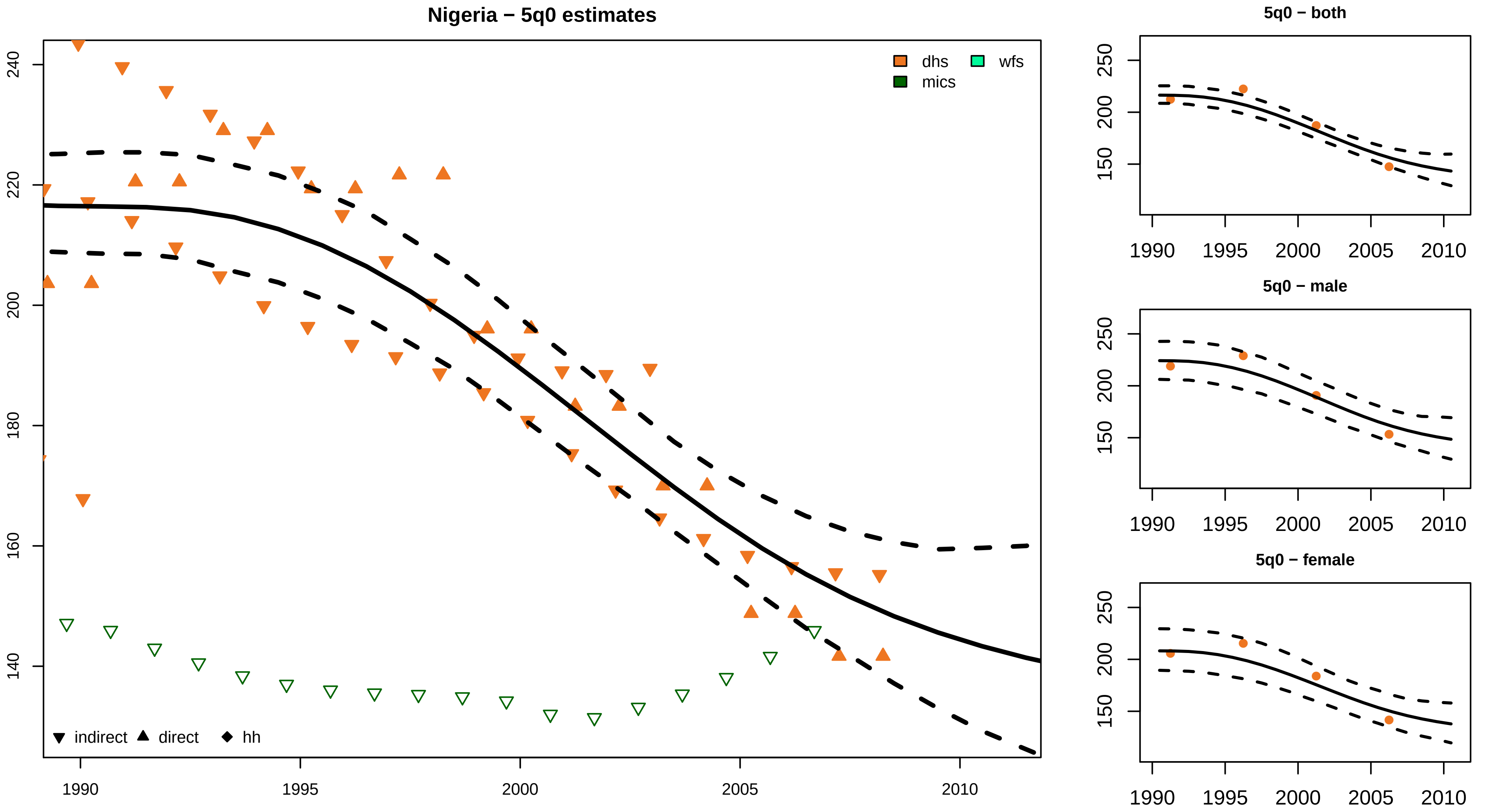


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

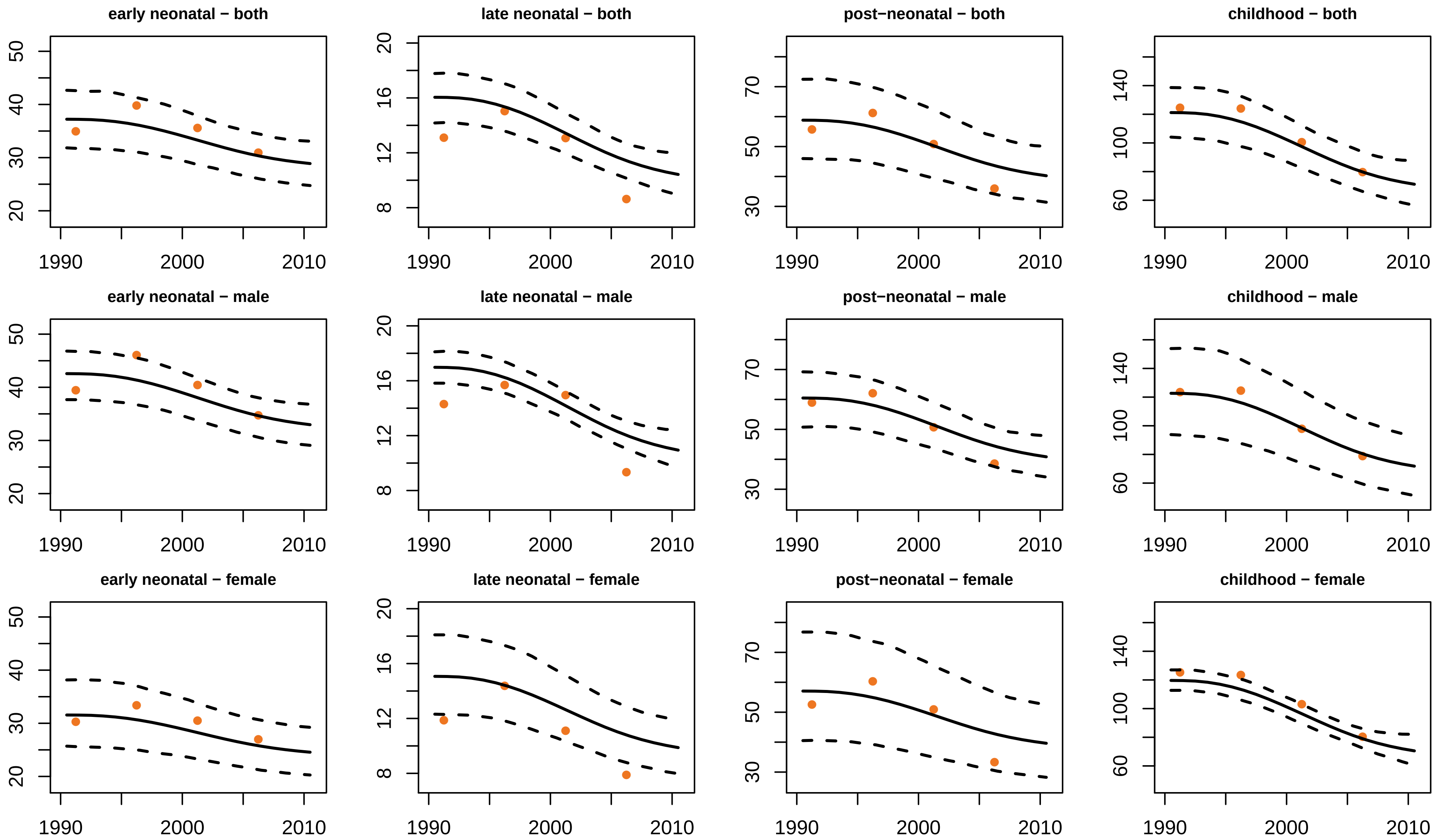


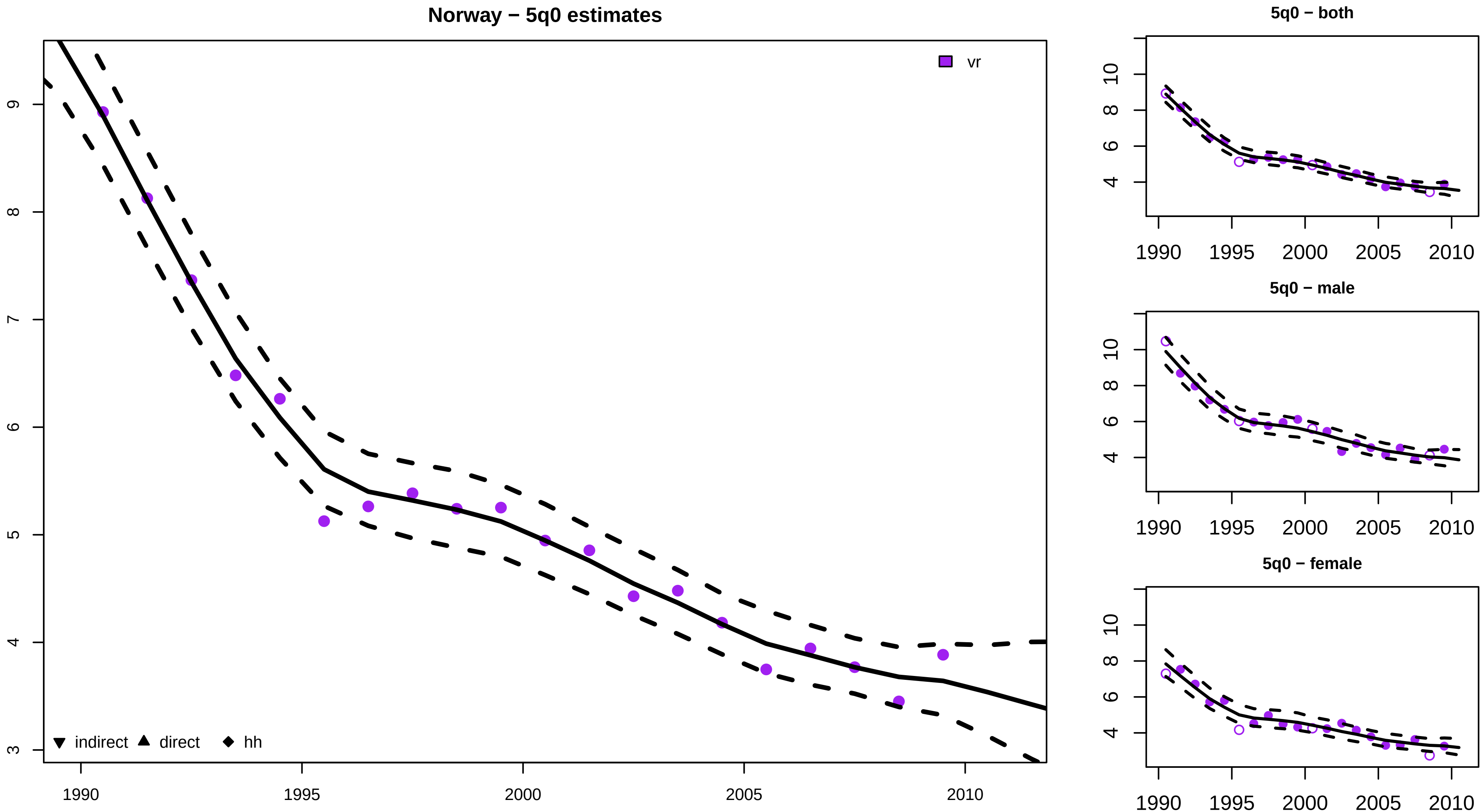
Niger − 5q0 estimates
dhs
mics
300
250
200
150
indirect
direct
hh
1990
1995
2000
2005
2010
5q0 − both
350
250
150
1990
1995
2000
2005
2010
5q0 − male
350
250
150
1990
1995
2000
2005
2010
5q0 − female
350
250
150
1990
1995
2000
2005
2010

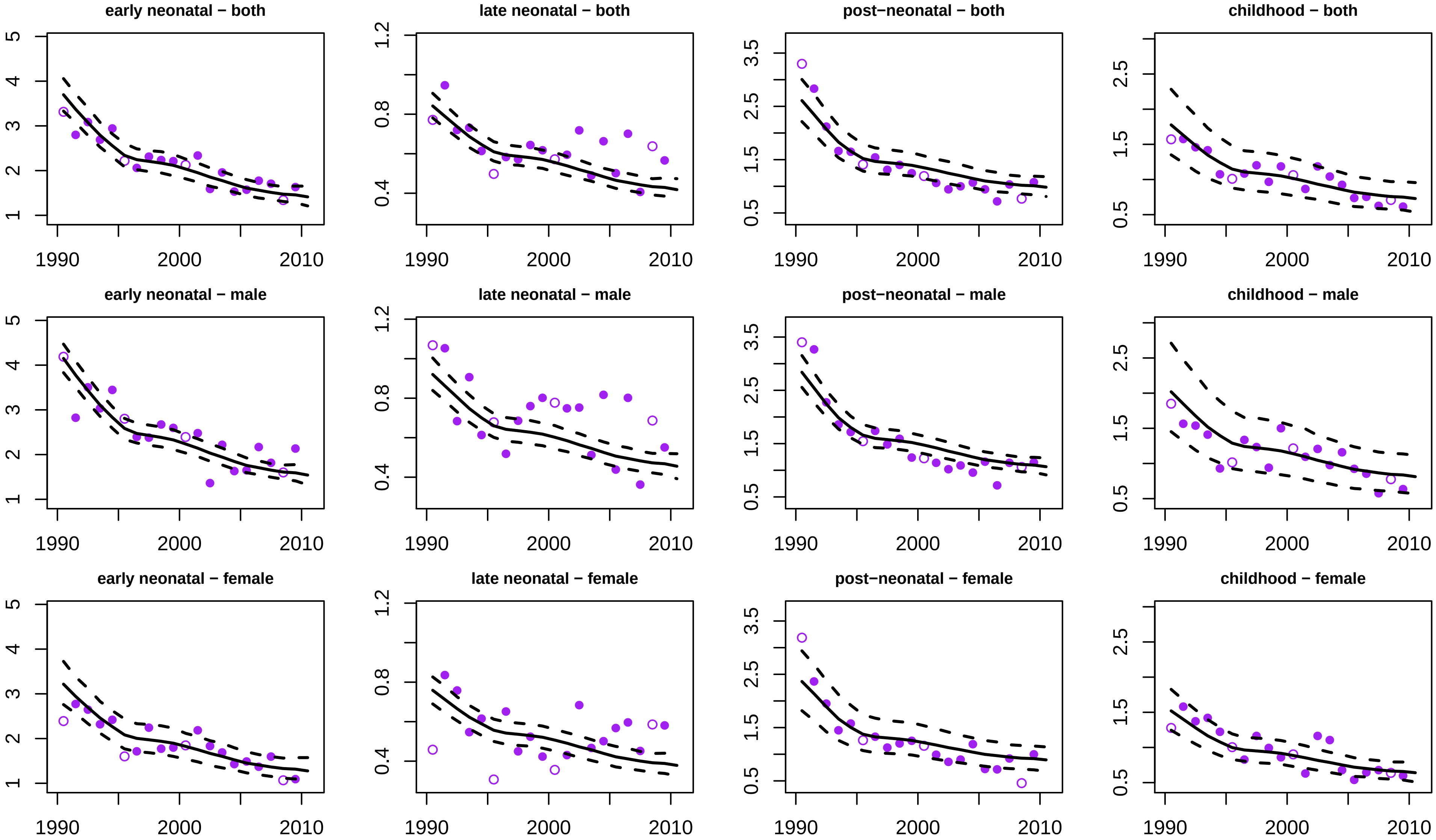

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
15
25
35
10
15
20
25
40
60
80
100
200
1990
2000
2010

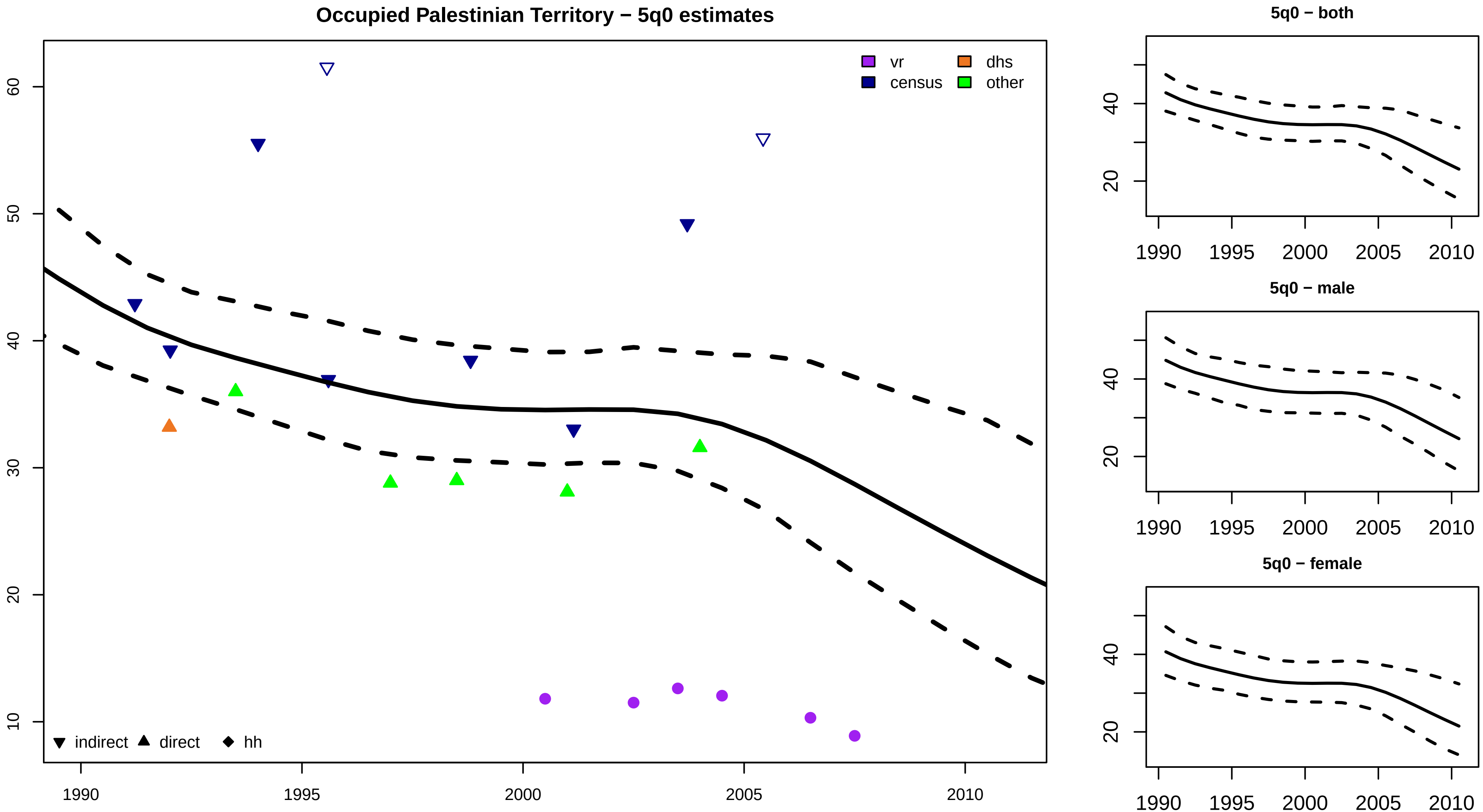


Nigeria − 5q0 estimates
dhs
wfs
mics
indirect
direct
hh
240
220
200
180
160
140
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
250
200
150

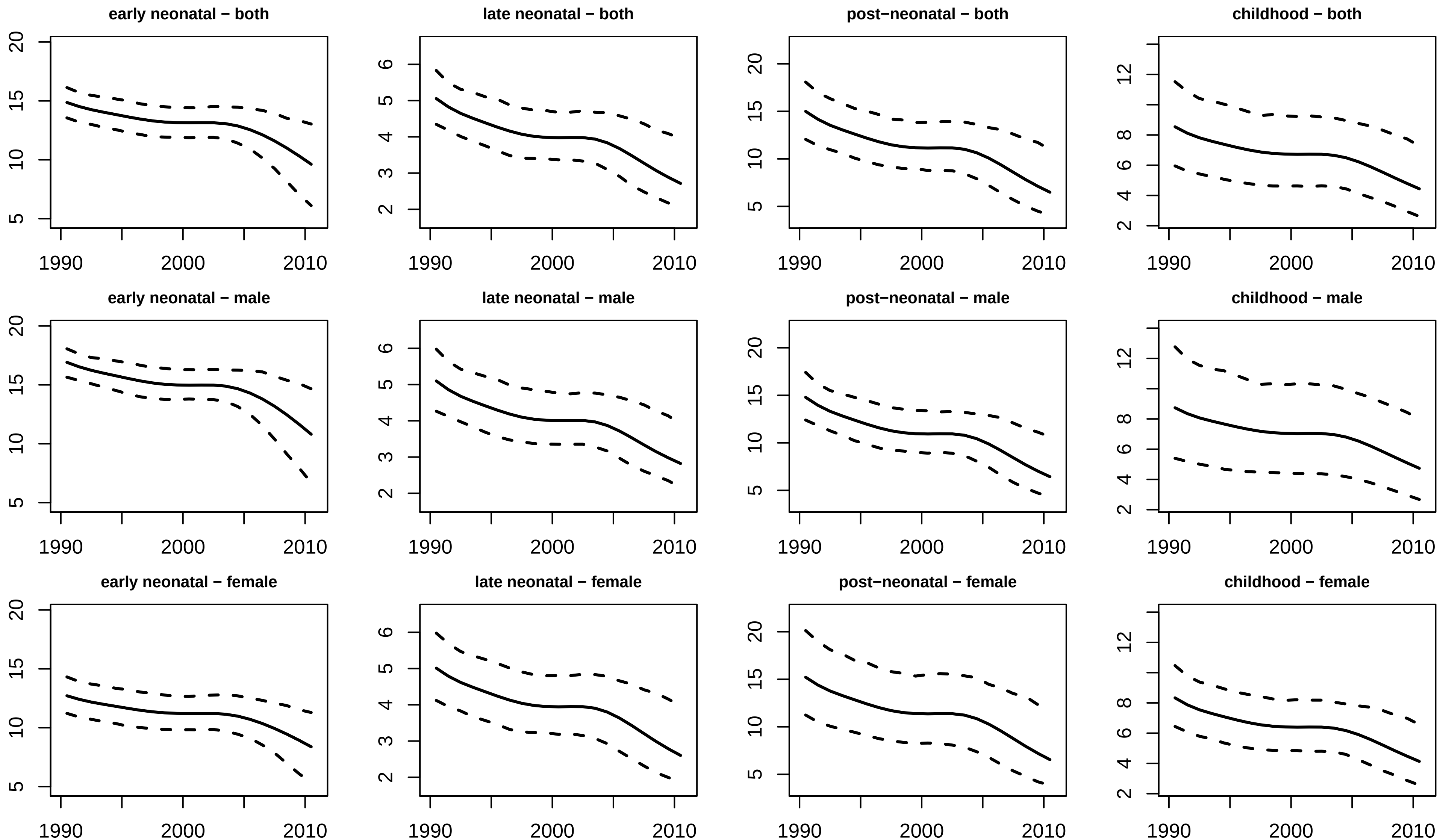

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

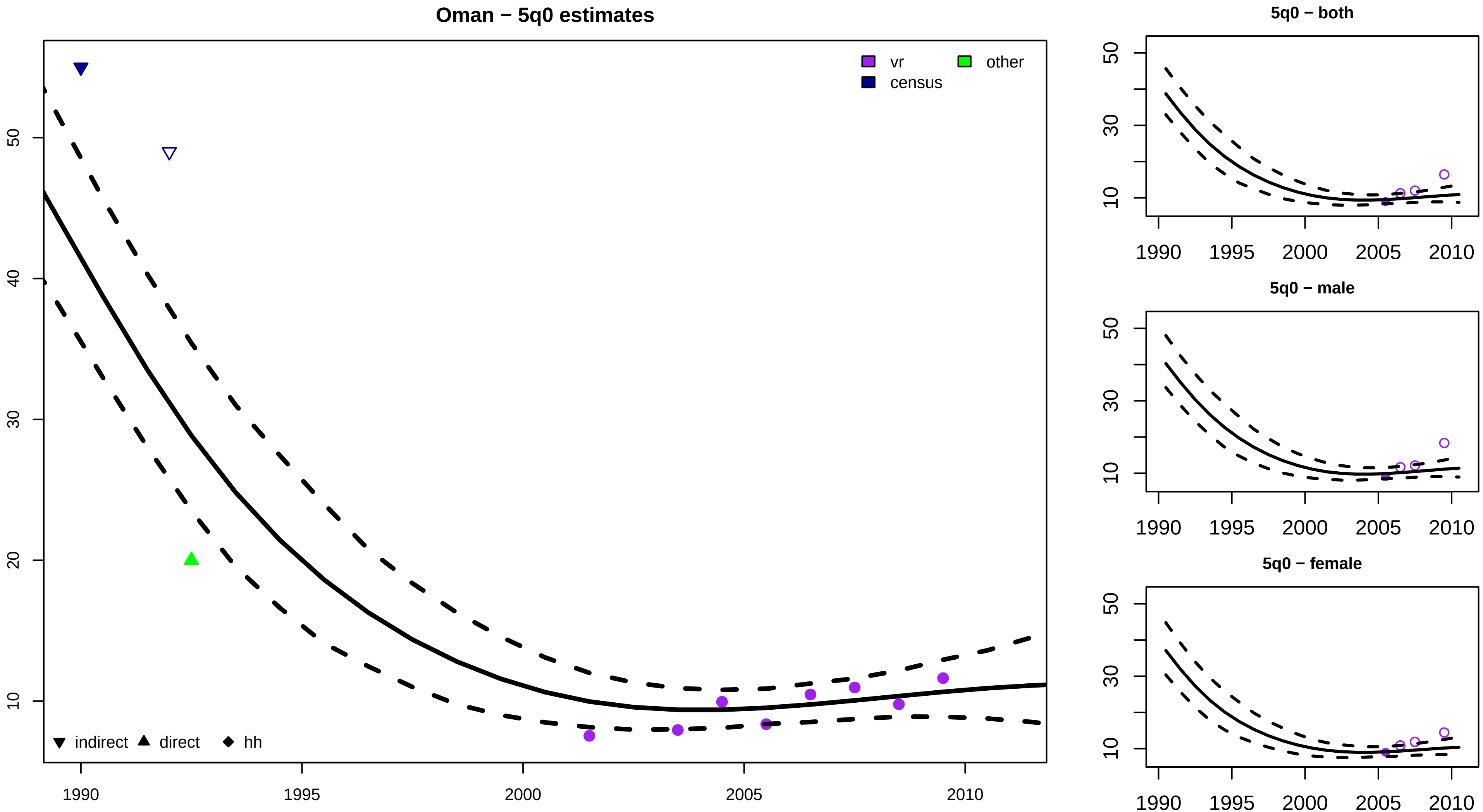

Norway − 5q0 estimates
vr
indirect
direct
hh
1990
1995
2000
2005
2010
3
4
5
6
7
8
9
5q0 − both
5q0 − male
5q0 − female
4
6
8
10


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

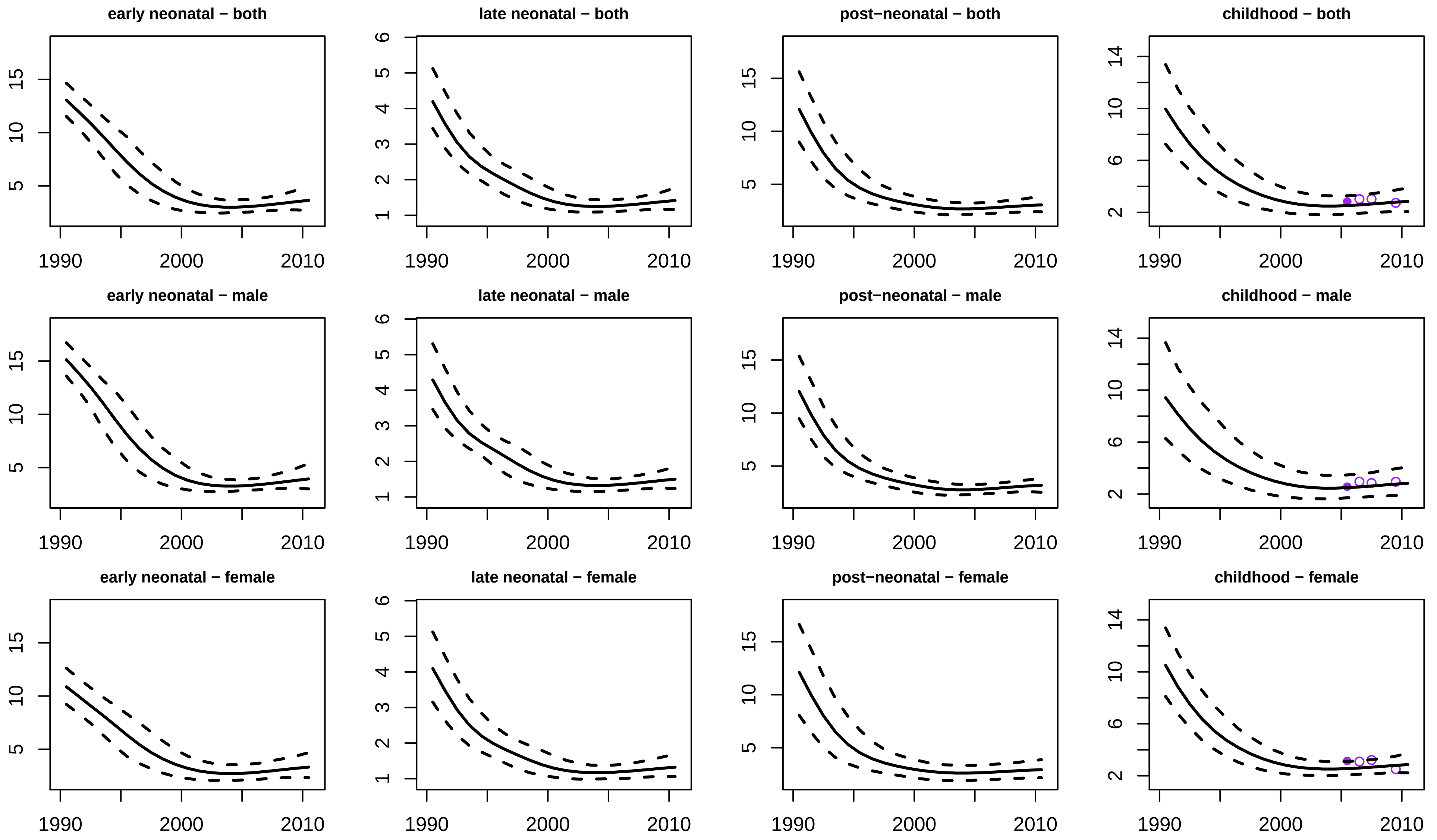


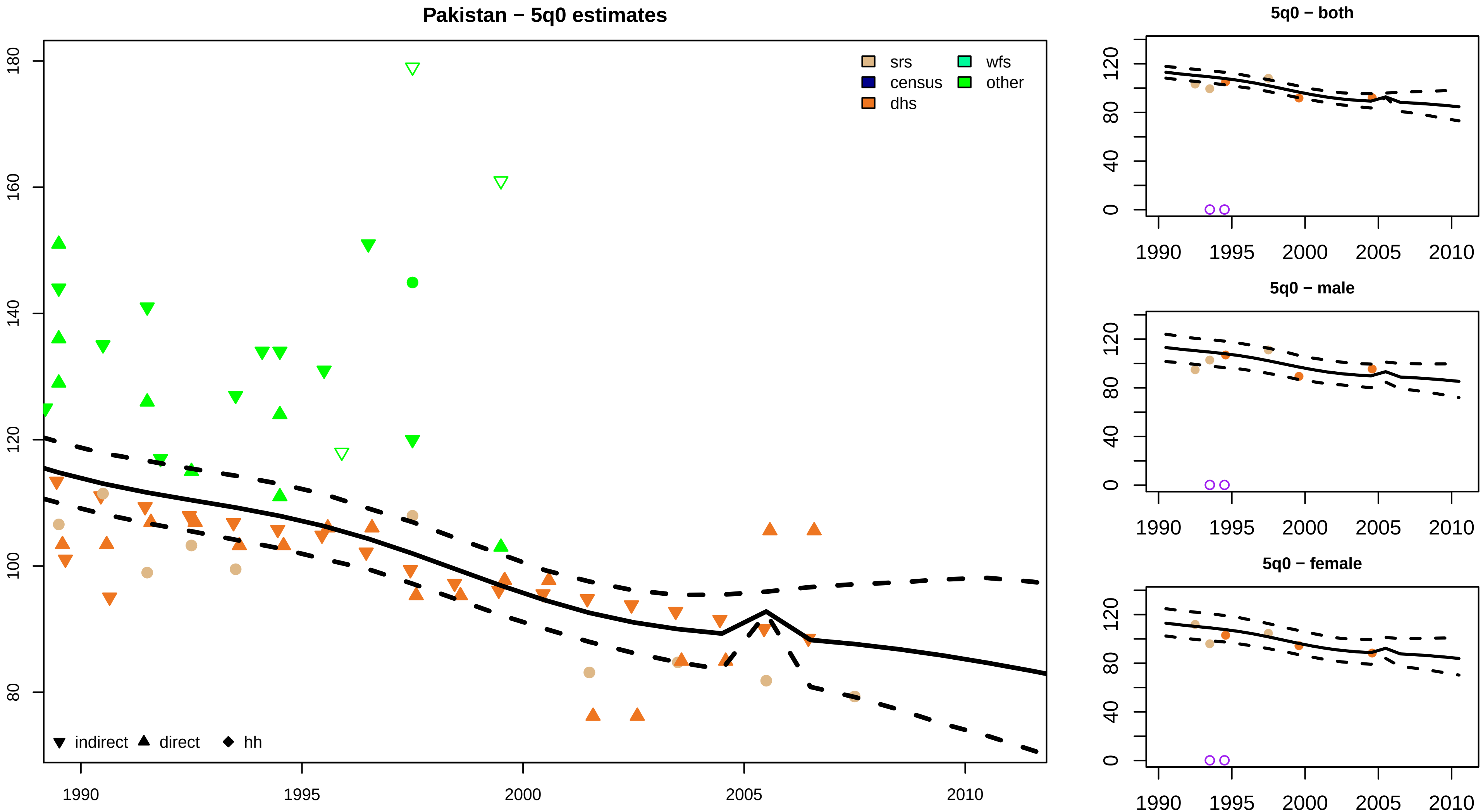
Occupied Palestinian Territory – 5q0 estimates
vr
dhs
census
other
indirect
direct
hh
60
50
40
30
20
10
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

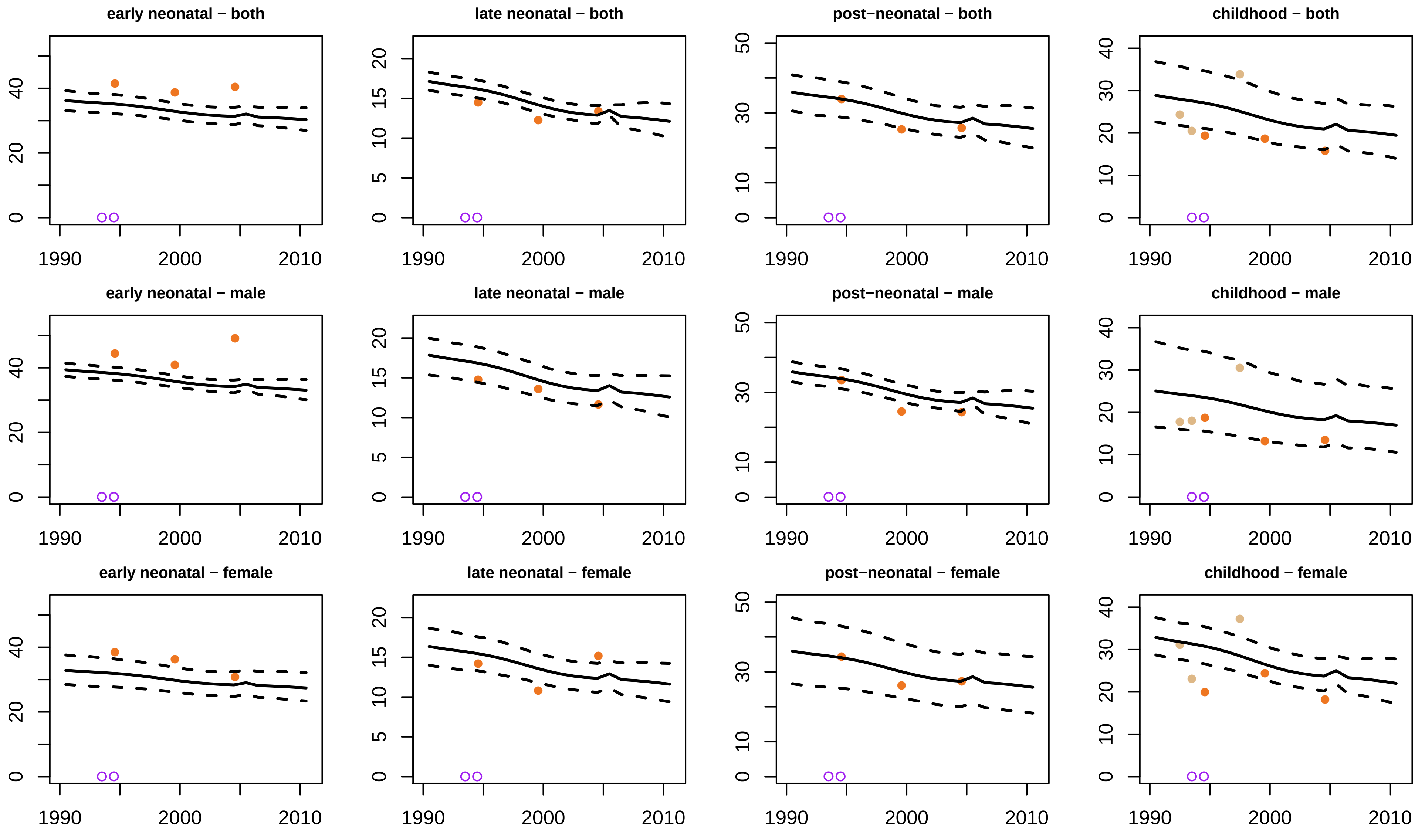


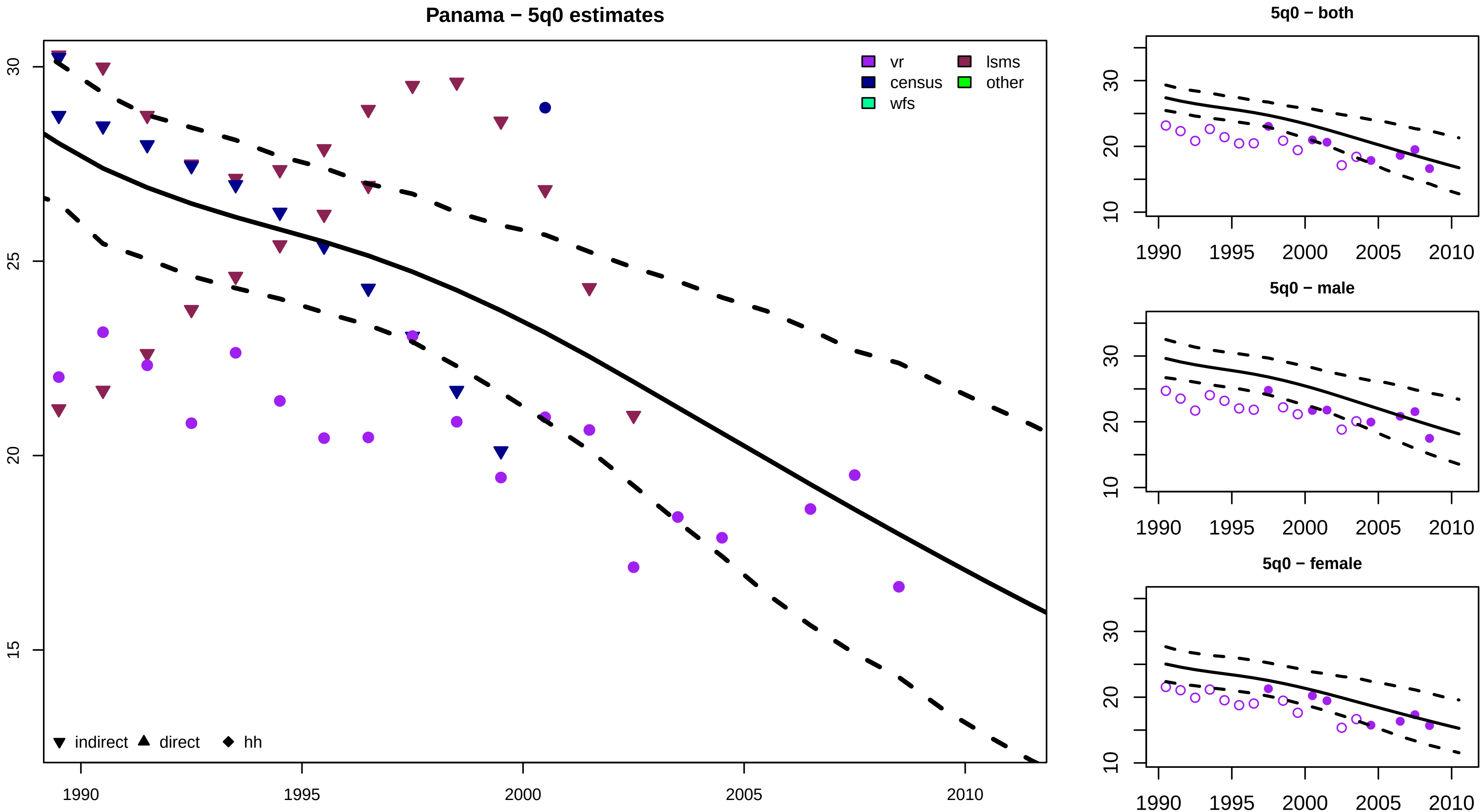
Oman − 5q0 estimates
vr
other
census
indirect
direct
hh
10
20
30
40
50
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

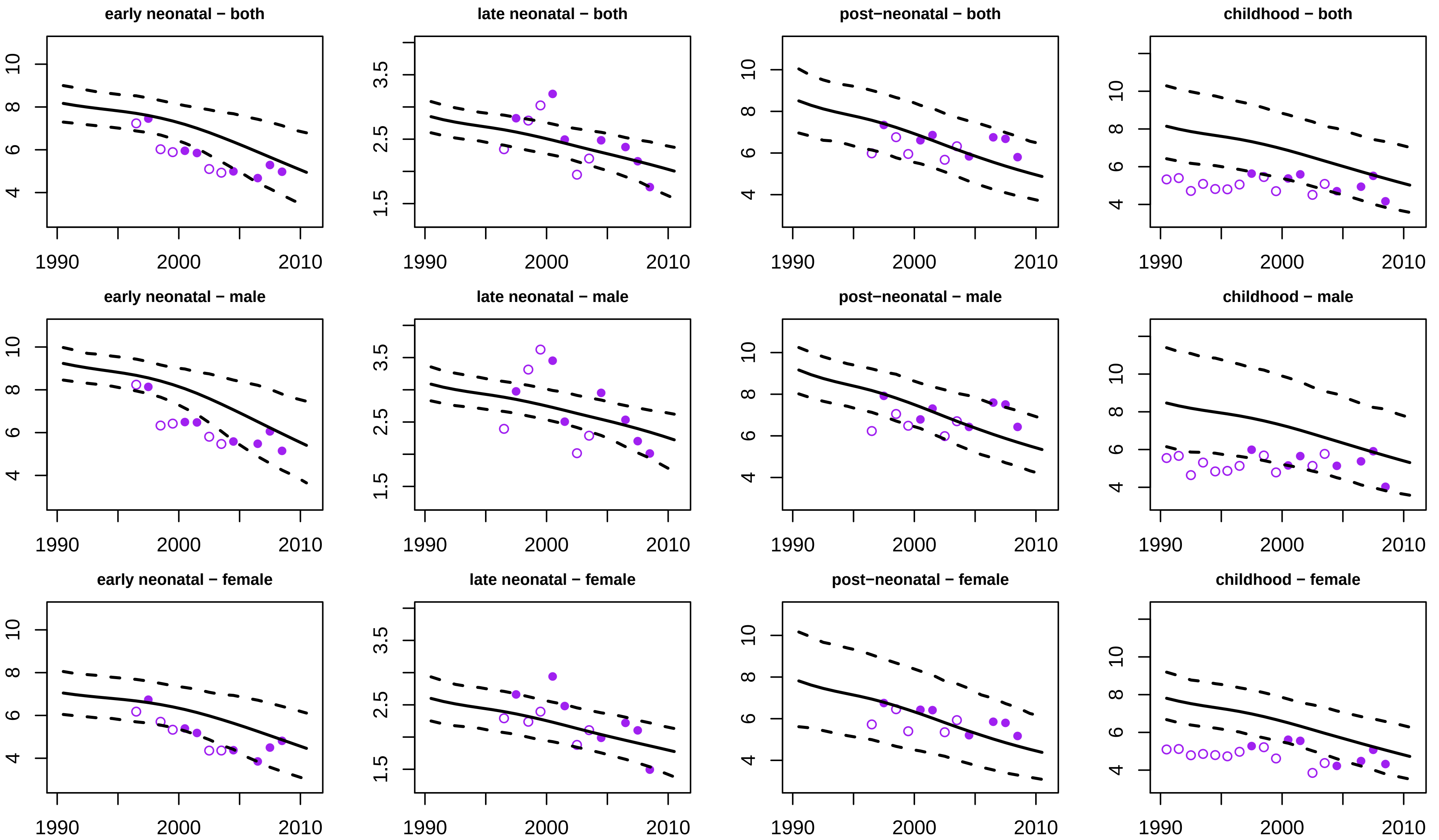

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

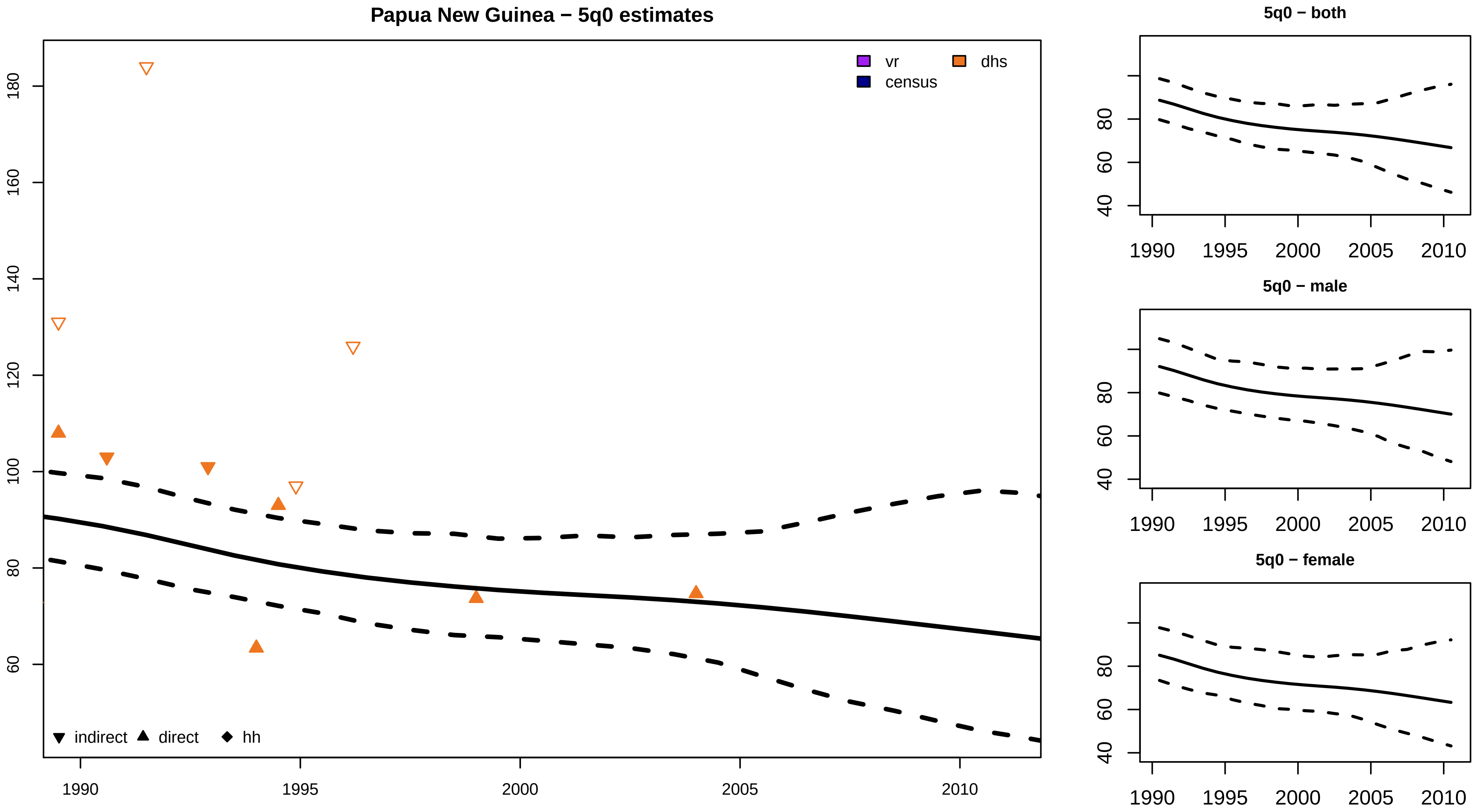


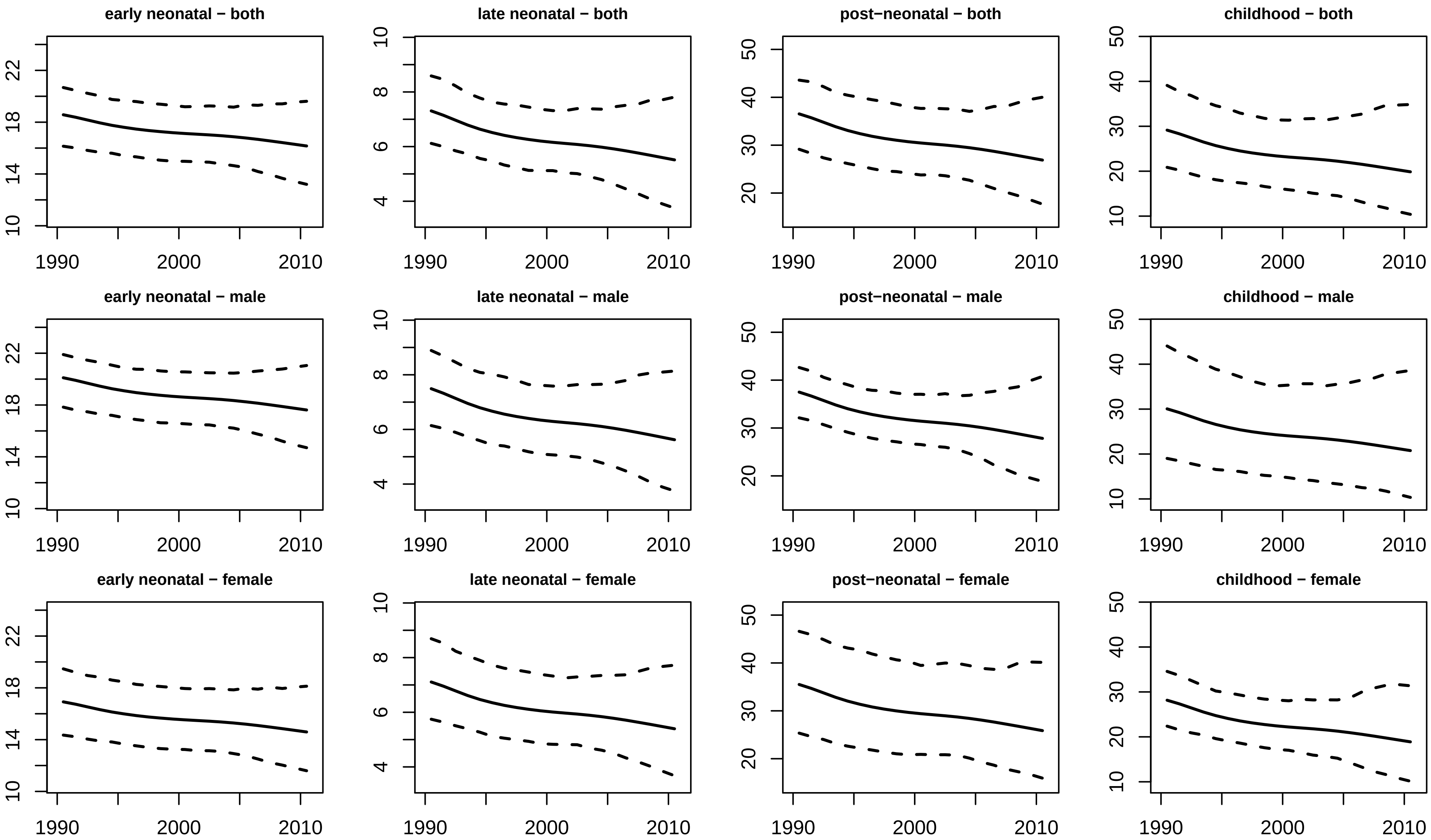
Pakistan − 5q0 estimates
srs
census
dhs
wfs
other
indirect
direct
hh
180
160
140
120
100
80
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
0
40
80
120

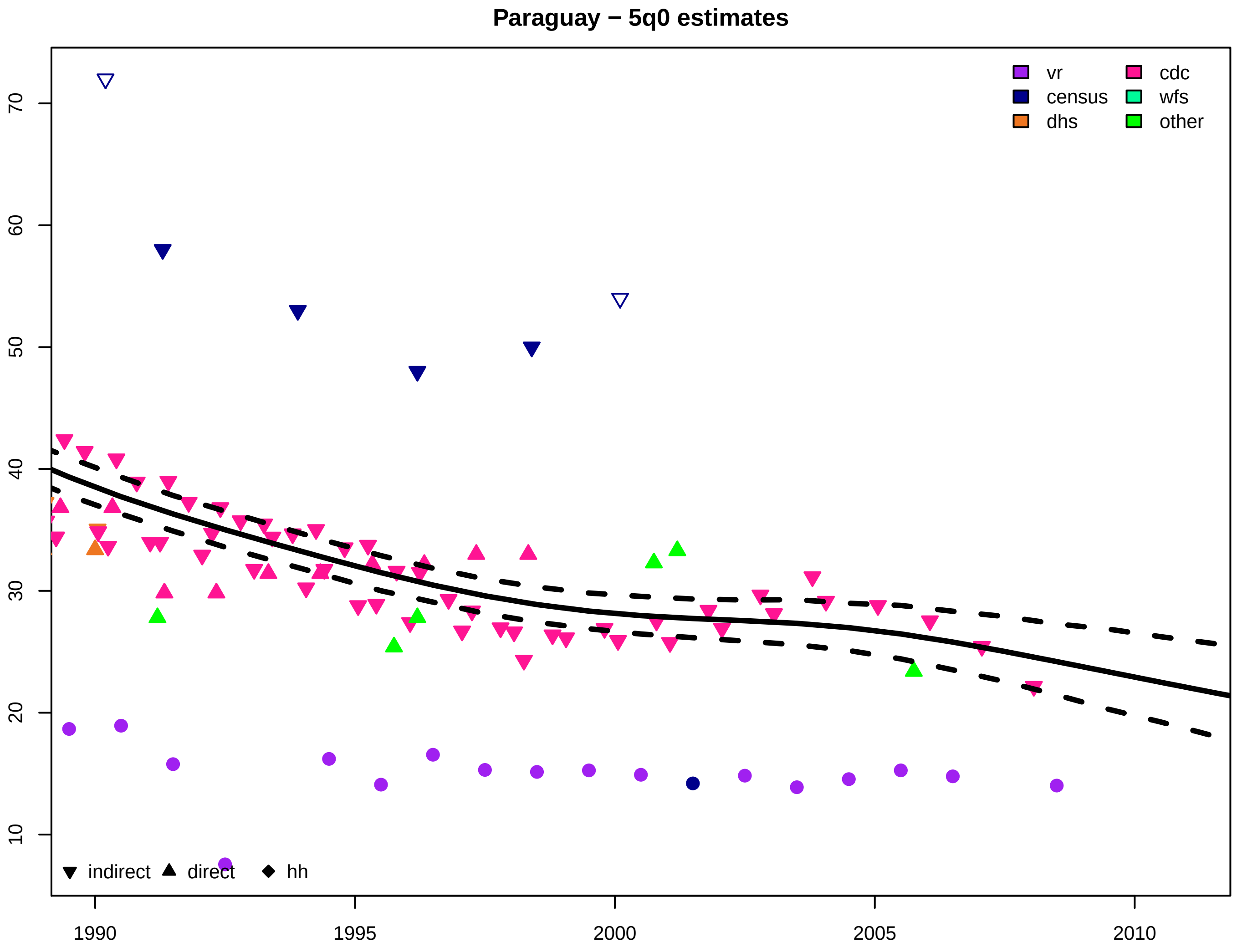

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


Panama − 5q0 estimates
vr
census
wfs
lsms
other
indirect
direct
hh
30
25
20
15
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
10
20
30

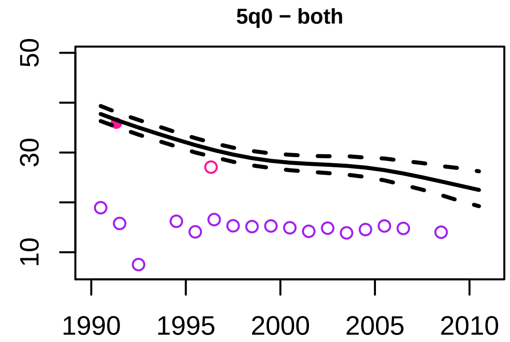

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


Papua New Guinea − 5q0 estimates
vr
dhs
census
indirect
direct
hh
180
160
140
120
100
80
60
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
40
60
80
1990
1995
2000
2005
2010

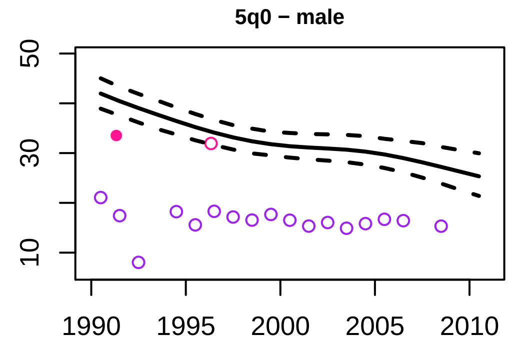

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
10
14
18
22
4
6
8
10
20
30
40
50



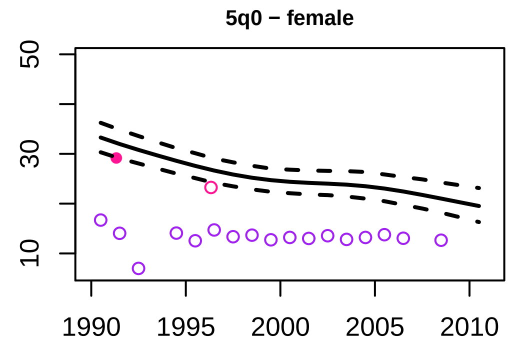
Paraguay − 5q0 estimates
vr
census
dhs
cdc
wfs
other
indirect
direct
hh
70
60
50
40
30
20
10
1990
1995
2000
2005
2010



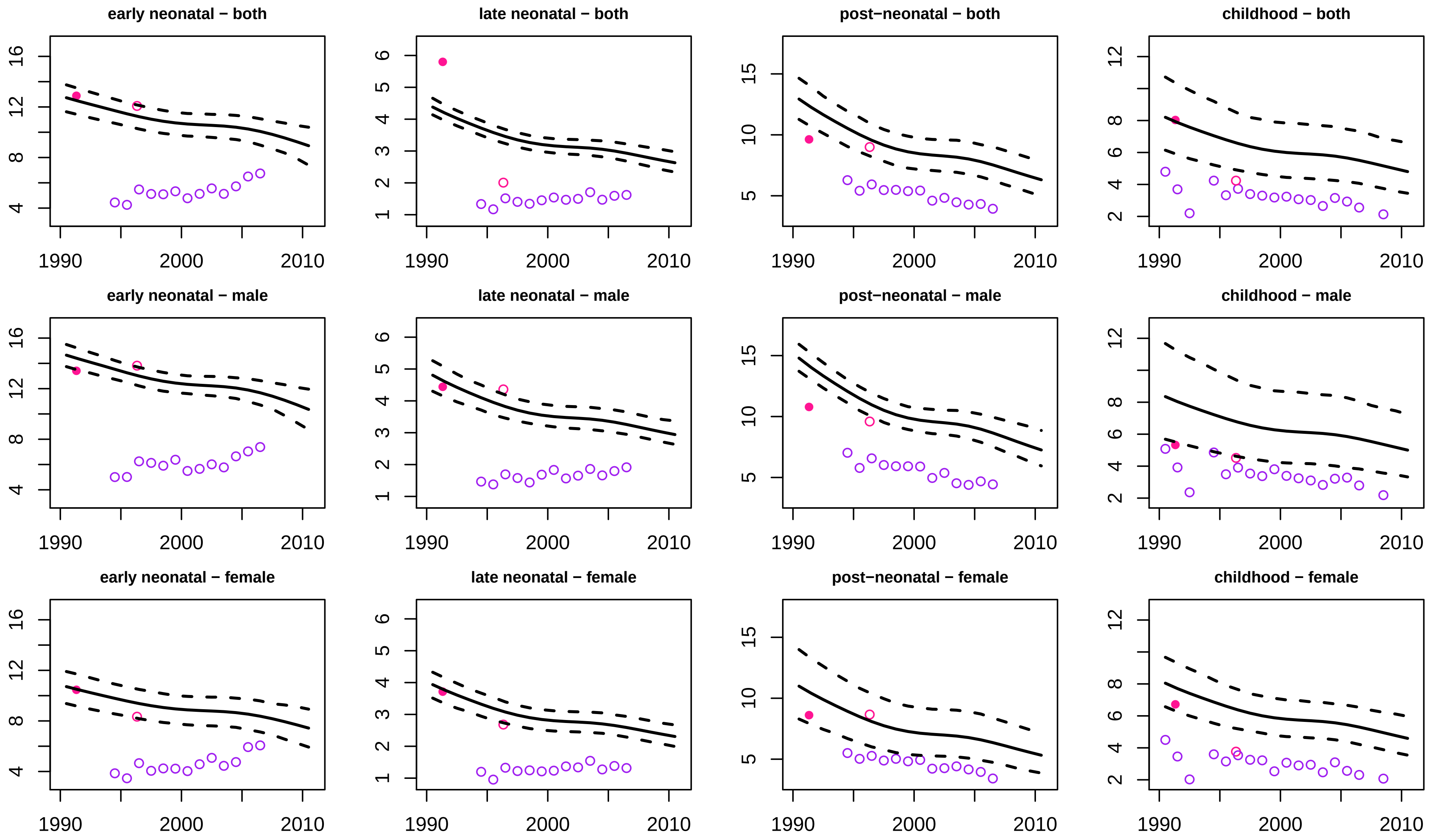
5q0 − both
50
30
10
1990
1995
2000
2005
2010



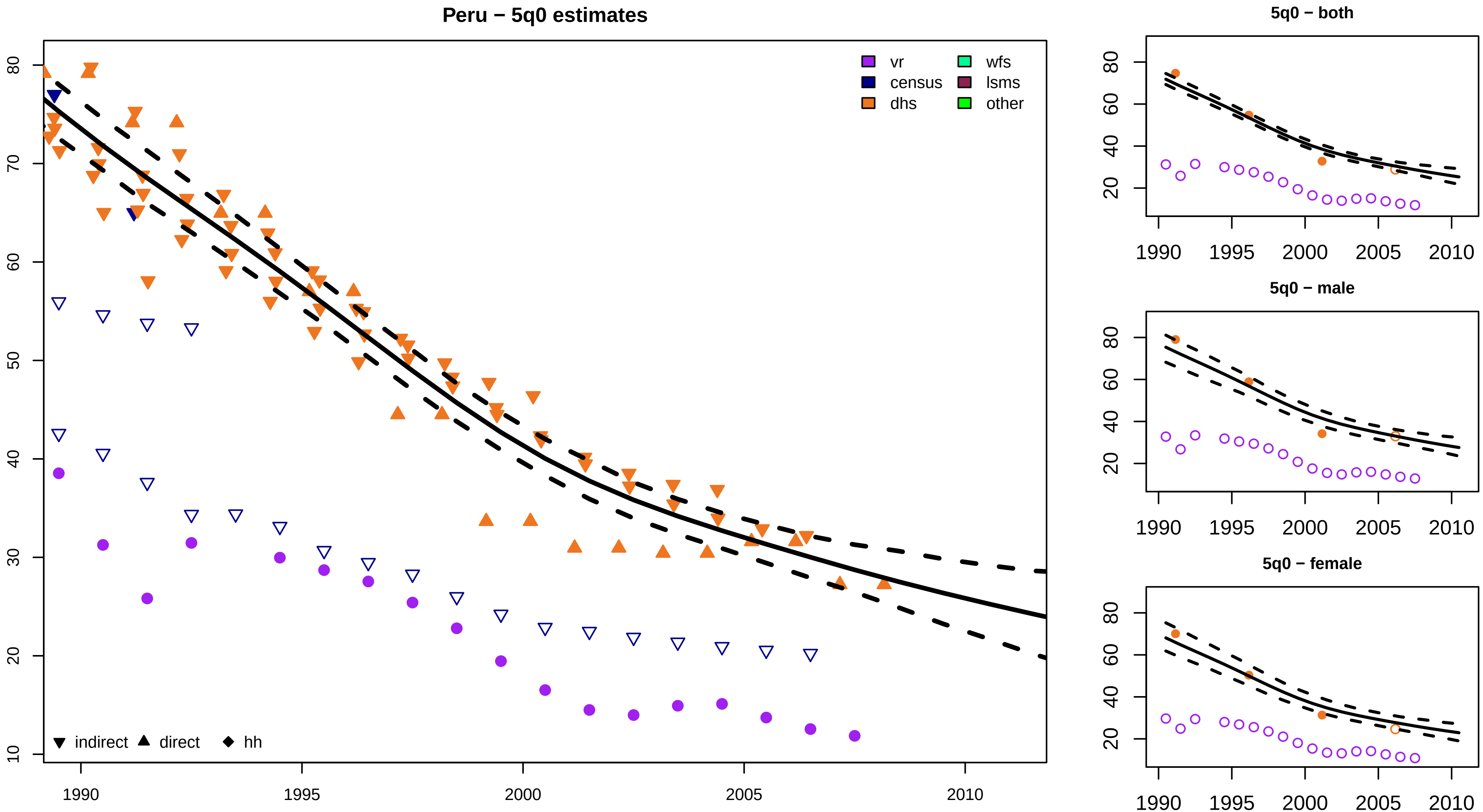
5q0 − male
50
30
10
1990
1995
2000
2005
2010



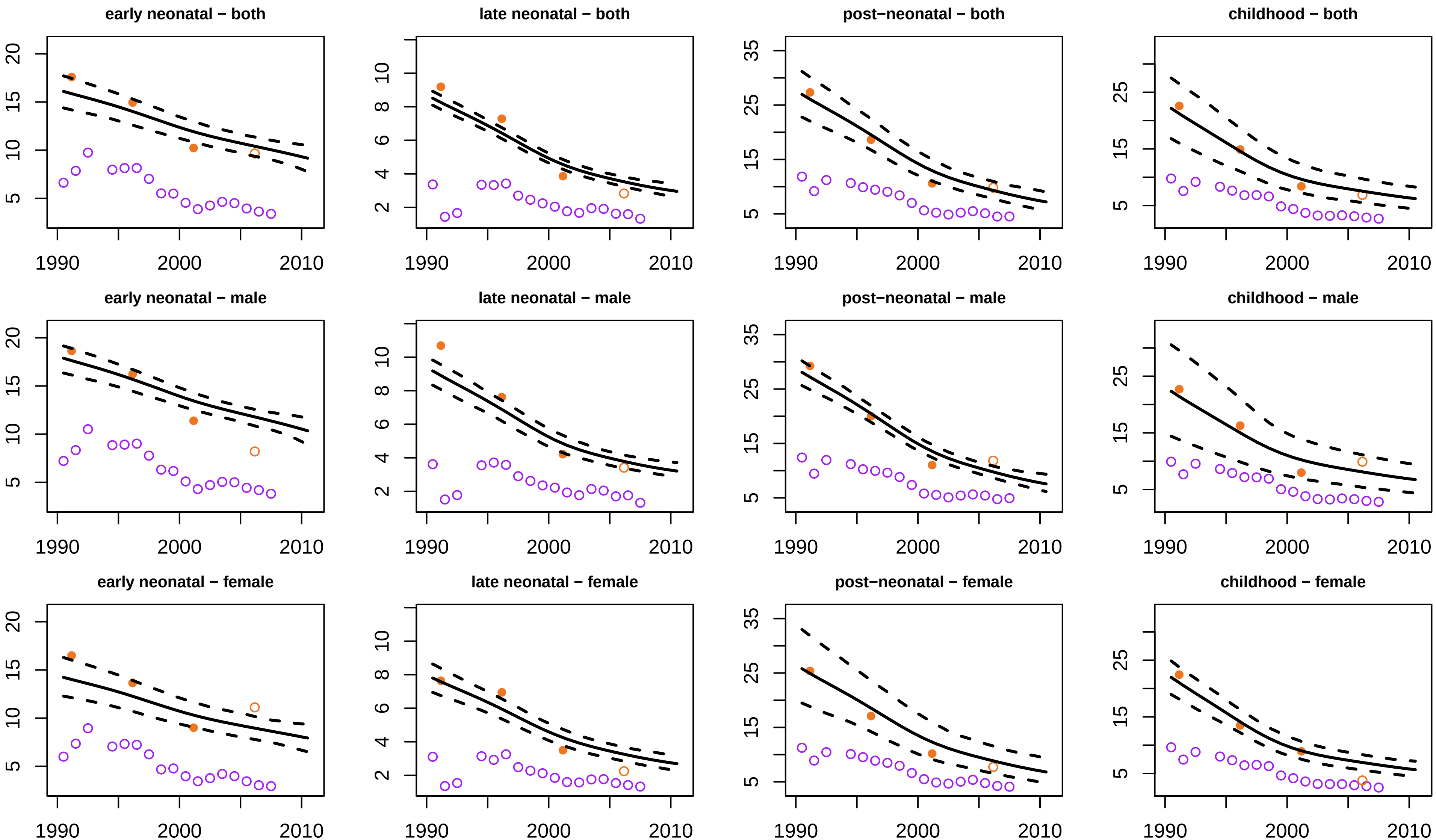
5q0 − female
50
30
10
1990
1995
2000
2005
2010

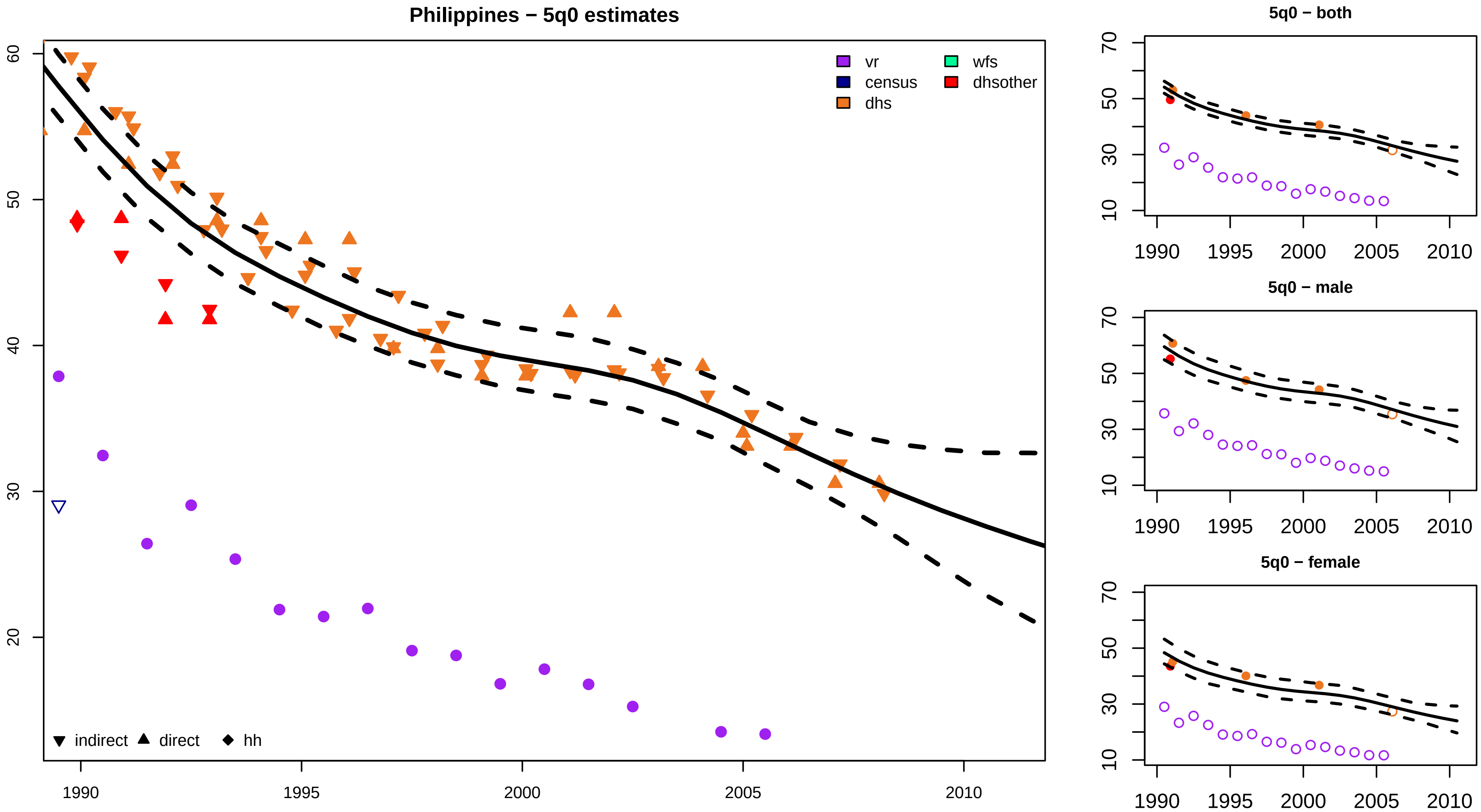


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

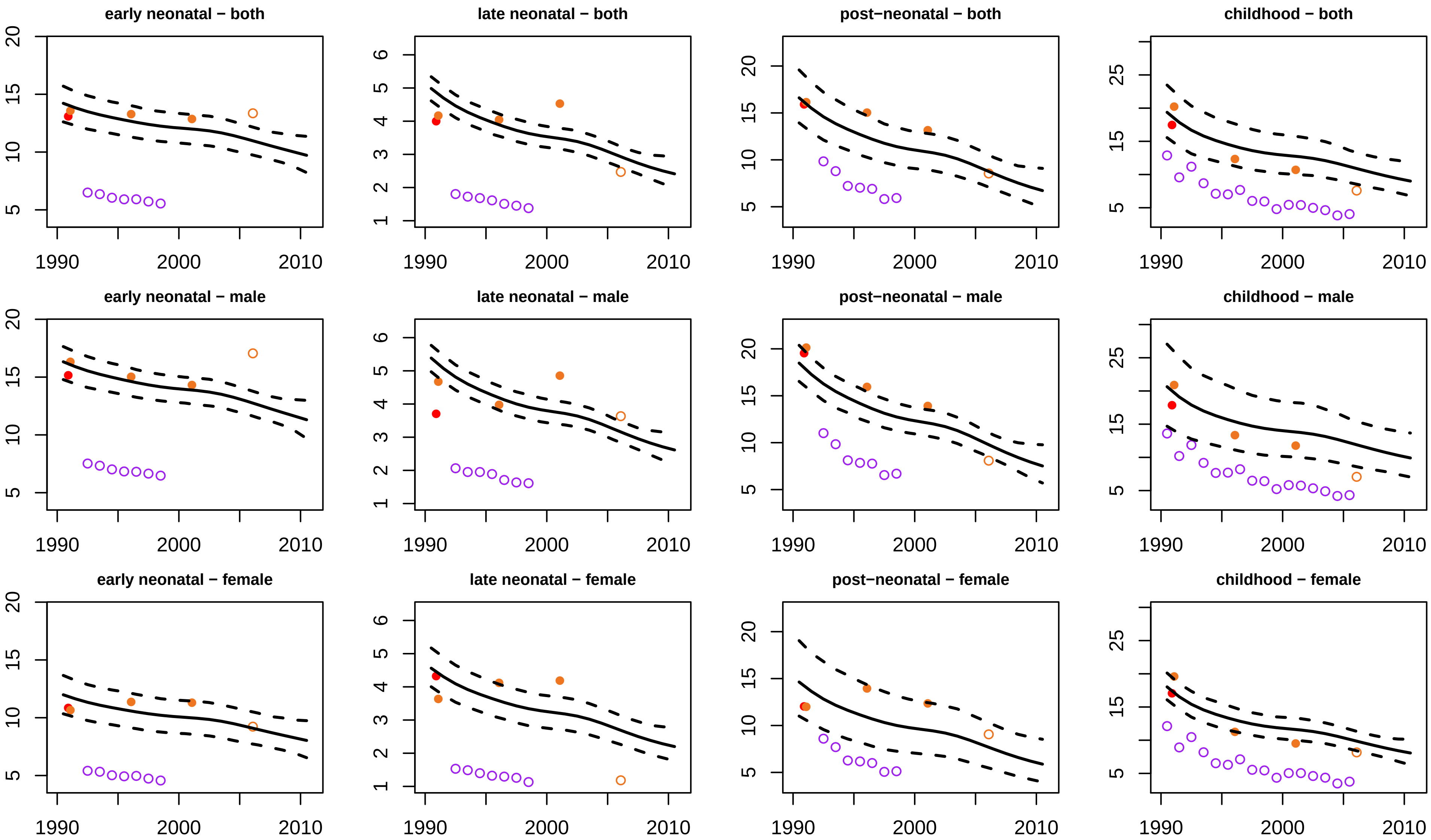


Peru − 5q0 estimates
vr
census
dhs
wfs
lsms
other
indirect
direct
hh
10
20
30
40
50
60
70
80
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

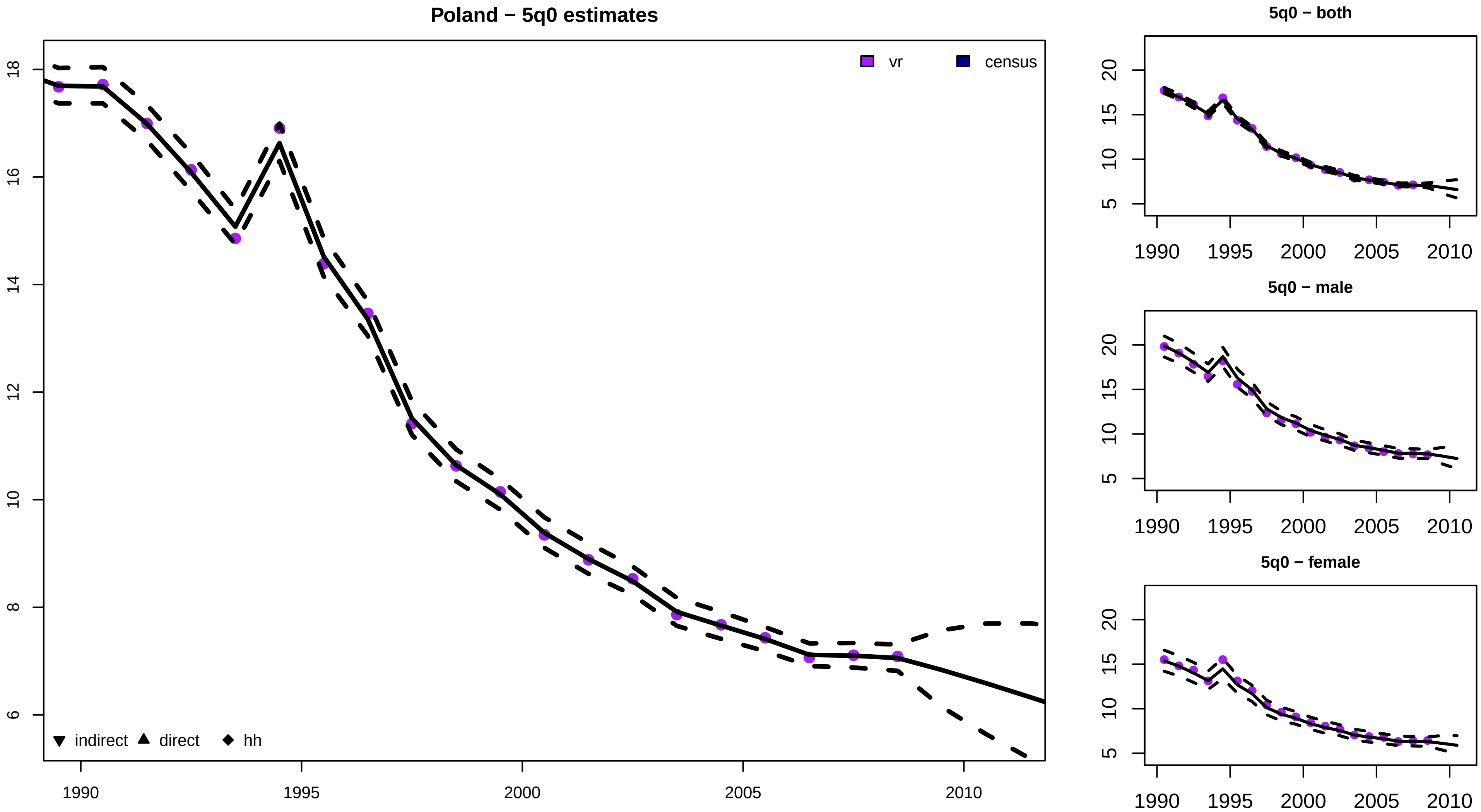

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



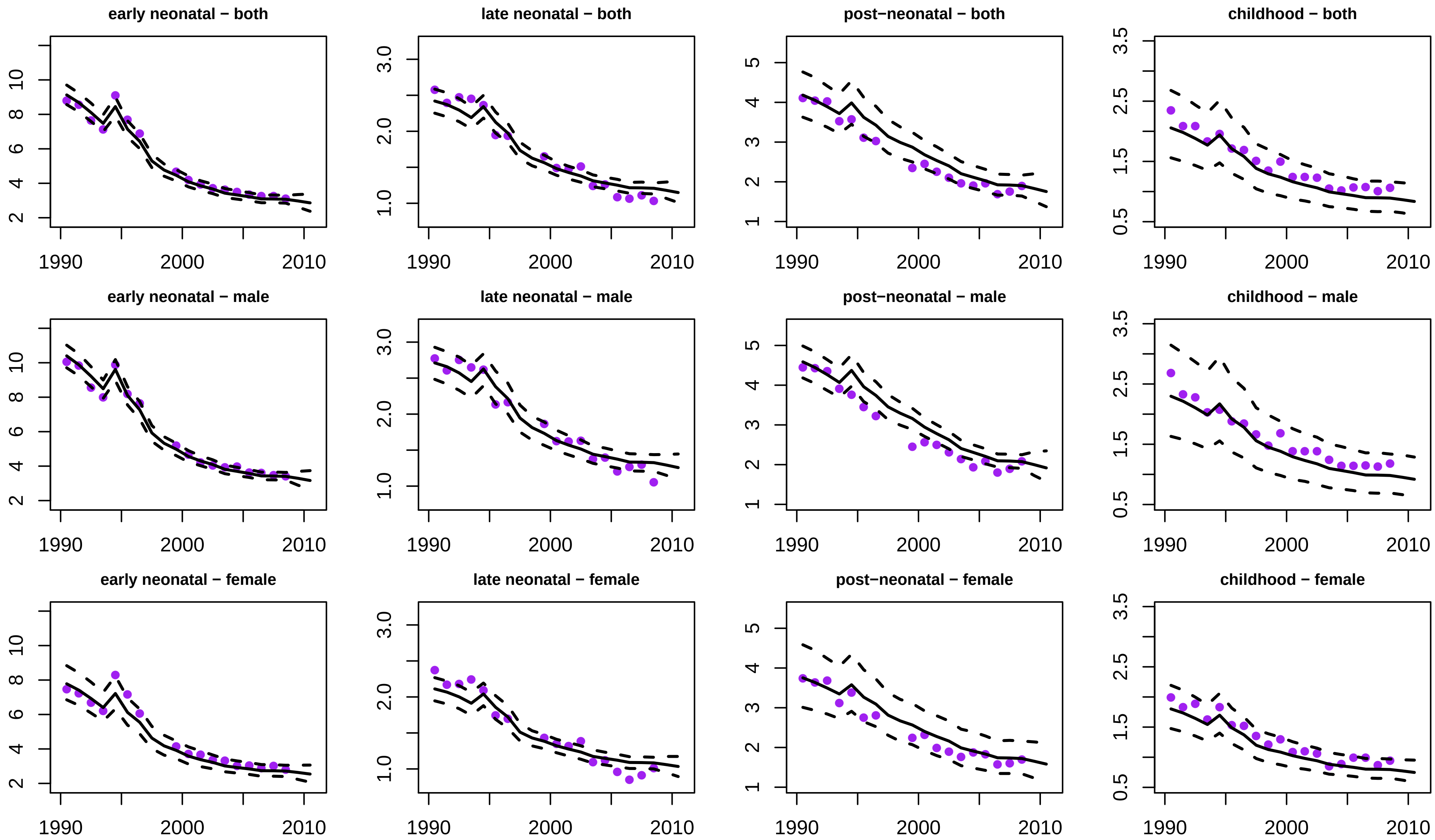
Philippines − 5q0 estimates
vr
census
dhs
wfs
dhsother
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female

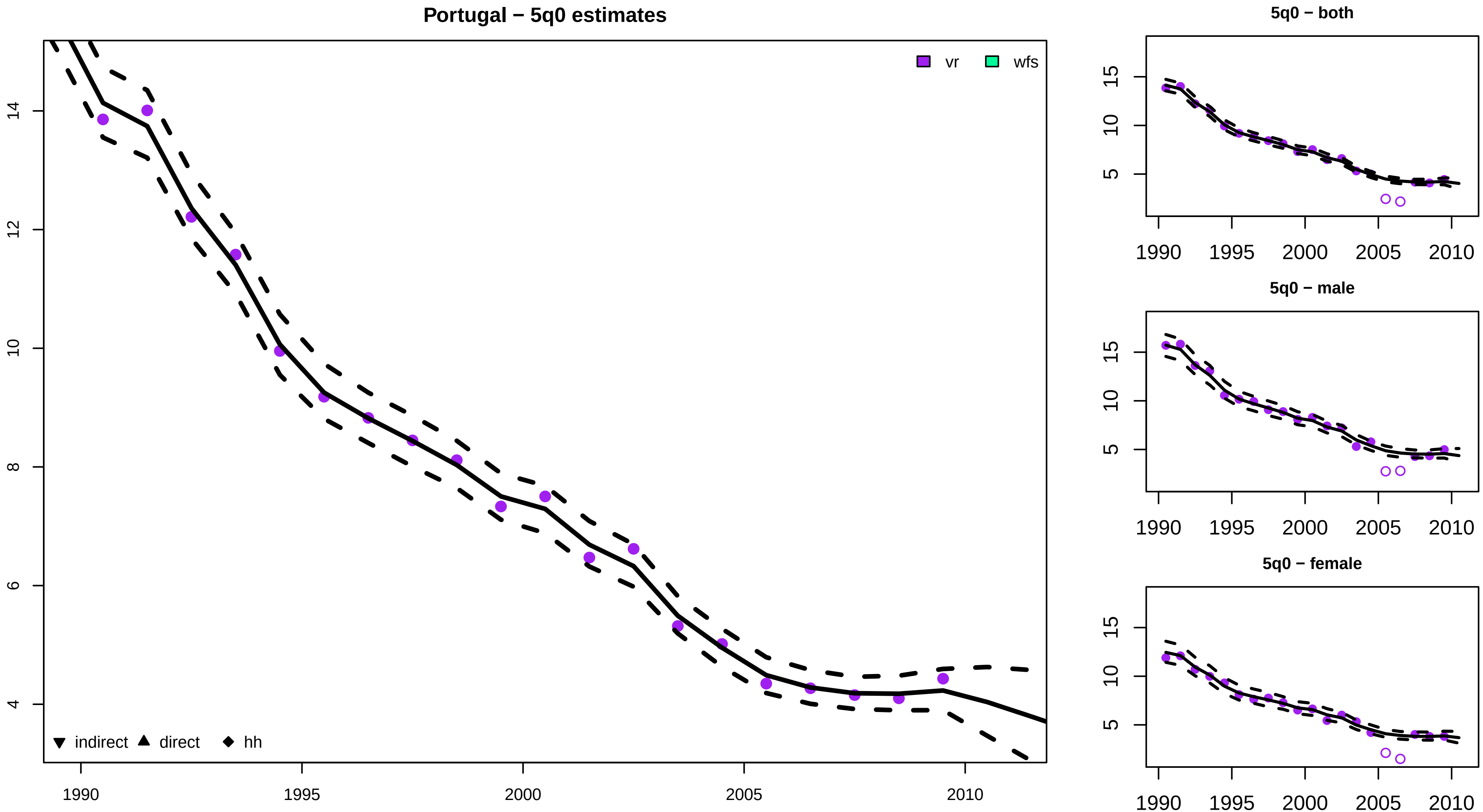


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

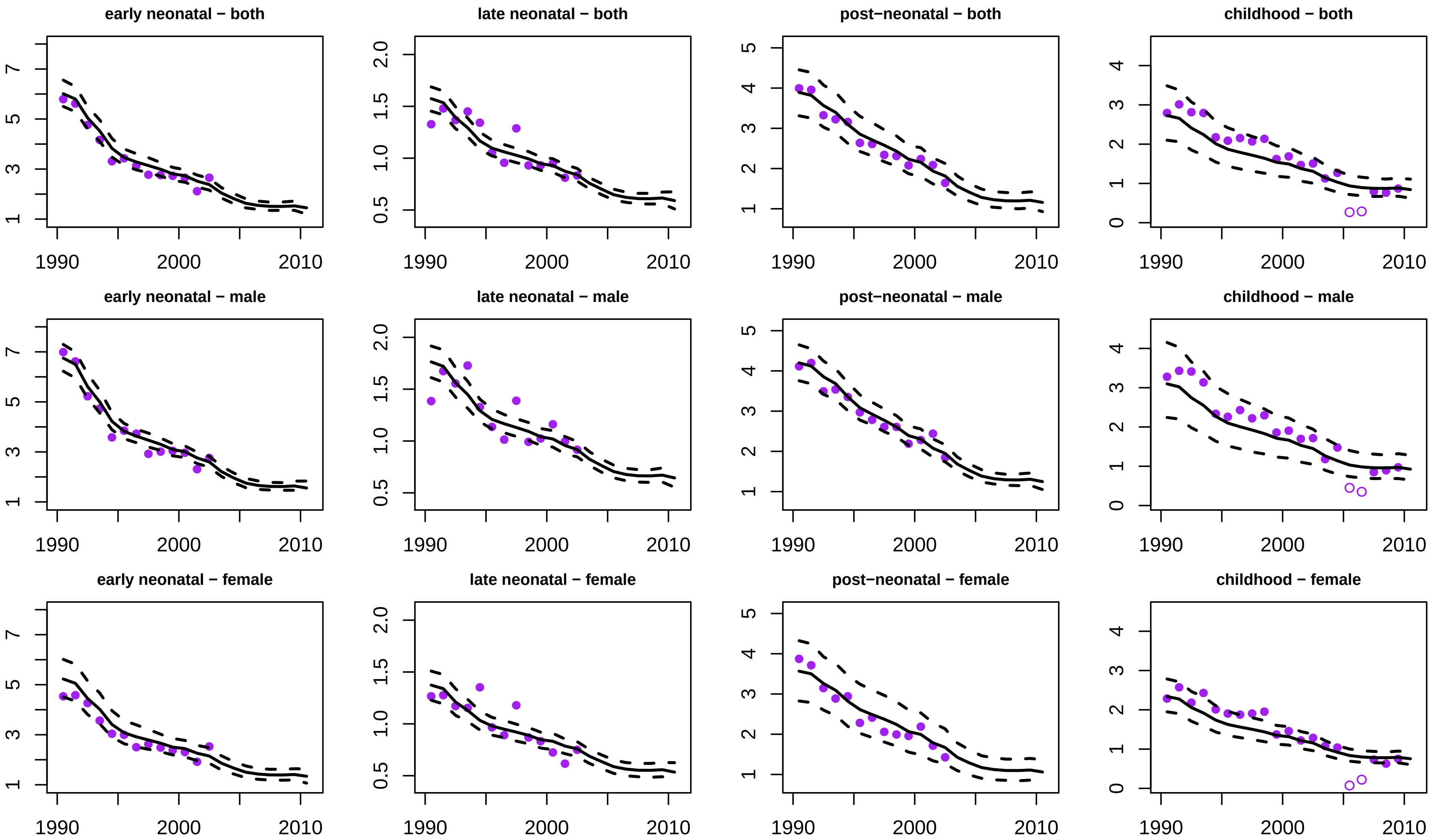


Poland − 5q0 estimates
vr
census
indirect
direct
hh
18
16
14
12
10
8
6
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
20
15
10
5

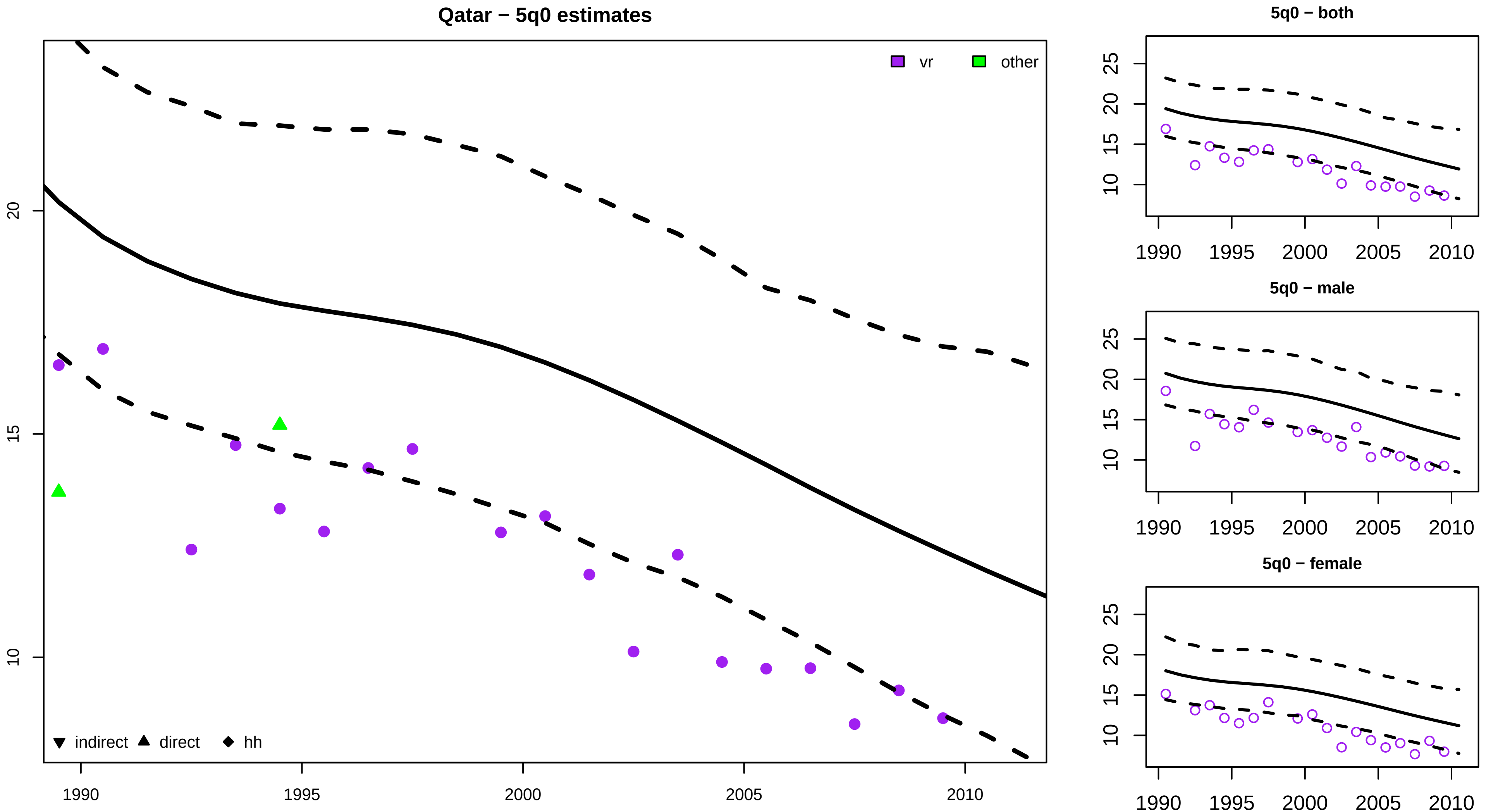

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



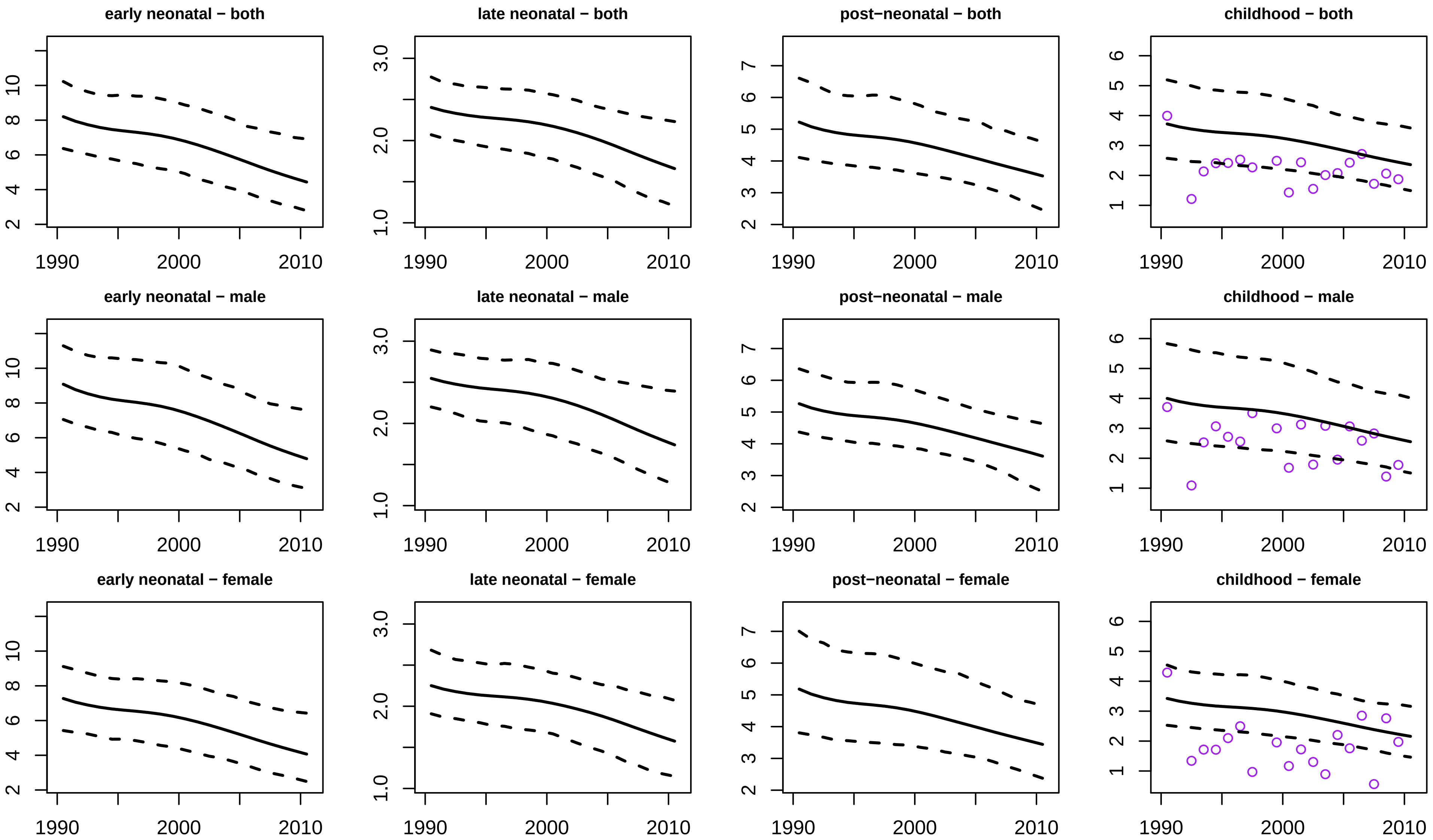
Portugal − 5q0 estimates
vr
wfs
indirect
direct
hh
4
6
8
10
12
14
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
5
10
15

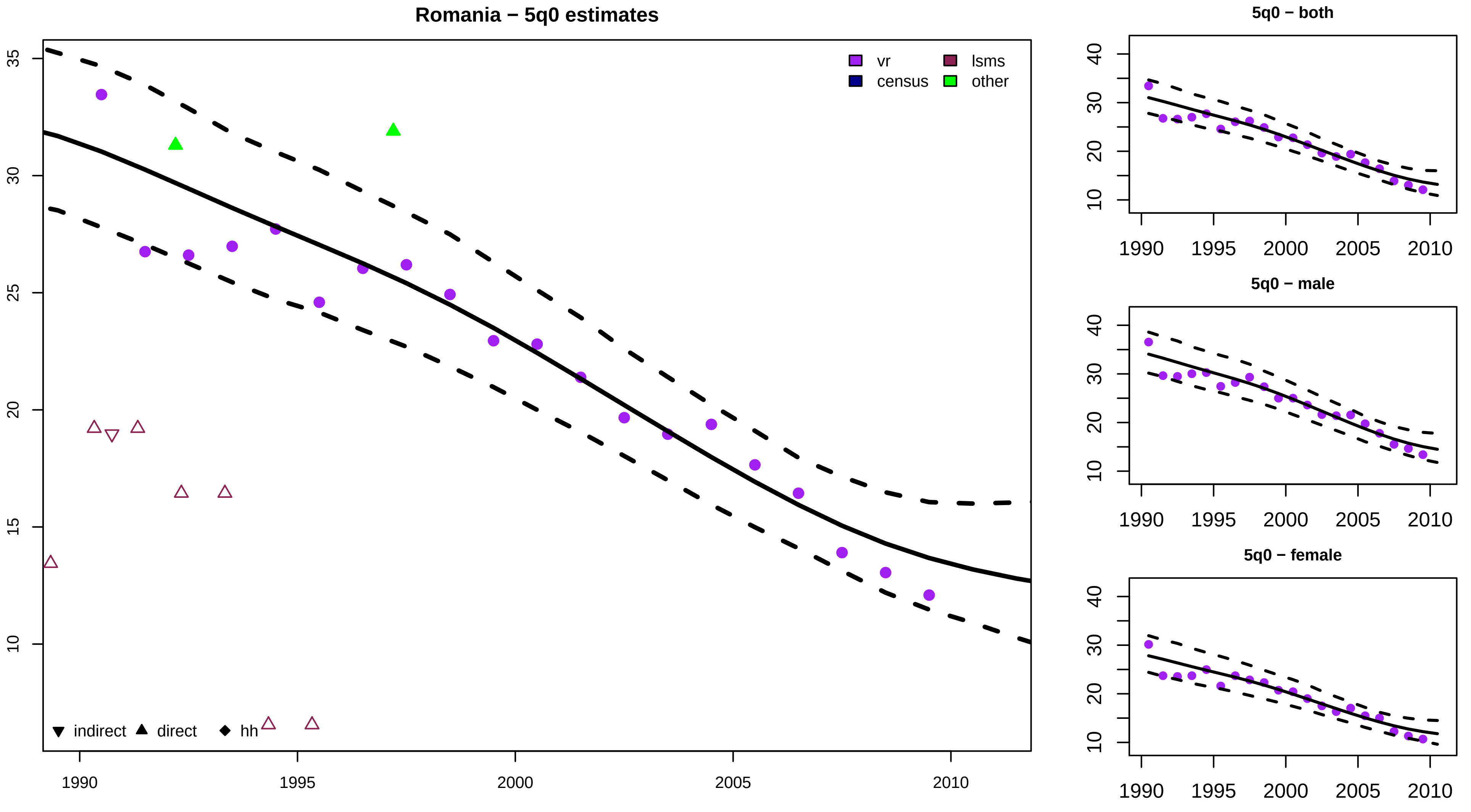


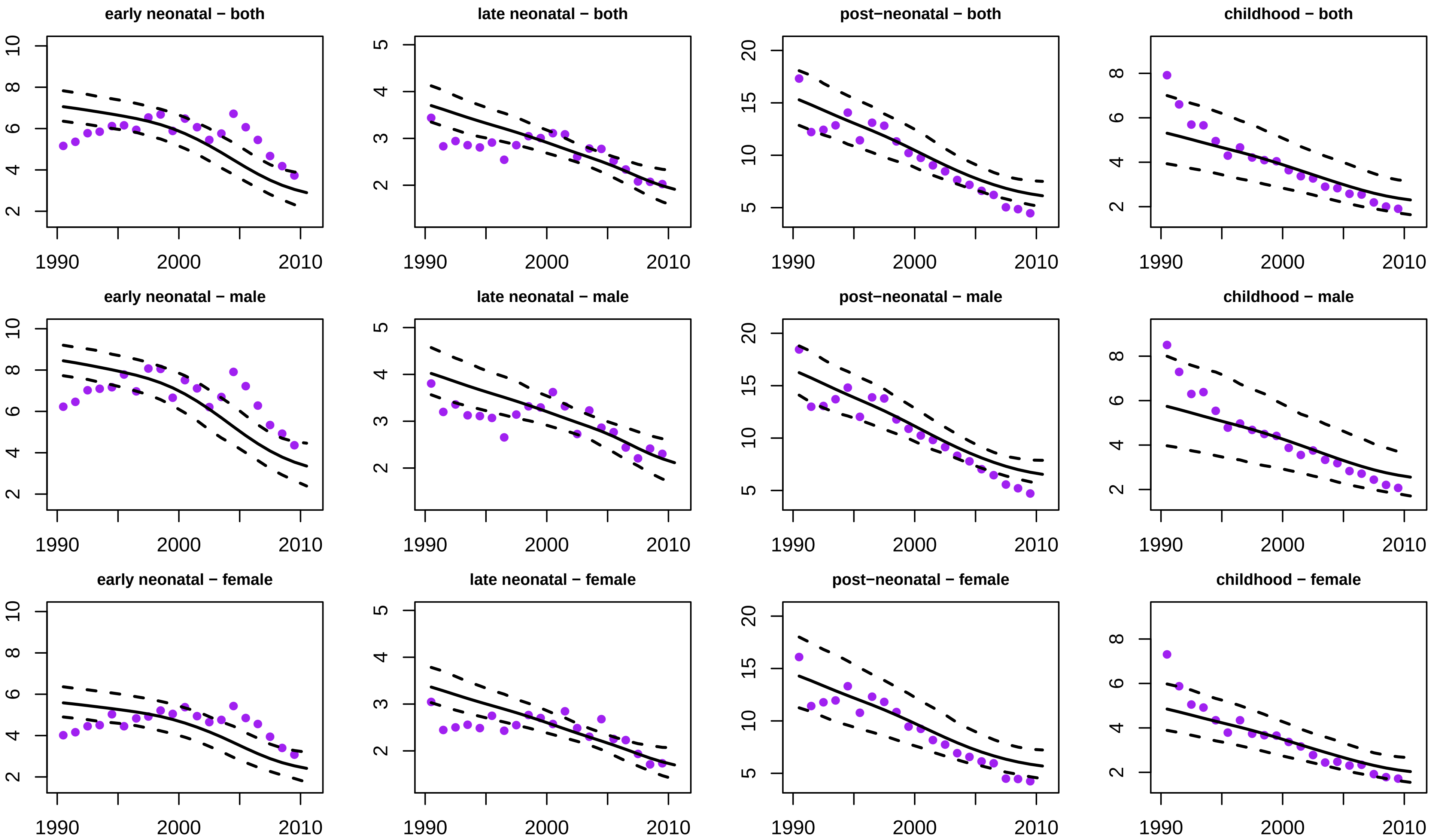
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

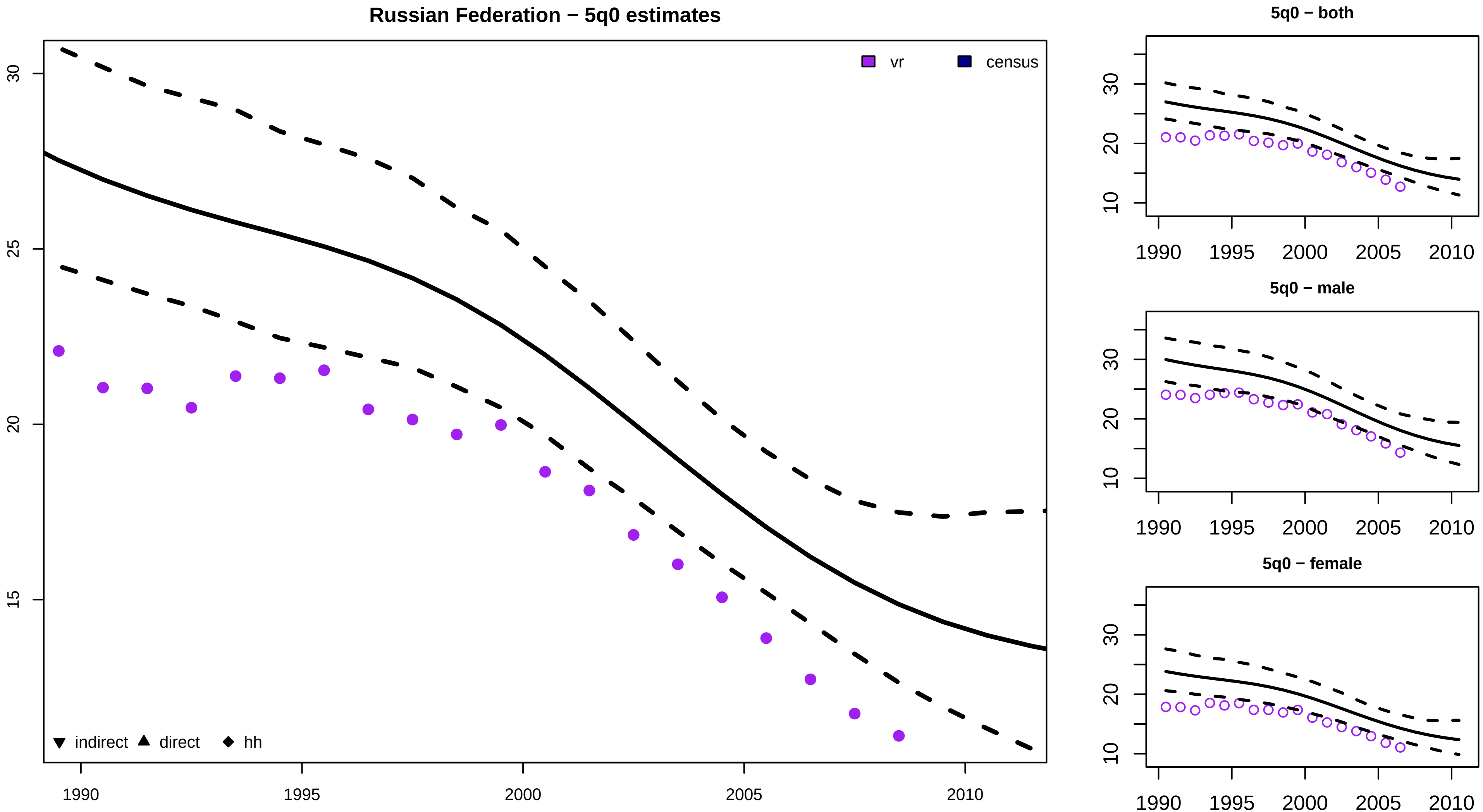


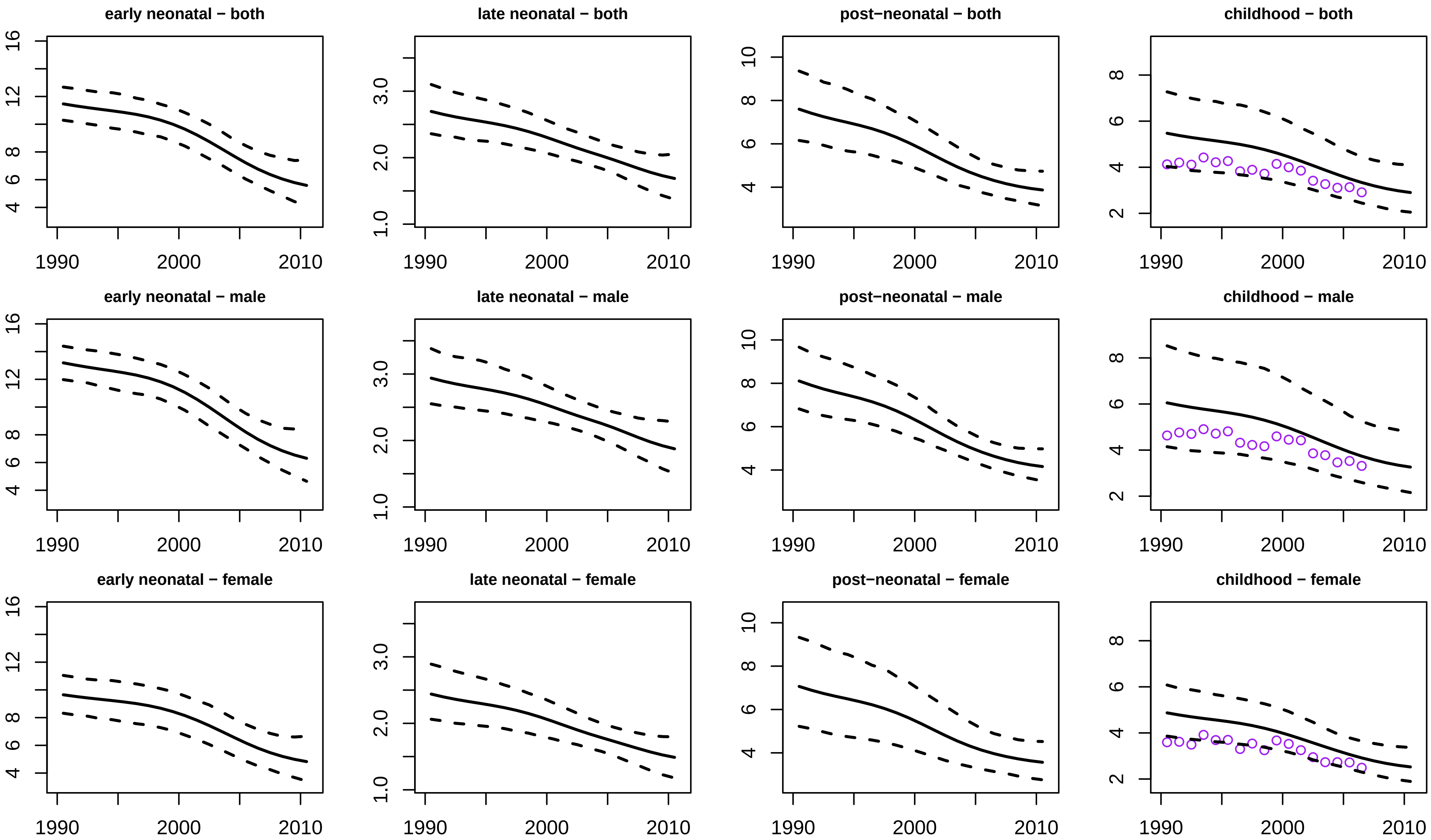
Qatar − 5q0 estimates
vr
other
indirect
direct
hh
20
15
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
25
20
15
10

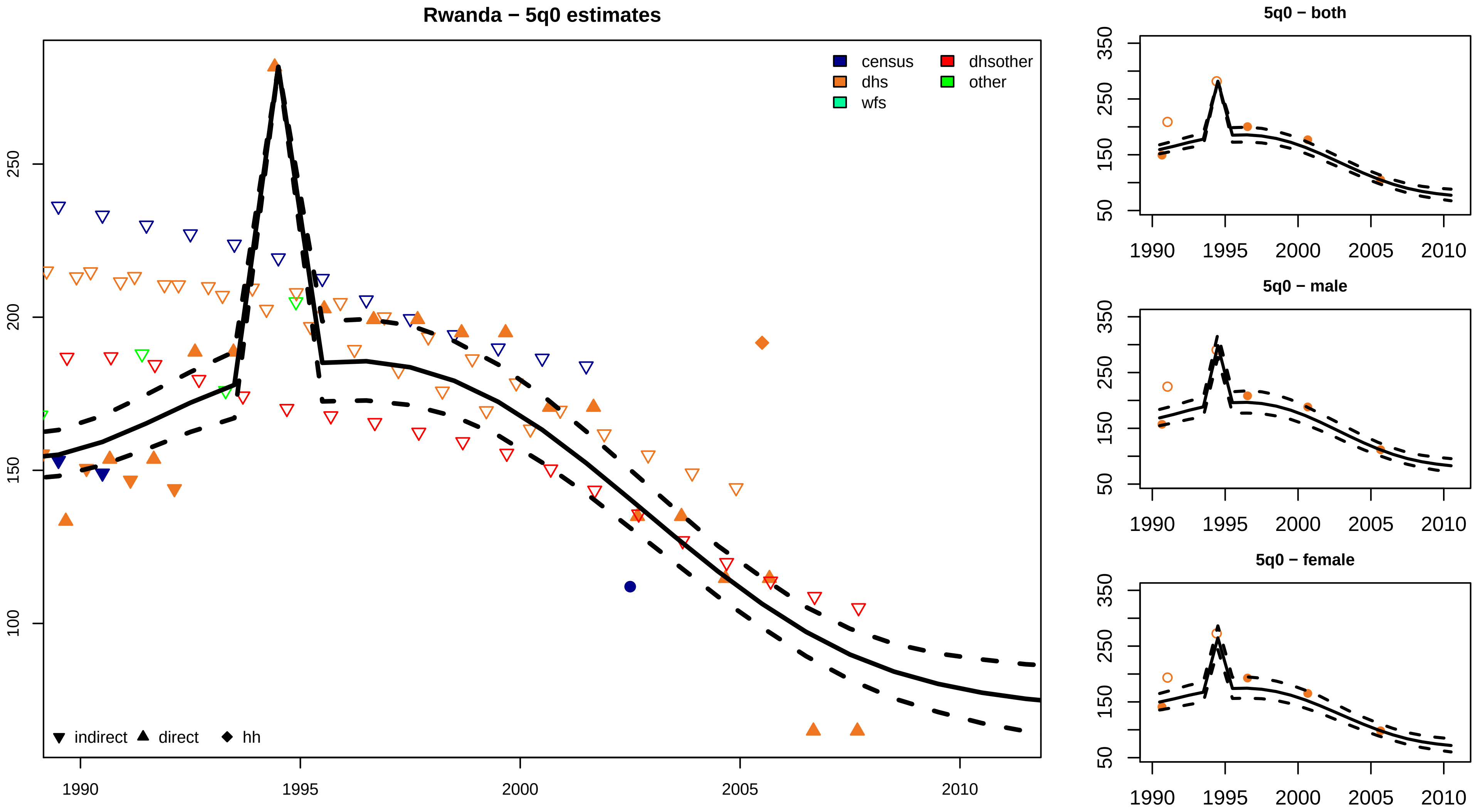

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


Romania − 5q0 estimates
vr
census
lsms
other
indirect
direct
hh
35
30
25
20
15
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
40
30
20
10

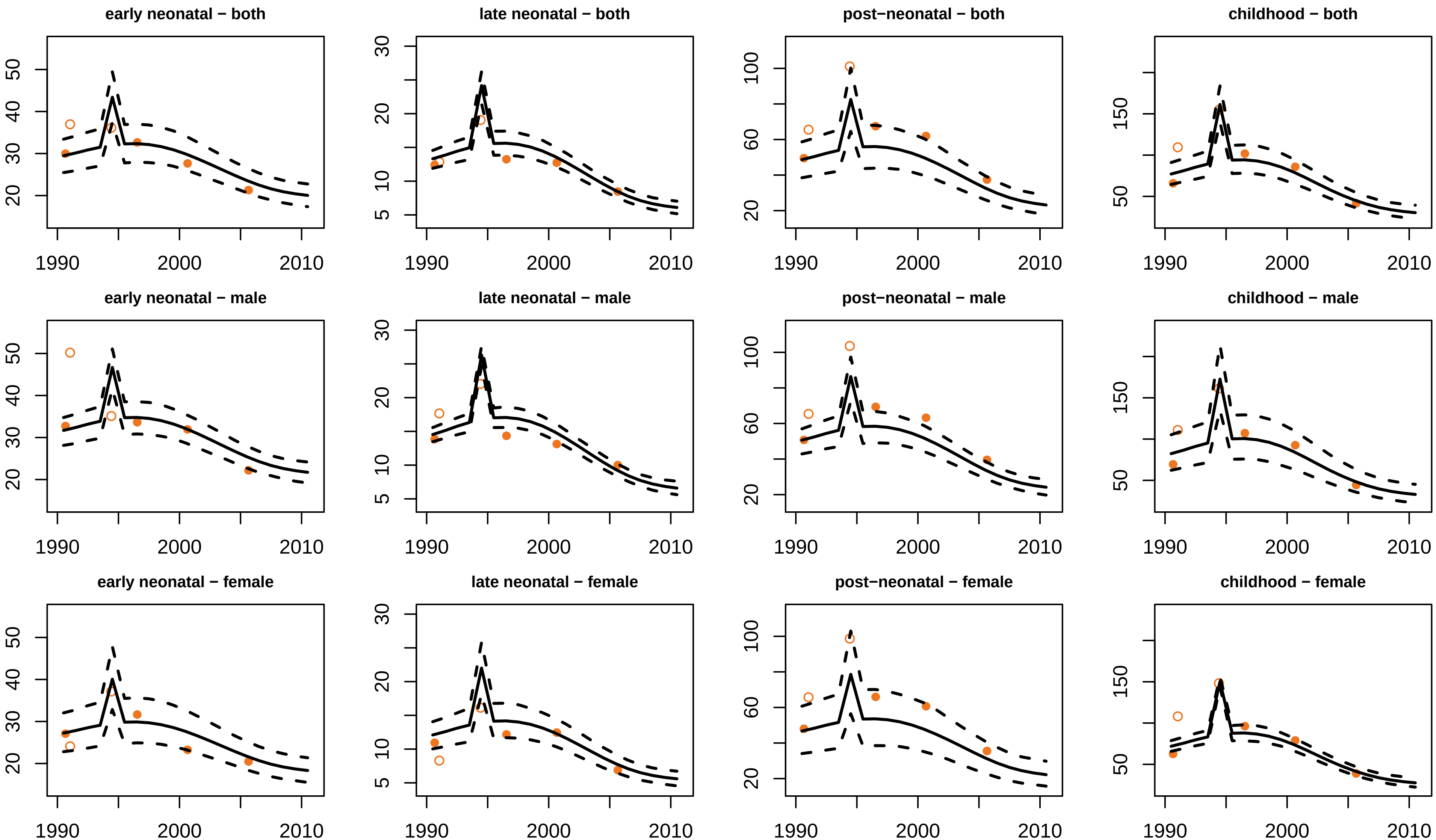

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

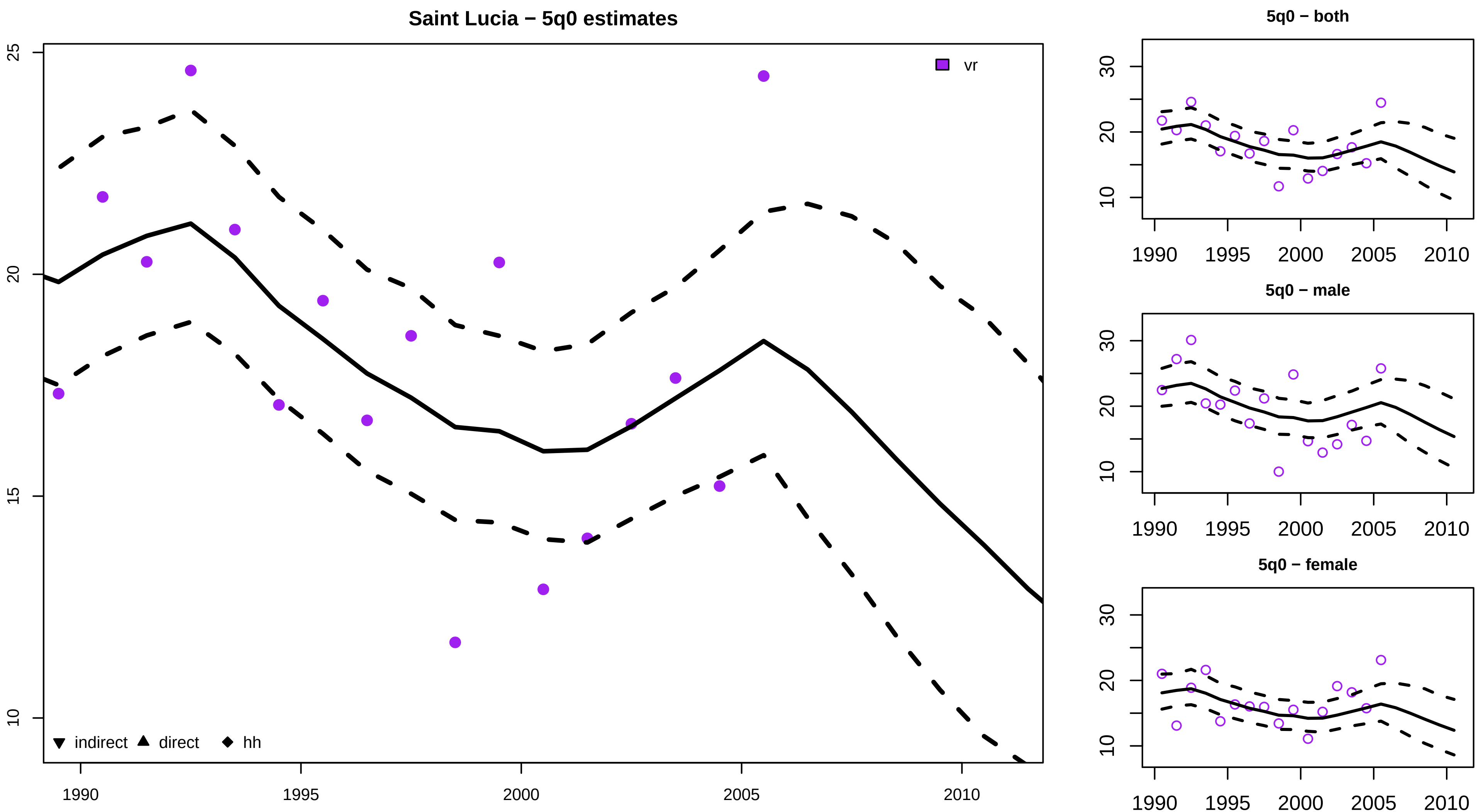

Russian Federation − 5q0 estimates
vr
census
indirect
direct
hh
30
25
20
15
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
10


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
4
6
8
12
16
1.0
2.0
3.0
10
2

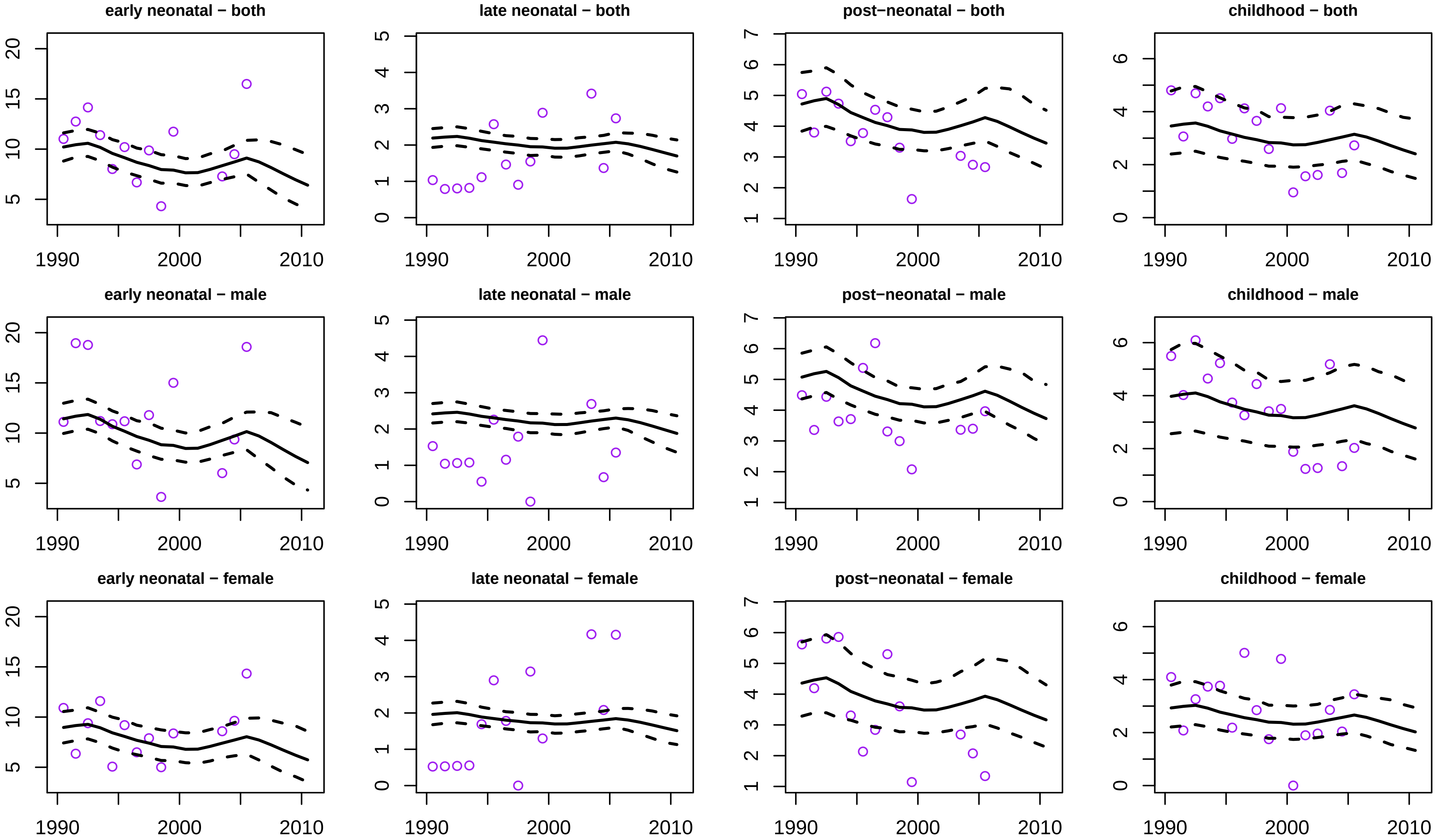


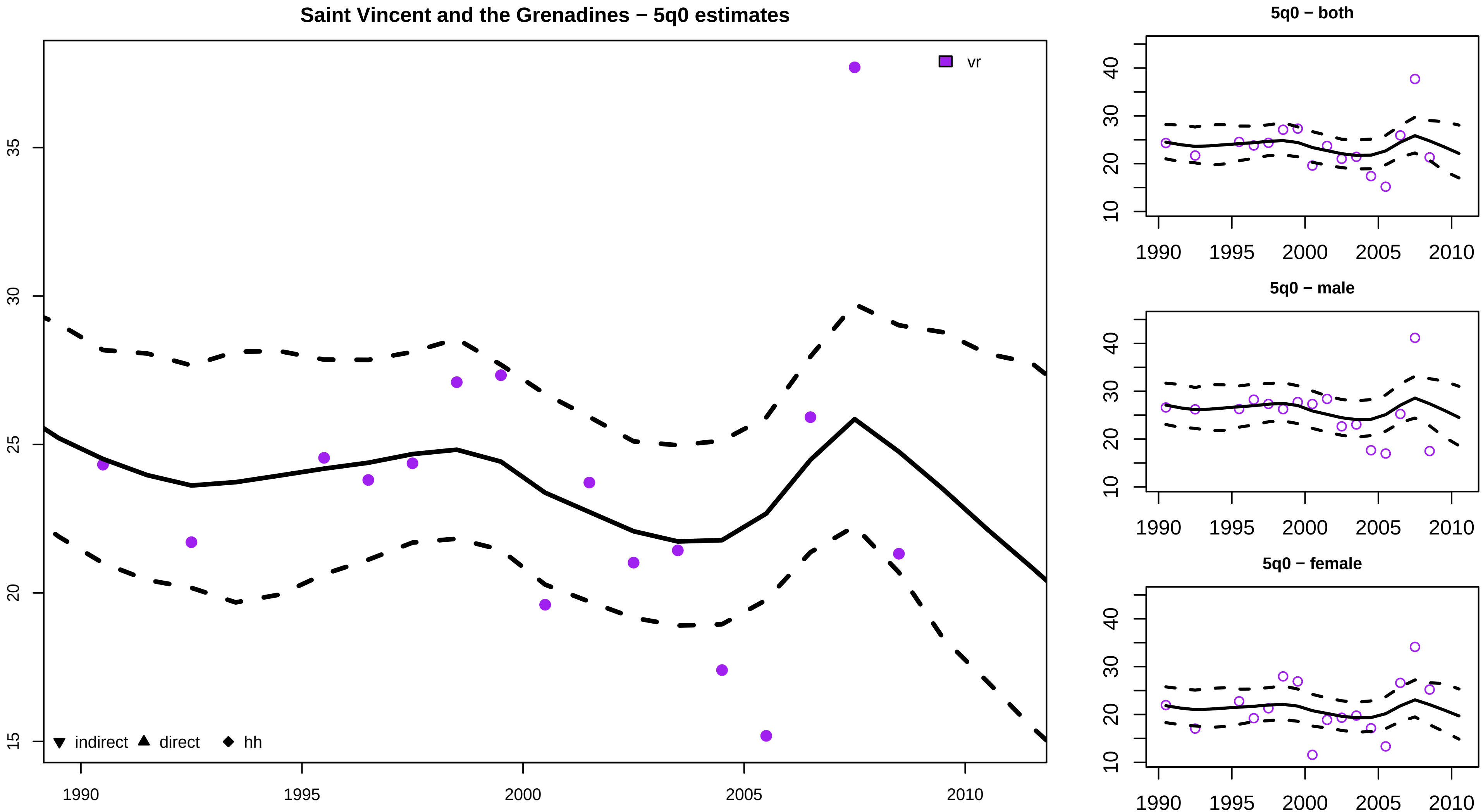
Rwanda − 5q0 estimates
census
dhs
wfs
dhsother
other
indirect
direct
hh
100
150
200
250
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
50
150
250
350

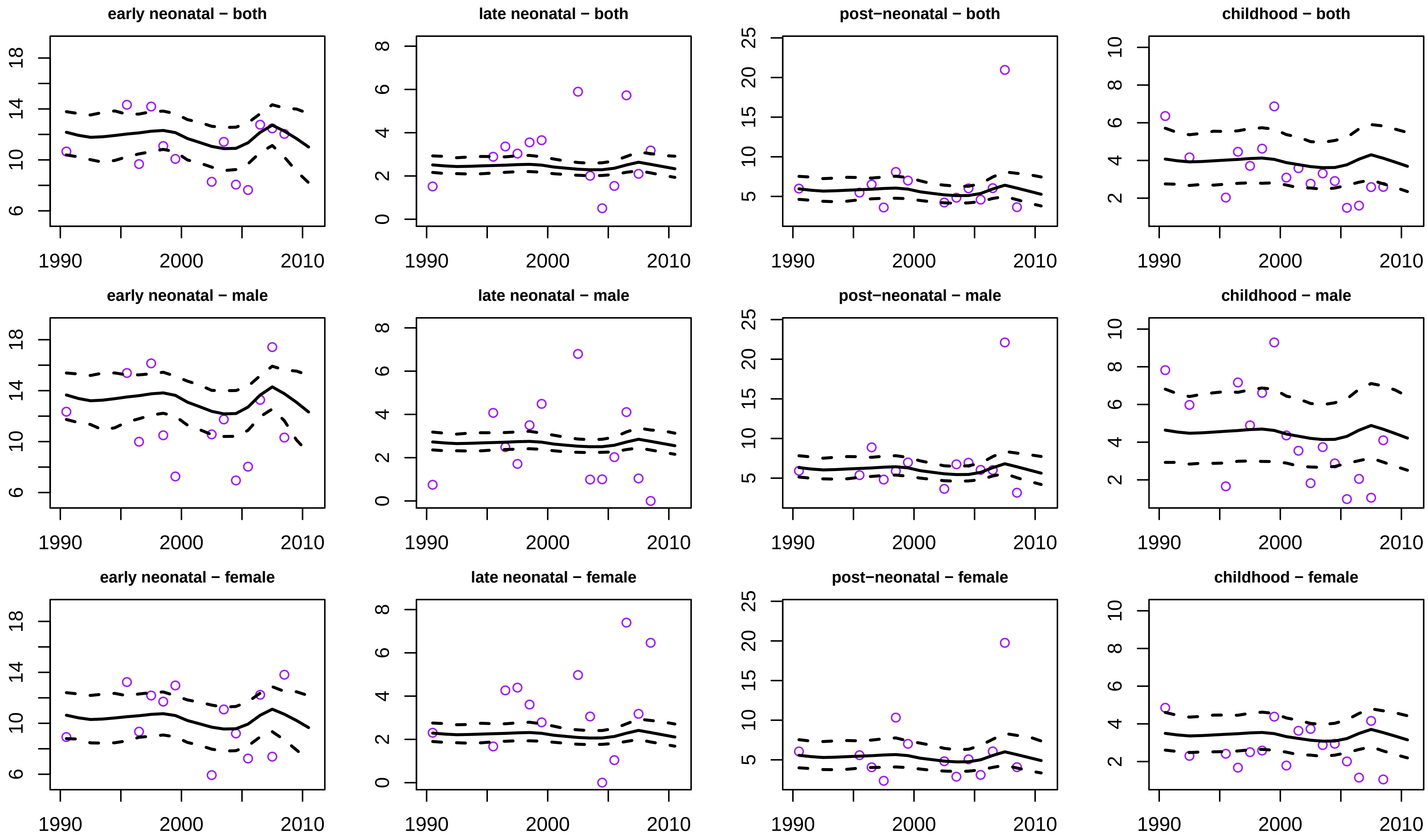

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



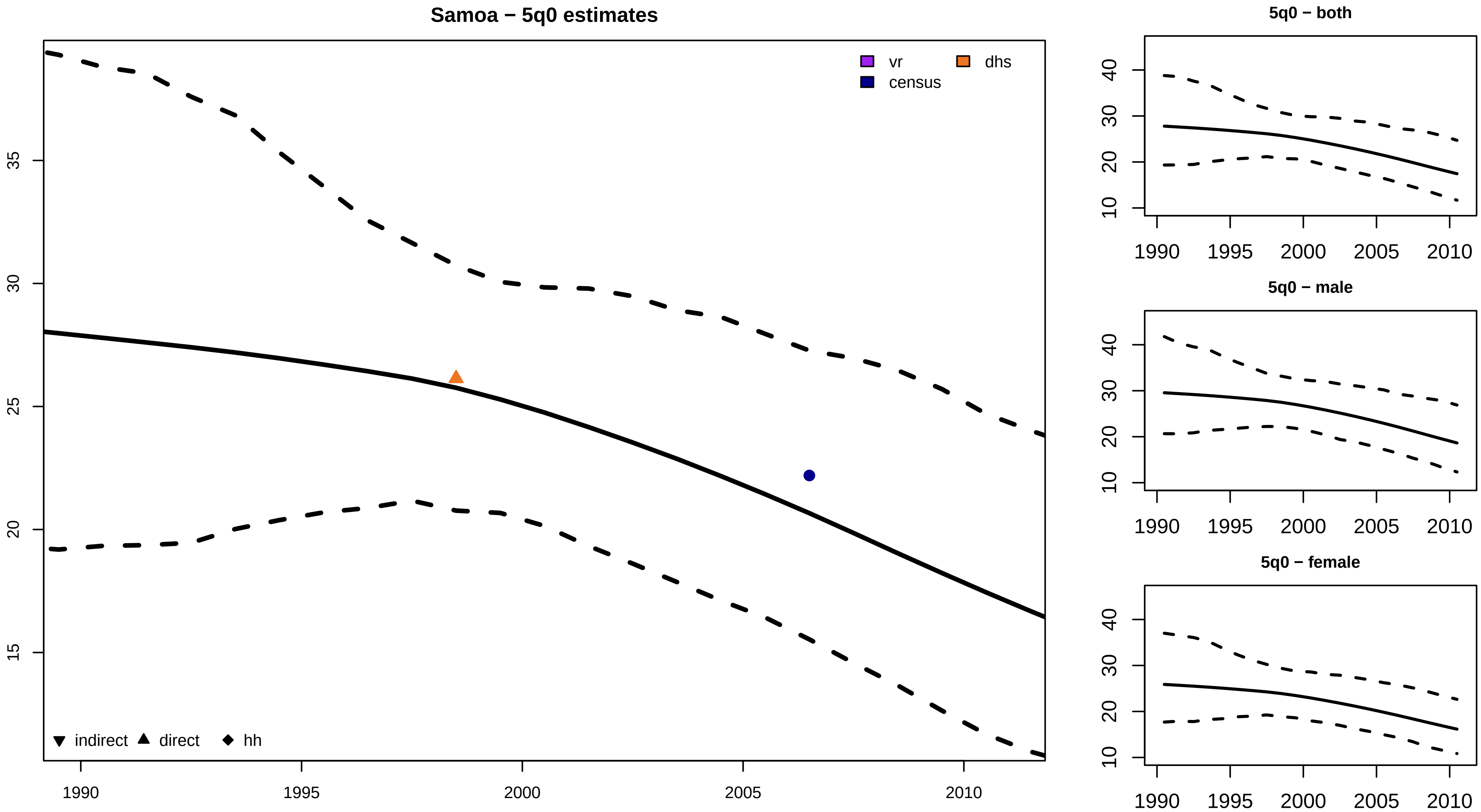
Saint Lucia − 5q0 estimates
vr
indirect
direct
hh
25
20
15
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
30
20
10

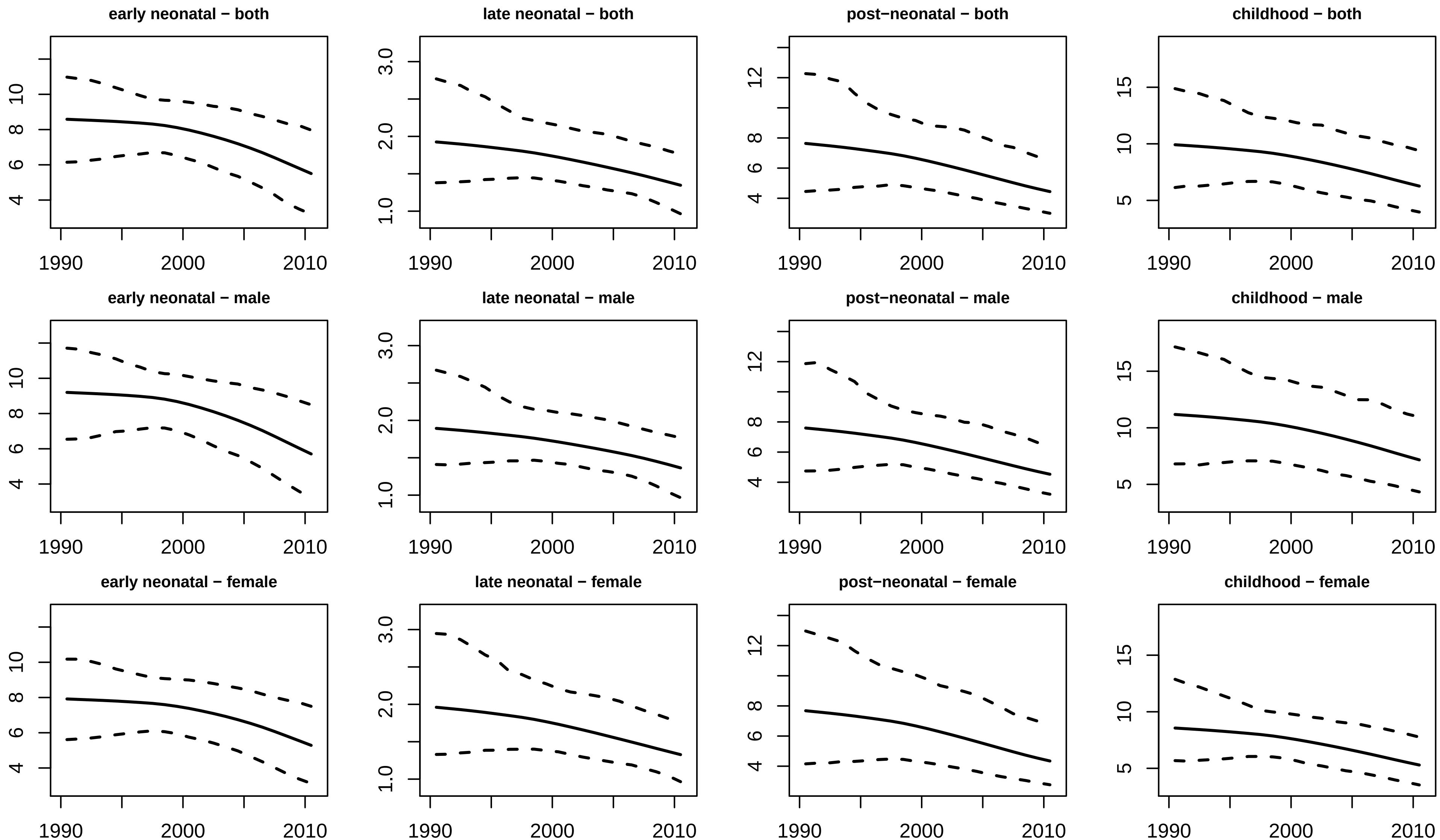

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

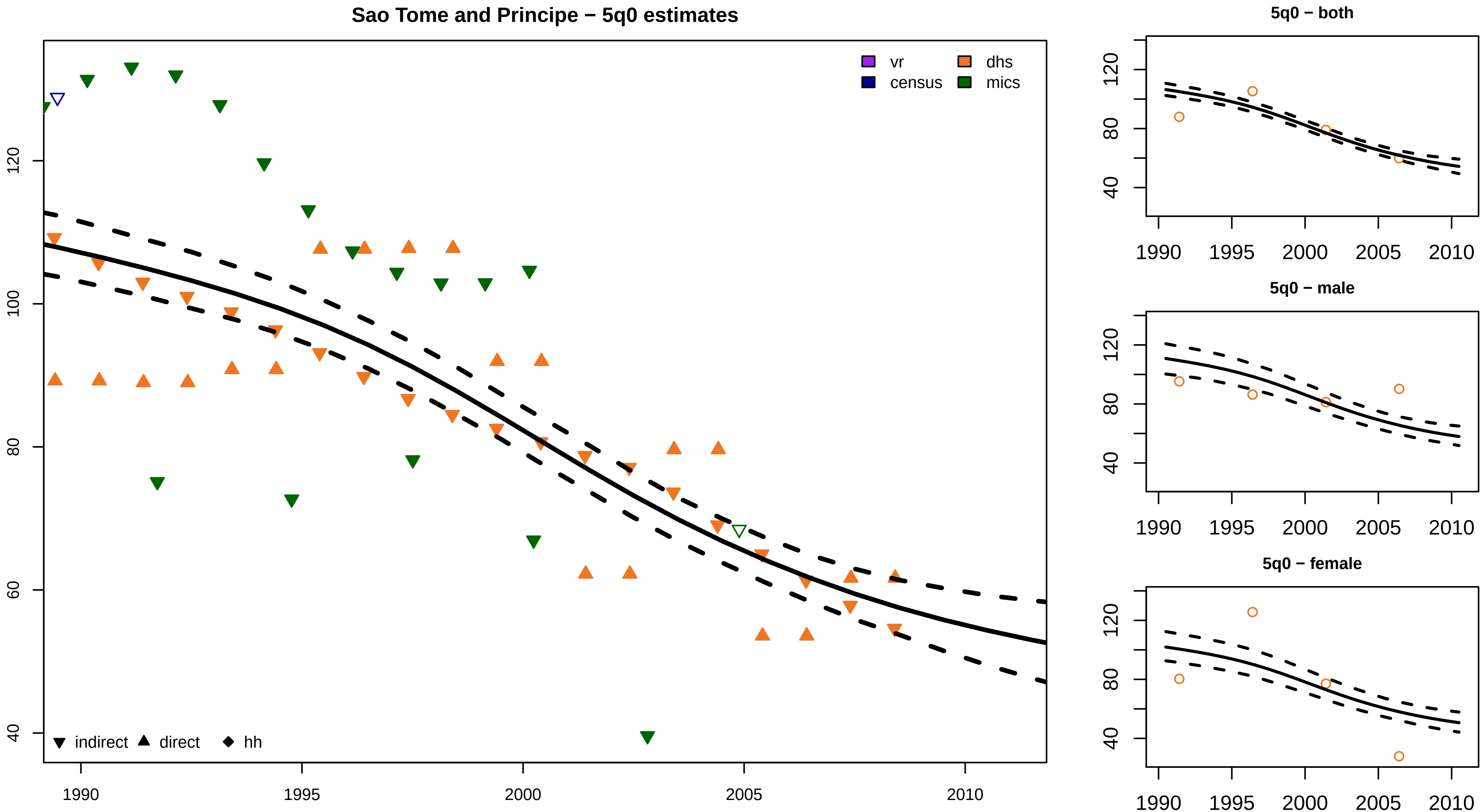

Saint Vincent and the Grenadines − 5q0 estimates
vr
indirect
direct
hh
15
20
25
30
35
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female



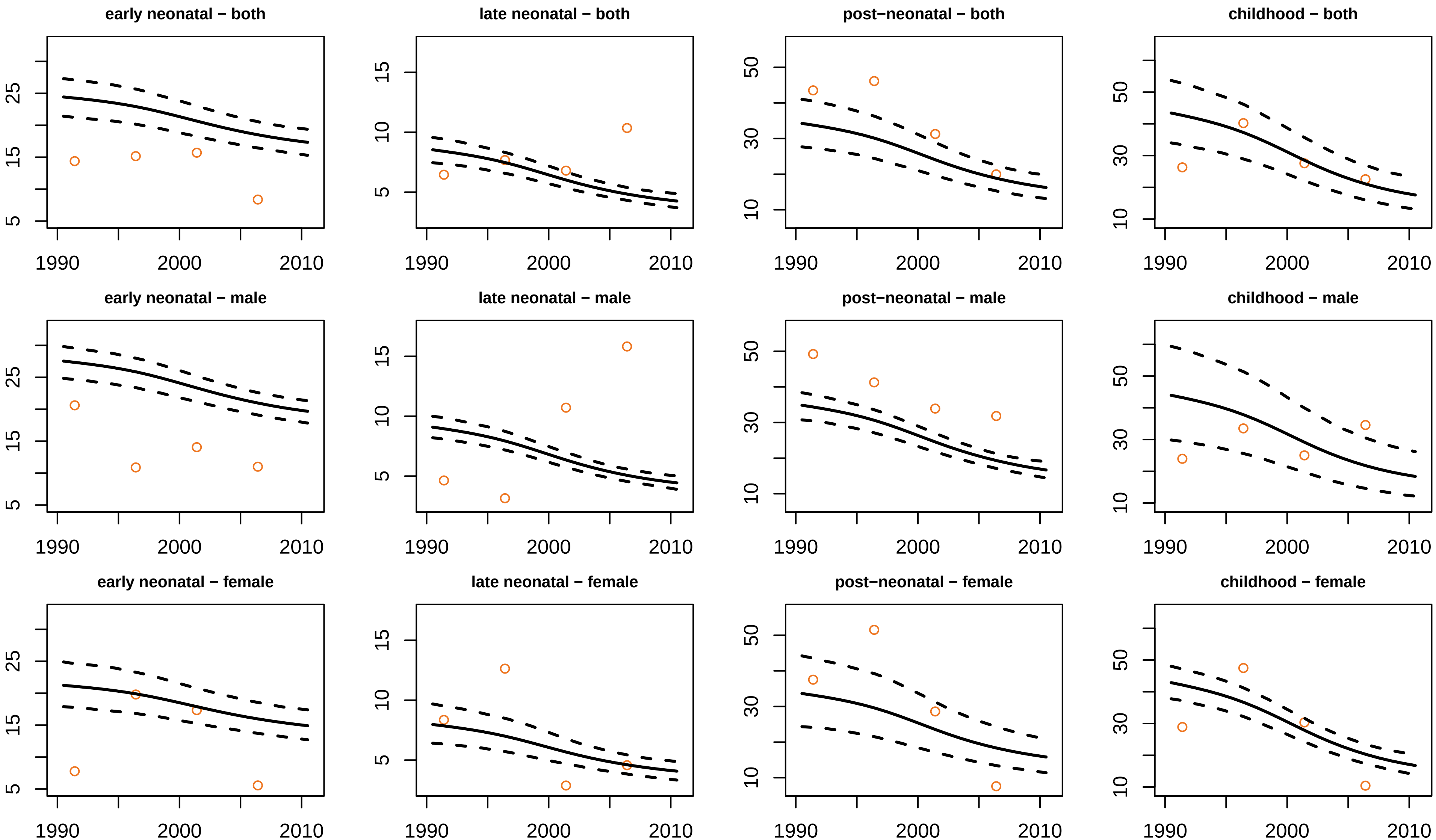
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

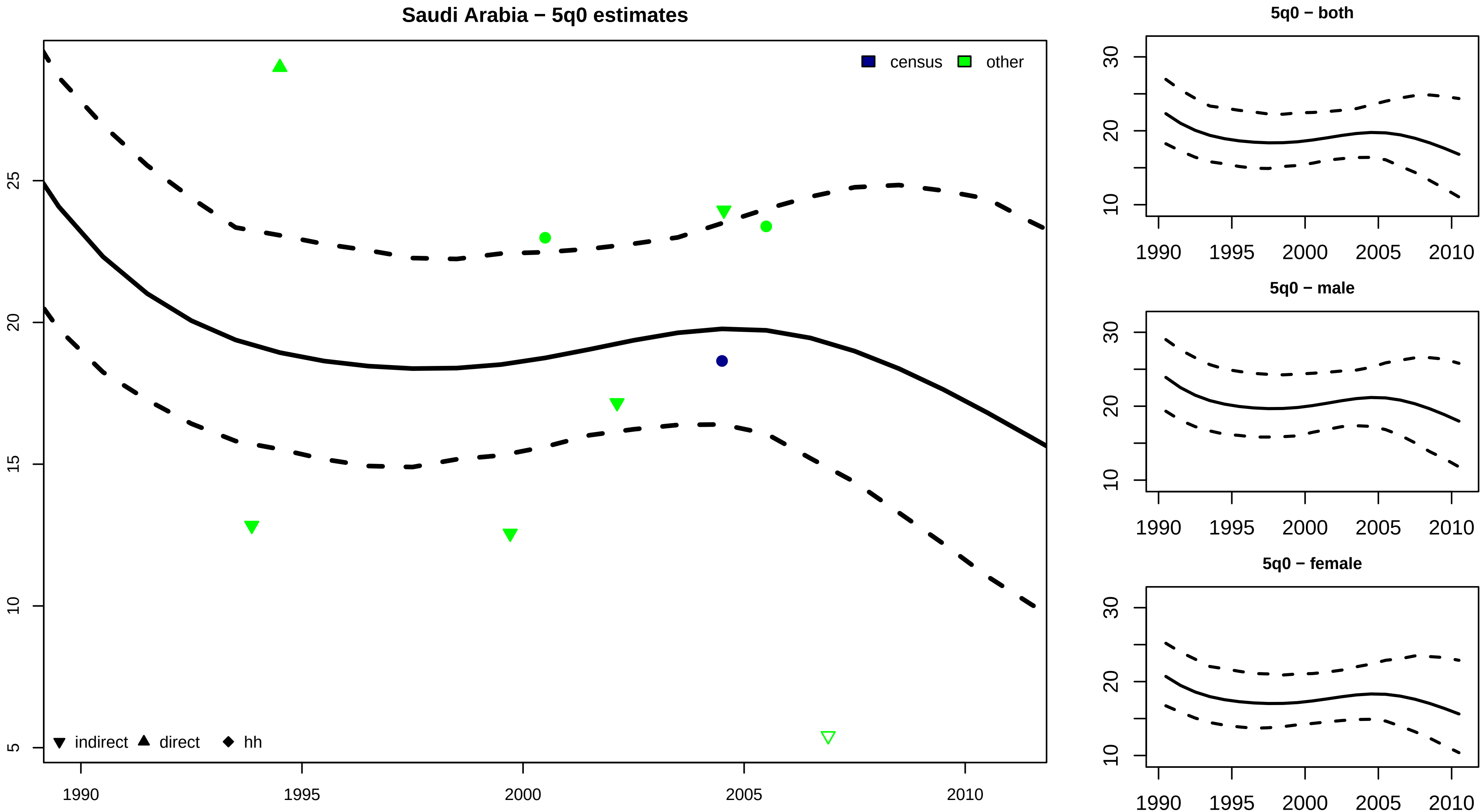

Samoa − 5q0 estimates
vr
dhs
census
indirect
direct
hh
35
30
25
20
15
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
40
30
20
10


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
4
6
8
10
12
1.0
2.0
3.0
5
15

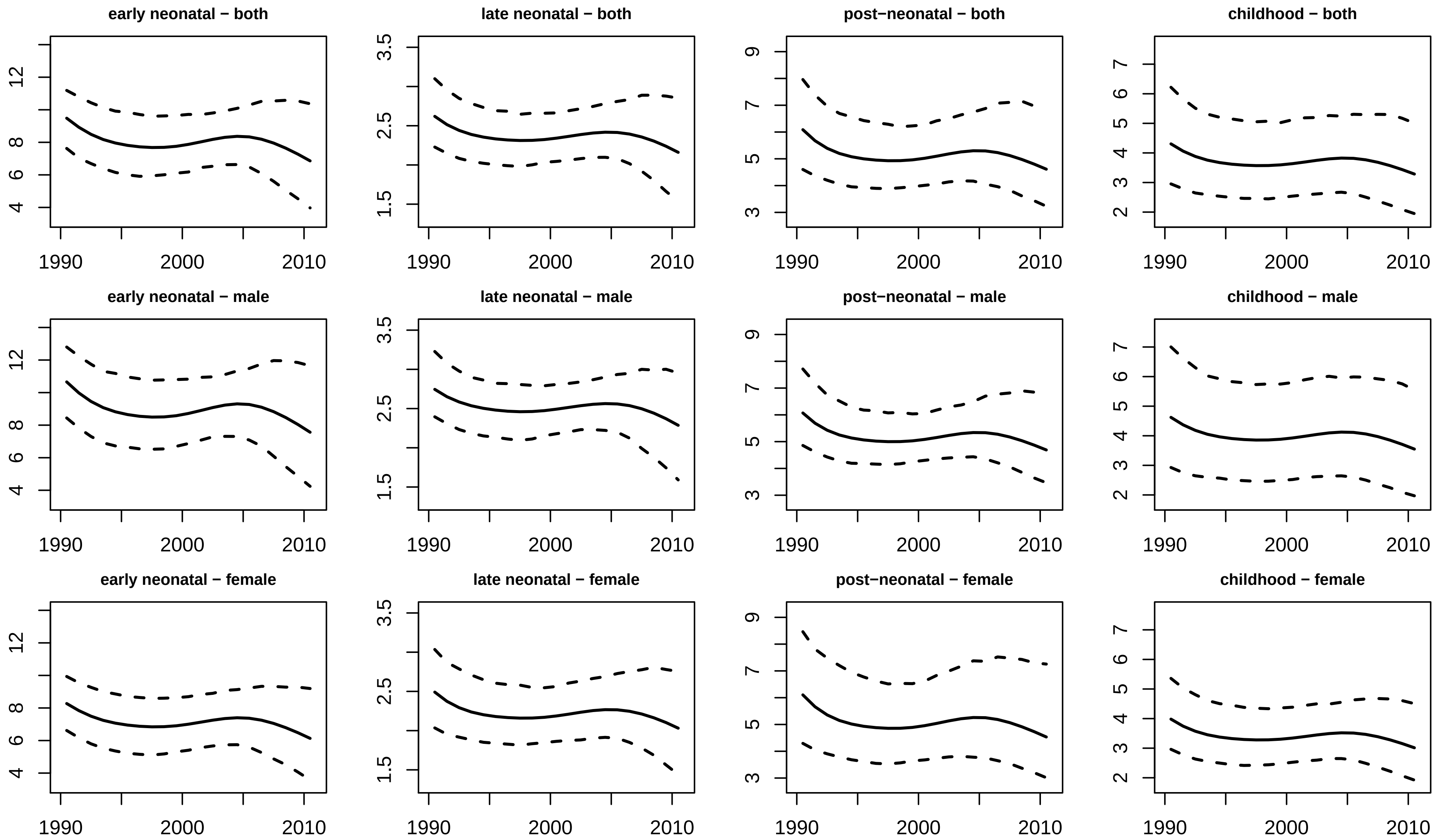


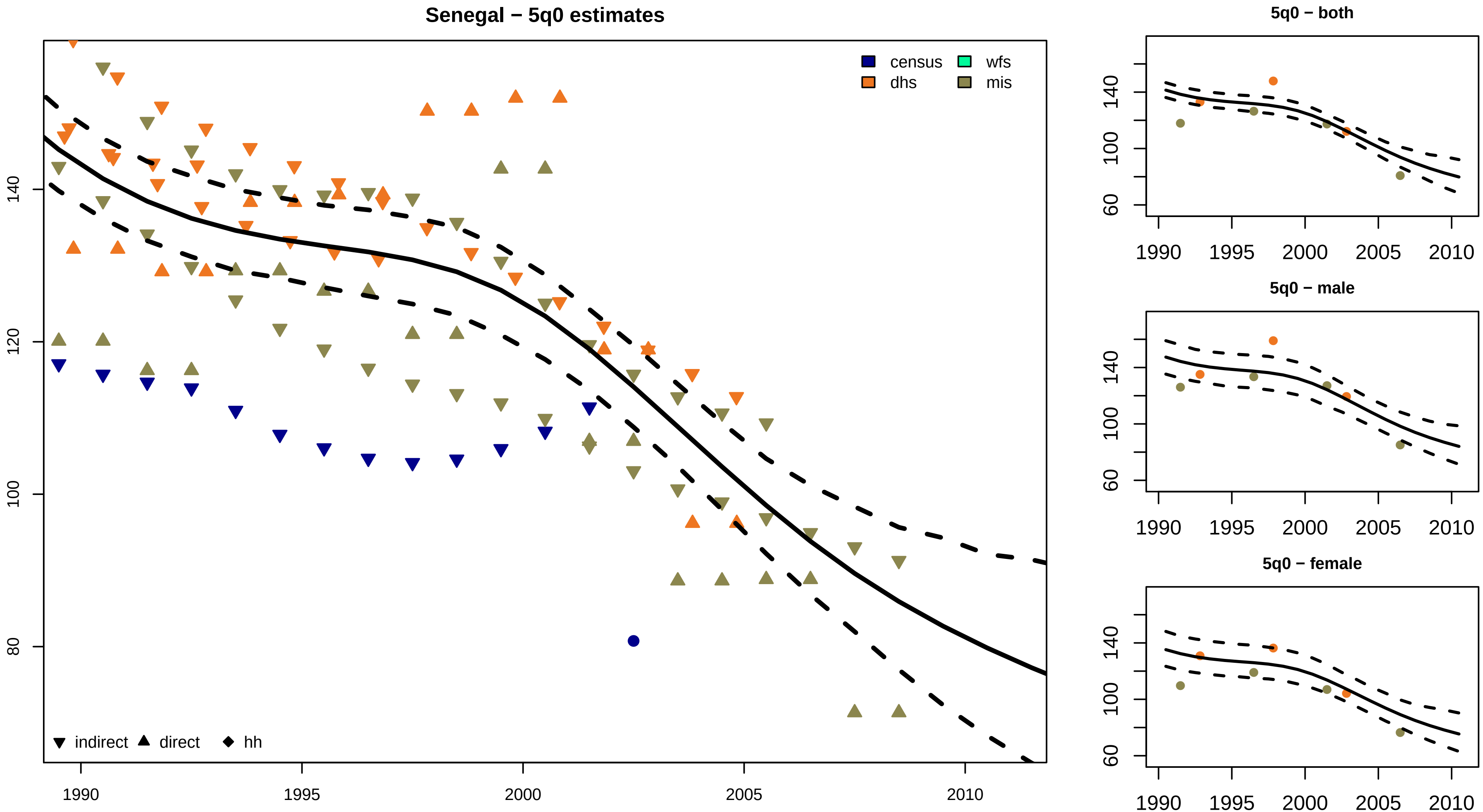
Sao Tome and Principe − 5q0 estimates
vr
census
dhs
mics
indirect
direct
hh
40
60
80
100
120
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
5
15
25
10
30
50

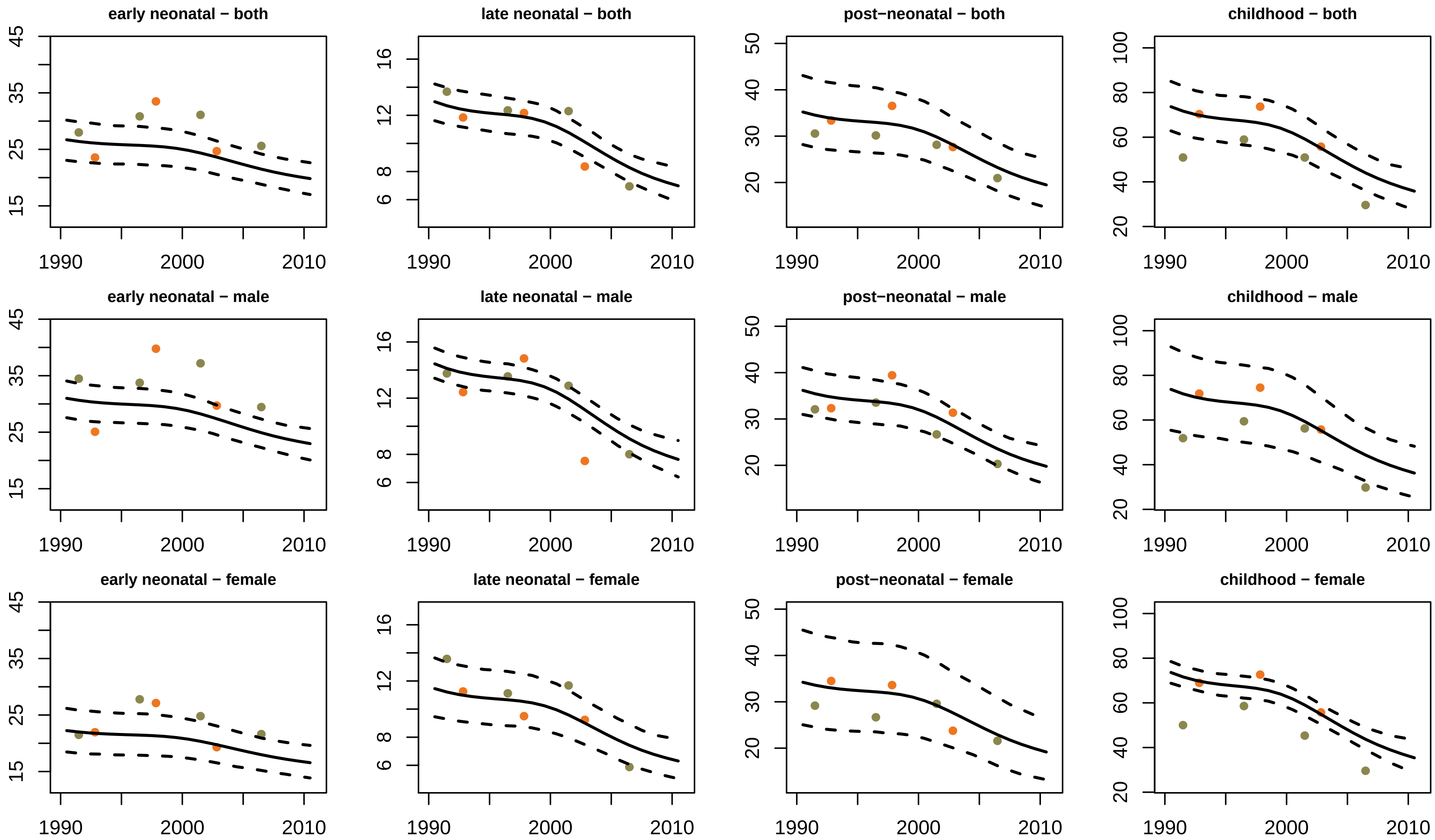


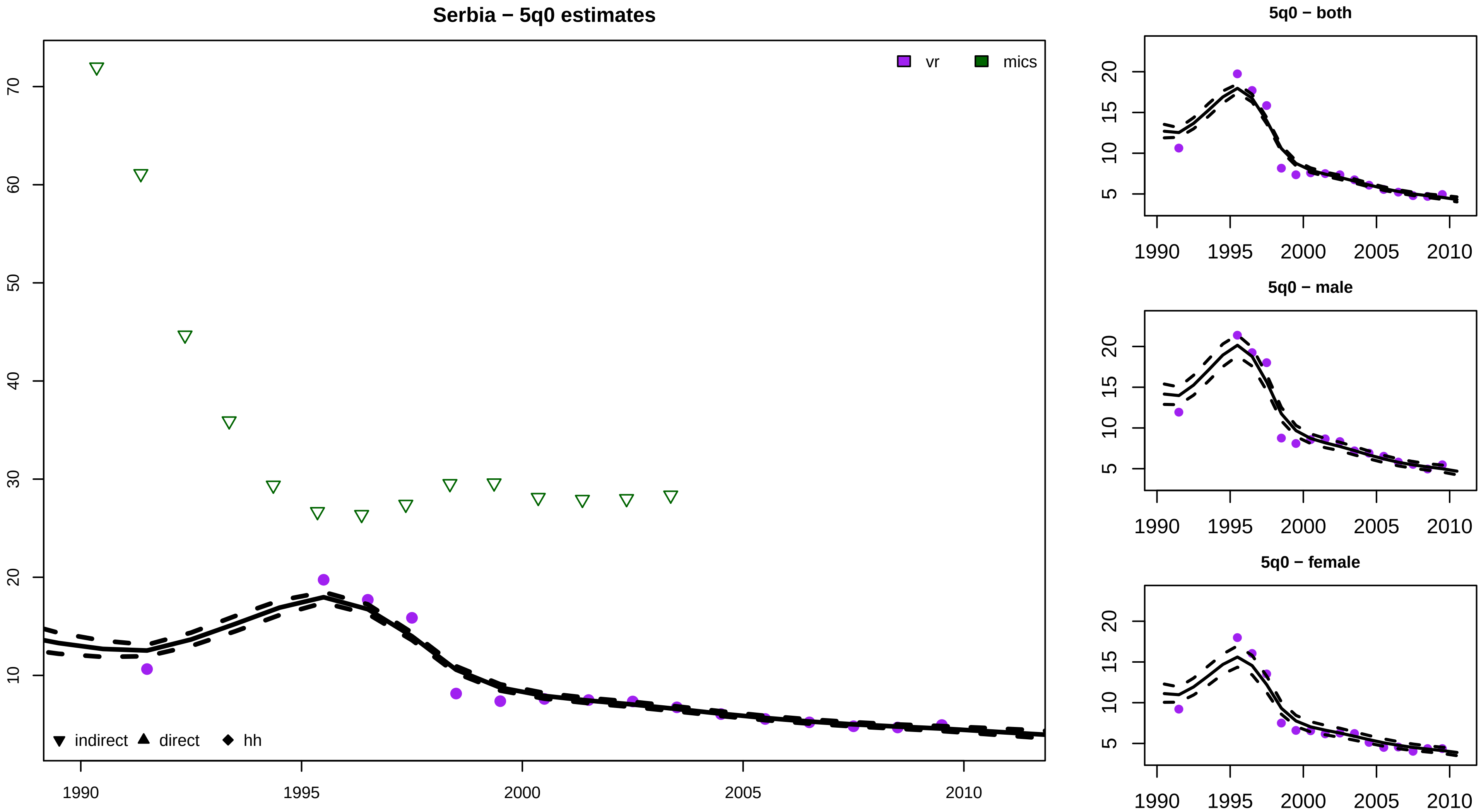
Saudi Arabia − 5q0 estimates
census
other
indirect
direct
hh
5
10
15
20
25
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
10
20
30
1990
1995
2000
2005
2010


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

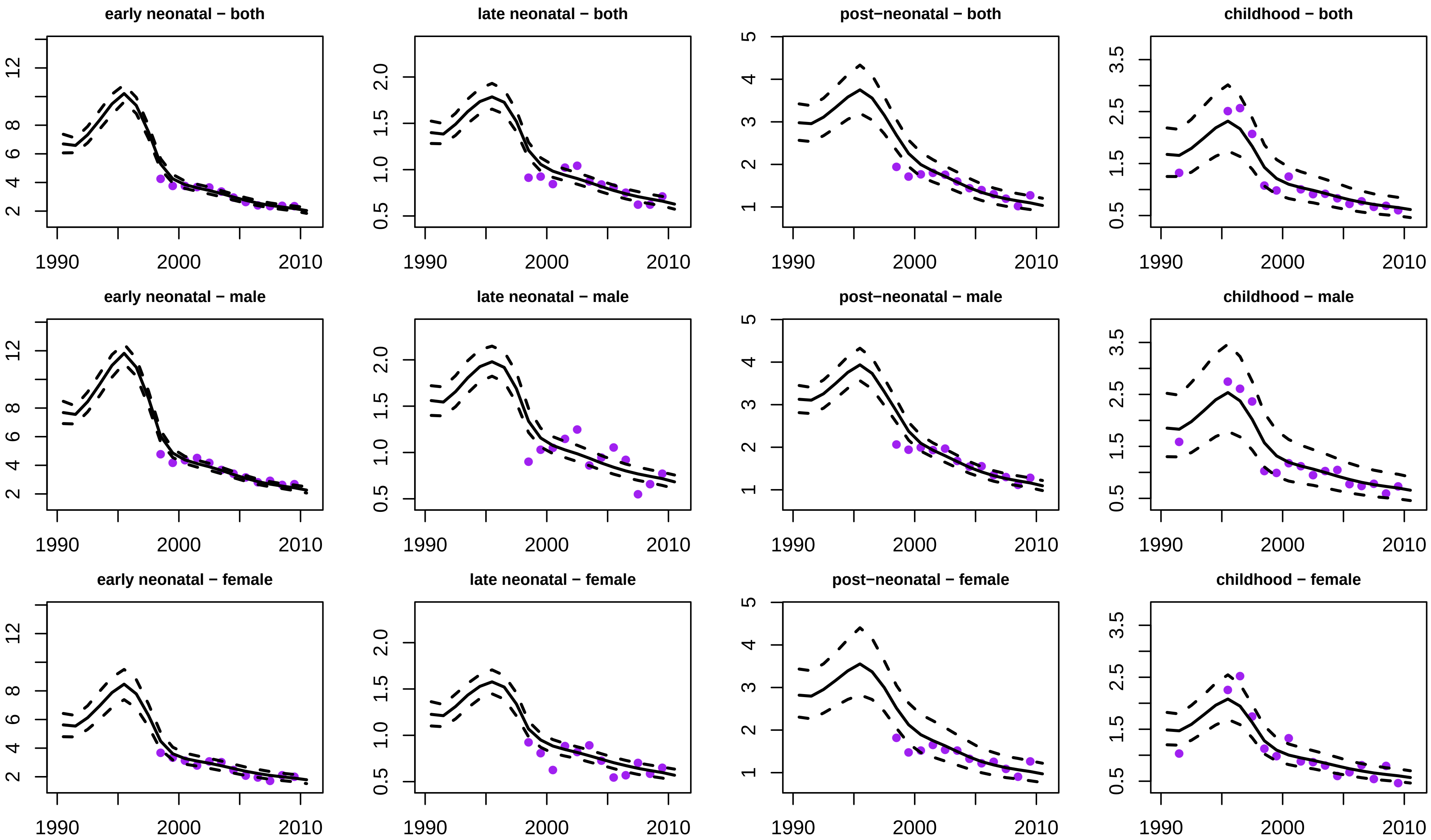


Senegal − 5q0 estimates
census
wfs
dhs
mis
indirect
direct
hh
80
100
120
140
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
60
100
140

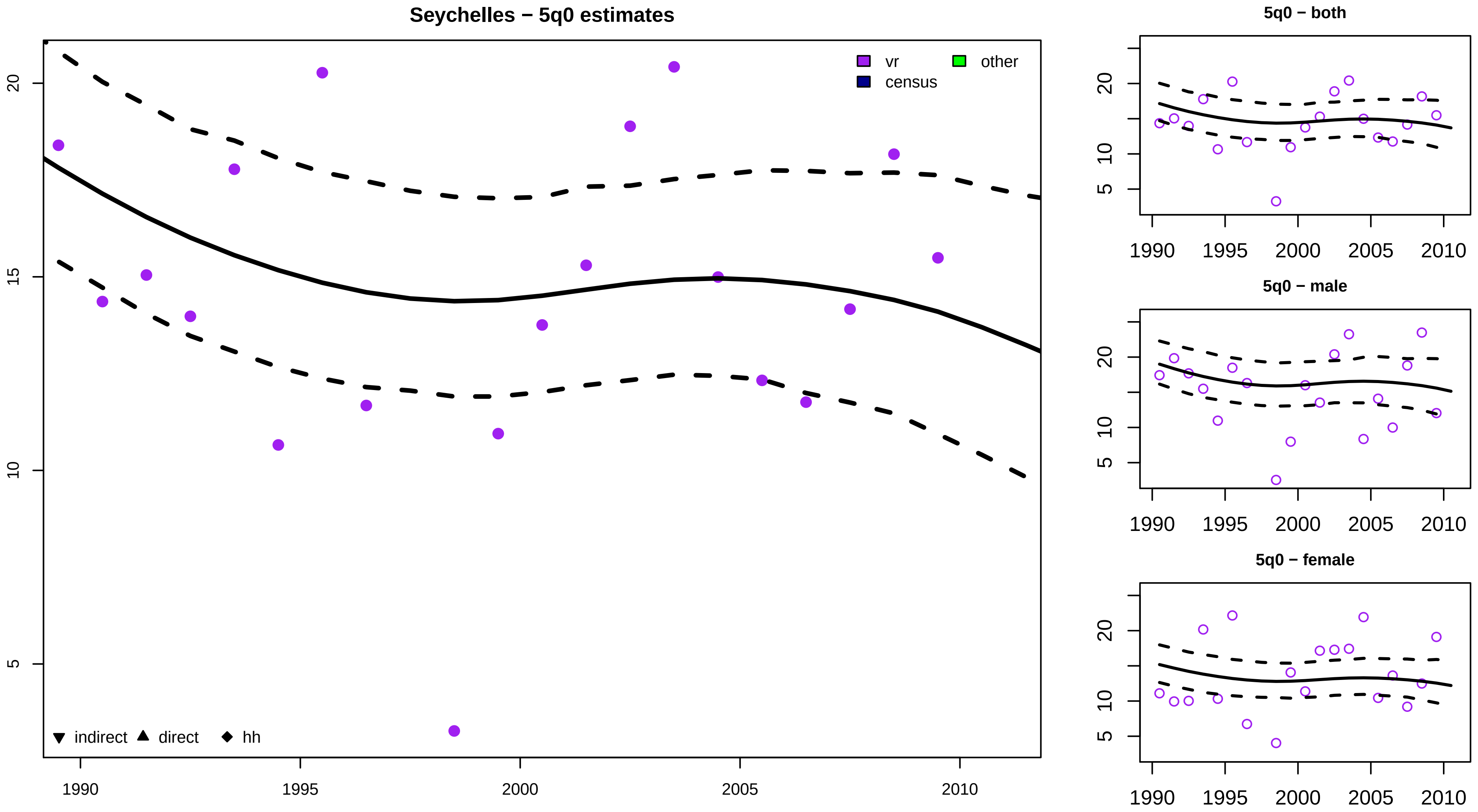

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



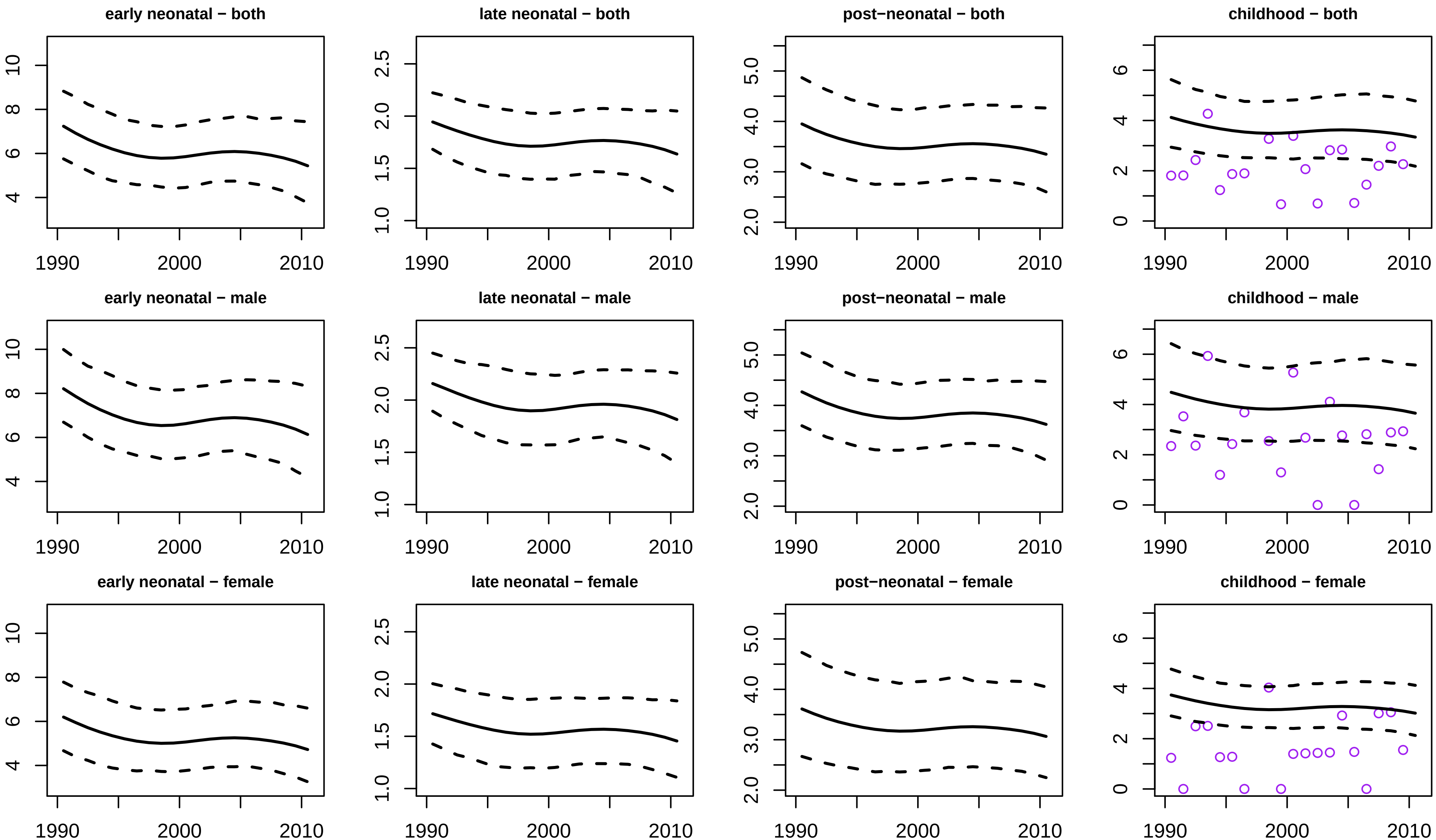
Serbia − 5q0 estimates
vr
mics
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female

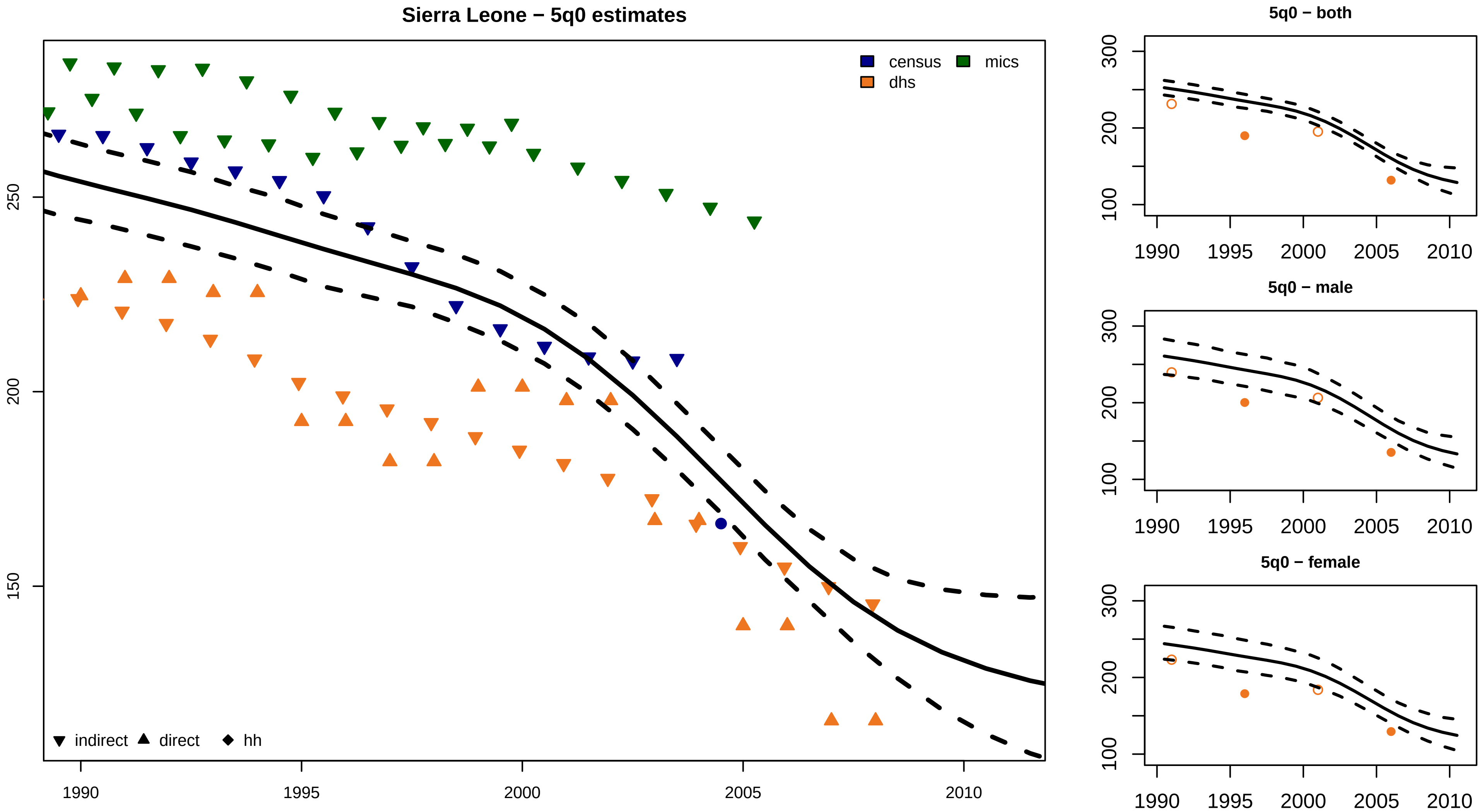


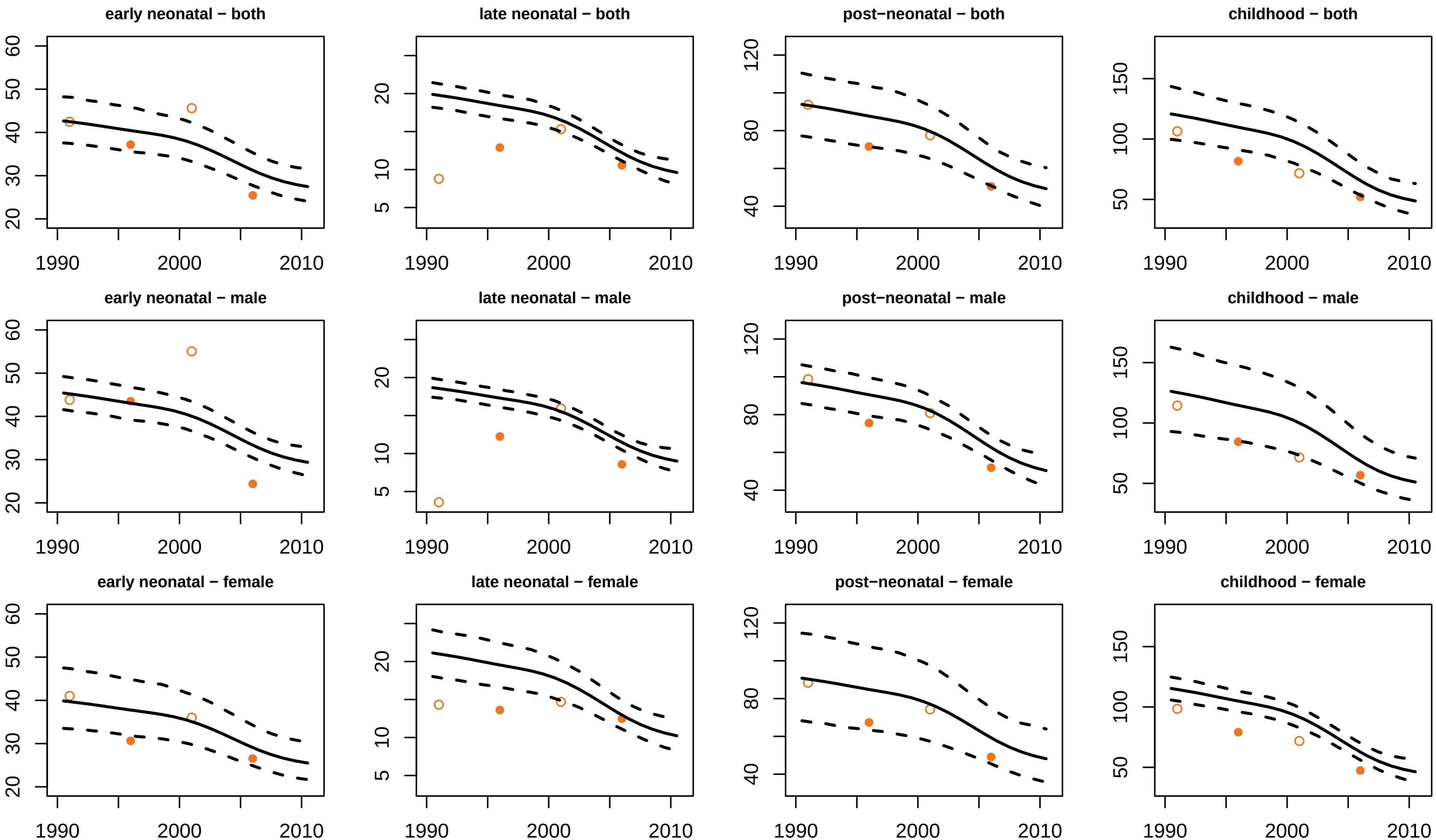
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



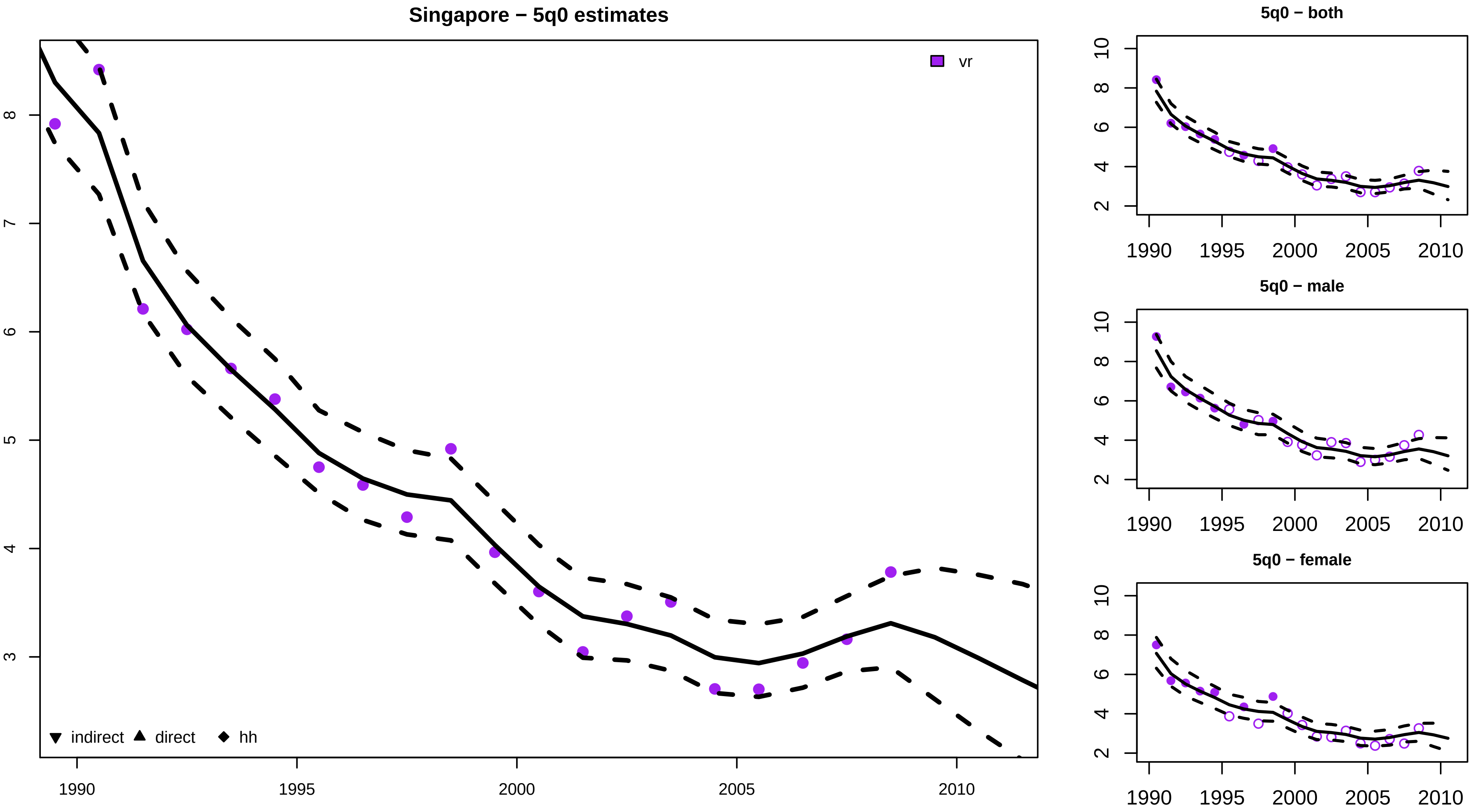
Seychelles − 5q0 estimates
vr
census
other
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

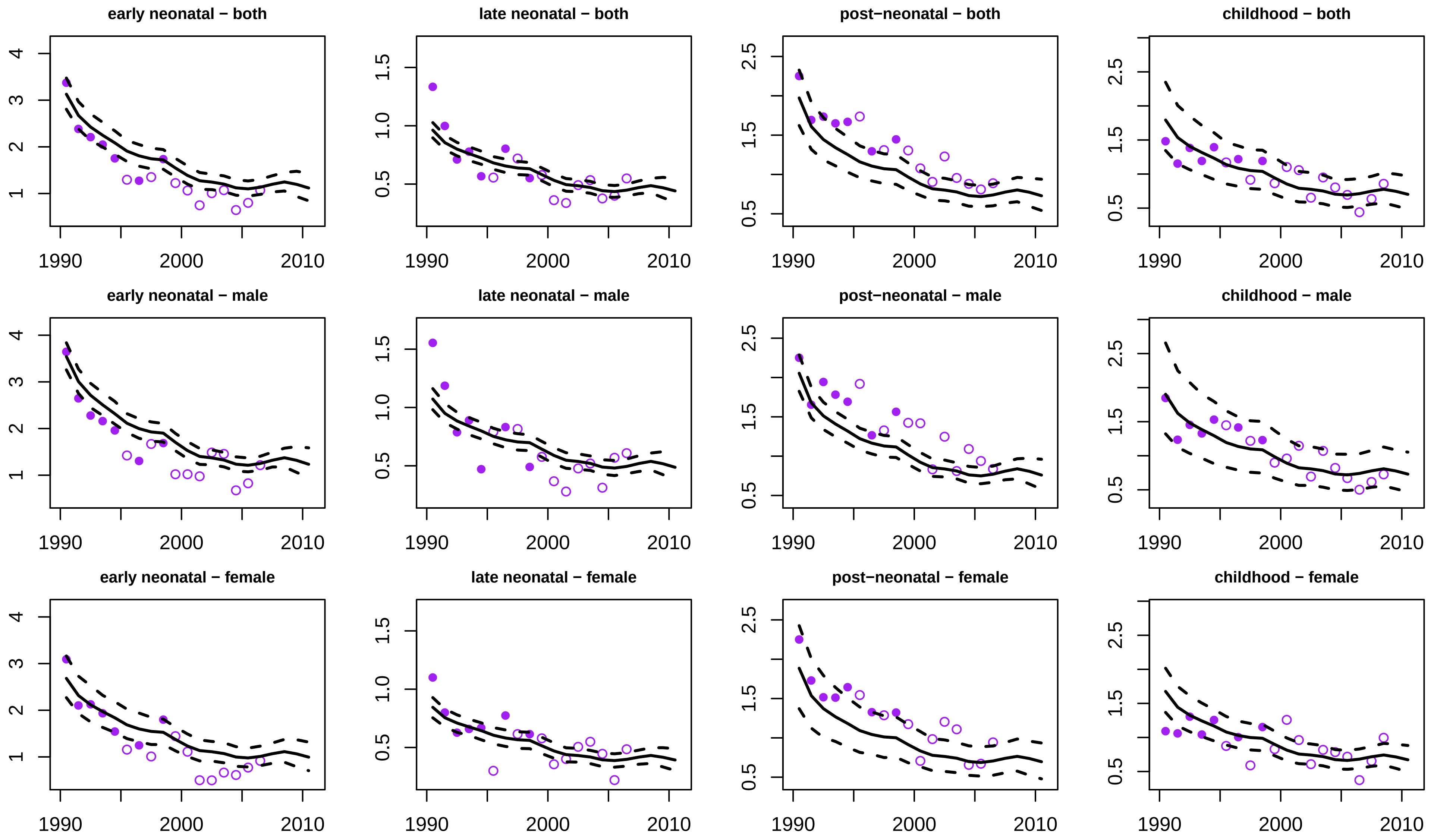

Sierra Leone − 5q0 estimates
census
mics
dhs
indirect
direct
hh
250
200
150
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
300
200
100

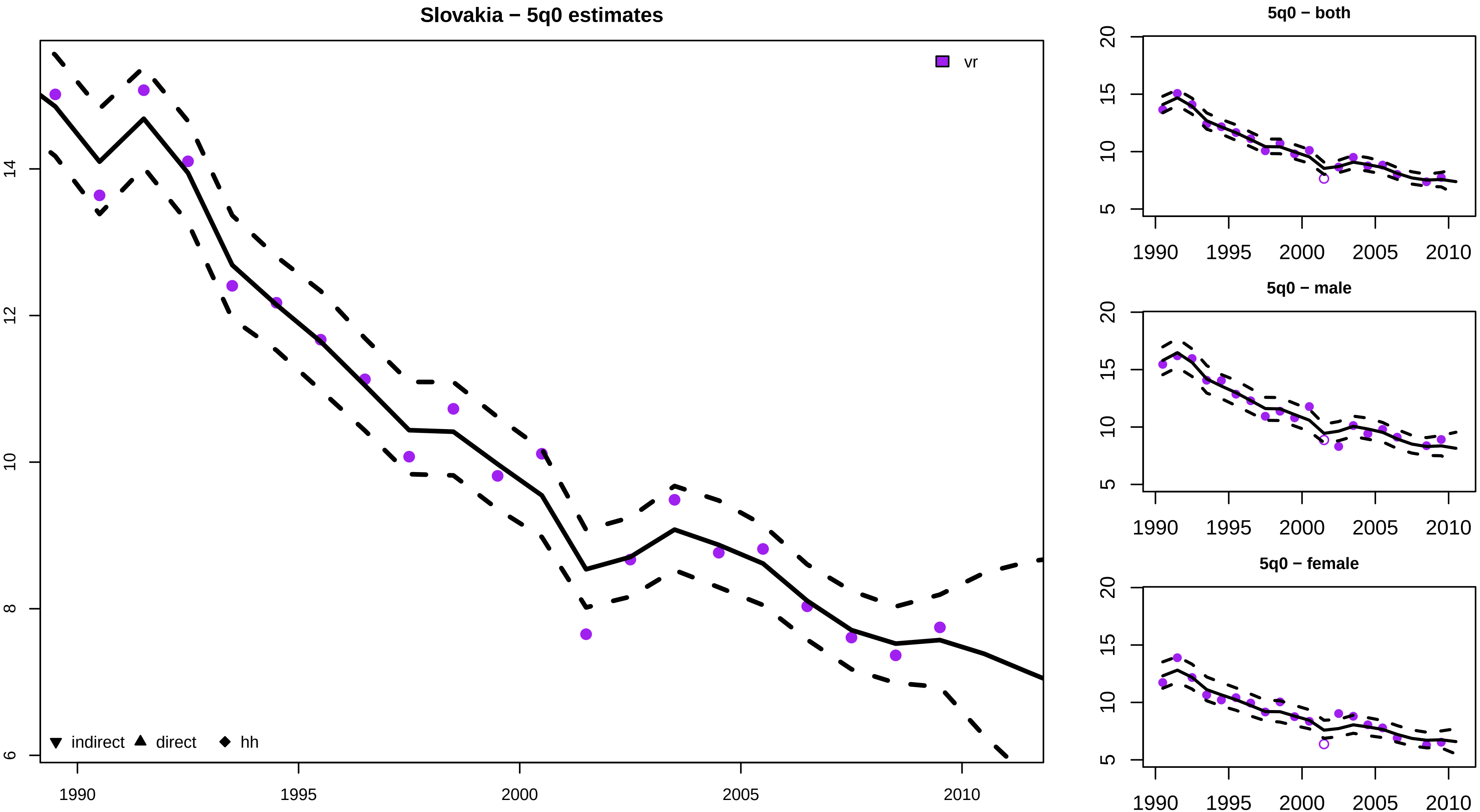


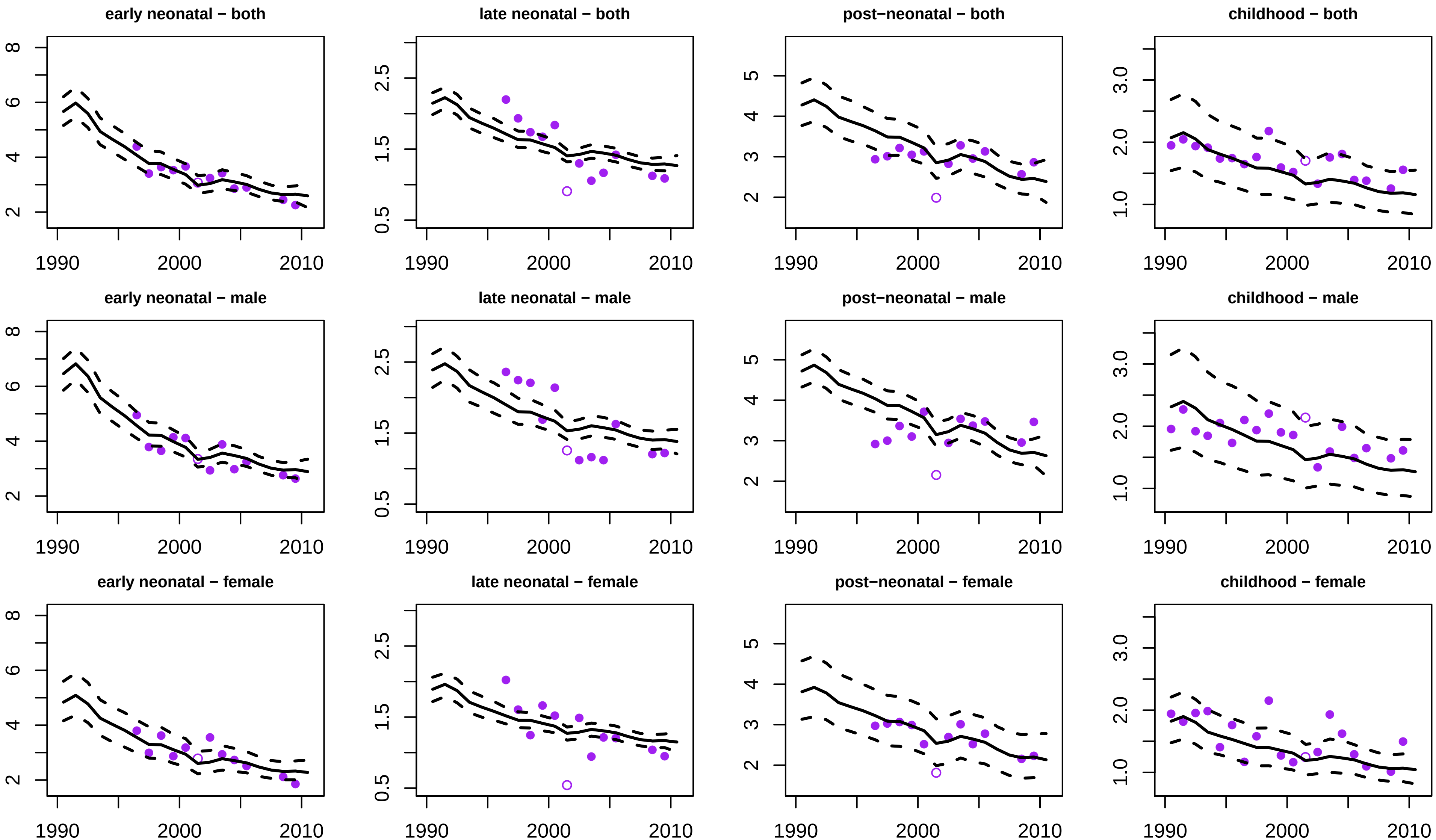
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



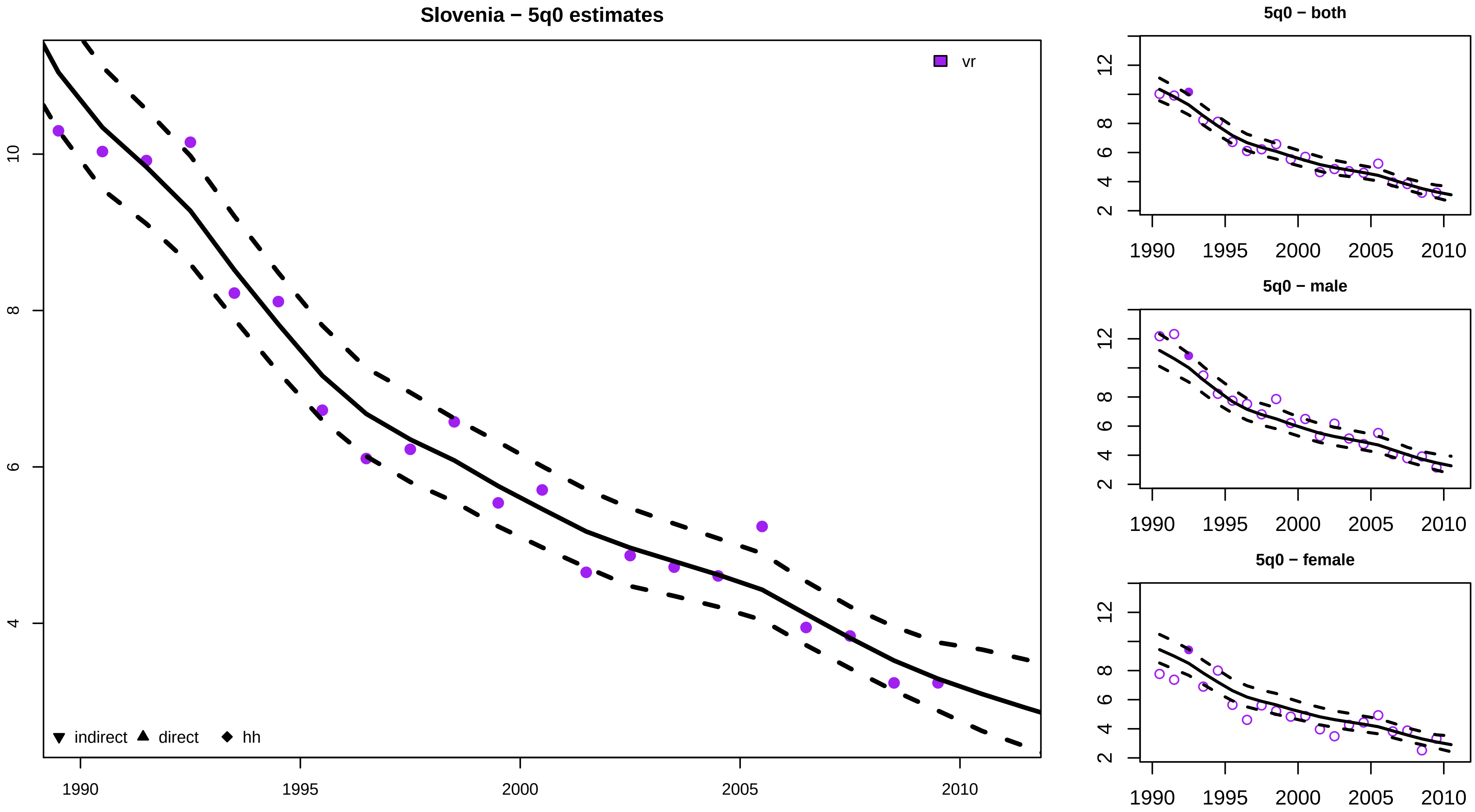
Singapore − 5q0 estimates
vr
indirect
direct
hh
1990
1995
2000
2005
2010
3
4
5
6
7
8
5q0 − both
5q0 − male
5q0 − female
2
4
6
8
10

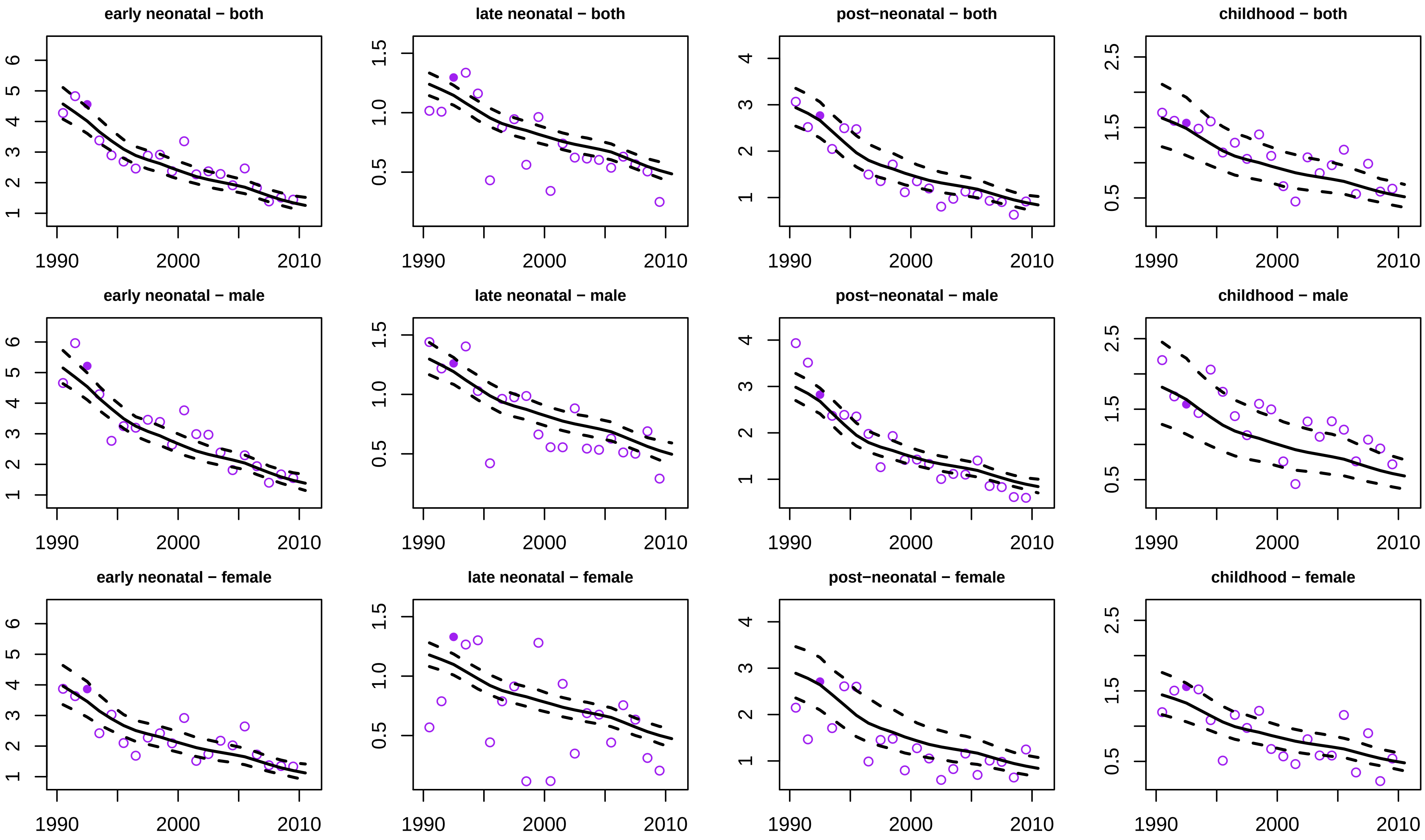

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


Slovakia − 5q0 estimates
vr
indirect
direct
hh
14
12
10
8
6
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
20
15
10
5

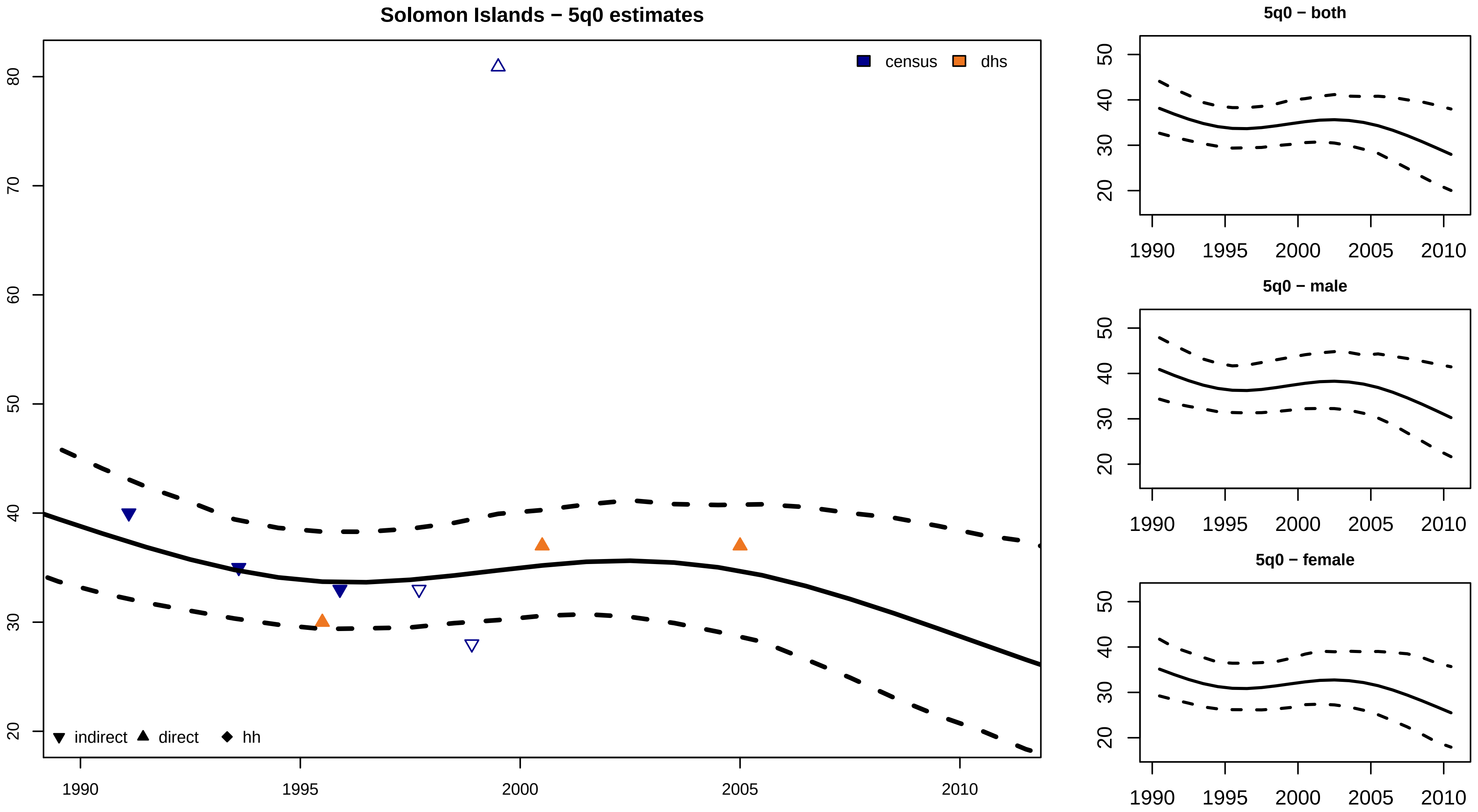


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

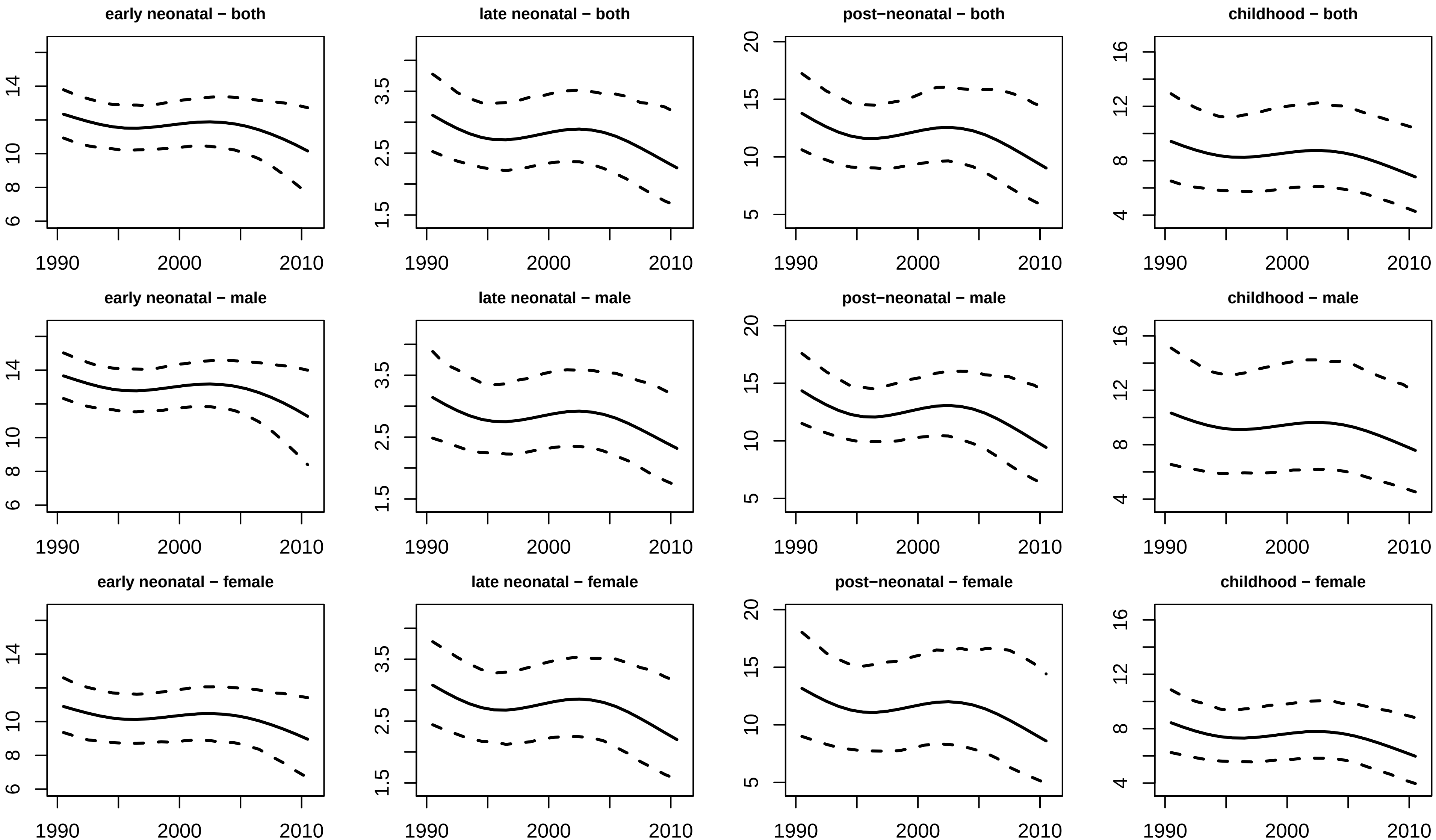

Slovenia − 5q0 estimates
vr
indirect
direct
hh
4
6
8
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
2
4
6
8
12

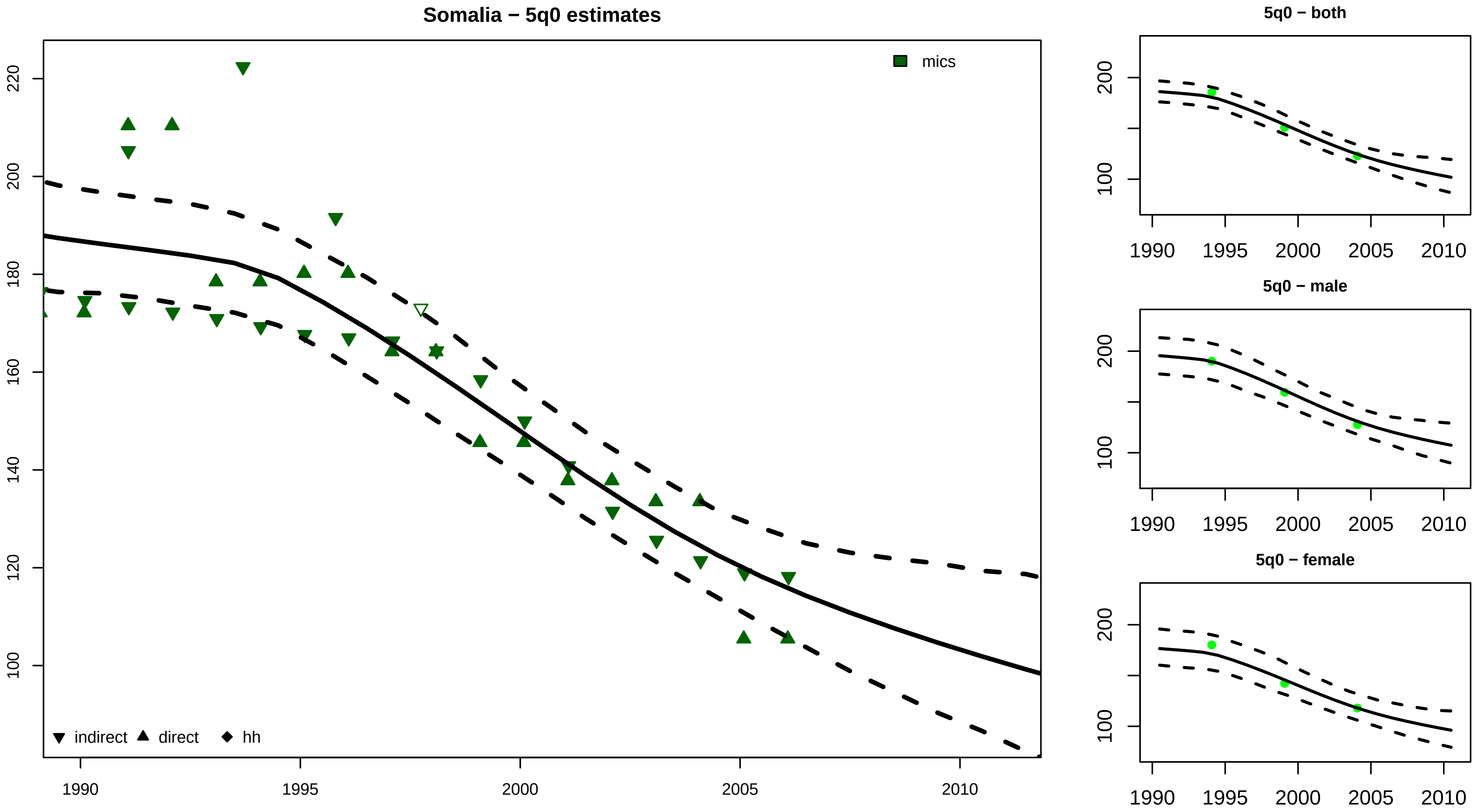


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

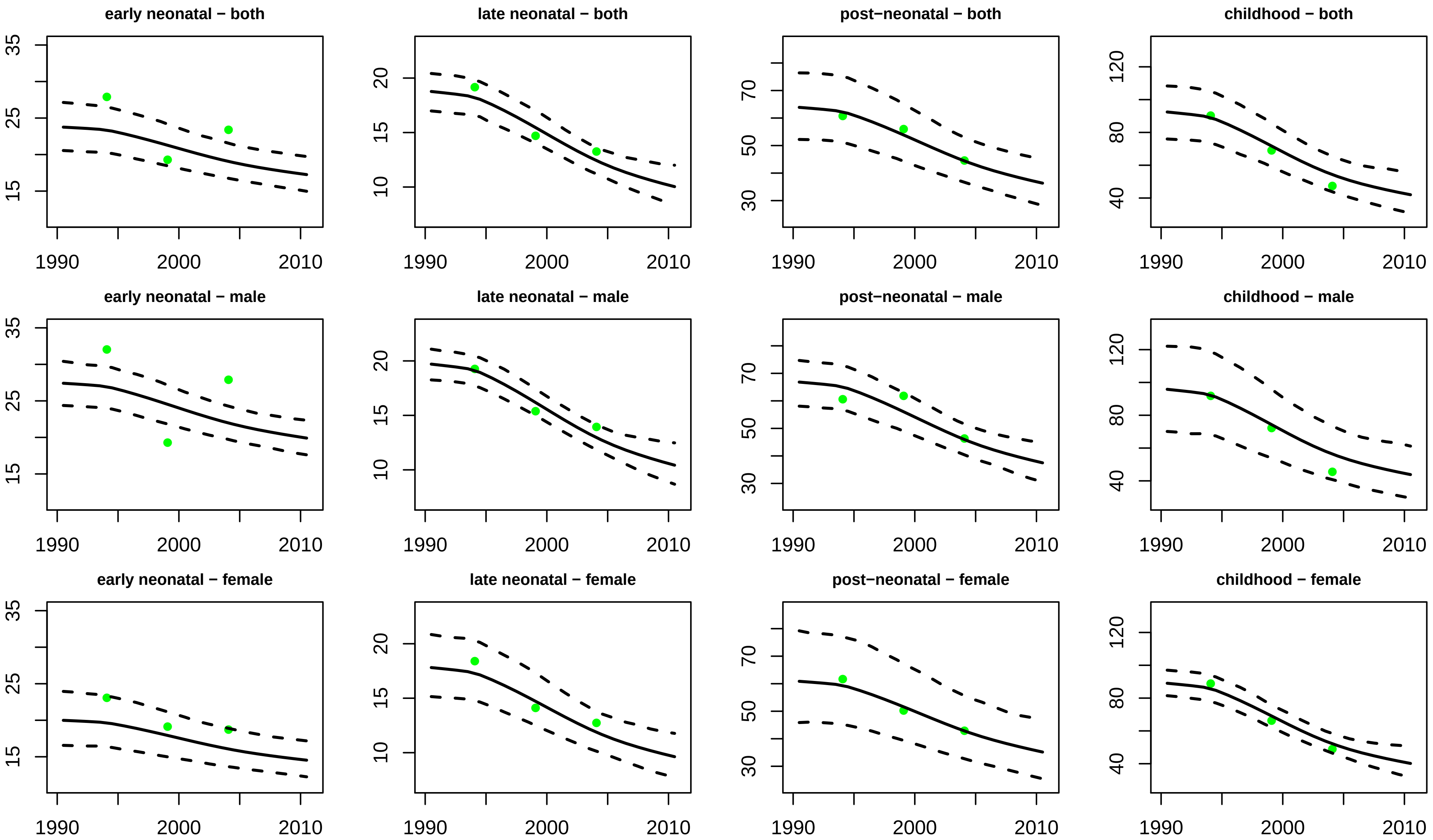


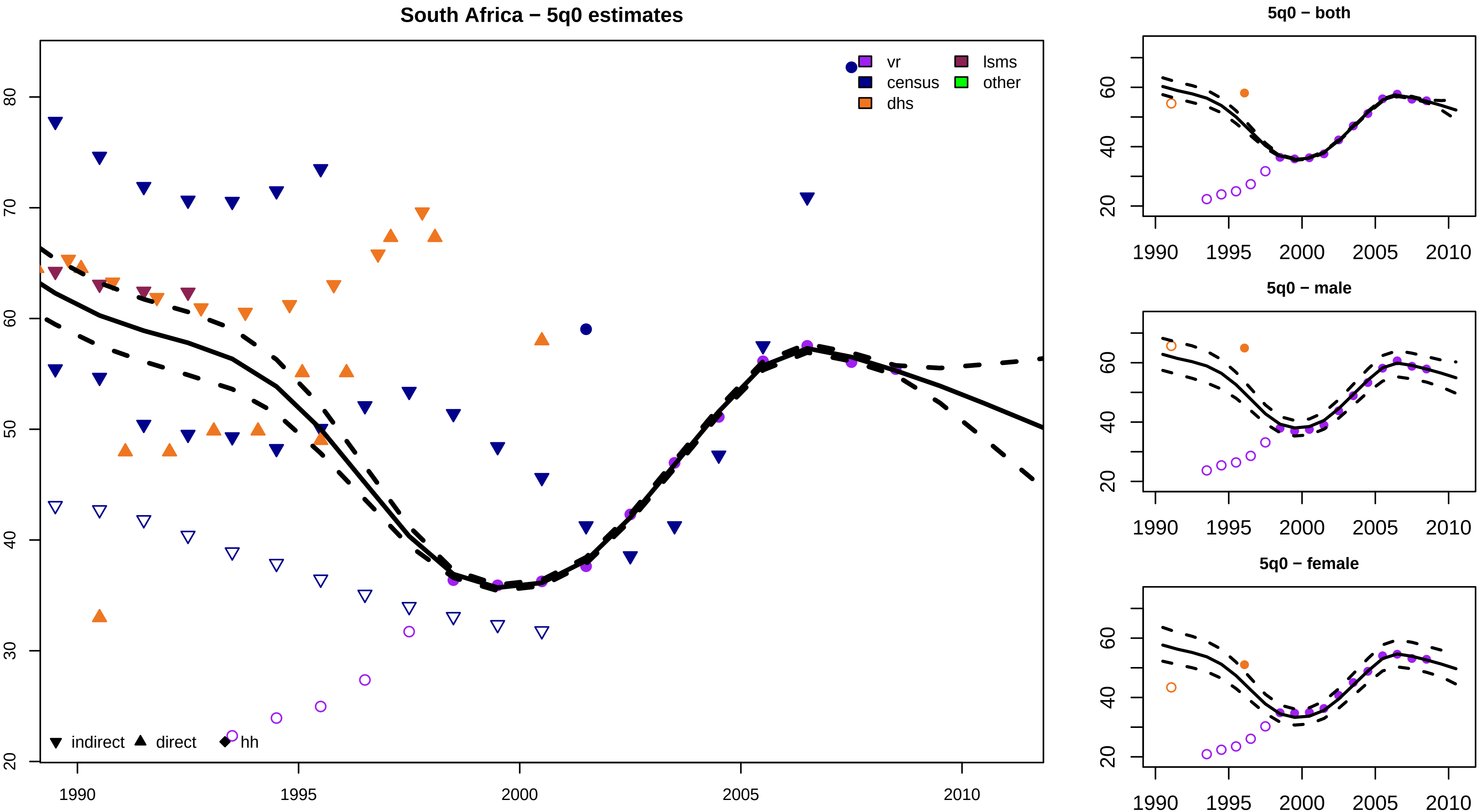
Solomon Islands − 5q0 estimates
census
dhs
indirect
direct
hh
80
70
60
50
40
30
20
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
6
8
10
14
1.5
2.5
3.5
5
10
15
20
4
8
12
16
1990
2000
2010

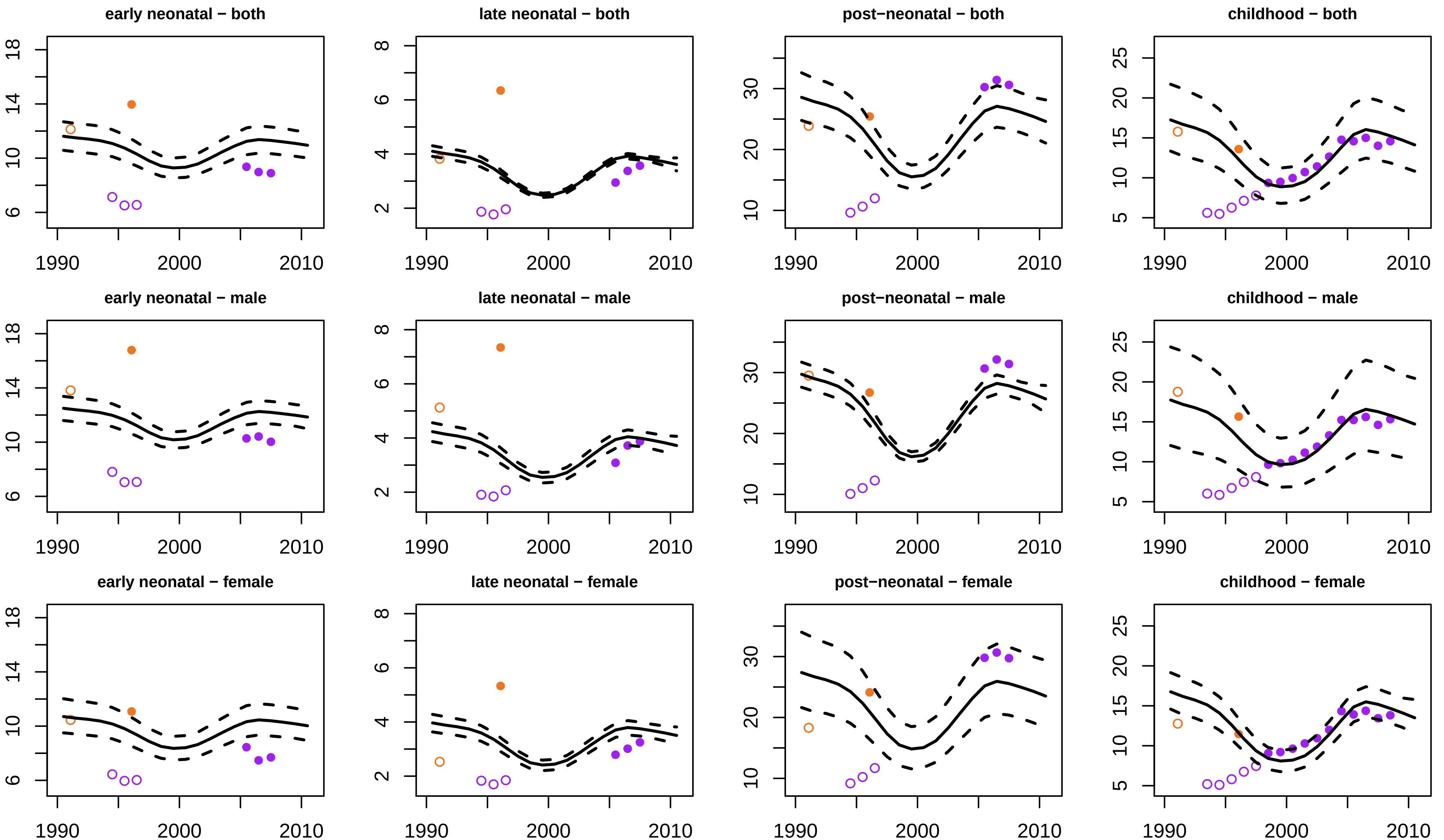


Somalia − 5q0 estimates
mics
indirect
direct
hh
220
200
180
160
140
120
100
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

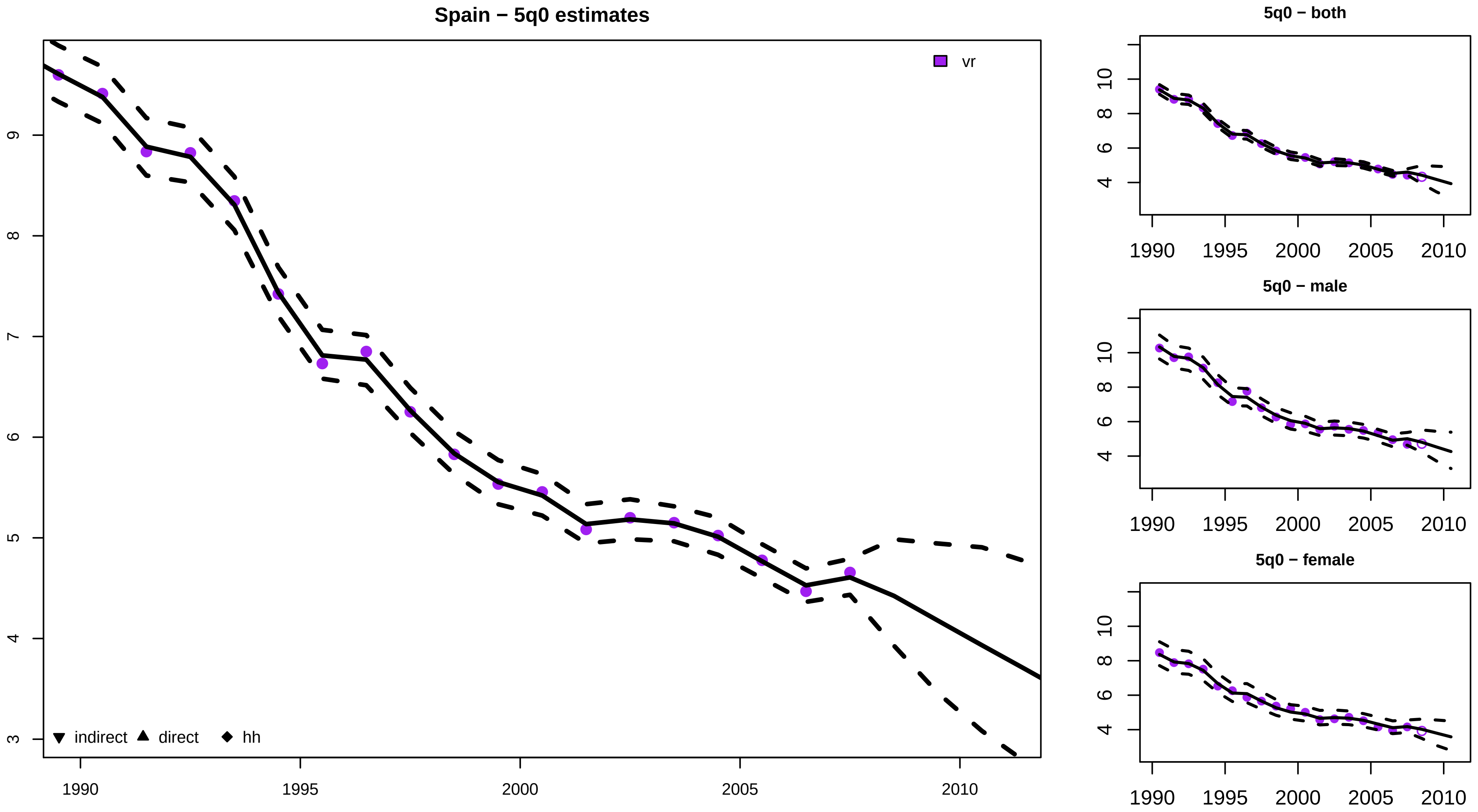

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
15
25
35
10
15
20
30
50
70
40
80
120



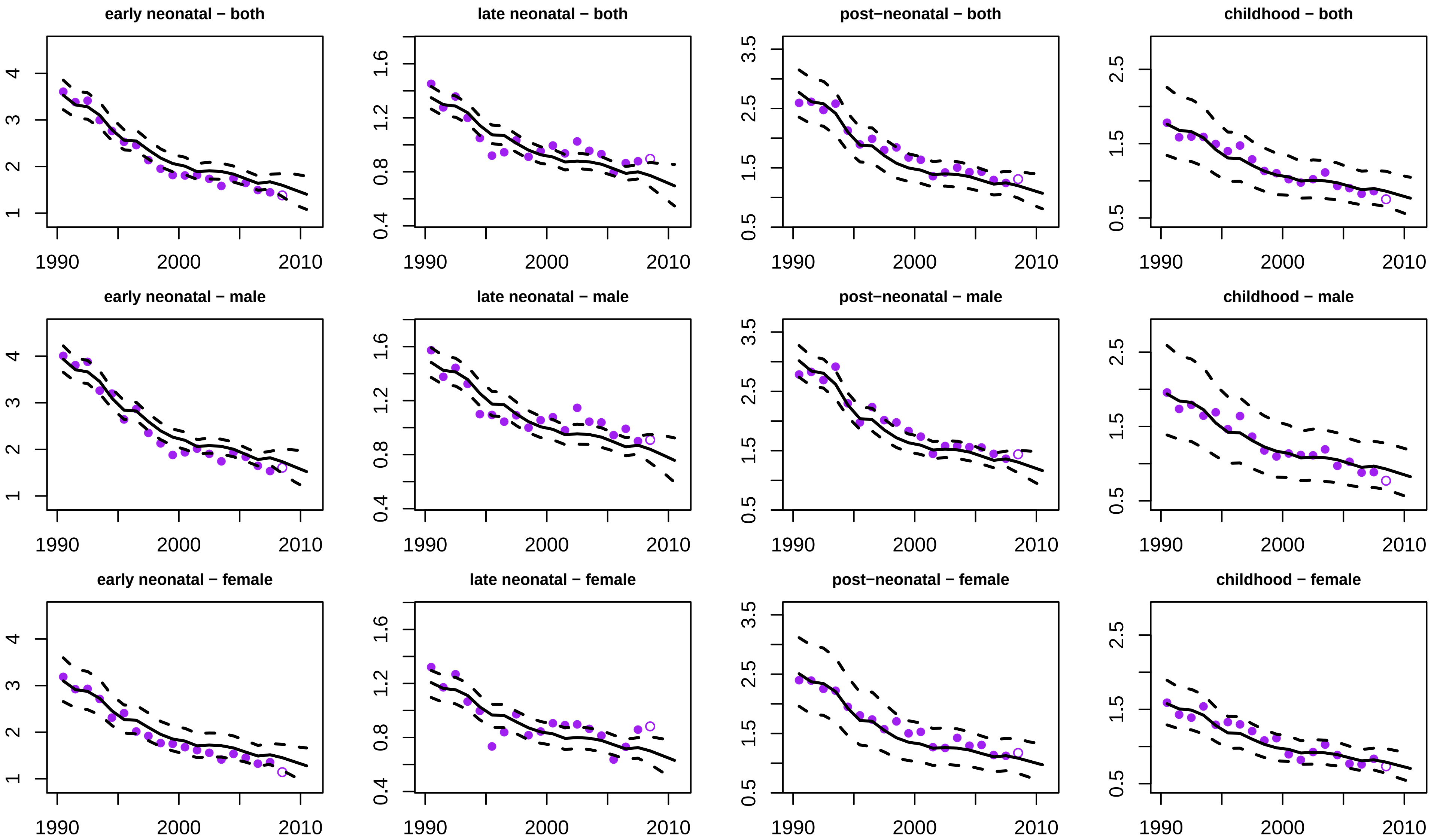
South Africa − 5q0 estimates
vr
census
dhs
lsms
other
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female

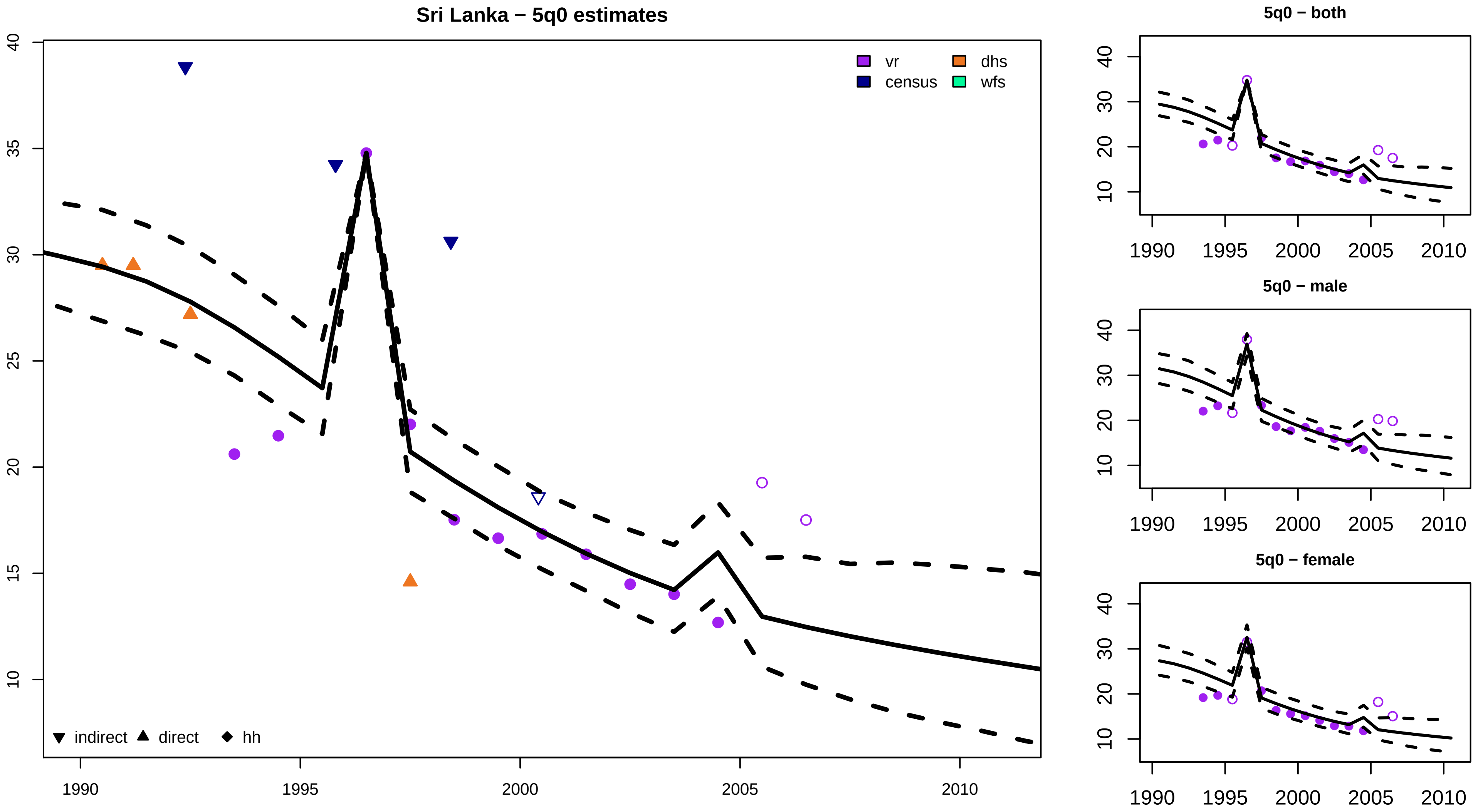


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

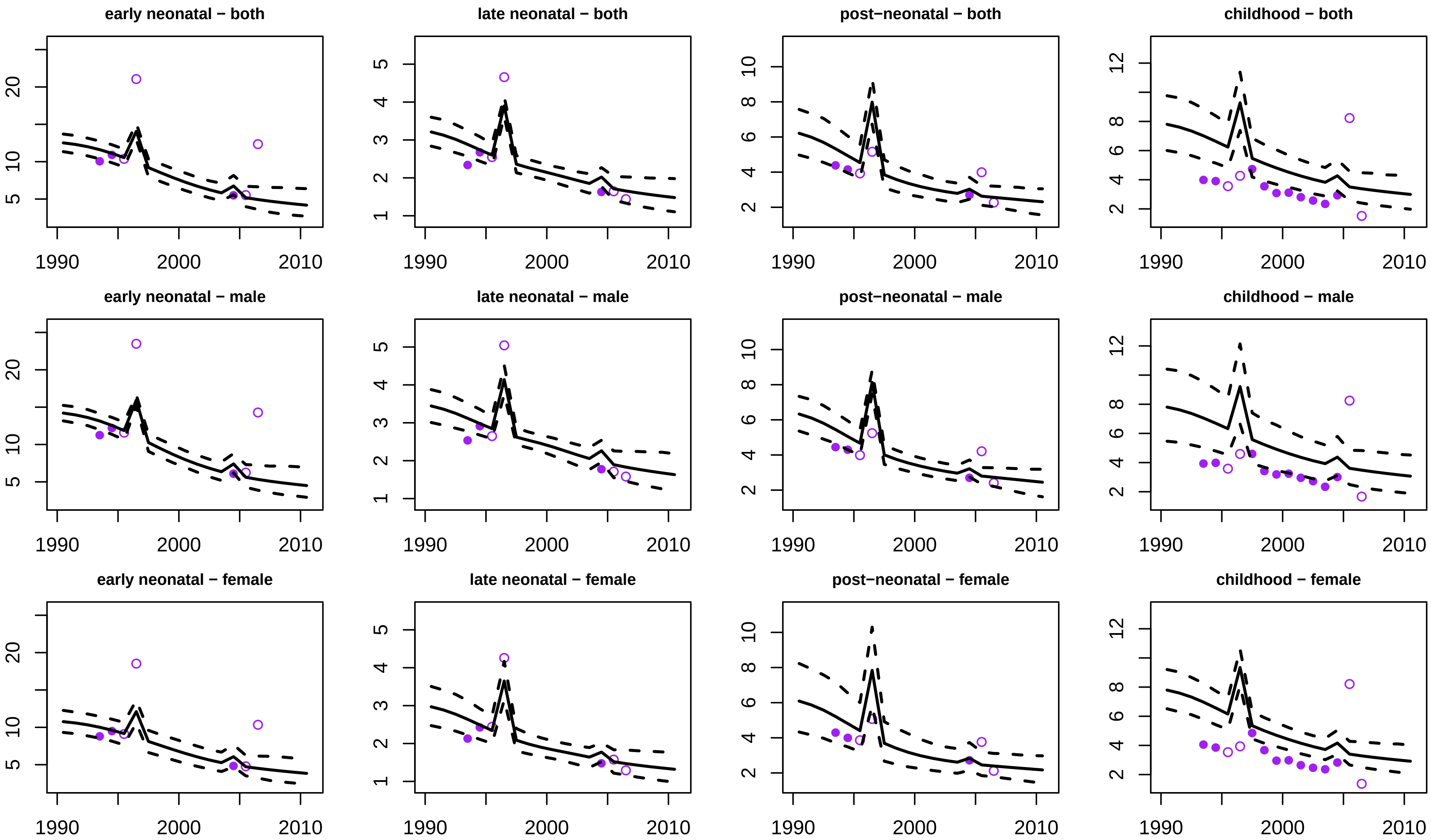


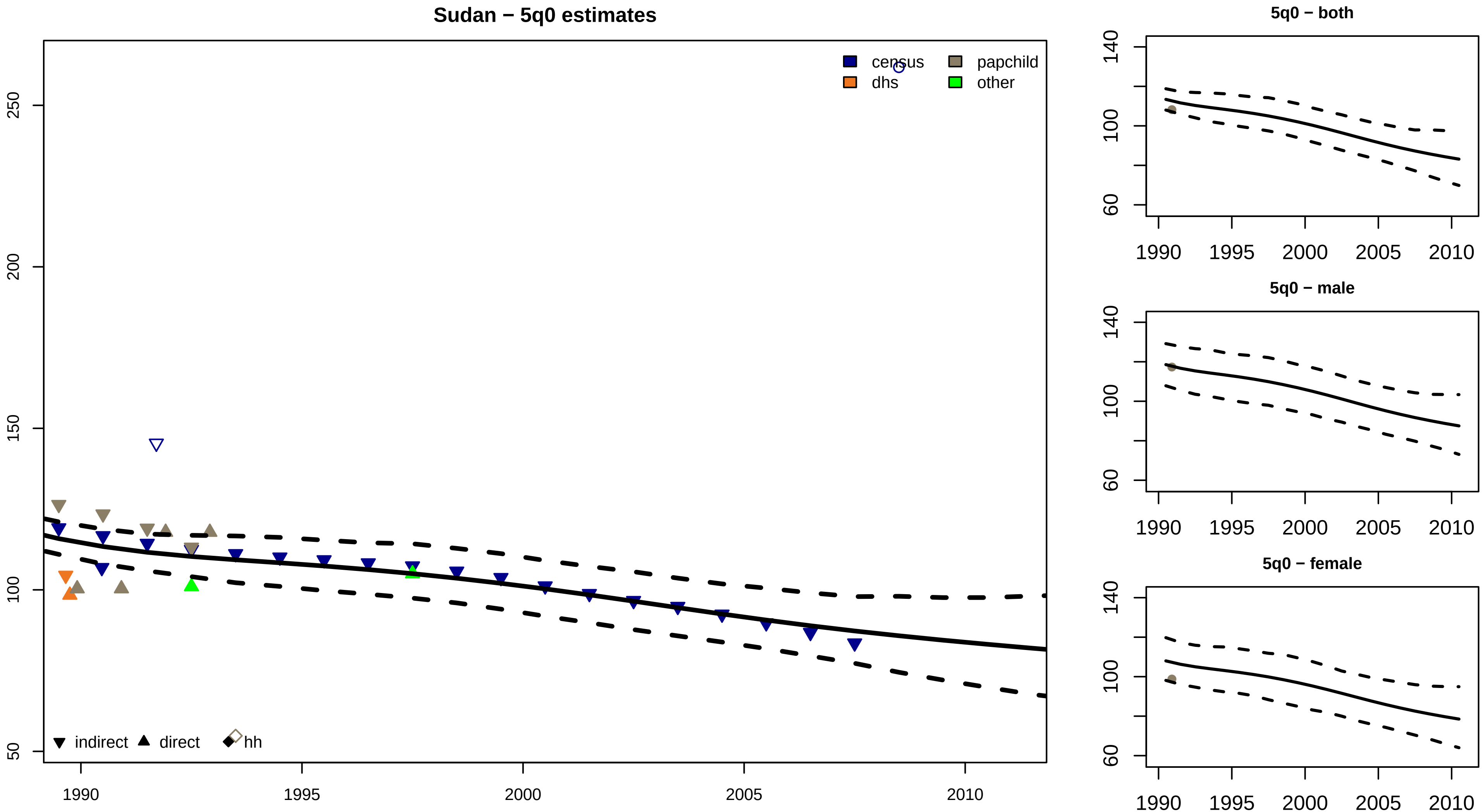
Spain − 5q0 estimates
vr
indirect
direct
hh
3
4
5
6
7
8
9
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
4
6
8
10


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

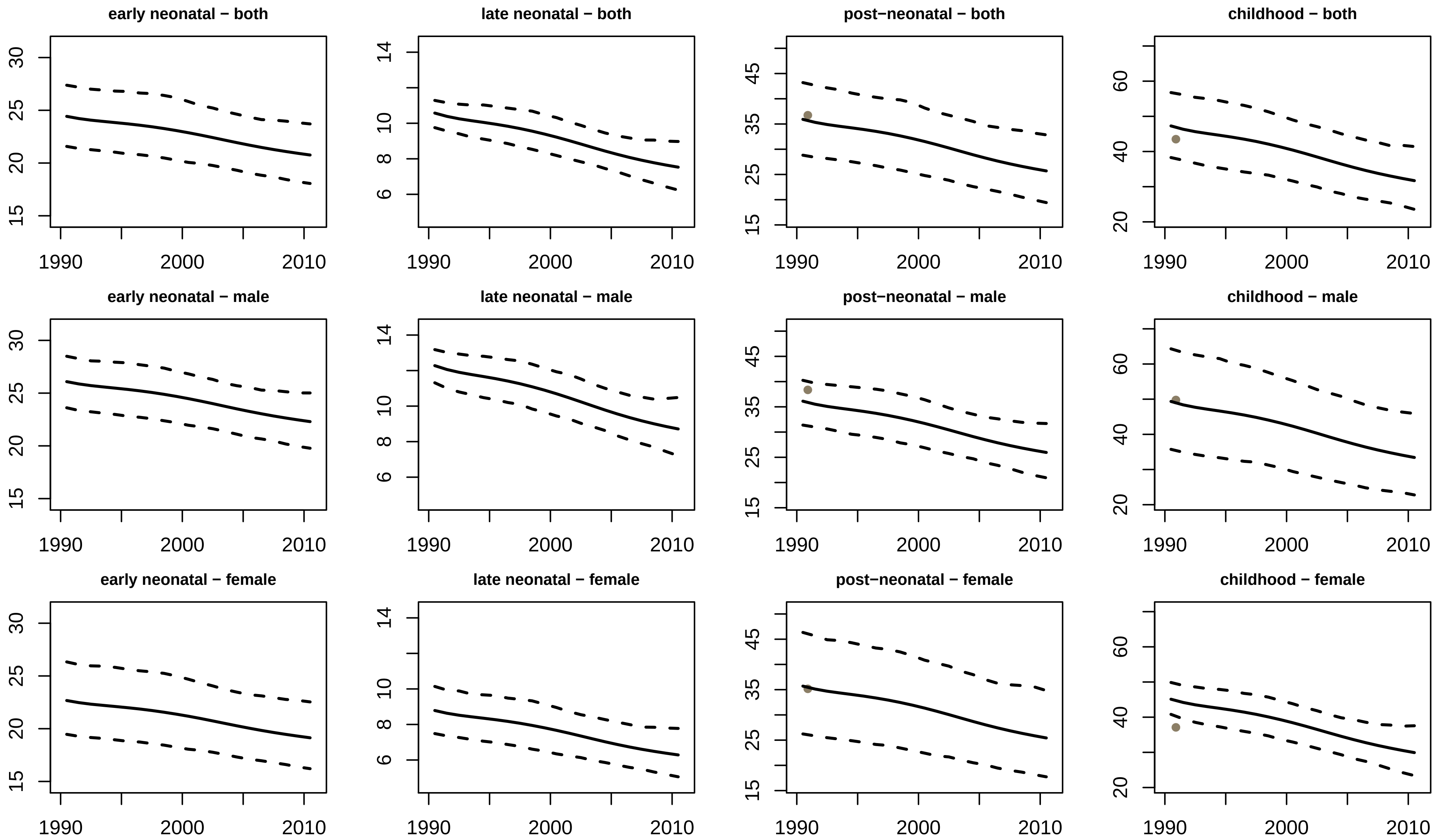


Sri Lanka – 5q0 estimates
vr
census
dhs
wfs
indirect
direct
hh
1990
1995
2000
2005
2010
10
15
20
25
30
35
40
5q0 – both
5q0 – male
5q0 – female

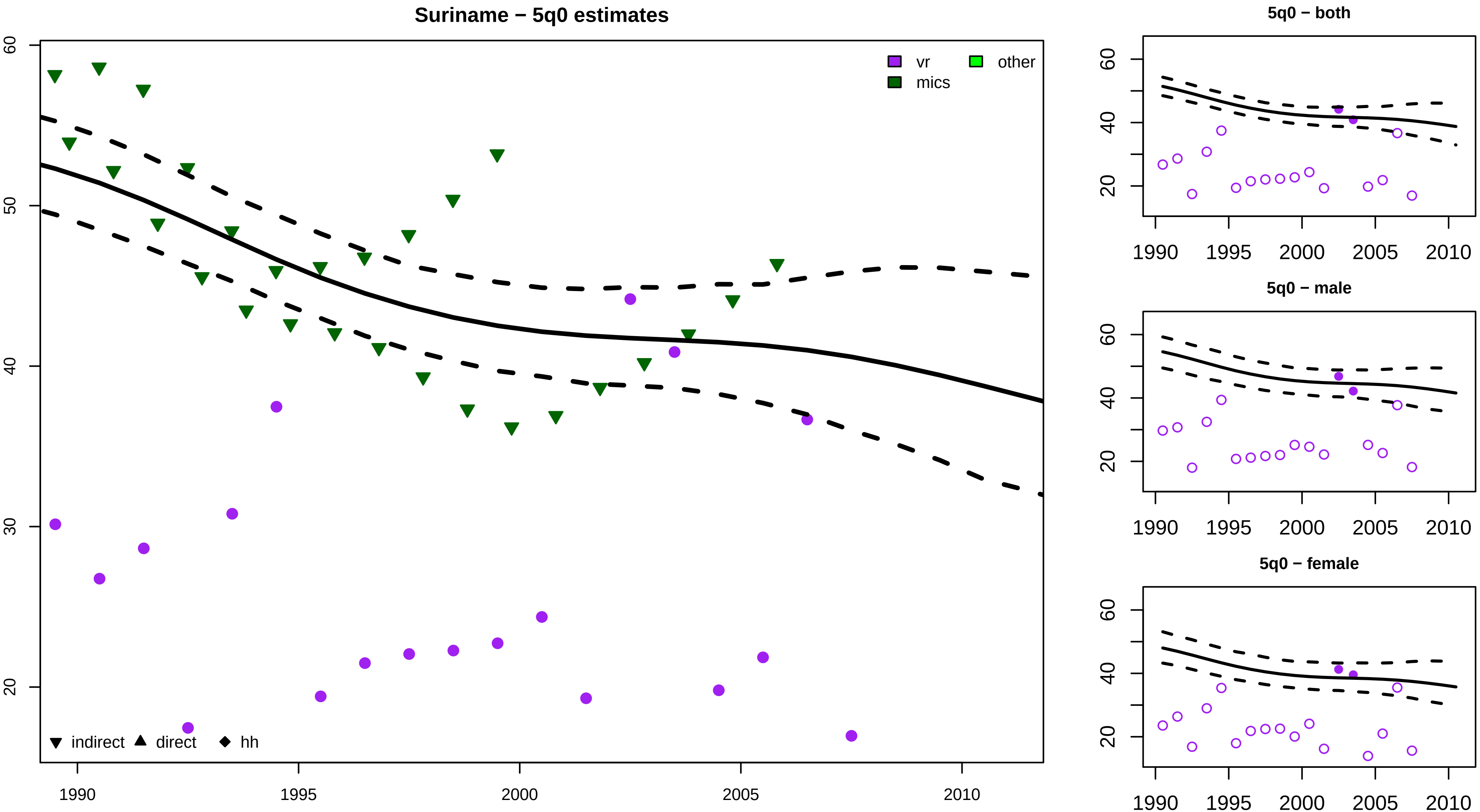

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



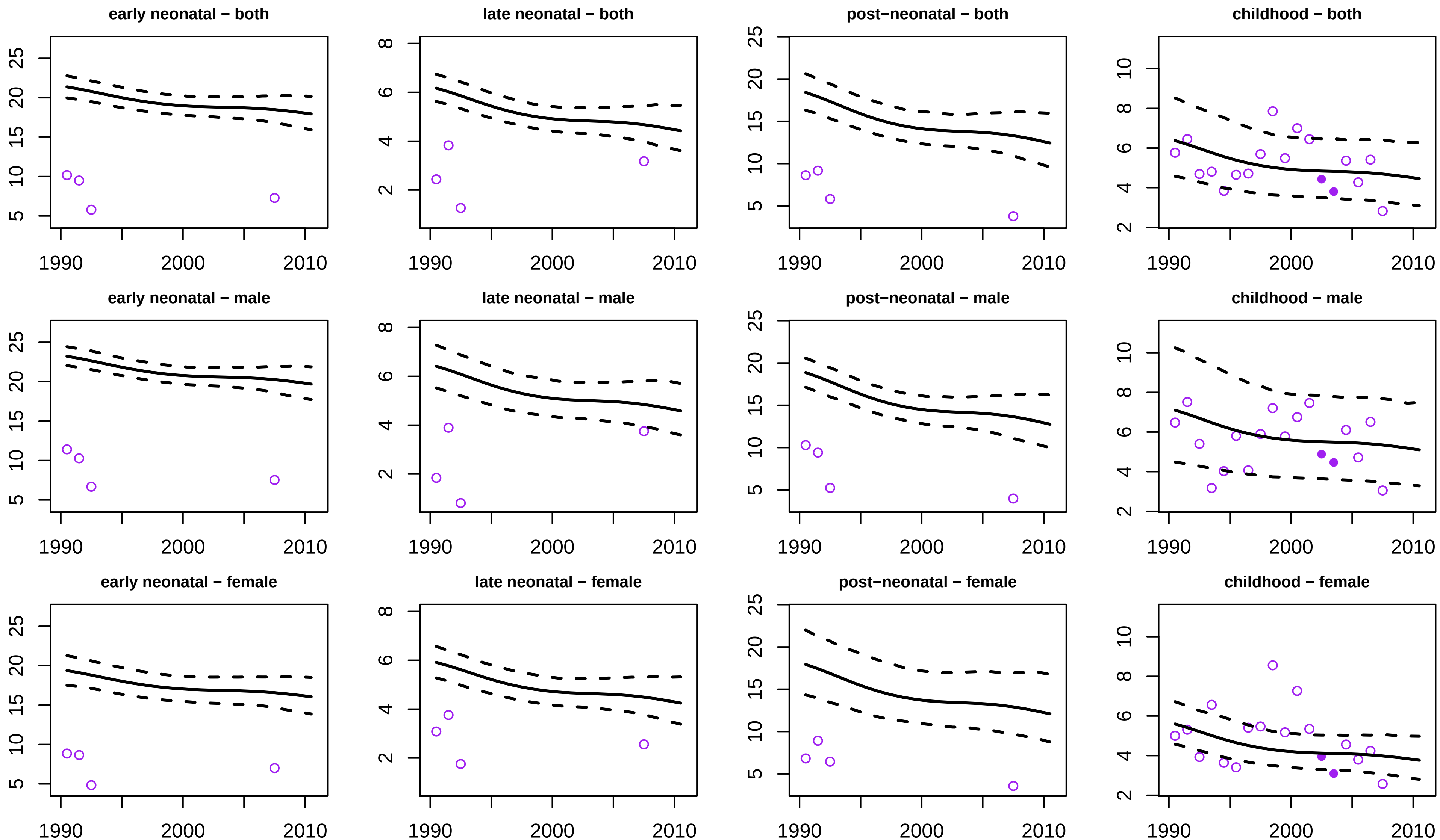
Sudan − 5q0 estimates
census
dhs
papchild
other
indirect
direct
hh
250
200
150
100
50
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
140
100
60

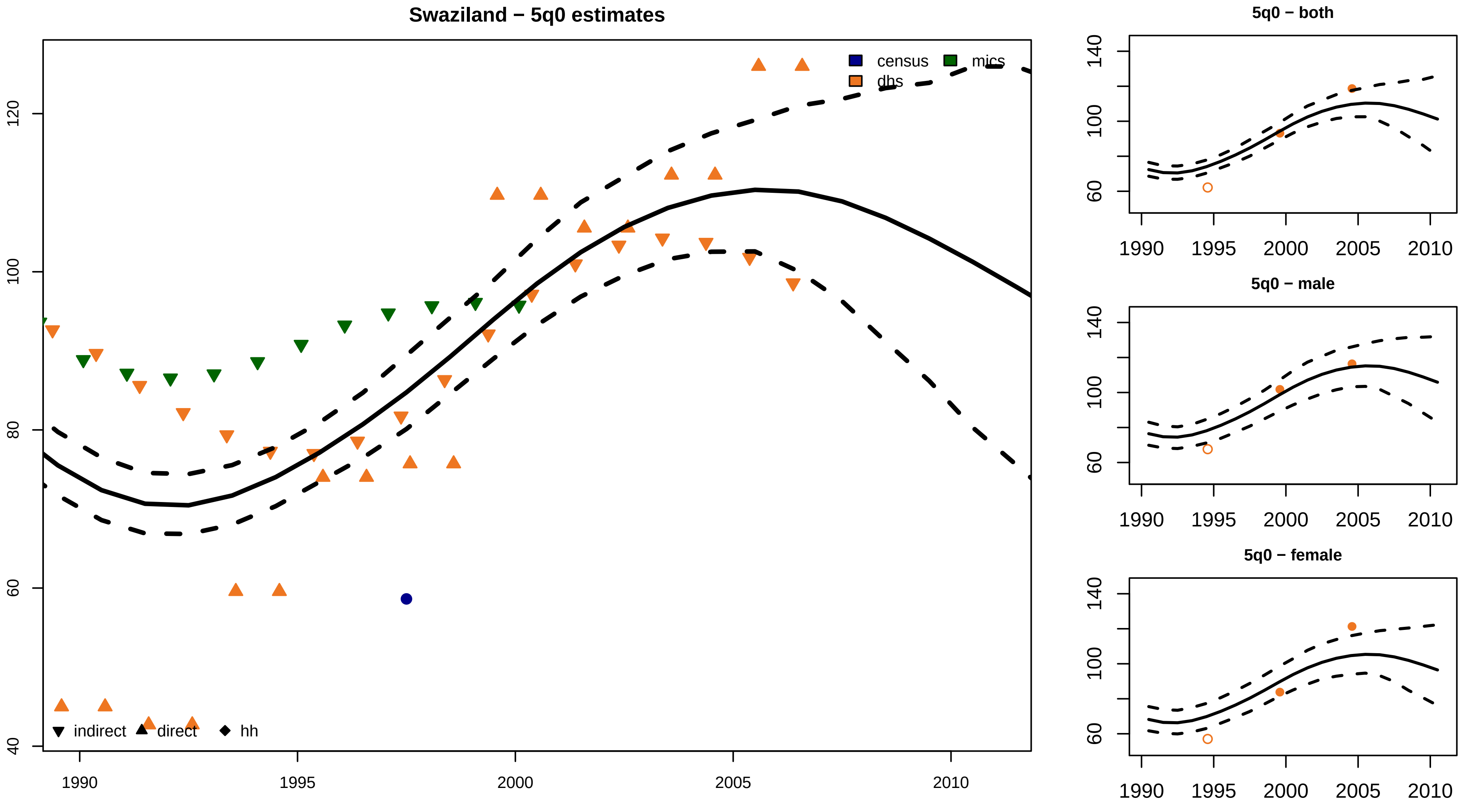


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female

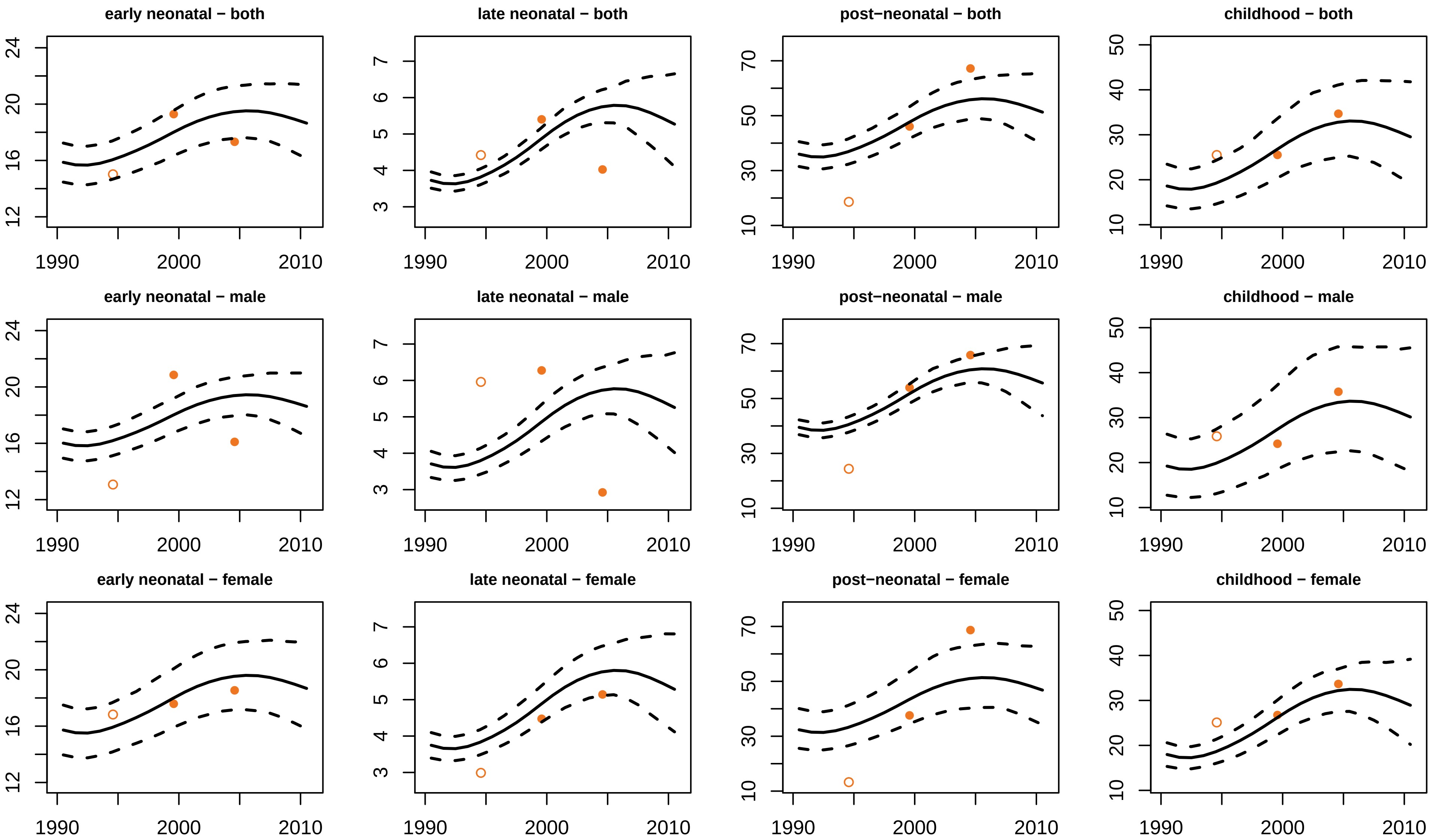


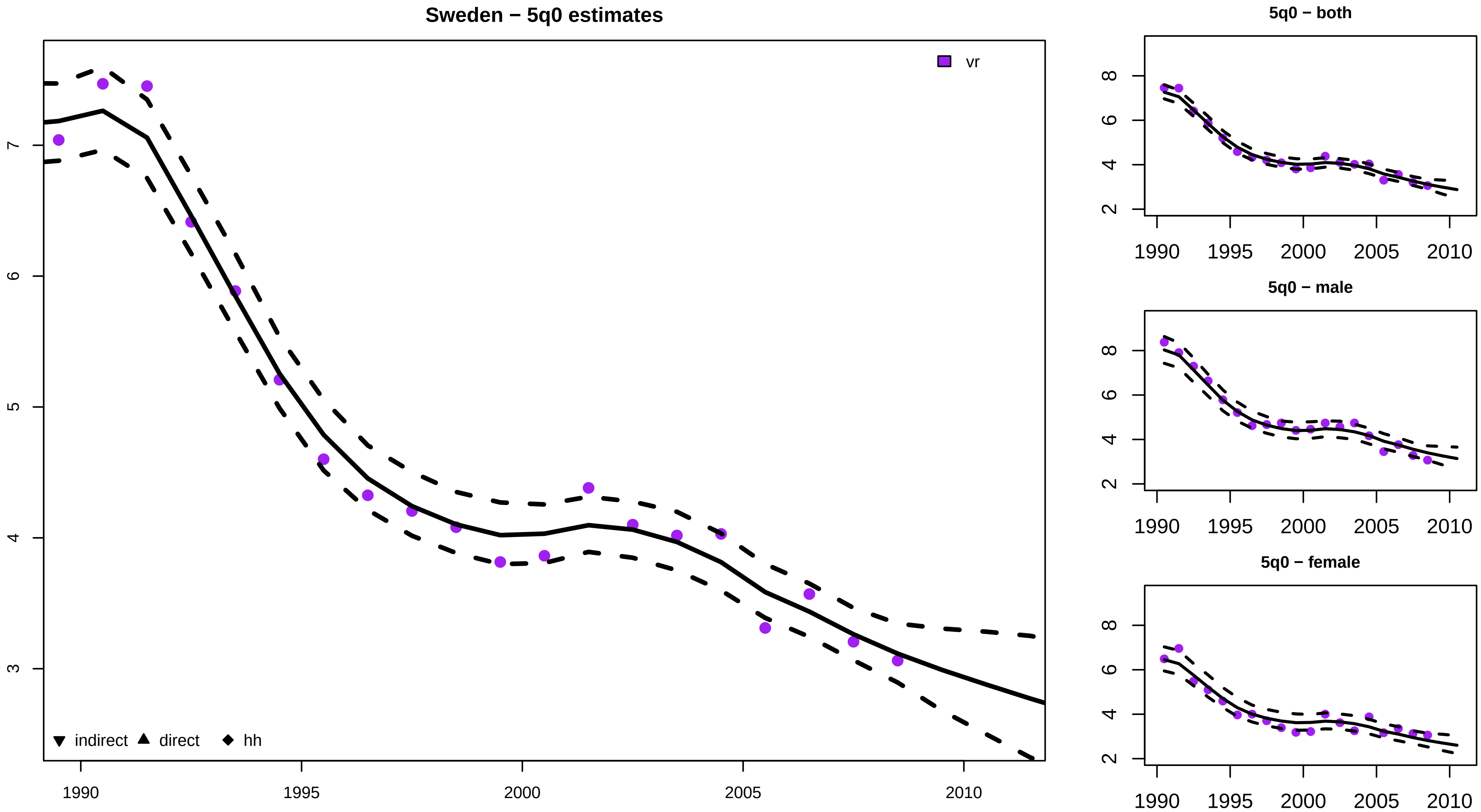
Suriname − 5q0 estimates
vr
other
mics
indirect
direct
hh
20
30
40
50
60
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

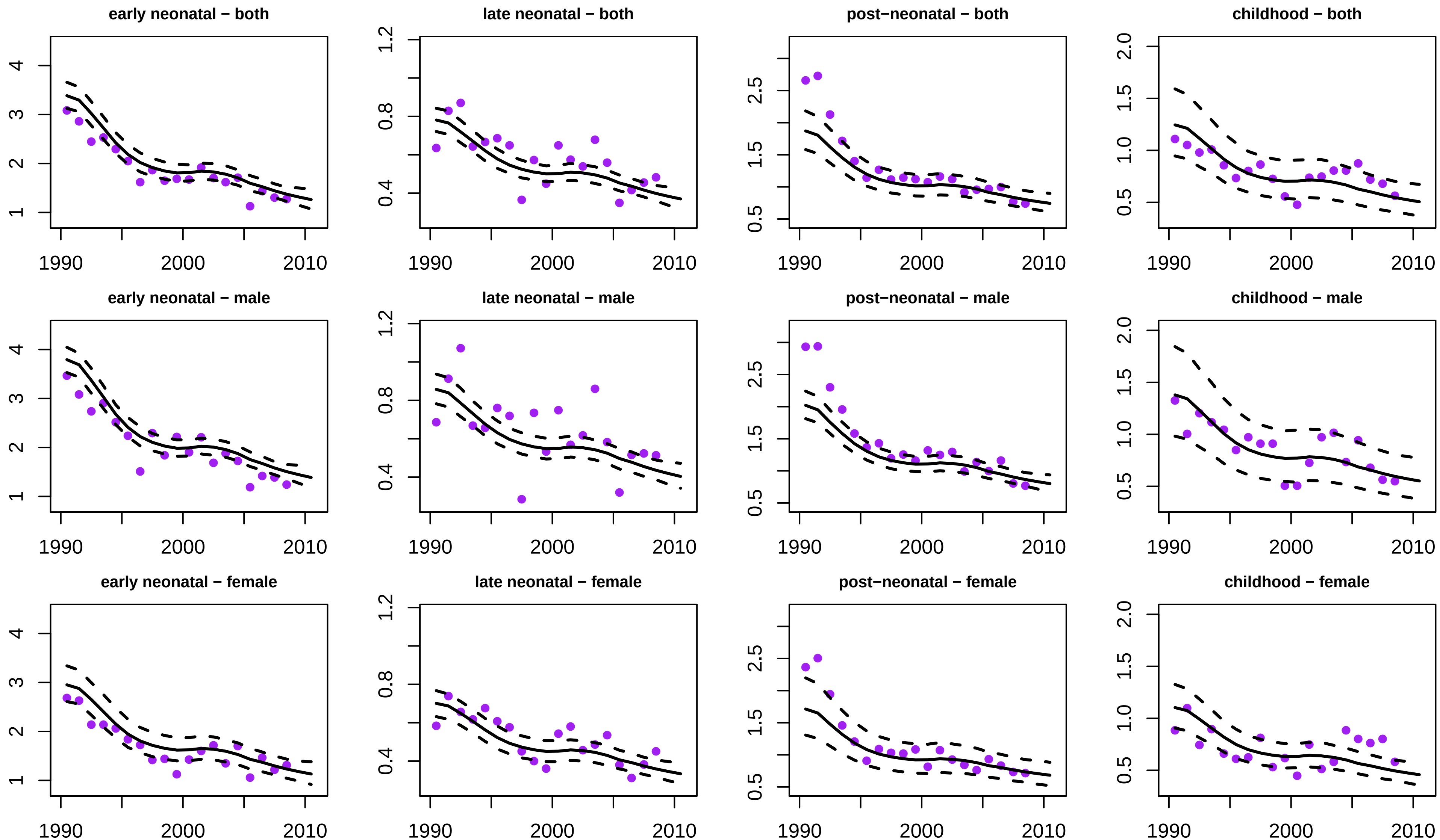


Swaziland − 5q0 estimates
census
mics
dhs
indirect
direct
hh
40
60
80
100
120
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
60
100
140

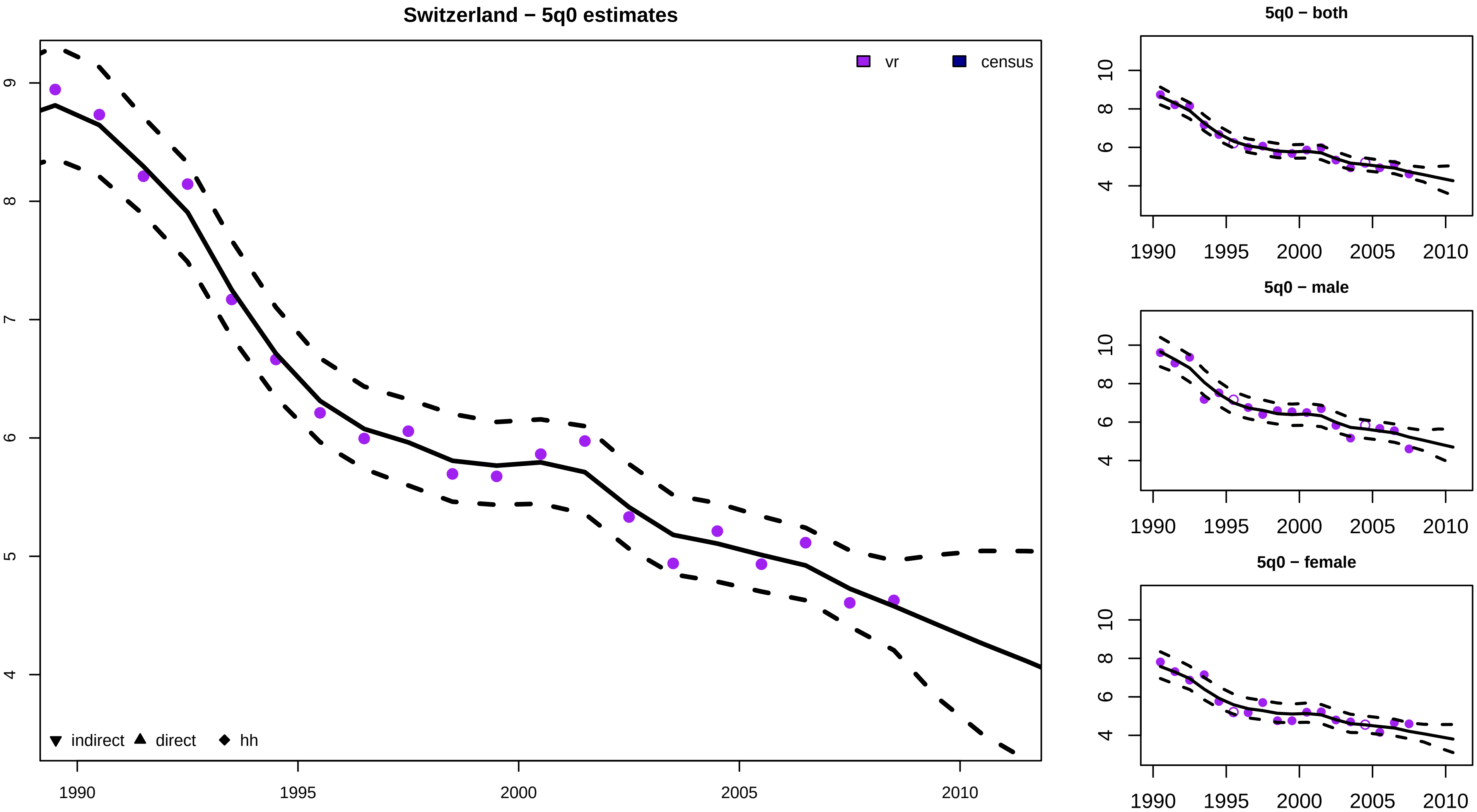

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
12
16
20
24
3
4
5
6
7
10
30
50
70
20
40

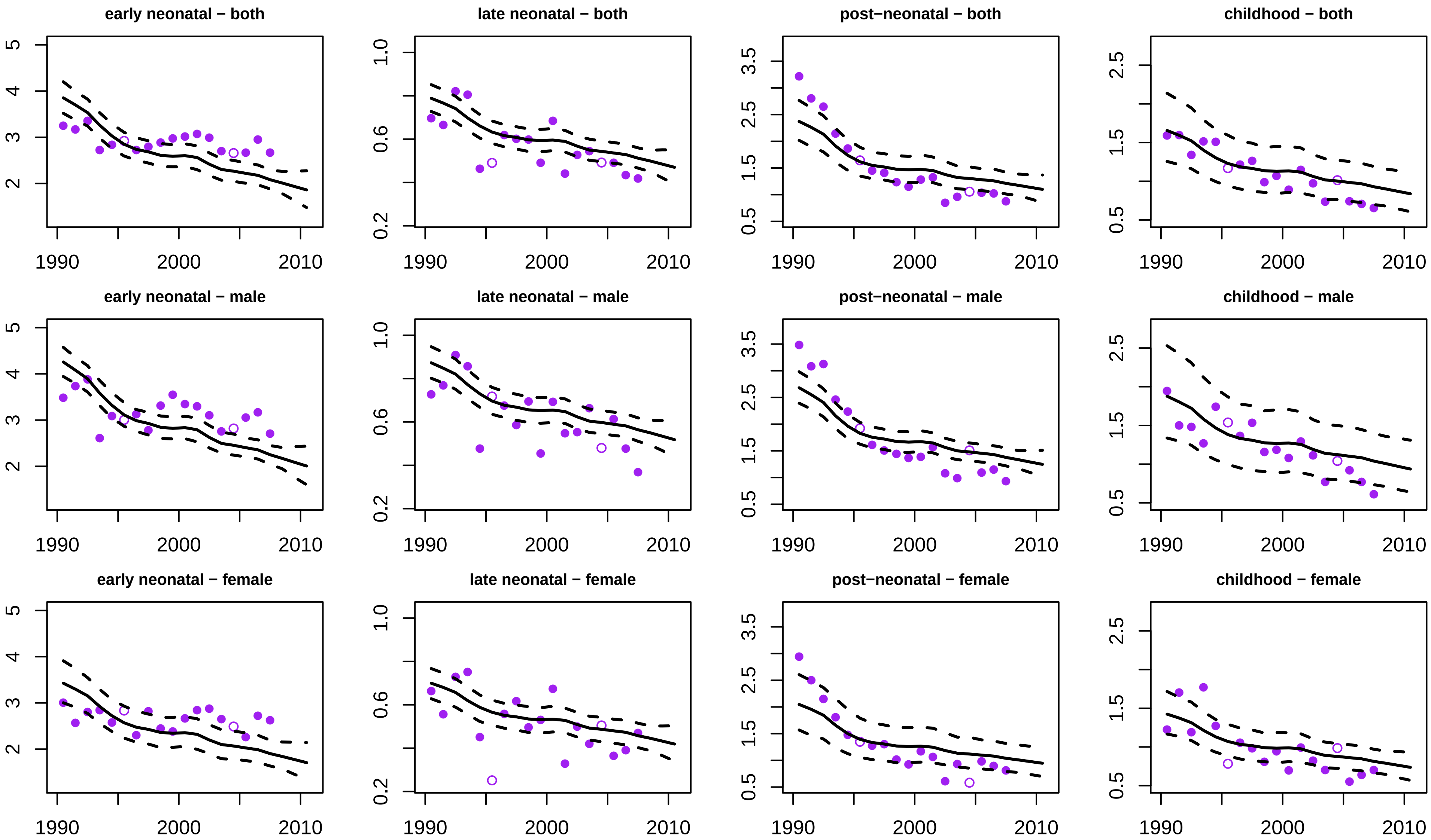


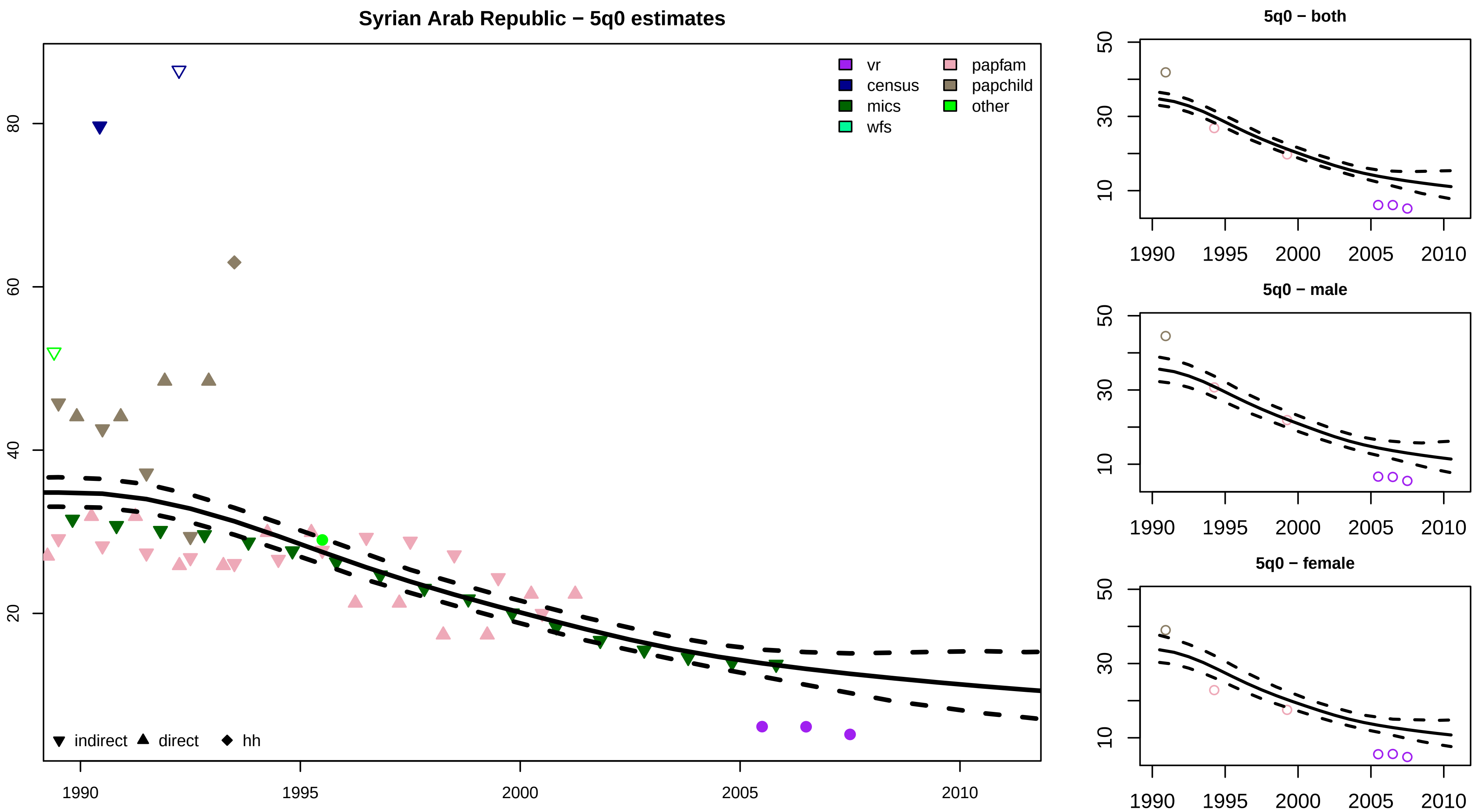
Sweden − 5q0 estimates
vr
indirect
direct
hh
7
6
5
4
3
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
8
6
4
2

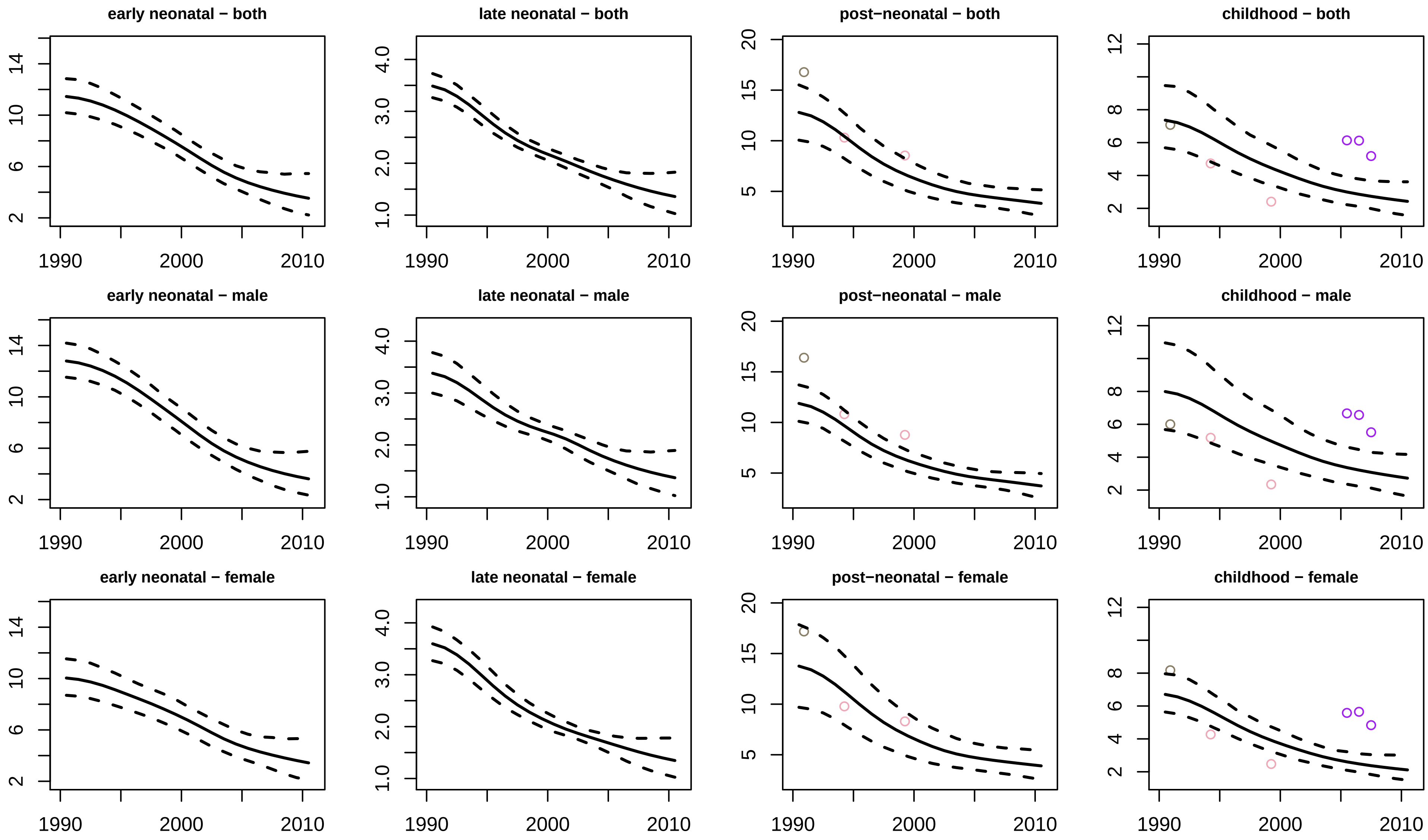


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

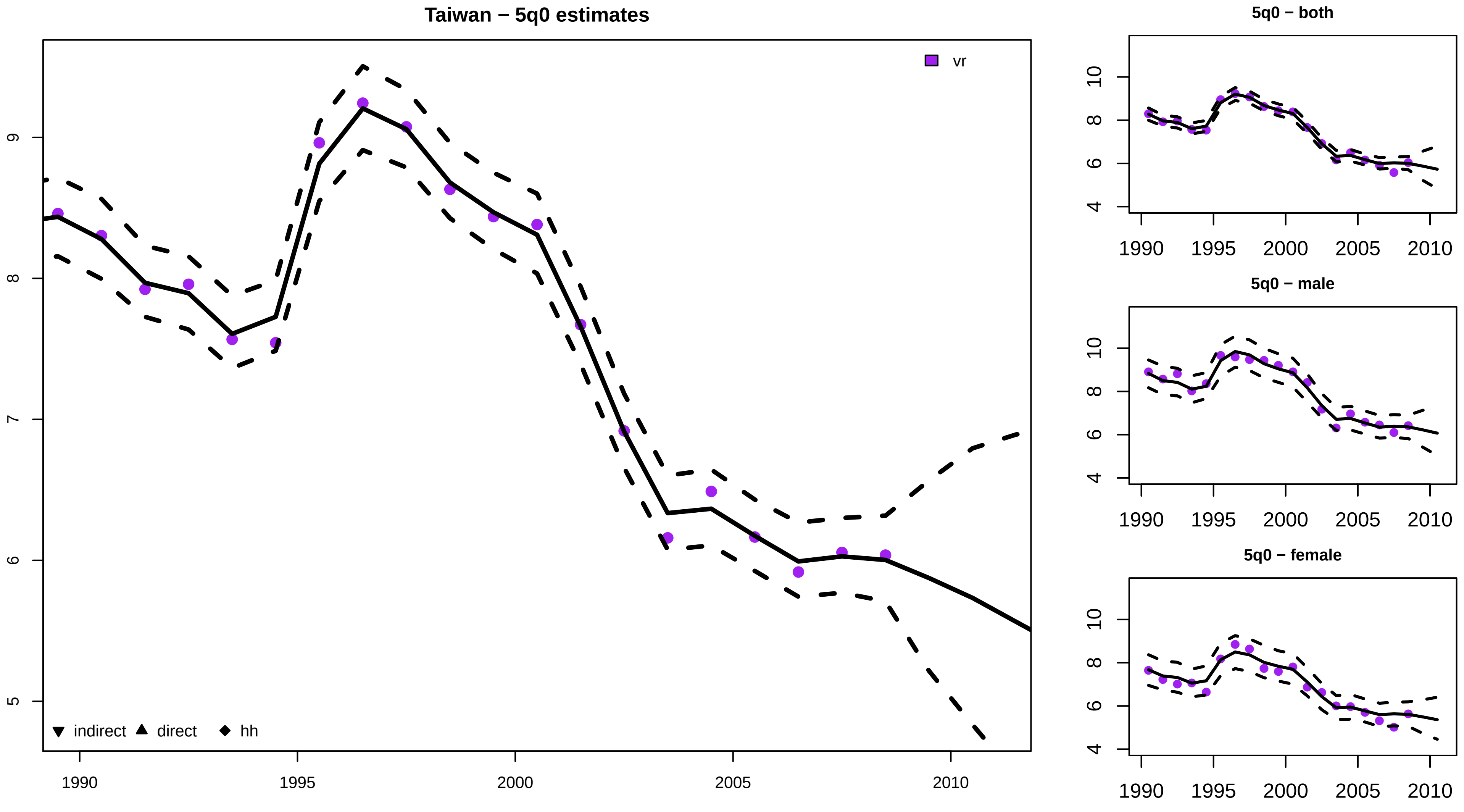

Switzerland − 5q0 estimates
vr
census
indirect
direct
hh
1990
1995
2000
2005
2010
4
5
6
7
8
9
5q0 − both
5q0 − male
5q0 − female
10


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

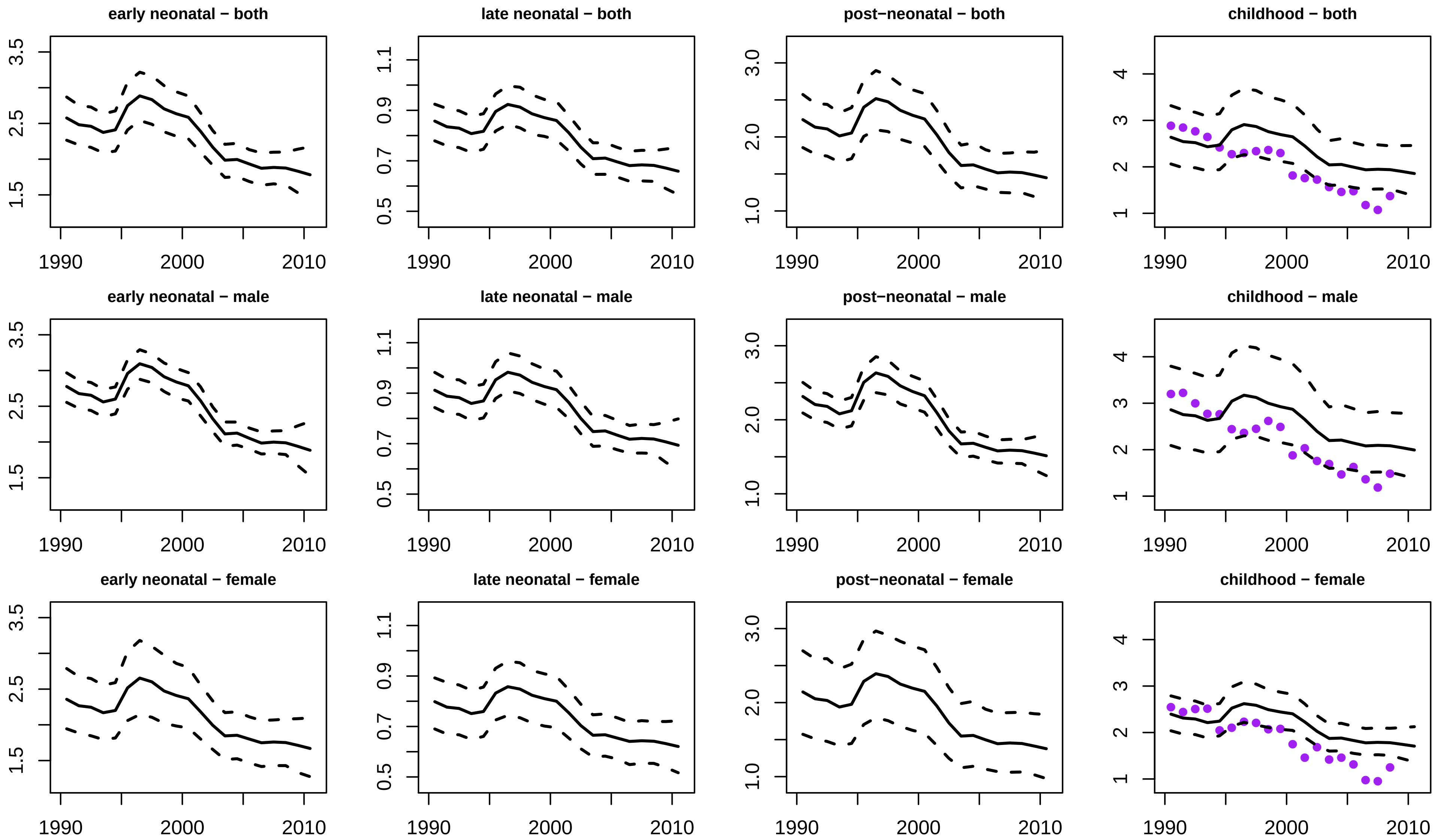

Syrian Arab Republic – 5q0 estimates
vr
census
mics
wfs
papfam
papchild
other
indirect
direct
hh
5q0 – both
5q0 – male
5q0 – female
1990
1995
2000
2005
2010
20
40
60
80
10
30
50

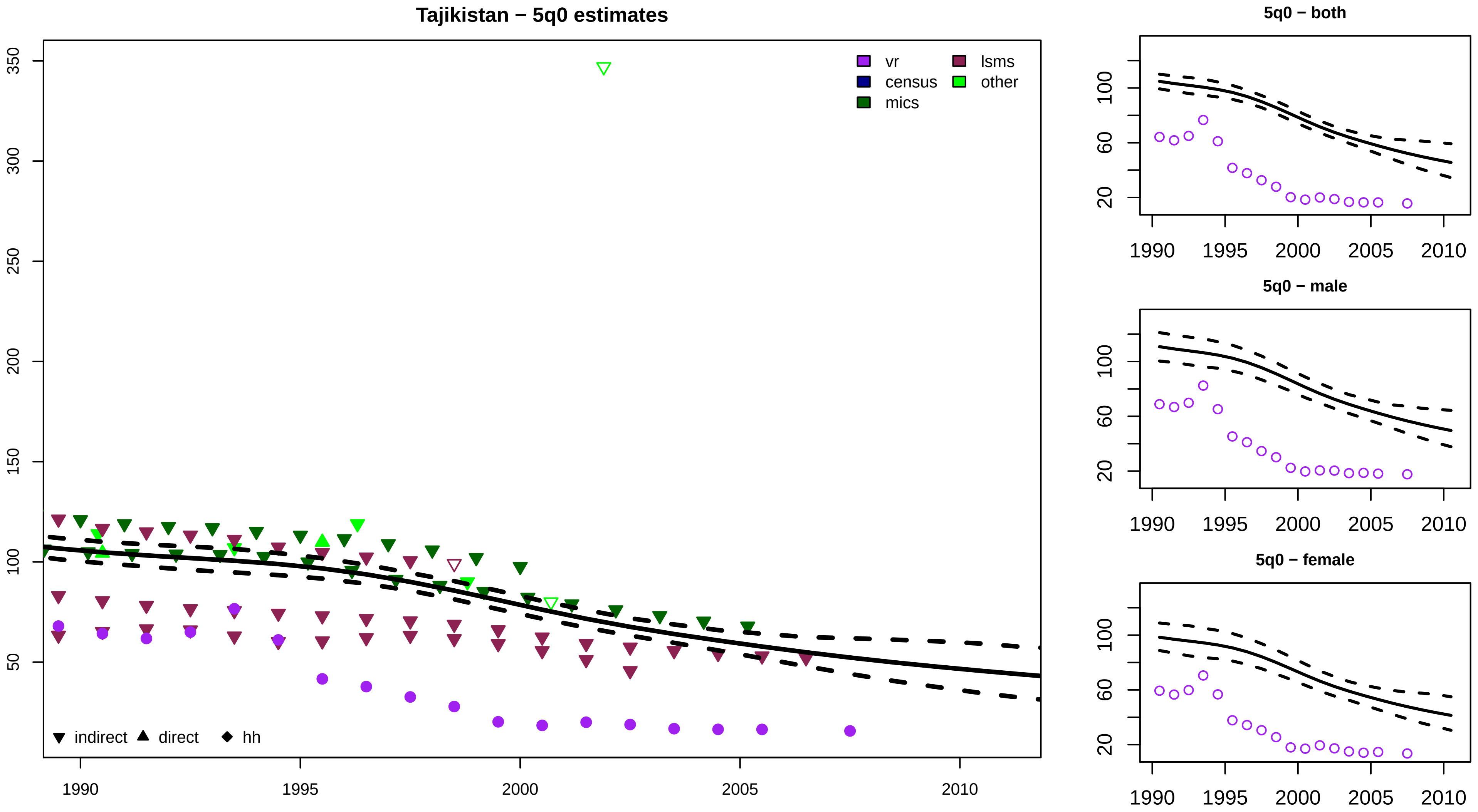


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

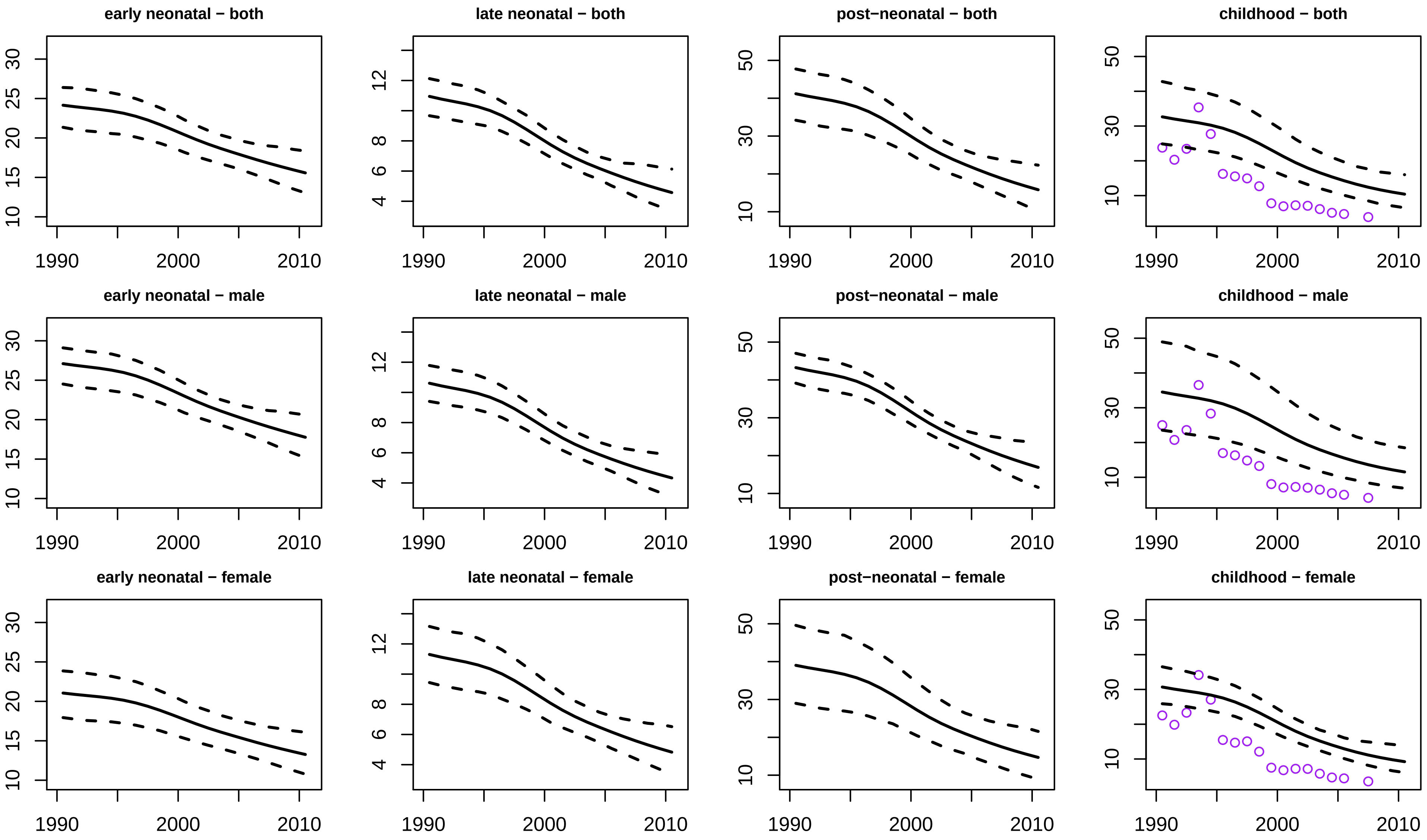


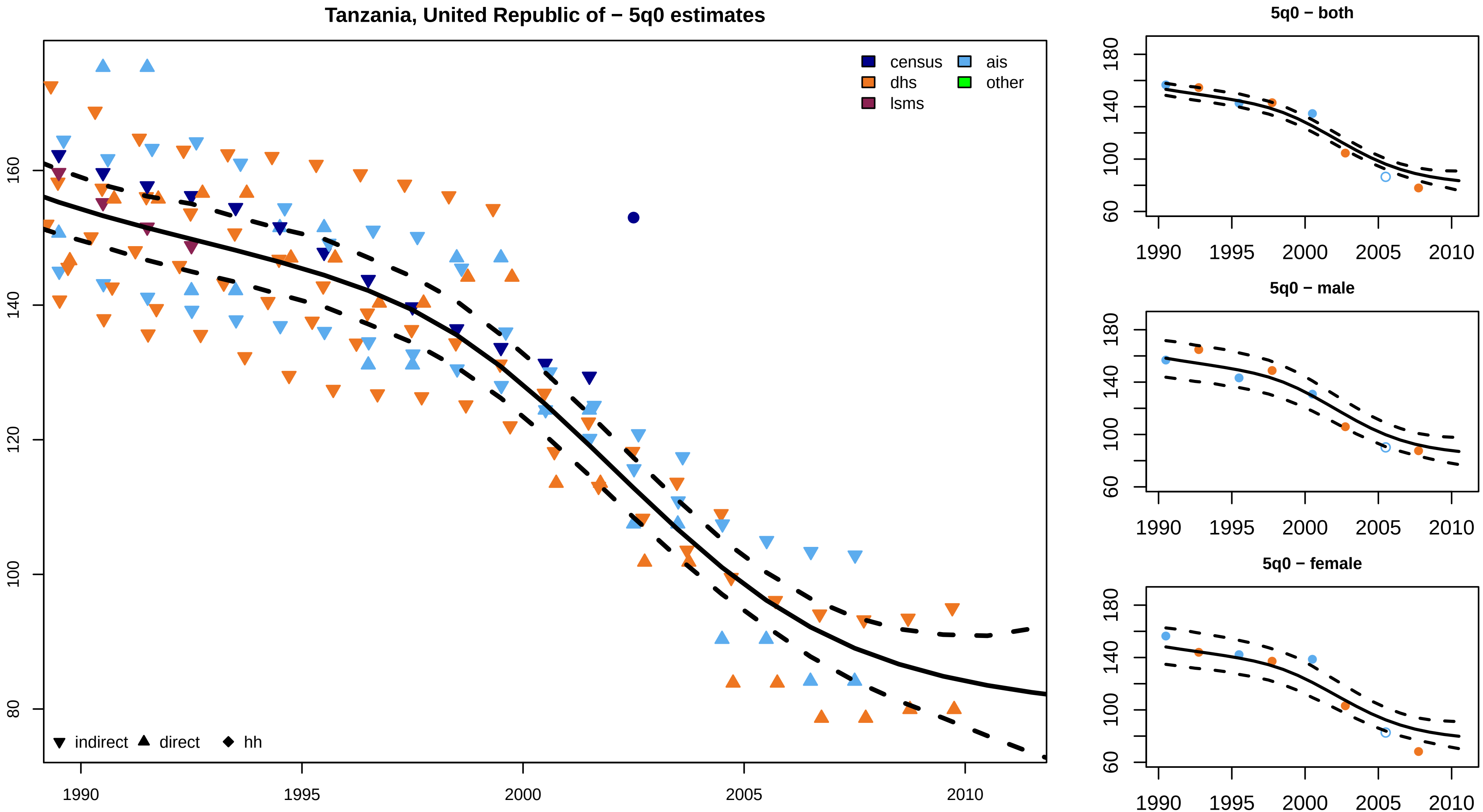
Taiwan − 5q0 estimates
vr
indirect
direct
hh
5
6
7
8
9
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
4
6
8
10


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
1.5
2.5
3.5
0.5
0.7
0.9
1.1
1.0
2.0
3.0
1
2
3
4

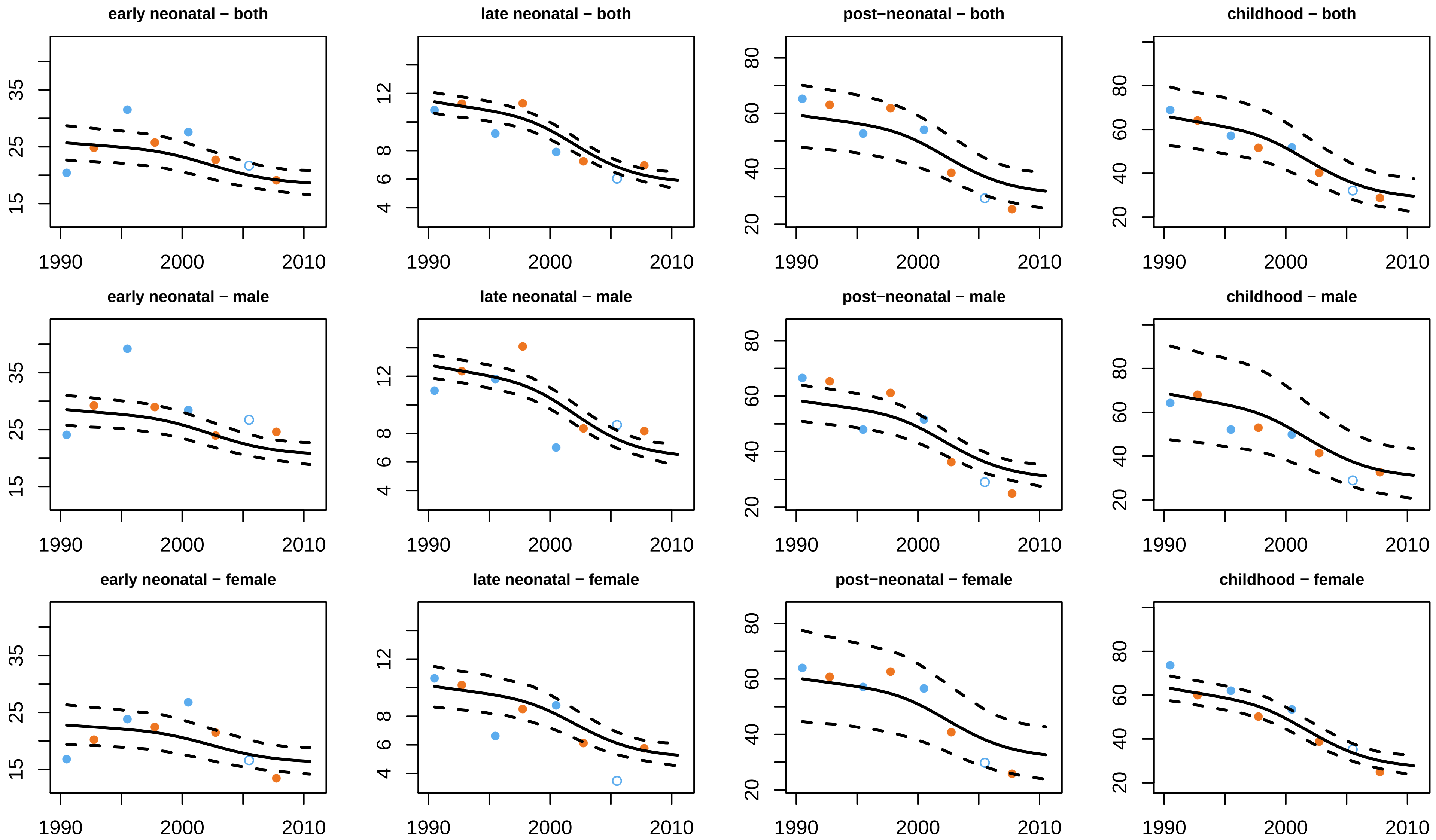


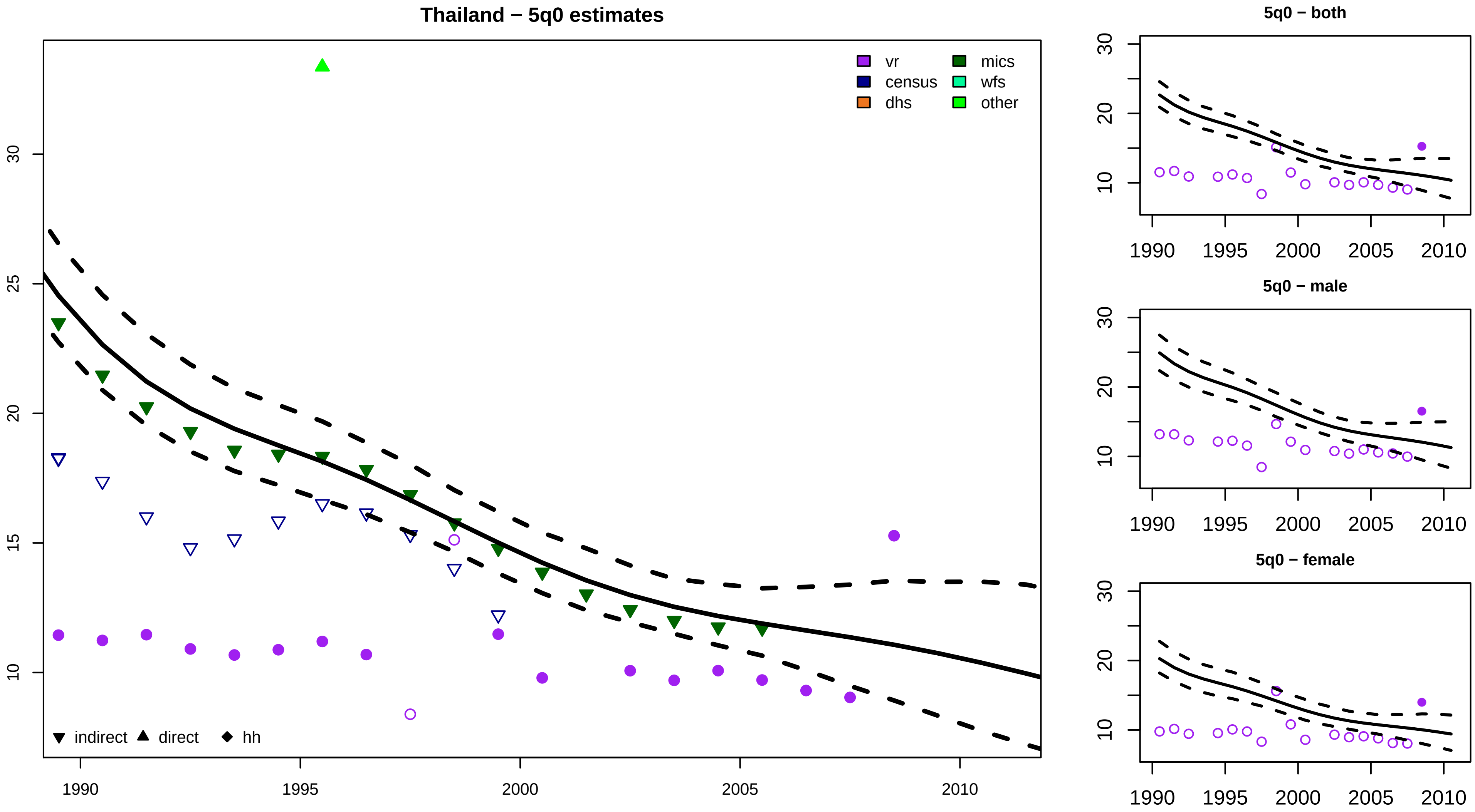
Tajikistan – 5q0 estimates
vr
census
mics
lsms
other
indirect
direct
hh
350
300
250
200
150
100
50
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
100
60
20

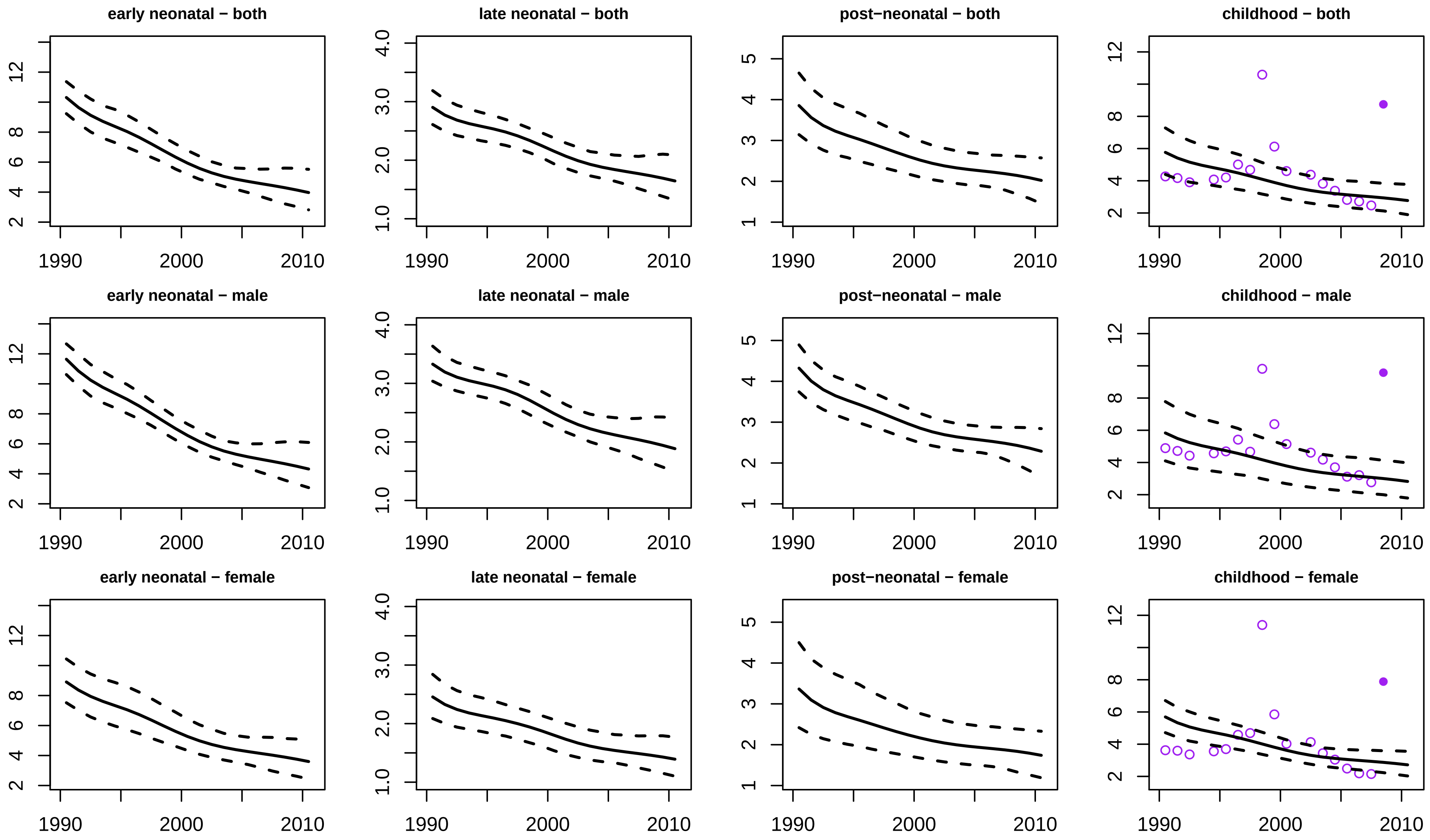

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female

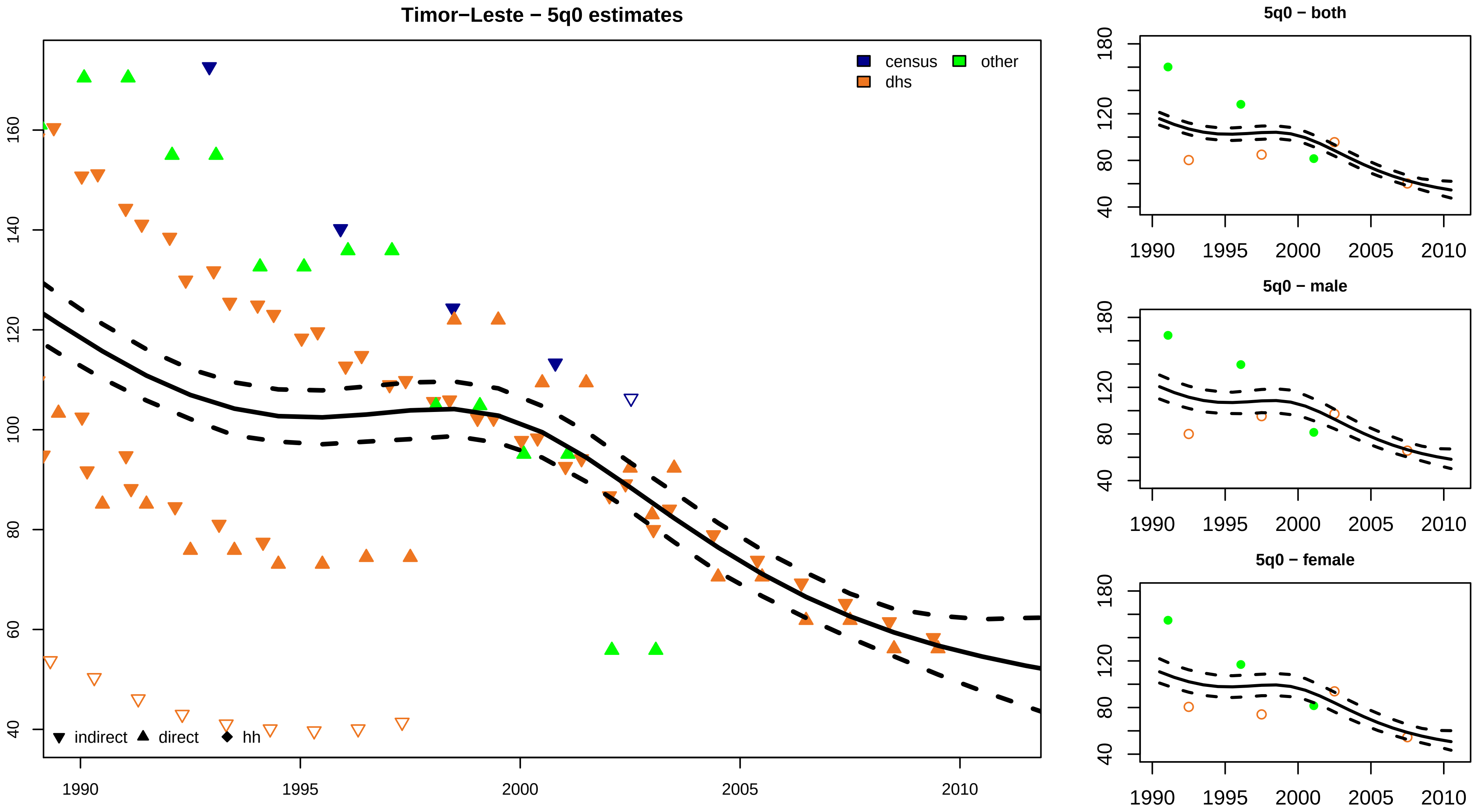


Tanzania, United Republic of − 5q0 estimates
census
dhs
lsms
ais
other
indirect
direct
hh
80
100
120
140
160
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
60
100
140
180

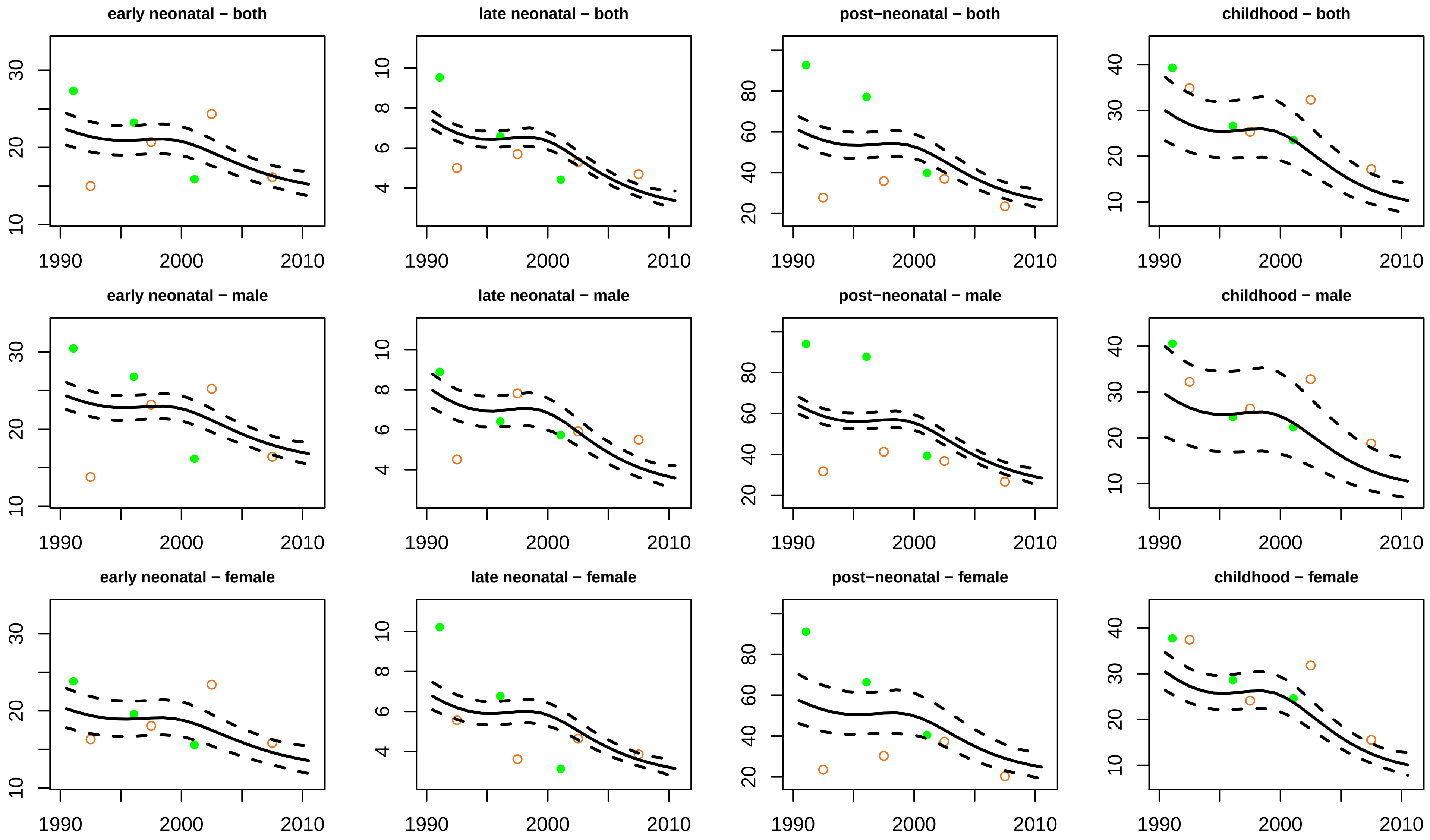

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
15
25
35
4
6
8
12
20
40
60
80


Thailand − 5q0 estimates
vr
census
dhs
mics
wfs
other
indirect
direct
hh
30
25
20
15
10
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

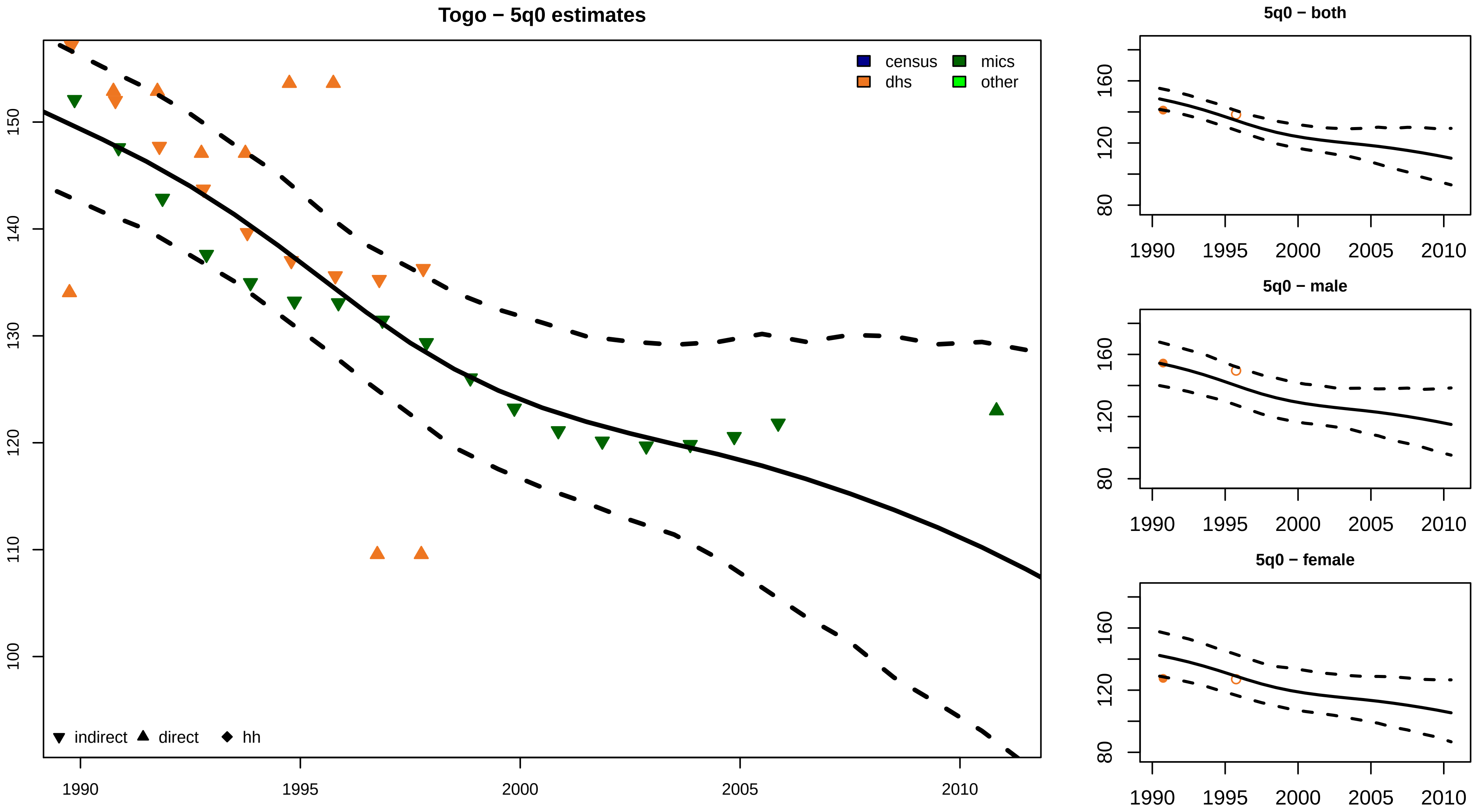

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



Timor−Leste − 5q0 estimates
census
other
dhs
indirect
direct
hh
160
140
120
100
80
60
40
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
180
120
80
40



early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



Togo − 5q0 estimates
census
mics
dhs
other
indirect
direct
hh
100
110
120
130
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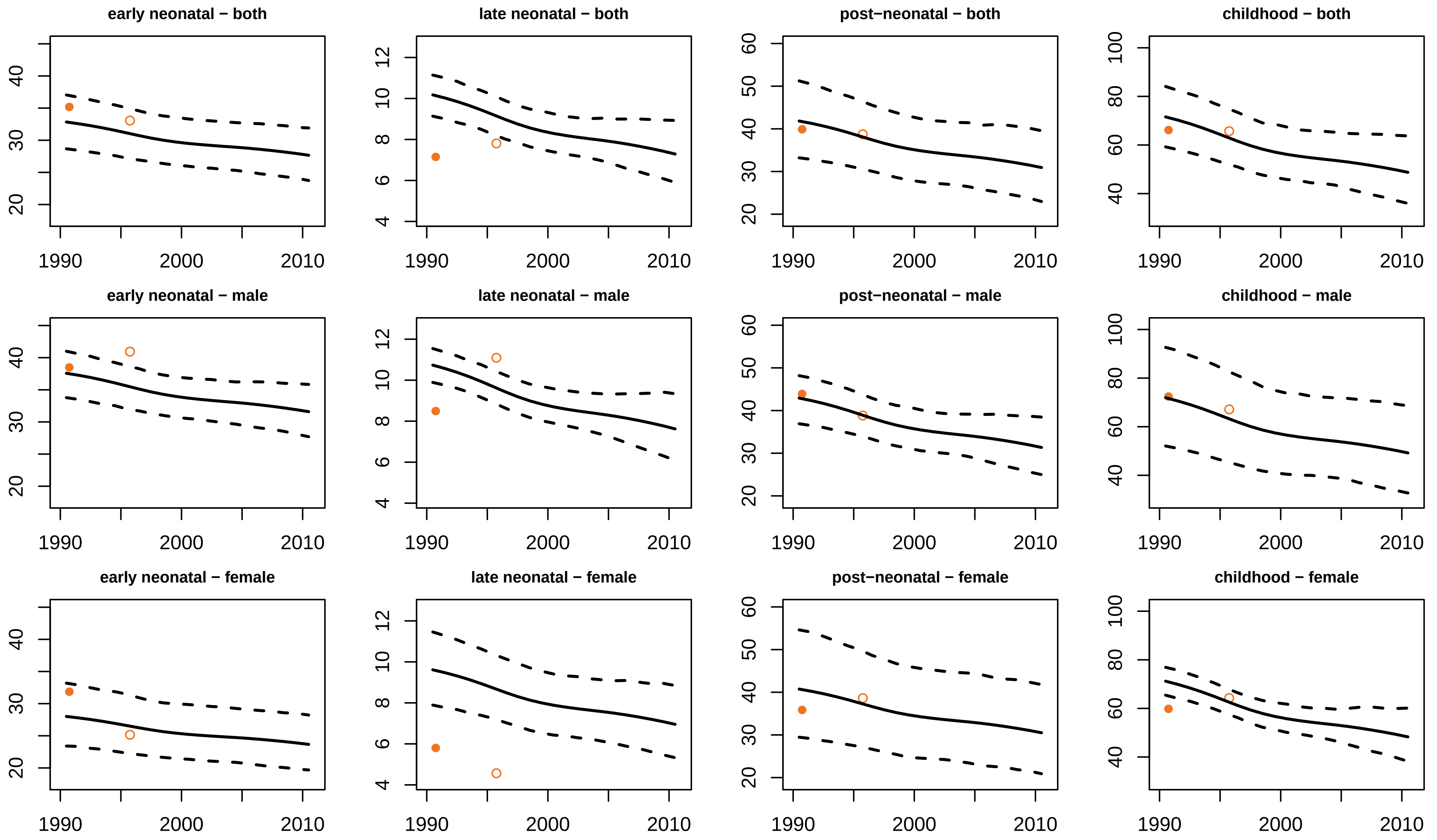
150
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
80
120
160


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
20
30
40
4
6
8
10
12
20
30
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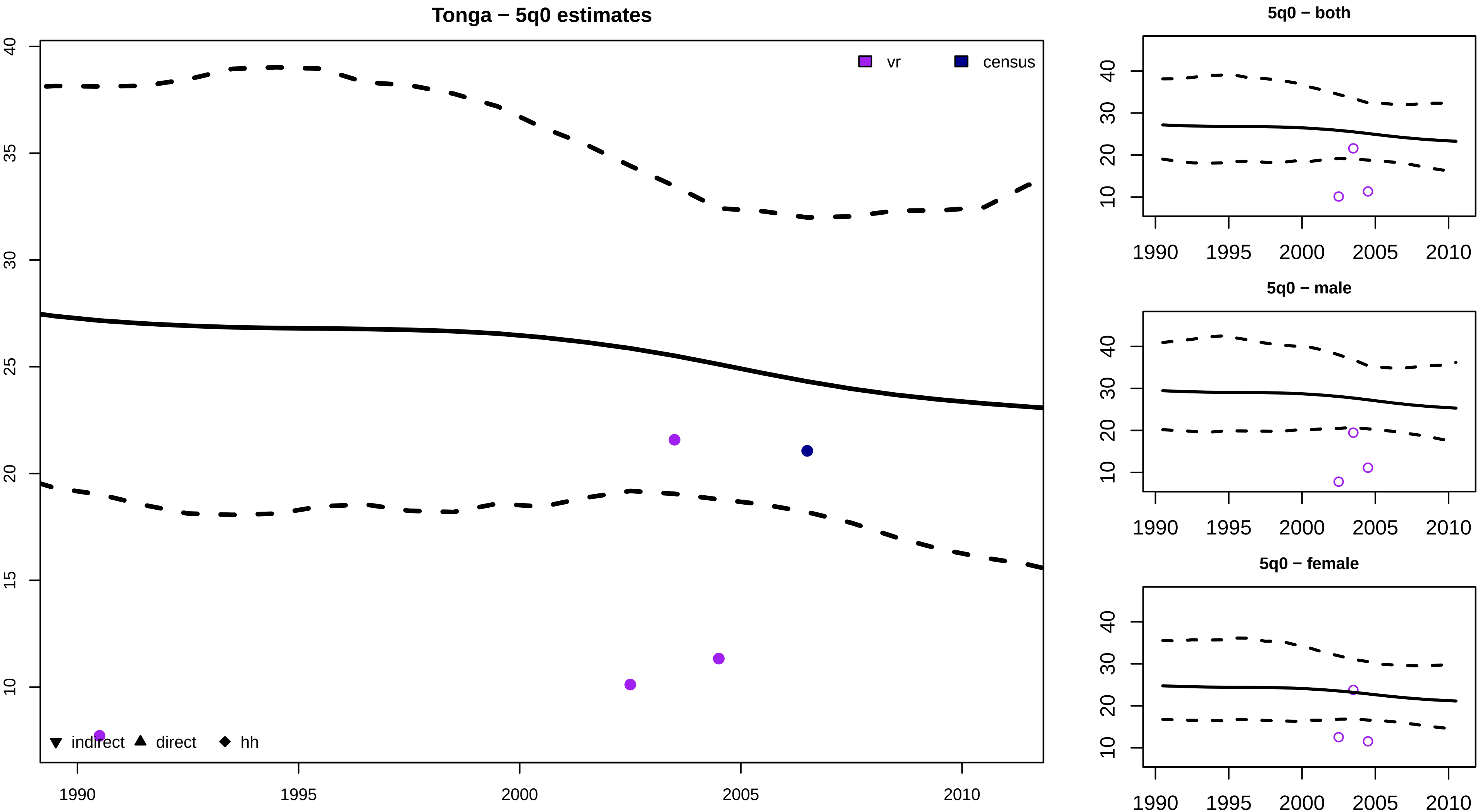
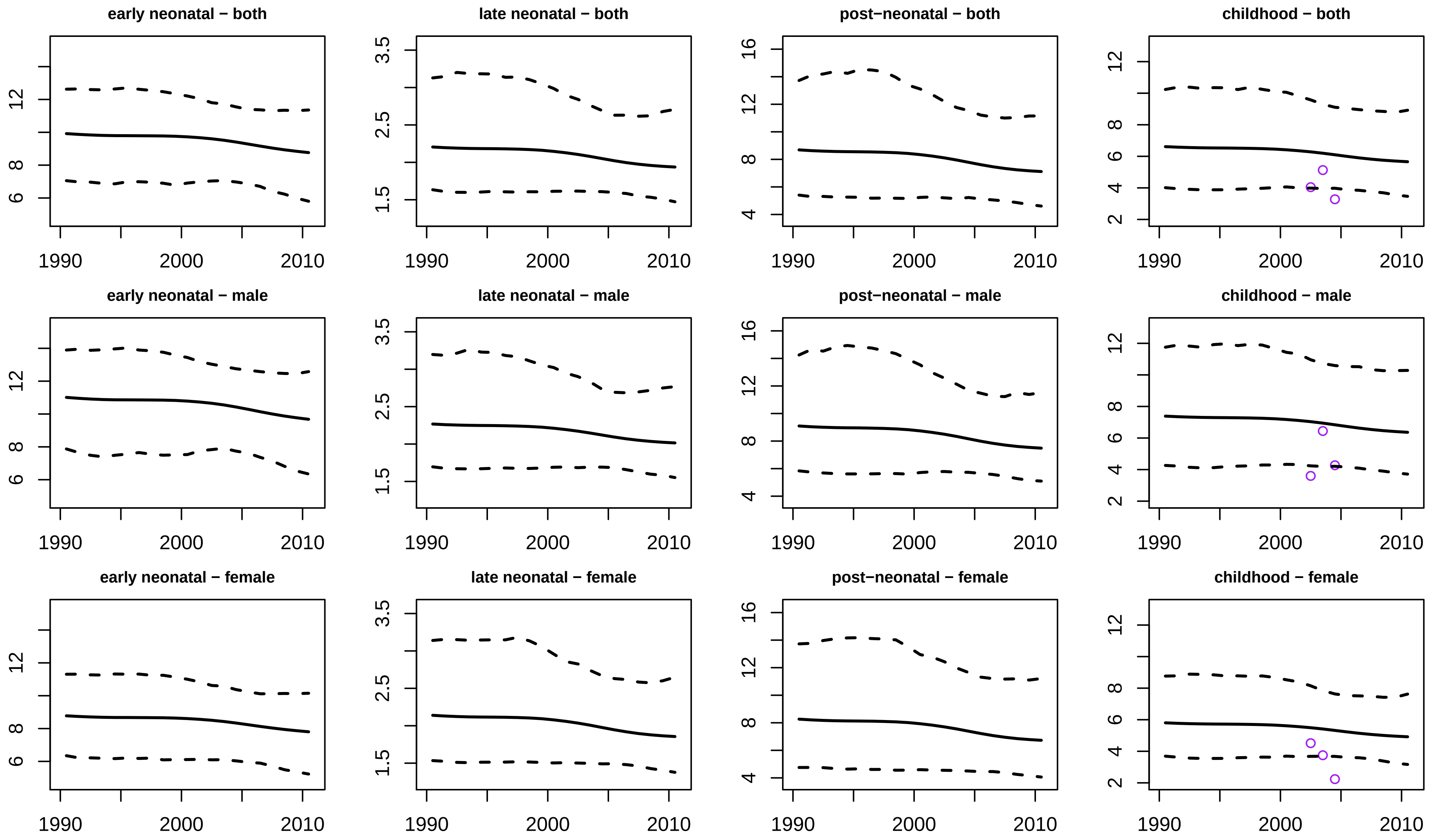
60
40
60
80
100


Tonga − 5q0 estimates
vr
census
indirect
direct
hh
1990
1995
2000
2005
2010
10
15
20
25
30
35
40
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010
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8
12
1.5
2.5
3.5
4
8
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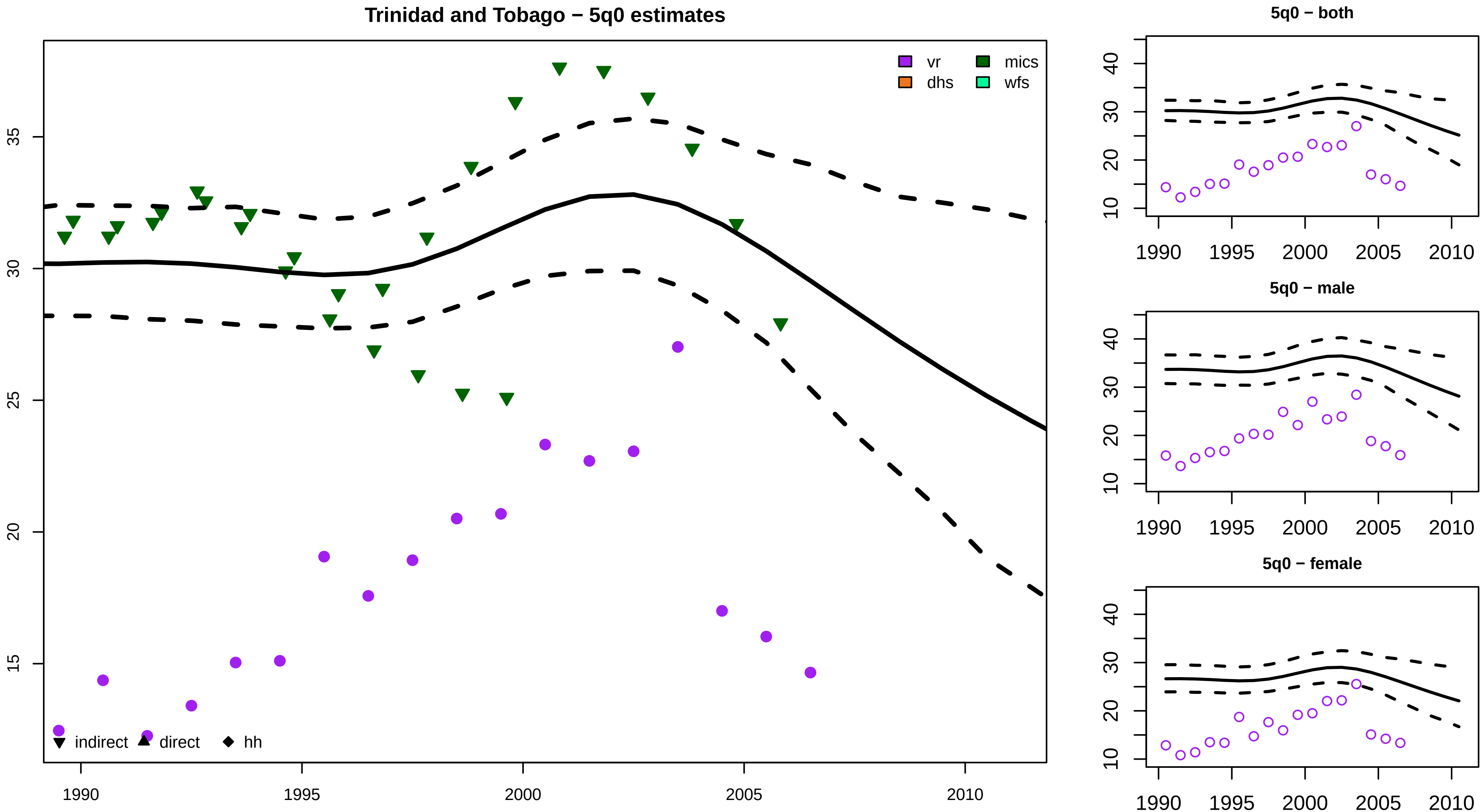
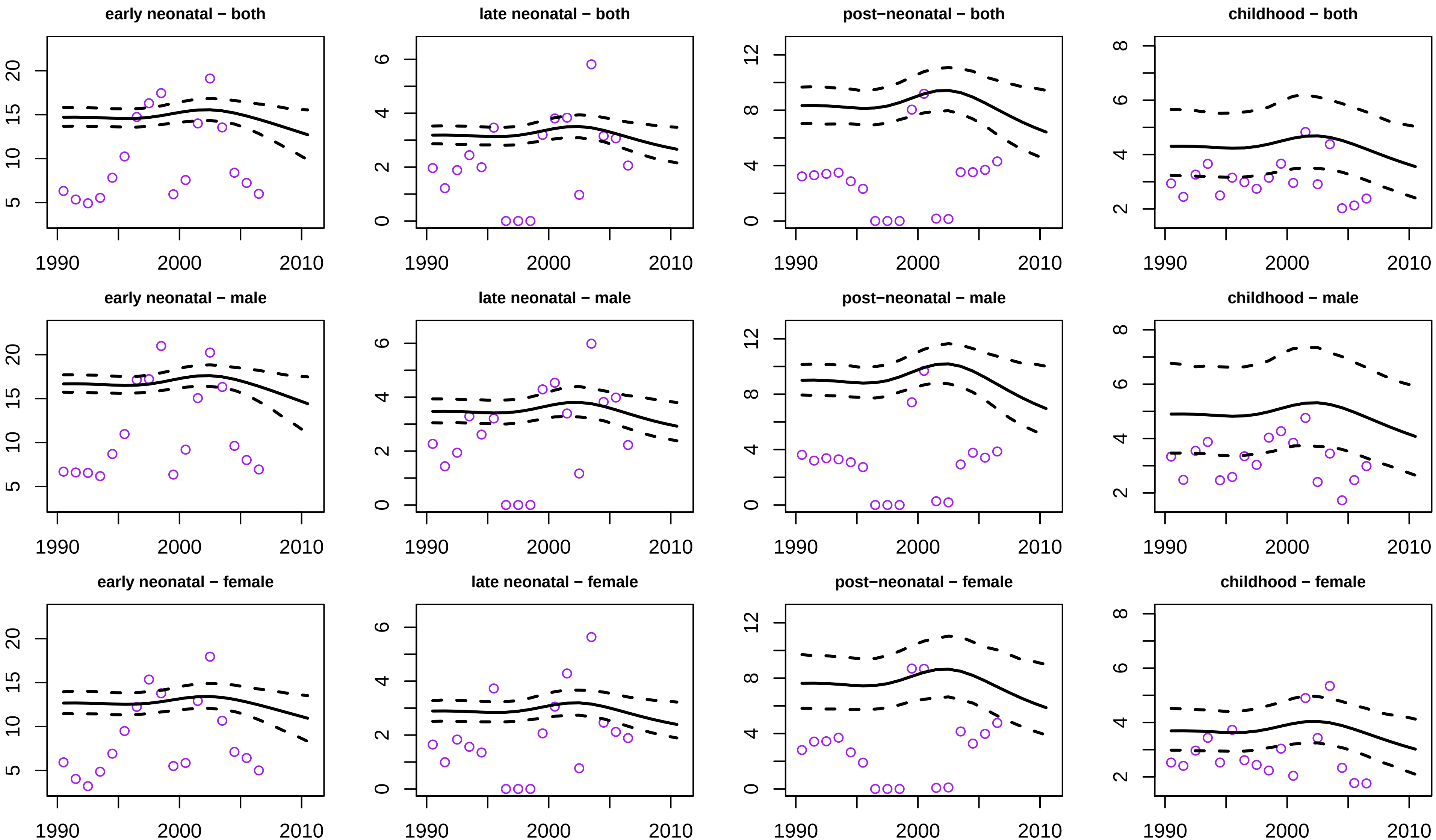
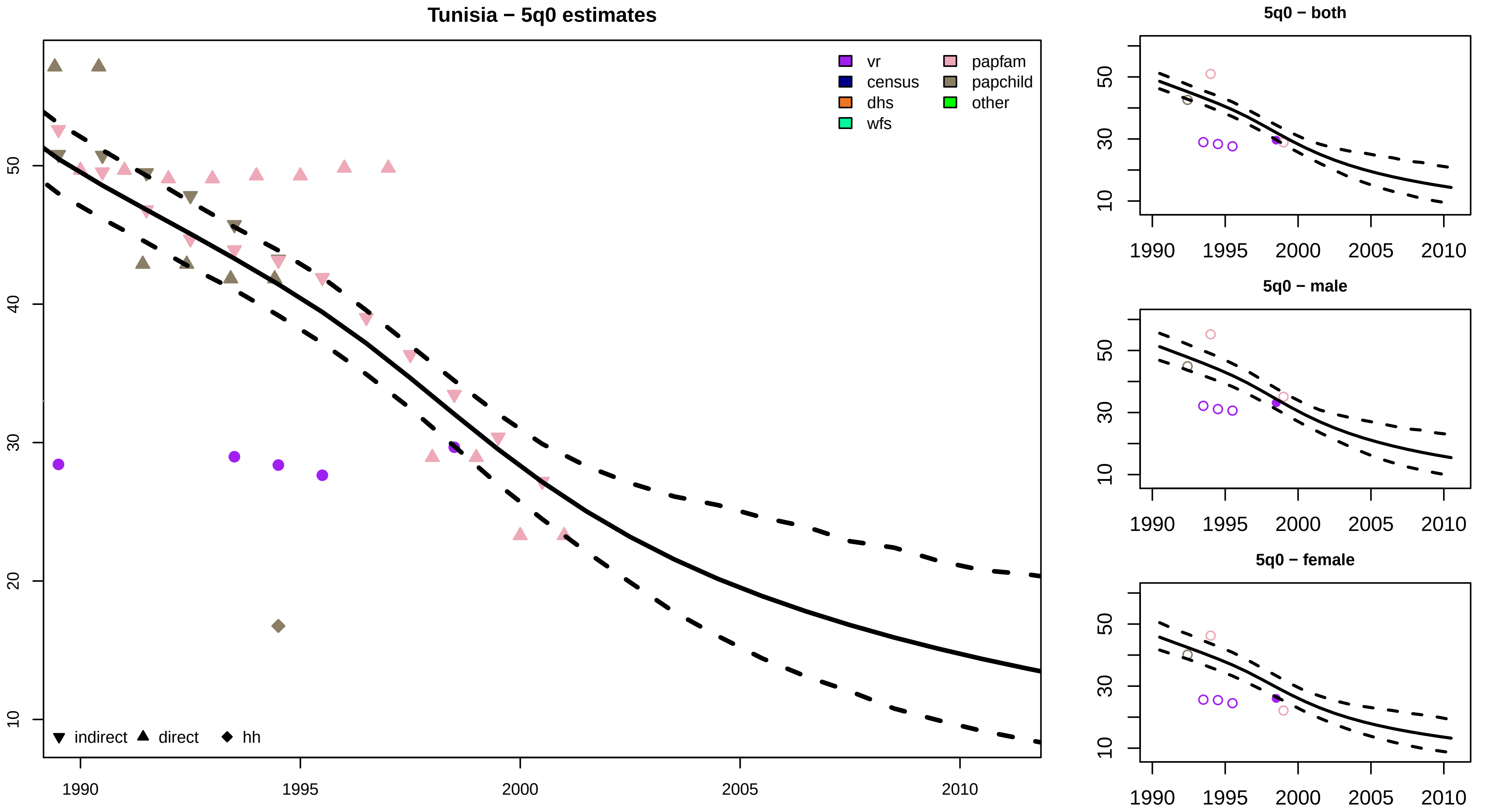
2
4
6
8
12



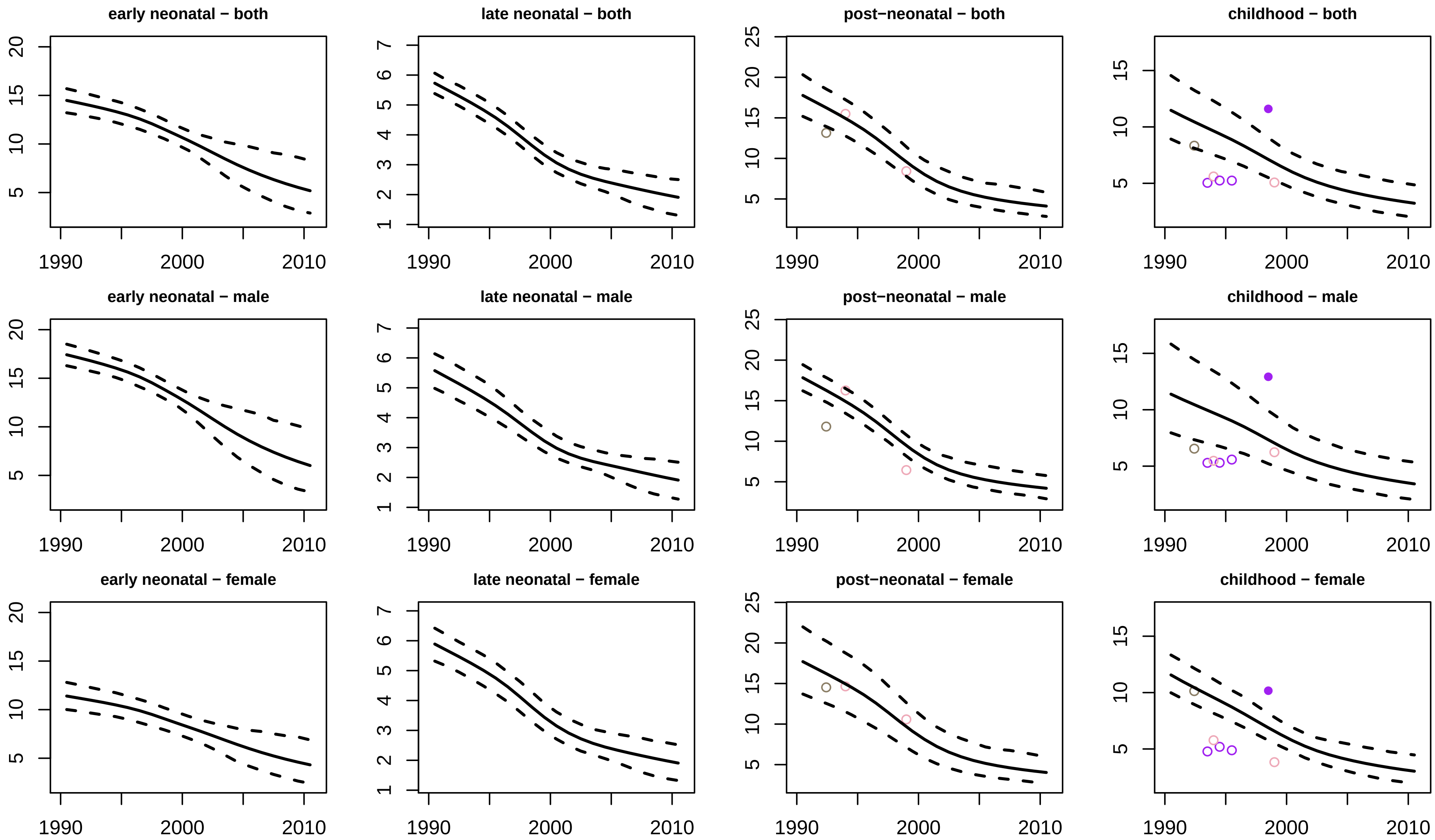
Trinidad and Tobago − 5q0 estimates
vr
mics
dhs
wfs
indirect
direct
hh
15
20
25
30
35
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
10
20
30
40



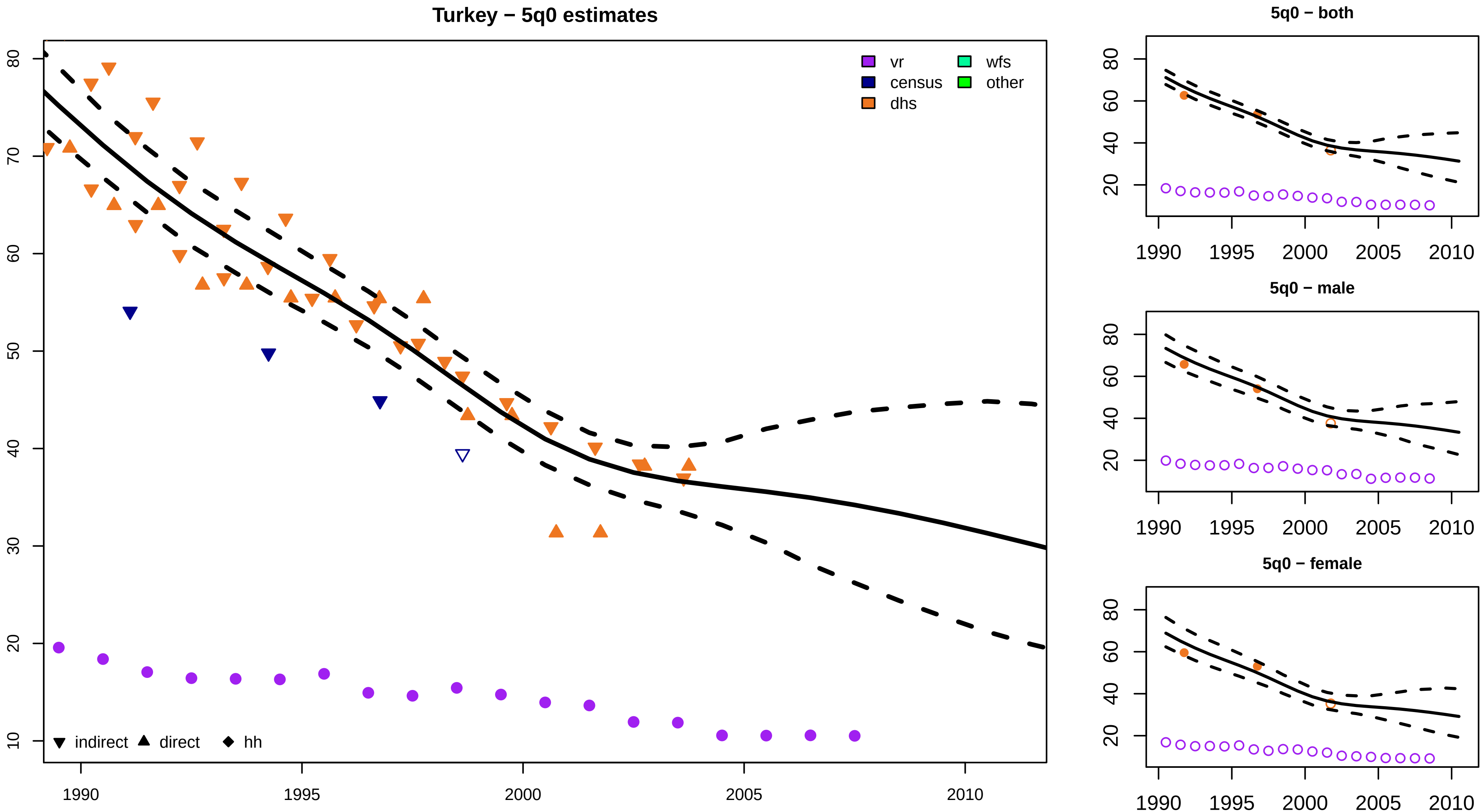
early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



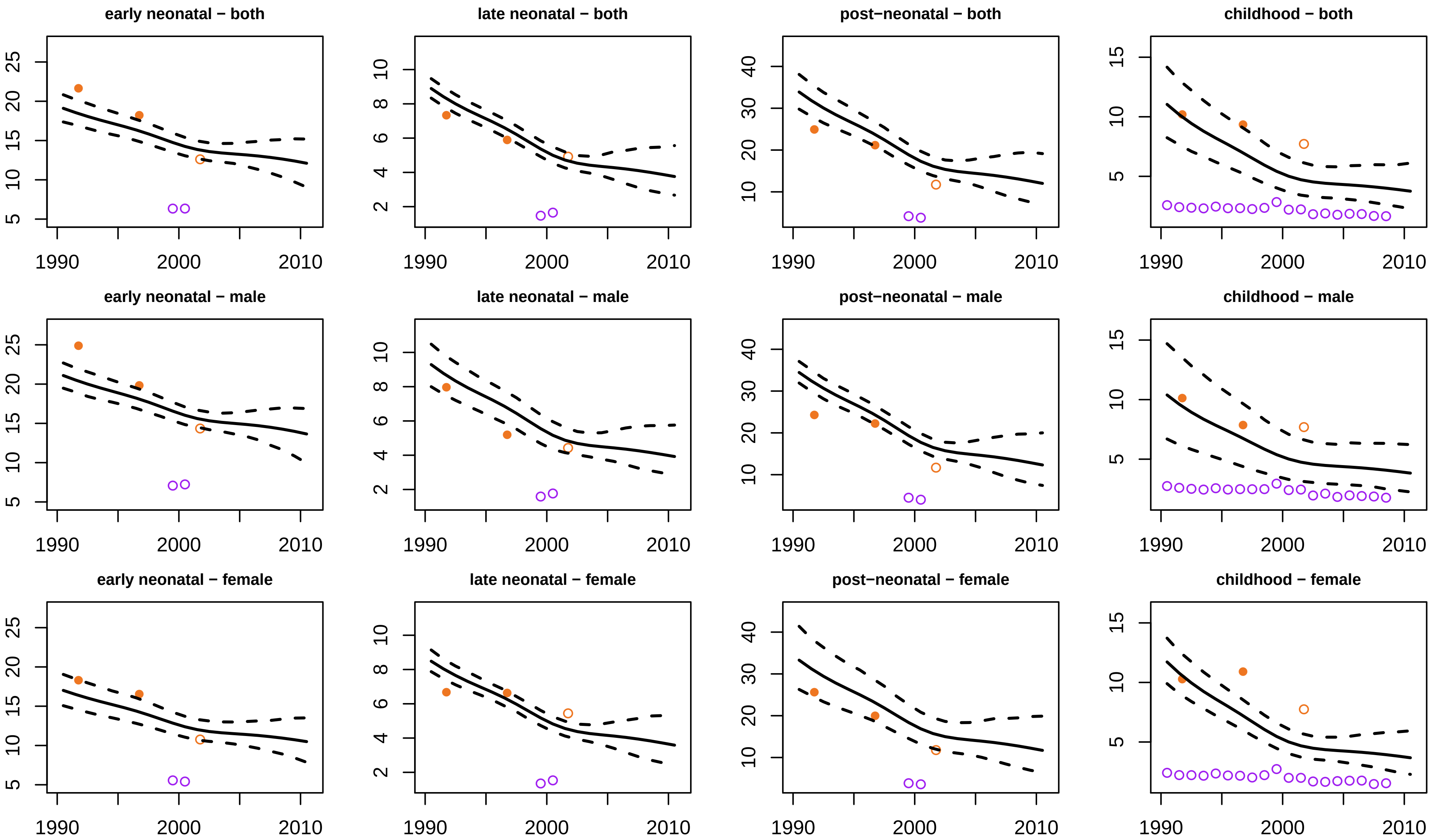
Tunisia – 5q0 estimates
vr
census
dhs
wfs
papfam
papchild
other
indirect
direct
hh
10
20
30
40
50
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female

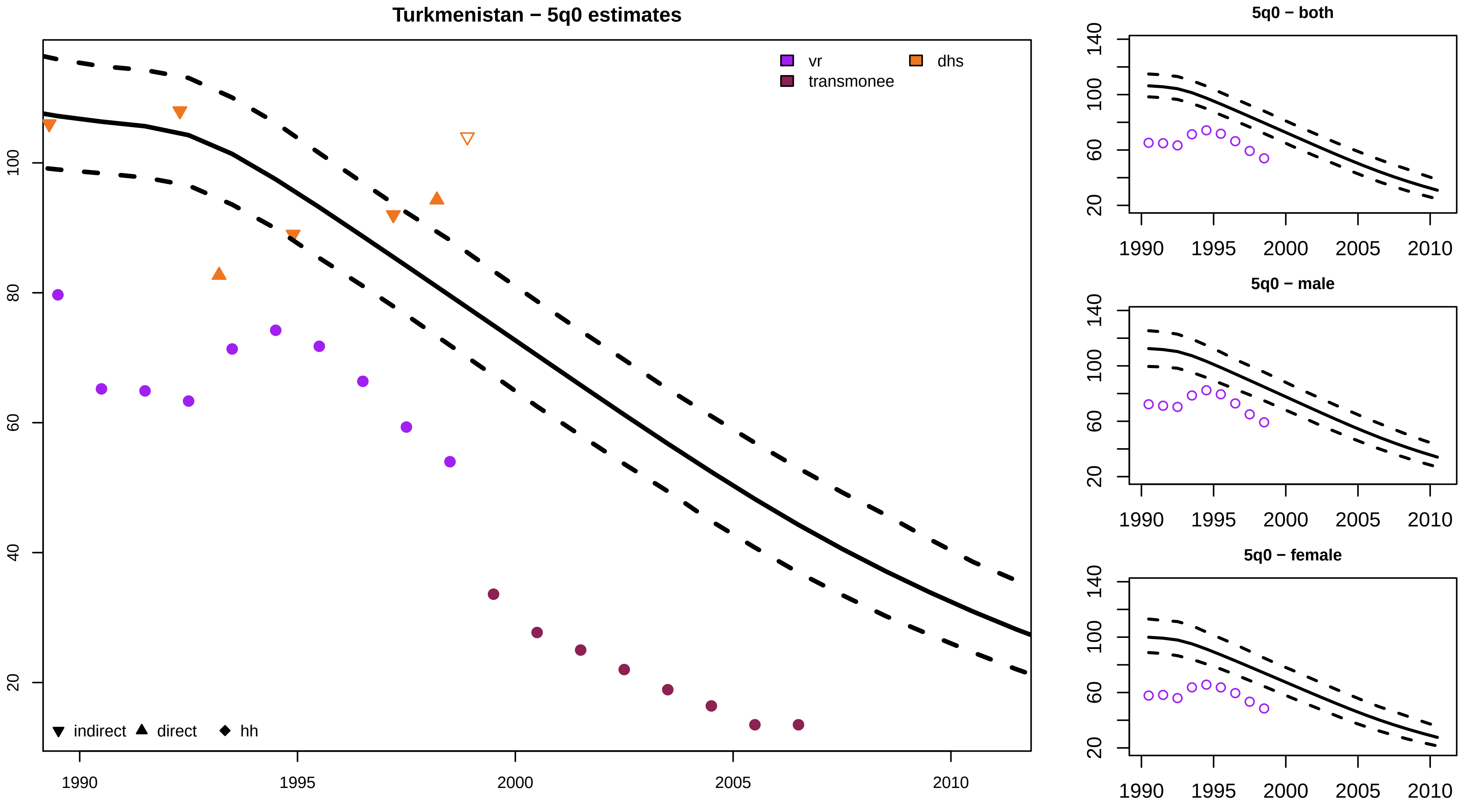


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

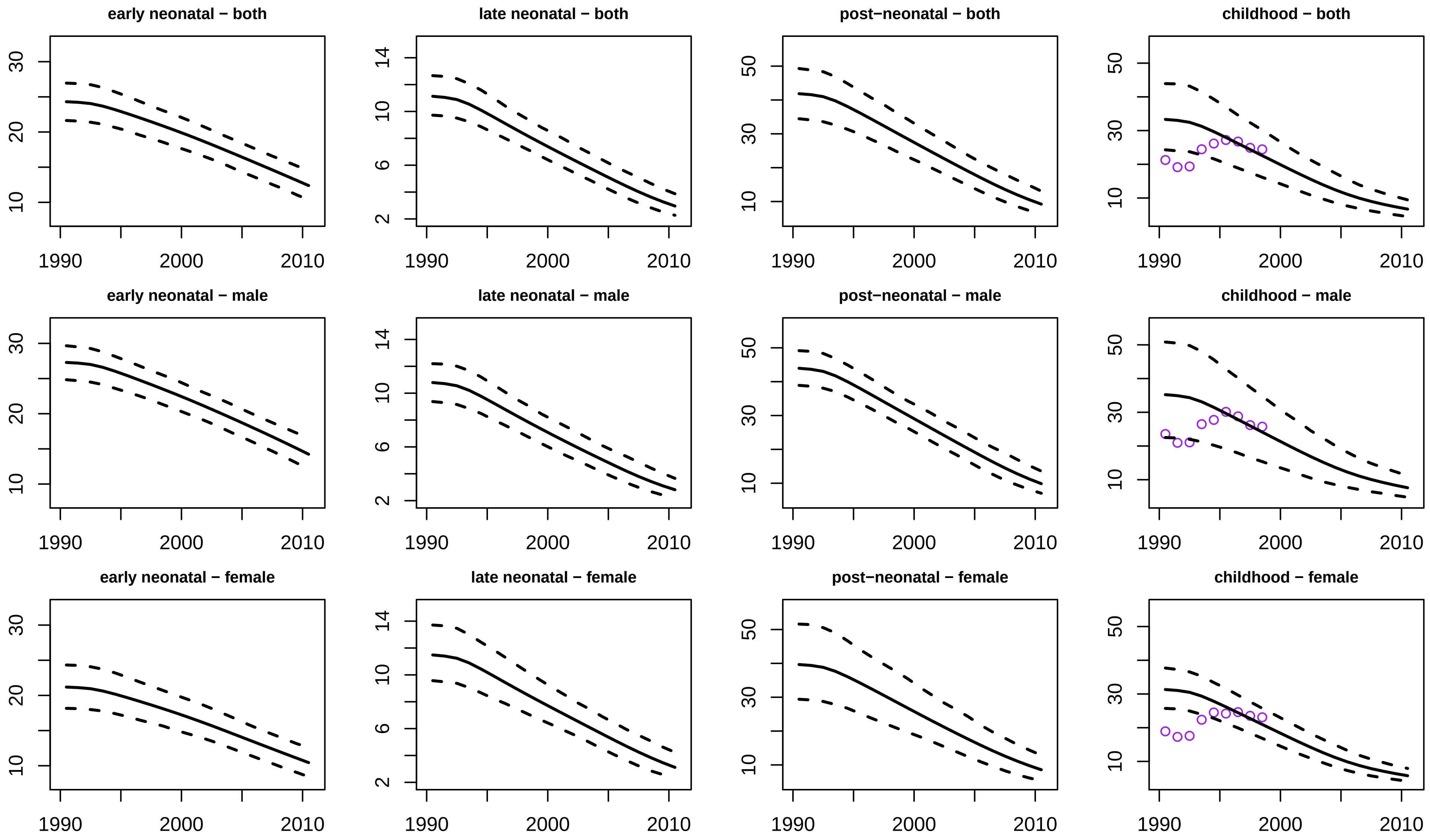


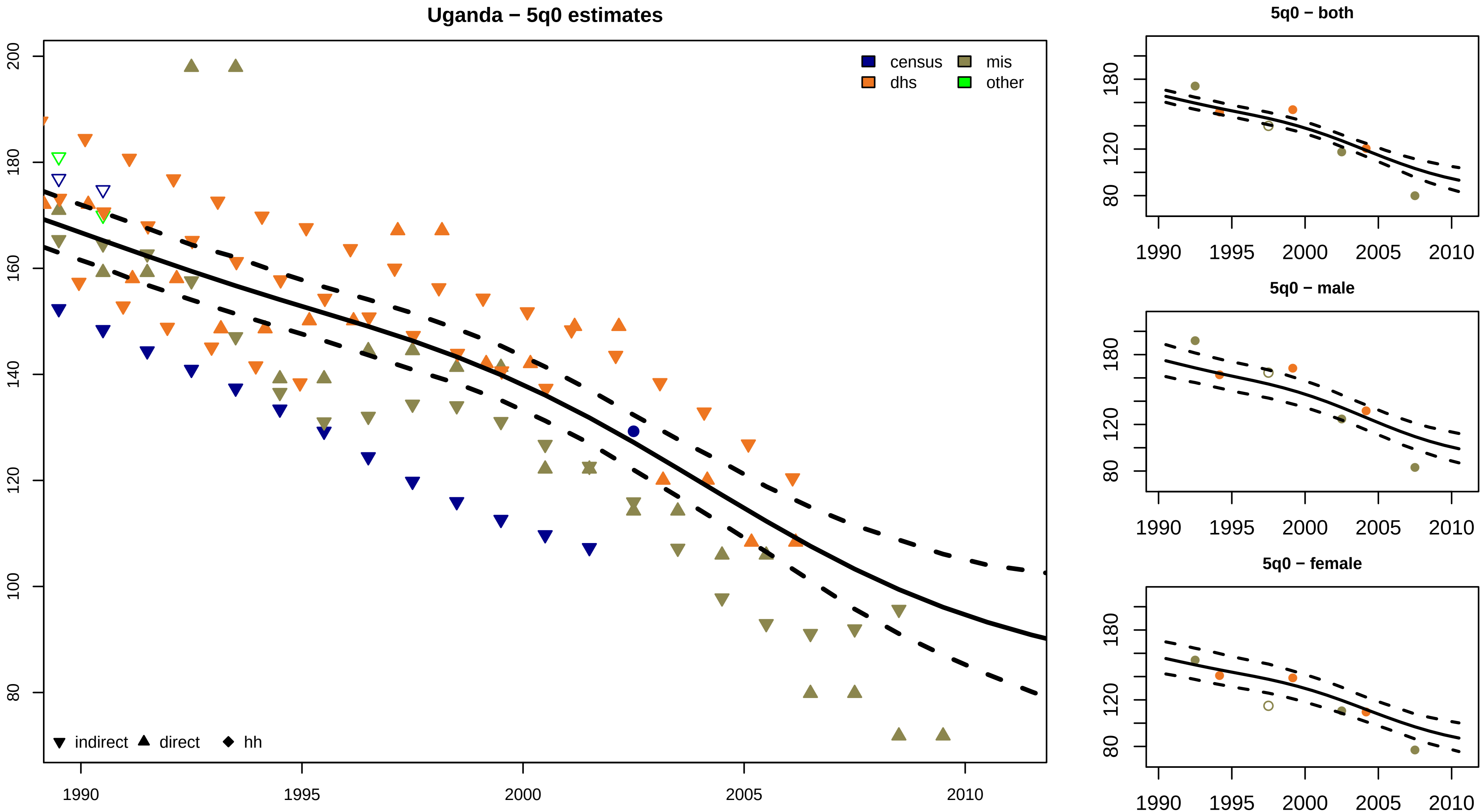
Turkey – 5q0 estimates
vr
census
dhs
wfs
other
indirect
direct
hh
80
70
60
50
40
30
20
10
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

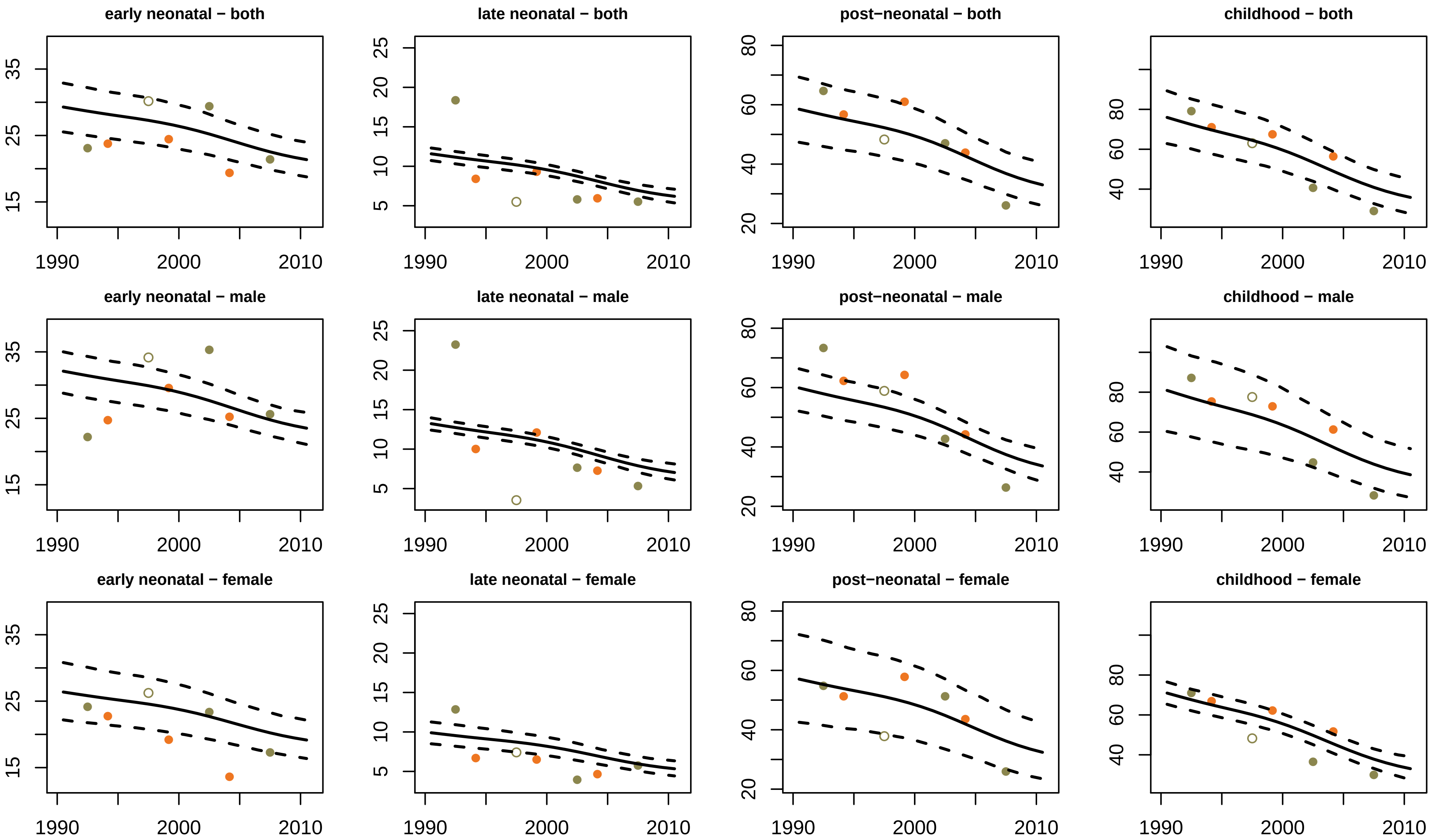


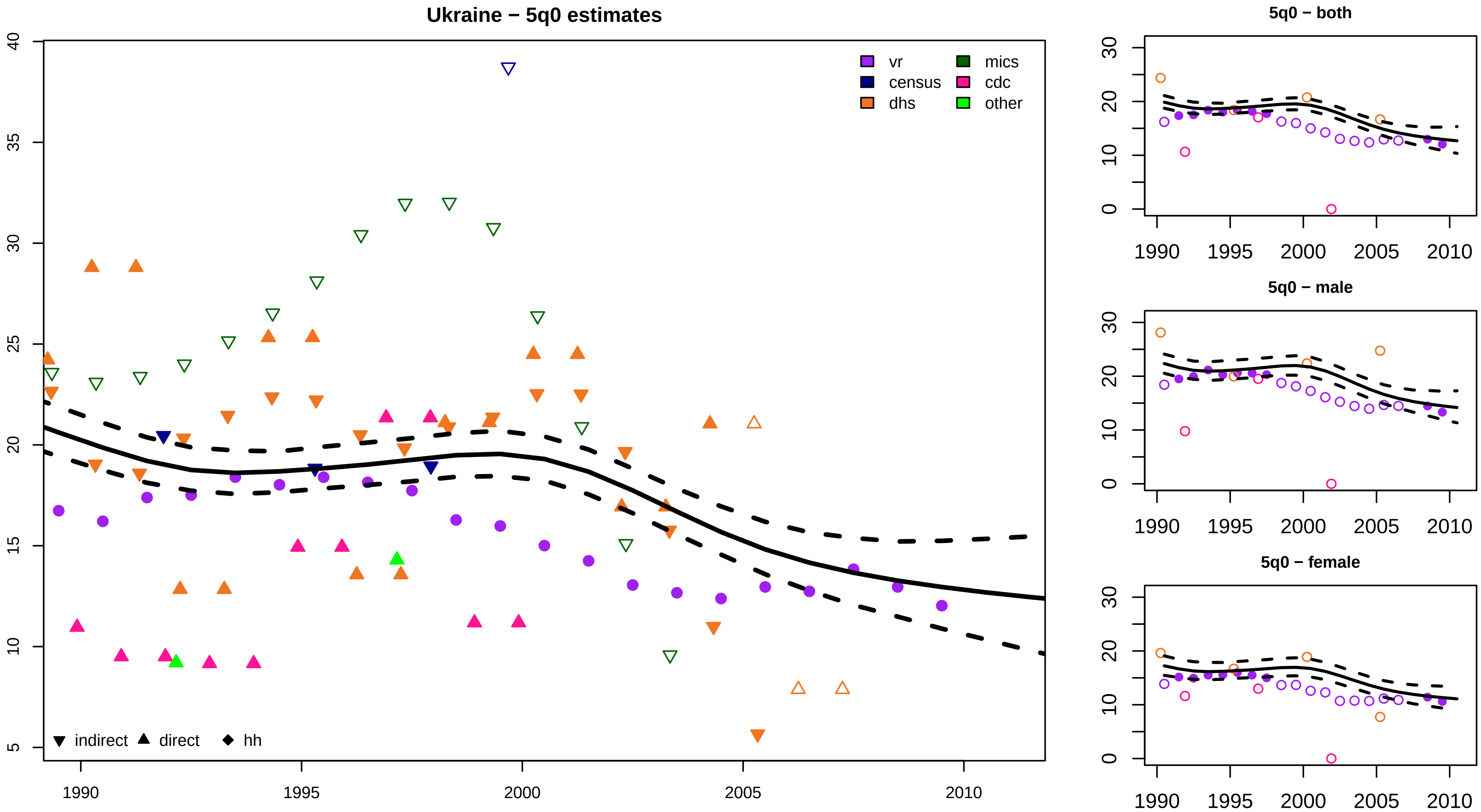
Turkmenistan − 5q0 estimates
vr
dhs
transmonee
indirect
direct
hh
100
80
60
40
20
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
140
100
60
20


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

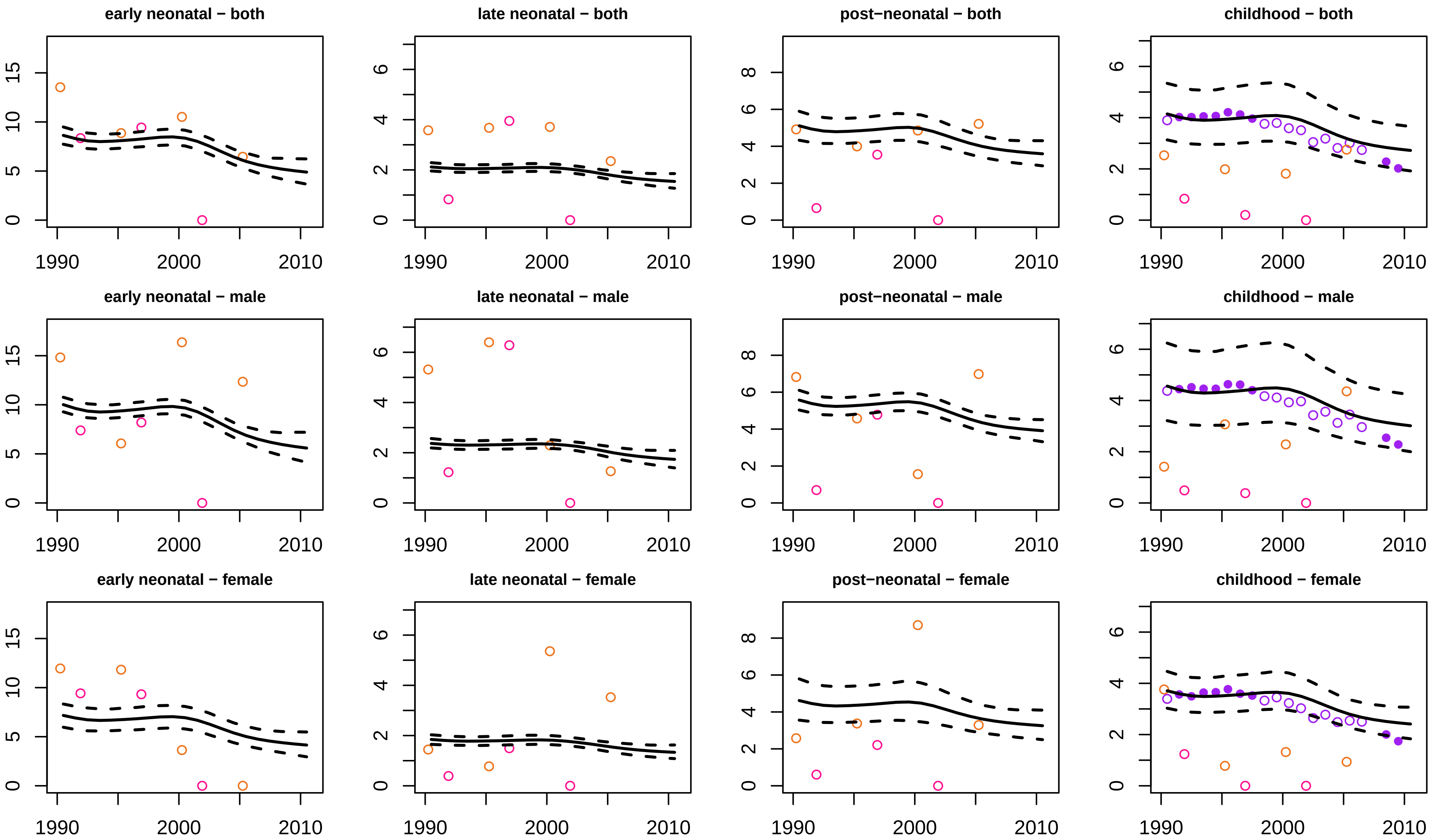


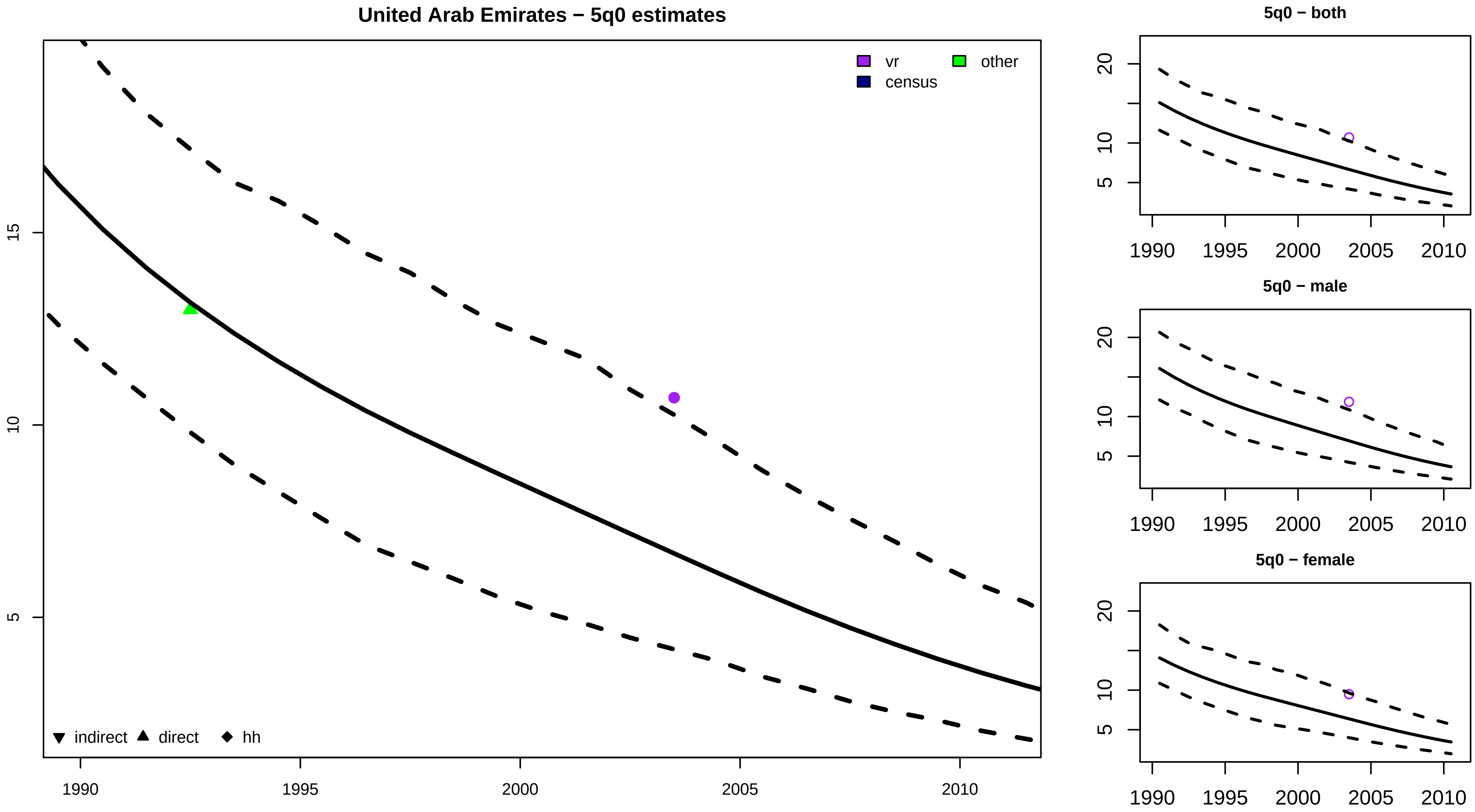
Uganda − 5q0 estimates
census
mis
dhs
other
indirect
direct
hh
5q0 − both
5q0 − male
5q0 − female


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
15
25
35
5
10
15
20
25
20
40
60
80
1990
2000
2010

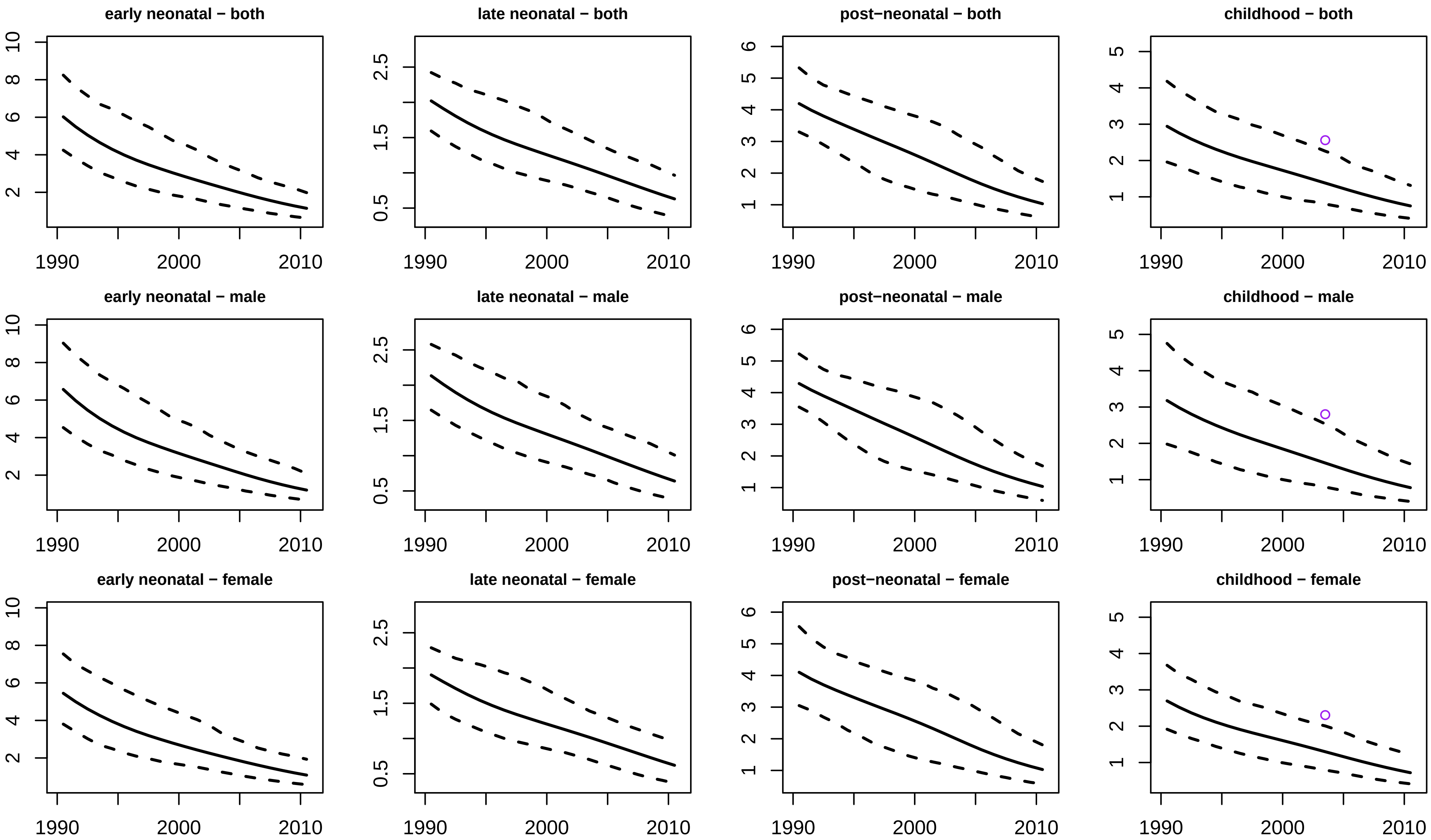


Ukraine – 5q0 estimates
vr
census
dhs
mics
cdc
other
indirect
direct
hh
5q0 – both
5q0 – male
5q0 – female

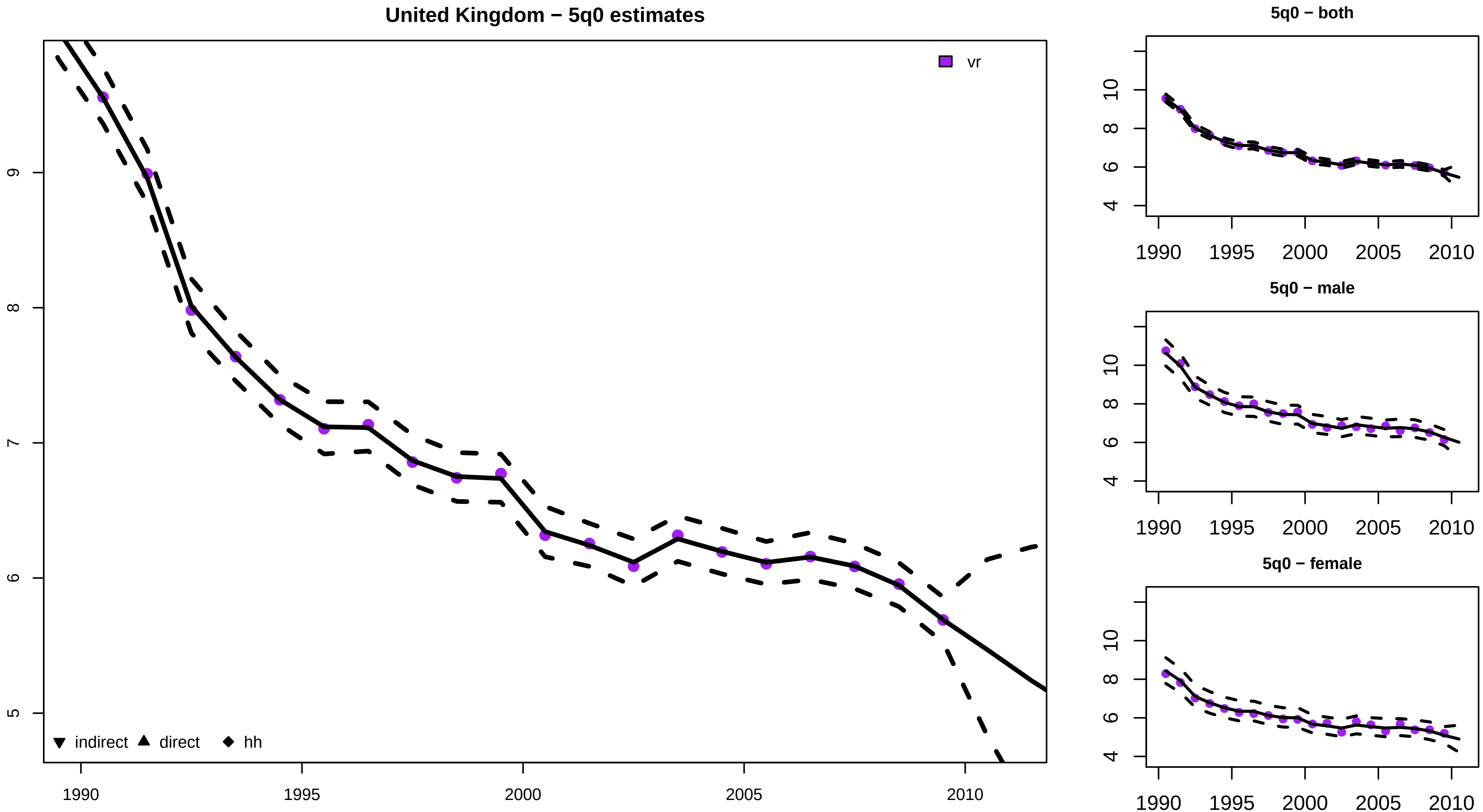

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

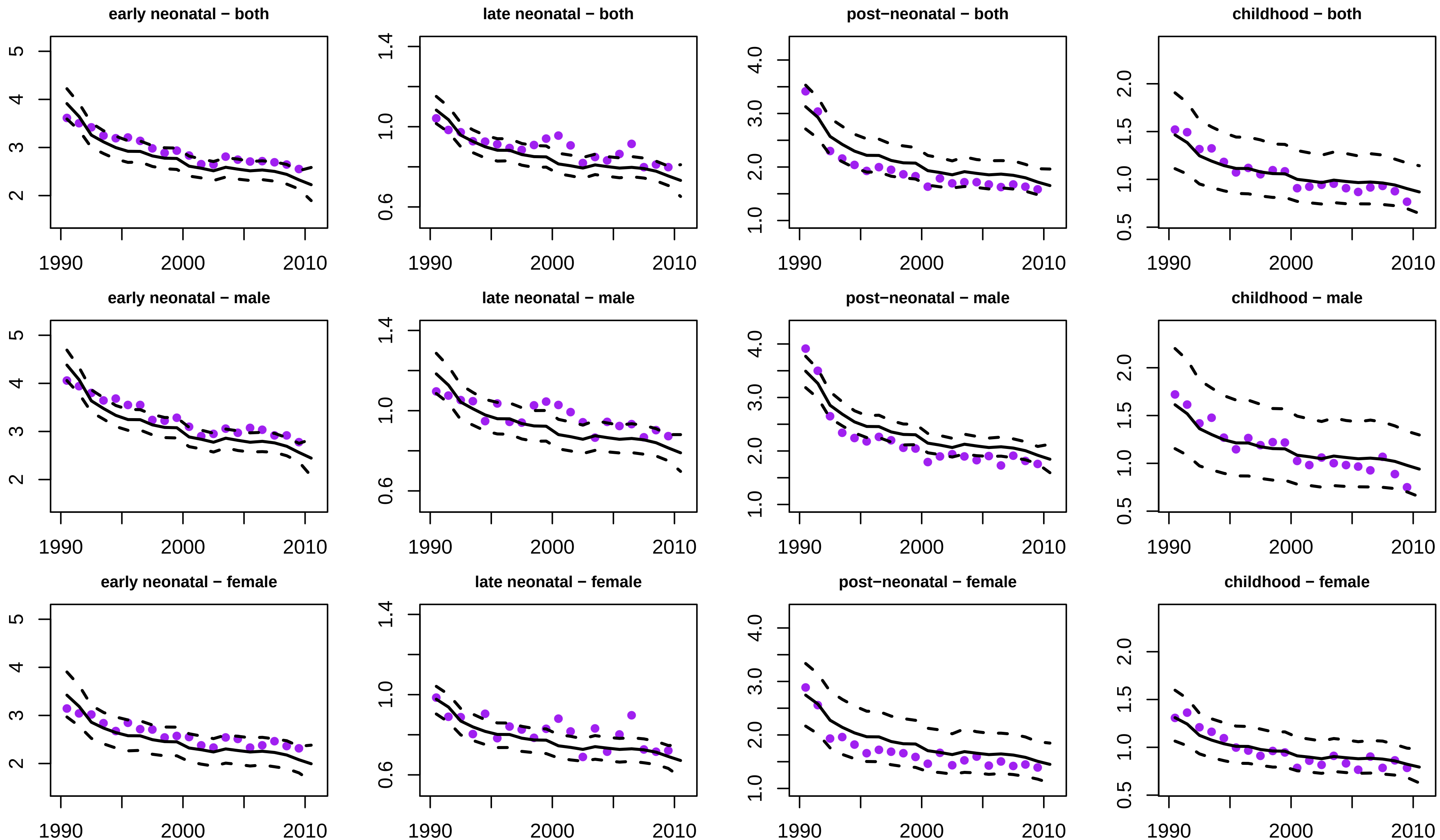


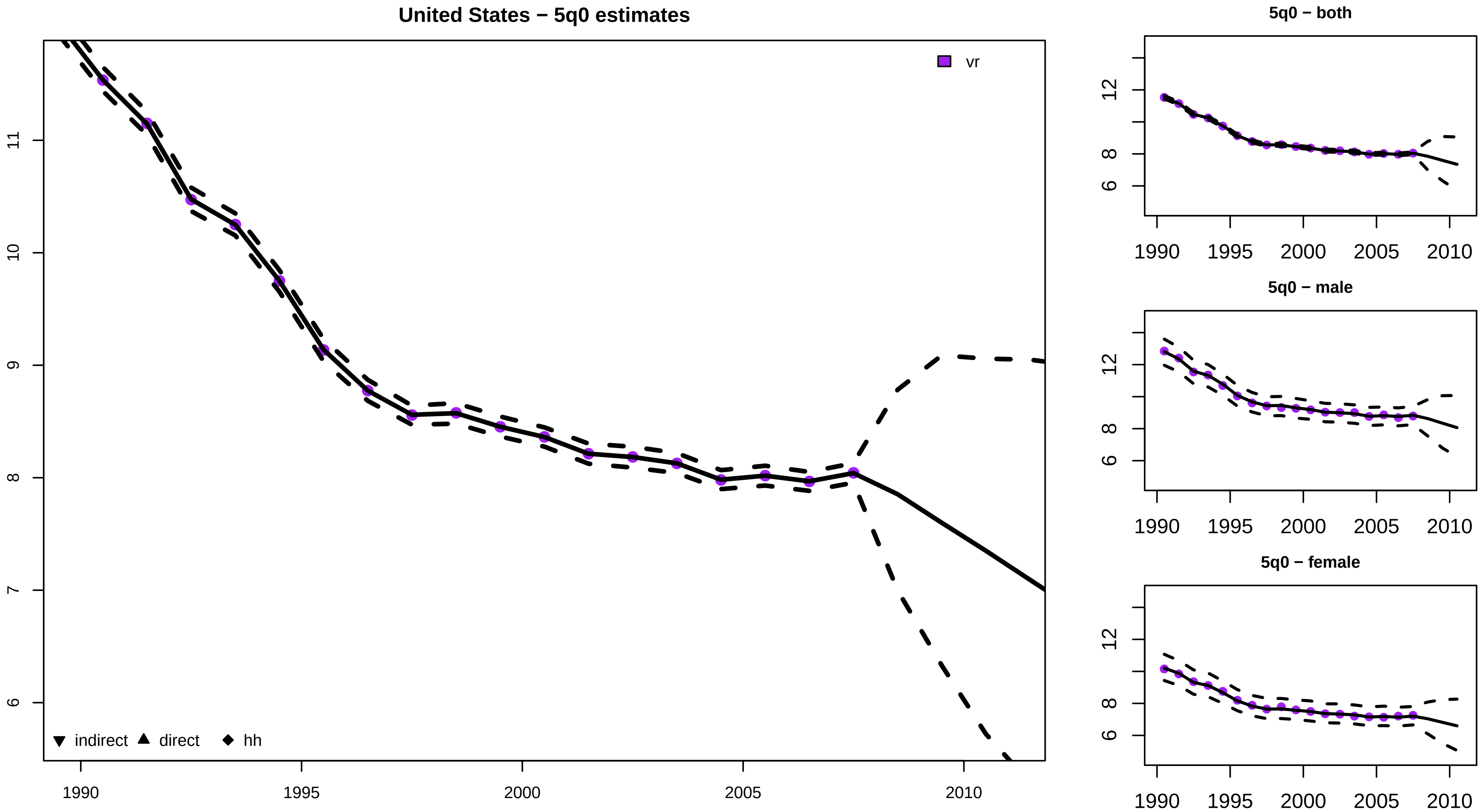
United Arab Emirates – 5q0 estimates
vr
other
census
indirect
direct
hh
15
10
5
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
20
10
5



early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


United Kingdom − 5q0 estimates
vr
indirect
direct
hh
5
6
7
8
9
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
4
6
8
10


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



United States − 5q0 estimates
vr
indirect
direct
hh
6
7
8
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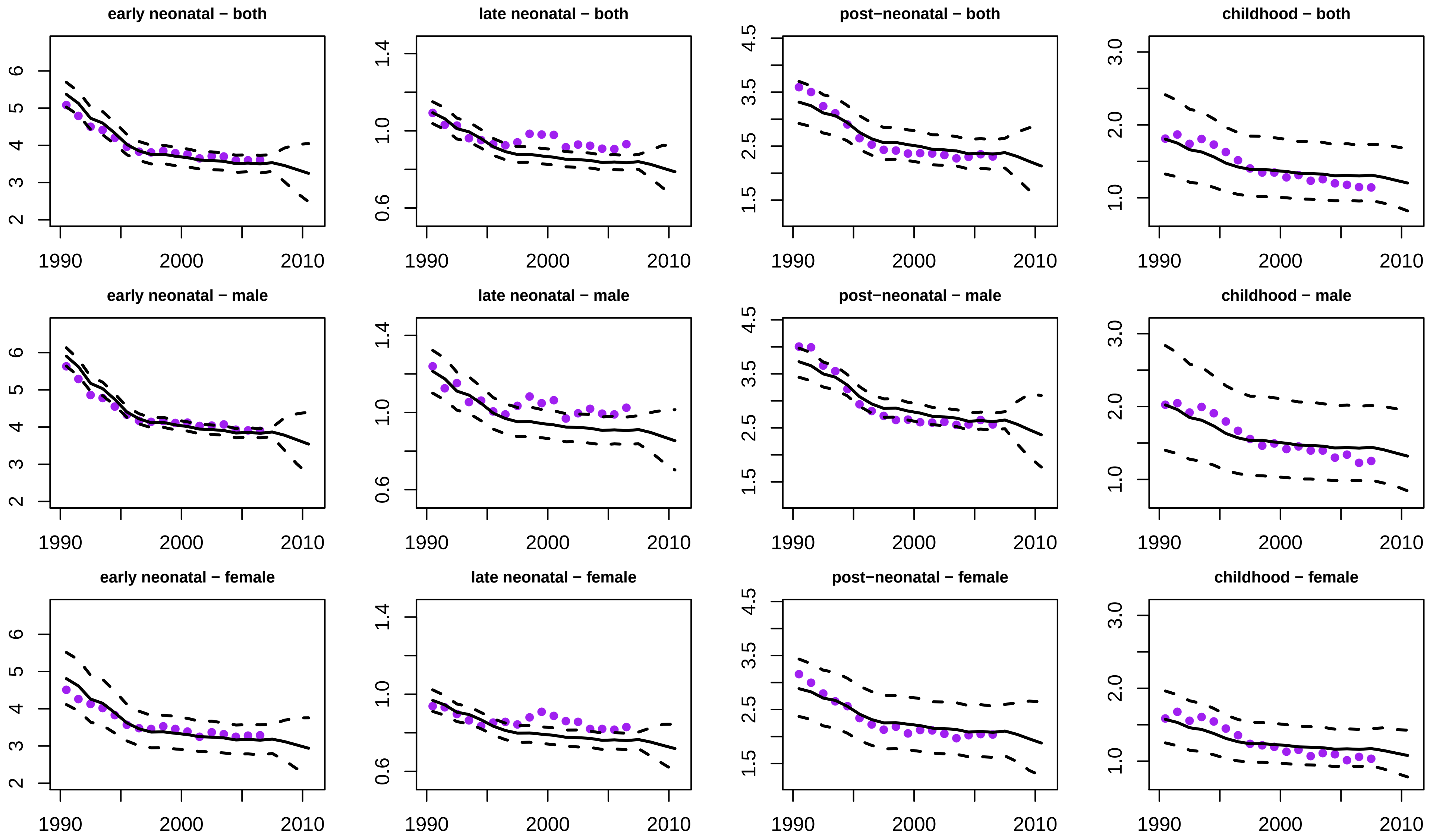
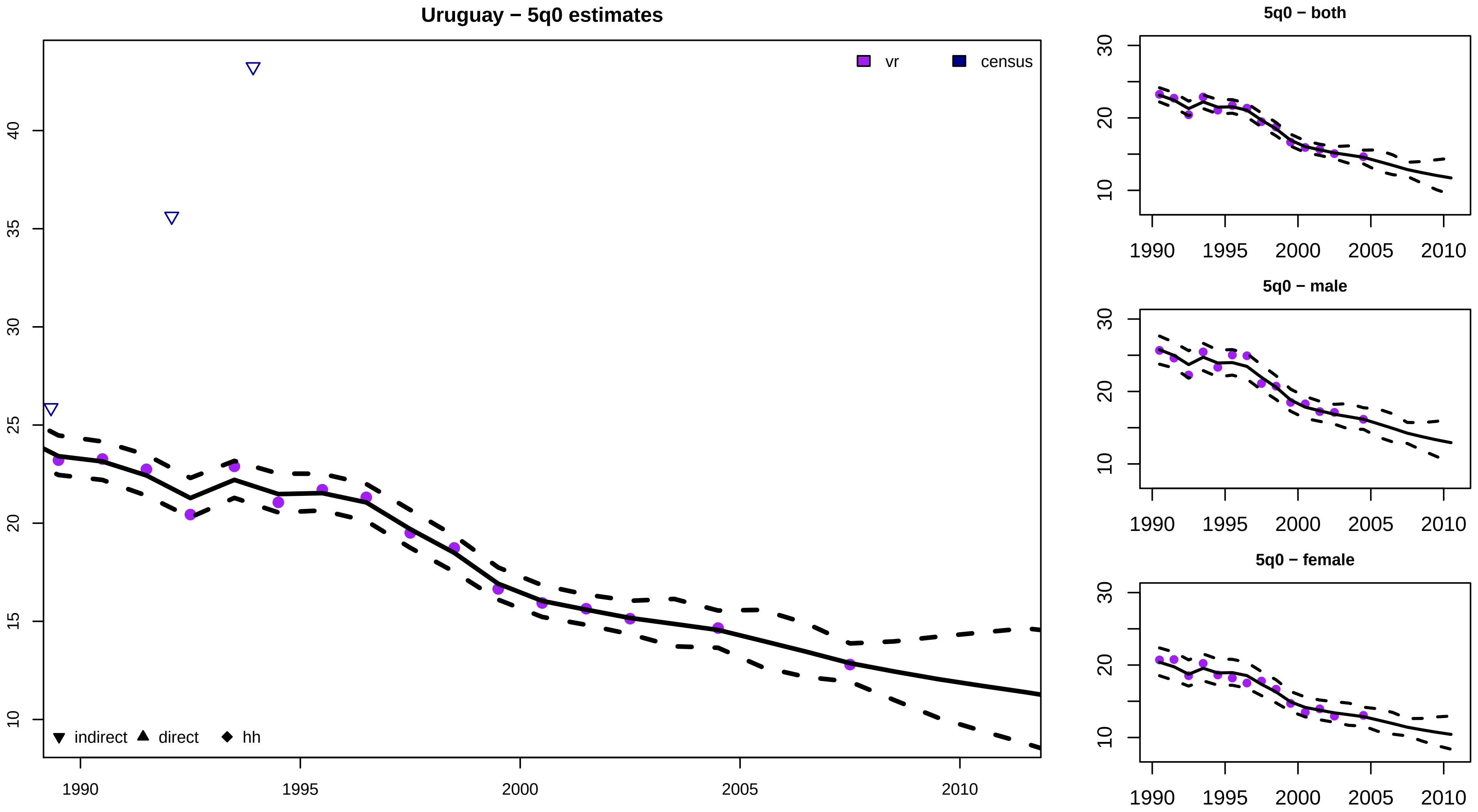
10
11
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
6
8
12


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


Uruguay − 5q0 estimates
vr
census
indirect
direct
hh
10
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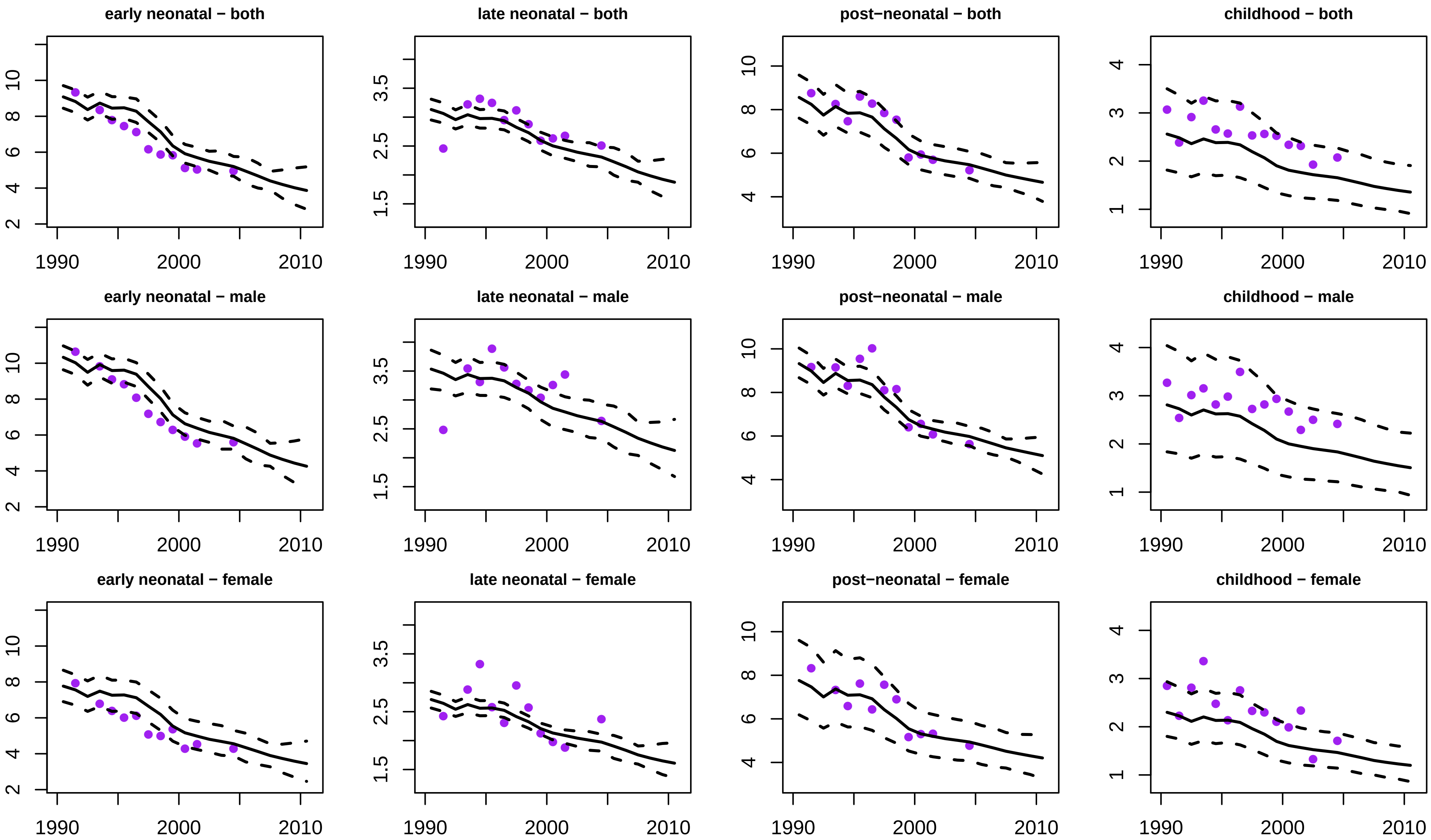
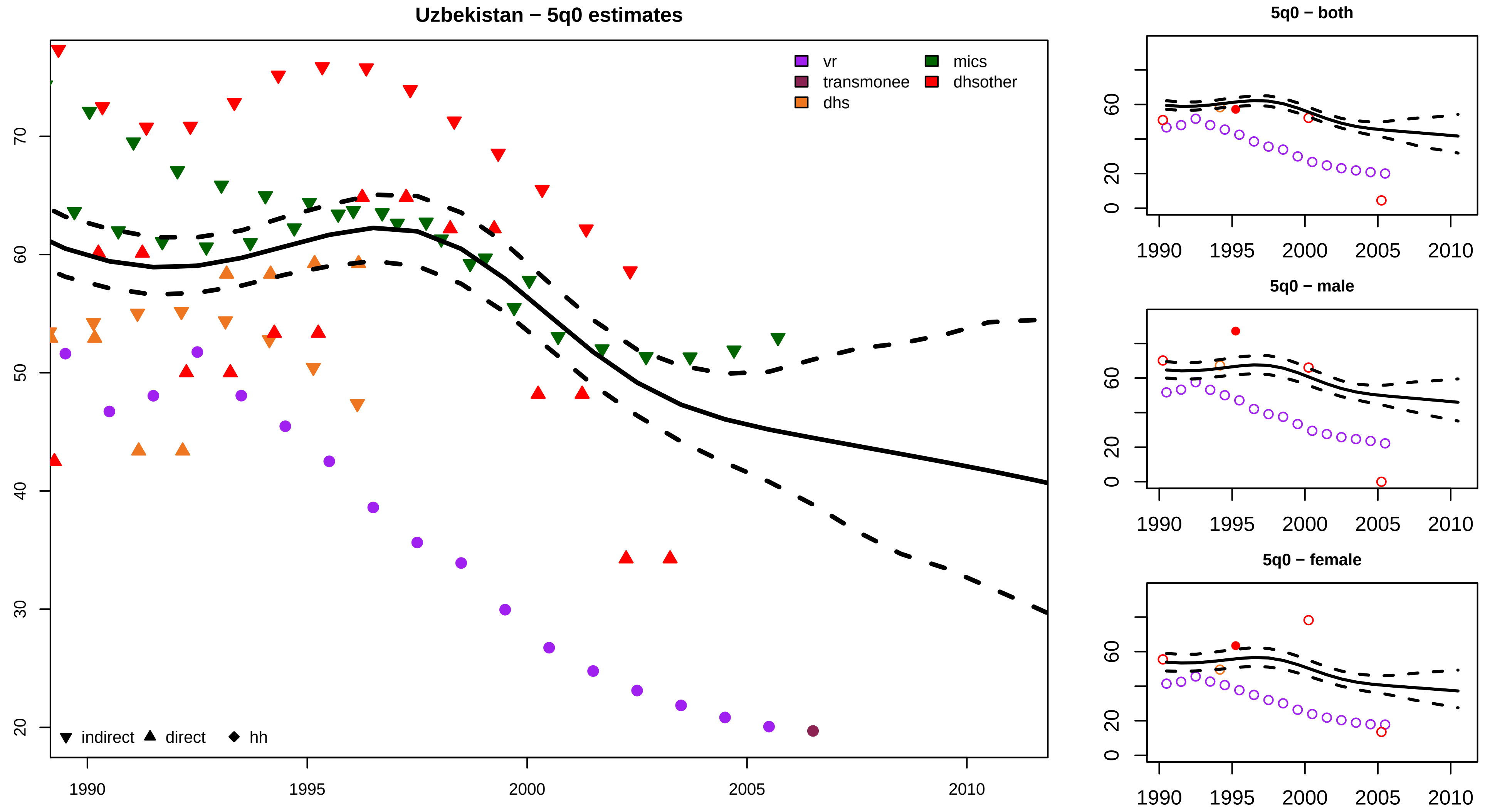
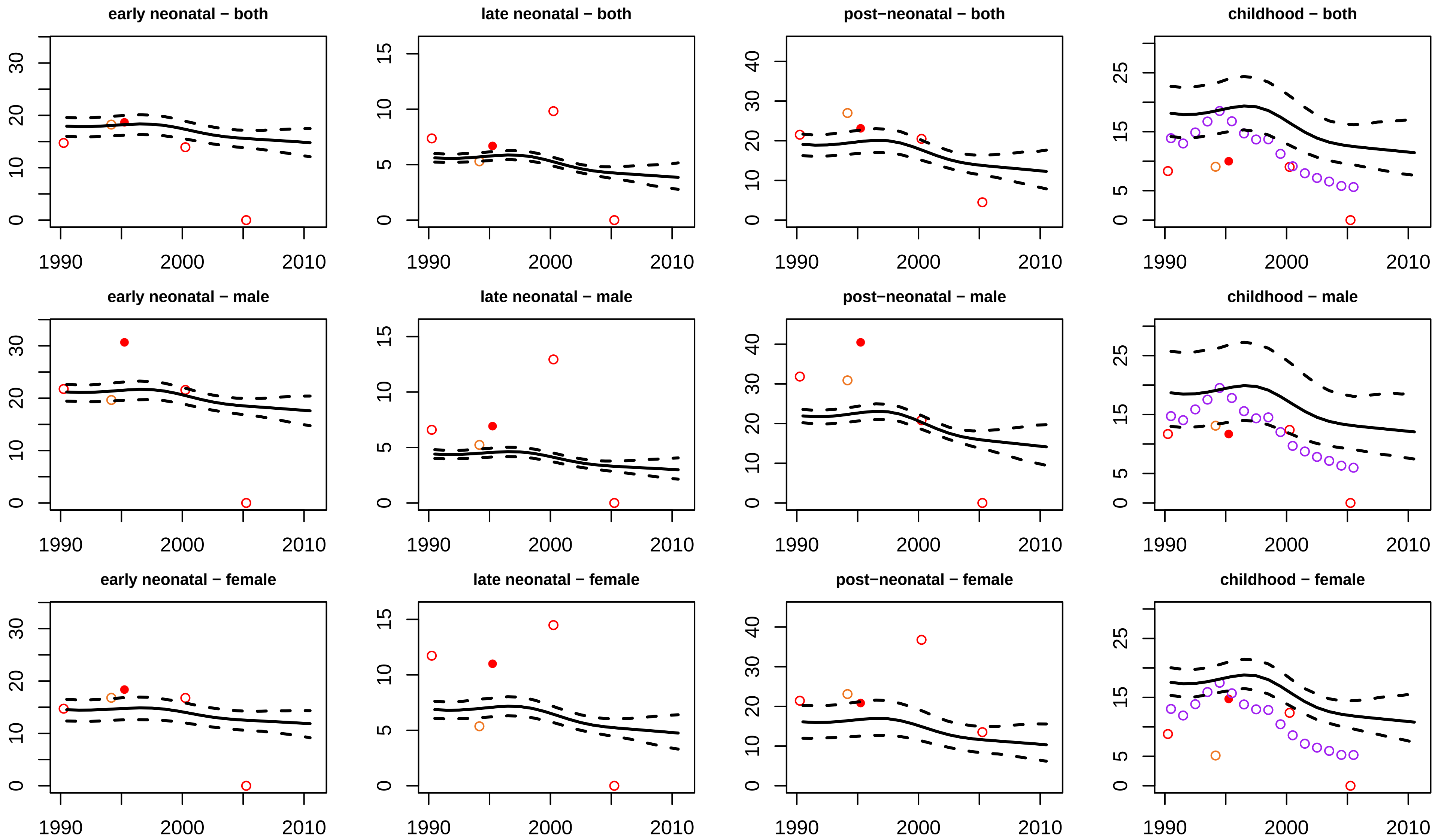
20
25
30
35
40
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female

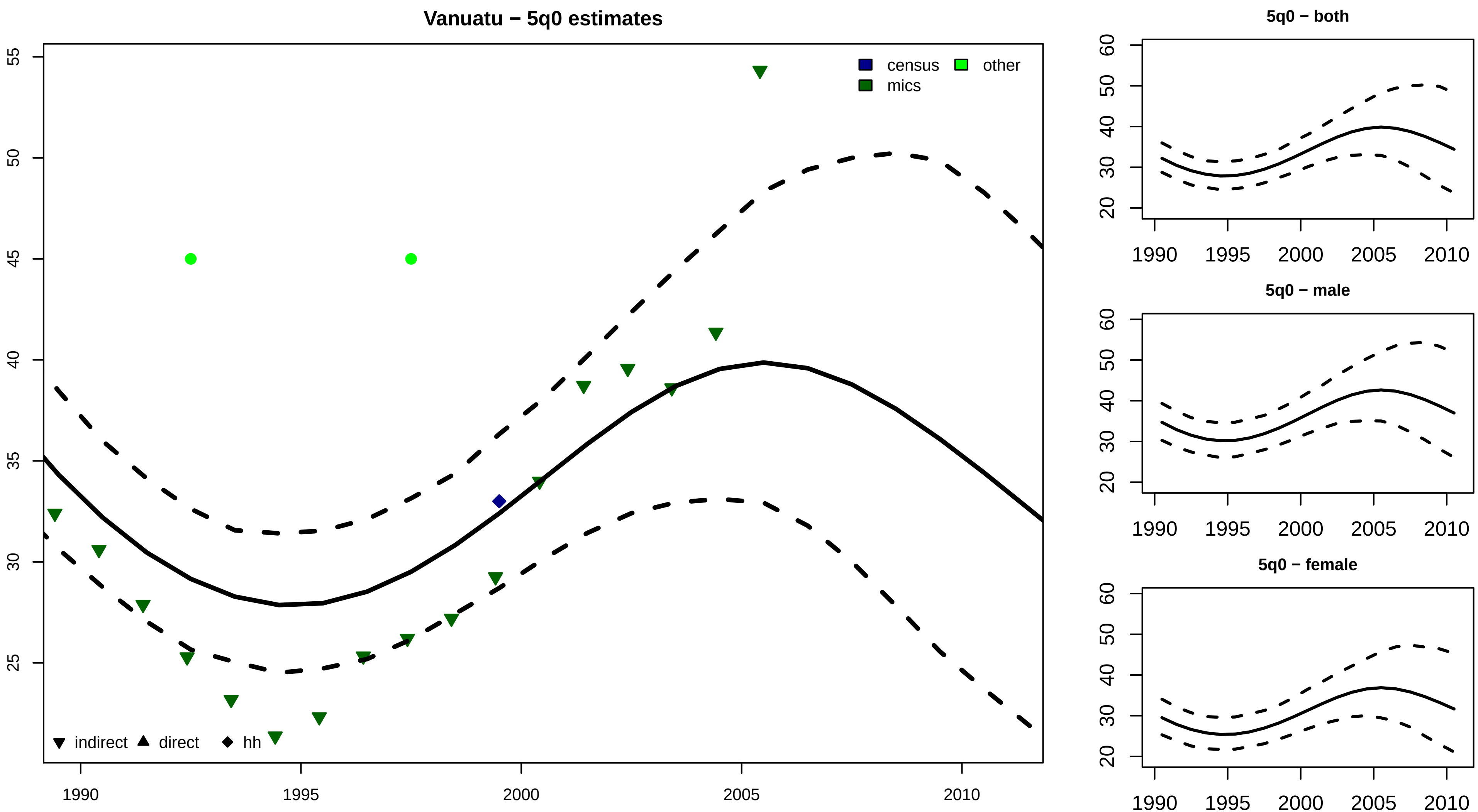

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



Uzbekistan − 5q0 estimates
vr
transmonee
dhs
mics
dhsother
indirect
direct
hh
20
30
40
50
60
70
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
0
20
60



early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010


Vanuatu − 5q0 estimates
census
other
mics
indirect
direct
hh
55
50
45
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35
30
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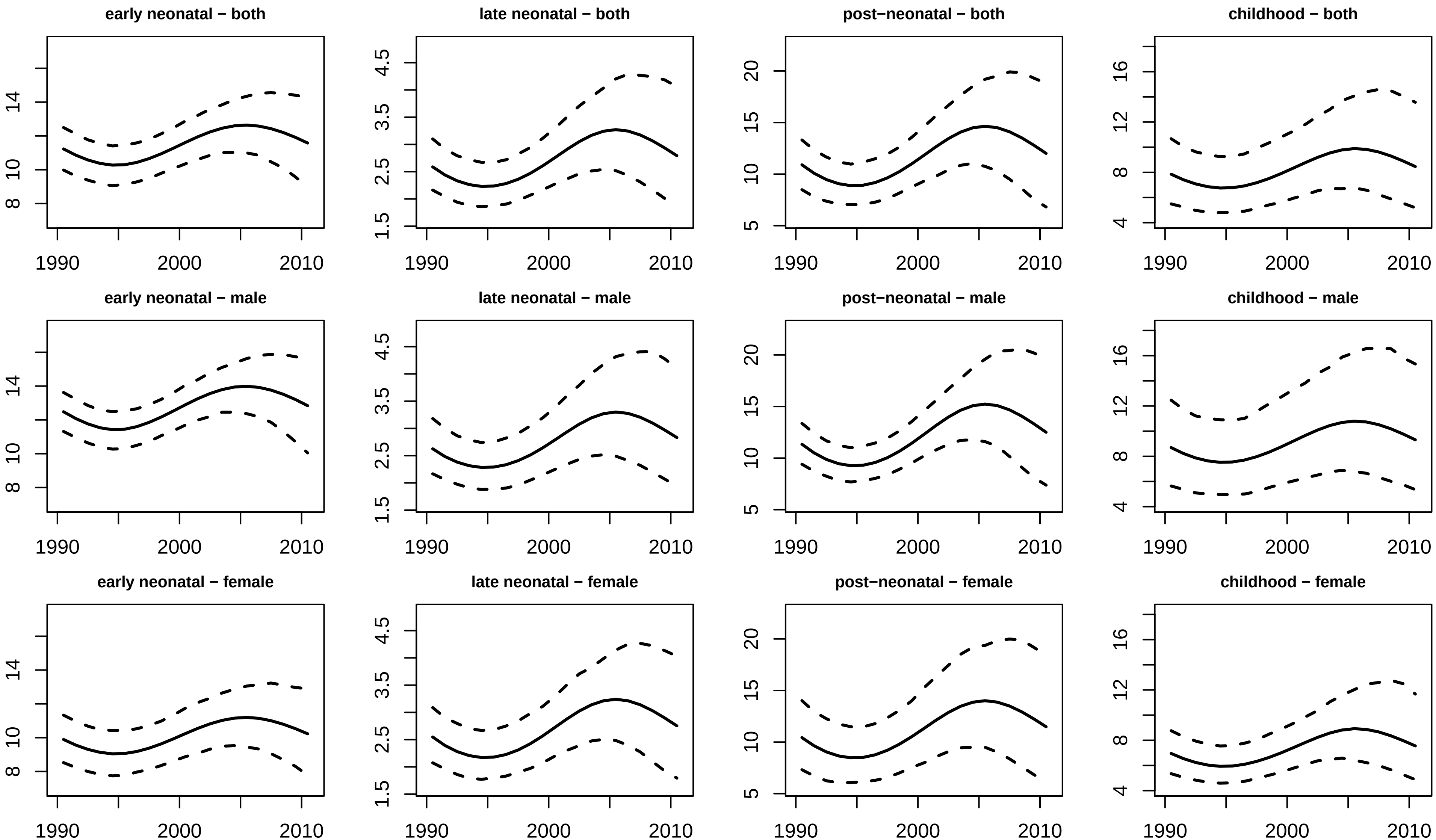
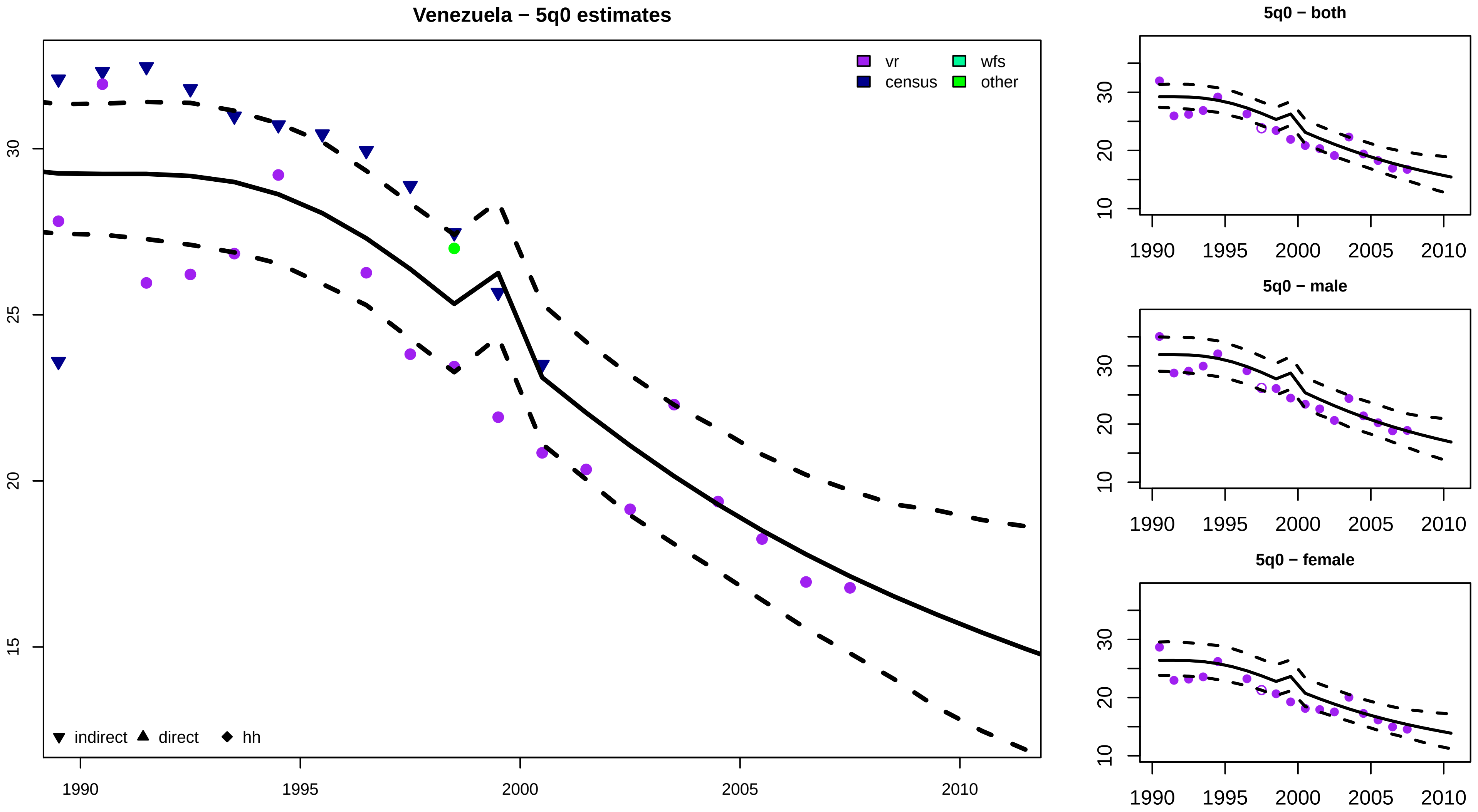
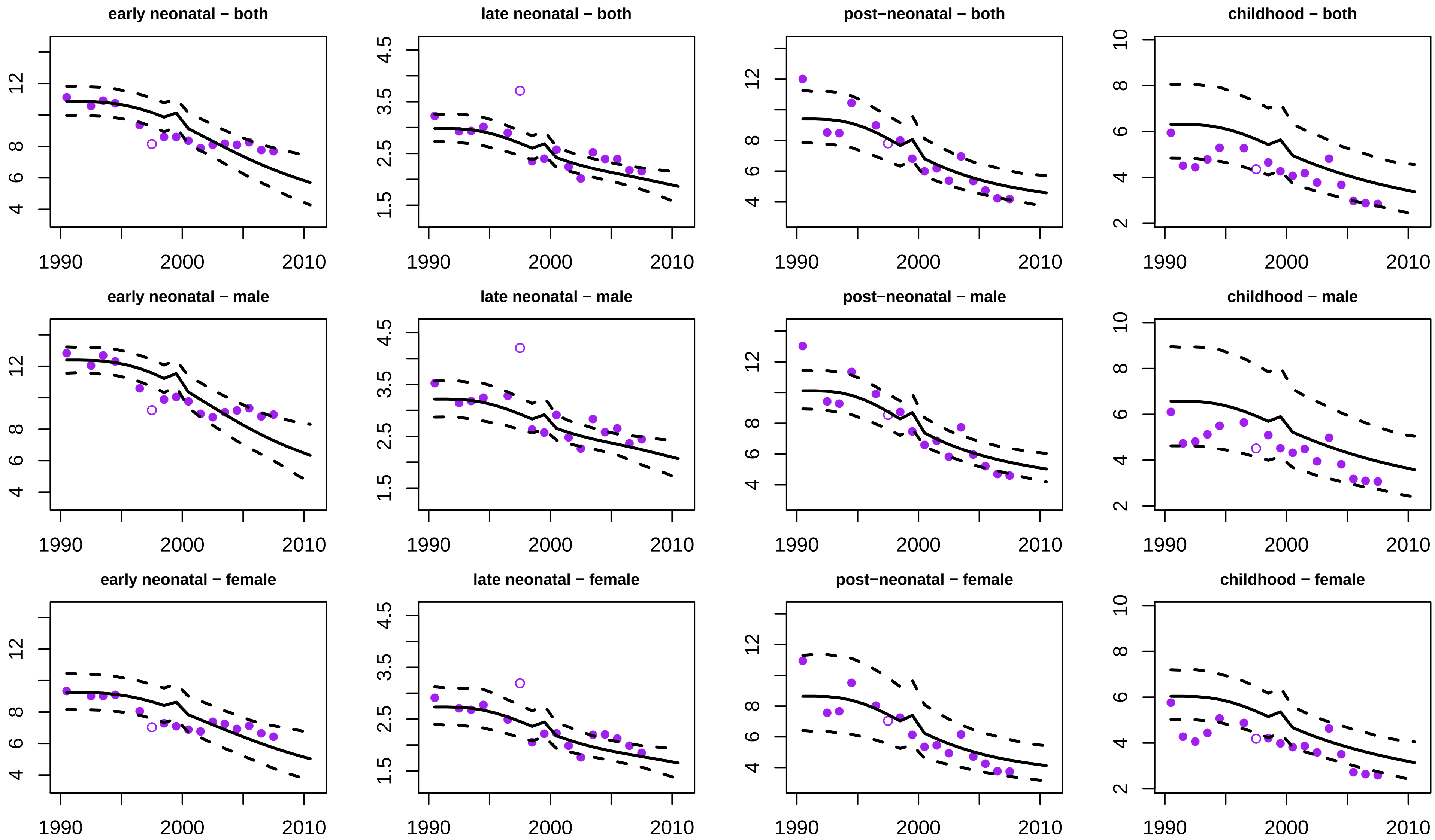
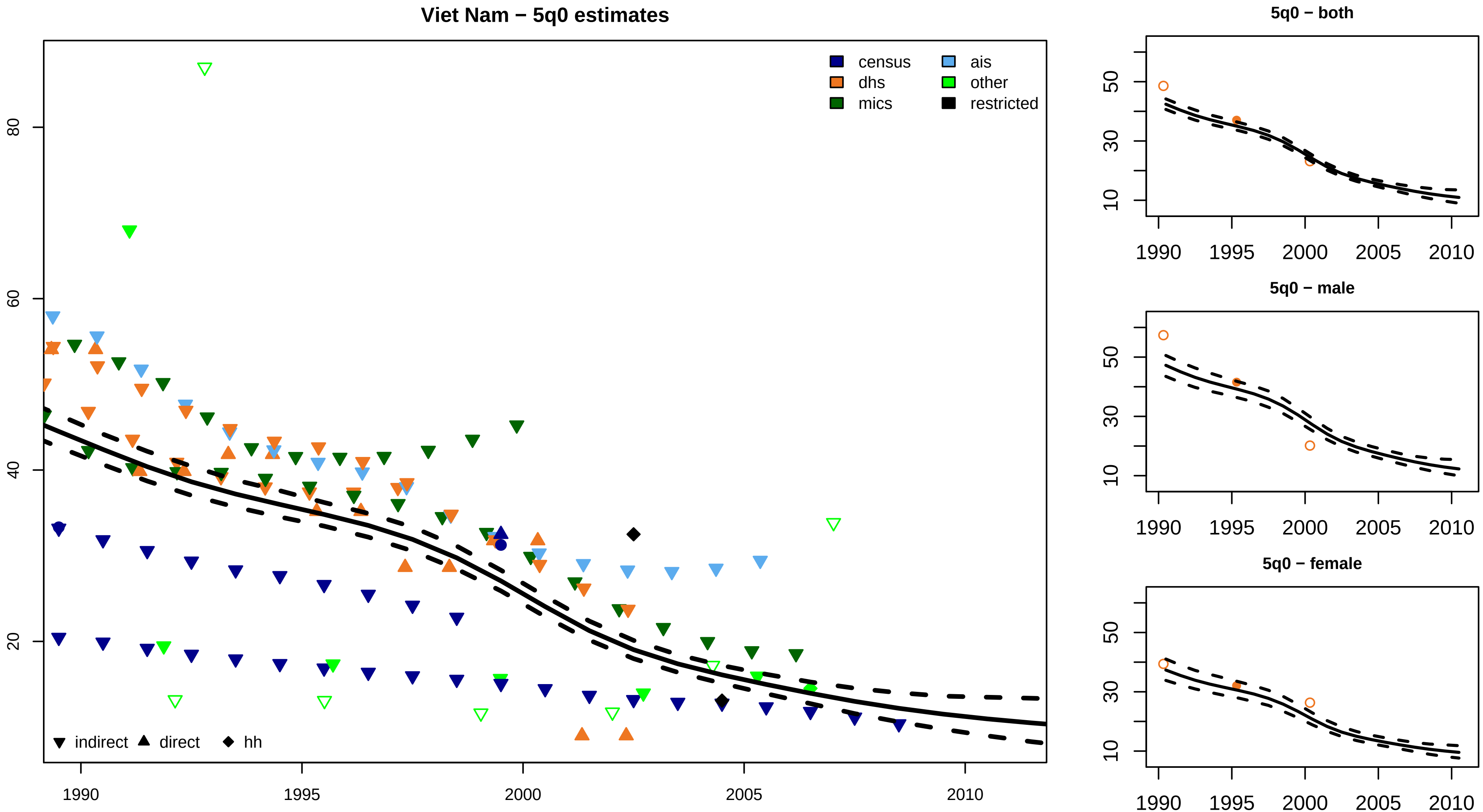
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
60
50
40
30
20


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
8
10
14
1.5
2.5
3.5
4.5
5
10
15
20
4
8
12
16
1990
2000
2010

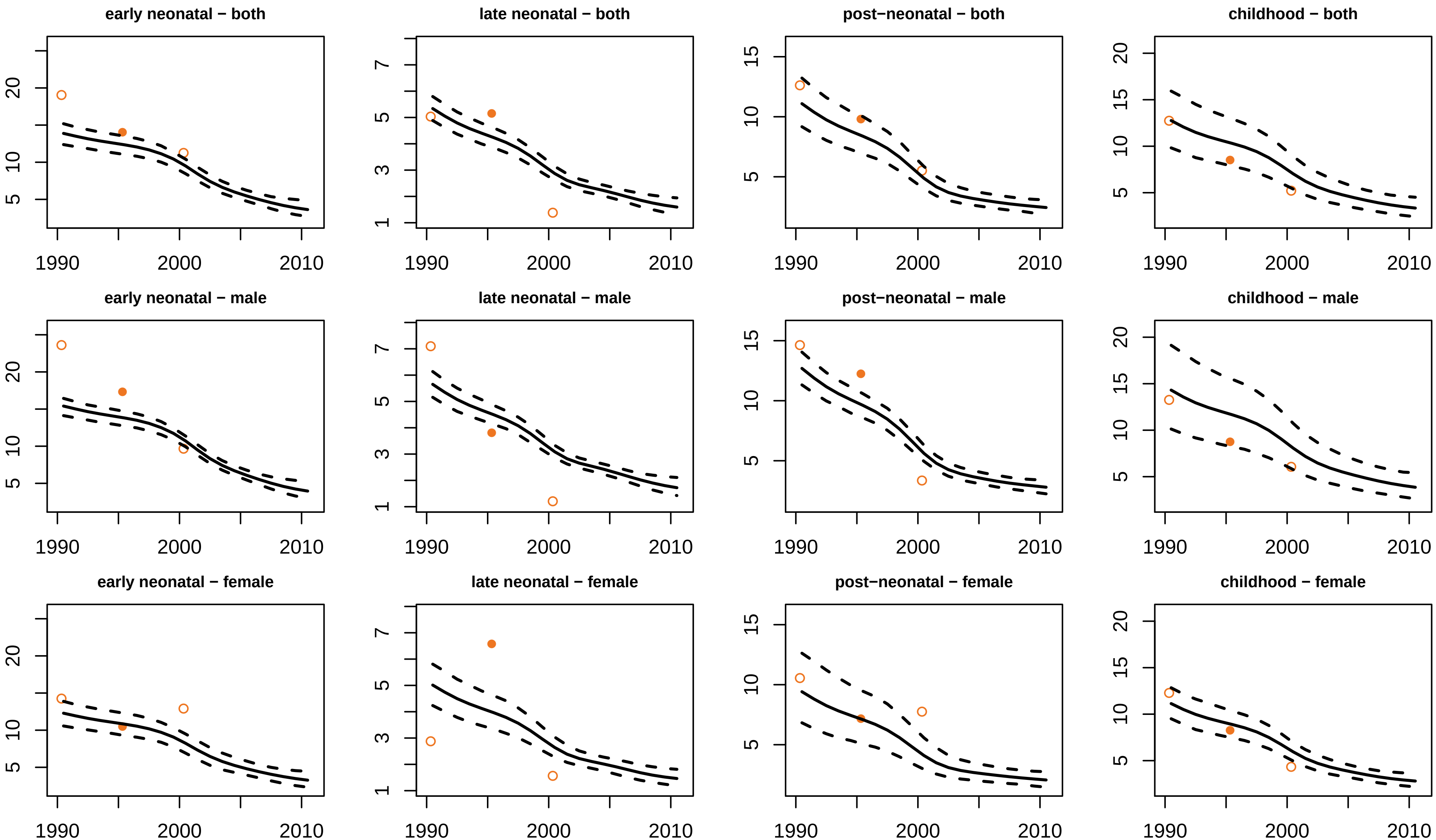


Venezuela – 5q0 estimates
vr
census
wfs
other
indirect
direct
hh
30
25
20
15
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
10
20
30

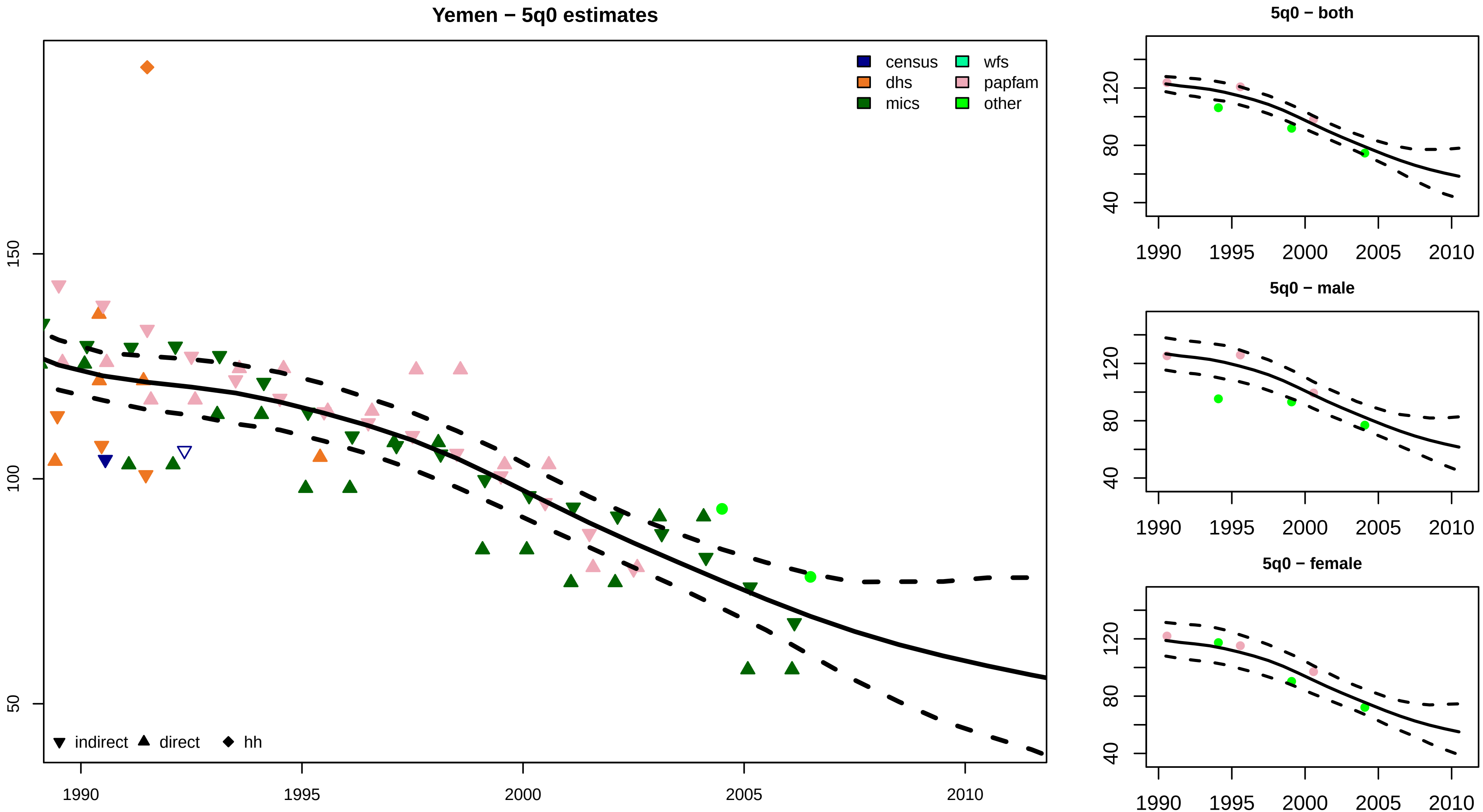

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



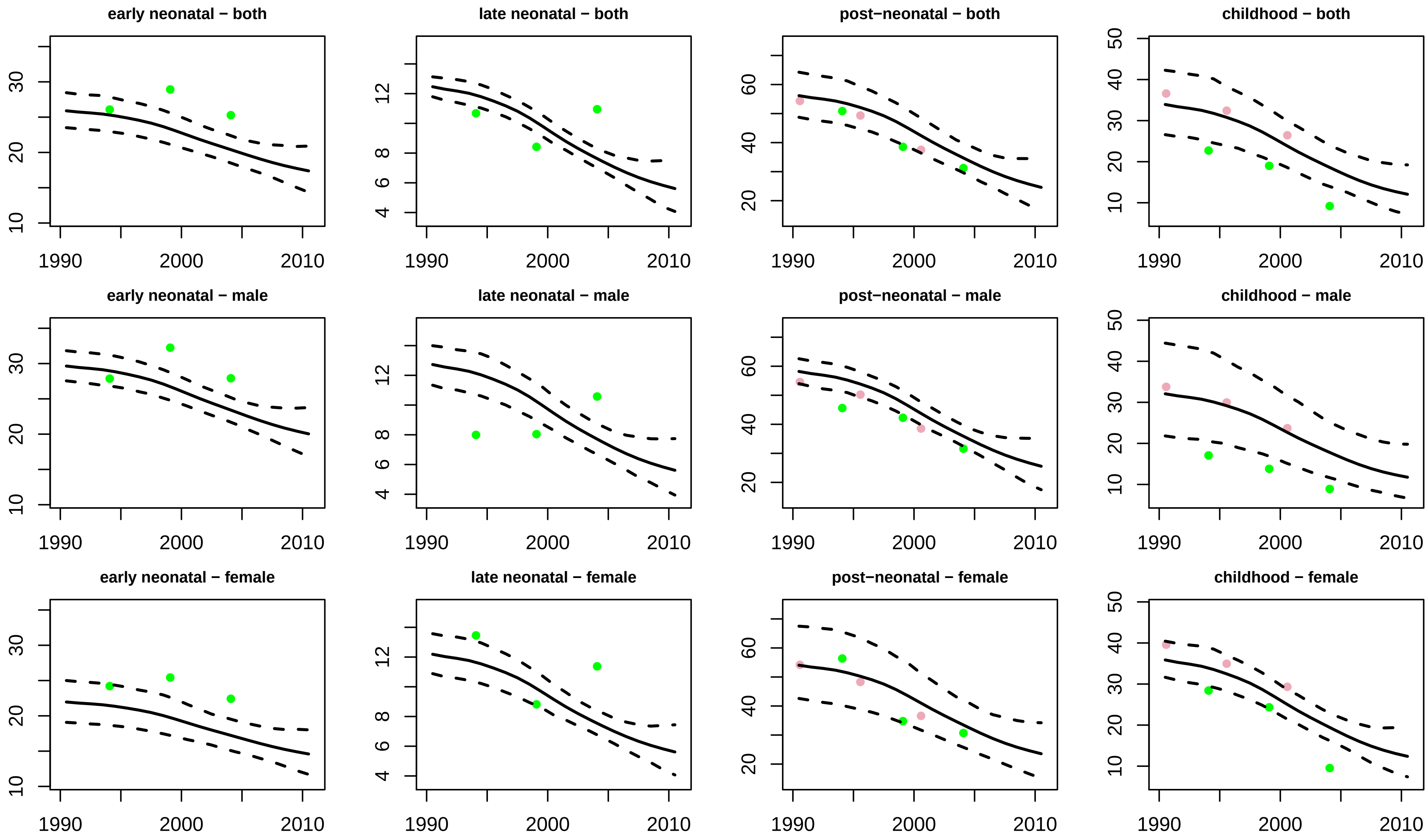
Viet Nam − 5q0 estimates
census
dhs
mics
ais
other
restricted
indirect
direct
hh
20
40
60
80
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
10
30
50

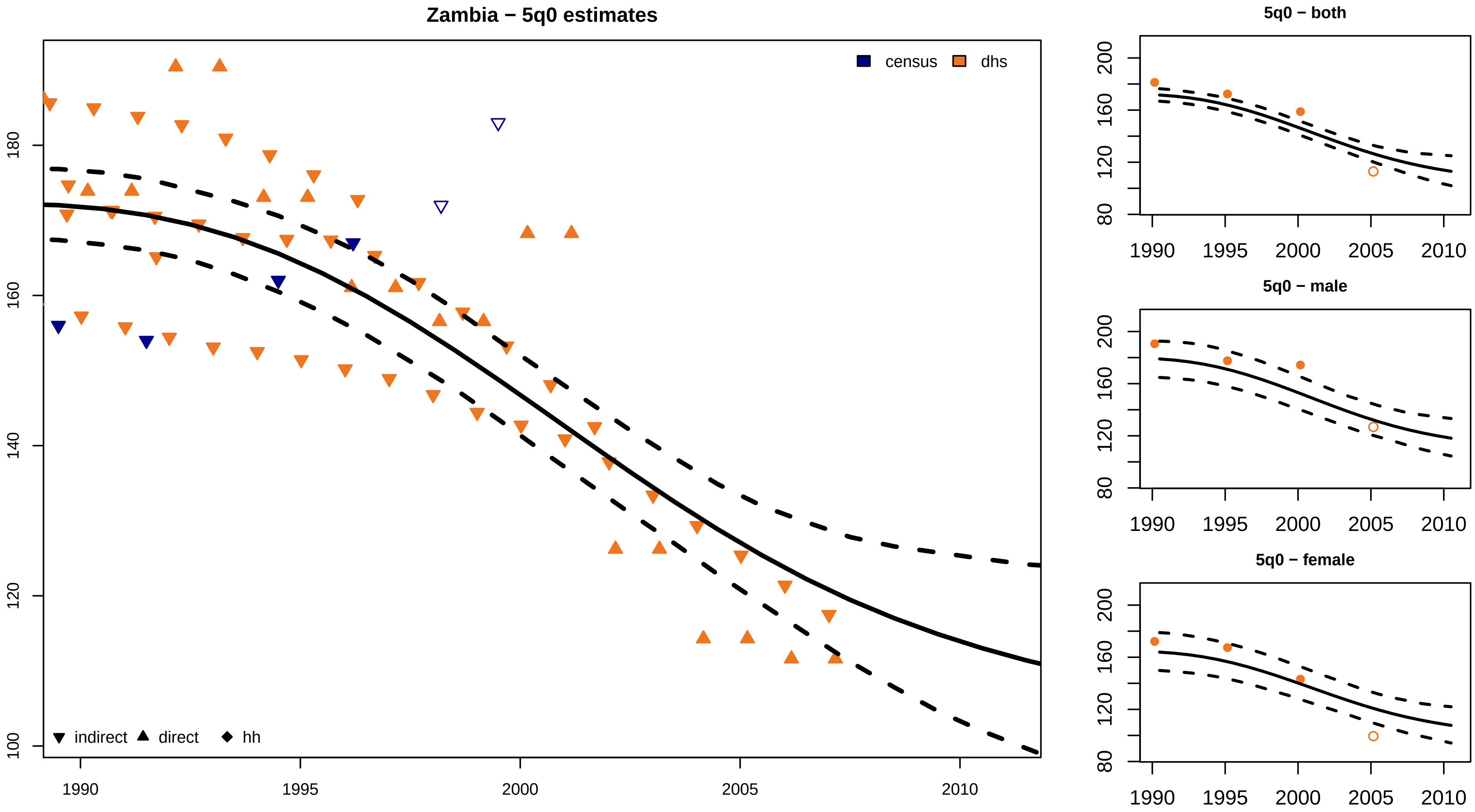


early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010

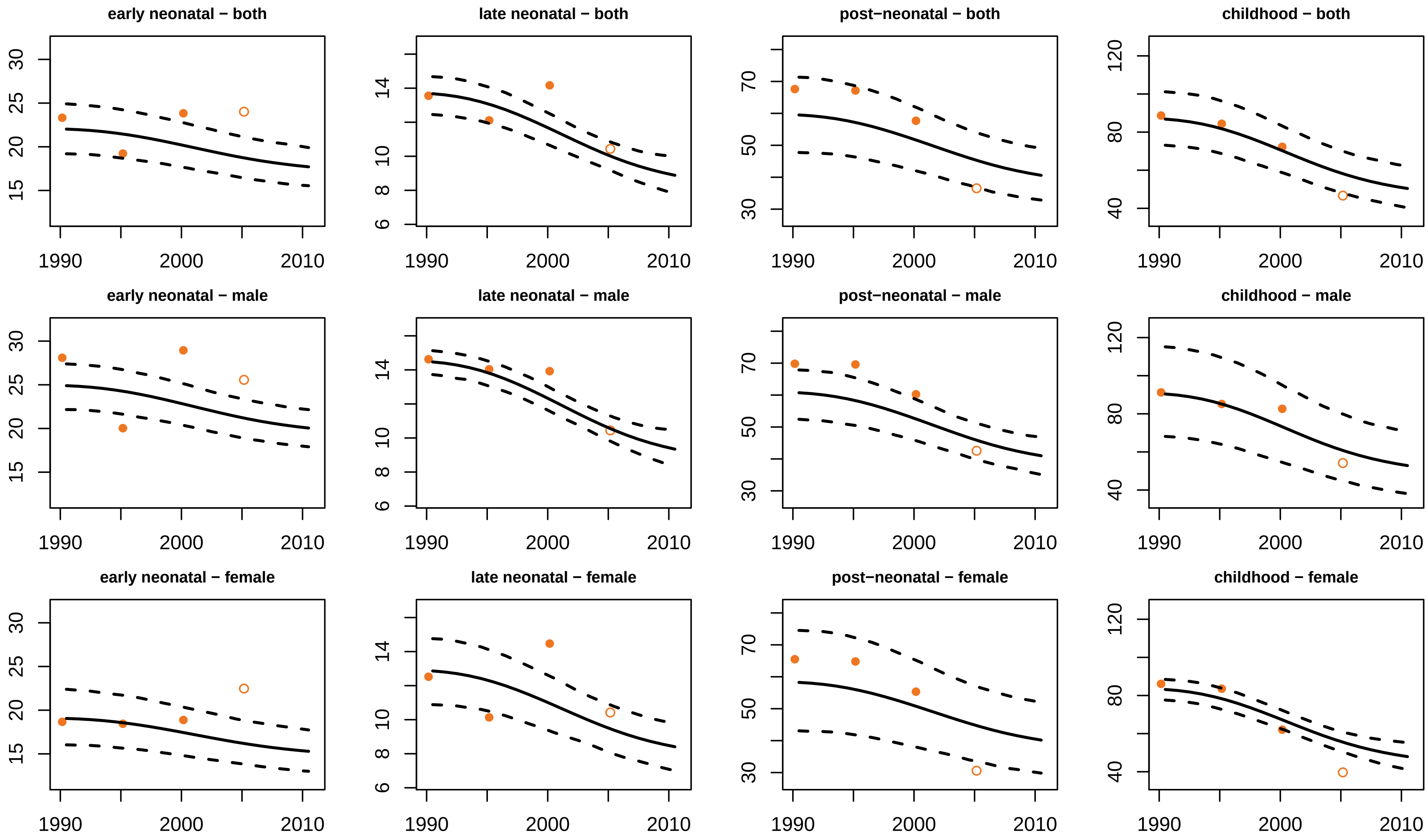


Yemen − 5q0 estimates
census
wfs
dhs
papfam
mics
other
indirect
direct
hh
150
100
50
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
120
80
40

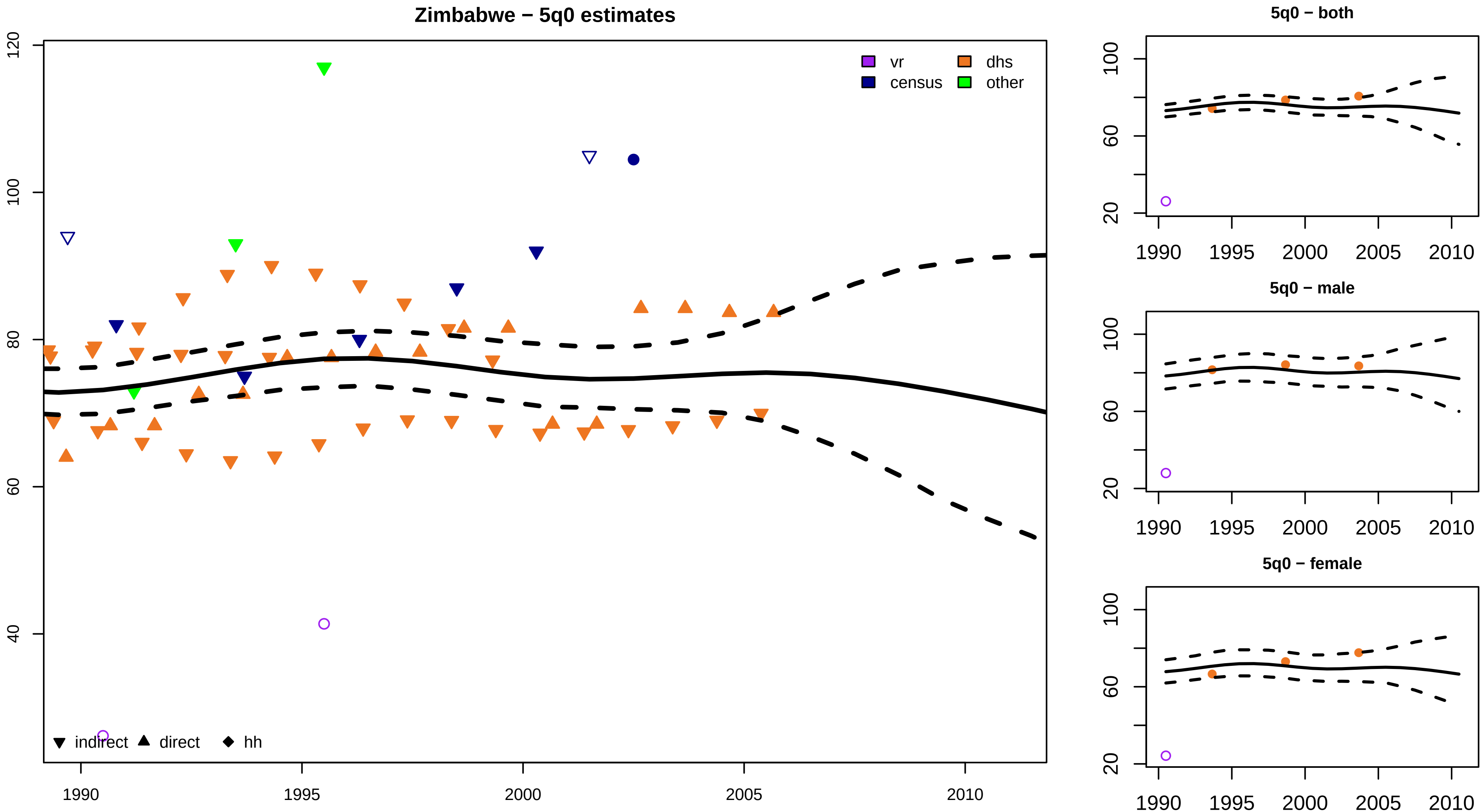

early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female



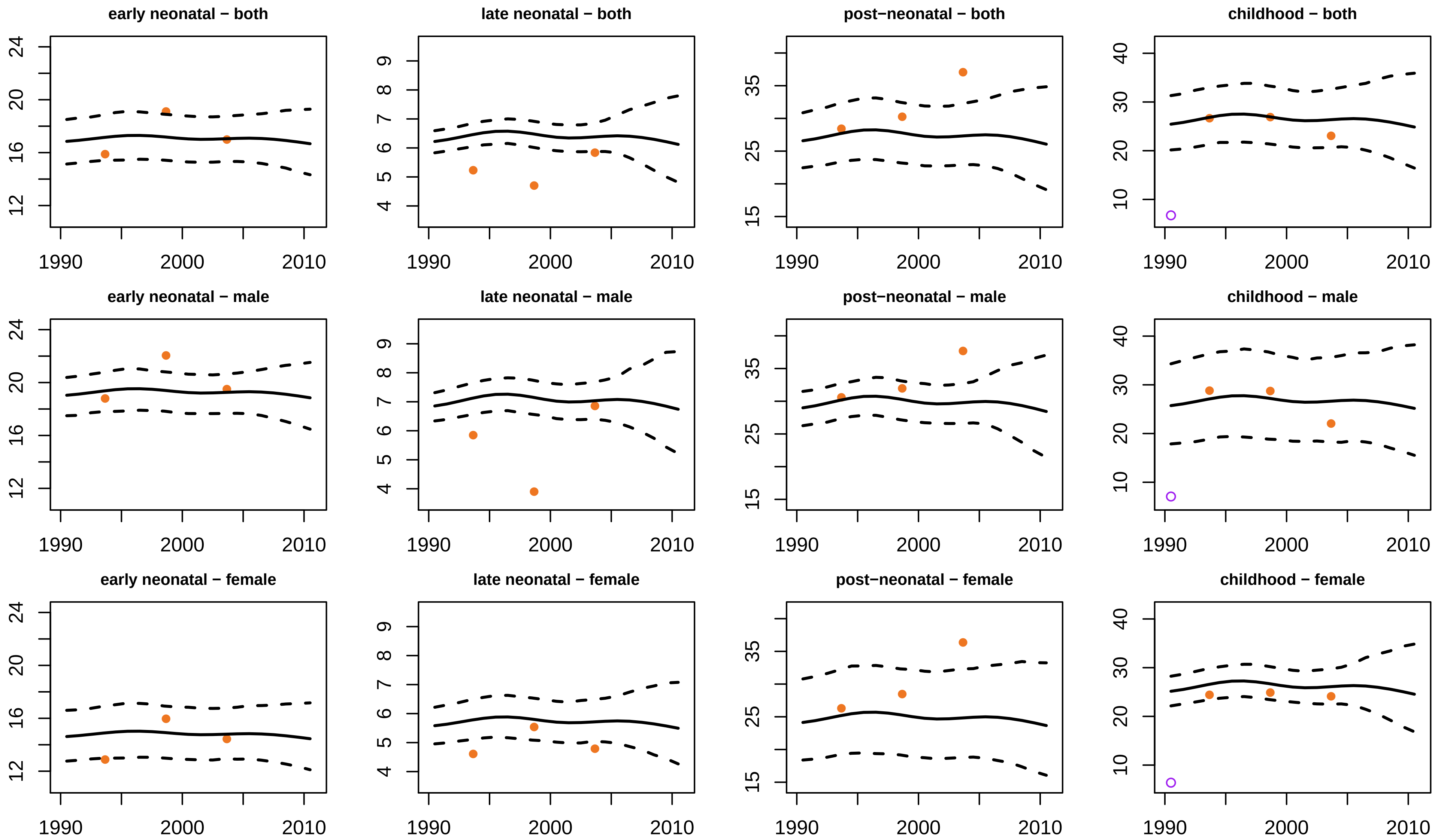
Zambia – 5q0 estimates
census
dhs
indirect
direct
hh
100
120
140
160
180
1990
1995
2000
2005
2010
5q0 – both
5q0 – male
5q0 – female
80
120
160
200



early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010



Zimbabwe − 5q0 estimates
vr
census
dhs
other
indirect
direct
hh
120
100
80
60
40
1990
1995
2000
2005
2010
5q0 − both
5q0 − male
5q0 − female
20
60
100



early neonatal − both
late neonatal − both
post−neonatal − both
childhood − both
early neonatal − male
late neonatal − male
post−neonatal − male
childhood − male
early neonatal − female
late neonatal − female
post−neonatal − female
childhood − female
1990
2000
2010