

# Country Summary: Myanmar

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## 1 Intro

These estimates are created using the BB8 model with Admin 2 estimates using a RW1xICAR interaction model with area-specific random slopes.

Myanmar has 15 Admin 1 areas and 63 Admin 2 areas.

All uncertainty intervals displayed in subsequent figures are 95% intervals.

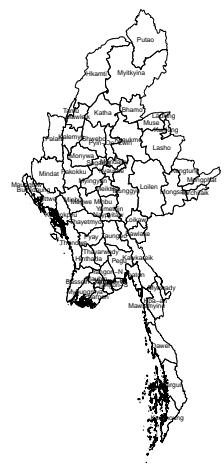


Figure 1: Top: The neighborhood structure of Admin 2 areas. Bottom: The names of Admin 2 areas.

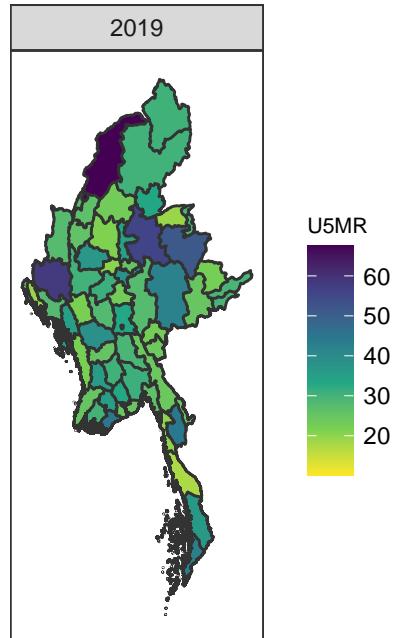


Figure 2: Median estimates of U5MR (deaths per 1000 children) in 2019.

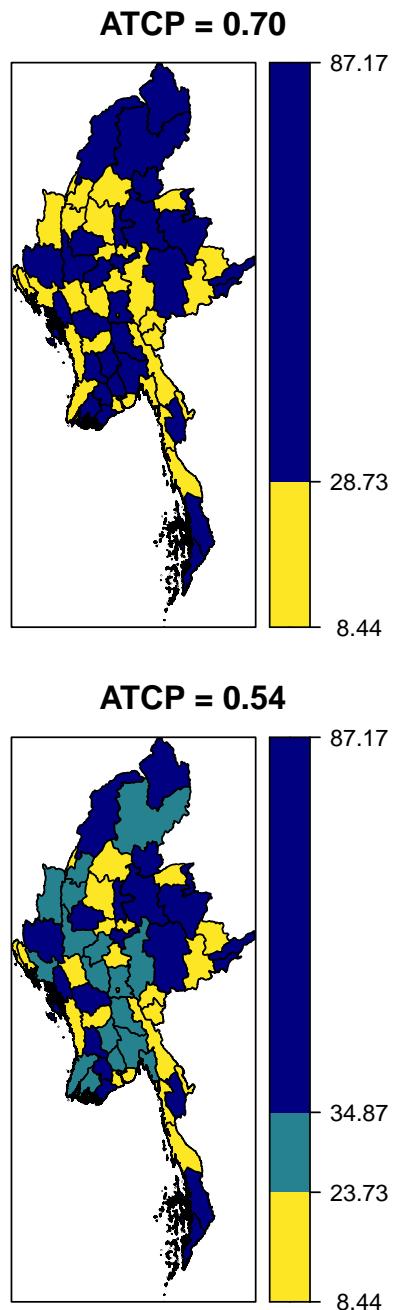


Figure 3: Expression of uncertainty of U5MR (deaths per 1000 children) based on the average true classification probability (ATCP) in 2019.

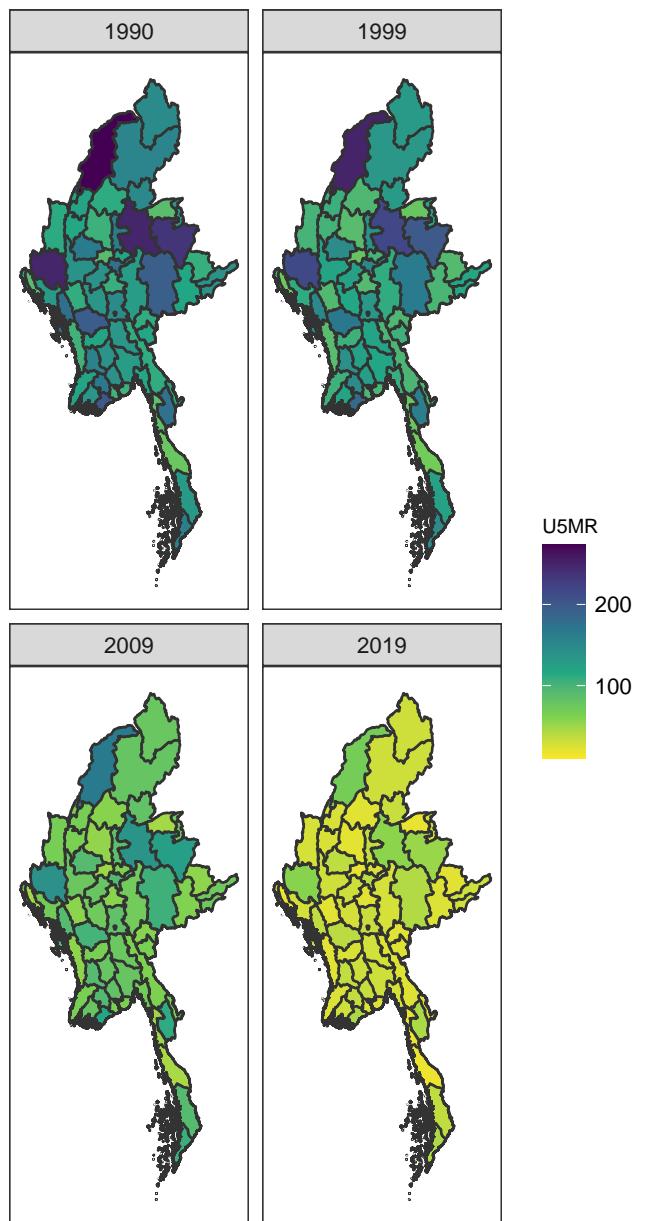
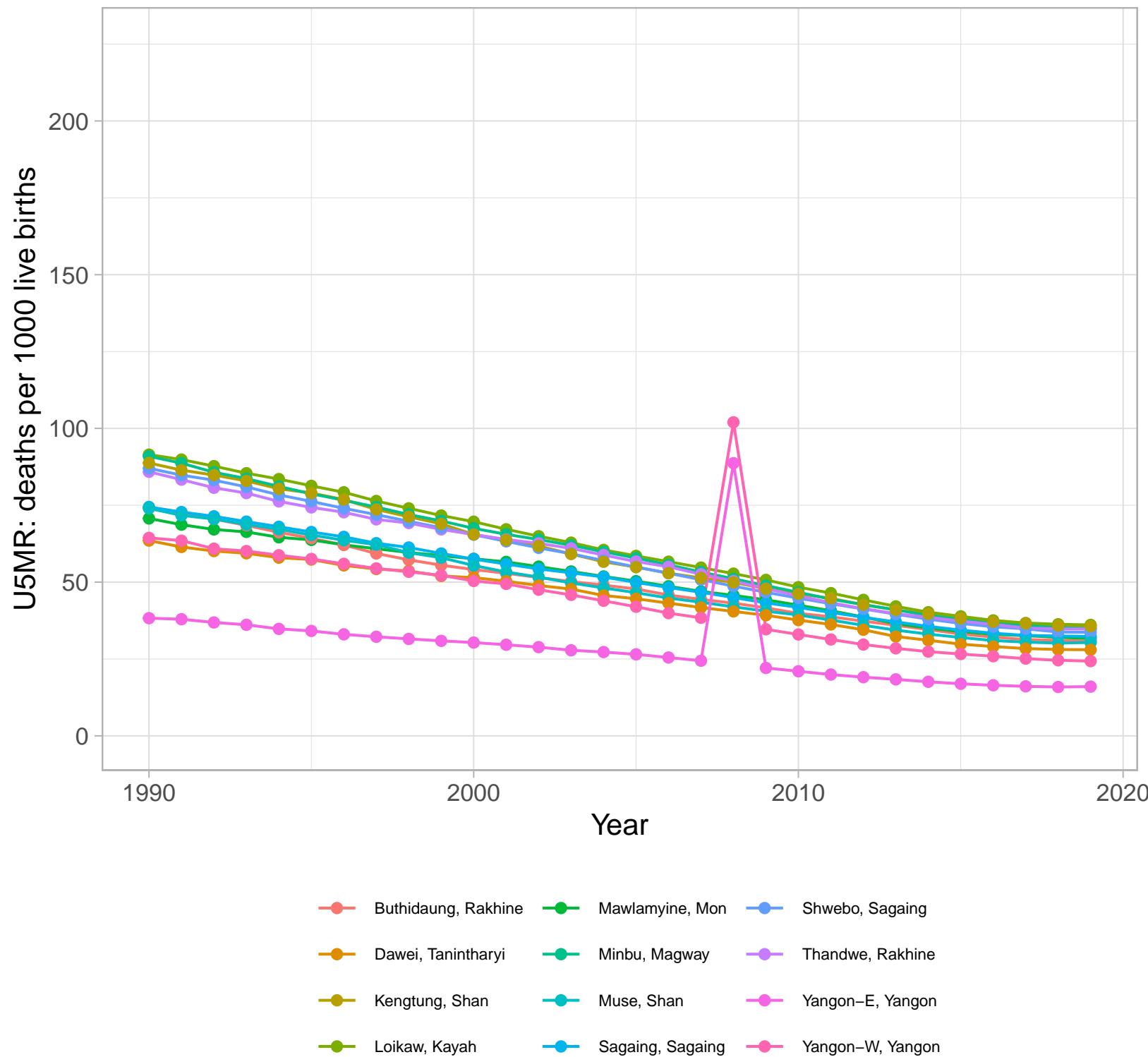
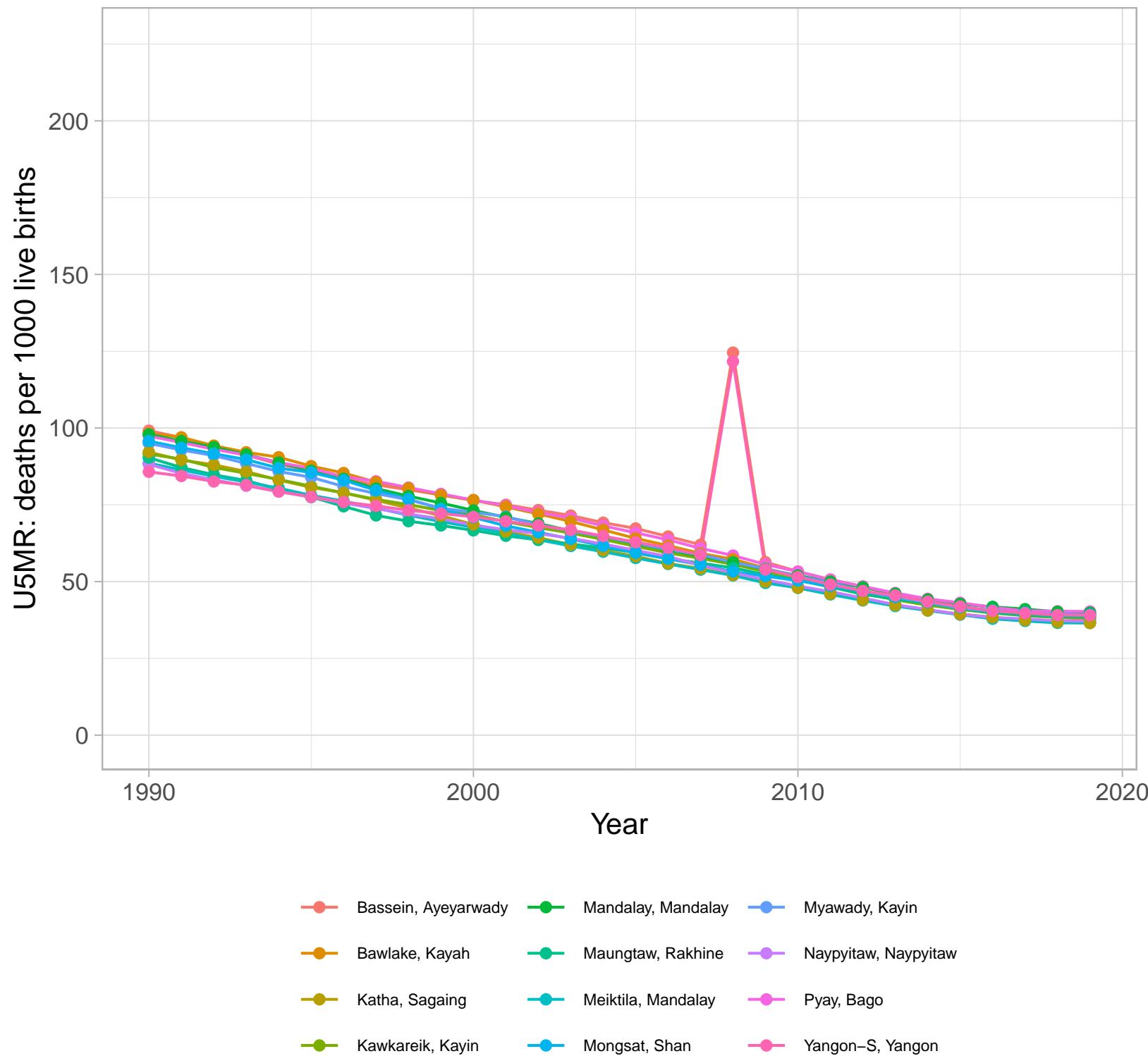


Figure 4: Median estimates for selected years.

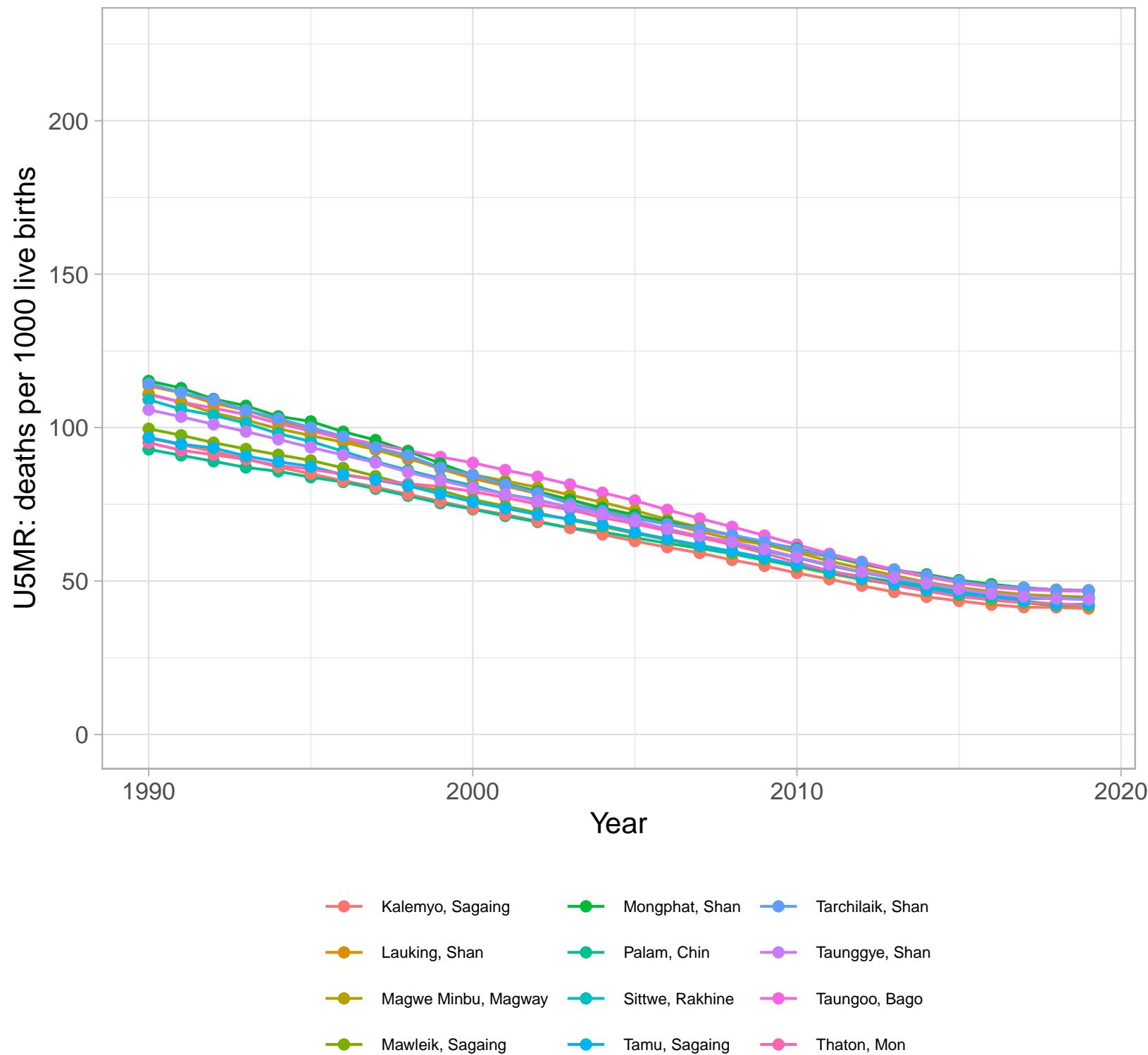
# Myanmar



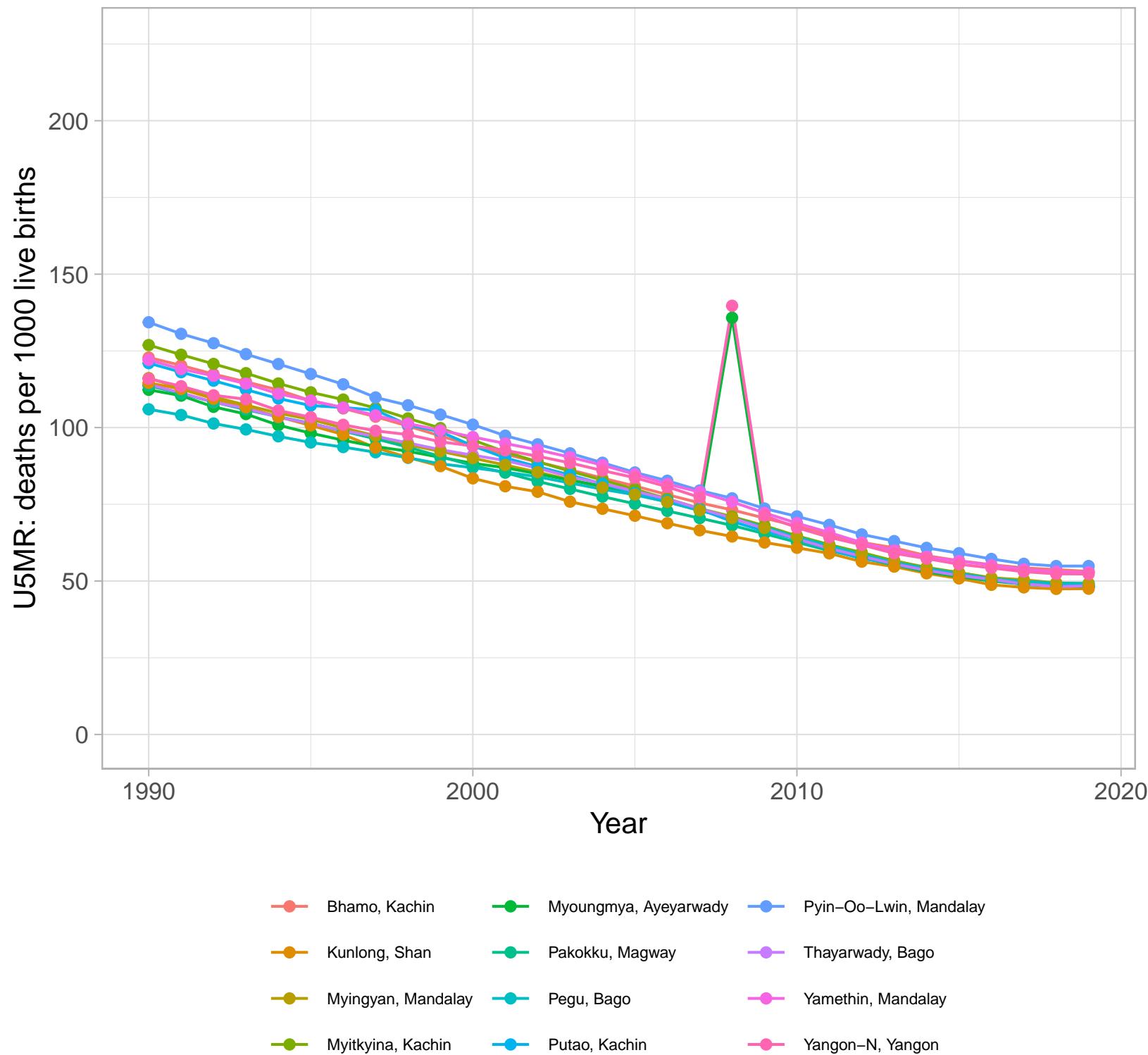
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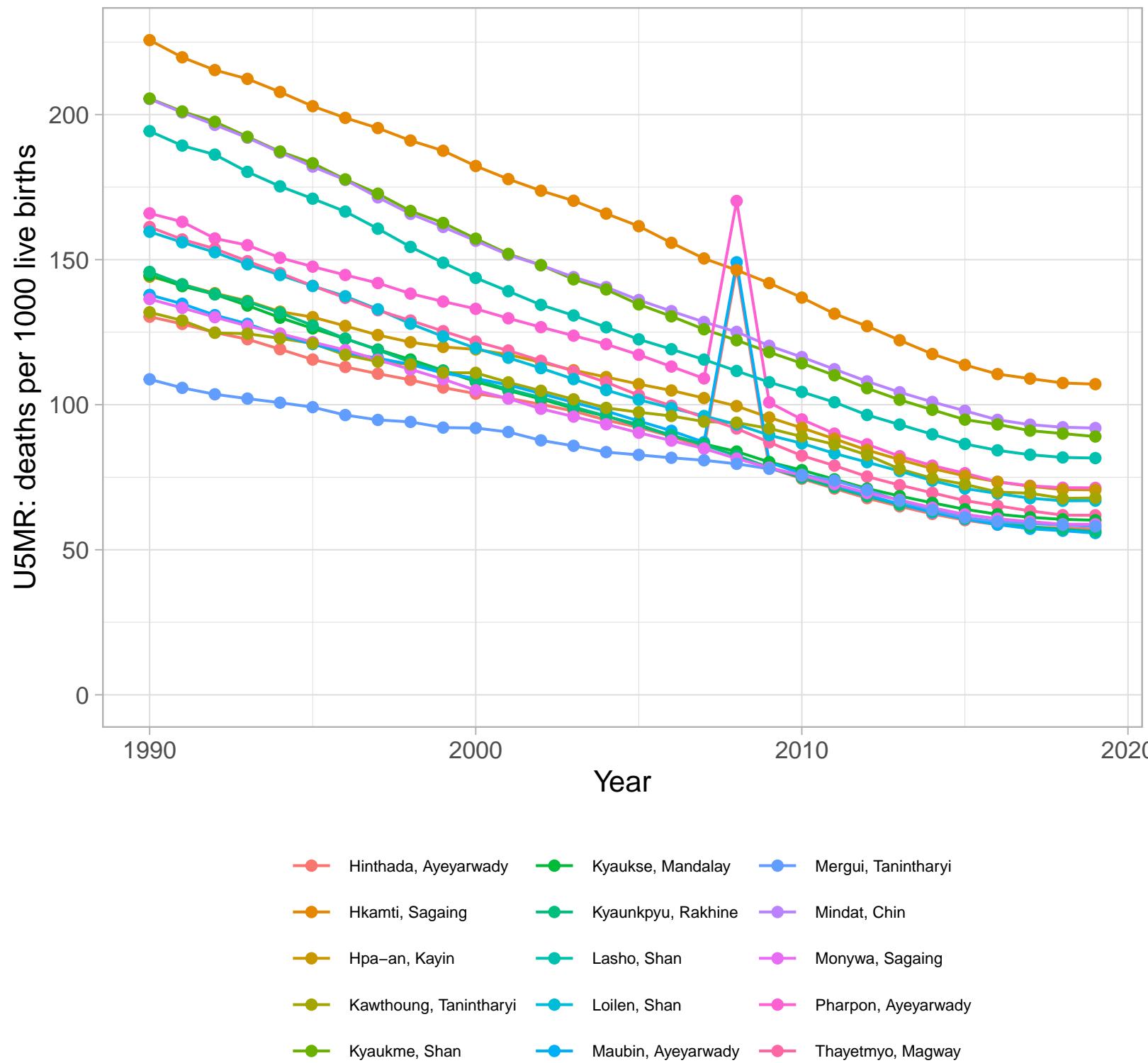
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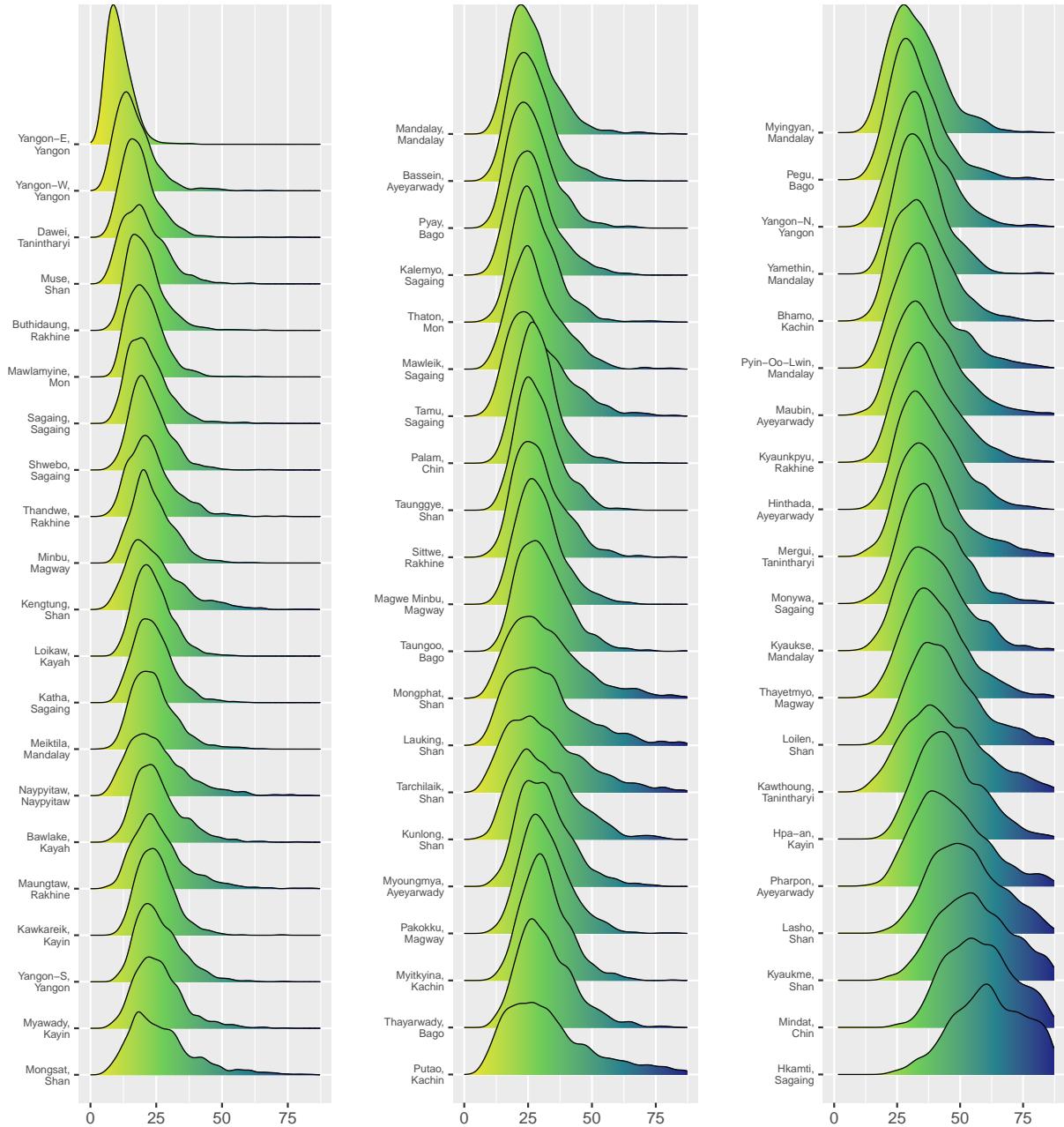


Figure 5: Posterior distributions of U5MR (deaths per 1000 children) in 2019. Areas are ordered by median estimated U5MR in 2019.

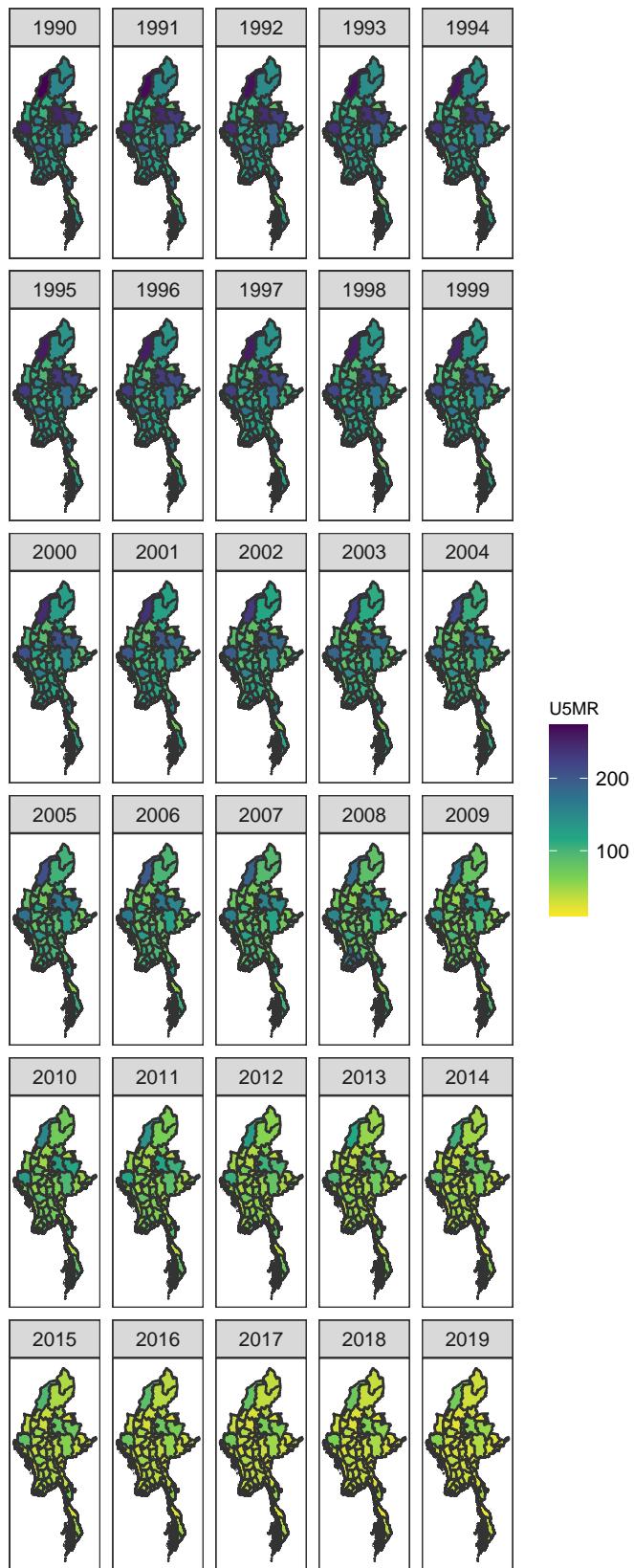


Figure 6: Posterior medians of U5MR (deaths per 1000 births) by Admin 2 area and year.

## 2 National Survey Data

Survey	Urban	Rural	Total
2015-16	122	319	441

Table 1: Number of clusters by urban/rural designation by survey for Myanmar.

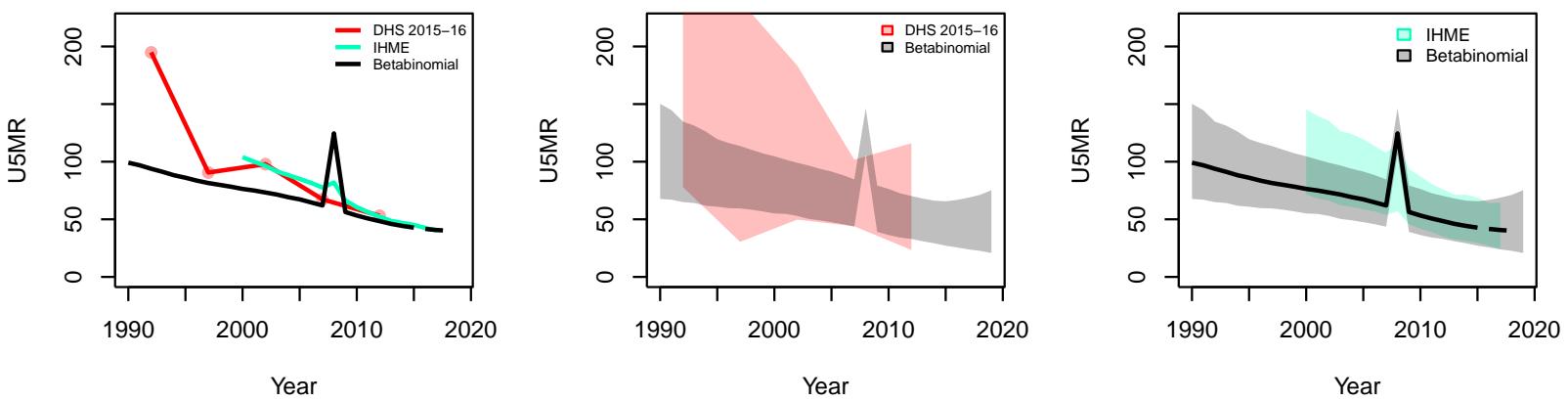
Age	No. Deaths	No. Agemonths
0	842	21963
1-11	762	222544
12-23	159	229996
24-35	100	219993
36-47	100	208903
48-59	52	197845

Table 2: Numbers of agemonths and deaths by age for DHS 2015-16.

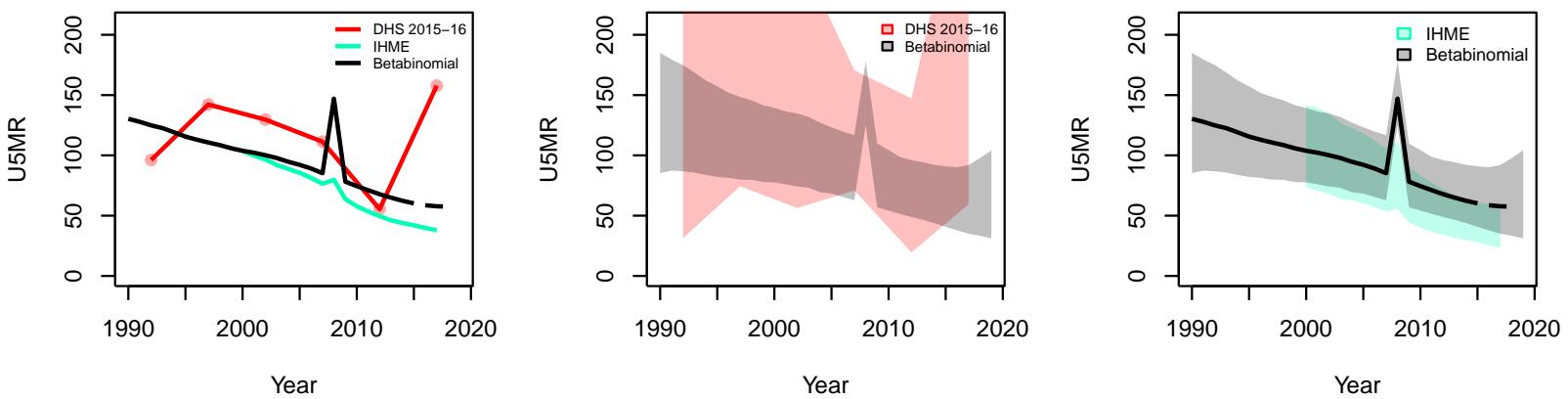
### 3 Admin 2 Figures

The following few pages have estimates by area across time with underlying data included. There are six admin areas per page. Colored lines with circular points and light grey uncertainty bands are 5-year survey-weighted estimates of U5MR for years 1990–1994 up to 2015–2019 depending on survey timing. For a survey that ends in the middle of a 5-year period, we plot the estimates at the mid-point of the years in that interval for which the survey provides data. Black lines and corresponding intervals represent posterior medians and 95% uncertainty intervals respectively for the betabinomial model.

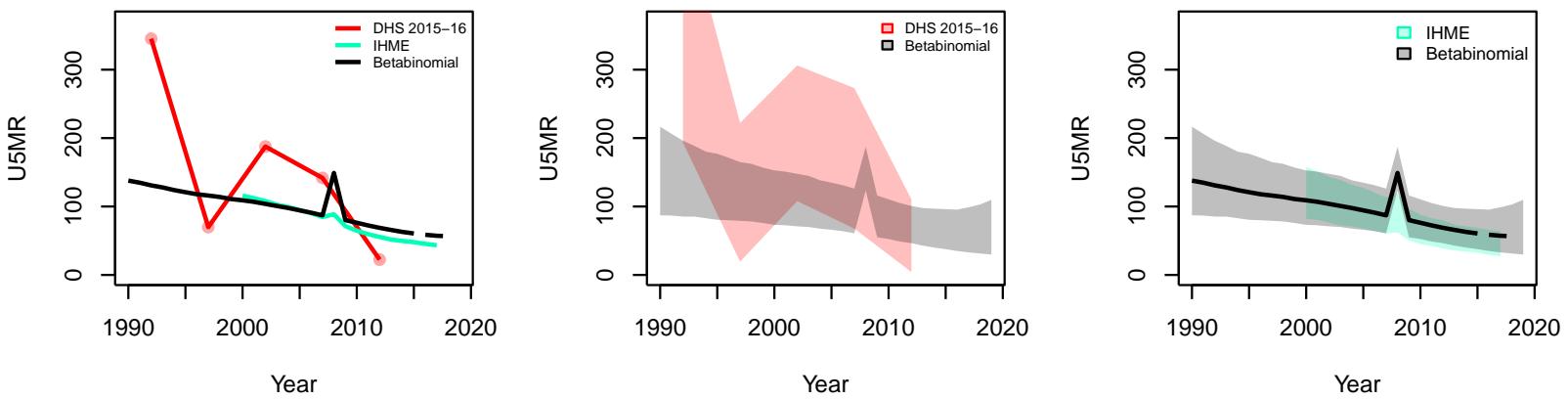
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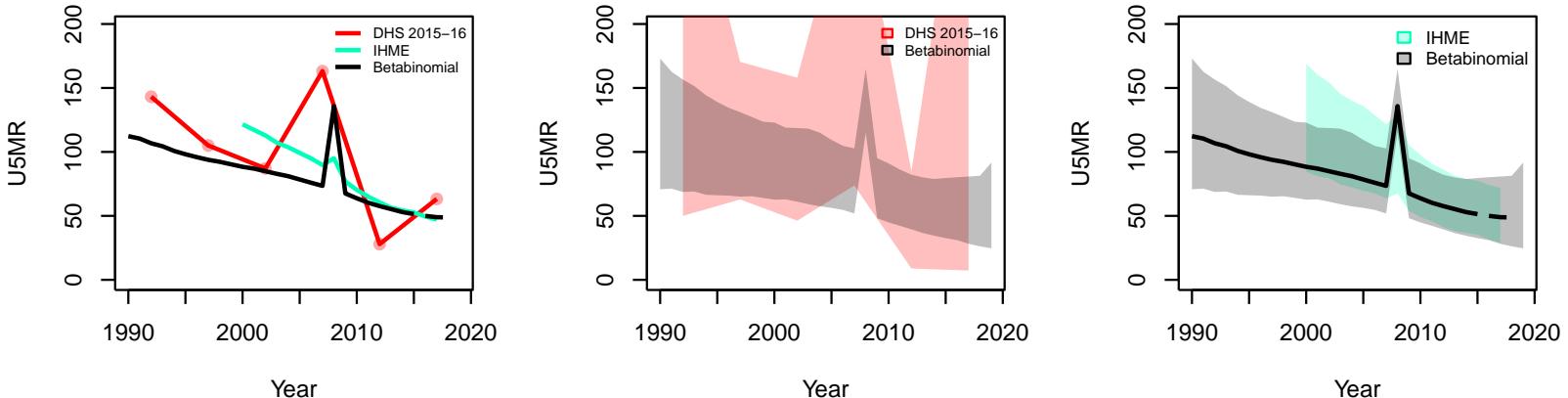
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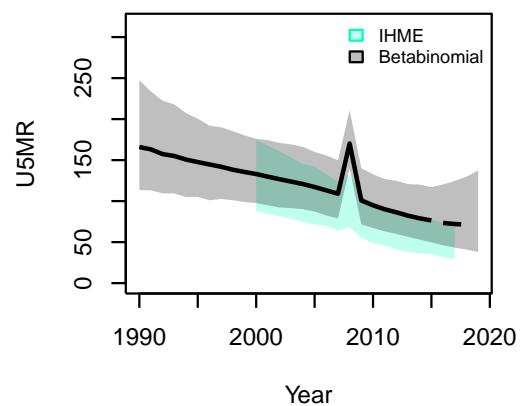
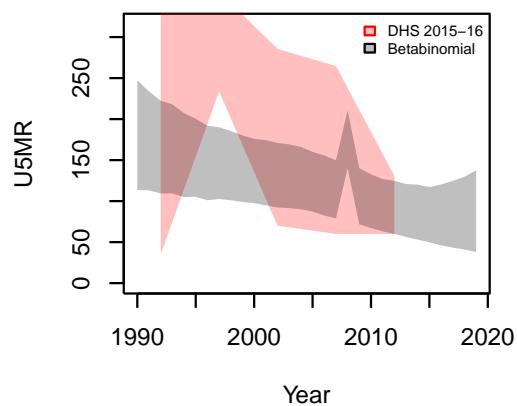
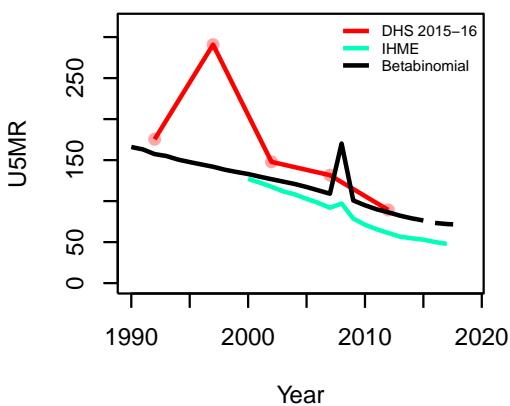
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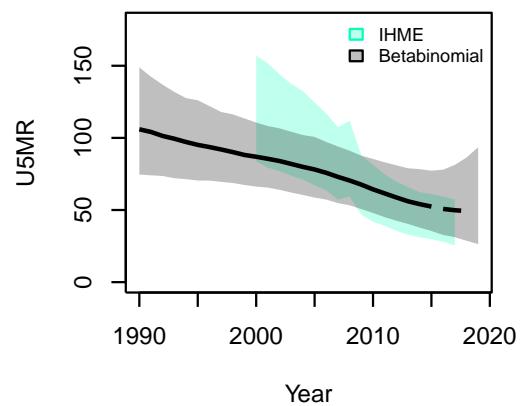
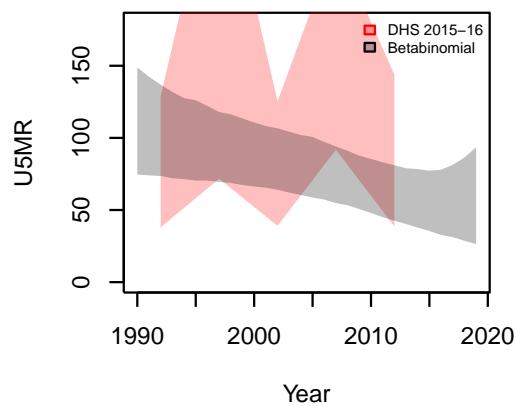
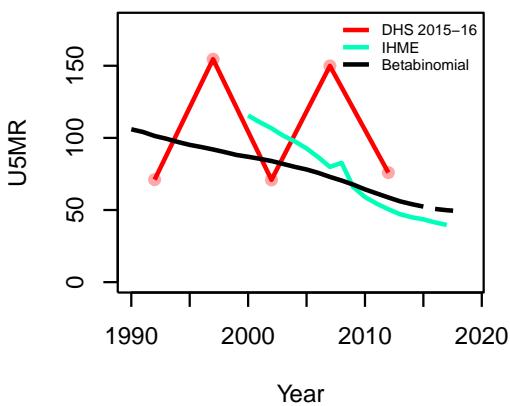
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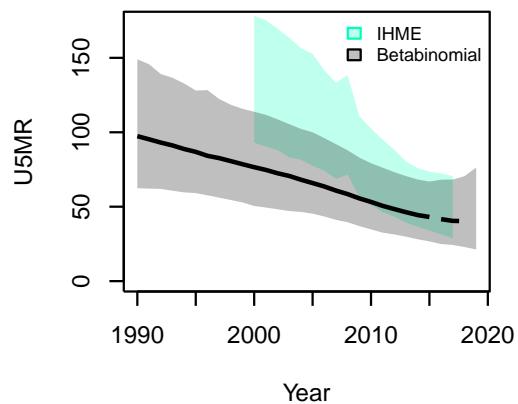
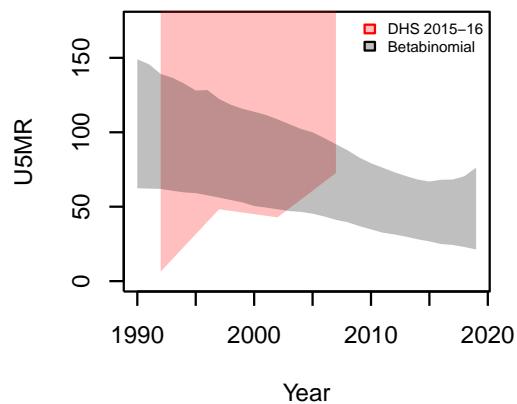
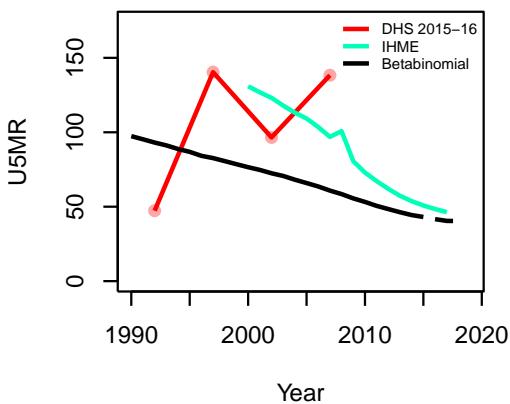
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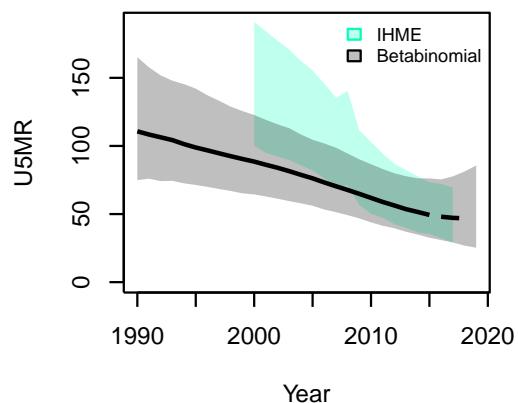
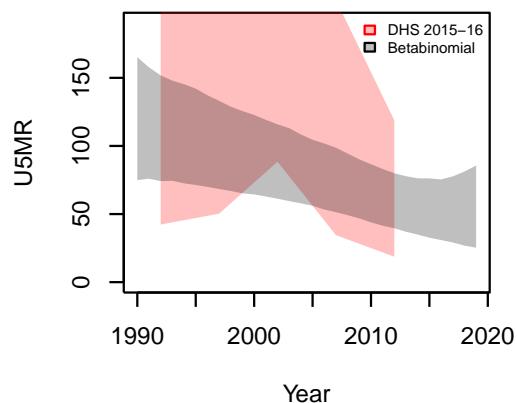
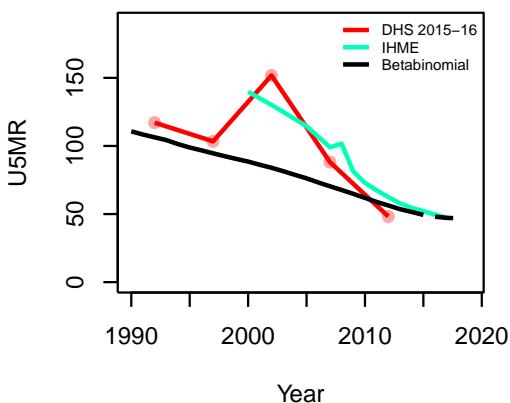
**Pegu, Bago**



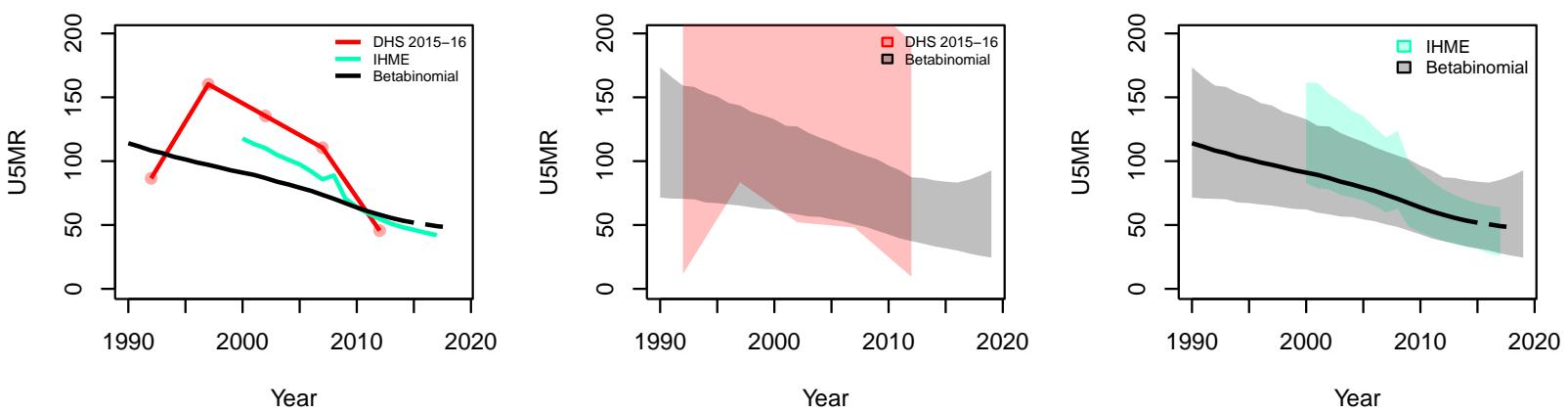
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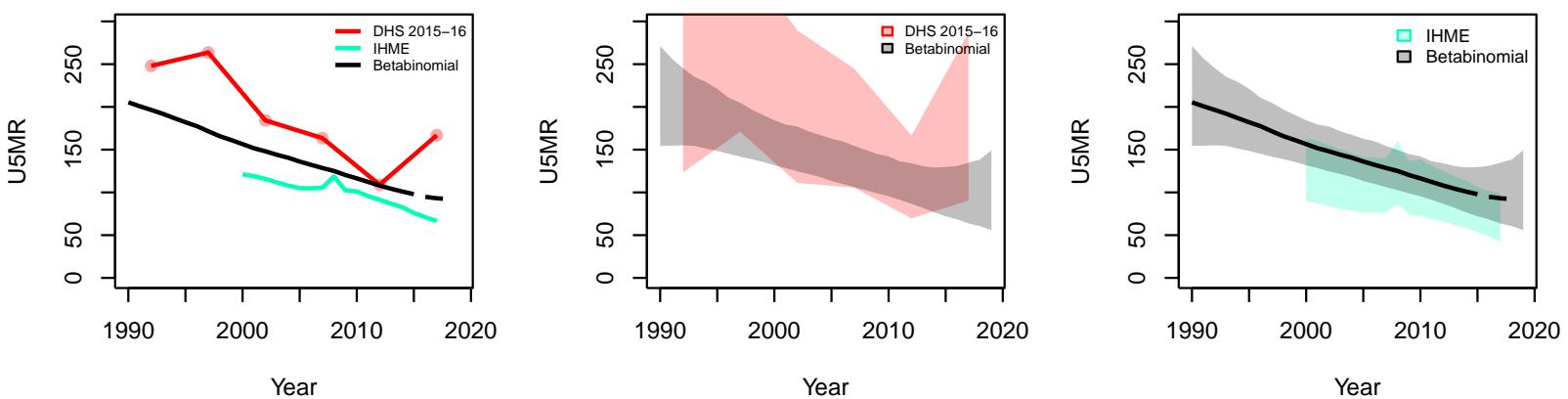
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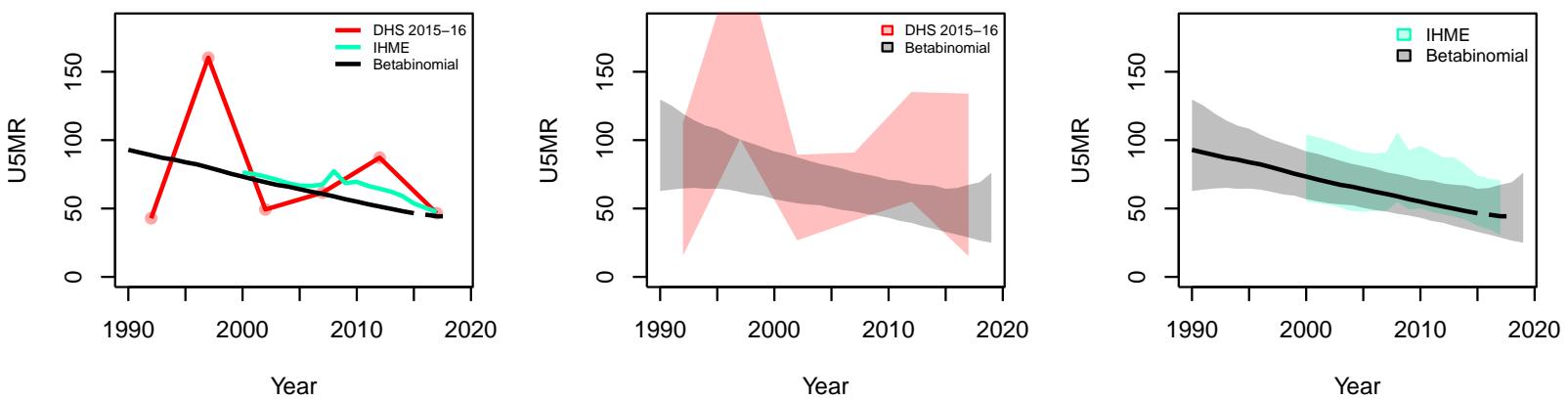
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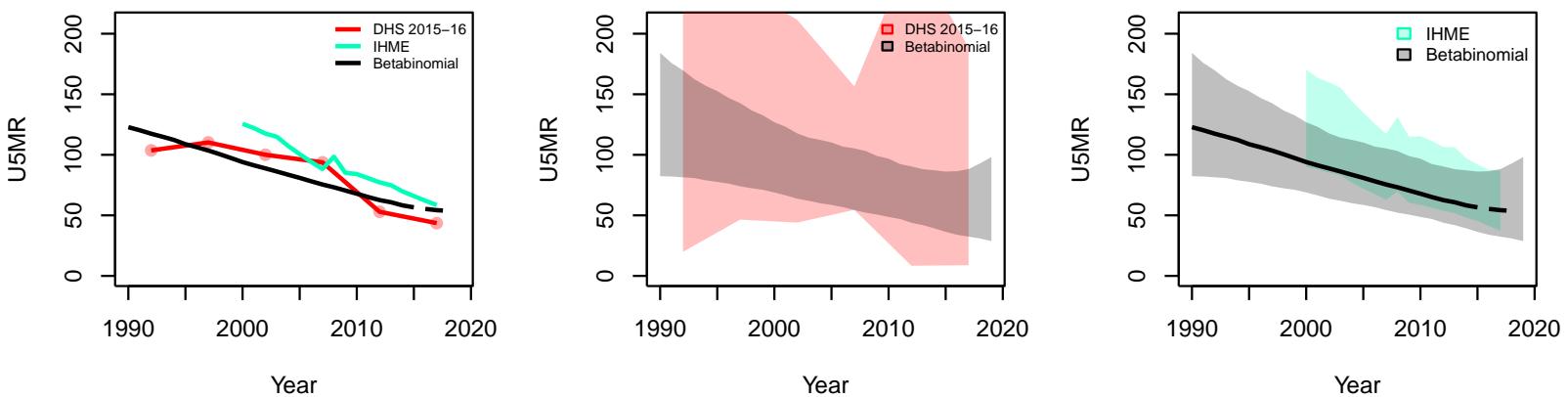
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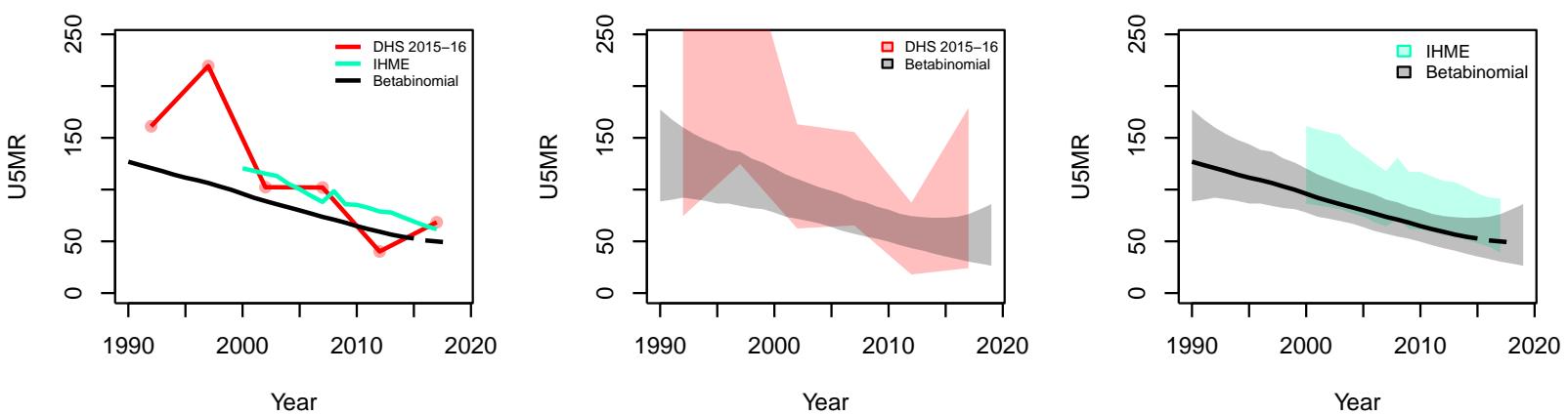
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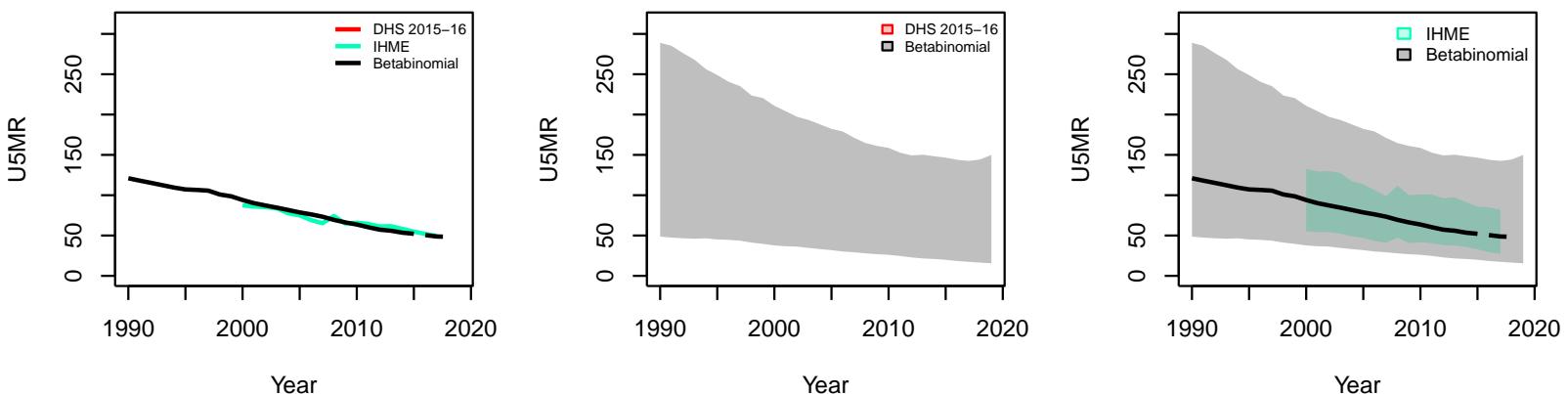
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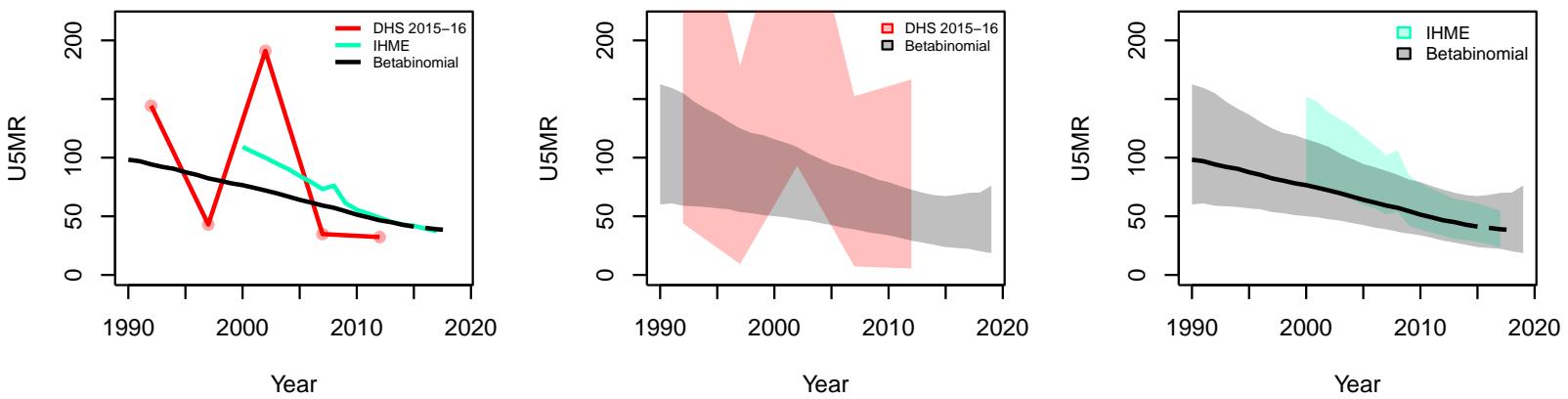
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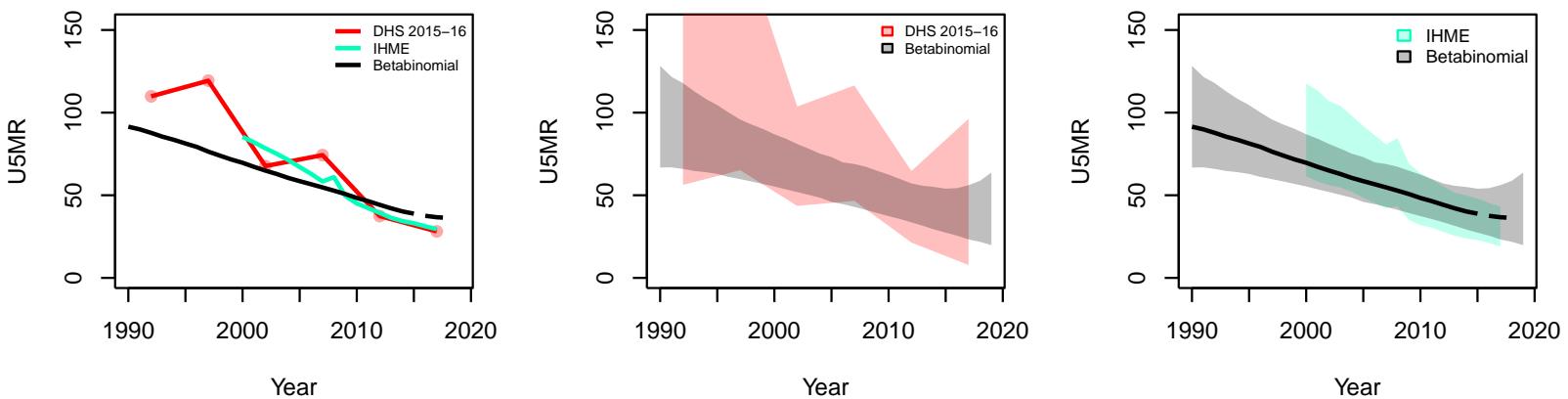
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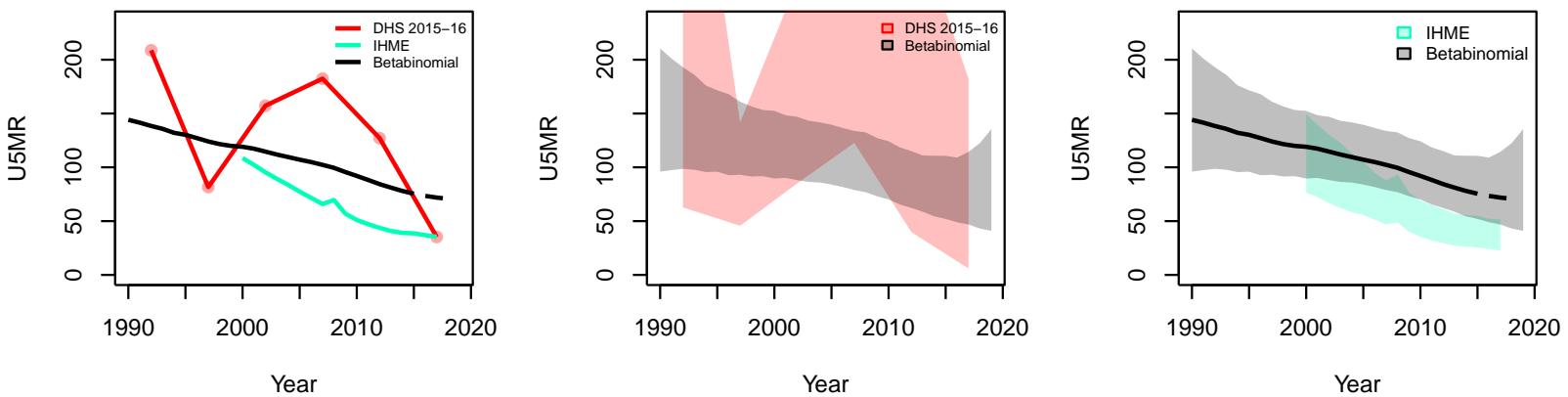
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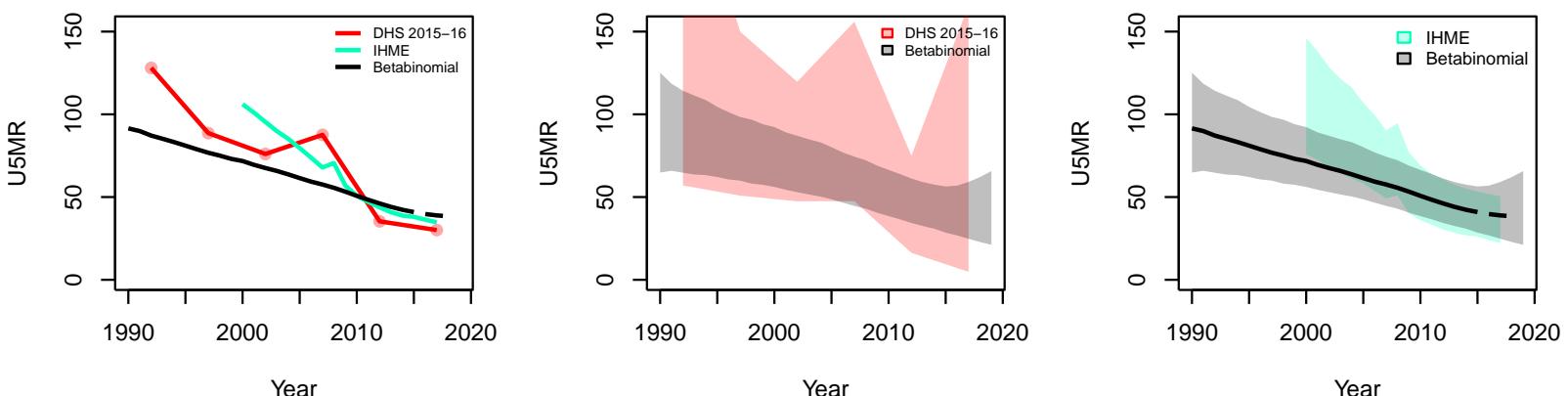
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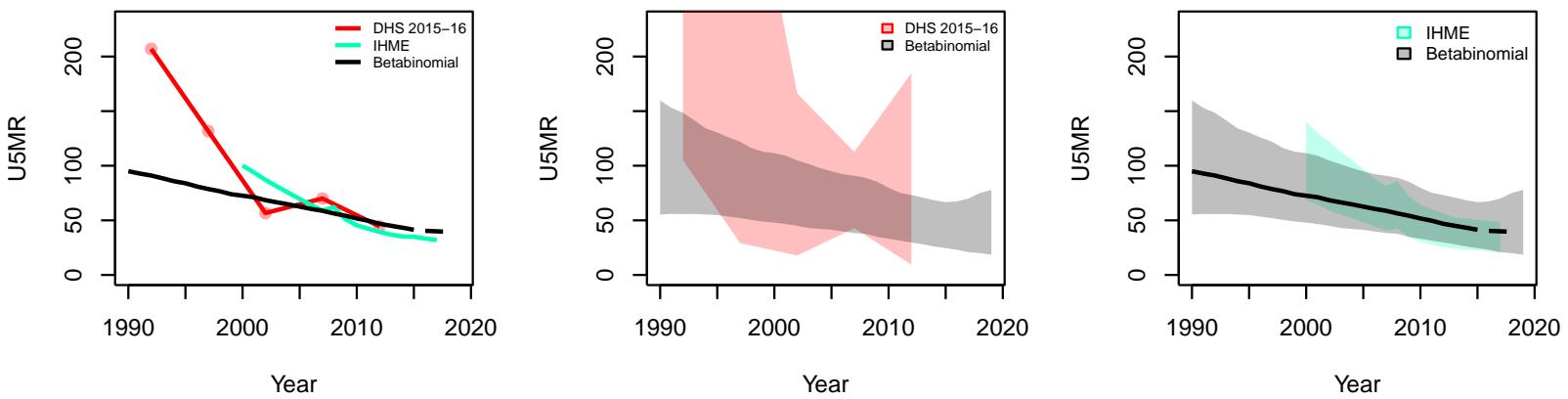
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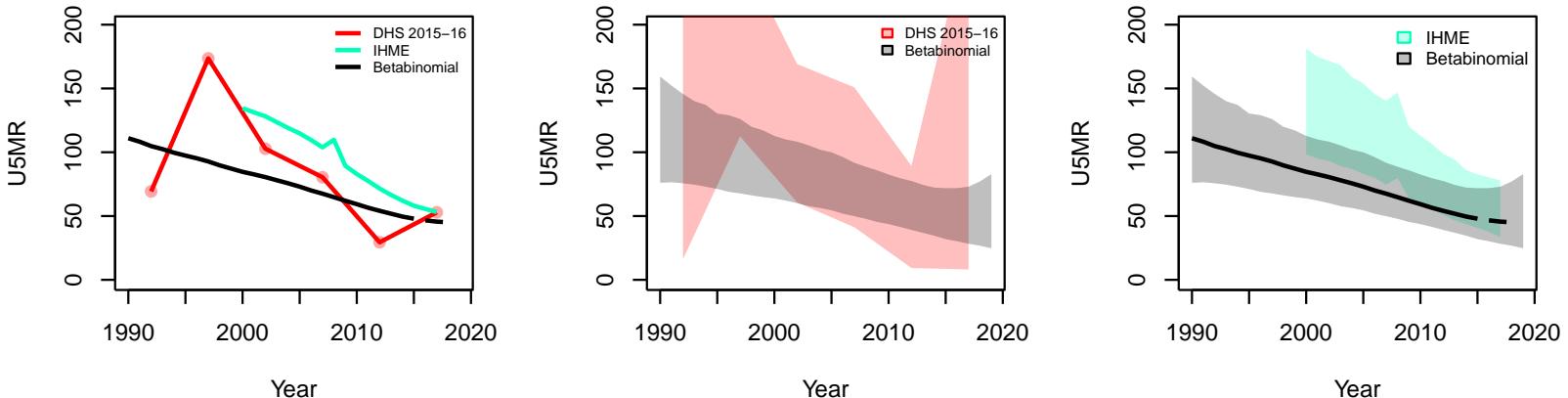
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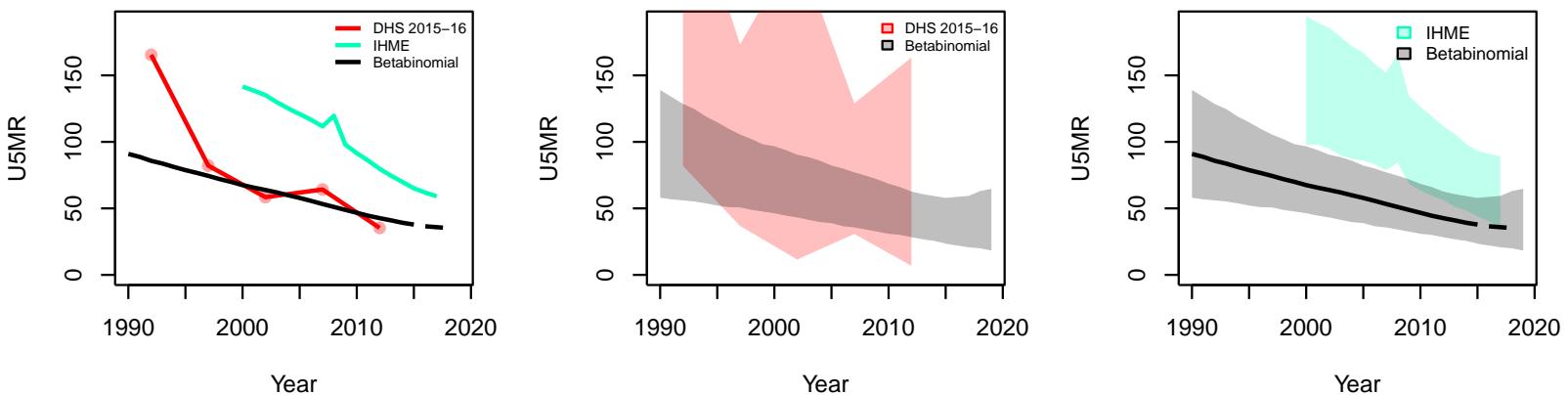
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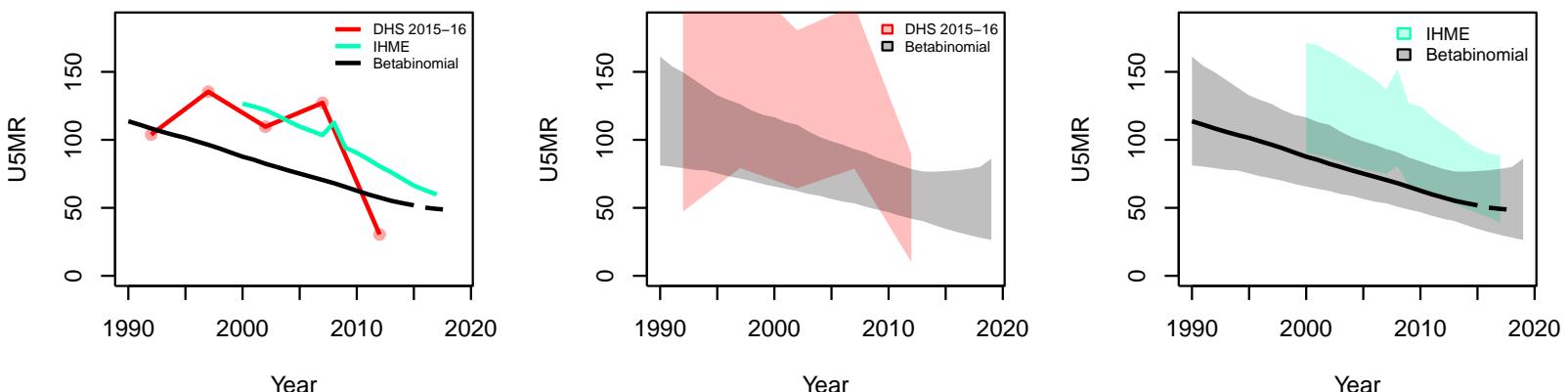
### Magwe Minbu, Magway



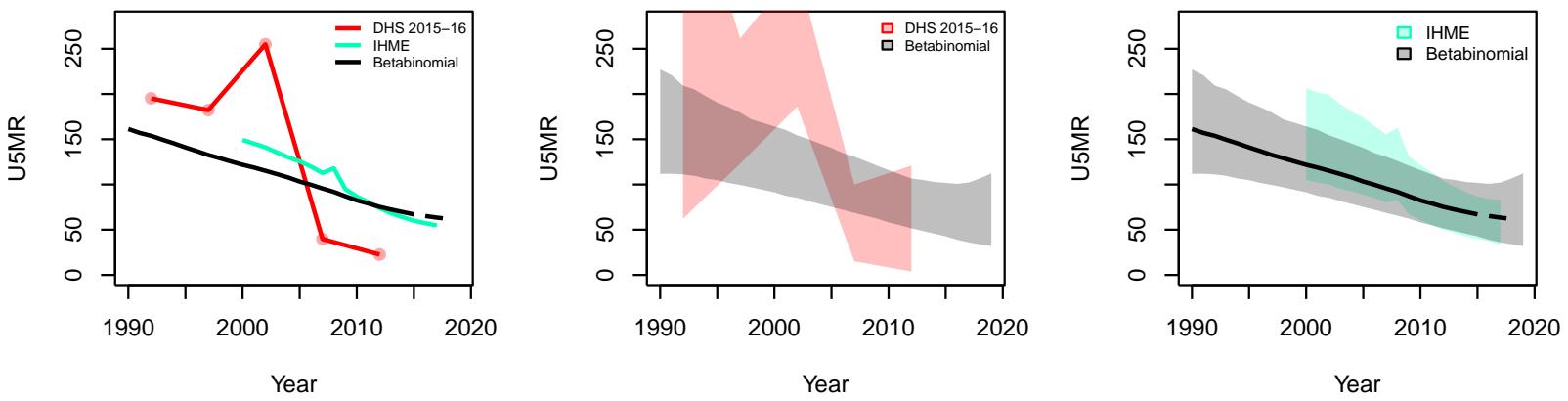
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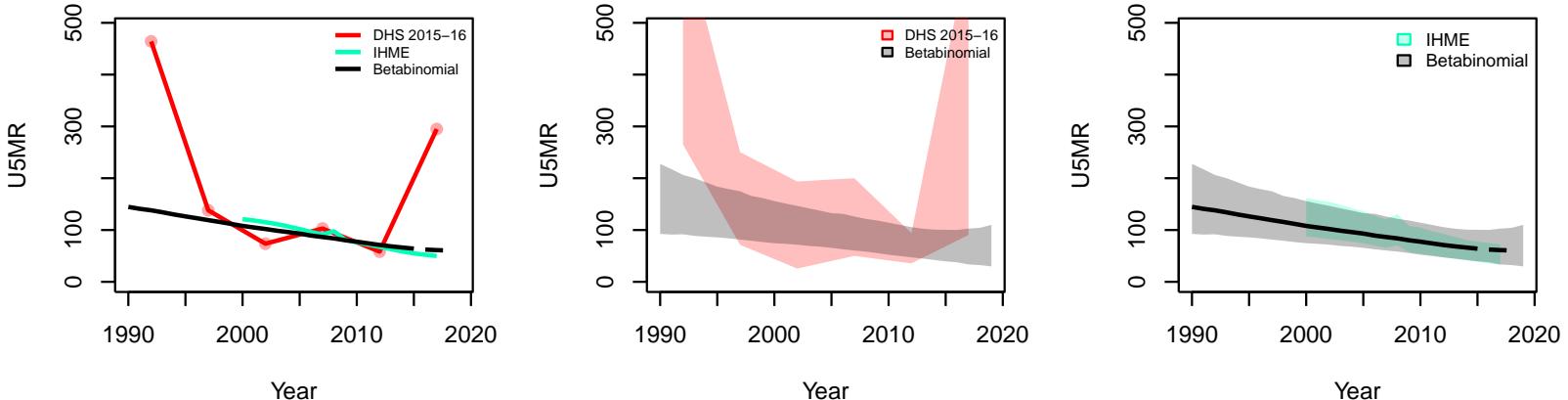
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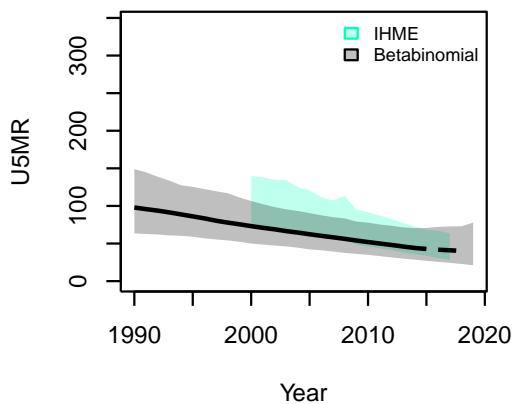
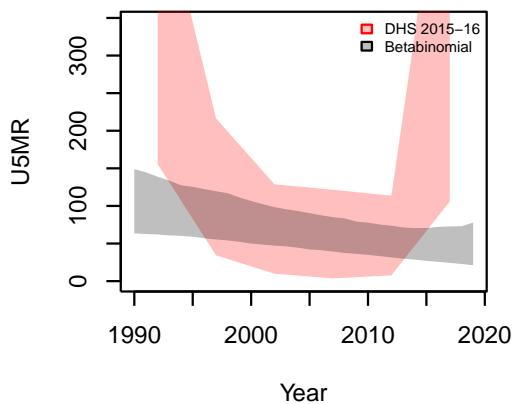
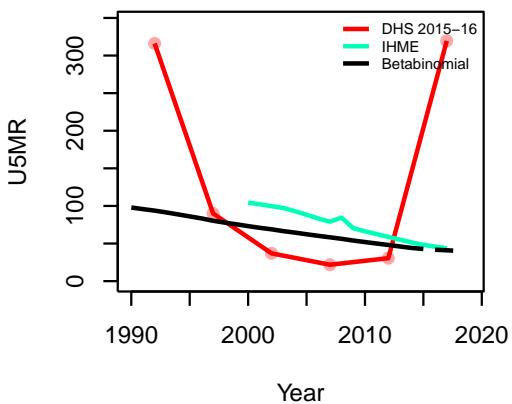
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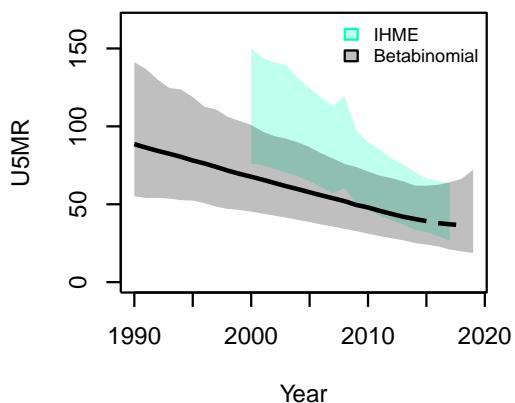
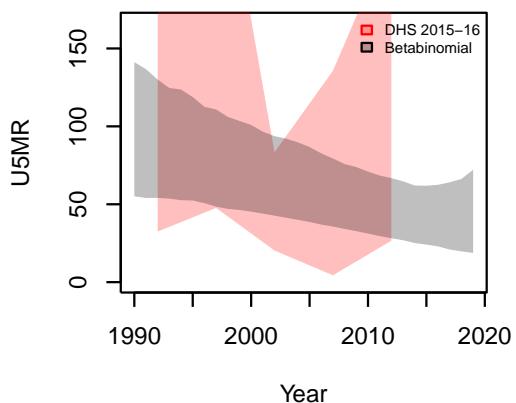
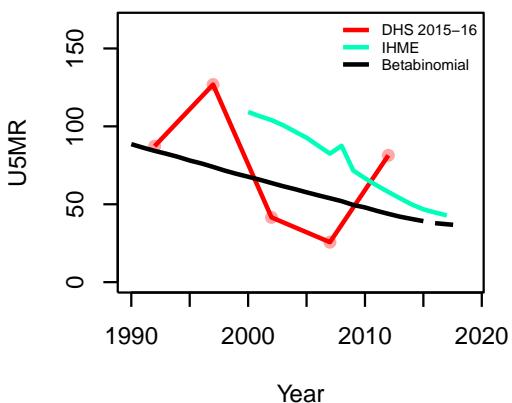
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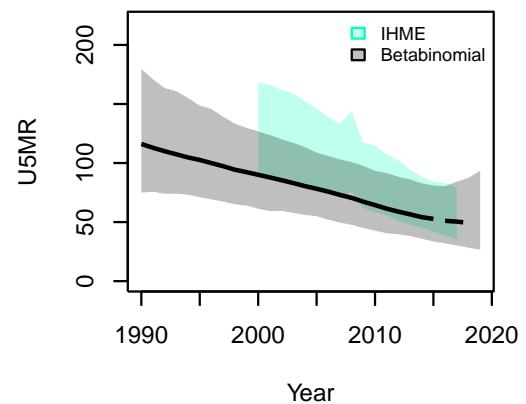
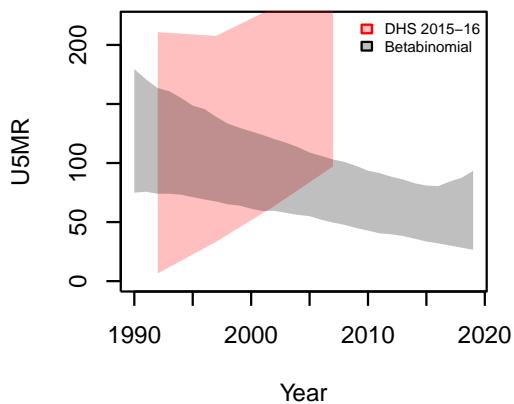
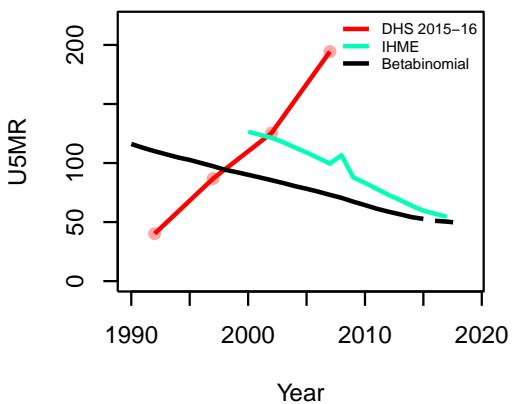
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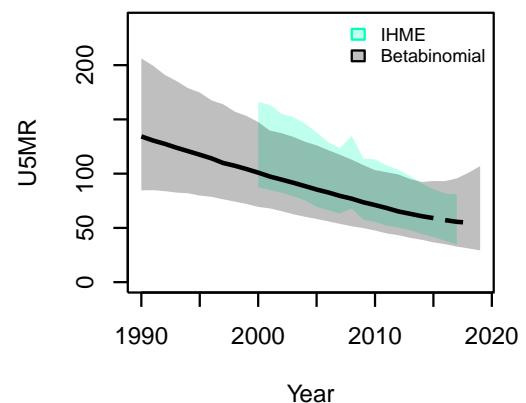
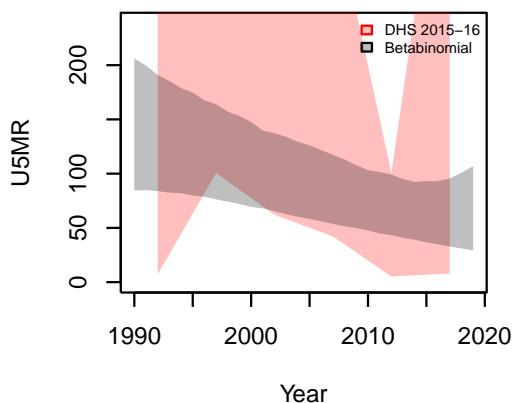
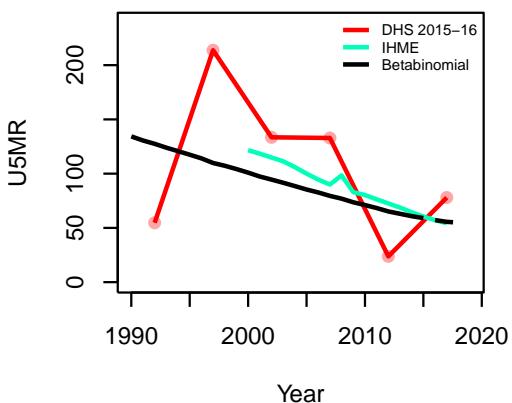
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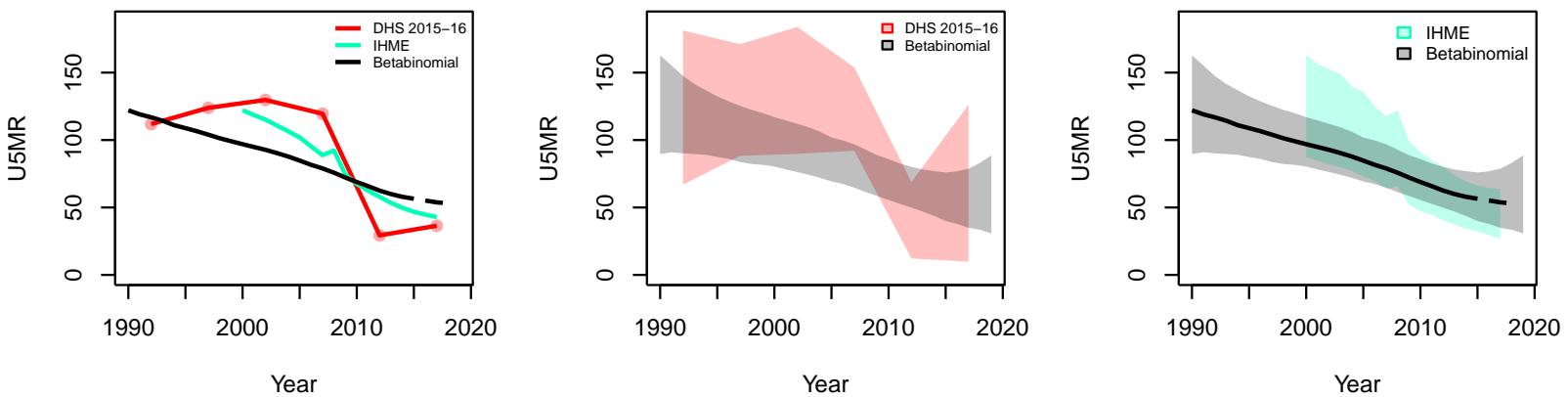
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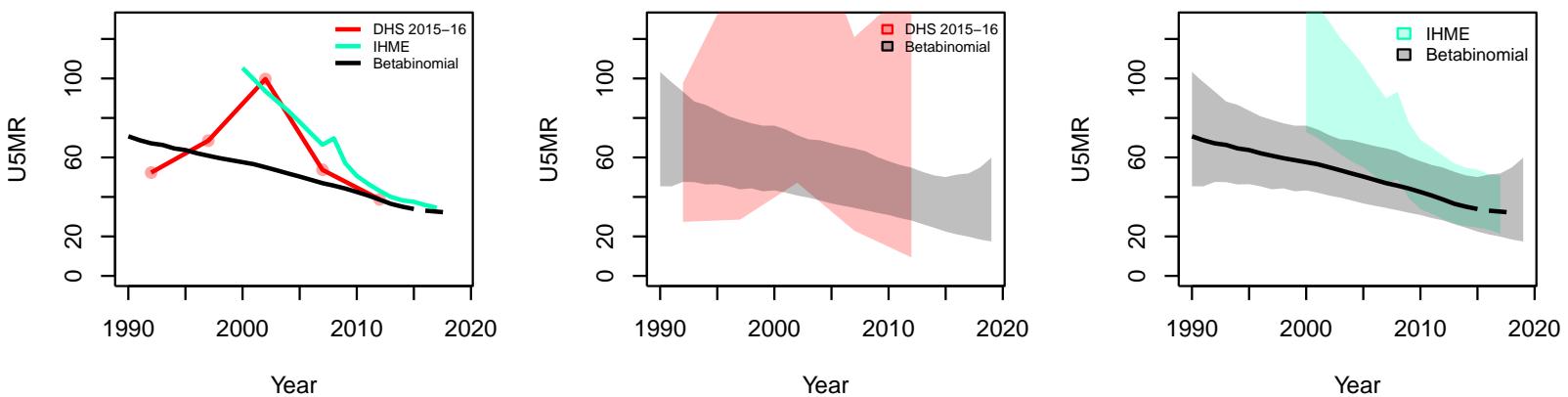
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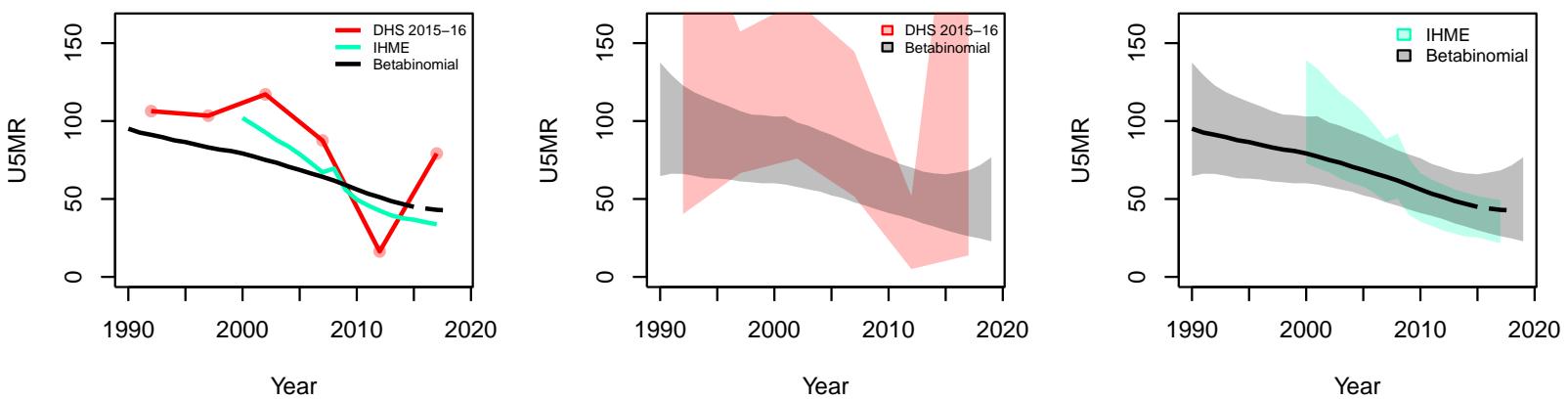
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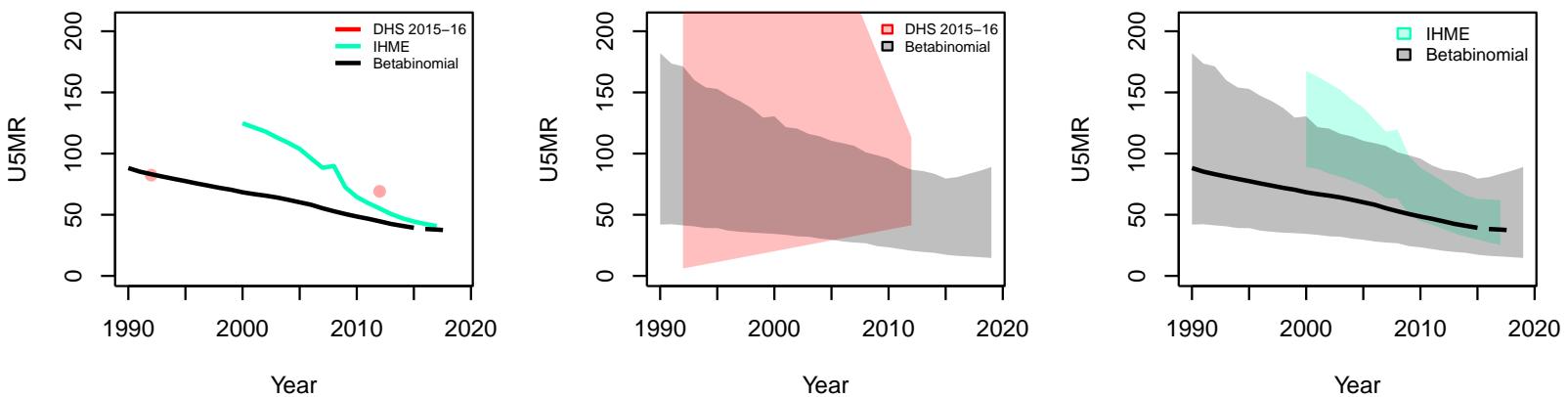
### Mawlamyine, Mon



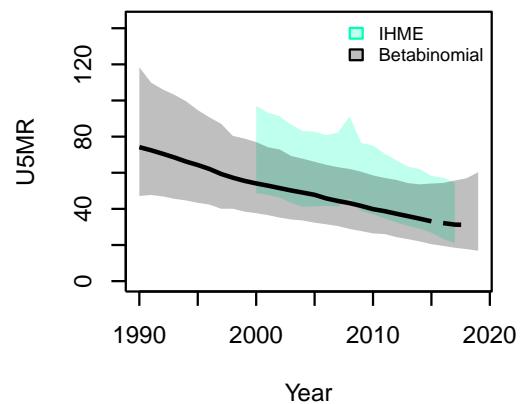
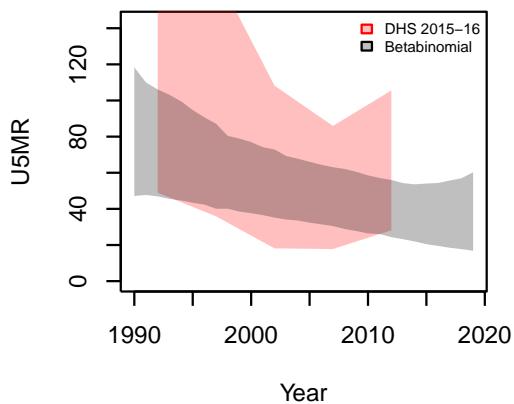
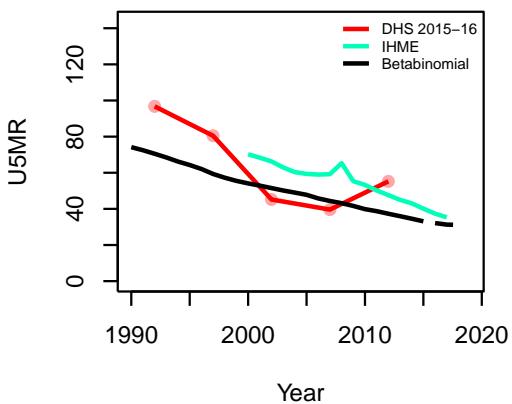
Thaton, Mon



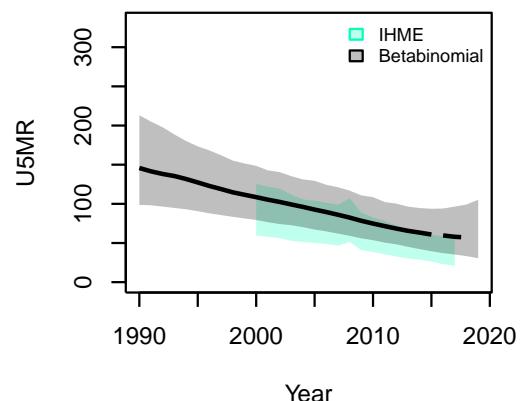
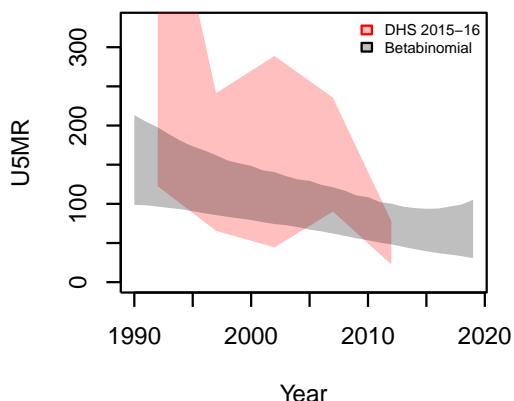
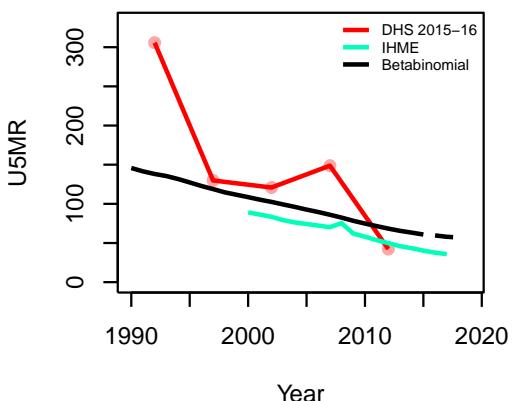
Naypyitaw, Naypyitaw



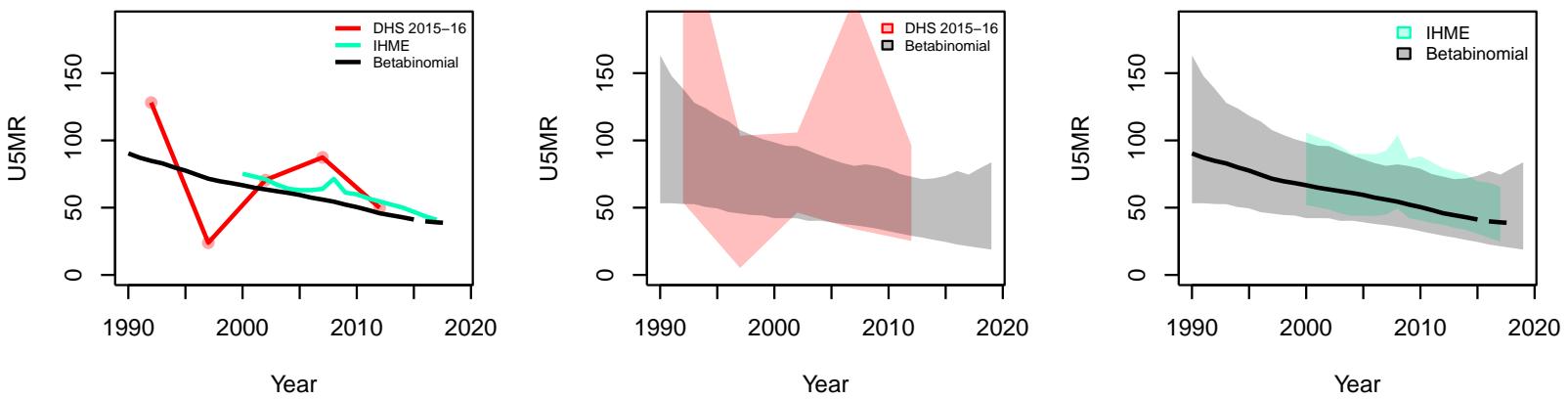
### Buthidaung, Rakhine



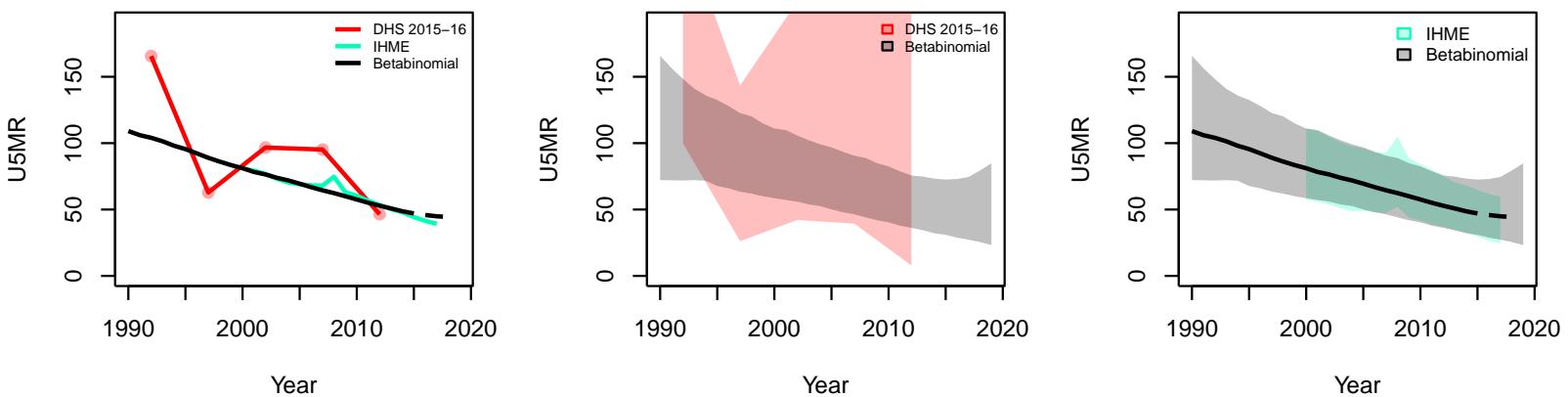
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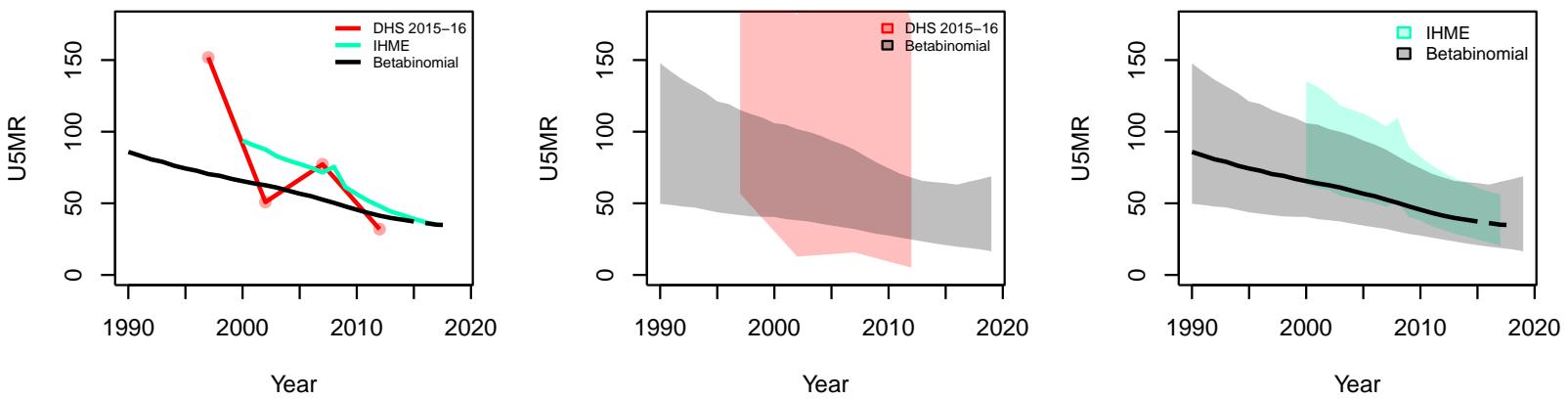
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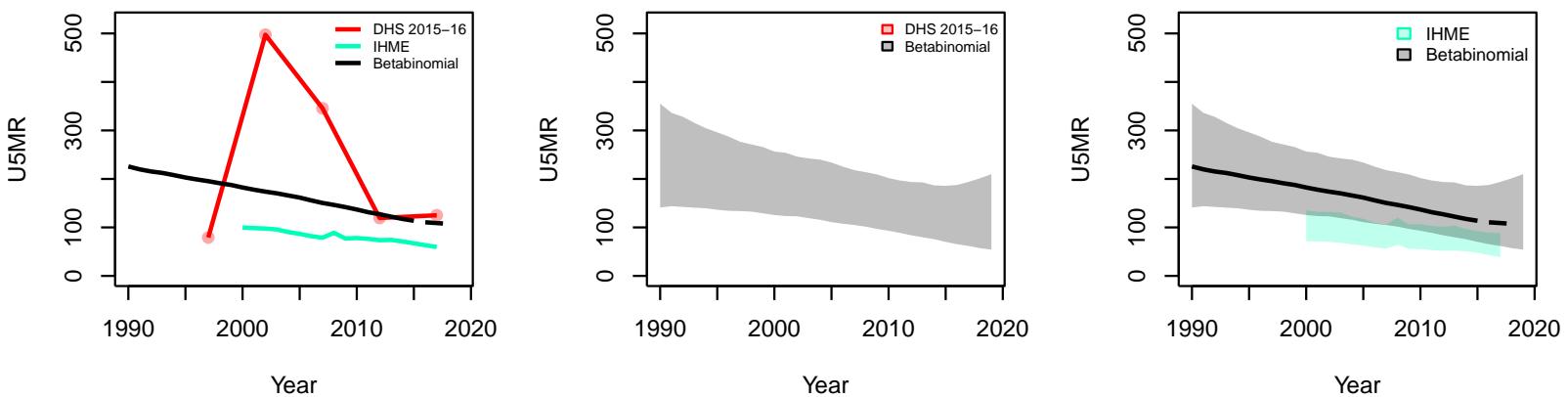
### Sittwe, Rakhine



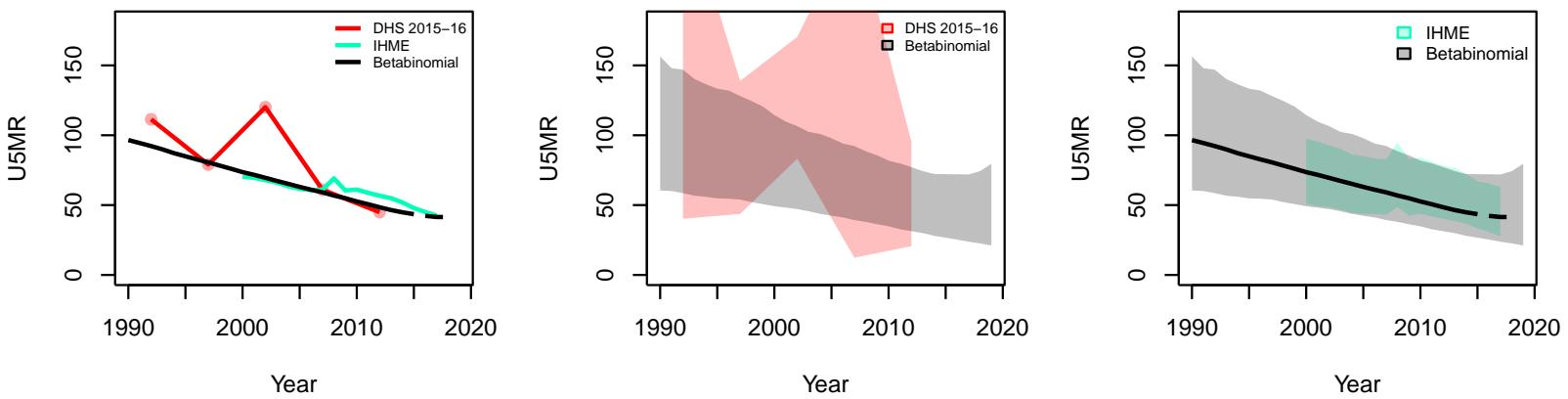
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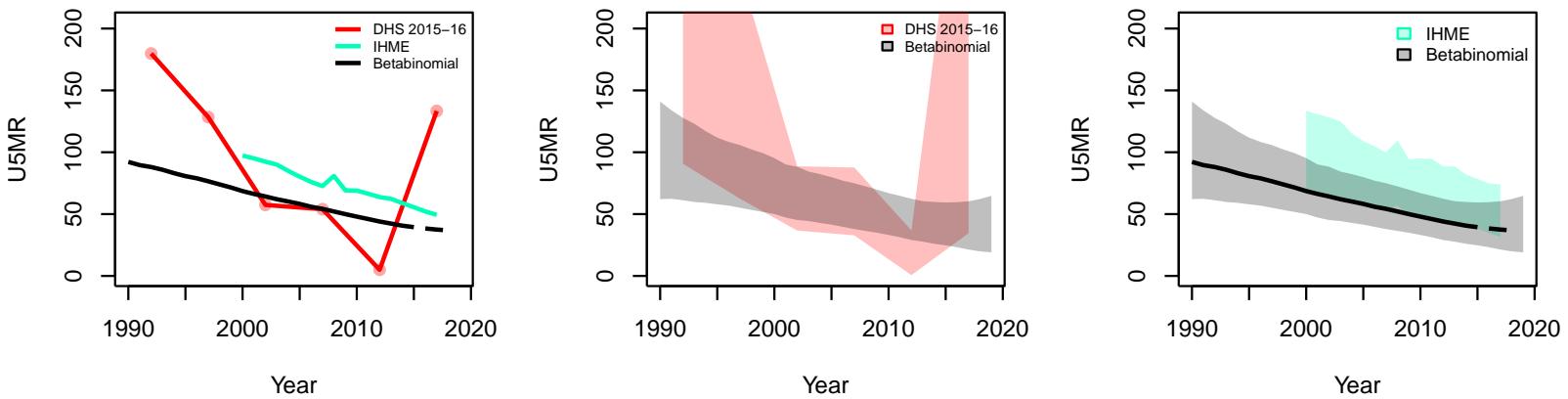
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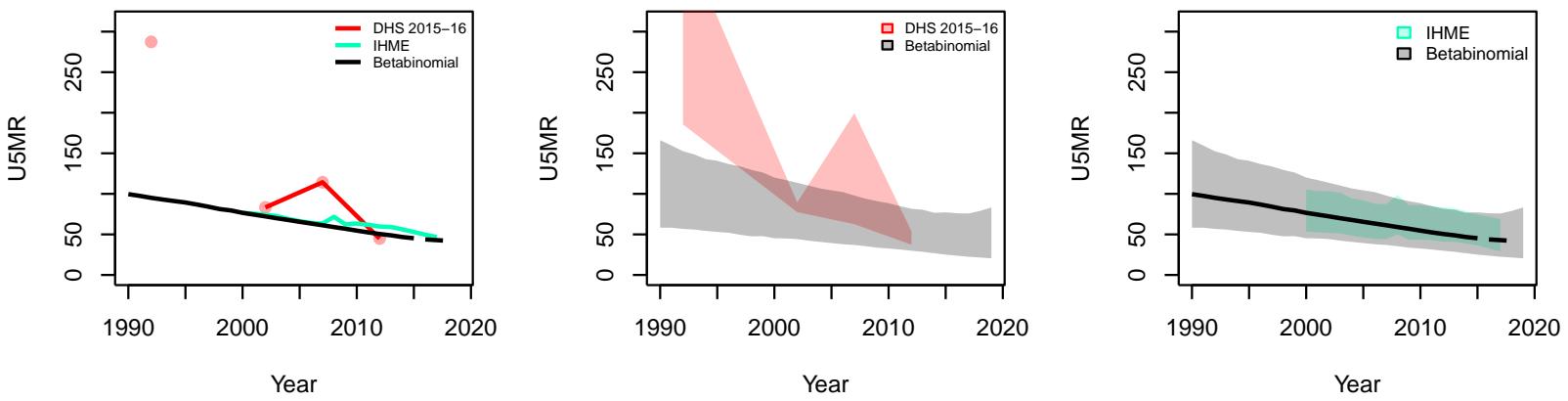
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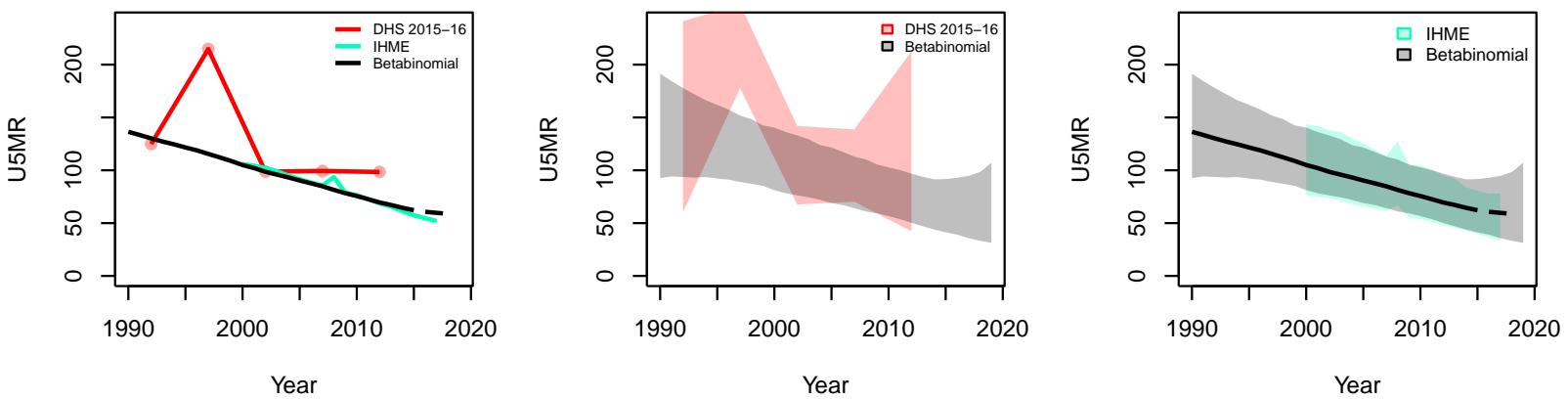
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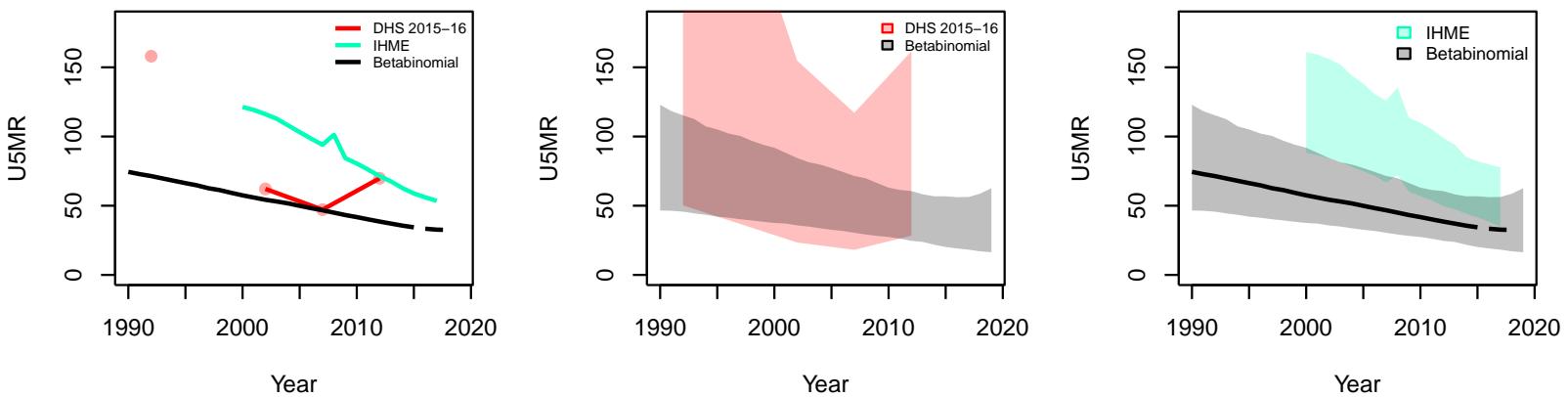
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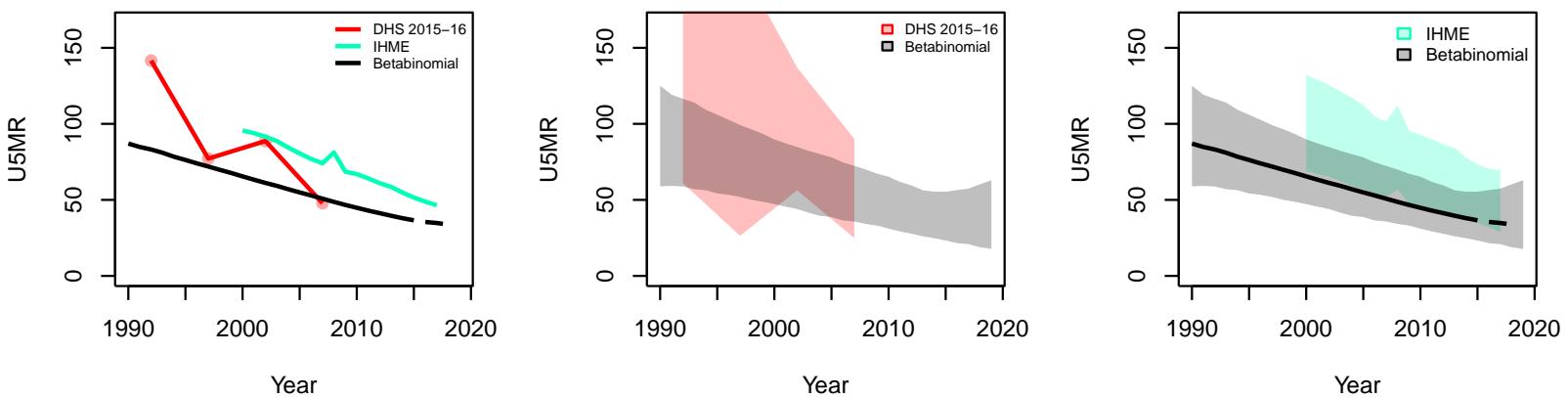
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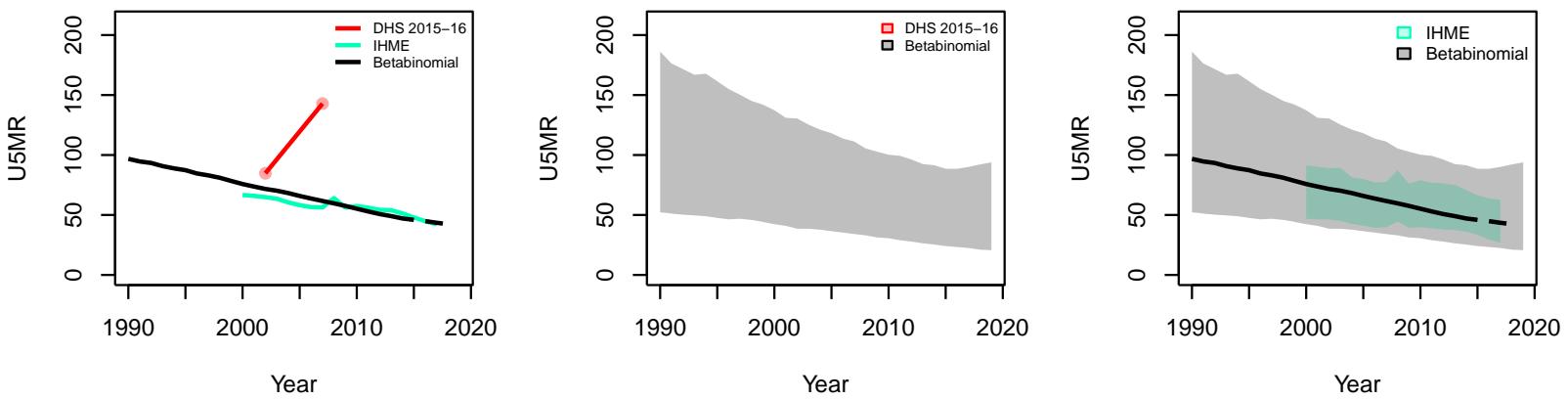
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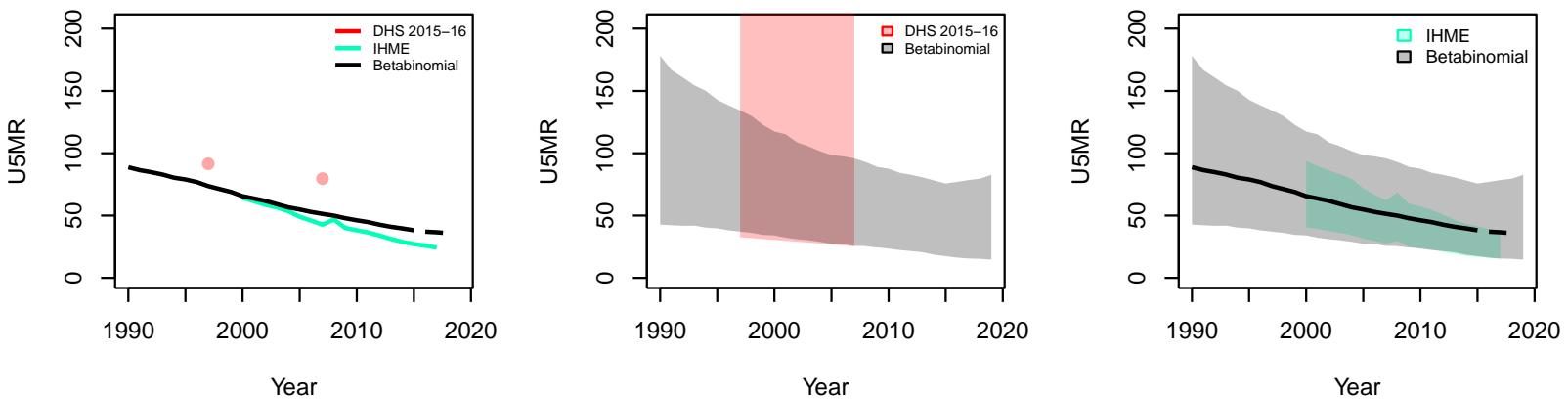
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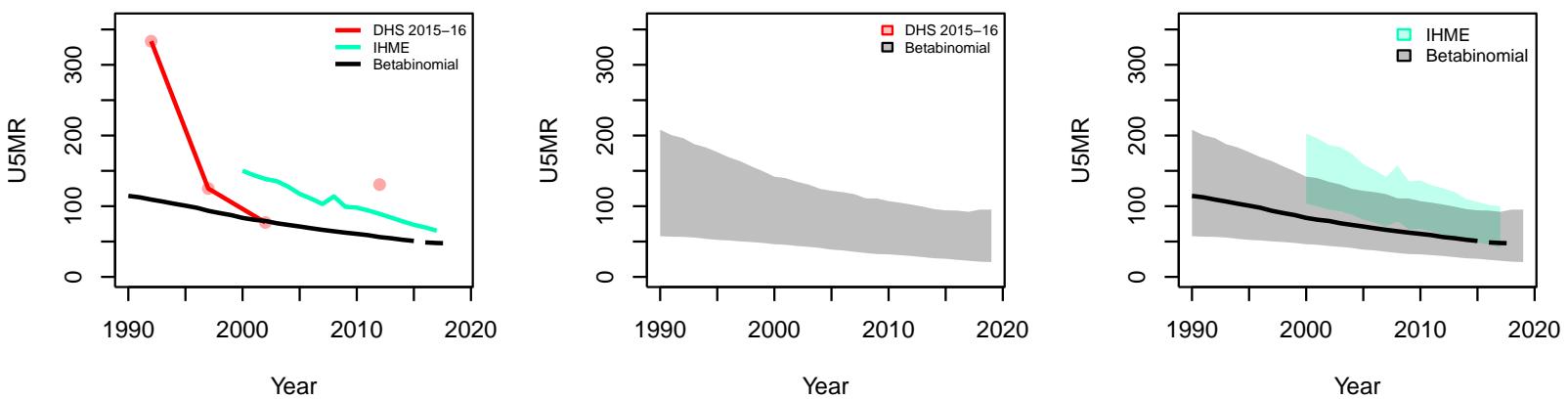
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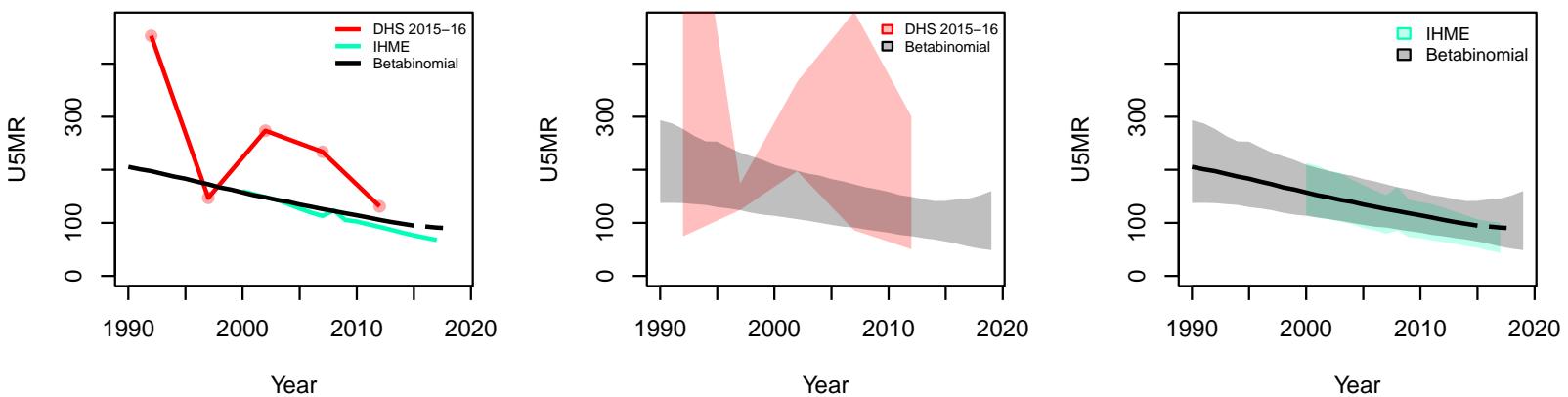
### Kengtung, Shan



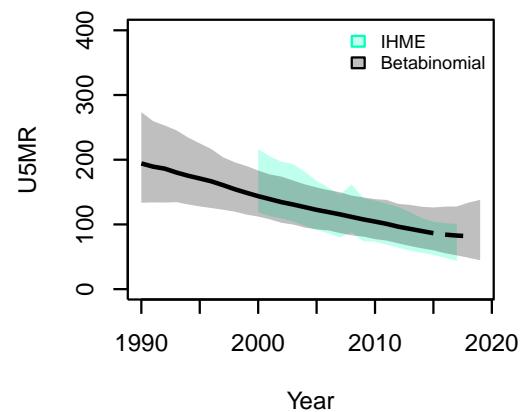
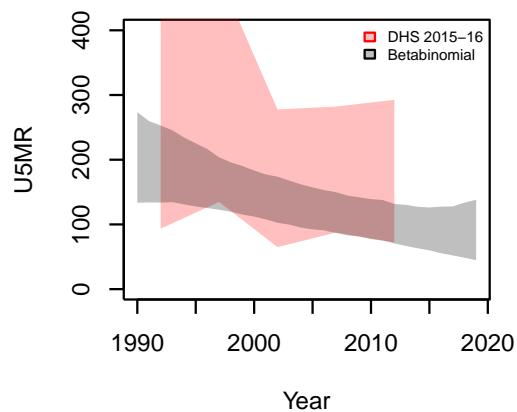
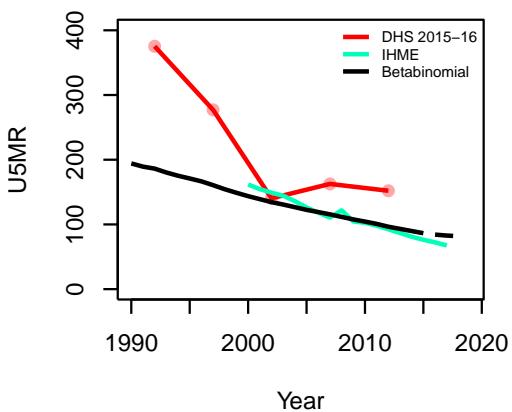
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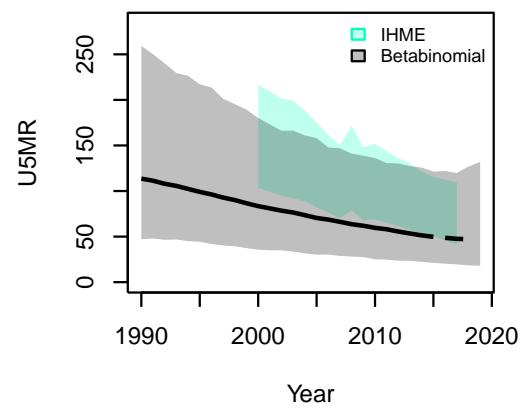
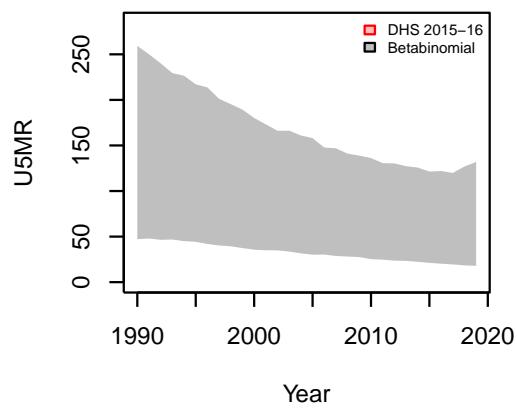
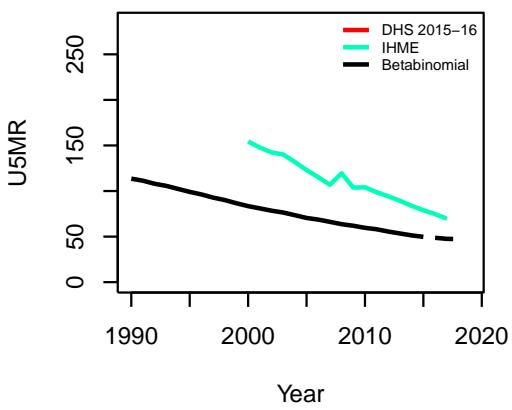
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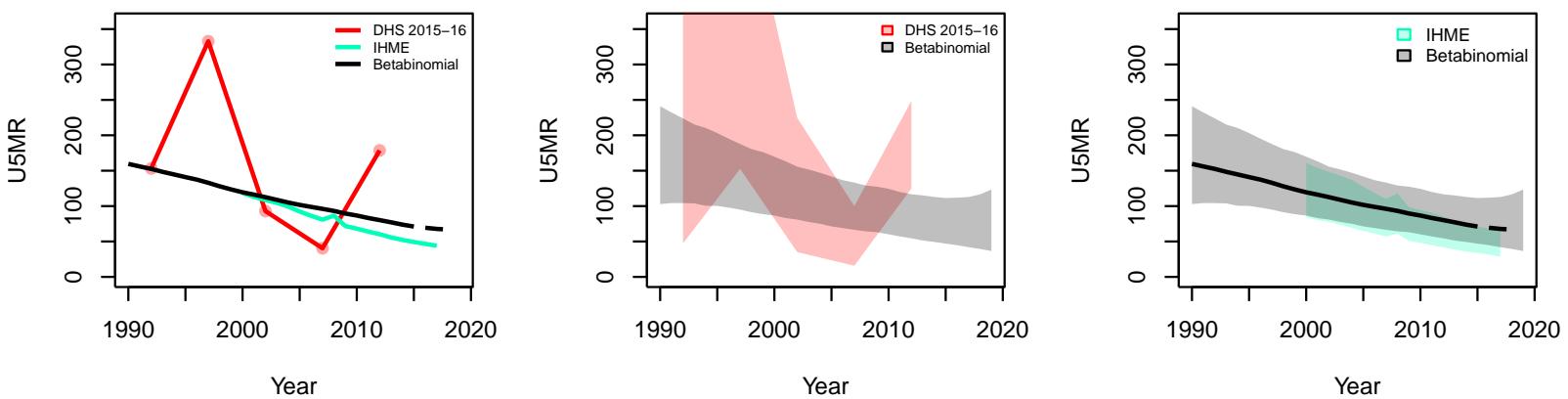
Lasho, Shan



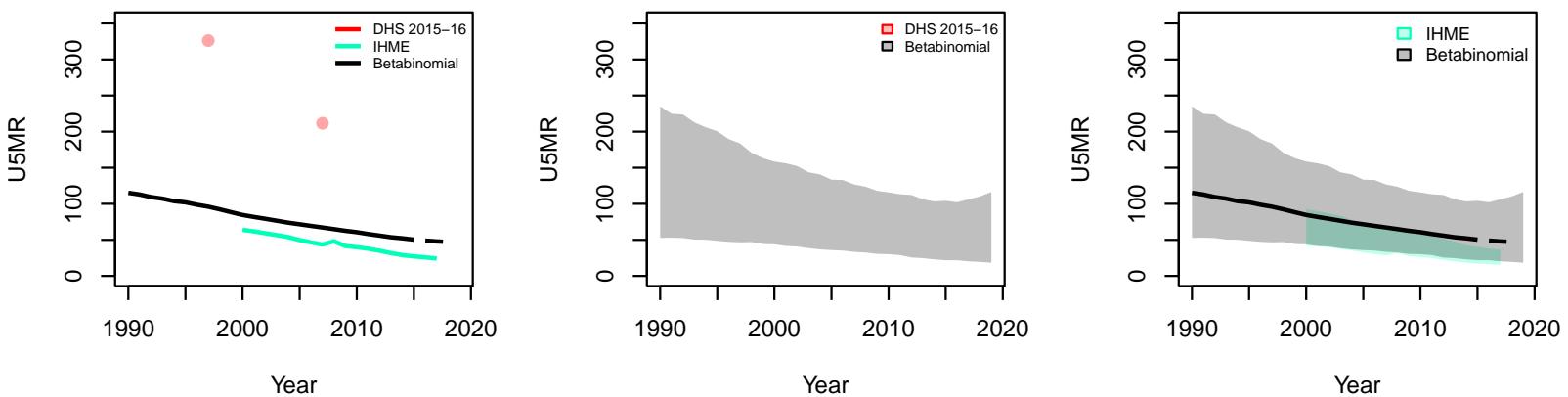
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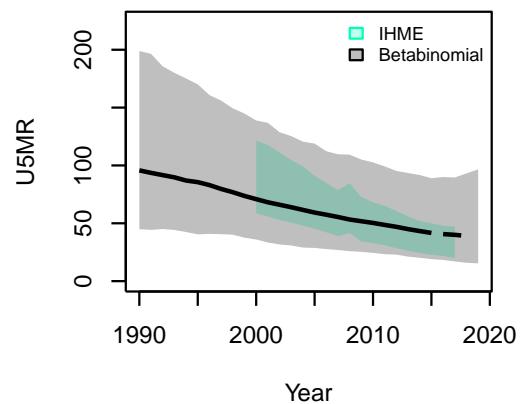
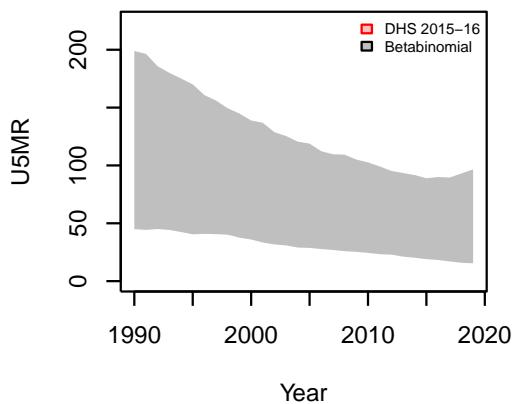
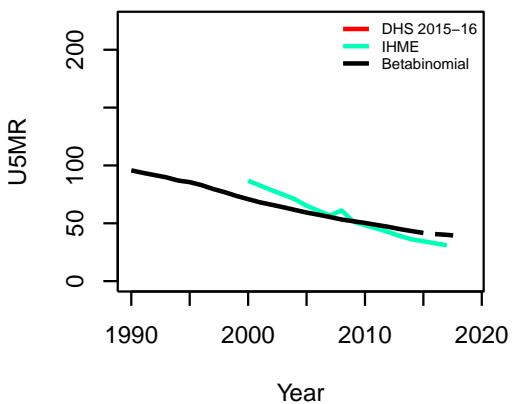
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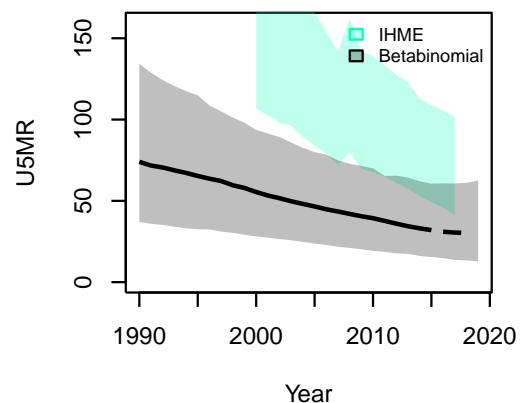
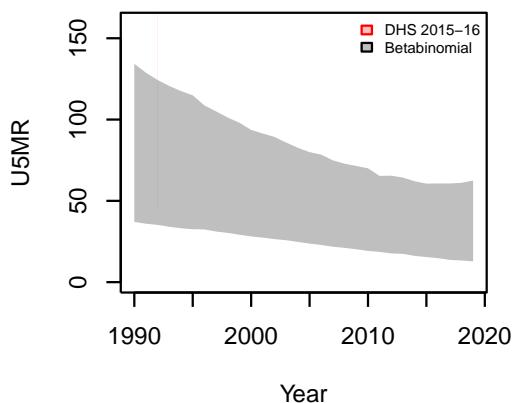
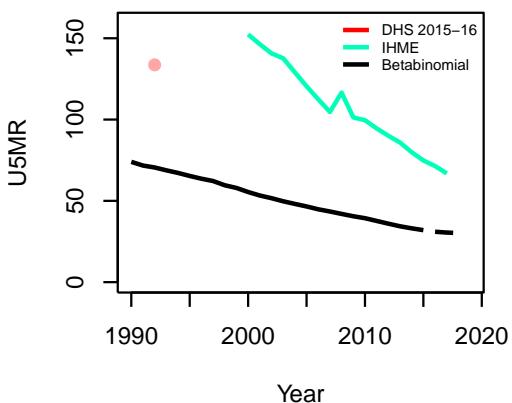
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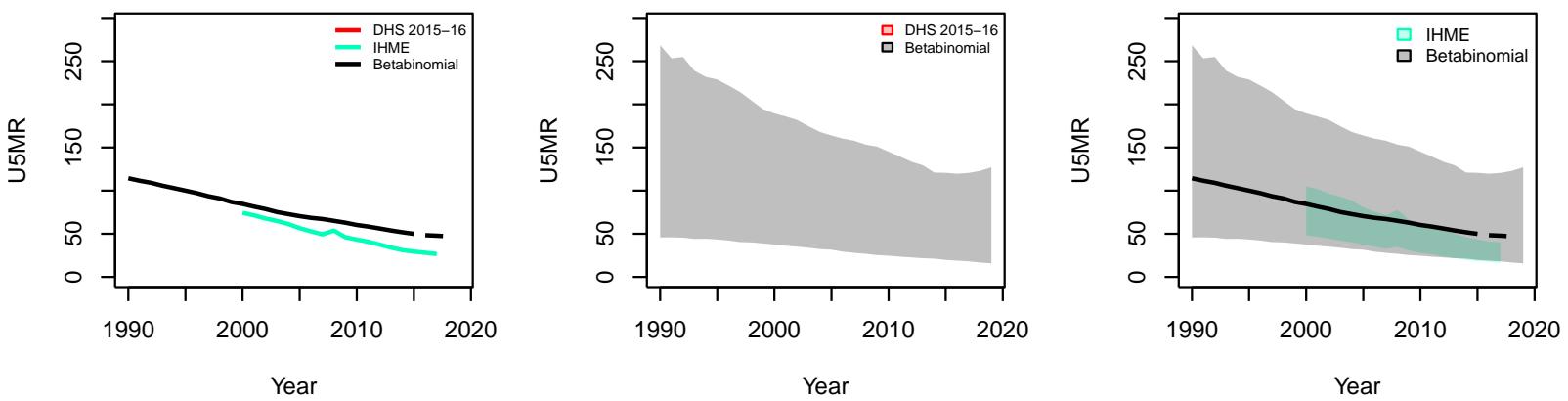
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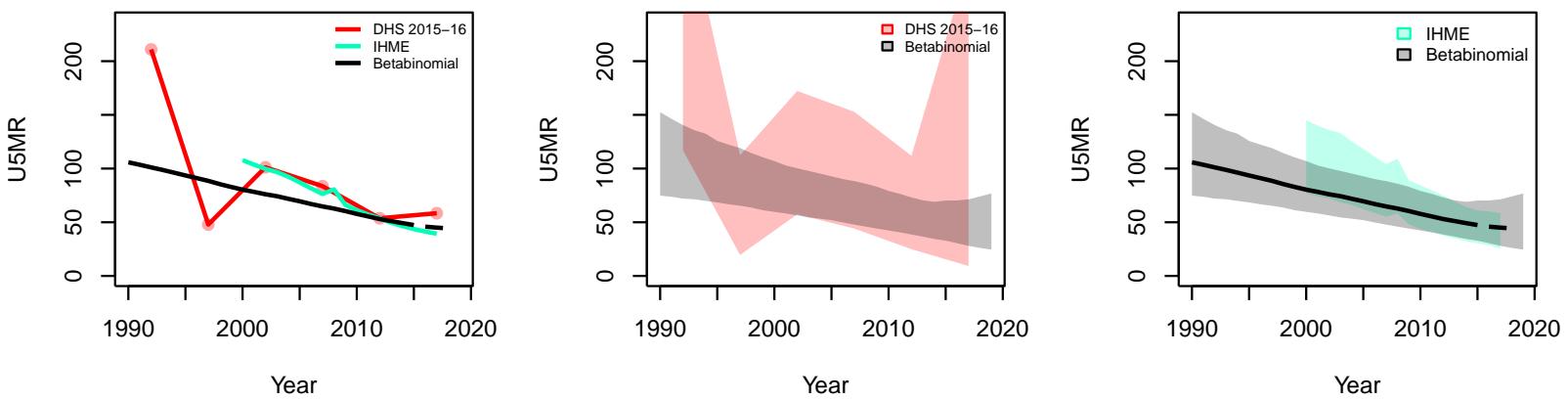
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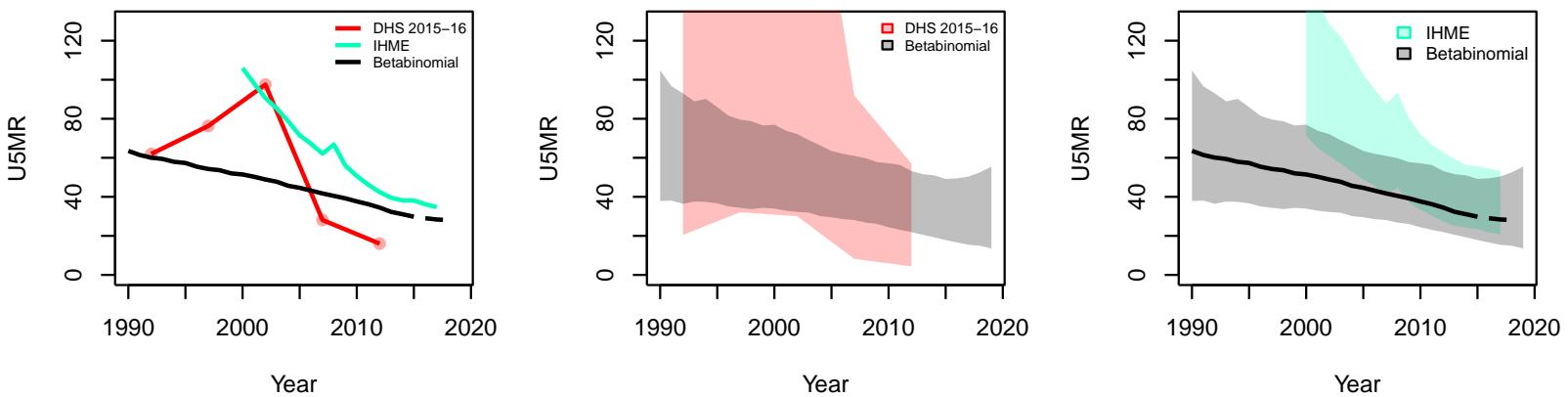
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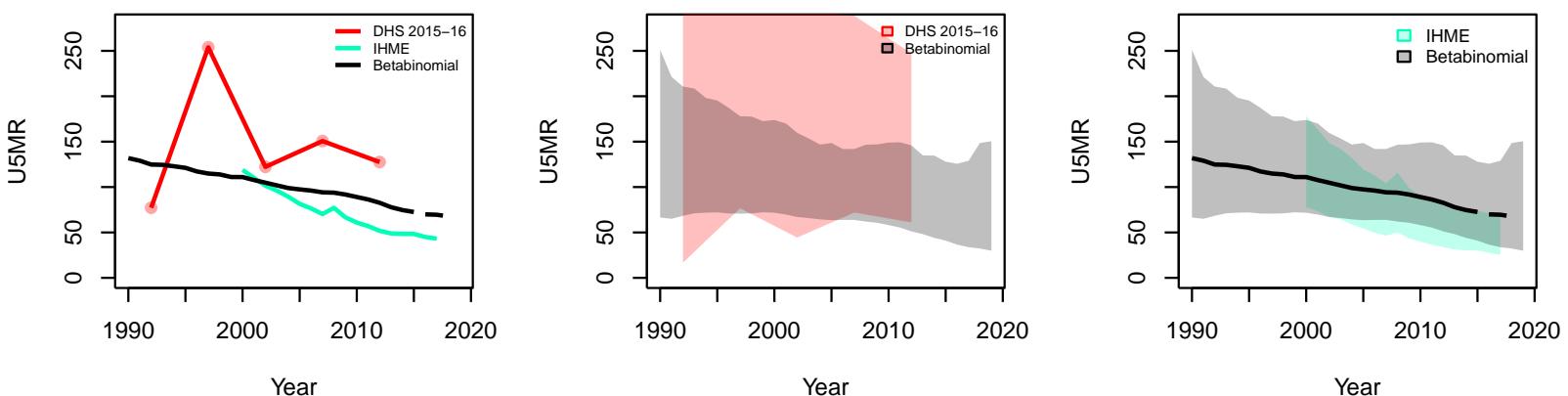
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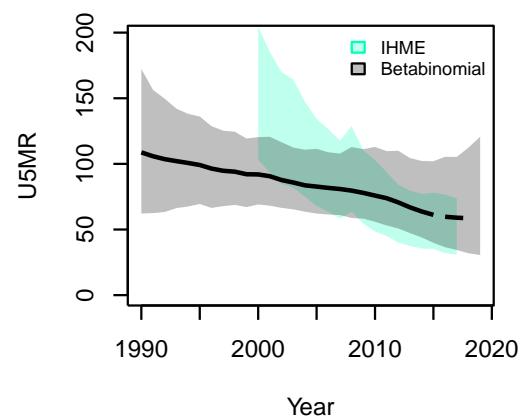
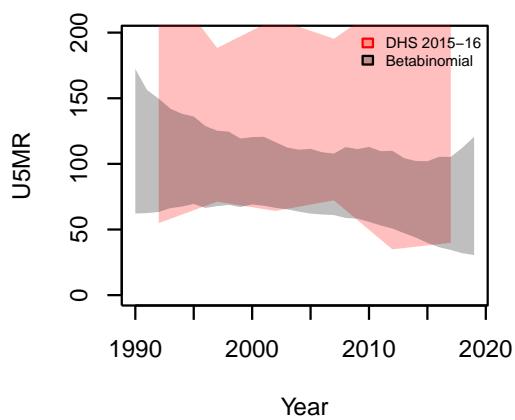
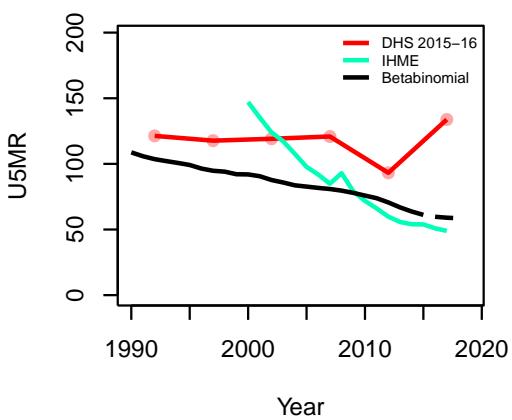
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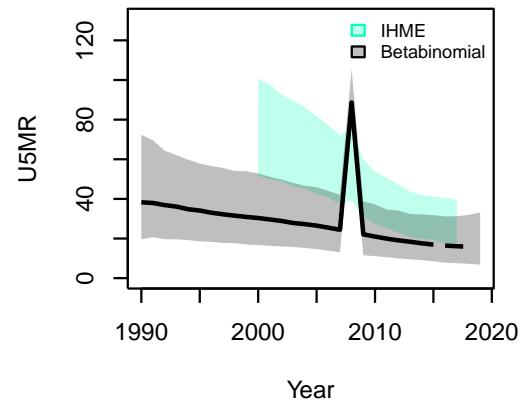
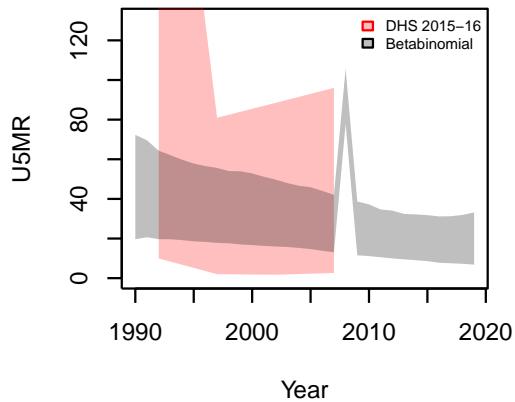
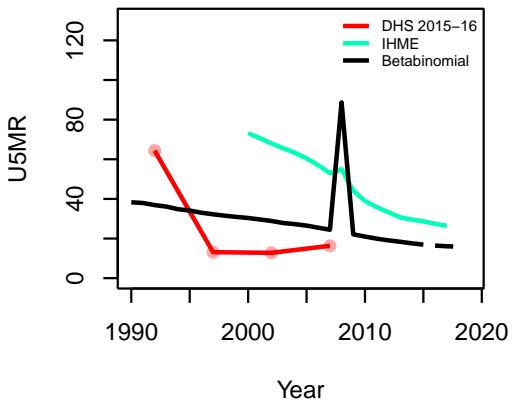
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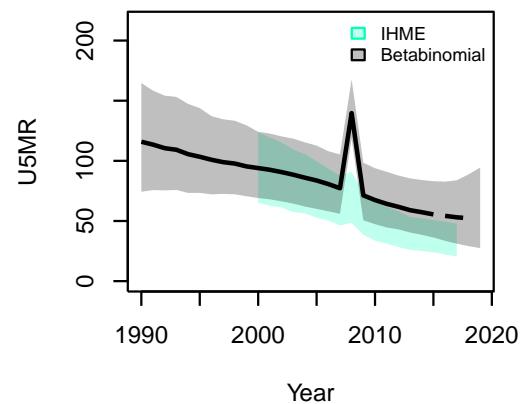
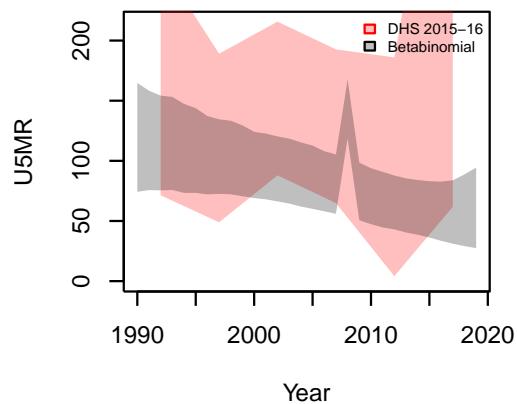
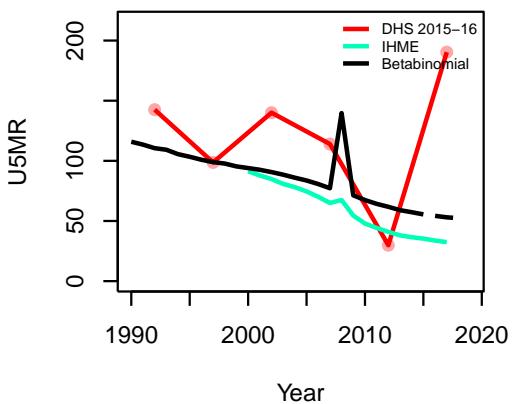
Mergui, Tanintharyi



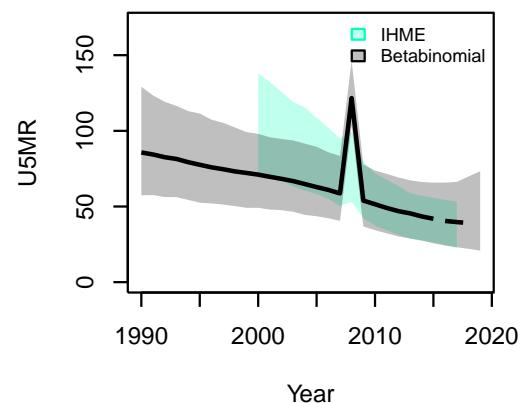
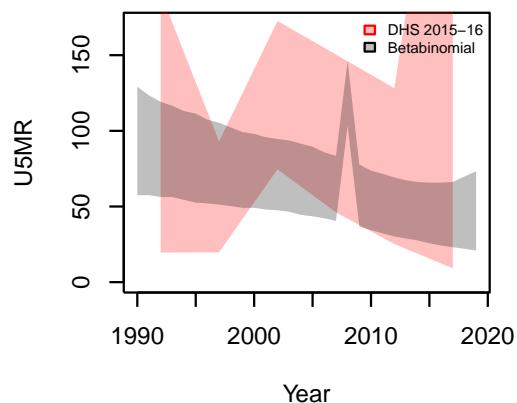
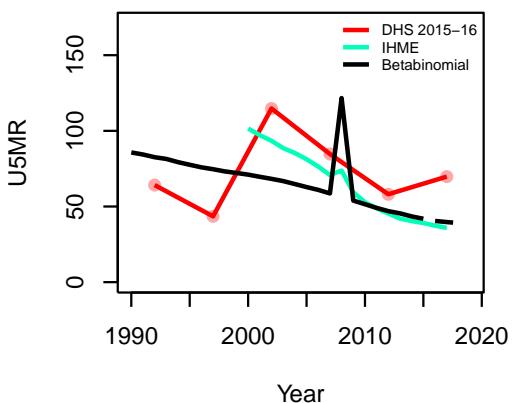
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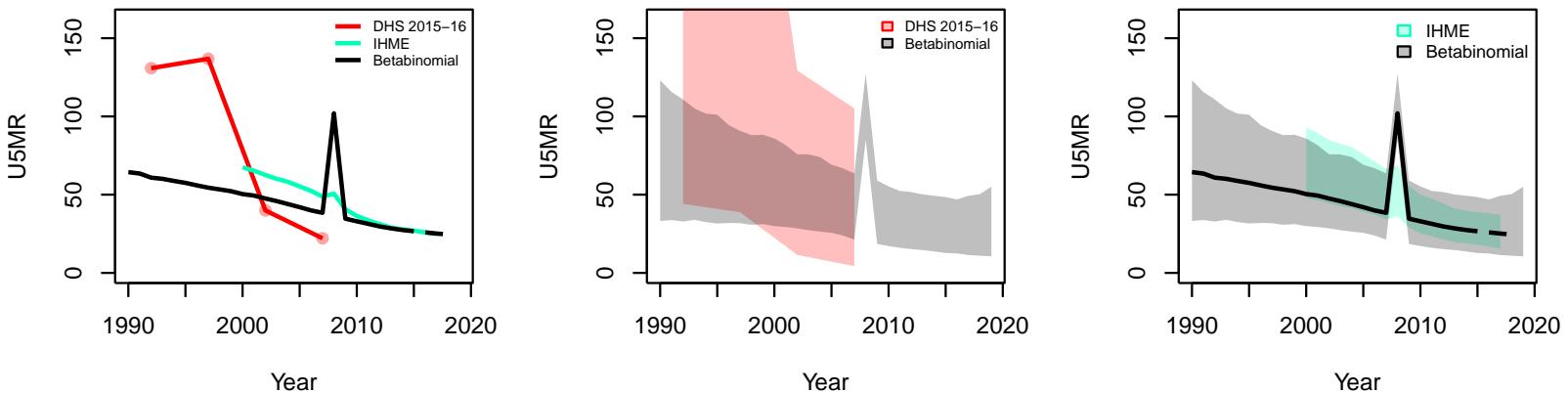
Yangon-N, Yangon



Yangon-S, Yangon



### Yangon-W, Yangon



## 4 National Figures and Results

	Median	Interval
0	35.30	(31.7,39)
1-11	2.70	(2.4,3.1)
12-23	0.60	(0.5,0.7)
24-35	0.40	(0.3,0.5)
36-47	0.40	(0.4,0.6)
48-59	0.20	(0.2,0.3)

Table 3: Monthly hazards in terms of 1000 children by age band for national, unstratified model for Myanmar.

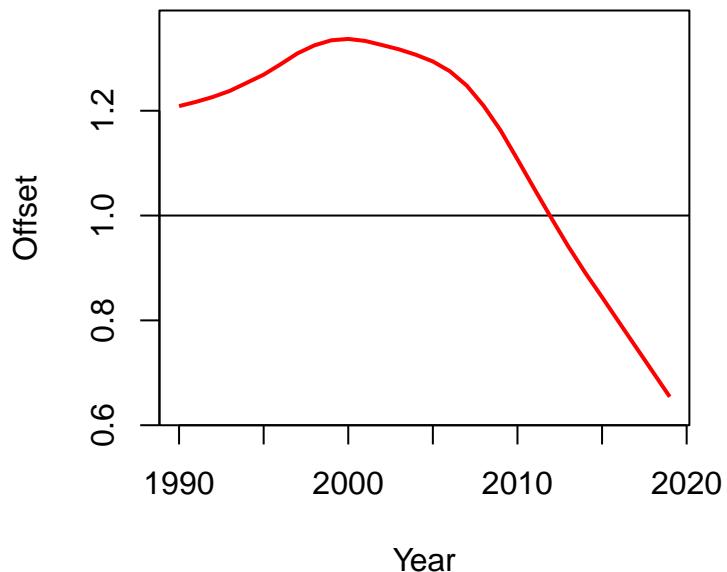


Figure 7: Benchmark offsets:  $BENCH(t) = U5MR^*(t)/U5MR(t)$  where  $U5MR^*(t)$  is modeled estimate and  $U5MR(t)$  is UN-IGME estimate.

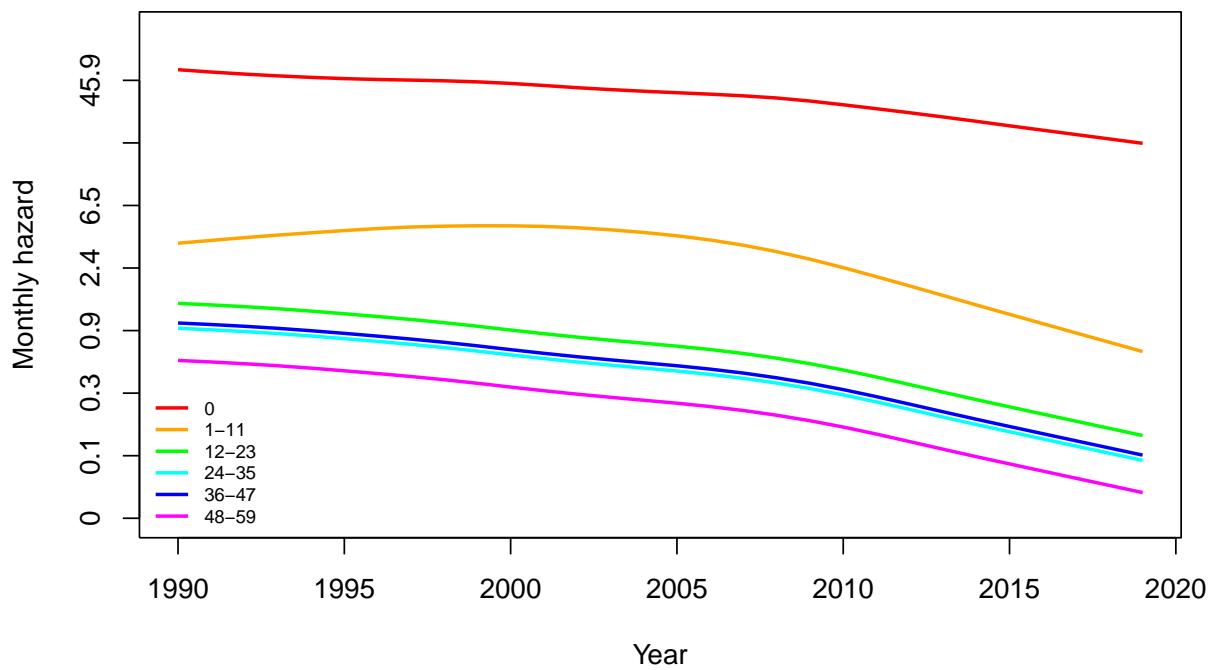


Figure 8: Monthly hazards of death in terms of U5MR (number deaths per 1000 children) by agebands.

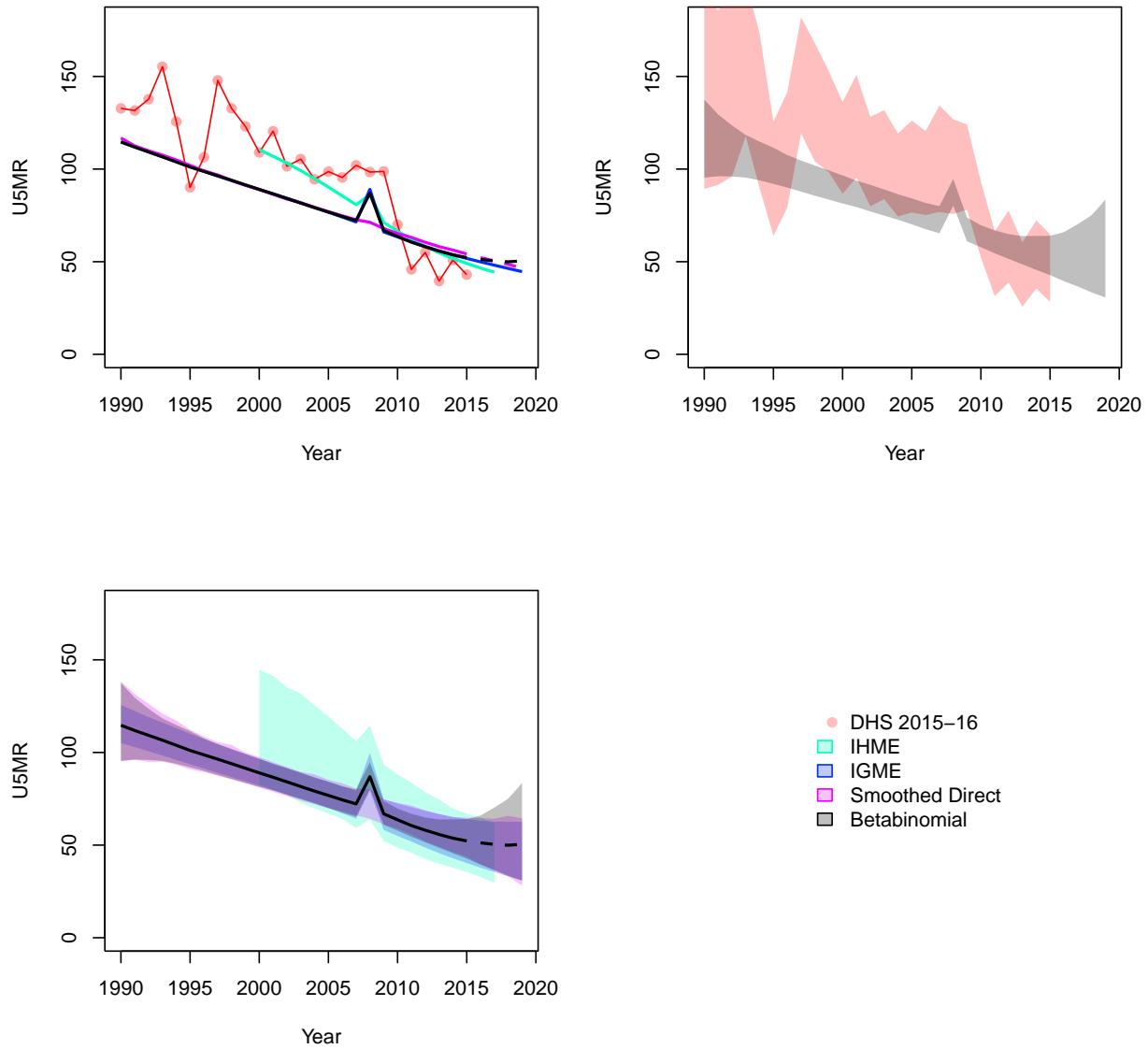
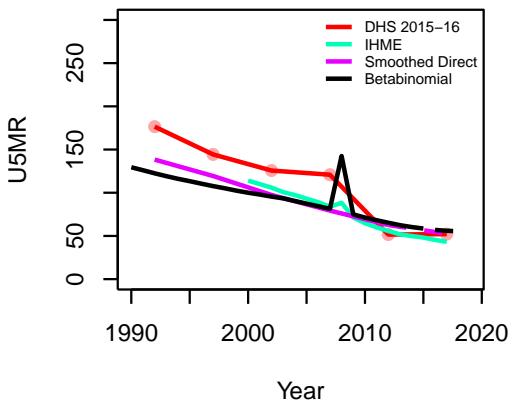


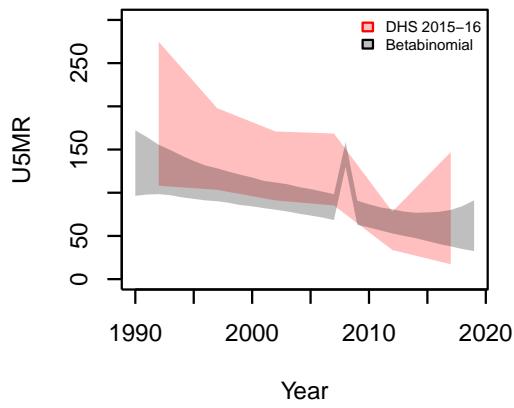
Figure 9: Benchmarked U5MR rates per 1000 live births. Top: DHS direct estimates with national trends from IHME GBD, UN-IGME, Smoothed Direct and Betabinomial estimates. Middle: 95% uncertainty intervals for DHS data. Bottom: IHME GBD, UN-IGME, Smoothed Direct and Betabinomial estimates with for the unstratified model. 95% uncertainty intervals

## 5 Admin 1 Figures

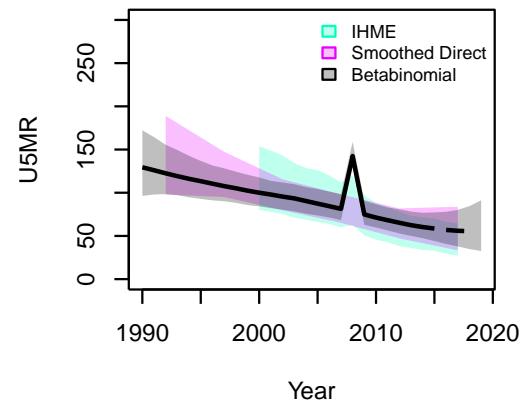
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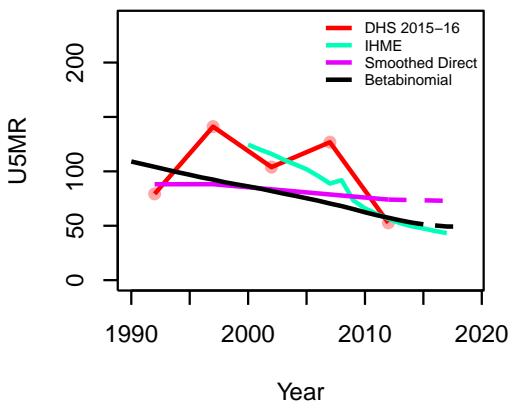
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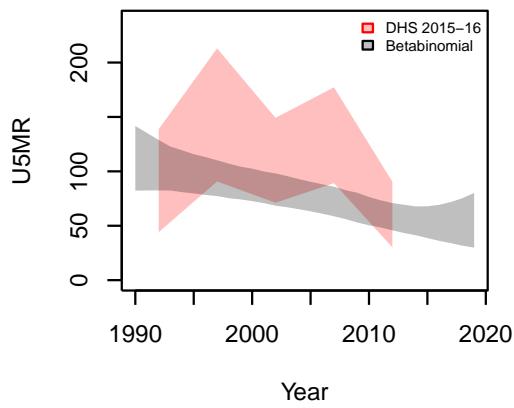
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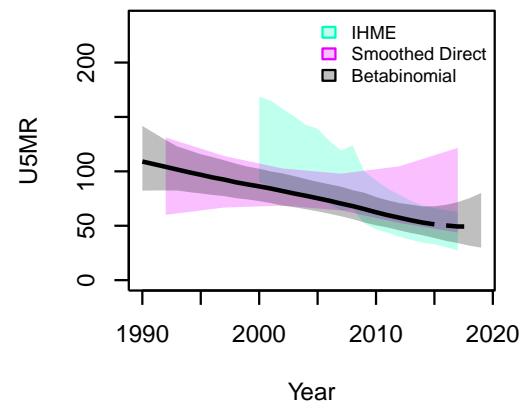
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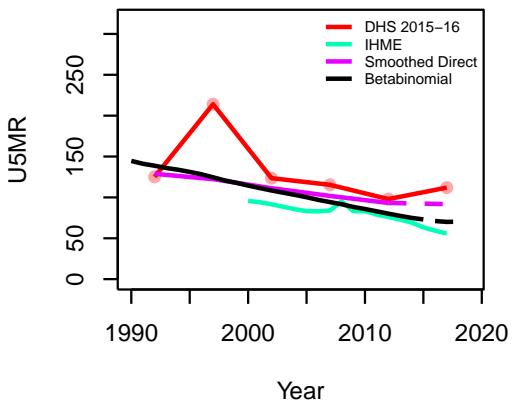
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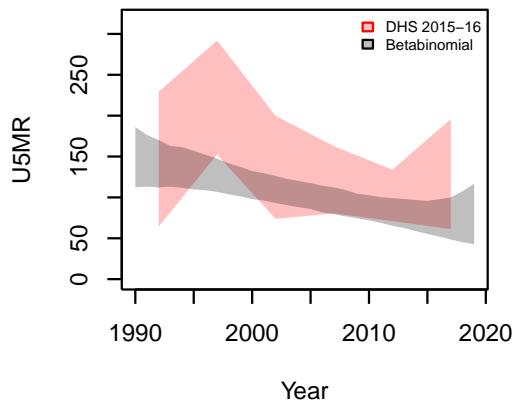
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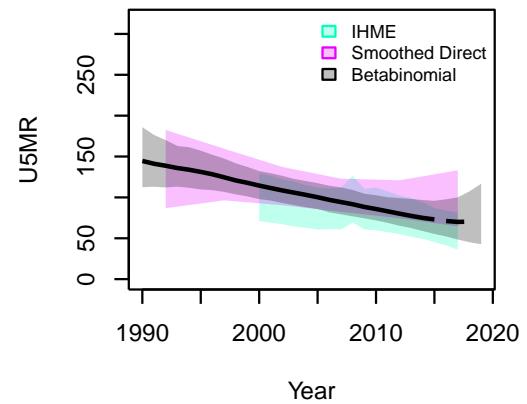
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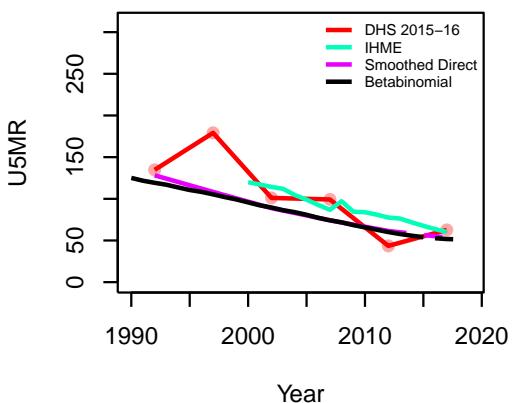
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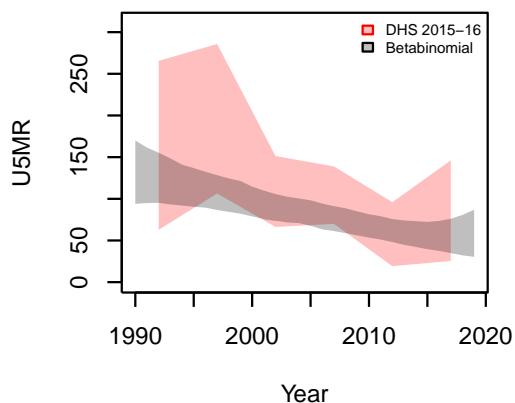
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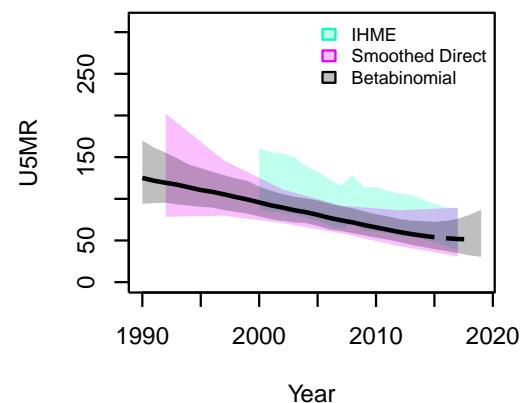
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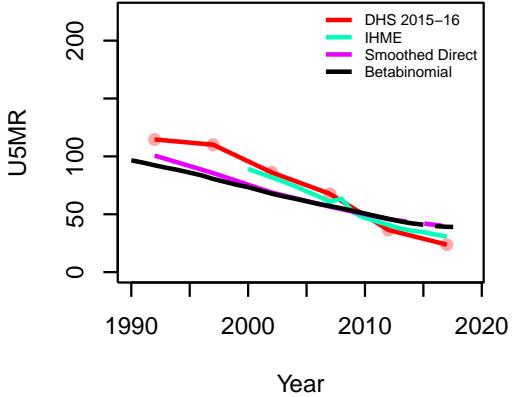
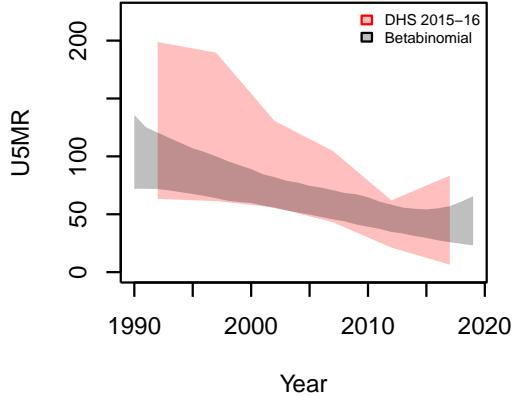
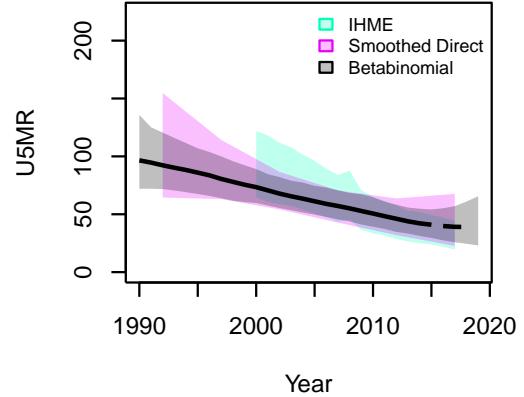
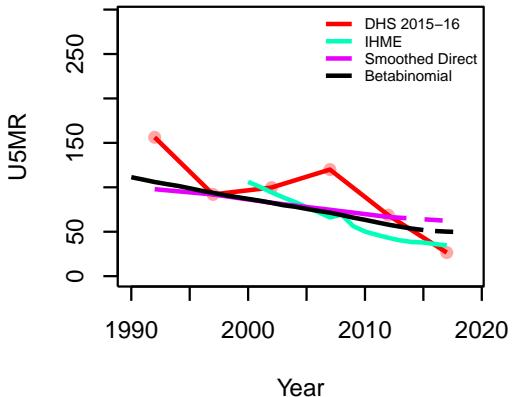
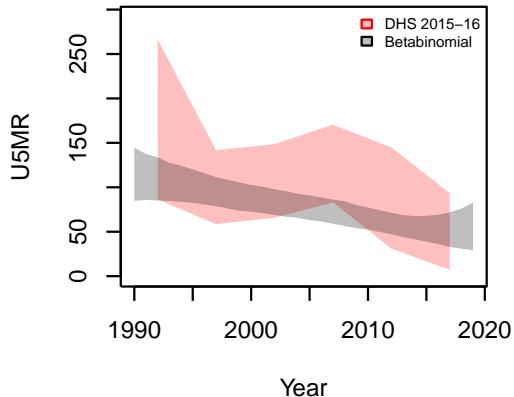
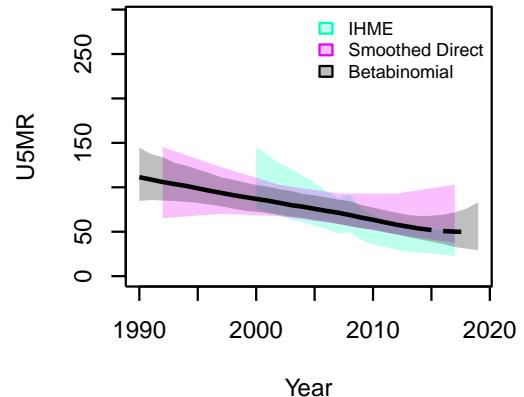


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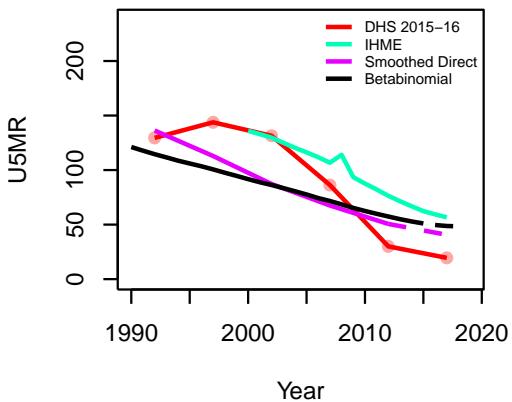


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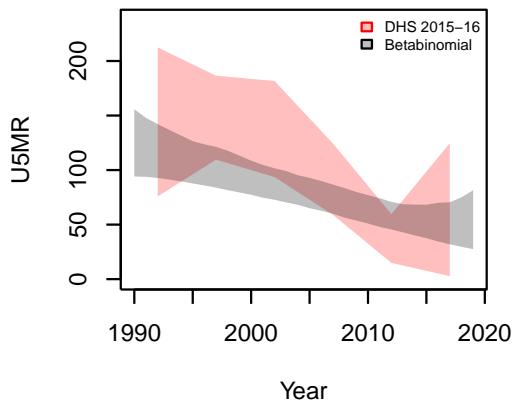


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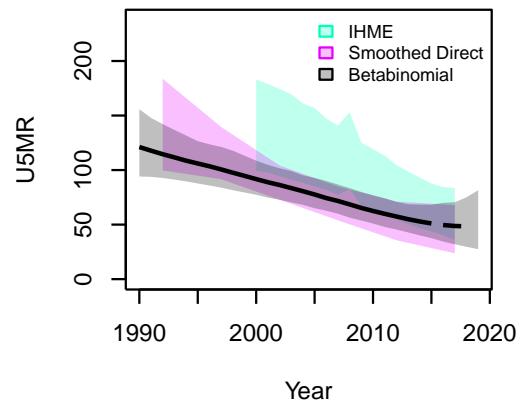
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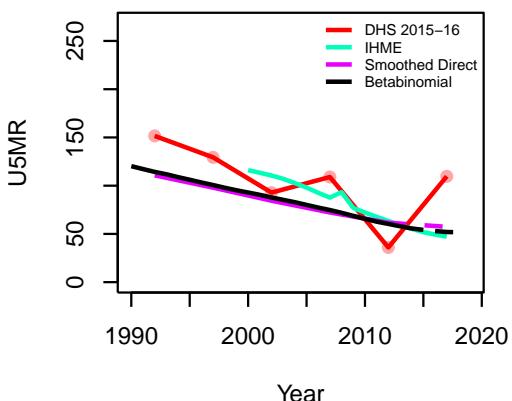
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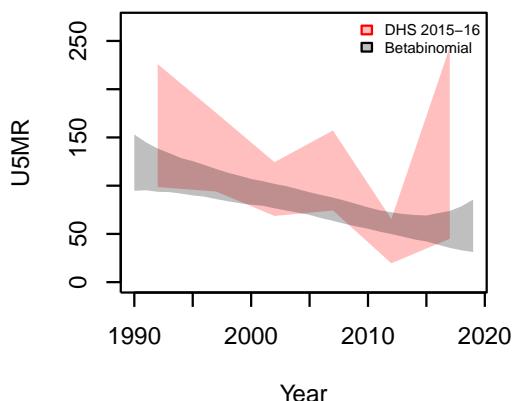
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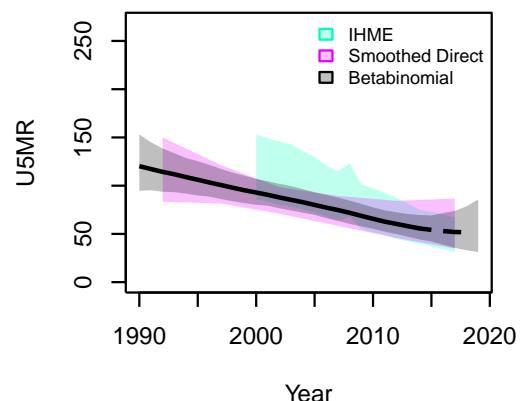
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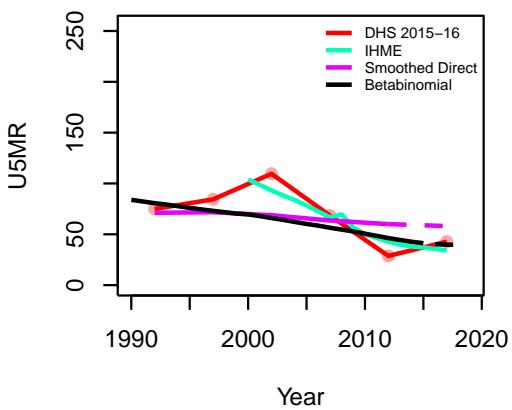
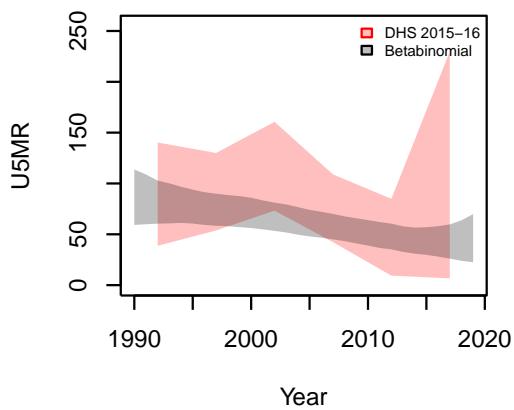
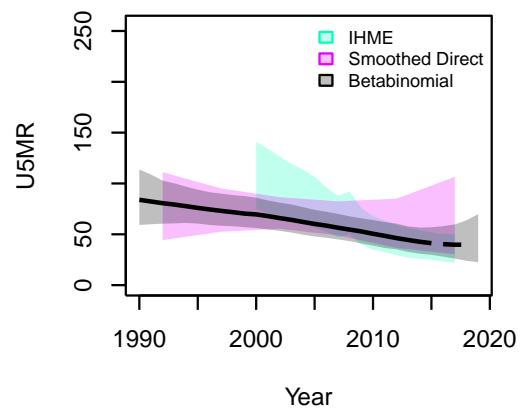
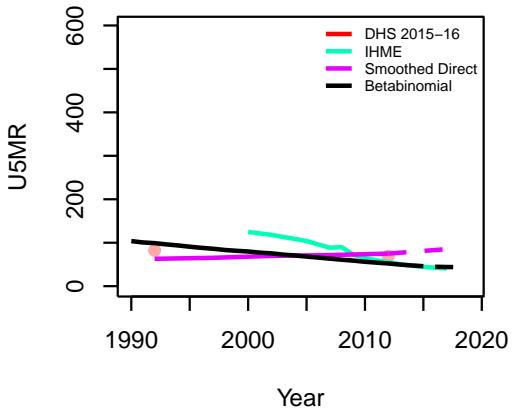
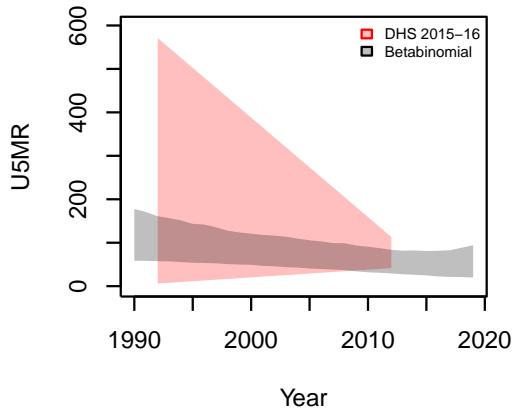
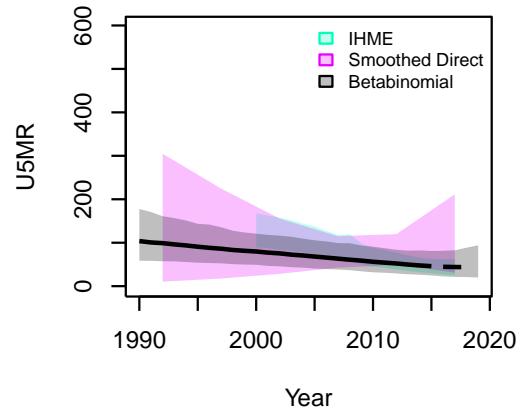


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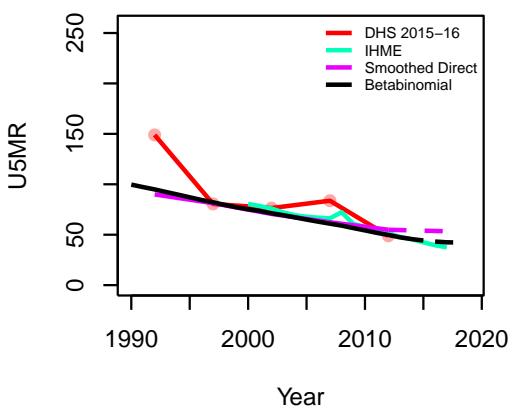


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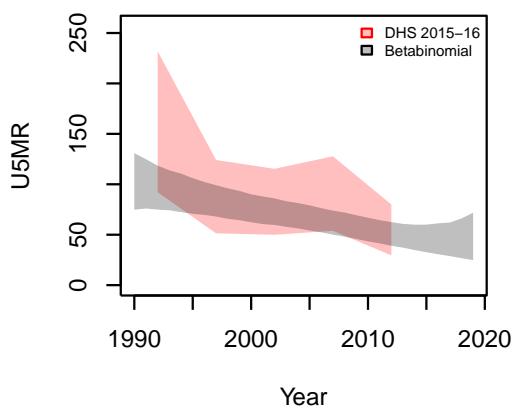


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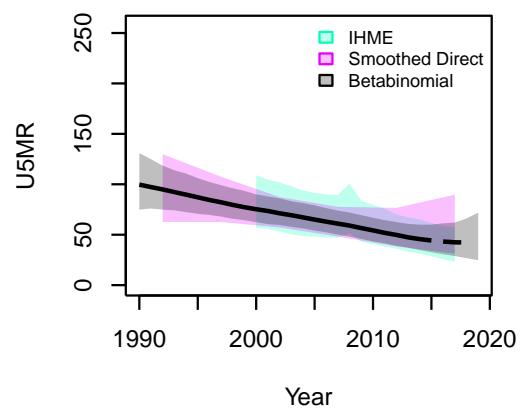
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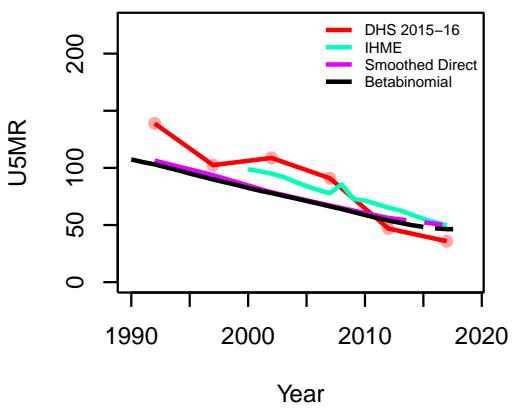
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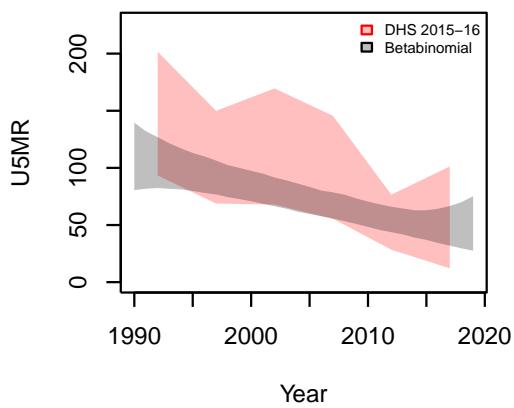
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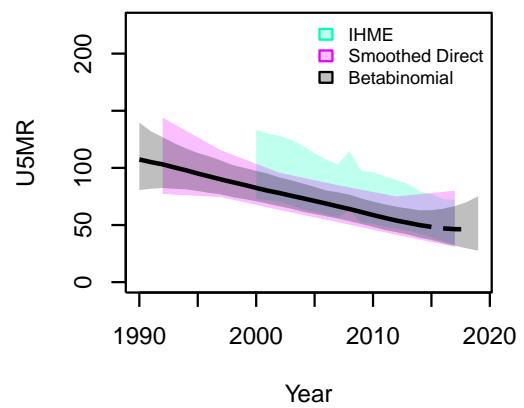
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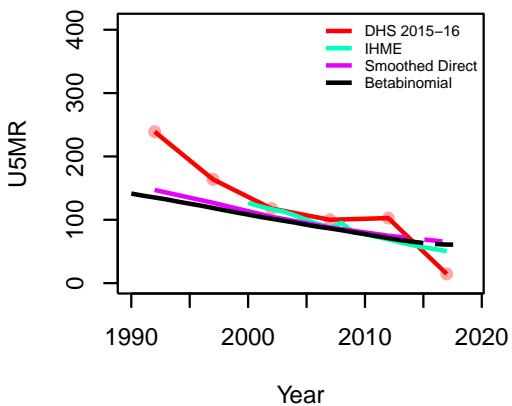
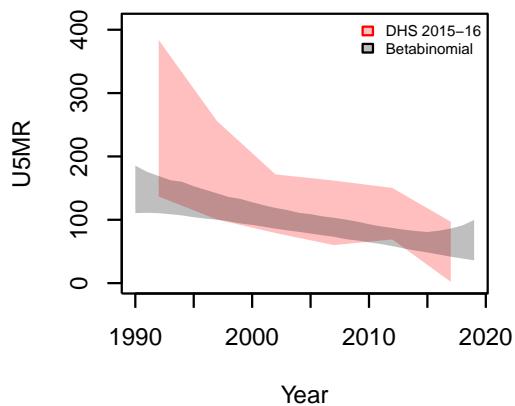
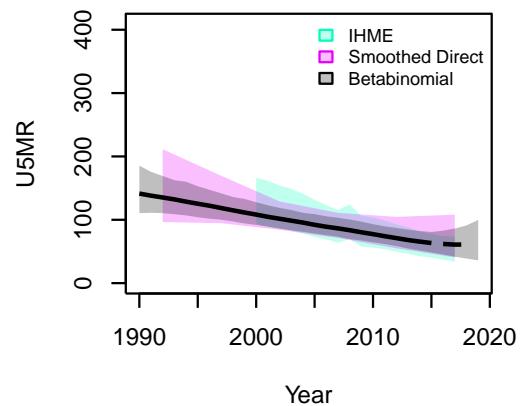
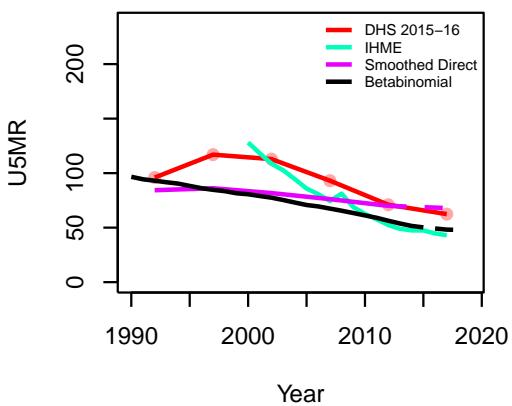
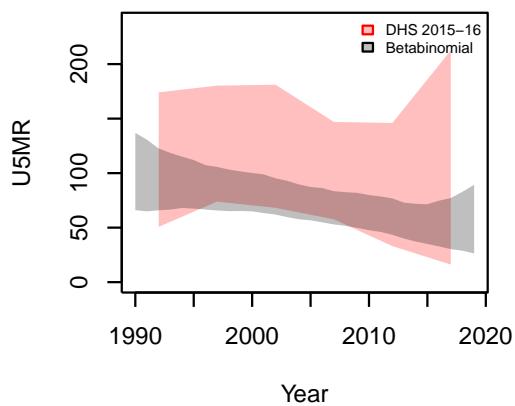
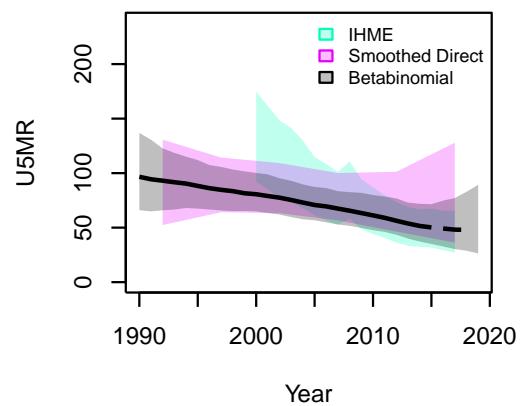


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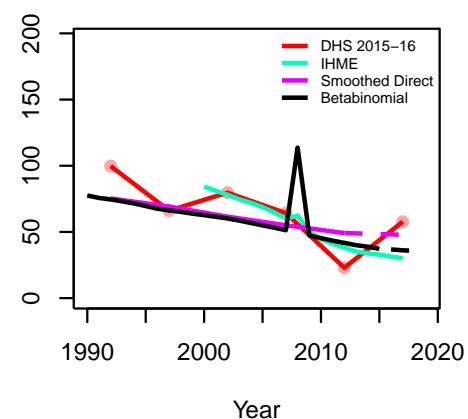


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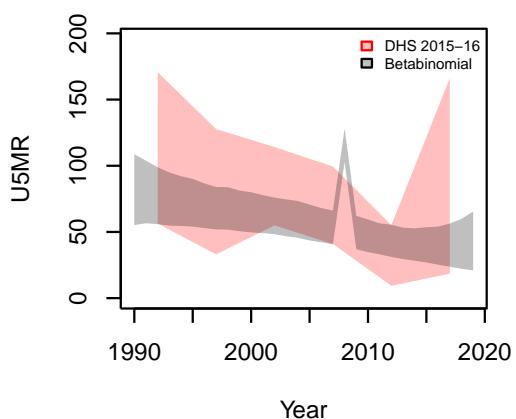


**Shan****Shan****Shan****Tanintharyi****Tanintharyi****Tanintharyi**

**Yangon**



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