

Country Summary: Togo

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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.

Togo has 5 Admin 1 areas and 21 Admin 2 areas.

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



2

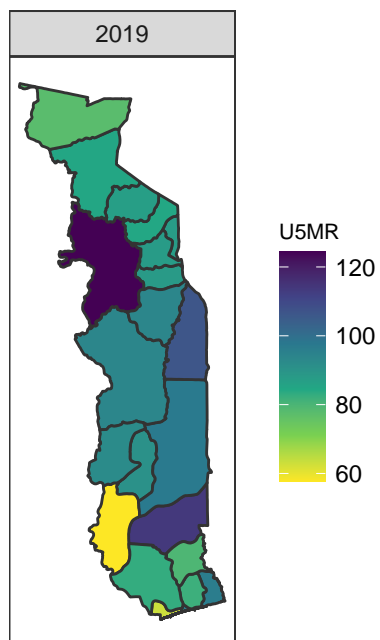


Figure 2: Median estimates of U5MR (deaths per 1000 children) in 2019.

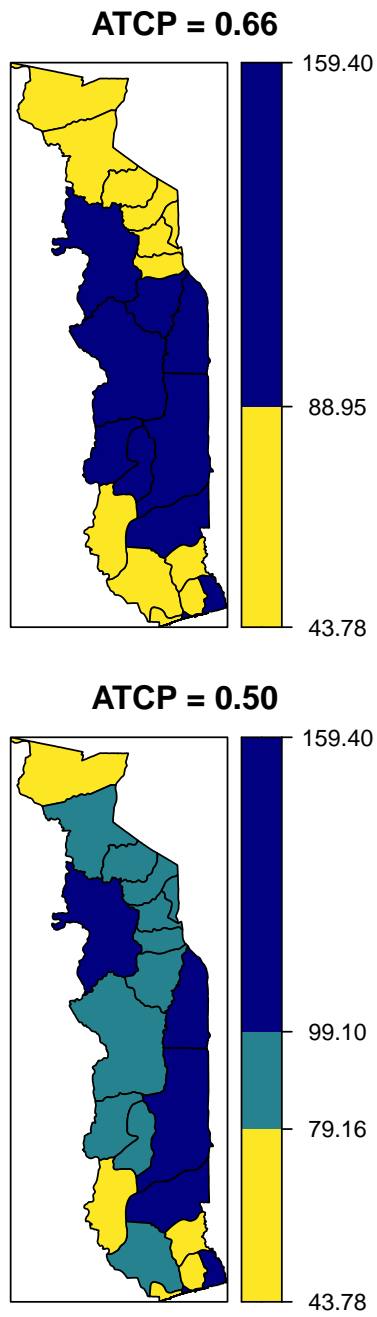


Figure 3: Expression of uncertainty of U5MR (deaths per 1000 children) based on the average true classification probability (ATCP) in 2019.

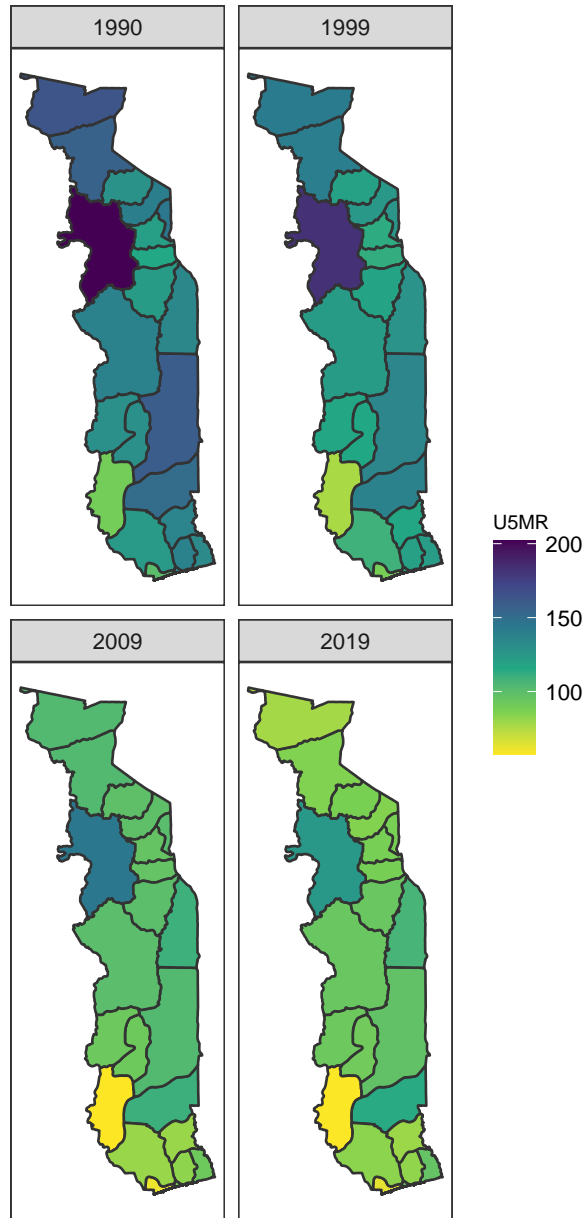
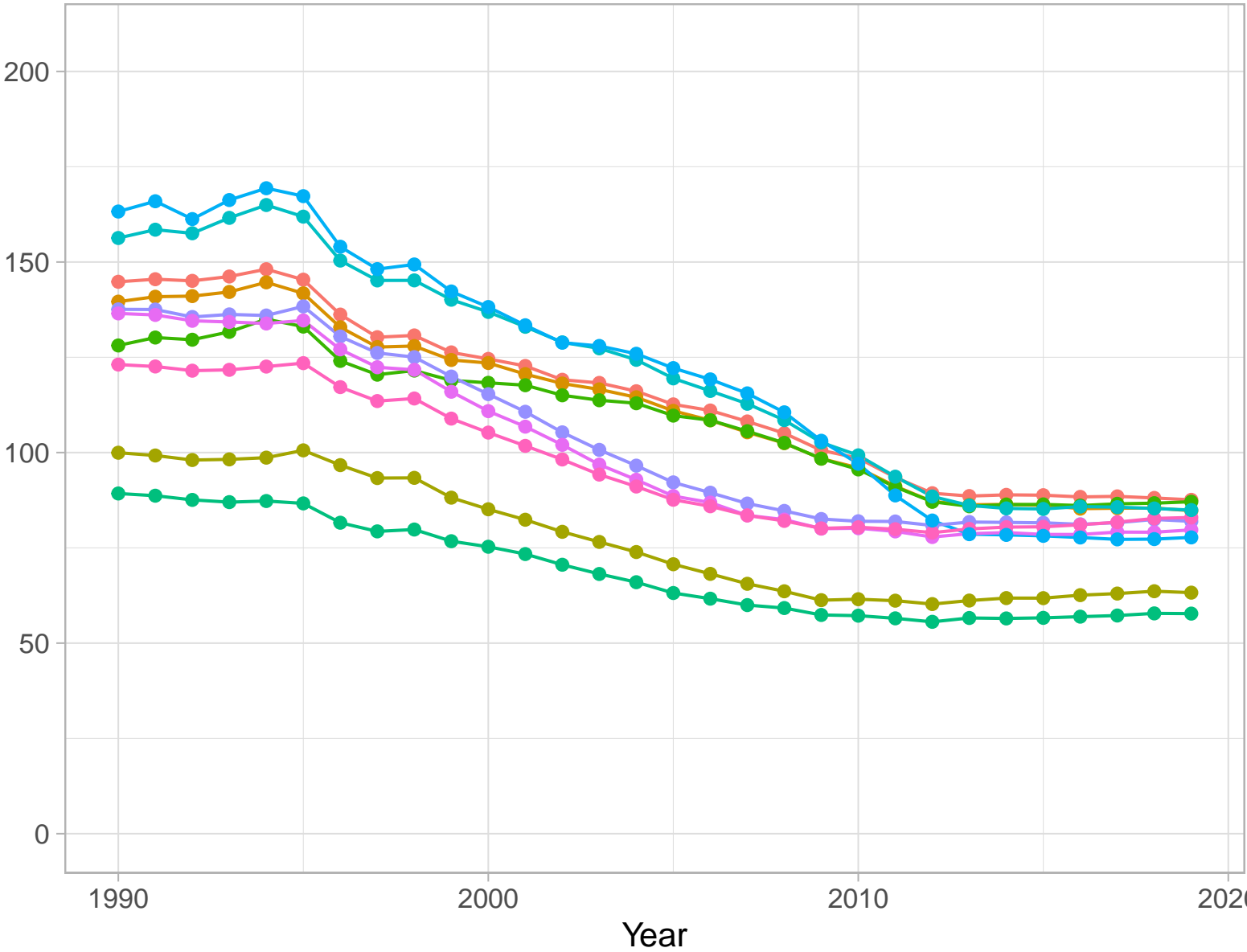


Figure 4: Median estimates for selected years.

Togo

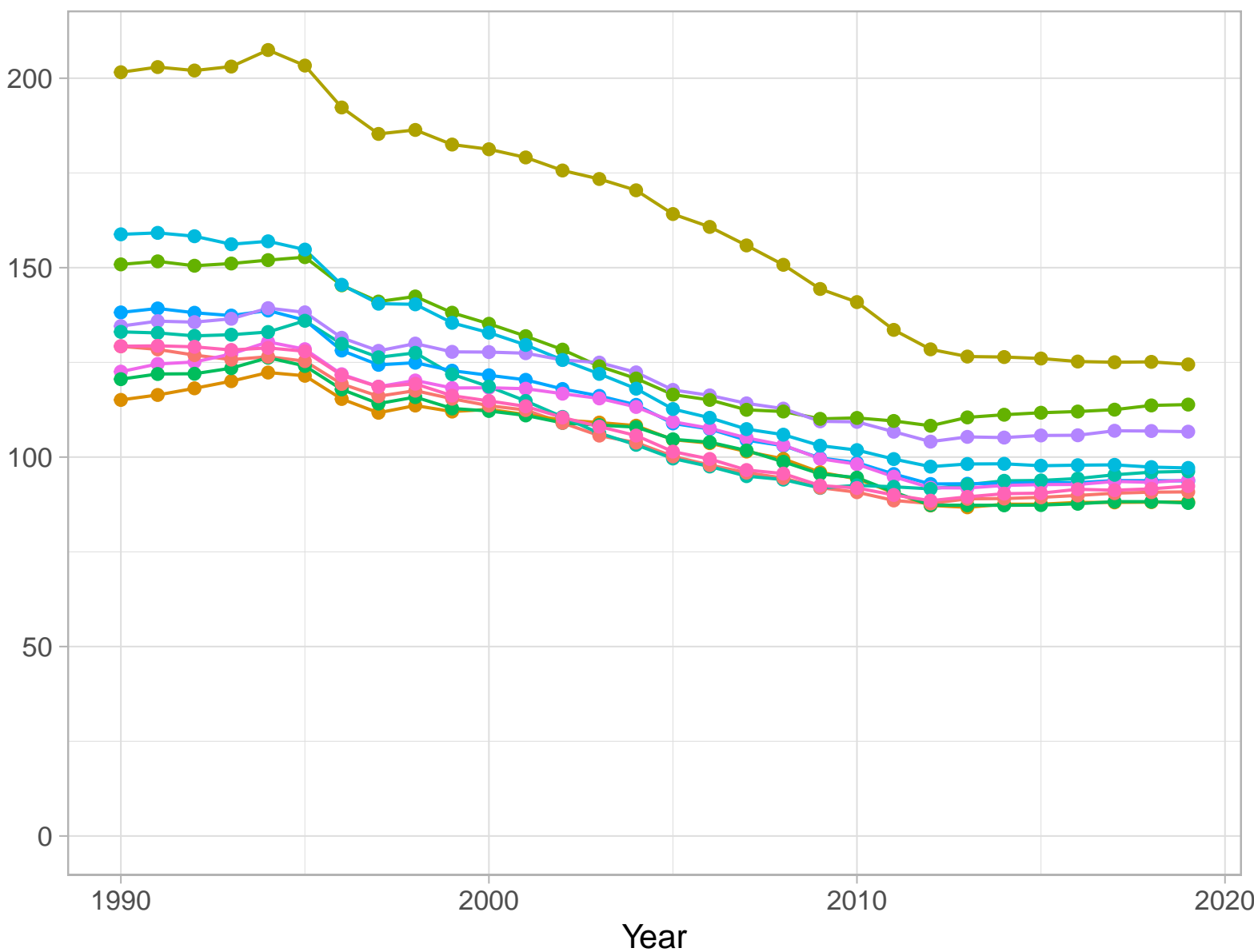
U5MR: deaths per 1000 live births



- Bimah, Kara
- Doufelgou, Kara
- Golfe (incl Lomé), Maritime
- Kéran, Kara
- Kloto, Plateaux
- Oti, Savanes
- Tône, Savanes
- Vo, Maritime
- Yoto, Maritime
- Zio, Maritime

Togo

U5MR: deaths per 1000 live births



- Amou, Plateaux
- Assoli, Kara
- Bassar, Kara
- Haho, Plateaux
- Kozah, Kara
- Lacs, Maritime
- Ogou, Plateaux
- Sotouboua, Centre
- Tchamba (Nyala), Centre
- Tchaudjo, Centre
- Wawa, Plateaux

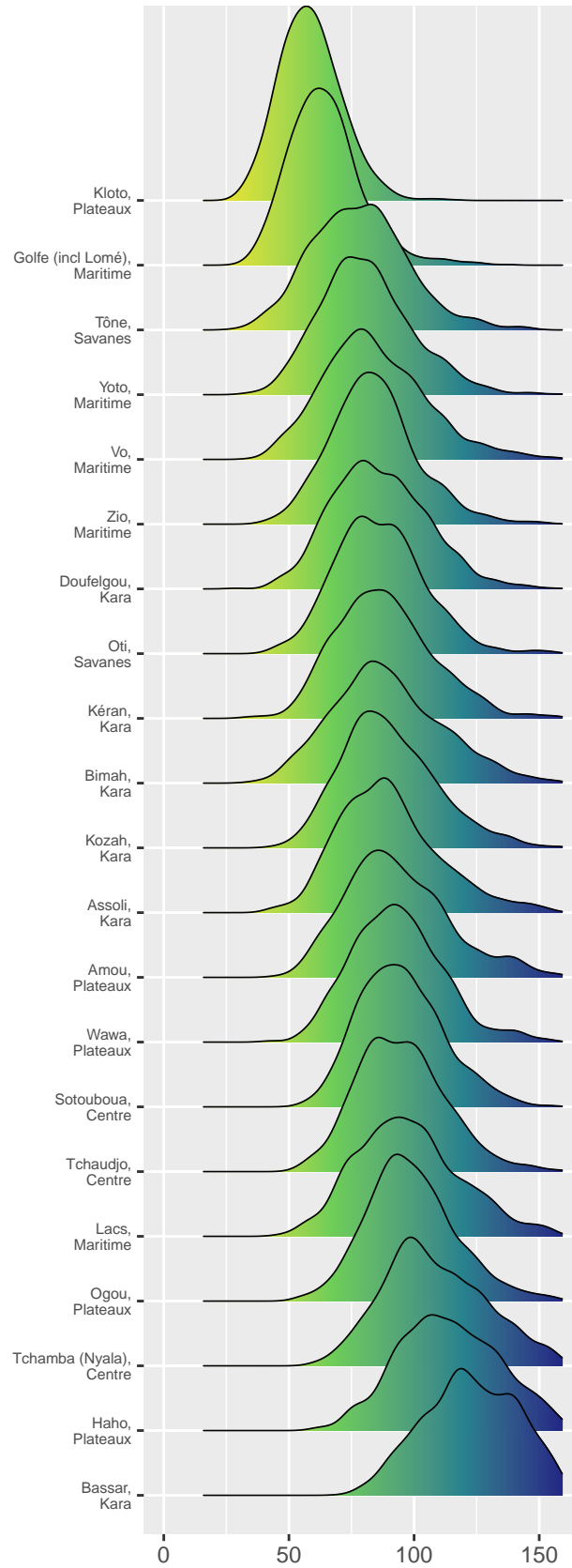


Figure 5: Posterior distributions of U5MR (deaths per 1000 children) in 2019. Areas are ordered by median estimated U5MR in 2019.

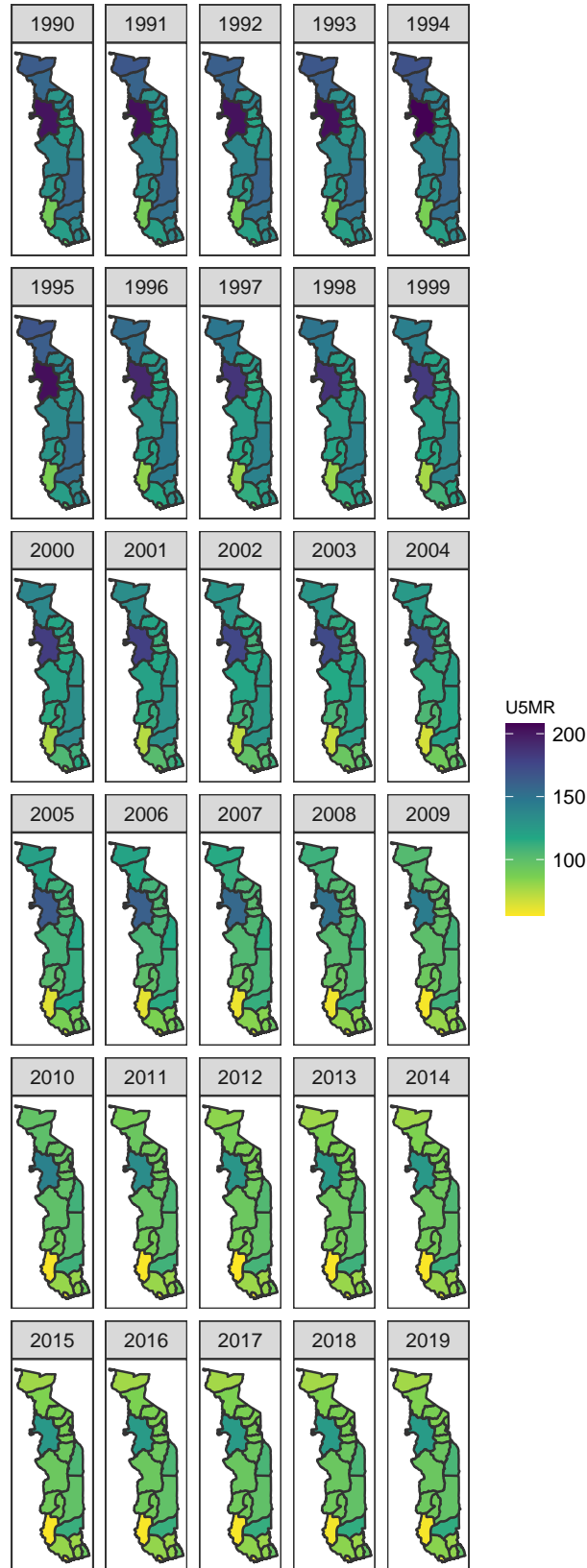


Figure 6: Posterior medians of U5MR (deaths per 1000 births) by Admin 2 area and year.

2 National Survey Data

Survey	Urban	Rural	Total
1998	134	153	287
2013-14	128	202	330

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

Age	No. Deaths	No. Agemonths
0	813	24651
1-11	659	252500
12-23	434	254684
24-35	320	238845
36-47	240	222321
48-59	114	206572

Table 2: Numbers of agemonths and deaths by age for DHS 2013-14.

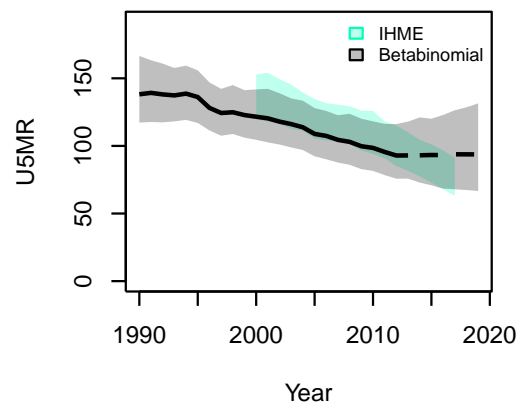
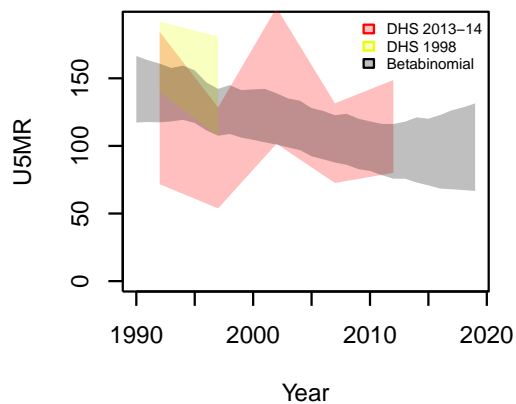
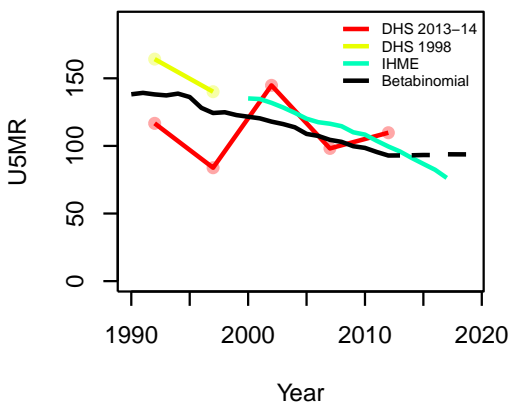
Age	No. Deaths	No. Agemonths
0	471	11790
1-11	475	121940
12-23	228	126063
24-35	209	123123
36-47	215	118426
48-59	107	112999

Table 3: Numbers of agemonths and deaths by age for DHS 1998.

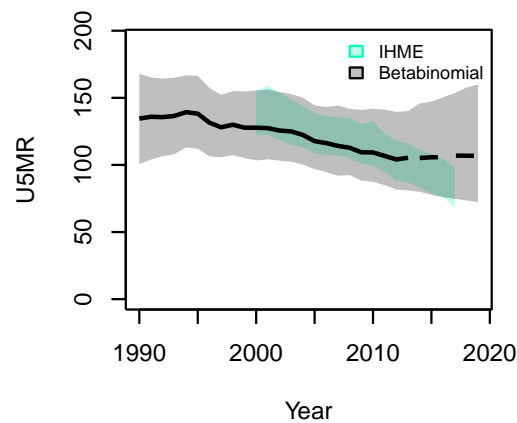
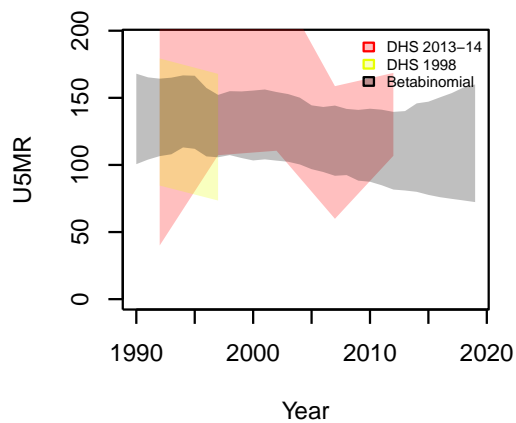
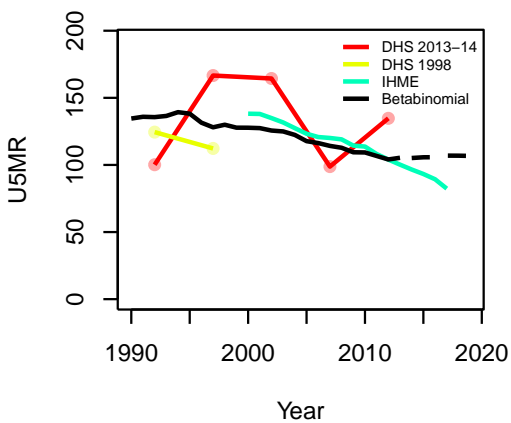
3 Admin 2 Figures

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.

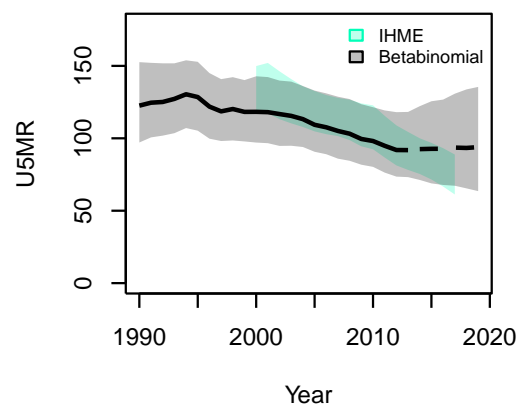
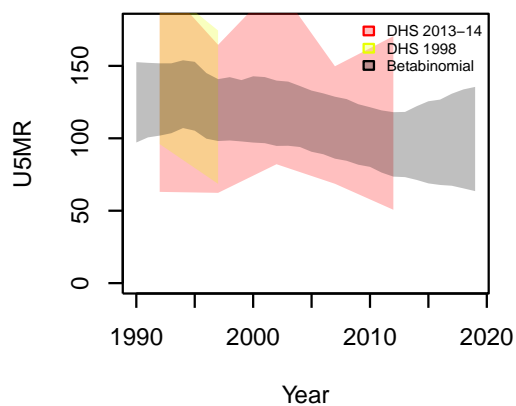
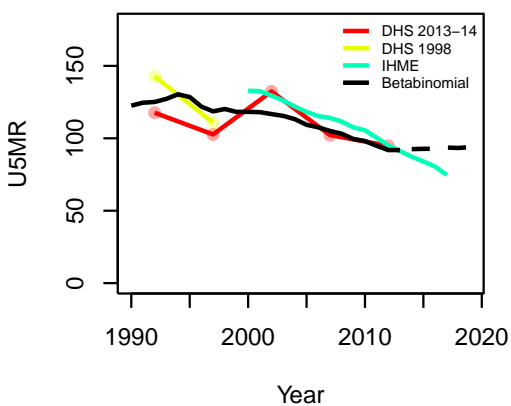
Sotouboua, Centre



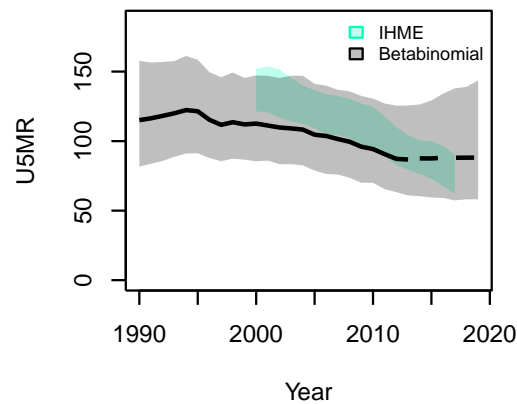
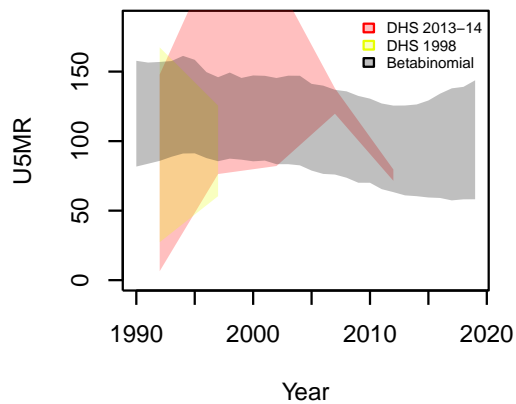
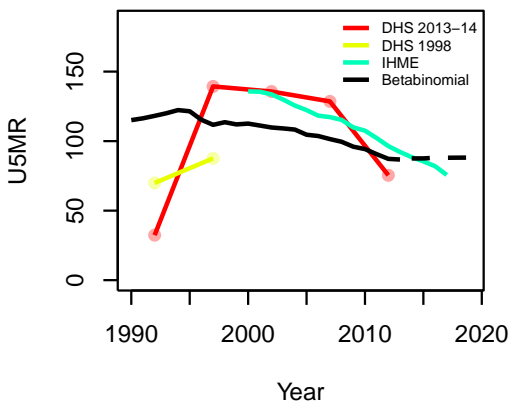
Tchamba (Nyala), Centre



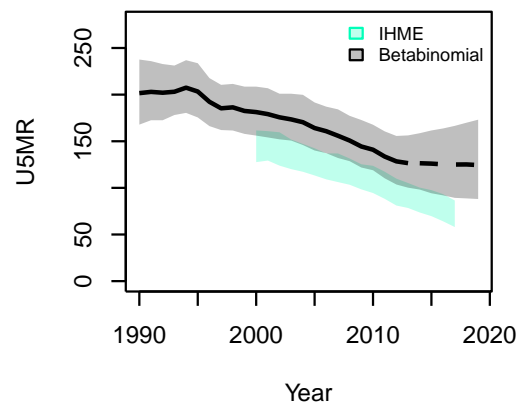
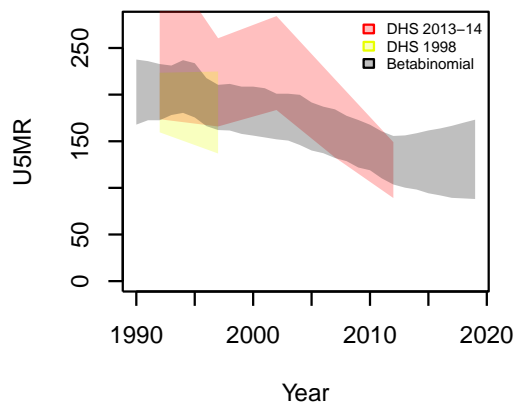
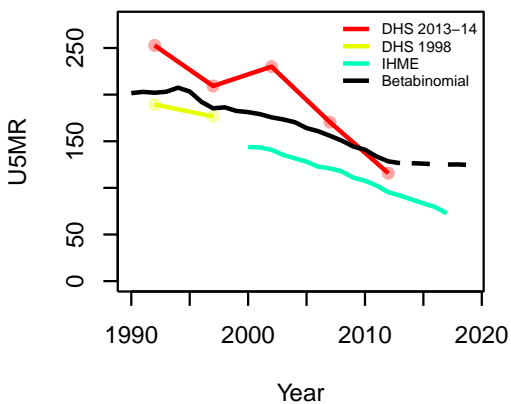
Tchaudjo, Centre



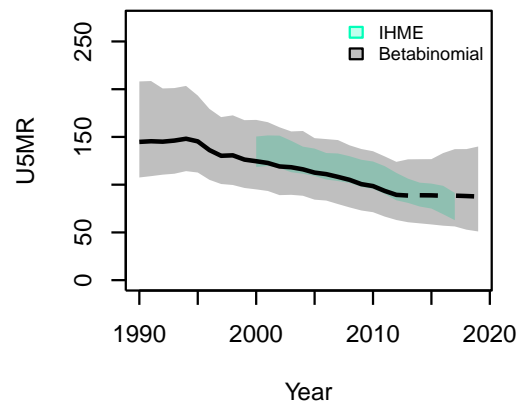
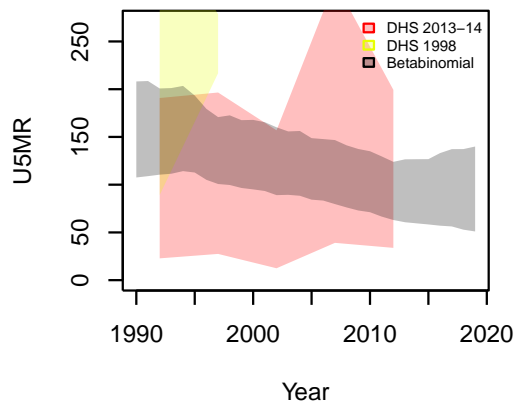
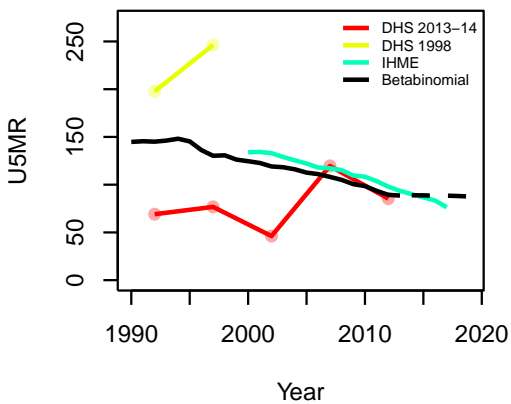
Assoli, Kara



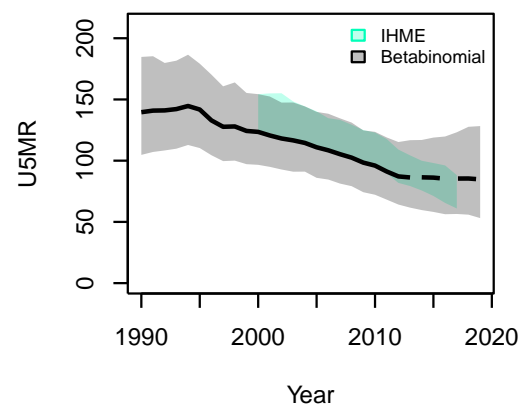
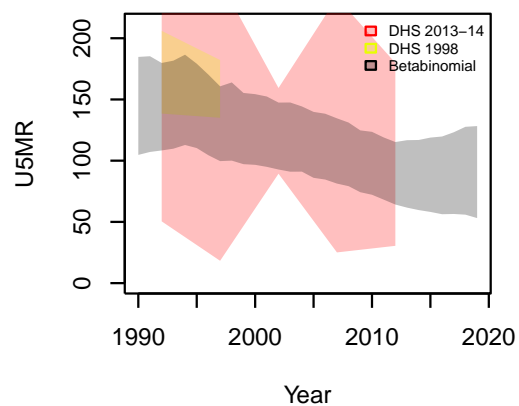
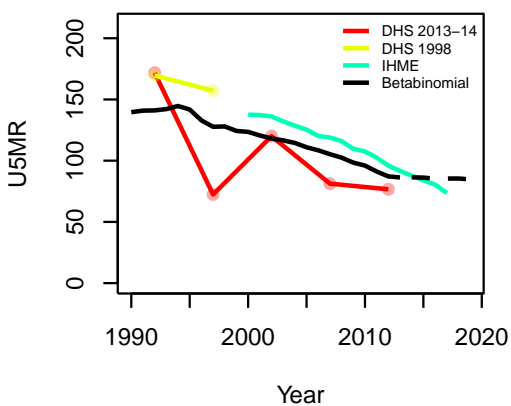
Bassar, Kara



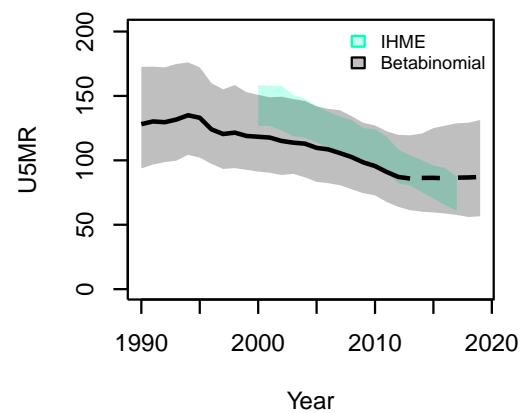
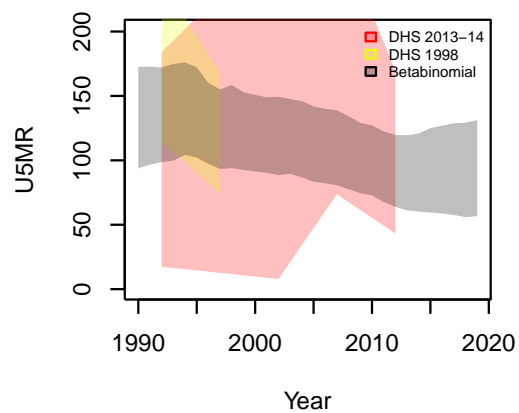
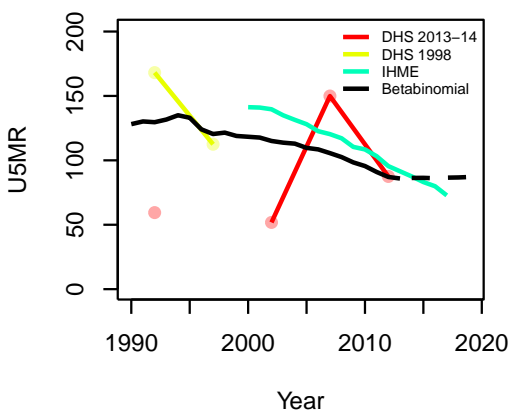
Bimah, Kara



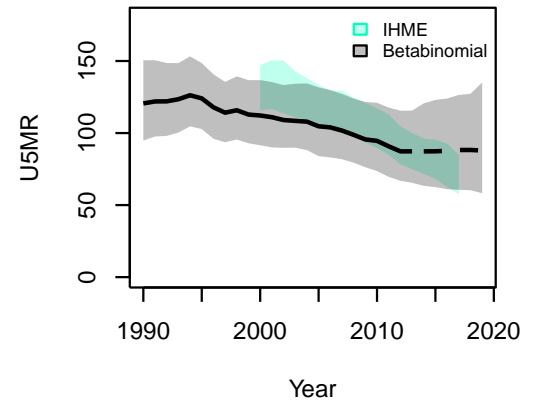
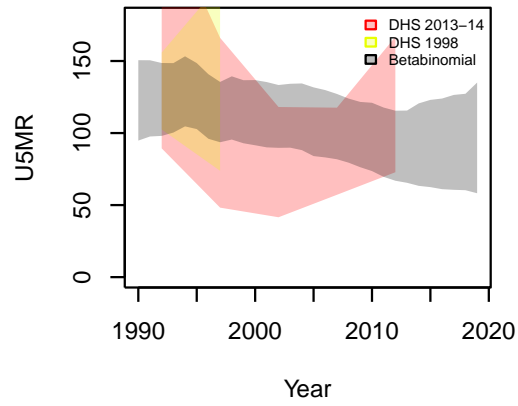
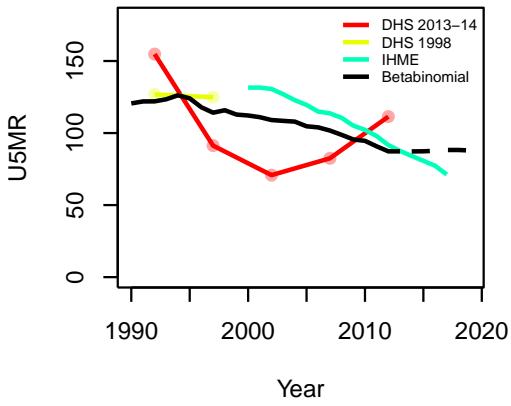
Doufelgou, Kara



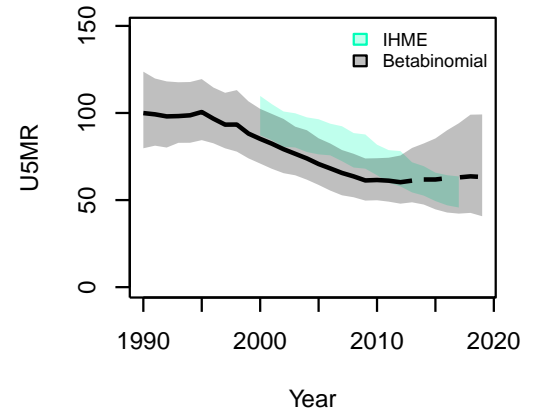
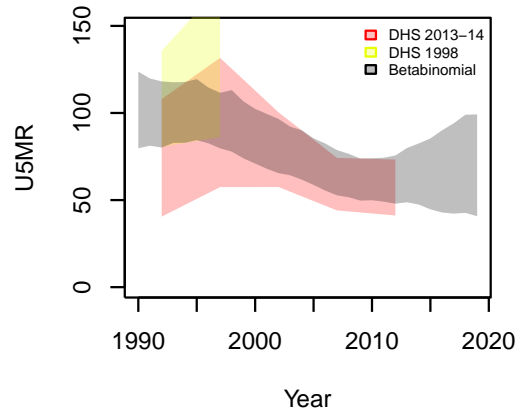
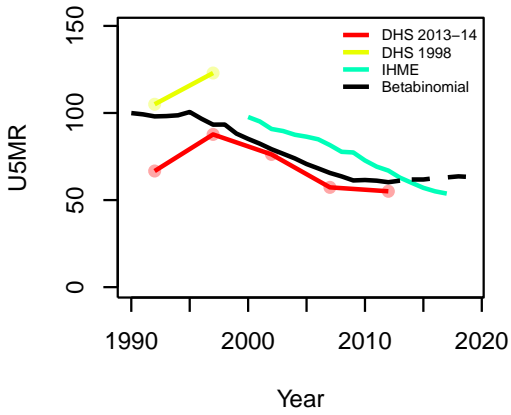
Kéran, Kara



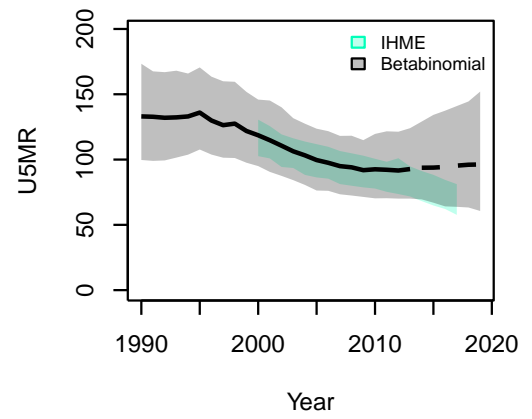
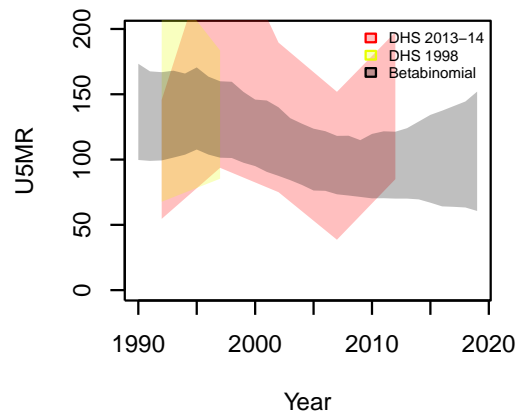
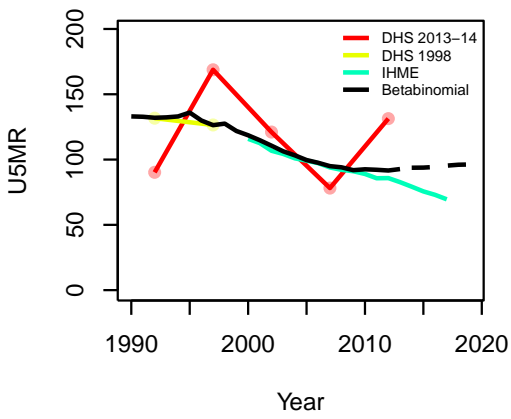
Kozah, Kara



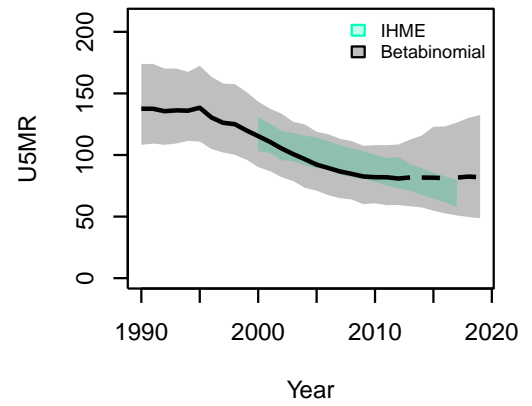
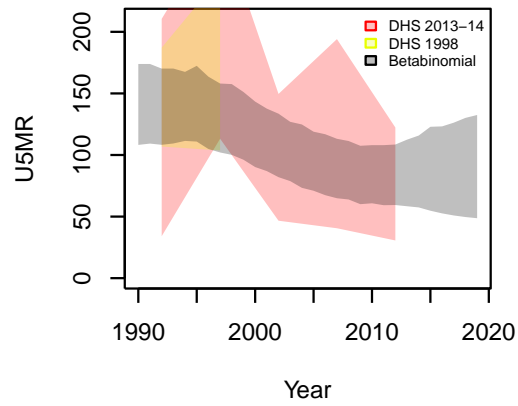
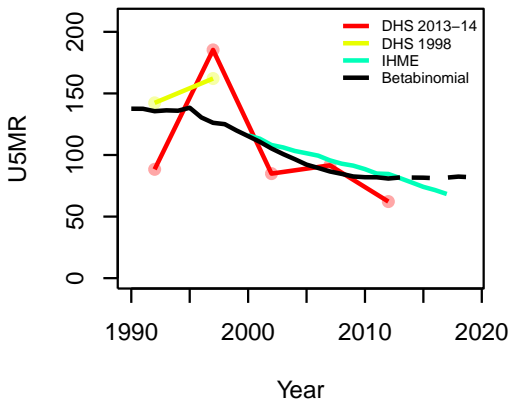
Golfe (incl Lomé), Maritime



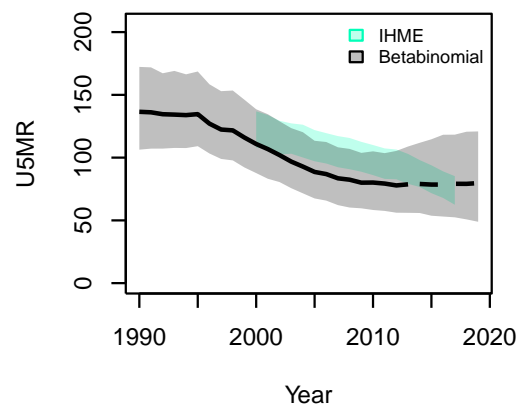
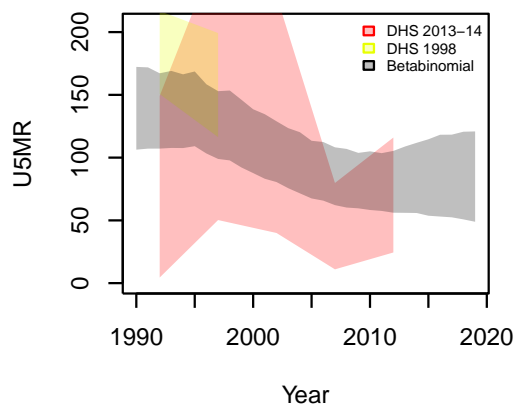
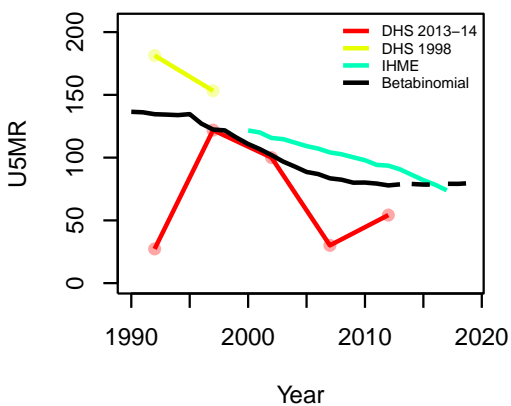
Lacs, Maritime



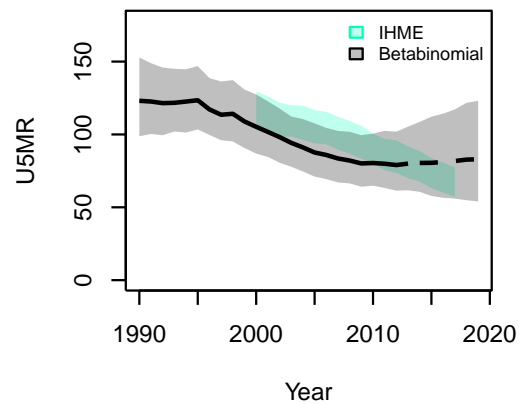
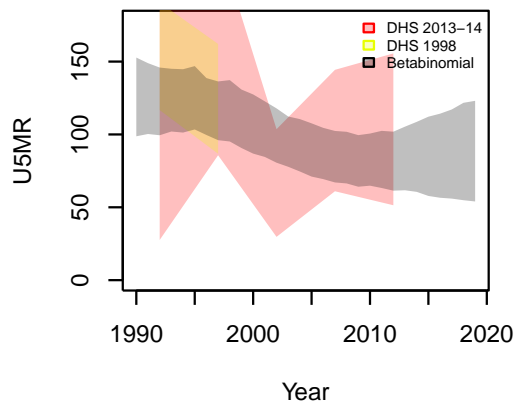
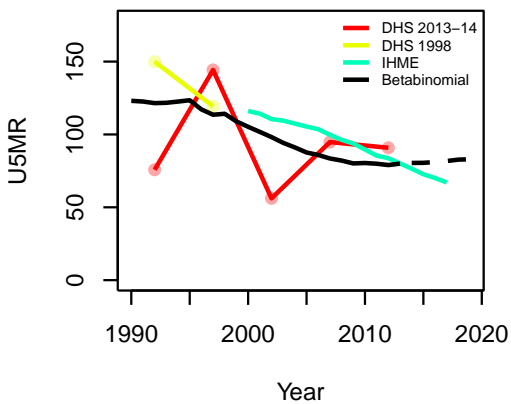
Vo, Maritime



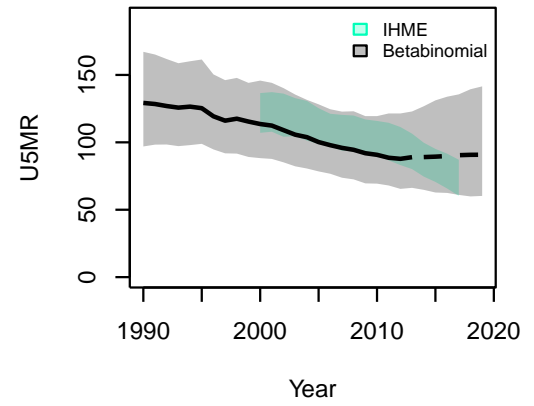
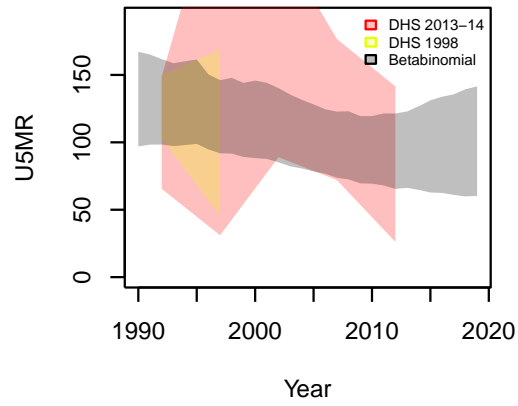
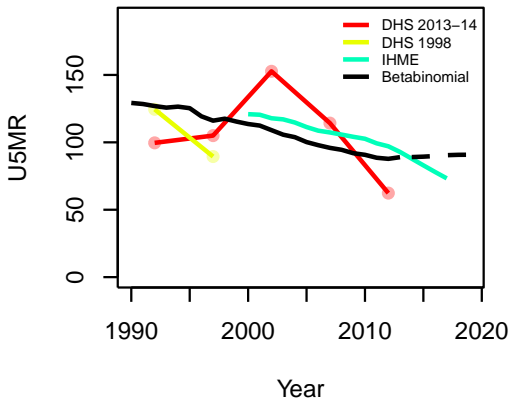
Yoto, Maritime



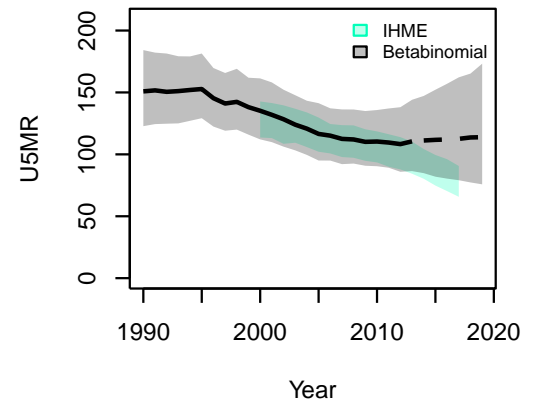
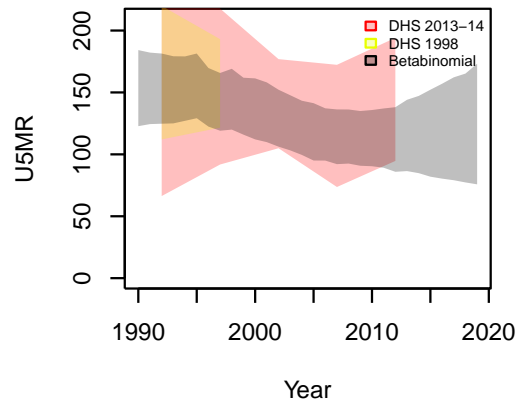
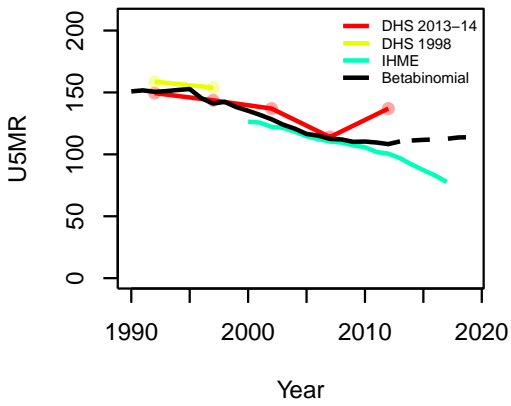
Zio, Maritime



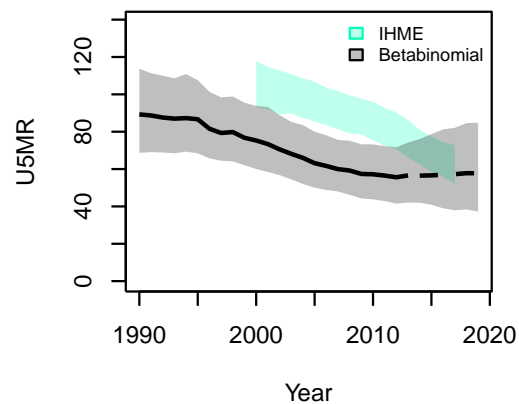
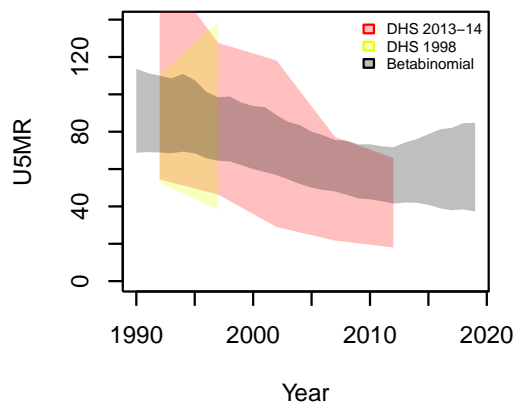
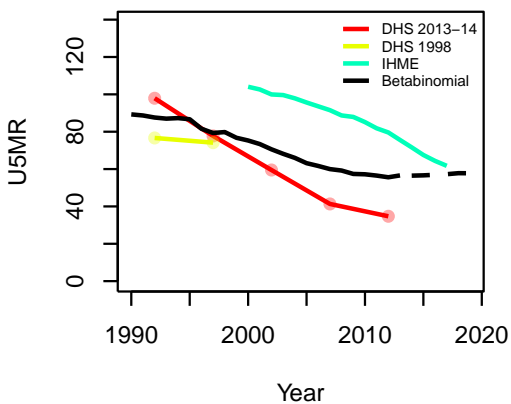
Amou, Plateaux



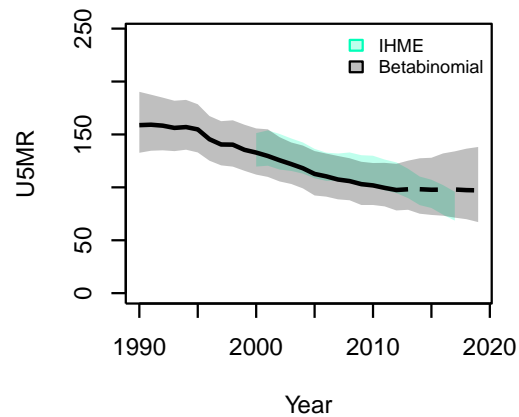
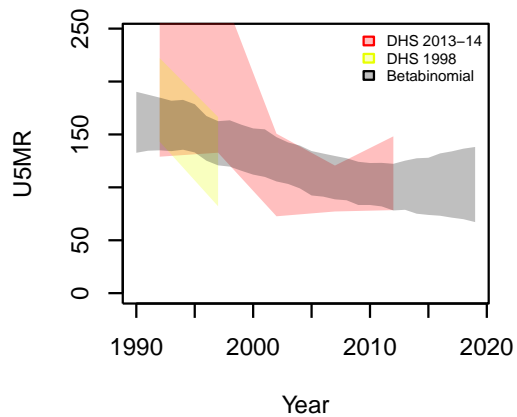
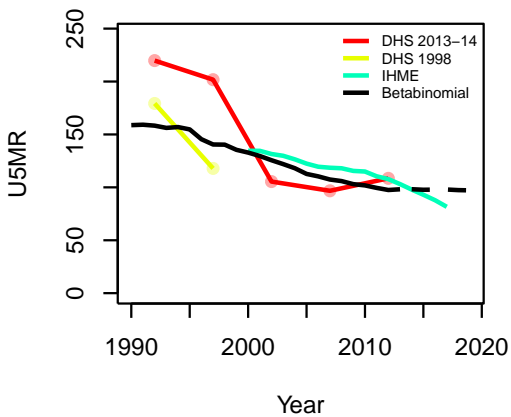
Haho, Plateaux



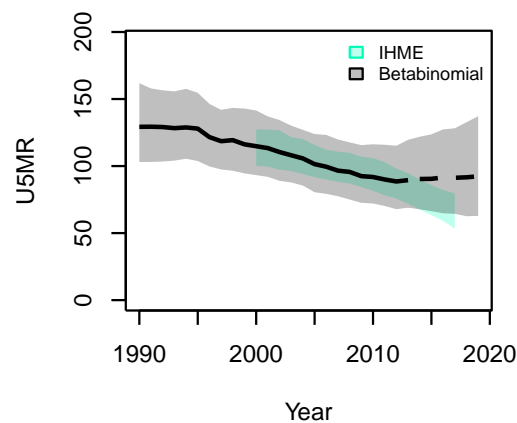
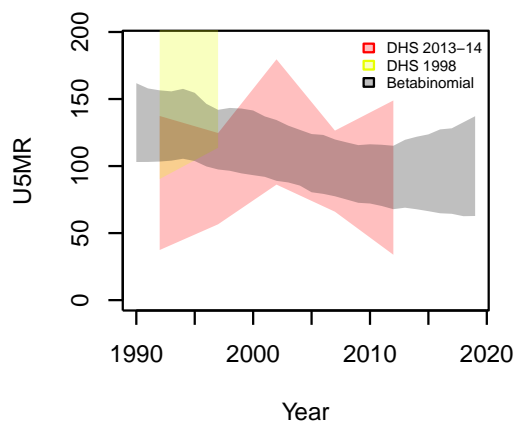
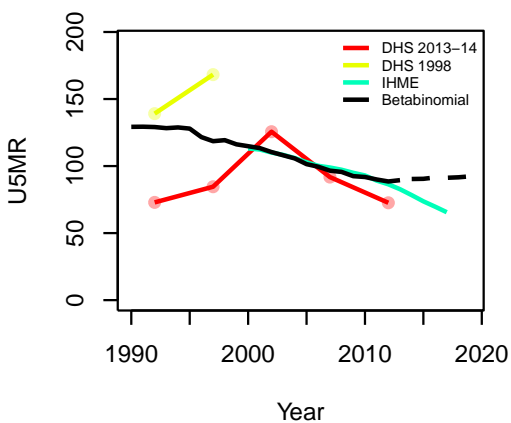
Kloto, Plateaux



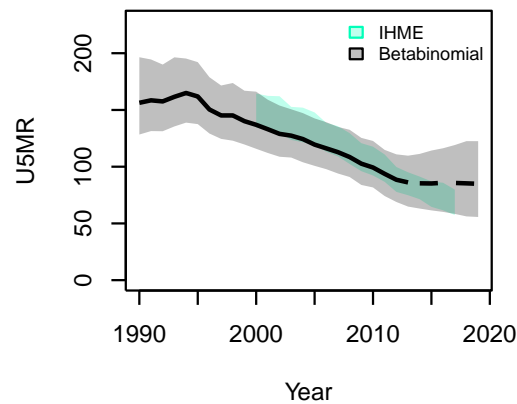
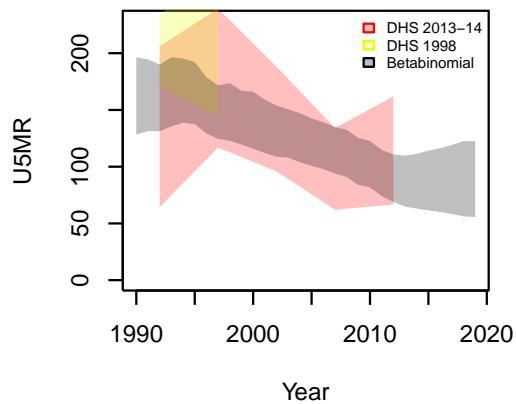
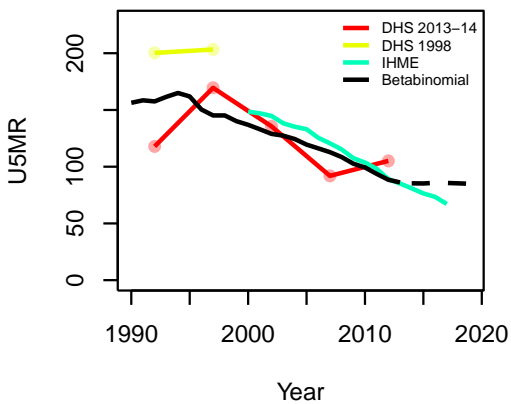
Ogou, Plateaux



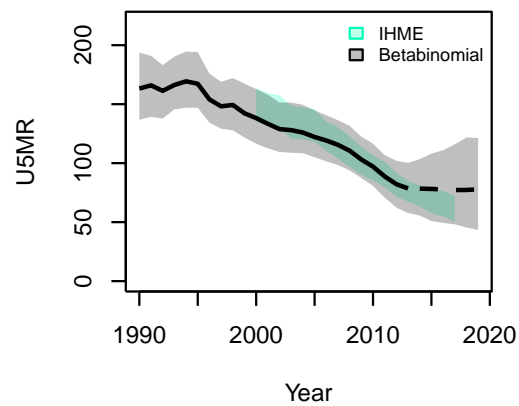
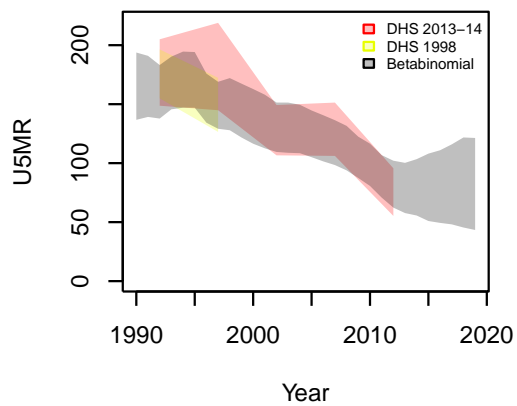
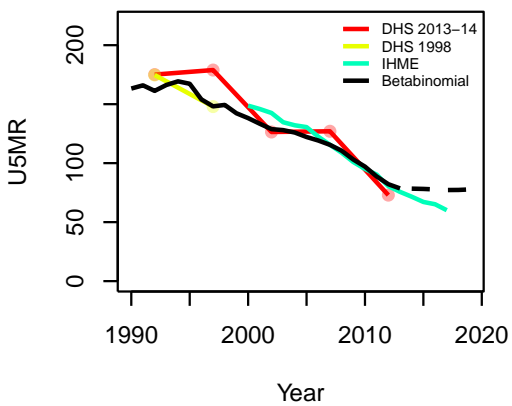
Wawa, Plateaux



Oti, Savanes



Tône, Savanes



4 National Figures and Results

	Median	Interval	Median- Bench	Interval
0	32.10	(29,35.5)	30.00	(27.1,33.2)
1-11	2.60	(2.3,2.9)	2.40	(2.2,2.7)
12-23	1.50	(1.3,1.7)	1.40	(1.2,1.5)
24-35	1.20	(1.1,1.4)	1.20	(1,1.3)
36-47	1.10	(1,1.3)	1.10	(0.9,1.2)
48-59	0.60	(0.5,0.7)	0.60	(0.5,0.6)

Table 4: Monthly hazards in terms of 1000 children by age band for national, unstratified model for Togo.

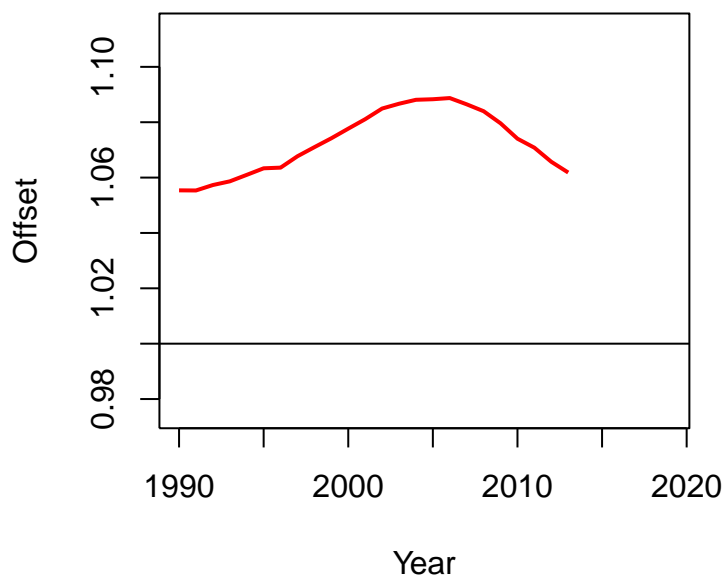


Figure 7: Benchmark offsets: $BENCH(t) = U5MR^*(t)/U5MR(t)$ where $U5MR^*(t)$ is modeled estimate and $U5MR(t)$ is UN-IGME estimate.

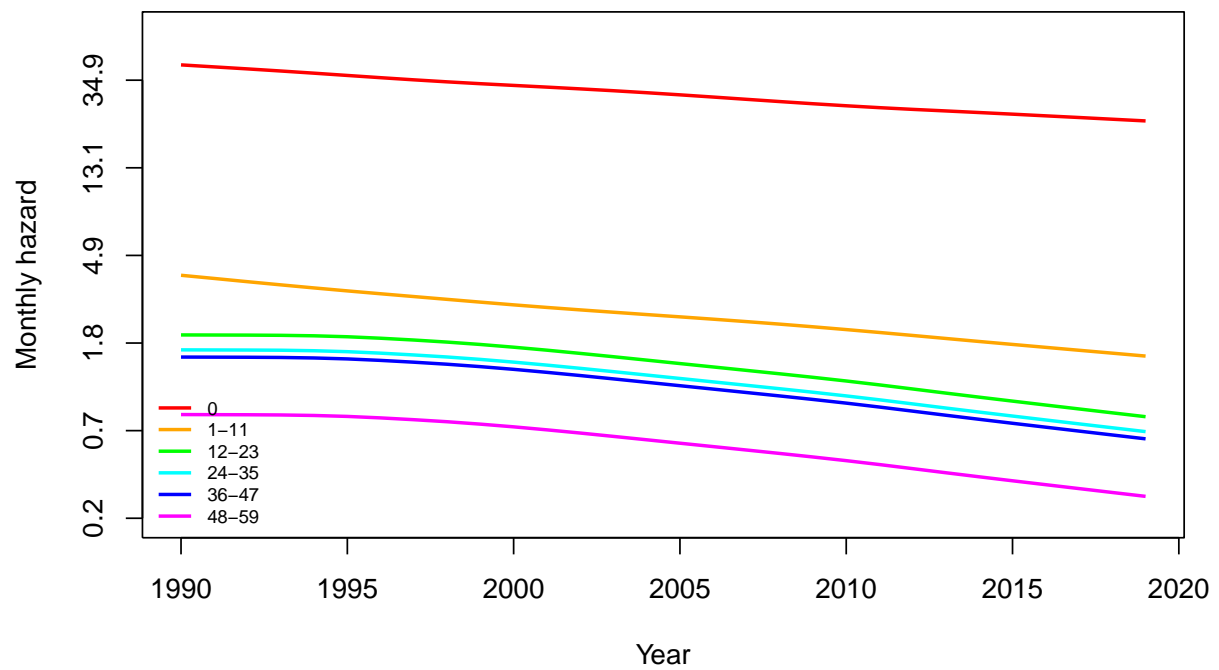


Figure 8: Monthly hazards of death in terms of U5MR (number deaths per 1000 children) by agebands.

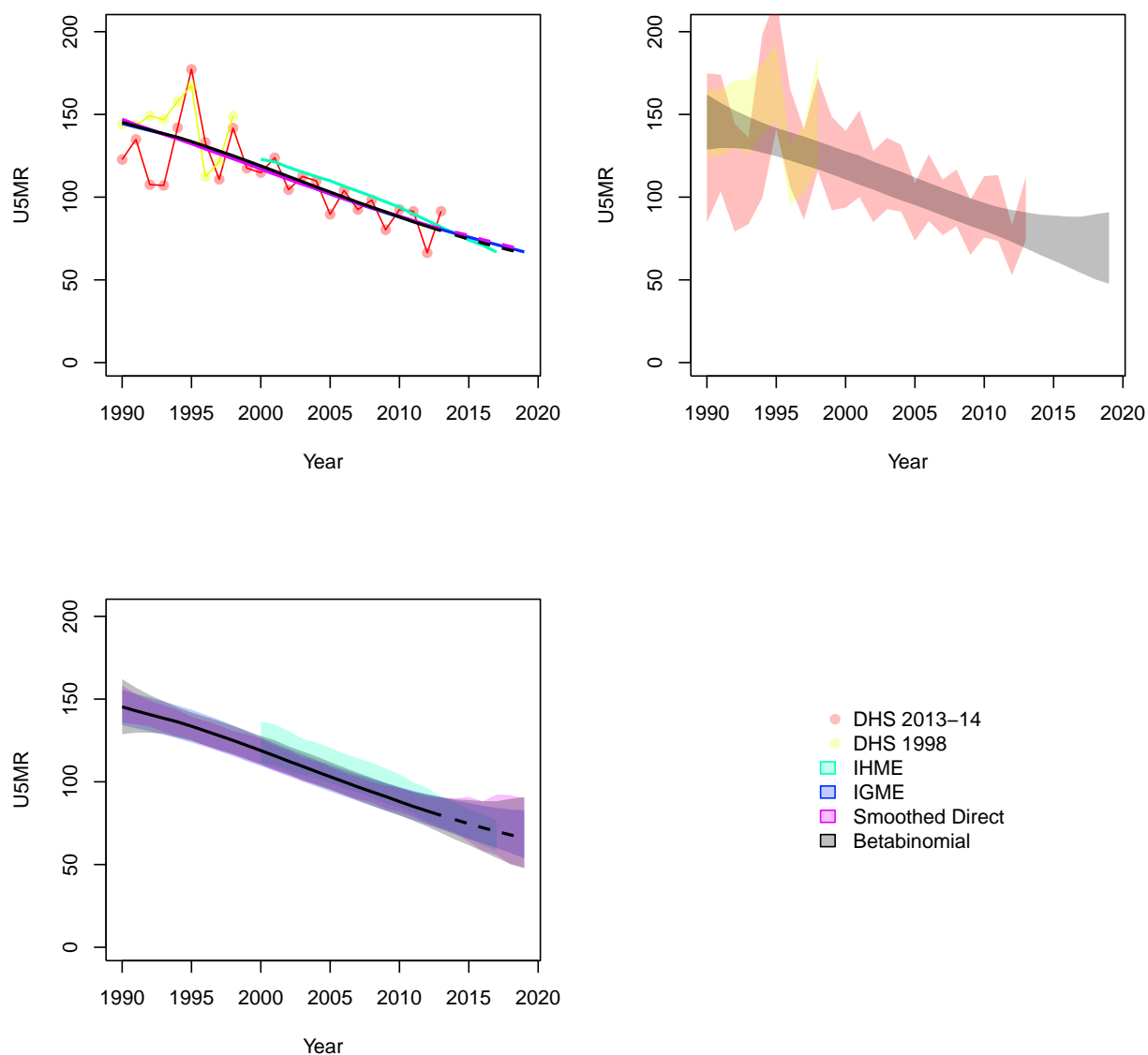
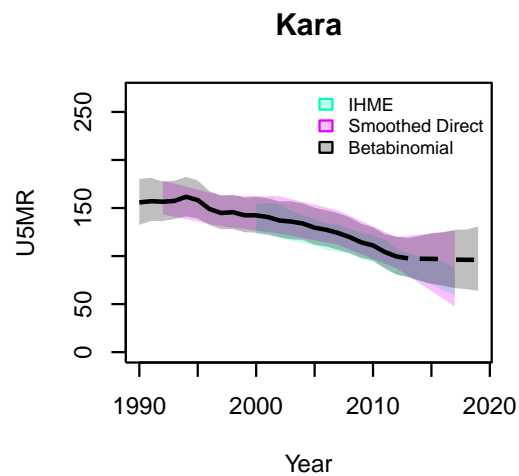
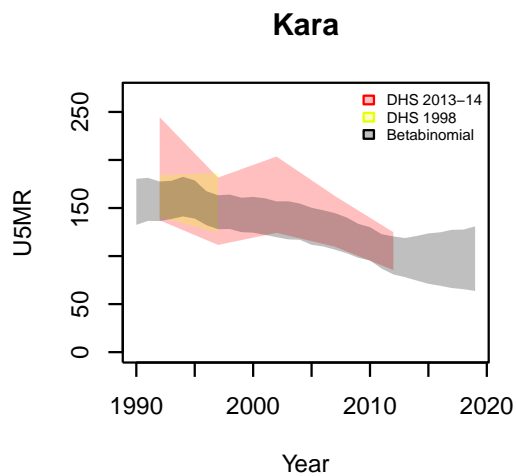
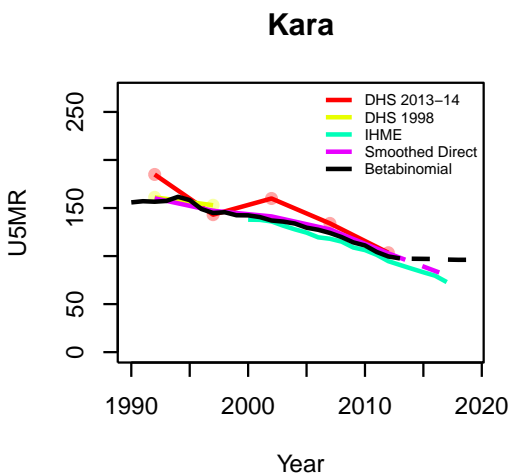
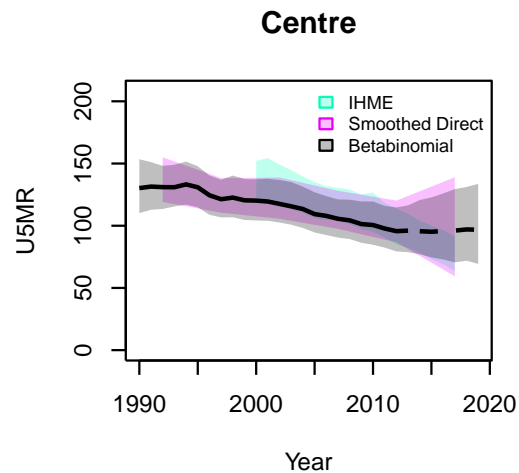
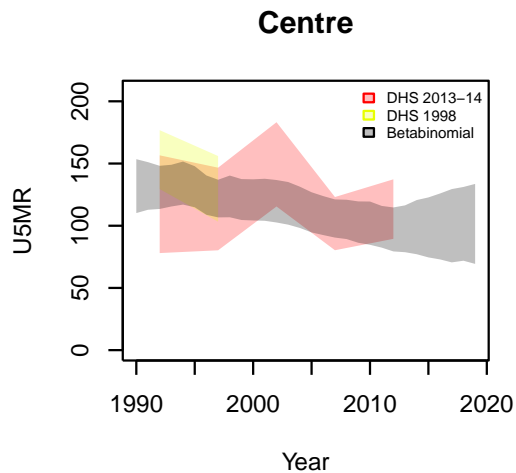
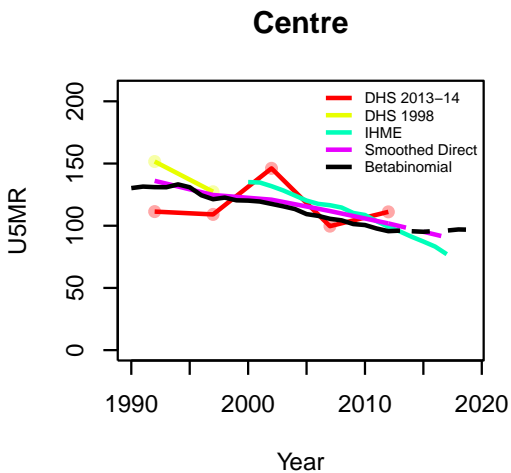
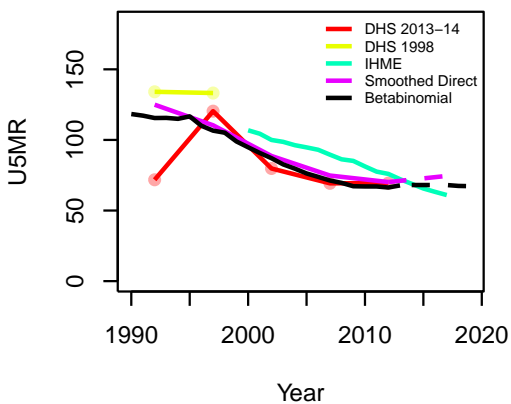


Figure 9: Benchmarked U5MR rates per 1000 live births. Top: DHS direct estimates with national trends from IHME GBD, UN-IGME, Smoothed Direct and Betabinomial estimates. Middle: 95% uncertainty intervals for DHS data. Bottom: IHME GBD, UN-IGME, Smoothed Direct and Betabinomial estimates with for the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

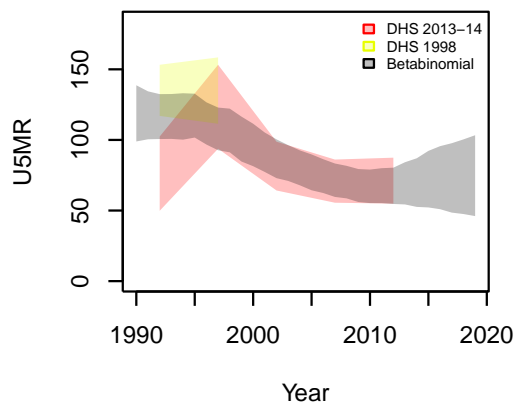
5 Admin 1 Figures



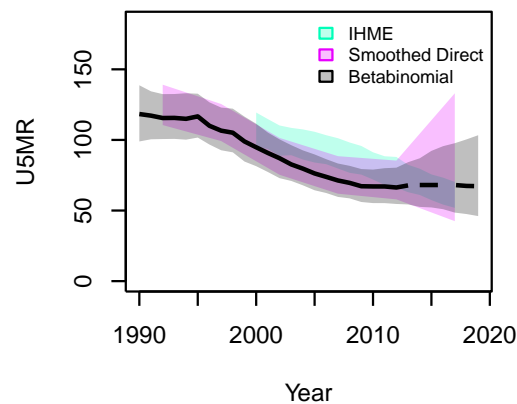
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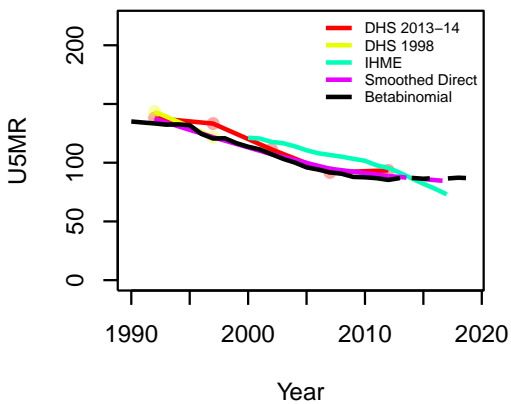
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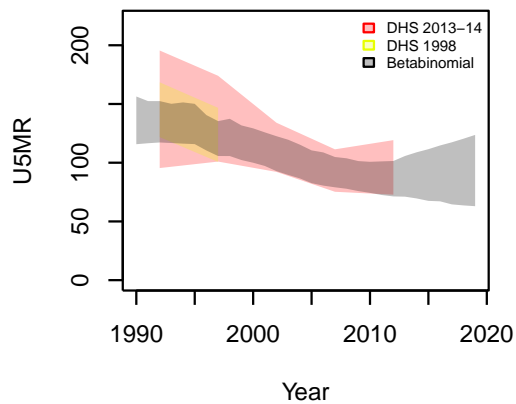
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Plateaux



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Plateaux

