

Country Summary: Rwanda

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1 Intro

These estimates are created using a stratified BB8 model with subnational estimates using a AR1 main temporal effect and a AR1xICAR spatiotemporal interaction term with area-specific random slopes.

Rwanda has 5 Admin 1 areas and 30 Admin 2 areas.

All uncertainty intervals displayed in subsequent figures are 90% intervals.

2 National Data Summaries and Results

2.1 Survey data

Survey	Urban	Rural	Total
DHS 2010	79	413	492
DHS 2015	113	379	492
DHS 2019	112	388	500

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

DHS 2010			
Age	No. Deaths	No. Agemonths	
0	586	19201	
1-11	618	199228	
12-23	320	205605	
24-35	184	195458	
36-47	136	185465	
48-59	89	175179	

DHS 2015			
Age	No. Deaths	No. Agemonths	
0	610	22567	
1-11	571	234731	
12-23	285	241053	
24-35	161	229528	
36-47	139	217779	
48-59	89	207682	

DHS 2019			
Age	No. Deaths	No. Agemonths	
0	663	26836	
1-11	549	279144	
12-23	215	287889	
24-35	153	272876	
36-47	109	257768	
48-59	85	242869	

Table 2: Numbers of agemonths and deaths by age group for each survey used in analysis for Rwanda.

Age	rural	urban
0	(20.8,29)	(15.4,26)
1-11	(1.4,1.9)	(1.3,2.3)
12-23	(0.6,0.9)	(0.4,0.8)
24-35	(0.4,0.6)	(0.1,0.4)
36-47	(0.3,0.5)	(0.2,0.5)
48-59	(0.2,0.3)	(0.1,0.3)

Table 3: The 95% credible intervals for monthly hazards in terms of 1000 children by age band for the Admin-1, benchmarked stratified model for Rwanda.

2.2 Figures

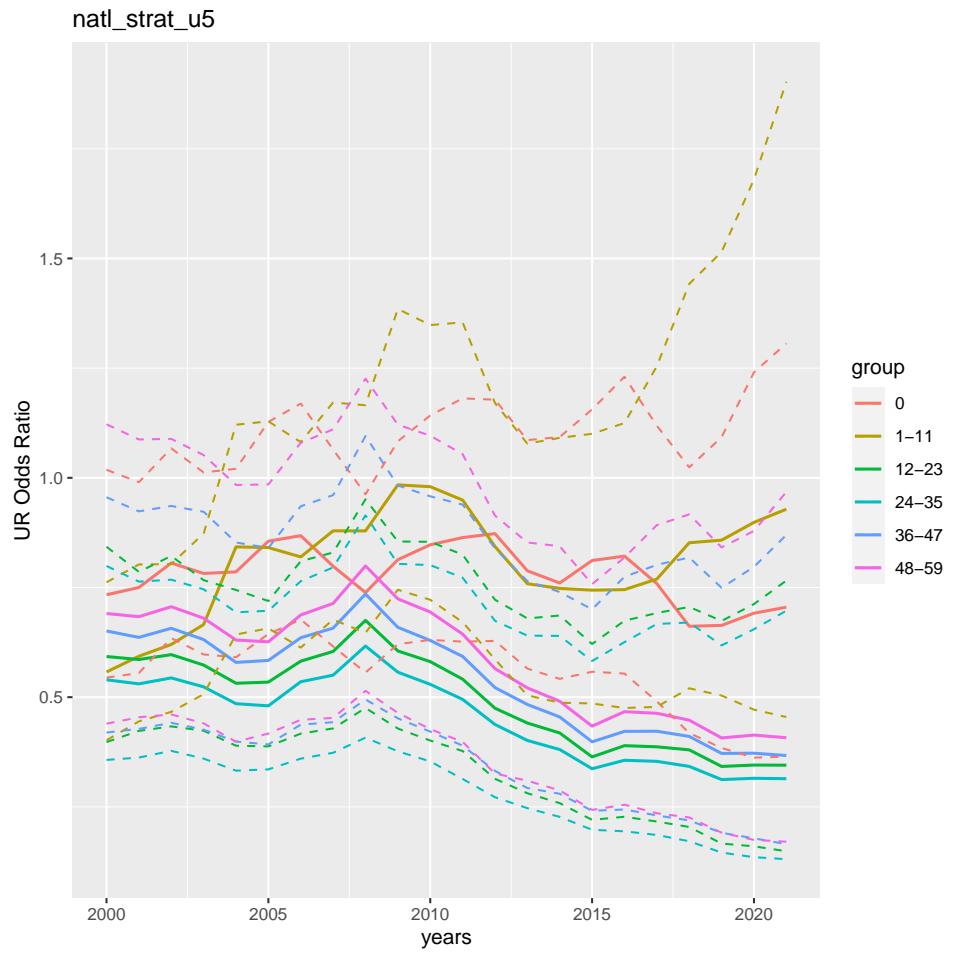


Figure 1: Urban rural odds ratio from stratified national model.

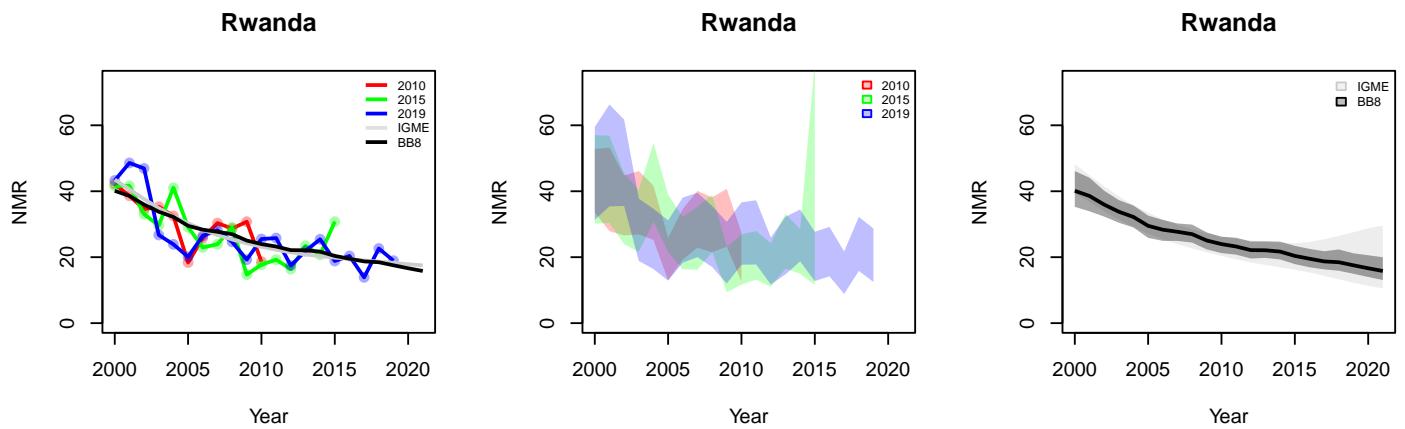


Figure 2: NMR results from the national BB8 model.

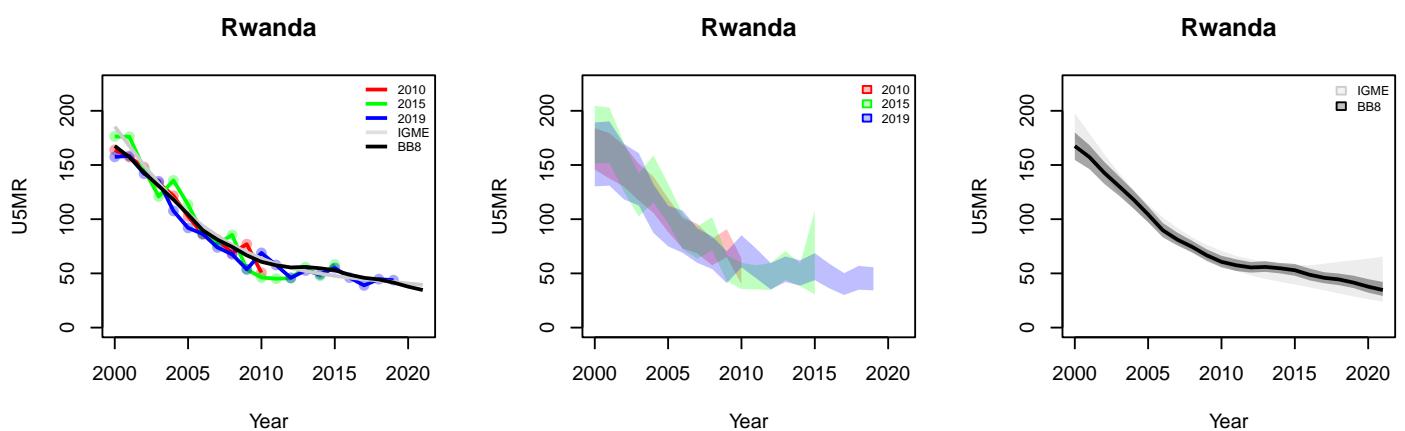


Figure 3: U5MR results from the national BB8 model.

3 Subnational Results

3.1 Admin 1 Figures

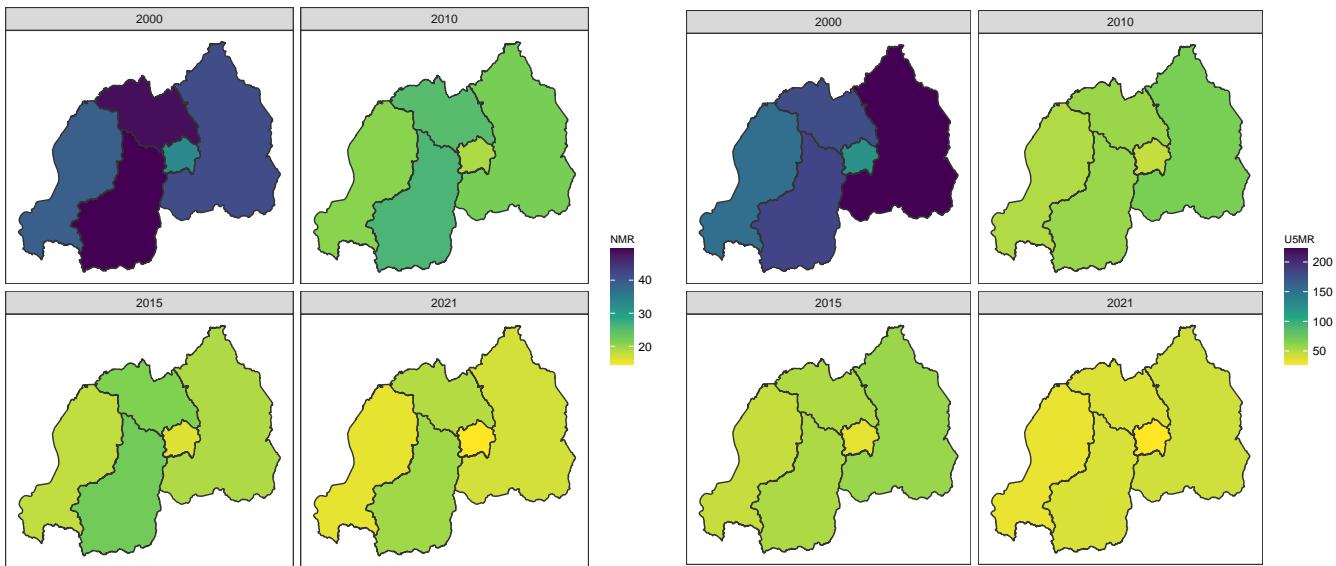
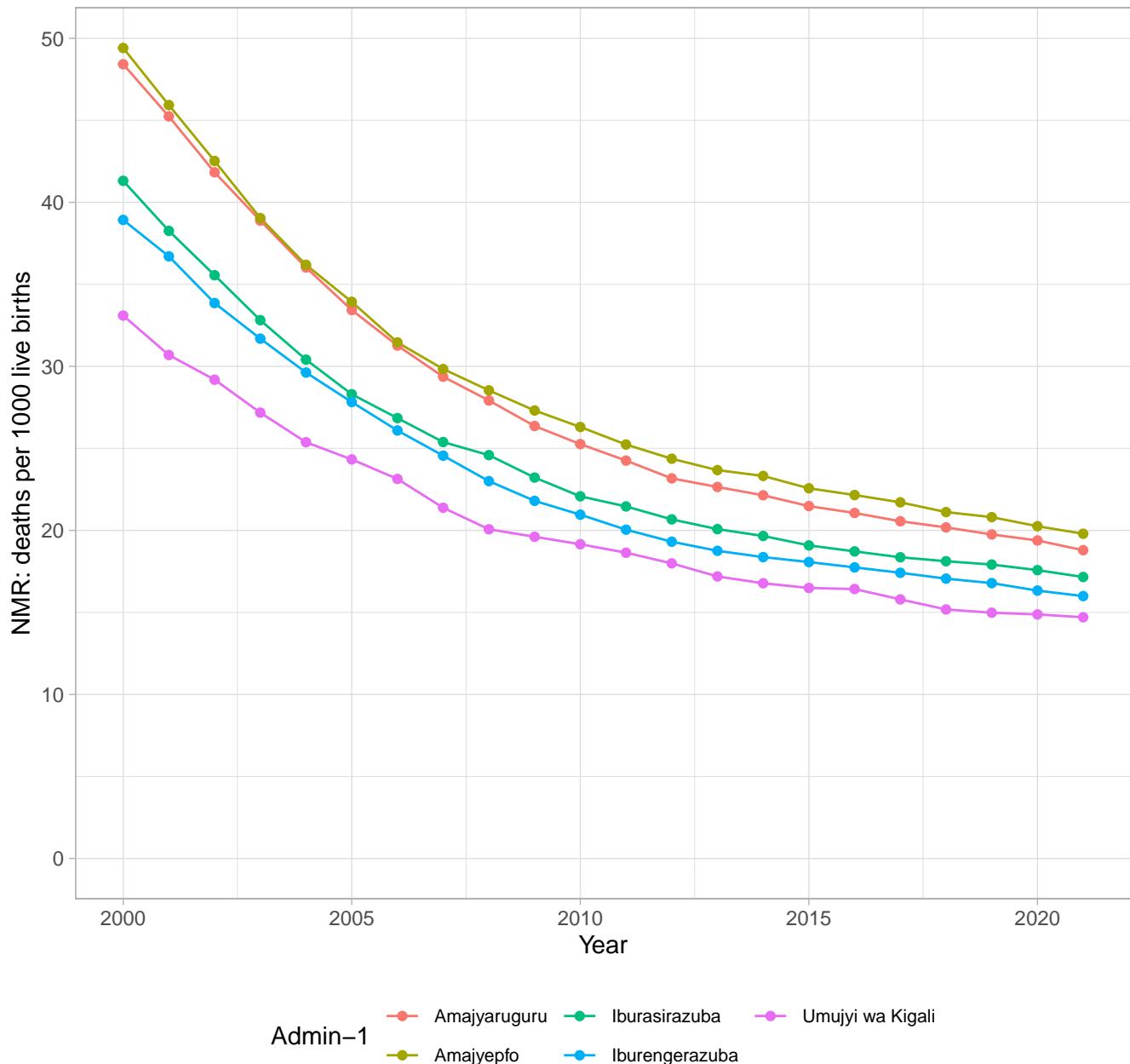
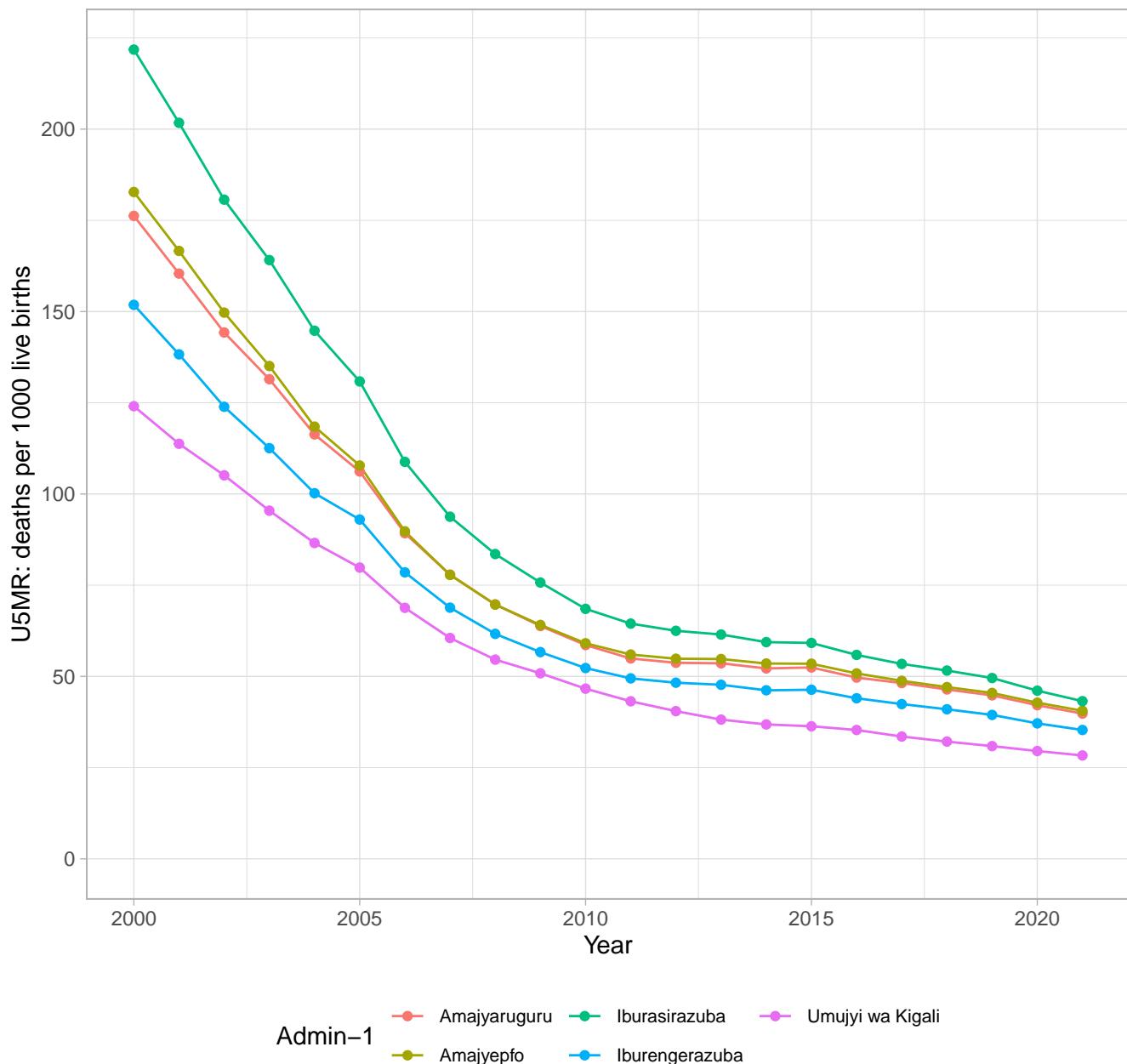


Figure 4: NMR (left) and U5MR (right) results in 2000, 2010, 2015, and 2021 from the Admin-1 BB8 model.

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3.2 Admin 2 Figures

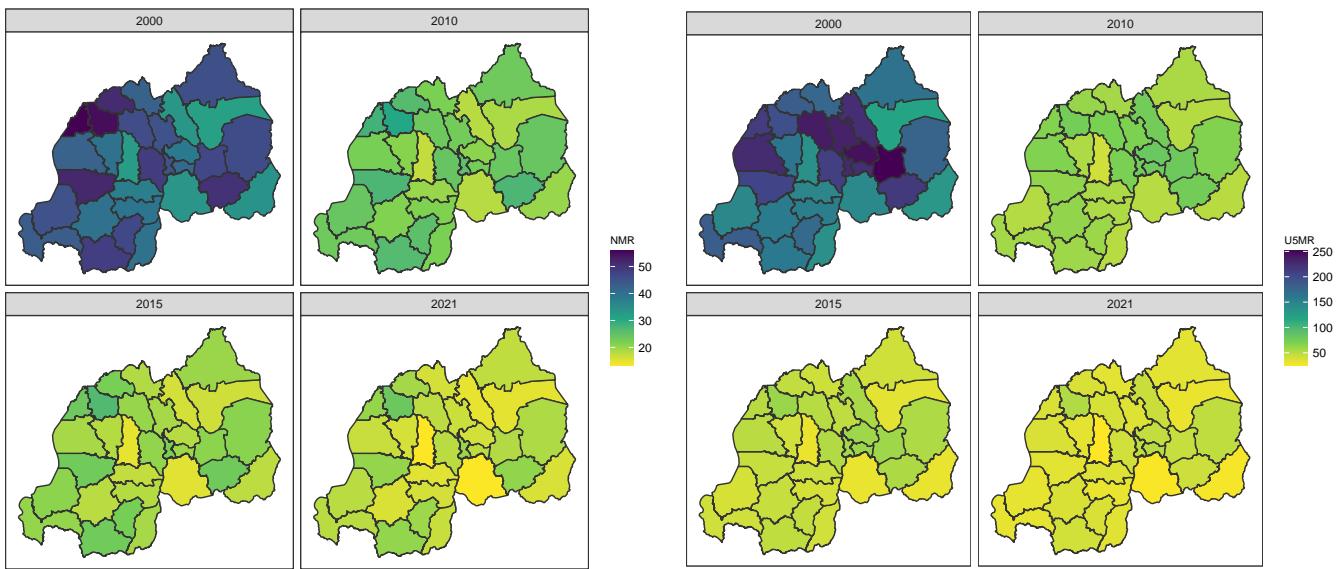
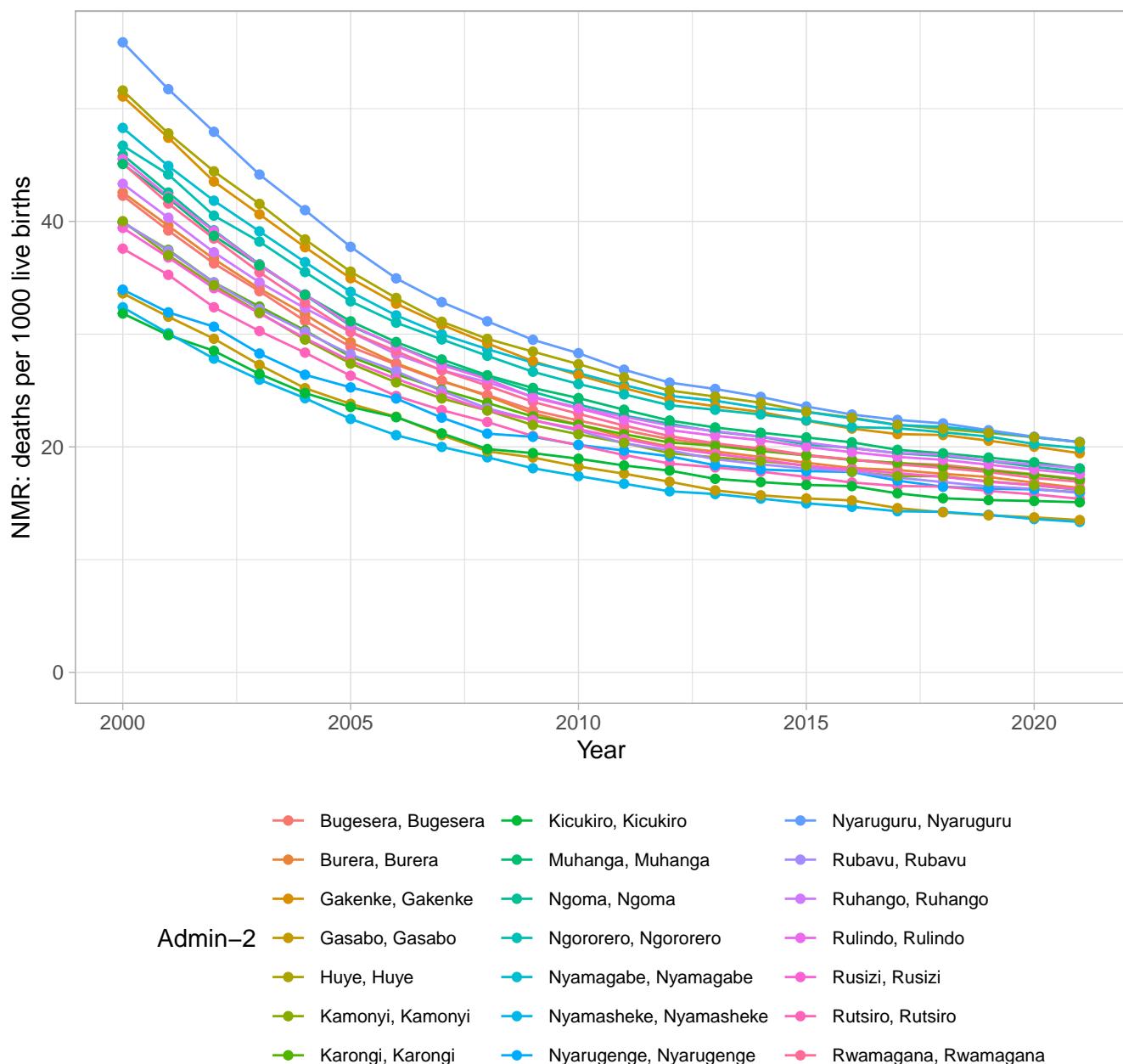
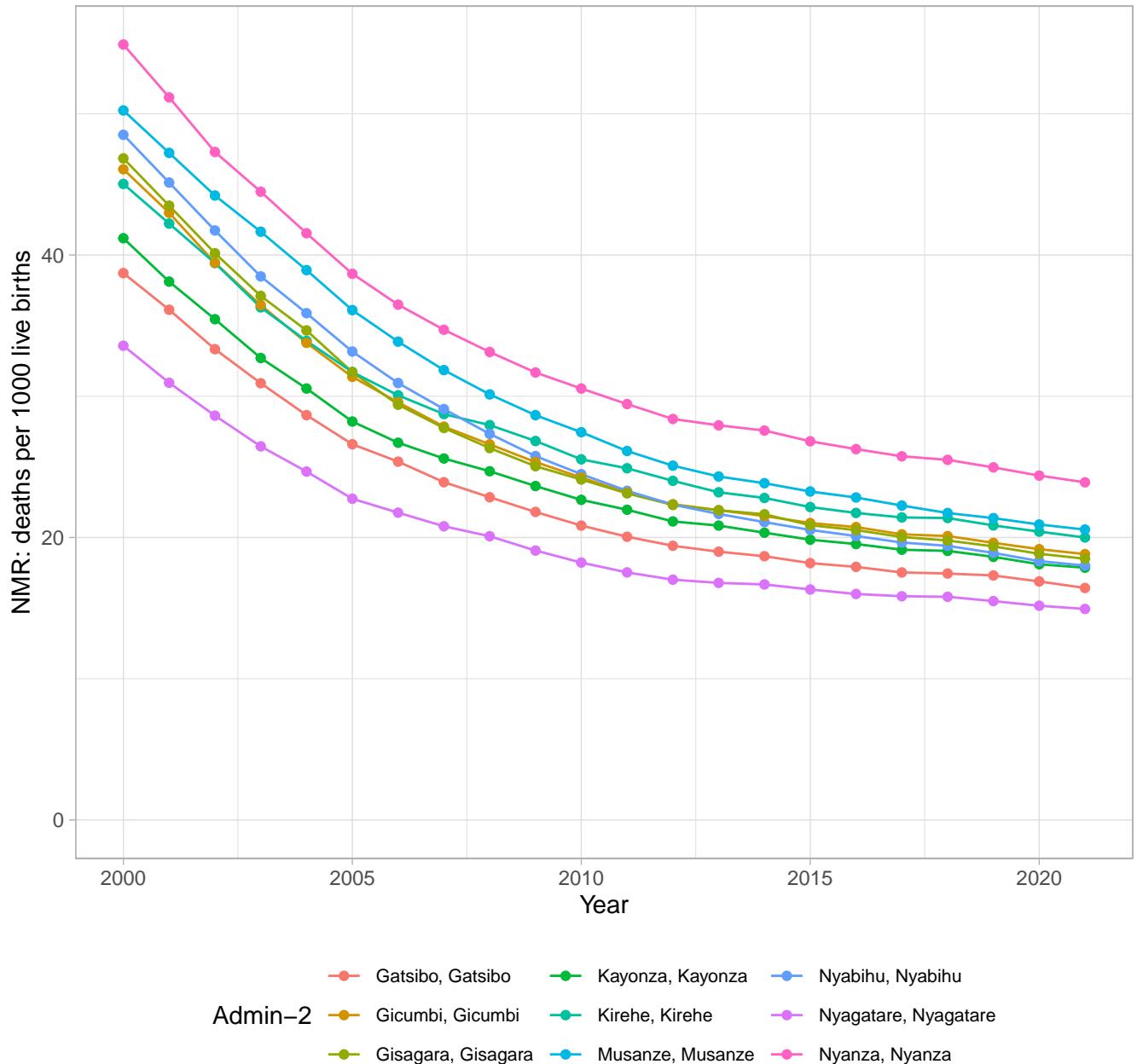


Figure 5: NMR (left) and U5MR (right) results in 2000, 2010, 2015, and 2021 from the Admin-2 BB8 model.

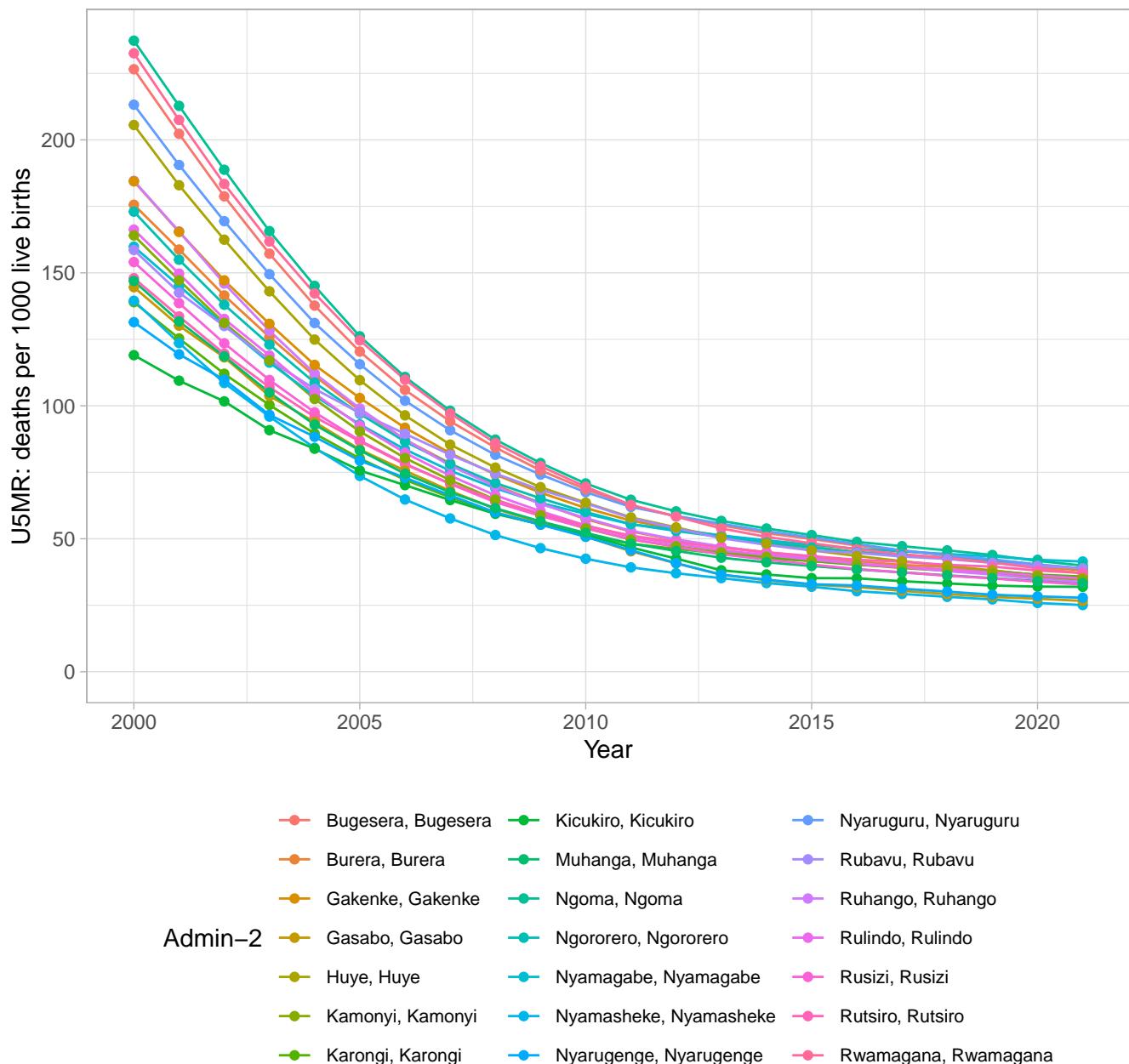
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