Country Summary: Mauritania

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1 Intro

These estimates are created using an unstratified BB8 model with subnational estimates using a RW2 main temporal effect and a RW2xICAR spatiotemporal interaction term with area-specific random slopes.

Mauritania has 13 Admin 1 areas and 44 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 2020	563	631	1194

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

Age	No. Deaths	No. Agemonths
DHS 2020		
0	921	35885
1-11	457	372962
12-23	125	383192
24-35	143	361869
36-47	56	339329
48-59	38	316564

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

Median	Interval	Age
29	(25.2,33.9)	0:
1	(1.2,1.7)	1-11:
0	(0.3,0.5)	12-23:
0	(0.4,0.6)	24-35:
0	(0.1,0.3)	36-47:
0	(0.1,0.2)	48-59:

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

2.2 Figures

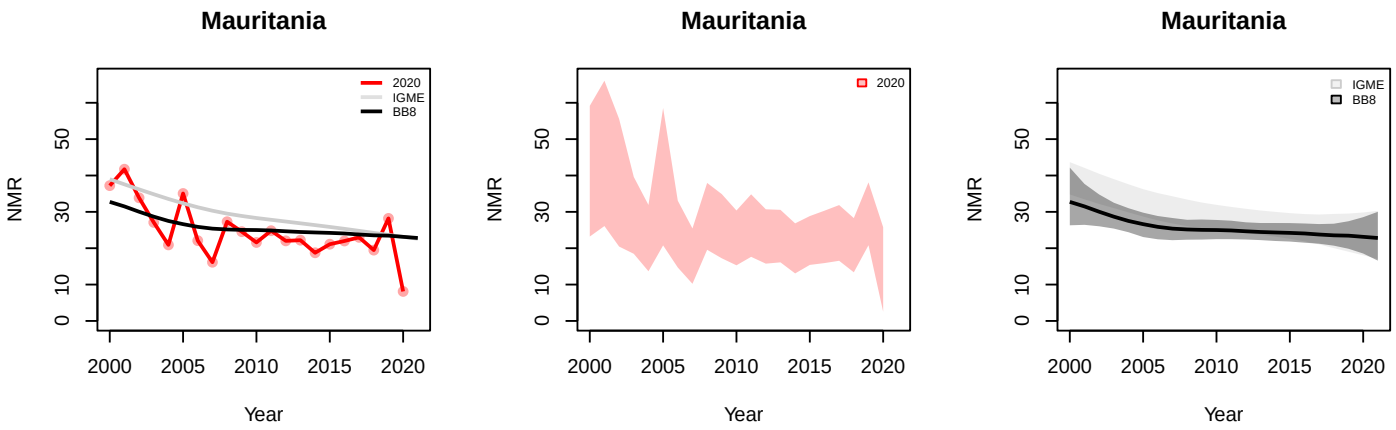


Figure 1: NMR results from the national BB8 model.

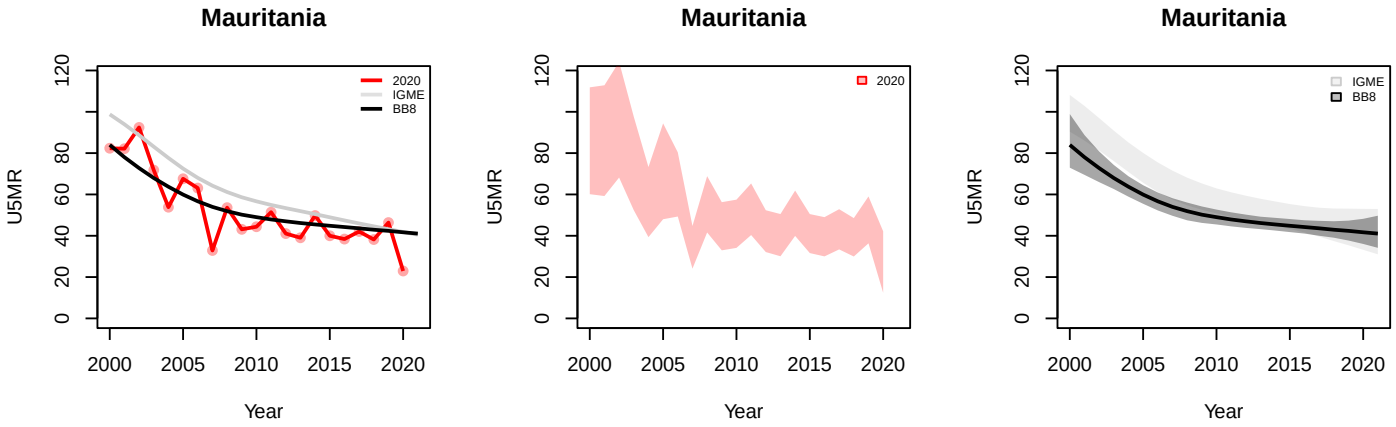


Figure 2: U5MR results from the national BB8 model.

3 Subnational Results

Figure 3: Top: The neighborhood structure of Admin 1 areas. Bottom: The neighborhood structure of Admin 2 areas.

3.1 Admin 1 Figures

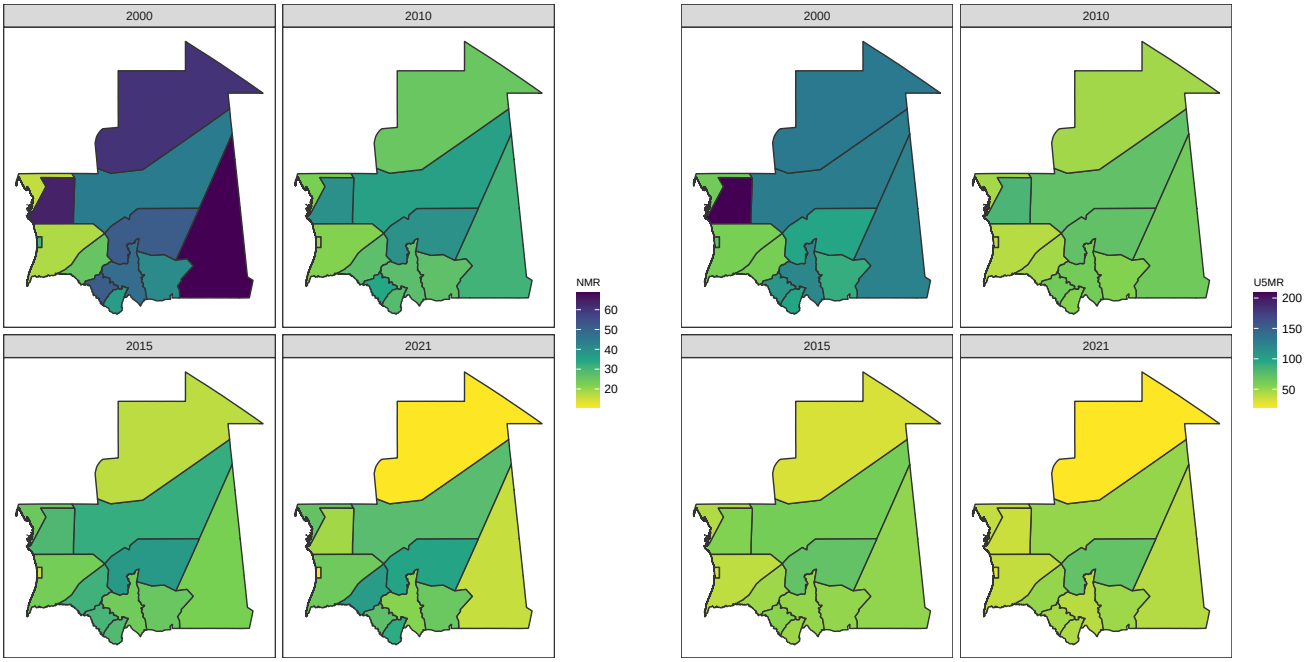
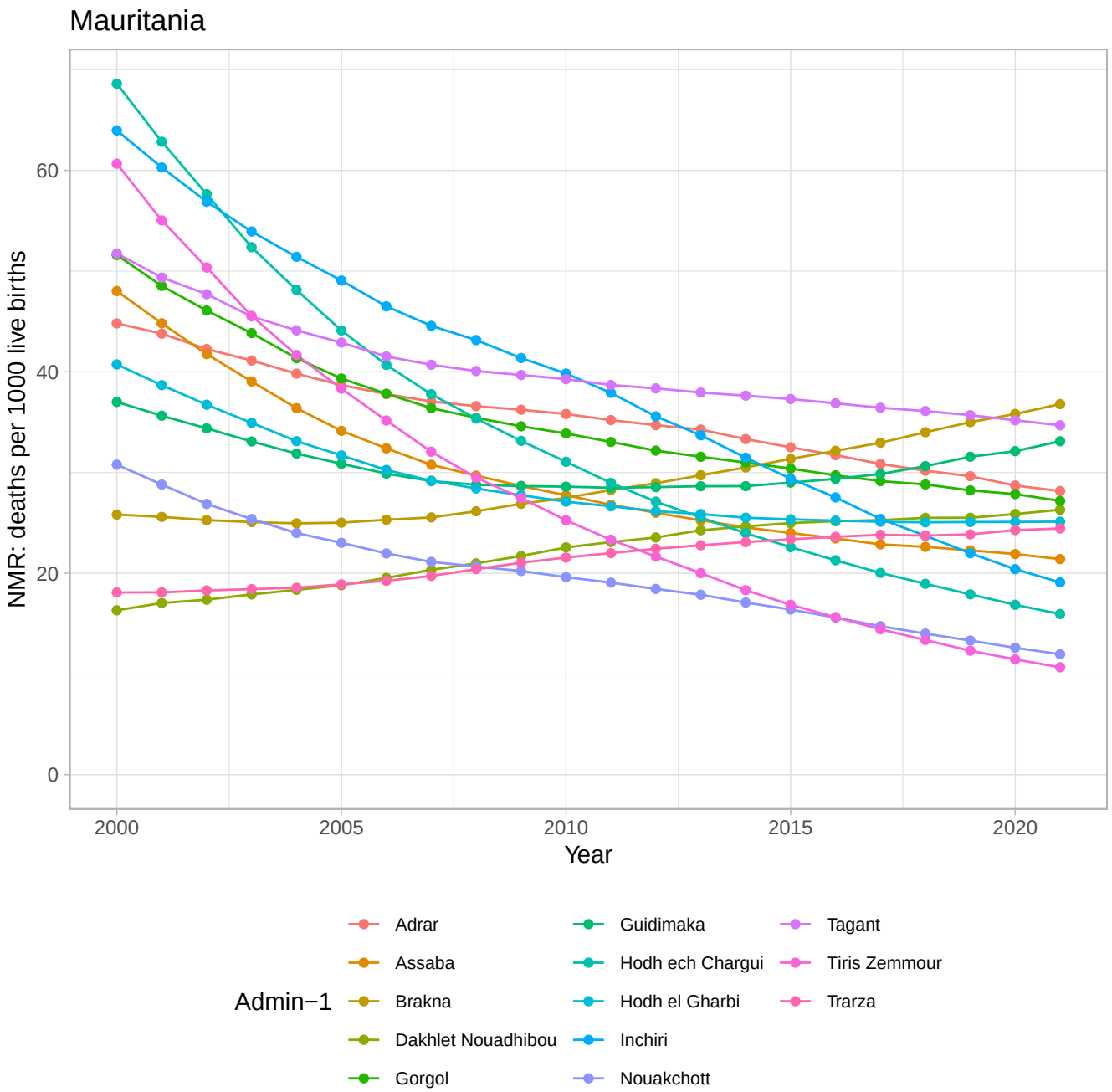
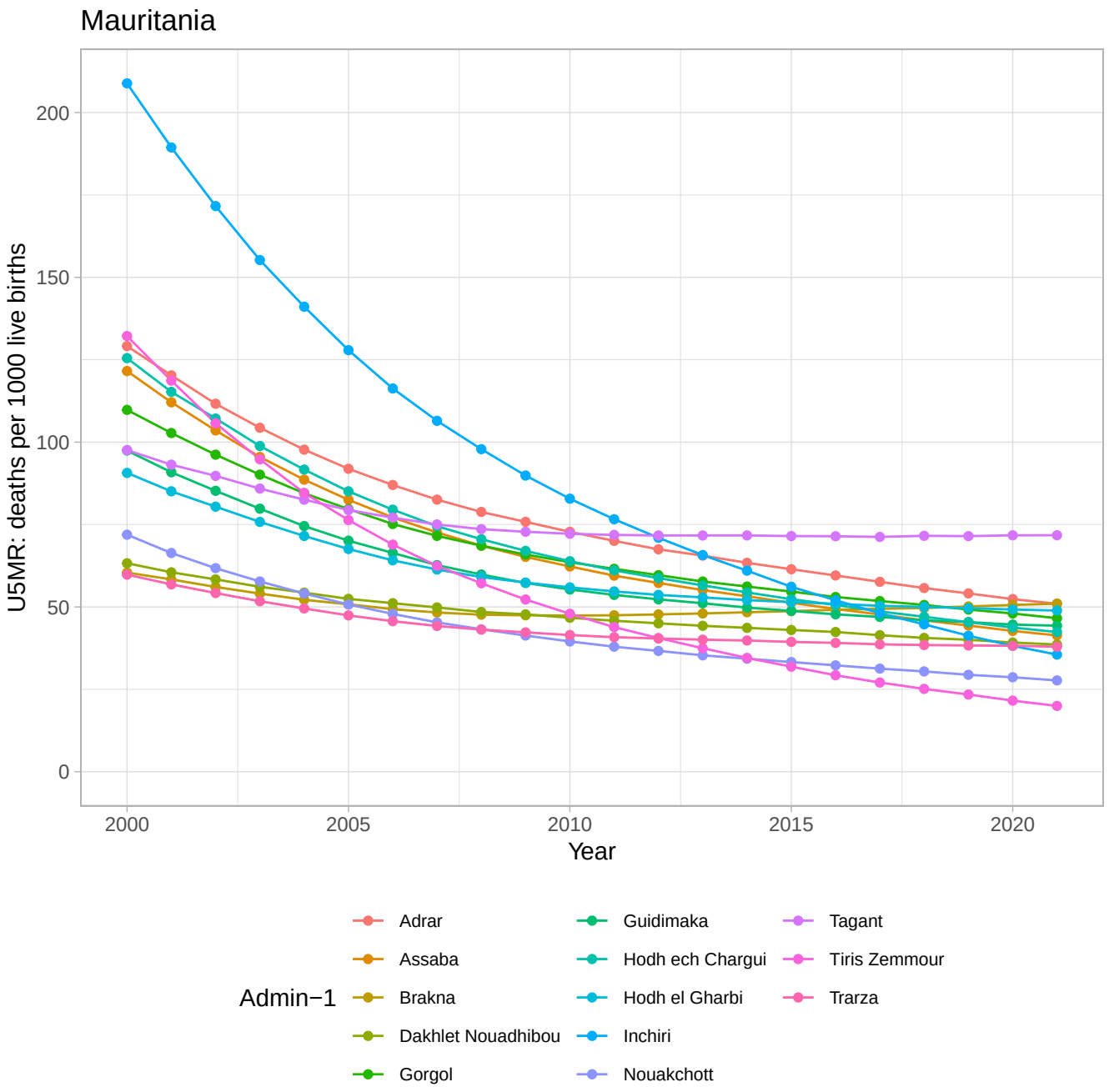


Figure 4: NMR (left) and U5MR (right) results in 2000, 2010, 2015, and 2021 from the Admin-1 BB8 model.


Mauritania
NMR: deaths per 1000 live births
60
40
20
0
2000
2005
2010
2015
2020
Year
Admin−1
Adrar
Assaba
Brakna
Dakhlet Nouadhibou
Gorgol
Guidimaka
Hodh ech Chargui
Hodh el Gharbi
Inchiri
Nouakchott
Tagant
Tiris Zemmour
Trarza


Mauritania
U5MR: deaths per 1000 live births
200
150
100
50
0
2000
2005
2010
2015
2020
Year
Admin−1
Adrar
Assaba
Brakna
Dakhlet Nouadhibou
Gorgol
Guidimaka
Hodh ech Chargui
Hodh el Gharbi
Inchiri
Nouakchott
Tagant
Tiris Zemmour
Trarza

3.2 Admin 2 Figures

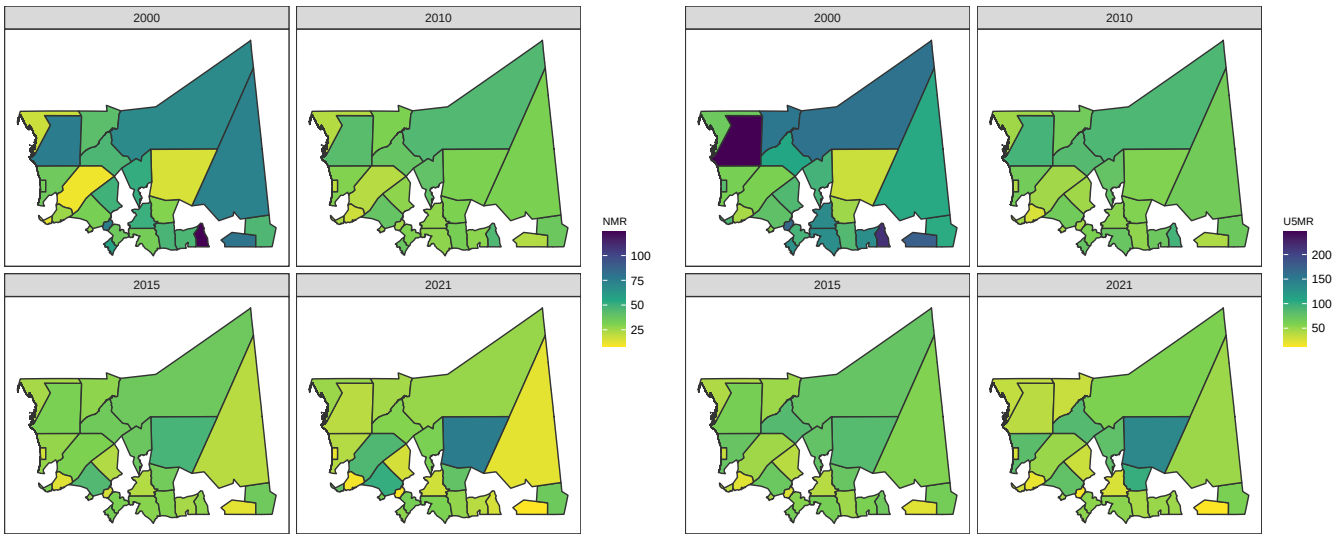
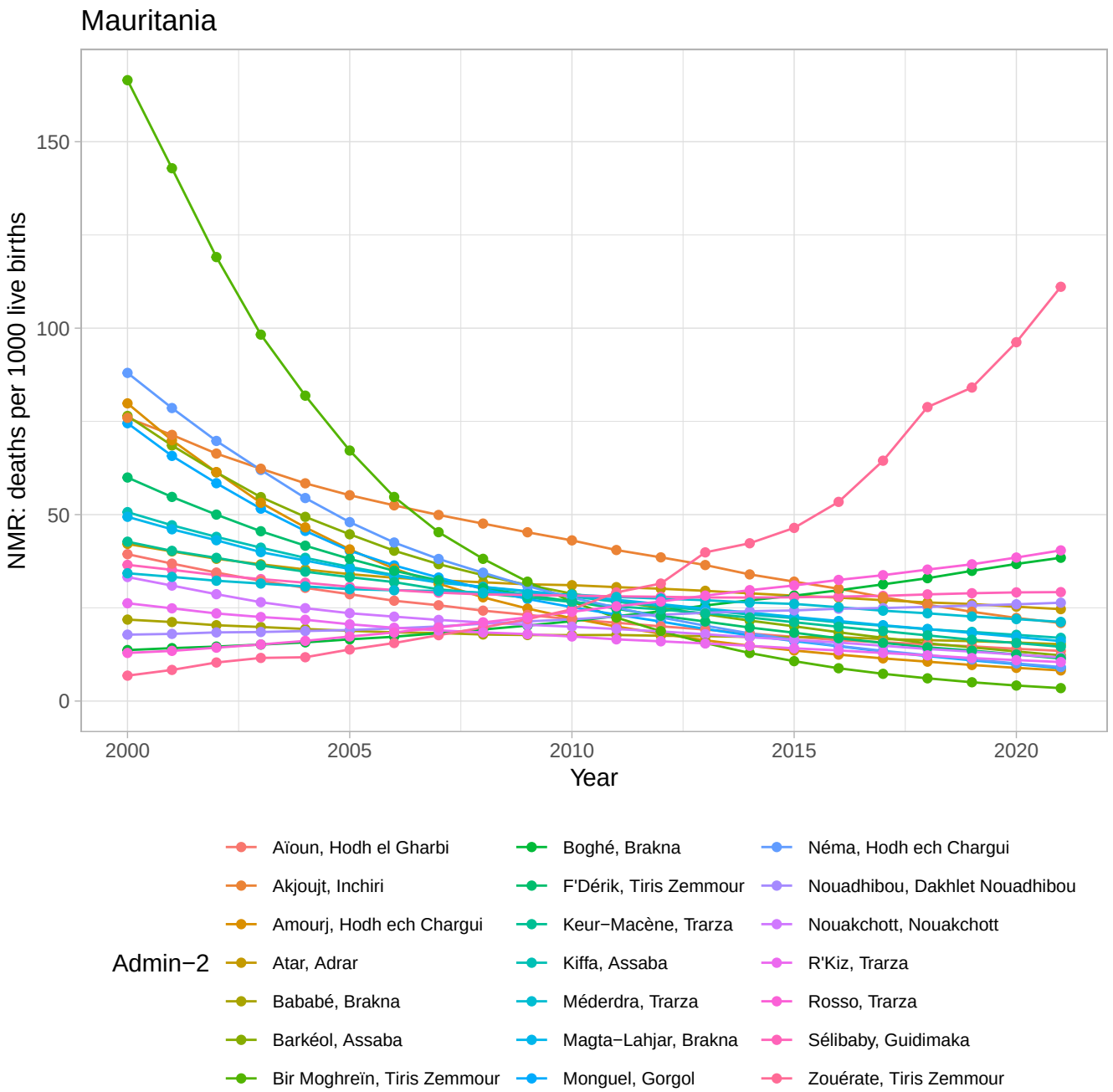
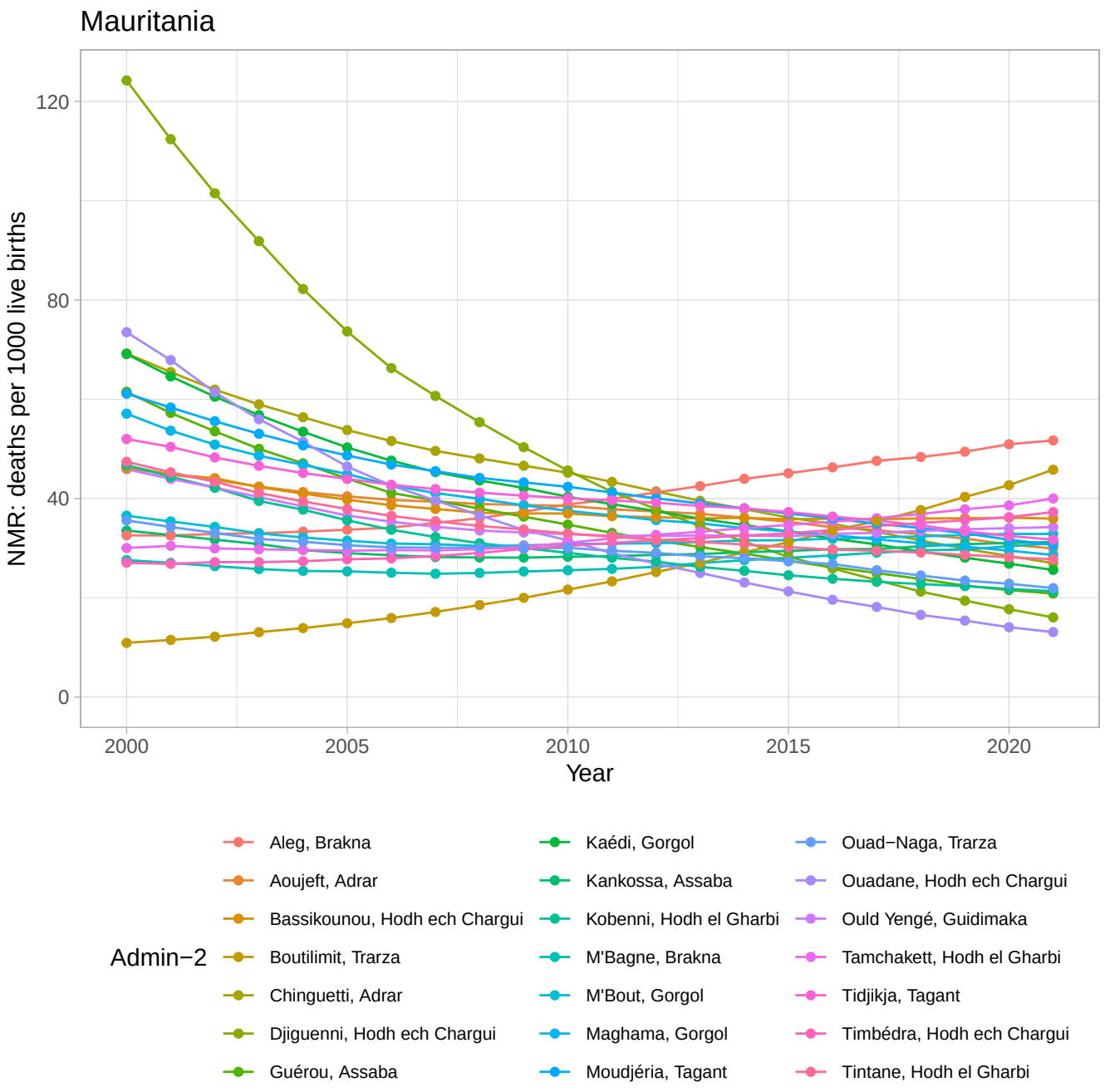
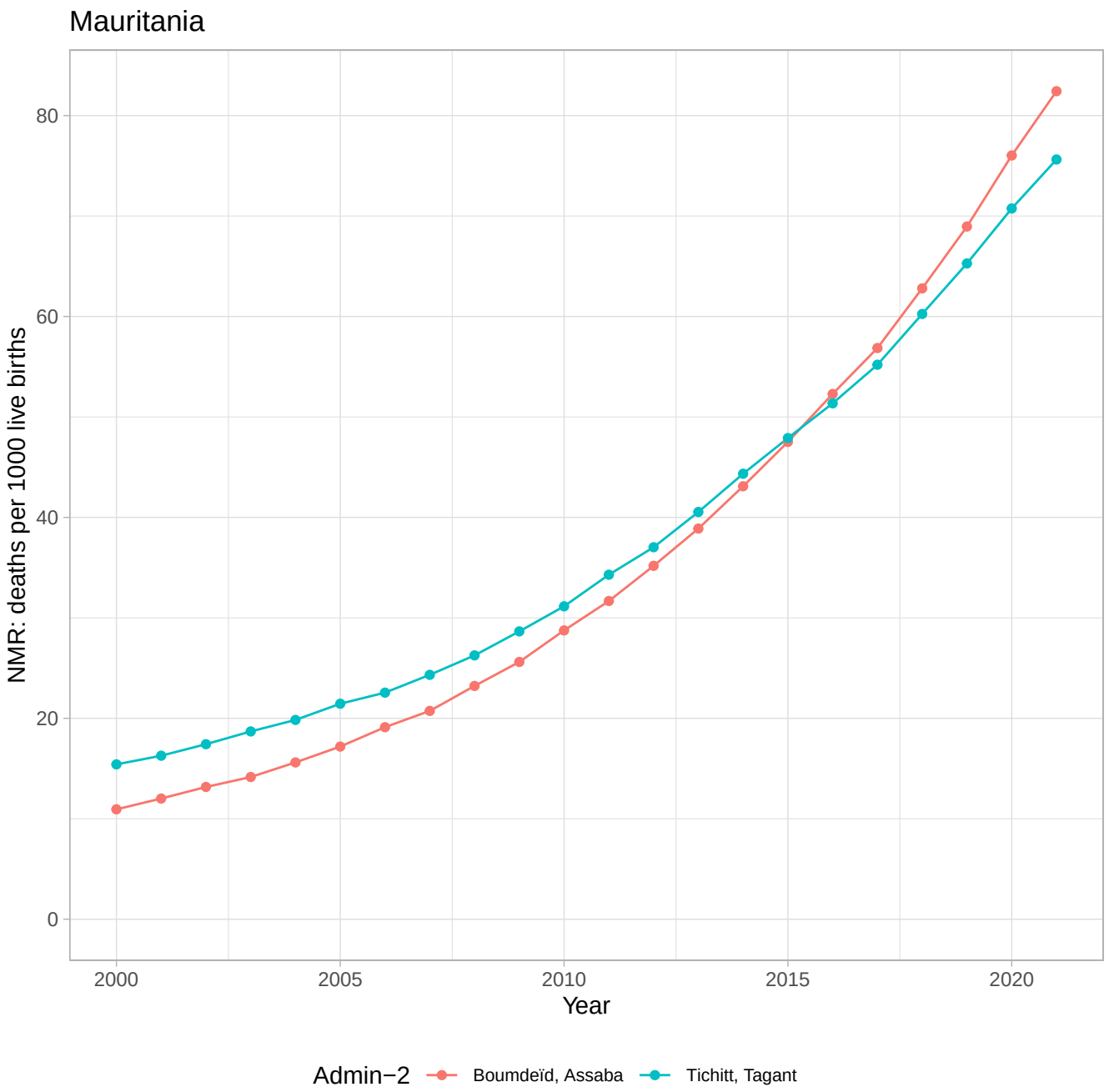
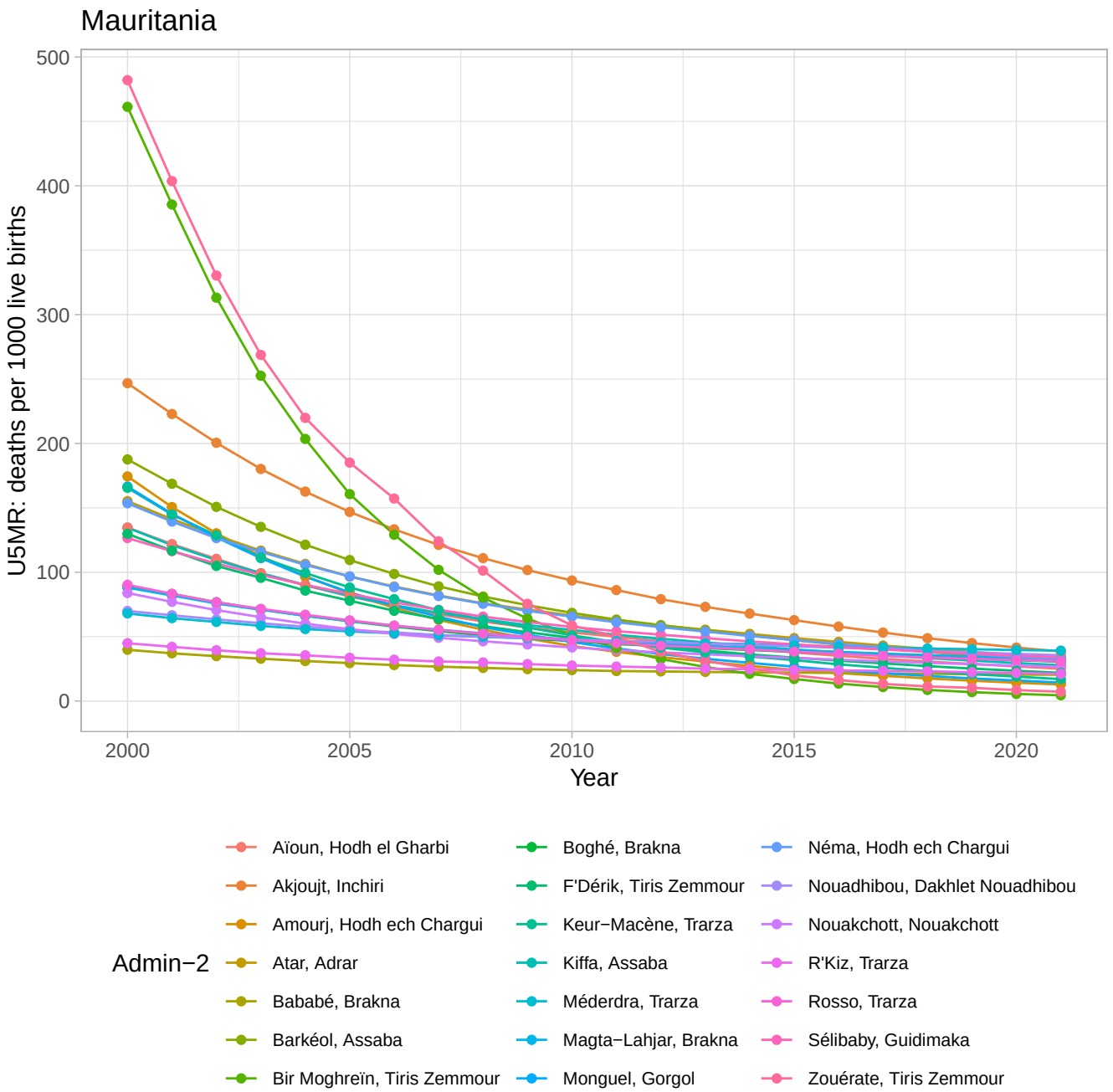


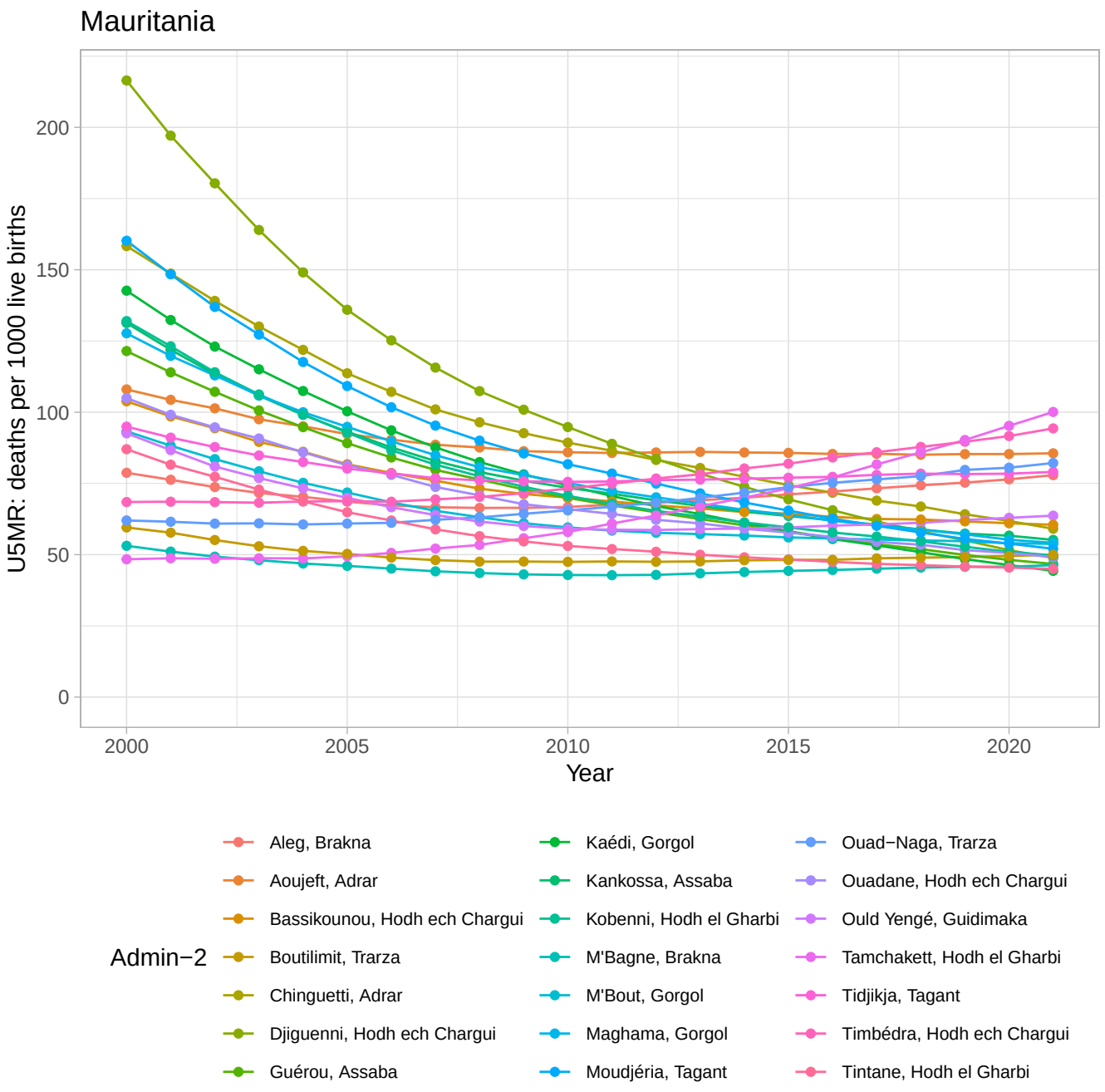
Figure 5: NMR (left) and U5MR (right) results in 2000, 2010, 2015, and 2021 from the Admin-2 BB8 model.

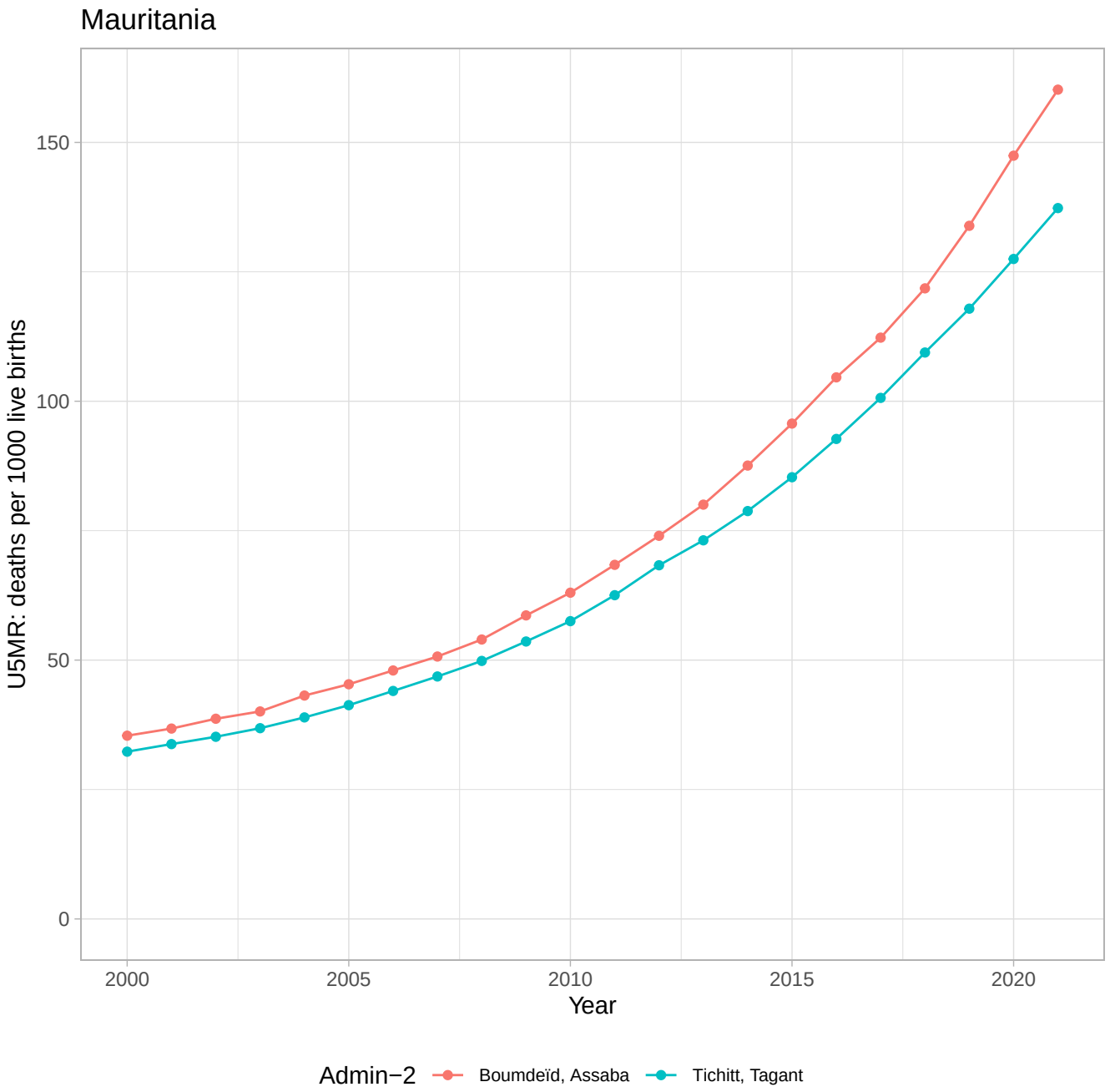

Mauritania
NMR: deaths per 1000 live births
150
100
50
0
2000
2005
2010
2015
2020
Year
Admin−2
Aïoun, Hodh el Gharbi
Akjoujt, Inchiri
Amourj, Hodh ech Chargui
Atar, Adrar
Bababé, Brakna
Barkéol, Assaba
Bir Moghreïn, Tiris Zemmour
Boghé, Brakna
F'Dérik, Tiris Zemmour
Keur−Macène, Trarza
Kiffa, Assaba
Méderdra, Trarza
Magta−Lahjar, Brakna
Monguel, Gorgol
Néma, Hodh ech Chargui
Nouadhibou, Dakhlet Nouadhibou
Nouakchott, Nouakchott
R'Kiz, Trarza
Rosso, Trarza
Sélibaby, Guidimaka
Zouérate, Tiris Zemmour


Mauritania
NMR: deaths per 1000 live births
120
80
40
0
2000
2005
2010
2015
2020
Year
Admin−2
Aleg, Brakna
Aoujeft, Adrar
Bassikounou, Hodh ech Chargui
Boutilimit, Trarza
Chinguetti, Adrar
Djiguenni, Hodh ech Chargui
Guérou, Assaba
Kaédi, Gorgol
Kankossa, Assaba
Kobenni, Hodh el Gharbi
M'Bagne, Brakna
M'Bout, Gorgol
Maghama, Gorgol
Moudjéria, Tagant
Ouad−Naga, Trarza
Ouadane, Hodh ech Chargui
Ould Yengé, Guidimaka
Tamchakett, Hodh el Gharbi
Tidjikja, Tagant
Timbédra, Hodh ech Chargui
Tintane, Hodh el Gharbi


Mauritania
NMR: deaths per 1000 live births
0
20
40
60
80
2000
2005
2010
2015
2020
Year
Admin−2
Boumdeïd, Assaba
Tichitt, Tagant


Mauritania
U5MR: deaths per 1000 live births
500
400
300
200
100
0
2000
2005
2010
2015
2020
Year
Admin−2
Aïoun, Hodh el Gharbi
Akjoujt, Inchiri
Amourj, Hodh ech Chargui
Atar, Adrar
Bababé, Brakna
Barkéol, Assaba
Bir Moghreïn, Tiris Zemmour
Boghé, Brakna
F'Dérik, Tiris Zemmour
Keur−Macène, Trarza
Kiffa, Assaba
Méderdra, Trarza
Magta−Lahjar, Brakna
Monguel, Gorgol
Néma, Hodh ech Chargui
Nouadhibou, Dakhlet Nouadhibou
Nouakchott, Nouakchott
R'Kiz, Trarza
Rosso, Trarza
Sélibaby, Guidimaka
Zouérate, Tiris Zemmour


Mauritania
U5MR: deaths per 1000 live births
200
150
100
50
0
2000
2005
2010
2015
2020
Year
Admin−2
Aleg, Brakna
Aoujeft, Adrar
Bassikounou, Hodh ech Chargui
Boutilimit, Trarza
Chinguetti, Adrar
Djiguenni, Hodh ech Chargui
Guérou, Assaba
Kaédi, Gorgol
Kankossa, Assaba
Kobenni, Hodh el Gharbi
M'Bagne, Brakna
M'Bout, Gorgol
Maghama, Gorgol
Moudjéria, Tagant
Ouad−Naga, Trarza
Ouadane, Hodh ech Chargui
Ould Yengé, Guidimaka
Tamchakett, Hodh el Gharbi
Tidjikja, Tagant
Timbédra, Hodh ech Chargui
Tintane, Hodh el Gharbi


Mauritania
150
100
50
0
U5MR: deaths per 1000 live births
2000
2005
2010
2015
2020
Year
Admin−2
Boumdeïd, Assaba
Tichitt, Tagant