

COVID-19 situation report for WHO Africa Region
26/06/2020

Produced by the TIBA COVID-19 Pandemic Response Unit



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Section 1: Overview of WHO Africa Region 25/06/2020

Overview



Total Reported Cases
245583

Total Reported Deaths
5405

Methods

We compare the size and rate of increase of the COVID-19 epidemic across the countries included in WHO Africa Region.

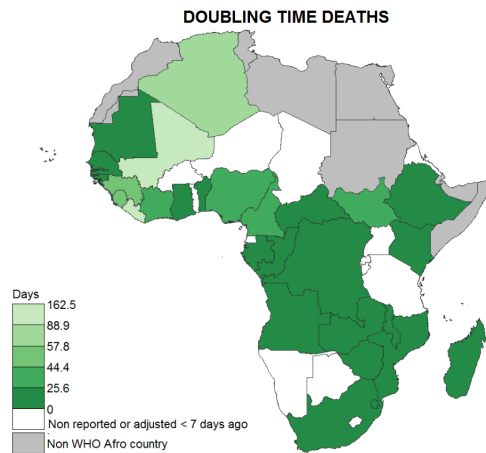
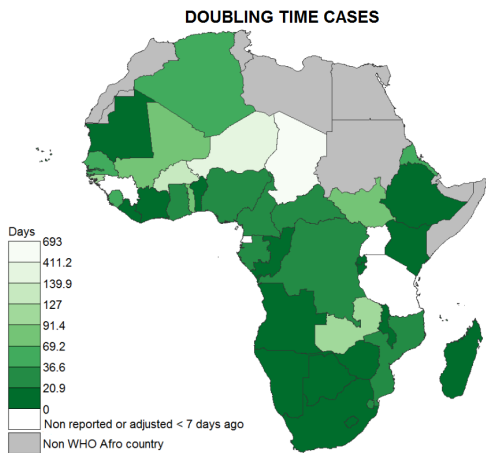
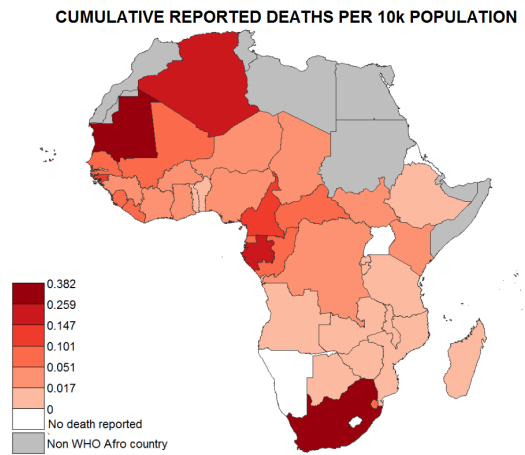
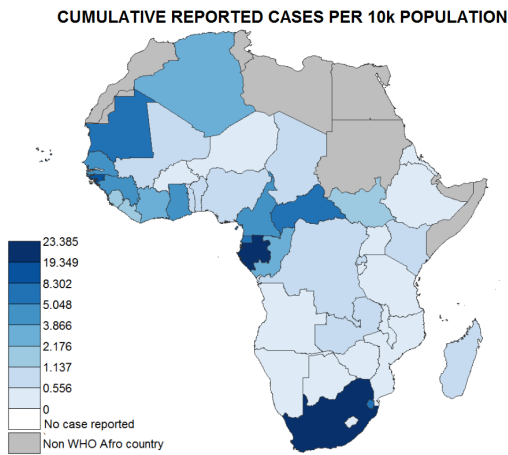
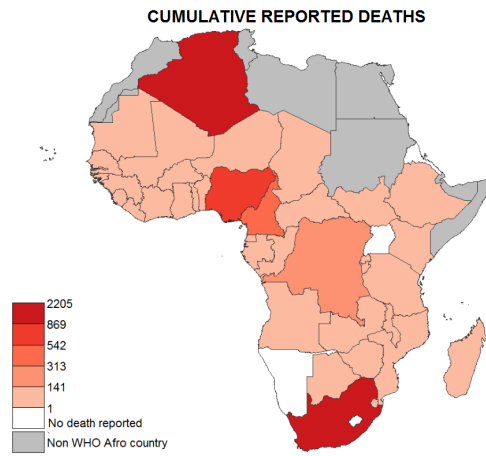
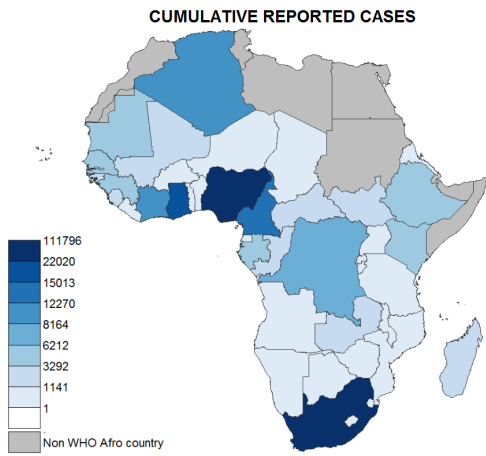
The maps below summarise the in-country situations:

- Top row: cumulative reported cases (left) and deaths (right).
- Middle row: cumulative reported cases (left) and deaths (right) per 10,000 population on a log10 scale.
- Bottom row: overview of doubling time of cumulative reported cases (left) and deaths (right). Doubling times are estimated over a 7 day period up to 25/06/2020. Doubling time is an easily understood measure of how fast the epidemic is growing when the case reproduction number, R , is greater than 1. The lower the doubling time the faster the national COVID-19 epidemic is growing. For individual country plots we use a related metric, the relative increase in the size of the national epidemic over the past 7 days. A relative increase of 2 corresponds to a doubling time of exactly 7 days.

Caveats:

- Colour scales are non-linear and are re-calibrated every week.
- WHO African region countries shaded in white either have no reported deaths/cases or, for doubling time calculations, have reduced their cumulative total cases/deaths in the last 7 days due to retrospective changes in reporting procedures.

Summary maps



Section 2: Individual country situations

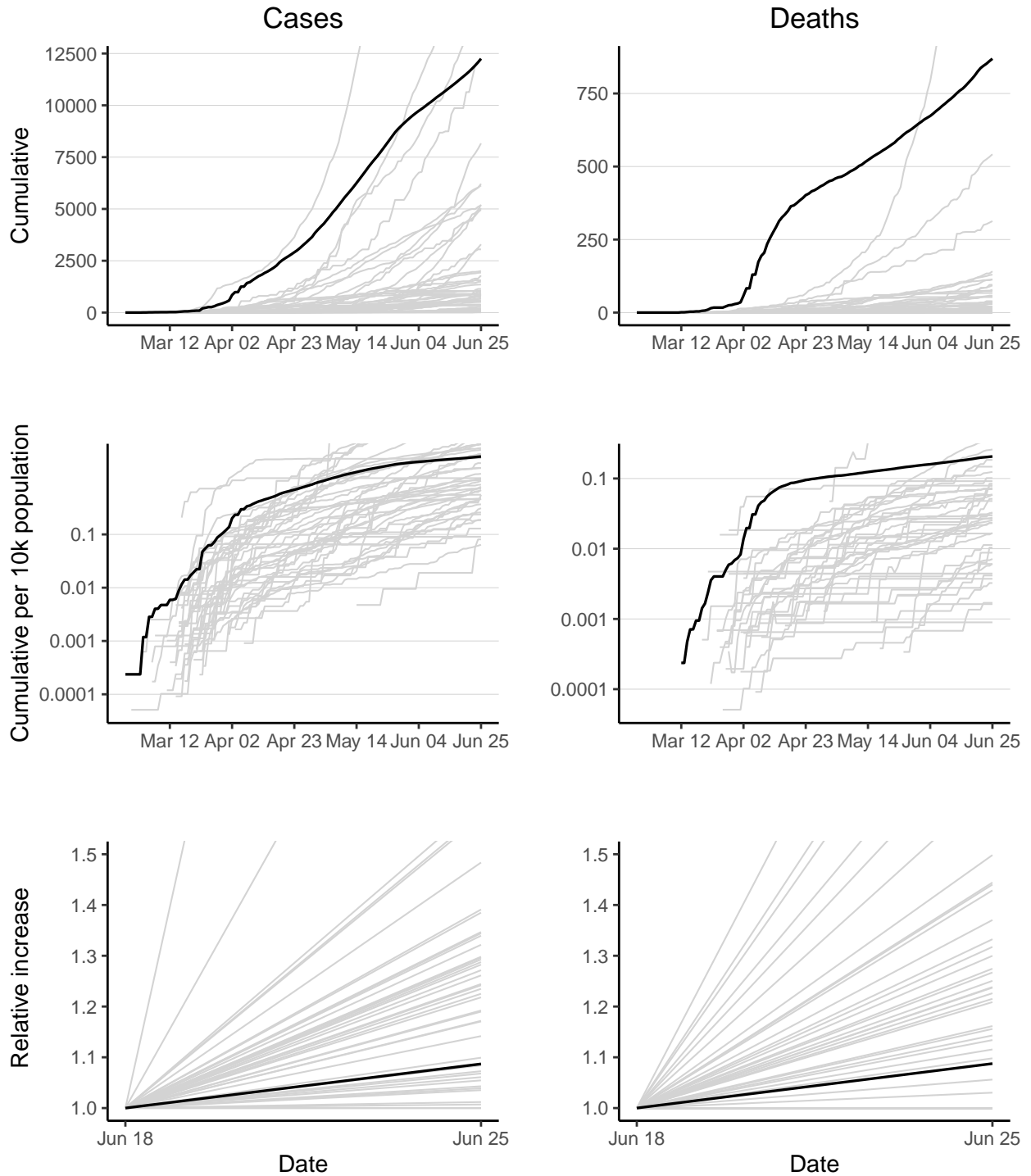
As of 25/06/2020, each panel below shows for each country:

- Top row: cumulative reported cases (left) and deaths (right).
- Middle row: cumulative reported cases (left) and deaths (right) per 10,000 population on a log10 scale.
- Bottom row: relative increase in cumulative number of cases (left) and deaths (right) over the 7 day period leading up to 25/06/2020. A relative increase of 2 corresponds to a doubling time of exactly 7 days.

Caveats;

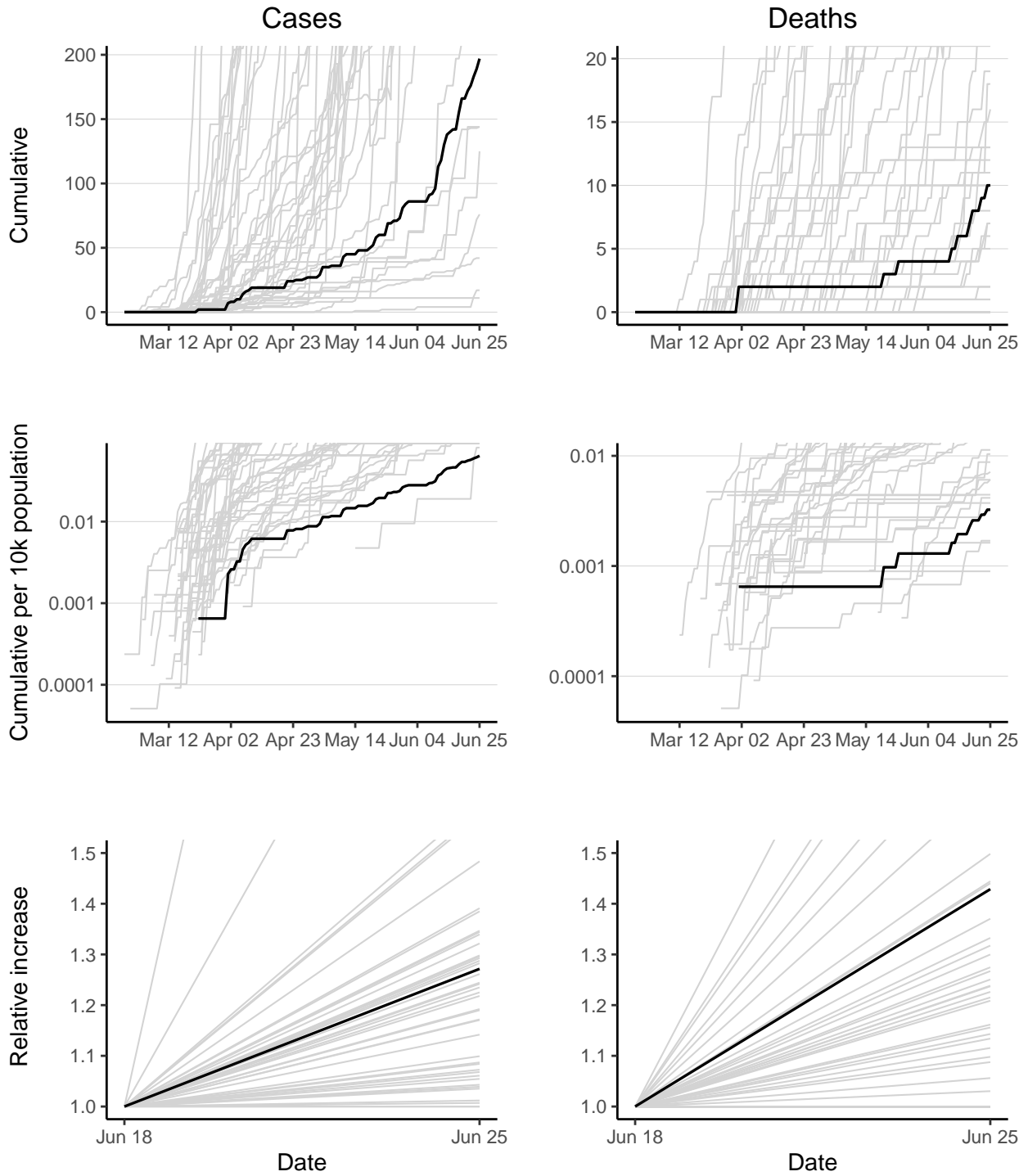
- Retrospective changes in reporting policy may cause cumulative deaths/cases counts to drop as described in WHO Sit Rep Number 105, published on 04/05/2020.

Algeria



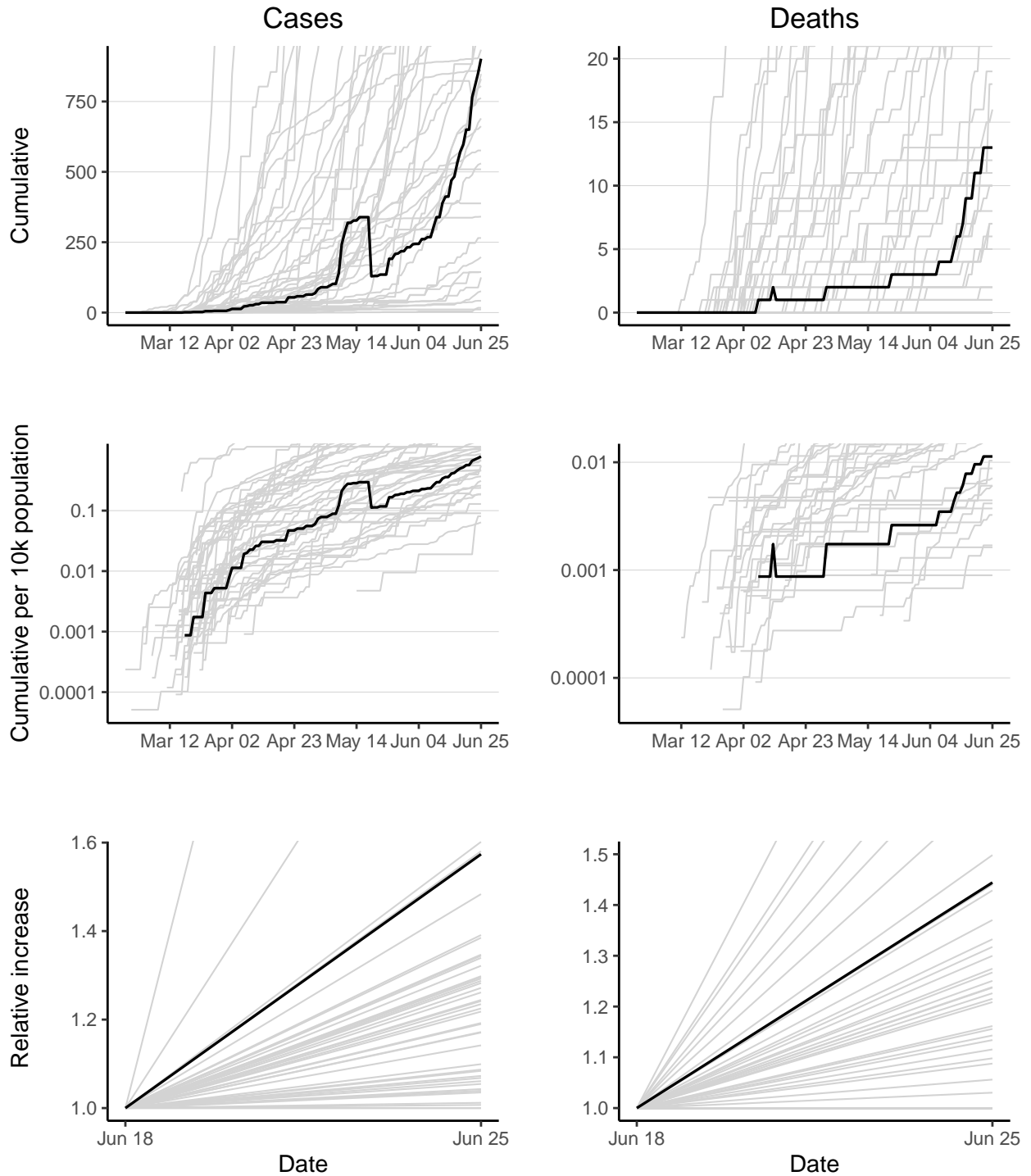
Algeria has 12248 reported case(s) (5th in the region) and 869 reported death(s) (2nd). Cumulative counts per 10,000 population of reported cases and deaths are 2.9 (16th) and 0.21 (4th) respectively. The doubling times of reported cases and deaths over the last 7 days are 58.2 days (31st) and 57.8 days (29th).

Angola



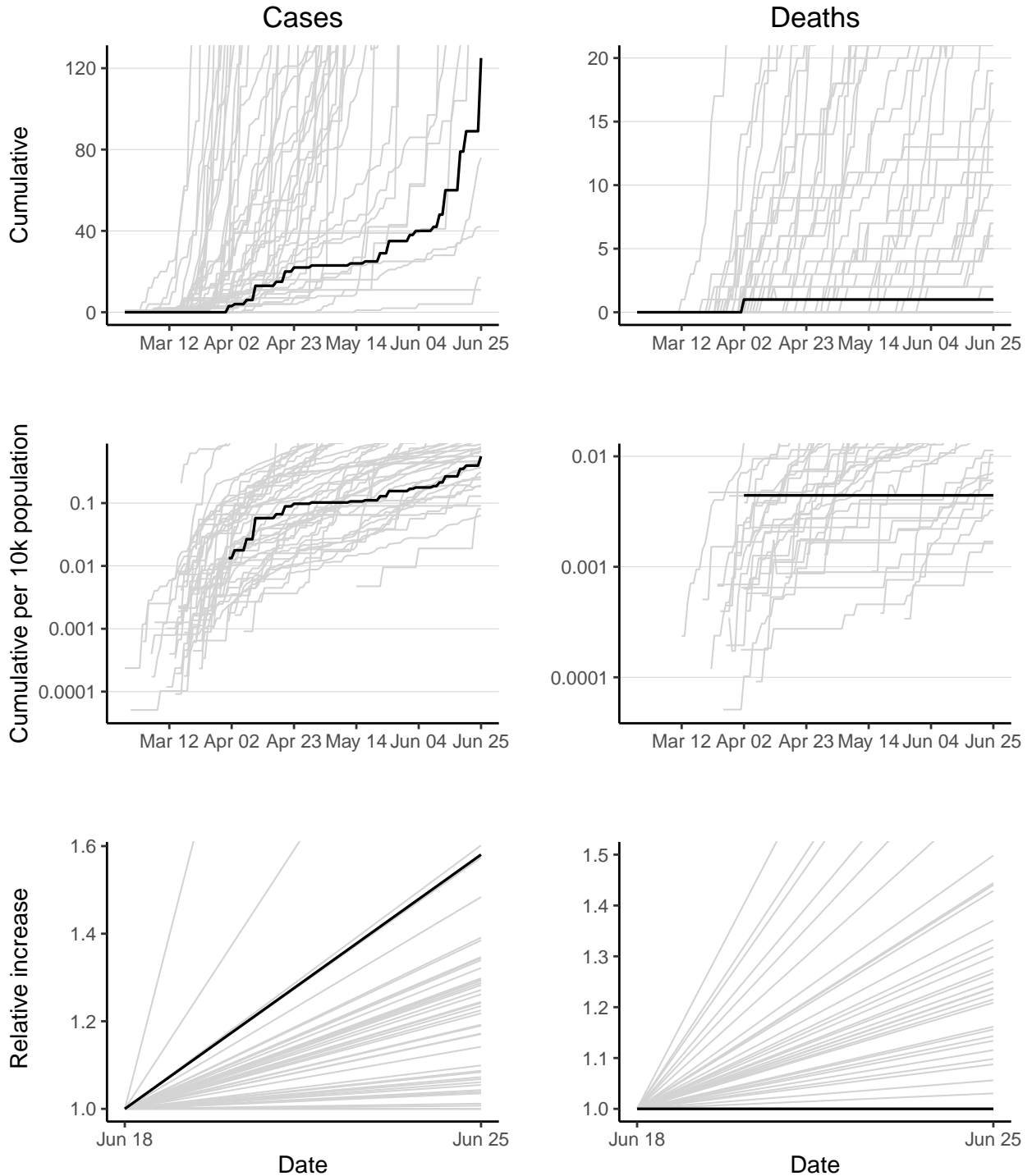
Angola has 197 reported case(s) (40th in the region) and 10 reported death(s) (31st). Cumulative counts per 10,000 population of reported cases and deaths are 0.064 (47th) and 0.0032 (39th) respectively. The doubling times of reported cases and deaths over the last 7 days are 20.2 days (18th) and 13.6 days (10th).

Benin



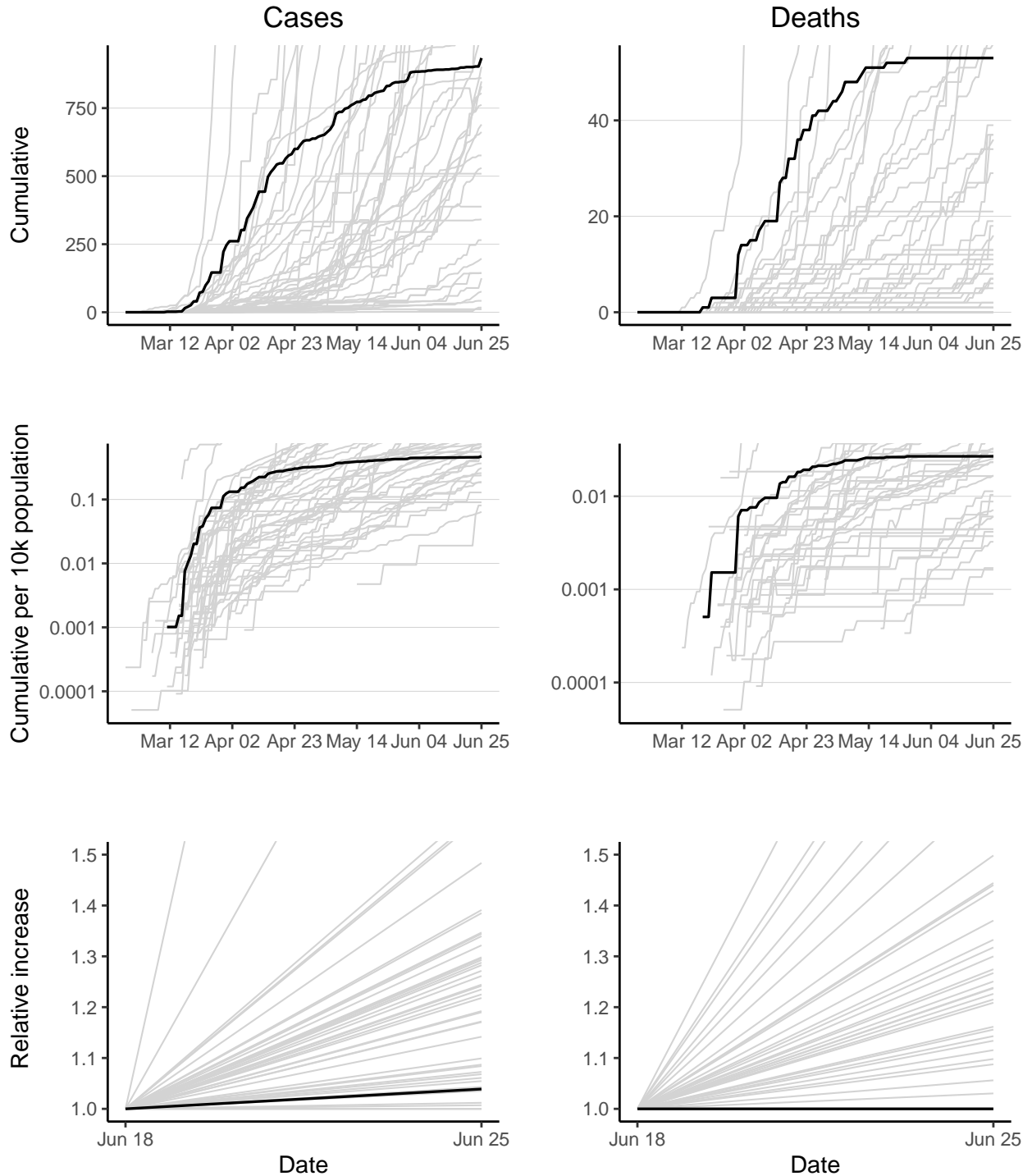
Benin has 902 reported case(s) (26th in the region) and 13 reported death(s) (27th). Cumulative counts per 10,000 population of reported cases and deaths are 0.79 (27th) and 0.011 (30th) respectively. The doubling times of reported cases and deaths over the last 7 days are 10.7 days (5th) and 13.2 days (8th).

Botswana



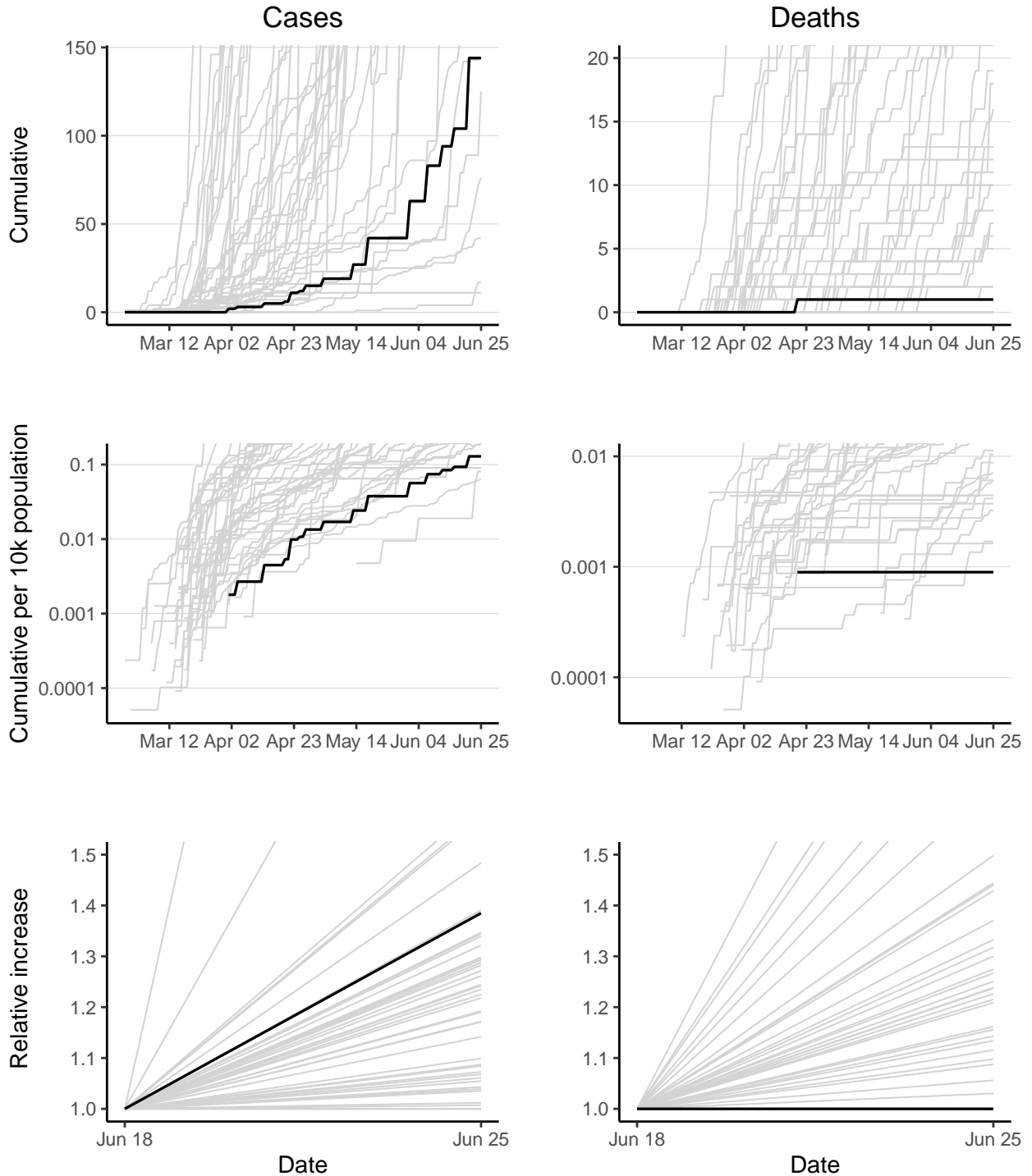
Botswana has 125 reported case(s) (43rd in the region) and 1 reported death(s) (41st). Cumulative counts per 10,000 population of reported cases and deaths are 0.55 (33rd) and 0.0044 (36th) respectively. The doubling time of reported cases over the last 7 days is 10.6 days (4th). The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Burkina Faso



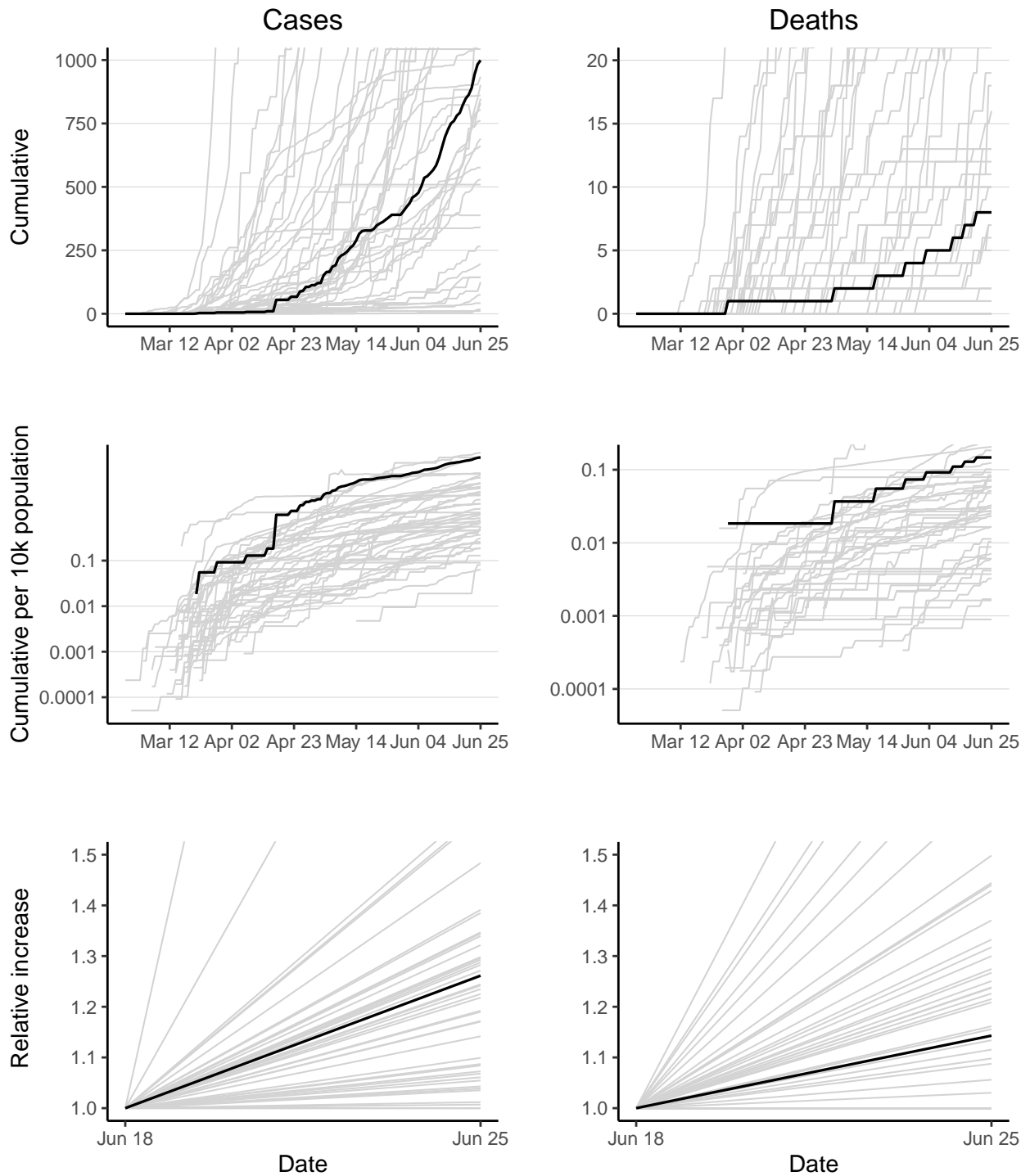
Burkina Faso has 934 reported case(s) (25th in the region) and 53 reported death(s) (16th). Cumulative counts per 10,000 population of reported cases and deaths are 0.47 (34th) and 0.027 (24th) respectively. The doubling time of reported cases over the last 7 days is 127 days (38th). The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Burundi



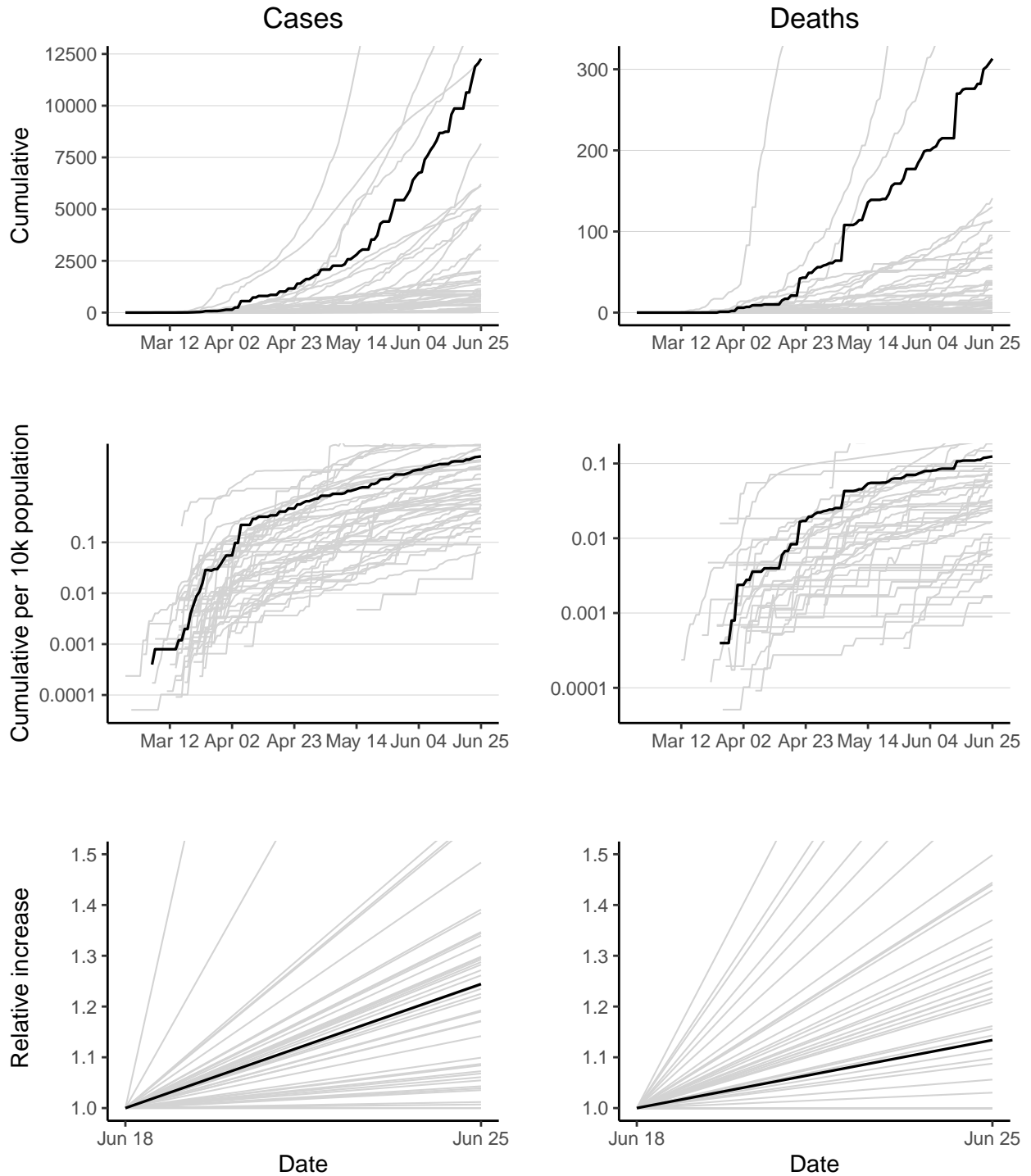
Burundi has 144 reported case(s) (41st in the region) and 1 reported death(s) (42nd). Cumulative counts per 10,000 population of reported cases and deaths are 0.13 (44th) and 0.00089 (42nd) respectively. The doubling time of reported cases over the last 7 days is 14.9 days (8th). The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Cabo Verde



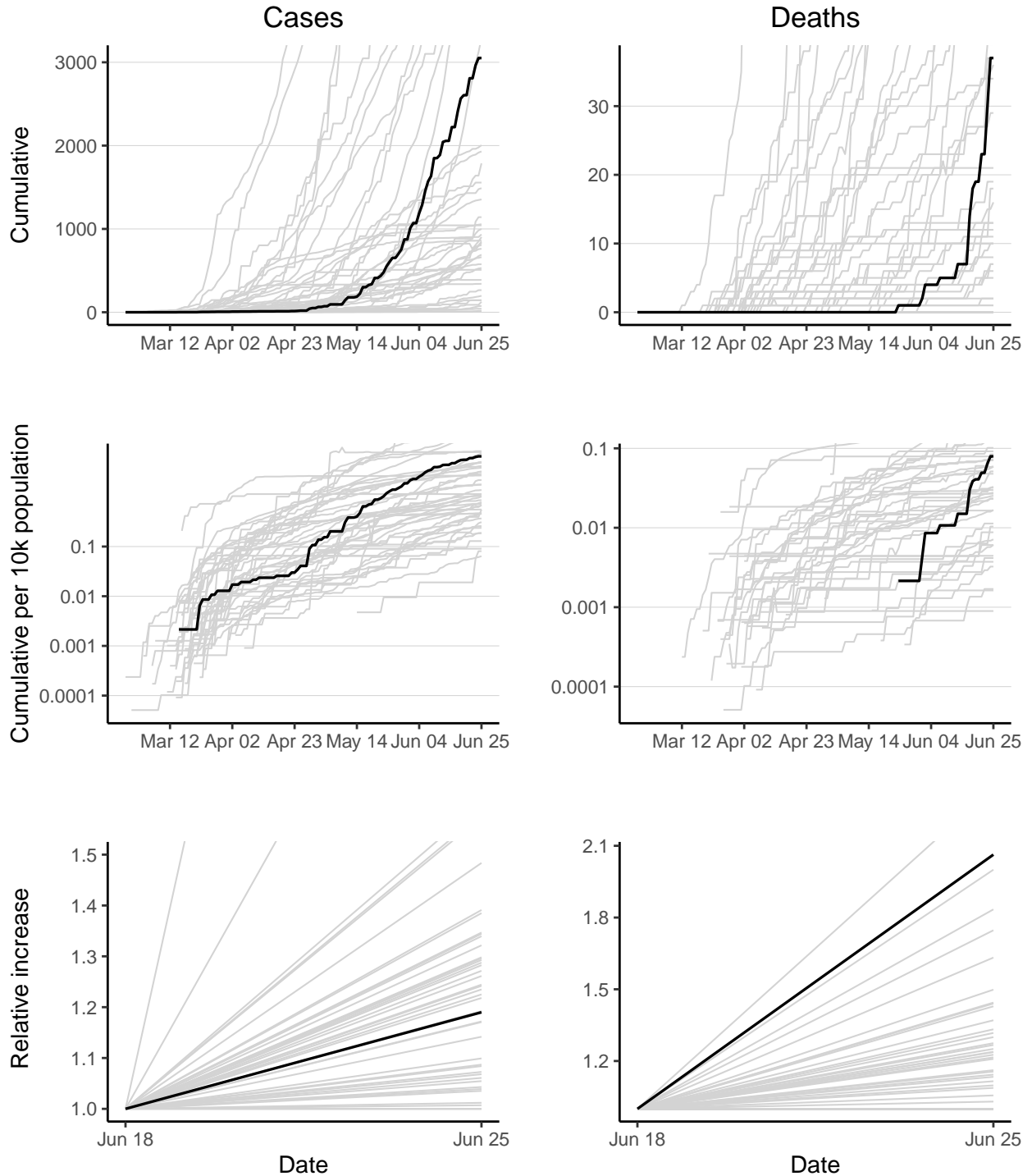
Cabo Verde has 999 reported case(s) (24th in the region) and 8 reported death(s) (34th). Cumulative counts per 10,000 population of reported cases and deaths are 18 (4th) and 0.15 (6th) respectively. The doubling times of reported cases and deaths over the last 7 days are 20.9 days (19th) and 36.3 days (25th).

Cameroon



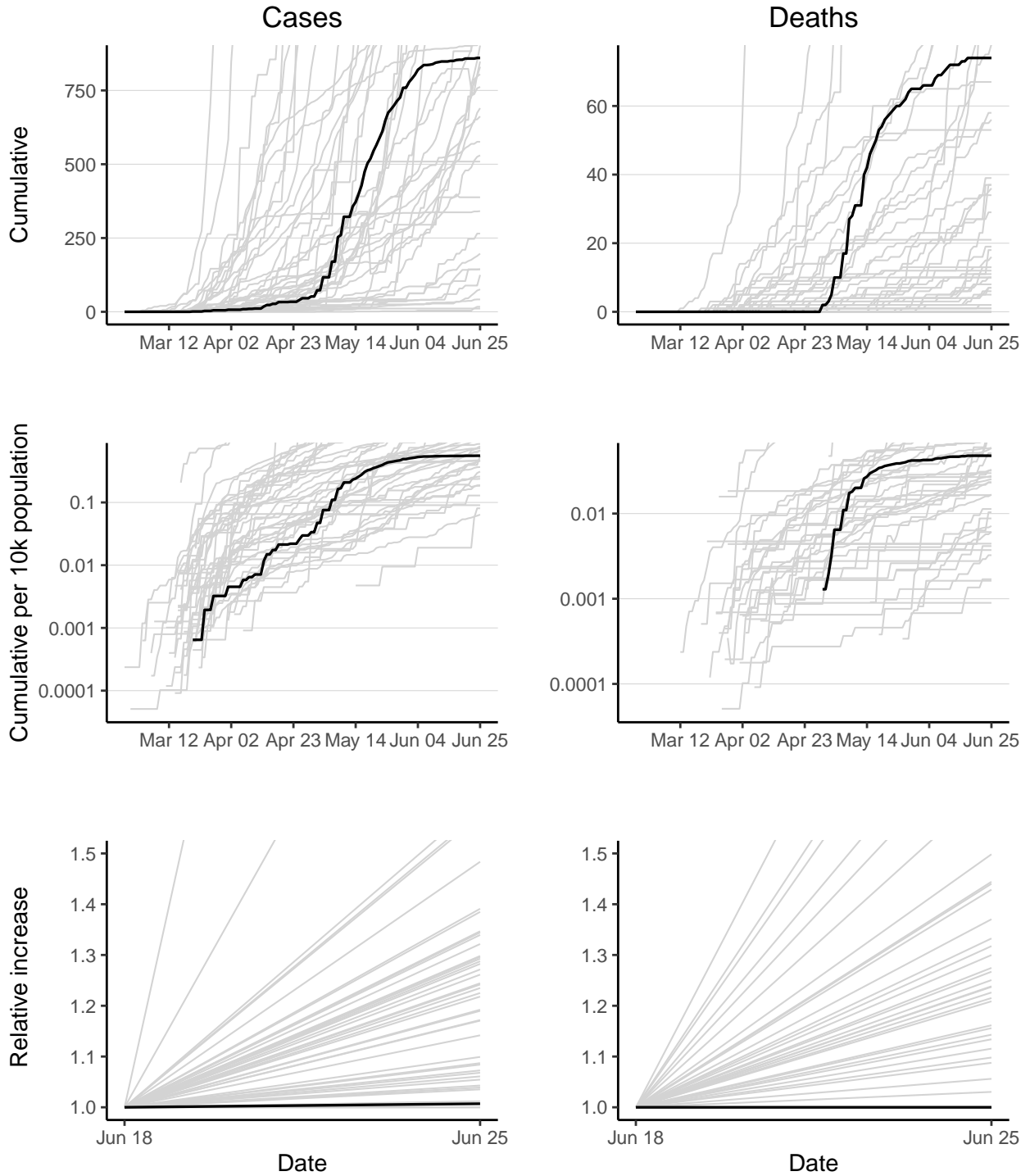
Cameroon has 12270 reported case(s) (4th in the region) and 313 reported death(s) (4th). Cumulative counts per 10,000 population of reported cases and deaths are 4.9 (11th) and 0.12 (7th) respectively. The doubling times of reported cases and deaths over the last 7 days are 22.2 days (20th) and 38.6 days (26th).

Central African Republic



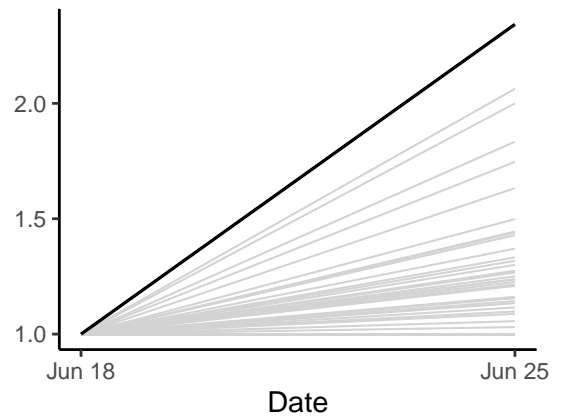
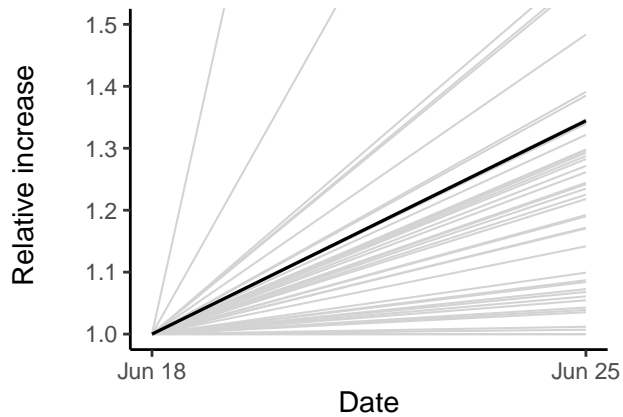
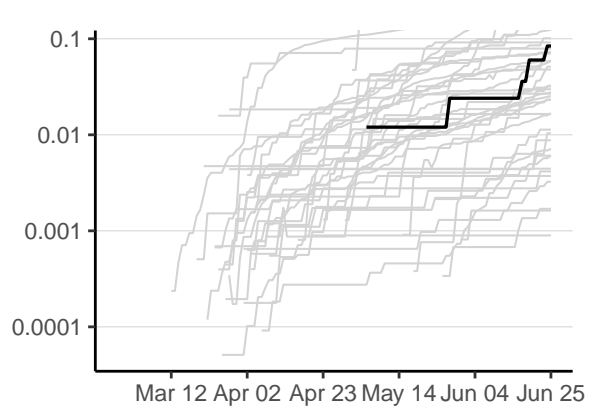
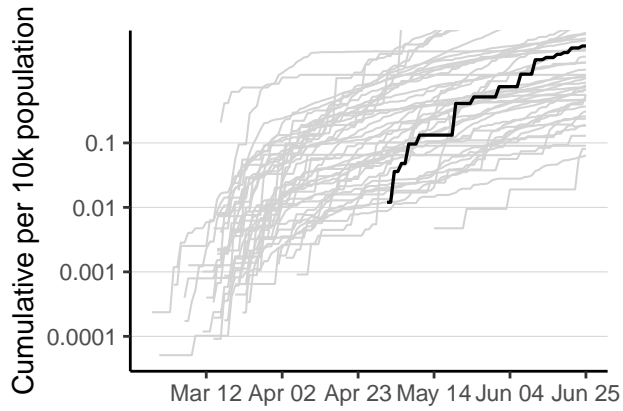
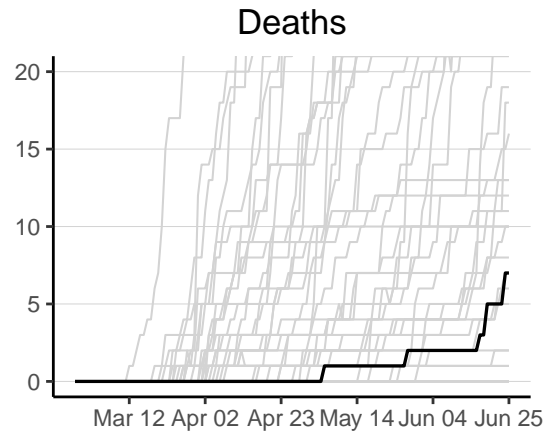
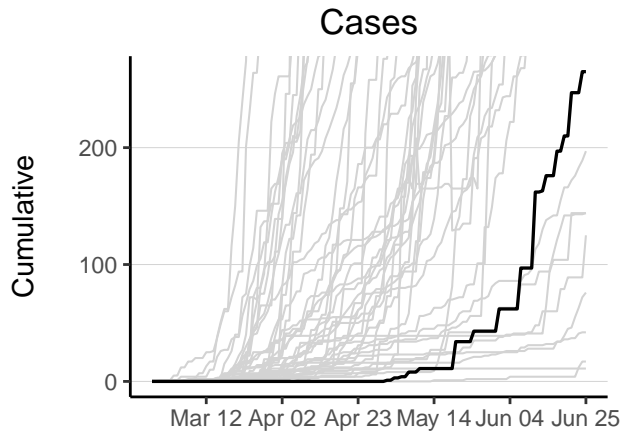
Central African Republic has 3051 reported case(s) (14th in the region) and 37 reported death(s) (18th). Cumulative counts per 10,000 population of reported cases and deaths are 6.5 (8th) and 0.079 (11th) respectively. The doubling times of reported cases and deaths over the last 7 days are 27.9 days (26th) and 6.7 days (2nd).

Chad



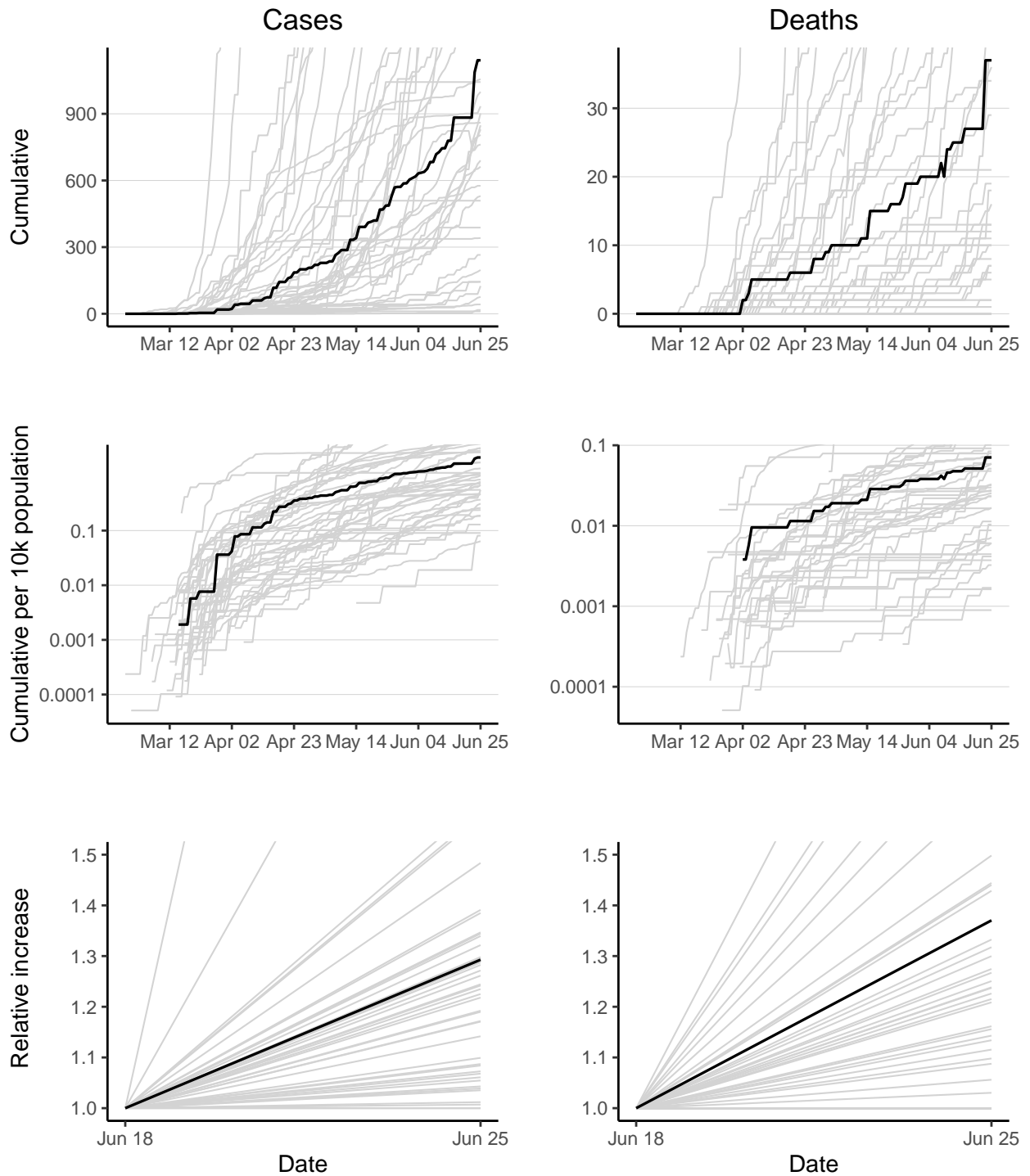
Chad has 860 reported case(s) (27th in the region) and 74 reported death(s) (12th). Cumulative counts per 10,000 population of reported cases and deaths are 0.56 (32nd) and 0.048 (19th) respectively. The doubling time of reported cases over the last 7 days is 693 days (41st). The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Comoros



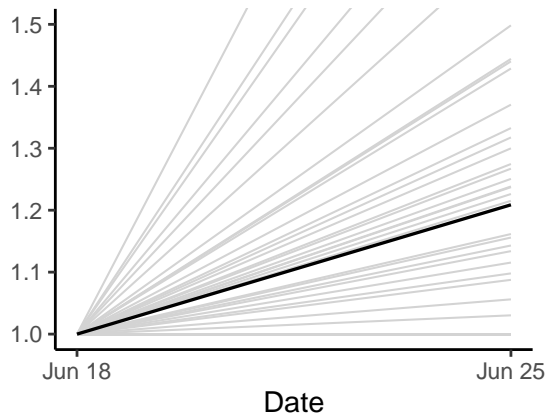
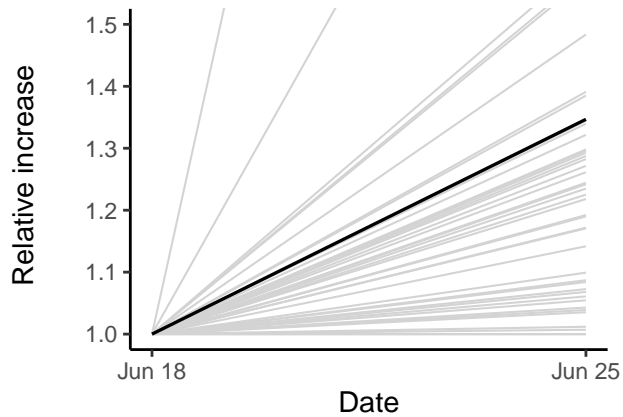
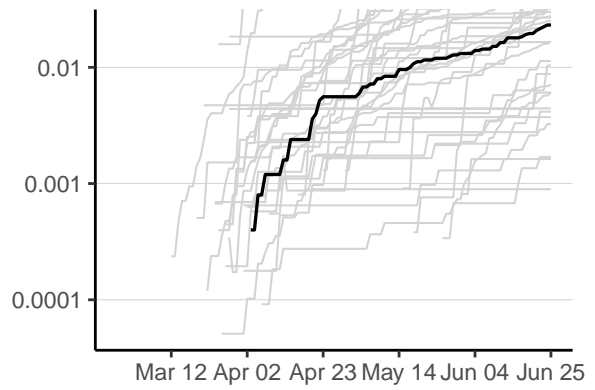
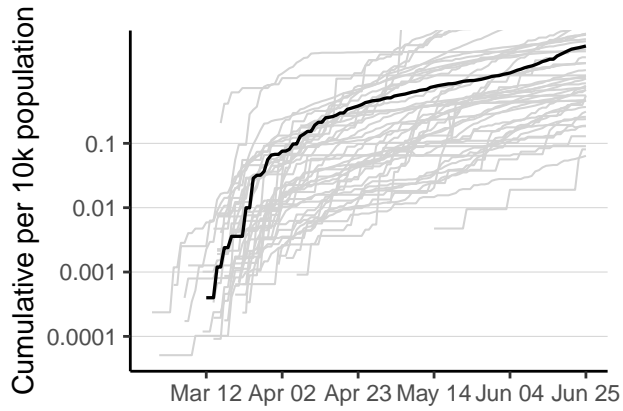
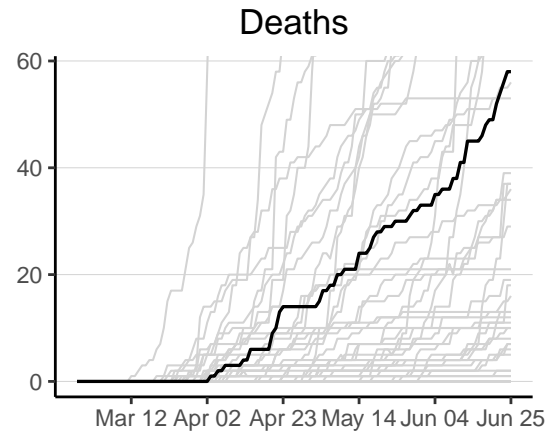
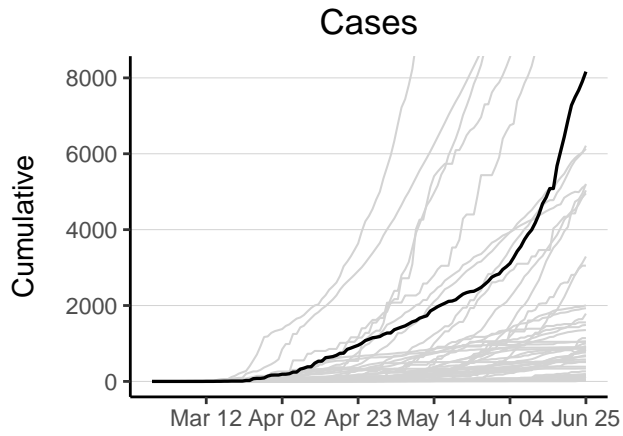
Comoros has 265 reported case(s) (39th in the region) and 7 reported death(s) (35th). Cumulative counts per 10,000 population of reported cases and deaths are 3.2 (15th) and 0.084 (10th) respectively. The doubling times of reported cases and deaths over the last 7 days are 16.4 days (10th) and 5.7 days (1st).

Congo



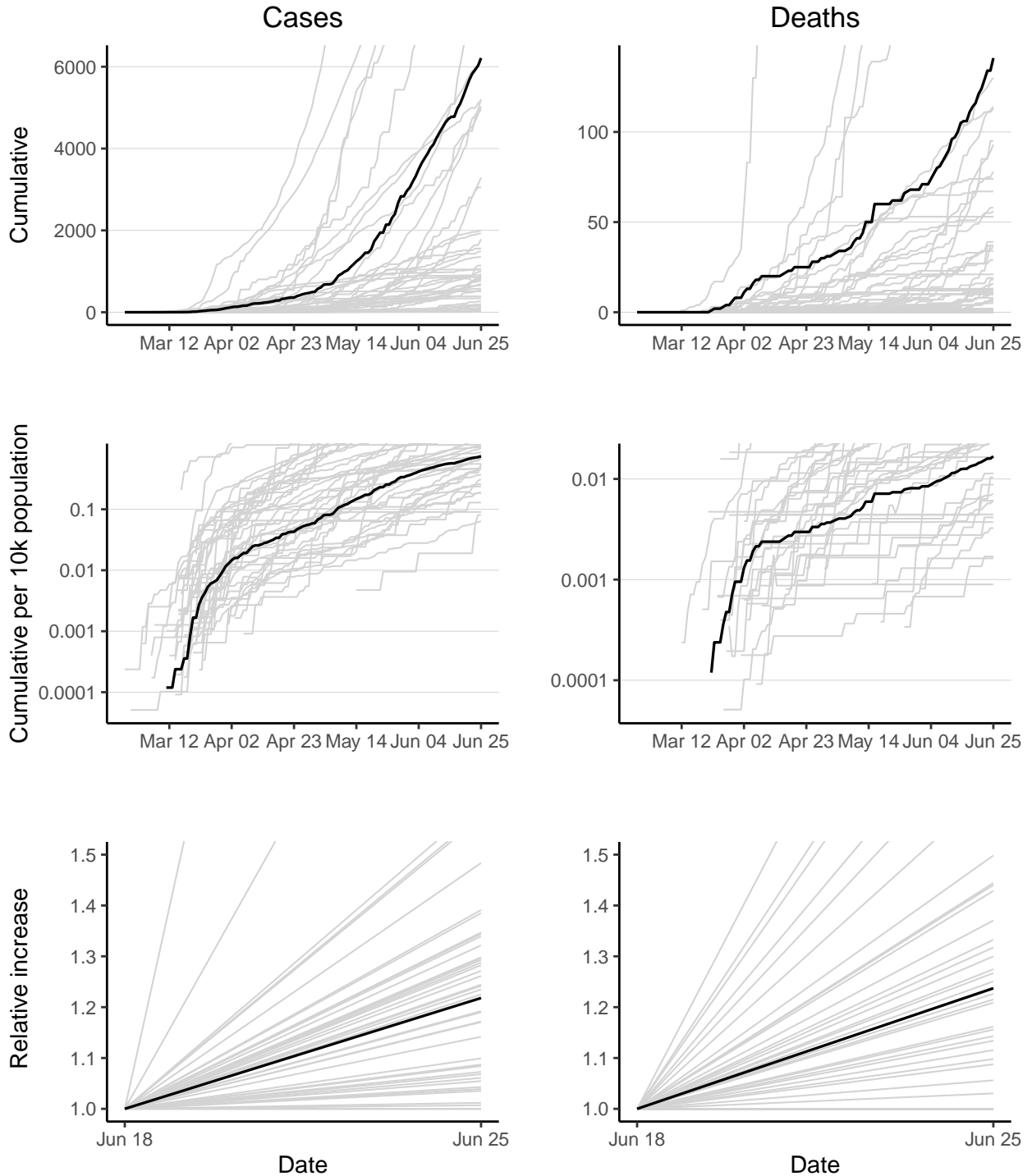
Congo has 1141 reported case(s) (21st in the region) and 37 reported death(s) (19th). Cumulative counts per 10,000 population of reported cases and deaths are 2.2 (18th) and 0.071 (15th) respectively. The doubling times of reported cases and deaths over the last 7 days are 18.9 days (15th) and 15.4 days (11th).

Cote d'Ivoire



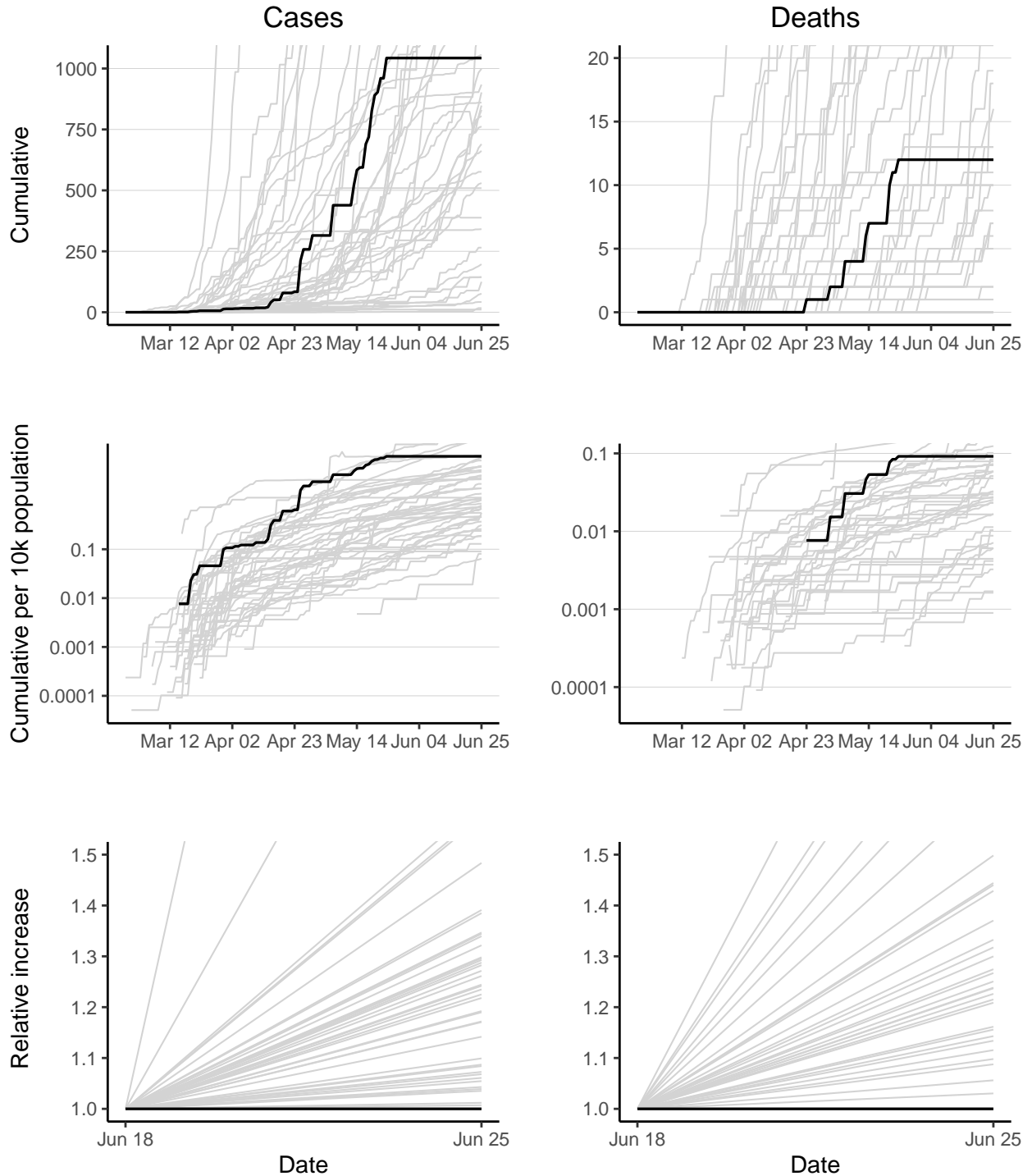
Cote d'Ivoire has 8164 reported case(s) (6th in the region) and 58 reported death(s) (14th). Cumulative counts per 10,000 population of reported cases and deaths are 3.3 (14th) and 0.023 (27th) respectively. The doubling times of reported cases and deaths over the last 7 days are 16.3 days (9th) and 25.6 days (22nd).

Democratic Republic of the Congo



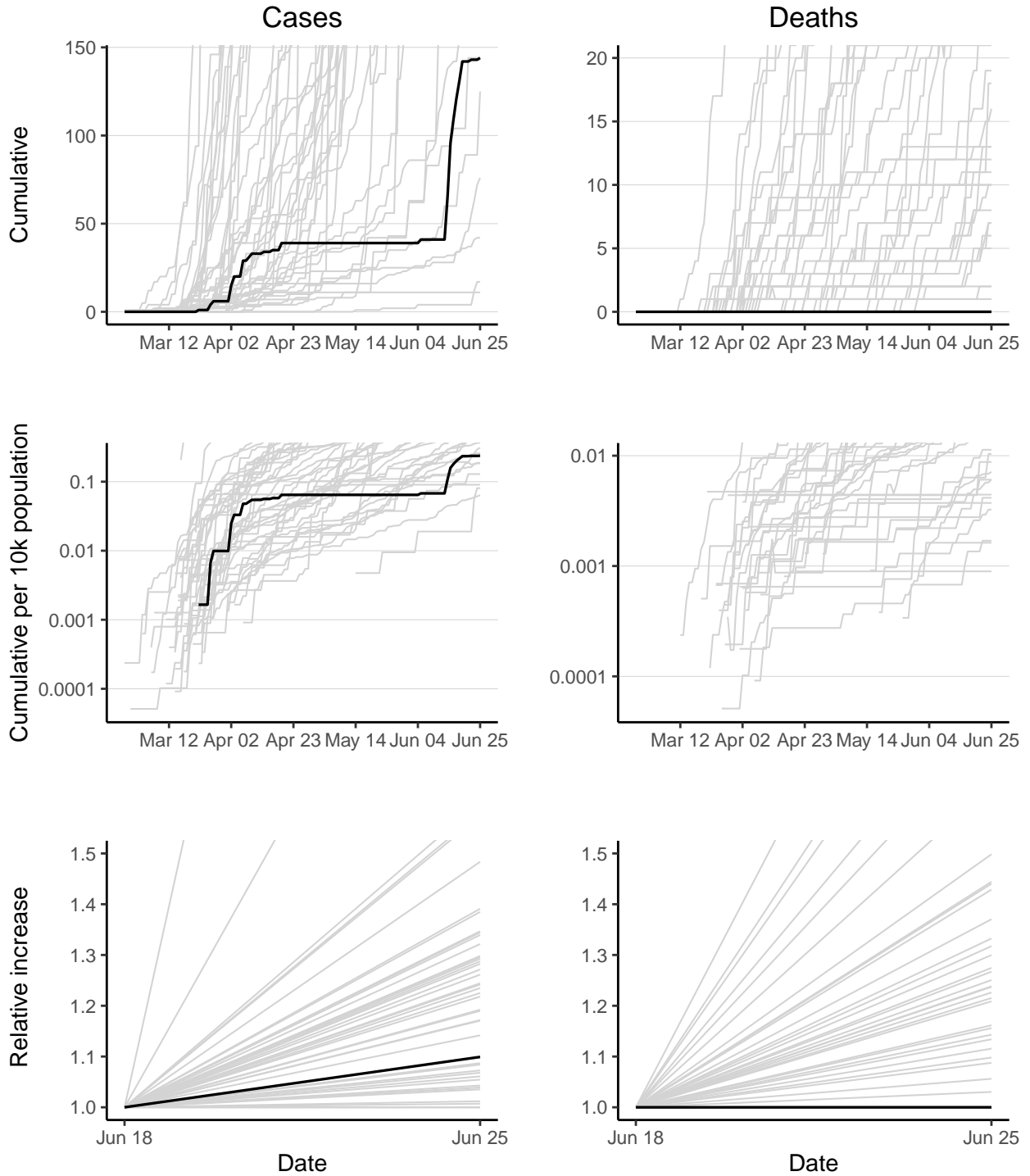
Democratic Republic of the Congo has 6212 reported case(s) (7th in the region) and 141 reported death(s) (5th). Cumulative counts per 10,000 population of reported cases and deaths are 0.74 (28th) and 0.017 (28th) respectively. The doubling times of reported cases and deaths over the last 7 days are 24.6 days (24th) and 22.8 days (19th).

Equatorial Guinea



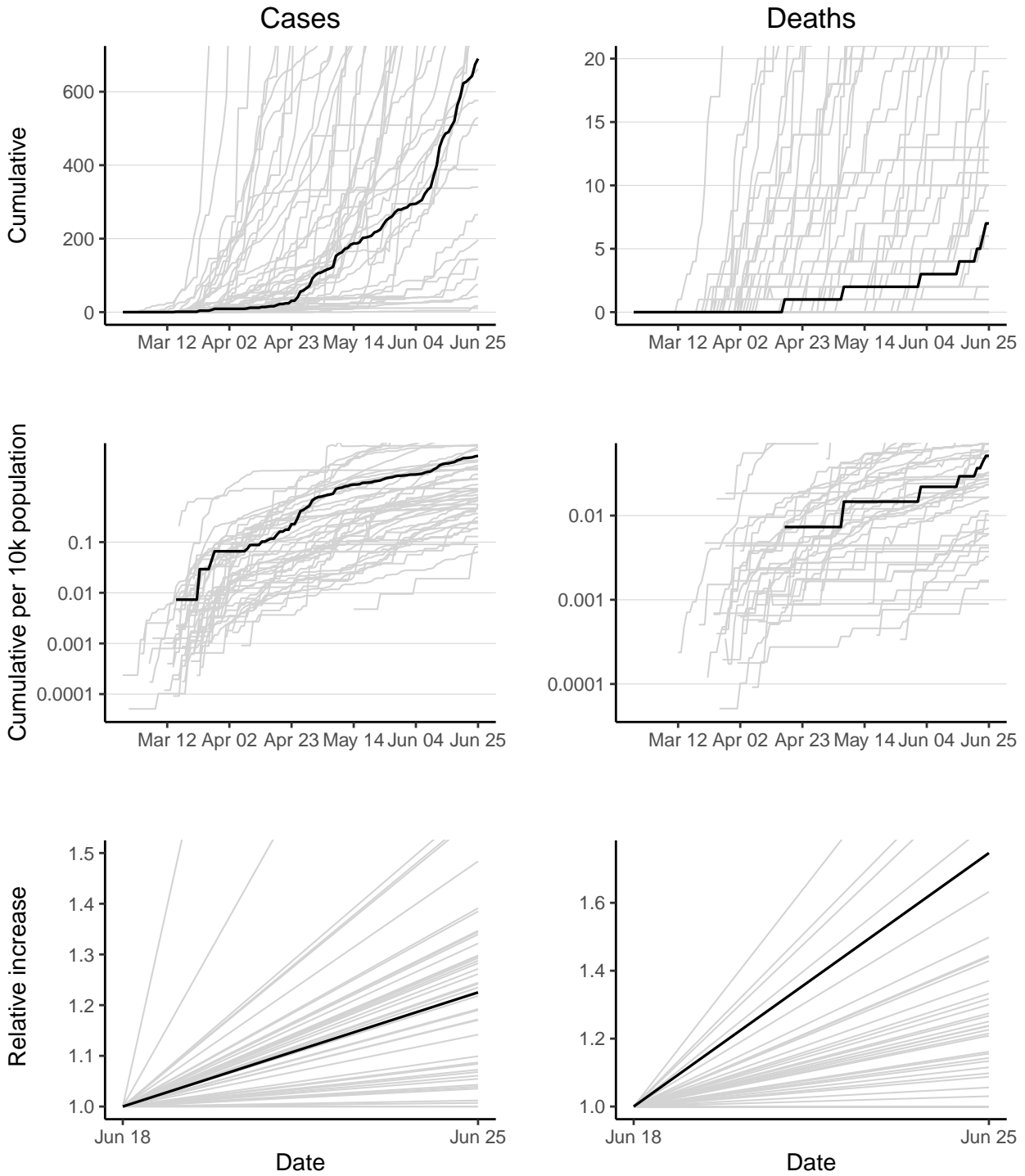
Equatorial Guinea has 1043 reported case(s) (23rd in the region) and 12 reported death(s) (29th). Cumulative counts per 10,000 population of reported cases and deaths are 8 (6th) and 0.092 (9th) respectively. The doubling time of reported cases cannot be calculated as no new cases have been reported in last 7 days. The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Eritrea



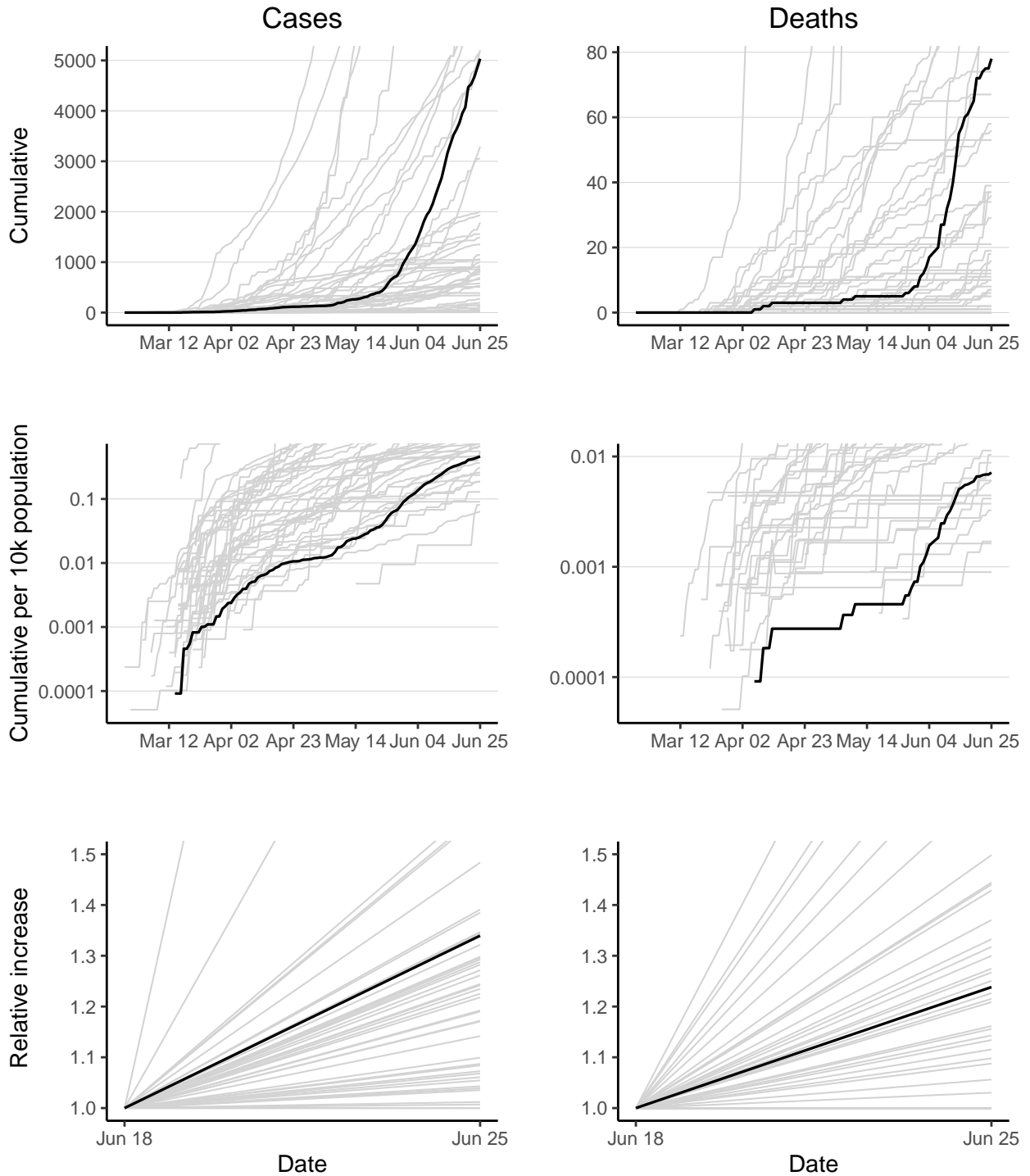
Eritrea has 144 reported case(s) (42nd in the region) and 0 reported death(s) (43rd). Cumulative counts per 10,000 population of reported cases and deaths are 0.24 (41st) and 0 (43rd) respectively. The doubling time of reported cases over the last 7 days is 51.3 days (30th). The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Eswatini



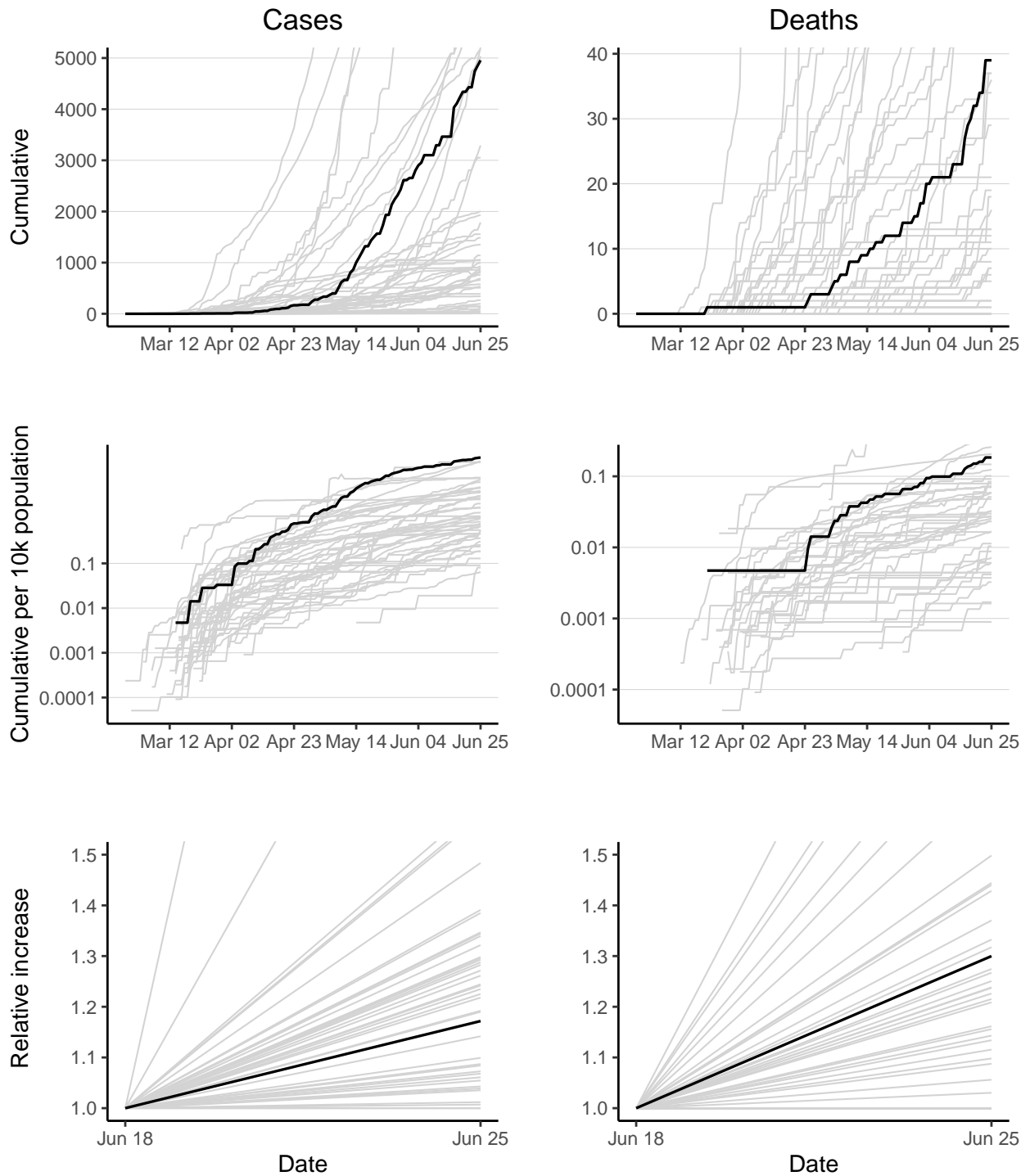
Eswatini has 690 reported case(s) (32nd in the region) and 7 reported death(s) (36th). Cumulative counts per 10,000 population of reported cases and deaths are 5 (9th) and 0.051 (18th) respectively. The doubling times of reported cases and deaths over the last 7 days are 23.9 days (23rd) and 8.7 days (5th).

Ethiopia



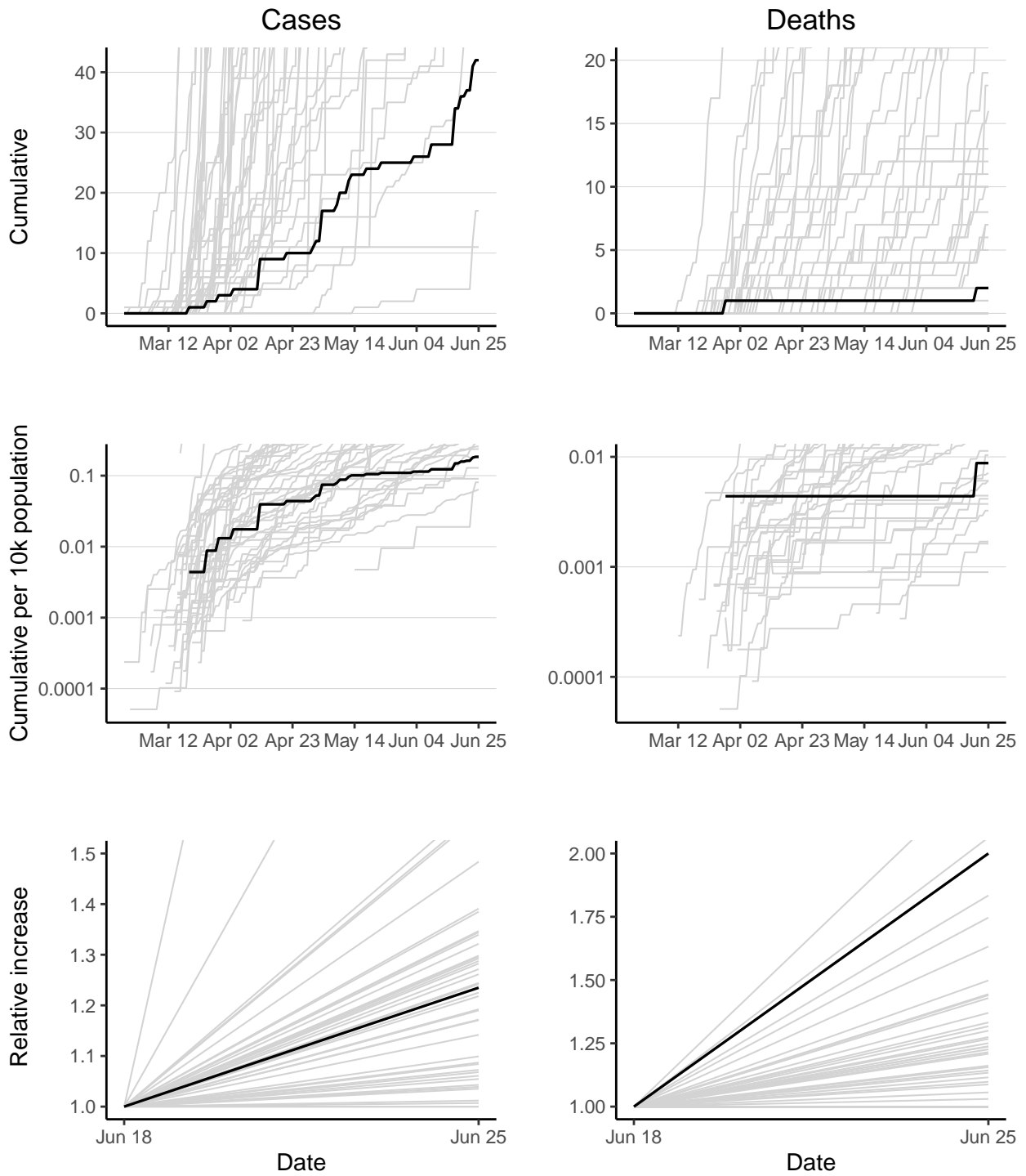
Ethiopia has 5034 reported case(s) (11th in the region) and 78 reported death(s) (11th). Cumulative counts per 10,000 population of reported cases and deaths are 0.46 (37th) and 0.0071 (33rd) respectively. The doubling times of reported cases and deaths over the last 7 days are 16.6 days (11th) and 22.7 days (18th).

Gabon



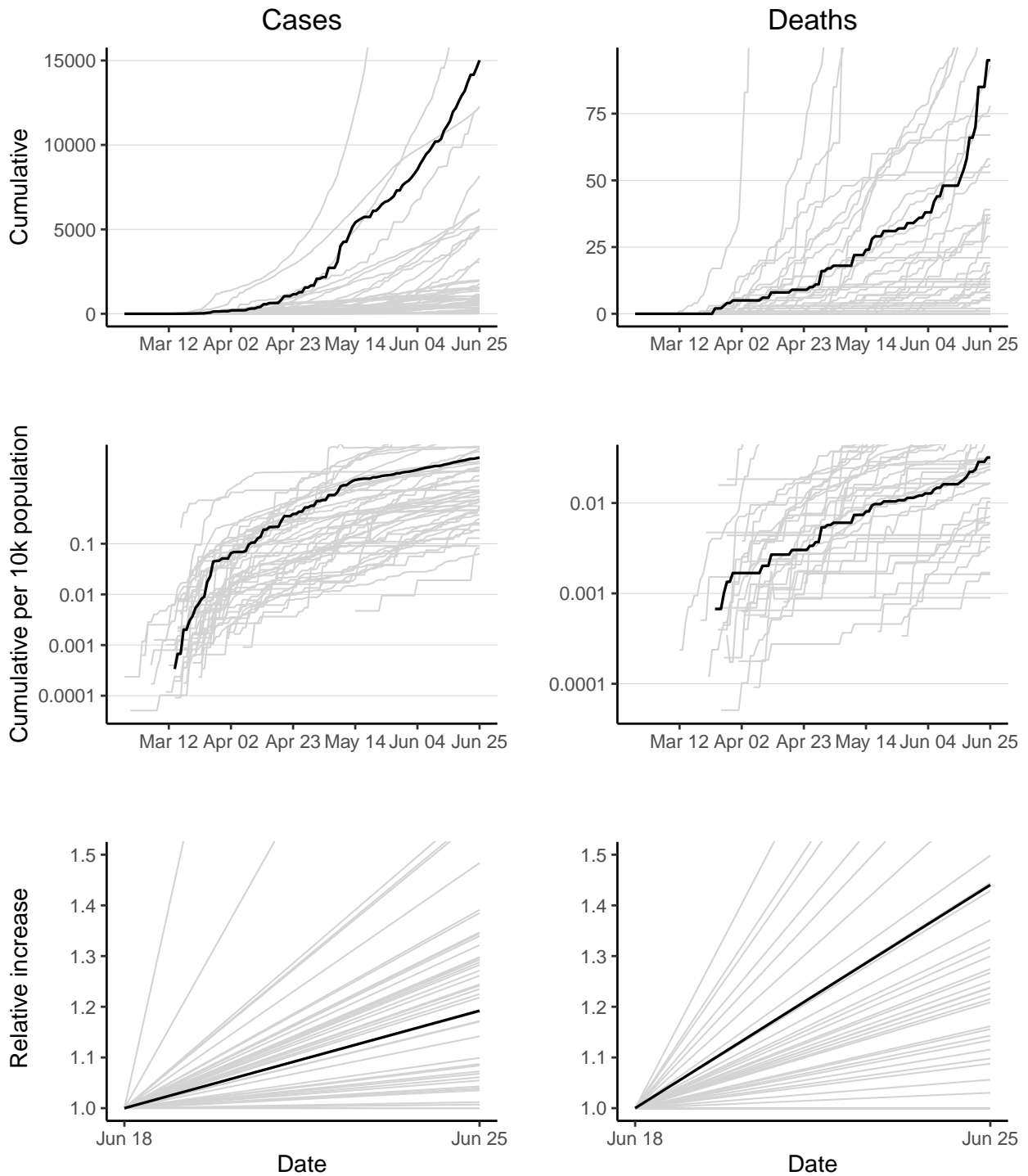
Gabon has 4956 reported case(s) (12th in the region) and 39 reported death(s) (17th). Cumulative counts per 10,000 population of reported cases and deaths are 23 (1st) and 0.18 (5th) respectively. The doubling times of reported cases and deaths over the last 7 days are 30.6 days (27th) and 18.5 days (14th).

Gambia



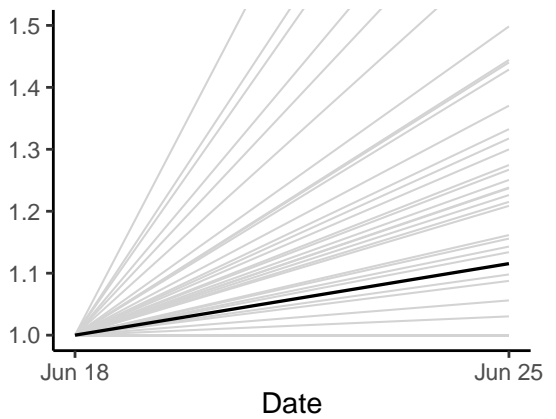
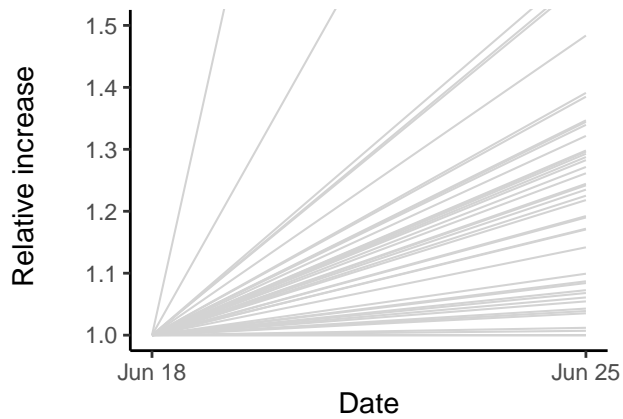
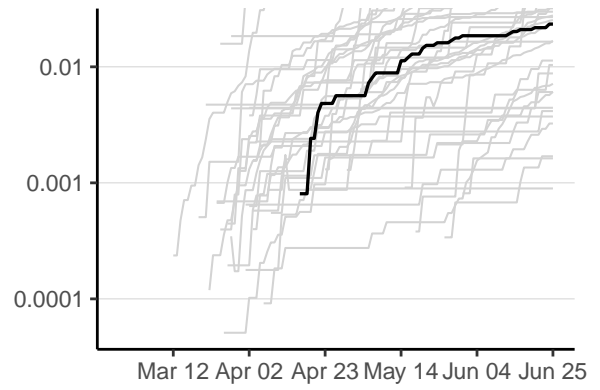
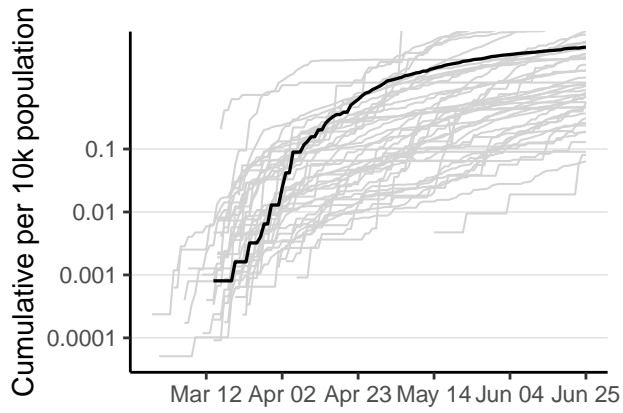
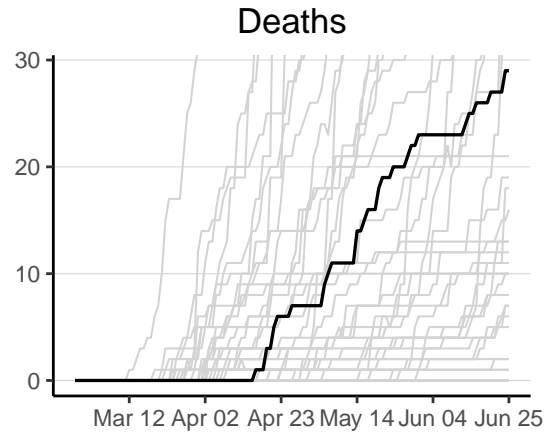
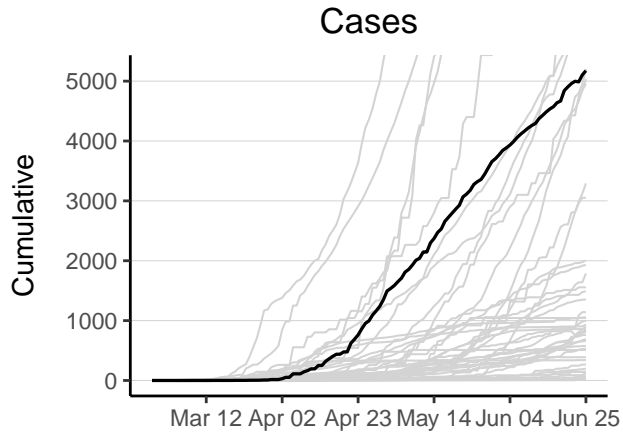
Gambia has 42 reported case(s) (45th in the region) and 2 reported death(s) (39th). Cumulative counts per 10,000 population of reported cases and deaths are 0.18 (43rd) and 0.0088 (32nd) respectively. The doubling times of reported cases and deaths over the last 7 days are 23 days (22nd) and 7 days (3rd).

Ghana



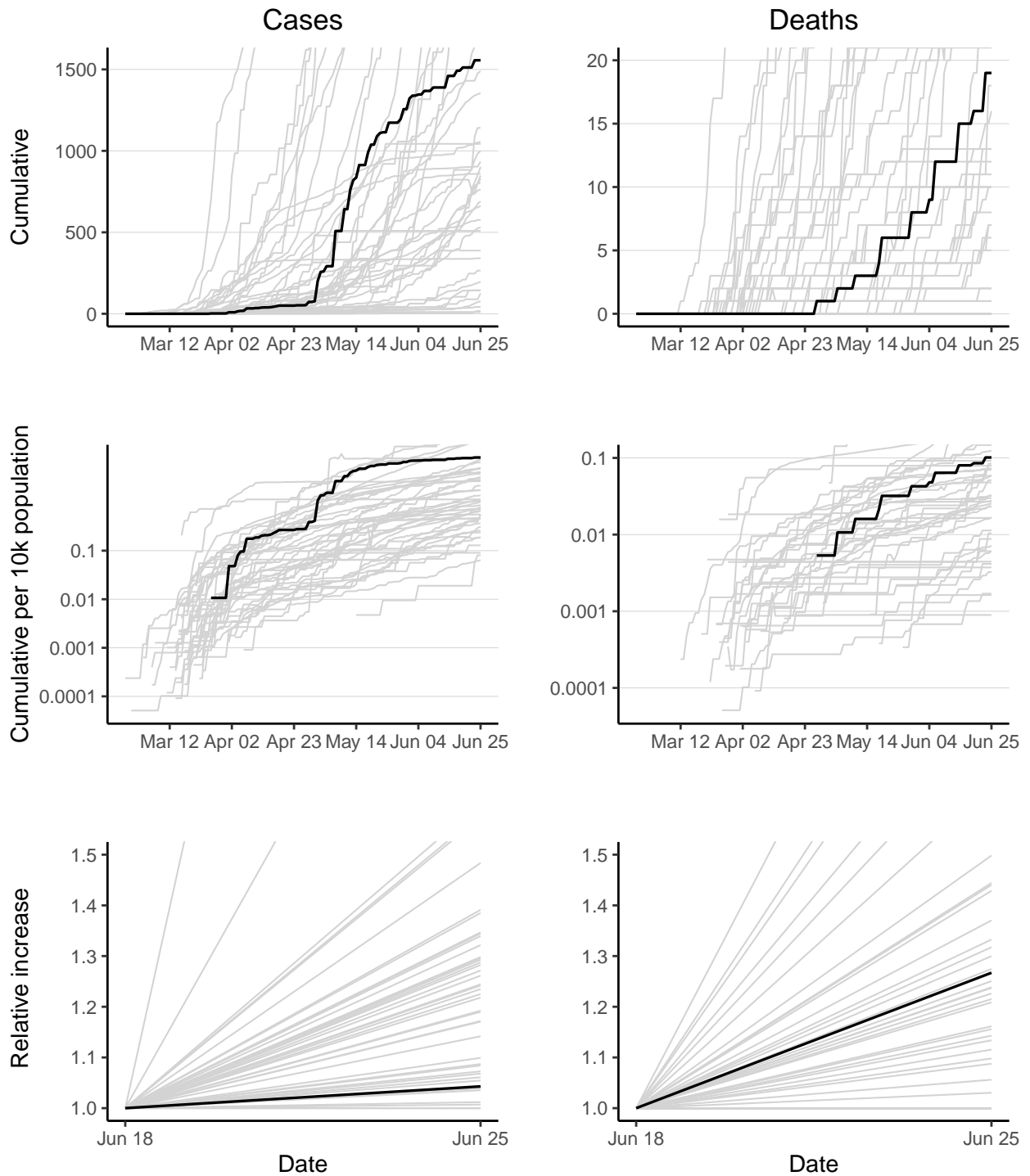
Ghana has 15013 reported case(s) (3rd in the region) and 95 reported death(s) (9th). Cumulative counts per 10,000 population of reported cases and deaths are 5 (10th) and 0.032 (21st) respectively. The doubling times of reported cases and deaths over the last 7 days are 27.6 days (25th) and 13.3 days (9th).

Guinea



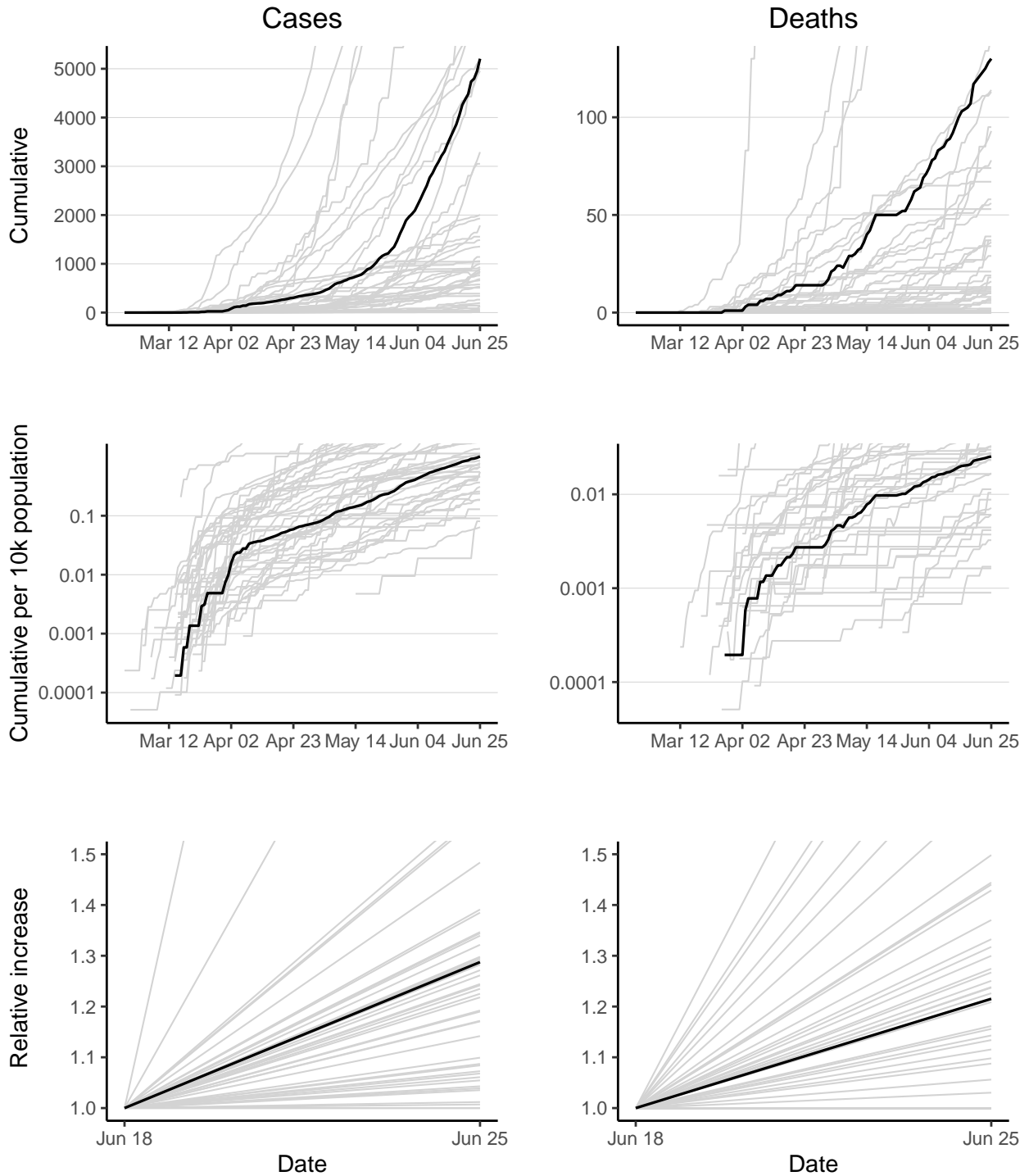
Guinea has 5174 reported case(s) (10th in the region) and 29 reported death(s) (22nd). Cumulative counts per 10,000 population of reported cases and deaths are 4.2 (12th) and 0.023 (26th) respectively. The doubling time of reported cases cannot be calculated as some cases have been redacted in last 7 days. The doubling time of reported deaths over the last 7 days is 44.4 days (27th).

Guinea-Bissau



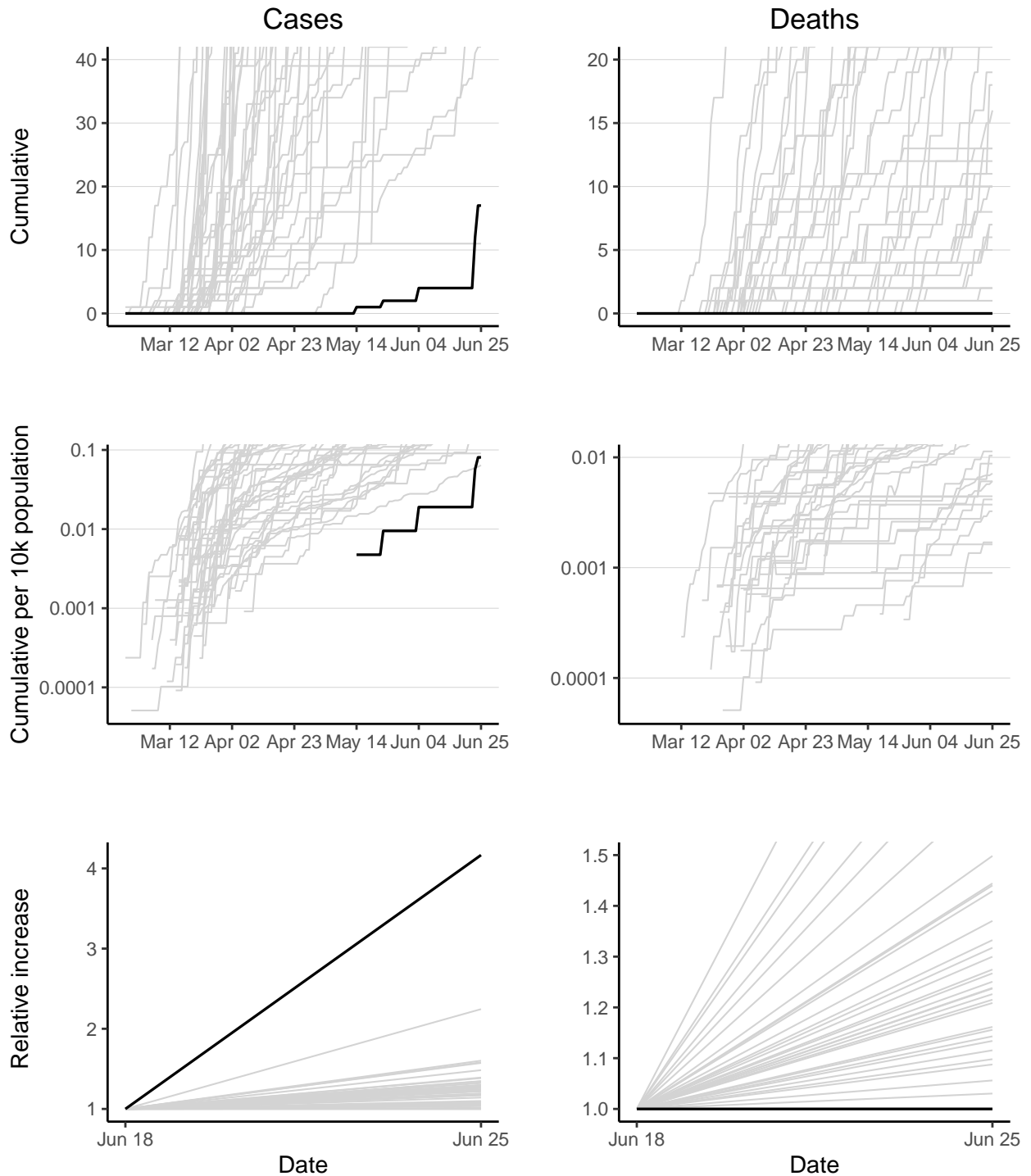
Guinea-Bissau has 1556 reported case(s) (18th in the region) and 19 reported death(s) (24th). Cumulative counts per 10,000 population of reported cases and deaths are 8.3 (5th) and 0.1 (8th) respectively. The doubling times of reported cases and deaths over the last 7 days are 115.5 days (37th) and 20.5 days (16th).

Kenya



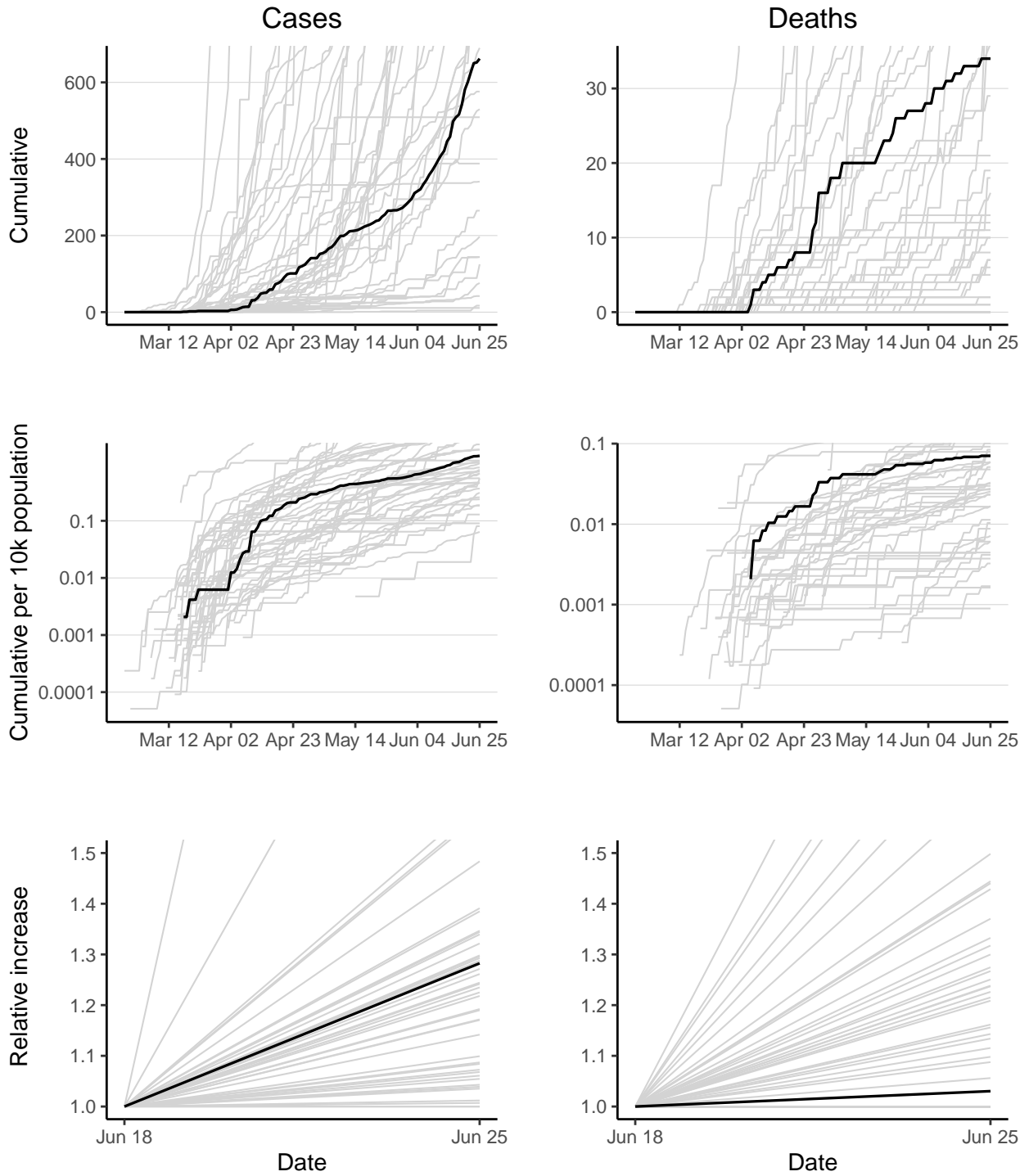
Kenya has 5206 reported case(s) (9th in the region) and 130 reported death(s) (6th). Cumulative counts per 10,000 population of reported cases and deaths are 1 (25th) and 0.025 (25th) respectively. The doubling times of reported cases and deaths over the last 7 days are 19.2 days (16th) and 24.9 days (21st).

Lesotho



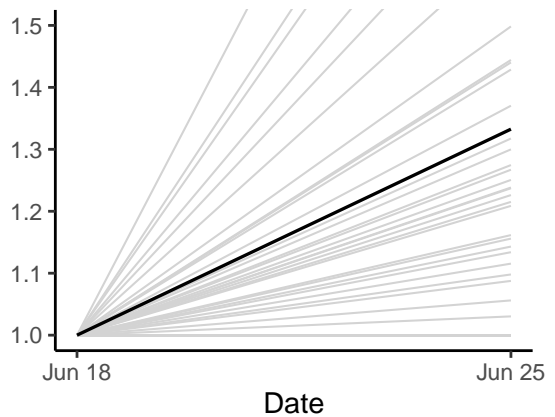
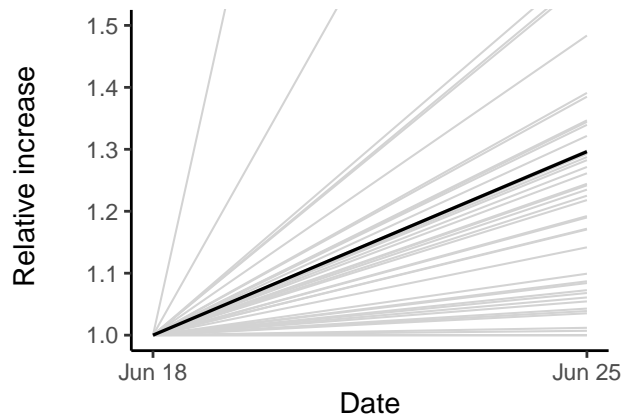
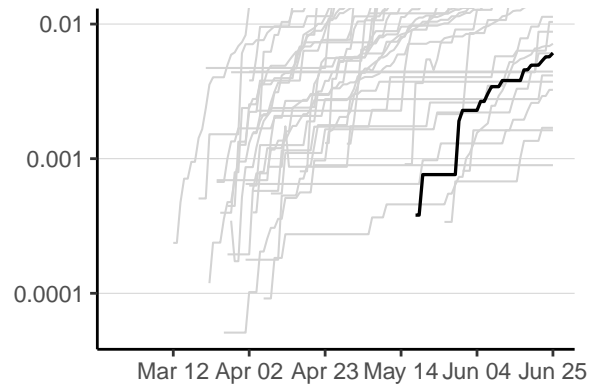
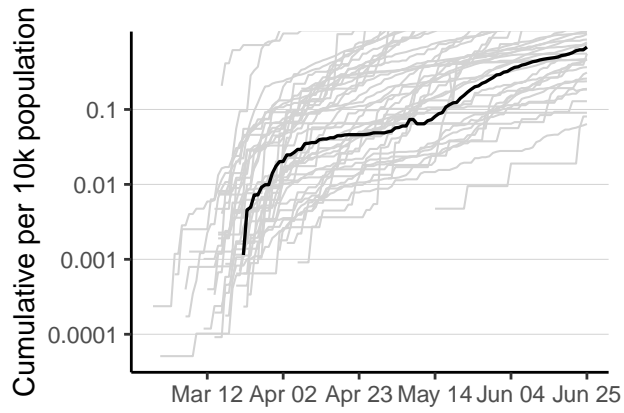
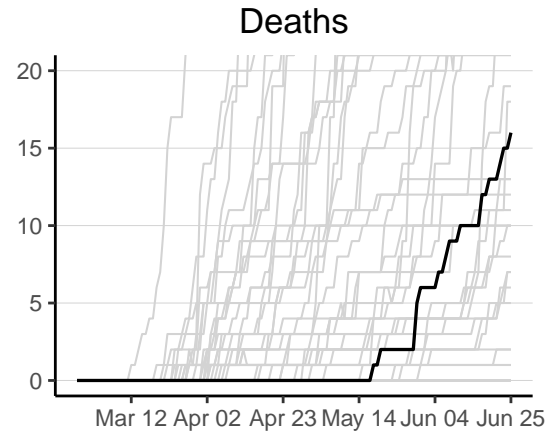
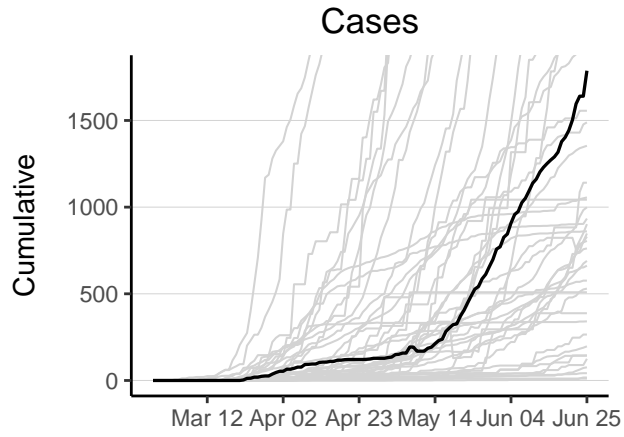
Lesotho has 17 reported case(s) (46th in the region) and 0 reported death(s) (44th). Cumulative counts per 10,000 population of reported cases and deaths are 0.081 (46th) and 0 (44th) respectively. The doubling time of reported cases over the last 7 days is 3.4 days (1st). The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Liberia



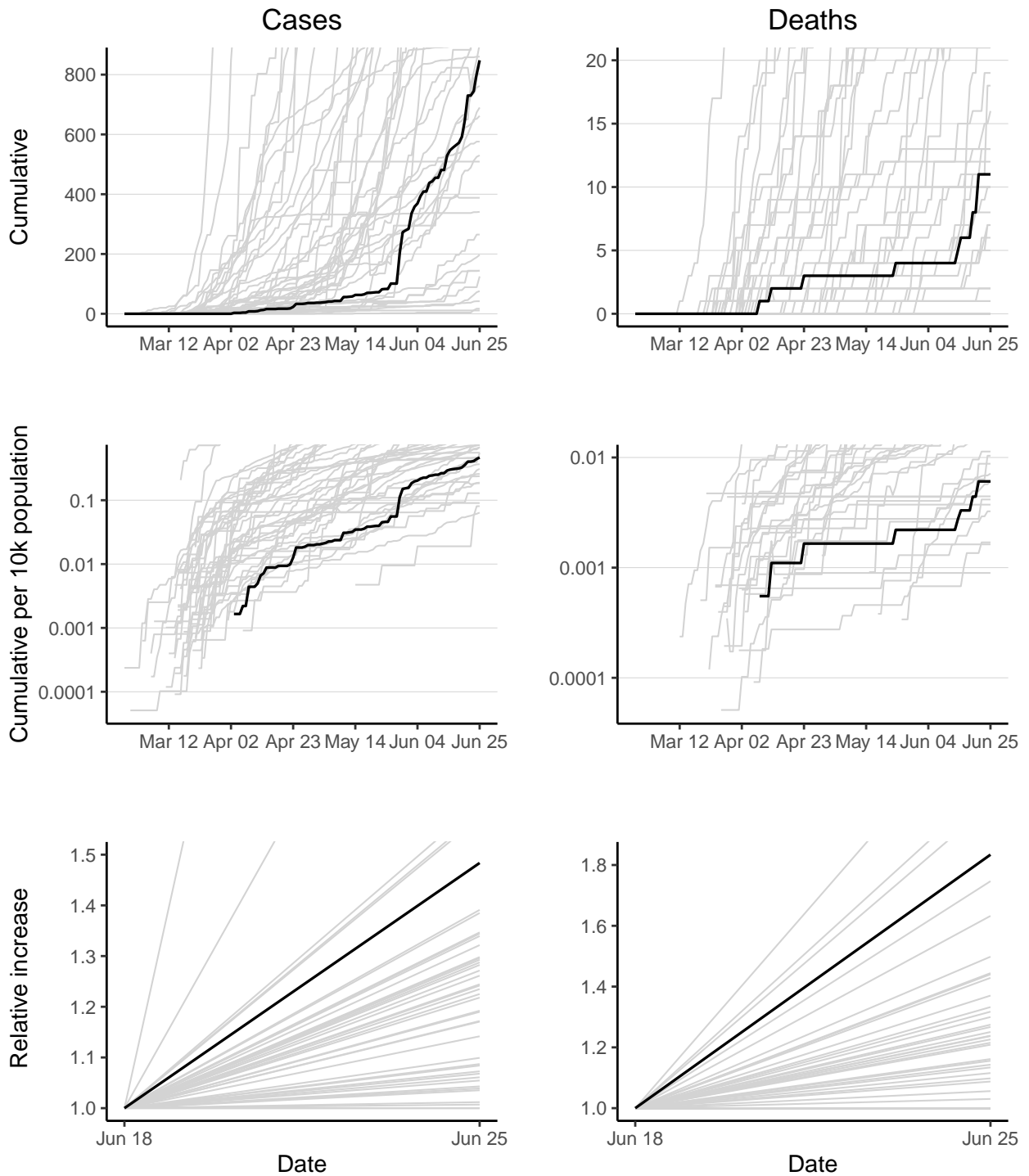
Liberia has 662 reported case(s) (33rd in the region) and 34 reported death(s) (21st). Cumulative counts per 10,000 population of reported cases and deaths are 1.4 (21st) and 0.071 (14th) respectively. The doubling times of reported cases and deaths over the last 7 days are 19.5 days (17th) and 162.5 days (31st).

Madagascar



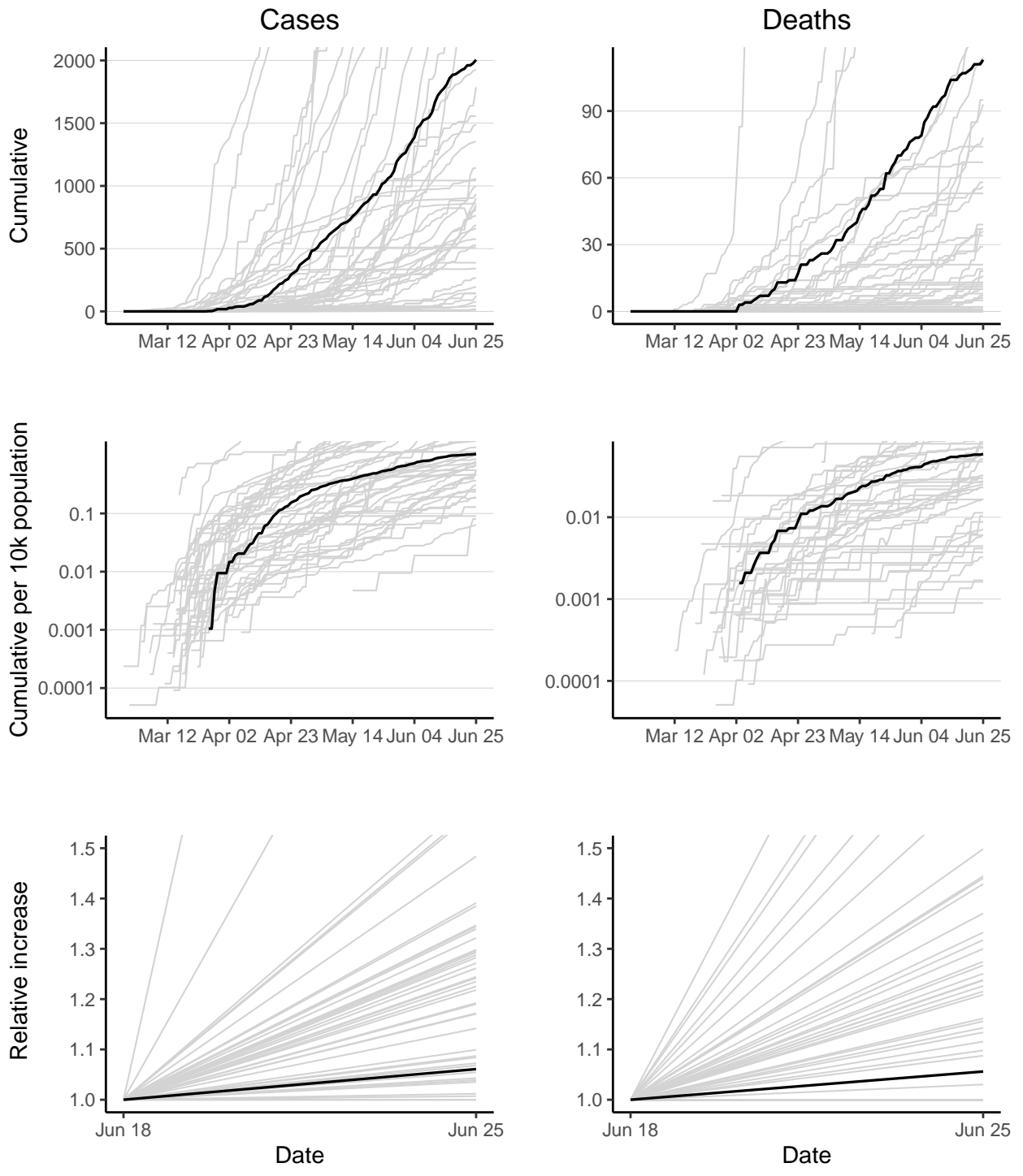
Madagascar has 1787 reported case(s) (17th in the region) and 16 reported death(s) (26th). Cumulative counts per 10,000 population of reported cases and deaths are 0.68 (30th) and 0.0061 (34th) respectively. The doubling times of reported cases and deaths over the last 7 days are 18.7 days (14th) and 16.9 days (12th).

Malawi



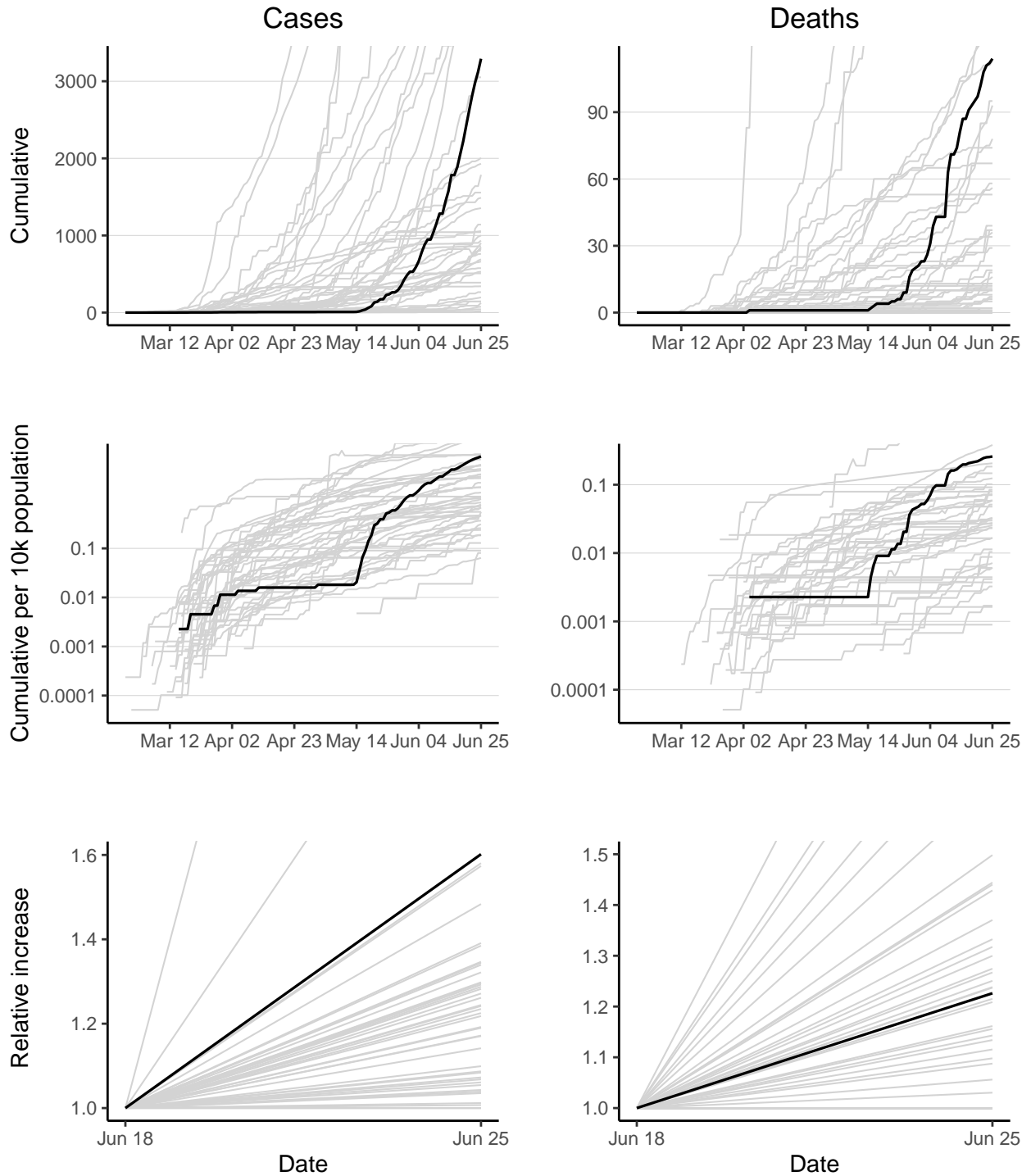
Malawi has 848 reported case(s) (28th in the region) and 11 reported death(s) (30th). Cumulative counts per 10,000 population of reported cases and deaths are 0.47 (36th) and 0.0061 (35th) respectively. The doubling times of reported cases and deaths over the last 7 days are 12.3 days (6th) and 8 days (4th).

Mali



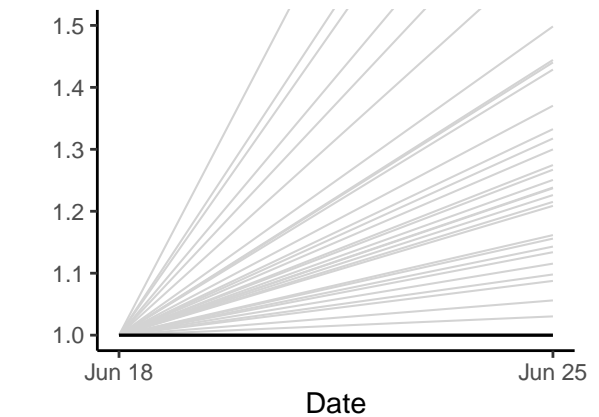
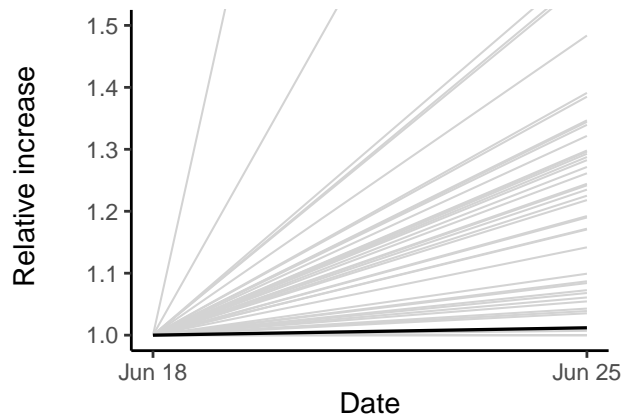
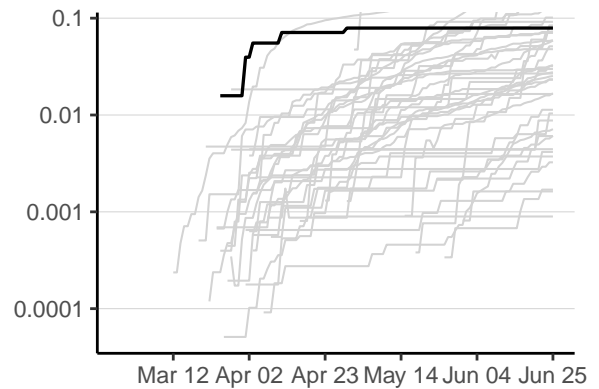
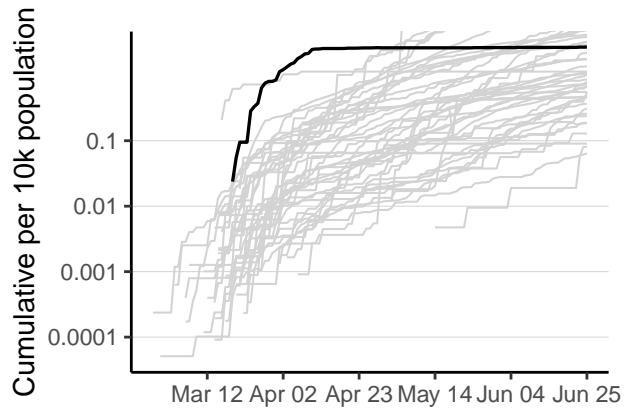
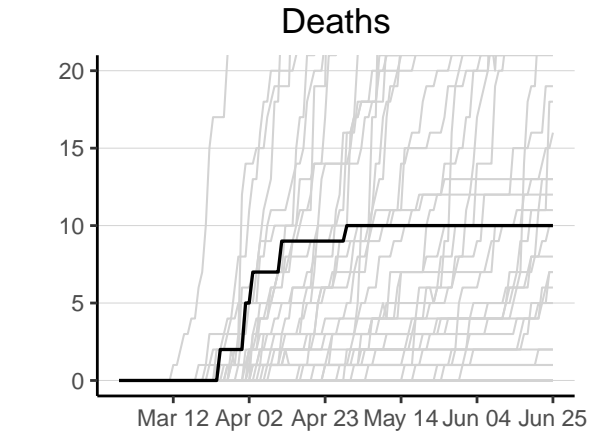
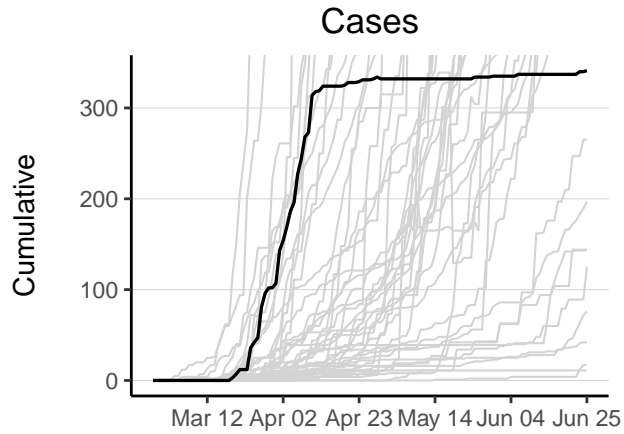
Mali has 2005 reported case(s) (15th in the region) and 113 reported death(s) (8th). Cumulative counts per 10,000 population of reported cases and deaths are 1.1 (24th) and 0.059 (16th) respectively. The doubling times of reported cases and deaths over the last 7 days are 82.1 days (35th) and 88.9 days (30th).

Mauritania



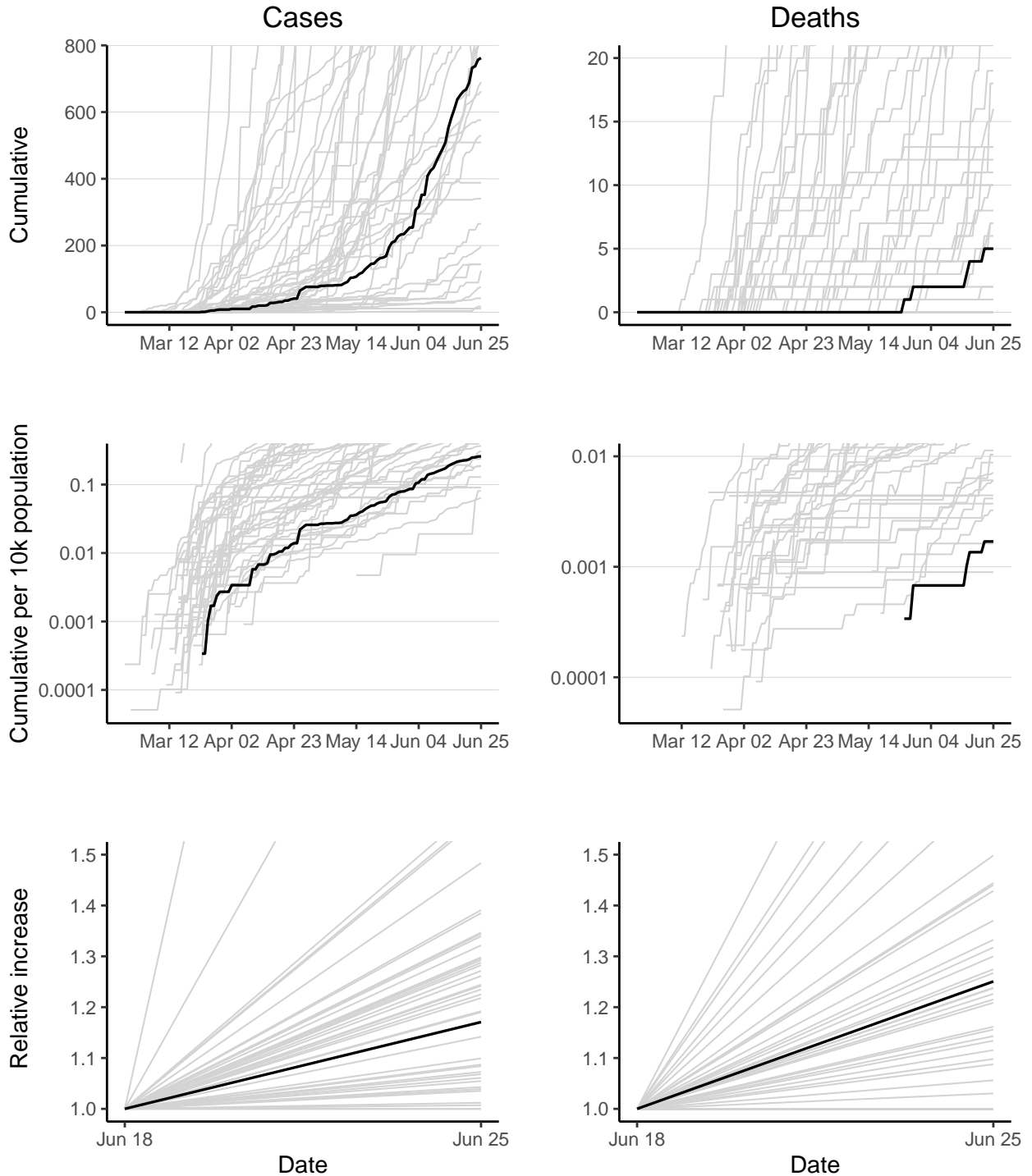
Mauritania has 3292 reported case(s) (13th in the region) and 114 reported death(s) (7th). Cumulative counts per 10,000 population of reported cases and deaths are 7.5 (7th) and 0.26 (3rd) respectively. The doubling times of reported cases and deaths over the last 7 days are 10.3 days (3rd) and 23.8 days (20th).

Mauritius



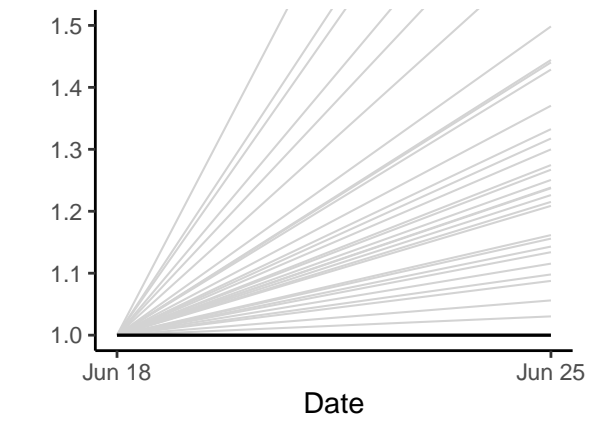
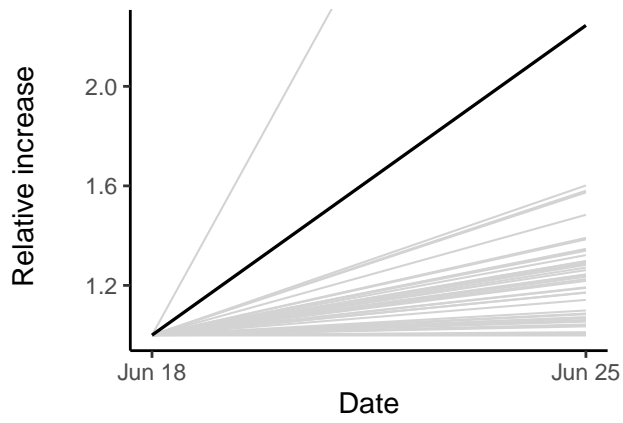
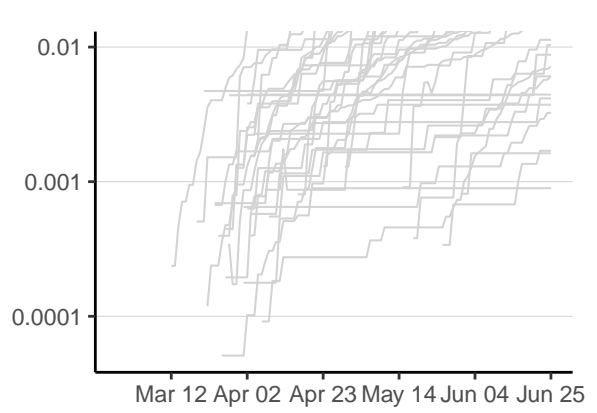
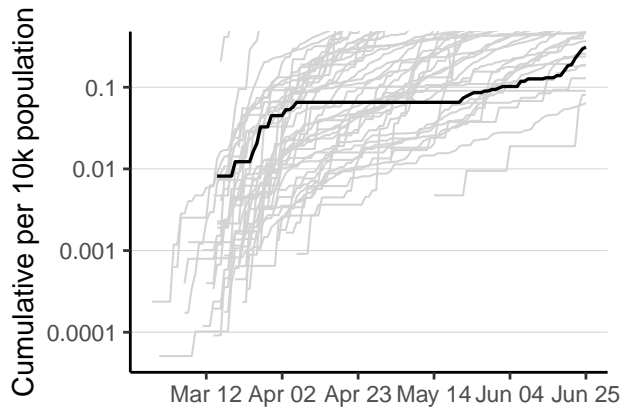
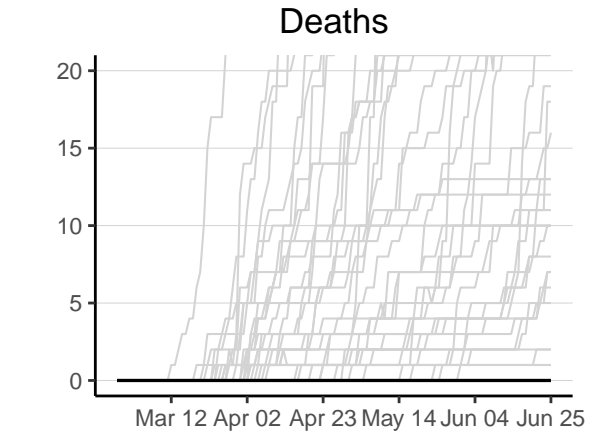
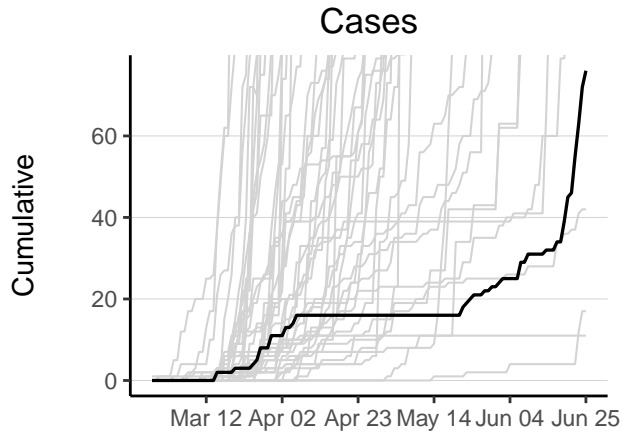
Mauritius has 341 reported case(s) (38th in the region) and 10 reported death(s) (32nd). Cumulative counts per 10,000 population of reported cases and deaths are 2.7 (17th) and 0.079 (12th) respectively. The doubling time of reported cases over the last 7 days is 411.2 days (40th). The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Mozambique



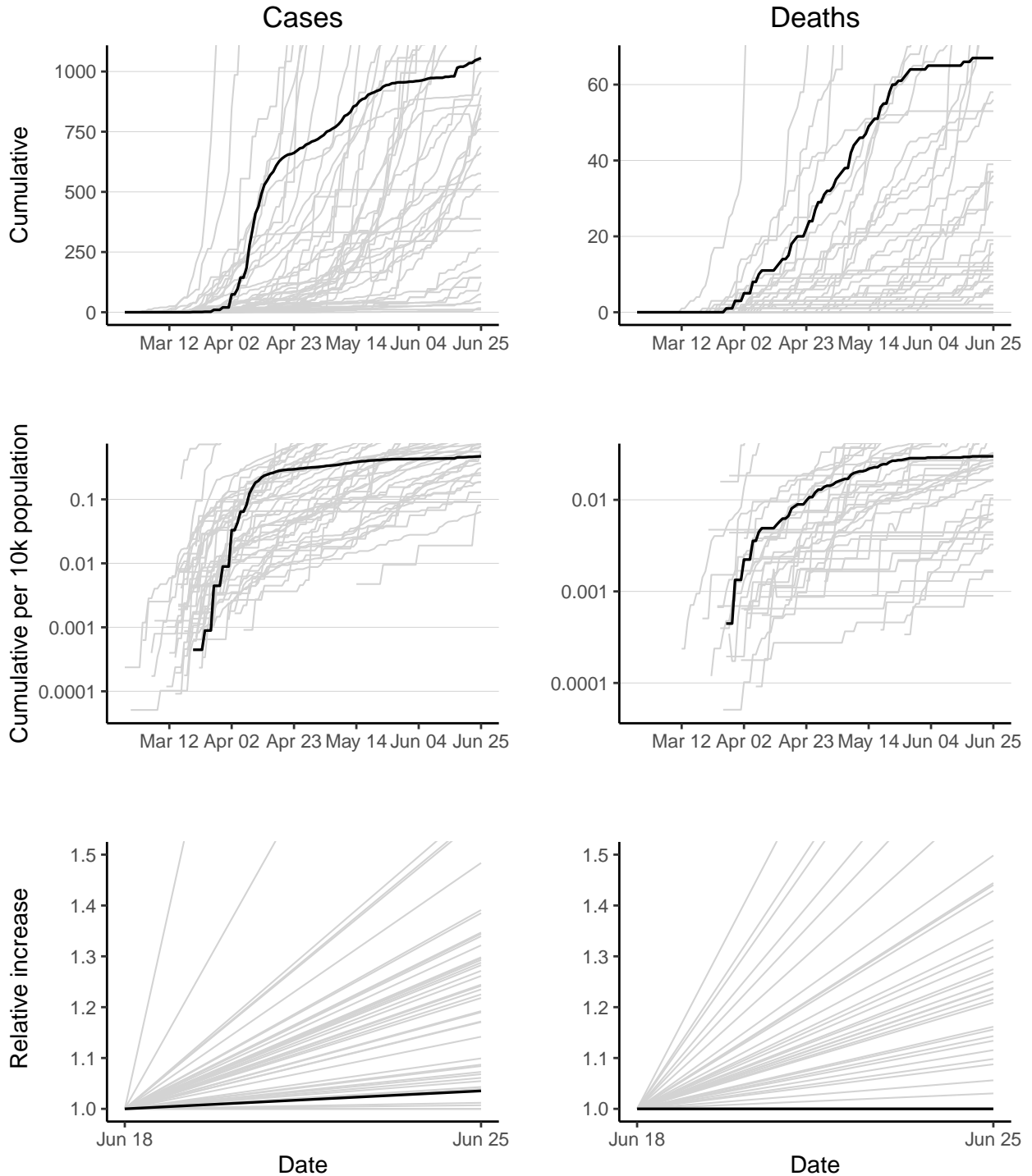
Mozambique has 762 reported case(s) (31st in the region) and 5 reported death(s) (38th). Cumulative counts per 10,000 population of reported cases and deaths are 0.26 (40th) and 0.0017 (40th) respectively. The doubling times of reported cases and deaths over the last 7 days are 30.8 days (28th) and 21.7 days (17th).

Namibia



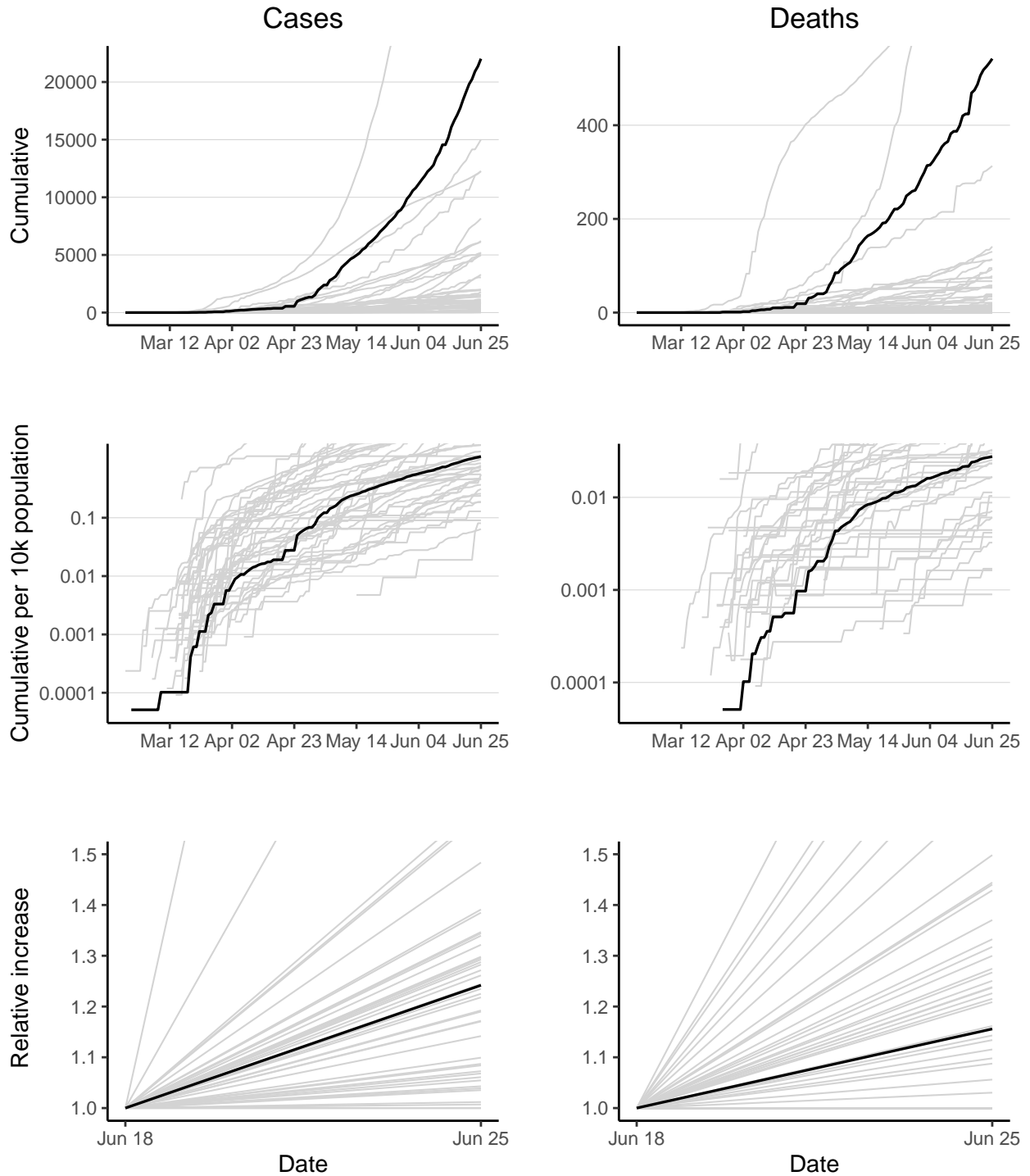
Namibia has 76 reported case(s) (44th in the region) and 0 reported death(s) (45th). Cumulative counts per 10,000 population of reported cases and deaths are 0.31 (39th) and 0 (45th) respectively. The doubling time of reported cases over the last 7 days is 6 days (2nd). The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Niger



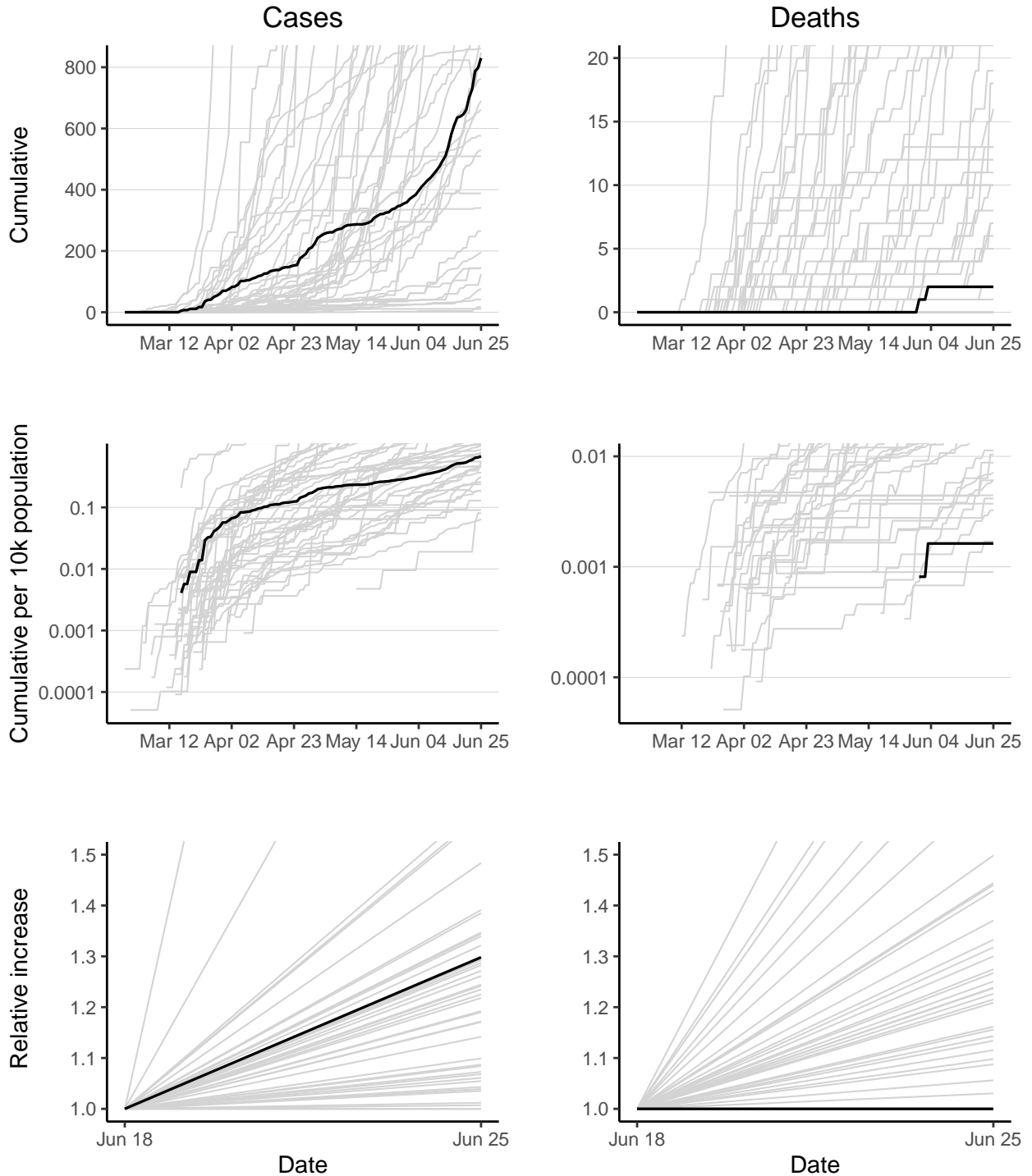
Niger has 1056 reported case(s) (22nd in the region) and 67 reported death(s) (13th). Cumulative counts per 10,000 population of reported cases and deaths are 0.47 (35th) and 0.03 (22nd) respectively. The doubling time of reported cases over the last 7 days is 139.9 days (39th). The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Nigeria



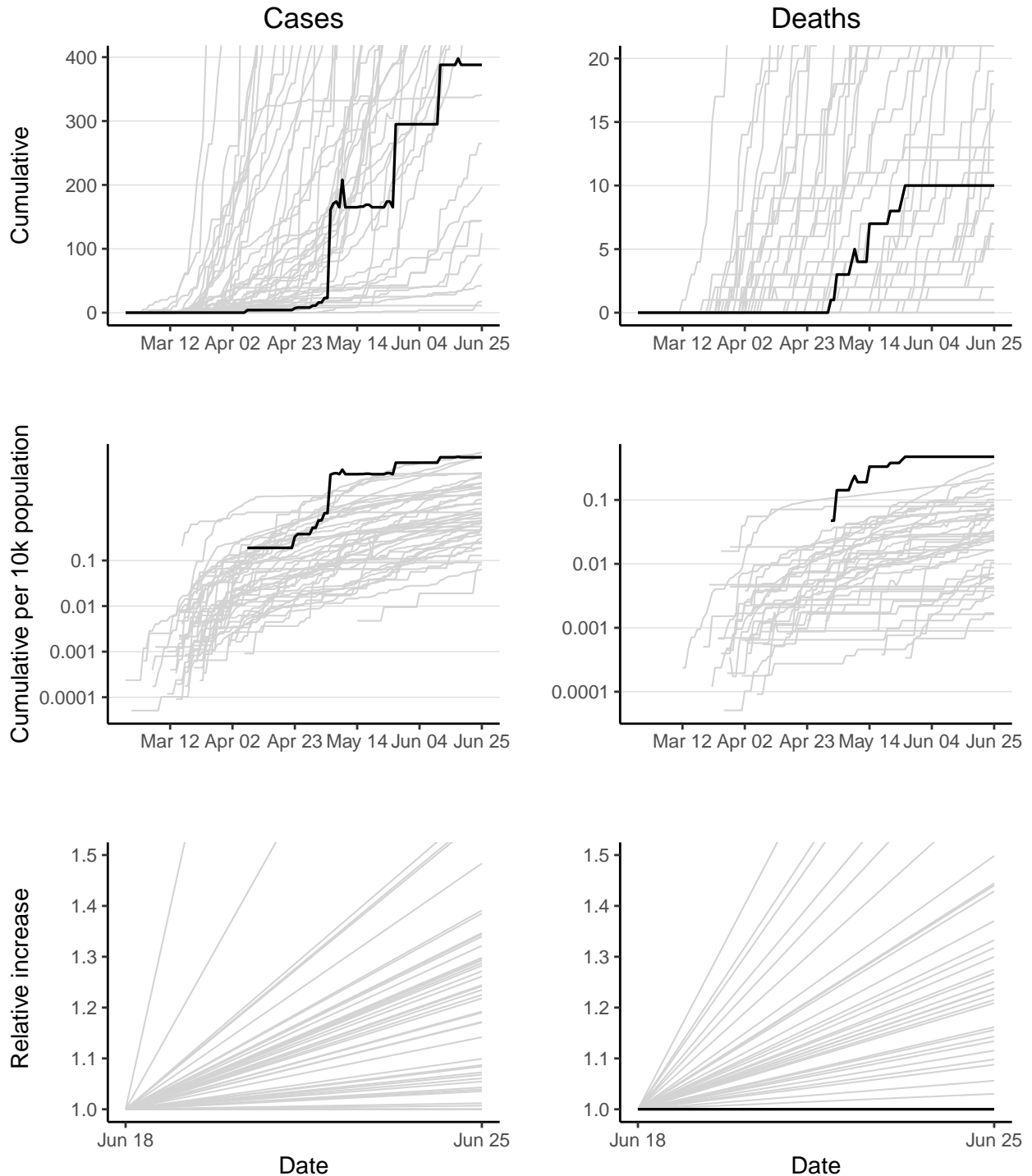
Nigeria has 22020 reported case(s) (2nd in the region) and 542 reported death(s) (3rd). Cumulative counts per 10,000 population of reported cases and deaths are 1.1 (23rd) and 0.028 (23rd) respectively. The doubling times of reported cases and deaths over the last 7 days are 22.4 days (21st) and 33.5 days (24th).

Rwanda



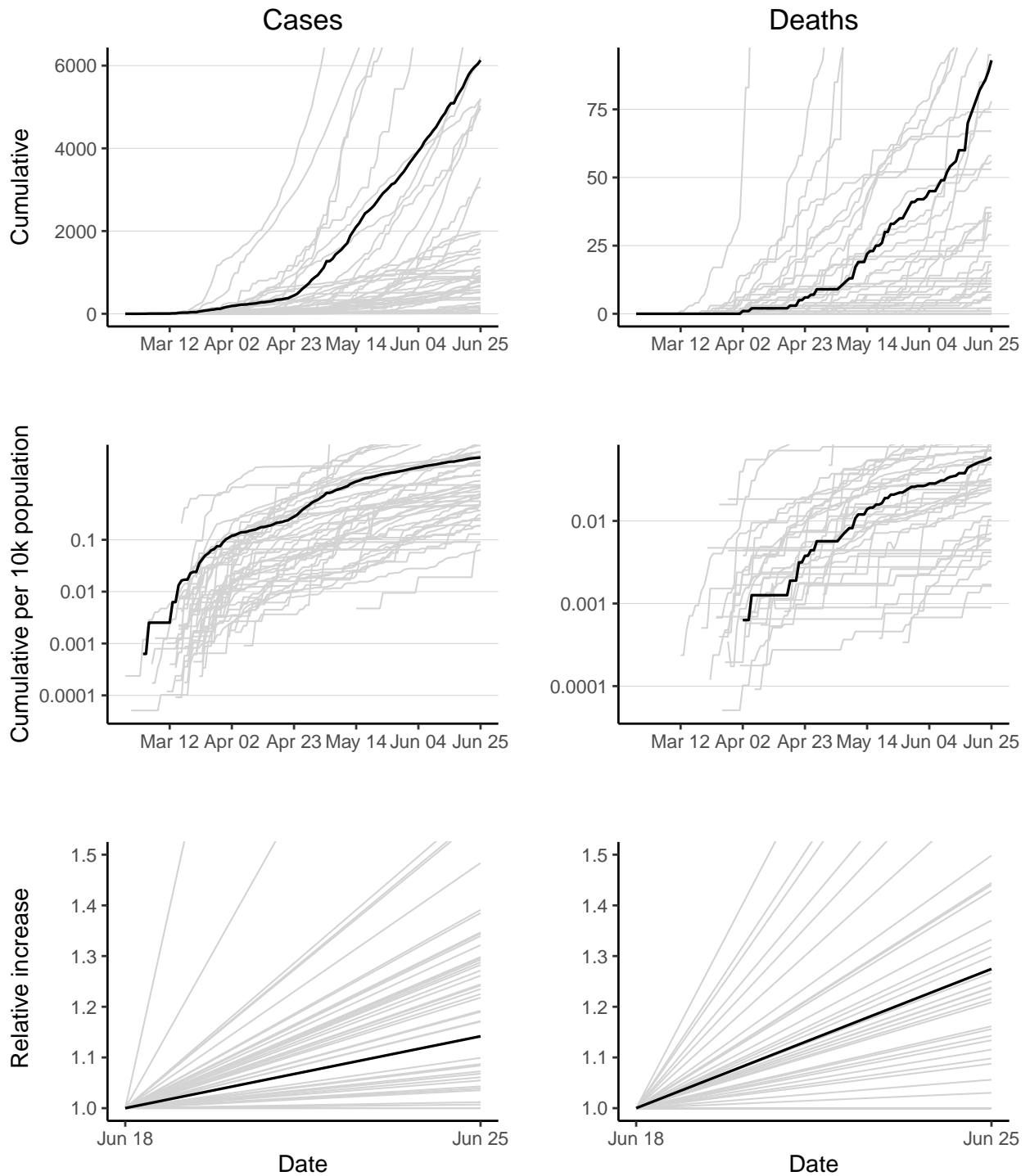
Rwanda has 830 reported case(s) (29th in the region) and 2 reported death(s) (40th). Cumulative counts per 10,000 population of reported cases and deaths are 0.67 (31st) and 0.0016 (41st) respectively. The doubling time of reported cases over the last 7 days is 18.6 days (13th). The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Sao Tome and Principe



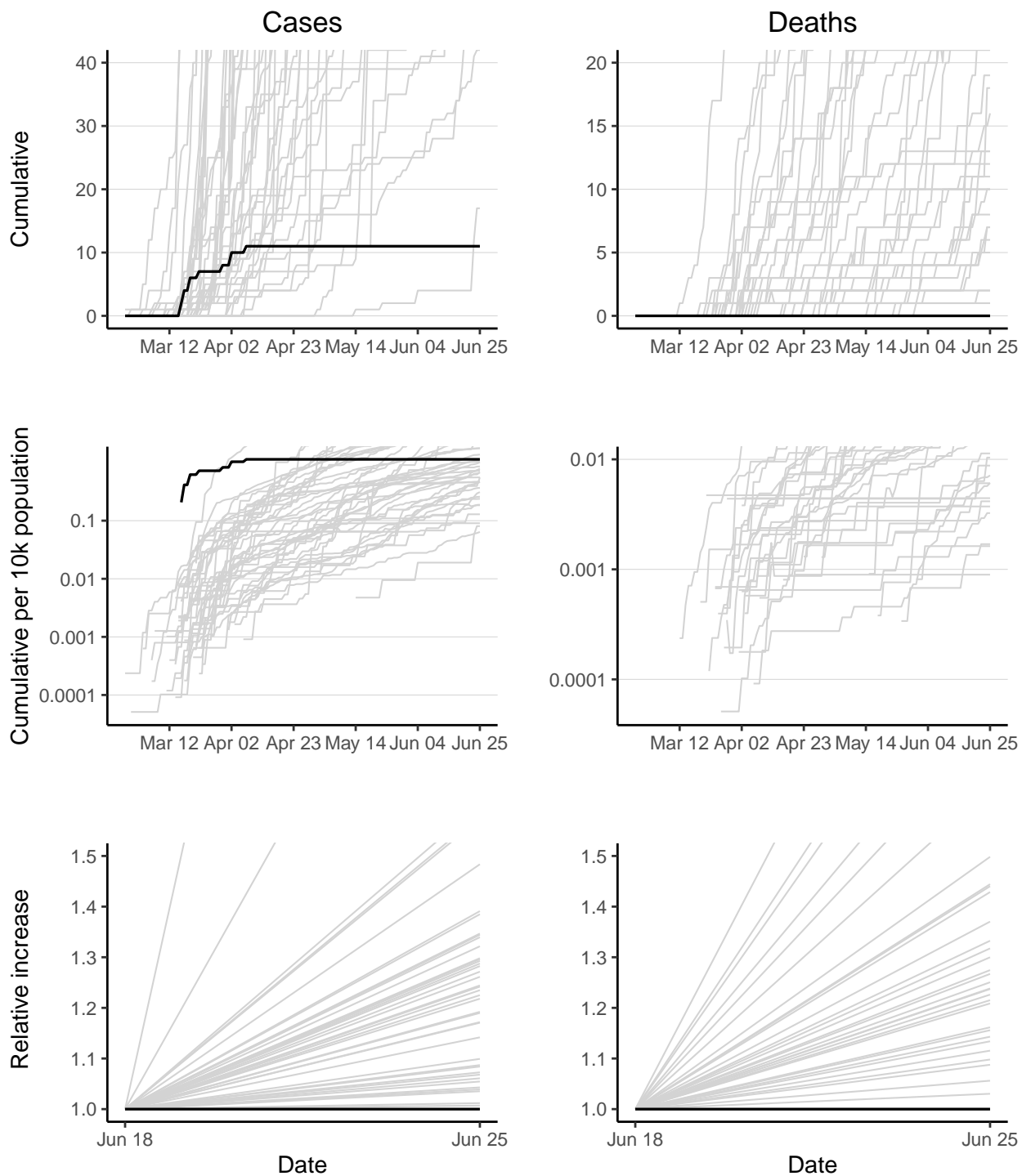
Sao Tome and Principe has 388 reported case(s) (37th in the region) and 10 reported death(s) (33rd). Cumulative counts per 10,000 population of reported cases and deaths are 18 (3rd) and 0.47 (1st) respectively. The doubling time of reported cases cannot be calculated as some cases have been redacted in last 7 days. The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Senegal



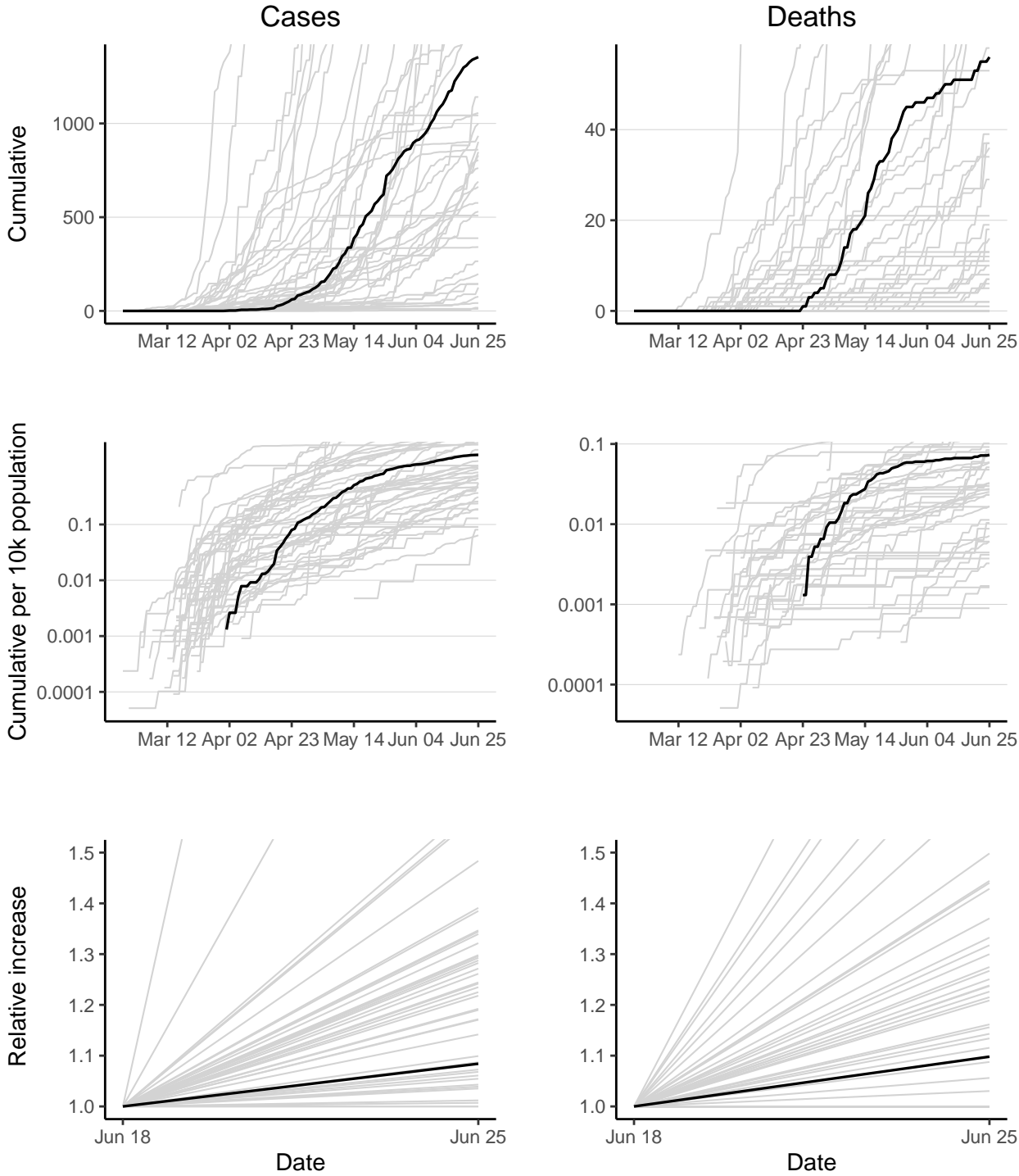
Senegal has 6129 reported case(s) (8th in the region) and 93 reported death(s) (10th). Cumulative counts per 10,000 population of reported cases and deaths are 3.9 (13th) and 0.059 (17th) respectively. The doubling times of reported cases and deaths over the last 7 days are 36.6 days (29th) and 20 days (15th).

Seychelles



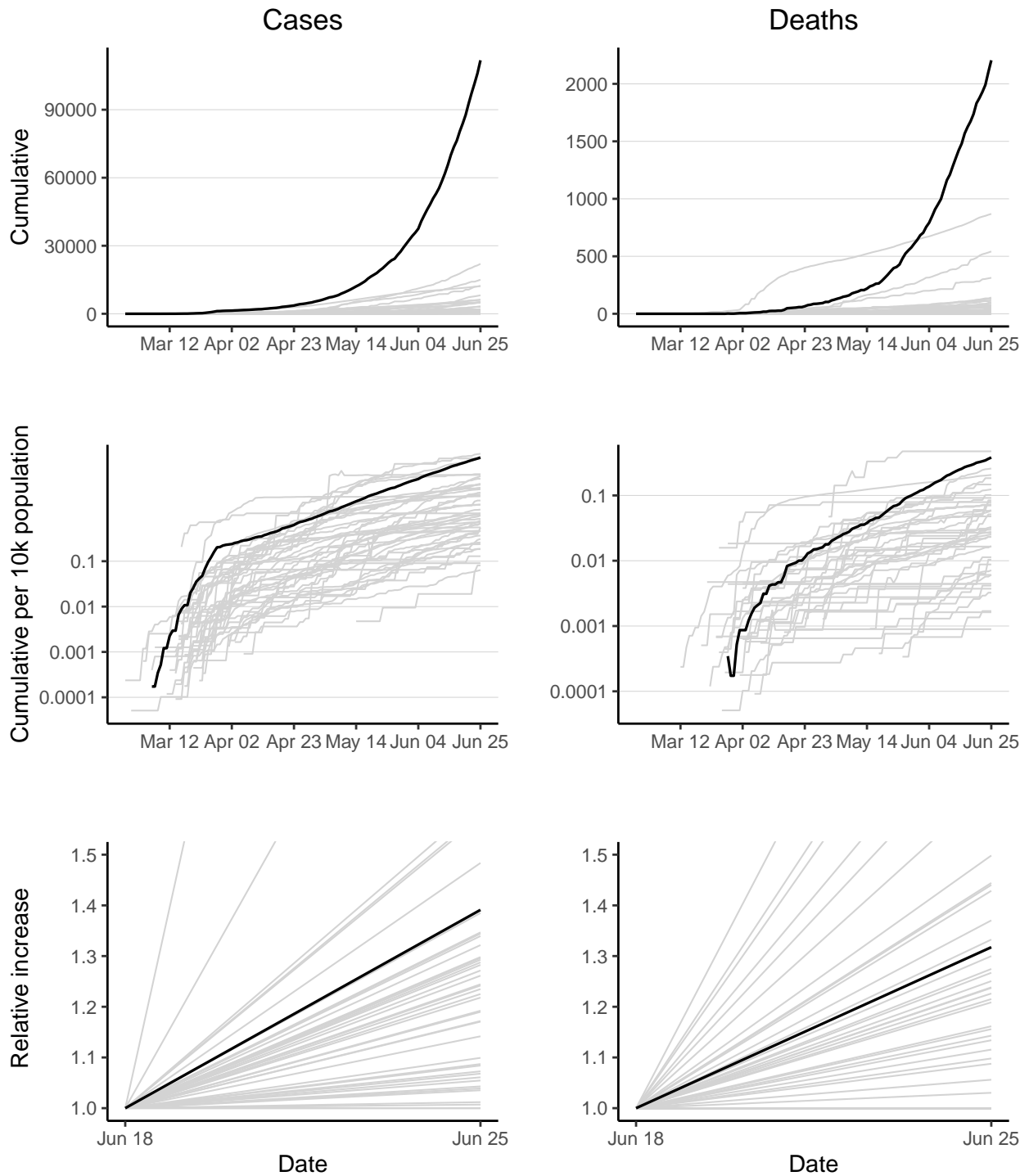
Seychelles has 11 reported case(s) (47th in the region) and 0 reported death(s) (46th). Cumulative counts per 10,000 population of reported cases and deaths are 1.1 (22nd) and 0 (46th) respectively. The doubling time of reported cases cannot be calculated as no new cases have been reported in last 7 days. The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Sierra Leone



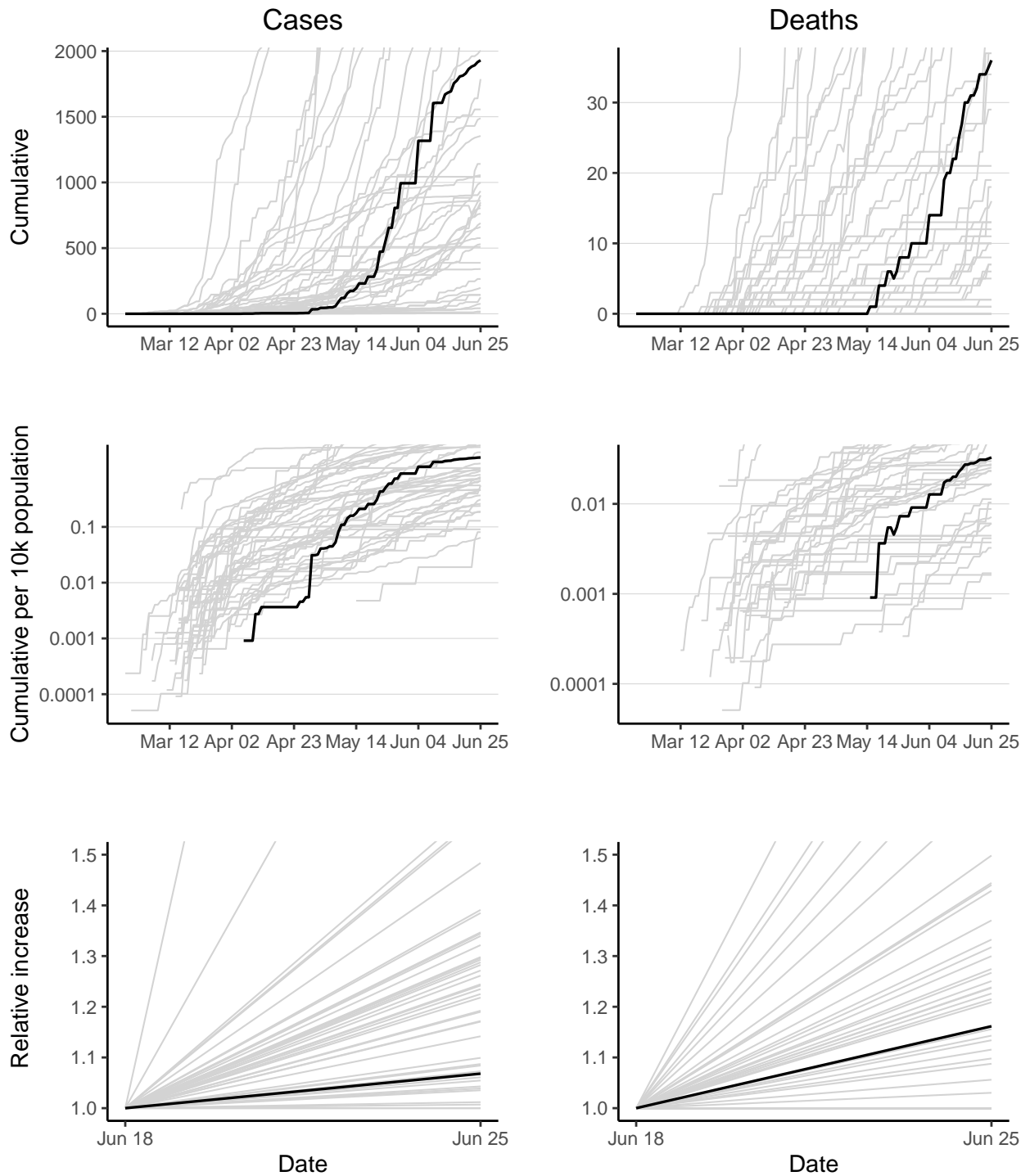
Sierra Leone has 1354 reported case(s) (20th in the region) and 56 reported death(s) (15th). Cumulative counts per 10,000 population of reported cases and deaths are 1.8 (19th) and 0.073 (13th) respectively. The doubling times of reported cases and deaths over the last 7 days are 60.1 days (32nd) and 51.9 days (28th).

South Africa



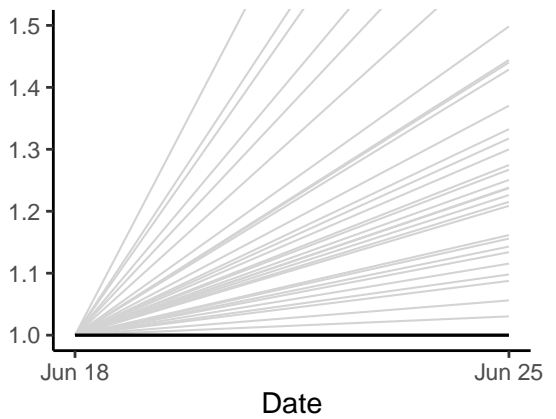
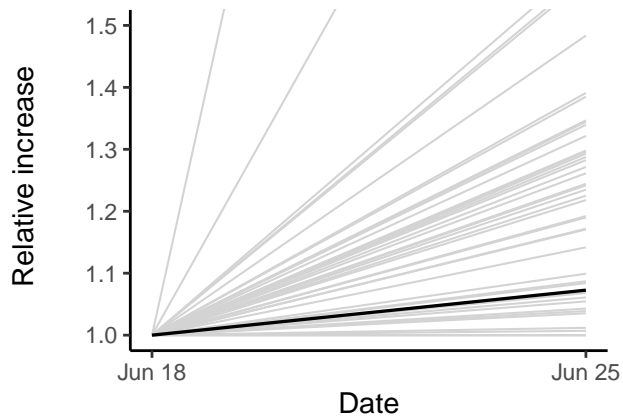
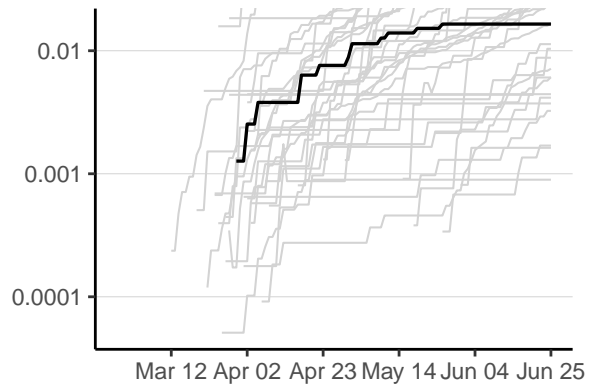
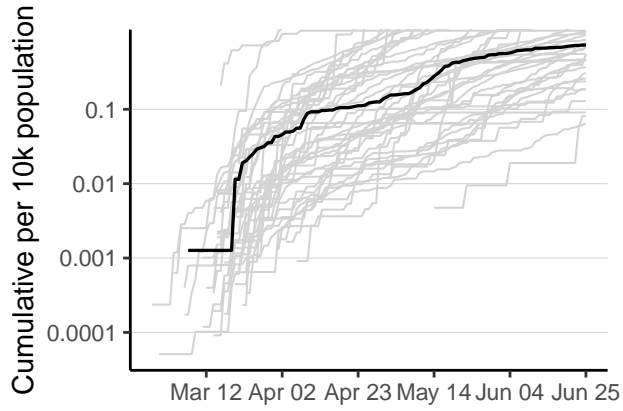
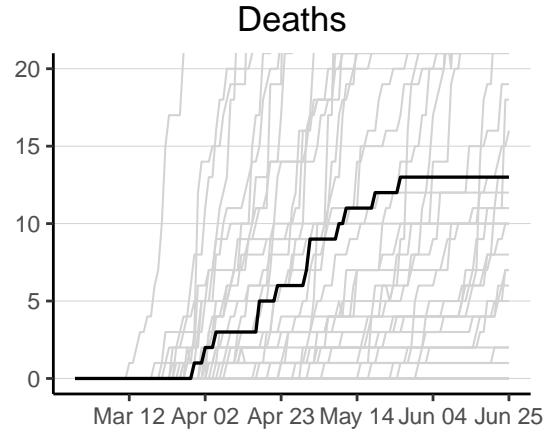
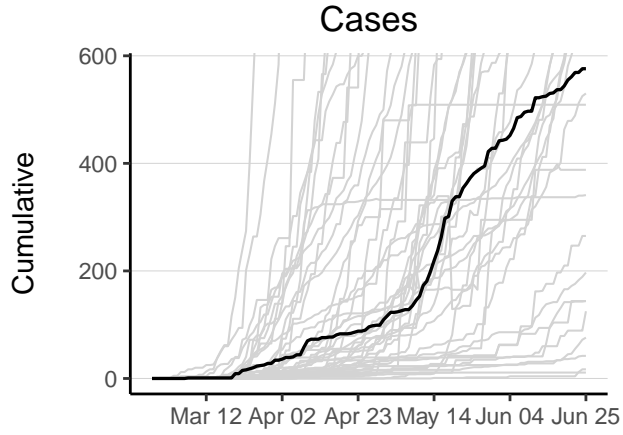
South Africa has 111796 reported case(s) (1st in the region) and 2205 reported death(s) (1st). Cumulative counts per 10,000 population of reported cases and deaths are 19 (2nd) and 0.38 (2nd) respectively. The doubling times of reported cases and deaths over the last 7 days are 14.7 days (7th) and 17.6 days (13th).

South Sudan



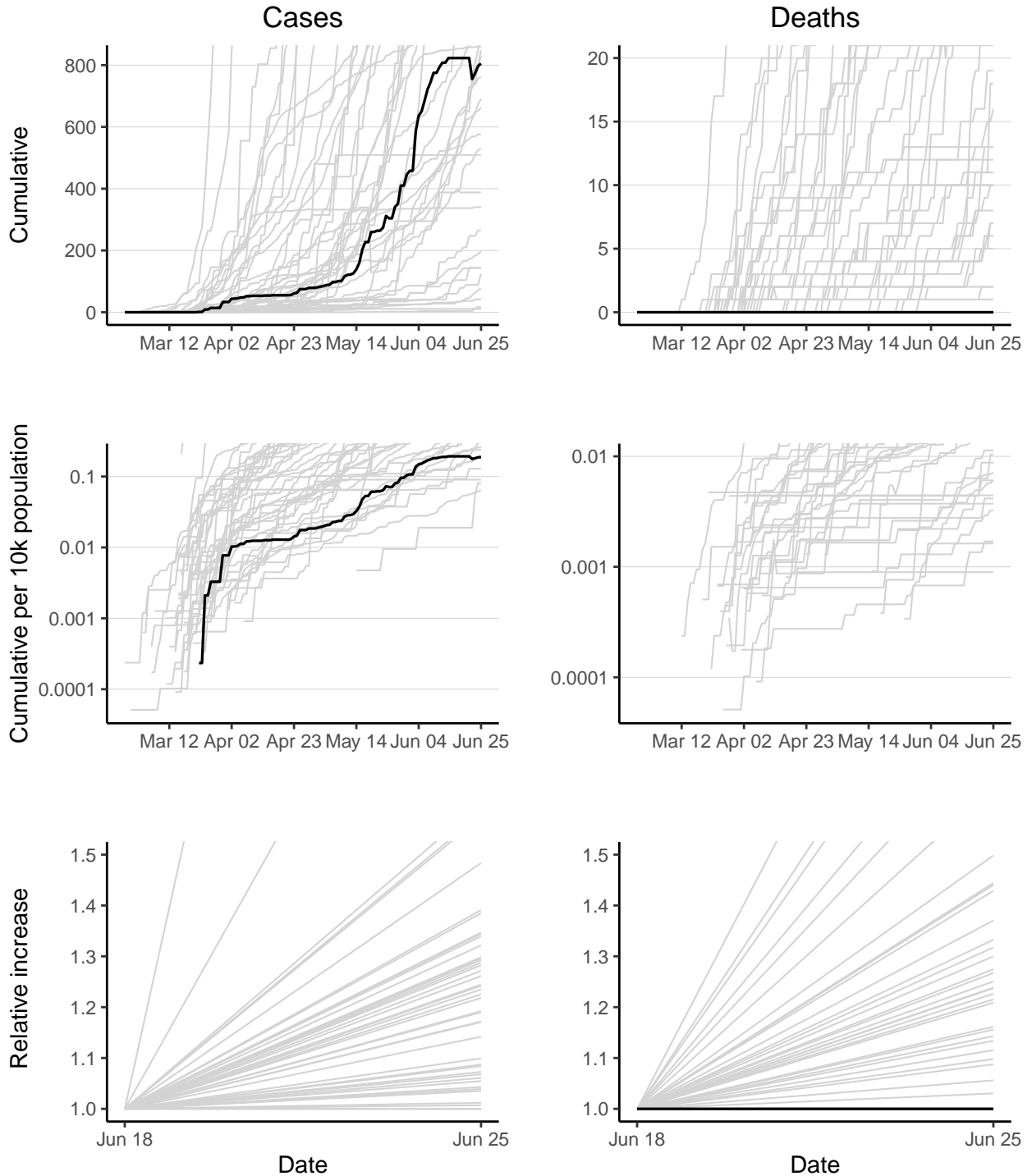
South Sudan has 1930 reported case(s) (16th in the region) and 36 reported death(s) (20th). Cumulative counts per 10,000 population of reported cases and deaths are 1.8 (20th) and 0.033 (20th) respectively. The doubling times of reported cases and deaths over the last 7 days are 73.7 days (34th) and 32.4 days (23rd).

Togo



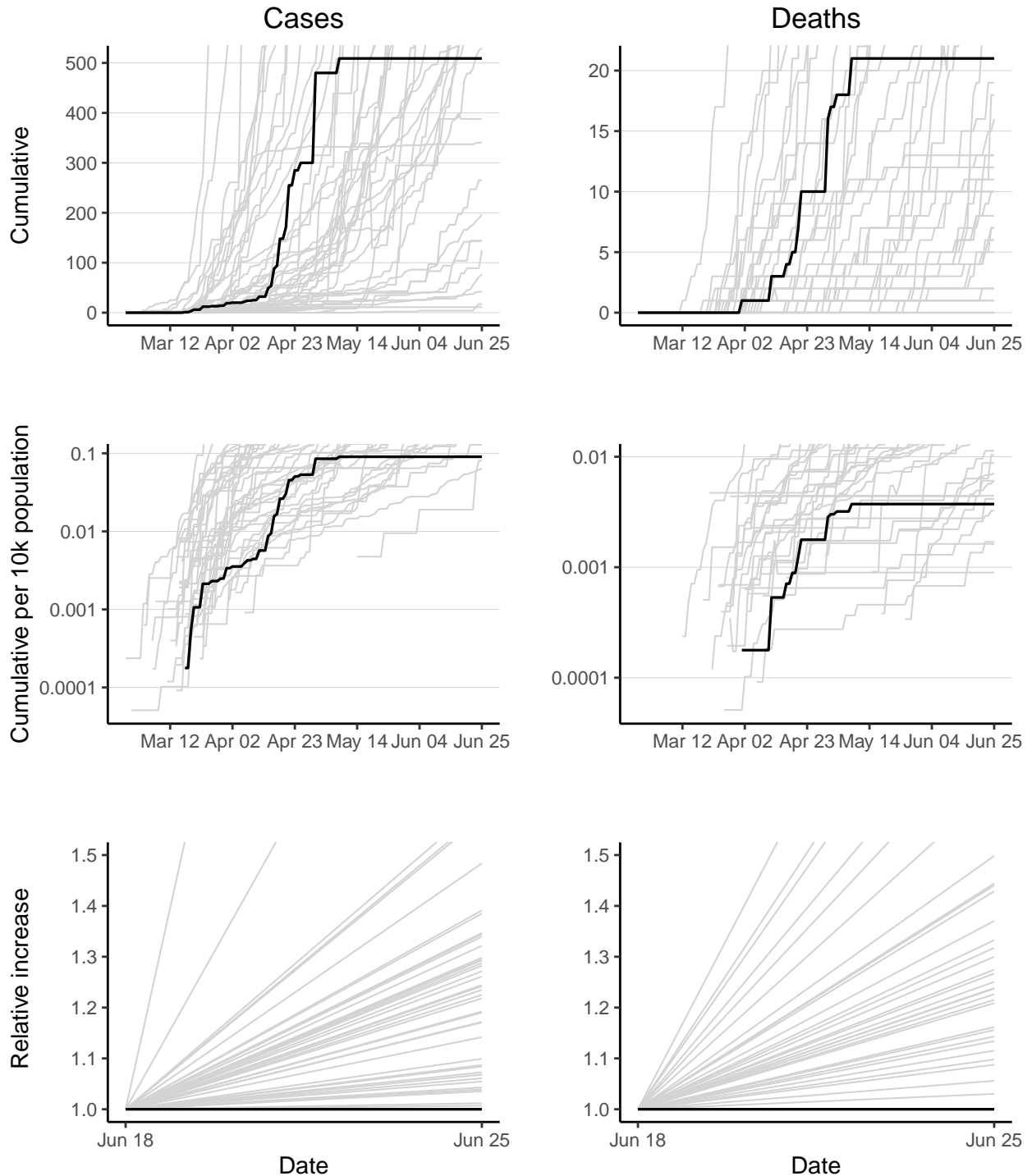
Togo has 576 reported case(s) (34th in the region) and 13 reported death(s) (28th). Cumulative counts per 10,000 population of reported cases and deaths are 0.73 (29th) and 0.016 (29th) respectively. The doubling time of reported cases over the last 7 days is 69.2 days (33rd). The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Uganda



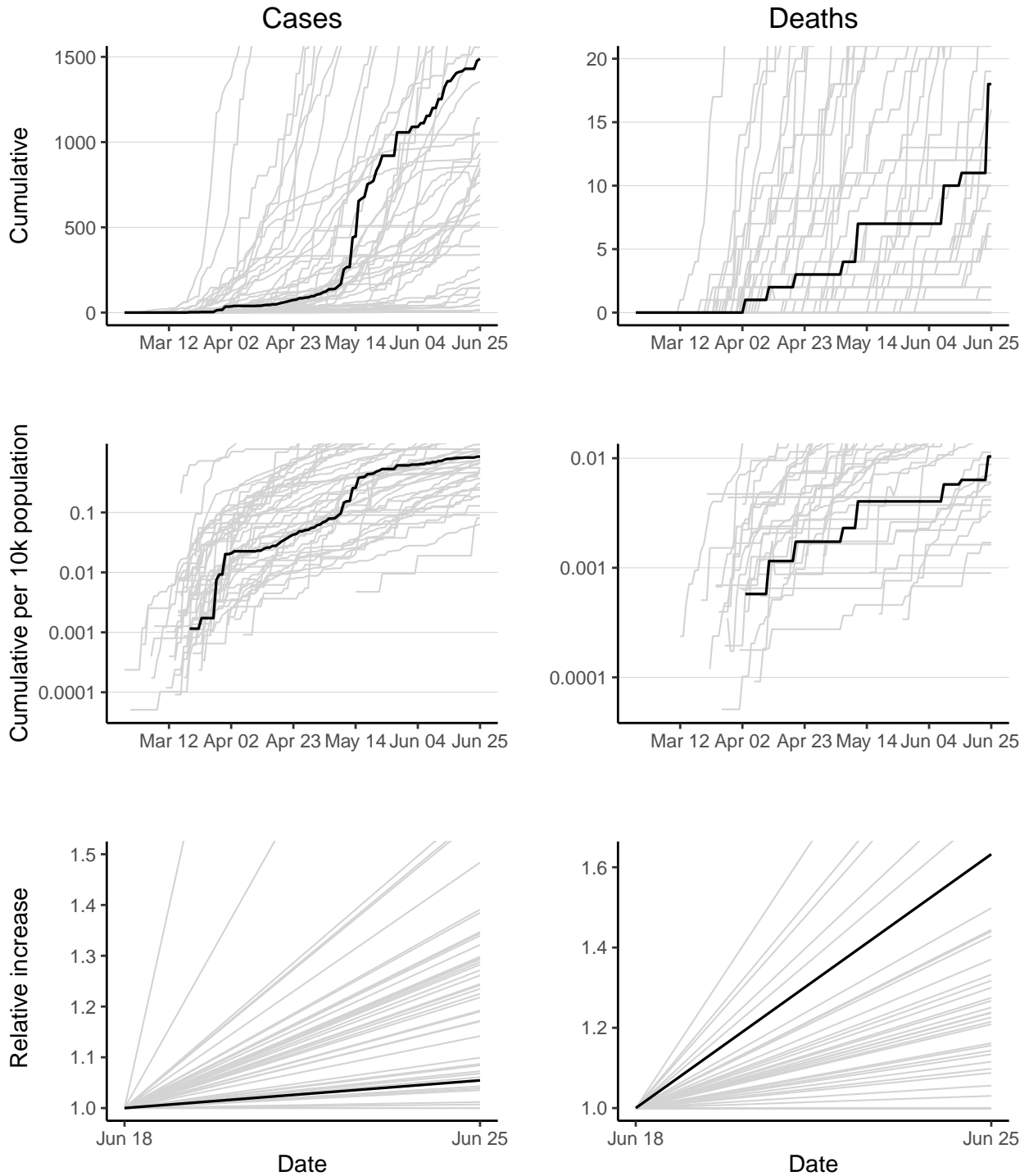
Uganda has 805 reported case(s) (30th in the region) and 0 reported death(s) (47th). Cumulative counts per 10,000 population of reported cases and deaths are 0.19 (42nd) and 0 (47th) respectively. The doubling time of reported cases cannot be calculated as some cases have been redacted in last 7 days. The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

United Republic of Tanzania



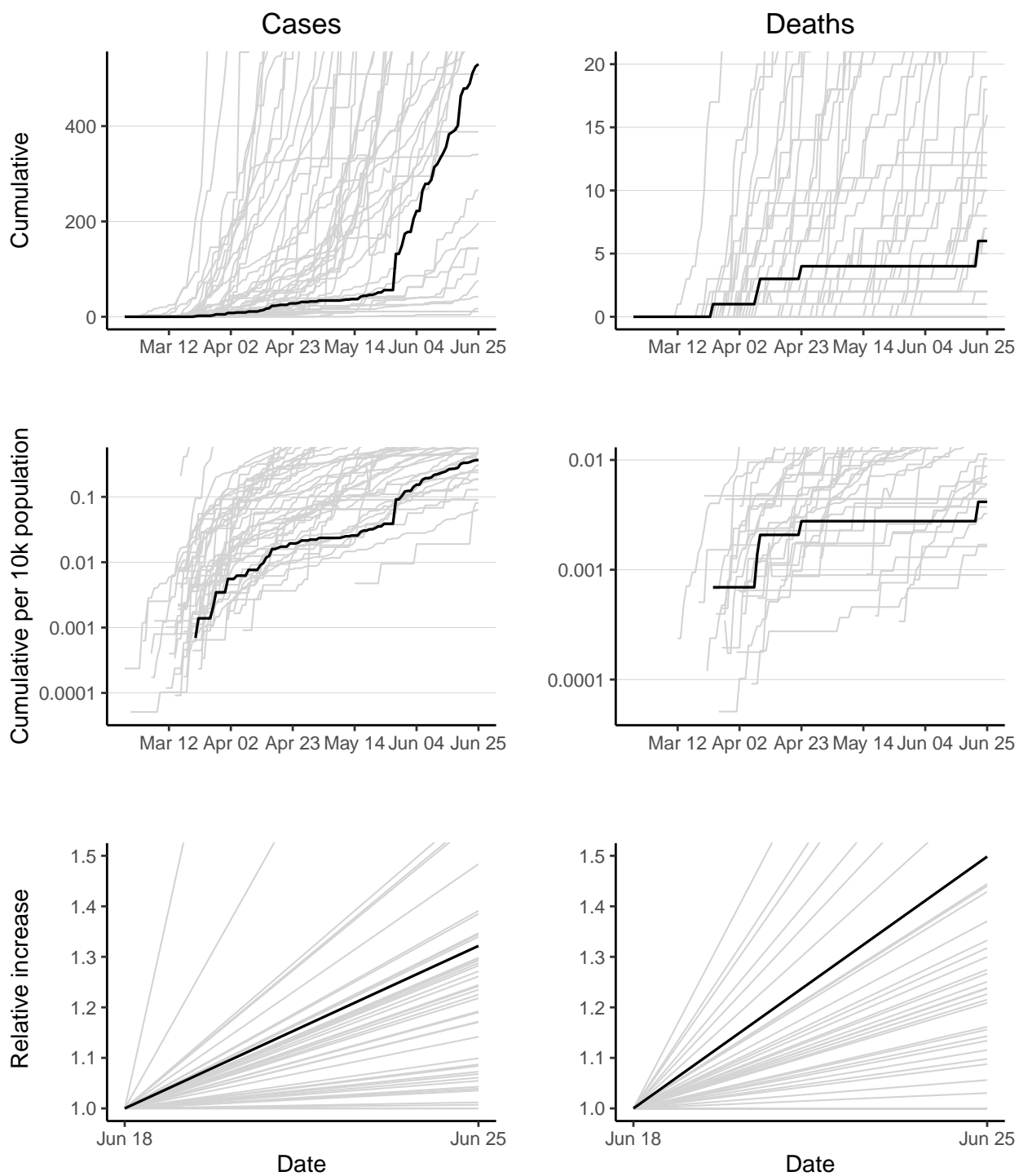
United Republic of Tanzania has 509 reported case(s) (36th in the region) and 21 reported death(s) (23rd). Cumulative counts per 10,000 population of reported cases and deaths are 0.09 (45th) and 0.0037 (38th) respectively. The doubling time of reported cases cannot be calculated as no new cases have been reported in last 7 days. The doubling time of reported deaths cannot be calculated as no new deaths have been reported in last 7 days.

Zambia



Zambia has 1489 reported case(s) (19th in the region) and 18 reported death(s) (25th). Cumulative counts per 10,000 population of reported cases and deaths are 0.86 (26th) and 0.01 (31st) respectively. The doubling times of reported cases and deaths over the last 7 days are 91.4 days (36th) and 9.9 days (6th).

Zimbabwe



Zimbabwe has 530 reported case(s) (35th in the region) and 6 reported death(s) (37th). Cumulative counts per 10,000 population of reported cases and deaths are 0.37 (38th) and 0.0042 (37th) respectively. The doubling times of reported cases and deaths over the last 7 days are 17.4 days (12th) and 12 days (7th).

Appendix

Data

Sources and access

- Case counts for countries in WHO Africa Region from WHO Coronavirus disease (COVID-2019) situation reports <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports> (accessed 2400 25/06/2020).
- Death counts for countries in WHO African Region from WHO Coronavirus disease (COVID-2019) situation reports <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports> (accessed 2400 25/06/2020).
- Population counts from the World Bank (2018) <https://data.worldbank.org/indicator/SP.POP.TOTL?locations=ZG> (accessed 0900 30/03/2020).

Doubling time calculations

Calculated over prior 7 days using method described by *E. Vynnycky & R. White (2010) An Introduction to Infectious Disease Modelling*, page 74.

Confidence intervals calculated using bootstrapping of a simulated dataset with Poisson error structure, using method published here: <https://doi.org/10.1101/2020.02.05.20020750>.

Caveats

- Case count data are affected by any changes in testing strategy or testing effort over time and/or any variation in testing strategy or testing effort between regions.
- Case count data are likely a substantial under-representation of the true number of COVID-19 infections.
- Death data are considered more reliable but may lag behind case data by as much as 3 weeks.
- Countries that have reduced their cumulative total cases/deaths in the last 7 days are assigned a doubling time of -1.

Extended Data tables

Cumulative reported cases

Country	Cum. reported cases	95%CI lower	95%CI upper
South Africa	111796	111193	112378
Nigeria	22020	NA	NA
Ghana	15013	14806	15215
Cameroon	12270	NA	NA
Algeria	12248	12064	12428
Cote d'Ivoire	8164	8010	8304
Democratic Republic of the Congo	6212	6074	6350
Senegal	6129	NA	NA
Kenya	5206	5091	5317
Guinea	5174	NA	NA
Ethiopia	5034	4921	5152
Gabon	4956	4837	5077
Mauritania	3292	3195	3392
Central African Republic	3051	2967	3140
Mali	2005	1934	2077
South Sudan	1930	1863	2007
Madagascar	1787	NA	NA
Guinea-Bissau	1556	1494	1624
Zambia	1489	1426	1555
Sierra Leone	1354	1296	1413
Congo	1141	1086	1194
Niger	1056	1004	1109
Equatorial Guinea	1043	991	1096
Cabo Verde	999	947	1049
Burkina Faso	934	881	988
Benin	902	NA	NA
Chad	860	813	910
Malawi	848	803	896
Rwanda	830	781	879
Uganda	805	NA	NA
Mozambique	762	717	808
Eswatini	690	649	734
Liberia	662	619	702
Togo	576	537	616
Zimbabwe	530	494	568
United Republic of Tanzania	509	472	547
Sao Tome and Principe	388	NA	NA
Mauritius	341	NA	NA
Comoros	265	238	293
Angola	197	176	220
Burundi	144	124	163
Eritrea	144	125	166
Botswana	125	106	143
Namibia	76	62	91
Gambia	42	32	54
Lesotho	17	11	24
Seychelles	11	6	17

Cumulative reported cases per 10,000 population

Country	Cum. reported cases per 10k pop	95%CI lower	95%CI upper
Gabon	23.3853558	23	24
South Africa	19.3486901	19	19
Sao Tome and Principe	18.3861857	NA	NA
Cabo Verde	18.3718394	17	19
Guinea-Bissau	8.3017261	8	9
Equatorial Guinea	7.9680727	8	8
Mauritania	7.4761788	7	8
Central African Republic	6.5382630	6	7
Eswatini	5.0475494	5	5
Ghana	5.0434863	5	5
Cameroon	4.8659124	NA	NA
Guinea	4.1677682	NA	NA
Senegal	3.8658136	NA	NA
Cote d'Ivoire	3.2565820	3	3
Comoros	3.1838639	3	4
Algeria	2.9004157	3	3
Mauritius	2.6950067	NA	NA
Congo	2.1756694	2	2
Sierra Leone	1.7698990	2	2
South Sudan	1.7583947	2	2
Liberia	1.3737355	1	1
Seychelles	1.1368099	1	2
Nigeria	1.1241878	NA	NA
Mali	1.0509658	1	1
Kenya	1.0129782	1	1
Zambia	0.8581231	1	1
Benin	0.7853689	NA	NA
Democratic Republic of the Congo	0.7389248	1	1
Togo	0.7301219	1	1
Madagascar	0.6804413	NA	NA
Rwanda	0.6746904	1	1
Chad	0.5556363	1	1
Botswana	0.5545387	0	1
Burkina Faso	0.4728746	0	1
Niger	0.4705264	0	0
Malawi	0.4673898	0	0
Ethiopia	0.4608854	0	0
Zimbabwe	0.3670610	0	0
Namibia	0.3104252	0	0
Mozambique	0.2583404	0	0
Eritrea	0.2380165	0	0
Uganda	0.1884225	NA	NA
Gambia	0.1842023	0	0
Burundi	0.1288547	0	0
United Republic of Tanzania	0.0903791	0	0
Lesotho	0.0806401	0	0
Angola	0.0639408	0	0

Cumulative deaths

Country	Cum. reported deaths	95%CI lower	95%CI upper
South Africa	2205	NA	NA
Algeria	869	821	919
Nigeria	542	505	580
Cameroon	313	286	343
Democratic Republic of the Congo	141	122	160
Kenya	130	NA	NA
Mauritania	114	96	131
Mali	113	96	130
Ghana	95	79	111
Senegal	93	78	110
Ethiopia	78	63	93
Chad	74	60	88
Niger	67	55	81
Cote d'Ivoire	58	45	71
Sierra Leone	56	44	69
Burkina Faso	53	42	65
Gabon	39	29	49
Central African Republic	37	28	47
Congo	37	NA	NA
South Sudan	36	NA	NA
Liberia	34	25	43
Guinea	29	20	38
United Republic of Tanzania	21	13	28
Guinea-Bissau	19	12	26
Zambia	18	12	25
Madagascar	16	10	23
Benin	13	NA	NA
Togo	13	7	19
Equatorial Guinea	12	6	18
Malawi	11	6	17
Angola	10	5	16
Mauritius	10	5	16
Sao Tome and Principe	10	NA	NA
Cabo Verde	8	4	13
Comoros	7	3	11
Eswatini	7	3	12
Zimbabwe	6	2	10
Mozambique	5	2	9
Gambia	2	0	4
Rwanda	2	0	5
Botswana	1	0	3
Burundi	1	0	3
Eritrea	0	0	0
Lesotho	0	0	0
Namibia	0	0	0
Seychelles	0	0	0
Uganda	0	0	0

Cumulative deaths per 10,000 populations

Country	Cum. reported deaths per 10k pop	95%CI lower	95%CI upper
Sao Tome and Principe	0.4738708	NA	NA
South Africa	0.3816224	NA	NA
Mauritania	0.2588956	0	0
Algeria	0.2057855	0	0
Gabon	0.1840252	0	0
Cabo Verde	0.1471218	0	0
Cameroon	0.1241264	0	0
Guinea-Bissau	0.1013707	0	0
Equatorial Guinea	0.0916749	0	0
Comoros	0.0841021	0	0
Central African Republic	0.0792906	0	0
Mauritius	0.0790325	0	0
Sierra Leone	0.0732011	0	0
Liberia	0.0705544	0	0
Congo	0.0705519	NA	NA
Mali	0.0592315	0	0
Senegal	0.0586589	0	0
Eswatini	0.0512070	0	0
Chad	0.0478106	0	0
South Sudan	0.0327991	NA	NA
Ghana	0.0319144	0	0
Niger	0.0298535	0	0
Nigeria	0.0276707	0	0
Burkina Faso	0.0268334	0	0
Kenya	0.0252953	NA	NA
Guinea	0.0233601	0	0
Cote d'Ivoire	0.0231359	0	0
Democratic Republic of the Congo	0.0167721	0	0
Togo	0.0164784	0	0
Benin	0.0113191	NA	NA
Zambia	0.0103736	0	0
Gambia	0.0087715	0	0
Ethiopia	0.0071413	0	0
Madagascar	0.0060924	0	0
Malawi	0.0060628	0	0
Botswana	0.0044363	0	0
Zimbabwe	0.0041554	0	0
United Republic of Tanzania	0.0037288	0	0
Angola	0.0032457	0	0
Mozambique	0.0016951	0	0
Rwanda	0.0016258	0	0
Burundi	0.0008948	0	0
Eritrea	0.0000000	0	0
Lesotho	0.0000000	0	0
Namibia	0.0000000	0	0
Seychelles	0.0000000	0	0
Uganda	0.0000000	0	0

Doubling time (cases)

Country	Doubling time (days)	95%CI lower	95%CI upper
Guinea	-1.0	NA	NA
Sao Tome and Principe	-1.0	NA	NA
Uganda	-1.0	NA	NA
Lesotho	3.4	2.0	5.7
Namibia	6.0	4.7	8.0
Mauritania	10.3	9.8	10.8
Botswana	10.6	8.3	13.7
Benin	10.7	NA	NA
Malawi	12.3	11.2	13.6
South Africa	14.7	14.6	14.9
Burundi	14.9	11.7	19.7
Cote d'Ivoire	16.3	15.8	17.0
Comoros	16.4	13.6	20.5
Ethiopia	16.6	15.9	17.4
Zimbabwe	17.4	15.2	20.3
Rwanda	18.6	16.4	21.0
Madagascar	18.7	NA	NA
Congo	18.9	17.2	21.0
Kenya	19.2	18.3	20.1
Liberia	19.5	17.1	22.6
Angola	20.2	16.2	27.2
Cabo Verde	20.9	18.8	23.7
Cameroon	22.2	NA	NA
Nigeria	22.4	NA	NA
Gambia	23.0	14.1	46.2
Eswatini	23.9	20.8	28.0
Democratic Republic of the Congo	24.6	23.5	25.9
Ghana	27.6	26.7	28.6
Central African Republic	27.9	26.0	30.1
Gabon	30.6	28.9	32.5
Mozambique	30.8	26.4	35.9
Senegal	36.6	NA	NA
Eritrea	51.3	35.1	87.0
Algeria	58.2	55.2	61.4
Sierra Leone	60.1	51.8	71.0
Togo	69.2	54.5	93.8
South Sudan	73.7	64.0	85.7
Mali	82.1	71.3	96.2
Zambia	91.4	77.6	113.0
Guinea-Bissau	115.5	95.6	146.7
Burkina Faso	127.0	100.1	172.4
Niger	139.9	108.4	191.6
Mauritius	411.2	NA	NA
Chad	693.0	414.7	2025.8
Equatorial Guinea	NA	Inf	Inf
Seychelles	NA	Inf	Inf
United Republic of Tanzania	NA	Inf	Inf

Doubling time (deaths)

Country	Doubling time (days)	95%CI lower	95%CI upper
Comoros	5.7	2.7	21.7
Central African Republic	6.7	4.7	10.5
Gambia	7.0	4.4	Inf
Malawi	8.0	3.7	21.7
Eswatini	8.7	3.5	41.2
Zambia	9.9	5.3	21.7
Zimbabwe	12.0	4.4	Inf
Benin	13.2	NA	NA
Ghana	13.3	10.0	19.3
Angola	13.6	6.0	65.5
Congo	15.4	NA	NA
Madagascar	16.9	8.3	65.5
South Africa	17.6	NA	NA
Gabon	18.5	11.3	37.6
Senegal	20.0	14.3	30.3
Guinea-Bissau	20.5	10.0	75.2
Mozambique	21.7	7.0	Inf
Ethiopia	22.7	15.4	37.8
Democratic Republic of the Congo	22.8	17.0	33.4
Mauritania	23.8	17.5	36.0
Kenya	24.9	NA	NA
Cote d'Ivoire	25.6	16.1	48.0
South Sudan	32.4	NA	NA
Nigeria	33.5	28.3	41.1
Cabo Verde	36.3	10.3	Inf
Cameroon	38.6	29.7	51.1
Guinea	44.4	21.7	182.4
Sierra Leone	51.9	29.3	143.2
Algeria	57.8	48.0	71.6
Mali	88.9	50.9	249.9
Liberia	162.5	55.8	Inf
Botswana	NA	Inf	Inf
Burkina Faso	NA	Inf	Inf
Burundi	NA	Inf	Inf
Chad	NA	Inf	Inf
Equatorial Guinea	NA	Inf	Inf
Mauritius	NA	Inf	Inf
Niger	NA	Inf	Inf
Rwanda	NA	Inf	Inf
Sao Tome and Principe	NA	NA	NA
Togo	NA	Inf	Inf
United Republic of Tanzania	NA	Inf	Inf
Eritrea	NA	NA	NA
Lesotho	NA	NA	NA
Namibia	NA	NA	NA
Seychelles	NA	NA	NA
Uganda	NA	NA	NA