COVID-19 situation report for WHO Africa Region

17/04/2020

Produced by the TIBA COVID-19 Pandemic Response Unit



NIHR Global Health Research Unit Tackling Infections to Benefit Africa at the University of Edinburgh

Contents (click to access)

Section 1: Overview of WHO Africa Region 16/04/2020 **4**

Section 2: Individual country situations **7**

Algeria . . . 8
Angola . . . 9
Benin . . . 10
Botswana . . . 11
Burkina Faso . . . 12
Burundi . . . 13
Cabo Verde . . . 14
Cameroon . . . 15
Central African Republic . . . 16
Chad . . . 17
Comoros . . . 18
Congo . . . 19
Cote d'Ivoire . . . 20
Democratic Republic of the Congo . . . 21
Equatorial Guinea . . . 22
Eritrea . . . 23
Eswatini . . . 24
Ethiopia . . . 25
Gabon . . . 26
Gambia . . . 27
Ghana . . . 28
Guinea . . . 29
Guinea-Bissau . . . 30
Kenya . . . 31
Lesotho . . . 32
Liberia . . . 33
Madagascar . . . 34
Malawi . . . 35
Mali . . . 36
Mauritania . . . 37
Mauritius . . . 38
Mozambique . . . 39
Namibia . . . 40
Niger . . . 41
Nigeria . . . 42
Rwanda . . . 43
Sao Tome and Principe . . . 44
Senegal . . . 45
Seychelles . . . 46
Sierra Leone . . . 47
South Africa . . . 48
South Sudan . . . 49
Togo . . . 50
Uganda . . . 51
United Republic of Tanzania . . . 52

Zambia . . . 53
Zimbabwe . . . 54

Appendix **55**
Data . . . 55
Sources and access . . . 55
Doubling time calculations . . . 55
Caveats . . . 55

Extended Data tables **56**
Cumulative reported cases . . . 56
Cumulative reported cases per 10,000 population . . . 57
Cumulative deaths . . . 58
Cumulative deaths per 10,000 populations . . . 59
Doubling time (cases) . . . 60
Doubling time (deaths) . . . 61

Section 1: Overview of WHO Africa Region 16/04/2020



Total Reported Cases
11232

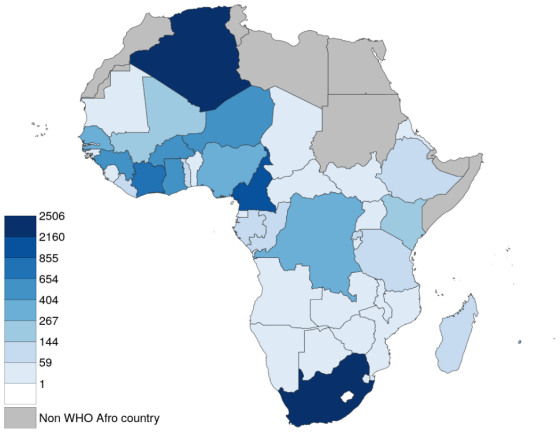
Total Reported Deaths
547

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

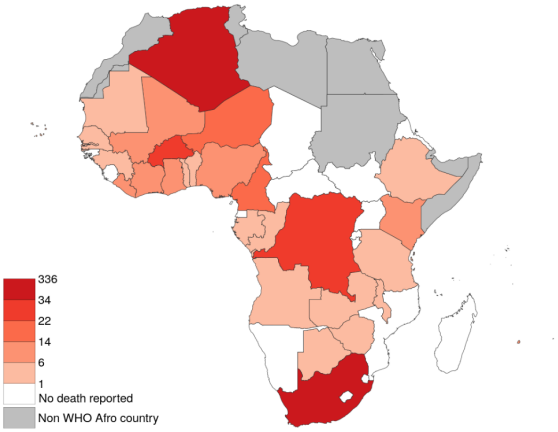
The maps below summarise the in-country situations:

- 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 16/04/2020. The lower the doubling time the faster the spread of COVID-19.

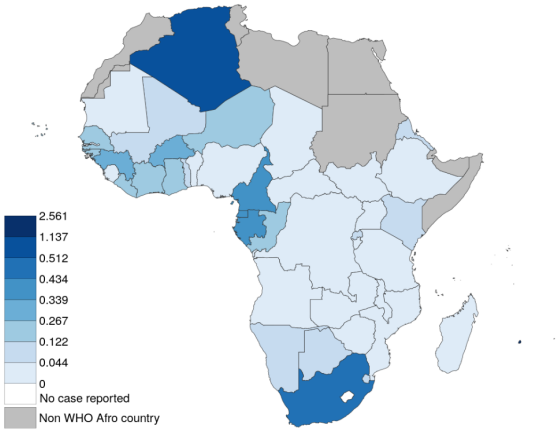
CUMULATIVE REPORTED CASES



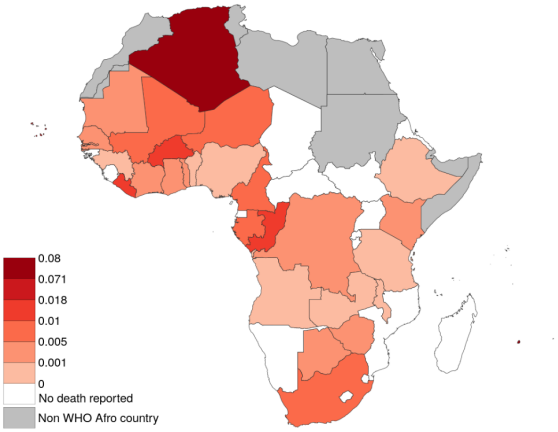
CUMULATIVE REPORTED DEATHS



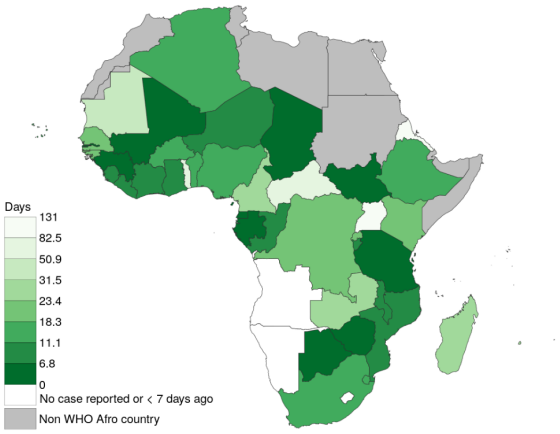
CUMULATIVE REPORTED CASES PER 10k POPULATION



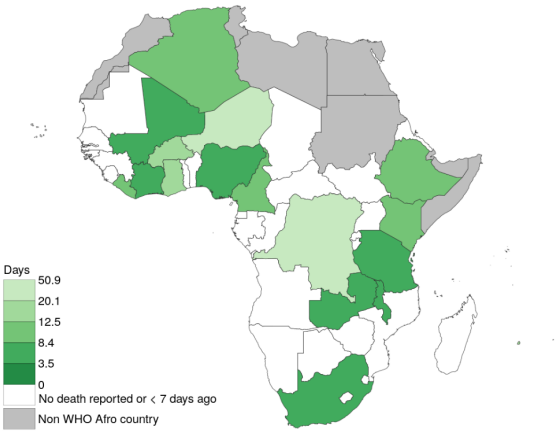
CUMULATIVE REPORTED DEATHS PER 10k POPULATION



DOUBLING TIME CASES



DOUBLING TIME DEATHS

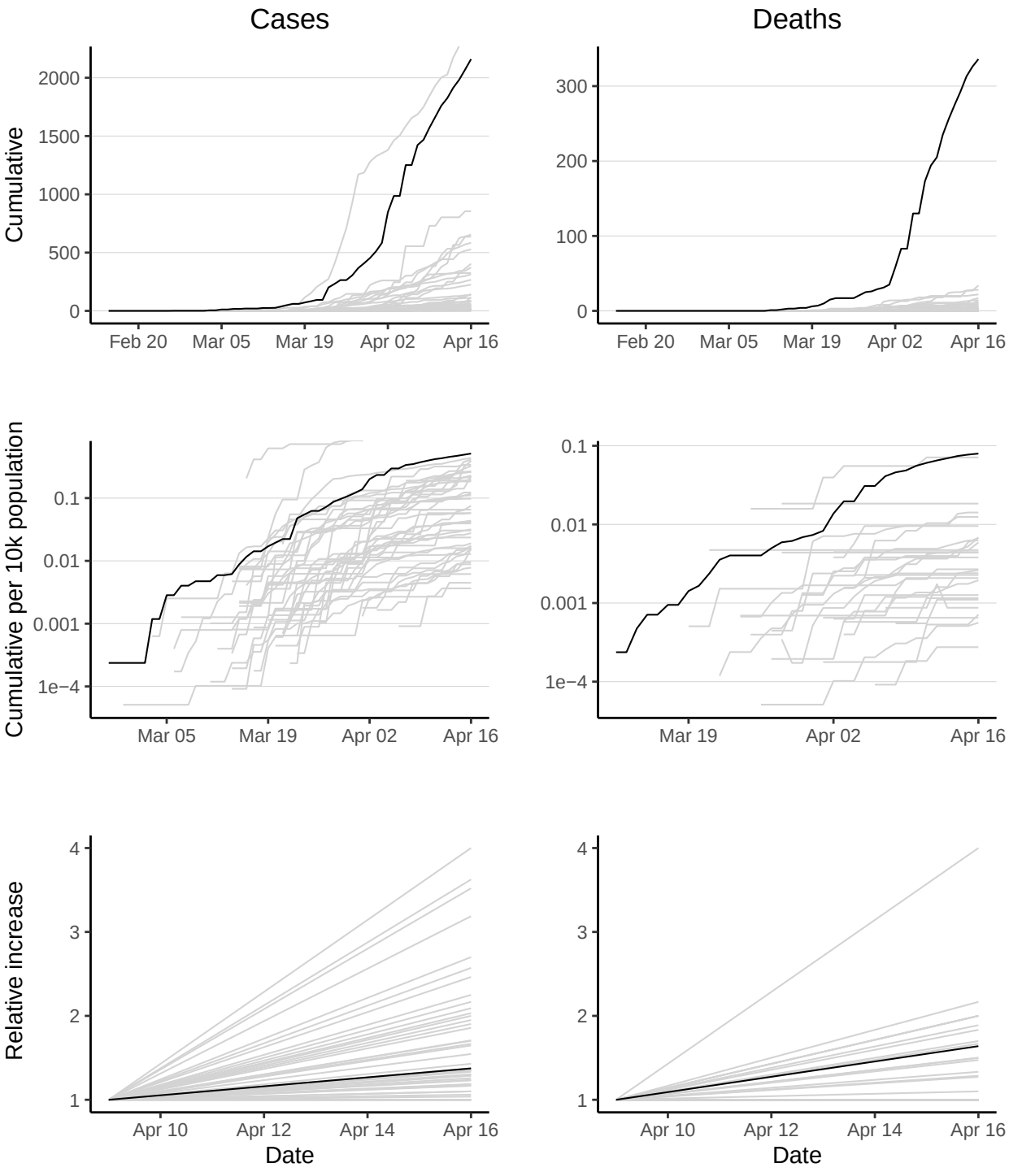


Section 2: Individual country situations

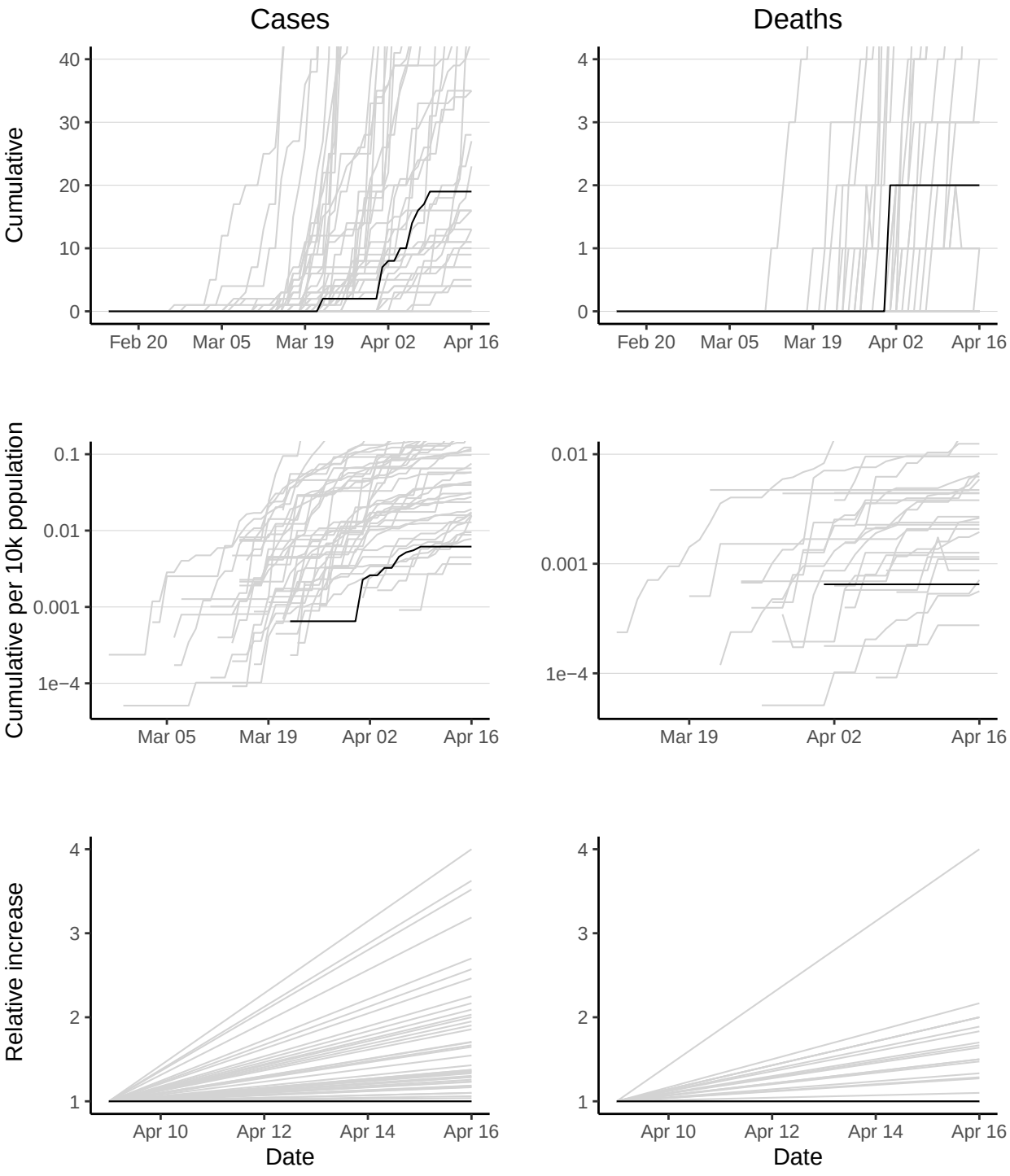
As of 16/04/2020, each panel below shows for each country:

- 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) based on the doubling times (of cases and deaths respectively) estimated over a 7 day period up to 16/04/2020. The lower the doubling time the faster the spread of COVID-19.

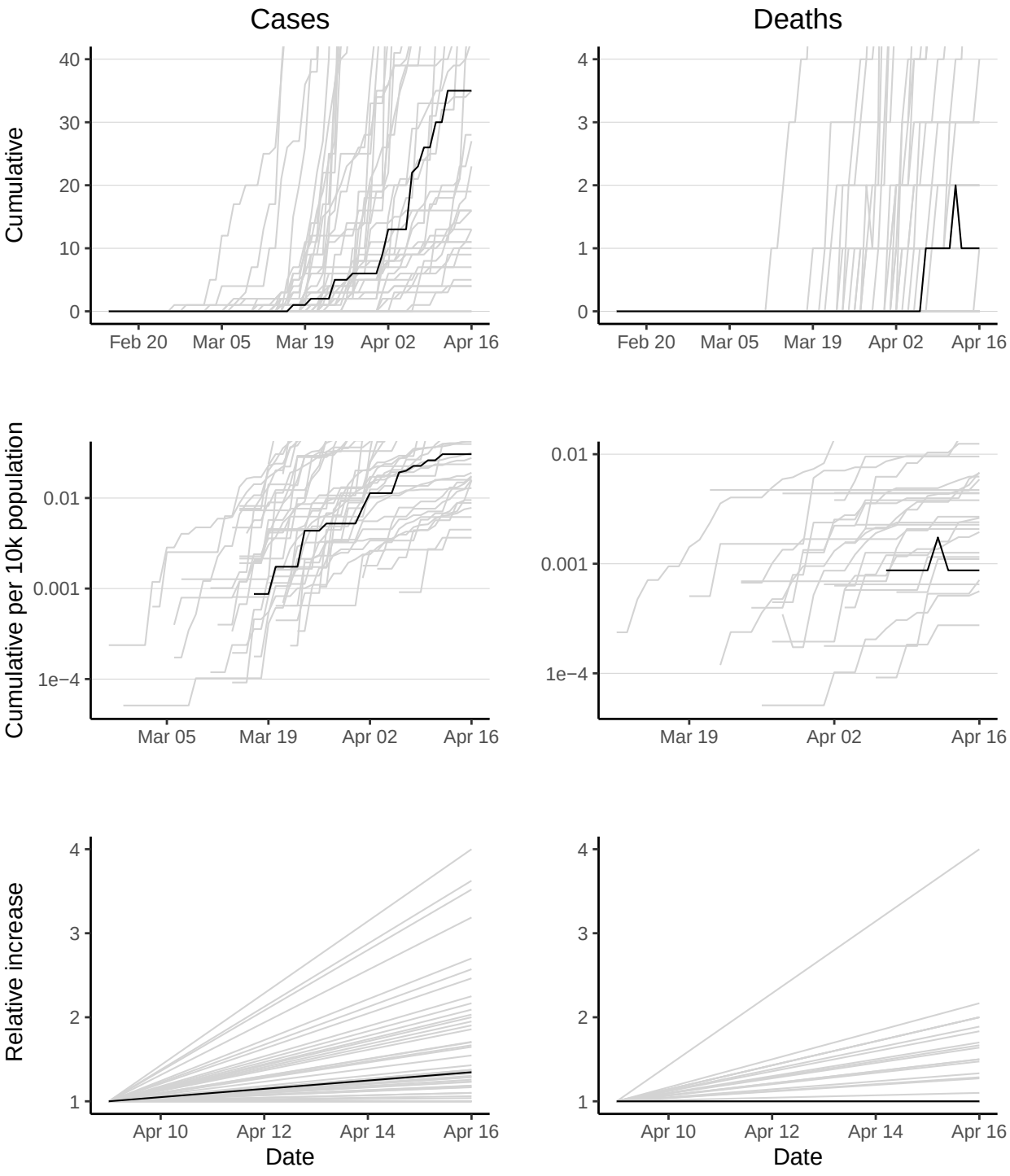
Algeria


Cases
Deaths
Cumulative
2000
1500
1000
500
0
300
200
100
Feb 20
Mar 05
Mar 19
Apr 02
Apr 16
Cumulative per 10k population
0.1
0.01
0.001
1e−4
Relative increase
4
3
2
1
Apr 10
Apr 12
Apr 14
Date

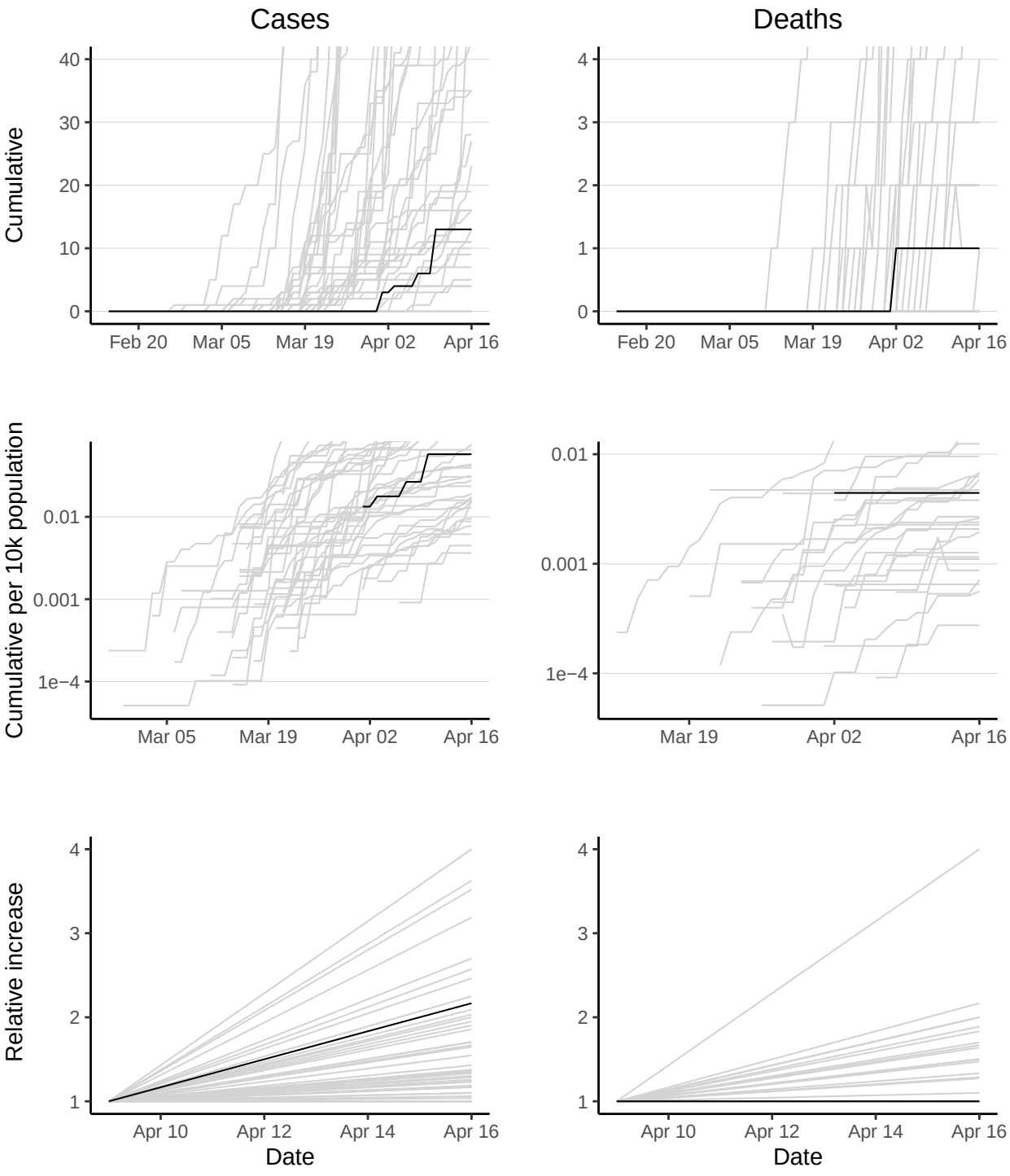
Angola


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

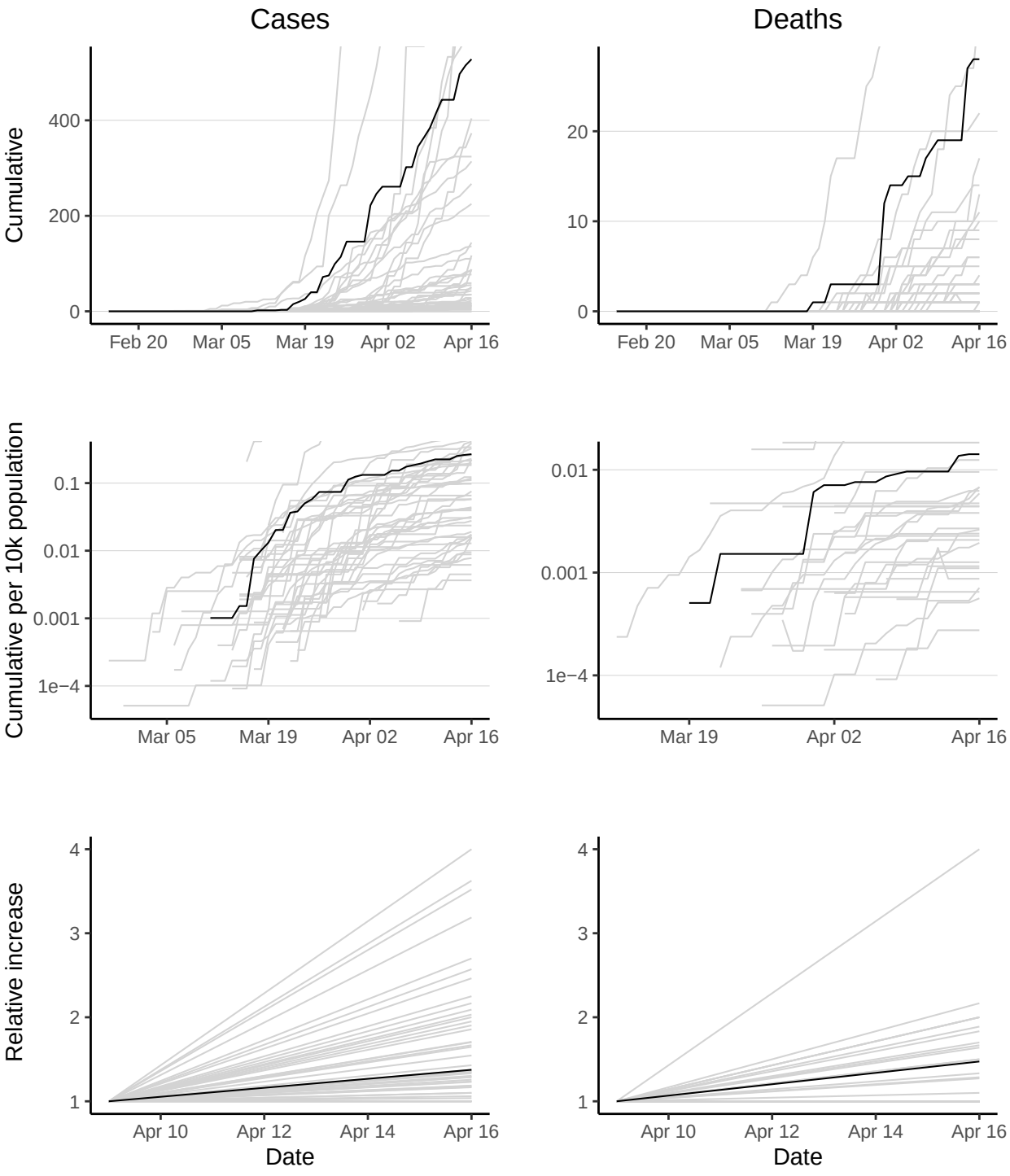
Benin


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16
0
10
20
30
40
1
2
3
4
0.01
0.001
1e−4

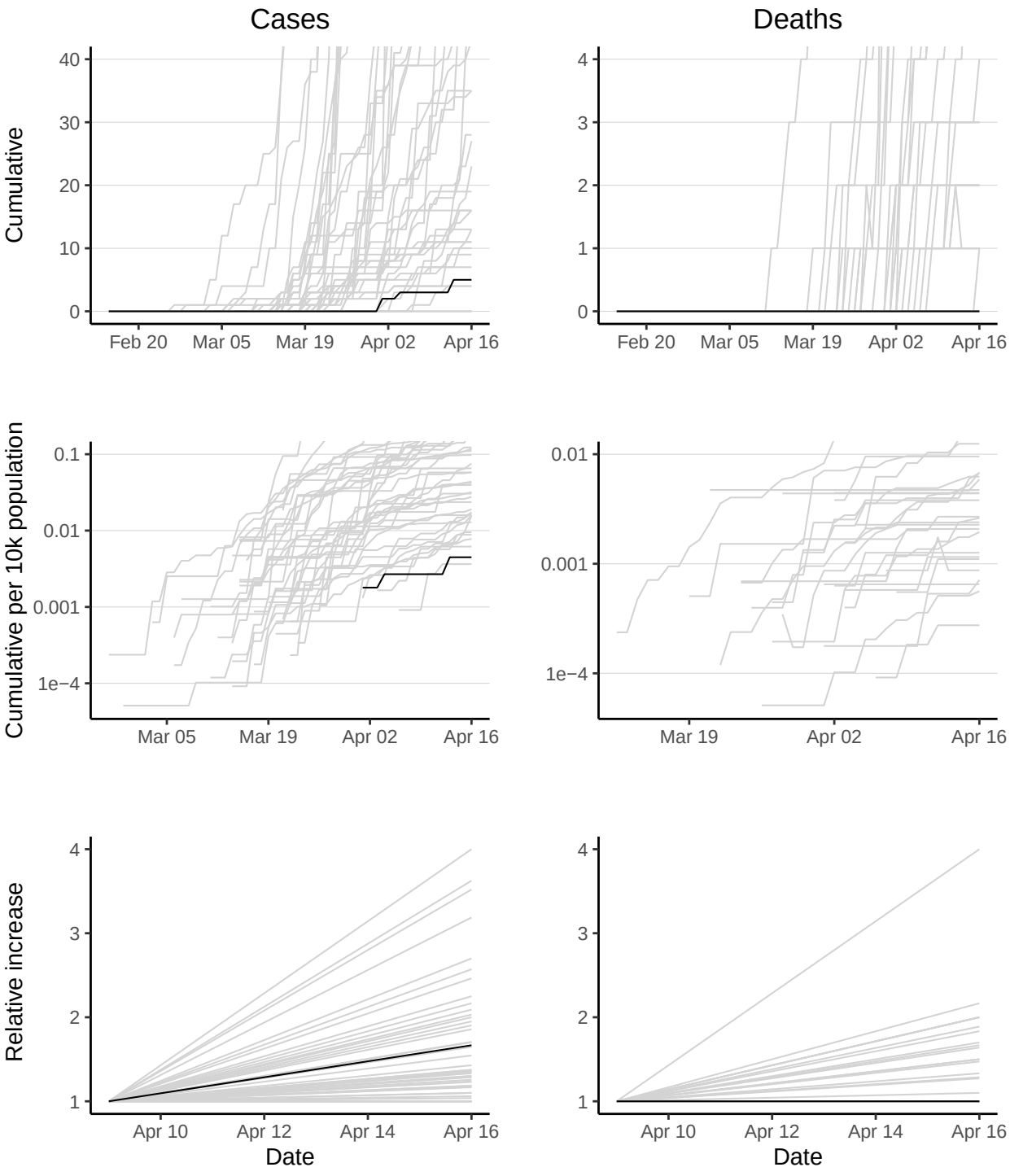
Botswana


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

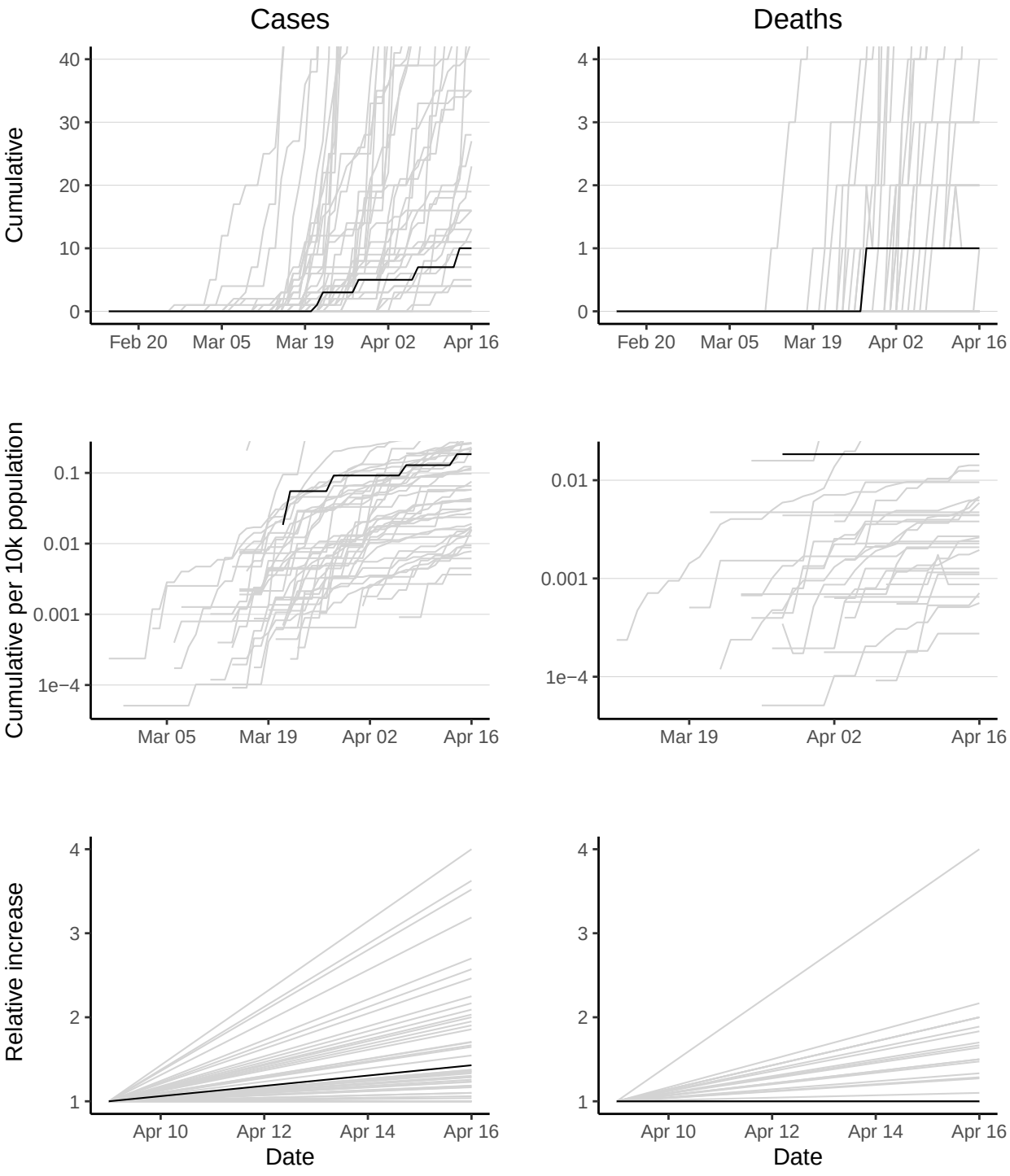
Burkina Faso



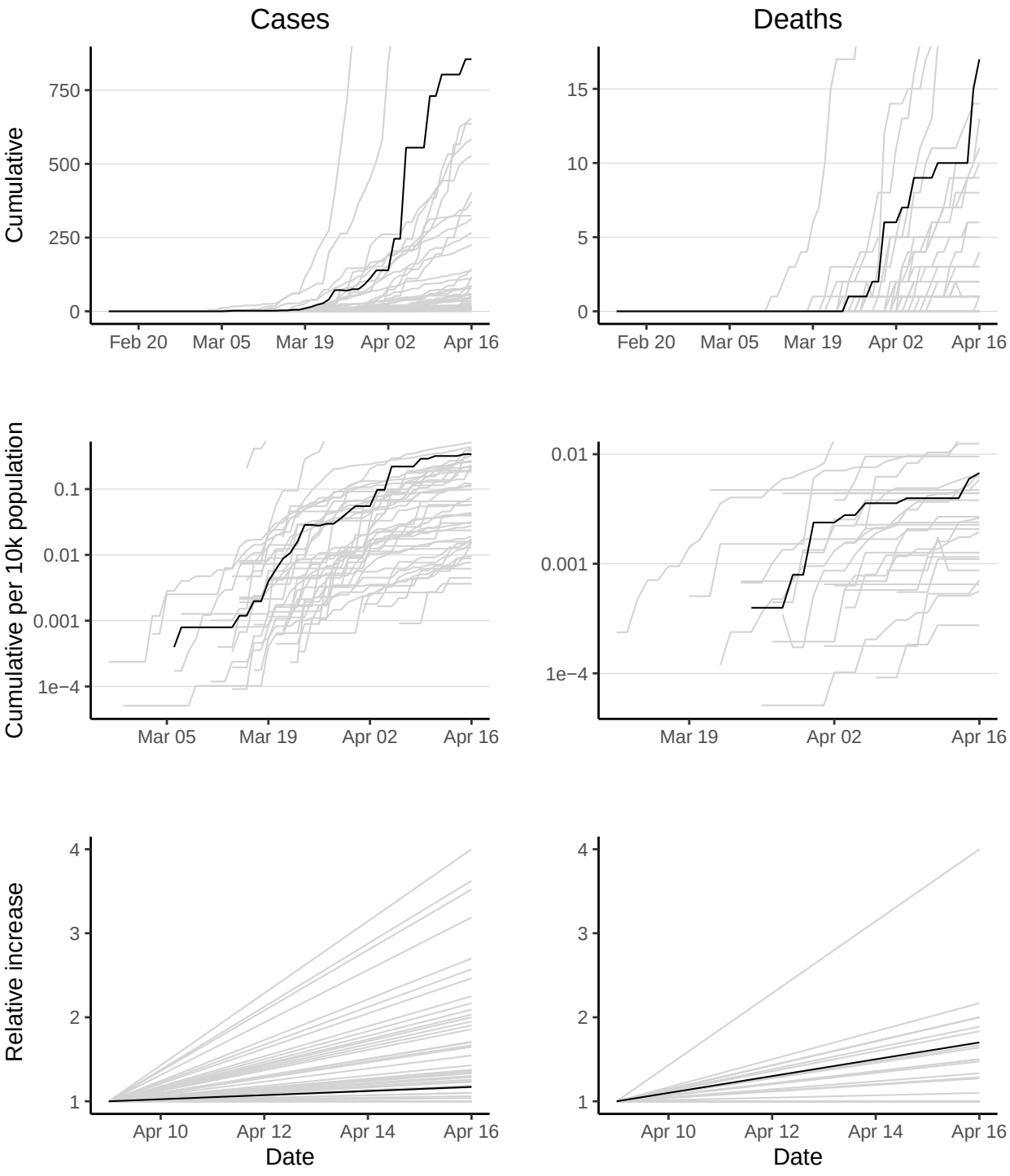
Burundi


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

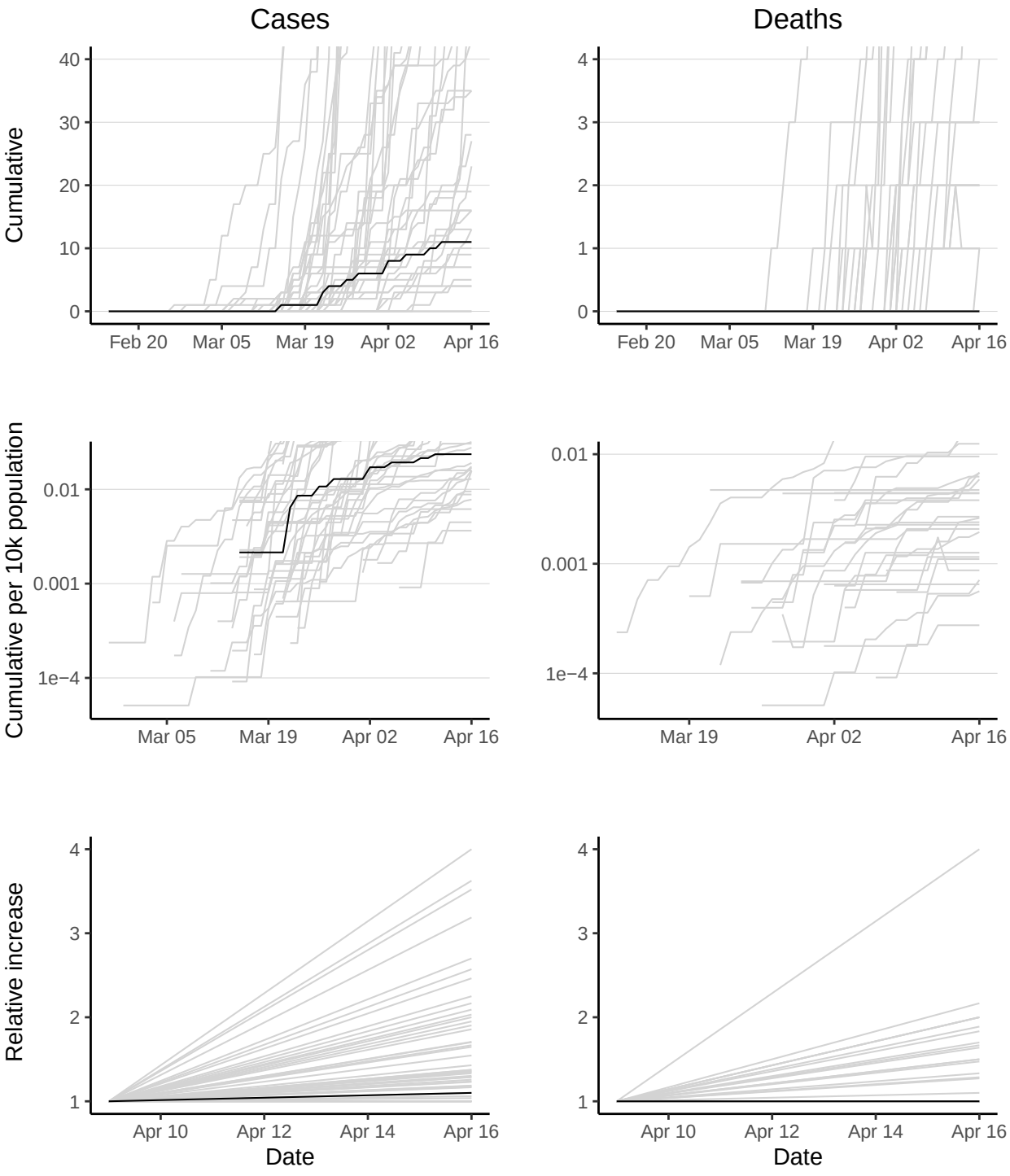
Cabo Verde


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

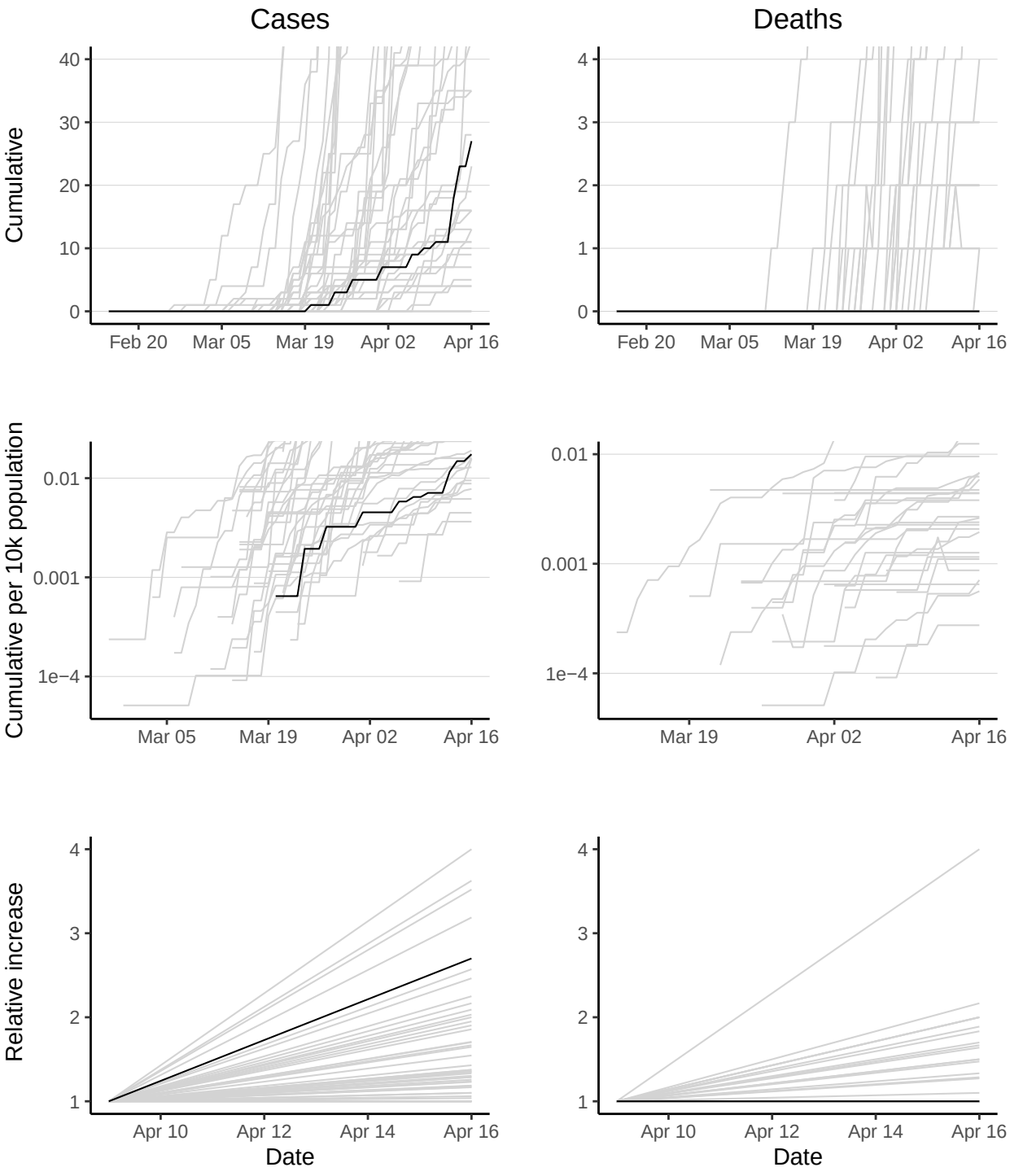
Cameroon


Cases
Deaths
Cumulative
750
500
250
0
15
10
5
0
Feb 20
Mar 05
Mar 19
Apr 02
Apr 16
Cumulative per 10k population
0.1
0.01
0.001
1e−4
0.01
0.001
1e−4
Mar 05
Mar 19
Apr 02
Apr 16
Mar 19
Apr 02
Apr 16
Relative increase
4
3
2
1
Apr 10
Apr 12
Apr 14
Apr 16
Date

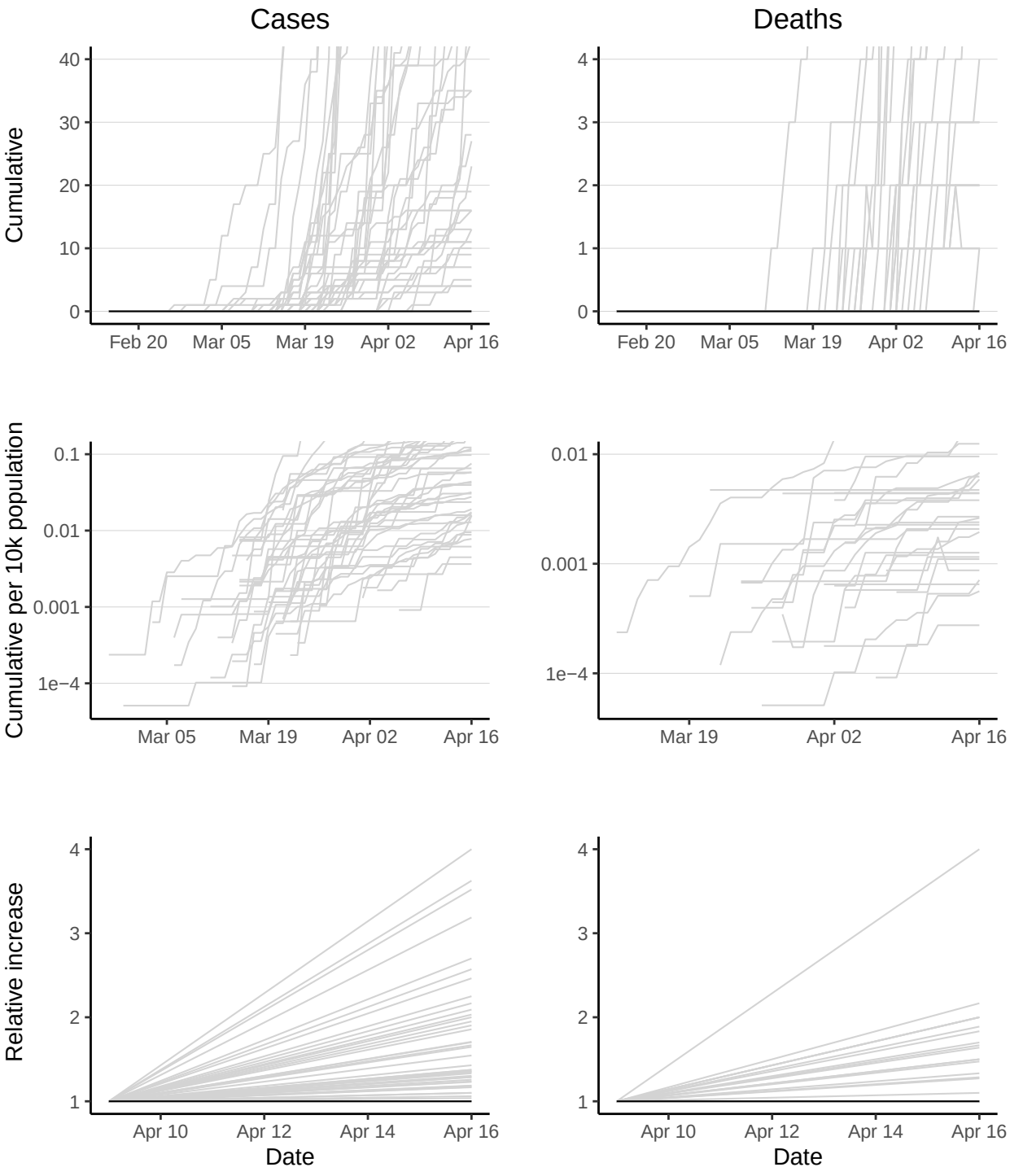
Central African Republic



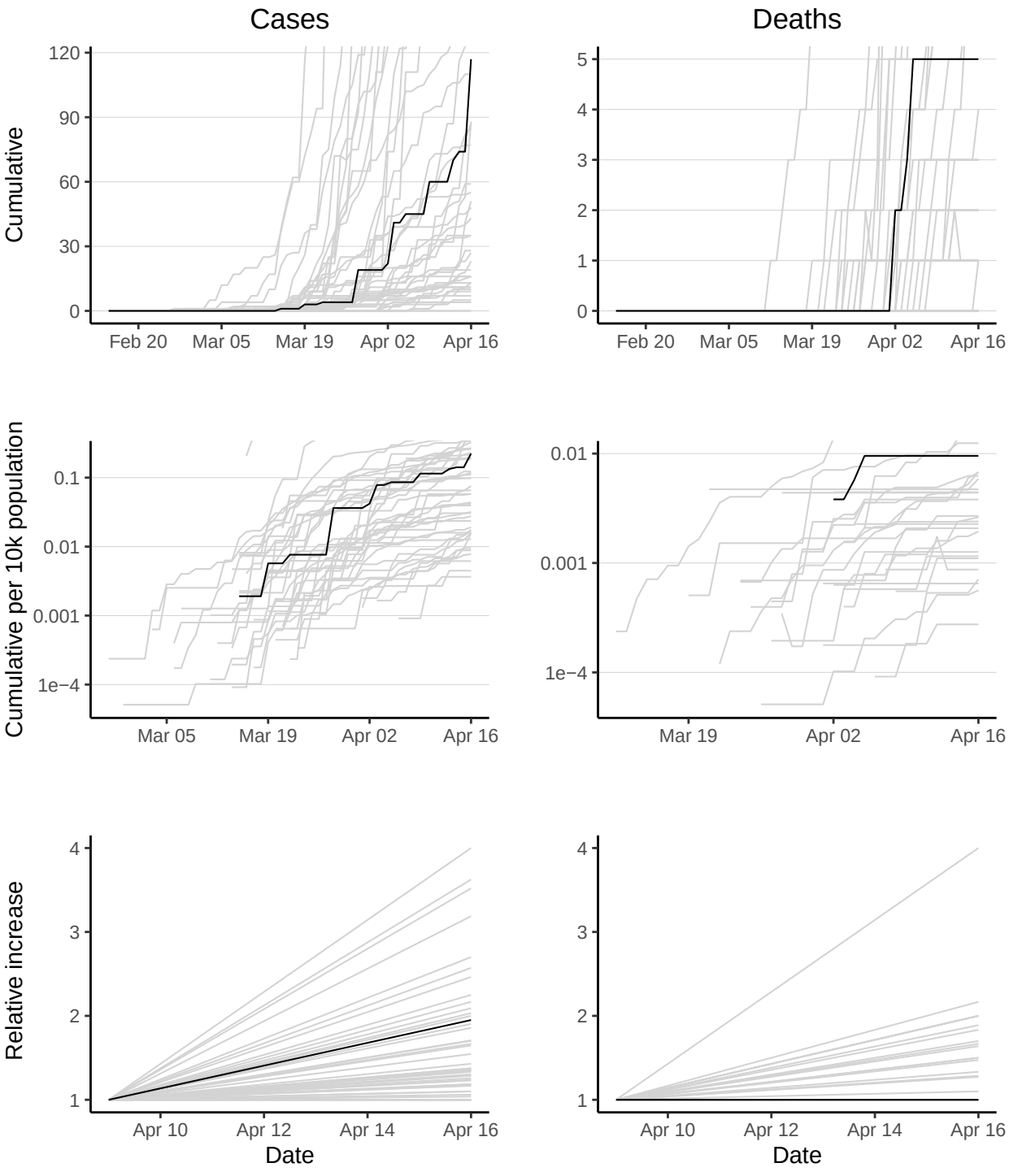
Chad


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

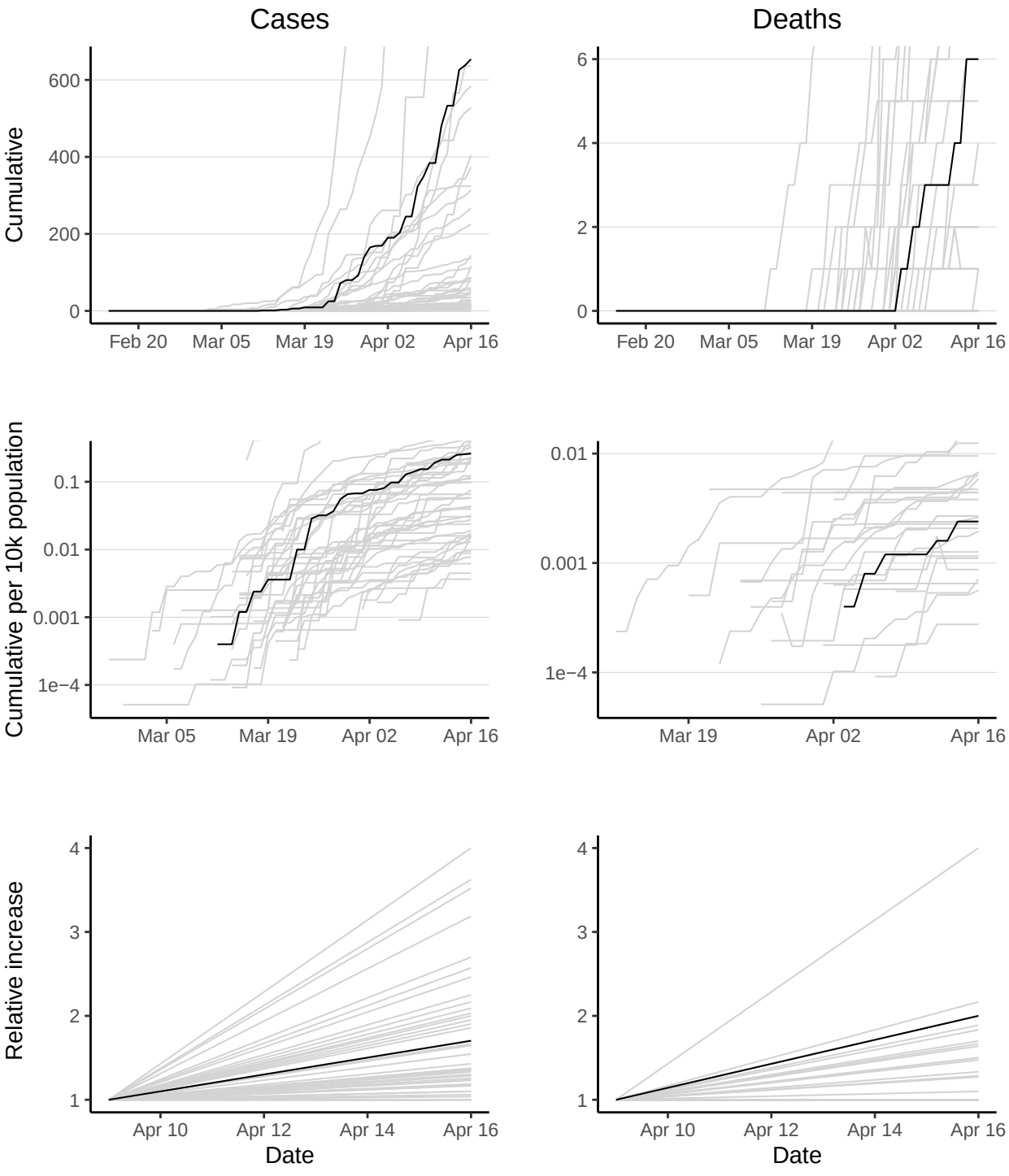
Comoros


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

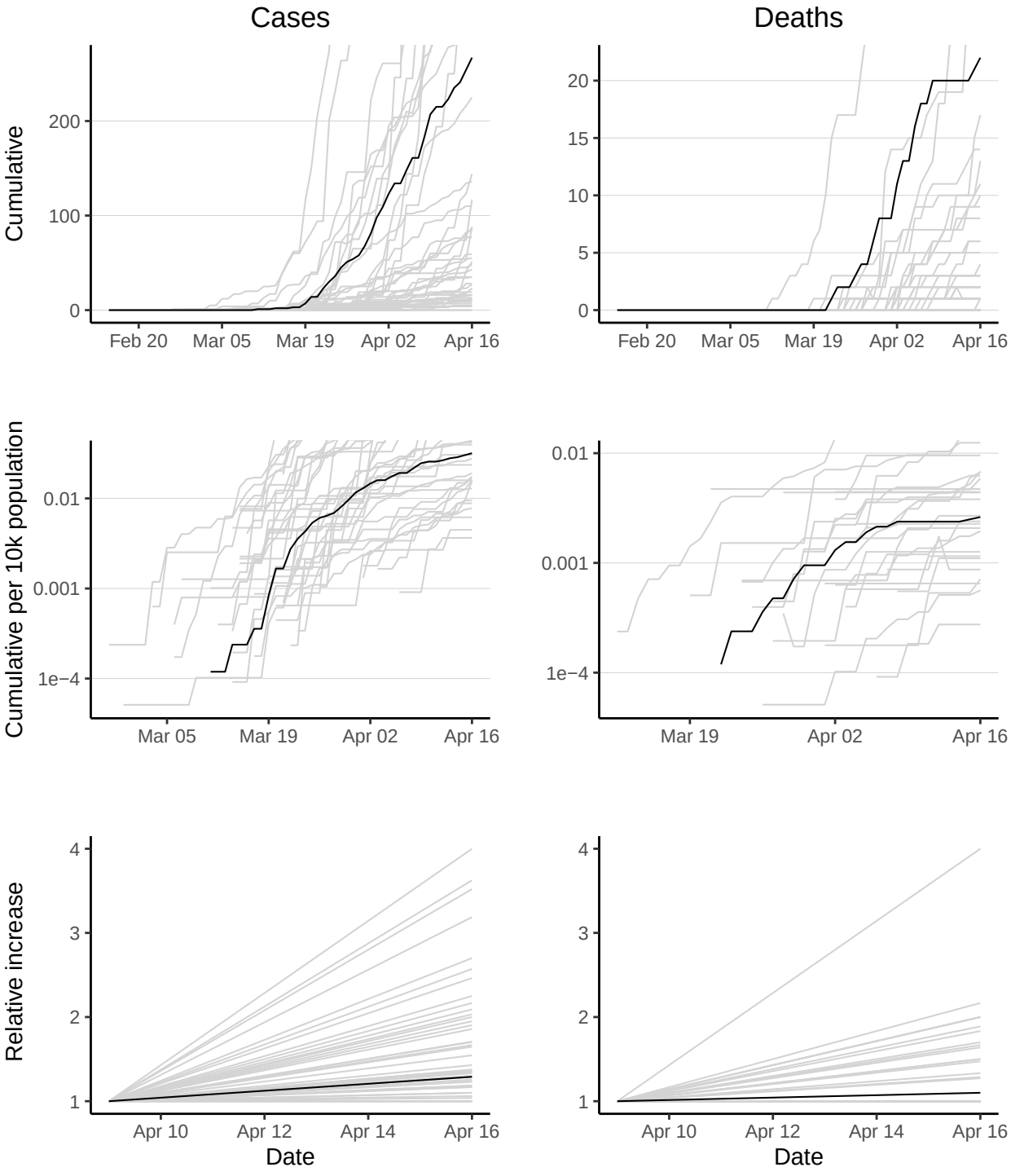
Congo


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

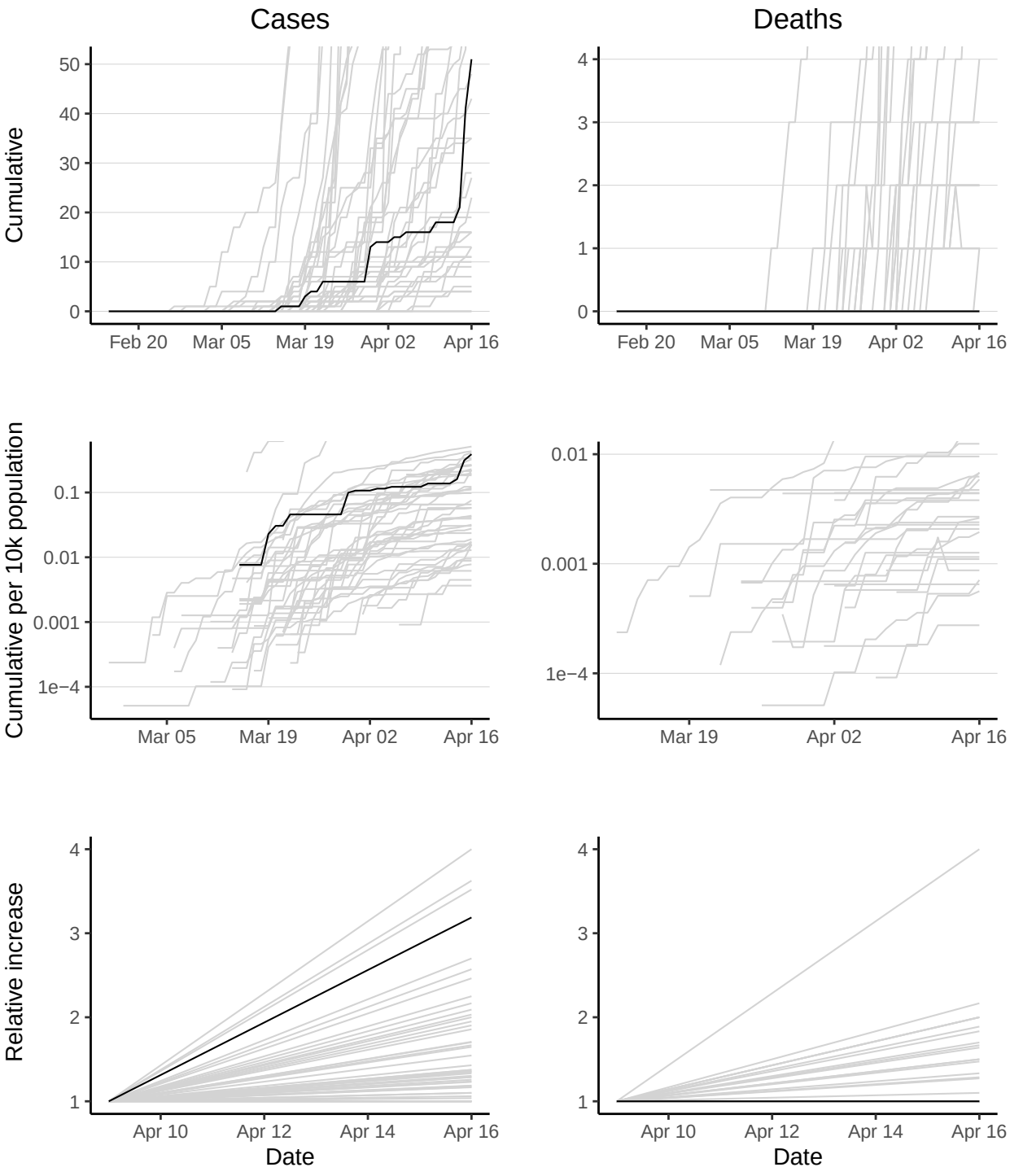
Cote d'Ivoire



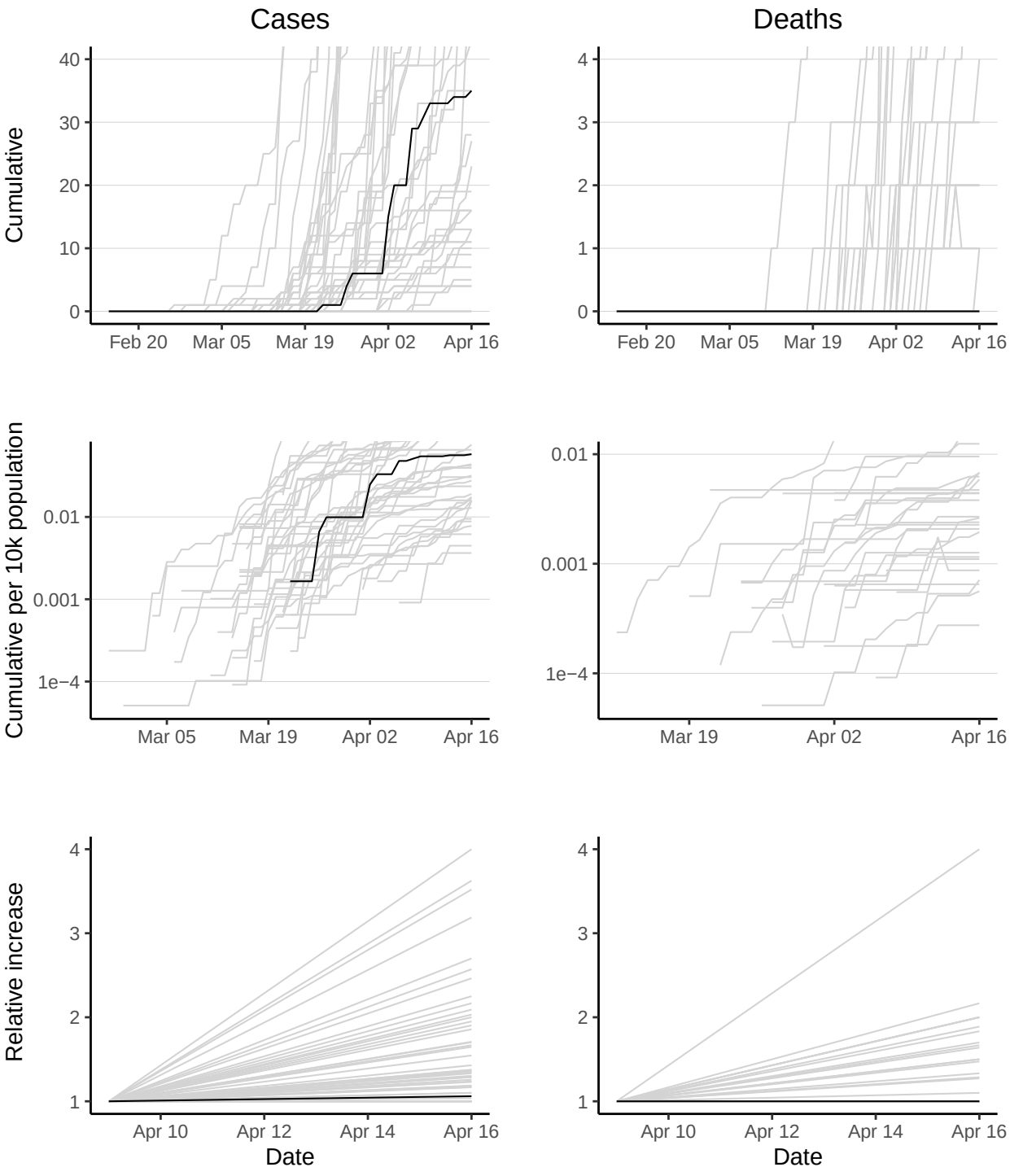
Democratic Republic of the Congo



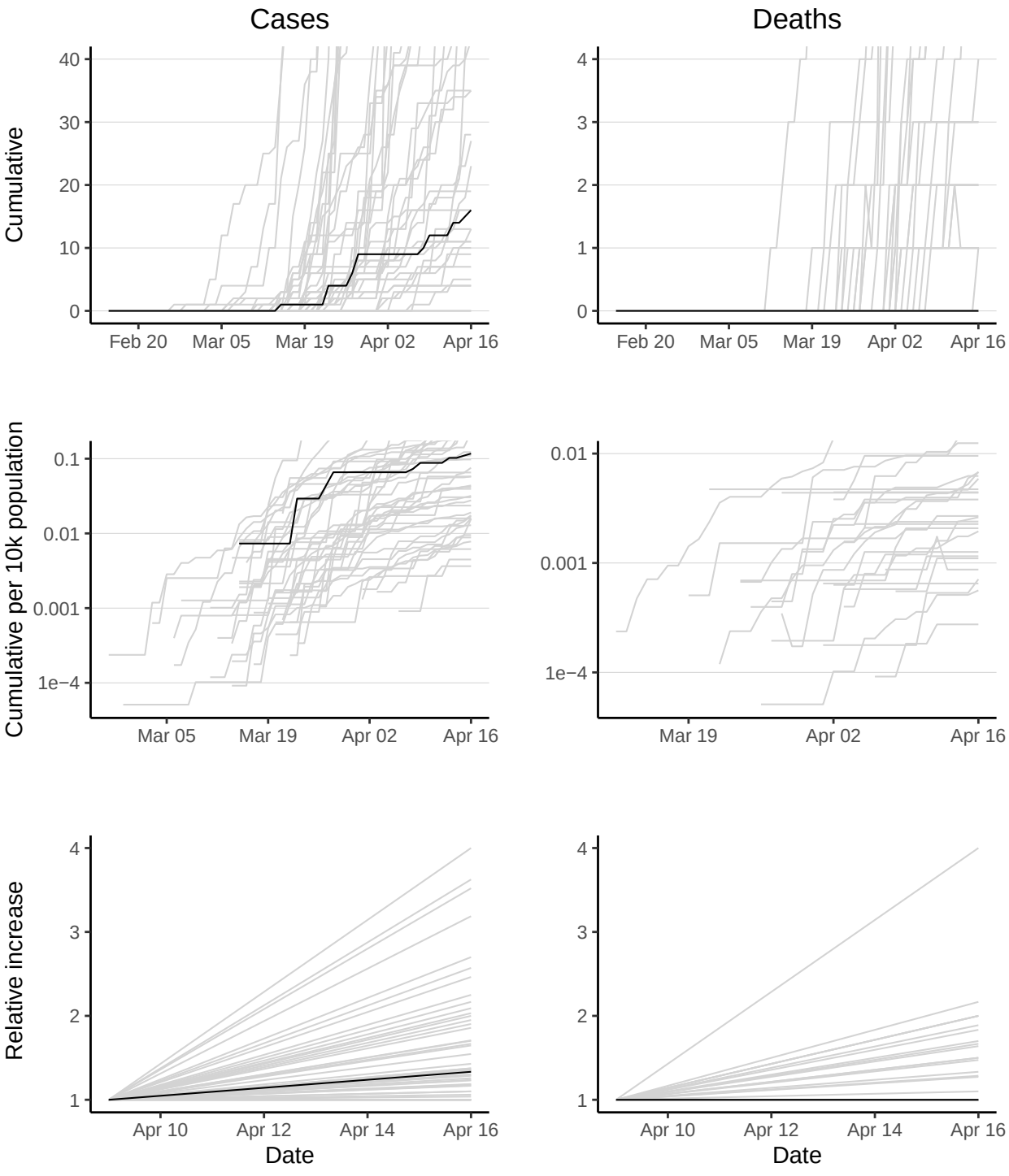
Equatorial Guinea



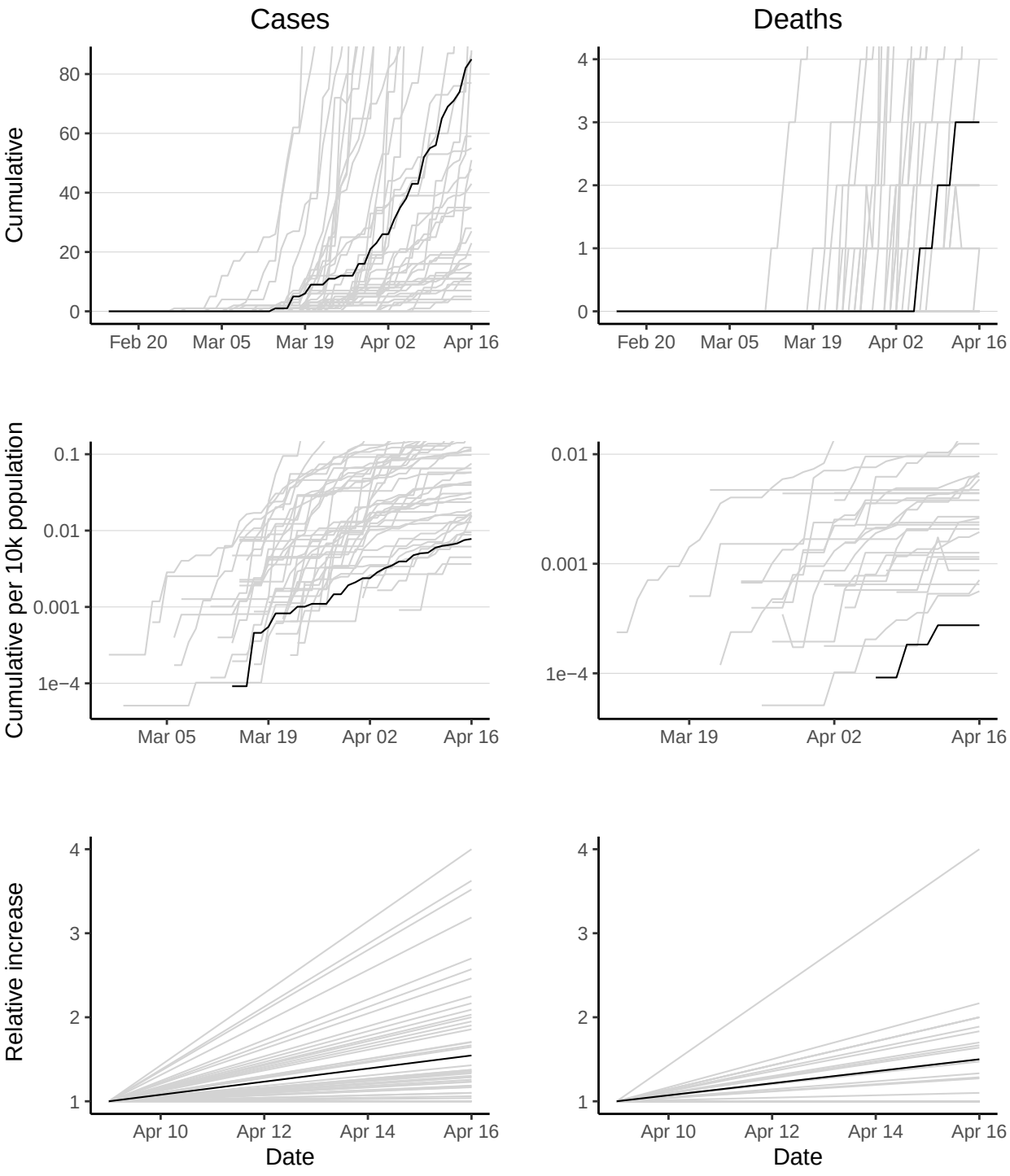
Eritrea


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

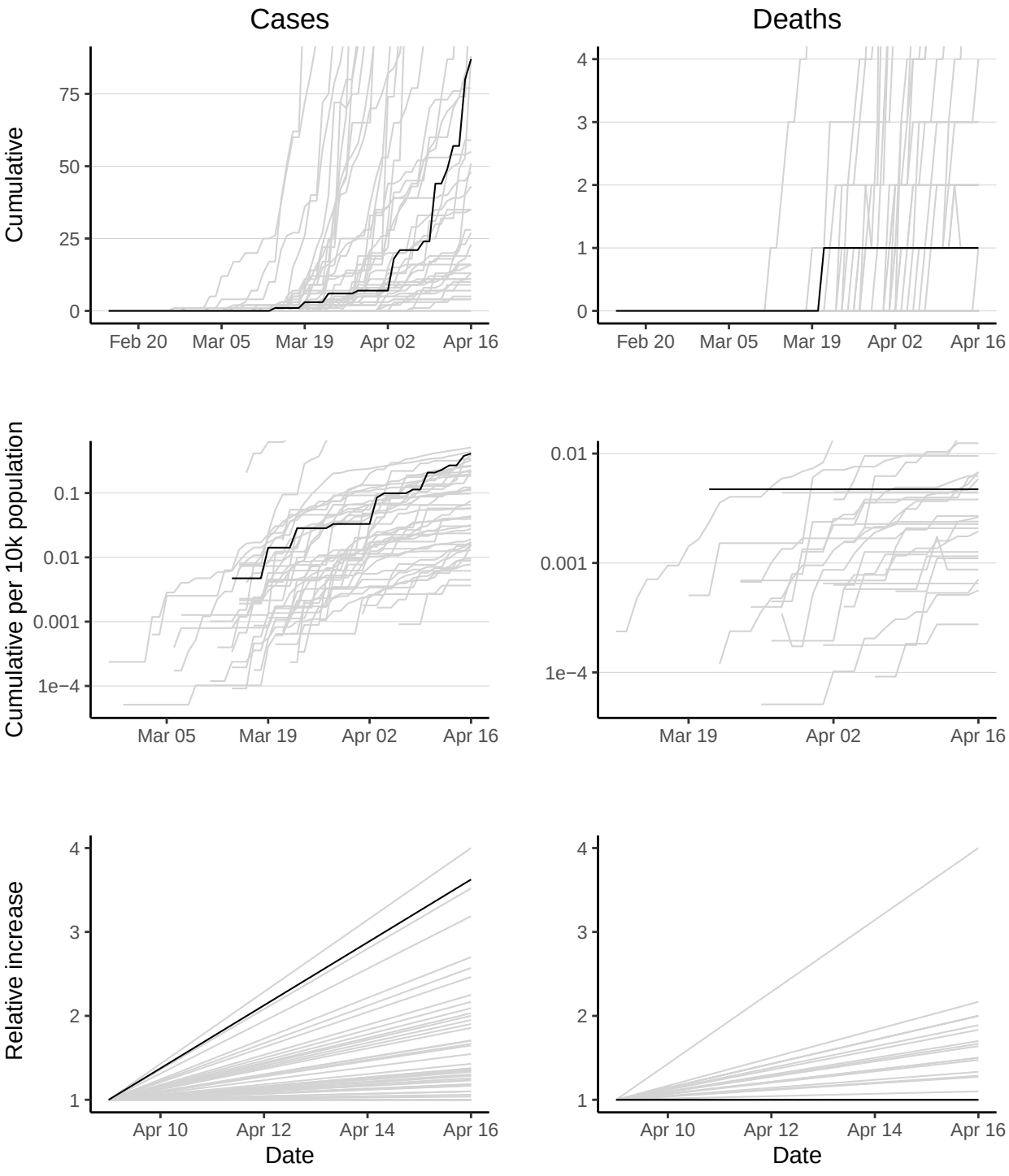
Eswatini


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

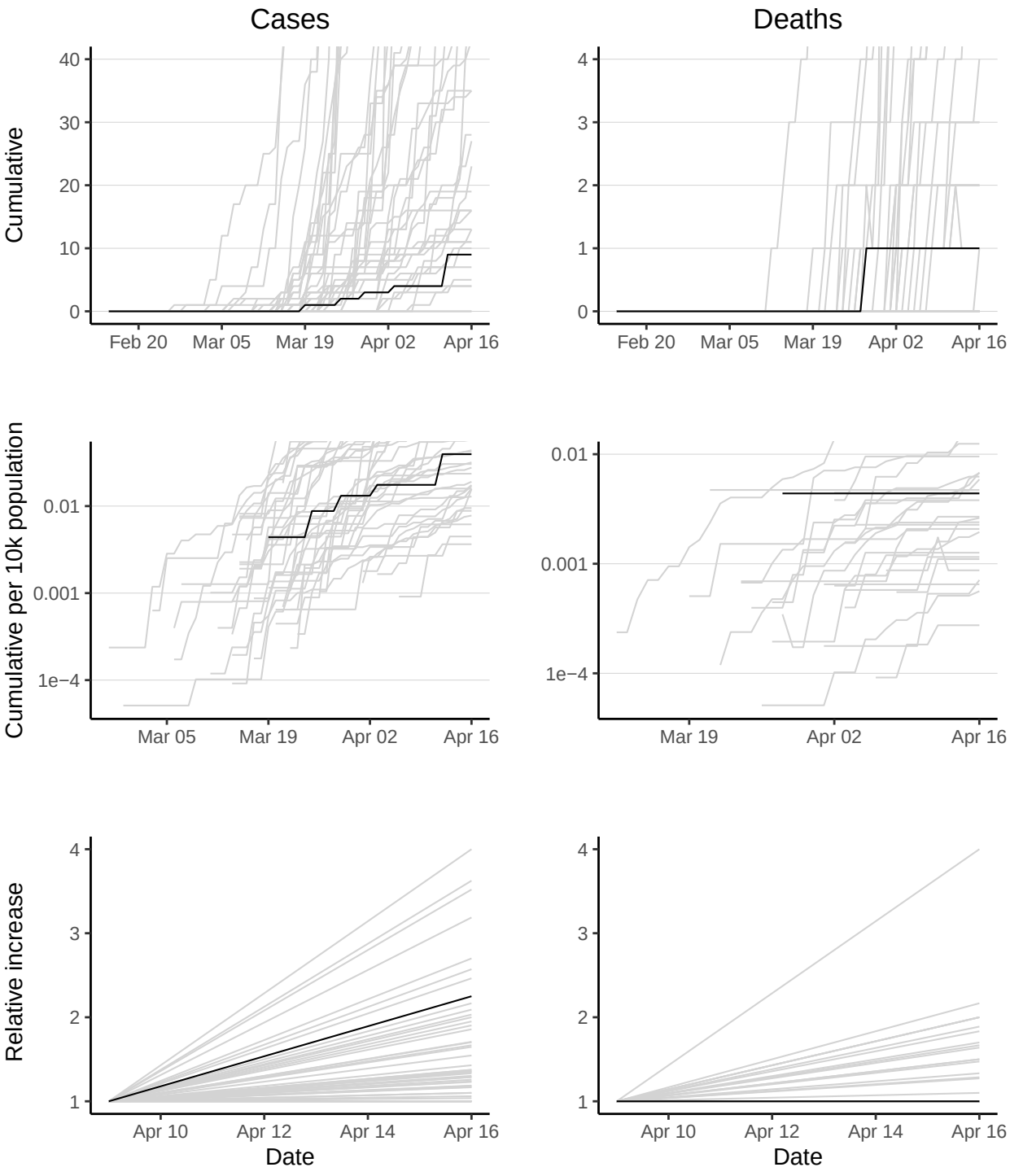
Ethiopia


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

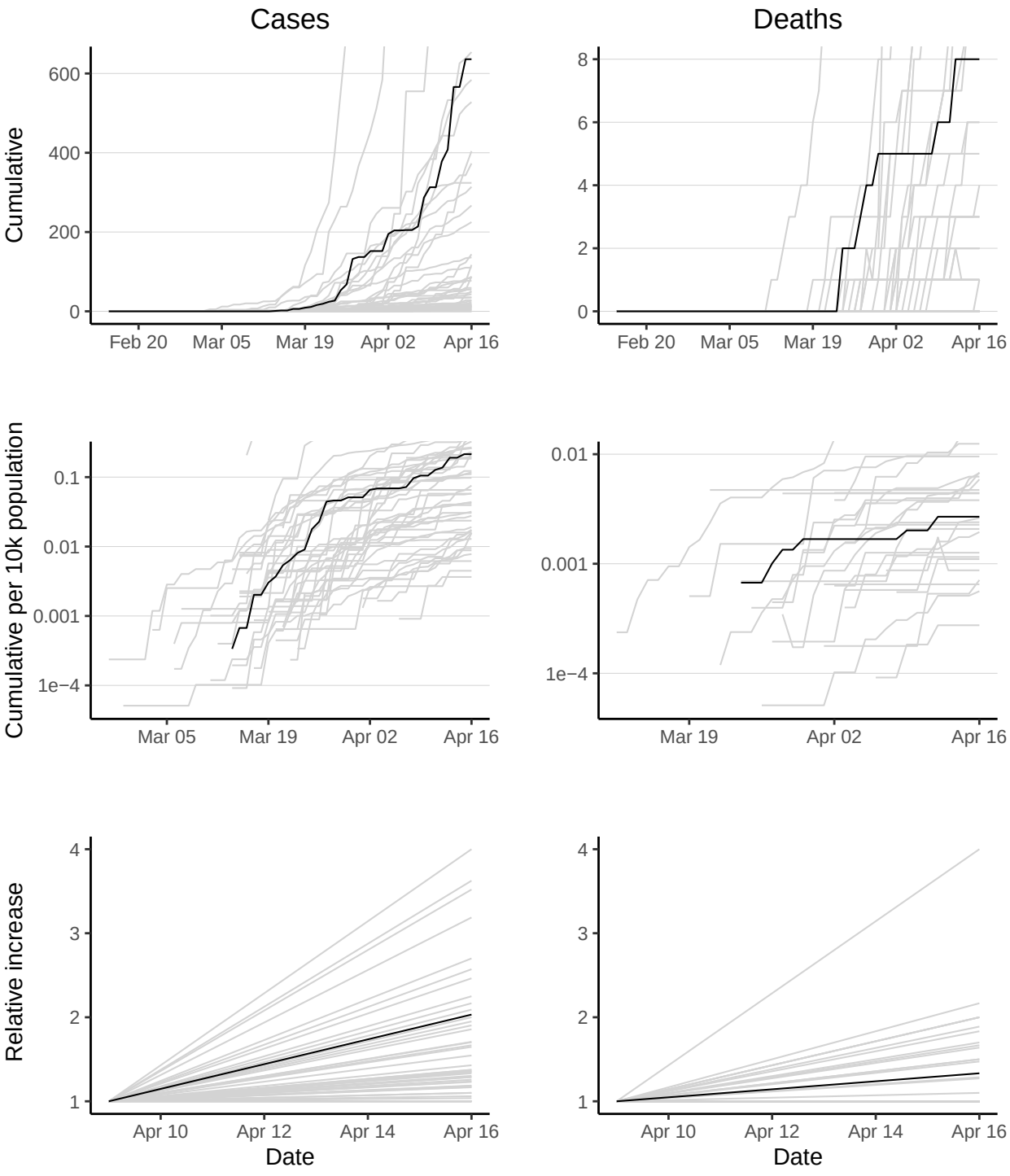
Gabon


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

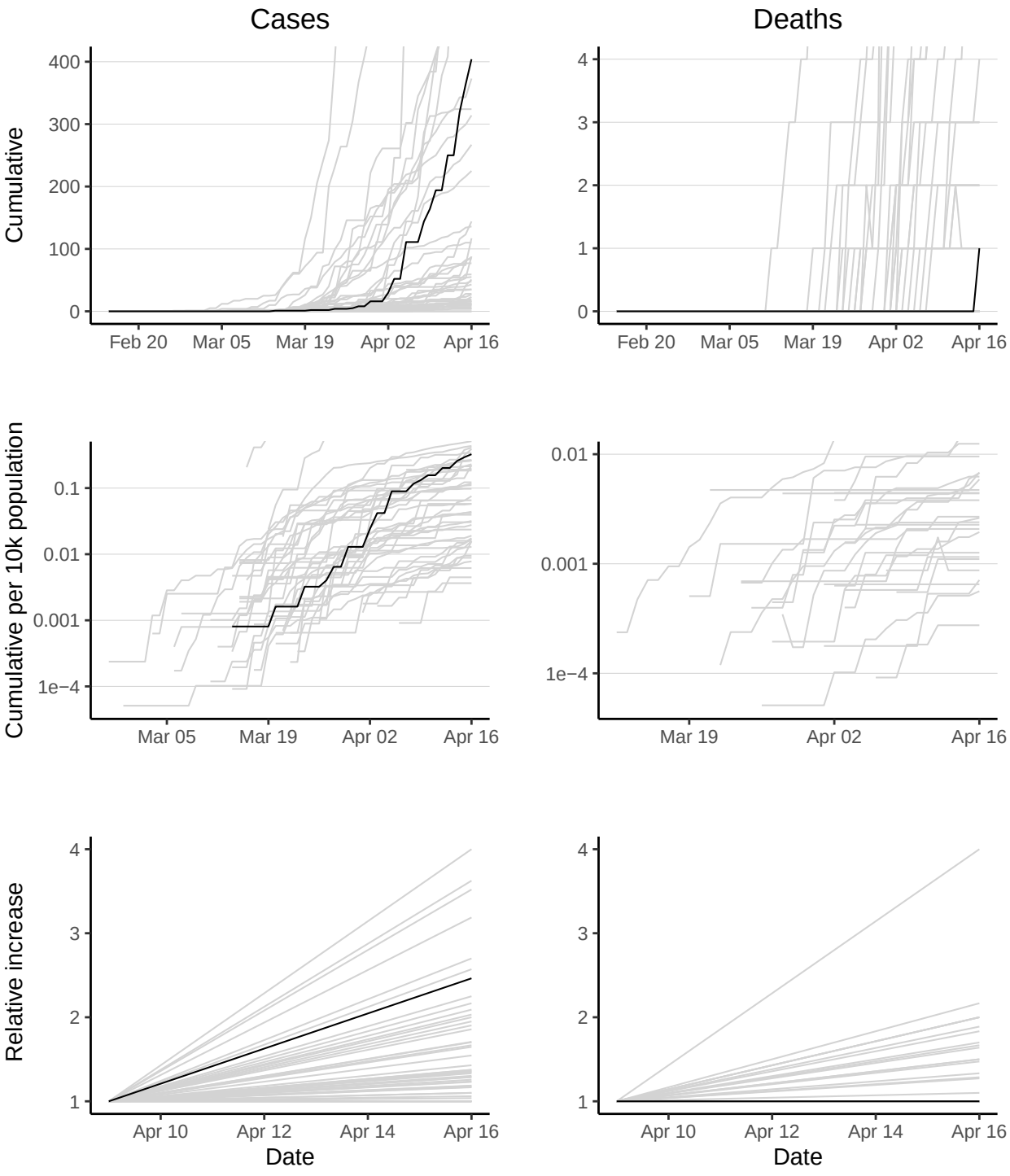
Gambia


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16
0
10
20
30
40
1
2
3
4
0.01
0.001
1e−4

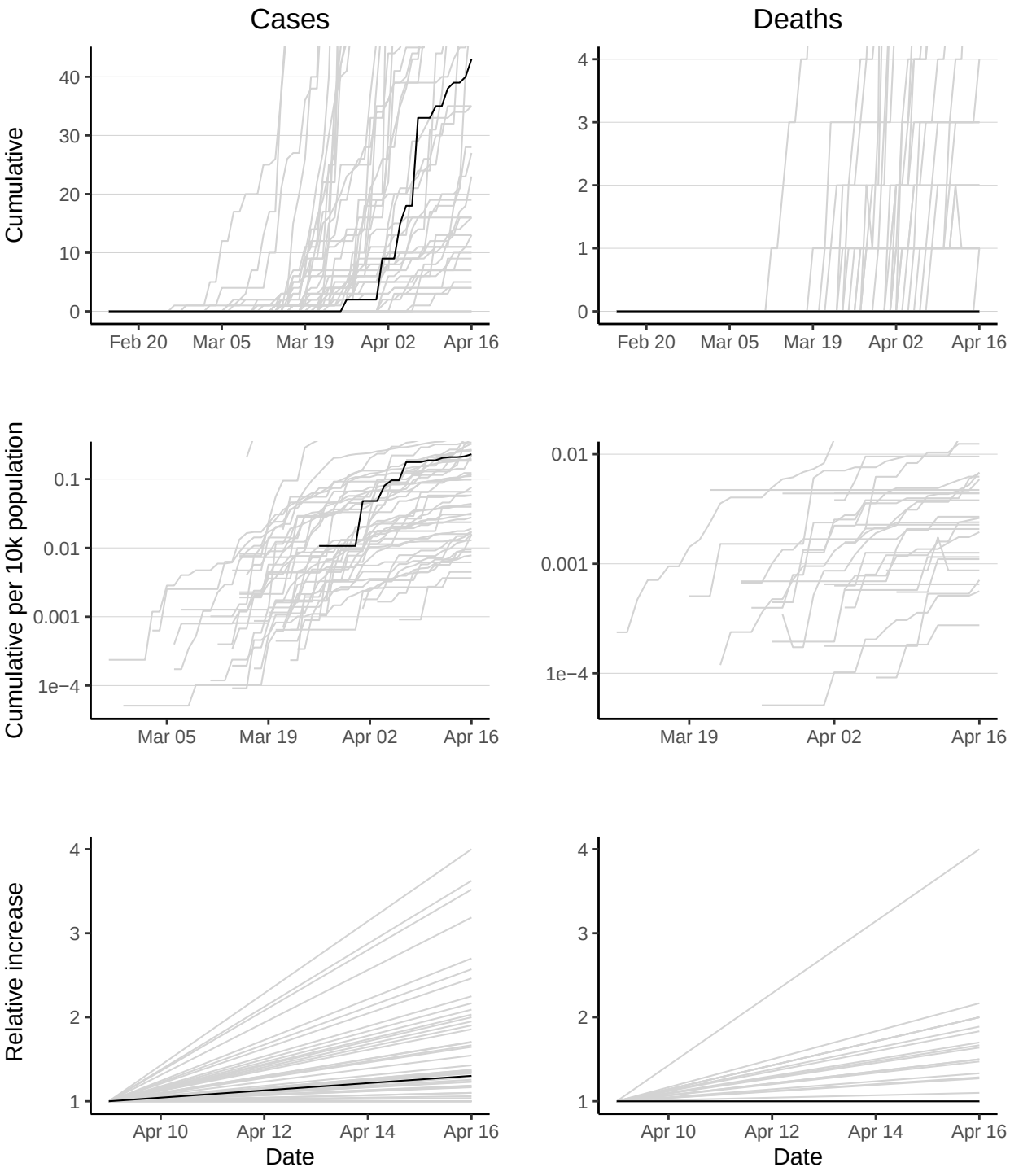
Ghana


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

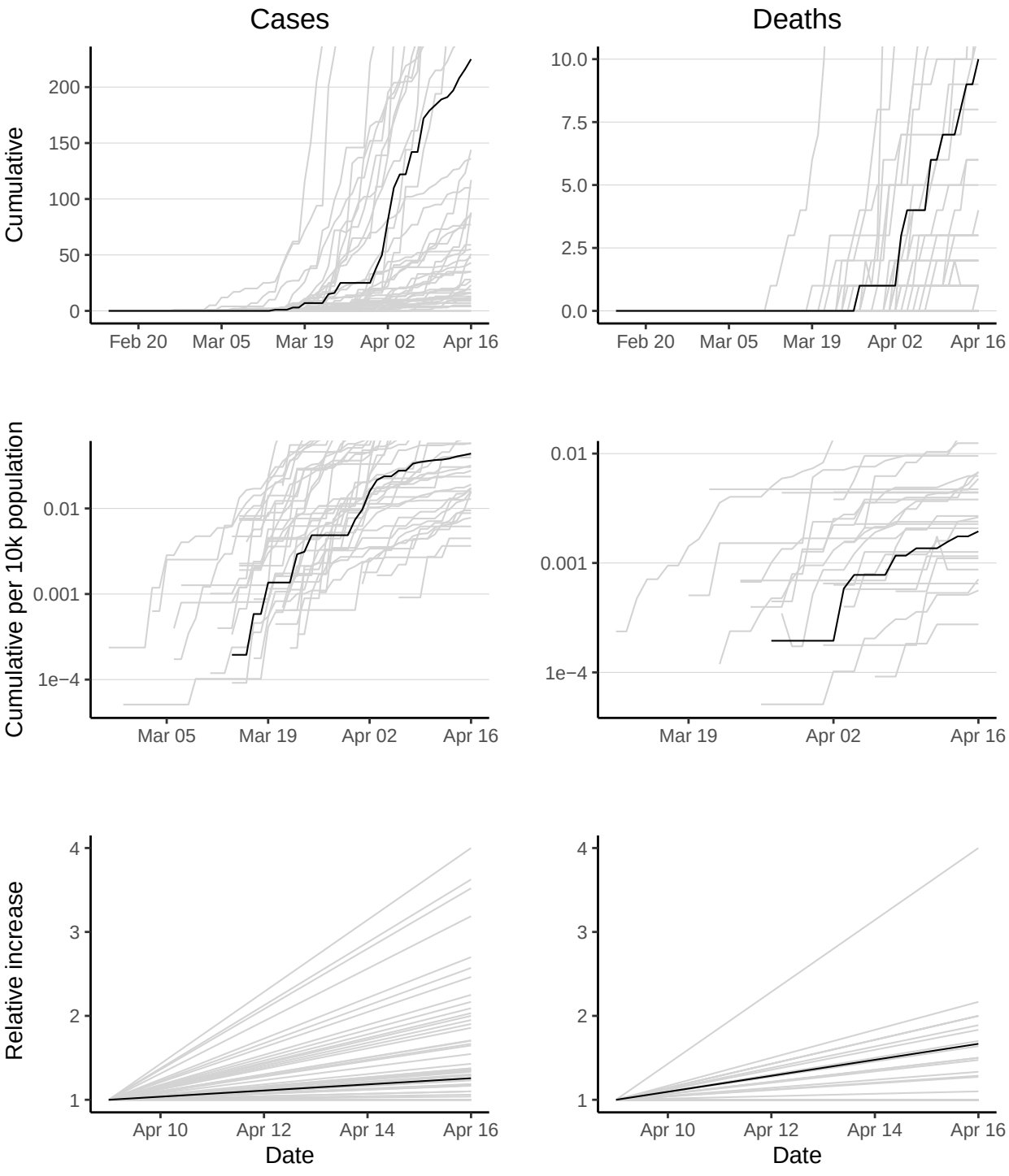
Guinea


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16
0
100
200
300
400
1
2
3
4
0.001
0.01
0.1
1e−4

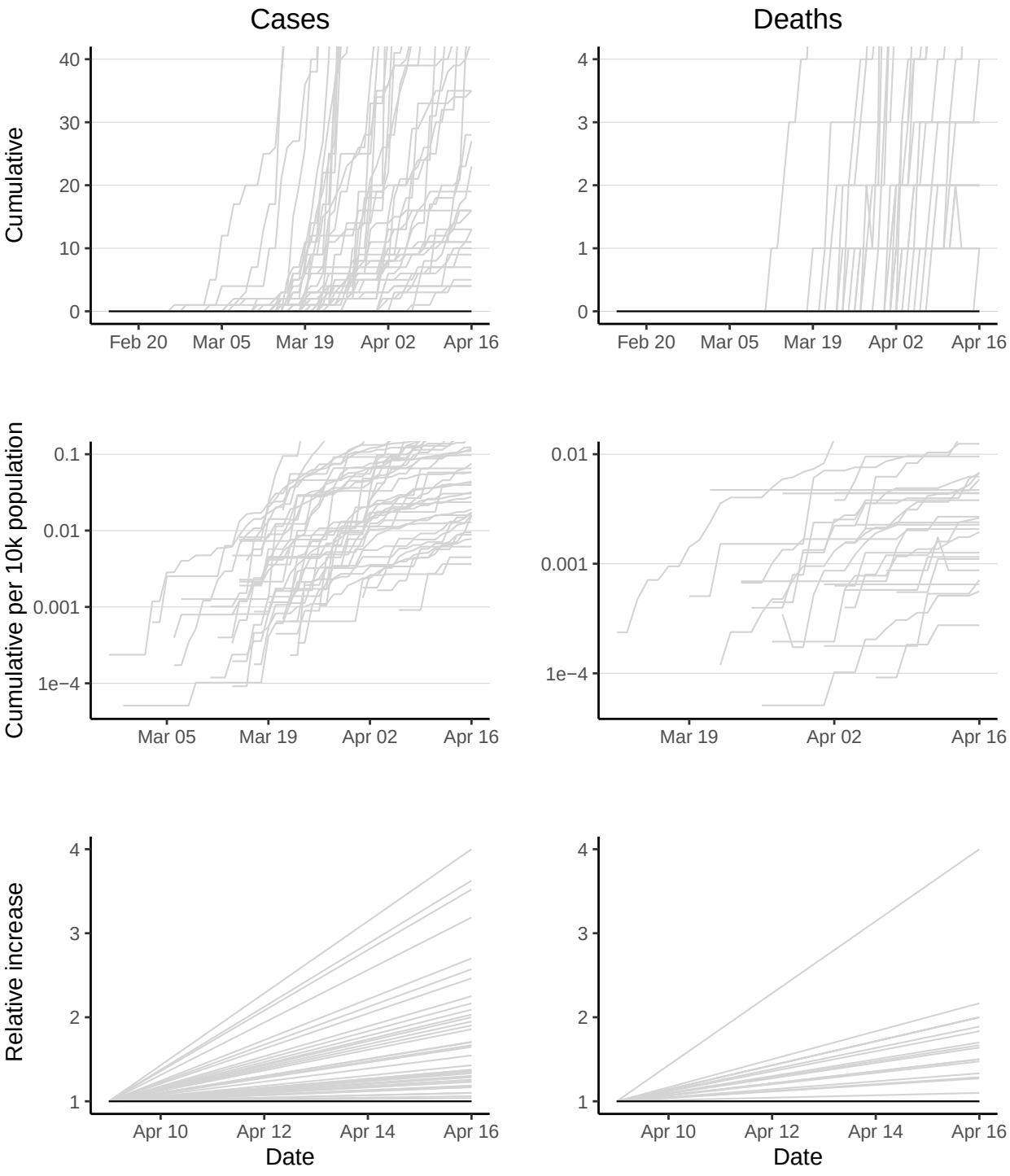
Guinea-Bissau



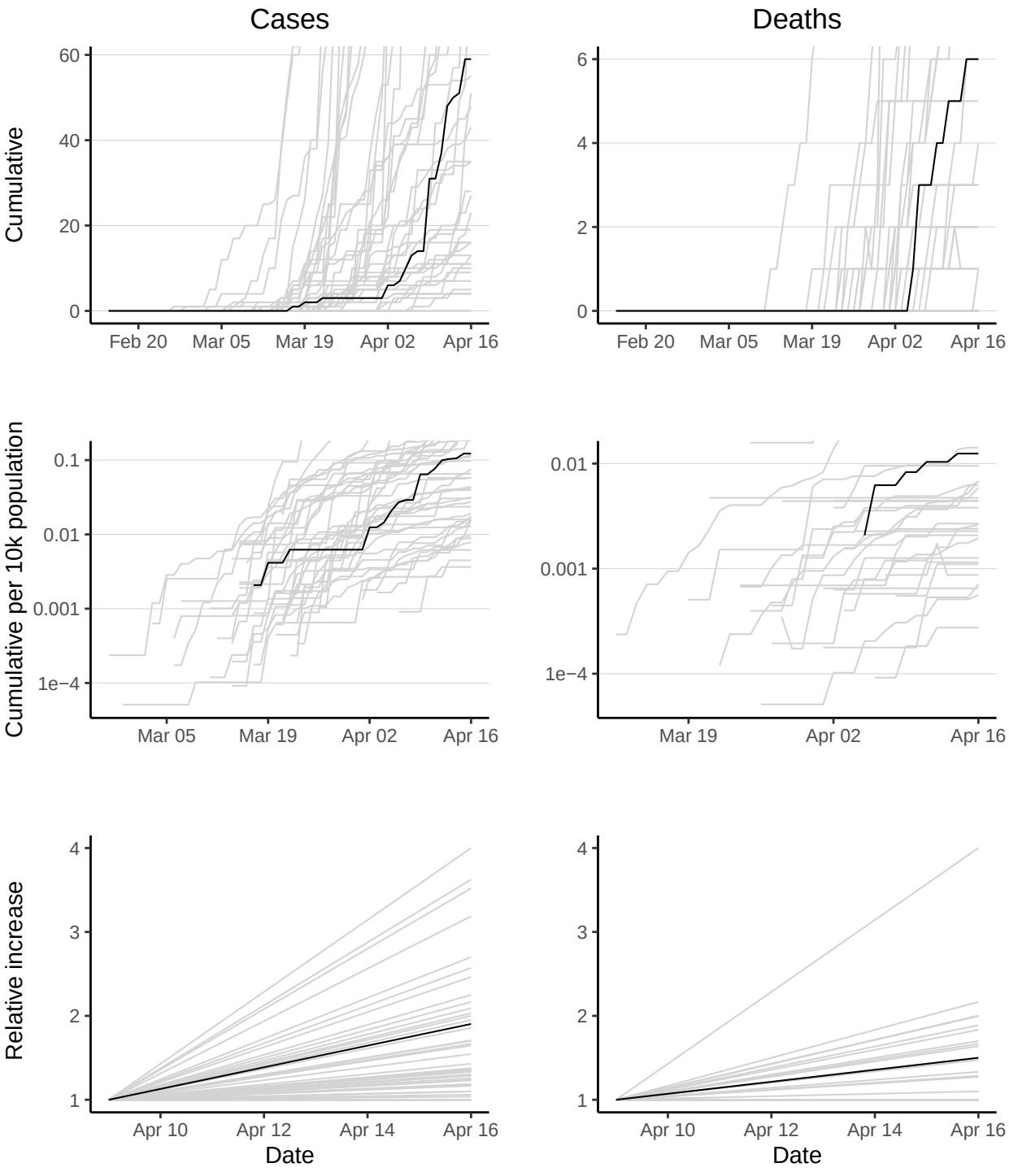
Kenya


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 16
Apr 10
Apr 12
Apr 14

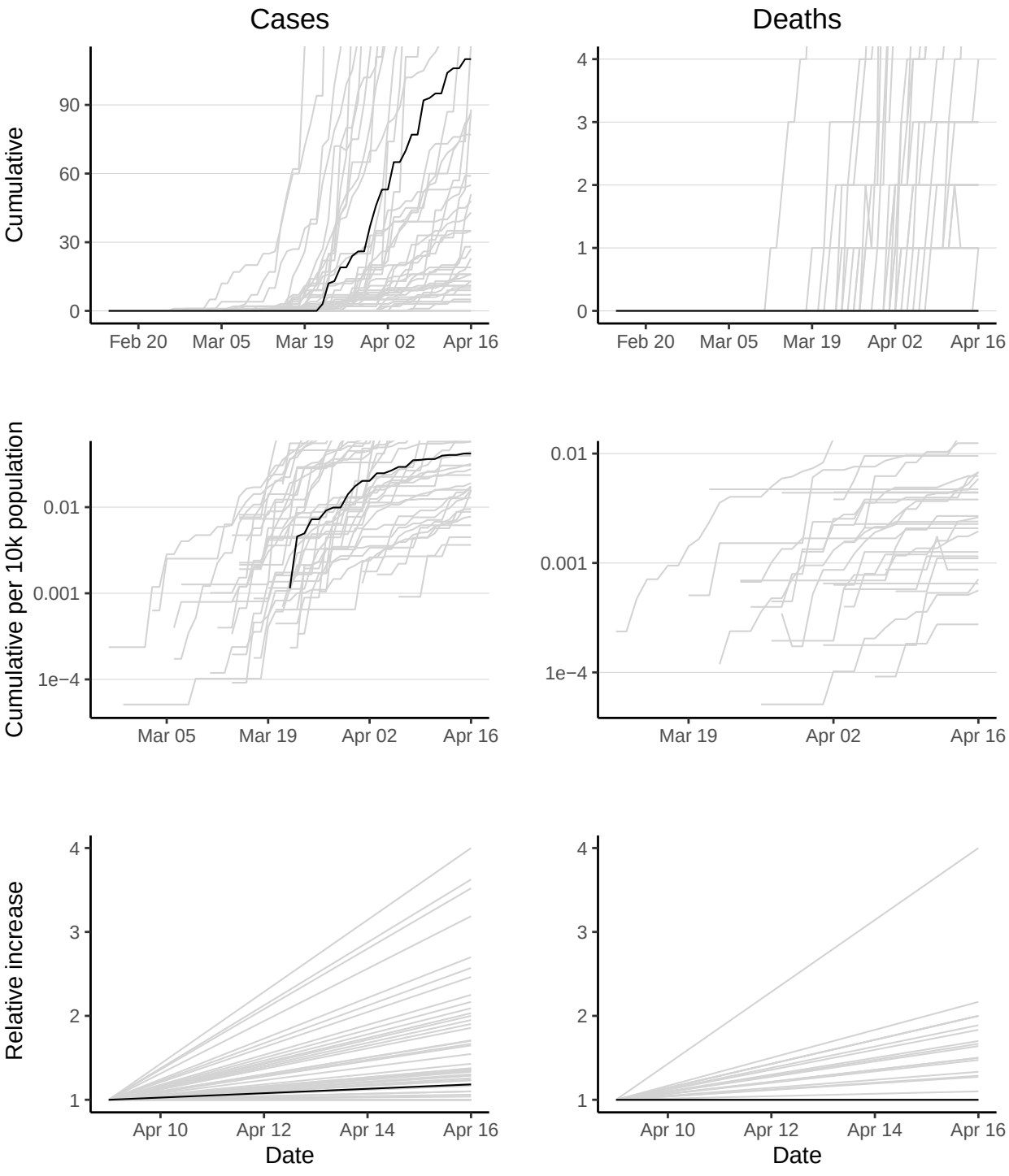
Lesotho


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

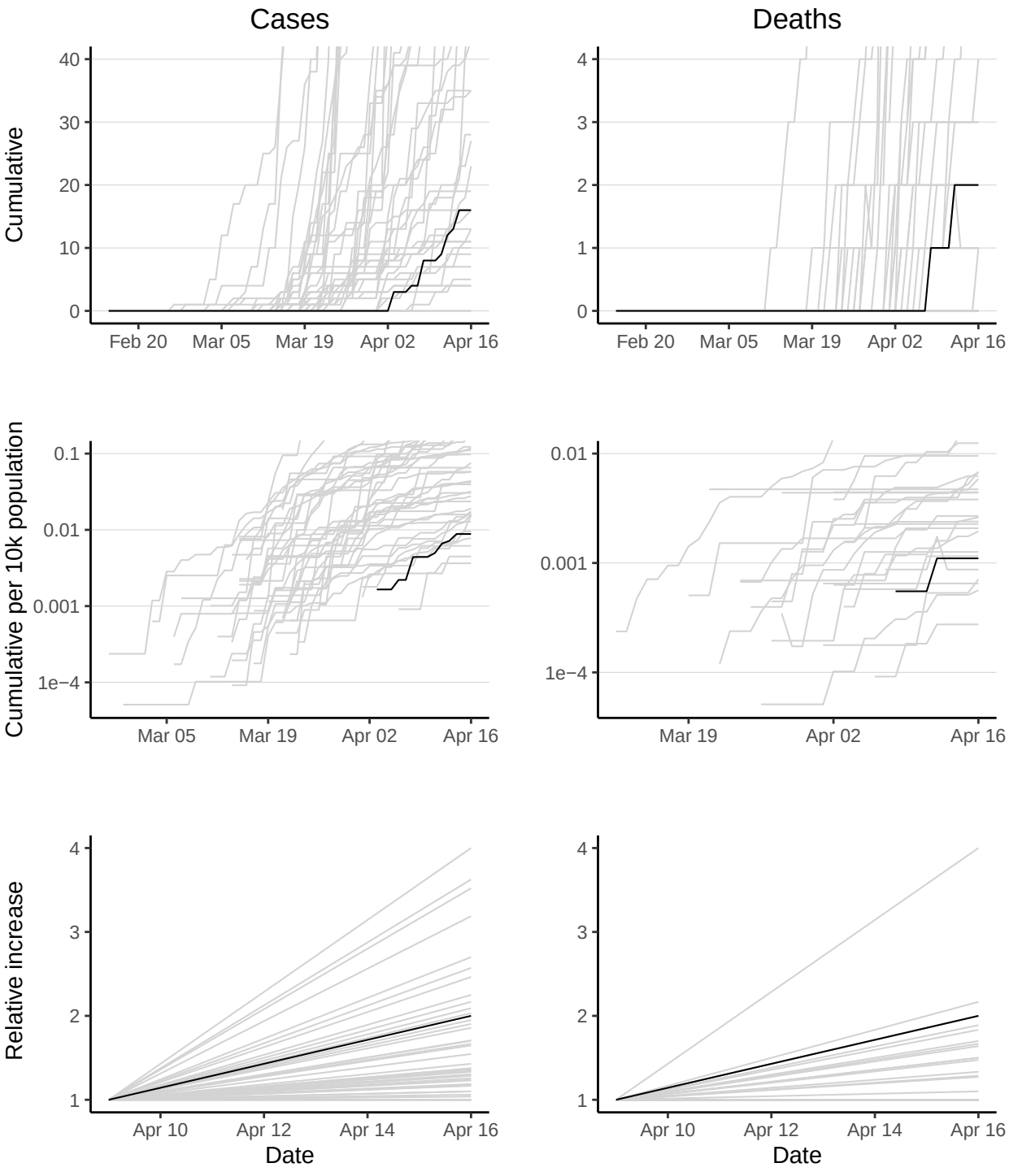
Liberia


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

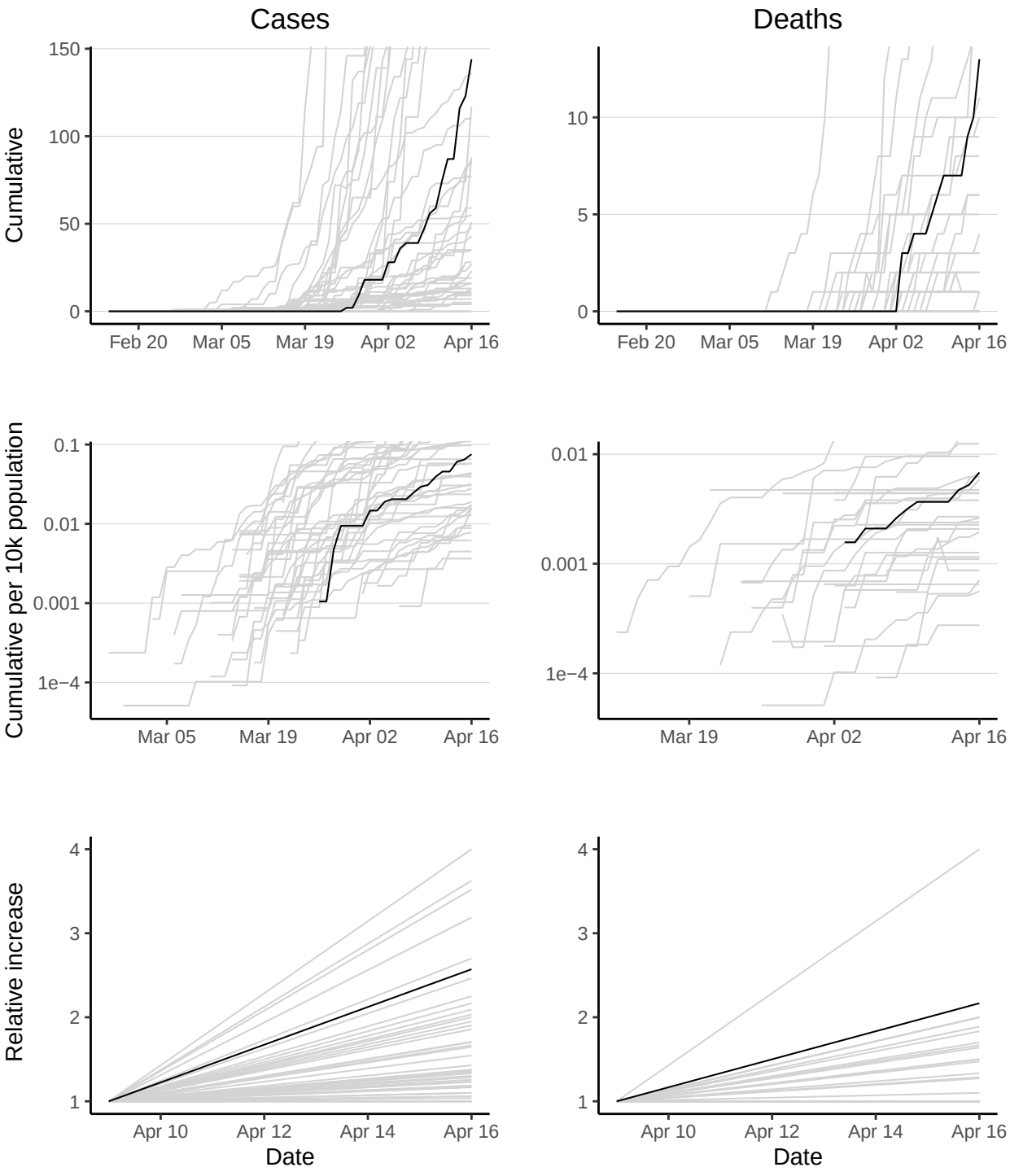
Madagascar


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16
0
30
60
90
1
2
3
4
0.01
0.001
1e−4

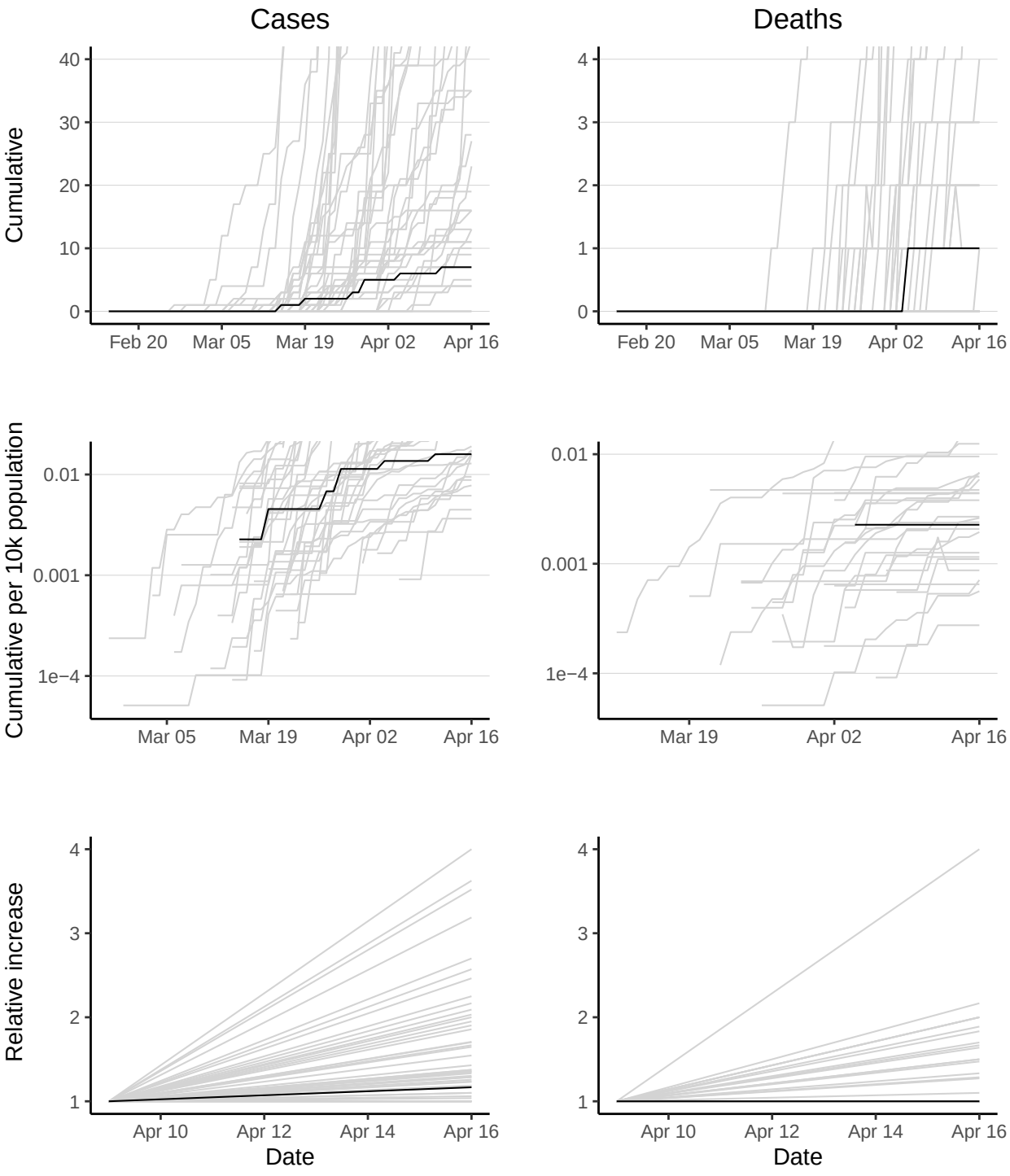
Malawi


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

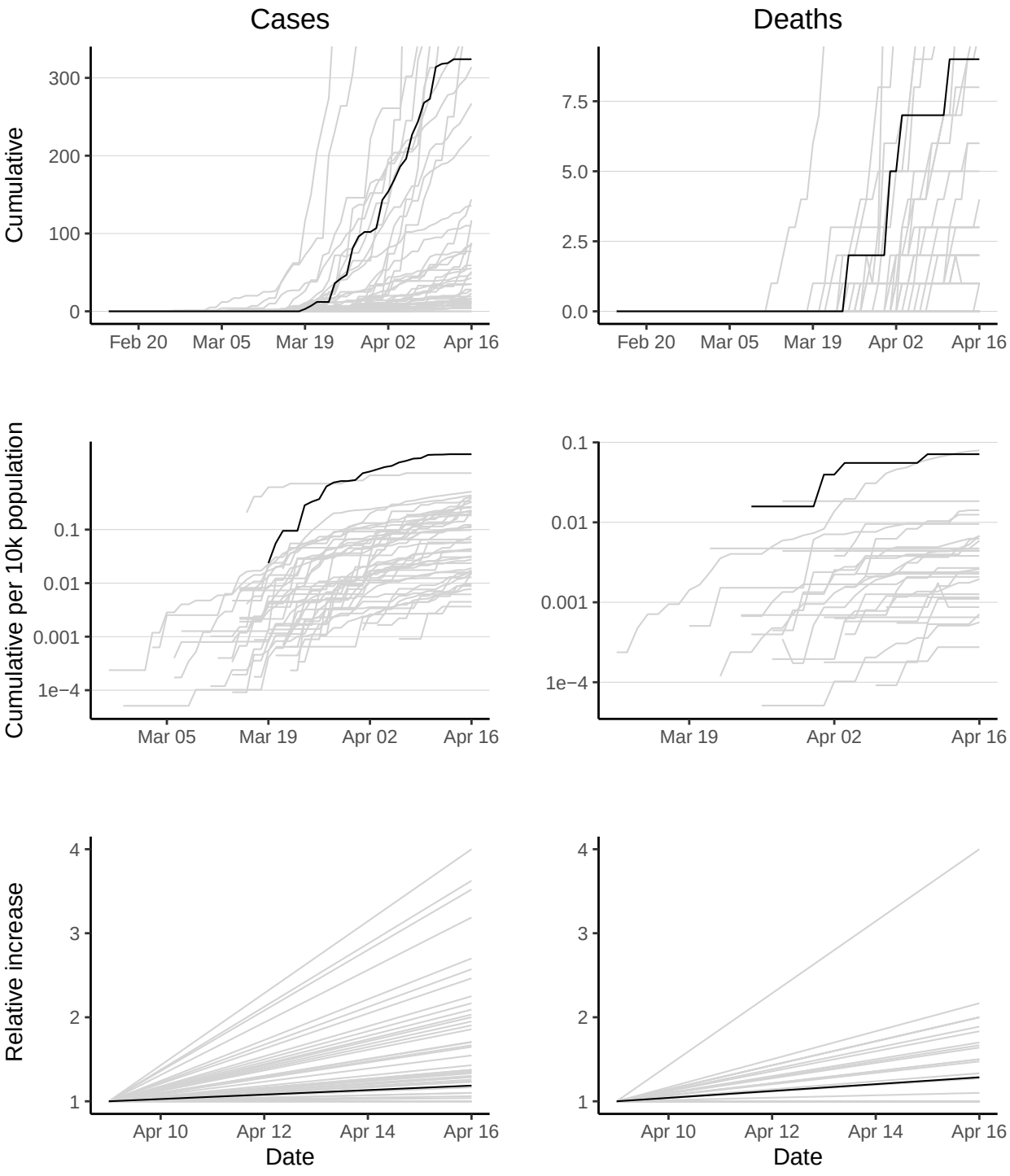
Mali


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
150
100
50
0
10
5
0.1
0.01
0.001
1e−4
4
3
2
1
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

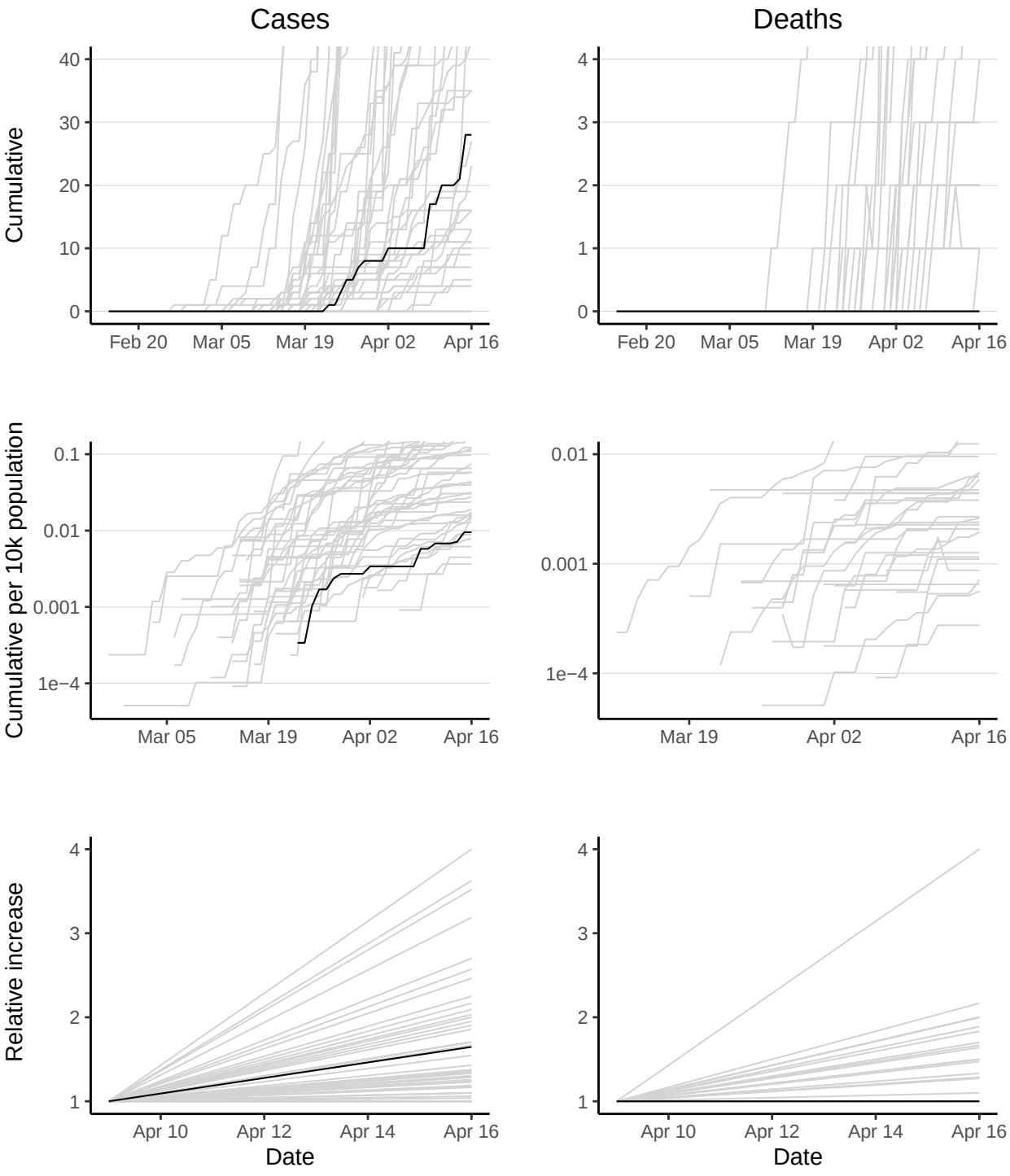
Mauritania


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16
0
10
20
30
40
1
2
3
4
0.01
0.001
1e−4

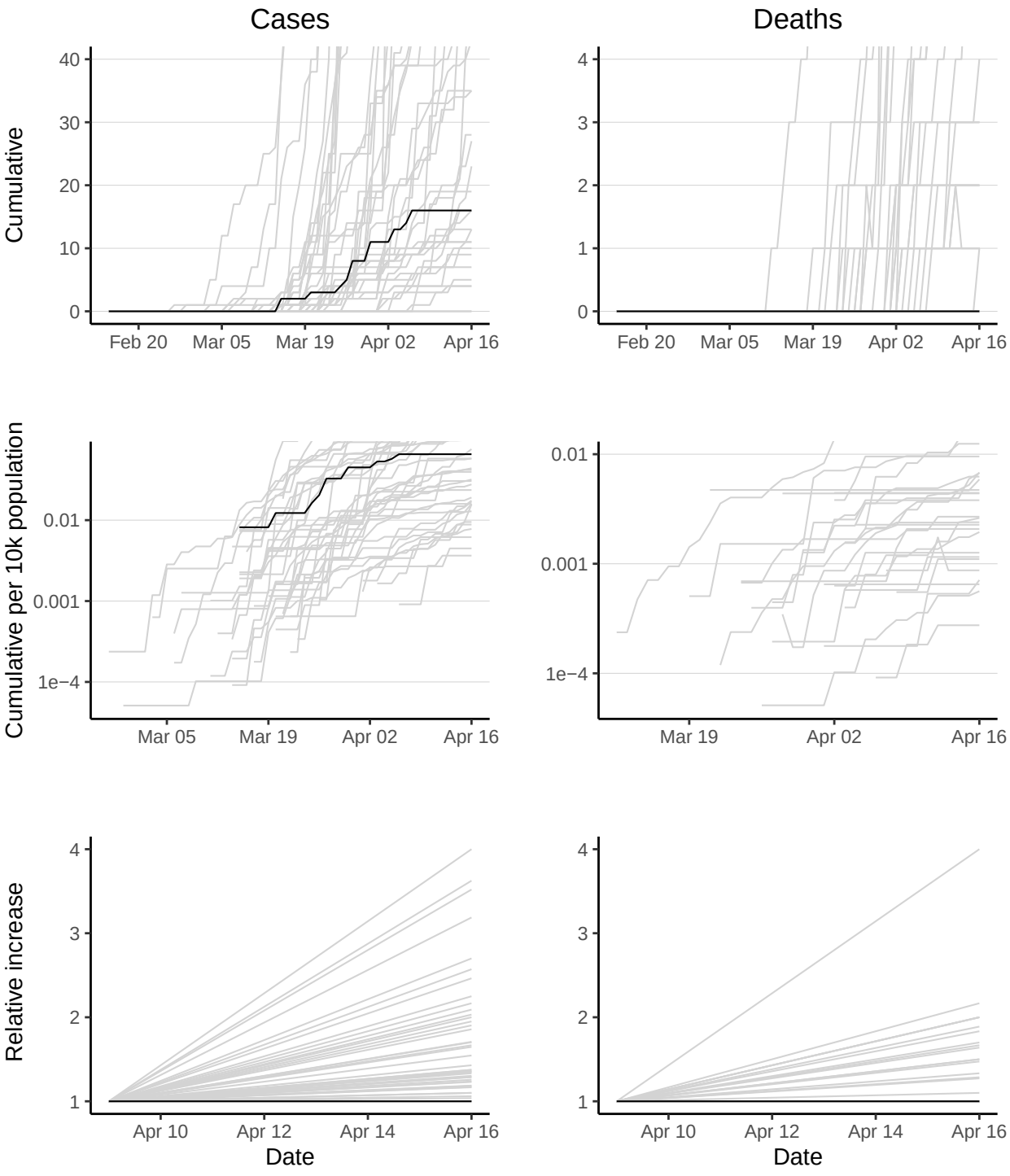
Mauritius


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

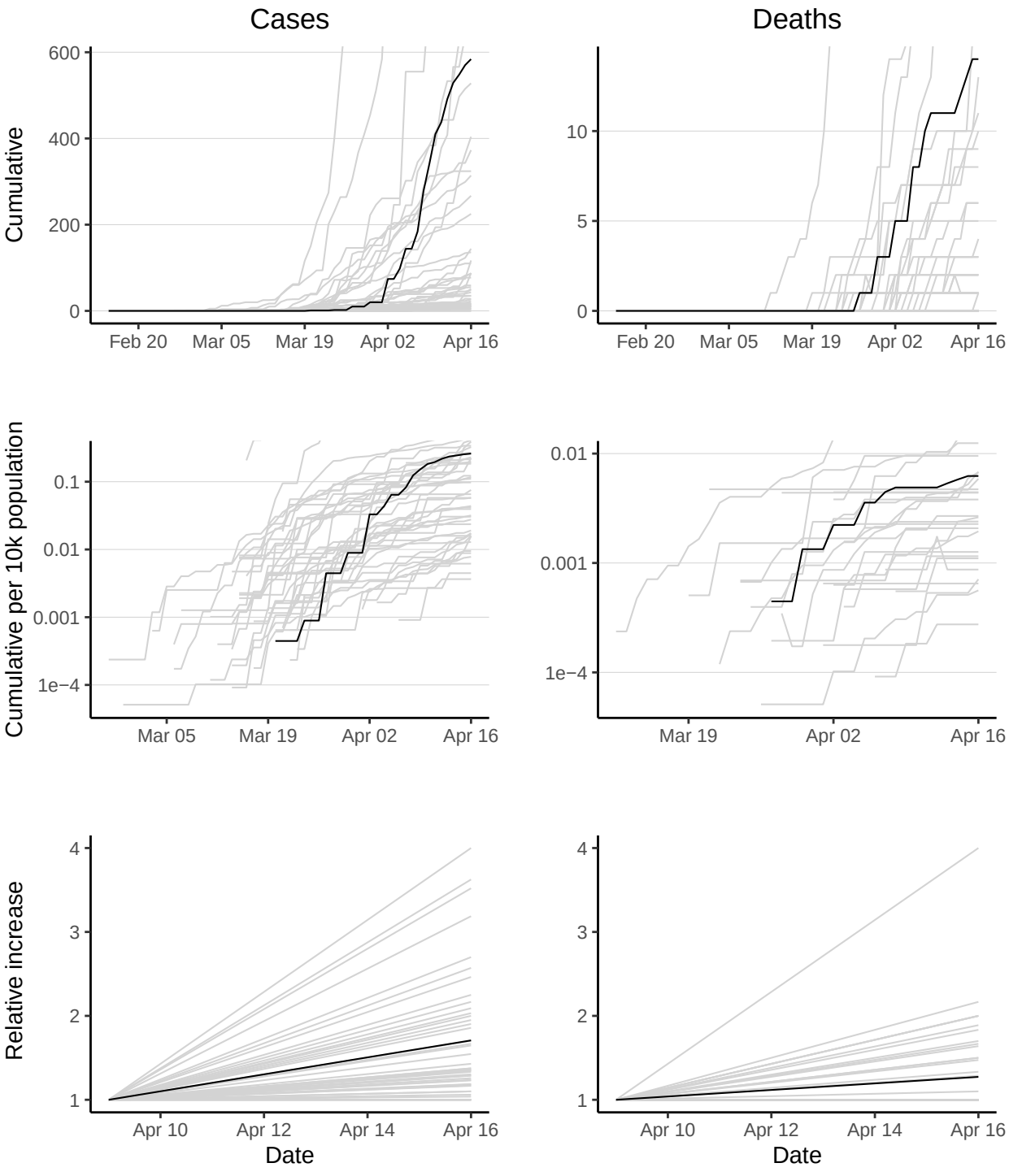
Mozambique


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

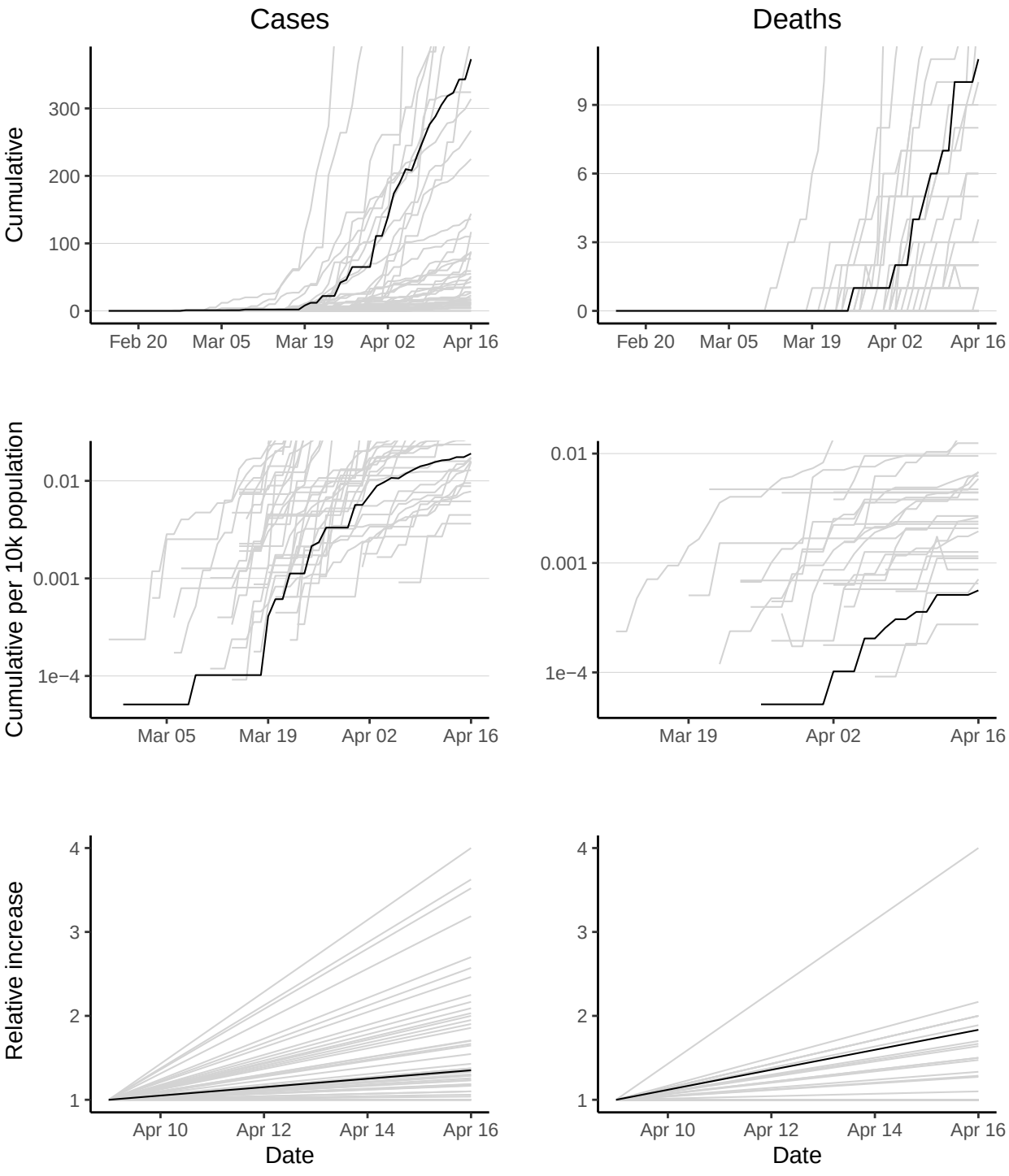
Namibia


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

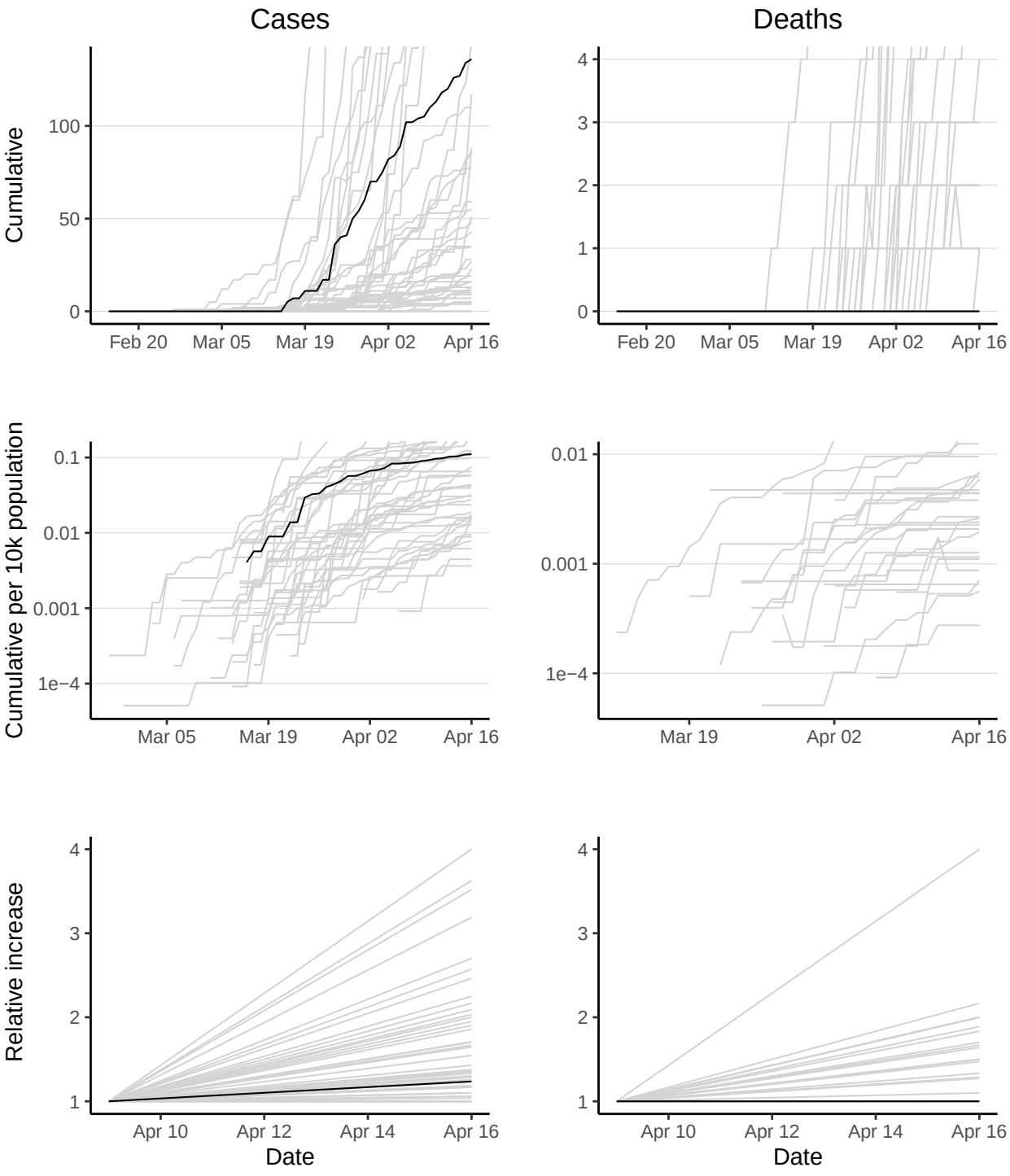
Niger


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
600
400
200
0
10
5
0.1
0.01
0.001
1e−4
4
3
2
1
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

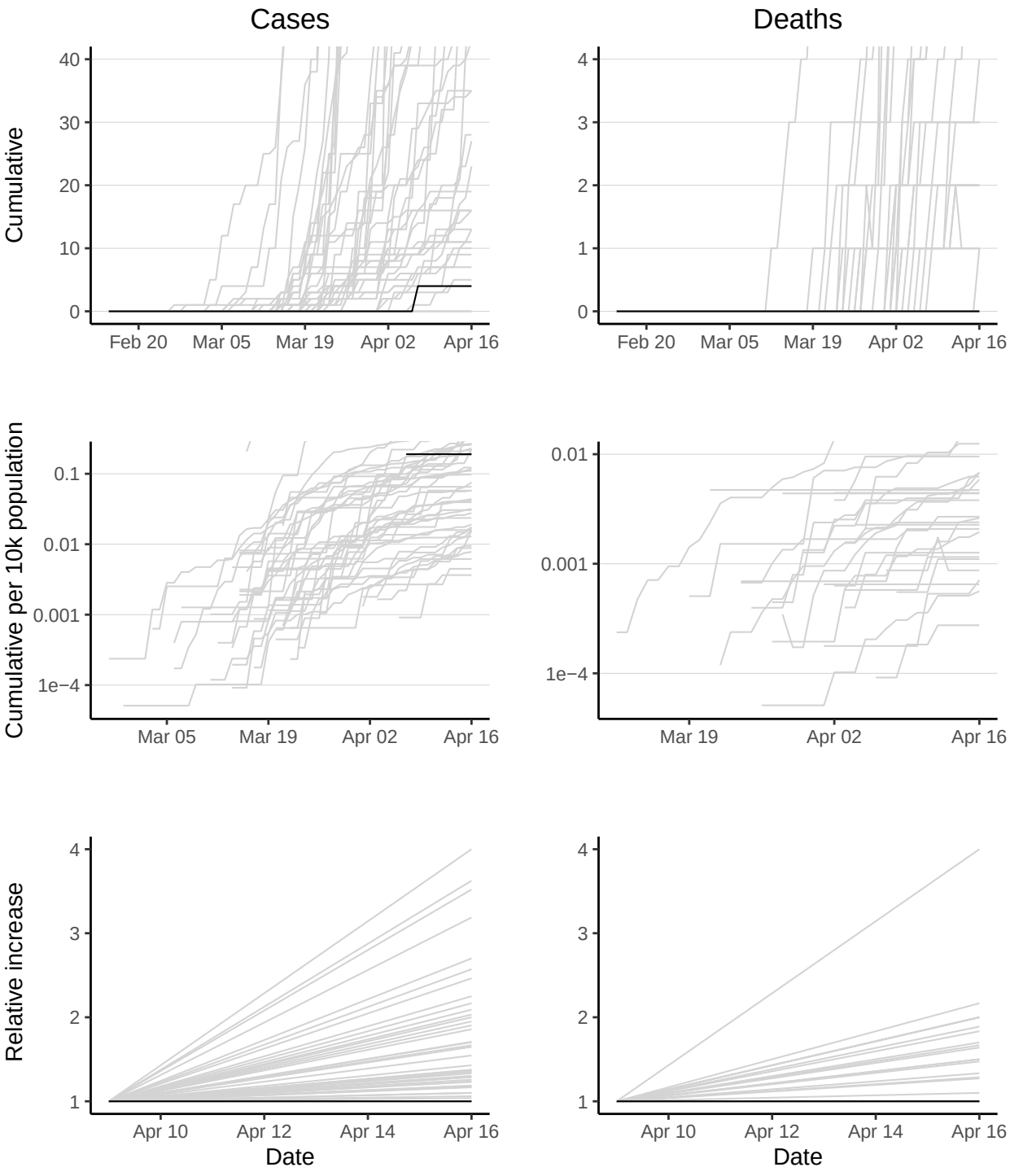
Nigeria


Cases
Deaths
Cumulative
300
200
100
0
9
6
3
0
Feb 20
Mar 05
Mar 19
Apr 02
Apr 16
Cumulative per 10k population
0.01
0.001
1e−4
Mar 05
Mar 19
Apr 02
Apr 16
0.01
0.001
1e−4
Mar 19
Apr 02
Apr 16
Relative increase
4
3
2
1
Apr 10
Apr 12
Apr 14
Apr 16
Date

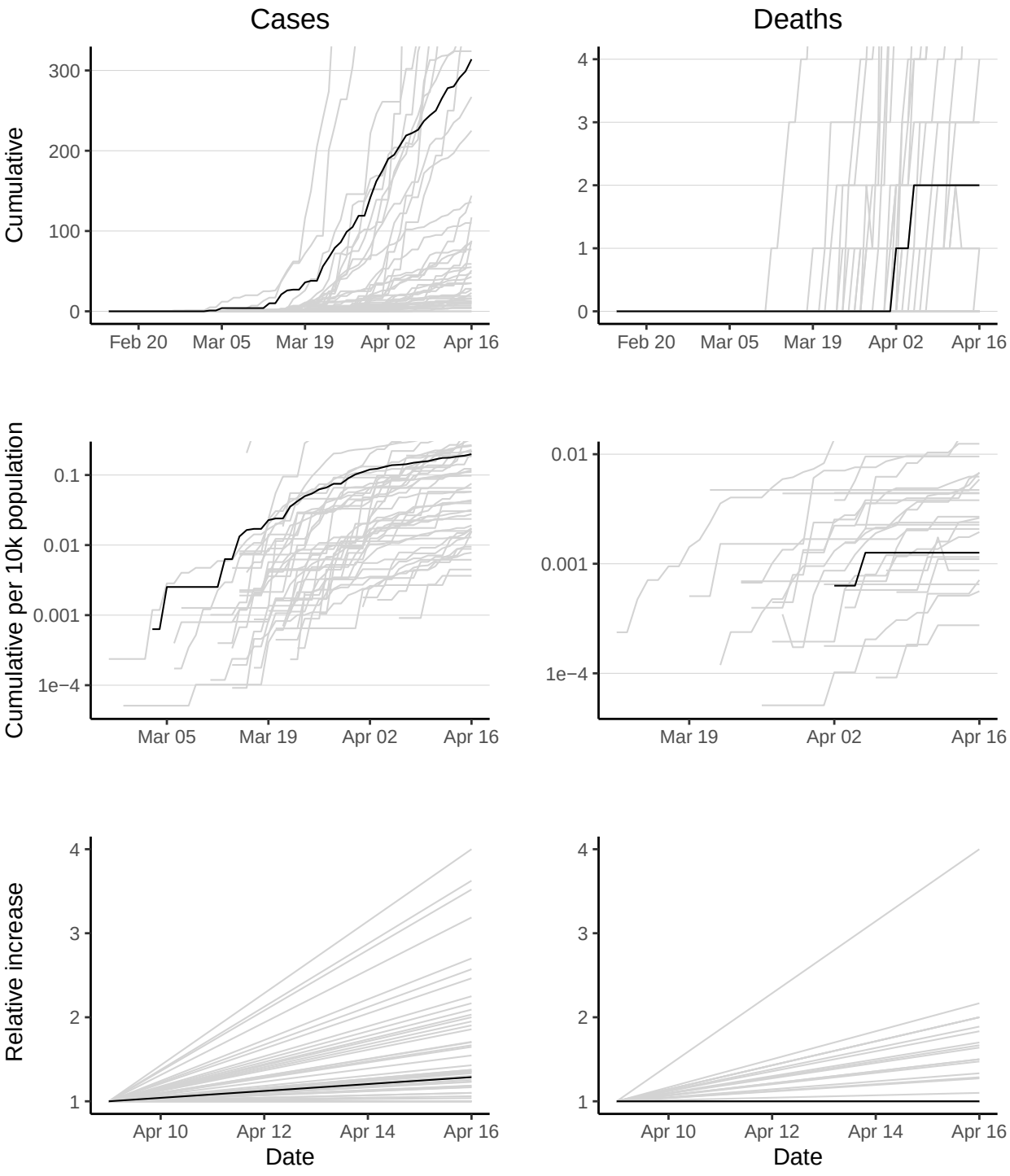
Rwanda


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16
0
50
100
1
2
3
4
0.1
0.01
0.001
1e−4

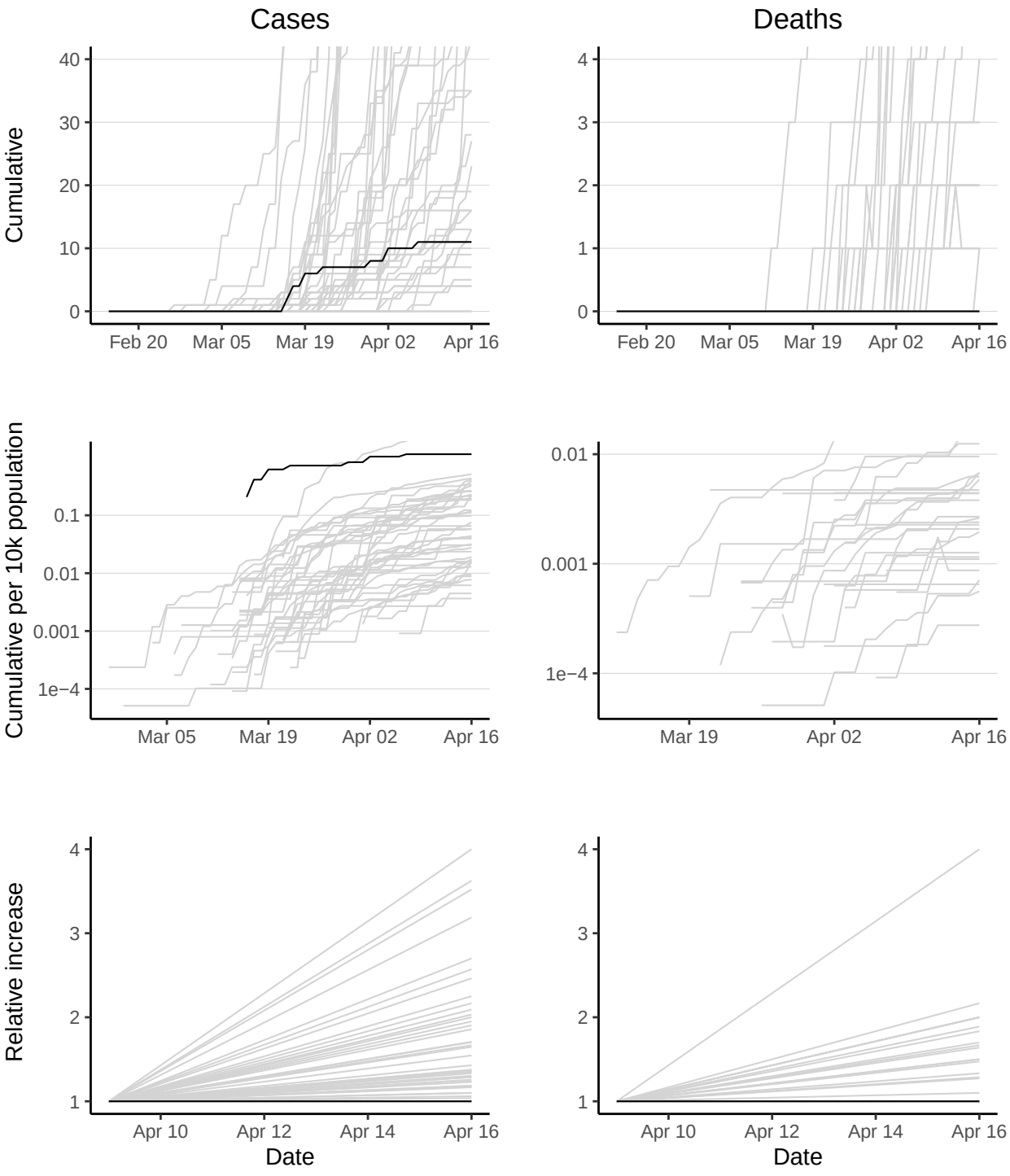
Sao Tome and Principe



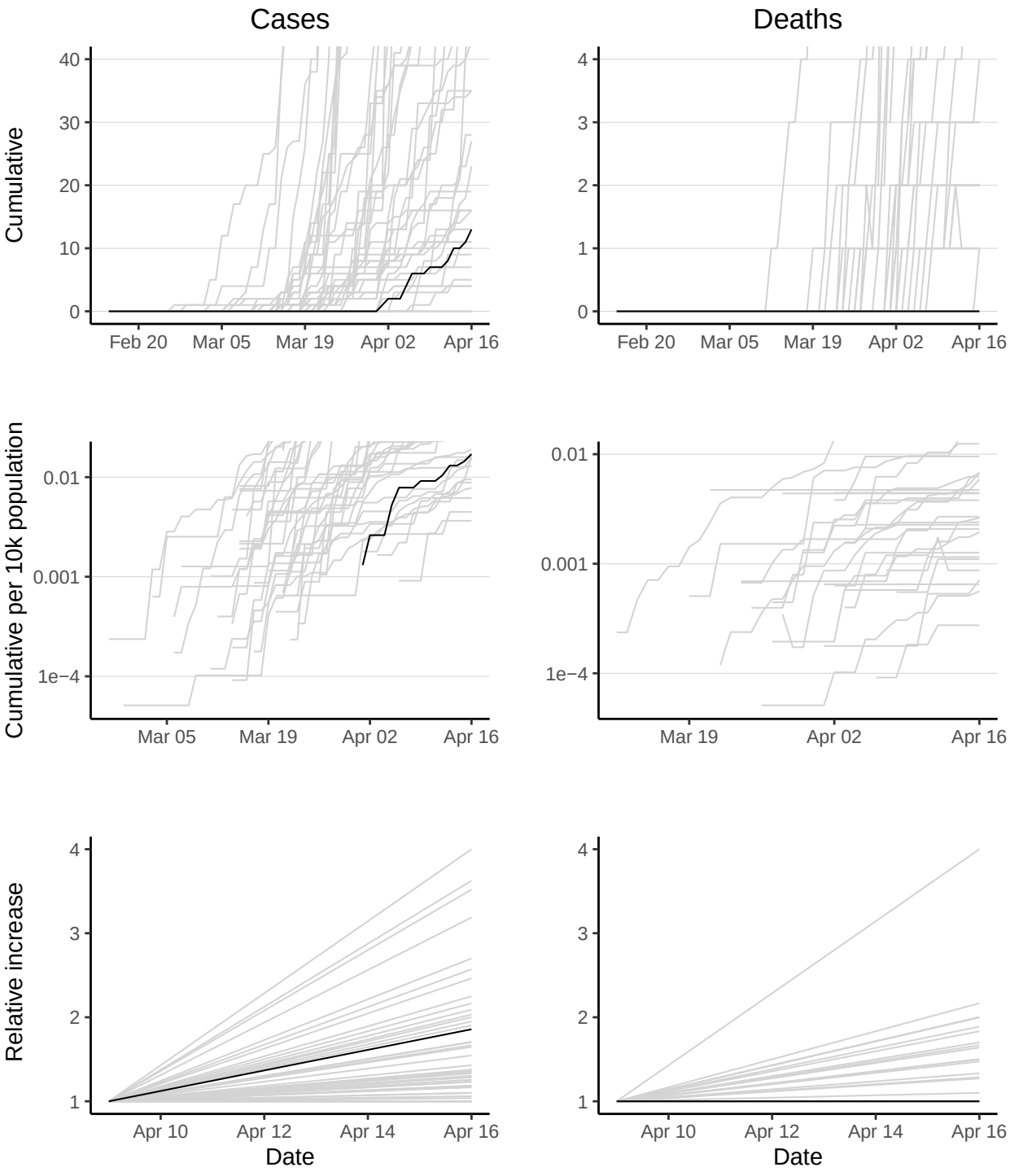
Senegal


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16
0
100
200
300
1
2
3
4
1e−4
0.001
0.01
0.1

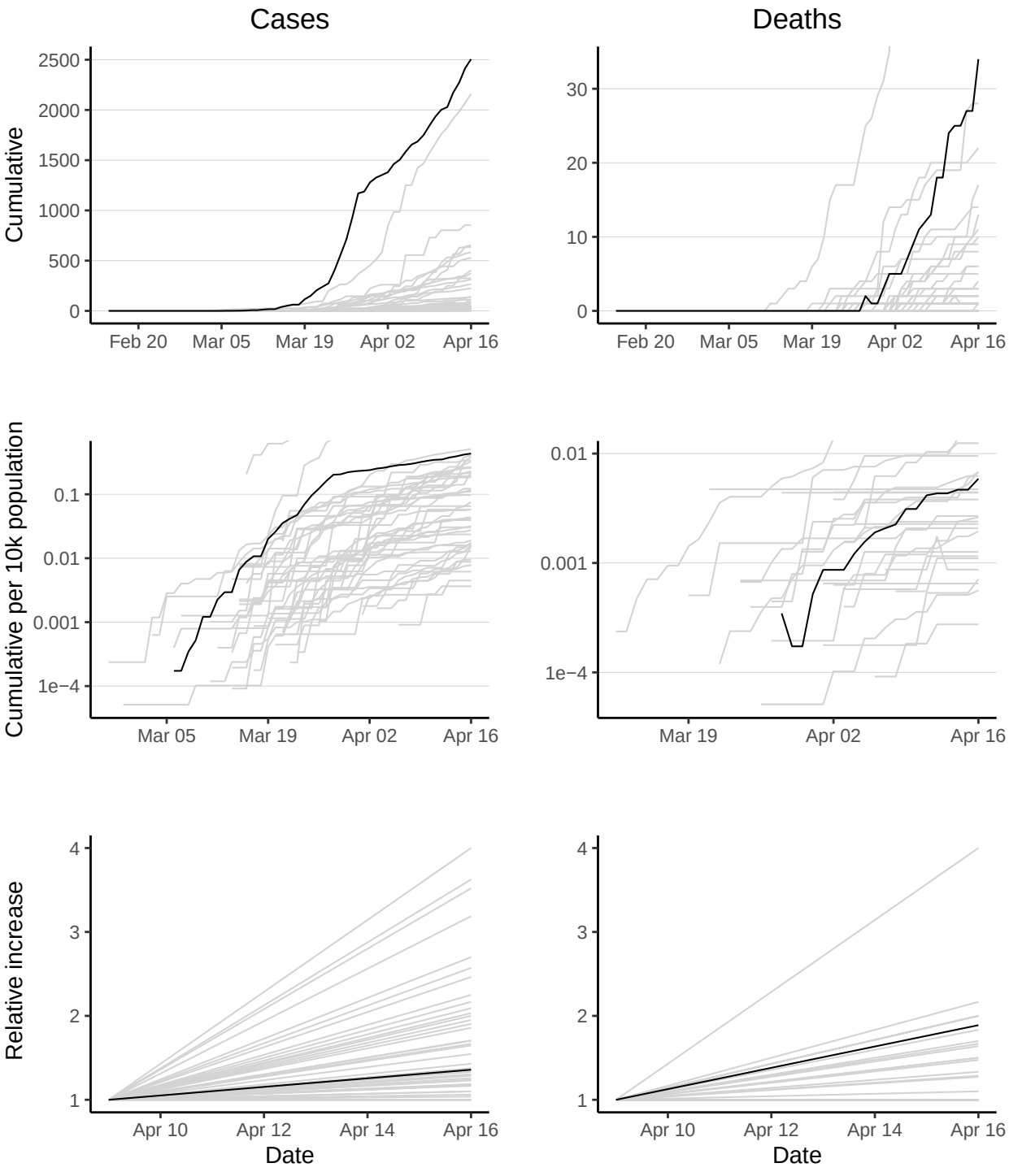
Seychelles


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

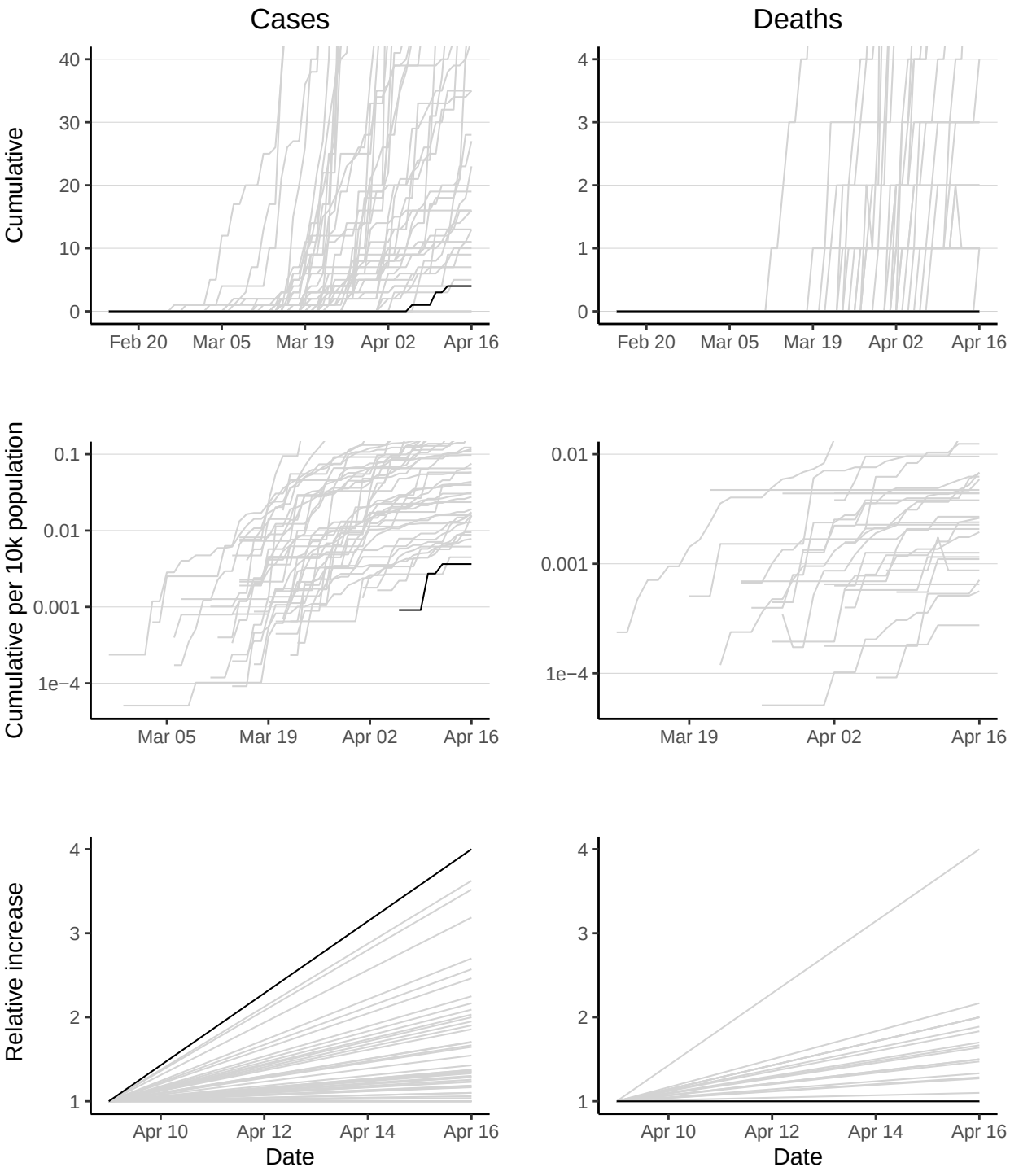
Sierra Leone



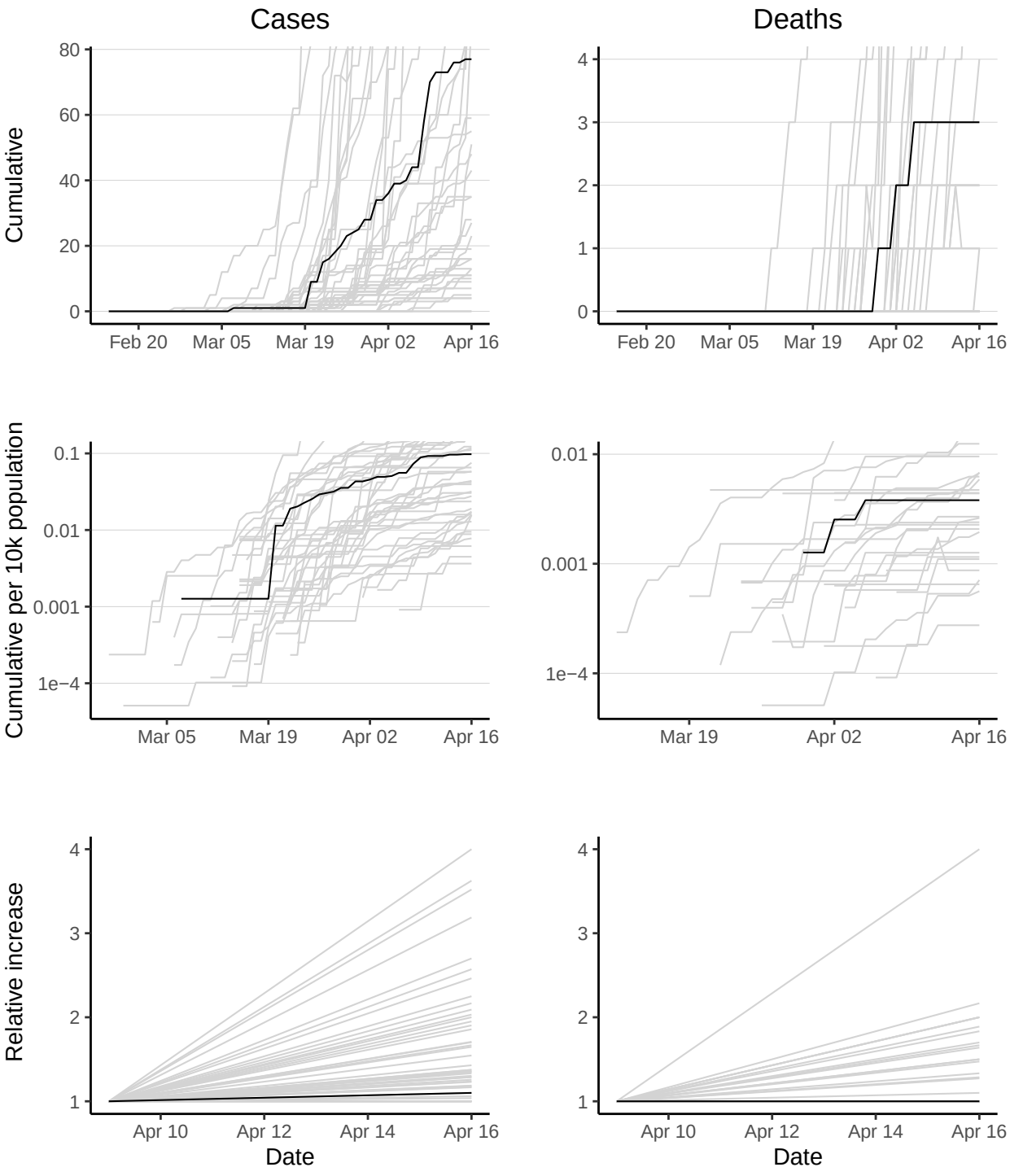
South Africa



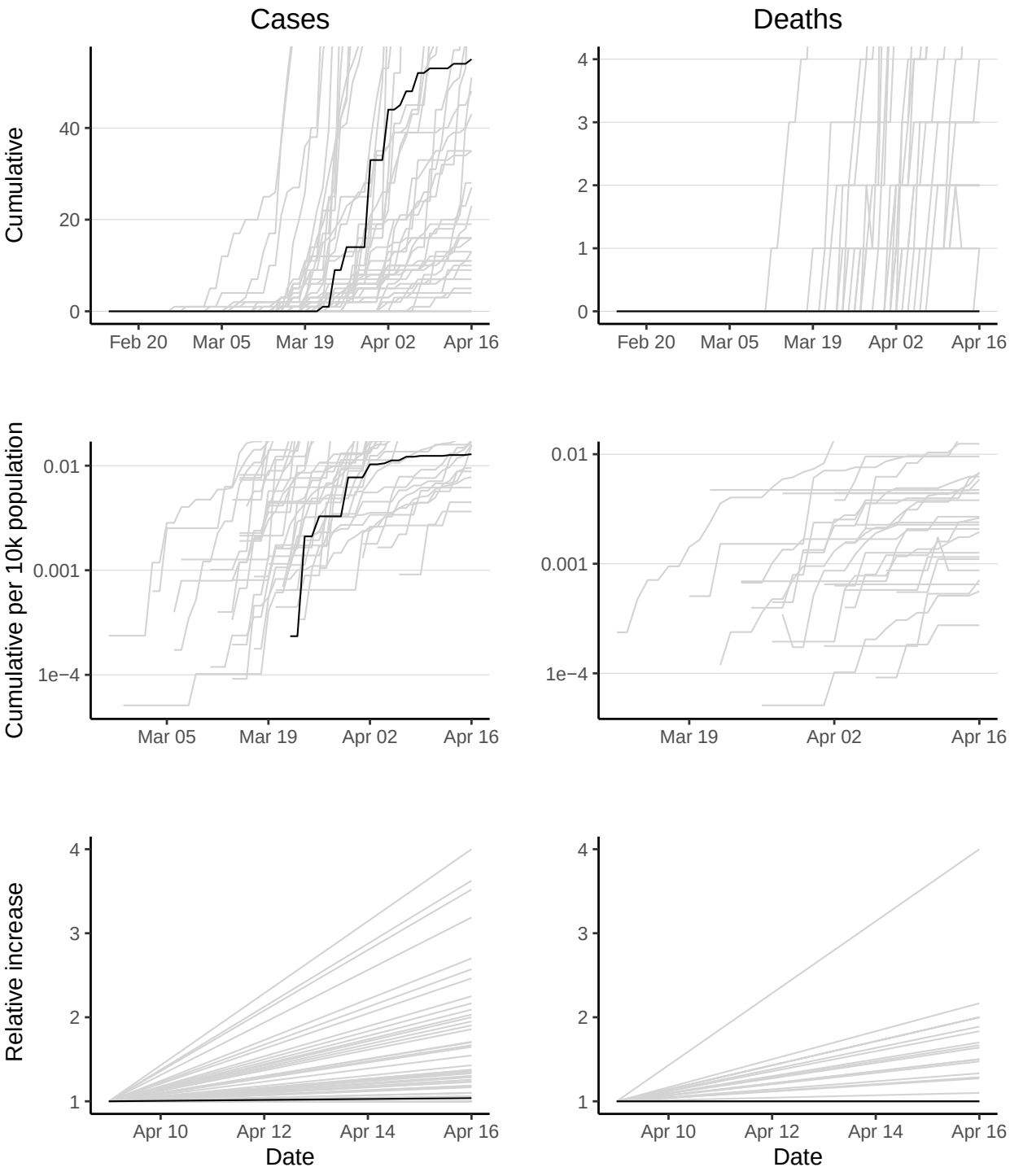
South Sudan


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

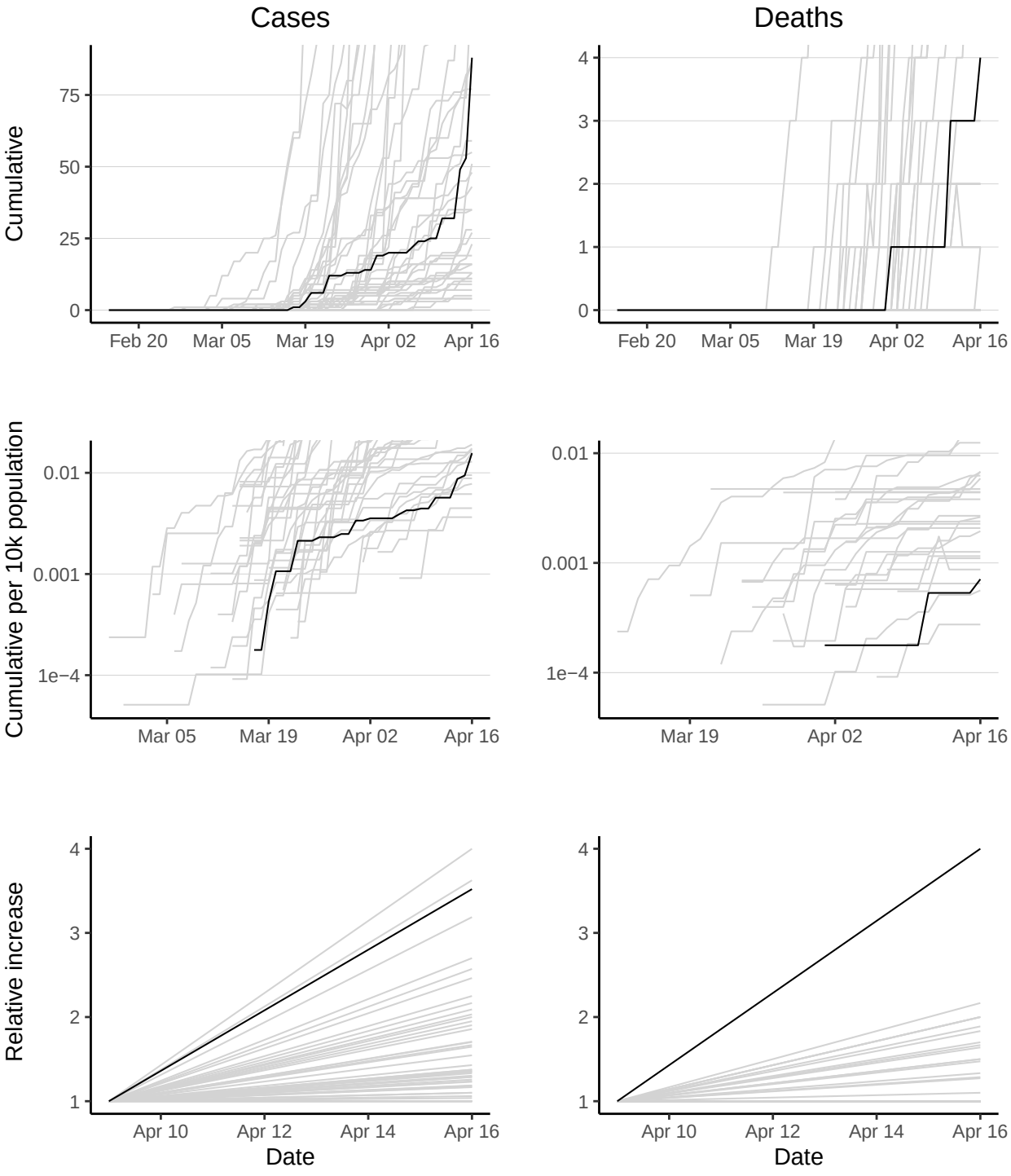
Togo


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

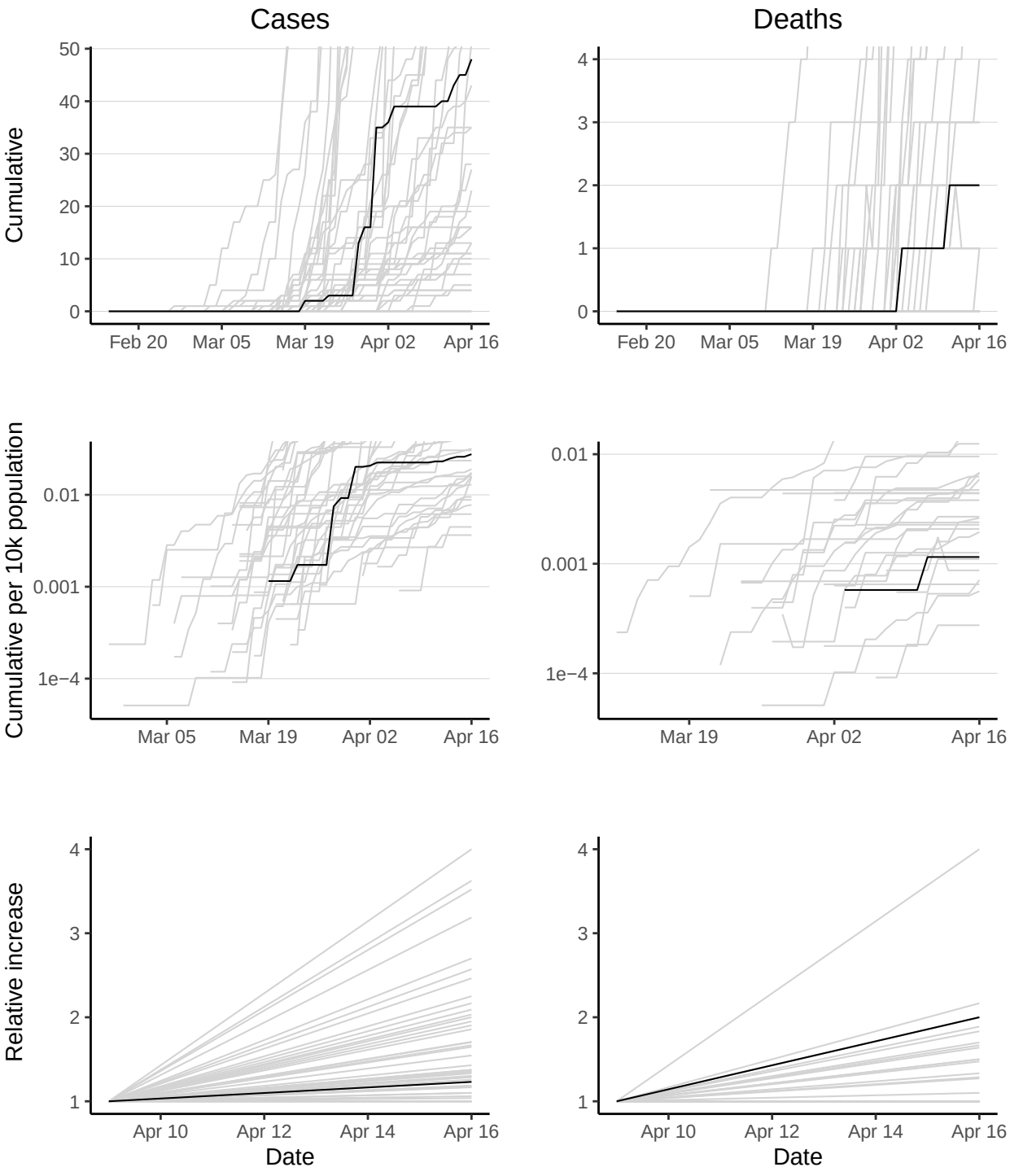
Uganda


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16
0
20
40
1
2
3
4
0.01
0.001
1e−4

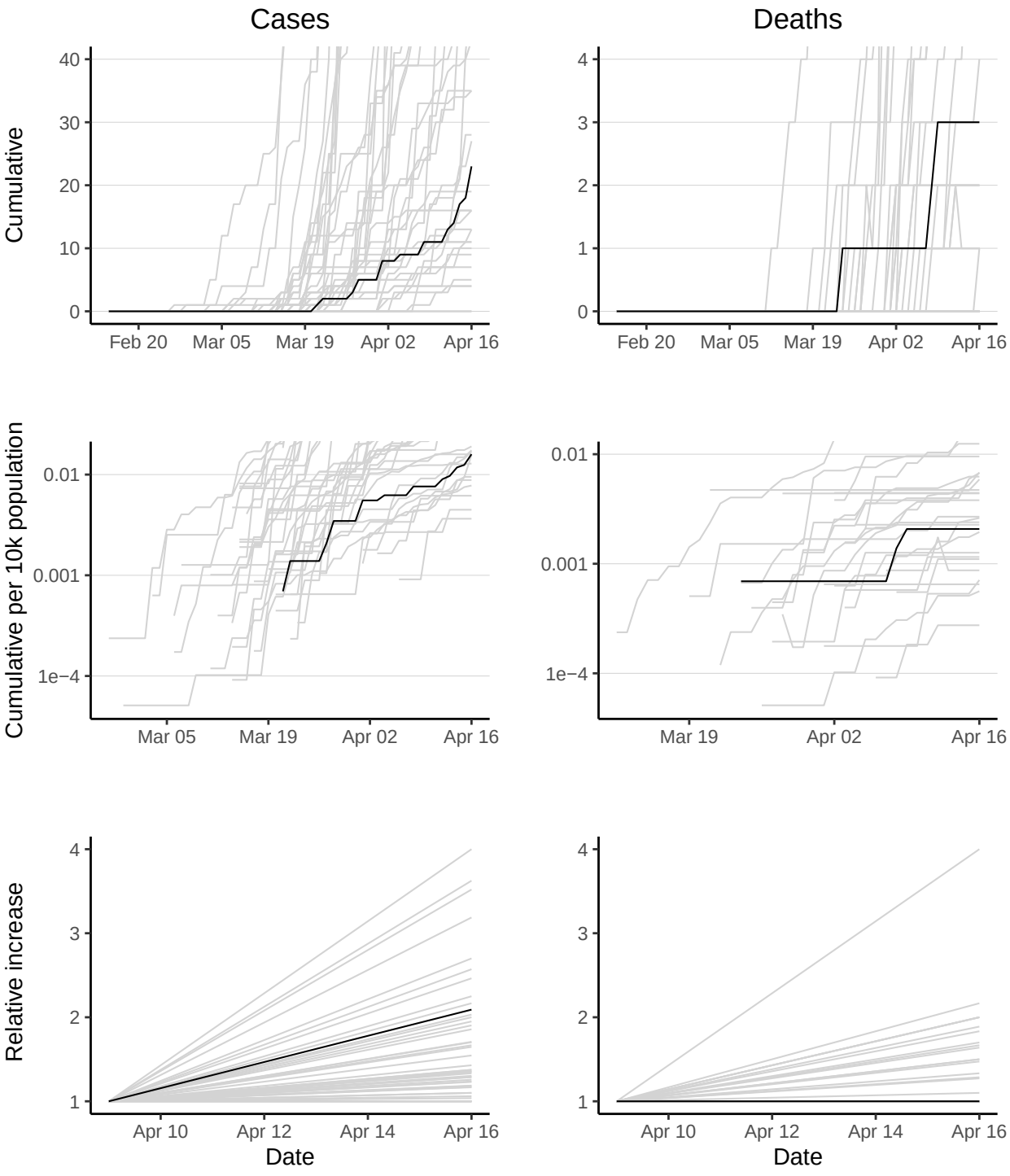
United Republic of Tanzania



Zambia


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

Zimbabwe


Cases
Deaths
Cumulative
Cumulative per 10k population
Relative increase
Date
Feb 20
Mar 05
Mar 19
Apr 02
Apr 10
Apr 12
Apr 14
Apr 16

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 16/04/2020).

- 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 16/04/2020).

- 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.

- Data are provided by WHO Afro but were smoothed where necessary (e.g. if a decrease in cumulative count was reported) for doubling time calculations.

Extended Data tables

Cumulative reported cases

Country	Cum. reported cases	95%CI lower	95%CI upper
South Africa	2506	2410	2571.1
Algeria	2160	2086	2235.0
Cameroon	855	792	888.0
Cote d'Ivoire	654	613	692.0
Ghana	636	595	679.0
Niger	584	545	623.0
Burkina Faso	528	491	568.0
Guinea	404	370	436.0
Nigeria	373	333	395.0
Mauritius	324	294	353.0
Senegal	314	284	344.0
Democratic Republic of the Congo	267	241	295.0
Kenya	225	199	249.0
Mali	144	124	164.0
Rwanda	136	117	156.0
Congo	117	100	135.0
Madagascar	110	94	129.0
United Republic of Tanzania	88	74	103.0
Gabon	87	72	103.0
Ethiopia	85	70	100.0
Togo	77	64	92.0
Liberia	59	46	71.0
Uganda	55	43	68.0
Equatorial Guinea	51	40	63.0
Zambia	48	38	61.0
Guinea-Bissau	43	33	54.0
Benin	35	25	46.0
Eritrea	35	26	45.0
Mozambique	28	19	37.0
Chad	27	19	36.0
Zimbabwe	23	16	31.0
Angola	19	12	26.0
Eswatini	16	10	23.0
Malawi	16	10	23.0
Namibia	16	9	22.0
Botswana	13	7	19.0
Sierra Leone	13	7	19.0
Central African Republic	11	6	17.0
Seychelles	11	6	16.0
Cabo Verde	10	5	15.0
Gambia	9	5	14.0
Mauritania	7	3	11.0
Burundi	5	2	9.0
Sao Tome and Principe	4	1	8.0
South Sudan	4	1	8.0
Comoros	0	0	0.0
Lesotho	0	0	0.0

Cumulative reported cases per 10,000 population

Country	Cum. reported cases per 10k pop	95%CI lower	95%CI upper
Mauritius	2.5606515	2.3	2.8
Seychelles	1.1368099	0.6	1.7
Algeria	0.5115038	0.5	0.5
South Africa	0.4337169	0.4	0.4
Gabon	0.4105177	0.3	0.5
Equatorial Guinea	0.3896181	0.3	0.5
Cameroon	0.3390672	0.3	0.4
Guinea	0.3254307	0.3	0.4
Burkina Faso	0.2673210	0.2	0.3
Cote d'Ivoire	0.2608776	0.2	0.3
Niger	0.2602154	0.2	0.3
Guinea-Bissau	0.2294179	0.2	0.3
Congo	0.2230967	0.2	0.3
Ghana	0.2136586	0.2	0.2
Senegal	0.1980528	0.2	0.2
Sao Tome and Principe	0.1895483	0.0	0.4
Cabo Verde	0.1839023	0.1	0.3
Liberia	0.1224326	0.1	0.1
Eswatini	0.1170446	0.1	0.2
Rwanda	0.1105517	0.1	0.1
Togo	0.0976031	0.1	0.1
Mali	0.0754808	0.1	0.1
Namibia	0.0653527	0.0	0.1
Eritrea	0.0578512	0.0	0.1
Botswana	0.0576720	0.0	0.1
Kenya	0.0437803	0.0	0.0
Madagascar	0.0418850	0.0	0.0
Gambia	0.0394719	0.0	0.1
Democratic Republic of the Congo	0.0317600	0.0	0.0
Benin	0.0304744	0.0	0.0
Zambia	0.0276628	0.0	0.0
Central African Republic	0.0235729	0.0	0.0
Nigeria	0.0190428	0.0	0.0
Chad	0.0174444	0.0	0.0
Sierra Leone	0.0169931	0.0	0.0
Zimbabwe	0.0159291	0.0	0.0
Mauritania	0.0158971	0.0	0.0
United Republic of Tanzania	0.0156255	0.0	0.0
Uganda	0.0128736	0.0	0.0
Mozambique	0.0094928	0.0	0.0
Malawi	0.0088187	0.0	0.0
Ethiopia	0.0077821	0.0	0.0
Angola	0.0061669	0.0	0.0
Burundi	0.0044741	0.0	0.0
South Sudan	0.0036443	0.0	0.0
Comoros	0.0000000	0.0	0.0
Lesotho	0.0000000	0.0	0.0

Cumulative deaths

Country	Cum. reported deaths	95%CI lower	95%CI upper
Algeria	336	307.9	368
South Africa	34	24.0	43
Burkina Faso	28	20.0	37
Democratic Republic of the Congo	22	15.0	30
Cameroon	17	10.0	23
Niger	14	8.0	20
Mali	13	7.0	20
Nigeria	11	6.0	17
Kenya	10	5.0	15
Mauritius	9	4.0	14
Ghana	8	4.0	13
Cote d'Ivoire	6	2.0	10
Liberia	6	2.0	10
Congo	5	2.0	9
United Republic of Tanzania	4	1.0	8
Ethiopia	3	1.0	6
Togo	3	0.0	6
Zimbabwe	3	1.0	6
Angola	2	0.0	5
Malawi	2	0.0	5
Senegal	2	0.0	5
Zambia	2	0.0	4
Benin	1	0.0	3
Botswana	1	0.0	3
Cabo Verde	1	0.0	3
Gabon	1	0.0	3
Gambia	1	0.0	3
Guinea	1	0.0	3
Mauritania	1	0.0	3
Burundi	0	0.0	0
Central African Republic	0	0.0	0
Chad	0	0.0	0
Comoros	0	0.0	0
Equatorial Guinea	0	0.0	0
Eritrea	0	0.0	0
Eswatini	0	0.0	0
Guinea-Bissau	0	0.0	0
Lesotho	0	0.0	0
Madagascar	0	0.0	0
Mozambique	0	0.0	0
Namibia	0	0.0	0
Rwanda	0	0.0	0
Sao Tome and Principe	0	0.0	0
Seychelles	0	0.0	0
Sierra Leone	0	0.0	0
South Sudan	0	0.0	0
Uganda	0	0.0	0

Cumulative deaths per 10,000 populations

Country	Cum. reported deaths per 10k pop	95%CI lower	95%CI upper
Algeria	0.0795673	0.1	0.1
Mauritius	0.0711292	0.0	0.1
Cabo Verde	0.0183902	0.0	0.1
Burkina Faso	0.0141761	0.0	0.0
Liberia	0.0124508	0.0	0.0
Congo	0.0095340	0.0	0.0
Mali	0.0068142	0.0	0.0
Cameroon	0.0067417	0.0	0.0
Niger	0.0062380	0.0	0.0
South Africa	0.0058844	0.0	0.0
Gabon	0.0047186	0.0	0.0
Botswana	0.0044363	0.0	0.0
Gambia	0.0043858	0.0	0.0
Togo	0.0038027	0.0	0.0
Ghana	0.0026875	0.0	0.0
Democratic Republic of the Congo	0.0026169	0.0	0.0
Cote d'Ivoire	0.0023934	0.0	0.0
Mauritania	0.0022710	0.0	0.0
Zimbabwe	0.0020777	0.0	0.0
Kenya	0.0019458	0.0	0.0
Senegal	0.0012615	0.0	0.0
Zambia	0.0011526	0.0	0.0
Malawi	0.0011023	0.0	0.0
Benin	0.0008707	0.0	0.0
Guinea	0.0008055	0.0	0.0
United Republic of Tanzania	0.0007102	0.0	0.0
Angola	0.0006491	0.0	0.0
Nigeria	0.0005616	0.0	0.0
Ethiopia	0.0002747	0.0	0.0
Burundi	0.0000000	0.0	0.0
Central African Republic	0.0000000	0.0	0.0
Chad	0.0000000	0.0	0.0
Comoros	0.0000000	0.0	0.0
Equatorial Guinea	0.0000000	0.0	0.0
Eritrea	0.0000000	0.0	0.0
Eswatini	0.0000000	0.0	0.0
Guinea-Bissau	0.0000000	0.0	0.0
Lesotho	0.0000000	0.0	0.0
Madagascar	0.0000000	0.0	0.0
Mozambique	0.0000000	0.0	0.0
Namibia	0.0000000	0.0	0.0
Rwanda	0.0000000	0.0	0.0
Sao Tome and Principe	0.0000000	0.0	0.0
Seychelles	0.0000000	0.0	0.0
Sierra Leone	0.0000000	0.0	0.0
South Sudan	0.0000000	0.0	0.0
Uganda	0.0000000	0.0	0.0

Doubling time (cases)

Country	Doubling time (days)	95%CI lower	95%CI upper
South Sudan	3.5	0.0	12.0
Gabon	3.8	3.0	4.7
United Republic of Tanzania	3.9	3.1	4.8
Equatorial Guinea	4.2	3.1	5.7
Chad	4.9	3.1	7.9
Mali	5.1	4.3	6.2
Guinea	5.4	4.8	6.0
Gambia	6.0	2.7	16.9
Botswana	6.3	3.2	14.4
Zimbabwe	6.6	4.0	12.0
Ghana	6.8	6.3	7.6
Malawi	7.0	4.0	14.4
Congo	7.3	5.9	9.2
Liberia	7.5	5.5	10.7
Sierra Leone	7.8	3.9	18.5
Cote d'Ivoire	9.1	8.2	10.0
Niger	9.1	8.2	10.1
Burundi	9.5	3.0	Inf
Mozambique	9.7	6.3	17.8
Ethiopia	11.1	8.4	14.8
Cabo Verde	13.6	6.3	60.6
Burkina Faso	15.2	13.3	17.7
Algeria	15.3	14.3	16.4
Nigeria	15.7	13.4	18.6
South Africa	15.7	14.7	16.8
Benin	16.3	10.5	30.3
Eswatini	16.9	8.4	65.5
Guinea-Bissau	18.3	11.6	33.3
Democratic Republic of the Congo	19.1	15.4	23.6
Senegal	19.2	15.9	23.9
Kenya	21.2	17.0	27.8
Rwanda	22.9	16.9	33.7
Zambia	23.4	14.7	46.1
Mauritius	28.3	22.8	37.1
Madagascar	28.9	19.8	45.6
Cameroon	30.2	26.5	35.2
Mauritania	31.5	7.0	Inf
Central African Republic	50.9	16.9	Inf
Togo	50.9	31.0	120.6
Eritrea	82.5	36.3	Inf
Uganda	131.0	55.8	Inf
Angola	NA	Inf	Inf
Namibia	NA	Inf	Inf
Sao Tome and Principe	NA	Inf	Inf
Seychelles	NA	Inf	Inf
Comoros	NA	NA	NA
Lesotho	NA	NA	NA

Doubling time (deaths)

Country	Doubling time (days)	95%CI lower	95%CI upper
Guinea	0.0	0.0	0.0
United Republic of Tanzania	3.5	0.0	16.9
Mali	6.3	3.2	13.6
Cote d'Ivoire	7.0	2.3	Inf
Malawi	7.0	0.0	Inf
Zambia	7.0	0.0	Inf
South Africa	7.3	4.9	12.0
Nigeria	8.0	3.7	19.3
Cameroon	8.4	4.7	19.3
Kenya	9.5	4.4	31.5
Algeria	9.8	8.5	11.5
Ethiopia	12.0	0.0	Inf
Liberia	12.0	3.9	Inf
Burkina Faso	12.5	7.6	25.4
Ghana	16.9	6.2	Inf
Mauritius	19.3	7.7	Inf
Niger	20.1	9.1	Inf
Democratic Republic of the Congo	50.9	20.9	Inf
Angola	NA	Inf	Inf
Benin	NA	Inf	Inf
Botswana	NA	Inf	Inf
Cabo Verde	NA	Inf	Inf
Congo	NA	Inf	Inf
Gabon	NA	Inf	Inf
Gambia	NA	Inf	Inf
Mauritania	NA	Inf	Inf
Senegal	NA	Inf	Inf
Togo	NA	Inf	Inf
Zimbabwe	NA	Inf	Inf
Burundi	NA	NA	NA
Central African Republic	NA	NA	NA
Chad	NA	NA	NA
Comoros	NA	NA	NA
Equatorial Guinea	NA	NA	NA
Eritrea	NA	NA	NA
Eswatini	NA	NA	NA
Guinea-Bissau	NA	NA	NA
Lesotho	NA	NA	NA
Madagascar	NA	NA	NA
Mozambique	NA	NA	NA
Namibia	NA	NA	NA
Rwanda	NA	NA	NA
Sao Tome and Principe	NA	NA	NA
Seychelles	NA	NA	NA
Sierra Leone	NA	NA	NA
South Sudan	NA	NA	NA
Uganda	NA	NA	NA