

Data Insights: Covid-2019 Monitor

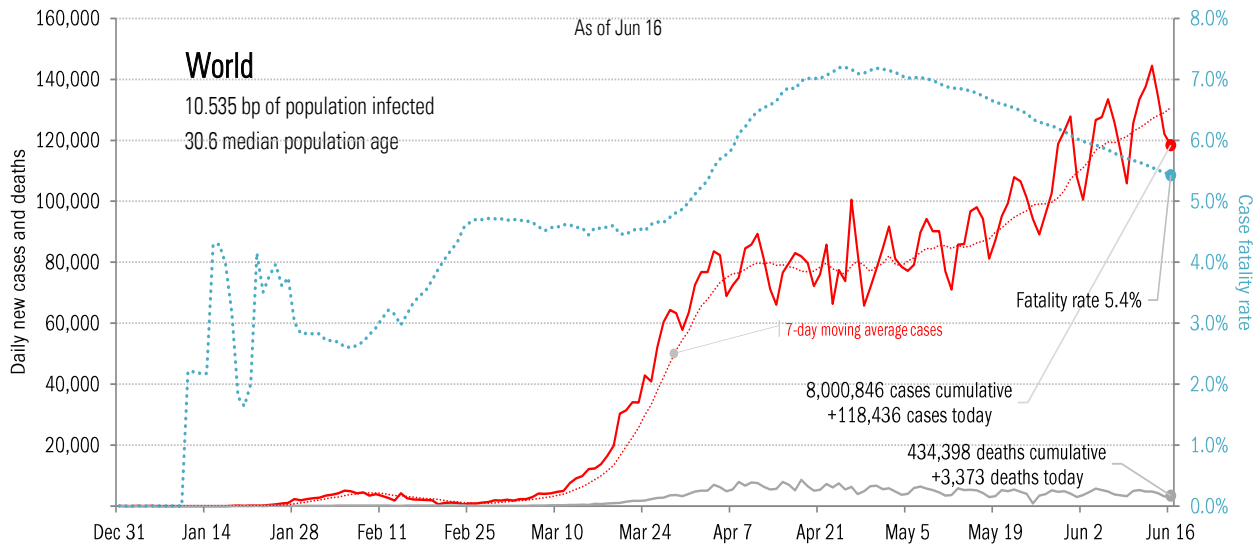
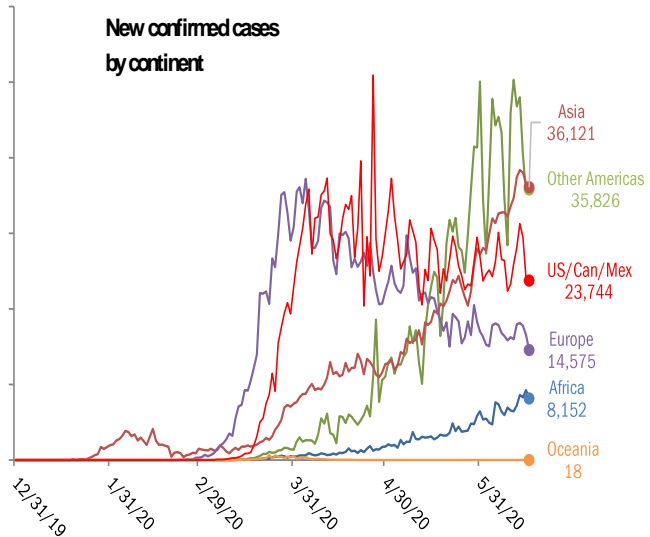
Tuesday, June 16, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+20,647	Brazil	+627
US	+19,957	Mexico	+439
India	+10,667	US	+395
Russia	+8,246	India	+380
Chile	+5,143	Peru	+172
Saudi	+4,507	Russia	+143
Pakistan	+4,443	Iran	+113
South_Africa	+3,495	Pakistan	+110
Mexico	+3,427	Egypt	+97
Peru	+3,256	South_Africa	+88
+83,788		+2,564	
World	+118,436	World	+3,373
Top ten	71%	Top ten	76%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

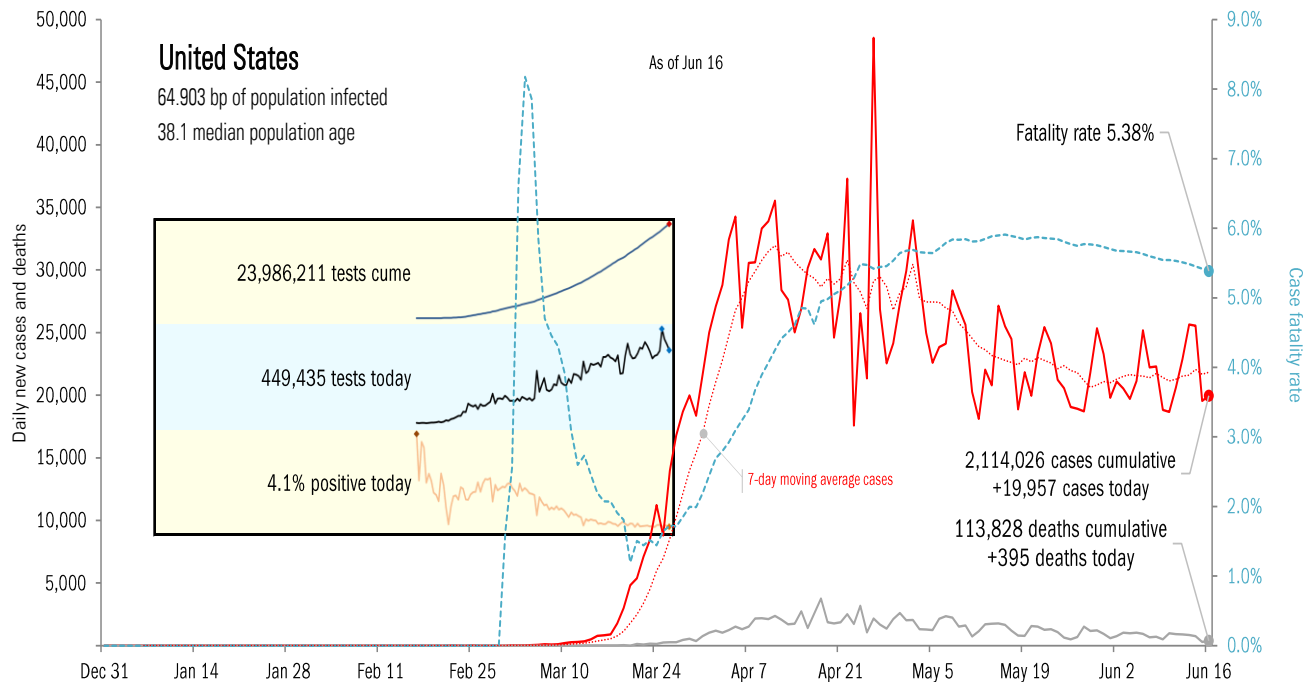
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cure cases		Cure deaths		Cure in hospital	
CA	+2,597	NJ	+51	FL	+74	NY	383,944	NY	24,579	NY	89,995
FL	+1,758	GA	+43	GA	+74	NJ	167,103	NJ	12,676	NJ	18,755
TX	+1,254	NY	+28	MD	+57	CA	151,452	MA	7,647	FL	12,298
AZ	+1,014	PA	+28	CH	+53	IL	133,877	IL	6,507	MA	10,817
NC	+983	CA	+26	IN	+32	MA	105,690	PA	6,243	MD	10,222
GA	+733	MA	+23	RI	+29	TX	89,108	MI	6,017	CT	9,912
TN	+728	IL	+18	AZ	+24	PA	79,121	CA	5,089	GA	9,322
AL	+657	RI	+18	MN	+20	FL	77,326	CT	4,204	VA	8,132
NY	+620	CH	+16	TN	+19	MI	66,085	FL	3,030	CH	6,948
SC	+583	IN	+11	NJ	+18	MD	62,032	LA	3,018	IN	6,451
+10,927		+262		+400		1,315,738		79,010		182,852	
All states	+18,521	All states	+375	All states	+509	All states	2,103,549	All states	109,982	All states	225,570
Top ten	59%	Top ten	70%	Top ten	79%	Top ten	63%	Top ten	72%	Top ten	81%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CA	-615	CA	-48	MD	-55	NC	+5,566
TX	-589	MA	-25	VA	-50	LA	+3,113
AR	-538	CT	-12	IN	-38	MS	+1,967
NC	-460	TX	-12	WA	-17	TX	+748
AL	-357	MN	-9	MA	-15	MN	+519



Source: States and test data [Covid Tracking Project](#), US data [ECDC](#), TrendMacro calculations

Recommended reading

[The Data Are In: It's Time for Major Reopening](#)

David R. Henderson and Jonathan Lipow
Wall Street Journal
June 15, 2020

[Forecasting for COVID-19 has failed](#)

John P.A. Ioannidis, Sally Cripps, Martin A. Tanner
International Institute of Forecasters
June 11, 2020

[David Watkins, Ph.D.: A masterclass in immunology, monoclonal antibodies, and vaccine strategies for COVID-19](#)

Peter Attia
The Peter Attia Drive
June 15, 2020

[Kudlow calls \\$600 unemployment checks a 'disincentive,' expects them to stop in July](#)

Rebecca Klar
The Hill
June 14, 2020

[The Masks Masquerade](#)

Nassim Nicholas Taleb
Medium
June 14, 2020

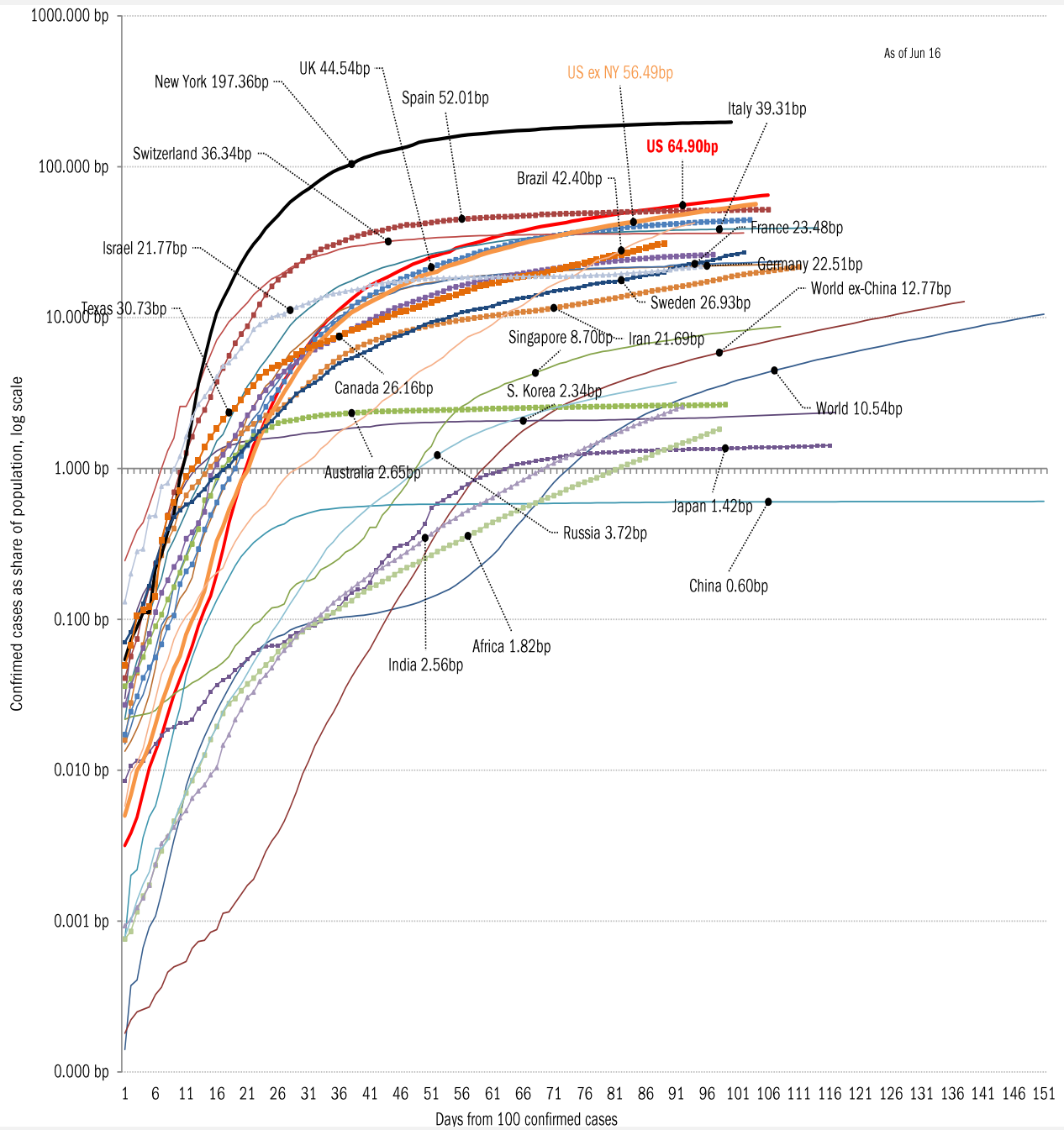
Meme of the day



Gov Cooper, announcing school will remain closed through summer

Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

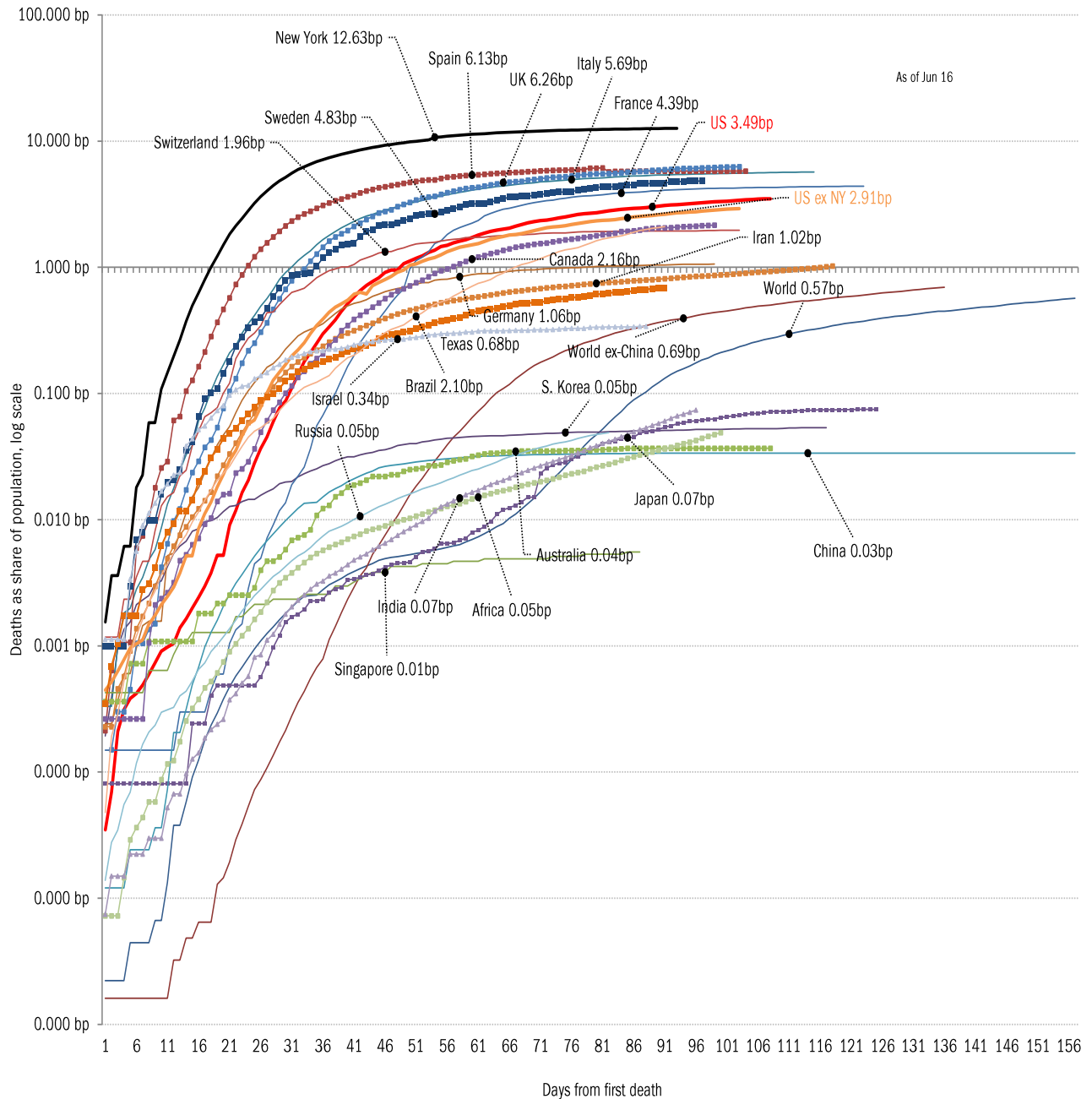
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

The coronavirus mortality accelerometer ... tracking the world's fatality curves

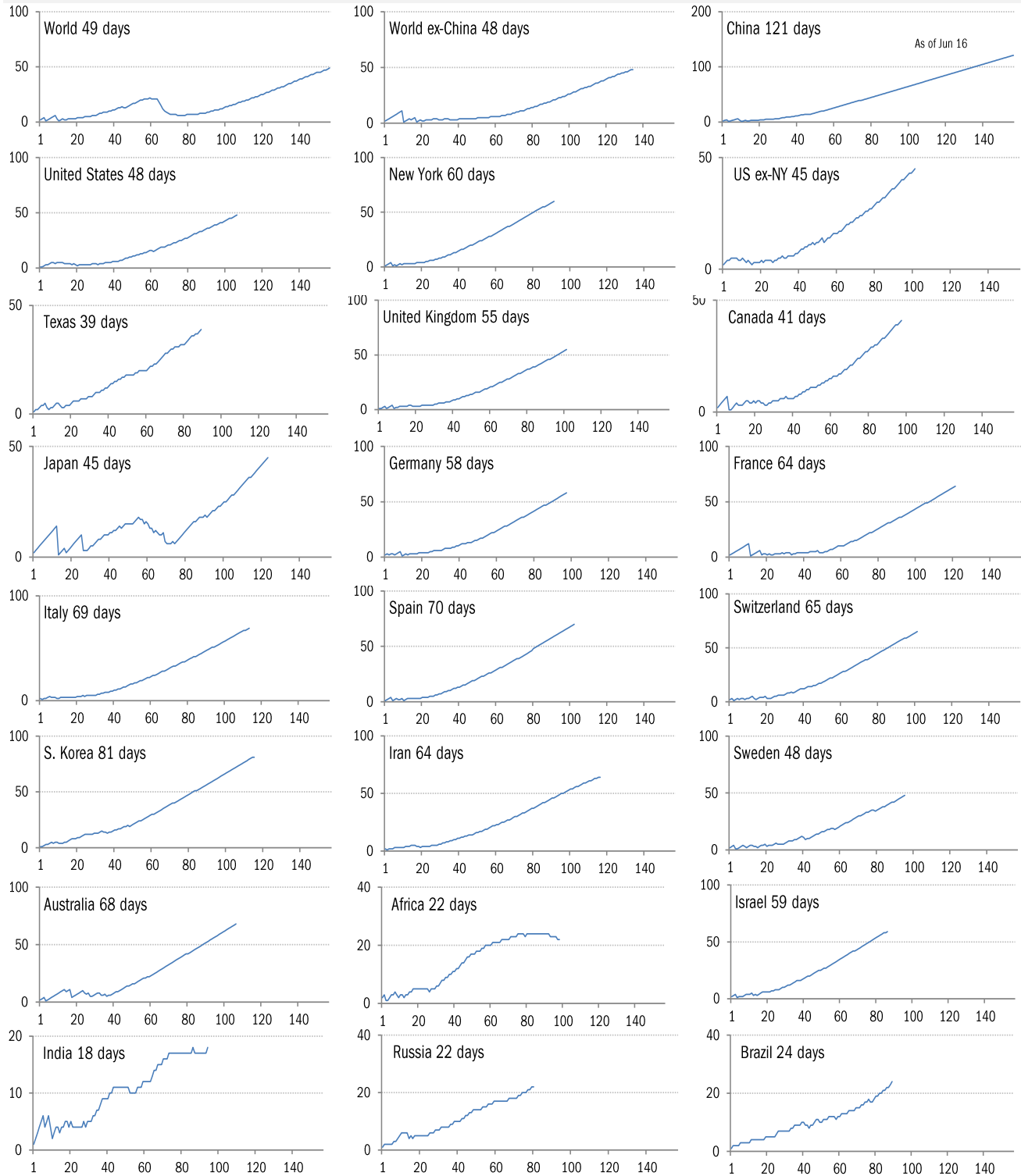
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

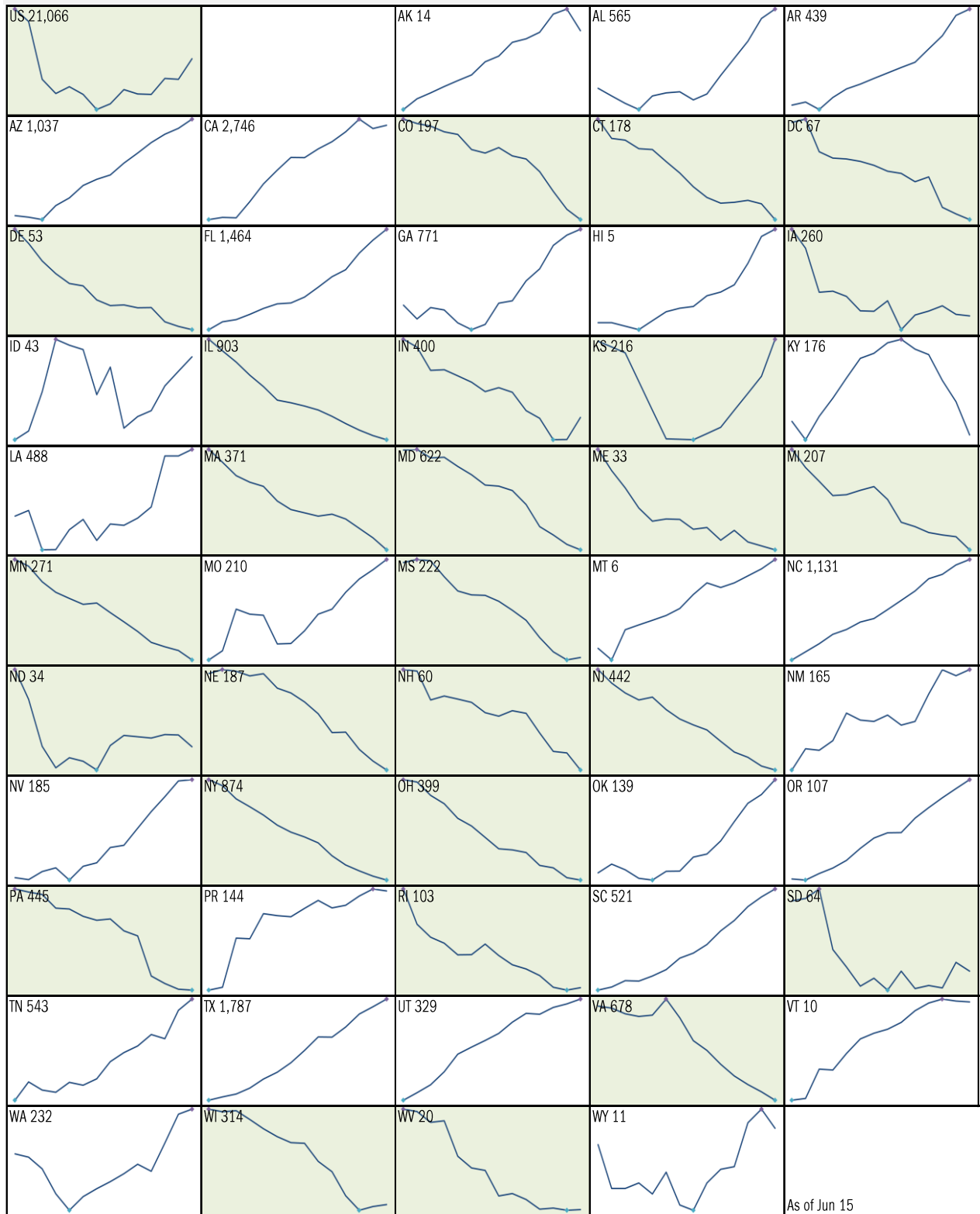
Our most reliable evidence of slowing exponential growth of Covid-2019

Vertical: number of days it takes to double deaths Horizontal: days from first death



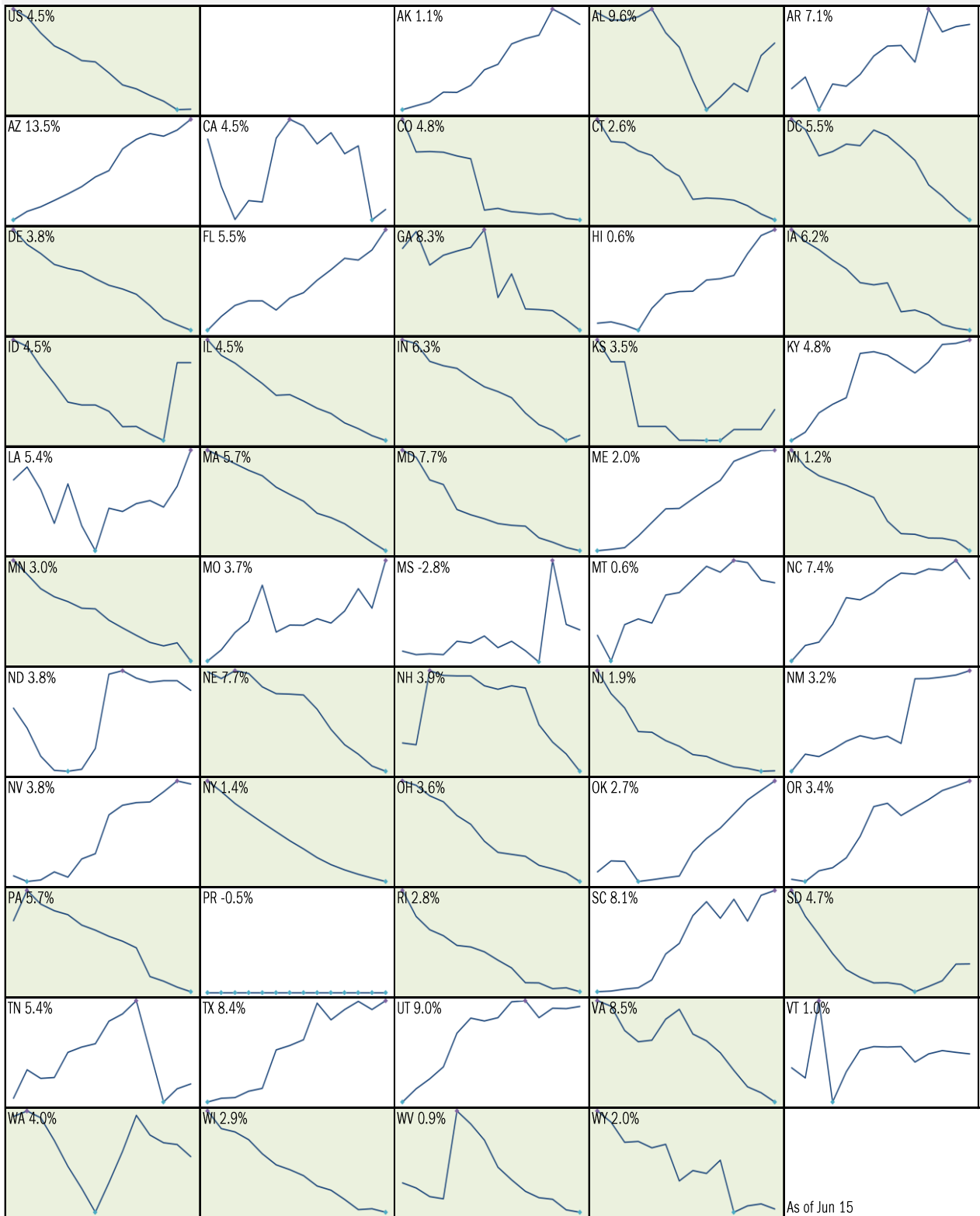
Source: [ECDC](#), TrendMacro calculations

Requirement to [Open Up America Again](#): ■ 14-day “downward trajectory” in new cases
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low



Source: [Covid Tracking Project](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): ■ 14-day "downward trajectory" in pos tests
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low



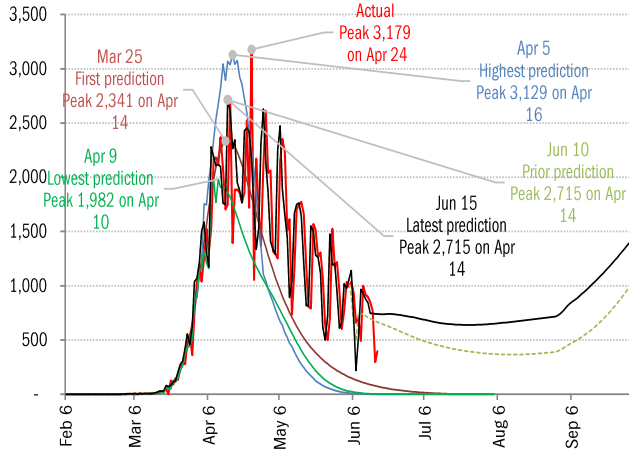
Source: [Covid Tracking Project](#), TrendMacro calculations

Reality-checking the models: actuals versus [IHME predictions](#)

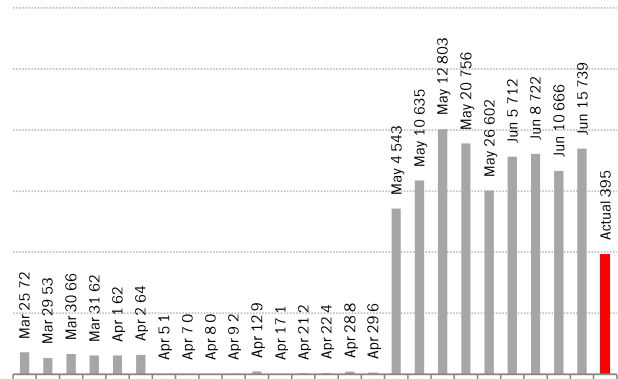
New daily fatalities

As of Jun 16

Actual versus first, highest, lowest and latest model mean predictions

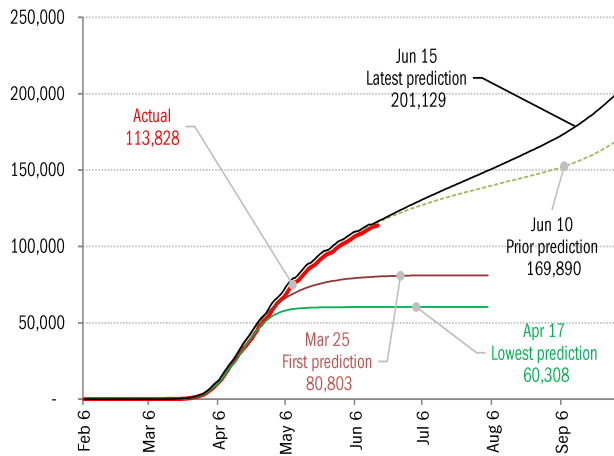


For this day, versus all model mean predictions

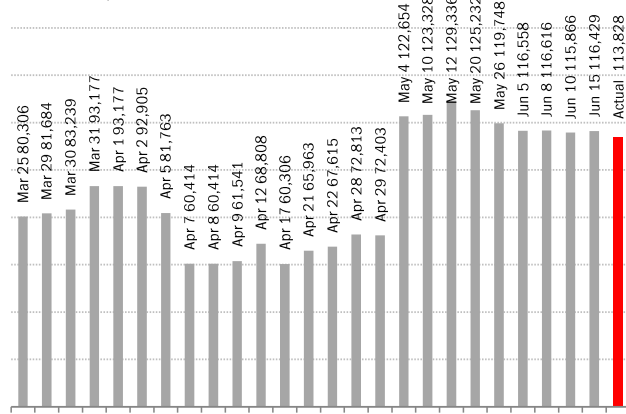


Cumulative fatalities

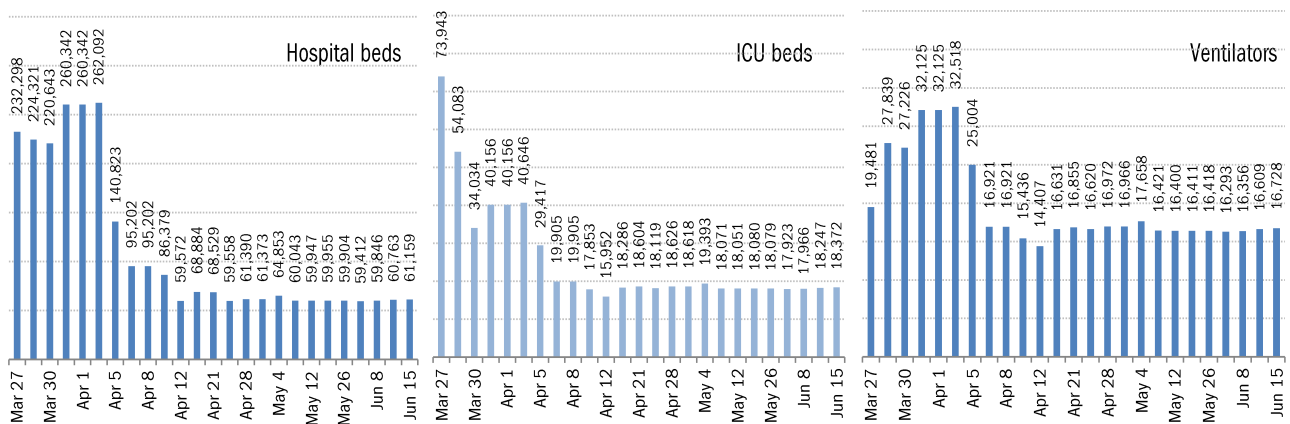
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

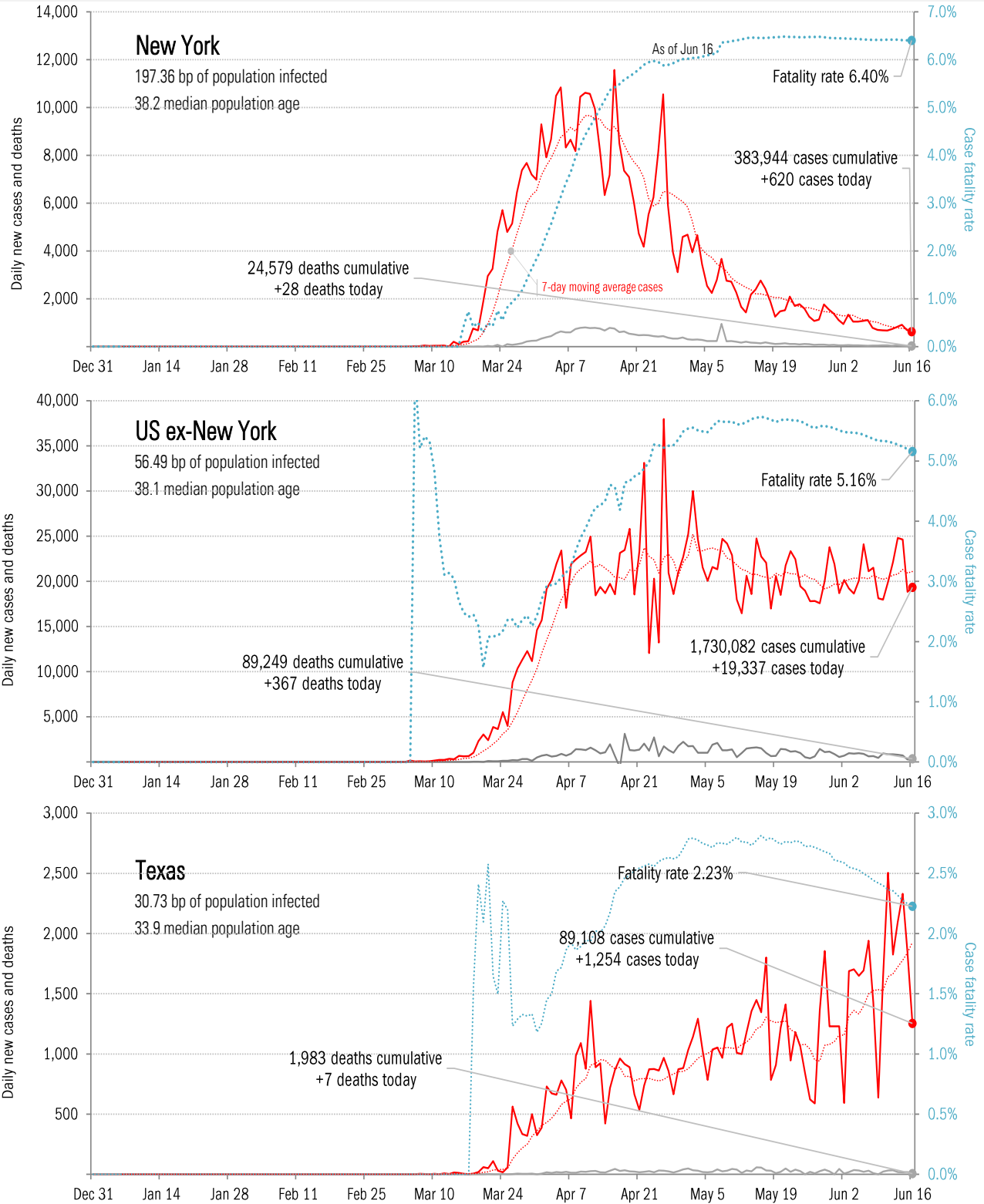


Healthcare system stress, peak estimated at each model revision



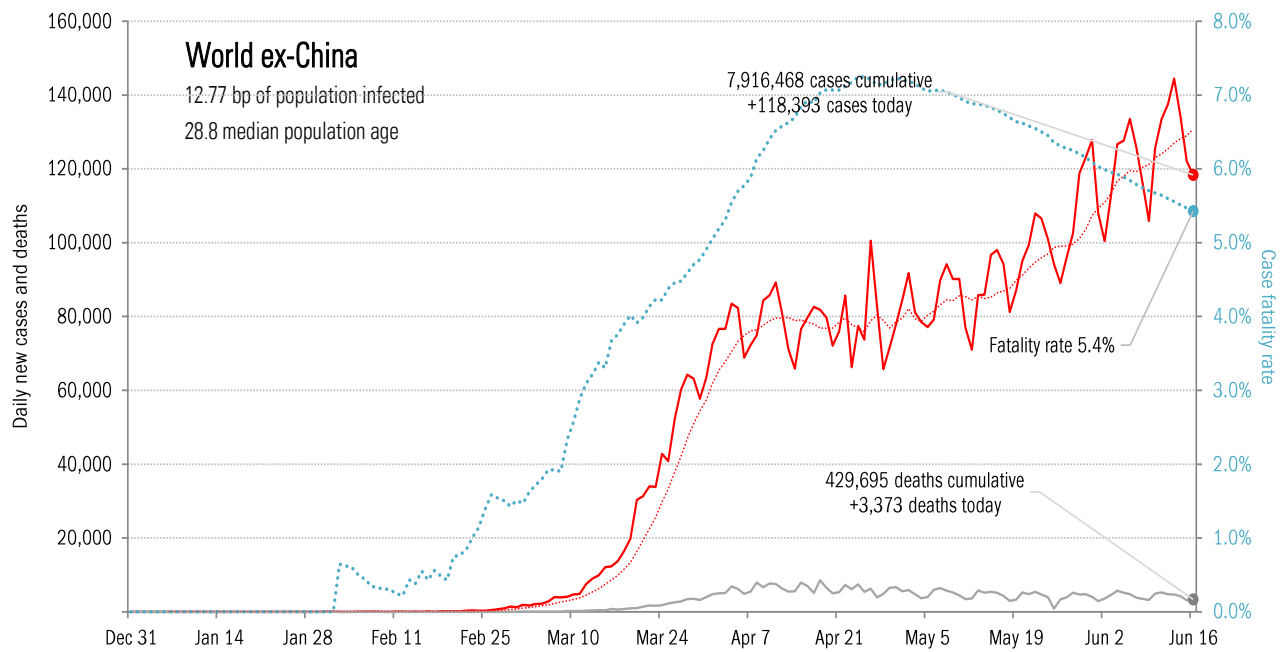
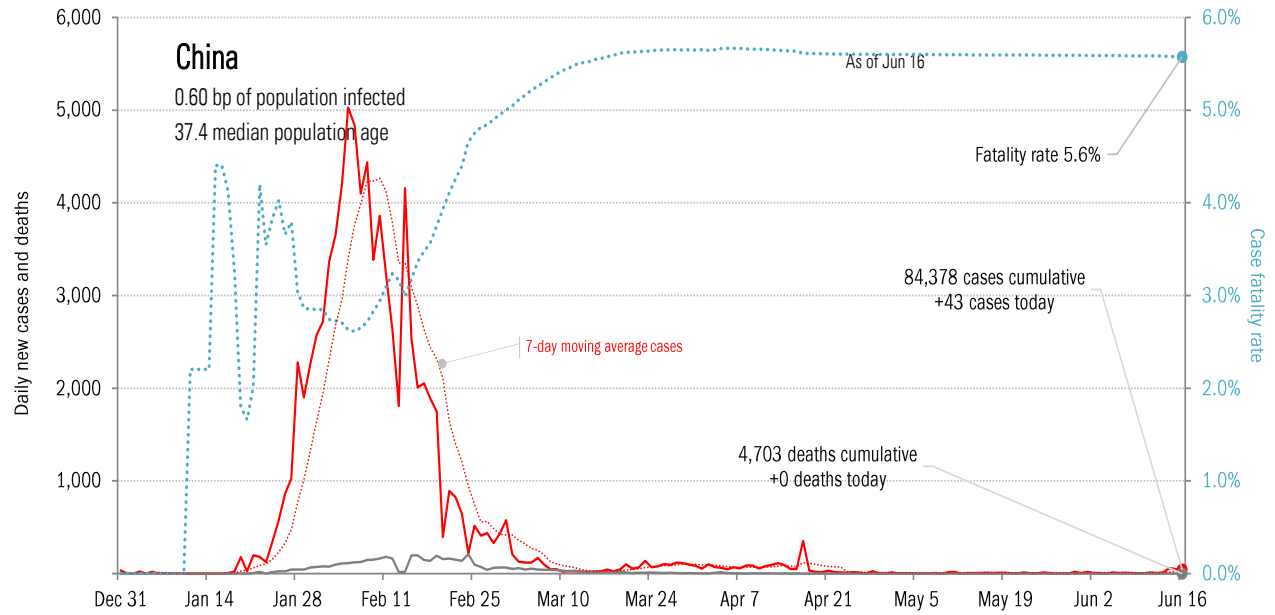
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



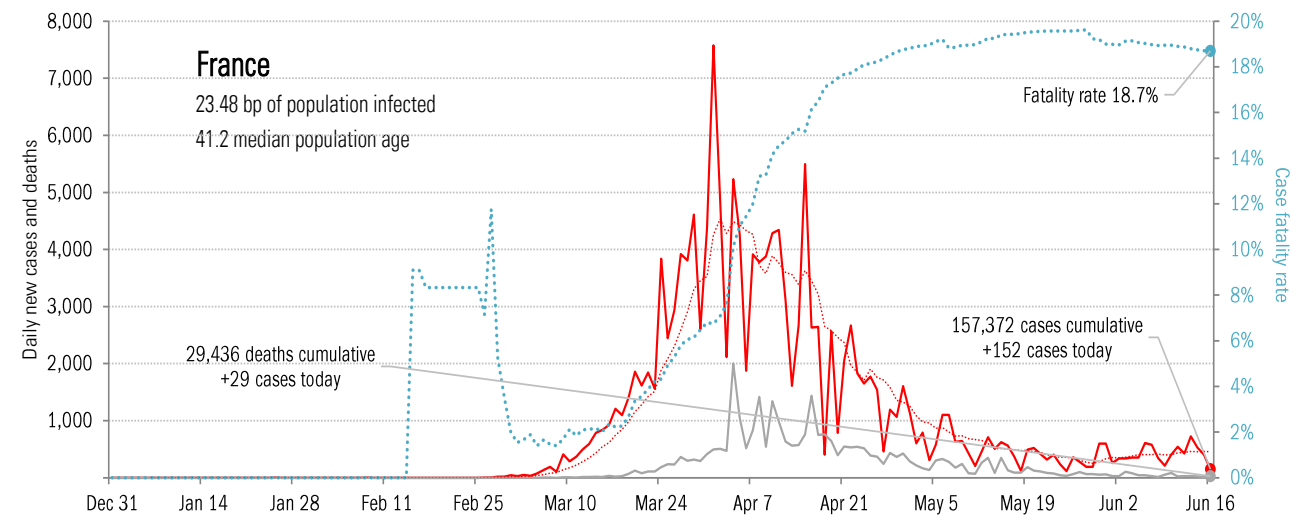
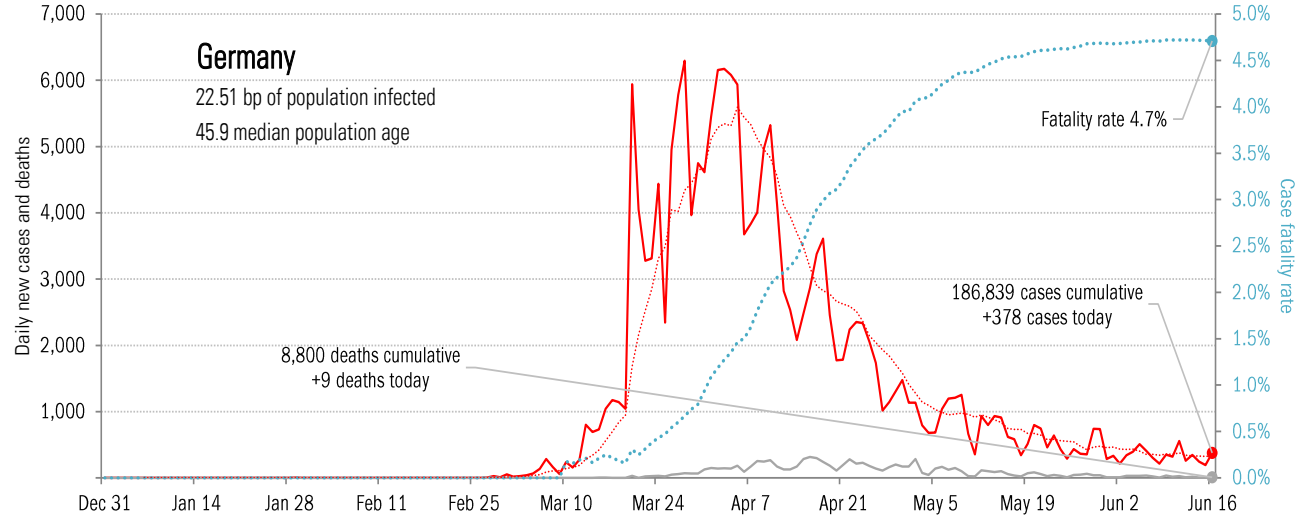
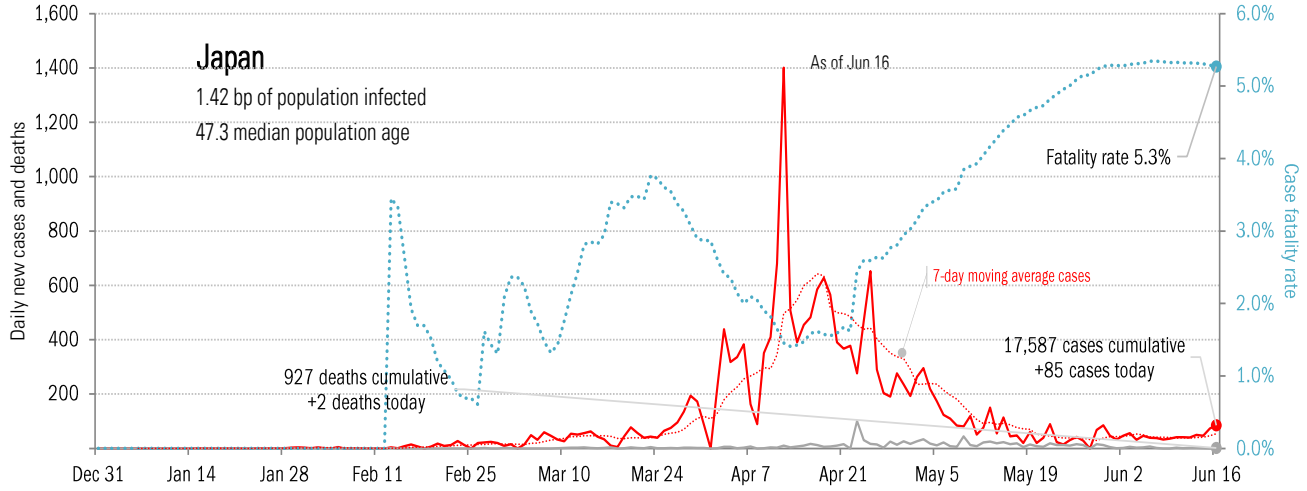
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



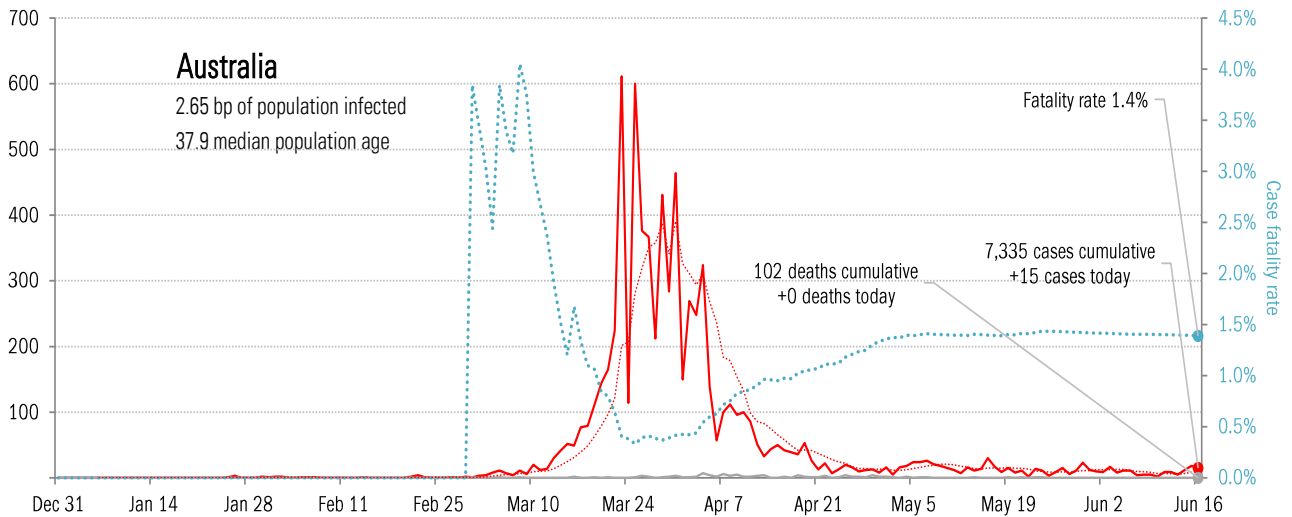
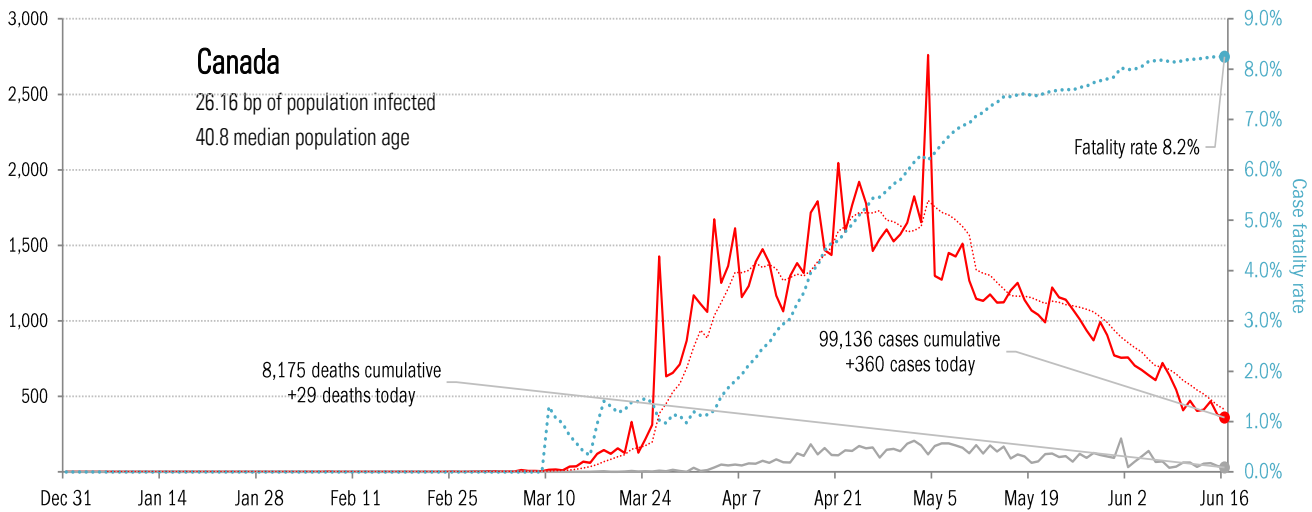
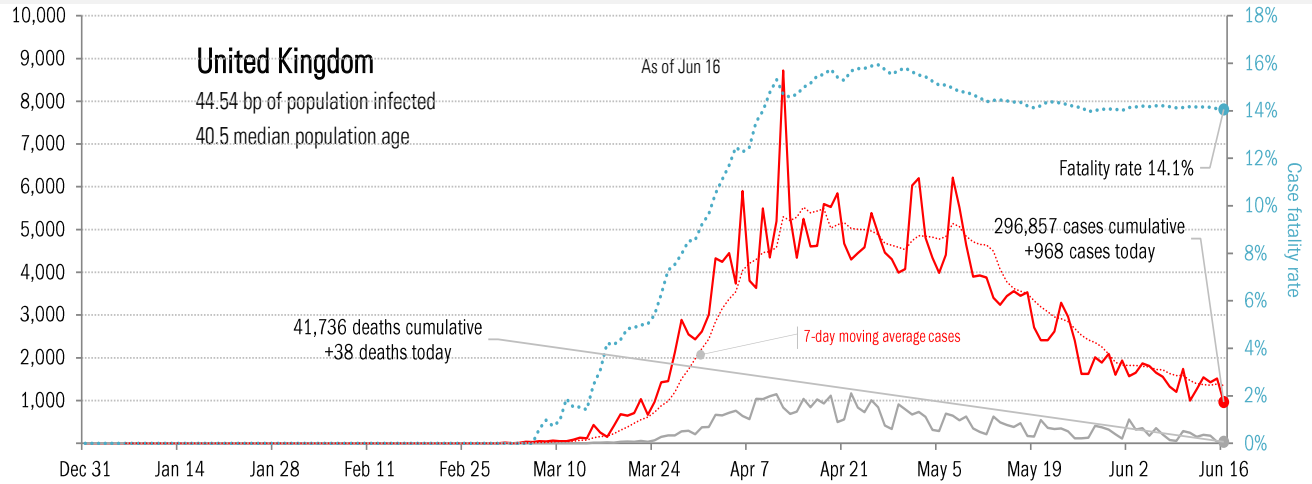
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



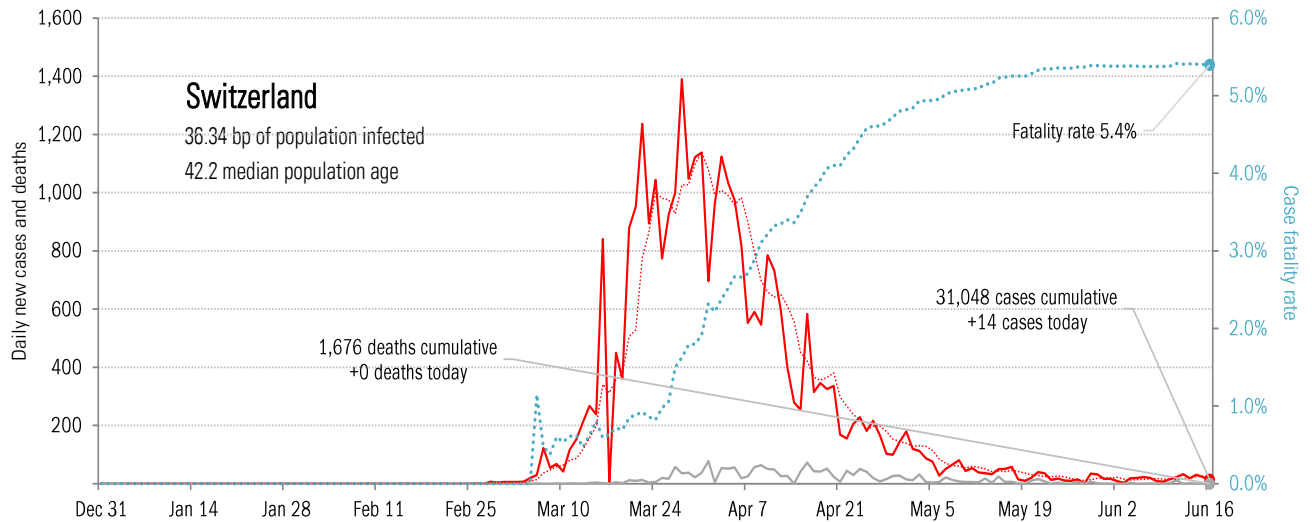
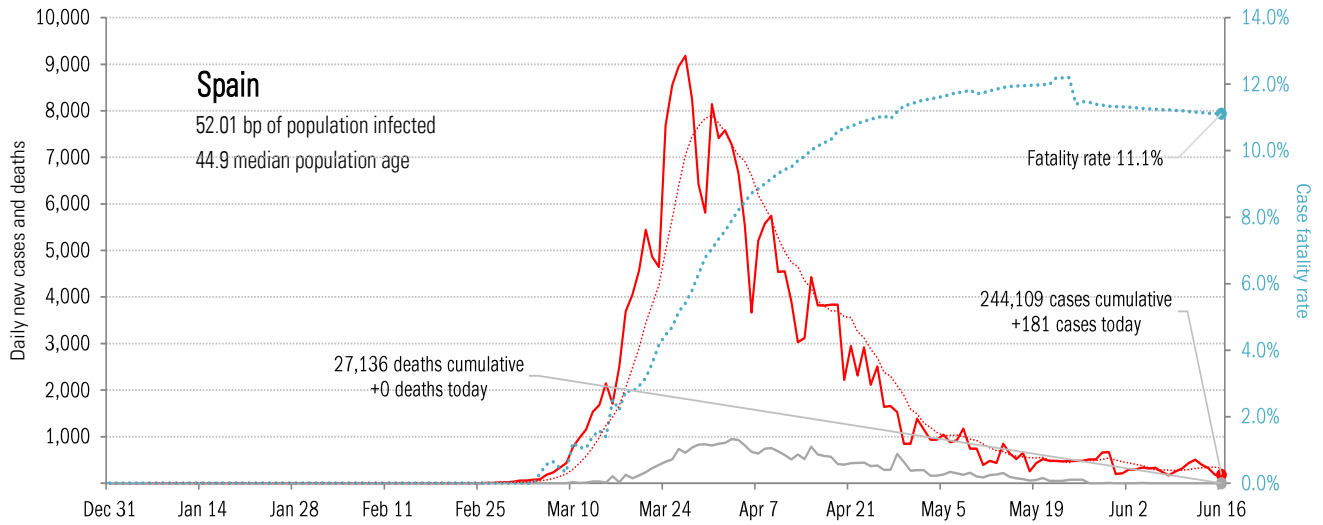
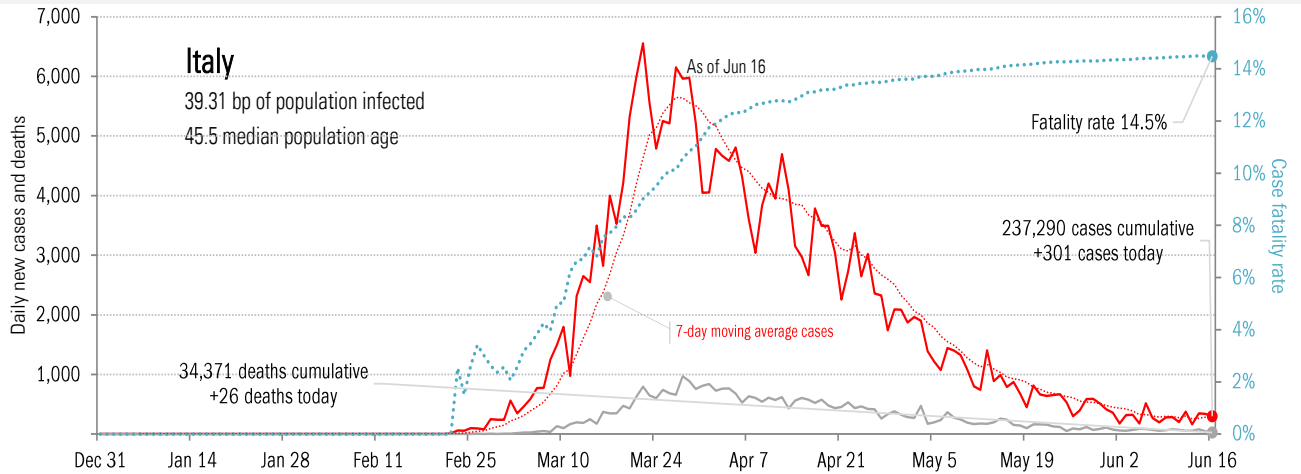
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



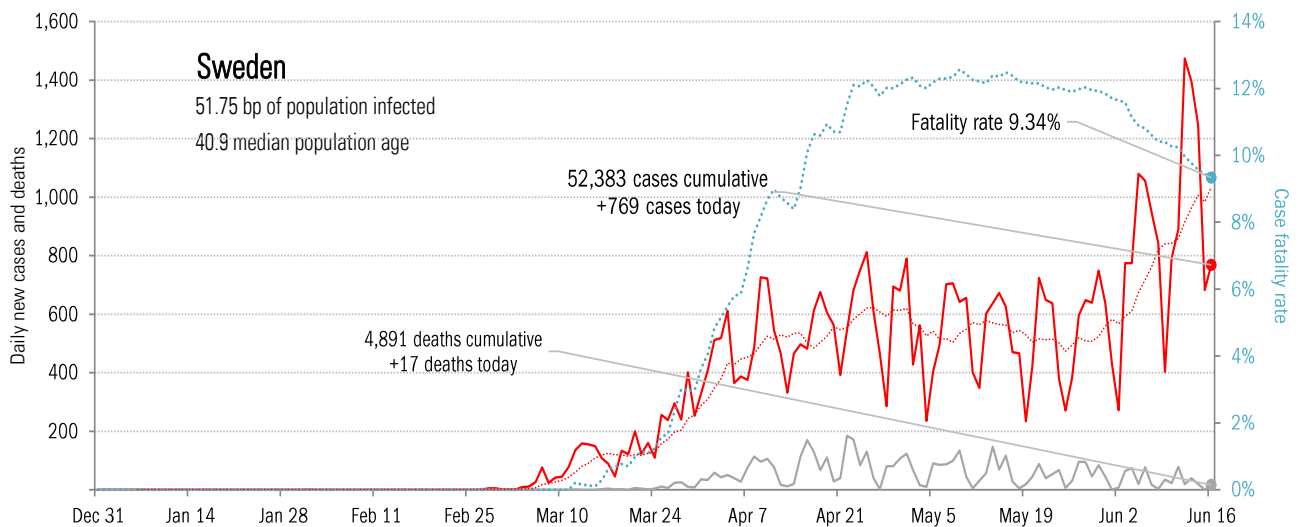
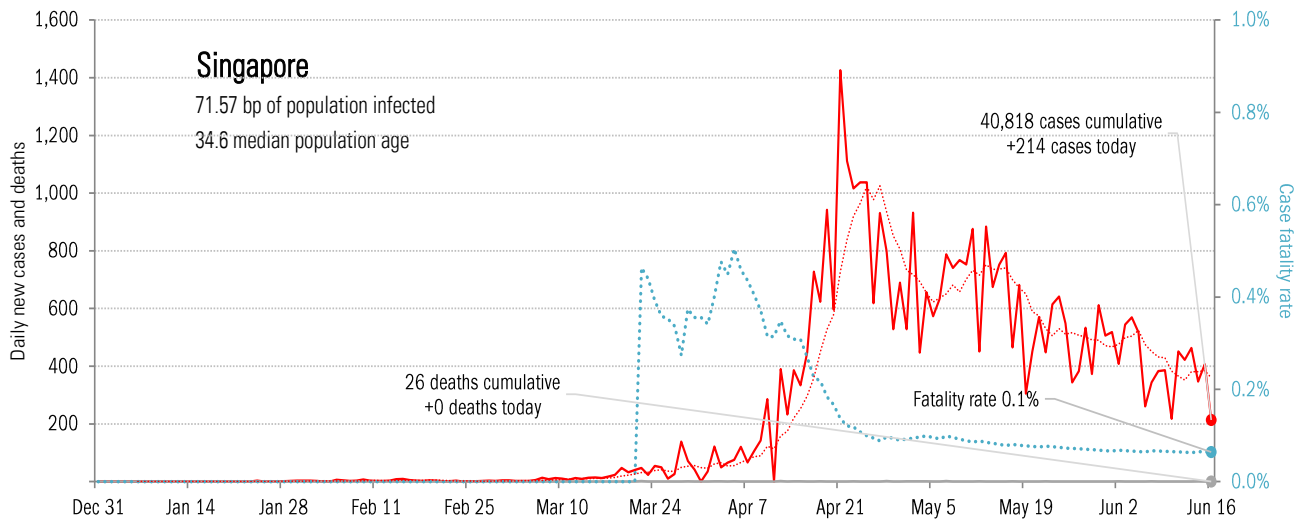
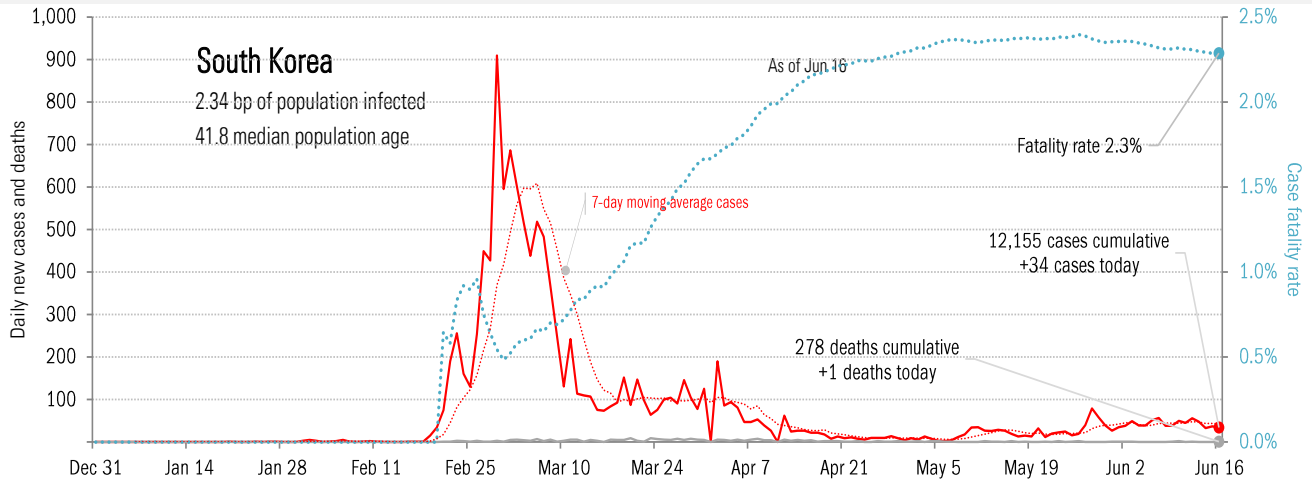
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



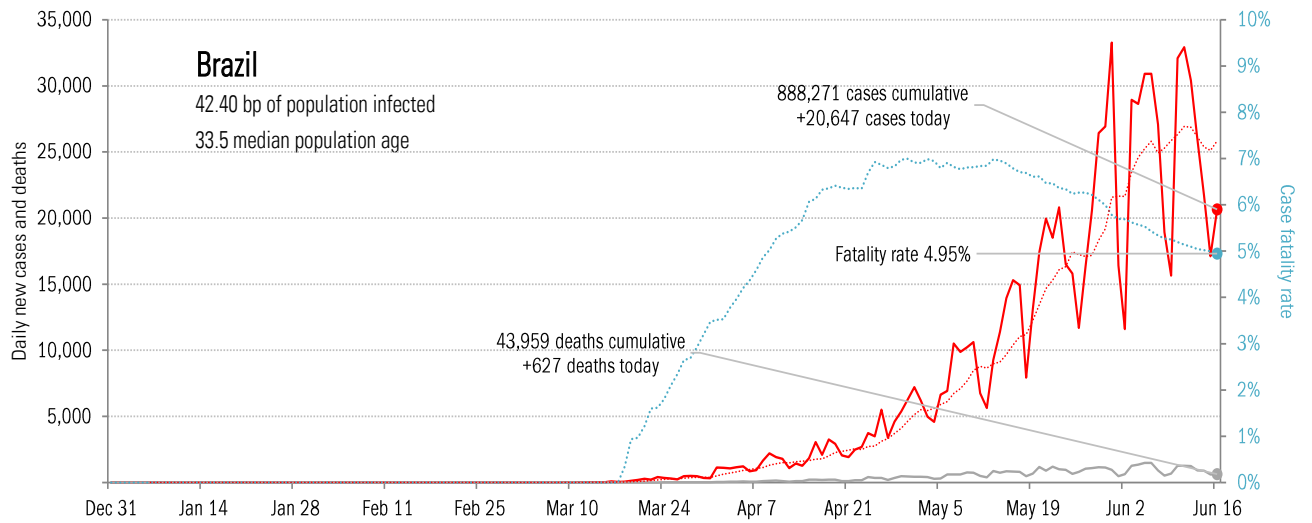
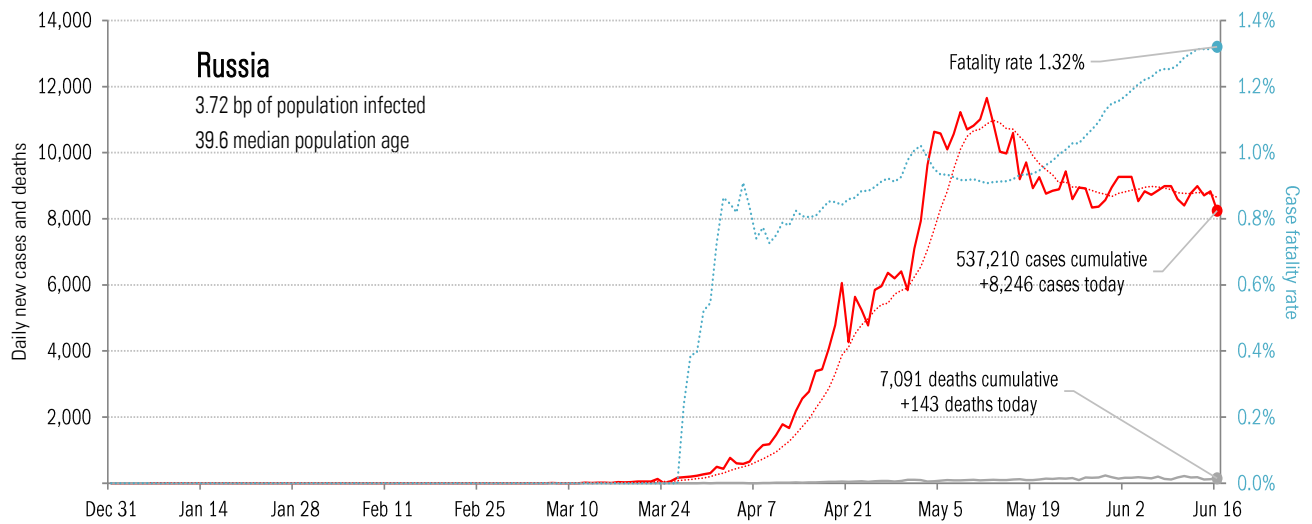
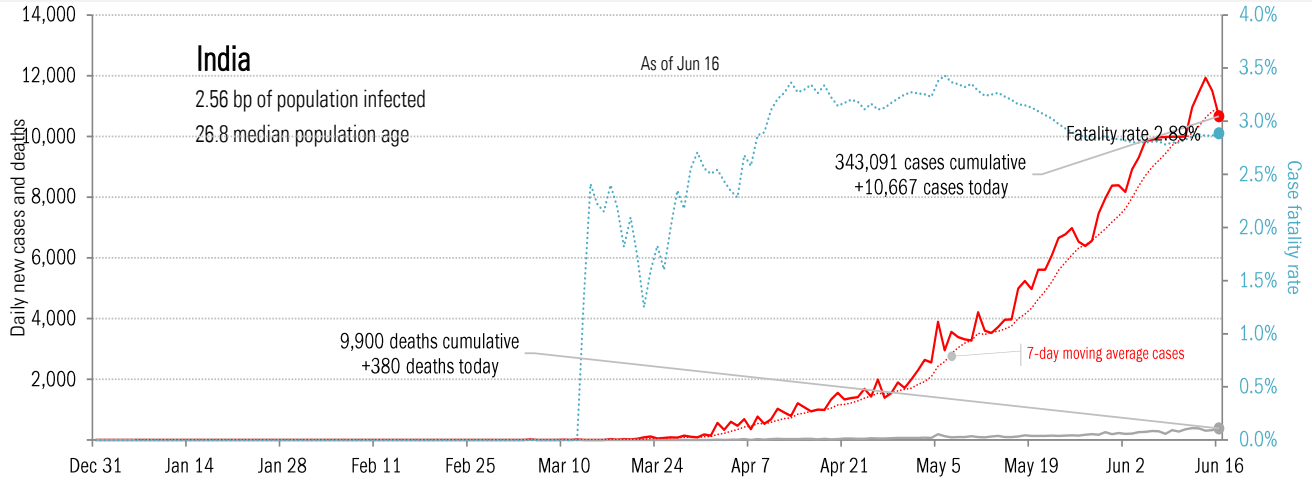
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



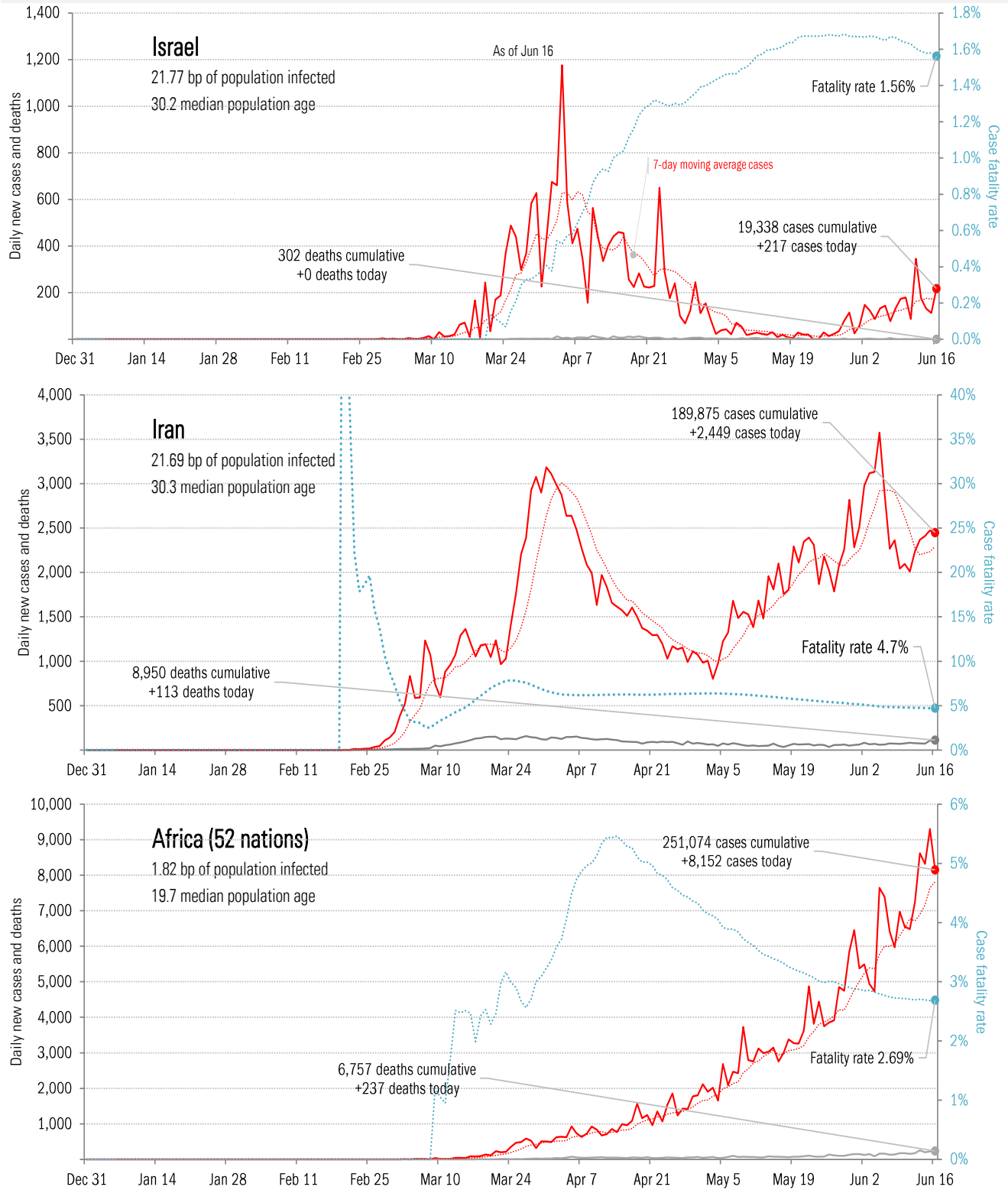
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations