

Data Insights: Covid-2019 Monitor

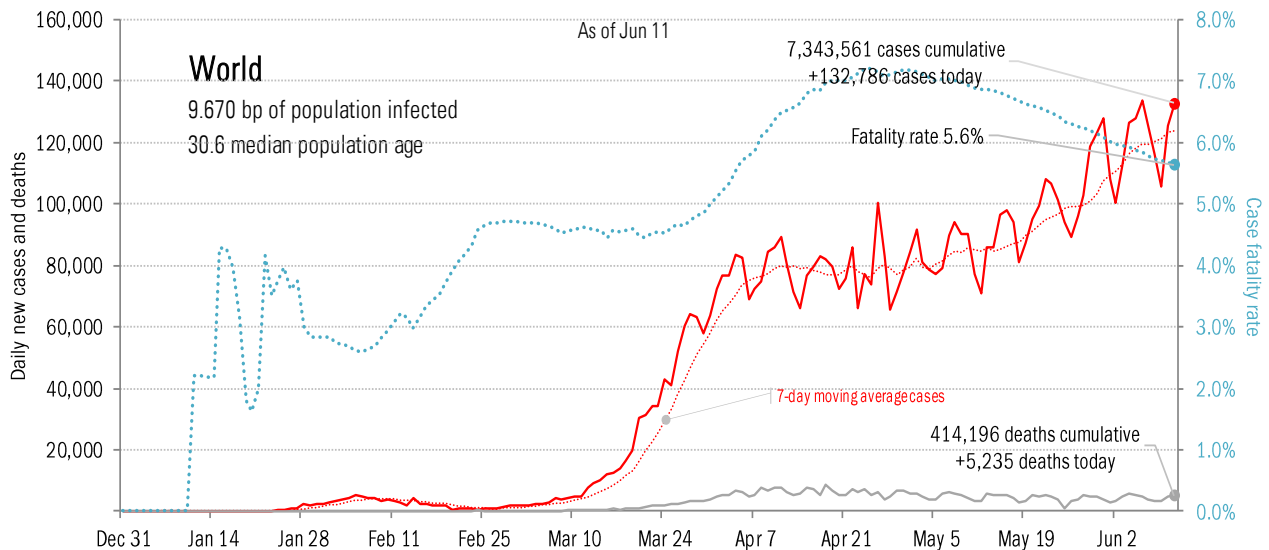
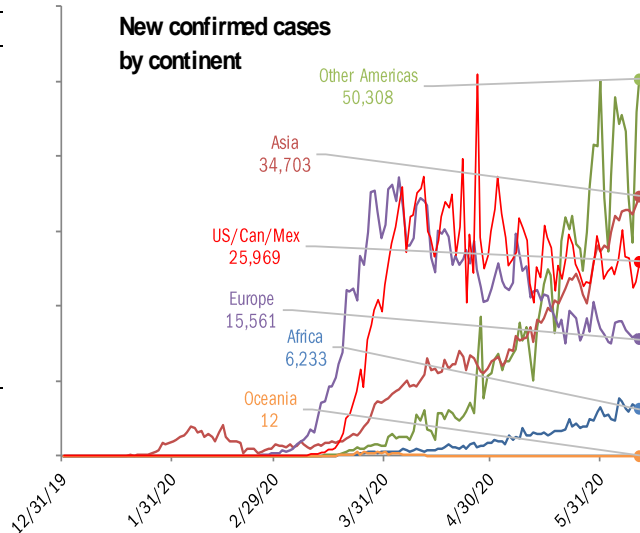
Thursday, June 11, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+ 32,913	Brazil	+ 1,274
US	+ 20,614	US	+ 918
India	+ 9,996	Mexico	+ 708
Russia	+ 8,404	India	+ 357
Pakistan	+ 5,834	UK	+ 245
Chile	+ 5,737	Russia	+ 217
Peru	+ 5,087	Chile	+ 192
Mexico	+ 4,883	Peru	+ 165
Saudi	+ 3,717	Pakistan	+ 101
Bangladesh	+ 3,190	Iran	+ 81
+ 100,375		+ 4,258	
World + 132,786		World + 5,235	
Top ten 76%		Top ten 81%	

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

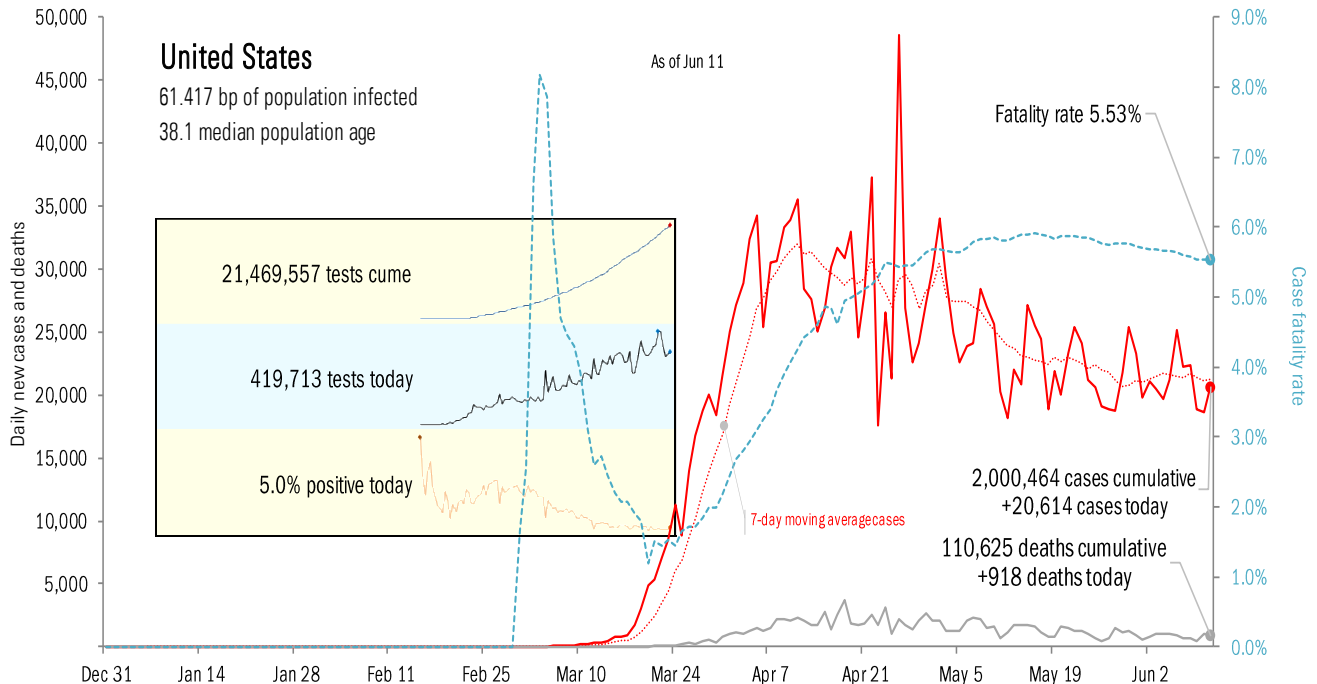
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+2,702	CA	+79	CO	+166	NY	380,156	NY	24,404	NY	89,995
TX	+2,504	IL	+77	FL	+161	NJ	165,346	NJ	12,377	NJ	18,223
AZ	+1,556	NJ	+74	NJ	+154	CA	136,191	MA	7,454	FL	11,621
FL	+1,371	NY	+56	VA	+135	IL	130,561	IL	6,273	MA	10,582
NC	+1,011	PA	+48	GA	+102	MA	104,156	PA	6,062	MD	9,755
GA	+731	MA	+46	MD	+79	TX	79,757	MI	5,955	CT	9,669
MS	+715	GA	+44	MS	+79	PA	77,466	CA	4,776	GA	8,974
NY	+674	MIN	+39	MA	+75	FL	67,371	CT	4,120	VA	7,981
IL	+625	FL	+38	CH	+73	MI	65,182	LA	2,968	CH	6,693
AL	+567	CH	+36	AZ	+70	MD	59,465	FL	2,889	IN	6,261
+12,456		+537		+1,094		1,265,651		77,278		179,754	
All states	+20,931	All states	+889	All states	+1,513	All states	1,991,527	All states	106,870	All states	220,602
Top ten	60%	Top ten	60%	Top ten	72%	Top ten	64%	Top ten	72%	Top ten	81%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
MI	-401	MI	-36	CO	-208	AL	+2,113
IL	-172	GA	-33	SC	-84	TX	+1,309
TN	-145	IL	-17	GA	-24	PA	+890
LA	-144	FL	-15	FL	-17	IN	+586
NV	-110	NJ	-15	IN	-10	TN	+503



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

Recommended reading

[Did the Wisconsin Supreme Court Restart a COVID-19 Epidemic? Evidence from a Natural Experiment](#)

Dhaval M. Dave et al.
NBER
June 2020

[Second U.S. Virus Wave Emerges as Cases Top 2 Million](#)

Emma Court and David R Baker
Bloomberg
June 10, 2020

[A Message from the Office of the Mayor](#)

Keith Pekau
Village of Orland Park, Illinois
June 8, 2020

[They Blinded Us With "Science"](#)

John Tierney
City Journal
June 7, 2020

[In Texas, COVID-19 case totals and hospitalizations are rising. The state says prisons and meatpacking plants are key factors.](#)

Carla Astudillo, Jolie McCullough And Mandi Cai
Texas Tribune
June 8, 2020

[Coronavirus lockdown — How many harmed by disruption to routine medical care?](#)

Sally Pipes
Fox News
June 9, 2020

[The Impact of Covid-19 on Small Business Owners: Evidence of Early-Stage Losses from the April 2020 Current Population Survey](#)

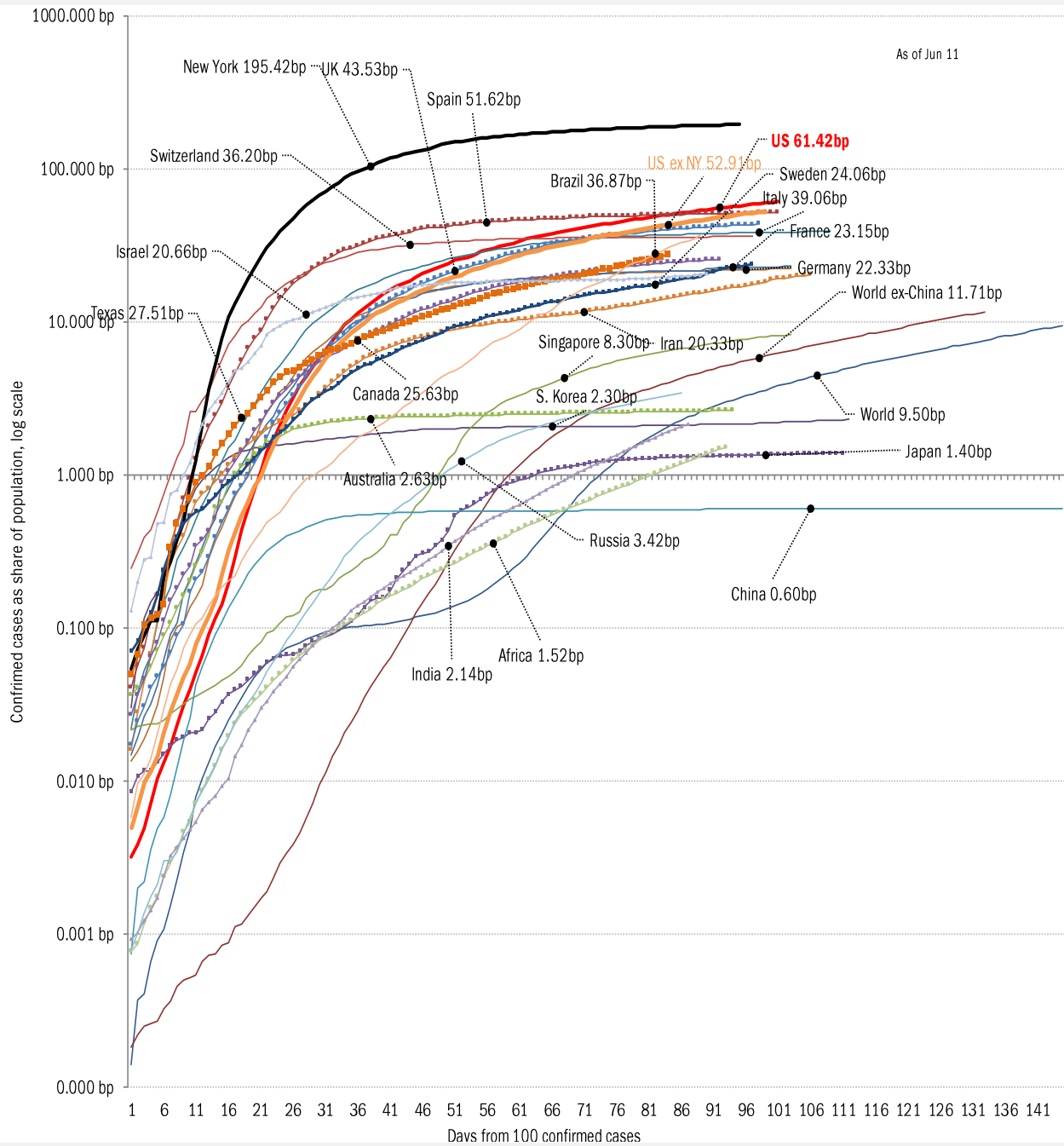
Robert Fairlie
NBER
June 2020

Meme of the day



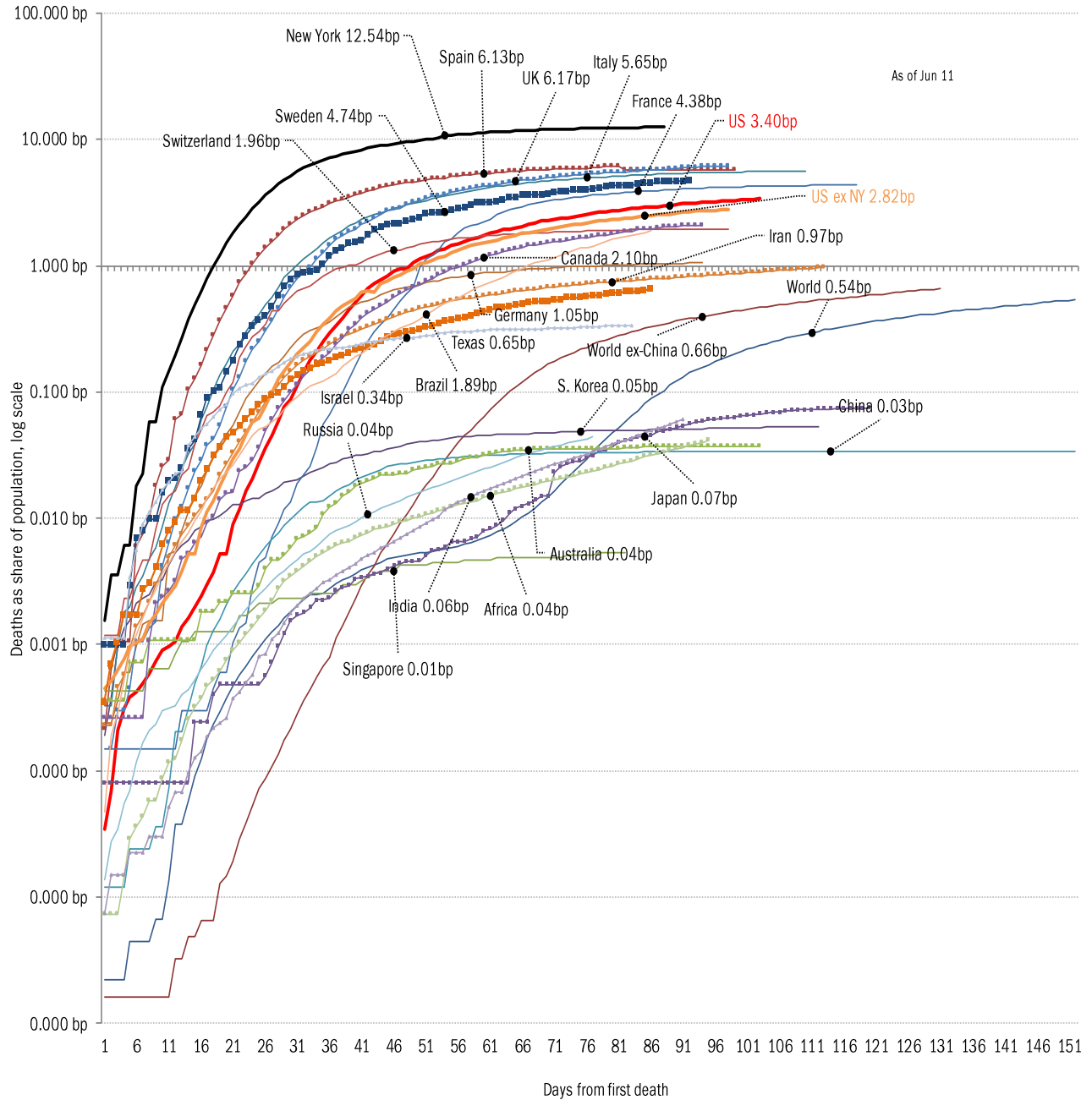
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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

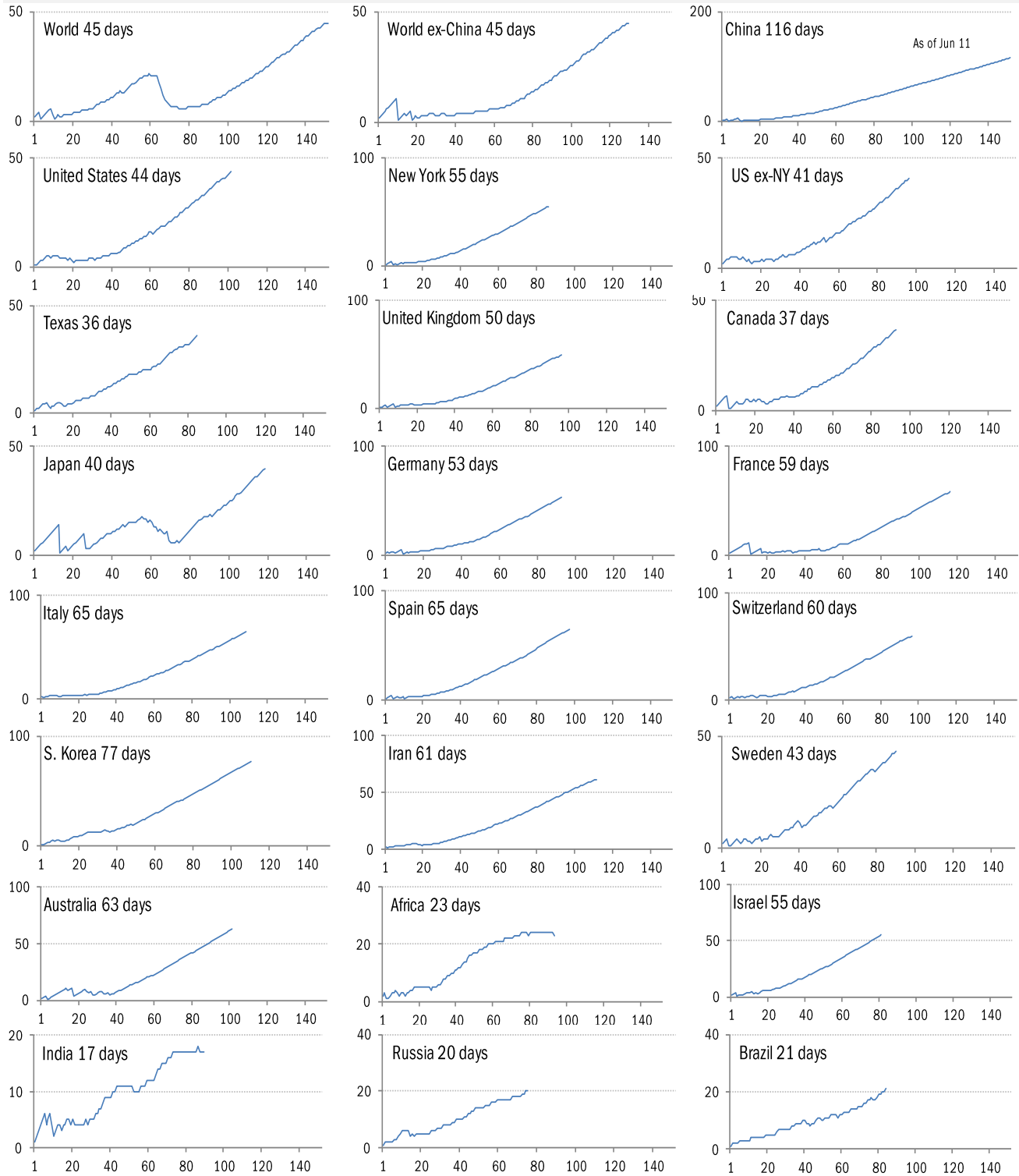
The coronavirus mortality accelerometer ... tracking the world's fatality curves
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

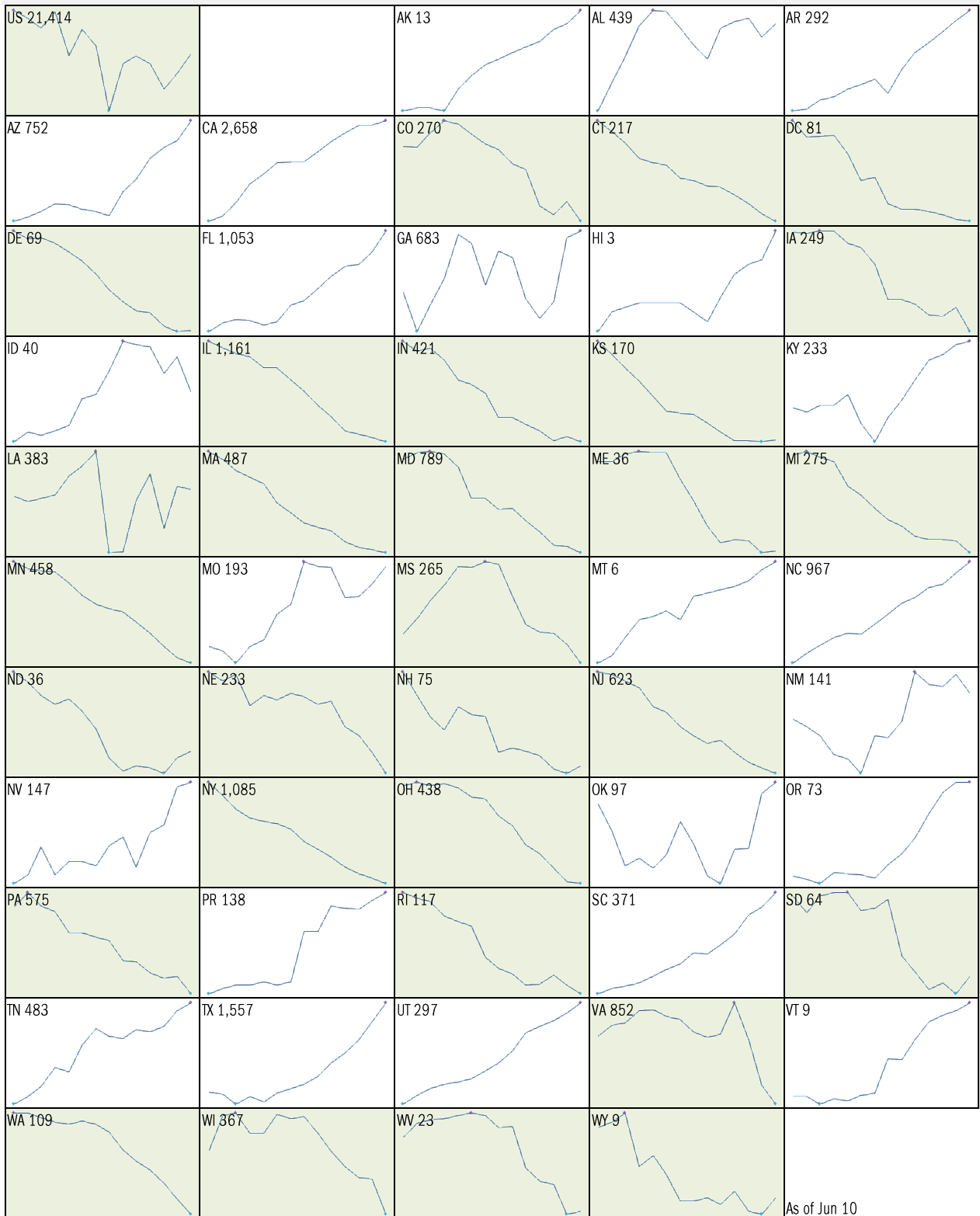
Our most reliable evidence of slowing exponential growth of Covid-2019

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



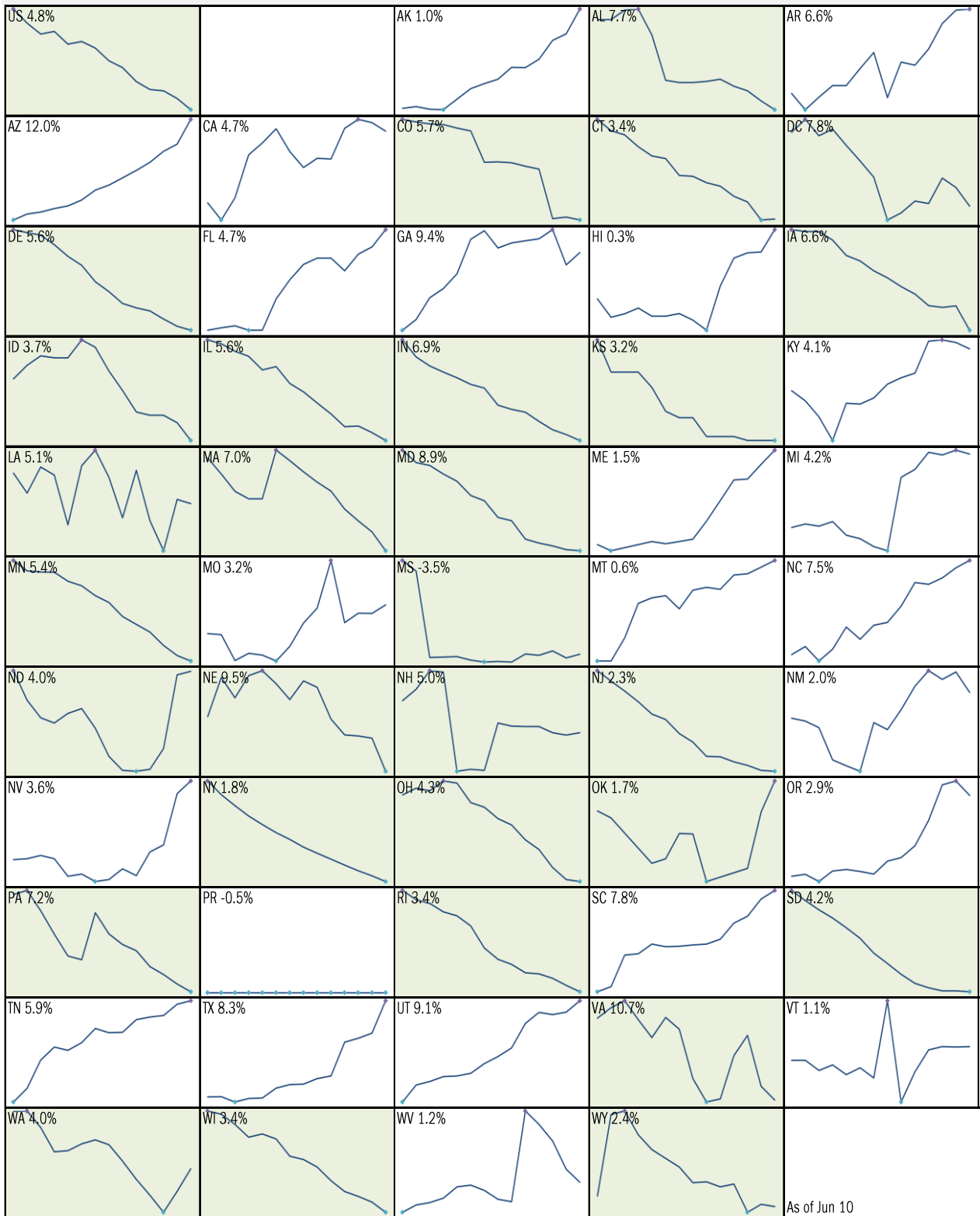
Source: [ECDC](#), TrendMacro calculations

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



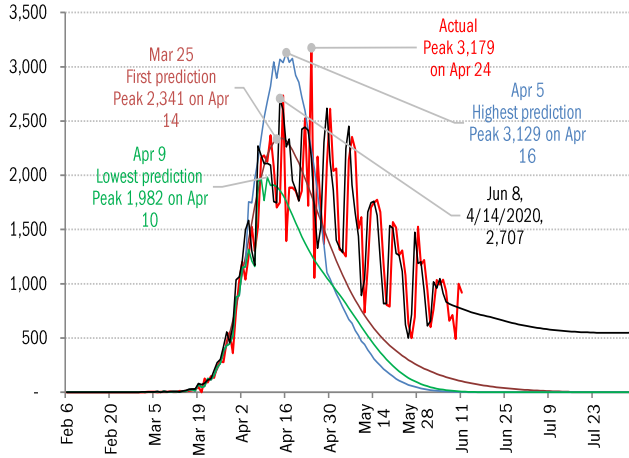
Source: [Covid Tracking Project](#), TrendMacro calculations

Reality-checking the models: actuals *versus* IHME predictions

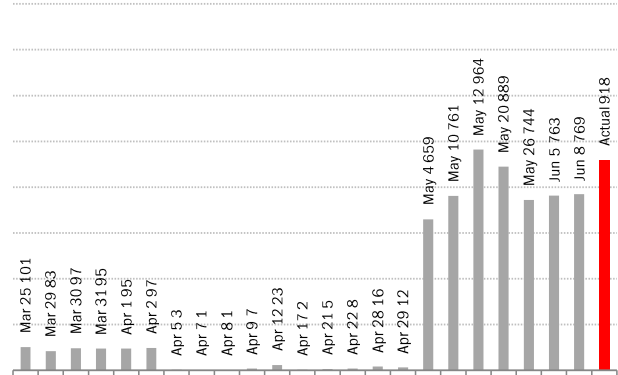
New daily fatalities

As of Jun 11

Actual versus first, highest and latest model mean predictions

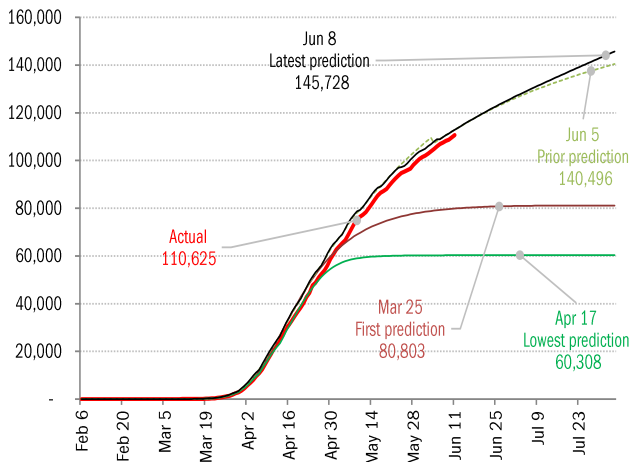


For this day, versus all model mean predictions

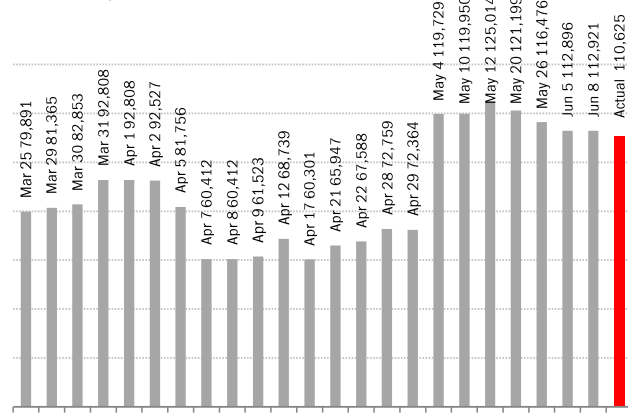


Cumulative fatalities

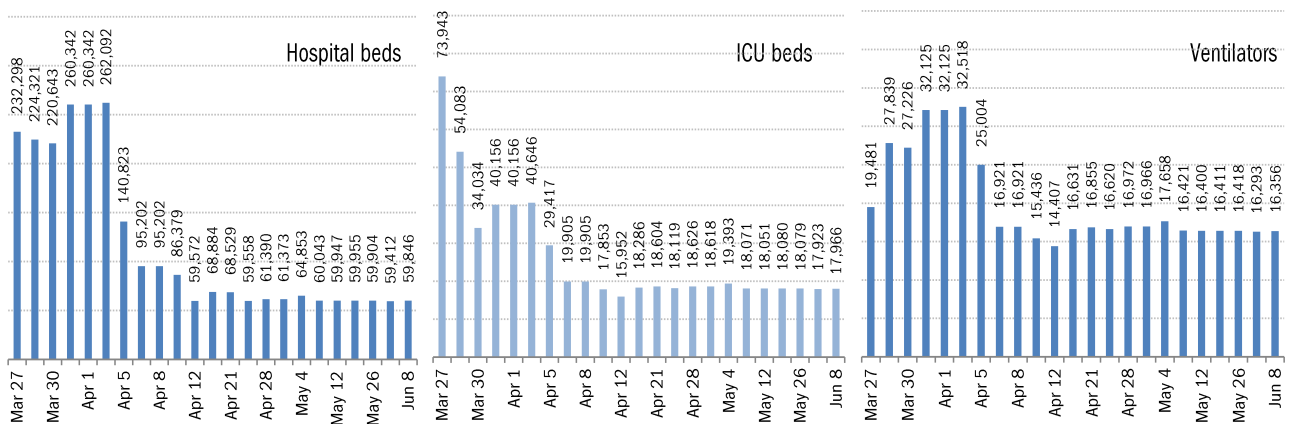
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

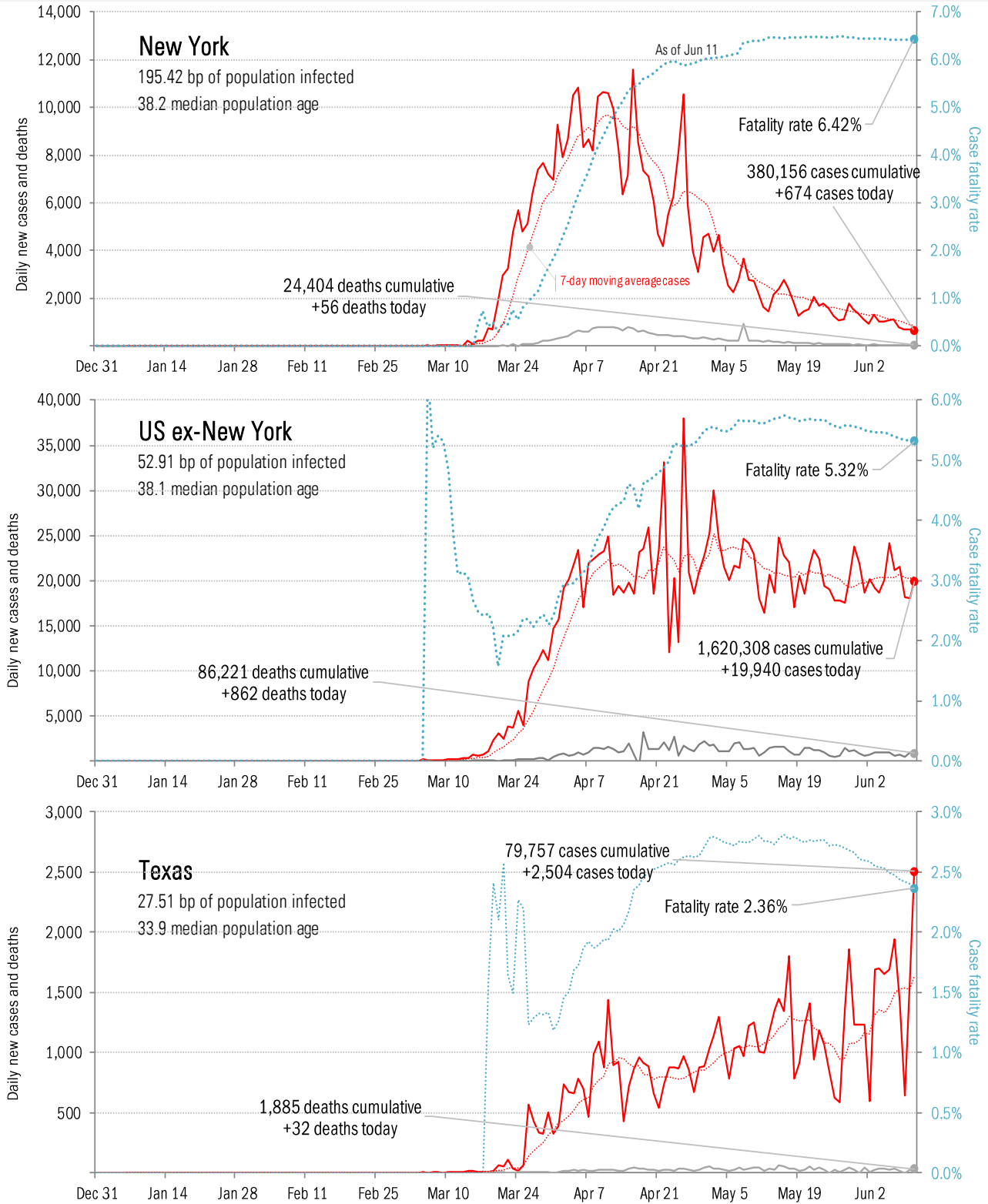


Healthcare system stress, peak estimated at each model revision



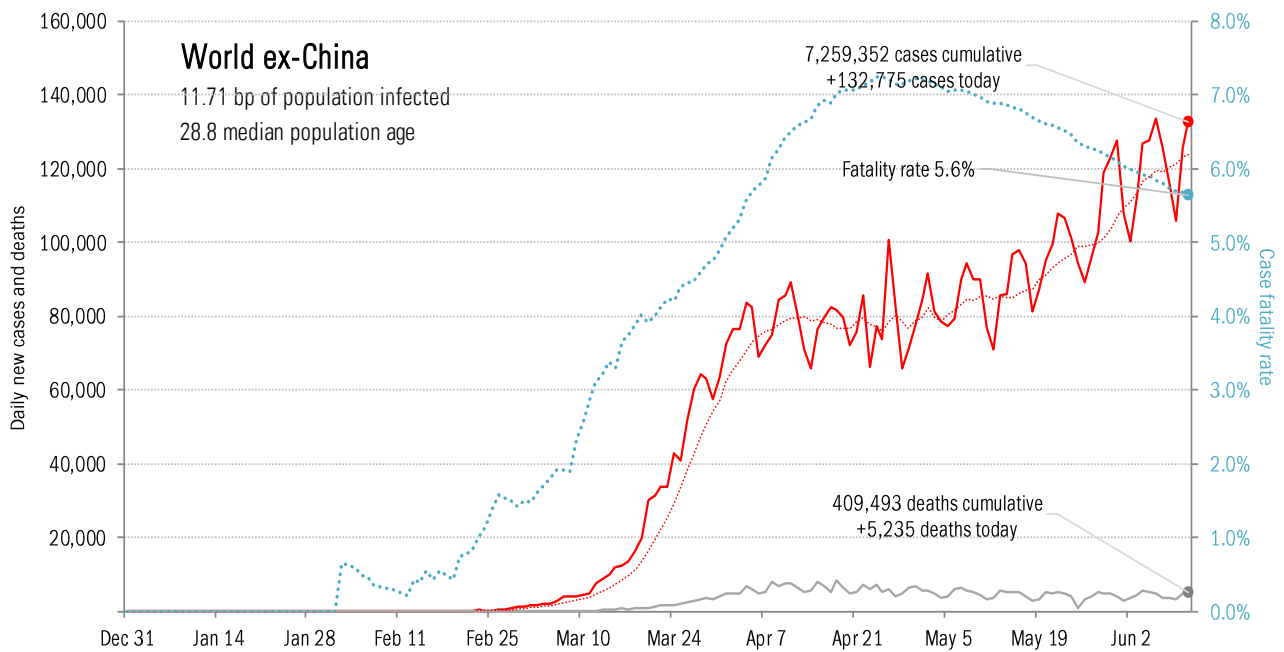
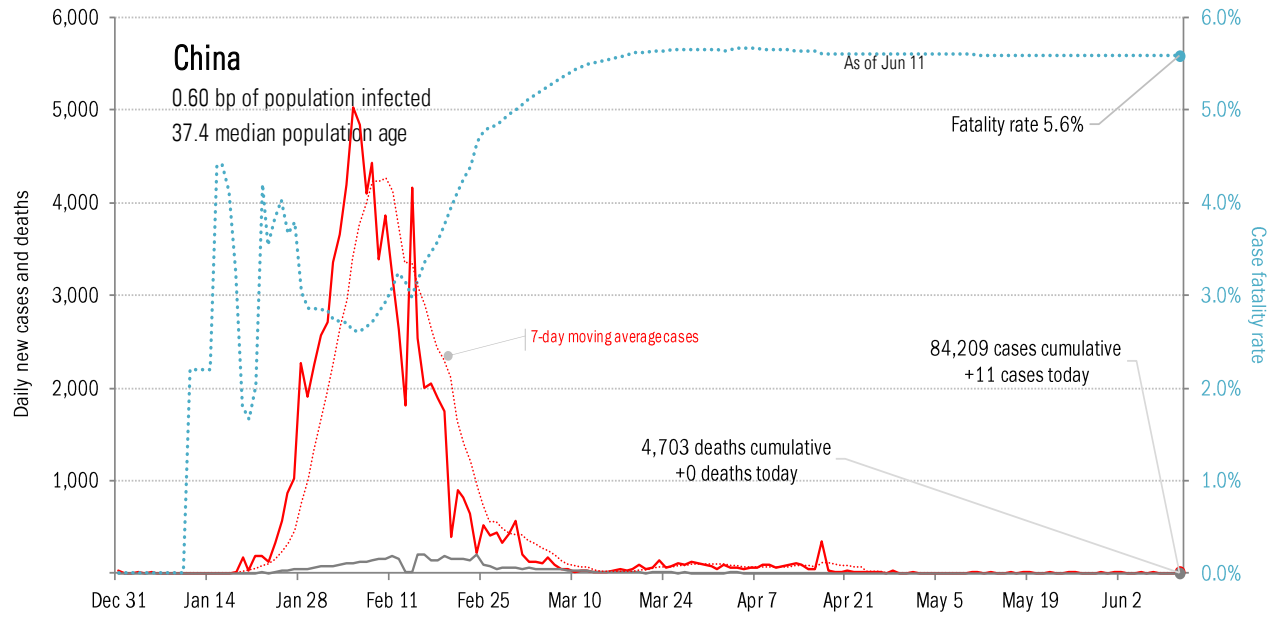
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



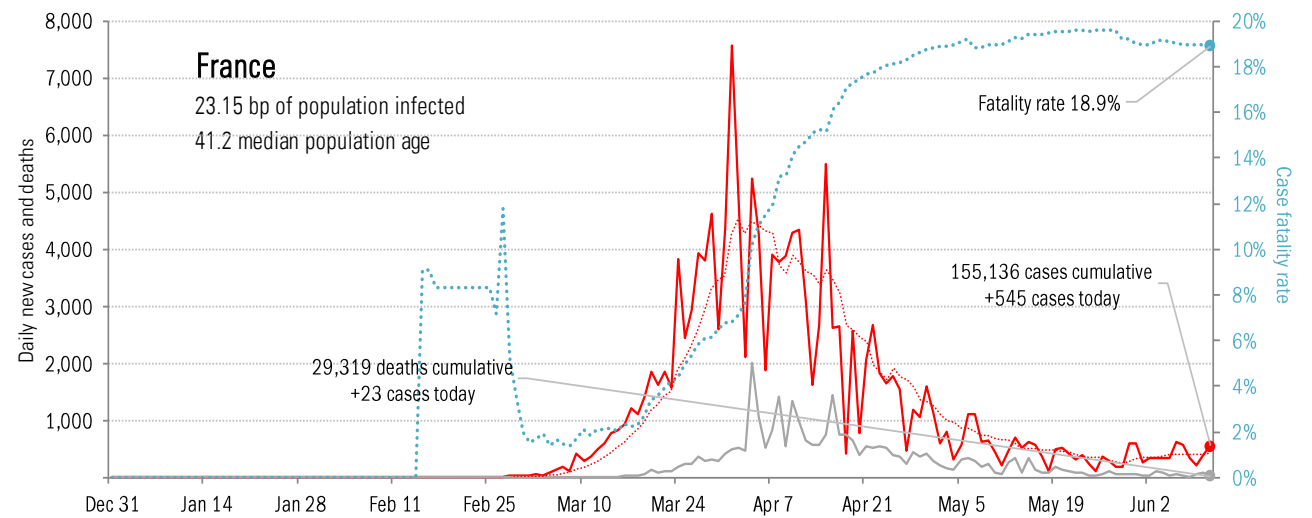
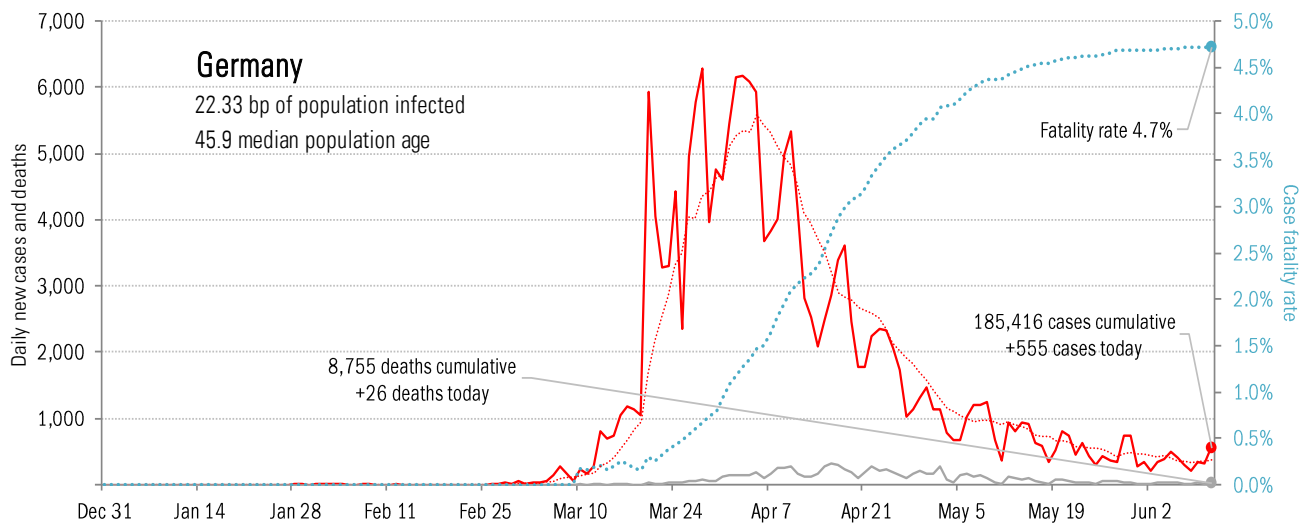
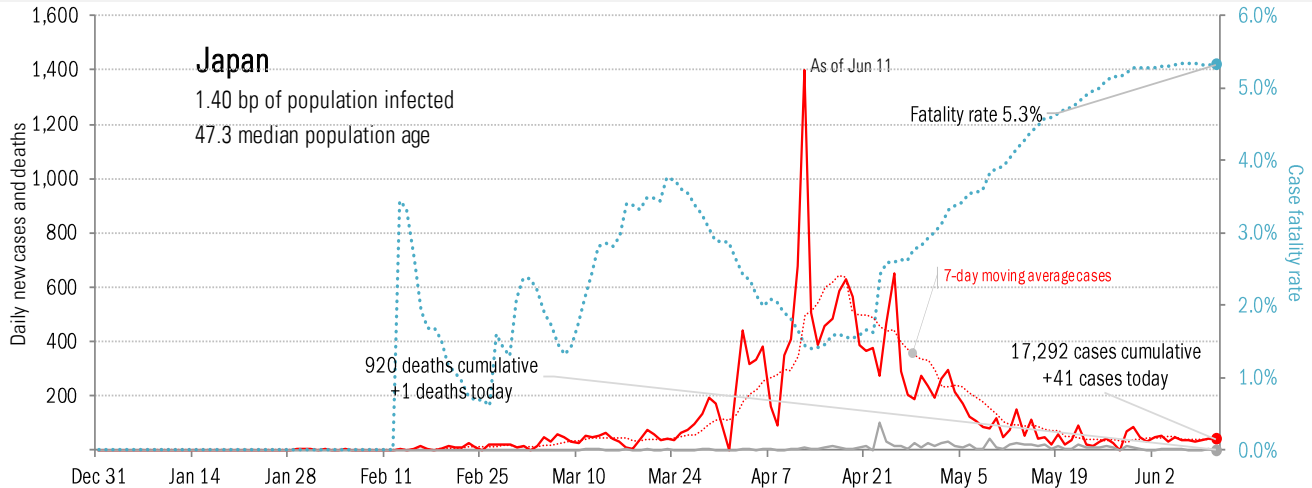
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



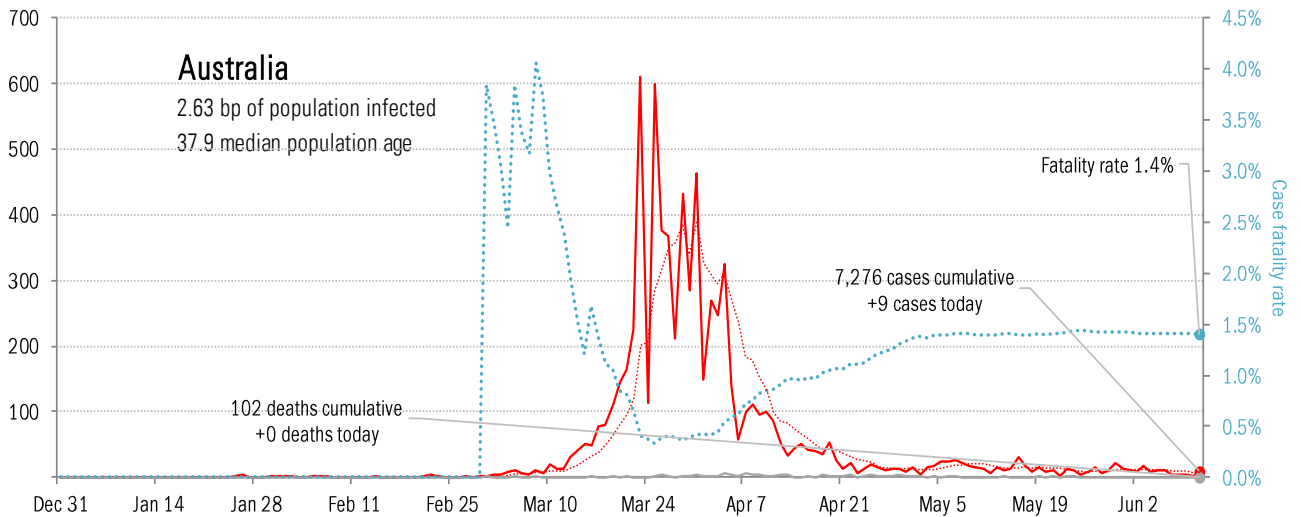
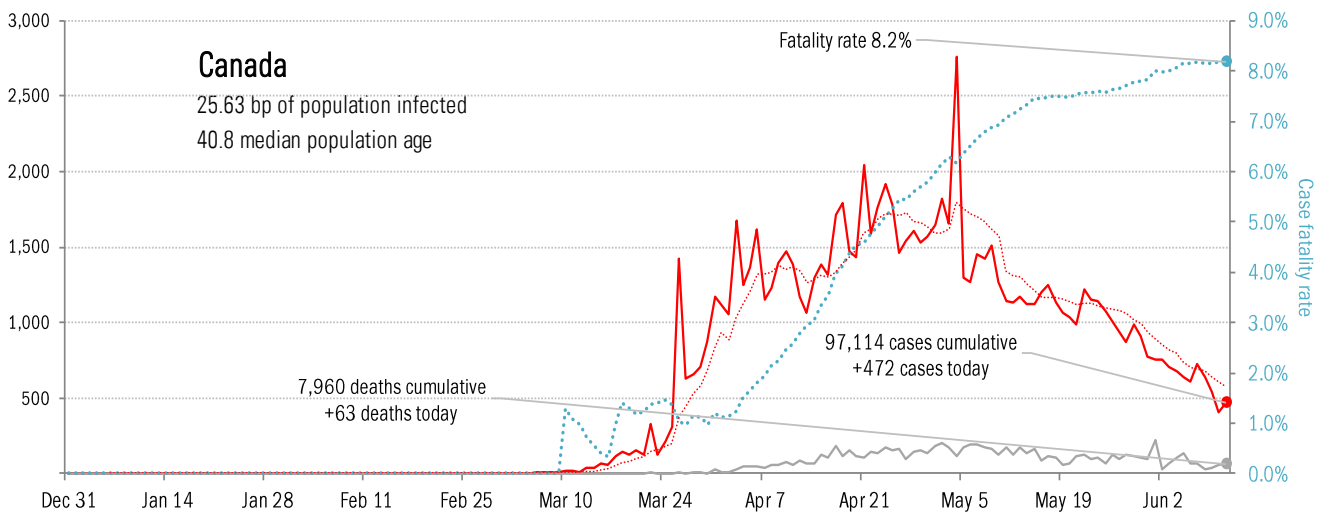
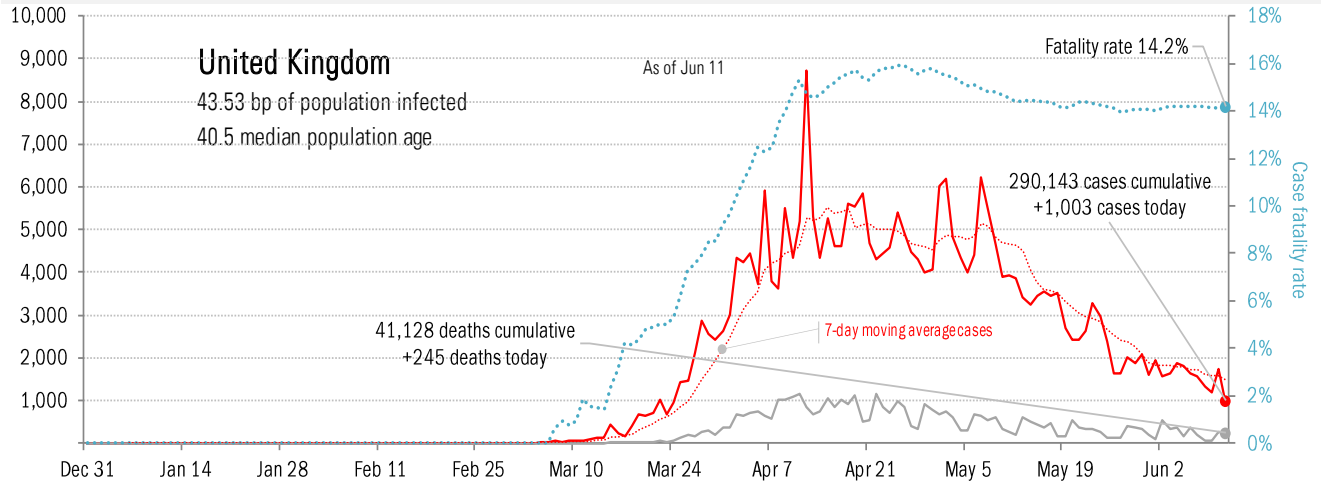
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



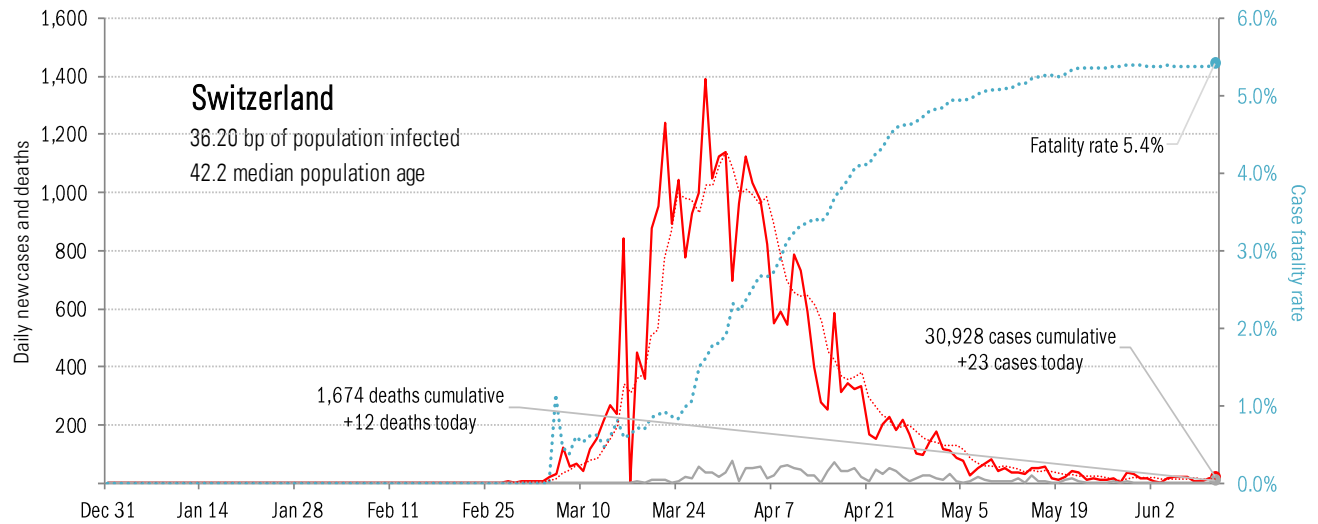
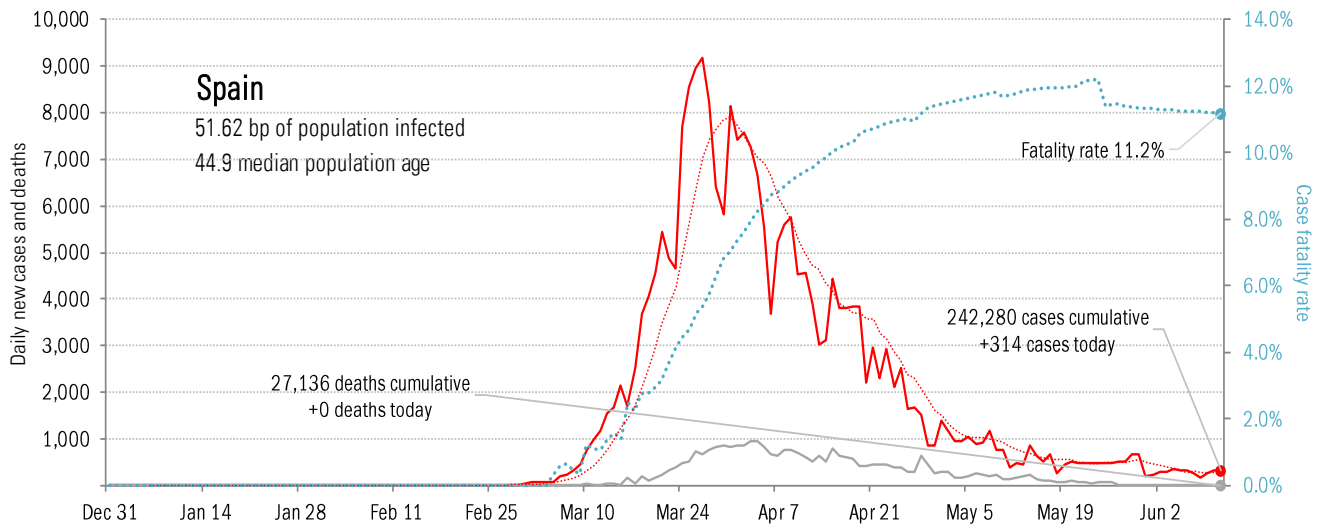
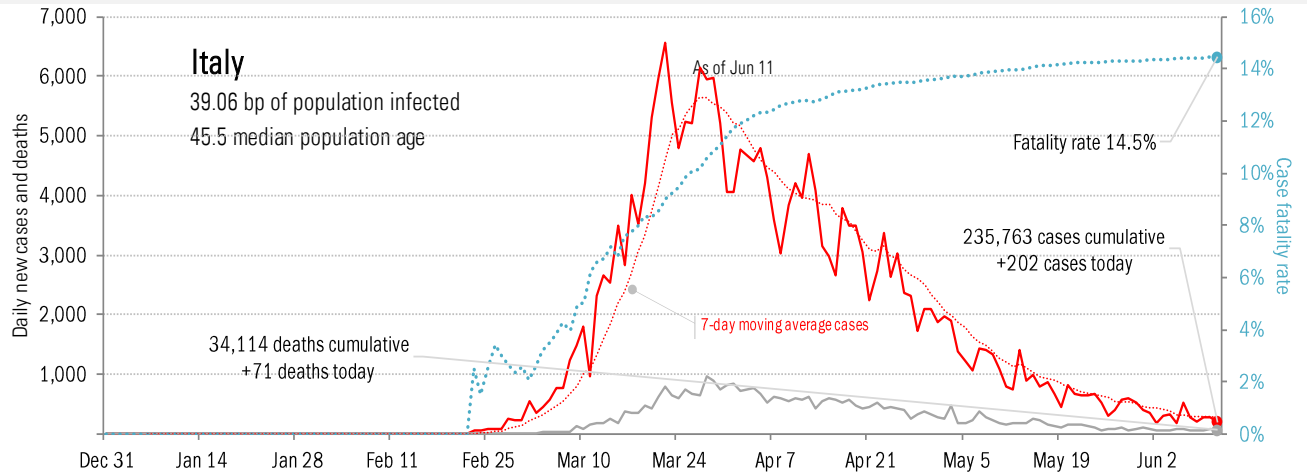
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



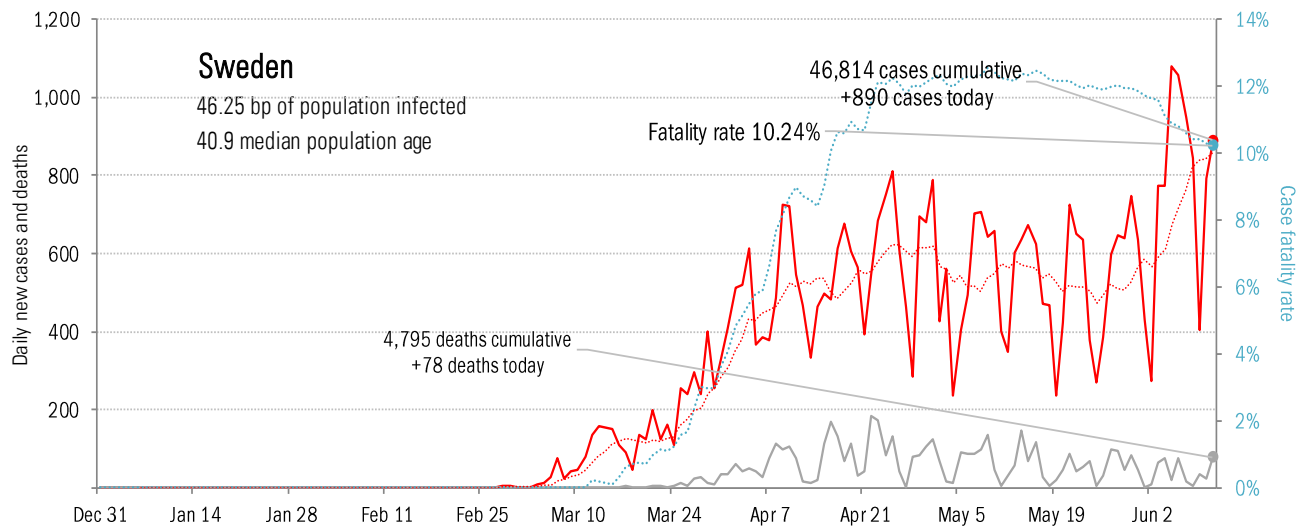
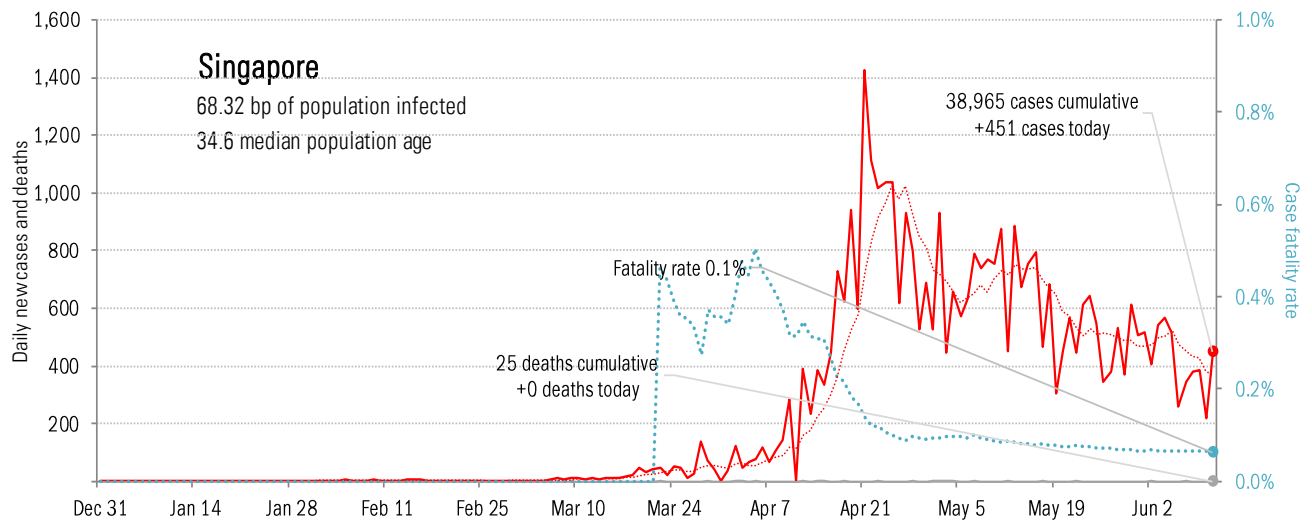
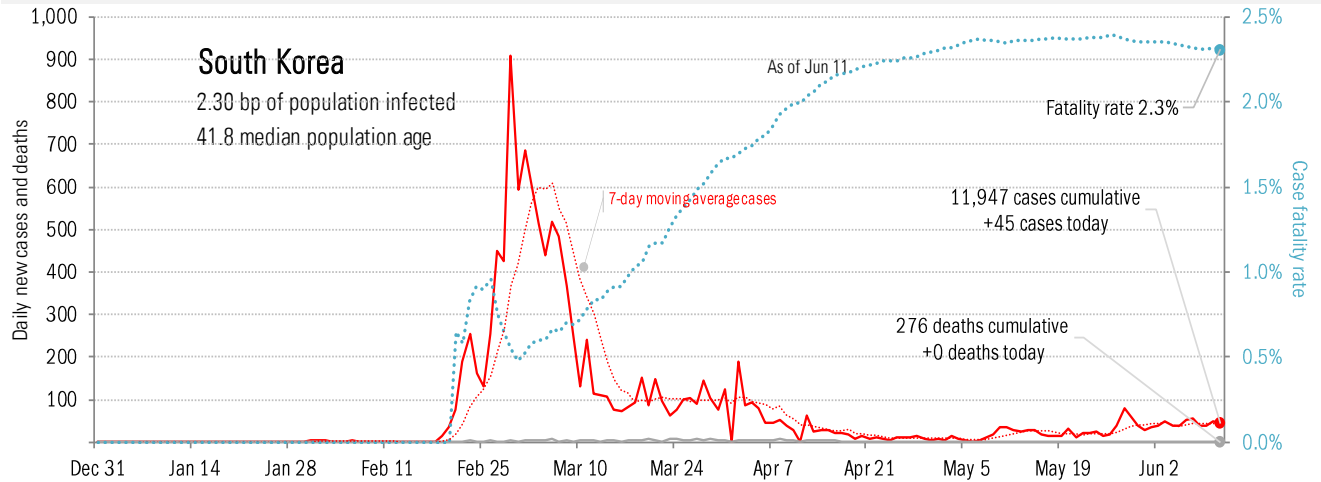
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



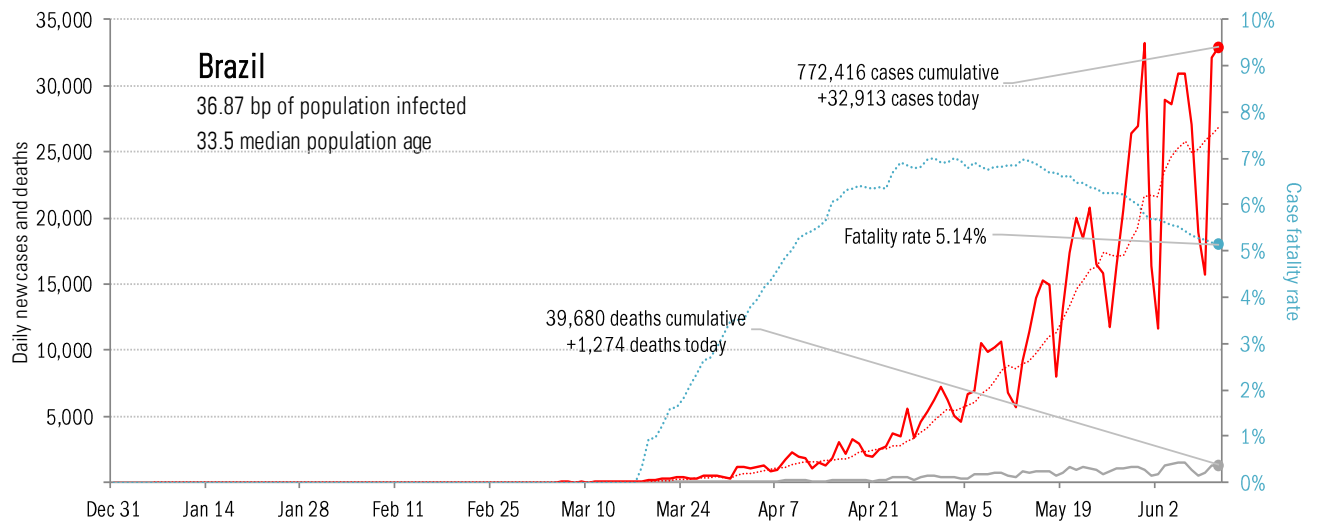
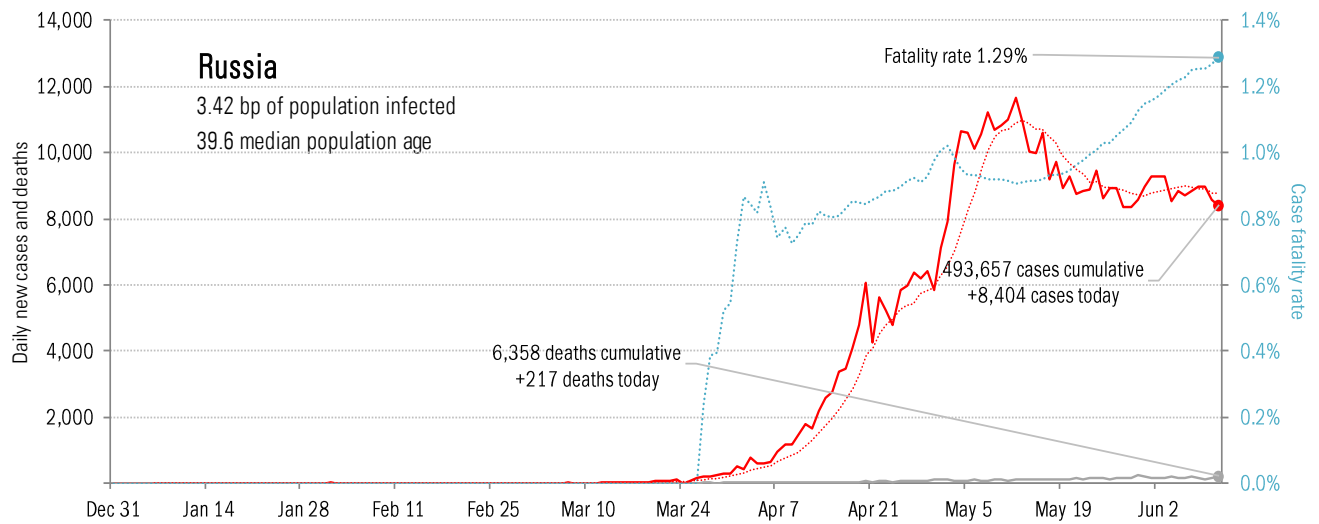
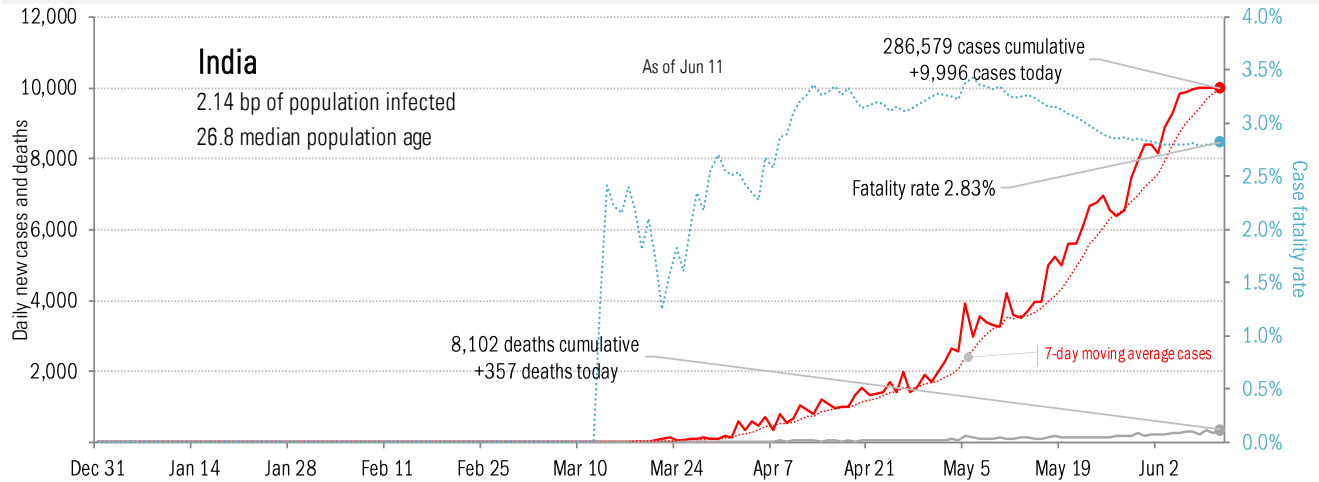
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



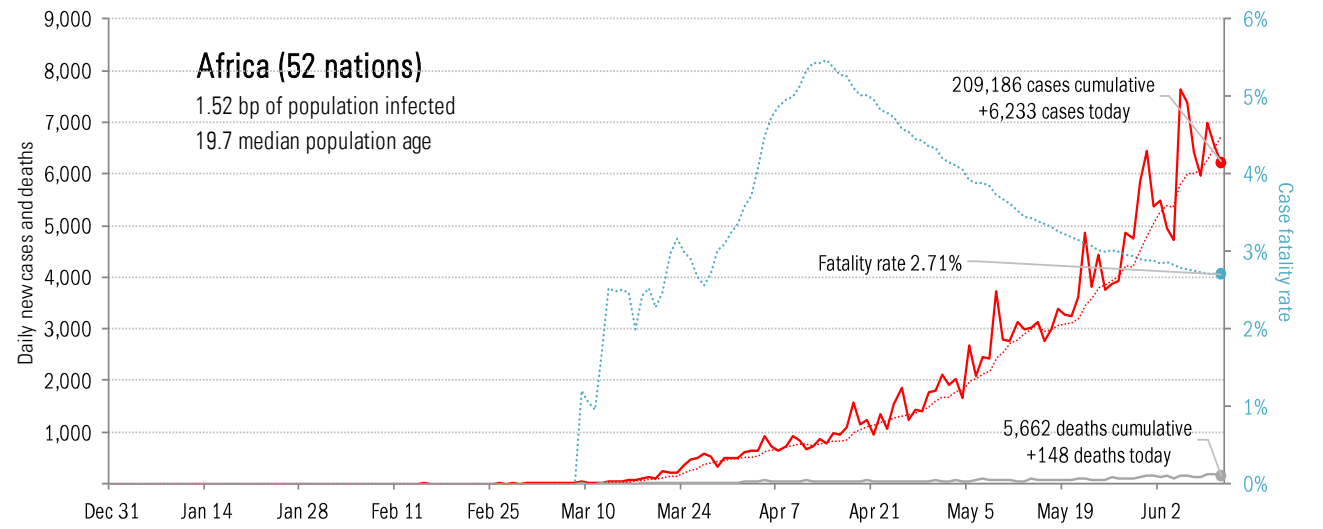
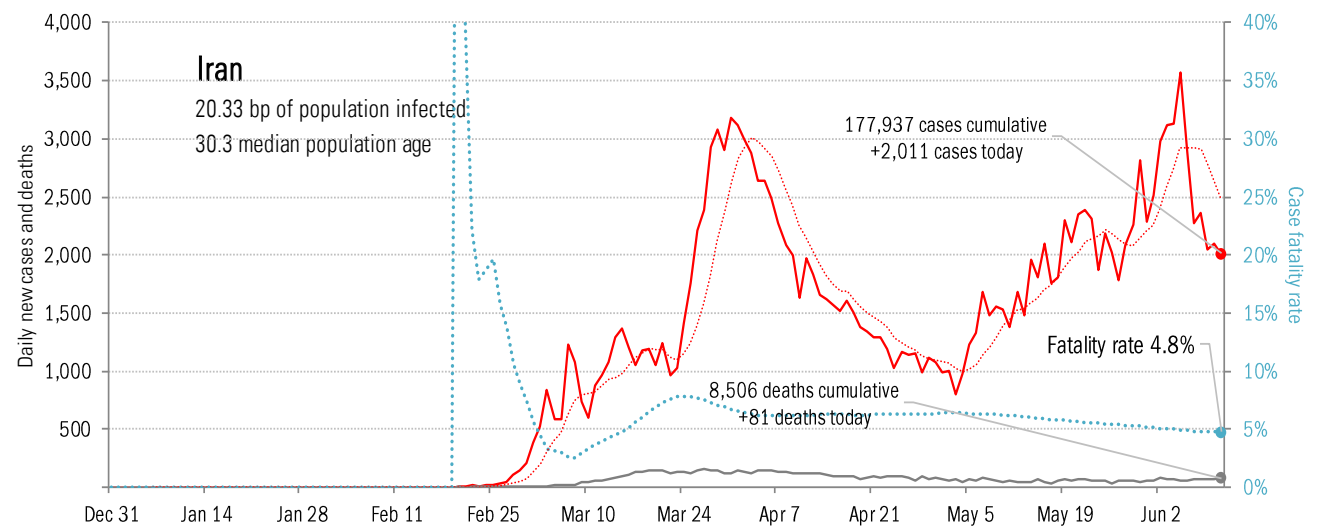
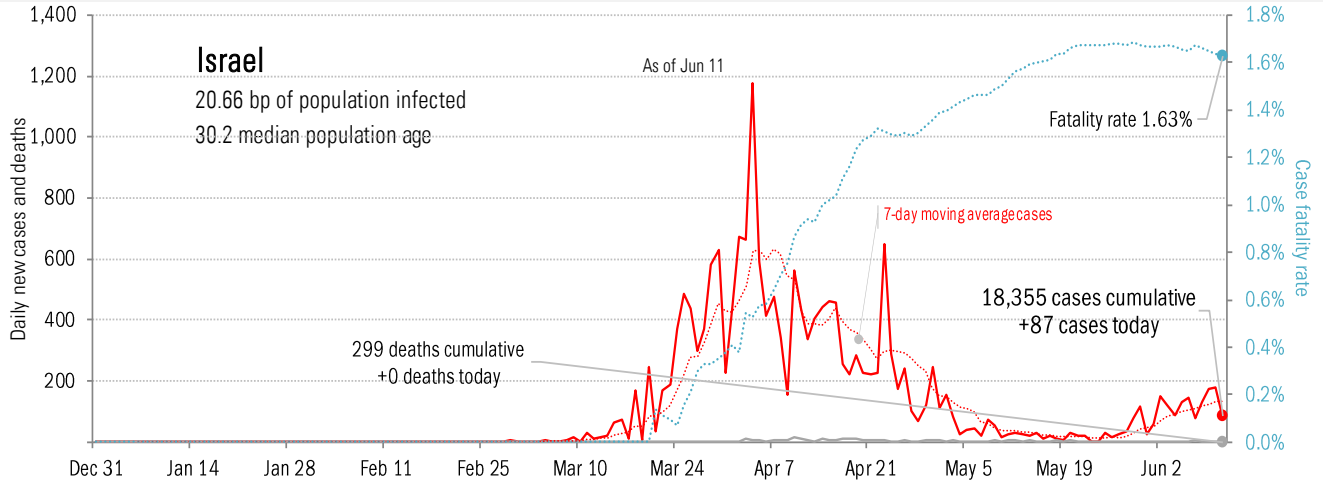
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations