Trend Macrolytics, LLC
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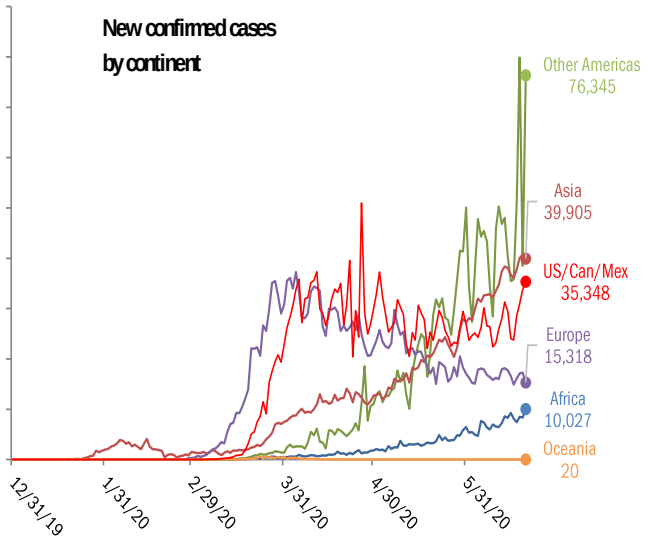
Data Insights: Covid-2019 Monitor

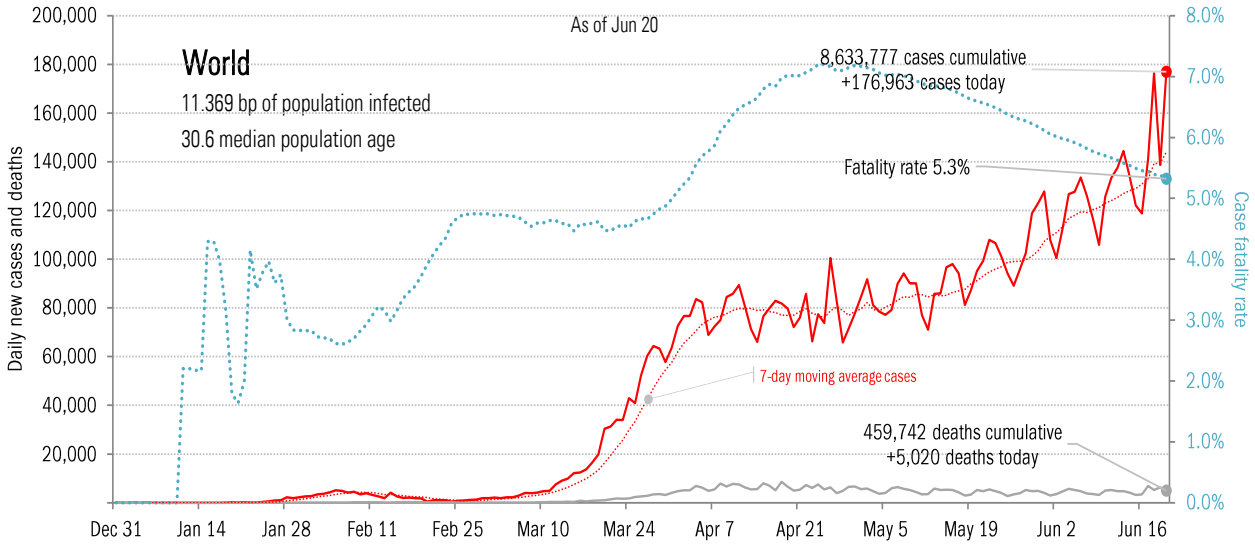
Saturday, June 20, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+54,771	Brazil	+1,206
US	+29,909	US	+678
India	+14,516	Mexico	+647
Russia	+7,972	India	+375
Pakistan	+6,604	Chile	+252
Chile	+6,290	Peru	+199
Mexico	+5,030	Russia	+182
Saudi	+4,301	UK	+173
Argentina	+4,018	Pakistan	+153
South_Africa	+3,825	Iran	+120
	+137,236		+3,985
World	+176,963	World	+5,020
Top ten	78%	Top ten	79%





Source: ECDC, TrendMacro calculations

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The US scorecard

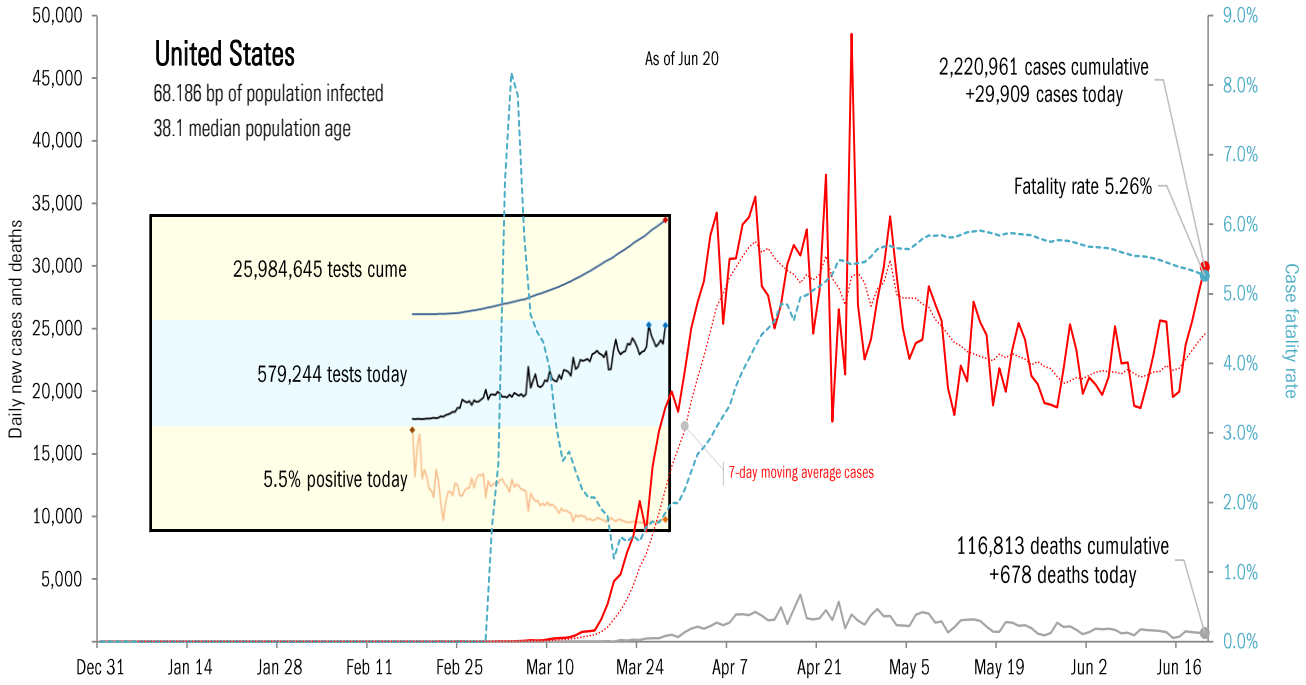
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+4,317	CA	+70	NJ	+257	NY	386,556	NY	24,686	NY	89,995
FL	+3,822	FL	+43	SC	+239	NJ	168,496	NJ	12,835	NJ	19,267
TX	+3,454	AZ	+41	FL	+200	CA	165,416	MA	7,800	FL	13,062
AZ	+3,246	PA	+38	IN	+142	IL	136,470	IL	6,718	MA	11,036
NC	+1,652	NJ	+35	GA	+109	MA	106,650	PA	6,399	MD	10,447
TN	+1,188	TX	+35	AZ	+93	TX	103,305	MI	6,067	CT	10,099
GA	+1,097	OH	+34	MD	+90	FL	89,748	CA	5,360	GA	9,772
SC	+1,083	GA	+31	VA	+75	PA	80,762	CT	4,238	VA	8,425
IL	+831	MA	+30	OH	+63	MI	67,097	FL	3,197	OH	7,167
OK	+802	IN	+25	OK	+63	MD	63,548	LA	3,084	IN	6,731
	+21,492		+382		+1,331		1,368,048		80,384		186,001
All states	+31,777	All states	+650	All states	+1,701	All states	2,209,665	All states	112,822	All states	230,913
Top ten	68%	Top ten	59%	Top ten	78%	Top ten	62%	Top ten	71%	Top ten	81%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
WI	-144	IL	-52	CT	-187	TX	+1,517
LA	-119	MO	-35	KY	-15	PA	+1,207
IN	-117	MI	-19	WI	-15	SC	+1,056
AL	-98	CA	-12	GA	-11	IN	+585
OH	-91	AL	-8	SD	-11	TN	+582



Source: States and test data Covid Tracking Project, US data ECDC, TrendMacro calculations

Recommended reading

[The 1865 Handwritten Order Marking Juneteenth Has Been Found]
Jacey Fortin
New York Times
June 19, 2020

[Dept. of Coronavirus Good News]
Wall Street Journal
June 19, 2020

[Social distancing destroys our lives as social beings]
Jonathan Sumption
The Spectator
June 13, 2020

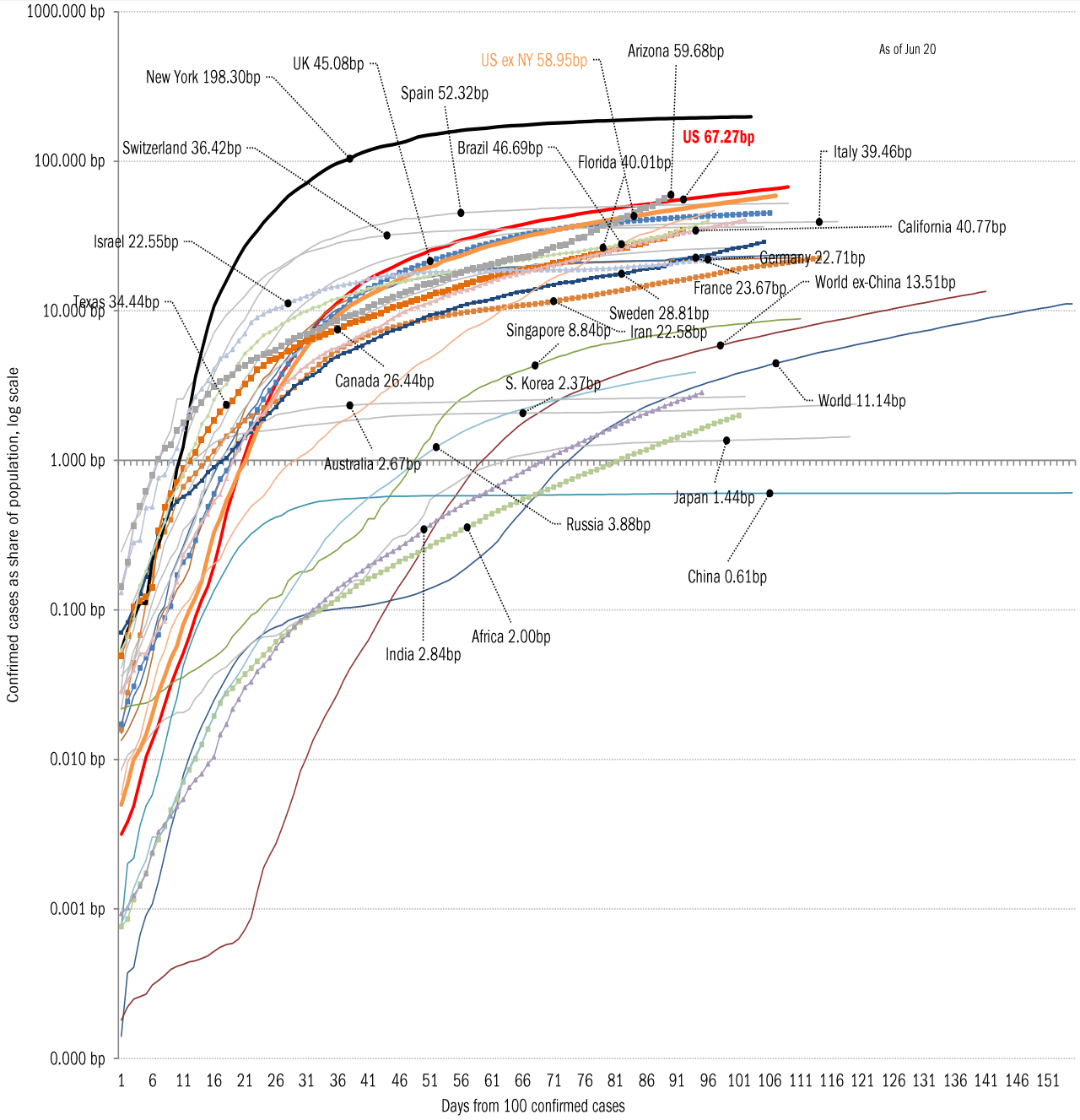
[Texas students will return to school campuses this fall, Gov. Greg Abbott tells lawmakers]
Aliyya Swaby and Cassandra Pollock
CBS Austin
June 18, 2020

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

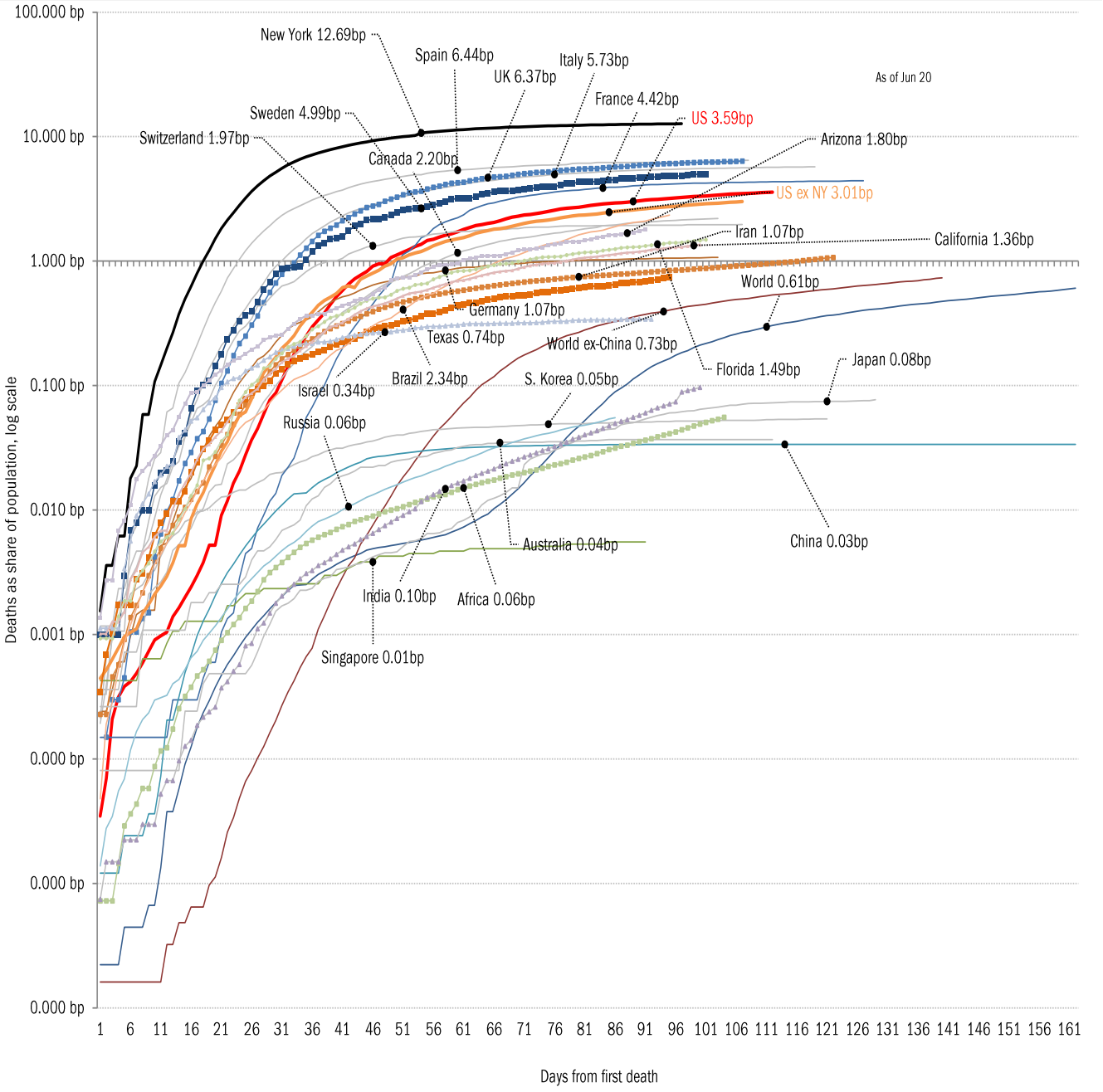
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

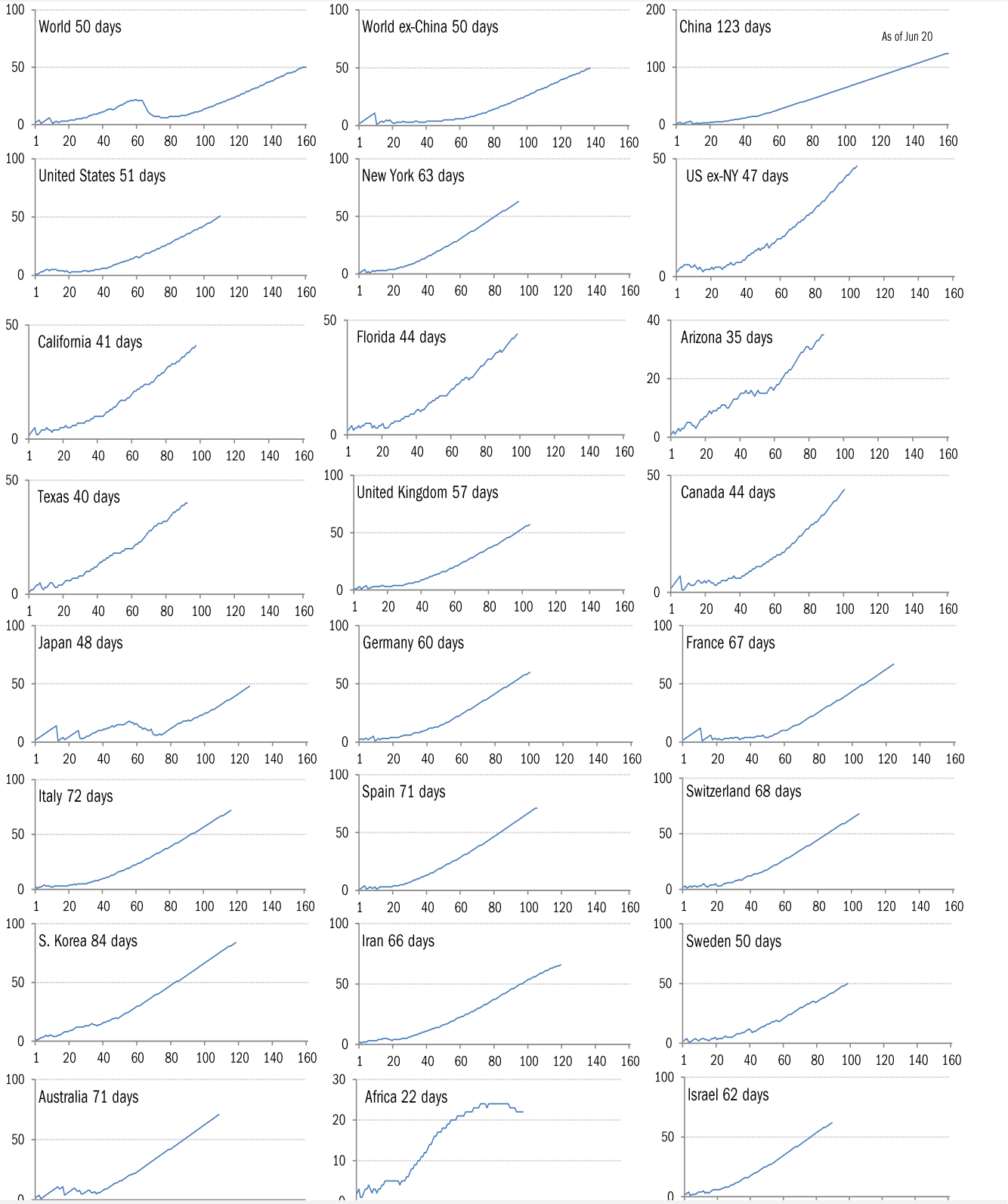
Share of deceased population from day of first fatality



Source: ECDC, TrendMacro calculations

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

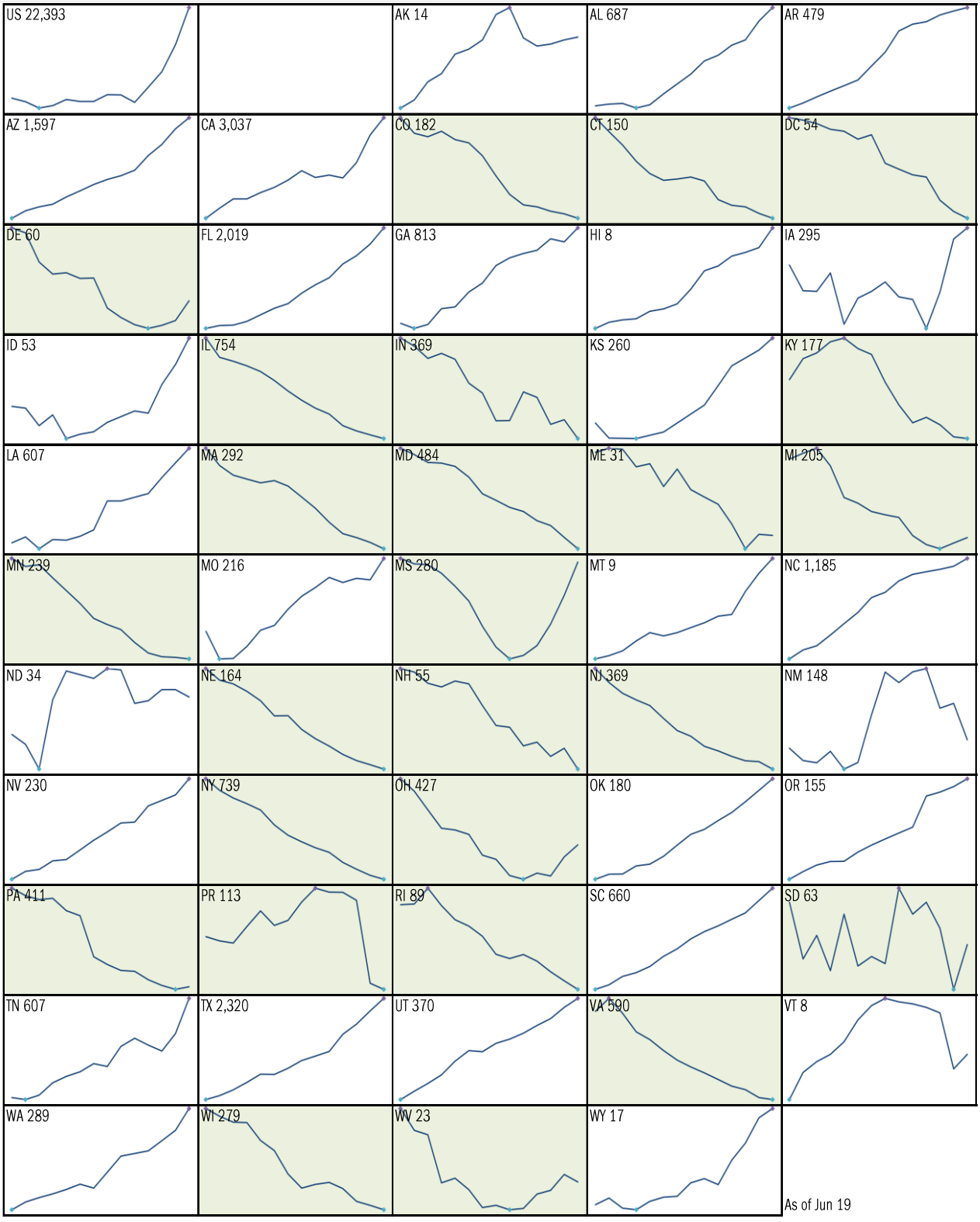
Vertical: number of days it takes to double deaths Horizontal: days from first death



Source: ECDC, TrendMacro calculations

Requirement to Open Up America Again: 14-day "downward trajectory" in new cases

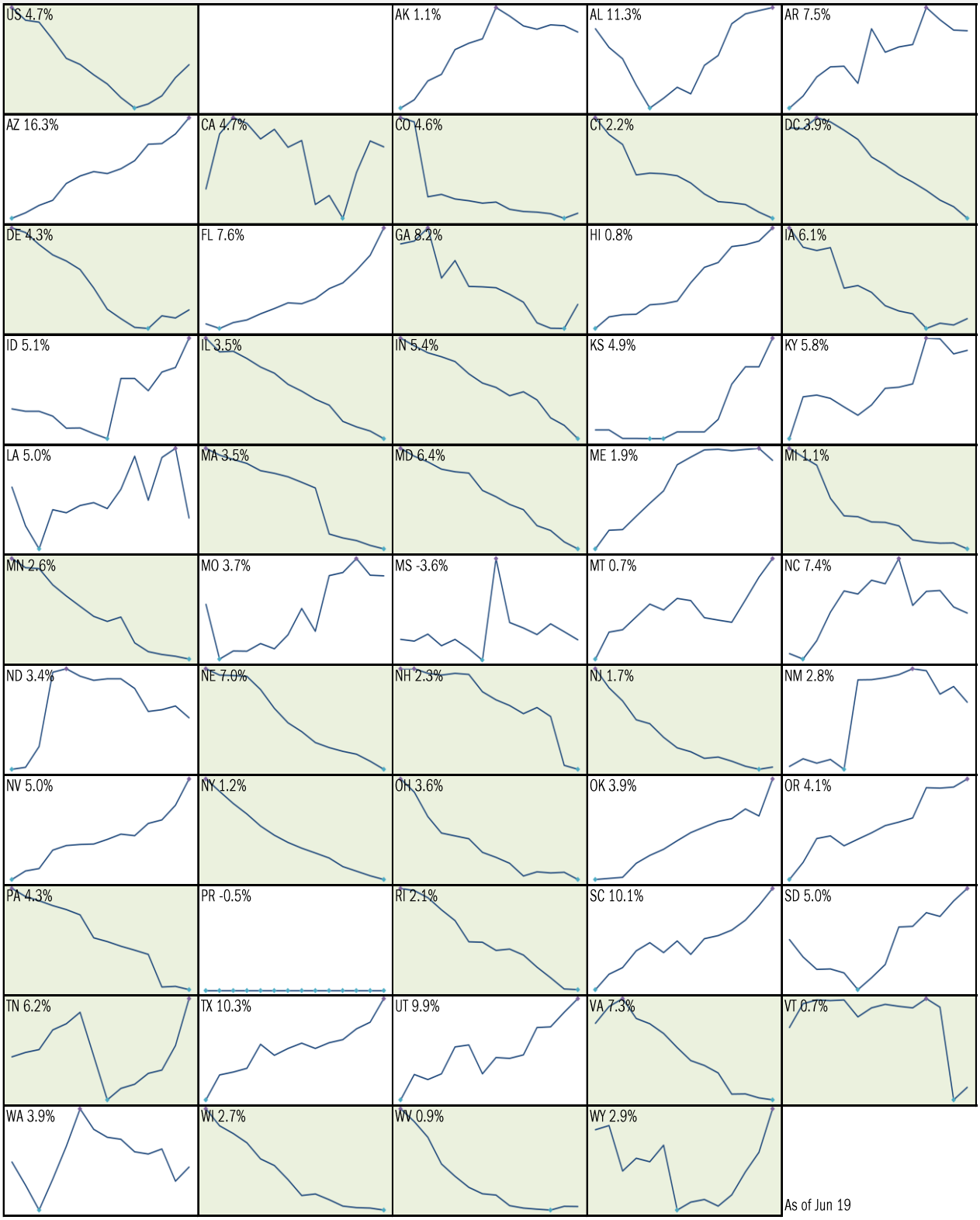
14-day moving average, last 14 days Most recent value displayed • High • Low



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

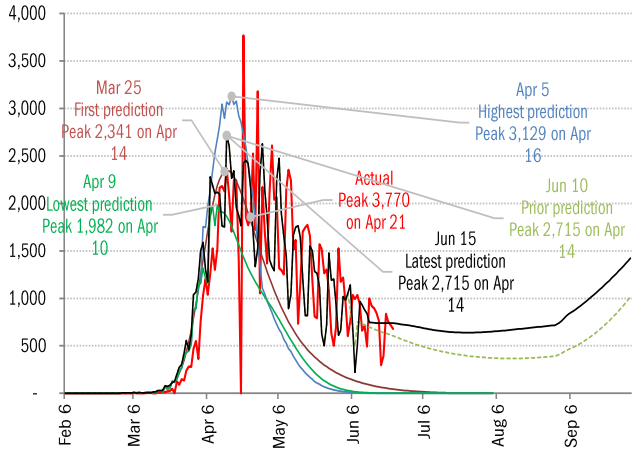


Source: Covid Tracking Project, TrendMacro calculations

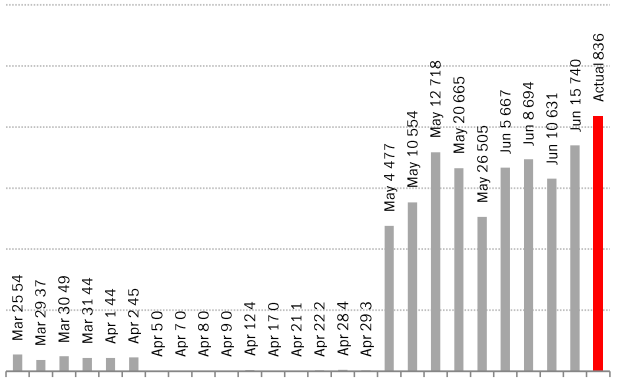
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Jun 20

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

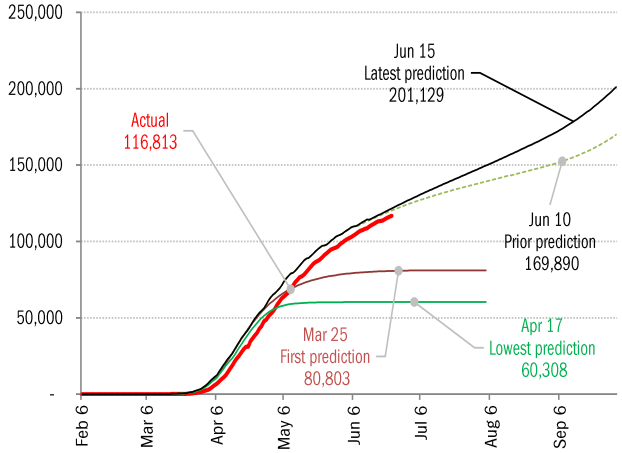


For this day, versus all model mean predictions

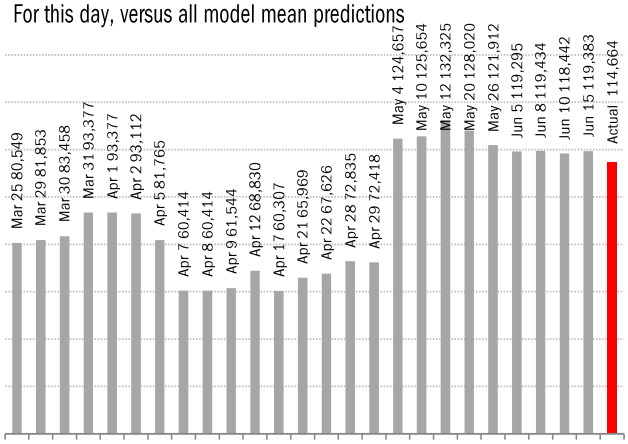


Cumulative fatalities

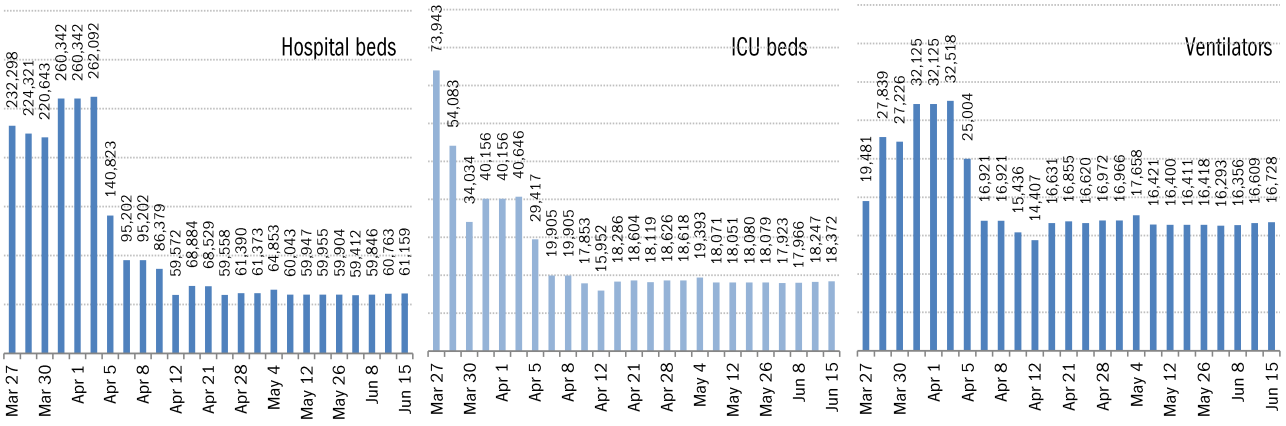
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

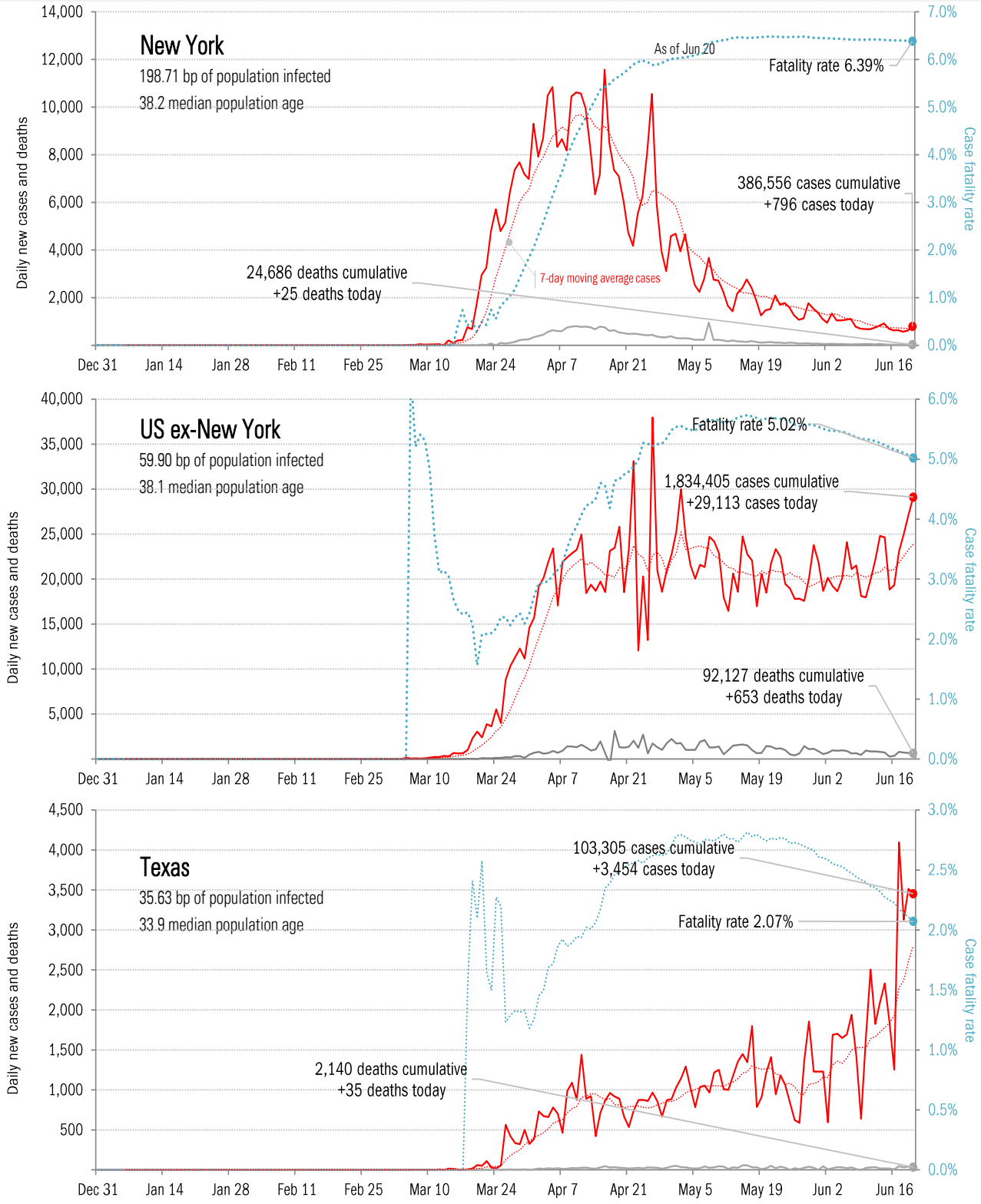


Healthcare system stress, peak estimated at each model revision



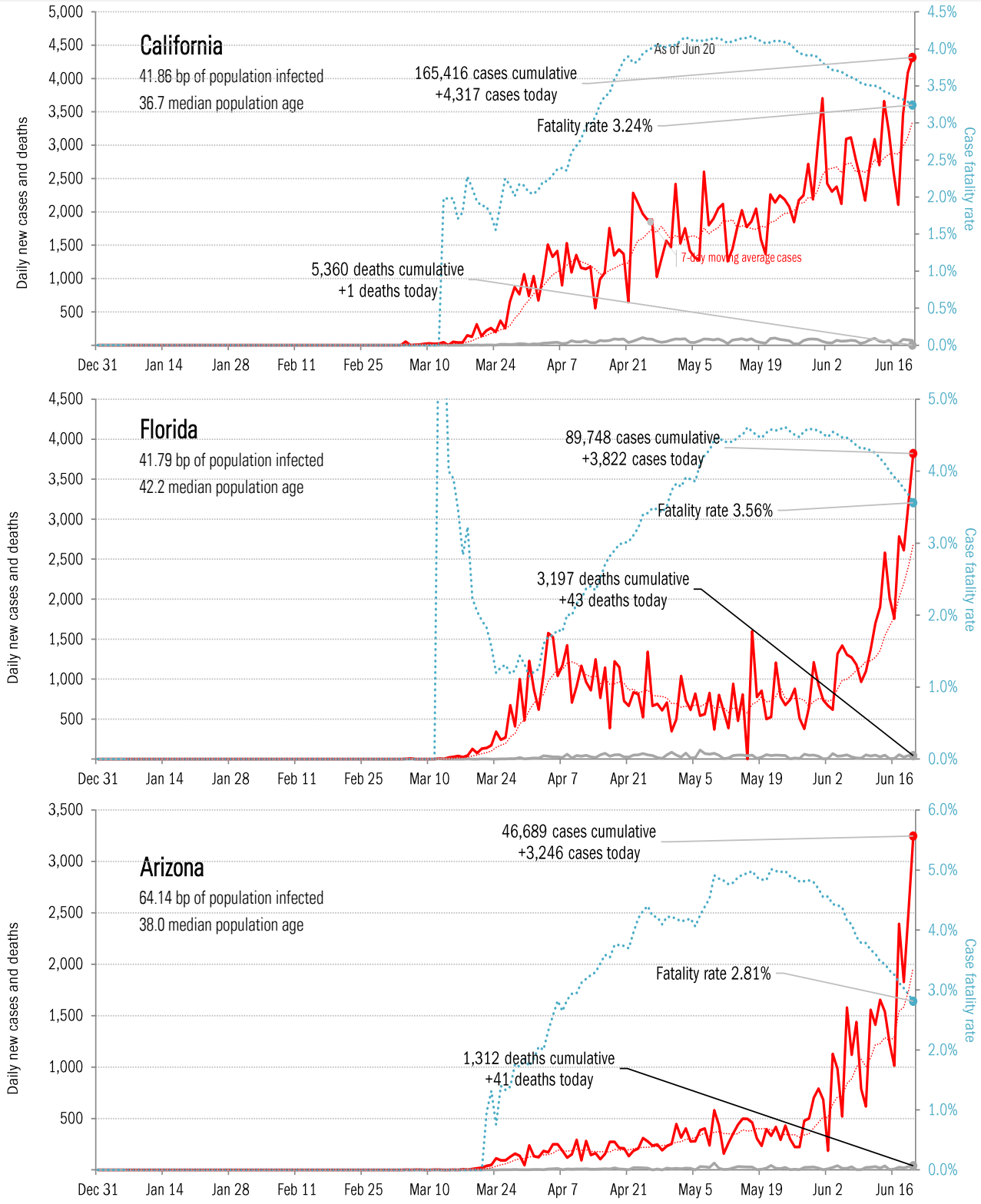
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



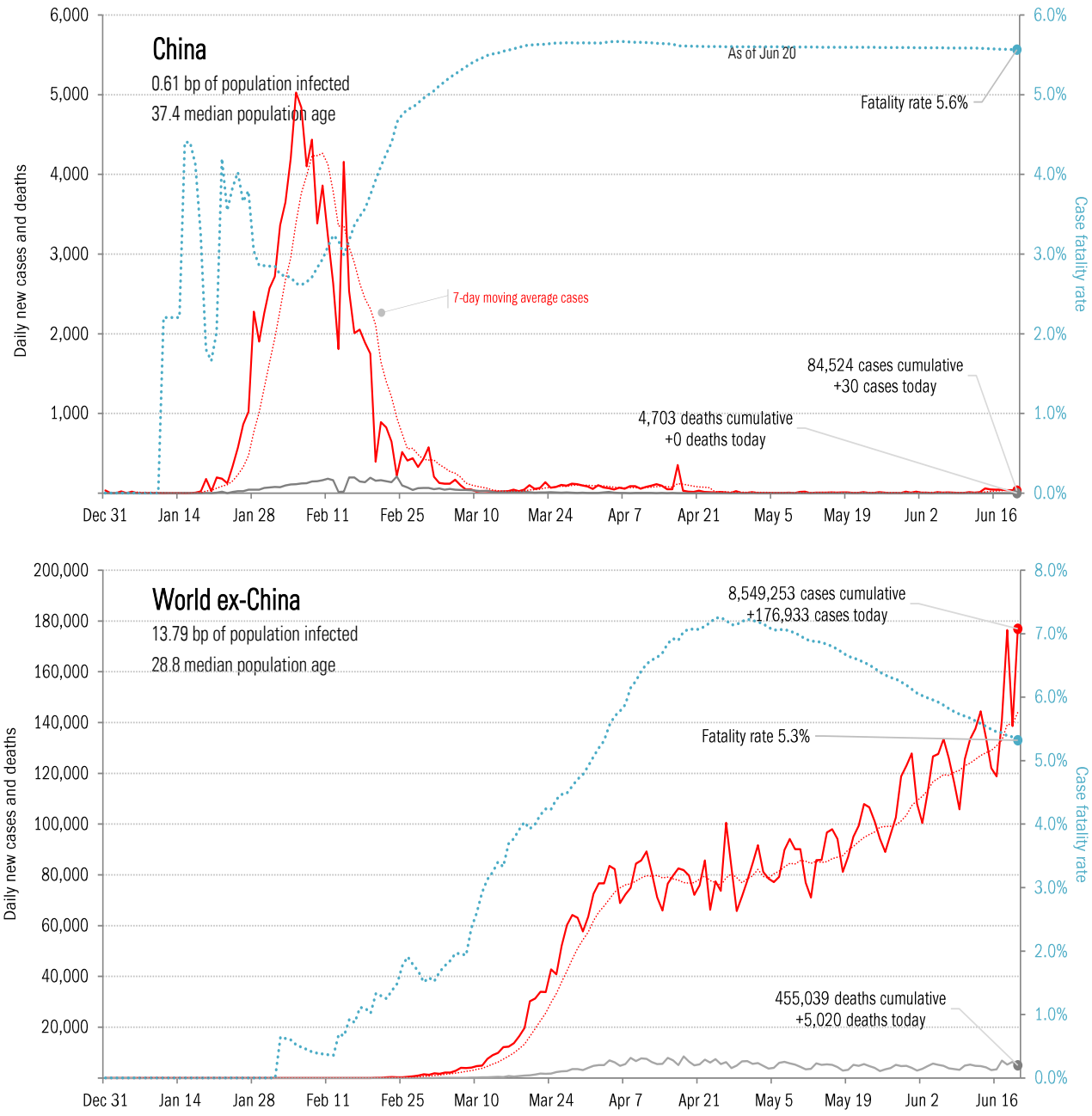
Source: ECDC, TrendMacro calculations

The “second wave” states (other than Texas)



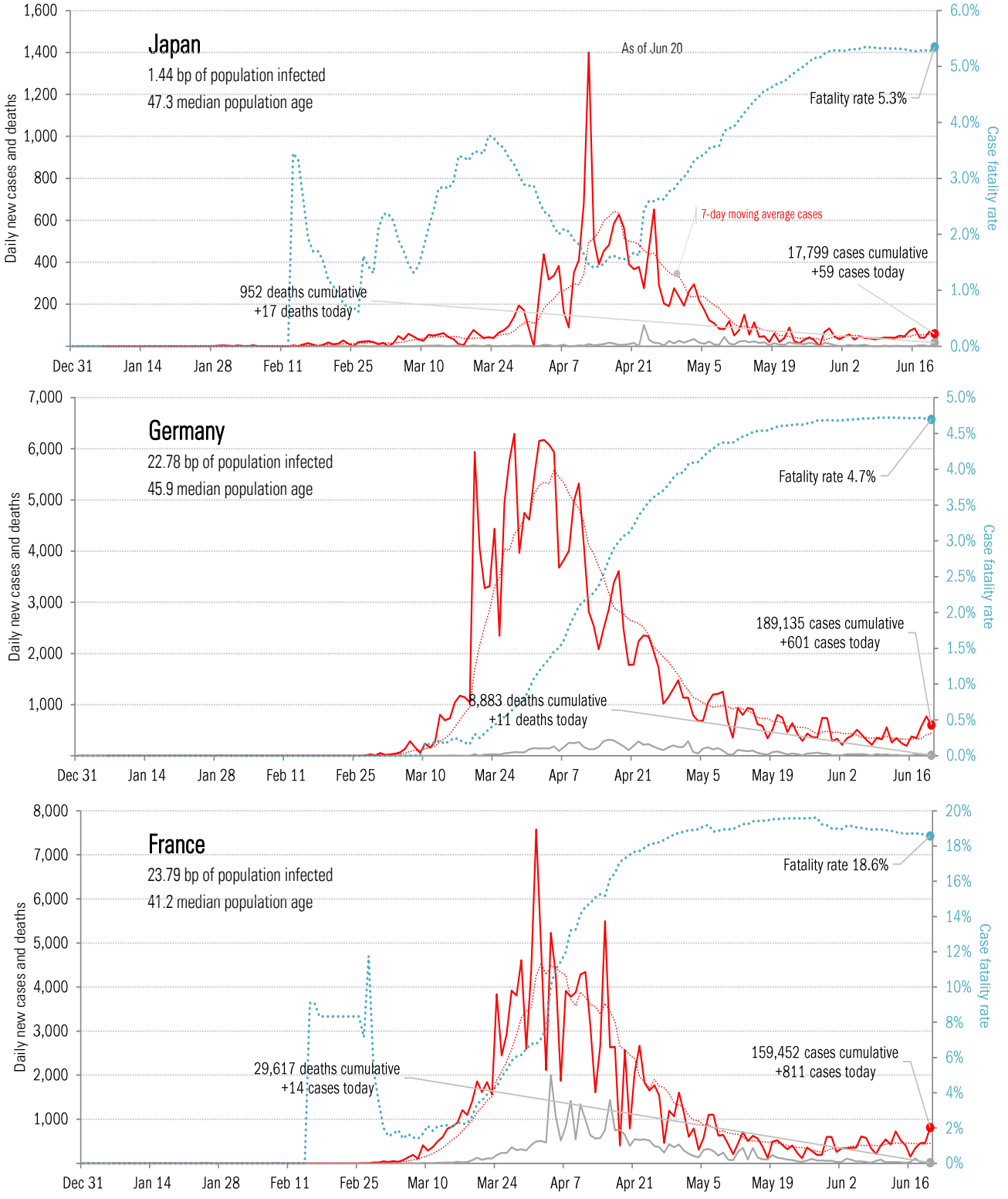
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



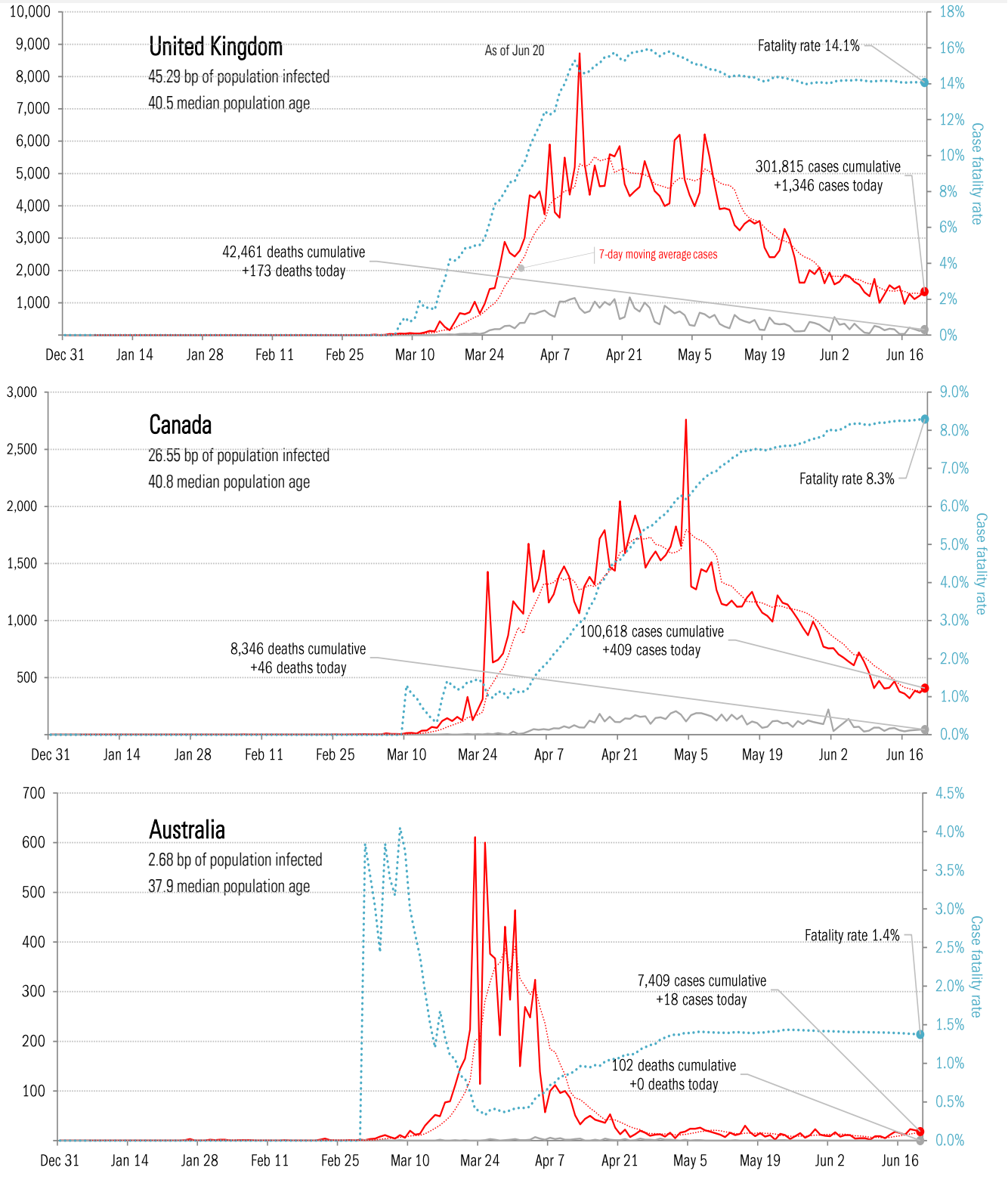
Source: ECDC, TrendMacro calculations

Impact in the largest economies



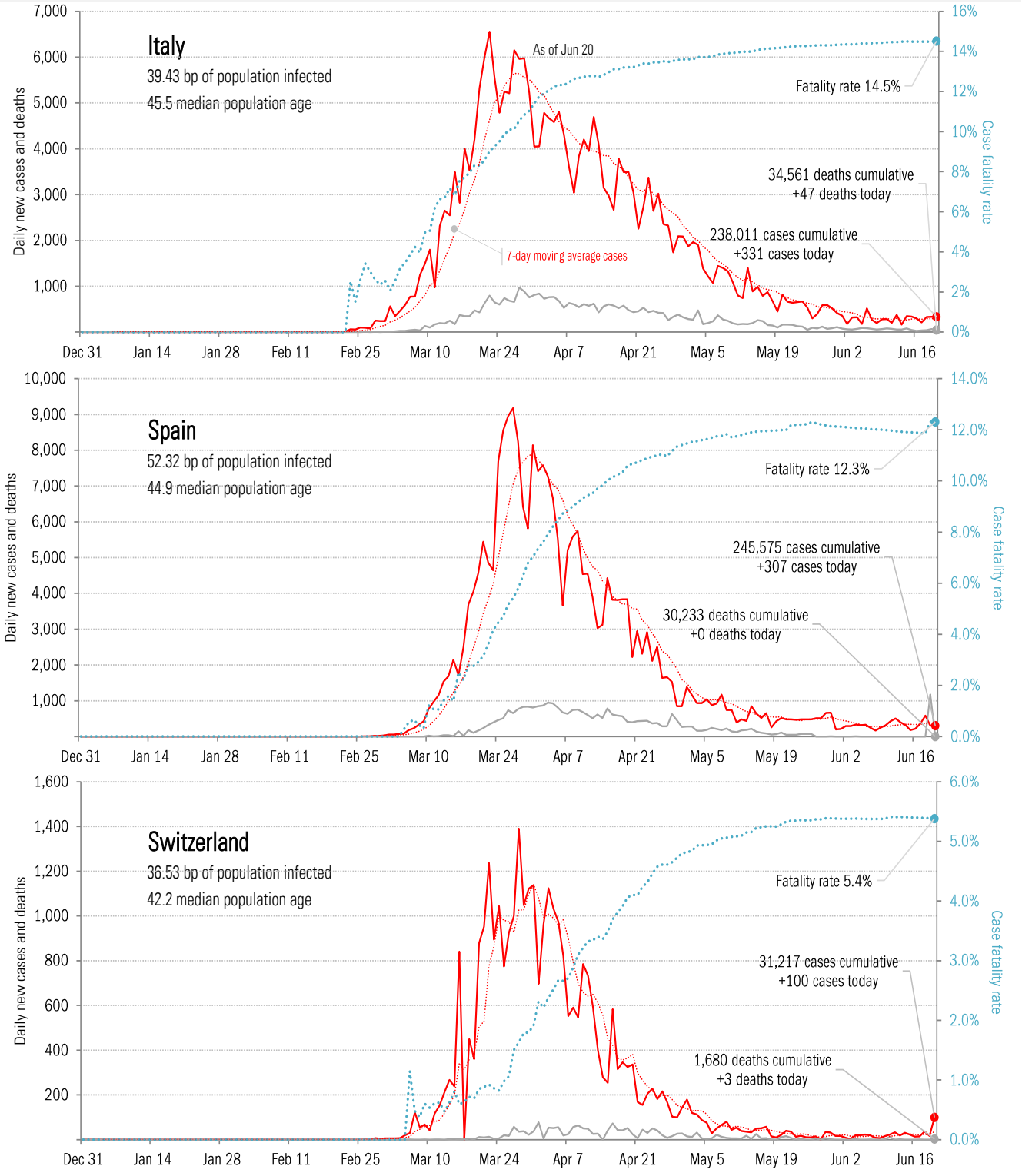
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



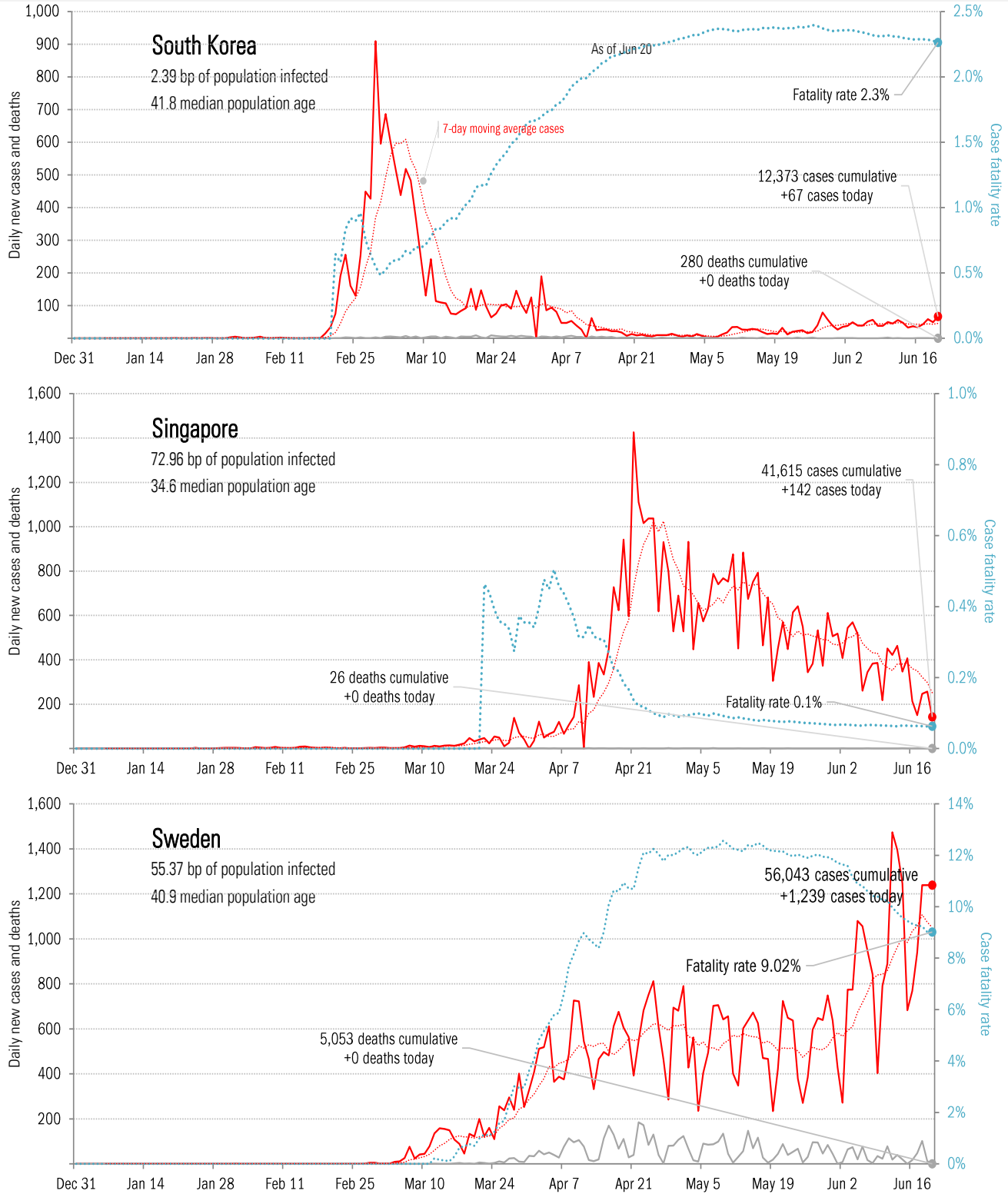
Source: ECDC, TrendMacro calculations

Impact in continental Europe



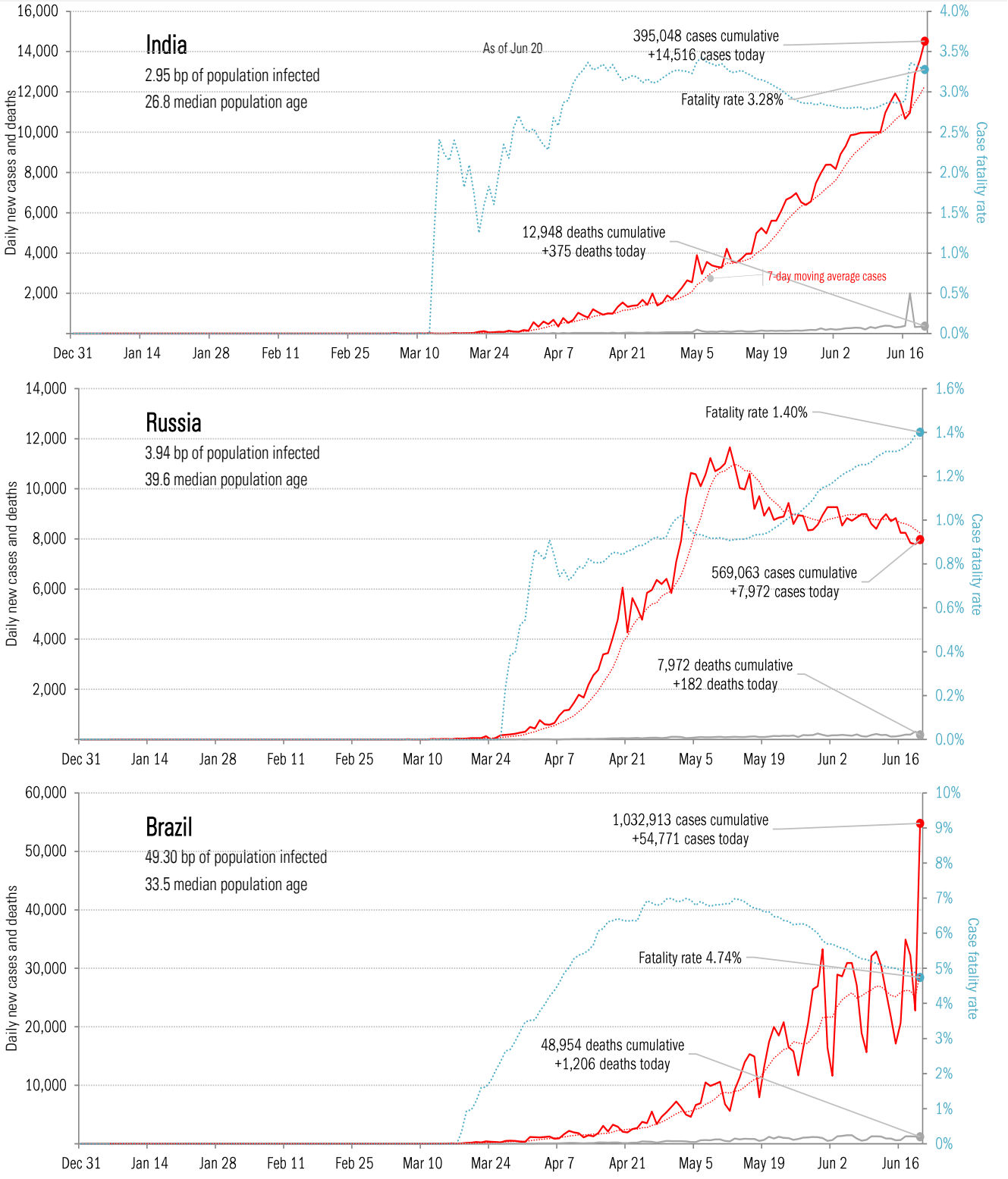
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



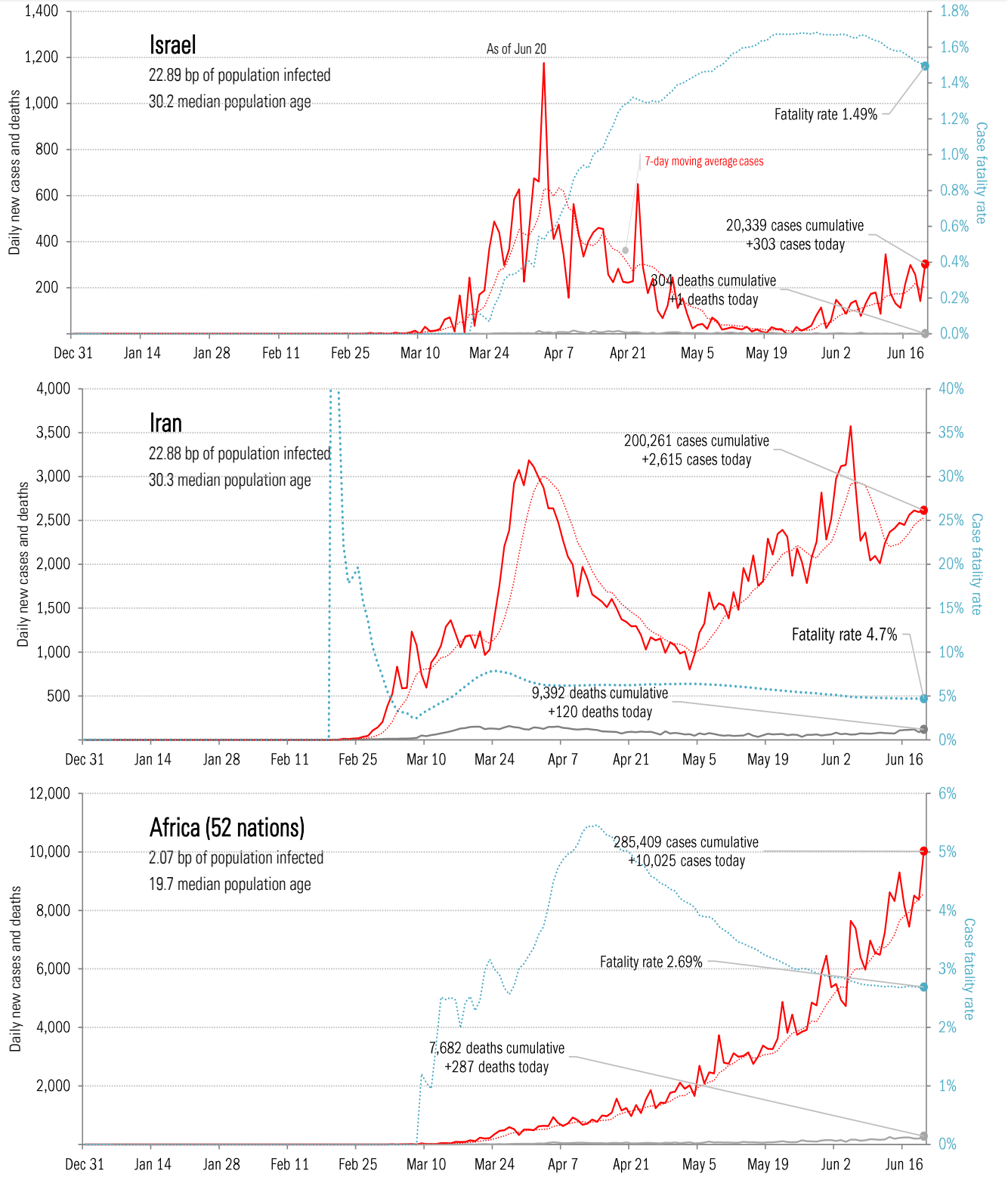
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations