Trend Macrolytics, LLC
Donald Luskin, Chief Investment Officer
Thomas Demas, Managing Director
Michael Warren, Energy Strategist

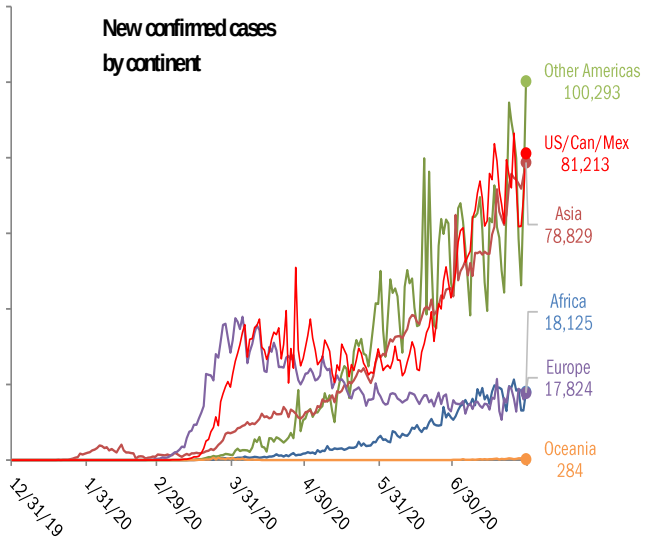
Data Insights: Covid-2019 Monitor

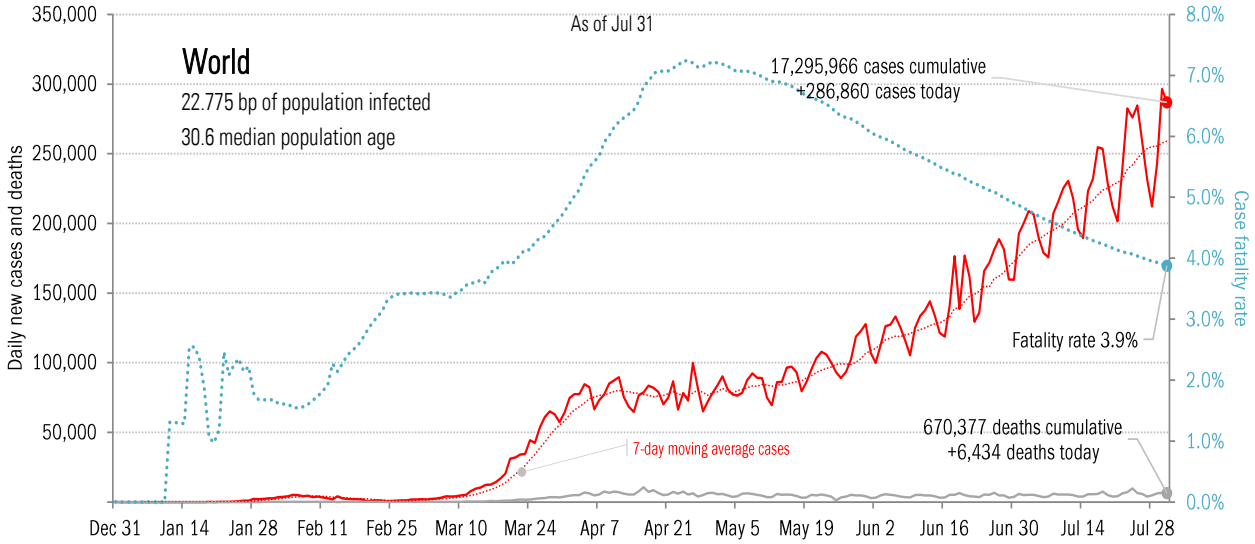
Friday, July 31, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+68,032	US	+1,357
Brazil	+57,837	Brazil	+1,129
India	+55,078	India	+779
South_Africa	+11,046	Mexico	+639
Colombia	+9,965	Colombia	+356
Mexico	+7,730	South_Africa	+315
Peru	+6,809	Iran	+226
Argentina	+5,641	Peru	+205
Russia	+5,509	Russia	+129
Philippines	+3,888	Argentina	+111
	+231,535		+5,246
World	+286,860	World	+6,434
Top ten	81%	Top ten	82%





Source: ECDC, TrendMacro calculations

For more information contact us:
Donald Luskin: 312 273 6766 don@trendmacro.com
Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

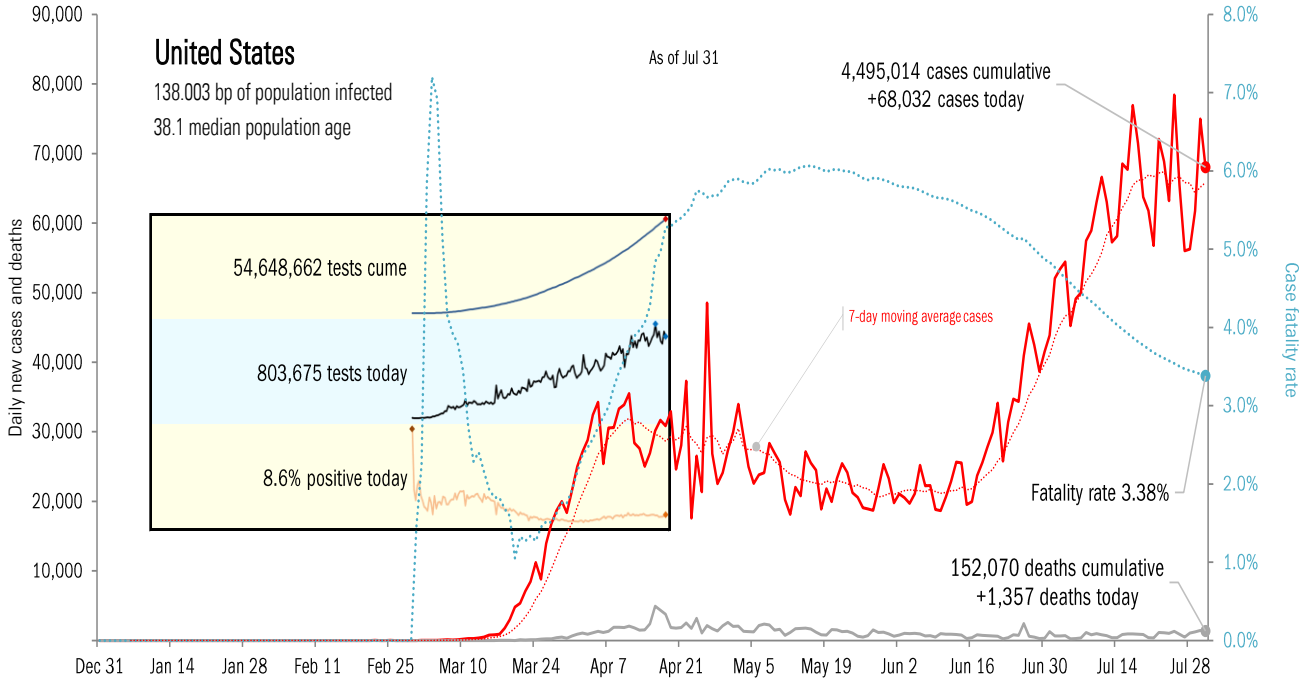
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+10,197	FL	+252	AZ	+1,112	CA	485,502	NY	25,145	NY	89,995
FL	+9,956	CA	+194	FL	+519	FL	461,379	NJ	15,809	FL	26,386
TX	+8,800	AZ	+172	GA	+339	NY	414,370	CA	8,909	NJ	21,565
GA	+3,963	TX	+84	NJ	+244	TX	412,107	MA	8,595	GA	18,303
AZ	+2,525	SC	+52	AL	+177	GA	182,286	IL	7,670	VA	13,085
NC	+2,344	MS	+48	OH	+125	NJ	180,970	PA	7,176	MD	12,500
TN	+2,049	LA	+42	CT	+95	IL	178,138	FL	6,709	MA	11,893
AL	+1,980	NC	+38	TN	+90	AZ	170,798	MI	6,443	AZ	11,172
MO	+1,781	GA	+29	VA	+85	NC	120,194	TX	6,274	CT	10,807
MS	+1,775	AL	+27	IN	+80	MA	117,098	CT	4,431	OH	10,678
	+45,370		+938		+2,866		2,722,842		97,161		226,384
All states	+69,415	All states	+1,262	All states	+3,407	All states	4,464,823	All states	144,139	All states	305,485
Top ten	65%	Top ten	74%	Top ten	84%	Top ten	61%	Top ten	67%	Top ten	74%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TN	-2,284	TX	-229	TN	-112	TX	+9,196
KS	-698	GA	-50	GA	-81	AL	+2,891
CT	-333	LA	-29	WA	-75	TN	+2,105
CO	-267	TN	-29	VA	-71	OH	+1,616
NJ	-267	WA	-23	FL	-68	OK	+1,025



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

Recommended reading

[Families File First Wave of Covid-19 Lawsuits Against Companies Over Worker Deaths]
Janet Adamy
Wall Street Journal
July 30, 2020

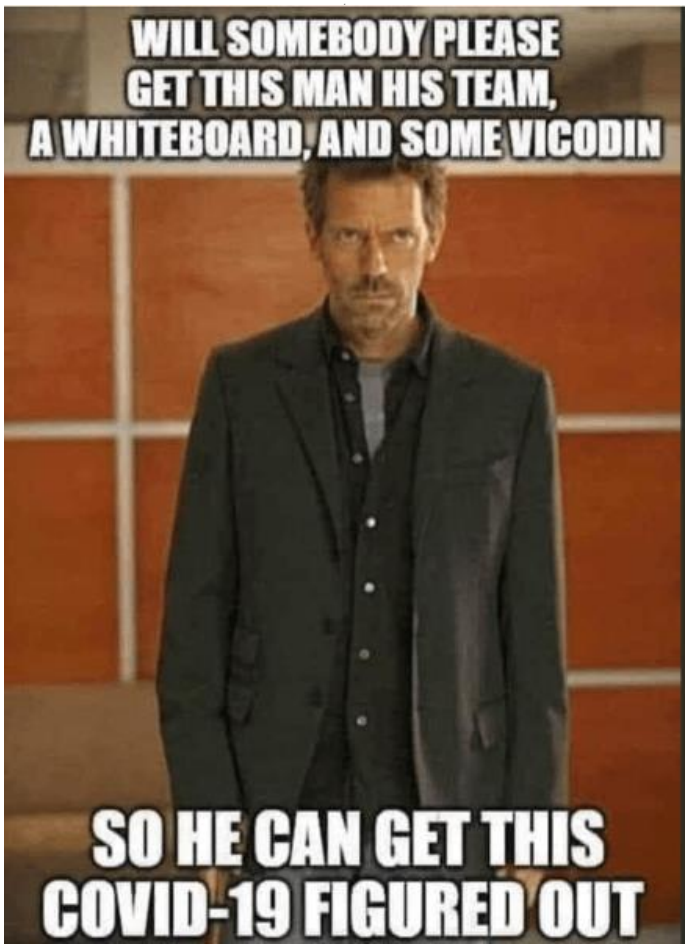
[I gave up following 'absurd' lockdown rules, says ex-supreme court judge]
Charles Hymas
The Telegraph
July 23, 2020

[Exaggerated risk of transmission of COVID-19 by fomites]
Emanuel Goldman
The Lancet
July 3, 2020

[Limit Coronavirus Liability to Promote Jobs and Growth]
Stephen Moore and Donald Kochan
Committee to Unleash Prosperity
August 2020

[J&J Vaccine Protects Monkeys From Covid With Single Shot]
Marthe Fourcade and Riley Griffin
Bloomberg

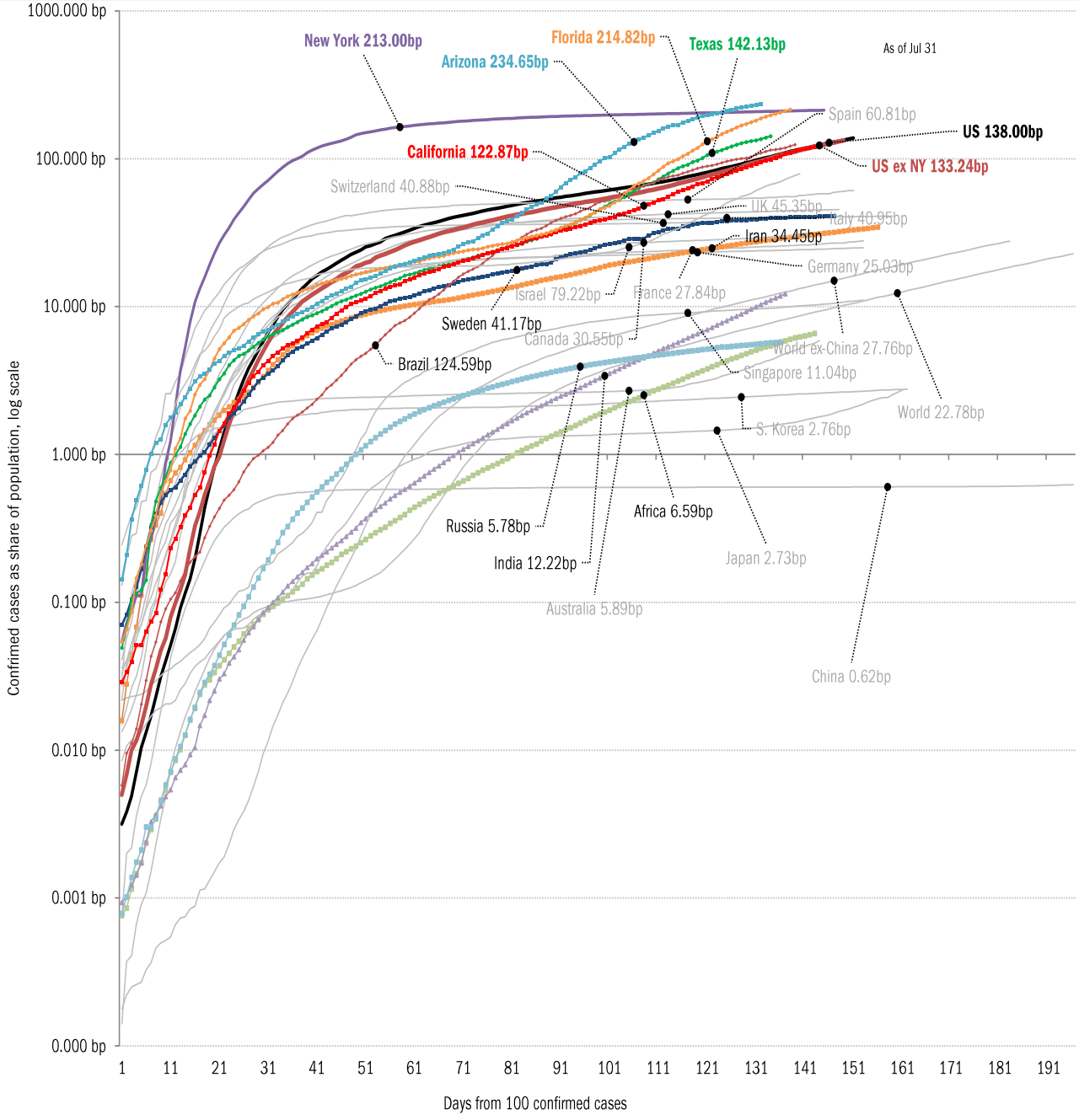
Meme of the day



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

The coronavirus case accelerometer… tracking the world's infection curves

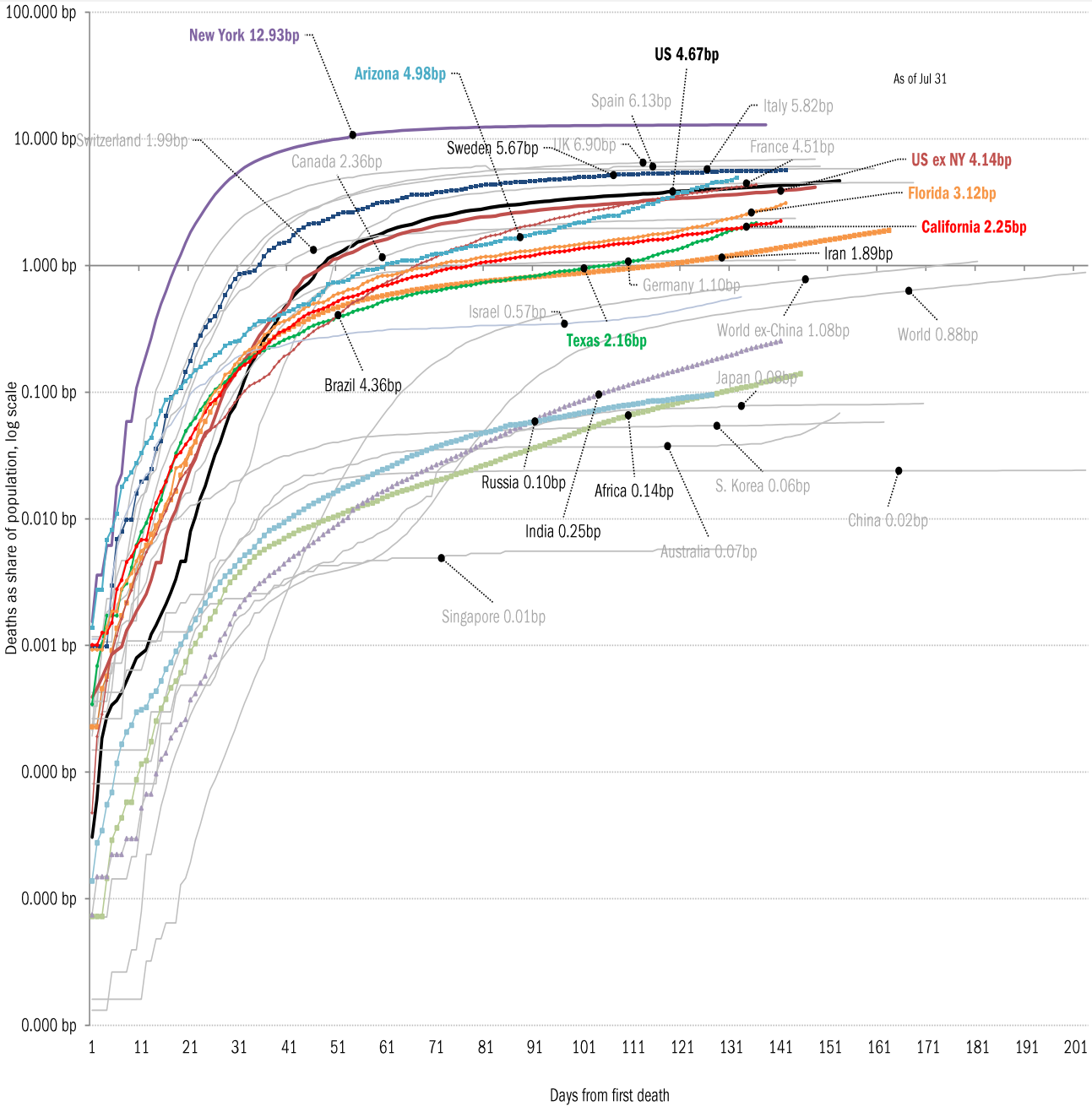
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

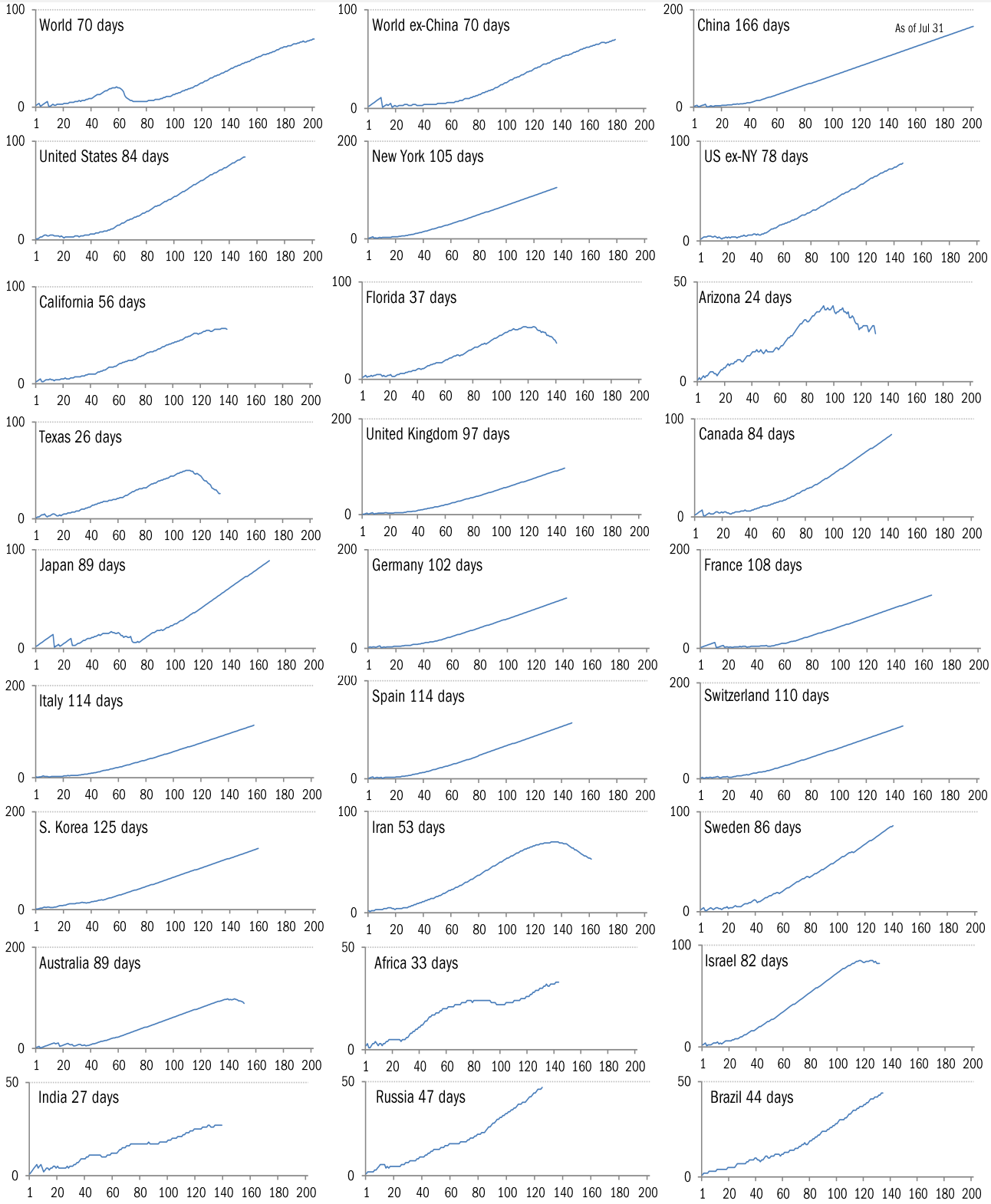
Share of deceased population from day of first fatality



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

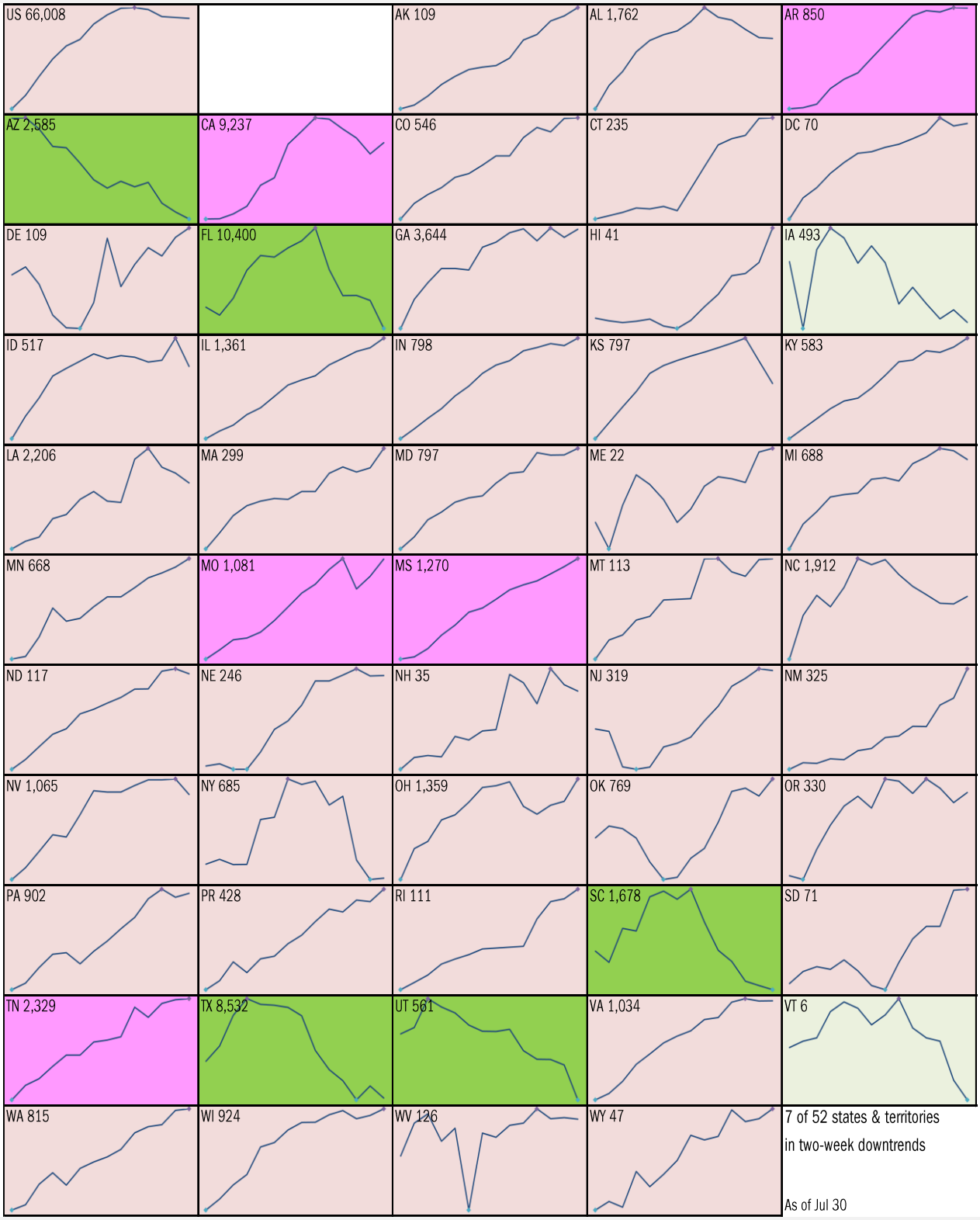


Source: ECDC, TrendMacro calculations

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

Downward trajectory Five best Upward trajectory Five worst

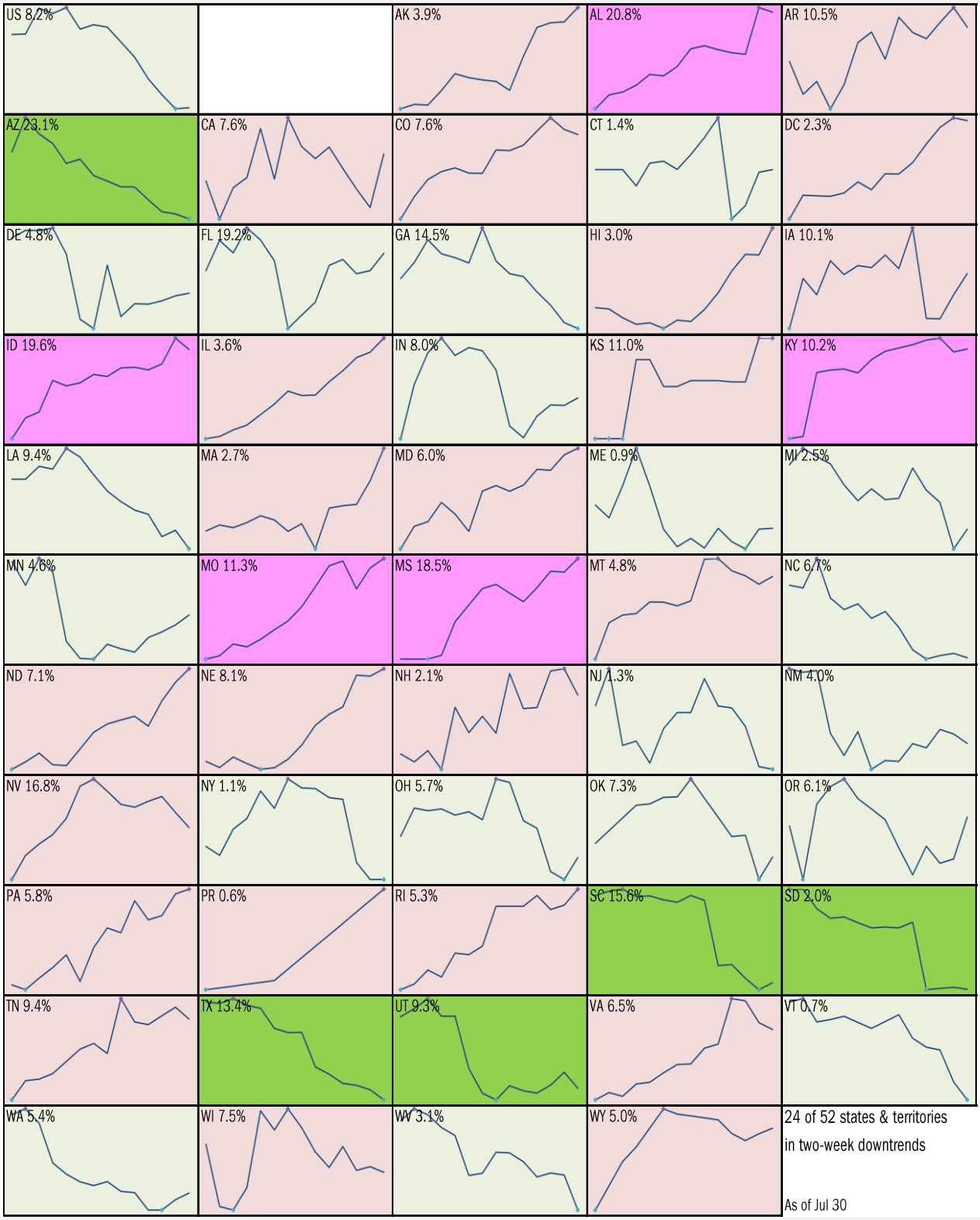


Source: Covid Tracking Project, TrendMacro calculations

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

Downward trajectory Five best Upward trajectory Five worst

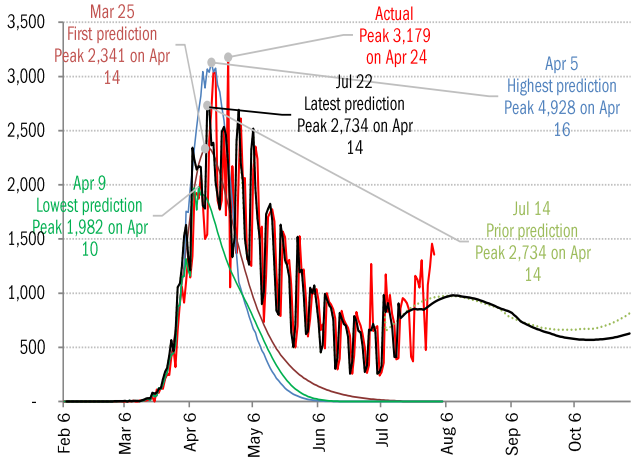


Source: Covid Tracking Project, TrendMacro calculations

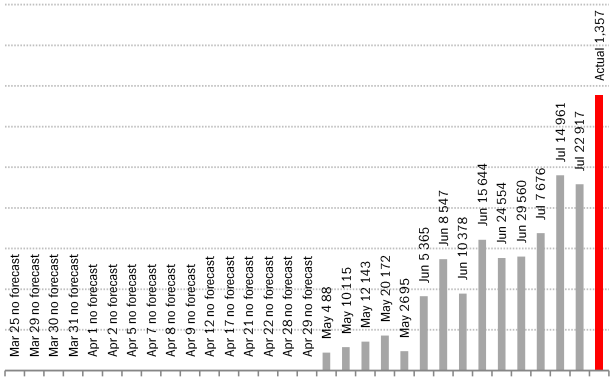
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Jul 31

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

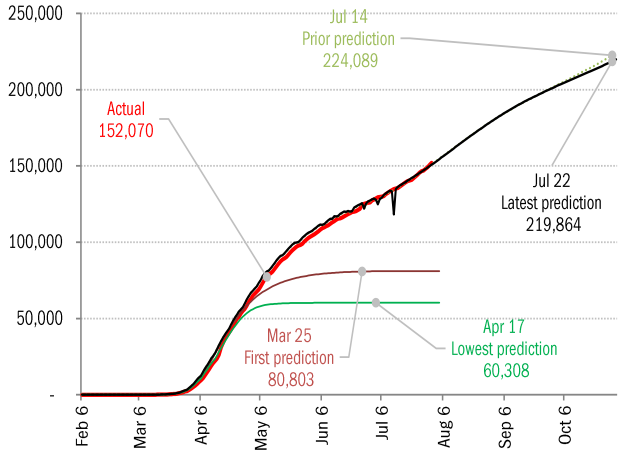


For this day, versus all model mean predictions

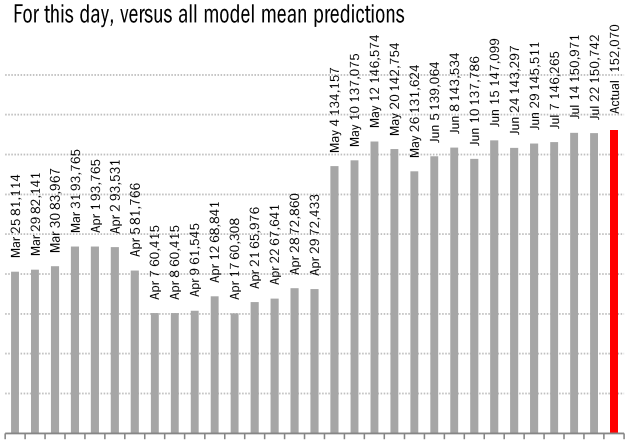


Cumulative fatalities

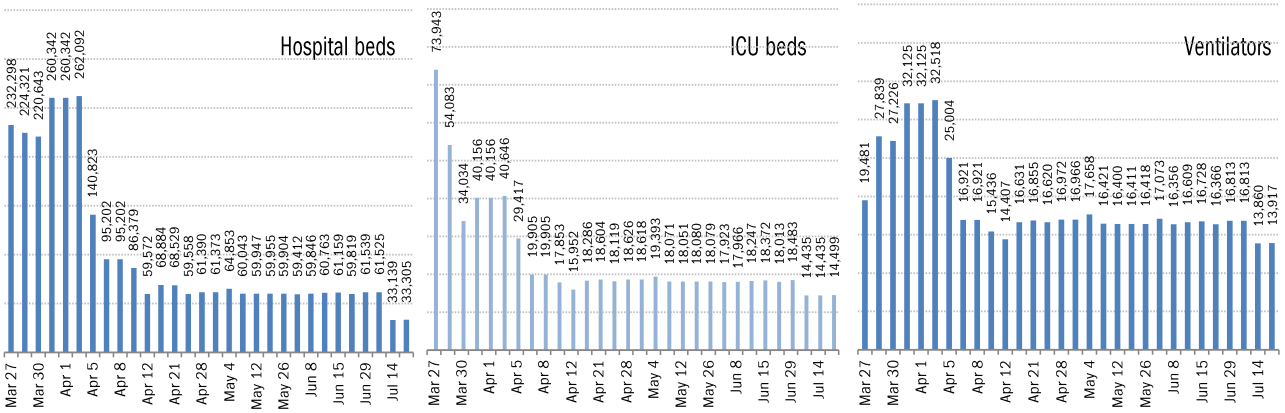
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

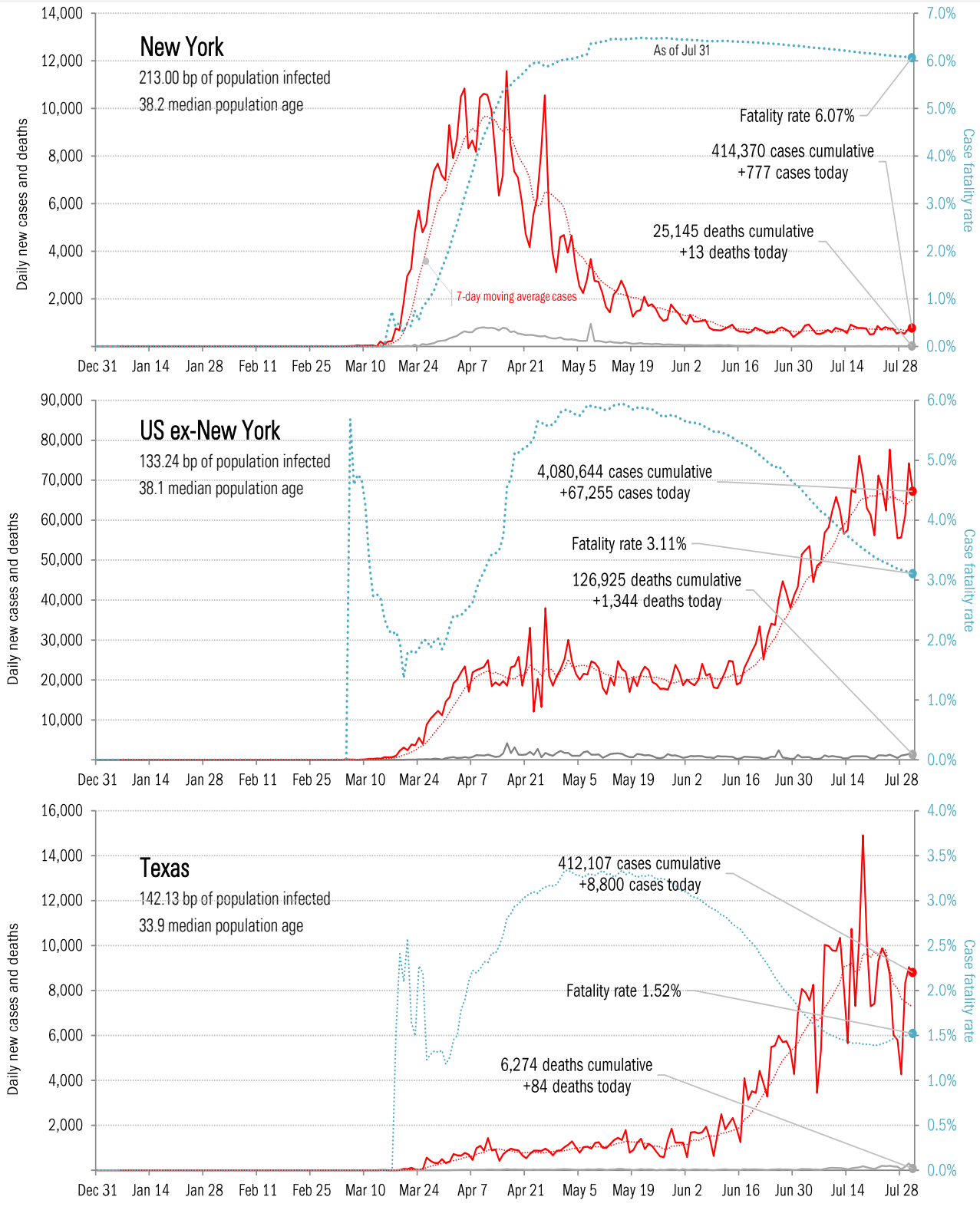


Healthcare system stress, peak estimated at each model revision



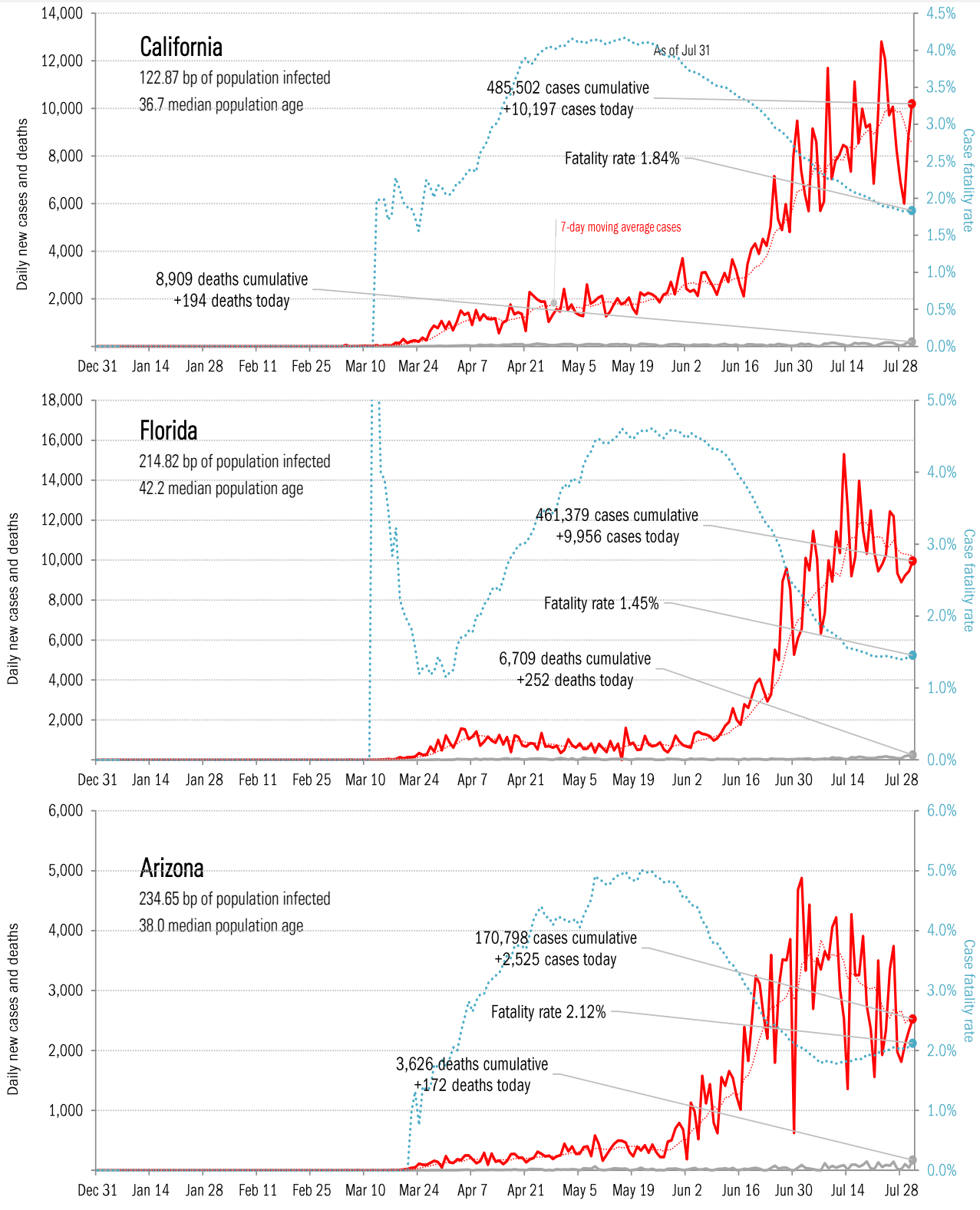
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



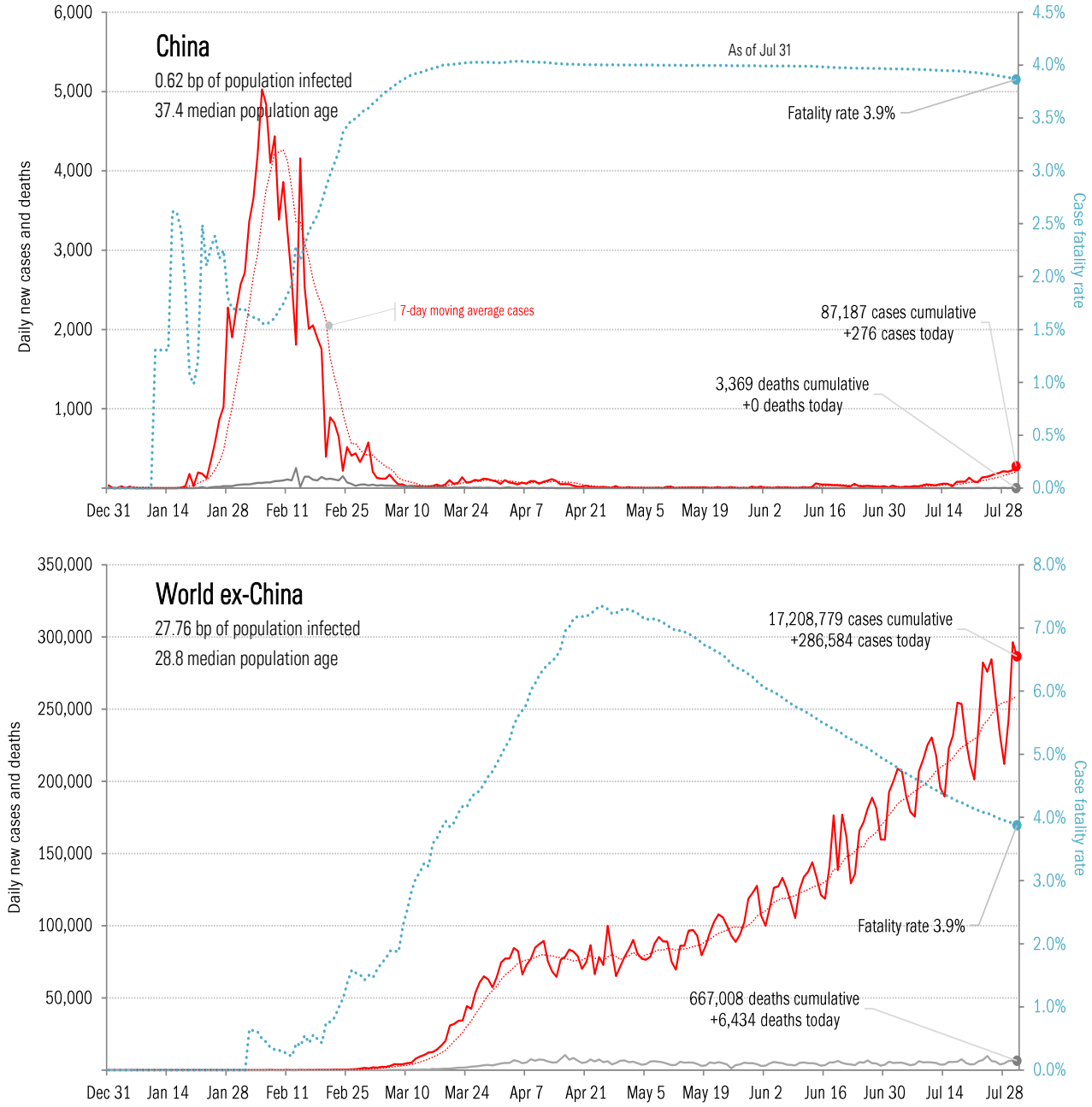
Source: ECDC, TrendMacro calculations

The sun-belt hot-spot states (other than Texas)



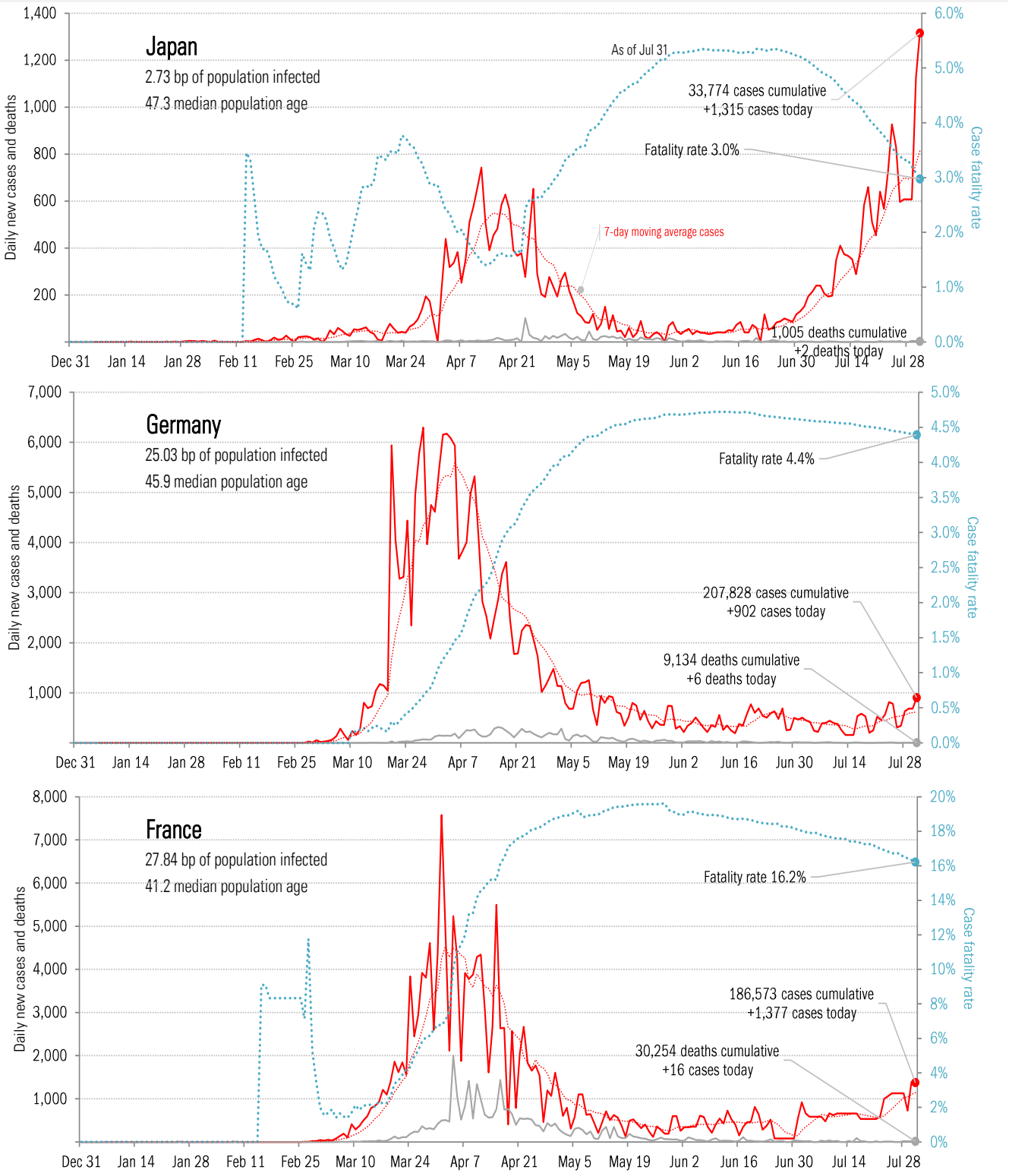
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



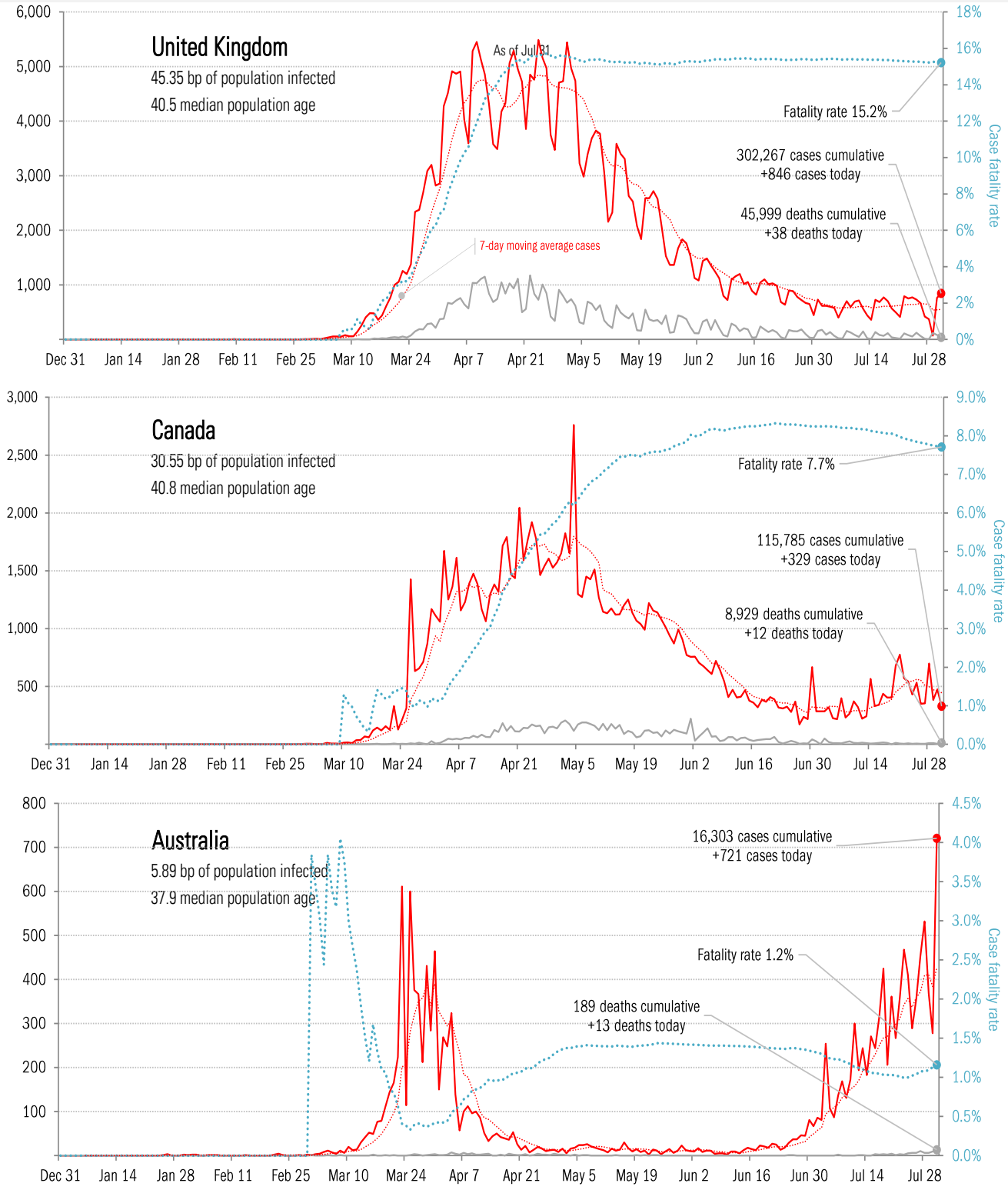
Source: ECDC, TrendMacro calculations

Impact in the largest economies



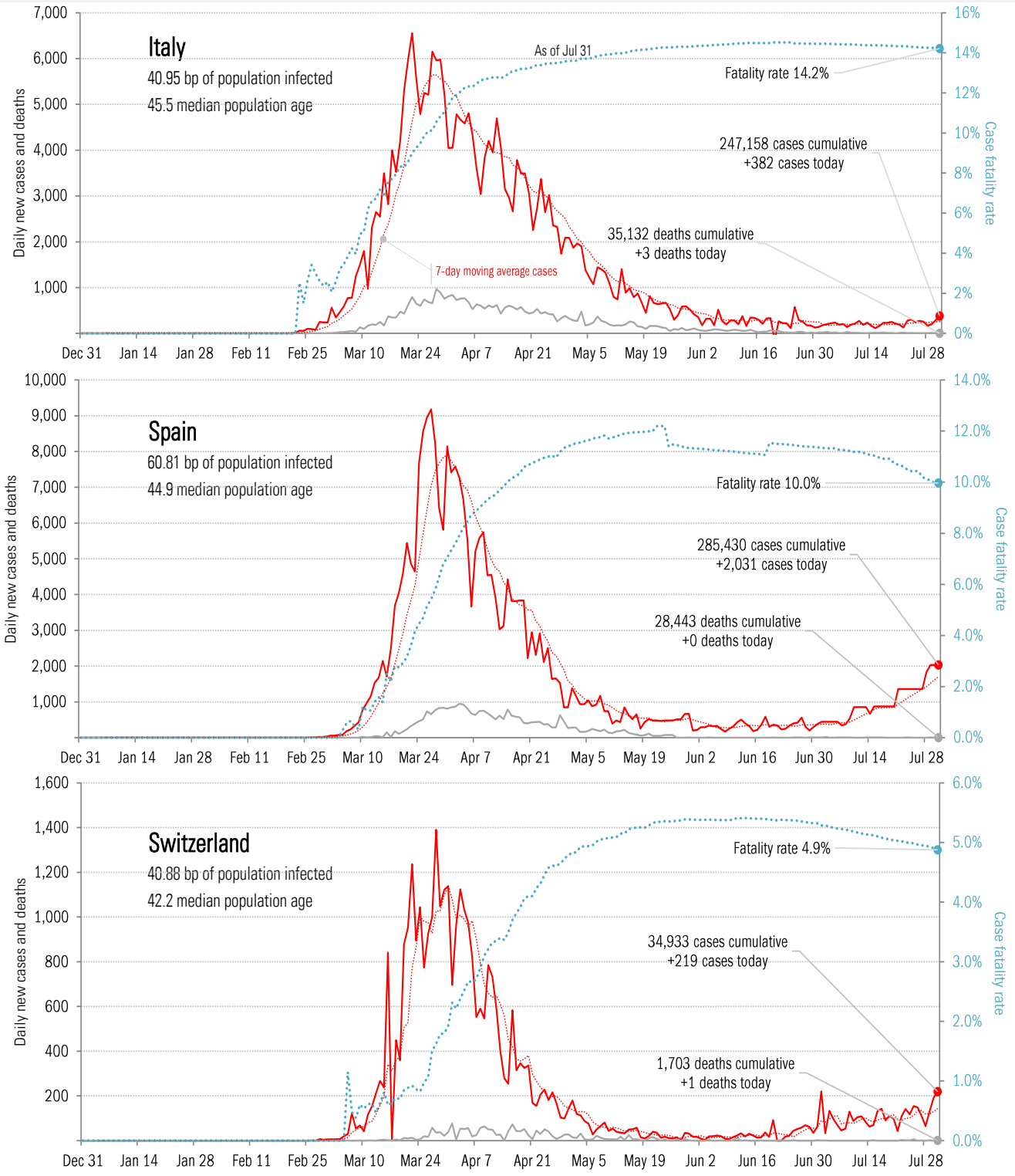
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



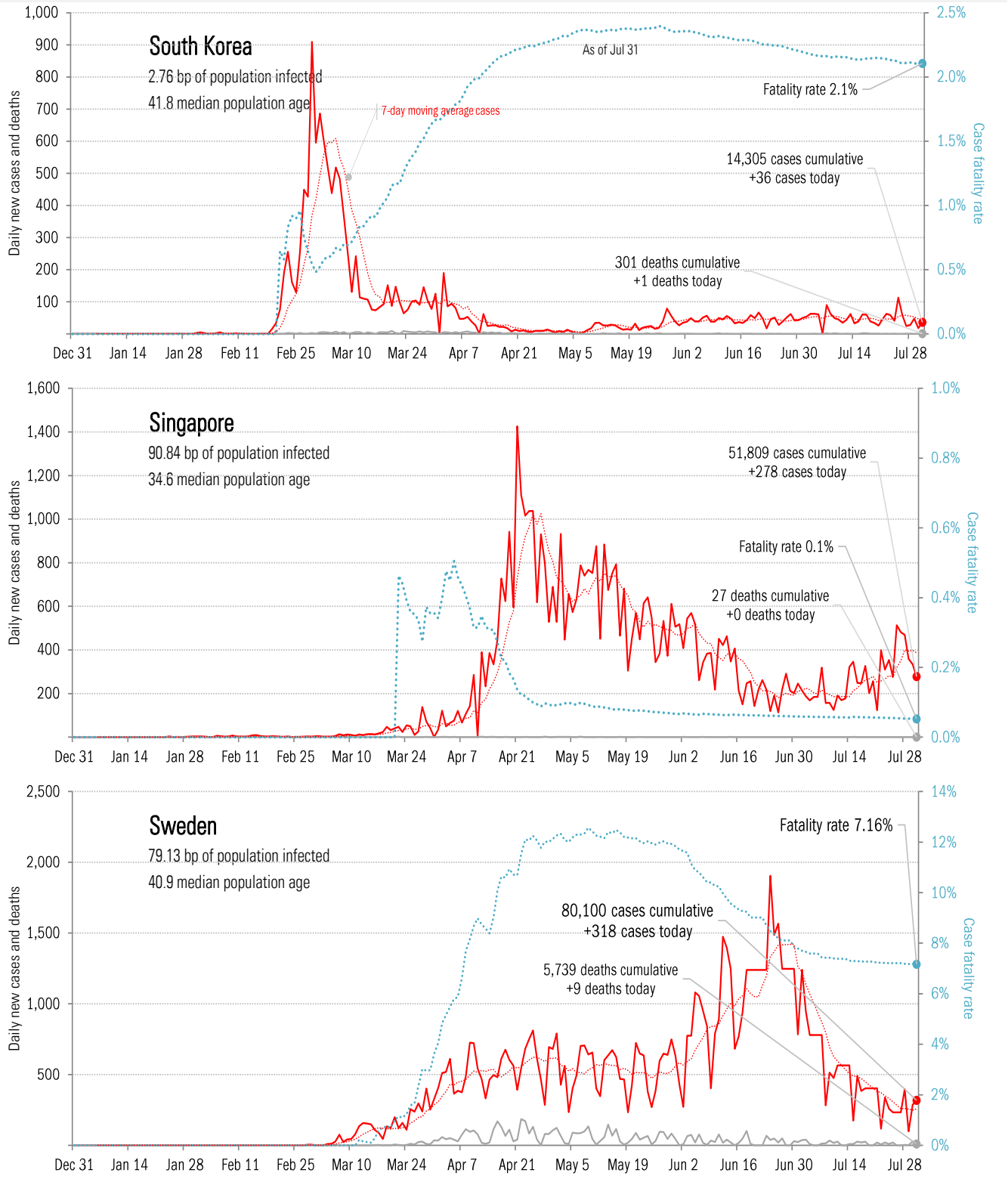
Source: ECDC, TrendMacro calculations

Impact in continental Europe



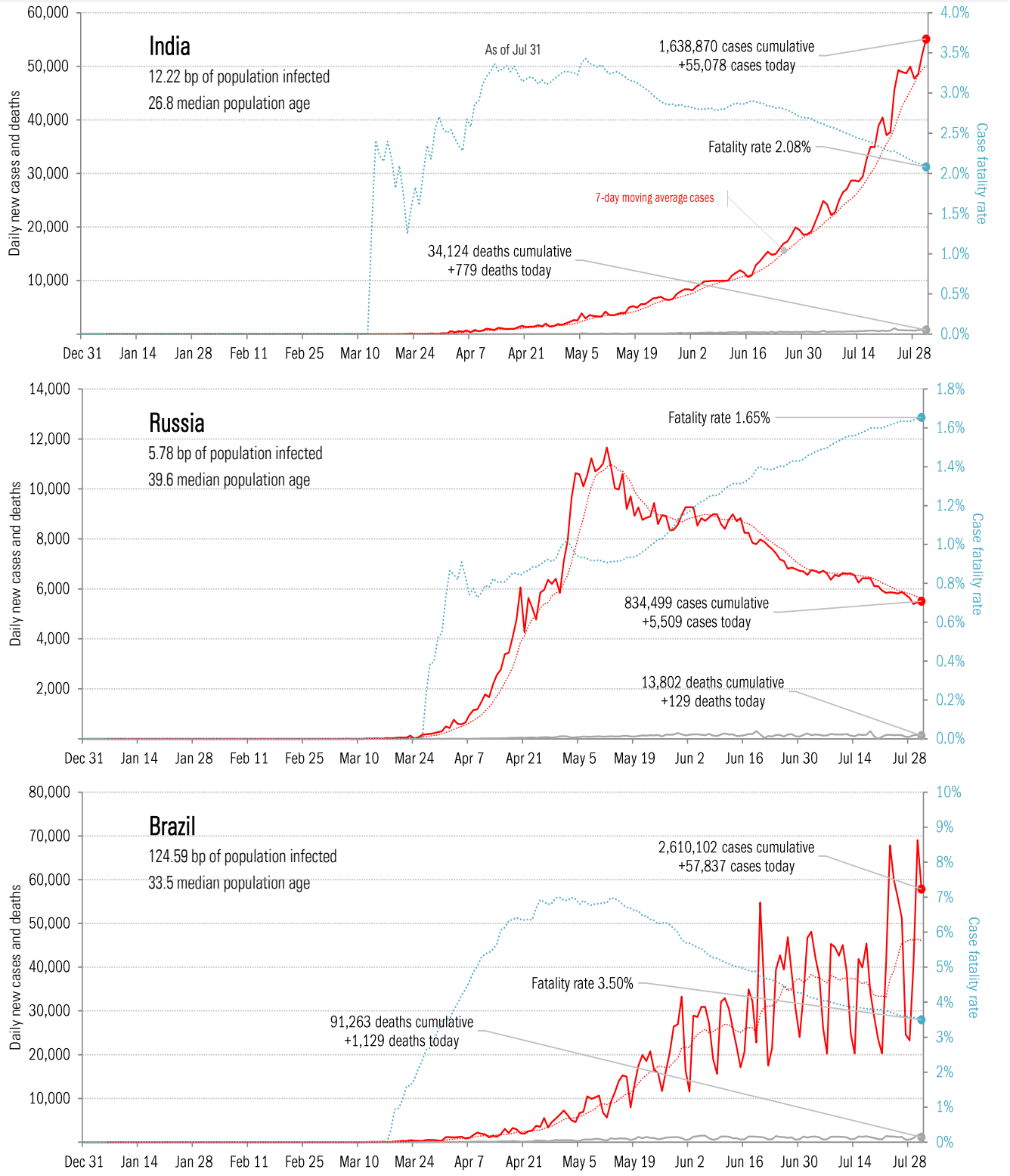
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



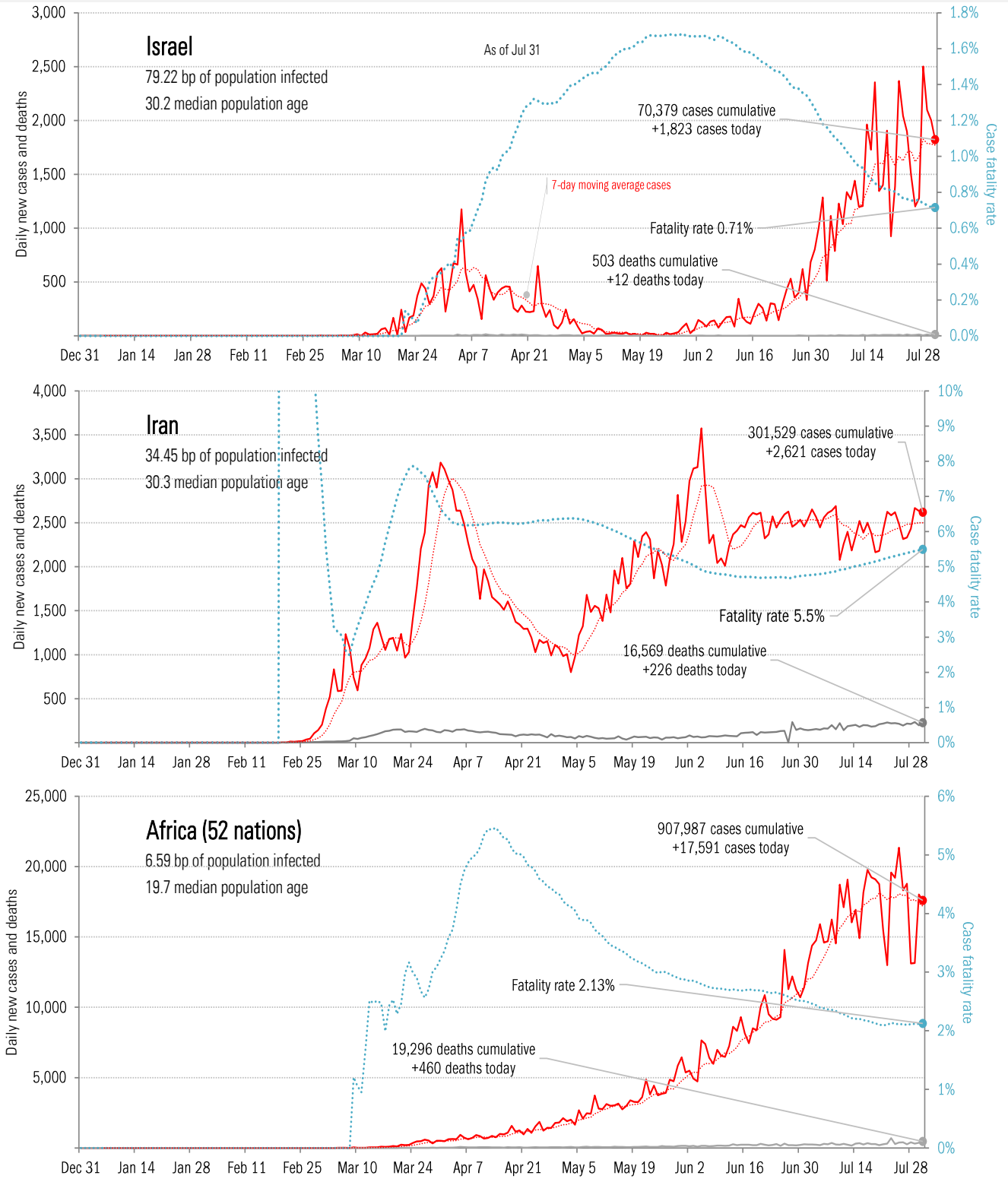
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations