Trend Macrolytics, LLC
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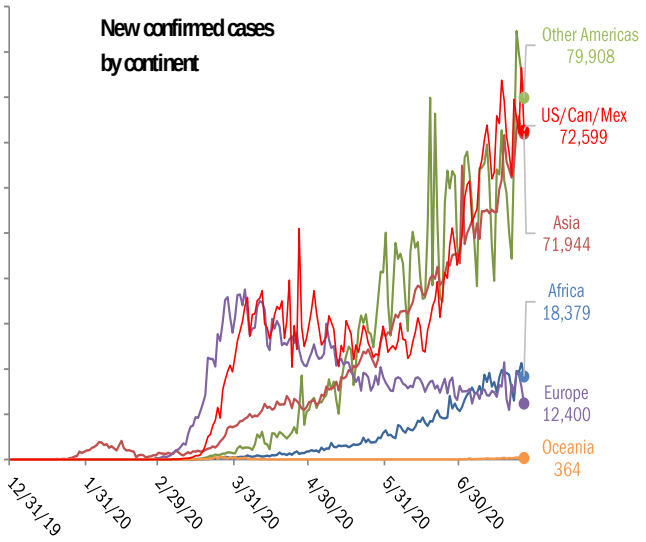
Data Insights: Covid-2019 Monitor

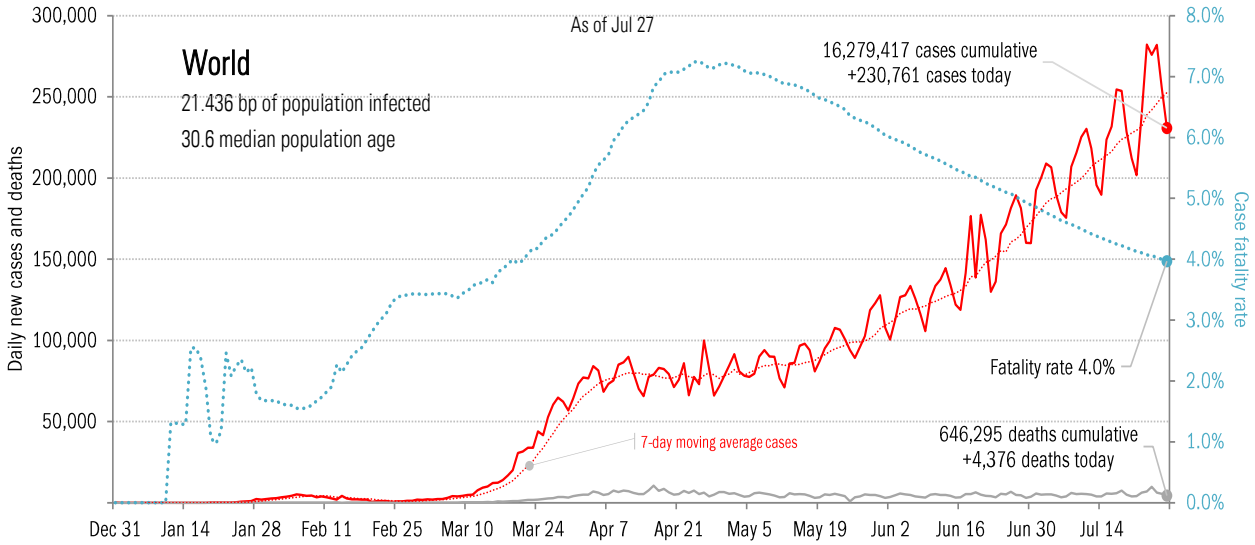
Monday, July 27, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+55,993	India	+708
India	+49,931	Iran	+626
Brazil	+24,578	Brazil	+555
South_Africa	+11,233	US	+475
Argentina	+9,006	Mexico	+306
Colombia	+8,181	Colombia	+256
Iran	+7,138	Peru	+199
Russia	+5,765	South_Africa	+114
Mexico	+5,480	Argentina	+92
Peru	+4,913	Chile	+92
	+182,218		+3,423
World	+230,761	World	+4,376
Top ten	79%	Top ten	78%





Source: ECDC, TrendMacro calculations

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The US scorecard

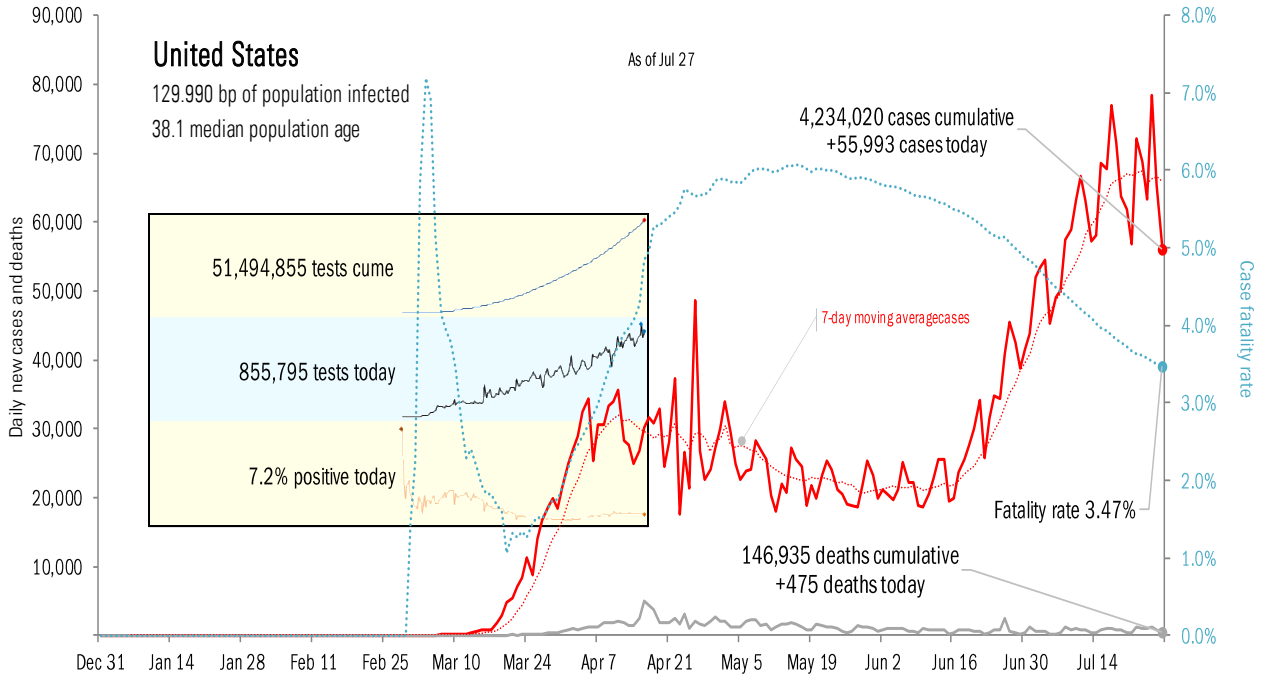
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
FL	+9,344	TX	+153	FL	+335	CA	453,659	NY	25,106	NY	89,995
CA	+8,259	CA	+79	IN	+221	FL	423,855	NJ	15,787	FL	24,421
TX	+5,810	FL	+78	AR	+181	NY	411,736	MA	8,529	NJ	21,314
LA	+3,840	LA	+48	MD	+95	TX	381,656	CA	8,416	GA	17,091
TN	+3,140	SC	+26	AZ	+79	NJ	179,363	IL	7,590	MD	12,283
GA	+2,765	AZ	+19	OK	+67	IL	172,666	PA	7,118	VA	12,056
AZ	+1,973	MA	+19	GA	+62	GA	167,953	MI	6,400	MA	11,828
NC	+1,621	AL	+17	VA	+55	AZ	162,014	FL	5,972	CT	10,712
MI	+1,589	MO	+15	OH	+54	MA	115,637	TX	5,038	OH	10,199
IL	+1,541	MS	+15	TN	+48	NC	112,713	CT	4,413	AL	9,157
	+39,882		+469		+1,197		2,581,252		94,369		219,056
All states	+61,713	All states	+558	All states	+1,435	All states	4,220,054	All states	139,250	All states	292,782
Top ten	65%	Top ten	84%	Top ten	83%	Top ten	61%	Top ten	68%	Top ten	75%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-2,855	AZ	-125	GA	-215	TX	+7,597
CA	-1,807	CA	-72	FL	-176	MI	+2,340
AZ	-1,767	SC	-54	NJ	-130	AR	+1,795
GA	-1,022	GA	-50	VA	-120	TN	+922
AL	-961	FL	-48	AZ	-87	MN	+806



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

Recommended reading

[Swedish companies reap benefits of country's Covid-19 approach](#)
Richard Milne
Financial Times
July 27, 2020

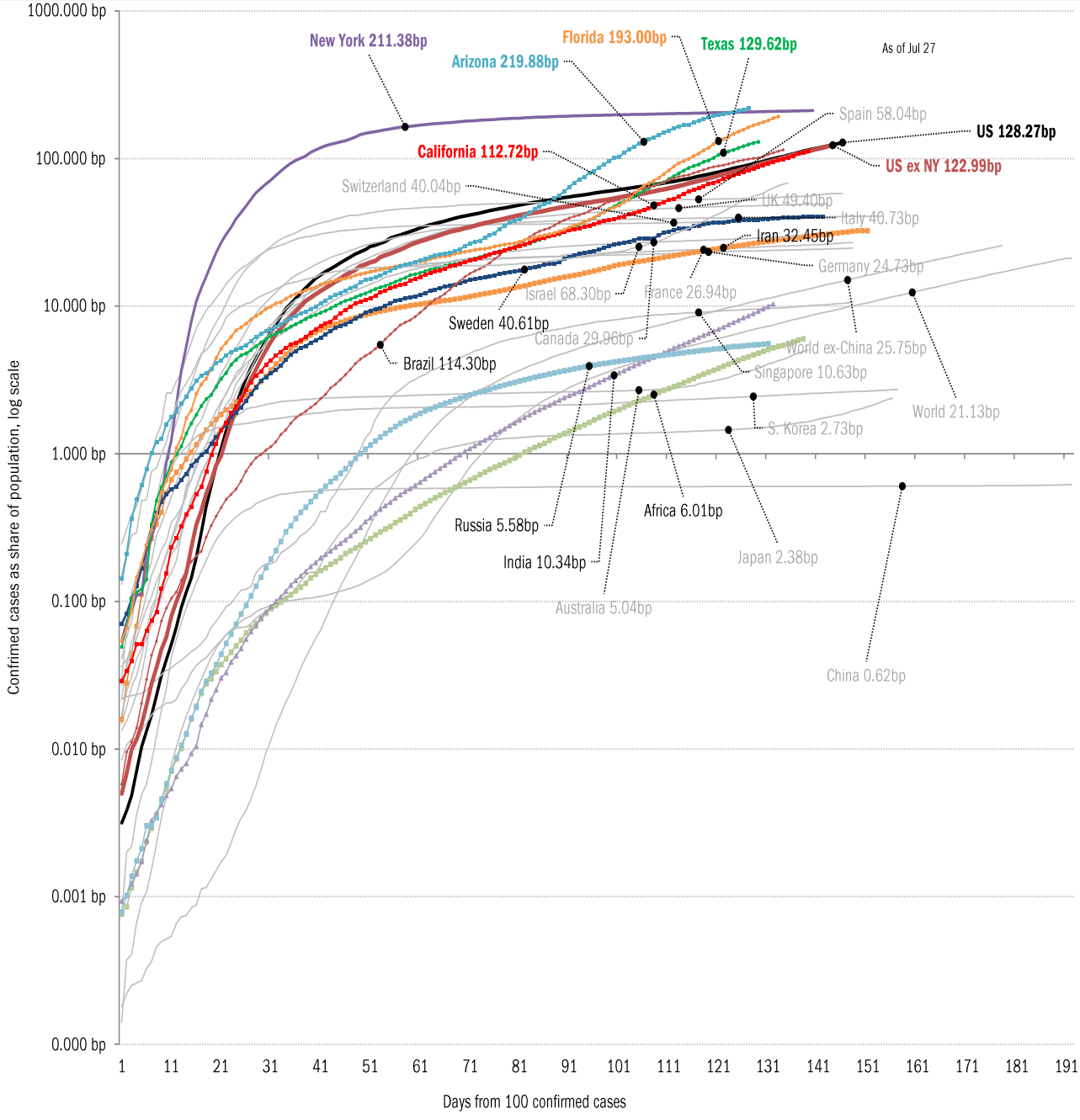
[Hoping to Understand the Virus, Everyone Is Parsing a Mountain of Data](#)
Julie Bosman
New York Times
July 27, 2020

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

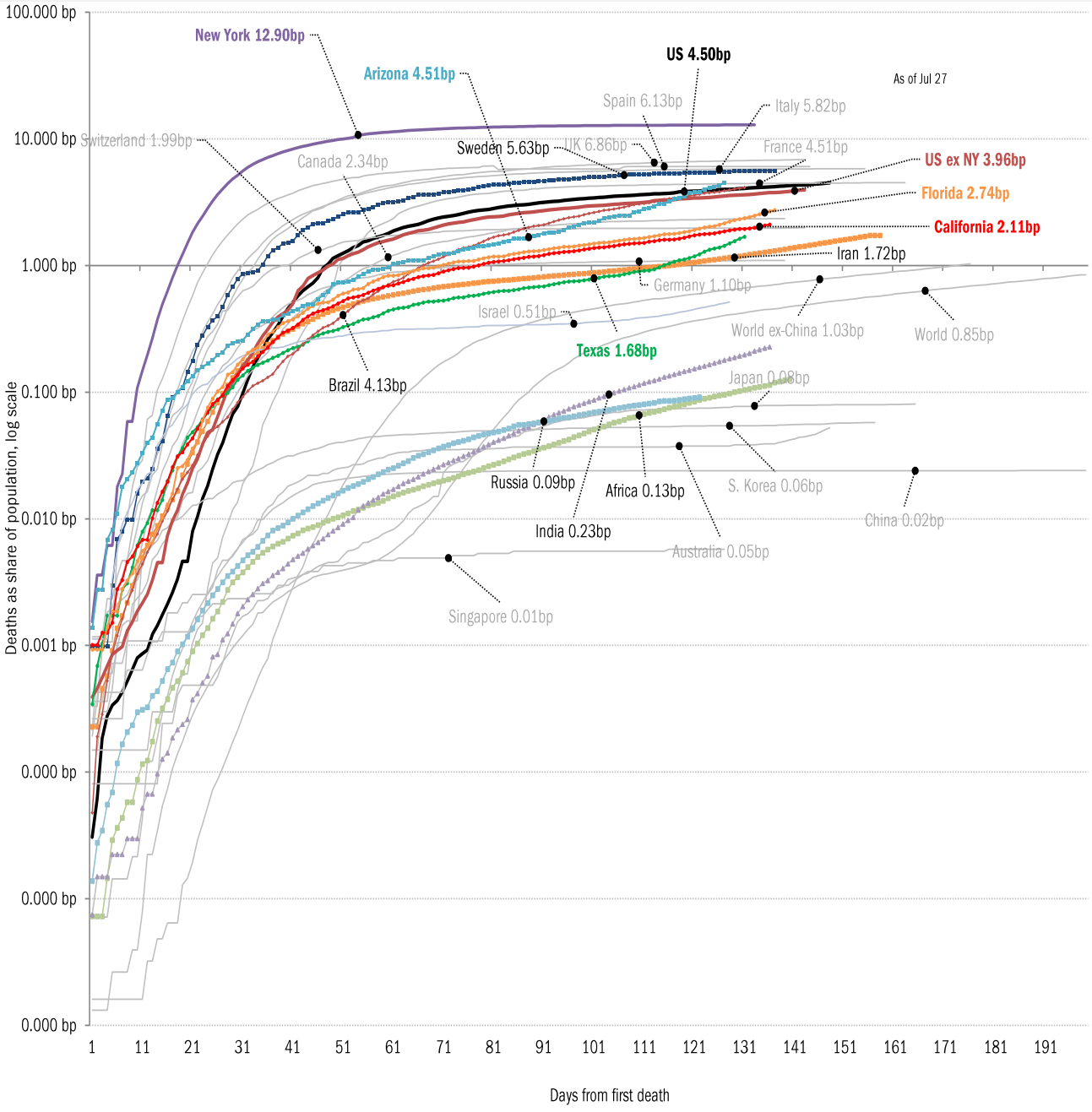
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

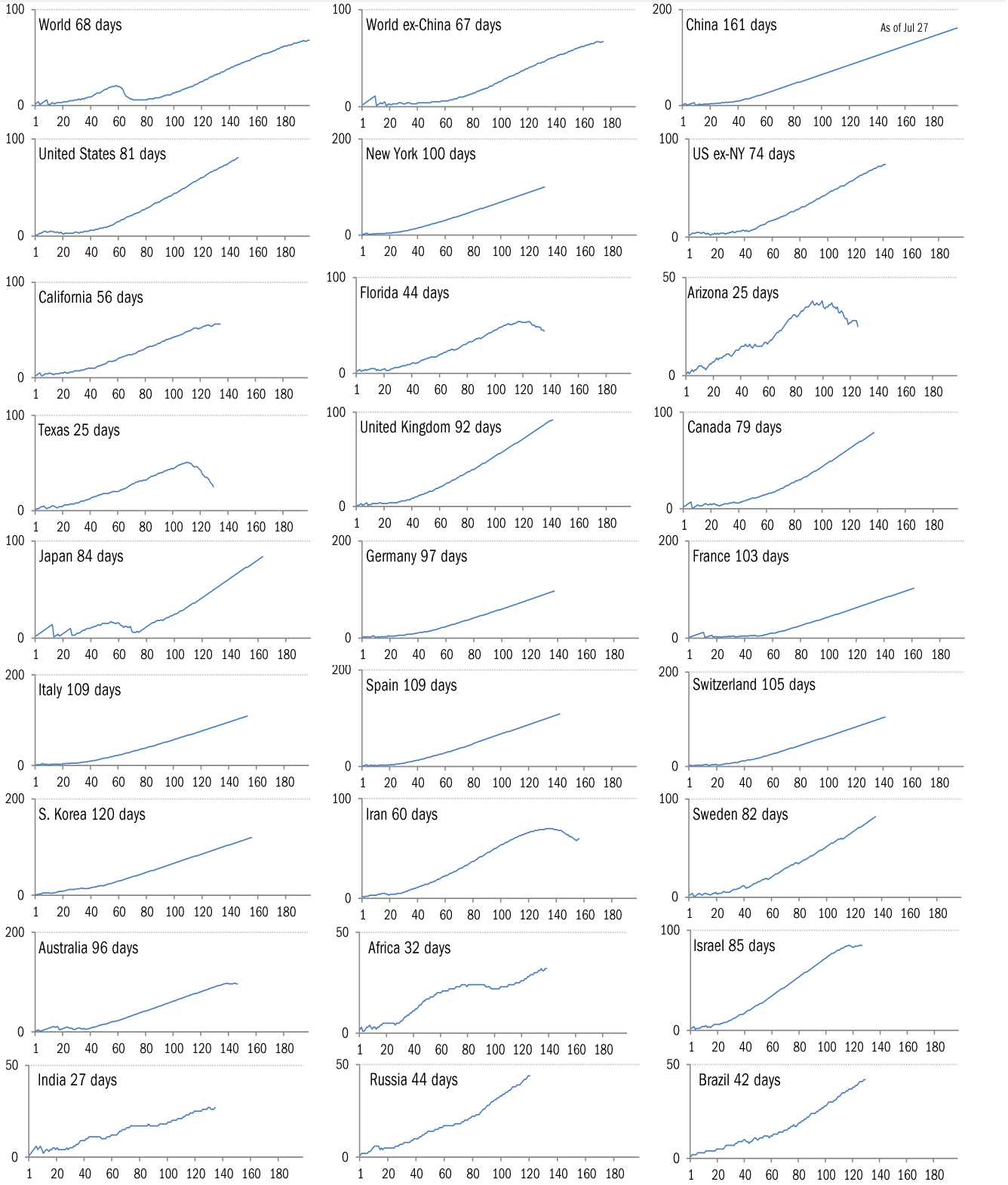
Share of deceased population from day of first fatality



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

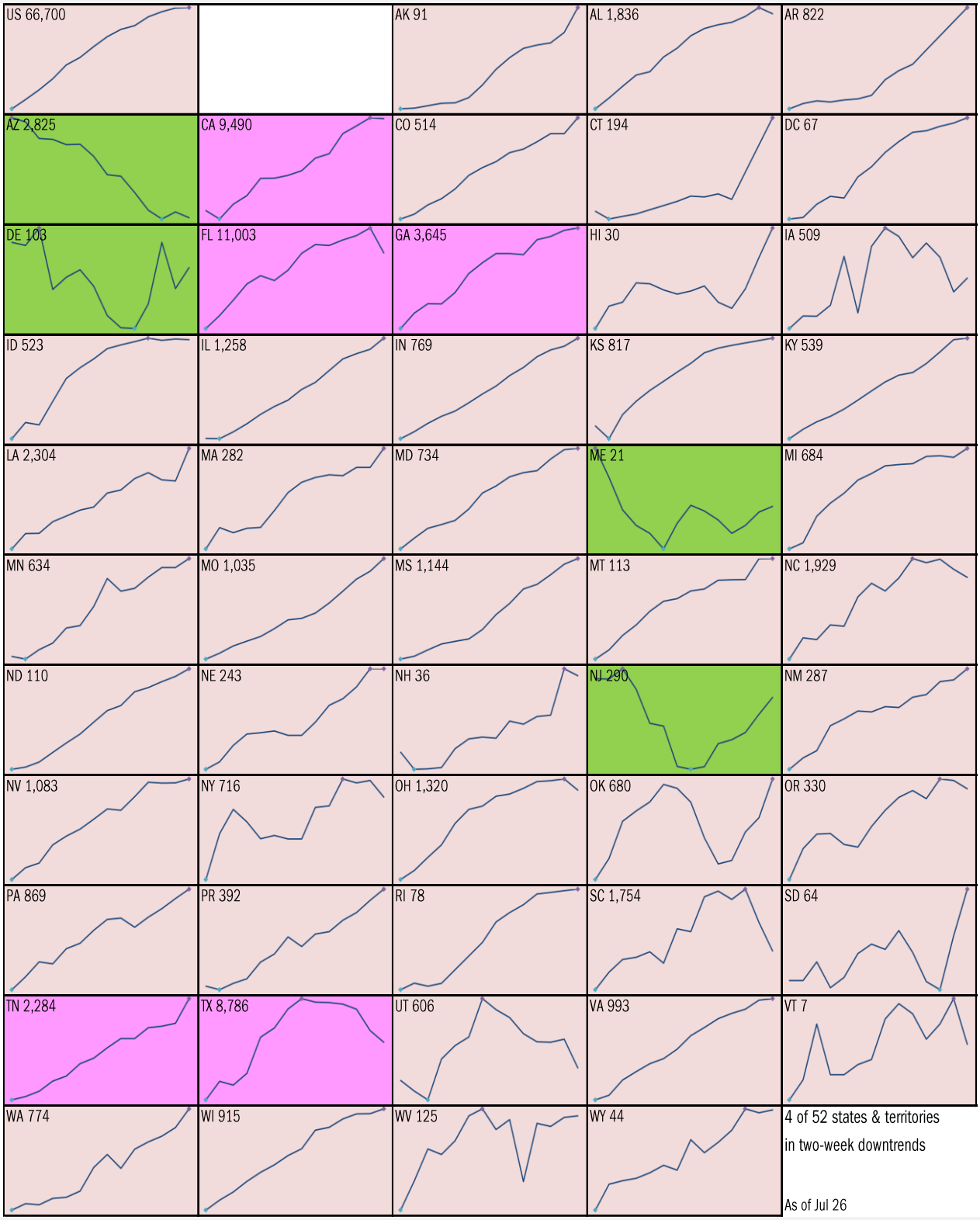


Source: ECDC, TrendMacro calculations

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

Downward trajectory Five best Upward trajectory Five worst

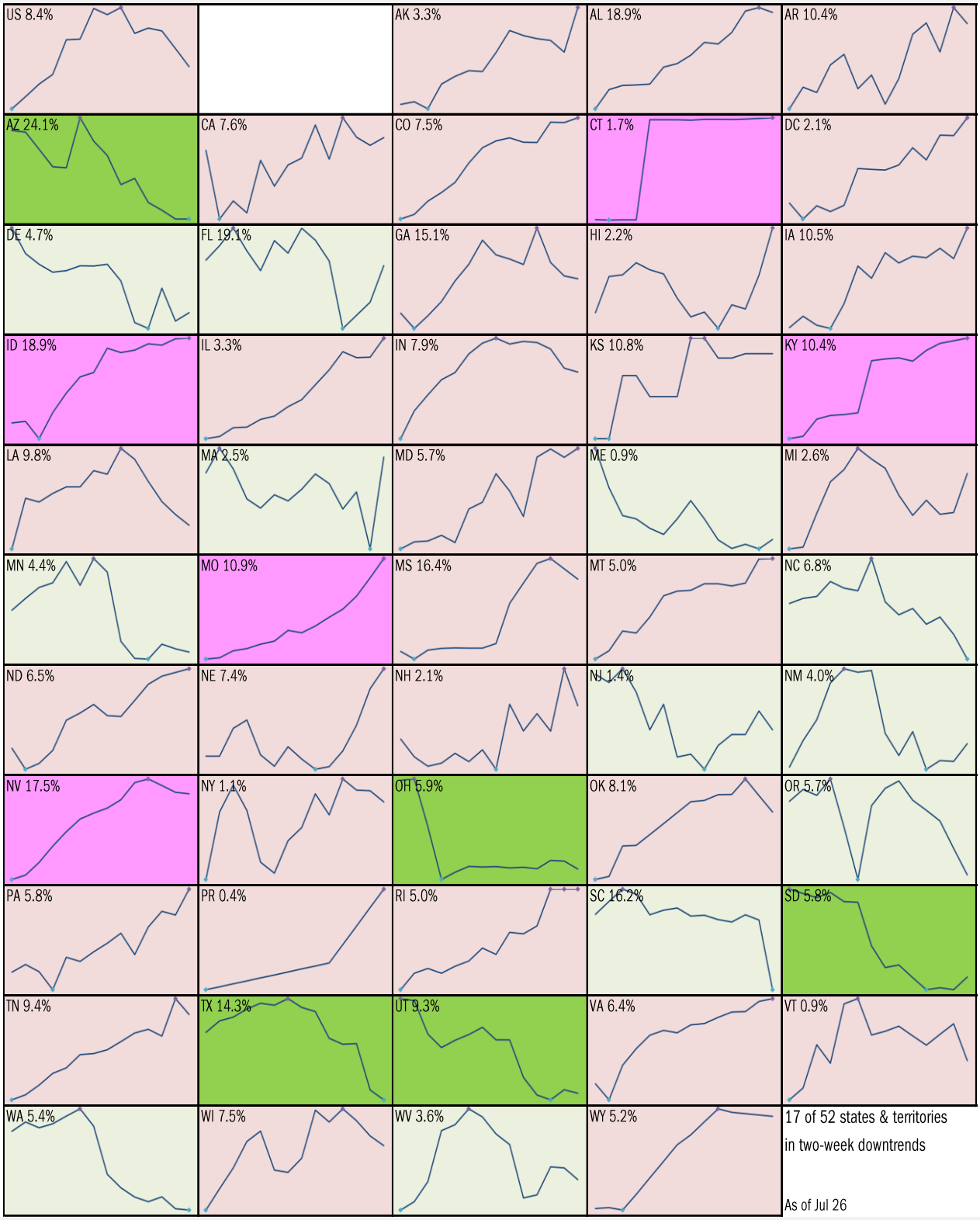


Source: Covid Tracking Project, TrendMacro calculations

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

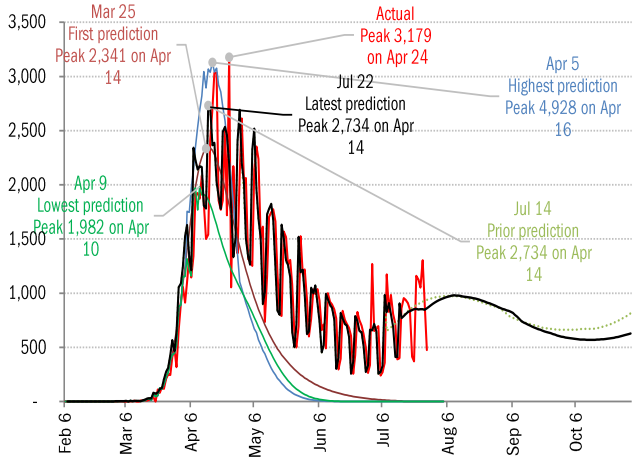


Source: Covid Tracking Project, TrendMacro calculations

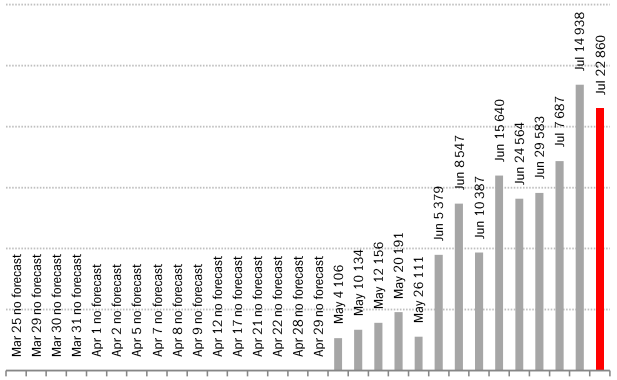
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Jul 27

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

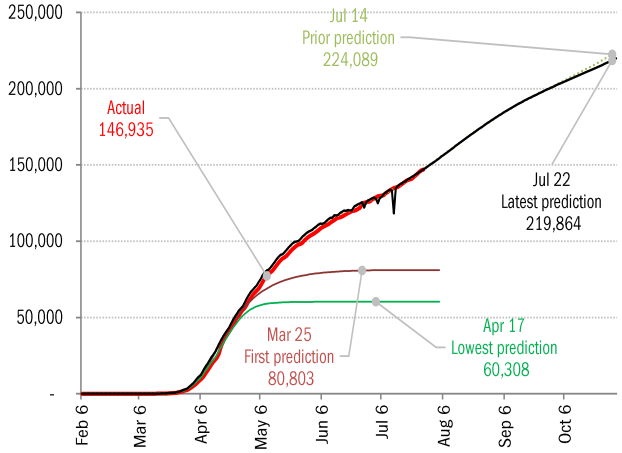


For this day, versus all model mean predictions

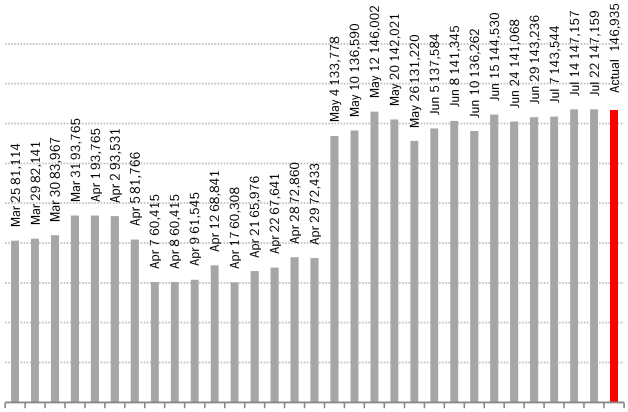


Cumulative fatalities

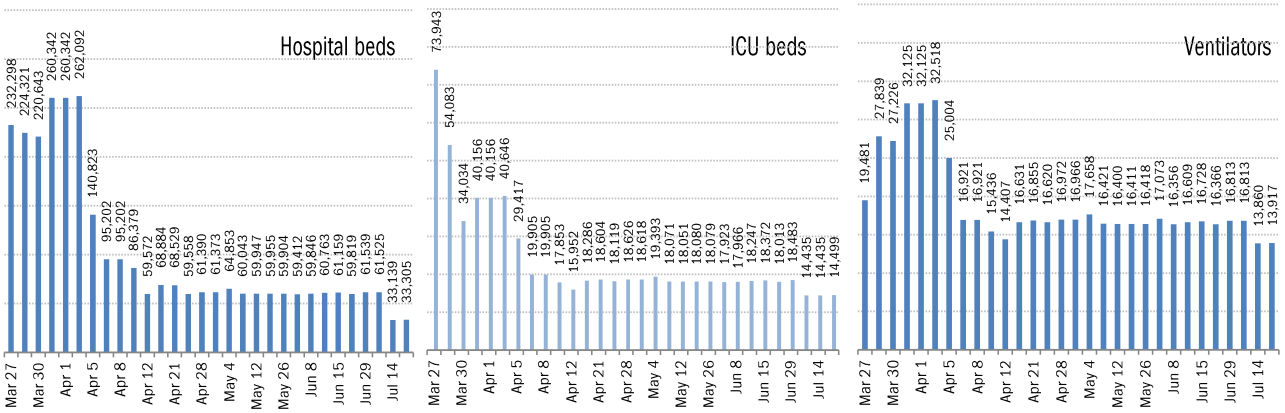
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

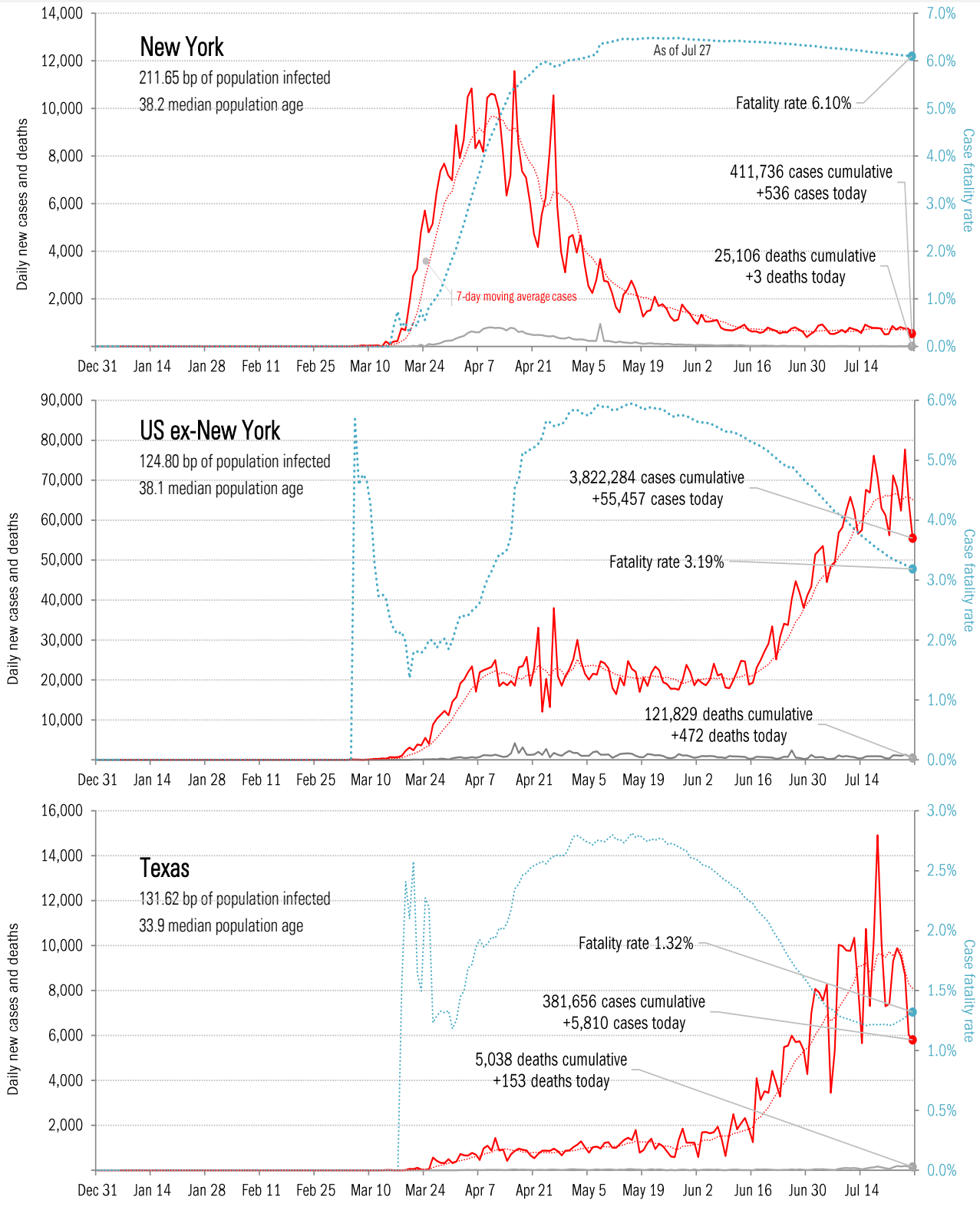


Healthcare system stress, peak estimated at each model revision



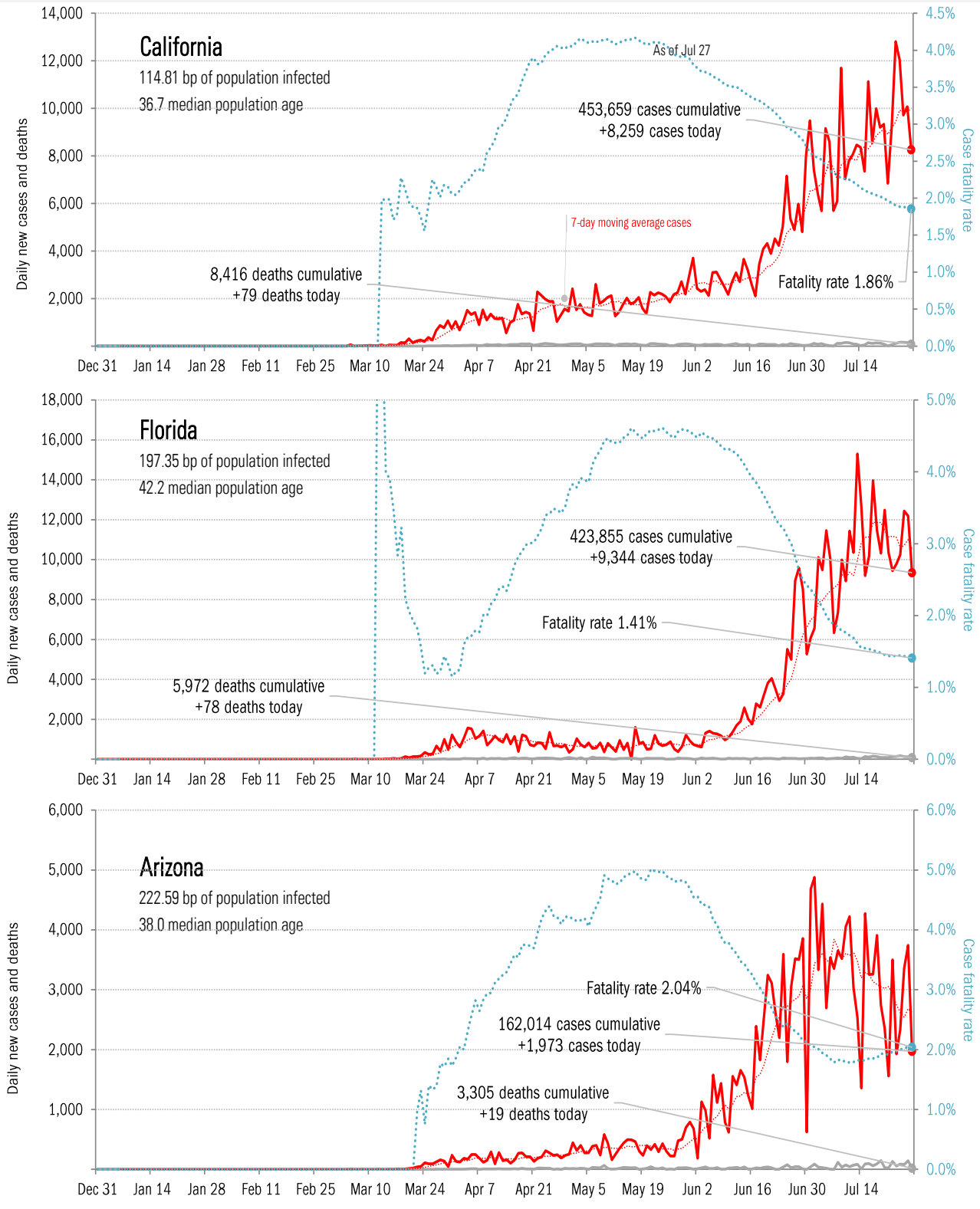
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



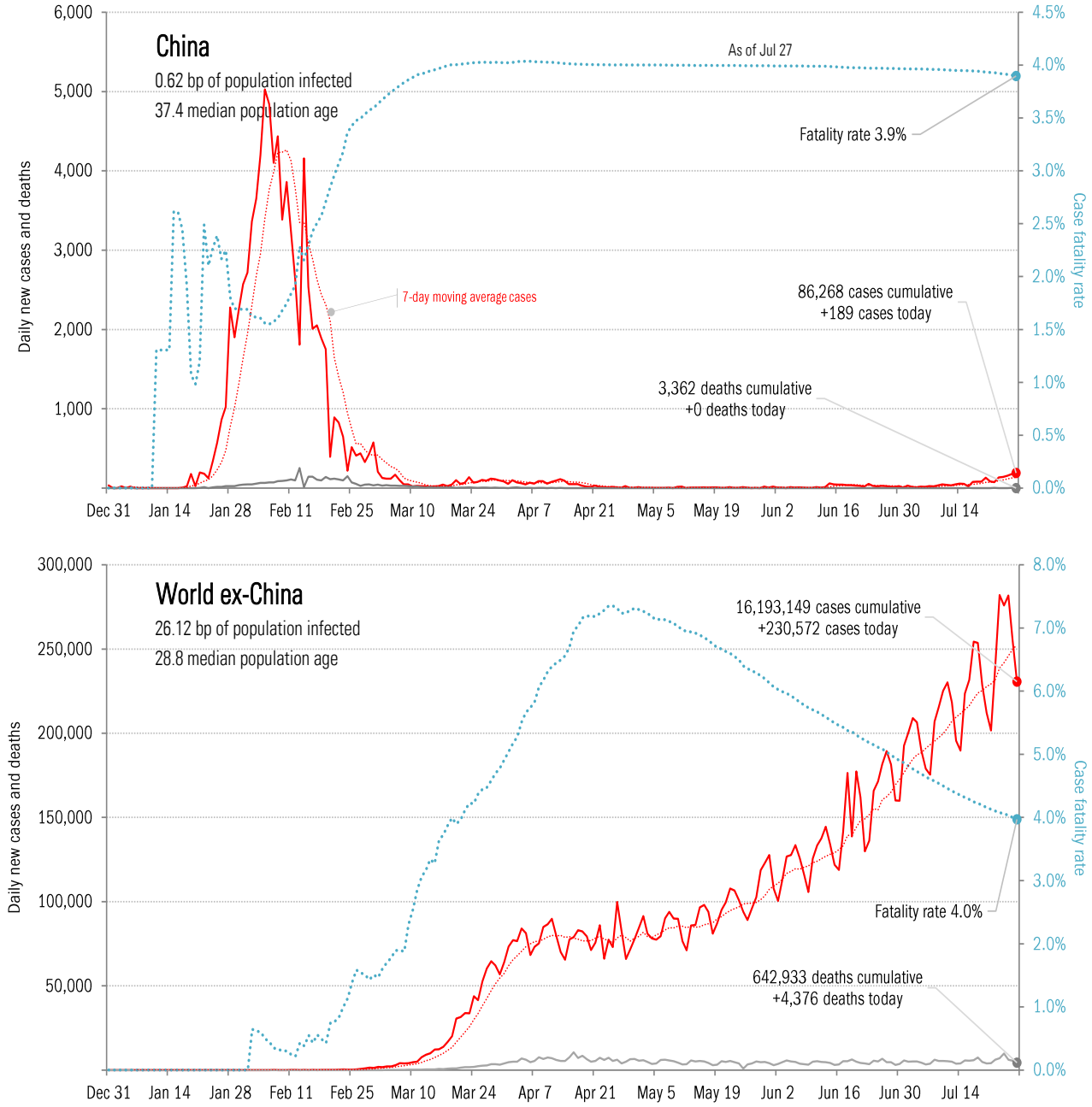
Source: ECDC, TrendMacro calculations

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



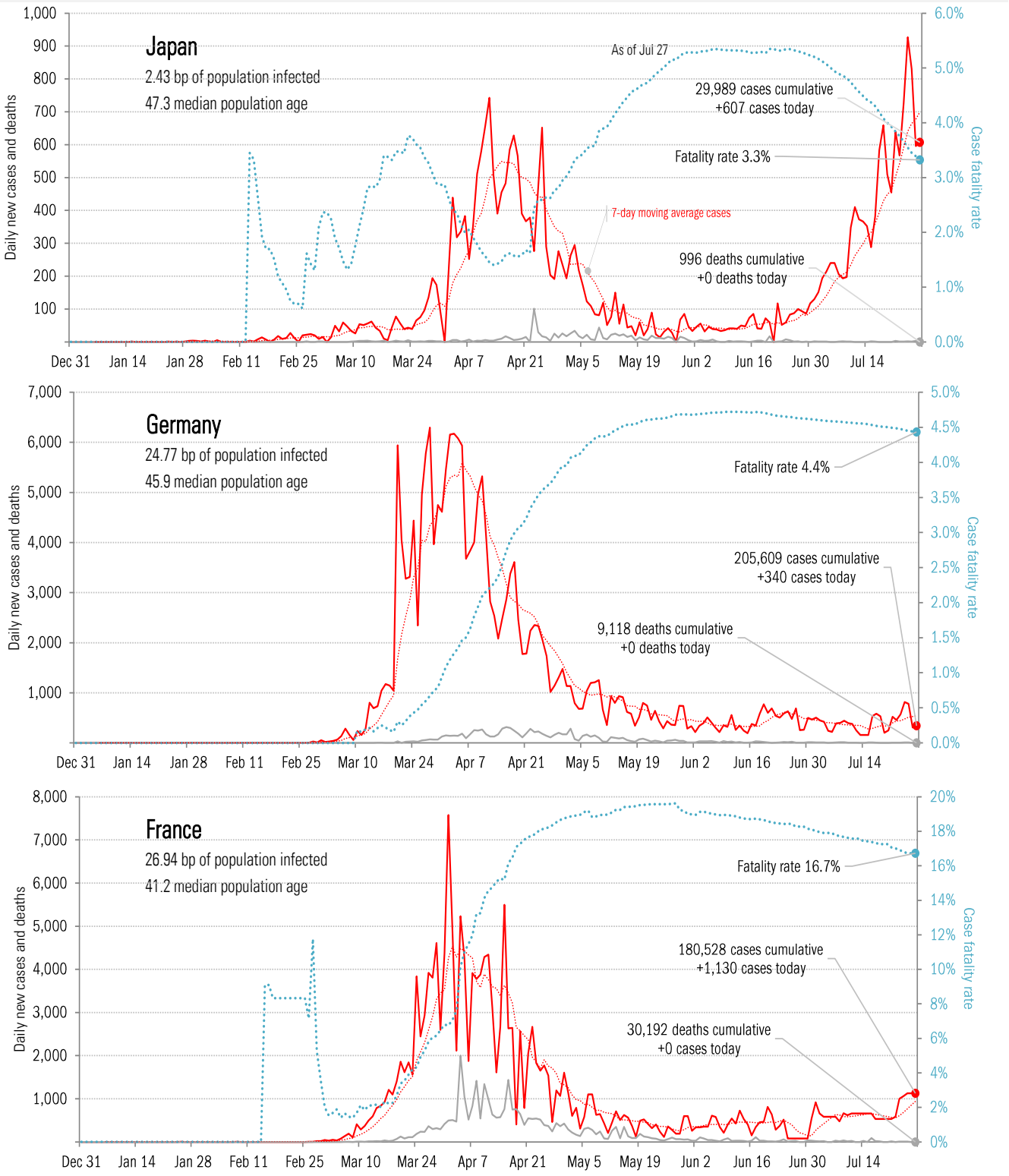
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



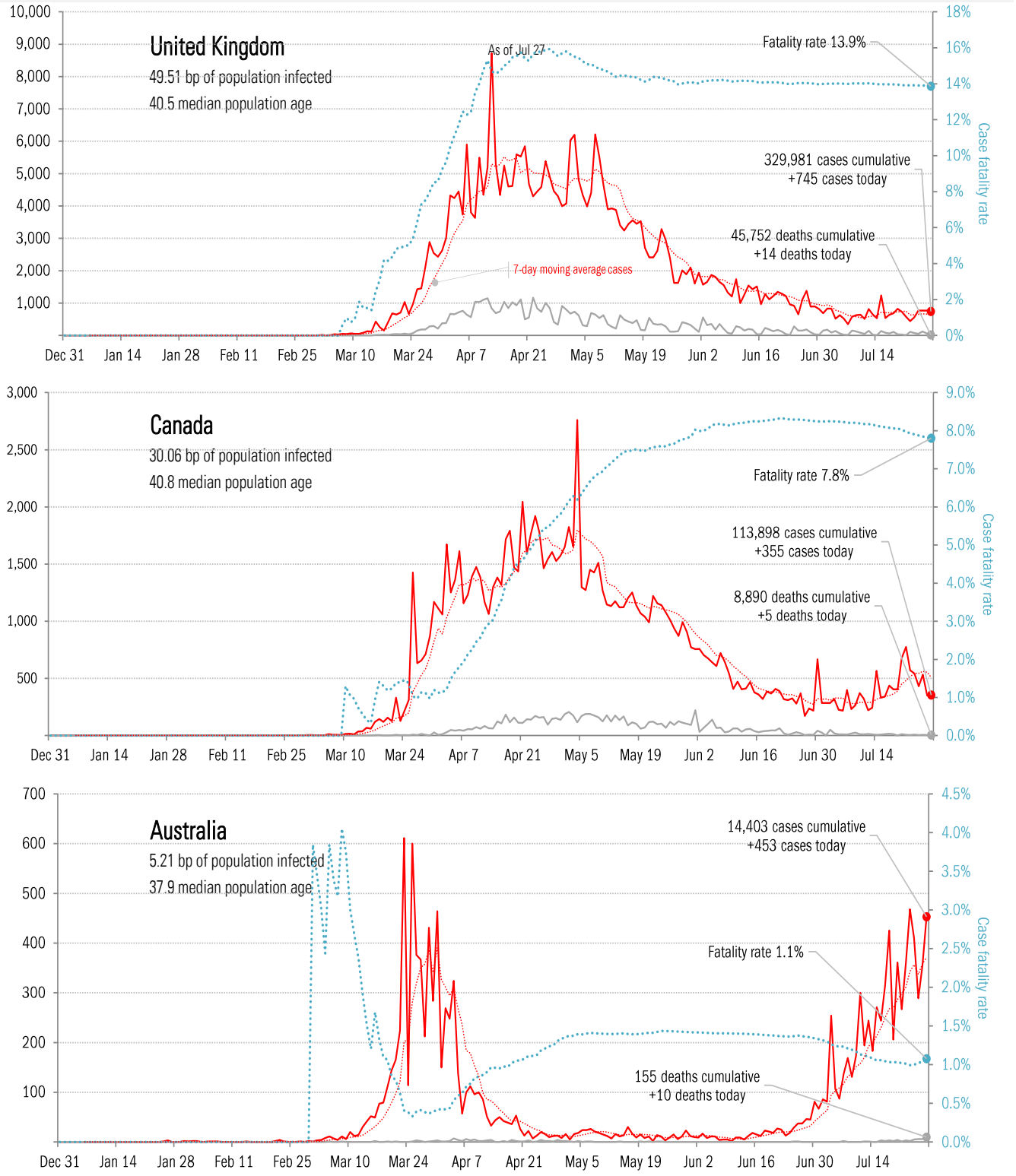
Source: ECDC, TrendMacro calculations

Impact in the largest economies



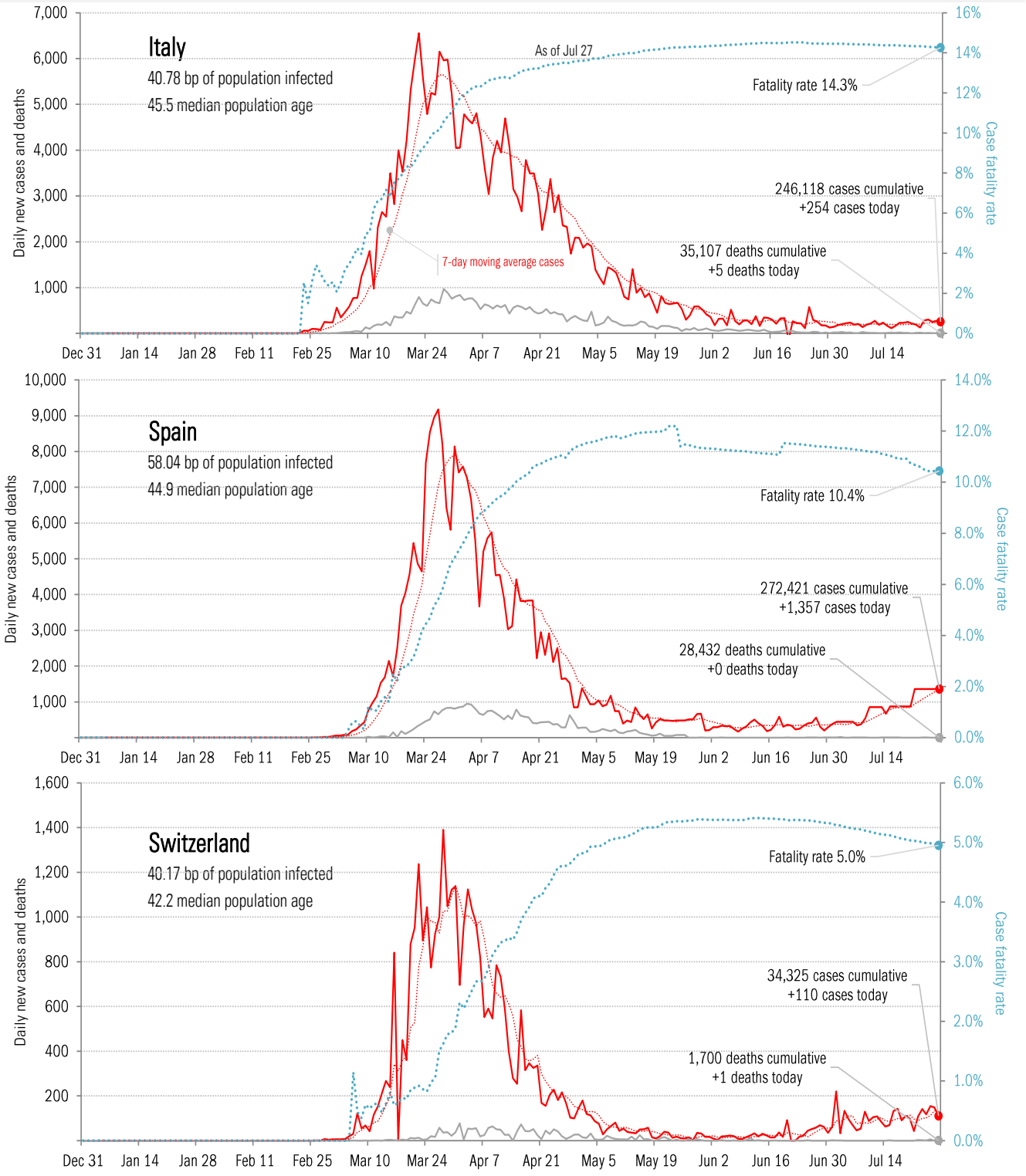
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



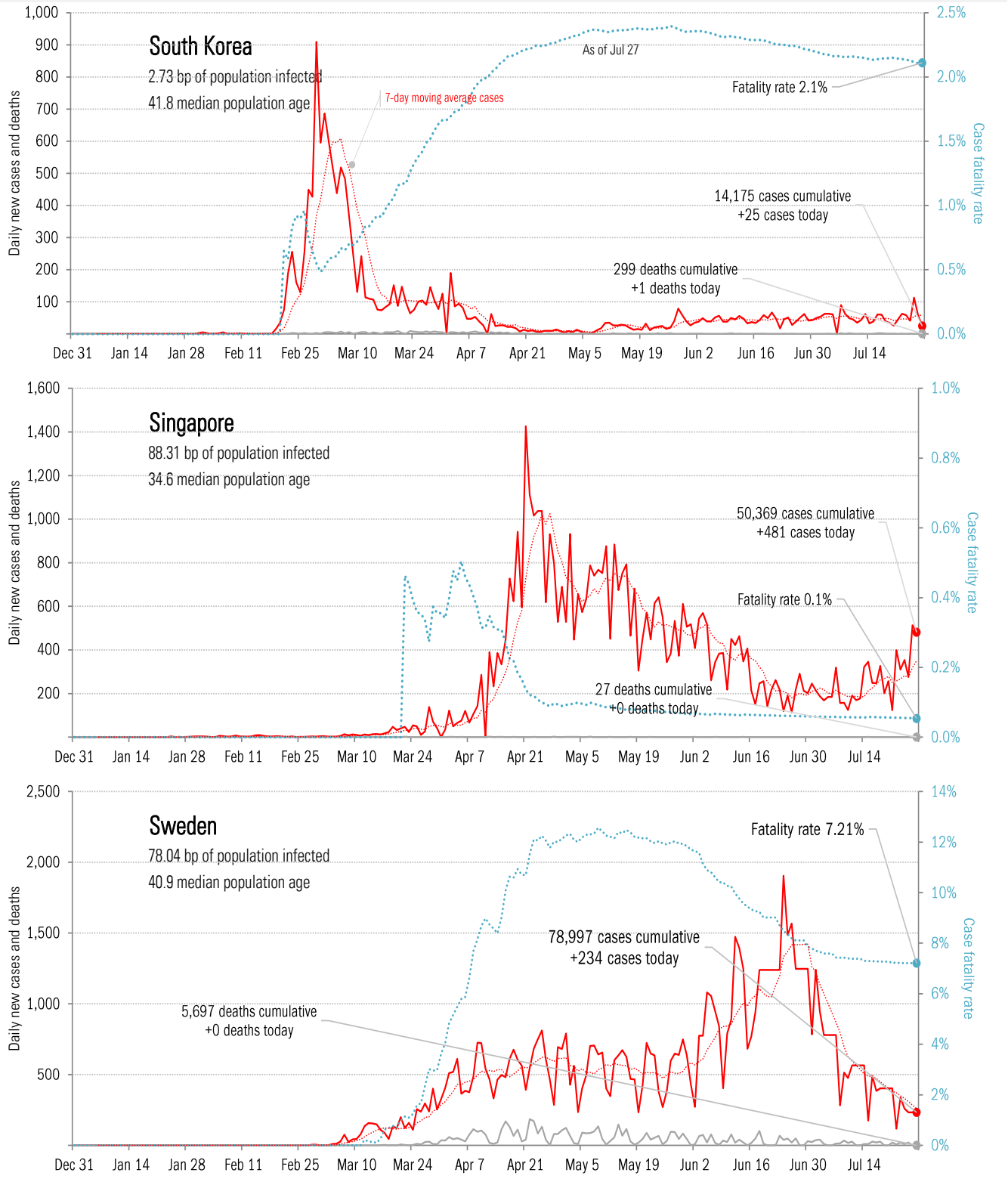
Source: ECDC, TrendMacro calculations

Impact in continental Europe



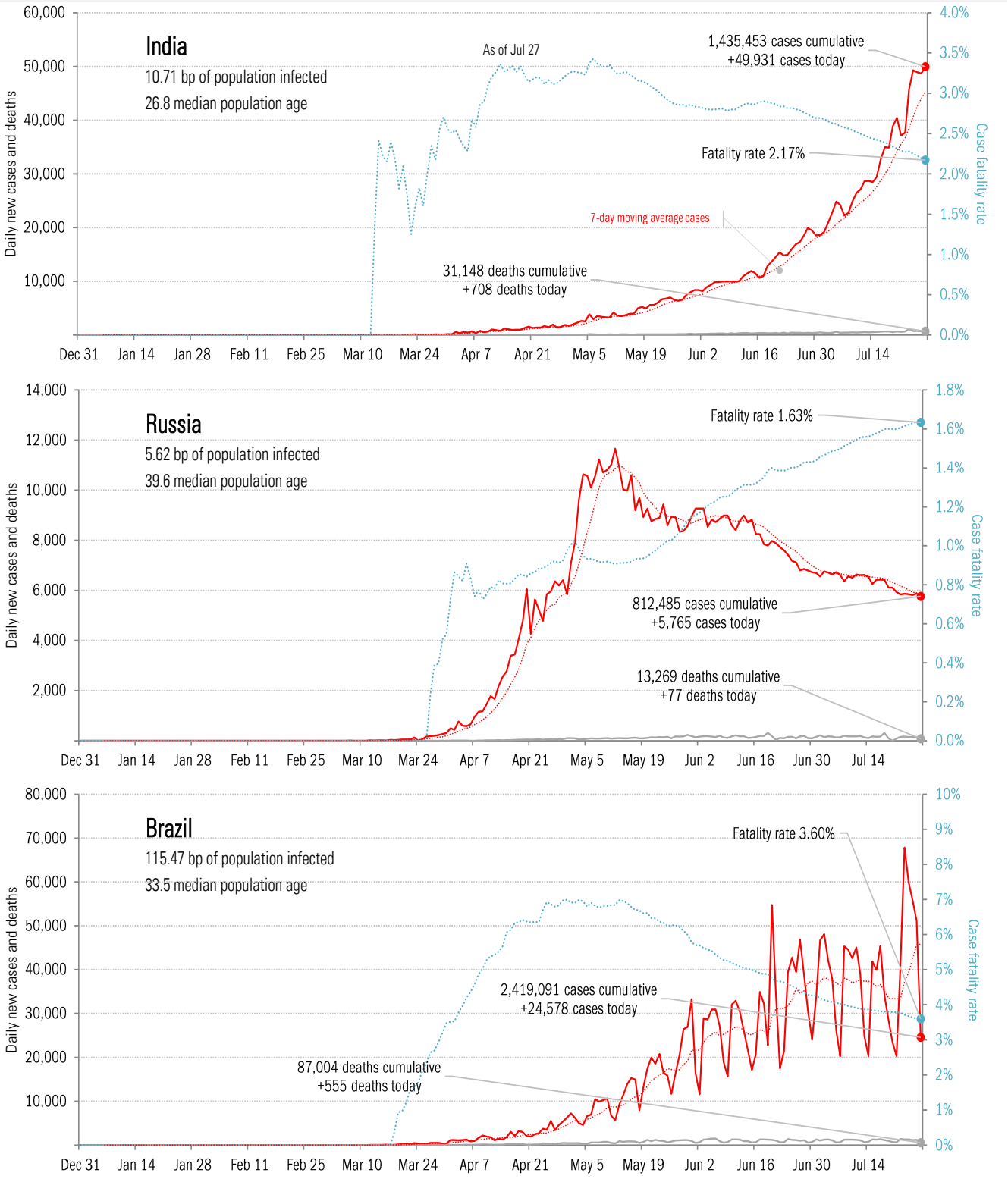
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



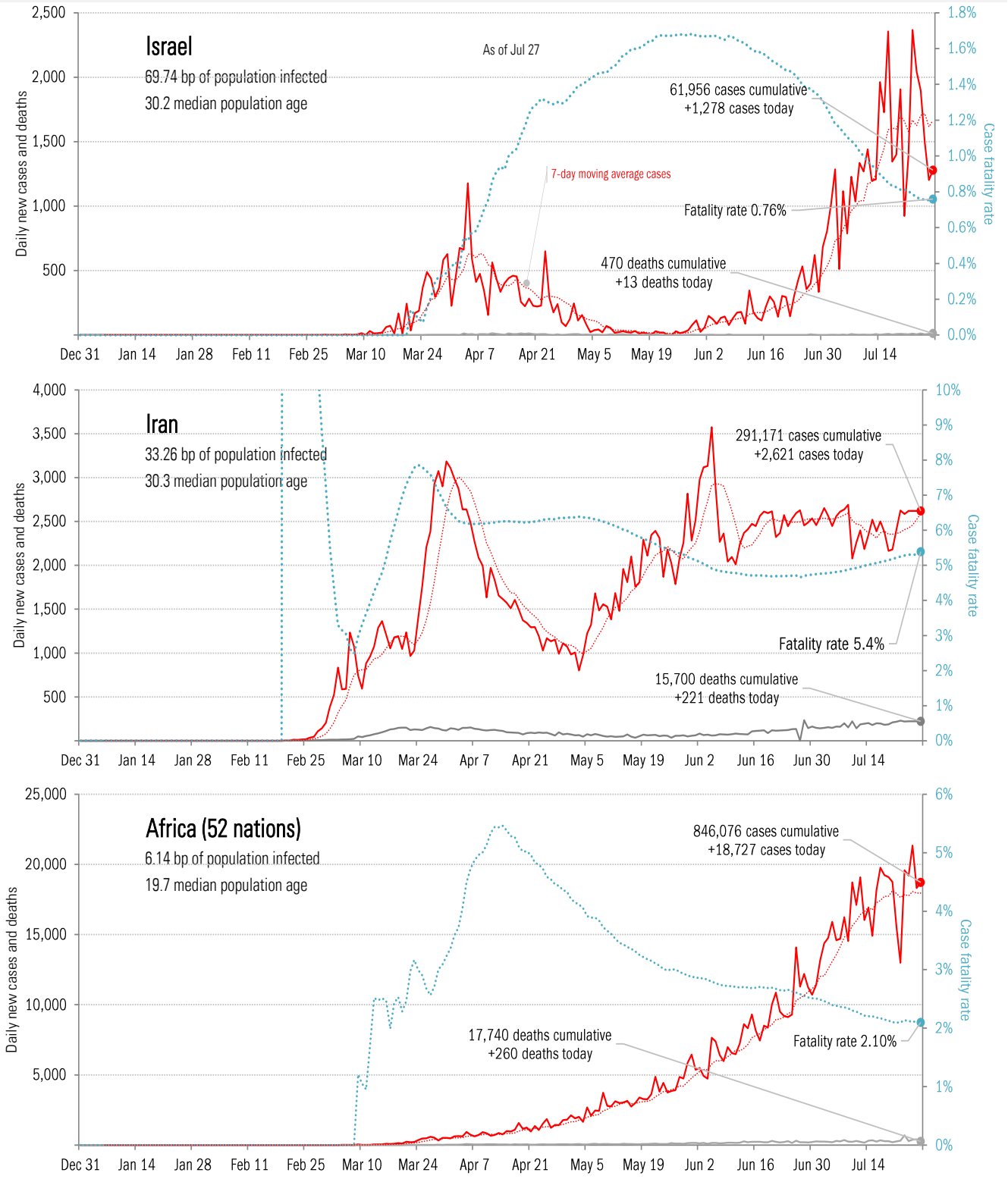
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations