Trend Macrolytics, LLC
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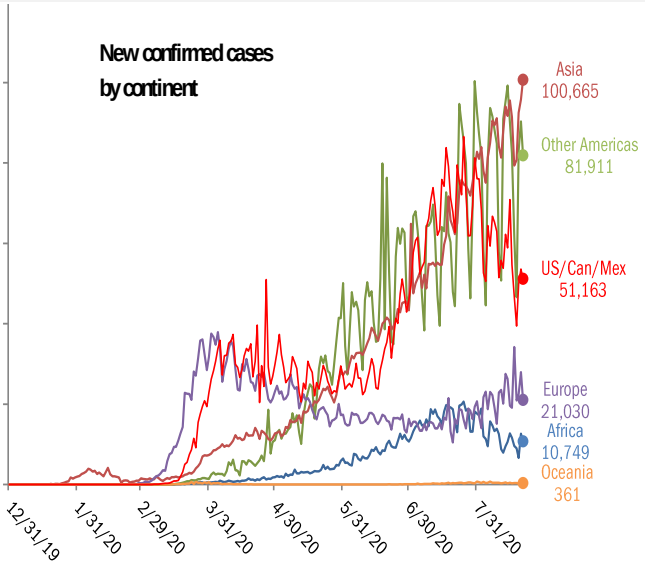
Data Insights: Covid-2019 Monitor

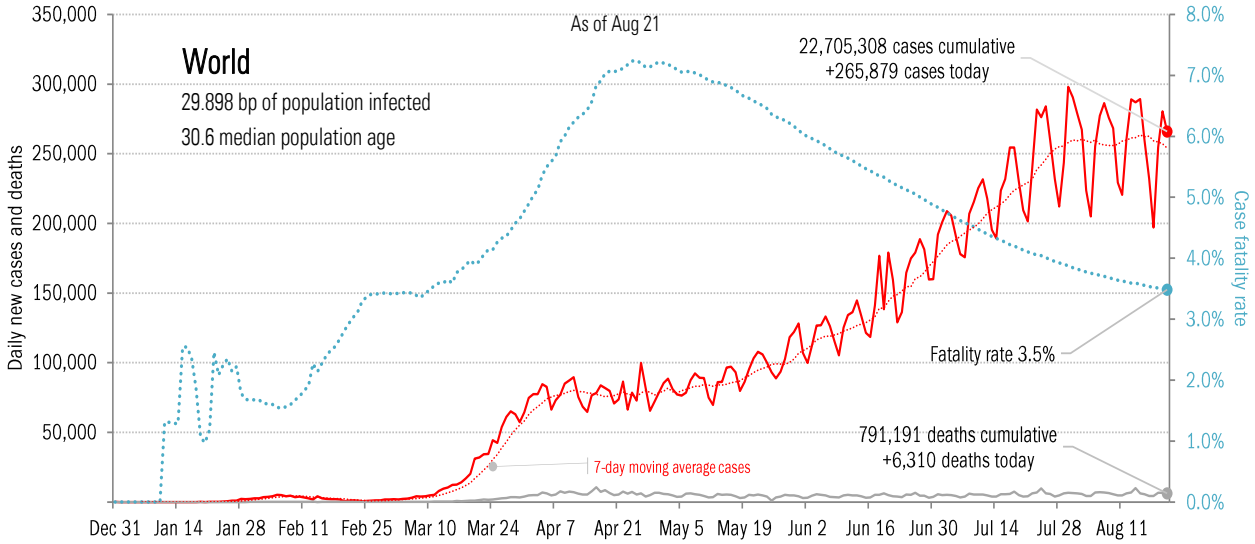
Friday, August 21, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+68,898	Brazil	+1,204
Brazil	+45,323	US	+1,078
US	+44,005	India	+983
Colombia	+11,541	Mexico	+625
Peru	+8,639	Argentina	+292
Mexico	+6,775	Iran	+292
Argentina	+6,693	Colombia	+204
Russia	+4,785	Peru	+200
France	+4,771	South_Africa	+195
Iran	+4,723	Russia	+110
	+206,153		+5,183
World	+265,879	World	+6,310
Top ten	78%	Top ten	82%





Source: ECDC, TrendMacro calculations

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The US scorecard

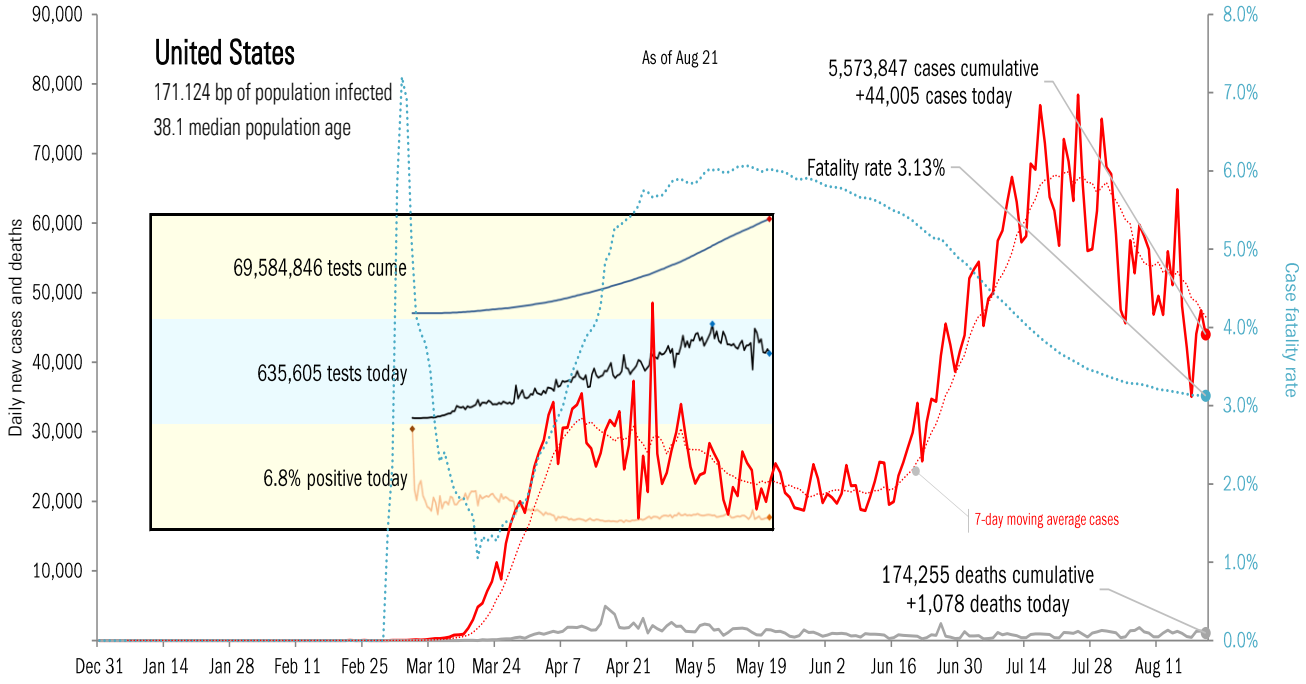
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+5,920	TX	+234	FL	+450	CA	644,751	NY	25,275	NY	89,995
TX	+5,303	CA	+163	AL	+250	FL	588,602	NJ	15,932	FL	36,070
FL	+4,555	FL	+119	GA	+216	TX	562,559	CA	11,686	GA	22,880
GA	+2,759	GA	+55	VA	+125	NY	427,803	TX	10,793	NJ	22,359
NC	+1,972	AZ	+50	AZ	+123	GA	246,741	FL	10,186	AZ	21,143
IL	+1,832	SC	+41	TN	+87	IL	215,053	MA	8,888	VA	15,357
TN	+1,375	NV	+38	OH	+86	AZ	196,280	IL	8,044	MD	13,785
OH	+1,122	TN	+36	OK	+76	NJ	188,527	PA	7,538	AL	13,330
MO	+1,058	NC	+34	CT	+72	NC	149,904	MI	6,618	OH	12,615
AL	+971	AL	+30	IN	+55	LA	140,821	GA	4,904	MA	12,225
	+26,867		+800		+1,540		3,361,041		109,864		259,759
All states	+43,245	All states	+1,117	All states	+2,013	All states	5,546,172	All states	166,128	All states	355,283
Top ten	62%	Top ten	72%	Top ten	77%	Top ten	61%	Top ten	66%	Top ten	73%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-1,721	TX	-75	FL	-58	TX	+7,275
KS	-723	AZ	-55	KS	-56	AL	+3,161
MI	-688	FL	-55	CO	-39	PA	+1,895
TN	-647	LA	-27	WA	-32	TN	+1,882
MA	-514	MA	-25	MN	-25	OH	+1,220



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

Recommended reading

[Coronavirus outlier Sweden chooses its own path on face masks]
Richard Milne and Mehreen Khan
Financial Times
August 18, 2020

[Why is the 'anti-vaxxer' movement growing during a worldwide pandemic?]
David Crow and Kiran Stacey
Financial Times
August 19, 2020

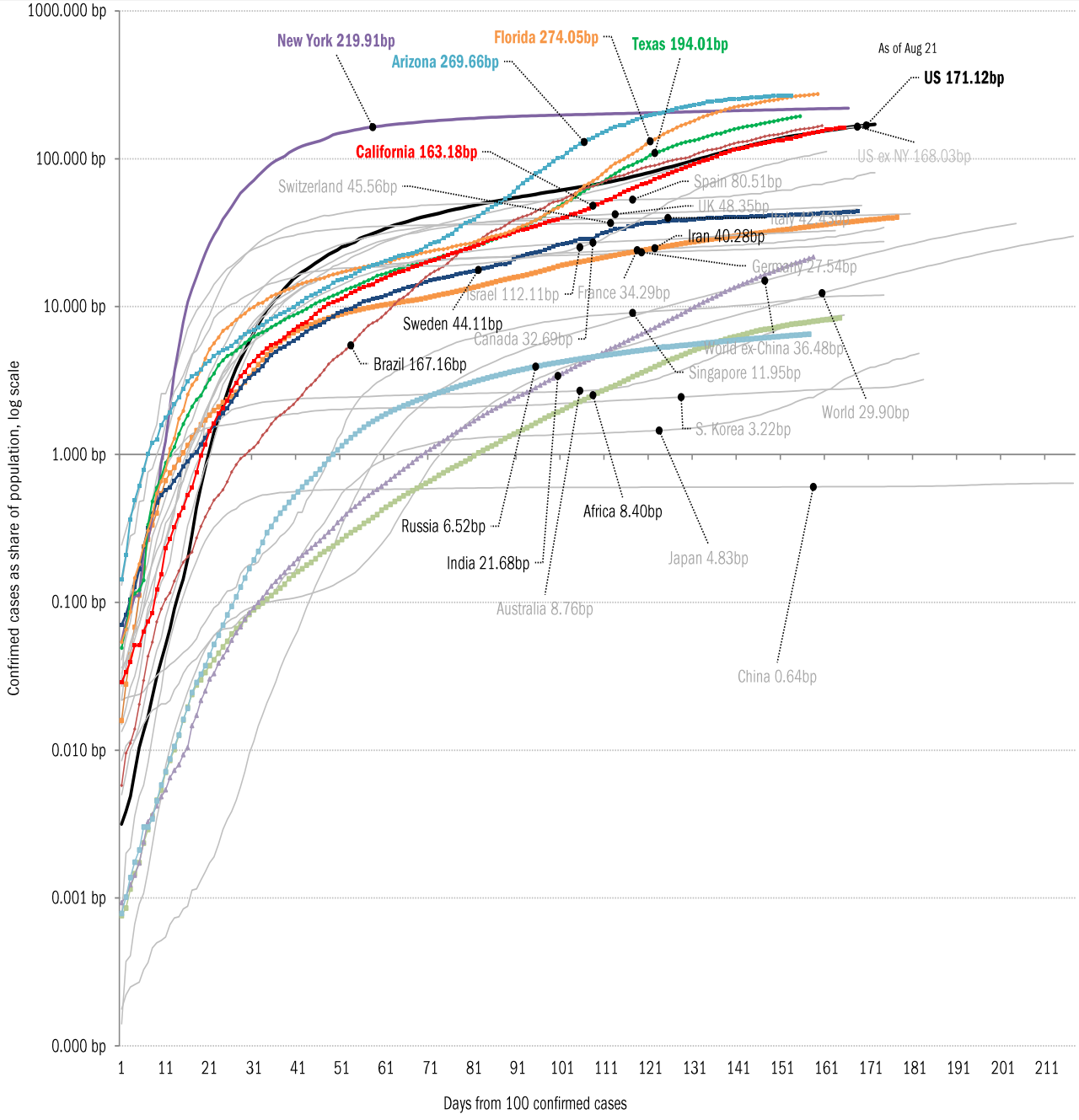
[Neutralizing antibodies correlate with protection from SARS-CoV-2 in humans during a fishery vessel outbreak with high attack rate]
Amin Addetia et al.
medRvx
August 14, 2020

Meme of day

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

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

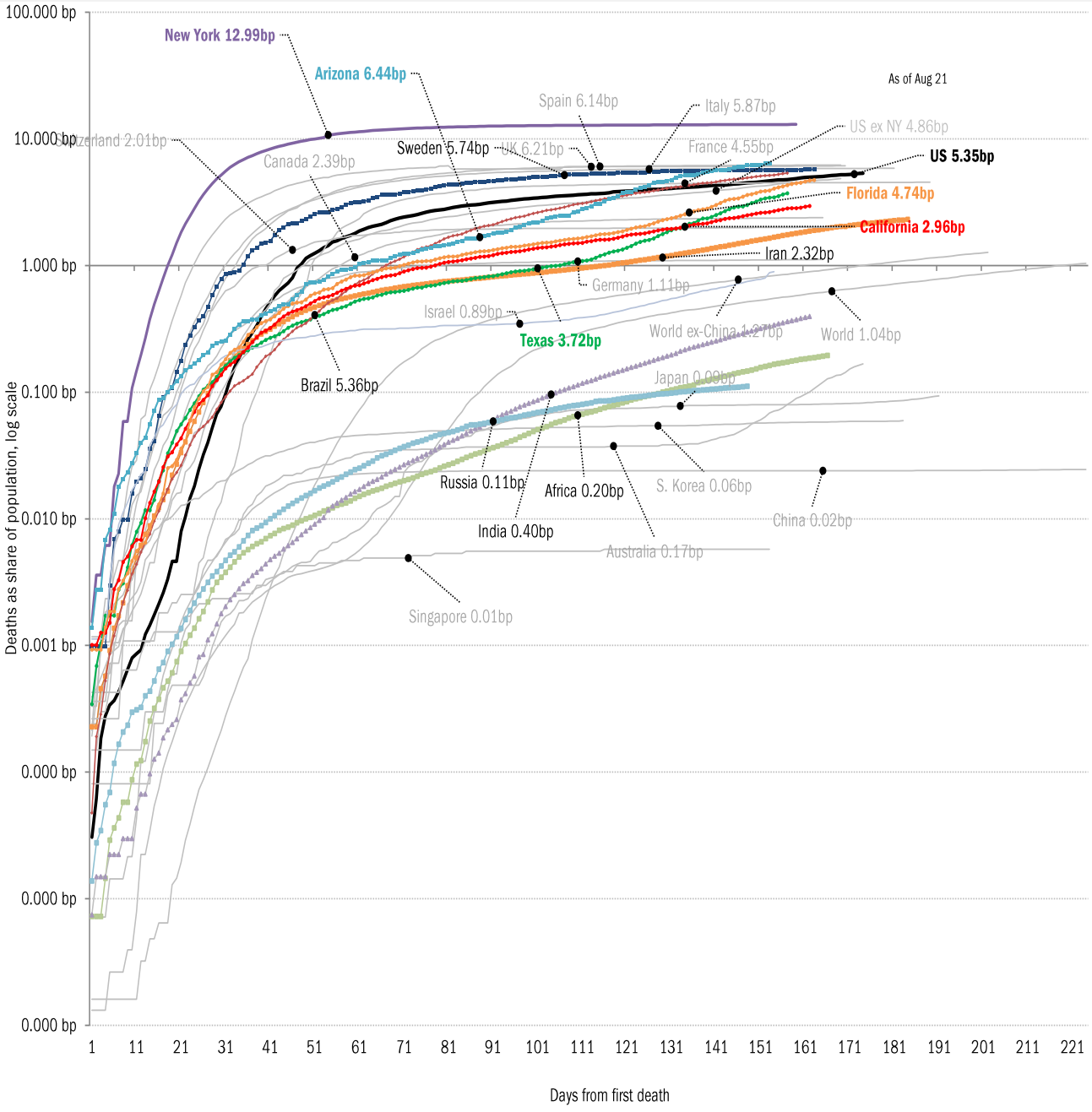
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

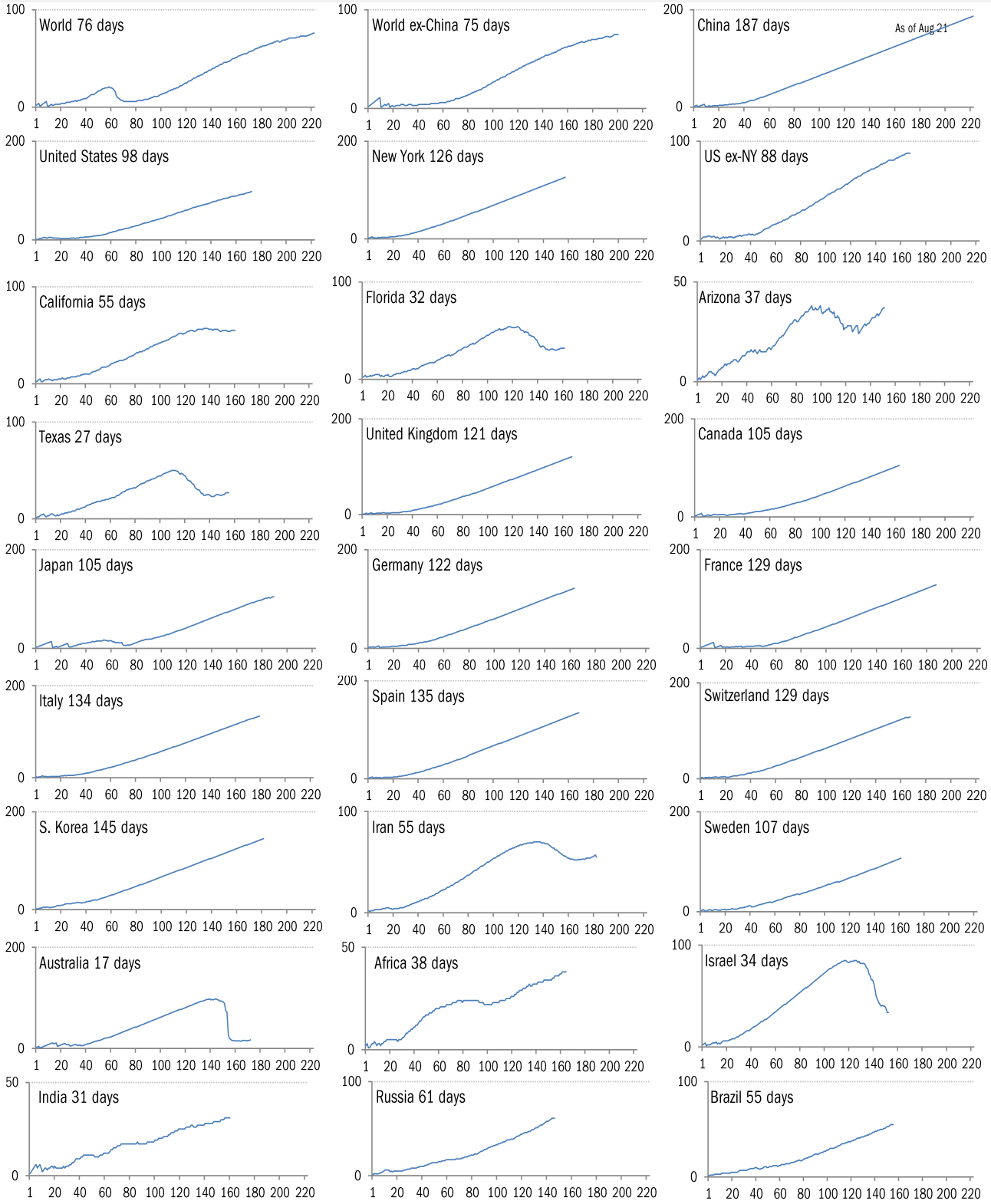
Share of deceased population from day of first fatality



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

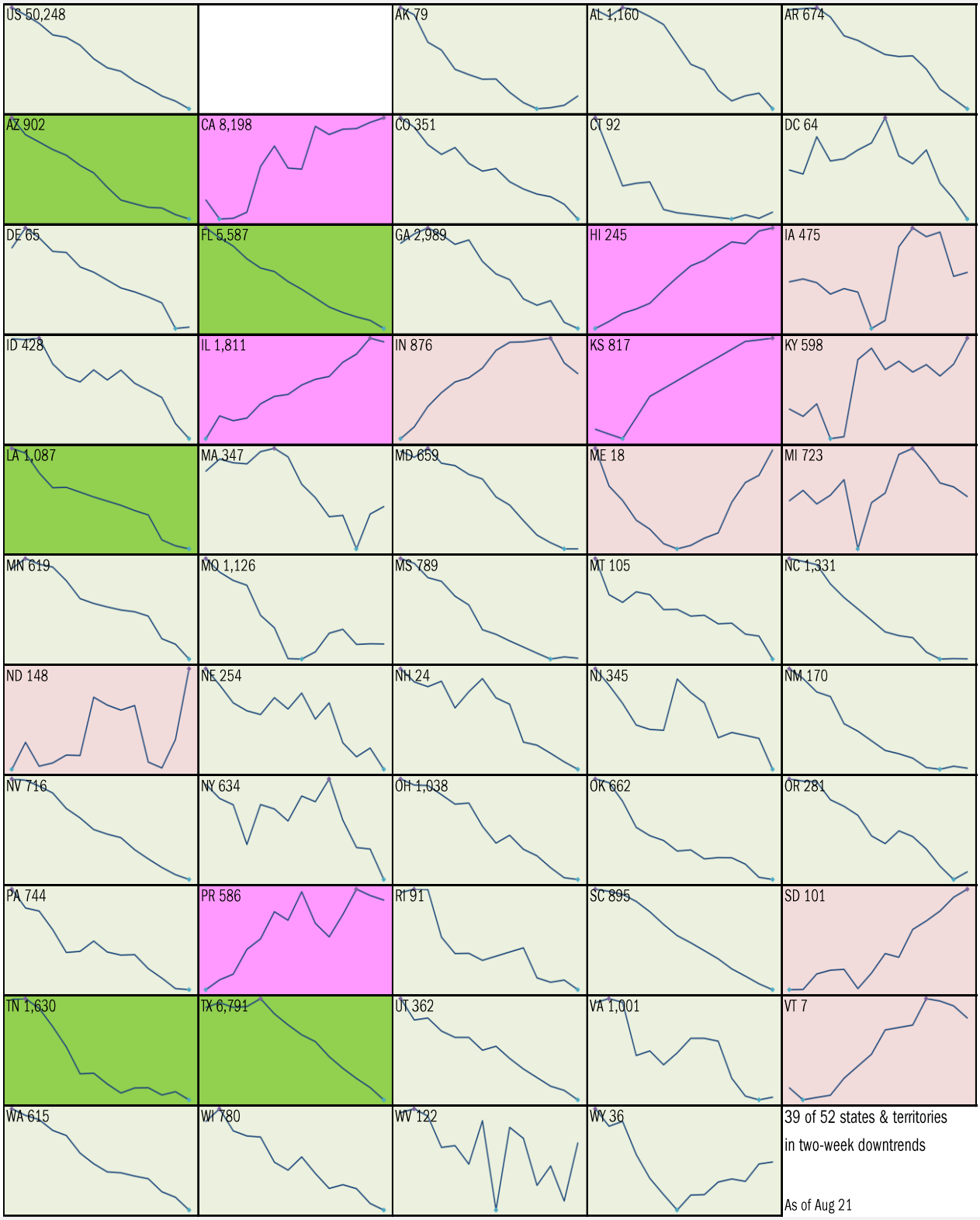


Source: ECDC, TrendMacro calculations

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

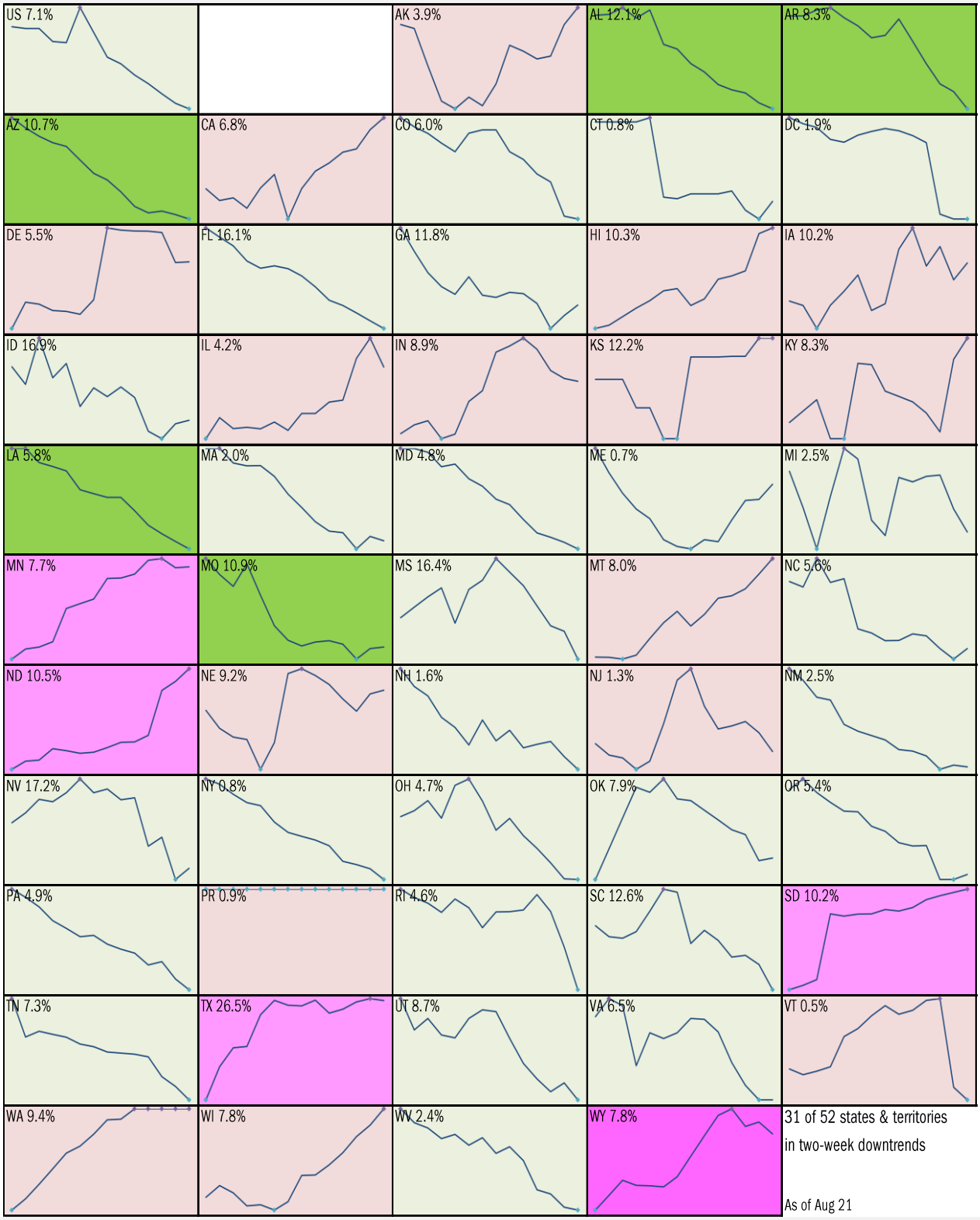


Source: Covid Tracking Project, TrendMacro calculations

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

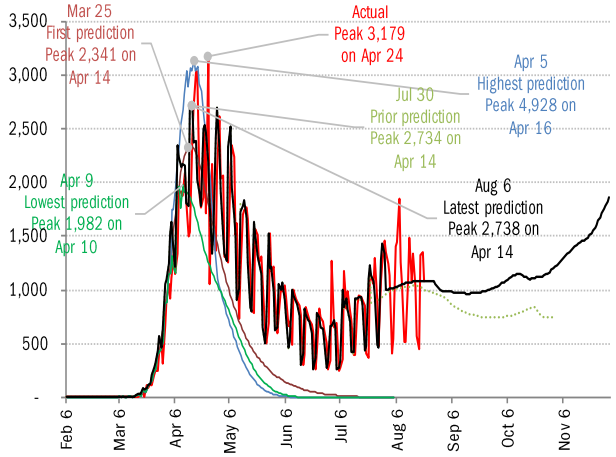


Source: Covid Tracking Project, TrendMacro calculations

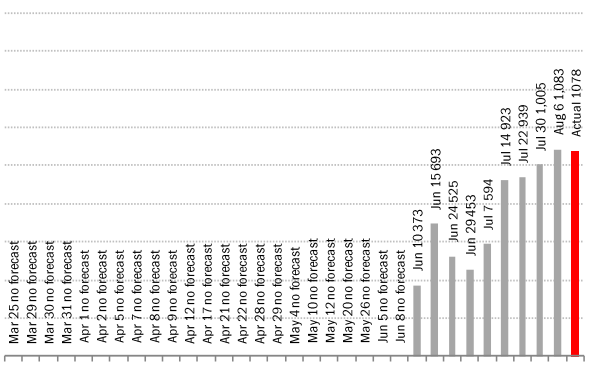
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Aug 21

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

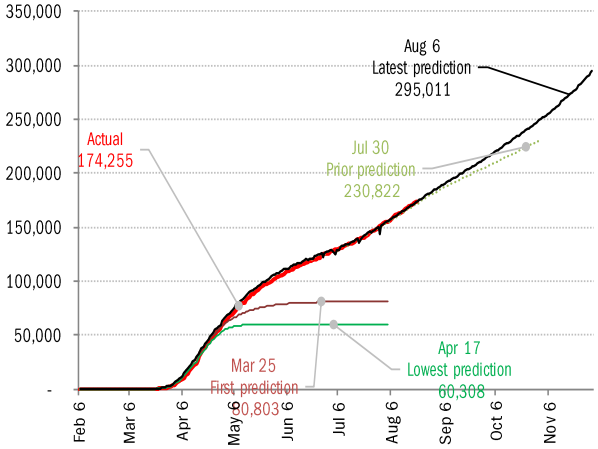


For this day, versus all model mean predictions

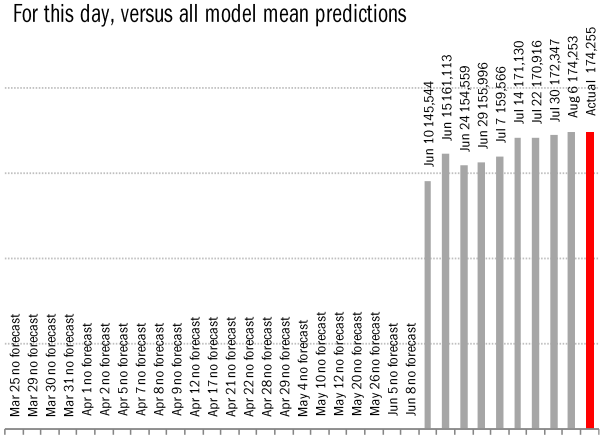


Cumulative fatalities

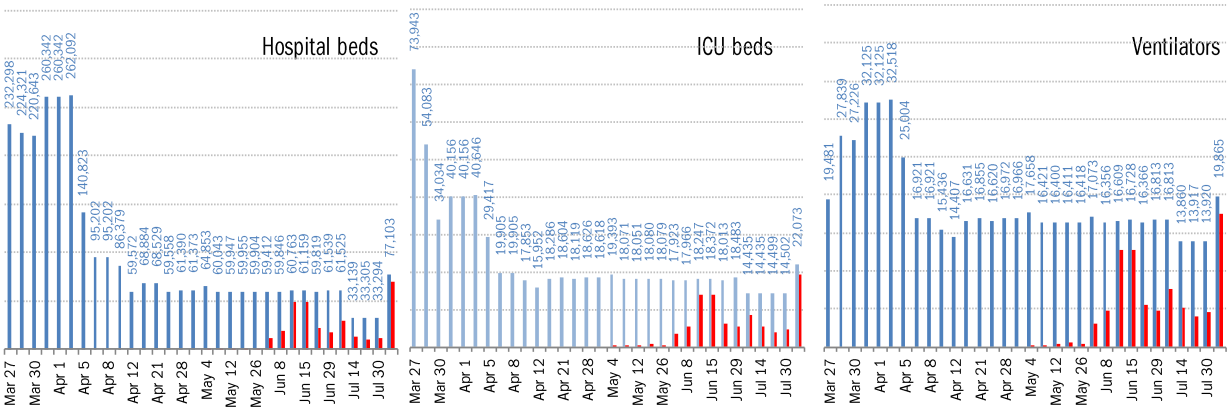
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

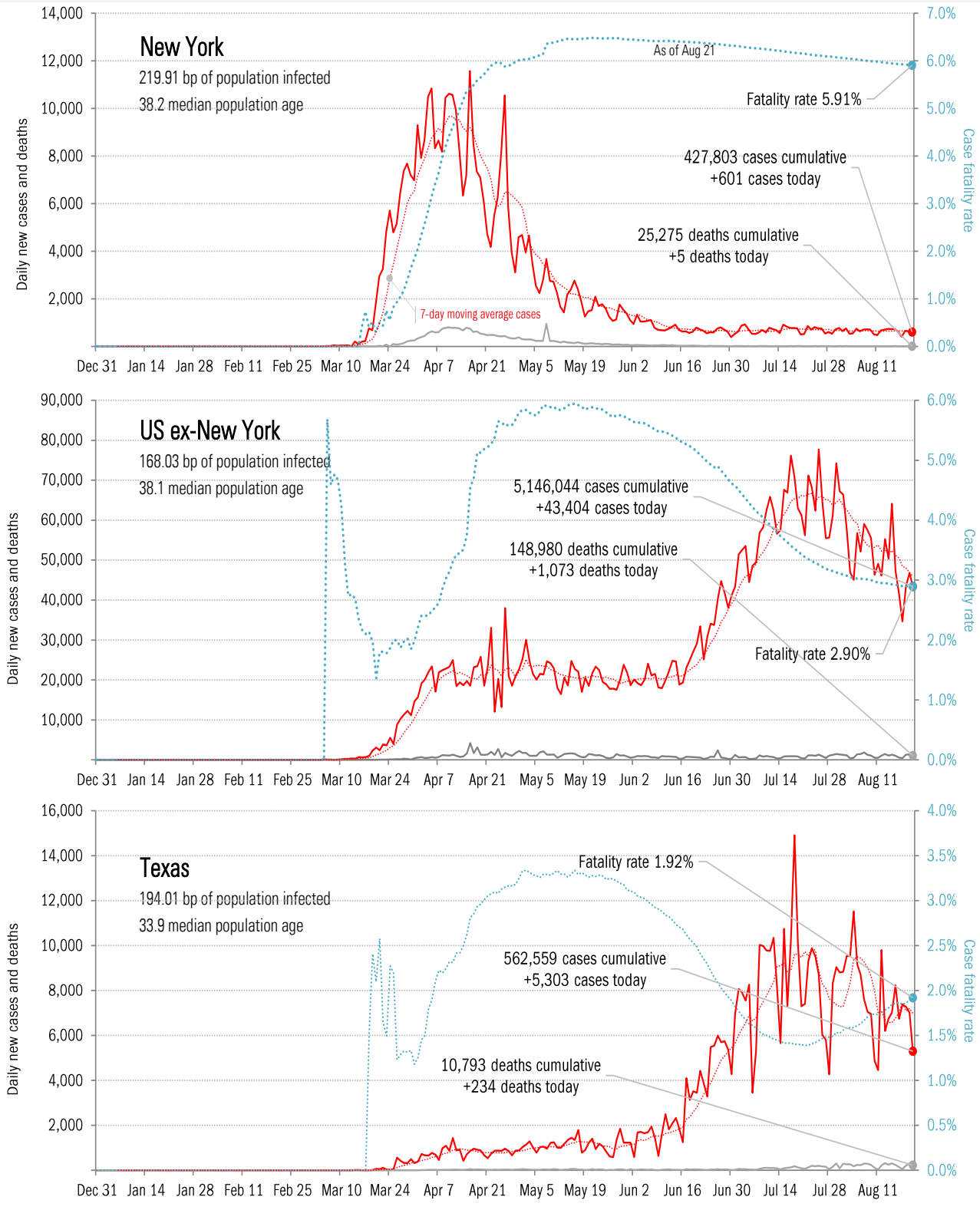


Healthcare system stress, peak and ultimate estimated at each model revision



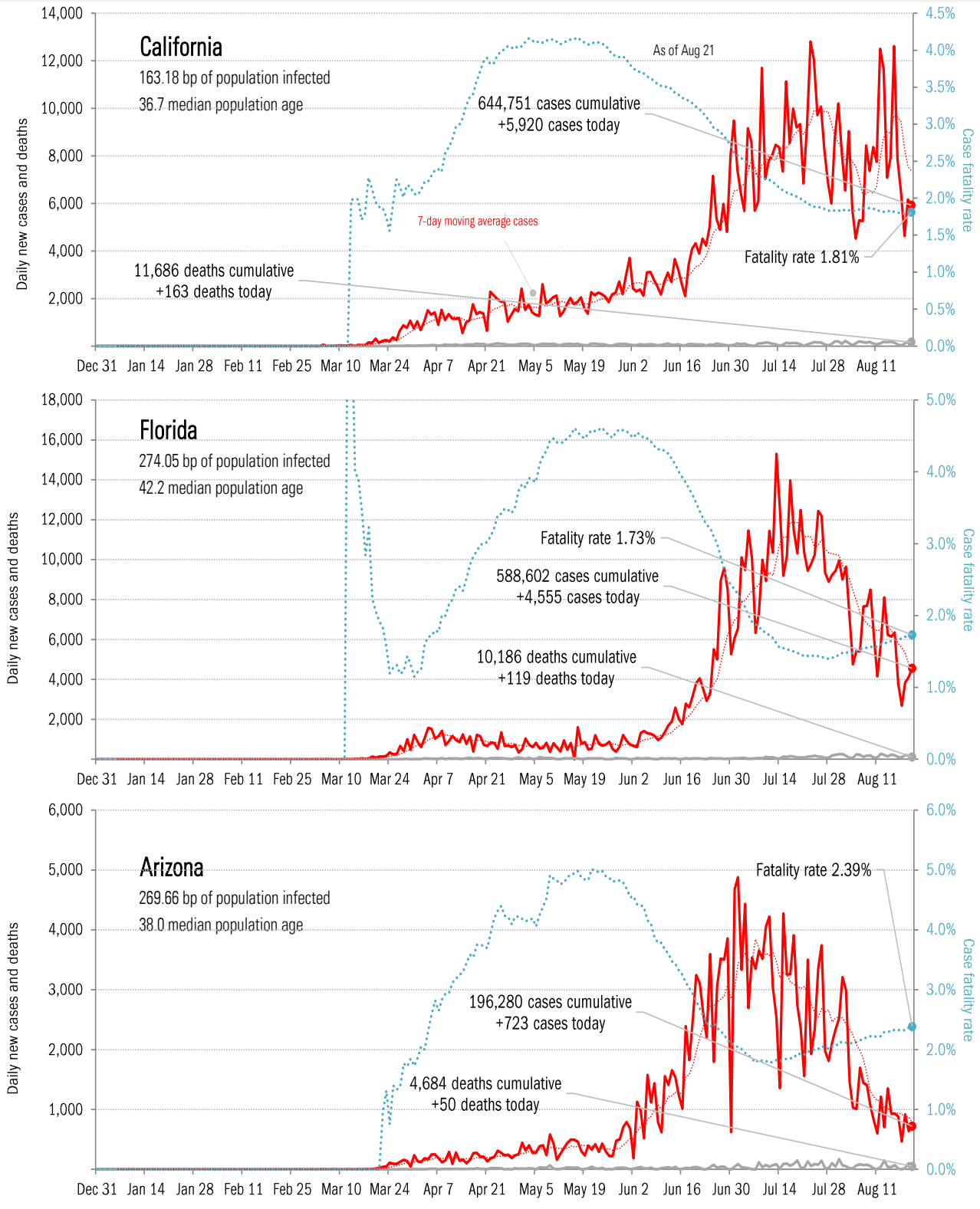
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



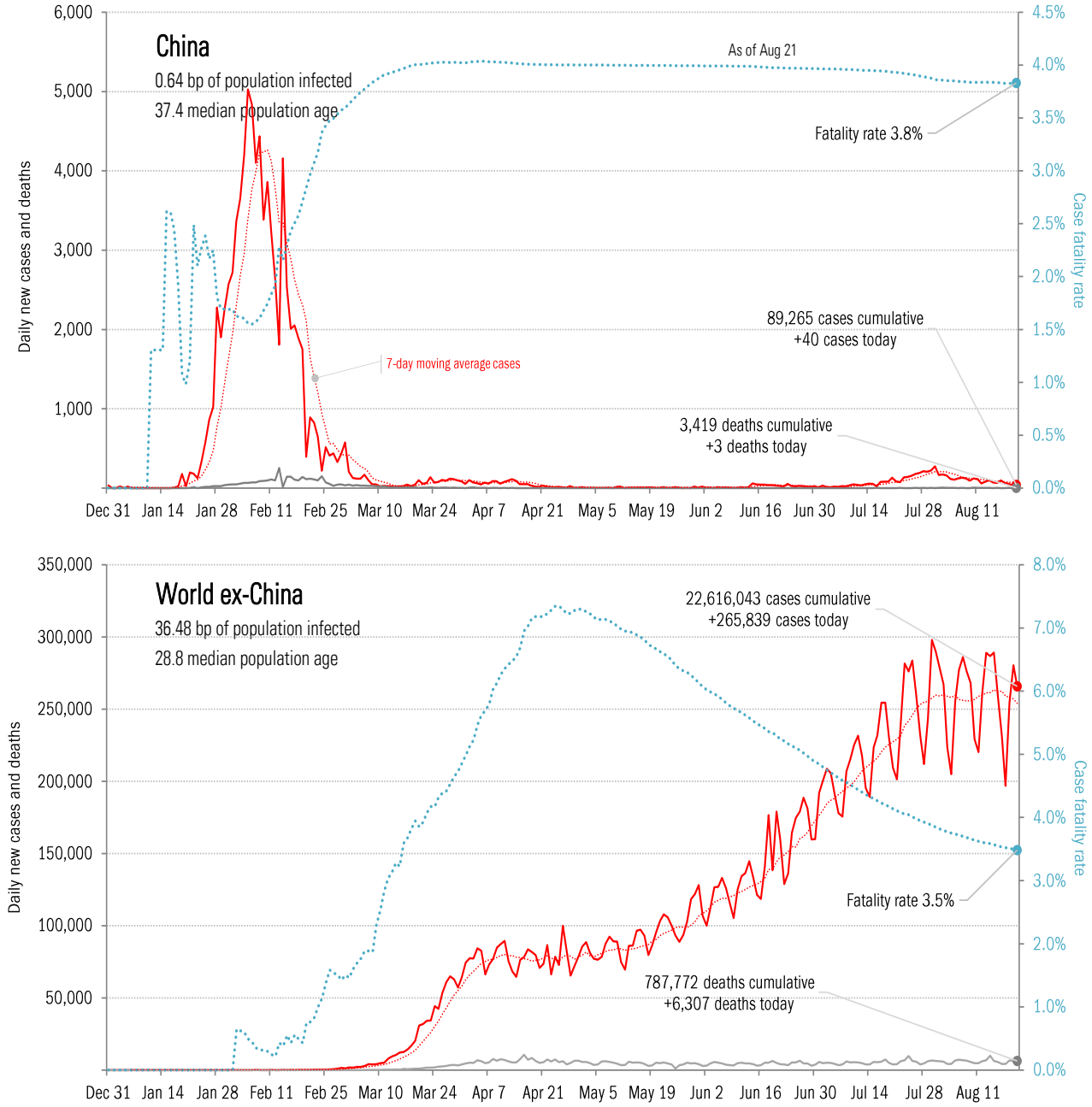
Source: ECDC, TrendMacro calculations

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



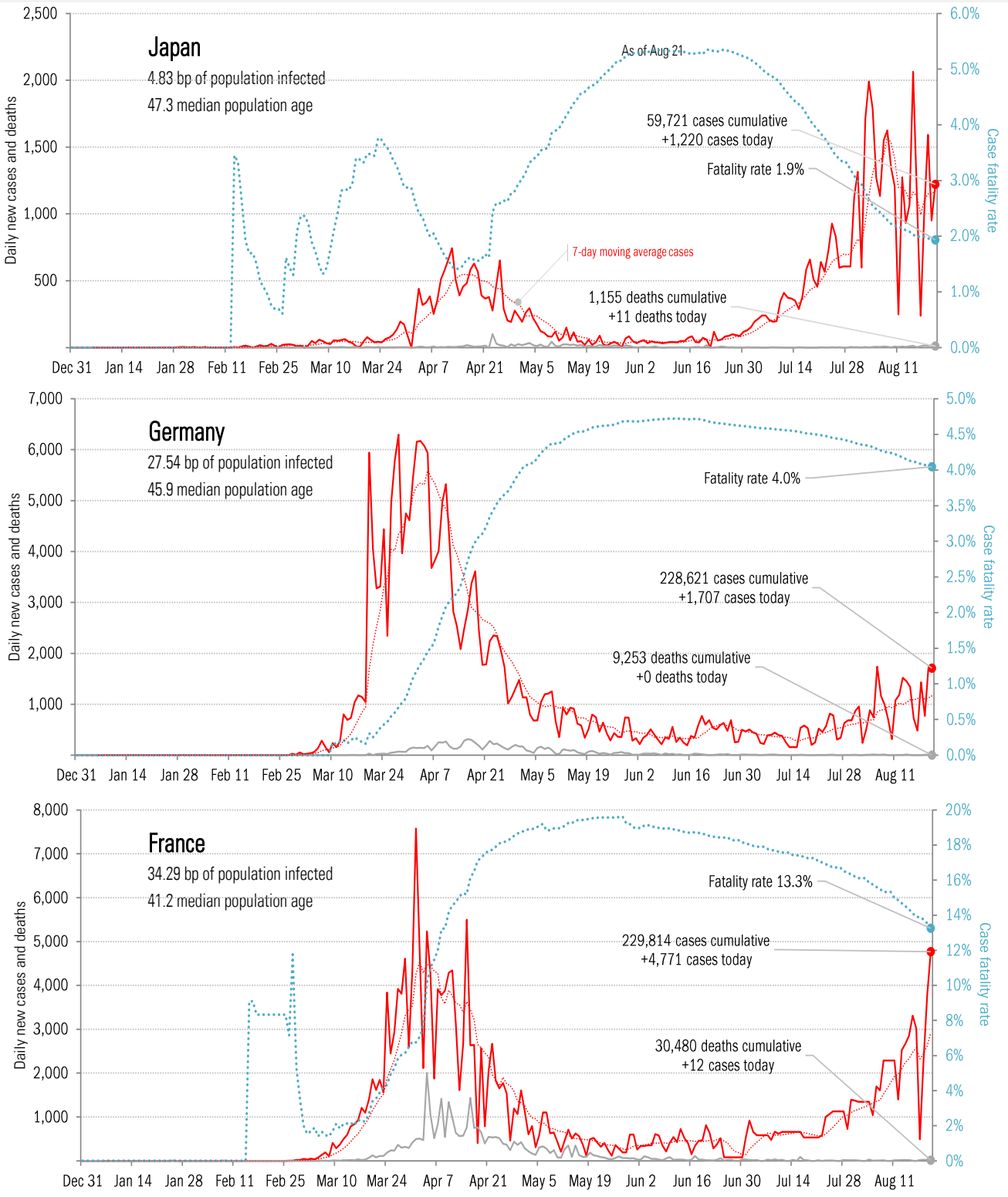
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



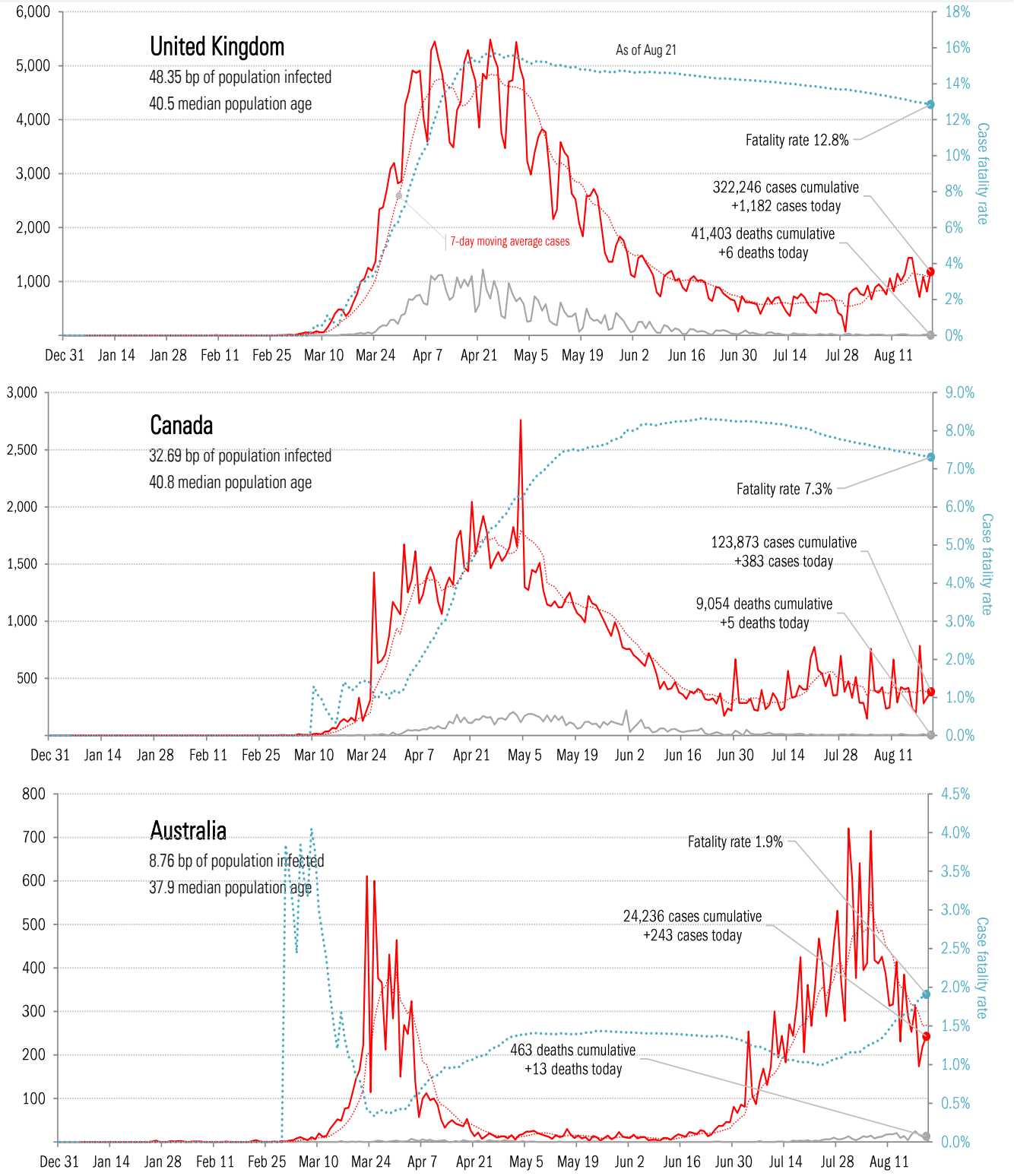
Source: ECDC, TrendMacro calculations

Impact in the largest economies



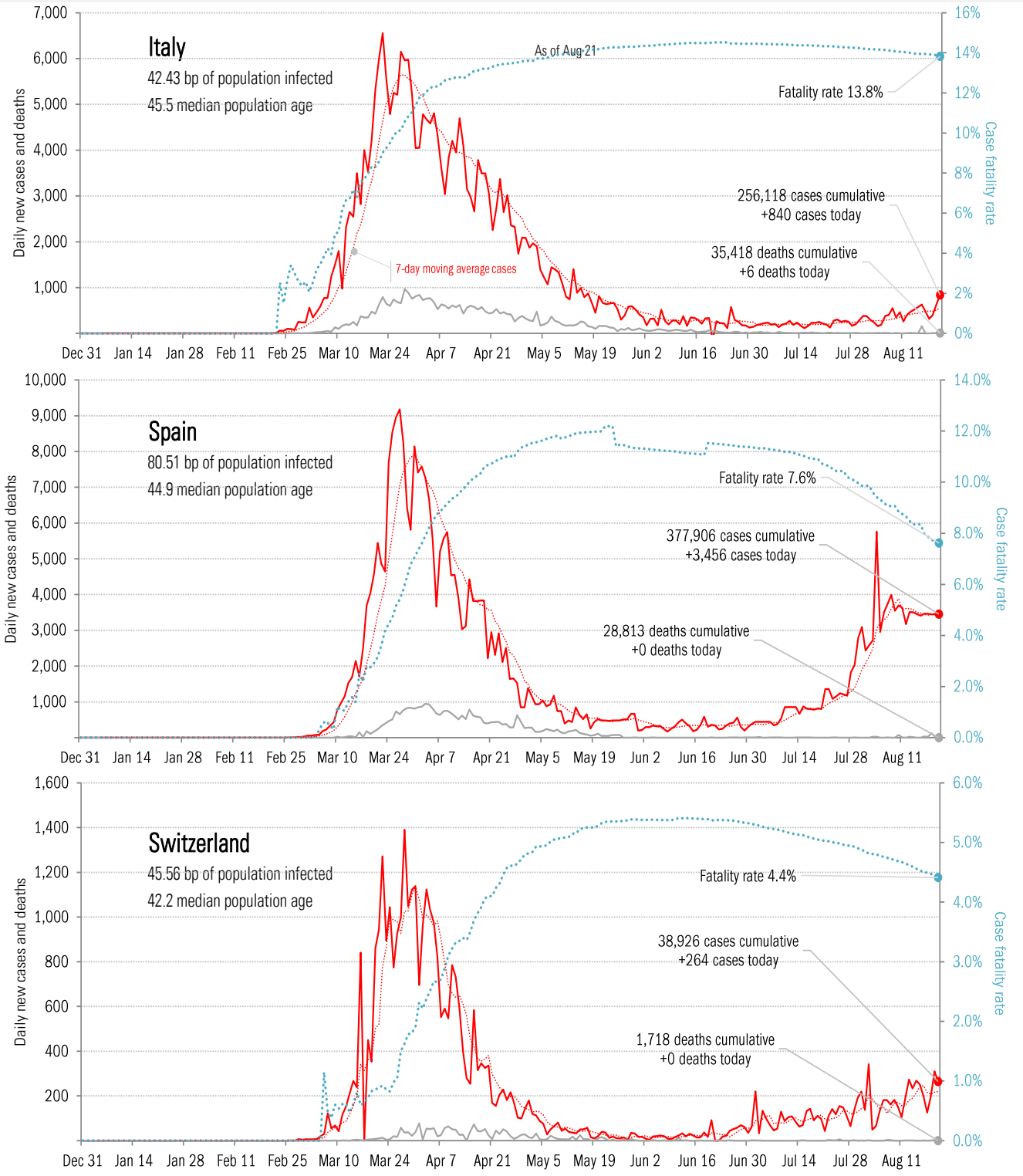
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



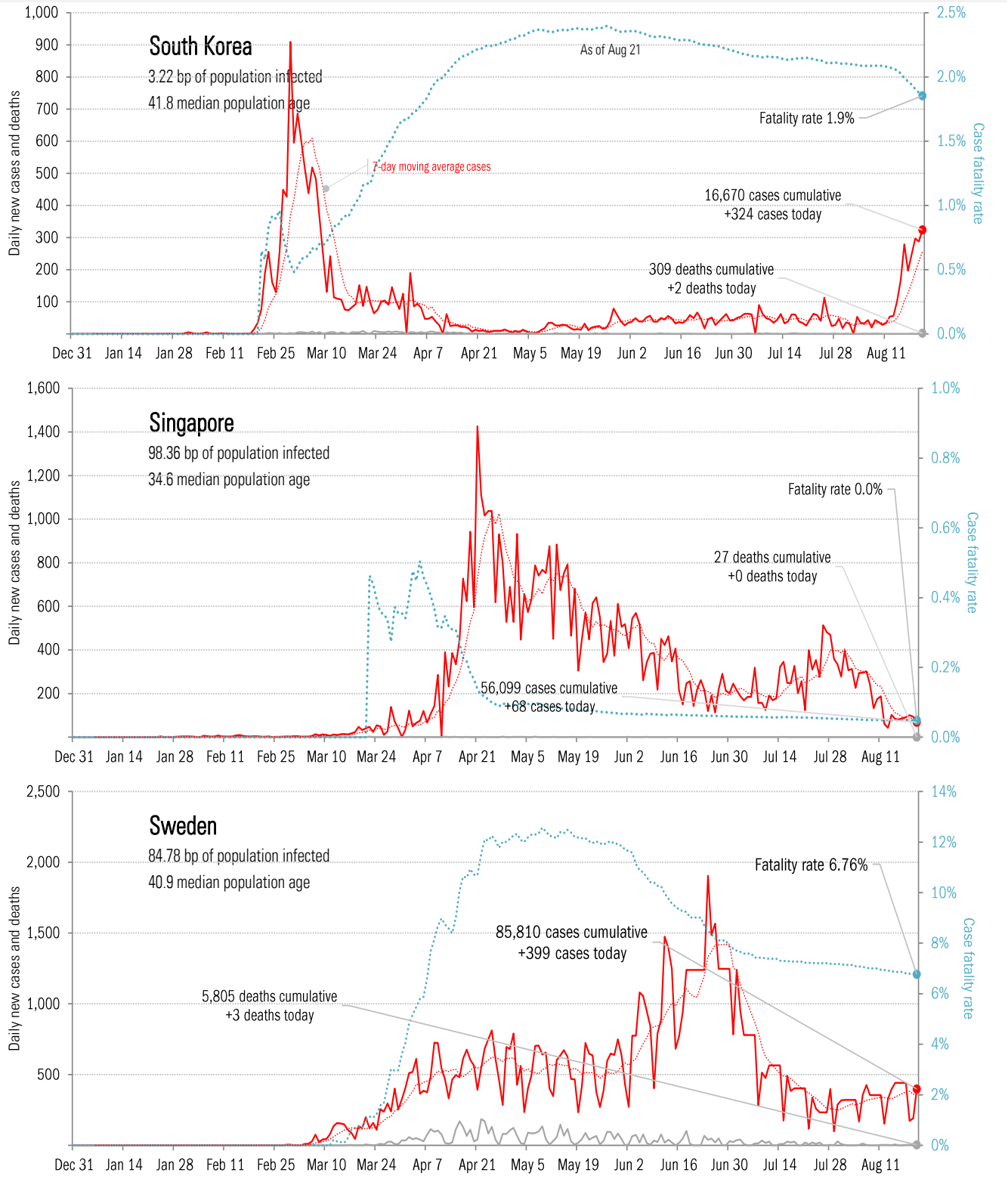
Source: ECDC, TrendMacro calculations

Impact in continental Europe



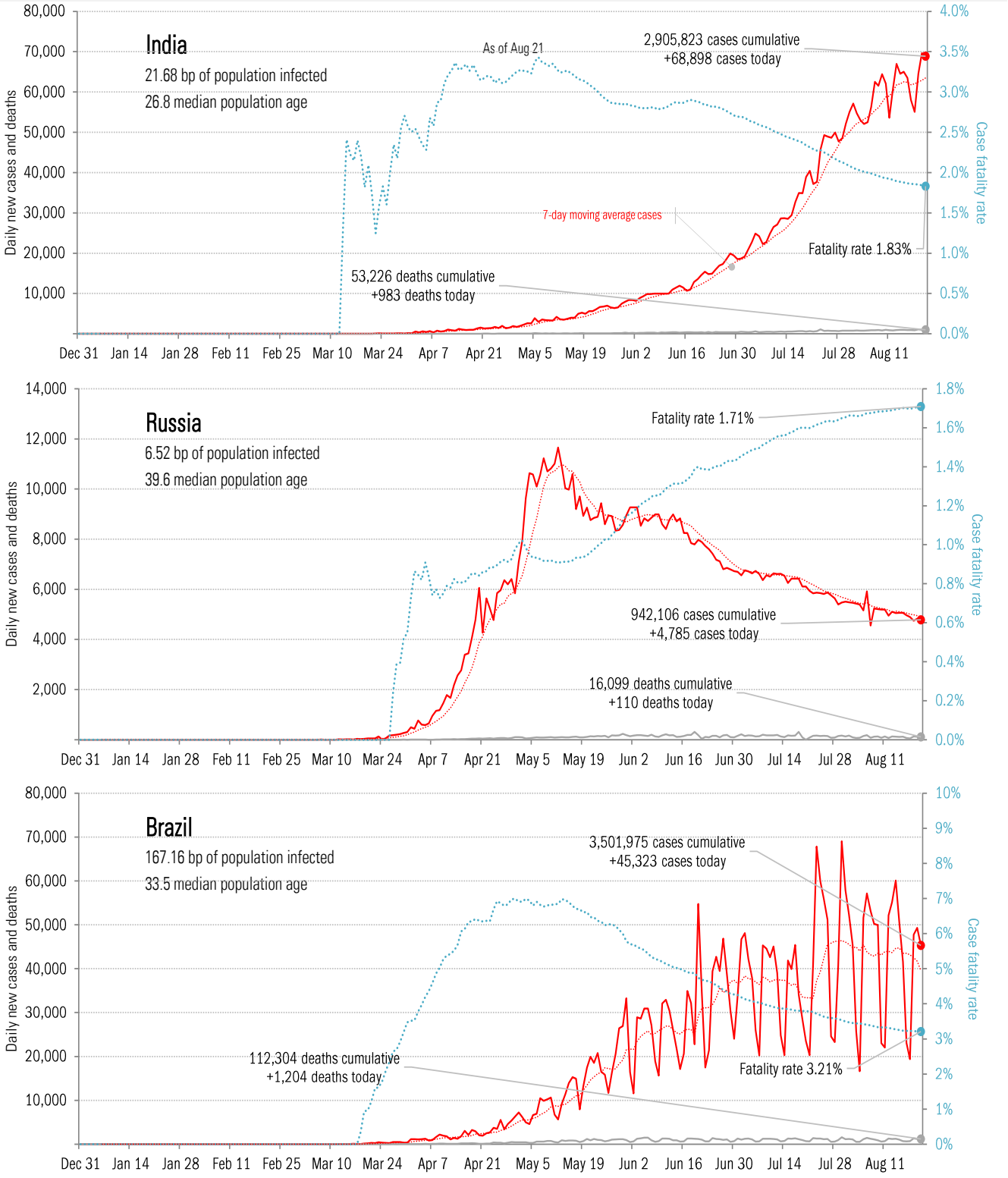
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



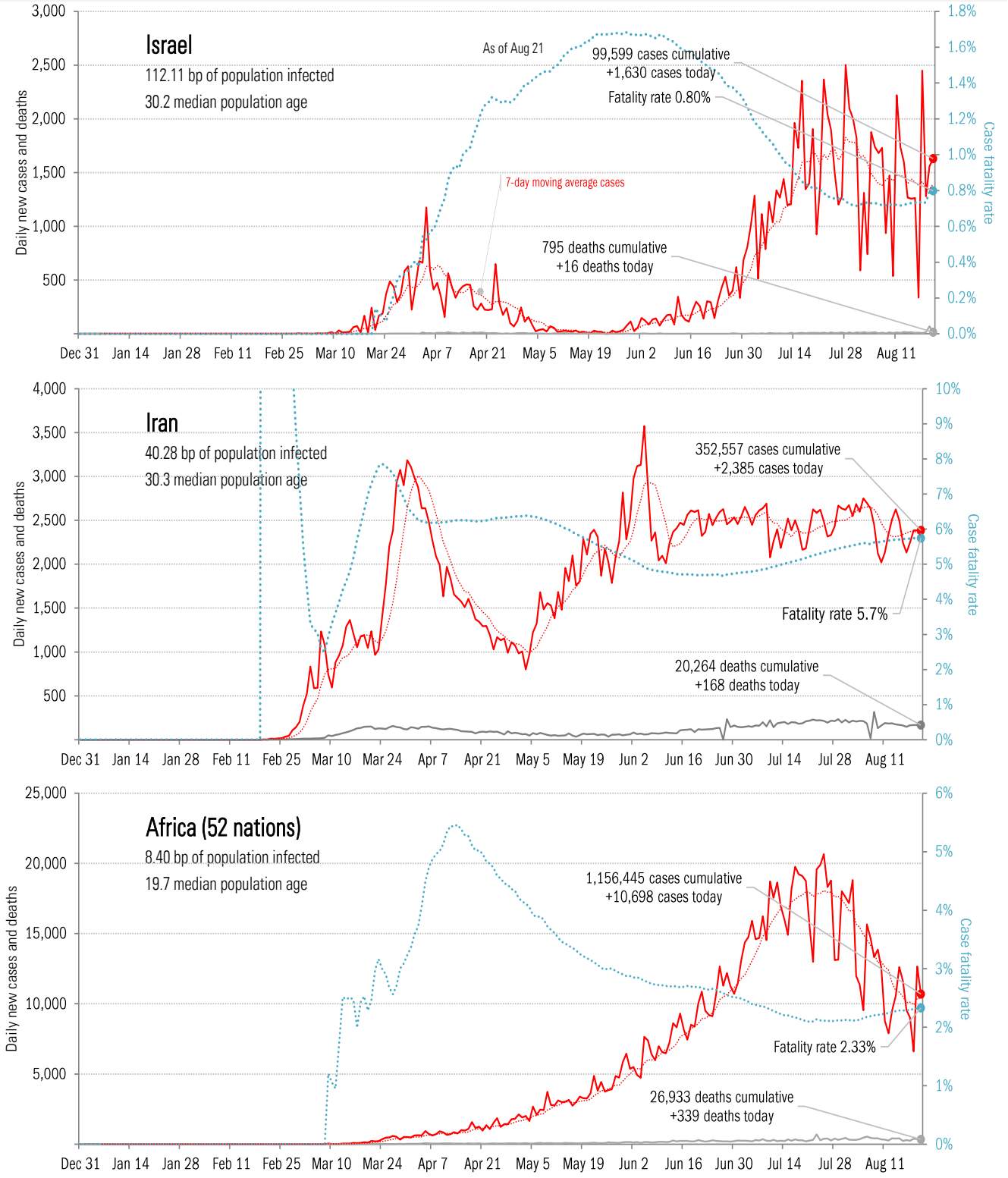
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations