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

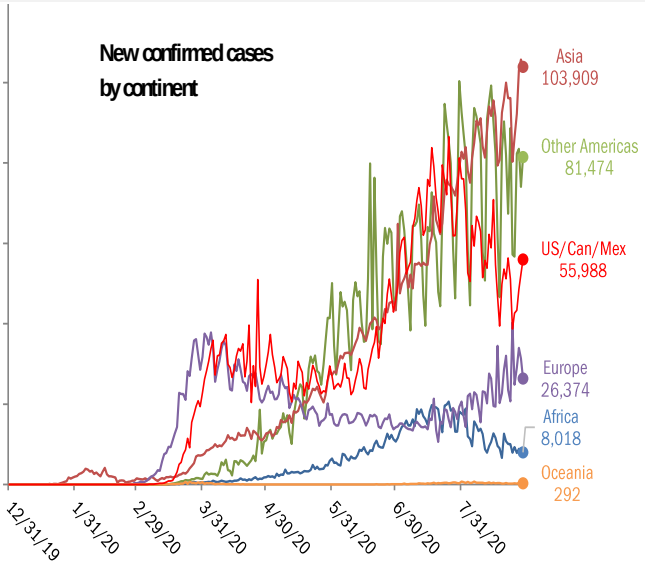
Data Insights: Covid-2019 Monitor

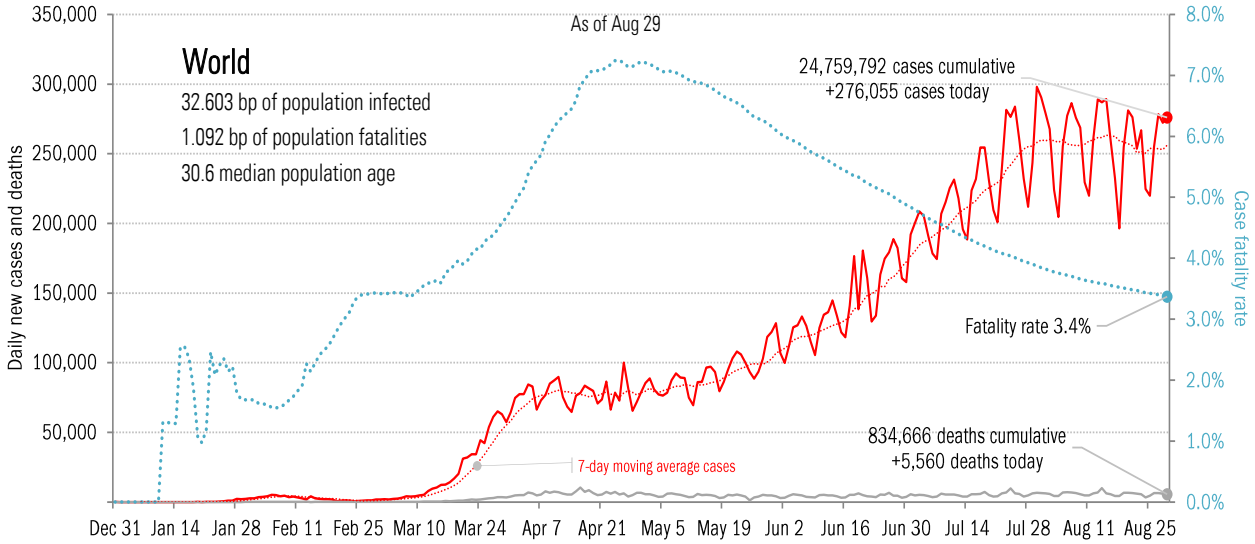
Saturday, August 29, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+76,472	India	+1,021
US	+49,654	US	+949
Brazil	+43,412	Brazil	+855
Argentina	+10,104	Mexico	+552
Colombia	+8,498	Colombia	+299
Peru	+7,964	Peru	+194
France	+7,379	Argentina	+185
Mexico	+5,824	South_Africa	+115
Russia	+4,829	Iran	+112
Iraq	+4,177	Russia	+110
	+218,313		+4,392
World	+276,055	World	+5,560
Top ten	79%	Top ten	79%





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

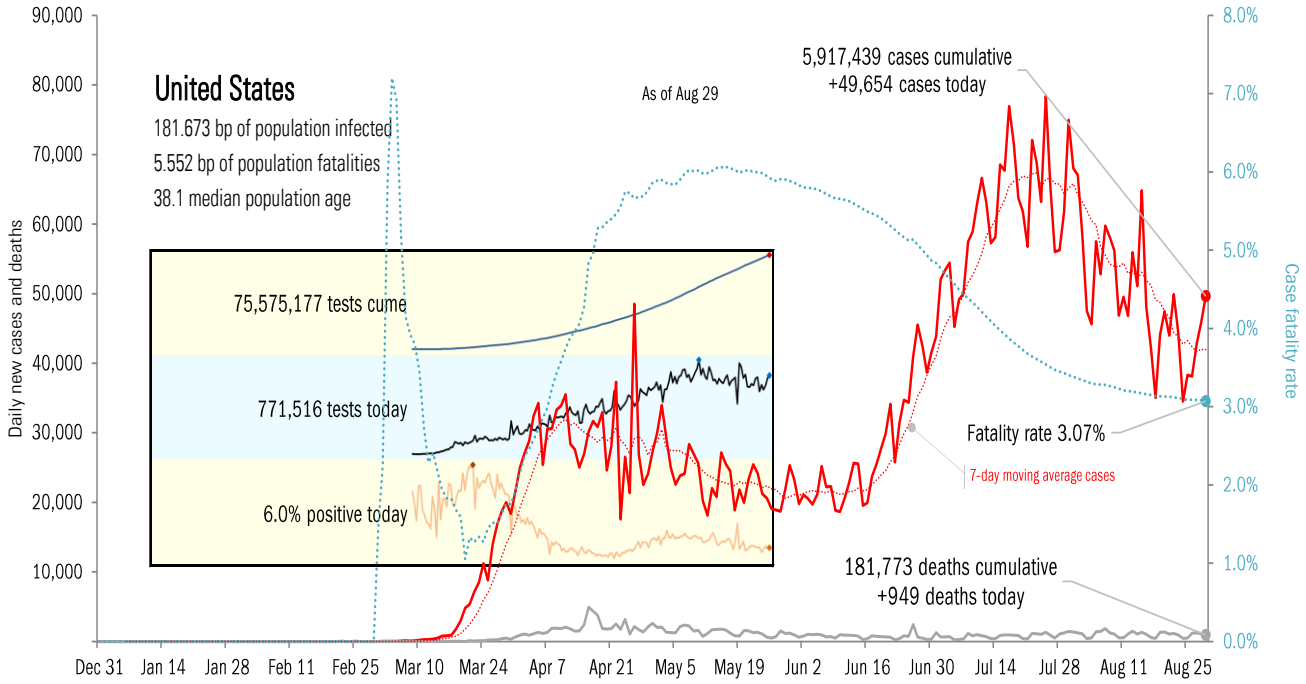
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+5,329	TX	+196	FL	+311	CA	688,858	NY	25,312	NY	89,995
TX	+4,031	CA	+140	AL	+262	FL	615,806	NJ	15,930	FL	38,474
FL	+3,815	FL	+88	GA	+208	TX	601,768	CA	12,690	GA	24,335
IL	+2,434	GA	+78	TN	+74	NY	432,767	TX	12,266	NJ	22,586
GA	+2,298	AZ	+49	IN	+71	GA	265,372	FL	11,099	AZ	21,428
VA	+2,134	VA	+35	OH	+71	IL	231,185	MA	9,023	VA	15,967
TN	+1,636	AL	+31	KS	+52	AZ	200,658	IL	8,206	AL	14,267
MO	+1,418	LA	+30	WI	+52	NJ	190,971	PA	7,655	MD	14,184
NC	+1,415	OH	+29	OK	+46	NC	162,491	MI	6,712	OH	13,221
SC	+1,353	TN	+28	MD	+43	TN	150,815	GA	5,471	MA	12,334
	+25,863		+704		+1,190		3,540,691		114,364		266,791
All states	+46,546	All states	+1,023	All states	+1,595	All states	5,884,053	All states	173,754	All states	367,588
Top ten	56%	Top ten	69%	Top ten	75%	Top ten	60%	Top ten	66%	Top ten	73%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-1,569	TX	-69	CT	-93	TX	+6,128
NC	-676	FL	-51	IN	-71	TN	+1,897
AL	-607	SC	-28	VA	-57	OH	+1,092
IA	-366	MS	-12	AZ	-48	IN	+1,048
IN	-336	MI	-10	OH	-36	WI	+785



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

Recommended reading

Coronation
Ai Weiwei
Ai Weiwei Films
August 2020

Coronation: See the haunting trailer for Ai Weiwei's movie about China's lockdown
Leslie Katz
cNet
August 25, 2020

From Ai Weiwei, a Portrait of Wuhan's Draconian Covid Lockdown
Ian Johnson
New York Times
August 21, 2020

Placer County supervisors: Pleas to governor's office over COVID-19 restrictions go unanswered
Bethany Blankley
Center Square
August 28, 2020

Statement from the Press Secretary Regarding the Administration's Purchase of 150 Million Rapid COVID-19 Tests
The White House
August 27, 2020

University professor disciplined for calling coronavirus the 'Wuhan flu'
Kenneth Garger
New York Post
August 25, 2020

California Supreme Court to weigh in on Orange County Board of Education lawsuit over distance learning
Roxana Kopetman
Orange County Register
August 26, 2020

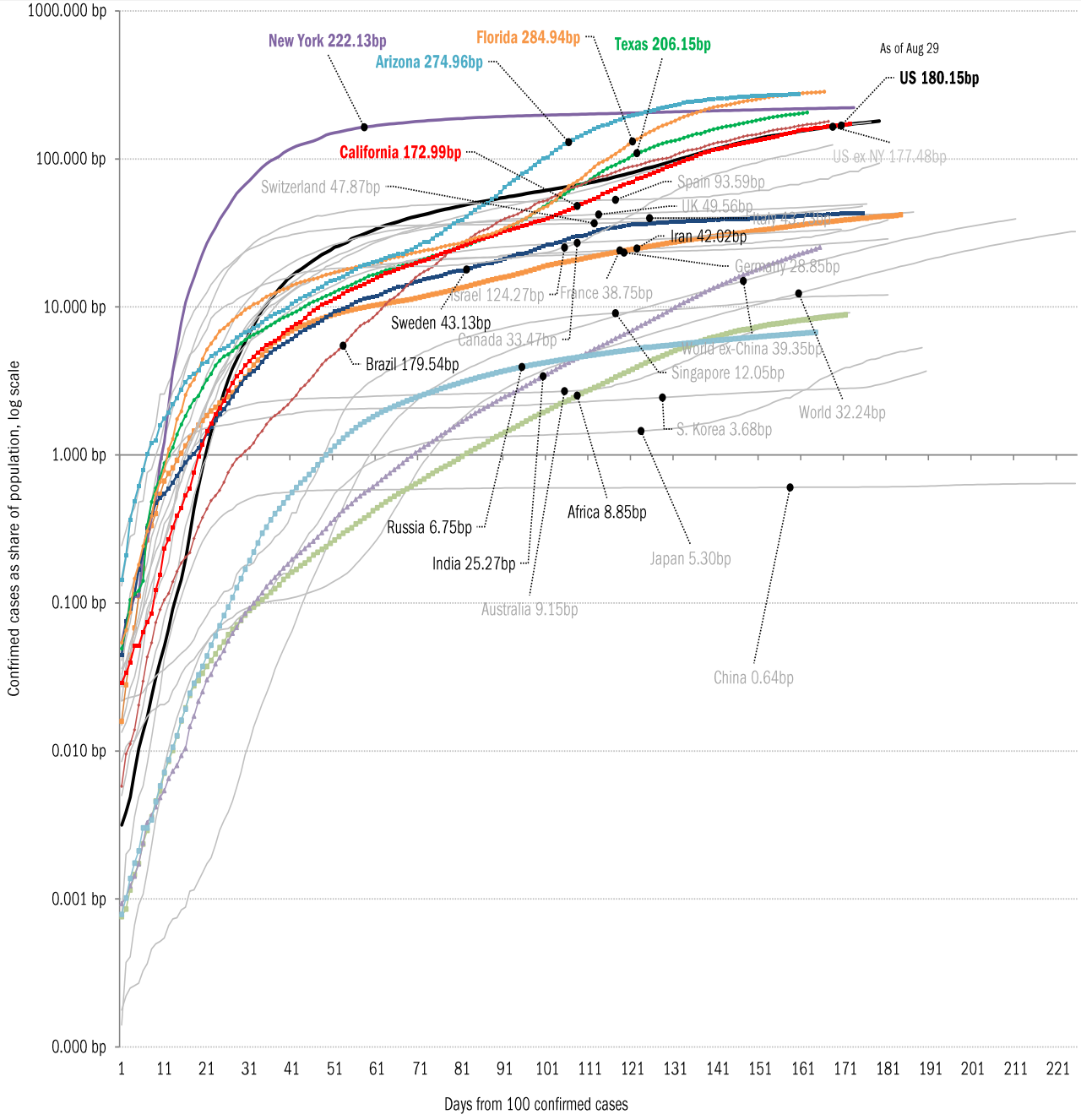
Trump Administration Announces the Distribution of $2.5 Billion to Nursing Homes for COVID-19 Relief Funding
Department of Health and Human Services
August 27, 2020

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

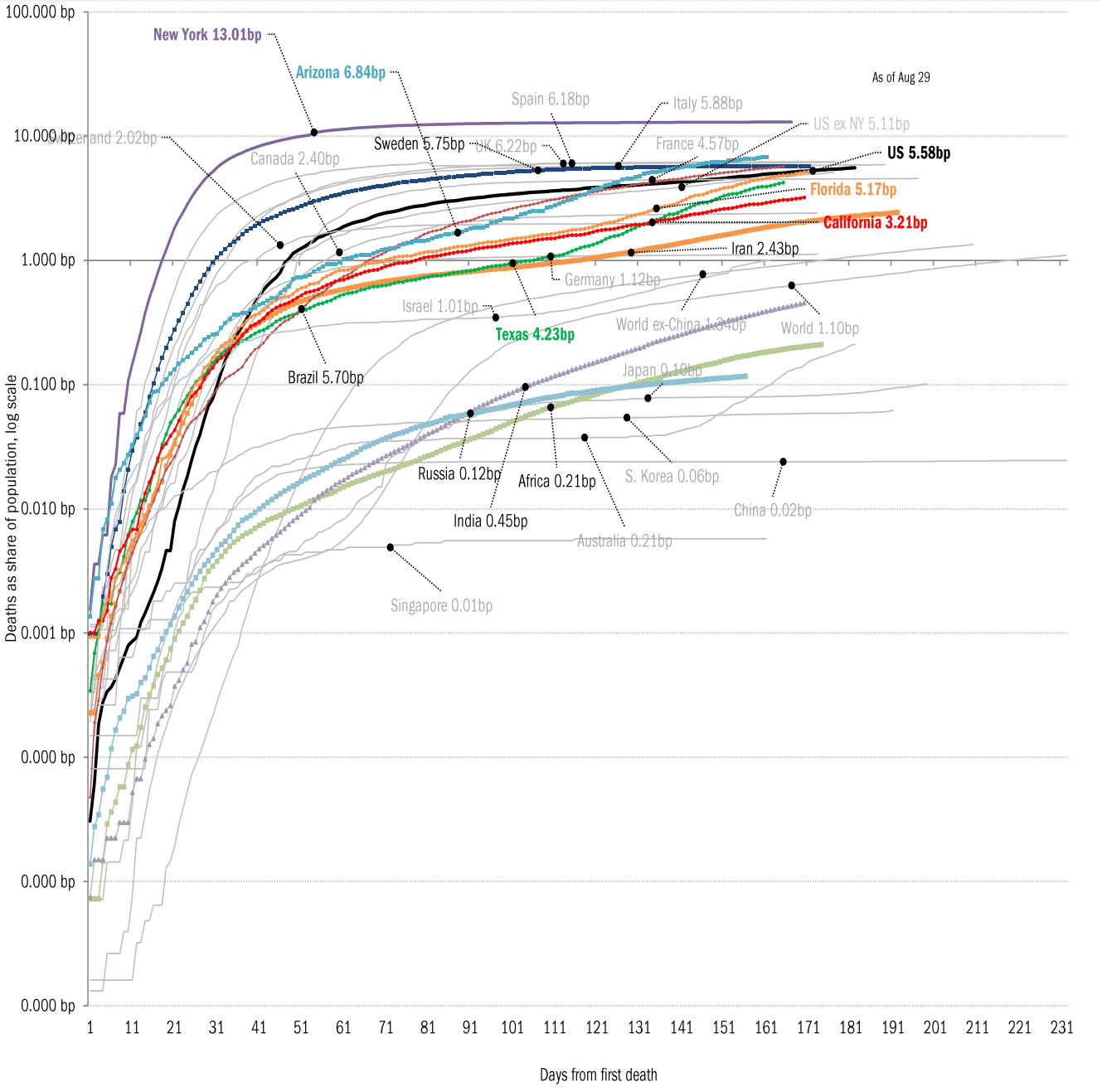
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

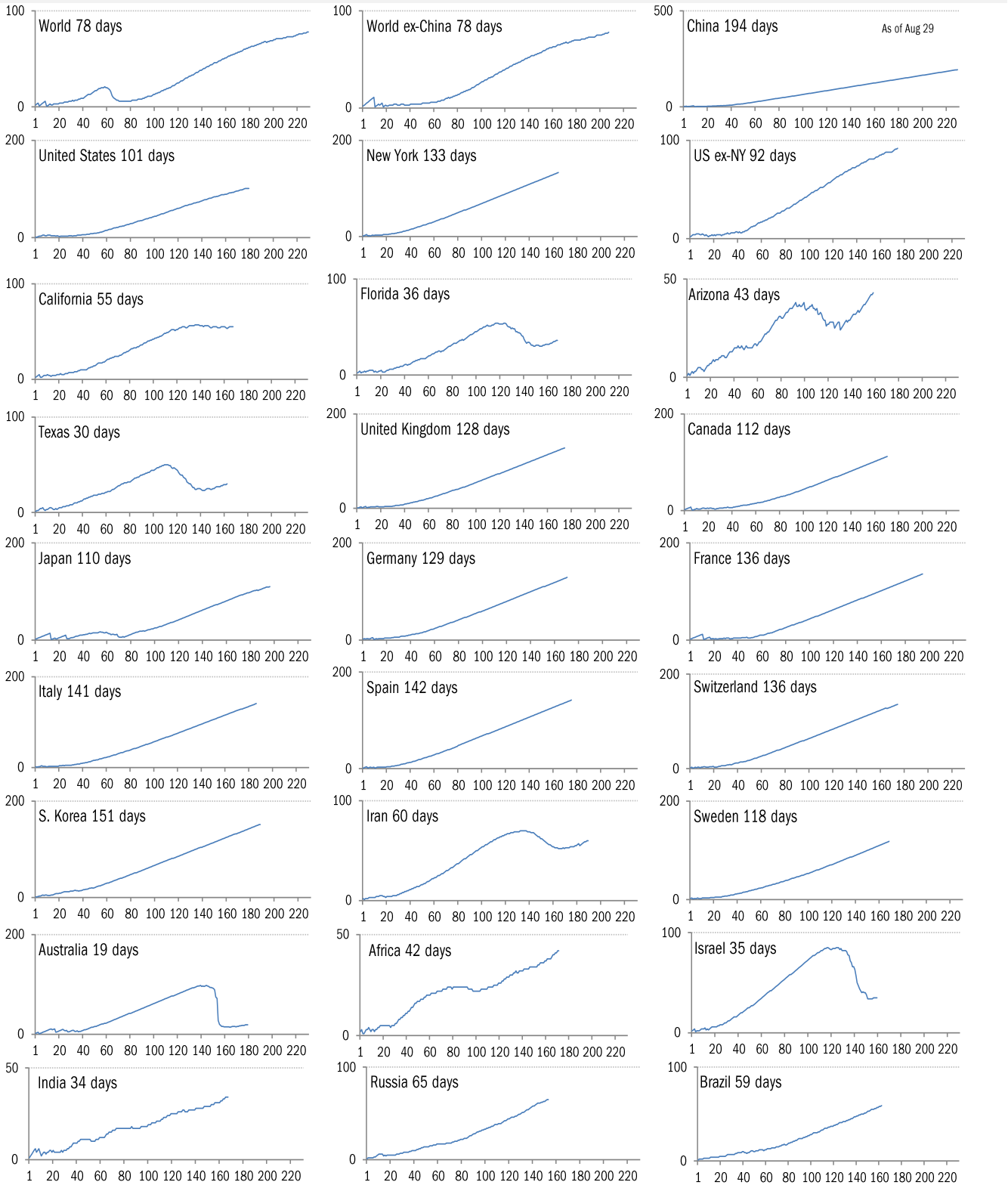


Source: ECDC, TrendMacro calculations

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

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

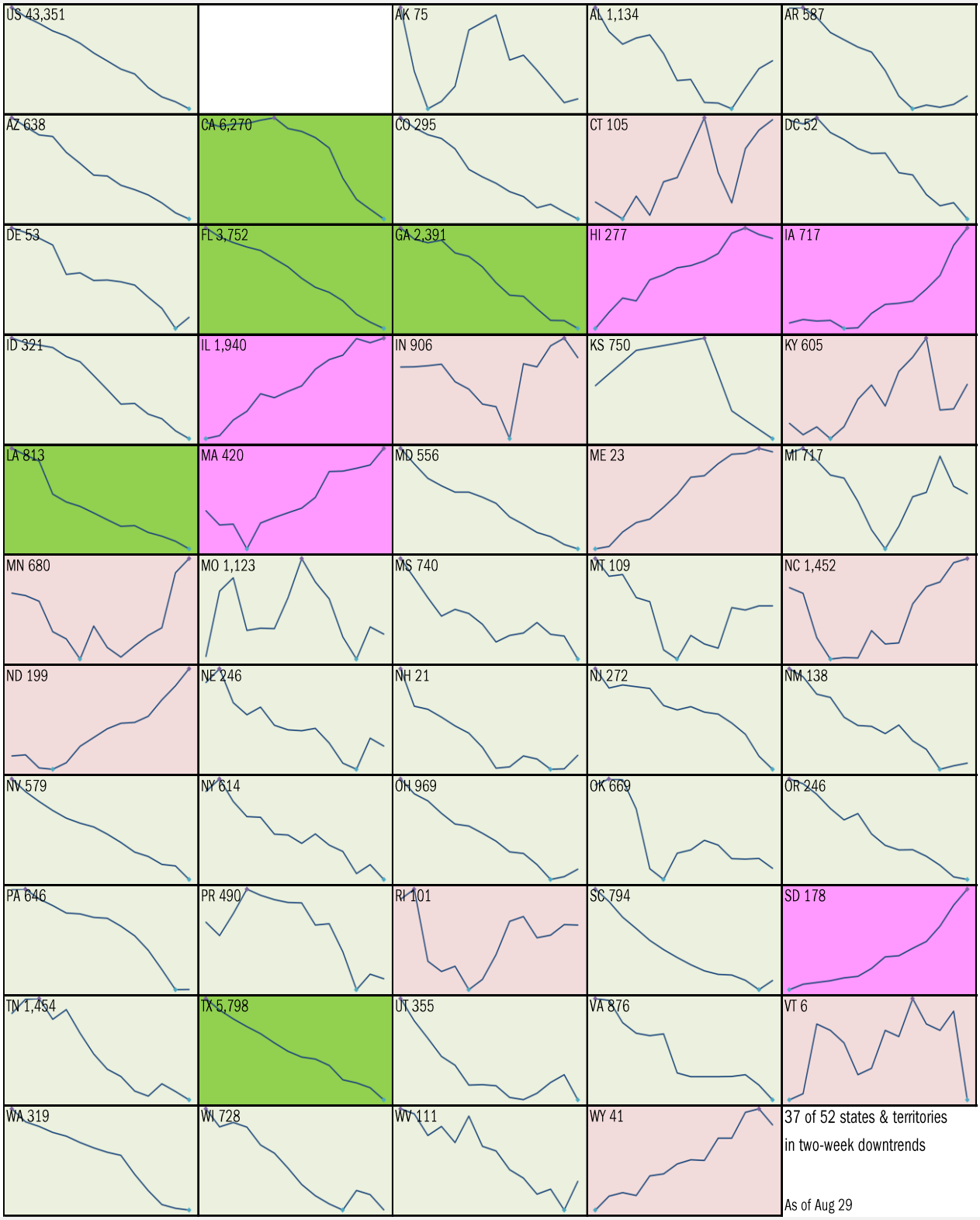


Source: ECDC, TrendMacro calculations

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

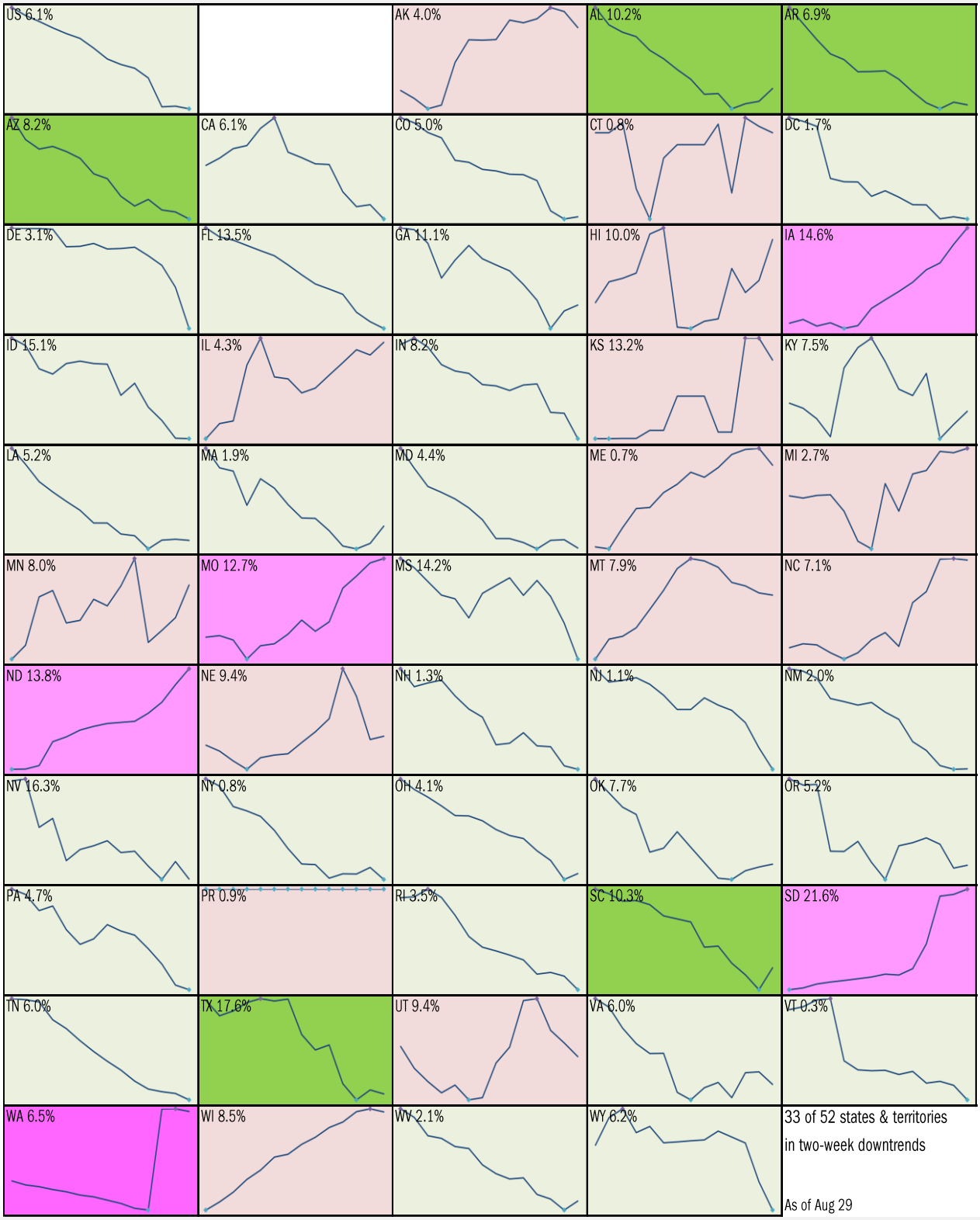


Source: Covid Tracking Project, TrendMacro calculations

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

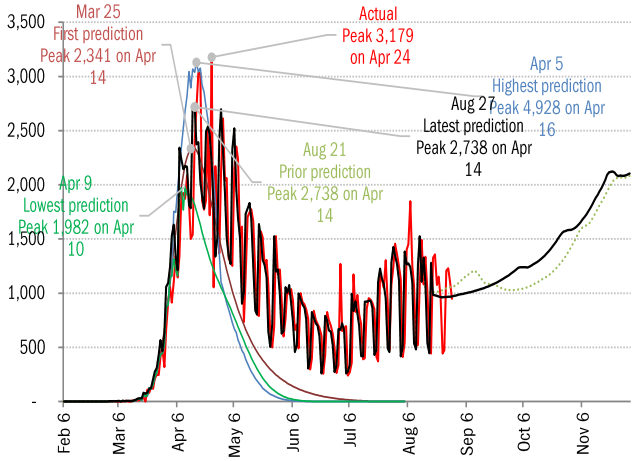


Source: Covid Tracking Project, TrendMacro calculations

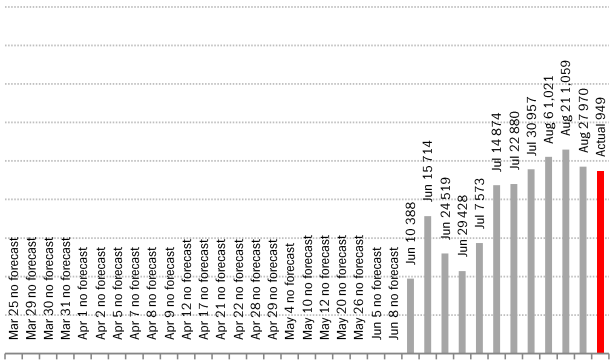
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Aug 29

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

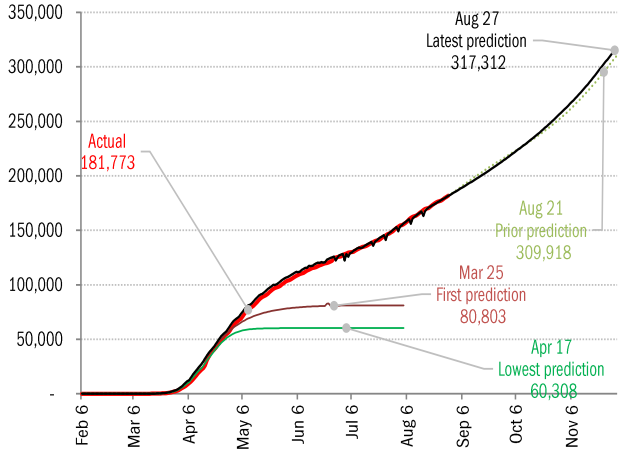


For this day, versus all model mean predictions

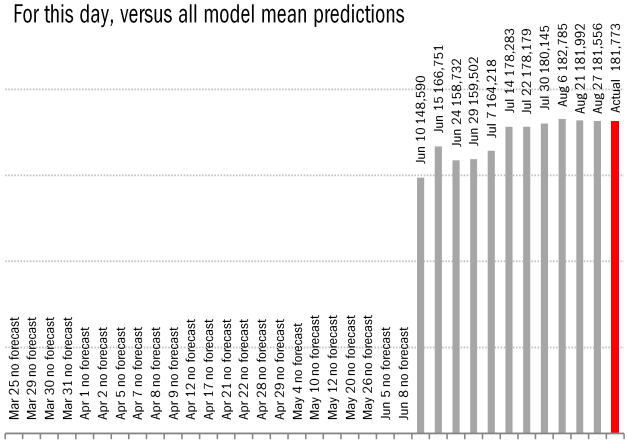


Cumulative fatalities

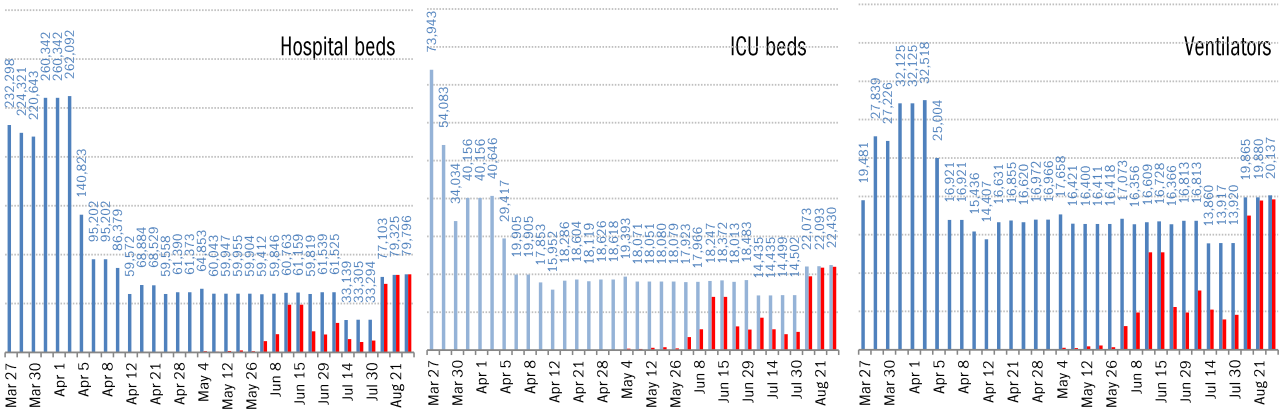
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

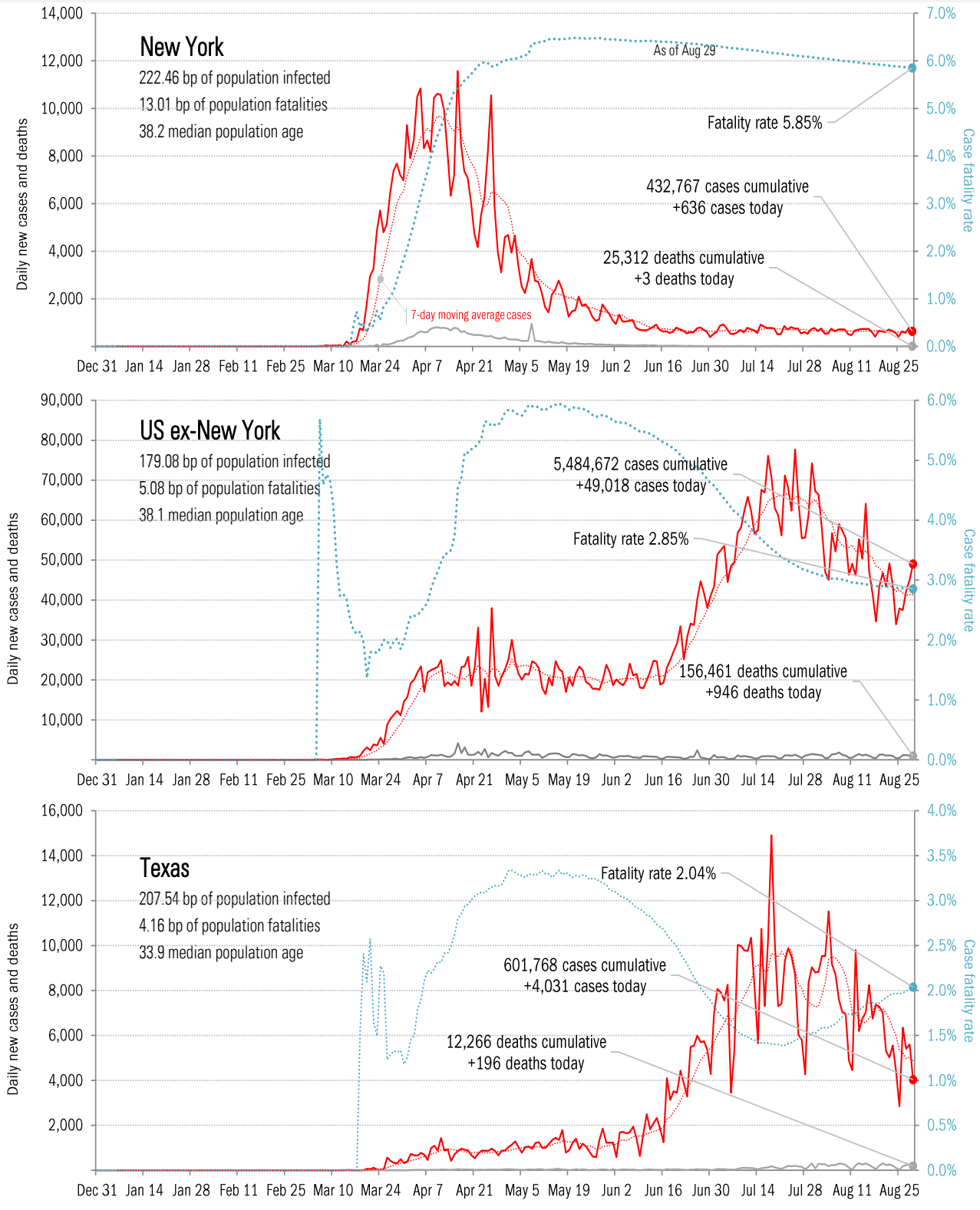


Healthcare system stress, peak and ultimate estimated at each model revision



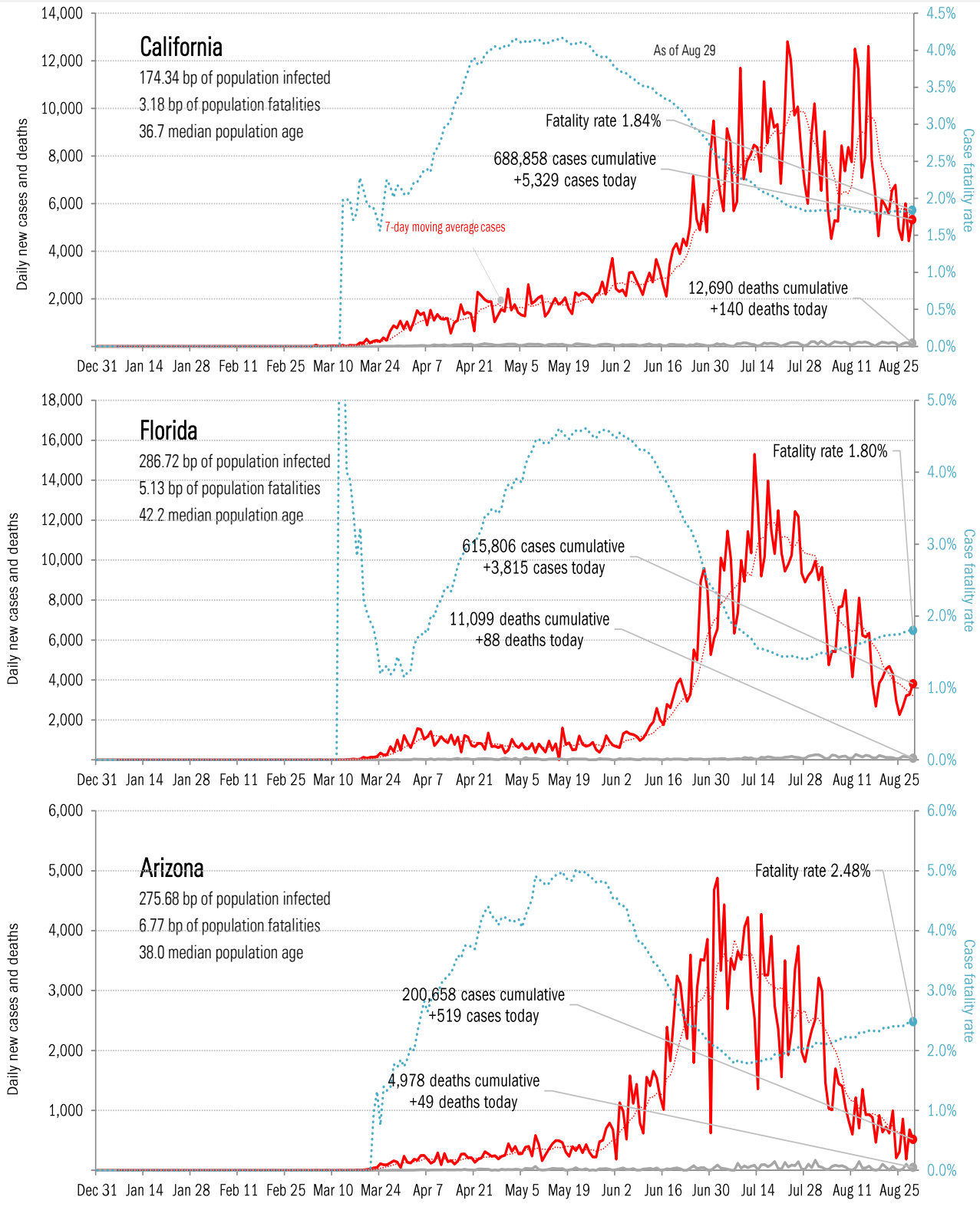
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



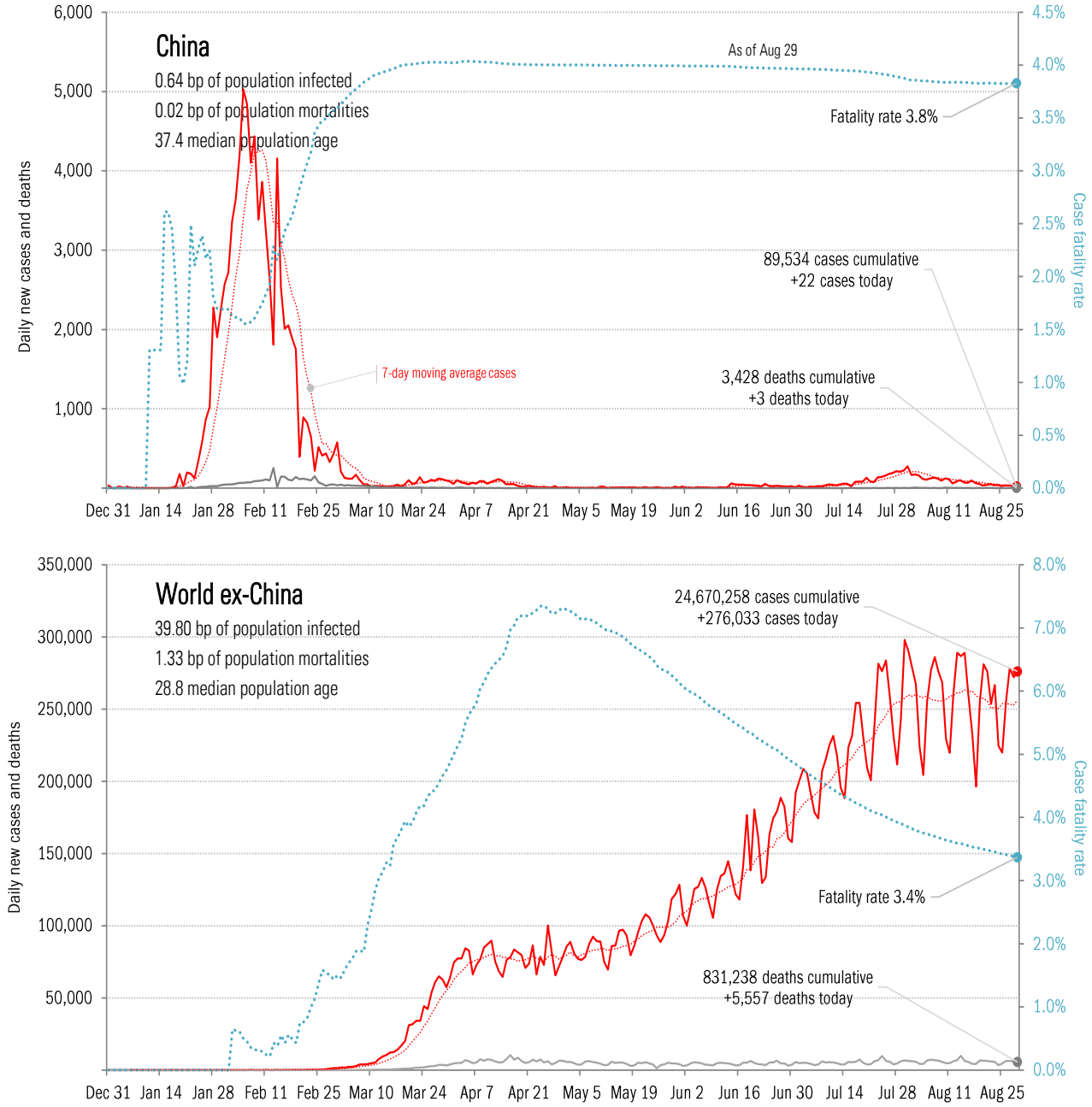
Source: ECDC, TrendMacro calculations

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



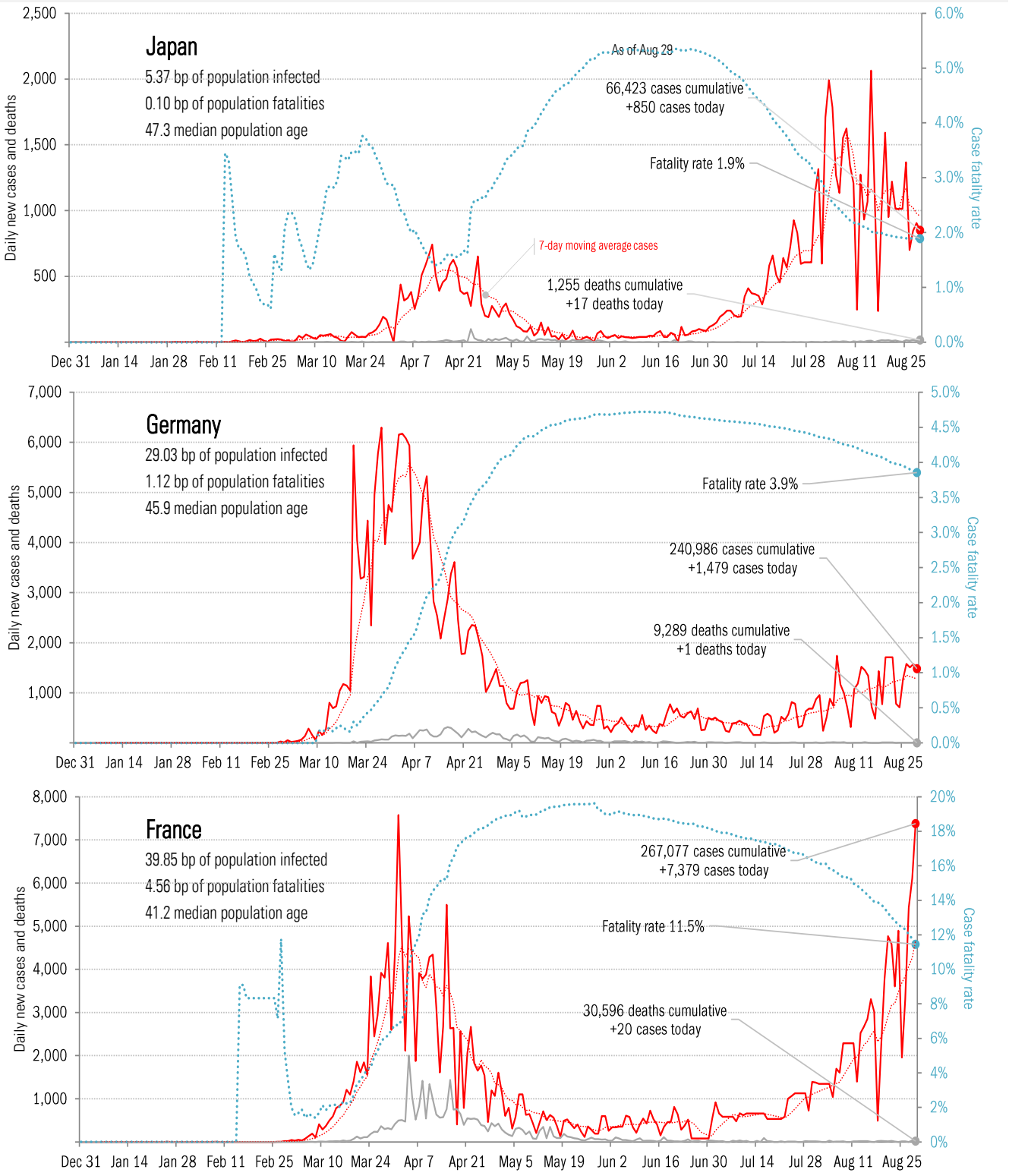
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



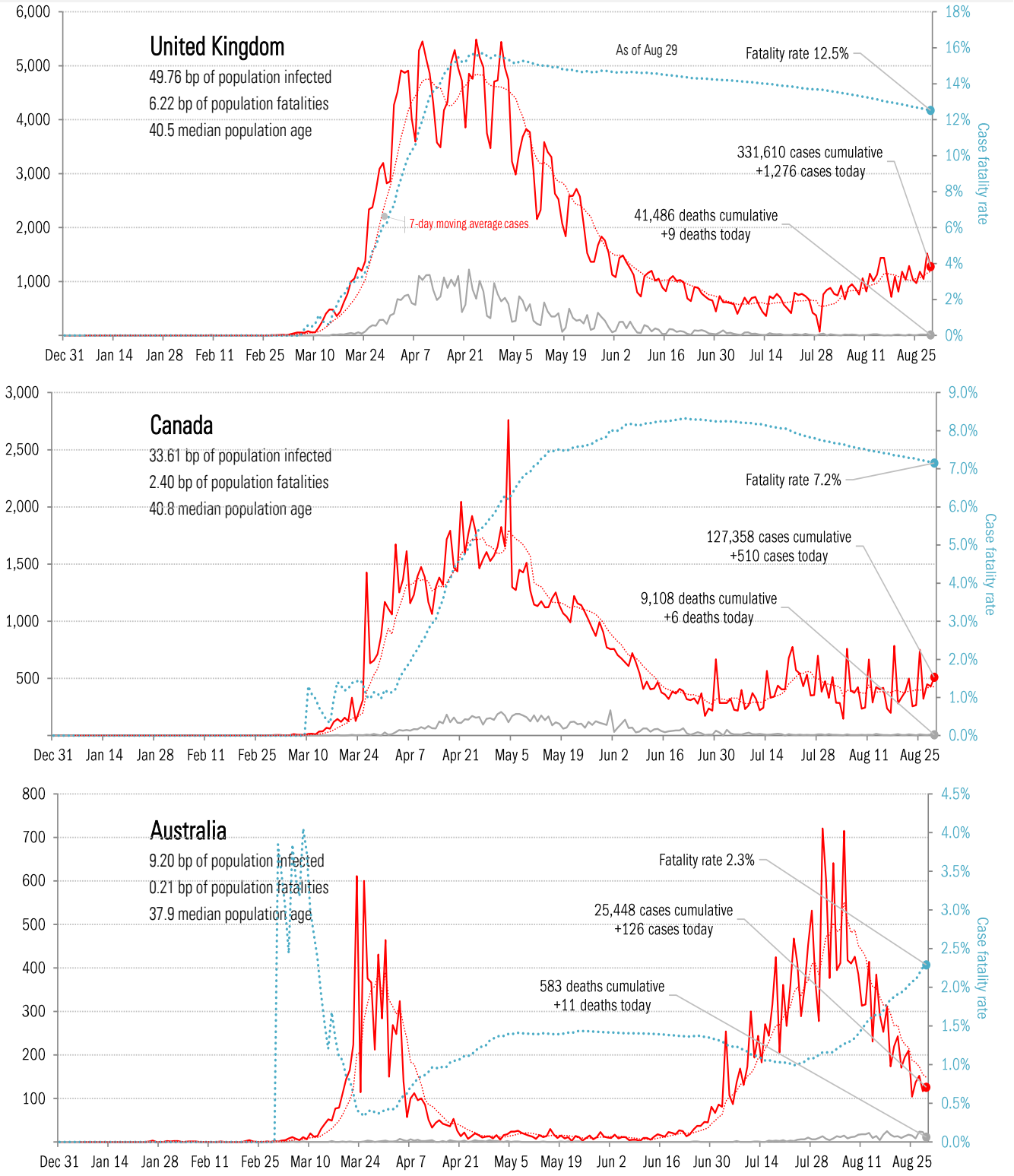
Source: ECDC, TrendMacro calculations

Impact in the largest economies



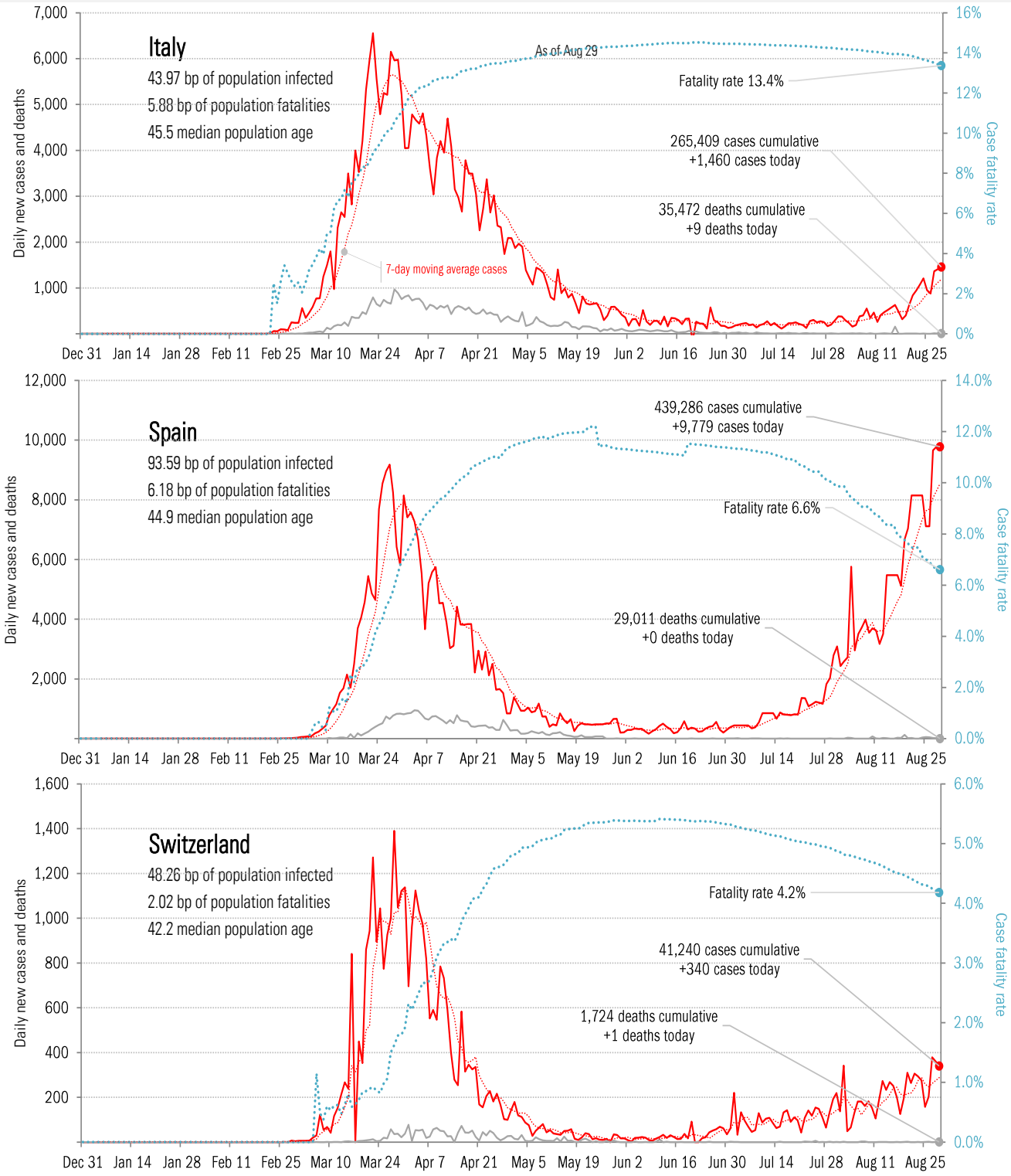
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



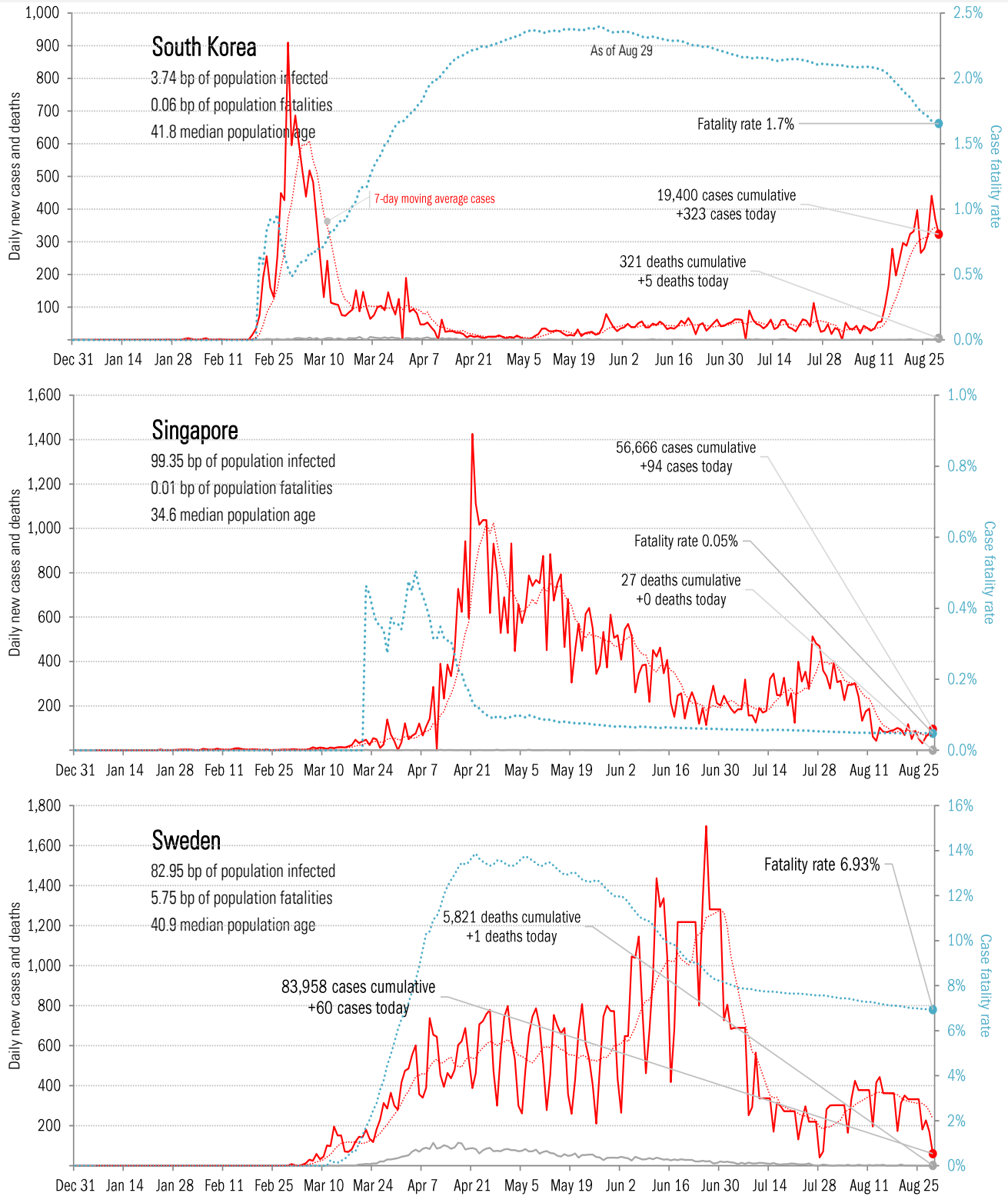
Source: ECDC, TrendMacro calculations

Impact in continental Europe



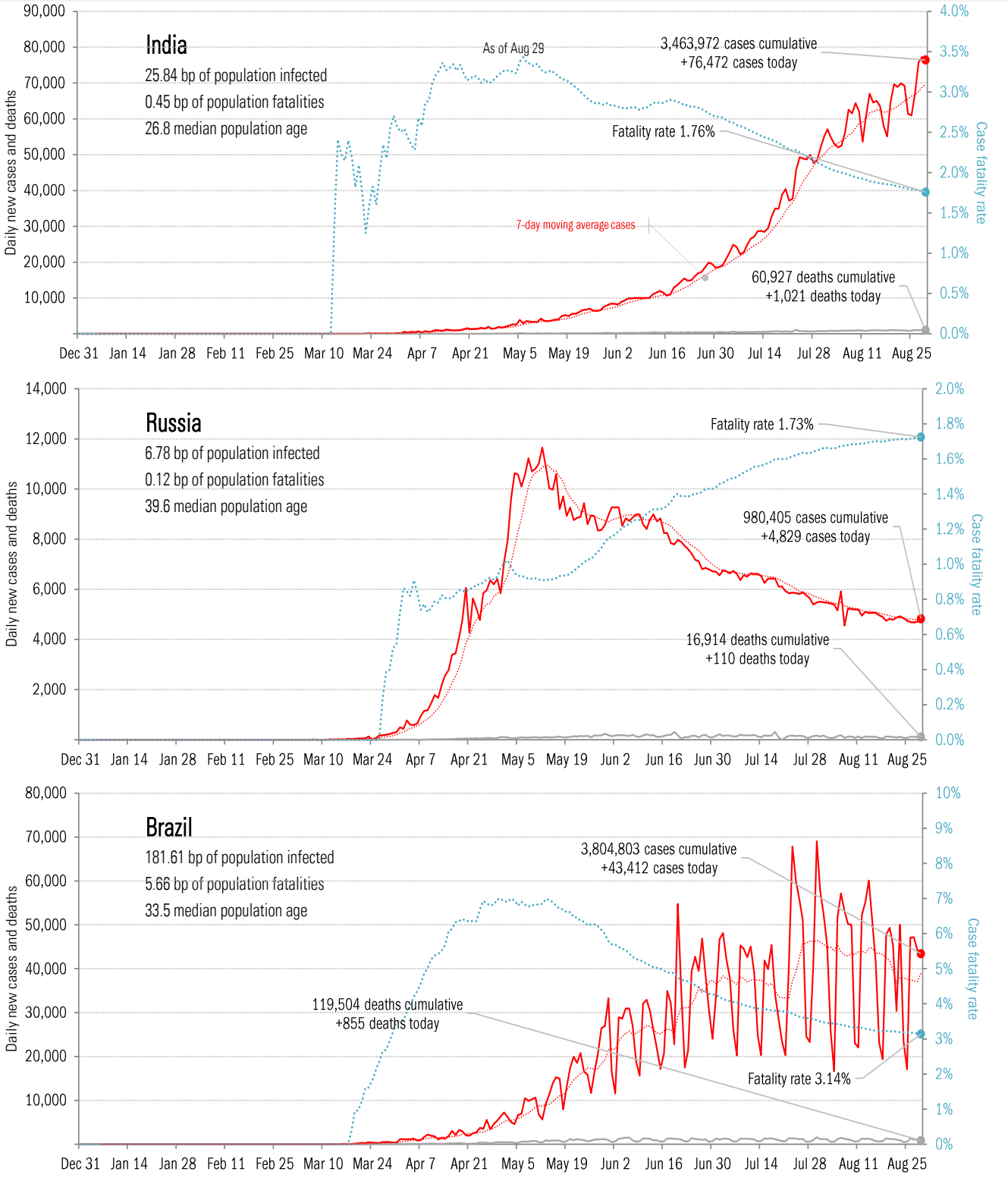
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



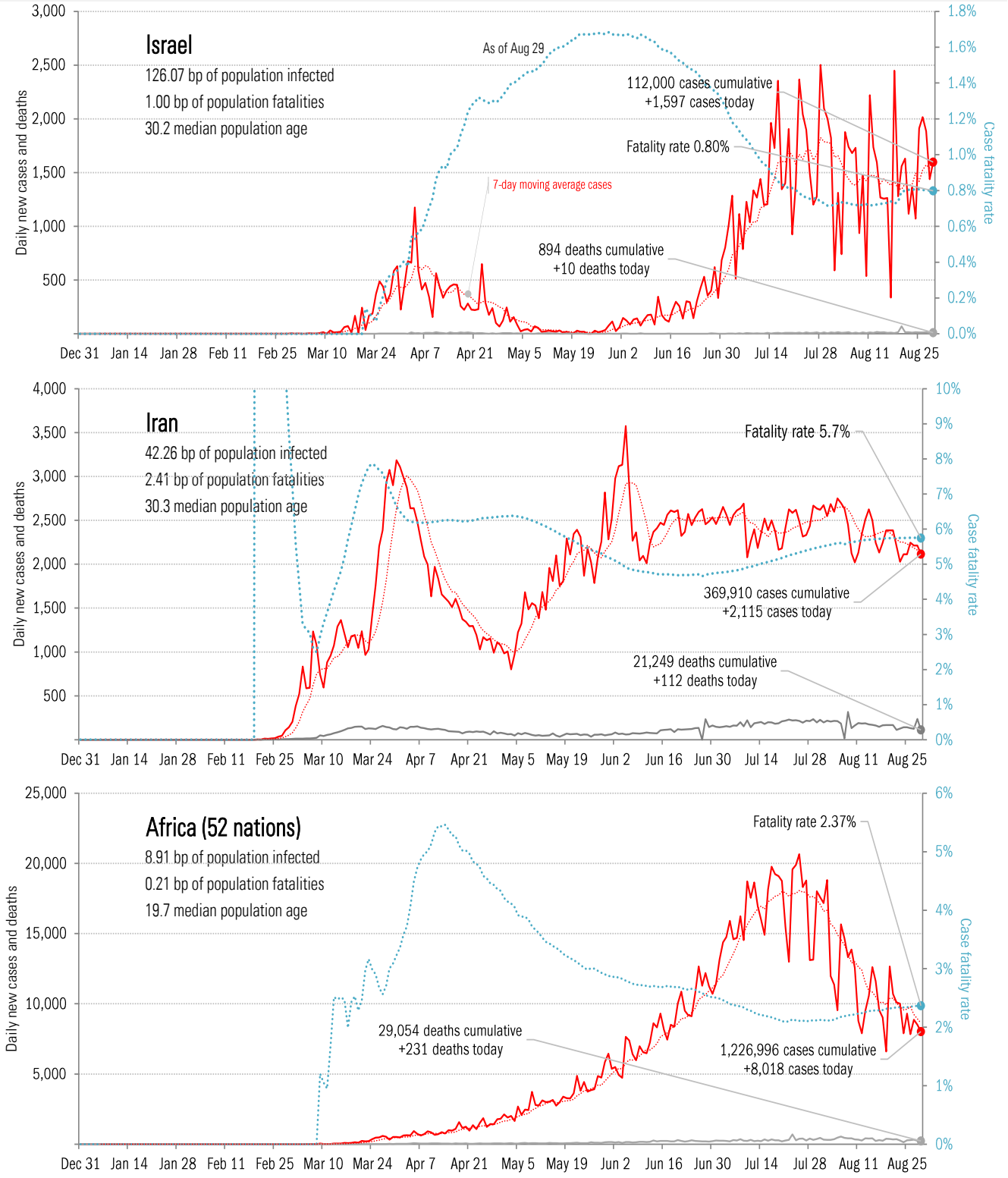
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations