Trend Macrolytics, LLC
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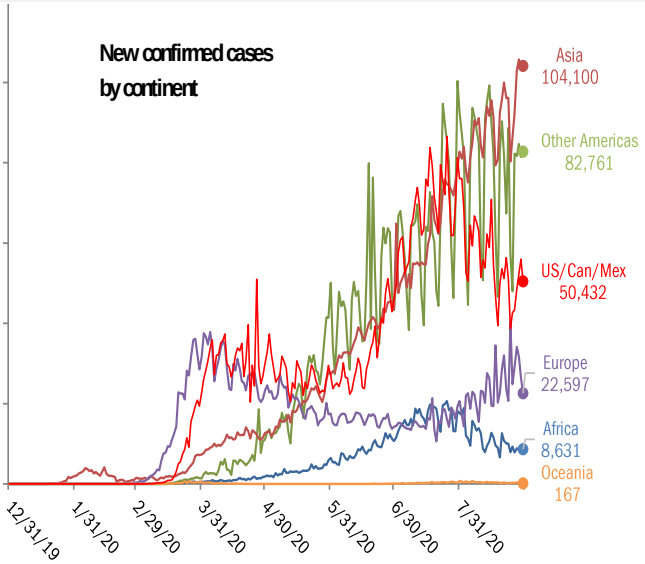
Data Insights: Covid-2019 Monitor

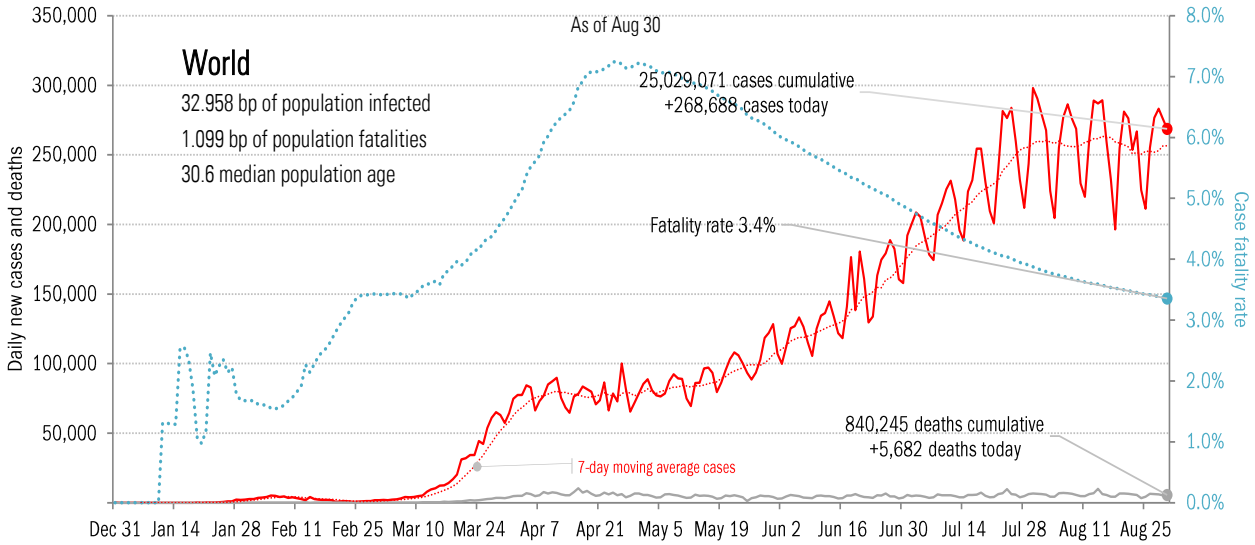
Sunday, August 30, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+78,761	US	+1,006
US	+44,143	Brazil	+958
Brazil	+41,350	India	+948
Argentina	+11,730	Mexico	+673
Peru	+9,474	Colombia	+297
Colombia	+9,394	South_Africa	+238
Mexico	+5,974	Argentina	+176
France	+5,453	Peru	+136
Russia	+4,941	Russia	+111
Iraq	+3,834	Iran	+110
	+215,054		+4,653
World	+268,688	World	+5,682
Top ten	80%	Top ten	82%





Source: ECDC, TrendMacro calculations

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The US scorecard

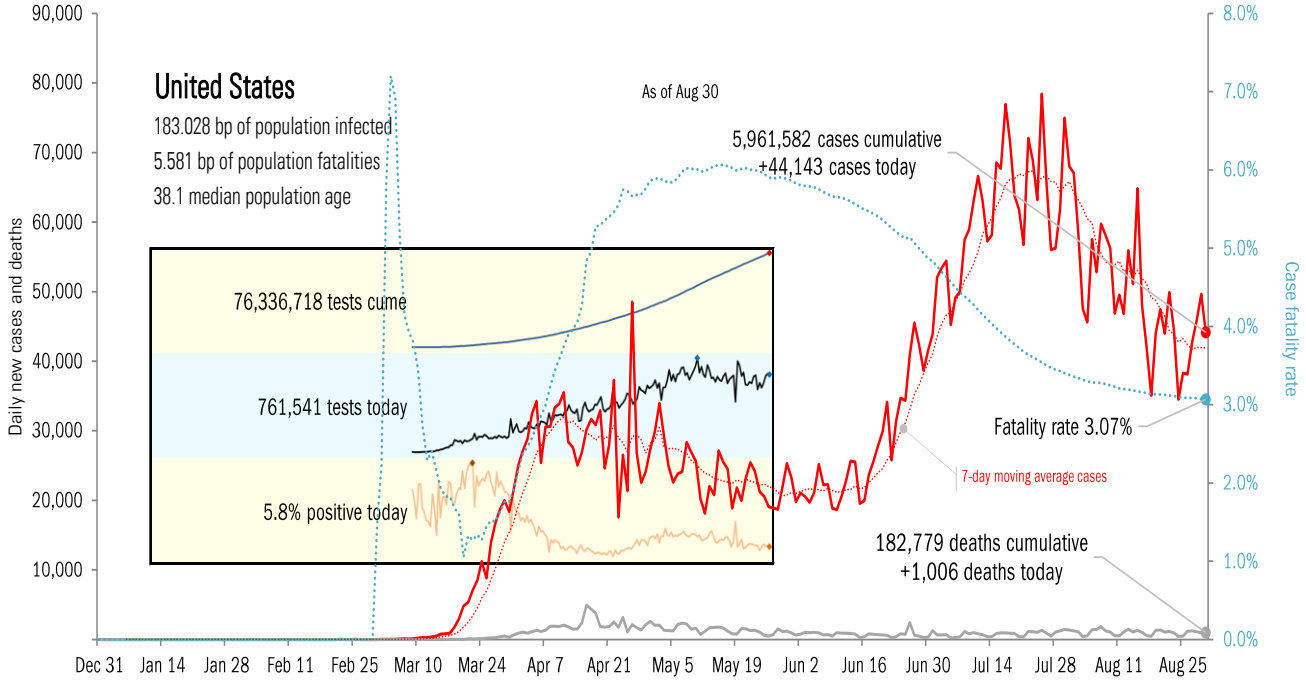
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+4,981	TX	+154	FL	+287	CA	693,839	NY	25,319	NY	89,995
TX	+4,762	FL	+150	GA	+198	FL	619,003	NJ	15,933	FL	38,761
FL	+3,197	CA	+144	SC	+167	TX	606,530	CA	12,834	GA	24,533
NC	+2,585	GA	+105	VA	+91	NY	433,402	TX	12,420	NJ	22,617
GA	+2,386	AL	+45	OK	+75	GA	267,758	FL	11,249	AZ	21,433
IL	+1,880	SC	+43	OH	+67	IL	233,065	MA	9,036	VA	16,058
AL	+1,704	MO	+32	MN	+54	AZ	201,287	IL	8,217	AL	14,267
TN	+1,465	NC	+31	WI	+39	NJ	191,320	PA	7,671	MD	14,217
SC	+1,298	AZ	+29	MD	+33	NC	165,076	MI	6,712	OH	13,288
VA	+1,217	TN	+24	NJ	+31	TN	152,280	GA	5,576	MA	12,358
	+25,475		+757		+1,042		3,563,560		114,967		267,527
All states	+44,328	All states	+1,014	All states	+1,278	All states	5,928,381	All states	174,768	All states	368,866
Top ten	57%	Top ten	75%	Top ten	82%	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	
KS	-1,111	TX	-42	AL	-262	TX	+8,041
VA	-917	LA	-30	TN	-74	MI	+3,571
MI	-793	AZ	-20	KS	-52	PA	+2,011
FL	-618	VA	-17	IN	-50	OH	+1,058
LA	-606	IL	-9	AR	-38	MN	+903



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

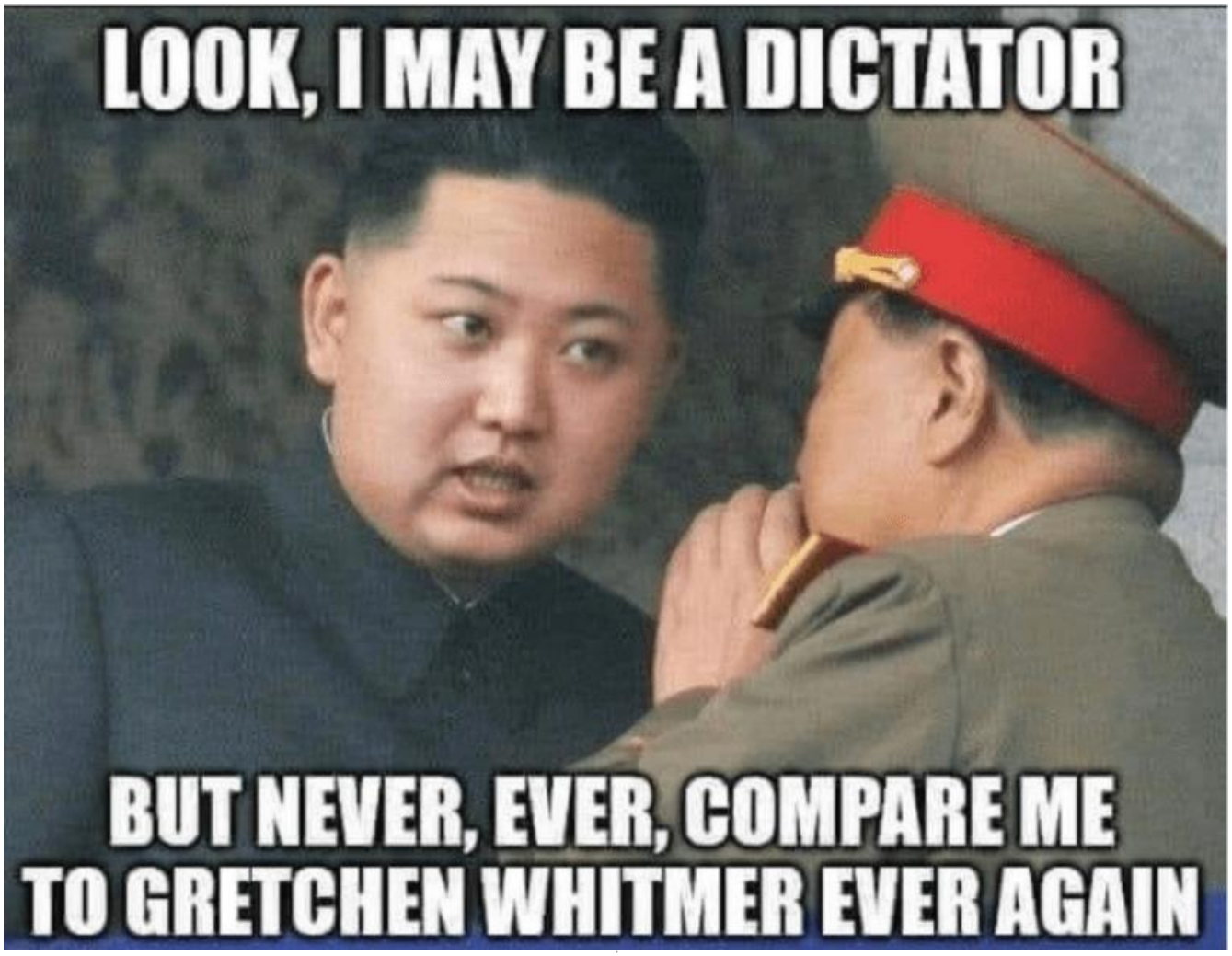
Recommended reading

[Interview with David E. Martin]
London Real-Transform Yourself
August 23, 2020

[Shut Up, Put On Your Mask]
Pat McHale
Graco
August 29, 2020

[Exercise May Boost Your Vaccine Response]
Gretchen Reynolds
New York Times
August 26, 2020

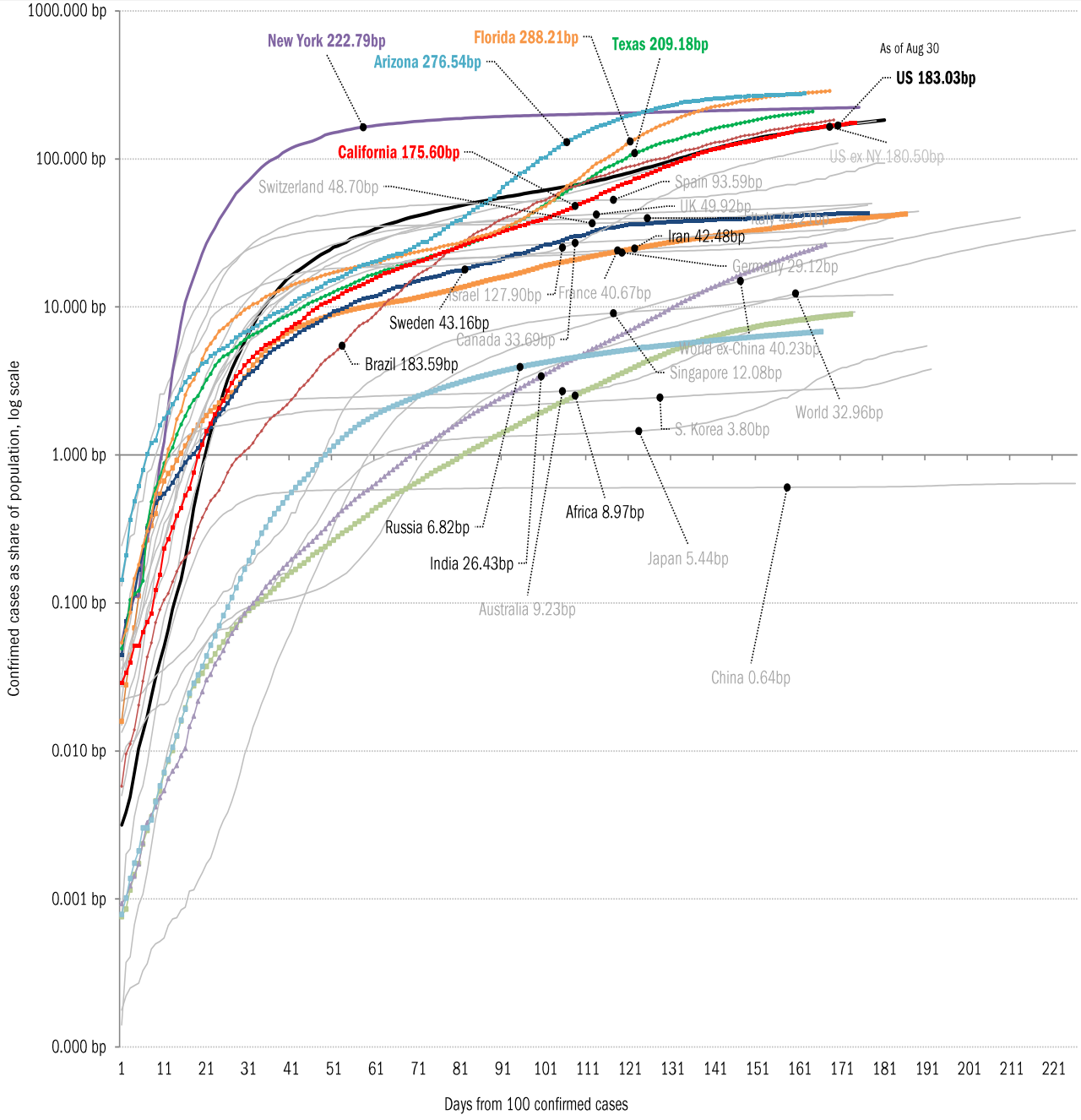
Meme of day



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

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

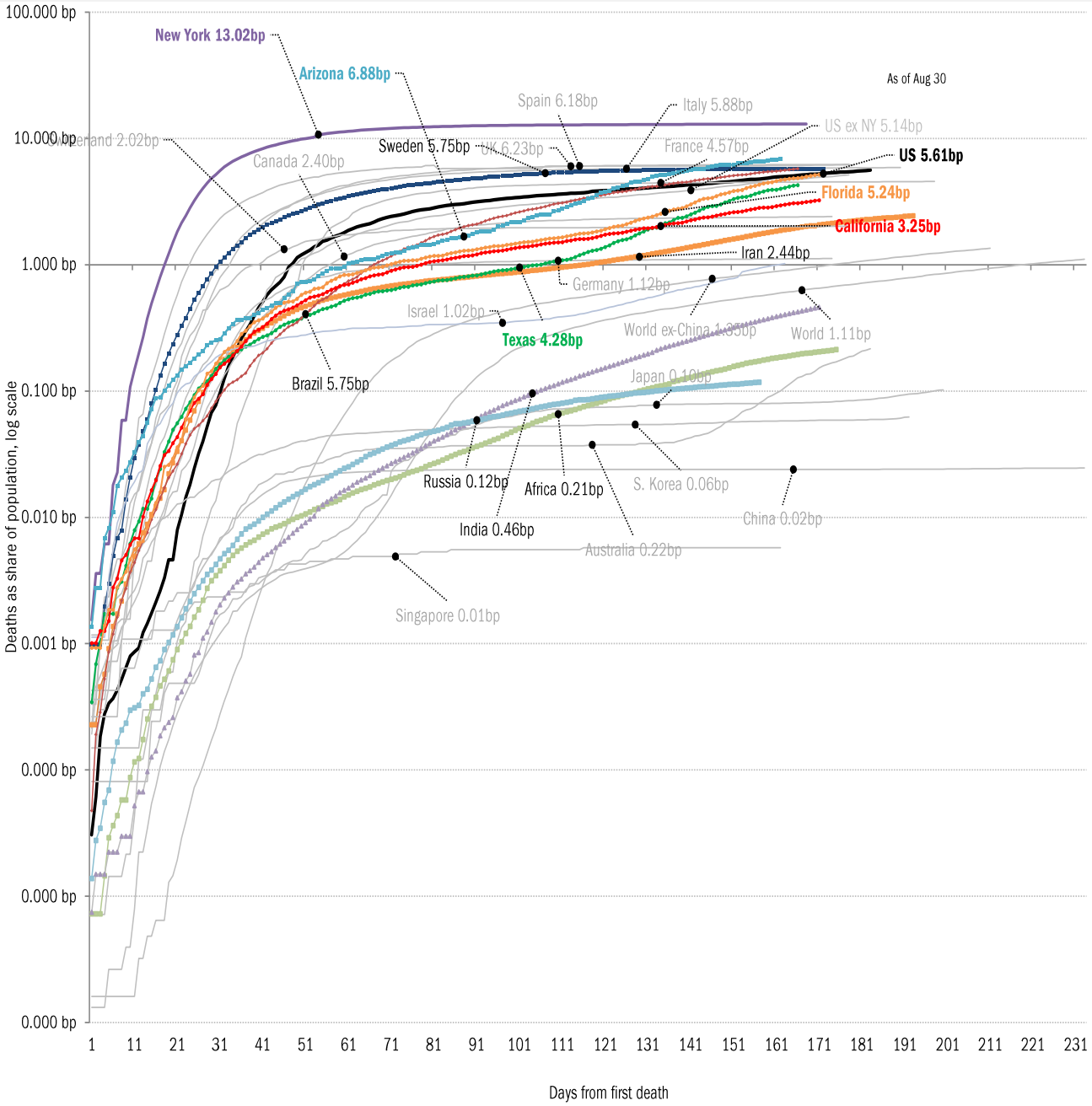
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

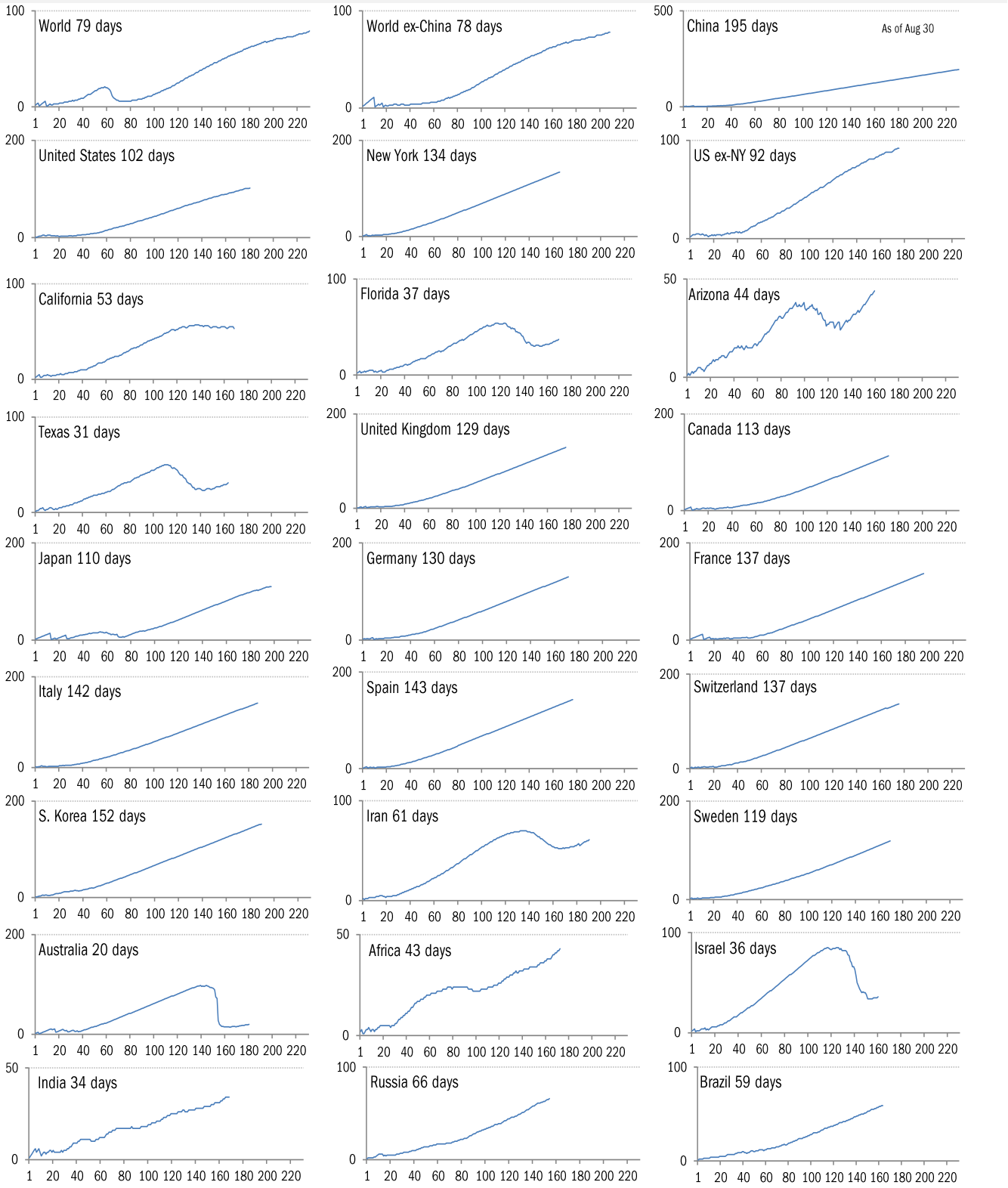


Source: ECDC, TrendMacro calculations

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

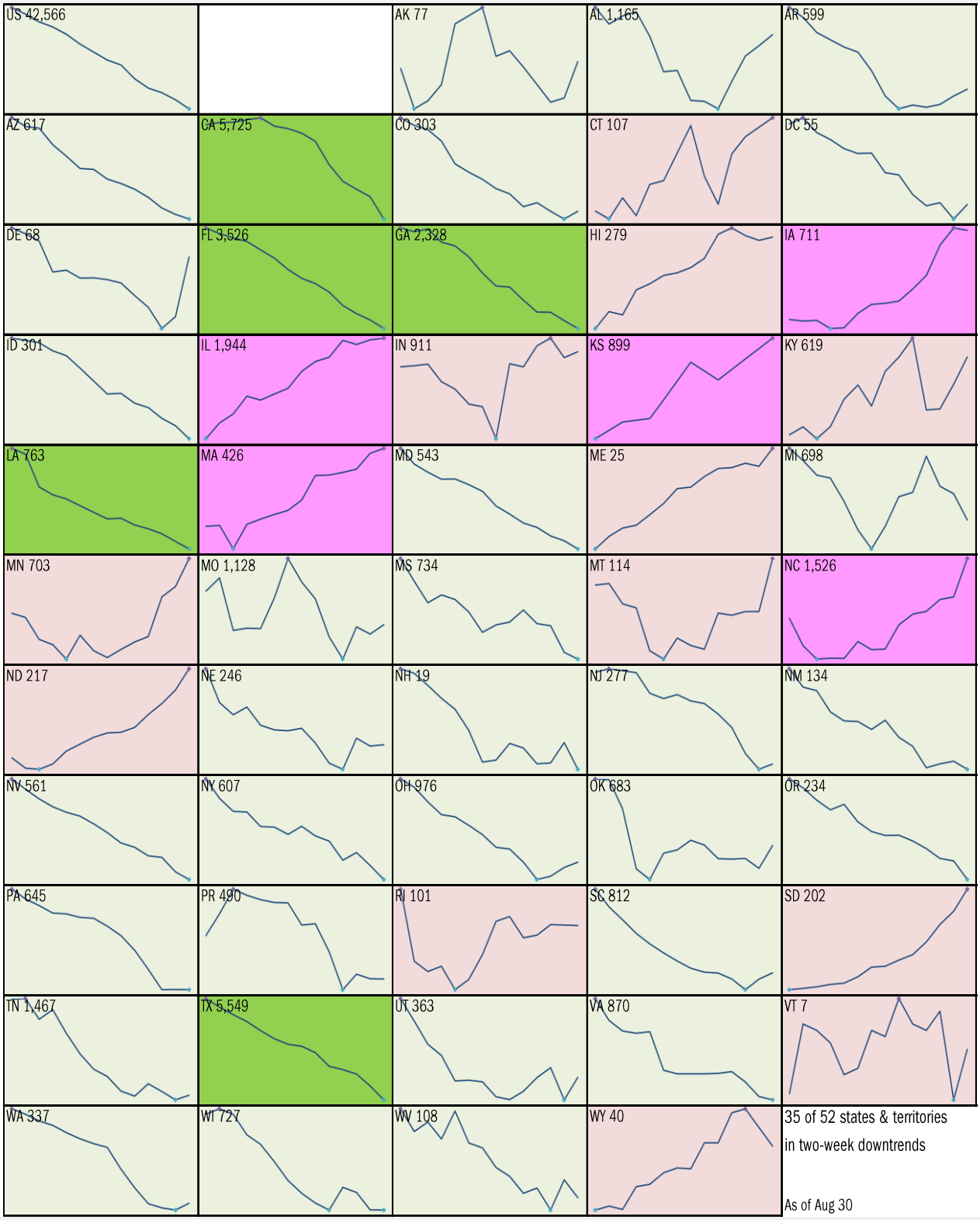


Source: ECDC, TrendMacro calculations

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

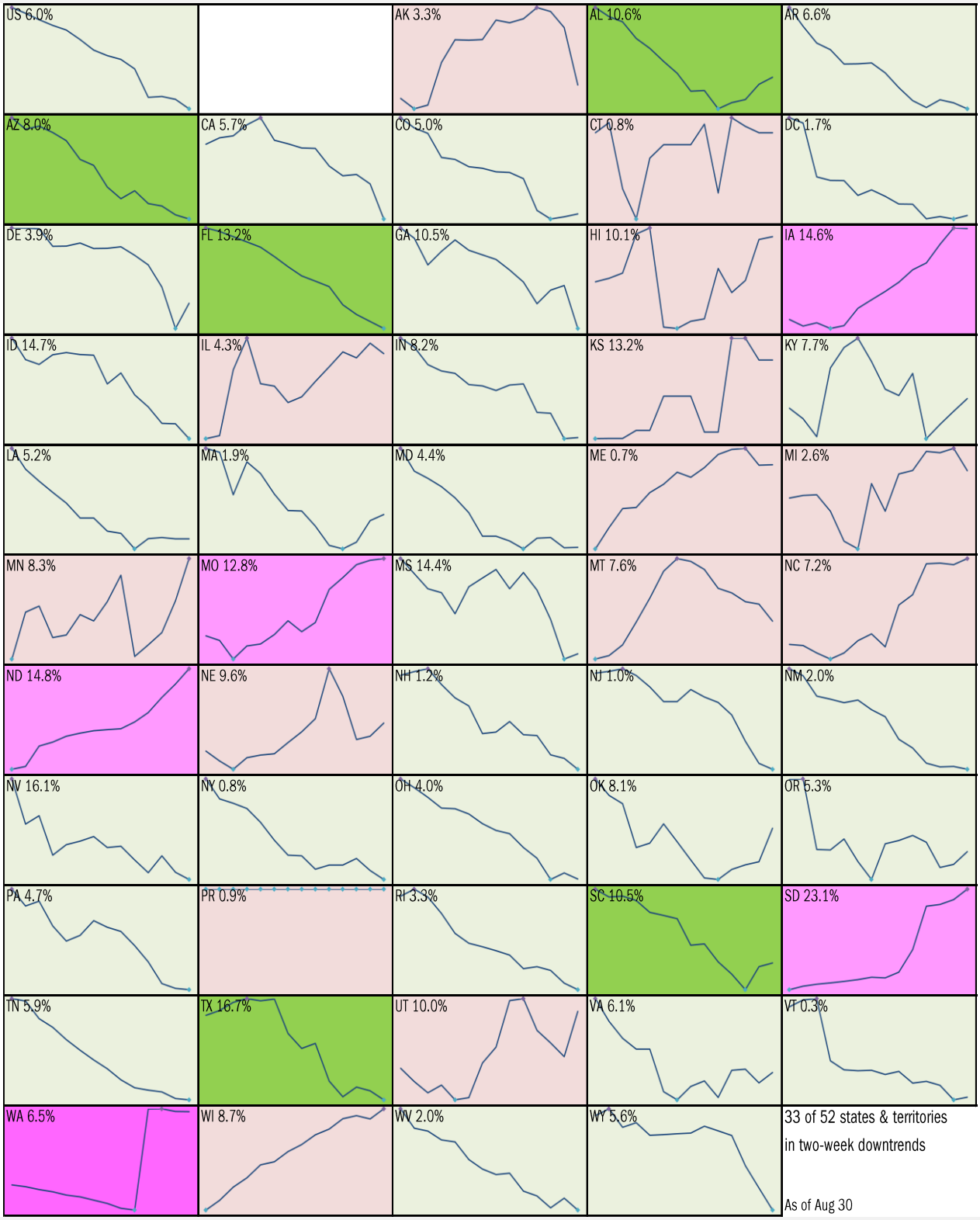


Source: Covid Tracking Project, TrendMacro calculations

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

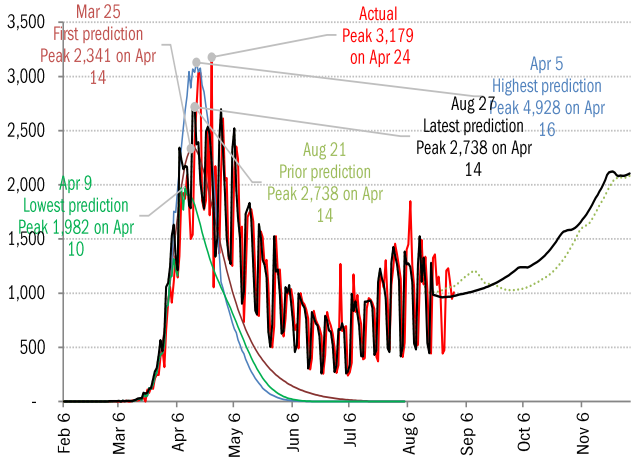


Source: Covid Tracking Project, TrendMacro calculations

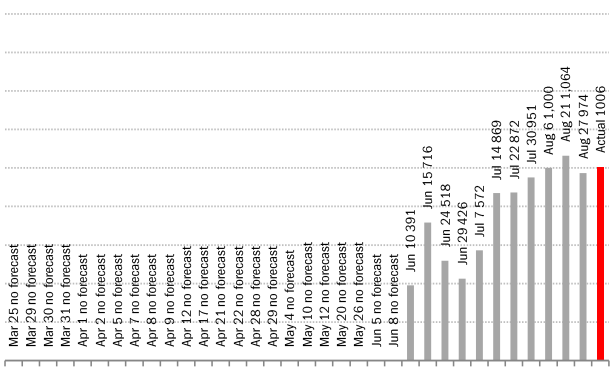
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Aug 30

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

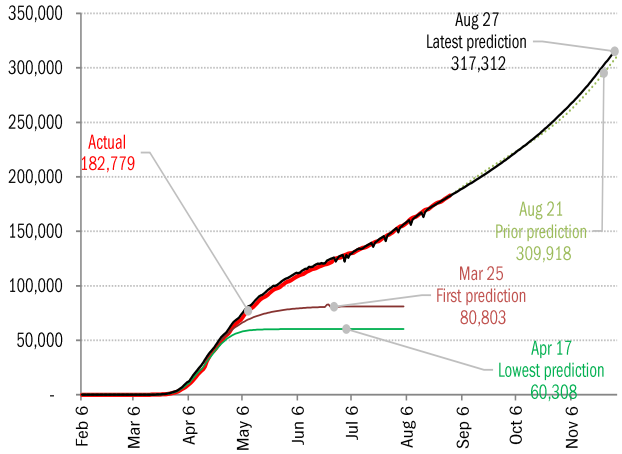


For this day, versus all model mean predictions

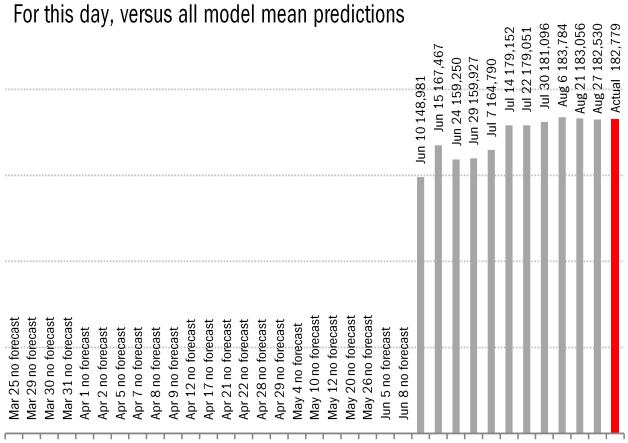


Cumulative fatalities

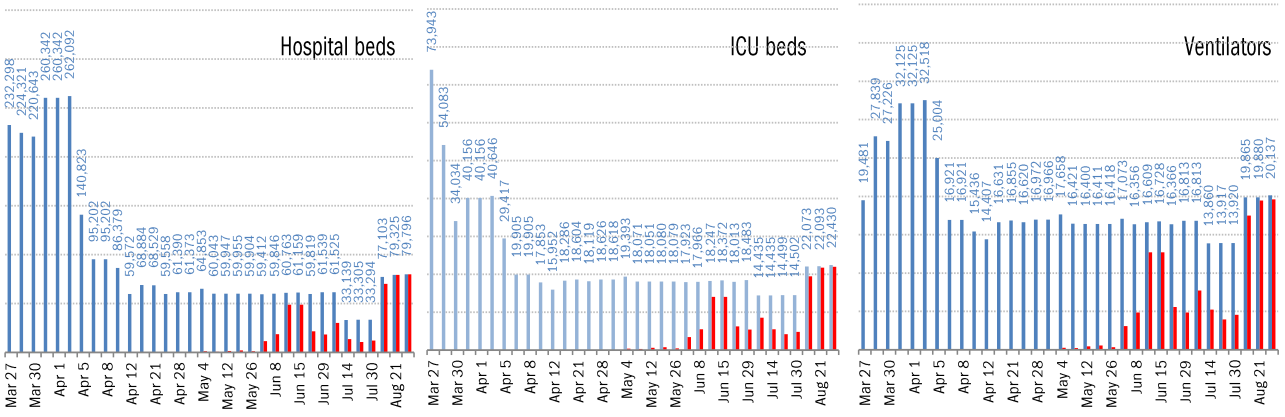
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

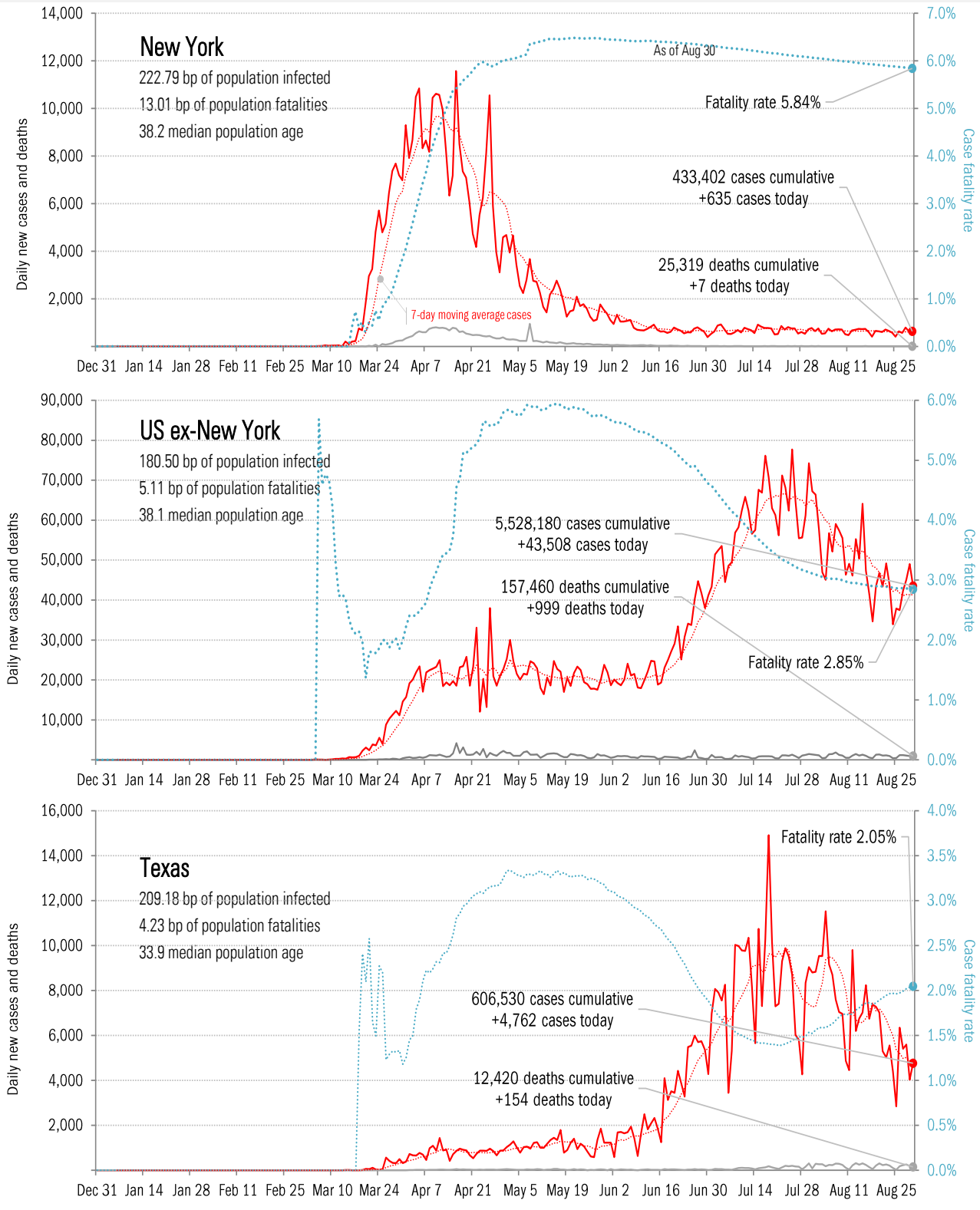


Healthcare system stress, peak and ultimate estimated at each model revision



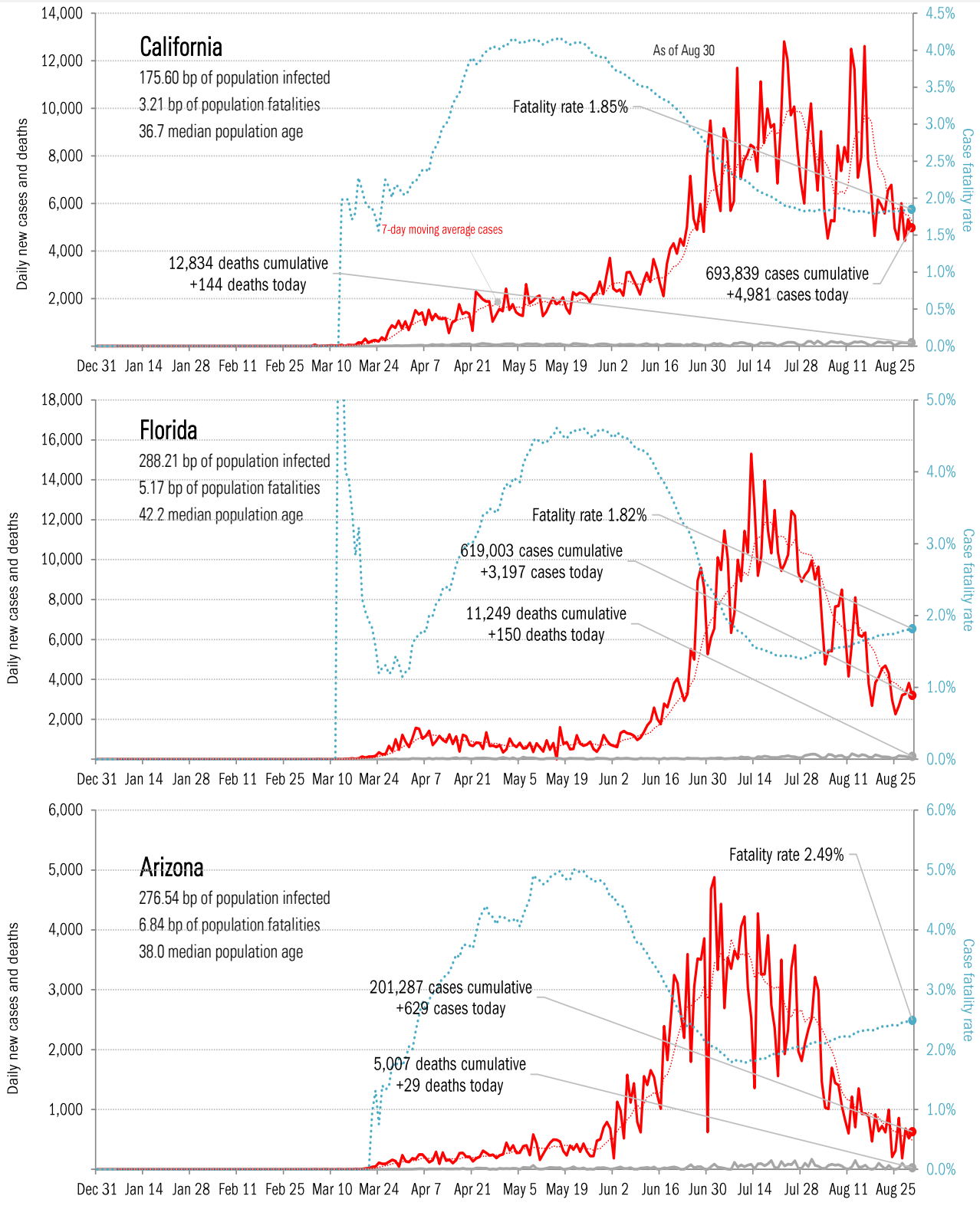
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



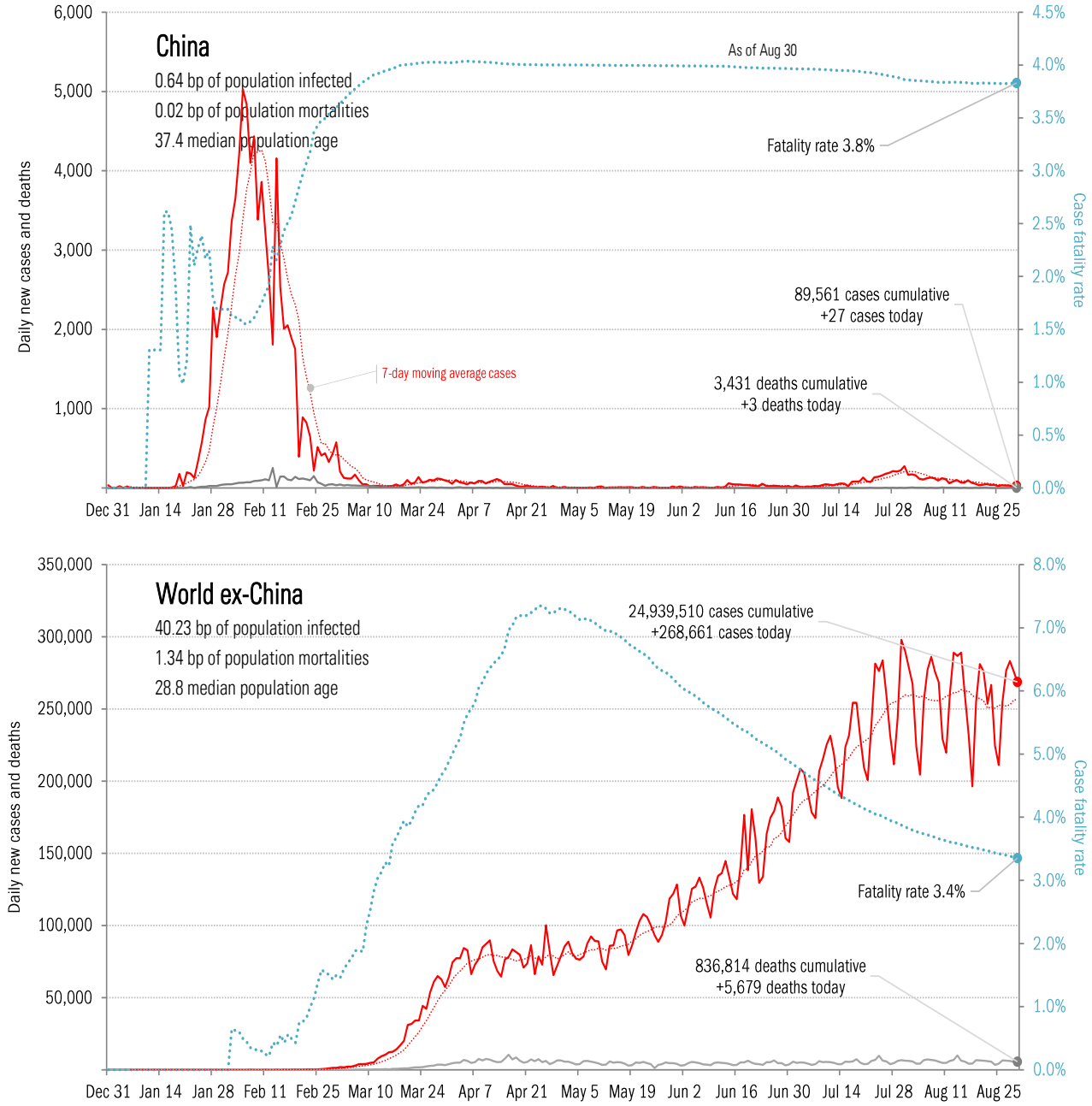
Source: ECDC, TrendMacro calculations

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



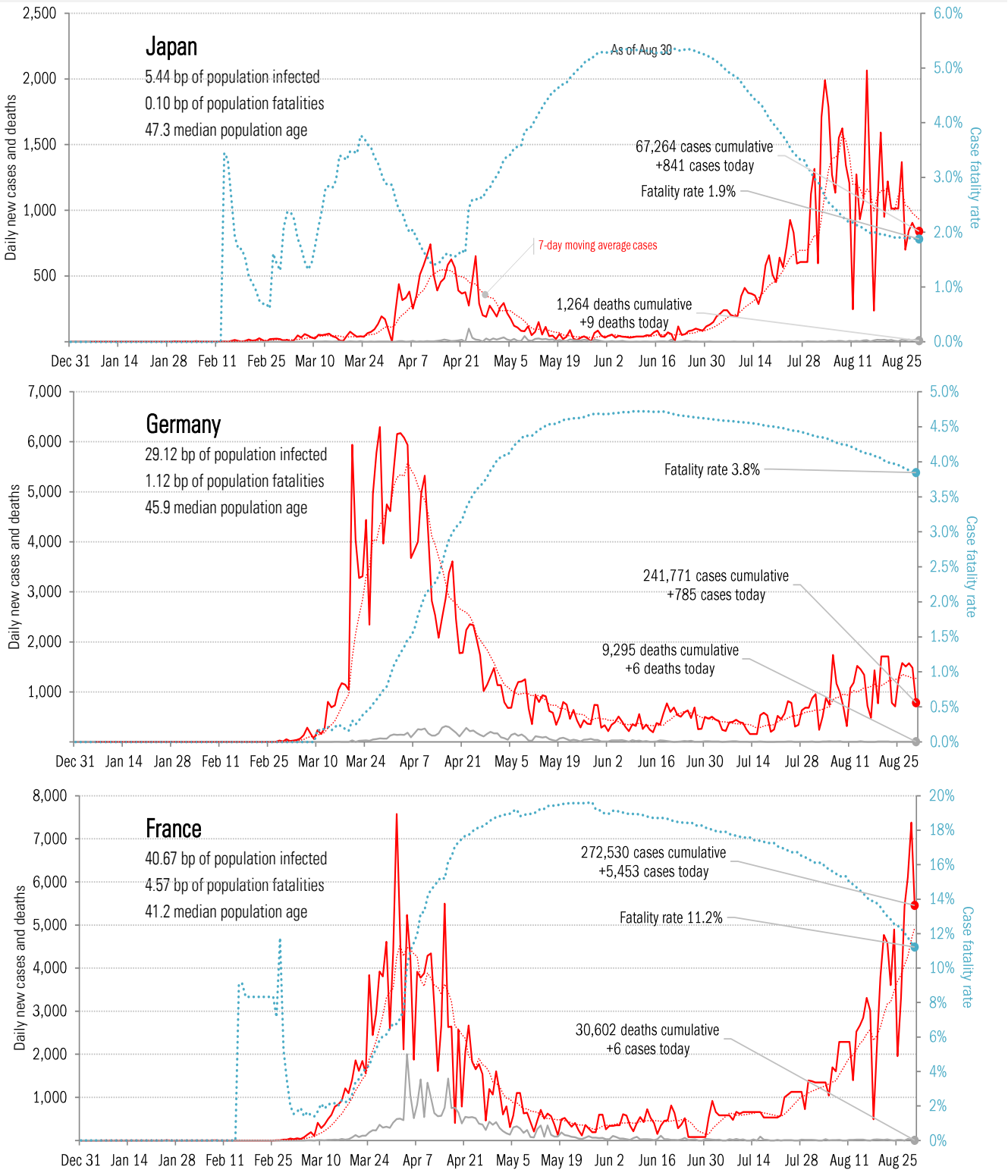
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



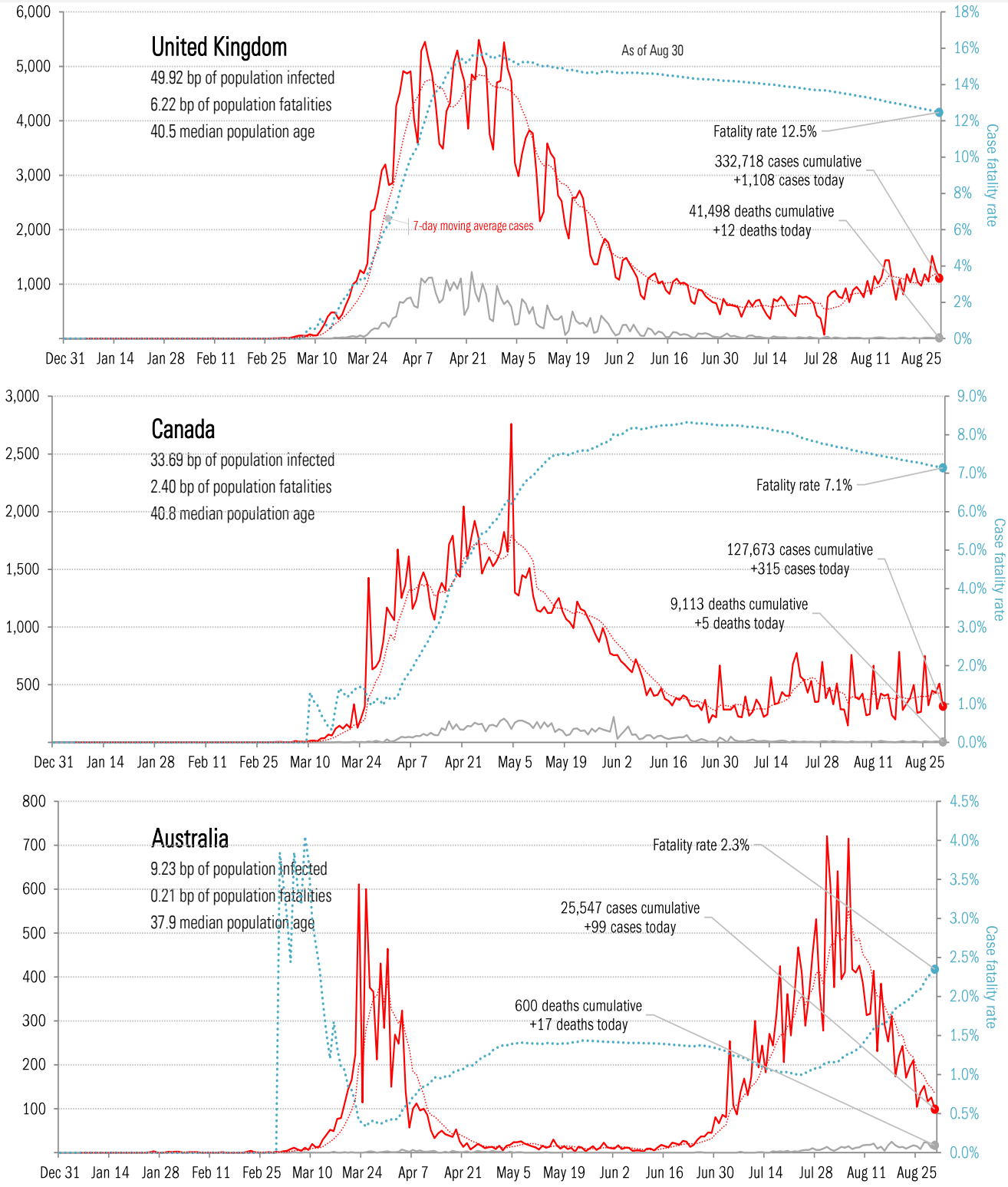
Source: ECDC, TrendMacro calculations

Impact in the largest economies



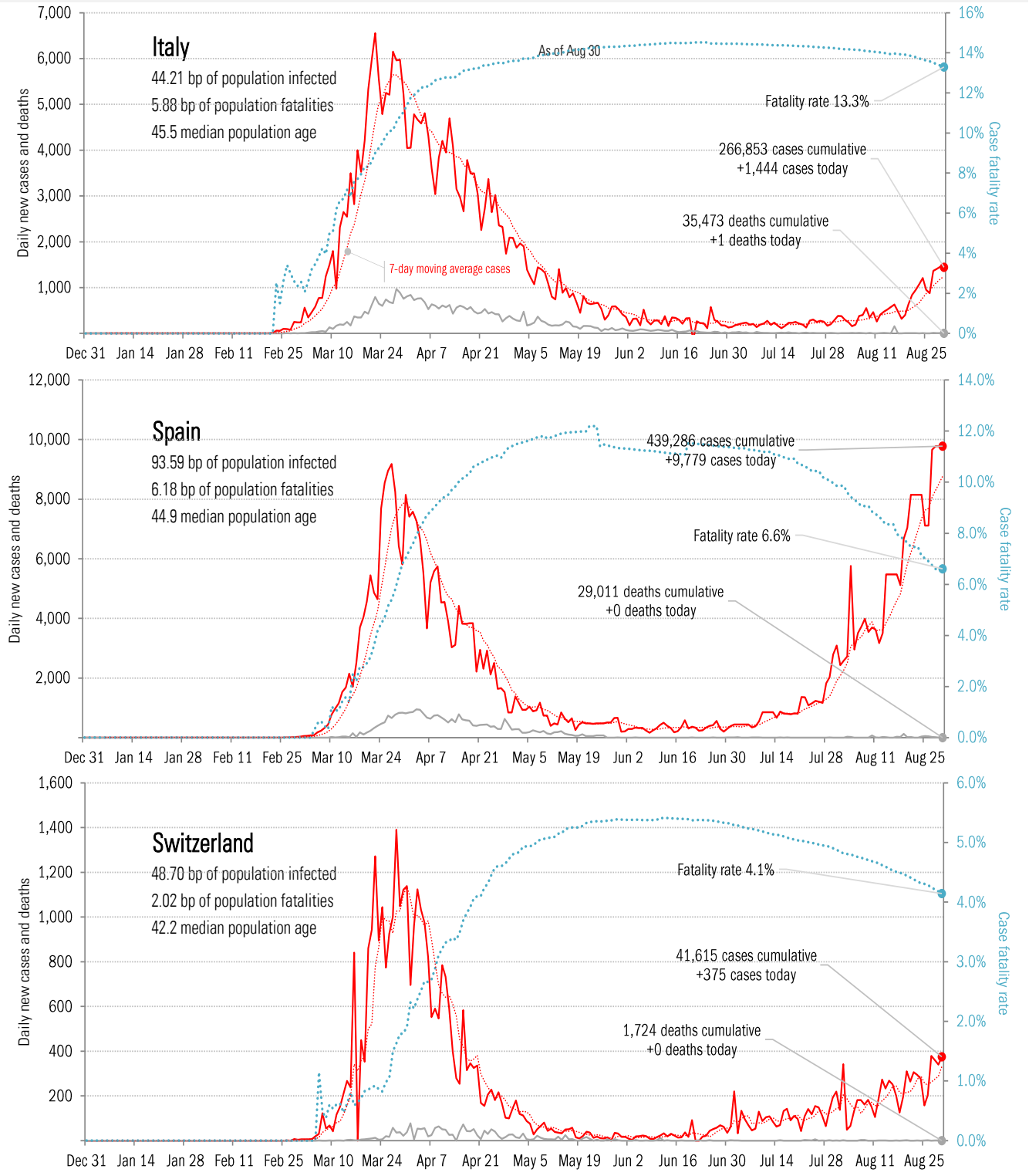
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



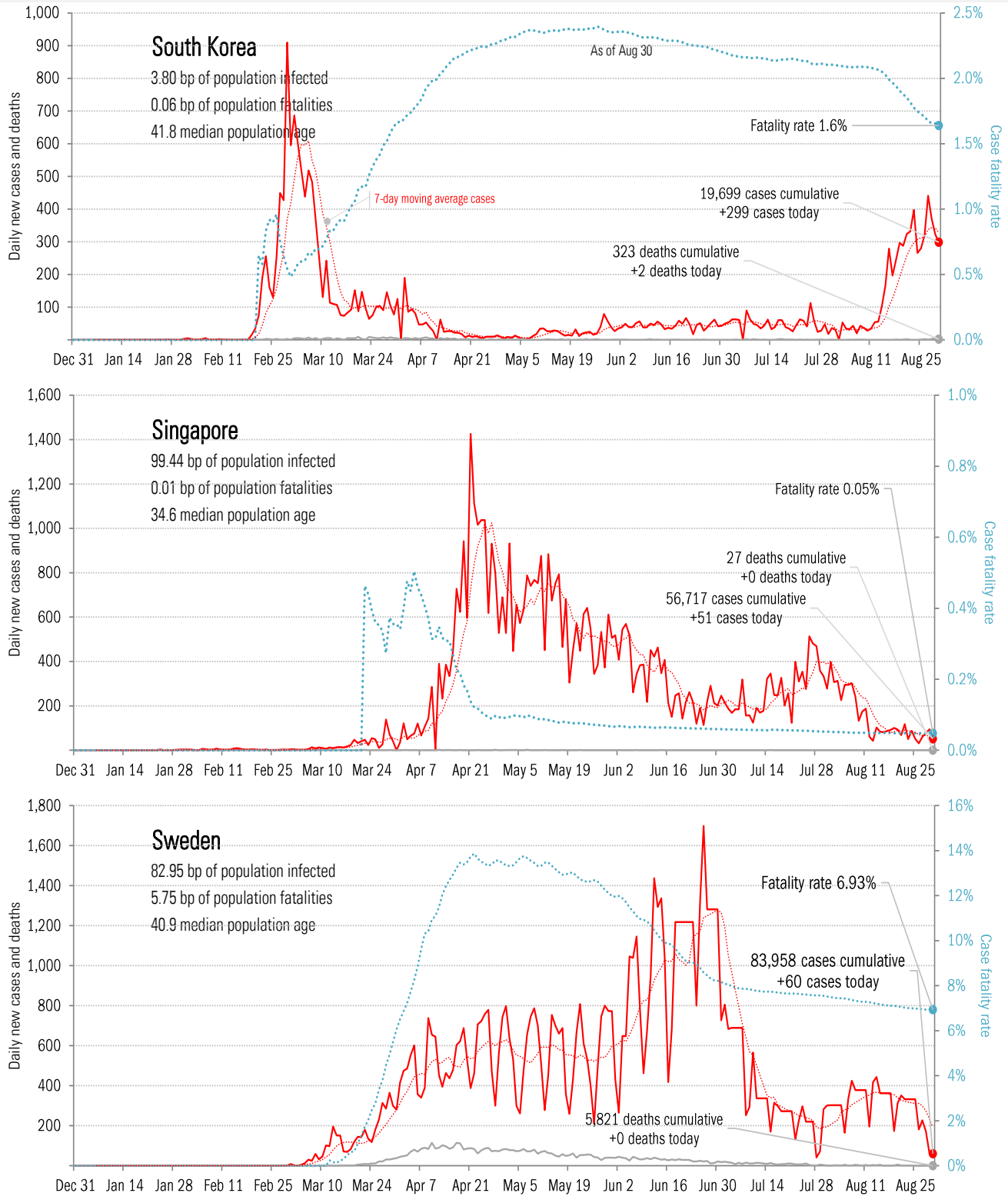
Source: ECDC, TrendMacro calculations

Impact in continental Europe



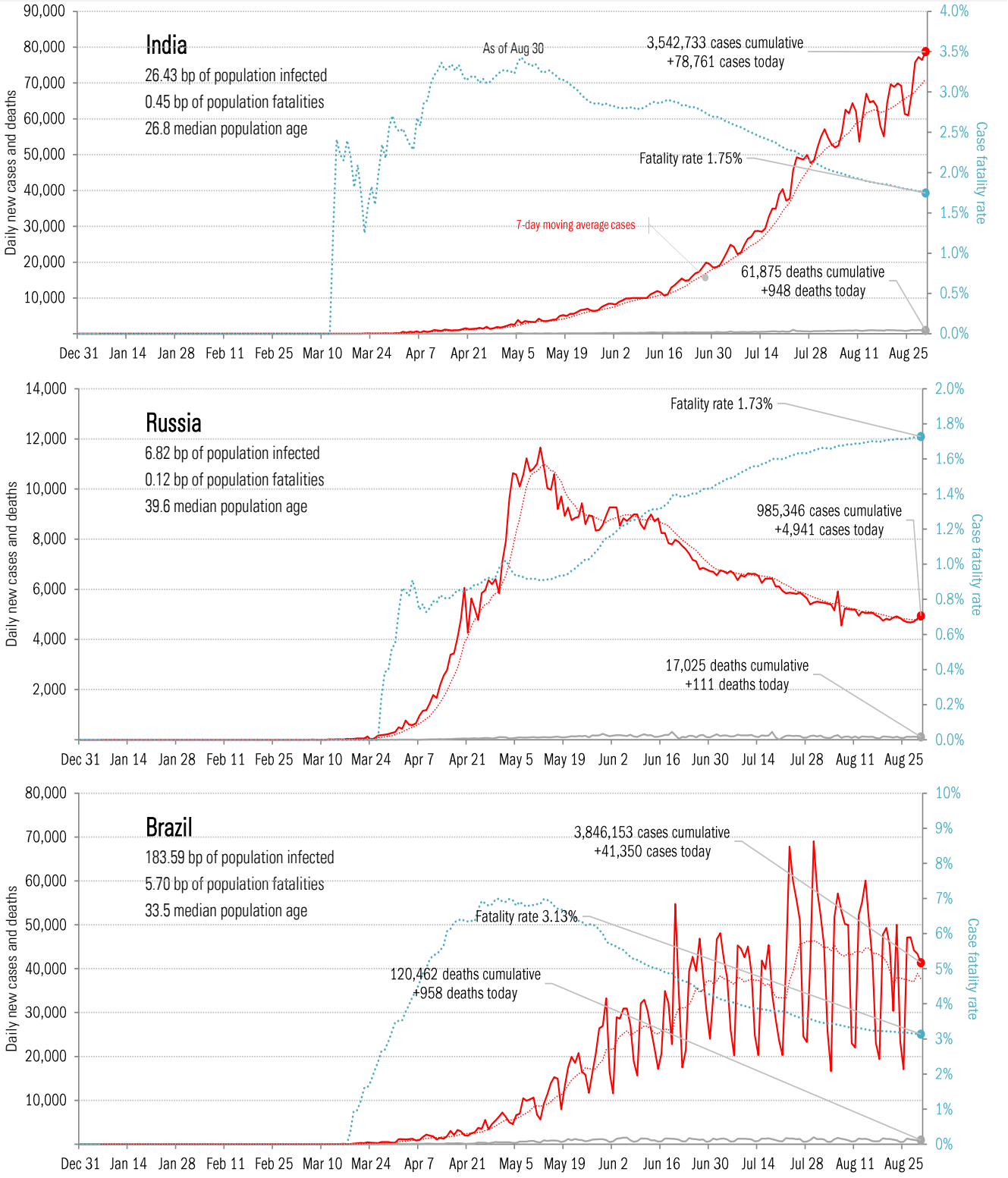
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



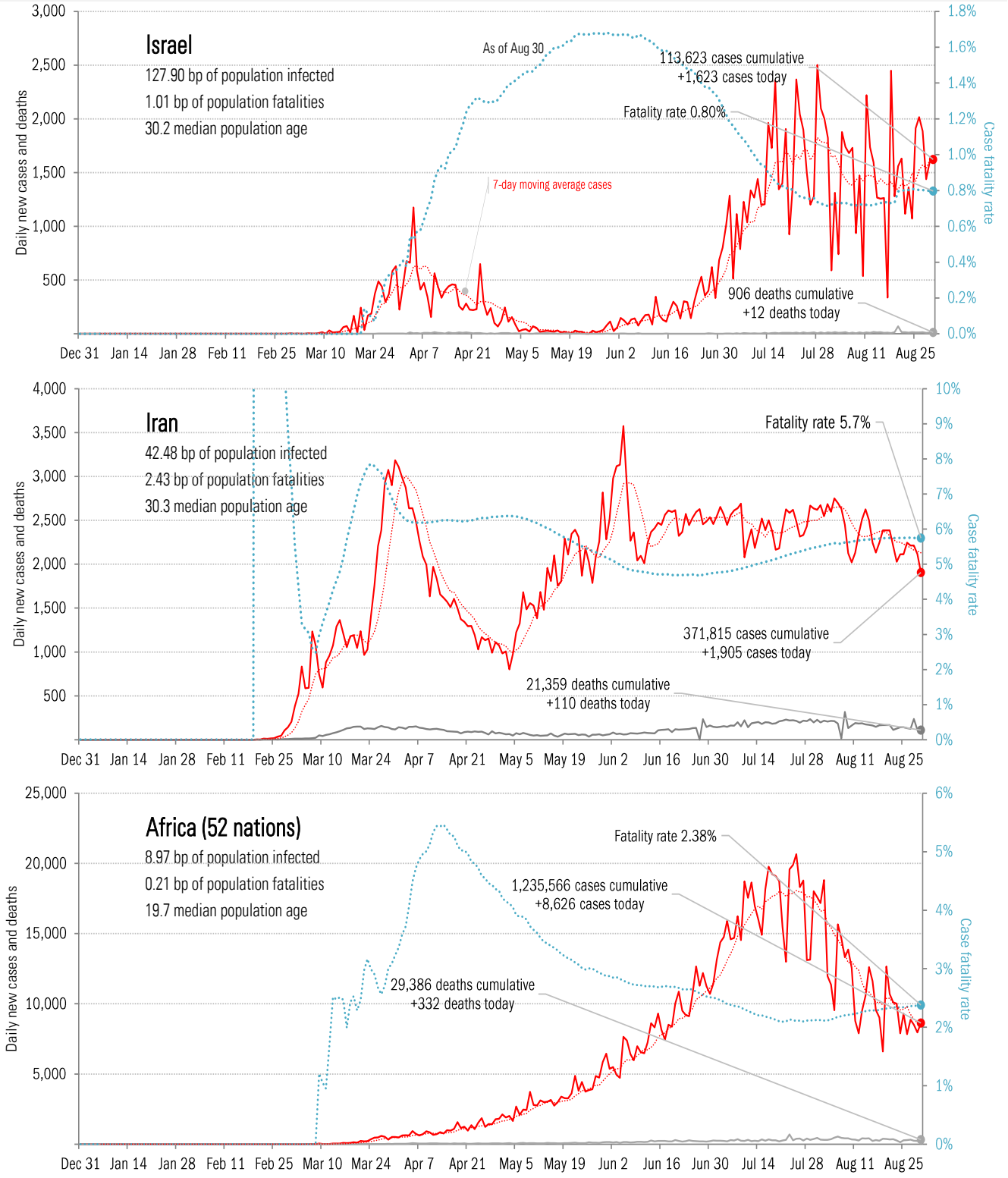
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations