Trend Macrolytics, LLC
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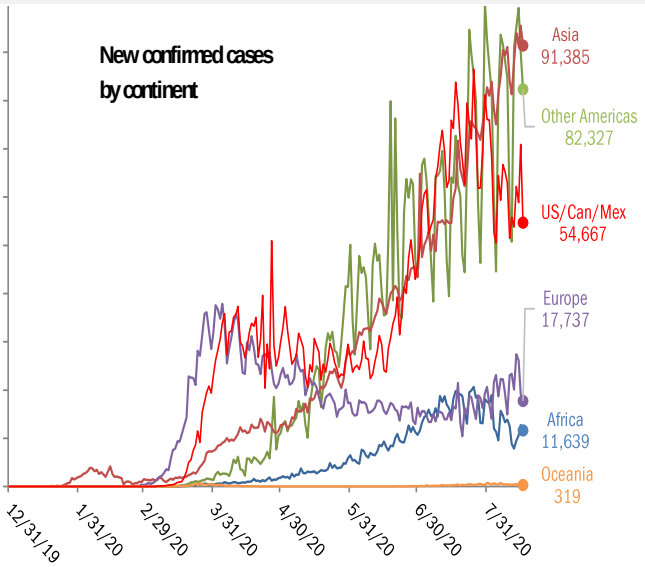
Data Insights: Covid-2019 Monitor

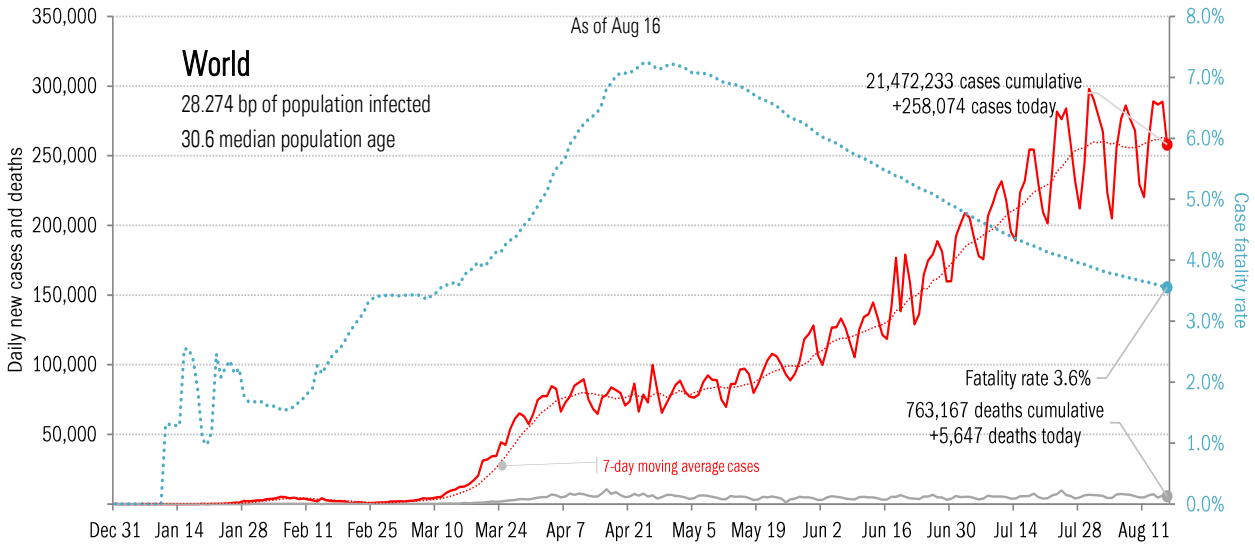
Sunday, August 16, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+63,490	US	+1,035
US	+48,085	India	+944
Brazil	+41,576	Brazil	+709
Colombia	+11,578	Mexico	+635
Peru	+9,507	Colombia	+318
Argentina	+6,365	Peru	+219
Mexico	+6,345	Iran	+161
Russia	+5,061	Italy	+158
South_Africa	+4,513	Philippines	+158
Iraq	+4,293	Argentina	+137
	+200,813		+4,474
World	+258,074	World	+5,647
Top ten	78%	Top ten	79%





Source: ECDC, TrendMacro calculations

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The US scorecard

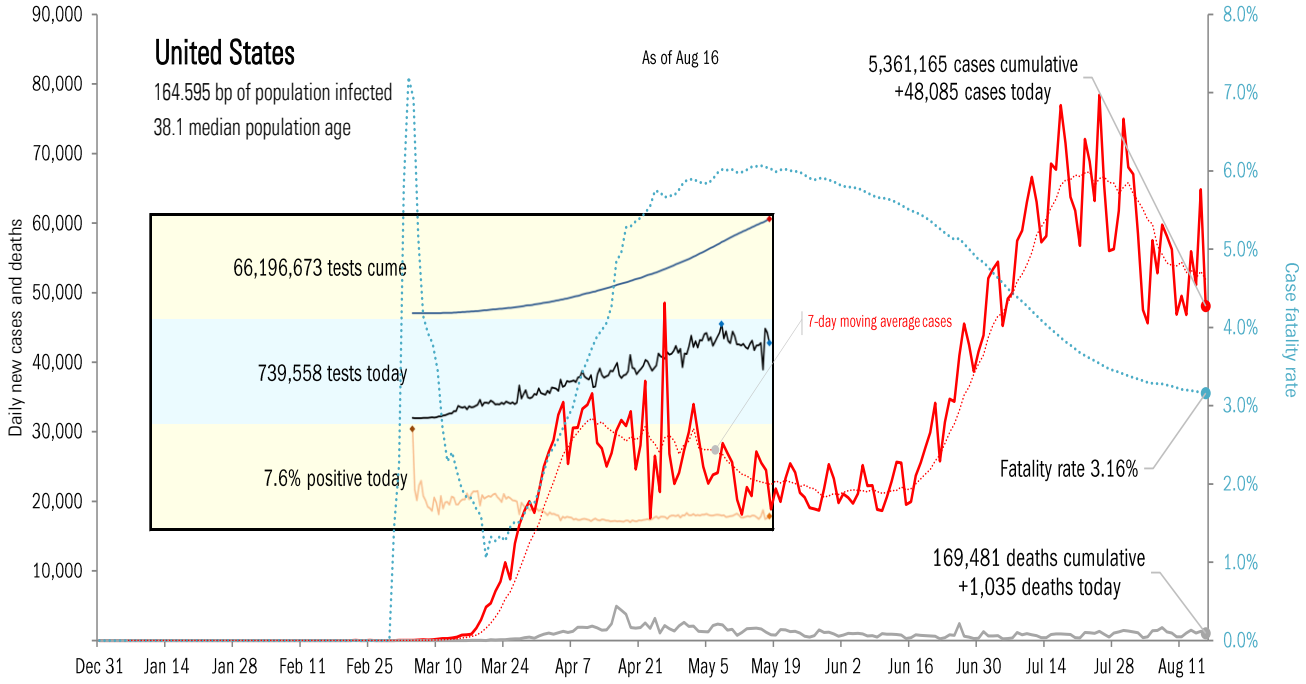
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+12,614	TX	+238	FL	+506	CA	613,689	NY	25,244	NY	89,995
TX	+8,245	FL	+204	AZ	+280	FL	569,637	NJ	15,910	FL	34,074
FL	+6,352	CA	+151	GA	+210	TX	528,838	CA	11,147	NJ	22,197
GA	+3,273	GA	+96	VA	+189	NY	424,901	TX	9,840	GA	22,028
IL	+1,828	AZ	+69	AL	+151	GA	235,168	FL	9,480	AZ	20,795
NC	+1,536	SC	+56	TN	+88	IL	205,851	MA	8,818	VA	14,965
TN	+1,289	OH	+40	OH	+82	AZ	192,654	IL	7,937	MD	13,556
AL	+1,271	MS	+37	IN	+71	NJ	187,442	PA	7,465	AL	12,607
MO	+1,127	NC	+30	MD	+48	NC	143,706	MI	6,586	OH	12,210
OH	+1,117	NV	+24	OK	+45	LA	136,737	GA	4,669	MA	12,170
	+38,652		+945		+1,670		3,238,623		107,096		254,597
All states	+56,499	All states	+1,218	All states	+2,006	All states	5,336,362	All states	161,373	All states	347,020
Top ten	68%	Top ten	78%	Top ten	83%	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	
KS	-1,338	TX	-75	SC	-370	TX	+9,549
LA	-1,298	CA	-37	FL	-115	MI	+4,142
AR	-1,026	LA	-28	IN	-52	OH	+1,114
TN	-658	FL	-25	KS	-45	WI	+991
IL	-468	IL	-22	GA	-27	MN	+798



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

Recommended reading

Louie Gohmert is COVID-19-free, and he credits hydroxychloroquine
Susan Ferrechio,
Washington Examiner
August 15, 2020

Response to: "Early Outpatient Treatment of Symptomatic, High-Risk Covid-19 Patients" and "Re: Early Outpatient Treatment of Symptomatic, High-Risk Covid-19 Patients that Should be Ramped-Up Immediately as Key to the Pandemic Crisis"
Harvey A Risch
American Journal of Epidemiology
July 20, 2020

A teachers' strike closed down a school district in Arizona that was set to begin classes on Monday.
New York Times
August 15, 2020

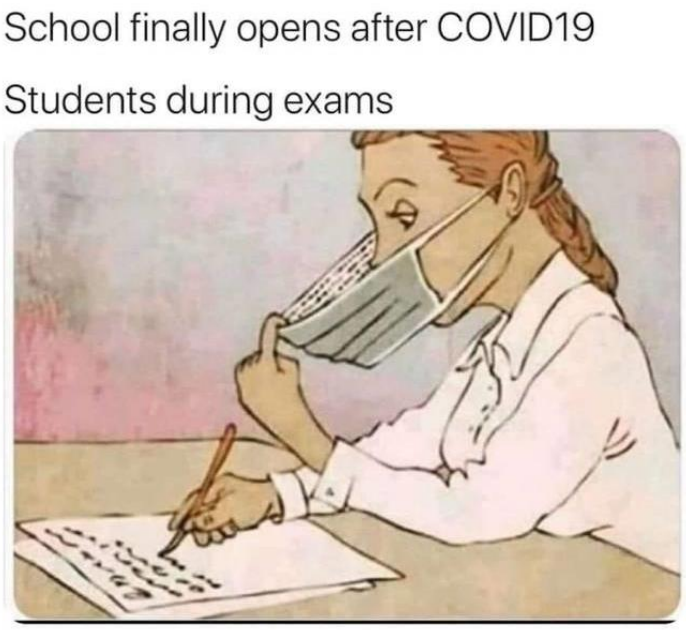
As Colleges Move Classes Online, Families Rebel Against the Cost
Shawn Hubler
New York Times
August 15, 2020

Germany intensive care unit occupation at lowest level since pandemic even as cases increase
Jorg Luyken
The Telegraph
August 15, 2020

Robust T cell immunity in convalescent individuals with asymptomatic or mild COVID-19
Takuya Sekine et al.
Cell
August 14, 2020

Horowitz: Cases surging in Hawaii – with the strictest mask mandate
Daniel Horowitz
Conservative Review
August 12, 2020

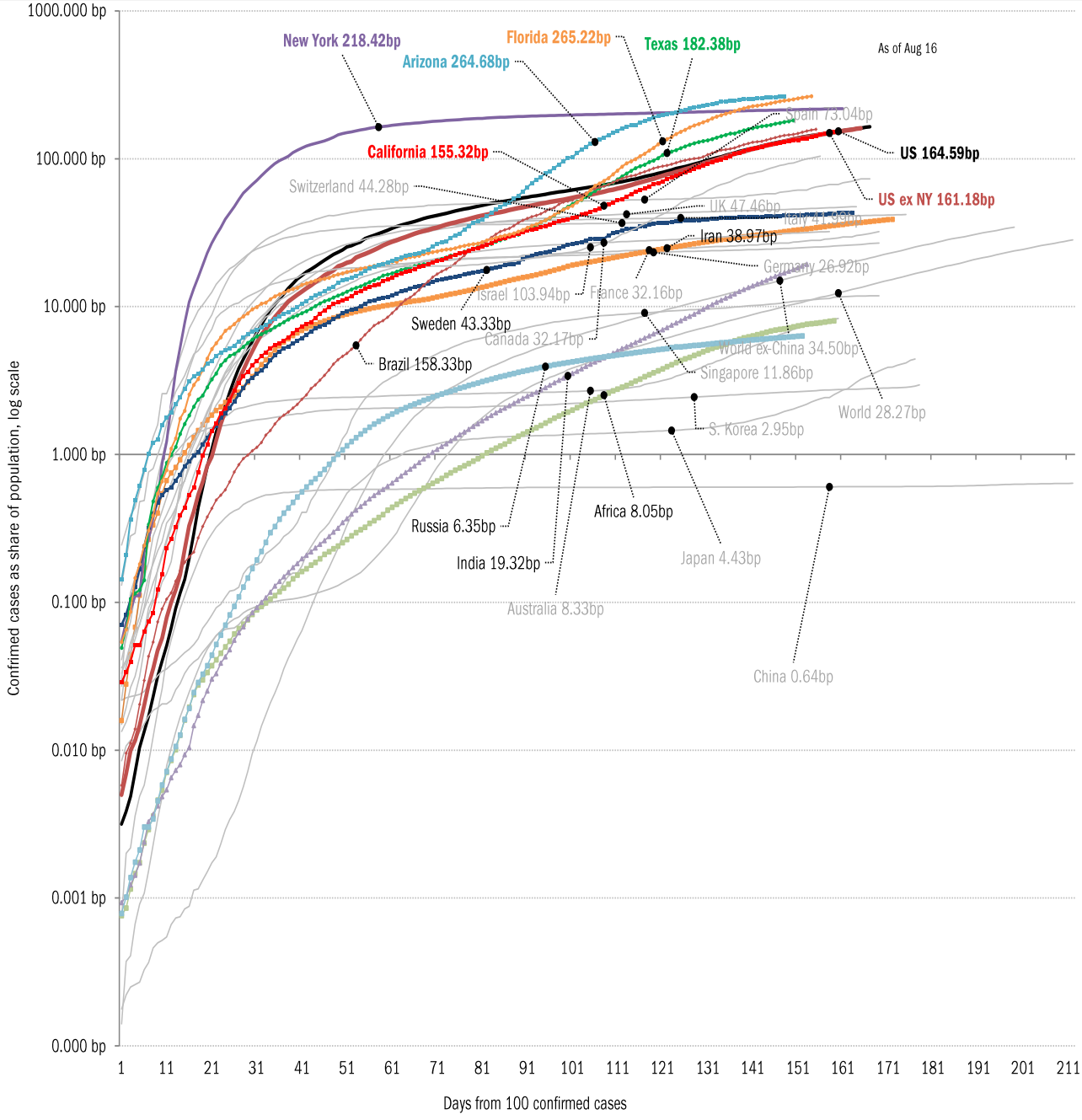
Meme of day



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

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

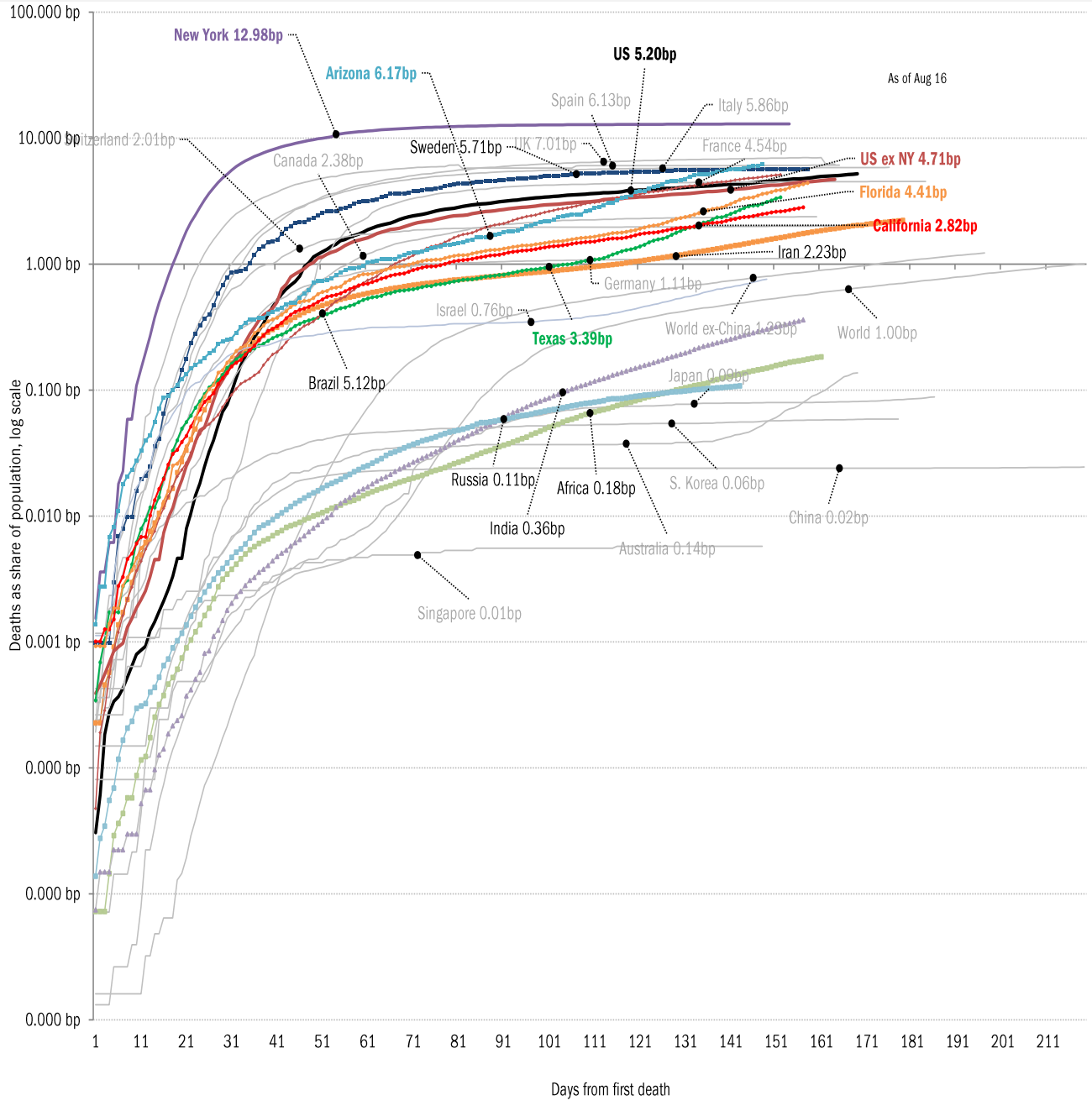
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

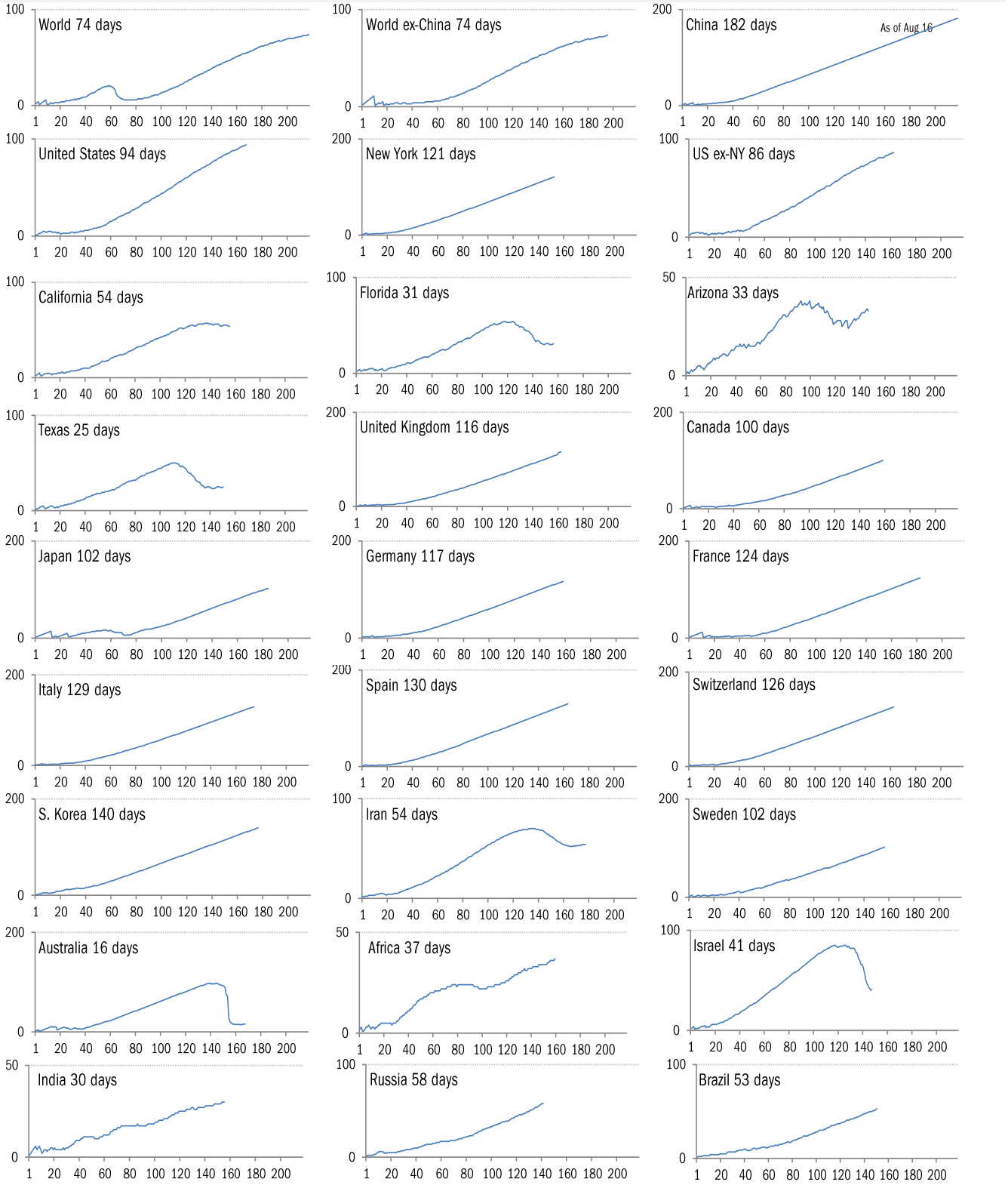
Share of deceased population from day of first fatality



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

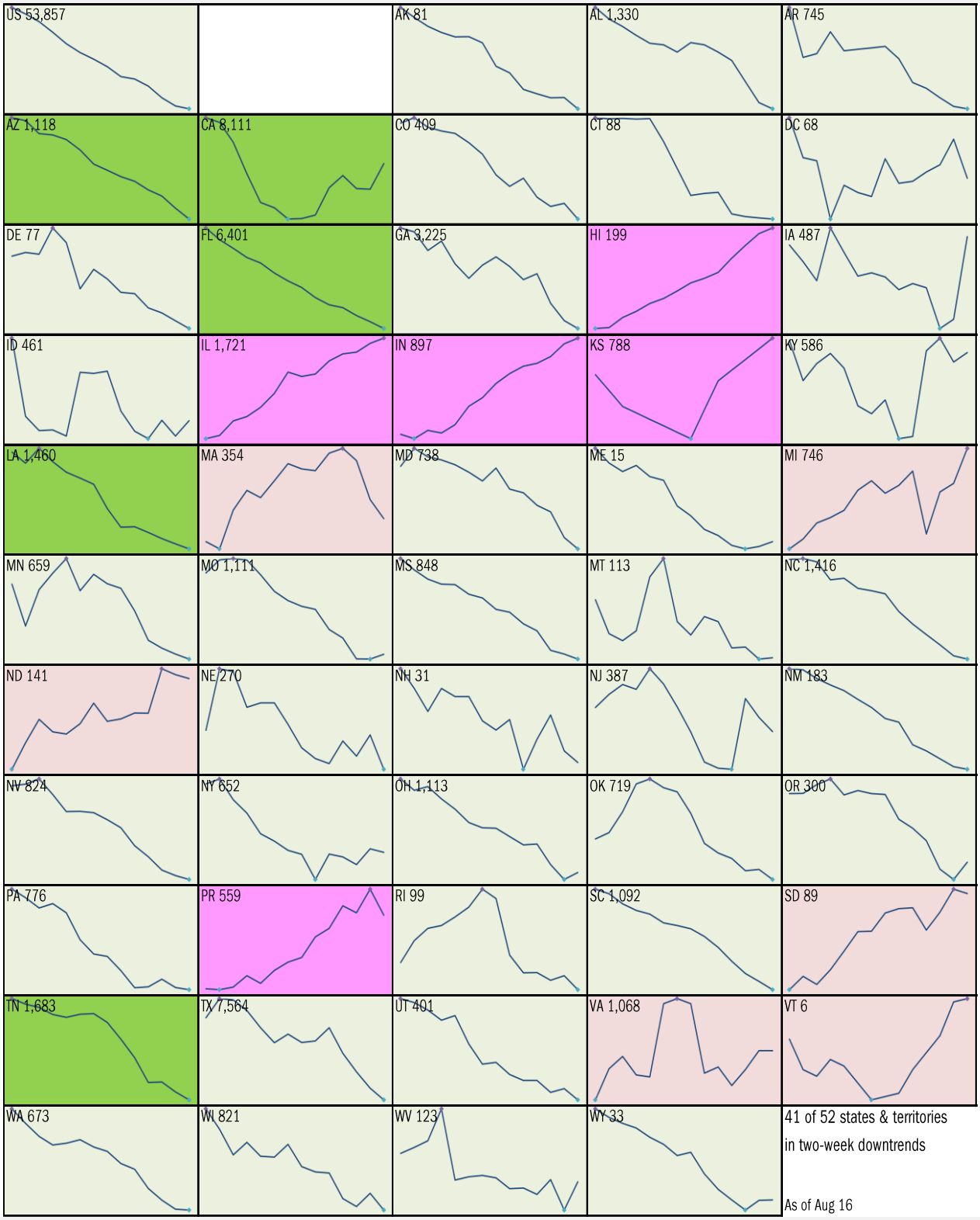


Source: ECDC, TrendMacro calculations

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

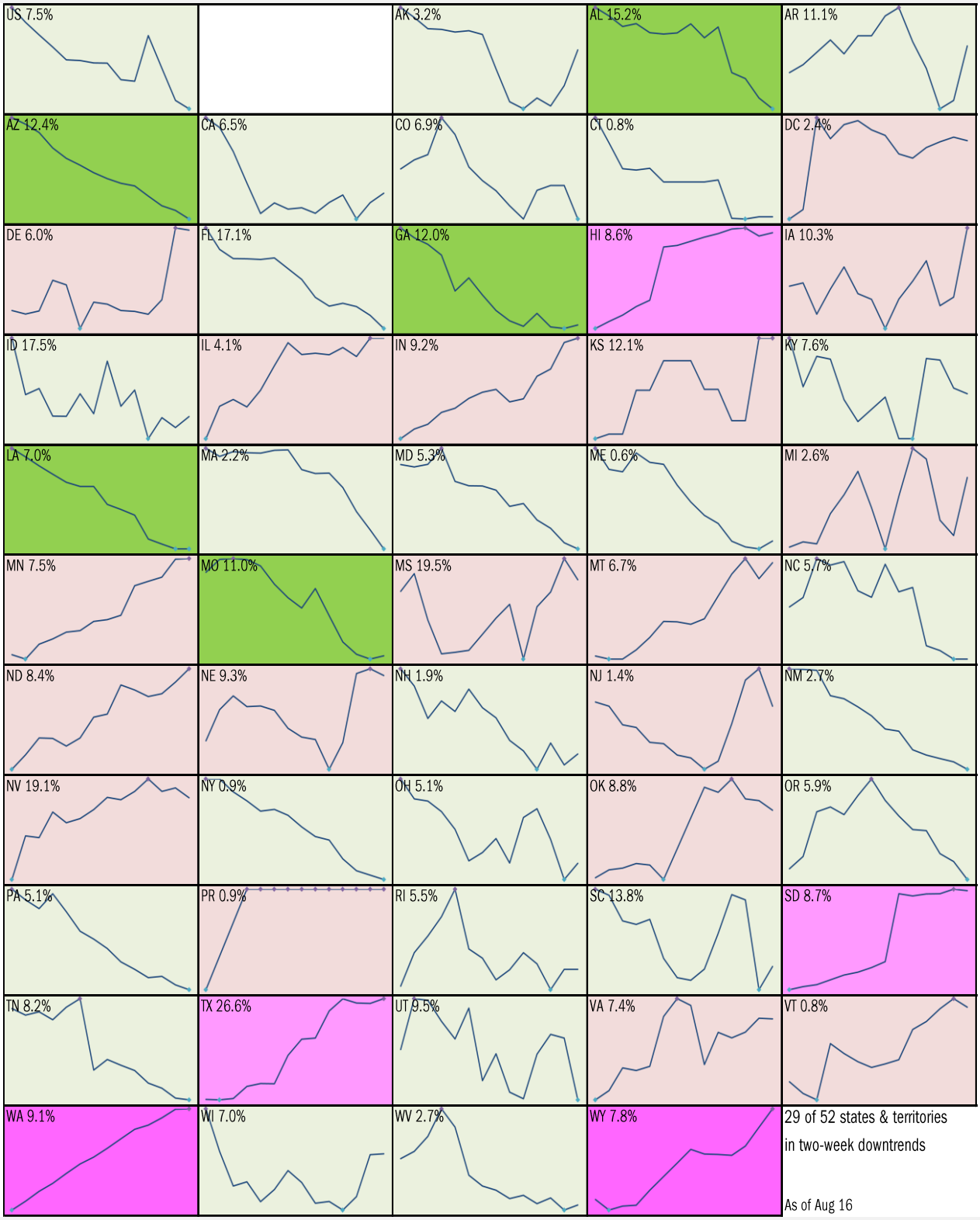


Source: Covid Tracking Project, TrendMacro calculations

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

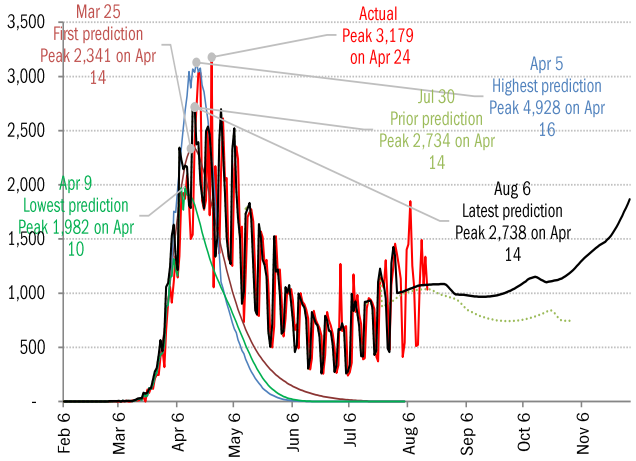


Source: Covid Tracking Project, TrendMacro calculations

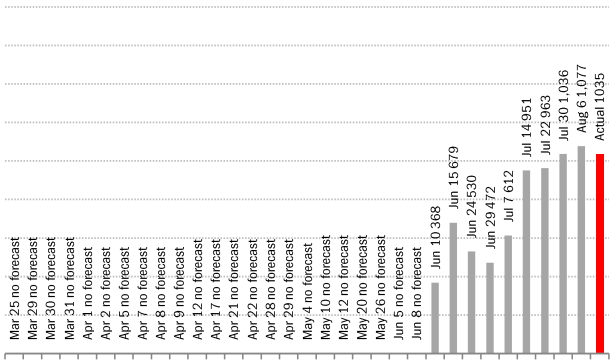
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Aug 16

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

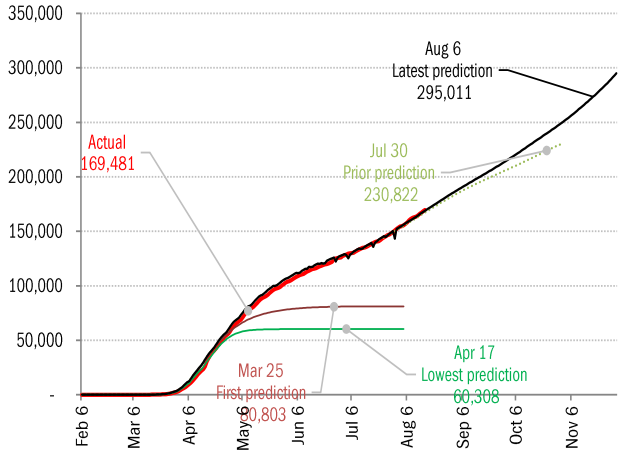


For this day, versus all model mean predictions

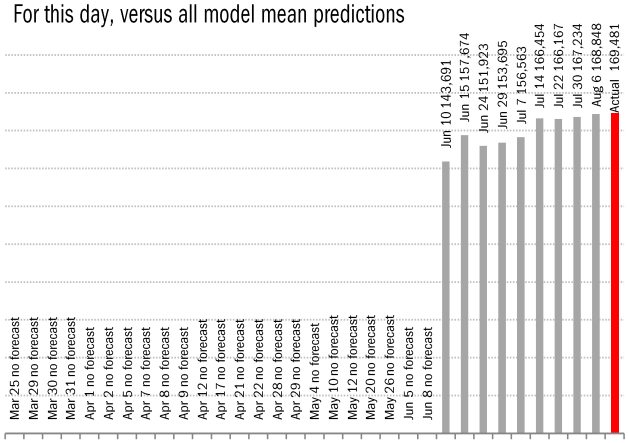


Cumulative fatalities

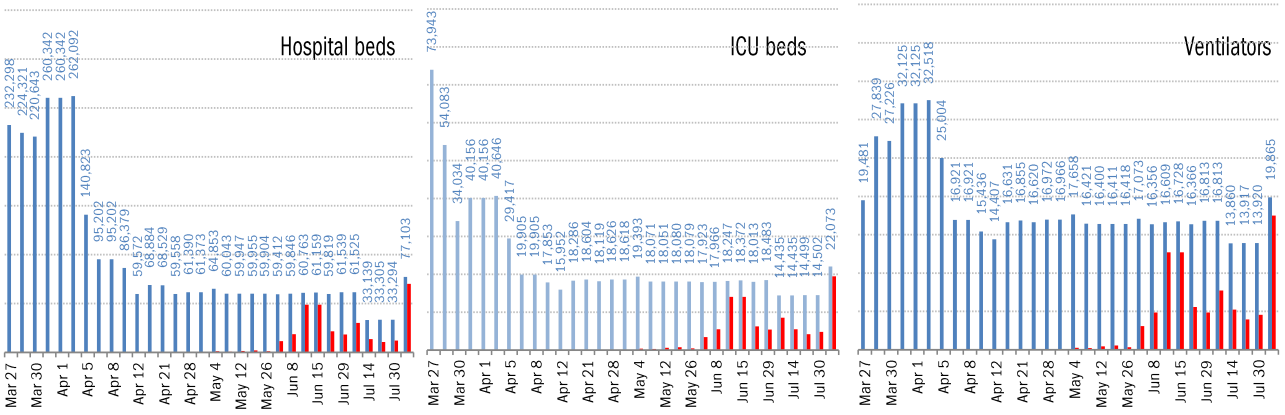
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

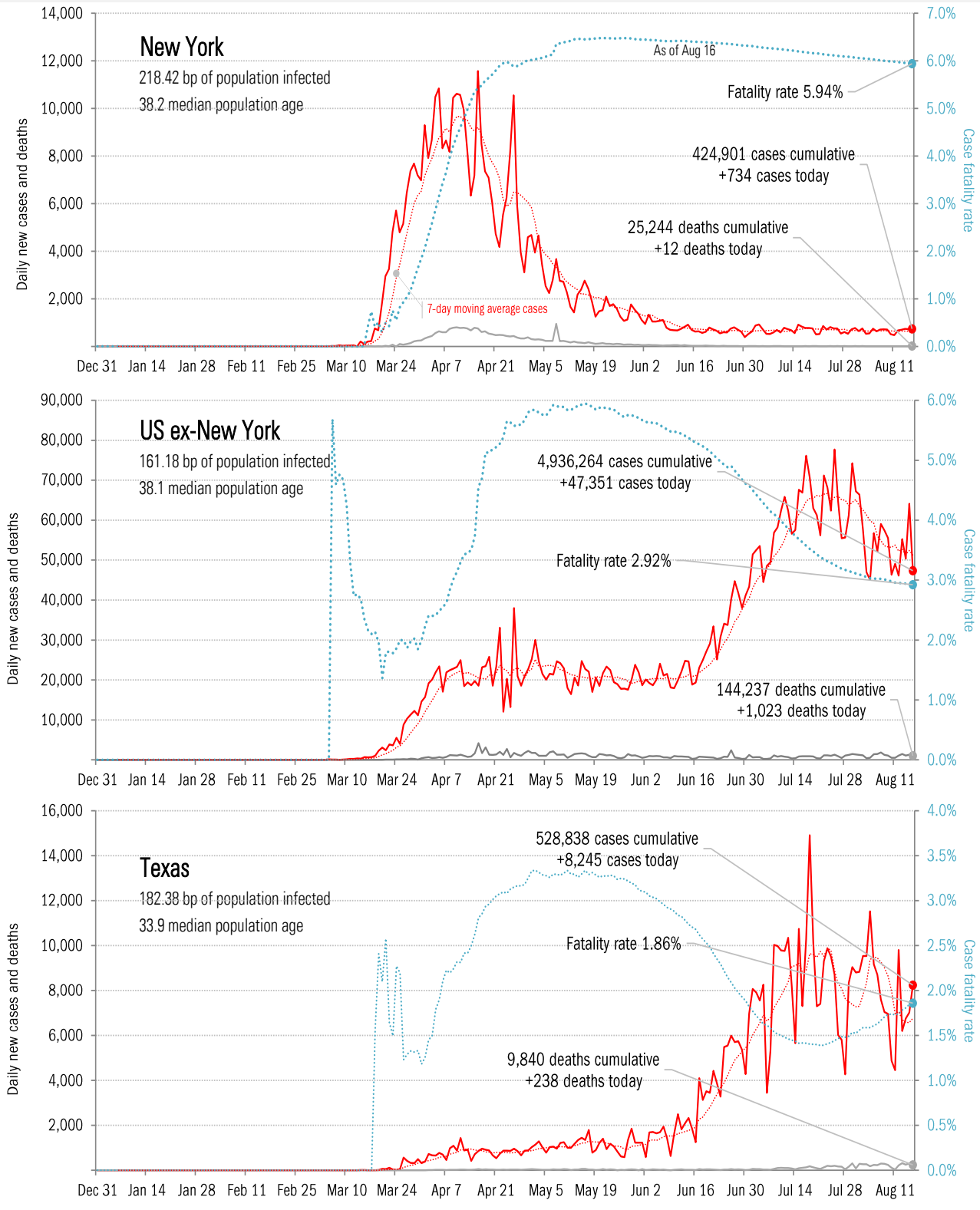


Healthcare system stress, peak and ultimate estimated at each model revision



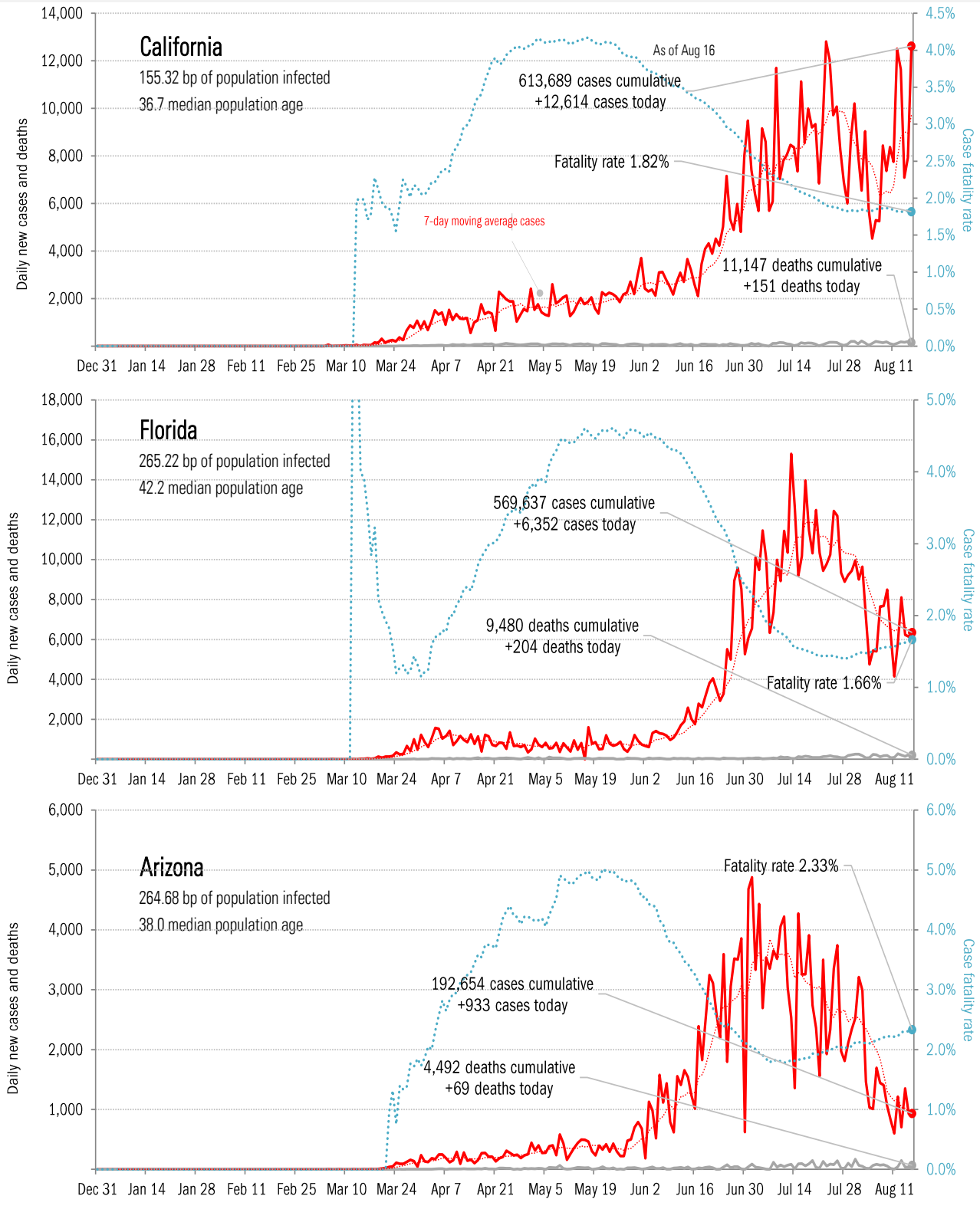
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



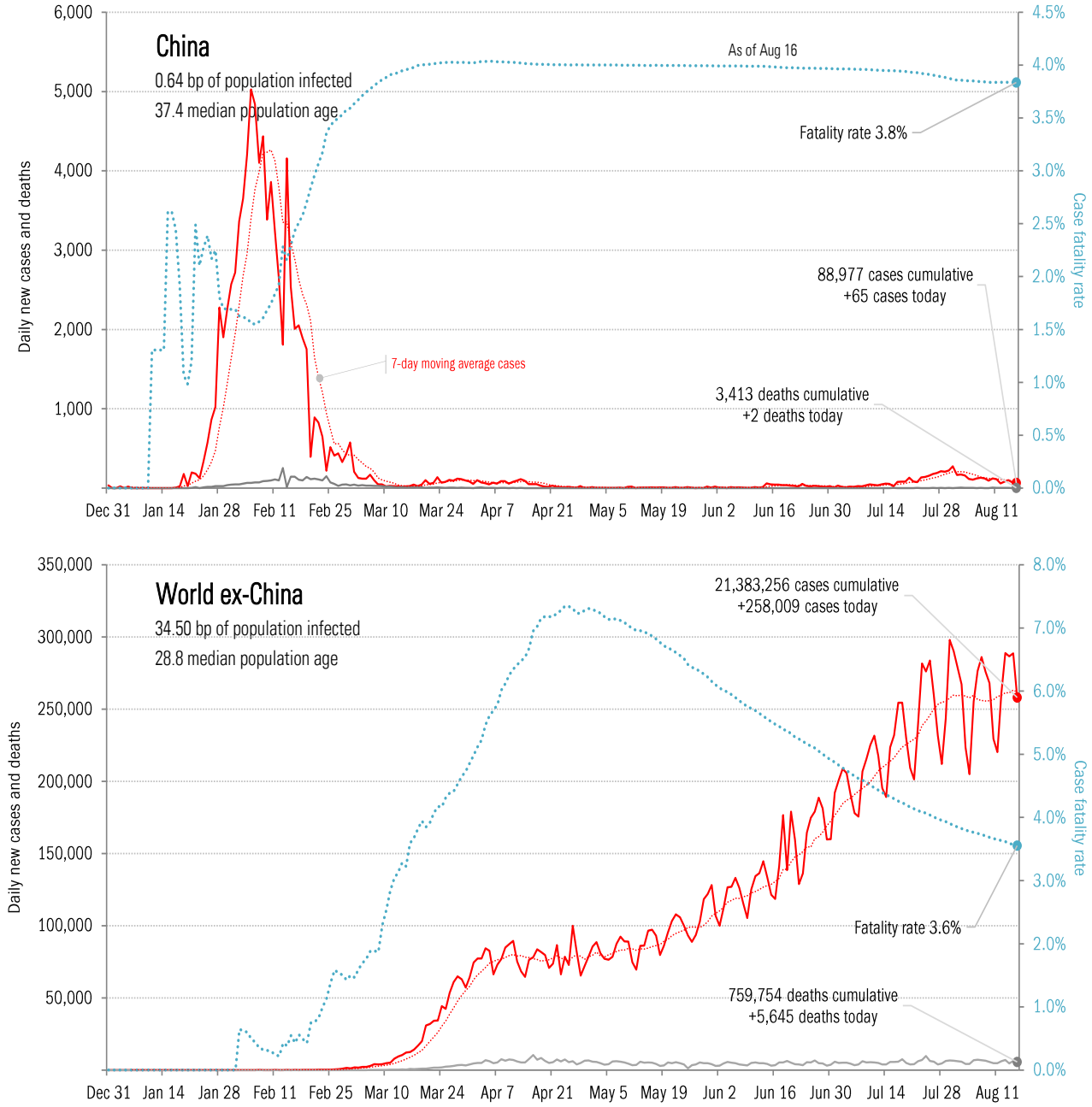
Source: ECDC, TrendMacro calculations

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



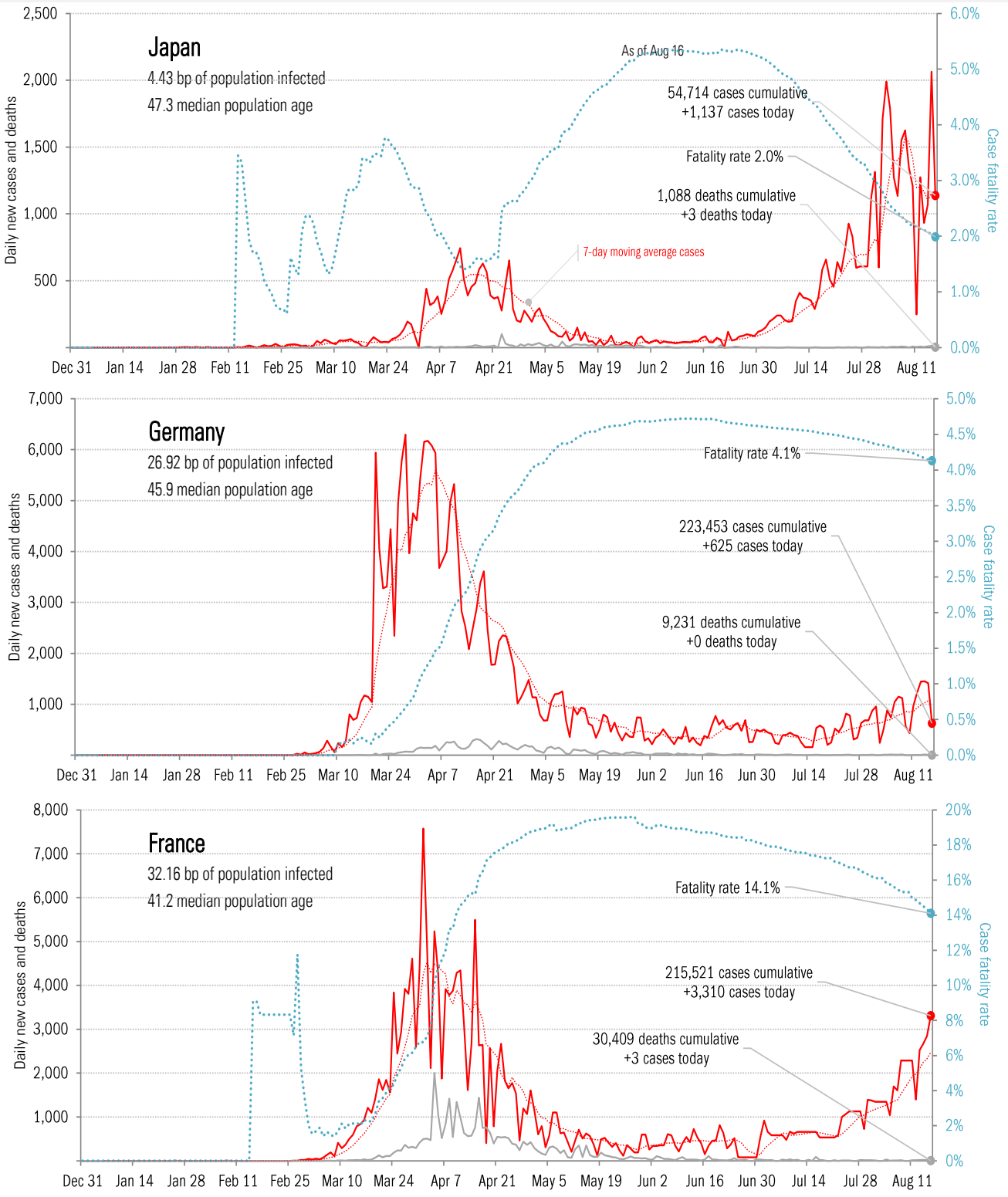
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



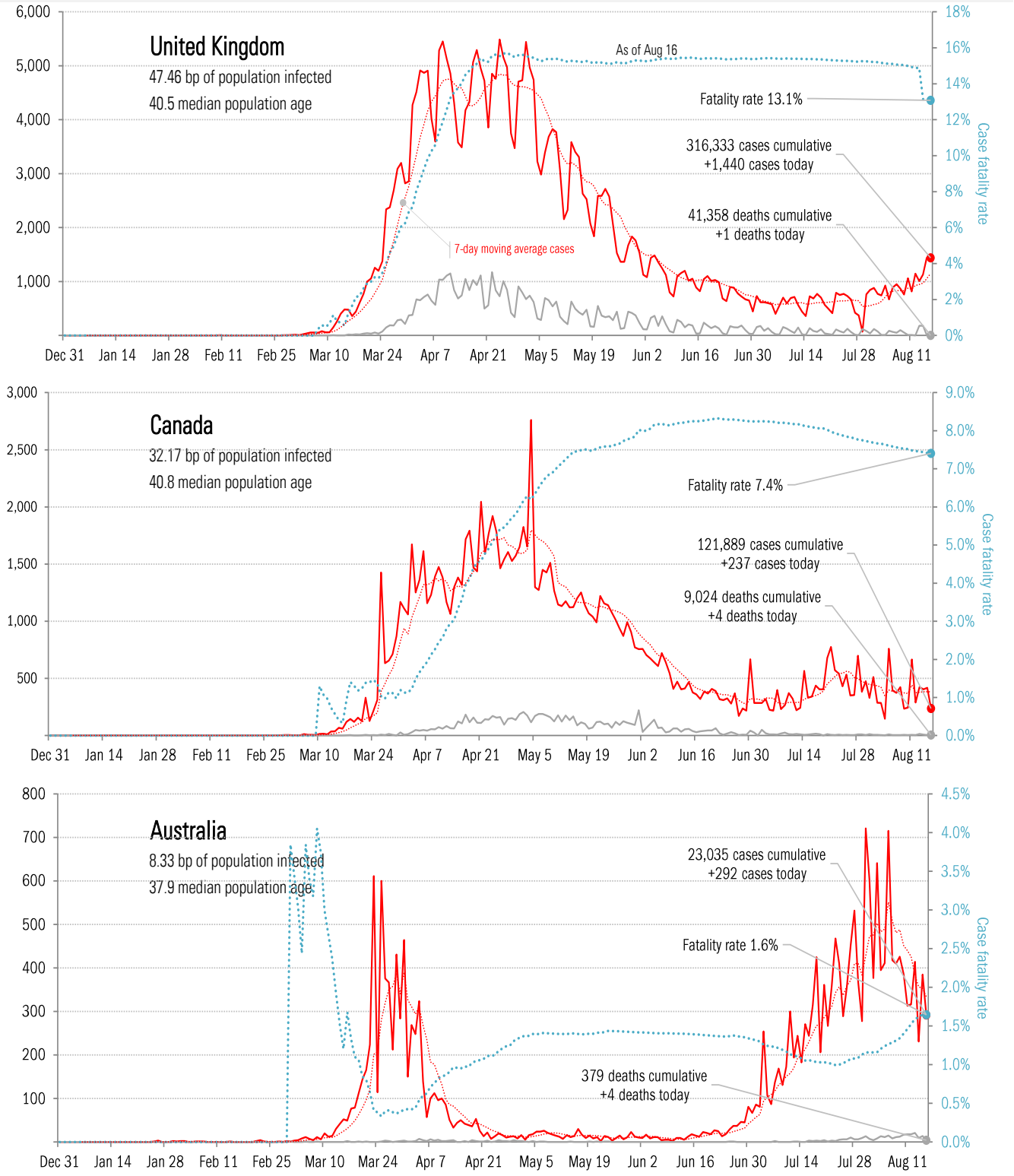
Source: ECDC, TrendMacro calculations

Impact in the largest economies



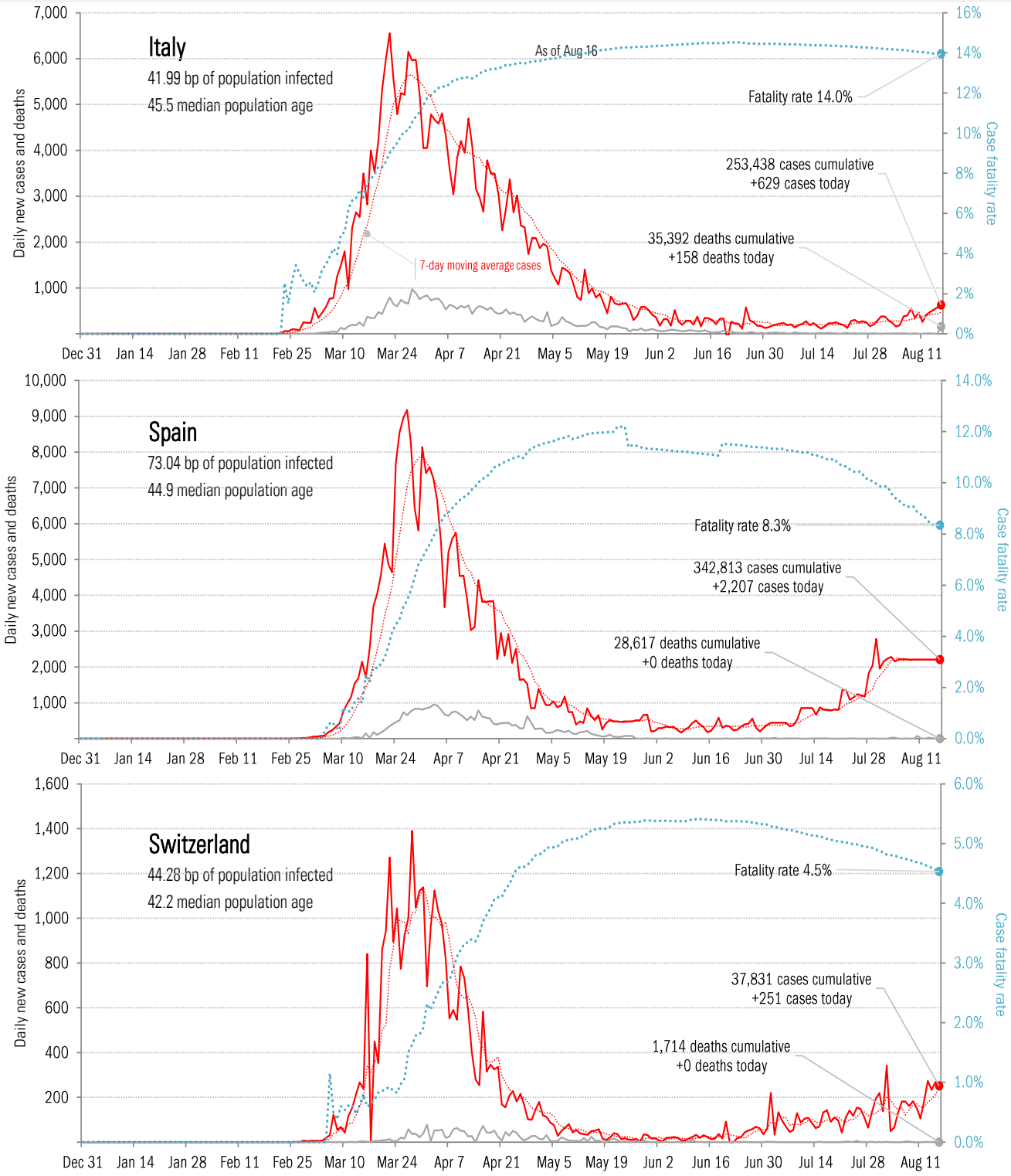
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



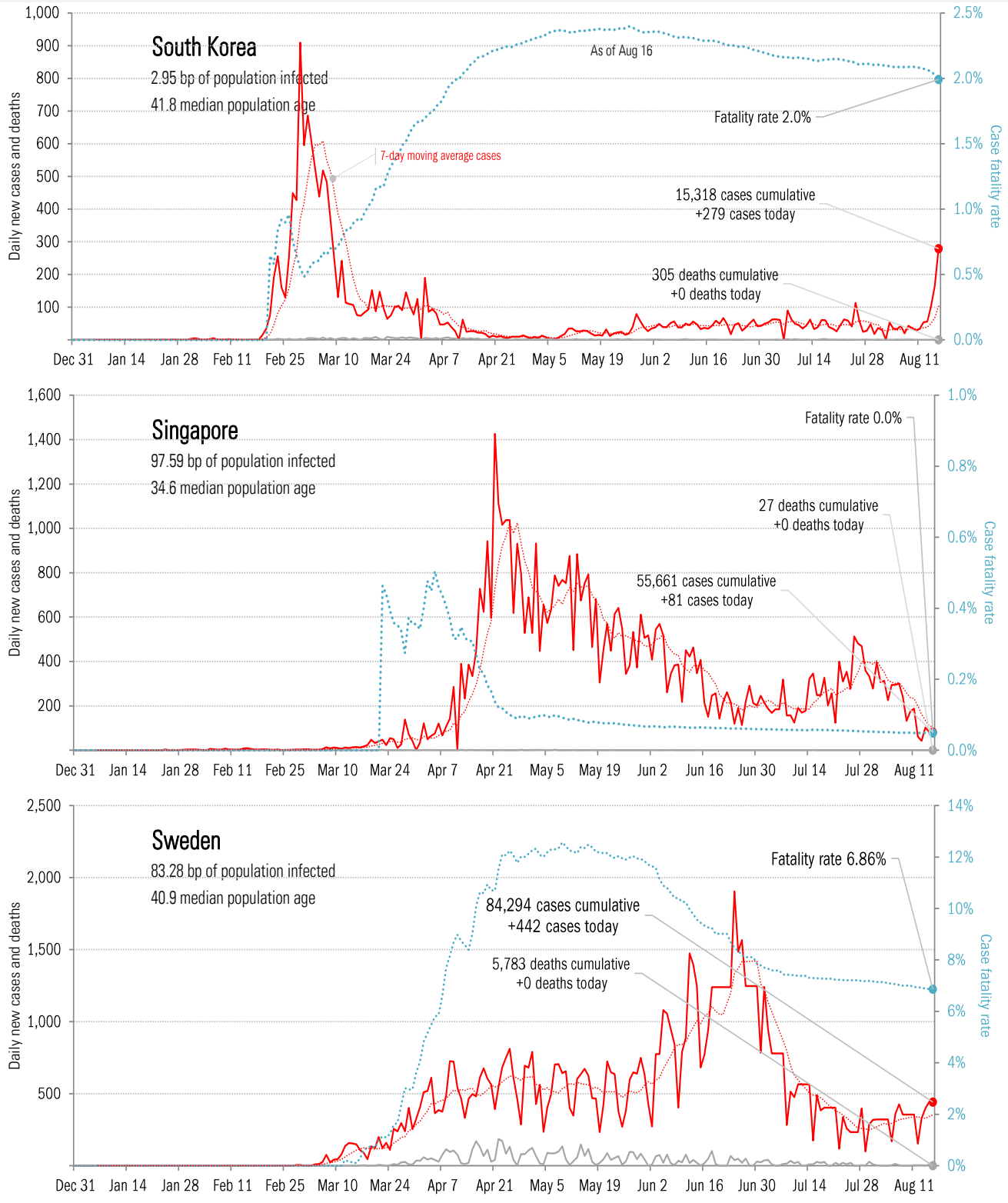
Source: ECDC, TrendMacro calculations

Impact in continental Europe



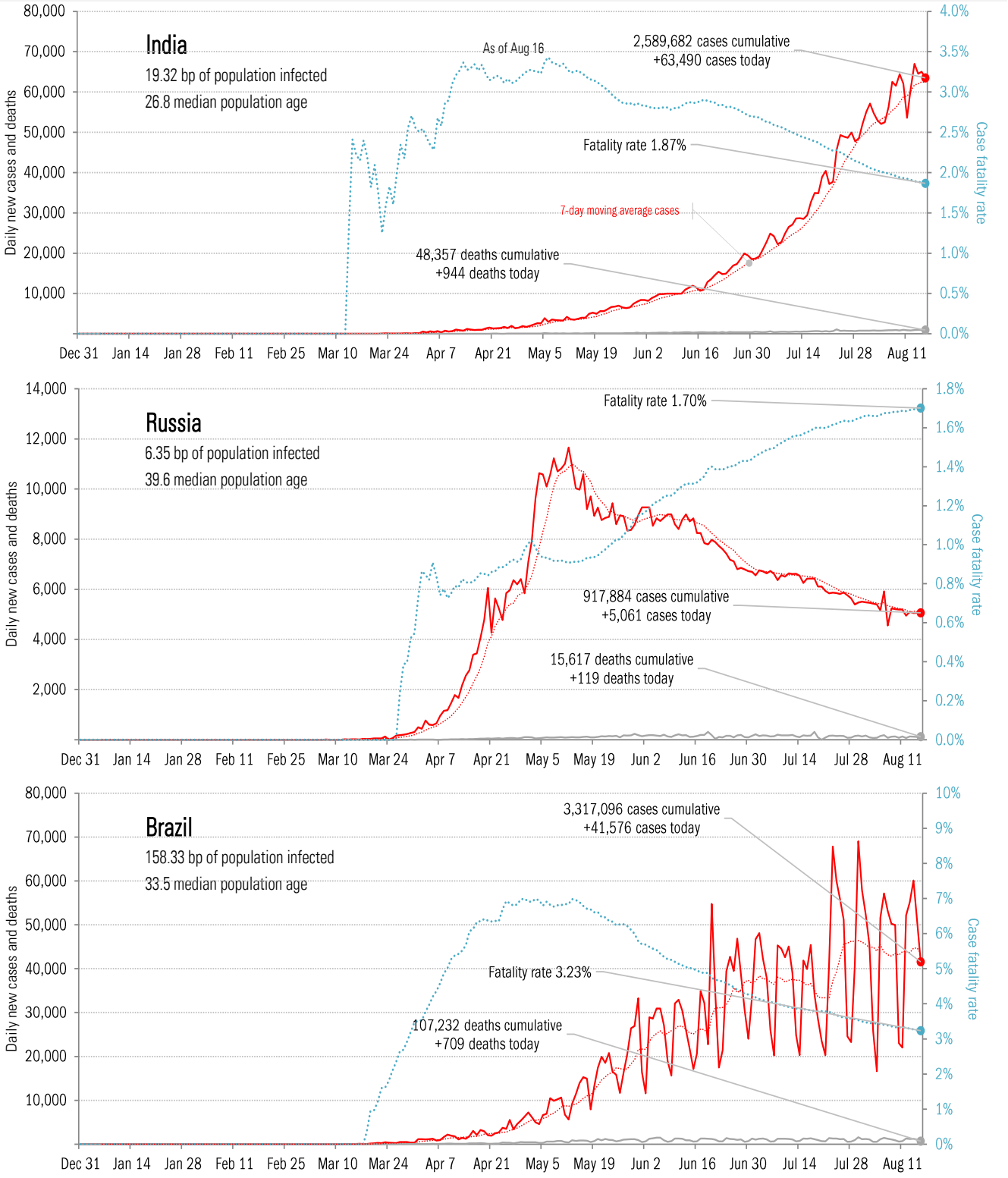
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



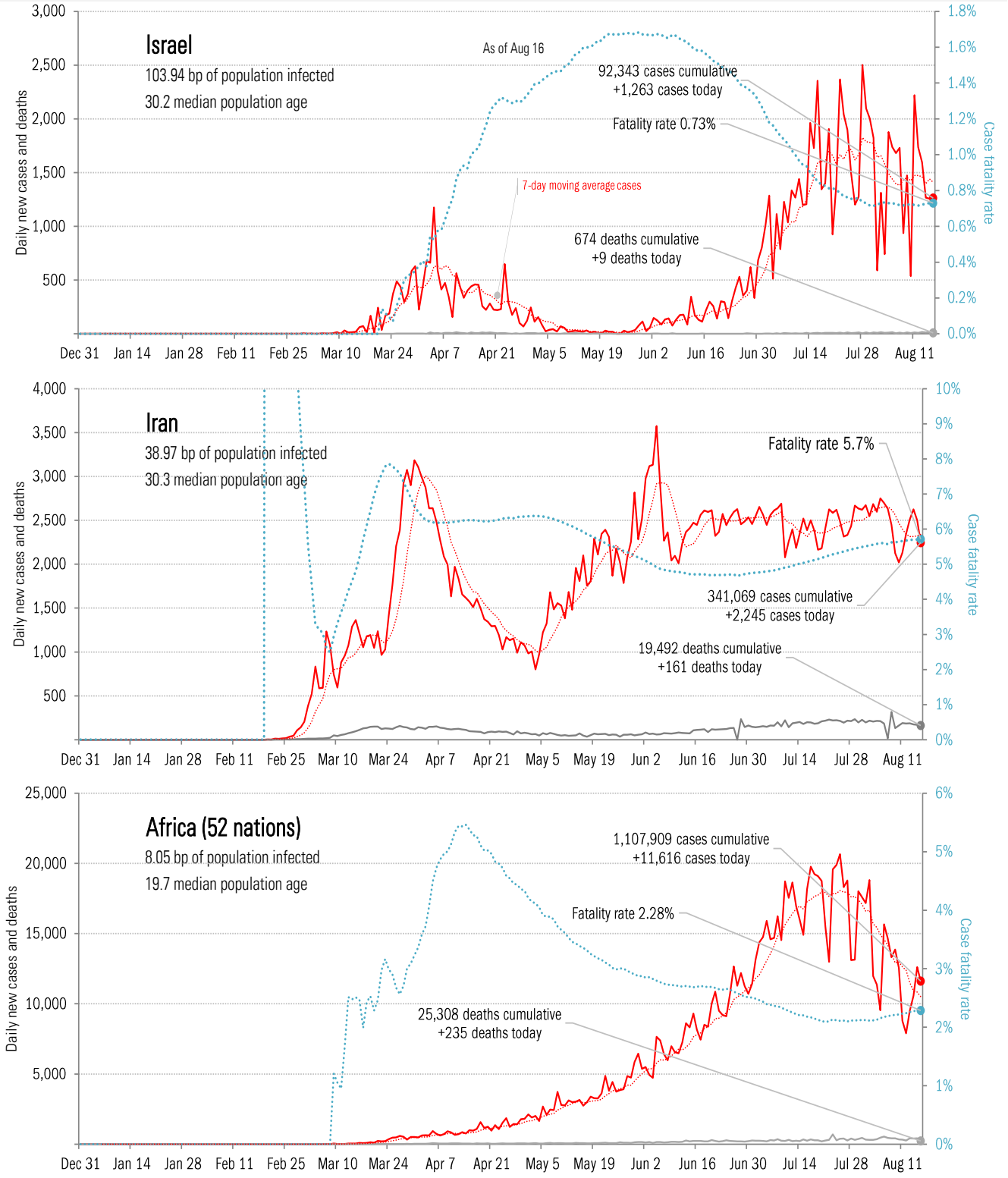
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations