Trend Macrolytics, LLC
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Thomas Demas, Managing Director
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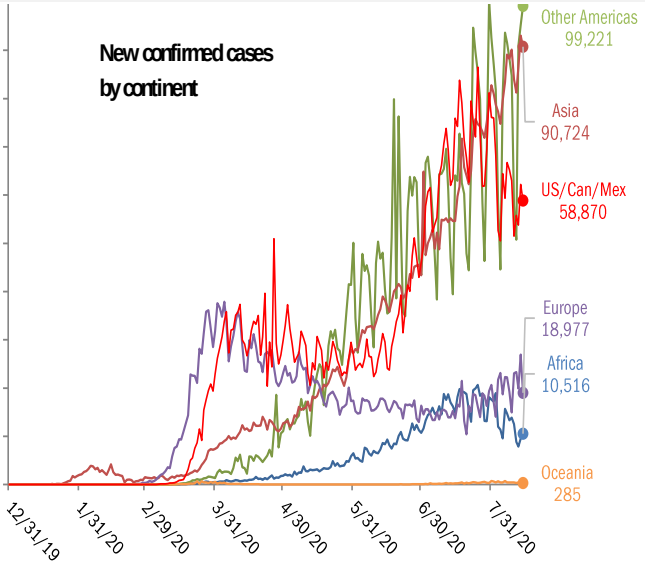
Data Insights: Covid-2019 Monitor

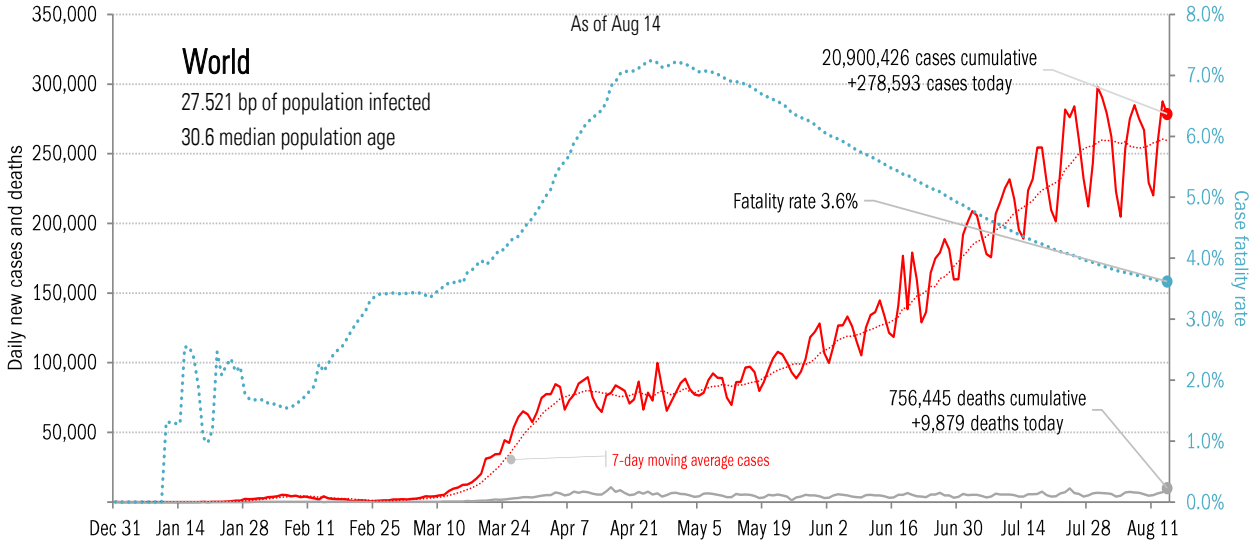
Friday, August 14, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+64,553	Peru	+3,935
Brazil	+60,091	Brazil	+1,262
US	+51,094	US	+1,083
Colombia	+11,286	India	+1,007
Peru	+9,441	Mexico	+627
Argentina	+7,663	Colombia	+308
Mexico	+7,371	South_Africa	+260
Russia	+5,057	Iran	+174
South_Africa	+3,946	Argentina	+158
Iraq	+3,841	Russia	+124
	+224,343		+8,938
World	+278,593	World	+9,879
Top ten	81%	Top ten	90%





Source: ECDC, TrendMacro calculations

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The US scorecard

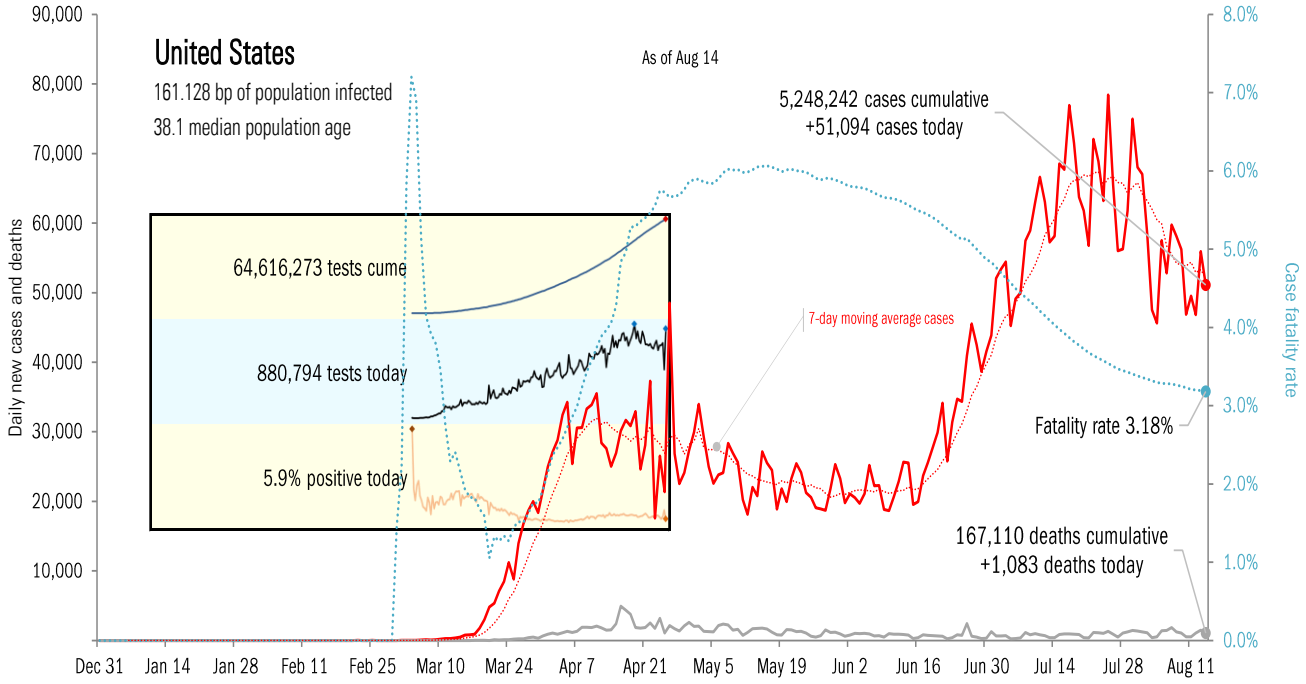
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+7,085	TX	+255	AZ	+682	CA	593,141	NY	25,228	NY	89,995
TX	+6,755	CA	+160	FL	+598	FL	557,137	NJ	15,893	FL	32,947
FL	+6,236	FL	+149	GA	+202	TX	513,575	CA	10,808	NJ	22,125
GA	+2,515	GA	+82	AL	+164	NY	423,440	TX	9,289	GA	21,581
TN	+2,118	SC	+42	OH	+122	GA	228,668	FL	9,047	AZ	20,503
IL	+1,834	LA	+41	VA	+119	IL	201,727	MA	8,790	VA	14,647
NC	+1,763	NC	+38	MD	+115	AZ	190,794	IL	7,905	MD	13,463
AZ	+1,351	AZ	+36	CT	+95	NJ	186,594	PA	7,409	AL	12,456
MO	+1,267	NV	+34	AR	+94	NC	140,824	MI	6,555	MA	12,131
OH	+1,178	IL	+24	TN	+94	LA	135,439	GA	4,538	OH	12,023
	+32,102		+861		+2,285		3,171,339		105,462		251,871
All states	+51,705	All states	+1,163	All states	+2,685	All states	5,224,214	All states	158,939	All states	342,802
Top ten	62%	Top ten	74%	Top ten	85%	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	
CA	-4,560	AZ	-112	GA	-146	TX	+8,406
FL	-1,873	TX	-69	NE	-139	TN	+1,861
GA	-1,050	FL	-64	IN	-79	AR	+1,604
KS	-817	AL	-27	KS	-64	OH	+1,332
MS	-469	GA	-23	AL	-58	WI	+889



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

Recommended reading

South Florida lab under investigation for holding on to thousands of COVID test results
Danielle Waugh
CBS12 News
August 13, 2020

The Treatment That Could Crush Covid
Kevin Kimberlin
Wall Street Journal
August 13, 2020

Texas Governor Says Positive-Rate Surge Under Investigation
Joe Carroll
Bloomberg
August 13, 2020

Michigan's key COVID-19 statistic was wrong; blame Idaho
Craig Mauger
Detroit News
August 13, 2020

Coronavirus: England death count review reduces UK toll by 5,000
BBC
August 12, 2020

Rasmussen Poll: Approval of Teacher's Unions Falls as Fight Over Reopening Schools Rages
CNS News
August 12, 2020

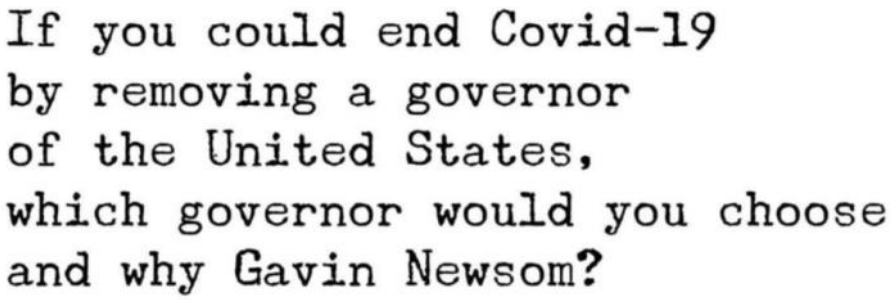
'AeroNabs' promise powerful, inhalable protection against COVID-19
Science Daily
August 11, 2020

Covid Spread Can't Only Be Explained by Who's Being 'Bad'
Faye Flam
Bloomberg
August 13, 2020

Remarks by President Trump at Kids First: Getting America's Children Safely Back to School
The White House
August 12, 2020

Hotel Room Used as COVID-19 Homeless Shelter Turned Into Meth Lab, Police Say
Jade Bremner
Newsweek
August 6, 2020

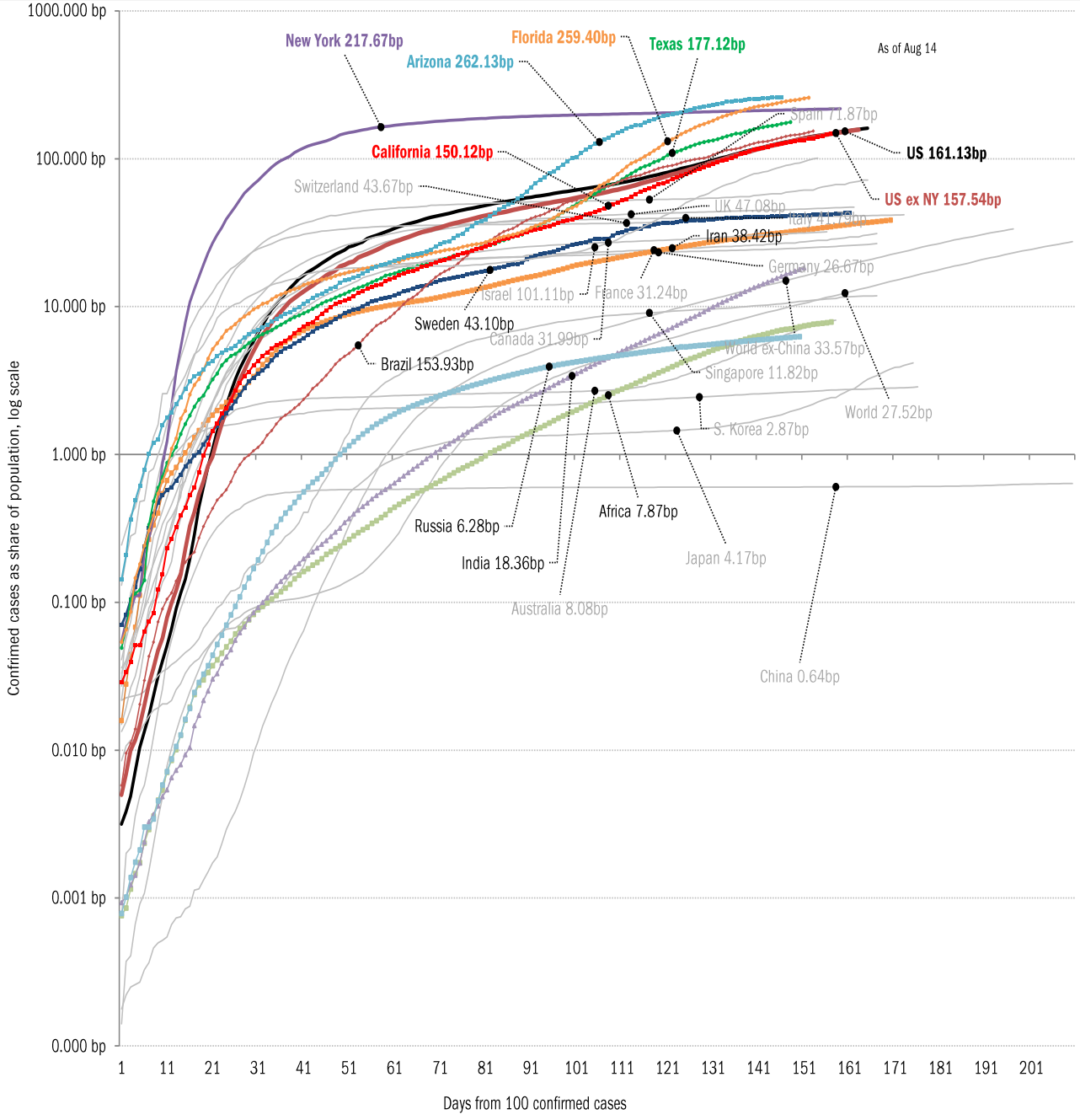
Meme of day



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

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

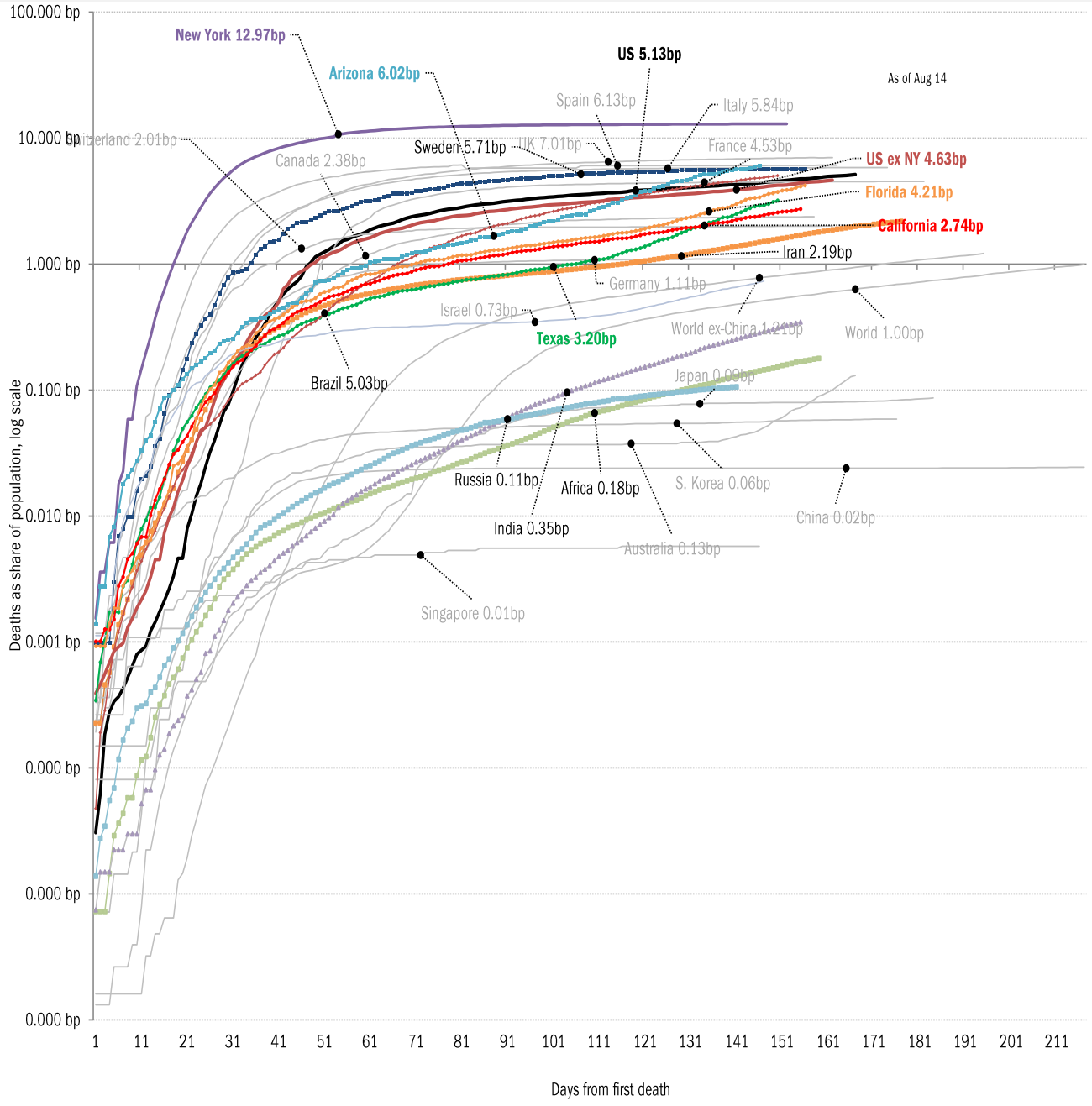
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

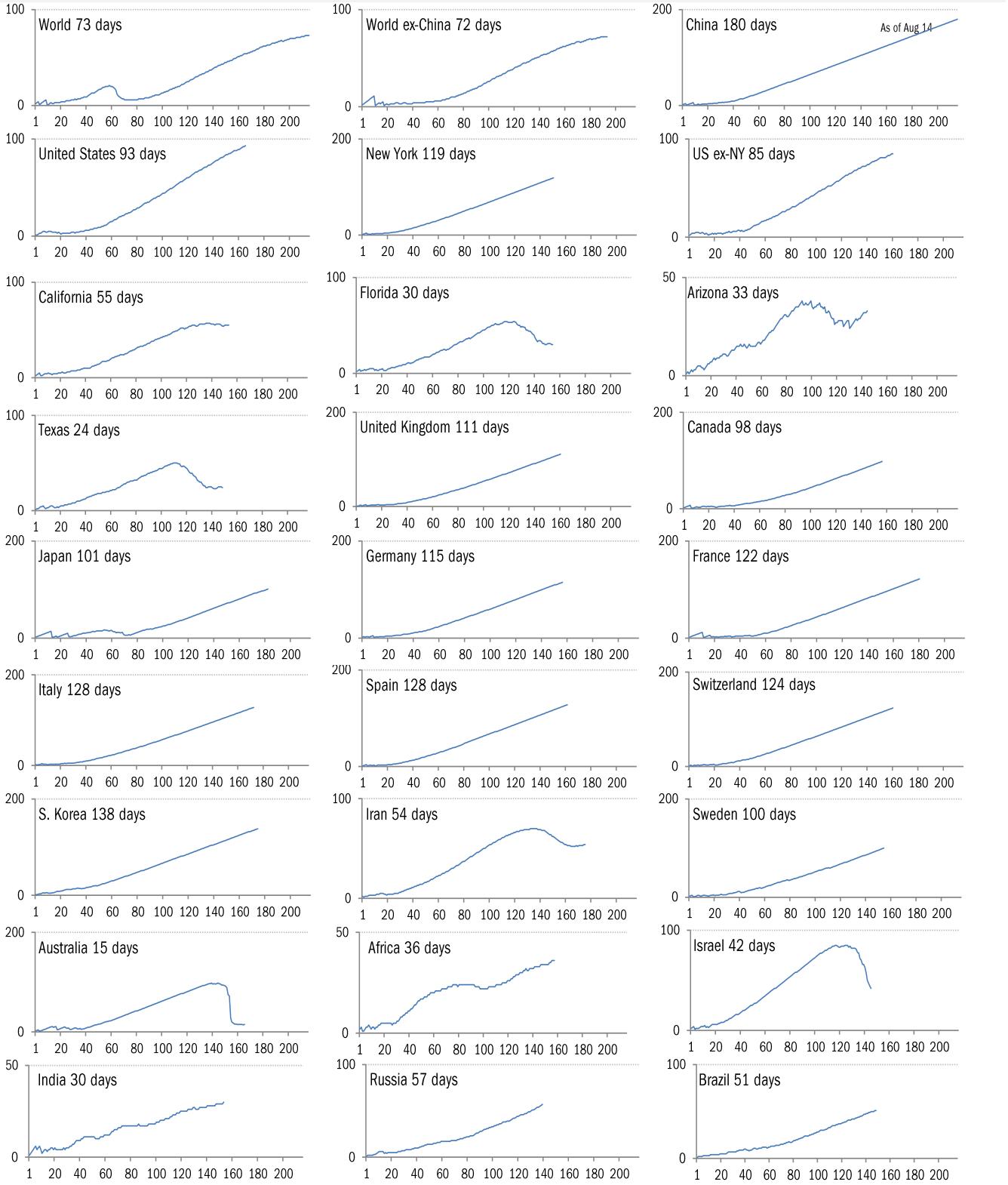
Share of deceased population from day of first fatality



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

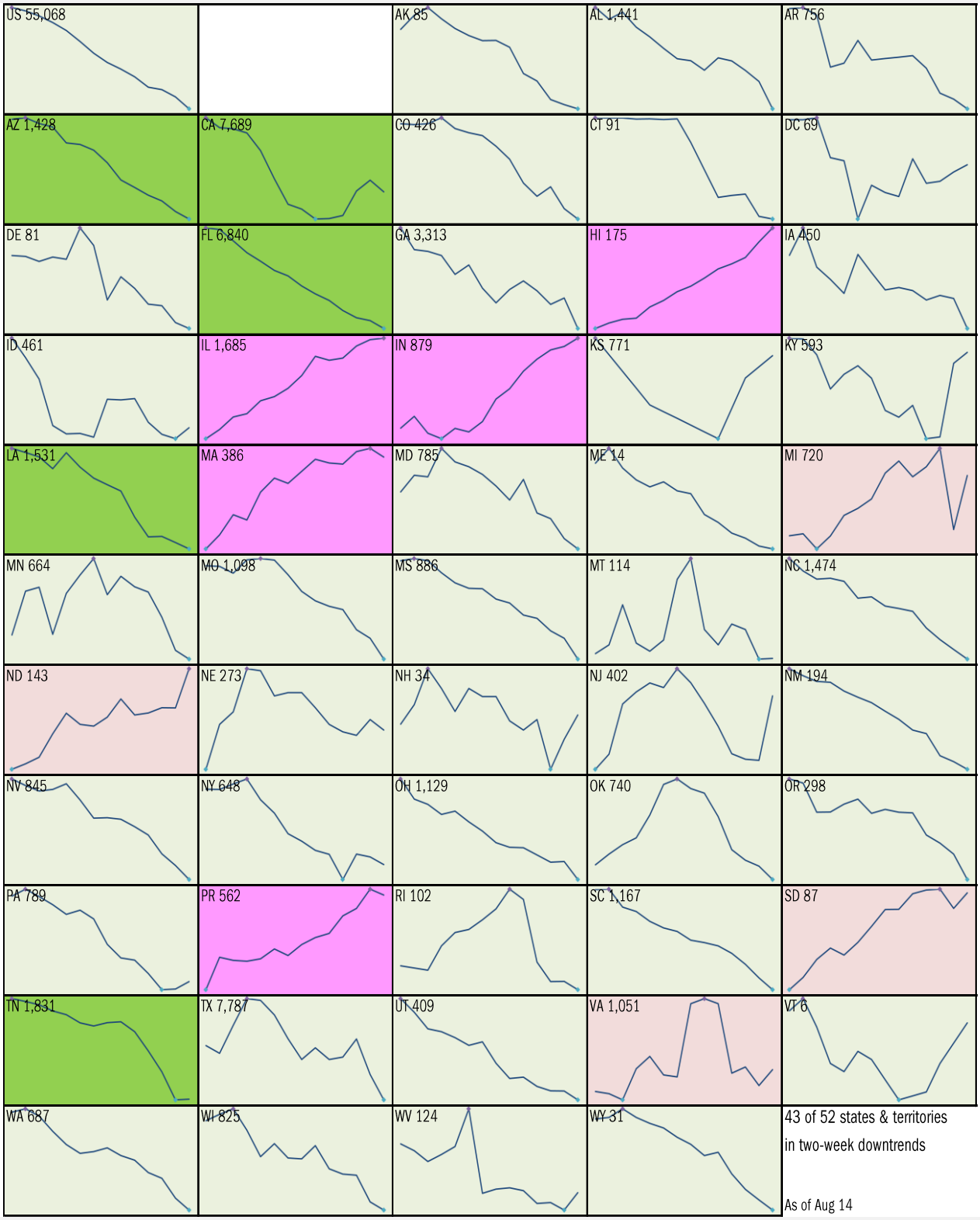


Source: ECDC, TrendMacro calculations

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

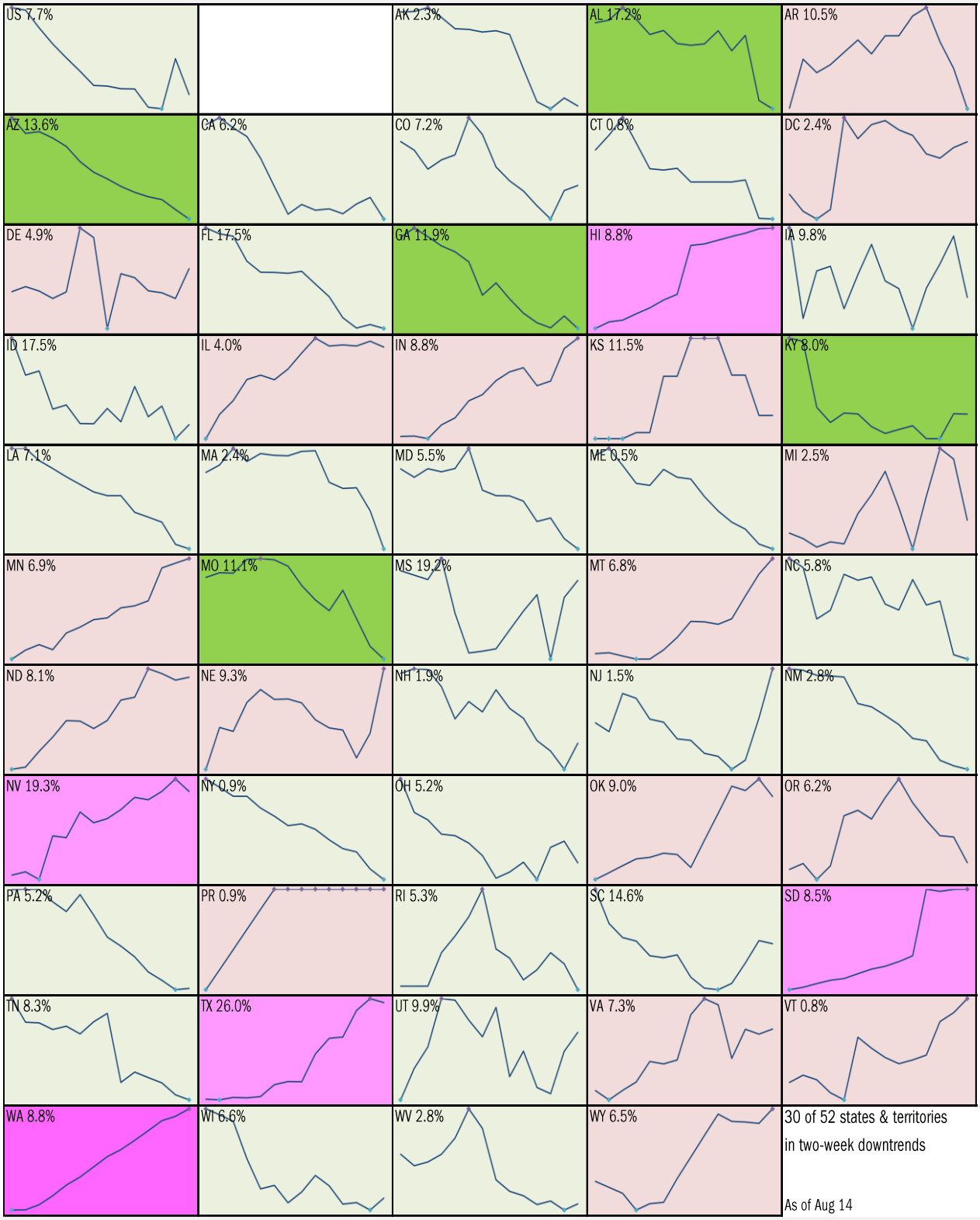


Source: Covid Tracking Project, TrendMacro calculations

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

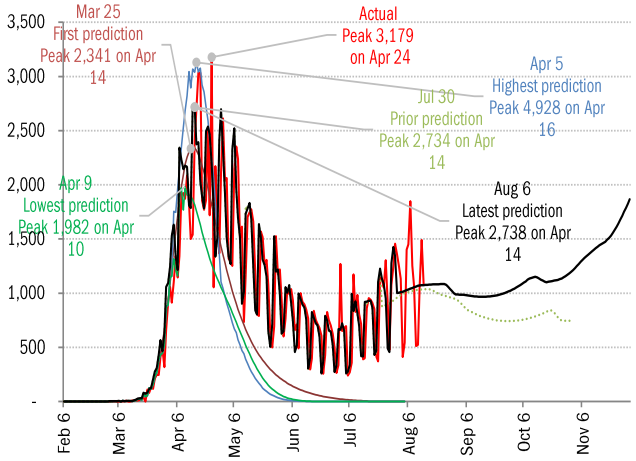


Source: Covid Tracking Project, TrendMacro calculations

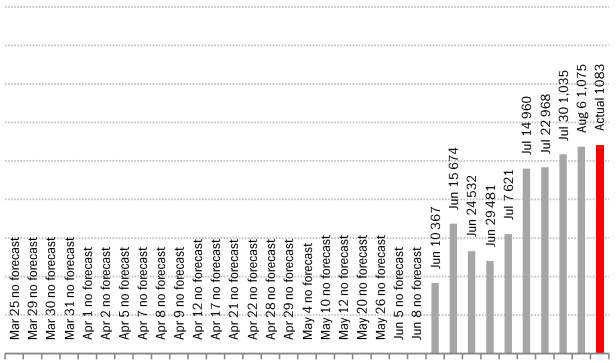
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Aug 14

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

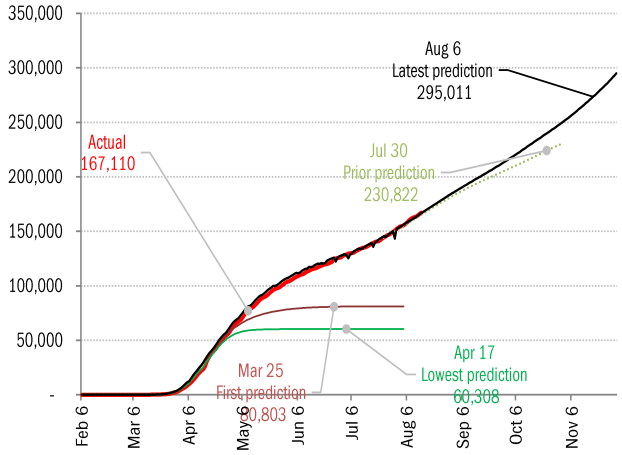


For this day, versus all model mean predictions

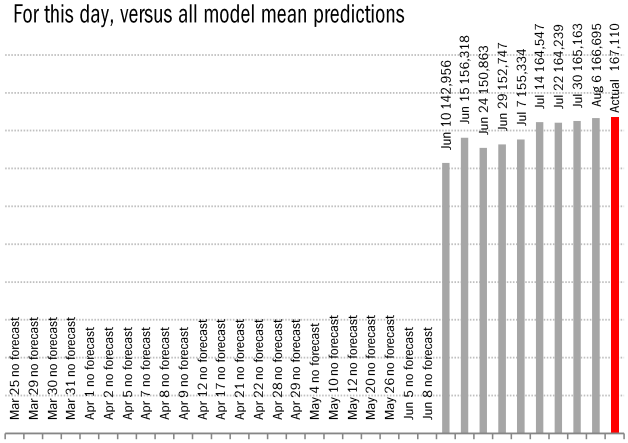


Cumulative fatalities

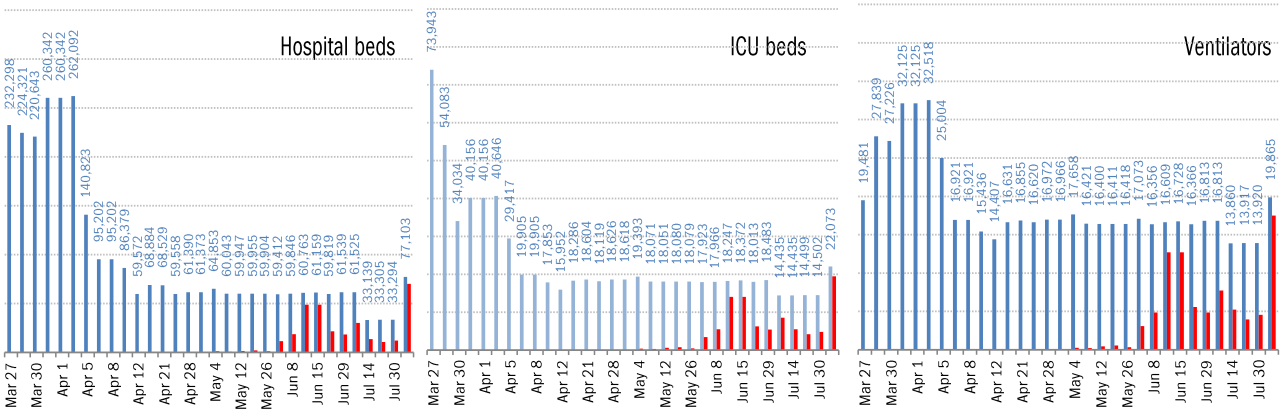
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

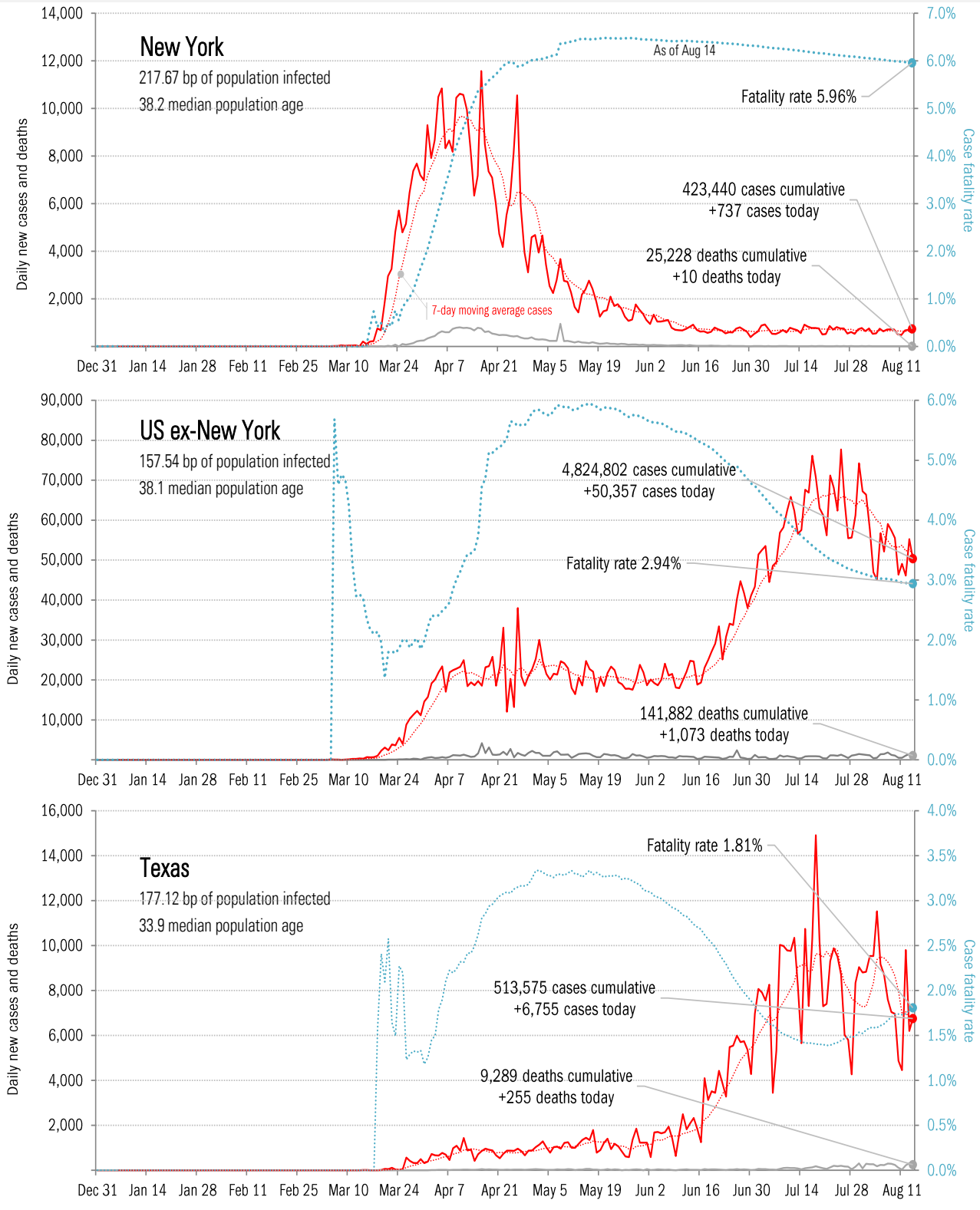


Healthcare system stress, peak and ultimate estimated at each model revision



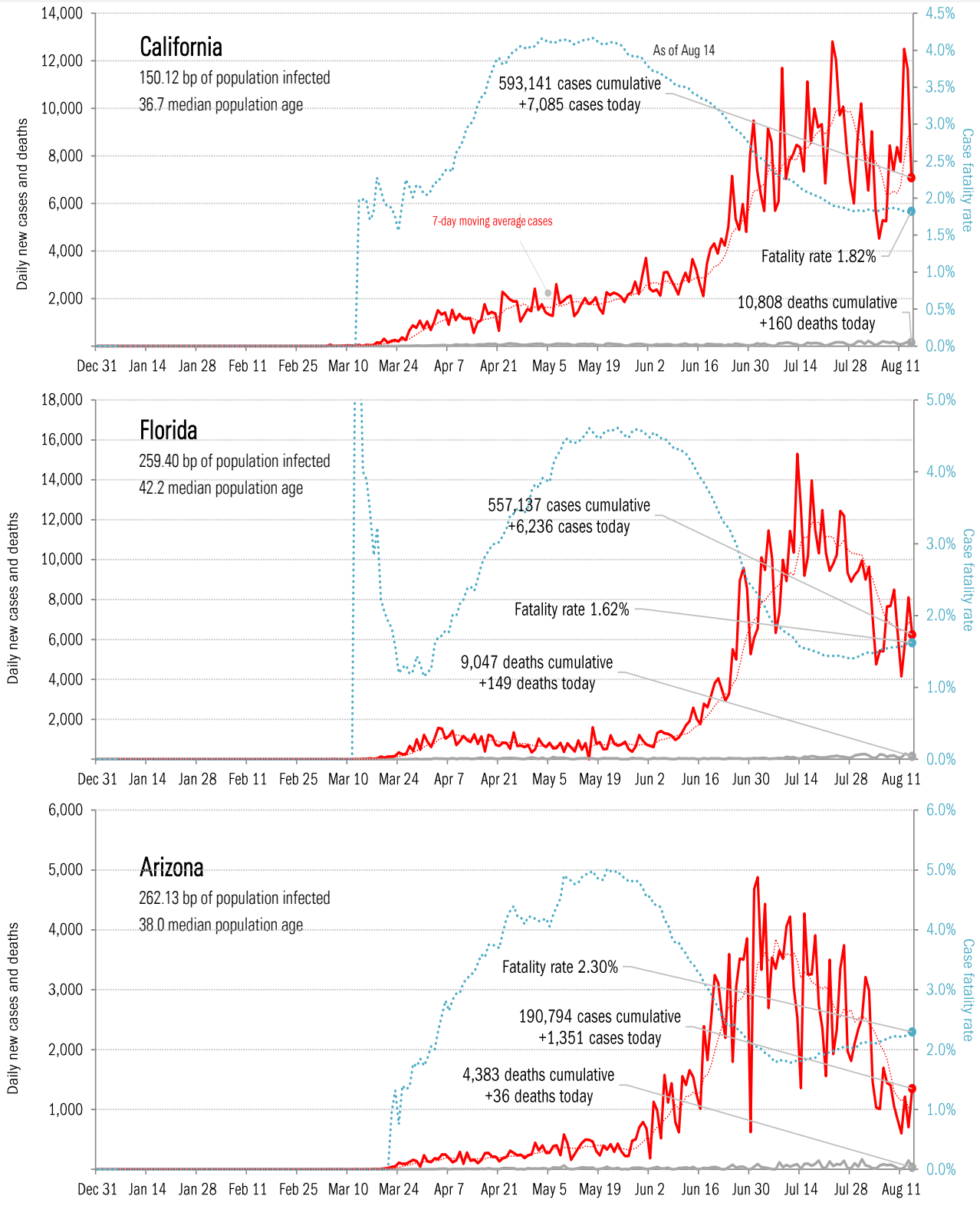
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



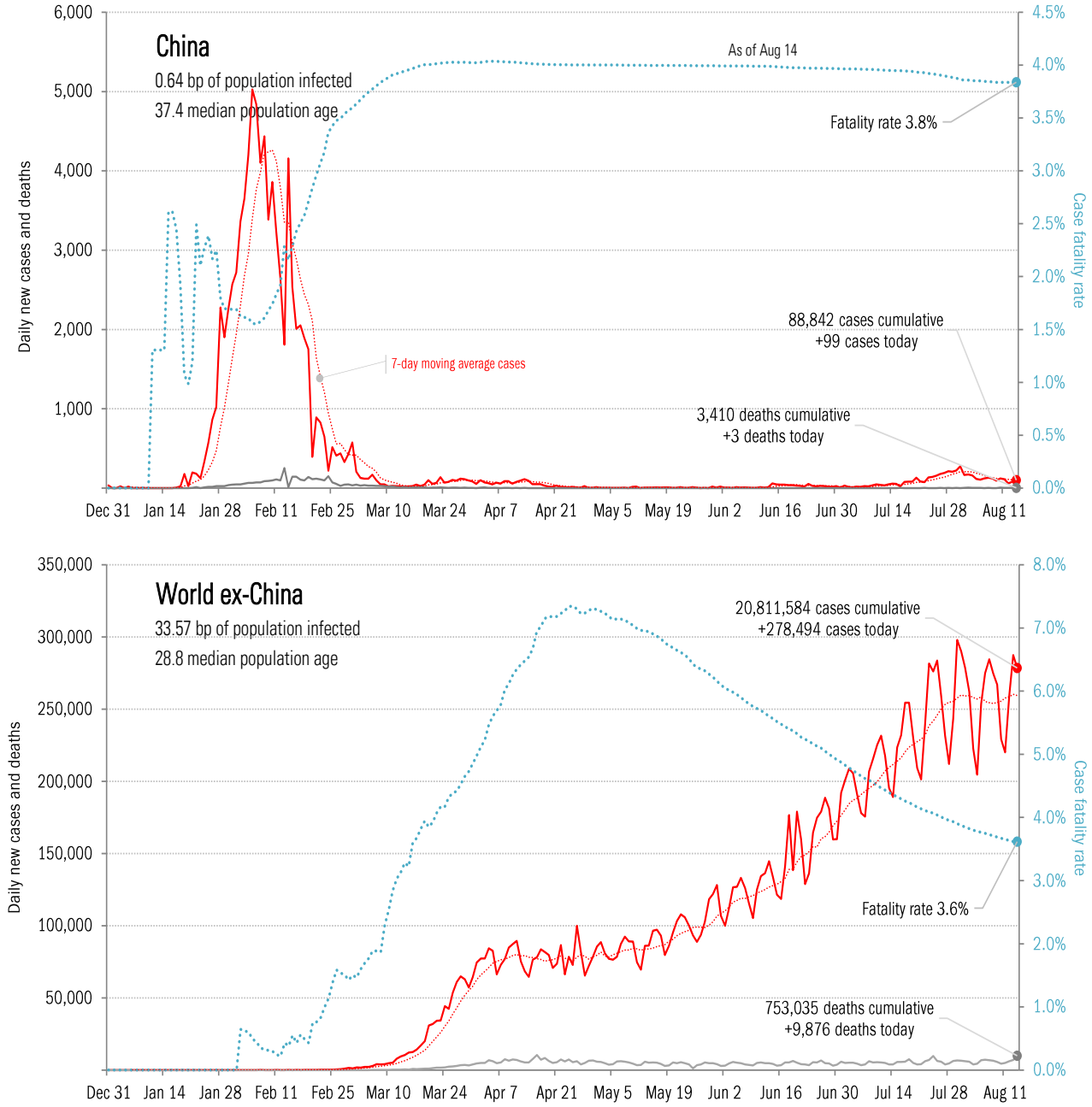
Source: ECDC, TrendMacro calculations

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



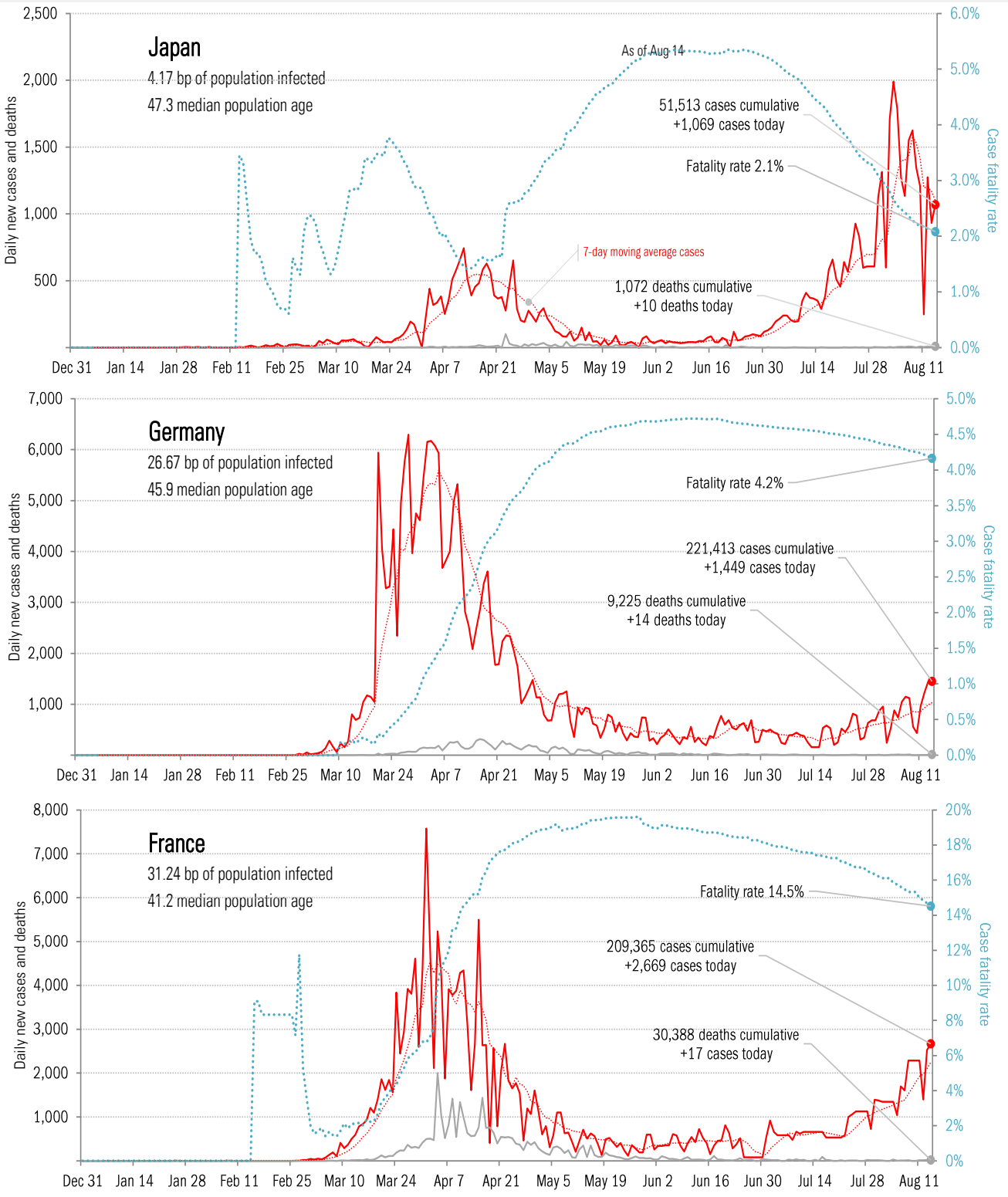
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



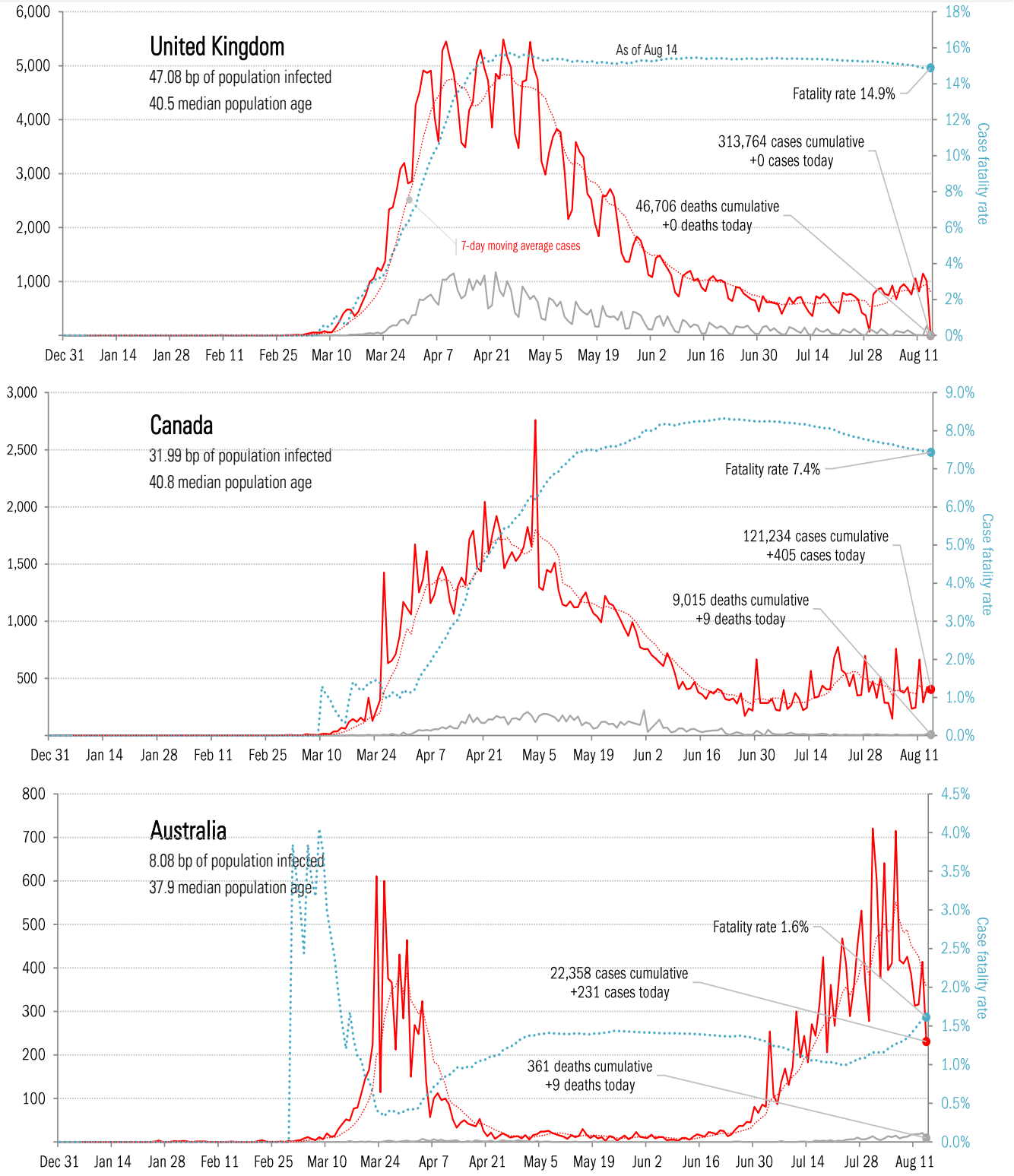
Source: ECDC, TrendMacro calculations

Impact in the largest economies



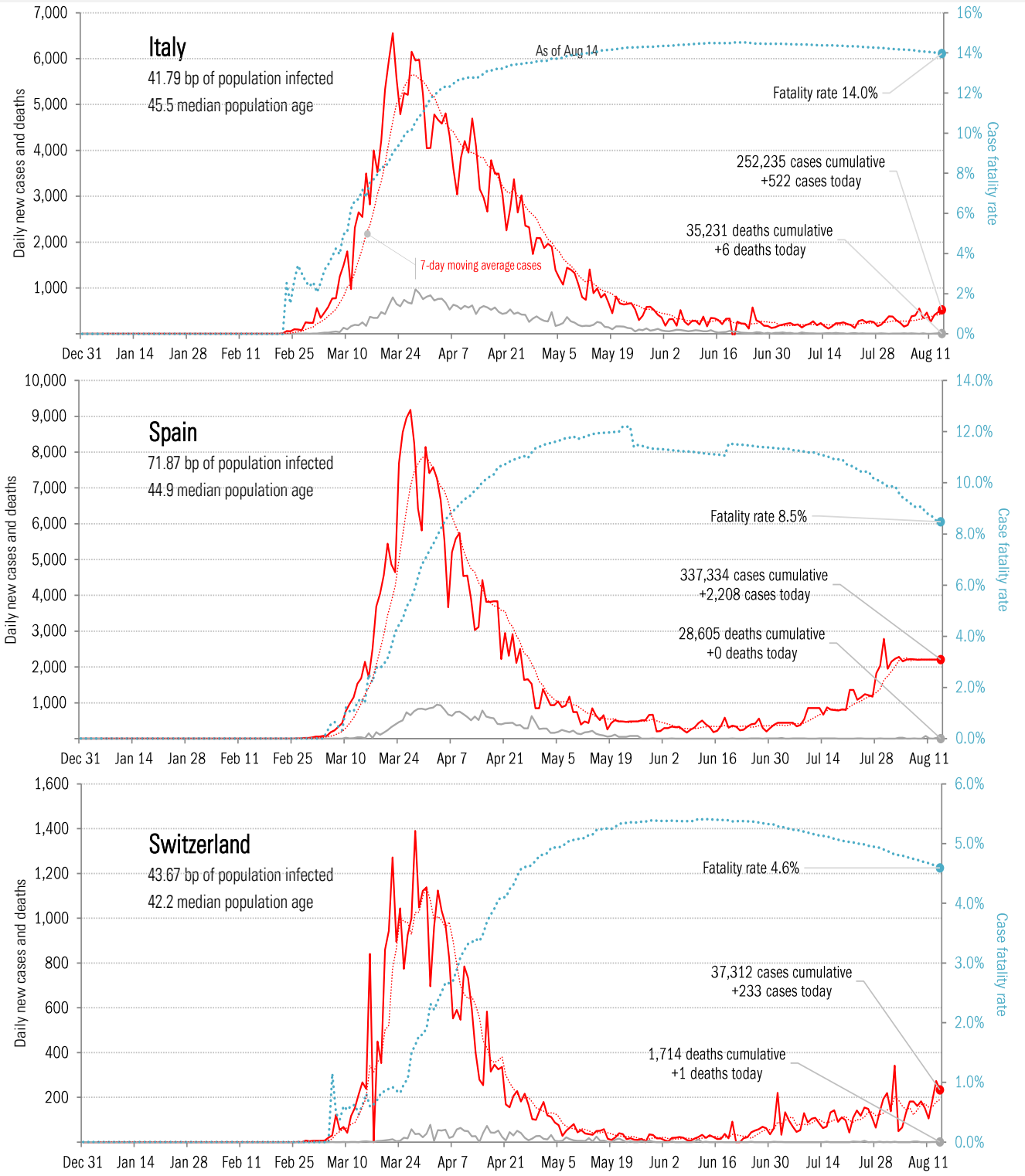
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



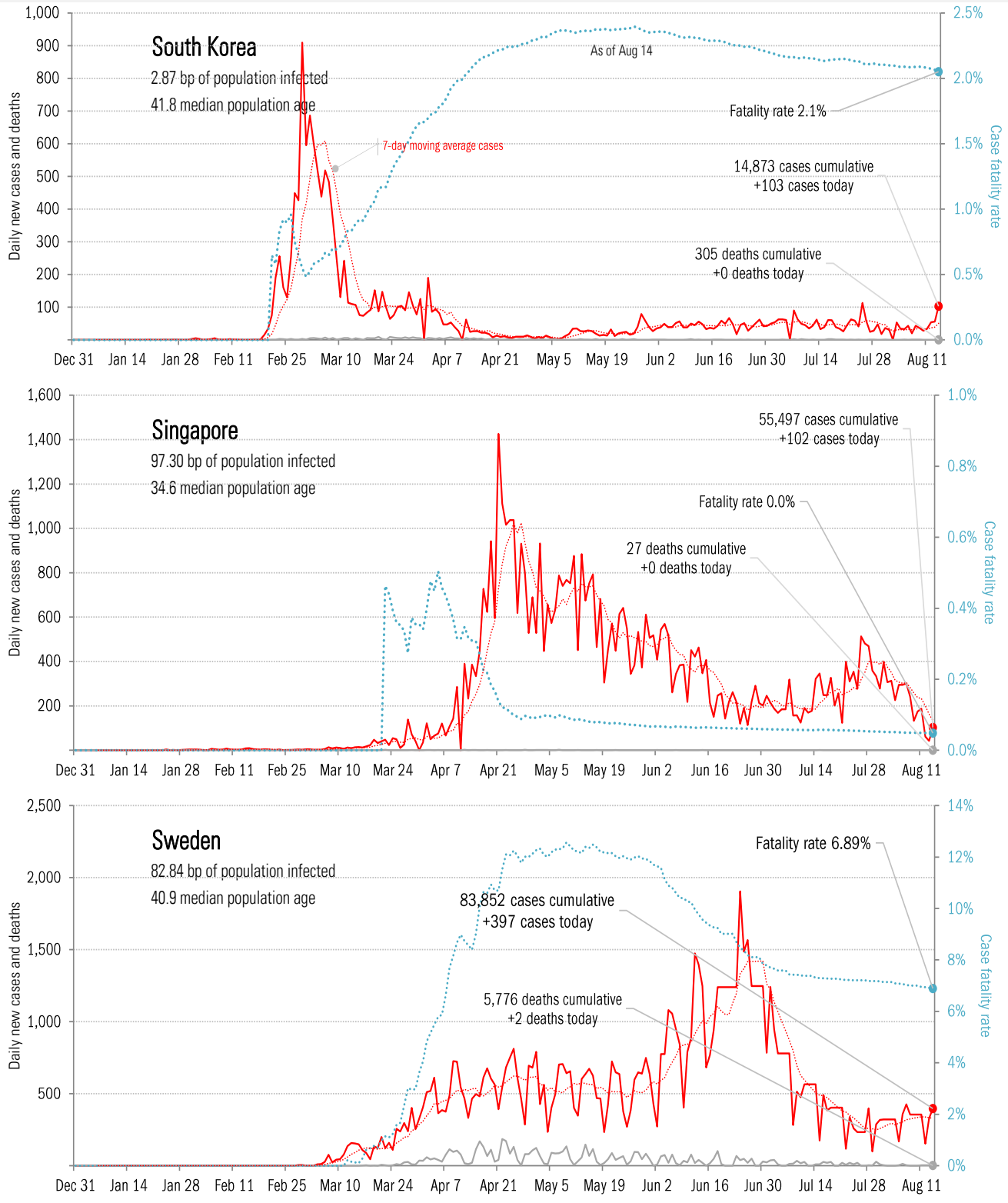
Source: ECDC, TrendMacro calculations

Impact in continental Europe



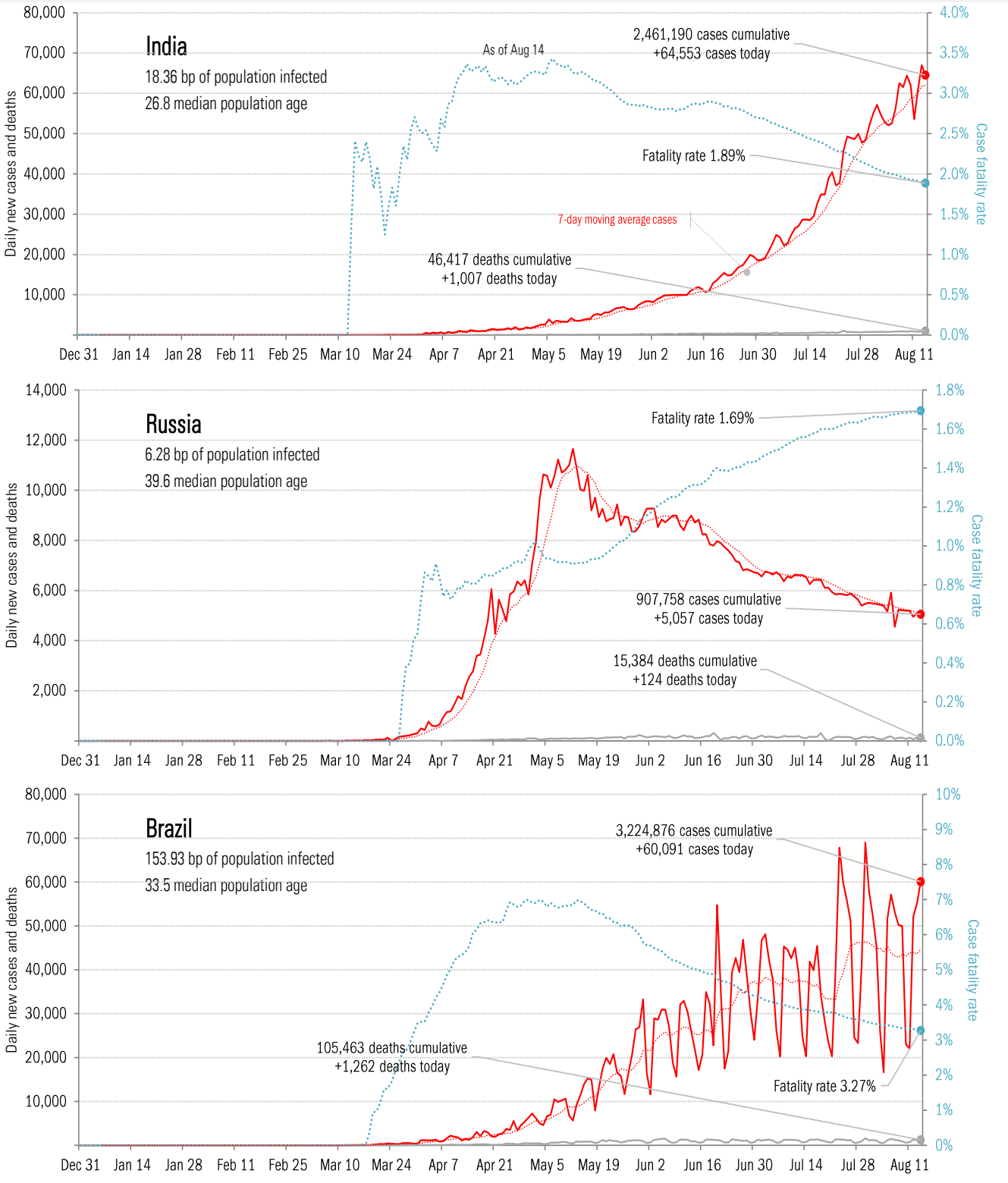
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



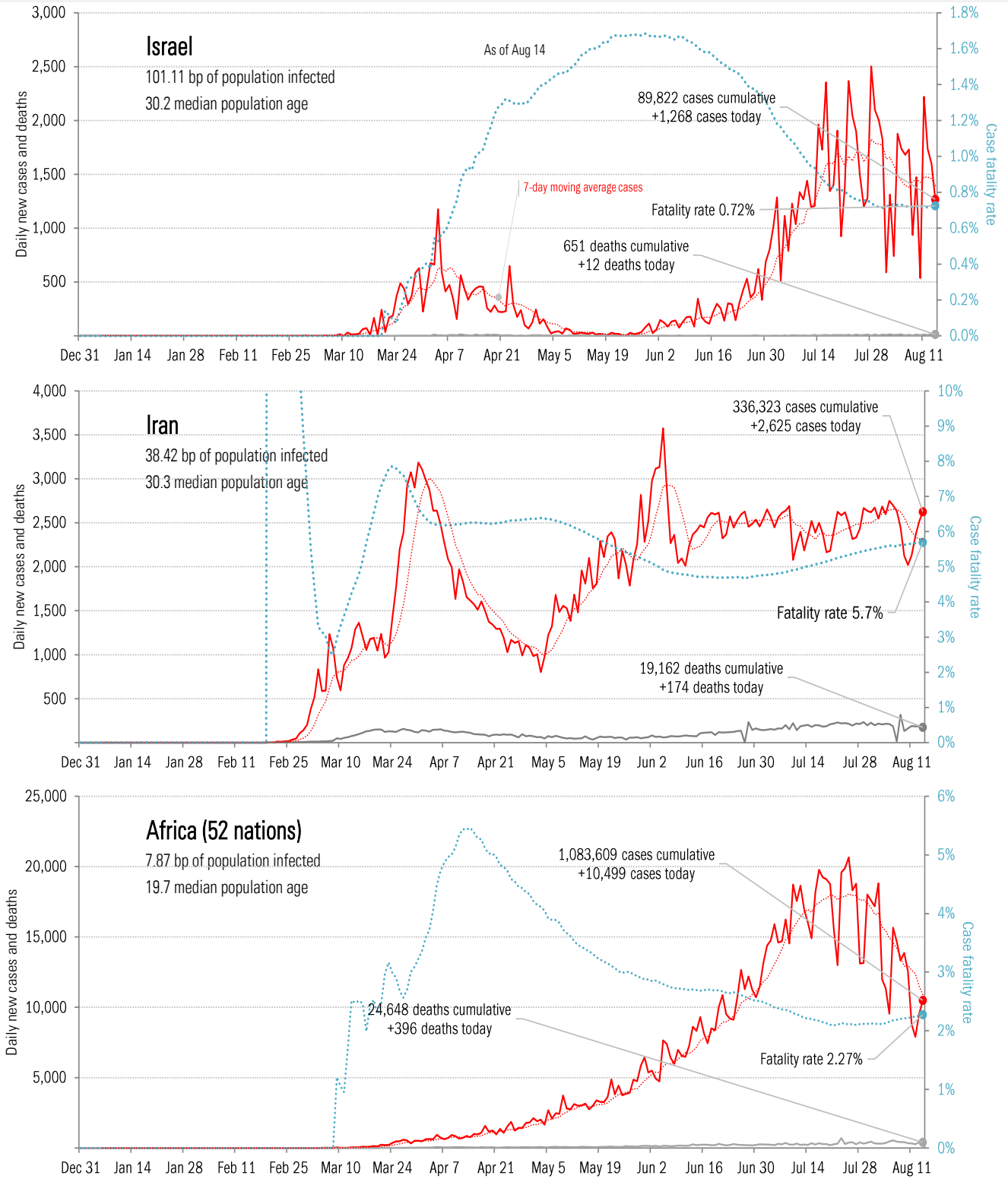
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations