Trend Macrolytics, LLC
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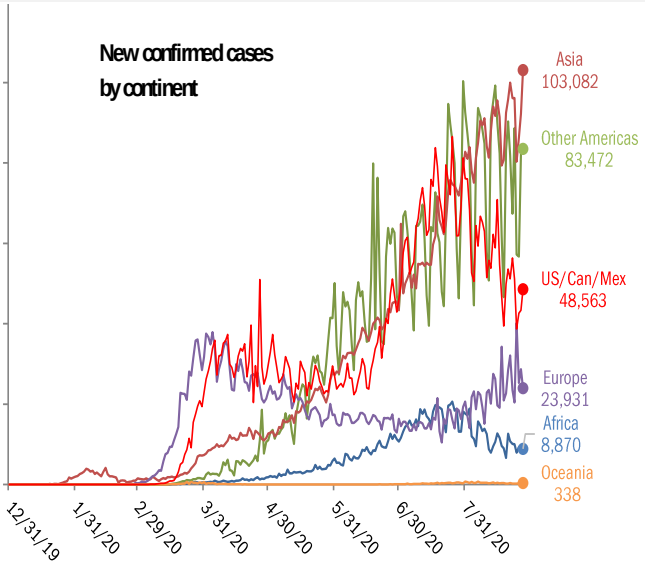
Data Insights: Covid-2019 Monitor

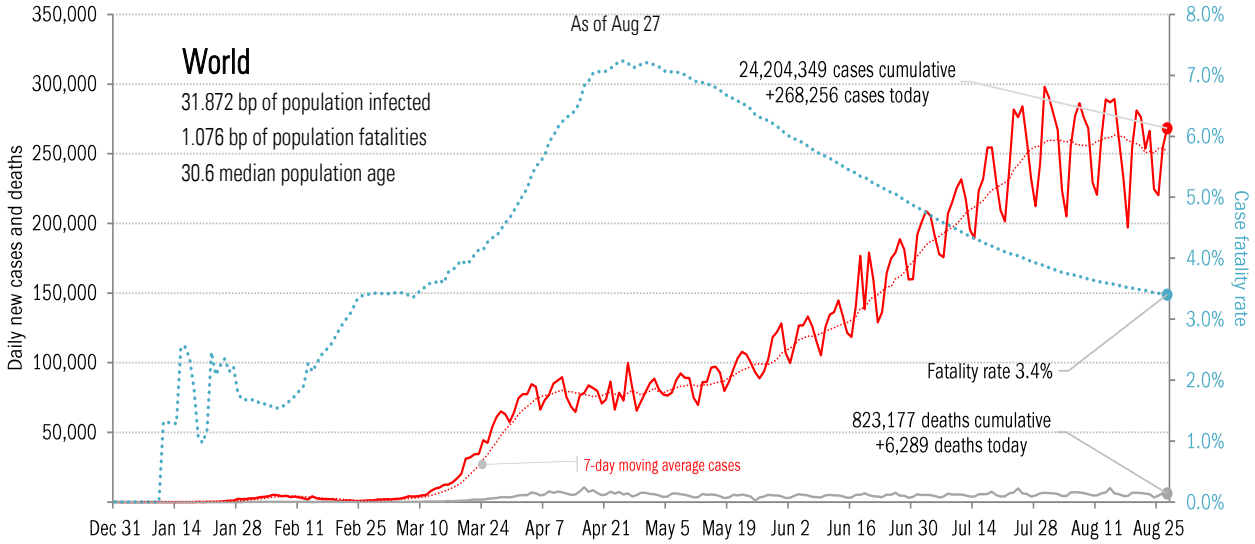
Thursday, August 27, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+75,760	US	+1,228
Brazil	+47,161	Brazil	+1,085
US	+42,848	India	+1,023
Argentina	+10,550	Mexico	+626
Colombia	+10,142	Colombia	+295
Peru	+5,996	Argentina	+276
France	+5,429	South_Africa	+194
Mexico	+5,267	Iran	+125
Philippines	+5,197	Peru	+123
Russia	+4,676	Russia	+115
	+213,026		+5,090
World	+268,256	World	+6,289
Top ten	79%	Top ten	81%





Source: ECDC, TrendMacro calculations

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The US scorecard

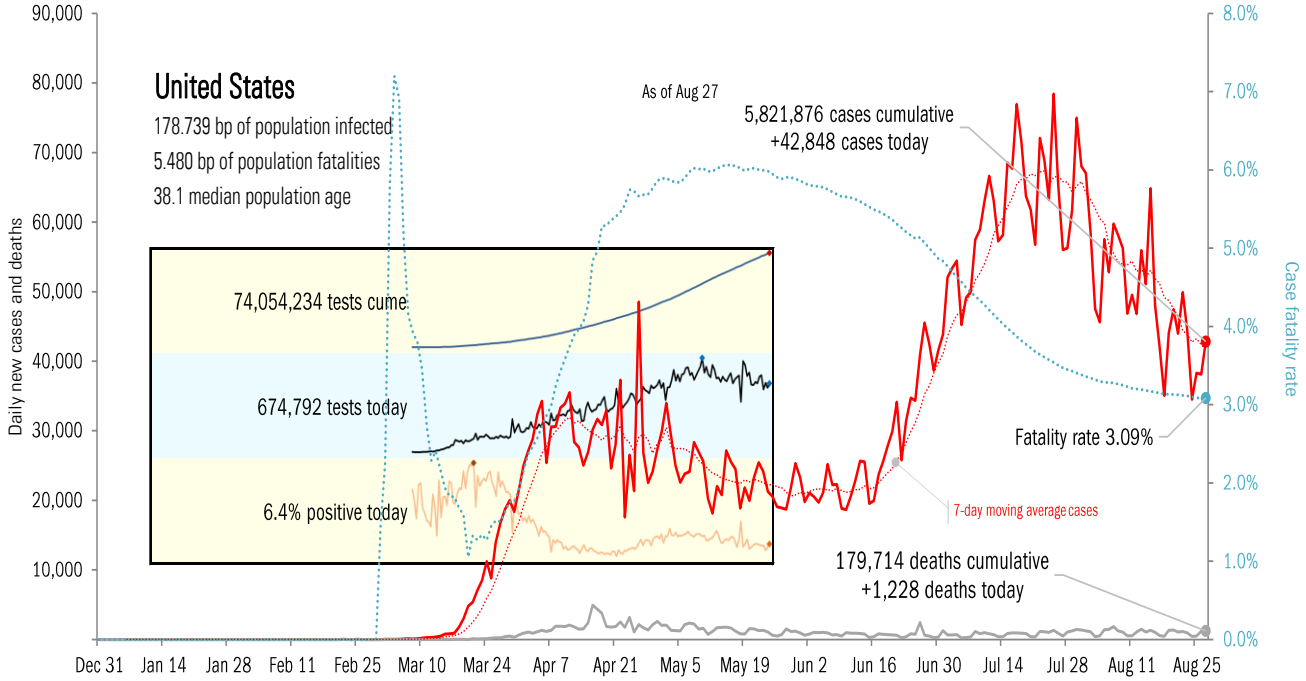
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+6,004	TX	+229	FL	+370	CA	679,099	NY	25,305	NY	89,995
TX	+5,407	FL	+155	GA	+222	FL	608,722	NJ	15,914	FL	37,847
FL	+3,220	CA	+150	AL	+212	TX	592,137	CA	12,407	GA	23,939
GA	+2,236	AZ	+104	IN	+188	NY	431,340	TX	11,805	NJ	22,509
IL	+2,157	MS	+58	VA	+97	GA	260,590	FL	10,872	AZ	21,376
AL	+2,012	LA	+54	TN	+88	IL	227,044	MA	8,987	VA	15,852
TN	+1,936	GA	+49	OH	+87	AZ	199,459	IL	8,163	MD	14,090
KS	+1,536	OH	+48	OK	+82	NJ	190,306	PA	7,624	AL	14,005
MO	+1,426	SC	+44	WA	+53	NC	158,985	MI	6,690	OH	13,043
NC	+1,244	IL	+37	CO	+49	TN	147,353	GA	5,311	MA	12,299
	+27,178		+928		+1,448		3,495,035		113,078		264,955
All states	+43,130	All states	+1,249	All states	+1,873	All states	5,793,243	All states	171,602	All states	364,325
Top ten	63%	Top ten	74%	Top ten	77%	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	-939	GA	-57	SC	-159	LA	+9,798
AZ	-673	NJ	-43	AZ	-135	TX	+5,871
HI	-384	FL	-28	FL	-75	AL	+3,344
SC	-332	TN	-20	GA	-70	TN	+1,730
VA	-182	MI	-15	VA	-49	MA	+1,715



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

Recommended reading

Abbott's $5 Covid-19 Rapid Antigen Test Gets Emergency-Use Status From FDA
Sarah Krouse
Wall Street Journal
August 26, 2020

Kansas Democrats' Covid Chart Masks the Truth
Allysia Finley
Wall Street Journal
August 26, 2020

The Left's Covid Memory Hole
Karl Rove
Wall Street Journal
August 26, 2020

Johan Giesecke - The SARS-CoV-2 Iceberg - 98% - 99% of cases are very mild or asymptomatic
Sky News
August 23, 2020

Persistent Symptoms in Patients After Acute COVID-19
Angelo Carfì et al.
Journal of the American Medical Association
July 9, 2020

COVID-19 "Long Hauler" Symptoms Survey Report
Natalie Lambert
Indiana University School of Medicine
July 25, 2020

Four Stylized Facts about Covid-2019
Andrew Atkeson, Karen Kopecky and Tao Zha
NBER
August 2020

Trump considers fast-tracking UK Covid-19 vaccine before US election
David Crow, Demetri Sevastopulo, Hannah Kuchler and Andrew Edgecliffe-Johnson
Financial Times
August 24, 2020

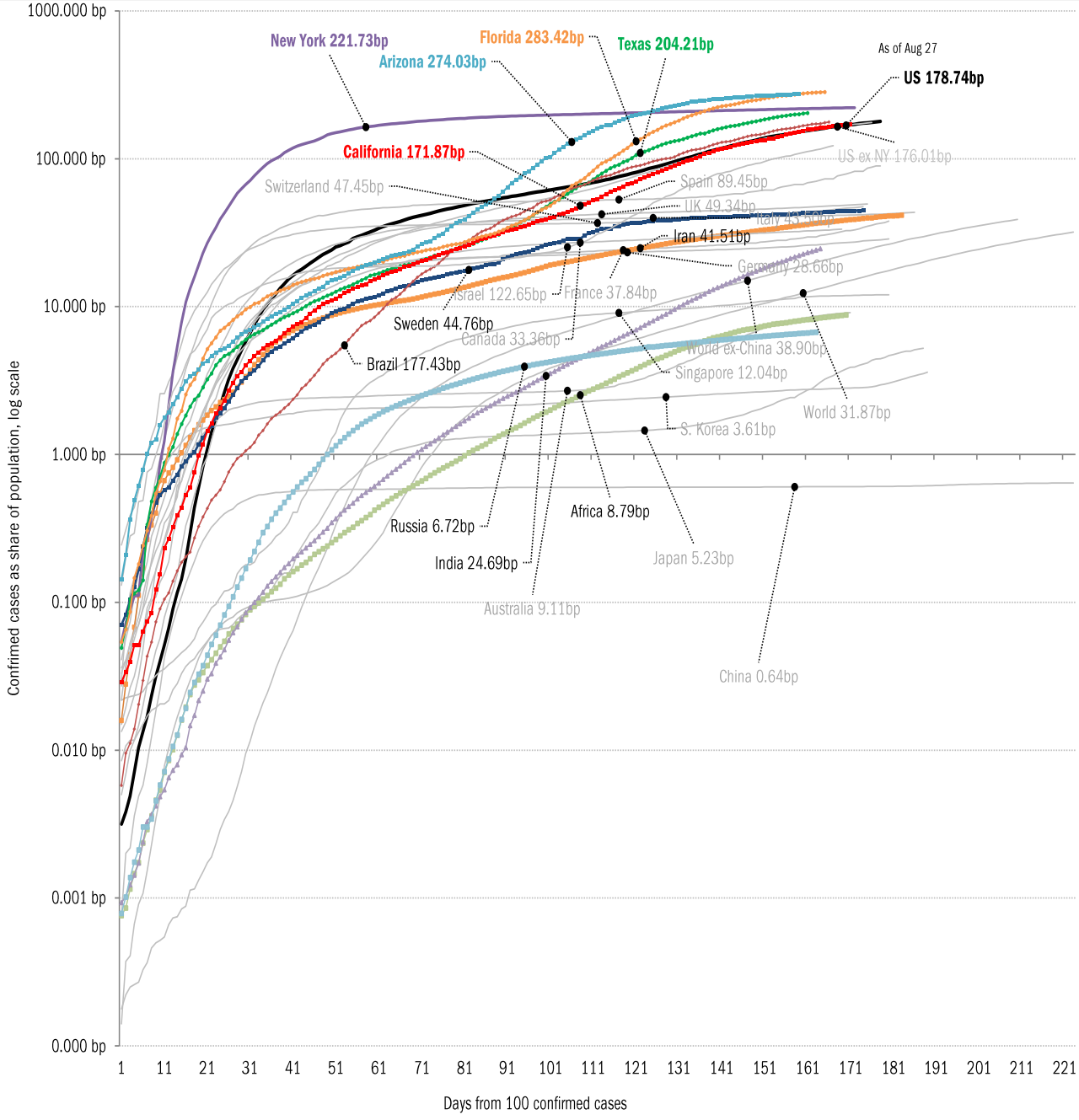
Genetic data show how a single superspreading event sent coronavirus across Massachusetts — and the nation
Sarah Kaplan and Chris Mooney
Washington Post
August 25, 2020

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

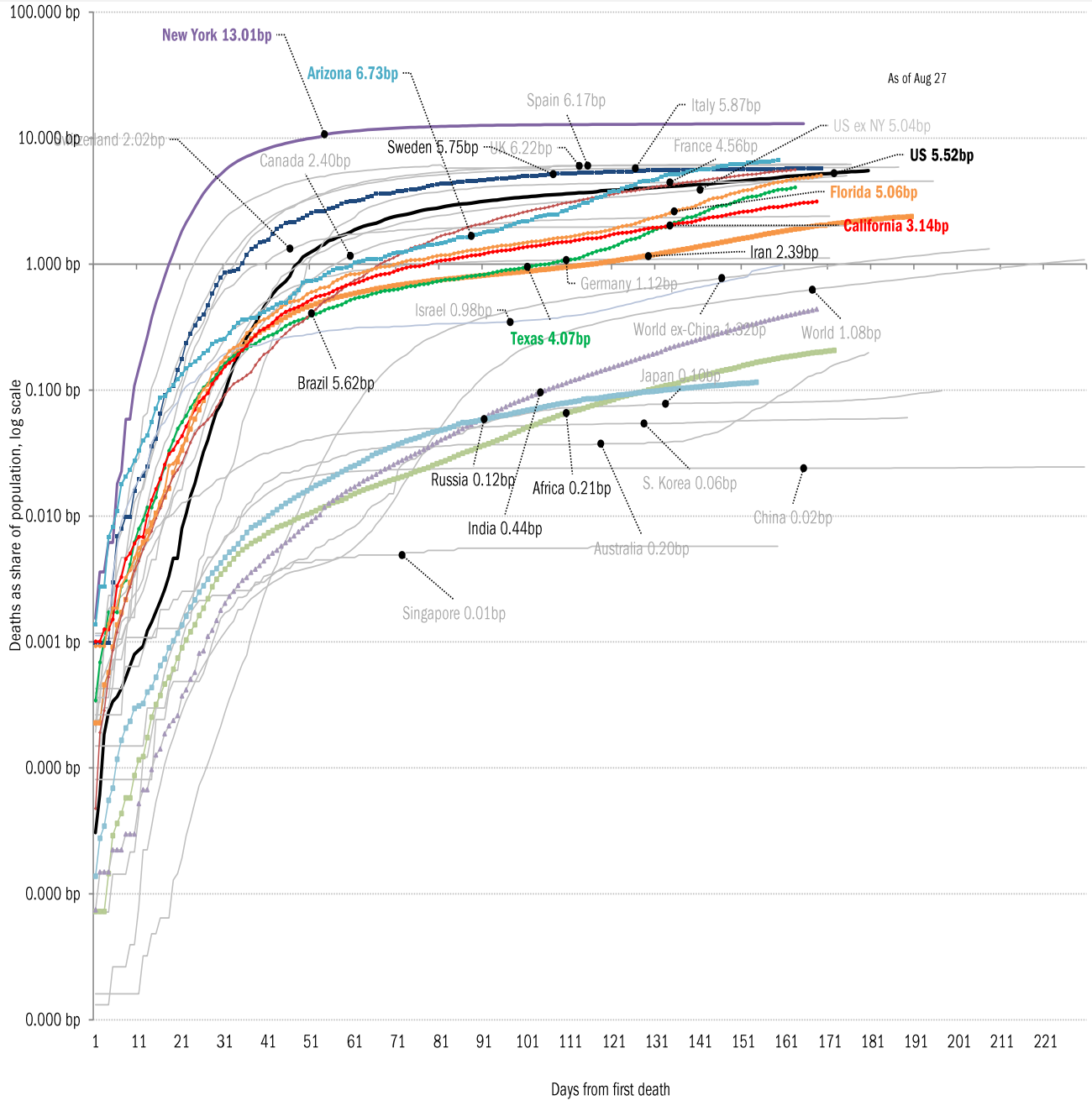
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

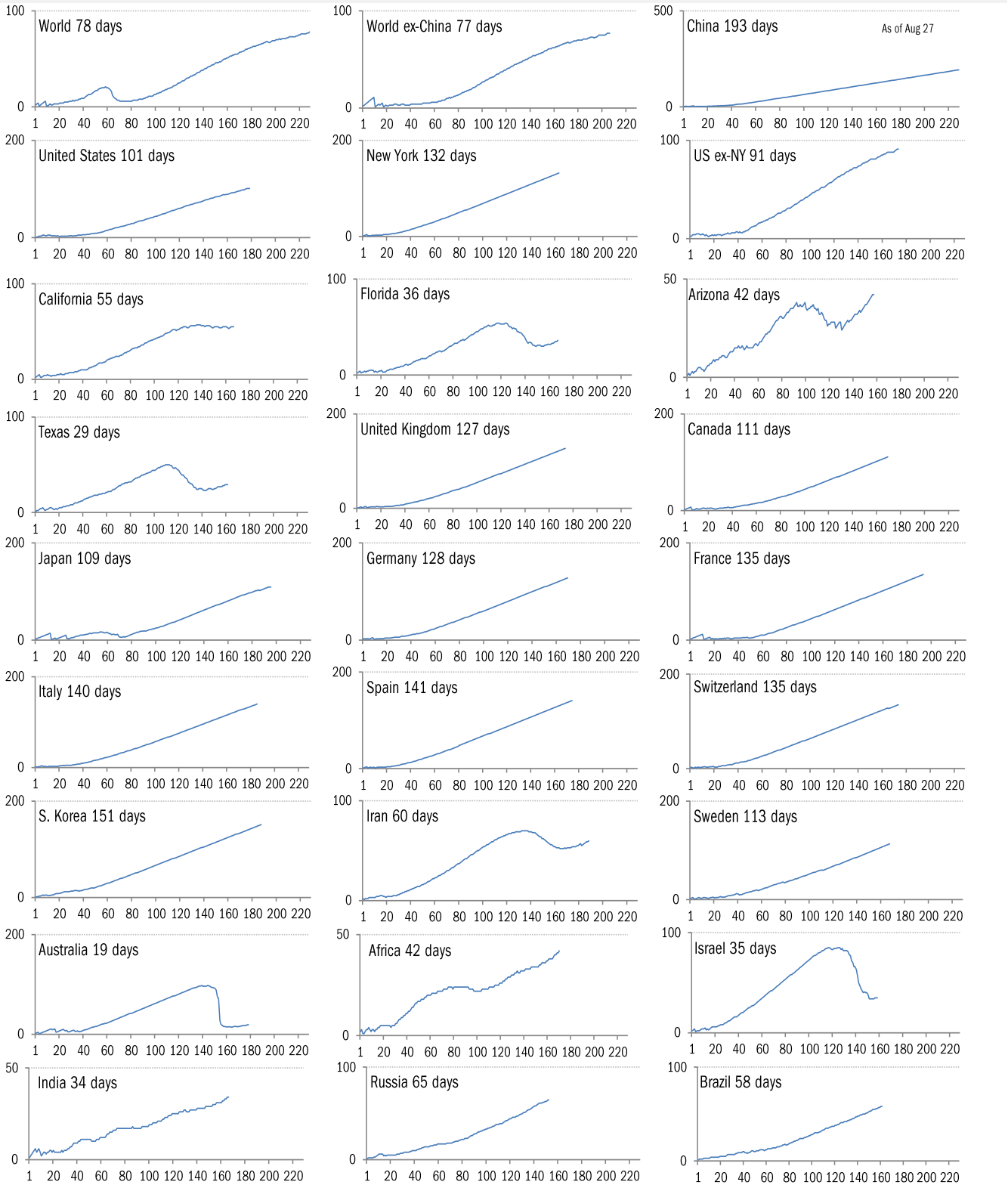


Source: ECDC, TrendMacro calculations

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

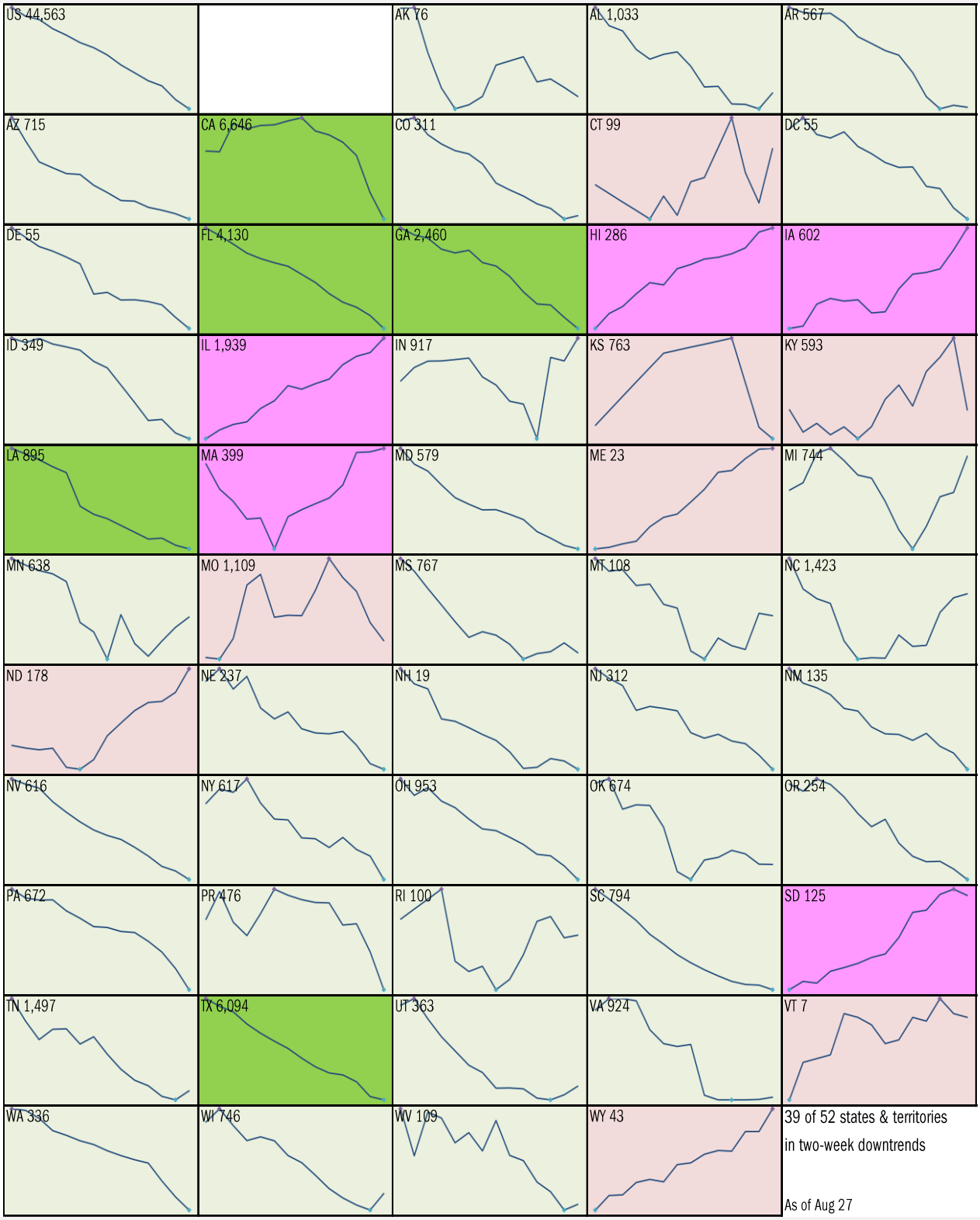


Source: ECDC, TrendMacro calculations

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

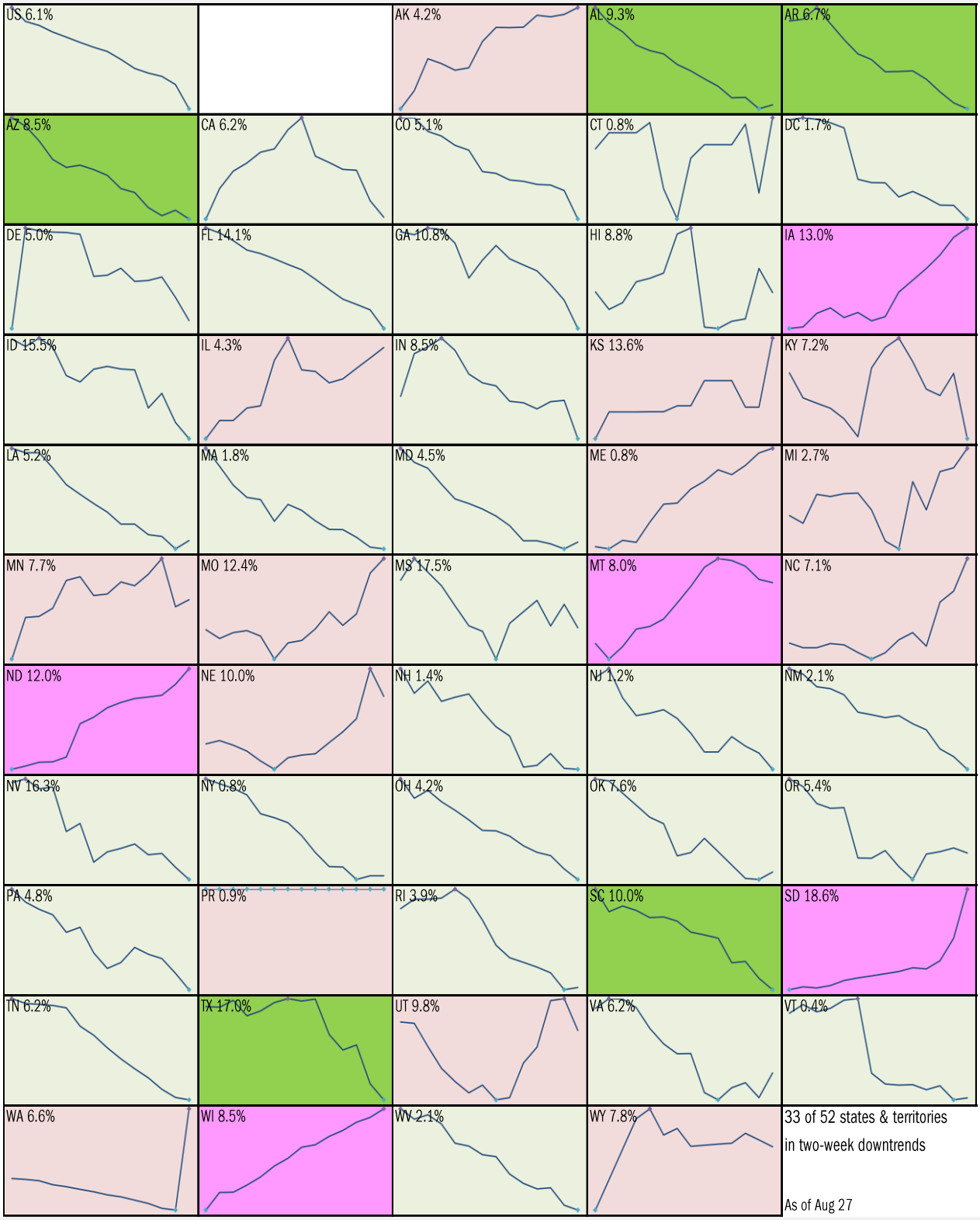


Source: Covid Tracking Project, TrendMacro calculations

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

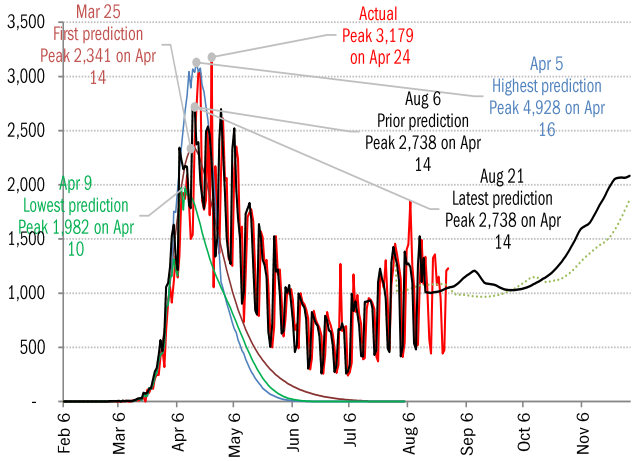


Source: Covid Tracking Project, TrendMacro calculations

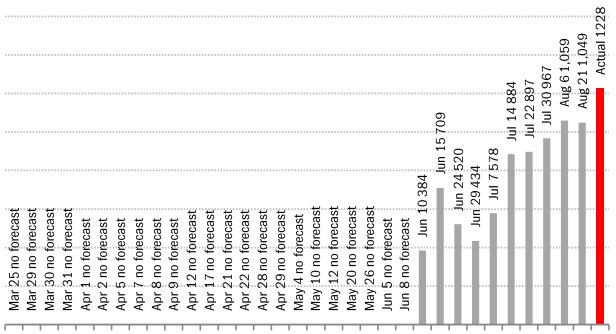
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Aug 27

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

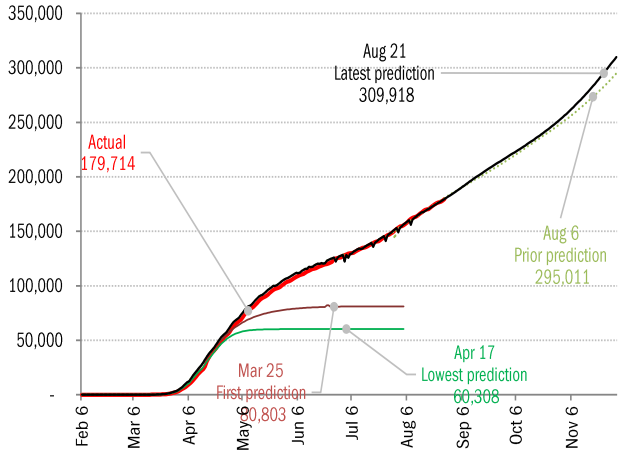


For this day, versus all model mean predictions

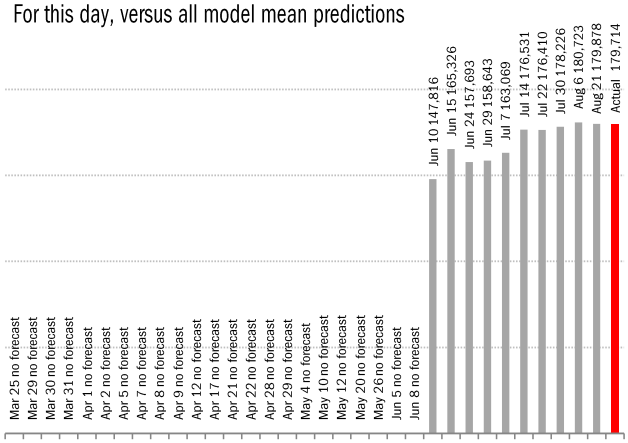


Cumulative fatalities

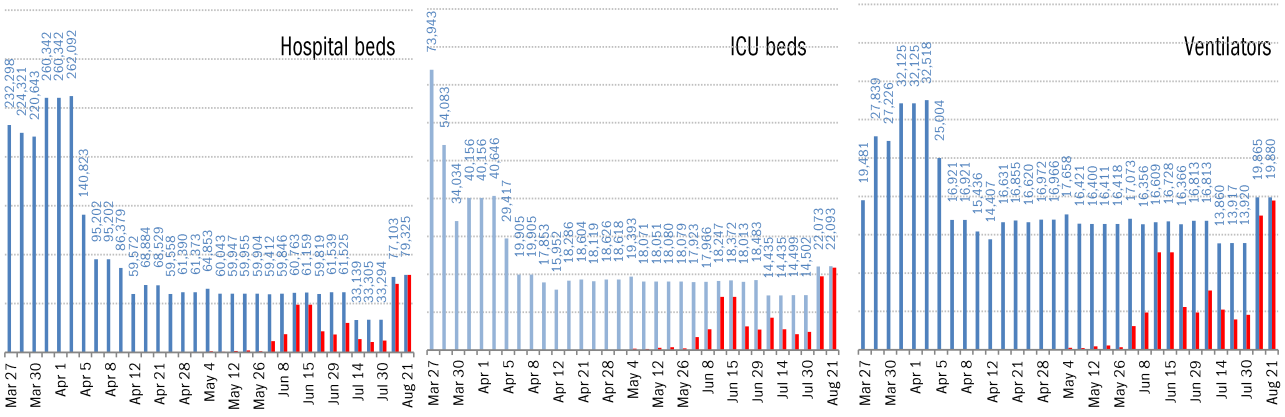
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

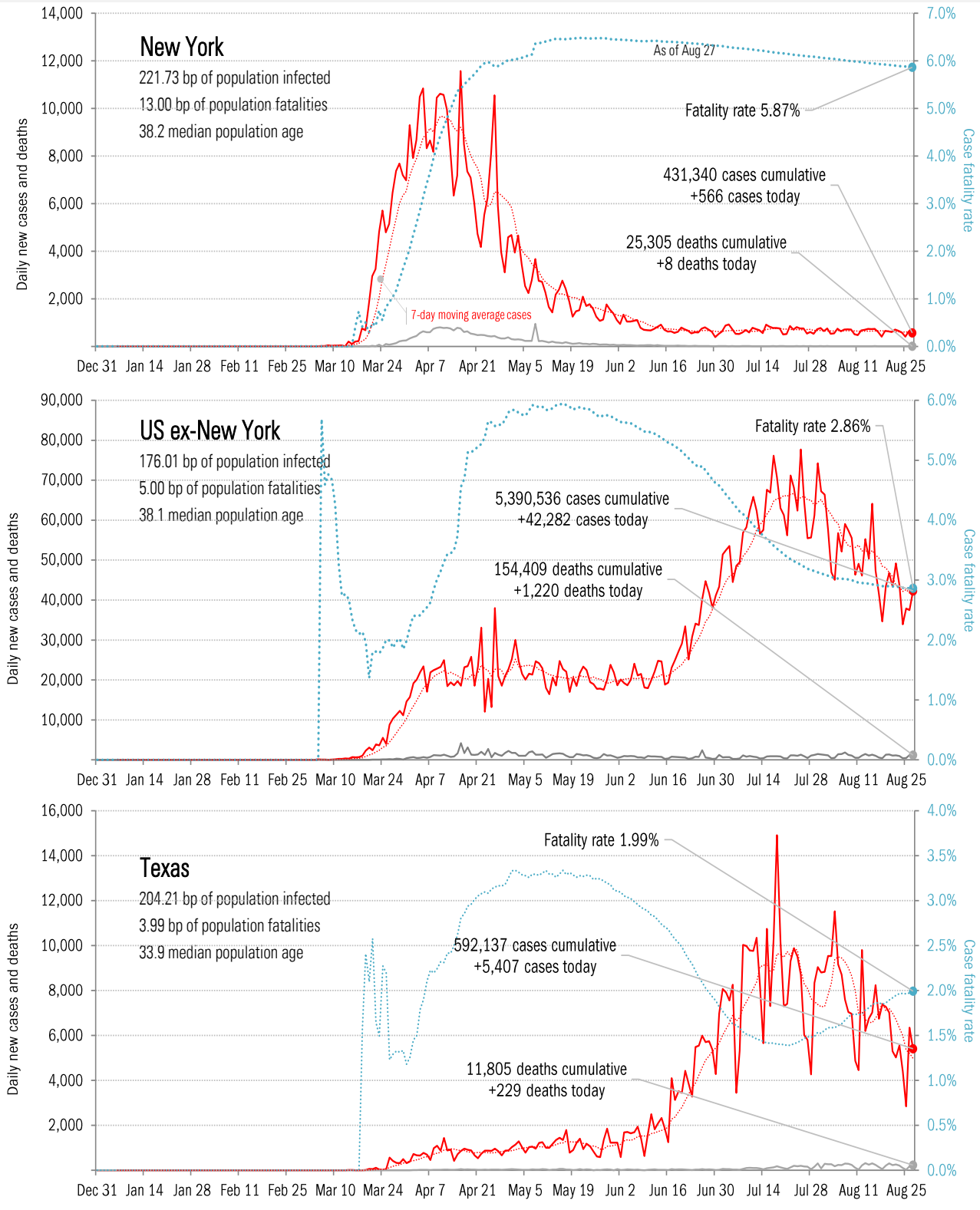


Healthcare system stress, peak and ultimate estimated at each model revision



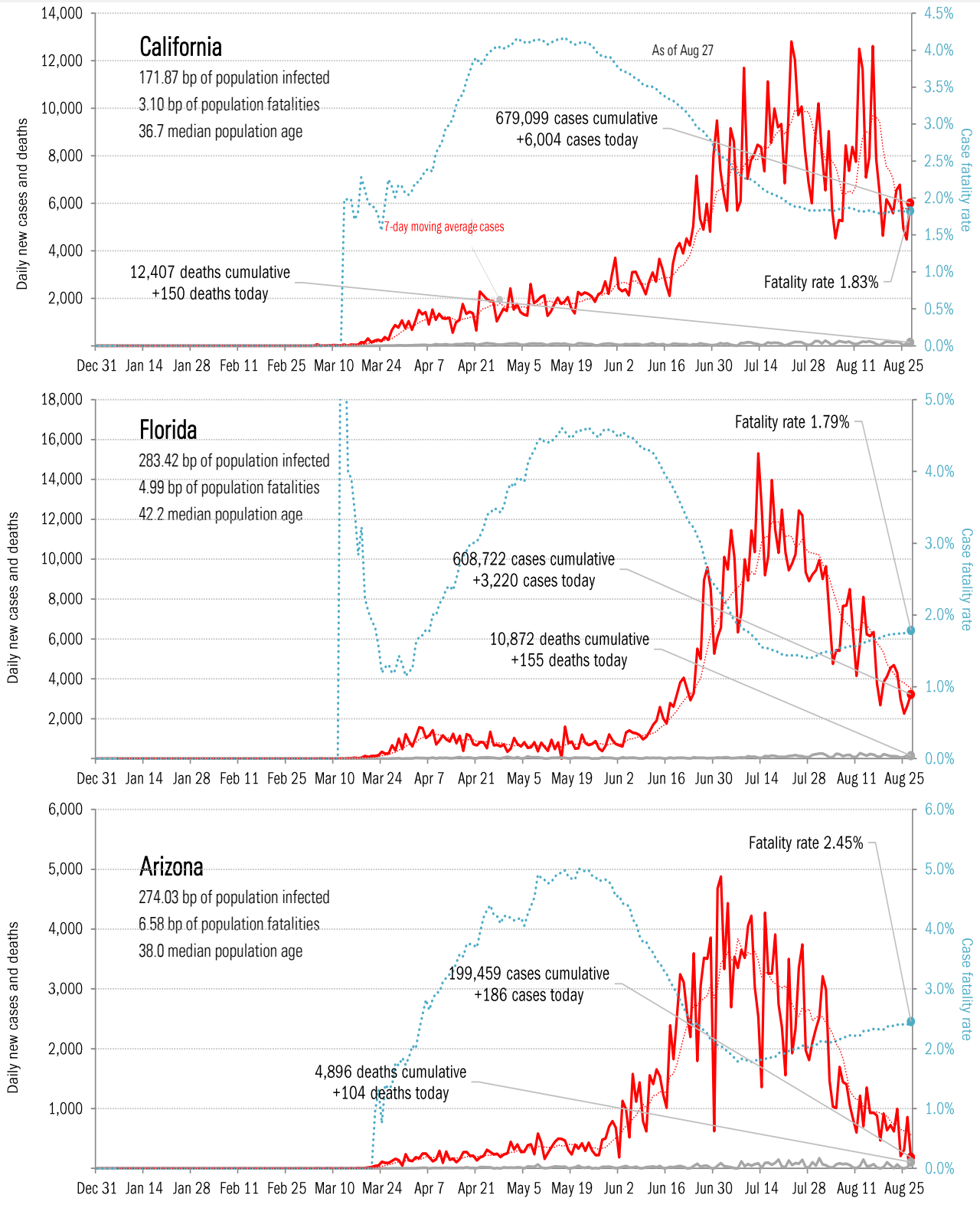
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



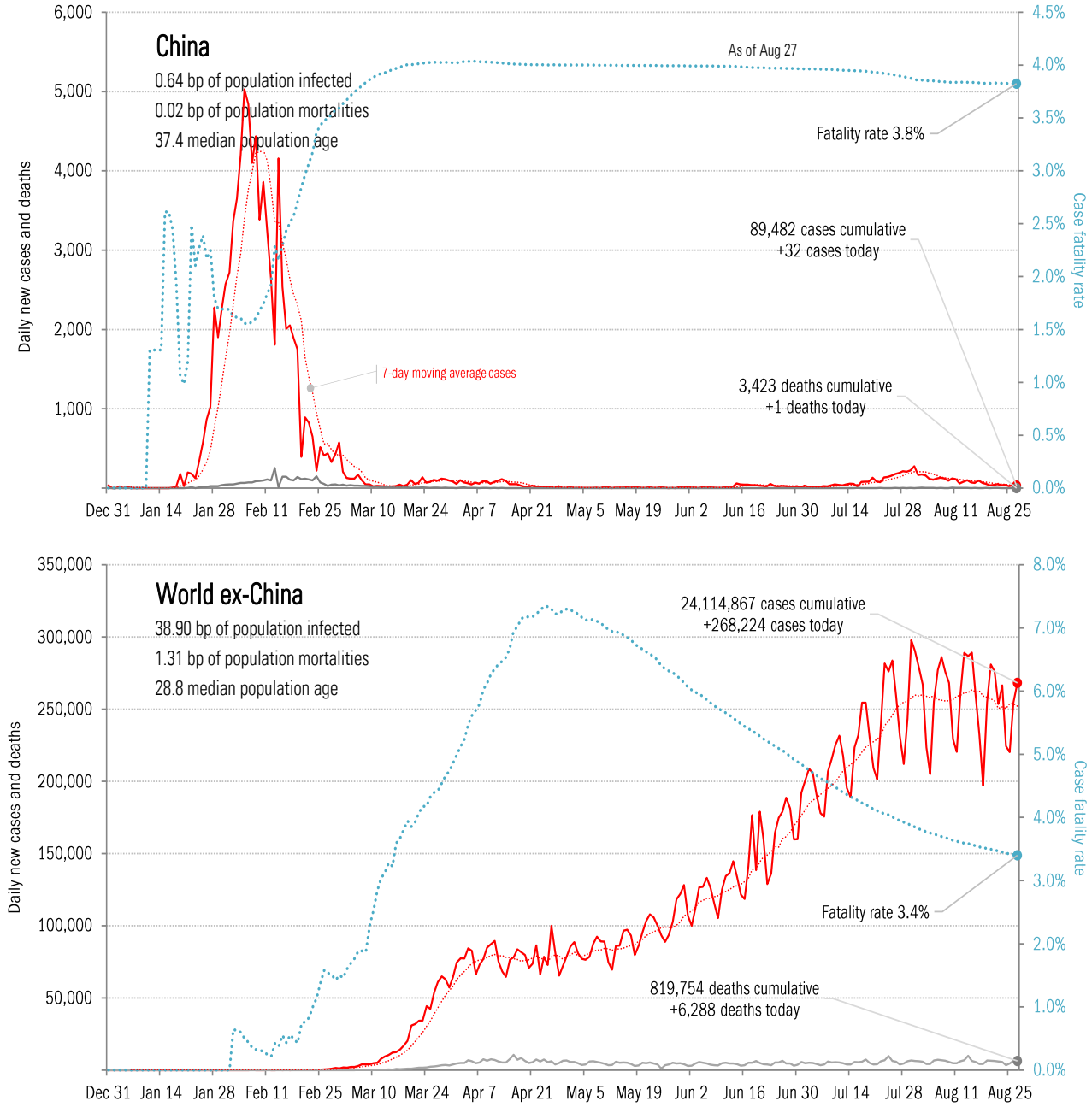
Source: ECDC, TrendMacro calculations

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



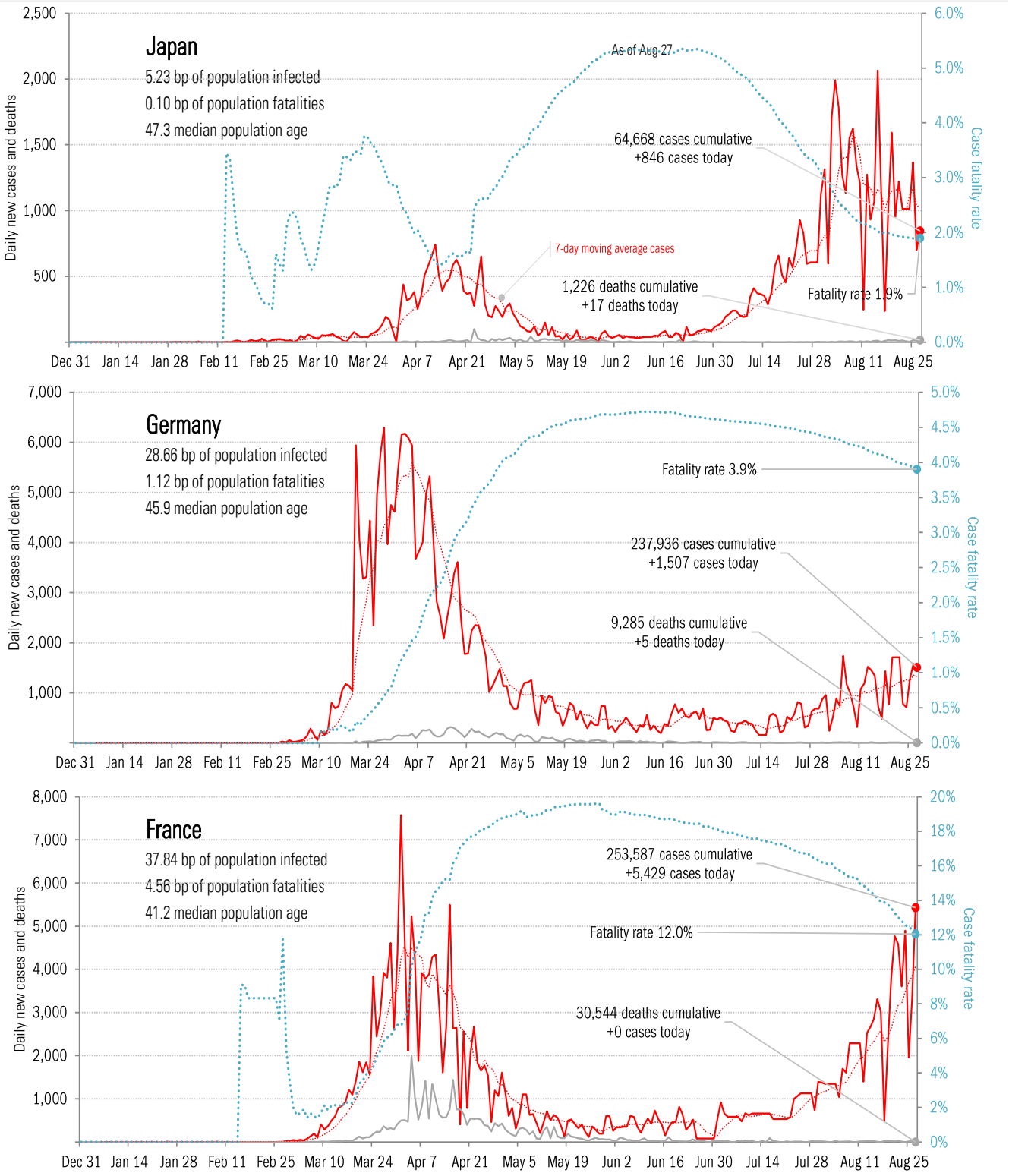
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



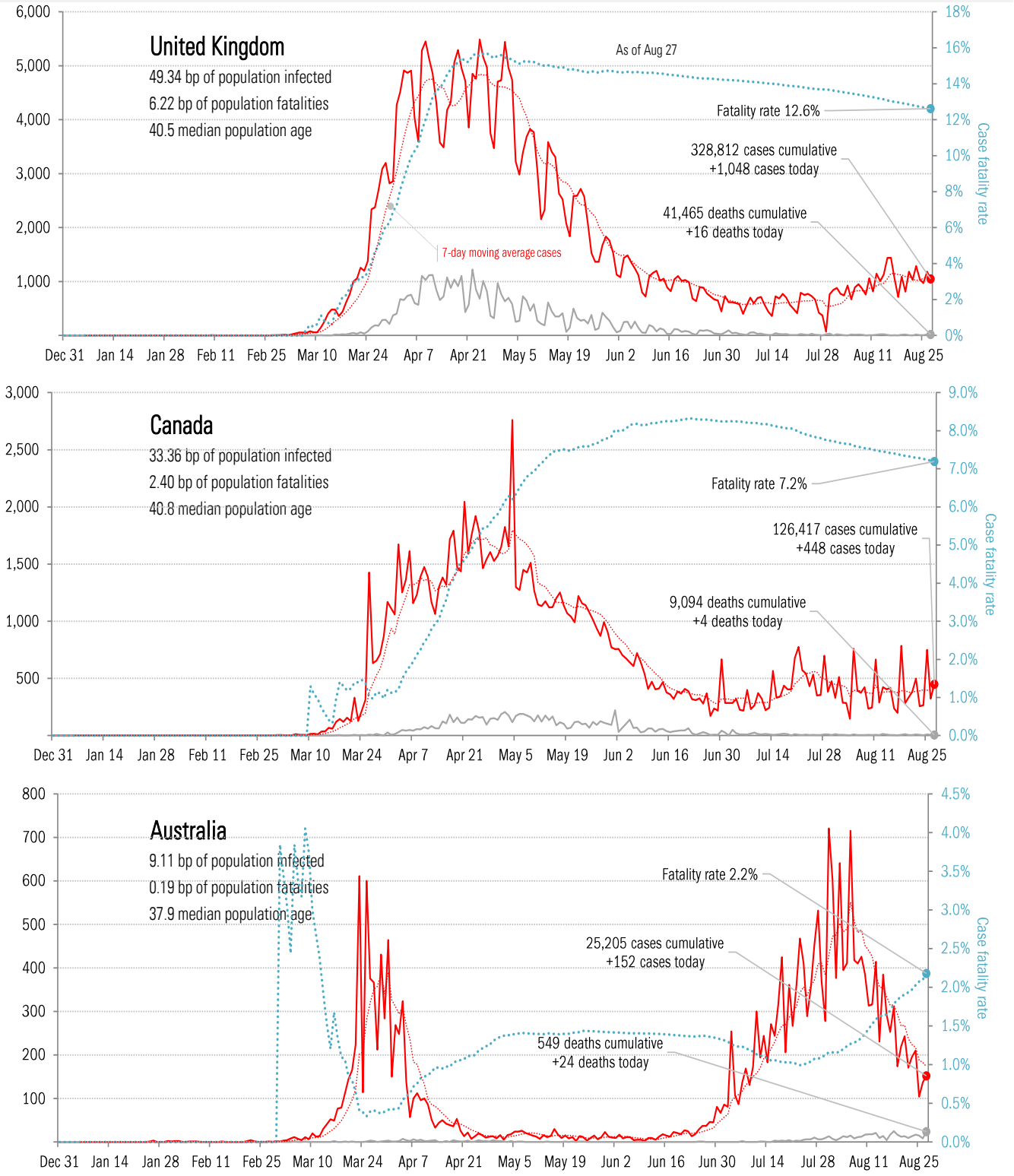
Source: ECDC, TrendMacro calculations

Impact in the largest economies



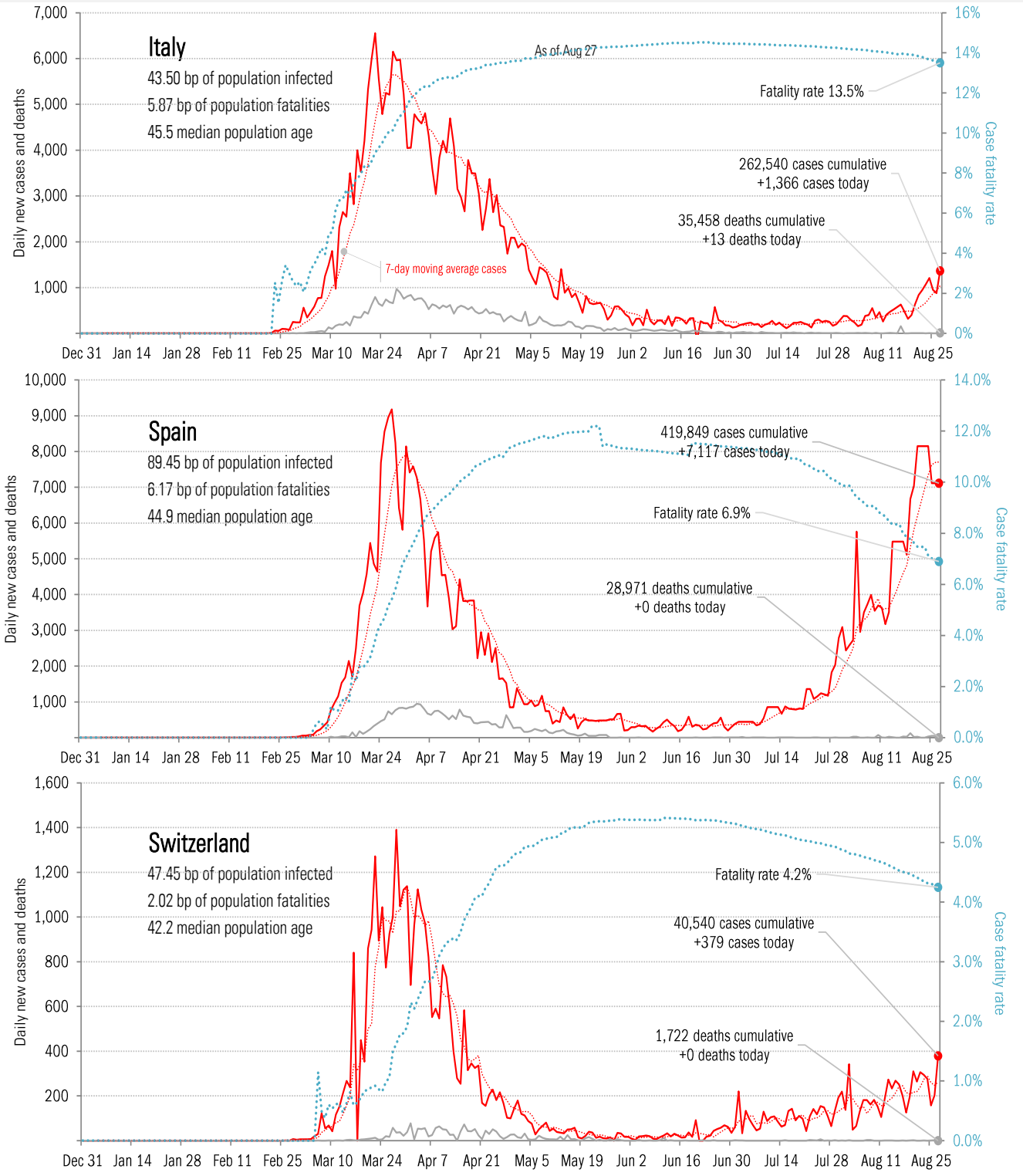
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



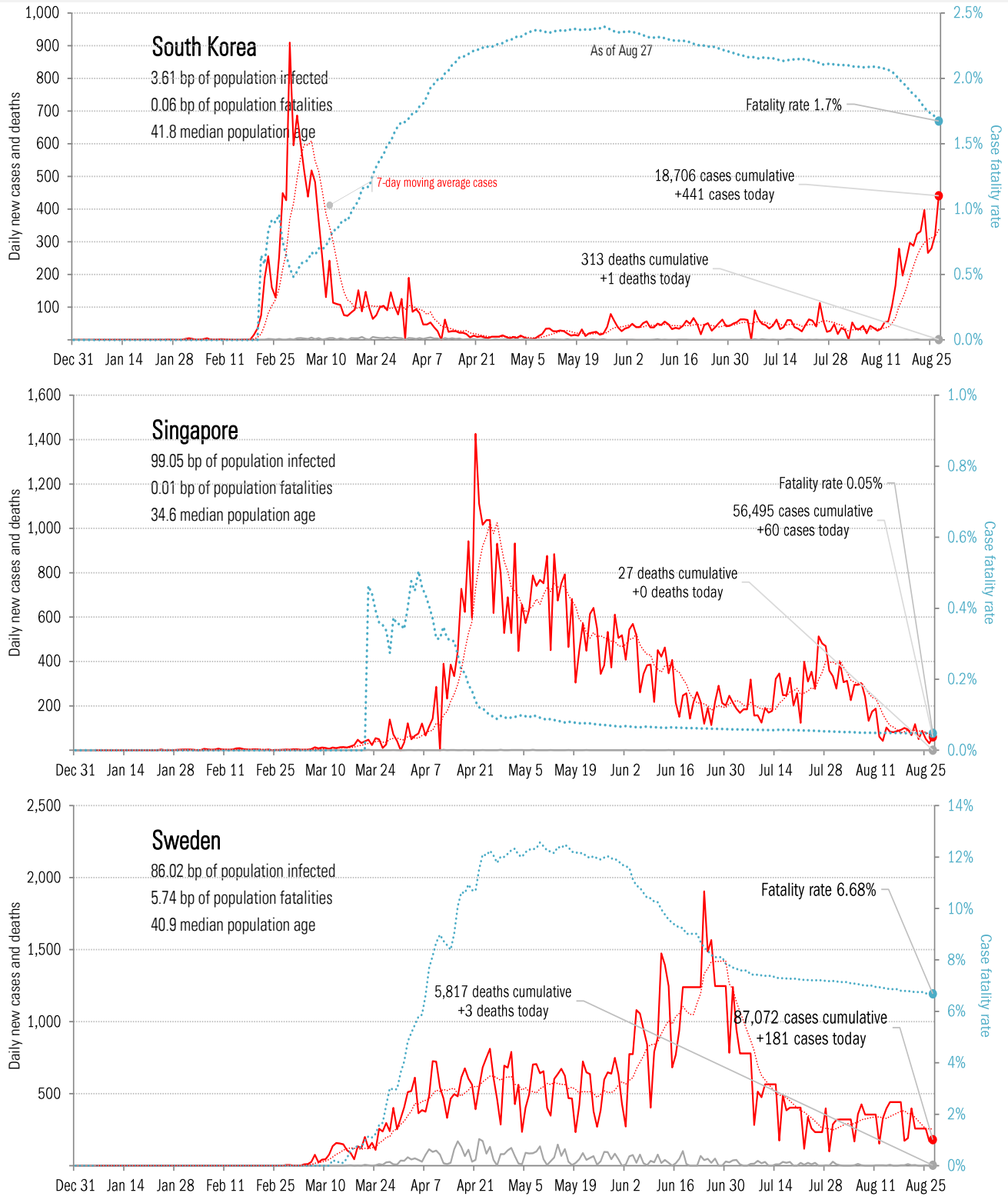
Source: ECDC, TrendMacro calculations

Impact in continental Europe



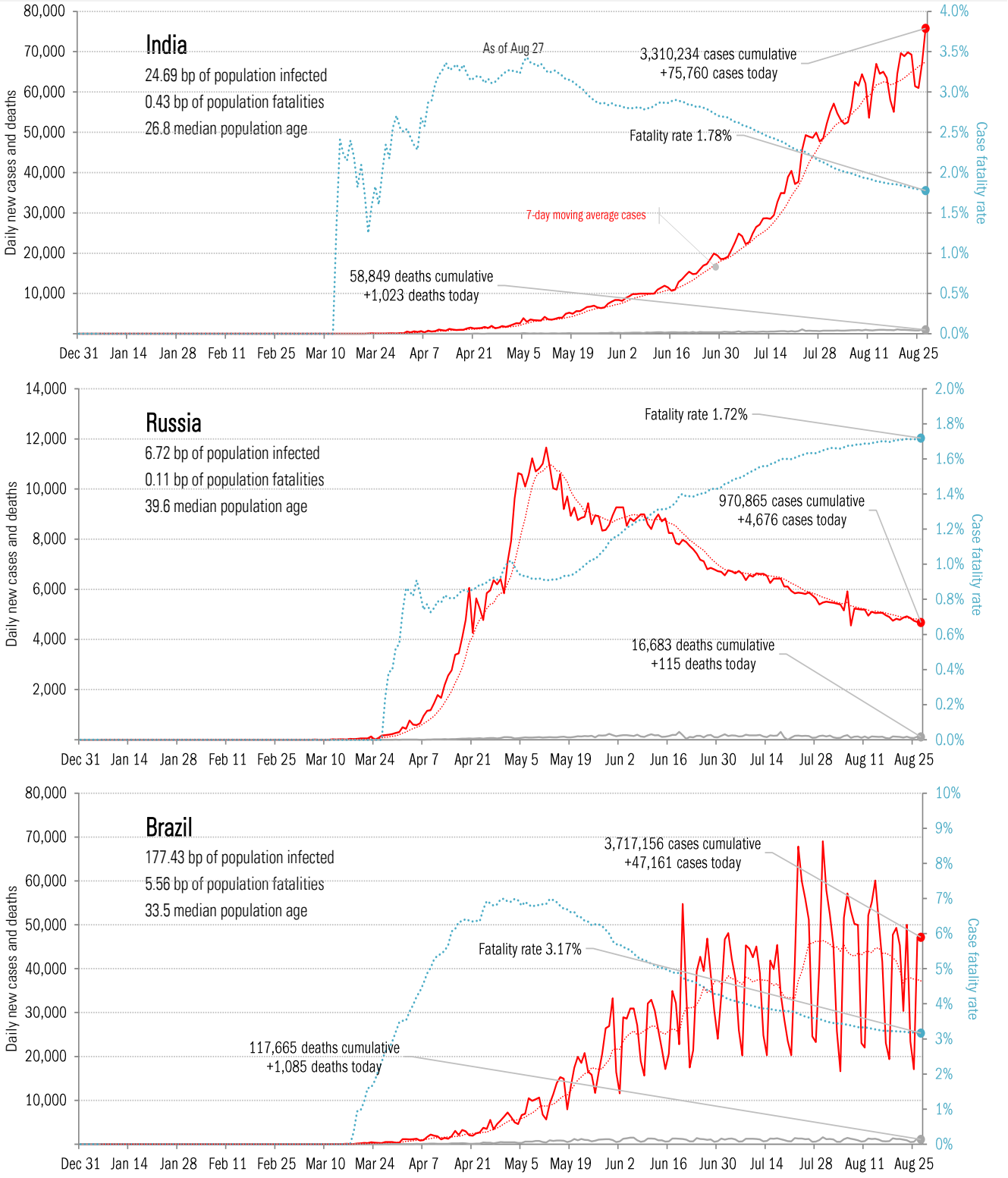
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



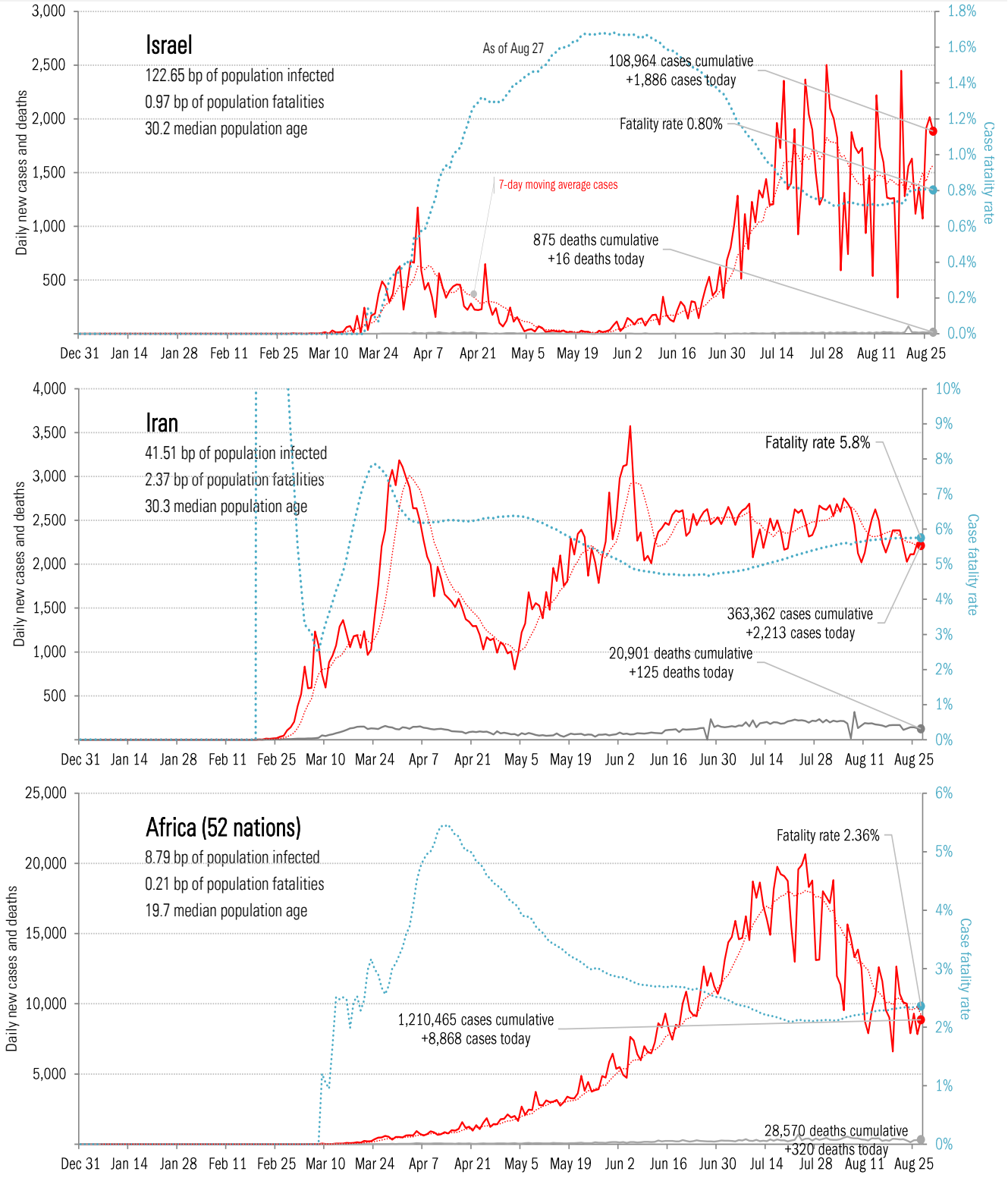
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations