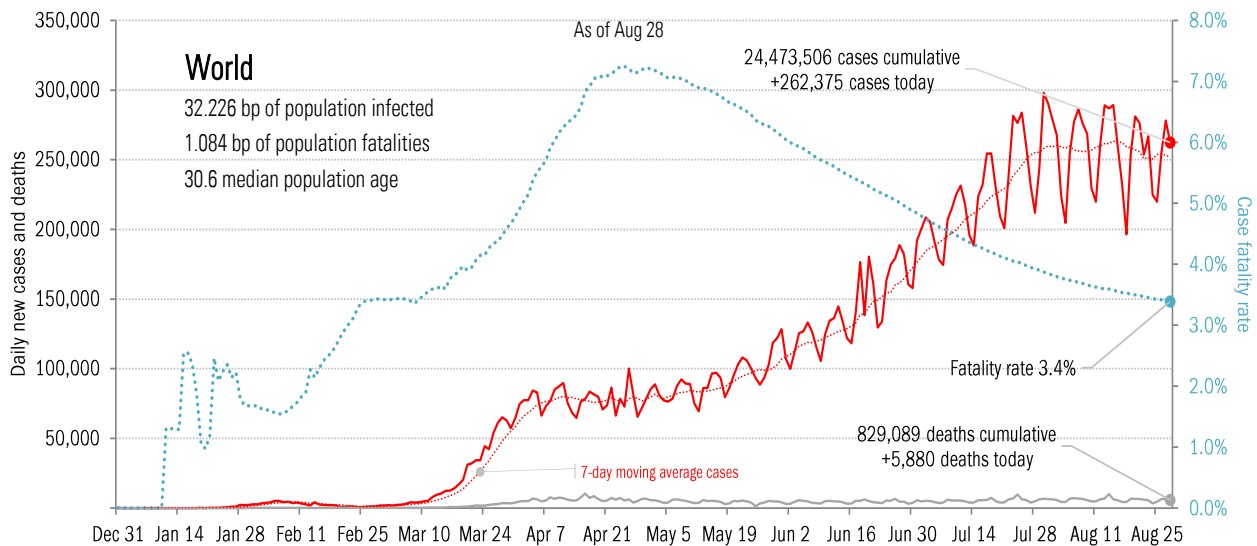
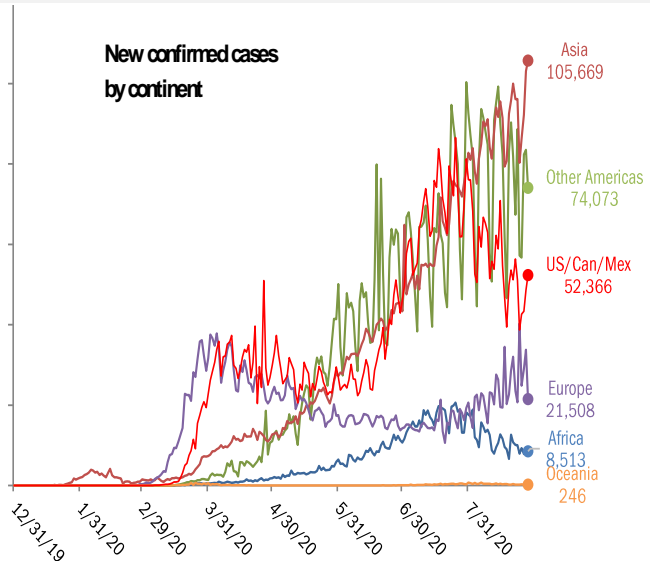


Data Insights: Covid-2019 Monitor

Friday, August 28, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+77,266	US	+1,110
US	+45,909	India	+1,057
Brazil	+44,235	Brazil	+984
Colombia	+9,752	Mexico	+518
Peru	+8,619	Colombia	+284
France	+6,111	Iran	+236
Mexico	+6,026	Peru	+153
Russia	+4,711	South_Africa	+126
Iran	+4,433	Russia	+121
Iraq	+3,651	Indonesia	+120
+210,713		+4,709	
World	+262,375	World	+5,880
Top ten	80%	Top ten	80%



Source: [ECDC](https://ecdc.europa.eu/en), TrendMacro calculations

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com

Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

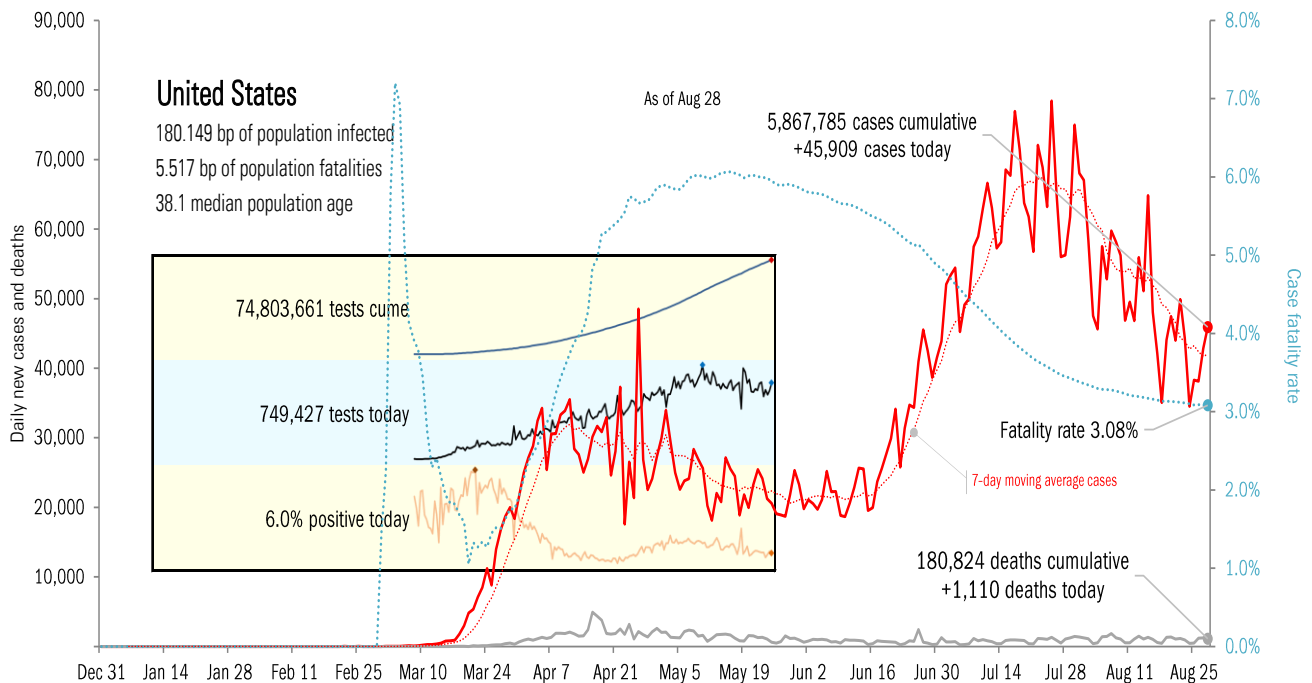
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
TX	+5,600	TX	+265	FL	+316	CA	683,529	NY	25,309	NY	89,995
CA	+4,430	CA	+143	GA	+188	FL	611,991	NJ	15,921	FL	38,163
FL	+3,269	FL	+139	IN	+142	TX	597,737	CA	12,550	GA	24,127
GA	+2,484	GA	+82	CH	+107	NY	432,131	TX	12,070	NJ	22,560
NC	+2,091	SC	+55	CT	+93	GA	263,074	FL	11,011	AZ	21,426
TN	+1,826	AZ	+33	VA	+86	IL	228,751	MA	9,007	VA	15,938
AL	+1,769	CH	+32	TN	+74	AZ	200,139	IL	8,186	MD	14,141
IL	+1,707	AL	+31	OK	+64	NJ	190,613	PA	7,635	AL	14,005
IA	+1,551	MS	+26	KY	+55	NC	161,076	MI	6,706	CH	13,150
MO	+1,512	TN	+25	MN	+52	TN	149,179	GA	5,393	MA	12,318
+26,239		+831		+1,177		3,518,220		113,788		265,823	
All states	+44,264	All states	+1,129	All states	+1,668	All states	5,837,507	All states	172,731	All states	365,993
Top ten	59%	Top ten	74%	Top ten	71%	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	
CA	-1,574	AZ	-71	AL	-212	TX	+6,331
KS	-1,536	MS	-32	FL	-54	TN	+1,651
VA	-823	LA	-31	IN	-46	CH	+1,212
IL	-450	VA	-21	KS	-43	IN	+1,002
MS	-319	FL	-16	CO	-41	OK	+772



Source: States and test data [Covid Tracking Project](#), US data [ECDC](#), TrendMacro calculations

Recommended reading

[Most Approve of National Response to COVID-19 in 14 Advanced Economies](#)

Kat Devlin and Aidan Connaughton
Pew Research Center
August 27, 2020

[US and UK are bottom of the pile in rankings of governments' handling of coronavirus pandemic](#)

Richard Allen Greene
CNN
August 27, 2020

[Department of Justice Requesting Data From Governors of States that Issued COVID-19 Orders that May Have Resulted in Deaths of Elderly Nursing Home Residents](#)

Department of Justice
August 26, 2020

[44% of Californians report clinical levels of anxiety, depression during COVID-19 pandemic](#)

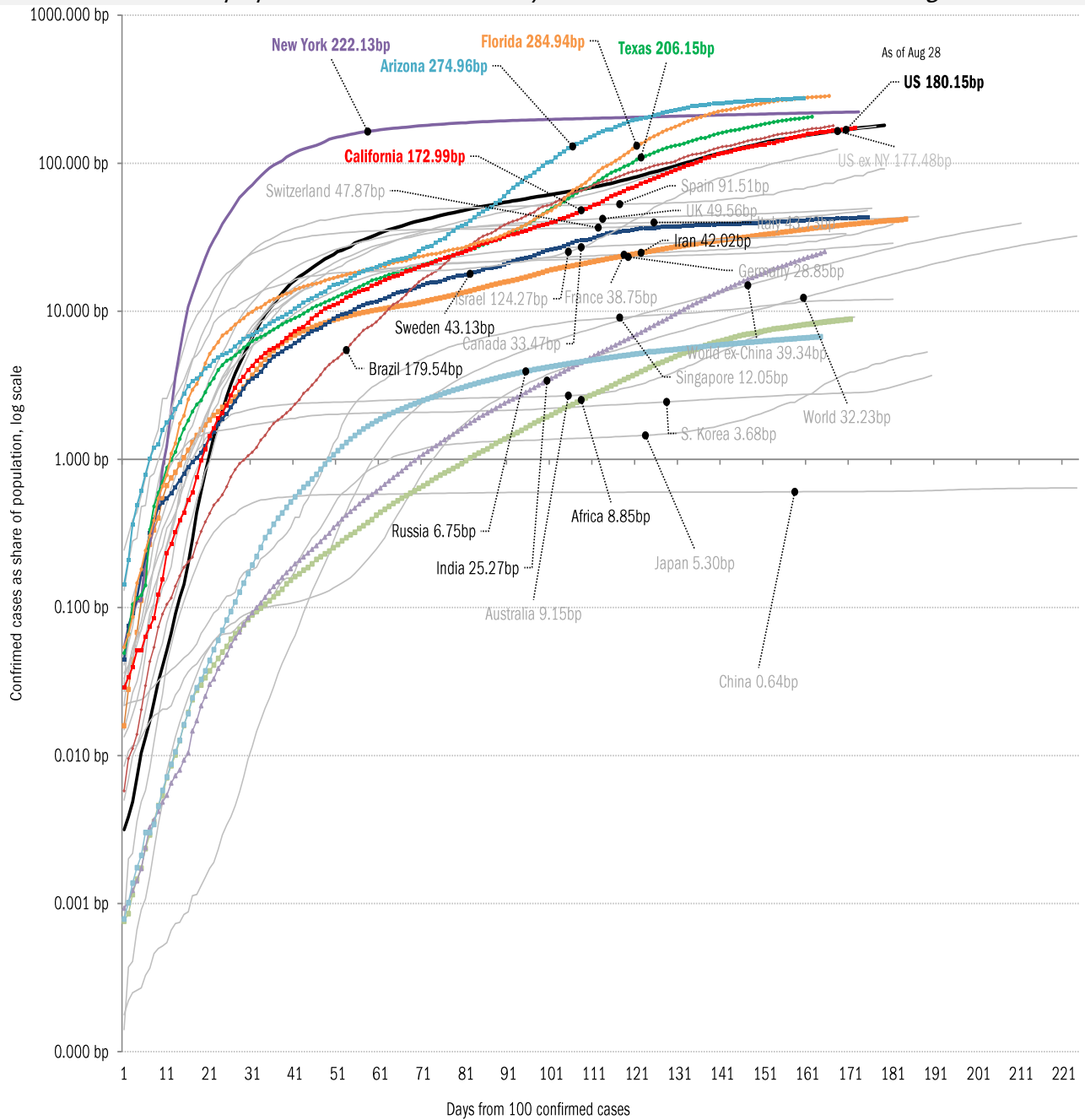
Los Angeles Times
August 25, 2020

Meme of day



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

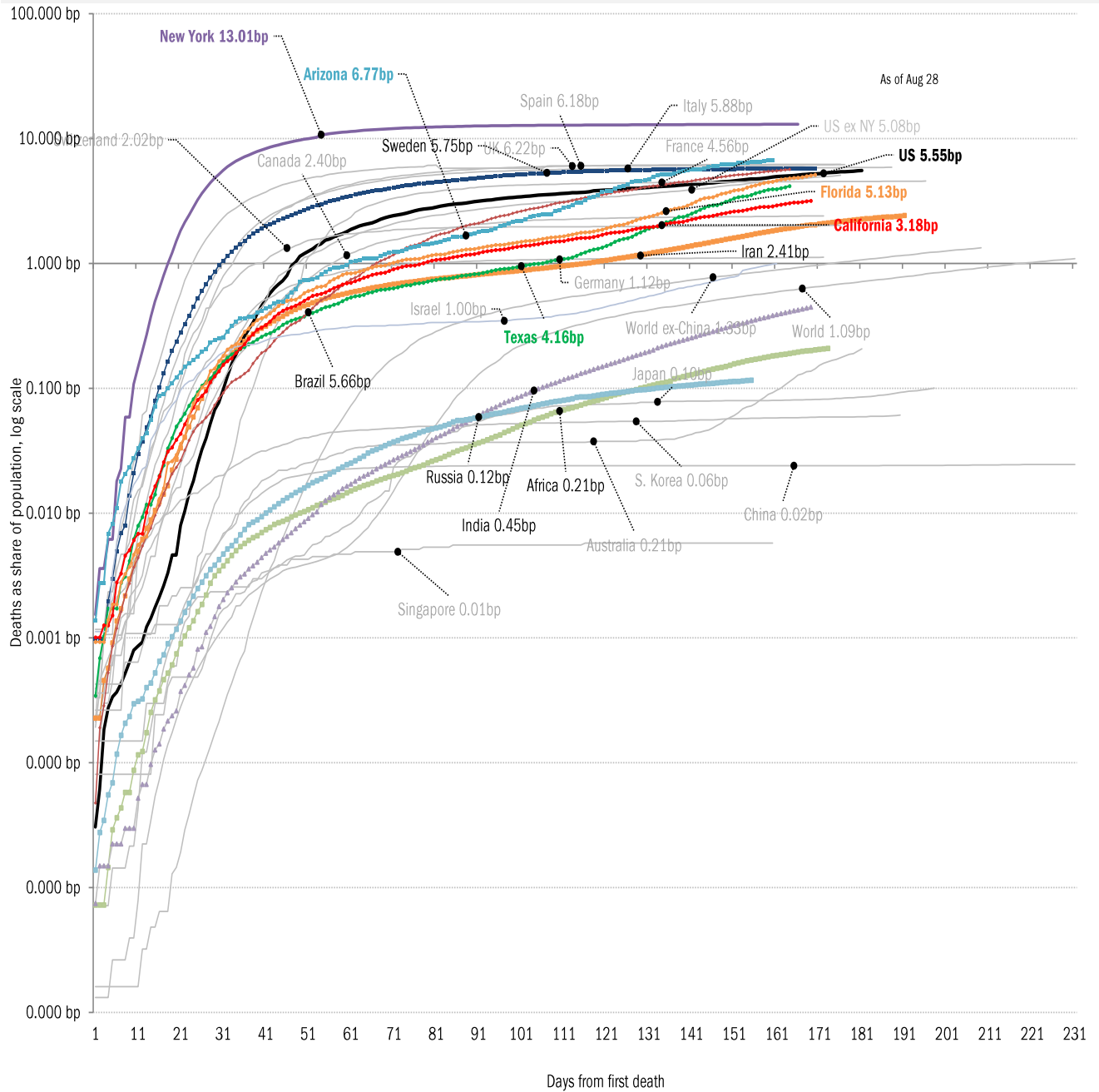
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

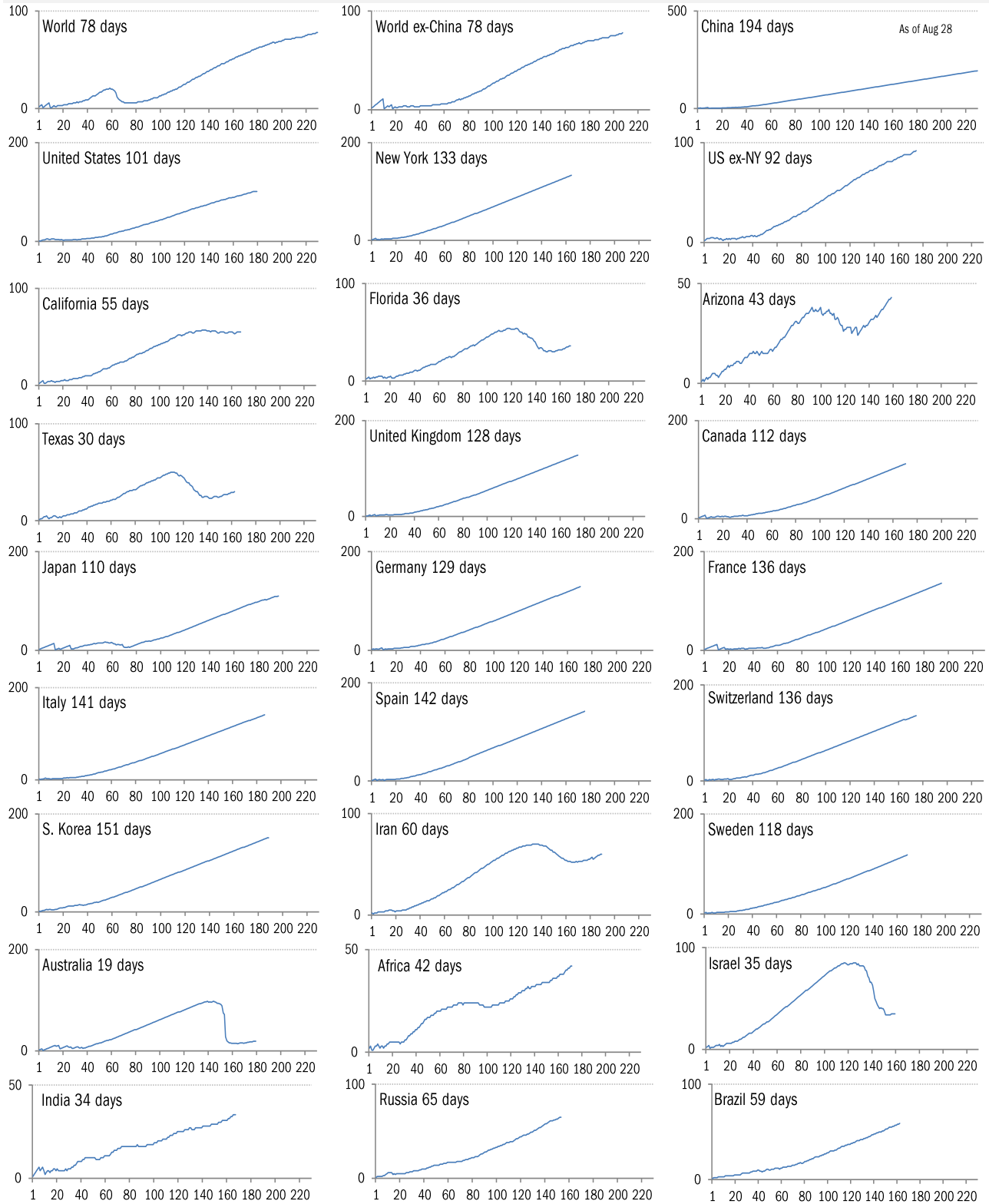


Source: [ECDC](#), TrendMacro calculations

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

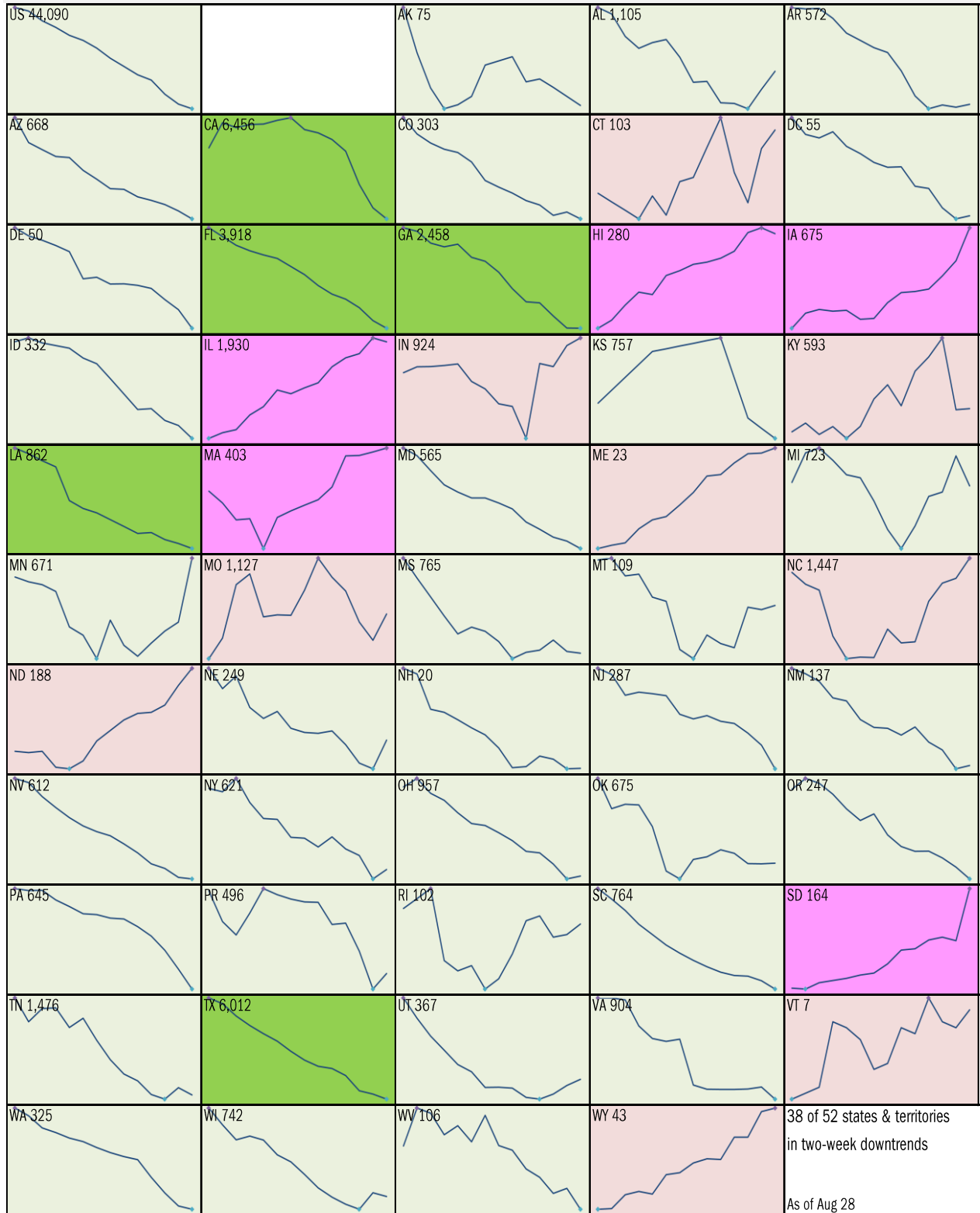


Source: [ECDC](https://www.ecdc.europa.eu/en), TrendMacro calculations

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

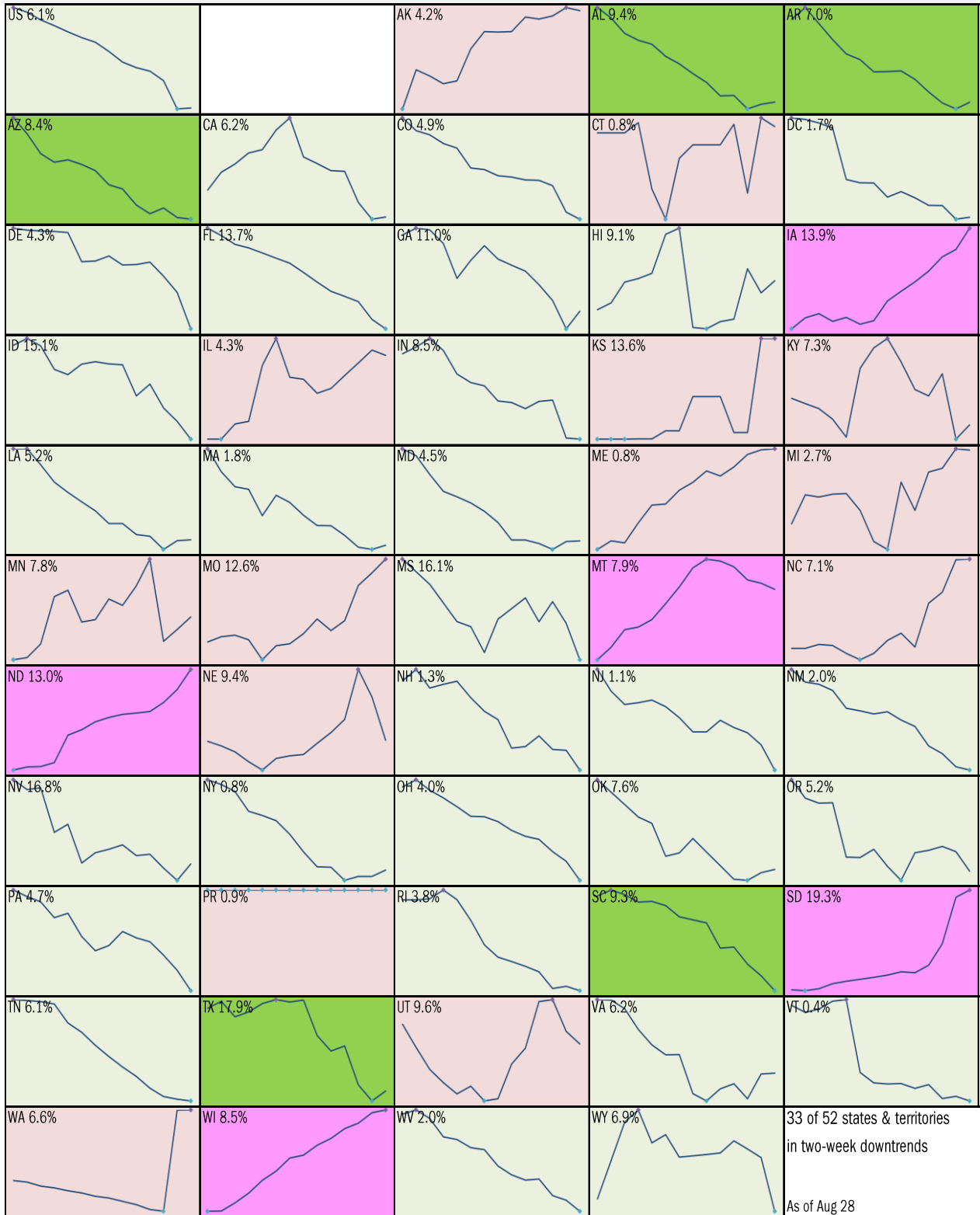
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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



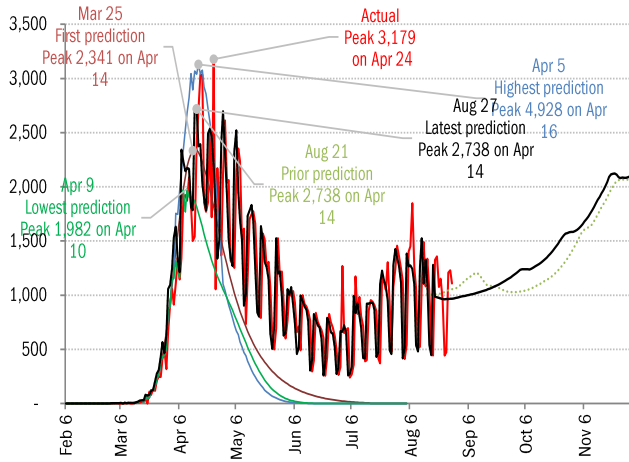
Source: [Covid Tracking Project](#), TrendMacro calculations

Reality-checking the models: actuals versus [IHME](#) predictions

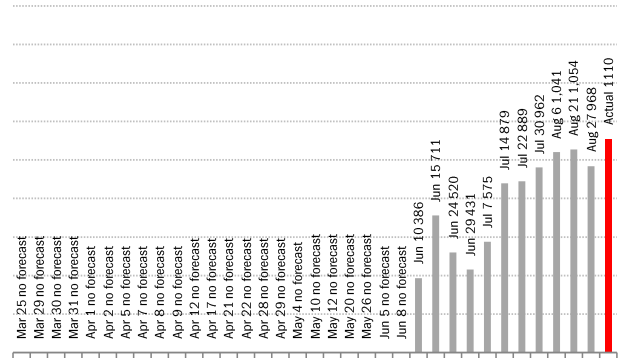
New daily fatalities

As of Aug 28

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

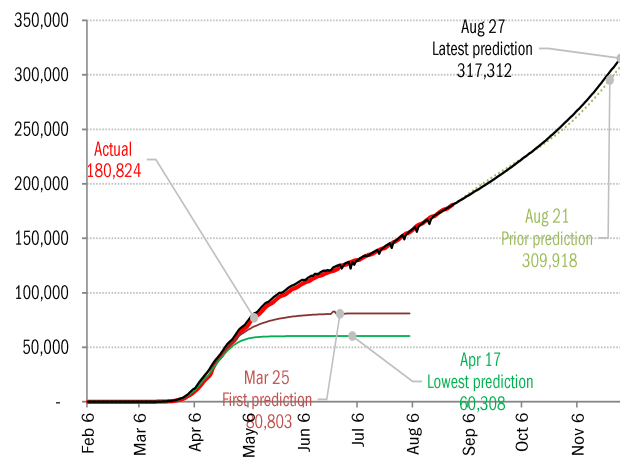


For this day, versus all model mean predictions

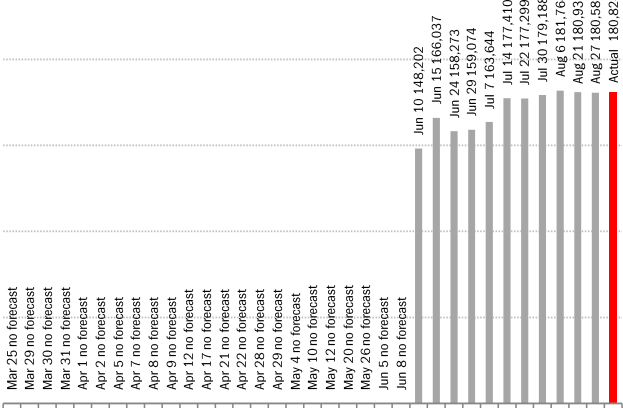


Cumulative fatalities

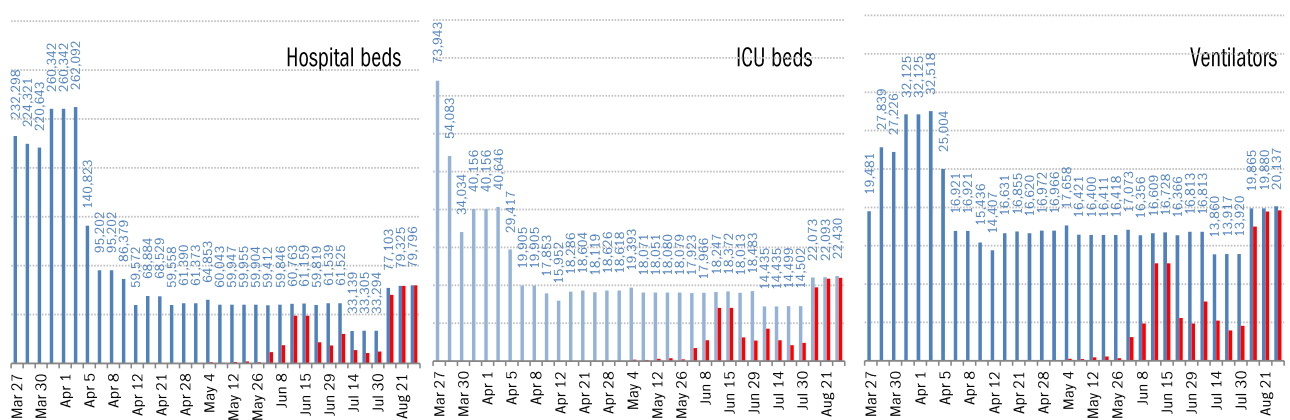
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

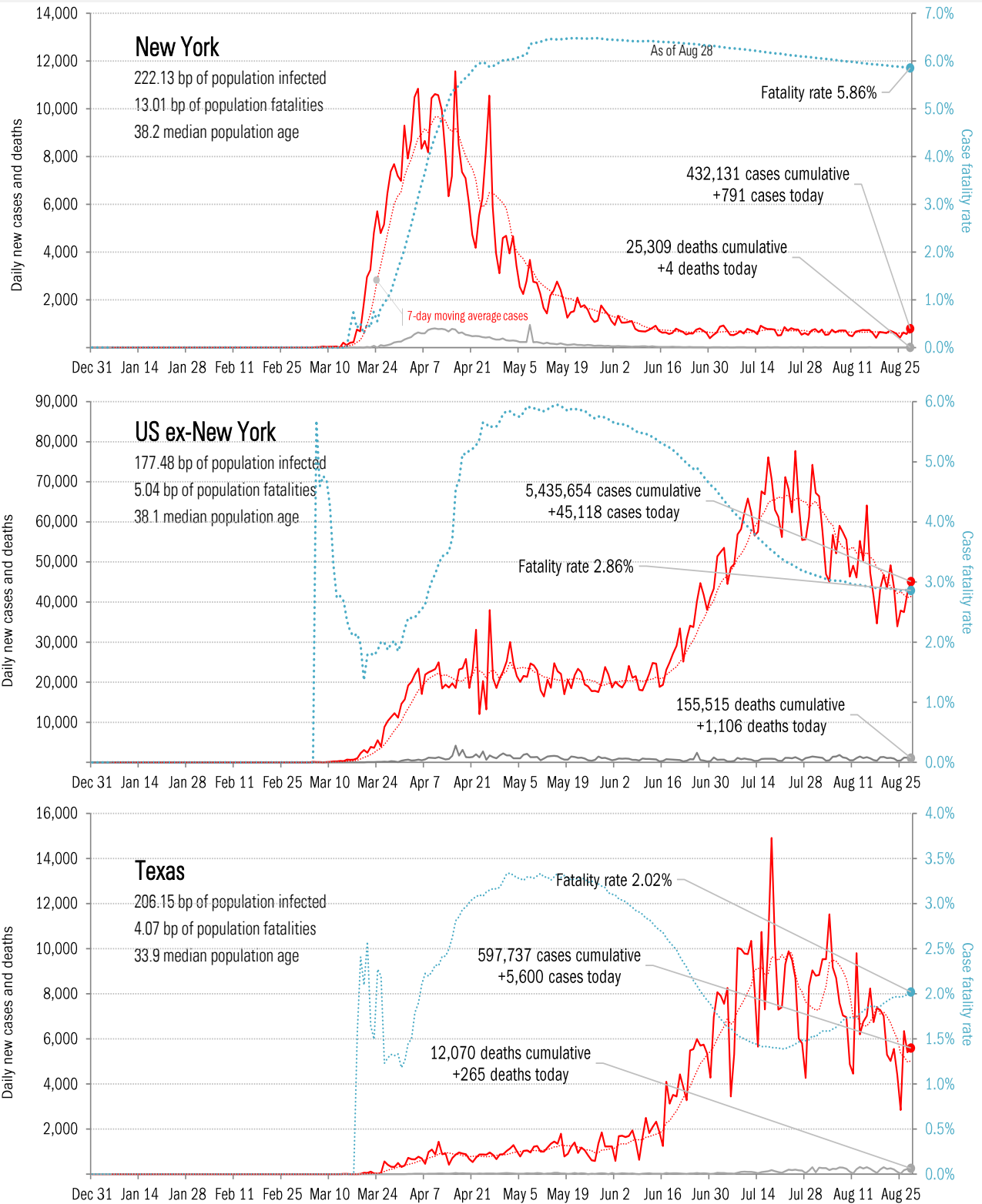


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



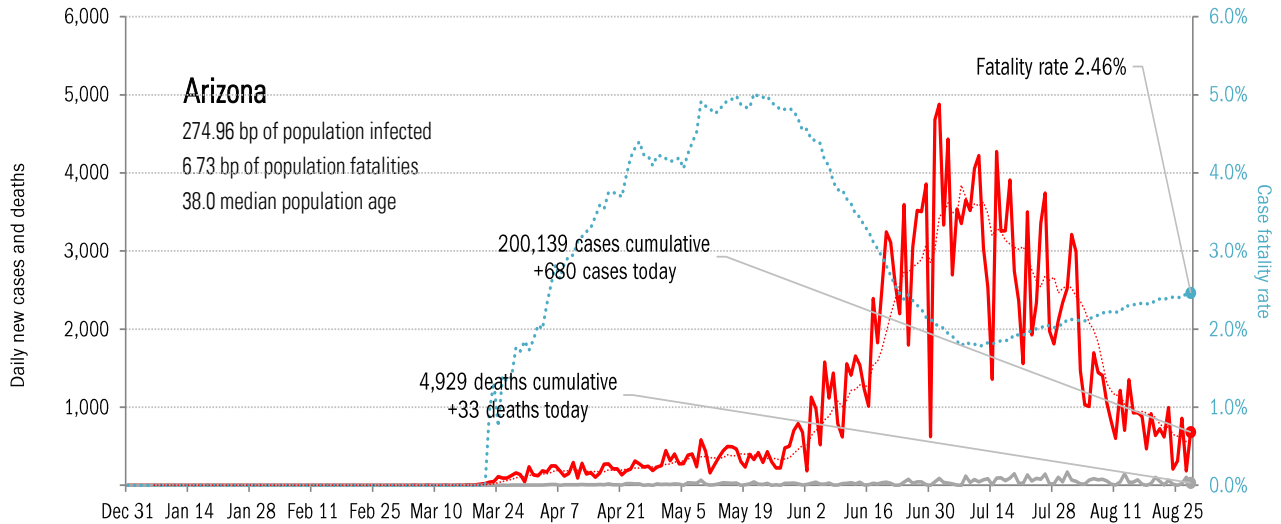
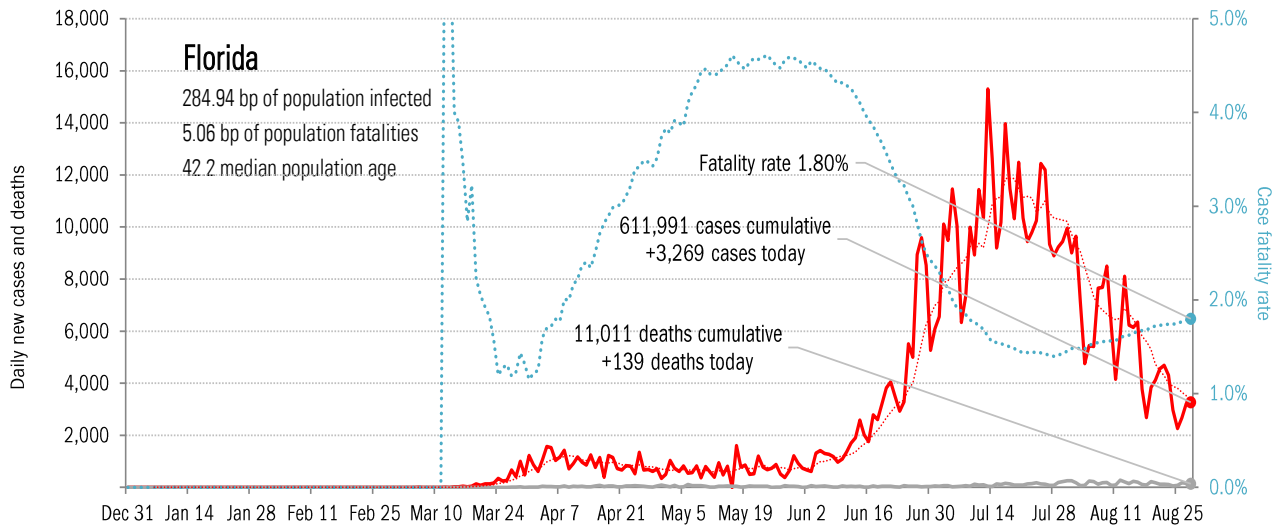
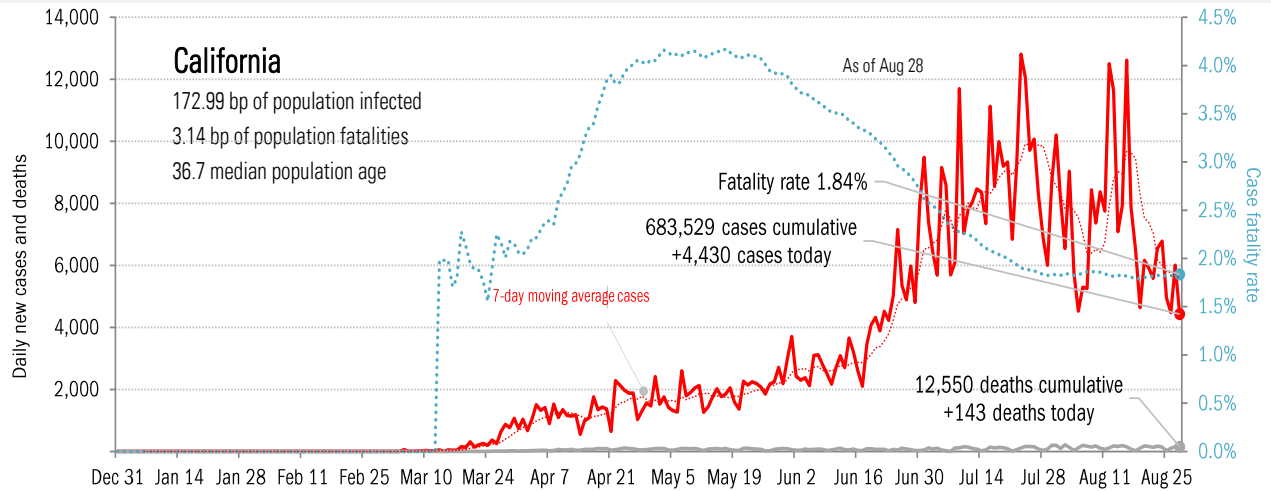
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



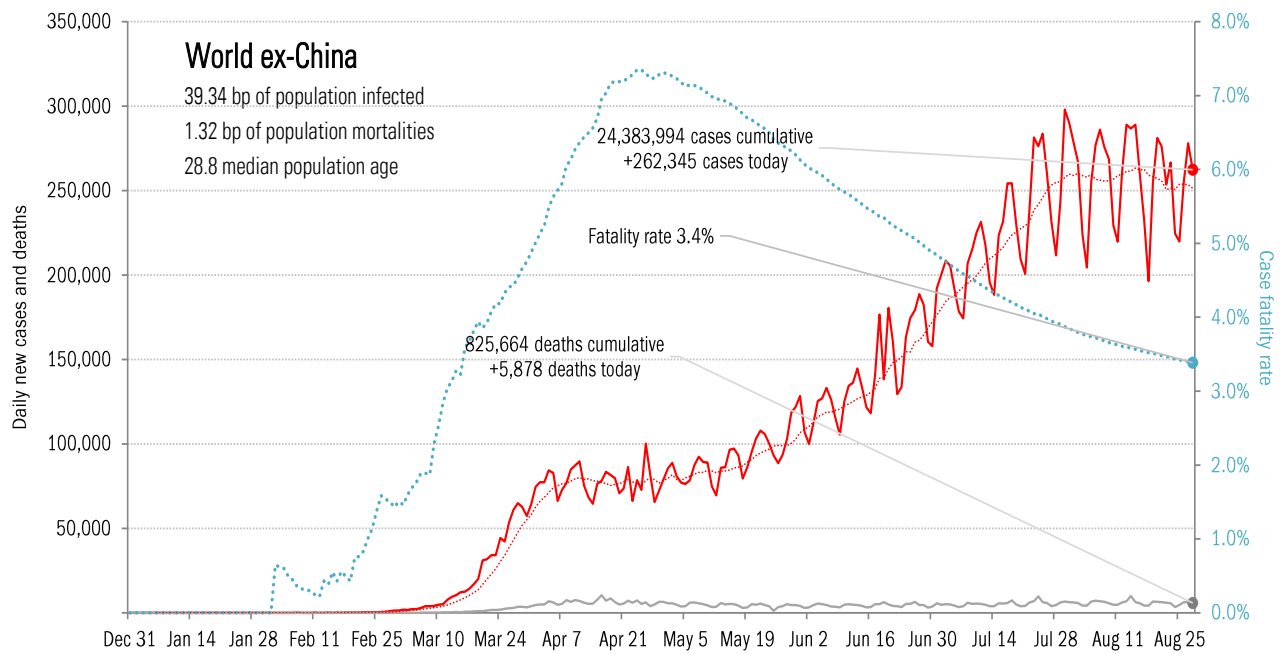
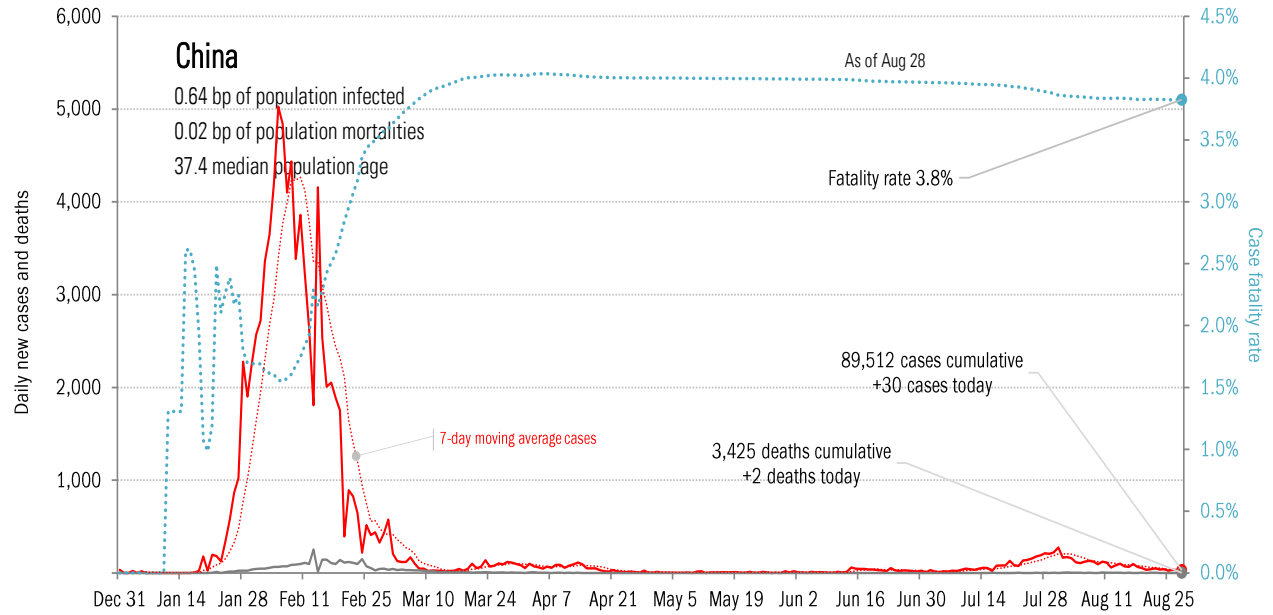
Source: [ECDC](#), TrendMacro calculations

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



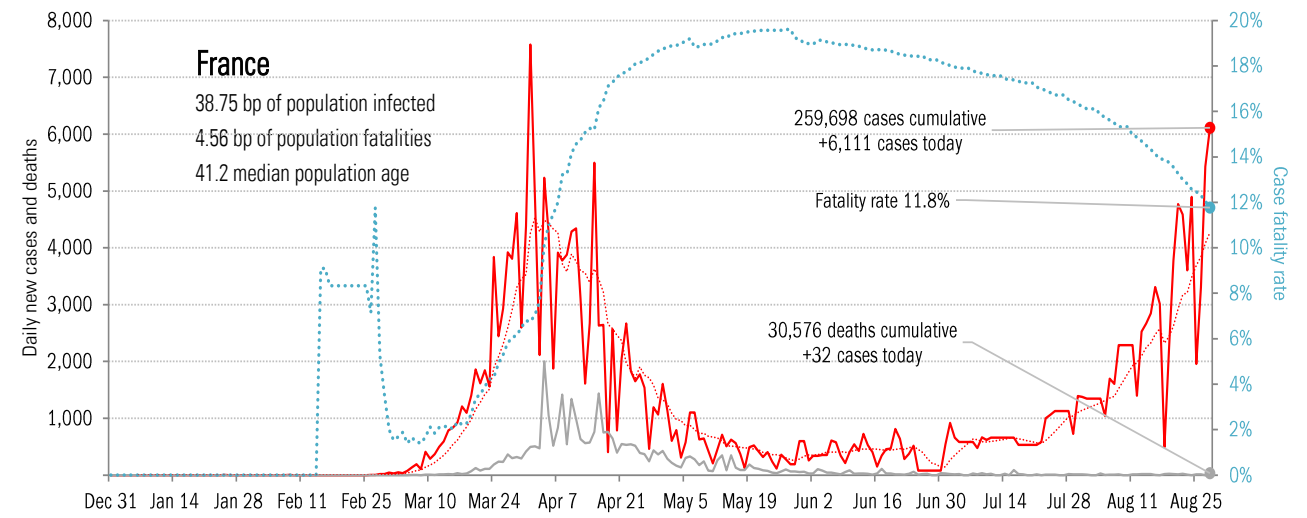
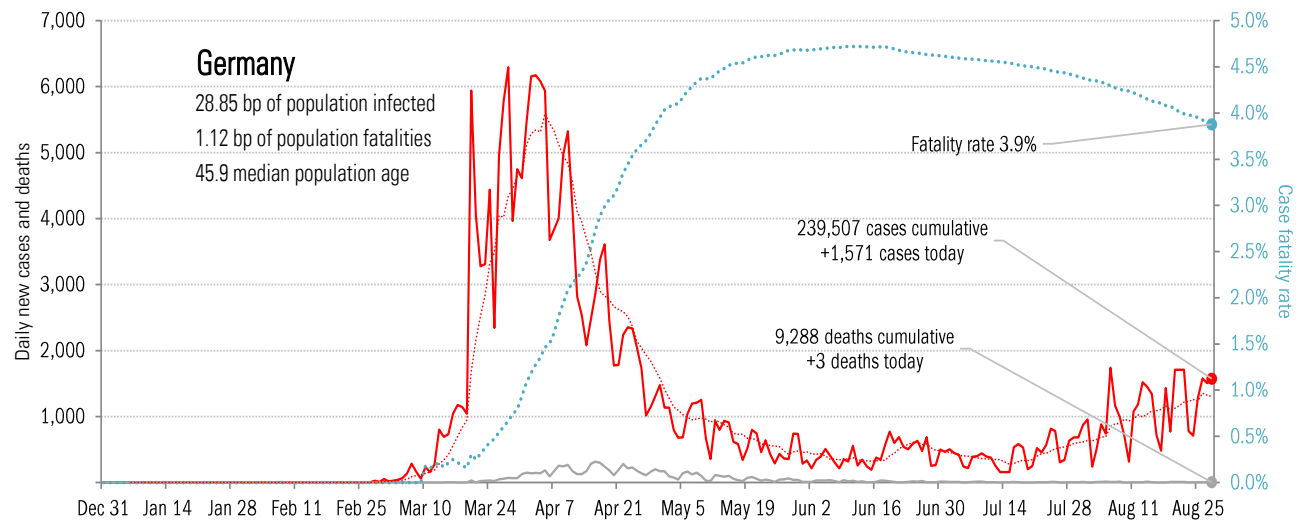
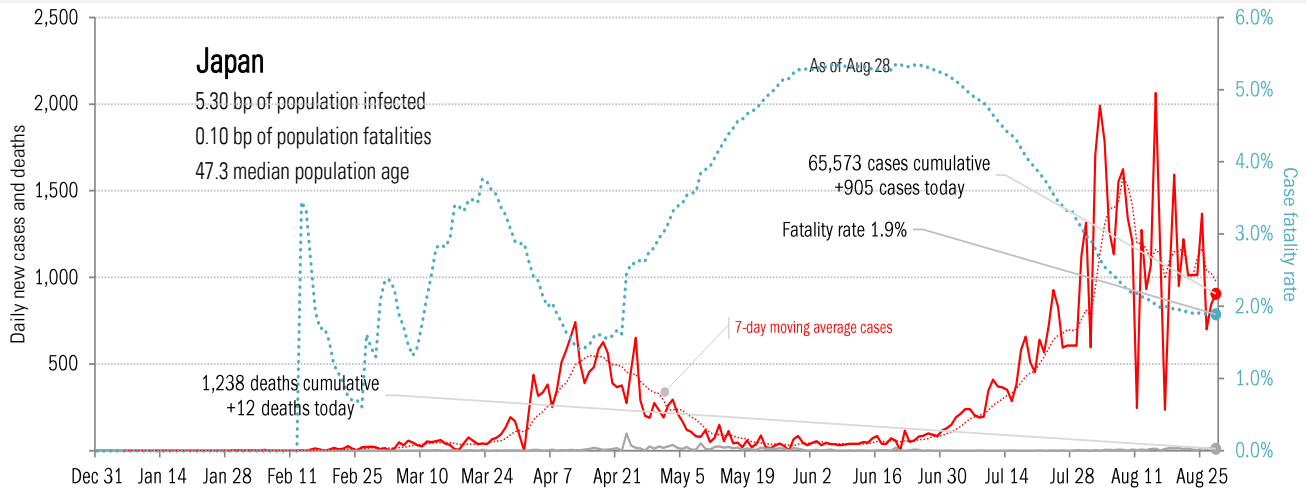
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



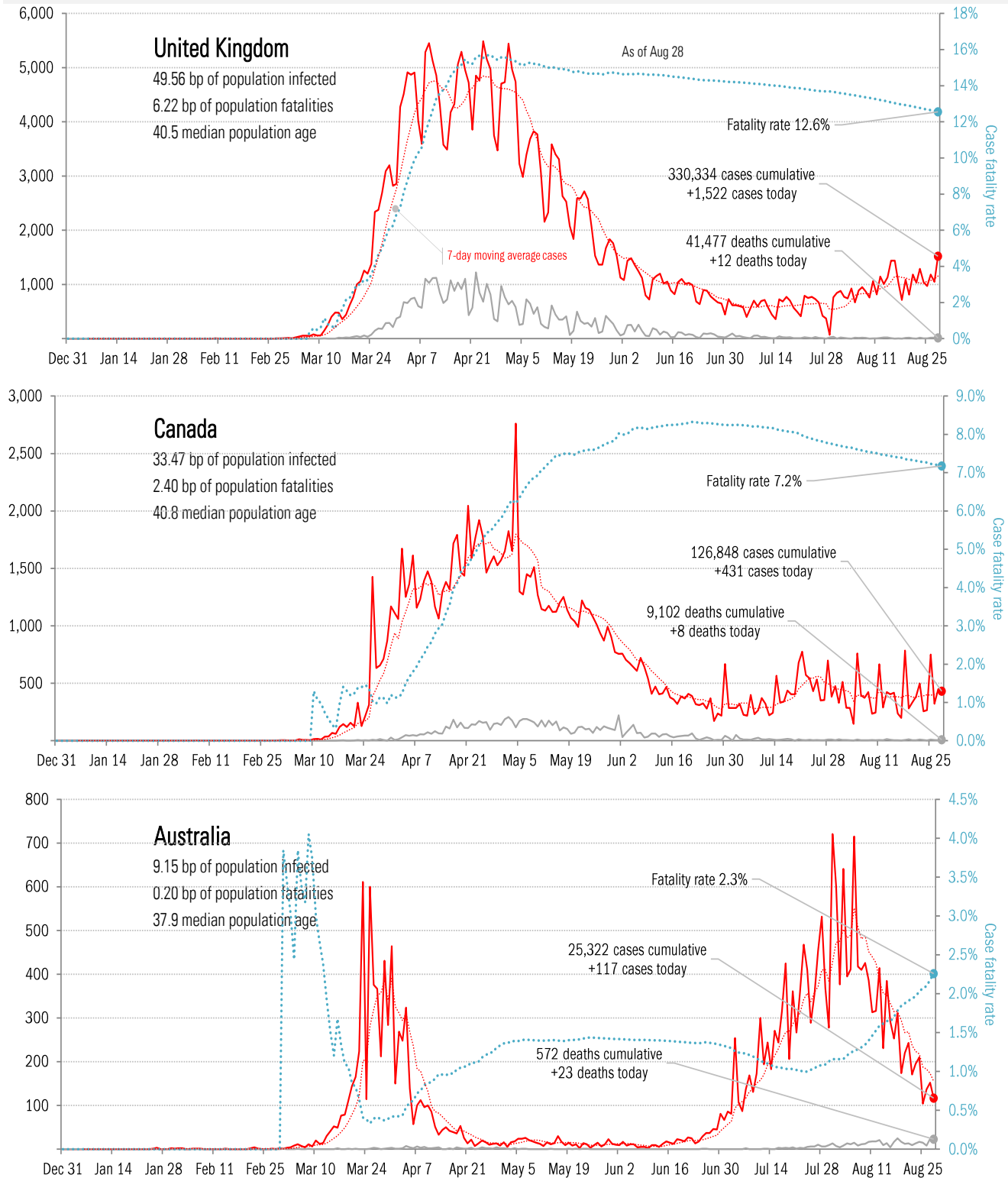
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



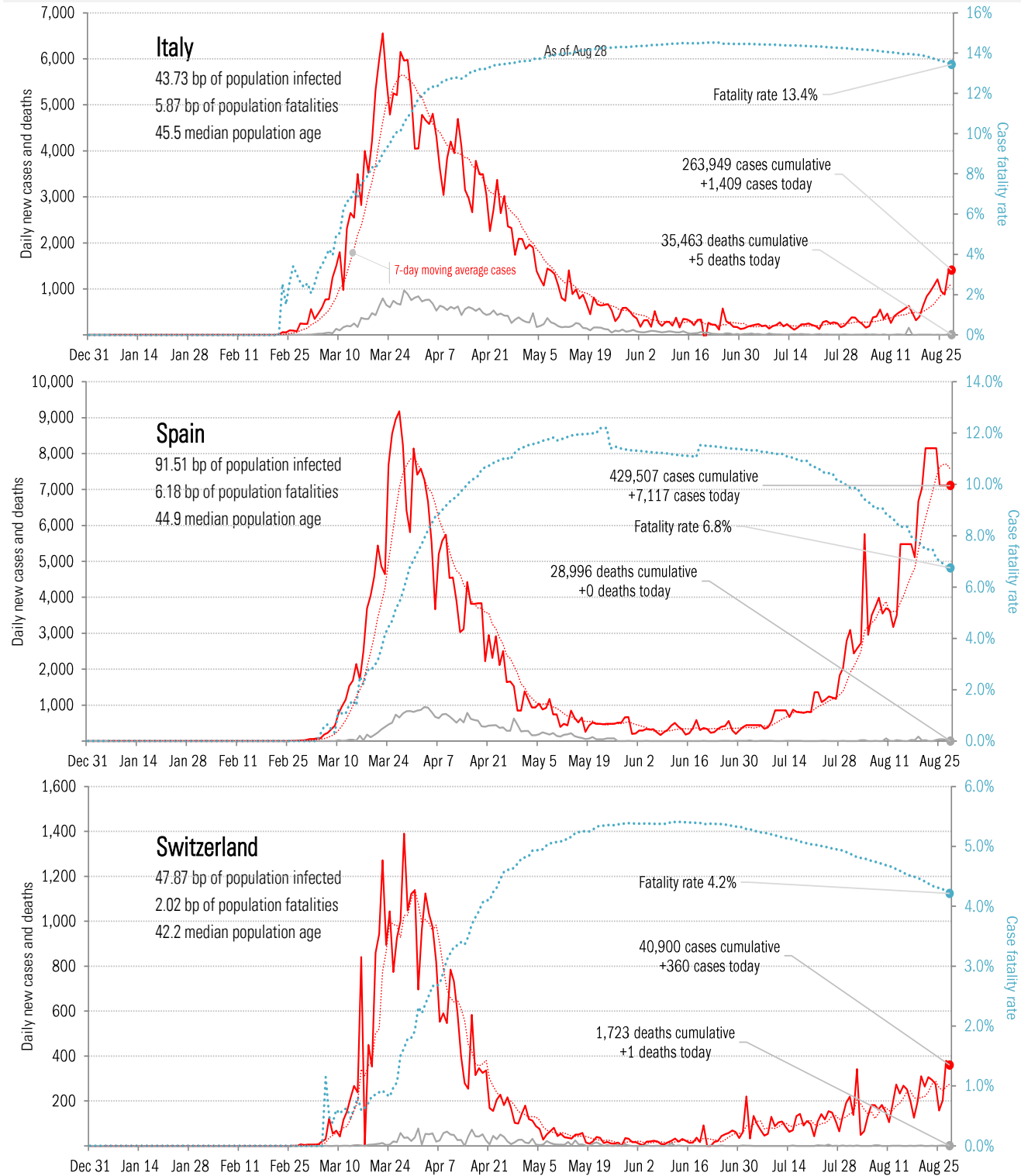
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



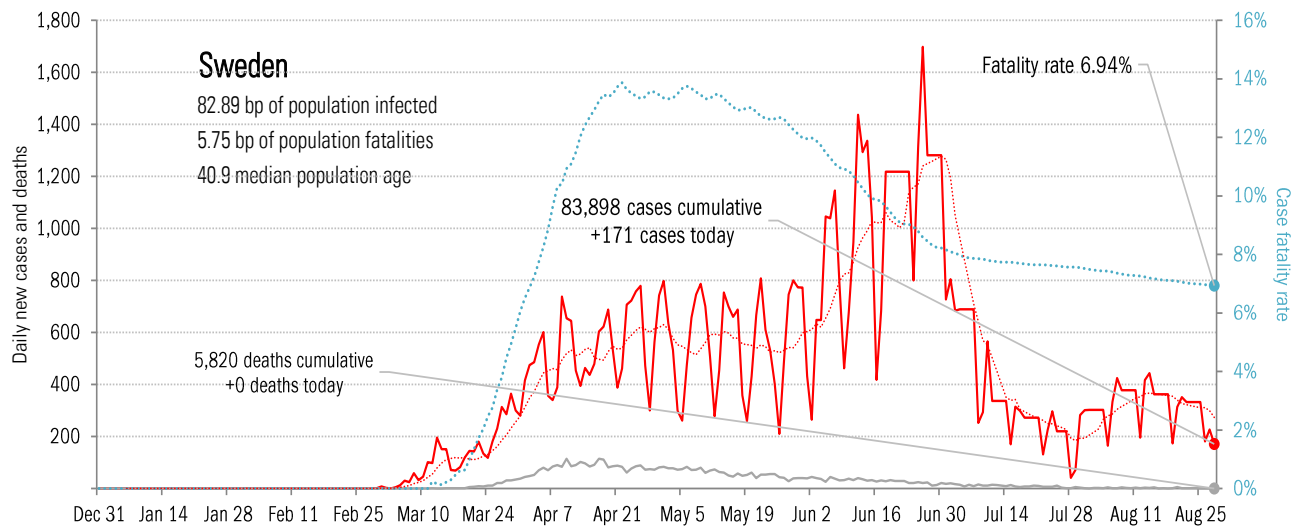
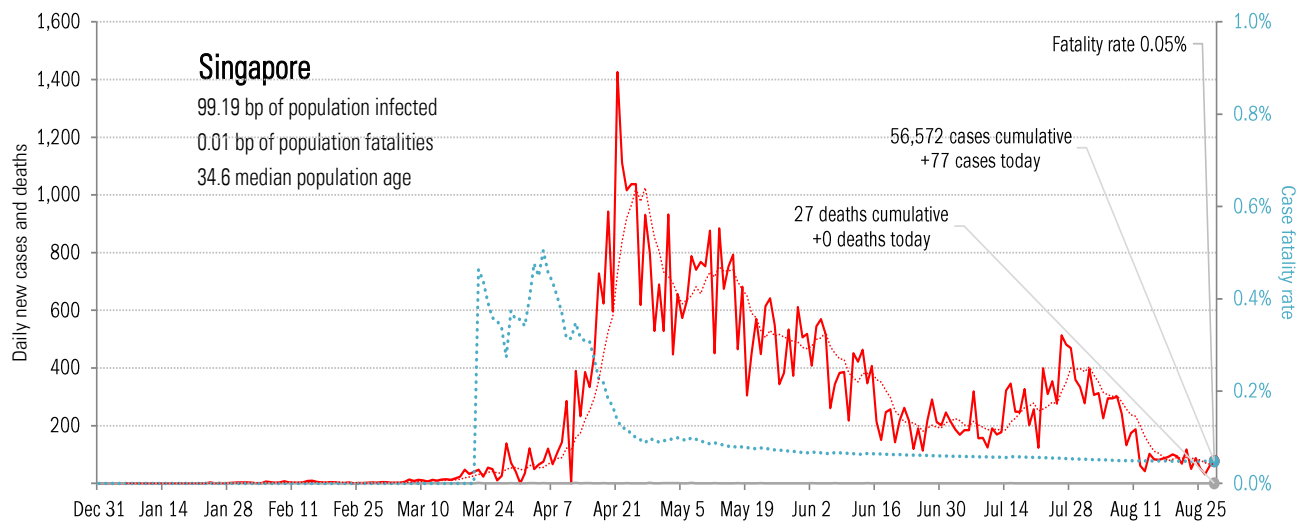
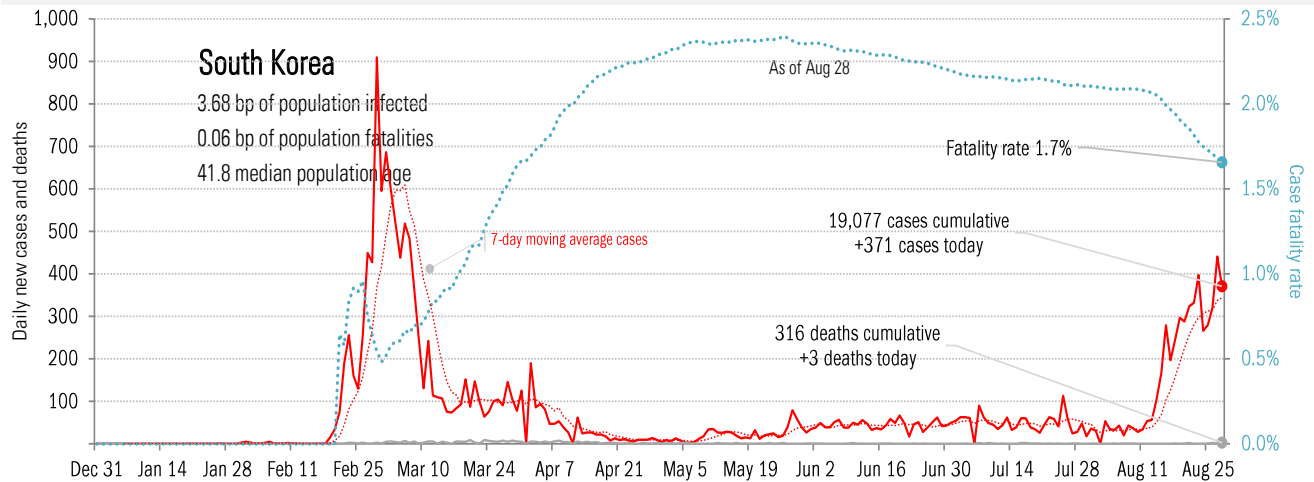
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



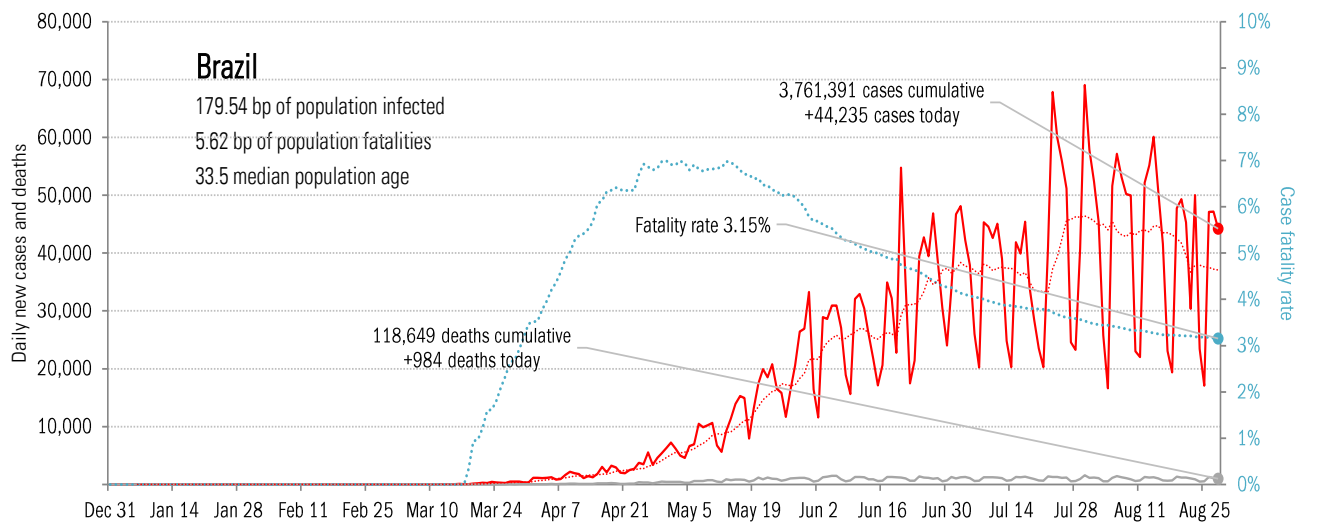
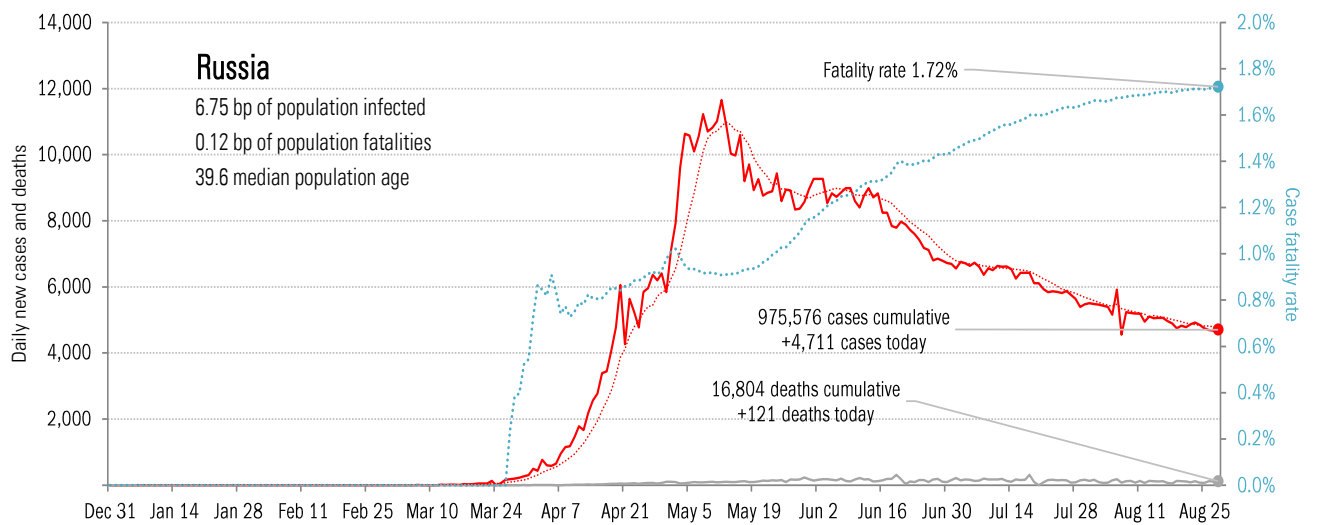
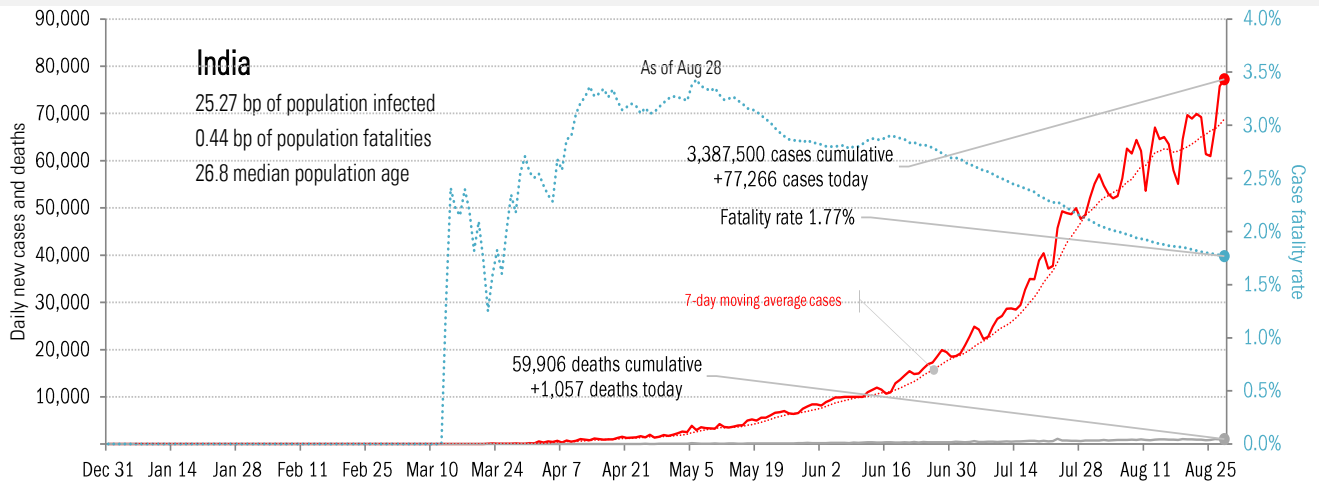
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



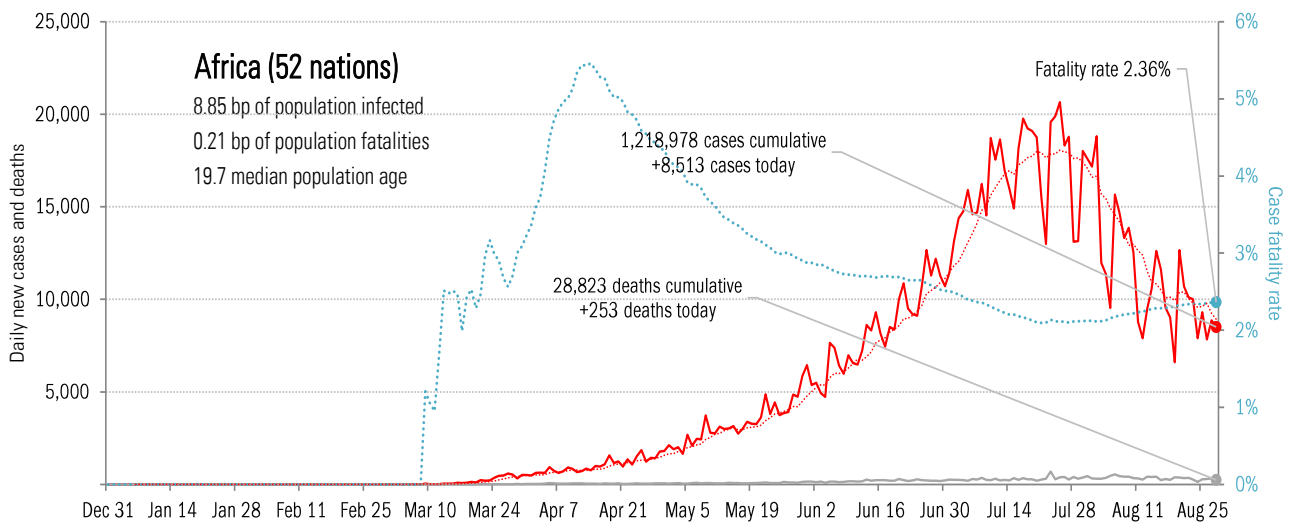
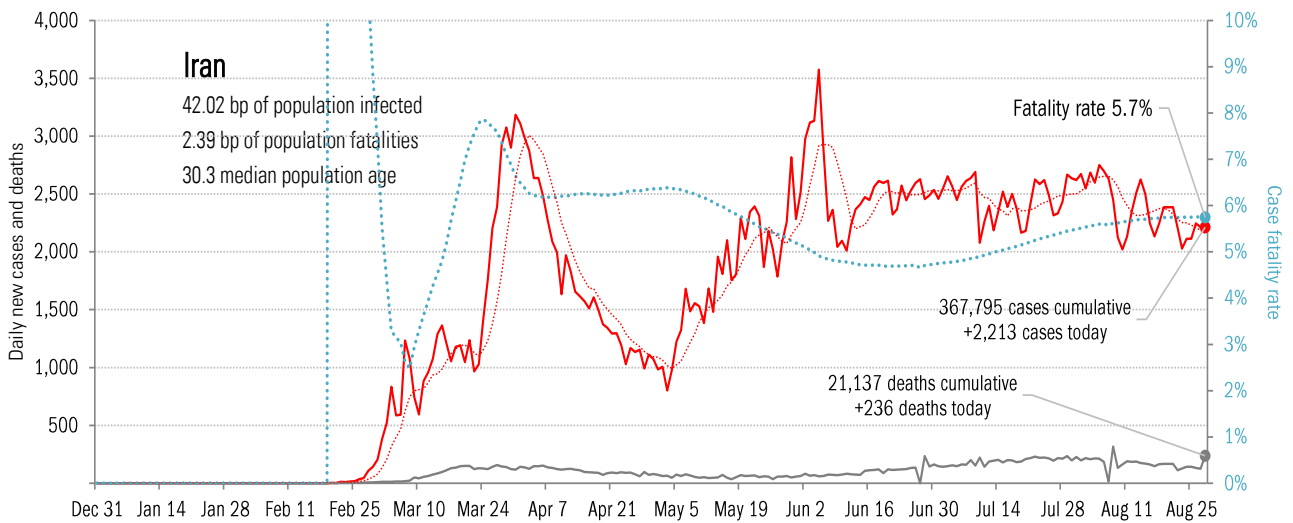
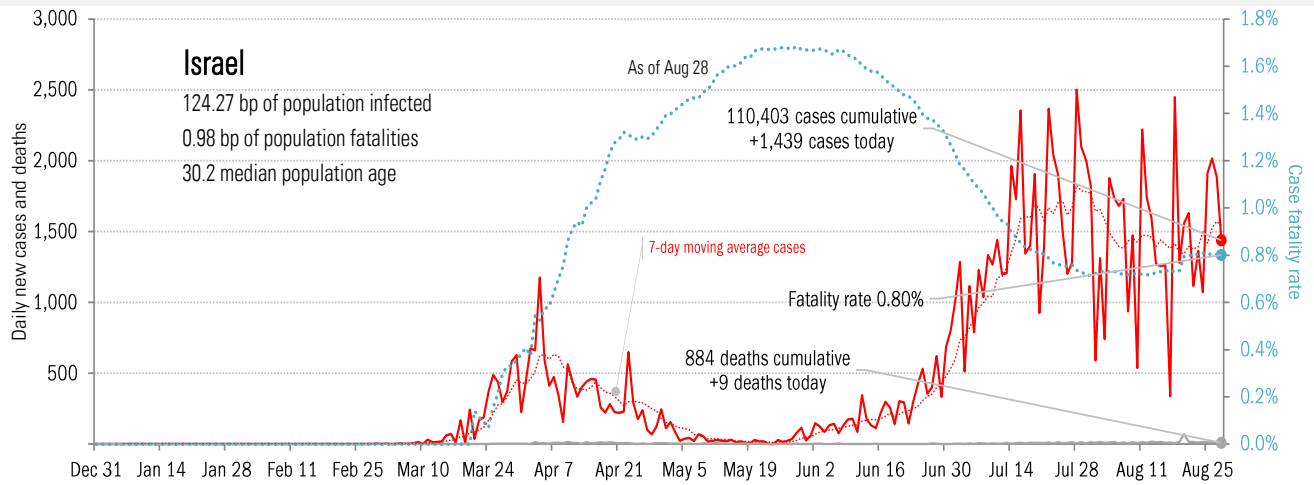
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations