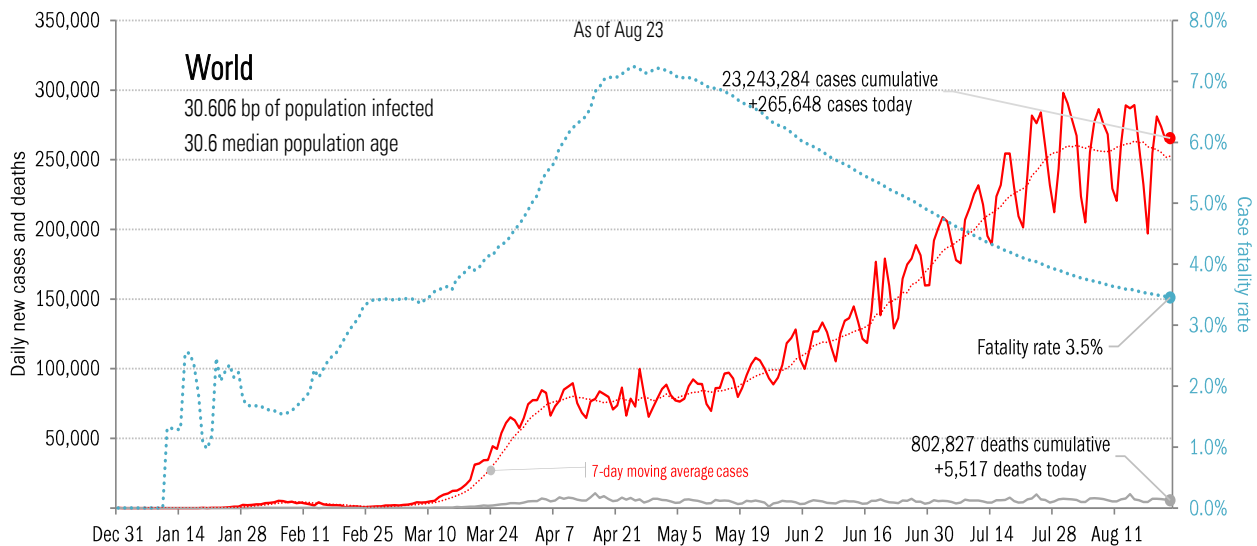
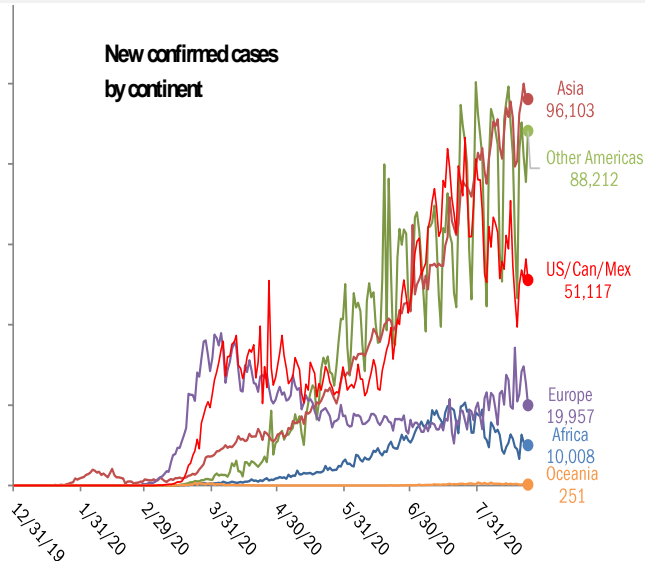


Data Insights: Covid-2019 Monitor

Sunday, August 23, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+69,239	US	+956
Brazil	+50,032	India	+912
US	+44,378	Brazil	+892
Colombia	+10,965	Mexico	+644
Peru	+9,169	Colombia	+400
Argentina	+7,759	Peru	+208
Mexico	+6,482	South_Africa	+144
Russia	+4,921	Iran	+126
Philippines	+4,884	Russia	+121
Iraq	+3,965	Argentina	+118
+211,794		+4,521	
World	+265,648	World	+5,517
Top ten	80%	Top ten	82%



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

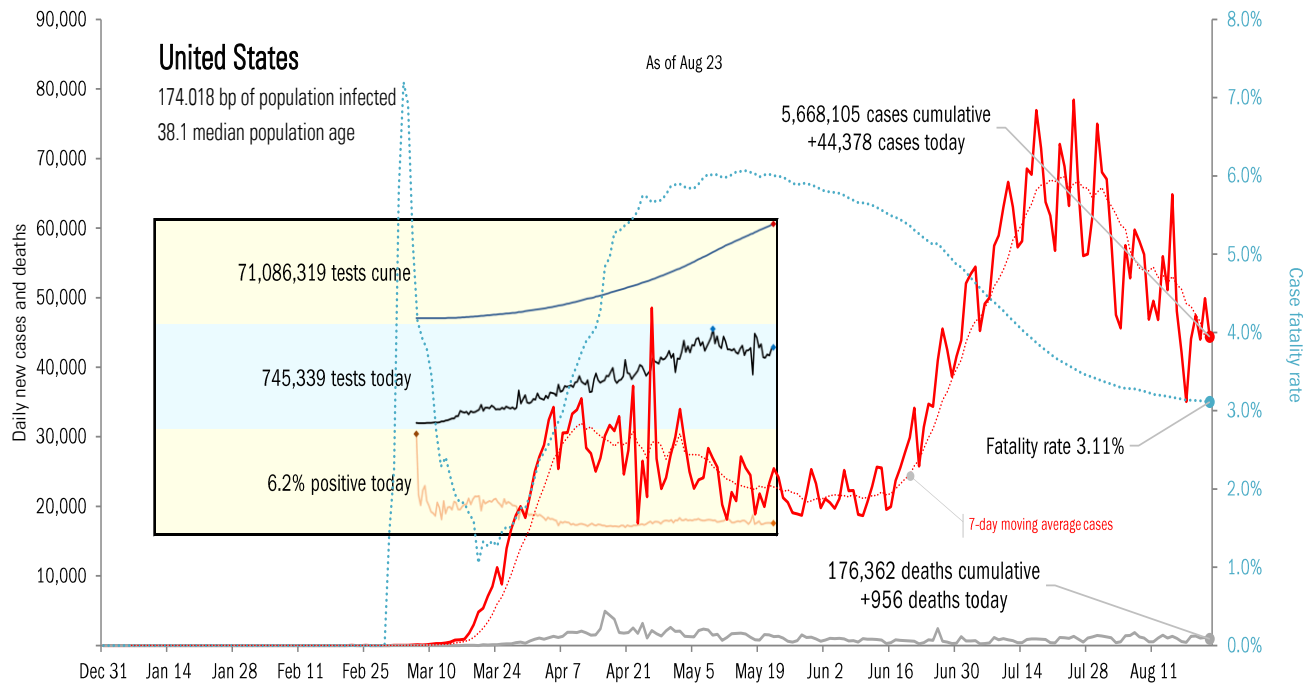
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
CA	+6,556	TX	+215	FL	+339	CA	656,892	NY	25,282	NY	89,995
TX	+5,559	CA	+167	GA	+200	FL	597,597	NJ	15,943	FL	36,764
FL	+4,311	FL	+107	AL	+172	TX	573,139	CA	11,988	GA	23,325
GA	+2,592	GA	+94	IN	+87	NY	429,165	TX	11,266	NJ	22,445
IL	+2,356	AZ	+68	TN	+73	GA	252,222	FL	10,411	AZ	21,271
AL	+1,762	SC	+34	WA	+69	IL	219,702	MA	8,921	VA	15,507
NC	+1,729	NC	+27	AZ	+61	AZ	197,895	IL	8,083	MD	13,864
MI	+1,426	MS	+23	CH	+59	NJ	189,236	PA	7,576	AL	13,502
MO	+1,293	AL	+21	AR	+52	NC	153,641	MI	6,655	CH	12,778
TN	+1,239	MI	+21	NJ	+52	TN	142,083	GA	5,092	MA	12,256
+28,823		+777		+1,164		3,411,572		111,217		261,707	
All states	+46,295	All states	+1,024	All states	+1,520	All states	5,639,613	All states	168,286	All states	358,613
Top ten	62%	Top ten	76%	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	
KS	-966	LA	-50	SC	-293	TX	+7,205
LA	-899	TN	-47	VA	-100	MI	+4,802
KY	-639	TX	-43	KS	-69	CH	+1,178
TN	-430	SC	-24	GA	-45	WI	+878
FL	-373	CO	-15	CH	-45	MN	+778



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

Recommended reading

[Renowned EU Scientist: COVID-19 Was Engineered In China Lab, Effective Vaccine "Unlikely"](#)

Tyler Durden

Zero Hedge

August 21, 2020

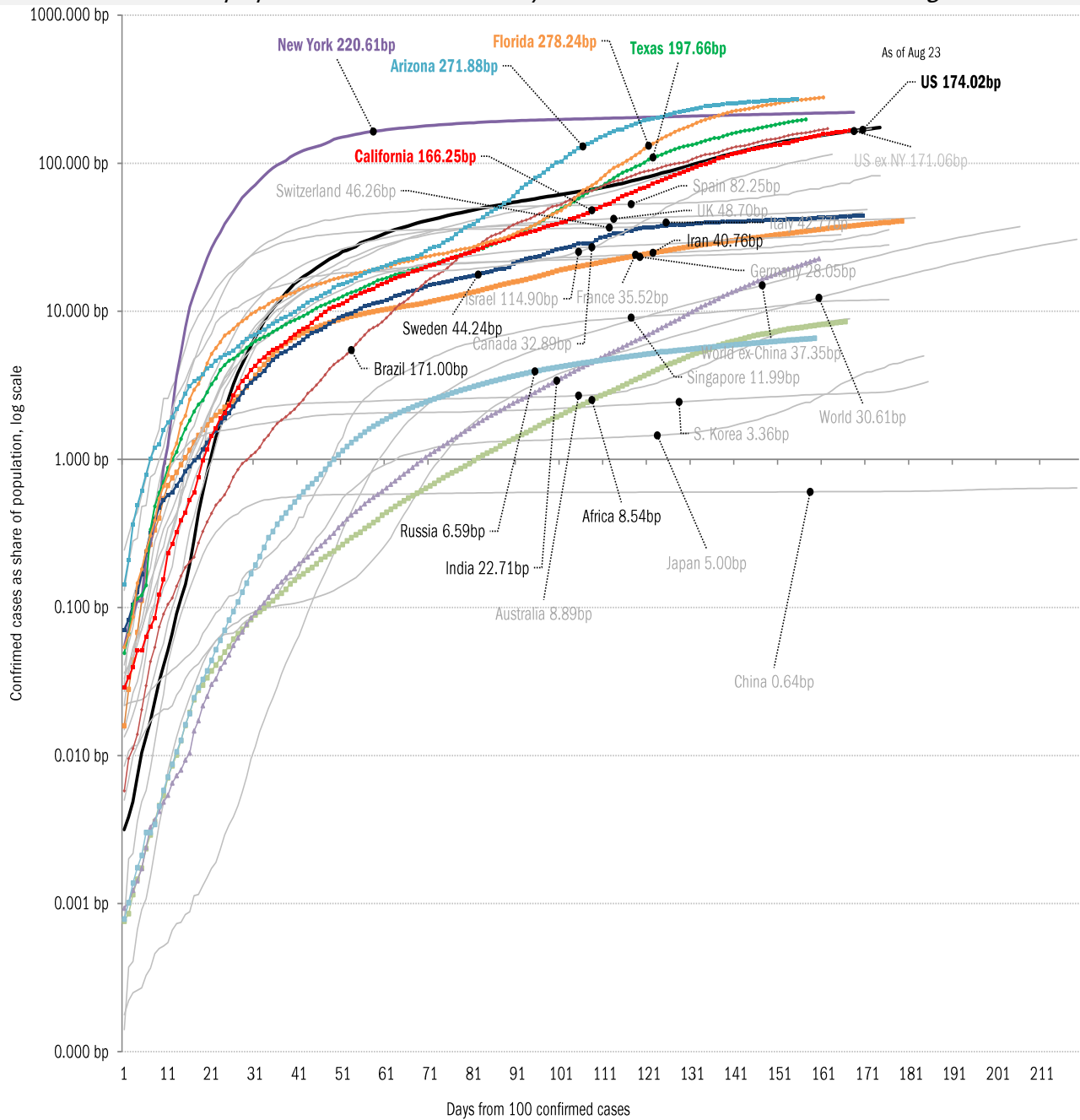
Meme of day

Kentucky Derby 2020



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

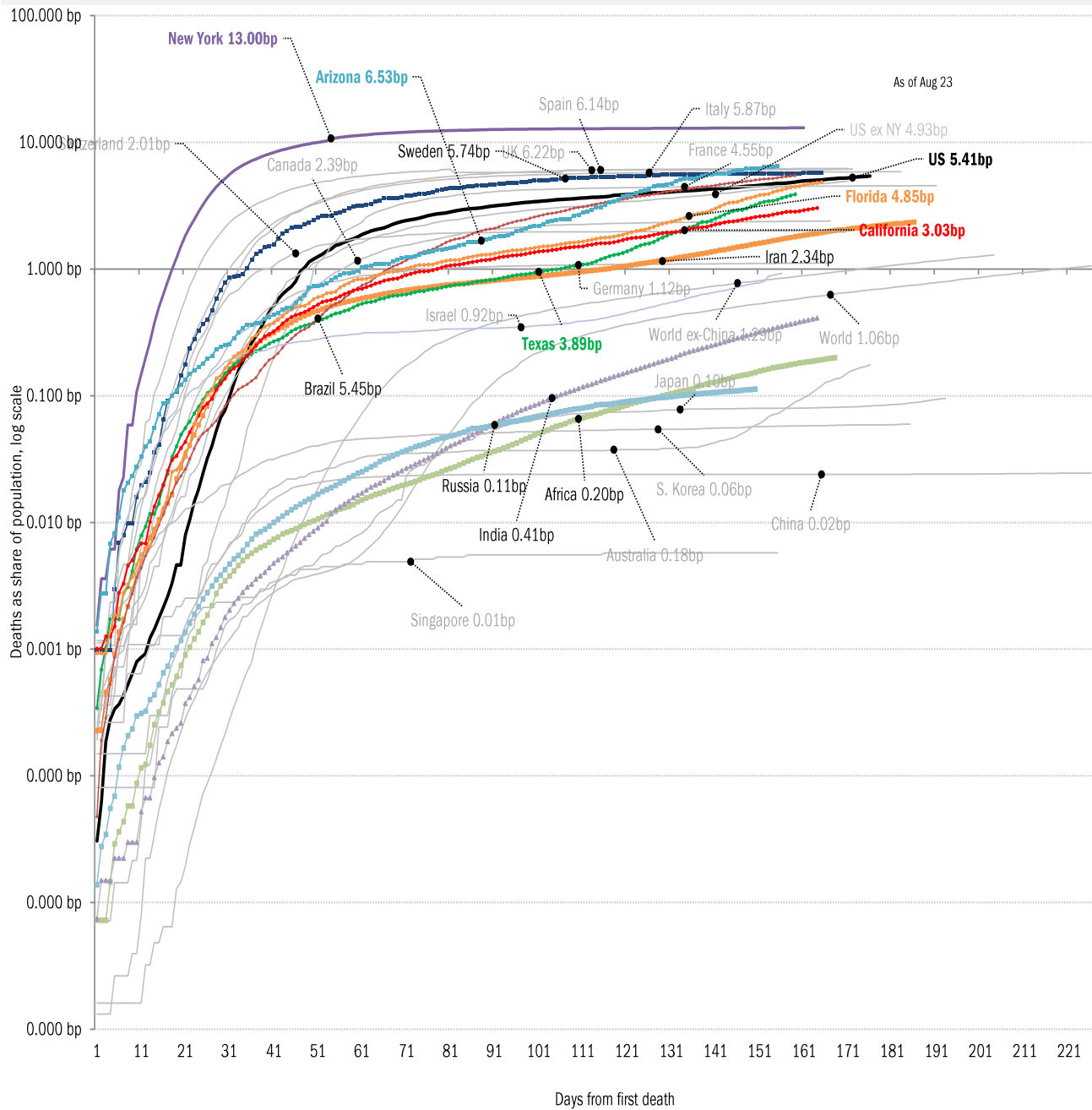
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

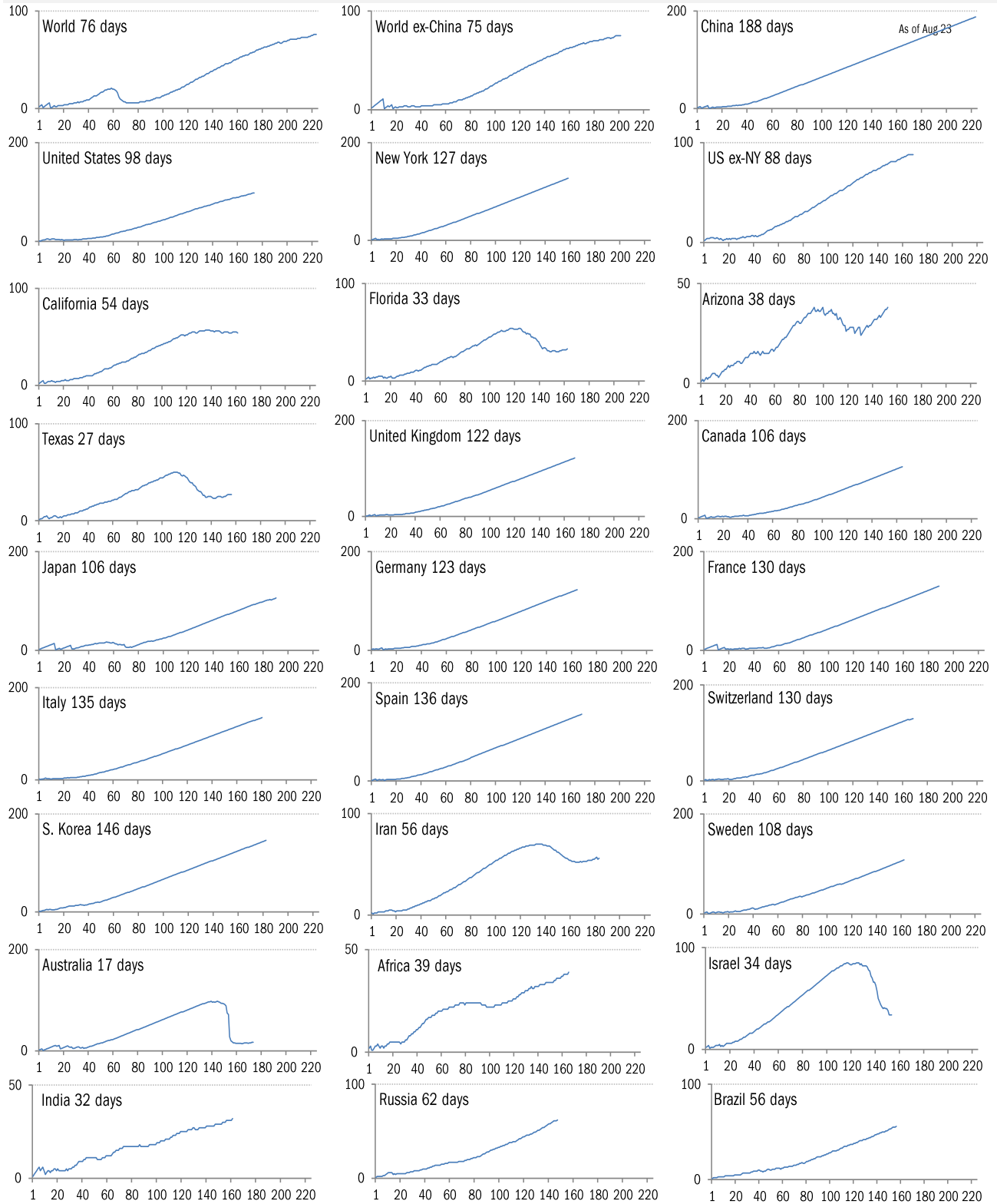


Source: [ECDC](#), TrendMacro calculations

Our most reliable evidence of slowing exponential growth of Covid-2019

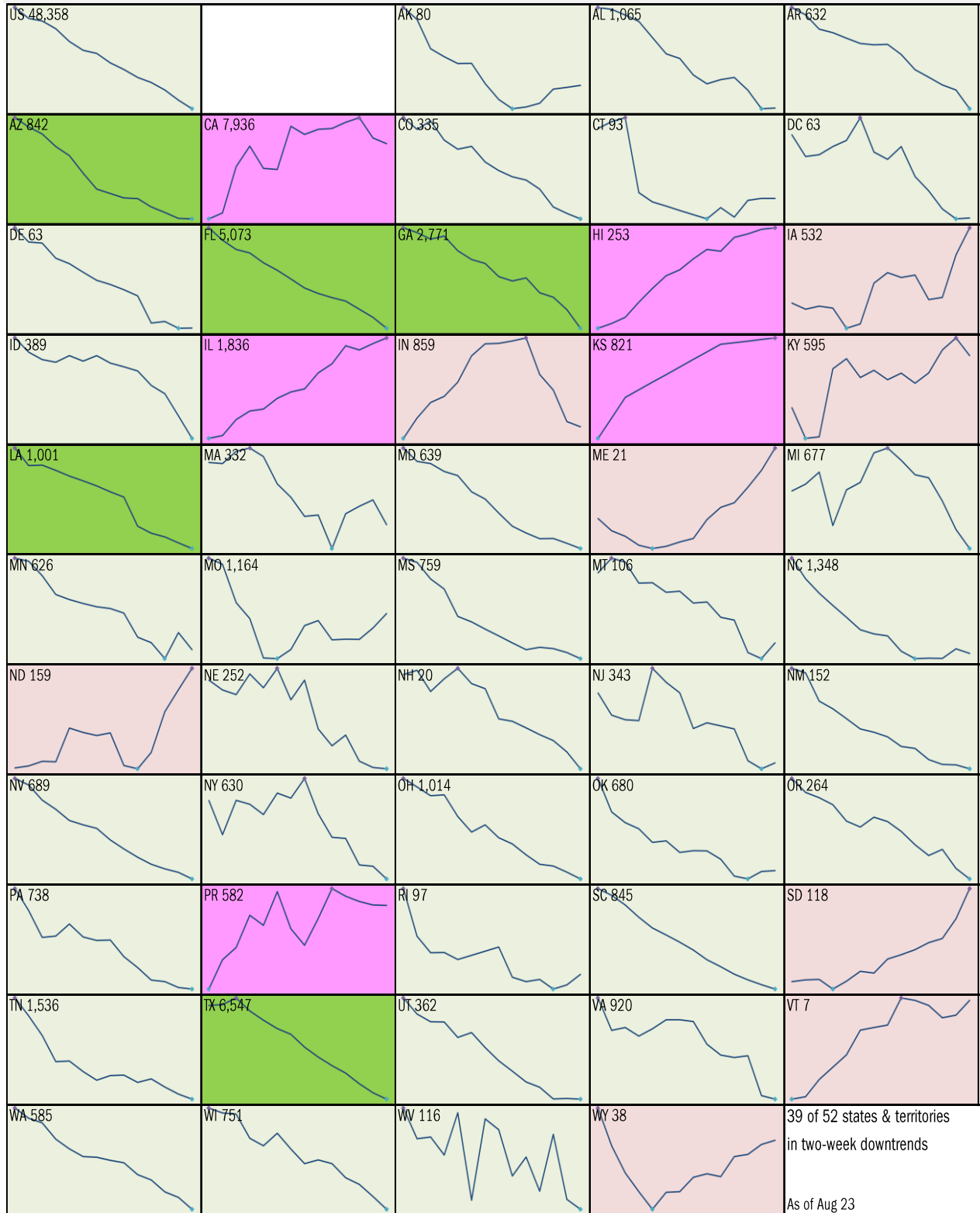
Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



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

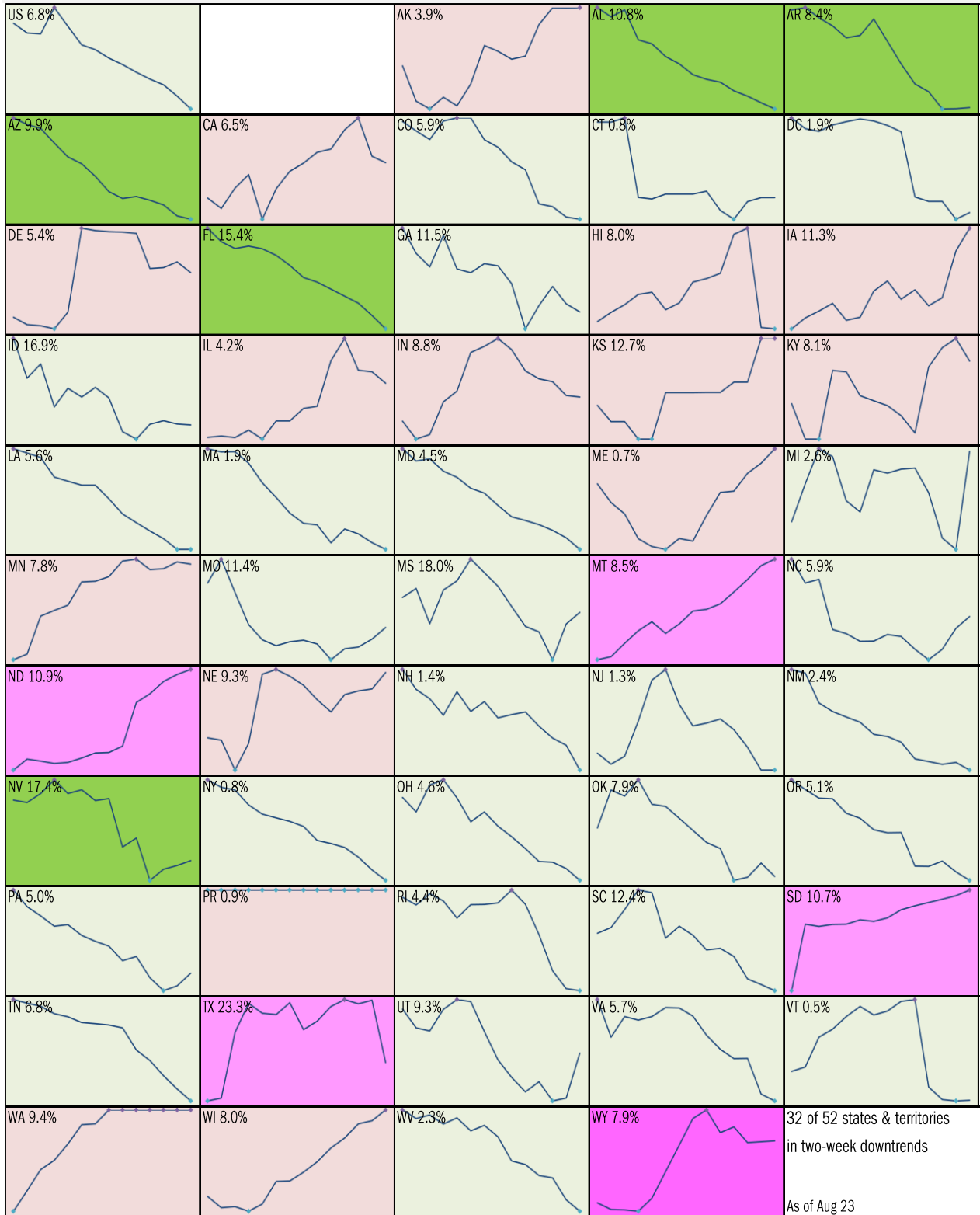


Source: [Covid Tracking Project](#), TrendMacro calculations

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



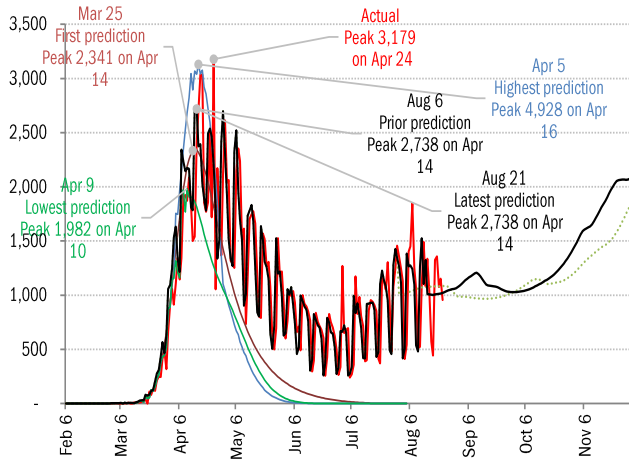
Source: [Covid Tracking Project](#), TrendMacro calculations

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

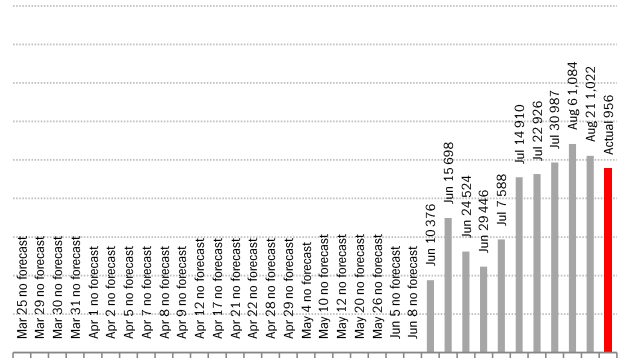
New daily fatalities

As of Aug 23

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

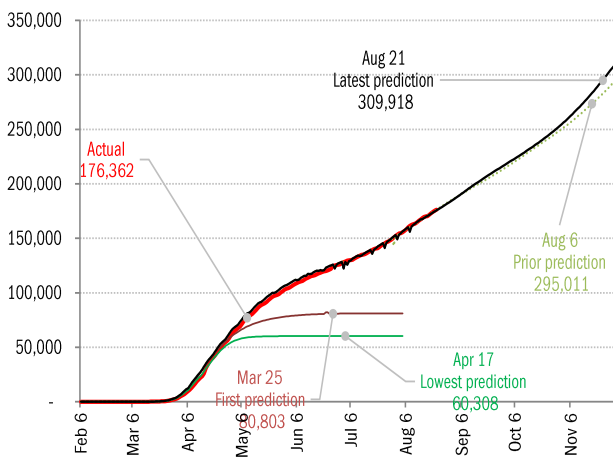


For this day, versus all model mean predictions

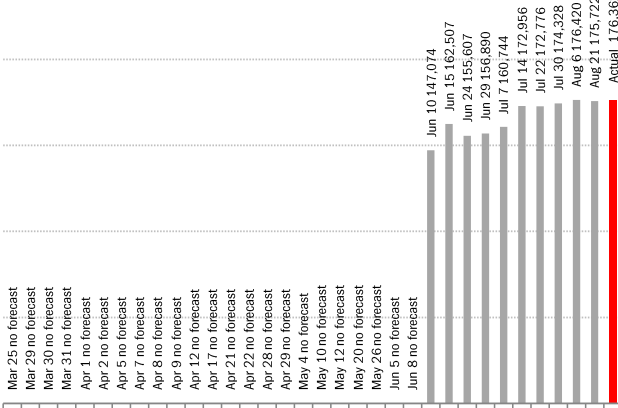


Cumulative fatalities

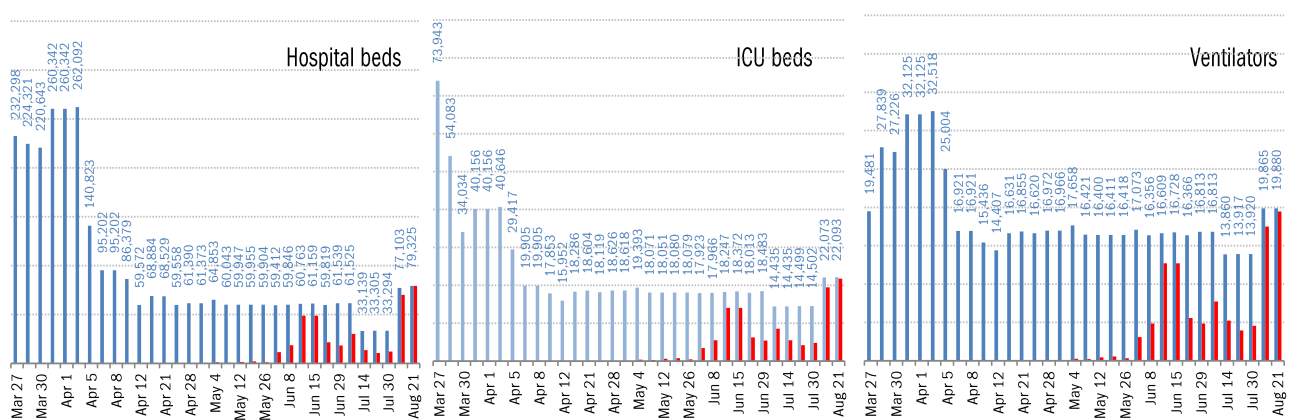
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

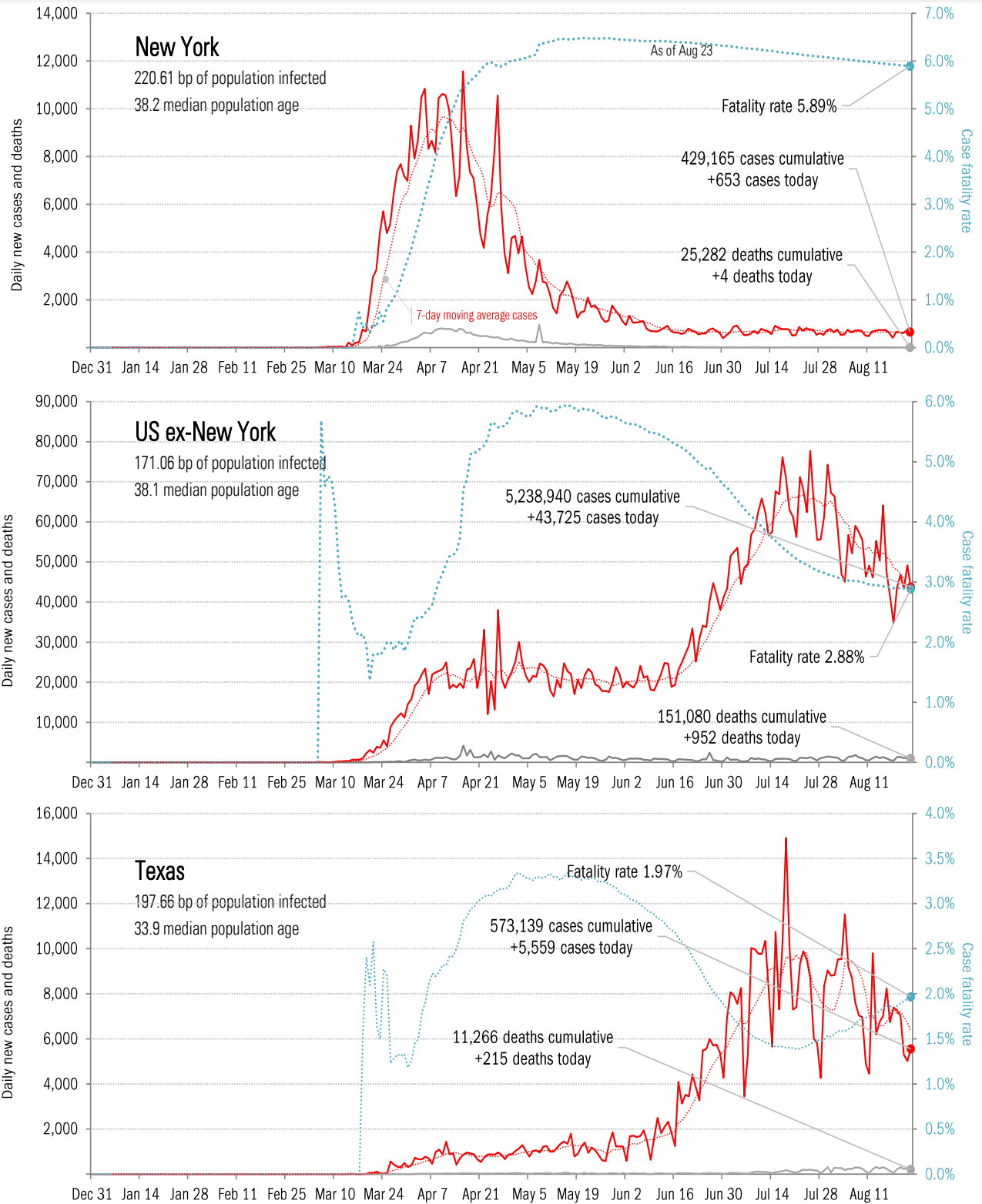


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



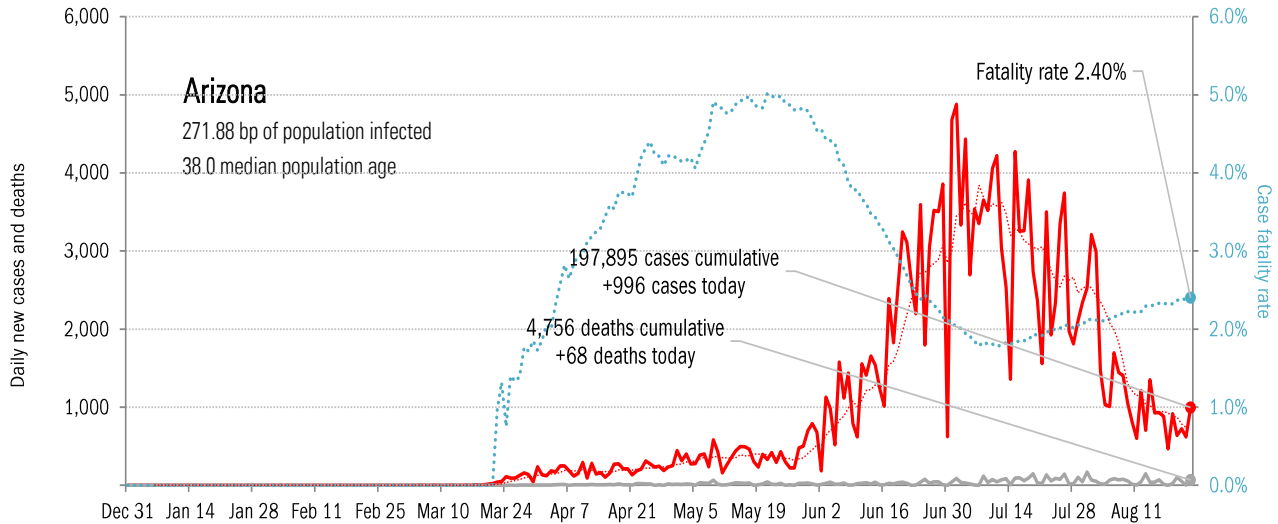
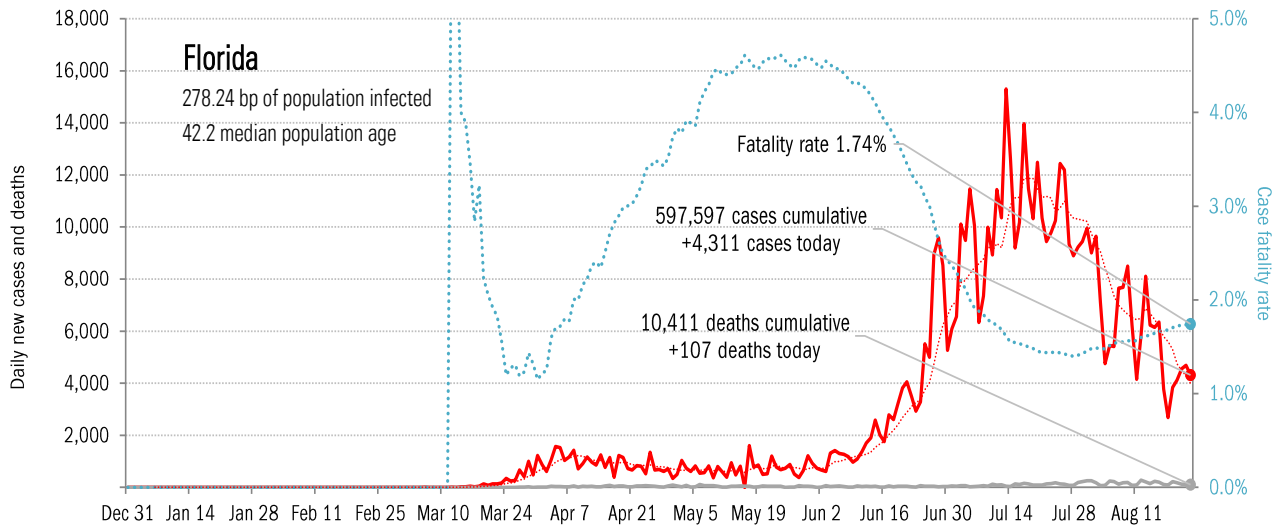
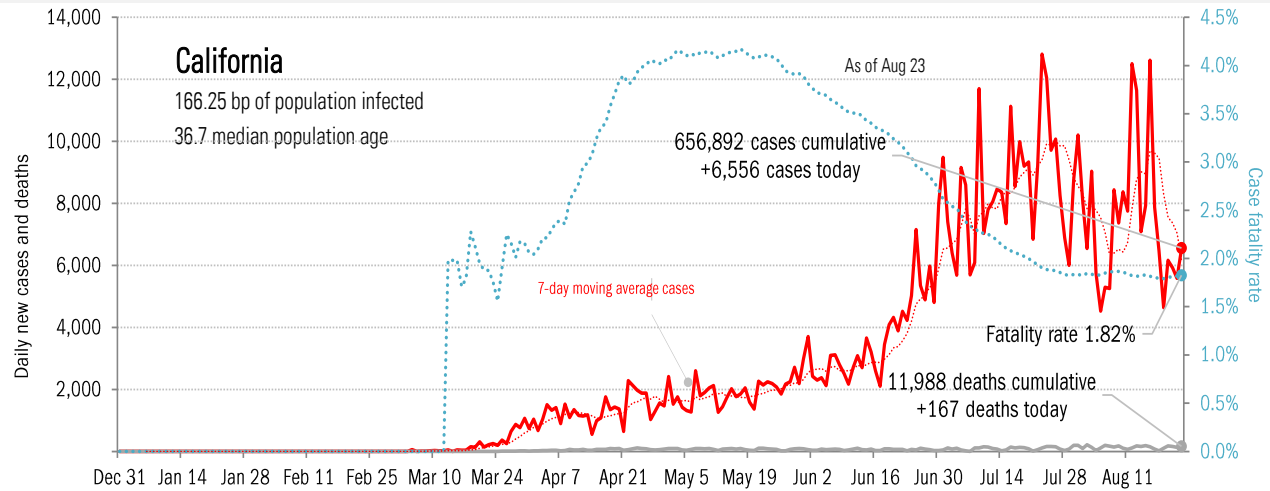
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



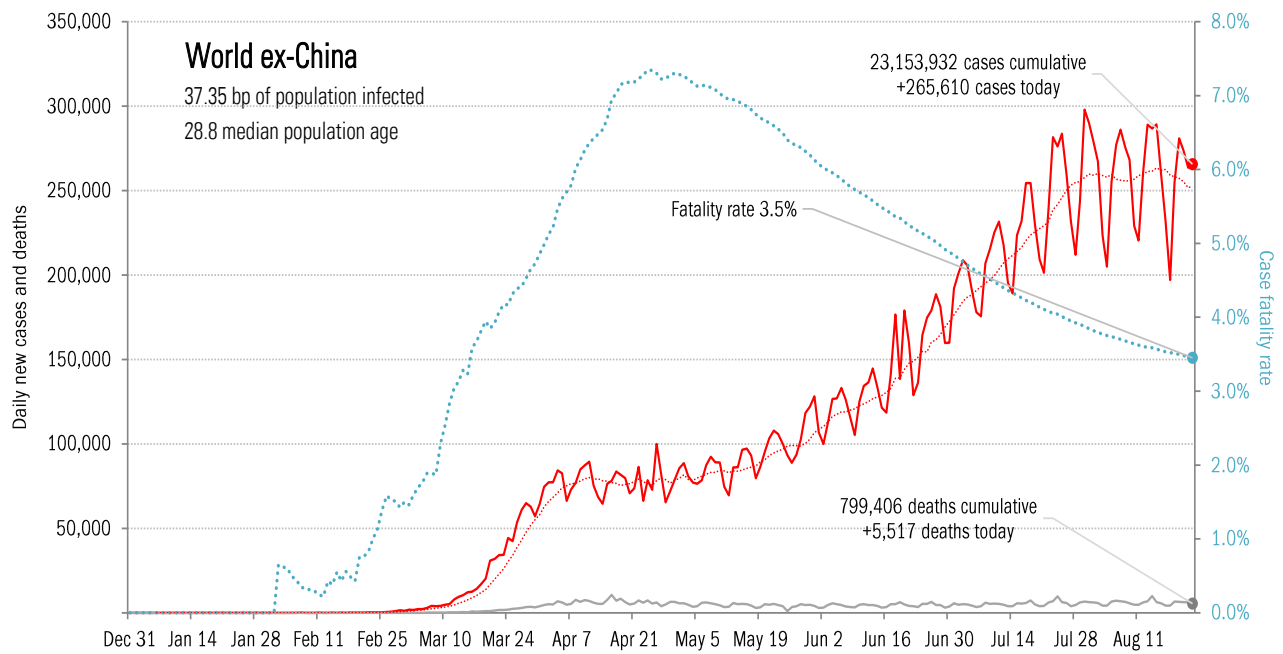
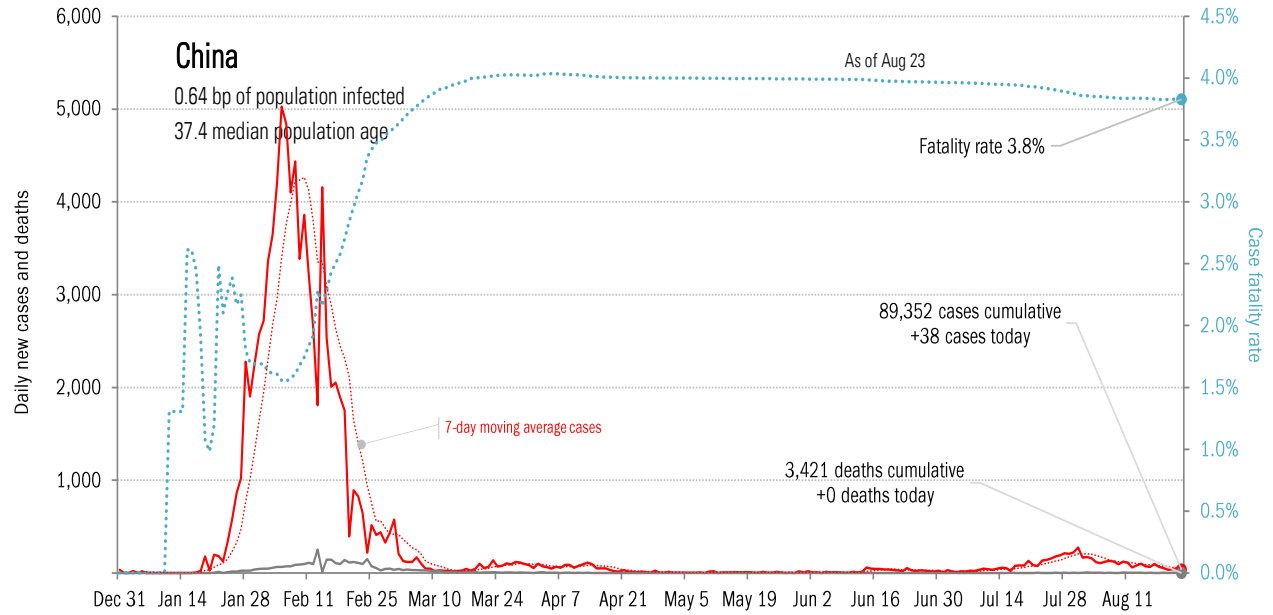
Source: [ECDC](#), TrendMacro calculations

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



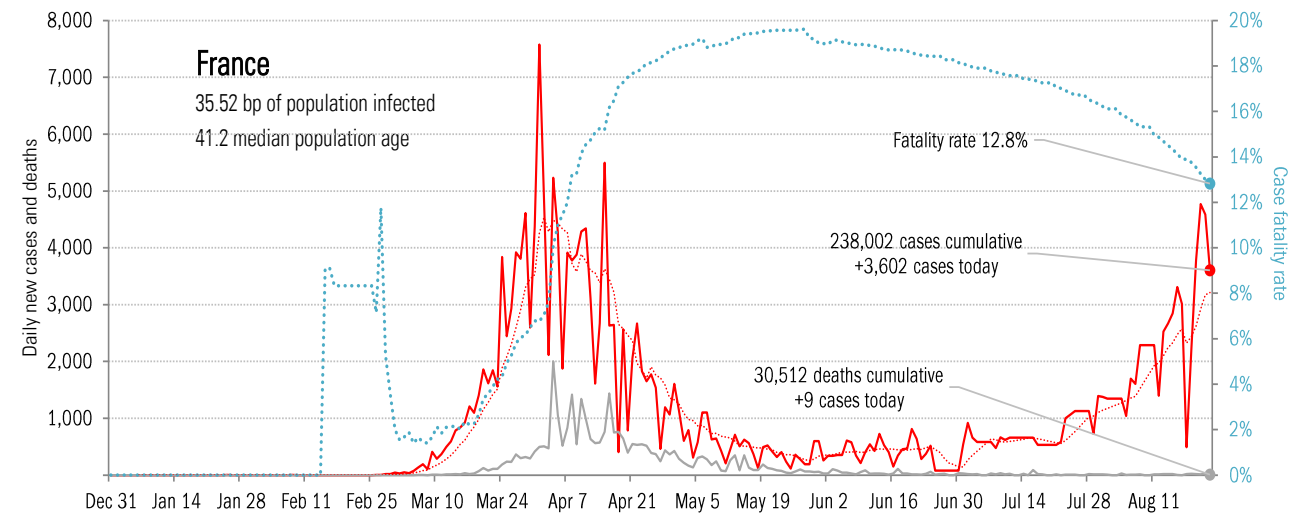
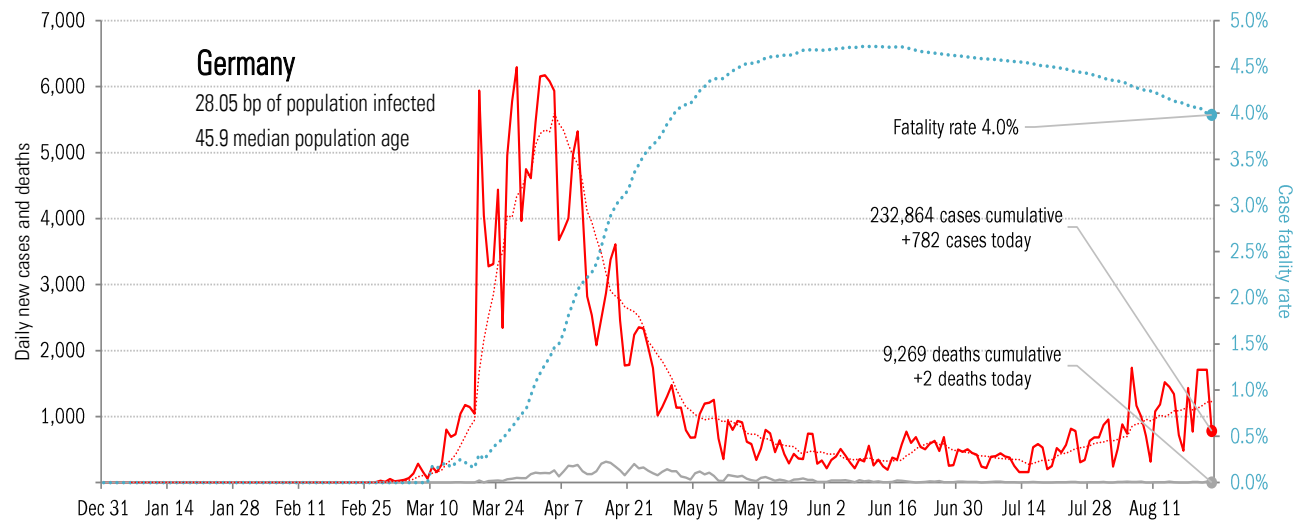
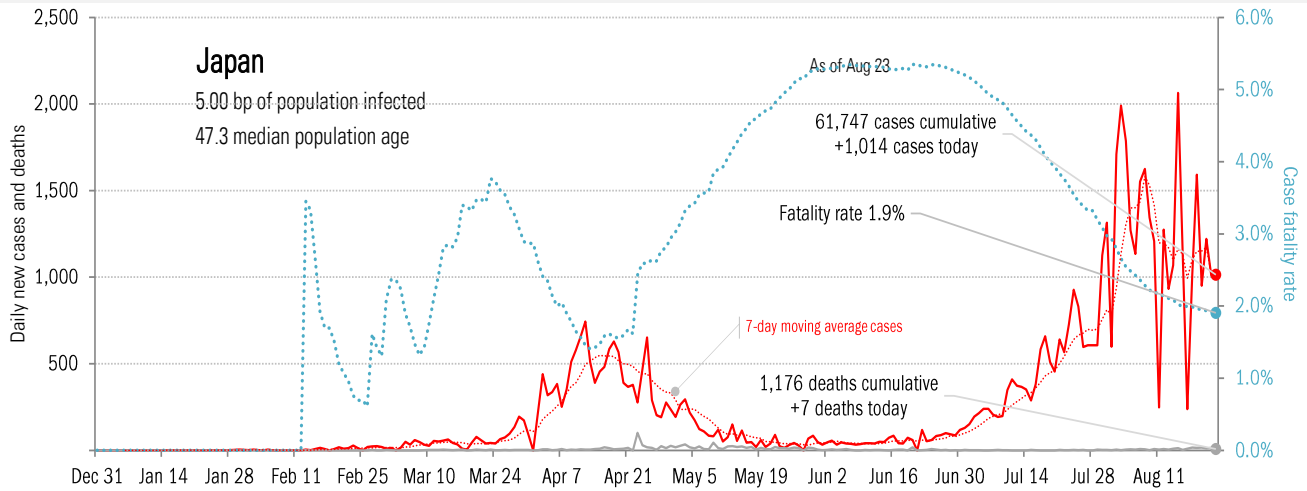
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



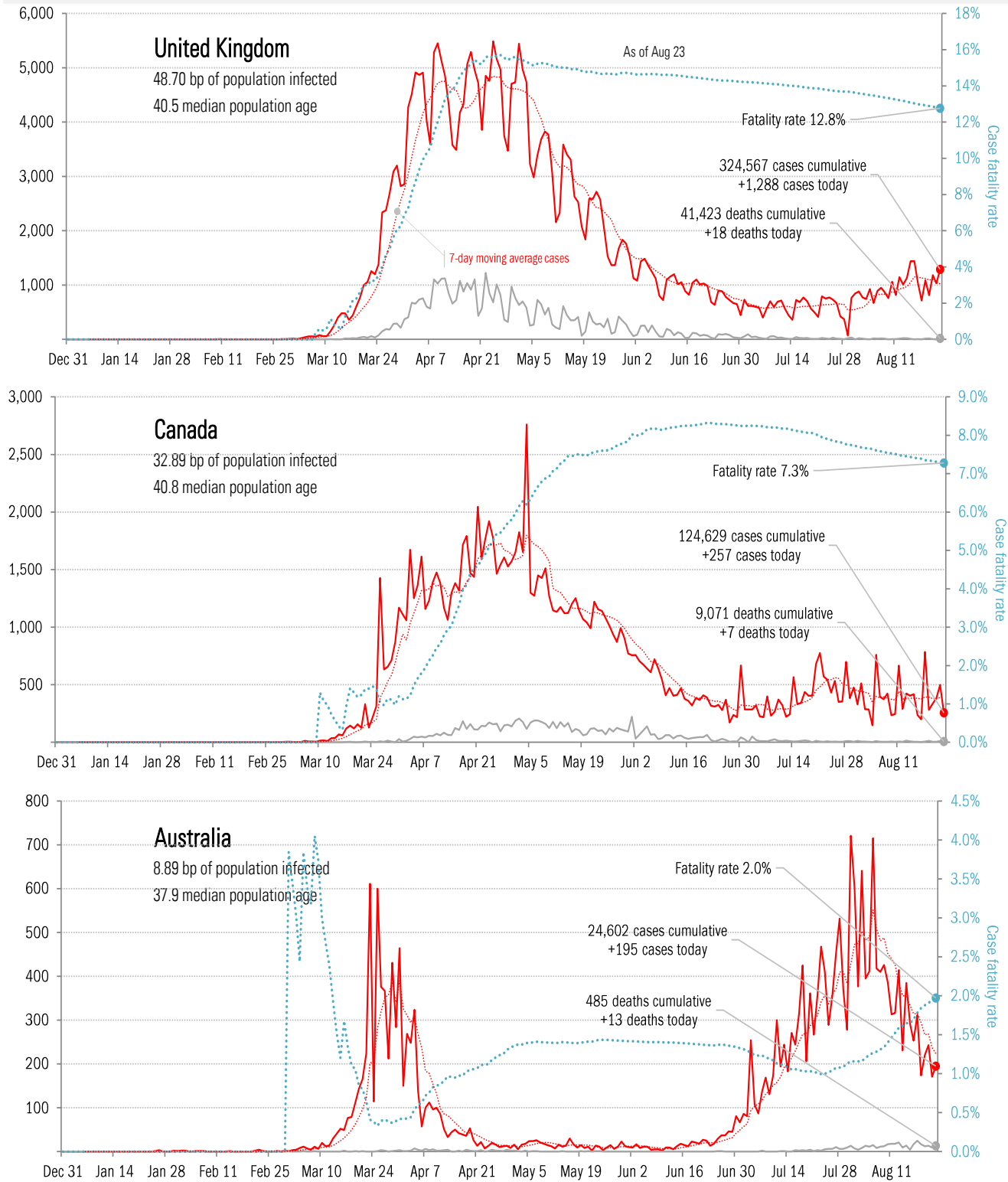
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



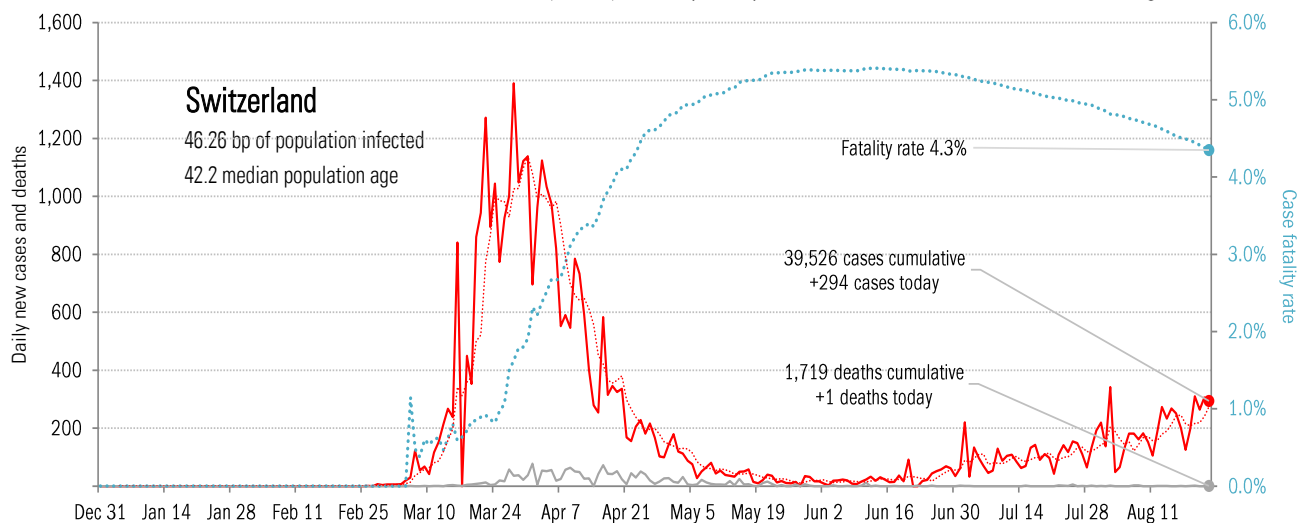
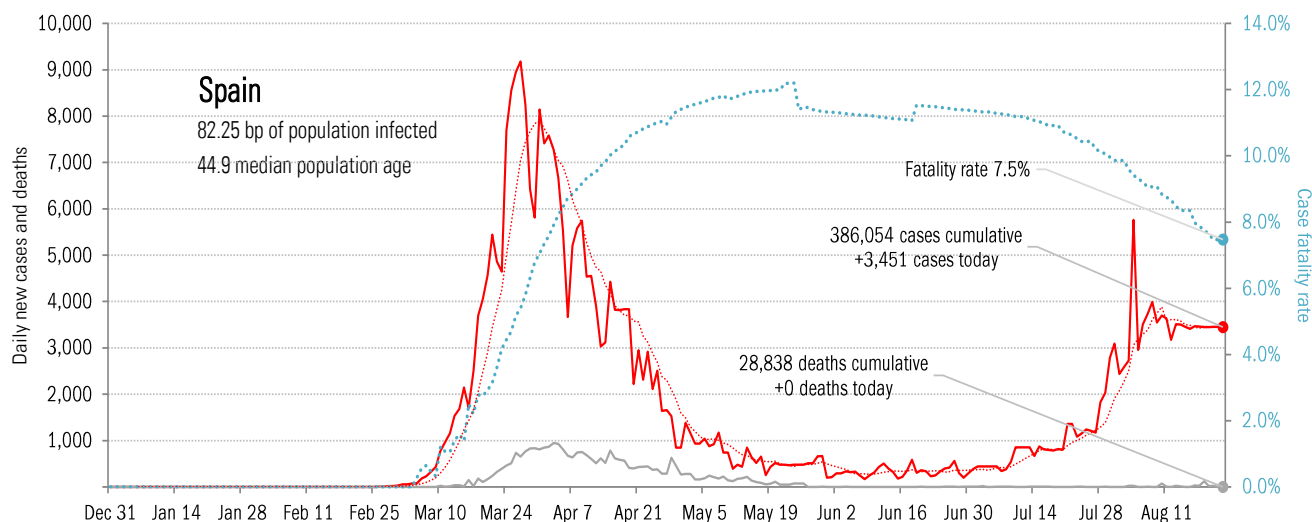
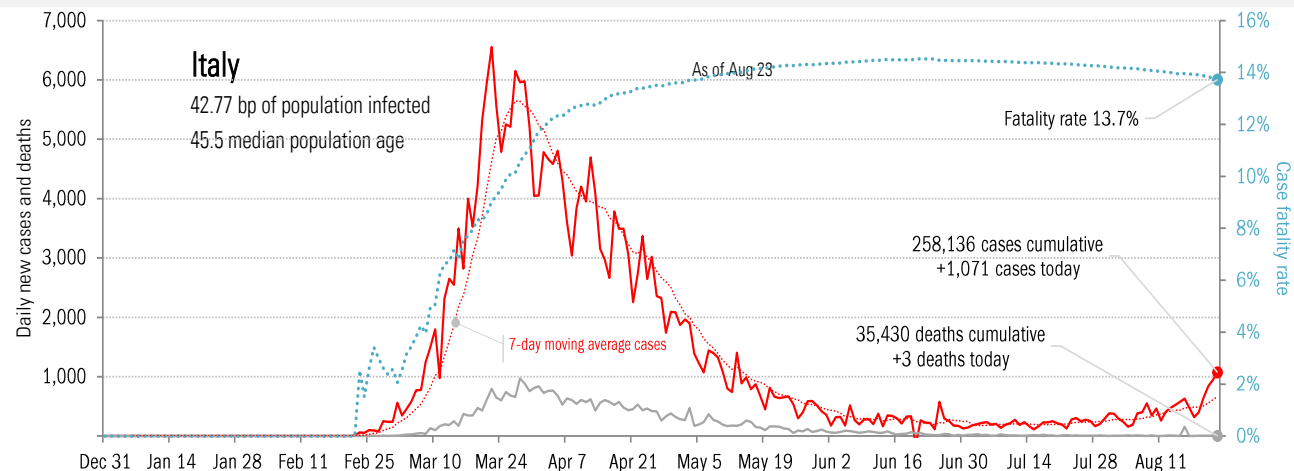
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



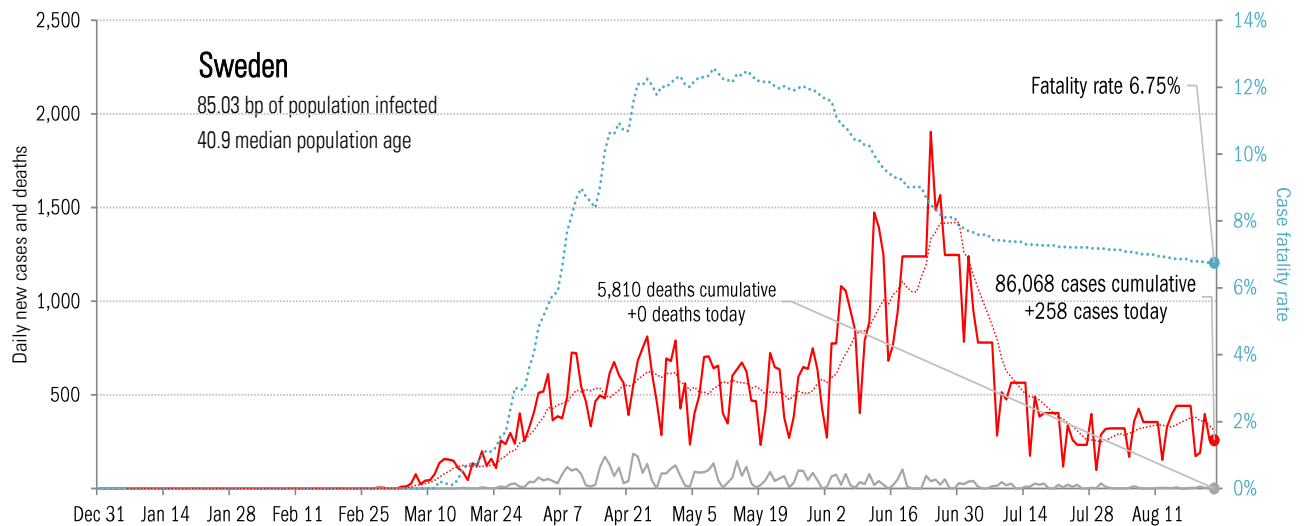
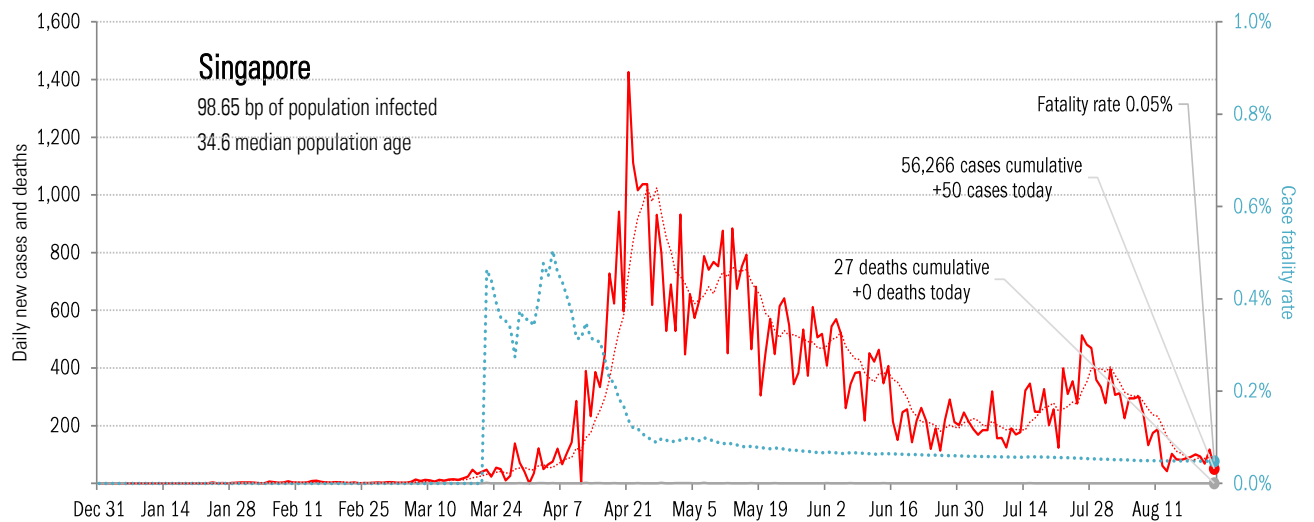
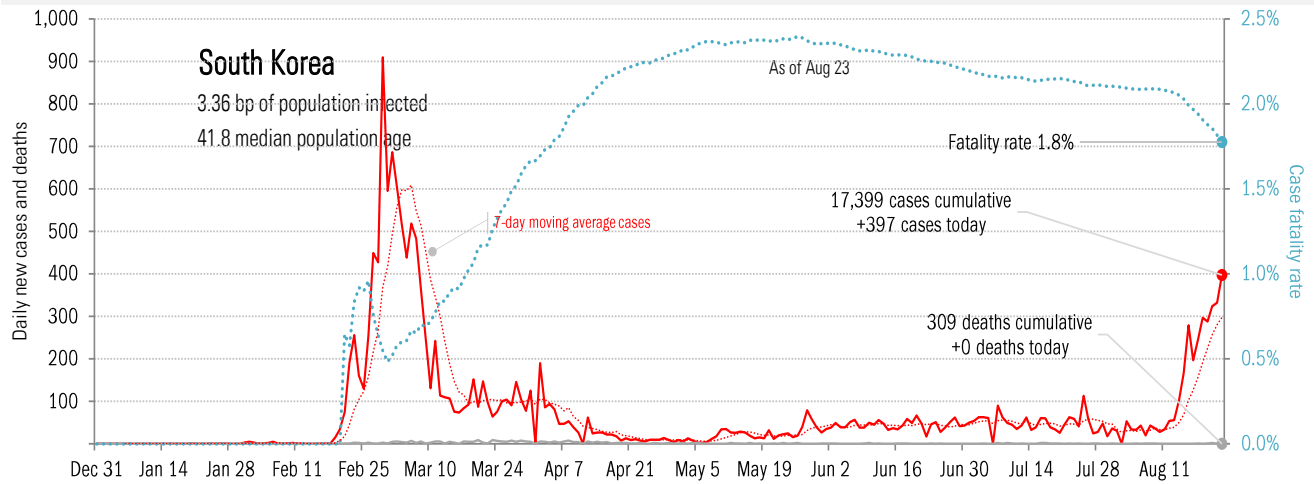
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



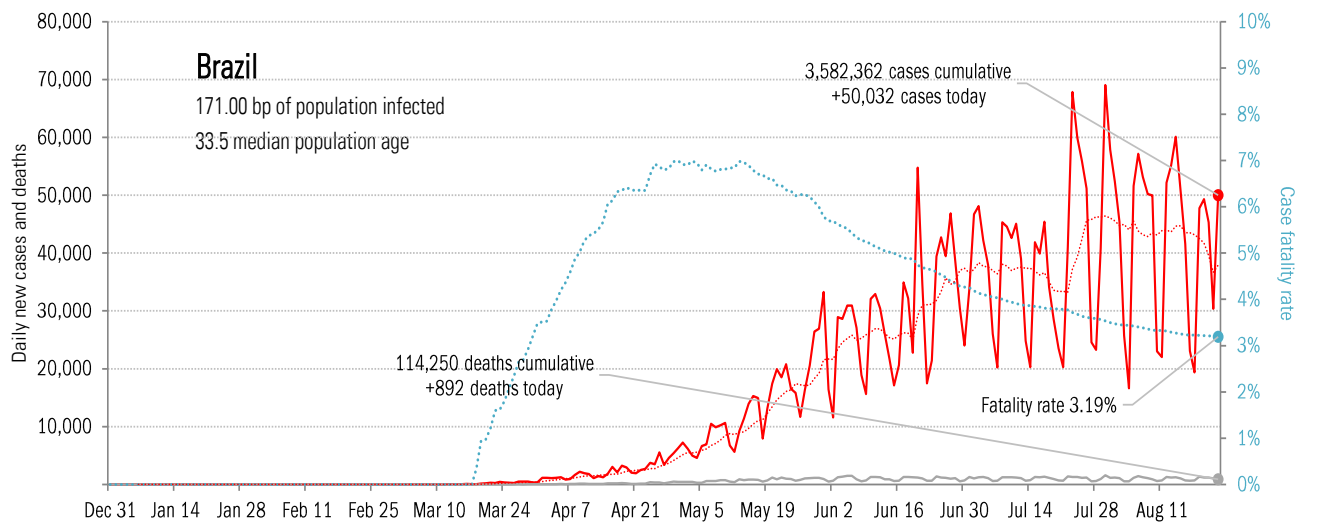
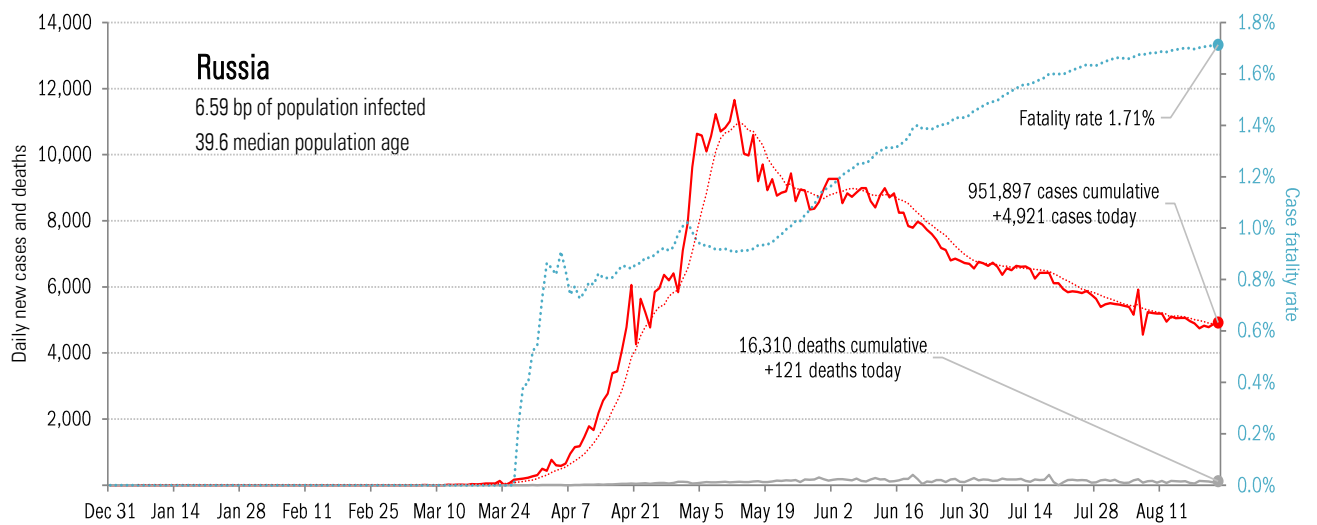
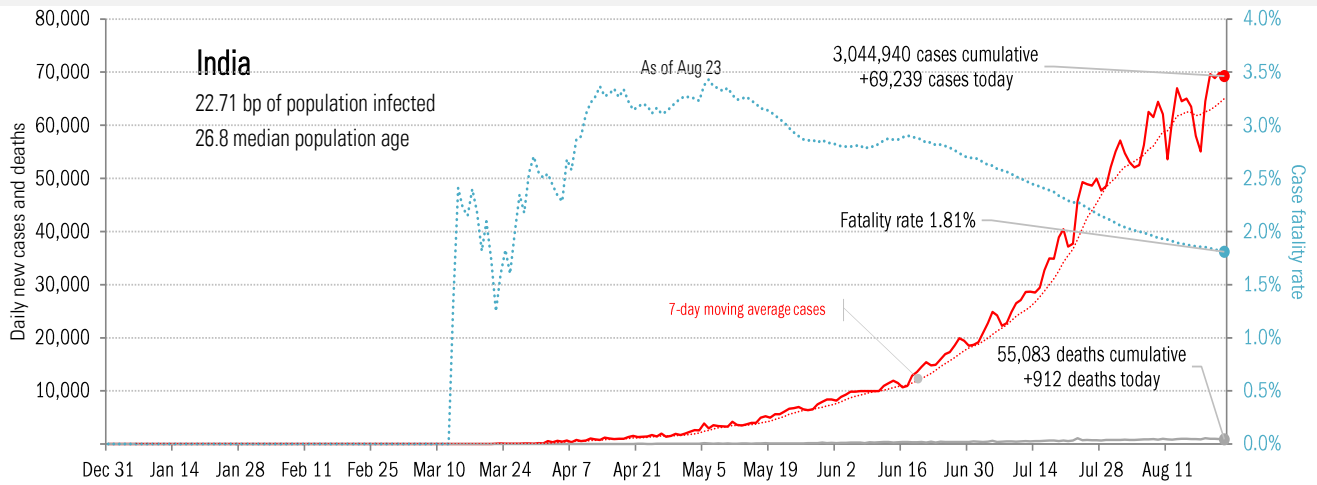
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



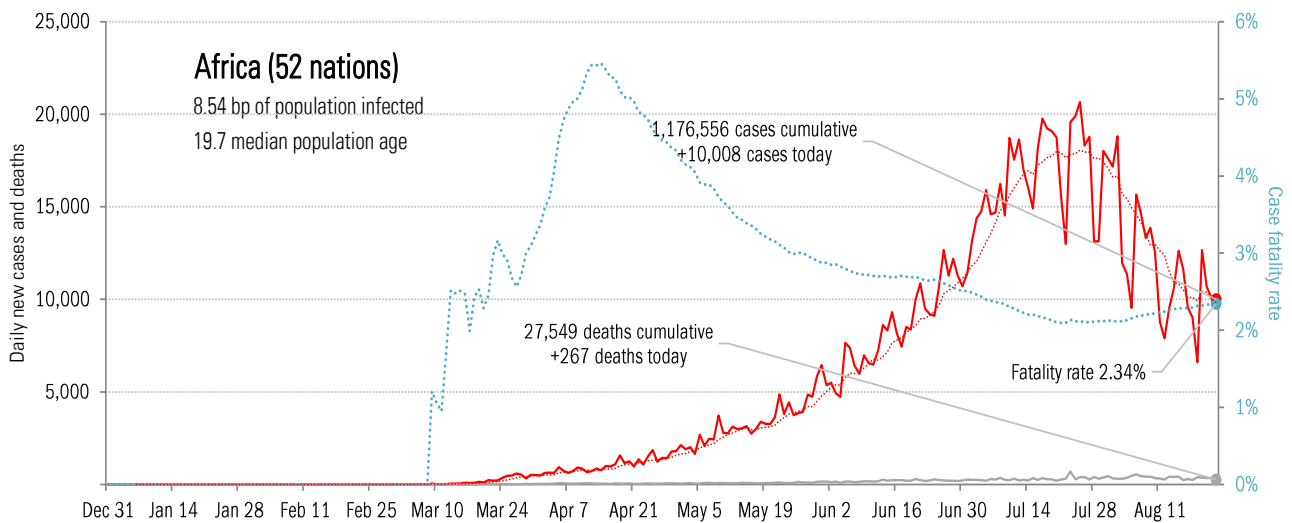
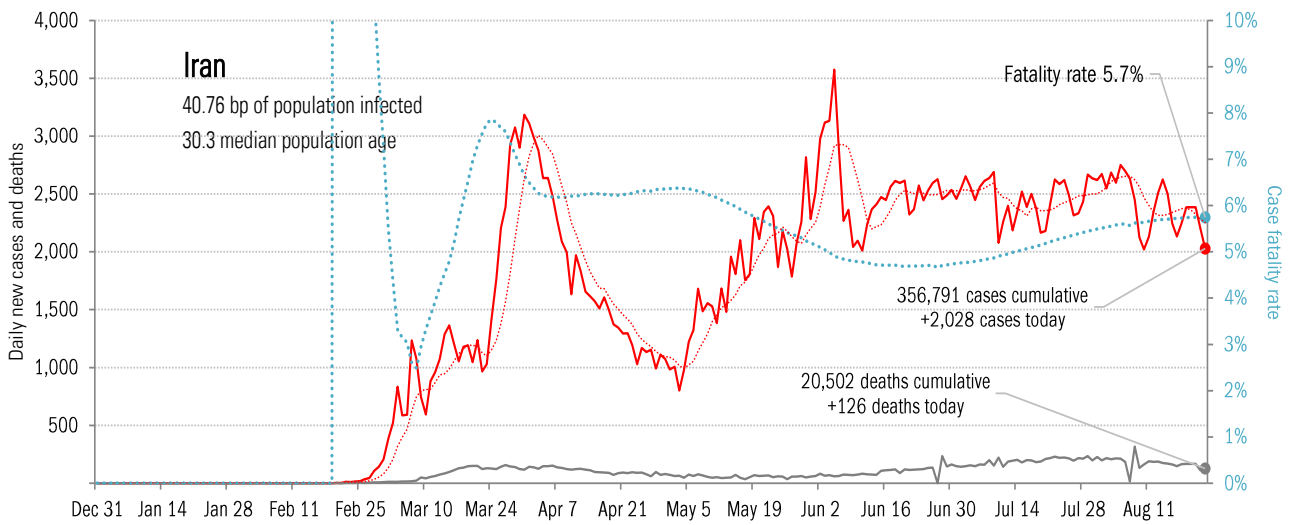
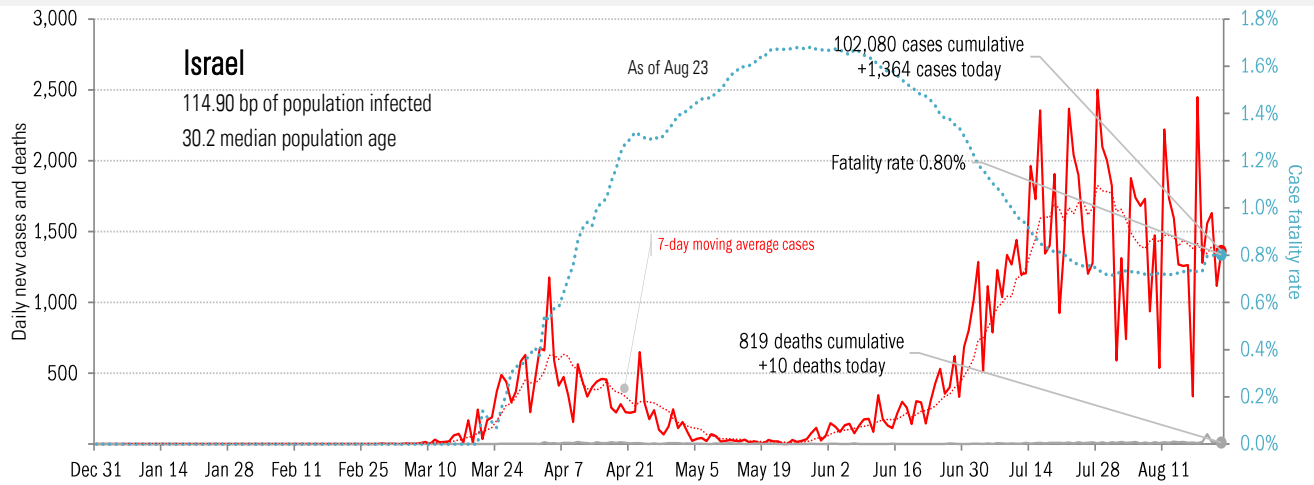
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations