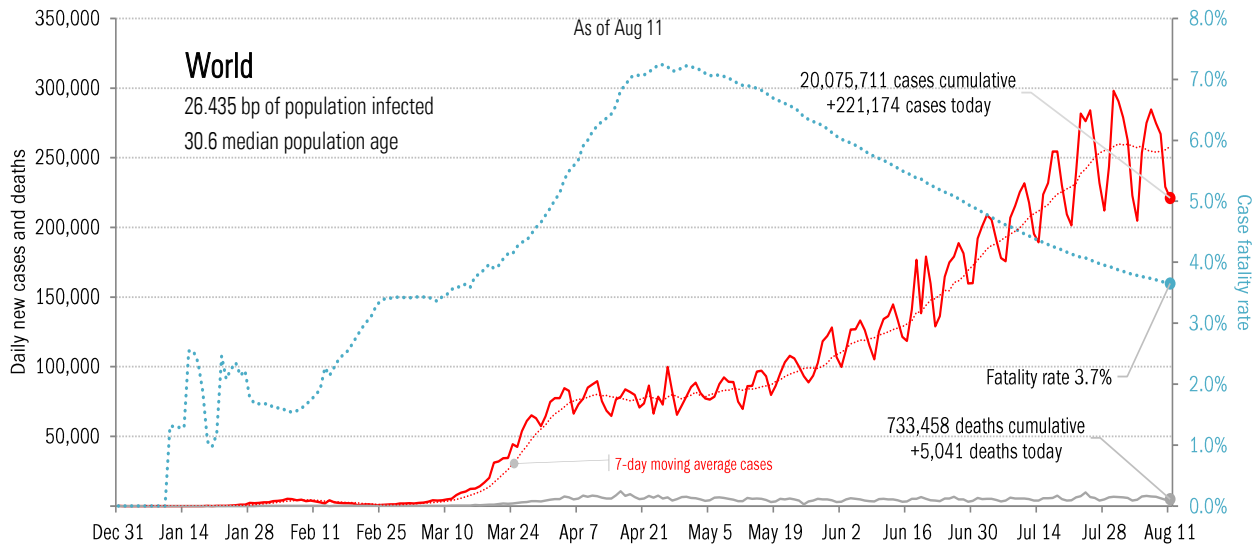
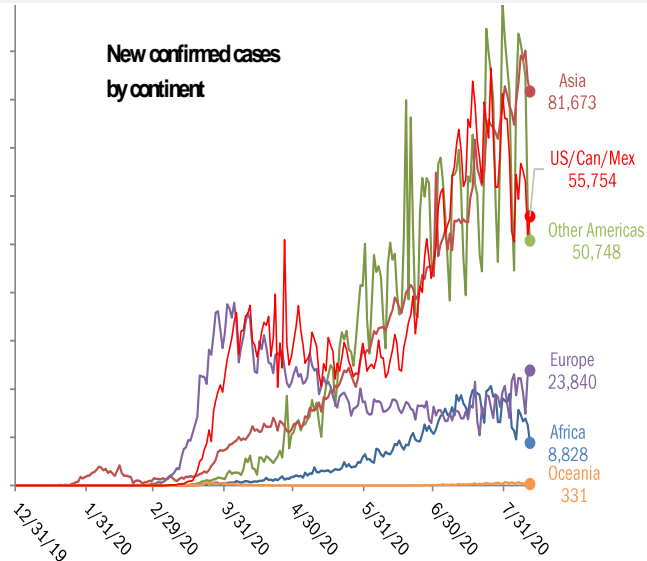


Data Insights: Covid-2019 Monitor

Tuesday, August 11, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+53,601	India	+871
US	+49,530	Mexico	+705
Brazil	+22,048	Brazil	+703
Colombia	+10,142	US	+523
Russia	+10,063	Colombia	+312
Philippines	+6,725	South_Africa	+213
Mexico	+5,558	Kazakhstan	+211
Peru	+5,109	Peru	+204
France	+4,854	Russia	+200
Argentina	+4,688	Iran	+189
+172,318		+4,131	
World	+221,174	World	+5,041
Top ten	78%	Top ten	82%



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

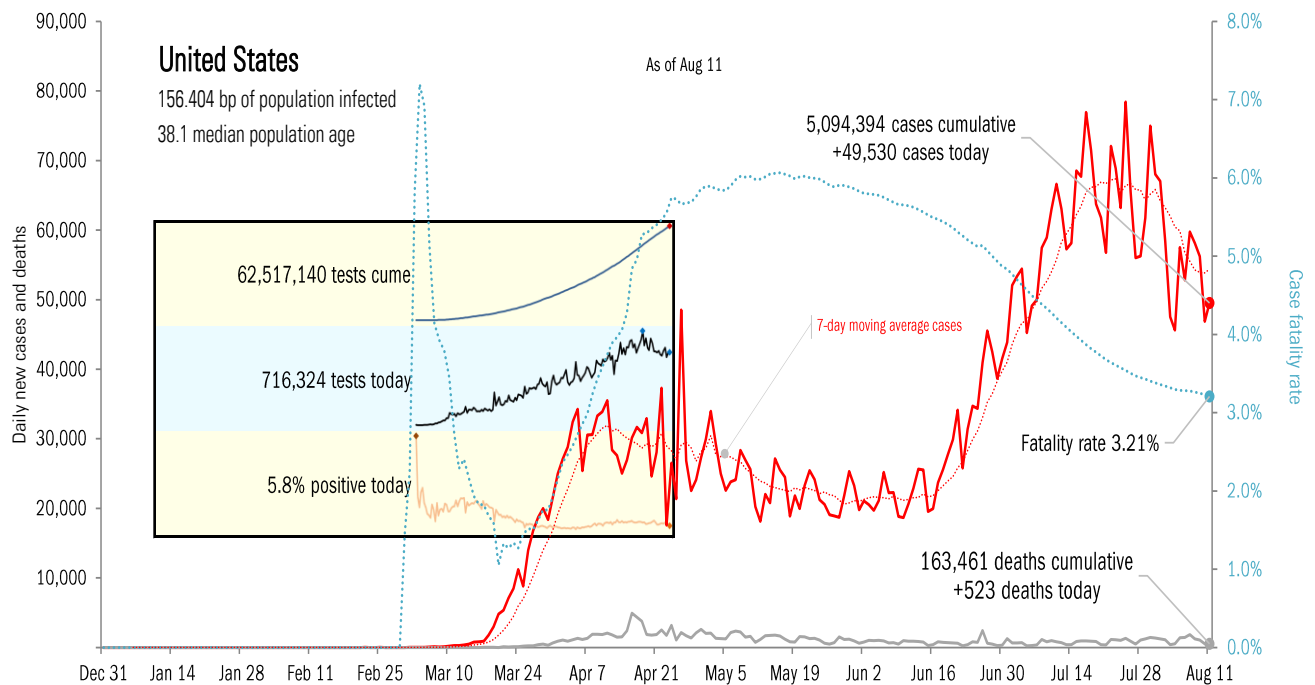
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
CA	+7,751	FL	+93	AL	+533	CA	561,911	NY	25,204	NY	89,995
TX	+4,455	CA	+66	FL	+284	FL	536,961	NJ	15,878	FL	31,177
FL	+4,155	TX	+31	WA	+105	TX	490,817	CA	10,359	NJ	21,992
MO	+2,575	GA	+30	VA	+89	NY	421,336	MA	8,741	GA	20,676
GA	+2,429	AL	+29	MS	+74	GA	219,025	TX	8,490	AZ	19,277
AL	+1,686	LA	+24	MD	+70	IL	196,699	FL	8,408	VA	14,212
IL	+1,319	SC	+18	CH	+64	AZ	187,523	IL	7,846	MD	13,247
TN	+1,202	MS	+16	AR	+52	NJ	185,031	PA	7,317	AL	12,070
KS	+1,092	AR	+11	MN	+51	NC	136,844	MI	6,526	MA	12,062
CH	+883	TN	+10	GA	+48	LA	131,961	CT	4,444	CH	11,629
+27,547		+328		+1,370		3,068,108		103,213		246,337	
All states	+41,807	All states	+426	All states	+1,654	All states	5,060,880	All states	154,947	All states	334,347
Top ten	66%	Top ten	77%	Top ten	83%	Top ten	61%	Top ten	67%	Top ten	74%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
LA	-2,091	TX	-85	NJ	-43	TX	+4,988
FL	-2,074	CA	-38	GA	-24	TN	+2,173
AL	-1,261	LA	-32	AZ	-15	PA	+1,048
TN	-925	WA	-16	AR	-9	CH	+886
NC	-826	AR	-12	ID	-9	MIN	+796



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

Recommended reading

[Children and the virus: As schools reopen, much remains unknown about the risk to kids and the peril they pose to others](#)

Haisten Willis, Chelsea Janes and Ariana Eunjung Cha
Washington Post
August 10, 2020

[First-in-Human Trial of a SARS CoV 2 Recombinant Spike Protein Nanoparticle Vaccine](#)

Cheryl Keech et al.
medRxiv
August 6, 2020

[KDHE doctored a COVID case chart to justify mask mandates](#)

Dave Trabert
The Sentinel
August 7, 2020

[Lockdown Lunacy 3.0: It's over](#)

J. B. Handley
J. B. Handley Blog
July 28, 2020

[Pelosi, Mnuchin open door to narrower COVID-19 aid through 2020](#)

Susan Heavey and Jeff Mason
Reuters
August 9, 2020

[20% Of Harvard's First-Year Class Has Deferred](#)

Brandon Busteed
Forbes
August 7, 2020

[NYC Councilman Paul Vallone credits Hydroxychloroquine for COVID-19 recovery](#)

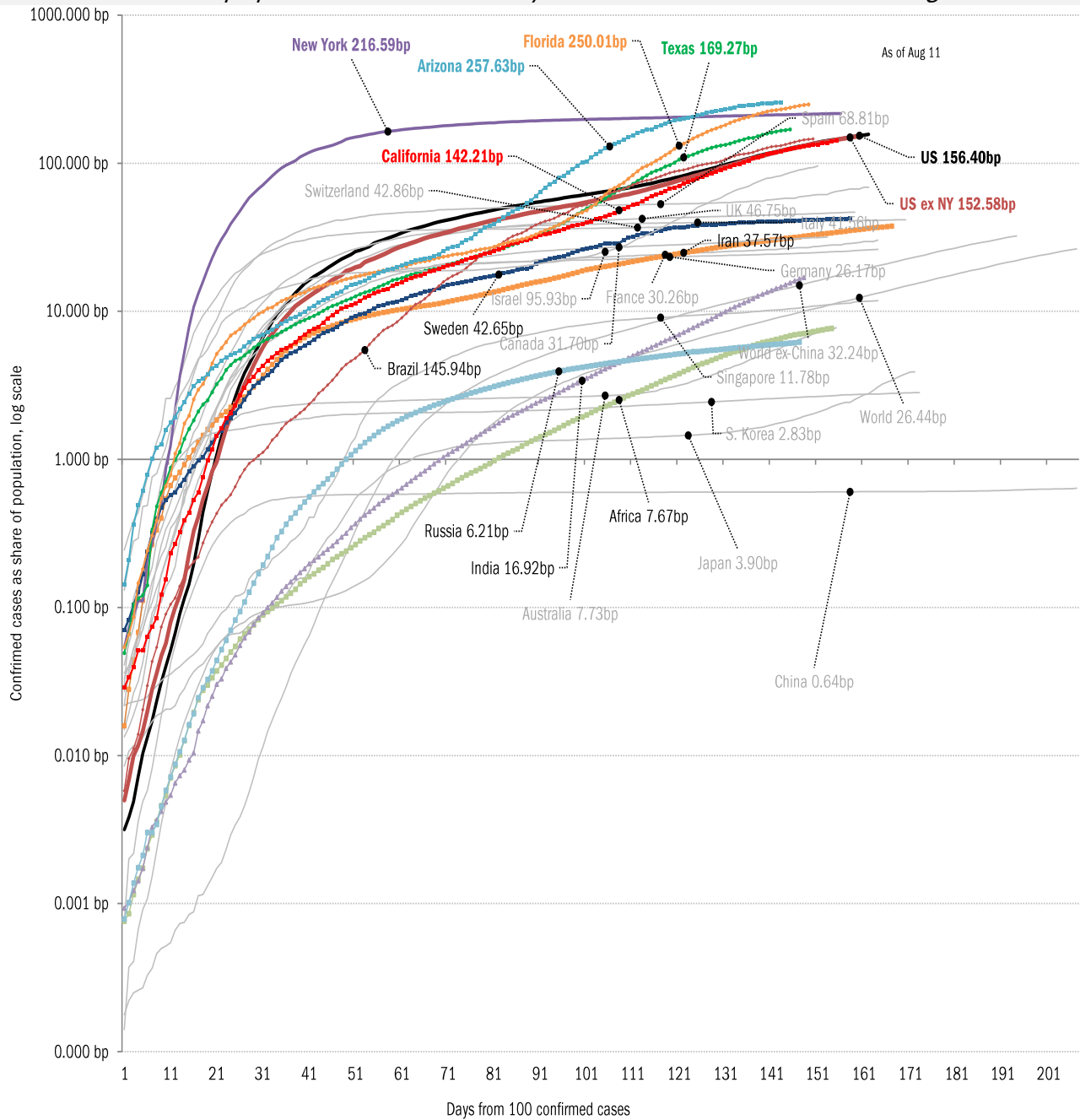
Jon Levine
New York Post
August 8, 2020

Meme of day



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

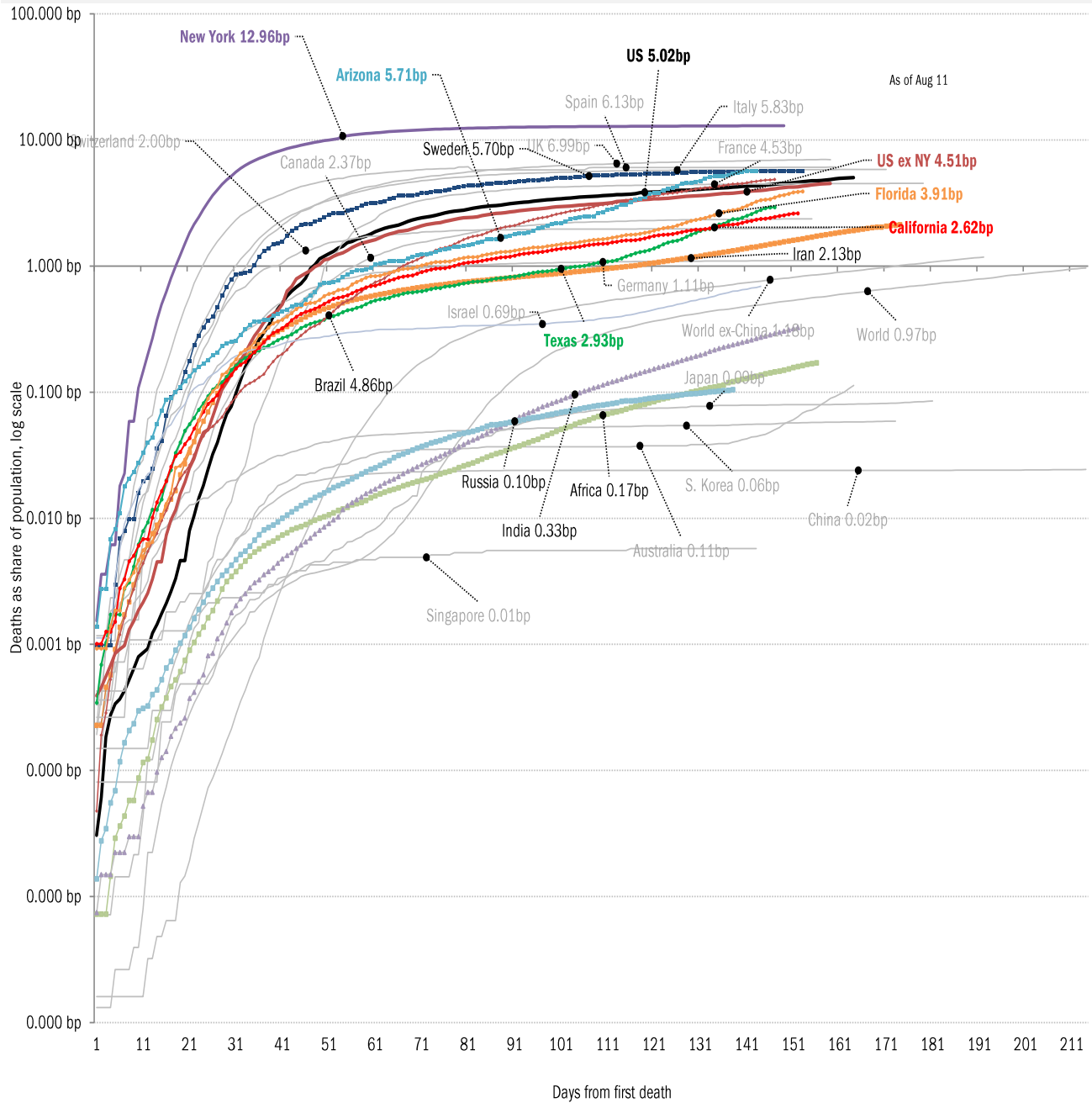
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

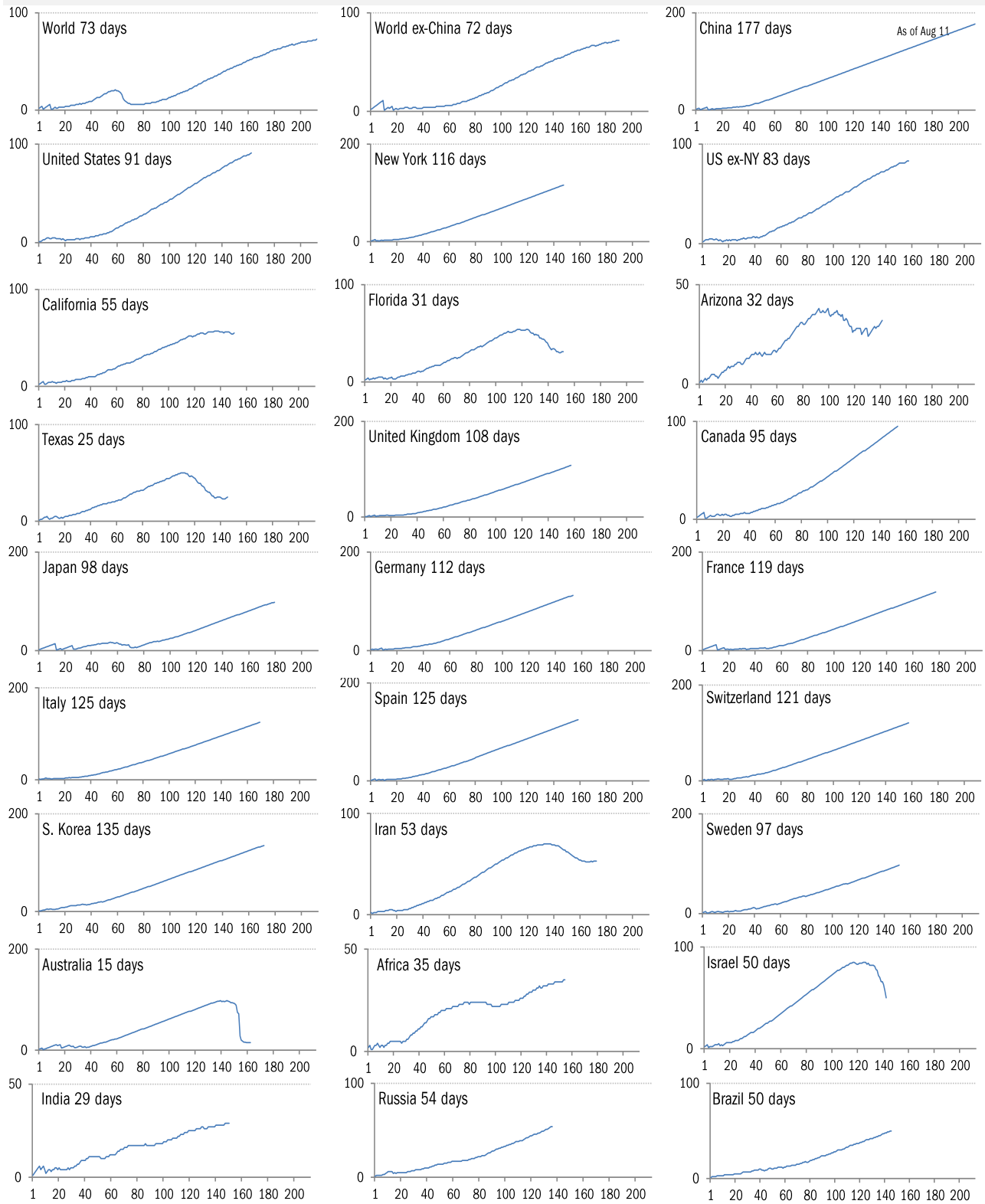
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

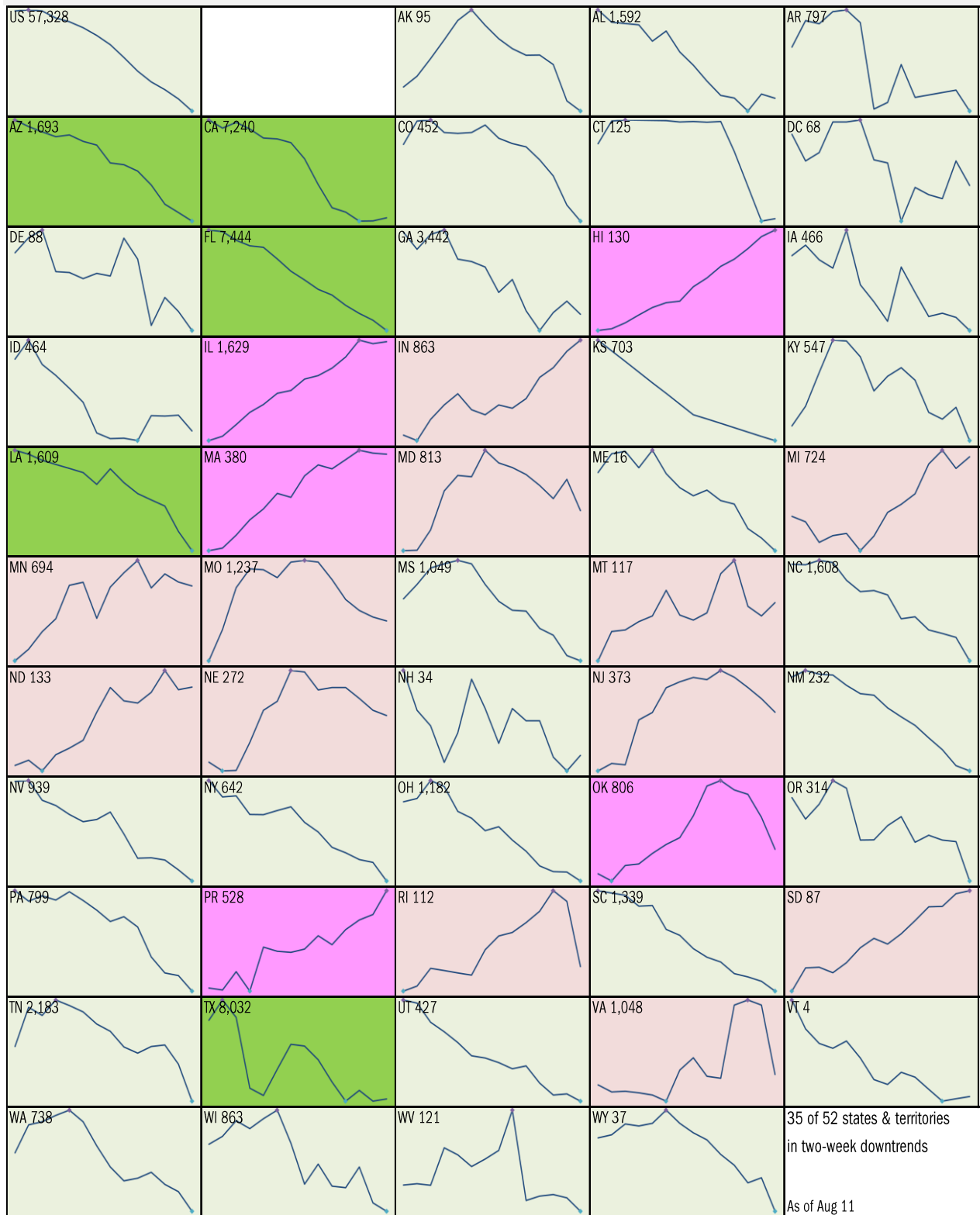
Our most reliable evidence of slowing exponential growth of Covid-2019

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

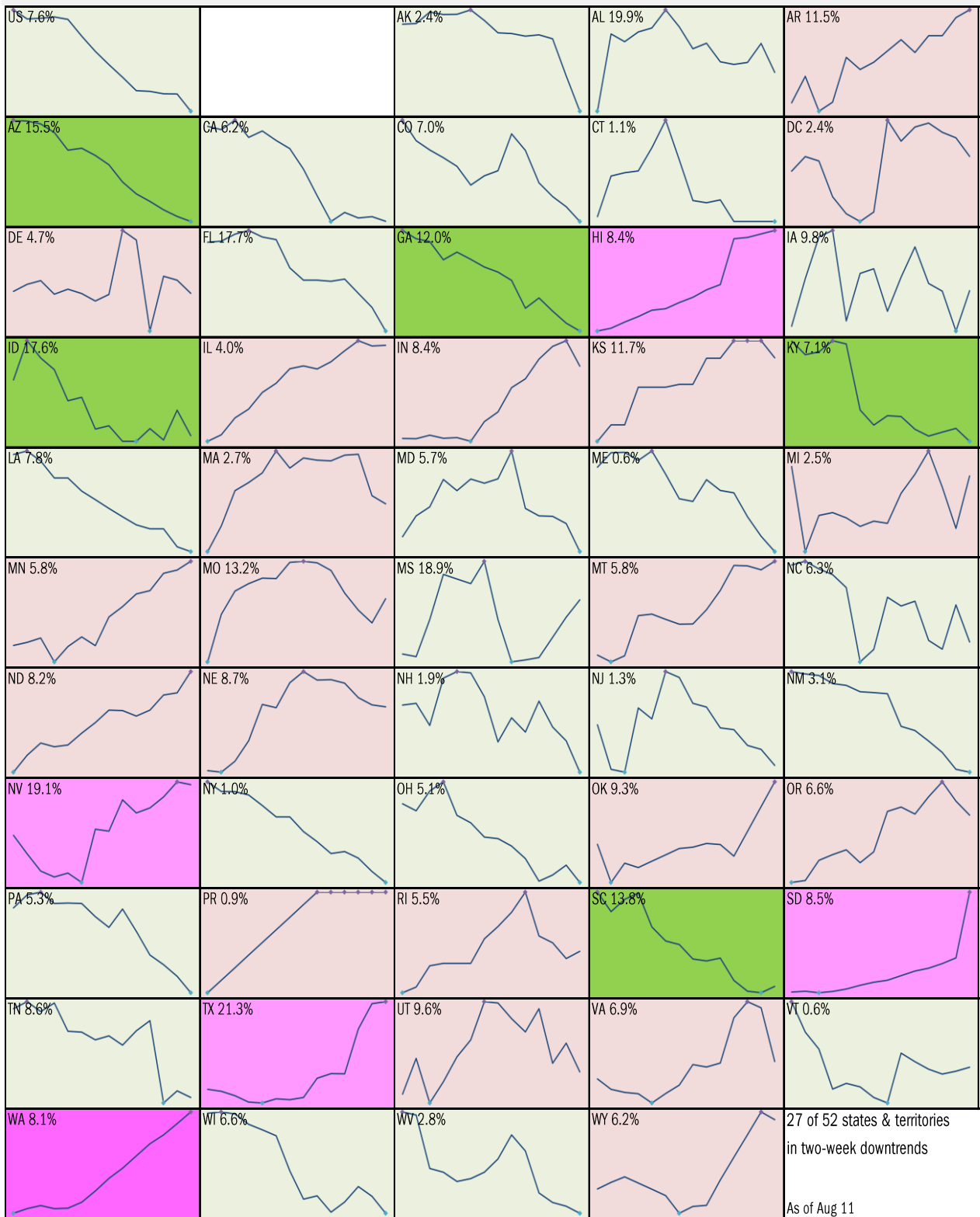


Source: [Covid Tracking Project](#), TrendMacro calculations

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



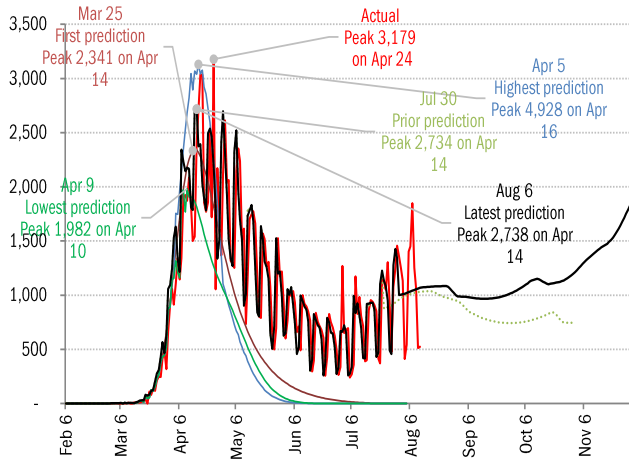
Source: [Covid Tracking Project](#), TrendMacro calculations

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

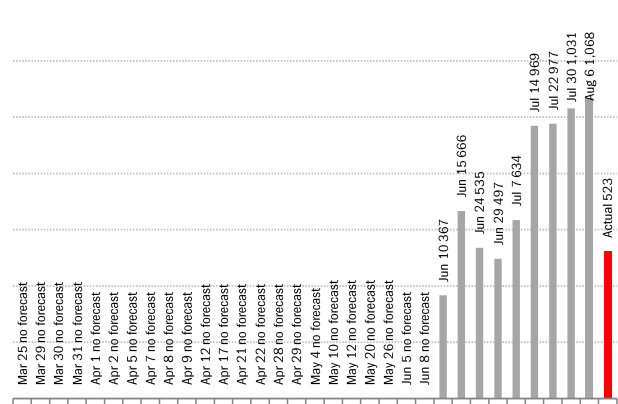
New daily fatalities

As of Aug 11

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

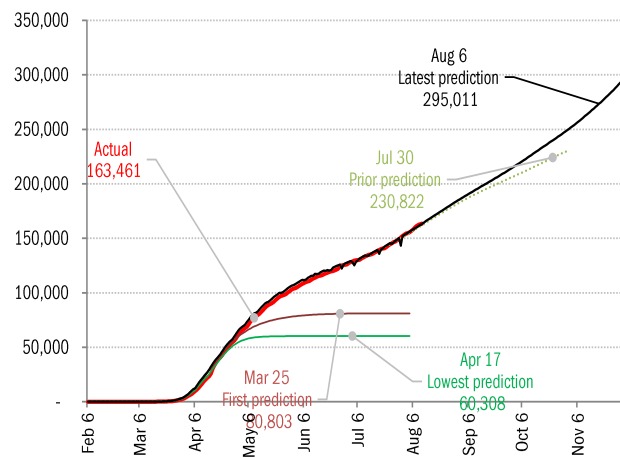


For this day, versus all model mean predictions

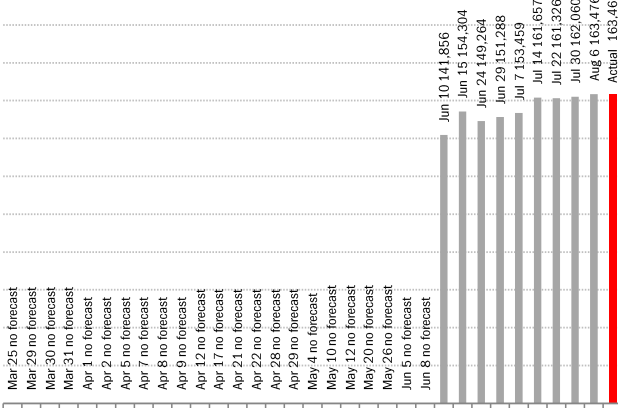


Cumulative fatalities

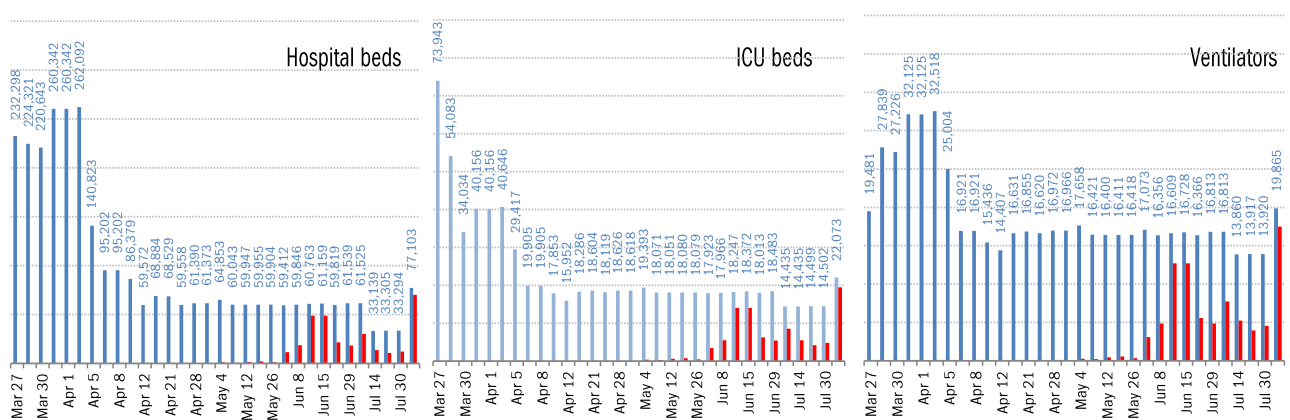
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

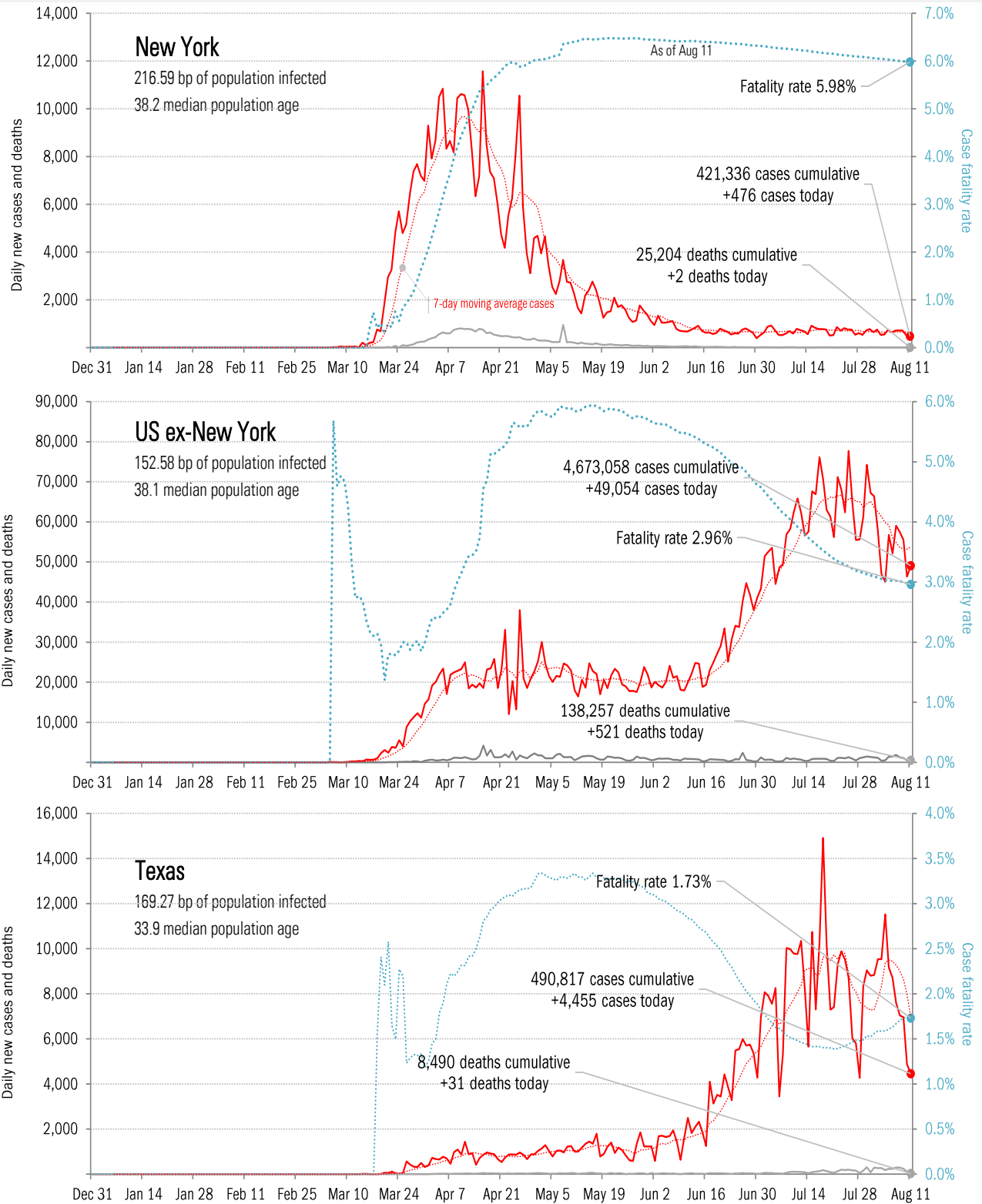


Healthcare system stress, peak and ultimate estimated at each model revision



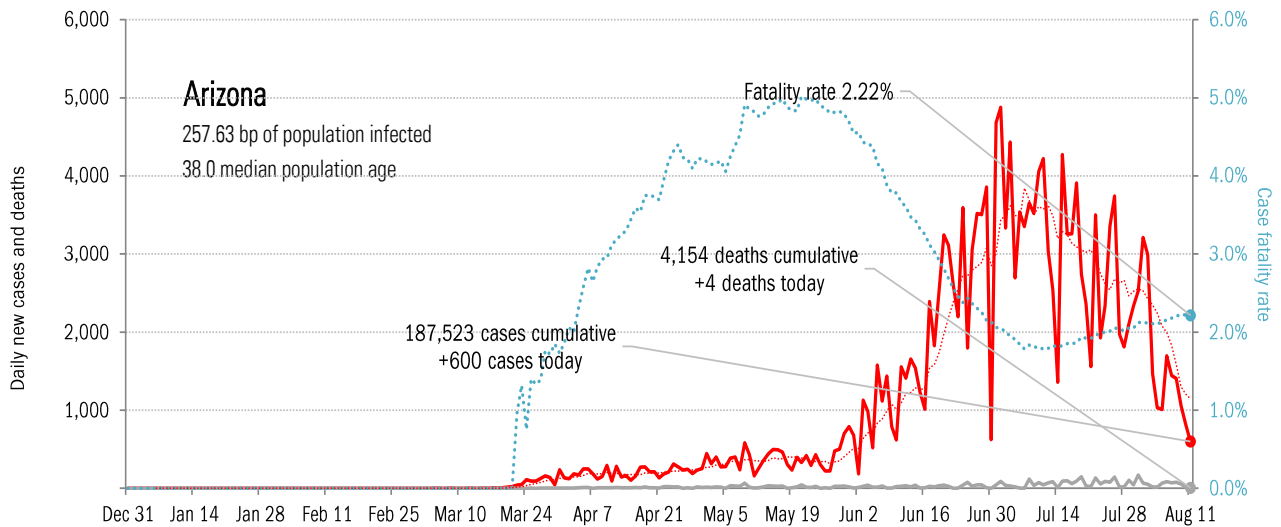
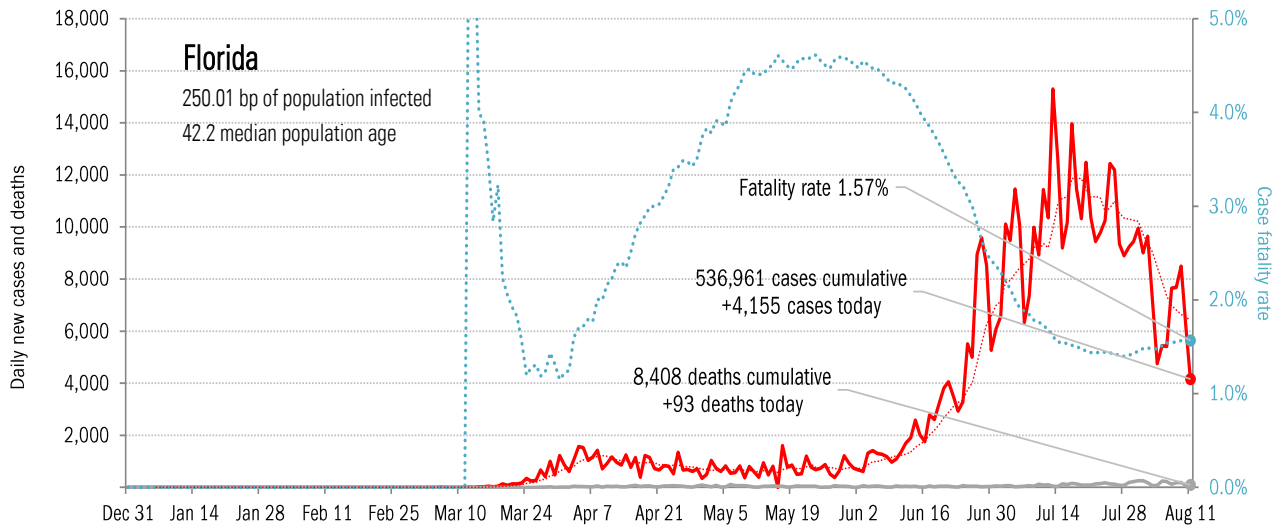
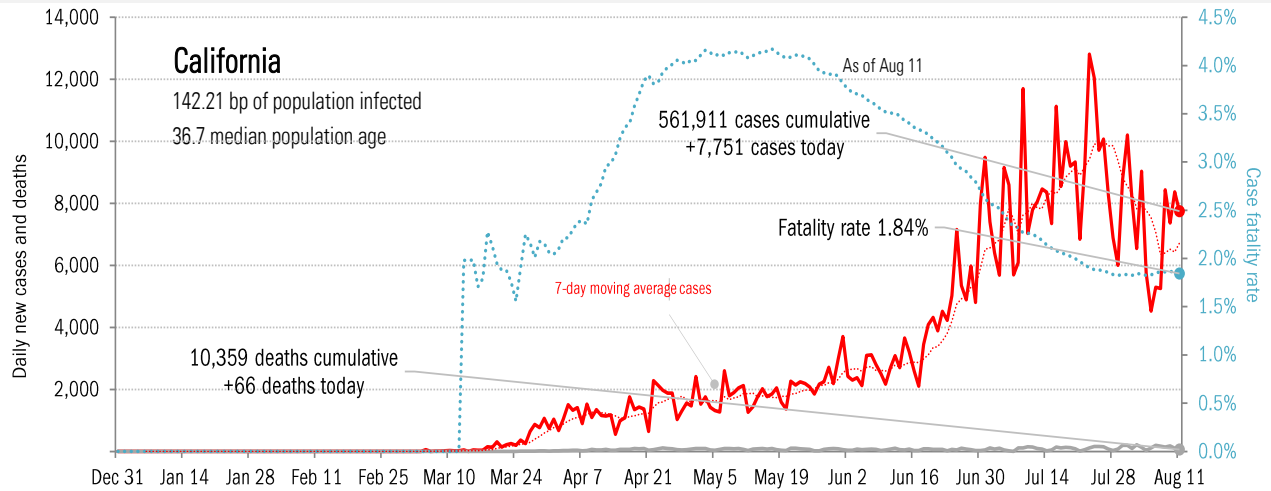
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



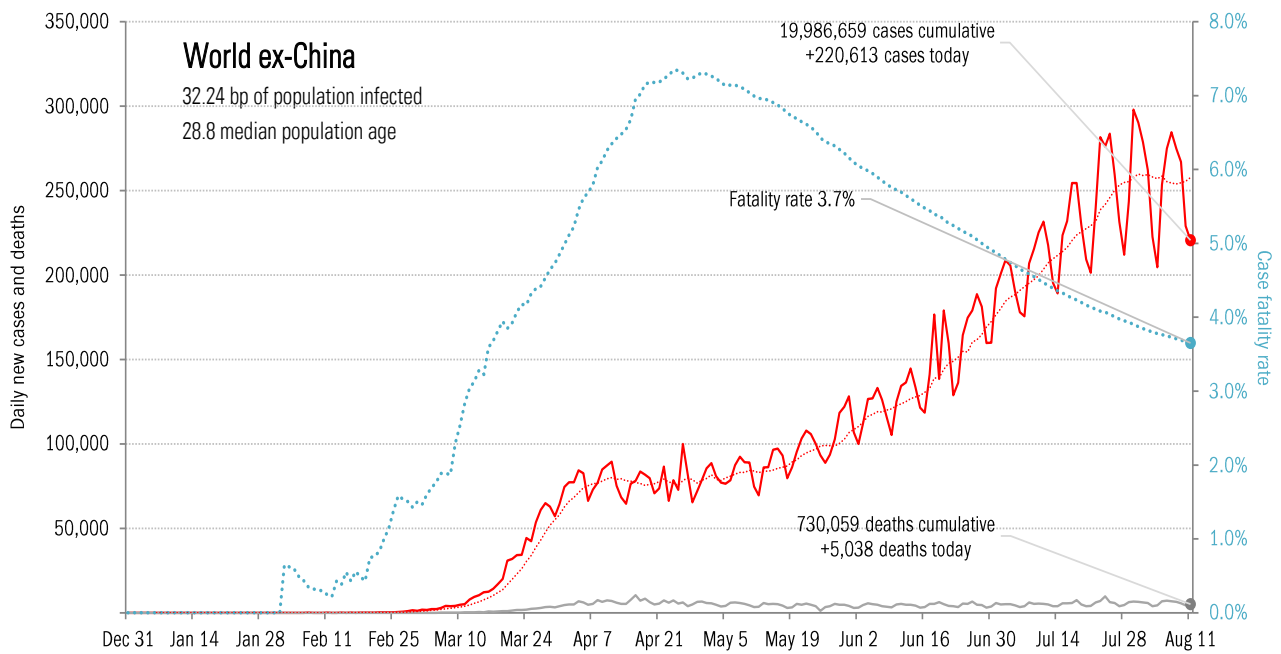
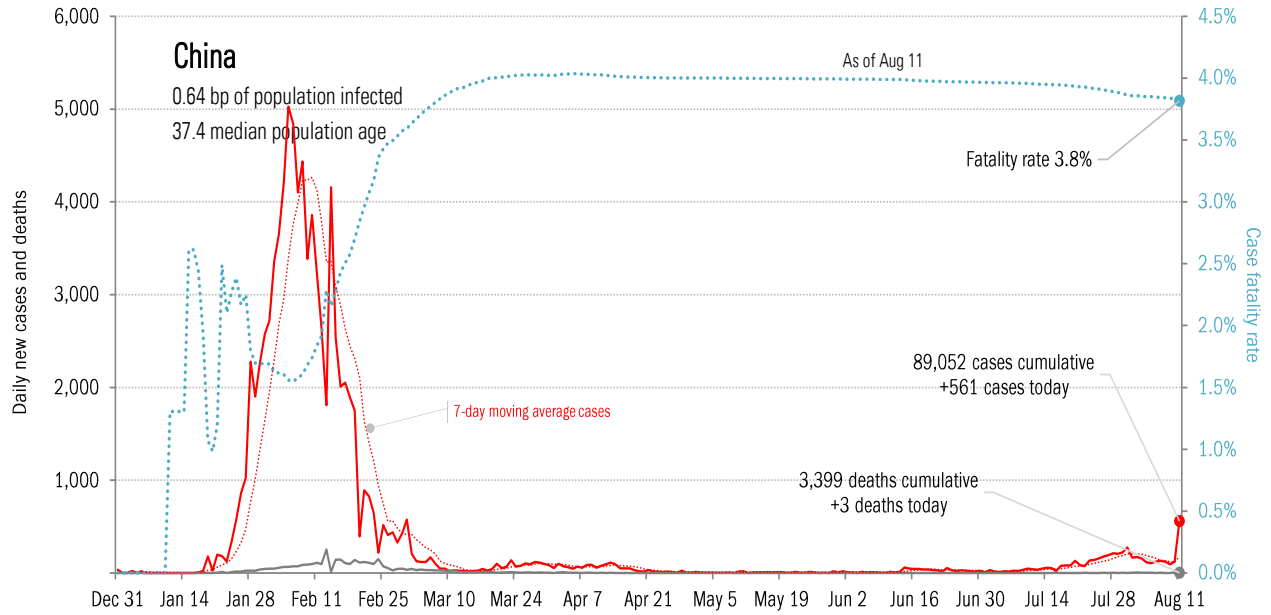
Source: [ECDC](#), TrendMacro calculations

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



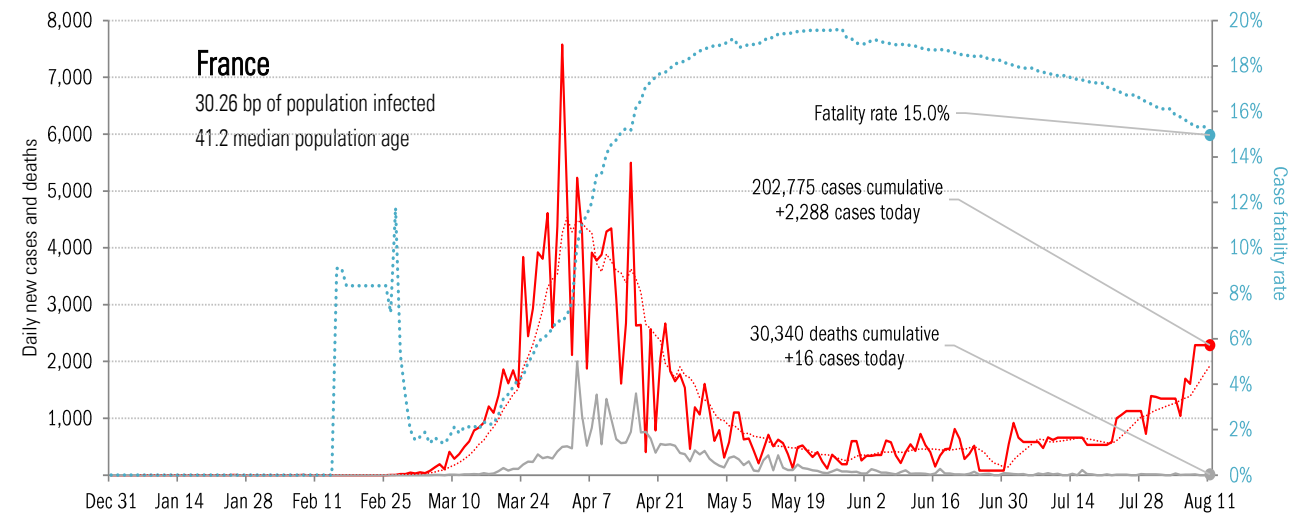
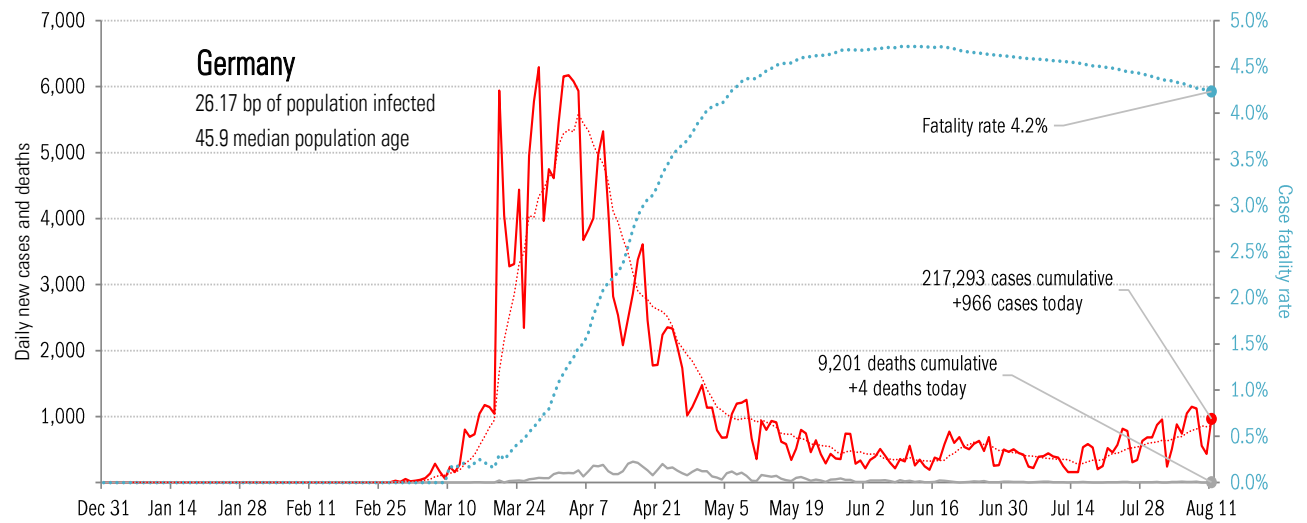
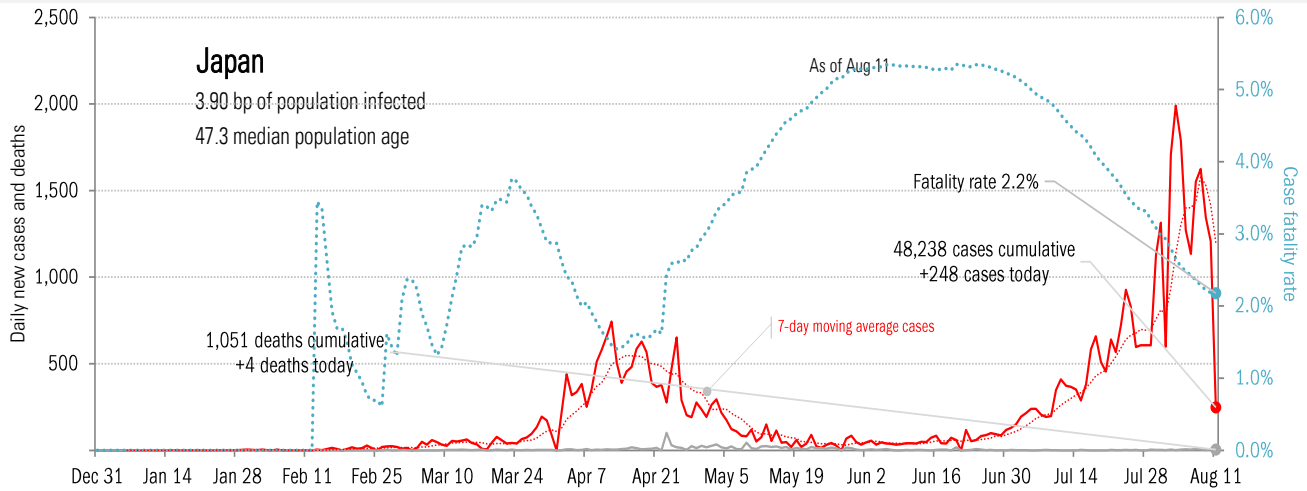
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



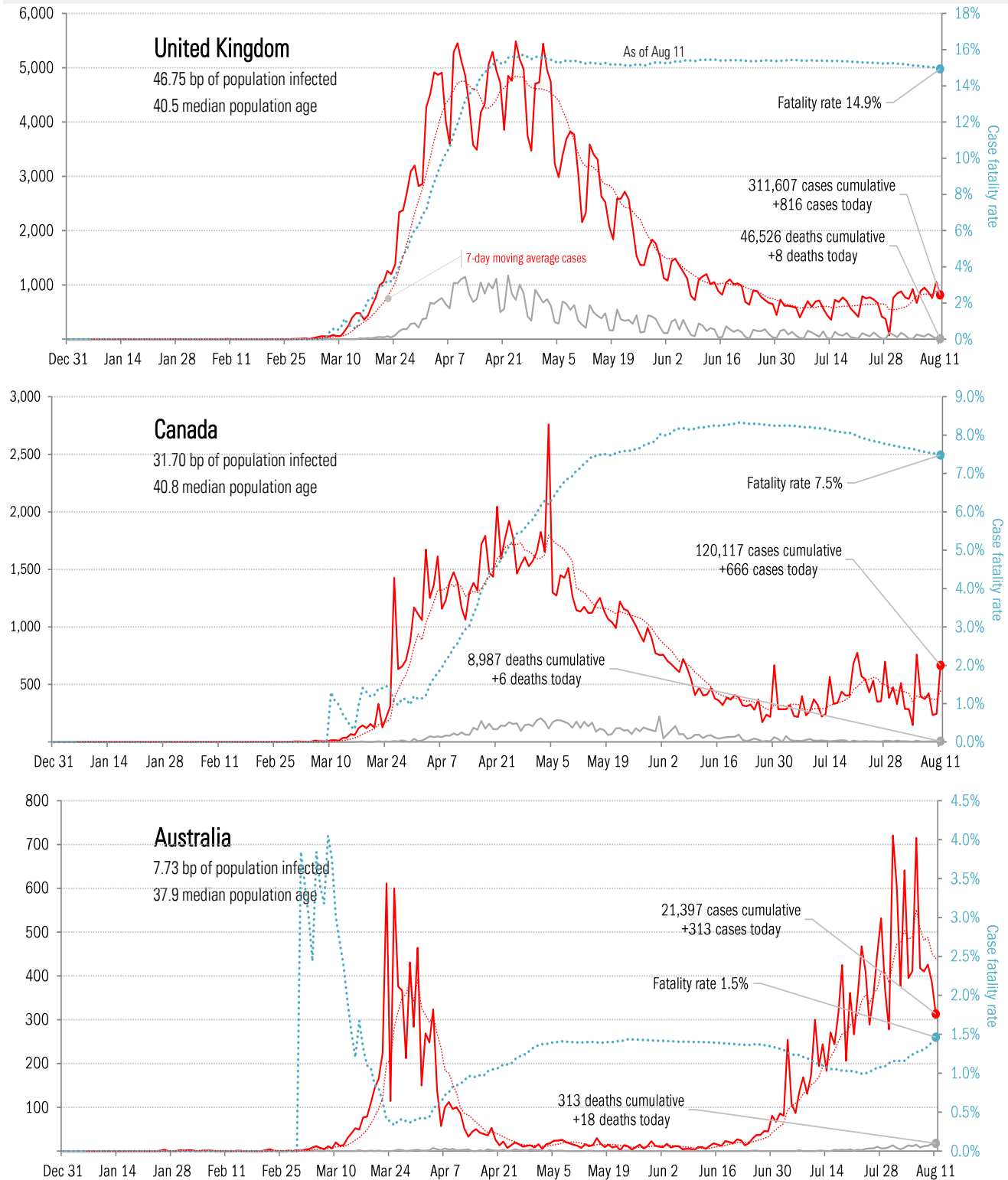
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



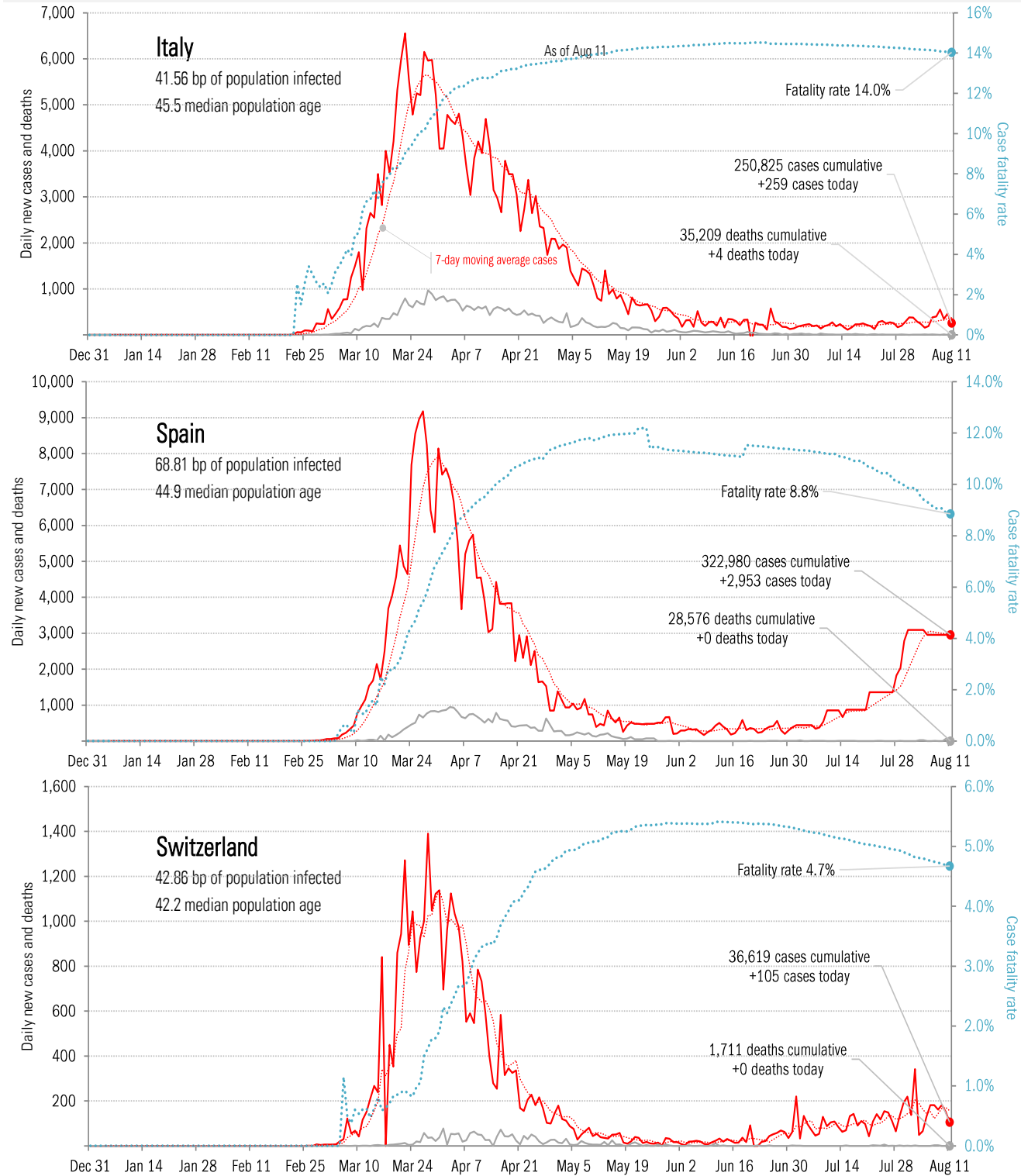
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



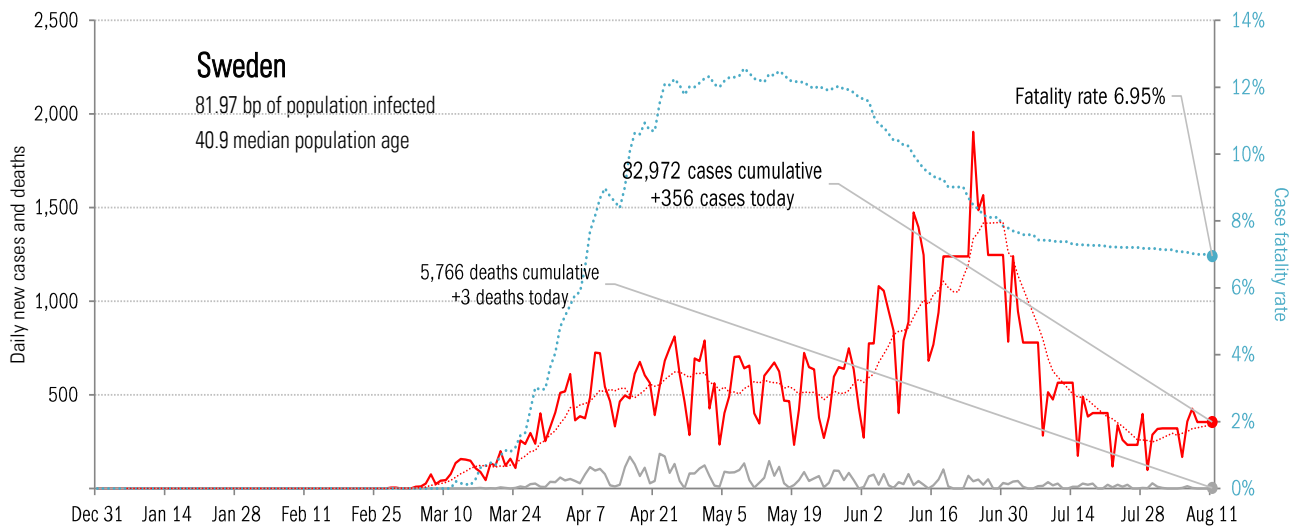
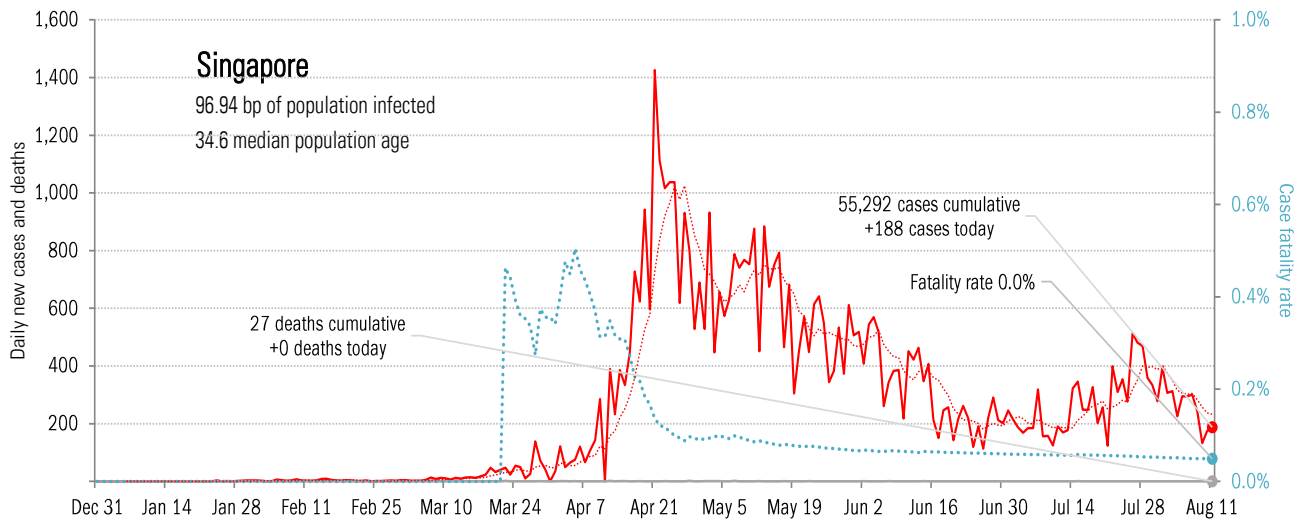
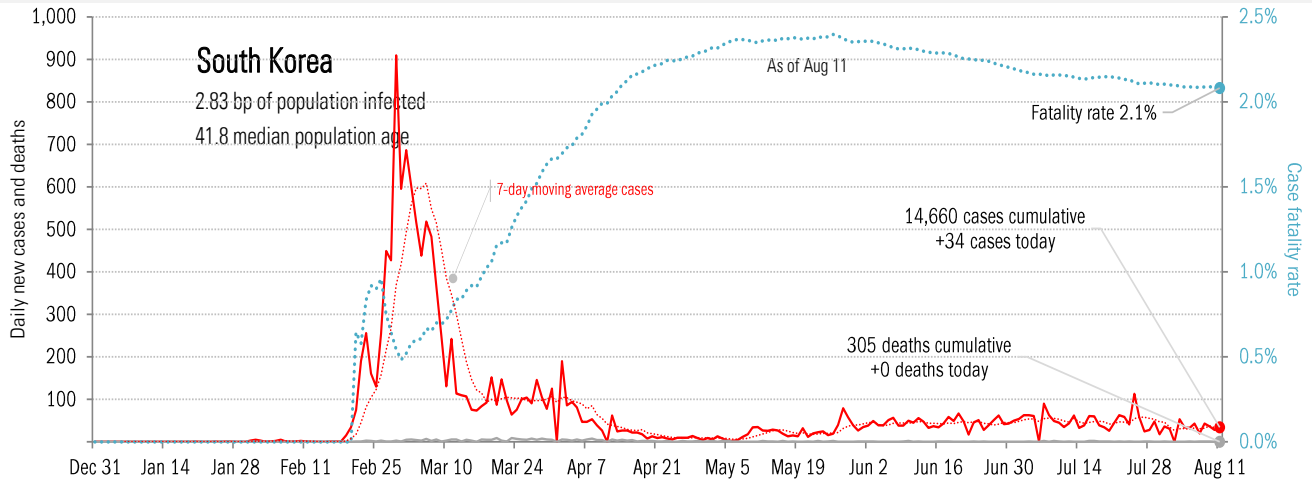
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



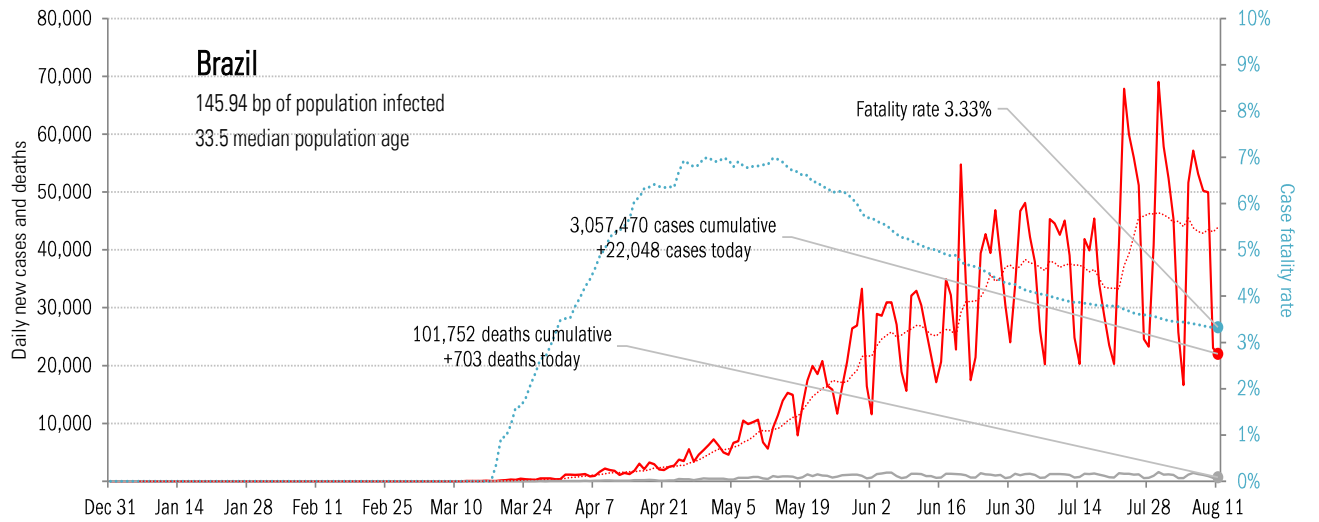
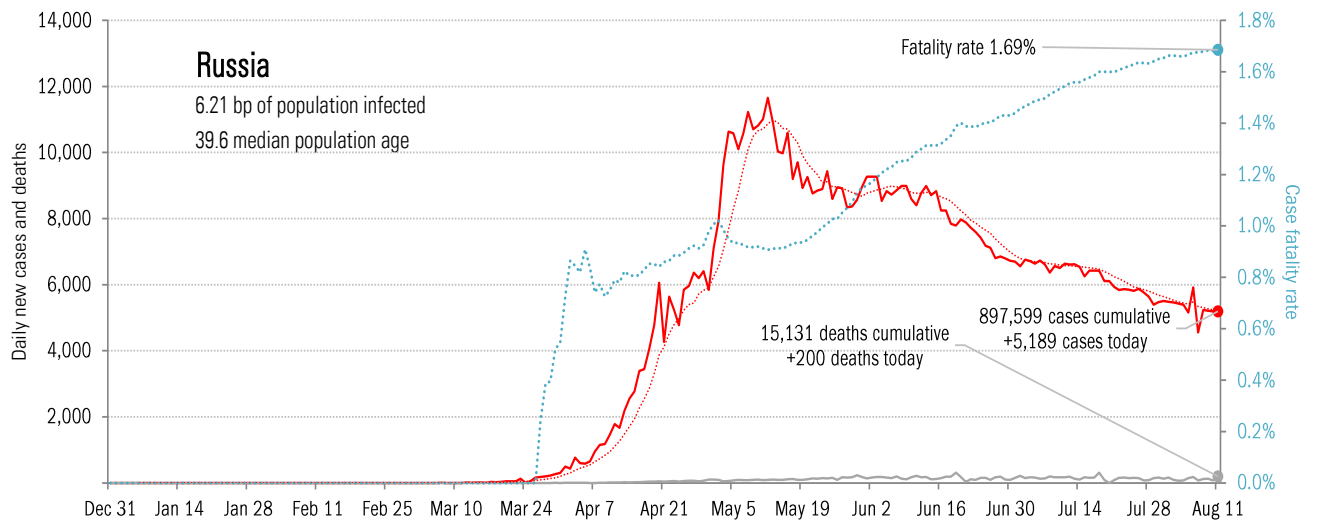
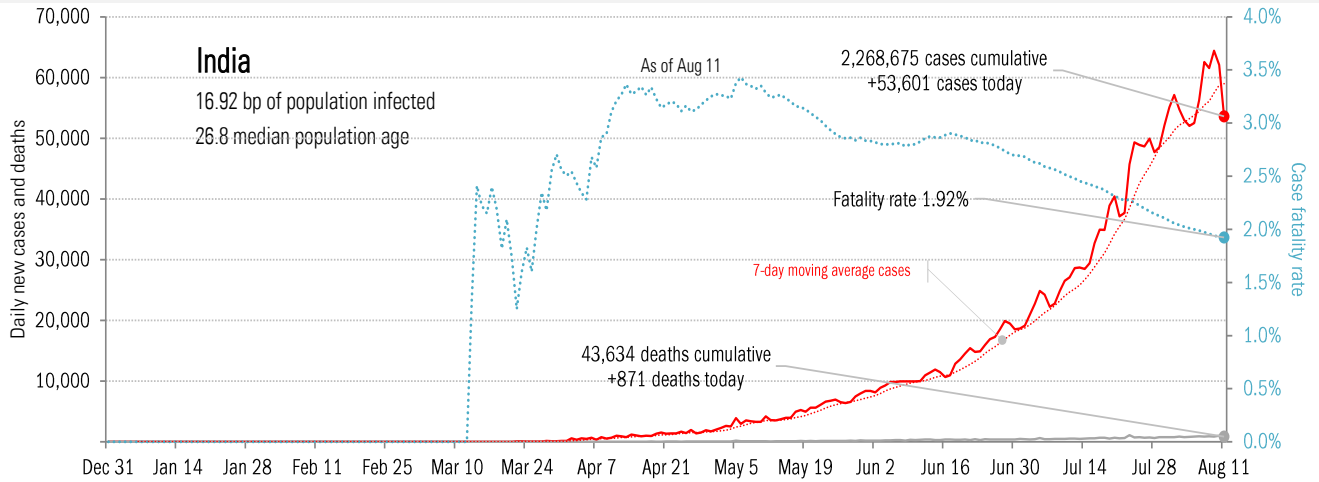
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



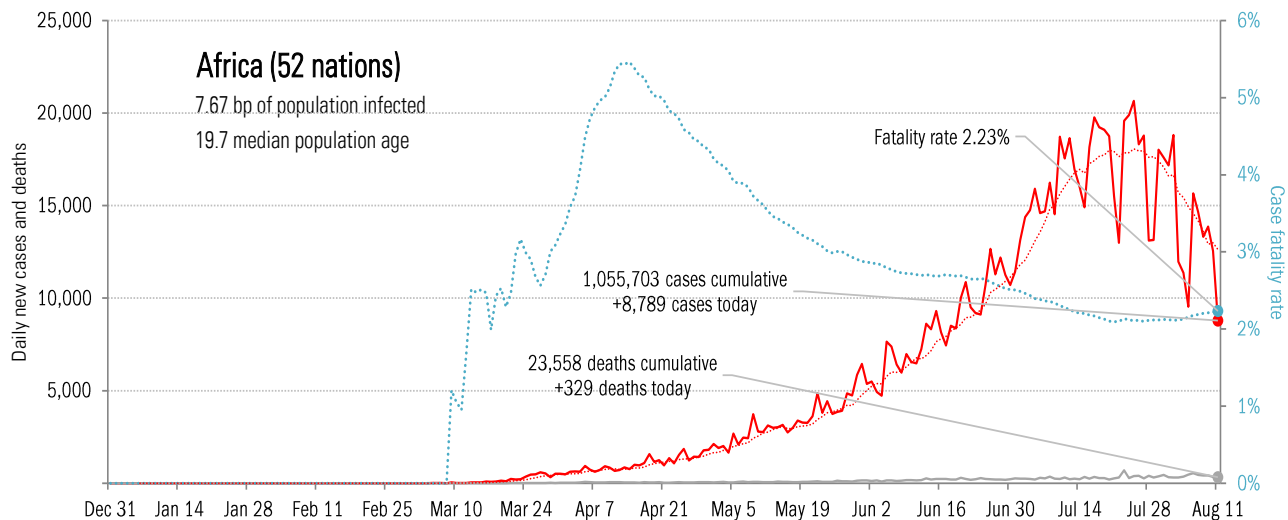
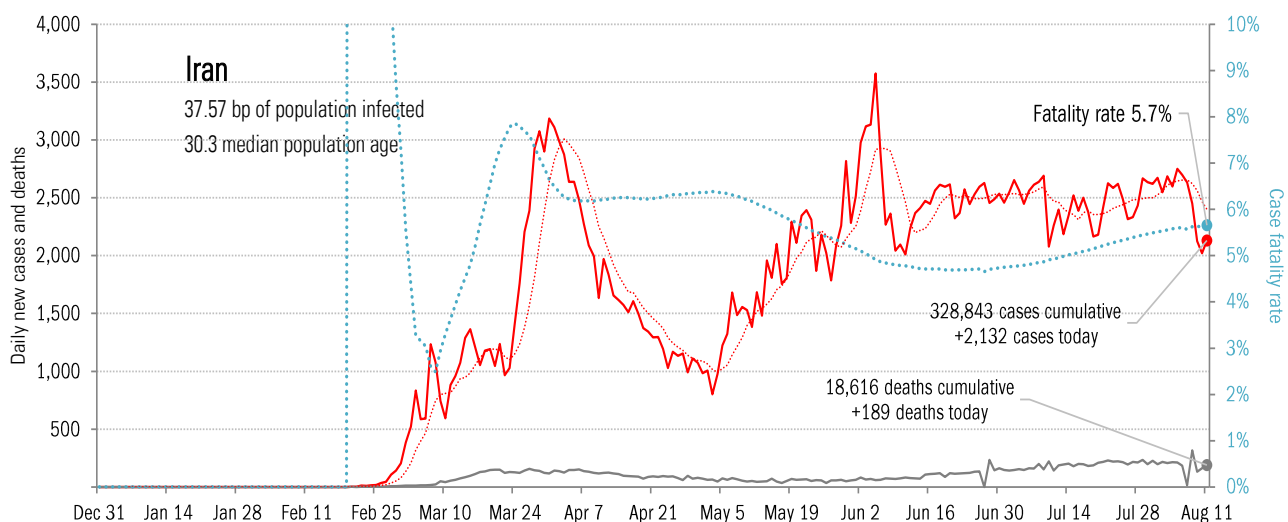
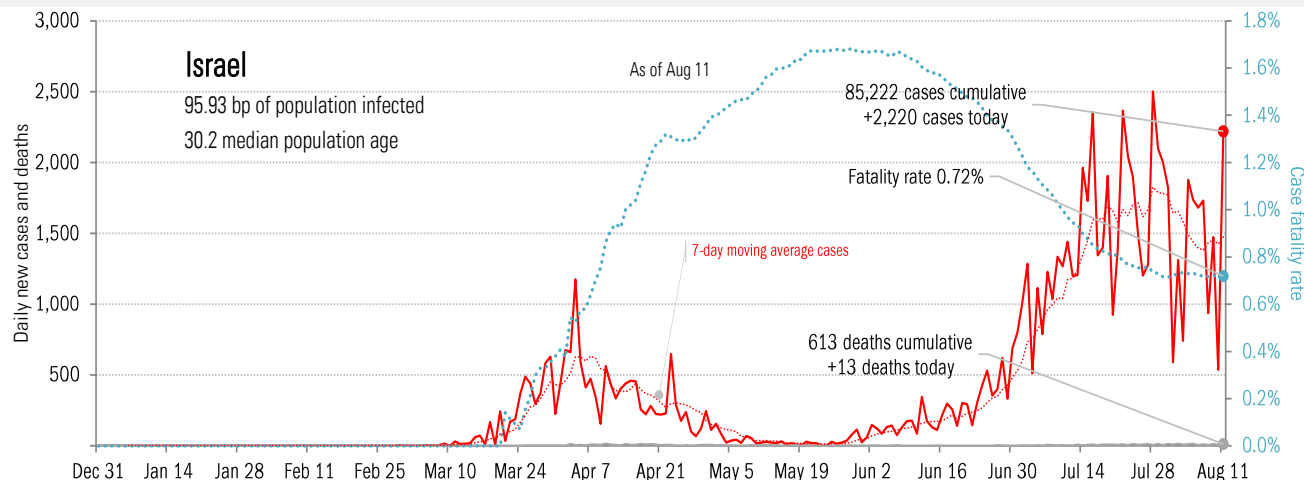
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations