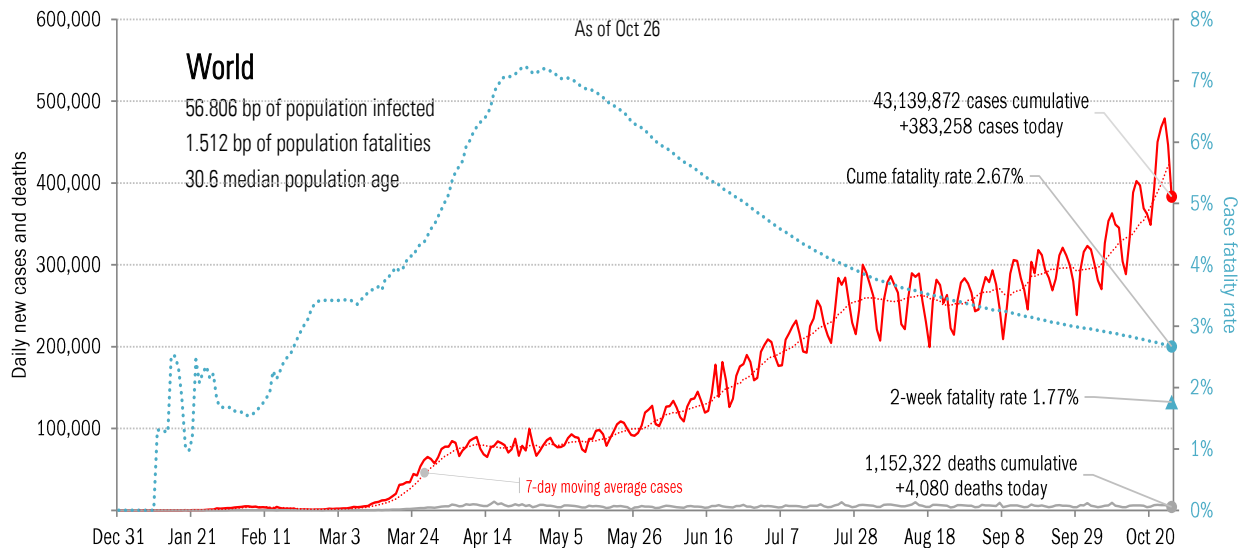
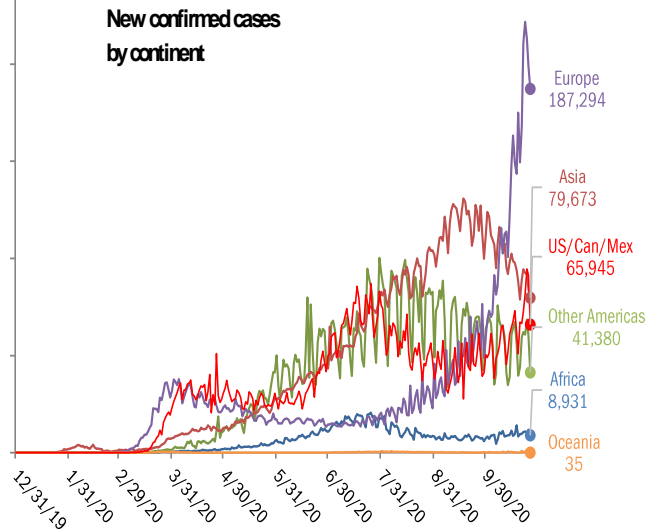


Data Insights: Covid-2019 Monitor

Monday, October 26, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
US	+59,440	India	+480
France	+52,010	US	+331
India	+45,148	Iran	+296
Italy	+21,273	Argentina	+283
Spain	+19,851	Brazil	+231
UK	+19,790	Russia	+229
Russia	+16,710	Mexico	+181
Brazil	+13,493	Colombia	+154
Poland	+11,742	UK	+151
Netherlands	+10,194	Italy	+128
+269,651		+2,464	
World	+383,258	World	+4,080
Top ten	70%	Top ten	60%



Source: [ECDC](#), 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

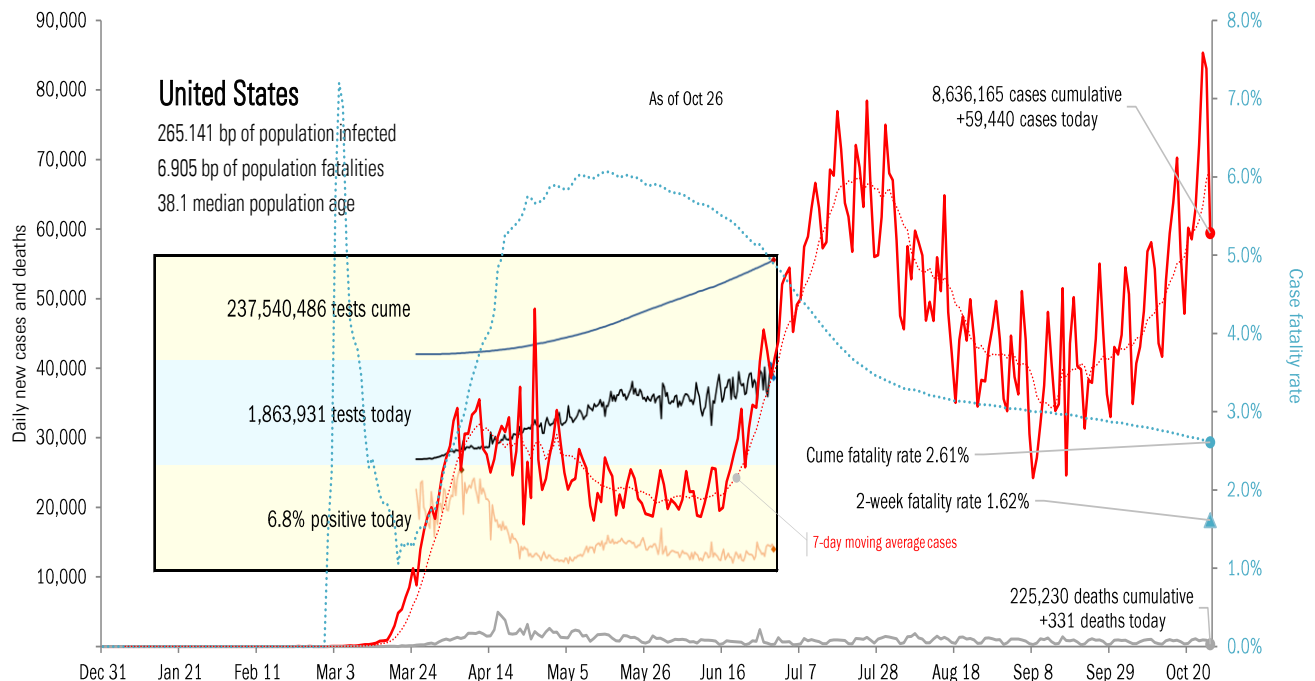
The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
CA	+5,219	TX	+48	TX	+211	CA	898,029	NY	25,730	NY	89,995
TX	+4,304	CA	+34	FL	+57	TX	862,375	TX	17,504	FL	48,766
IL	+4,062	TN	+31	WI	+56	FL	778,636	CA	17,345	NJ	37,287
WI	+3,778	MA	+25	CO	+49	NY	495,464	FL	16,632	GA	31,068
TN	+3,500	IL	+24	NM	+35	IL	378,969	NJ	16,285	AZ	21,086
FL	+2,385	MN	+21	PA	+17	GA	350,923	MA	9,864	VA	20,499
CH	+2,309	LA	+17	AR	+12	NC	260,099	IL	9,775	AL	19,595
IN	+2,153	AR	+15	WY	+12	TN	247,587	PA	8,666	CH	18,095
MO	+2,043	NC	+13	NE	+10	AZ	238,163	GA	7,809	MD	16,757
CO	+1,828	FL	+12	SD	+10	NJ	228,468	MI	7,522	IN	15,767
+31,581		+240		+469		4,738,713		137,132		318,915	
All states	+65,413	All states	+377	All states	-+129	All states	8,597,312	All states	217,023	All states	461,609
Top ten	48%	Top ten	64%	Top ten	-364%	Top ten	55%	Top ten	63%	Top ten	69%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
MI	-3,490	MO	-109	TN	-244	UT	+2
TX	-2,195	FL	-64	IN	-156	AK	+0
IL	-2,099	GA	-41	MO	-133	AL	+0
FL	-2,086	IL	-39	IL	-129	AR	+0
AL	-1,281	MI	-38	ID	-66	AS	+0



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

Recommended reading

[Oxford Covid vaccine trials offer hope for elderly](#)

Sarah Neville, Clive Cookson and Anna Gross
Financial Times
October 25, 2020

[Psychological trauma of longest lockdown mounts in Buenos Aires as Argentina passes 1m cases](#)

Milagros Costabel
The Telegraph
October 20, 2020

[Jeremy Hunt downed tools and 'refused to play' when asked to turn off ventilators in pandemic dry run](#)

Paul Nuki
The Telegraph
October 26, 2020

[Ontario shut down non-urgent health services in the spring. Now hospitals are seeing many more patients with advanced cancers](#)

Megan Ogilvie
The Star
October 24, 2020

[How the MEAN psychologists got us to comply with coronavirus restrictions](#)

Gary Sidley
Coronababble
October 22, 2020

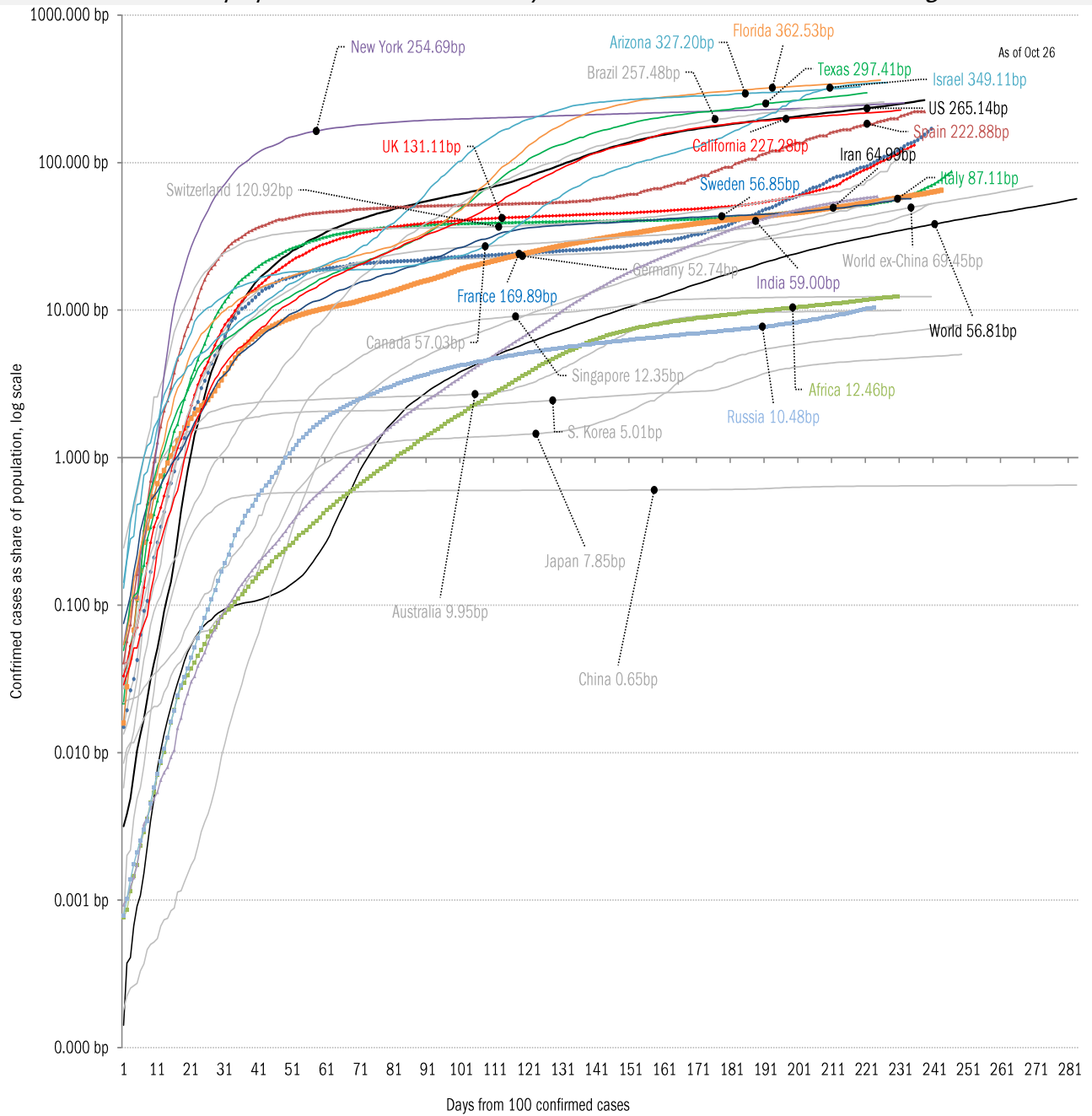
Meme of day

If 2020 was a scented candle.



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

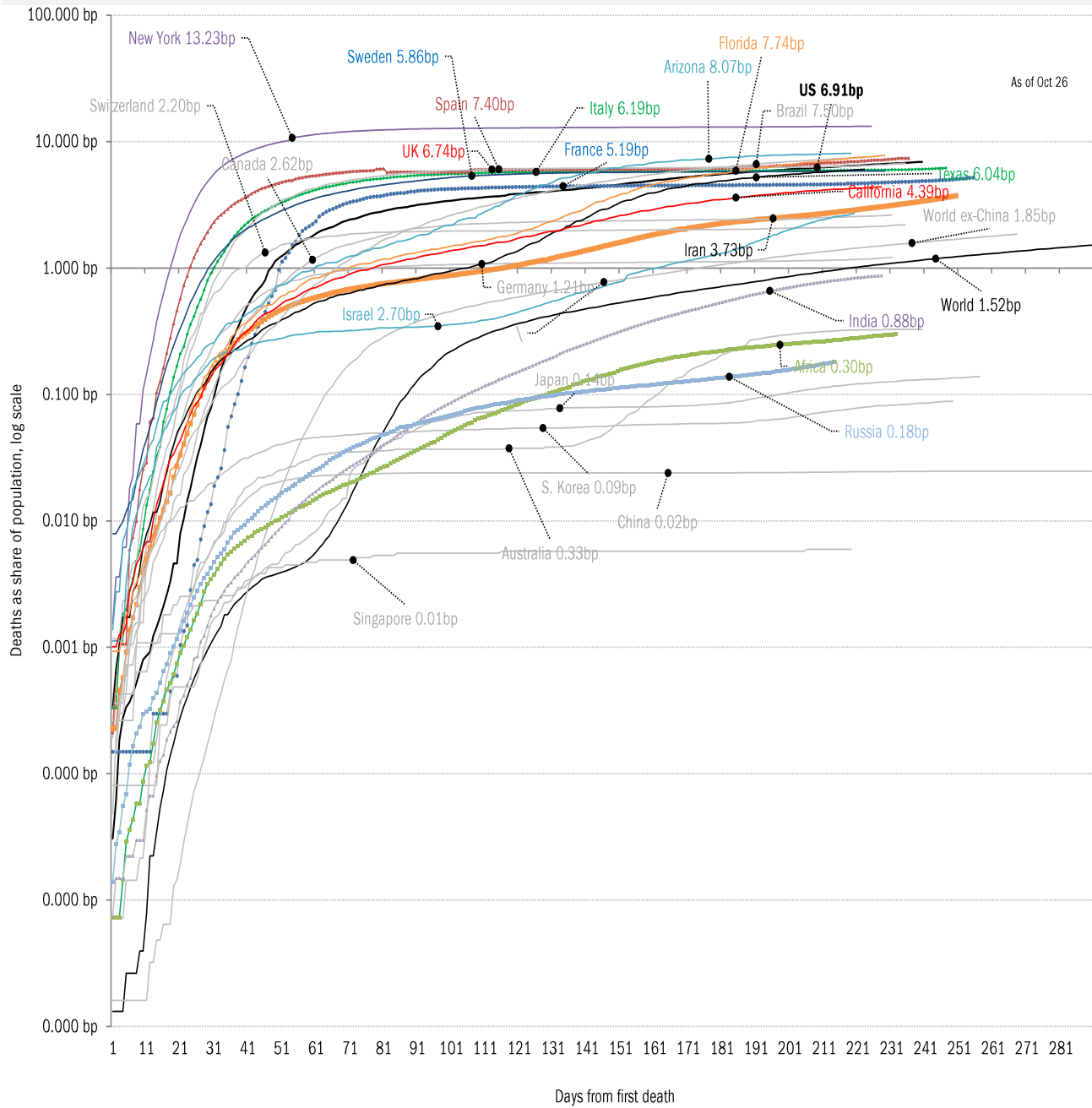
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

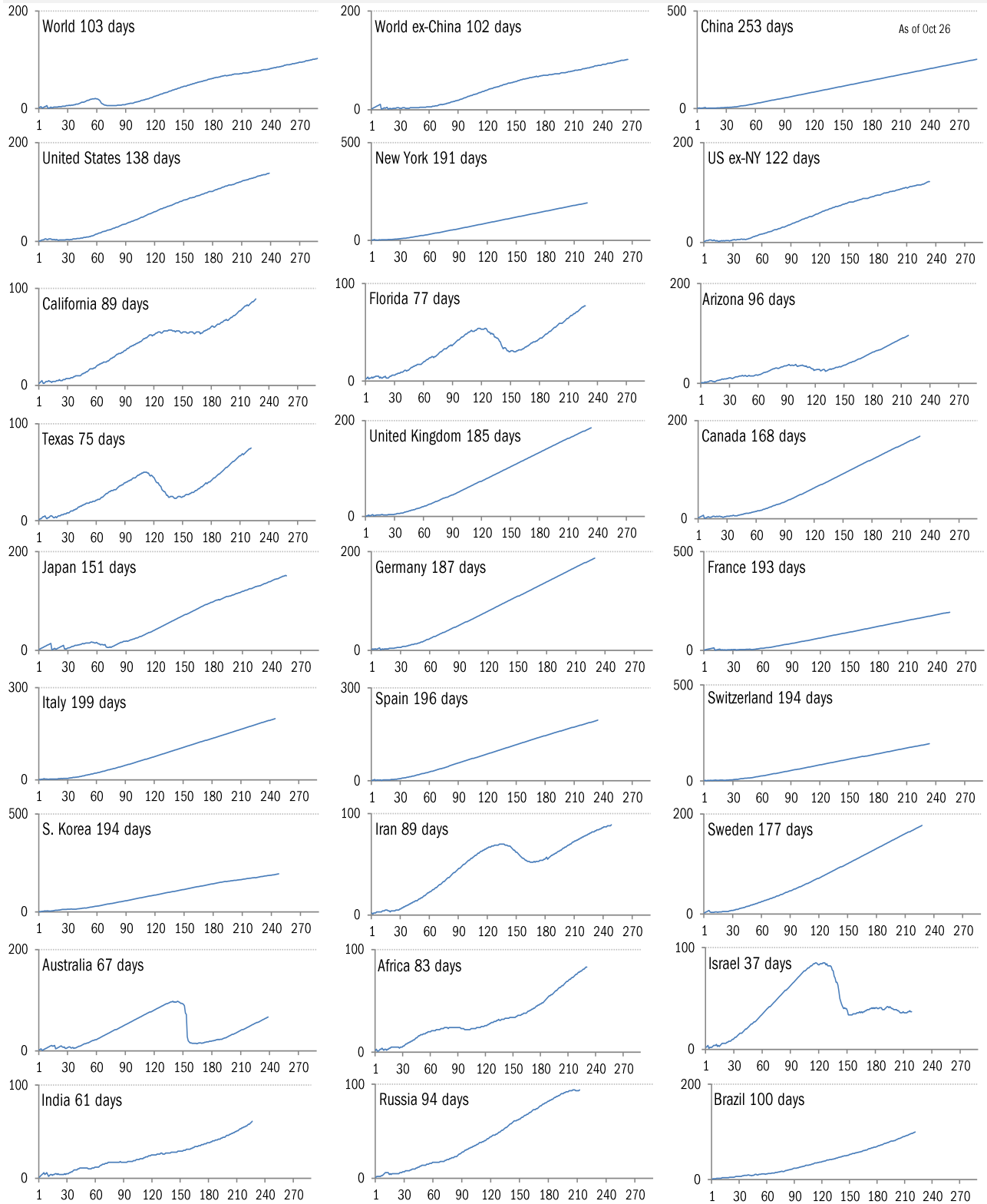


Source: [ECDC](#), TrendMacro calculations

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

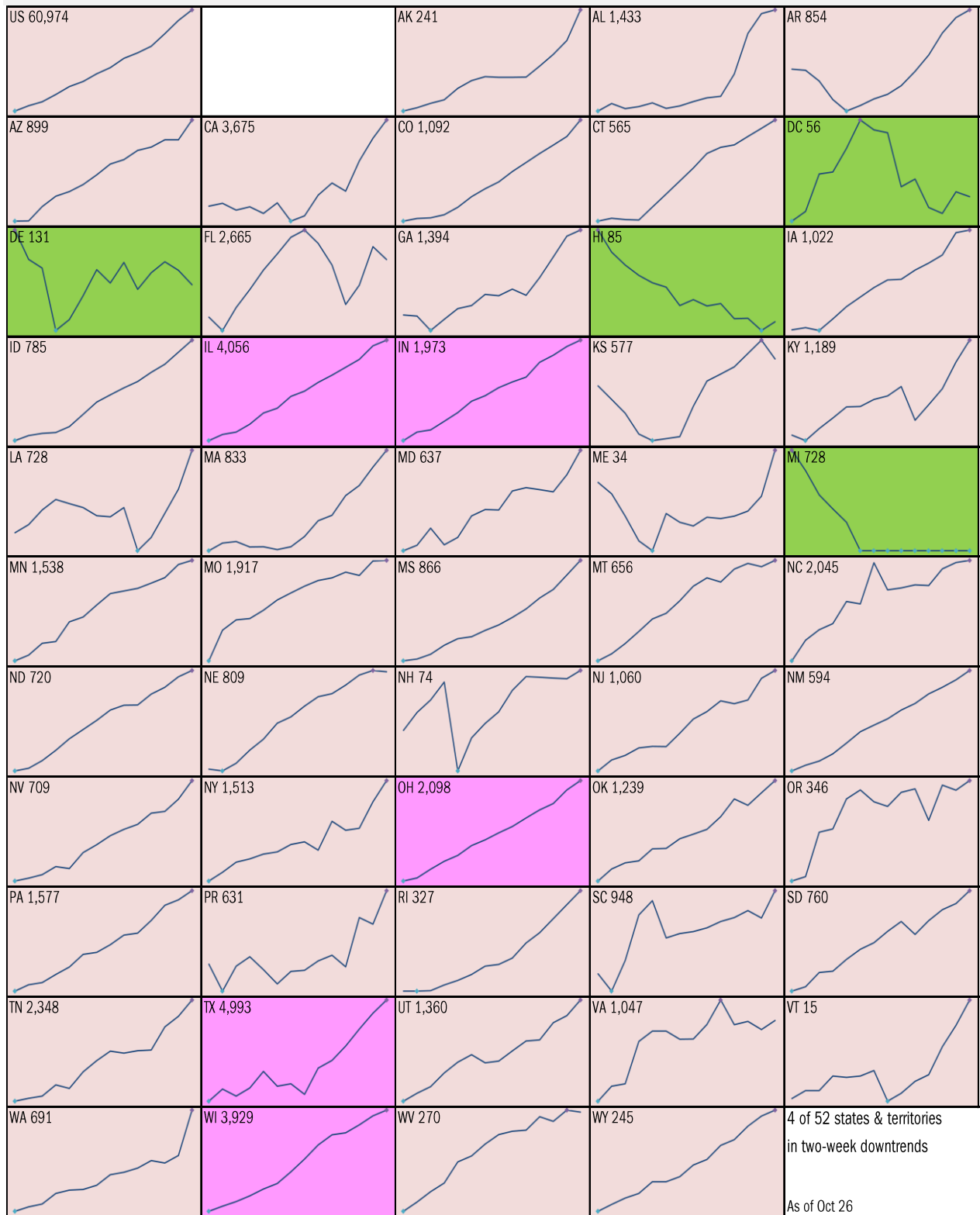
Vertical: days to double deaths Horizontal: days from first death

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

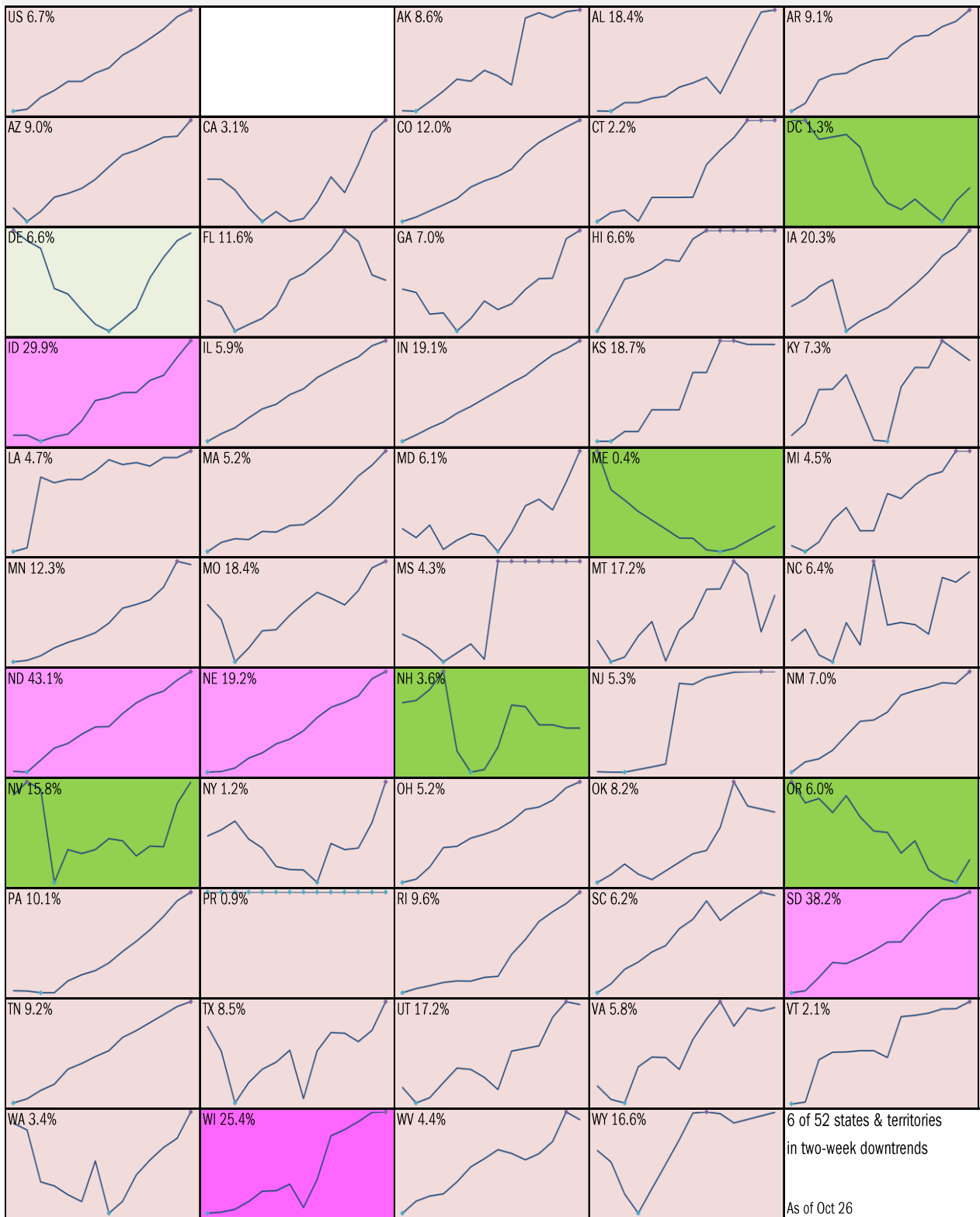


Source: [Covid Tracking Project](#), TrendMacro calculations

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



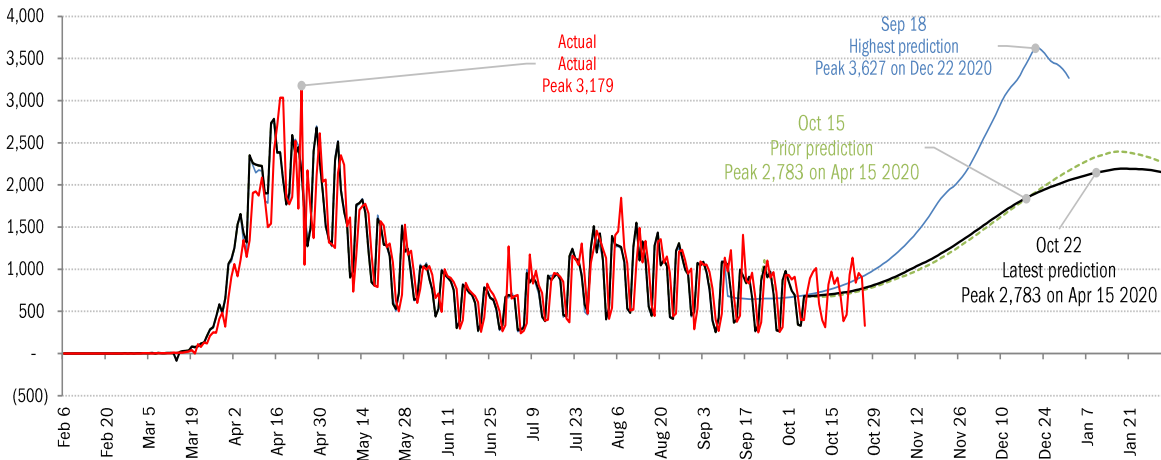
Source: [Covid Tracking Project](#), TrendMacro calculations

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

New daily fatalities

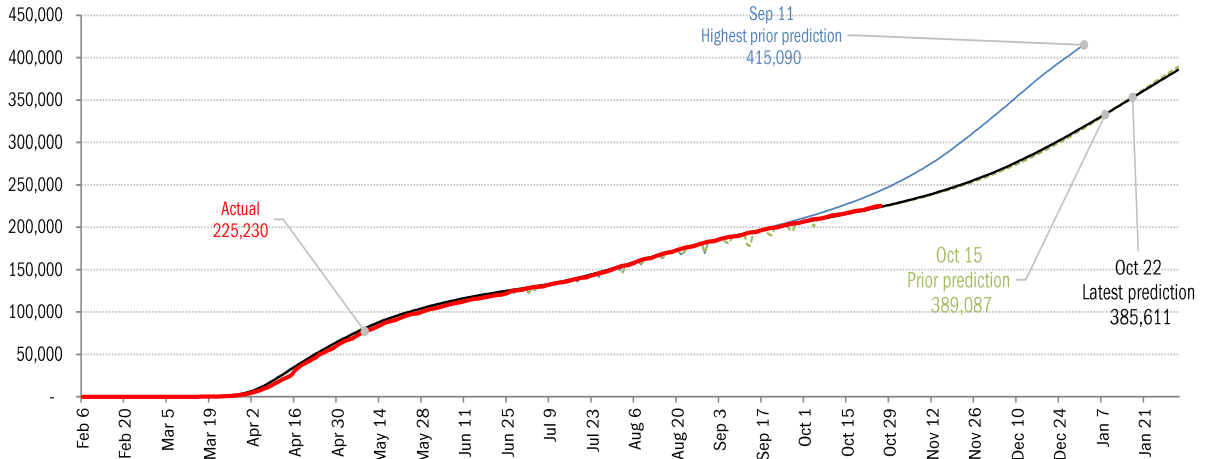
As of Oct 26

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

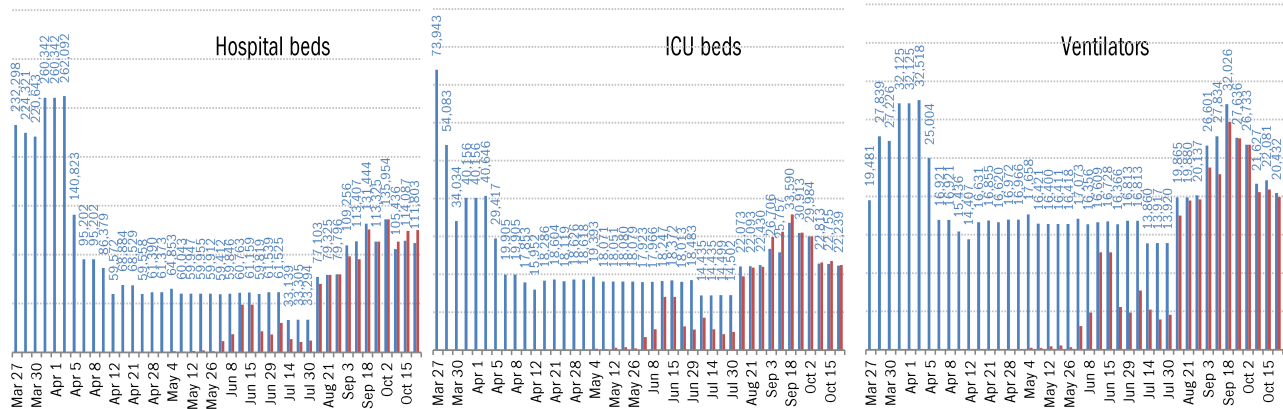


Cumulative fatalities

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

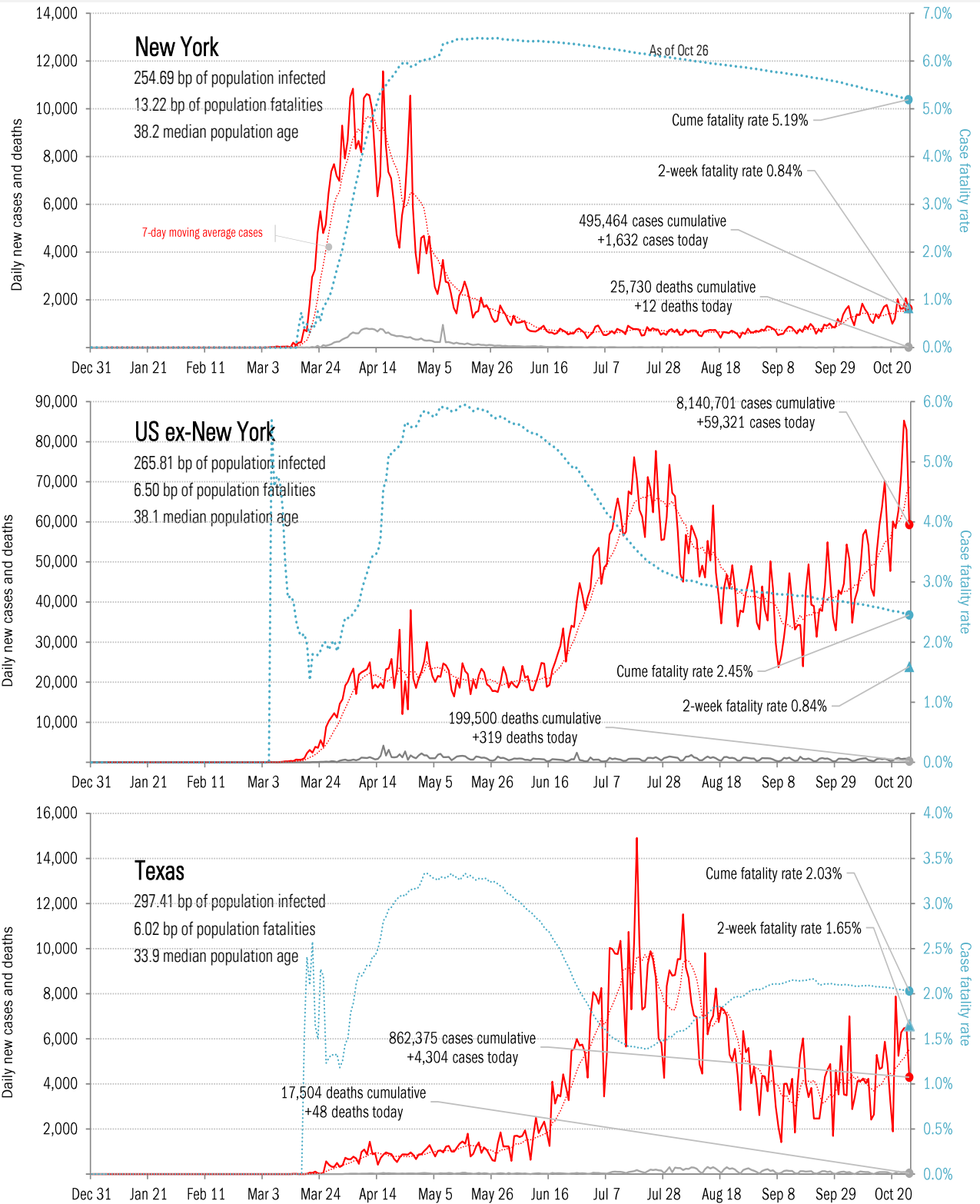


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



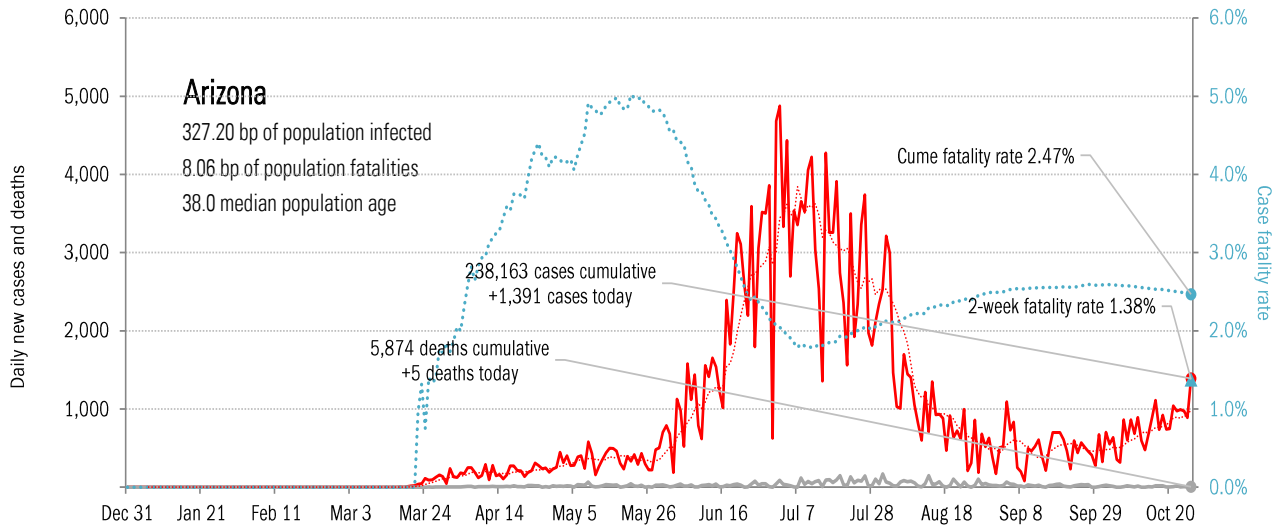
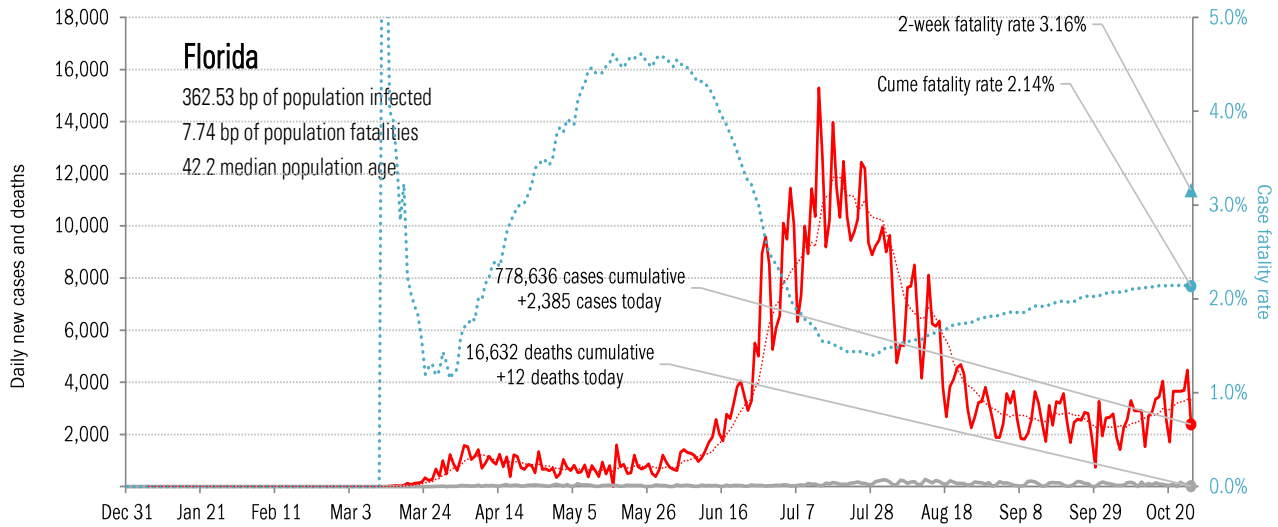
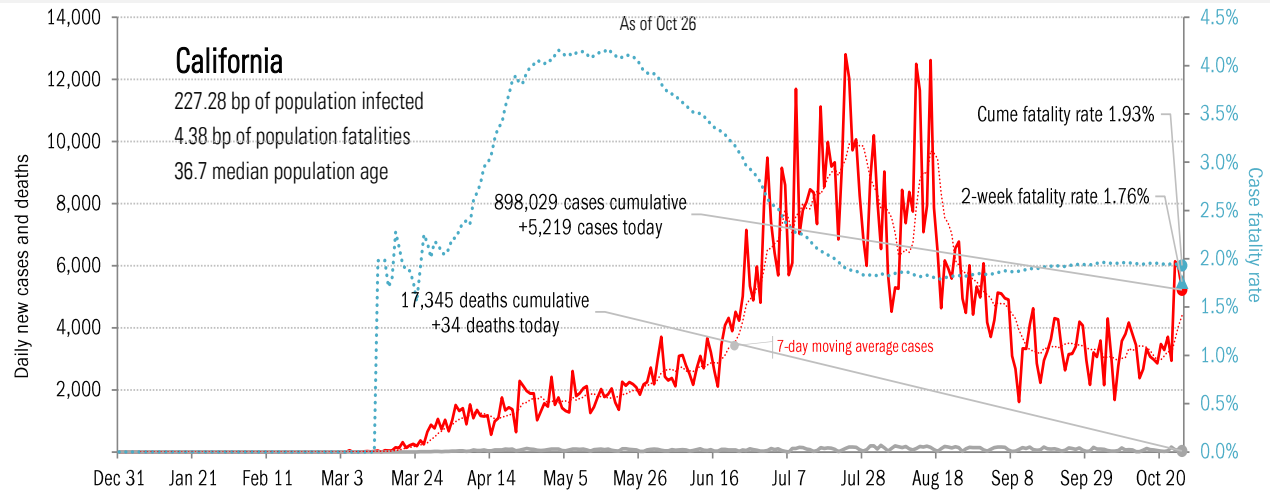
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



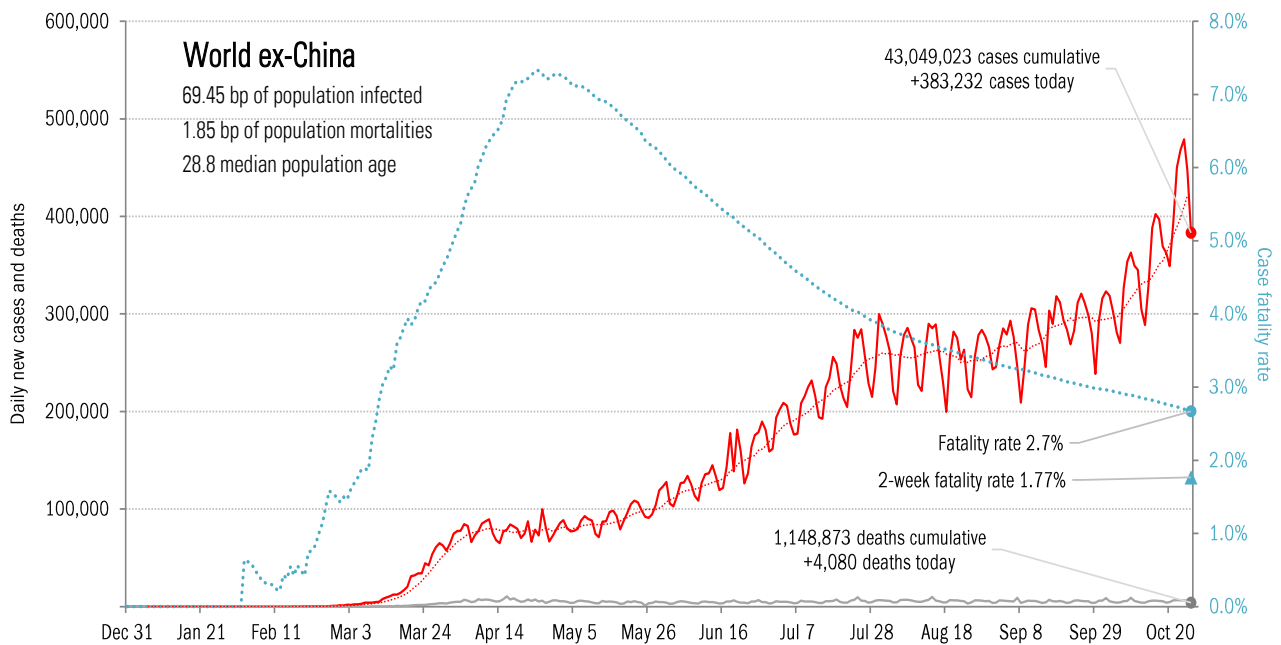
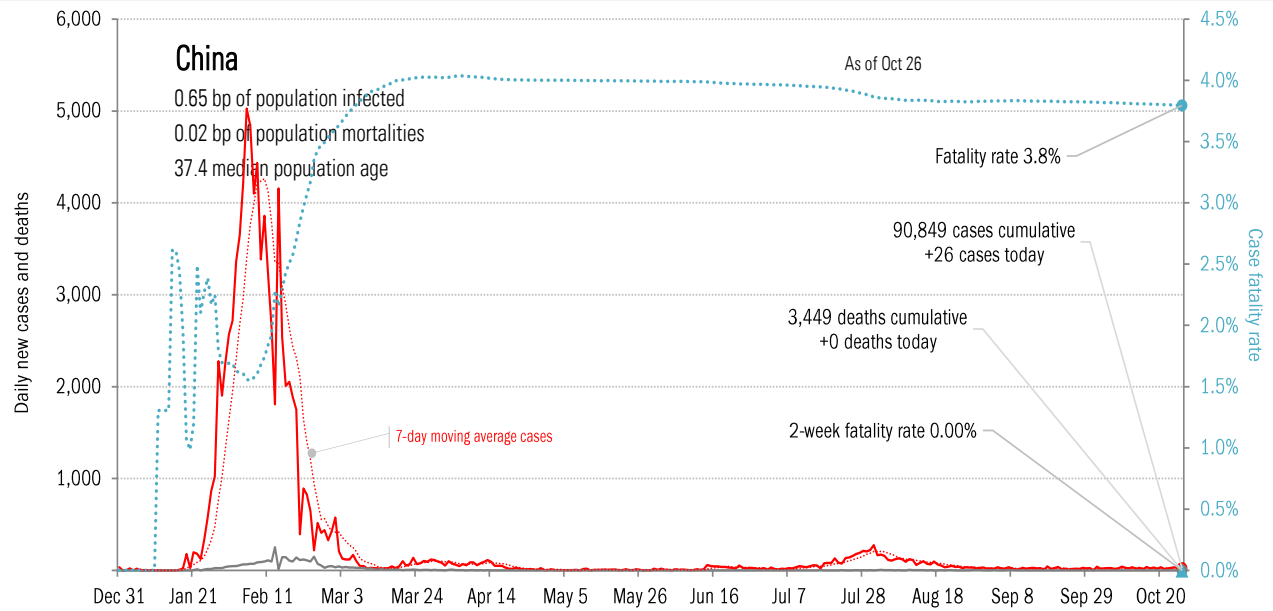
Source: [ECDC](#), TrendMacro calculations

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



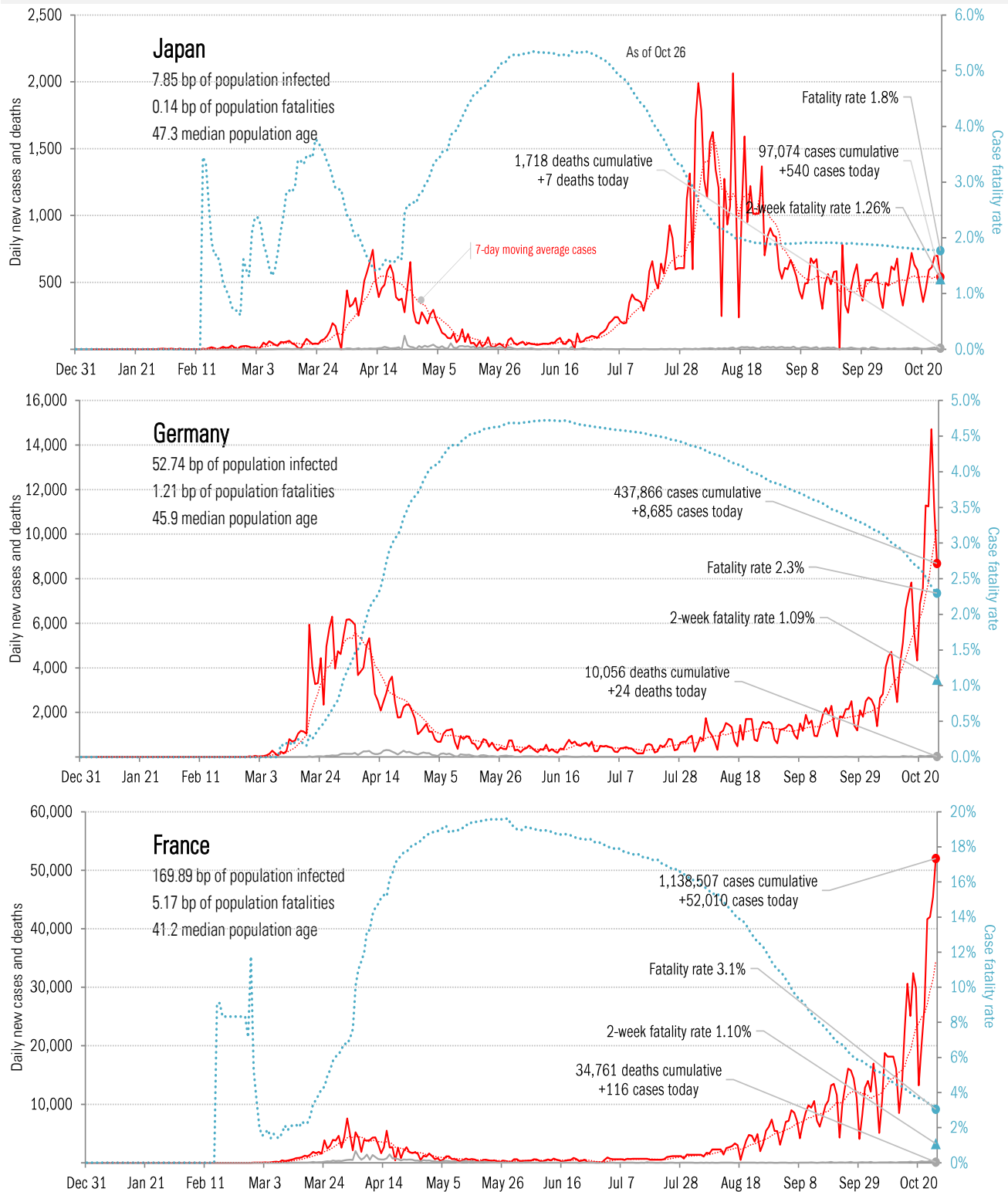
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



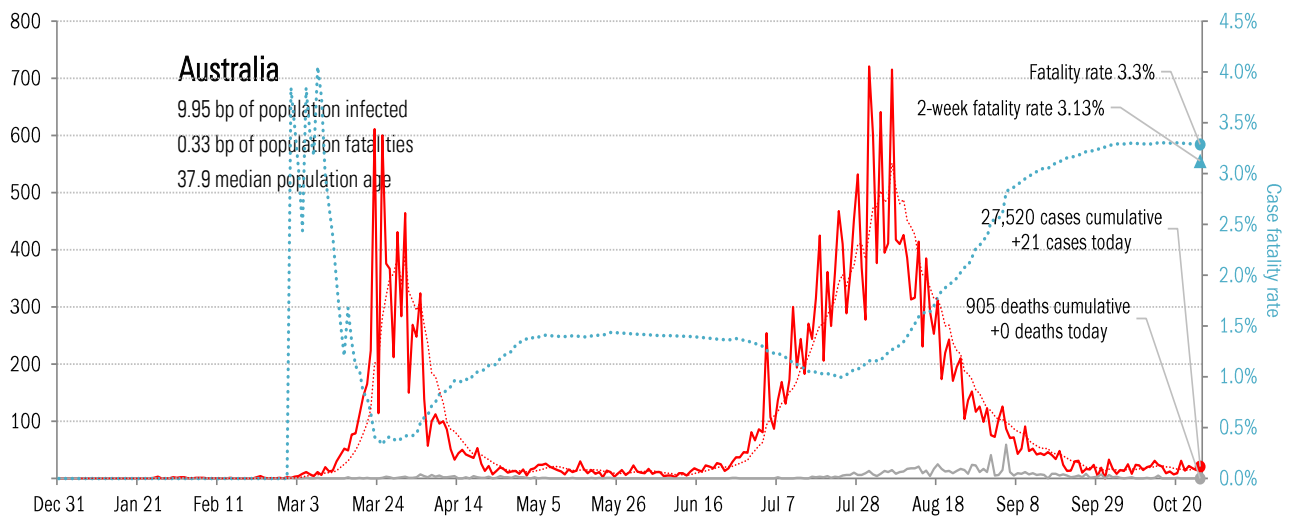
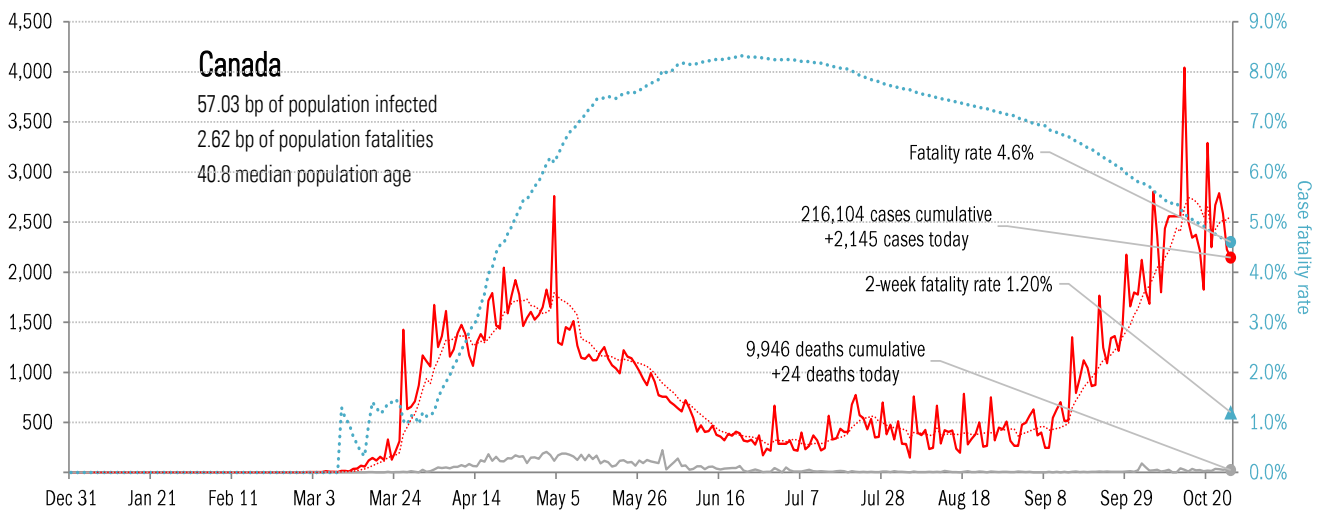
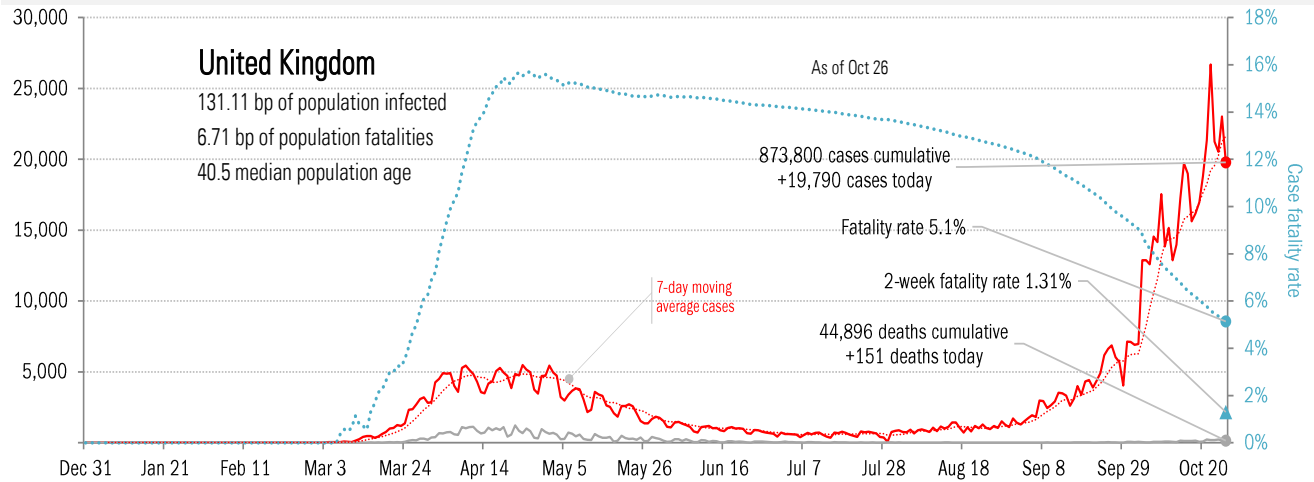
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



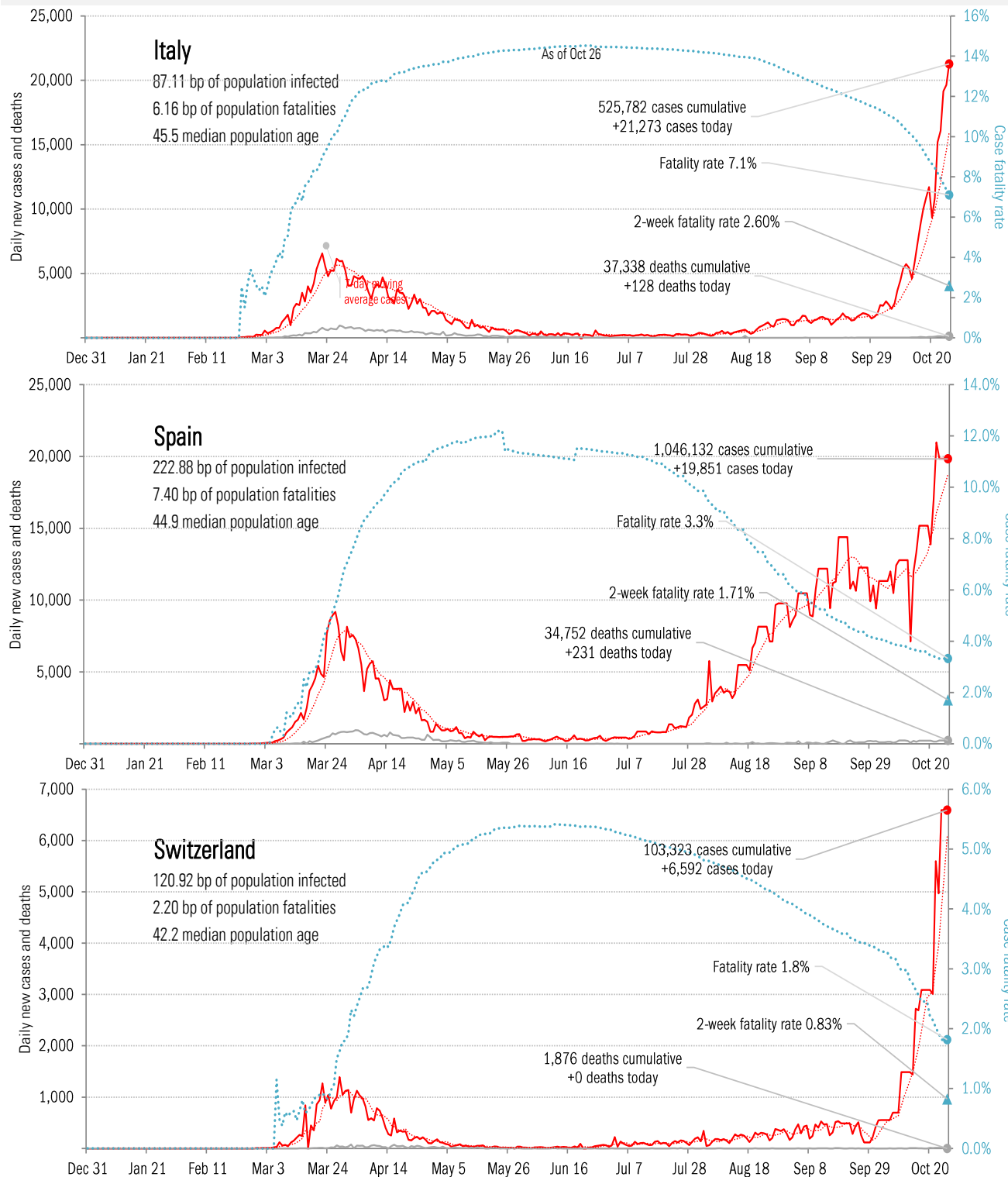
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



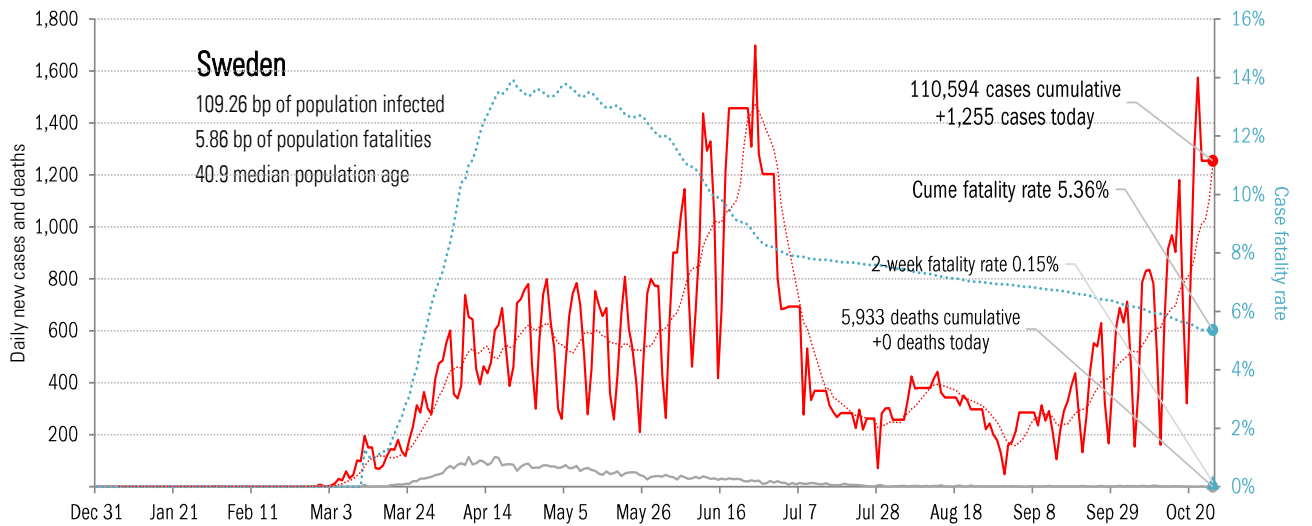
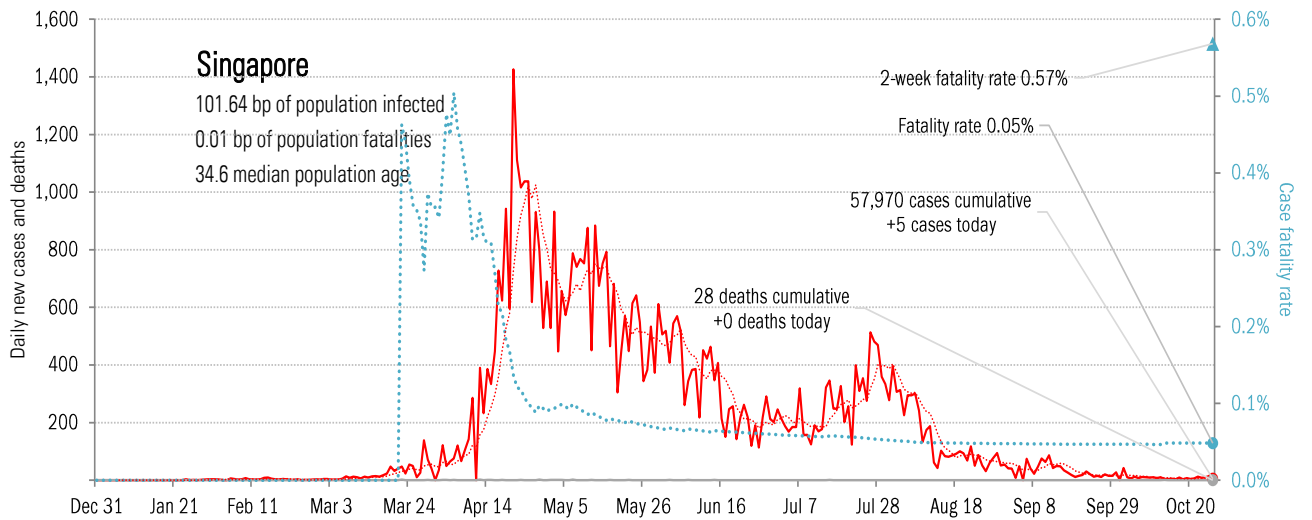
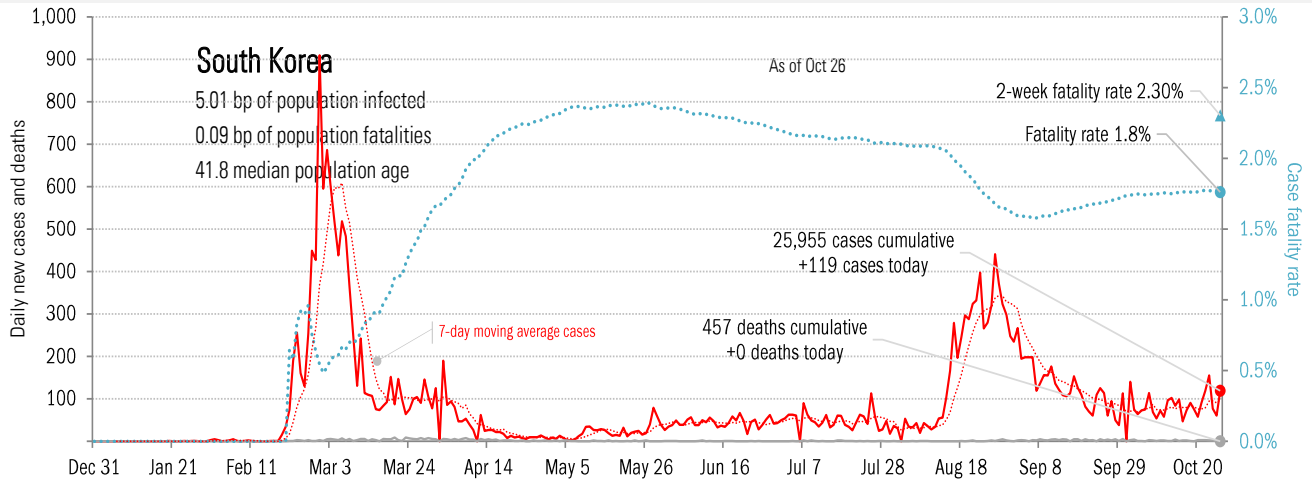
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



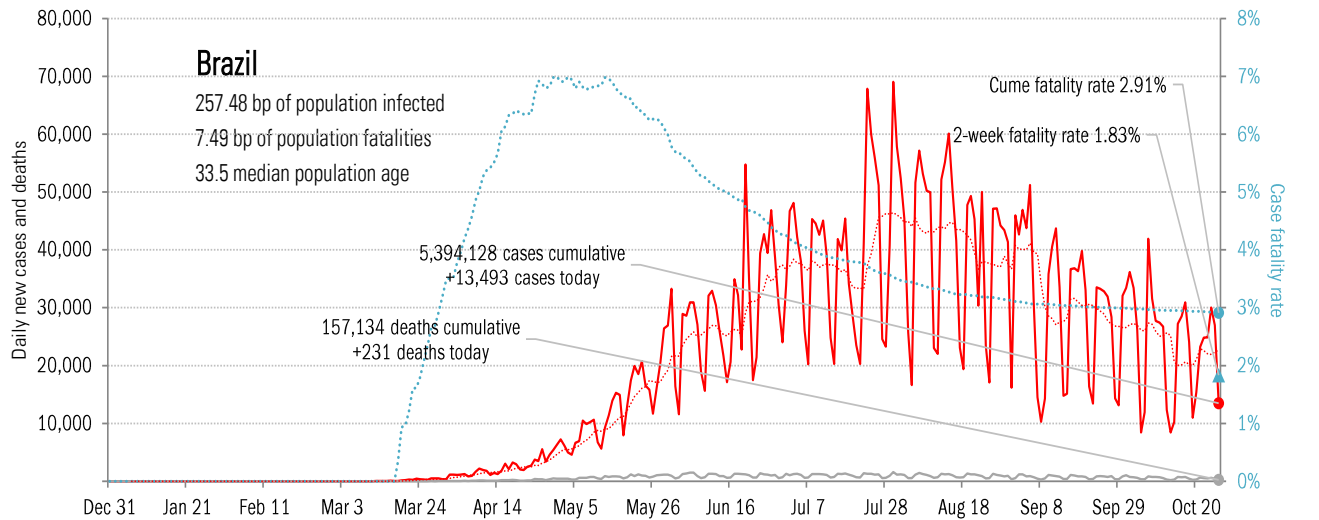
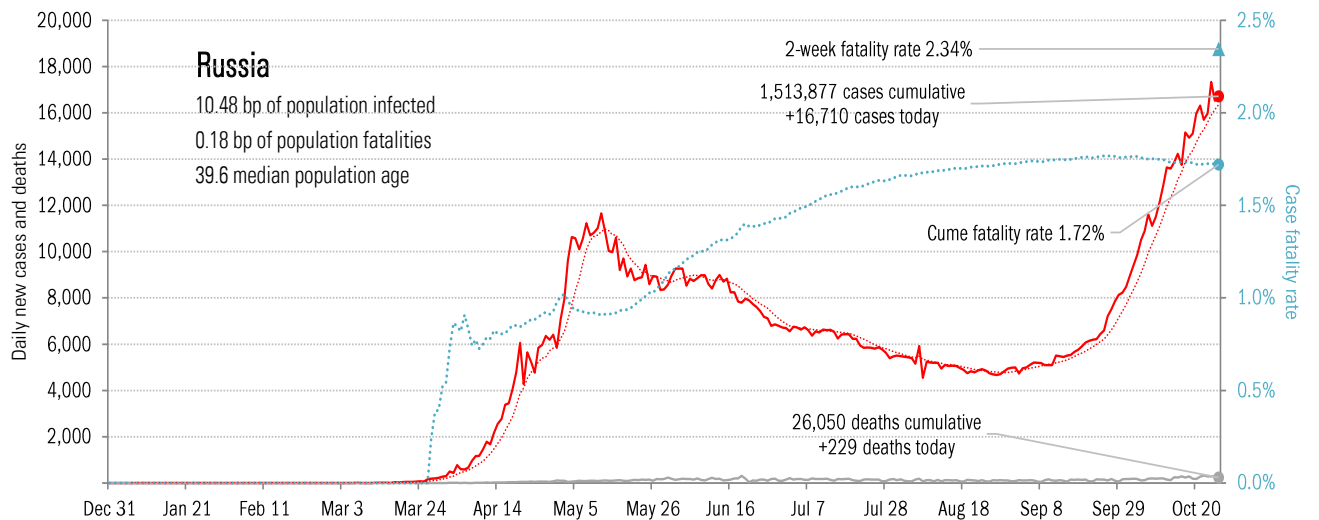
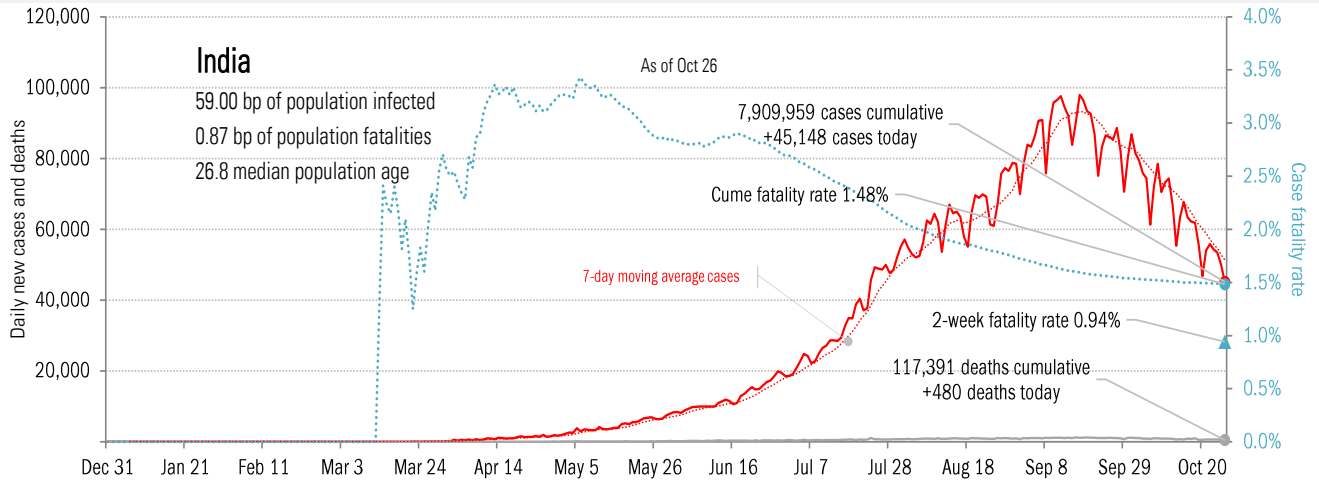
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



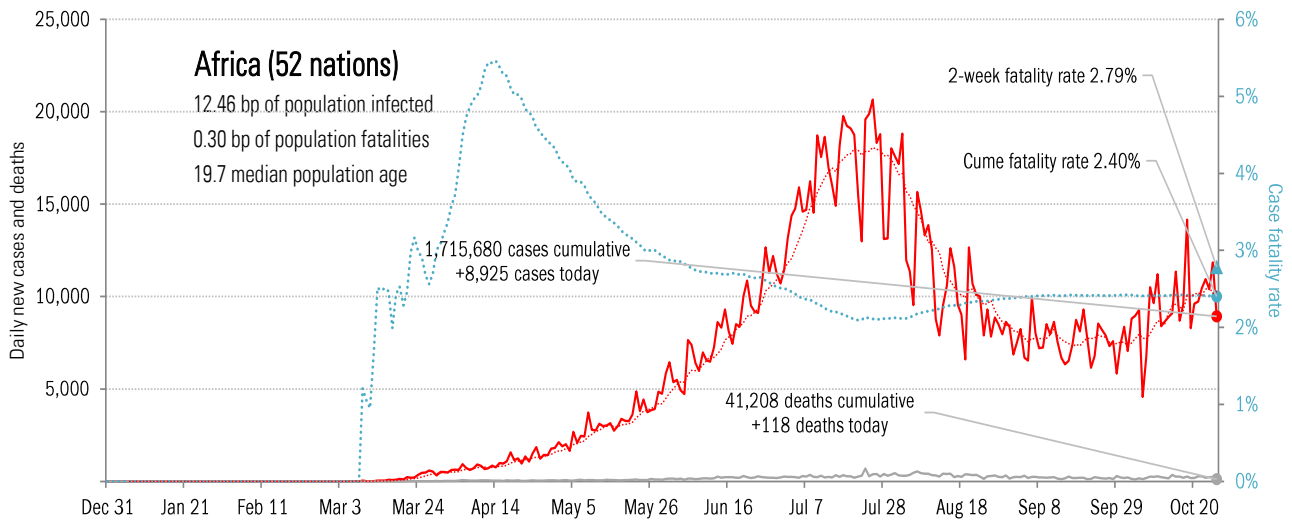
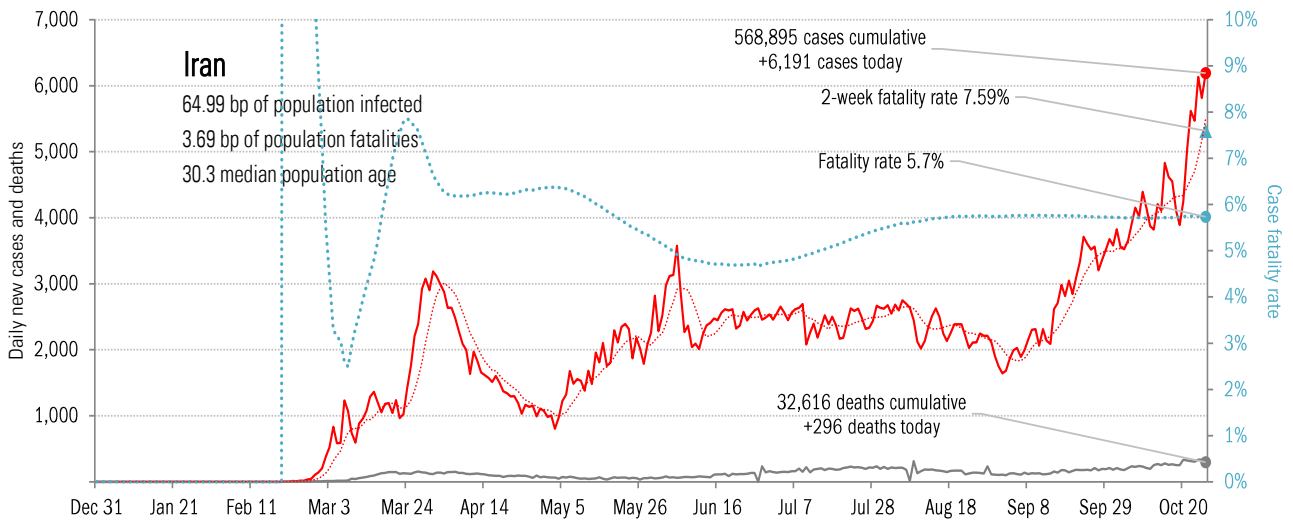
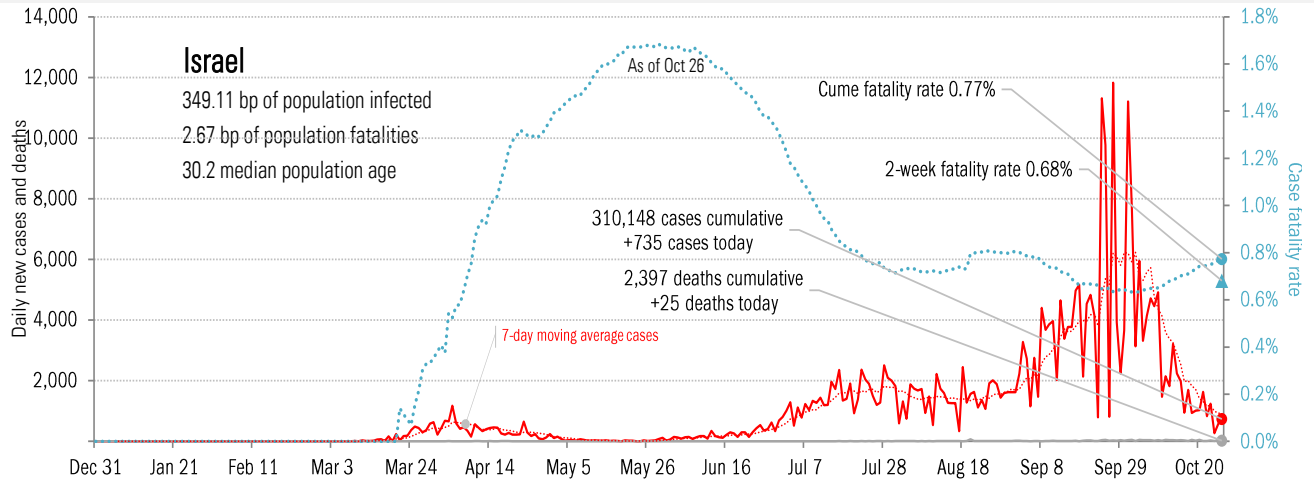
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations