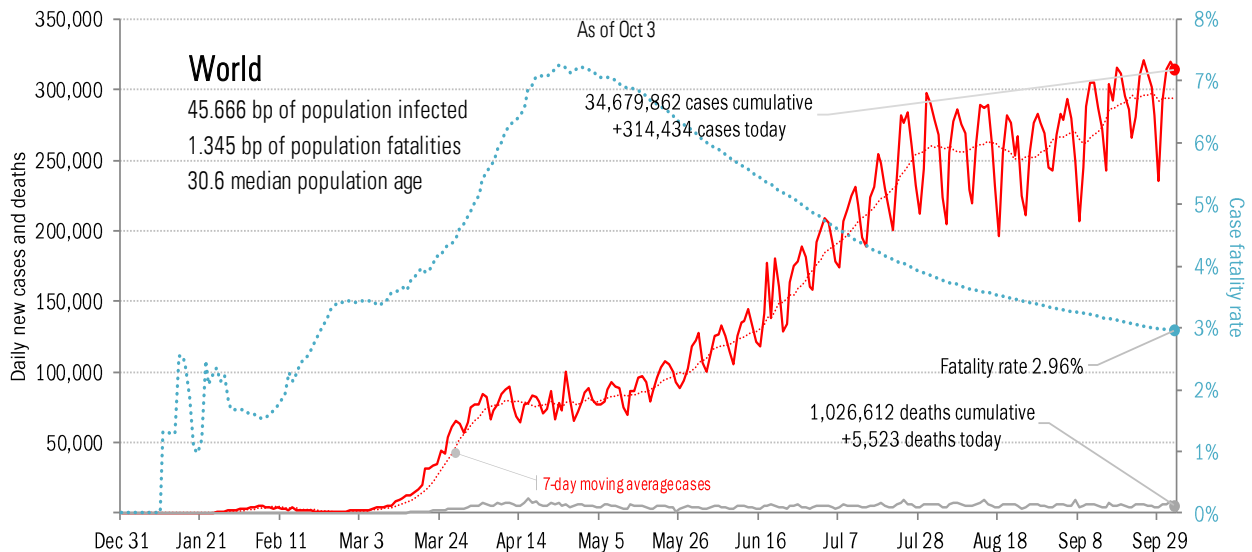
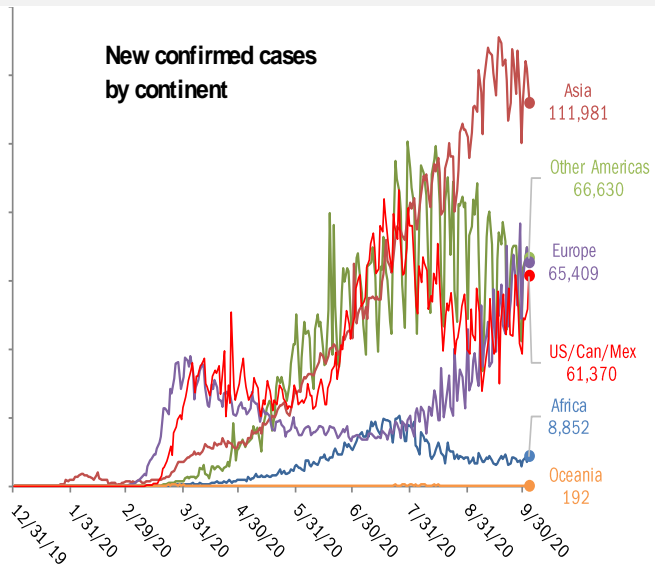


Data Insights: Covid-2019 Monitor

Saturday, October 3, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+ 79,476	India	+ 1,069
US	+ 49,534	US	+ 908
Brazil	+ 33,431	Brazil	+ 708
Argentina	+ 14,687	Mexico	+ 414
France	+ 12,148	Argentina	+ 311
Spain	+ 11,325	Colombia	+ 201
Russia	+ 9,412	Iran	+ 187
Ukraine	+ 8,702	Russia	+ 186
UK	+ 6,968	France	+ 136
Colombia	+ 6,192	Indonesia	+ 116
+ 231,875		+ 4,236	
World + 314,434		World + 5,523	
Top ten 74%		Top ten 77%	



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

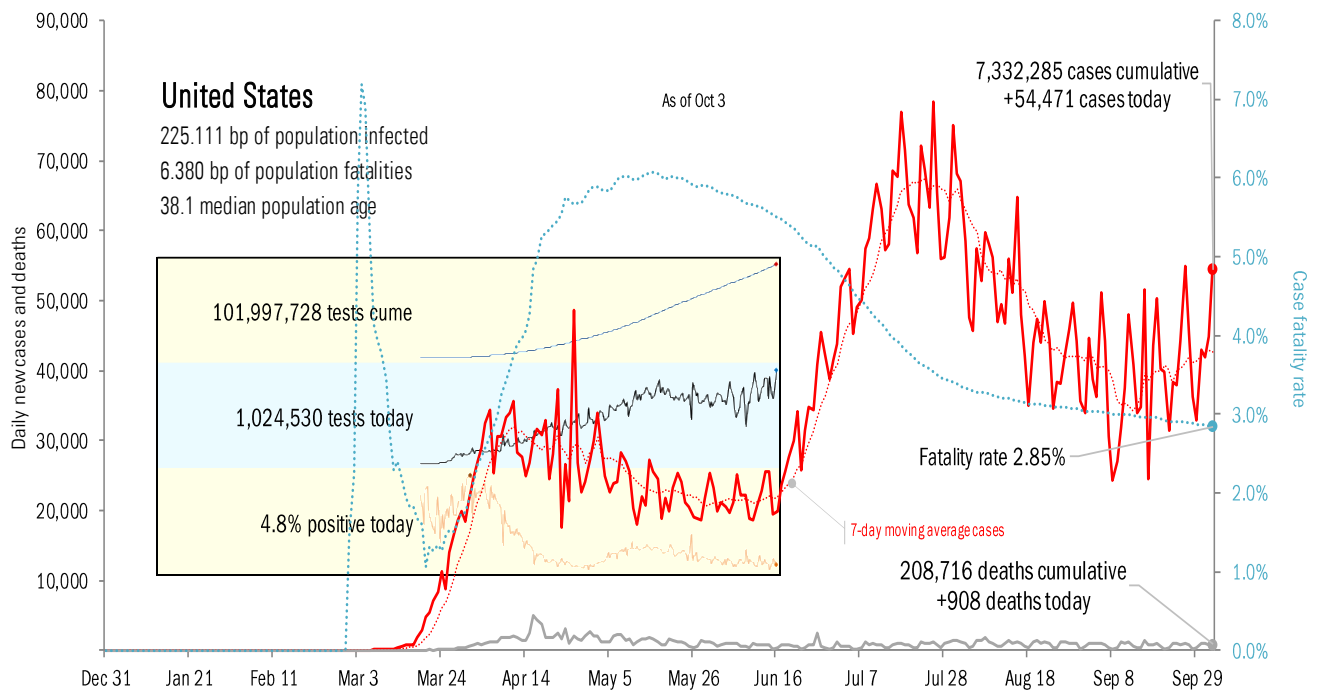
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+3,590	FL	+111	FL	+170	CA	817,277	NY	25,497	NY	89,995
TX	+3,503	CA	+98	AL	+163	TX	756,004	NJ	16,131	FL	44,991
WI	+2,825	CH	+88	GA	+123	FL	711,804	CA	15,986	GA	28,791
FL	+2,660	TX	+72	WI	+97	NY	461,629	TX	15,895	NJ	23,511
IL	+2,456	IL	+52	CH	+82	GA	320,634	FL	14,730	AZ	22,240
NC	+1,775	GA	+43	IN	+72	IL	300,385	MA	9,490	VA	18,642
NY	+1,598	NC	+29	KS	+66	AZ	219,763	IL	8,992	AL	17,420
CH	+1,495	LA	+26	OK	+59	NC	214,684	PA	8,179	CH	15,688
MO	+1,485	VA	+22	SC	+56	NJ	206,629	MI	7,110	MD	15,574
IN	+1,464	KS	+20	TN	+45	TN	198,403	GA	7,106	IN	12,983
+22,851		+561		+933		4,207,212		129,116		289,835	
All states	+49,534	All states	+835	All states	+1,342	All states	7,294,029	All states	200,611	All states	411,751
Top ten	46%	Top ten	67%	Top ten	70%	Top ten	58%	Top ten	64%	Top ten	70%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NC	-502	TX	-40	CT	-139	TX	+3,629
SD	-361	TN	-33	MS	-131	WI	+1,861
TN	-322	FL	-20	AZ	-93	TN	+1,335
MO	-314	NC	-18	VA	-69	OK	+1,270
WI	-175	WI	-16	AR	-48	CH	+1,085



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

Recommended reading

[74 and Overweight, Trump Faces Extra Risks From 'a Very Sneaky Virus'](#)

Sheryl Gay Stolberg
New York Times
October 2, 2020

[How to vote with absolute safety?](#)

James Lileks
Minneapolis Star Tribune
October 2, 2020

[Health expert explains how blood type plays a role in COVID-19 infection](#)

Abigail Ogle
KCRA3
September 29, 2020

[Vilified Early Over Lax Virus Strategy, Sweden Seems to Have Scourge Controlled](#)

Thomas Erdbrink
New York Times
September 29, 2020

[A Quarter of Women Are Considering Scaling Back Careers](#)

Jeff Green
Bloomberg
September 30, 2020

[SARS-CoV-2-derived peptides define heterologous and COVID-19-induced T cell recognition](#)

Annika Nelde et al.
Nature Immunology
September 30, 2020

[The Coronavirus College Scam](#)

Stephen Moore
Wall Street Journal
October 1, 2020

[What's the Ballot Deadline? Who Knows](#)

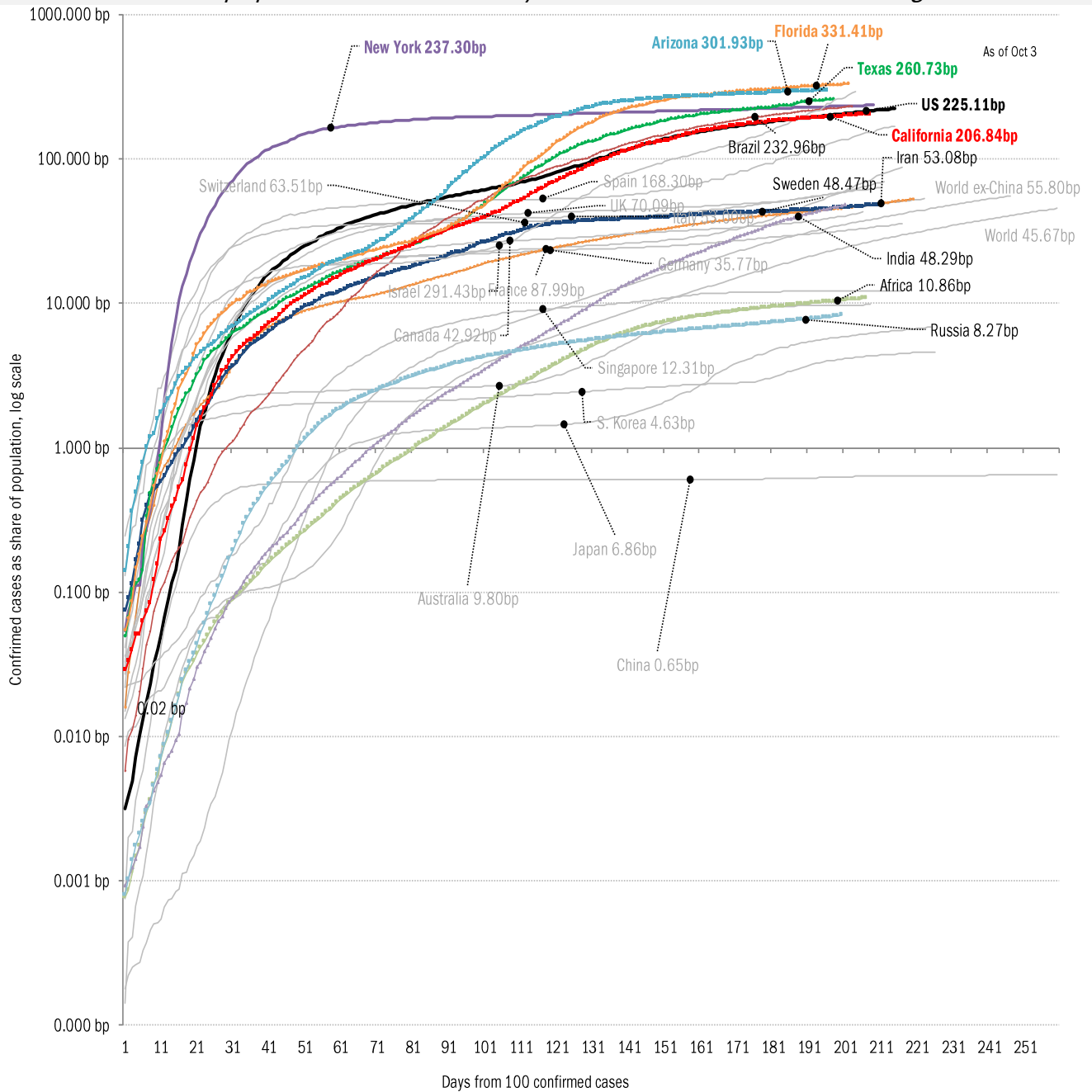
Wall Street Journal
October 1, 2020

Meme of day



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

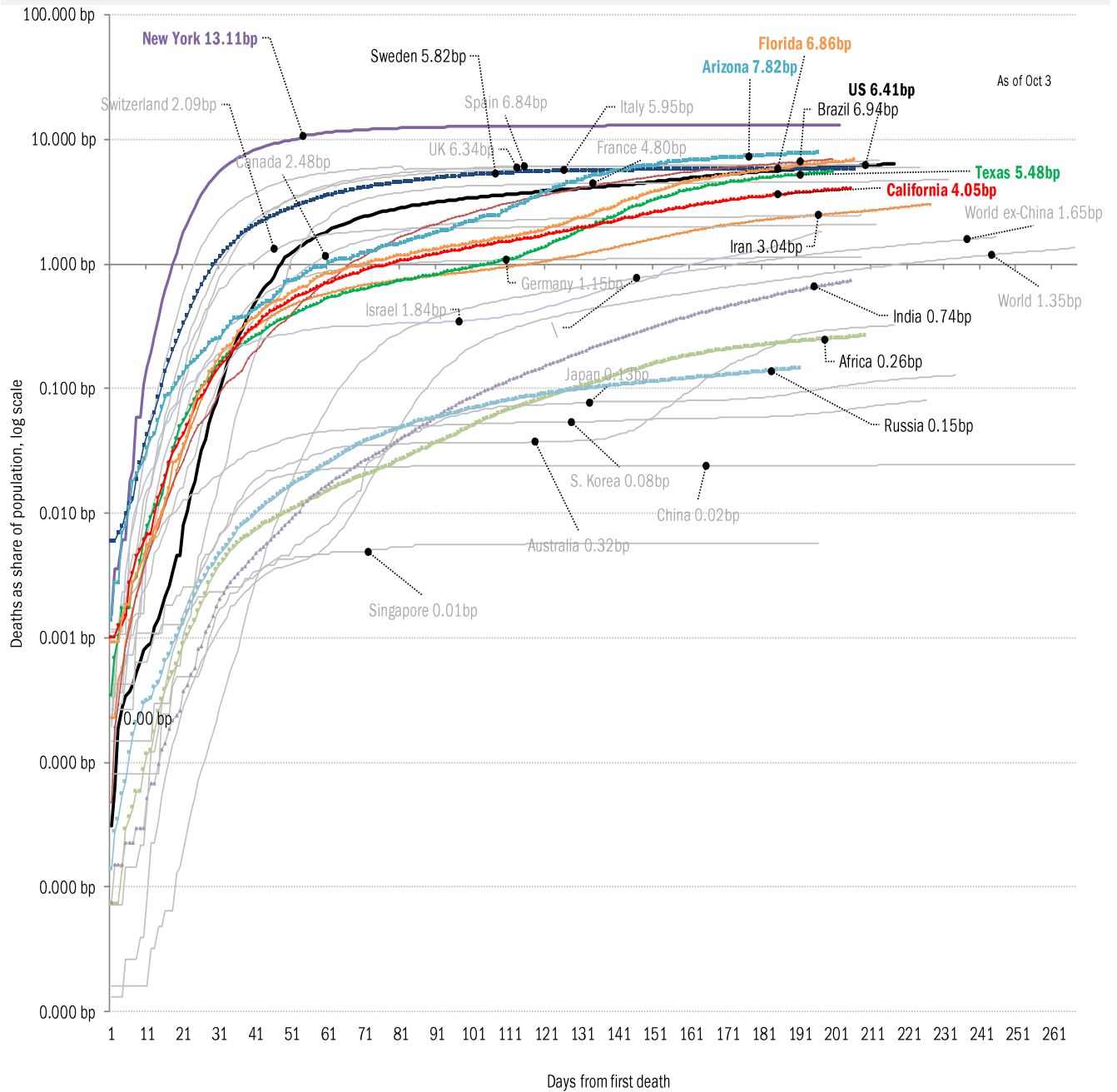
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

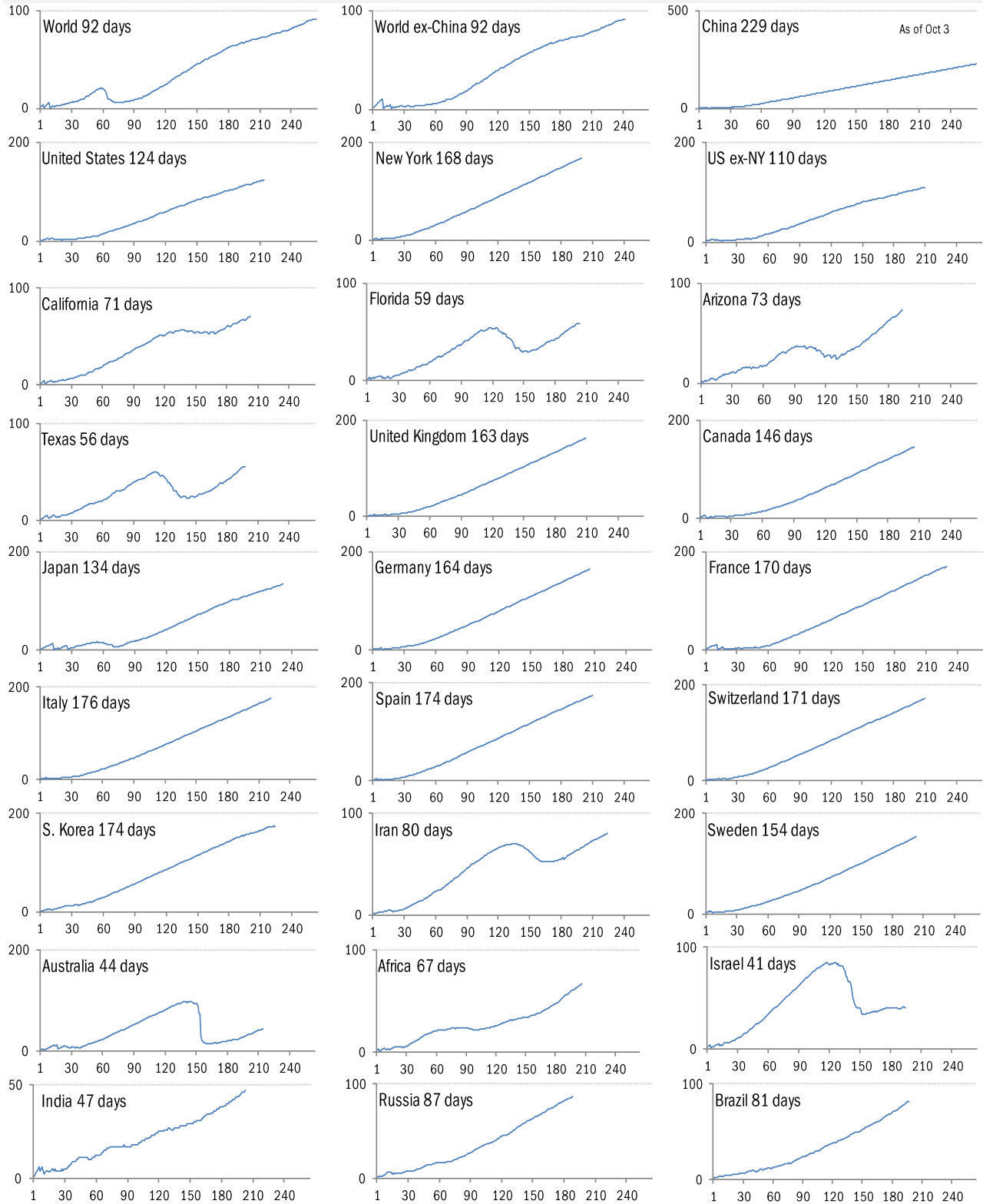


Source: [ECDC](#), TrendMacro calculations

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

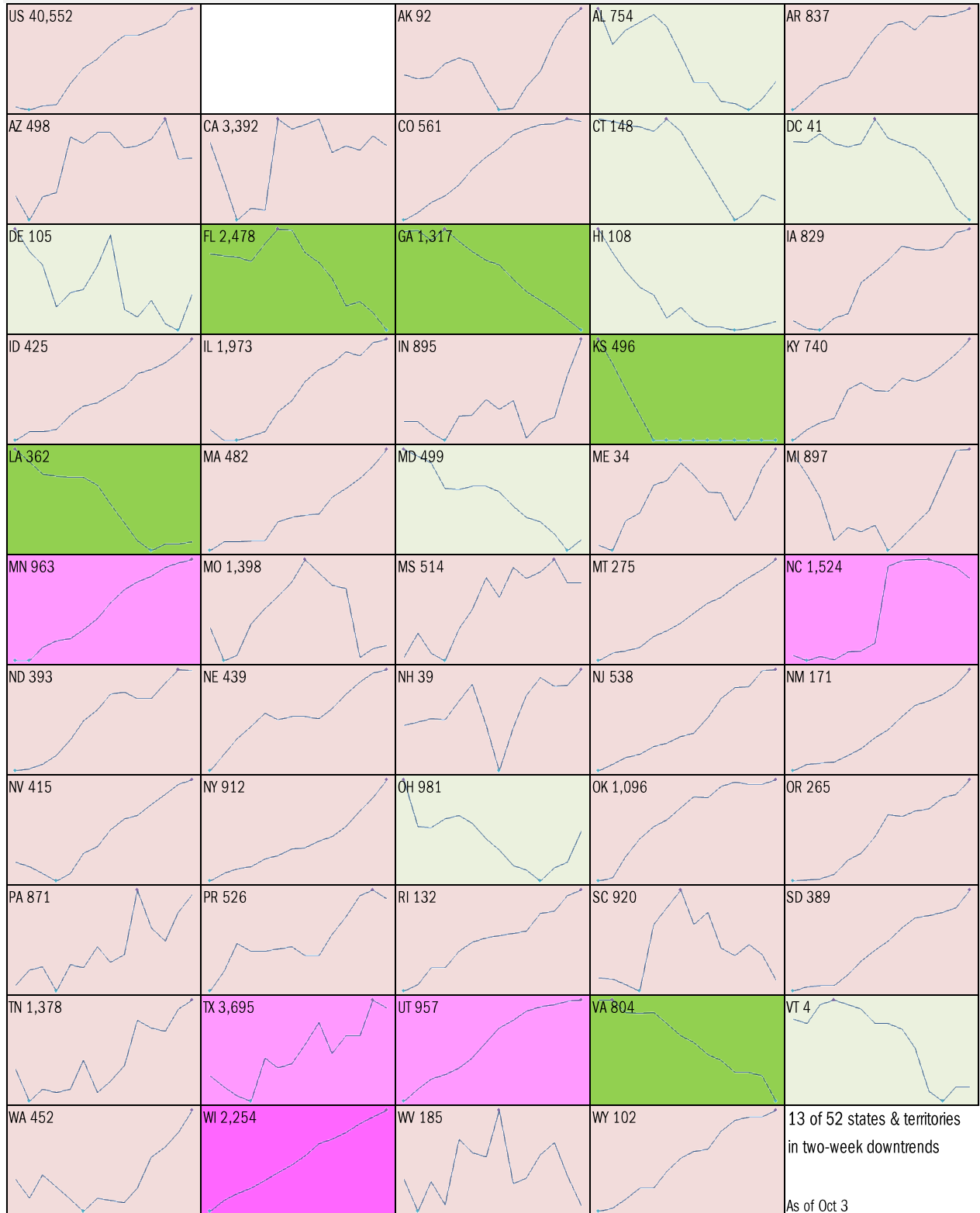
Vertical: days to double deaths Horizontal: days from first death

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



Source: [ECDC](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



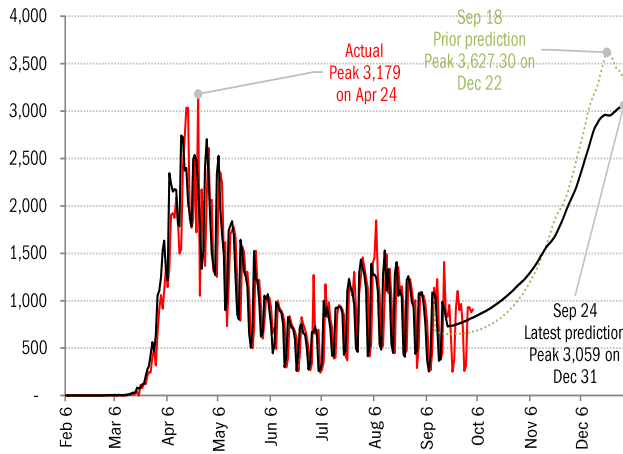
Source: [Covid Tracking Project](#), TrendMacro calculations

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

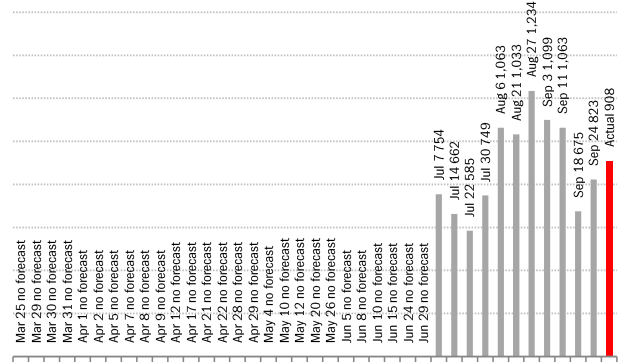
New daily fatalities

As of Oct 3

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

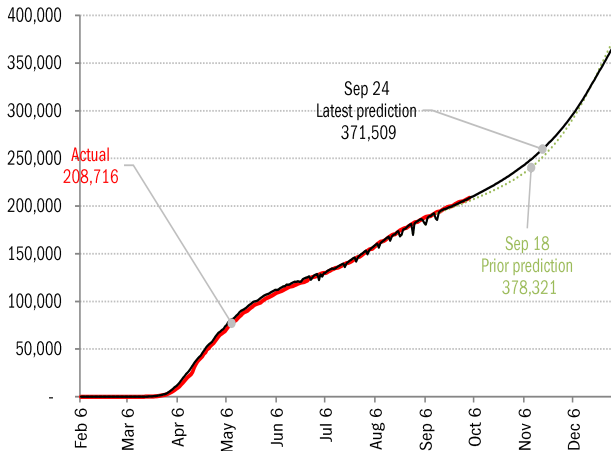


For this day, versus all model mean predictions

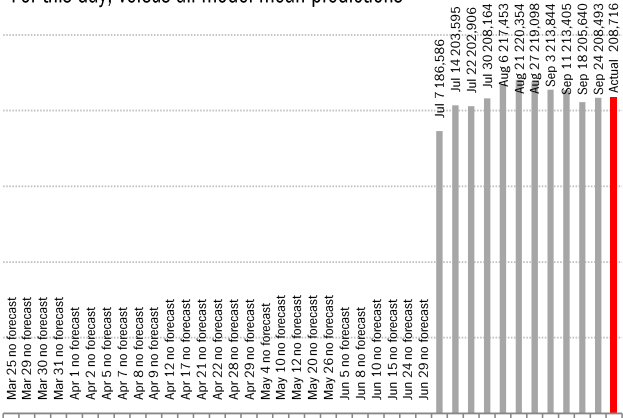


Cumulative fatalities

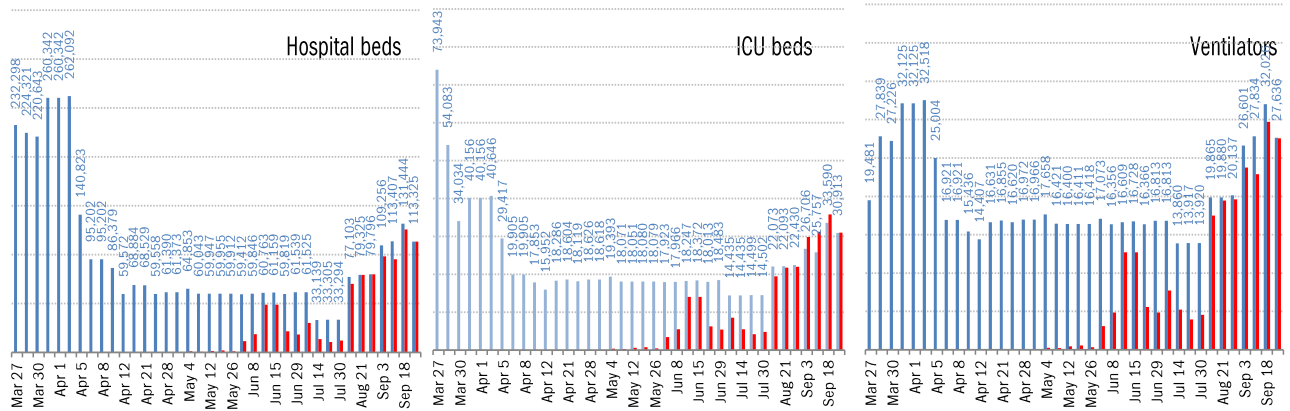
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

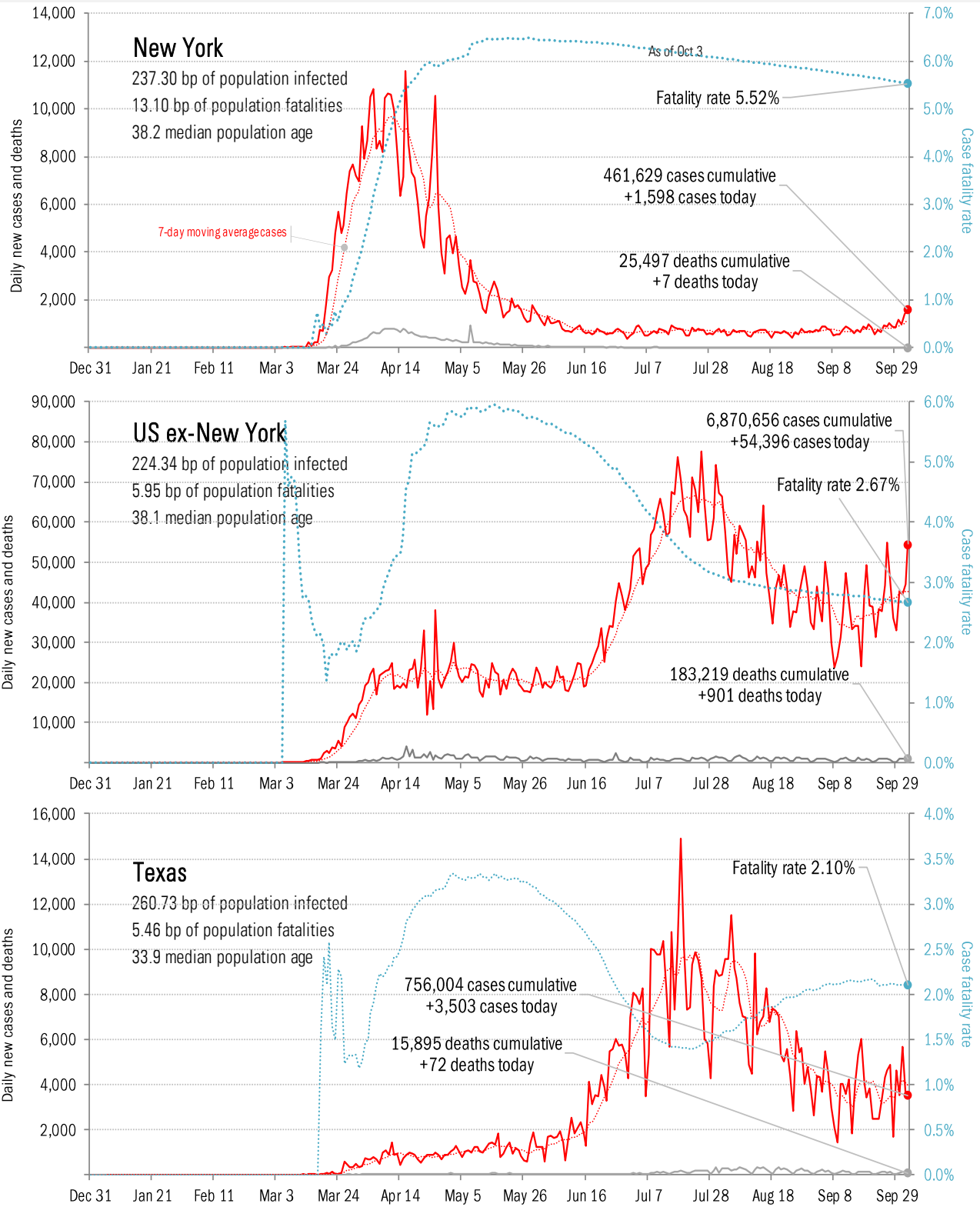


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



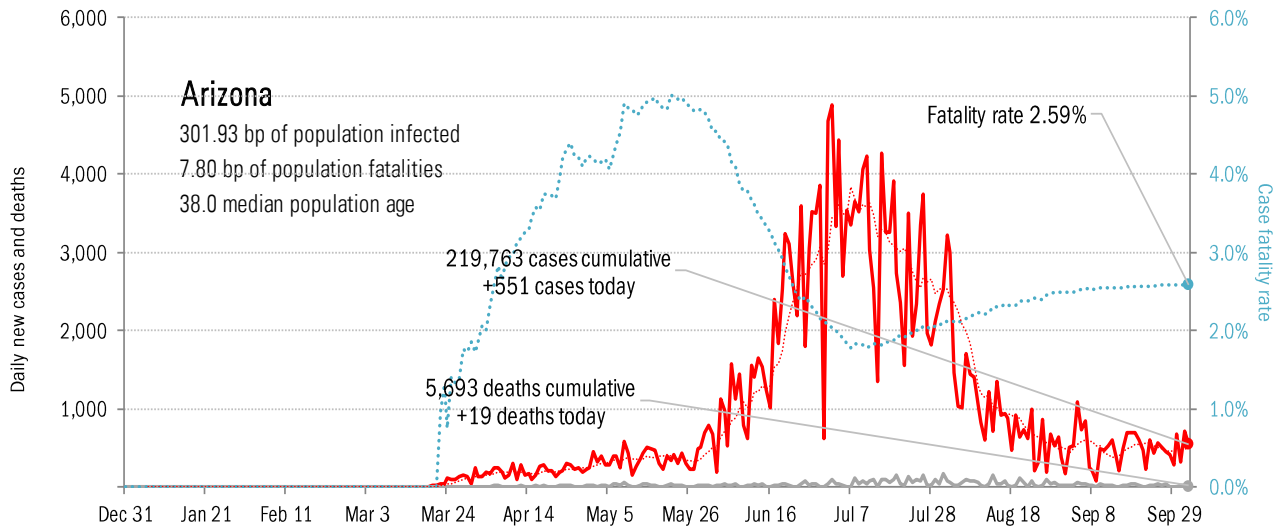
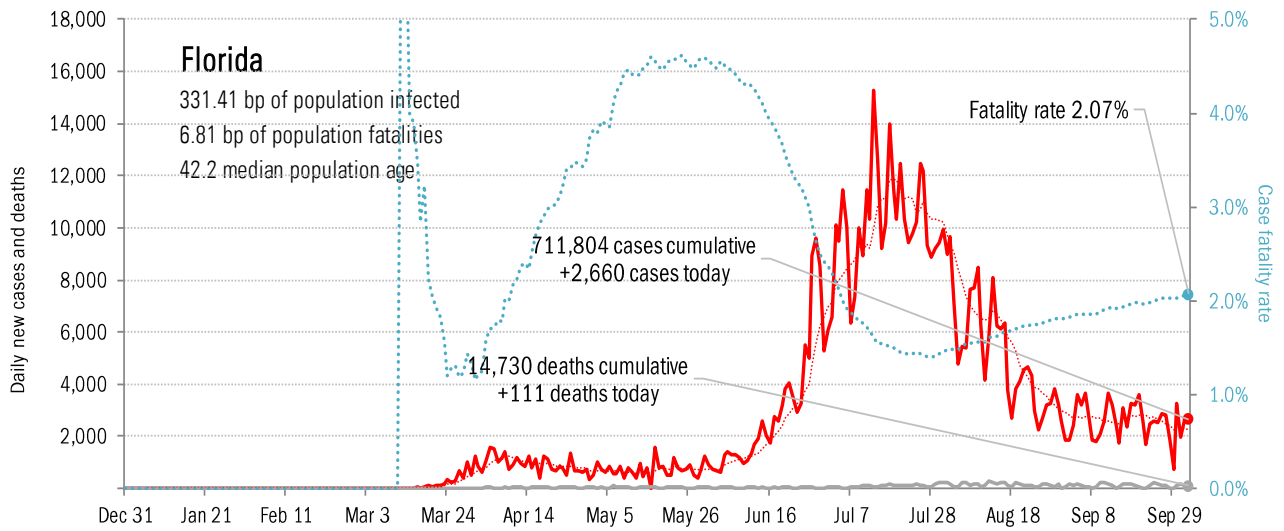
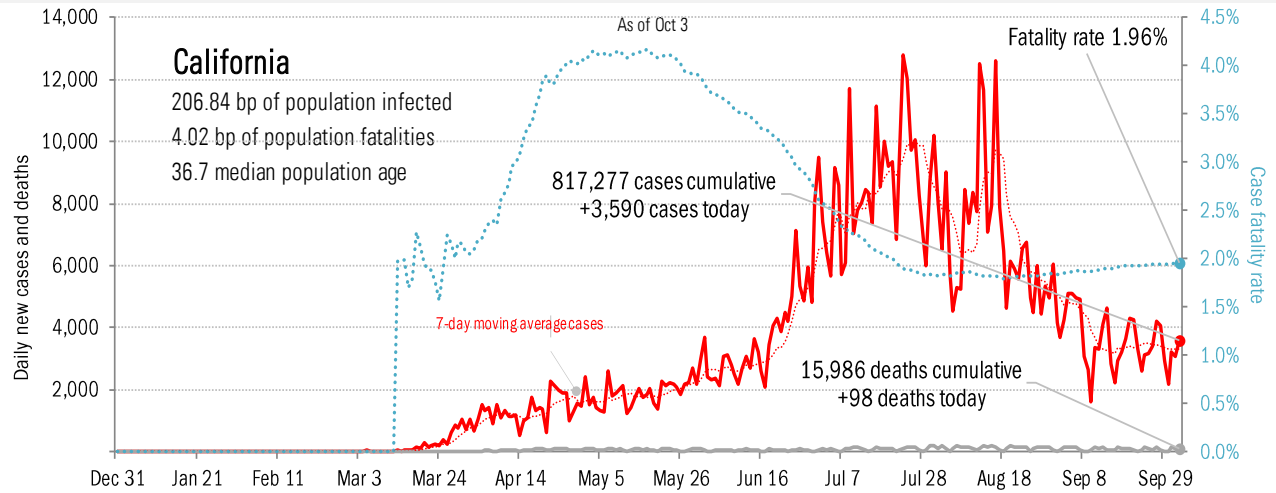
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



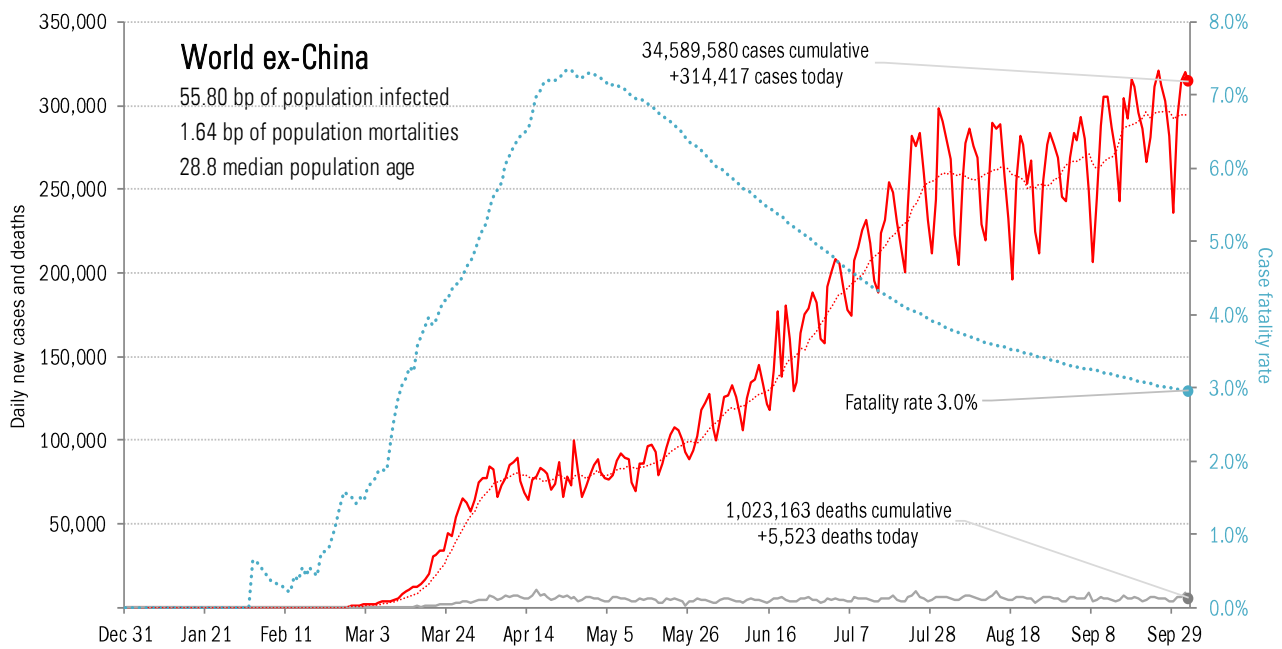
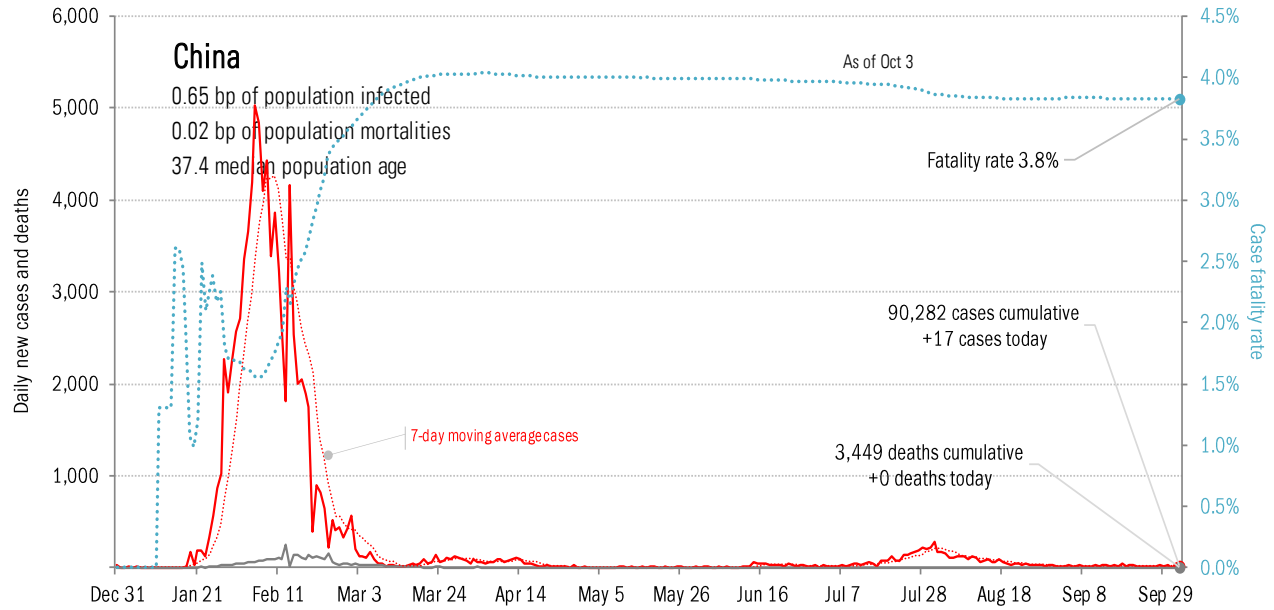
Source: [ECDC](#), TrendMacro calculations

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



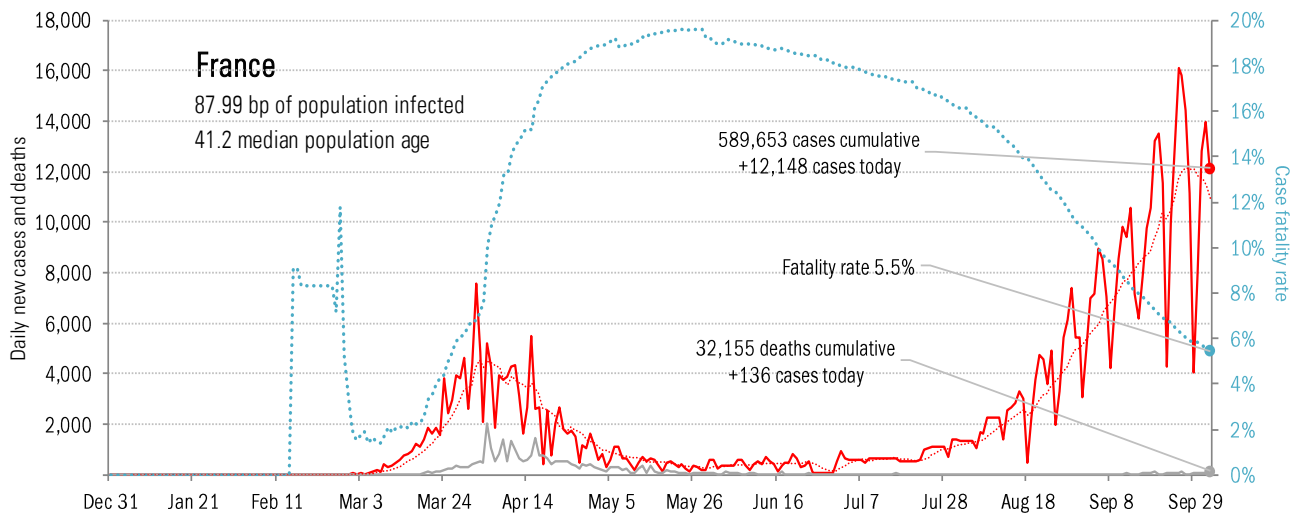
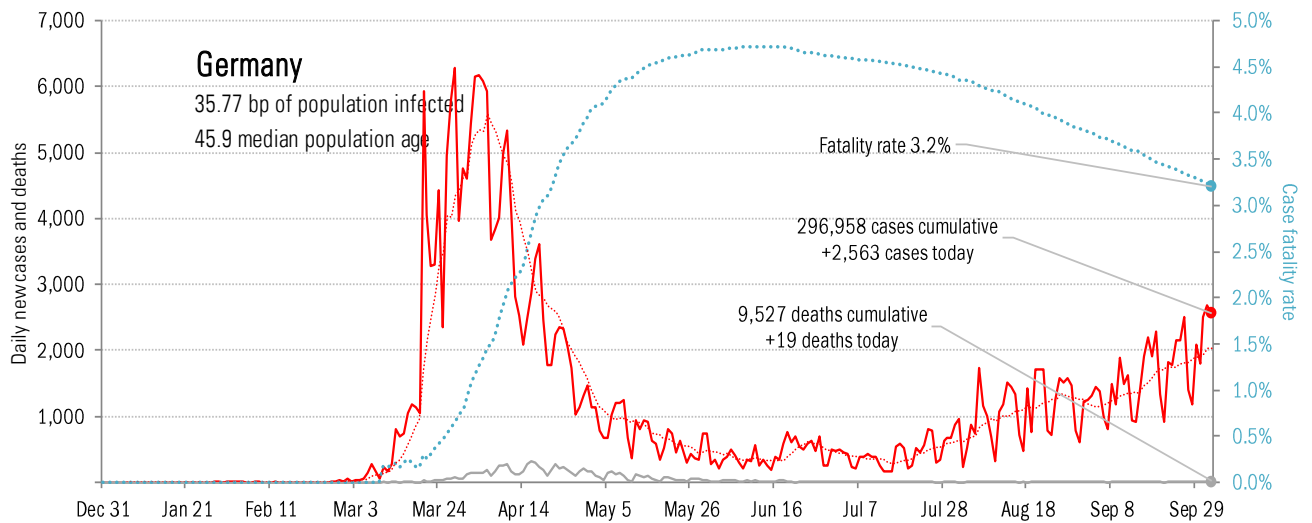
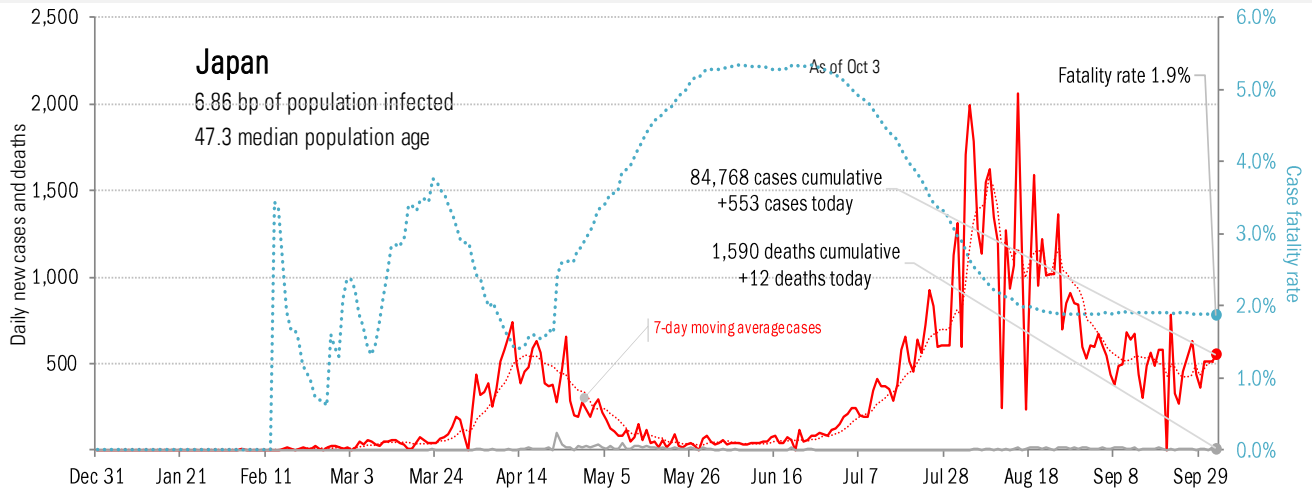
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



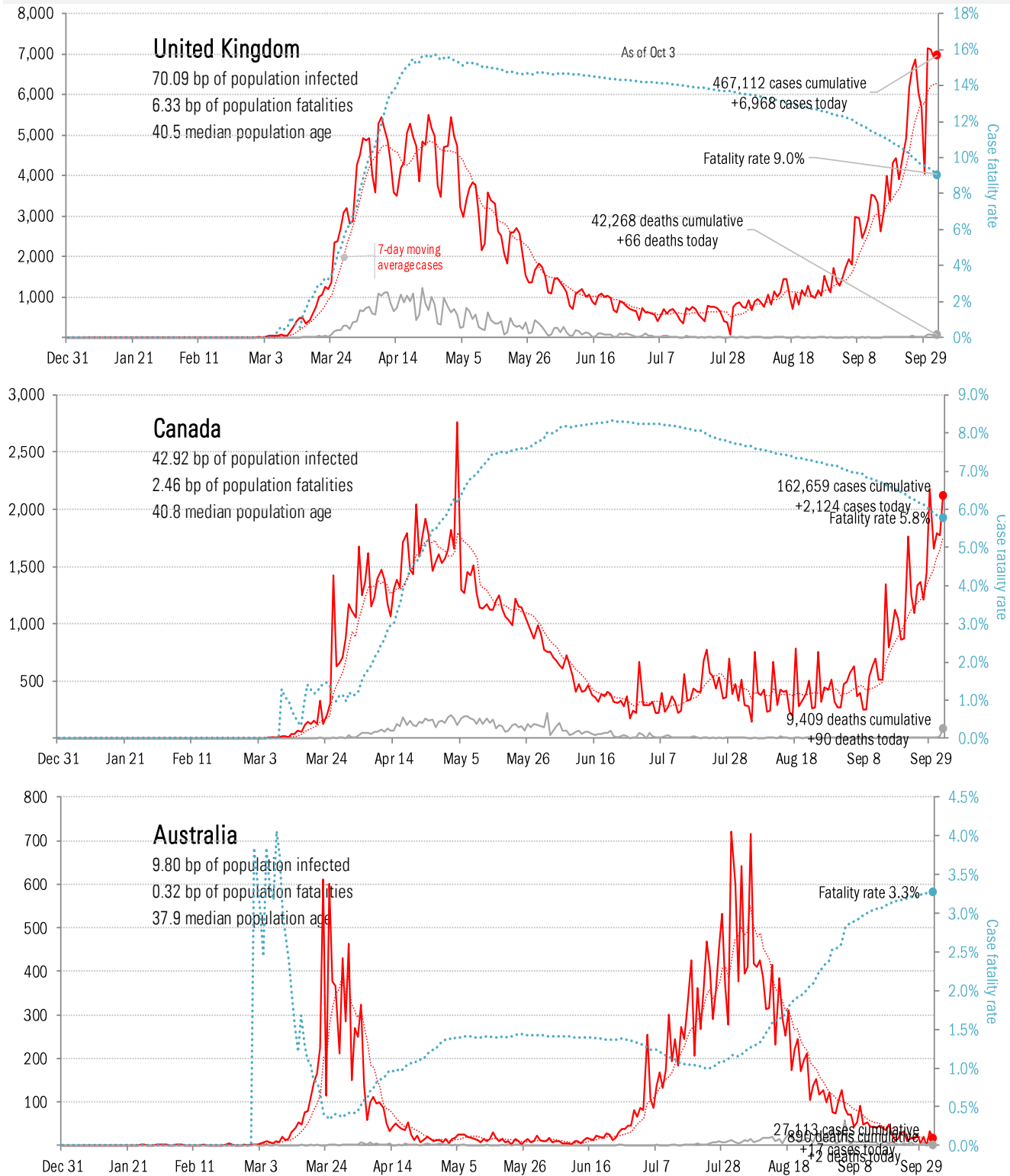
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



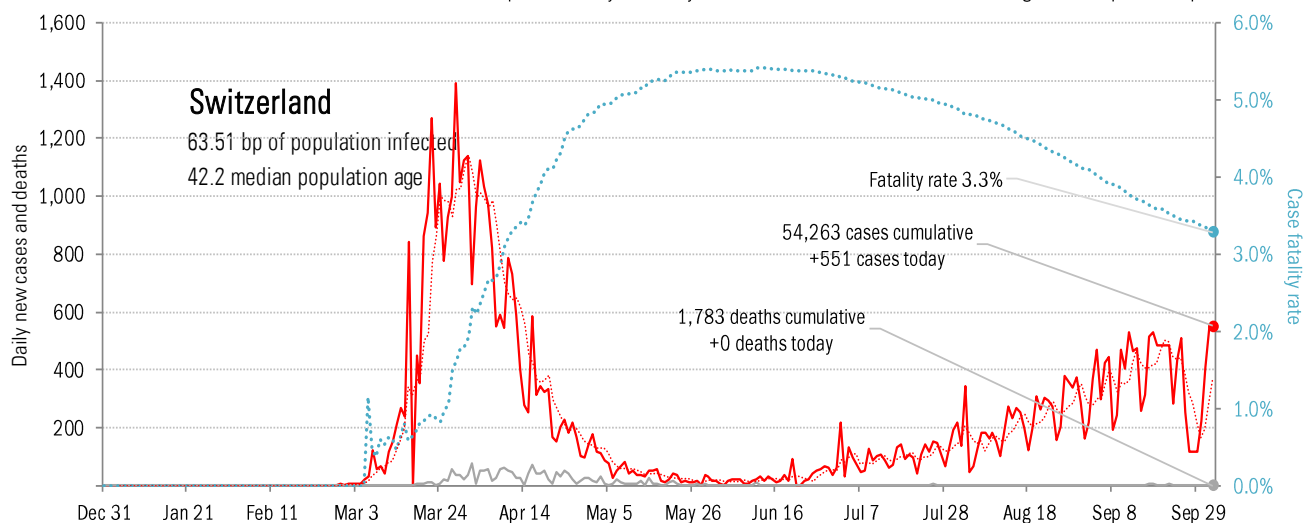
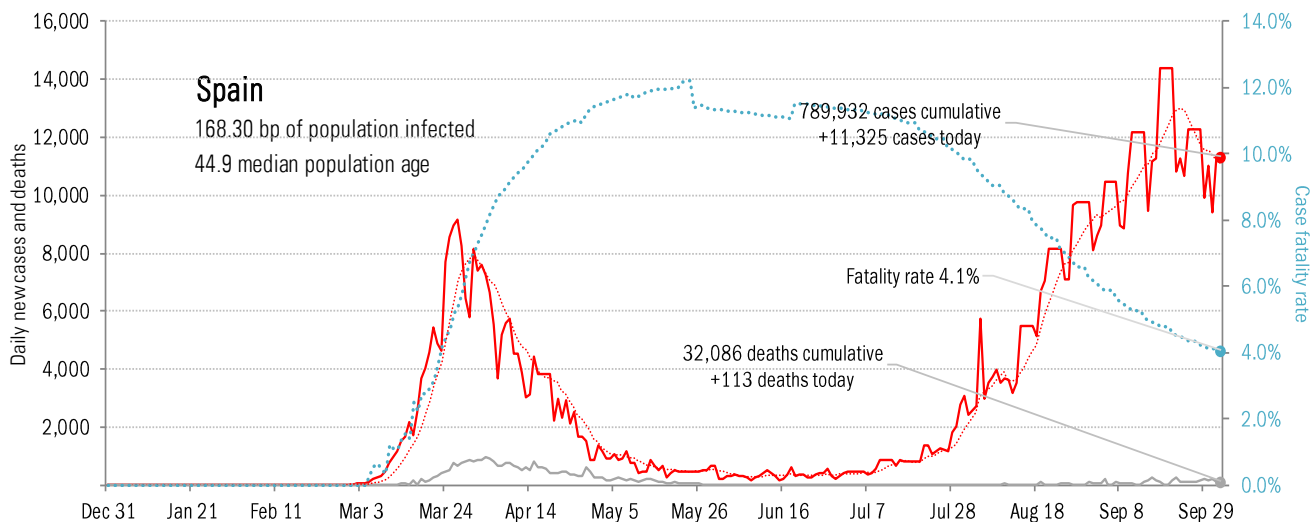
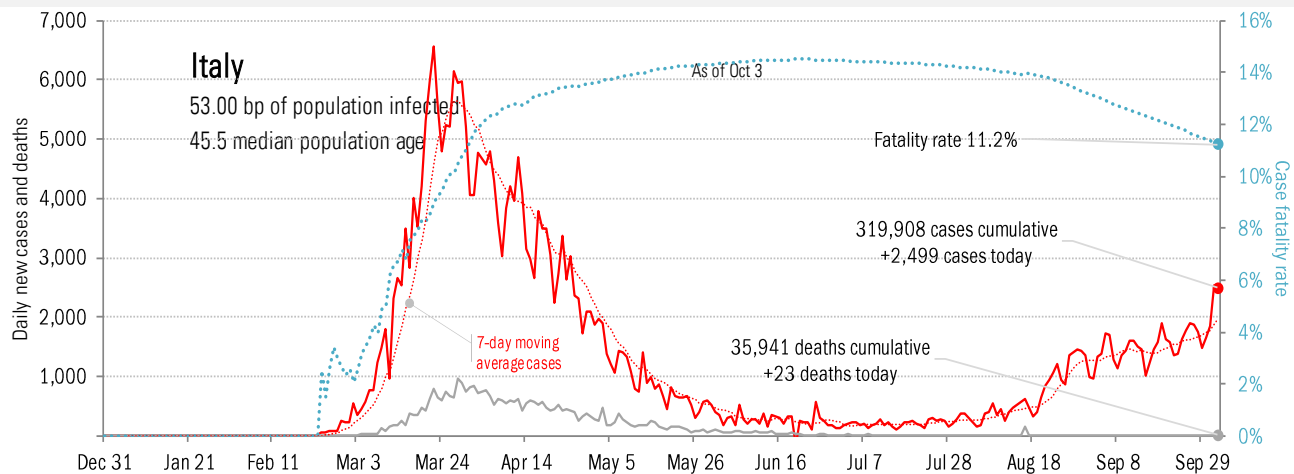
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



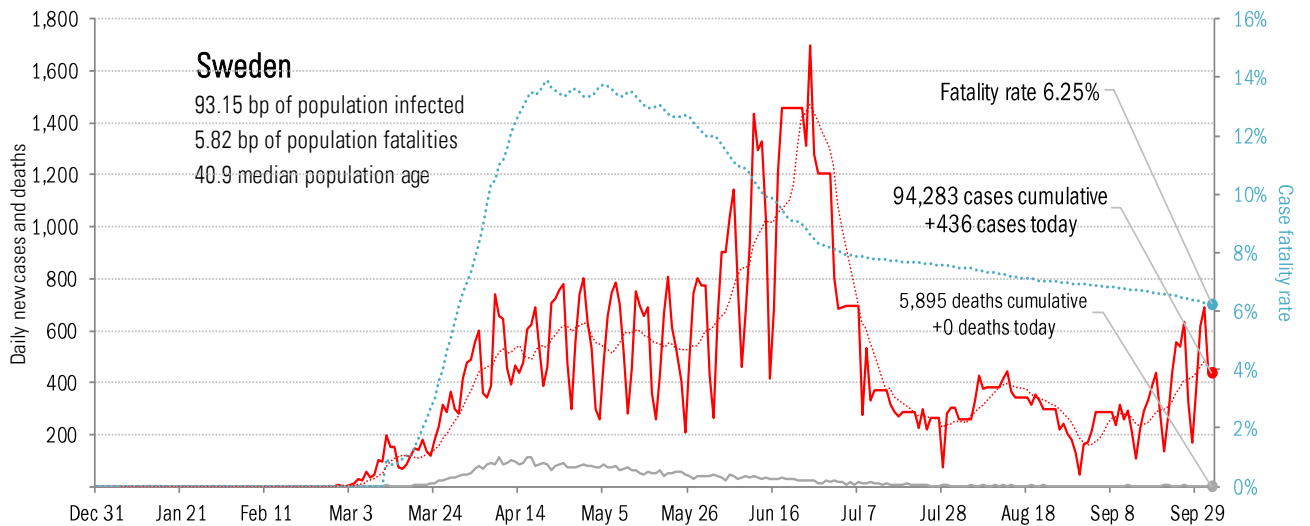
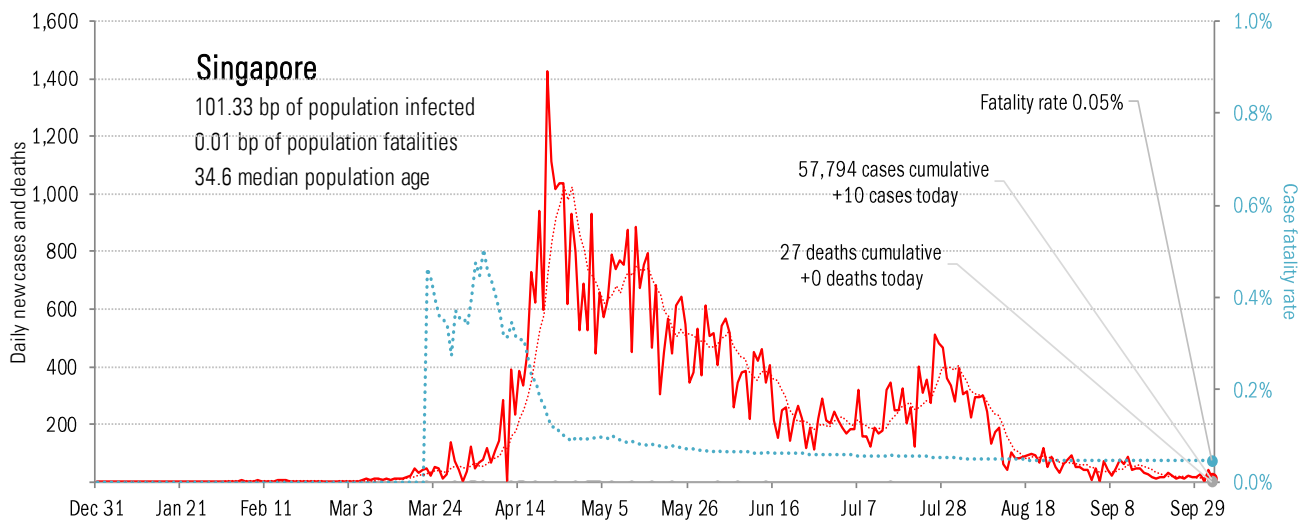
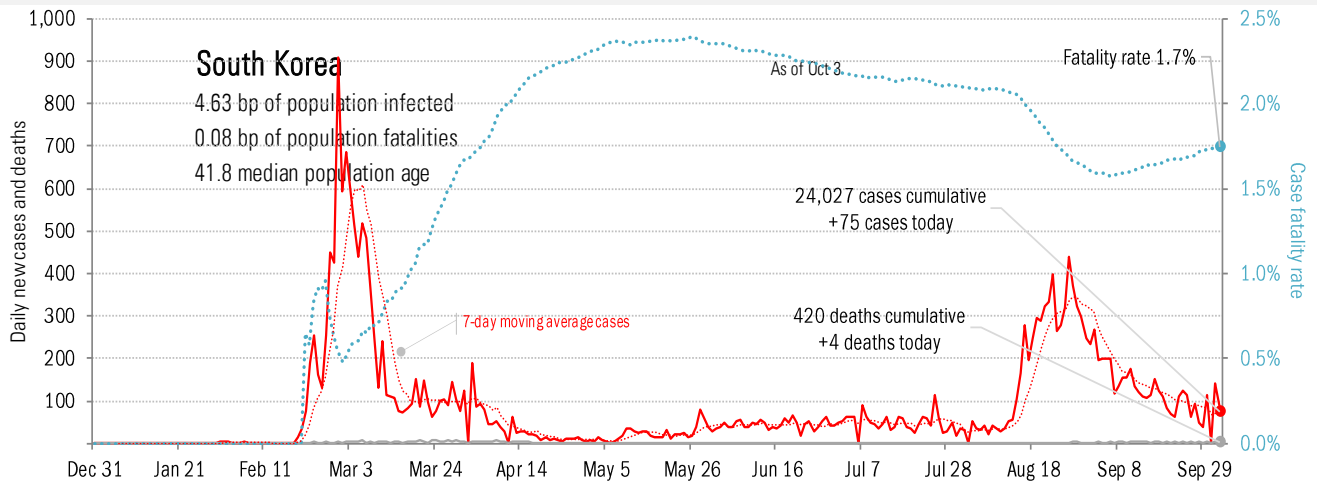
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



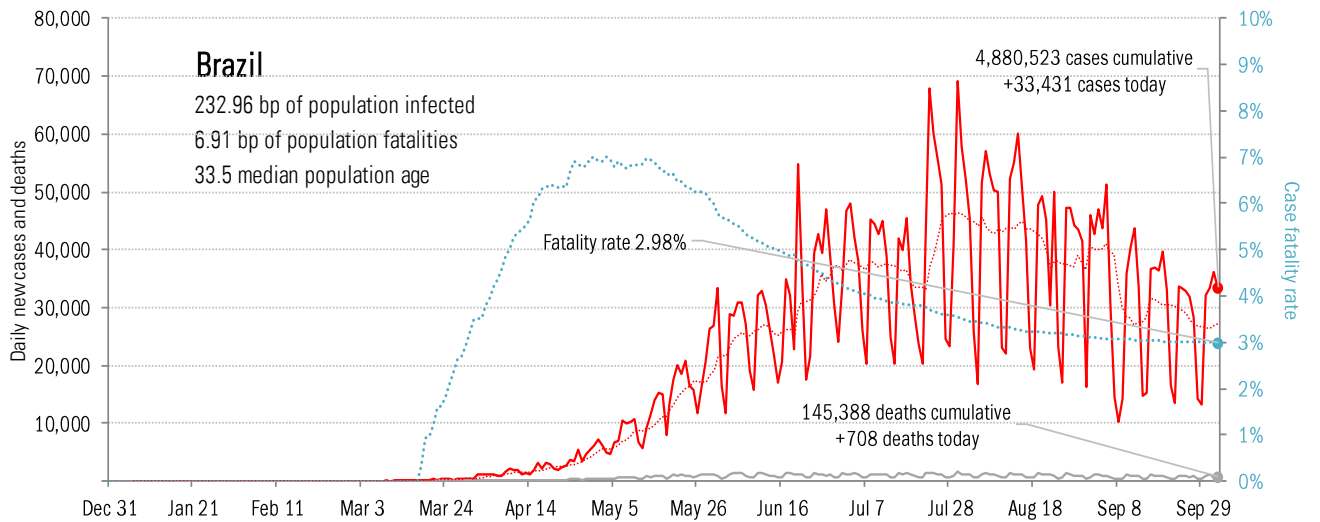
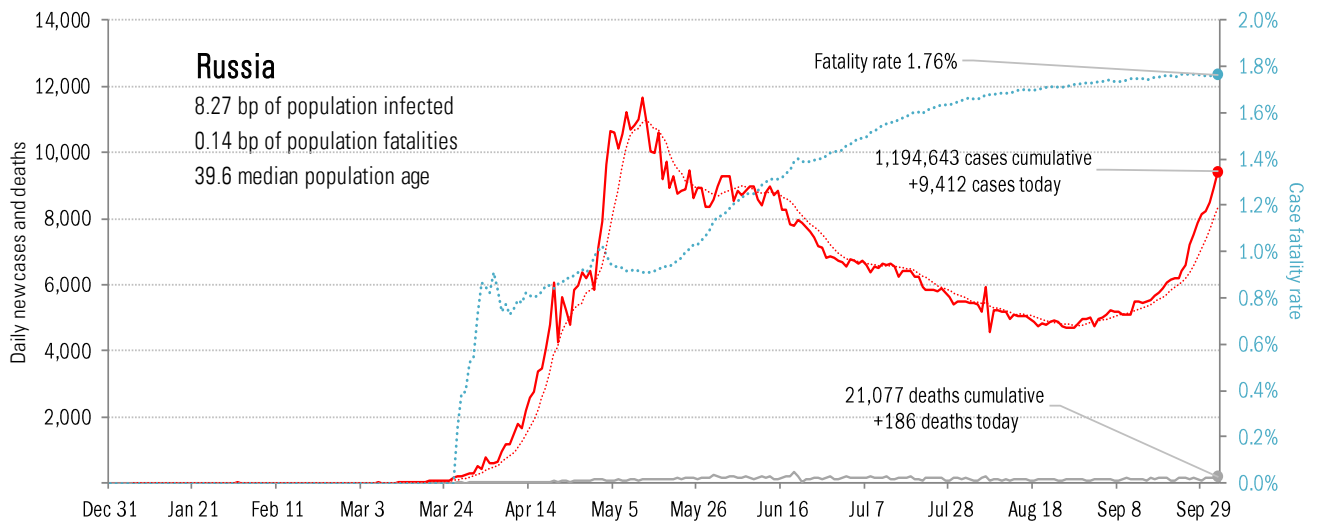
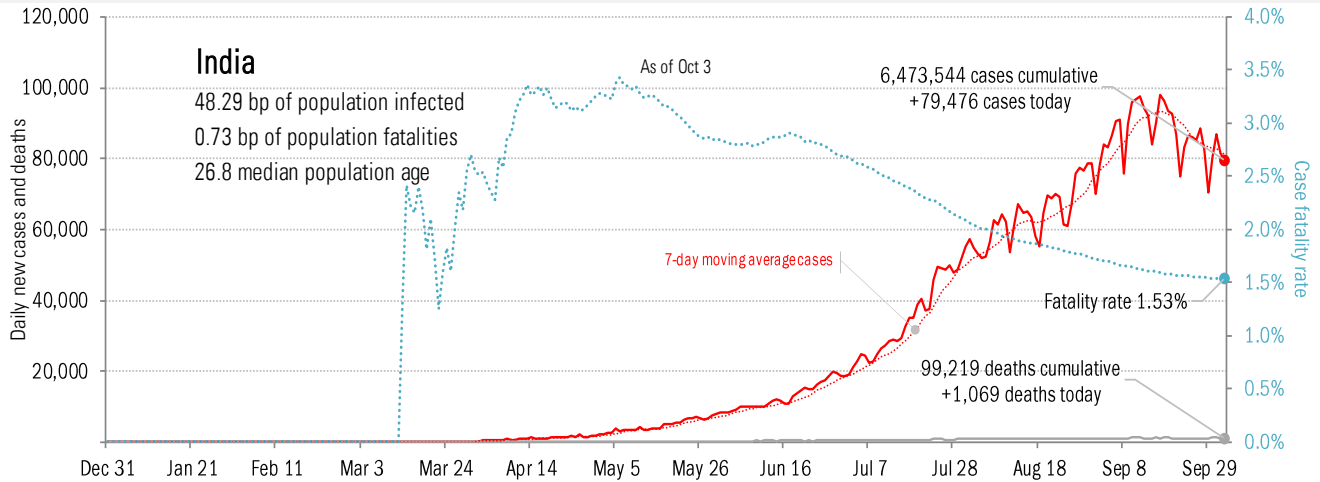
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



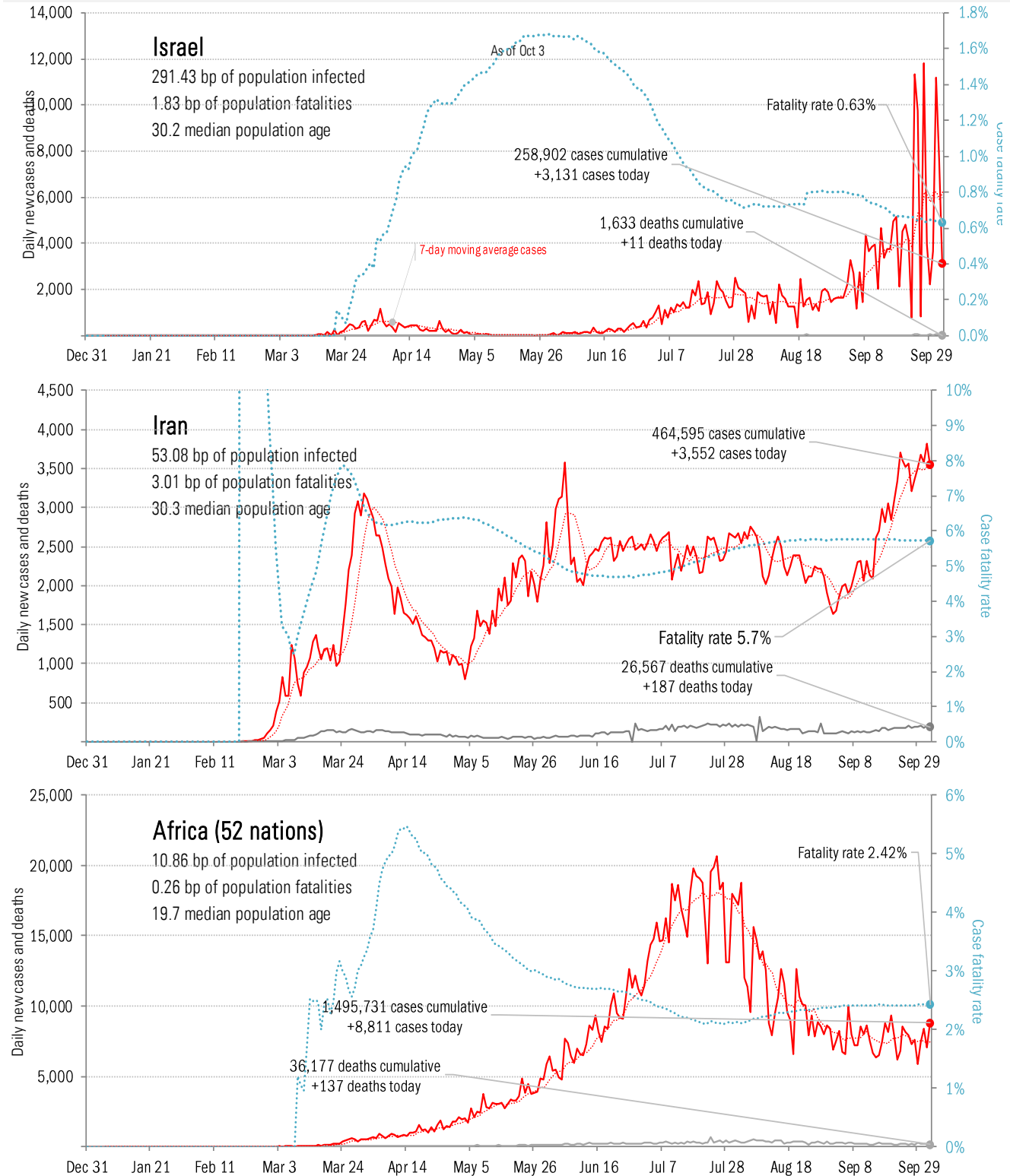
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations