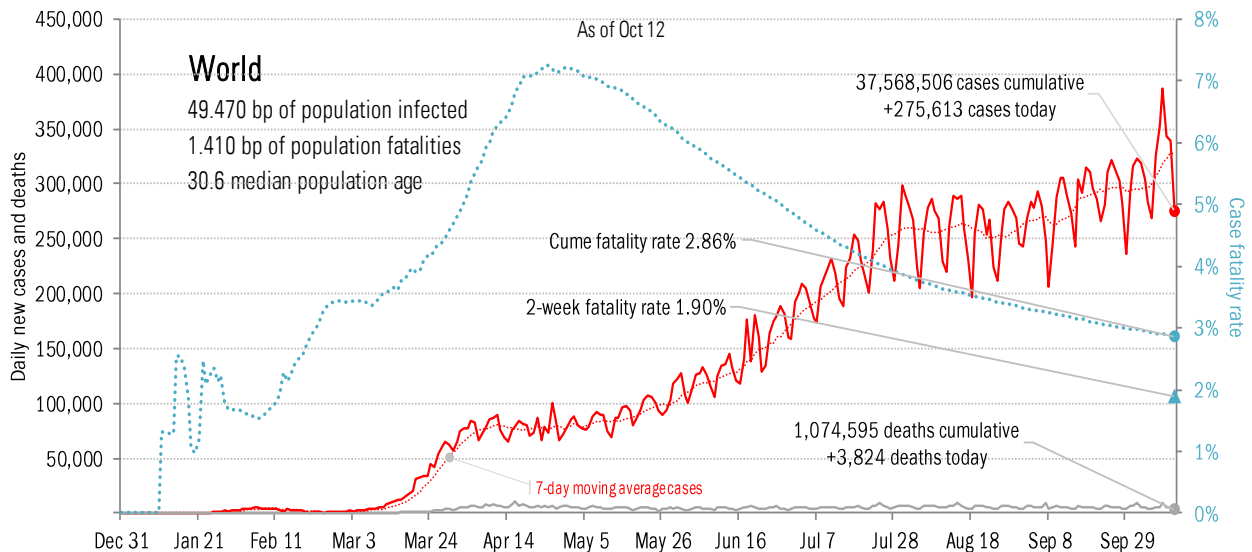
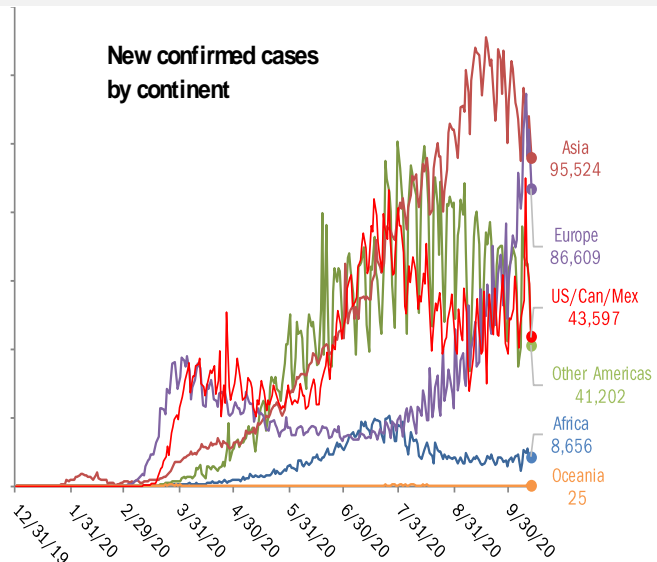


Data Insights: Covid-2019 Monitor

Monday, October 12, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+66,732	India	+816
US	+43,597	US	+394
France	+16,101	Brazil	+290
Russia	+13,634	Argentina	+287
UK	+12,872	Iran	+251
Spain	+12,788	Colombia	+174
Brazil	+12,345	Russia	+143
Argentina	+10,310	South_Africa	+107
Colombia	+8,569	Ukraine	+85
Czechia	+7,736	Philippines	+83
+204,684		+2,630	
World +275,613		World +3,824	
Top ten 74%		Top ten 69%	



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

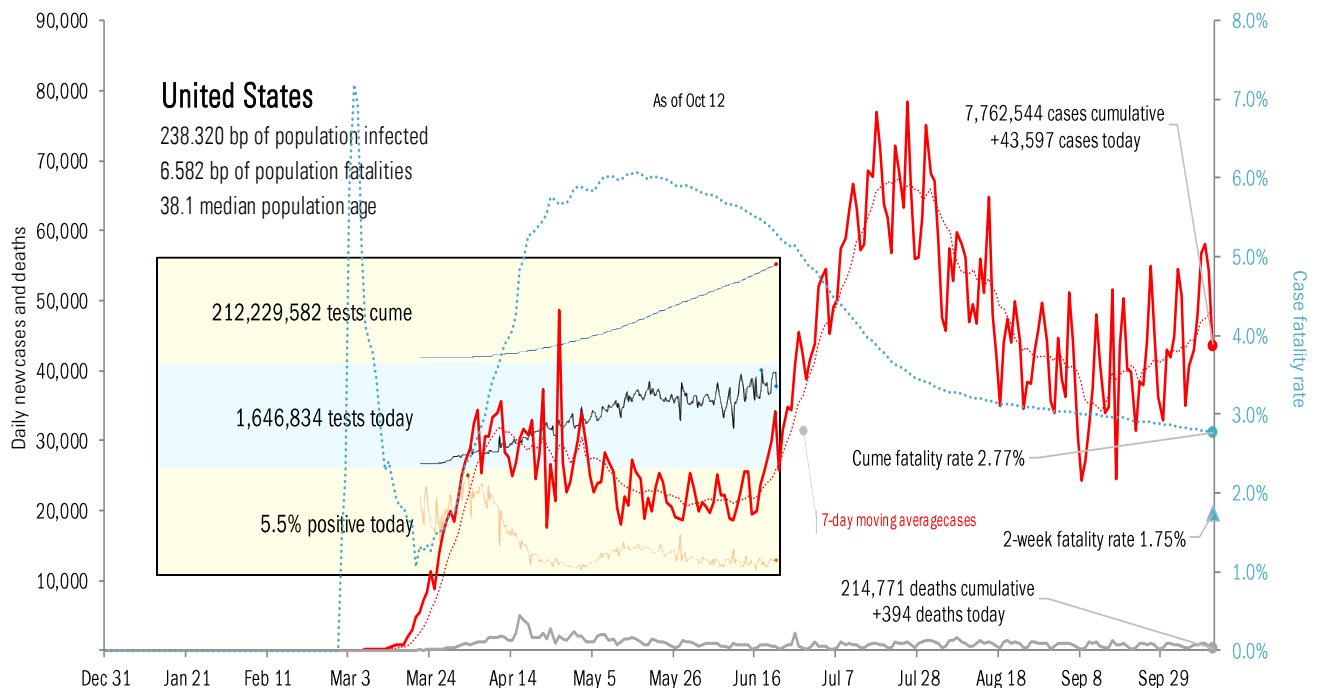
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
FL	+5,570	FL	+180	IN	+52	CA	846,579	NY	25,574	TX	3,622
CA	+3,803	CA	+64	FL	+46	TX	792,478	CA	16,564	CA	3,103
IL	+2,727	TX	+31	UT	+28	FL	734,491	TX	16,557	FL	2,123
WI	+2,713	GA	+23	OH	+25	NY	474,286	NJ	16,174	IL	1,776
TX	+2,418	LA	+20	AL	+20	GA	331,409	FL	15,552	GA	1,619
TN	+2,068	AR	+17	CA	+19	IL	322,188	MA	9,604	MO	1,313
NC	+1,719	MA	+17	AR	+12	NC	231,471	IL	9,230	IN	1,232
IN	+1,570	MN	+10	NC	+12	AZ	225,575	PA	8,350	TN	1,124
MN	+1,440	IL	+9	ND	+12	TN	214,717	GA	7,416	NC	1,046
CH	+1,291	TN	+9	MD	+10	NJ	213,628	MI	7,219	VA	924
+25,319		+380		+236		4,386,822		132,240		17,882	
All states	+46,776	All states	+464	All states	- +583	All states	7,727,630	All states	206,597	All states	34,028
Top ten	54%	Top ten	82%	Top ten	-40%	Top ten	57%	Top ten	64%	Top ten	53%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
MO	-5,066	TX	-63	NJ	-446	AL	+2
TX	-1,812	AR	-32	NY	-53	AR	+1
MI	-1,648	PA	-30	MA	-51	AK	+0
AR	-1,462	MO	-27	TX	-41	AS	+0
CK	-767	GA	-22	CO	-39	AZ	+0



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

Recommended reading

[Fauci Says He Was Taken Out of Context in Trump Campaign Ad: CNN](#)

Teaganne Finn
Bloomberg
October 11, 2020

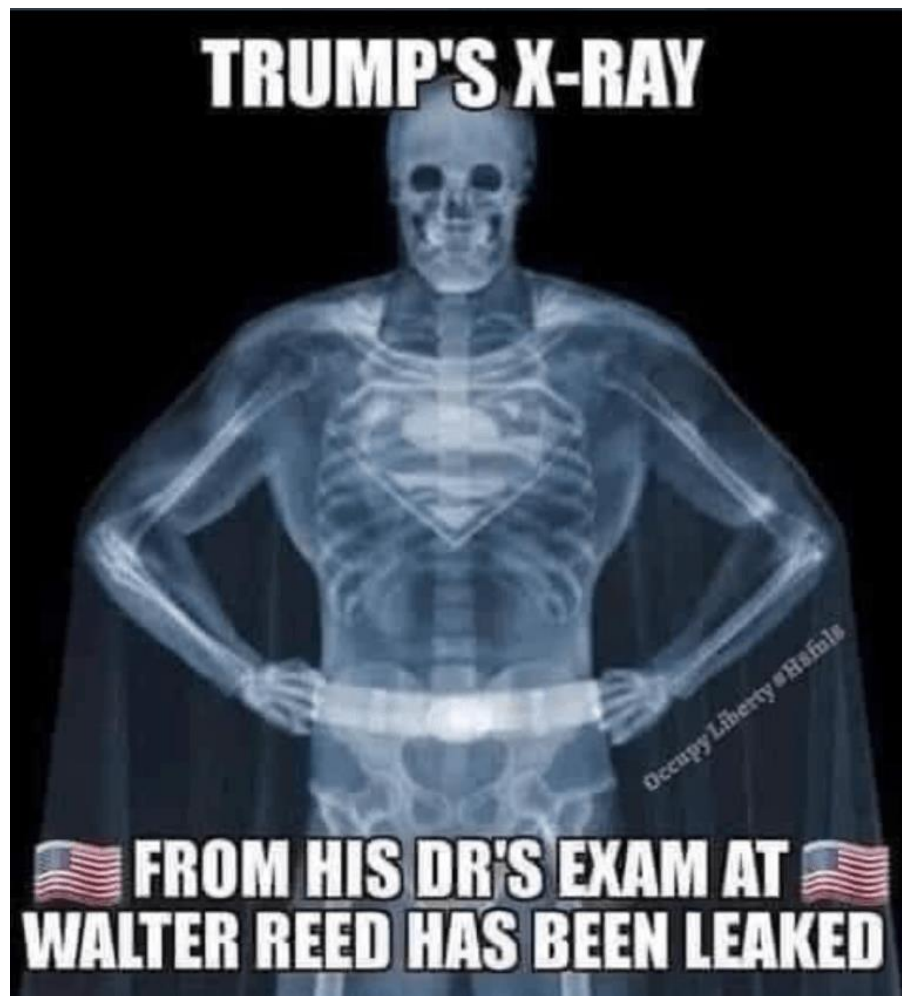
[The forgotten pandemic that put a president in a hospital](#)

Bryan
Coal Speaker
May 24, 2020

[Twitter Flags Trump's Tweet About Now Being 'Immune' to Virus](#)

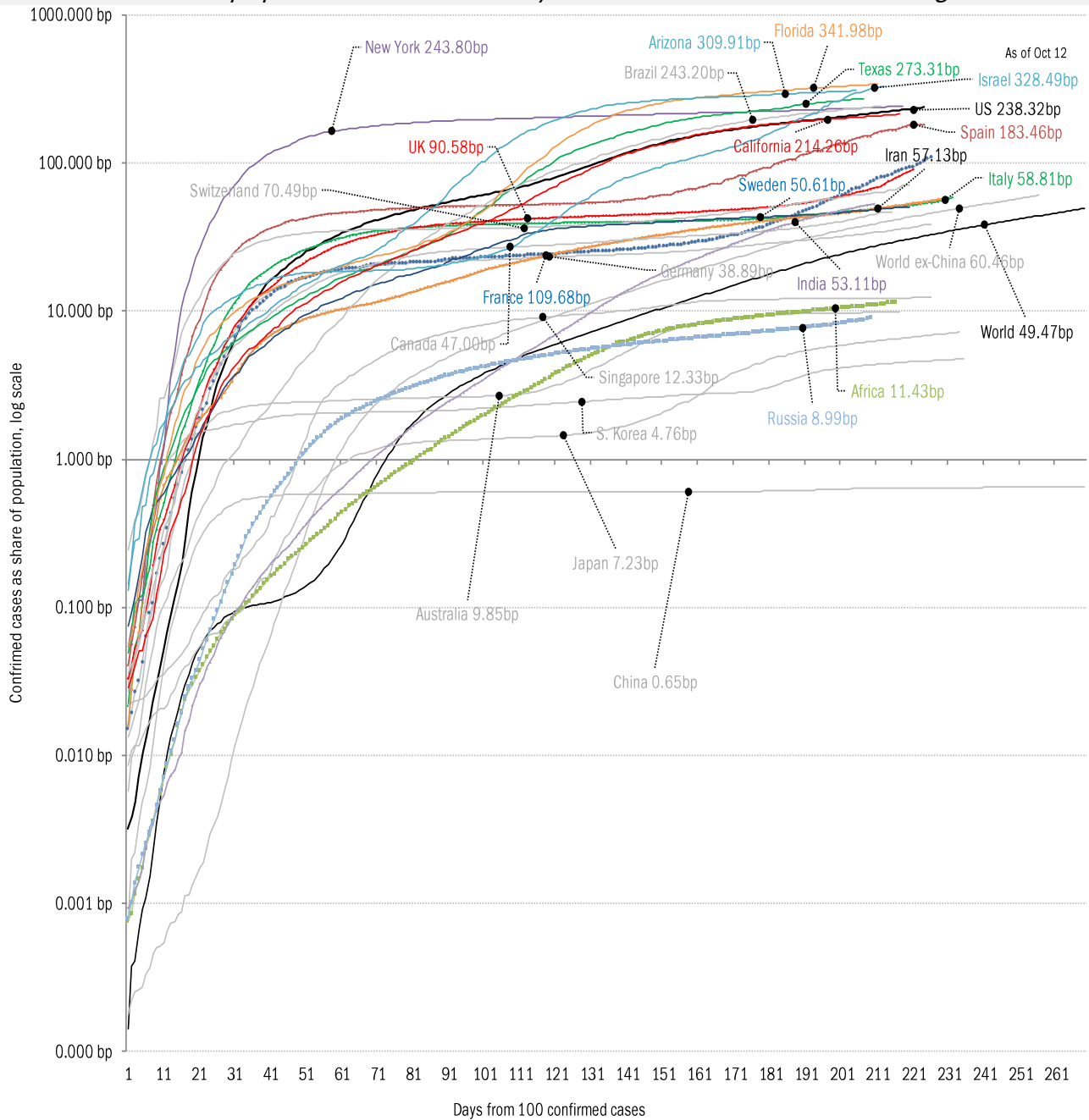
Justin Sink
Bloomberg
October 11, 2020

Meme of day



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

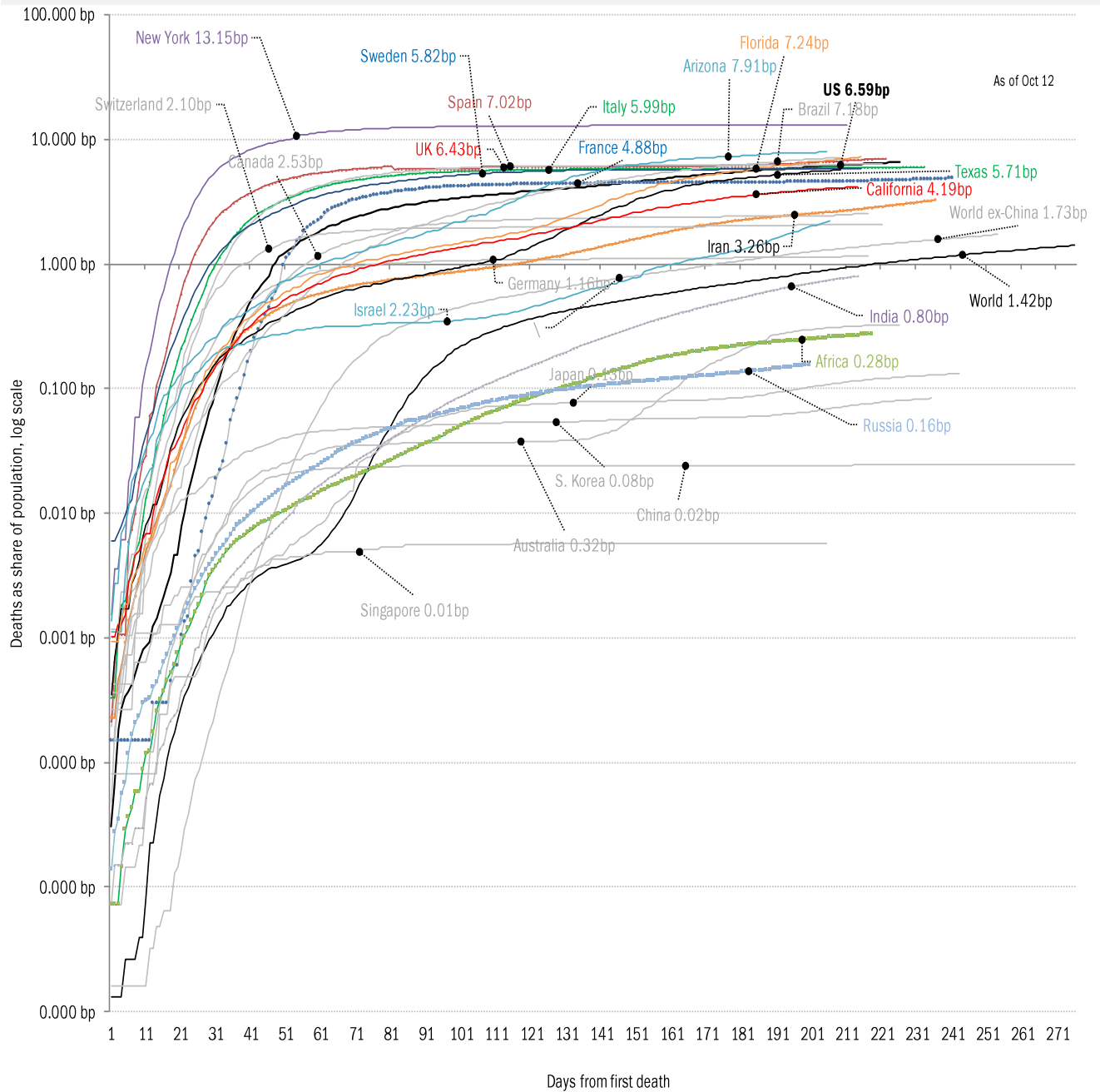
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

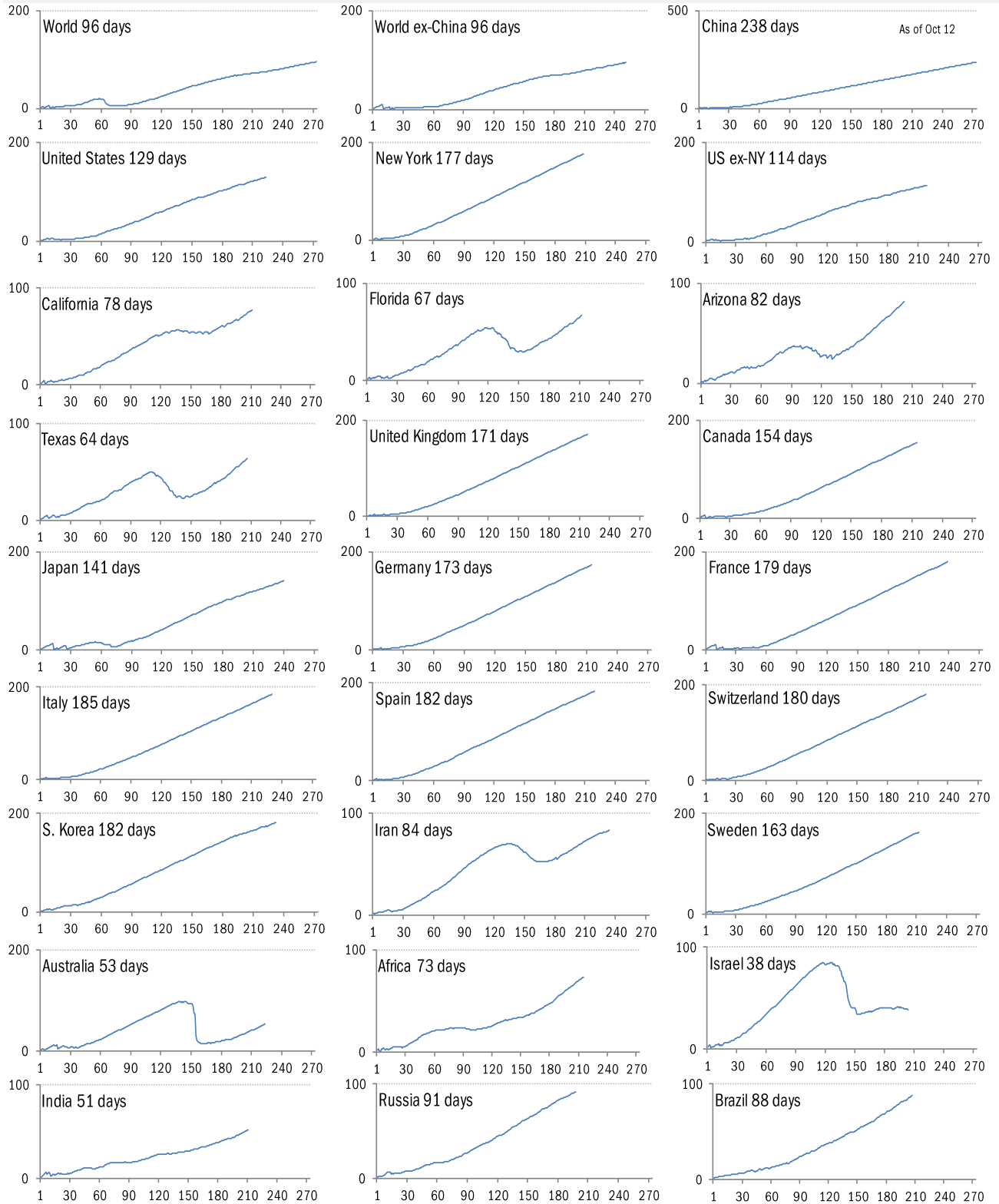


Source: [ECDC](#), TrendMacro calculations

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

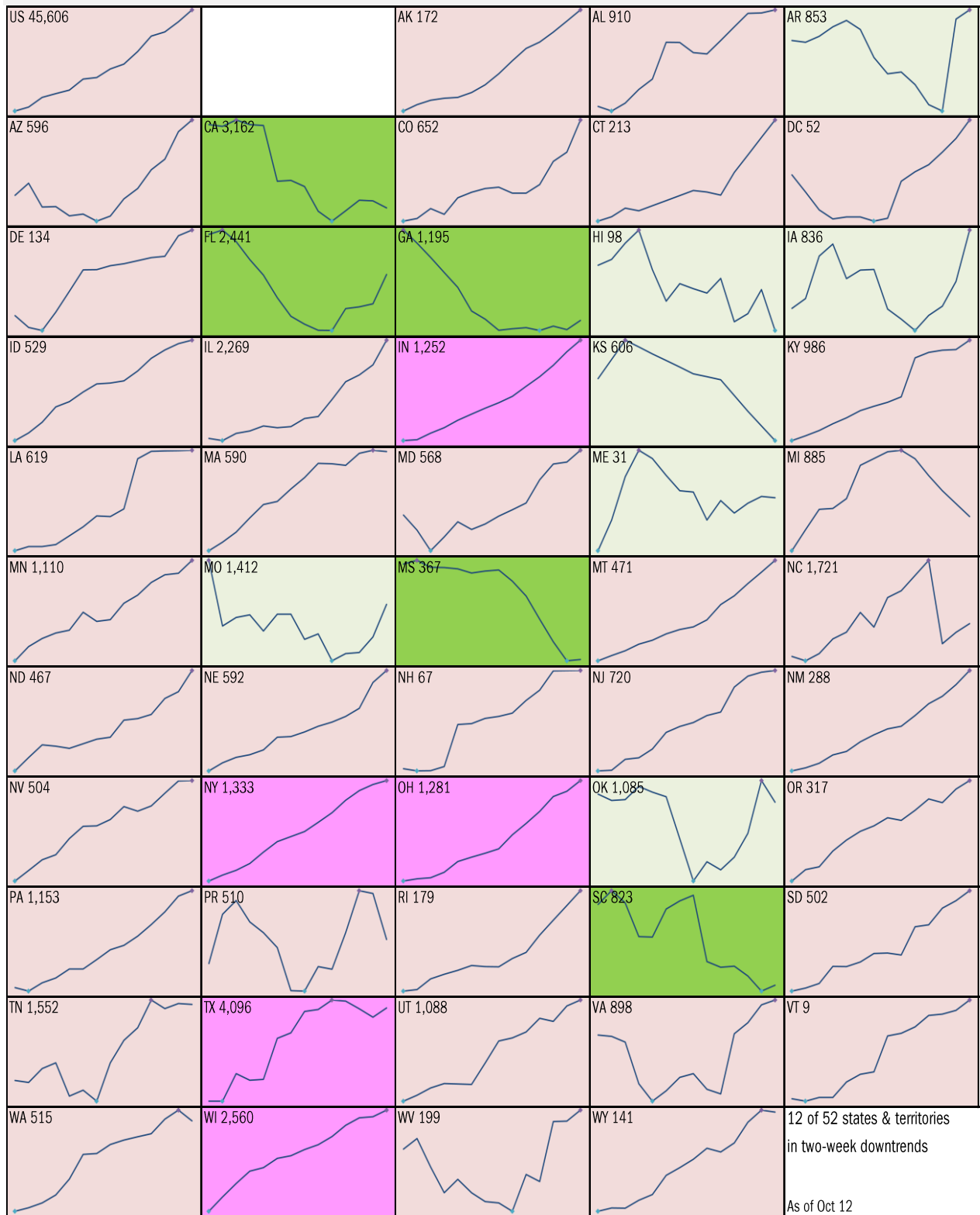
Vertical: days to double deaths Horizontal: days from first death

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



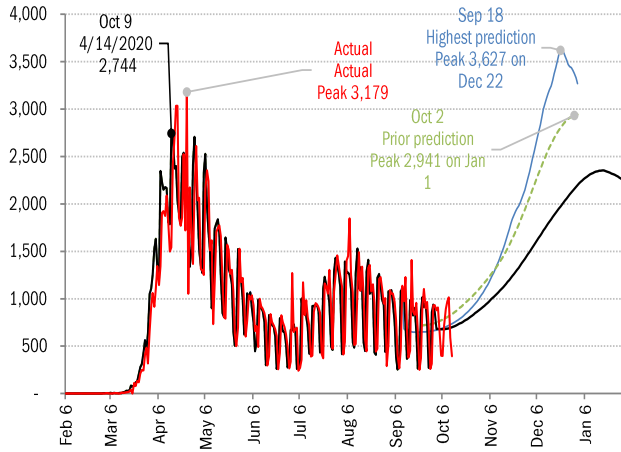
Source: [Covid Tracking Project](#), TrendMacro calculations

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

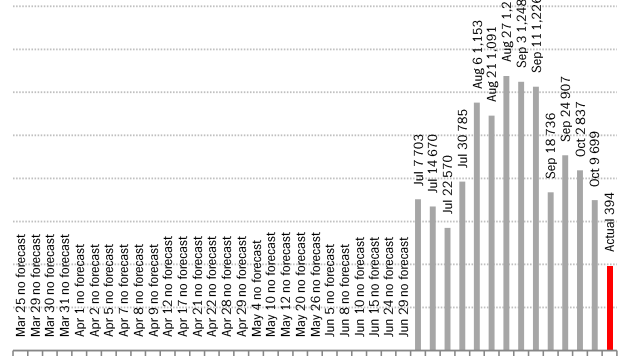
New daily fatalities

As of Oct 12

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

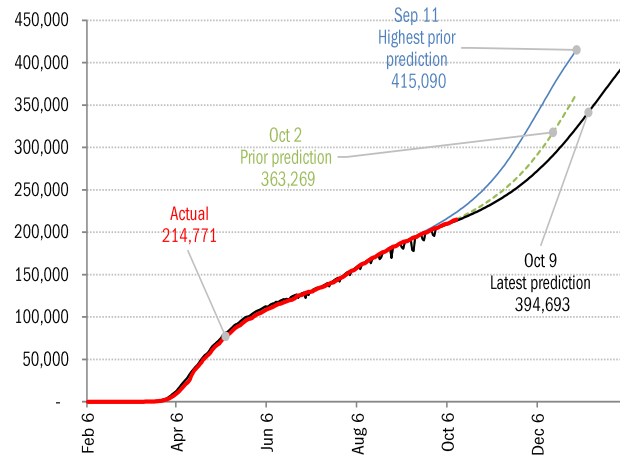


For this day, versus all model mean predictions

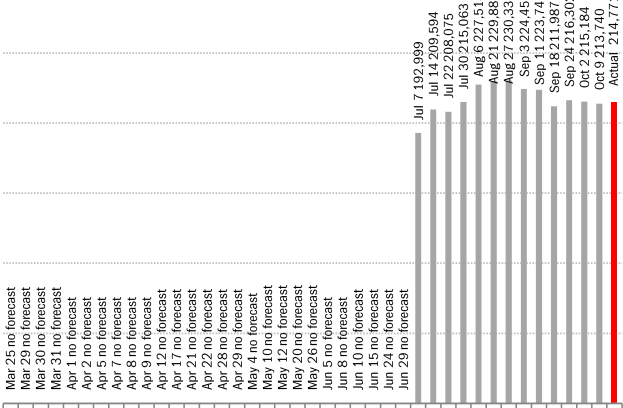


Cumulative fatalities

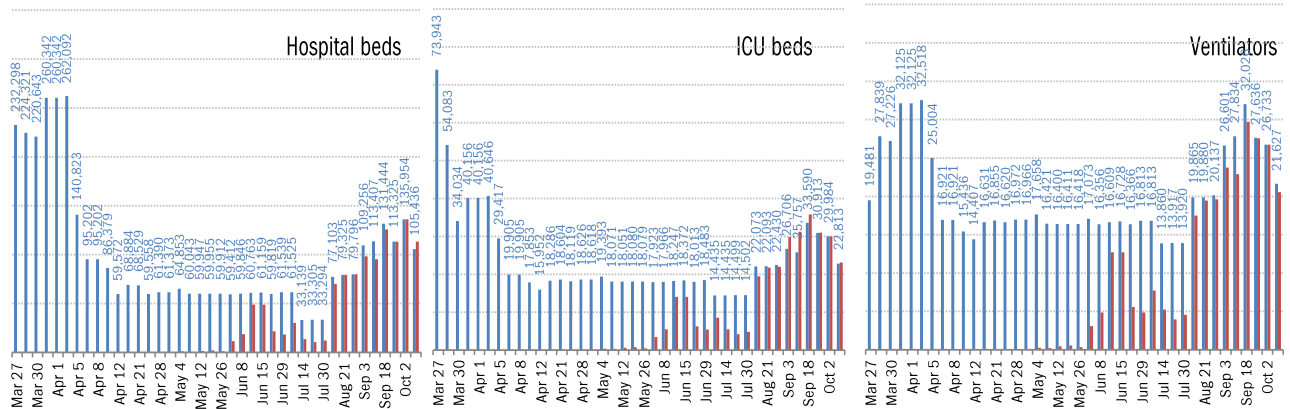
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

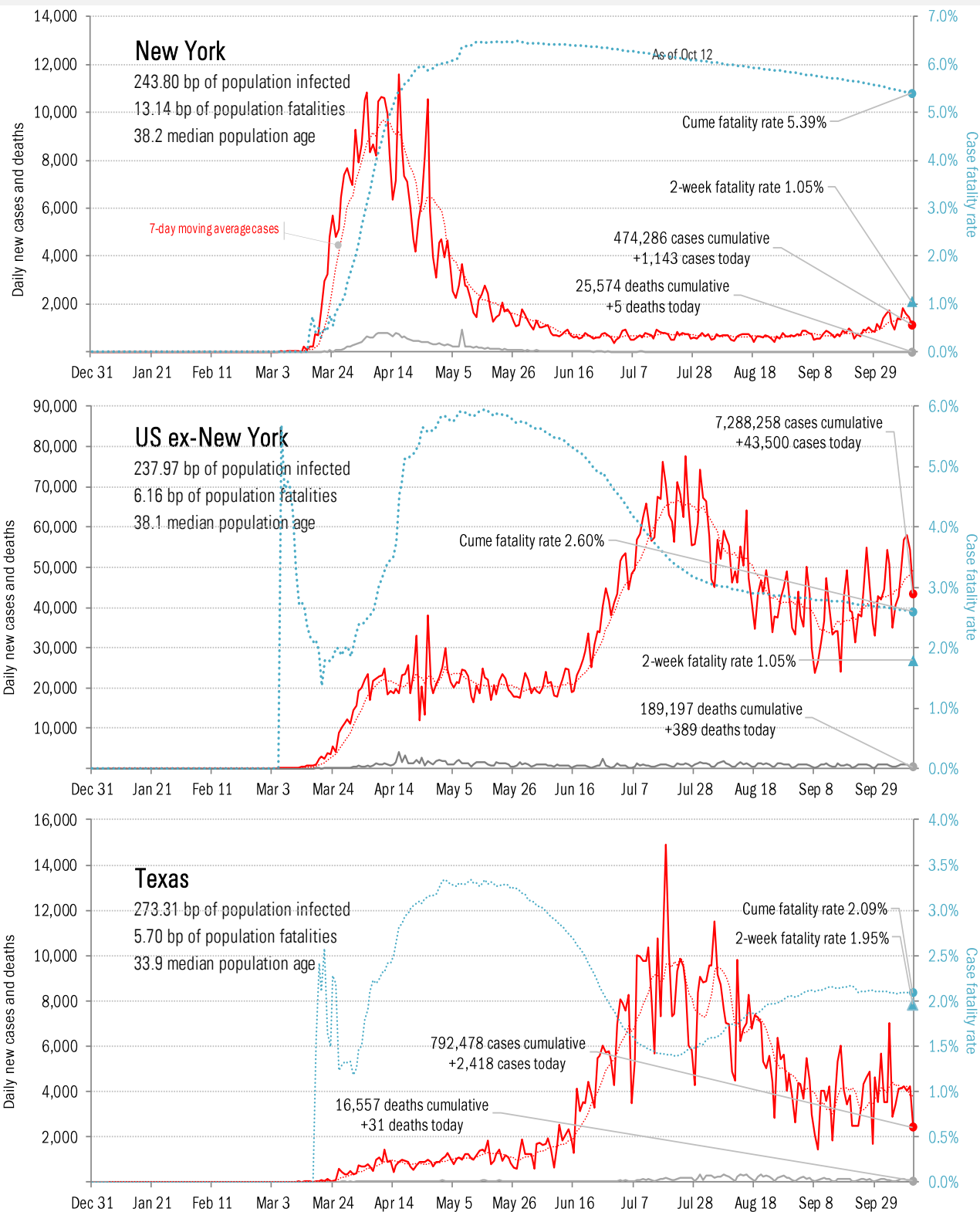


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



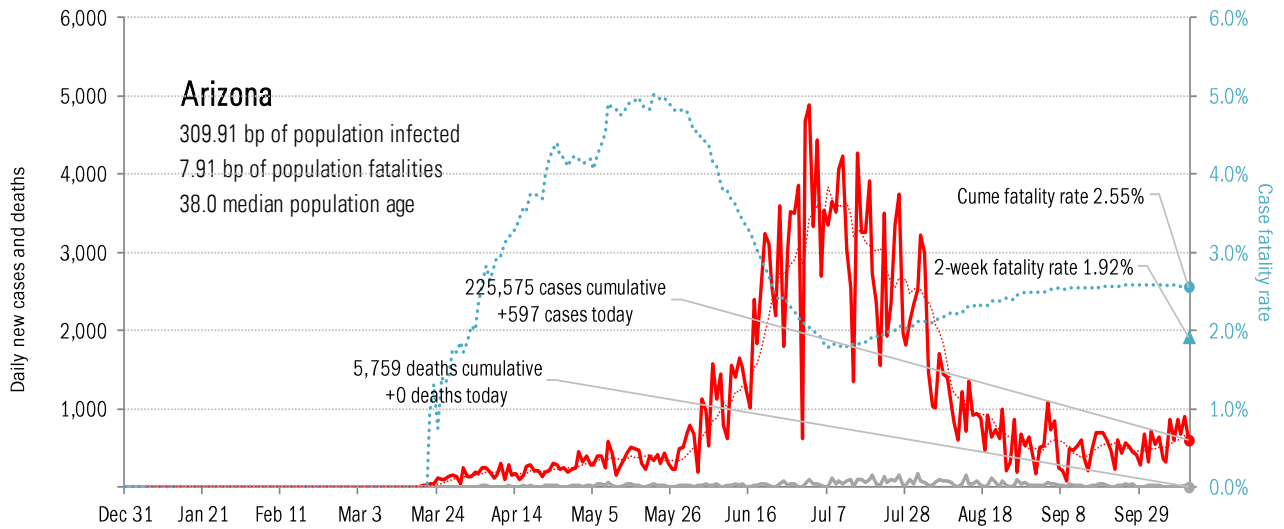
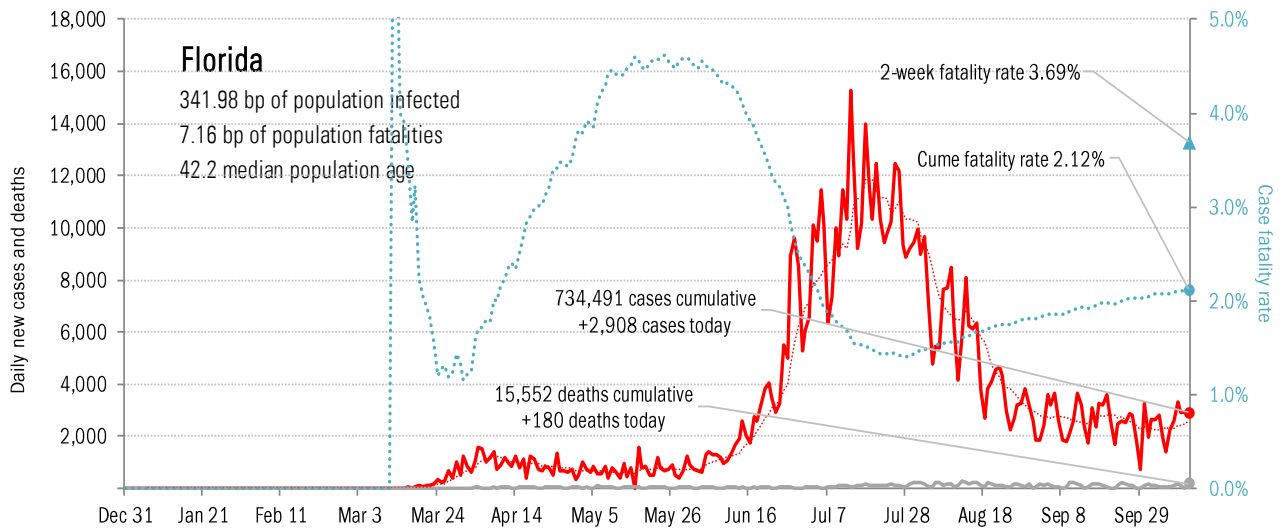
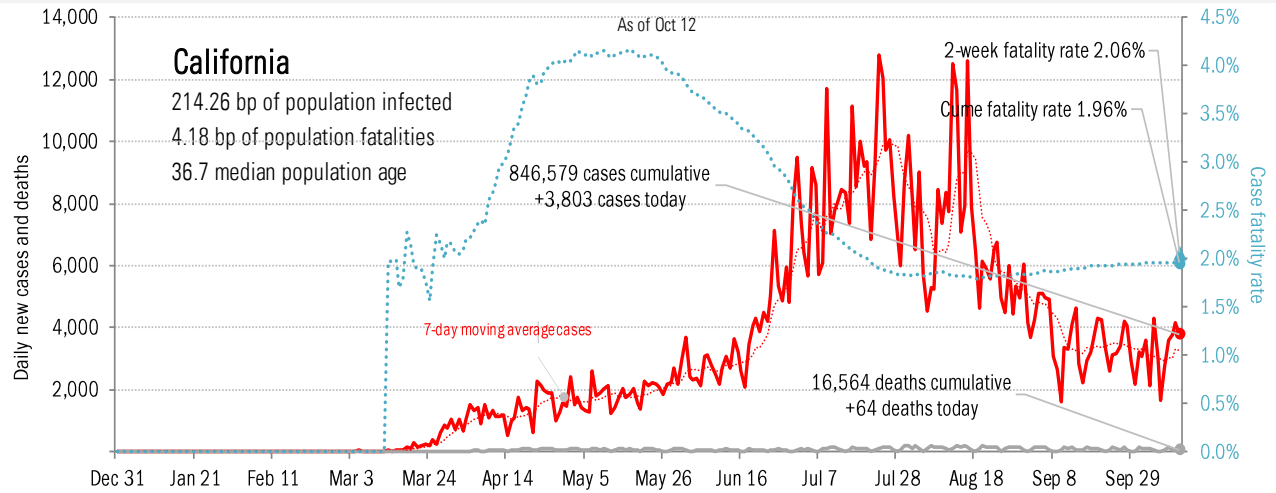
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



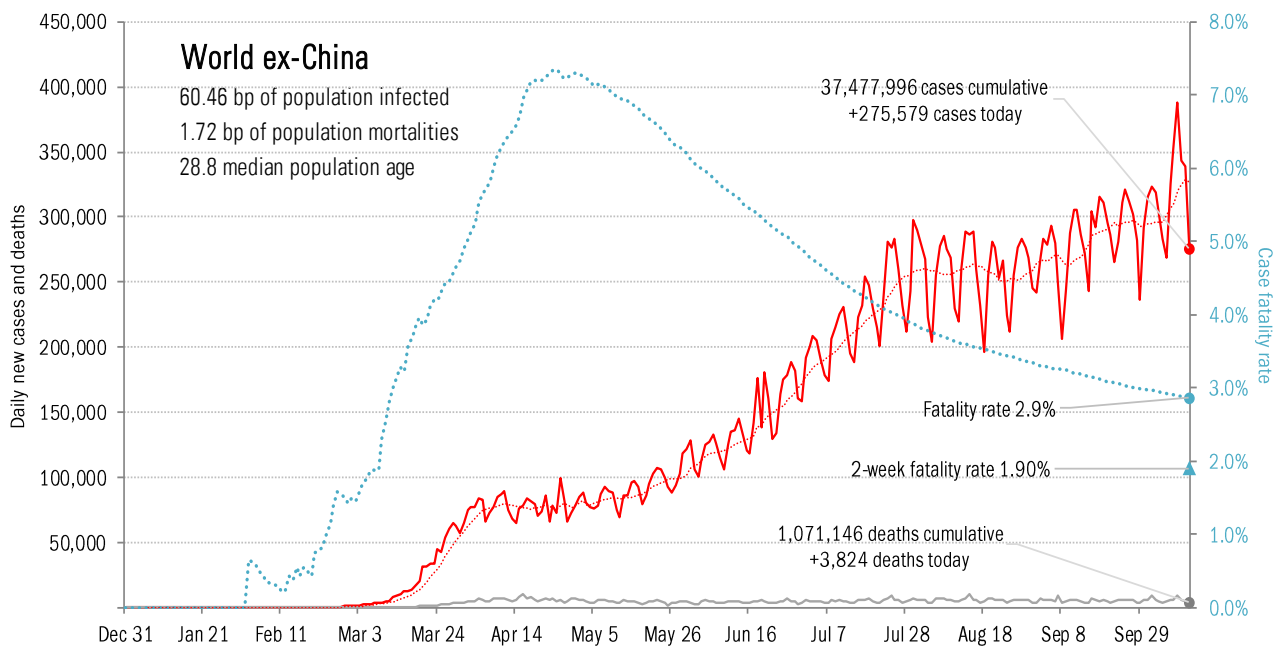
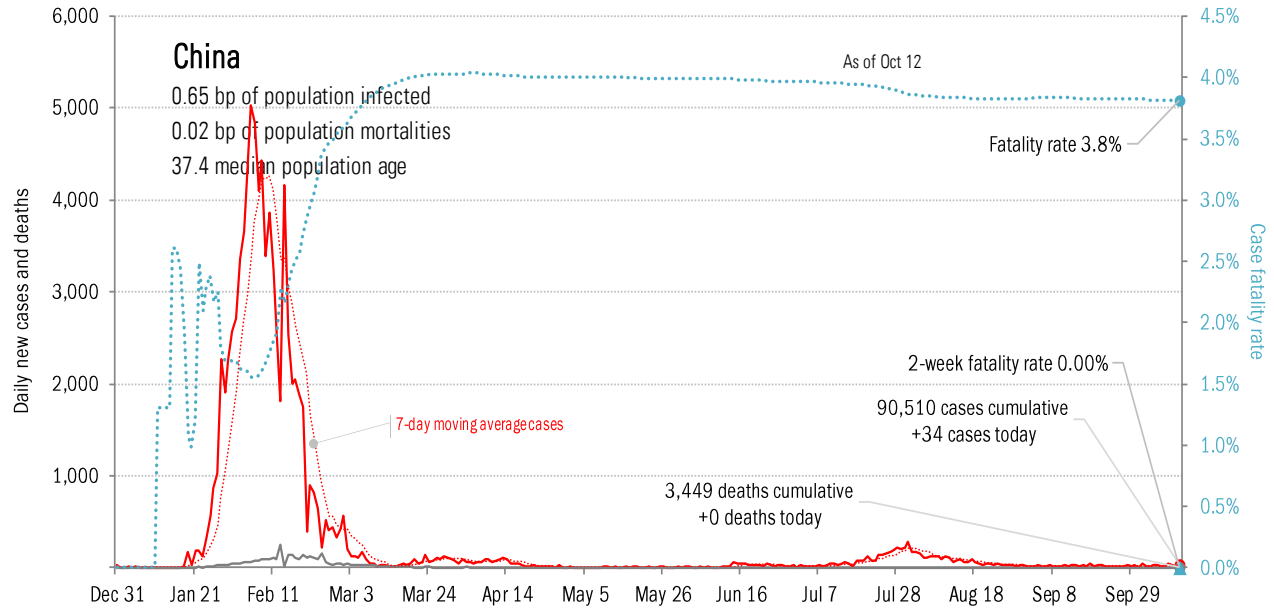
Source: [ECDC](#), TrendMacro calculations

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



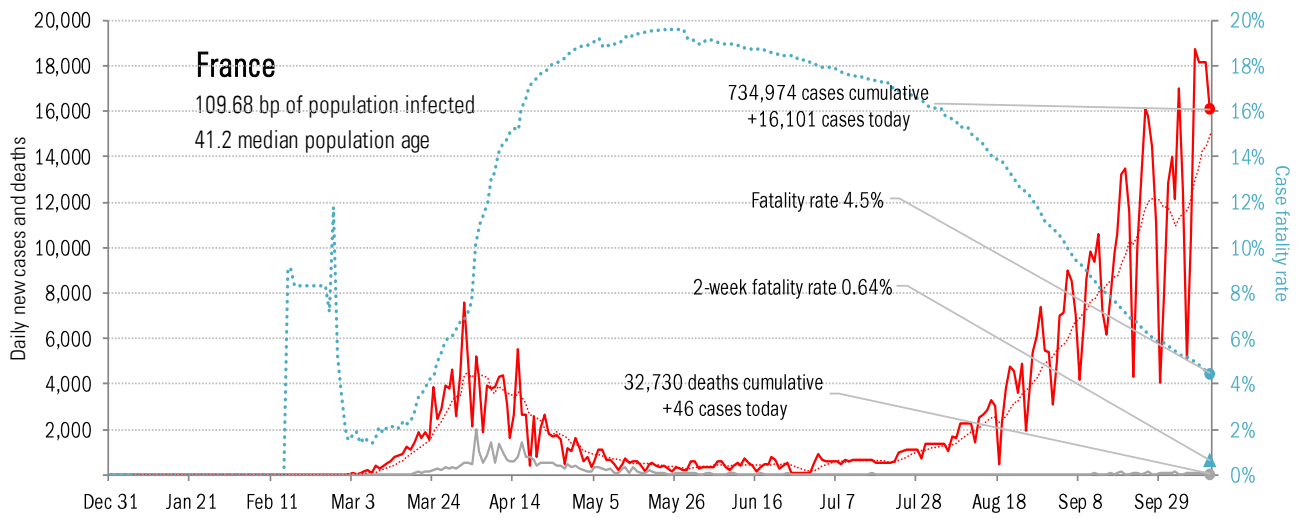
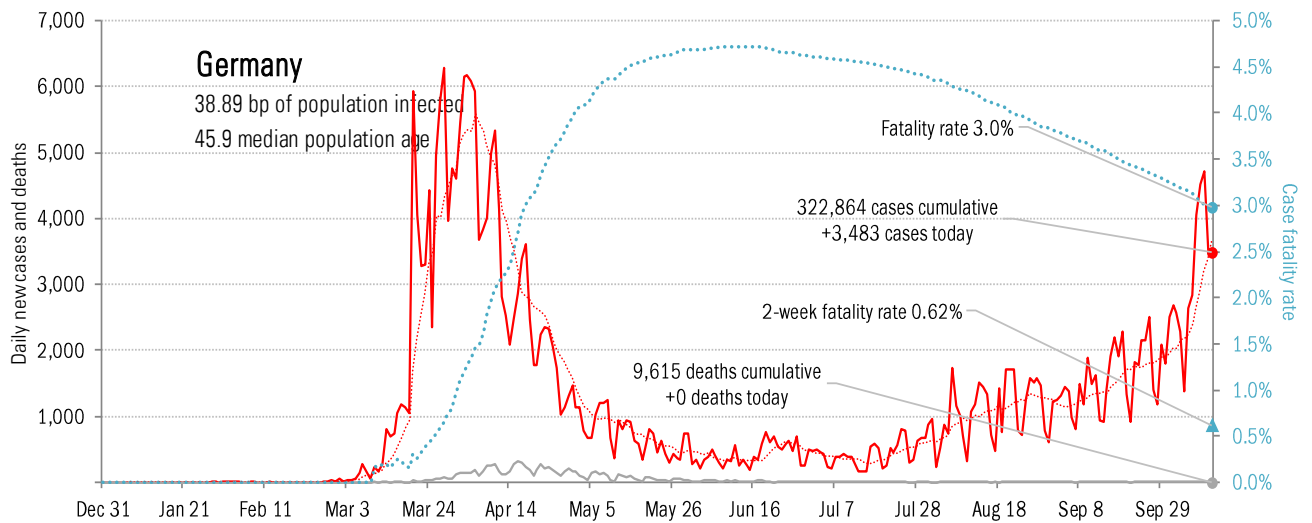
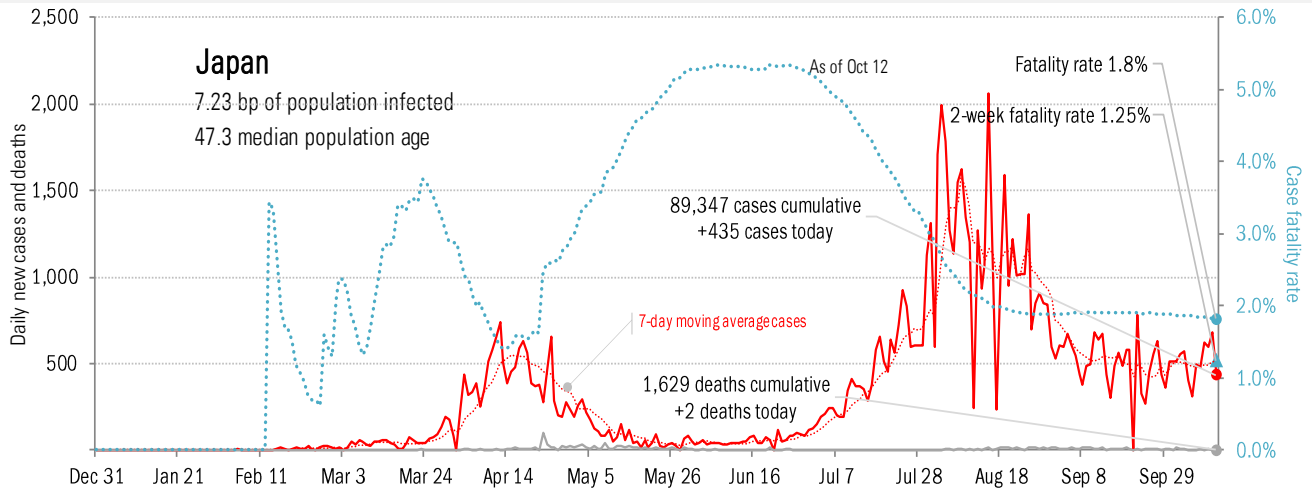
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



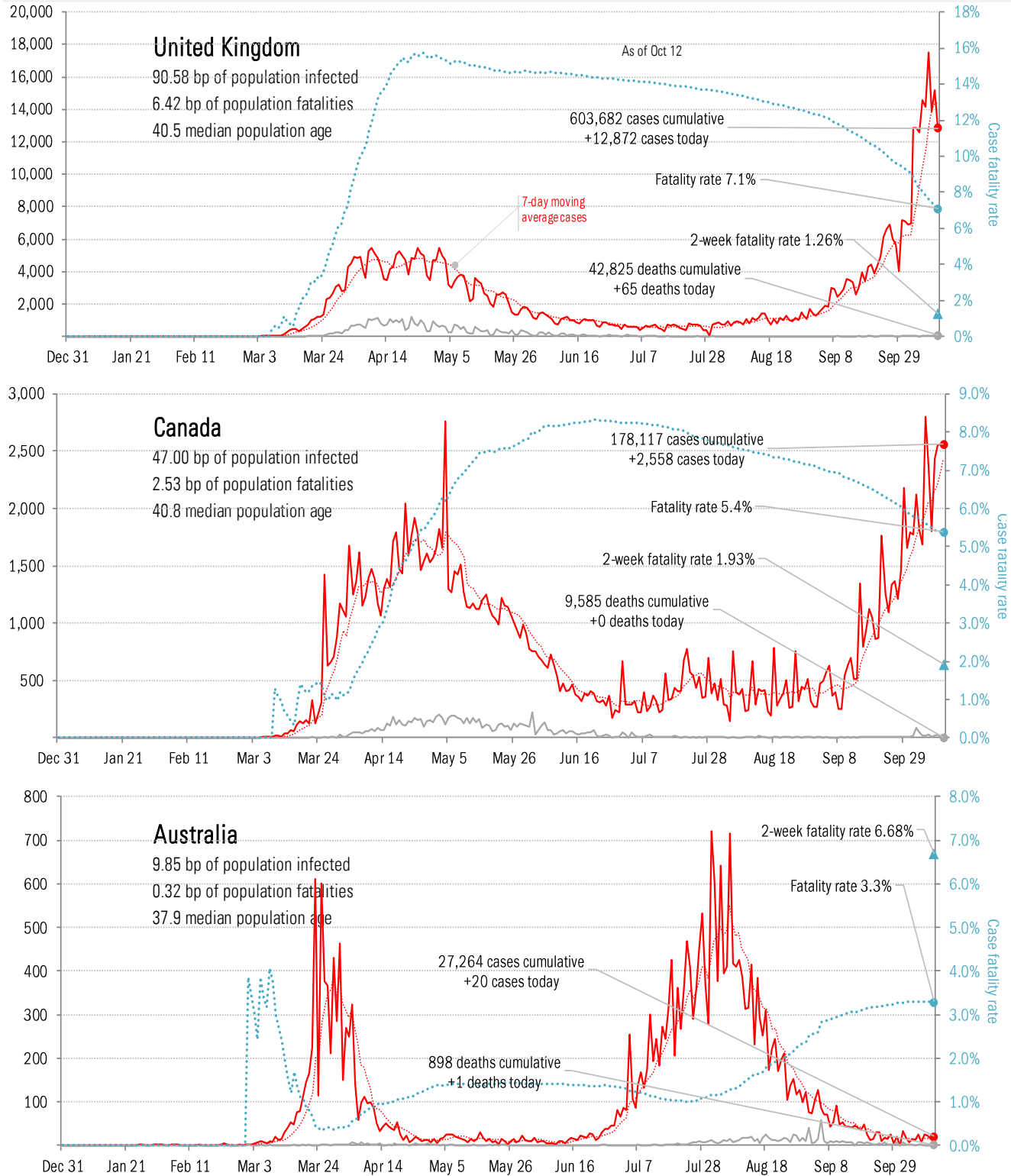
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



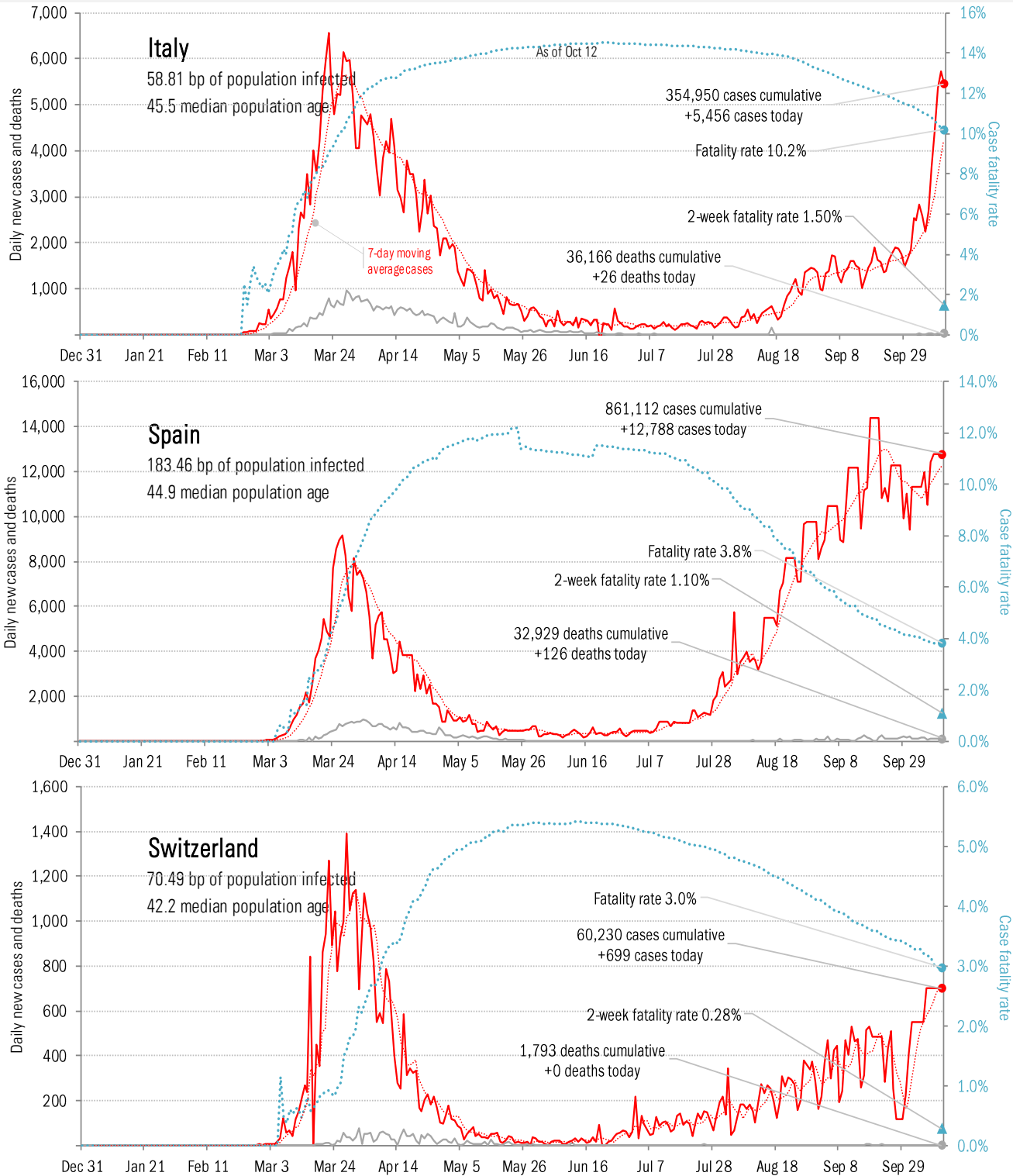
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



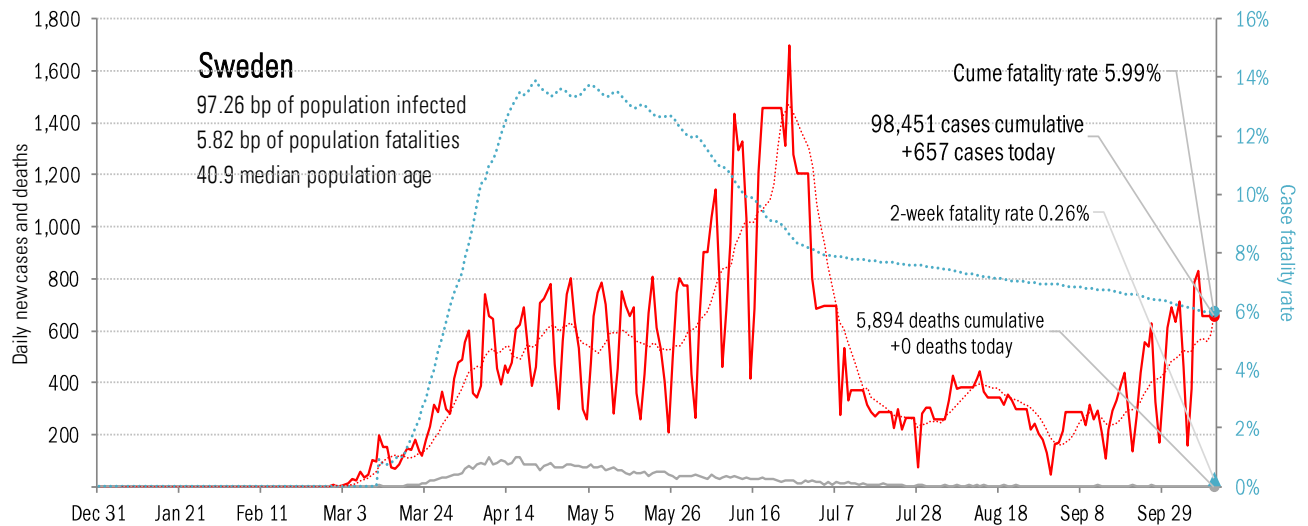
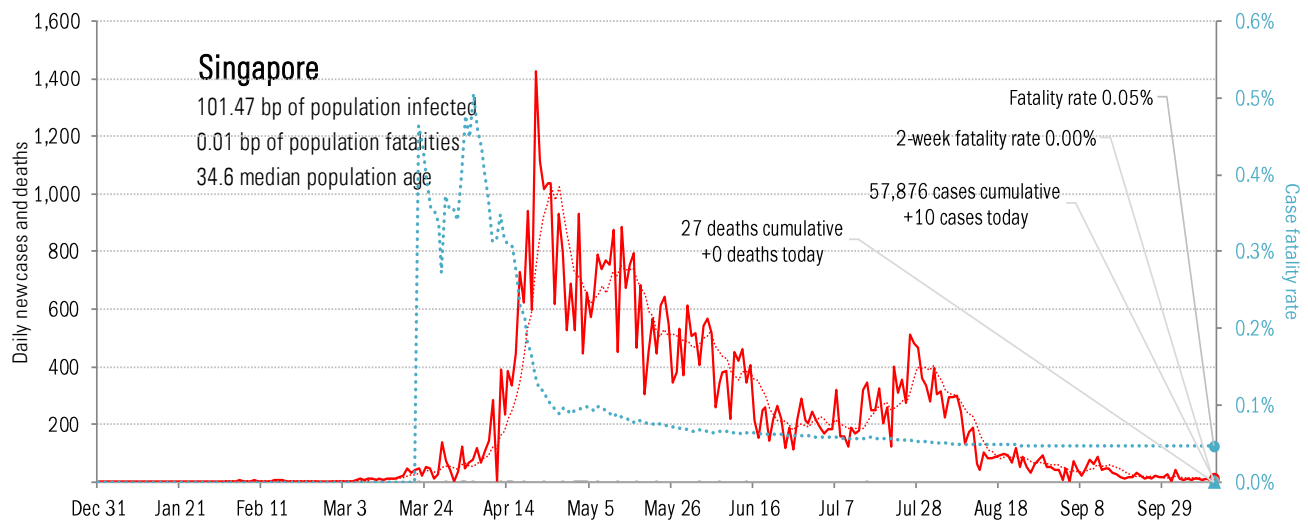
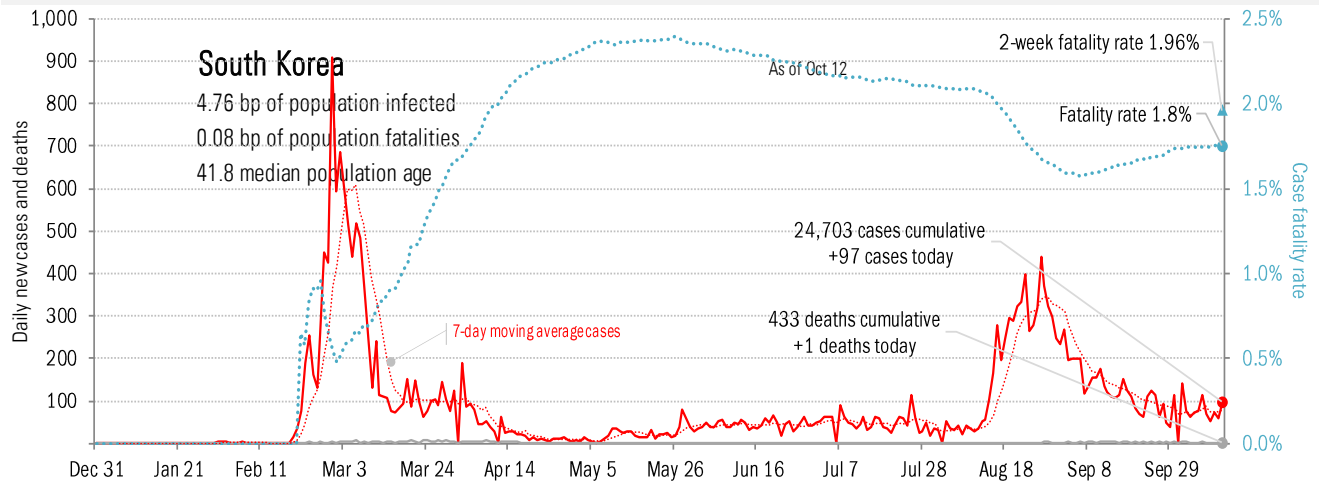
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



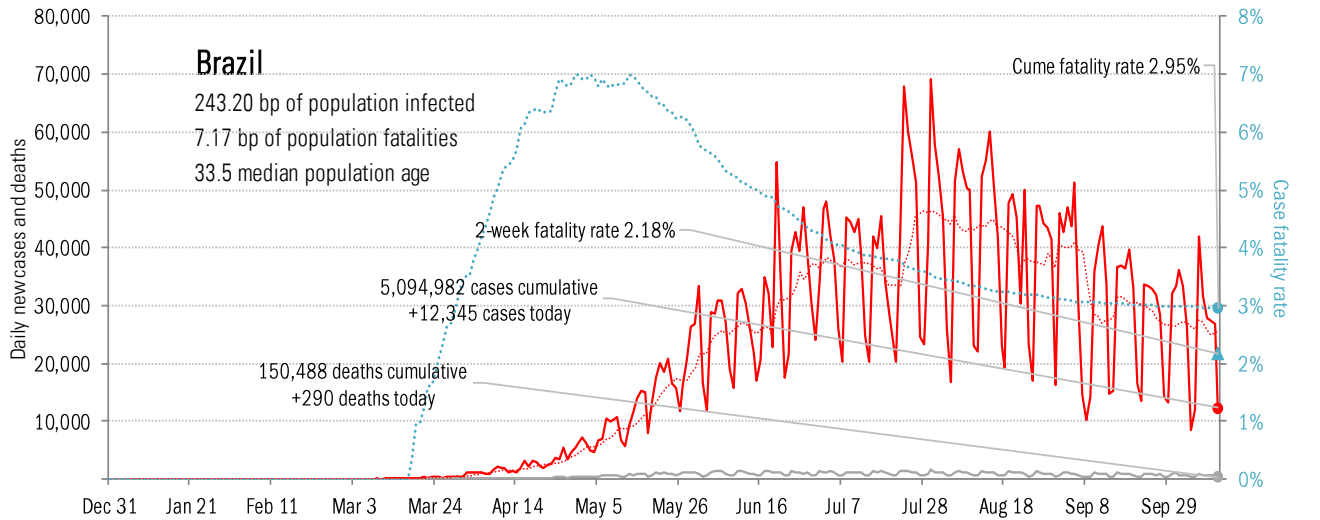
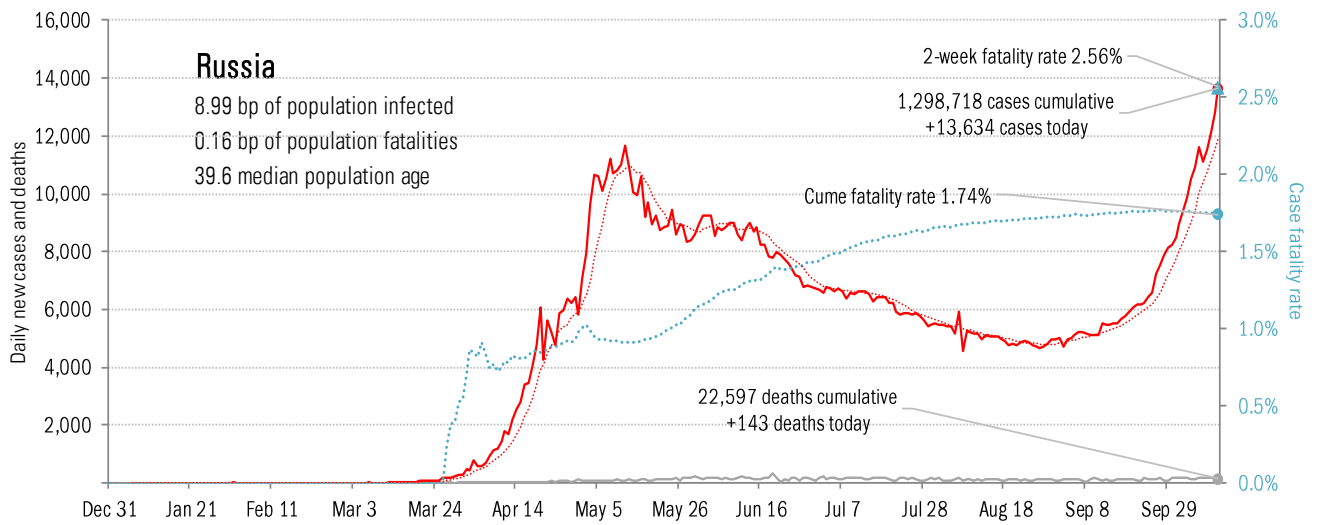
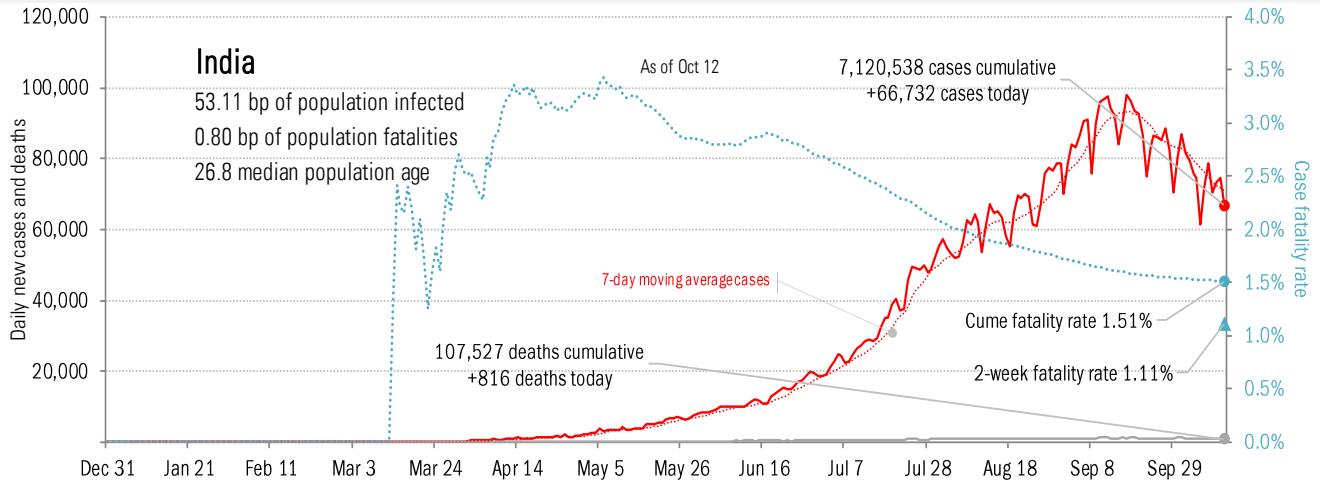
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



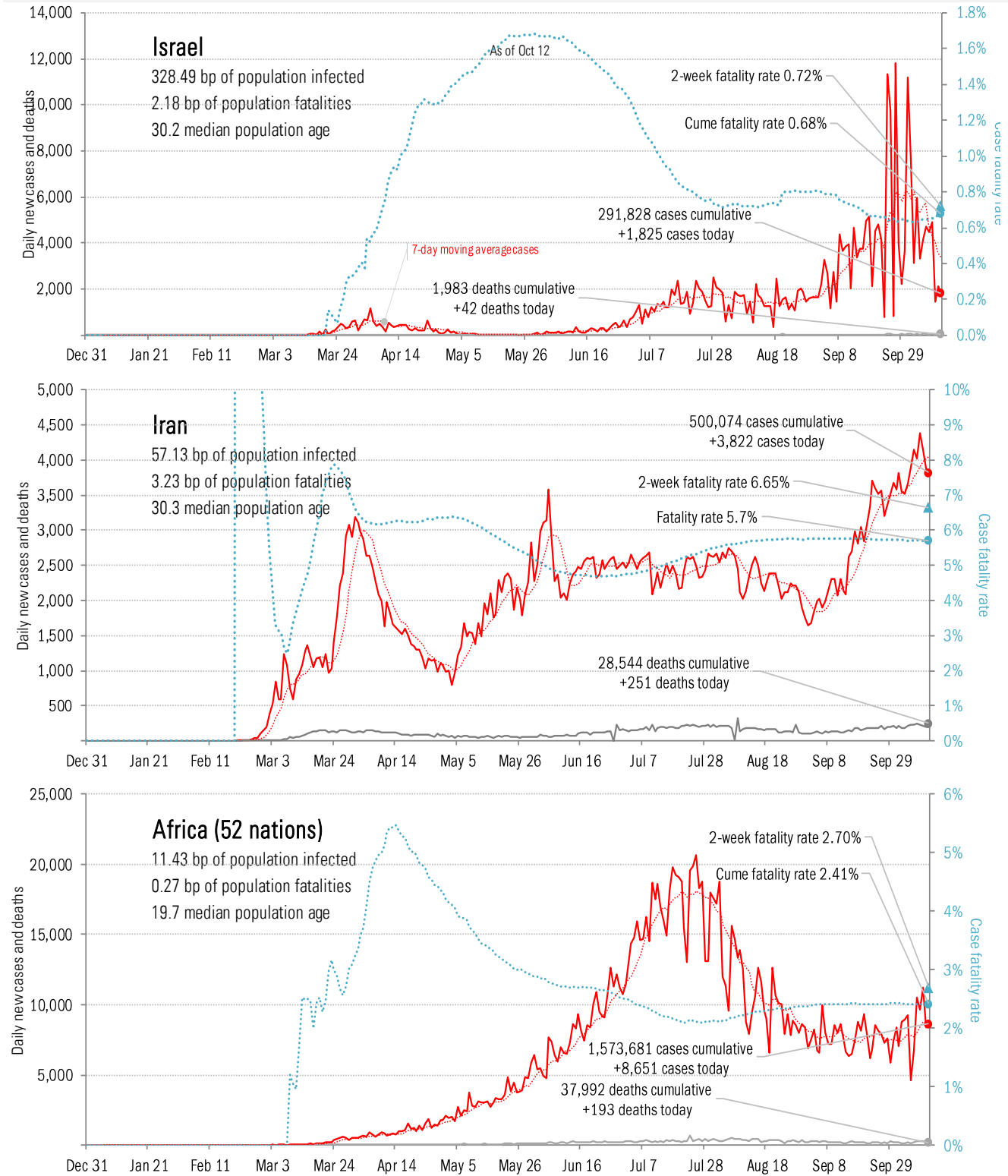
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations