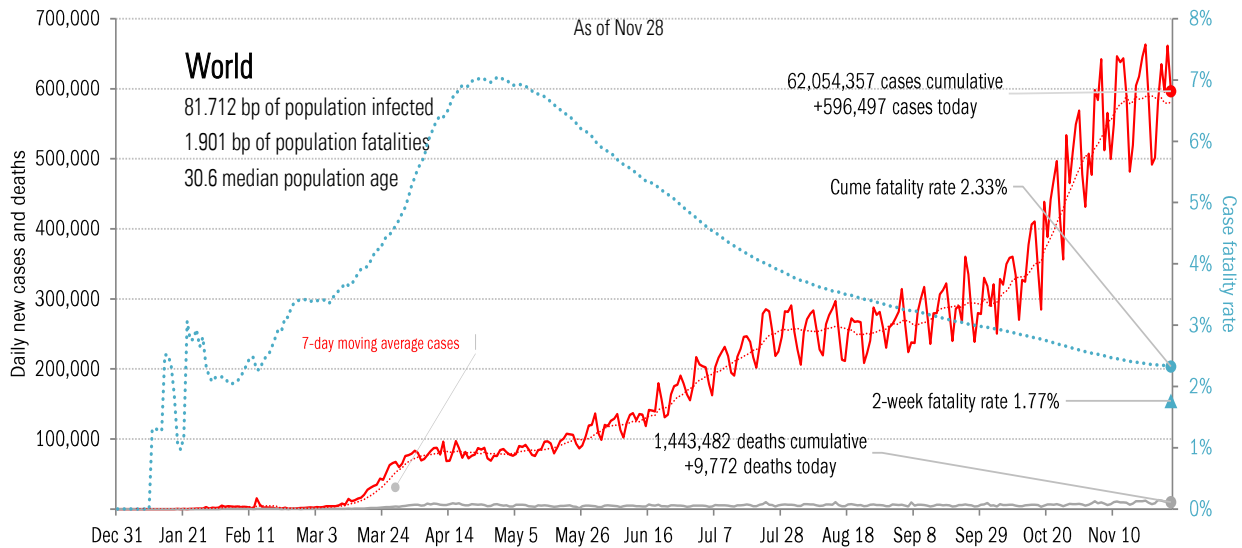
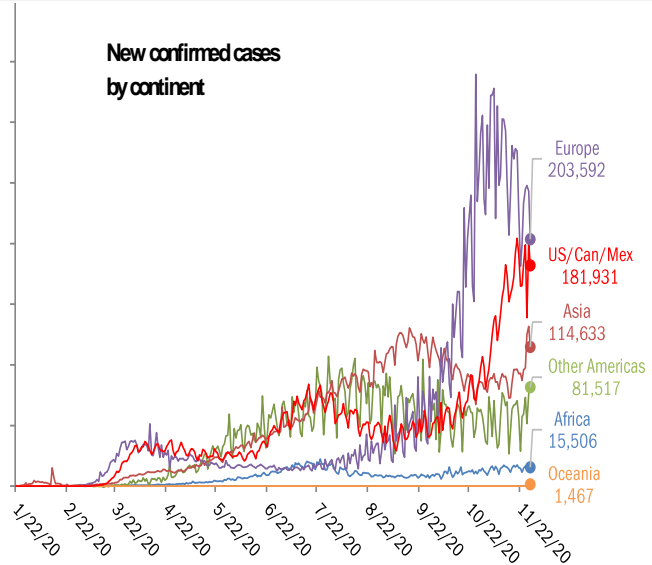


Data Insights: Covid-2019 Monitor

Sunday, November 29, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+153,447	Mexico	+1,217
Brazil	+51,922	United States	+1,215
India	+41,810	Italy	+686
Turkey	+30,103	Poland	+599
Russia	+26,809	Brazil	+587
Italy	+26,315	Russia	+501
Mexico	+22,809	India	+496
Ukraine	+16,585	United Kingdom	+479
United Kingdom	+15,891	Iran	+391
Poland	+15,177	Uruguay	+220
+400,868		+6,391	
World	+596,497	World	+9,772
Top ten	67%	Top ten	65%



Source: [Johns Hopkins](#), [Covid Tracking Project](#), 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

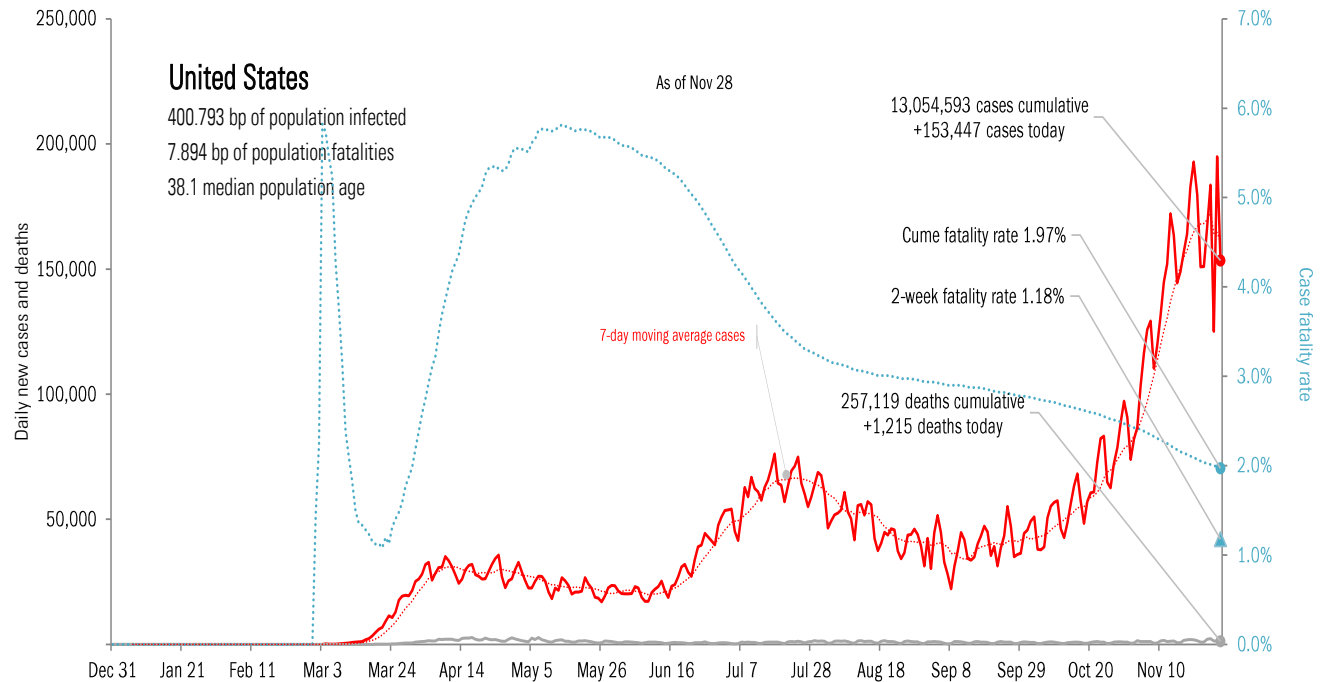
The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
CA	+11,996	IL	+152	CA	+296	CA	1,183,320	NY	26,632	NY	89,995
MN	+9,022	MI	+110	CH	+205	TX	1,151,069	TX	21,309	FL	55,277
MI	+8,351	TX	+102	NY	+184	FL	969,813	CA	19,089	NJ	41,118
PA	+8,053	FL	+81	FL	+170	IL	712,936	FL	18,677	GA	34,724
IL	+7,873	IN	+69	PA	+139	NY	634,438	NJ	16,965	CH	26,262
CH	+6,895	CA	+56	WI	+116	GA	418,936	IL	12,838	VA	25,542
TN	+6,750	SD	+54	IN	+94	CH	406,703	MA	10,676	AZ	25,348
OK	+6,257	MN	+45	AZ	+82	WI	404,999	PA	10,275	IN	25,329
NY	+6,063	GA	+44	TX	+79	MI	378,152	MI	9,467	AL	24,670
FL	+6,062	NY	+44	GA	+75	TN	363,466	GA	9,424	MD	20,713
+77,322		+757		+1,440		6,623,832		155,352		368,978	
All states	+153,447	All states	+1,215	All states	+1,801	All states	13,054,593	All states	257,119	All states	564,952
Top ten	50%	Top ten	62%	Top ten	80%	Top ten	51%	Top ten	60%	Top ten	65%

Some states not reporting

Five most improved US states

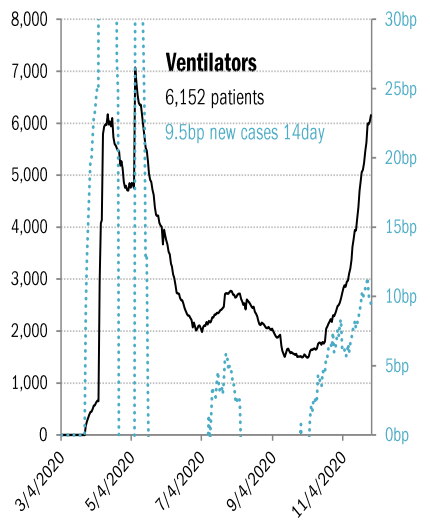
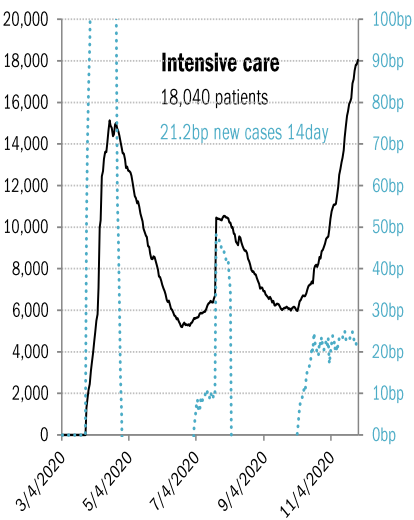
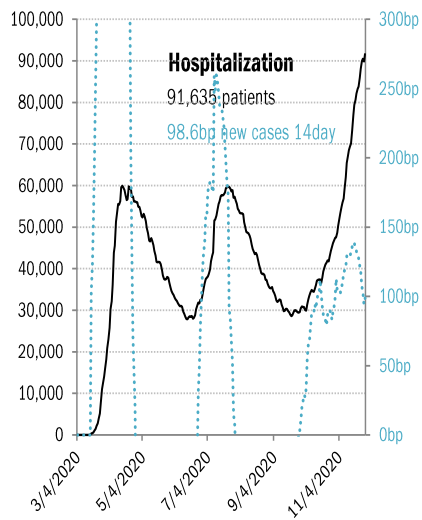
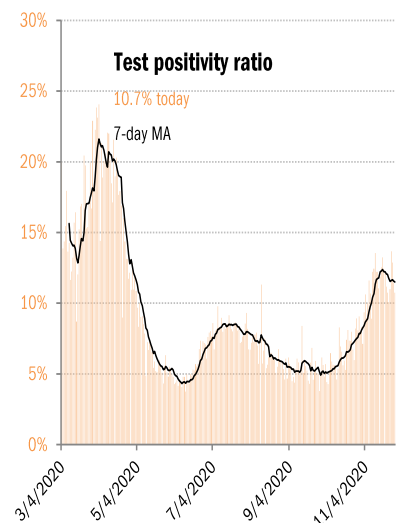
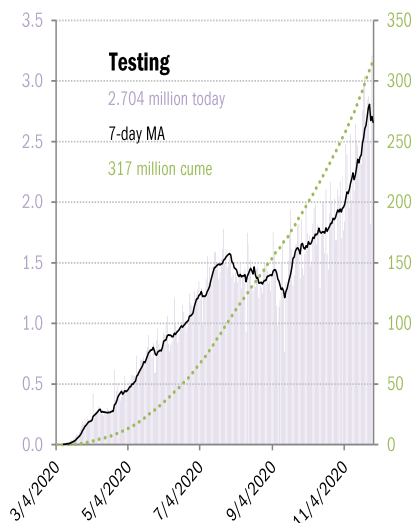
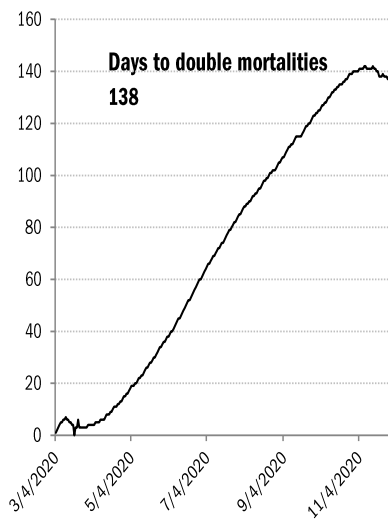
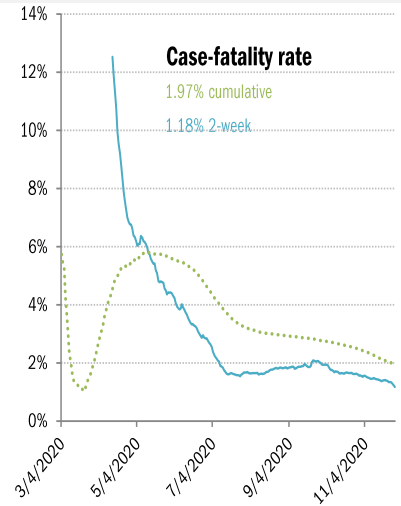
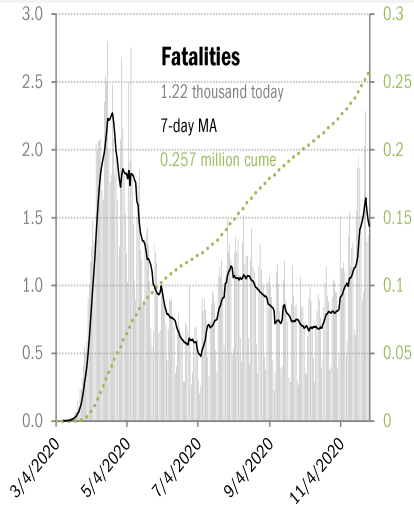
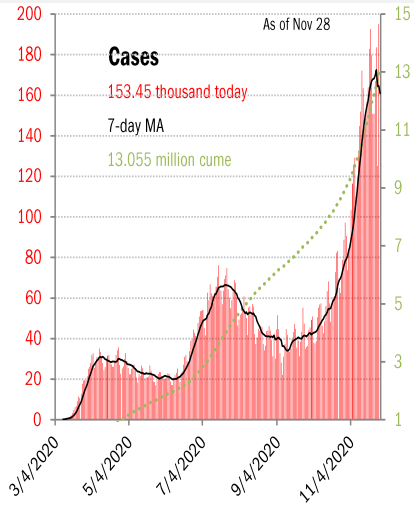
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-10,733	MI	-77	CT	-49	MI	+13,002
CH	-10,170	NC	-63	AL	-47	MN	+12,503
MI	-9,017	MN	-56	CR	-37	OK	+6,925
KS	-5,224	LA	-41	MI	-34	CH	+6,578
LA	-4,964	CH	-40	SD	-29	WI	+5,229



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

US deep-dive

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



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

Recommended reading

[After warnings to avoid travel, Denver Mayor Hancock flies to visit family for Thanksgiving](#)

Allison Sylte, Marshall Zelinger
9News
November 26, 2020

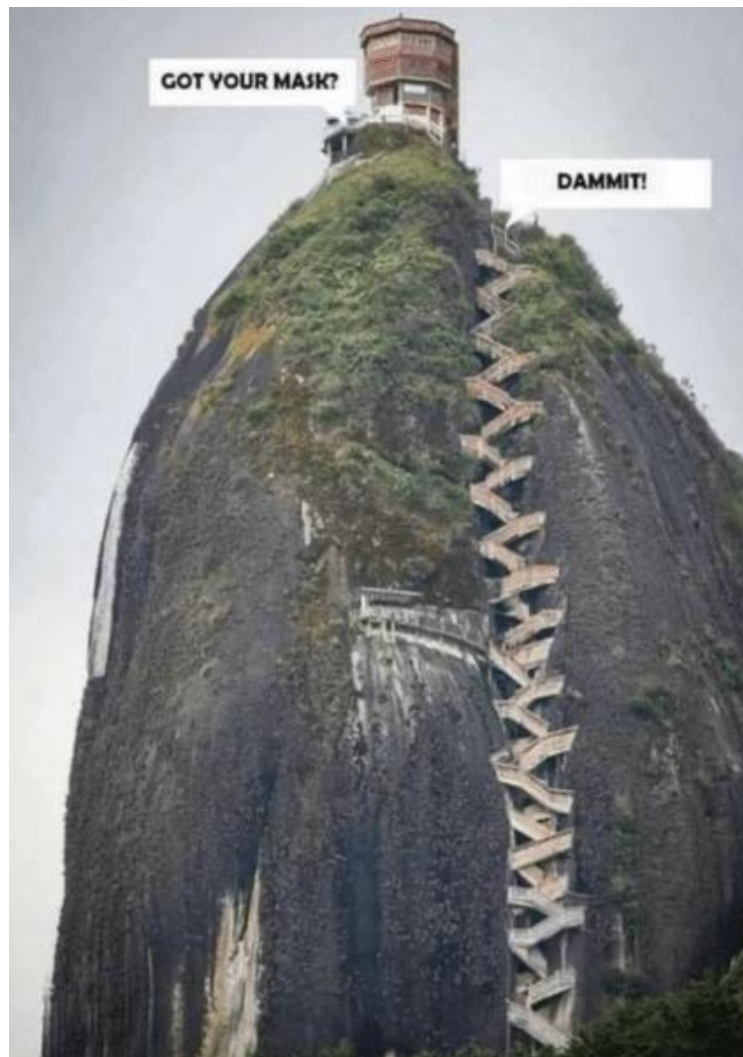
[Merkel outlines Germany's plan to extend restrictions through December.](#)

Christopher F. Schuetze
New York Times
November 26, 2020

[Euro zone to move on bailout fund reform amid COVID worries](#)

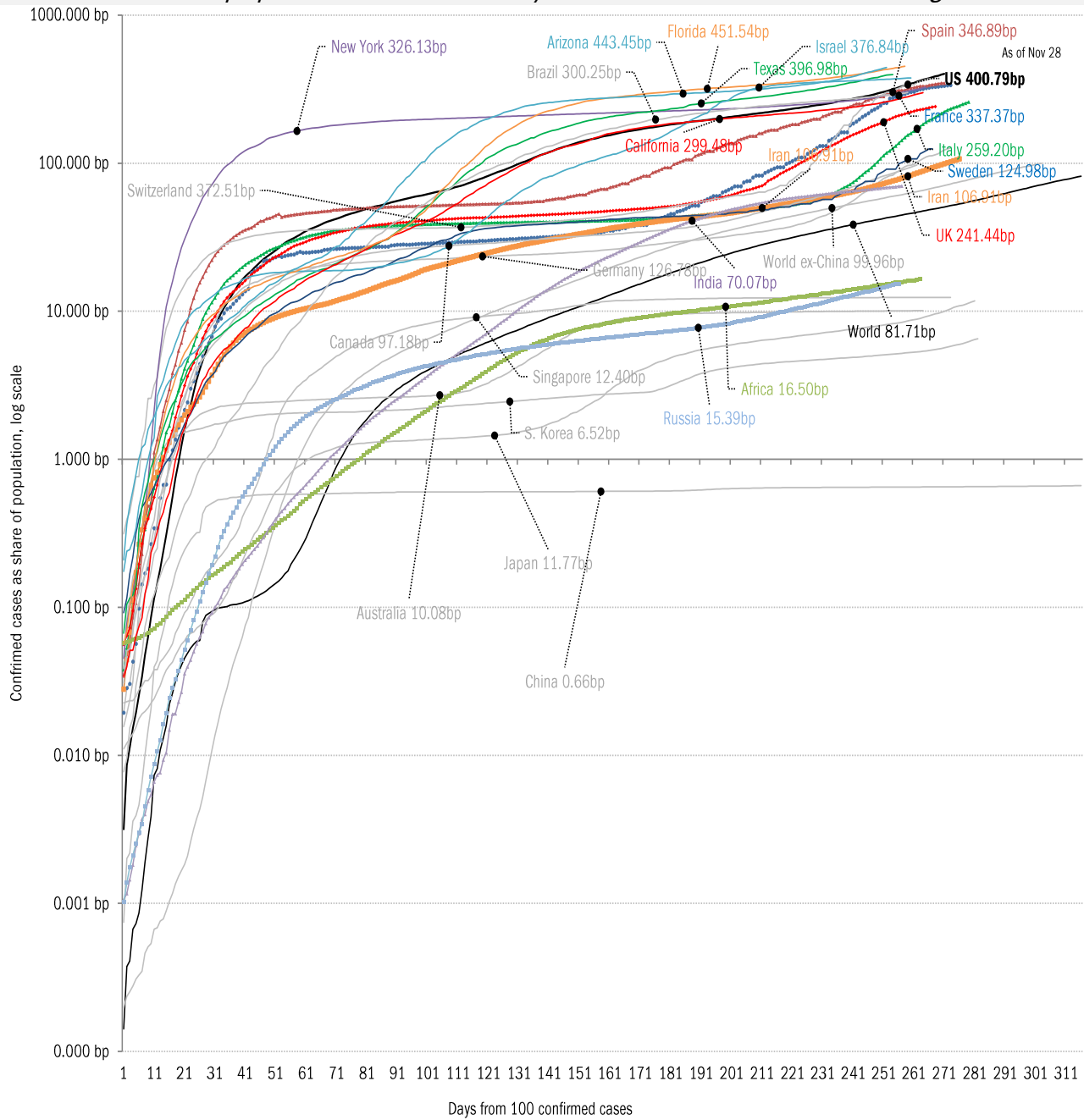
Jan Strupczewski
Reuters
November 26, 2020

Meme of day



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

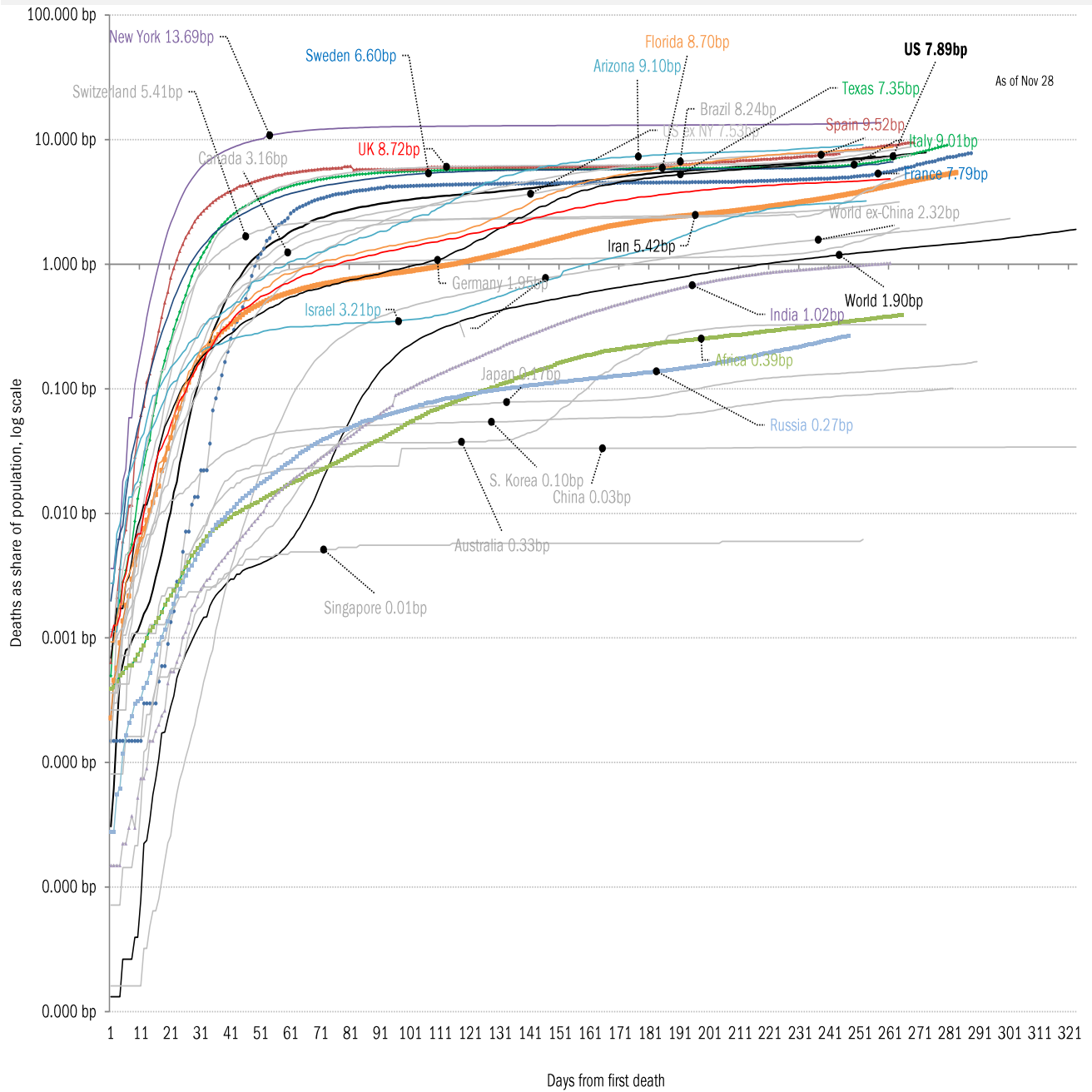
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

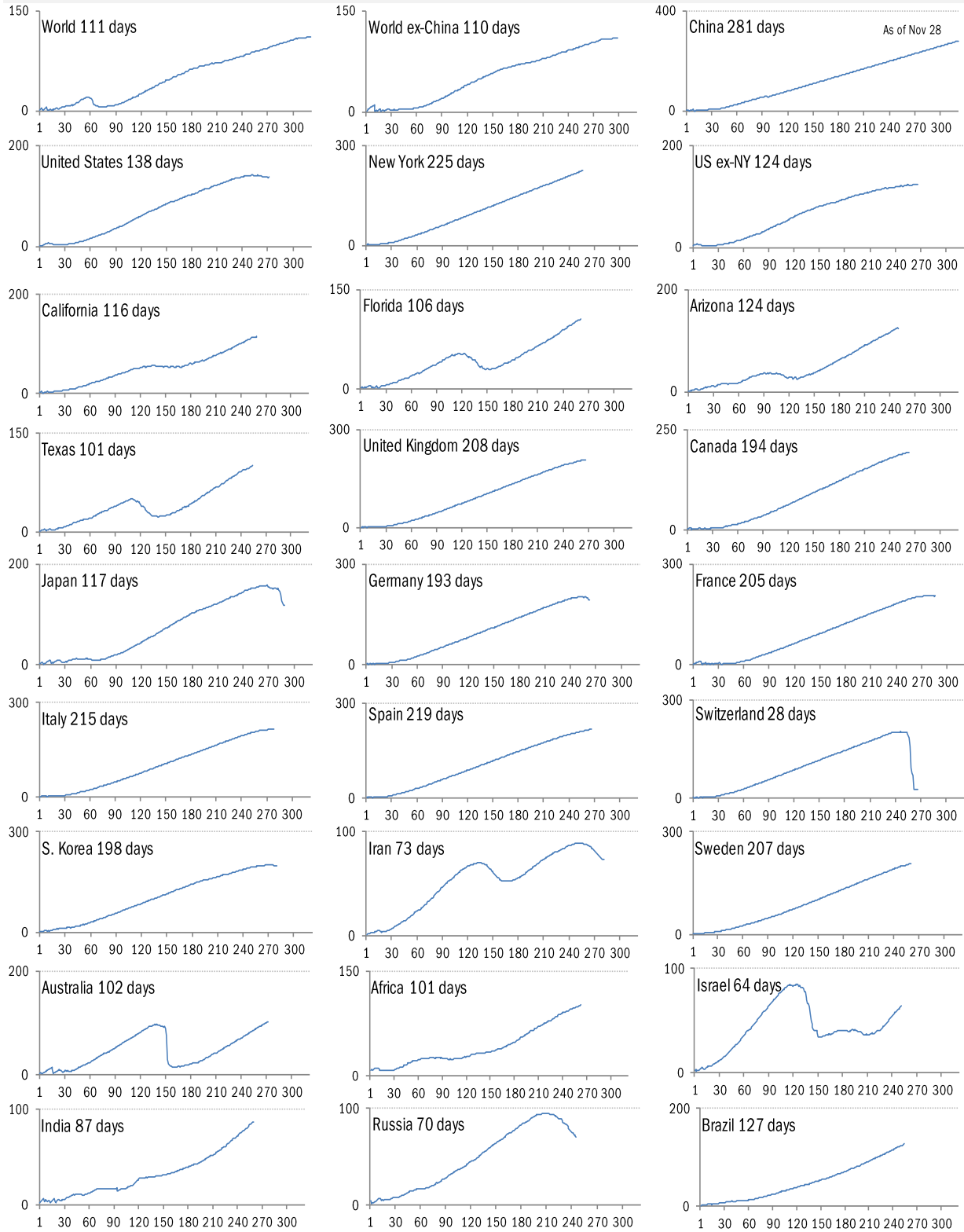


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

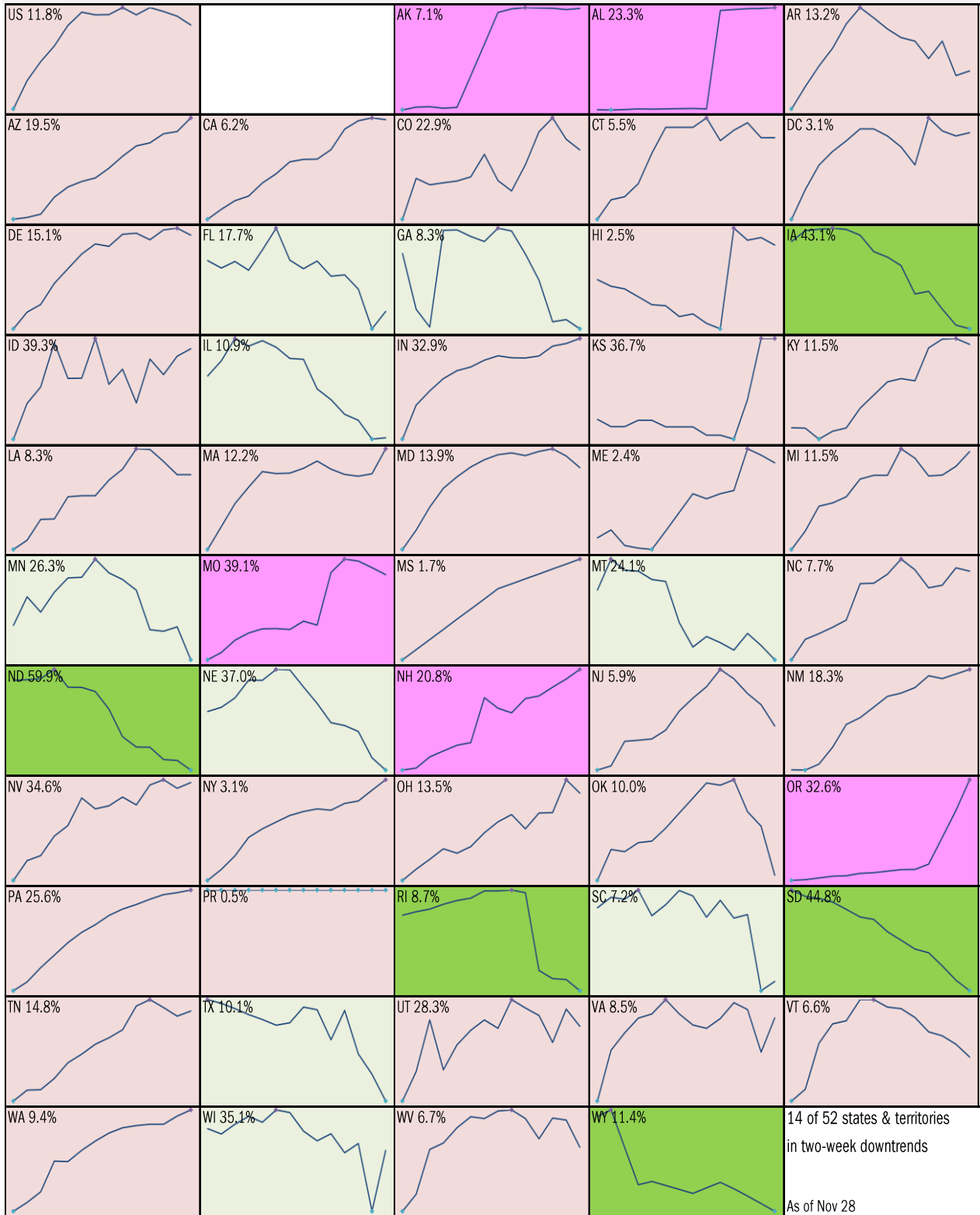


Source: [Johns Hopkins, Covid Tracking Project](#), TrendMacro calculations

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



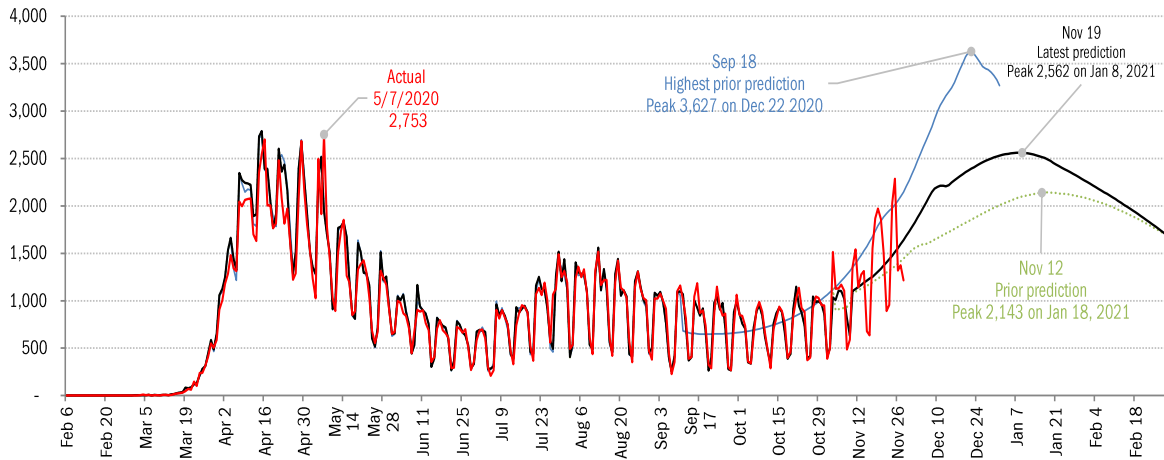
Source: [Covid Tracking Project](#), TrendMacro calculations

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

New daily fatalities

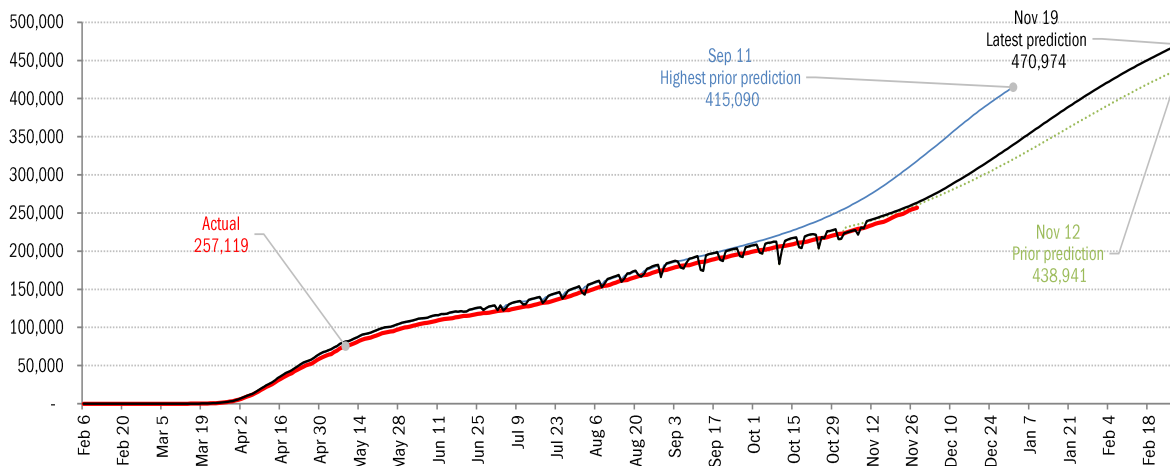
As of Nov 28

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

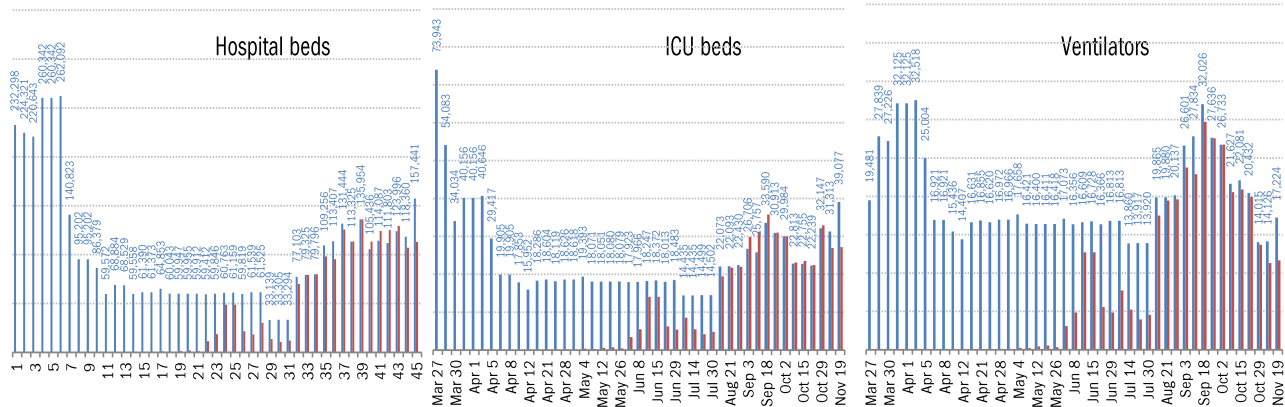


Cumulative fatalities

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

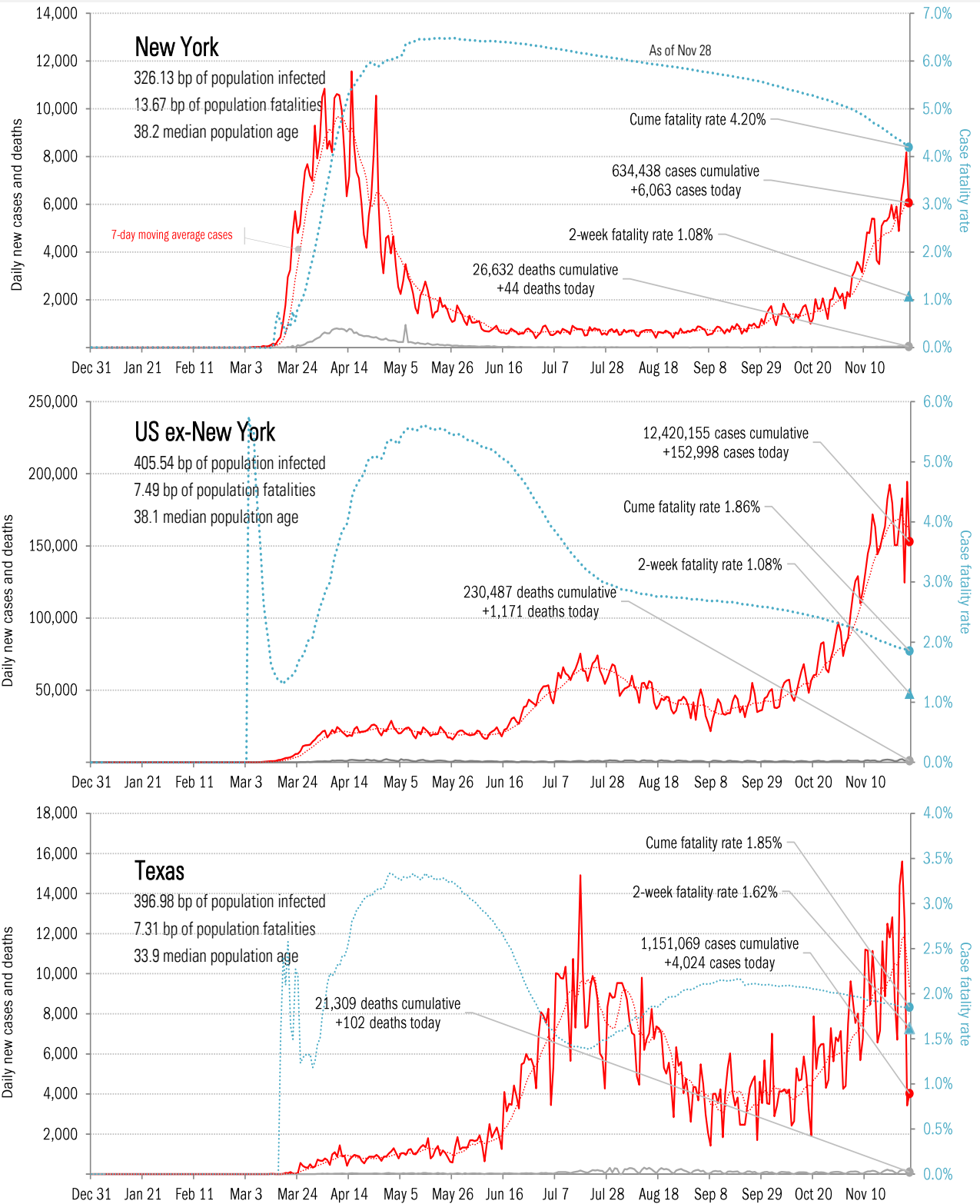


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



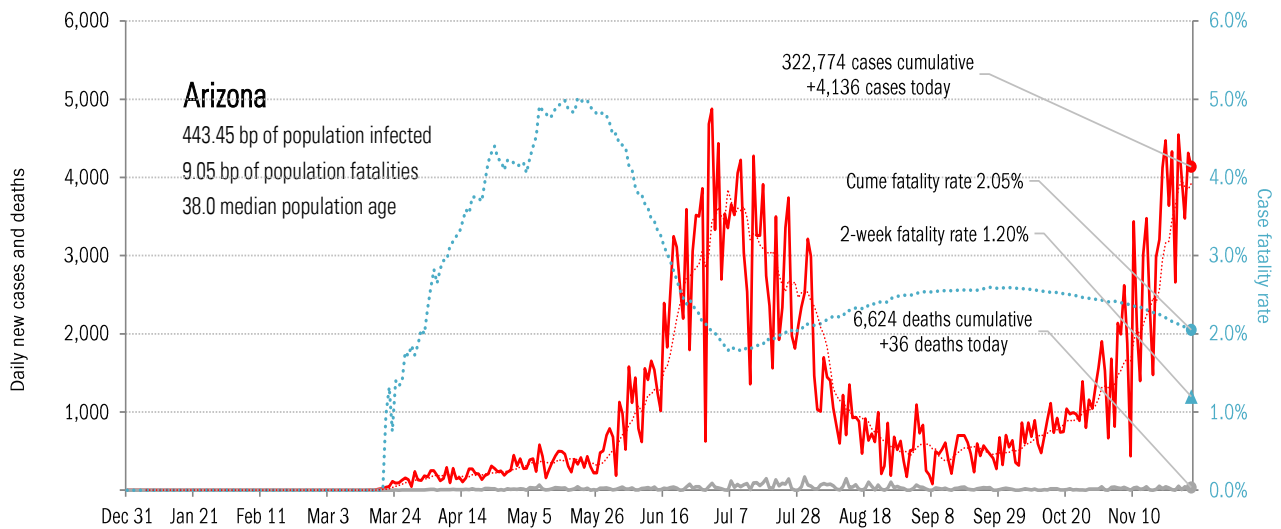
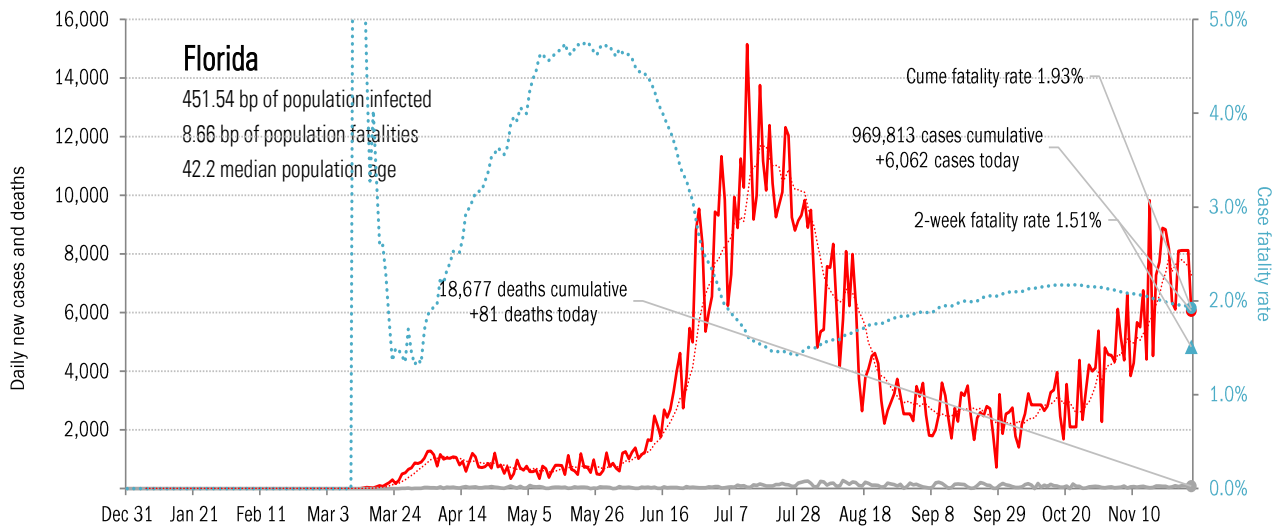
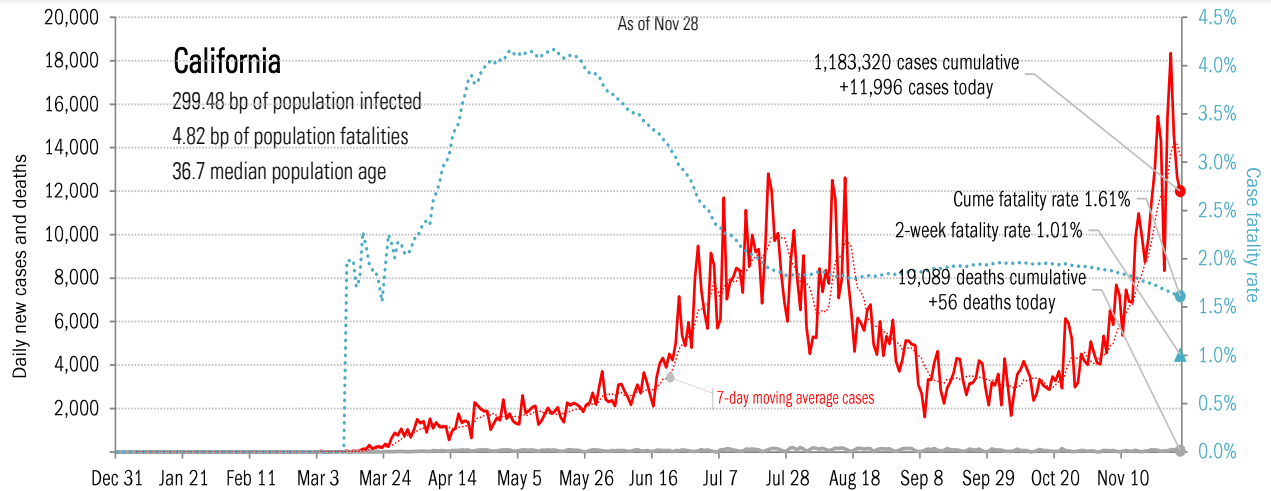
Source: [IHME](#), [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



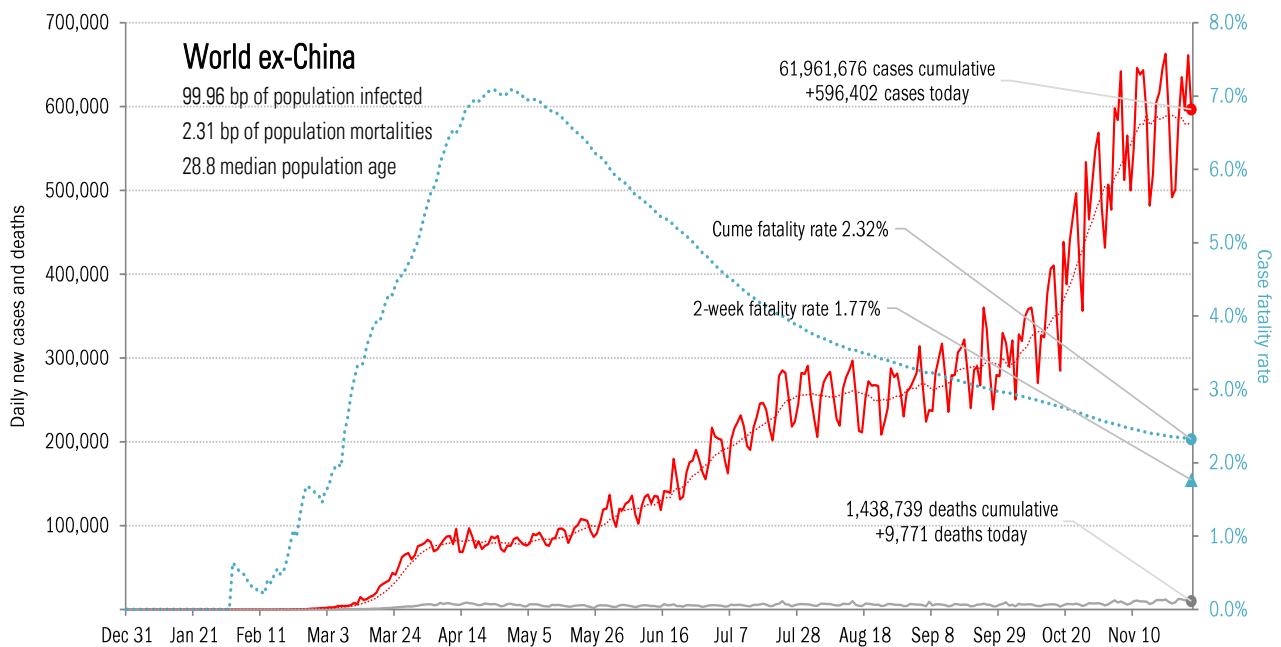
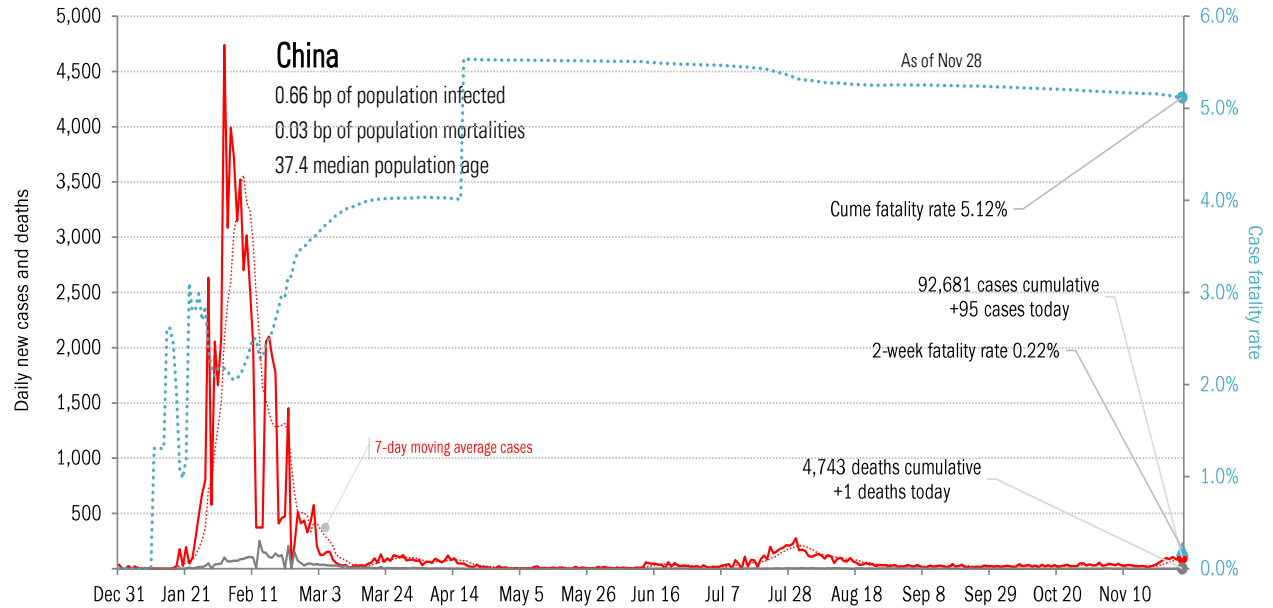
Source: [Covid Tracking Project](#), TrendMacro calculations

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



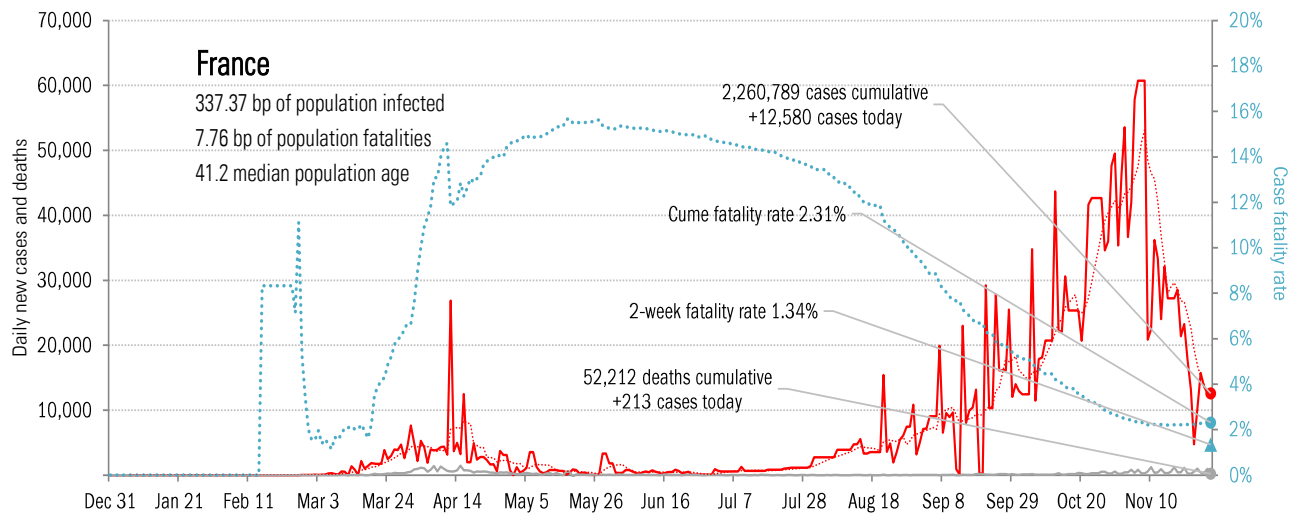
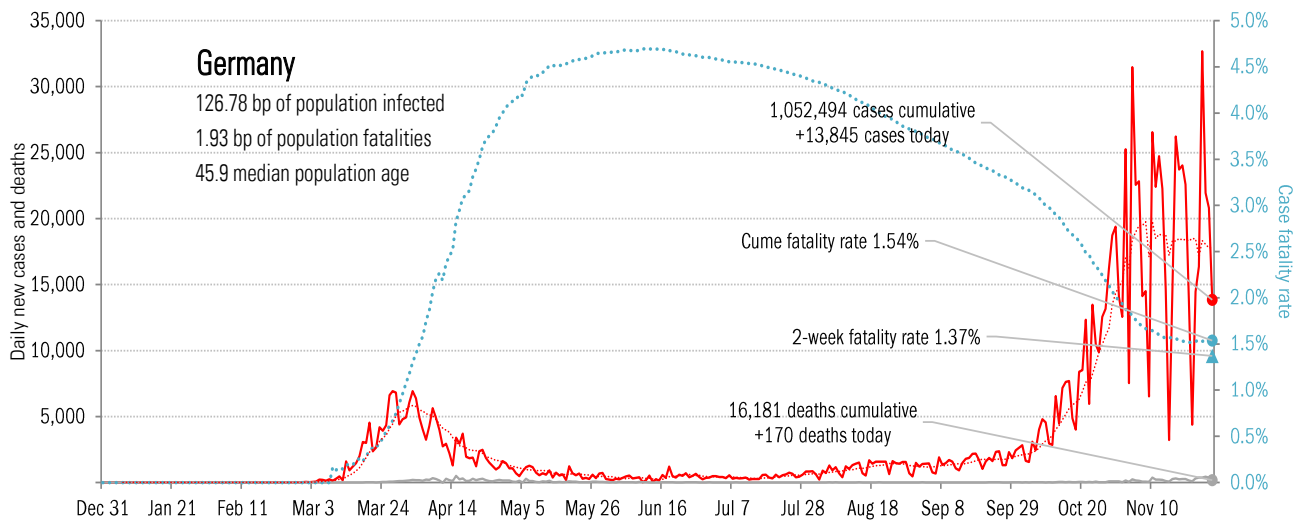
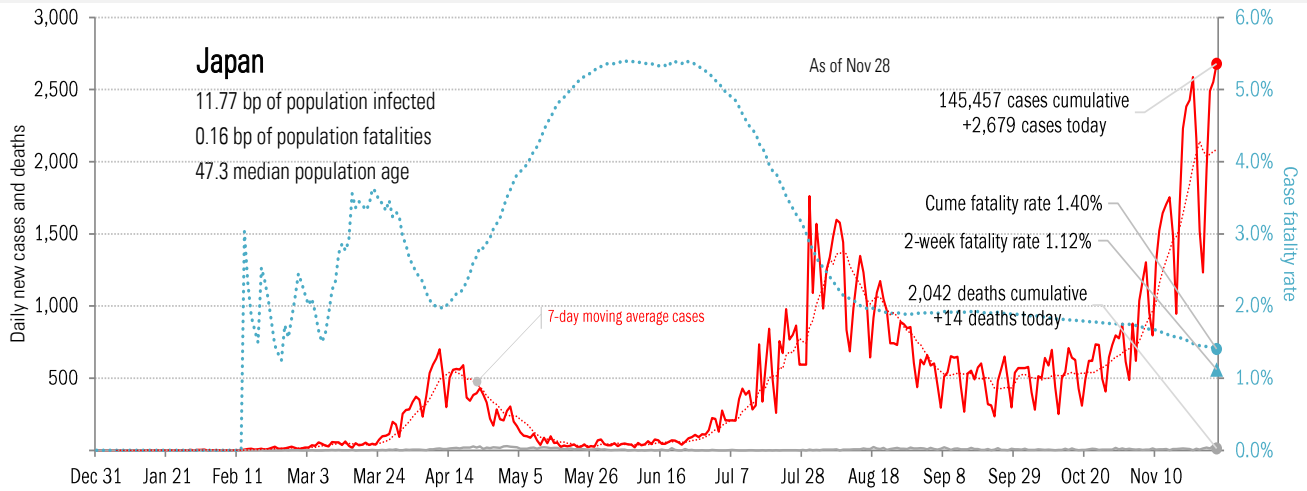
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



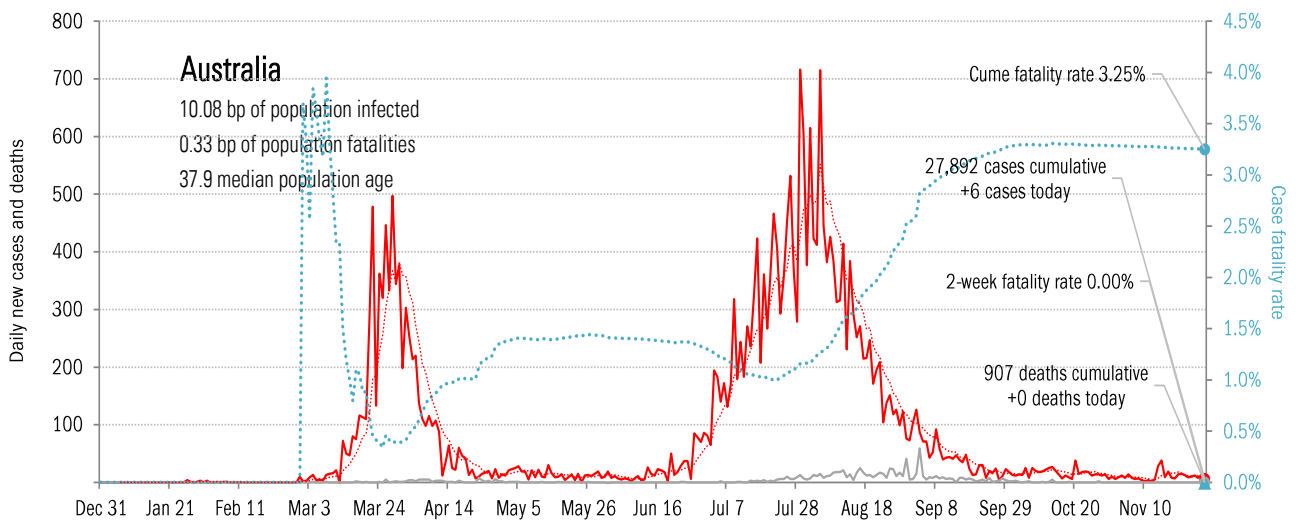
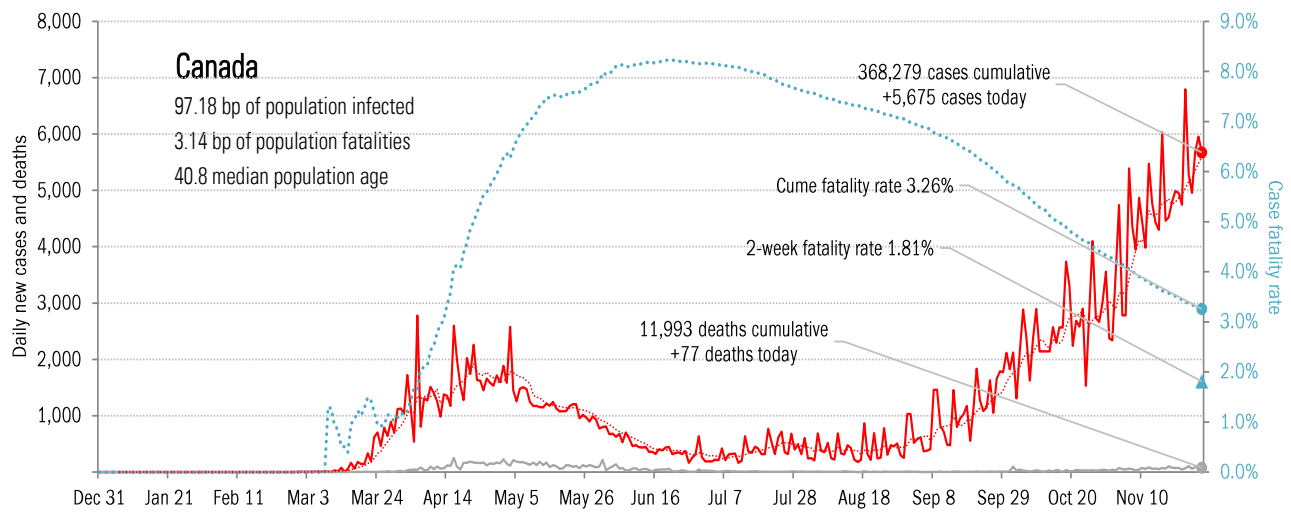
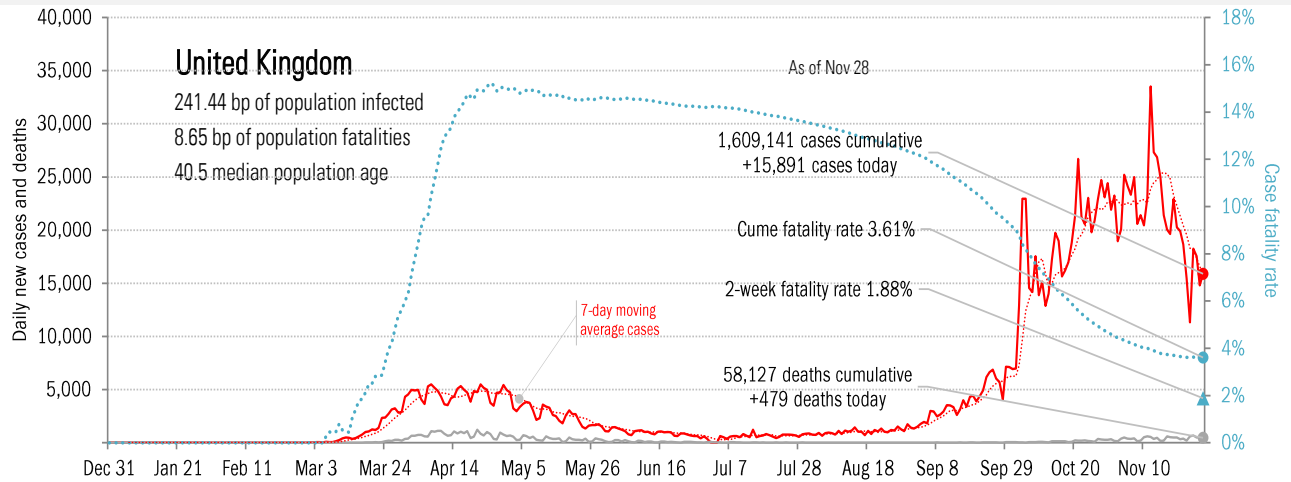
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



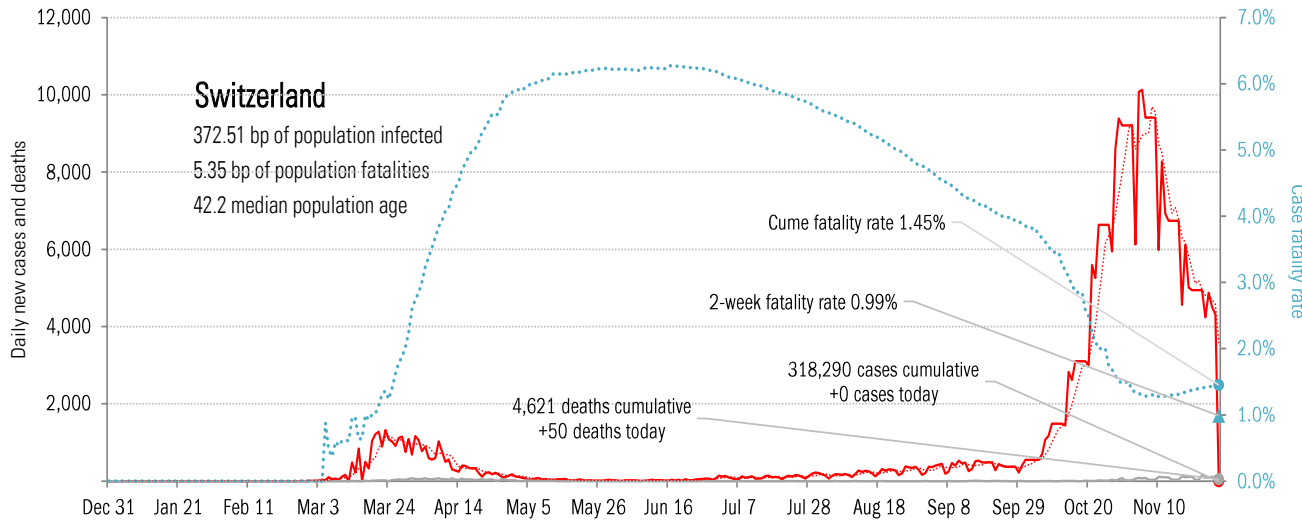
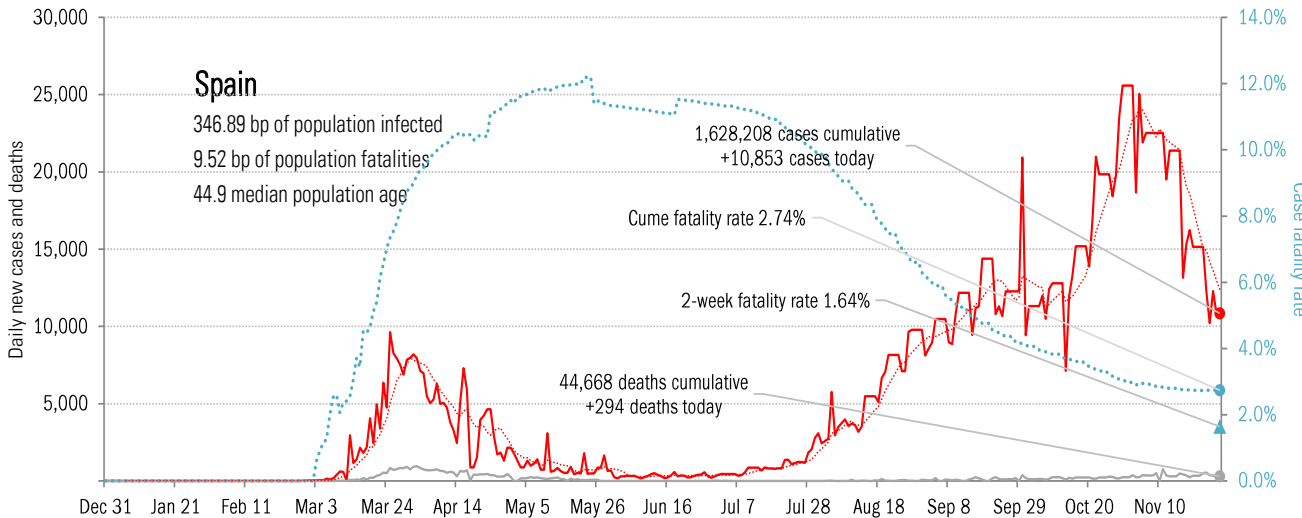
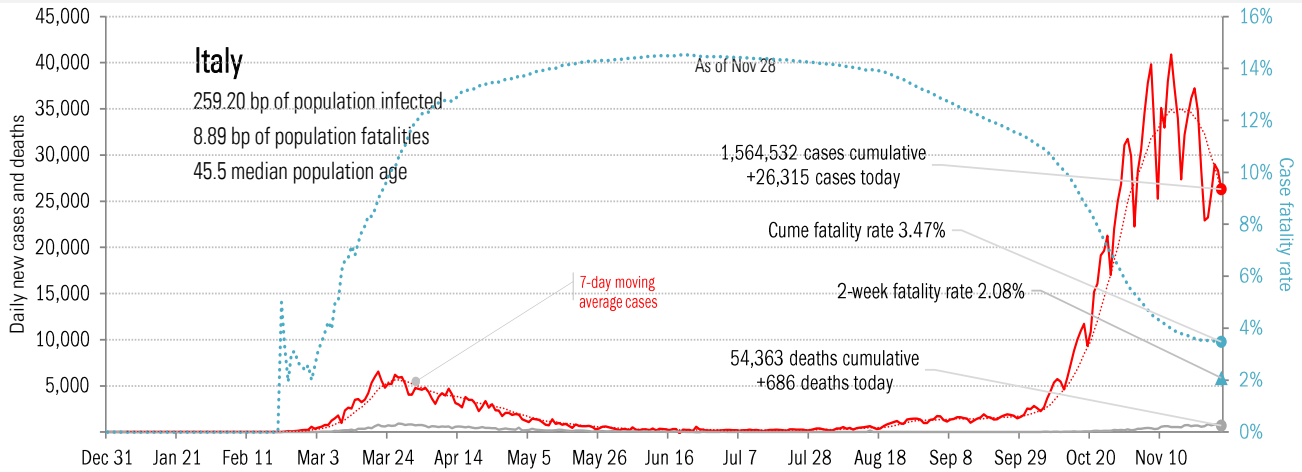
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



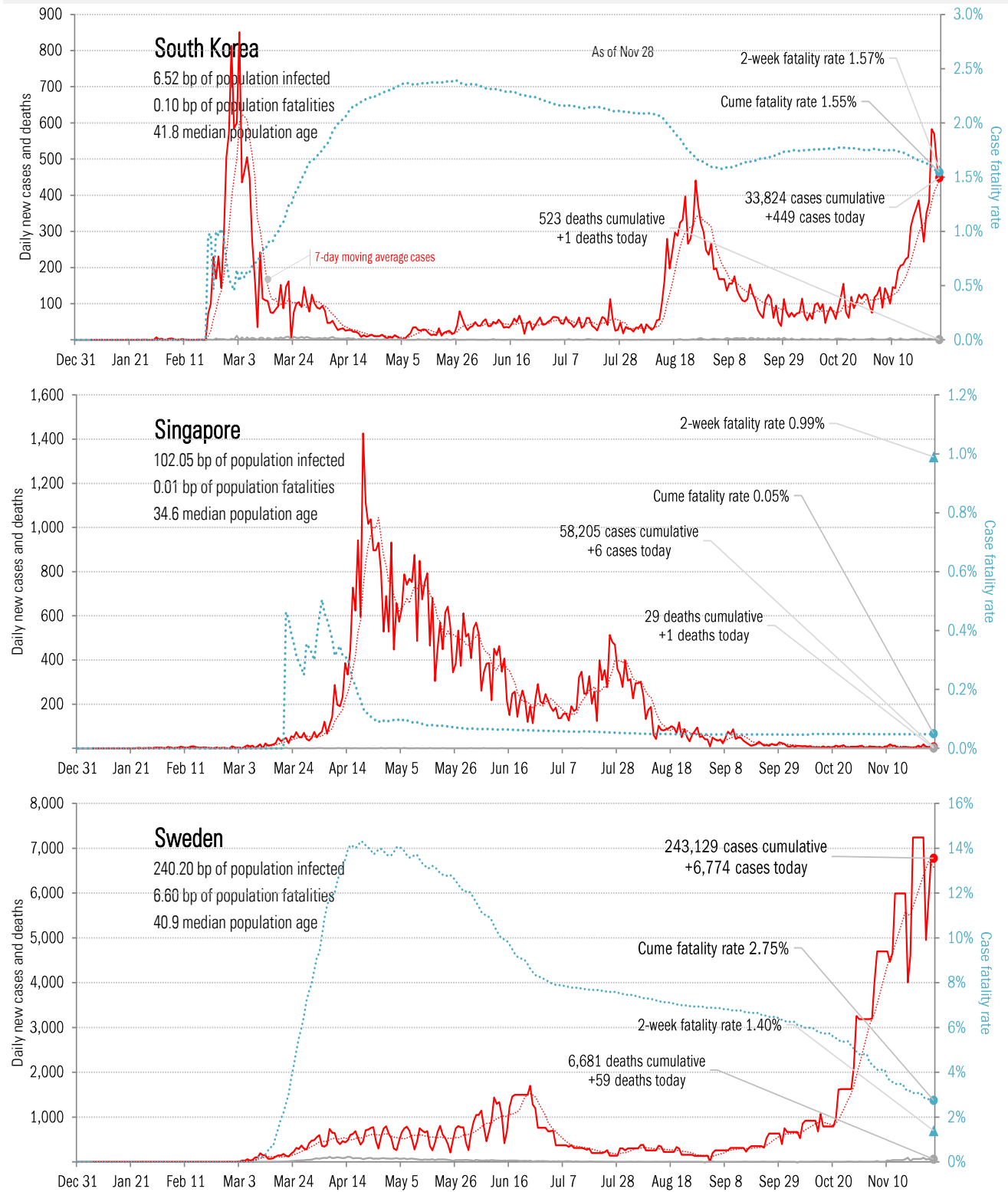
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



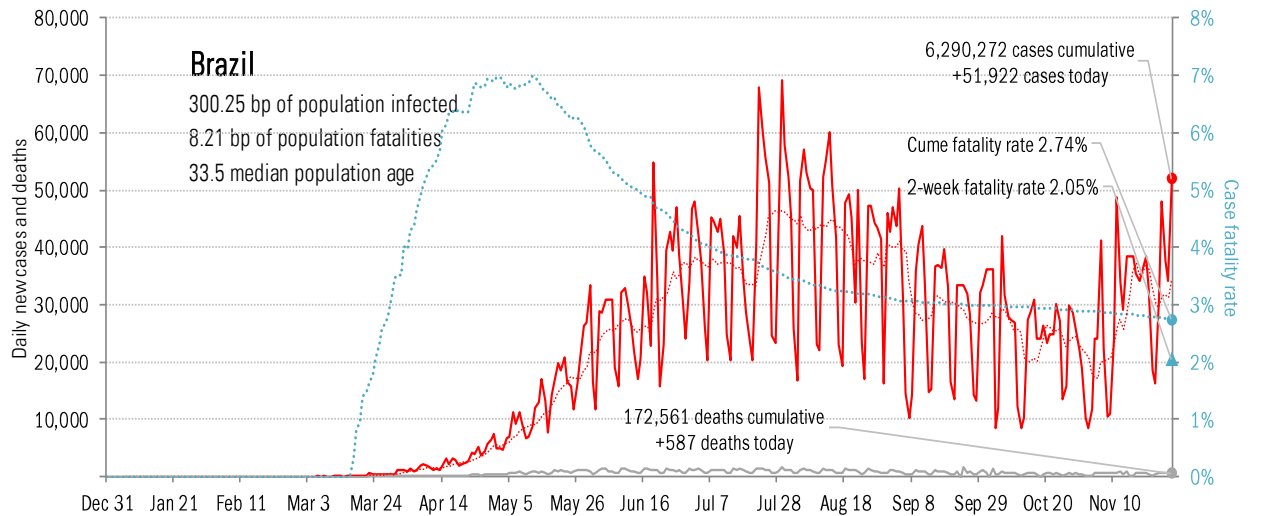
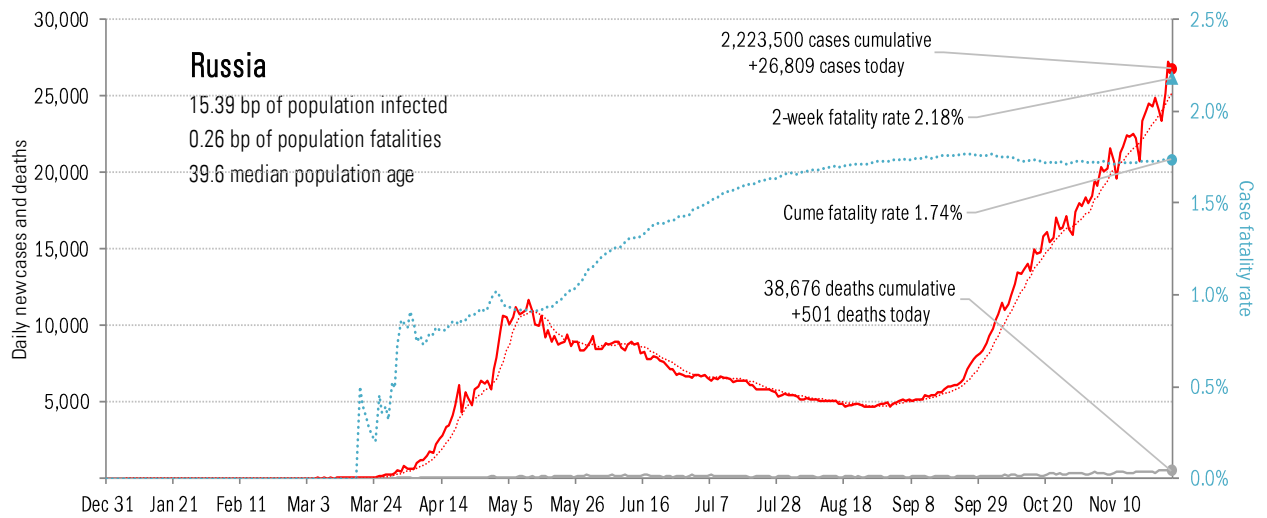
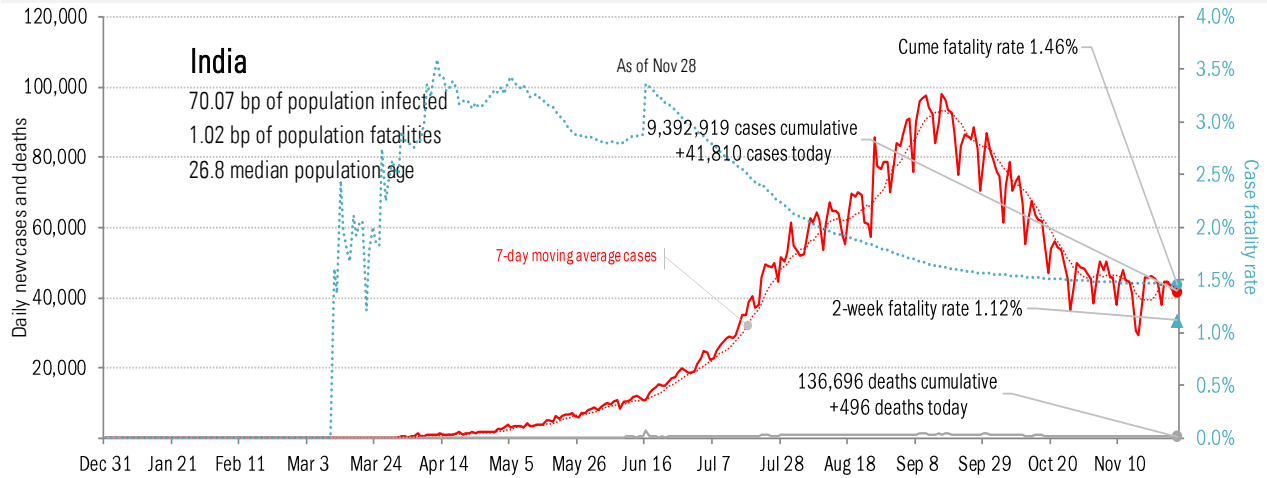
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



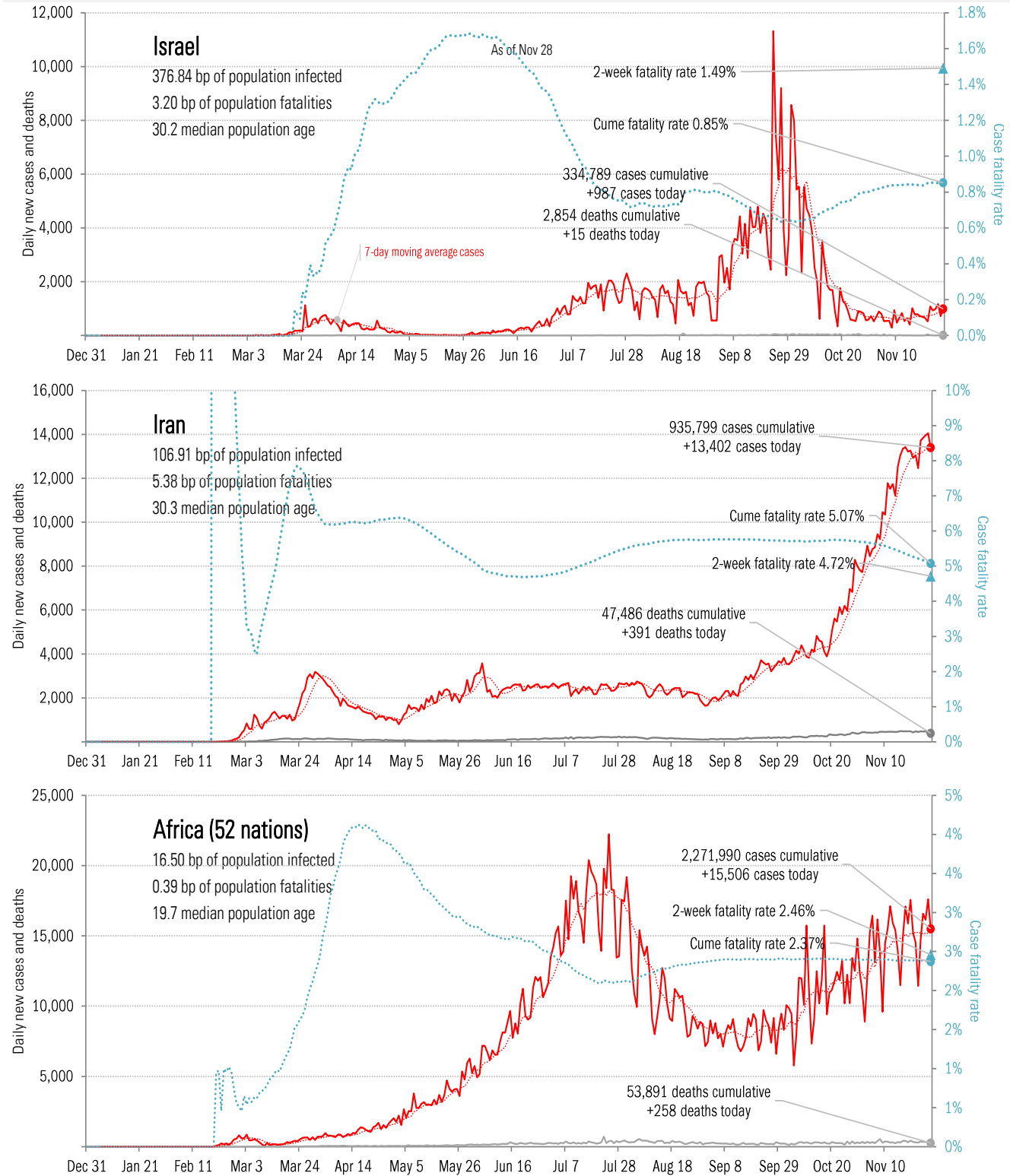
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [Johns Hopkins](#), TrendMacro calculations