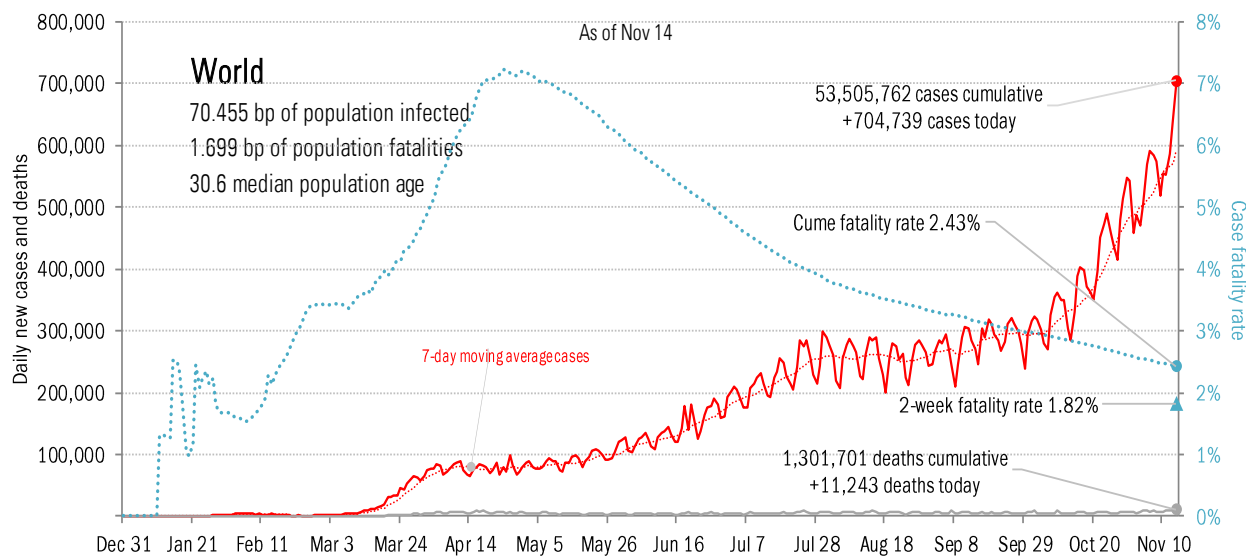
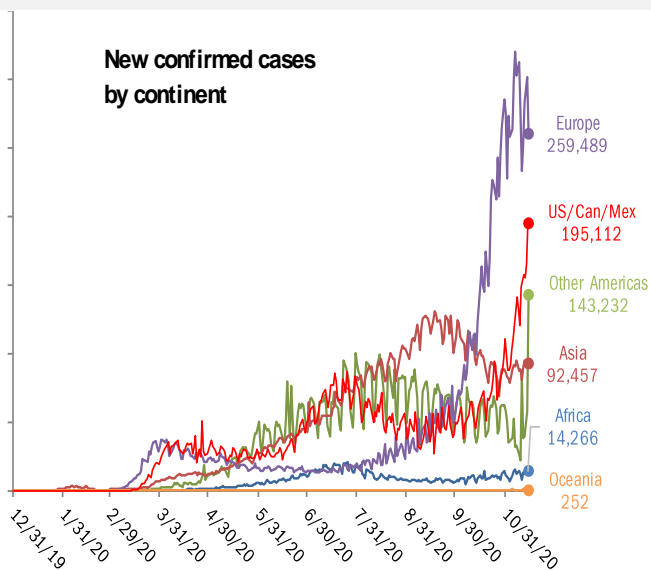


Data Insights: Covid-2019 Monitor

Saturday, November 14, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
US	+184,813	US	+1,915
Brazil	+110,608	Brazil	+1,908
India	+44,684	France	+932
Italy	+40,902	Mexico	+568
UK	+27,301	Italy	+550
Poland	+24,051	India	+520
France	+23,794	Iran	+461
Germany	+22,461	Poland	+419
Russia	+21,983	Russia	+411
Spain	+21,371	UK	+376
+521,968		+8,060	
World +704,739		World +11,243	
Top ten 74%		Top ten 72%	



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

For more information contact us:

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 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

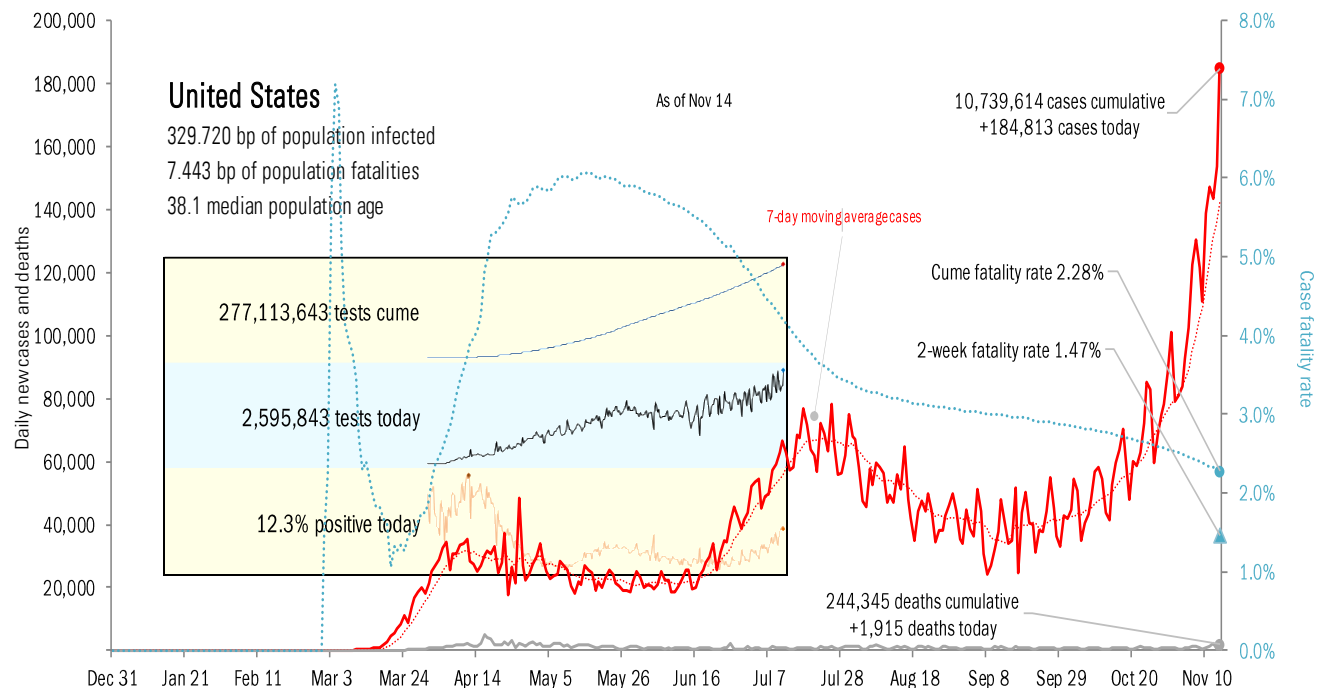
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
IL	+15,415	TX	+173	TX	+158	TX	1,004,983	NY	26,079	NY	89,995
TX	+11,142	MI	+123	NC	+144	CA	998,502	TX	19,320	FL	52,163
MI	+9,179	FL	+74	CA	+136	FL	858,585	CA	18,137	NJ	38,866
WI	+8,451	TN	+64	PA	+118	IL	551,957	FL	17,659	GA	33,089
CH	+8,071	WI	+62	IL	+104	NY	551,163	NJ	16,522	VA	23,391
CA	+6,893	IN	+50	MN	+95	GA	382,505	IL	10,891	AZ	22,820
FL	+6,760	MN	+46	NJ	+82	WI	318,023	MA	10,265	AL	22,275
KS	+6,282	IL	+45	MO	+80	NC	305,233	PA	9,224	CH	21,856
IN	+5,600	CH	+42	FL	+67	TN	300,458	GA	8,905	IN	20,088
MN	+5,544	KS	+41	NY	+60	CH	282,528	MI	8,308	MD	18,281
+83,337		+720		+1,044		5,553,937		145,310		342,824	
All states	+170,333	All states	+1,301	All states	+1,420	All states	10,588,169	All states	235,629	All states	511,397
Top ten	49%	Top ten	55%	Top ten	74%	Top ten	52%	Top ten	62%	Top ten	67%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
UT	-1,769	GA	-51	CH	-187	TX	+11,698
MN	-1,681	PA	-19	IL	-112	WI	+5,532
NC	-1,114	ND	-17	MI	-84	TN	+2,932
IN	-991	LA	-15	AL	-79	CH	+2,828
PR	-665	AR	-14	KY	-75	IN	+2,531



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

Recommended reading

[Tesla's Musk Says He May Have Covid-19, Calls Tests 'Extremely Bogus'](#)

Stefan Nicola and Tim Loh
Bloomberg
November 13, 2020

[Fauci: U.S. Has 'Independent Spirit' But It's 'Time To Do What You're Told' To Stop Pandemic](#)

Ryan Saavedra
Daily Wire
November 13, 2020

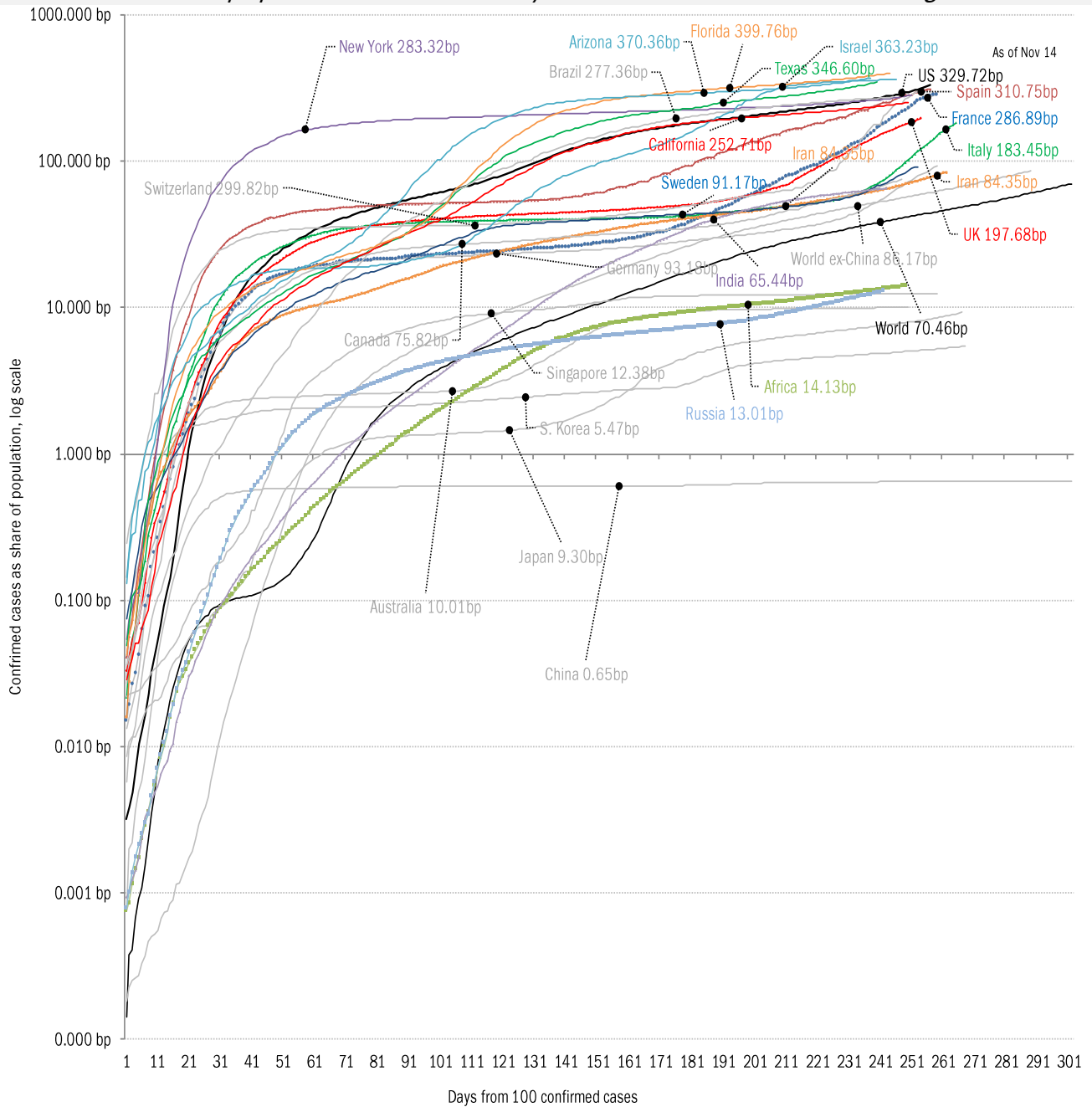
Meme of day



Cuomo Develops Vaccine That Makes People Immune To Trump's Vaccine

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

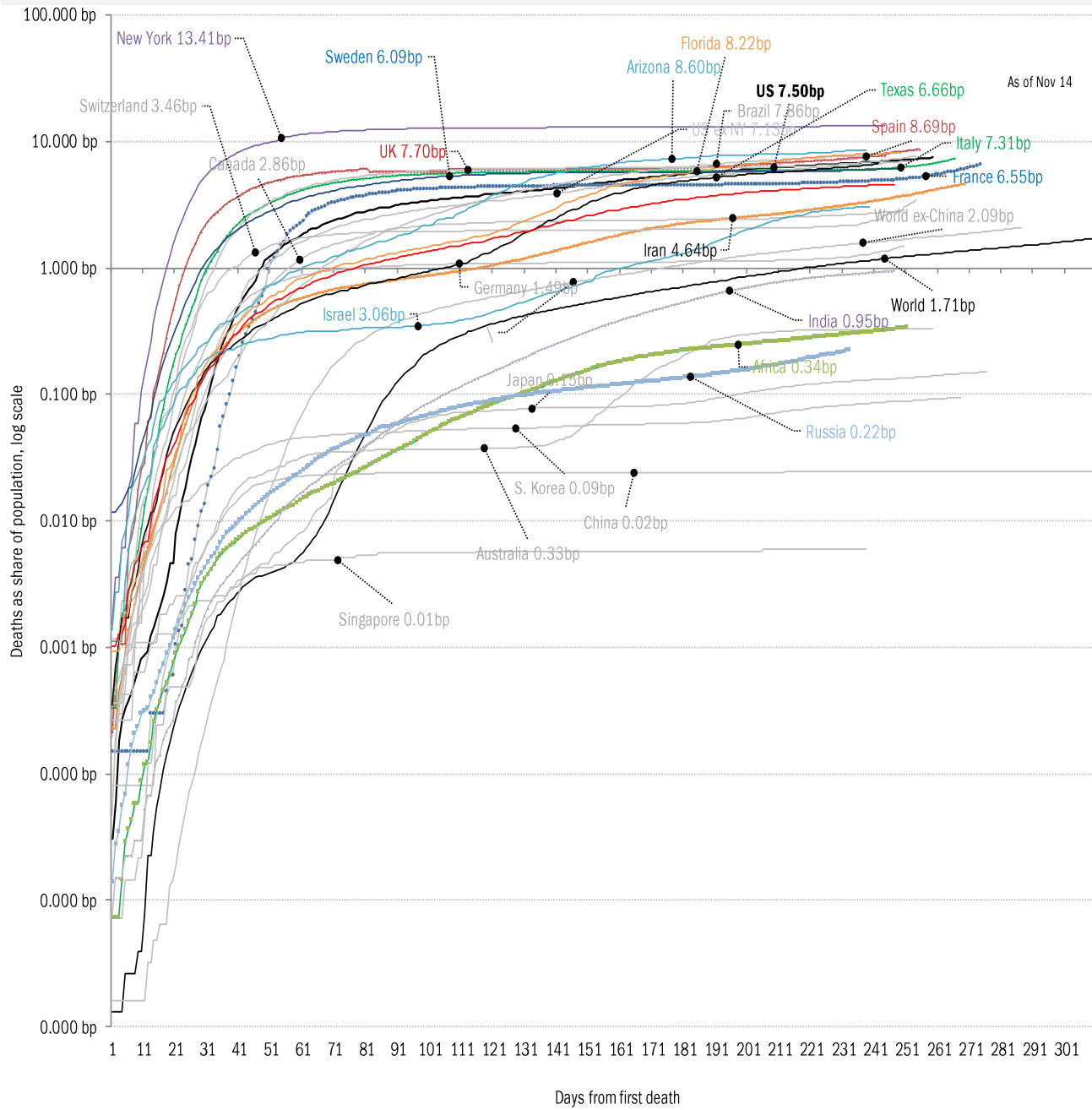
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

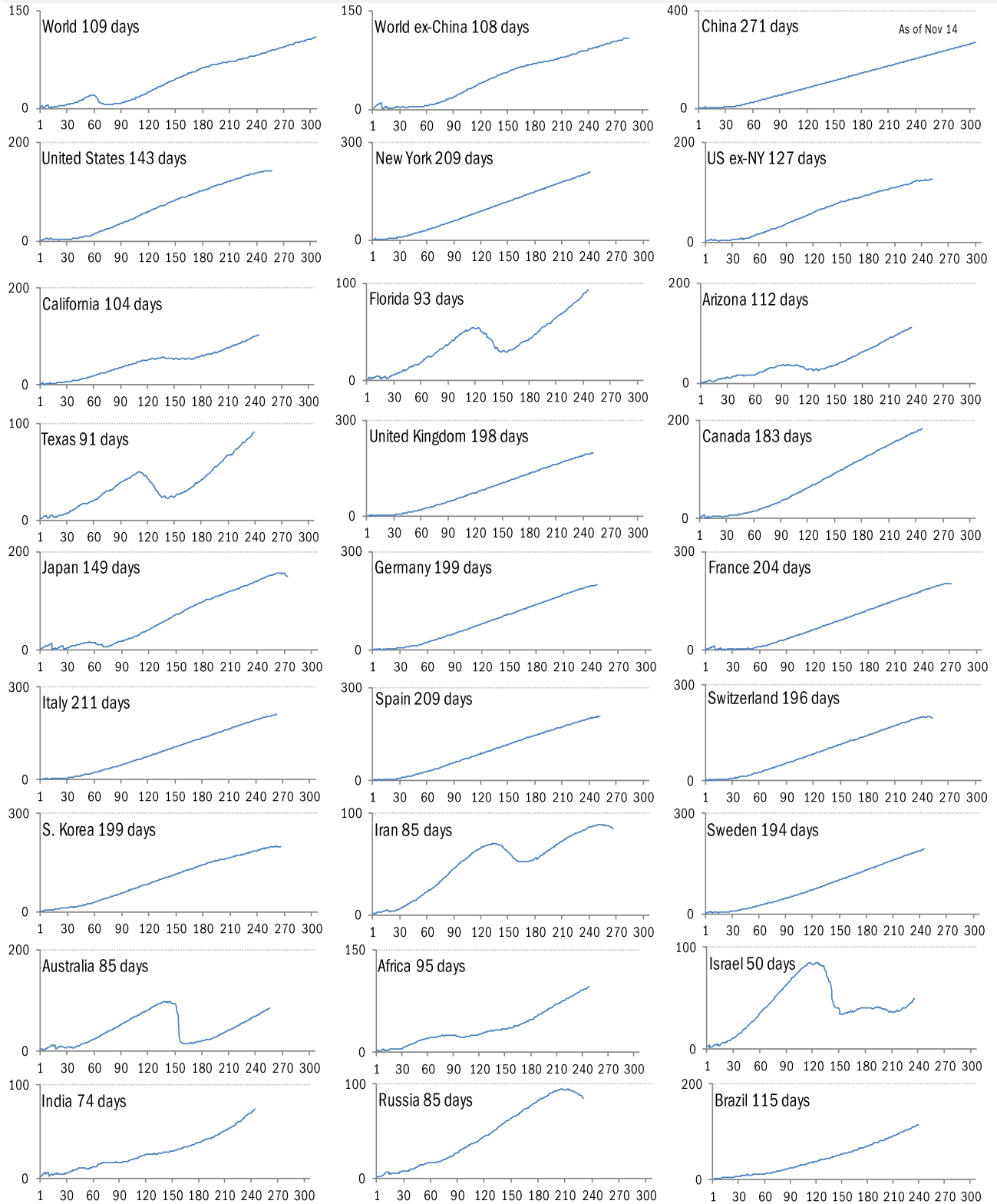


Source: [ECDC](#), TrendMacro calculations

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

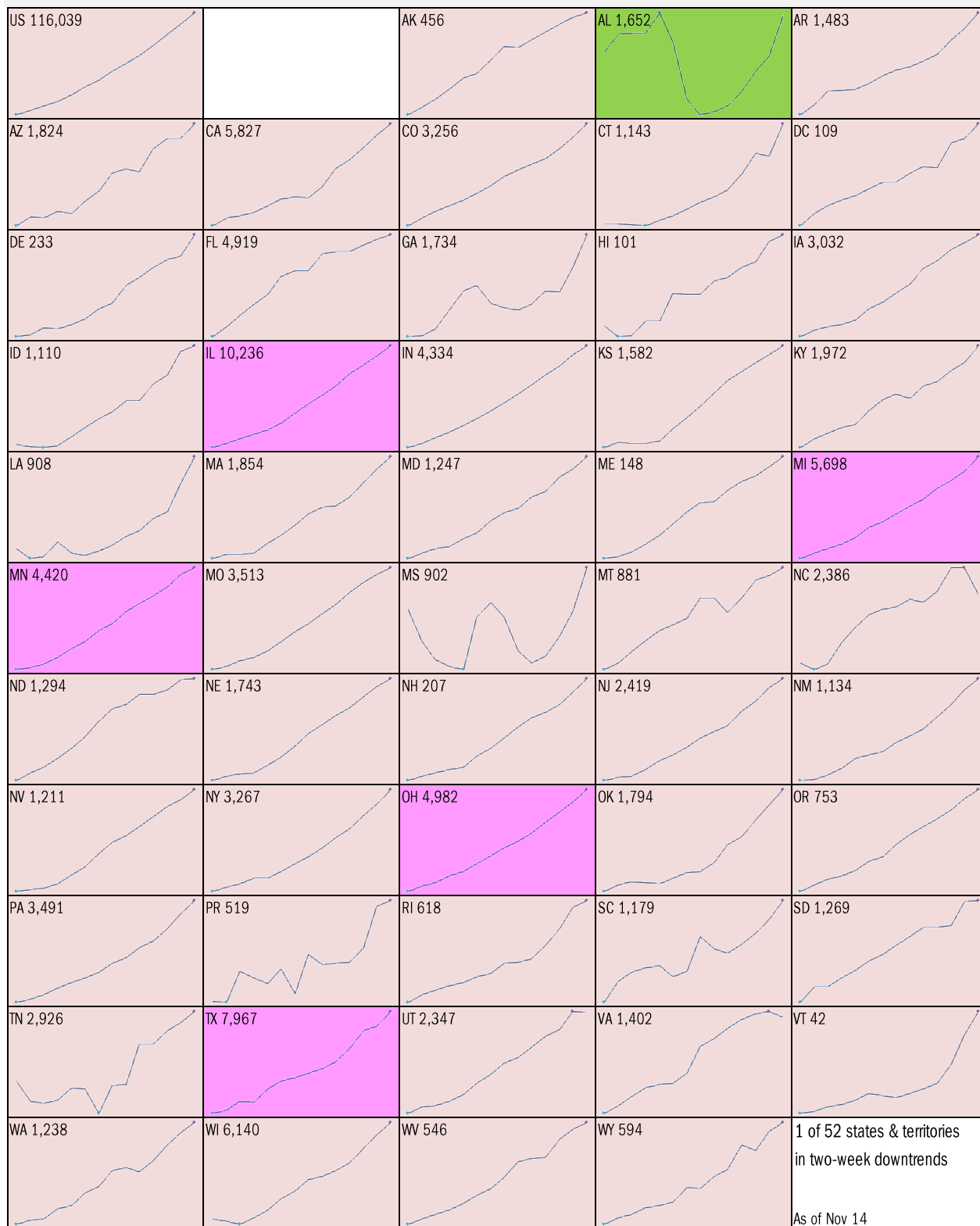
Vertical: days to double deaths Horizontal: days from first death

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



Source: [ECDC](https://www.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

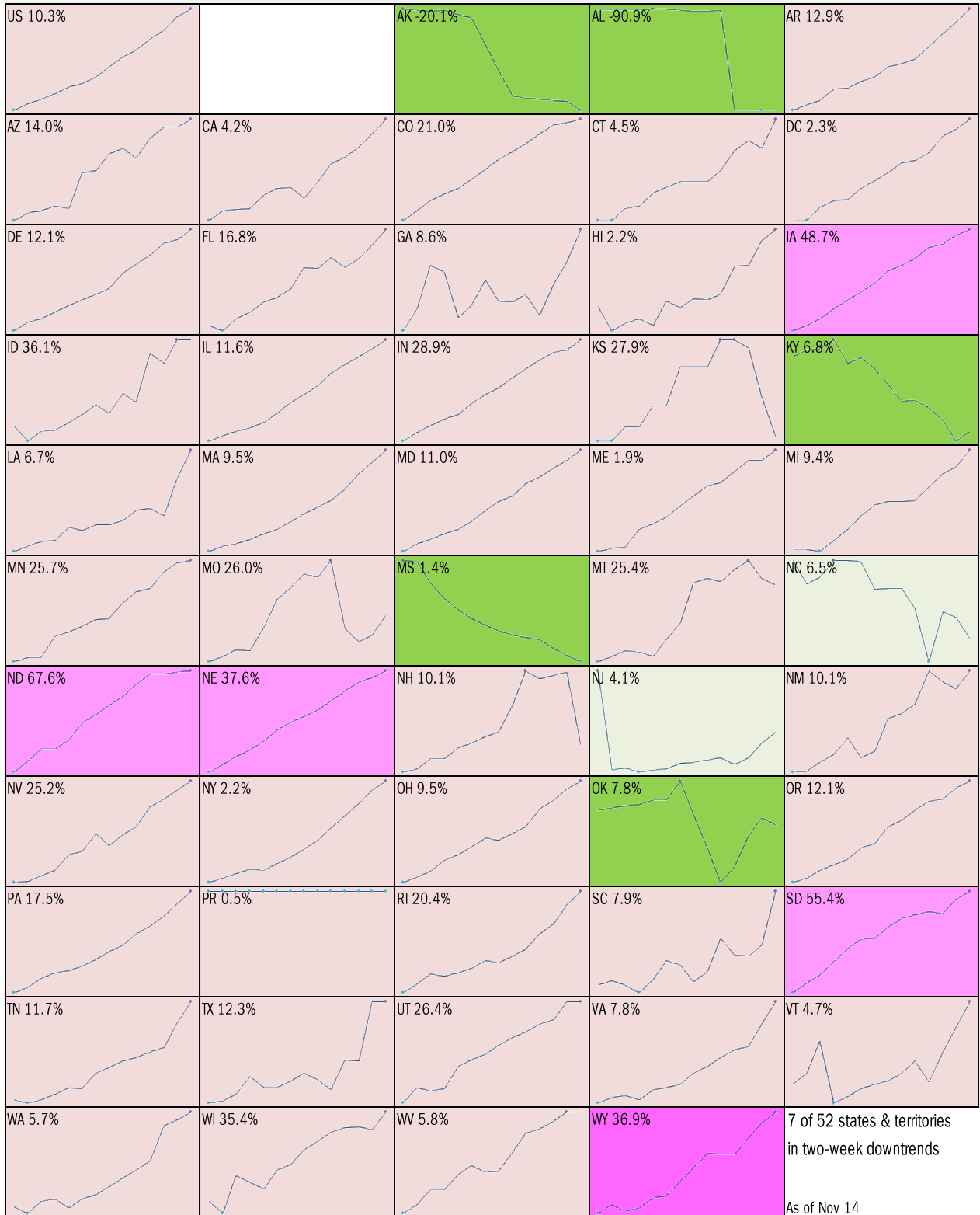


Source: [Covid Tracking Project](#), TrendMacro calculations

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



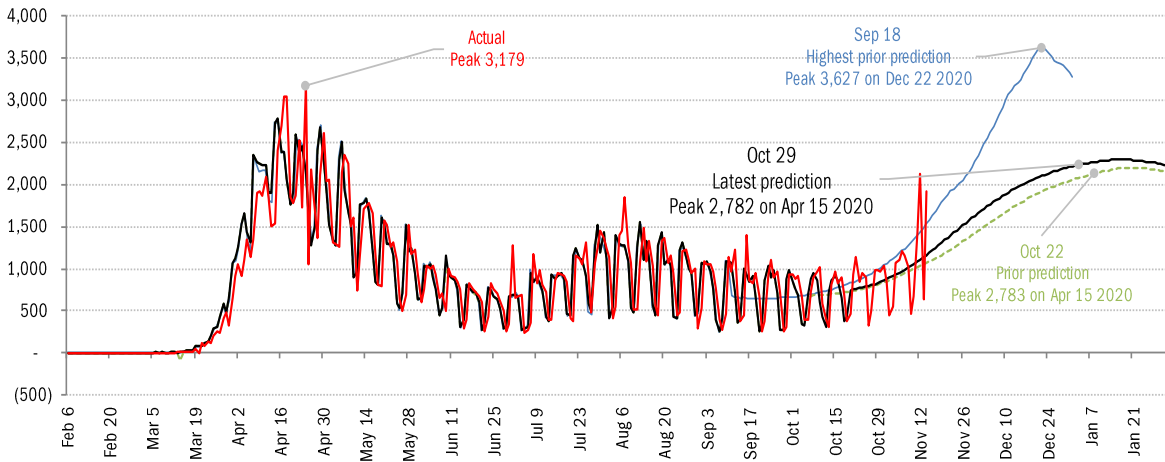
Source: [Covid Tracking Project](#), TrendMacro calculations

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

New daily fatalities

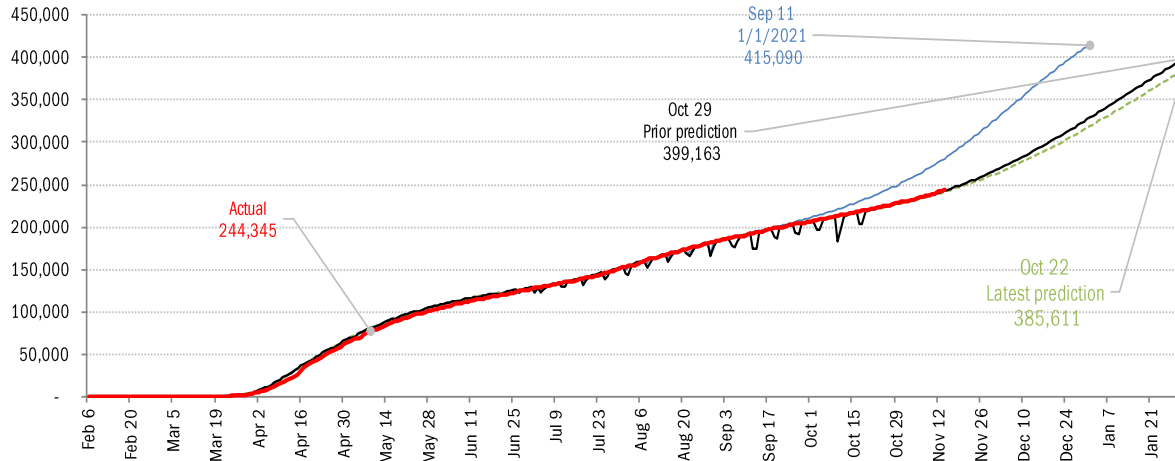
As of Nov 14

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

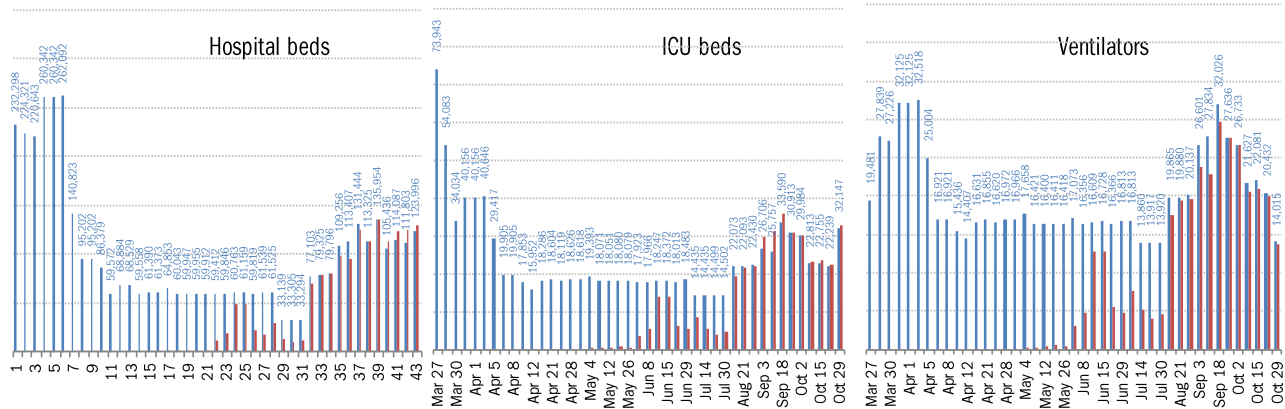


Cumulative fatalities

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

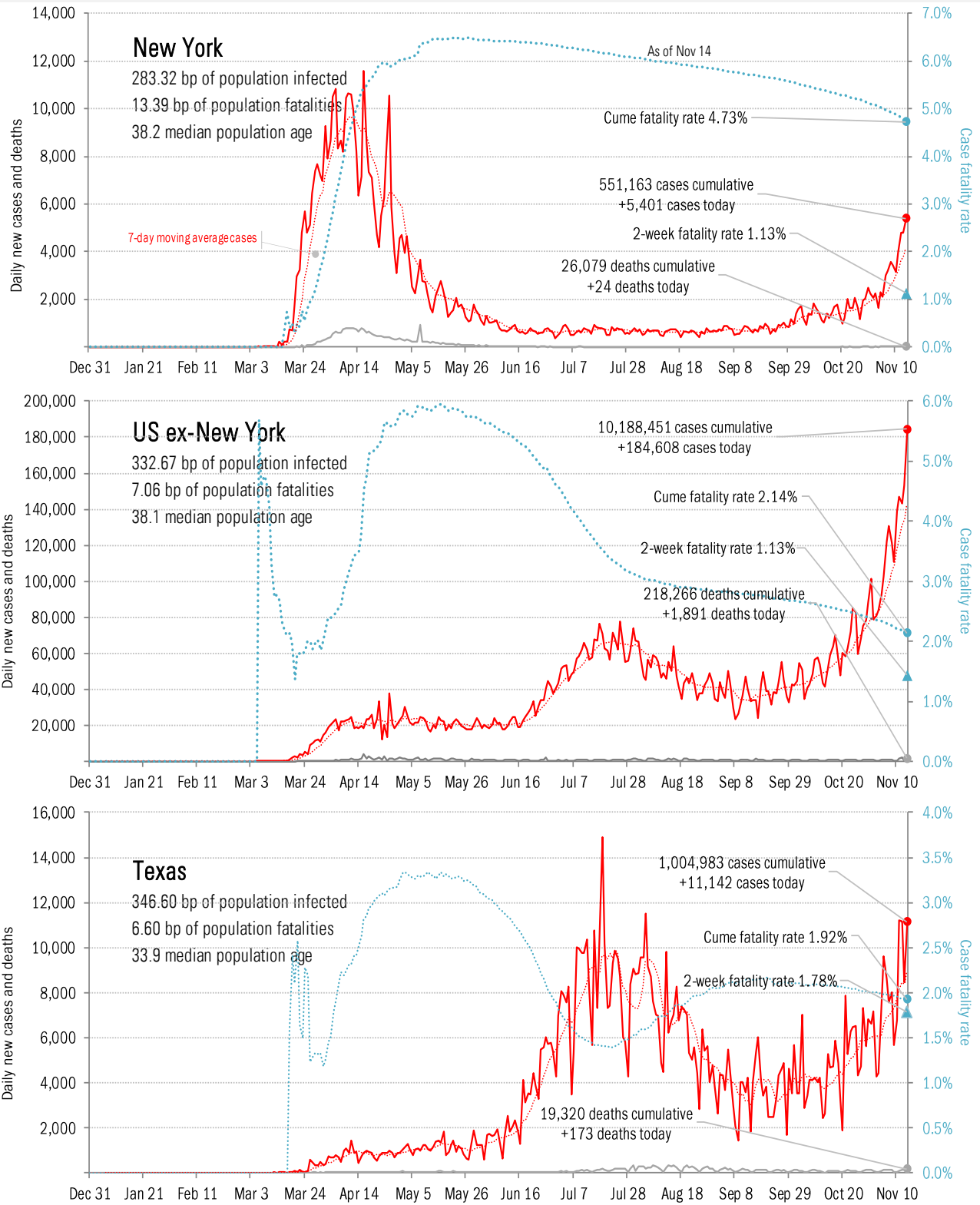


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



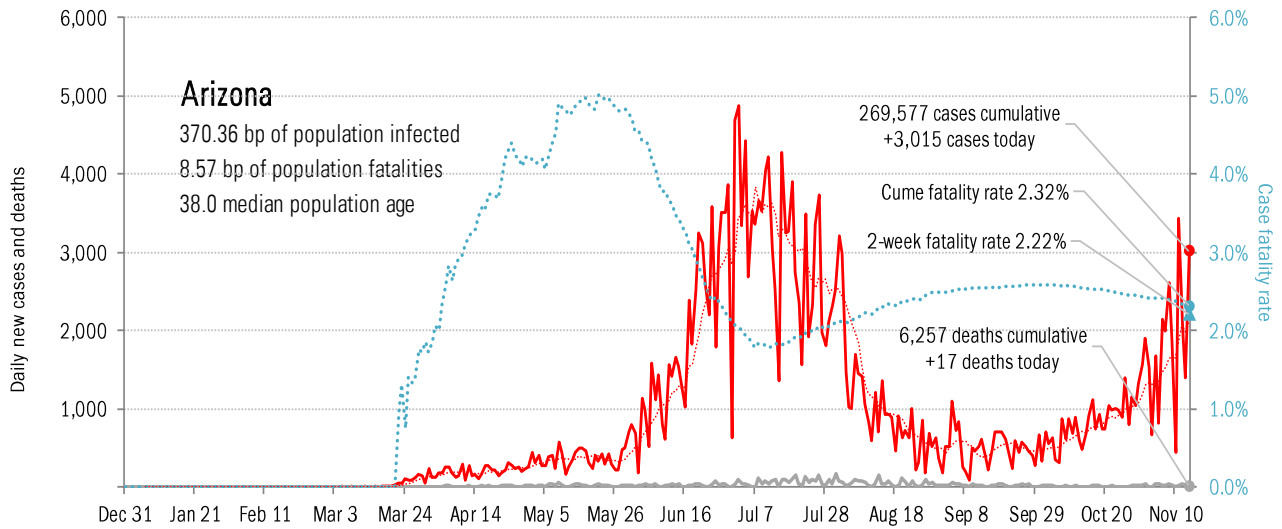
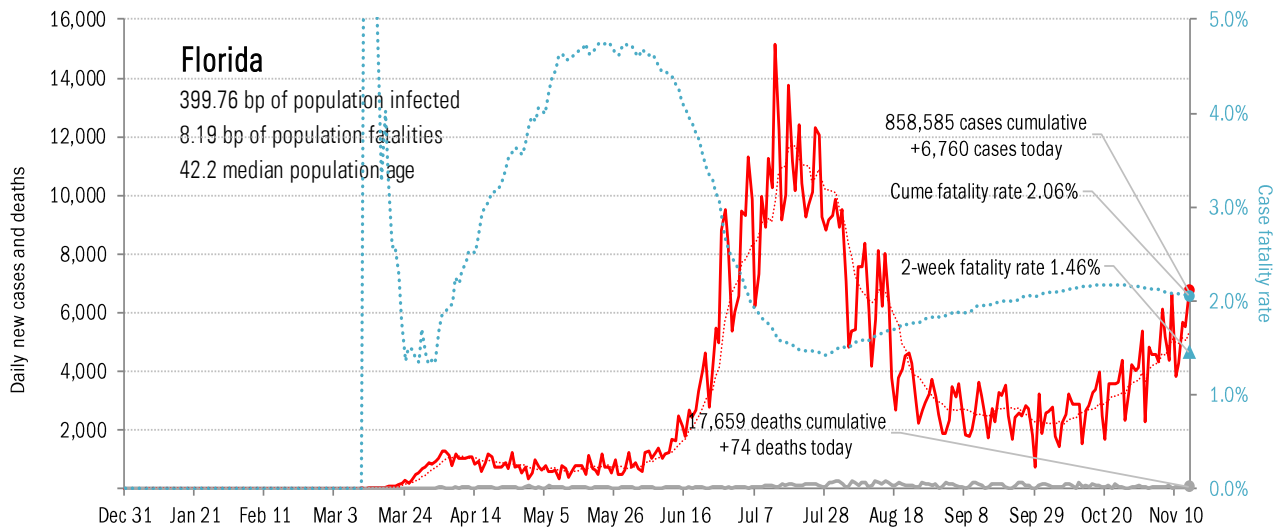
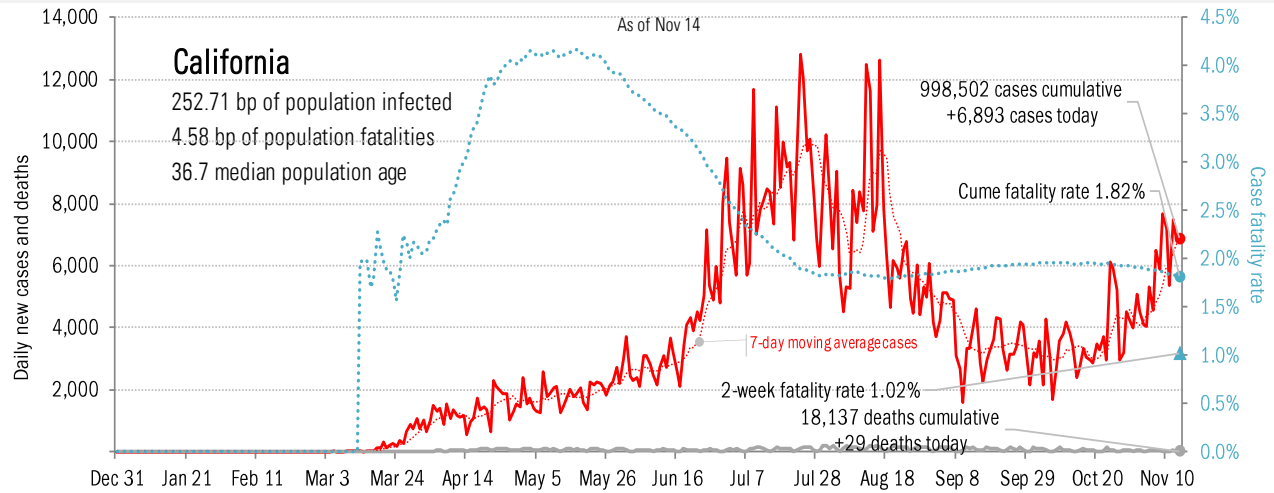
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



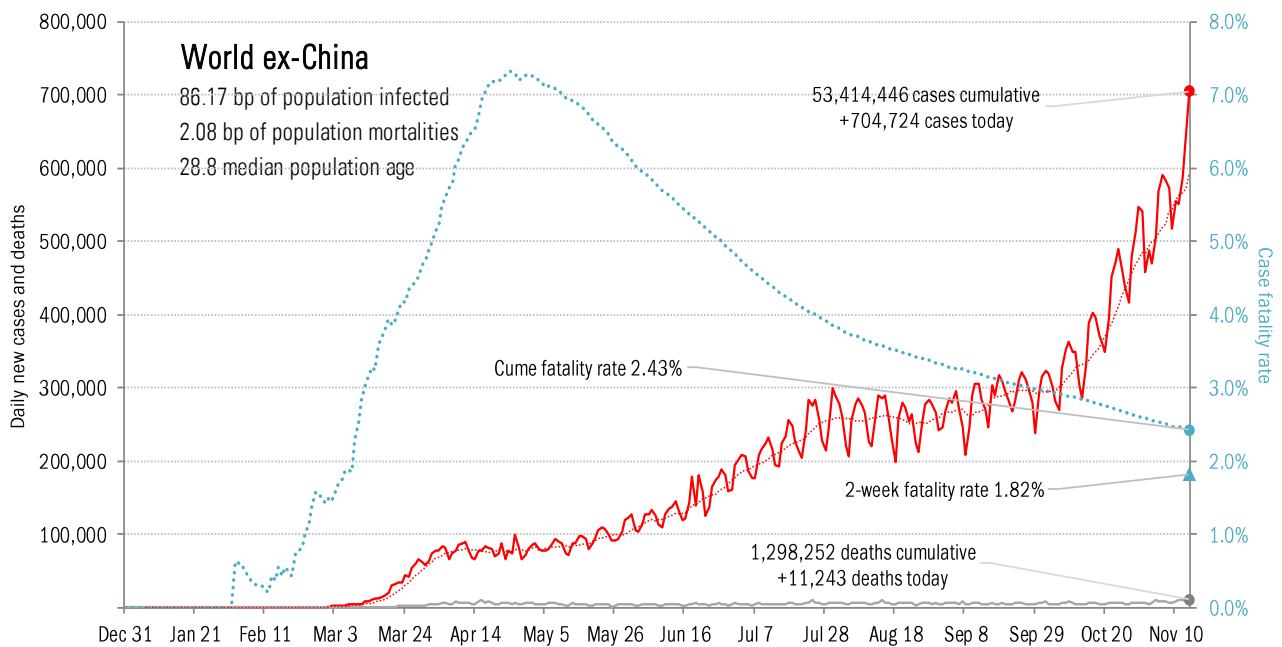
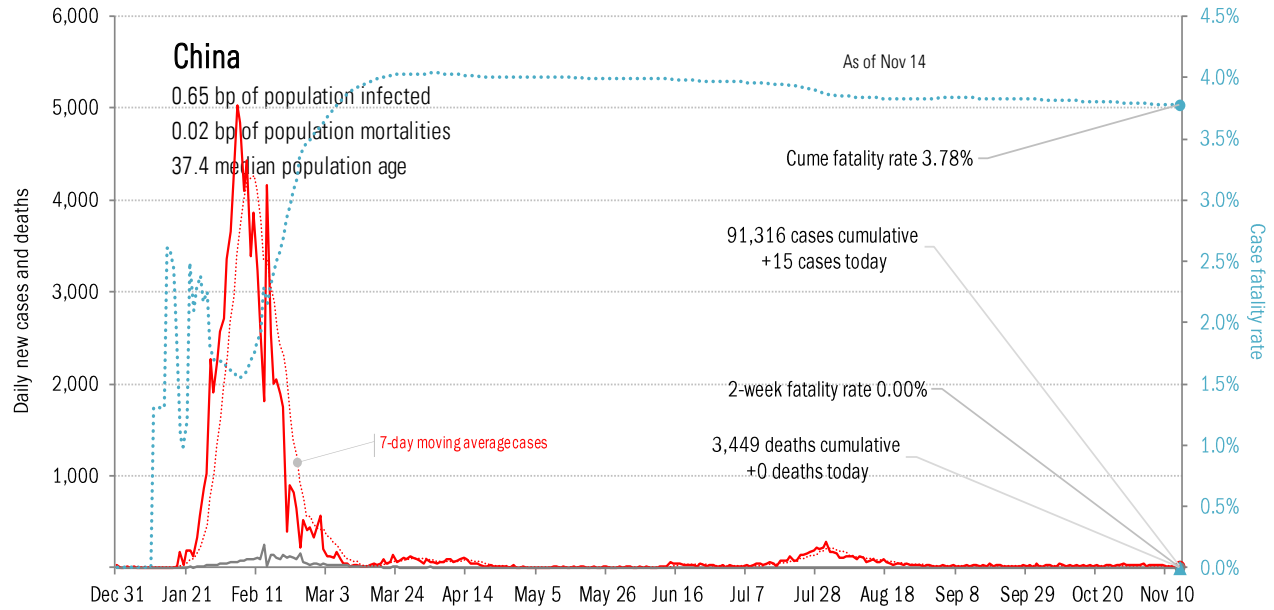
Source: [ECDC](#), TrendMacro calculations

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



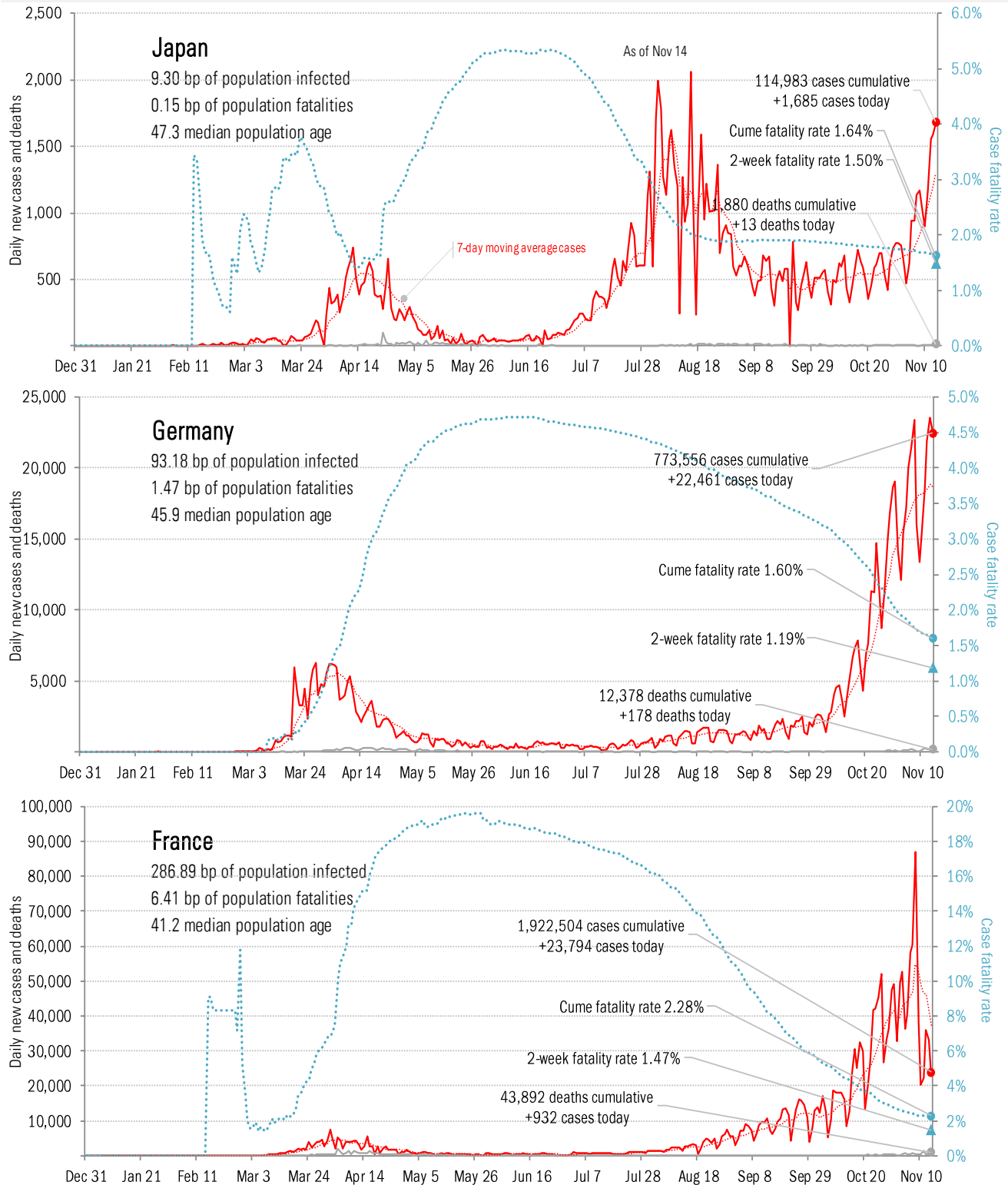
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



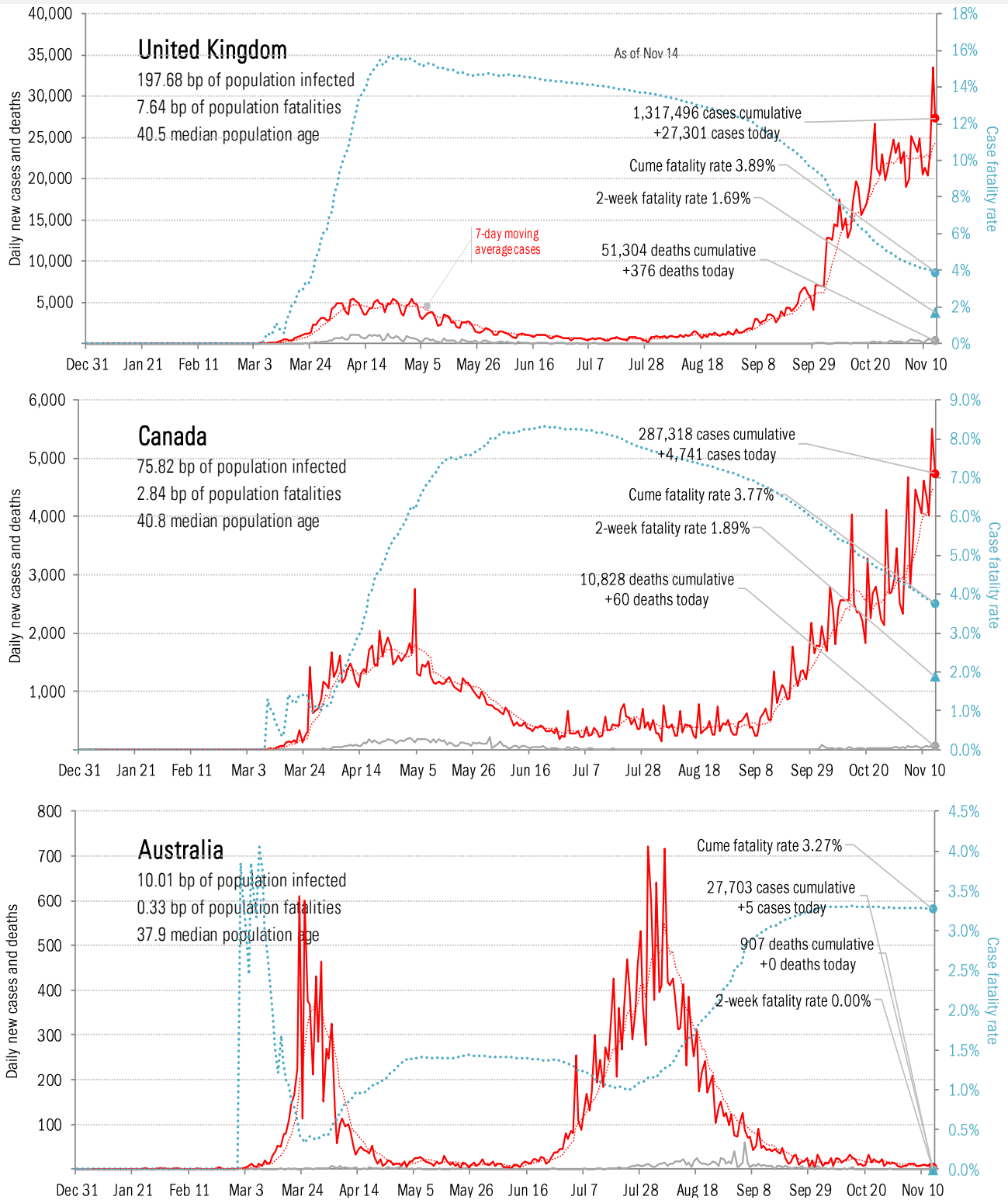
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



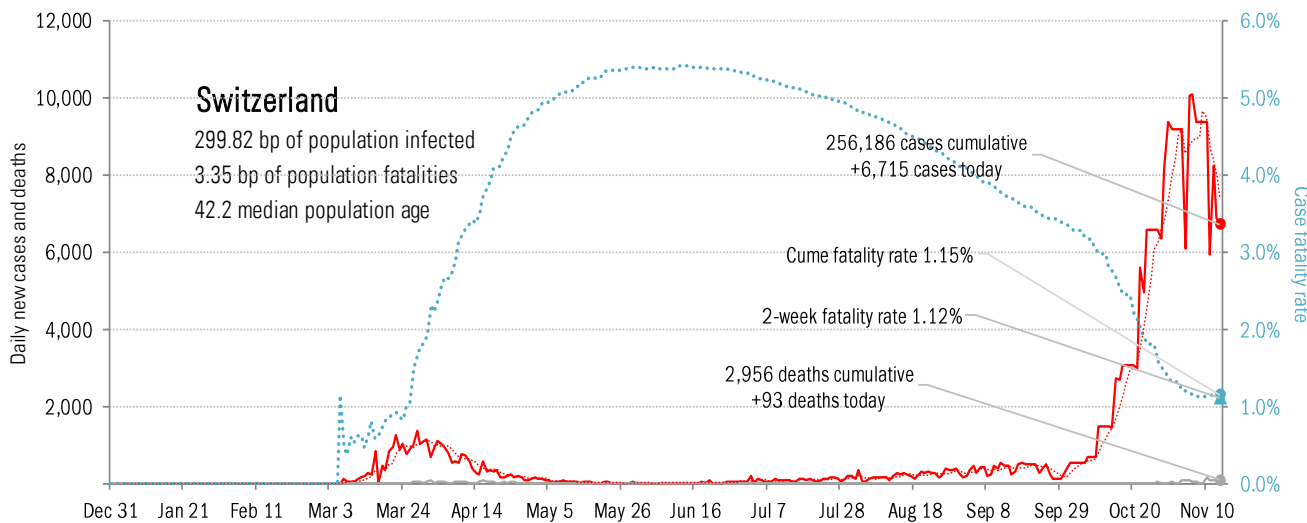
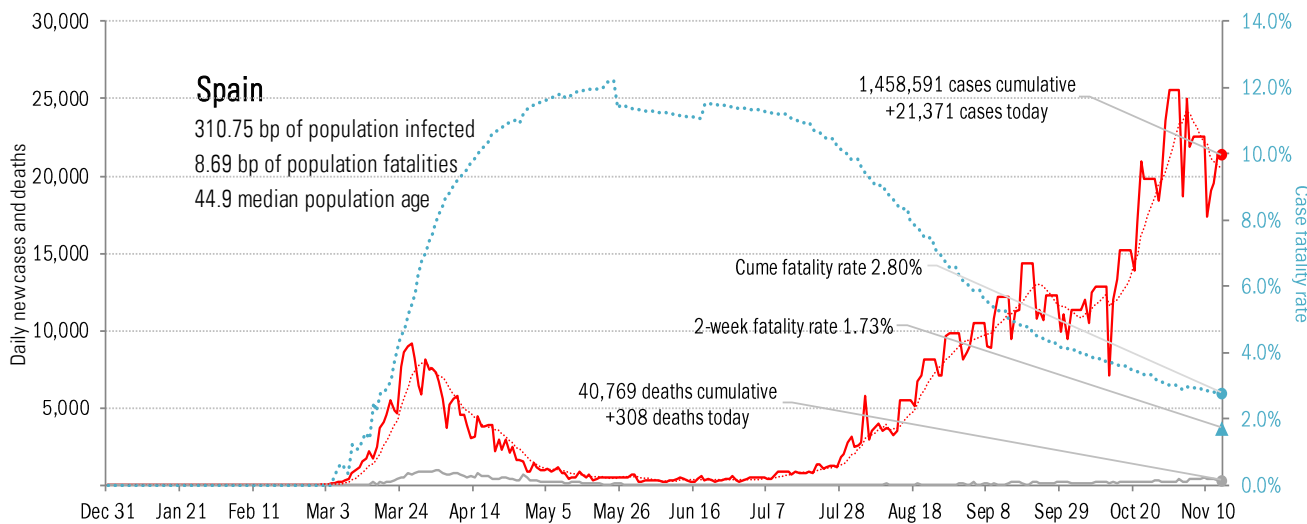
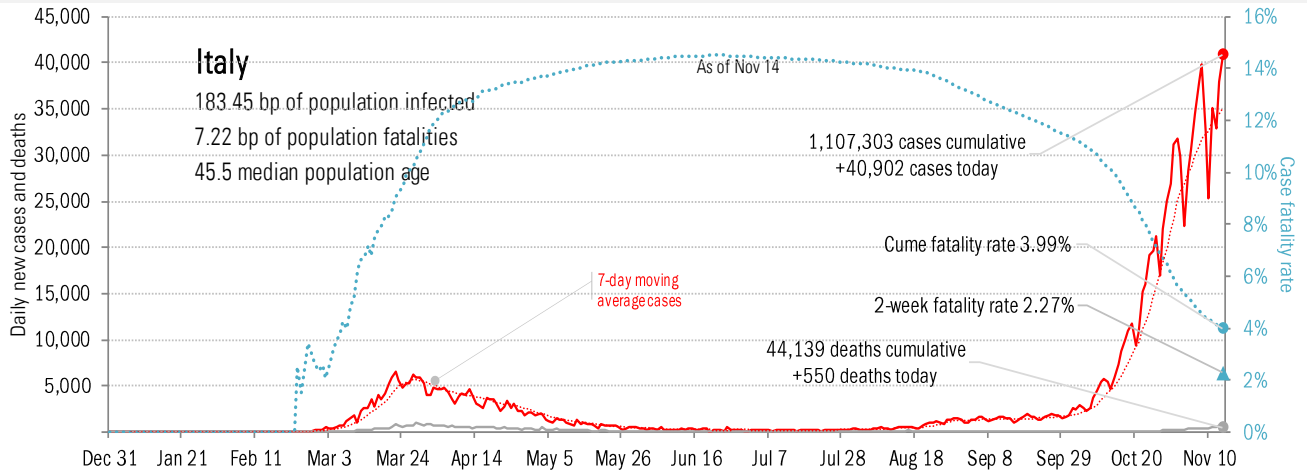
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



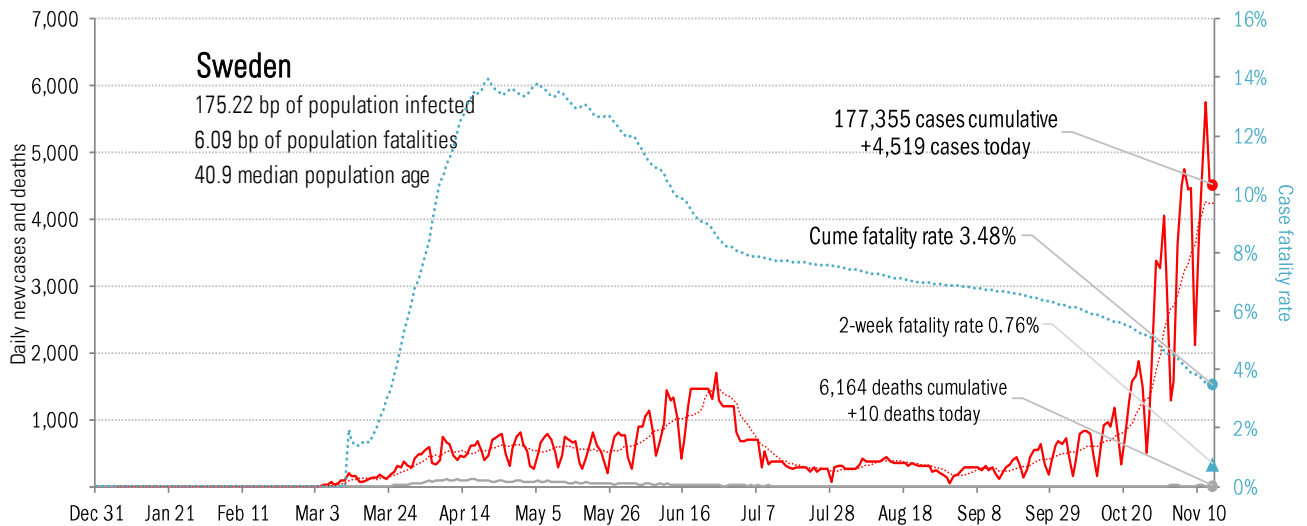
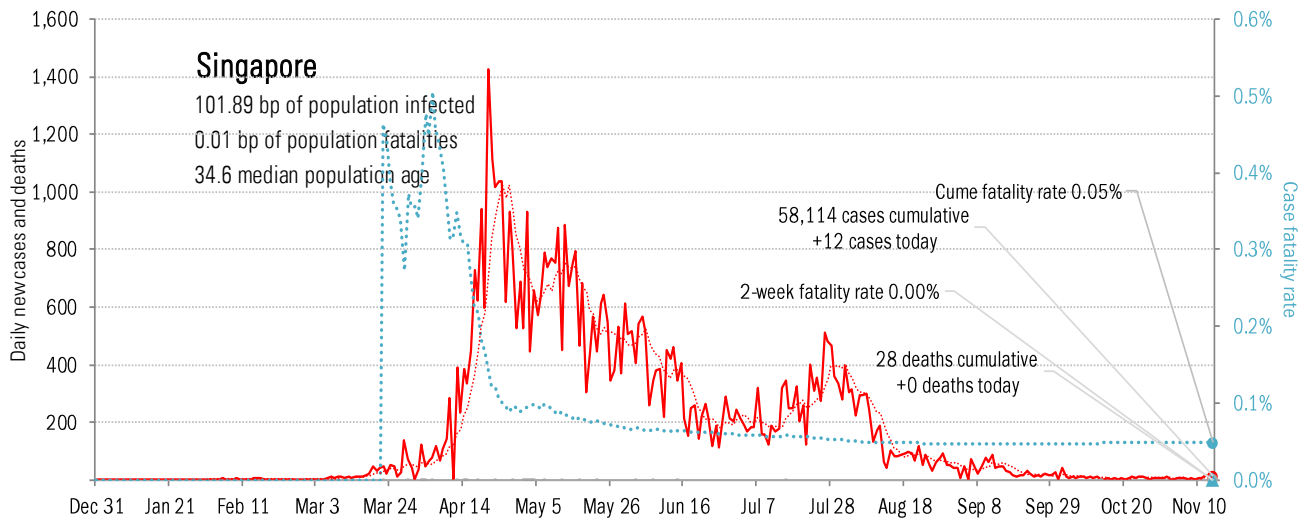
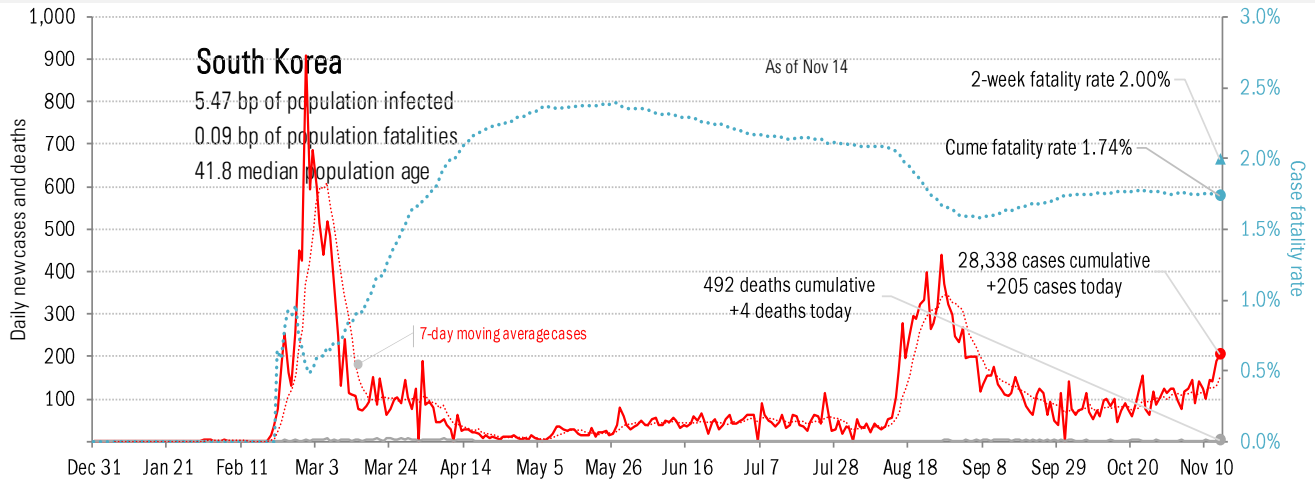
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



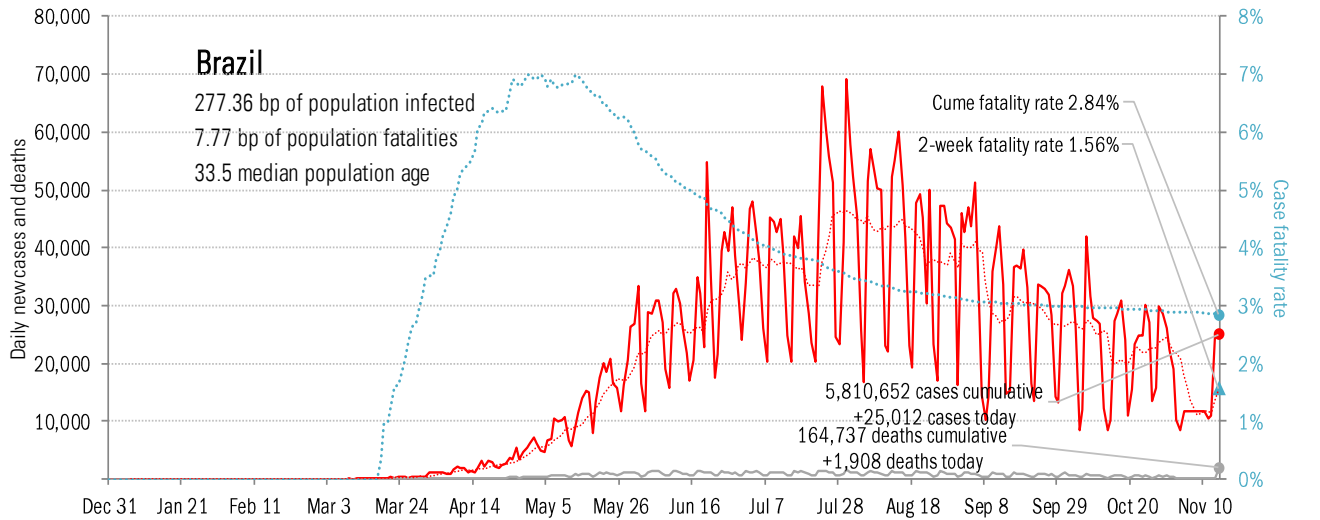
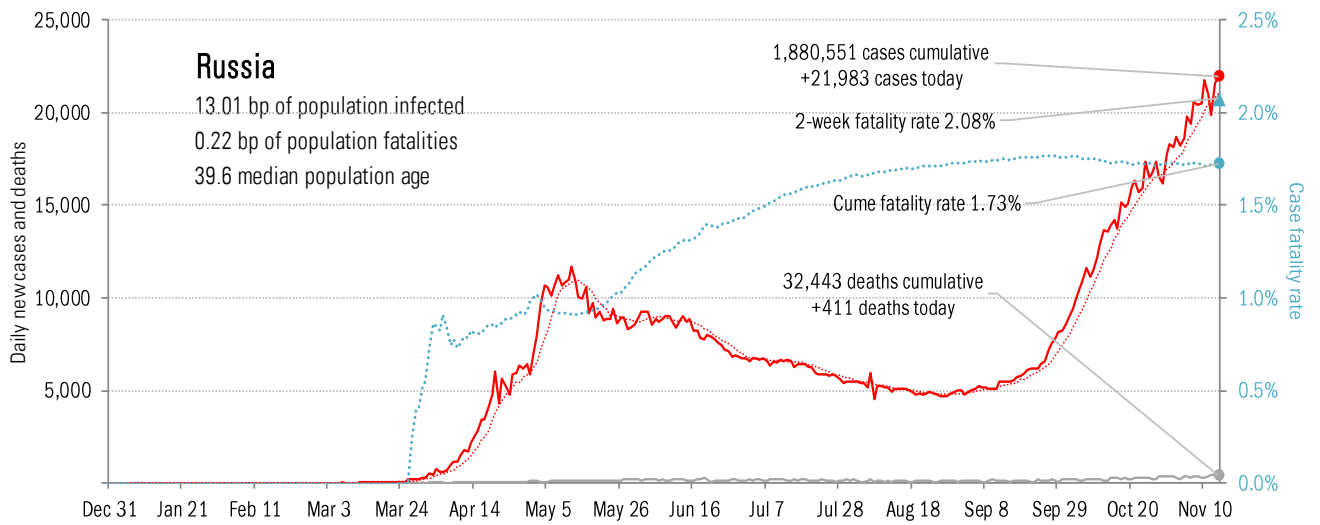
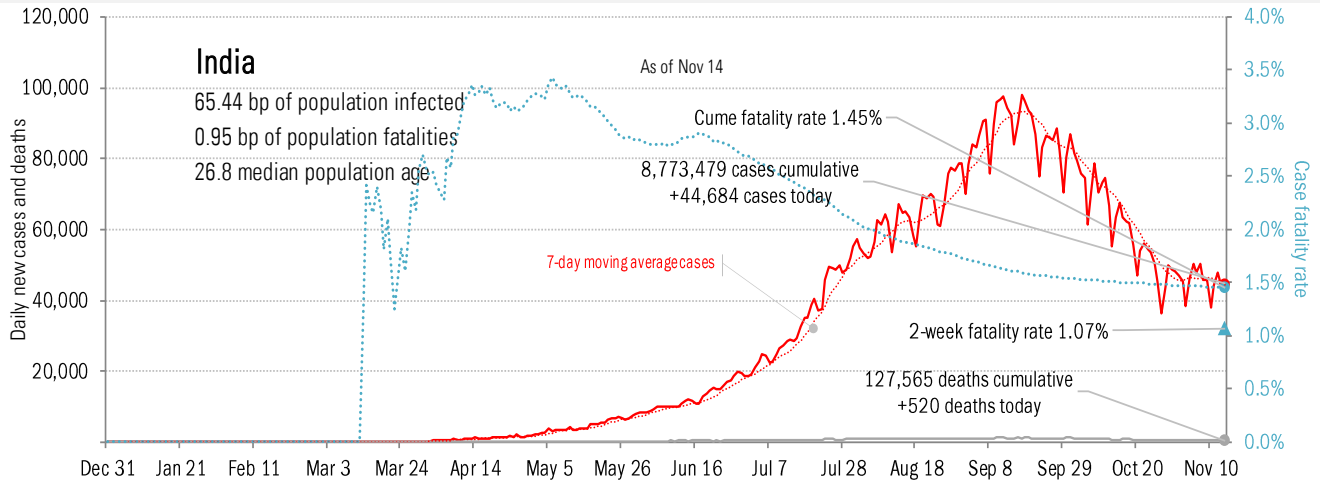
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



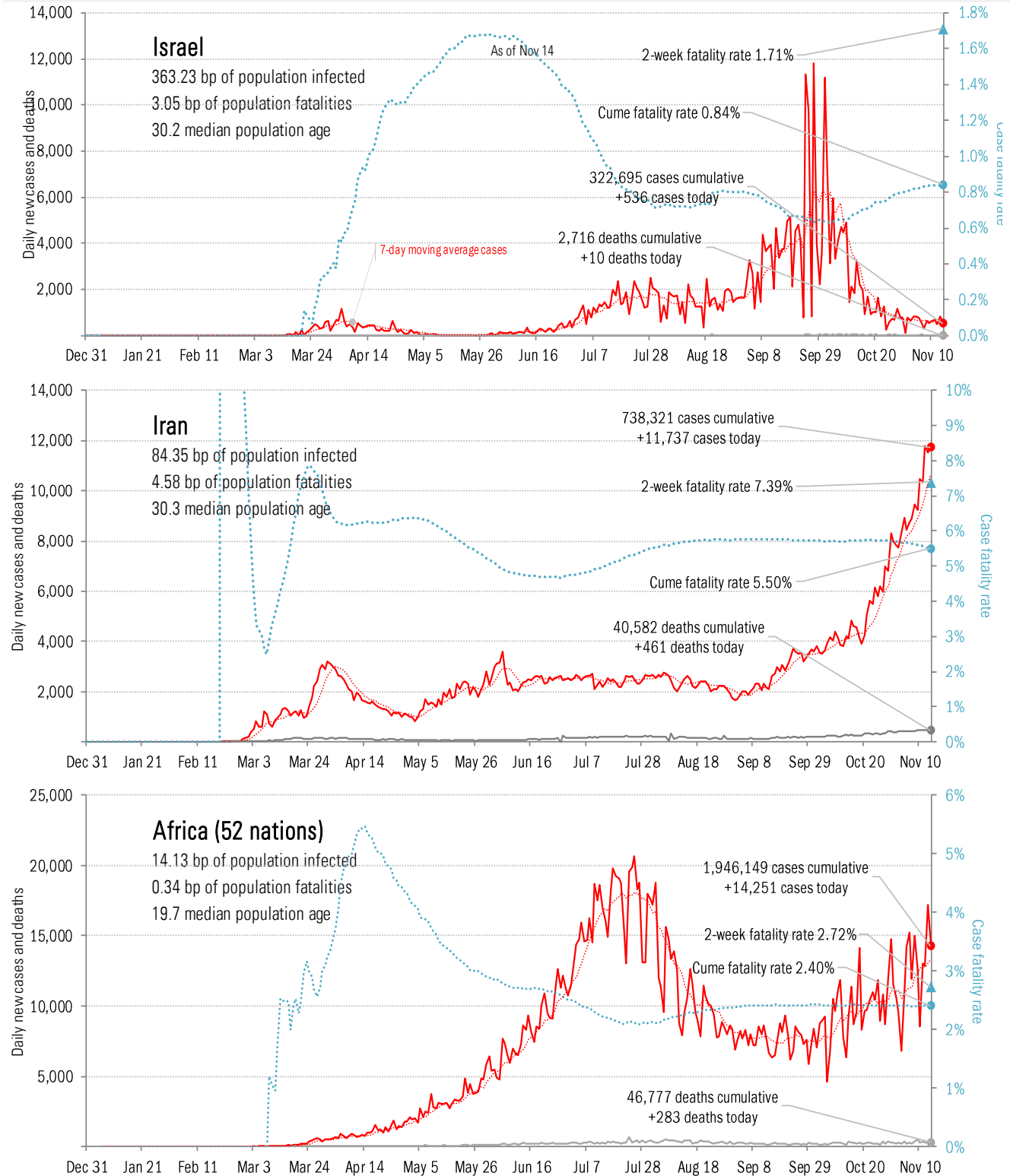
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations