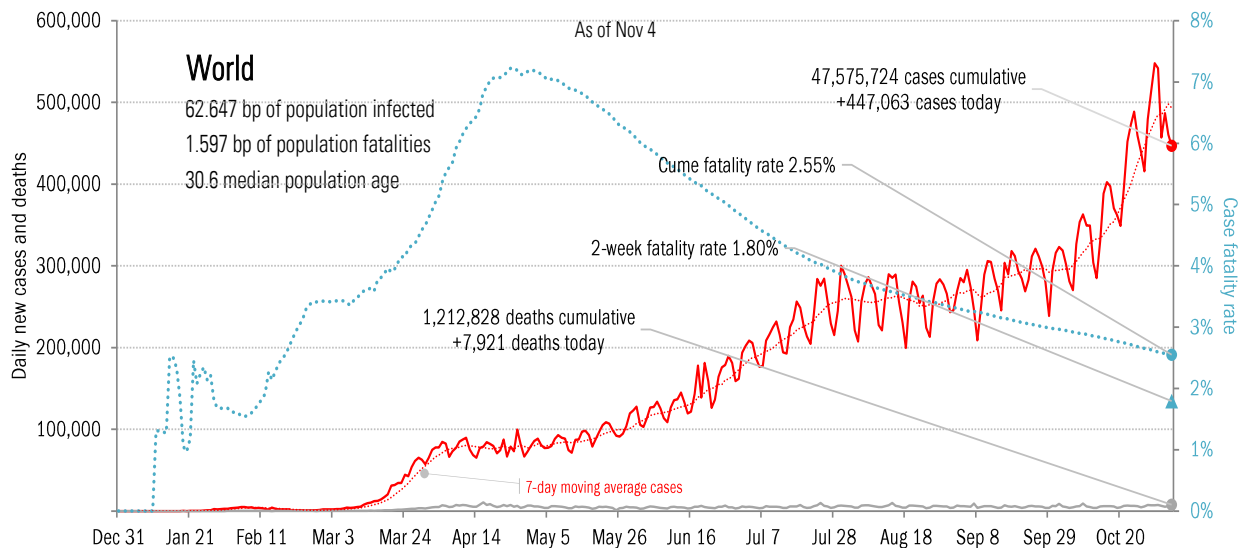
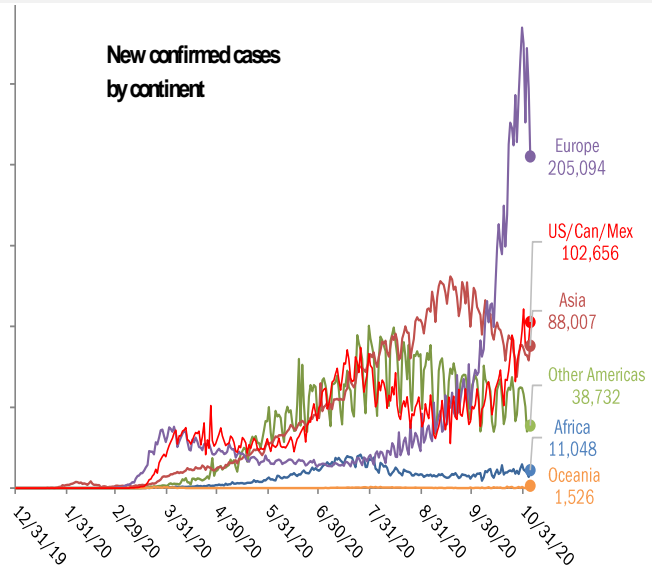


Data Insights: Covid-2019 Monitor

Wednesday, November 4, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
US	+92,734	US	+1,076
India	+46,253	France	+854
France	+36,330	India	+514
Italy	+28,241	Mexico	+493
UK	+20,018	Argentina	+429
Poland	+19,364	Iran	+422
#N/A	+18,669	UK	+397
Russia	+18,648	Russia	+355
Argentina	+12,145	Italy	+353
Czechia	+12,089	Czechia	+259
+304,491		+5,152	
World	+447,063	World	+7,921
Top ten	68%	Top ten	65%



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

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

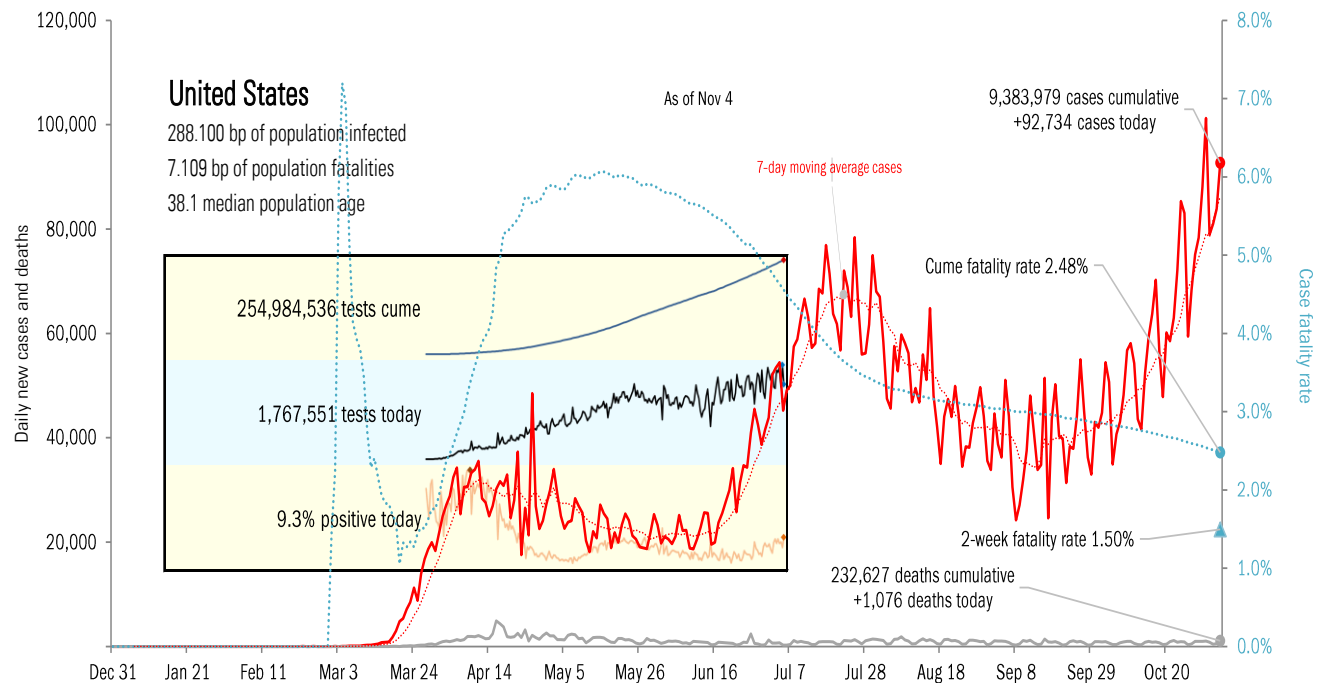
The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
TX	+7,516	TX	+97	IL	+223	CA	934,672	NY	25,853	NY	89,995
IL	+6,516	TN	+75	WI	+202	TX	916,773	TX	18,194	FL	50,298
WI	+6,104	IL	+68	TX	+166	FL	805,924	CA	17,686	NJ	37,871
FL	+4,553	NC	+67	TN	+142	NY	513,689	FL	17,099	GA	31,893
CH	+4,229	WI	+58	CH	+138	IL	436,277	NJ	16,375	AZ	21,626
CA	+4,044	FL	+56	OK	+122	GA	364,589	IL	10,161	VA	21,332
MN	+3,476	IN	+49	IN	+108	NC	280,377	MA	10,035	AL	20,901
MI	+3,437	MI	+45	MI	+93	TN	266,357	PA	8,855	CH	19,615
IN	+2,881	AZ	+38	MN	+78	WI	251,032	GA	8,029	IN	17,384
PA	+2,875	MS	+36	SD	+78	AZ	249,818	MI	7,761	MD	17,312
<hr/>		<hr/>		<hr/>		<hr/>		<hr/>		<hr/>	
+45,631		+589		+1,350		5,019,508		140,048		328,227	
All states	+86,507	All states	+1,079	All states	+1,870	All states	9,321,806	All states	224,265	All states	480,878
Top ten	53%	Top ten	55%	Top ten	72%	Top ten	54%	Top ten	62%	Top ten	68%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-4,046	AR	-42	MI	-145	AL	+10
MI	-3,483	KS	-17	ID	-108	UT	+8
CT	-2,651	CT	-11	FL	-92	AR	+6
TN	-1,391	CH	-4	NV	-76	AK	+0
FR	-740	FR	-4	AR	-53	AS	+0



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

Recommended reading

[Belgium's fight against Covid hindered by regional rivalries](#)

Michael Peel
Financial Times
November 3, 2020

[Students: I'm not prepared](#)

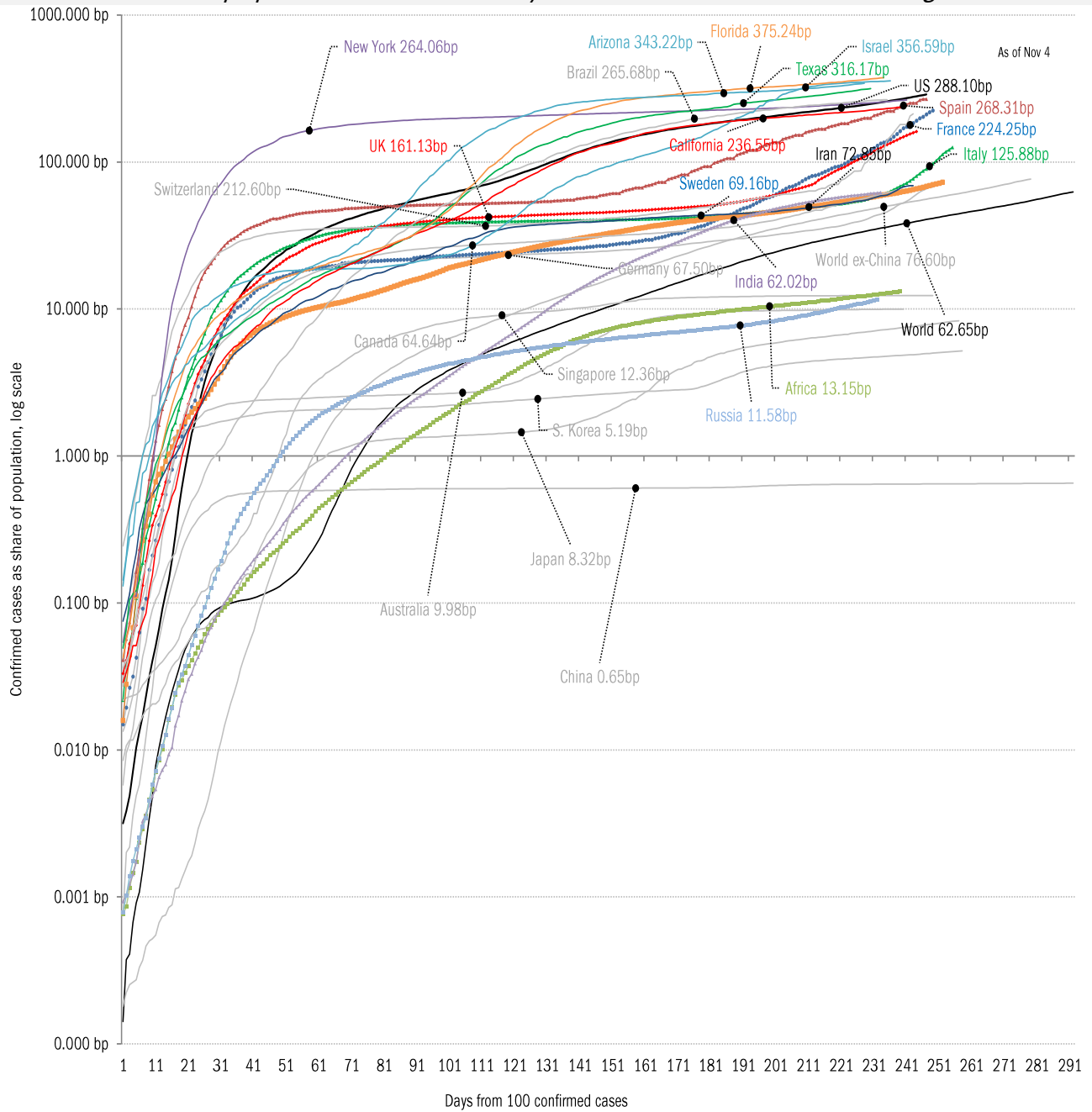
Joanne Jacobs
Linking and Thinking on Education
November 2, 2020

Meme of day



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

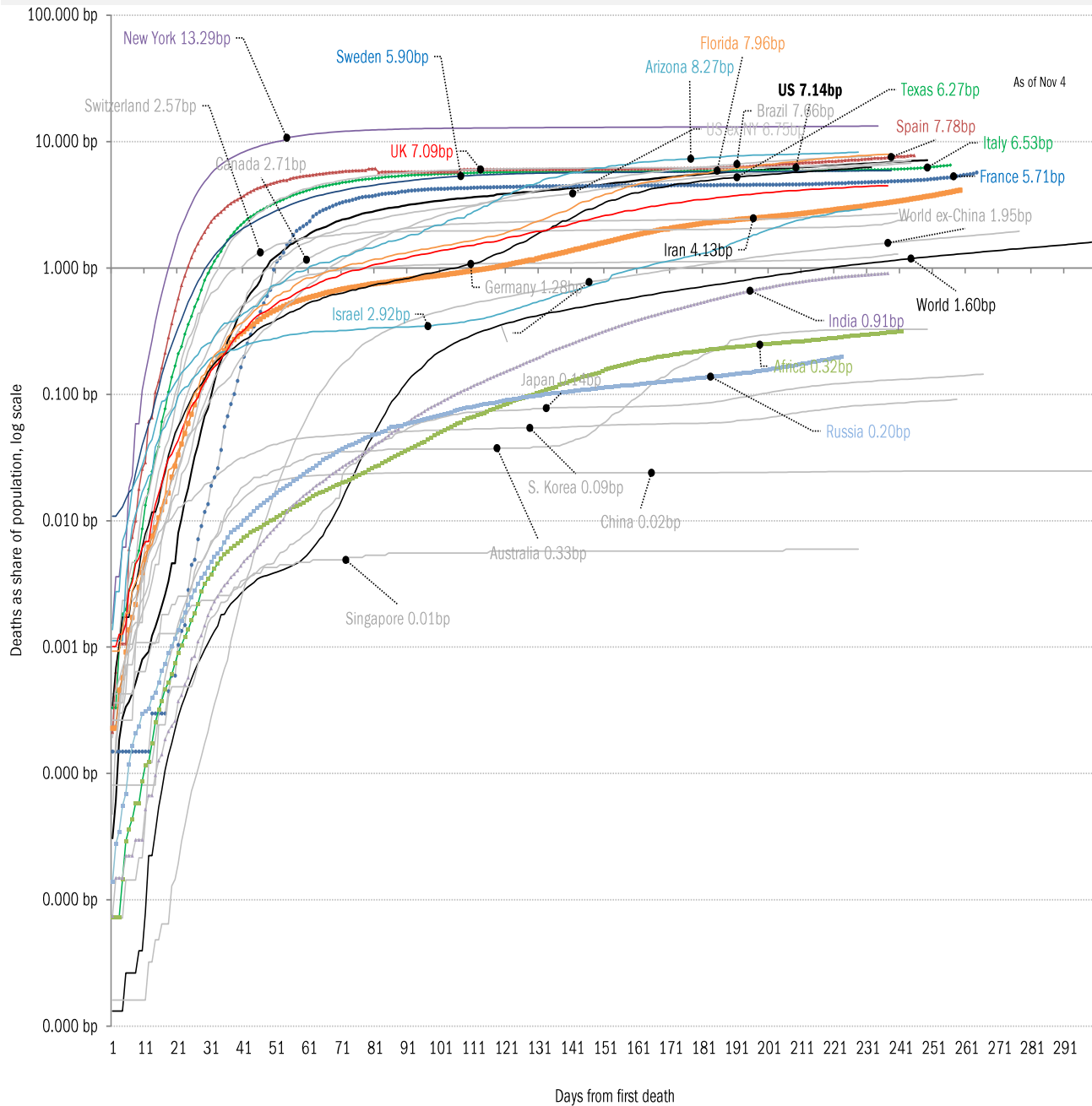
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

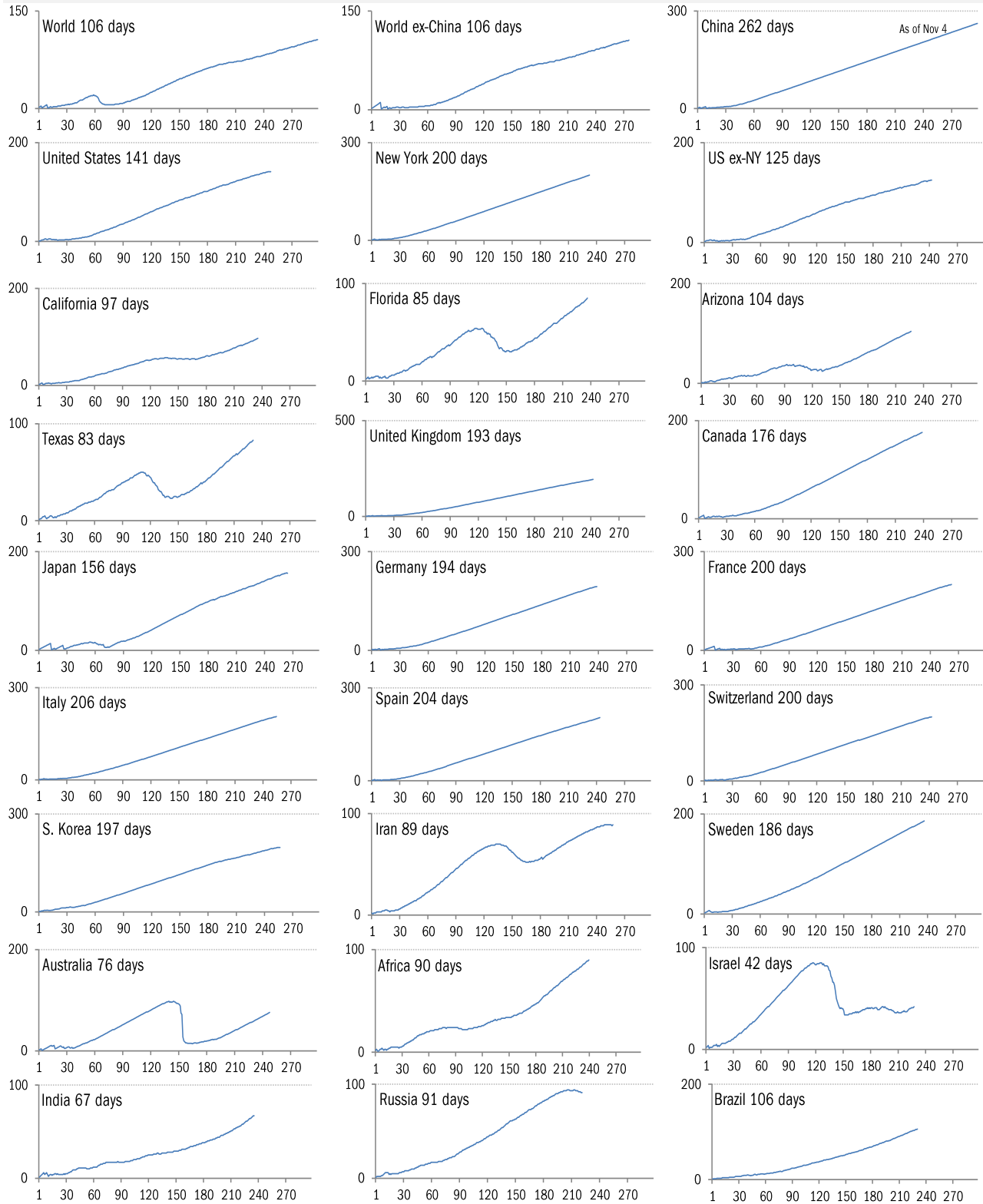


Source: [ECDC](#), TrendMacro calculations

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

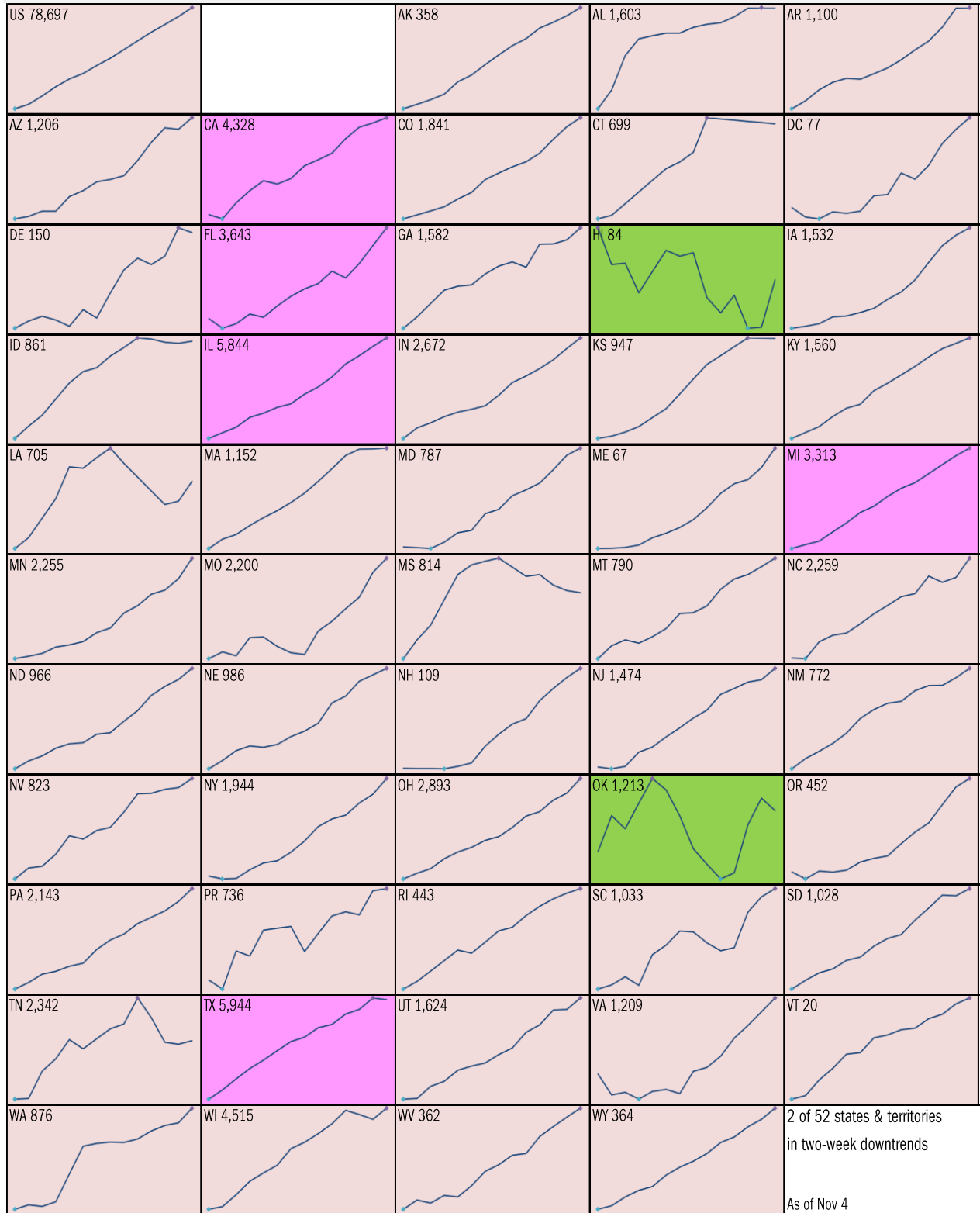
Vertical: days to double deaths Horizontal: days from first death

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



Source: [ECDC](#), TrendMacro calculations

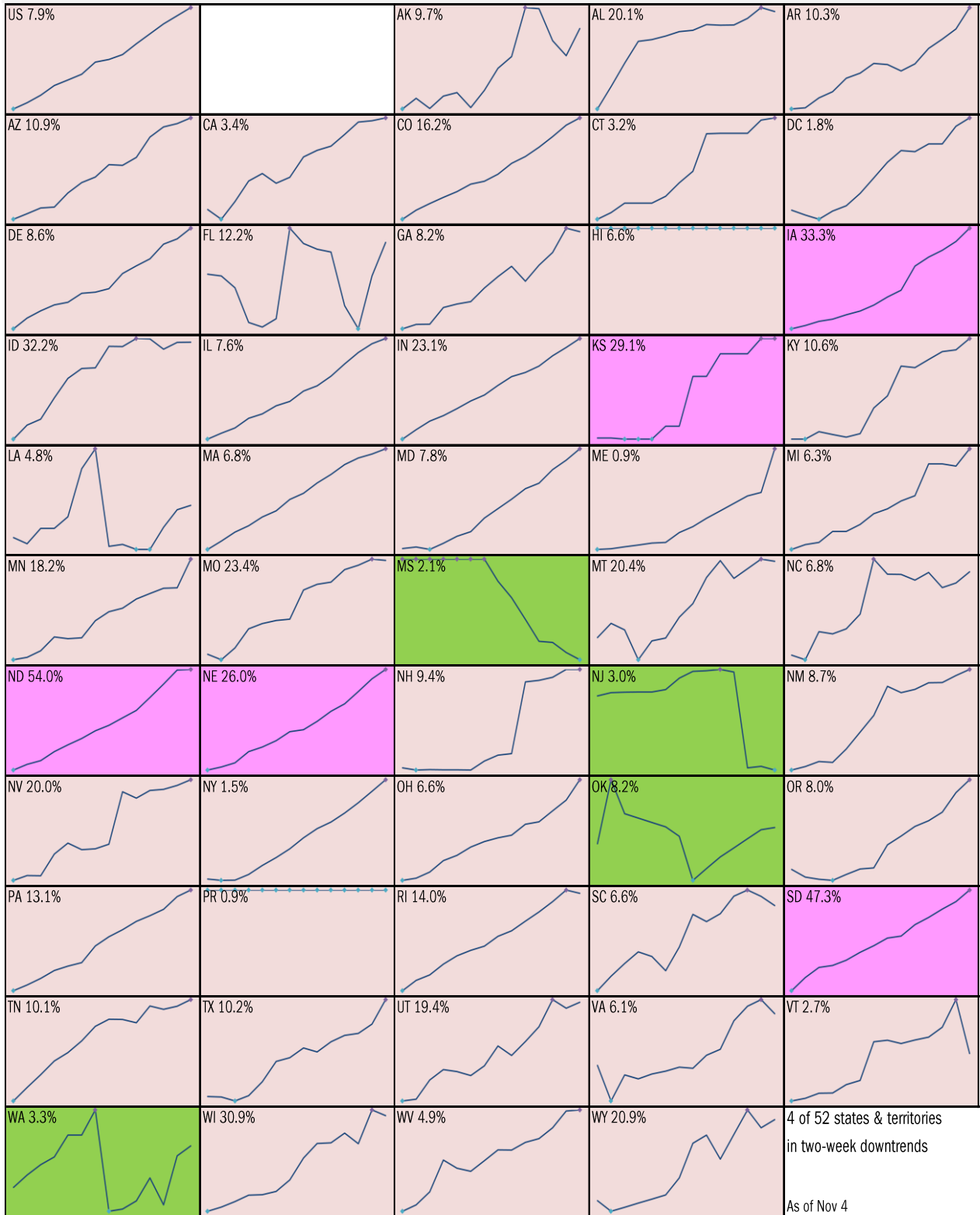
Requirement to [Open Up America Again](#): 14-day “downward trajectory” in new cases
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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



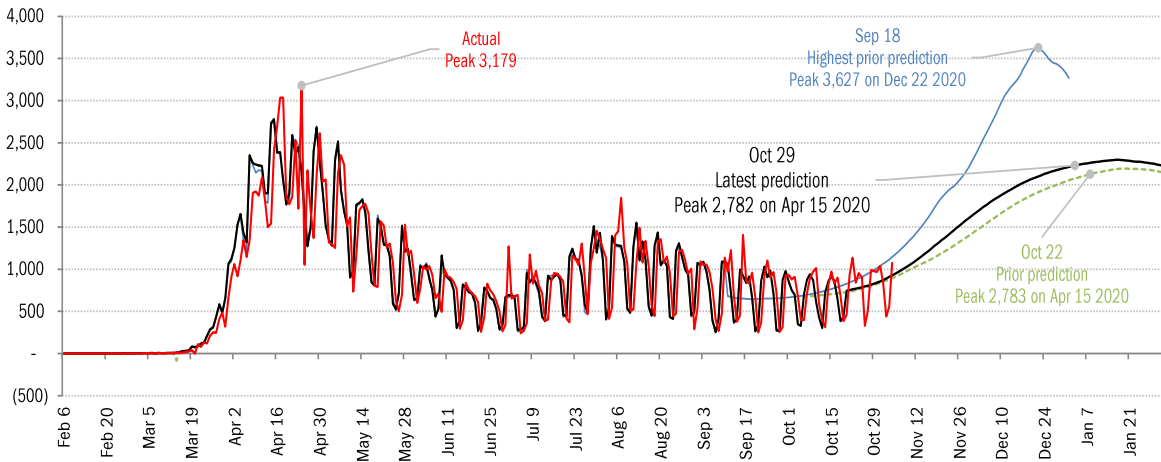
Source: [Covid Tracking Project](#), TrendMacro calculations

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

New daily fatalities

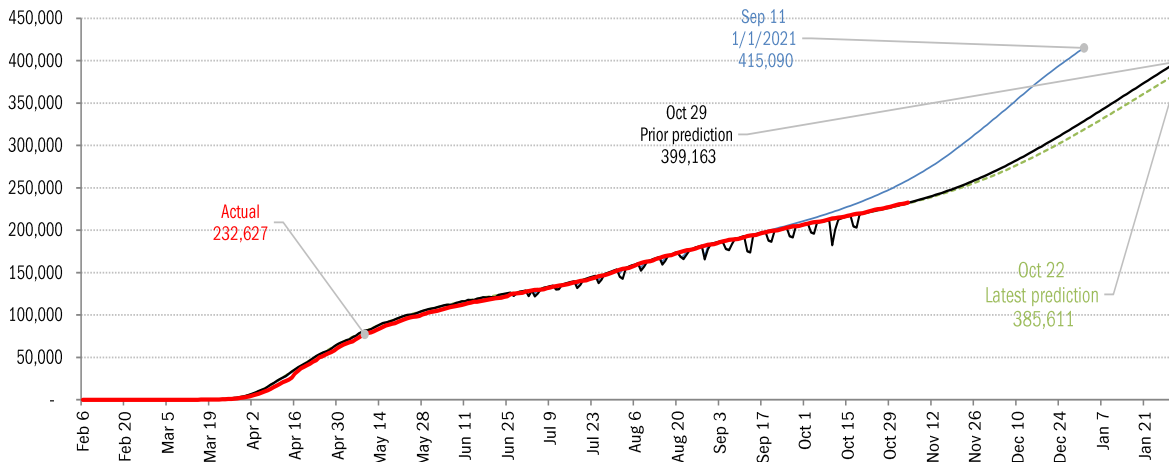
As of Nov 4

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

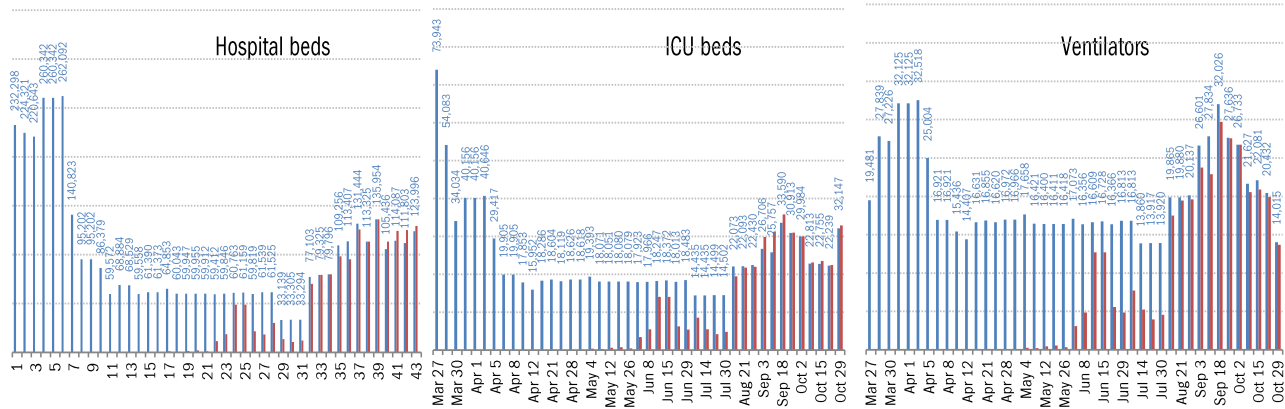


Cumulative fatalities

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

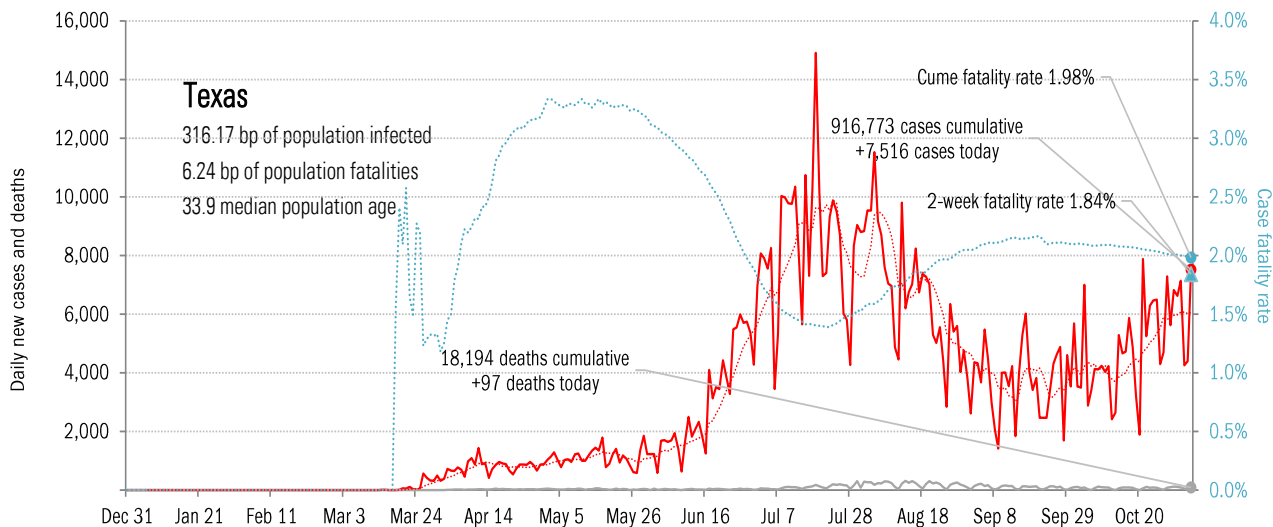
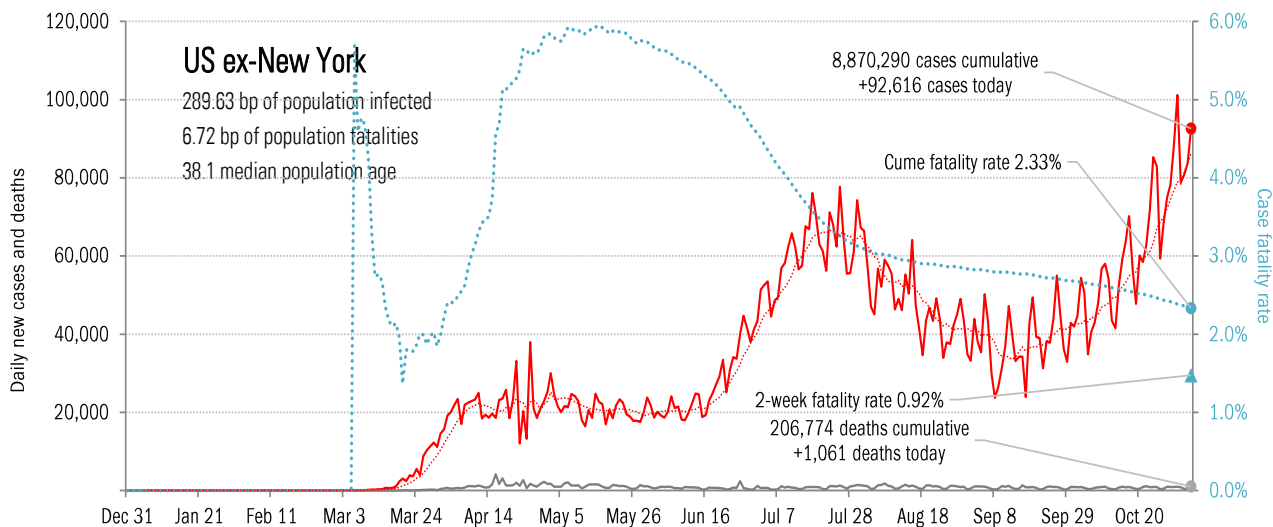
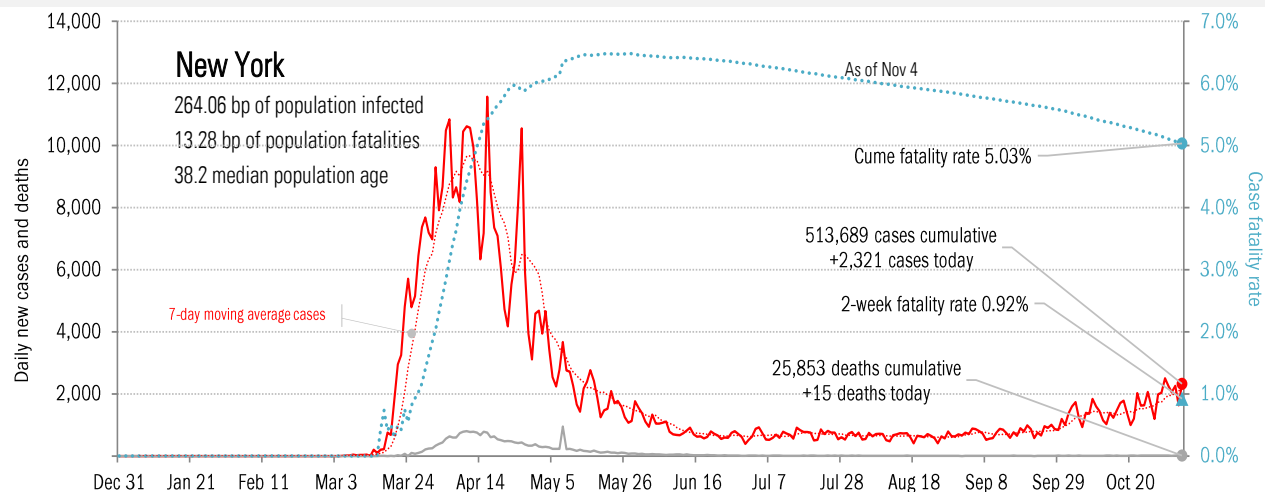


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



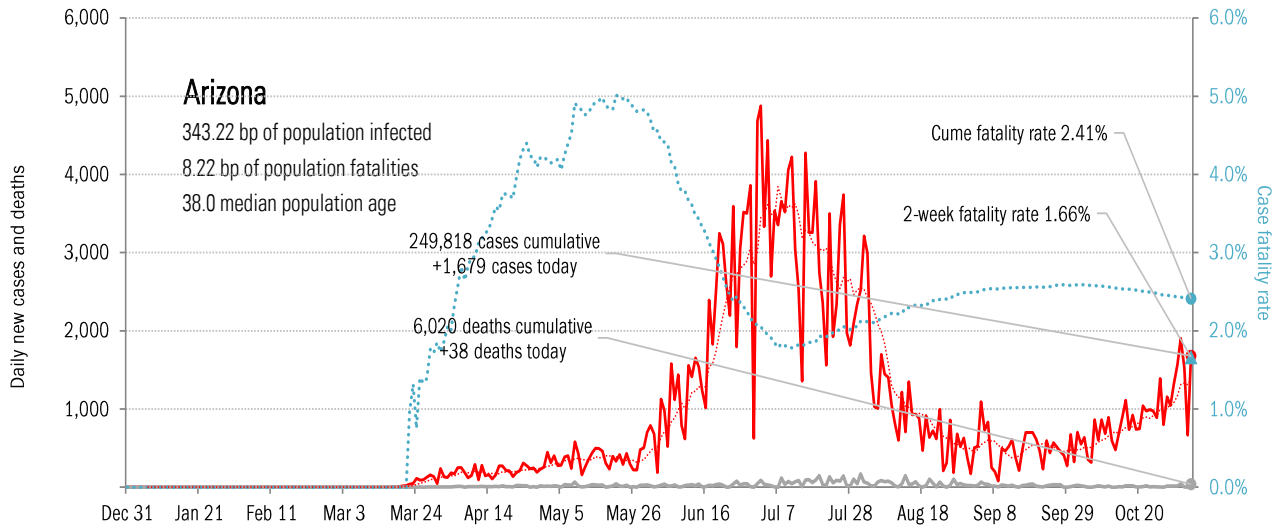
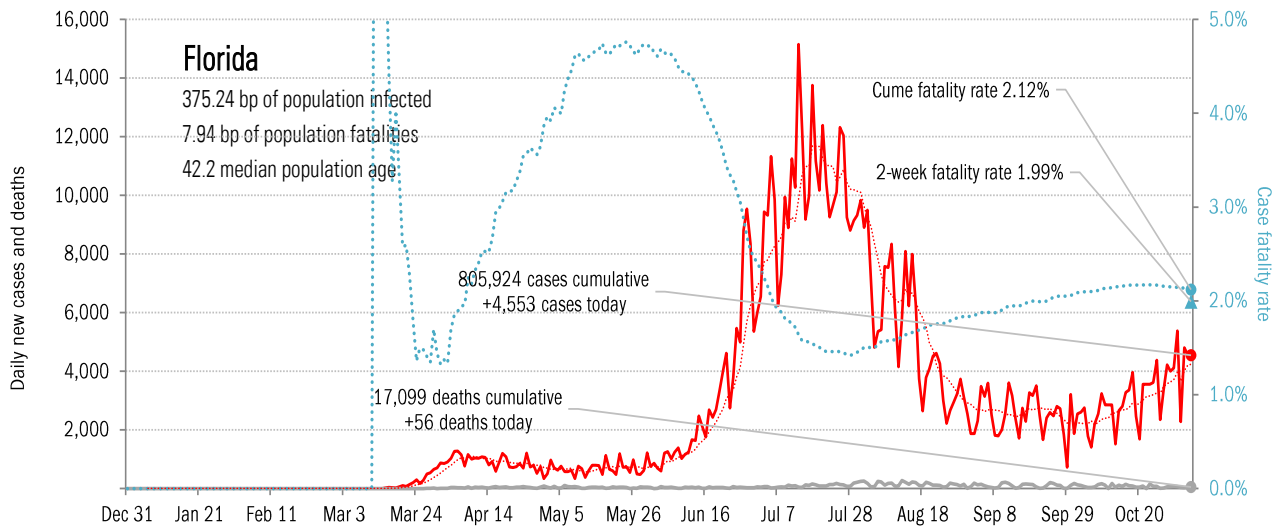
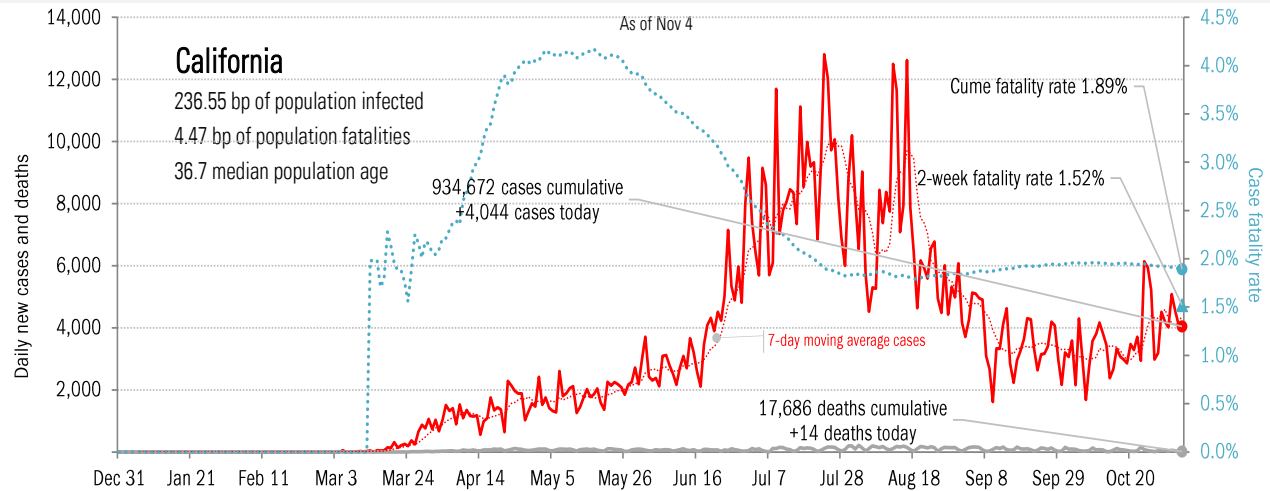
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



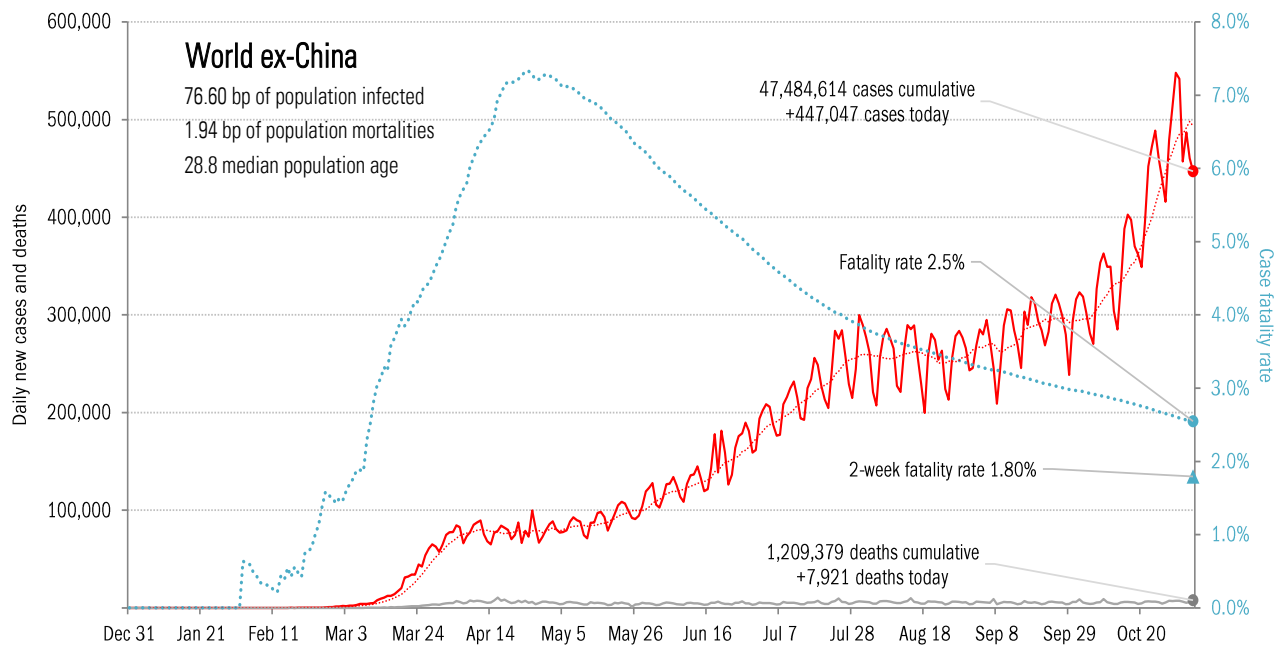
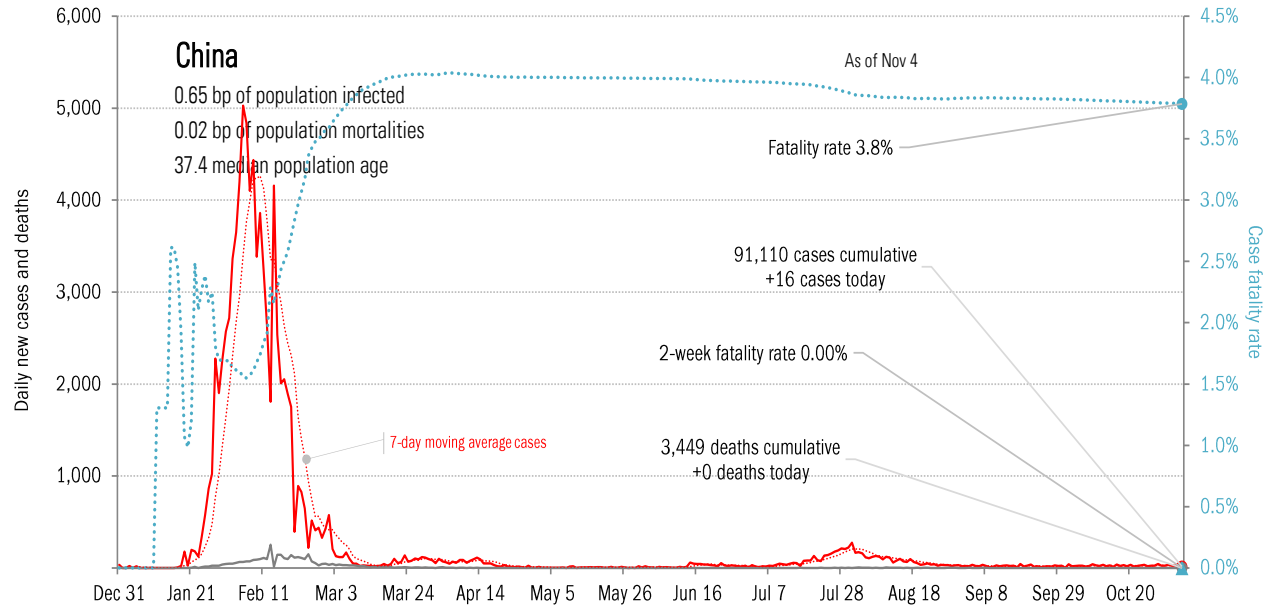
Source: [ECDC](#), TrendMacro calculations

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



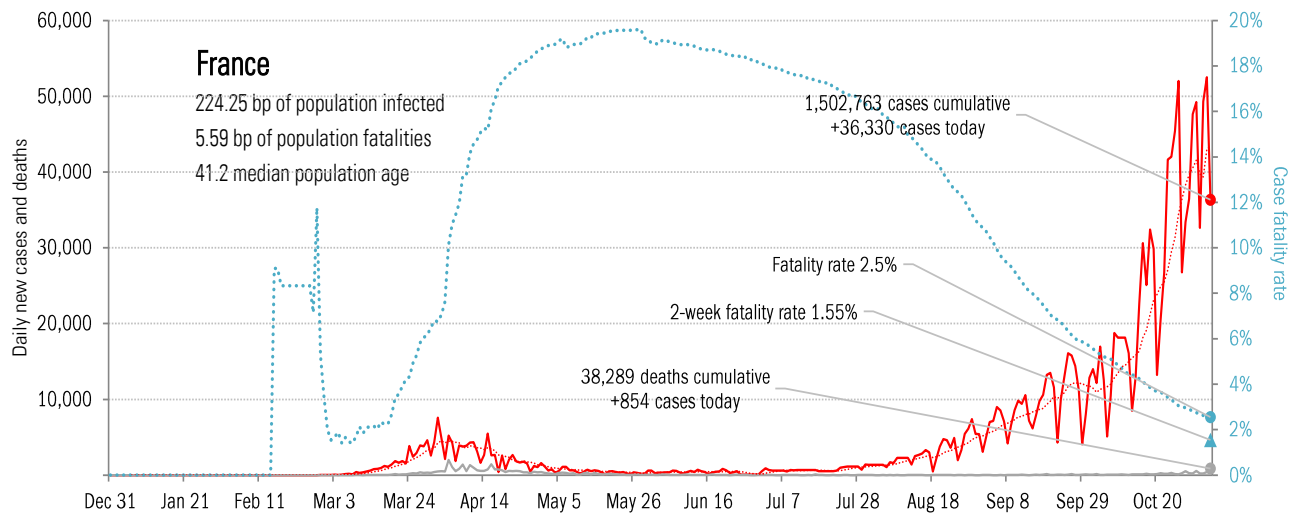
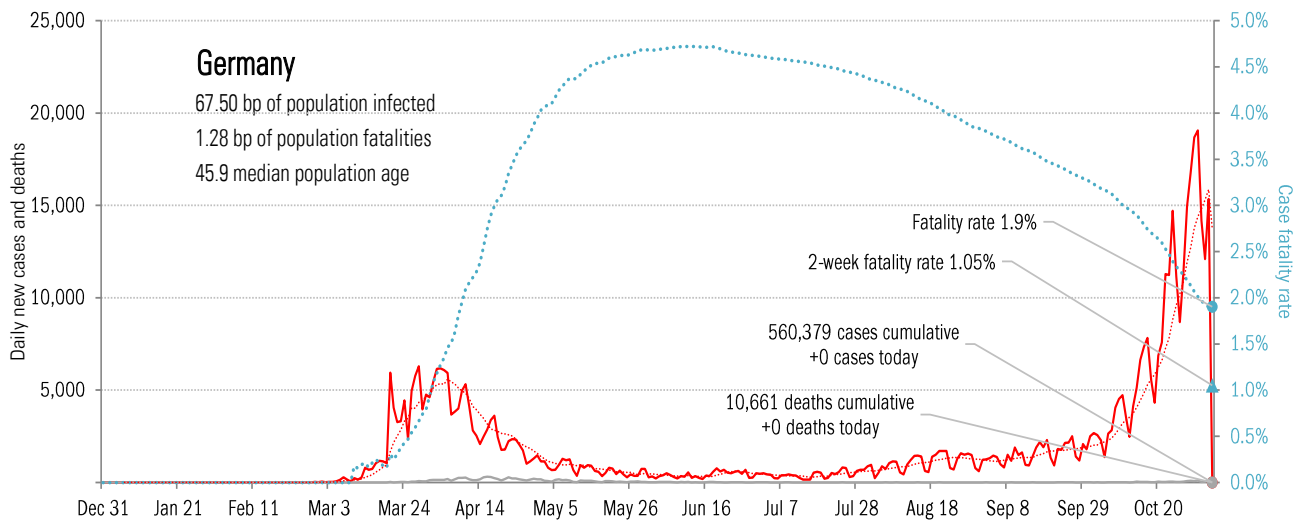
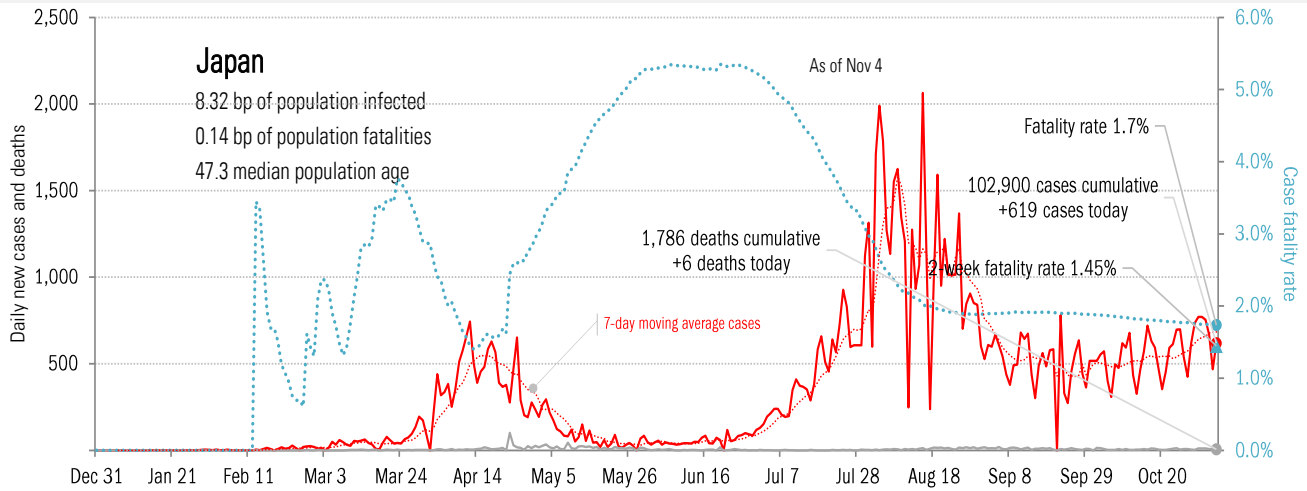
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



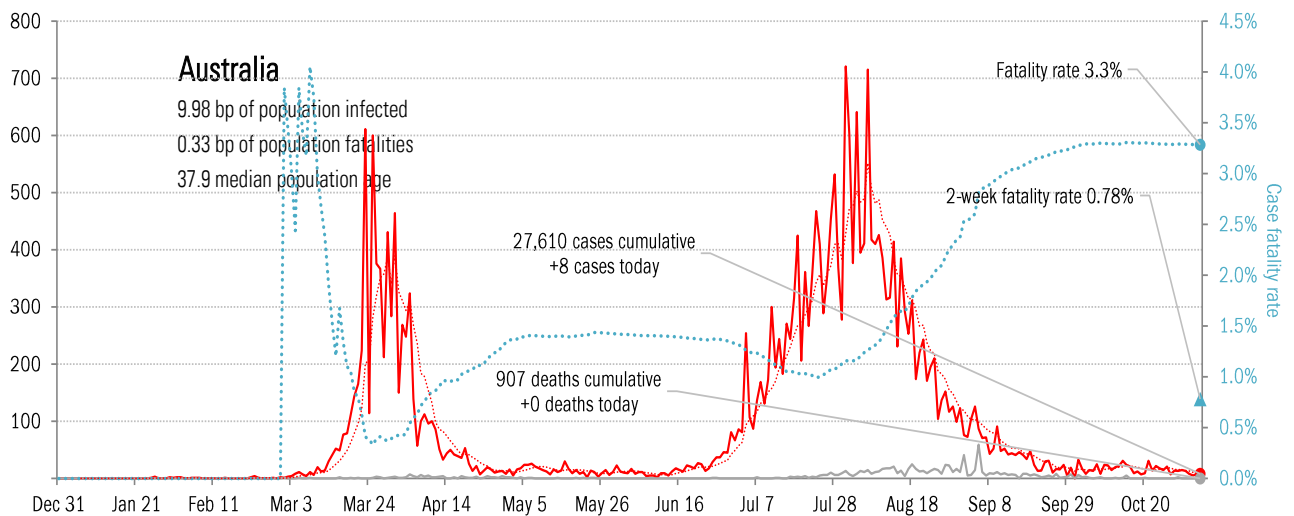
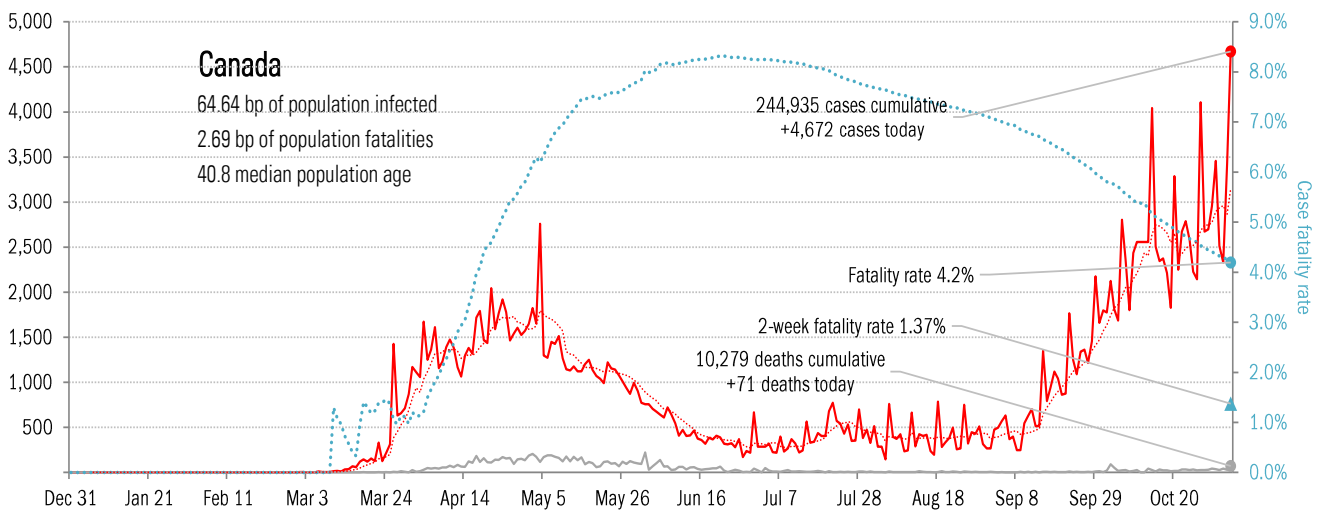
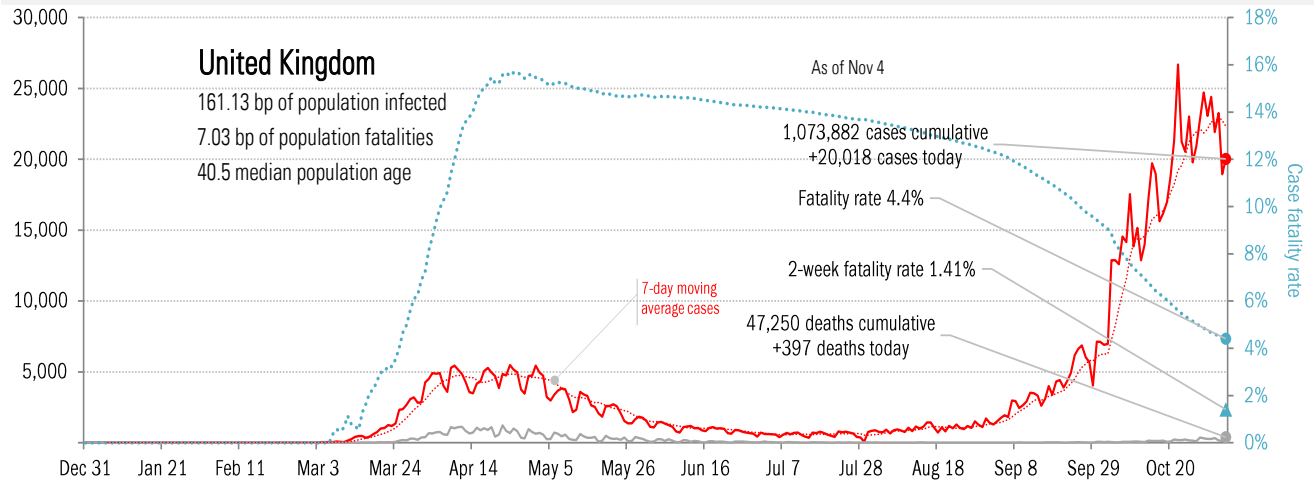
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



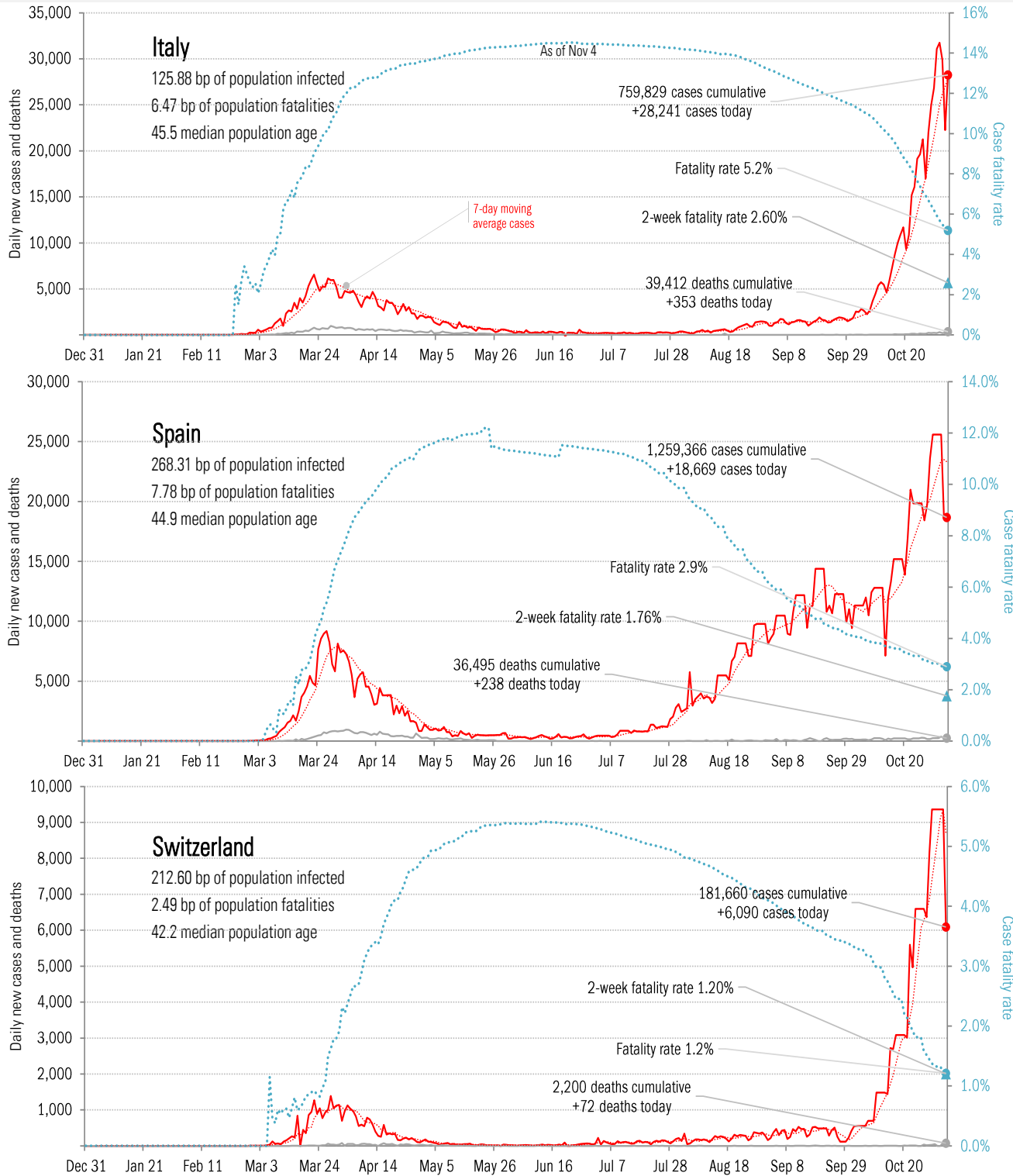
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



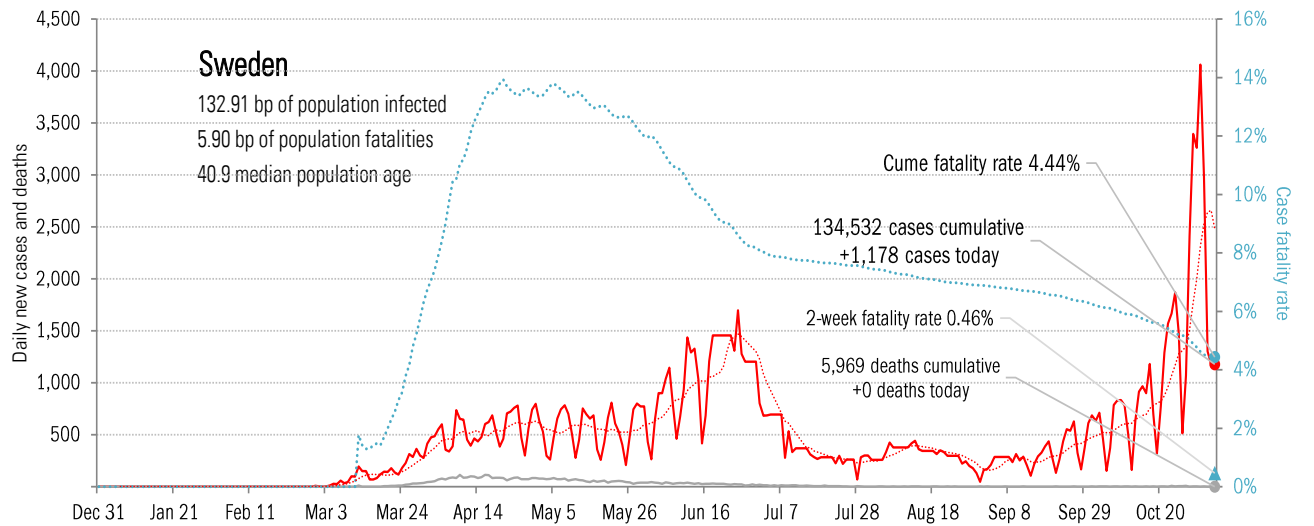
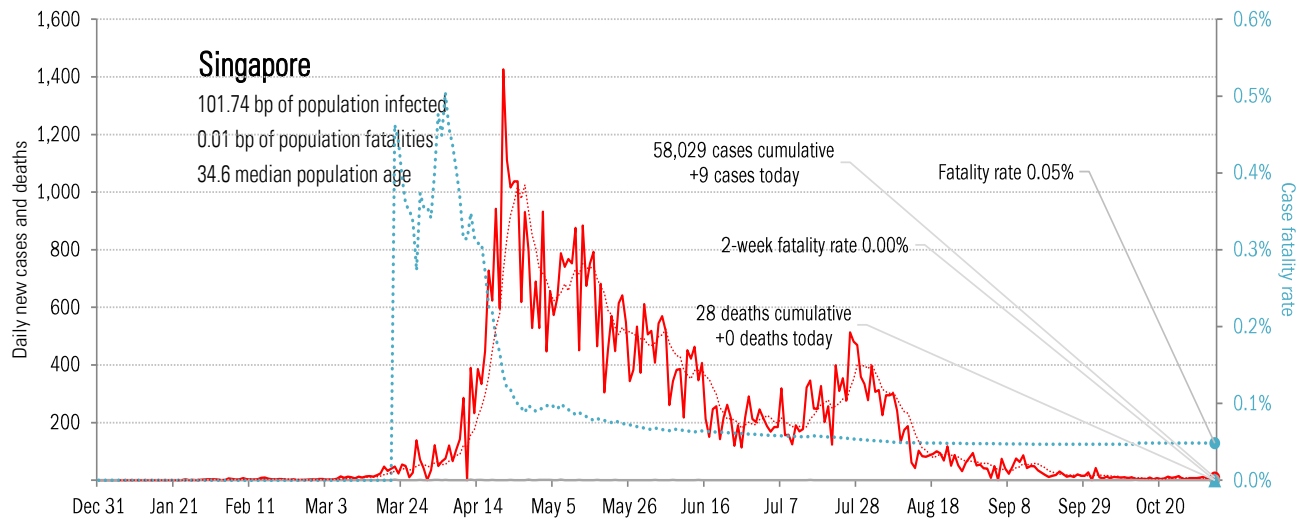
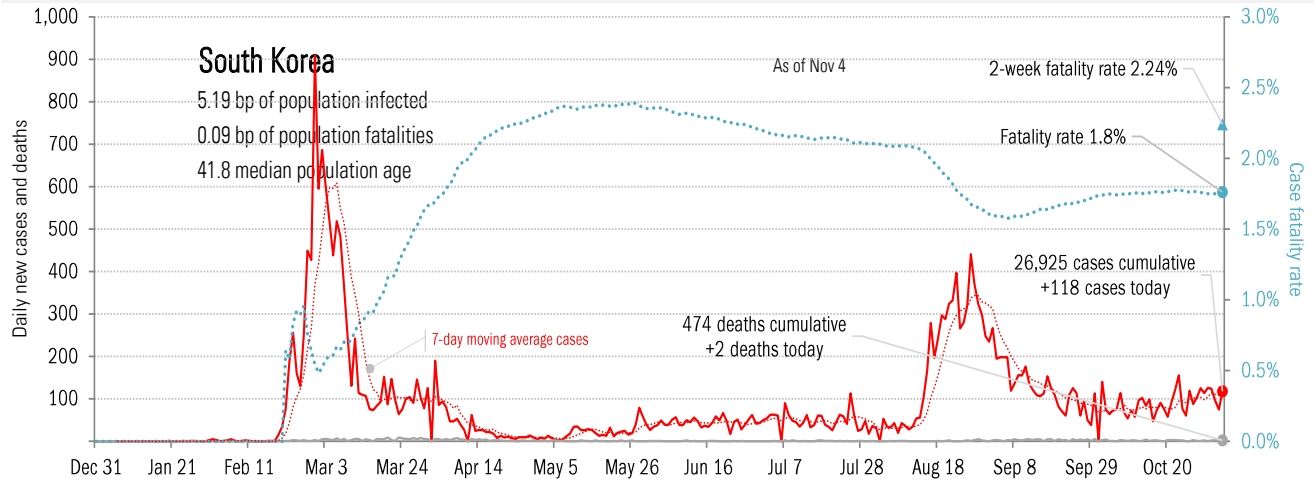
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



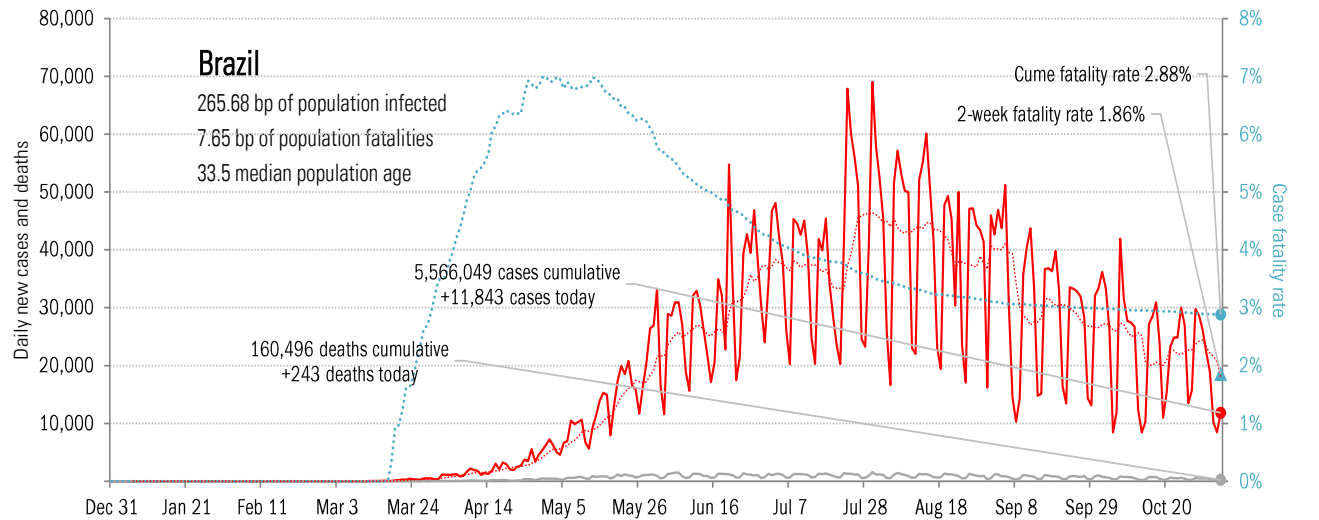
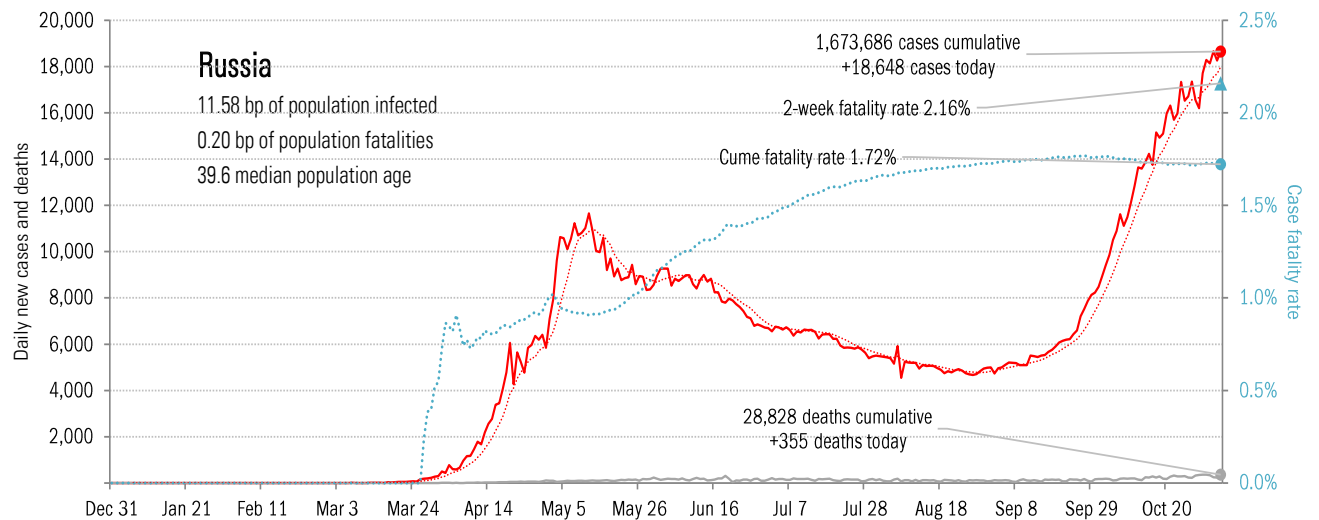
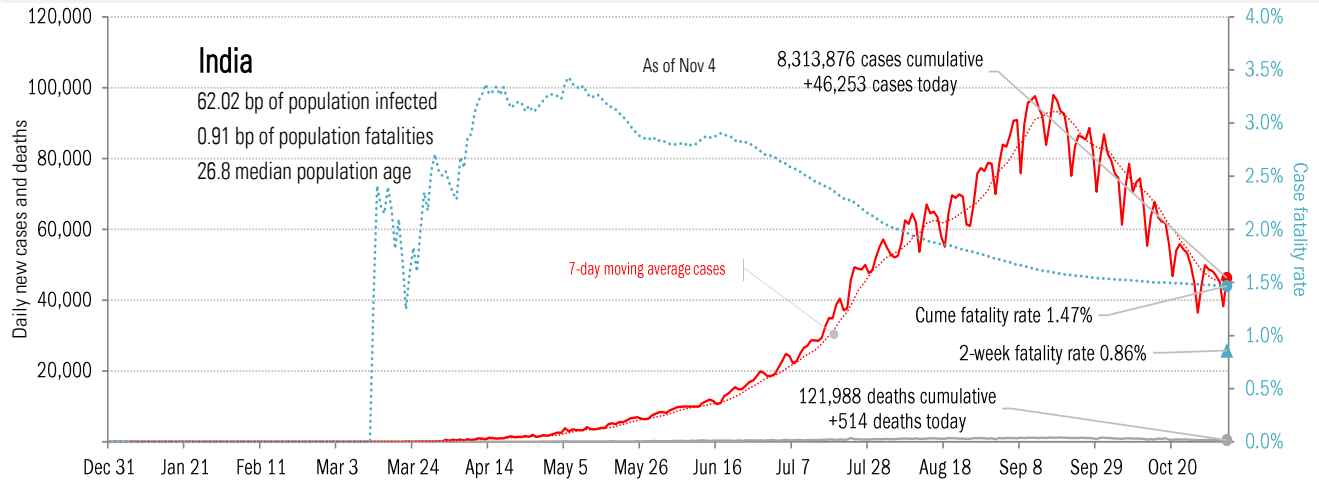
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



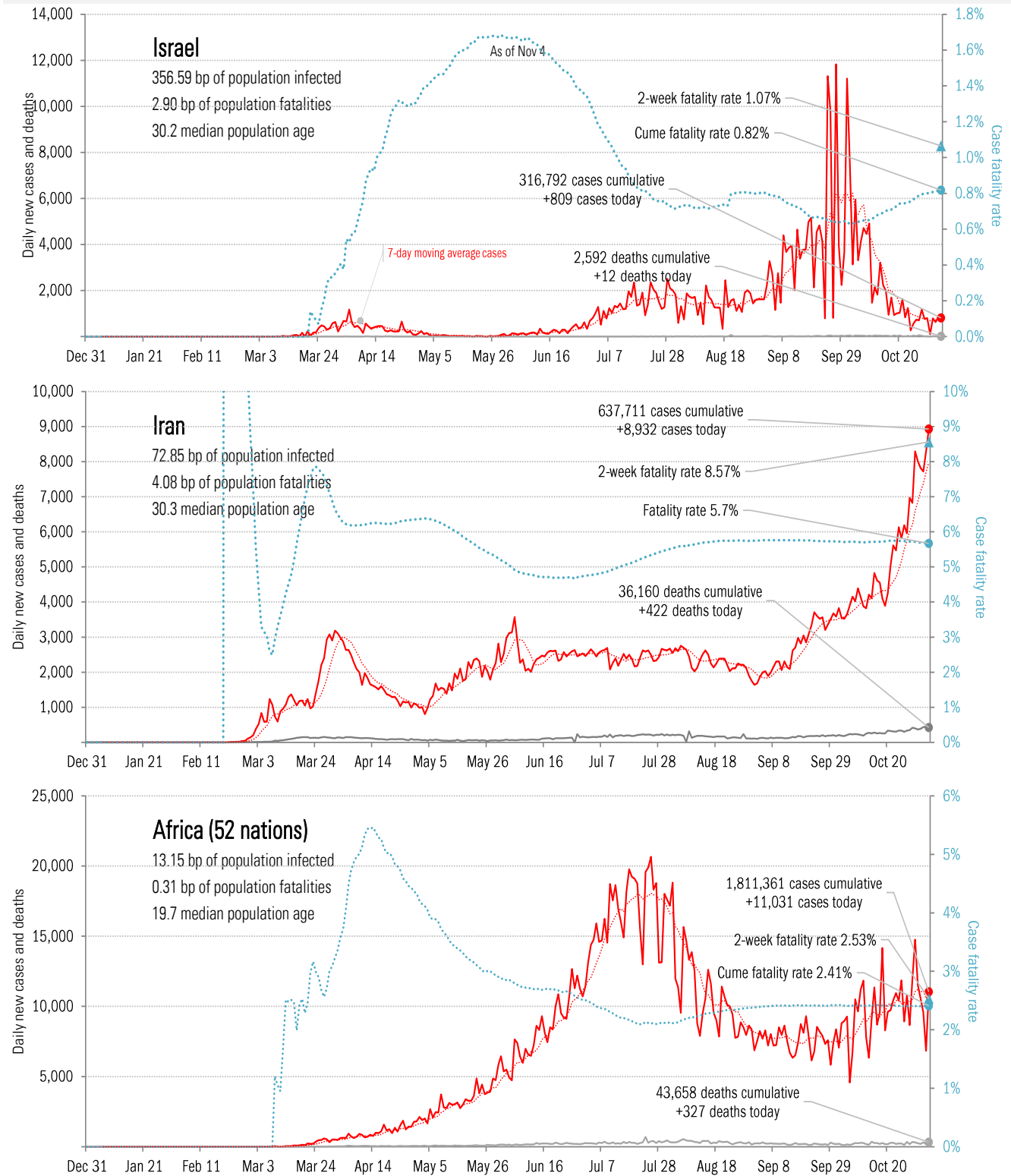
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations