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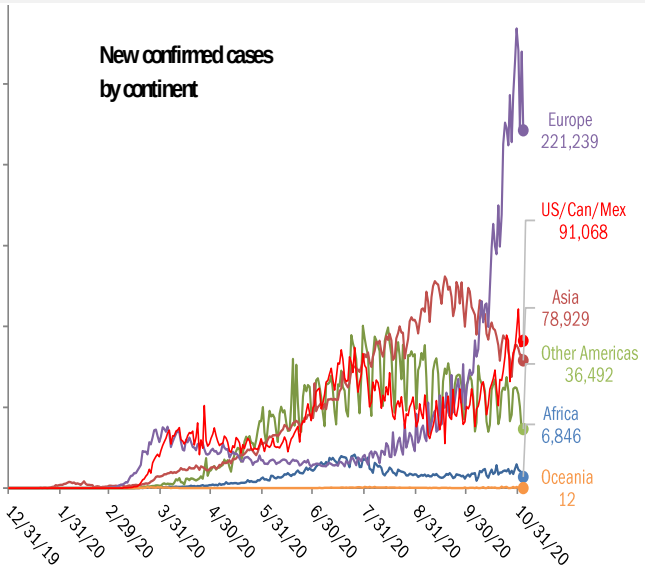
Data Insights: Covid-2019 Monitor

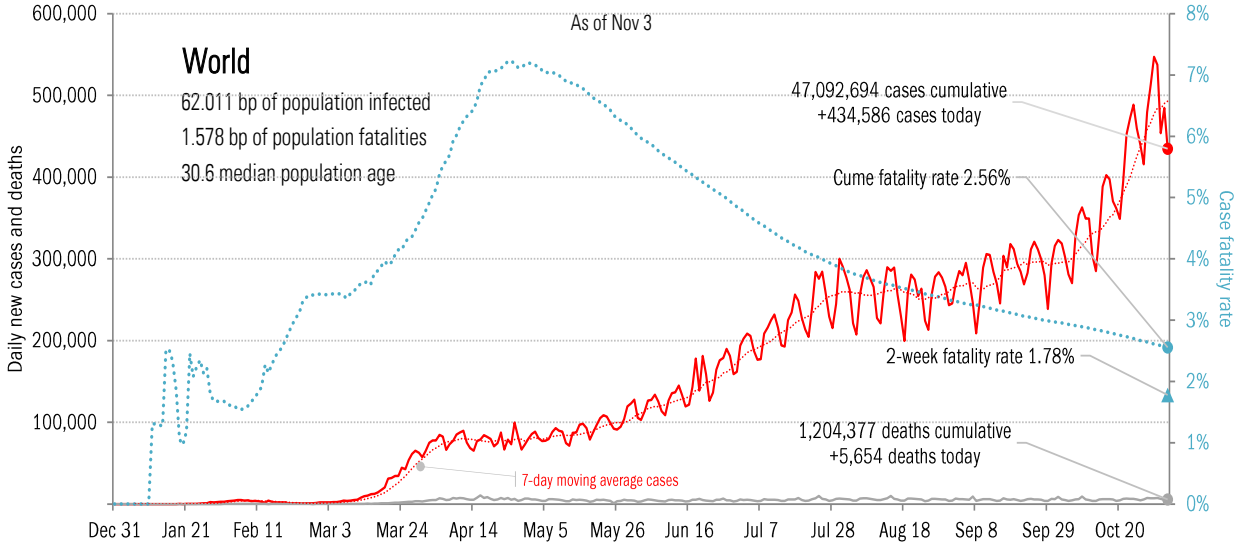
Tuesday, November 3, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+83,883	US	+555
France	+52,518	India	+490
India	+38,310	Argentina	+483
South_Sudan	+25,595	Iran	+440
Italy	+22,253	France	+416
Switzerland	+21,842	Russia	+238
#N/A	+18,950	Italy	+233
Russia	+18,257	Czechia	+225
Poland	+15,578	Mexico	+205
Germany	+15,352	Brazil	+179
	+312,538		+3,464
World	+434,586	World	+5,654
Top ten	72%	Top ten	61%





Source: ECDC, TrendMacro calculations

For more information contact us:
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The US scorecard

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

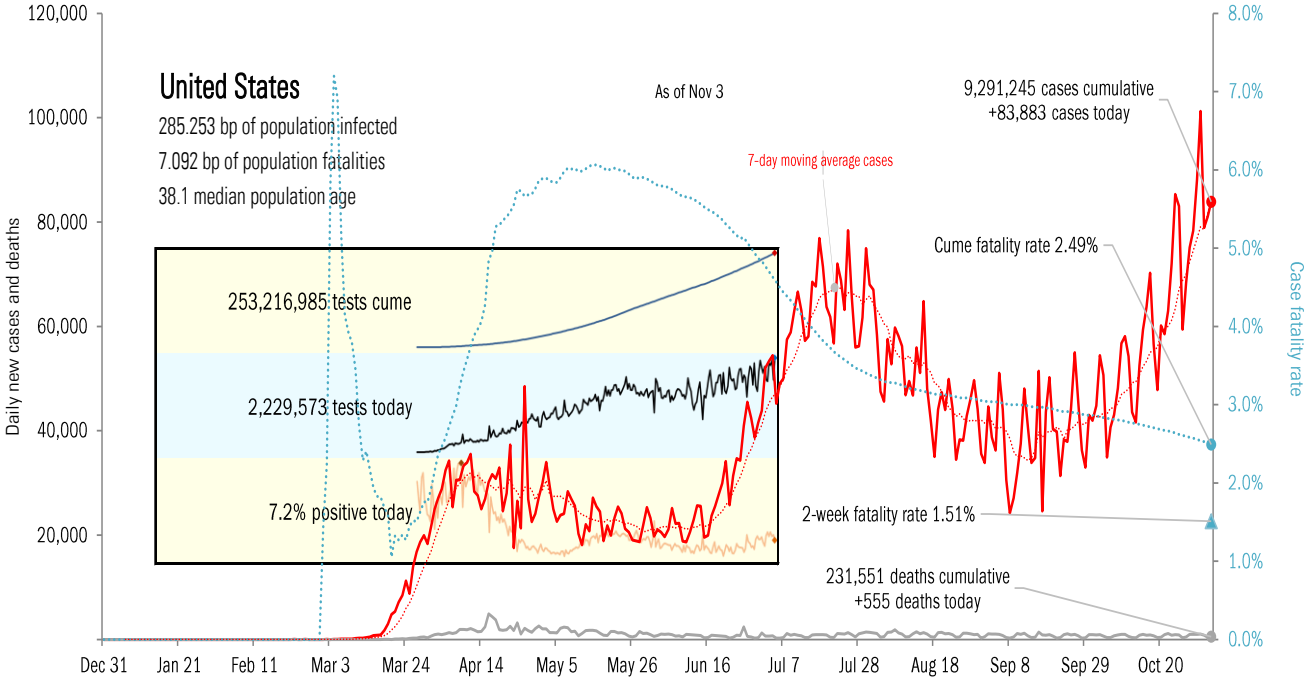
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
MI	+6,920	AR	+60	MI	+238	CA	930,628	NY	25,838	NY	89,995
IL	+6,222	FL	+46	OH	+135	TX	909,257	TX	18,097	FL	50,063
FL	+4,569	OH	+37	FL	+104	FL	801,371	CA	17,672	NJ	37,738
TX	+4,402	IN	+26	NV	+93	NY	511,368	FL	17,043	GA	31,735
CA	+4,094	TN	+26	PA	+85	IL	429,761	NJ	16,357	AZ	21,573
KS	+4,046	IA	+24	TX	+79	GA	362,921	IL	10,093	VA	21,155
WI	+3,505	TX	+20	IL	+77	NC	278,028	MA	10,023	AL	20,450
TN	+3,161	GA	+18	CA	+48	TN	264,587	PA	8,823	OH	19,402
IN	+3,077	IL	+18	AZ	+43	AZ	248,139	GA	7,999	MD	17,252
MN	+2,948	KS	+17	MN	+36	WI	244,928	MI	7,716	IN	17,155
	+42,944		+292		+938		4,980,988		139,661		326,518
All states	+82,895	All states	+476	All states	+950	All states	9,235,299	All states	223,186	All states	477,730
Top ten	52%	Top ten	61%	Top ten	99%	Top ten	54%	Top ten	63%	Top ten	68%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
AZ	-861	CA	-36	KS	-139	AR	+7
IA	-807	TX	-33	MA	-134	KS	+5
SD	-806	WI	-15	IA	-88	AK	+0
LA	-796	MS	-14	MO	-65	AL	+0
AL	-793	MA	-12	NE	-27	AS	+0



Source: States and test data Covid Tracking Project, US data ECDC, TrendMacro calculations

Recommended reading

[Treatment with Zinc is Associated with Reduced In-Hospital Mortality Among COVID-19 Patients: A Multi-Center Cohort Study]
Jennifer A. Frontera et al.
BMC Infectious Diseases
October 26, 2020

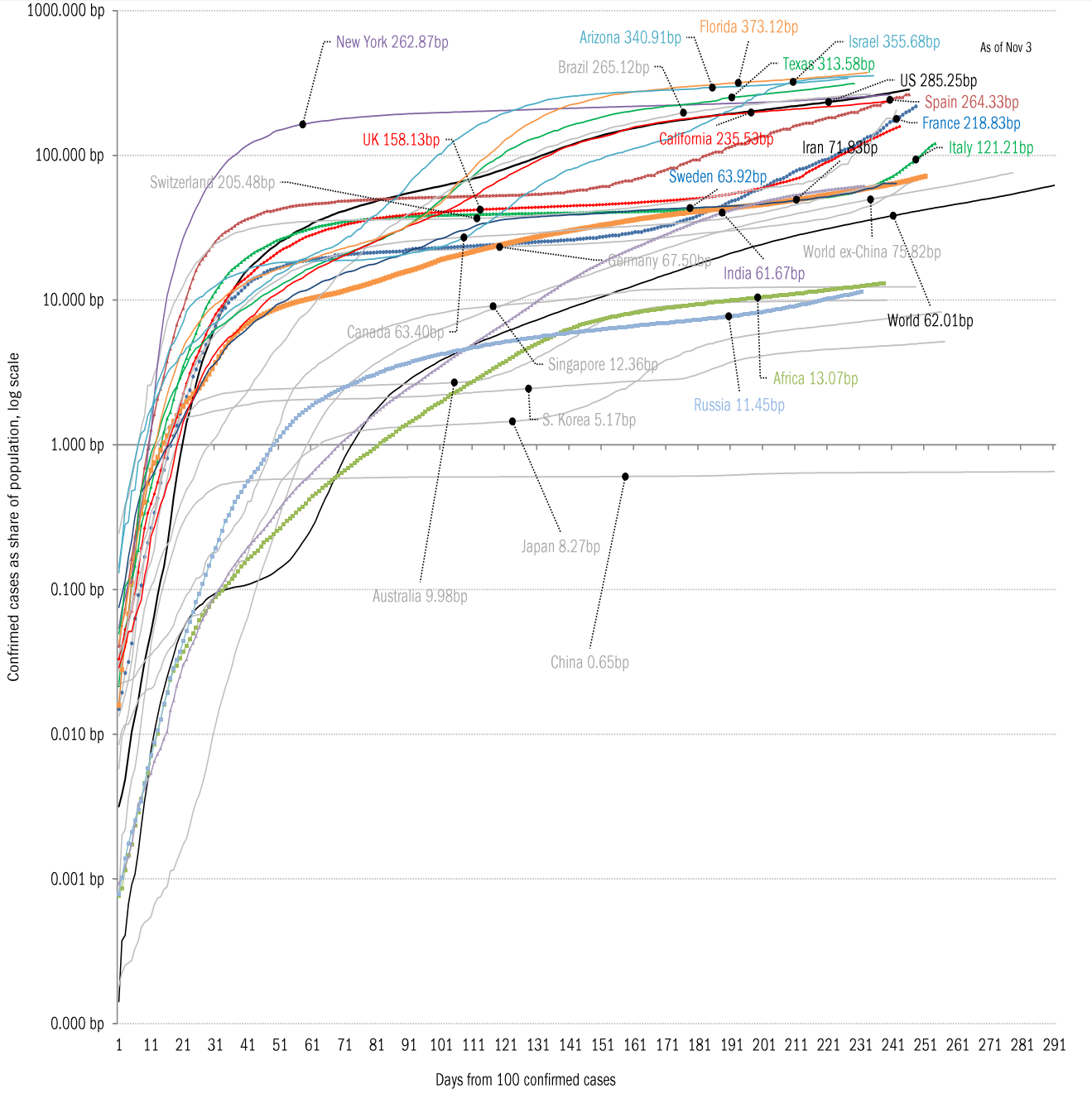
[COVID-19 Artificial Intelligence Diagnosis using only Cough Recordings]
Jordi Laguarta et al.
IEEE Open Journal of Engineering in Medicine and Biology
September 30, 2020

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

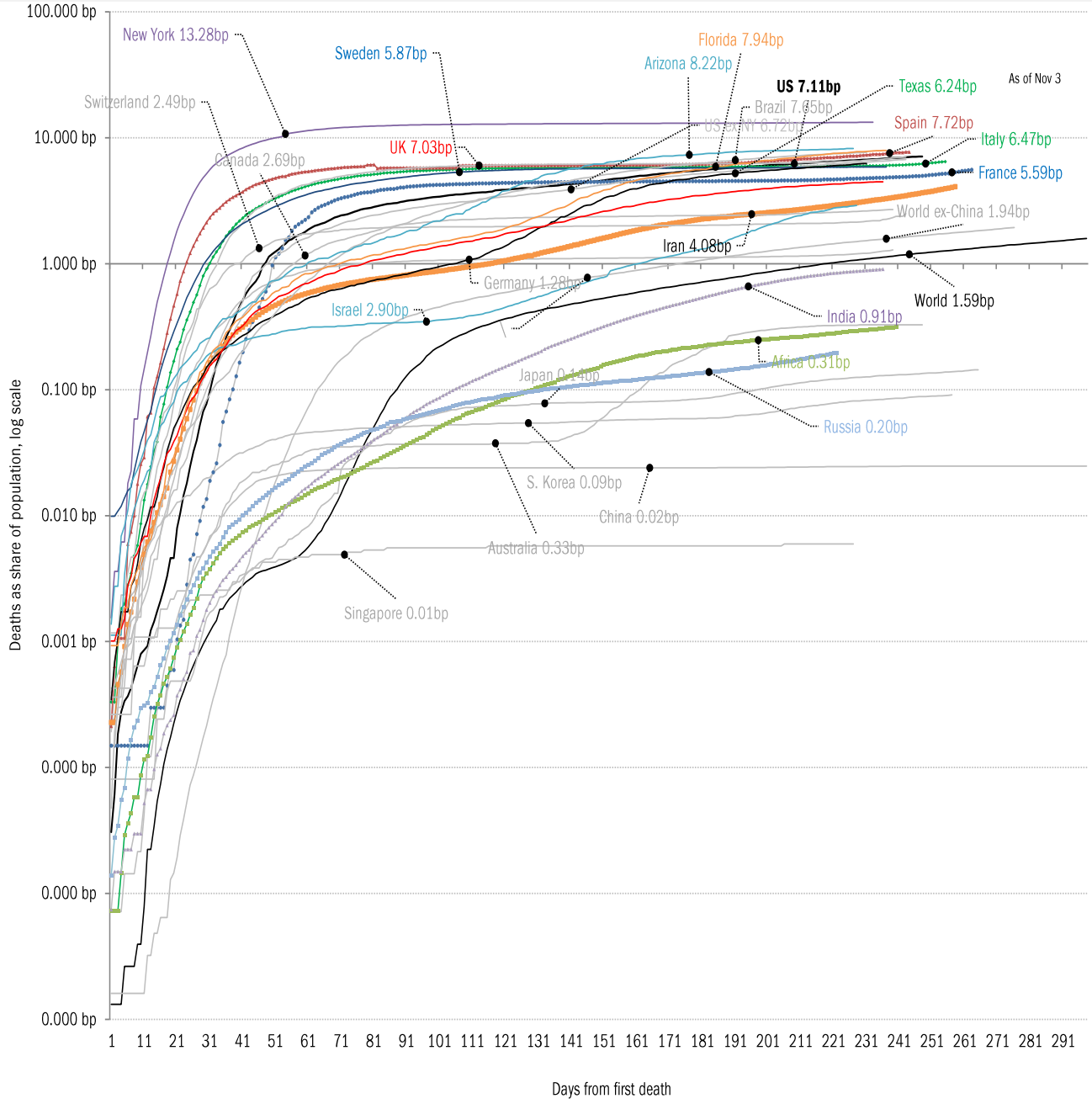
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

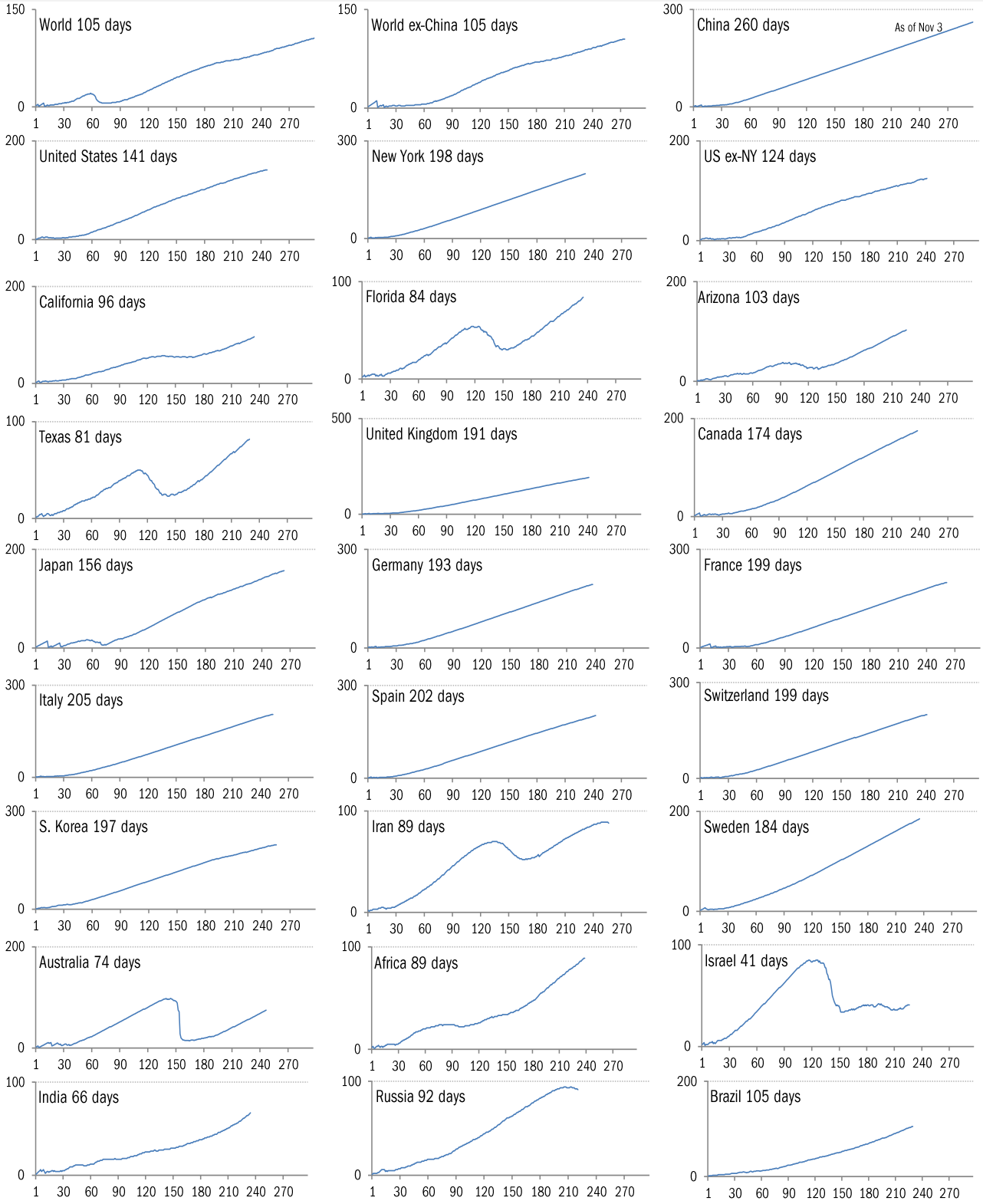


Source: ECDC, TrendMacro calculations

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

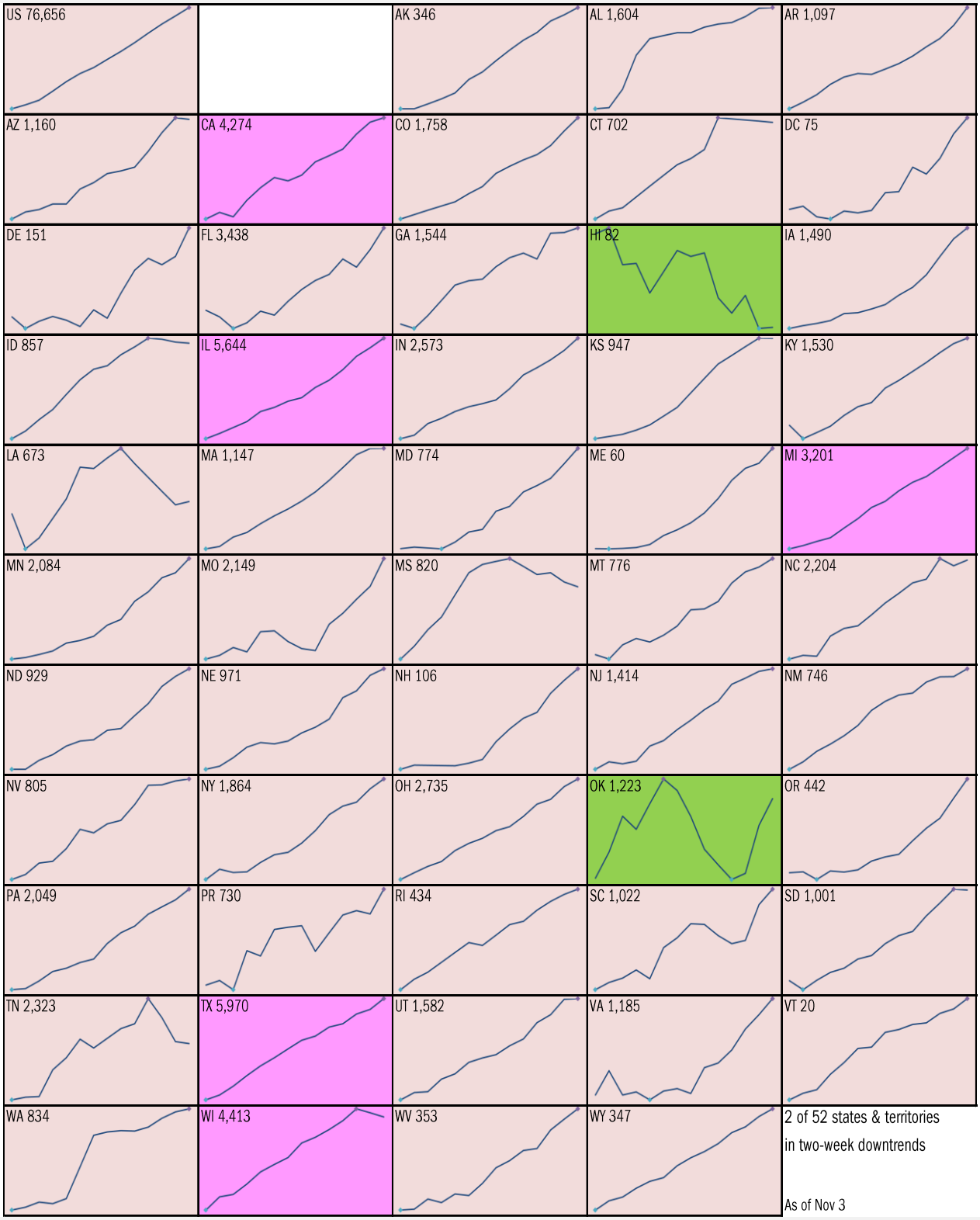


Source: ECDC, TrendMacro calculations

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

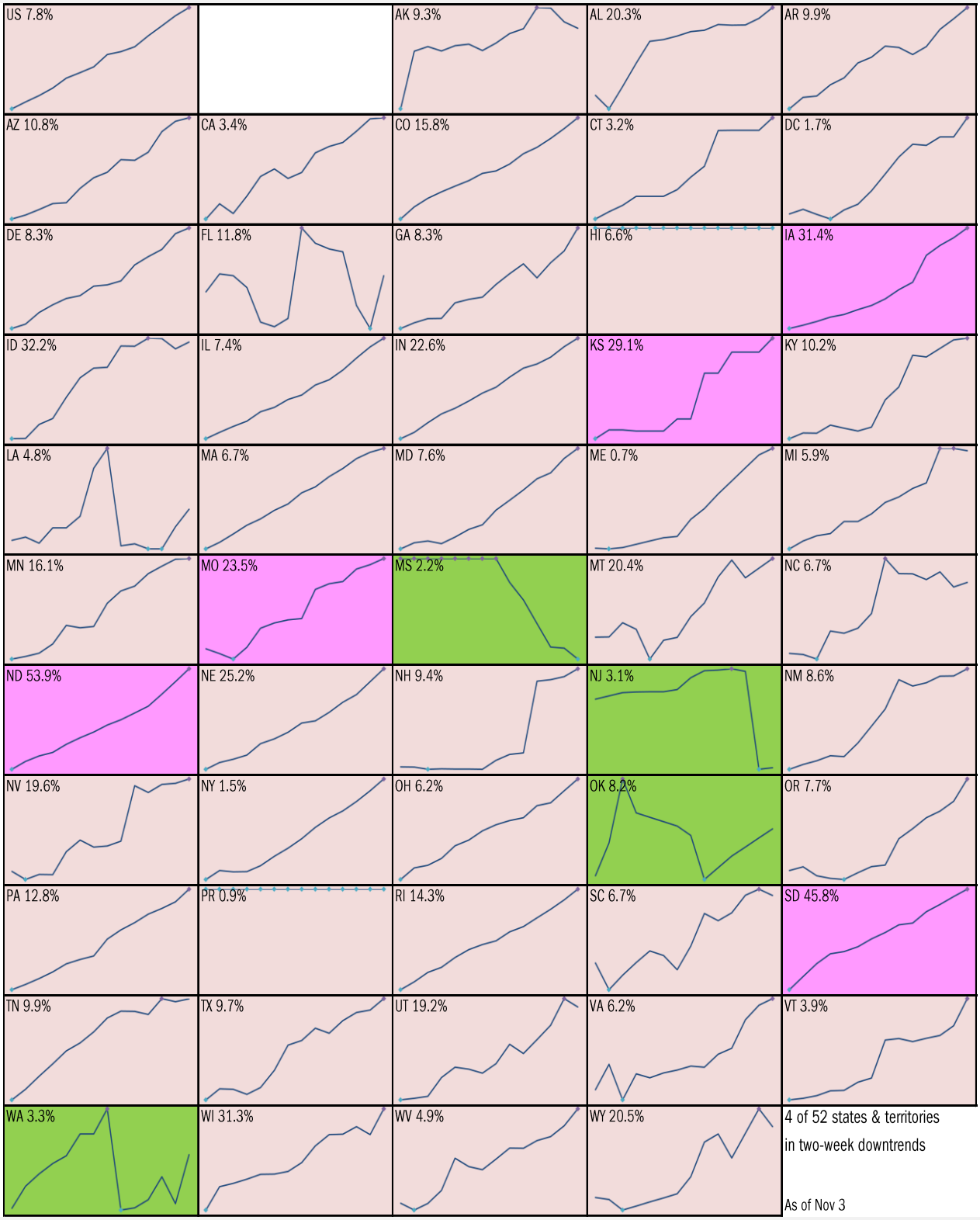


Source: Covid Tracking Project, TrendMacro calculations

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

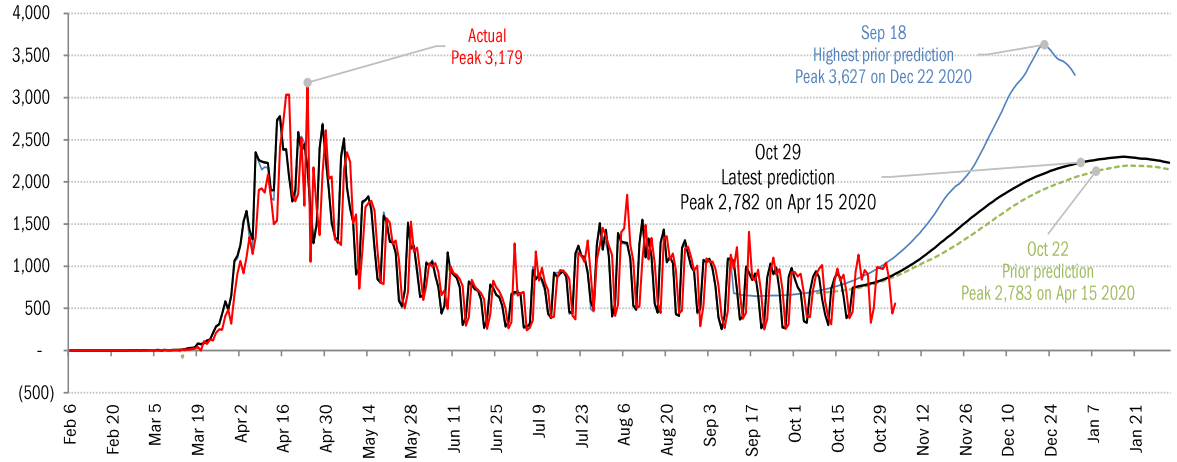


Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

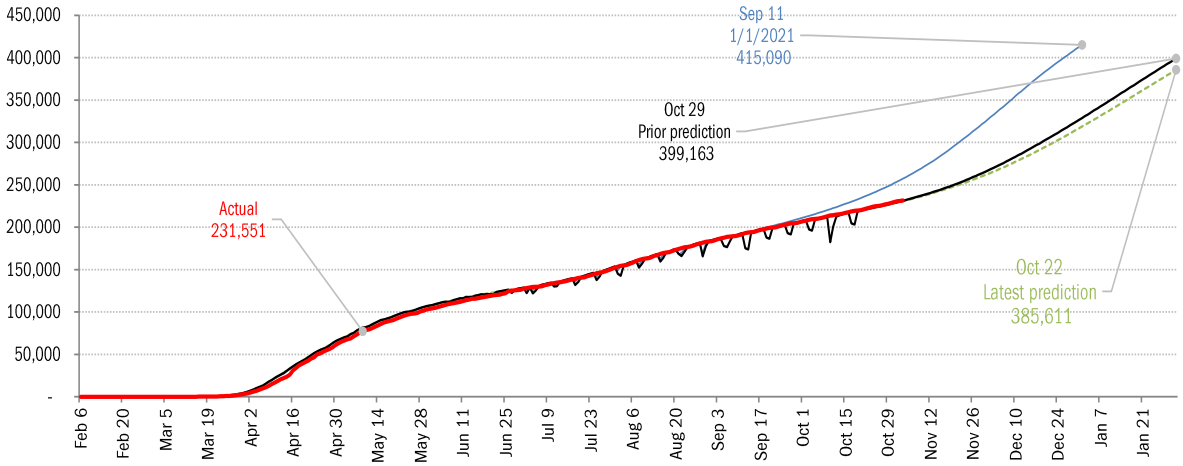
New daily fatalities As of Nov 3

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

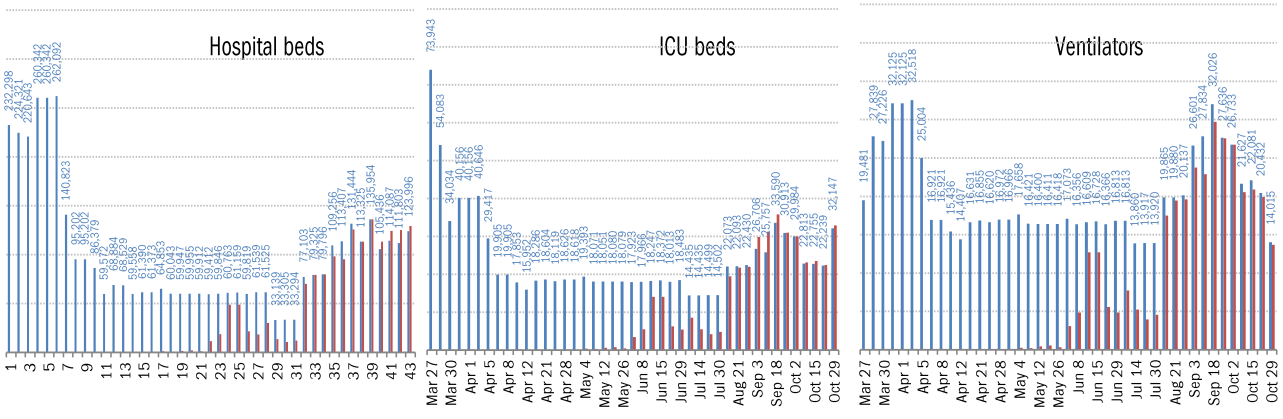


Cumulative fatalities

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

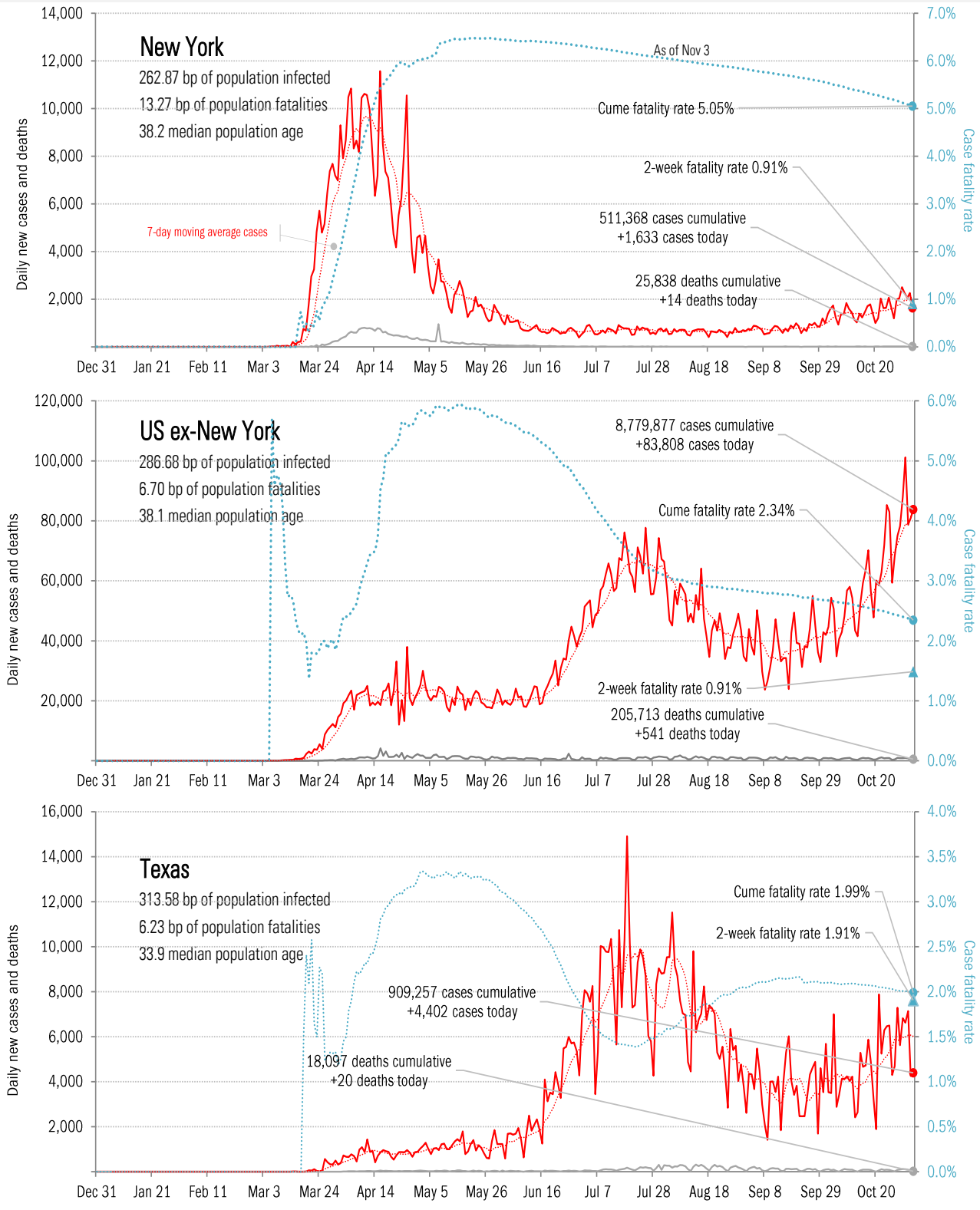


Healthcare system stress, peak and ultimate estimated at each model revision



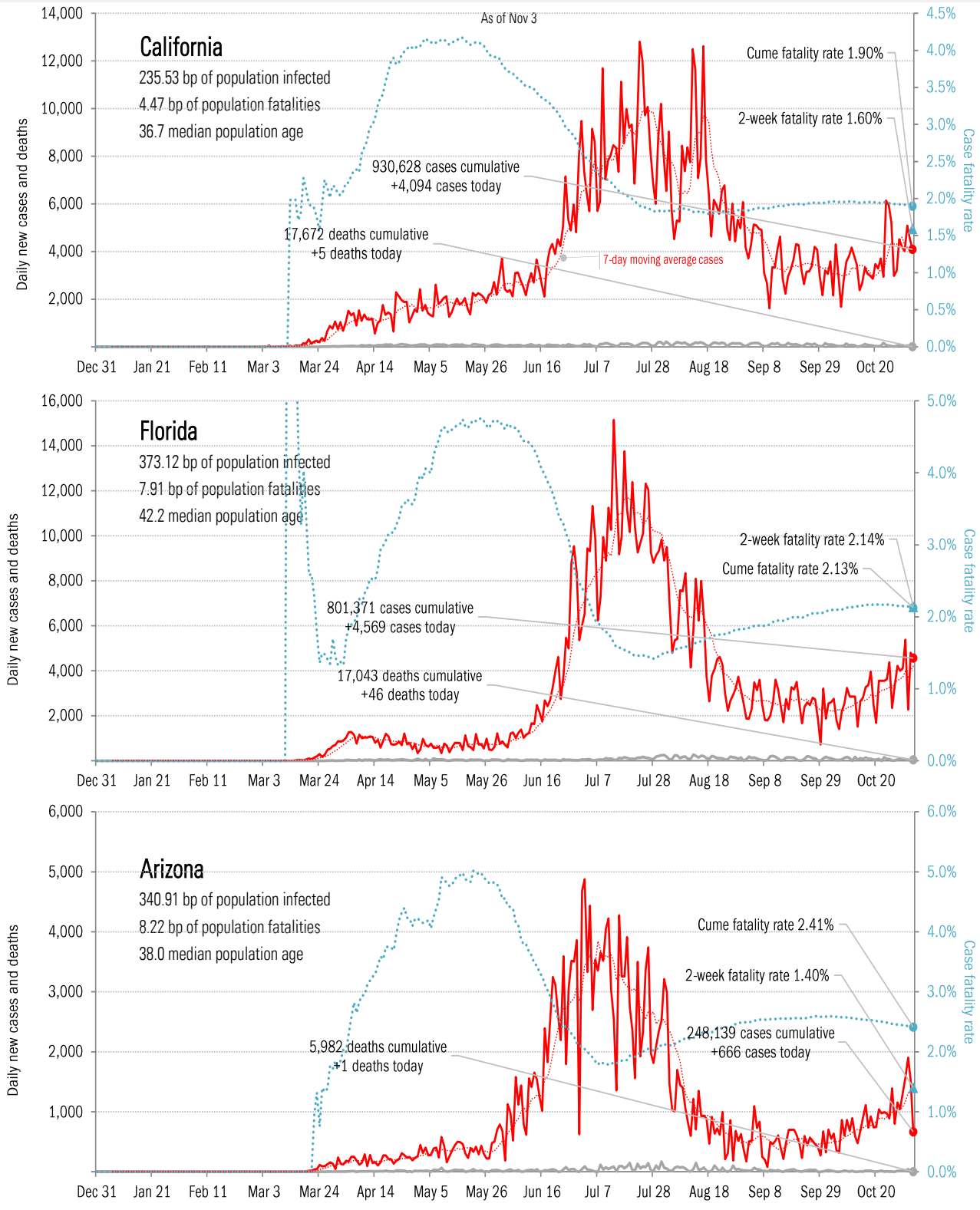
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



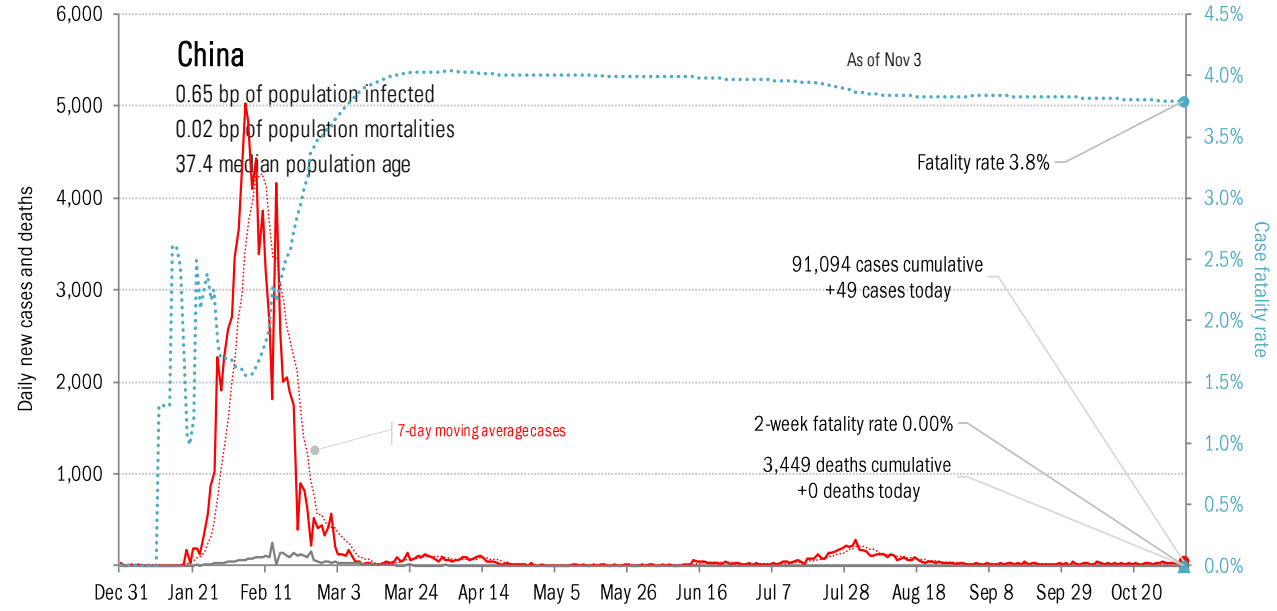
Source: ECDC, TrendMacro calculations

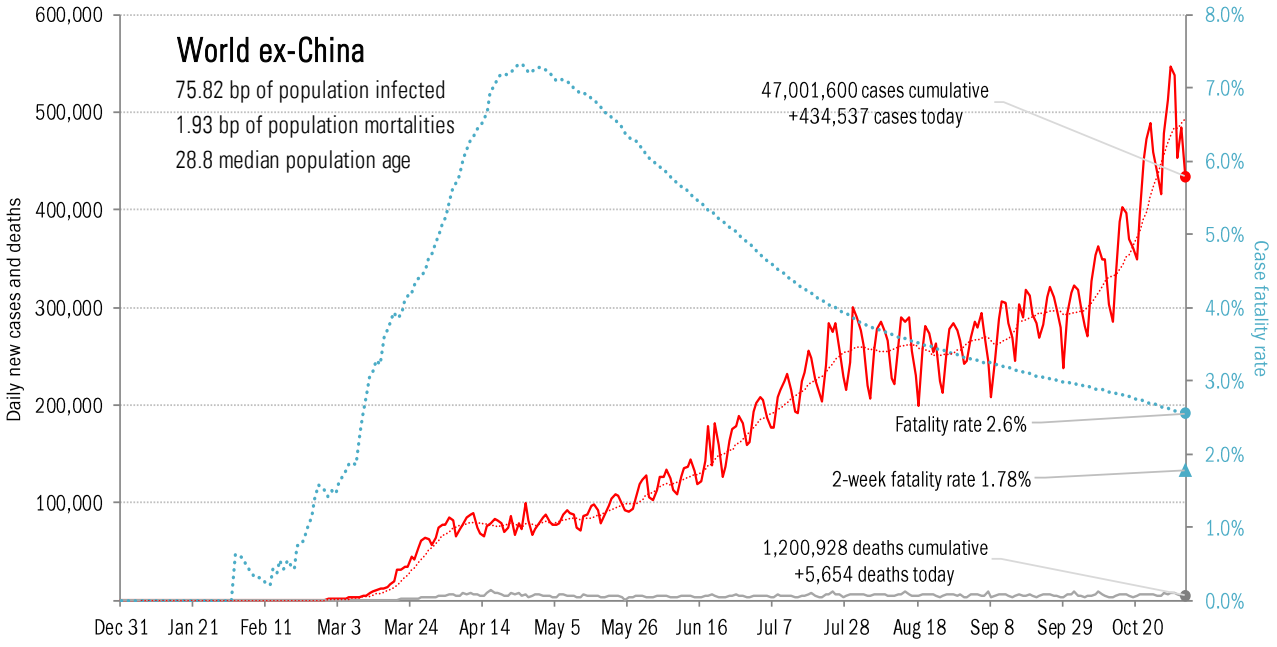
The sun-belt hot-spot states (other than Texas)



Source: ECDC, TrendMacro calculations

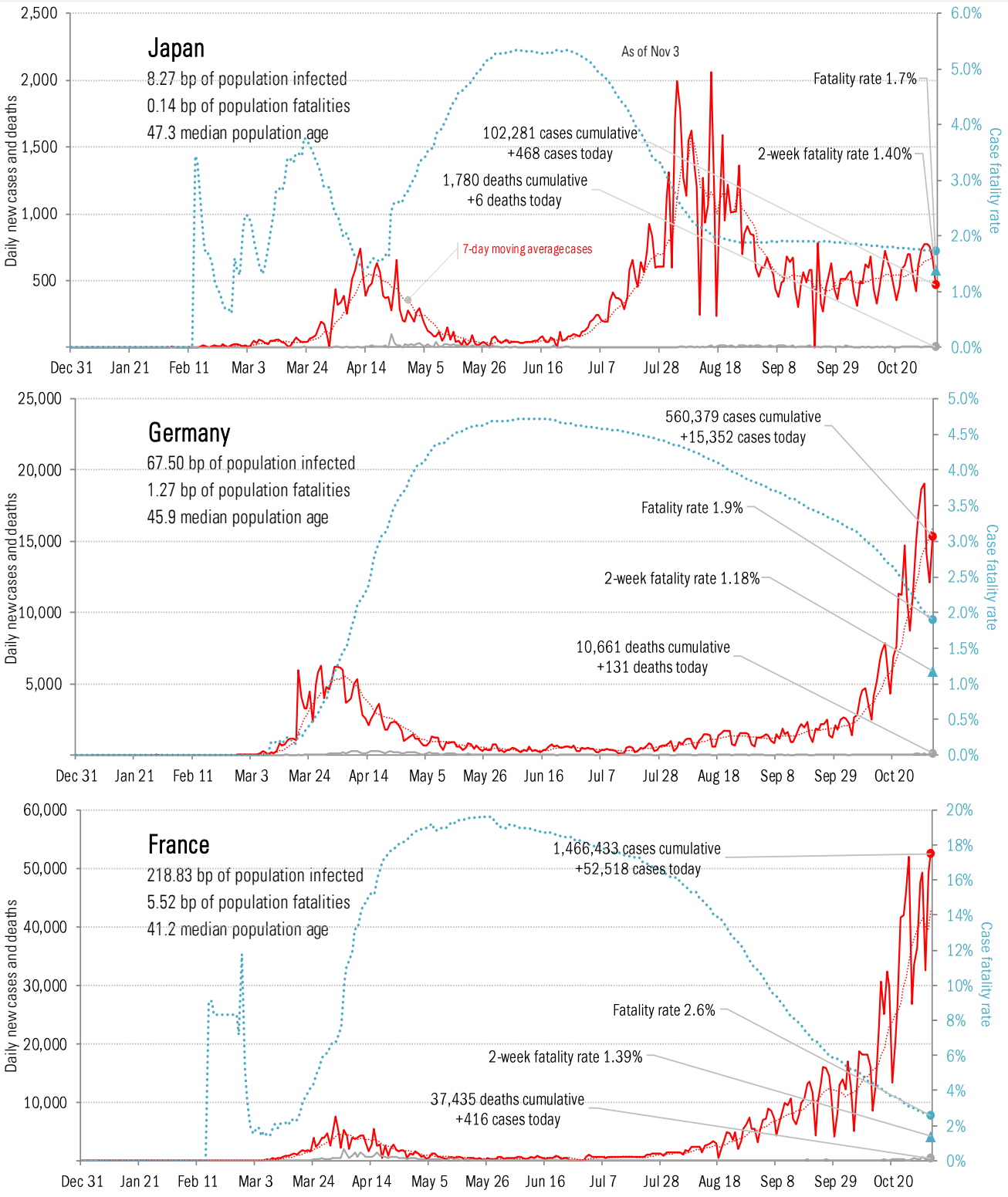
Patient zero… and then everyone else





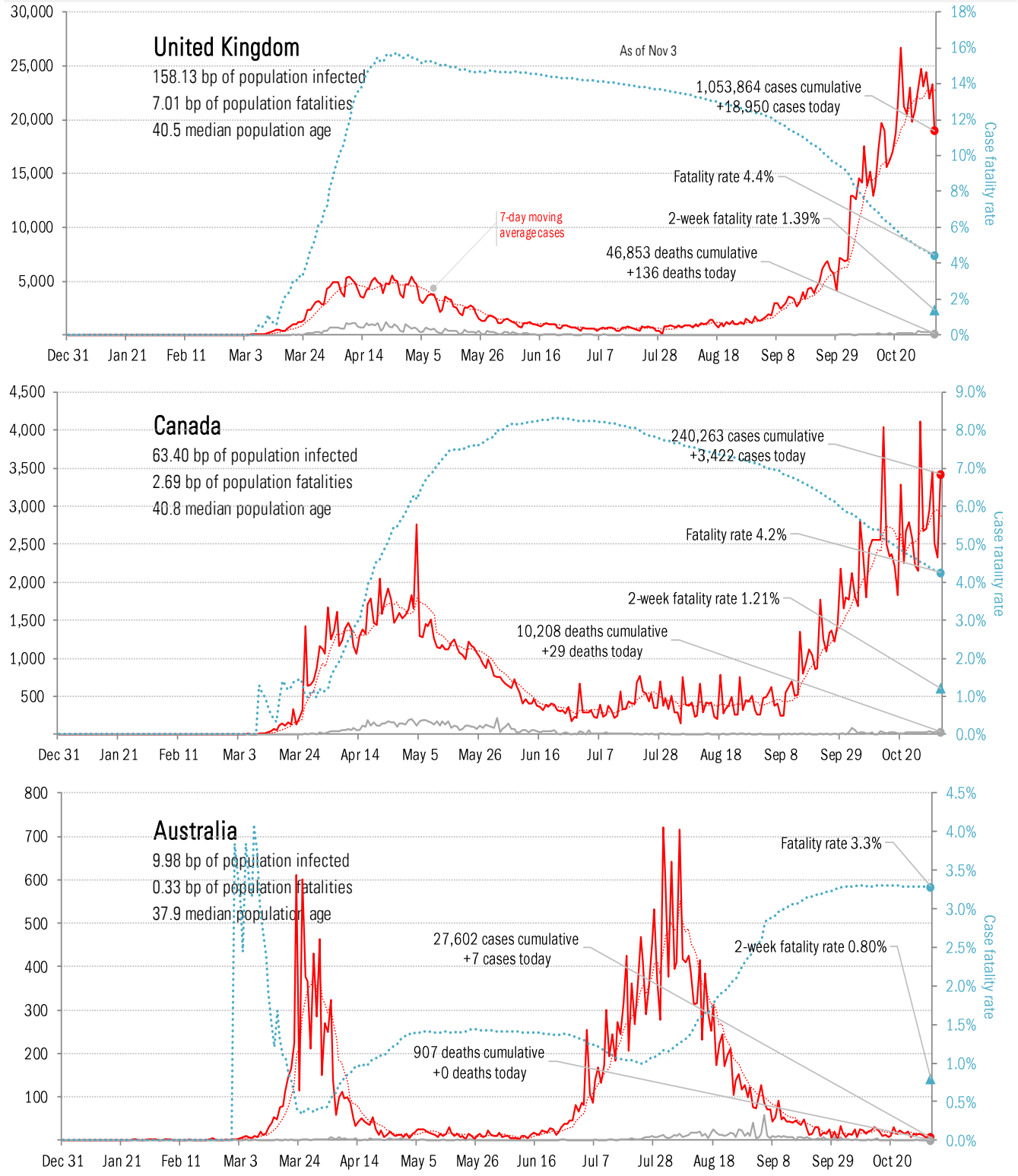
Source: ECDC, TrendMacro calculations

Impact in the largest economies



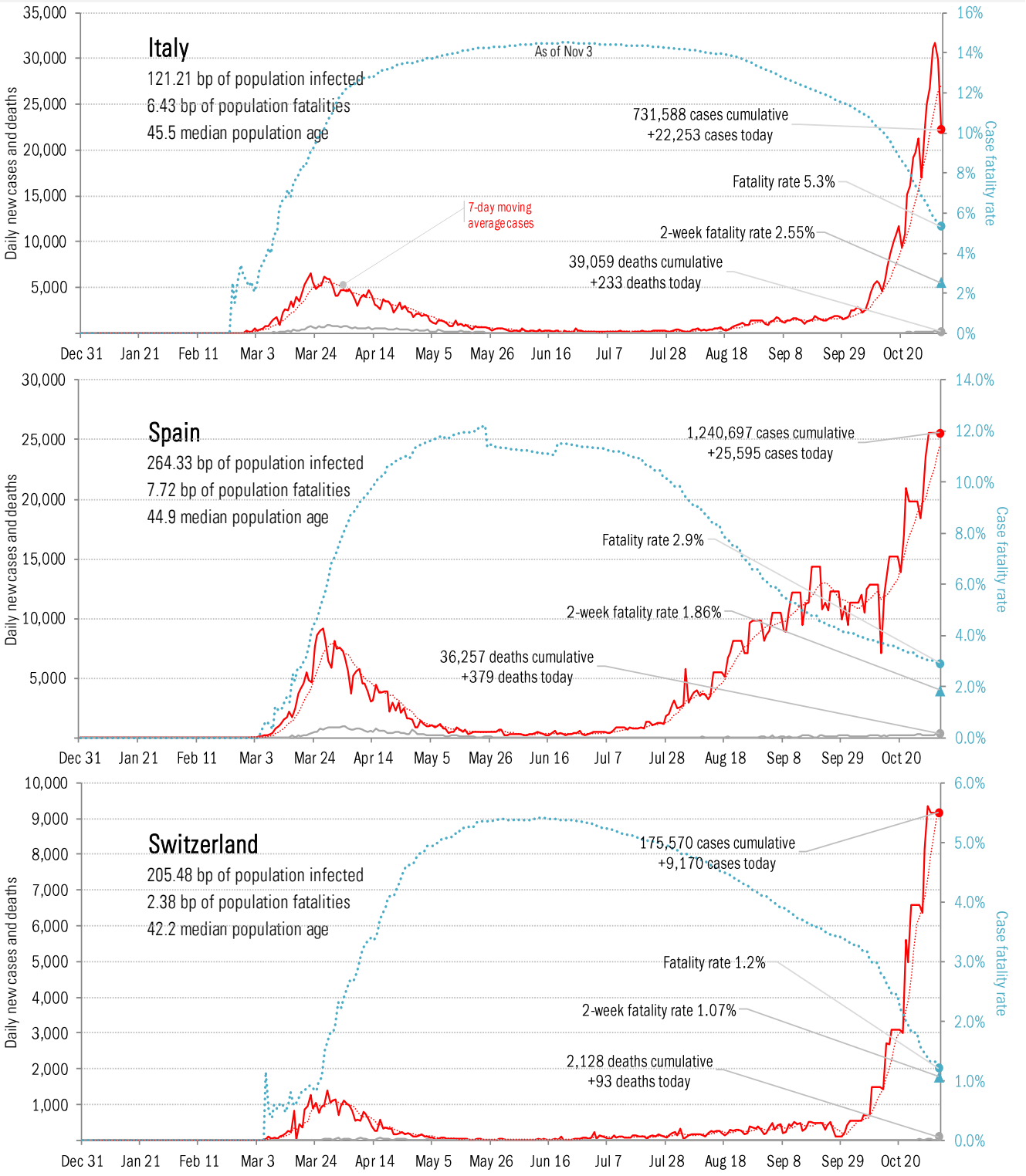
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



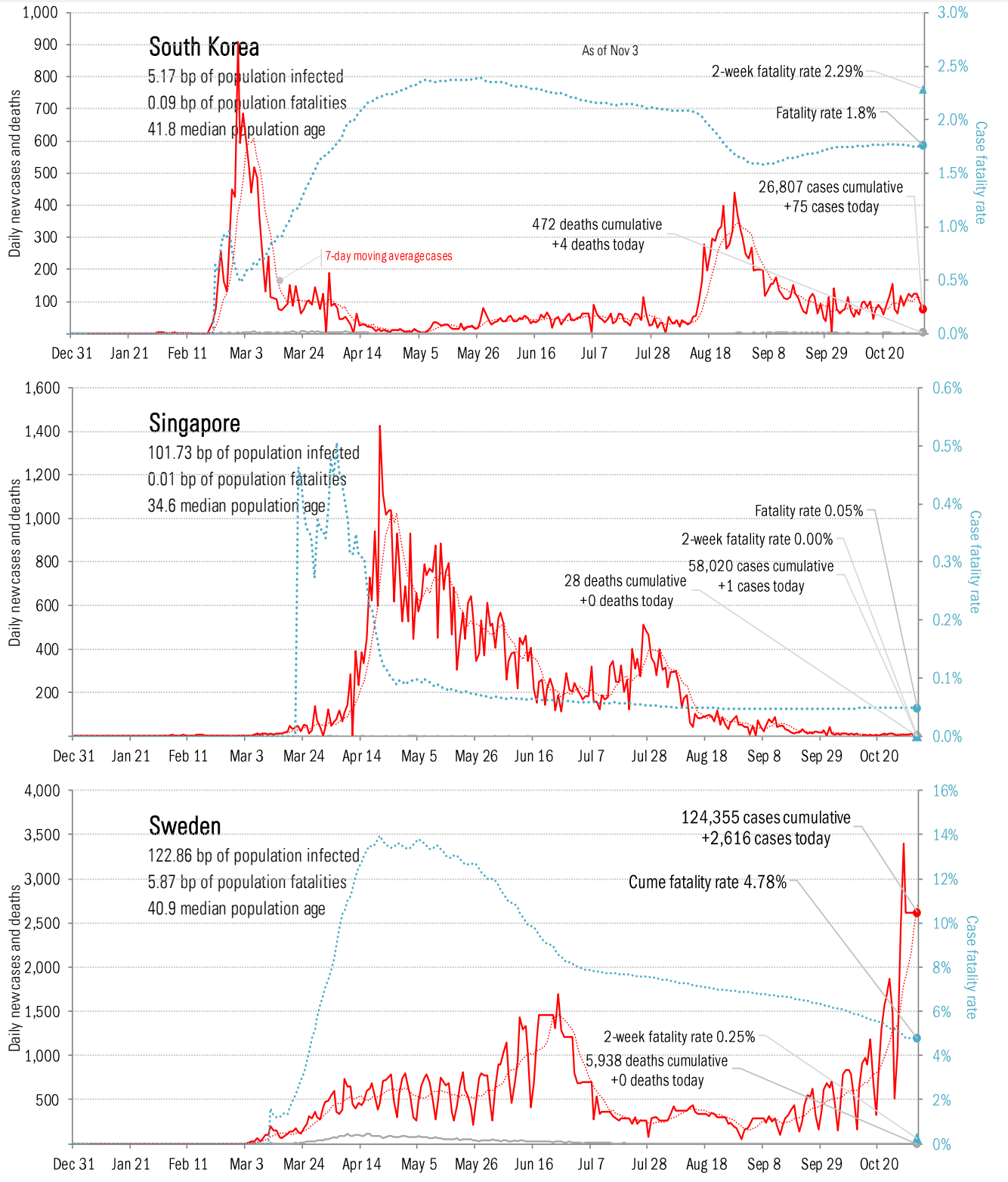
Source: ECDC, TrendMacro calculations

Impact in continental Europe



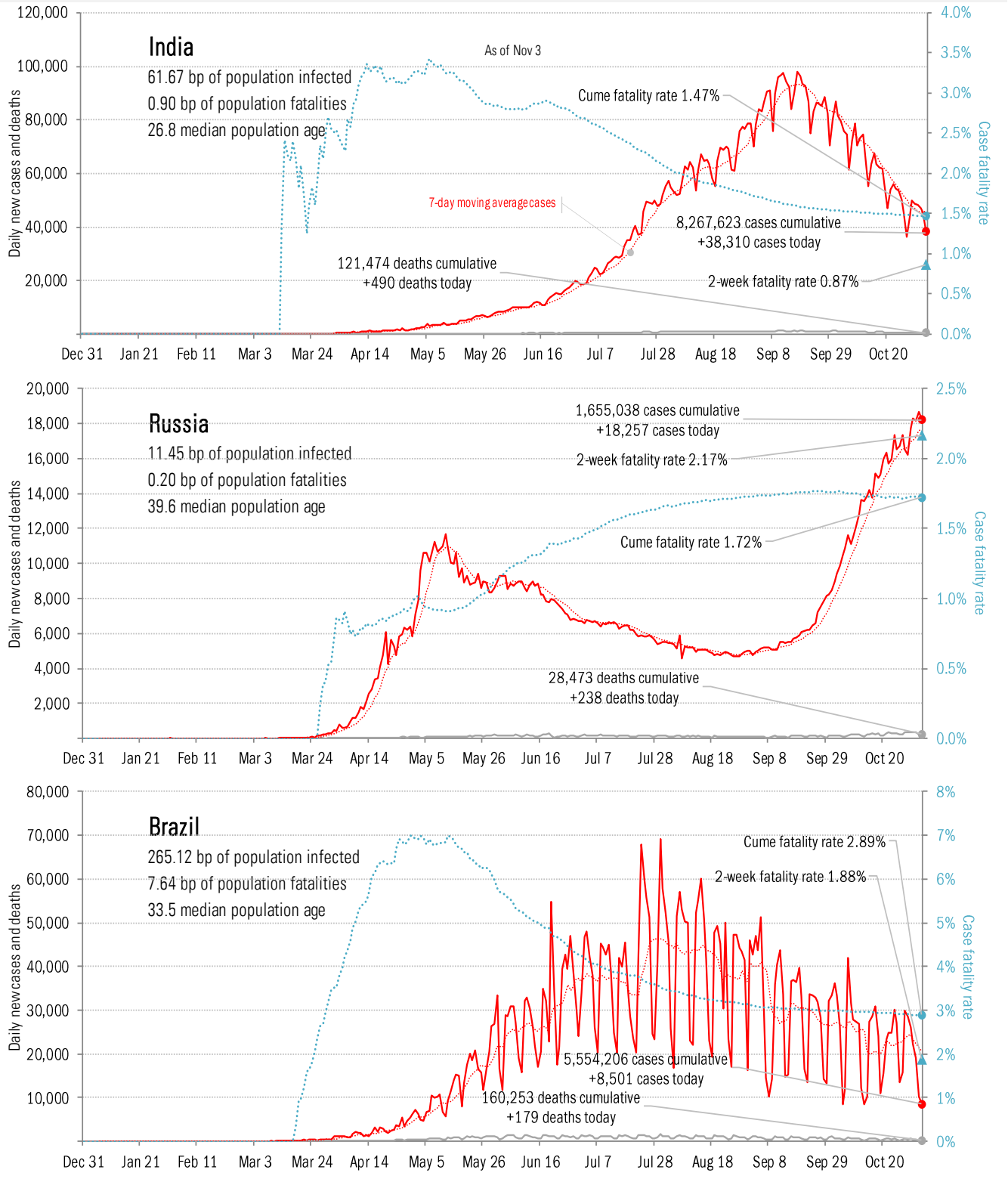
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



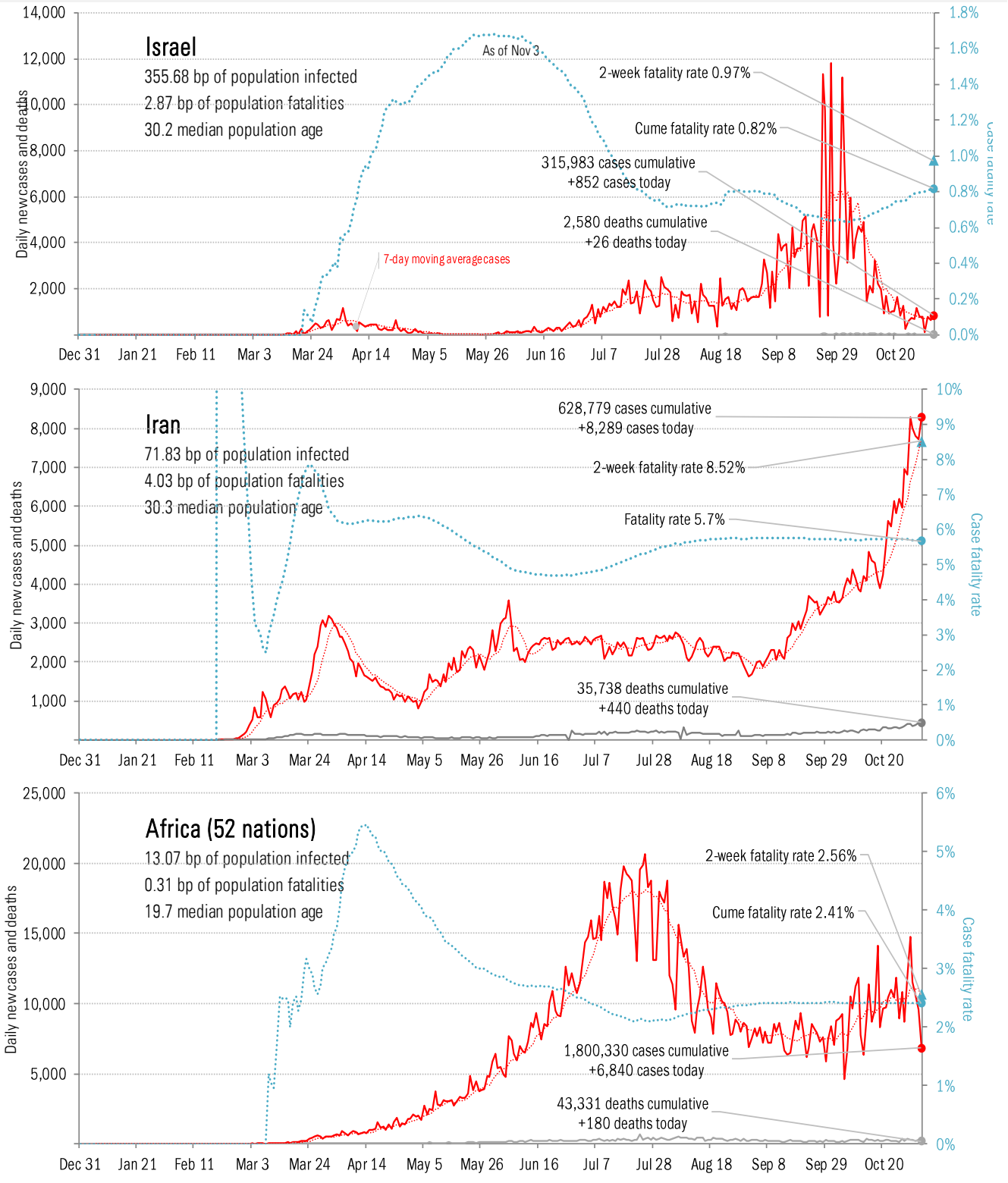
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations