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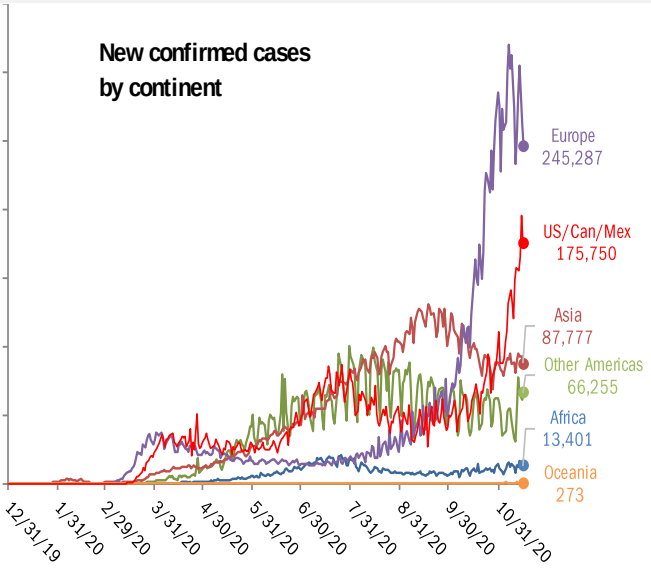
Data Insights: Covid-2019 Monitor

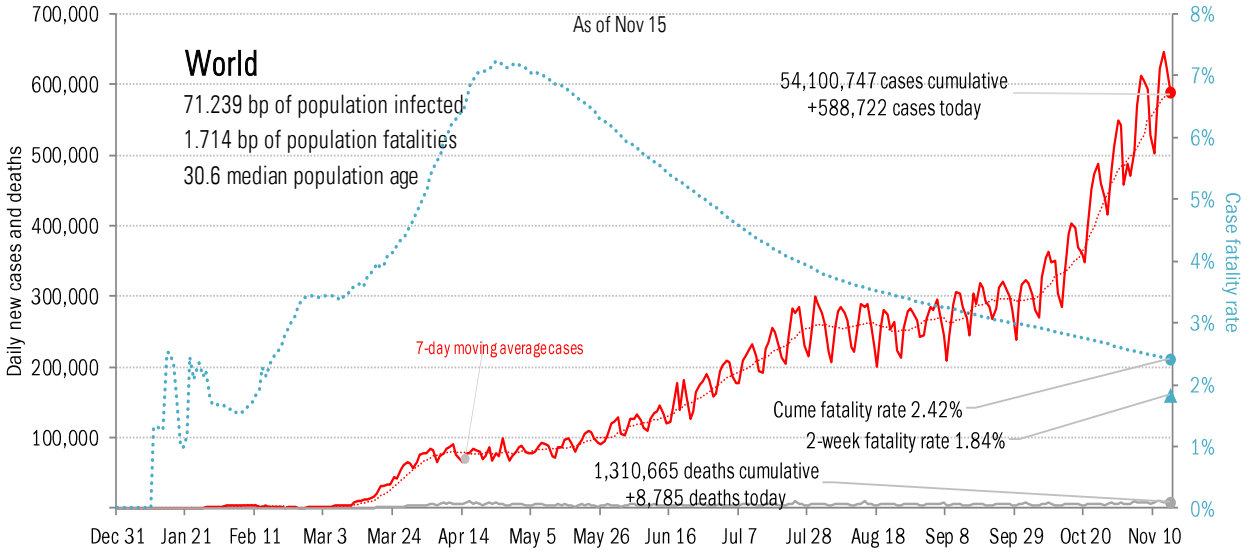
Sunday, November 15, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+165,277	US	+1,255
India	+41,100	Brazil	+921
Brazil	+38,307	Mexico	+635
Italy	+37,249	Poland	+546
France	+32,095	Italy	+544
UK	+26,860	UK	+462
Poland	+25,571	Iran	+452
Russia	+22,702	India	+447
Spain	+21,371	Russia	+391
Germany	+16,947	France	+354
	+427,479		+6,007
World	+588,722	World	+8,785
Top ten	73%	Top ten	68%





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

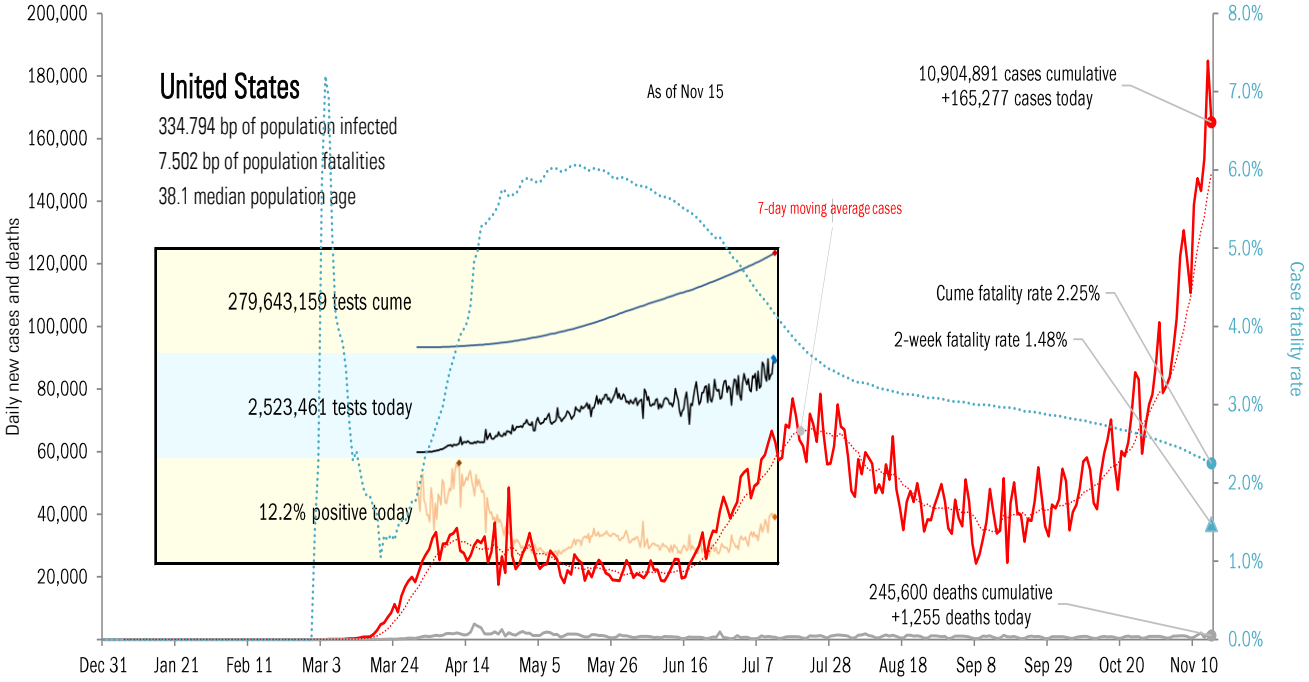
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
IL	+11,028	IL	+197	OH	+123	TX	1,014,160	NY	26,103	NY	89,995
CA	+9,875	TX	+150	MO	+119	CA	1,008,377	TX	19,470	FL	52,441
TX	+9,177	CA	+81	NJ	+91	FL	862,990	CA	18,218	NJ	38,936
MN	+8,689	MI	+68	AZ	+89	IL	562,985	FL	17,704	GA	33,216
IN	+8,322	WI	+56	IN	+86	NY	556,551	NJ	16,548	VA	23,504
OH	+7,715	SD	+53	CA	+74	GA	384,997	IL	11,088	AZ	22,937
MI	+7,430	GA	+51	TX	+68	WI	323,604	MA	10,293	AL	22,275
CO	+6,439	PA	+50	TN	+64	NC	309,118	PA	9,274	OH	22,076
MO	+6,346	FL	+45	PA	+60	TN	305,120	GA	8,956	IN	20,383
WI	+5,581	AZ	+43	WA	+58	OH	290,243	MI	8,376	MD	18,458
	+80,602		+794		+832		5,618,145		146,030		344,221
All states	+163,473	All states	+1,321	All states	+939	All states	10,752,101	All states	236,953	All states	514,877
Top ten	49%	Top ten	60%	Top ten	89%	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	
KS	-6,282	MI	-55	NC	-142	TX	+10,557
IL	-4,387	KS	-41	MN	-95	MI	+9,881
LA	-3,450	TN	-39	TX	-90	WI	+5,701
WI	-2,870	CO	-33	OK	-63	MN	+5,478
CT	-2,746	FL	-29	CA	-62	OH	+3,041



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

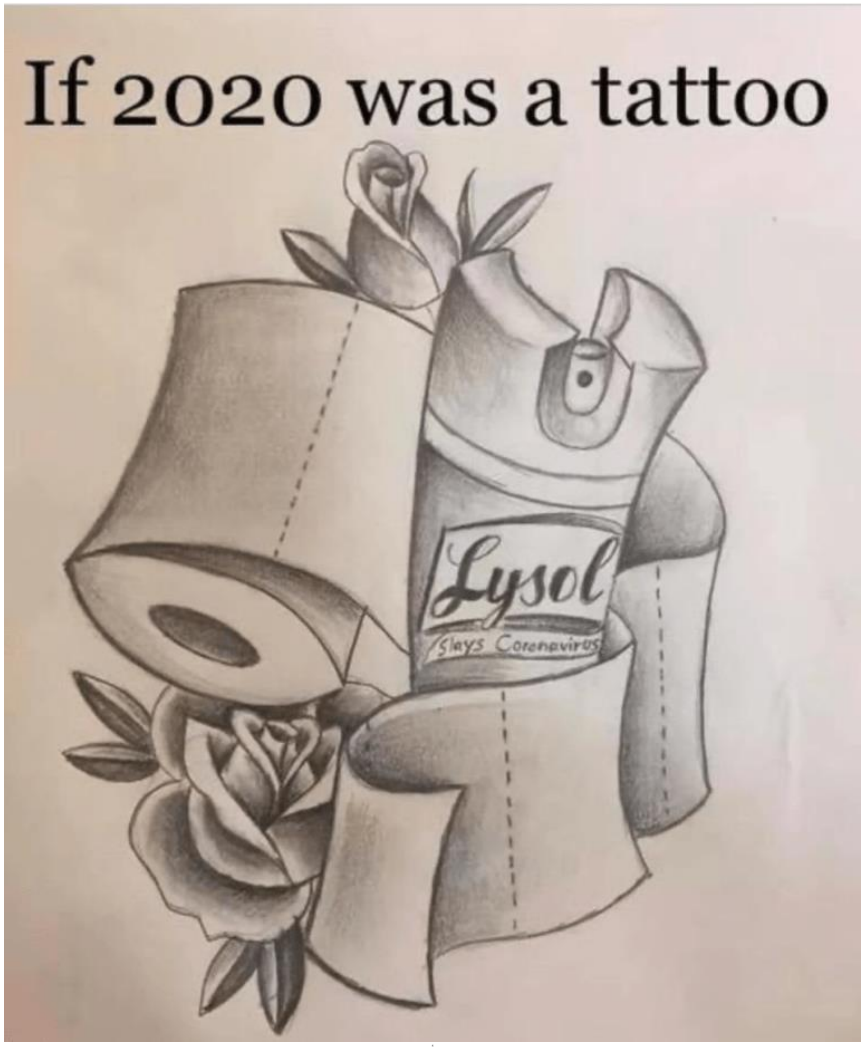
Recommended reading

[Americans Less Amenable to Another COVID-19 Lockdown]
Lydia Saad
Gallup
November 11, 2020

[Top 50 Richest Places In America Allocated $350 Million Coronavirus Bailout Within HEROES Act]
Adam Andrzejewski
Open the Books
November 12, 2020

[N.Y.C. Schools May Close Again, a Grim Sign of a Global Dilemma]
Eliza Shapiro
New York Times
November 12, 2020

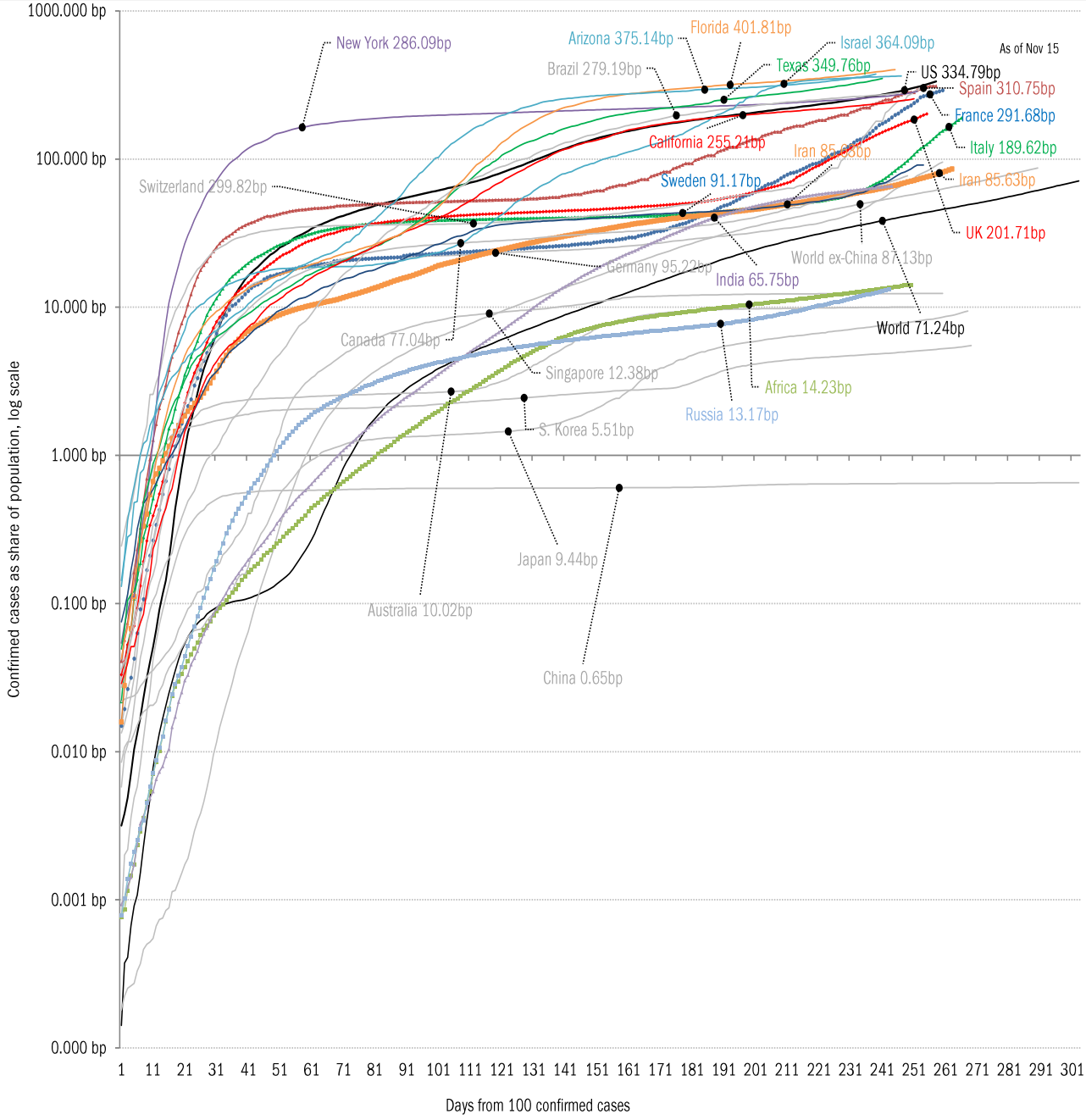
Meme of day



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

The coronavirus case accelerometer… tracking the world's infection curves

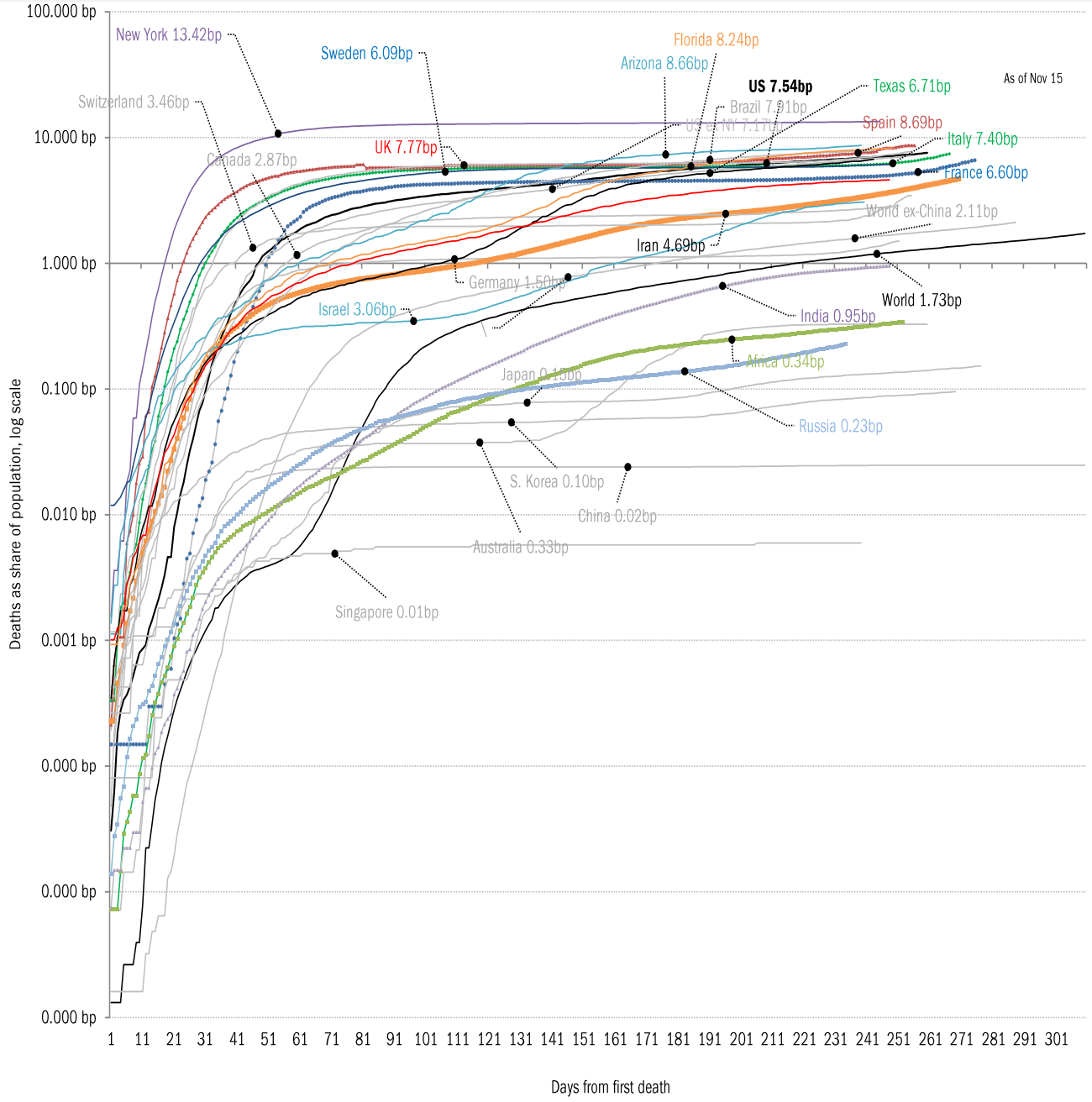
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

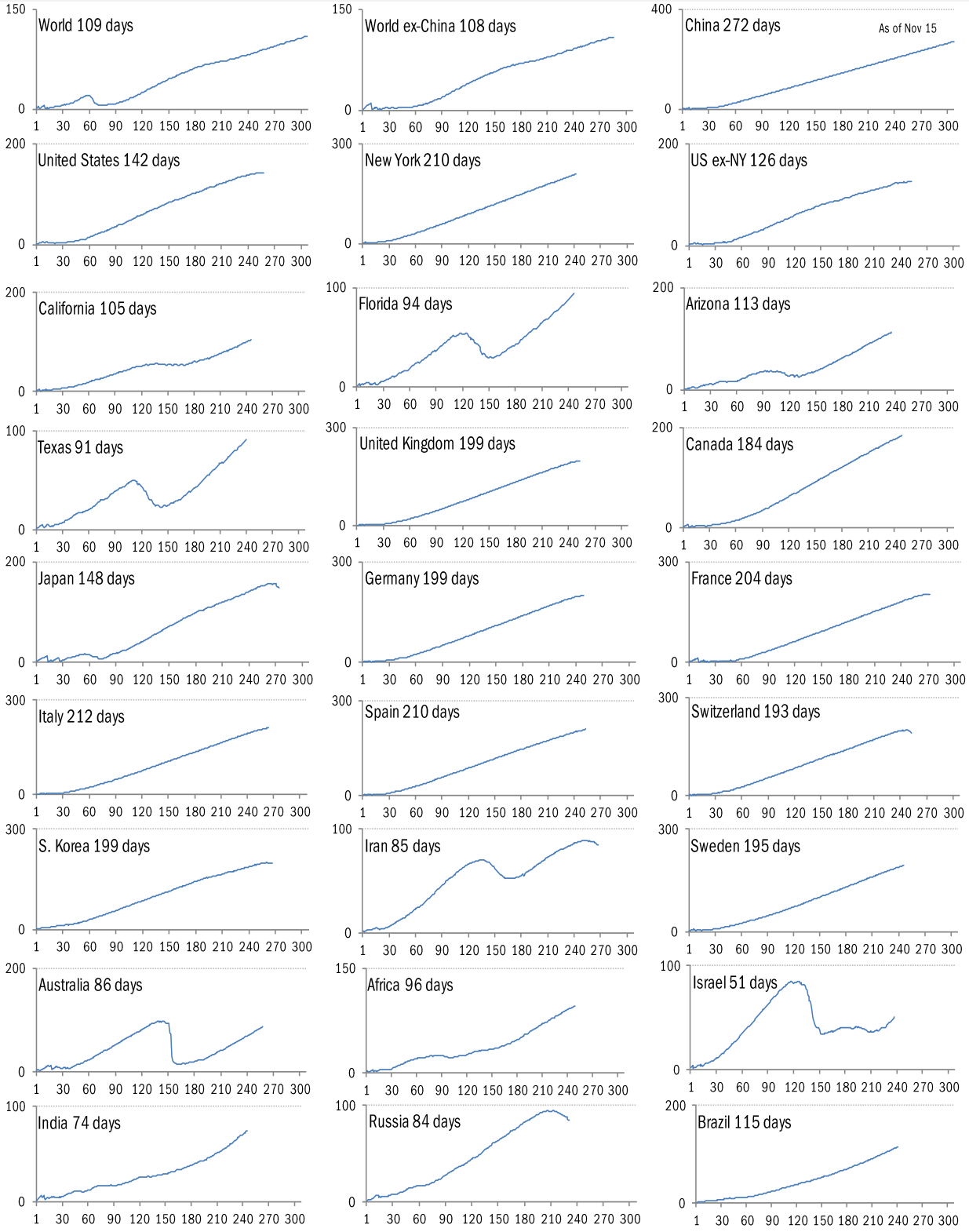


Source: ECDC, TrendMacro calculations

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

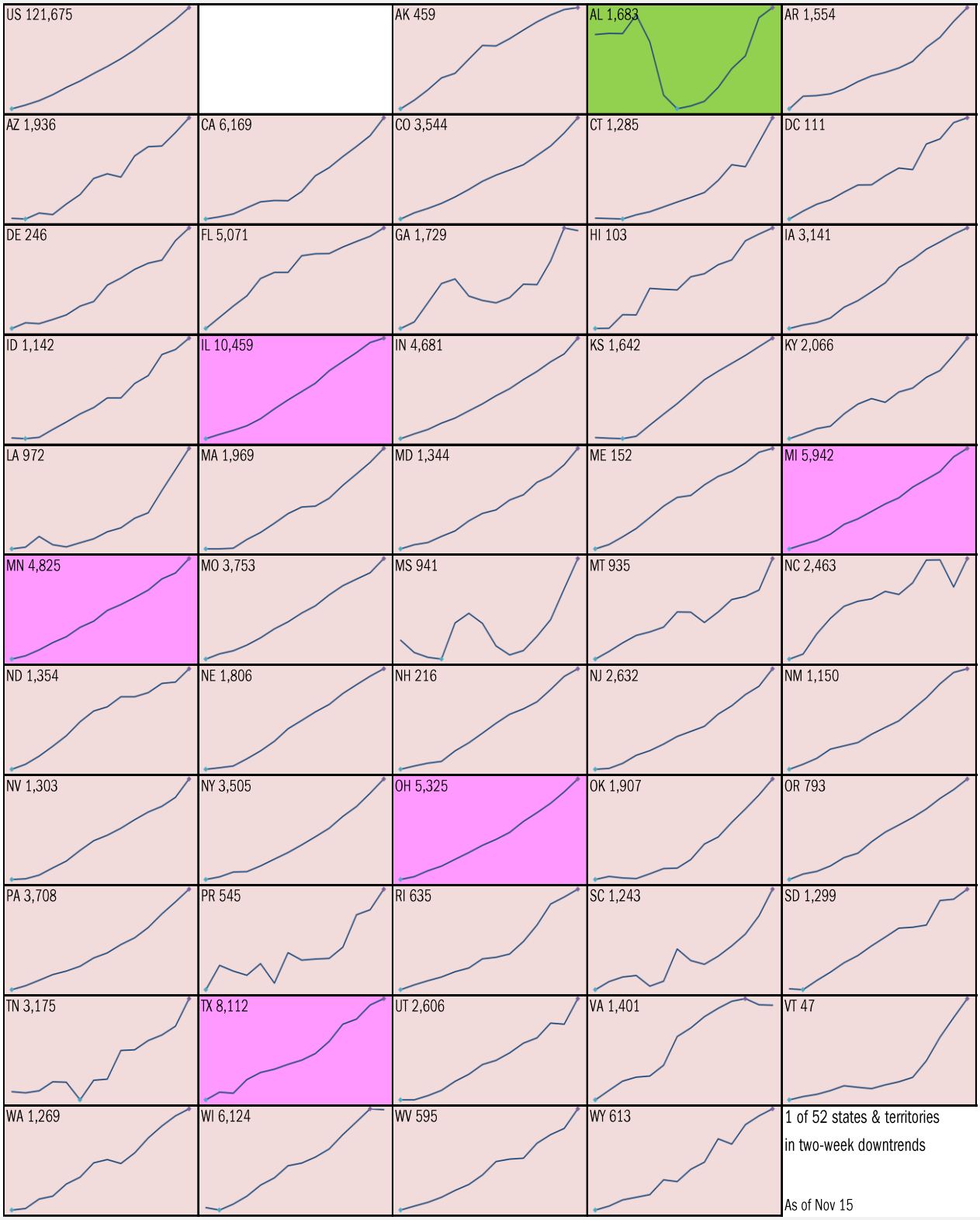


Source: ECDC, TrendMacro calculations

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

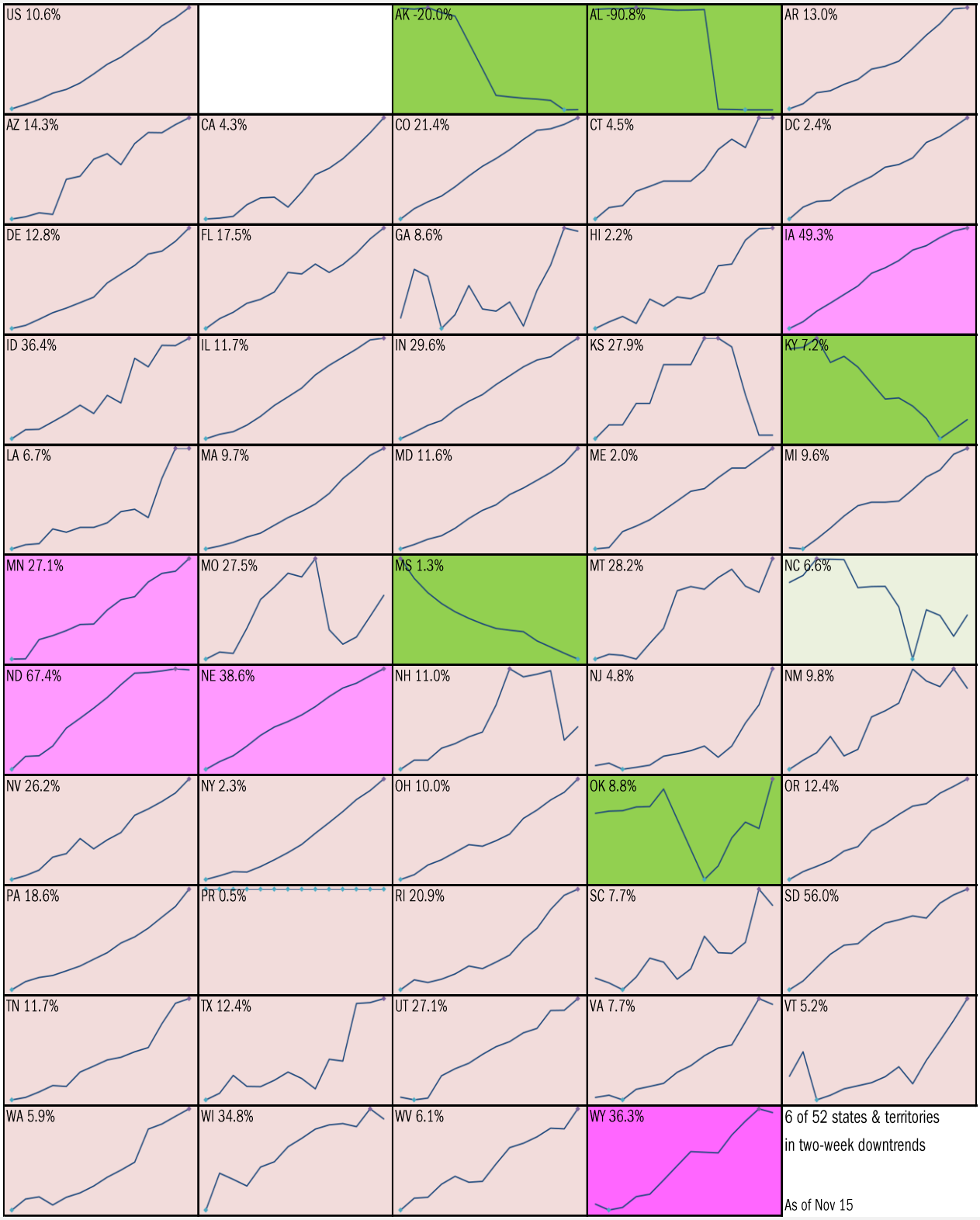


Source: Covid Tracking Project, TrendMacro calculations

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

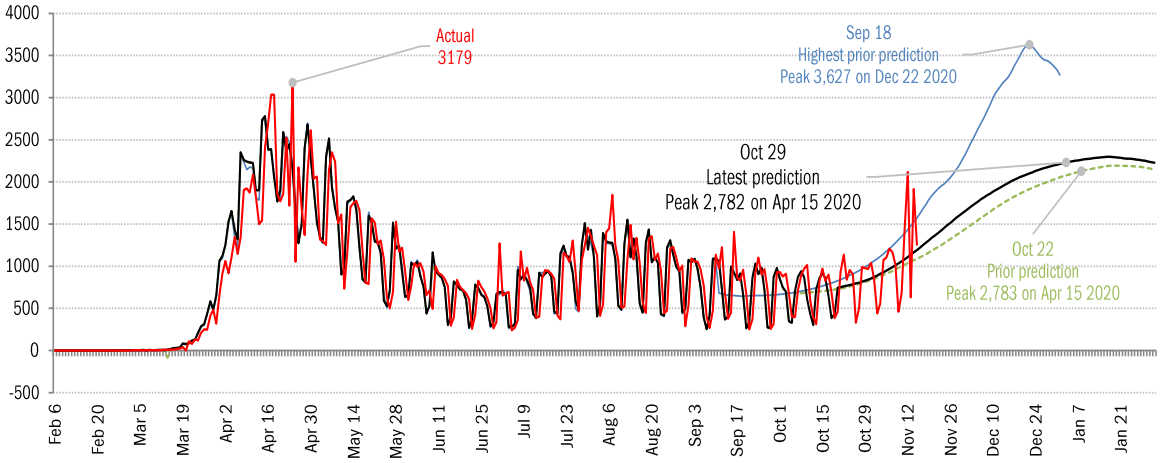


Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

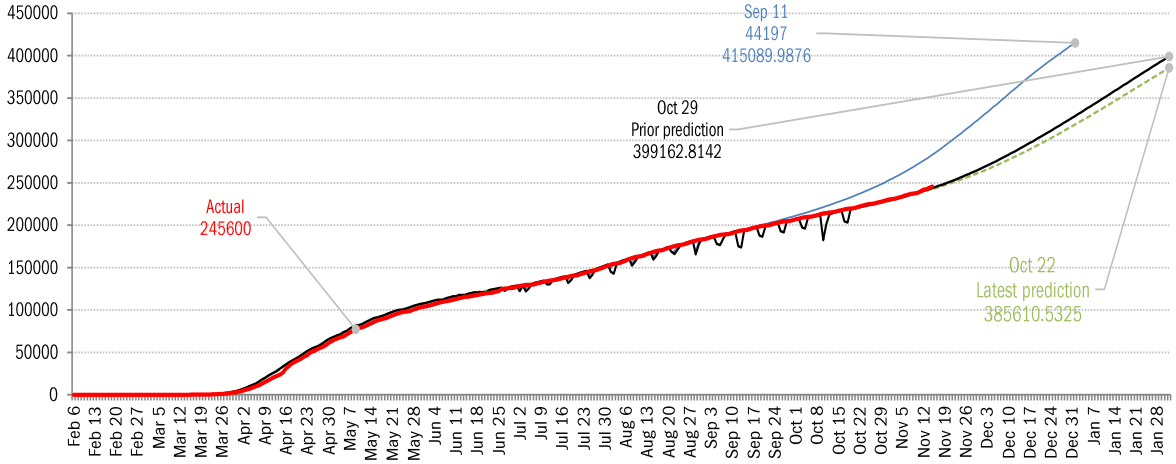
New daily fatalities As of Nov 15

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

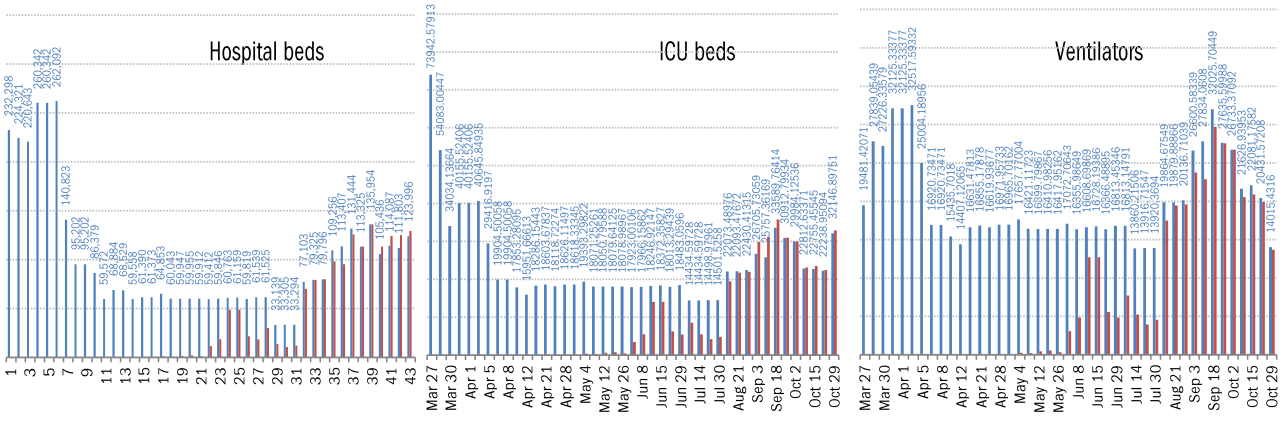


Cumulative fatalities

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

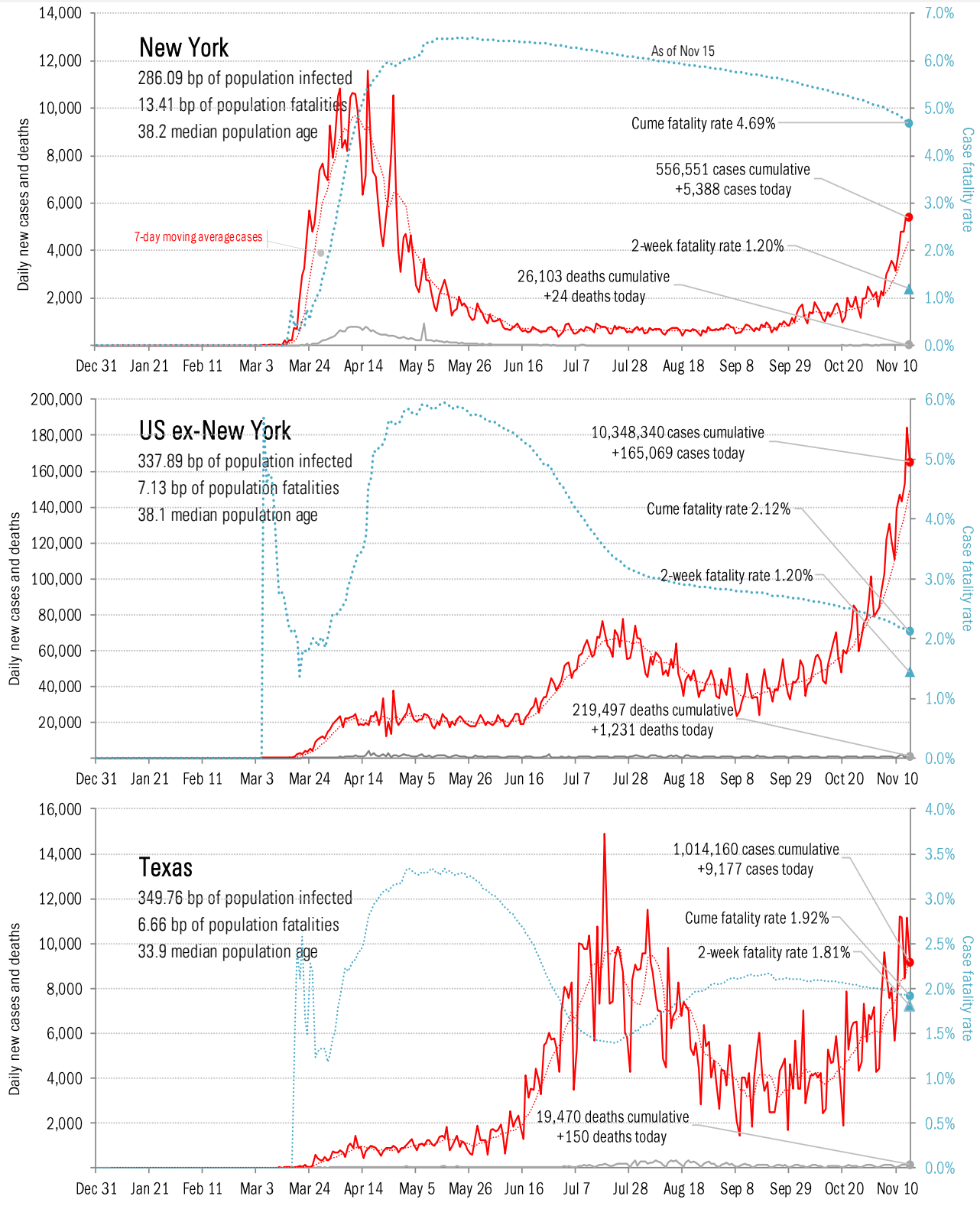


Healthcare system stress, peak and ultimate estimated at each model revision



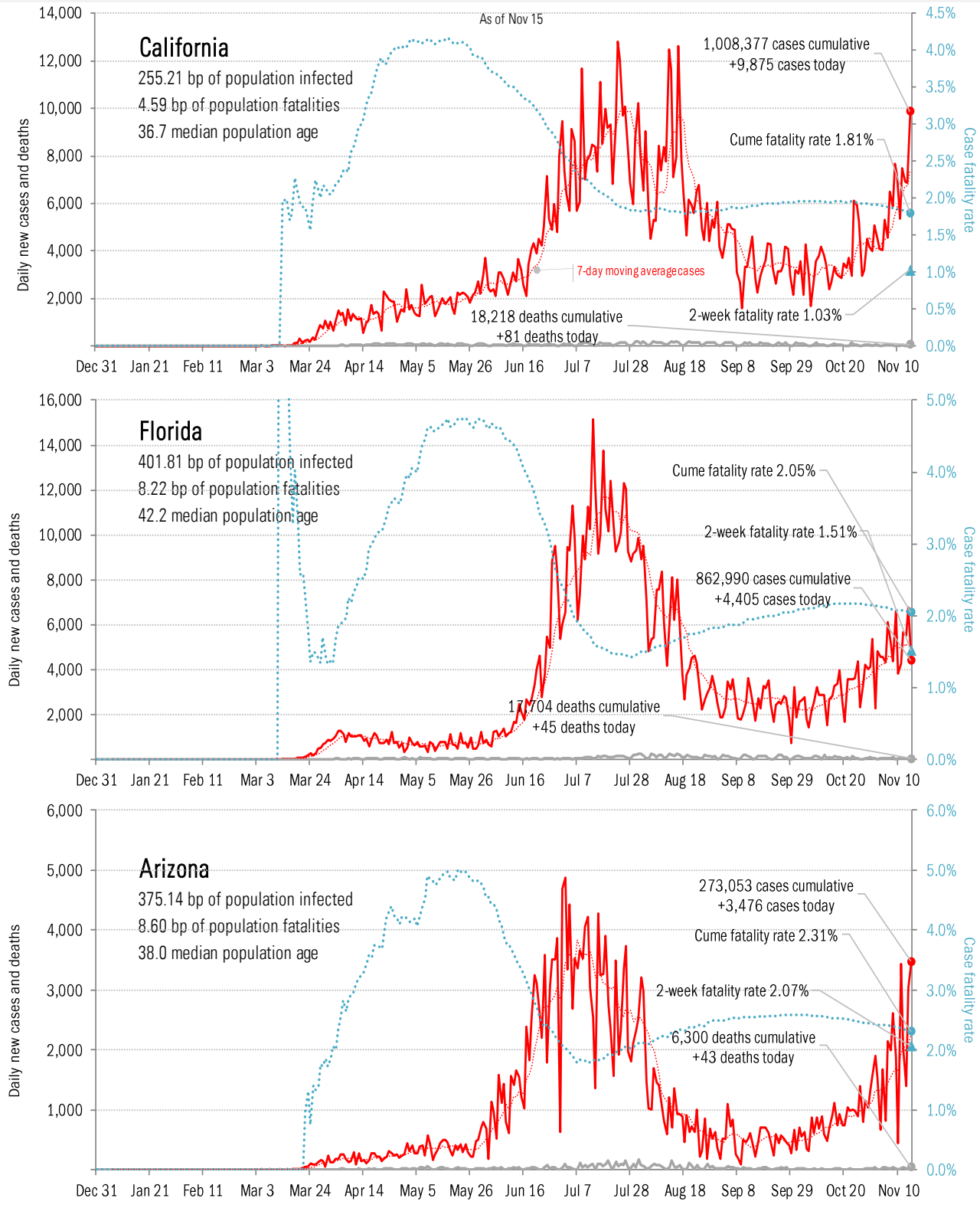
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



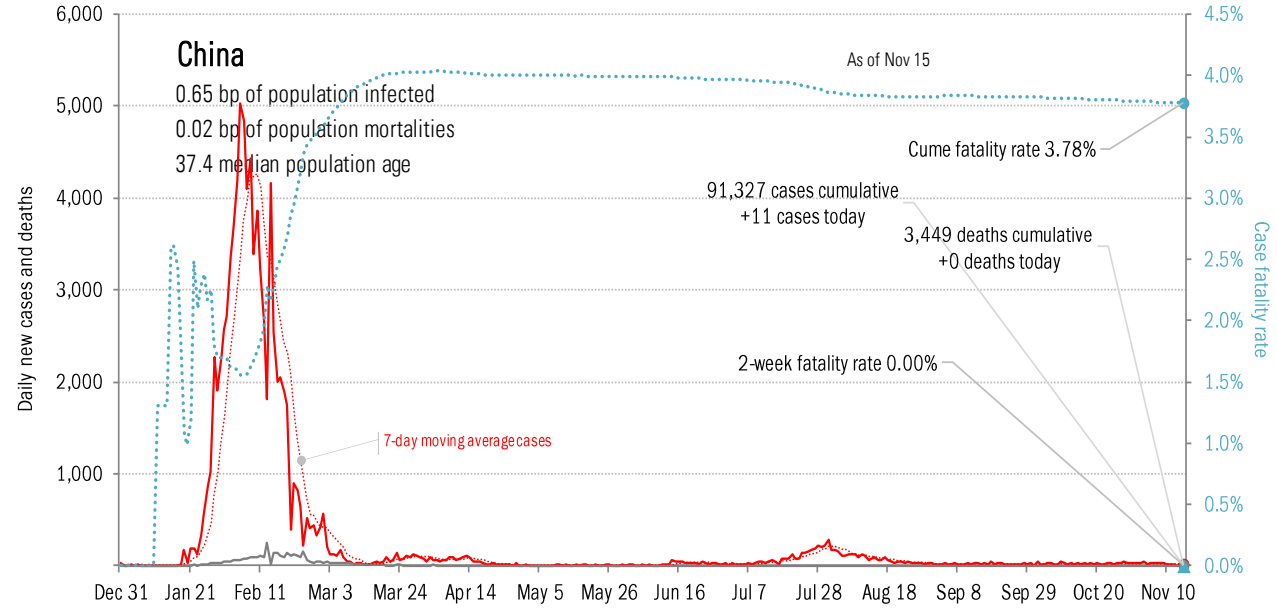
Source: ECDC, TrendMacro calculations

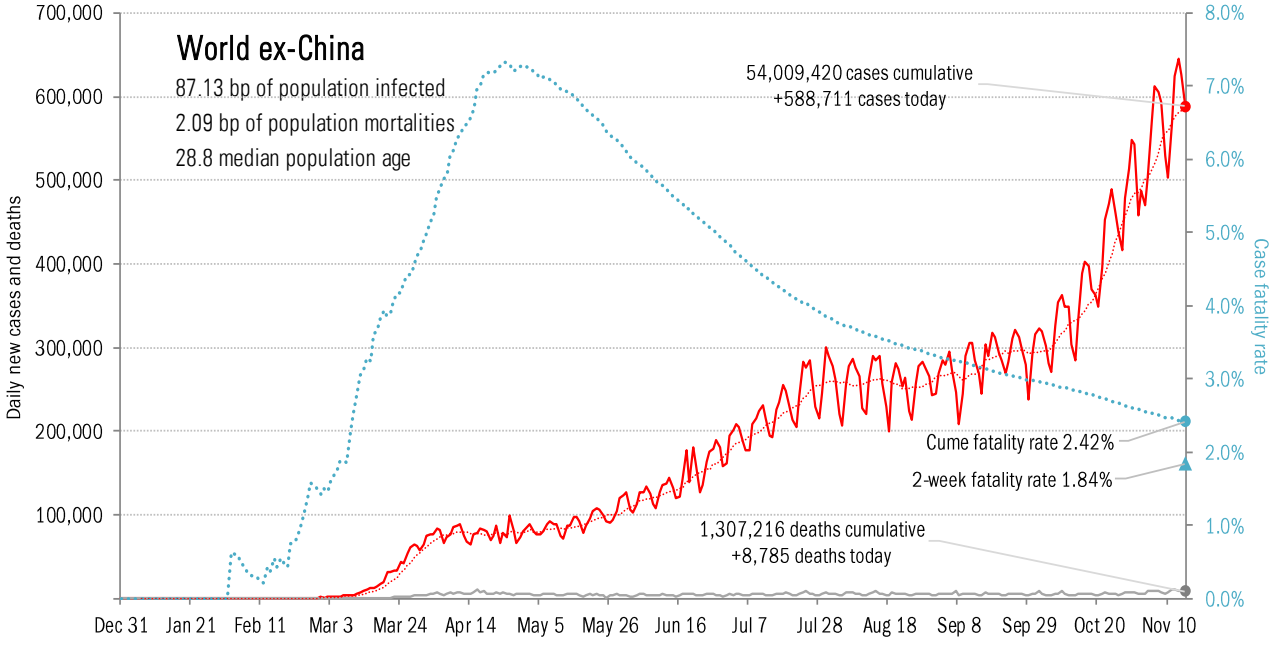
The sun-belt hot-spot states (other than Texas)



Source: ECDC, TrendMacro calculations

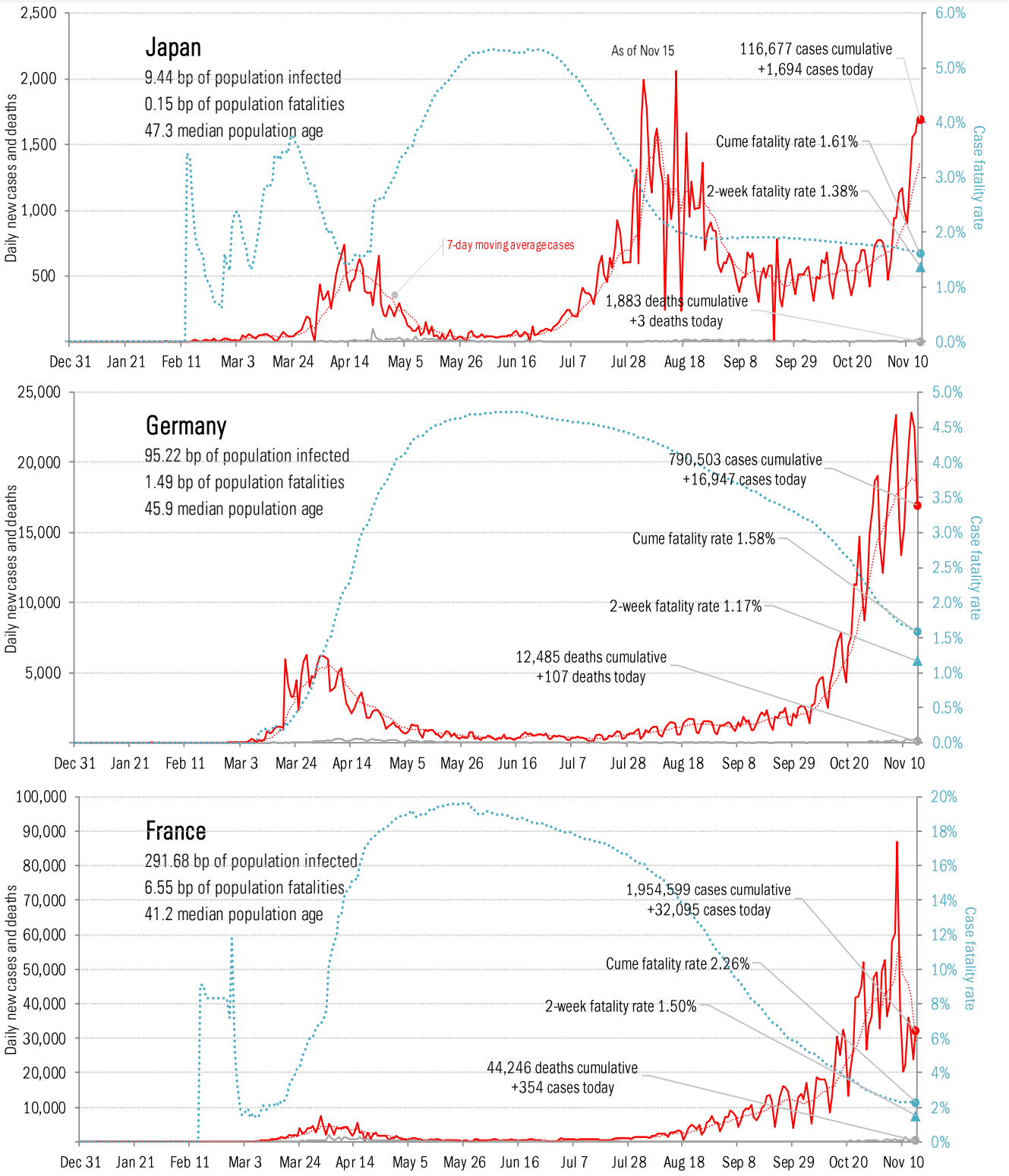
Patient zero… and then everyone else





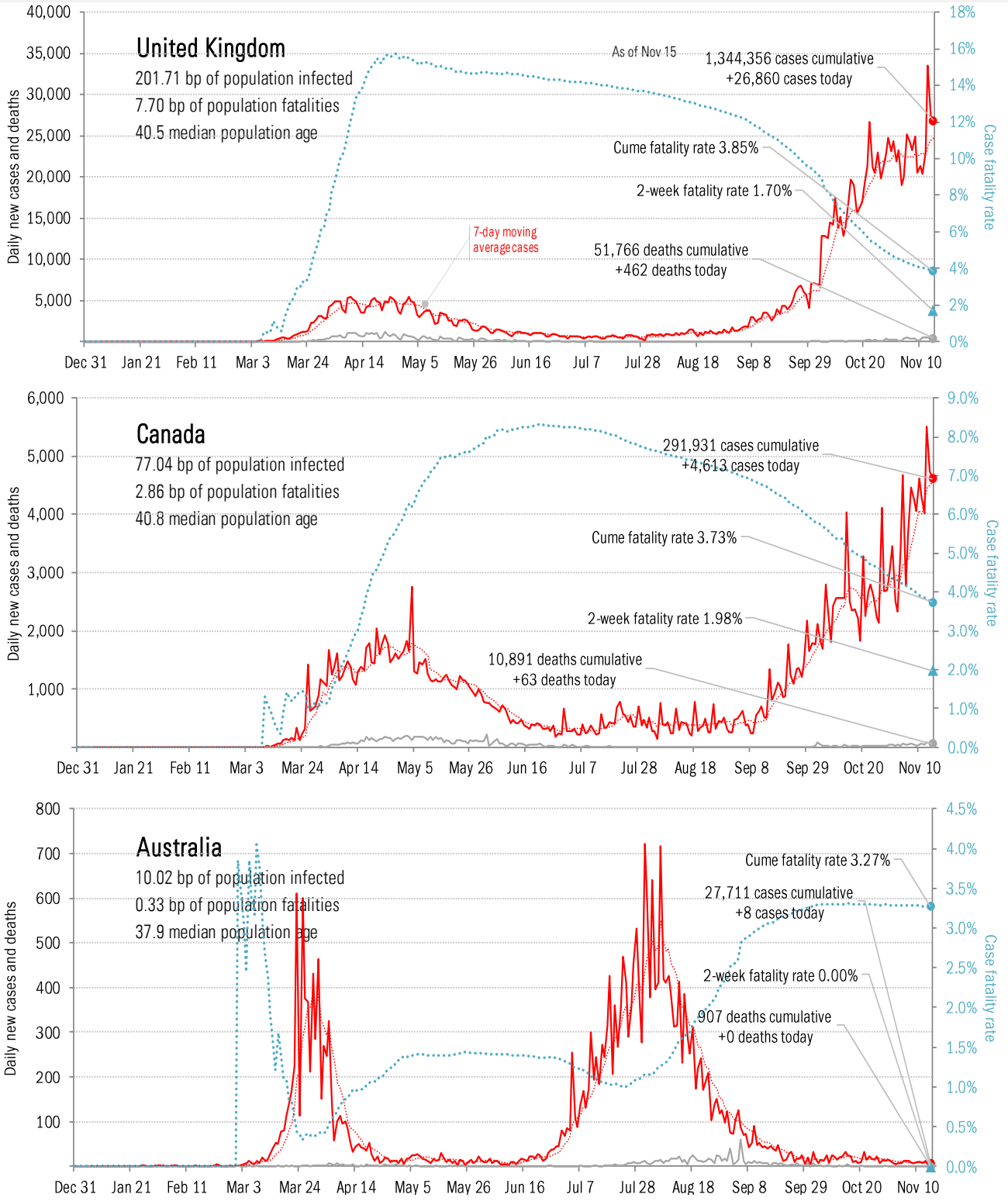
Source: ECDC, TrendMacro calculations

Impact in the largest economies



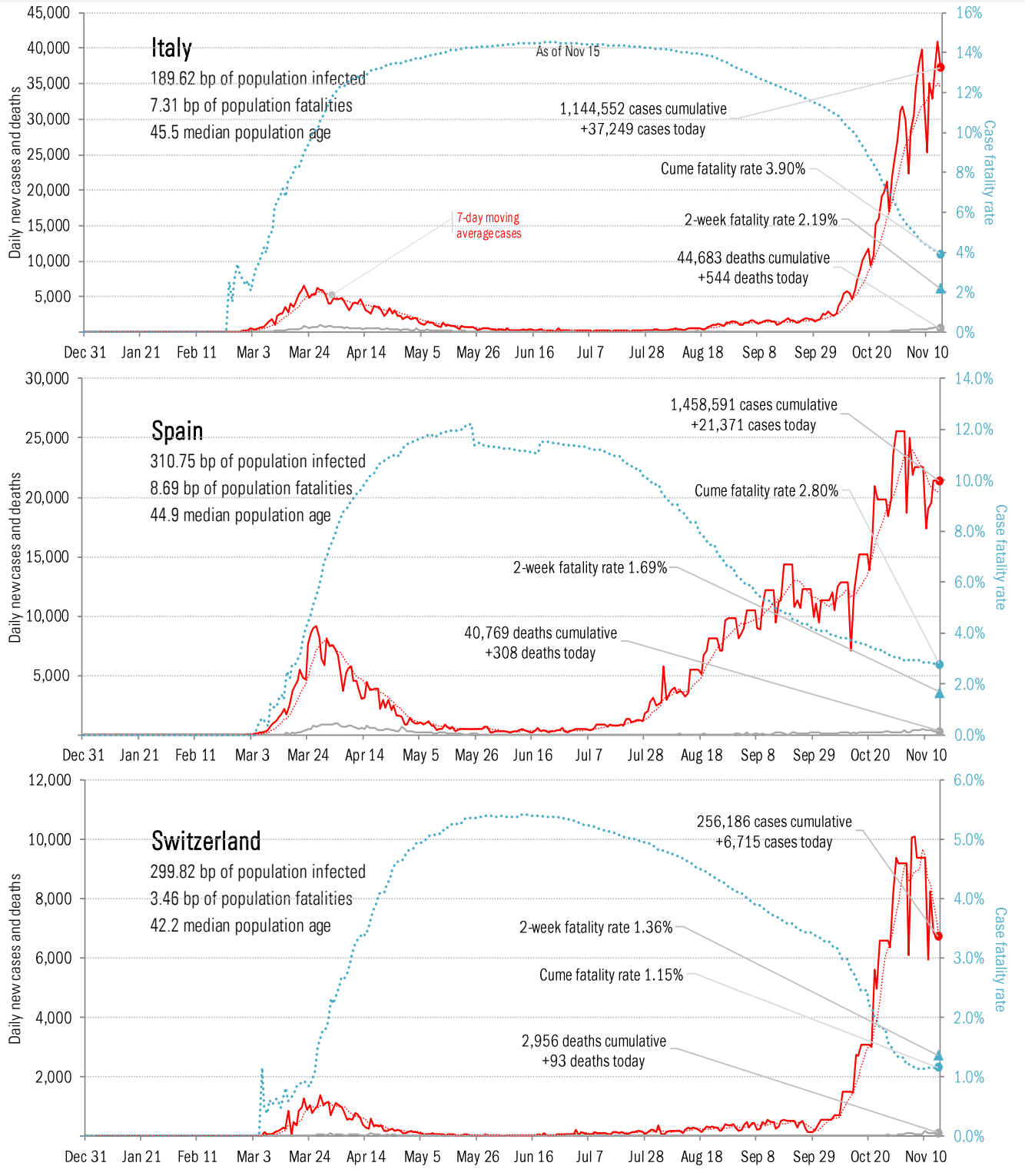
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



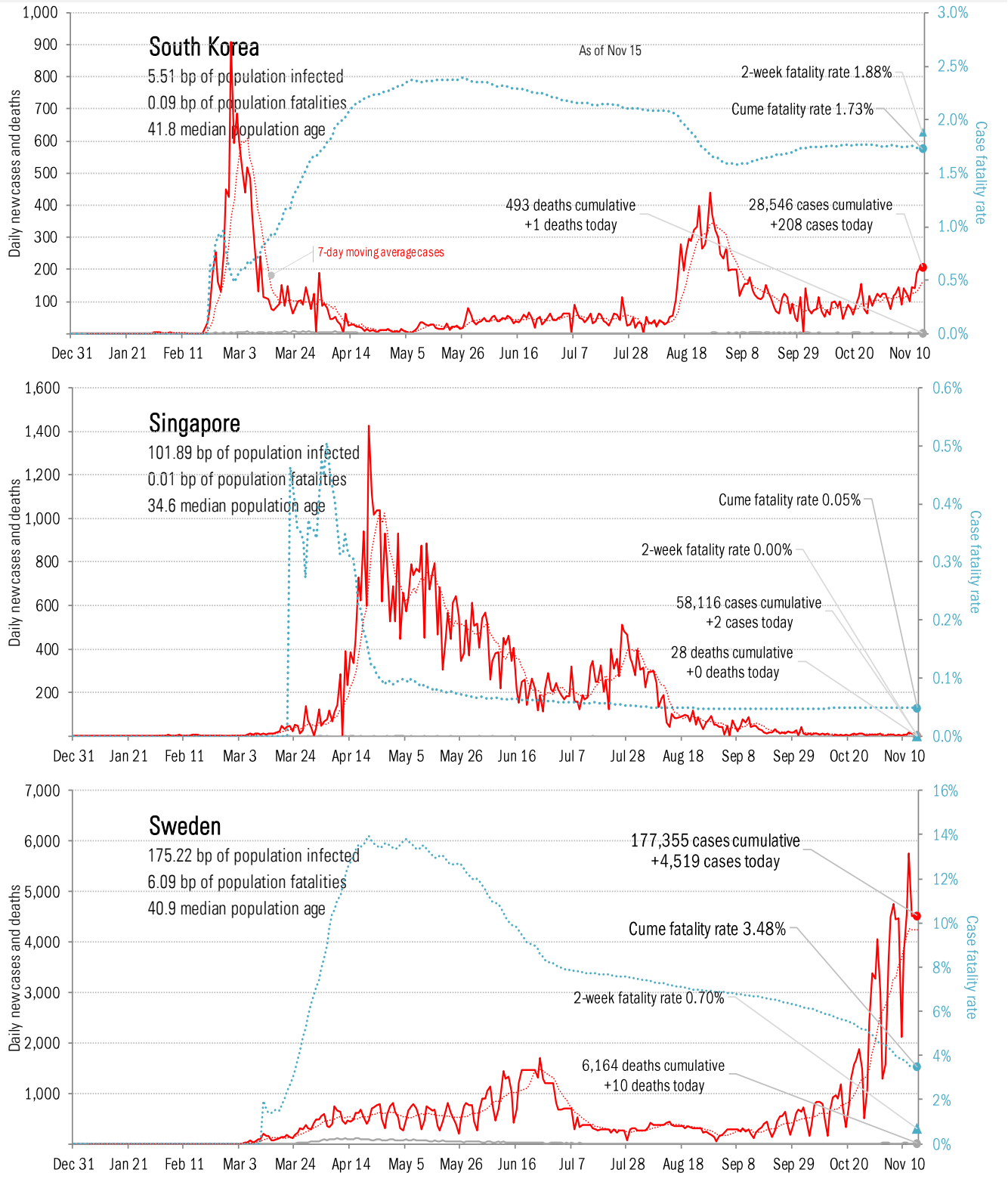
Source: ECDC, TrendMacro calculations

Impact in continental Europe



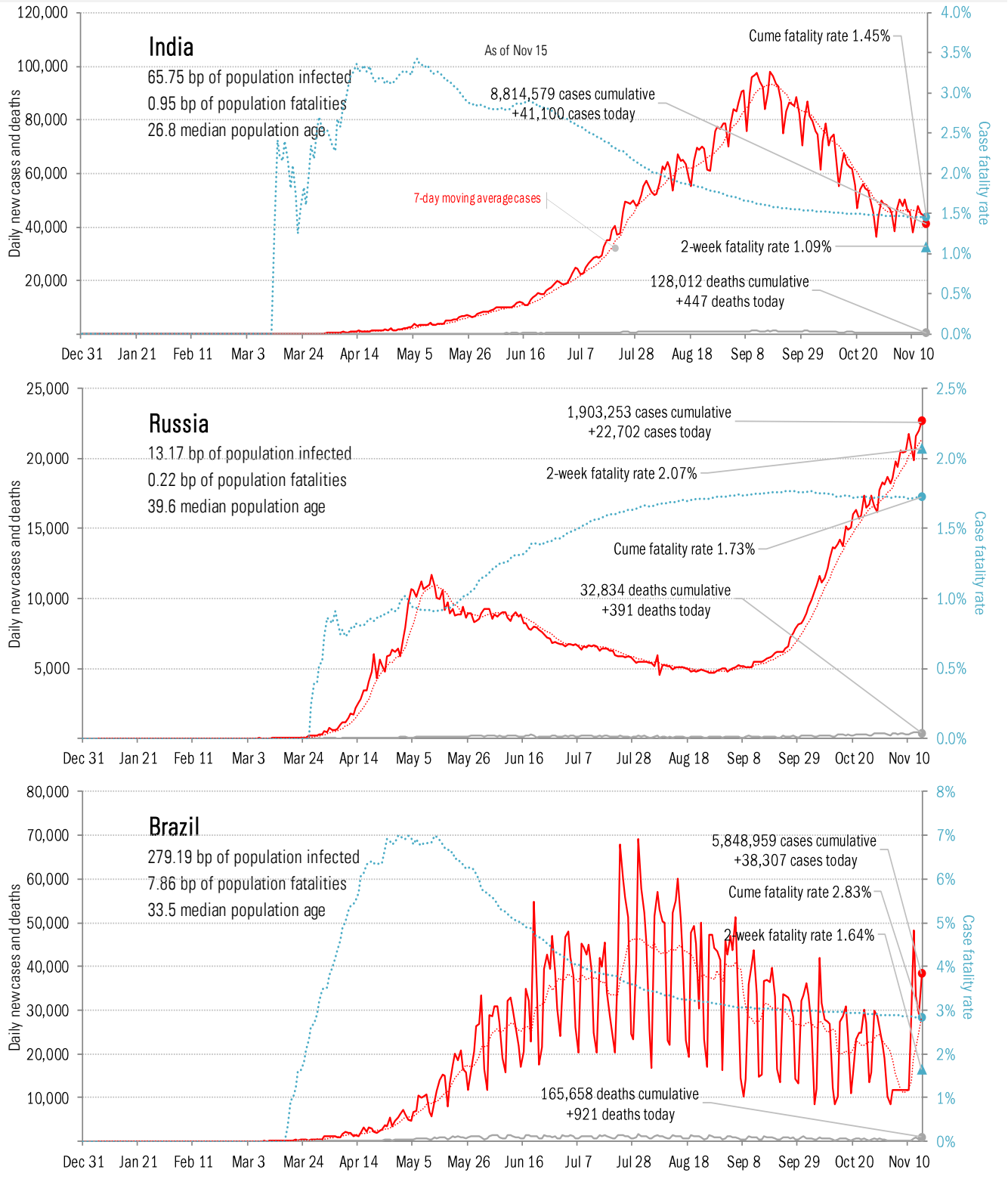
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



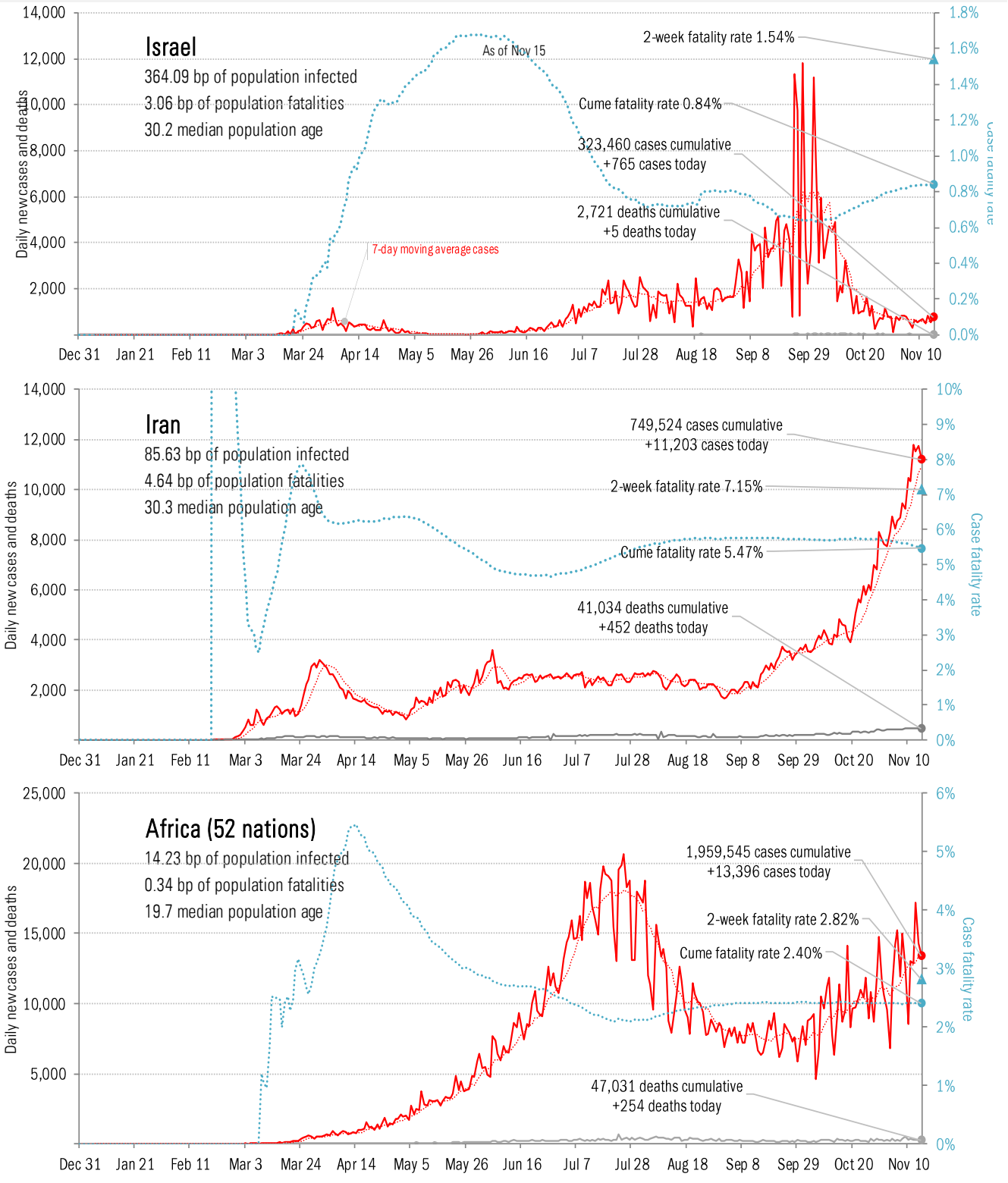
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations