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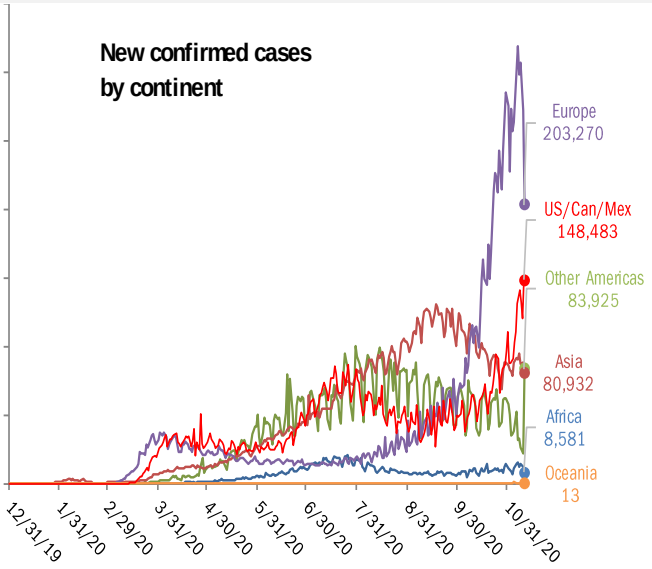
Data Insights: Covid-2019 Monitor

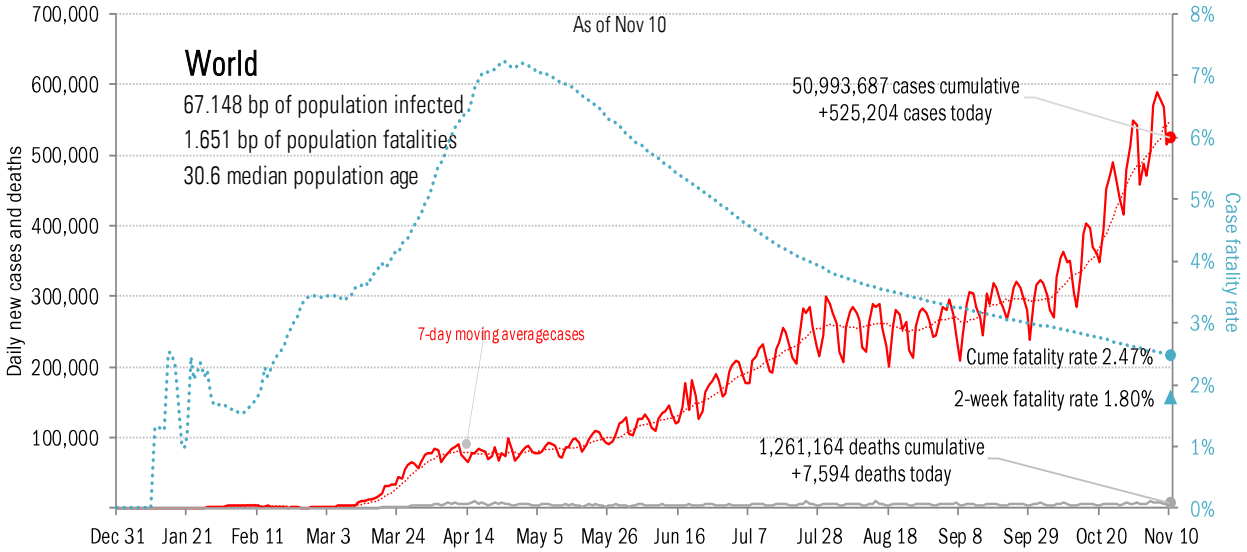
Tuesday, November 10, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+138,901	Brazil	+1,163
Brazil	+63,536	US	+679
India	+38,073	France	+548
Italy	+25,269	Iran	+458
Spain	+22,516	India	+448
Russia	+21,798	Italy	+356
Poland	+21,713	Argentina	+347
UK	+21,350	Russia	+256
France	+20,155	Czechia	+216
Switzerland	+17,245	Mexico	+198
	+390,556		+4,669
World	+525,204	World	+7,594
Top ten	74%	Top ten	61%





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

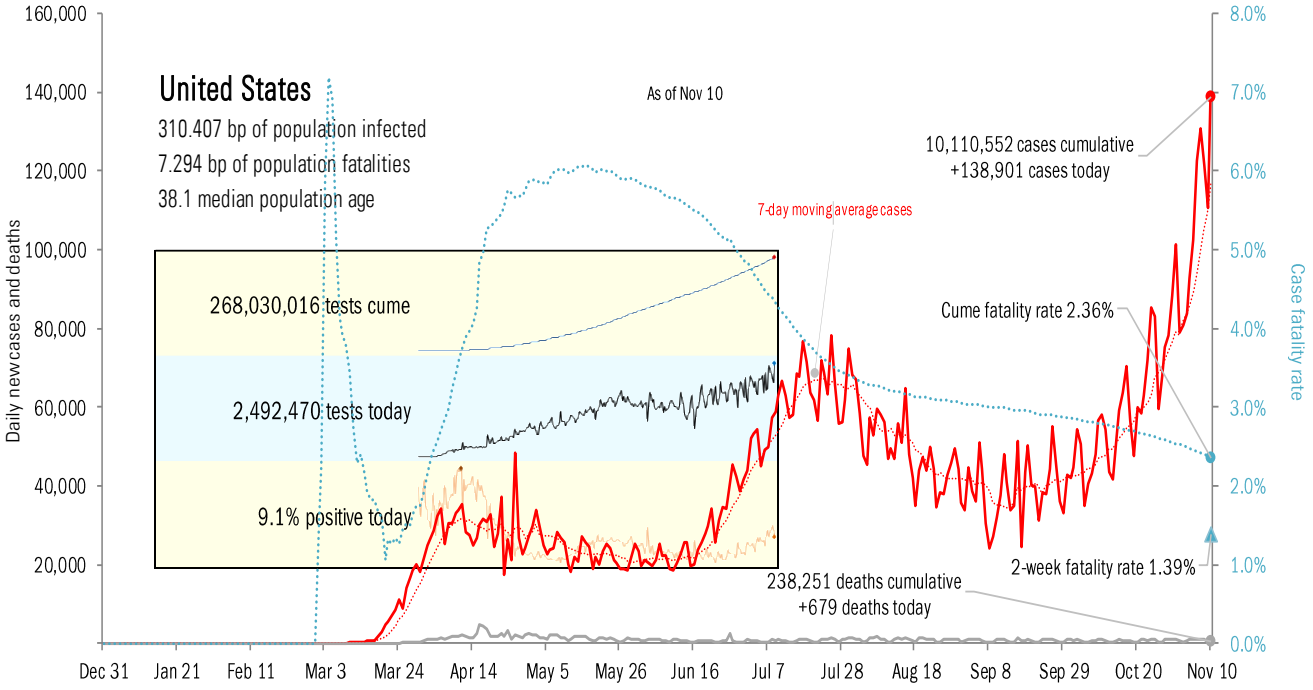
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
IL	+10,573	MI	+63	MI	+390	CA	971,851	NY	25,973	NY	89,995
MI	+9,305	FL	+58	OH	+247	TX	963,019	TX	18,769	FL	51,196
CA	+7,212	IN	+35	AR	+153	FL	836,370	CA	17,977	NJ	38,336
TX	+6,785	GA	+29	WI	+143	NY	532,180	FL	17,391	GA	32,483
KS	+5,920	WV	+28	FL	+123	IL	498,560	NJ	16,440	VA	22,745
TN	+5,919	CT	+27	AL	+114	GA	374,181	IL	10,563	AZ	22,211
OH	+4,706	NY	+26	CA	+114	NC	294,860	MA	10,163	AL	21,294
WI	+4,470	TX	+26	IL	+106	TN	287,770	PA	9,024	OH	20,651
IA	+4,381	IL	+25	IN	+104	WI	286,380	GA	8,677	IN	18,738
IN	+4,135	AR	+23	NJ	+98	AZ	259,699	MI	8,008	MD	17,833
	+63,406		+340		+1,592		5,304,870		142,985		335,482
All states	+118,708	All states	+580	All states	+2,482	All states	9,991,822	All states	230,312	All states	496,746
Top ten	53%	Top ten	59%	Top ten	64%	Top ten	53%	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	
FL	-2,774	IL	-25	KS	-193	NC	+15,401
OK	-2,310	AZ	-17	ND	-59	MS	+5,591
MN	-1,982	TX	-17	IA	-49	MN	+3,455
AZ	-1,445	SC	-16	NM	-43	WI	+3,374
MO	-887	MN	-12	KY	-20	IN	+2,619



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

Recommended reading

[The Covid Vaccine Cavalry]
Wall Street Journal
November 9, 2020

[How Vaccines Prove Their Safety]
Kevin N. Sheth and Serena Spudich
Wall Street Journal
November 9, 2020

[Does lockdown prevent covid deaths?]
Sebastian Rushworth
Sebastian Rushworth
November 9, 2020

[How China Lured the World Into the Selfmade Lockdown Trap]
Ulf Martin
Corona Circus Wuhan
November 6, 2020

[Now SAGE wants to move Christmas celebrations to SUMMER because of coronavirus]
Laura O'Callaghan
Express
November 7, 2020

[The Latest: Ousted Vaccine Expert on Biden Virus Task Force]
Associated Press
November 9, 2020

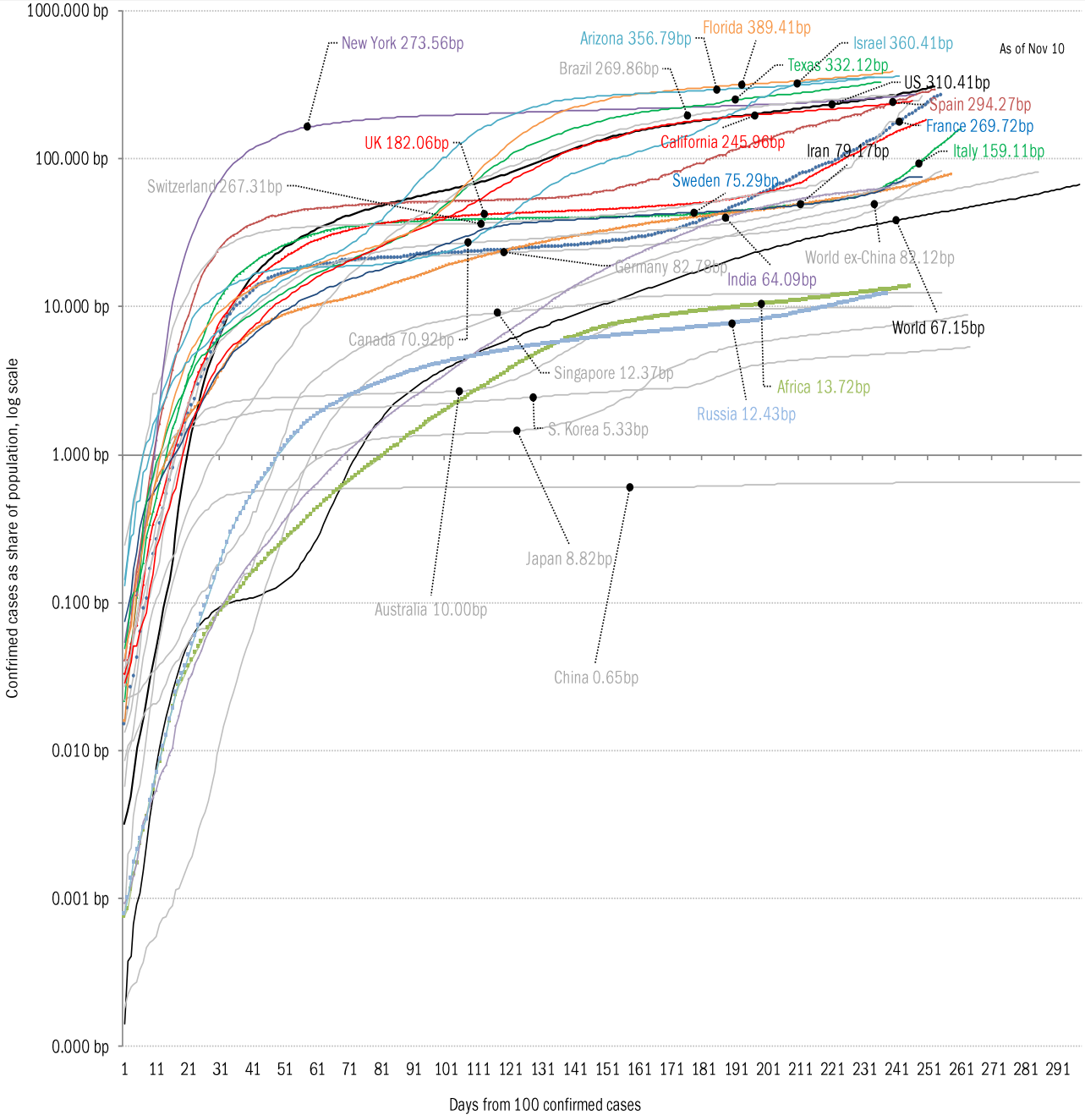
[The States Are Laboratories for Covid Control]
Scott Gottlieb
Wall Street Journal
November 8, 2020

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

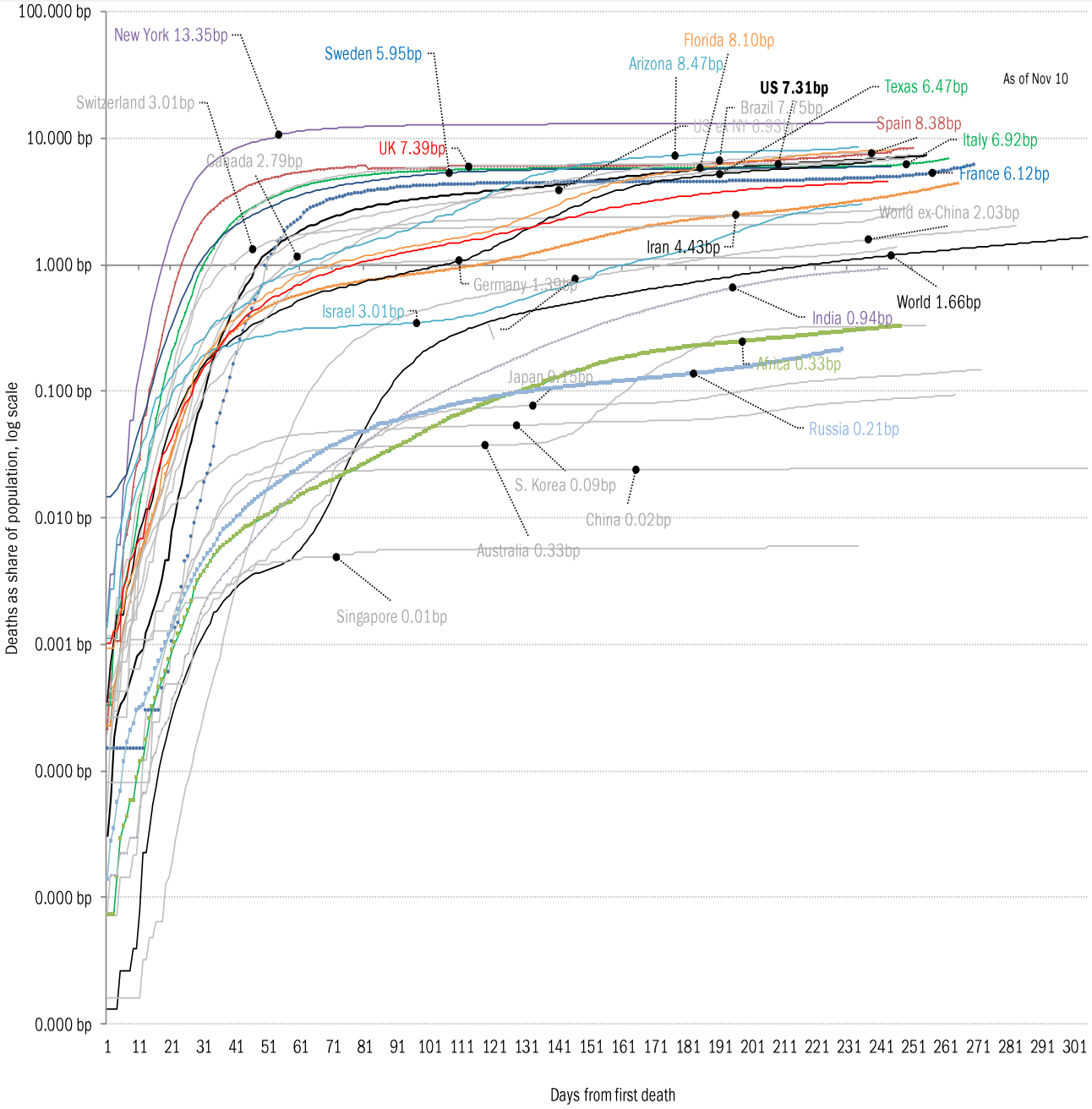
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

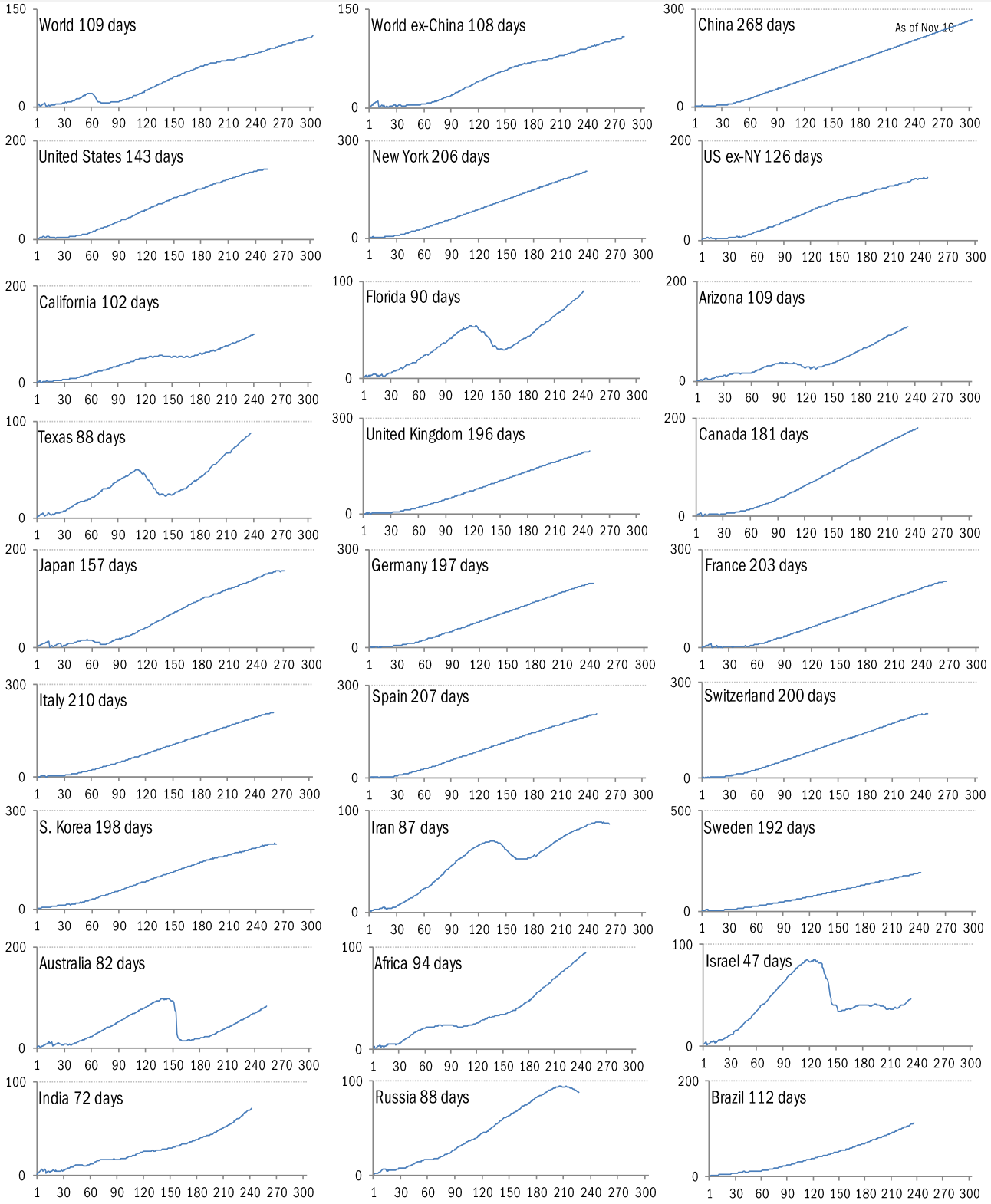


Source: ECDC, TrendMacro calculations

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

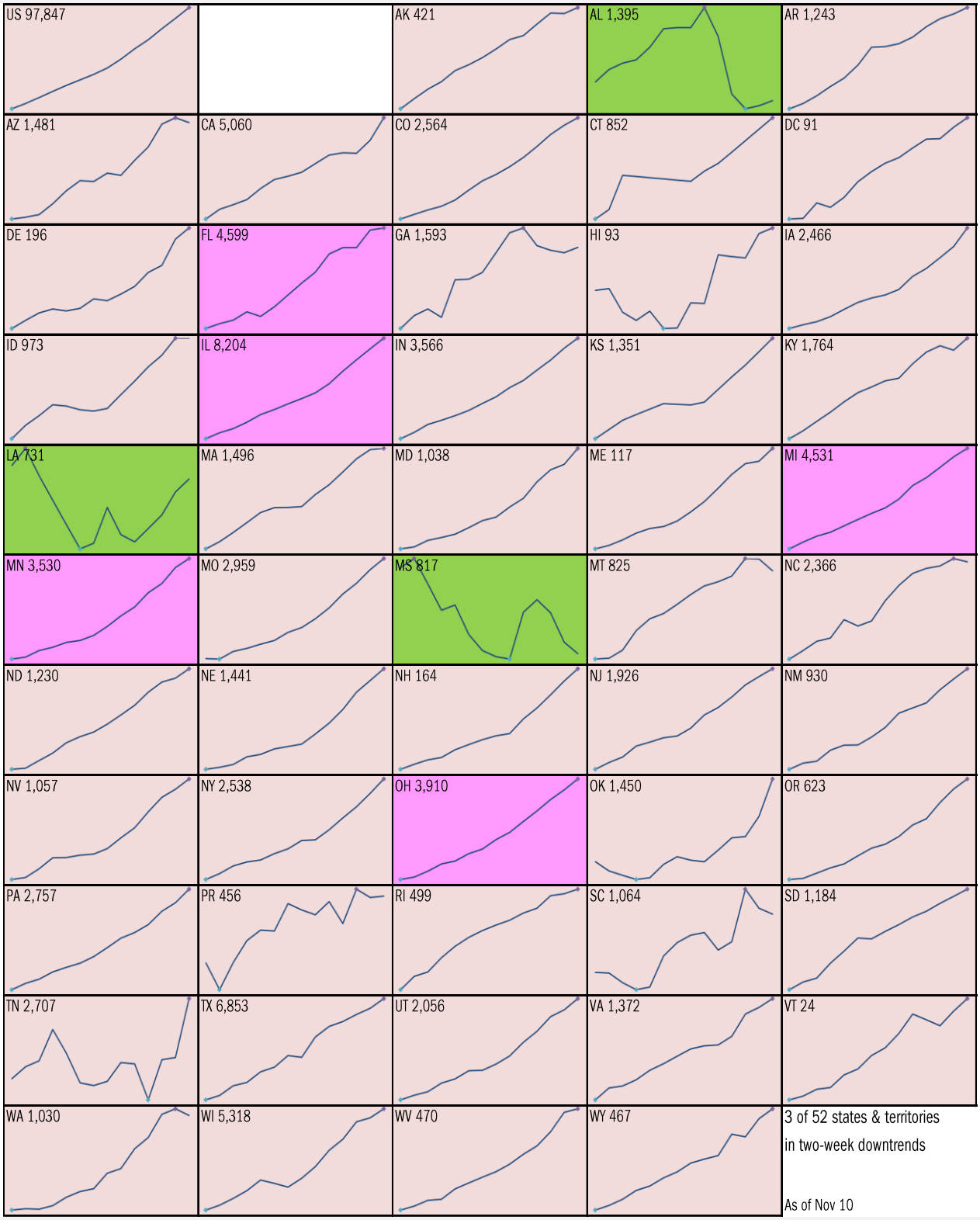


Source: ECDC, TrendMacro calculations

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

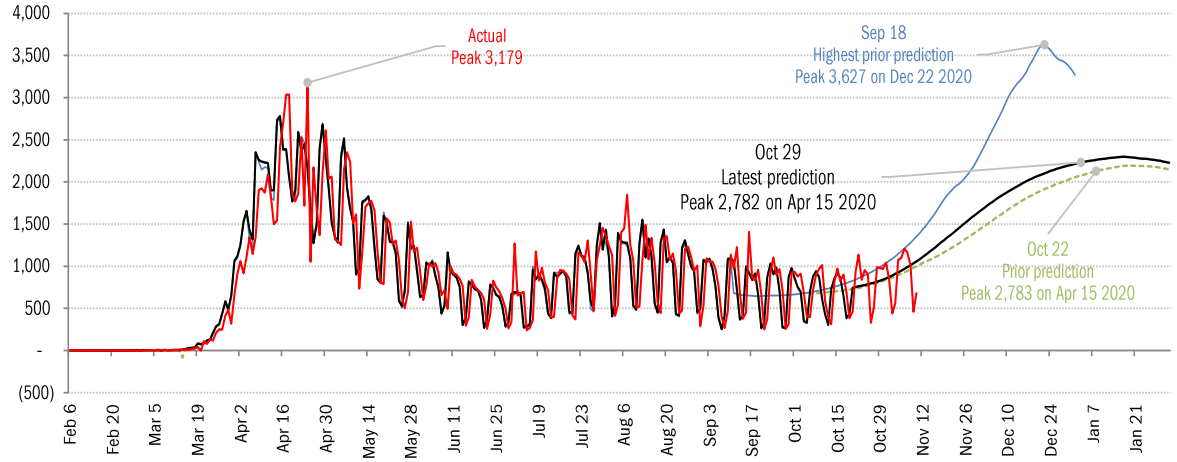
Downward trajectory Five best Upward trajectory Five worst

Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

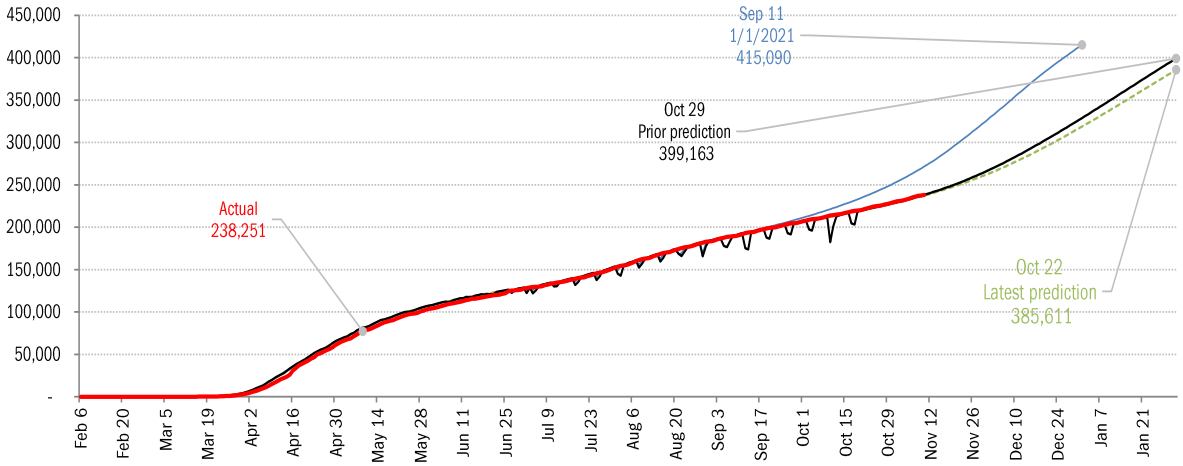
New daily fatalities As of Nov 10

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

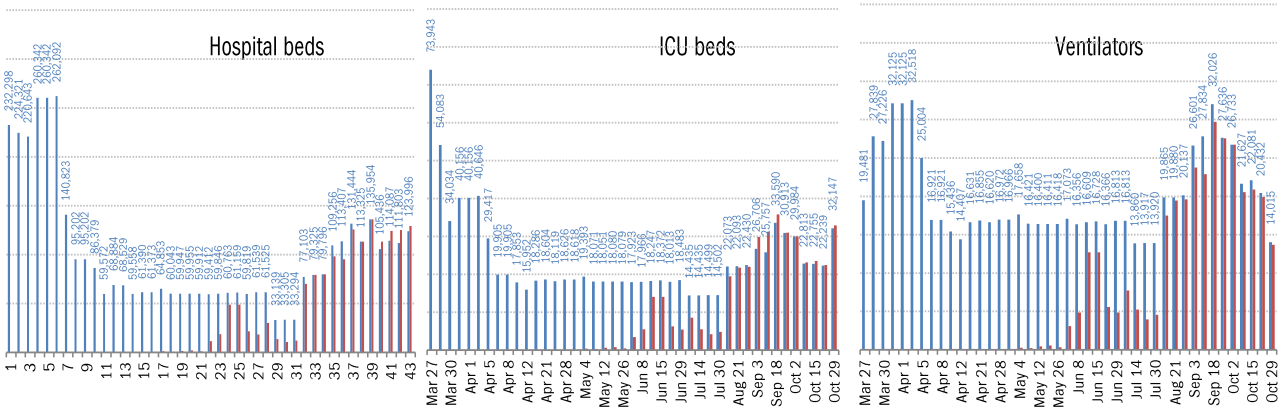


Cumulative fatalities

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

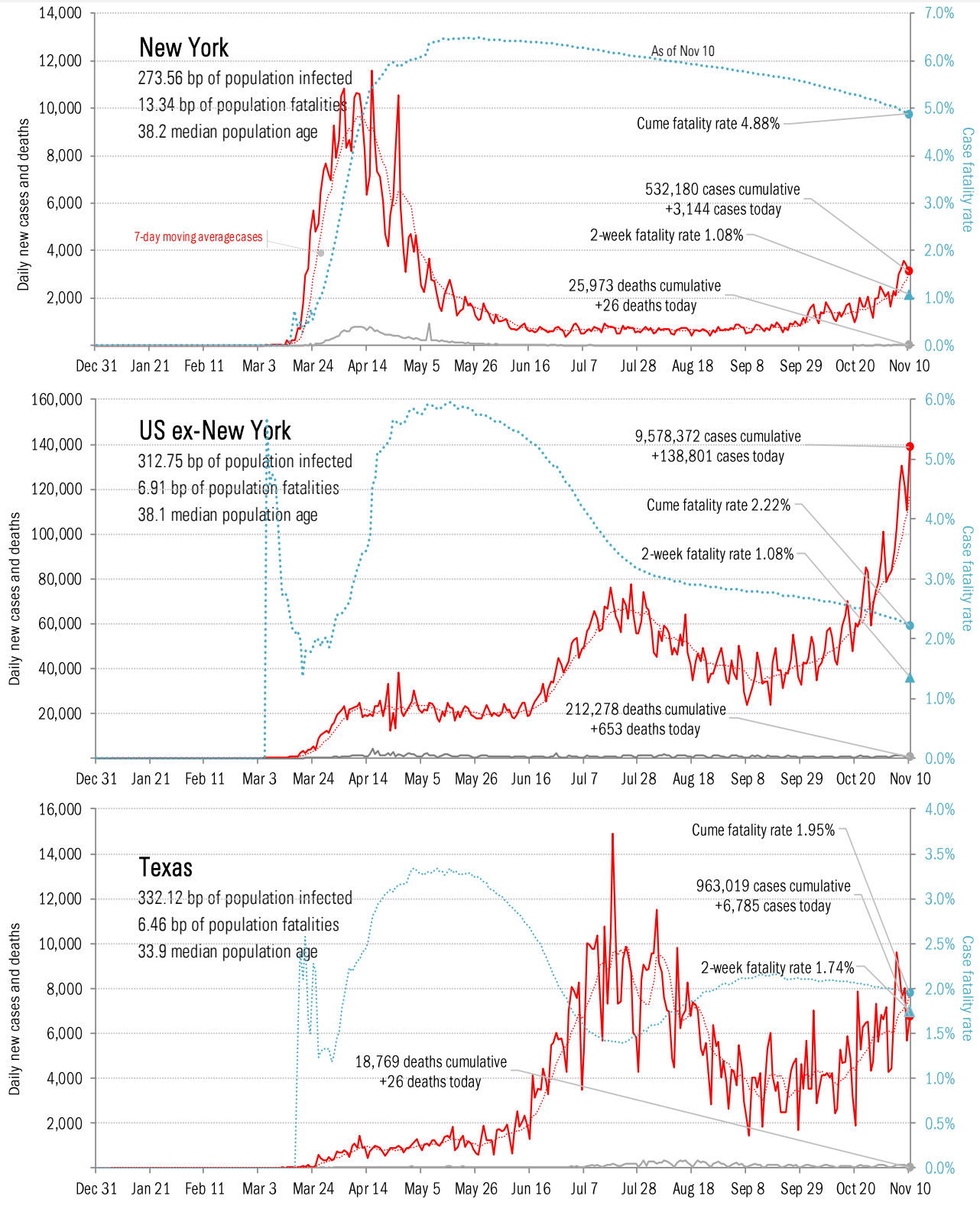


Healthcare system stress, peak and ultimate estimated at each model revision



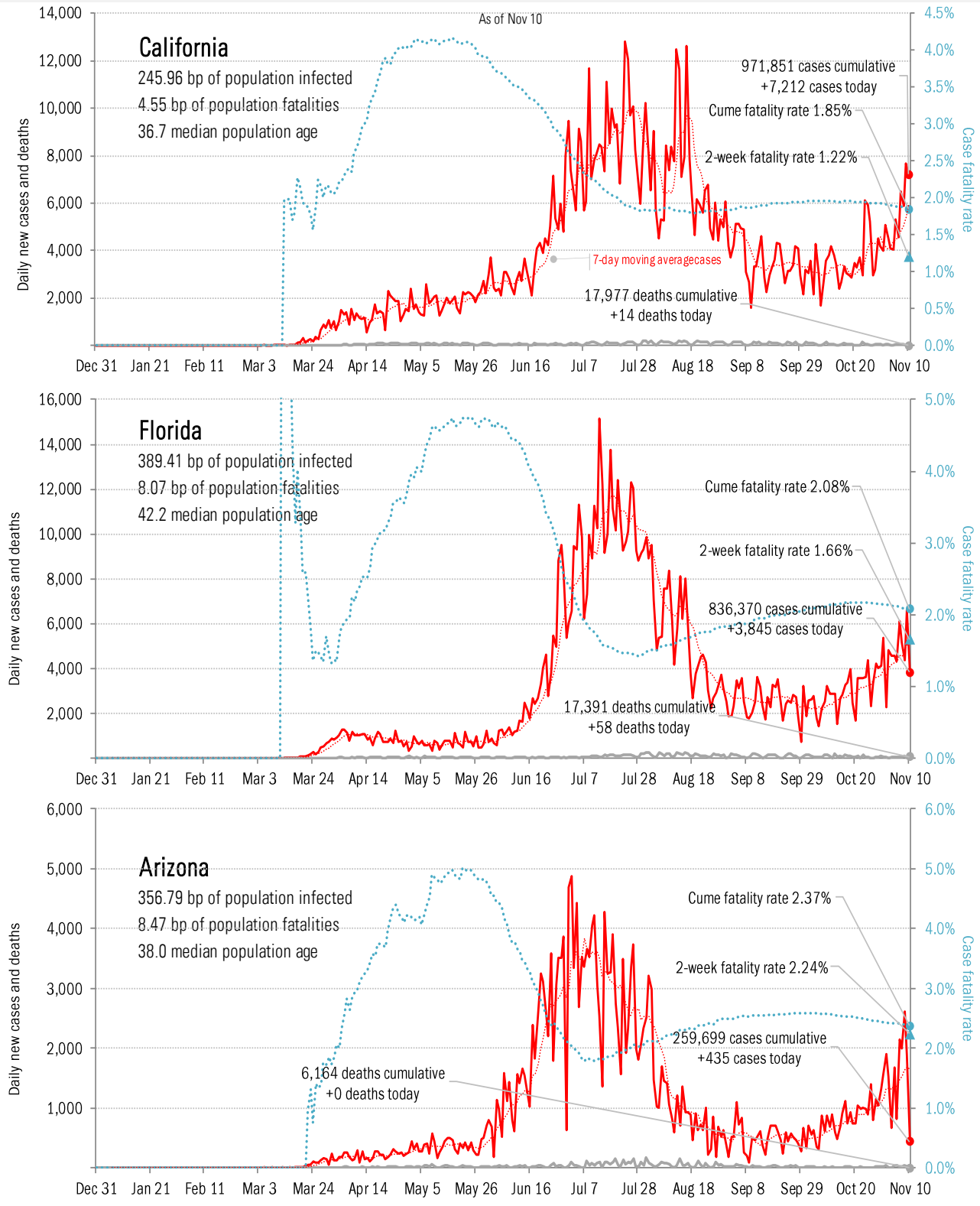
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



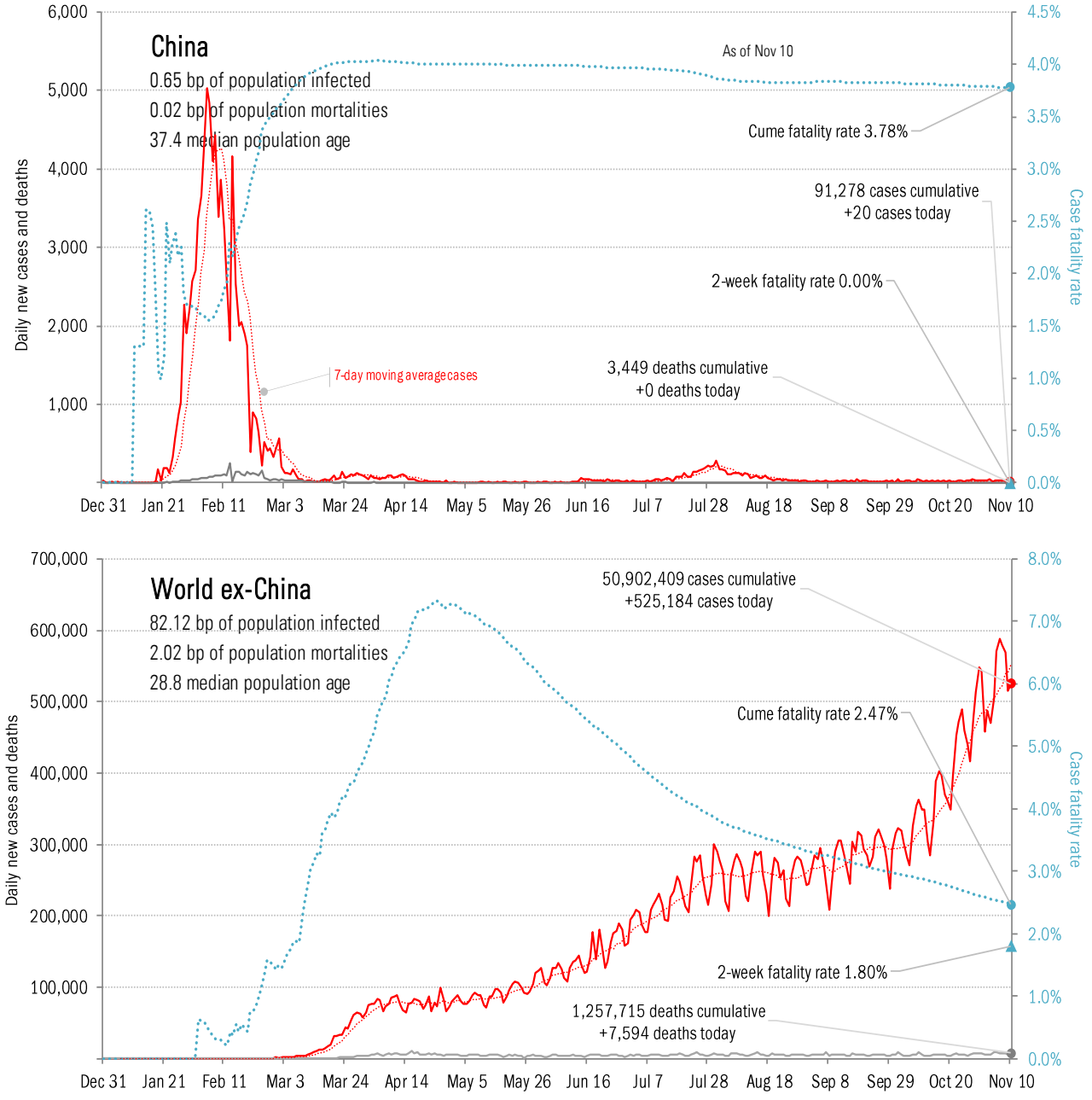
Source: ECDC, TrendMacro calculations

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



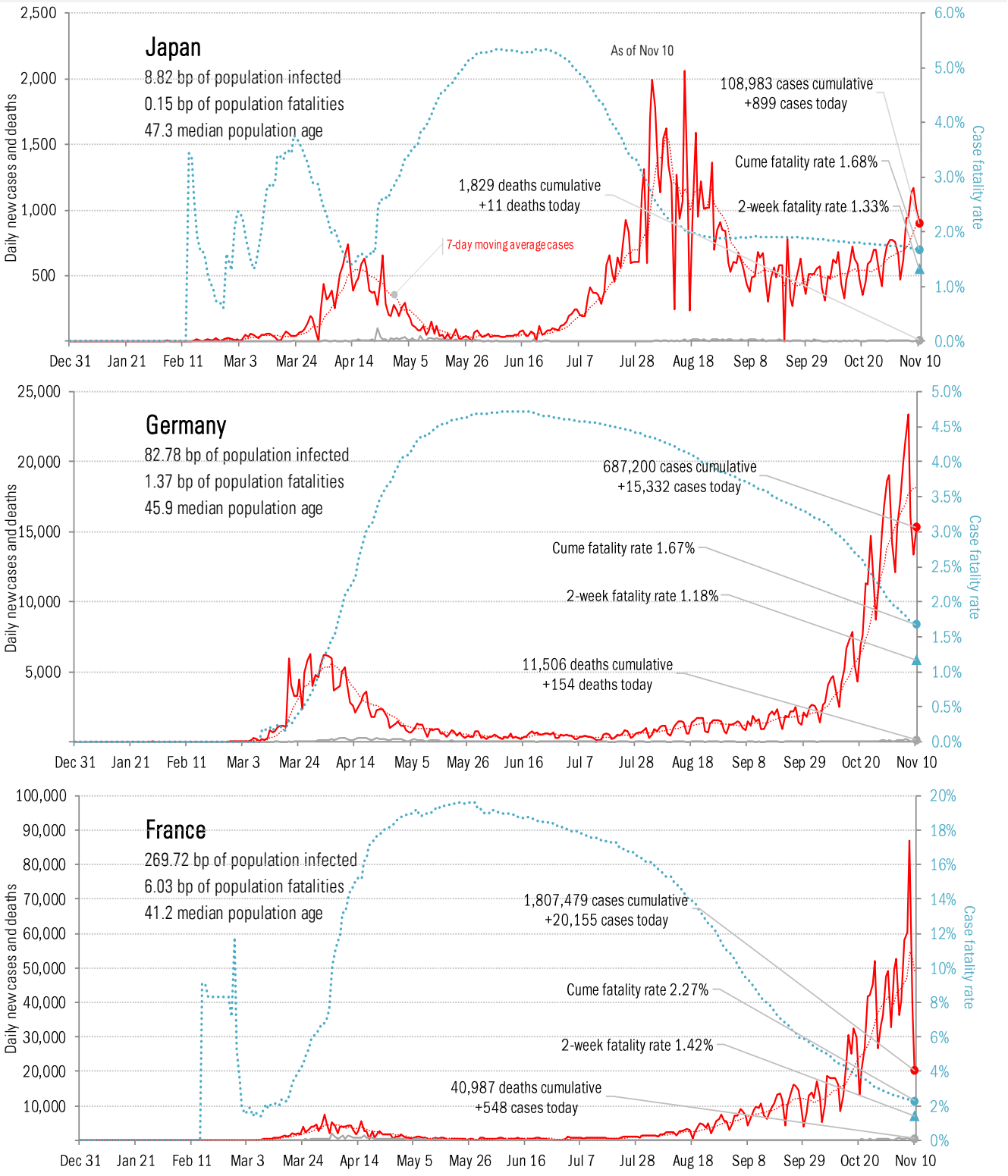
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



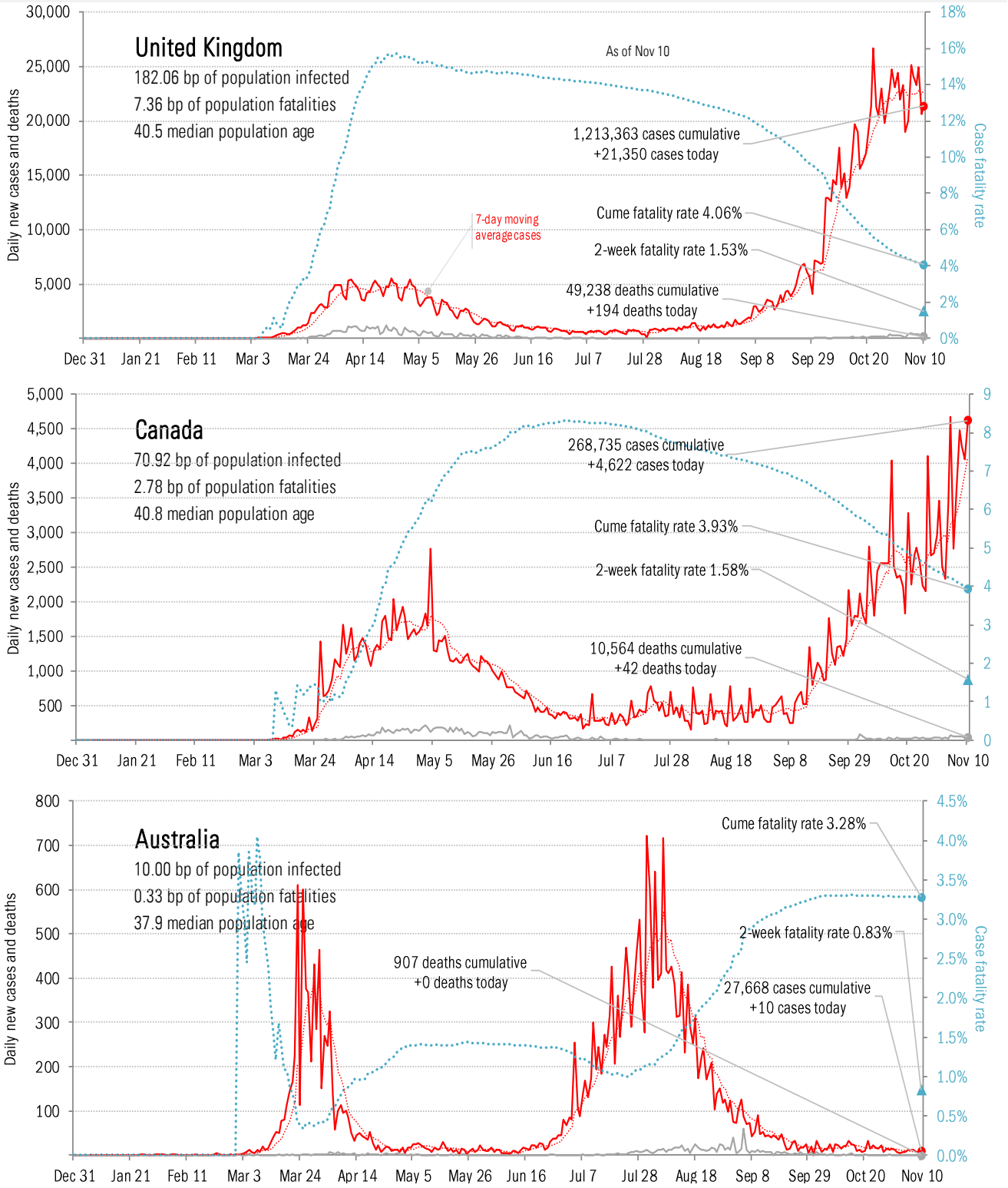
Source: ECDC, TrendMacro calculations

Impact in the largest economies



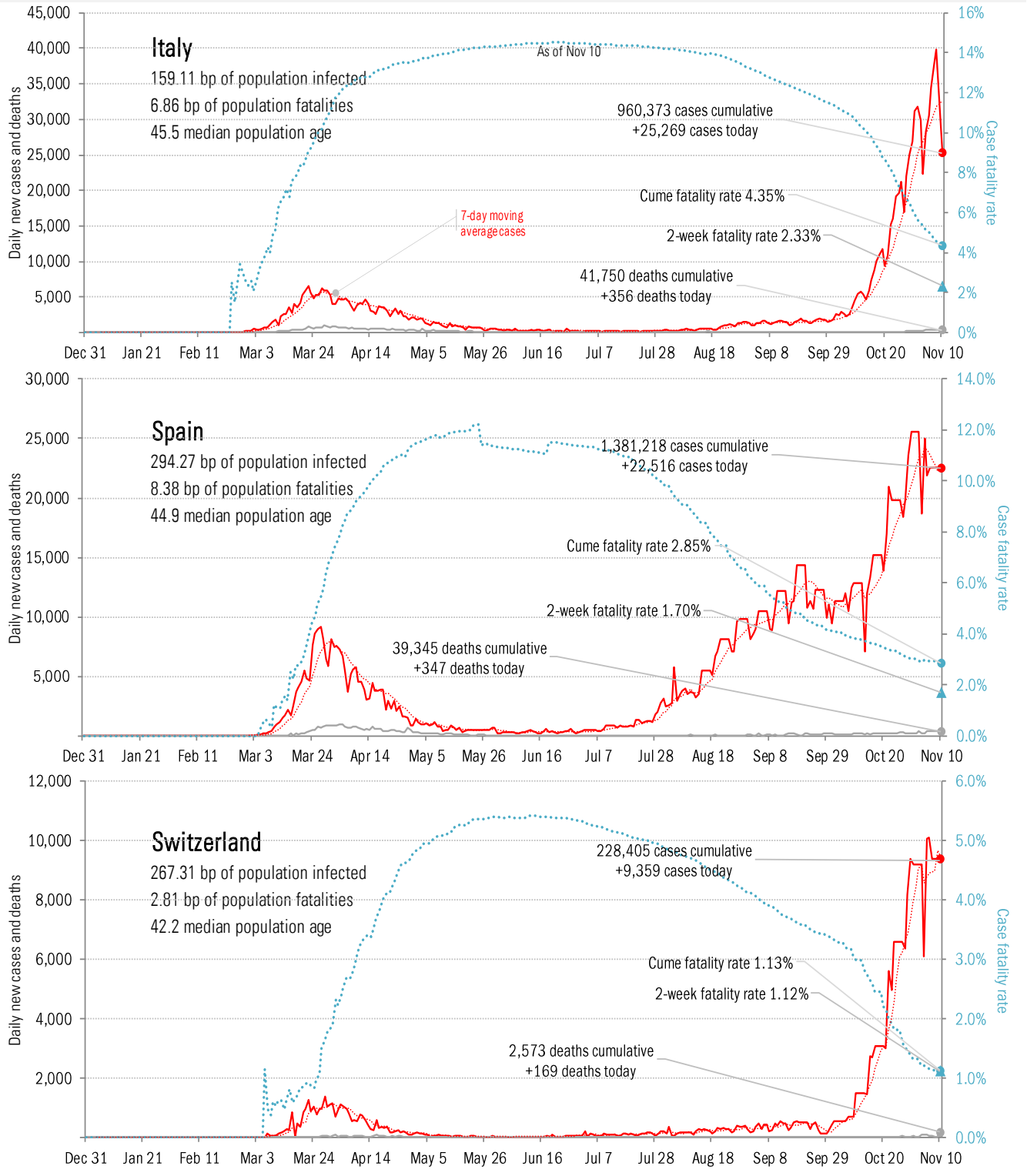
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



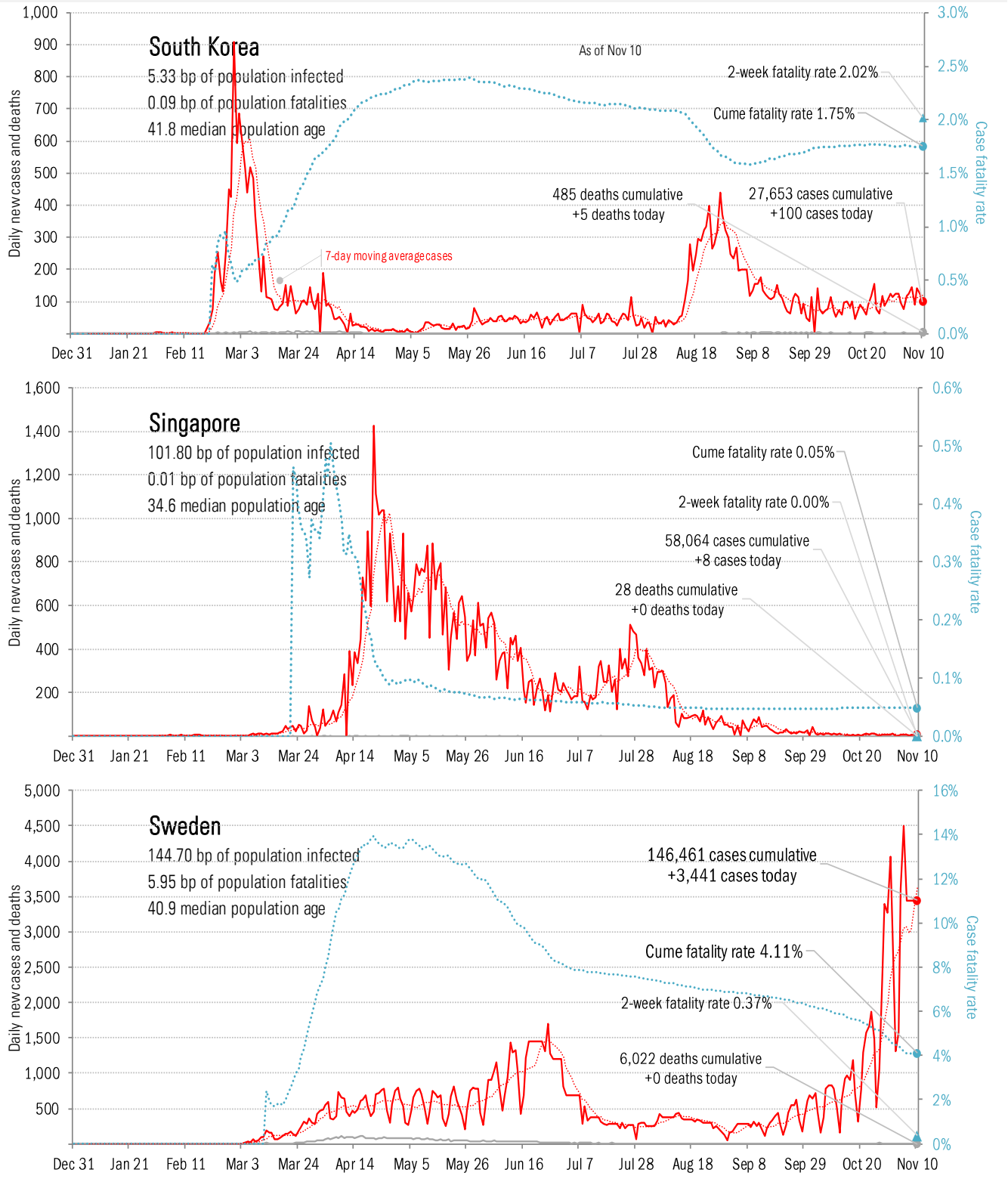
Source: ECDC, TrendMacro calculations

Impact in continental Europe



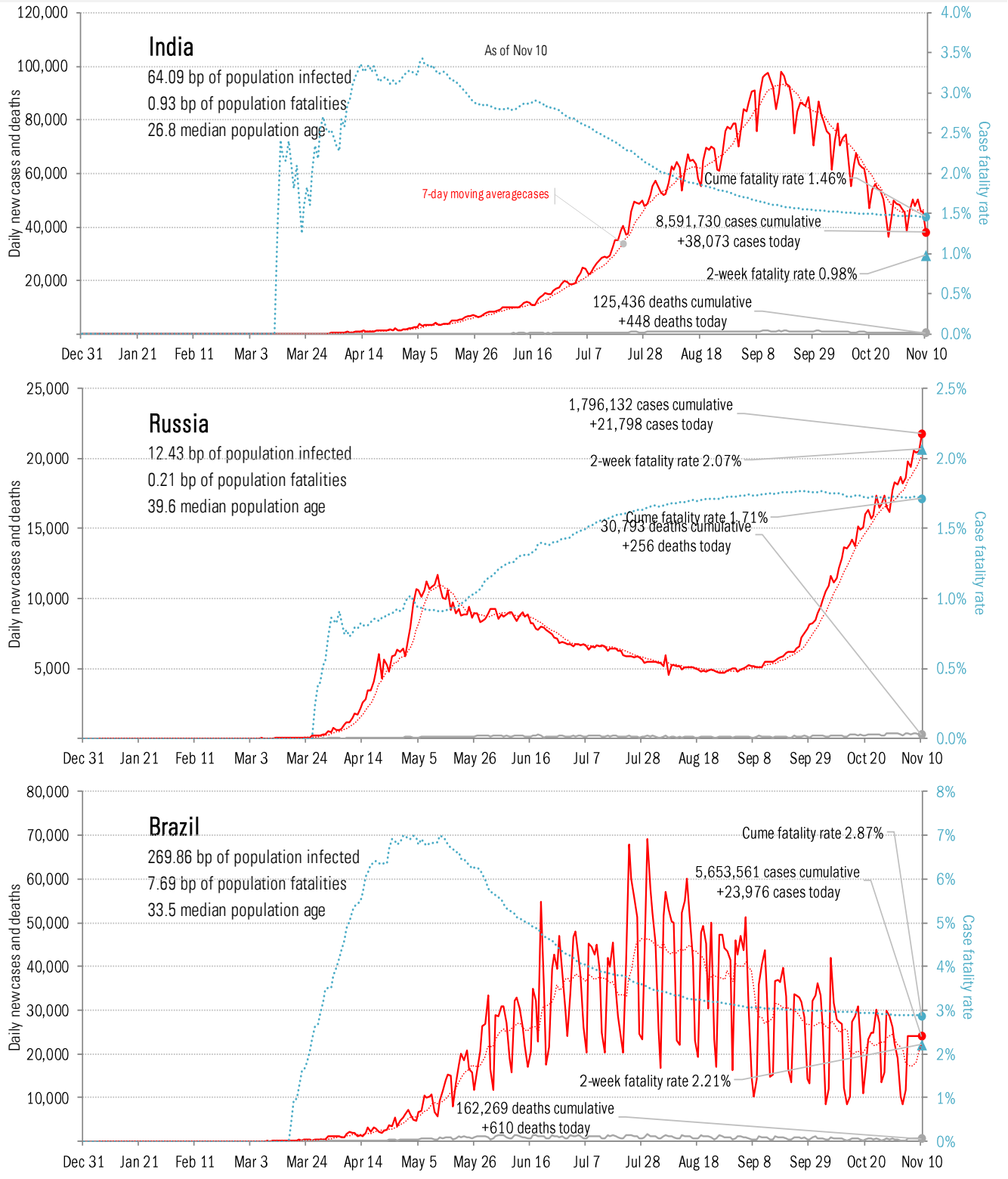
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



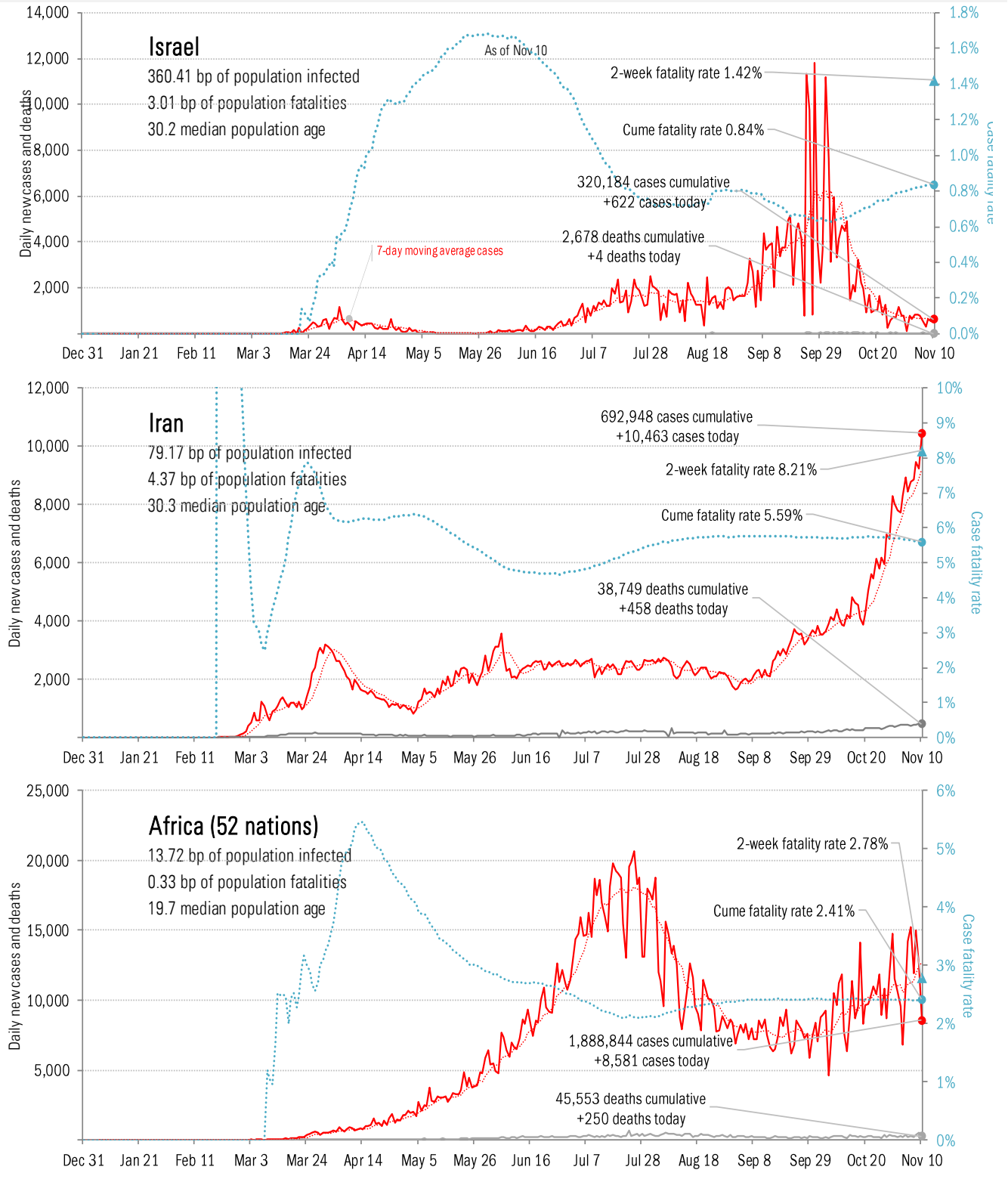
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations