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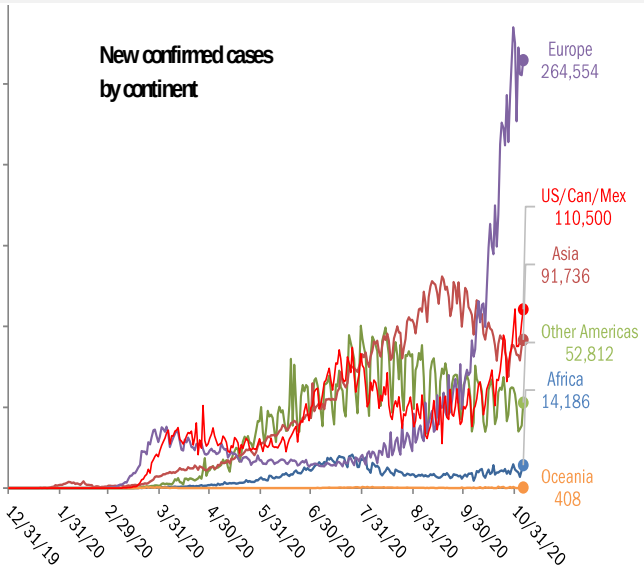
Data Insights: Covid-2019 Monitor

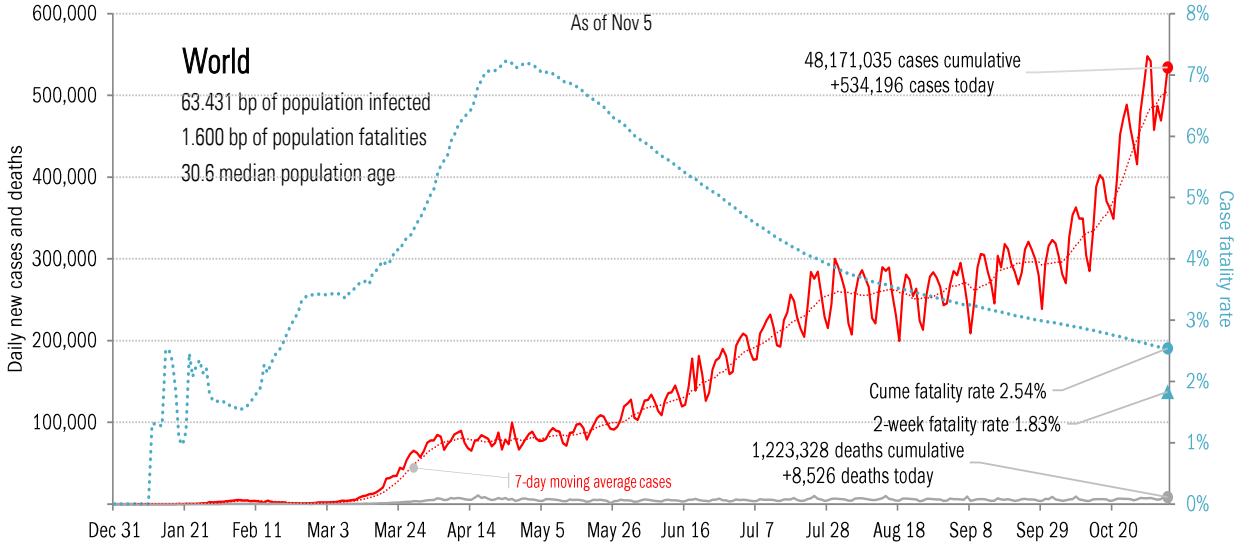
Thursday, November 5, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+102,507	US	+1,102
India	+50,210	India	+704
France	+40,558	Mexico	+635
Italy	+30,548	Brazil	+610
UK	+25,177	UK	+492
Poland	+24,692	Argentina	+468
Brazil	+23,976	Iran	+419
Germany	+19,990	Russia	+389
Russia	+19,768	France	+385
Spain	+18,669	Poland	+373
	+356,095		+5,577
World	+534,196	World	+8,526
Top ten	67%	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

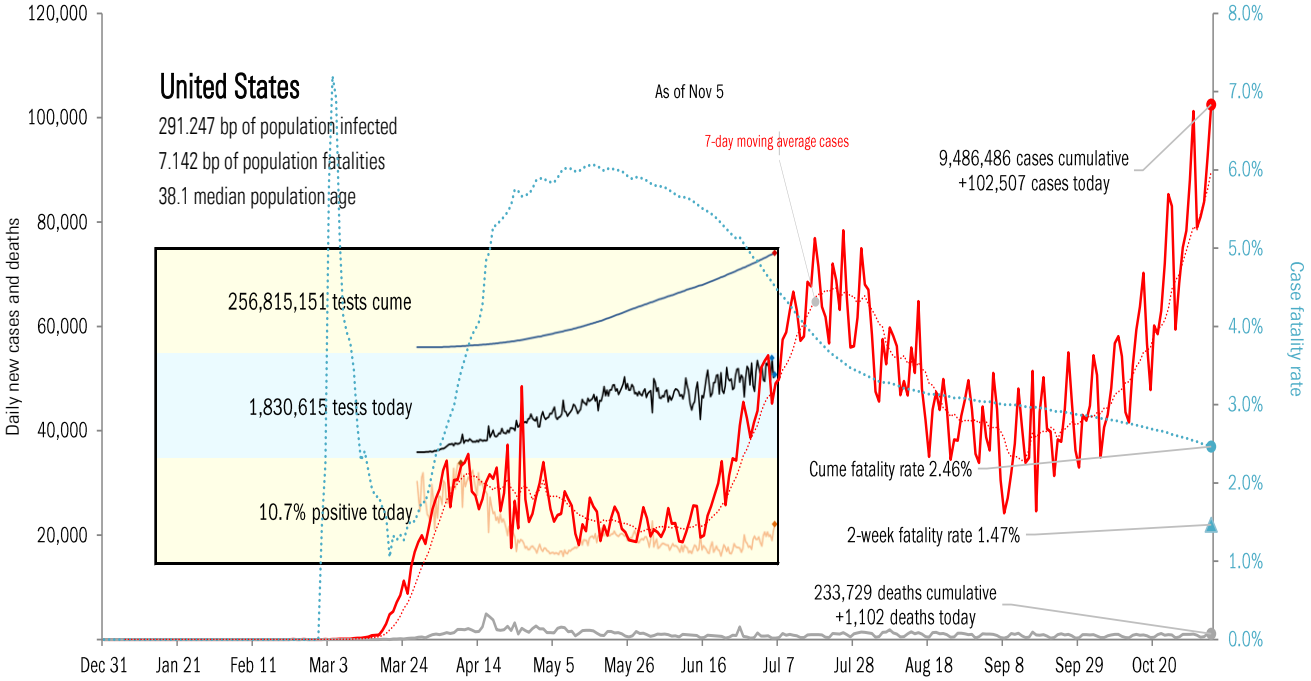
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
TX	+9,627	TX	+126	KS	+194	CA	940,010	NY	25,868	NY	89,995
IL	+7,538	CA	+66	IL	+167	TX	926,400	TX	18,320	FL	50,479
WI	+6,255	WI	+58	MI	+156	FL	810,256	CA	17,752	NJ	37,958
CA	+5,338	IL	+55	CA	+140	NY	515,815	FL	17,131	GA	32,042
MI	+4,397	OH	+55	PA	+114	IL	443,815	NJ	16,391	AZ	21,786
FL	+4,332	NC	+50	AZ	+109	GA	366,452	IL	10,216	VA	21,413
OH	+4,071	GA	+43	TN	+107	NC	282,802	MA	10,062	AL	21,027
MN	+3,827	KS	+41	NJ	+80	TN	269,802	PA	8,890	OH	19,801
IN	+3,698	AZ	+39	CO	+67	WI	257,287	GA	8,522	IN	17,613
TN	+3,445	PA	+35	MN	+56	AZ	250,633	MI	7,782	MD	17,363
	+52,528		+568		+1,190		5,063,272		140,934		329,477
All states	+103,087	All states	+1,116	All states	+1,709	All states	9,424,893	All states	225,831	All states	483,680
Top ten	51%	Top ten	51%	Top ten	70%	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	
AZ	-864	GA	-437	TX	-230	KS	+6
PR	-694	TN	-51	WI	-169	AR	+5
WA	-382	FL	-24	OH	-116	UT	+5
FL	-221	IN	-24	IN	-78	AL	+4
NY	-195	MI	-24	SD	-75	AK	+0



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

Recommended reading

The Fog of Worship With Facemasks
Mike Kerrigan
Wall Street Journal
November 4, 2020

Switzerland holds out against following its neighbours into new lockdown
Sam Jones
Financial Times
November 4, 2020

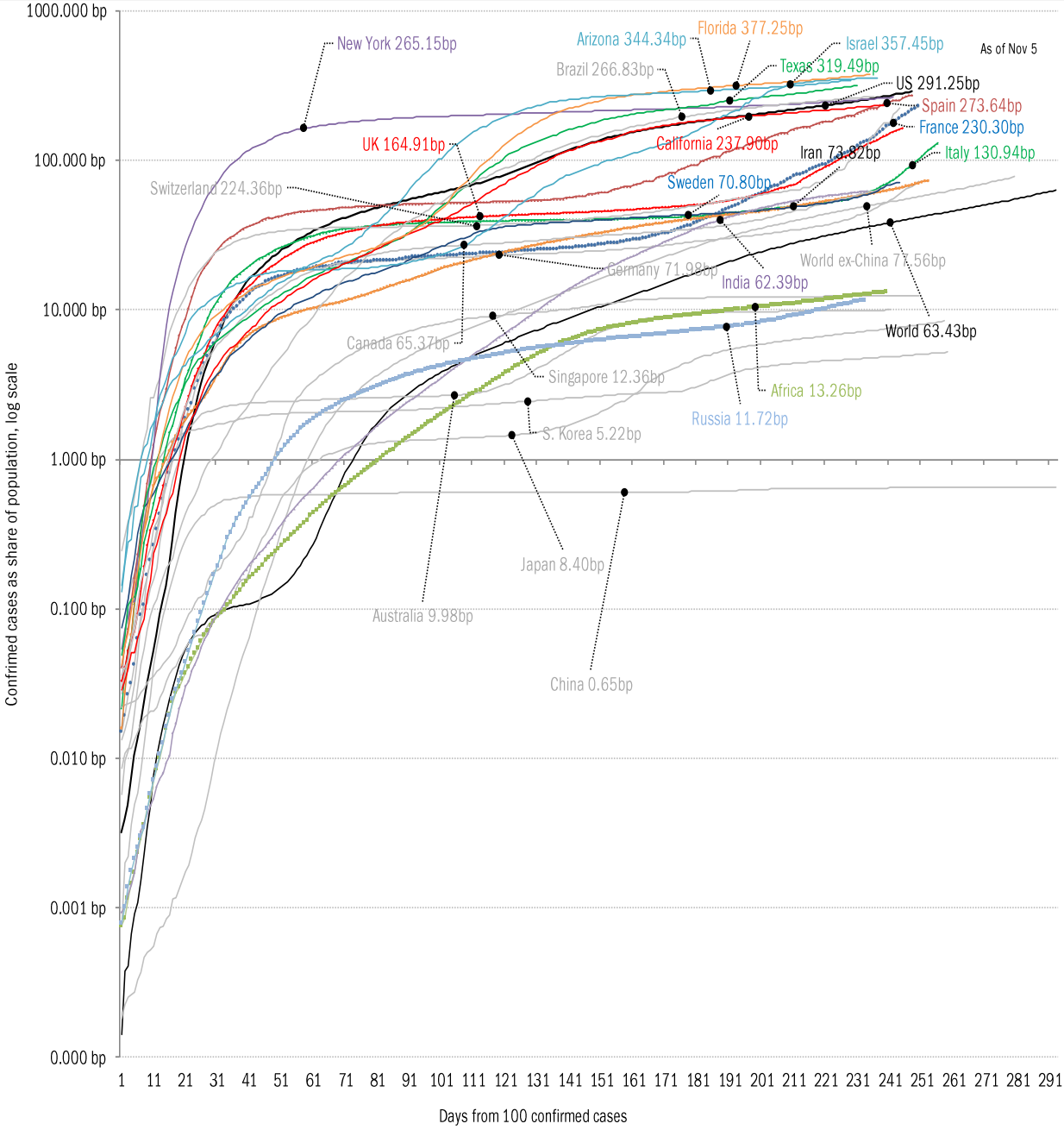
Chock-a-blockdown! Tens of thousands of motorists trying to flee London before midnight spark 1,200 MILES of queues across city's roads with 90-minute delays in 'worst congestion ever'
Isabella Nokolic
Daily Mail
November 4, 2020

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

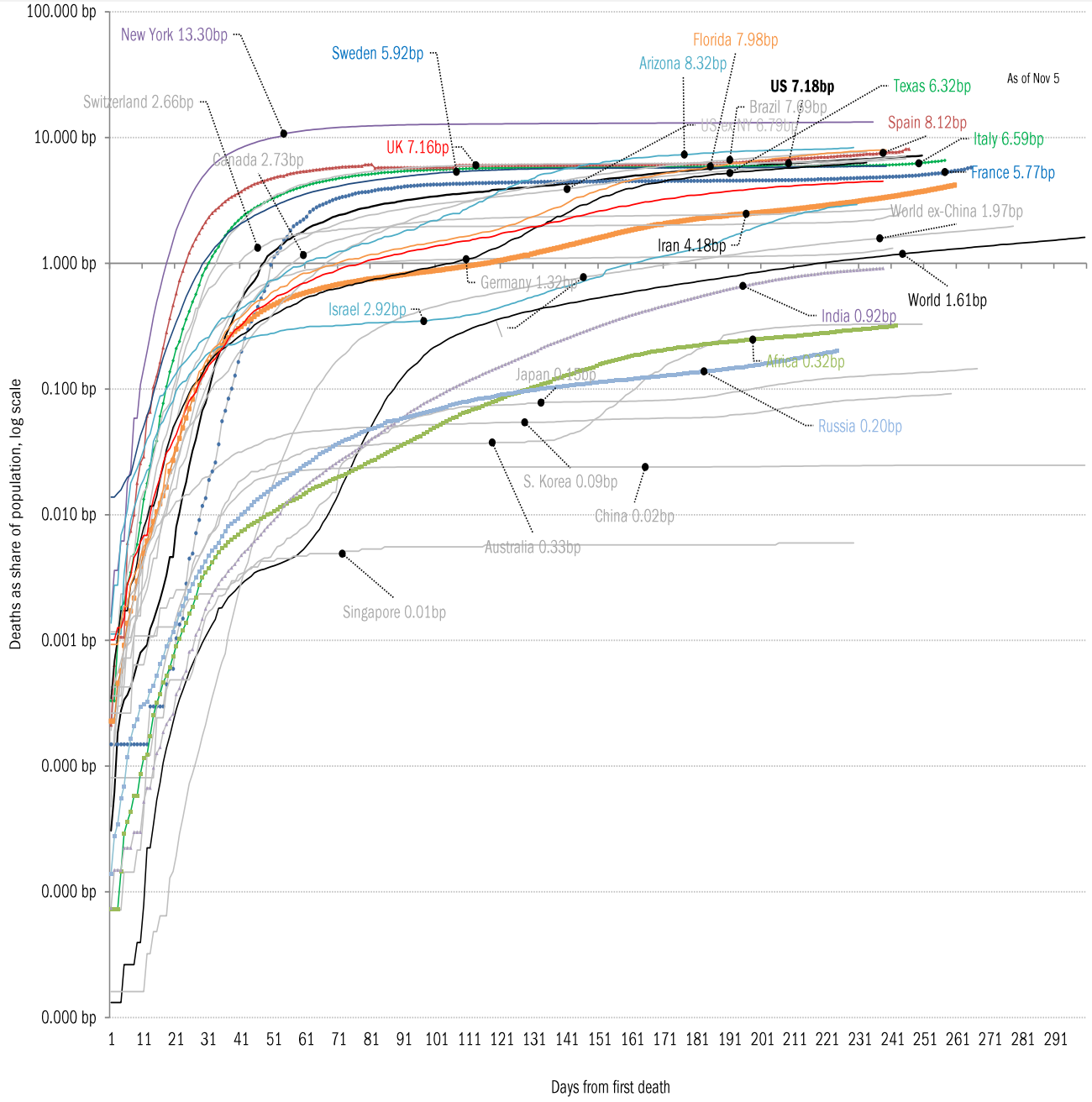
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

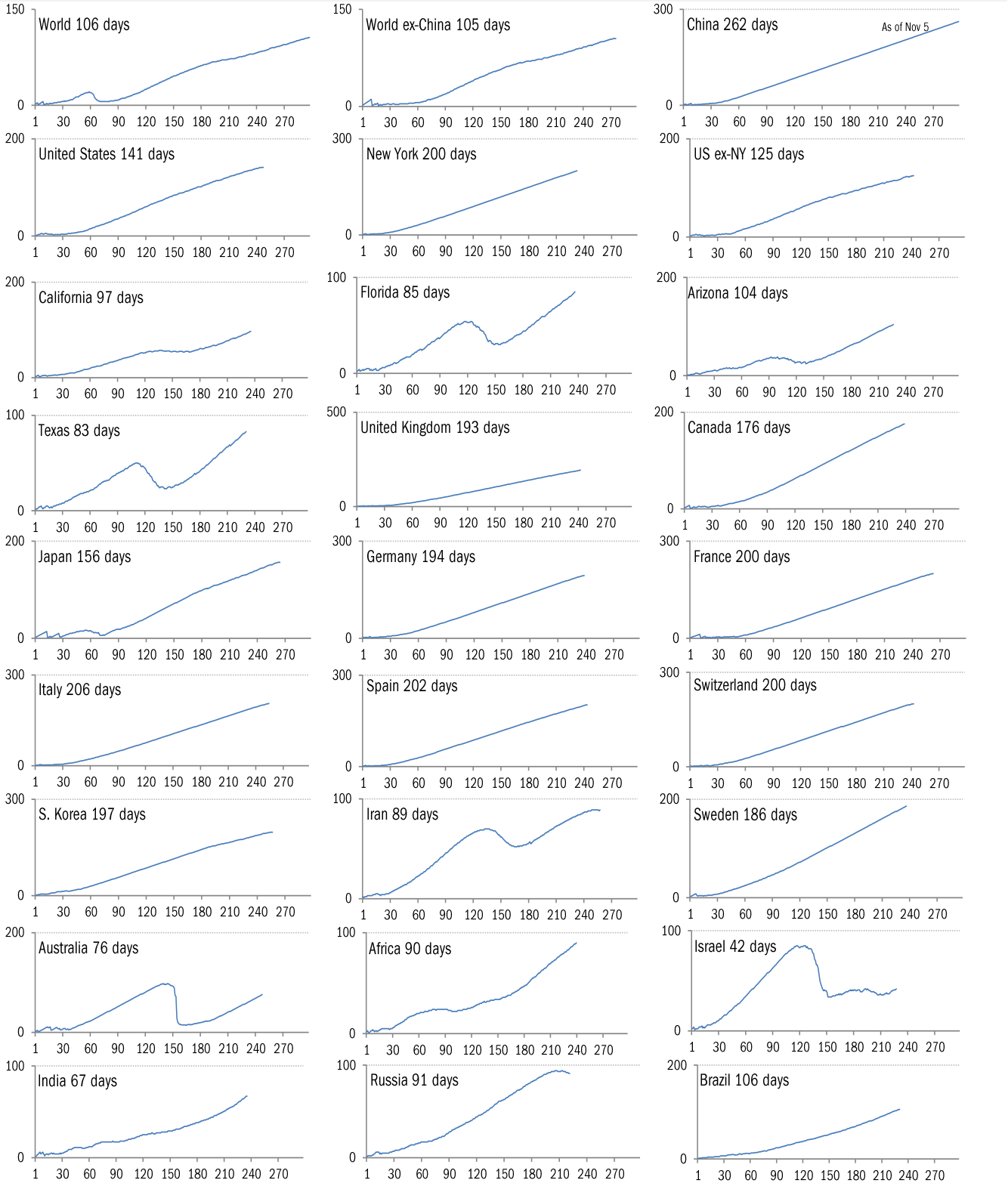


Source: ECDC, TrendMacro calculations

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

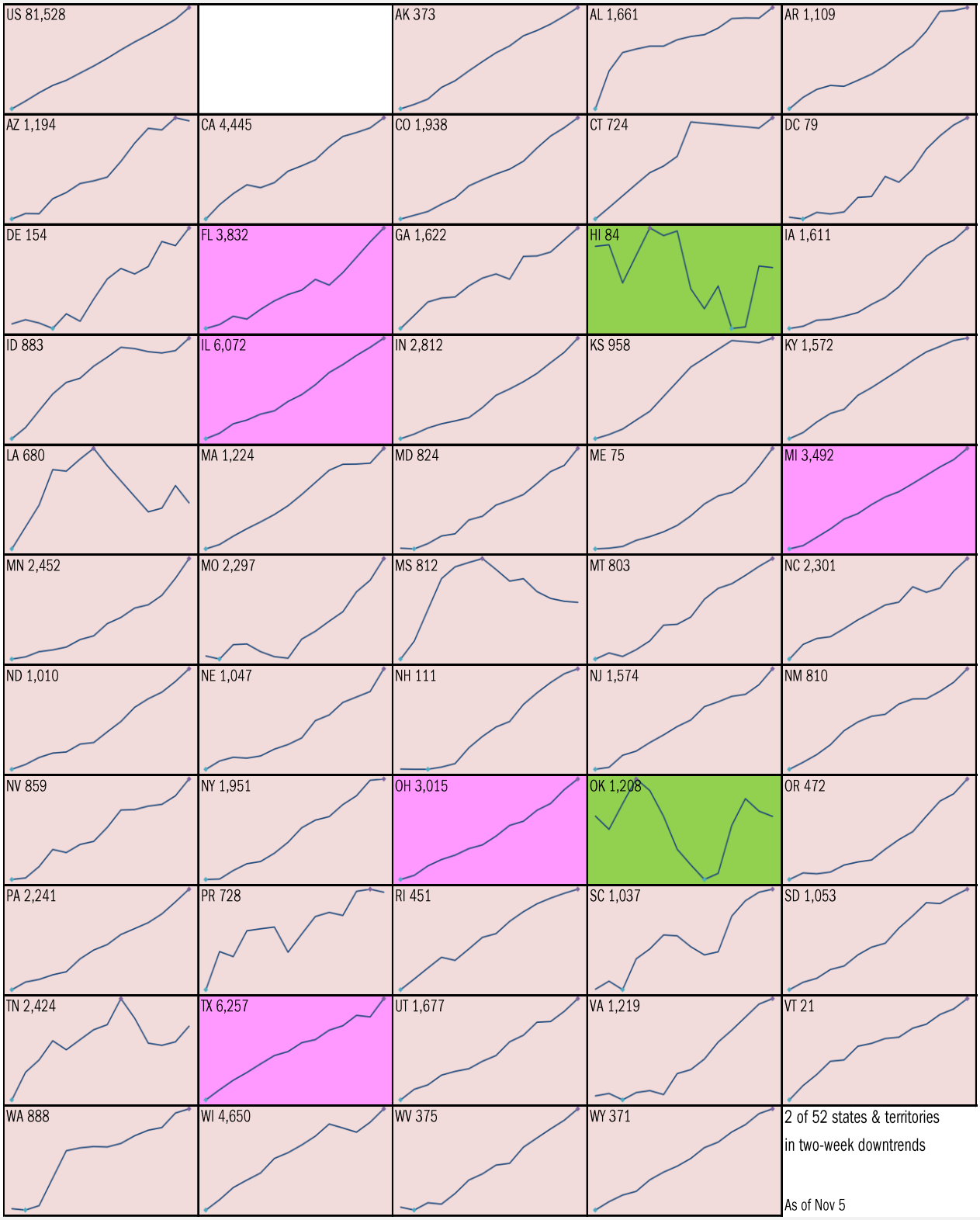


Source: ECDC, TrendMacro calculations

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

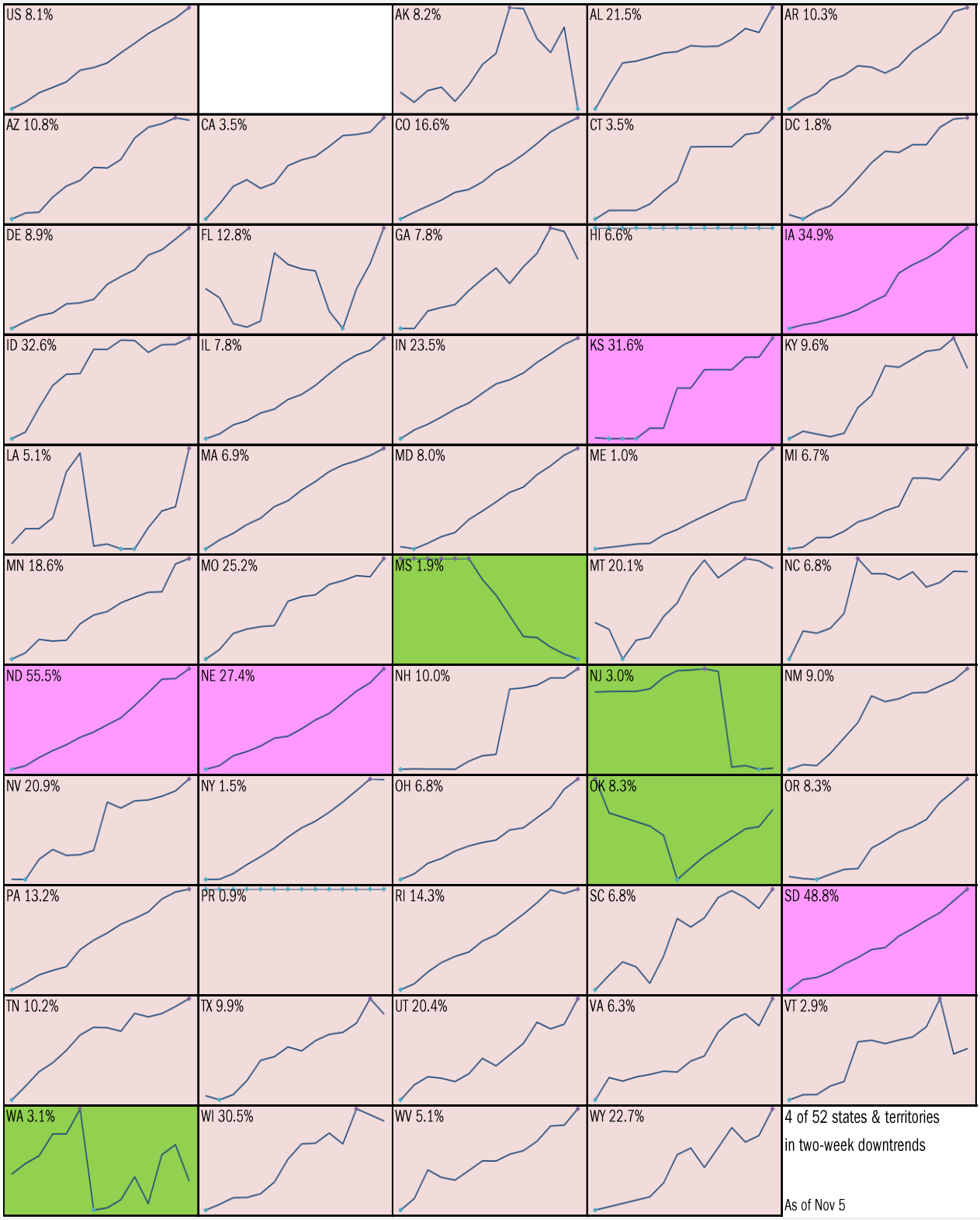


Source: Covid Tracking Project, TrendMacro calculations

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

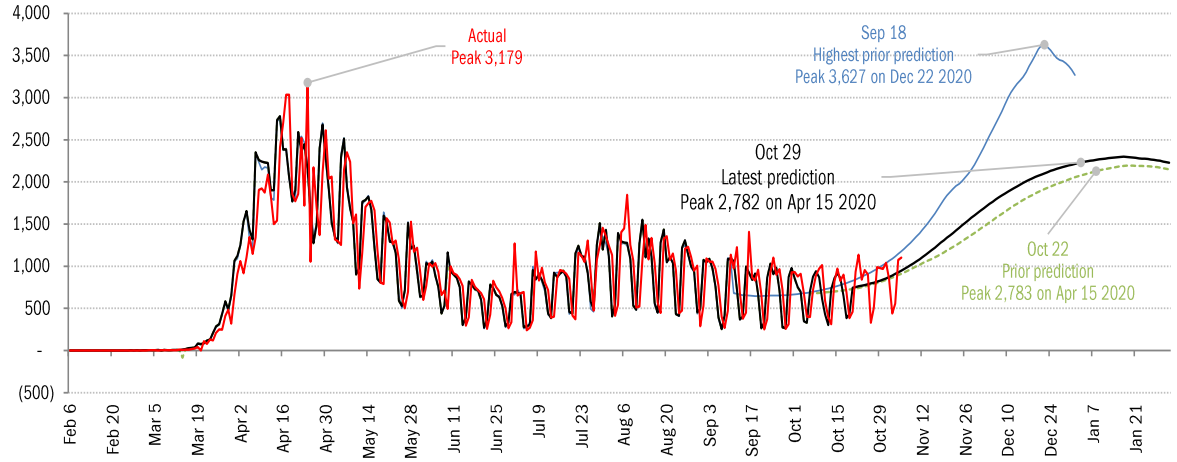


Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

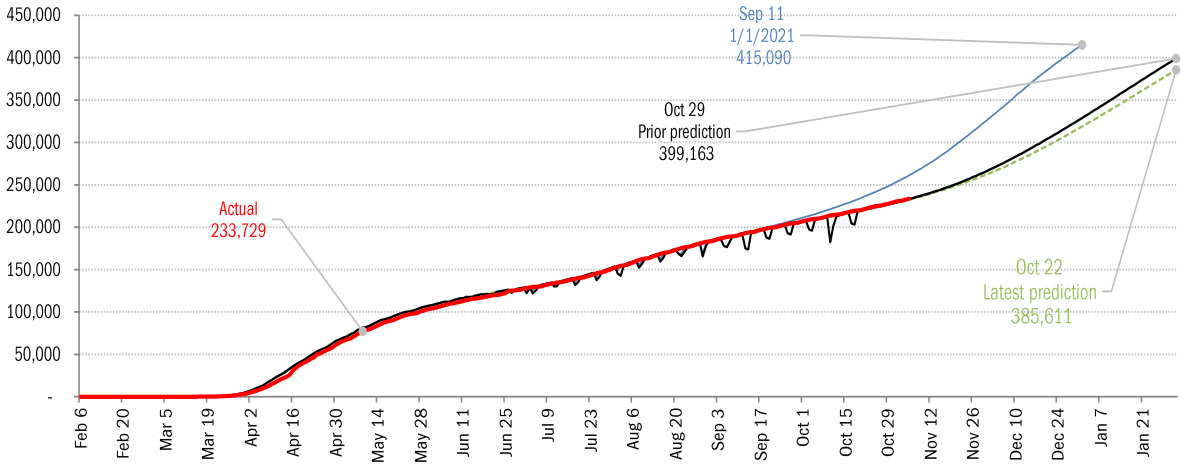
New daily fatalities As of Nov 5

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

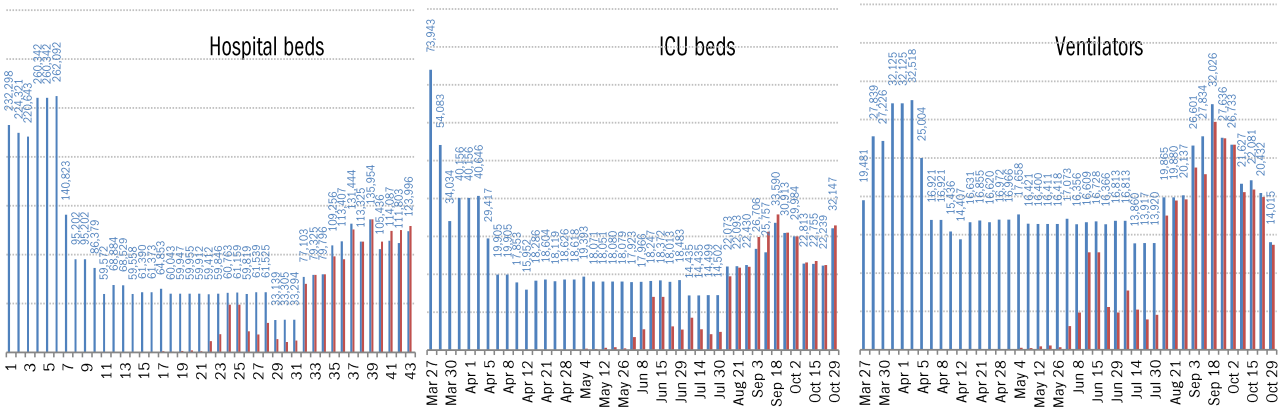


Cumulative fatalities

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

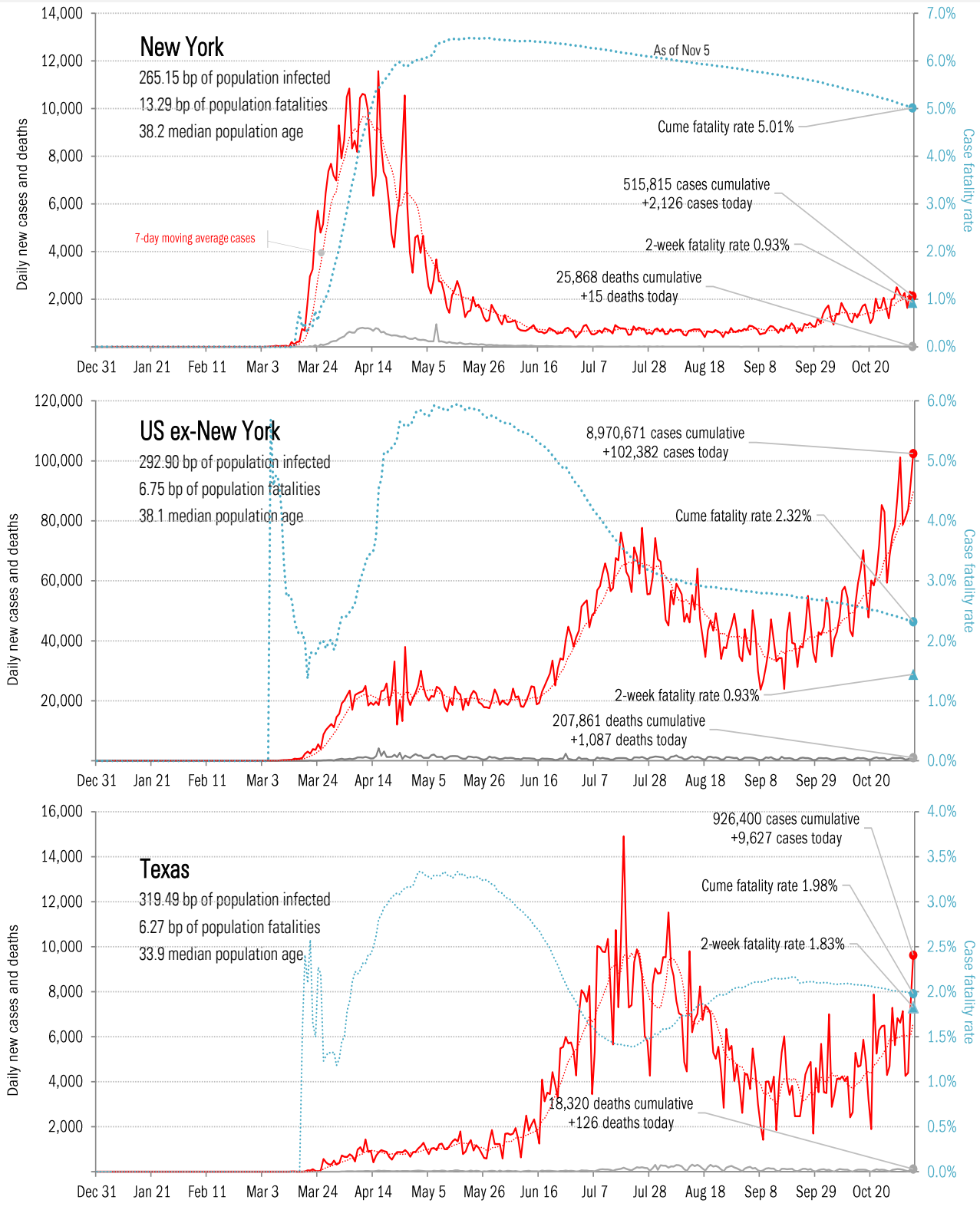


Healthcare system stress, peak and ultimate estimated at each model revision



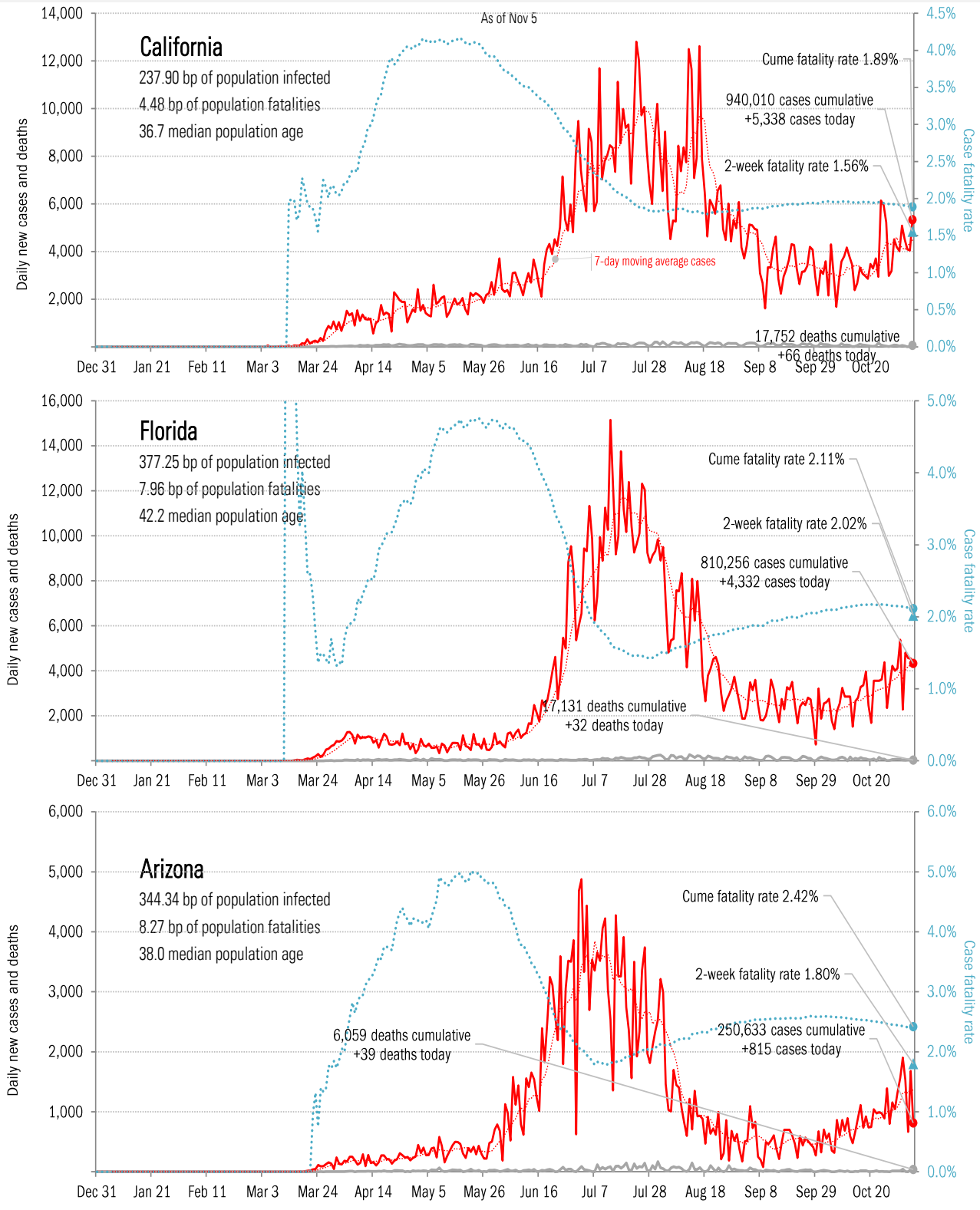
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



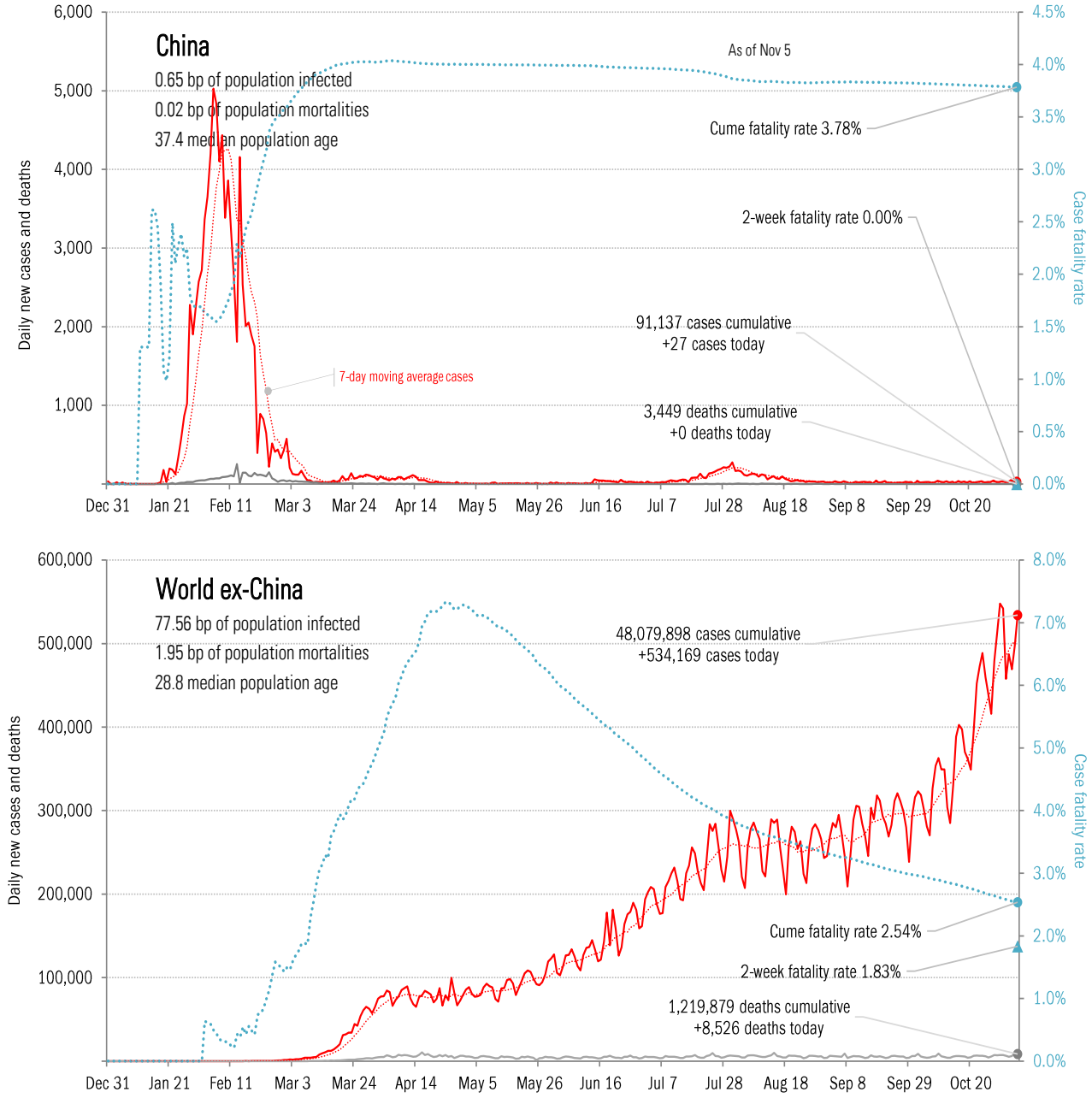
Source: ECDC, TrendMacro calculations

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



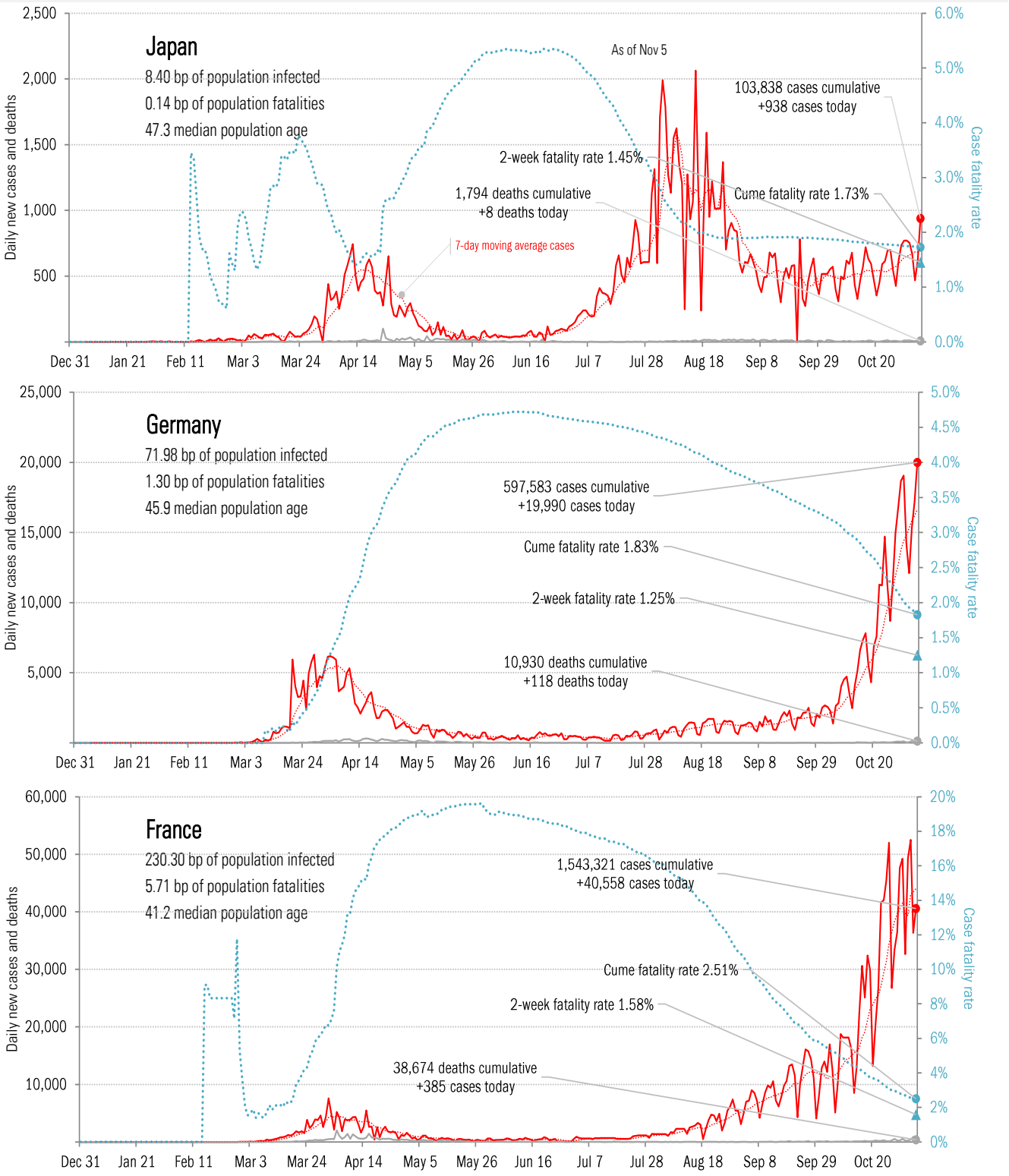
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



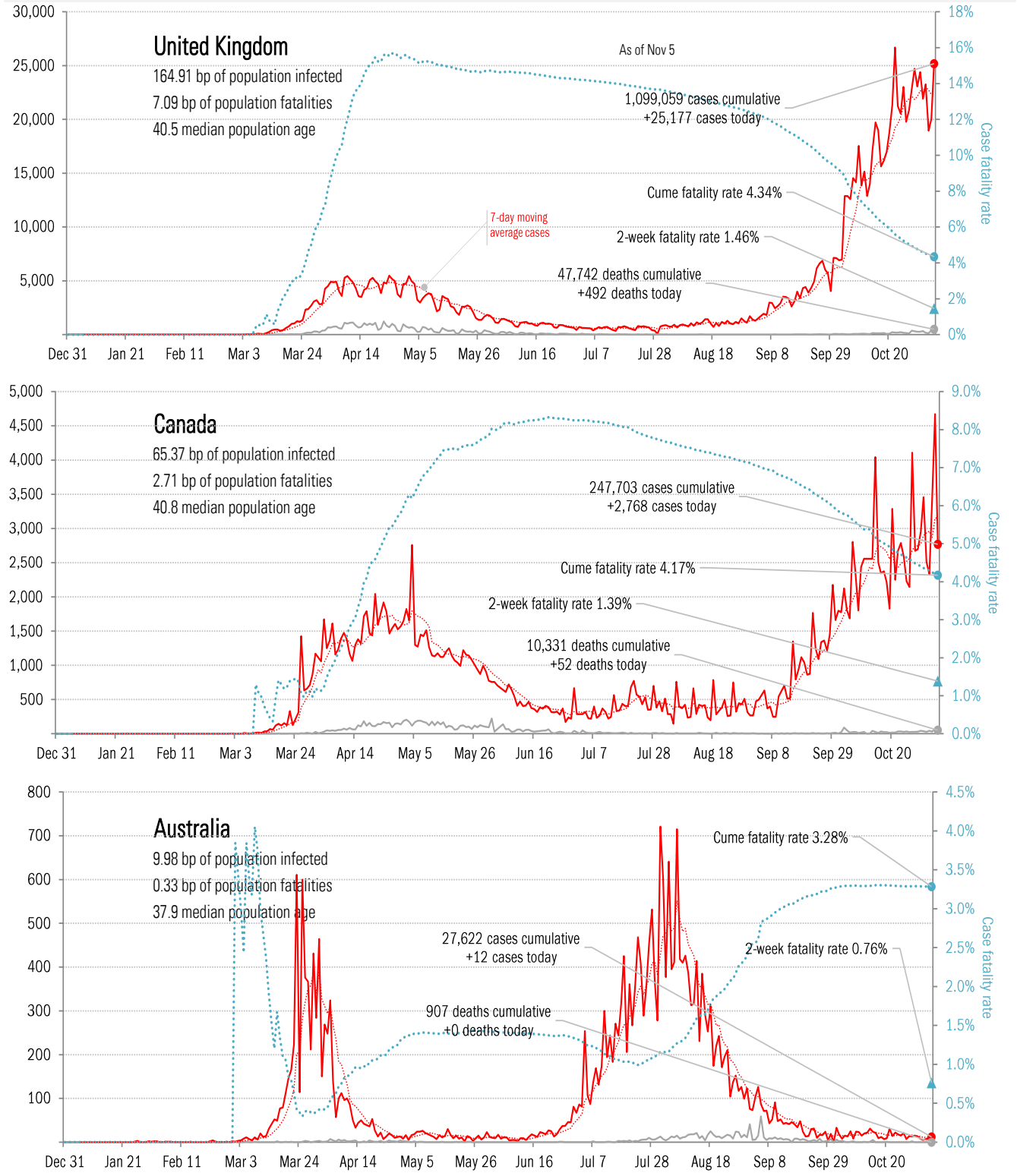
Source: ECDC, TrendMacro calculations

Impact in the largest economies



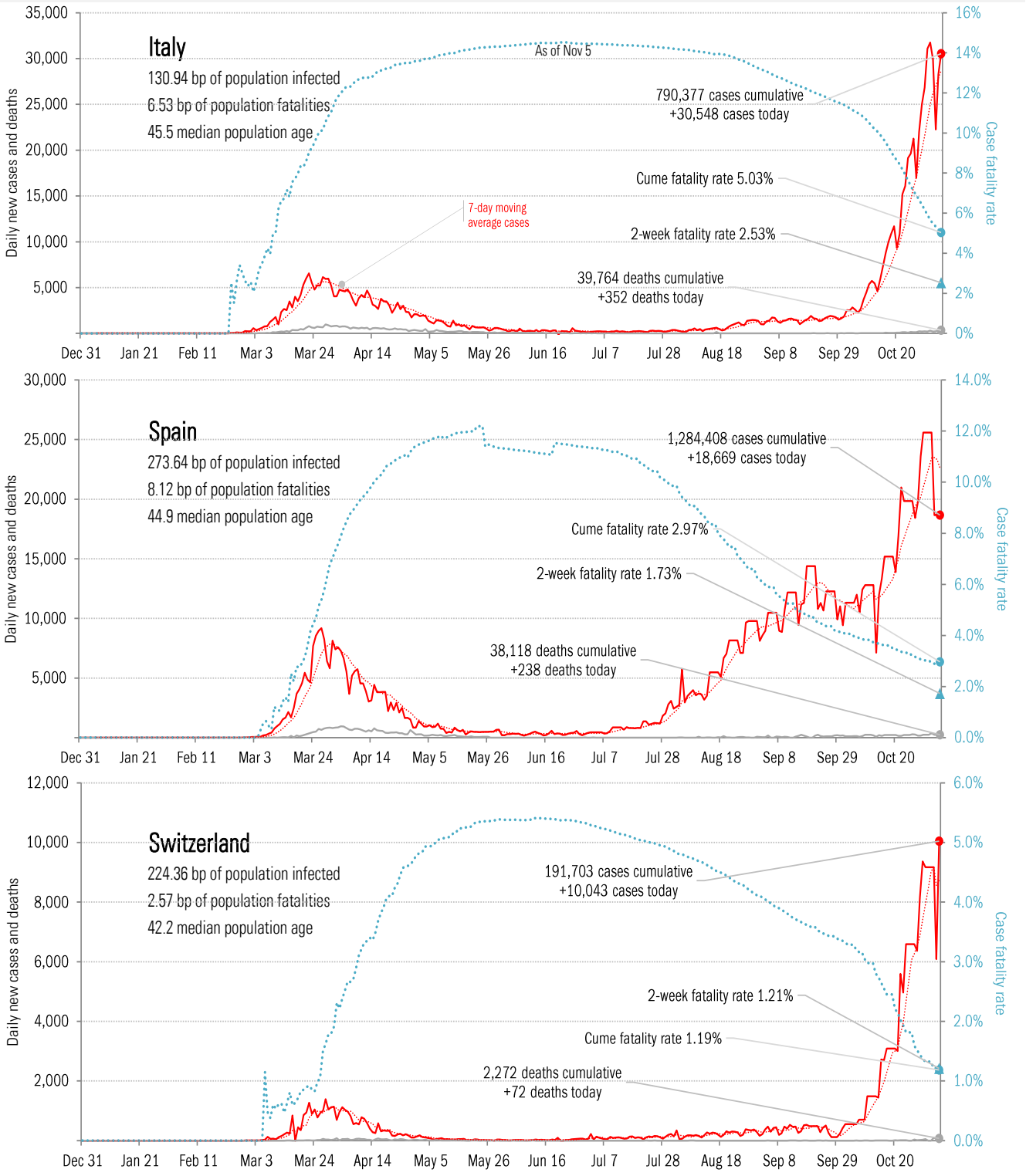
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



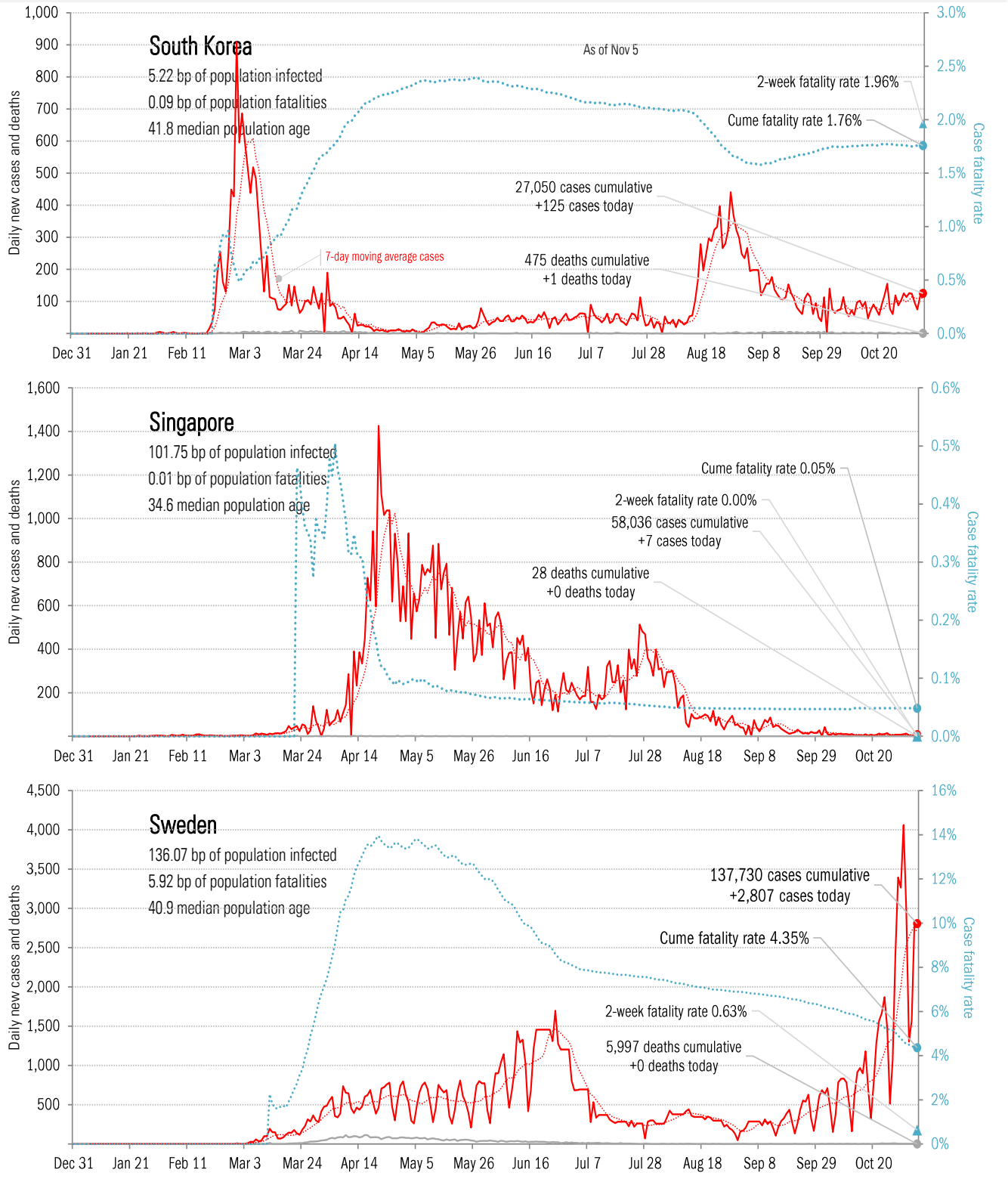
Source: ECDC, TrendMacro calculations

Impact in continental Europe



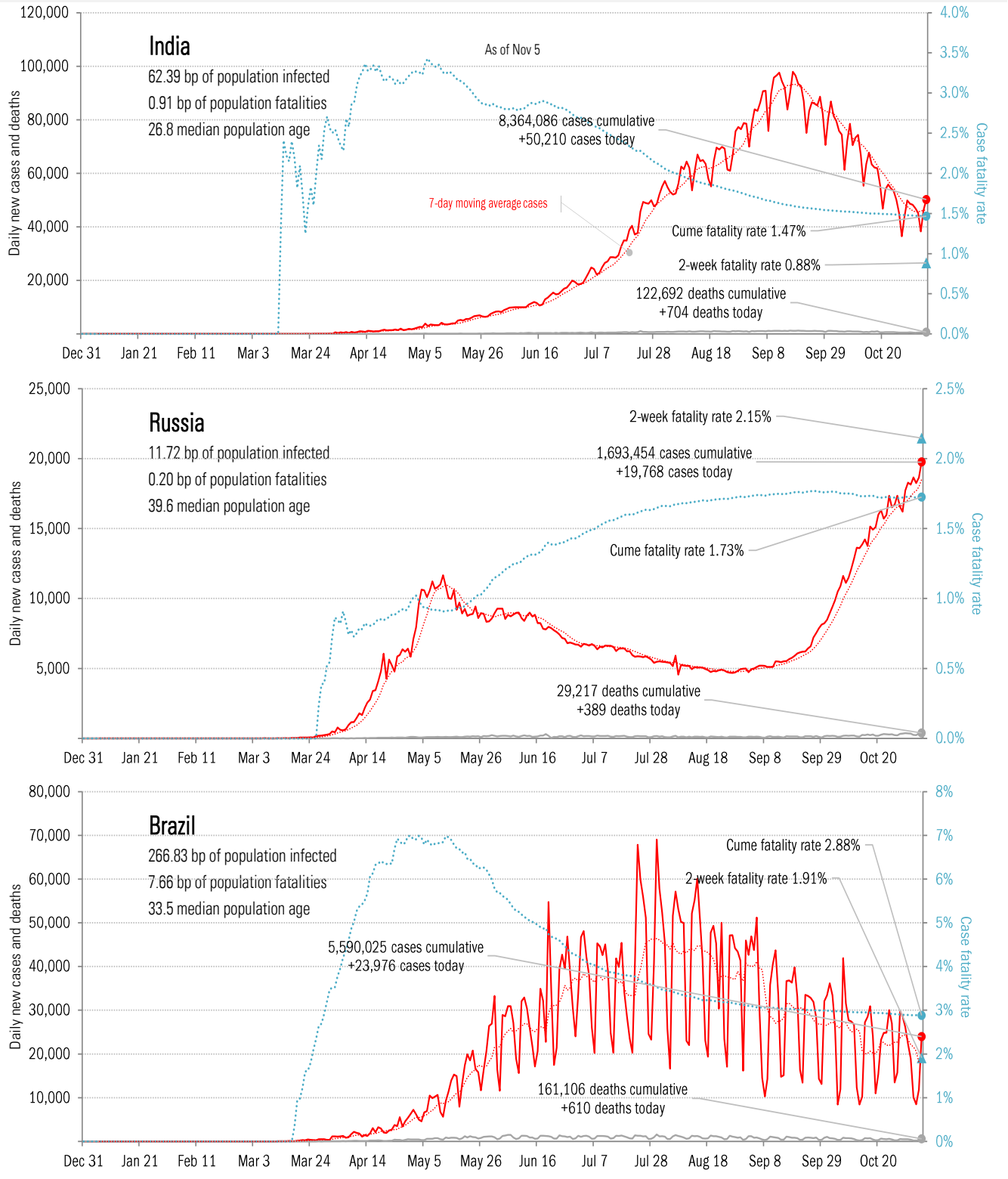
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



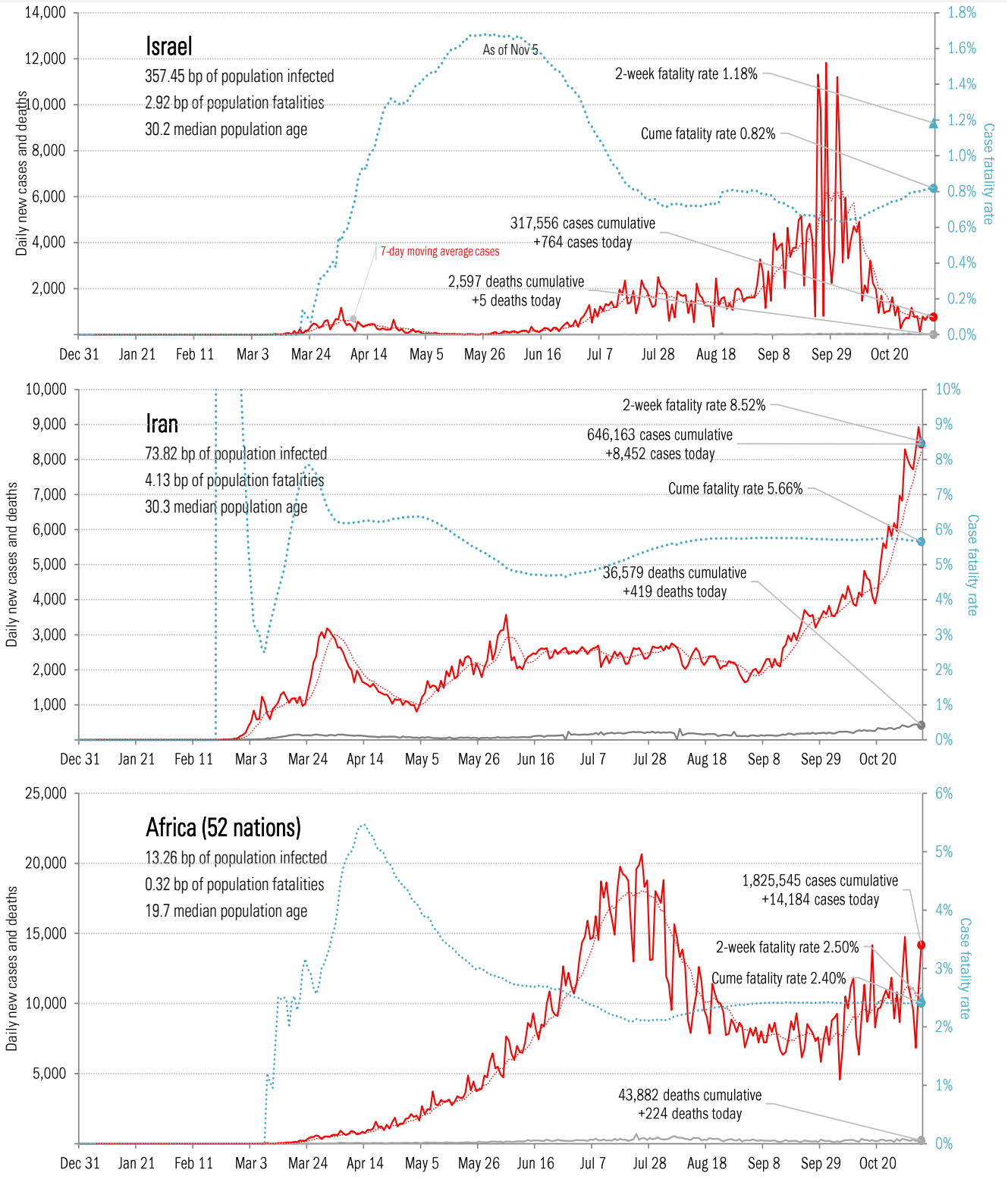
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations