Trend Macrolytics, LLC
Donald Luskin, Chief Investment Officer
Thomas Demas, Managing Director
Michael Warren, Energy Strategist

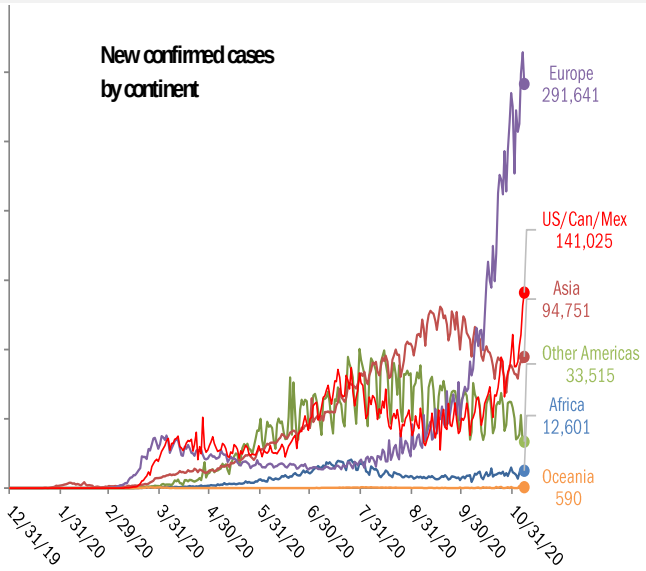
Data Insights: Covid-2019 Monitor

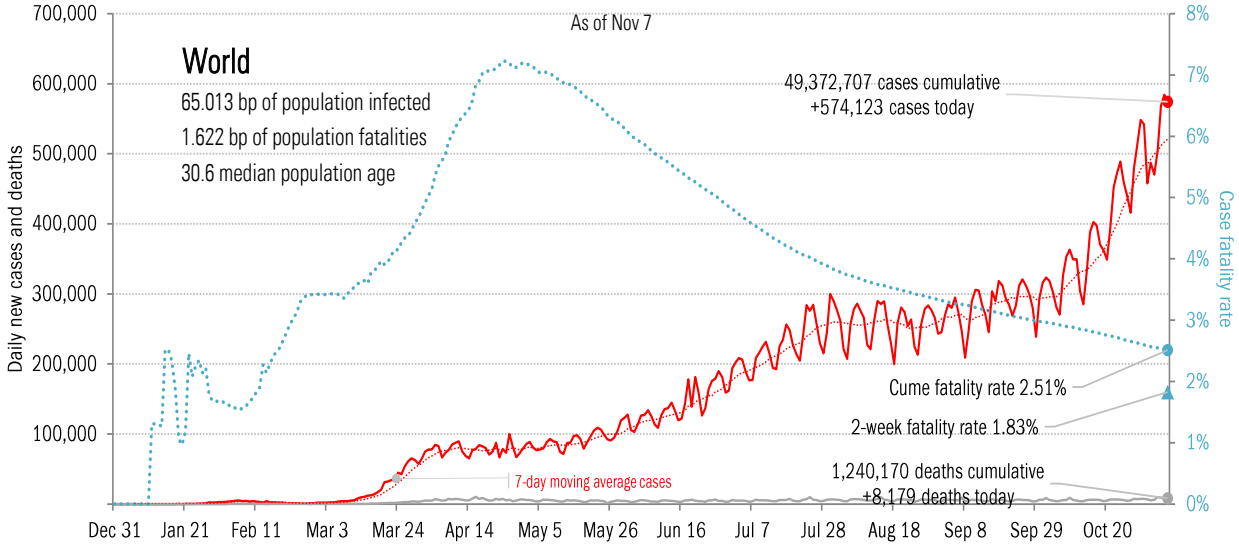
Saturday, November 7, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+130,623	US	+1,162
France	+60,486	France	+828
India	+50,356	India	+577
Italy	+37,802	Mexico	+551
Poland	+27,086	Italy	+446
Germany	+23,399	Poland	+445
UK	+23,287	Iran	+424
Spain	+22,516	Russia	+378
Russia	+20,582	Argentina	+370
Argentina	+11,786	UK	+355
	+407,923		+5,536
World	+574,123	World	+8,179
Top ten	71%	Top ten	68%





Source: ECDC, TrendMacro calculations

For more information contact us:
Donald Luskin: 312 273 6766 don@trendmacro.com
Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

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

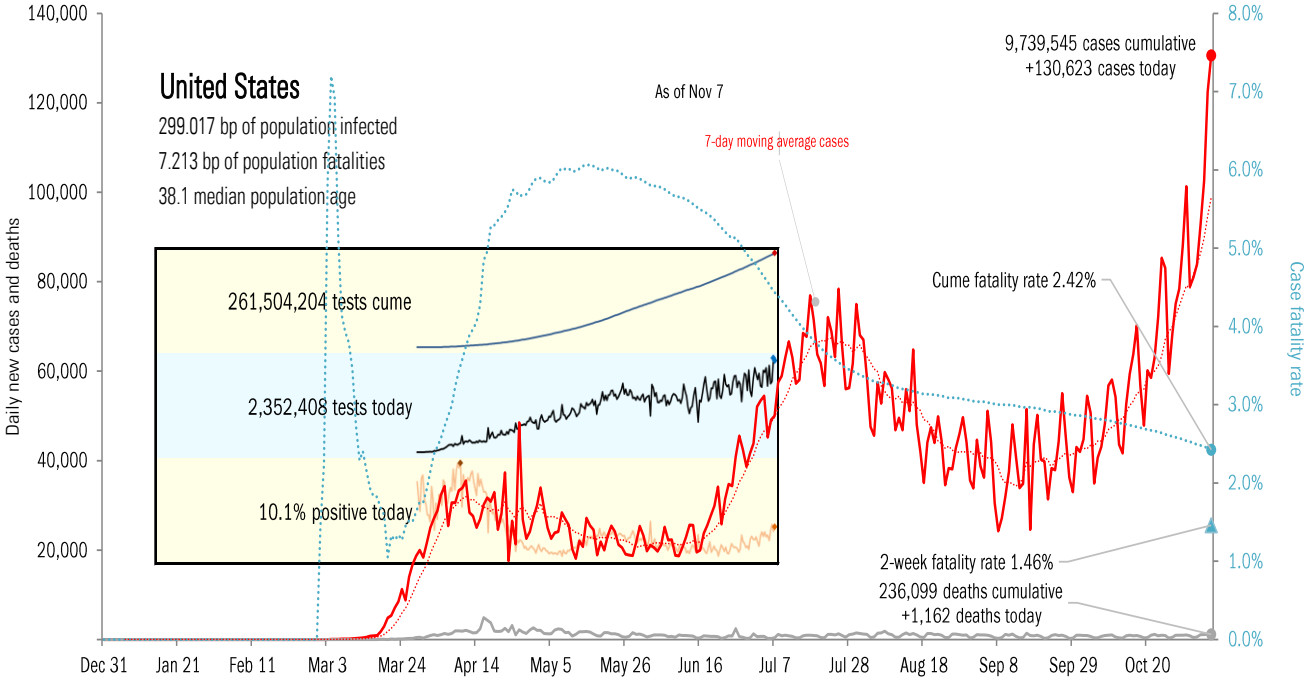
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
IL	+11,790	TX	+136	IL	+199	CA	951,094	NY	25,910	NY	89,995
TX	+7,545	IL	+84	MI	+145	TX	942,539	TX	18,589	FL	50,868
CA	+6,518	KS	+79	KS	+126	FL	821,526	CA	17,866	NJ	38,178
WI	+6,411	WI	+64	TX	+116	NY	522,021	FL	17,224	GA	32,317
MN	+5,442	FL	+54	NJ	+112	IL	465,540	NJ	16,416	VA	22,423
KS	+5,418	CA	+51	MN	+107	GA	370,106	IL	10,397	AZ	22,018
FL	+5,150	MI	+47	OH	+95	NC	288,569	MA	10,106	AL	21,294
OH	+5,008	PA	+38	IA	+73	TN	273,144	PA	8,975	OH	20,246
IN	+4,647	IN	+36	GA	+68	WI	269,982	GA	8,608	IN	18,005
MI	+4,246	MN	+36	MO	+60	AZ	254,764	MI	7,880	MD	17,537
	+62,175		+625		+1,101		5,159,285		141,971		332,881
All states	+125,552	All states	+1,186	All states	+1,502	All states	9,666,700	All states	228,141	All states	490,469
Top ten	50%	Top ten	53%	Top ten	73%	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	
MI	-1,857	GA	-26	ID	-141	WI	+4,721
IA	-1,214	VA	-17	OR	-141	TX	+4,397
TX	-1,049	IL	-13	MO	-82	TN	+2,900
FL	-970	CA	-12	PA	-70	OH	+2,112
MS	-645	IN	-11	OK	-59	IN	+1,574



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

Recommended reading

[Pharma Pfizer goes solo on U.S. shot distribution, opting out of government channels](#)
Arlene Weintraub
Fierce Pharma
November 4, 2020

[Critique of Data sending UK into Lockdown Meltdown!](#)
Ivor Cummins
YouTube
November 3, 2020

[No evidence opening K-12 public schools is a factor in NC's increase in virus cases, state health officials say](#)
Maggie Brown
WRAL
November 5, 2020

Meme of day

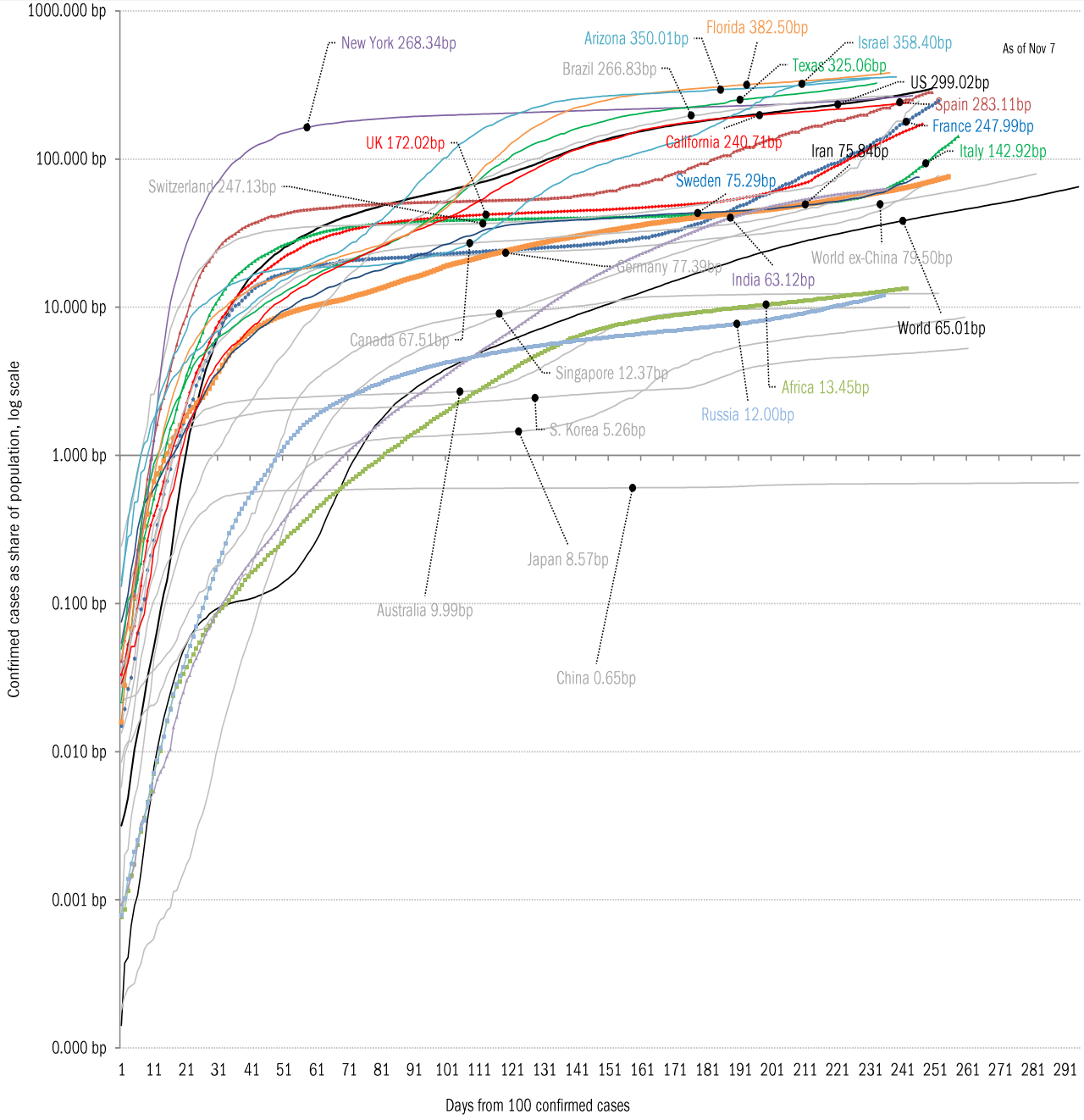
Experts Call For 15 Days Of Counting To Flatten The Curve Of Votes For Trump

U.S.—After a concerning spike in votes for Trump occurred on election night, experts are calling for 15 days of counting to flatten the curve of votes for the "wrong candidate."... Read more

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

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

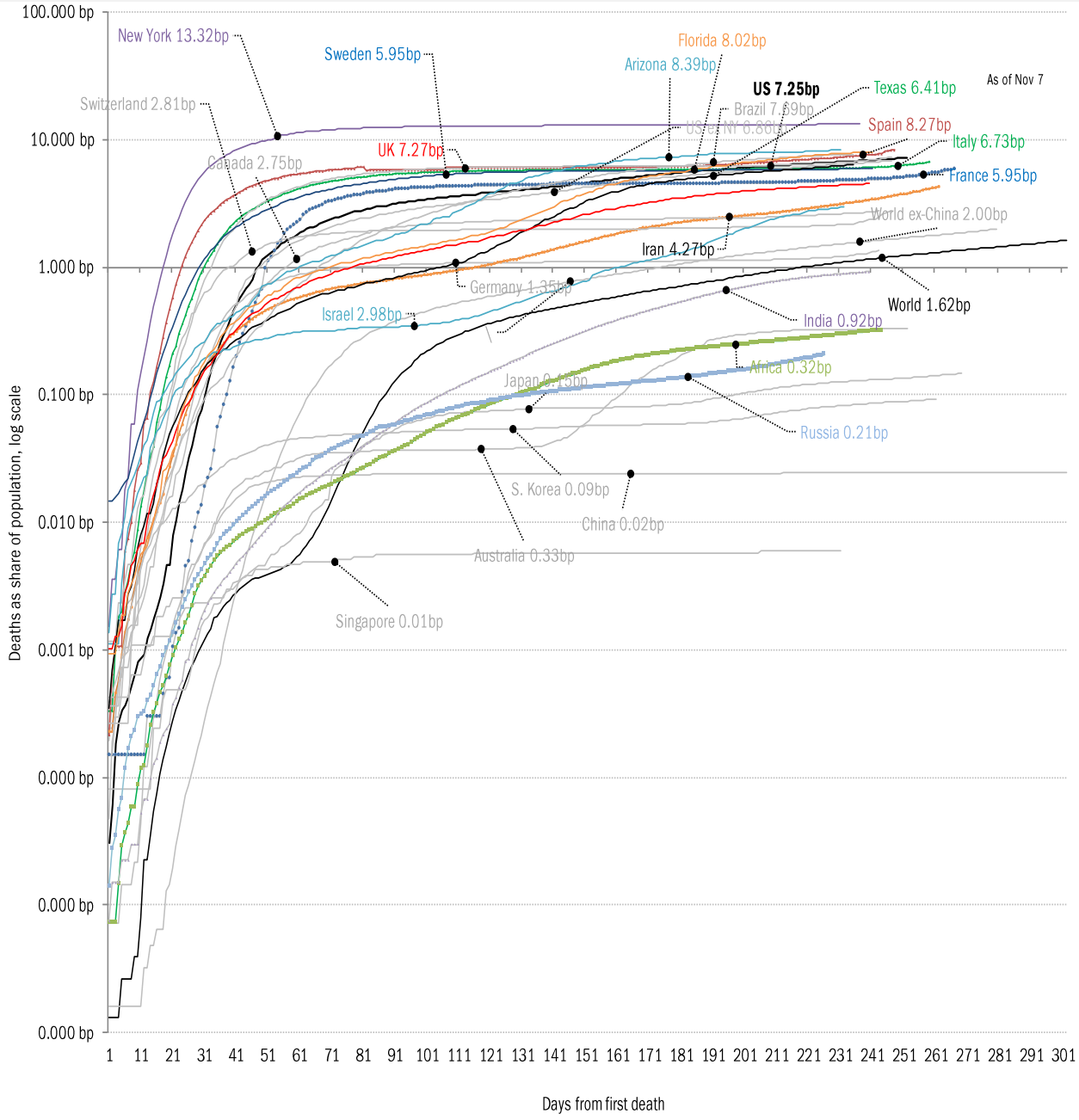
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

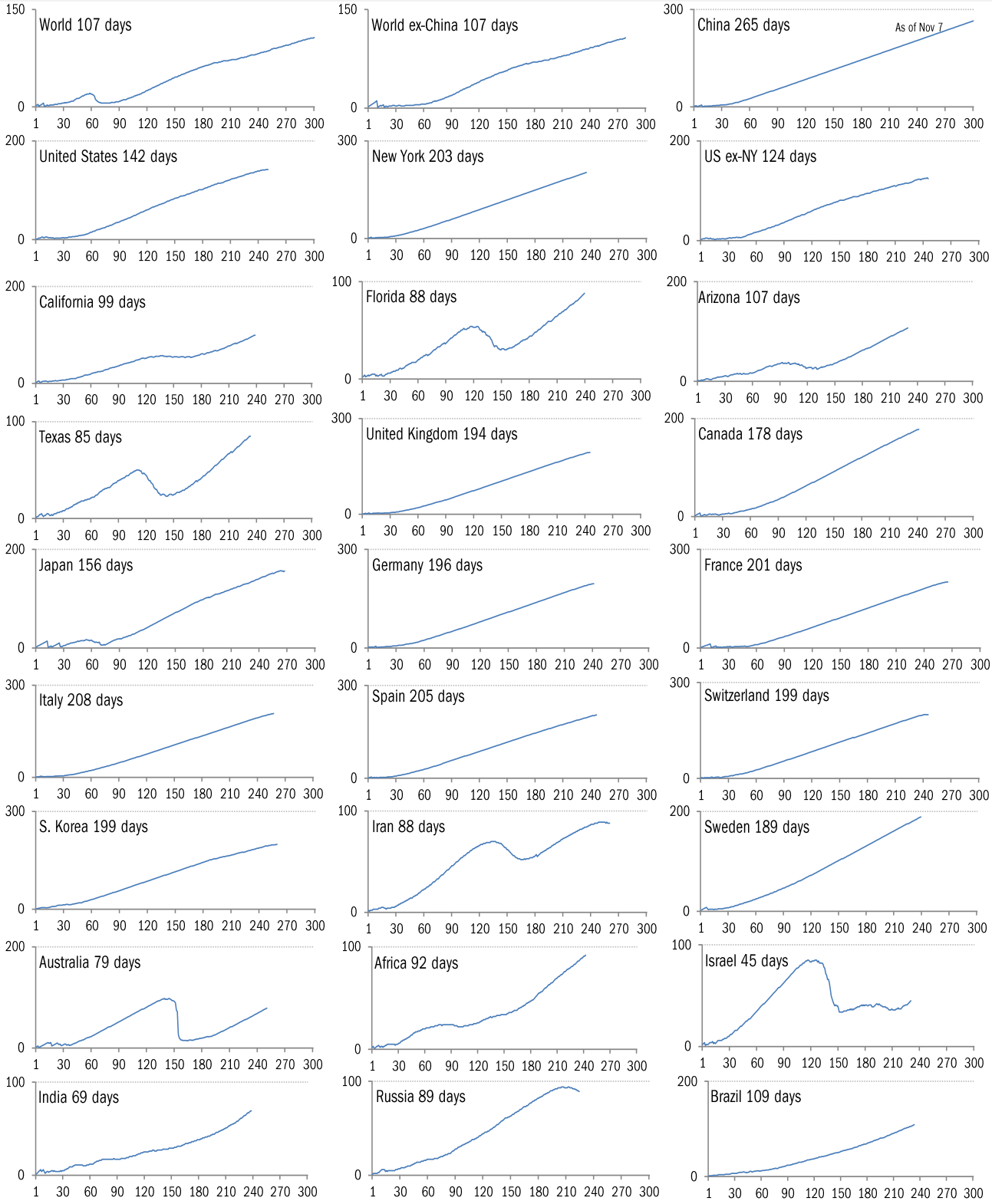


Source: ECDC, TrendMacro calculations

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

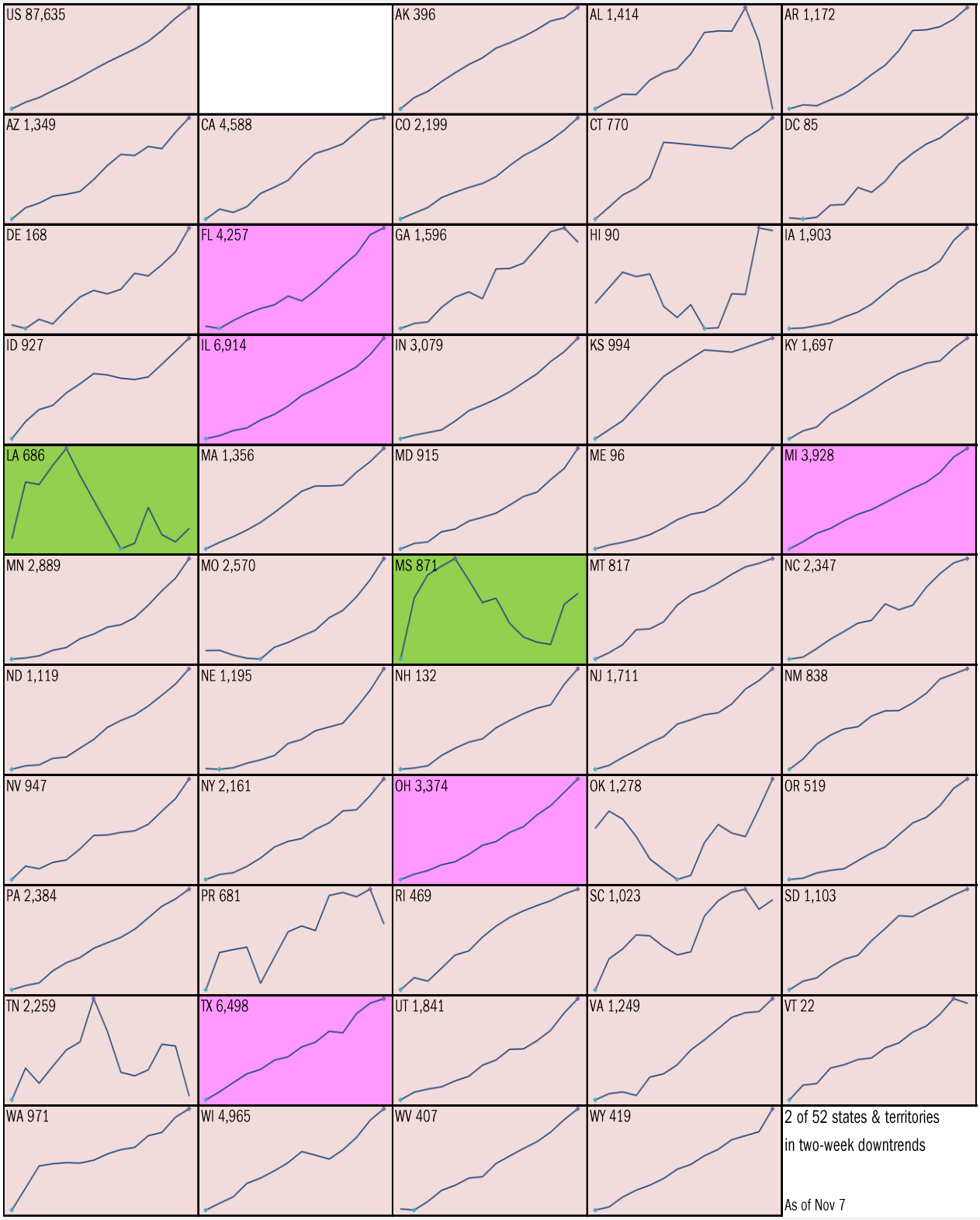


Source: ECDC, TrendMacro calculations

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

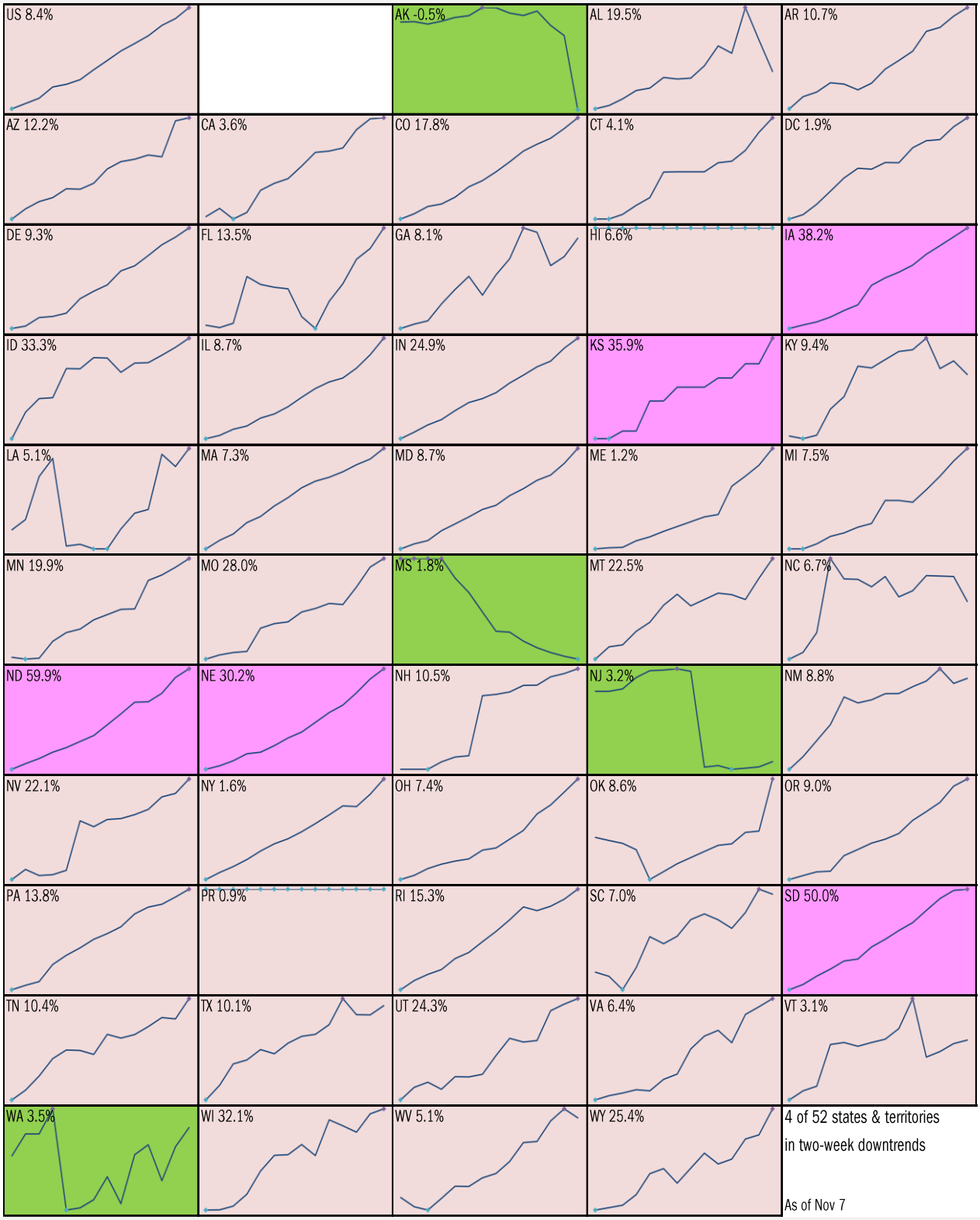


Source: Covid Tracking Project, TrendMacro calculations

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

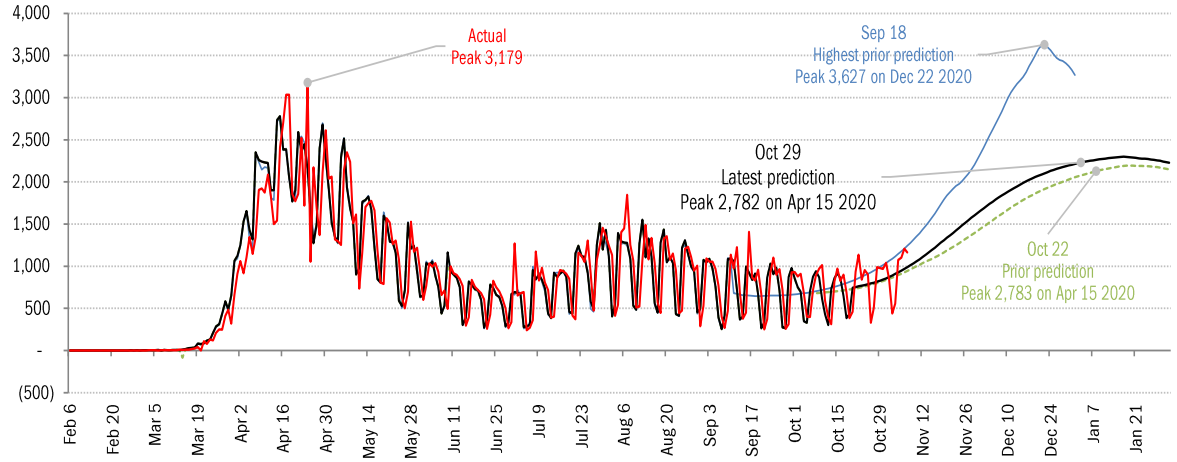


Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

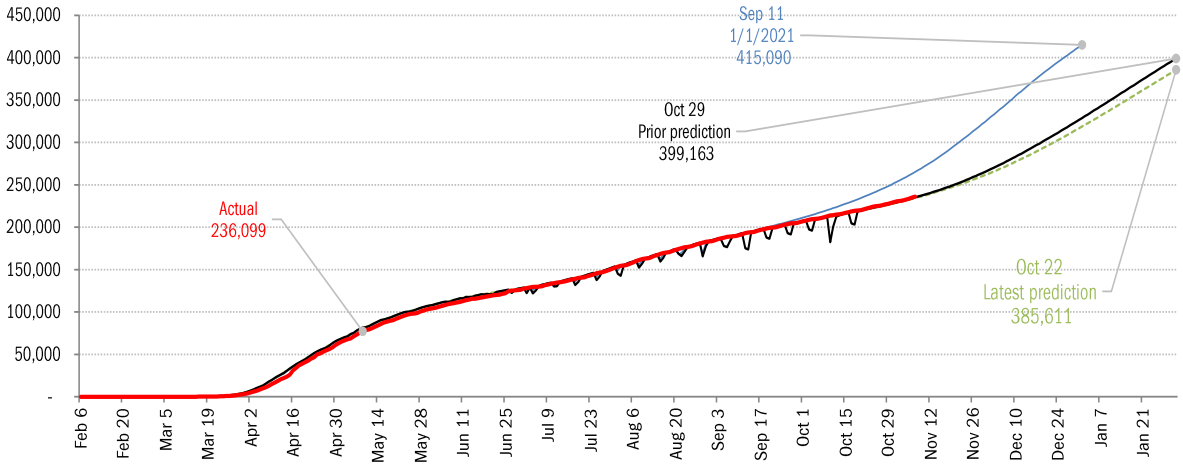
New daily fatalities As of Nov 7

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

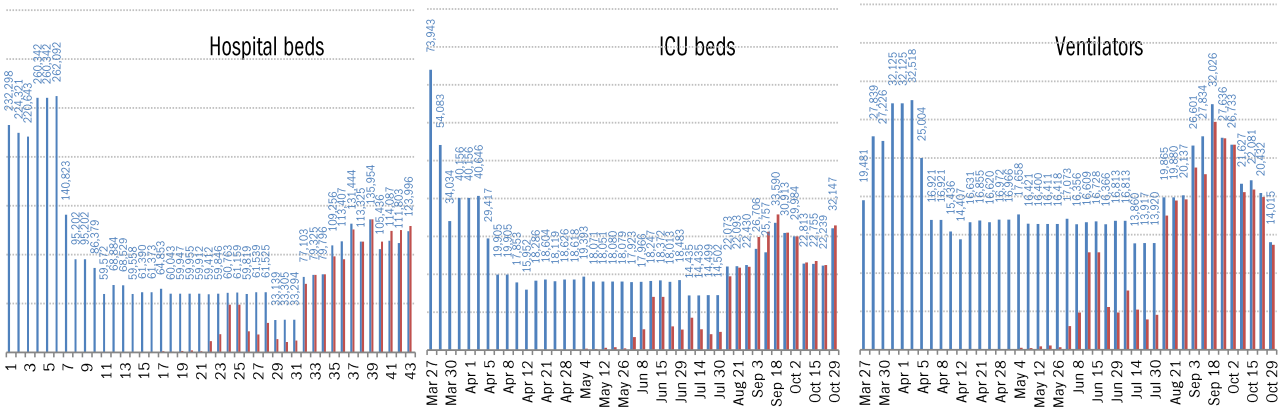


Cumulative fatalities

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

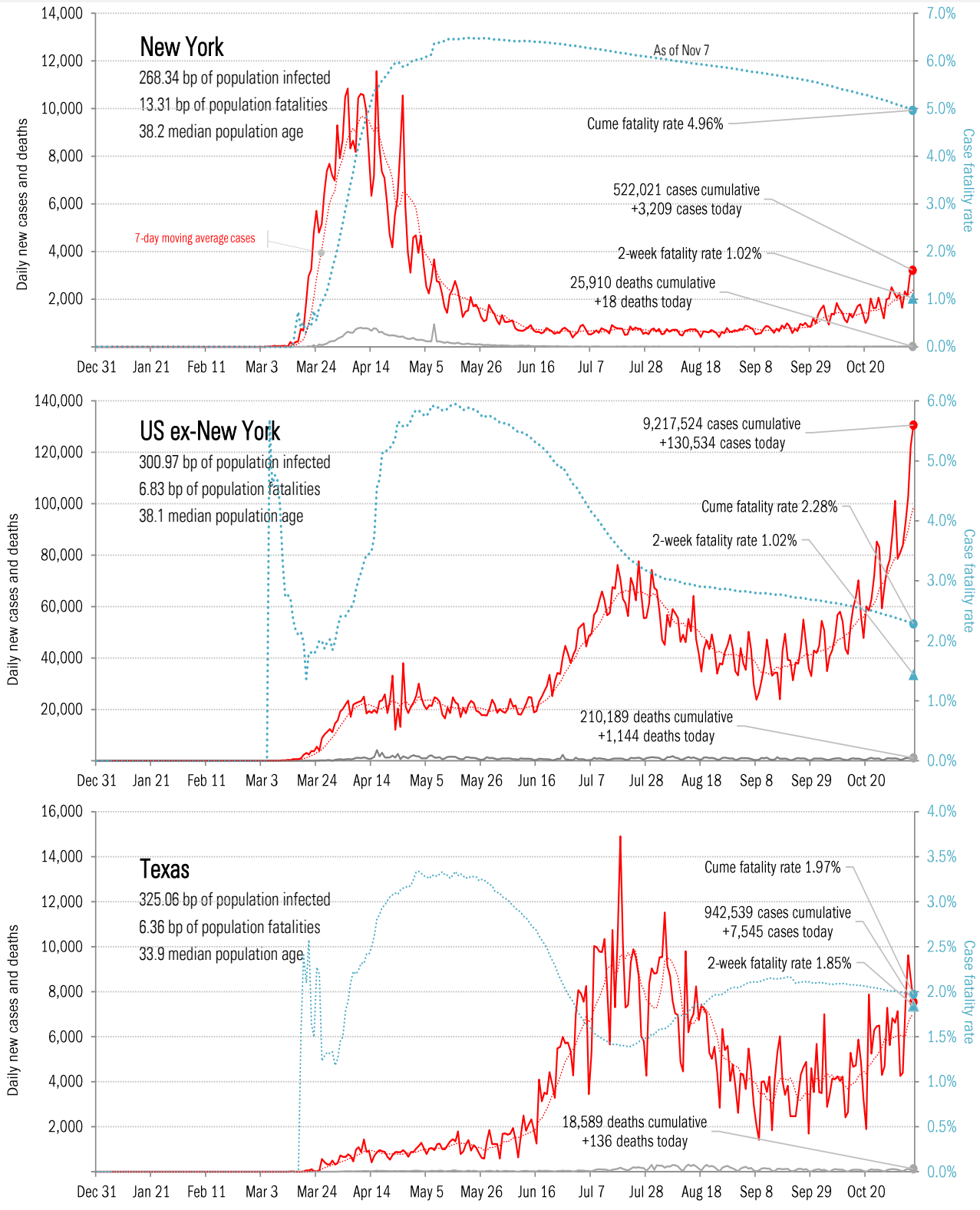


Healthcare system stress, peak and ultimate estimated at each model revision



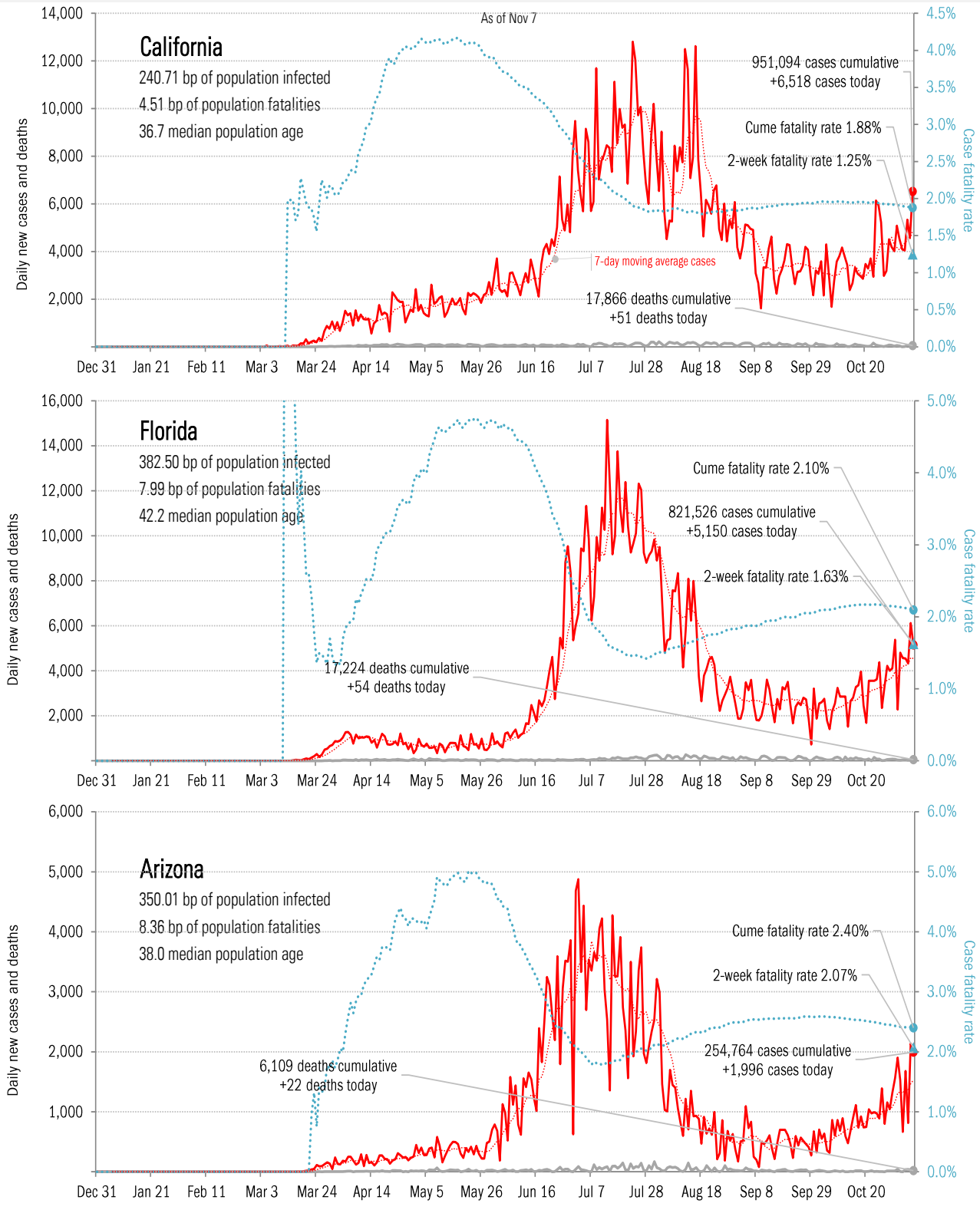
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



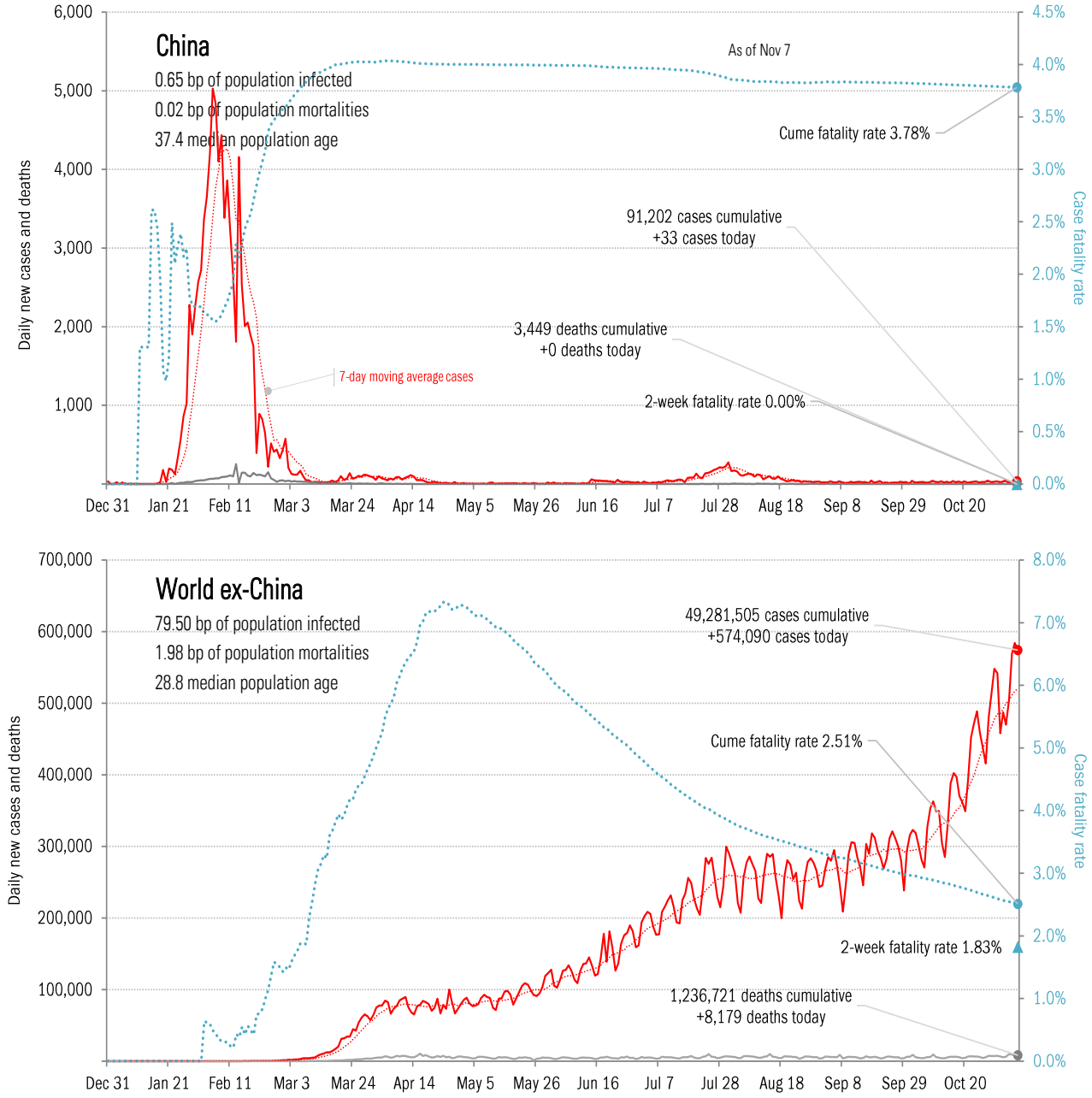
Source: ECDC, TrendMacro calculations

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



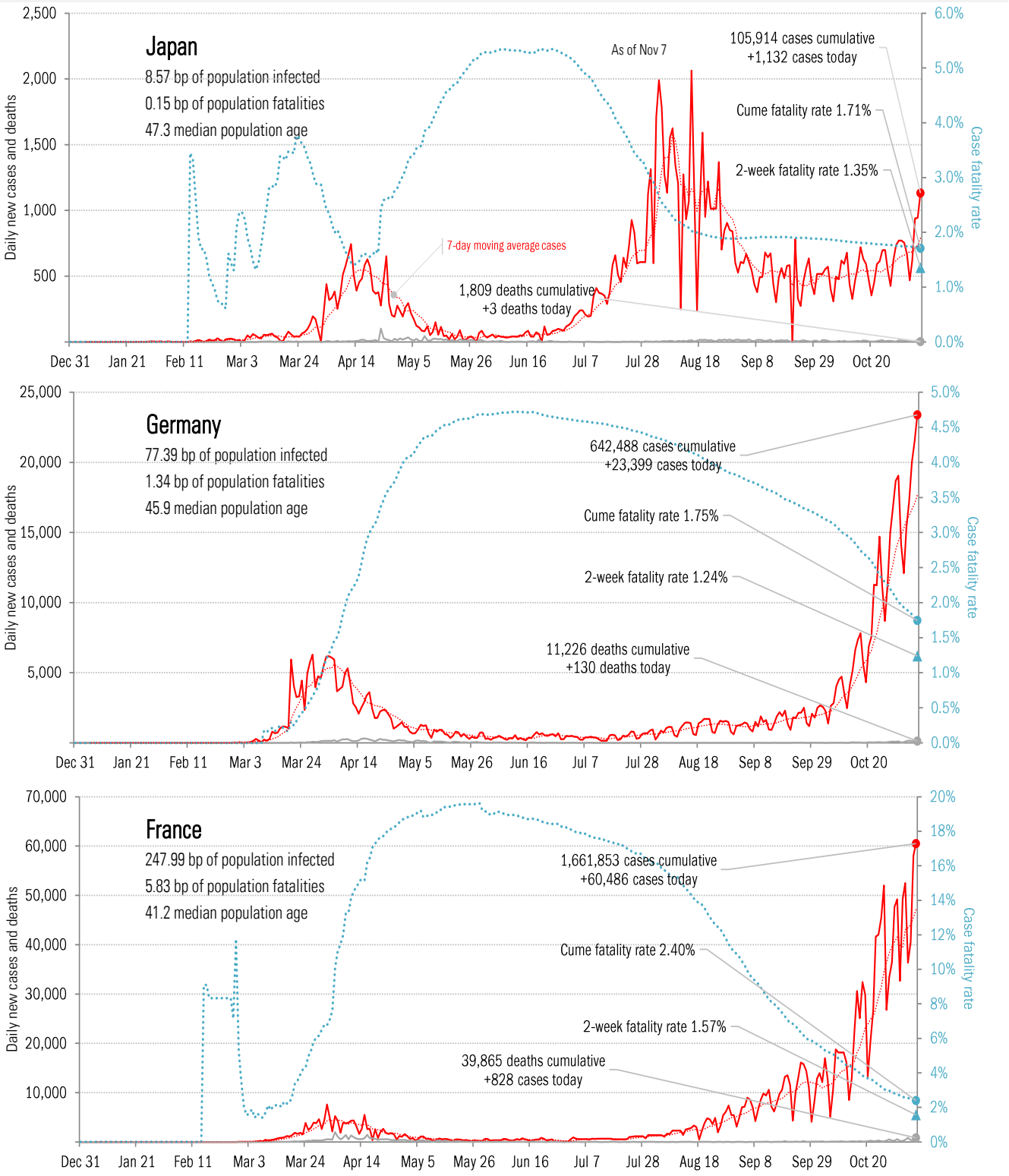
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



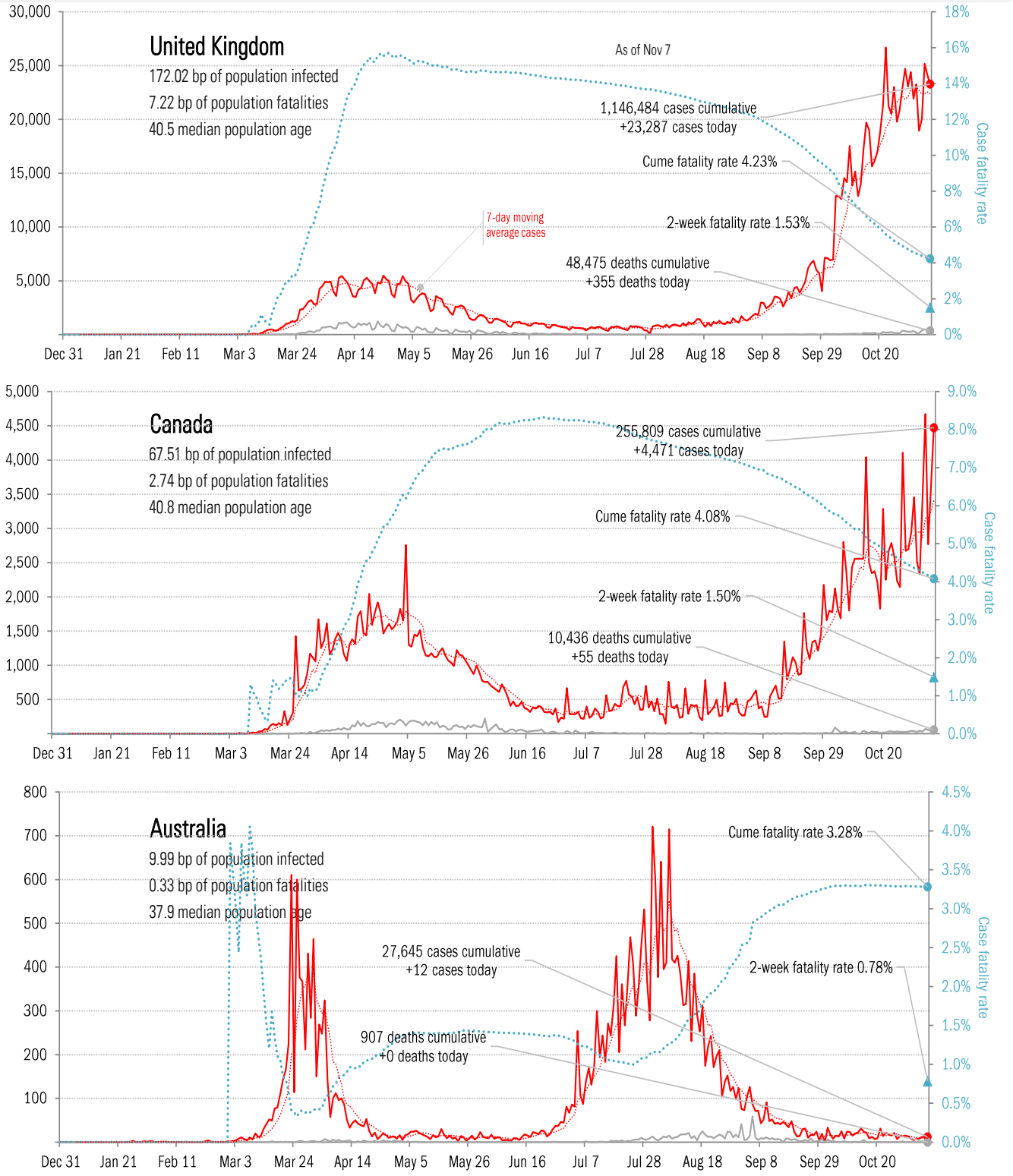
Source: ECDC, TrendMacro calculations

Impact in the largest economies



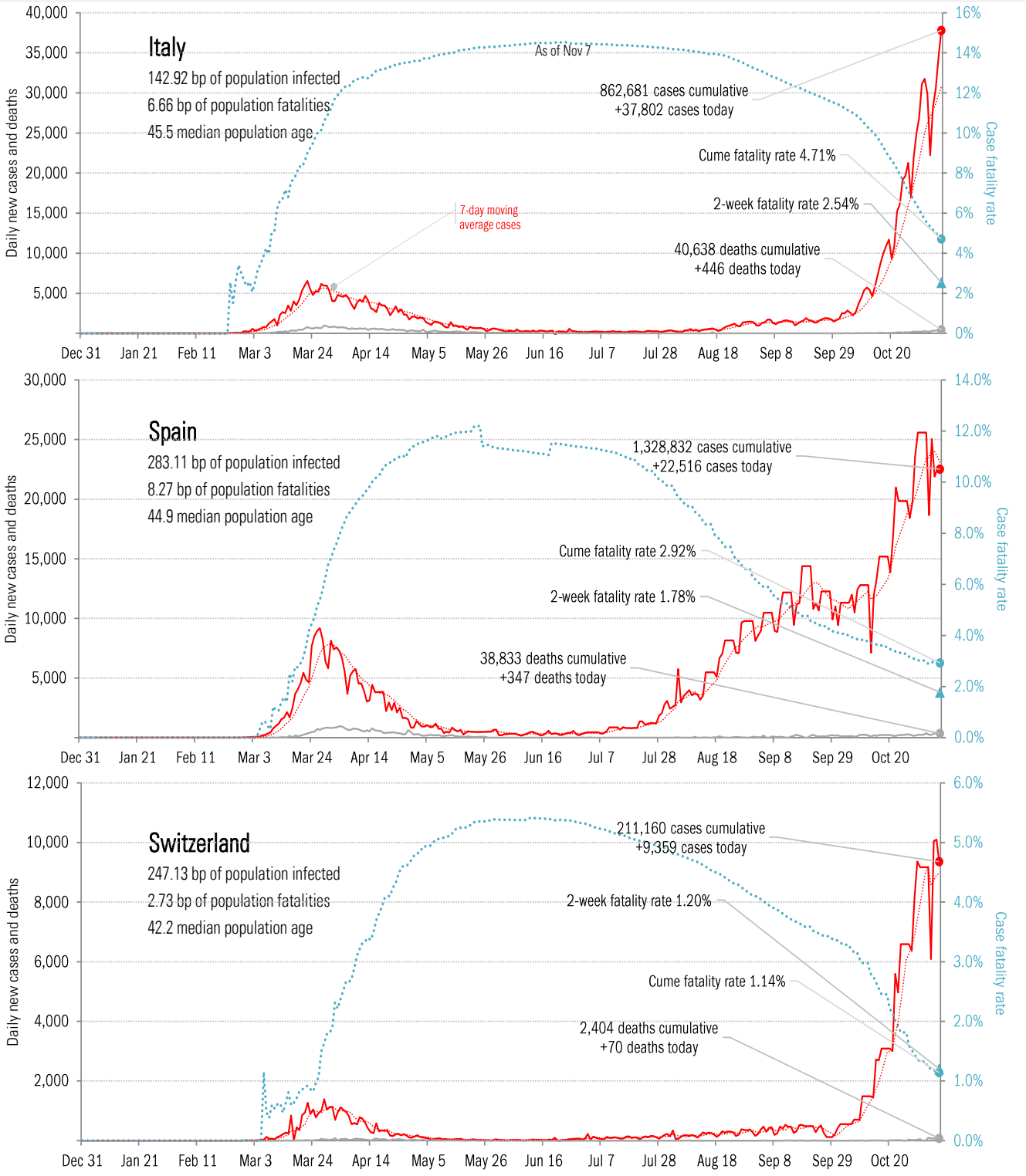
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



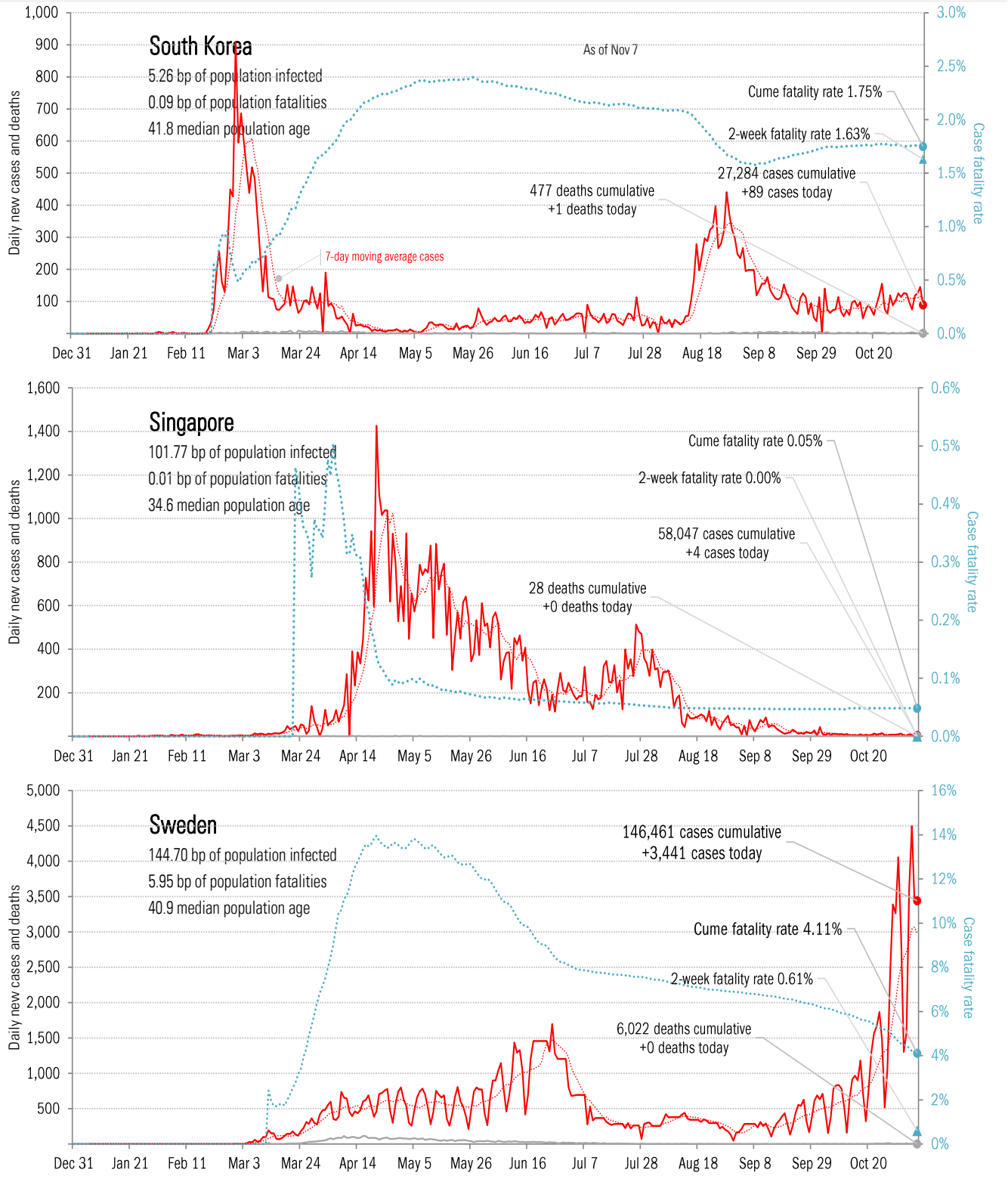
Source: ECDC, TrendMacro calculations

Impact in continental Europe



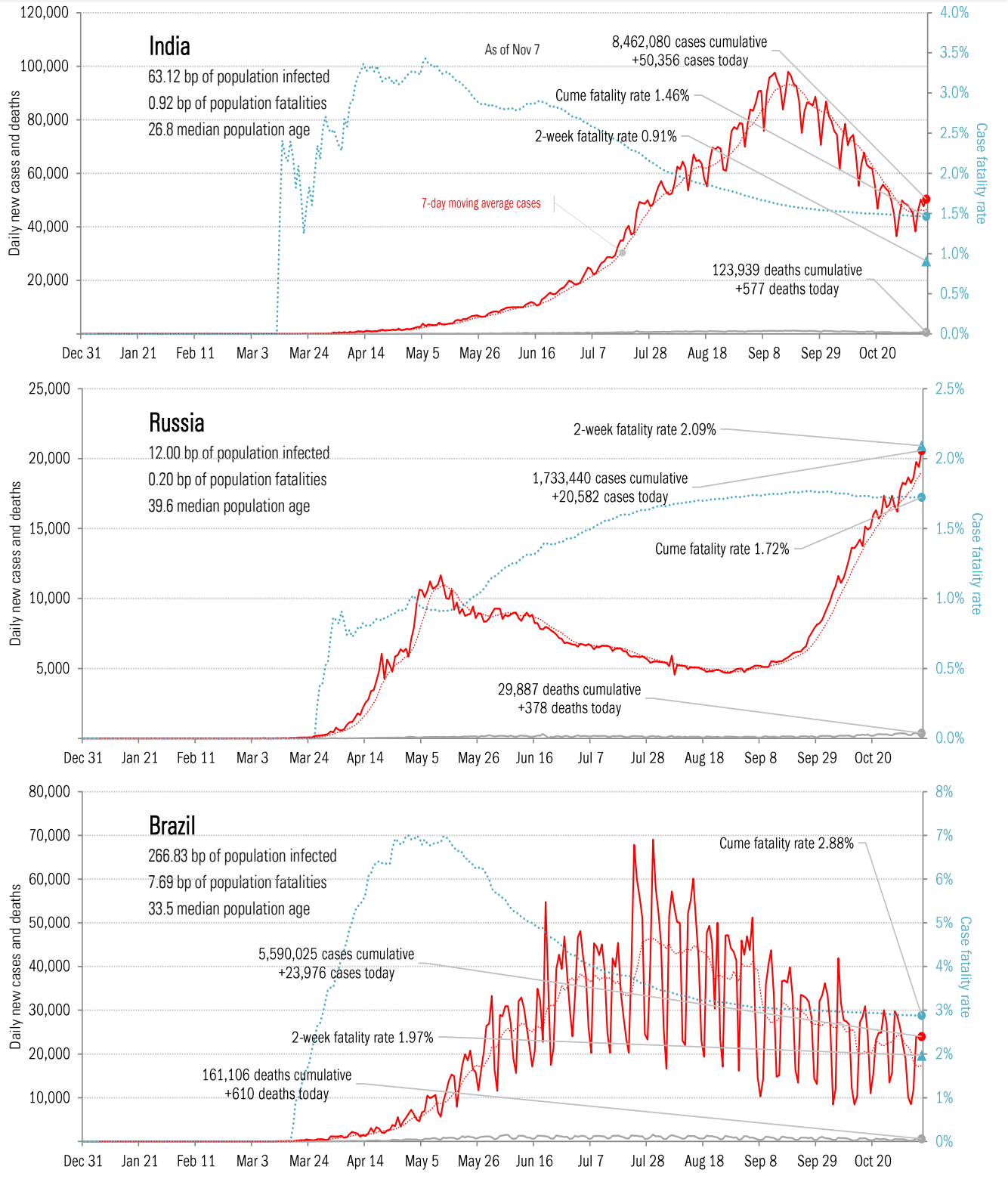
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



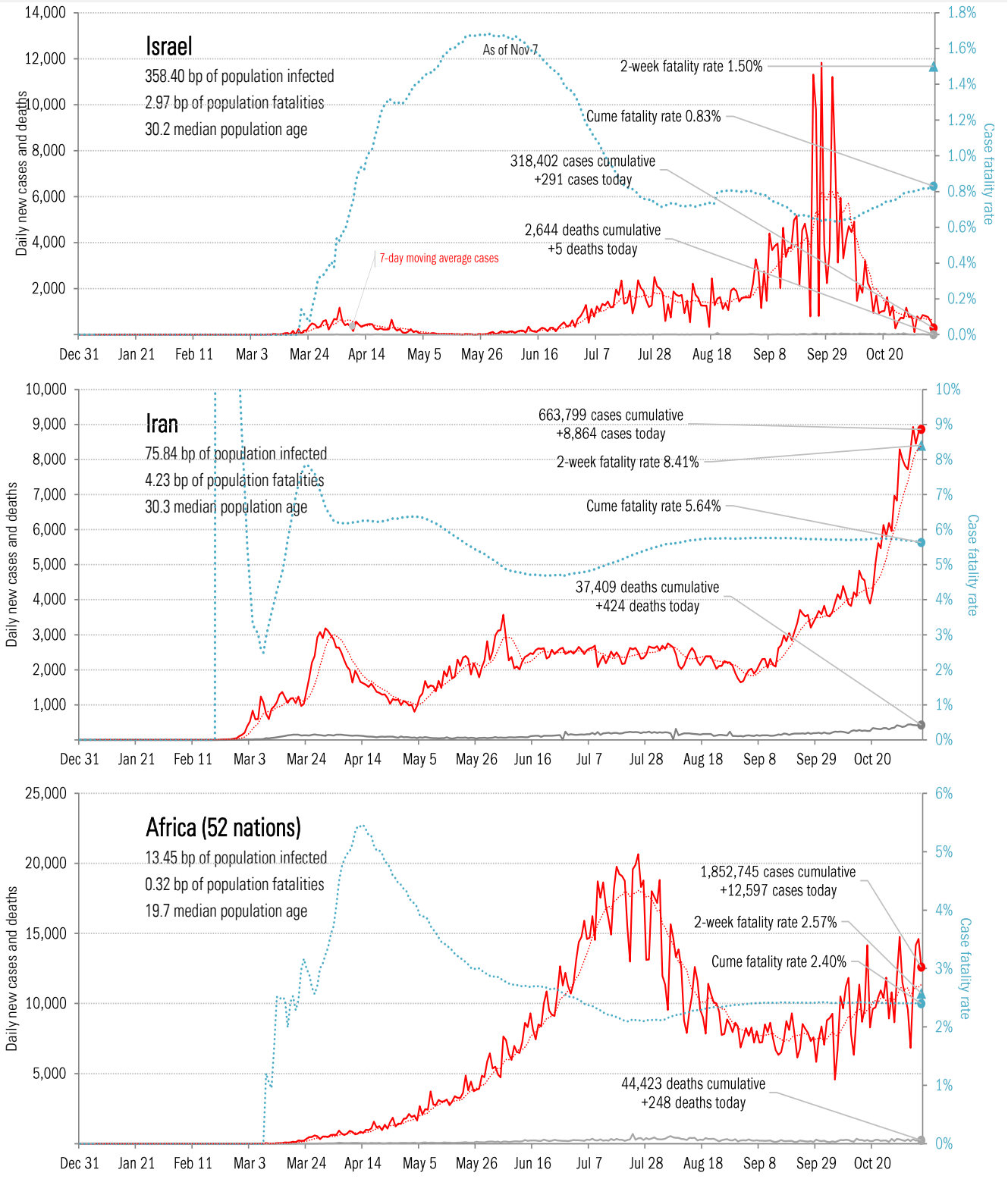
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations