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

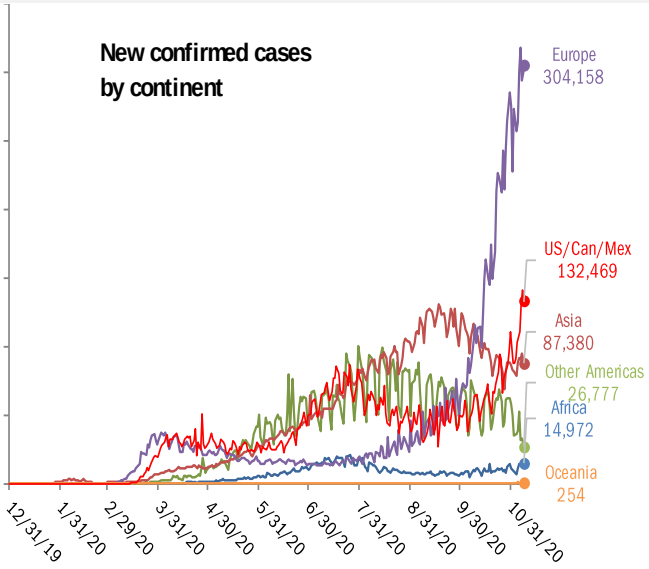
Data Insights: Covid-2019 Monitor

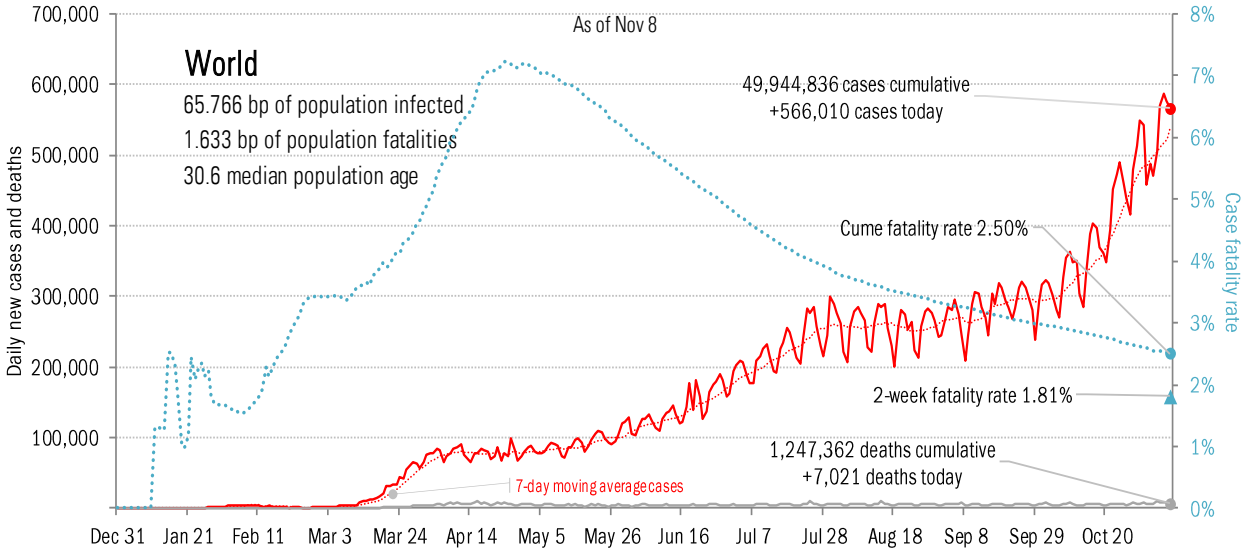
Sunday, November 8, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+121,413	US	+1,014
France	+86,852	India	+559
India	+45,674	Mexico	+485
Italy	+39,809	Italy	+425
Poland	+27,875	Iran	+423
UK	+24,957	UK	+413
Spain	+22,516	Russia	+364
Russia	+20,396	Poland	+349
Germany	+16,017	France	+304
Ukraine	+10,746	Tunisia	+217
	+416,255		+4,553
World	+566,010	World	+7,021
Top ten	74%	Top ten	65%





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

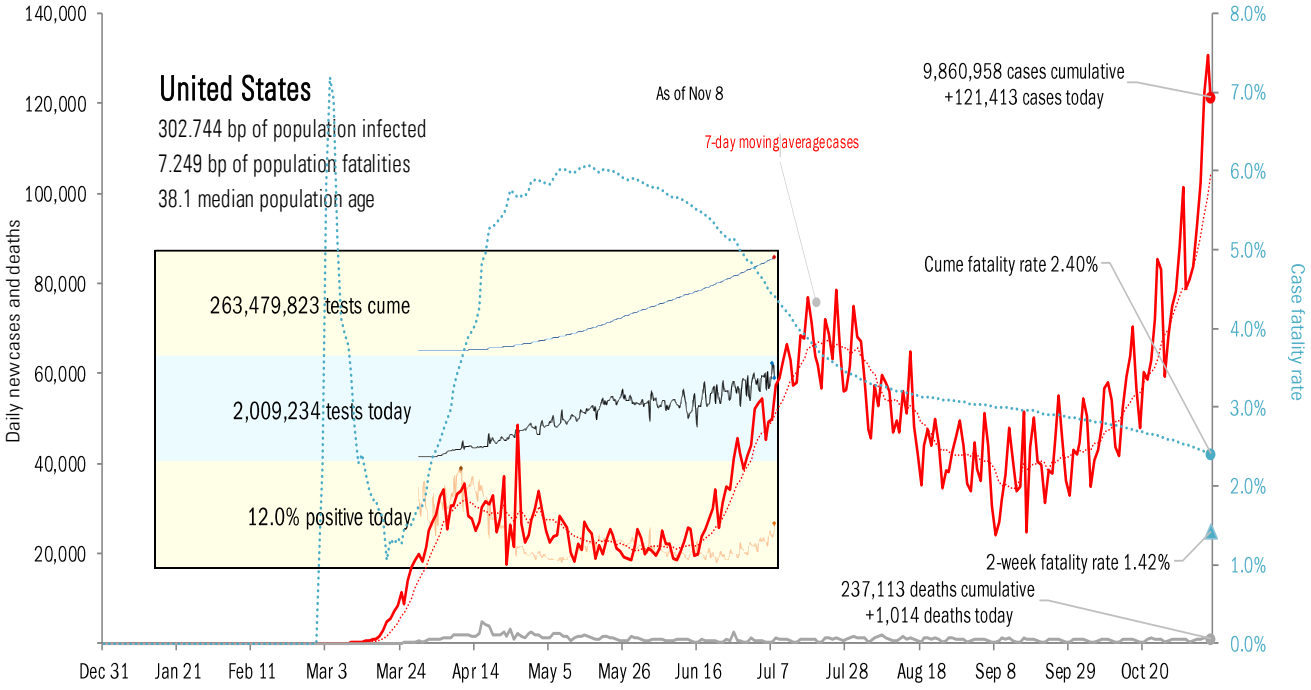
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
IL	+12,438	TX	+111	IL	+160	CA	956,957	NY	25,928	NY	89,995
TX	+8,010	IL	+91	FL	+108	TX	950,549	TX	18,700	FL	51,029
WI	+7,521	FL	+87	MO	+92	FL	825,906	CA	17,939	NJ	38,250
MI	+6,494	CA	+73	PA	+90	NY	525,608	FL	17,311	GA	32,435
CA	+5,863	MI	+65	NY	+60	IL	477,978	NJ	16,425	VA	22,503
OH	+5,549	TN	+49	AZ	+57	GA	371,825	IL	10,488	AZ	22,170
TN	+5,071	WI	+48	NJ	+56	NC	291,245	MA	10,129	AL	21,294
IN	+4,899	IN	+45	NV	+56	TN	278,215	PA	9,015	OH	20,395
MN	+4,647	PA	+40	TN	+56	WI	277,503	GA	8,647	IN	18,273
MO	+4,559	GA	+39	IN	+35	AZ	257,384	MI	7,945	MD	17,627
	+65,051		+648		+770		5,213,170		142,527		333,971
All states	+128,396	All states	+1,097	All states	+993	All states	9,761,481	All states	229,238	All states	492,773
Top ten	51%	Top ten	59%	Top ten	78%	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	
KS	-5,418	KS	-79	MI	-145	MI	+7,888
OK	-1,878	TX	-25	KS	-126	WI	+4,789
CT	-1,065	LA	-21	TX	-118	TX	+4,322
LA	-870	OH	-21	MN	-107	MN	+3,610
WY	-804	NM	-17	IA	-84	PA	+2,985



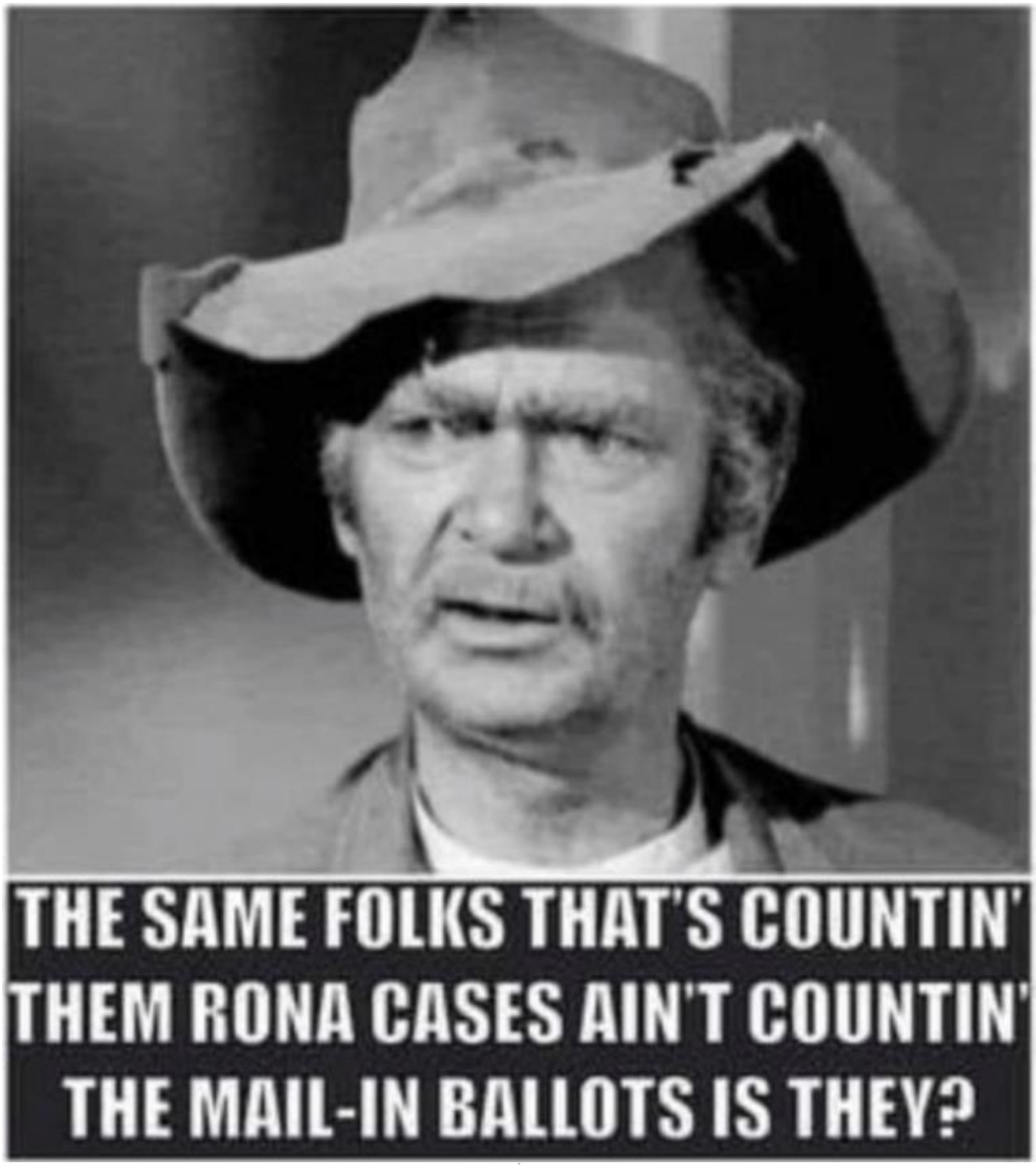
Source: States and test data Covid Tracking Project, US data ECDC, TrendMacro calculations

Recommended reading

[The repugnant plan brewing for state legislatures to steal the election must be stopped]
Edward B. Foley
Washington Post
November 6, 2020

[In hunt for virus source, W.H.O. let China take charge]
Selam Gebrekidan, Matt Apuzzo, Amy Qin and Javier C. Hernández
New York Times
November 2, 2020

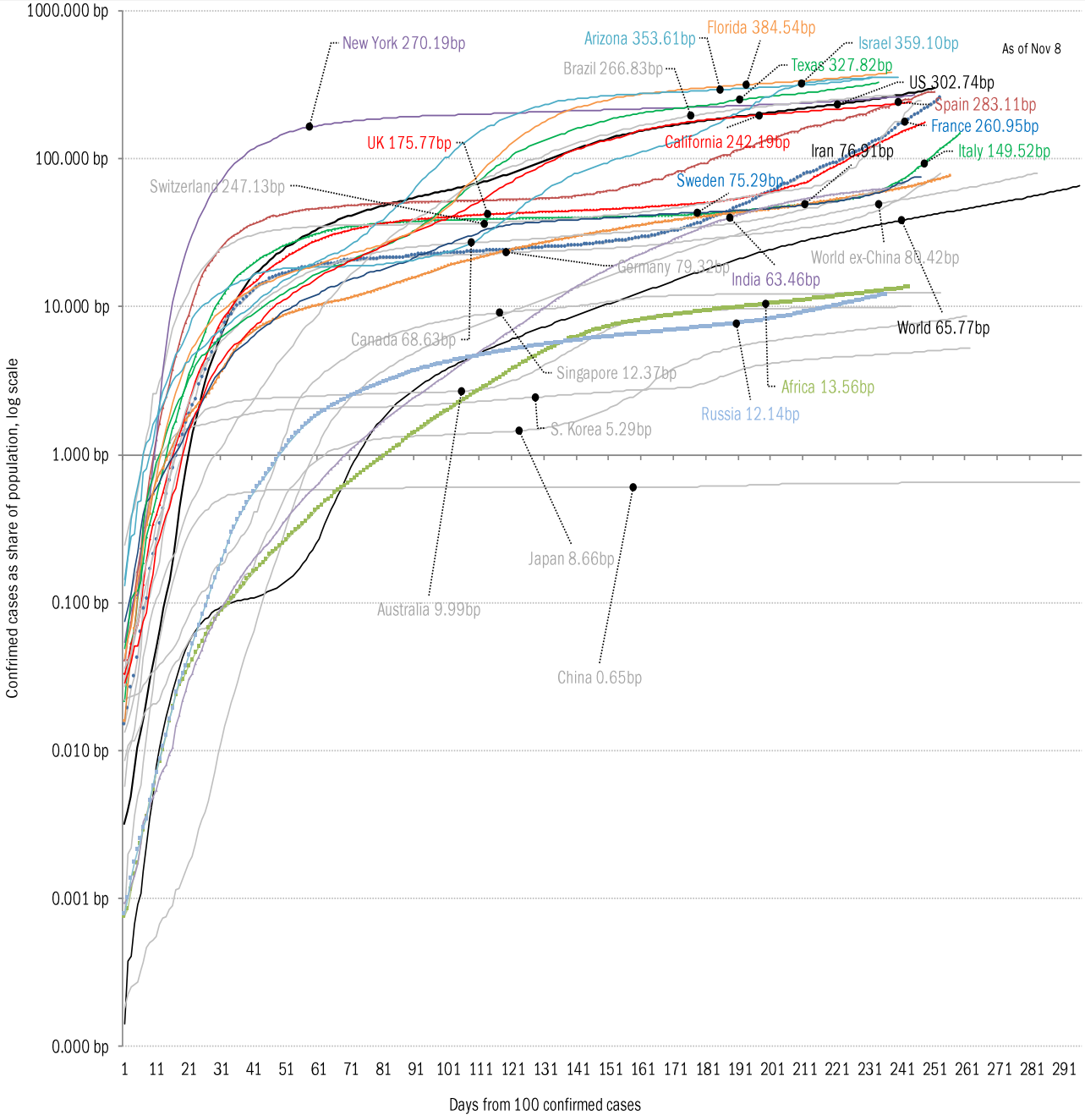
Meme of day



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

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

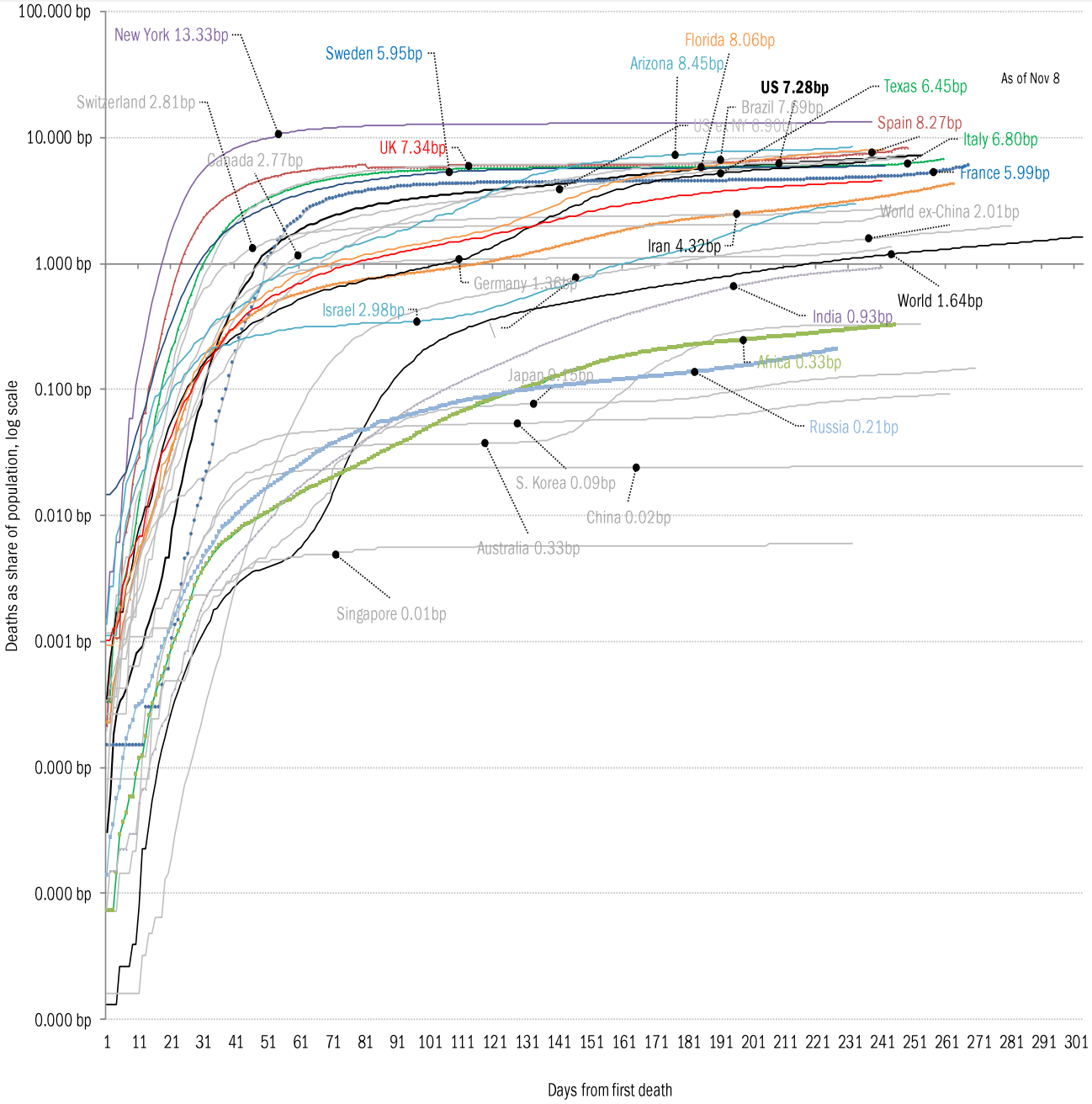
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

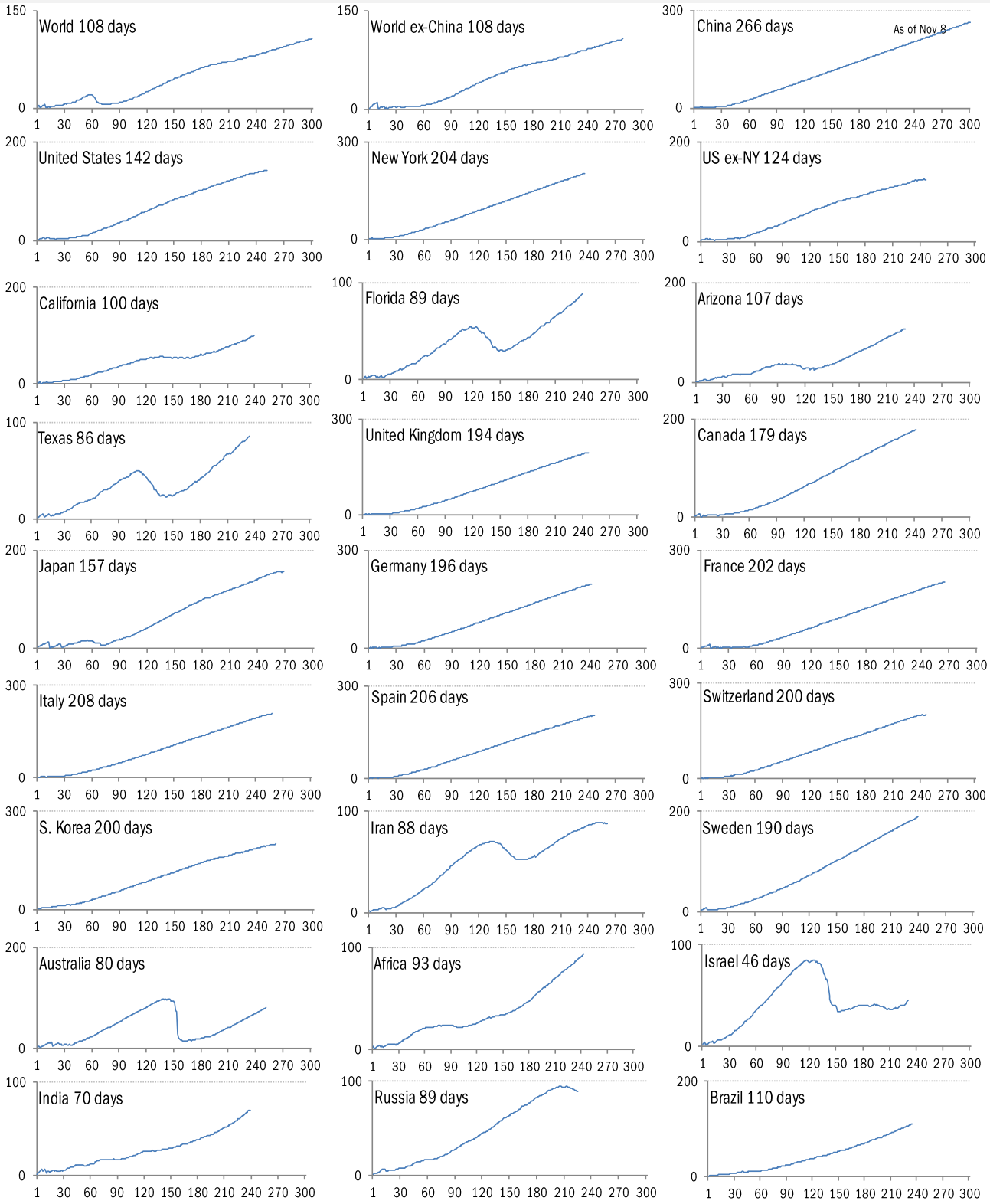


Source: ECDC, TrendMacro calculations

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

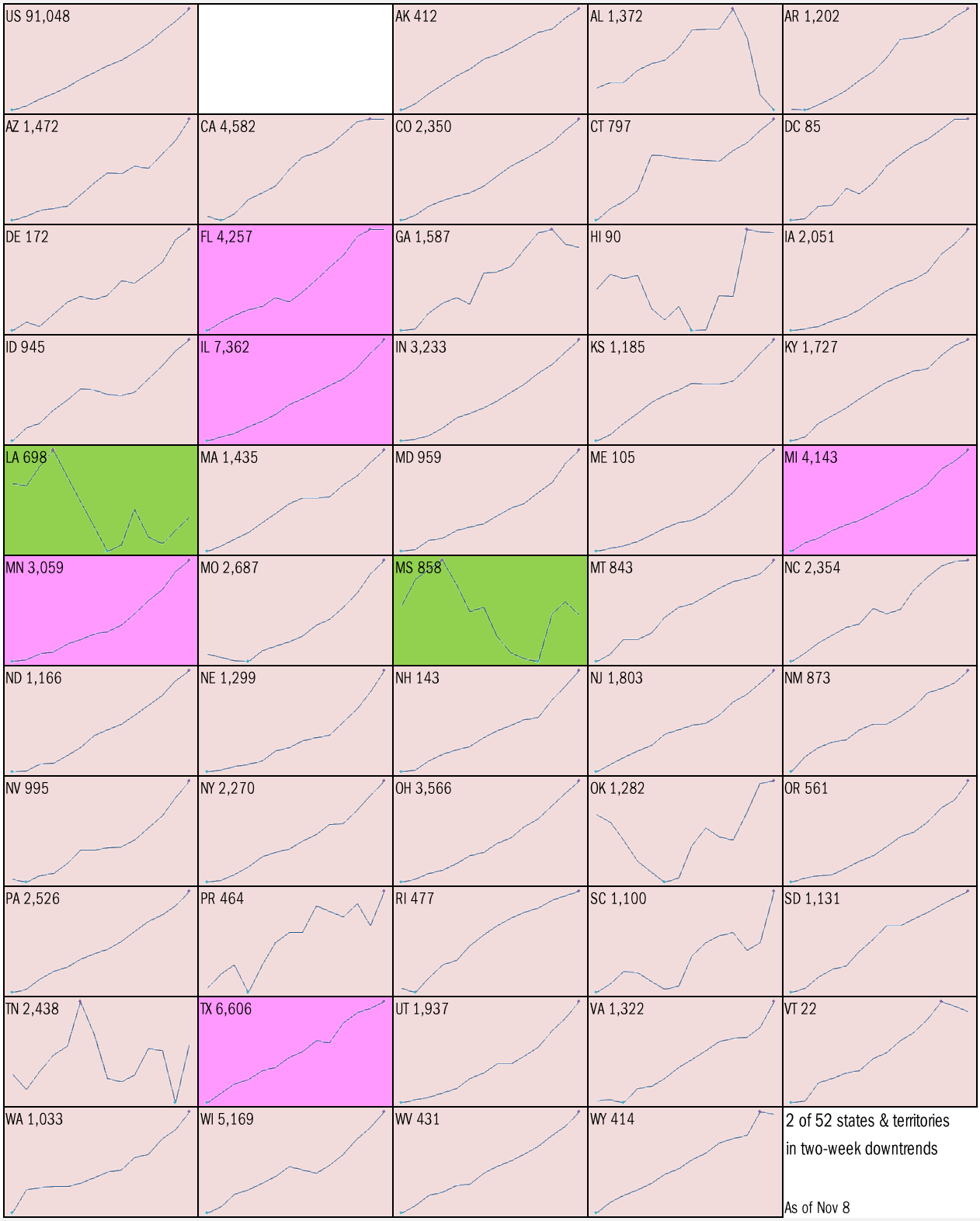


Source: ECDC, TrendMacro calculations

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

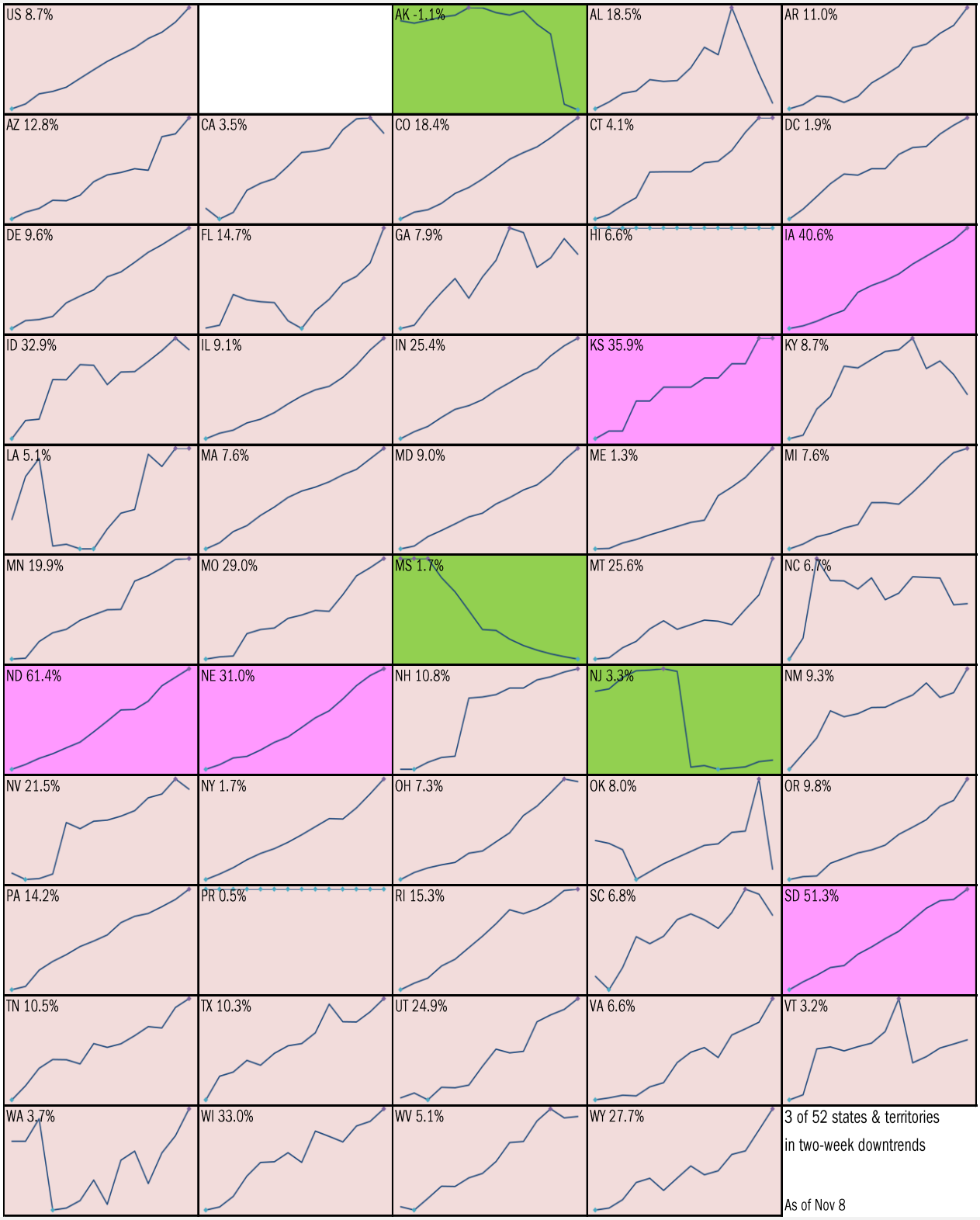


Source: Covid Tracking Project, TrendMacro calculations

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

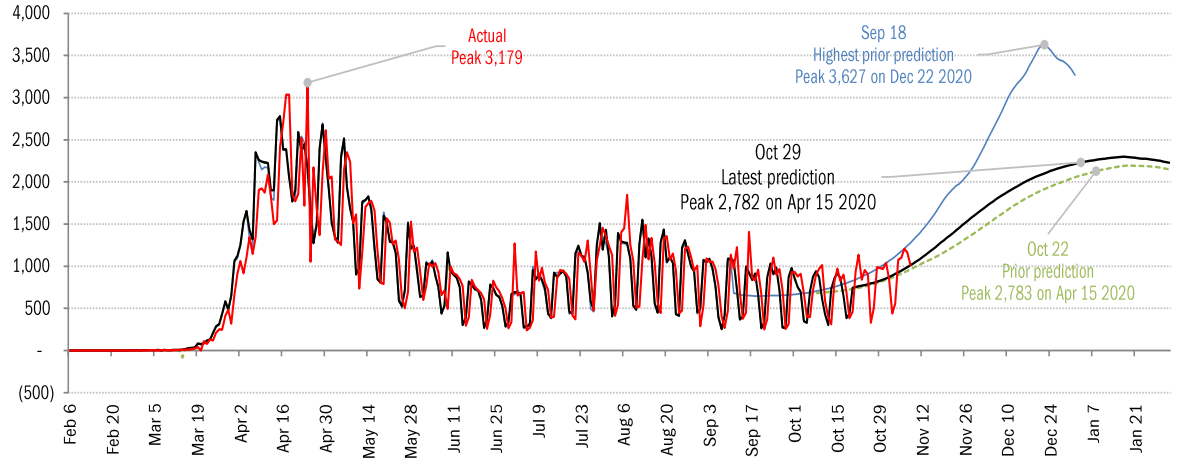


Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

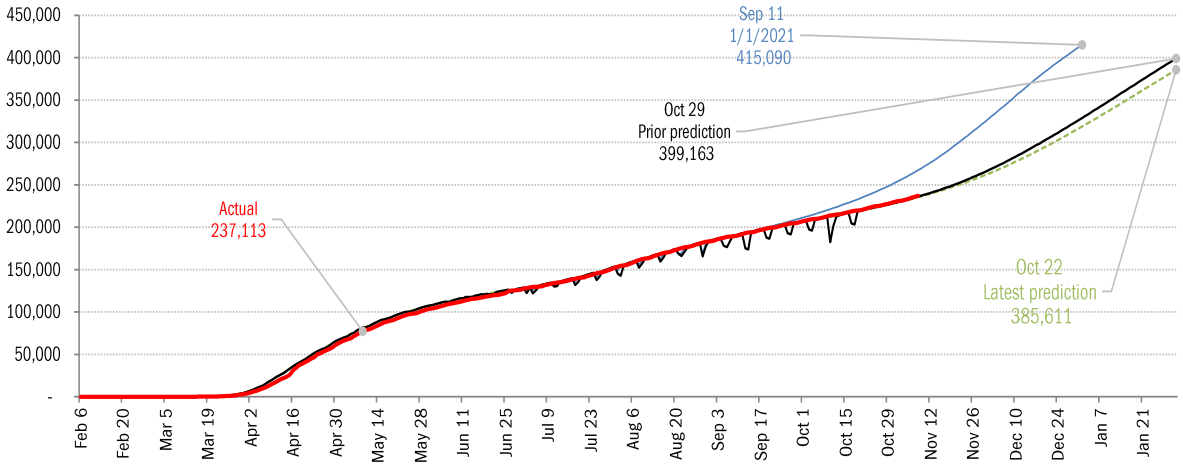
New daily fatalities As of Nov 8

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

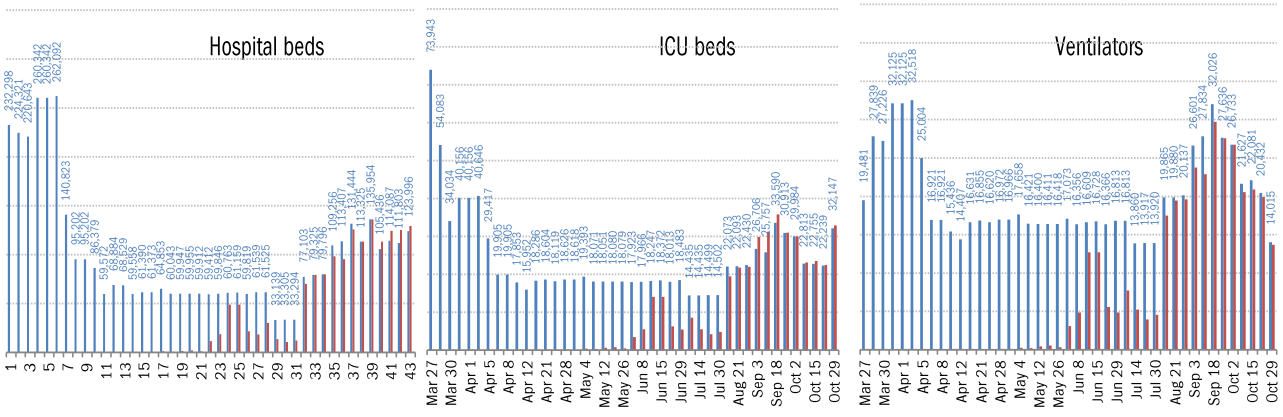


Cumulative fatalities

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

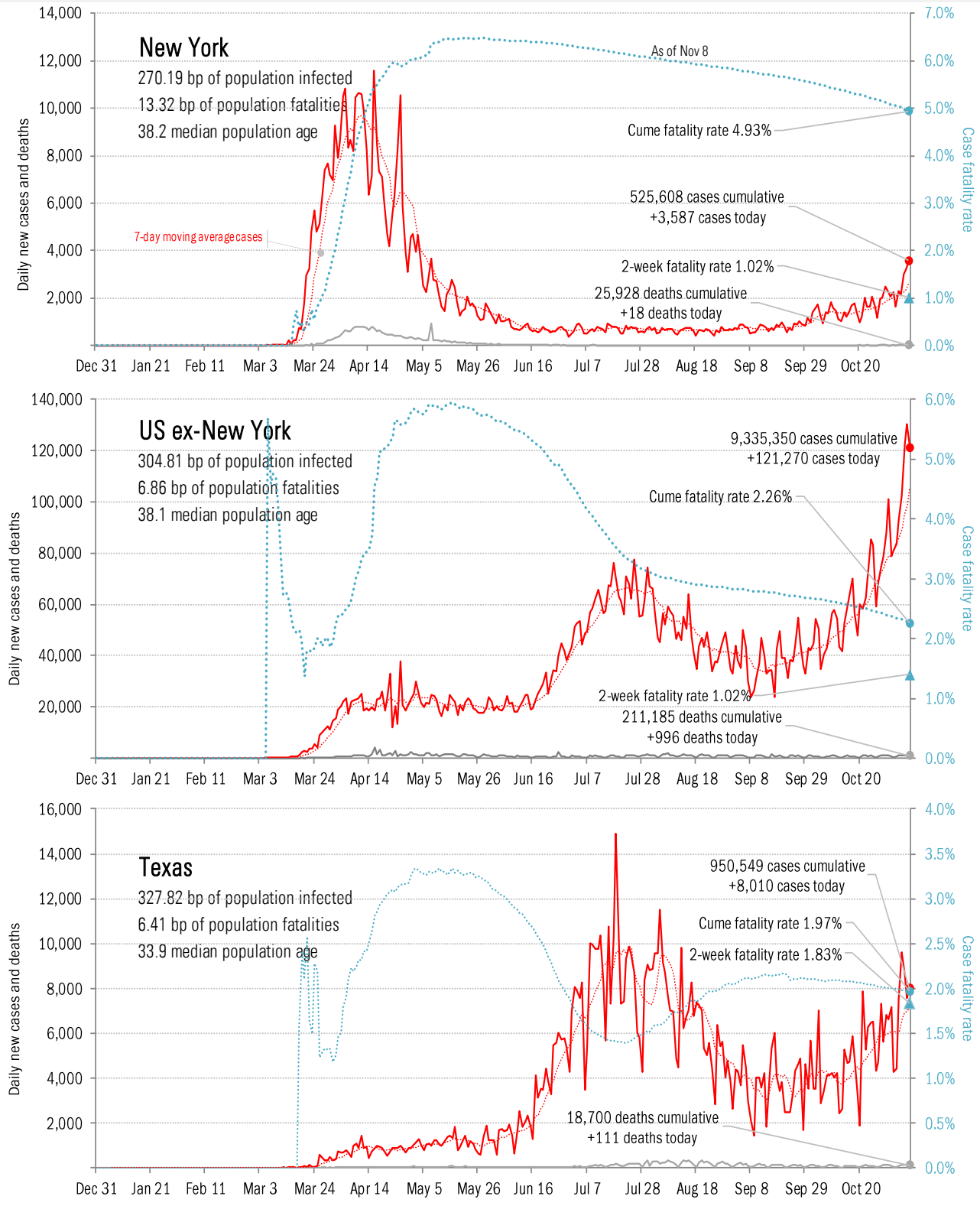


Healthcare system stress, peak and ultimate estimated at each model revision



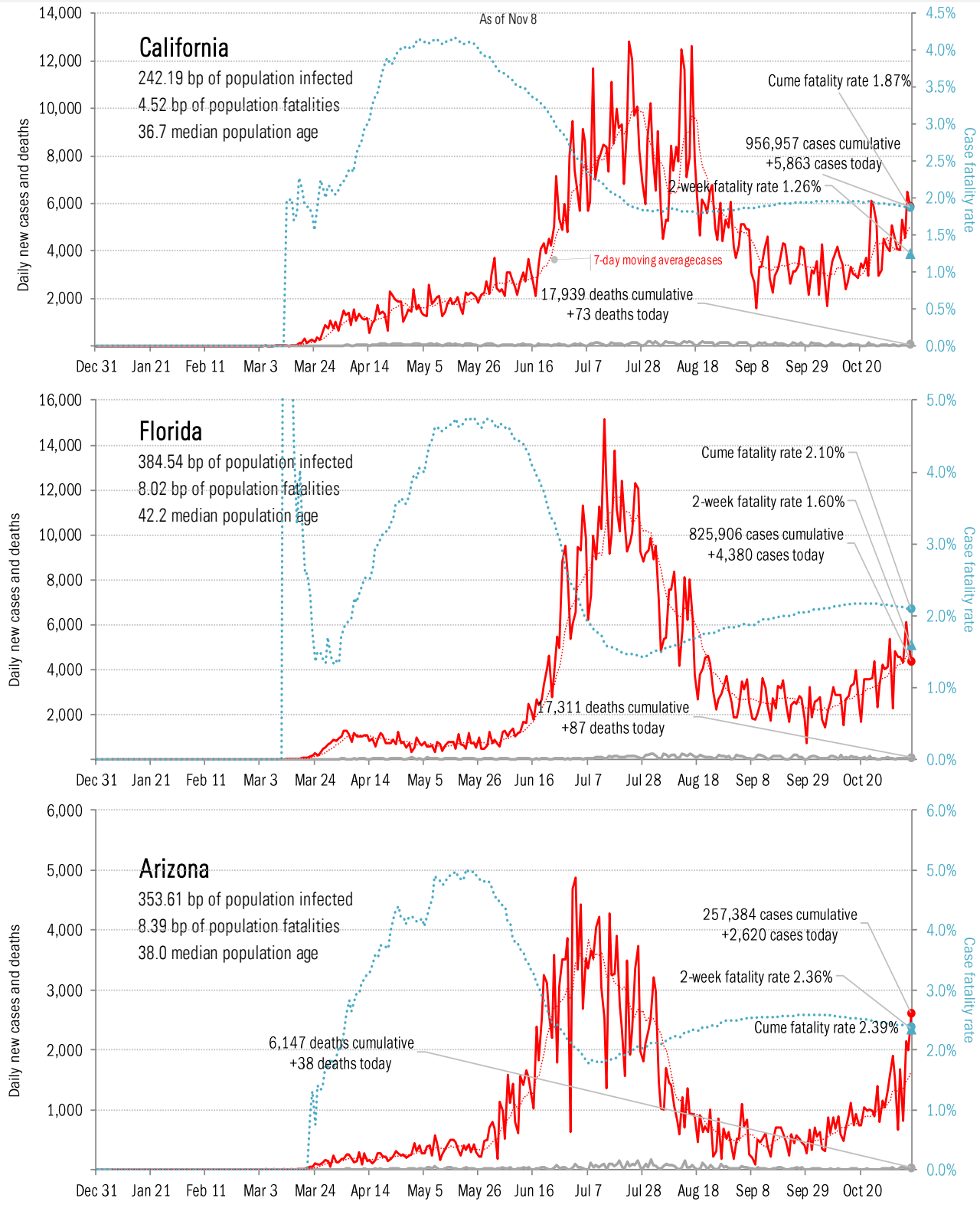
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



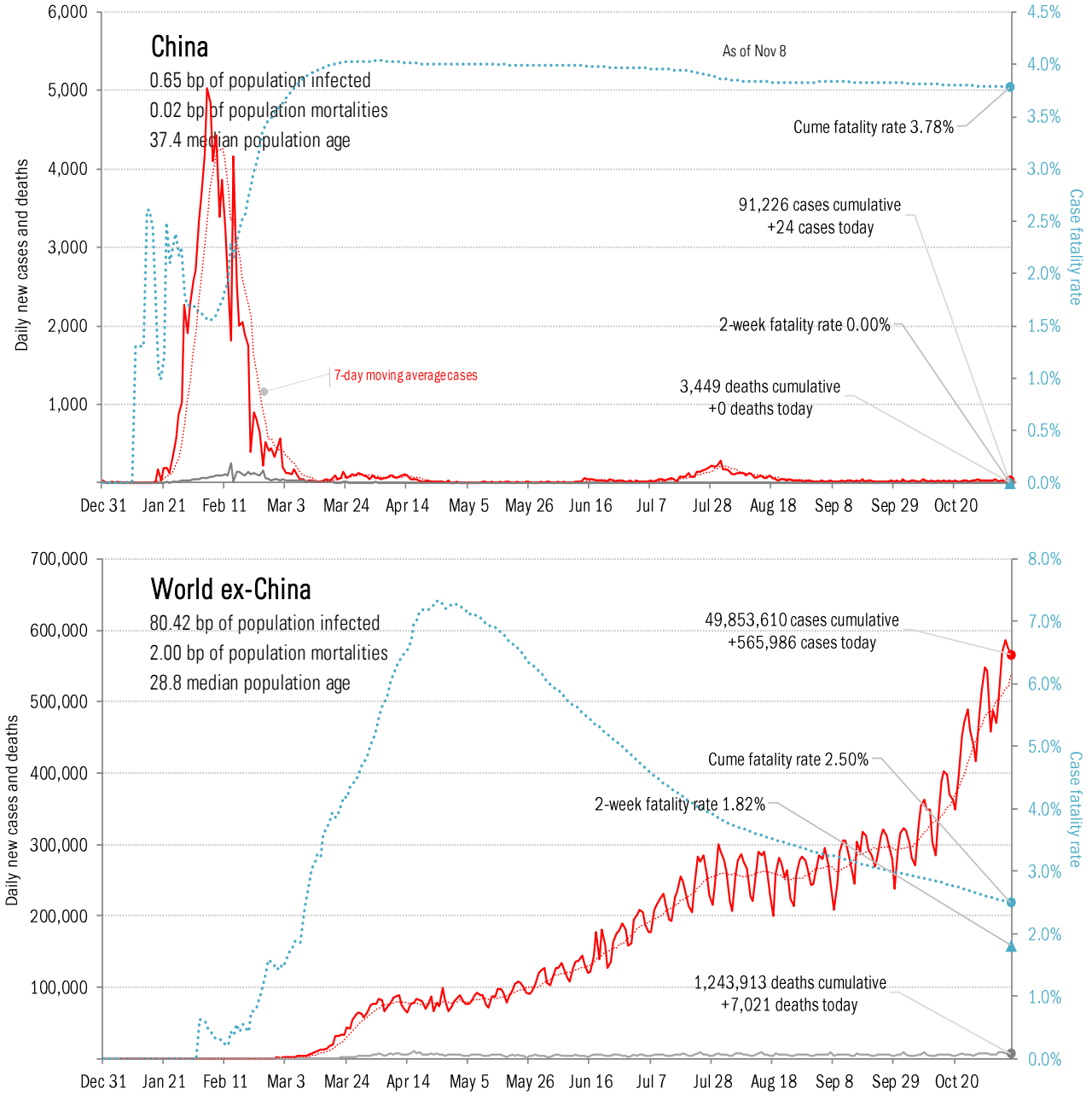
Source: ECDC, TrendMacro calculations

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



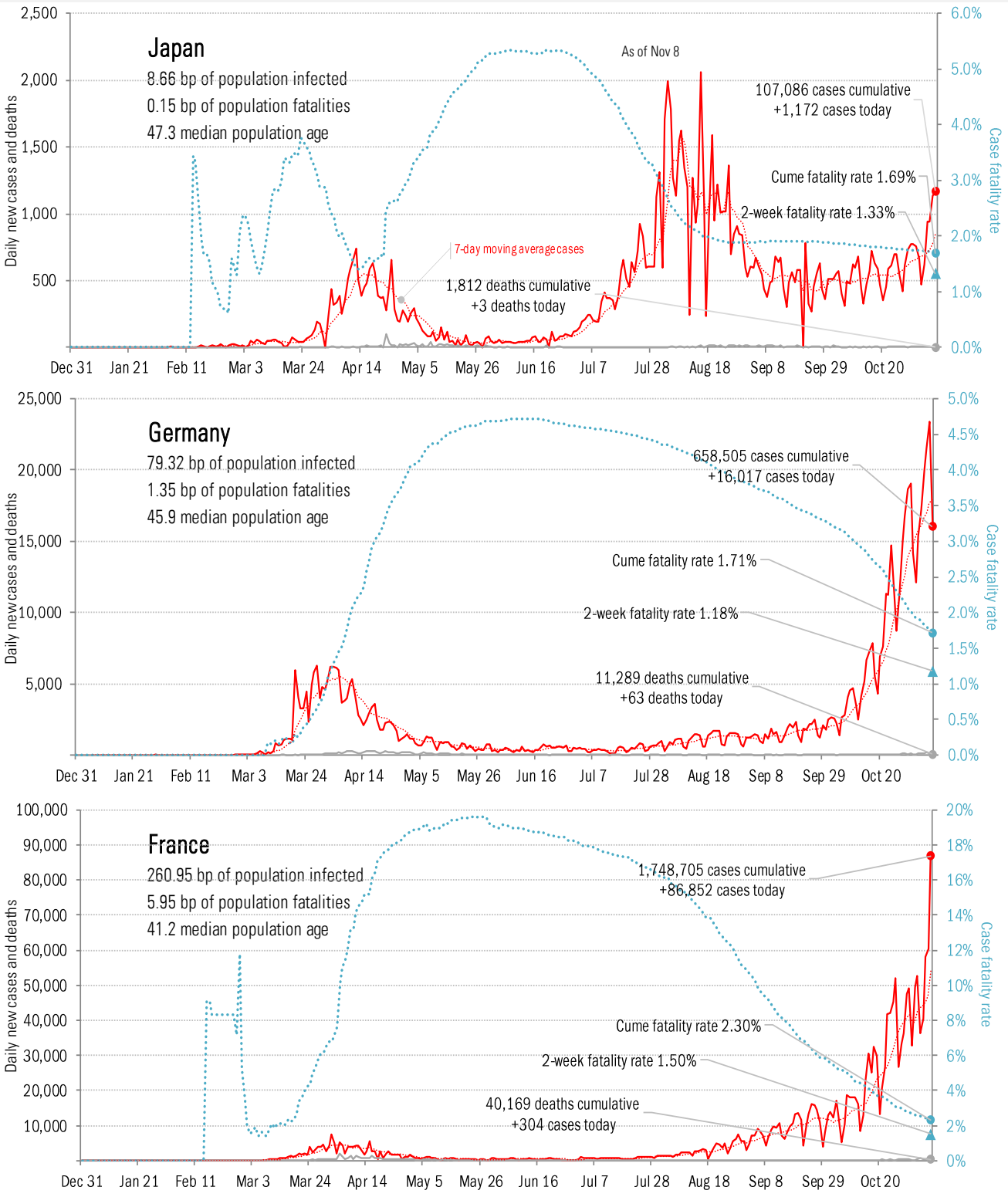
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



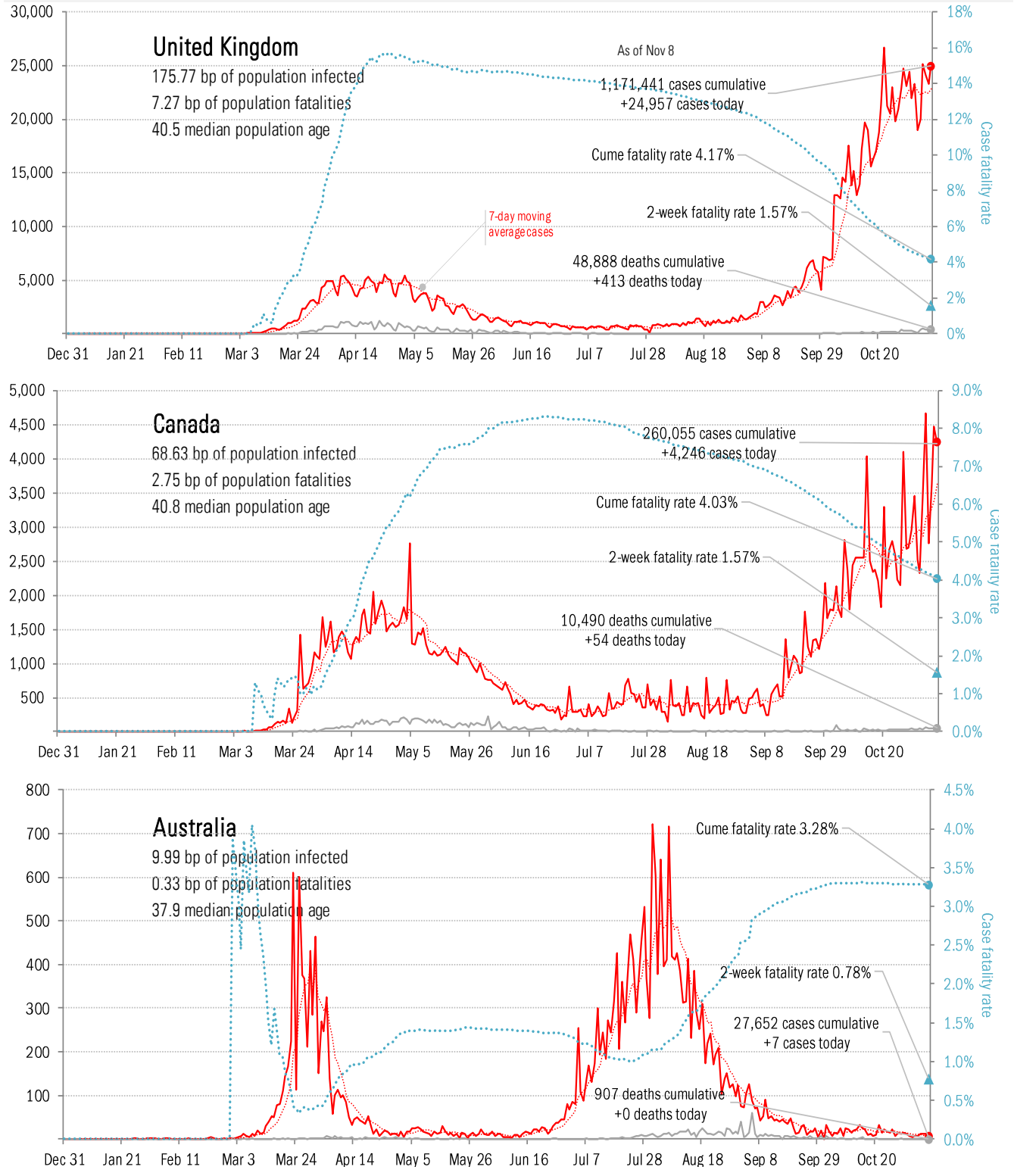
Source: ECDC, TrendMacro calculations

Impact in the largest economies



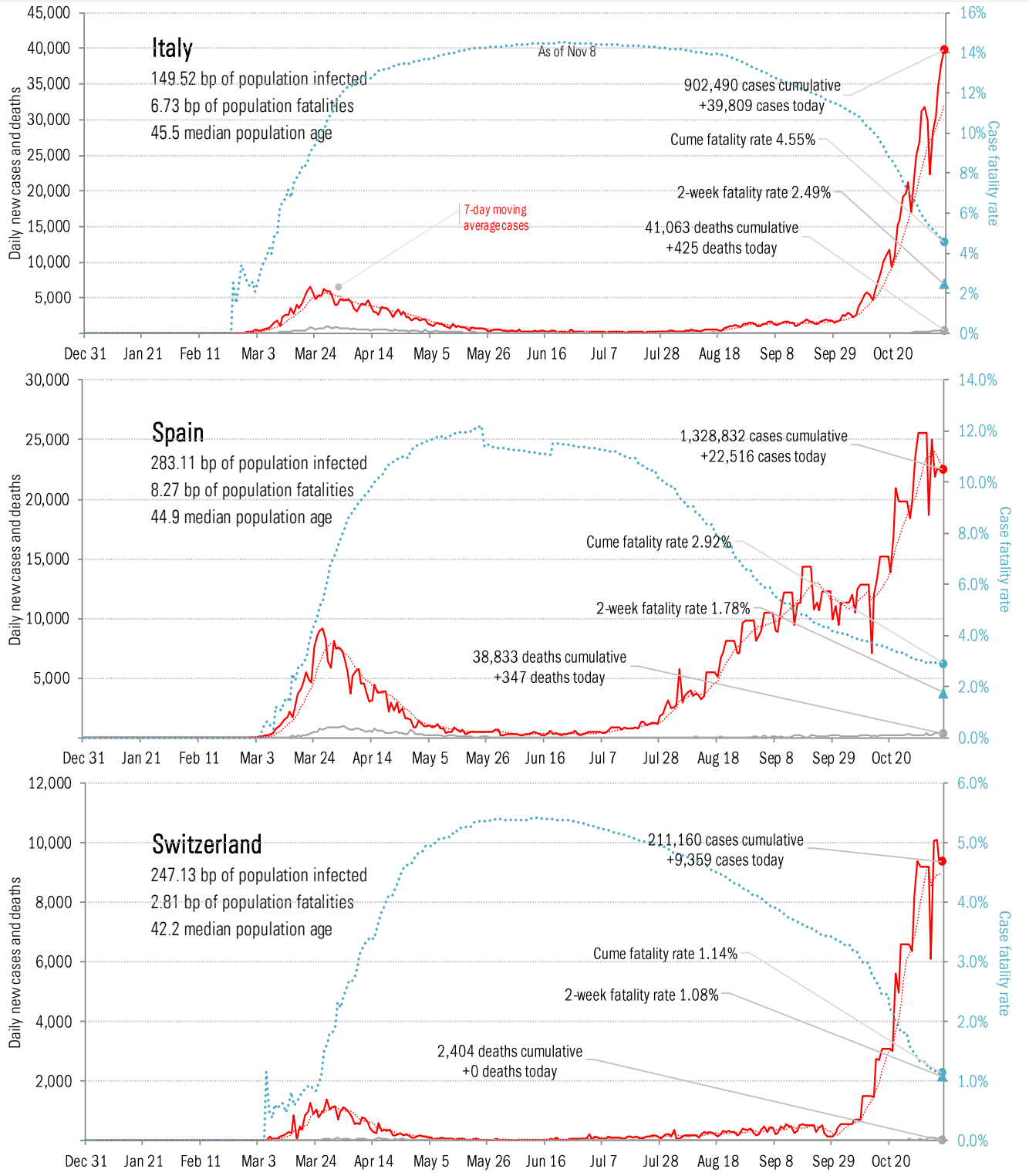
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



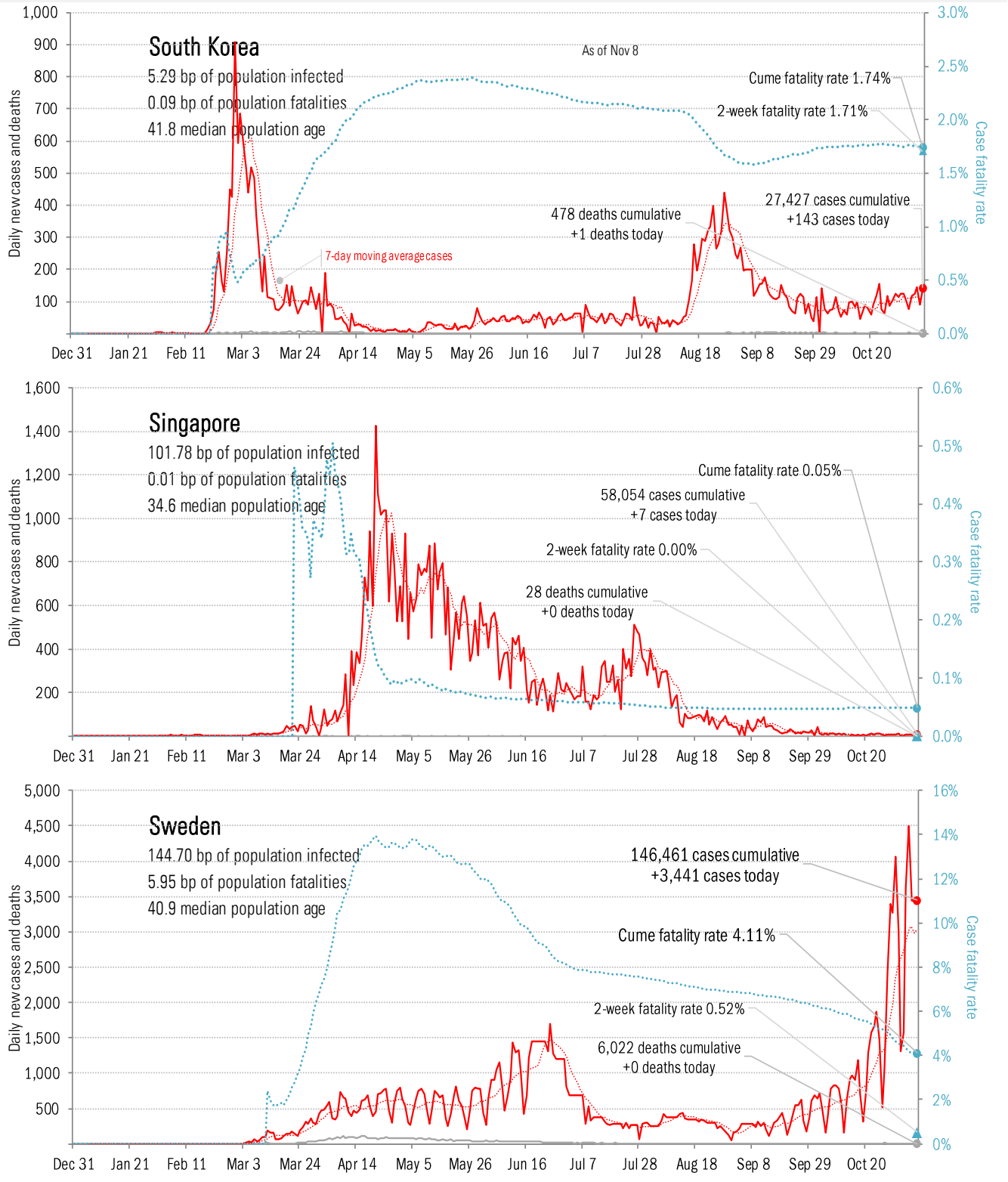
Source: ECDC, TrendMacro calculations

Impact in continental Europe



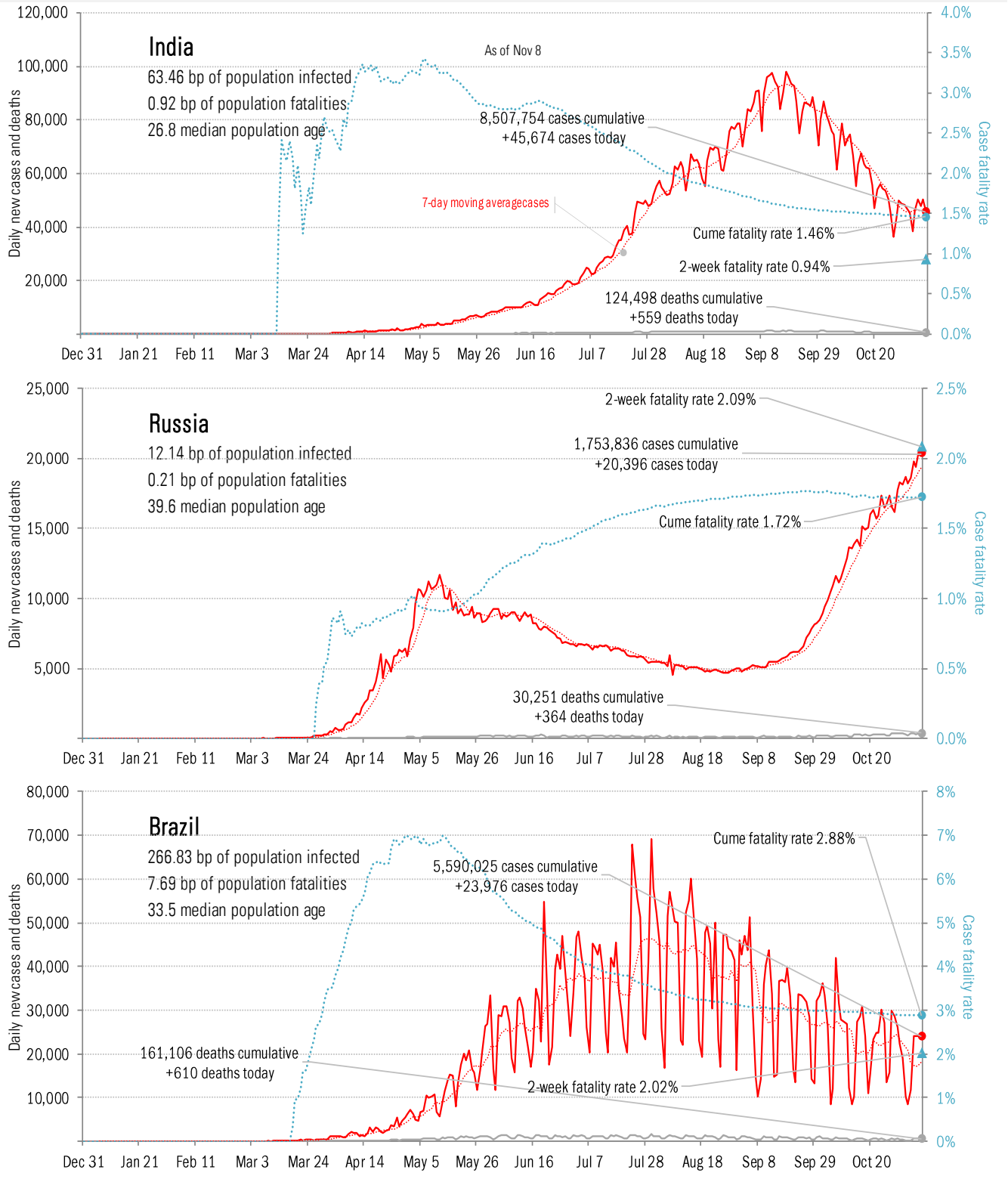
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



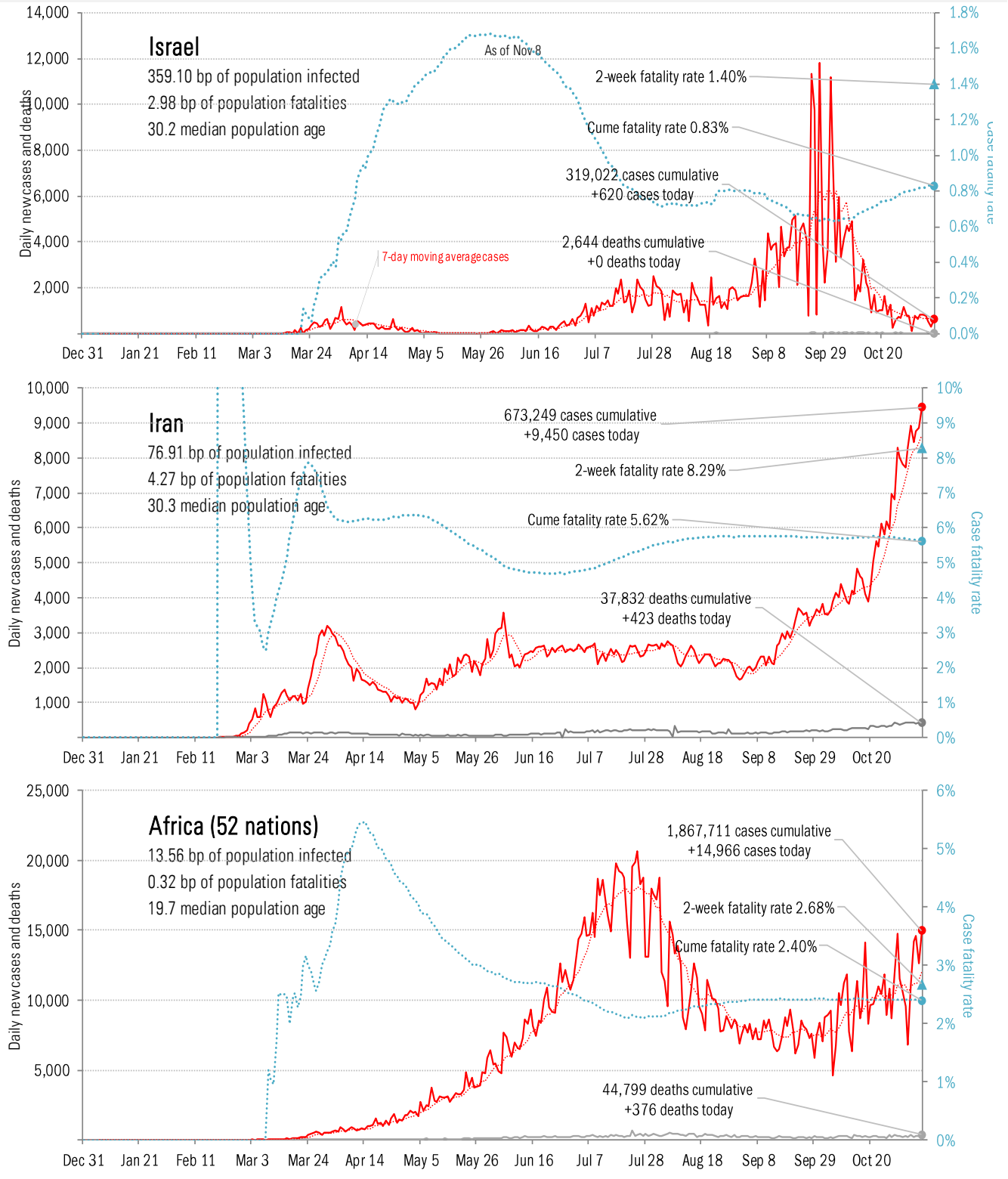
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations