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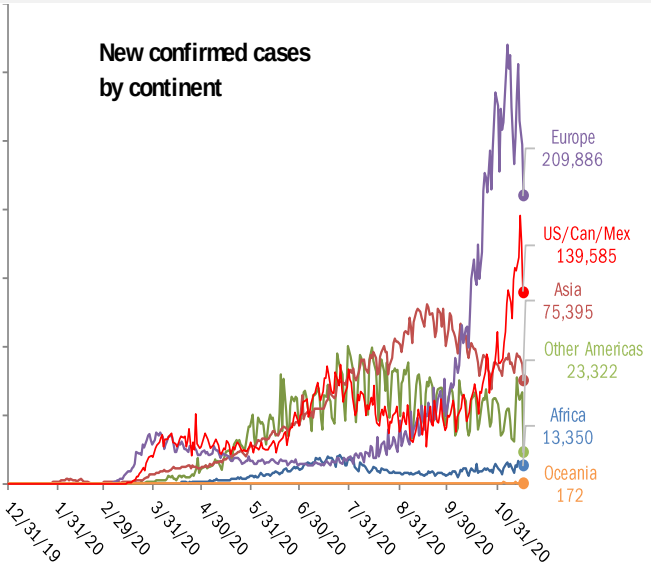
Data Insights: Covid-2019 Monitor

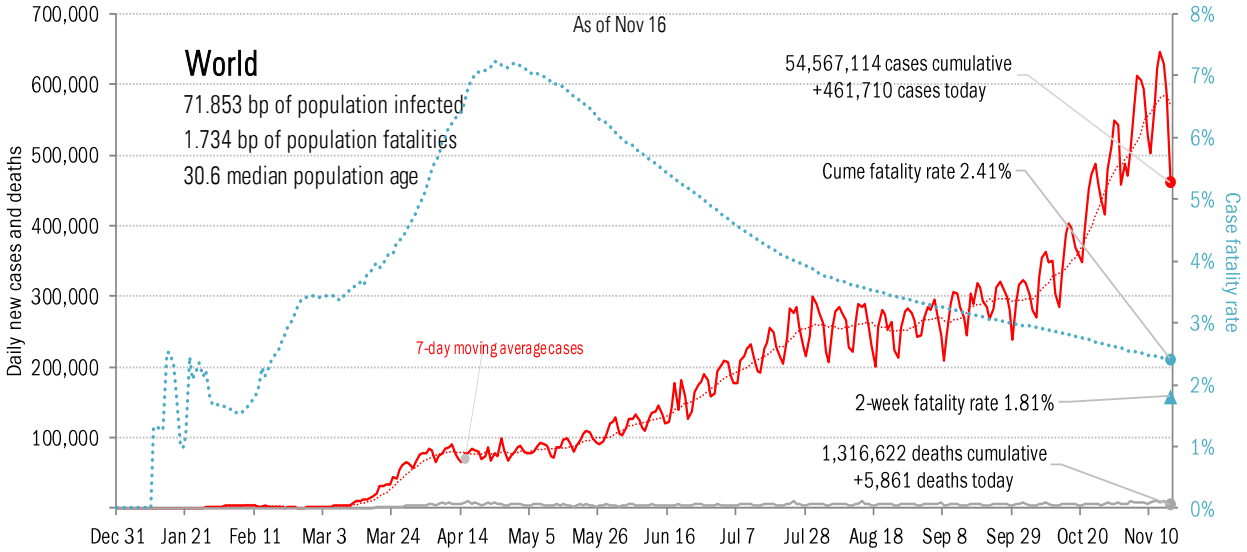
Monday, November 16, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+132,170	US	+614
Italy	+33,977	Italy	+546
India	+30,548	Iran	+459
France	+27,228	India	+435
UK	+24,962	Russia	+352
Russia	+22,572	Spain	+308
Poland	+21,854	Poland	+303
Spain	+21,371	France	+302
Iran	+12,543	Mexico	+283
Germany	+10,824	Colombia	+202
	+338,049		+3,804
World	+461,710	World	+5,861
Top ten	73%	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

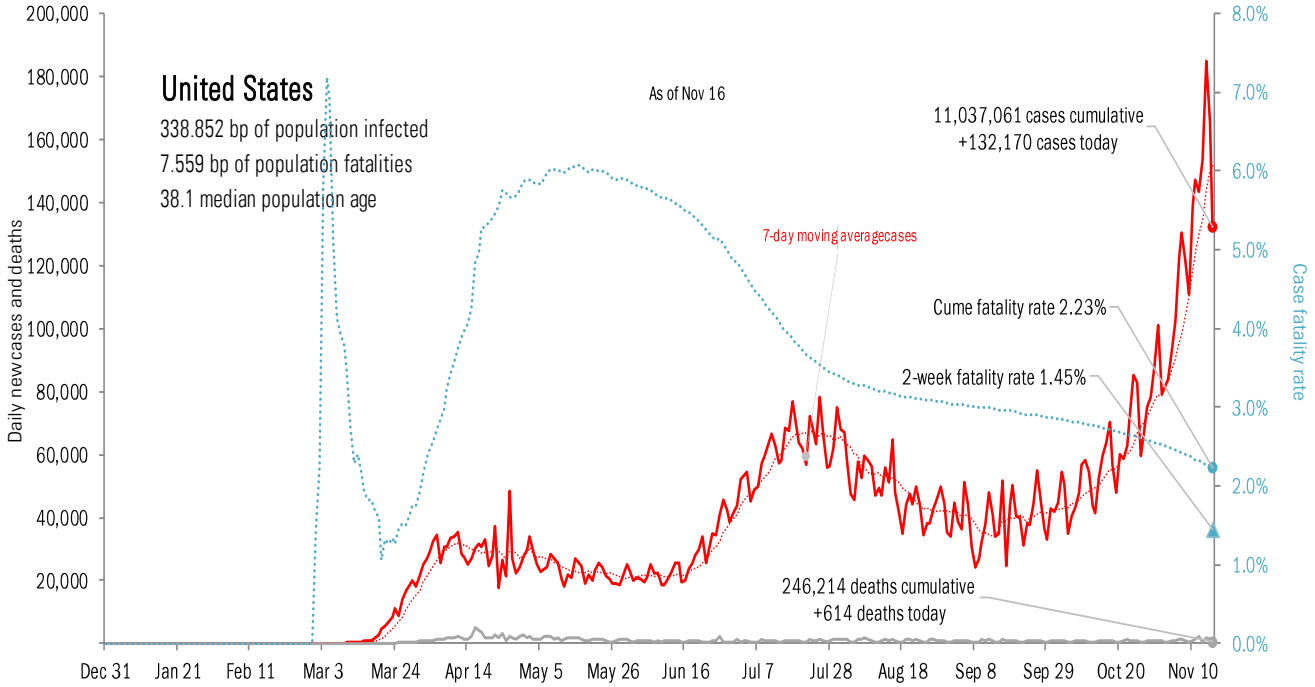
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+10,968	TX	+89	CA	+242	TX	1,020,721	NY	26,133	NY	89,995
IL	+10,631	IL	+74	TX	+123	CA	1,019,345	TX	19,559	FL	52,529
FL	+9,820	NC	+50	AL	+75	FL	872,810	CA	18,253	NJ	39,018
OH	+7,853	PA	+38	OH	+71	IL	573,616	FL	17,734	GA	33,241
MN	+7,553	MA	+36	PA	+66	NY	560,200	NJ	16,566	VA	23,536
IN	+6,710	AR	+35	WI	+63	GA	386,949	IL	11,162	AZ	23,049
TX	+6,561	CA	+35	LA	+61	WI	329,924	MA	10,329	AL	22,275
WI	+6,320	MN	+31	IL	+59	NC	312,235	PA	9,312	OH	22,265
TN	+5,817	FL	+30	NY	+57	TN	310,937	GA	8,957	IN	20,704
PA	+5,199	NY	+30	AZ	+36	OH	298,096	MI	8,376	MD	18,576
	+77,432		+448		+853		5,684,833		146,381		345,188
All states	+145,670	All states	+672	All states	+532	All states	10,897,771	All states	237,625	All states	516,820
Top ten	53%	Top ten	67%	Top ten	160%	Top ten	52%	Top ten	62%	Top ten	67%

Some states not reporting

Five most improved US states

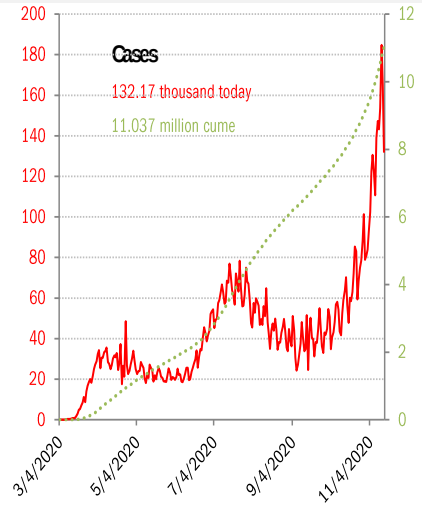
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
MI	-7,430	IL	-123	TN	-175	TX	+10,579
UT	-2,685	MI	-68	MO	-104	MN	+5,639
MO	-2,617	TX	-61	WA	-97	WI	+4,905
TX	-2,616	GA	-50	IN	-92	OH	+2,222
KY	-1,844	CA	-46	NJ	-87	AR	+1,929

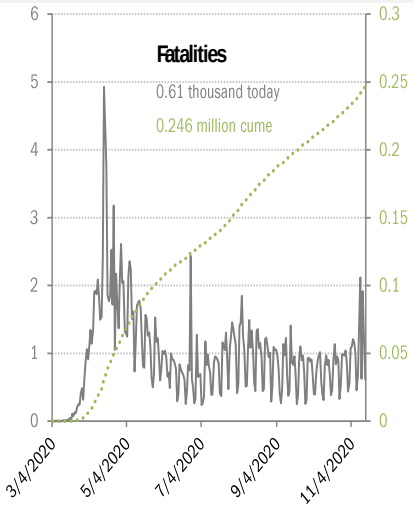


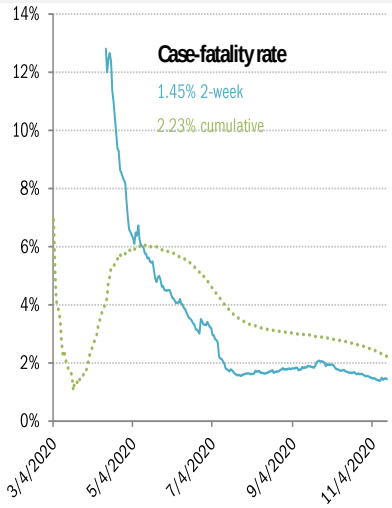
Source: States and test data Covid Tracking Project, US data ECDC, TrendMacro calculations

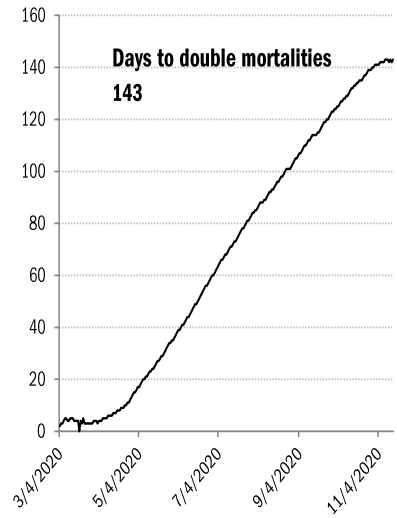
US deep-dive

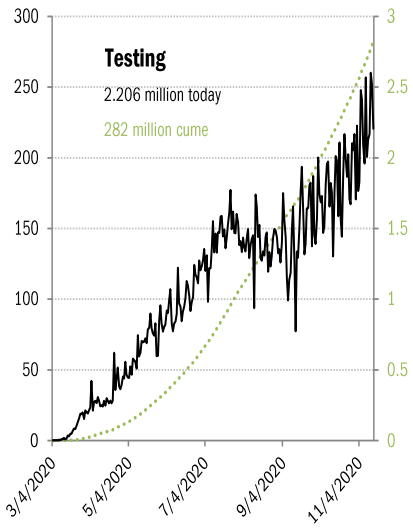
National and state-by-state data do not line up because of different sources

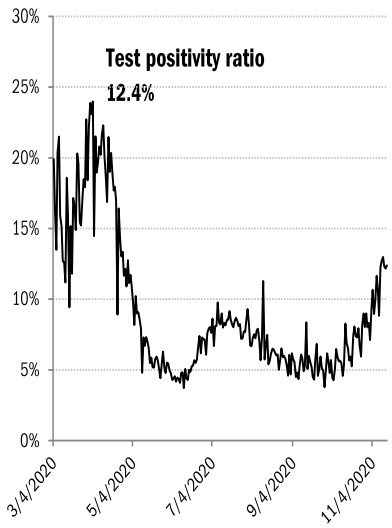


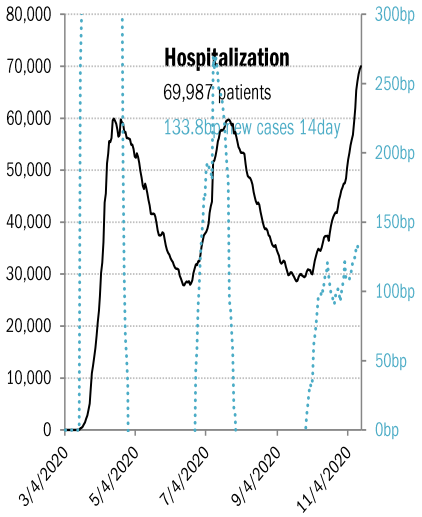


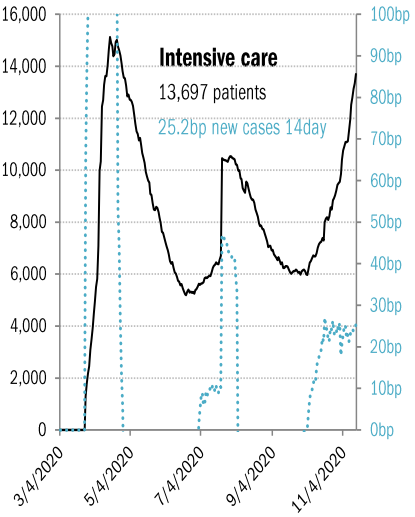


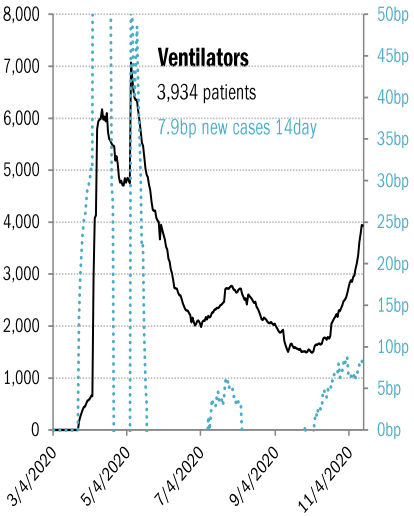












Source: Case and fatality data ECDC, Test and hospitalization Covid Tracking Project, TrendMacro calculations

Recommended reading

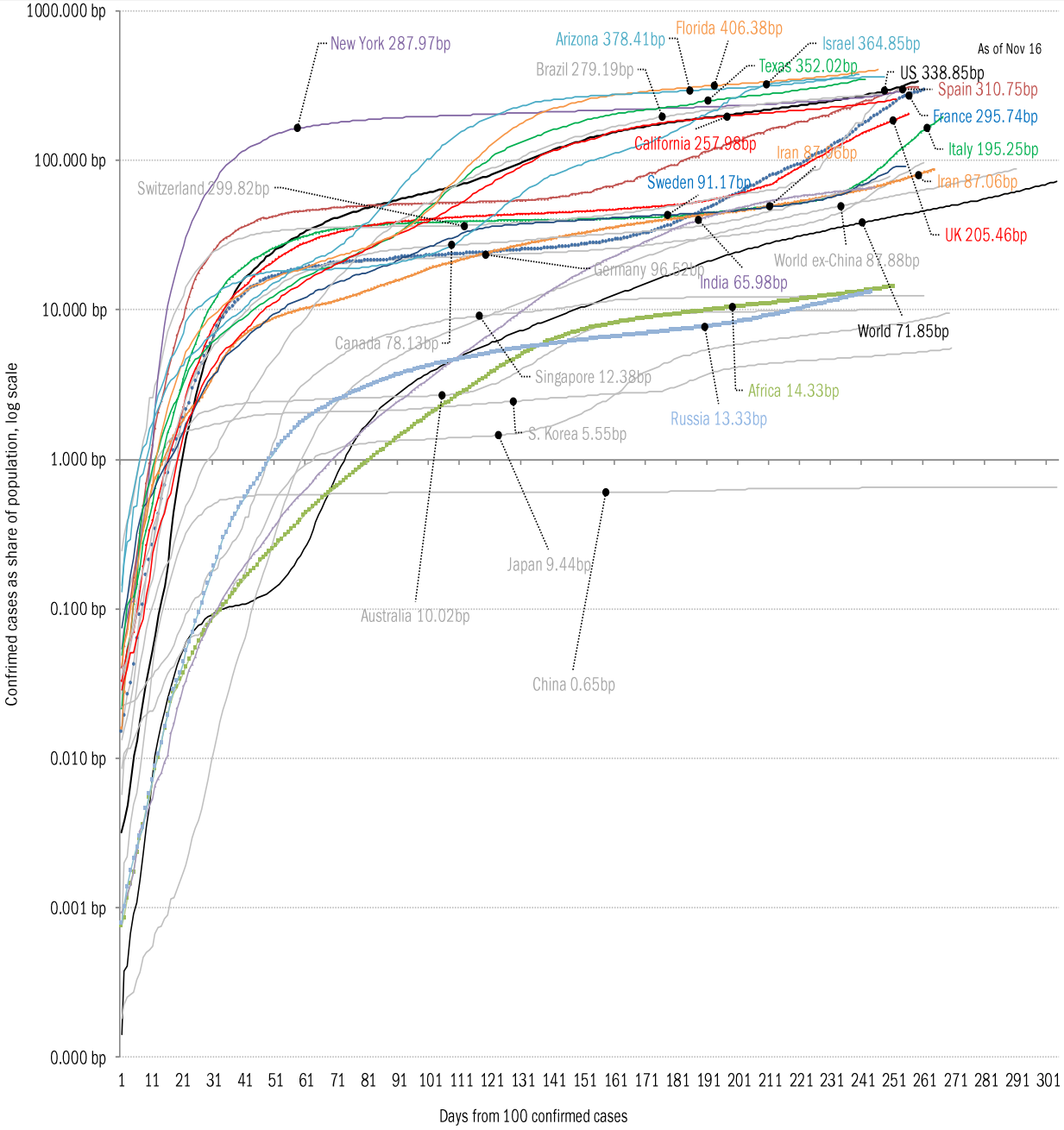
Gavin Newsom's Covid Laundry
Wall Street Journal
November 15, 2020

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

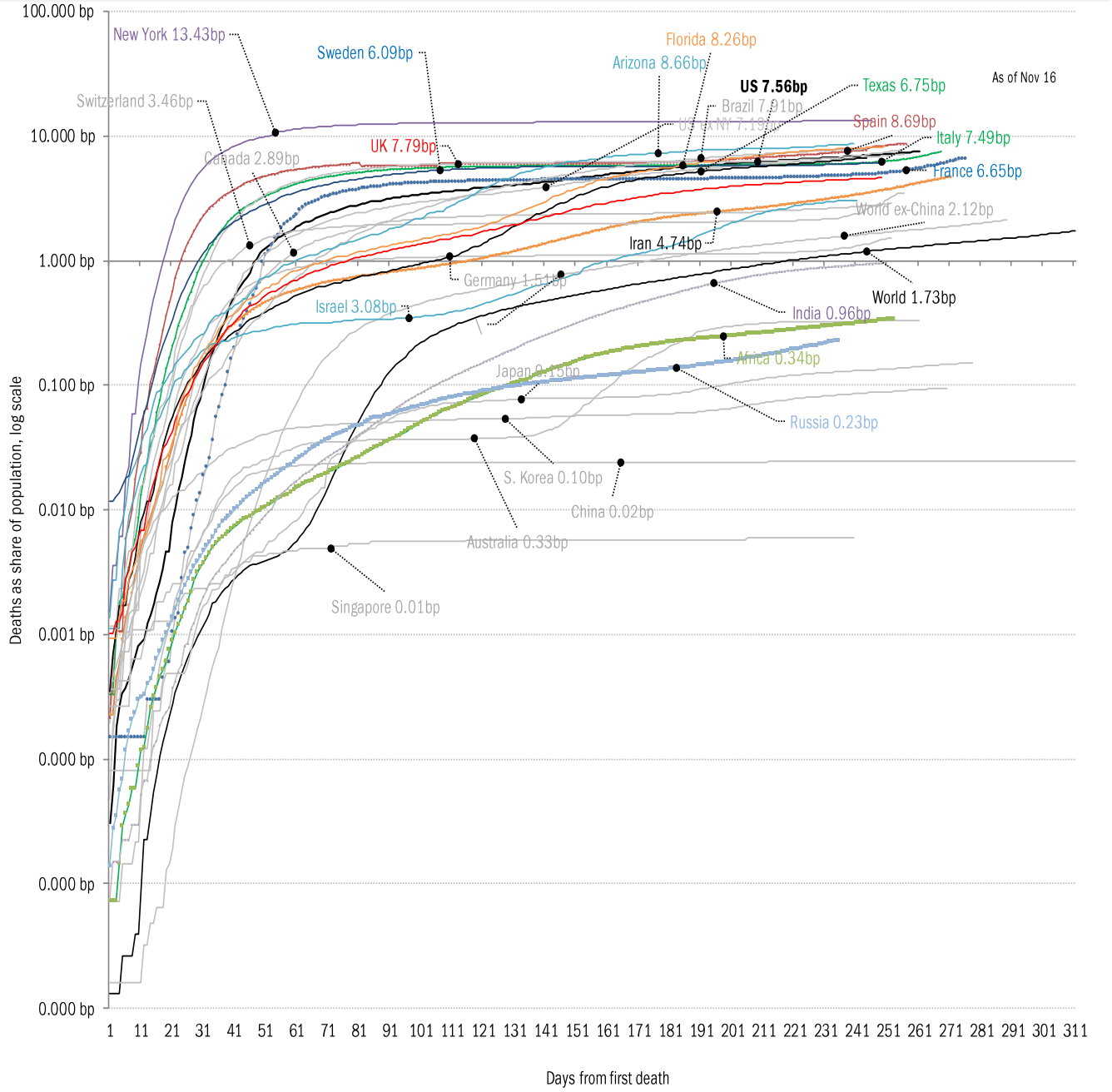
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

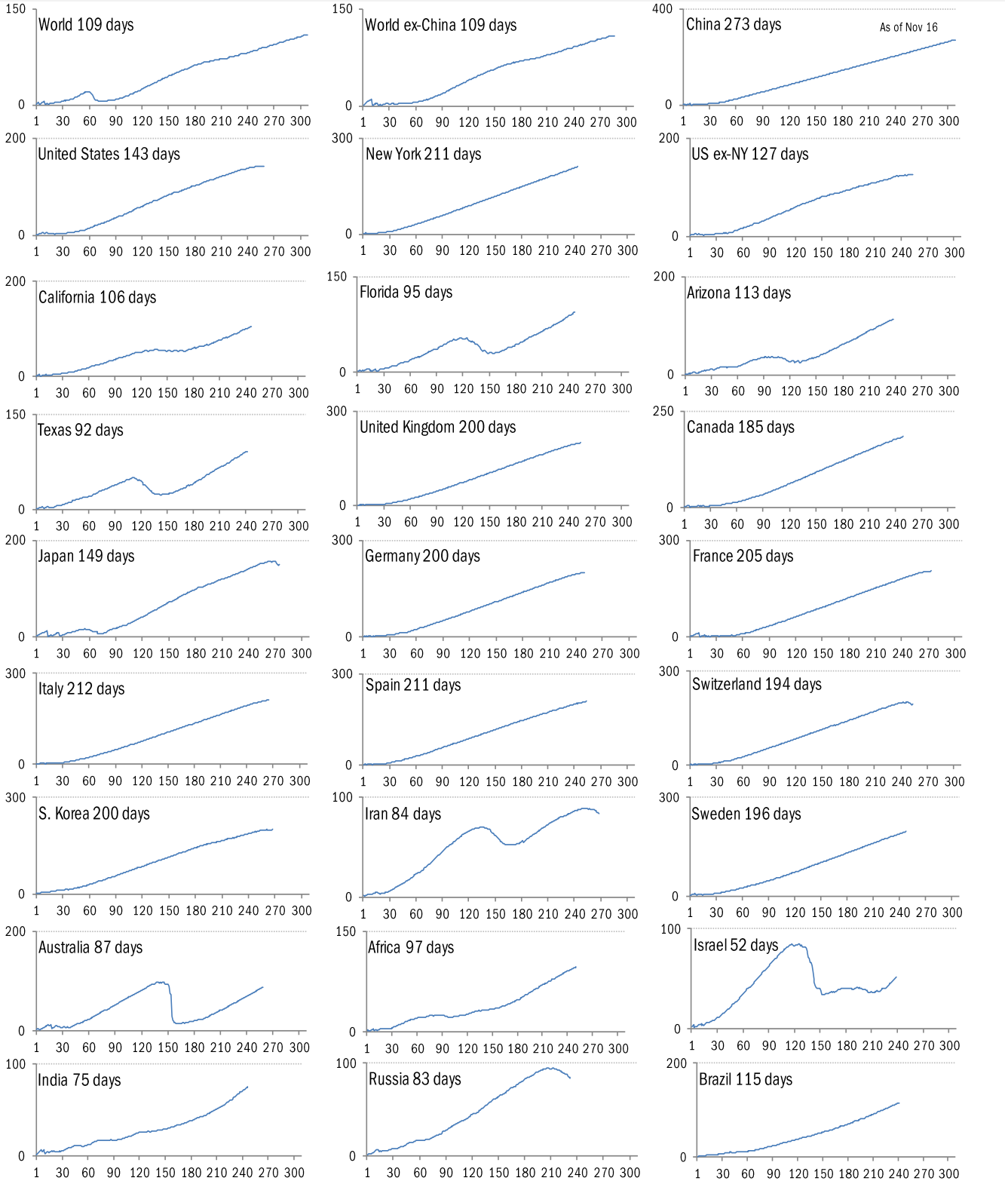


Source: ECDC, TrendMacro calculations

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

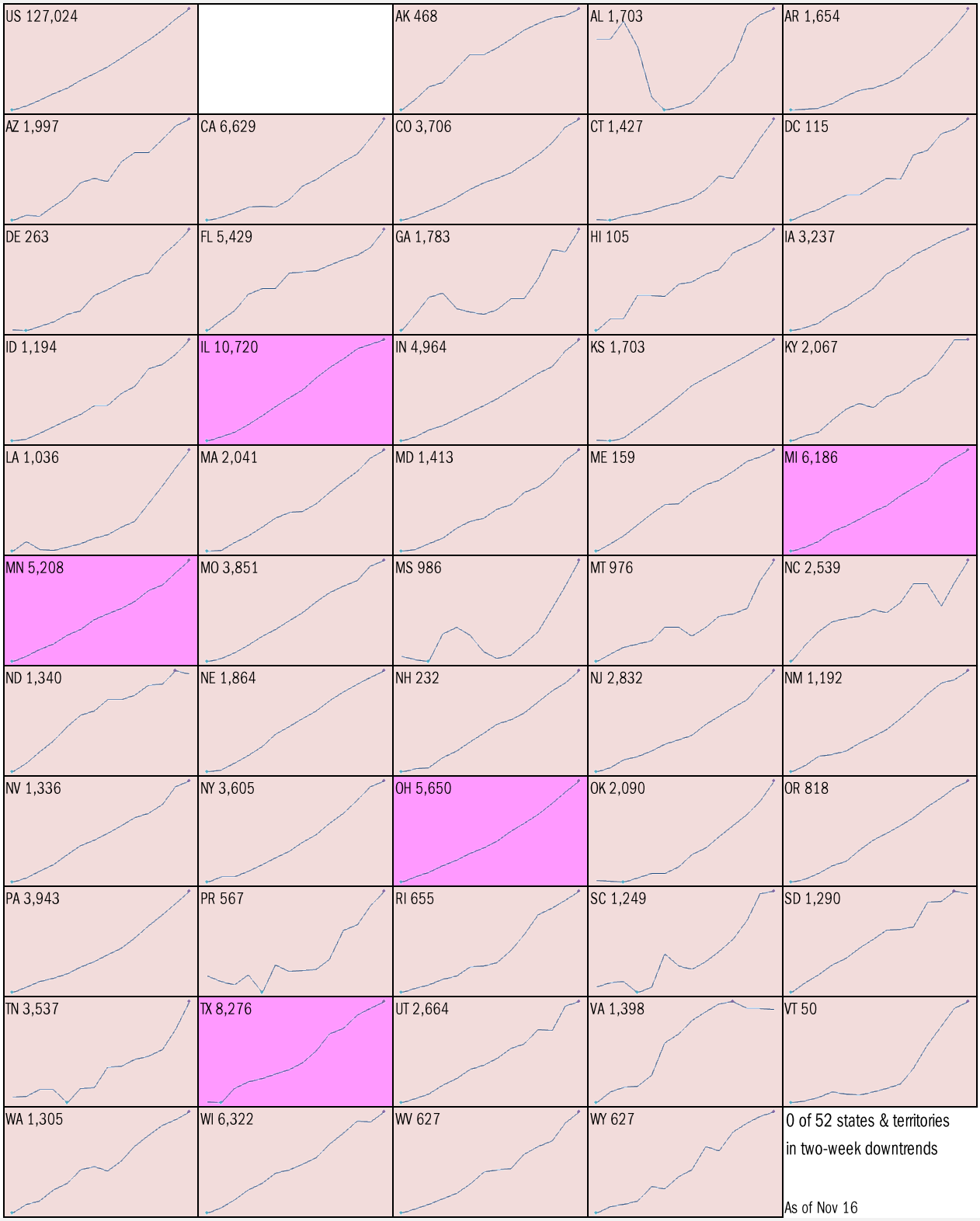


Source: ECDC, TrendMacro calculations

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

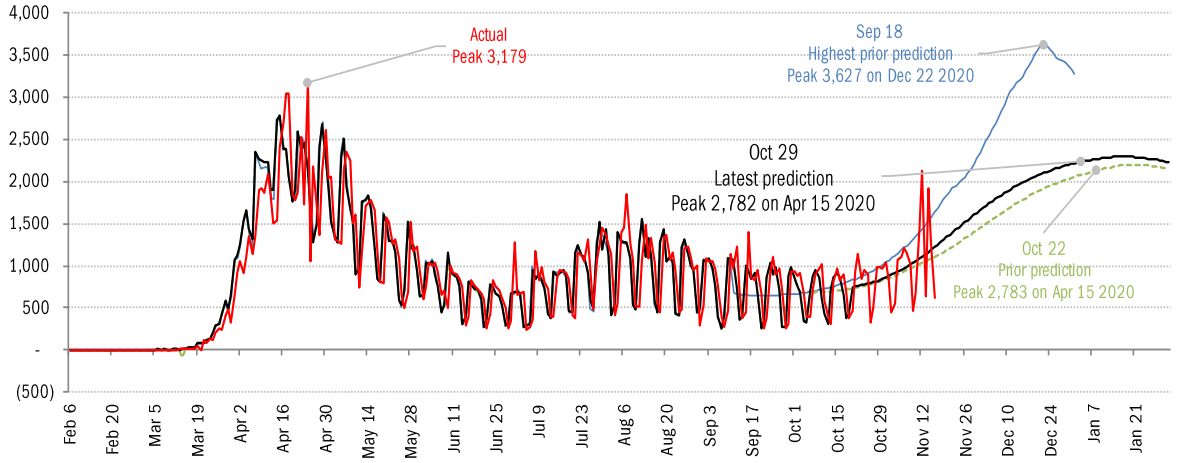
Downward trajectory Five best Upward trajectory Five worst

Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

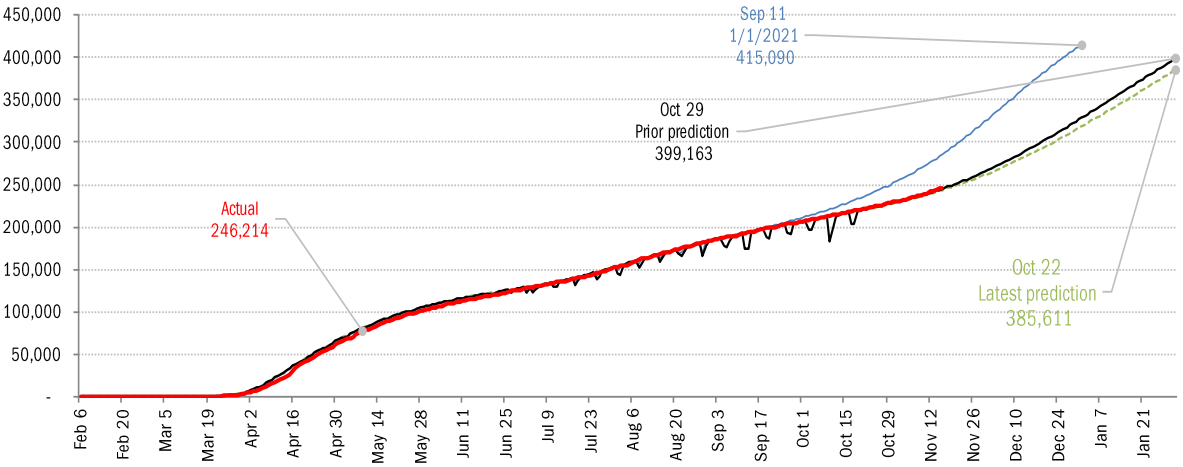
New daily fatalities As of Nov 16

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

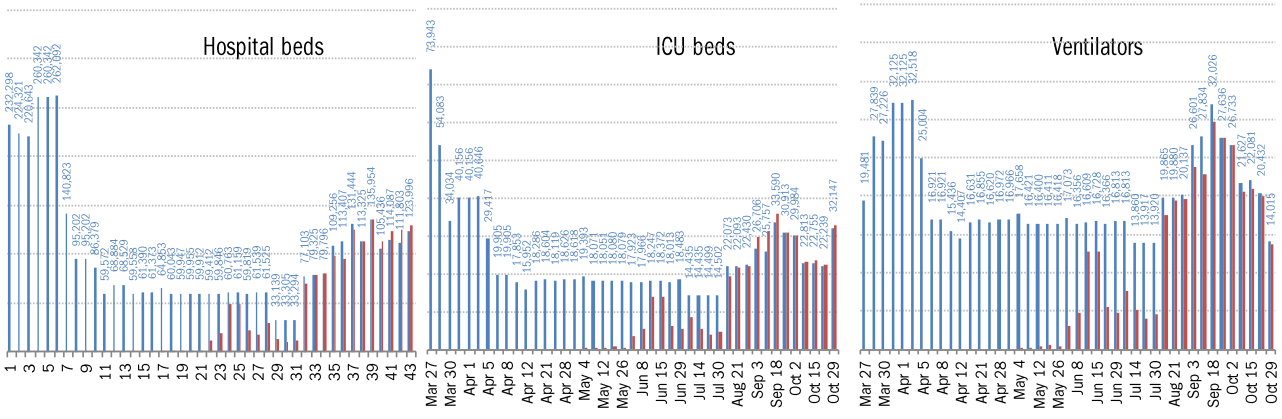


Cumulative fatalities

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

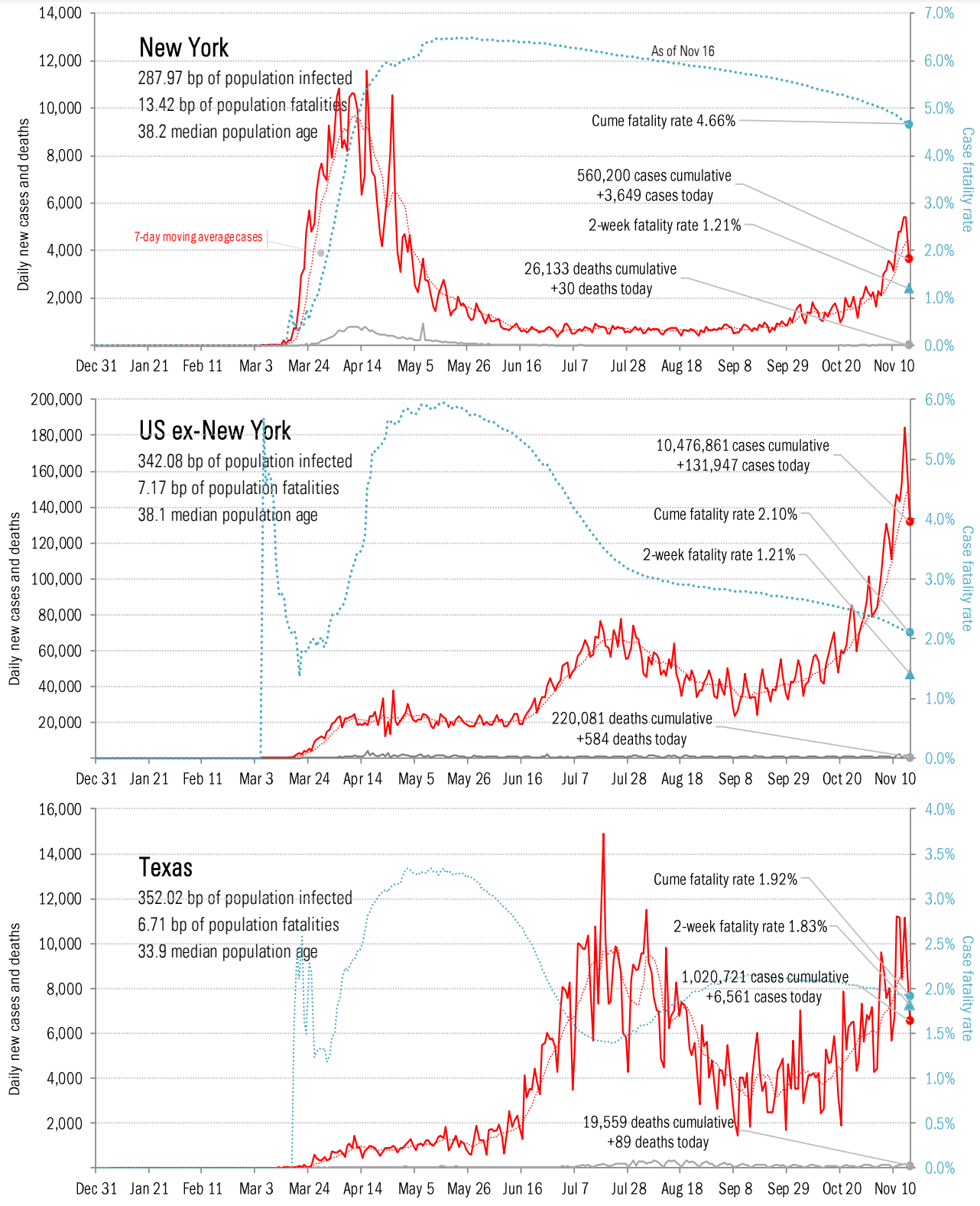


Healthcare system stress, peak and ultimate estimated at each model revision



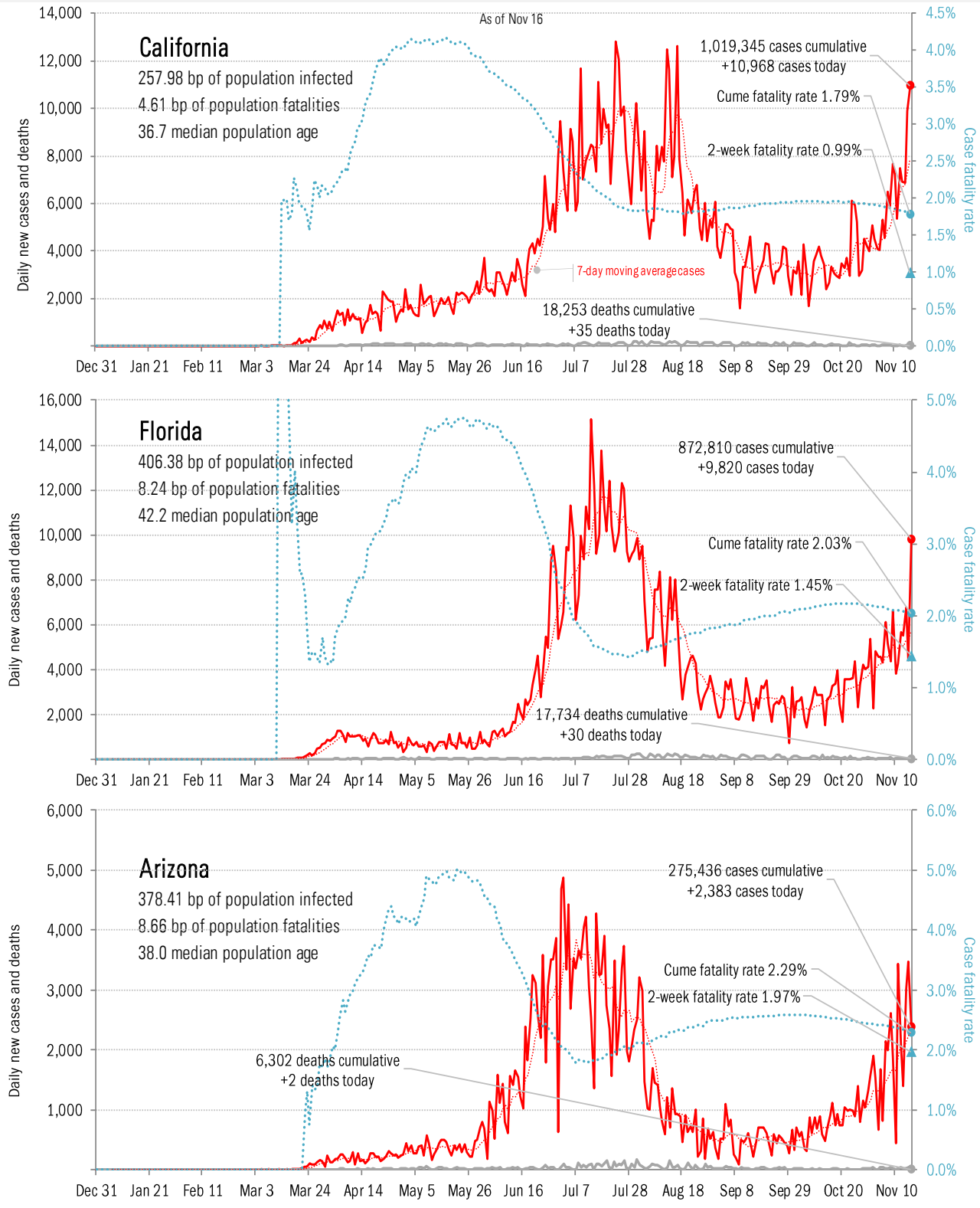
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



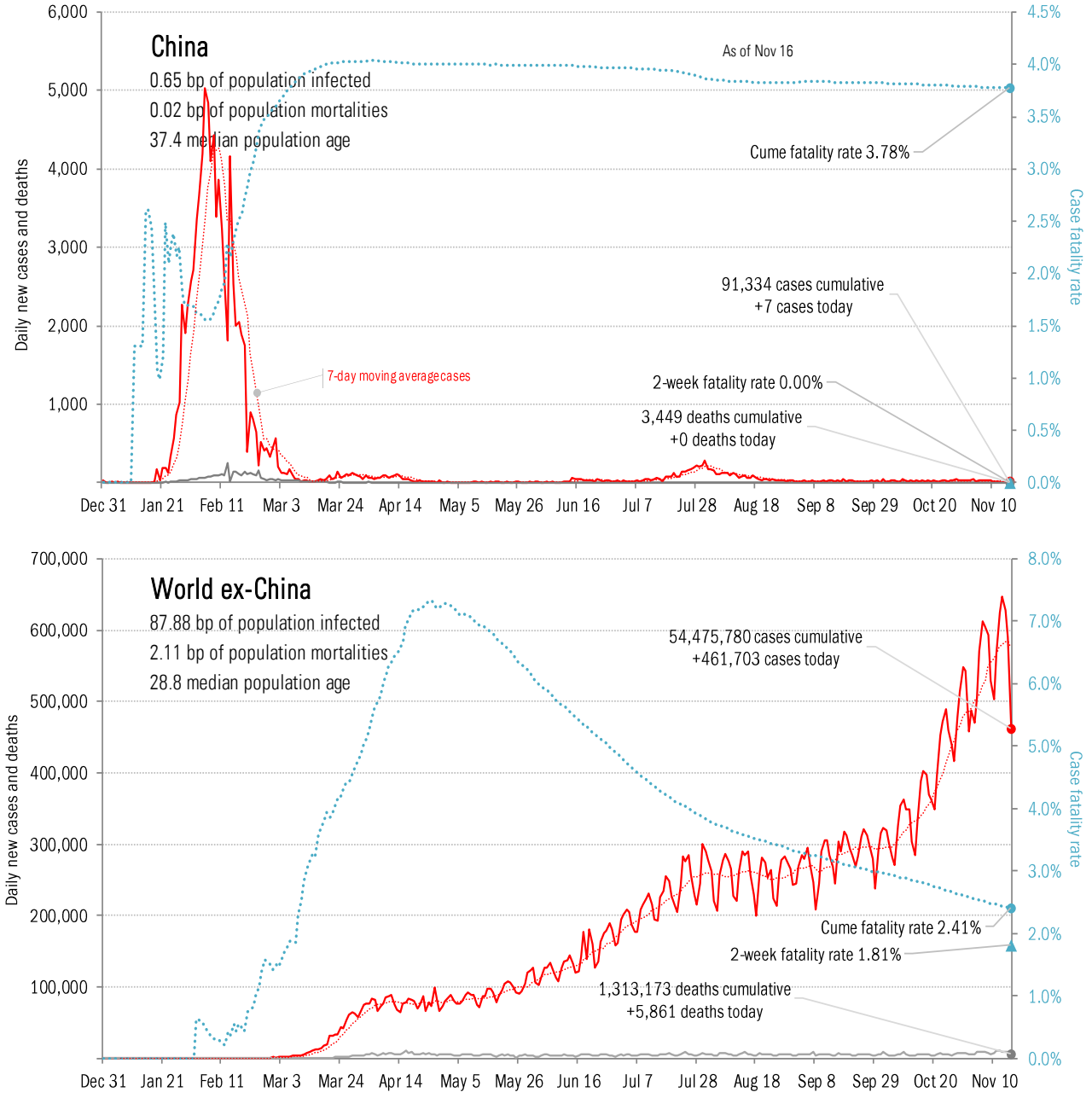
Source: ECDC, TrendMacro calculations

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



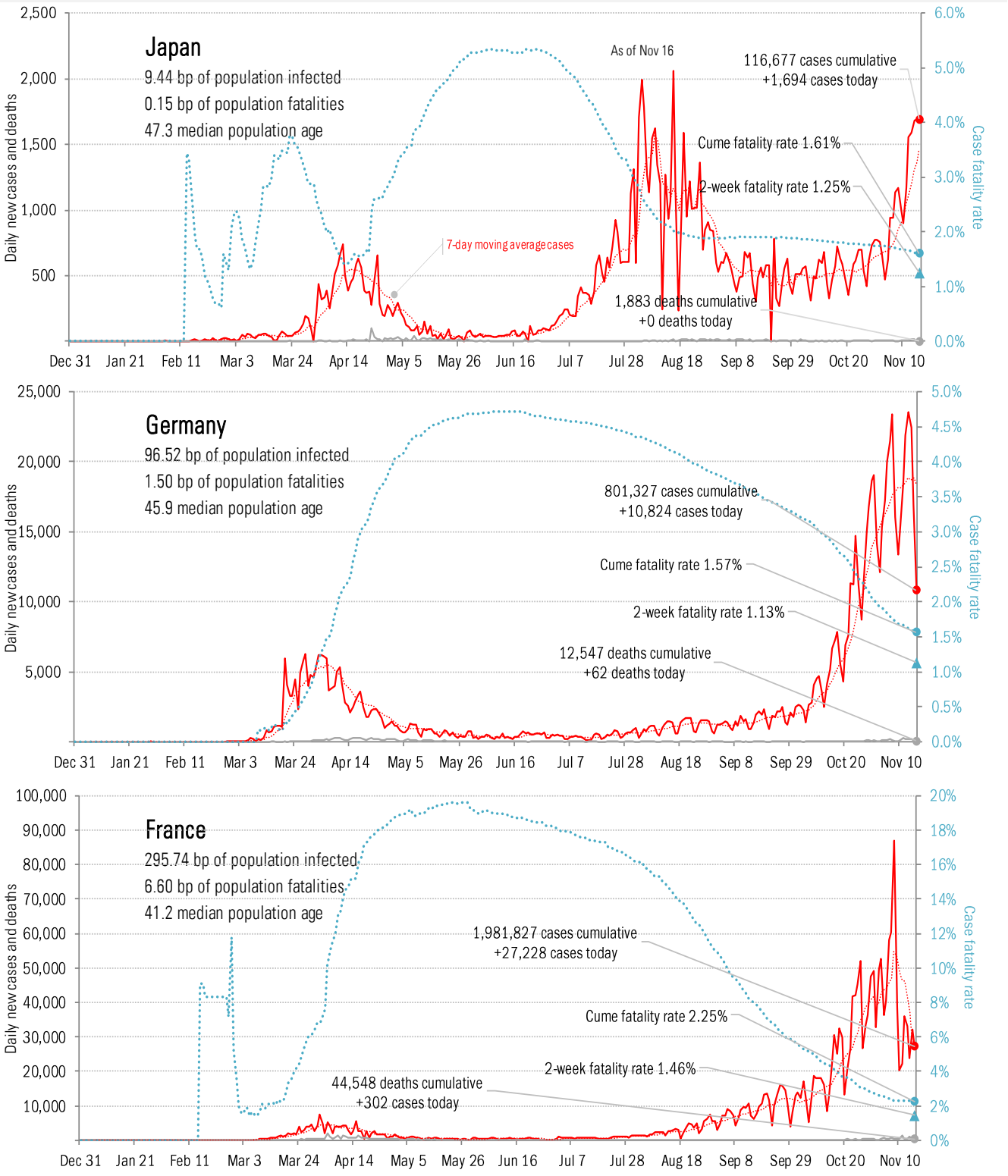
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



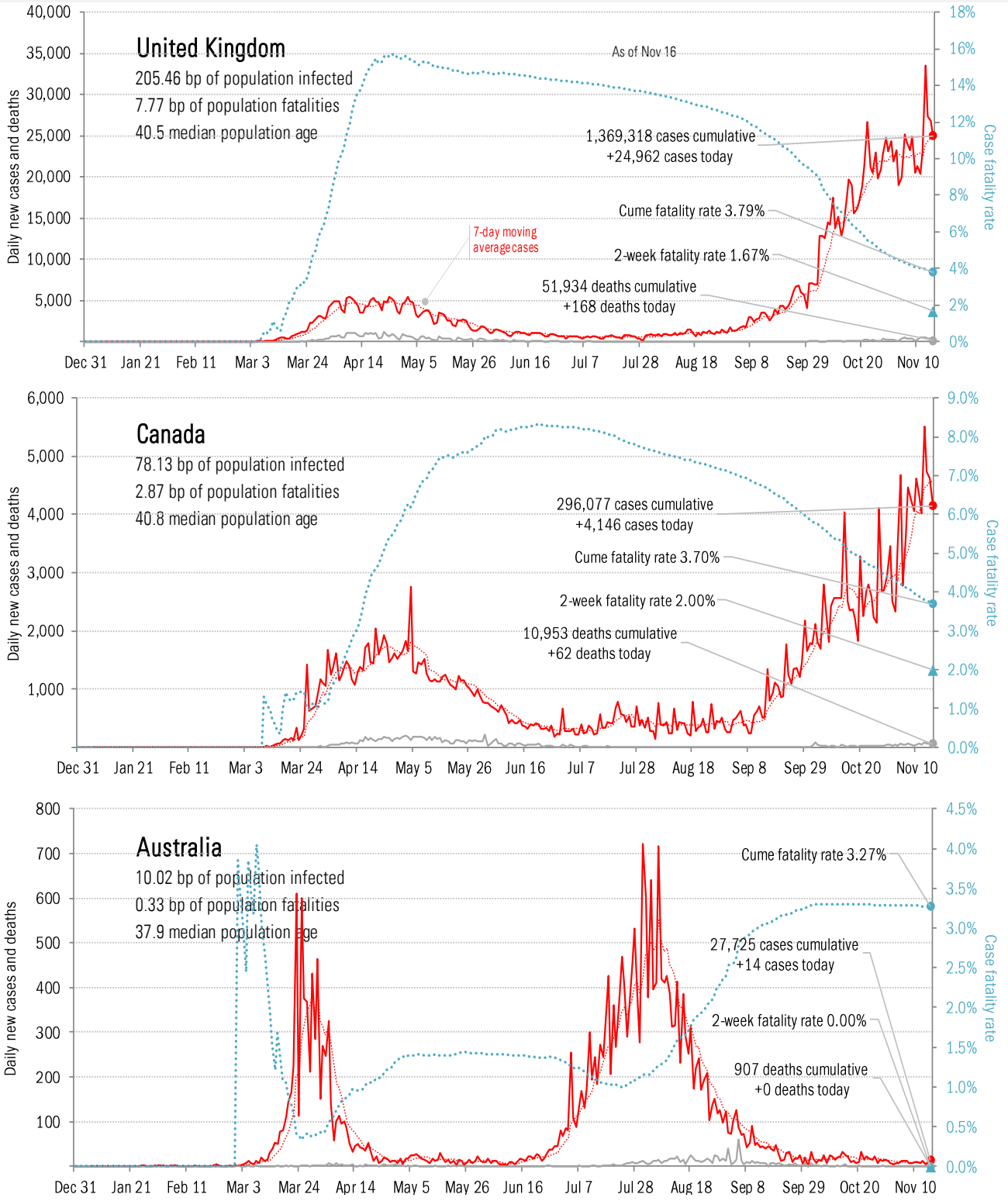
Source: ECDC, TrendMacro calculations

Impact in the largest economies



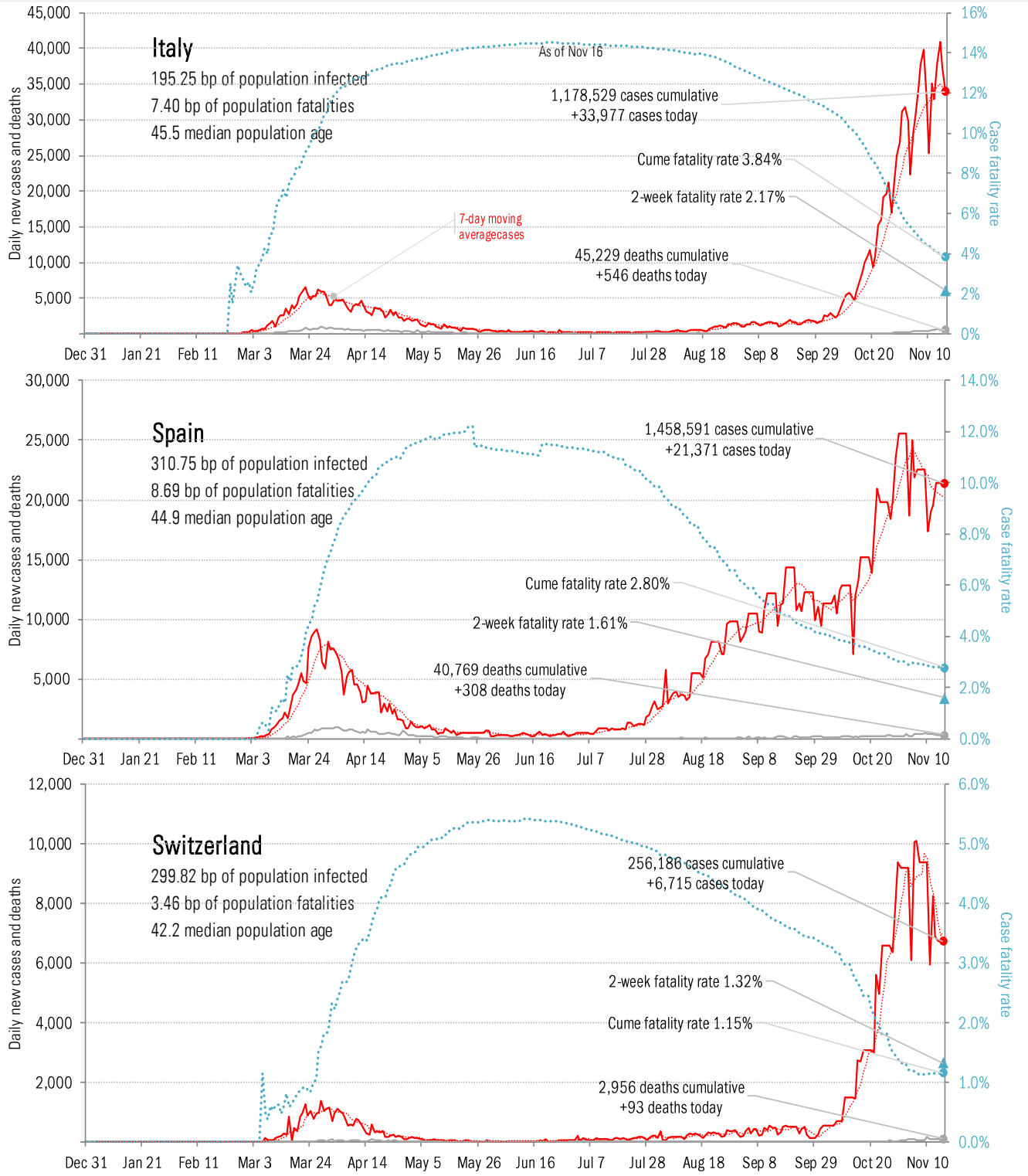
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



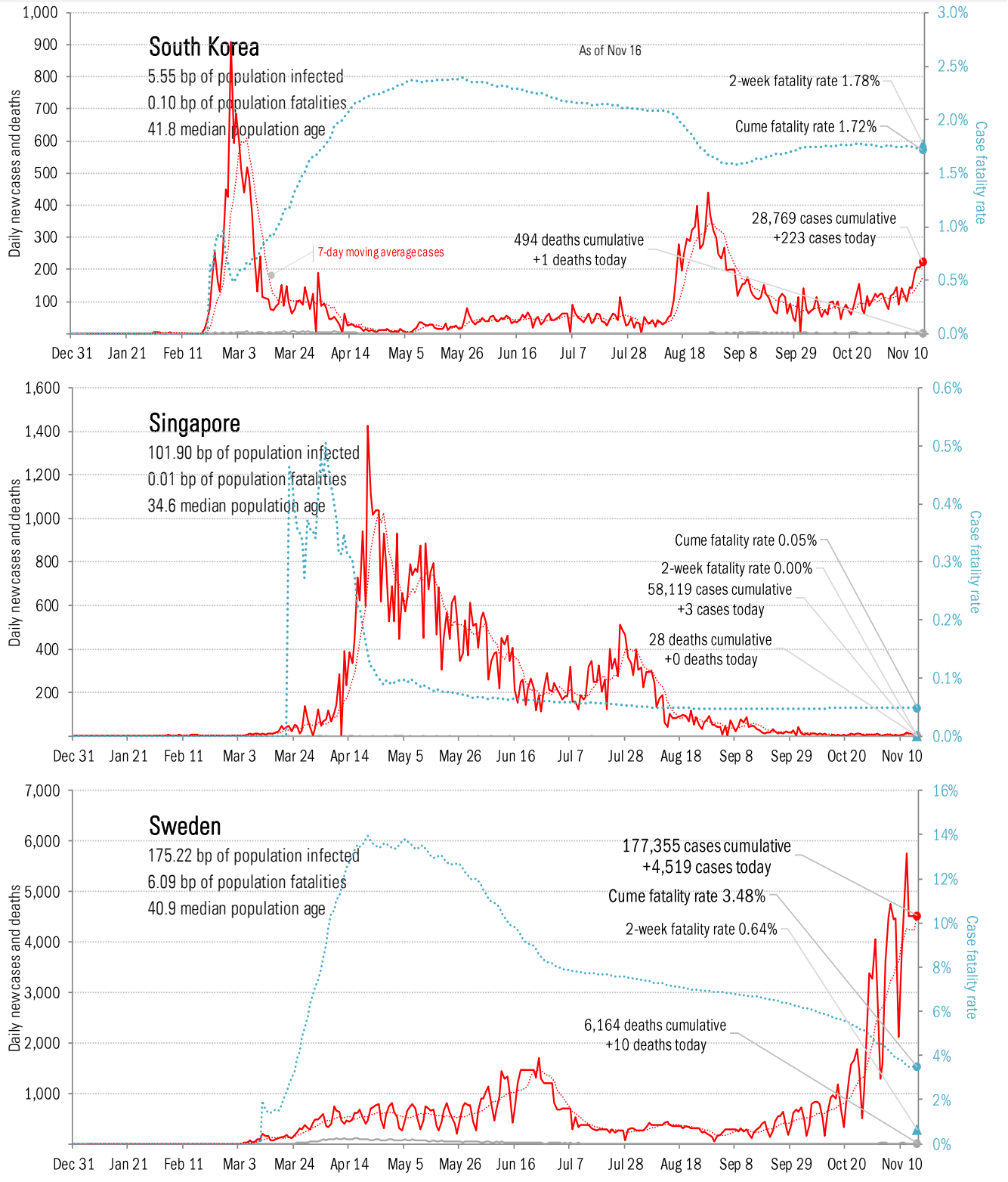
Source: ECDC, TrendMacro calculations

Impact in continental Europe



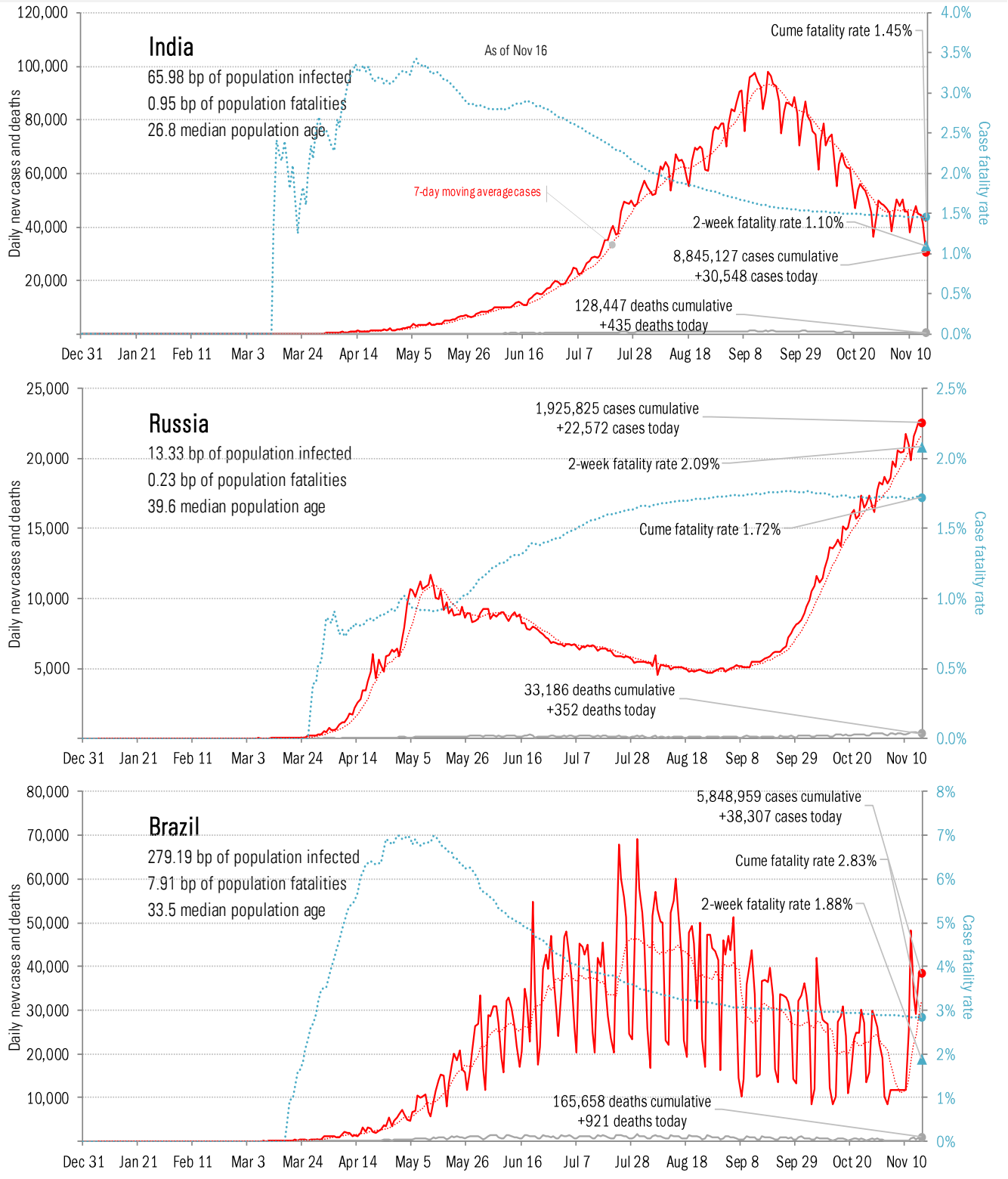
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



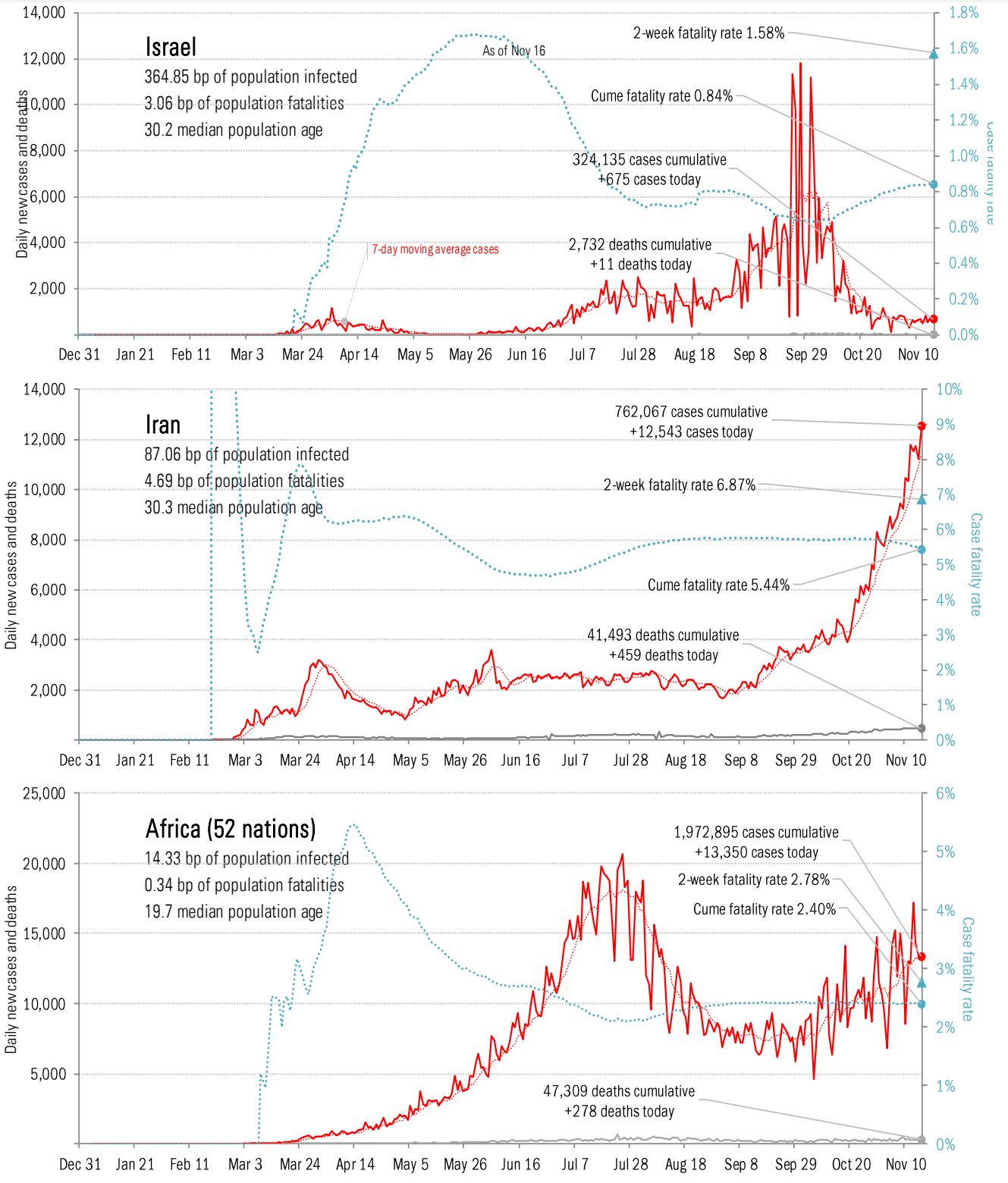
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations