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

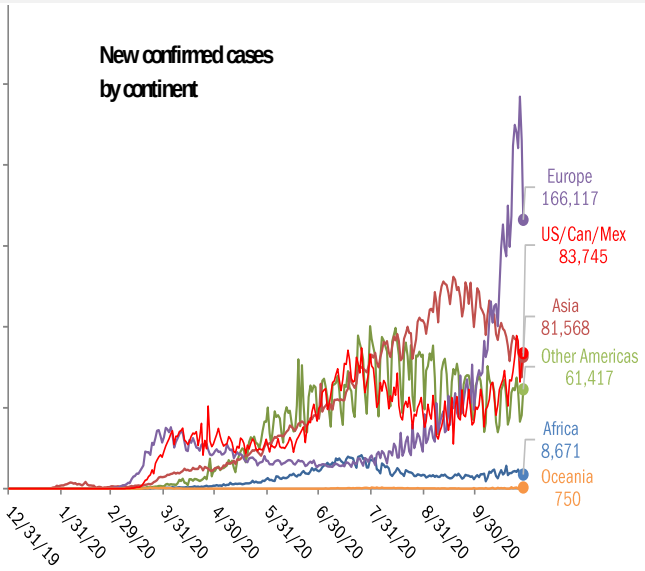
Data Insights: Covid-2019 Monitor

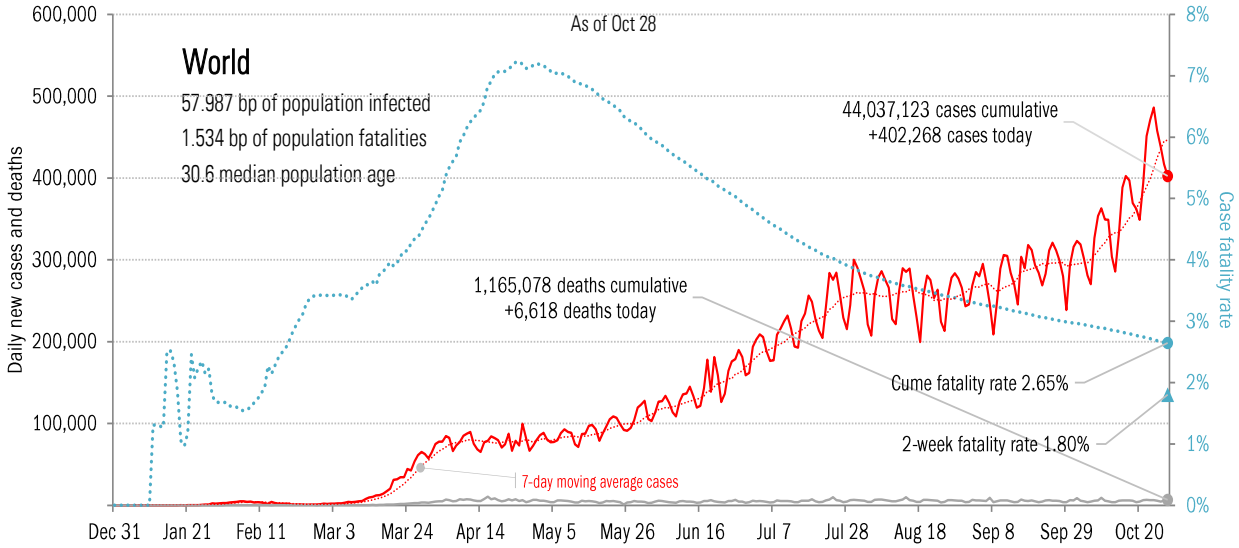
Wednesday, October 28, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+75,129	US	+988
India	+43,893	Mexico	+643
France	+33,417	Brazil	+549
Brazil	+29,787	France	+523
UK	+22,885	India	+508
Italy	+21,989	Argentina	+429
Spain	+18,418	UK	+367
Poland	+16,300	Iran	+346
Czechia	+15,663	Italy	+221
Argentina	+14,308	Colombia	+217
	+291,789		+4,791
World	+402,268	World	+6,618
Top ten	73%	Top ten	72%





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

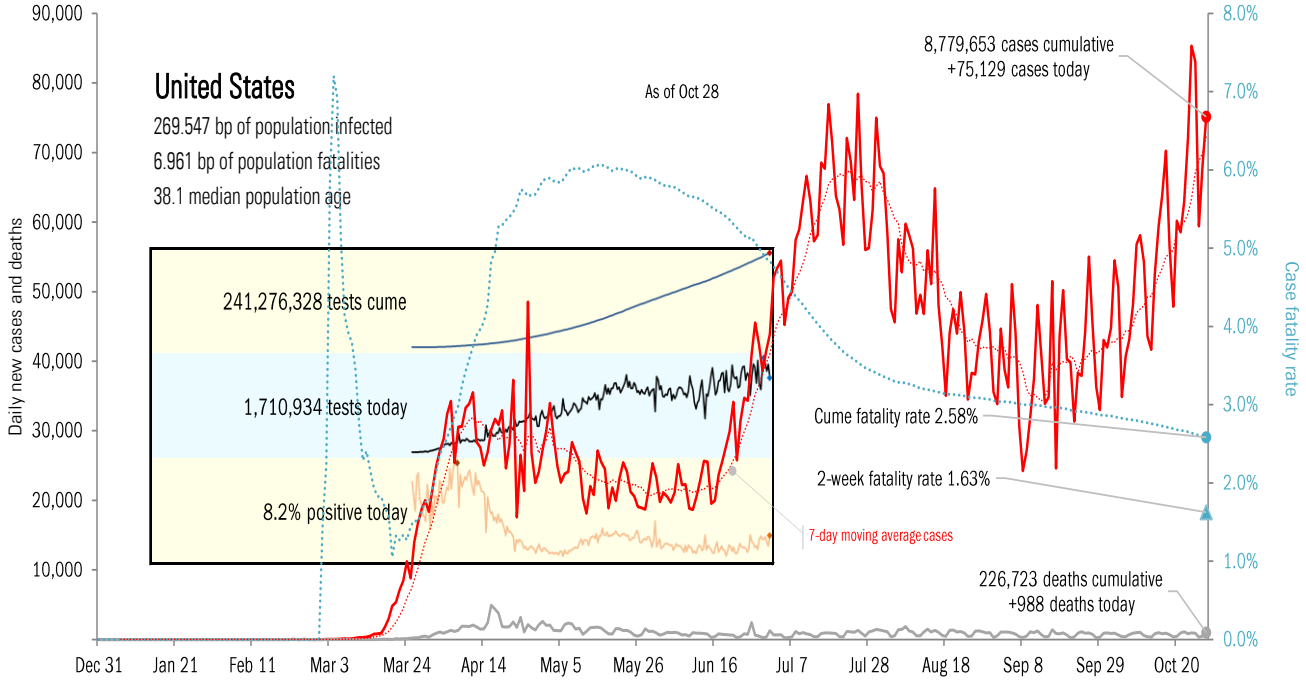
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
TX	+7,292	TX	+81	TX	+234	CA	904,198	NY	25,758	NY	89,995
WI	+5,501	WI	+71	TN	+146	TX	874,367	TX	17,595	FL	49,077
FL	+4,226	FL	+57	IL	+120	FL	776,215	CA	17,400	NJ	37,414
IL	+4,000	IN	+51	GA	+83	NY	498,646	FL	16,709	GA	31,256
CA	+3,188	IL	+46	FL	+58	IL	387,698	NJ	16,306	AZ	21,172
PA	+2,751	TN	+44	KY	+55	GA	353,372	MA	9,888	VA	20,783
MI	+2,675	CA	+43	IN	+53	NC	263,883	IL	9,838	AL	19,974
OH	+2,509	NC	+41	OH	+50	TN	251,774	PA	8,696	OH	18,433
CO	+2,211	MI	+33	MN	+44	AZ	240,122	GA	7,844	MD	16,859
MN	+2,164	MO	+28	PR	+39	NJ	231,331	MI	7,585	IN	16,064
	+36,517		+495		+882		4,781,606		137,619		321,027
All states	+73,096	All states	+931	All states	+1,295	All states	8,723,438	All states	218,349	All states	465,777
Top ten	50%	Top ten	53%	Top ten	68%	Top ten	55%	Top ten	63%	Top ten	69%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-2,446	MA	-10	MI	-150	AR	+7
CT	-1,509	WY	-9	NJ	-71	AL	+5
MI	-1,382	CT	-6	VA	-36	UT	+4
IL	-729	GU	-4	NC	-24	AK	+0
TN	-371	MT	-4	LA	-22	AS	+0



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

Recommended reading

[Cuomo Seeks to Keep 95% of U.S. Out of New York as Virus Rages]
Keshia Clukey
Bloomberg
October 27, 2020

[Lockdowns Near as European Governments Run Out of Options]
Marthe Fourcade and Rudy Ruitenberg
Bloomberg
October 26, 2020

[What is the role of T cells in COVID-19 infection? Why immunity is about more than antibodies]
Annette Plüddemann, Jeffrey K. Aronson
Center for Evidence-Based Medicine
October 19, 2020

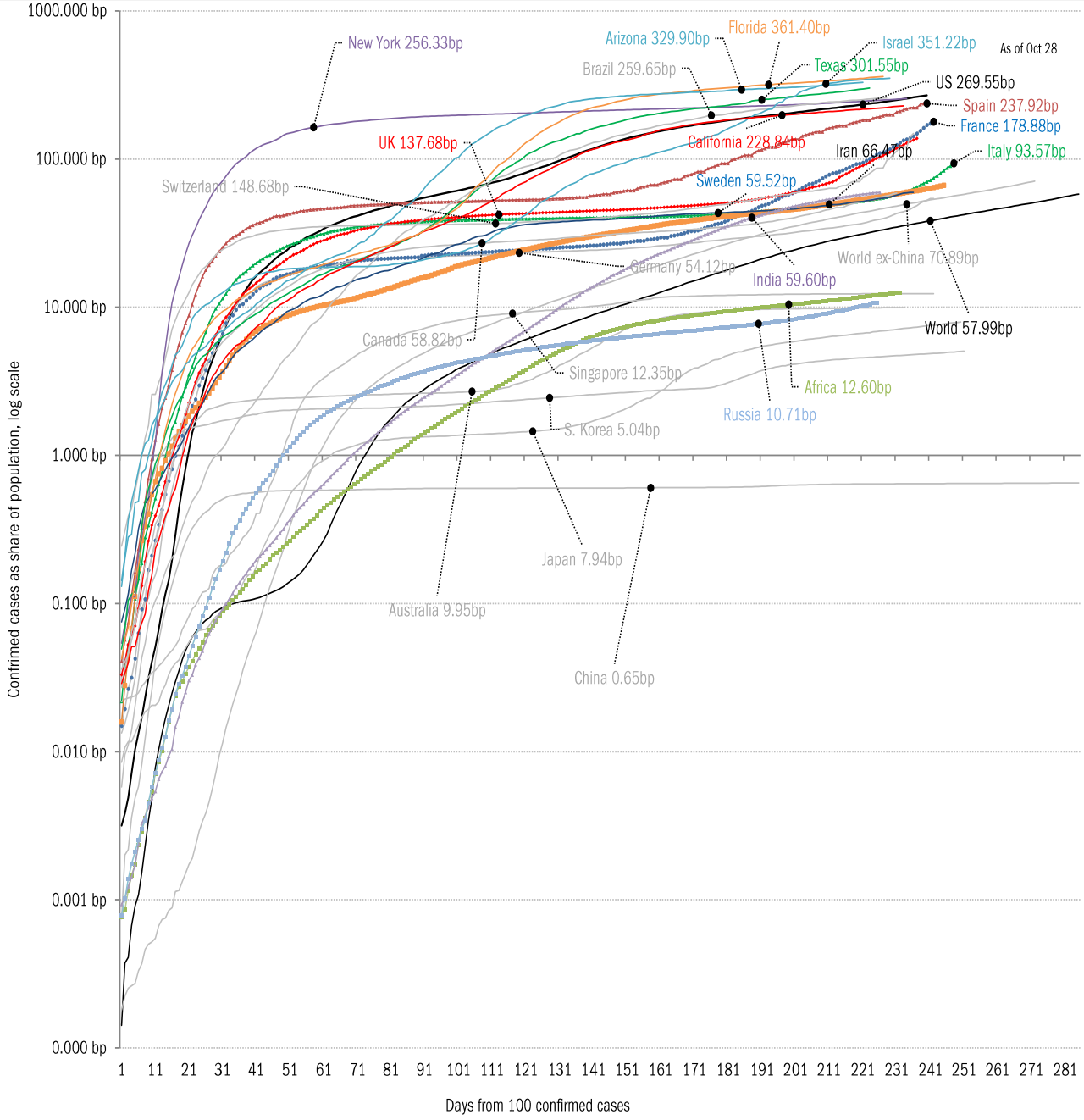
[Johnson Faces Lockdown Revolt From More Than 50 U.K. Tories]
Tim Ross and Joe Mayes
Bloomberg
October 26, 2020

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

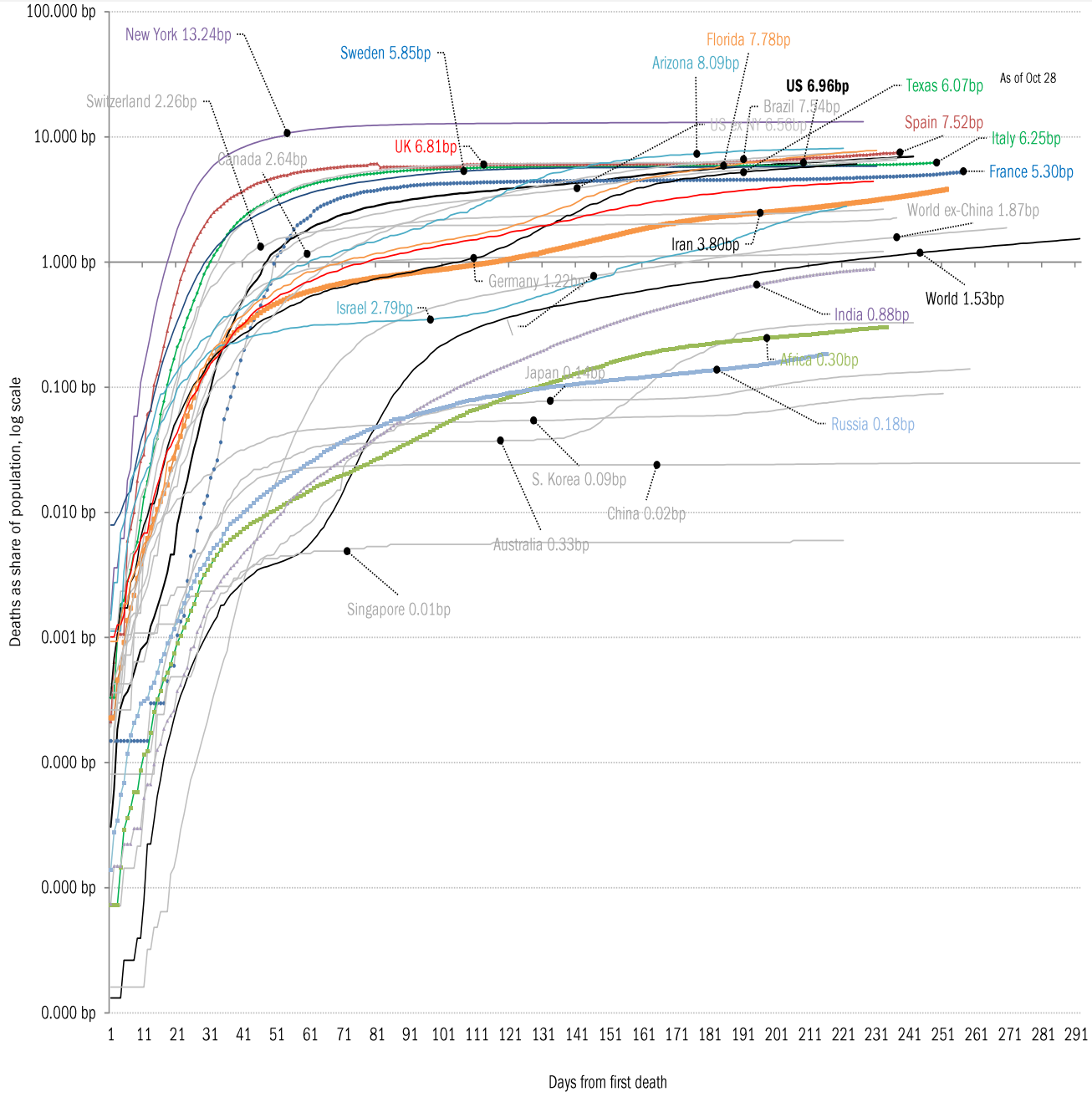
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

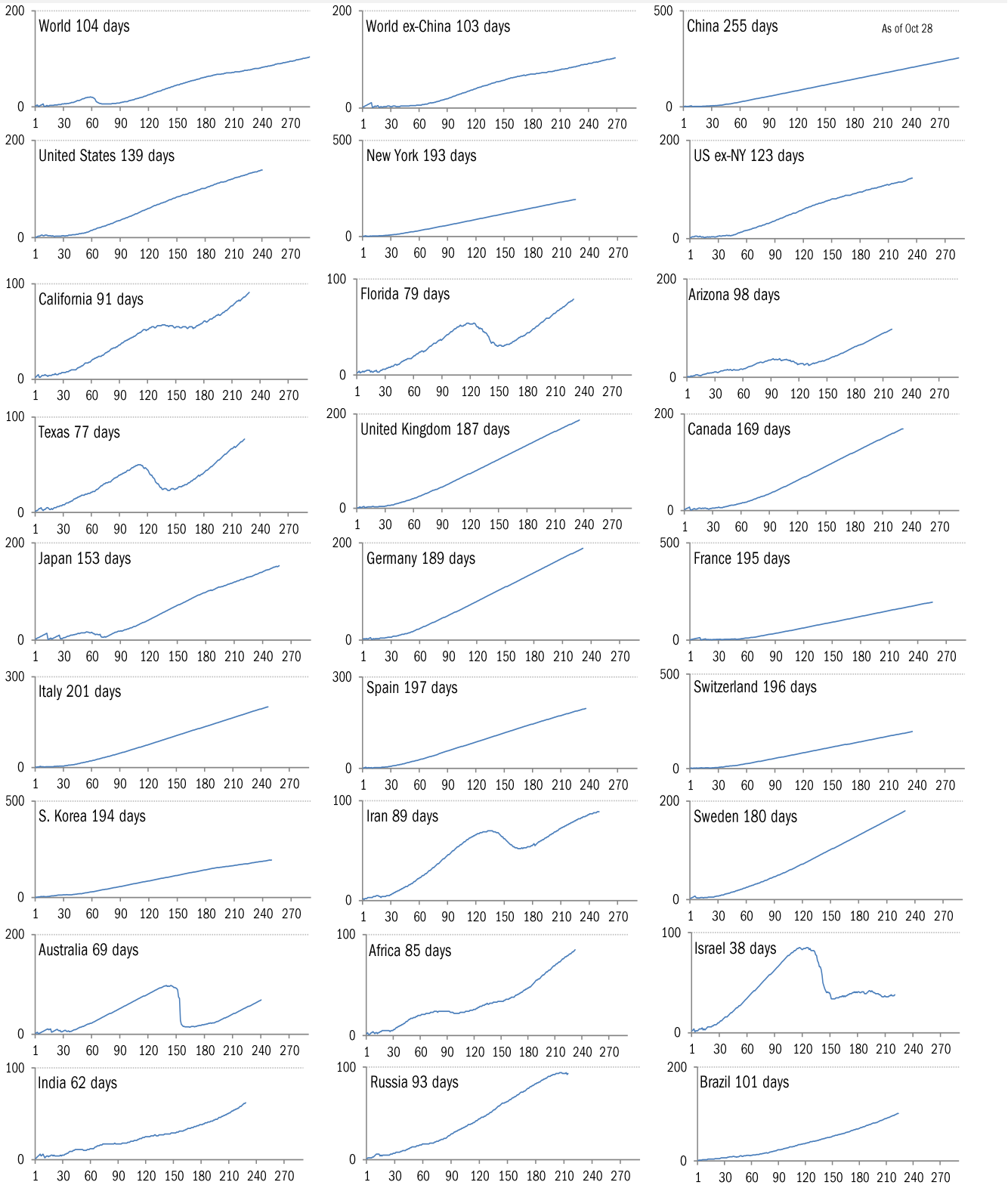


Source: ECDC, TrendMacro calculations

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

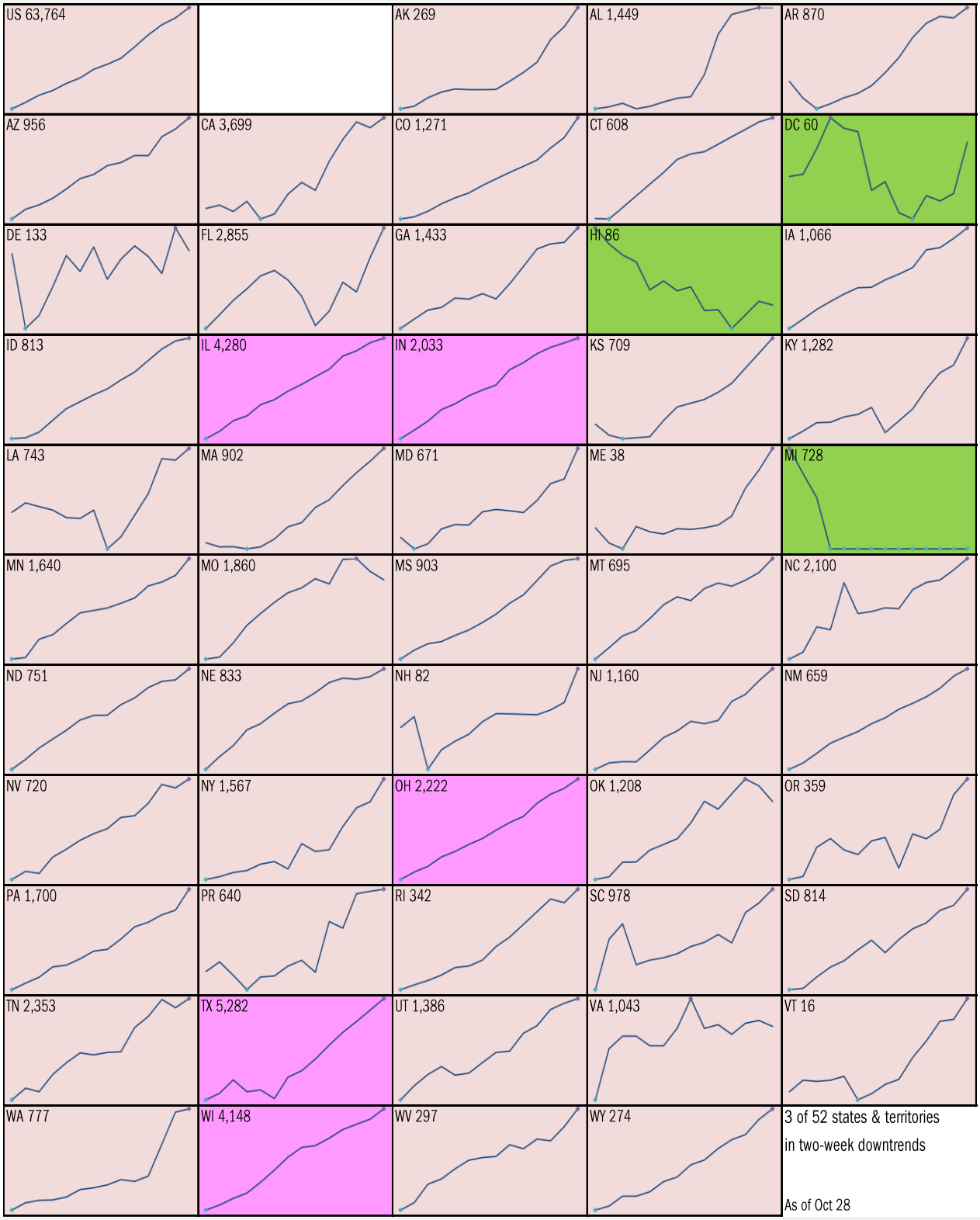


Source: ECDC, TrendMacro calculations

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

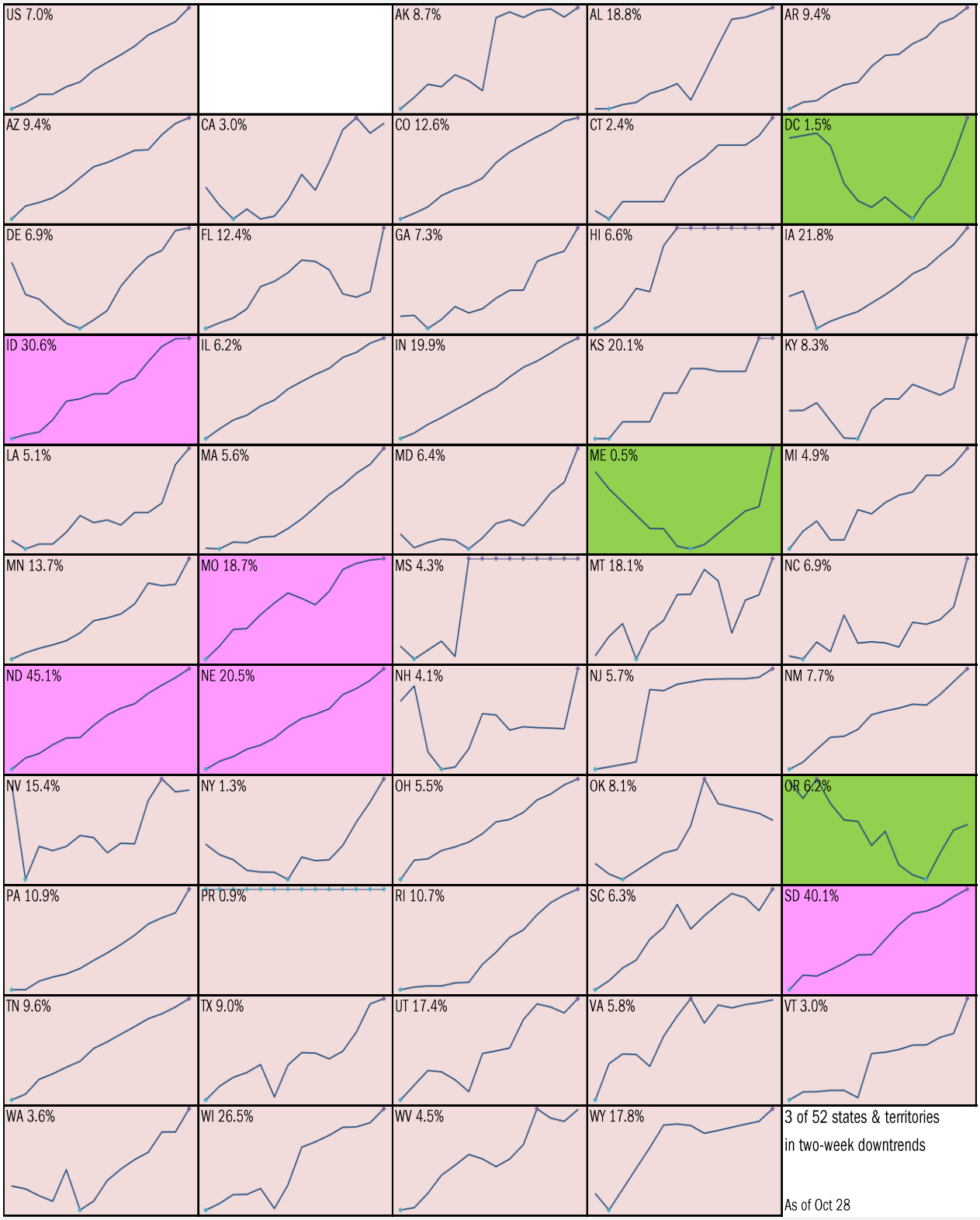


Source: Covid Tracking Project, TrendMacro calculations

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

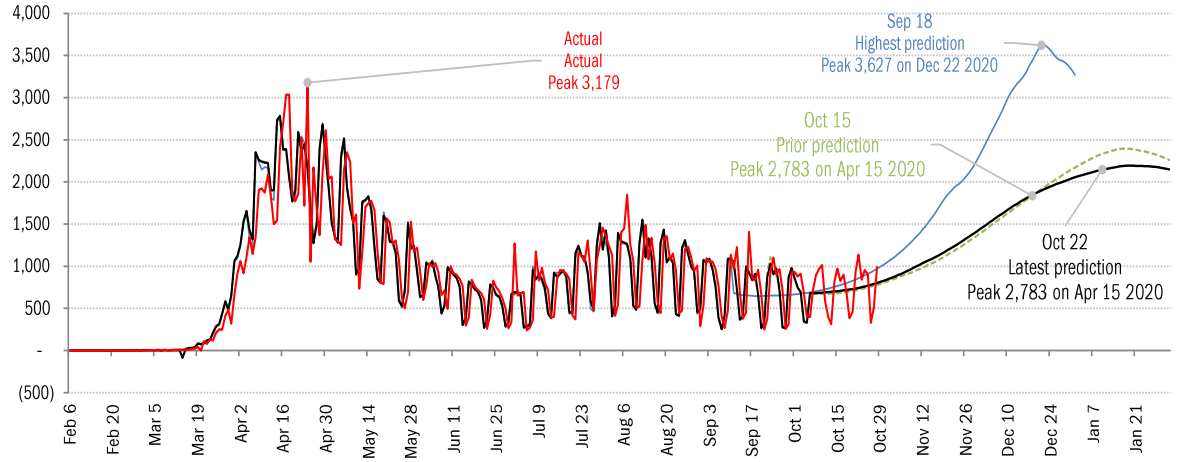


Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

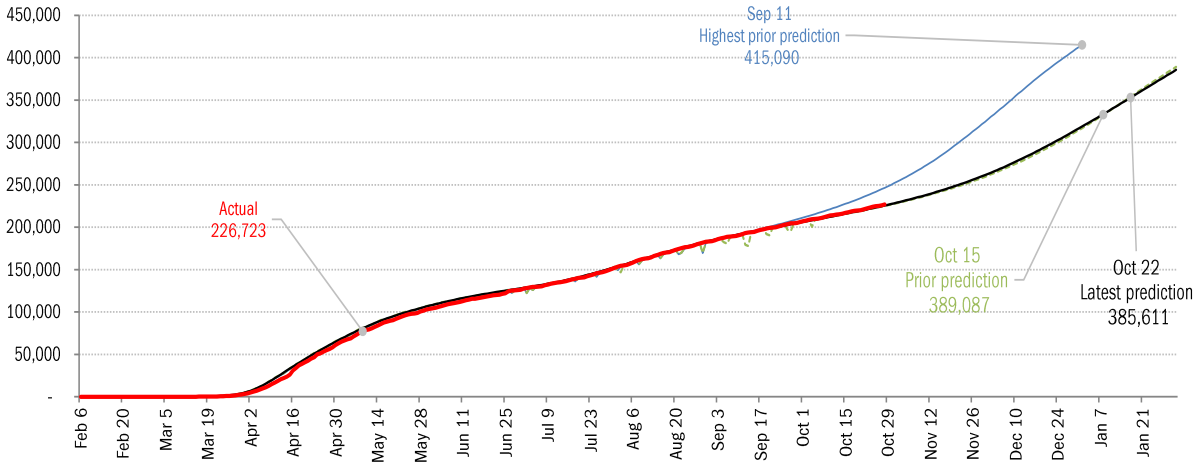
New daily fatalities As of Oct 28

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

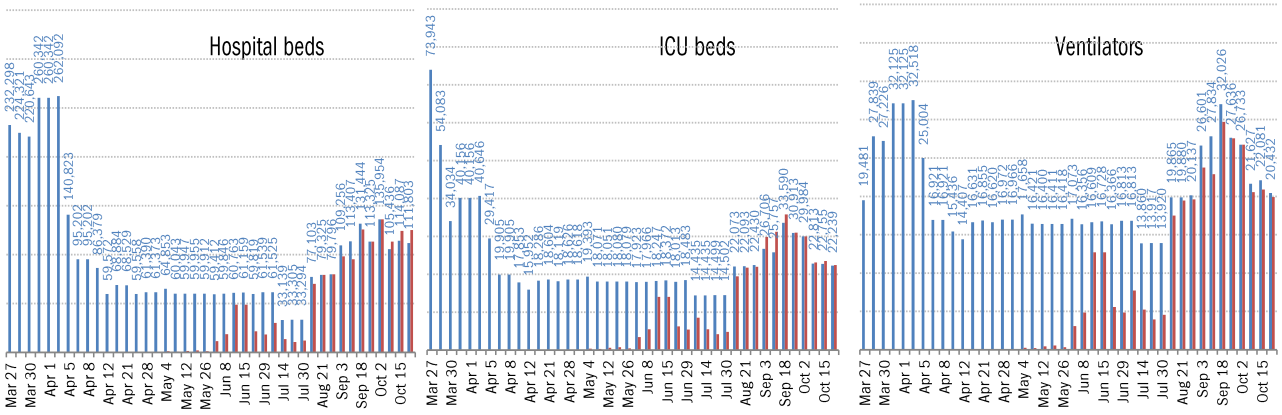


Cumulative fatalities

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

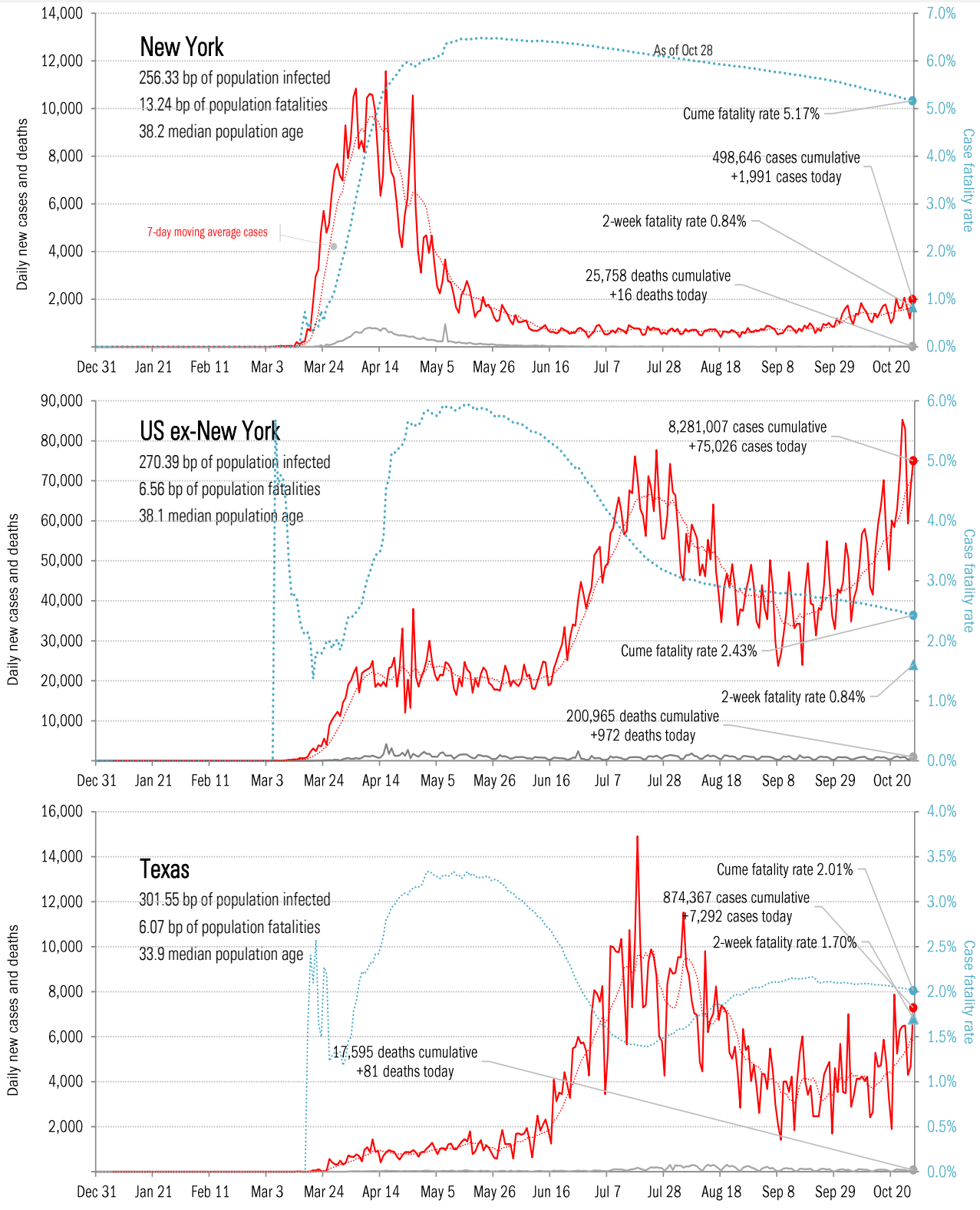


Healthcare system stress, peak and ultimate estimated at each model revision



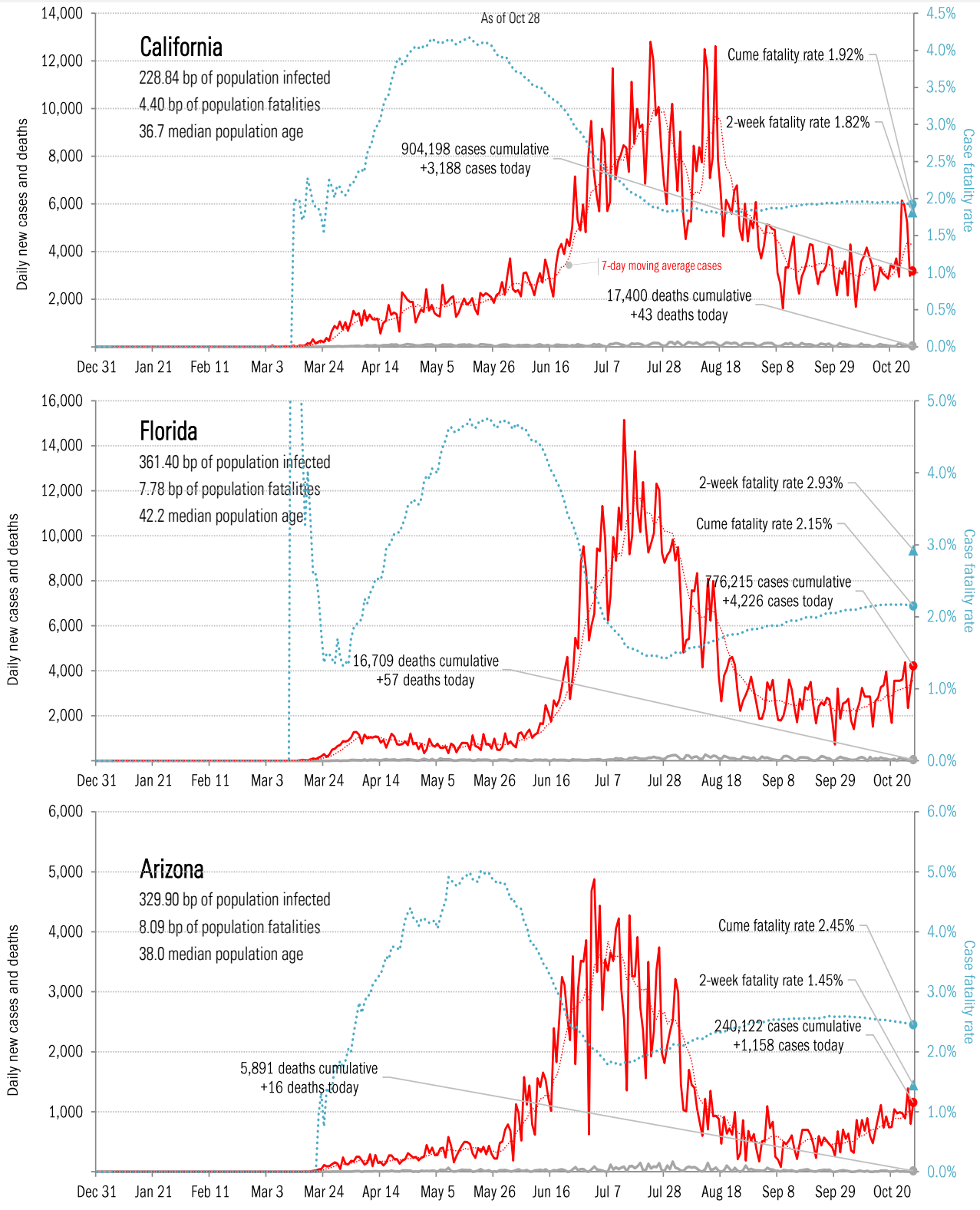
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



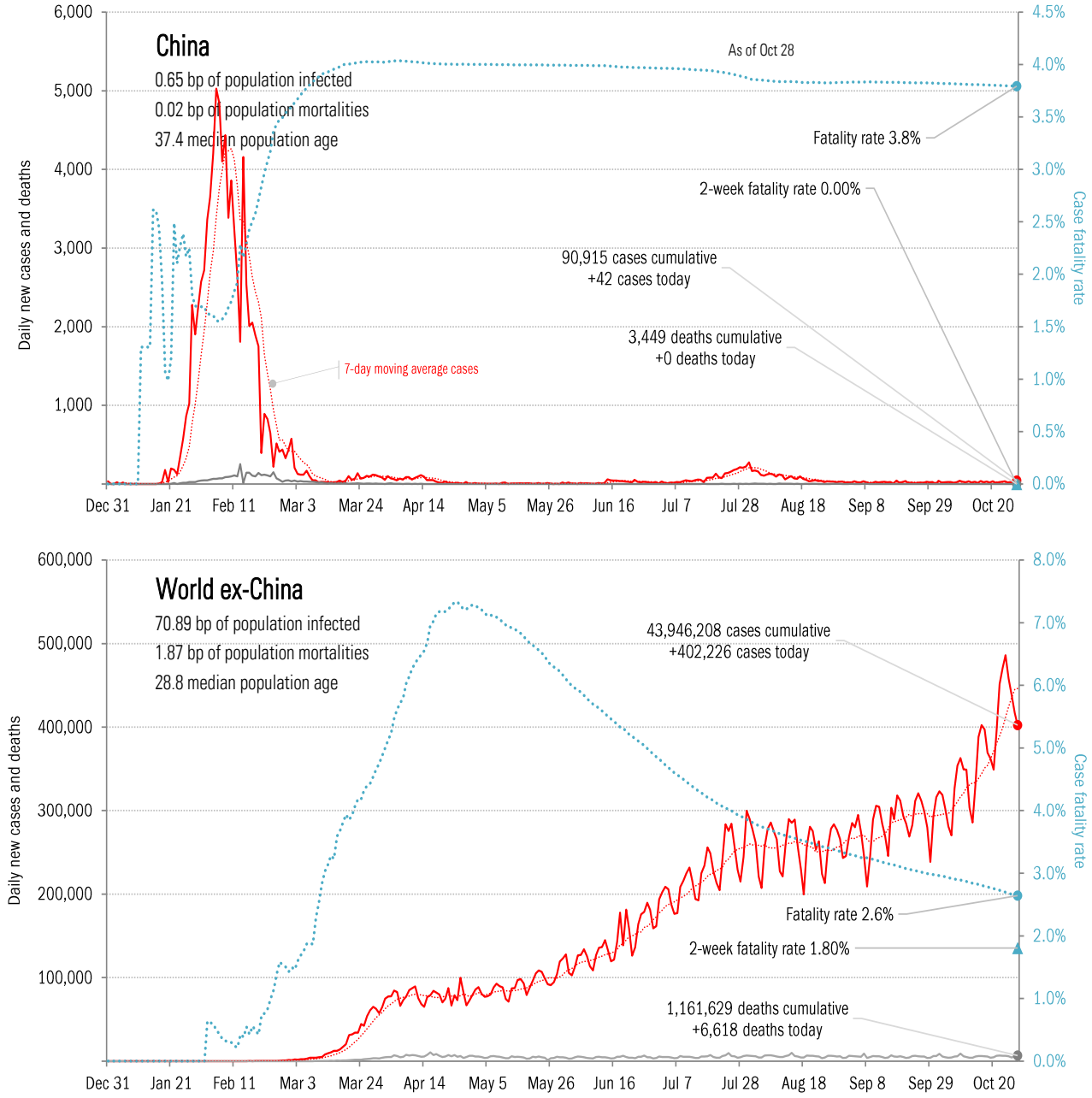
Source: ECDC, TrendMacro calculations

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



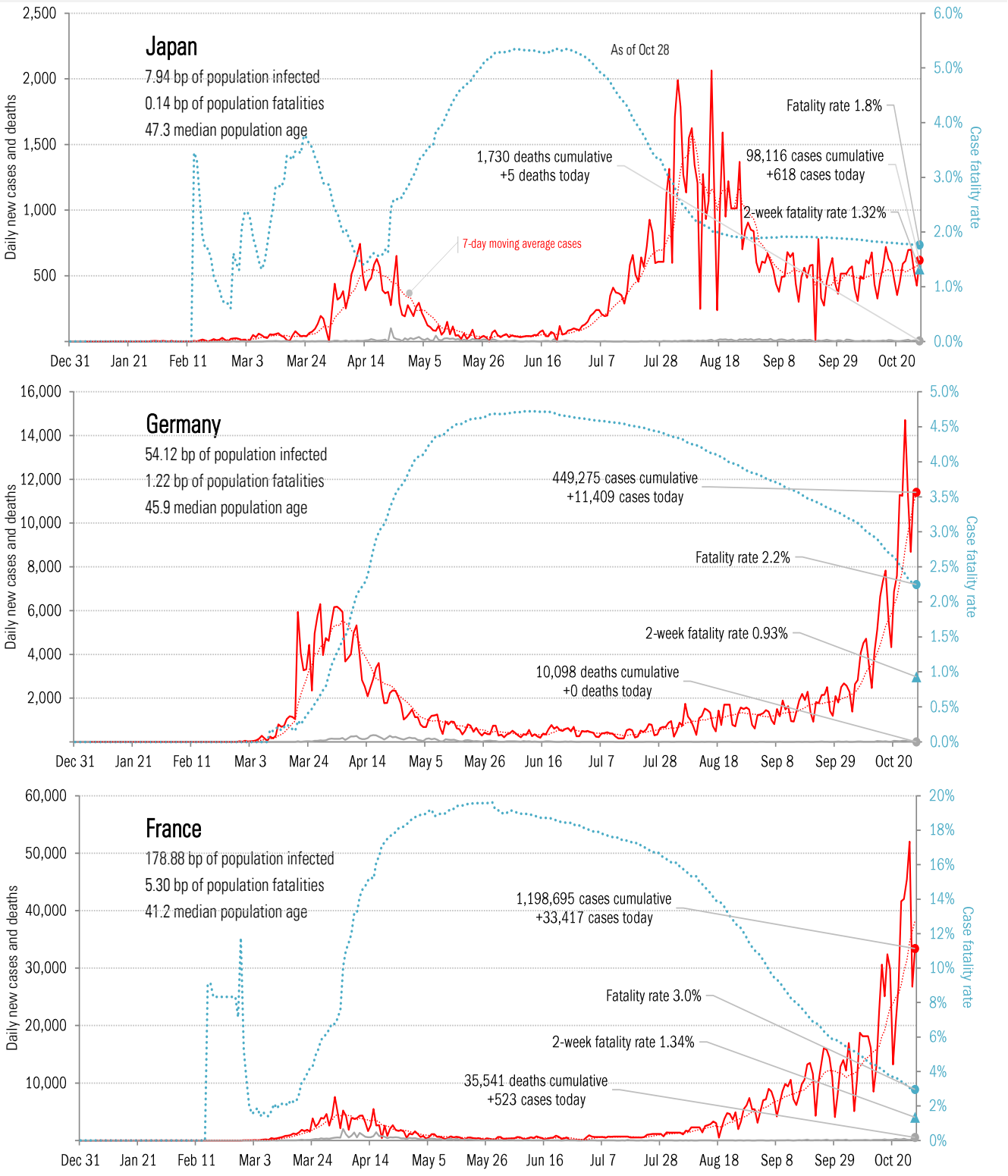
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



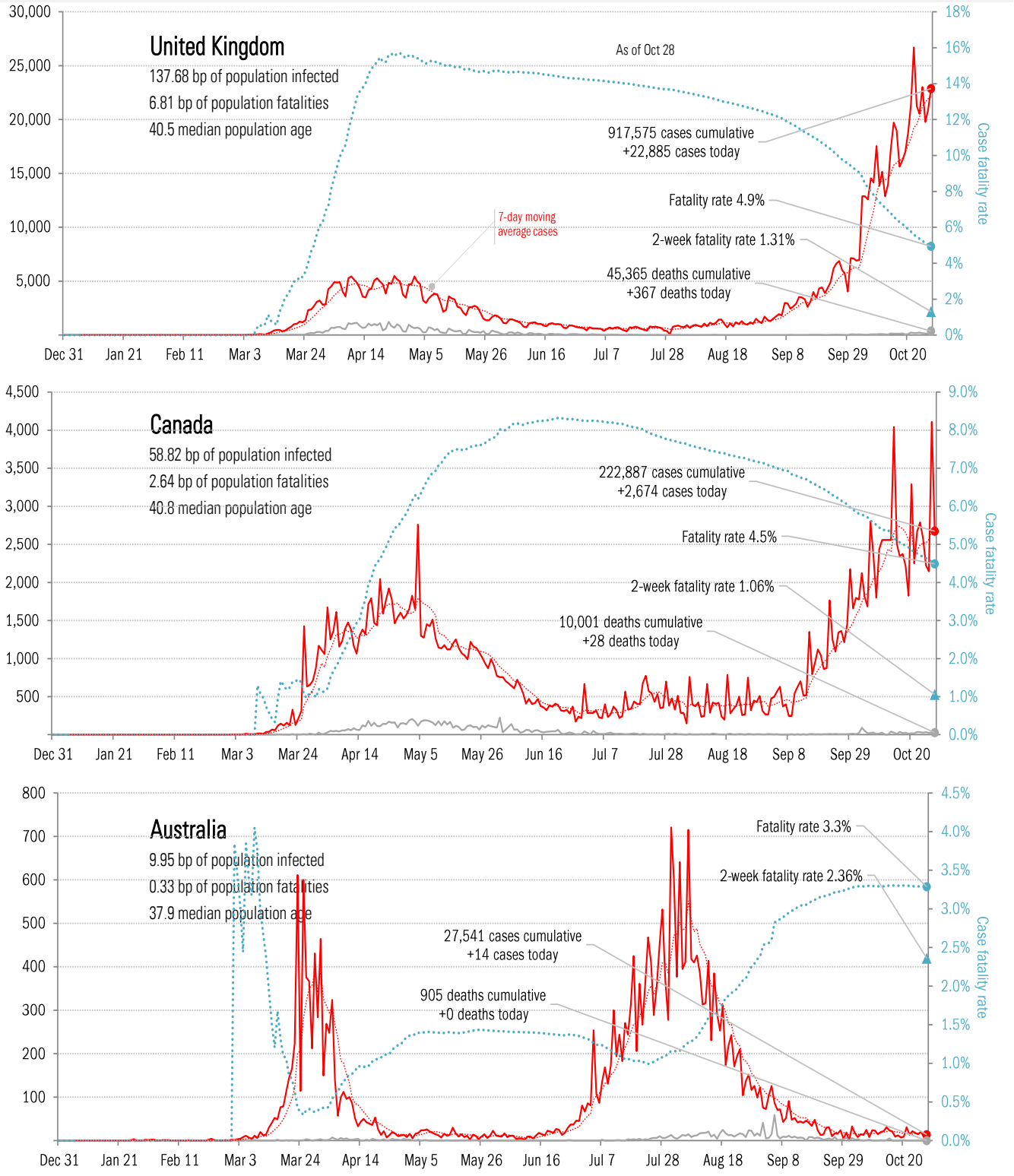
Source: ECDC, TrendMacro calculations

Impact in the largest economies



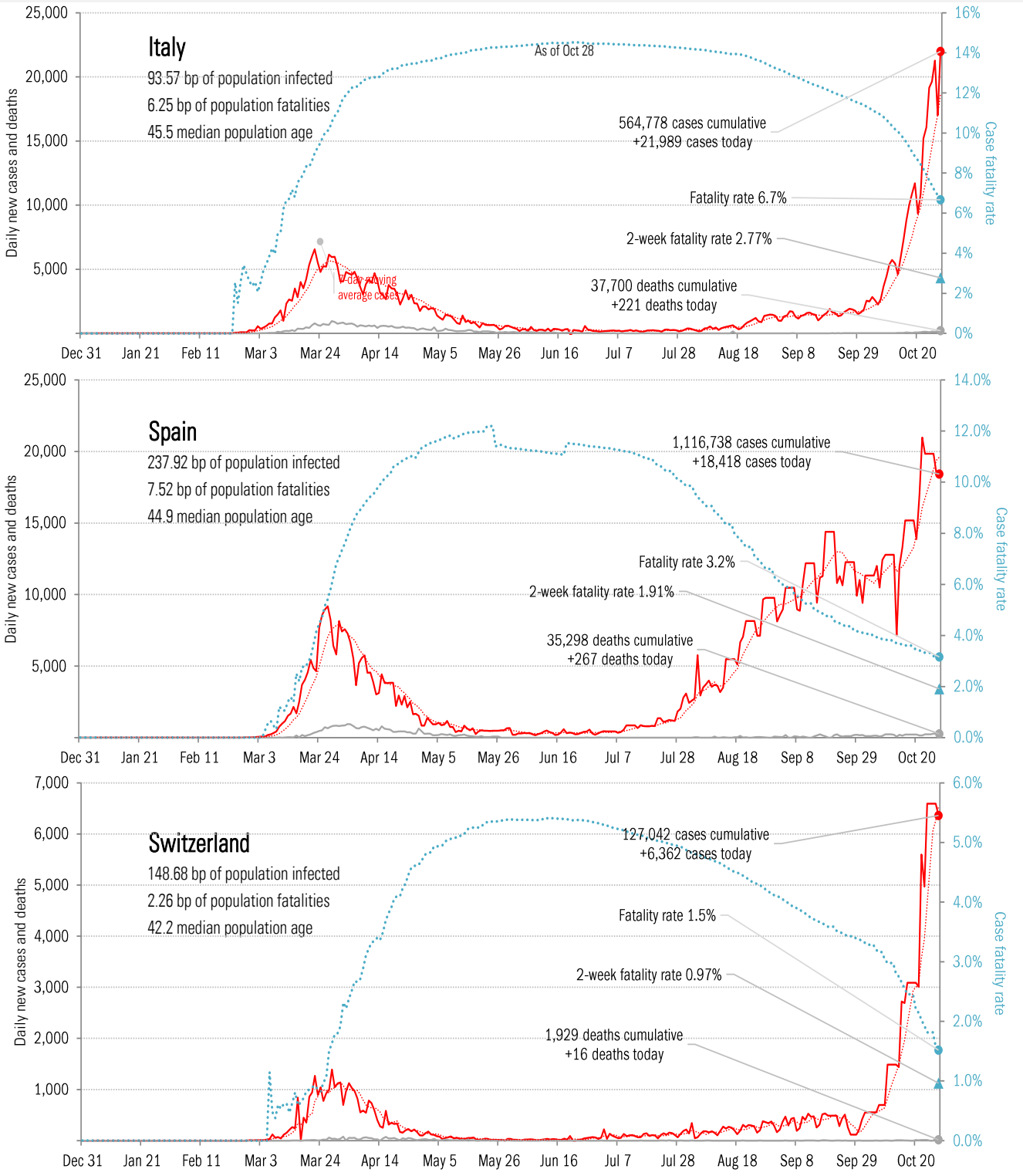
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



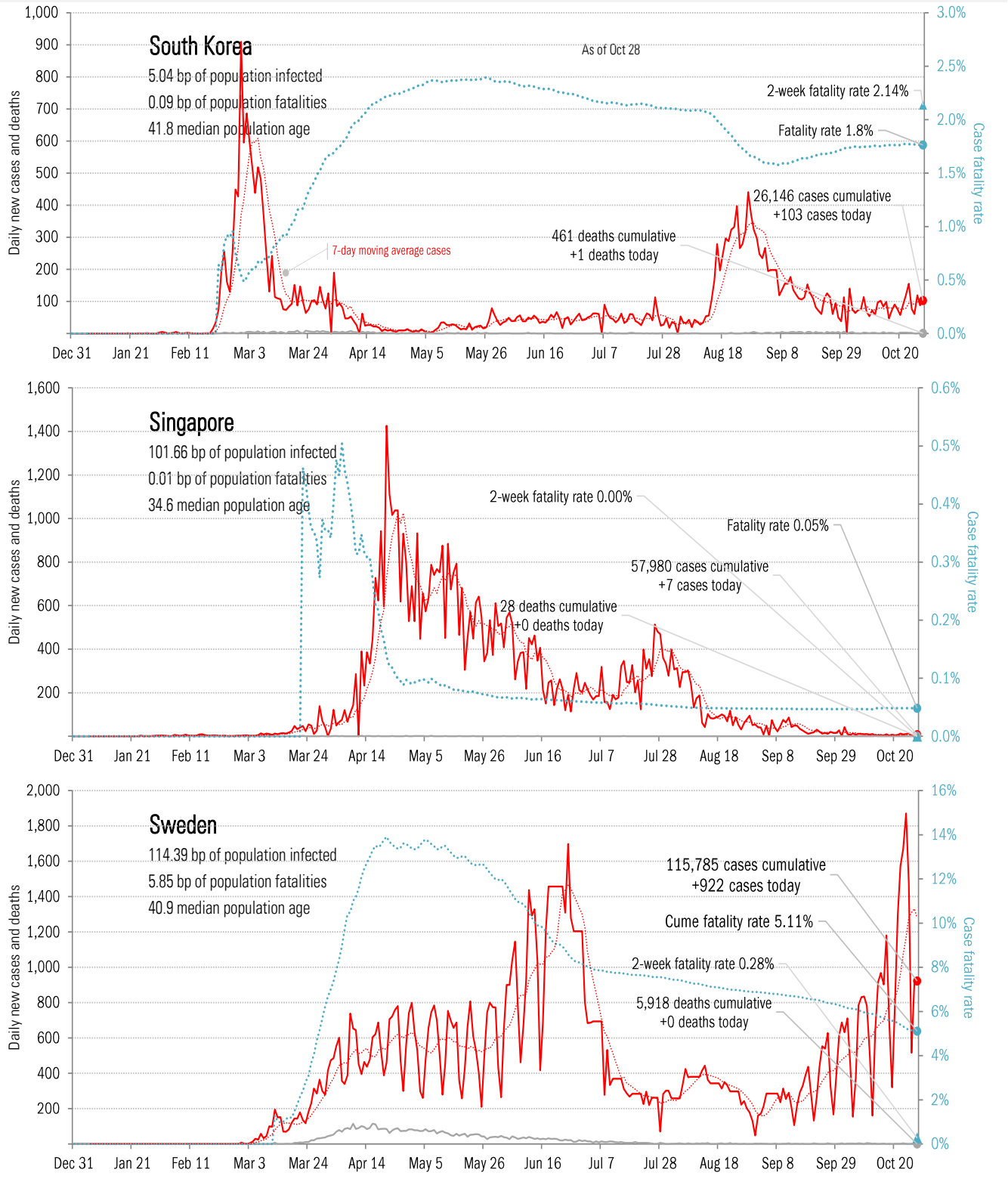
Source: ECDC, TrendMacro calculations

Impact in continental Europe



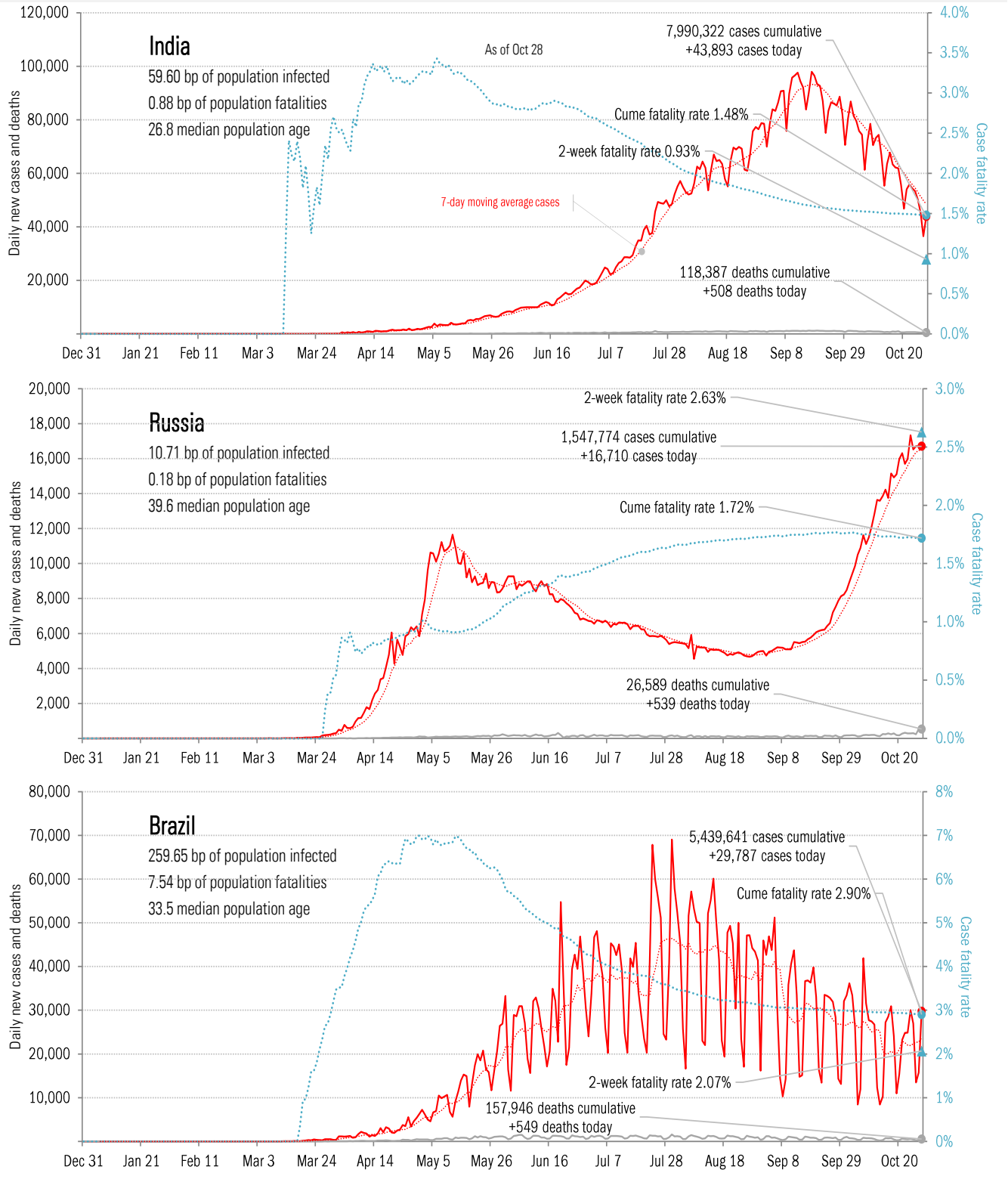
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



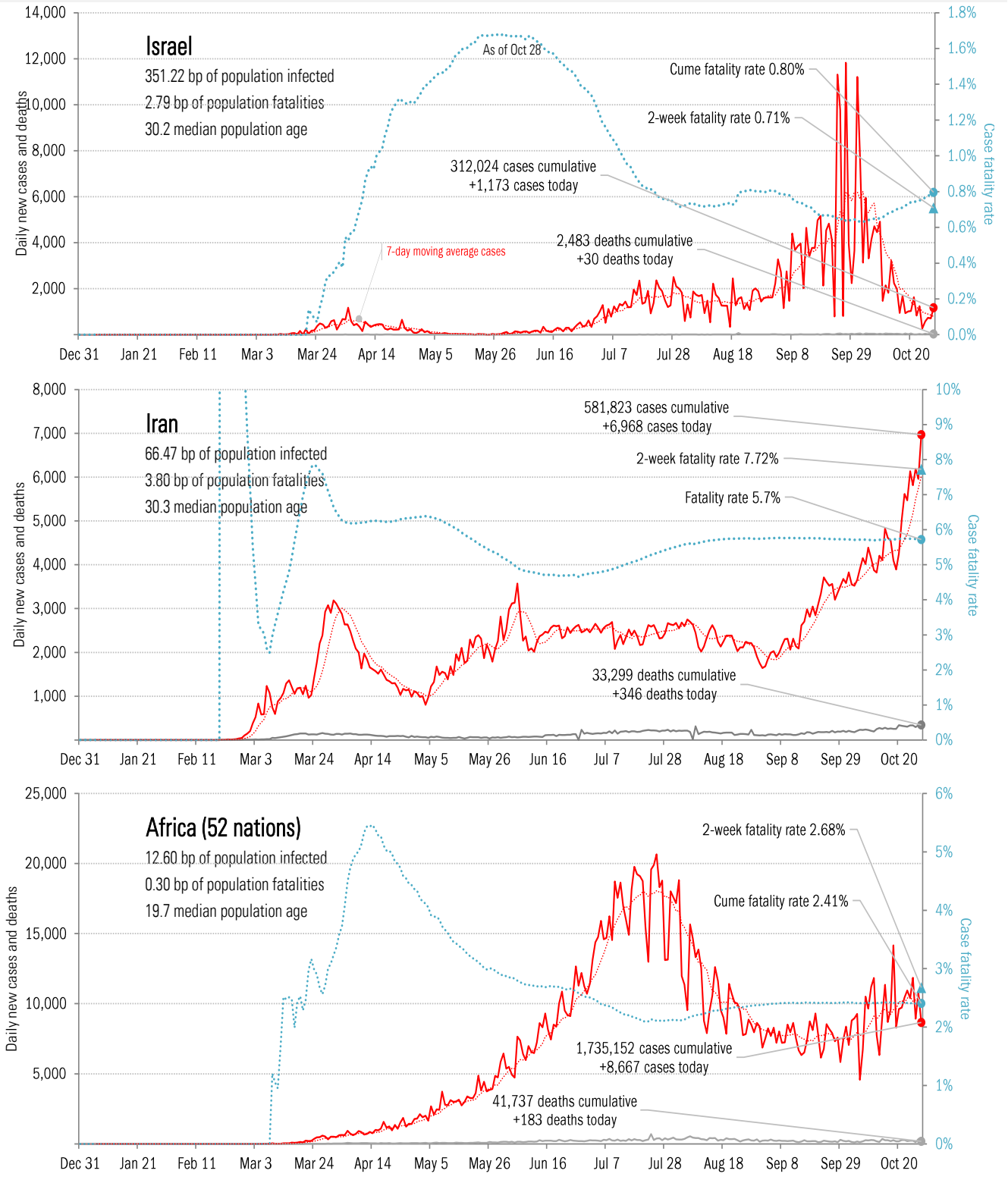
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations