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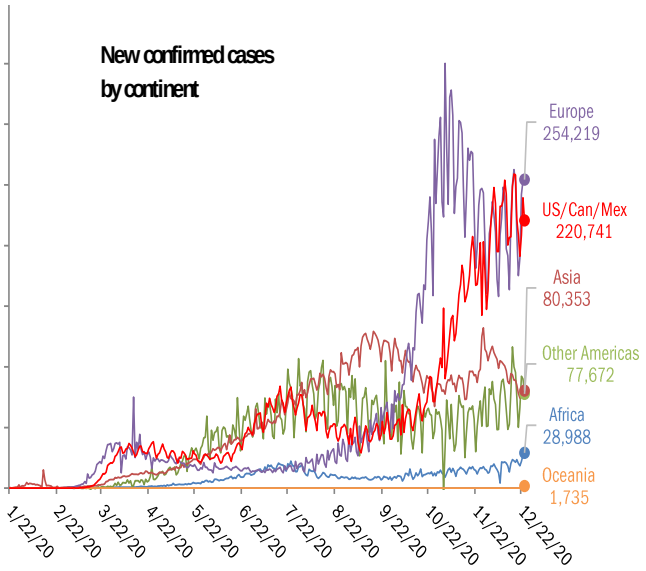
Data Insights: Covid-2019 Monitor

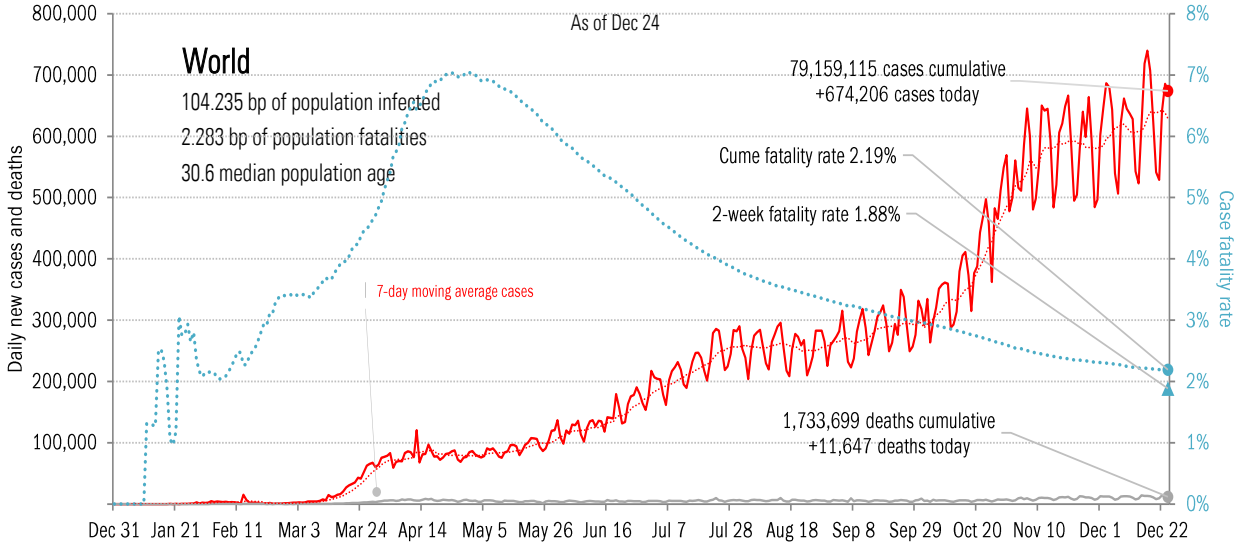
Friday, December 25, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+202,579	United States	+2,938
Brazil	+58,428	Mexico	+861
United Kingdom	+39,148	Brazil	+762
Russia	+29,499	Russia	+624
Germany	+26,467	United Kingdom	+575
India	+23,067	Italy	+505
France	+21,718	Poland	+497
Turkey	+18,102	Germany	+421
Italy	+18,039	India	+336
Colombia	+14,940	South Africa	+326
	+451,987		+7,845
World	+674,206	World	+11,647
Top ten	67%	Top ten	67%





Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

For more information contact us:
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The US scorecard

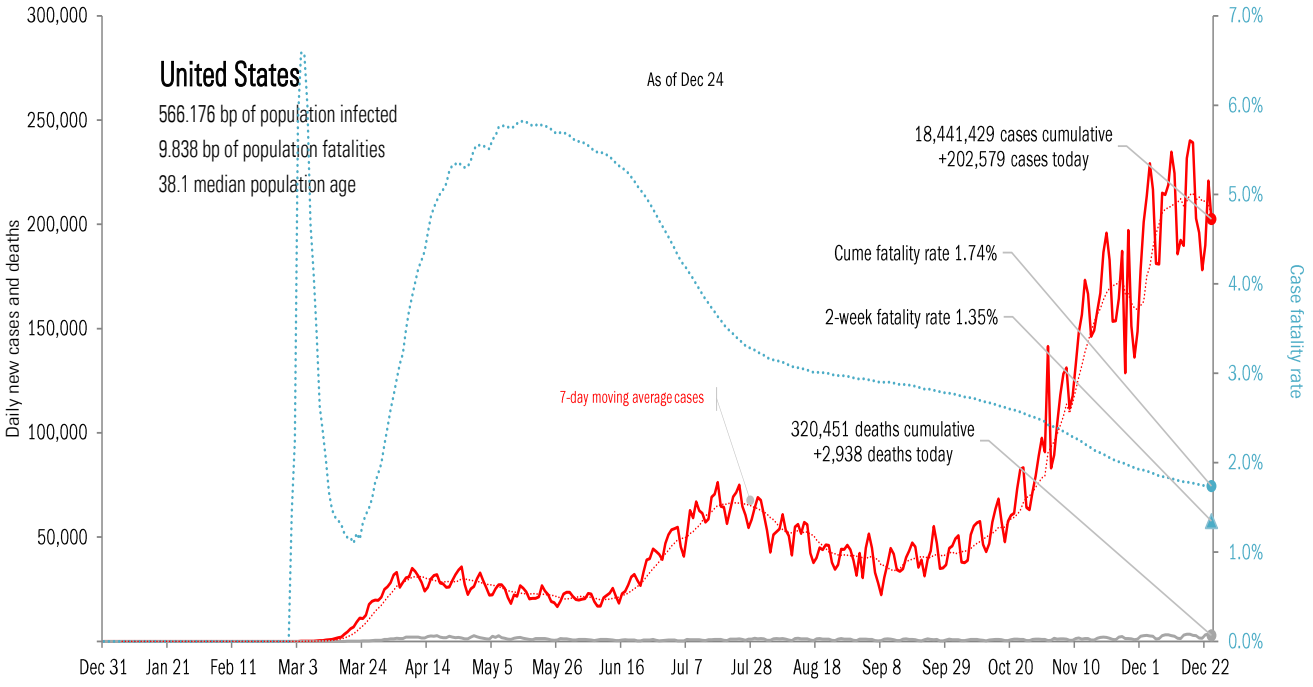
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CA	+39,070	CA	+351	WA	+428	CA	2,003,146	NY	29,149	NY	89,995	RI	90%	NM	94%
TX	+17,064	TX	+308	CA	+410	TX	1,653,522	TX	26,208	FL	61,922	MD	82%	RI	93%
FL	+12,770	PA	+276	TX	+150	FL	1,226,530	CA	23,635	NJ	46,038	GA	81%	AL	91%
NY	+12,568	NY	+133	OK	+108	IL	925,107	FL	21,295	GA	40,539	DC	79%	GA	88%
PA	+9,230	FL	+122	SC	+95	NY	891,270	NJ	18,544	OH	36,345	NV	79%	OK	87%
OH	+8,828	IL	+118	ID	+88	OH	653,650	IL	16,960	AZ	34,520	SC	79%	NV	87%
GA	+7,899	AZ	+115	GA	+83	PA	590,386	PA	14,718	IN	33,465	FL	77%	TN	86%
AZ	+7,046	OH	+95	NY	+64	TN	546,497	MI	12,415	AL	31,954	CA	77%	MS	85%
IL	+7,037	AL	+89	AZ	+58	GA	531,954	MA	11,963	MD	25,072	AZ	77%	CA	85%
IN	+6,196	CO	+88	CT	+45	MI	508,449	GA	10,582	MN	21,105	NC	76%	TX	84%
	+127,708		+1,695		+1,529		9,530,511		185,469		420,955				
All states	+202,579		+2,938		+688	All states	18,441,429		320,451		660,674	All states	71%		76%
Top ten	63%		58%		222%	Top ten	52%		58%		64%	Median	68%		74%

Some states not reporting

Five most improved US states

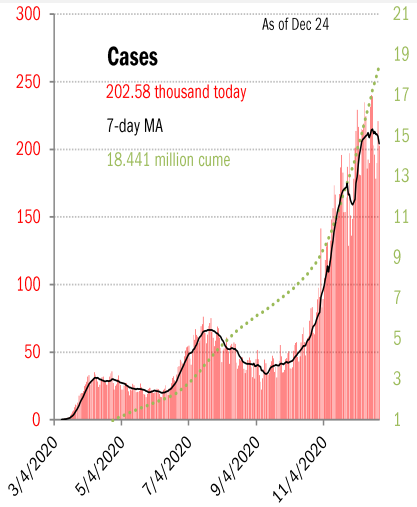
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-6,299	MI	-73	VA	-429	MA	+23,067
NC	-5,609	NC	-69	KS	-384	TX	+15,124
KS	-5,089	NJ	-62	IN	-169	PA	+11,627
MI	-3,820	TN	-60	NJ	-145	OH	+10,421
KY	-2,936	KS	-59	NY	-139	TN	+7,108

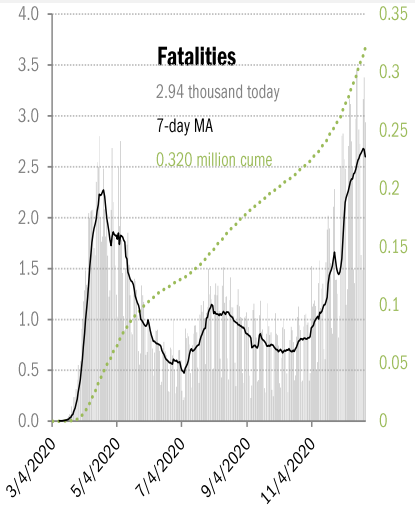


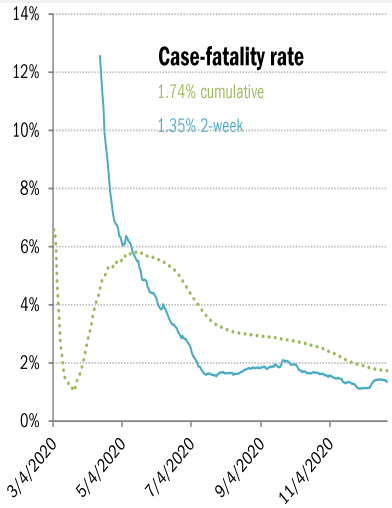
Source: Covid Tracking Project, Dept. of Health and Human Services, TrendMacro calculations

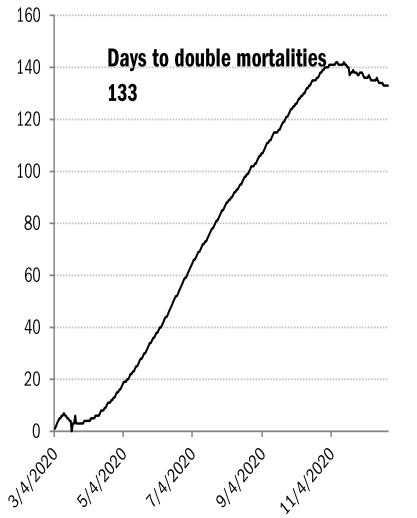
US deep-dive

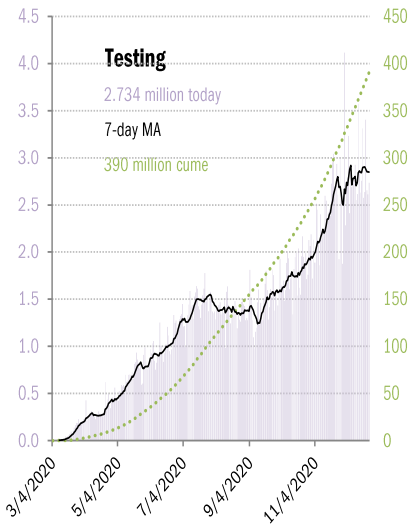
National and state-by-state data do not line up because of different sources

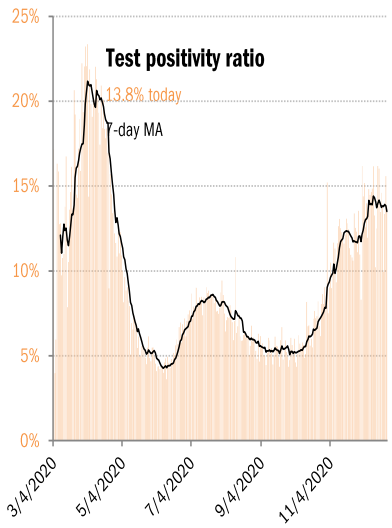


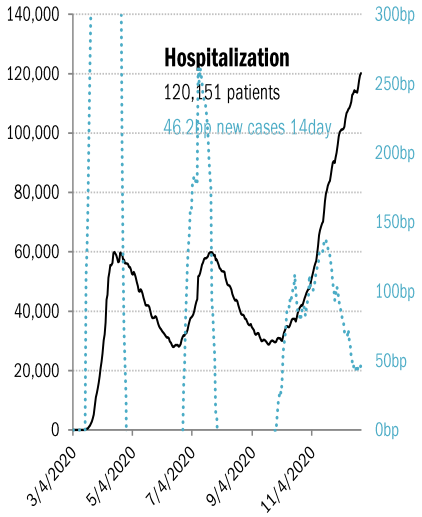


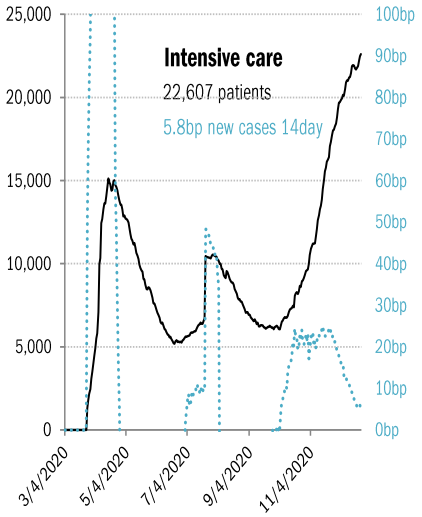


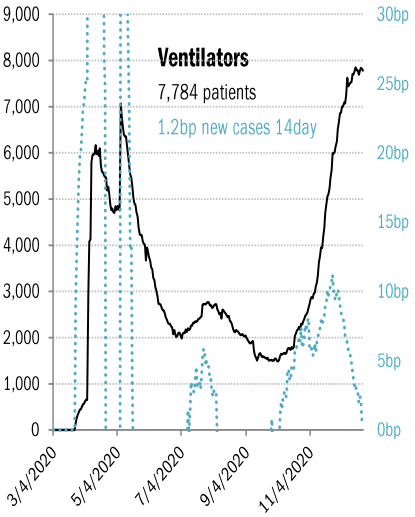






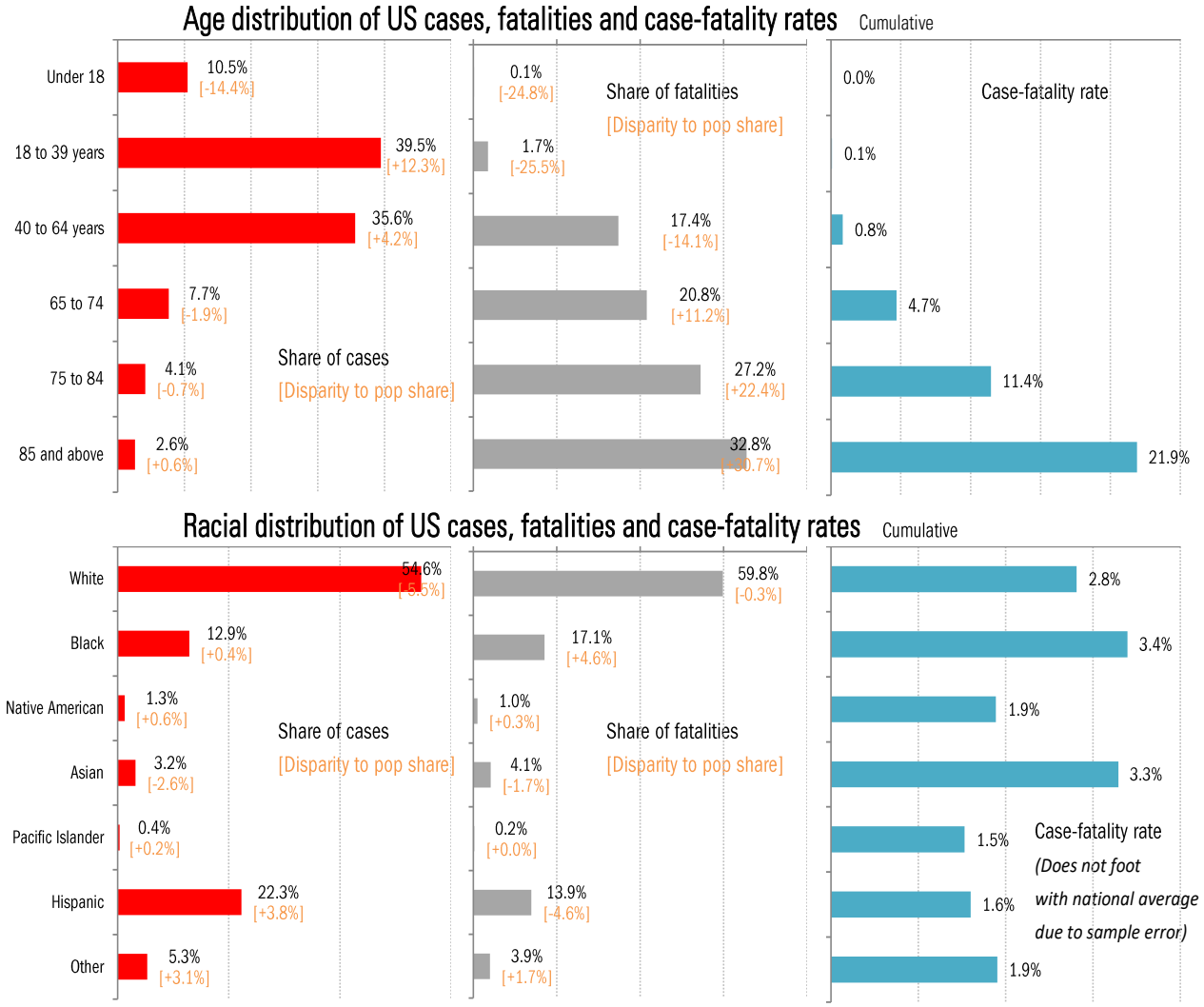




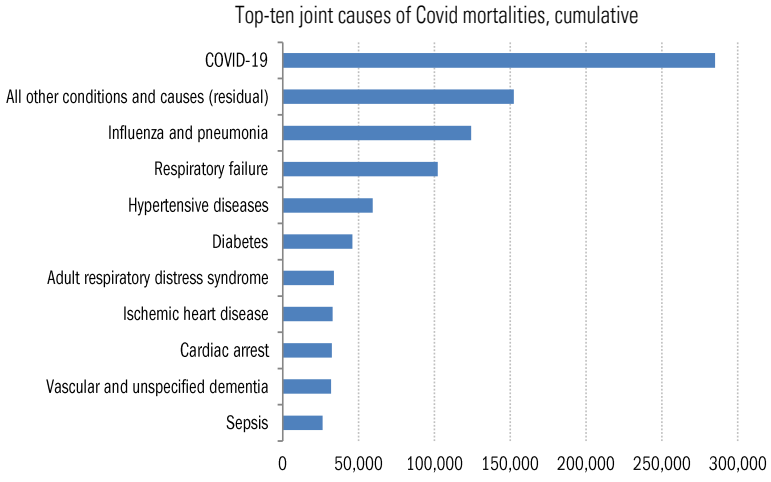


Source: Covid Tracking Project, TrendMacro calculations

US deep-dive on the demographics of age, race and health



Comorbidites



For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 2.9 additional conditions or causes per death.

Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

WHO Deletes Naturally Acquired Immunity from Its Website
Jeffrey A. Tucker
American Institute for Economic Research
December 23, 2020

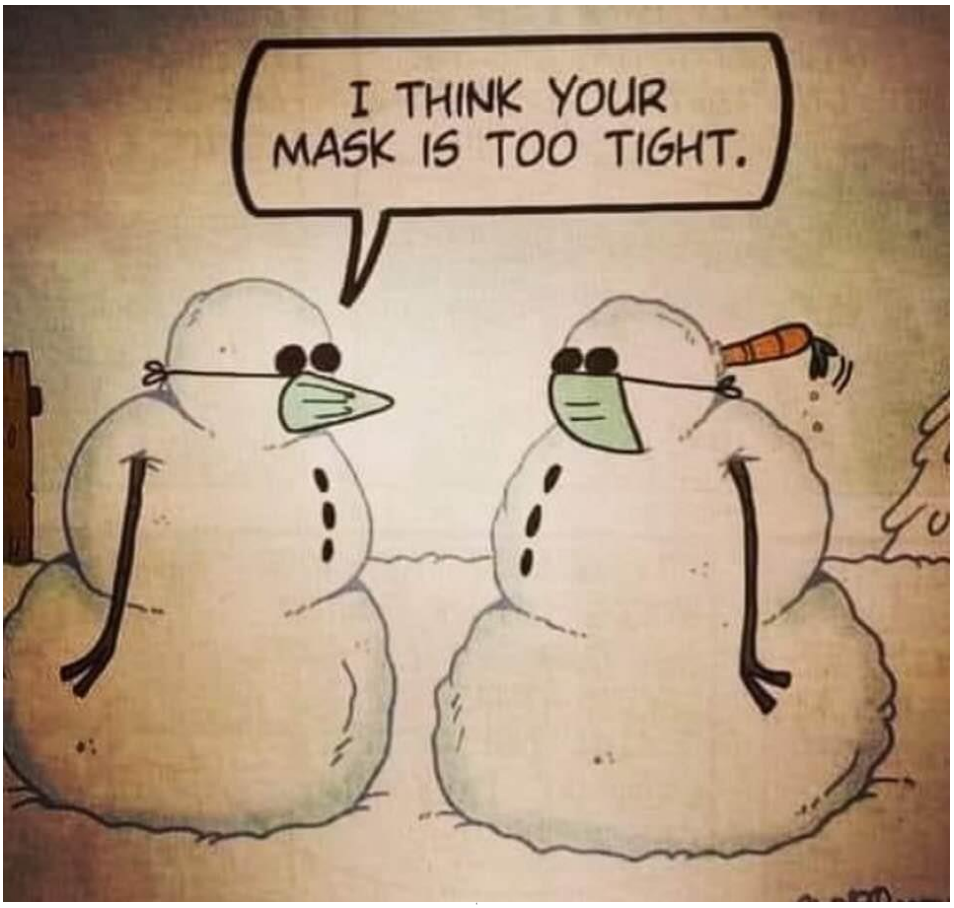
How the Centers for Disease Control Went Woke
Aaron Sibarium
Washington Free Beacon
December 22, 2020

Poultry Farms in Apartment 13D Show Scale of Pandemic-Aid Fraud
Zachary Mider
Bloomberg
December 24, 2020

COVID Hypocrisy: Policymakers Breaking Their Own Rules
Heritage Foundation
December 22, 2020

Masks block 99.9% of large Covid-linked droplets: study
Marlowe Hood
AFP
December 23, 2020

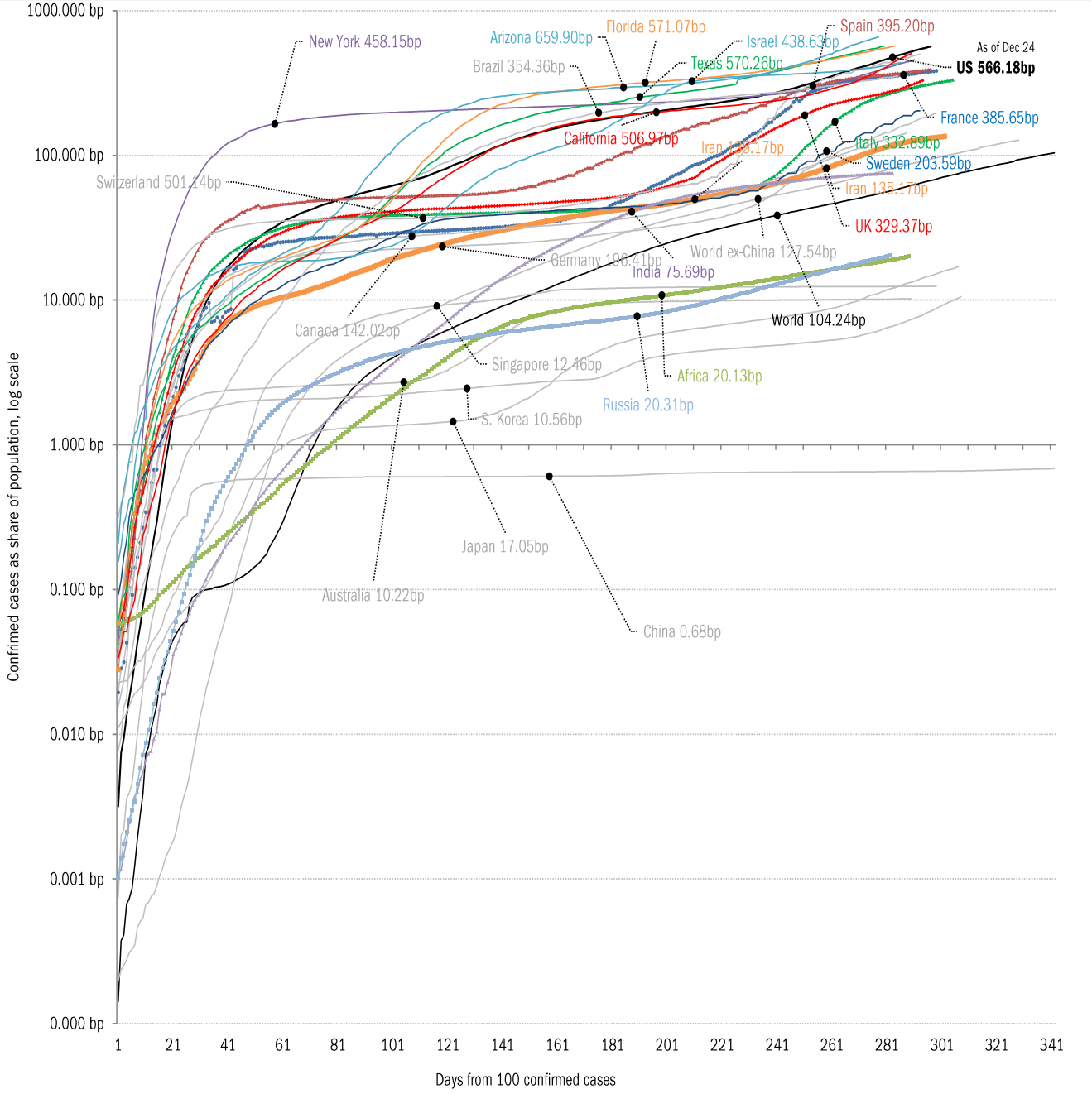
Meme of day



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

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

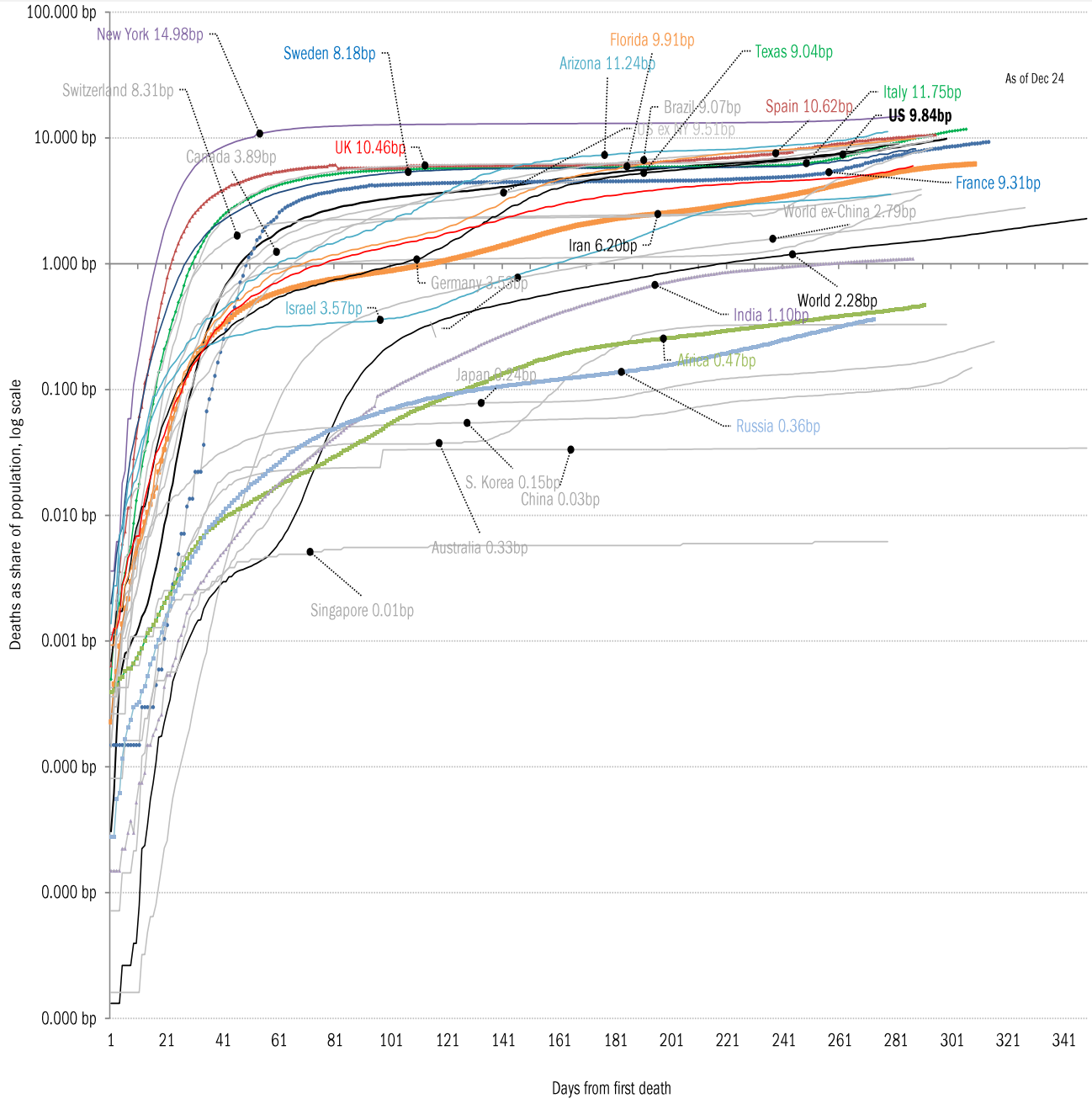
Share of infected population from first day with 100 confirmed cases, log scale



Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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

Share of deceased population from day of first fatality

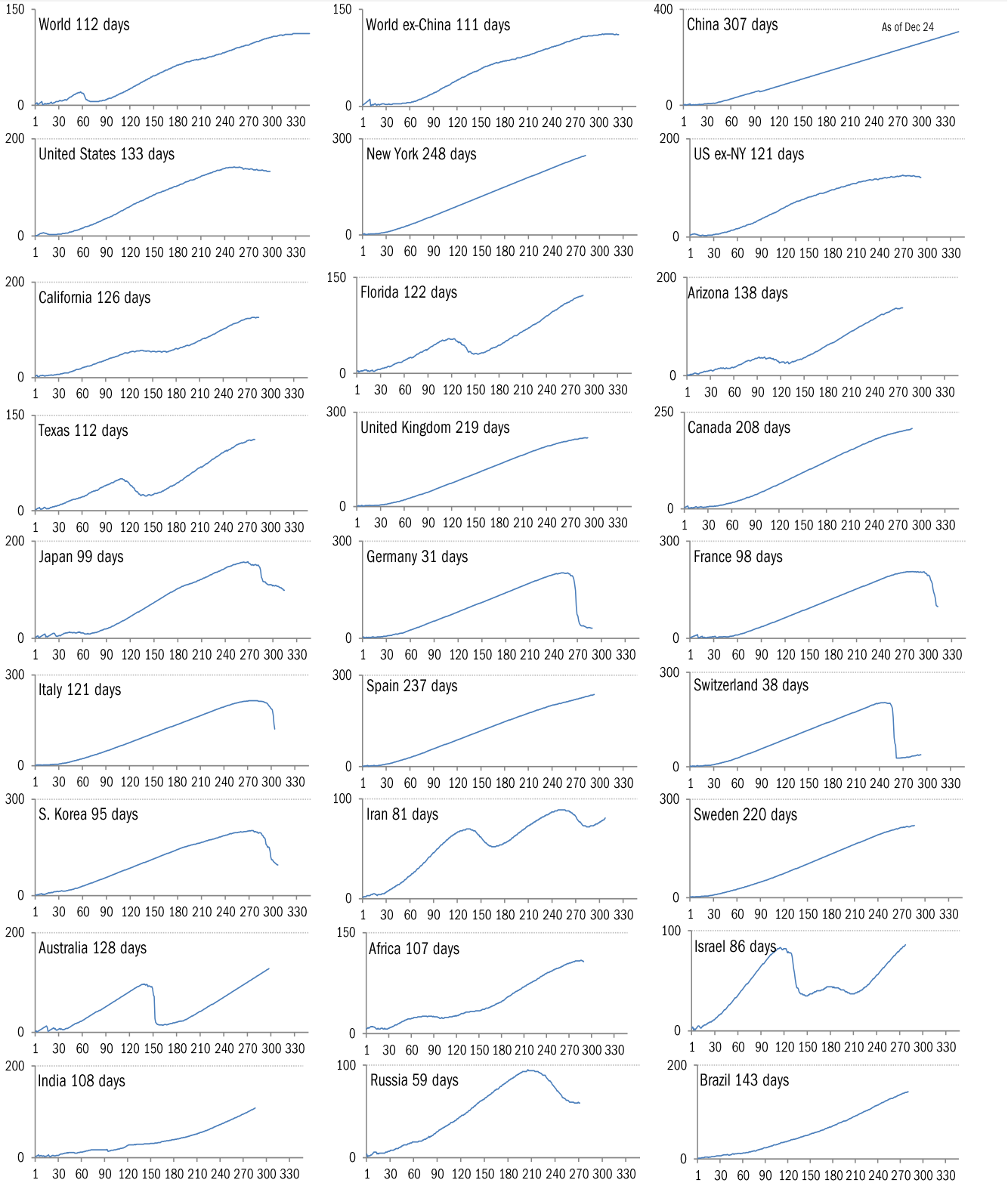


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread 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

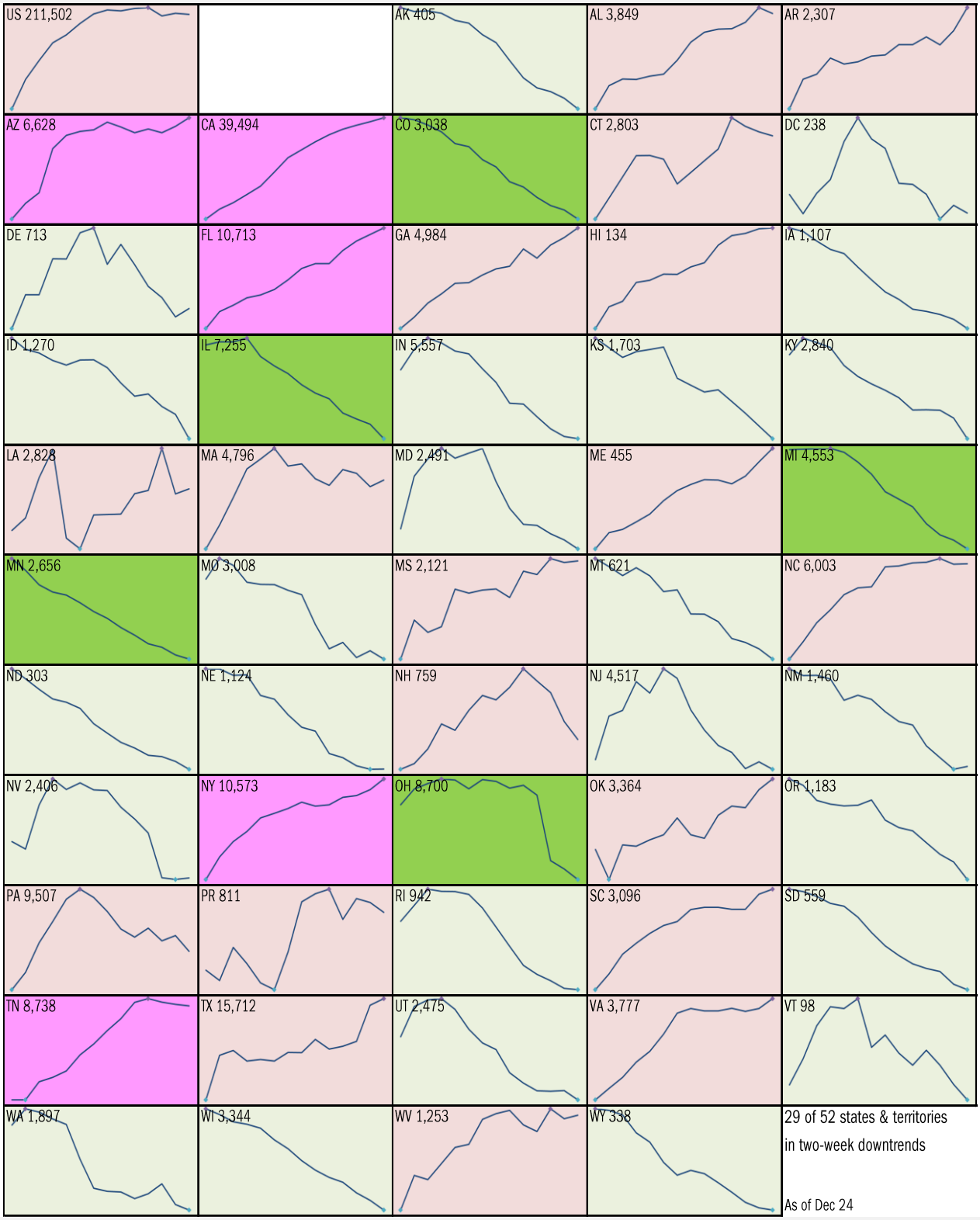


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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

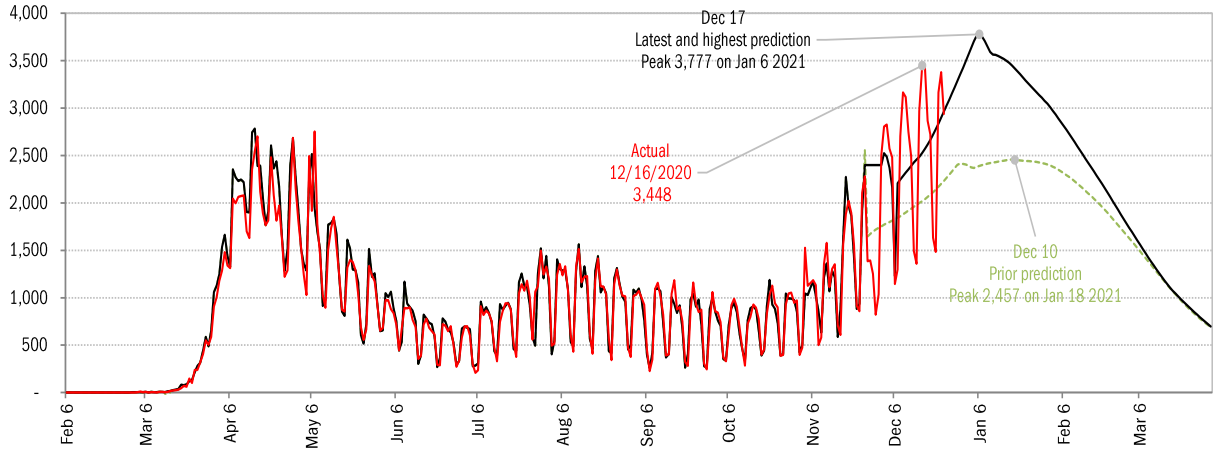
Downward trajectory Five best Upward trajectory Five worst

Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

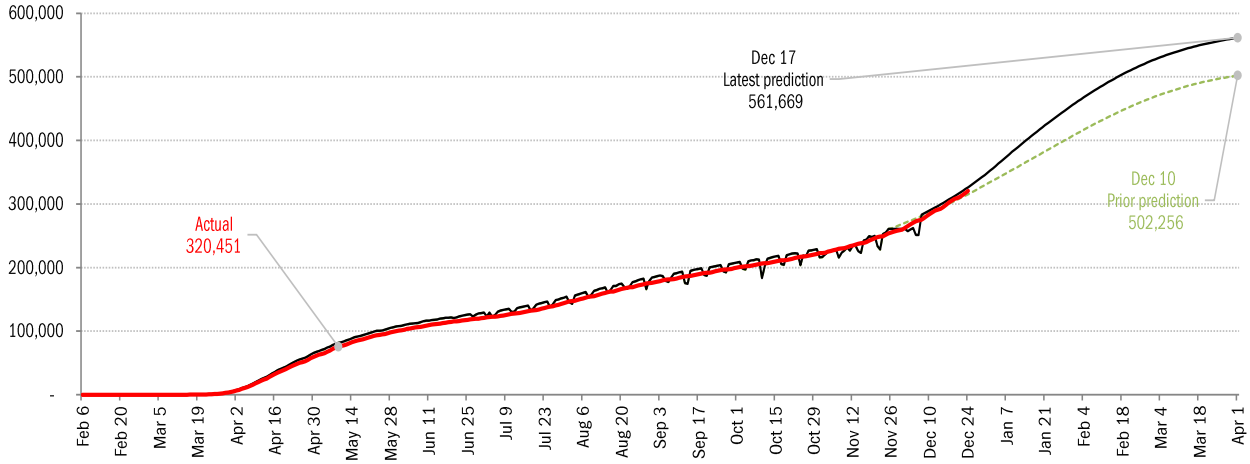
New daily fatalities As of Dec 24

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

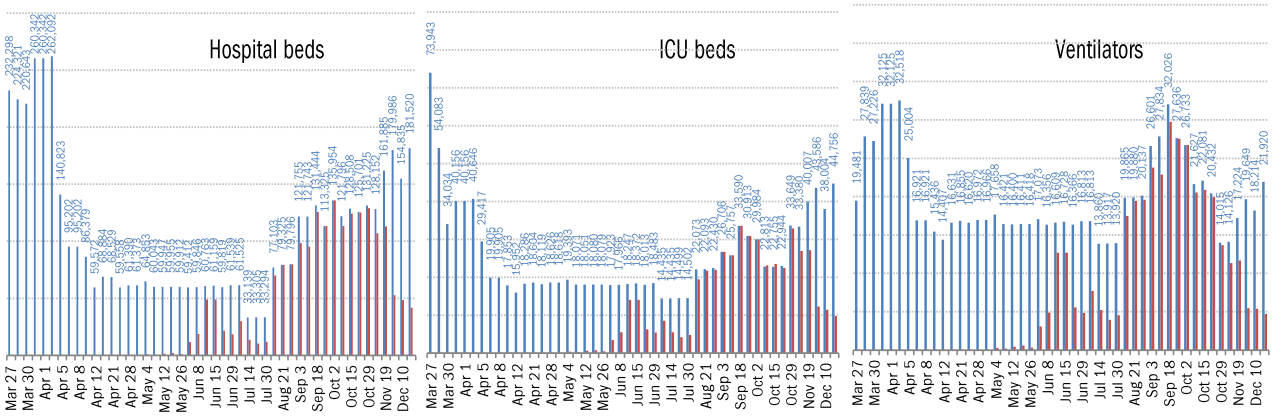


Cumulative fatalities

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

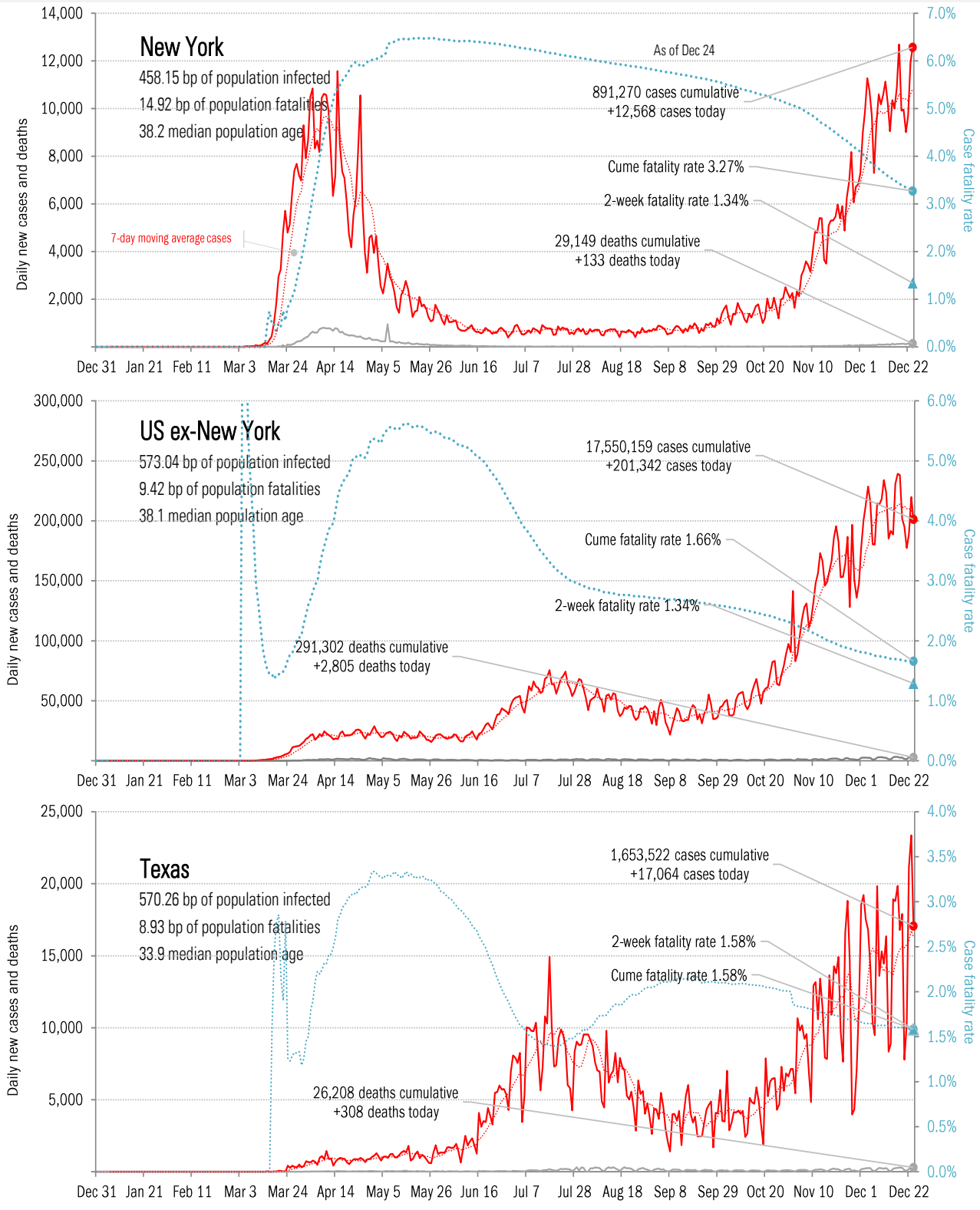


Healthcare system stress, peak and ultimate estimated at each model revision



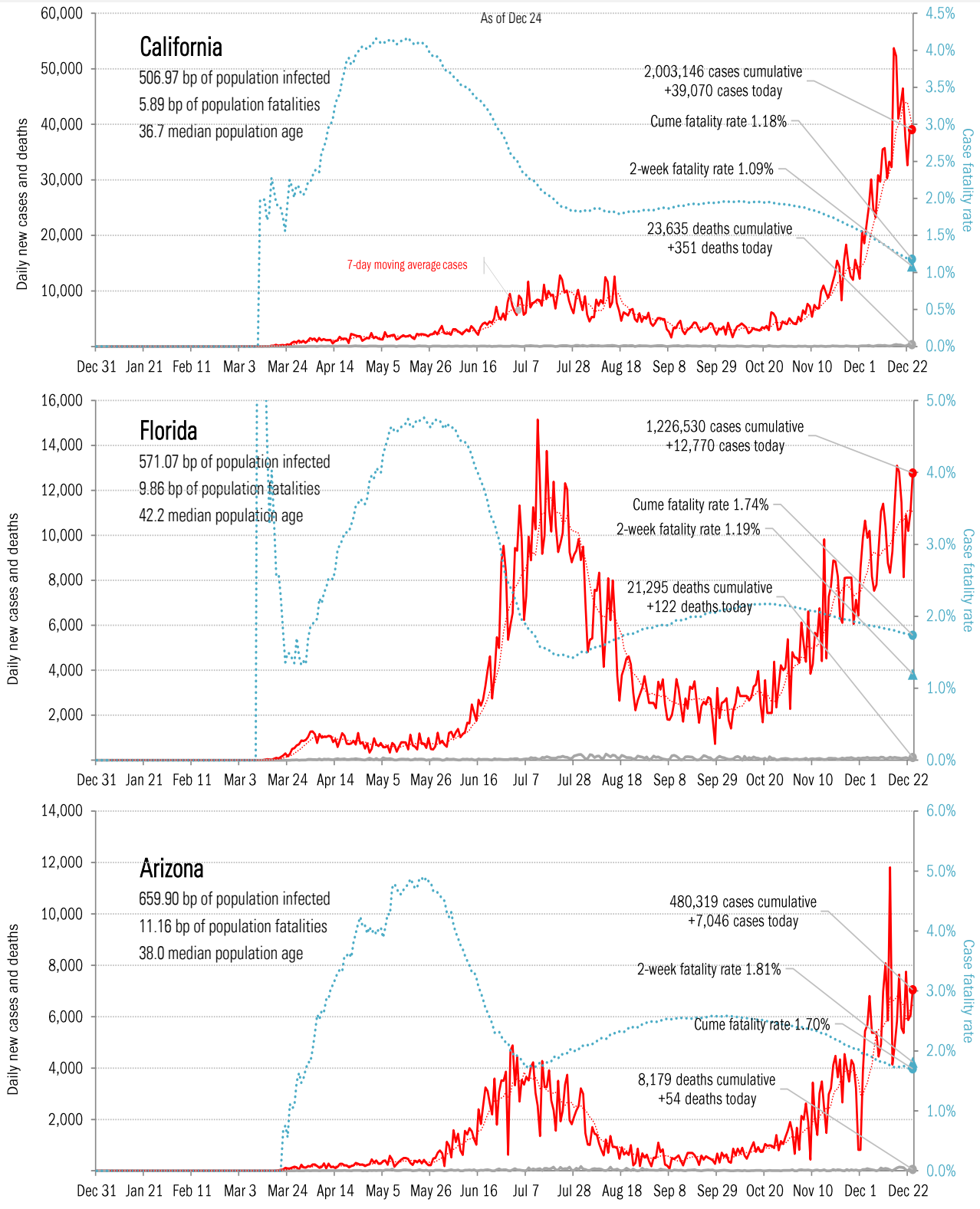
Source: IHME, Covid Tracking Project, TrendMacro calculations

From Ground Zero to the Rio Grande



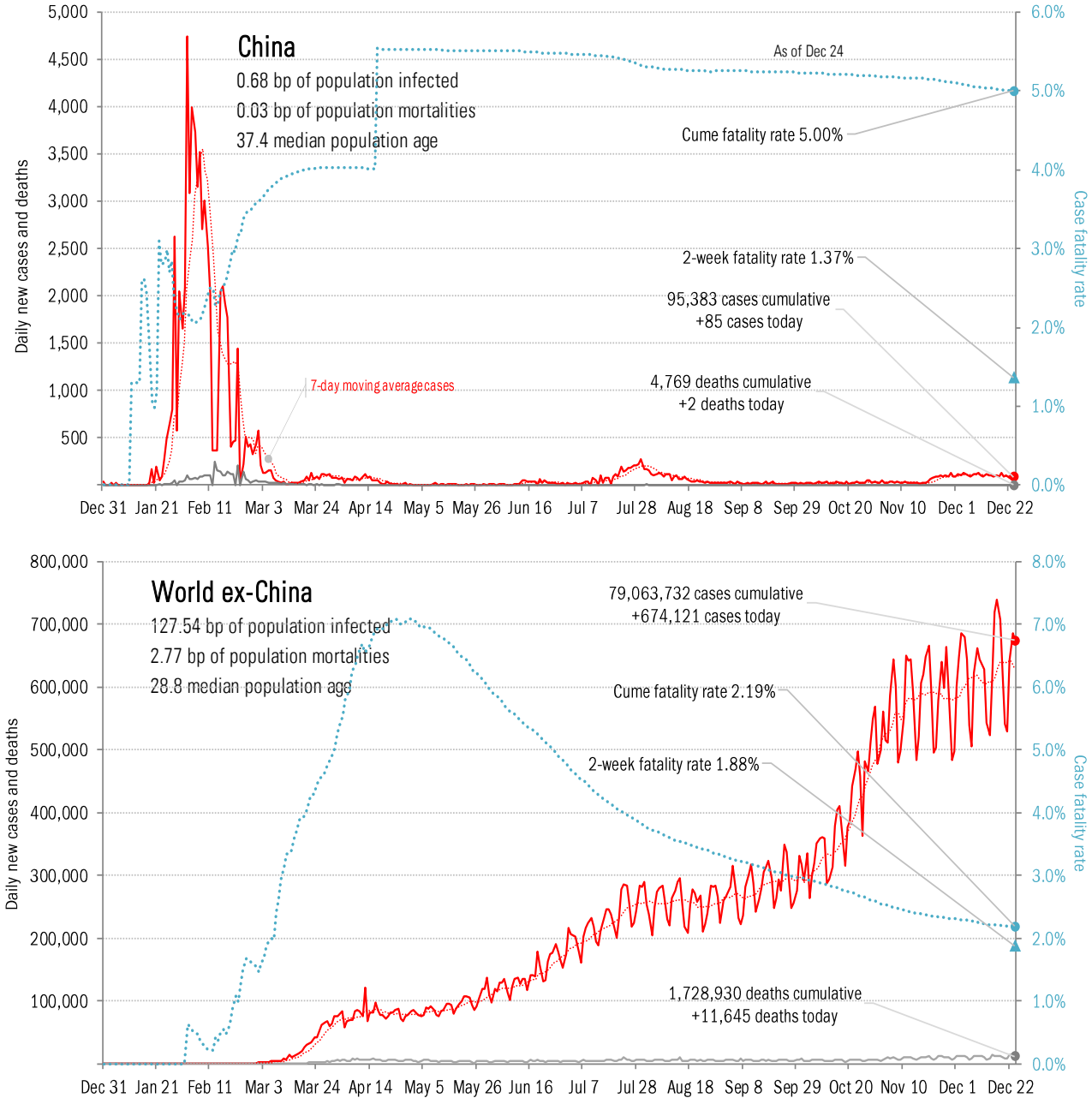
Source: Covid Tracking Project,, TrendMacro calculations

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



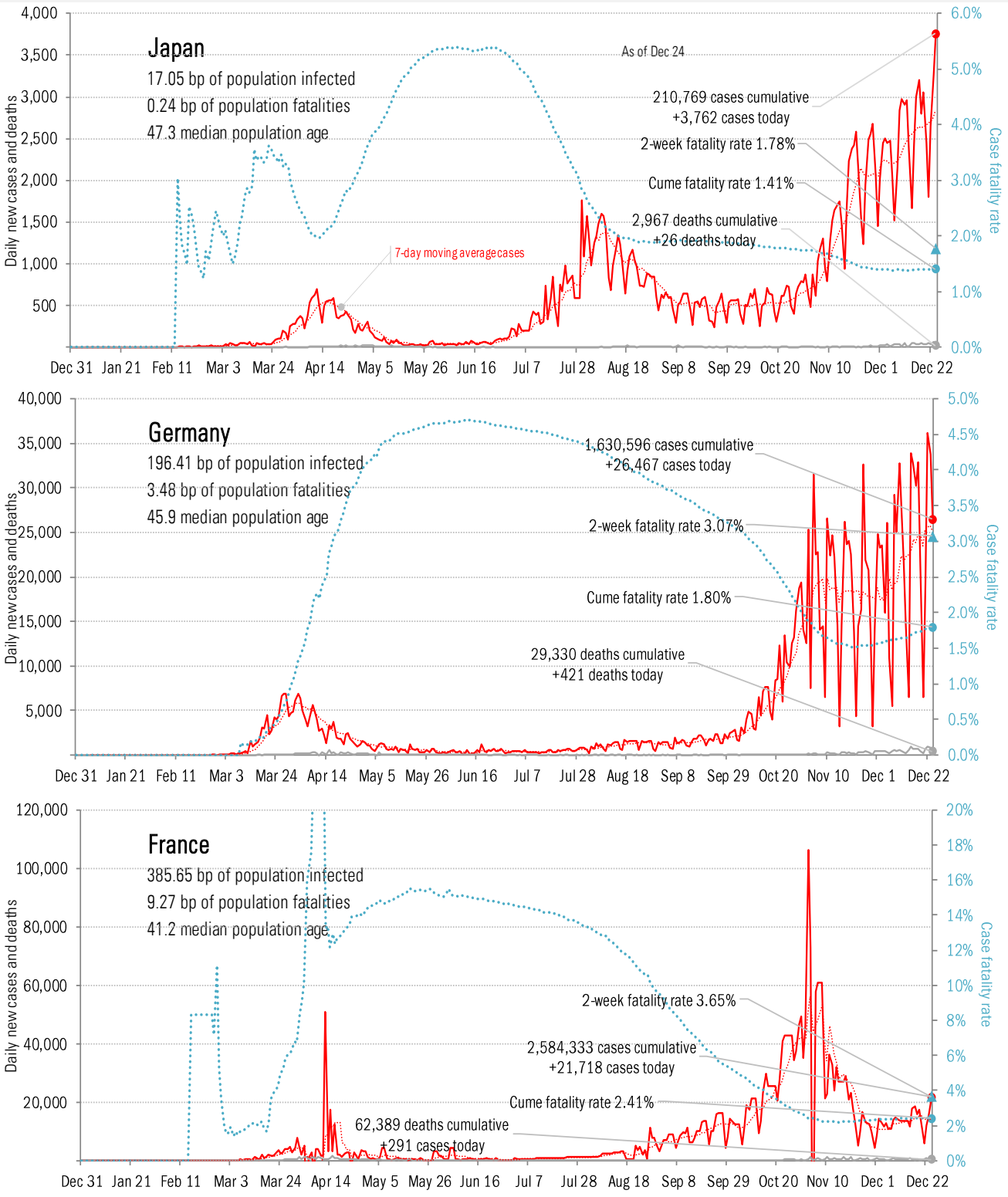
Source: Covid Tracking Project,, TrendMacro calculations

Patient zero… and then everyone else



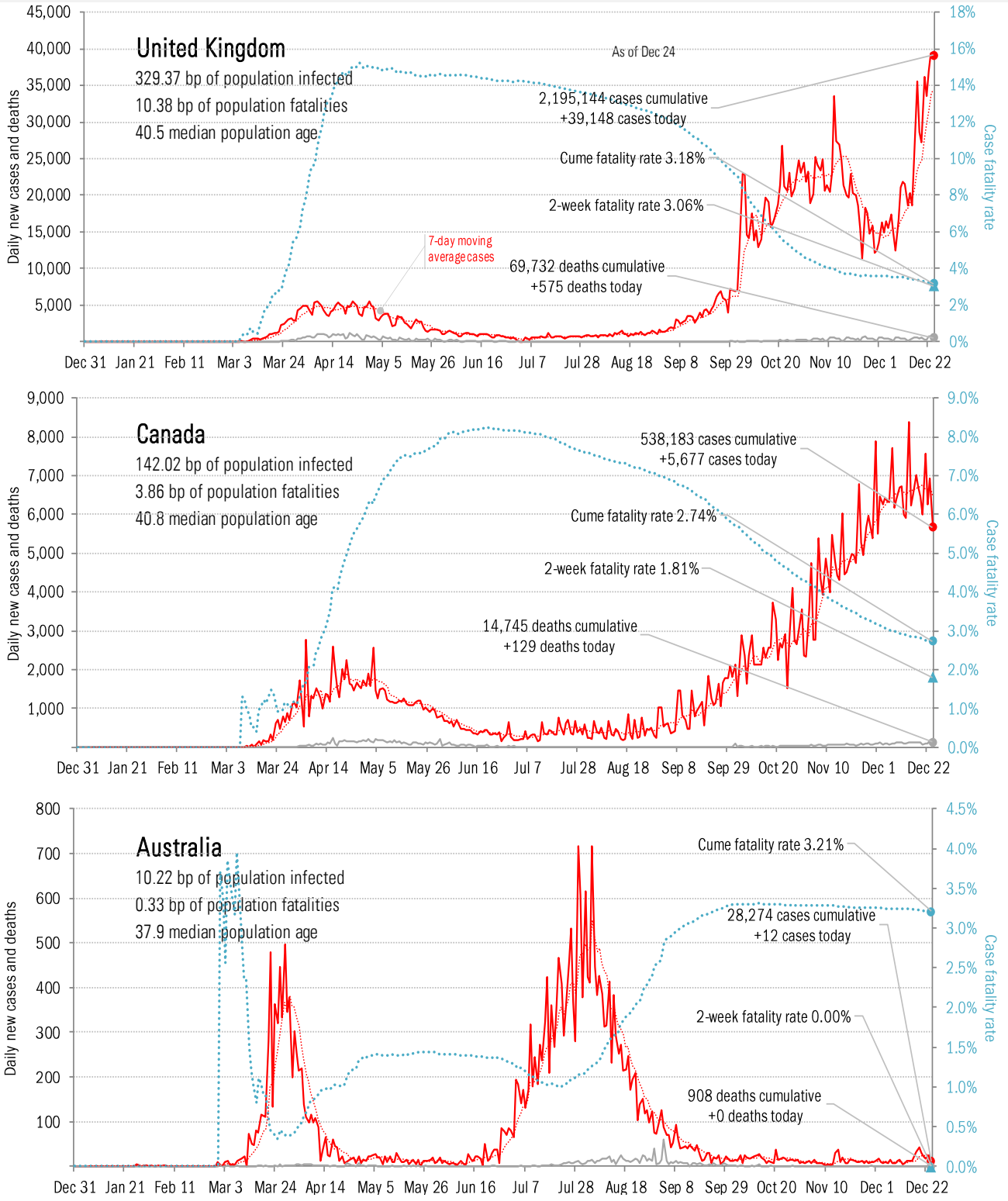
Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

Impact in the largest economies



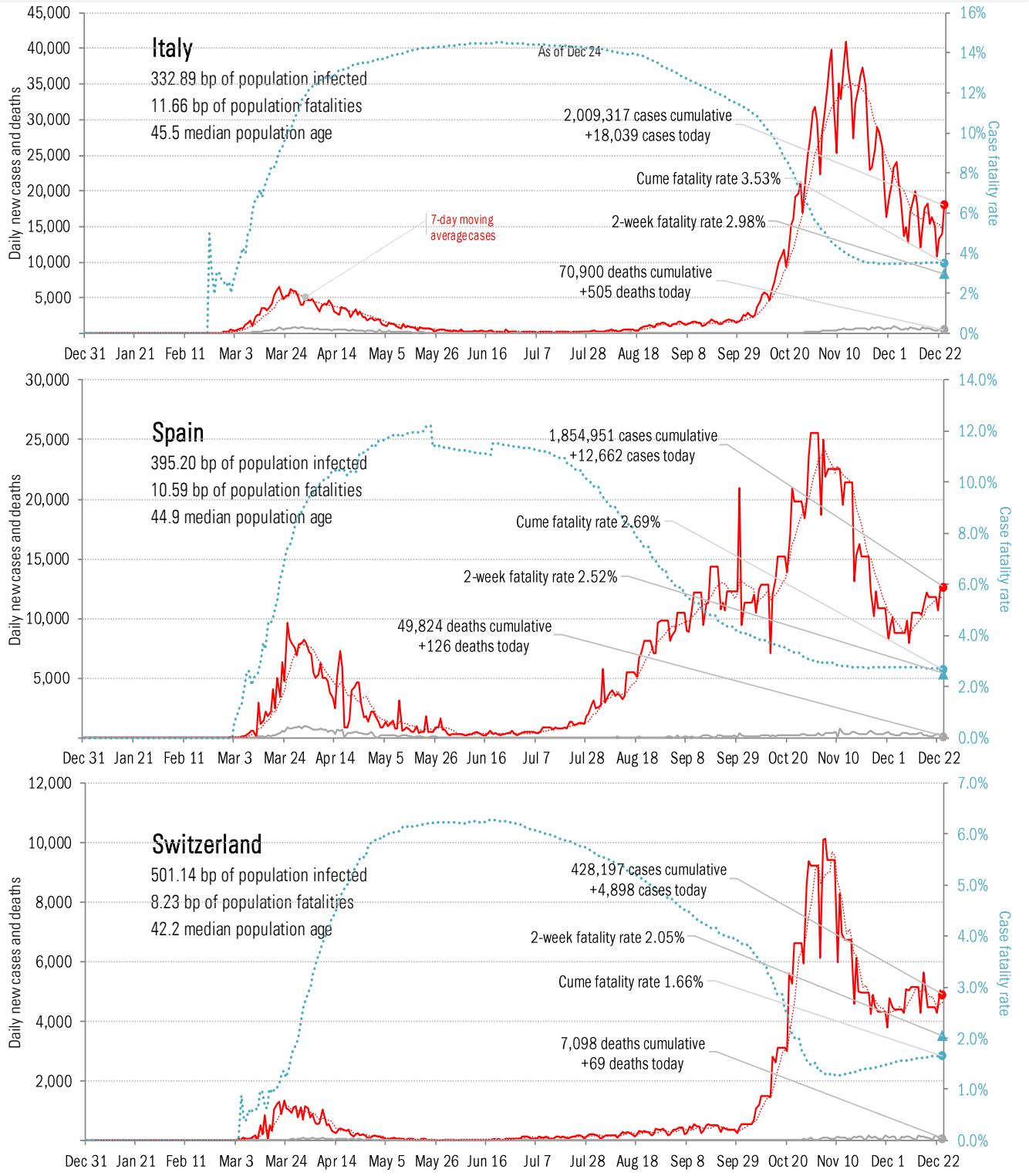
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere



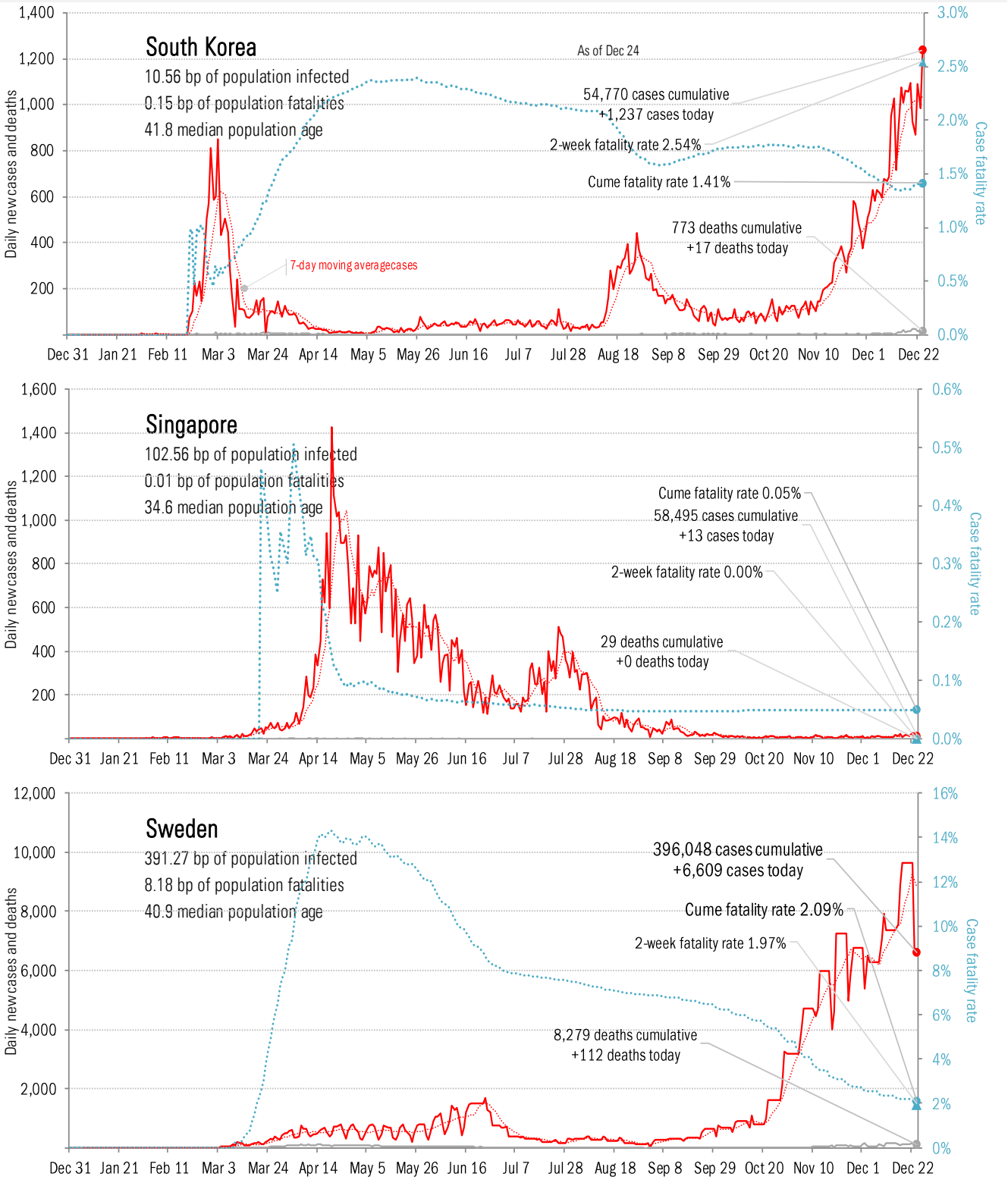
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



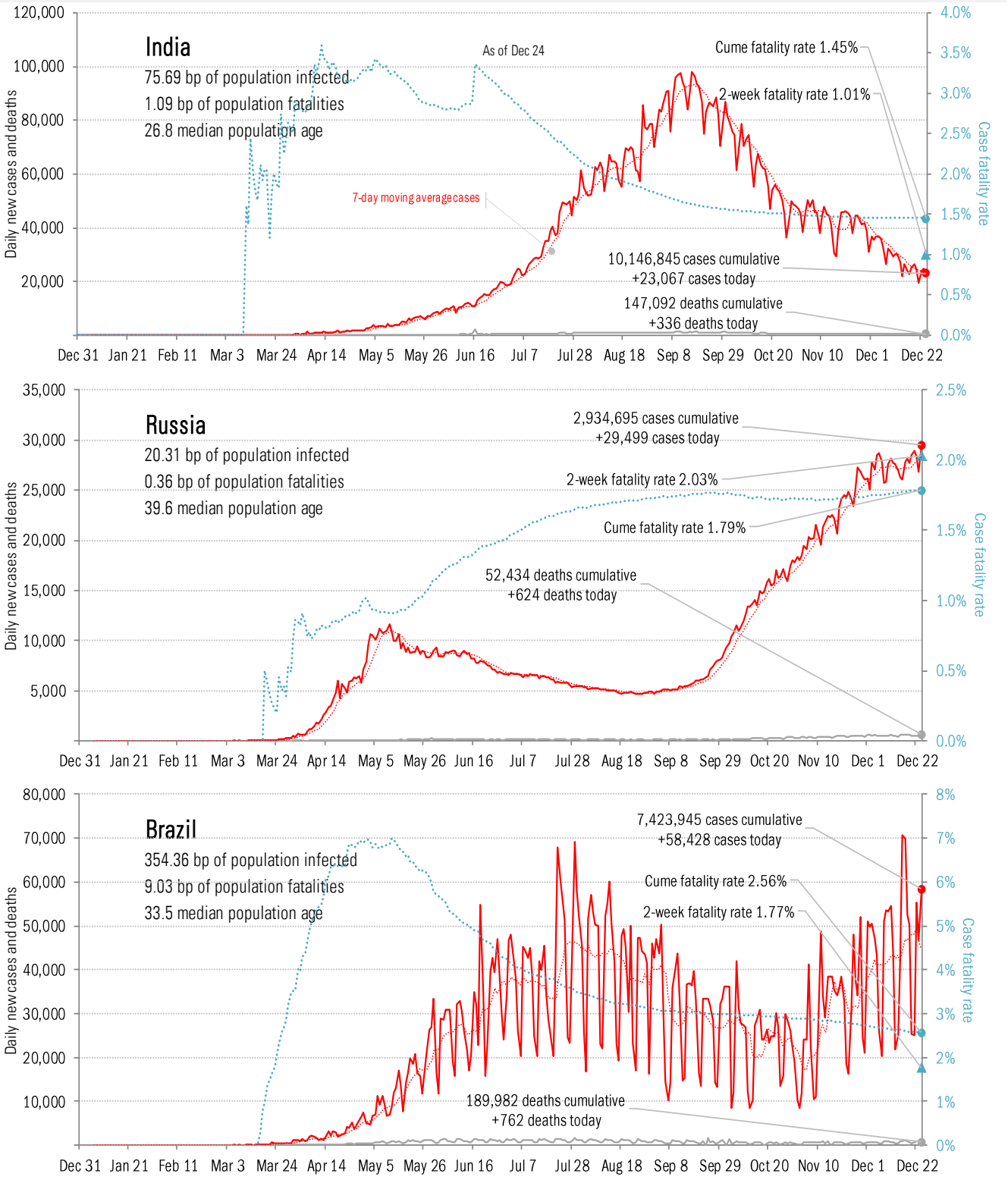
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



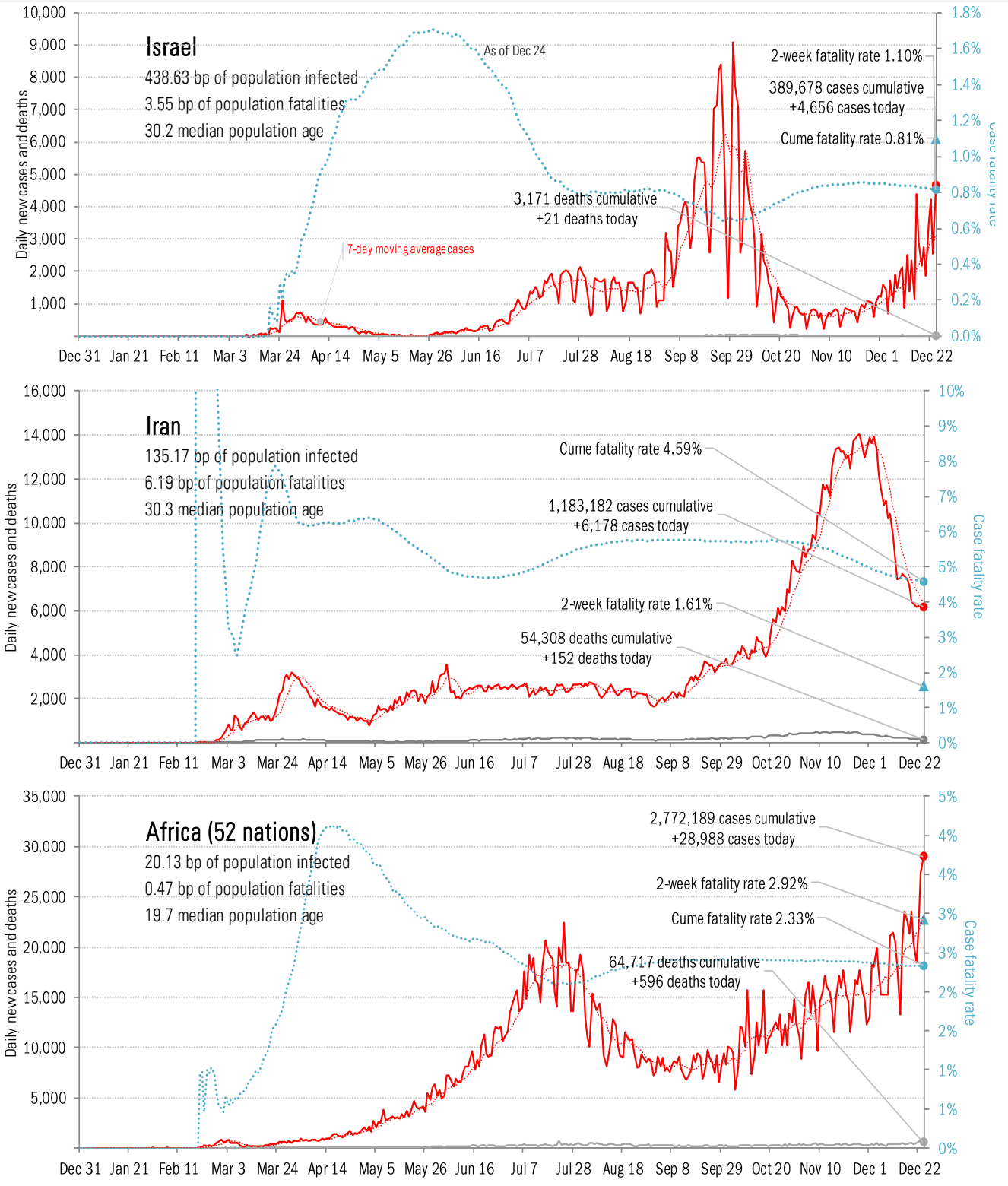
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations