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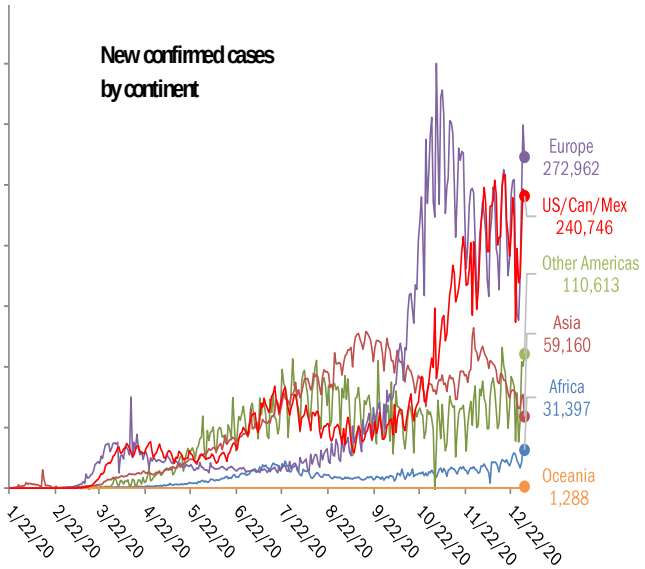
Data Insights: Covid-2019 Monitor

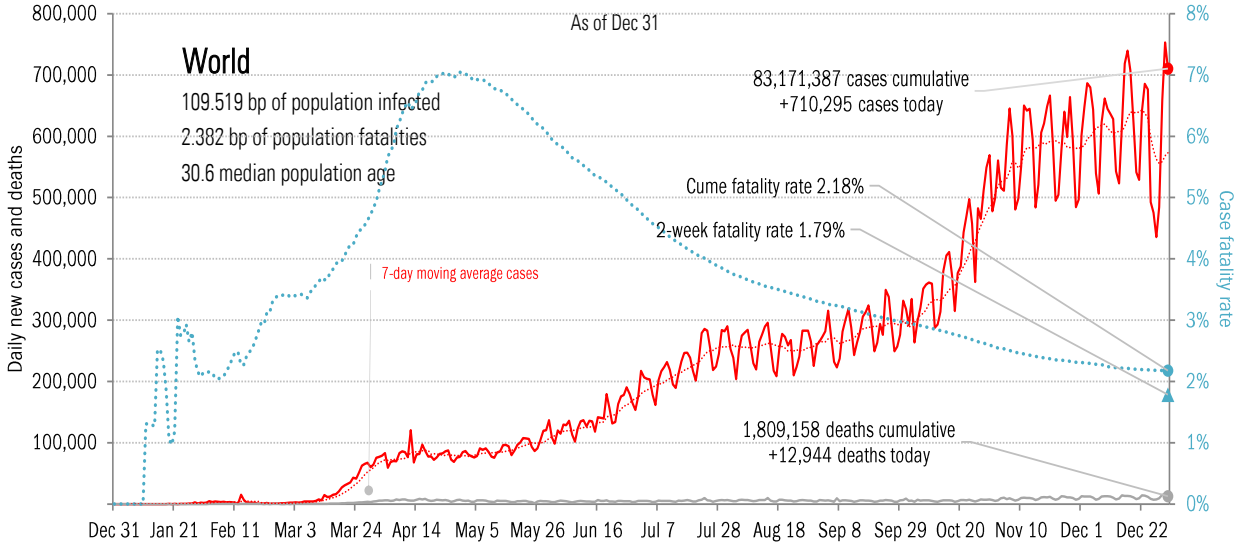
Friday, January 1, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+221,444	United States	+3,255
Brazil	+56,773	Brazil	+1,074
United Kingdom	+56,029	United Kingdom	+965
Russia	+27,329	Mexico	+910
Italy	+23,477	Russia	+579
France	+20,042	Germany	+561
Germany	+19,367	Italy	+555
Spain	+18,047	Poland	+535
South Africa	+18,000	South Africa	+436
Czechia	+17,039	Colombia	+304
	+477,547		+9,174
World	+710,295	World	+12,944
Top ten	67%	Top ten	71%





Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

For more information contact us:
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The US scorecard

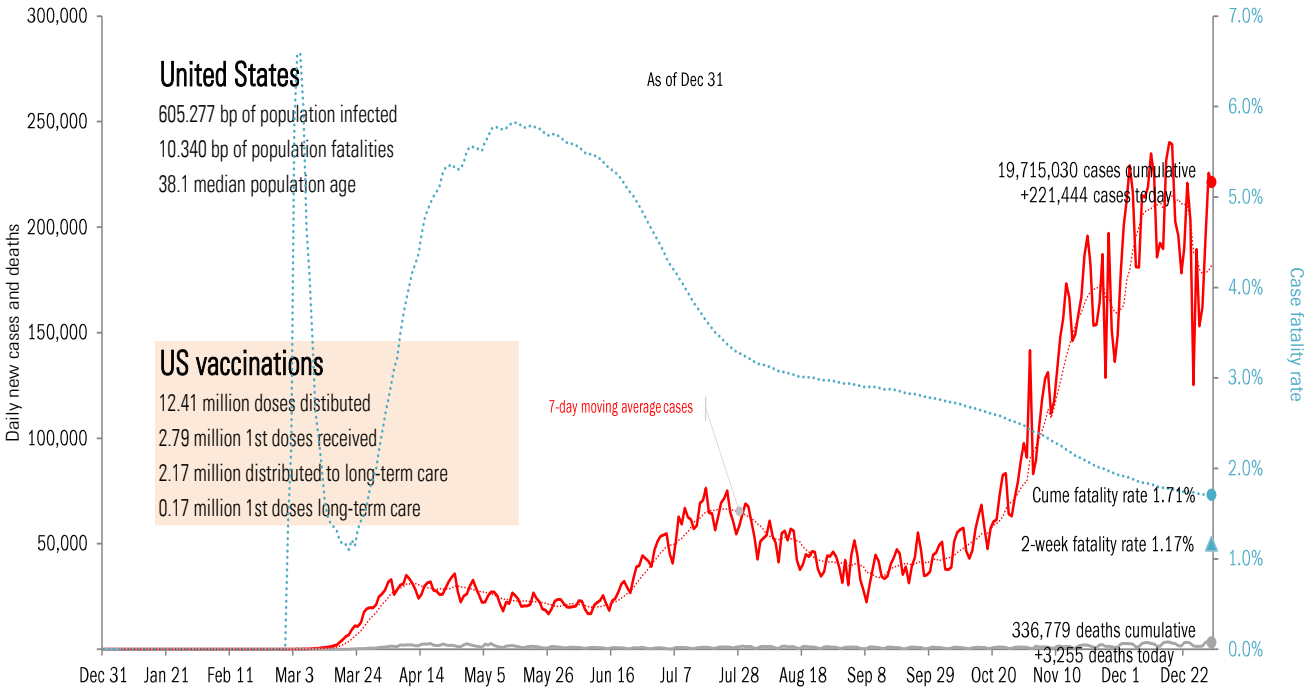
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CA	+27,237	CA	+428	TX	+276	CA	2,245,379	NY	30,040	NY	89,995	NV	169%	NM	98%
TX	+18,725	TX	+349	MO	+237	TX	1,756,172	TX	27,437	FL	63,741	RI	87%	AL	92%
FL	+16,827	PA	+306	NC	+133	FL	1,300,528	CA	25,386	NJ	47,326	GA	81%	RI	91%
NY	+16,802	IL	+167	ID	+95	NY	974,214	FL	21,990	GA	42,084	MD	79%	GA	90%
OH	+9,632	AZ	+146	FL	+65	IL	963,389	NJ	19,042	OH	38,334	SC	79%	NV	87%
PA	+8,992	NY	+135	NY	+43	OH	700,380	IL	17,978	AZ	37,257	CA	78%	OK	87%
GA	+8,499	FL	+133	AZ	+38	PA	640,325	PA	15,978	IN	34,999	AZ	77%	CA	87%
IL	+8,009	OH	+107	VA	+37	TN	586,802	MI	13,018	AL	34,184	DC	75%	TX	85%
AZ	+7,718	IN	+103	UT	+28	GA	566,676	MA	12,423	MD	26,636	MA	75%	WV	85%
MA	+7,260	TN	+97	NE	+27	NC	539,545	GA	10,934	MN	21,864	FL	75%	TN	84%
	+129,701		+1,971		+979		10,273,410		194,226		436,420				
All states	+221,444		+3,255		+159	All states	19,715,030		336,779		686,158	All states	70%		76%
Top ten	59%		61%		616%	Top ten	52%		58%		64%	Median	67%		74%

Some states not reporting

Five most improved US states

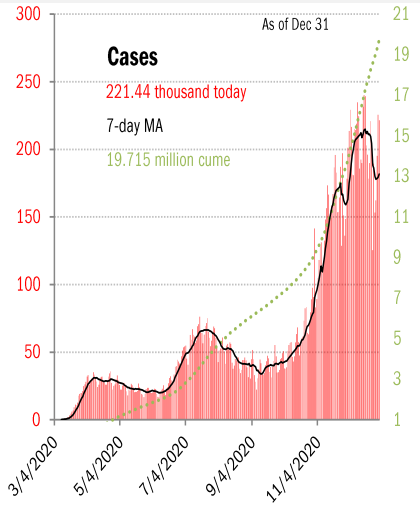
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-6,371	KS	-193	PA	-225	MA	+31,762
MI	-4,782	NC	-136	KS	-213	TX	+20,665
KY	-3,770	WA	-123	CA	-177	PA	+12,338
CA	-3,684	NJ	-85	TN	-147	OH	+9,801
TX	-2,744	MI	-52	NV	-120	TN	+7,223

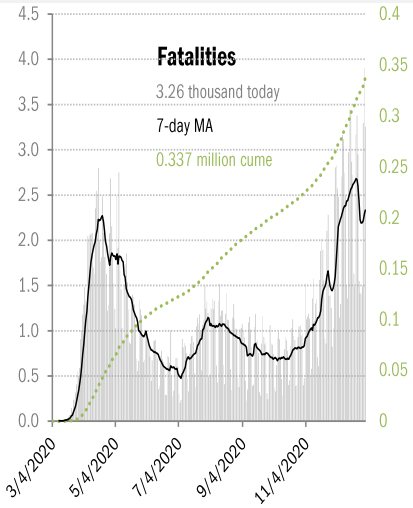


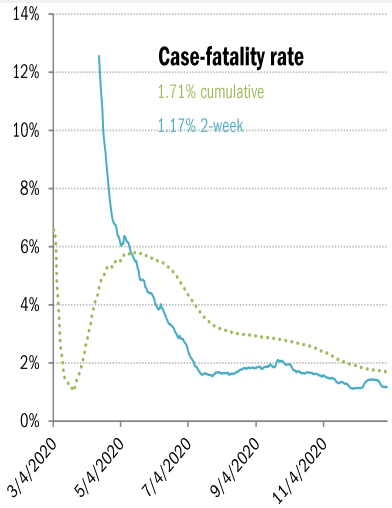
Source: Covid Tracking Project, Dept. of Health and Human Services, CDC, TrendMacro calculations

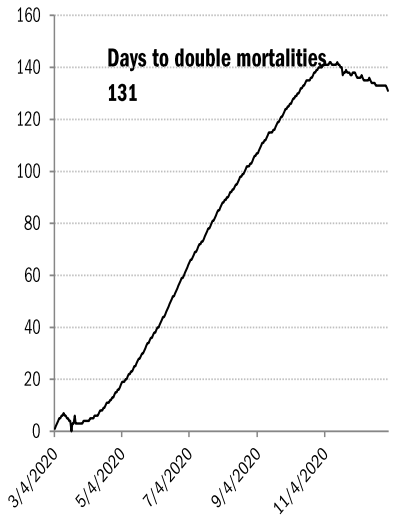
US deep-dive

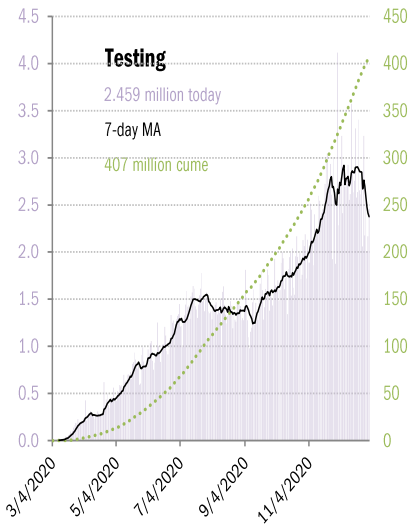
National and state-by-state data do not line up because of different sources

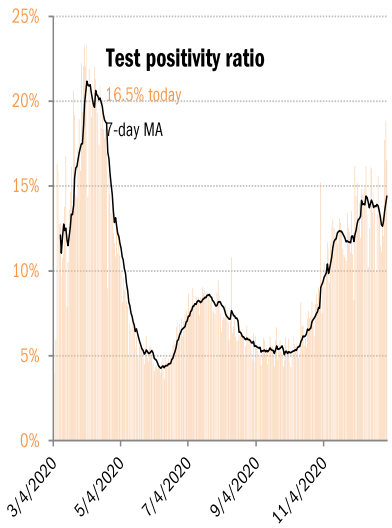


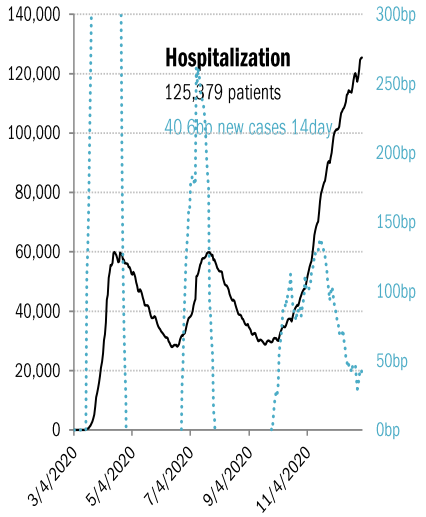


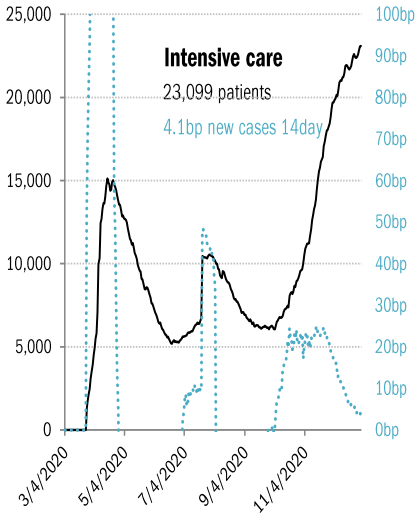


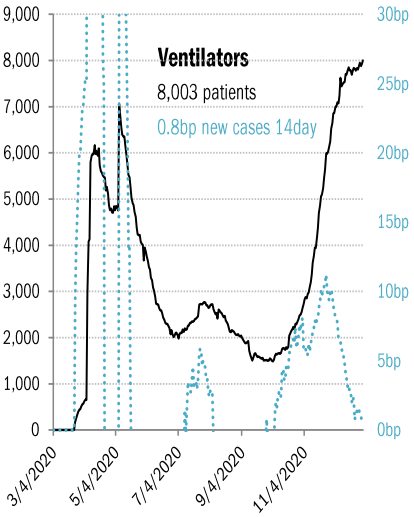






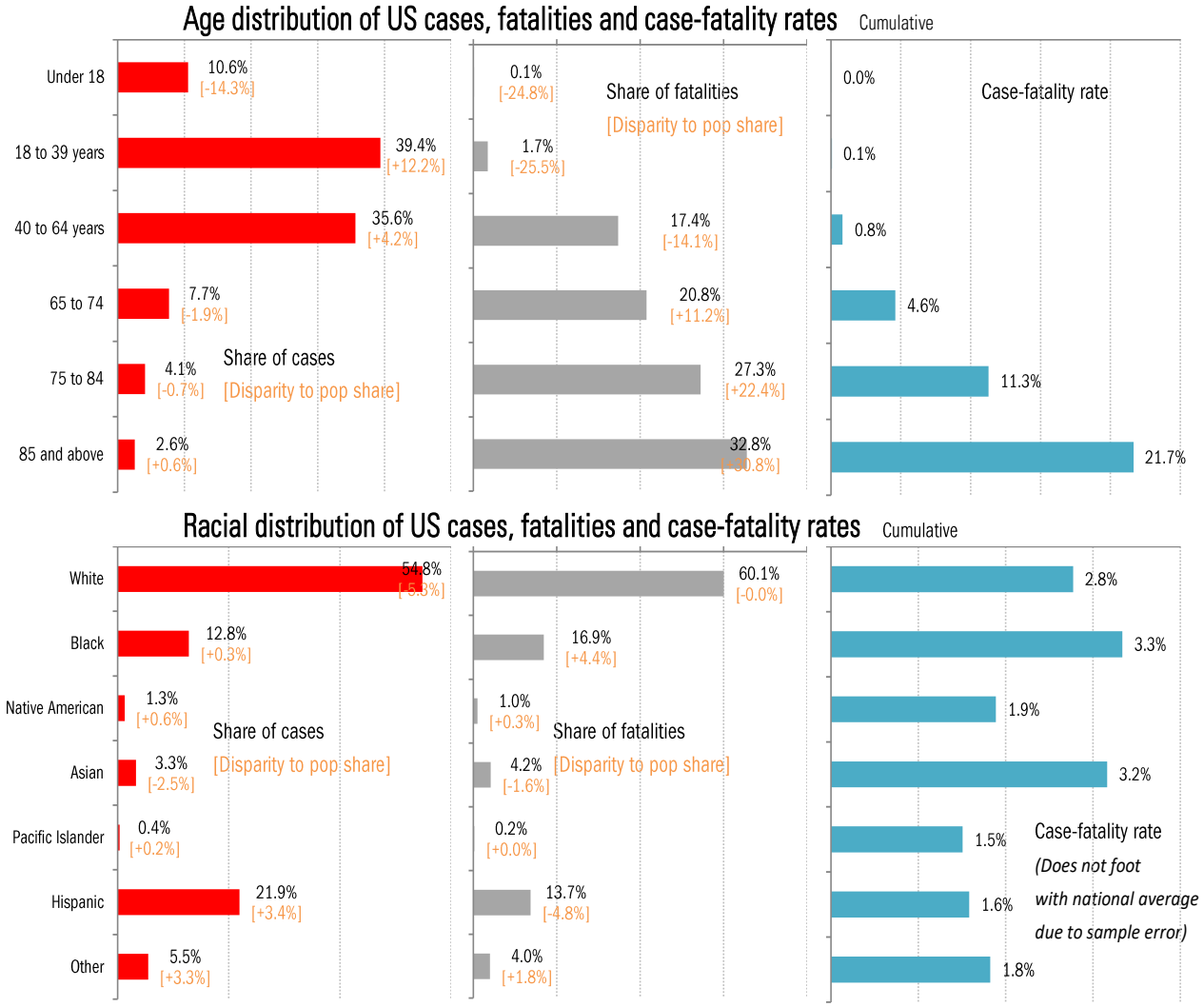




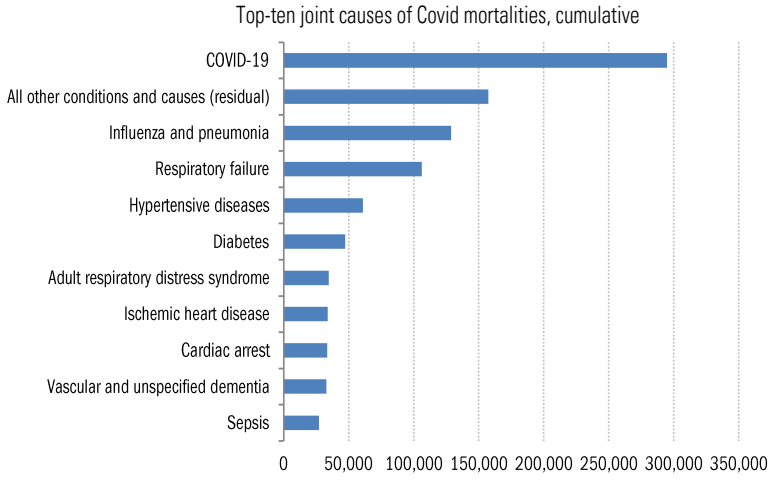


Source: Covid Tracking Project, TrendMacro calculations

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

[UK scientists trial drug to prevent infection that leads to Covid]
Denis Campbell
The Guardian
December 25, 2020

[COVID-19 bill started a 180-day countdown for UFO disclosures]
Steven Greenstreet and Steven Nelson
New York Post
December 29, 2020

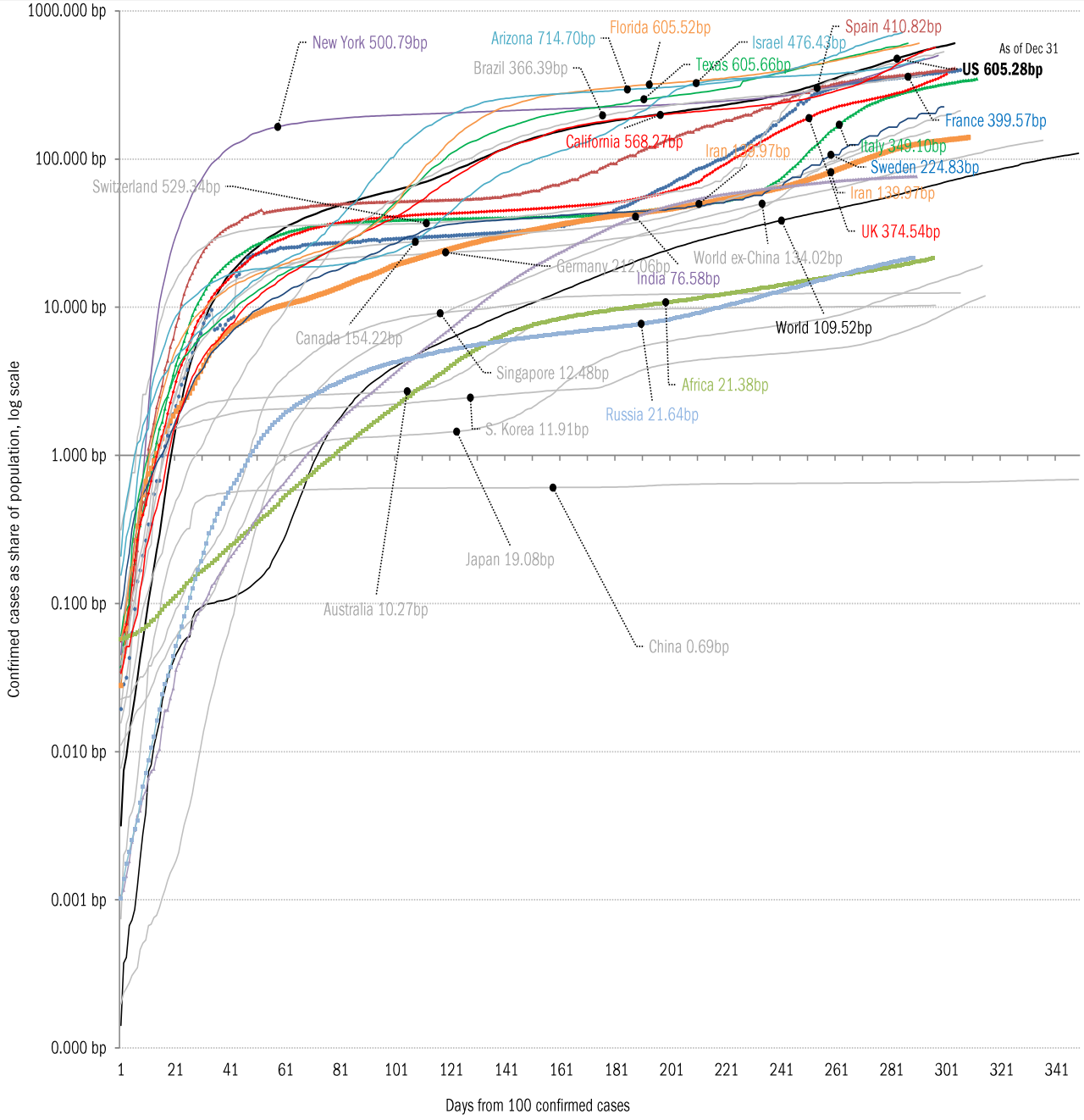
[The Top 10 Suppressed News Stories of 2020]
Frank Miele
RealClear Politics
December 29, 2020

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

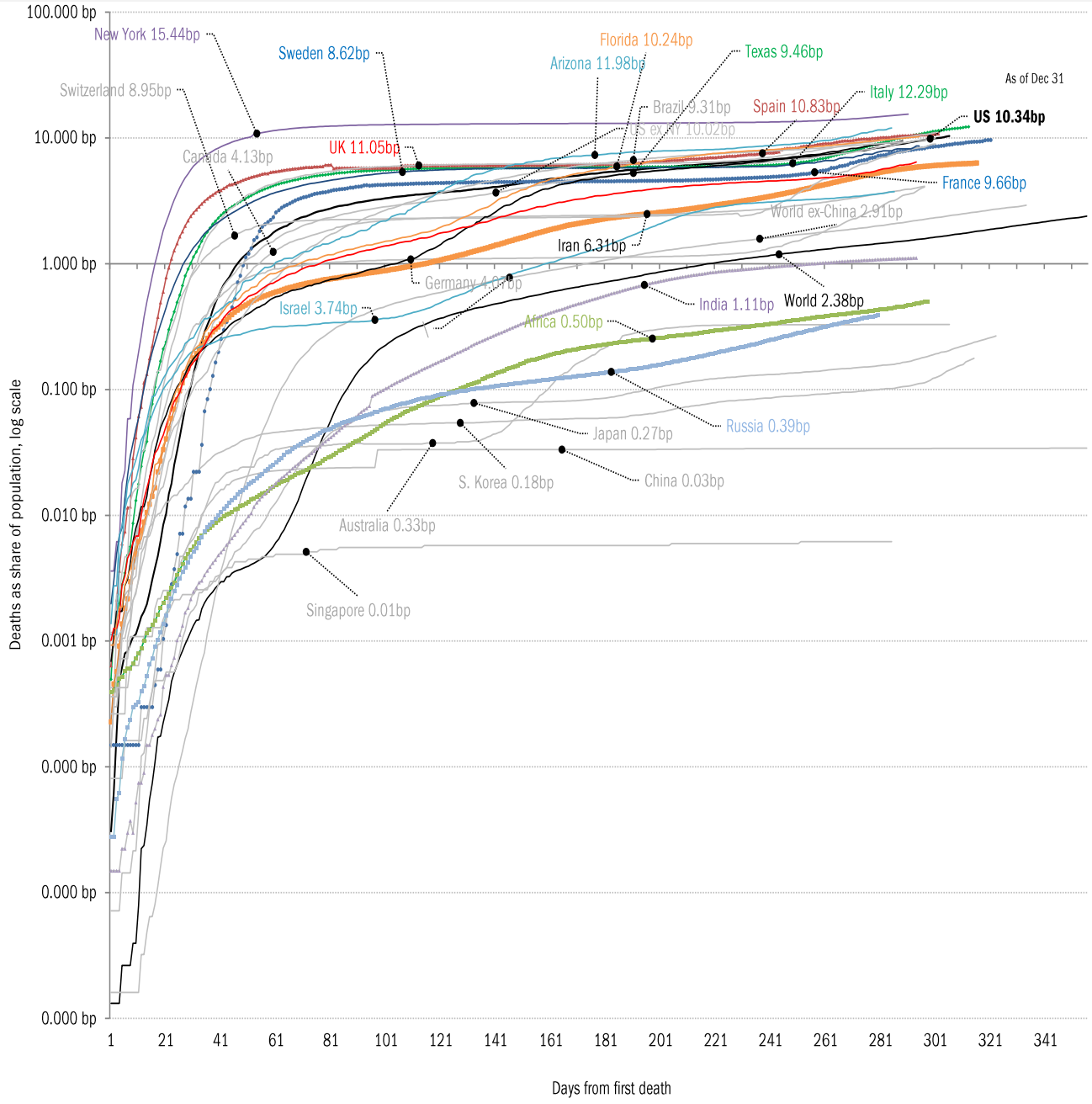
Share of infected population from first day with 100 confirmed cases, log scale



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

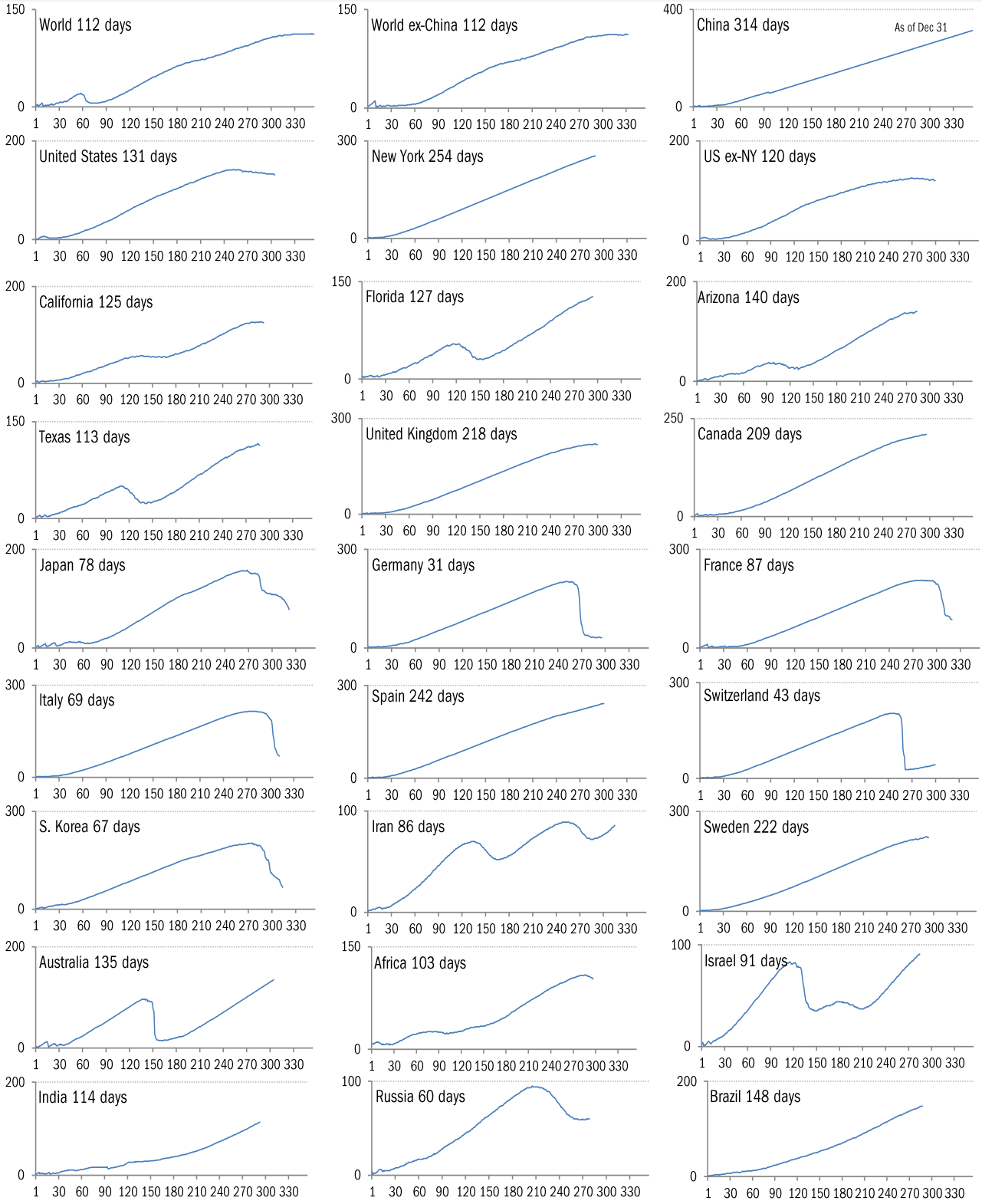


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

"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

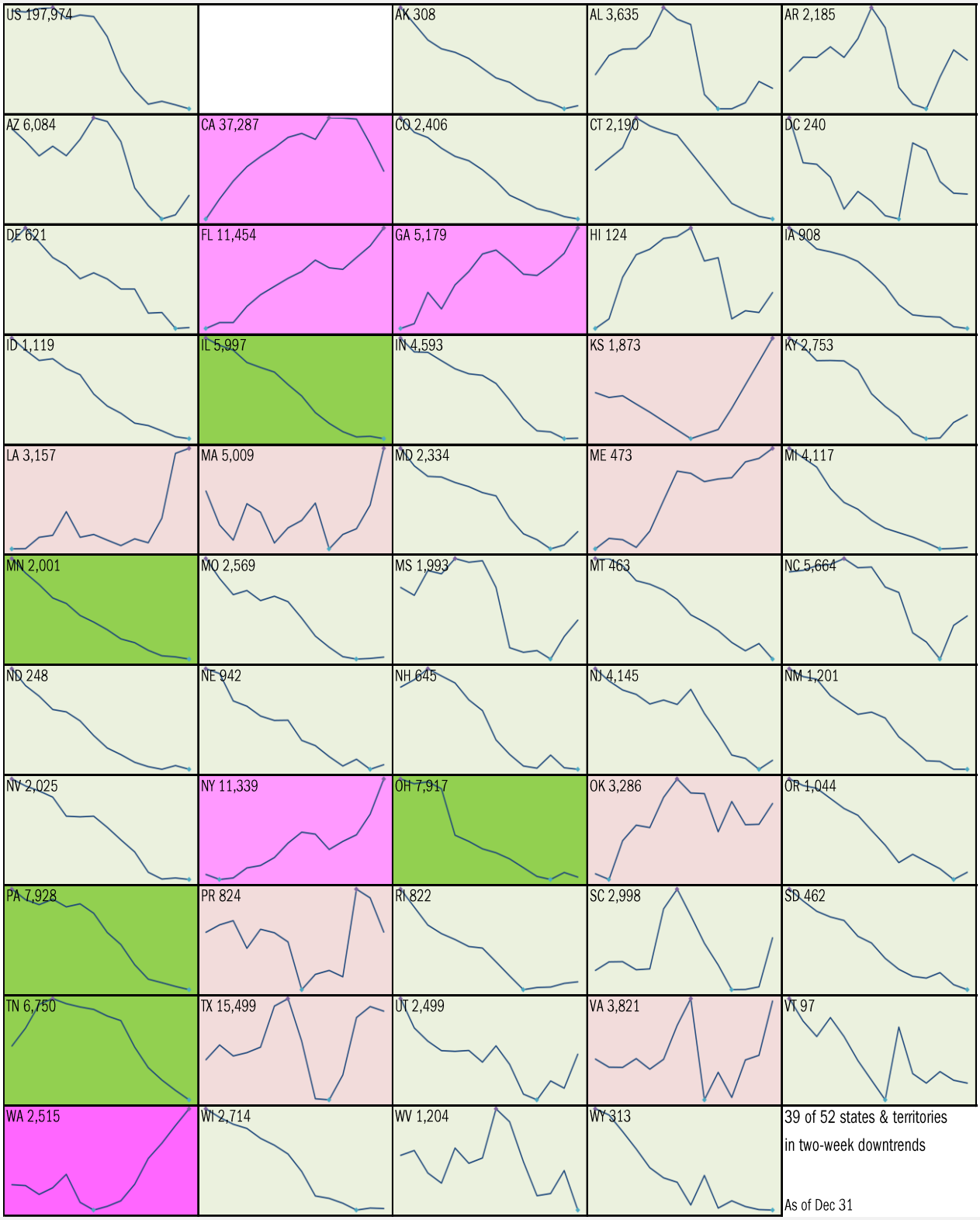


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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

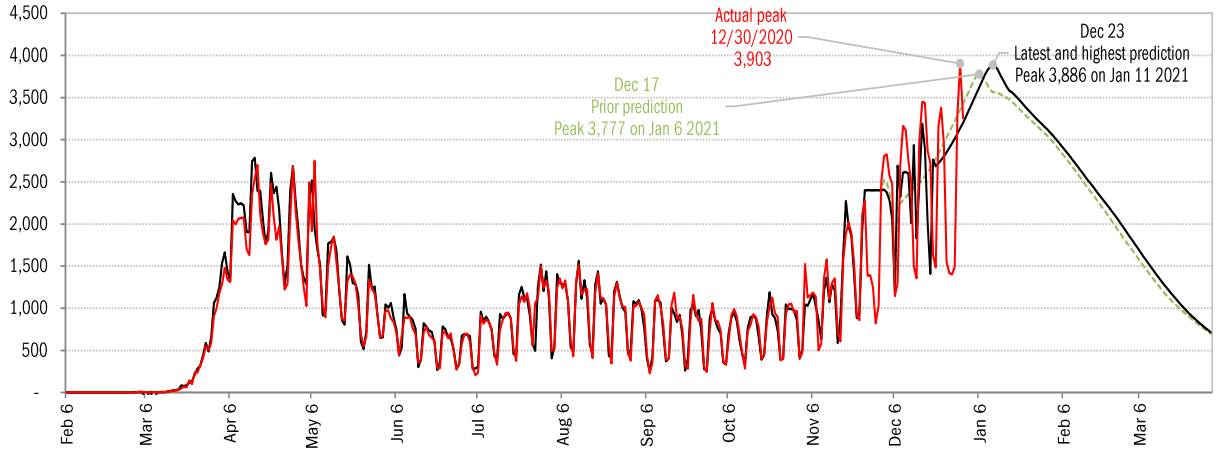
Downward trajectory Five best Upward trajectory Five worst

Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

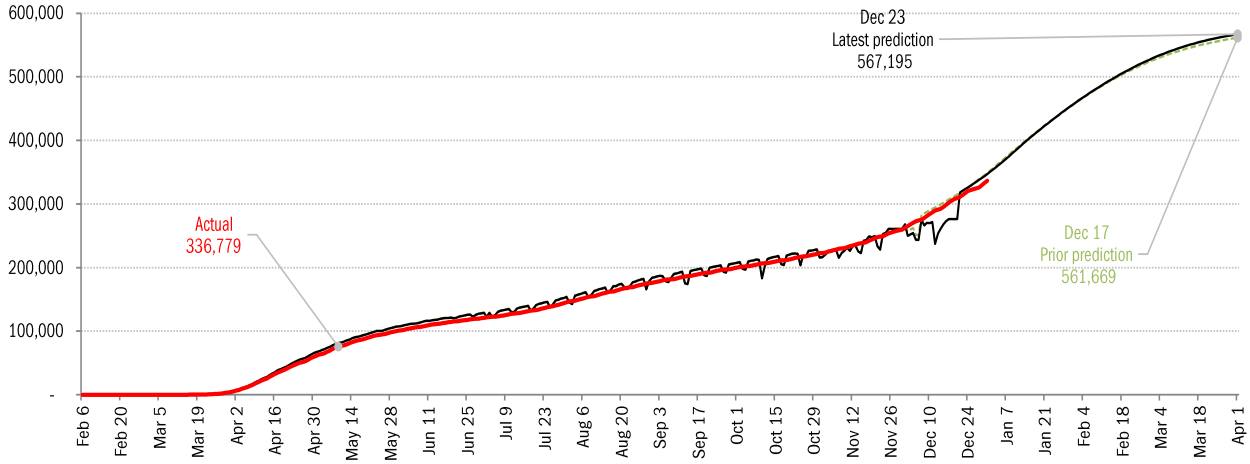
New daily fatalities As of Dec 31

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

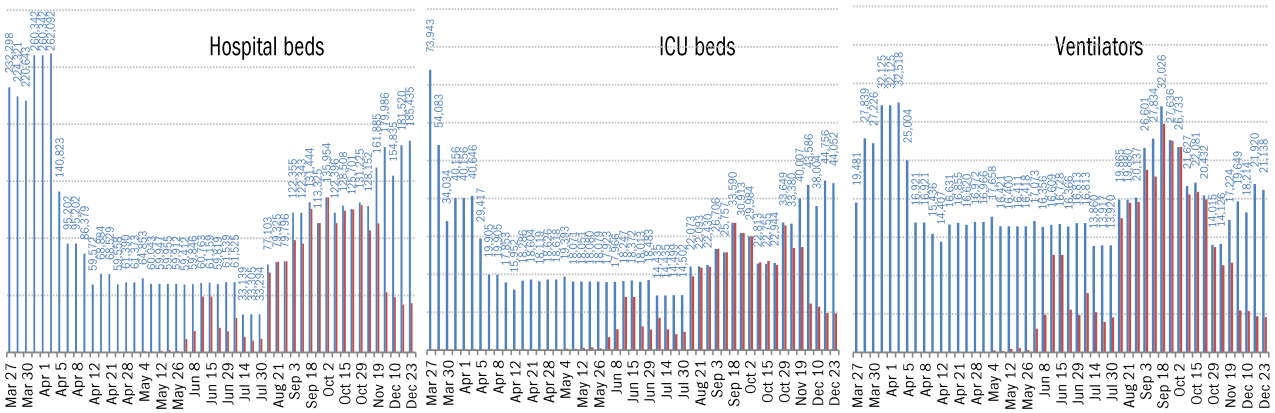


Cumulative fatalities

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

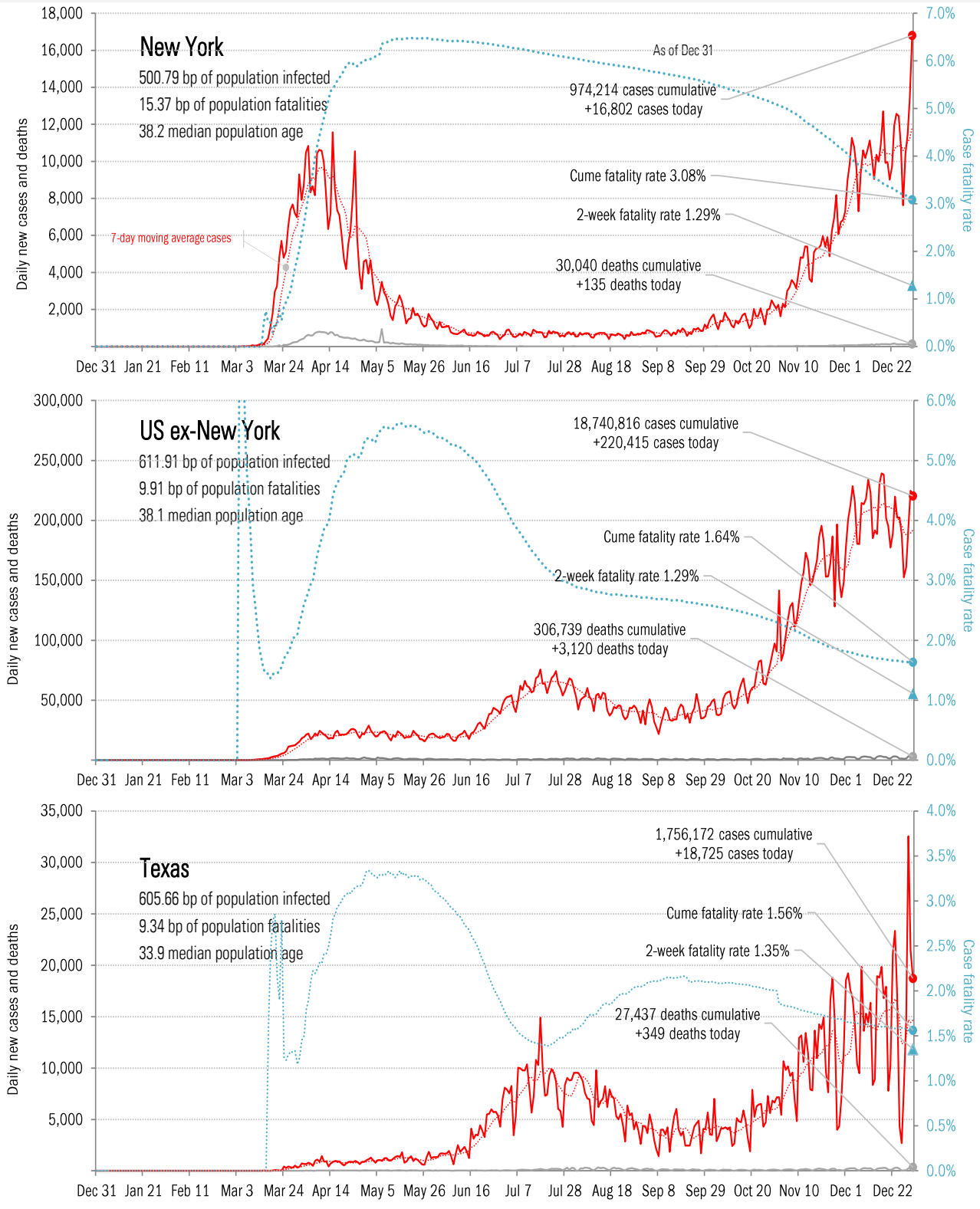


Healthcare system stress, peak and ultimate estimated at each model revision



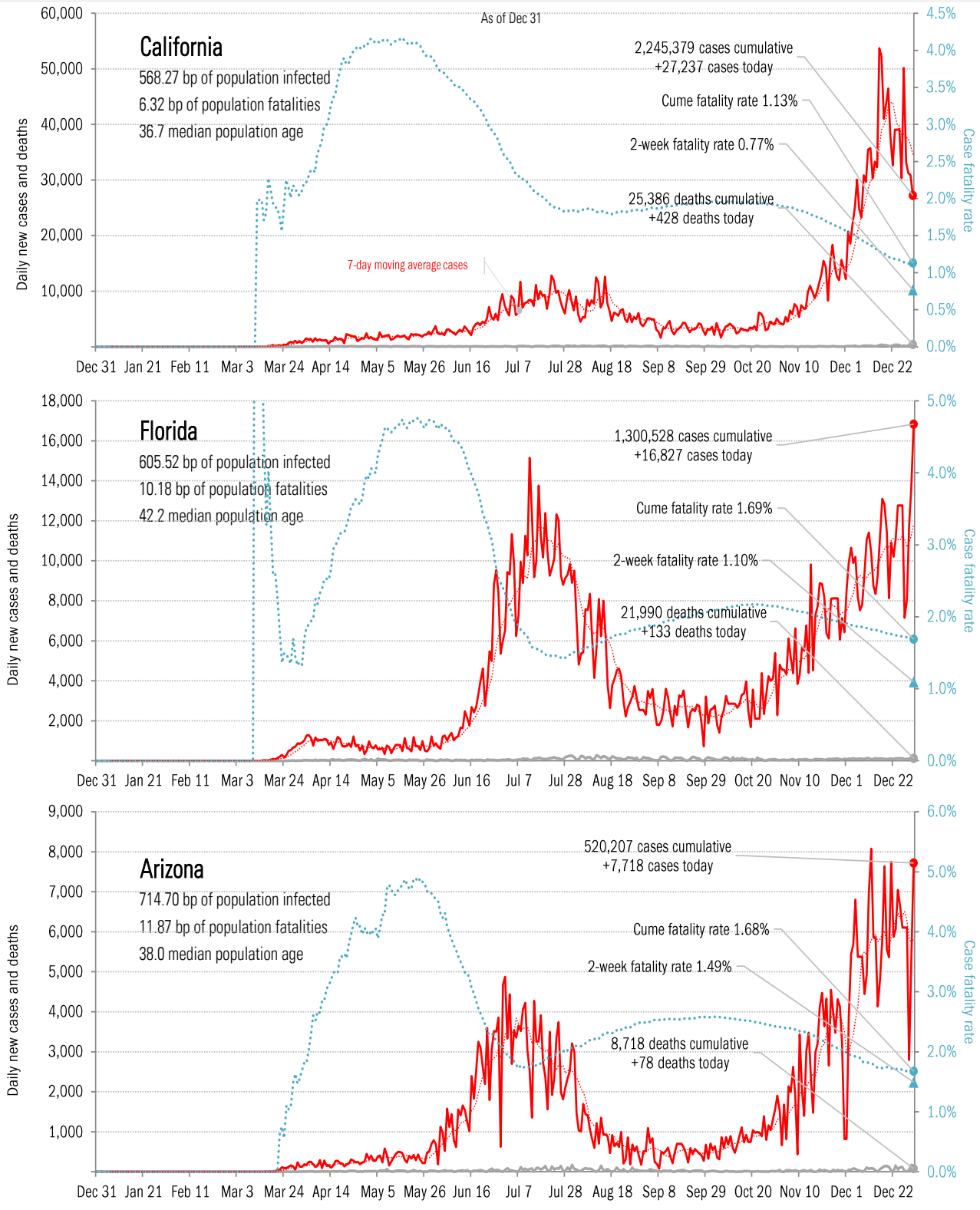
Source: IHME, Covid Tracking Project, TrendMacro calculations

From Ground Zero to the Rio Grande



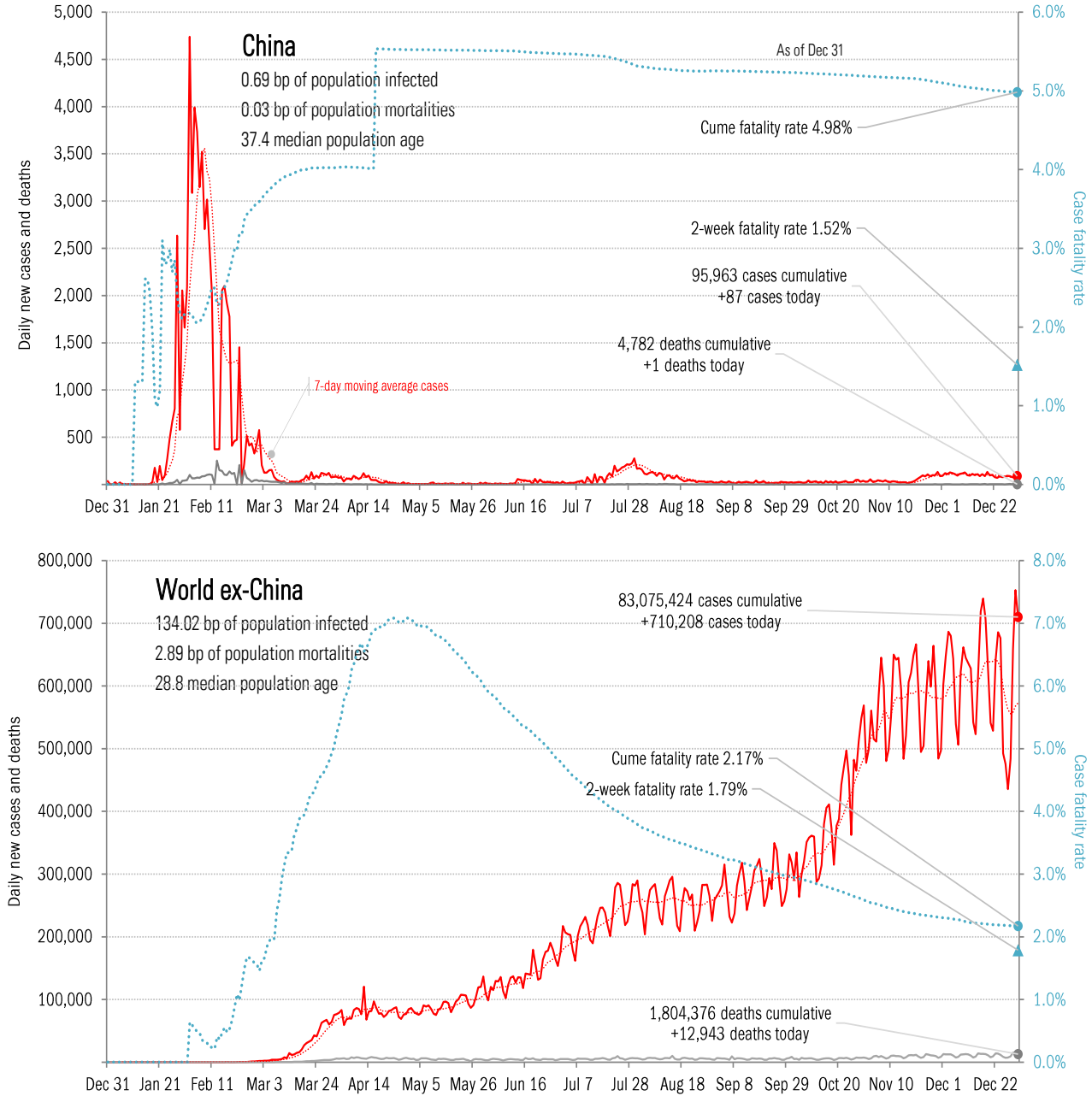
Source: Covid Tracking Project,, TrendMacro calculations

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



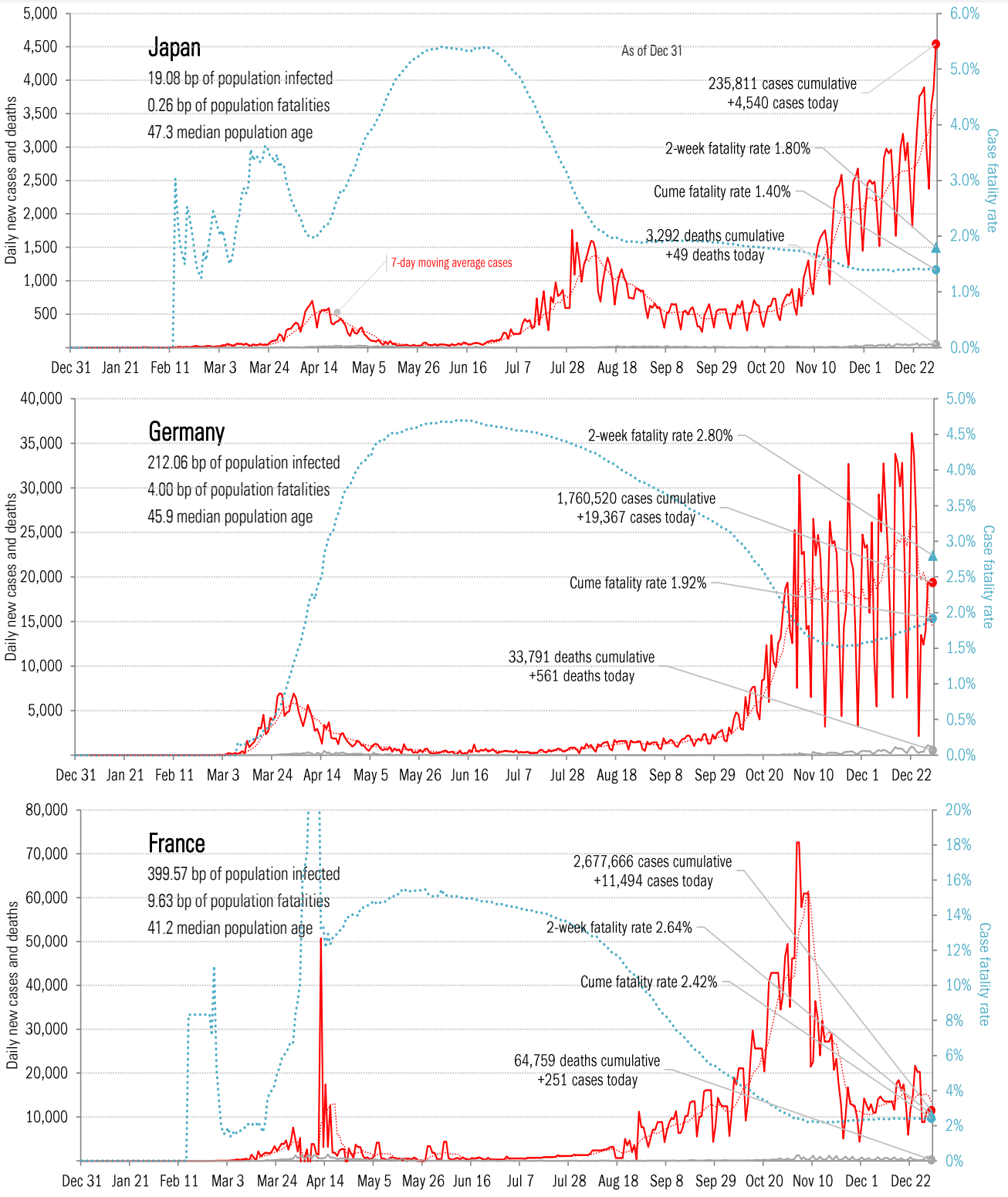
Source: Covid Tracking Project,, TrendMacro calculations

Patient zero… and then everyone else



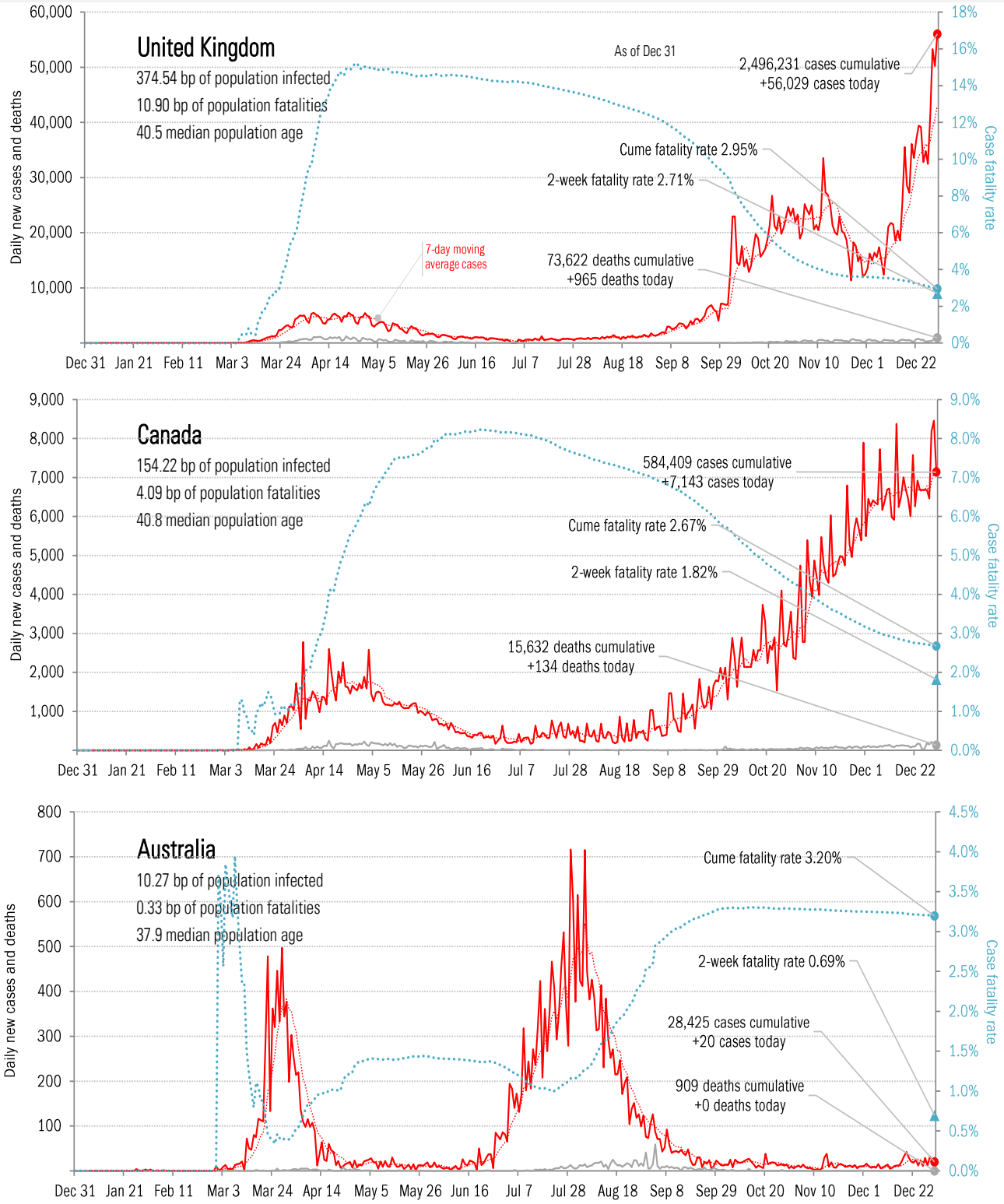
Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

Impact in the largest economies



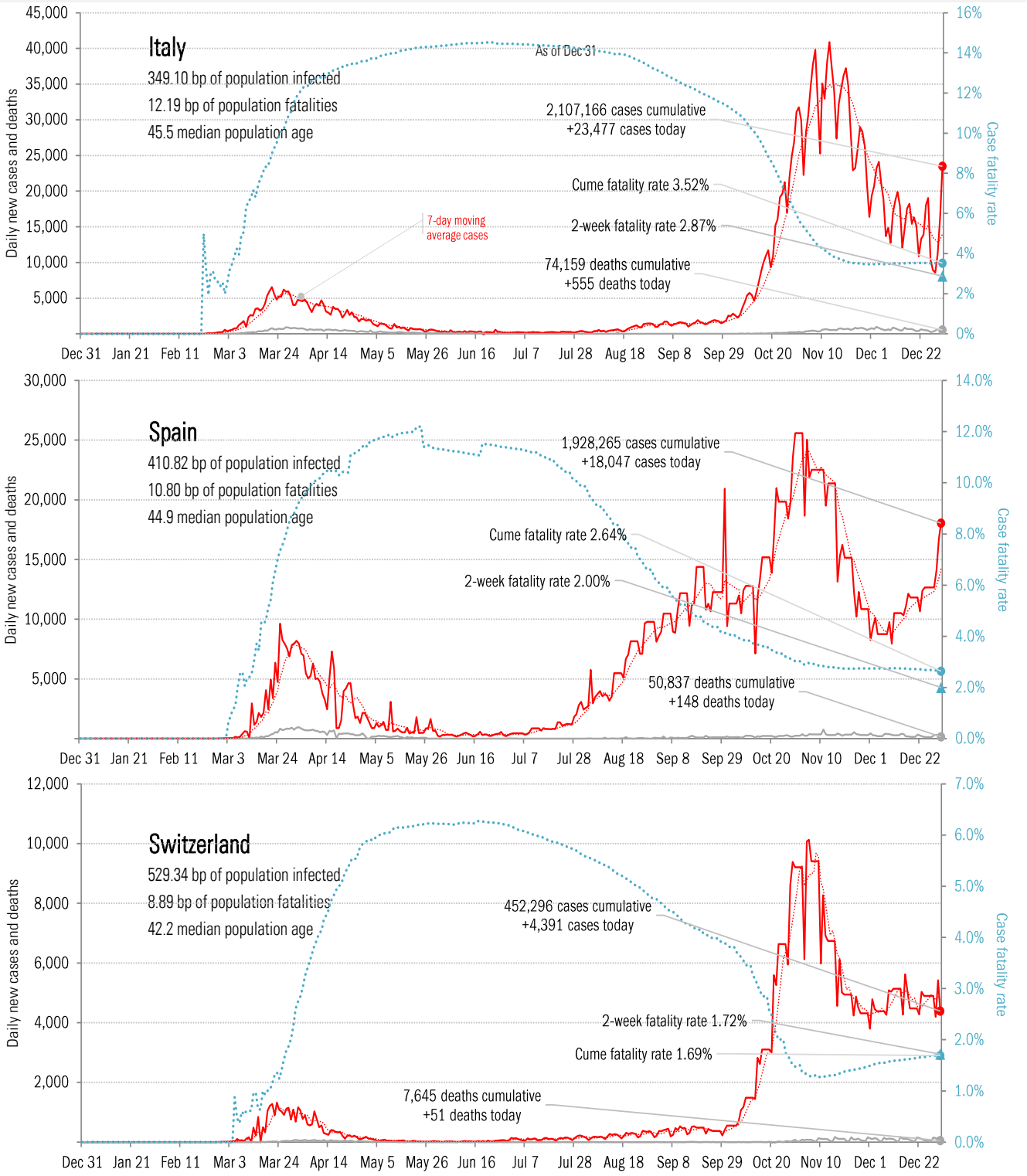
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere



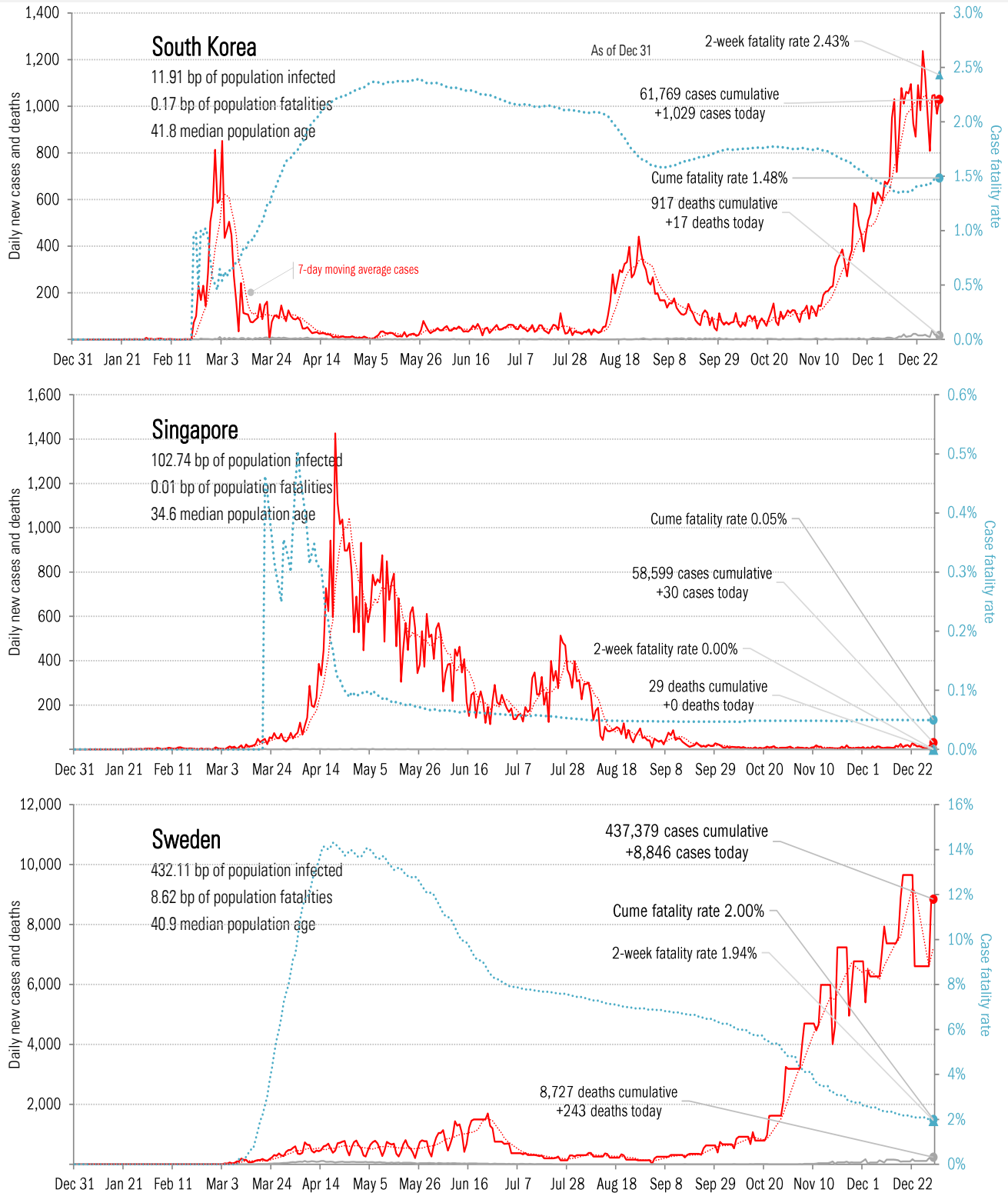
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



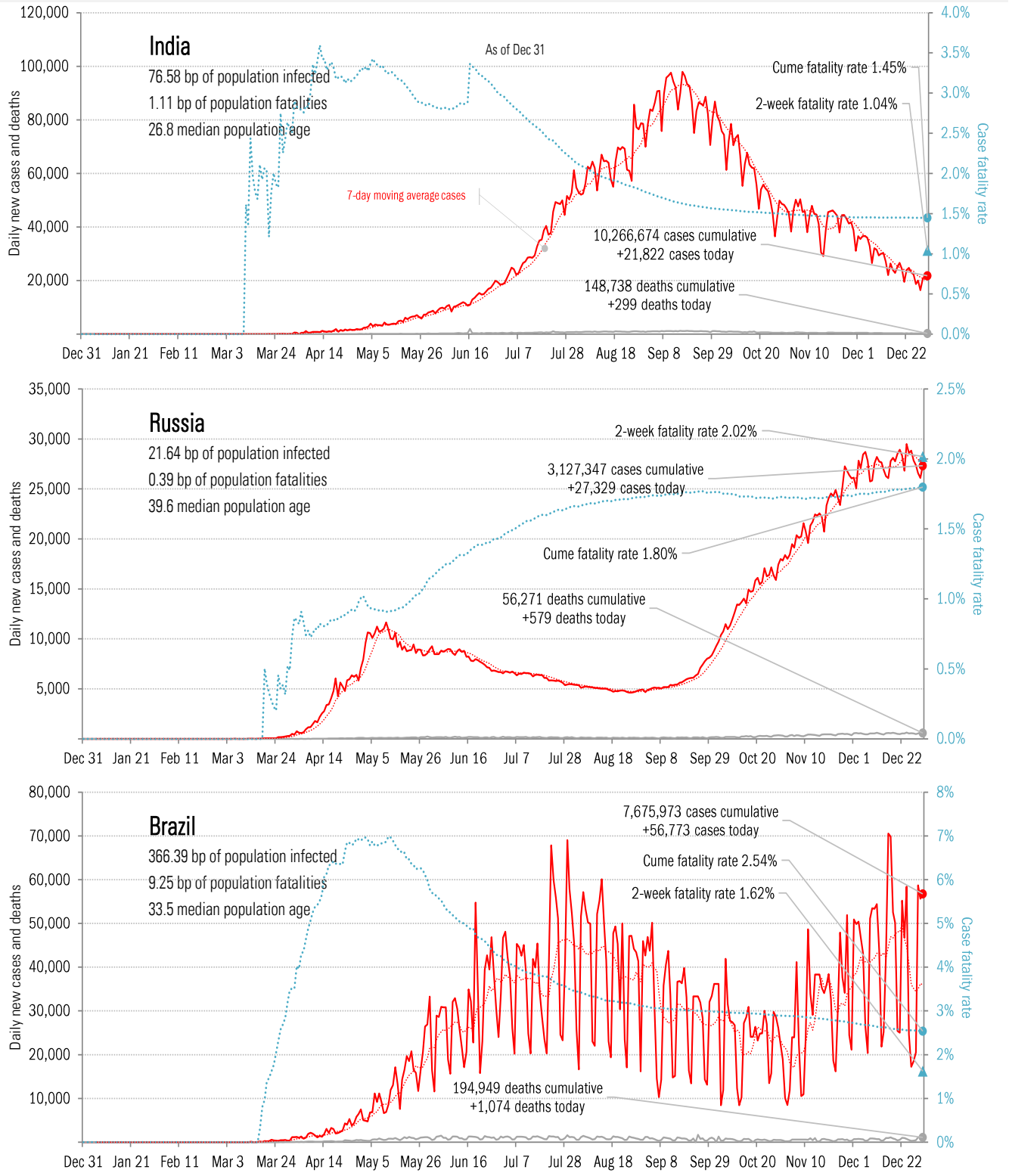
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



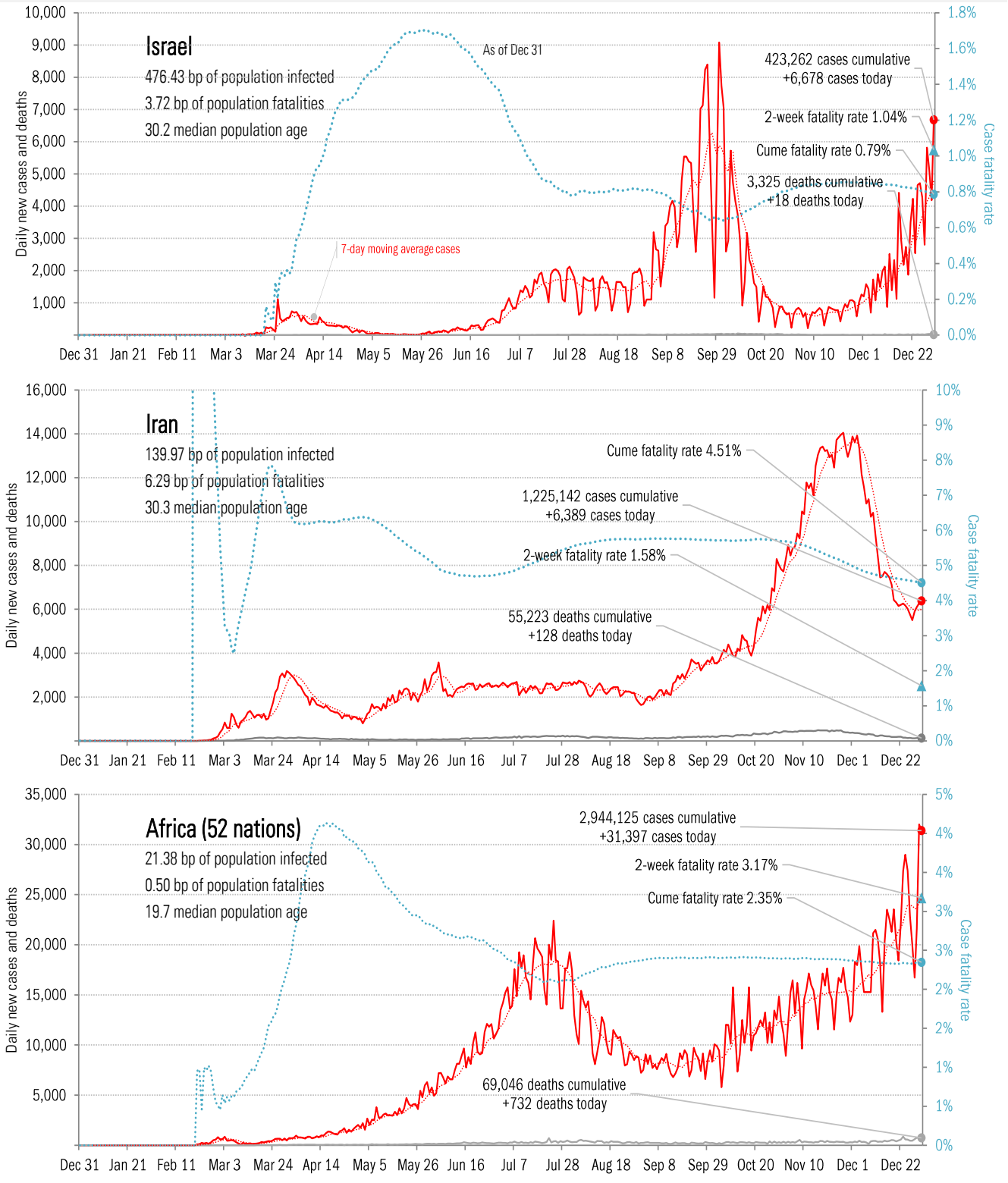
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations