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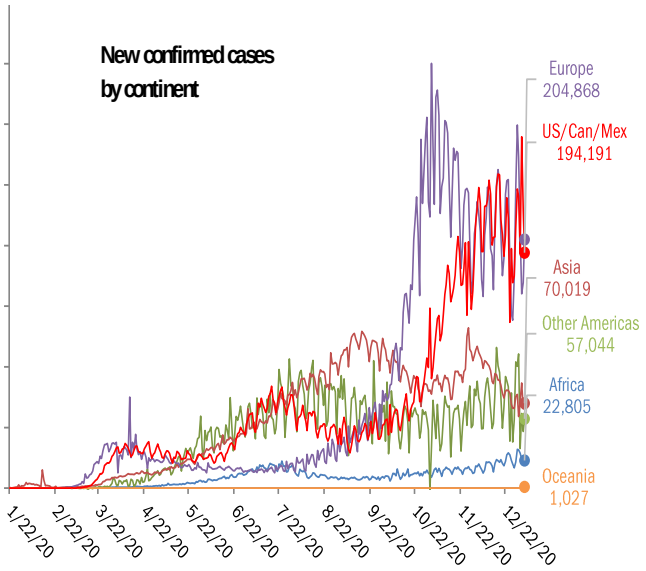
Data Insights: Covid-2019 Monitor

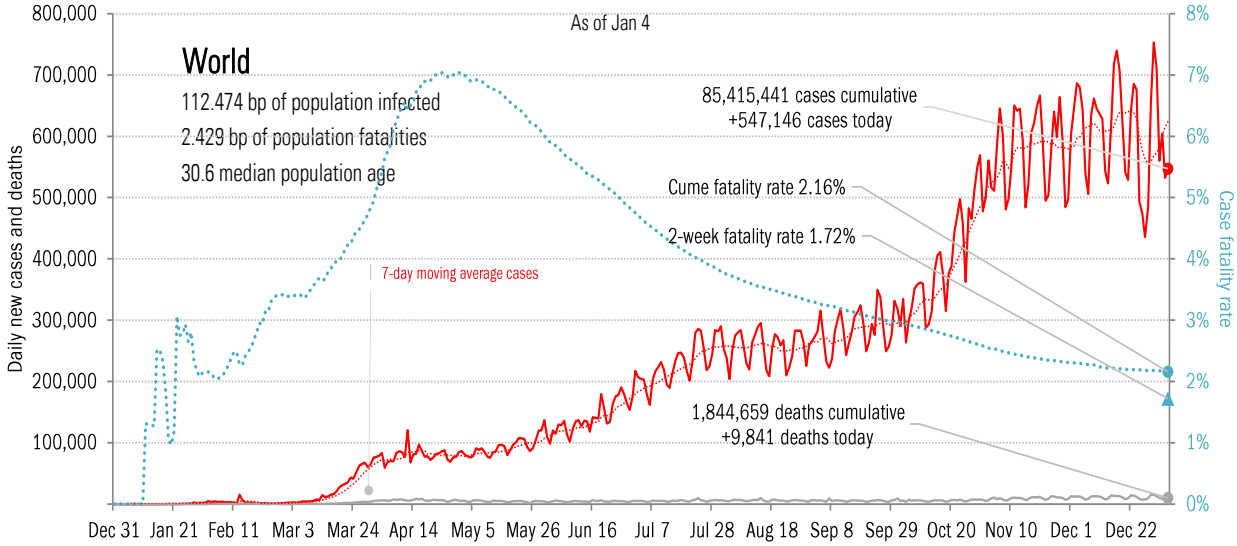
Tuesday, January 5, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+177,669	United States	+1,545
United Kingdom	+58,923	Germany	+957
Spain	+30,579	Mexico	+544
Russia	+23,015	Brazil	+543
Brazil	+20,006	Russia	+473
India	+16,375	South Africa	+434
Turkey	+13,695	United Kingdom	+410
South Africa	+12,601	France	+385
Germany	+12,320	Italy	+348
Italy	+10,798	Lithuania	+307
	+375,981		+5,946
World	+547,146	World	+9,841
Top ten	69%	Top ten	60%





Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

For more information contact us:
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The US scorecard

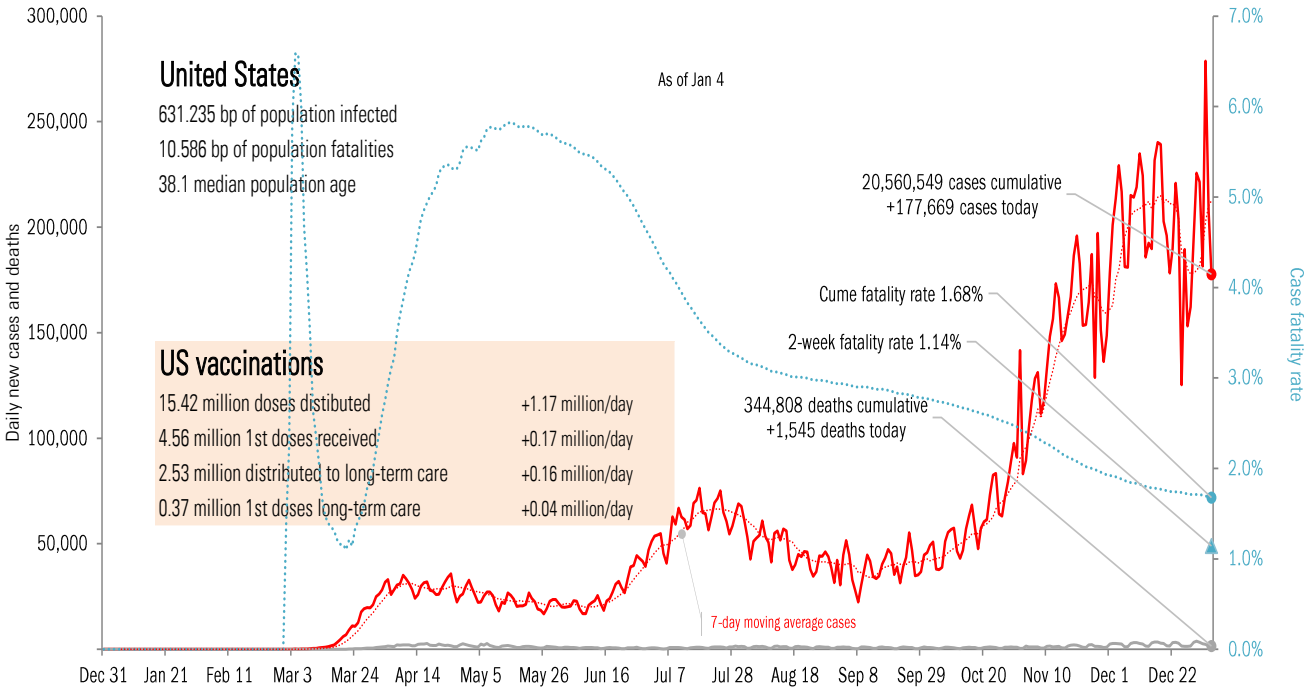
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CA	+29,633	NY	+172	CA	+493	CA	2,420,894	NY	30,648	NY	89,995	RI	87%	NM	93%
TX	+18,182	TN	+143	TX	+398	TX	1,811,523	TX	27,969	FL	64,397	GA	85%	AL	92%
NY	+11,209	FL	+105	NY	+288	FL	1,352,222	CA	26,635	NJ	48,770	MD	83%	GA	91%
FL	+10,935	CA	+97	FL	+269	NY	1,028,362	FL	22,415	GA	42,595	SC	82%	CA	88%
WA	+8,644	IL	+90	GA	+210	IL	984,880	NJ	19,244	AZ	39,897	DC	80%	OK	88%
OH	+5,942	MI	+85	AL	+179	OH	727,423	IL	18,412	OH	39,112	NV	80%	TX	87%
MI	+5,490	CT	+69	OH	+168	PA	665,097	PA	16,361	IN	35,856	NC	79%	RI	87%
NC	+5,187	OH	+67	IL	+131	TN	612,250	MI	13,391	AL	35,430	CT	78%	NV	86%
AZ	+5,158	PA	+66	IN	+122	GA	591,106	MA	12,671	MD	27,367	CA	78%	MS	85%
IL	+5,059	MA	+61	NJ	+112	NC	570,111	GA	10,971	MN	22,180	AZ	77%	NC	85%
	+105,439		+955		+2,370		10,763,868		198,717		445,599				
All states	+177,669		+1,545		+2648	All states	20,560,549		344,808		699,971	All states	72%		77%
Top ten	59%		62%		90%	Top ten	52%		58%		64%	Median	69%		75%

Some states not reporting

Five most improved US states

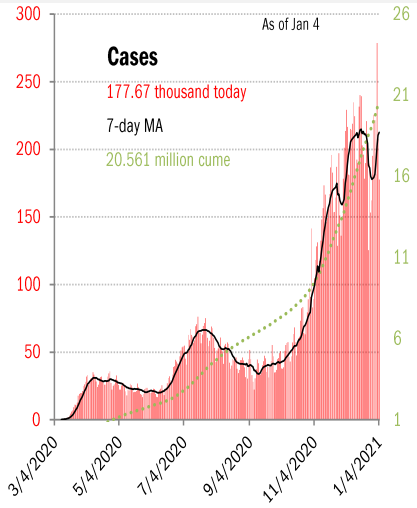
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CA	-15,719	CA	-84	KS	-163	NC	+83,602
AZ	-12,076	SC	-69	MO	-150	MS	+14,840
OK	-5,318	MA	-47	MN	-85	TX	+12,900
SC	-5,148	MN	-40	NM	-67	PA	+12,036
LA	-4,660	IN	-26	MI	-60	NE	+6,893

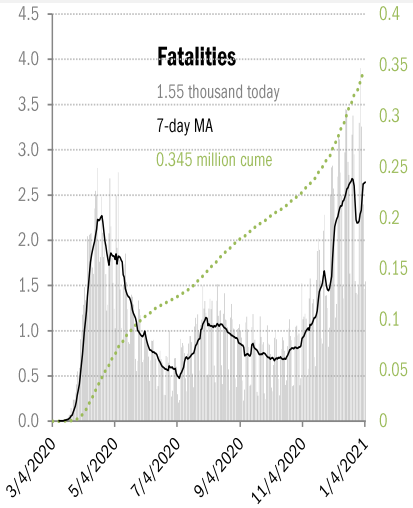


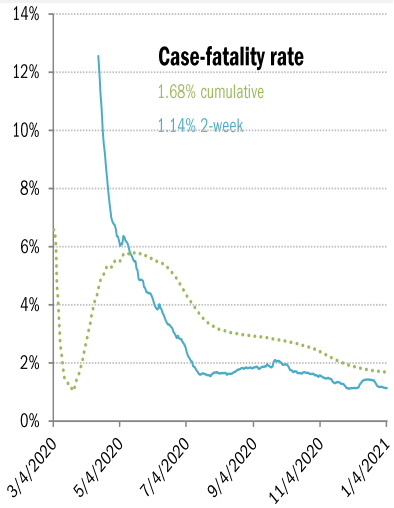
Source: Covid Tracking Project, Dept. of Health and Human Services, CDC, TrendMacro calculations

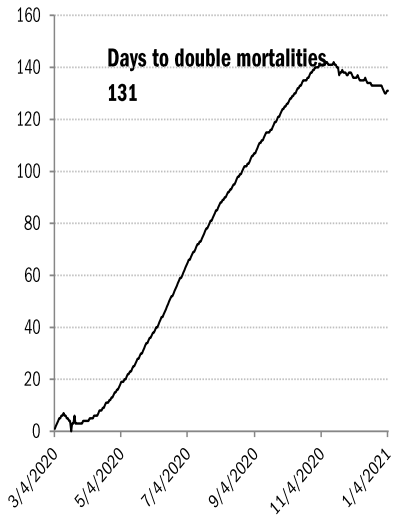
US deep-dive

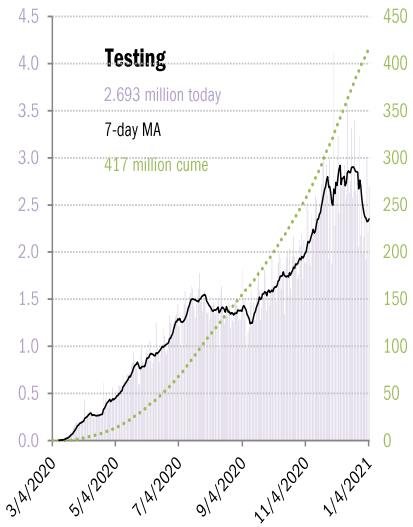
National and state-by-state data do not line up because of different sources

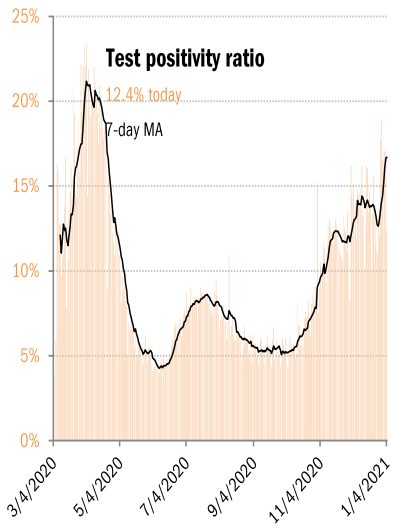


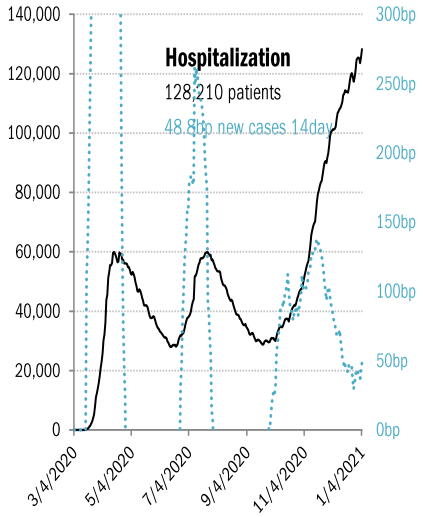


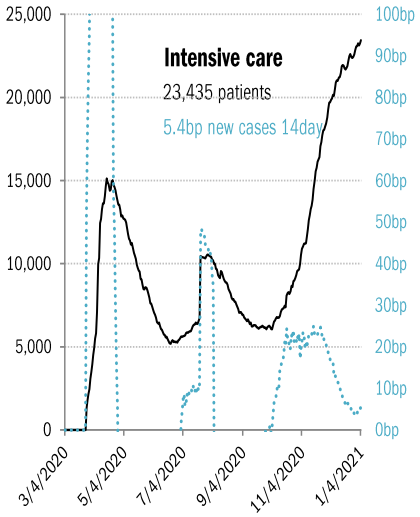


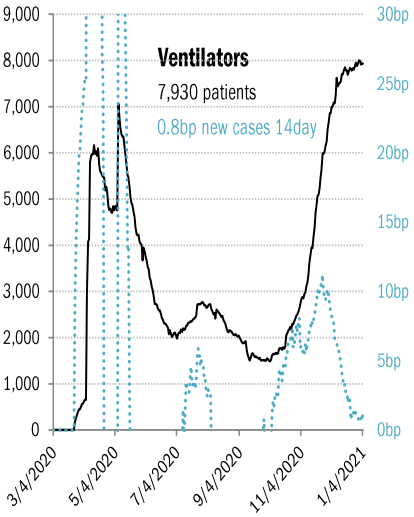






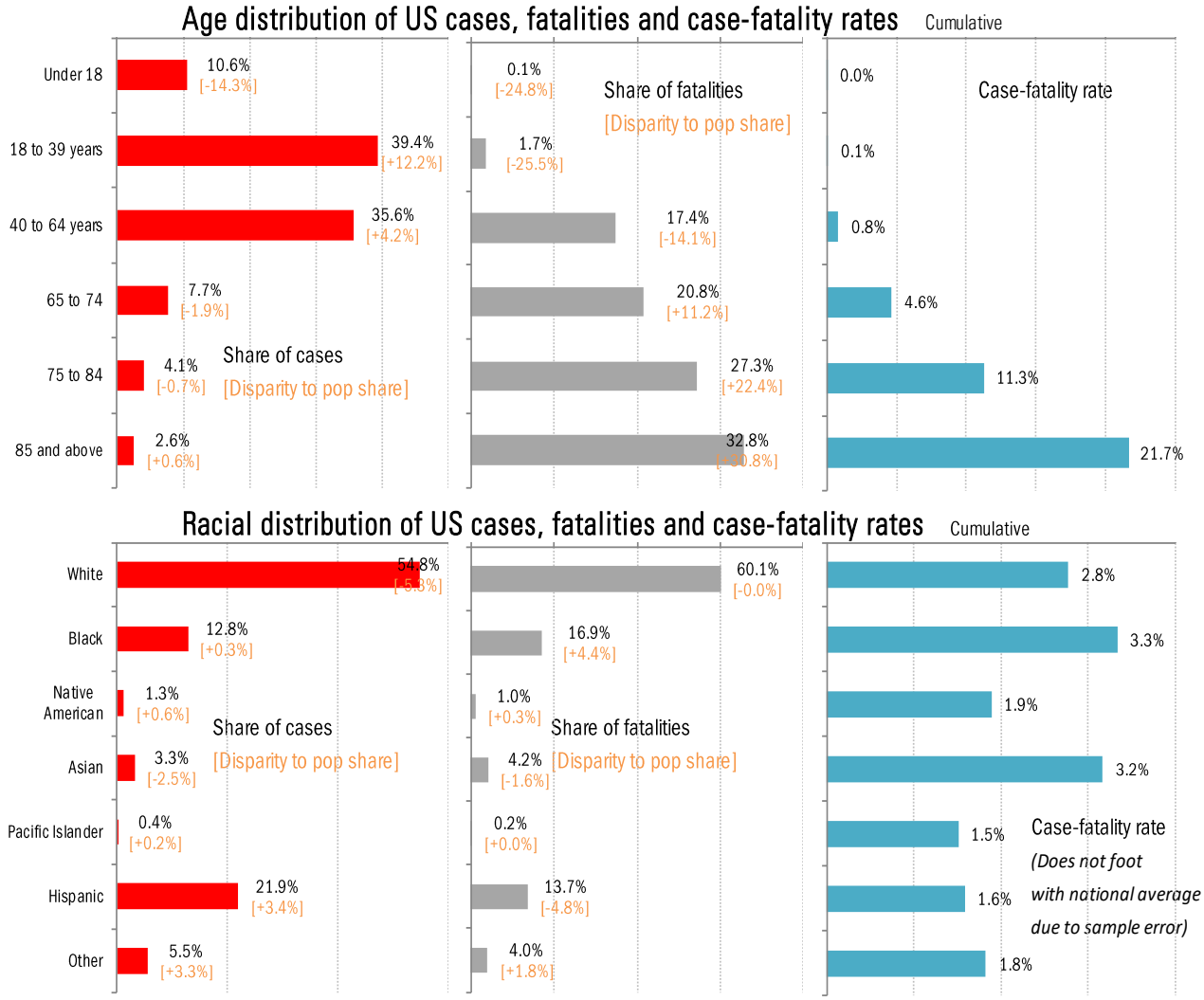




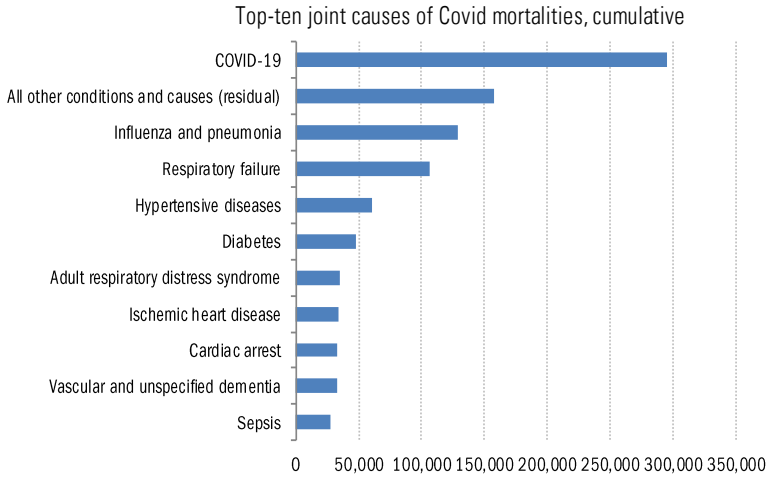


Source: Covid Tracking Project, TrendMacro calculations

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

Existing antihistamine drugs show effectiveness against COVID-19 virus in cell testing
Doug Bennett
University of Florida Health
December 3, 2020

CTU silent as board member vacations while arguing in-person learning is unsafe
Ben Bradley
WGN9
January 1, 2021

China lab leak is the 'most credible' source of the coronavirus outbreak, says top US government official, amid bombshell claims Wuhan scientist has turned whistleblower
Abul Taher
Daily Mail
January 3, 2021

Moore to appear in House for Speaker's vote after testing positive for COVID-19
Juliegrace Brufke
The Hill
January 3, 2021

Biden team defends Yellen making millions in speaking fees from big corporations
Evie Fordham
Fox Business
January 3, 2021

Bill de Blasio Dances in Times Square While Keeping New Yorkers Out
Joel Pollak
Breitbart
January 1, 2021

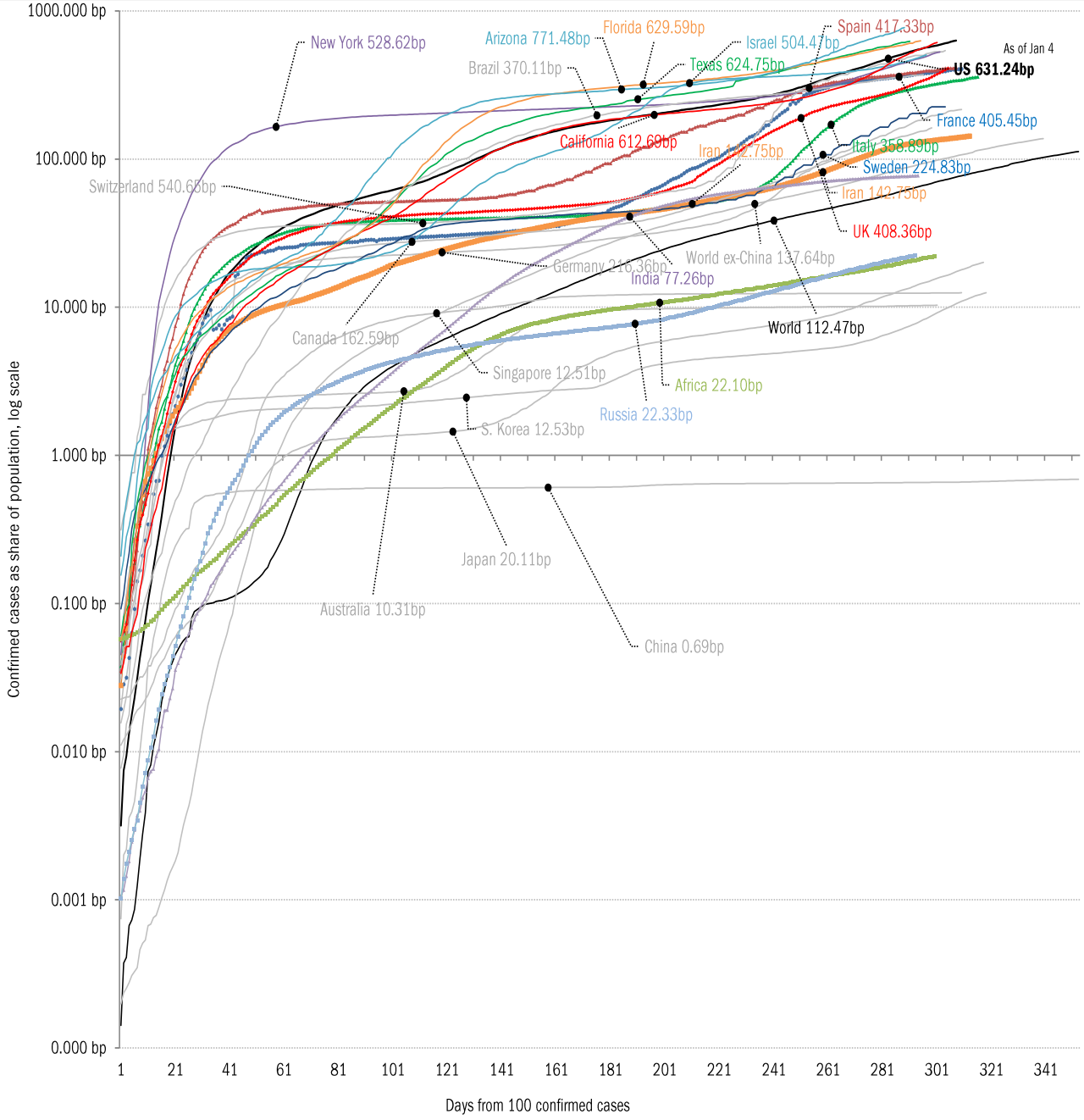
Why California became the nation's coronavirus epicenter
Tatiana Sanchez
San Francisco Chronicle
December 31, 2020

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

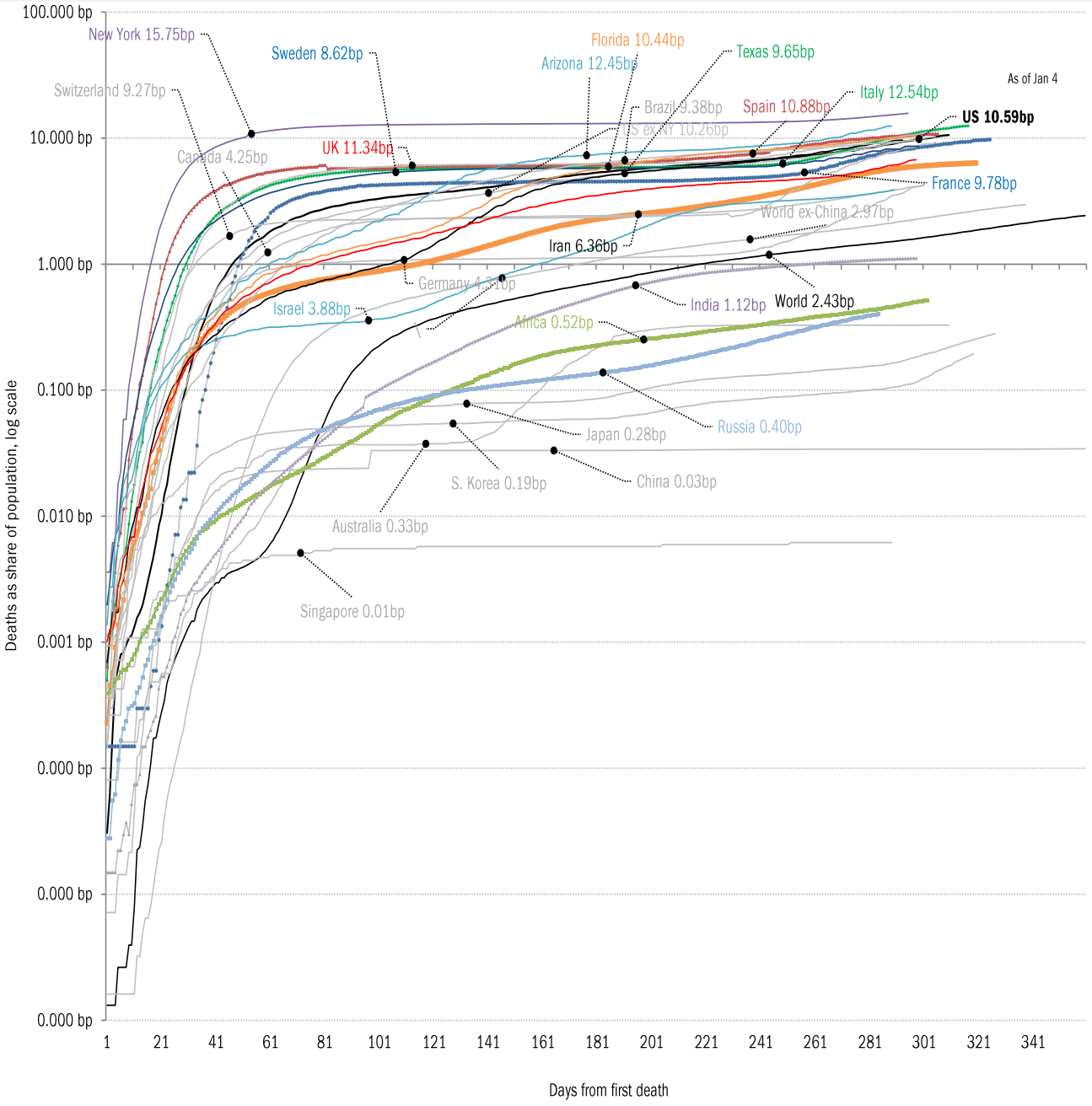
Share of infected population from first day with 100 confirmed cases, log scale



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

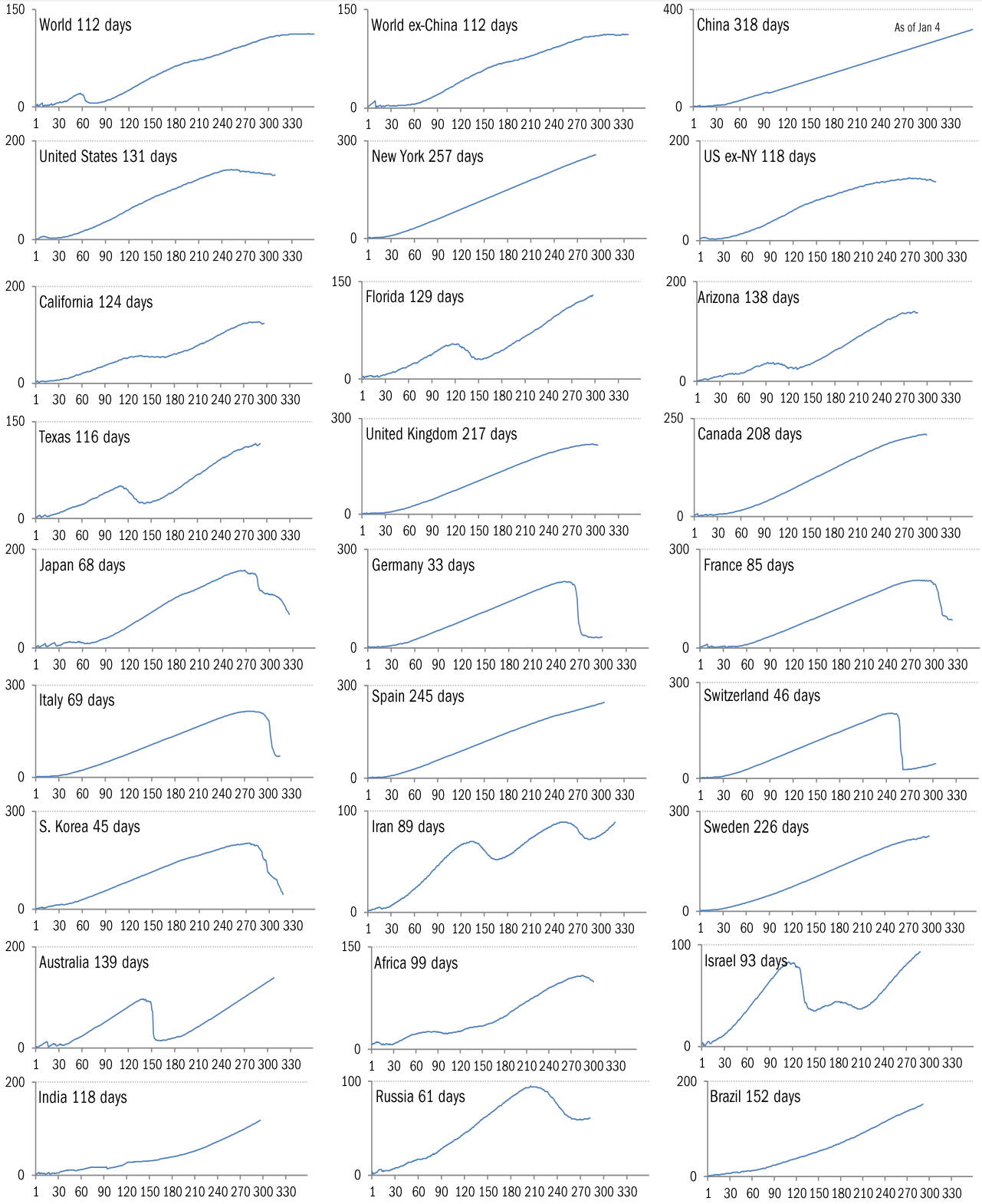


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

"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

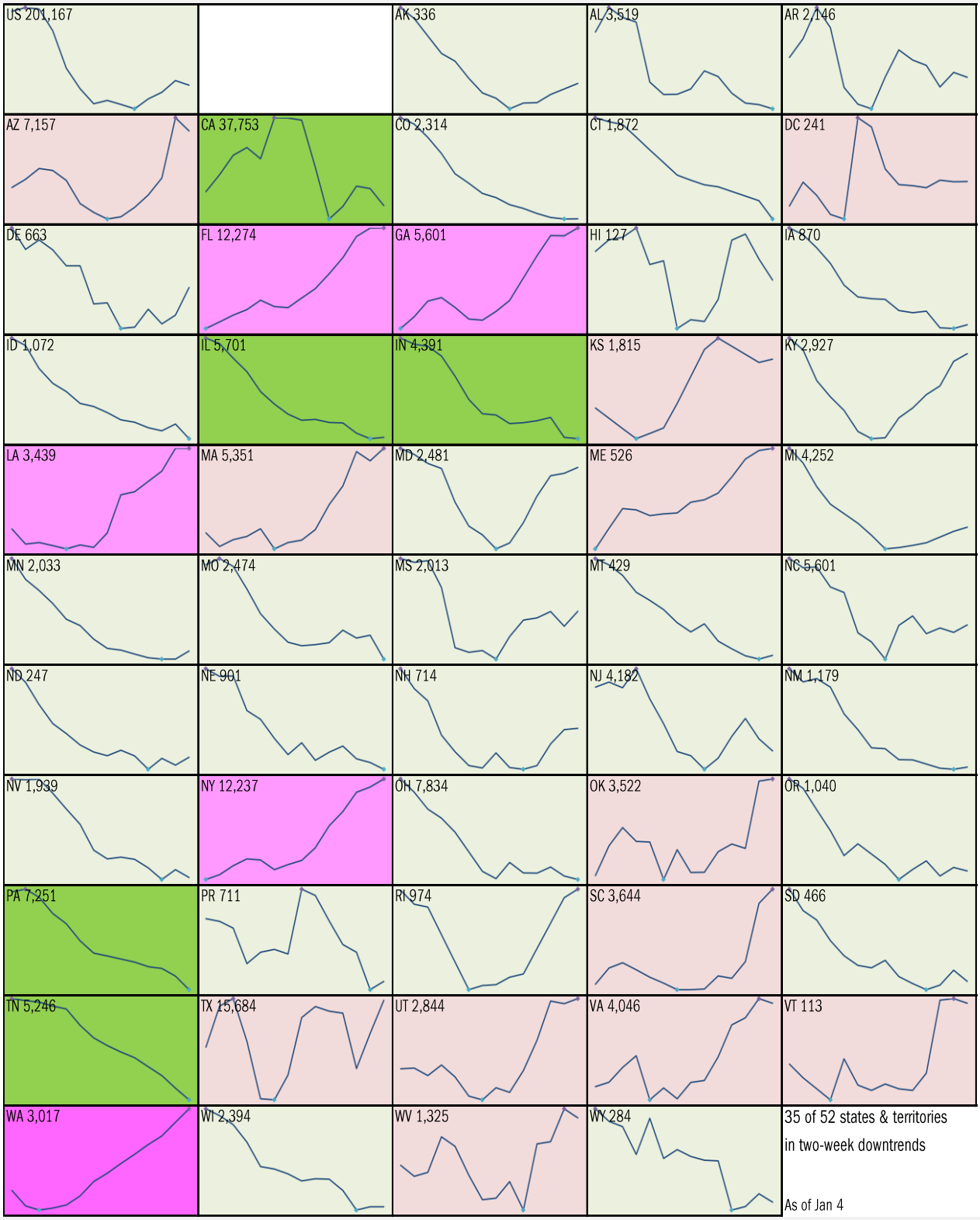


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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

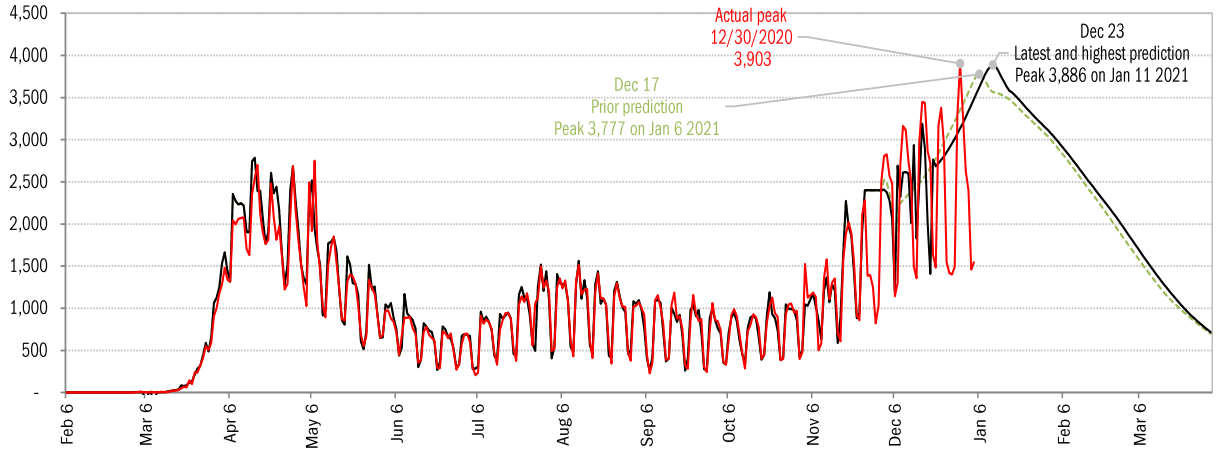
Downward trajectory Five best Upward trajectory Five worst

Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

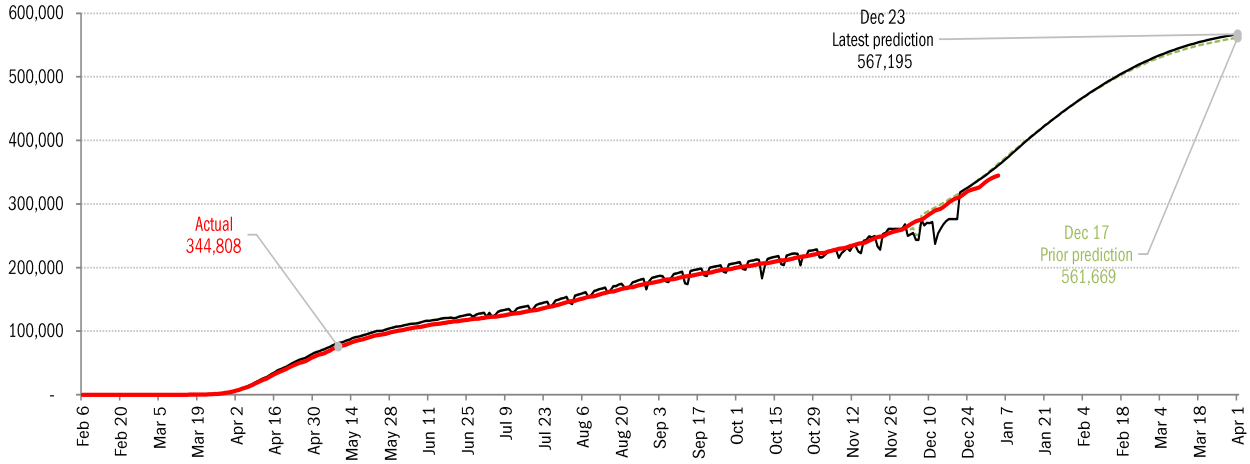
New daily fatalities As of Jan 4

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

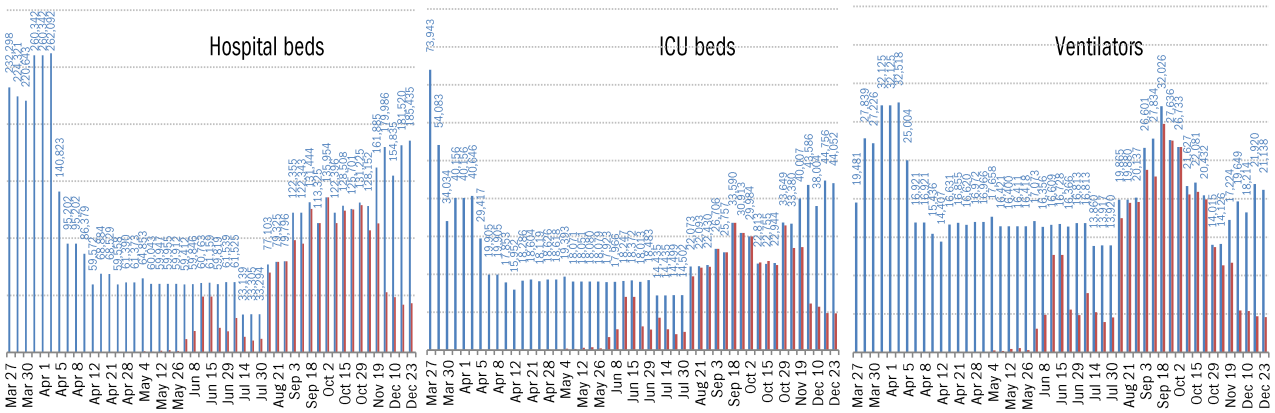


Cumulative fatalities

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

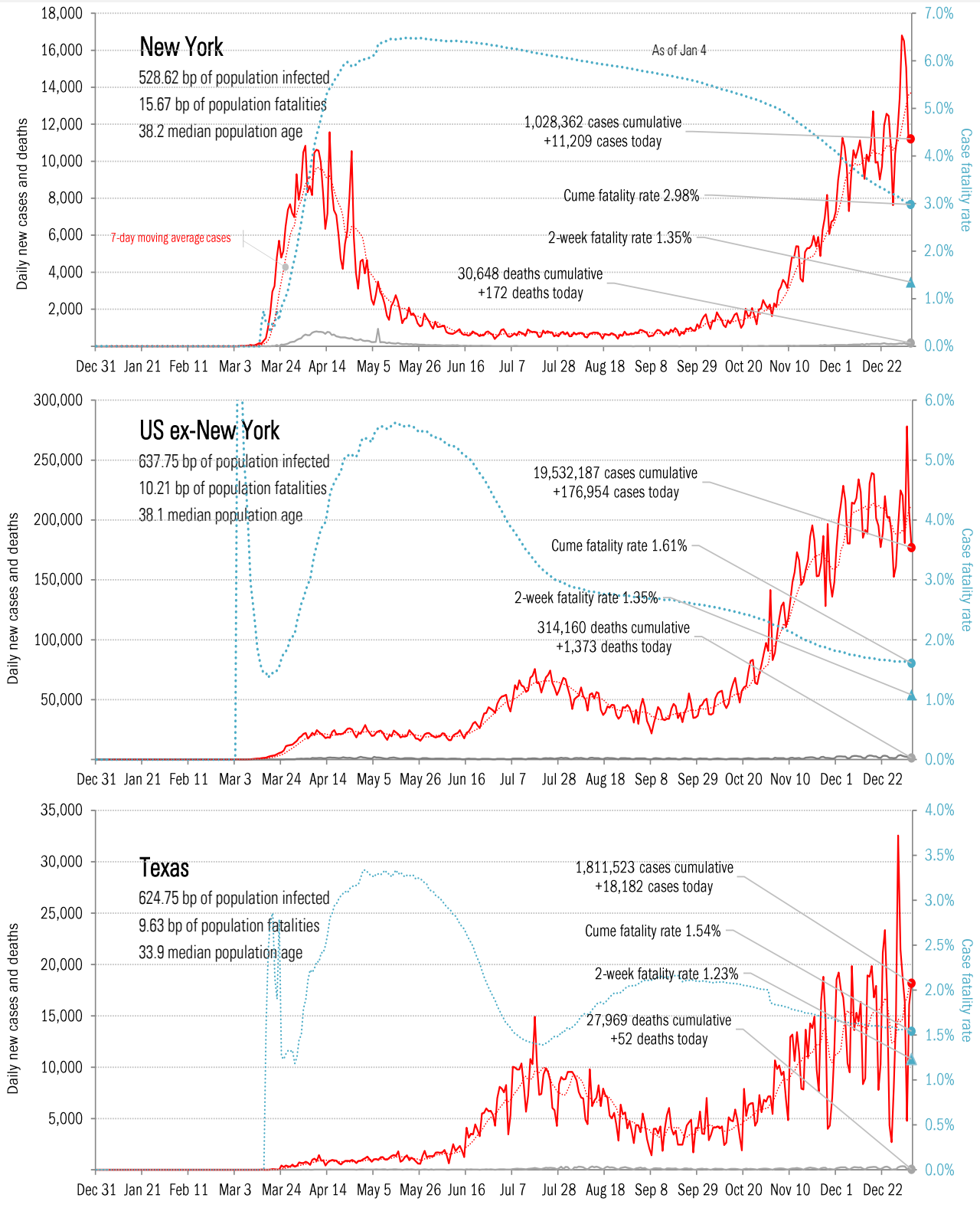


Healthcare system stress, peak and ultimate estimated at each model revision



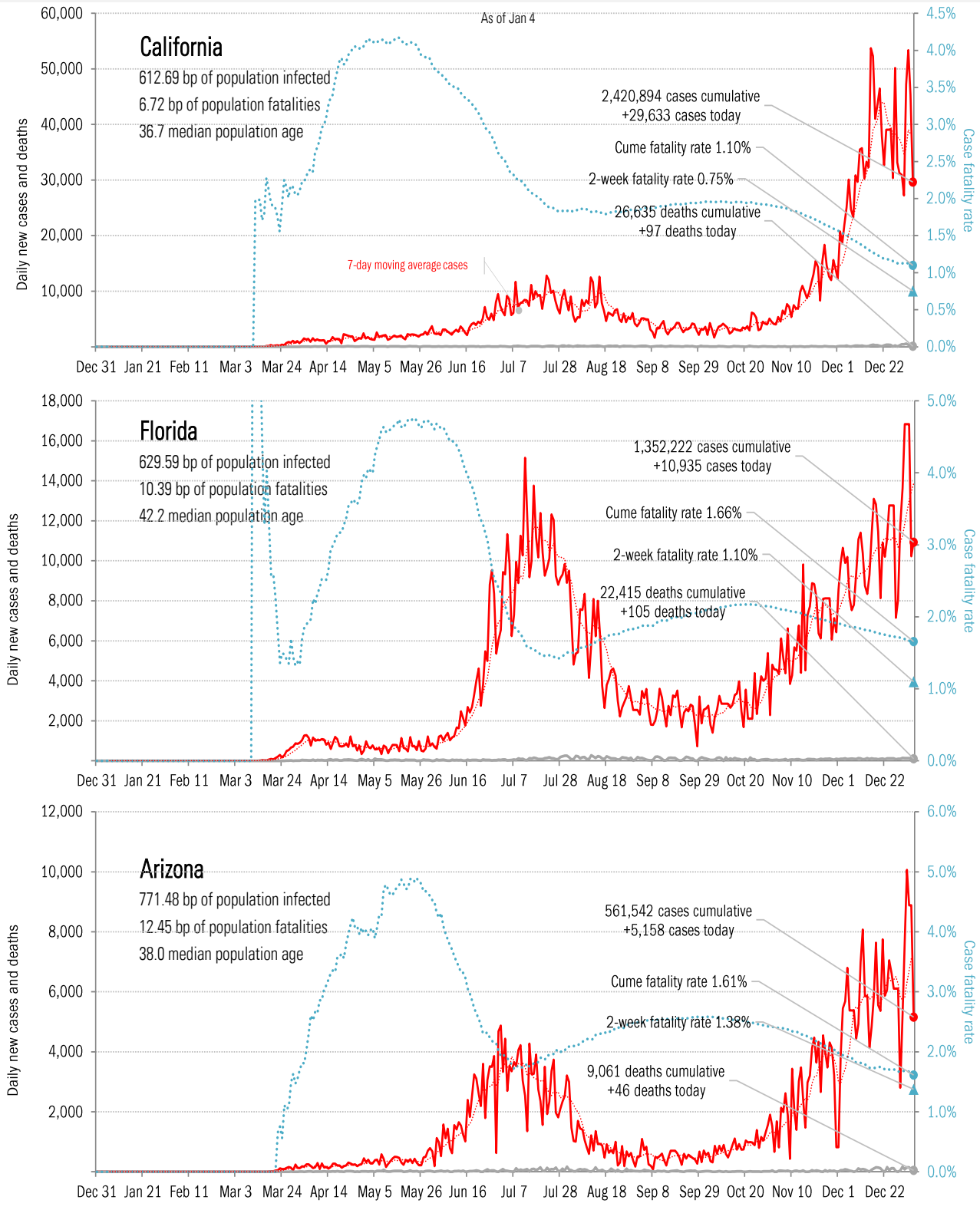
Source: IHME, Covid Tracking Project, TrendMacro calculations

From Ground Zero to the Rio Grande



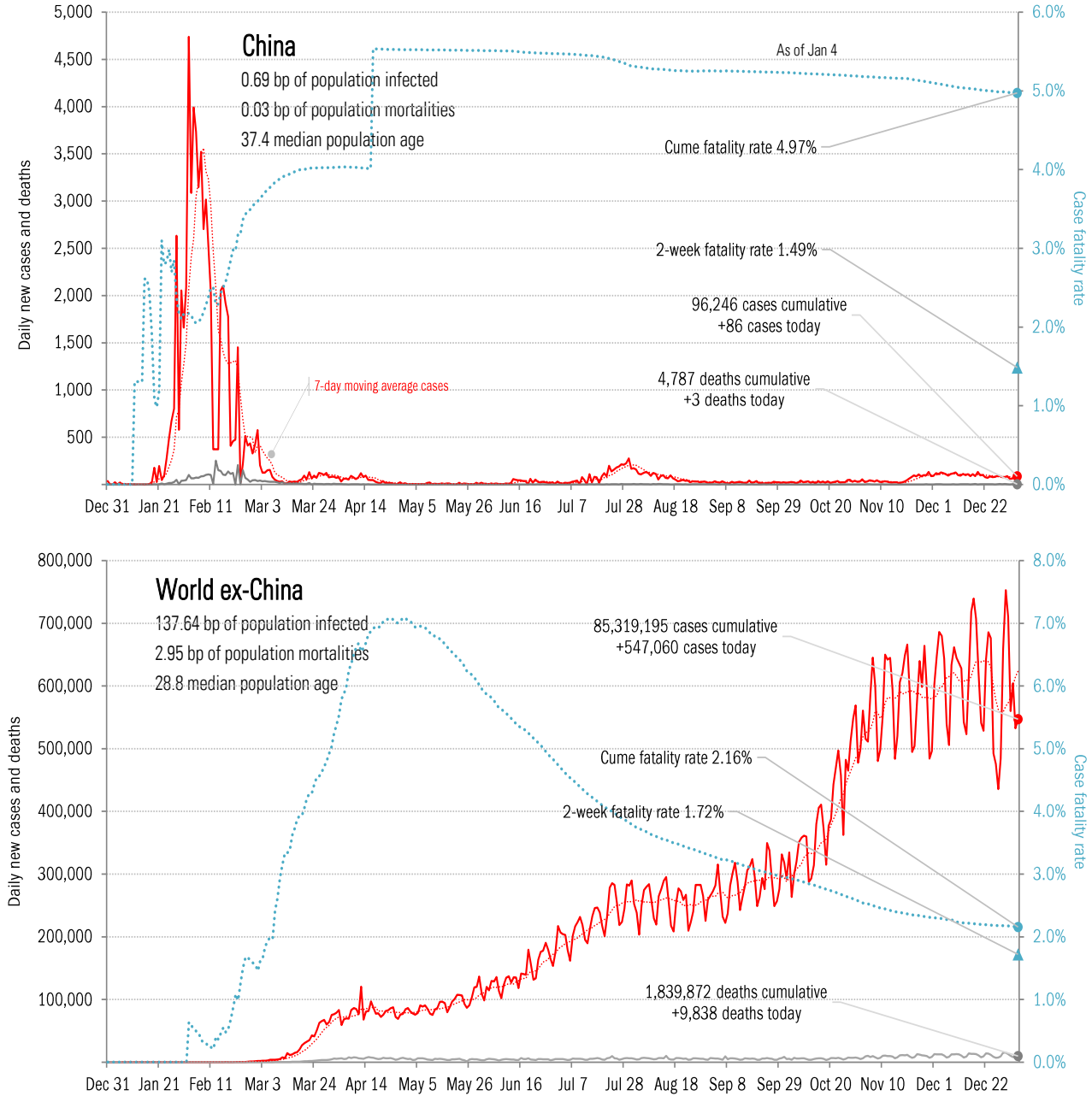
Source: Covid Tracking Project,, TrendMacro calculations

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



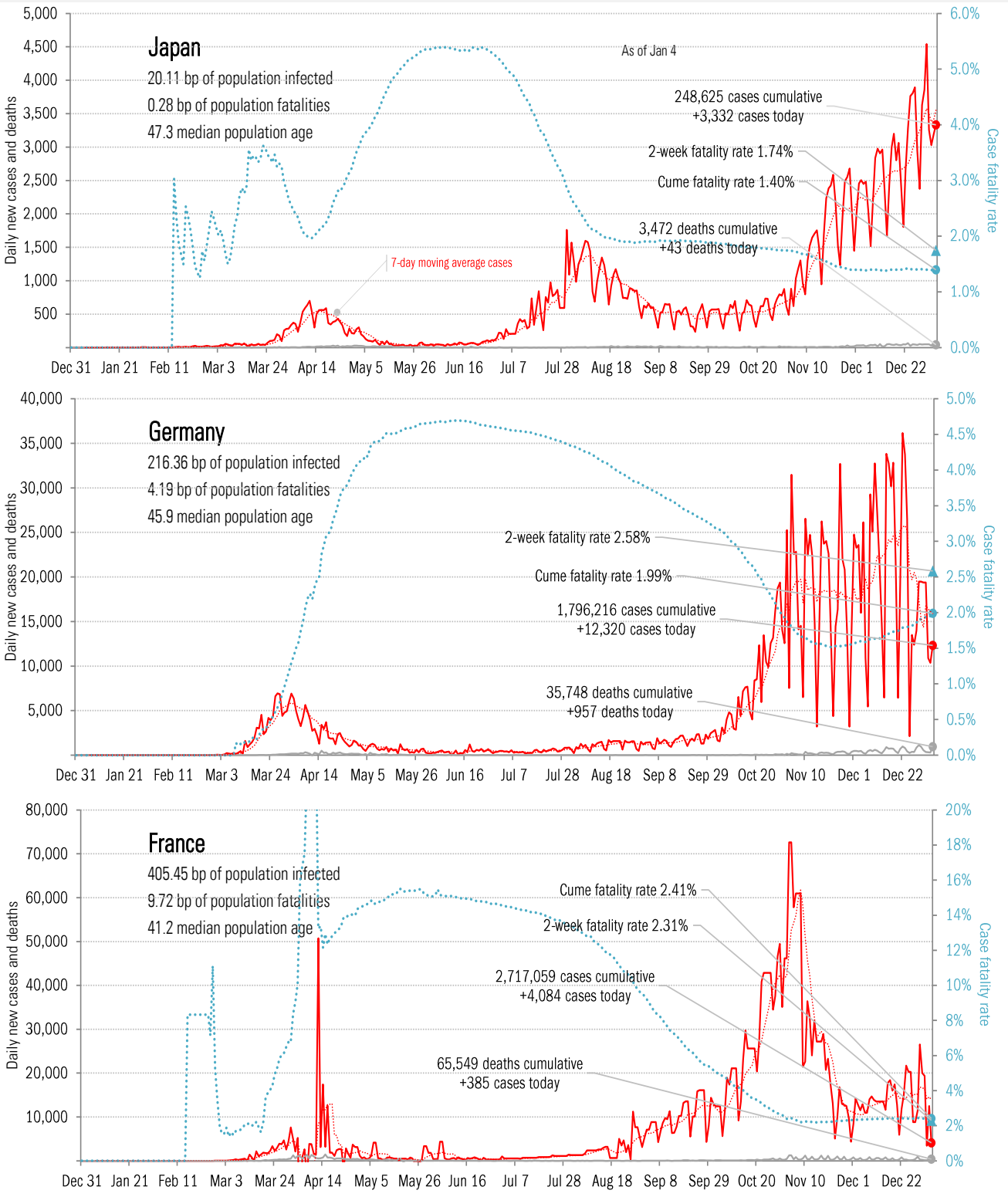
Source: Covid Tracking Project,, TrendMacro calculations

Patient zero… and then everyone else



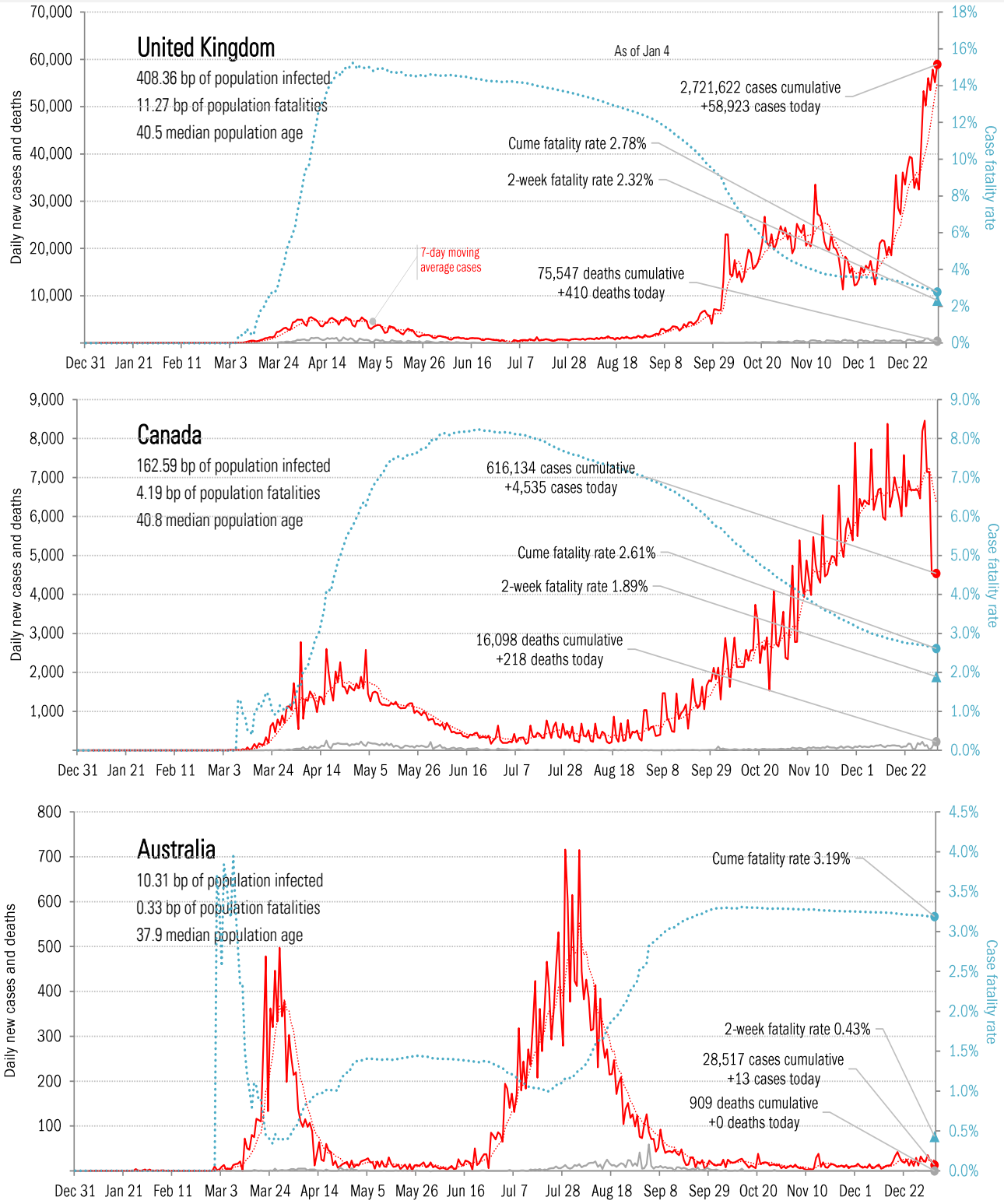
Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

Impact in the largest economies



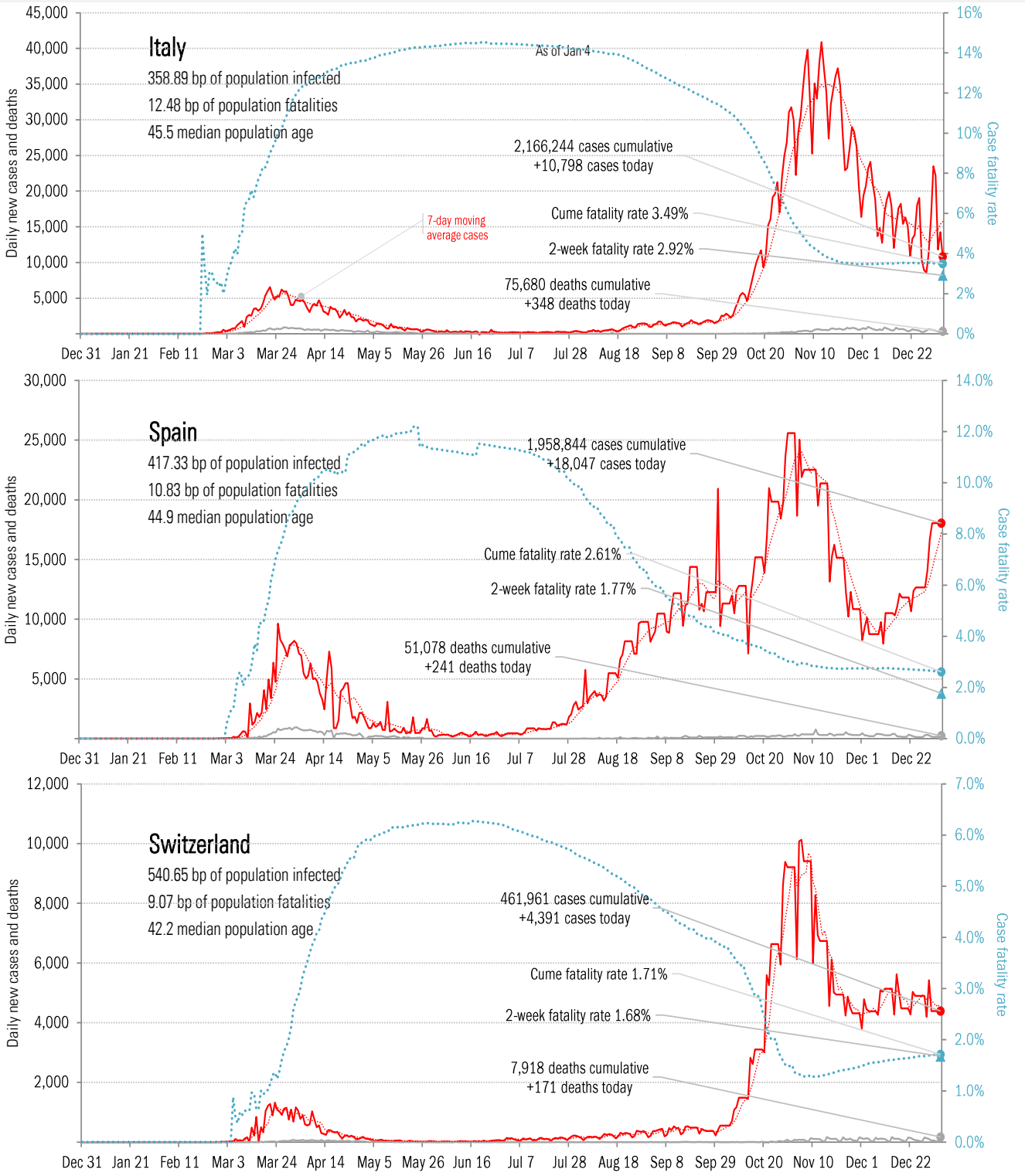
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere



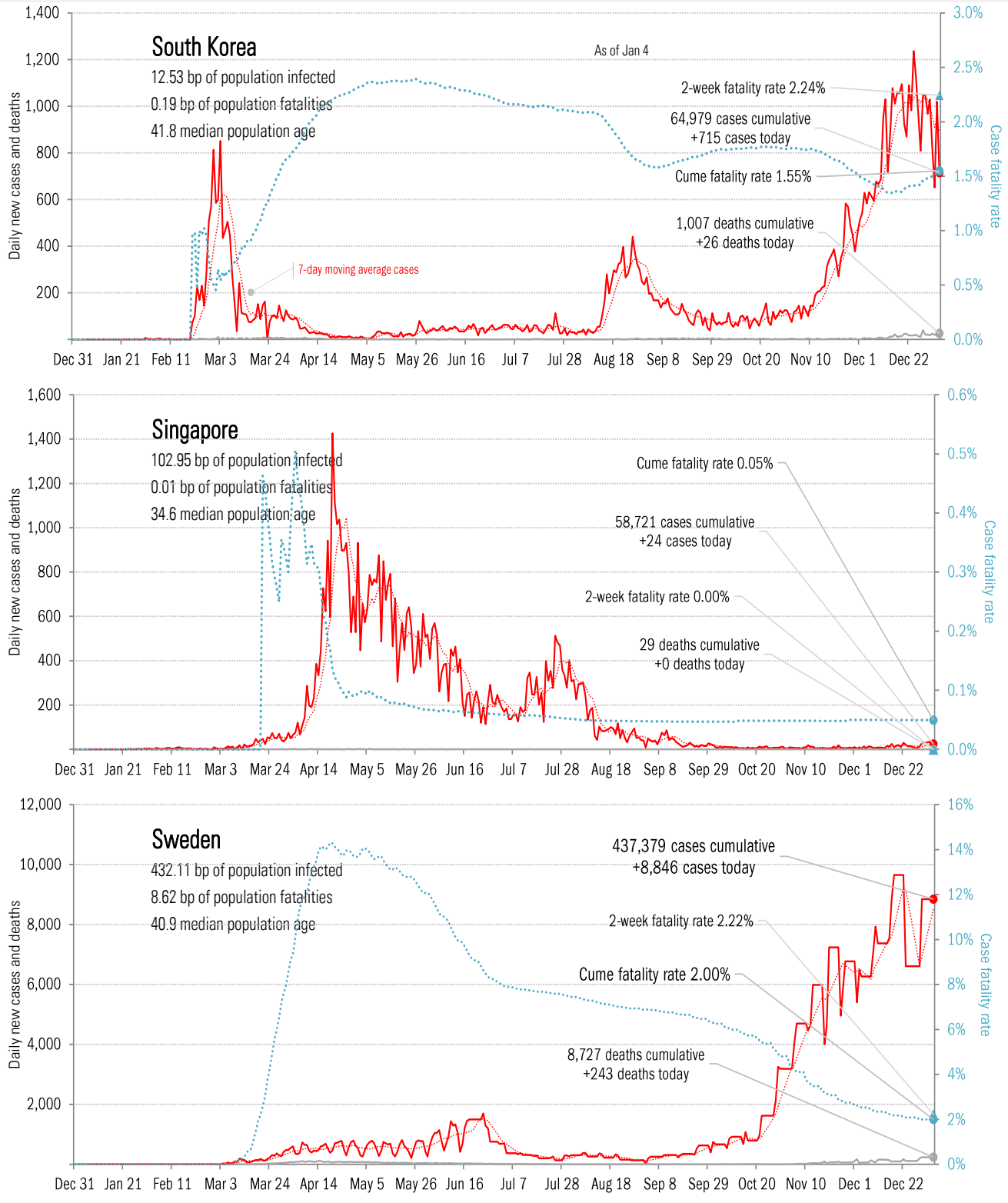
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



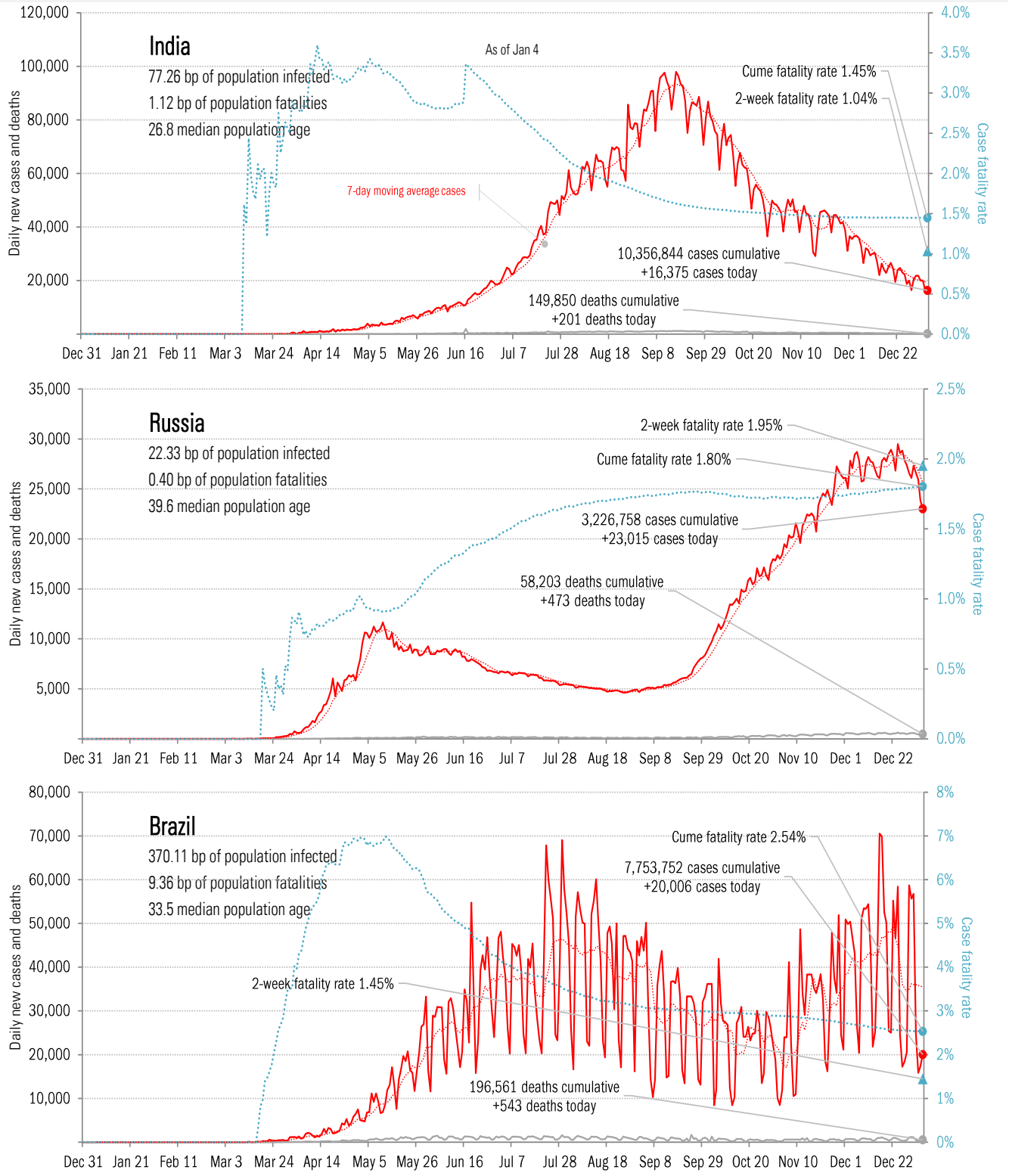
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



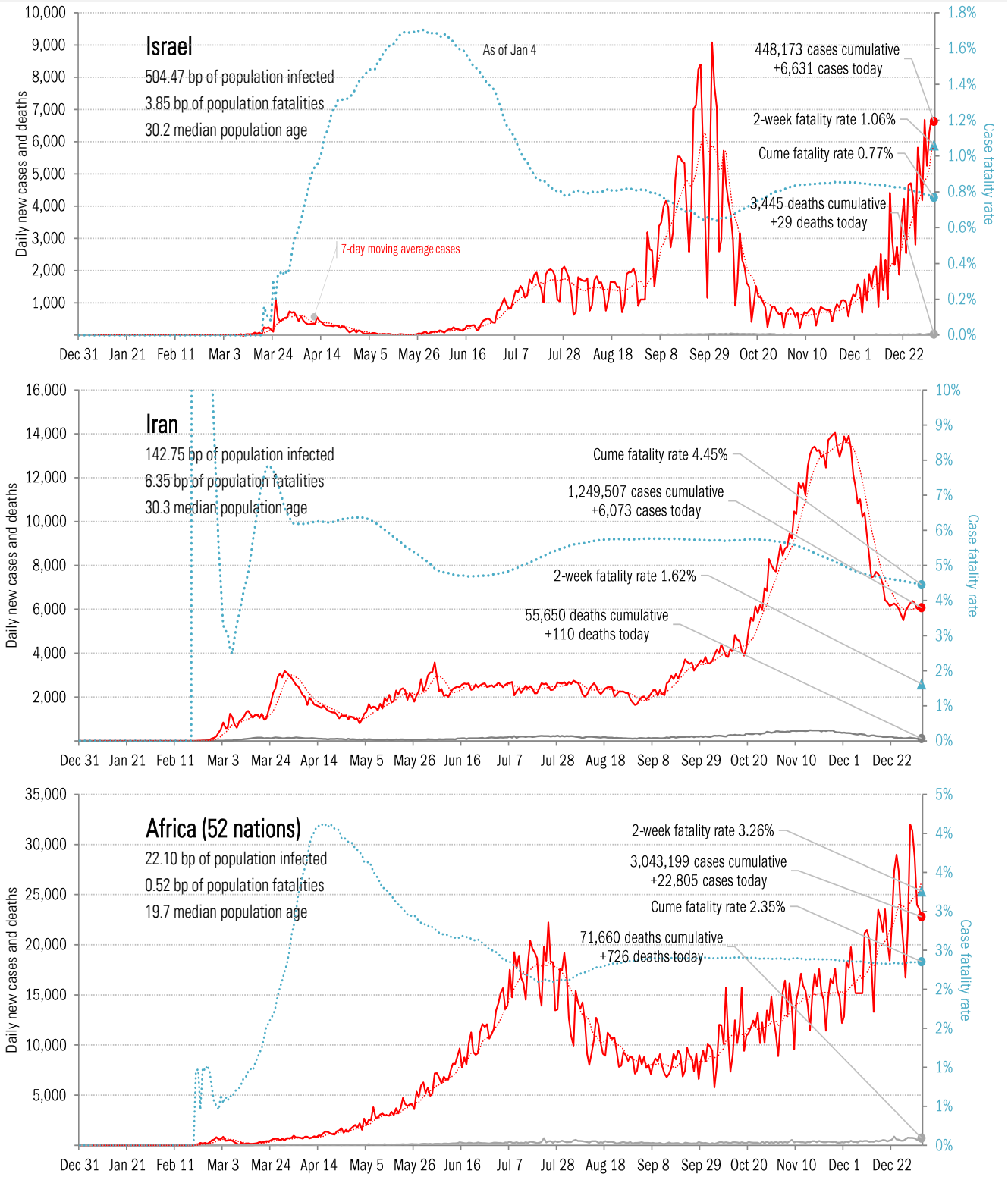
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations