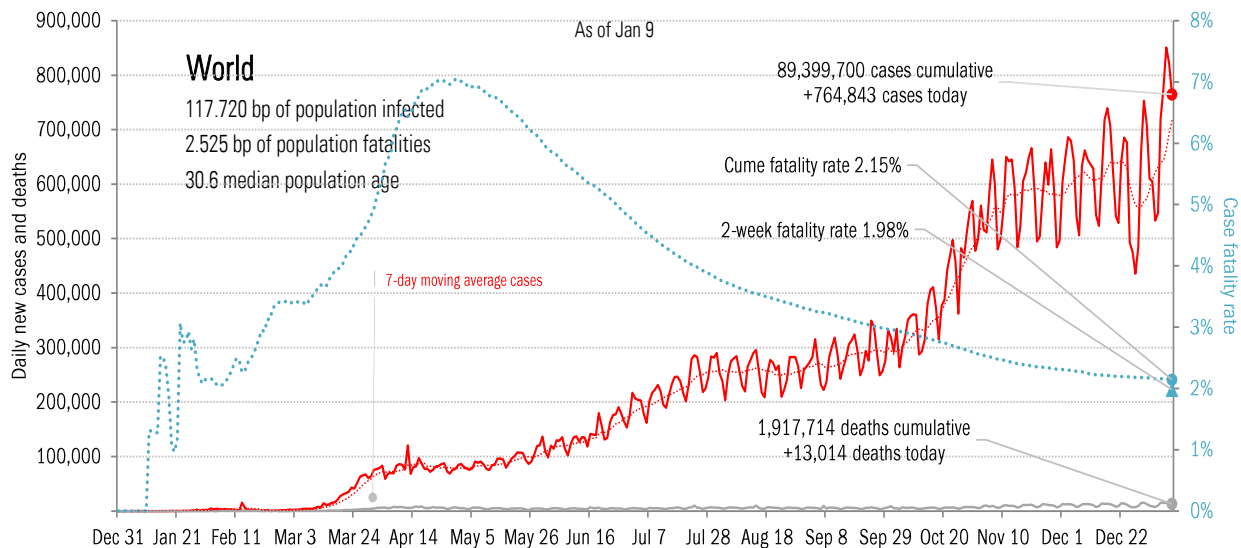
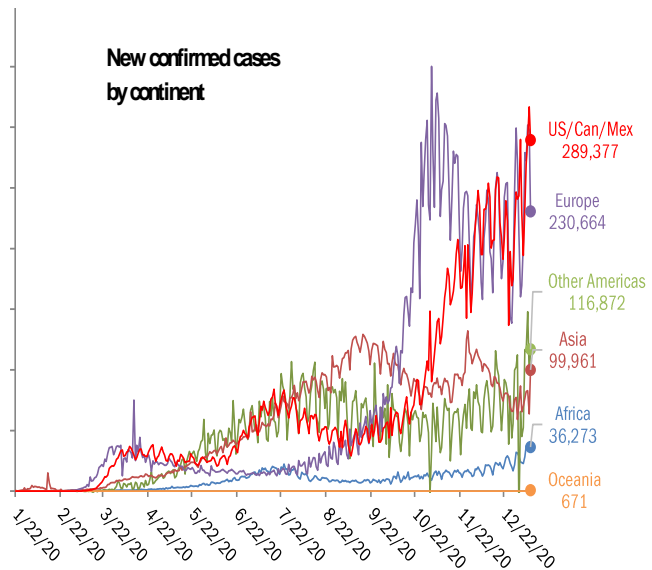


Data Insights: Covid-2019 Monitor

Sunday, January 10, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+264,879	United States	+3,544
Brazil	+62,290	Brazil	+1,171
United Kingdom	+60,098	Mexico	+1,135
India	+36,867	United Kingdom	+1,035
Russia	+23,012	Germany	+575
Germany	+22,824	Italy	+483
South Africa	+21,606	Russia	+456
France	+20,177	Poland	+437
Italy	+19,976	India	+429
Mexico	+16,105	South Africa	+399
+547,834		+9,664	
World	+764,843	World	+13,014
Top ten	72%	Top ten	74%



Source: [Johns Hopkins](#), [Covid Tracking Project](#), 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

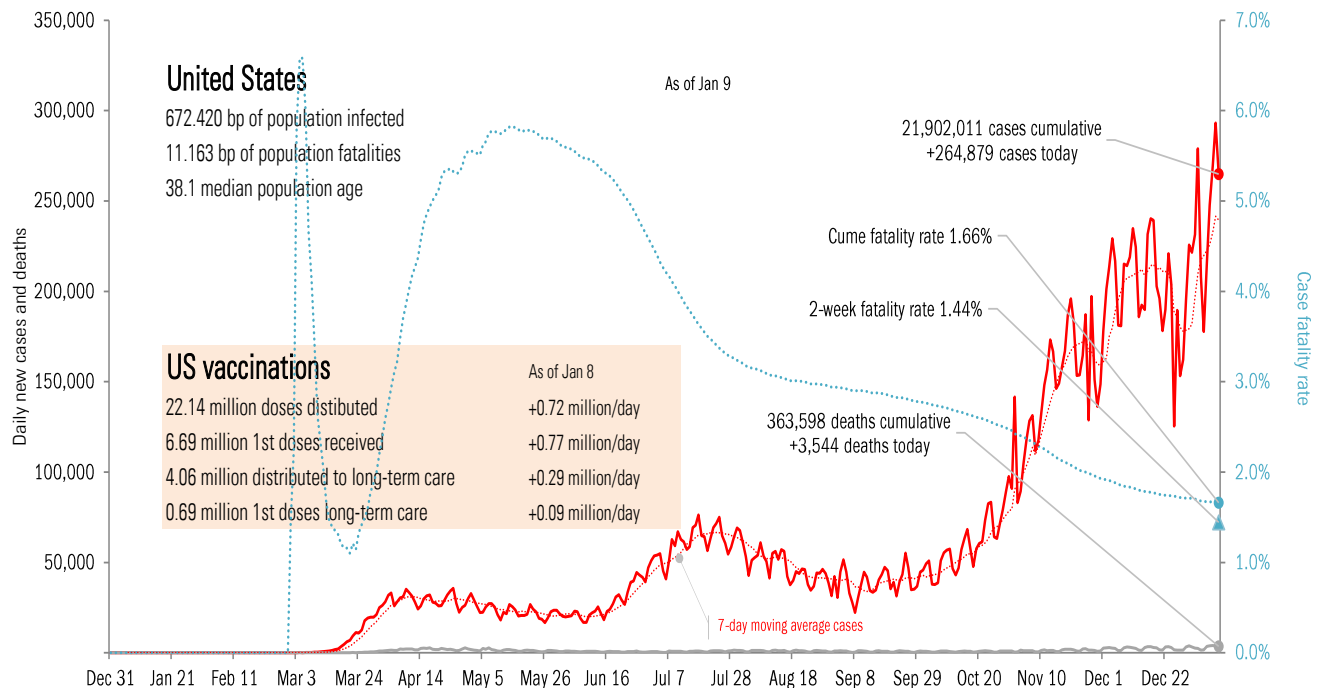
The ten worst US states

New cases			New Deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
CA	+52,636		CA	+695		FL	+48		CA	2,621,277		NY	31,519		NY	89,995		RI	90%	AL	96%
TX	+23,290		TX	+381		VA	+41		TX	1,938,551		TX	29,691		FL	66,332		GA	89%	GA	94%
NY	+16,943		PA	+273		TX	+14		FL	1,438,579		CA	29,233		NJ	53,171		SC	88%	RI	91%
FL	+15,069		MI	+232		DE	+13		NY	1,111,087		FL	23,150		GA	44,510		MD	86%	OK	91%
NC	+11,581		NY	+190		AZ	+11		IL	1,024,039		NJ	19,854		AZ	43,095		DC	84%	CA	89%
AZ	+11,094		GA	+143		DC	+9		OH	770,977		IL	19,210		CH	41,057		FL	83%	NM	89%
PA	+10,045		FL	+139		ID	+9		PA	713,310		PA	17,667		IN	36,959		CA	81%	TN	89%
GA	+8,957		AL	+108		FR	+6		TN	646,450		MI	14,145		AL	36,754		PA	81%	TX	88%
CH	+8,374		IL	+102		VT	+5		GA	629,204		MA	13,074		MD	28,296		AZ	81%	MS	87%
NJ	+7,427		AZ	+98		AR	+4		NC	614,355		GA	11,457		MN	22,699		MA	81%	SC	87%
+165,416			+2,361			+160			11,507,829			209,000			462,868			All states 76%		80%	
All states +264,879			+3,544			-1108			All states 21,902,011			363,598			727,431			All states 76%		80%	
Top ten 62%			67%			-14%			Top ten 53%			57%			64%			Median 73%		78%	

Some states not reporting

Five most improved US states

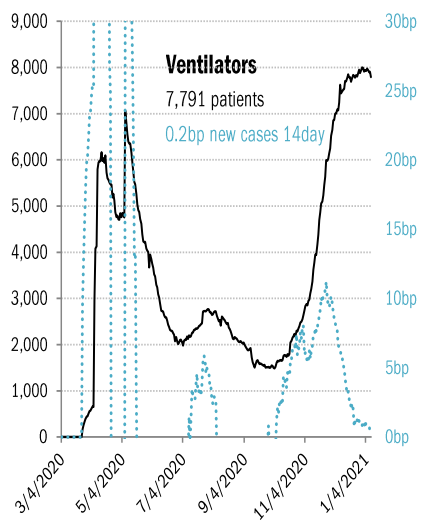
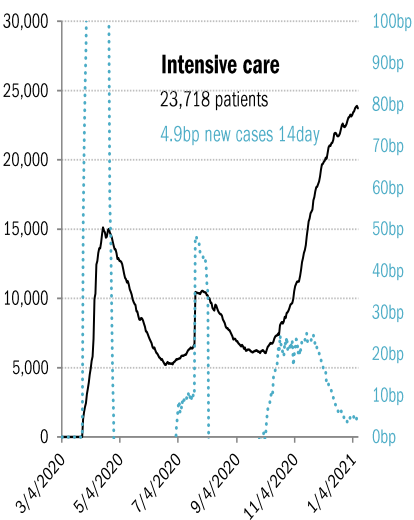
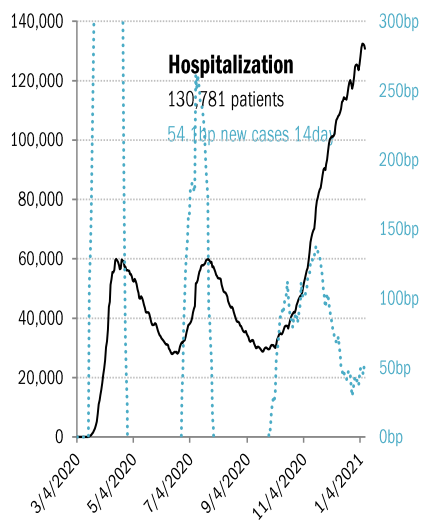
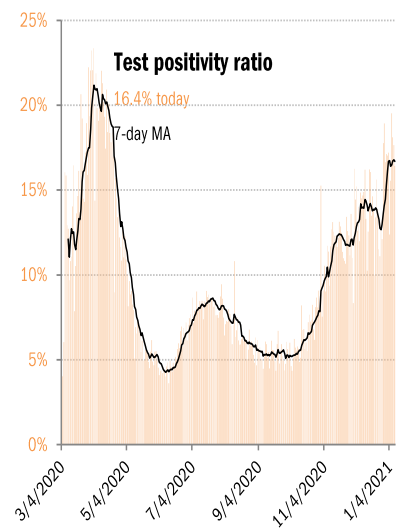
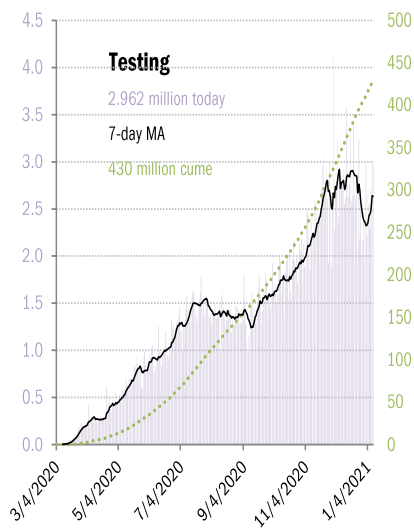
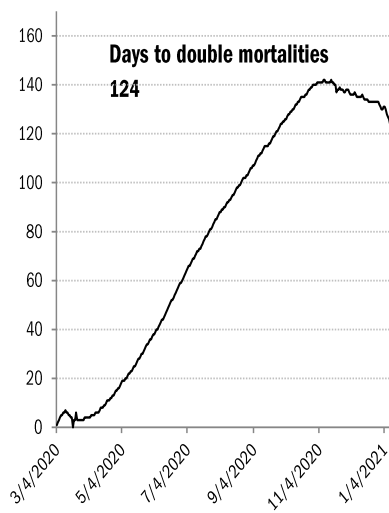
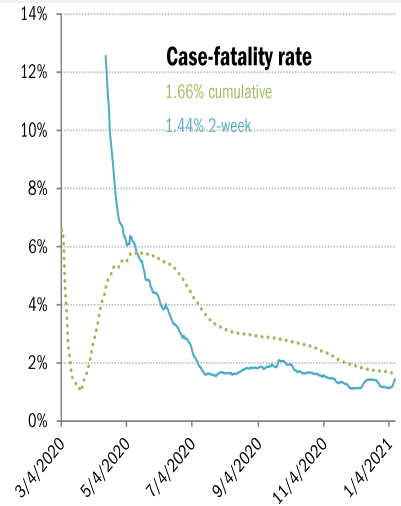
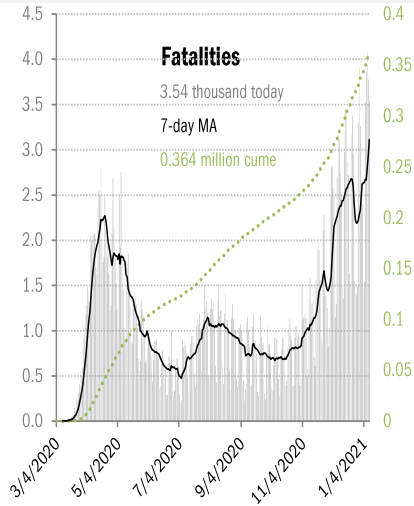
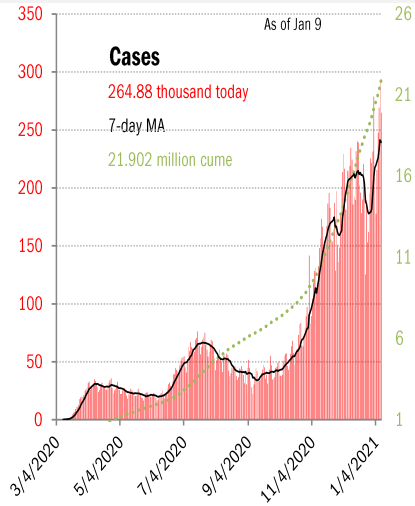
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-5,504	NE	-186	CA	-221	MI	+51,468
FL	-4,067	KS	-121	GA	-155	TX	+12,520
LA	-3,377	LA	-105	TX	-123	CH	+7,779
CT	-3,236	AZ	-99	NC	-89	PA	+7,107
IL	-2,560	IL	-65	AL	-82	WI	+3,316



Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

US deep-dive

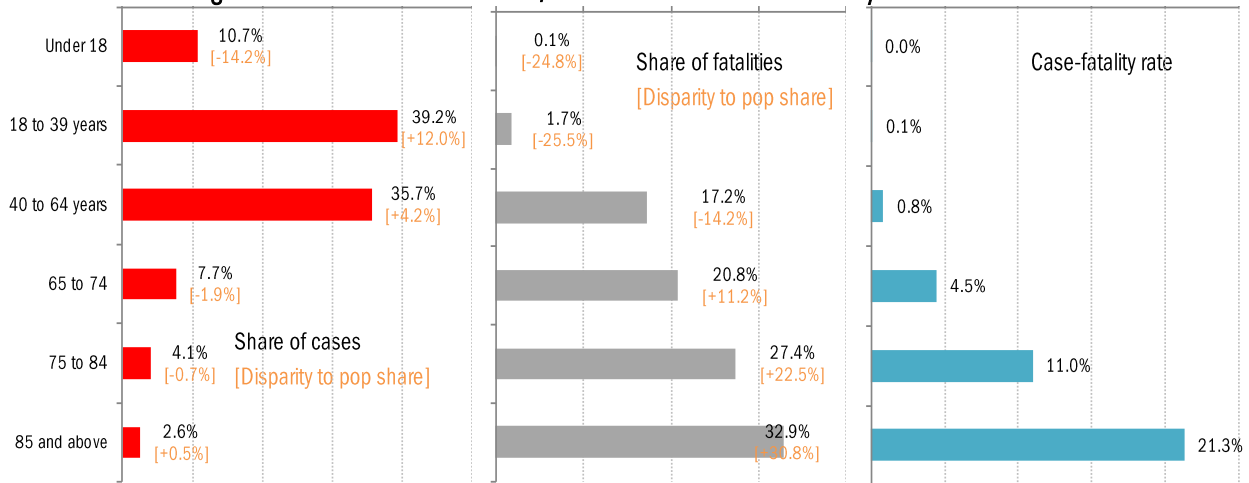
National and state-by-state data do not line up because of different sources



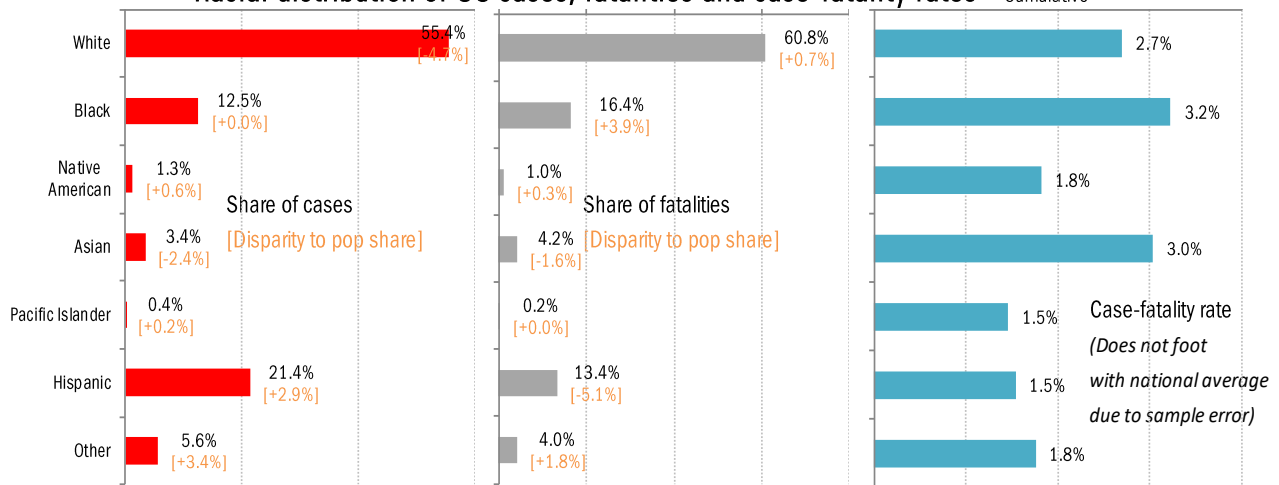
Source: [Covid Tracking Project](#), TrendMacro calculations

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

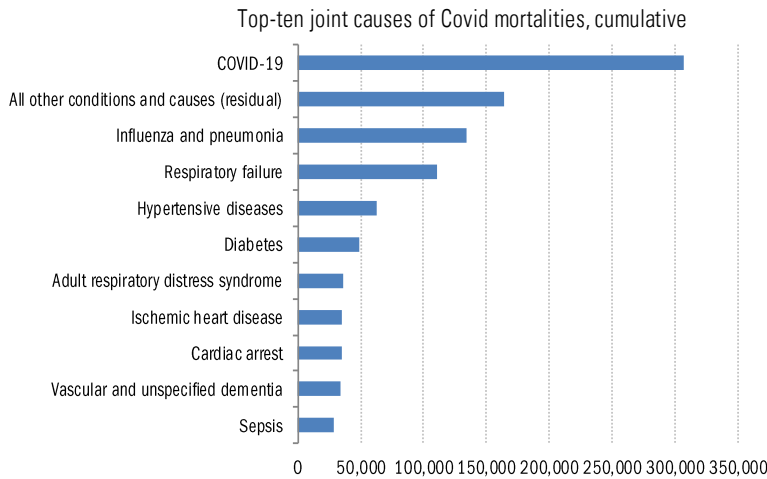
Age distribution of US cases, fatalities and case-fatality rates



Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities



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

[I Now Better Understand the 'Good German'](#)

Right and Free
Dennis Prager
January 5, 2020

[Lockdowns Are Killing Young Adults](#)

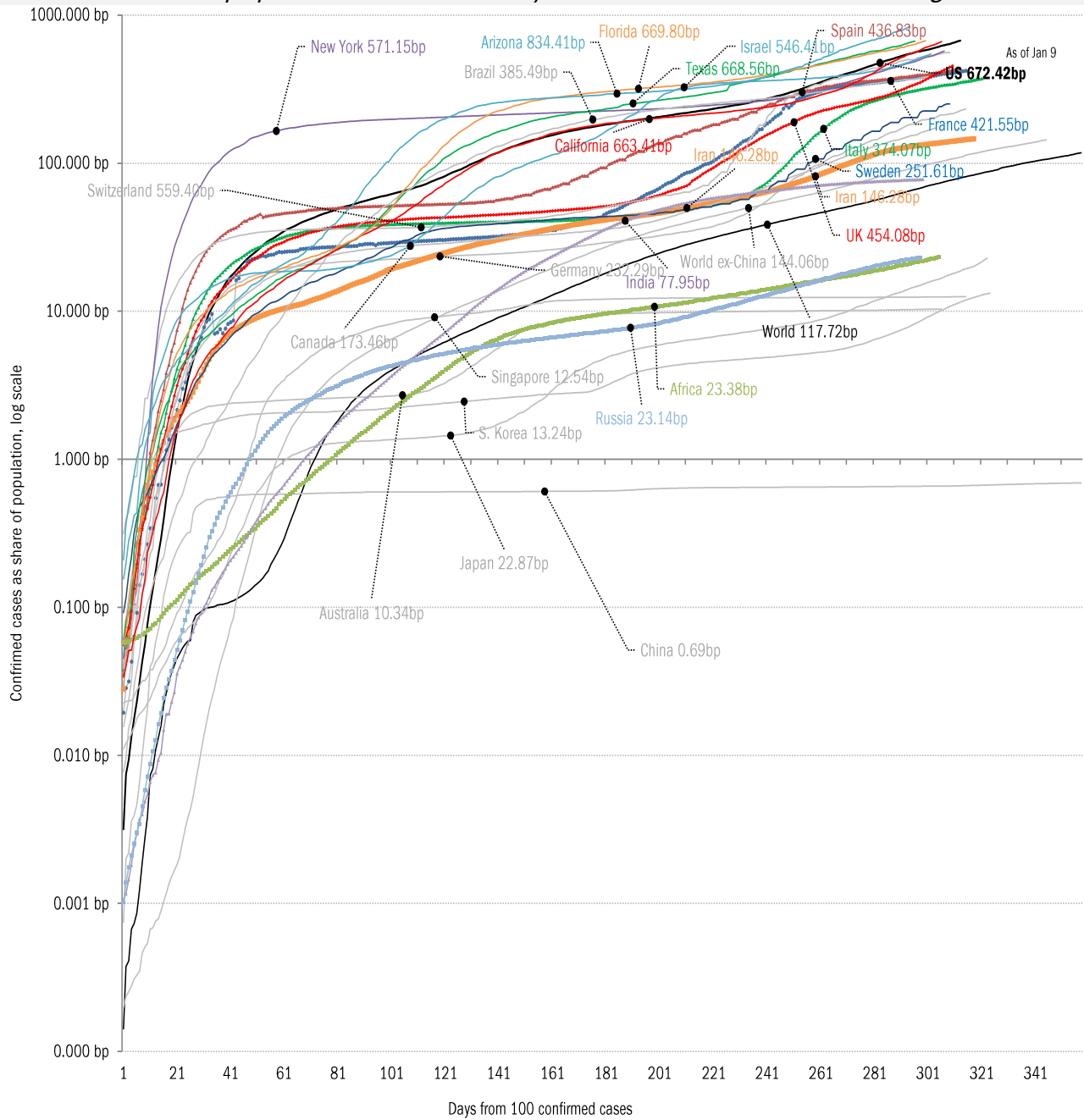
Phillip W. Magness
American Consequences
January 5, 2021

Meme of day



Source: Our beloved clients, and [Power Line blog "The Week in Pictures"](#)

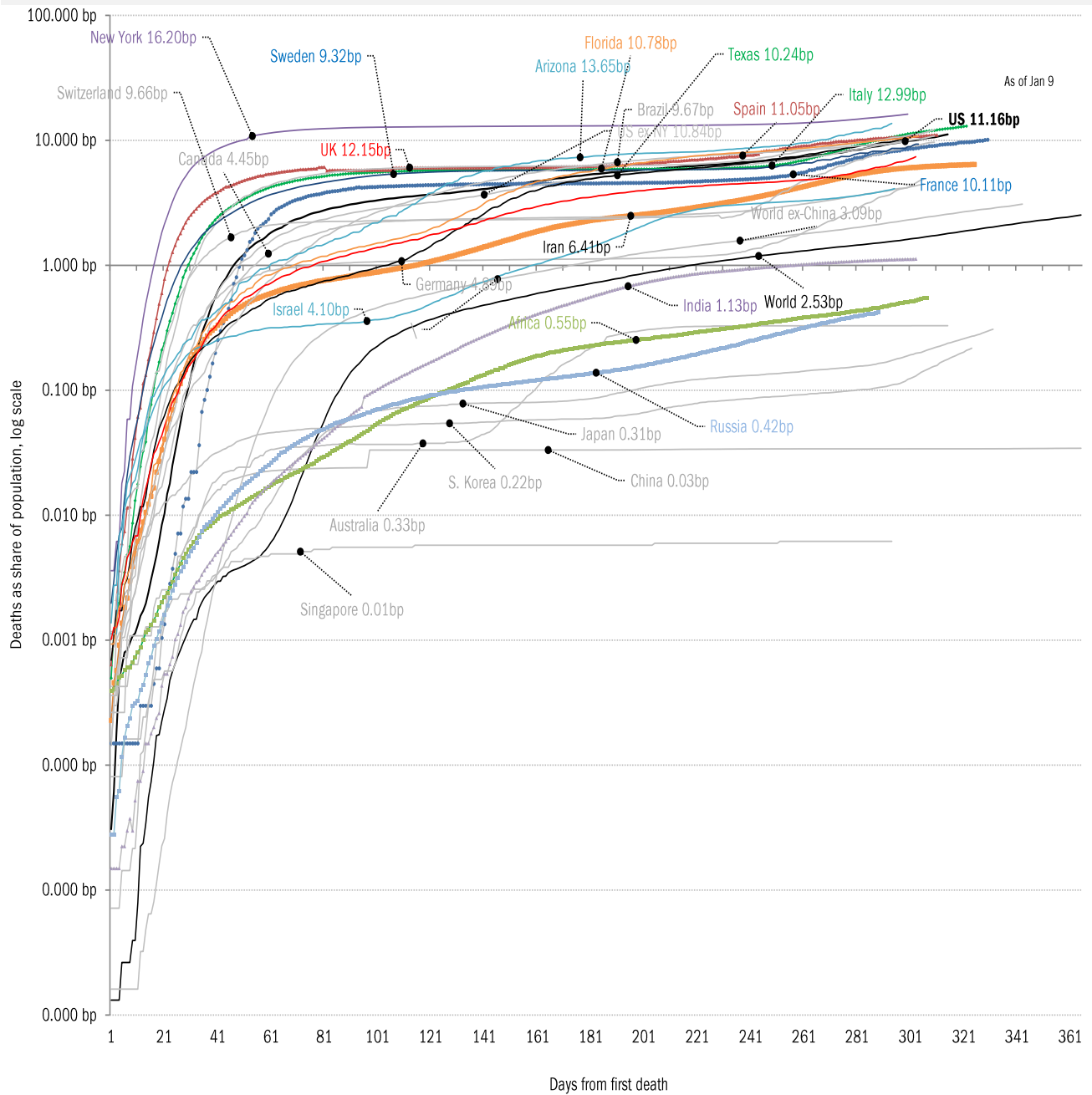
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

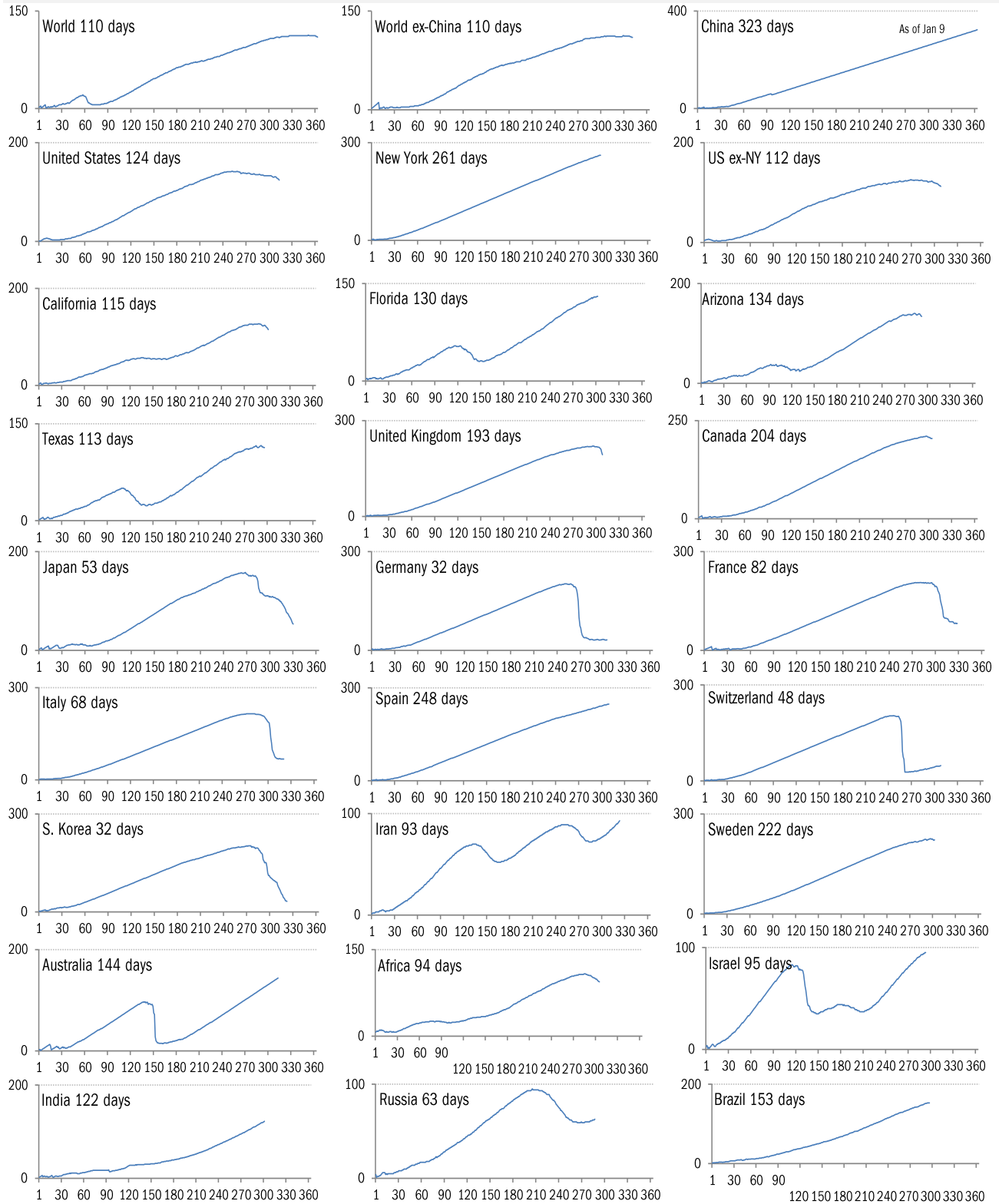


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

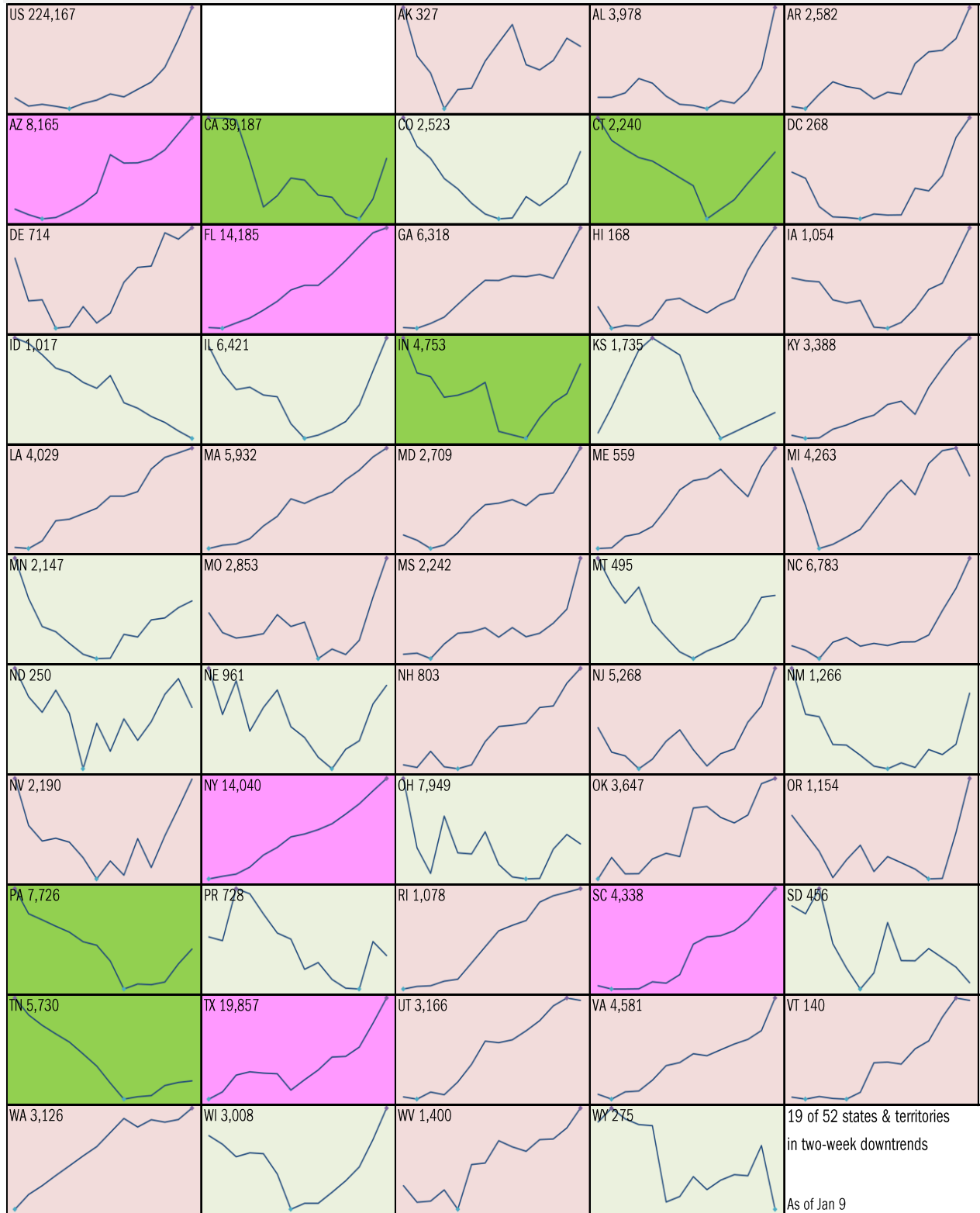


Source: [Johns Hopkins, Covid Tracking Project](#), TrendMacro calculations

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

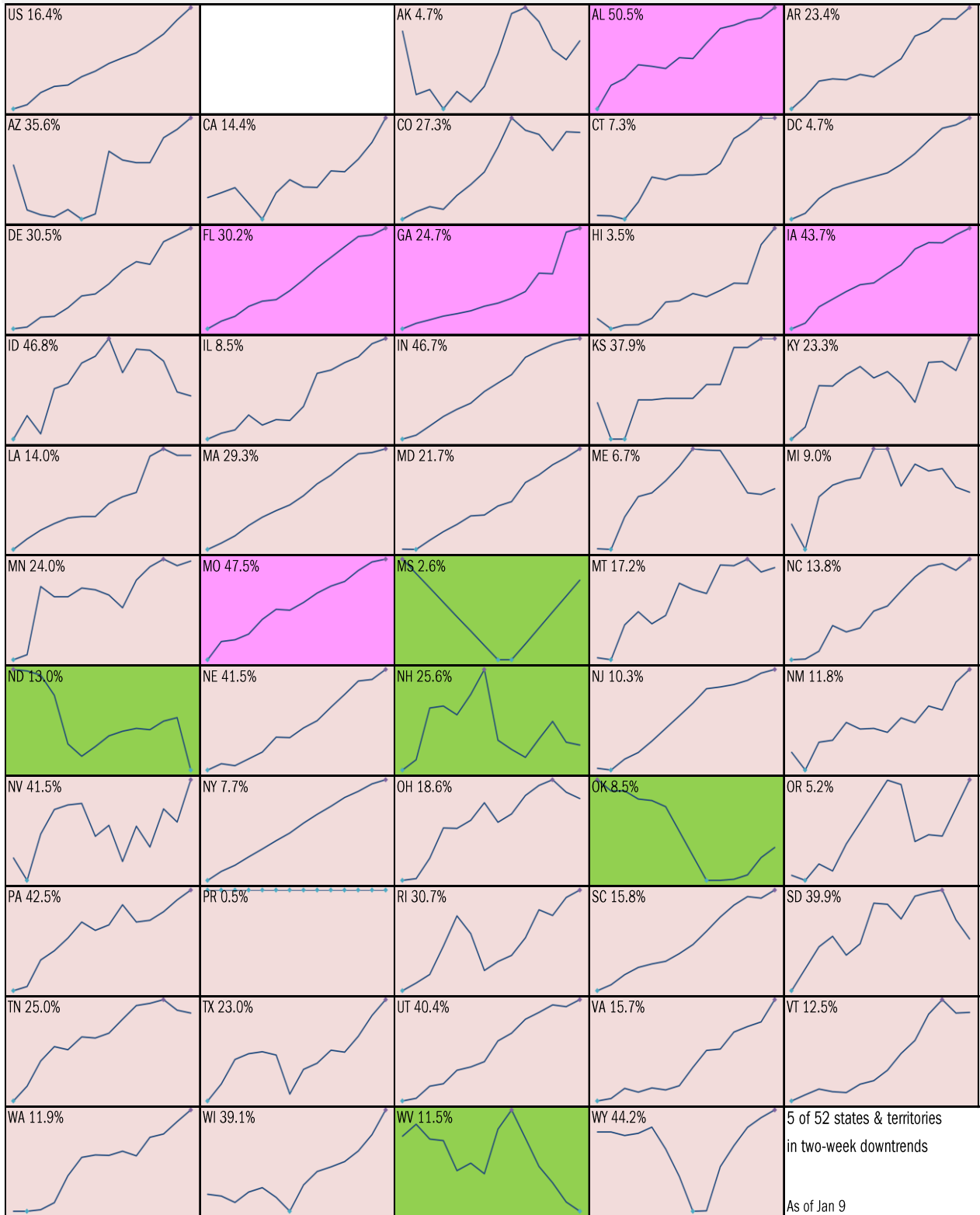


Source: [Covid Tracking Project](#), TrendMacro calculations

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



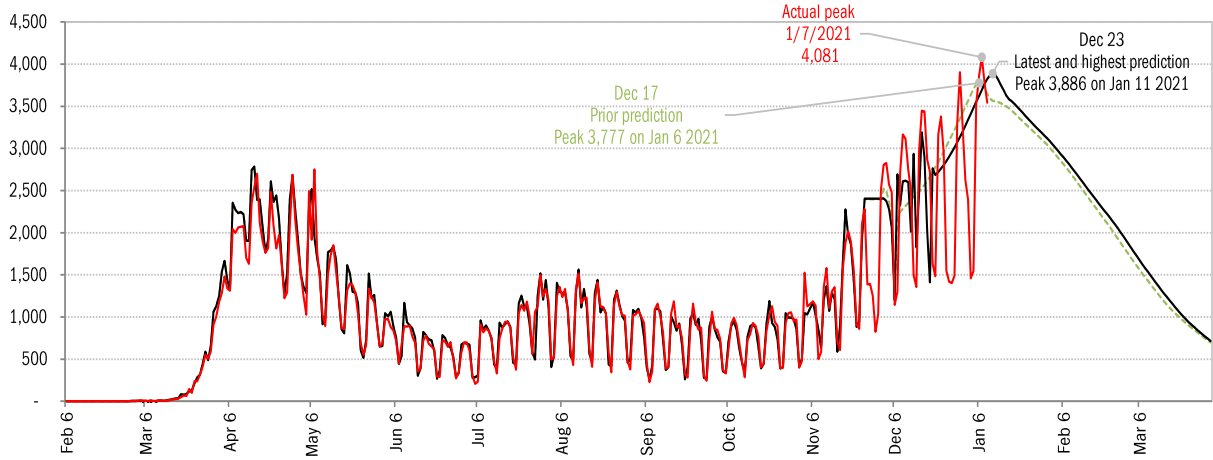
Source: [Covid Tracking Project](#), TrendMacro calculations

Reality-checking the models: actuals versus [IHME predictions](#)

New daily fatalities

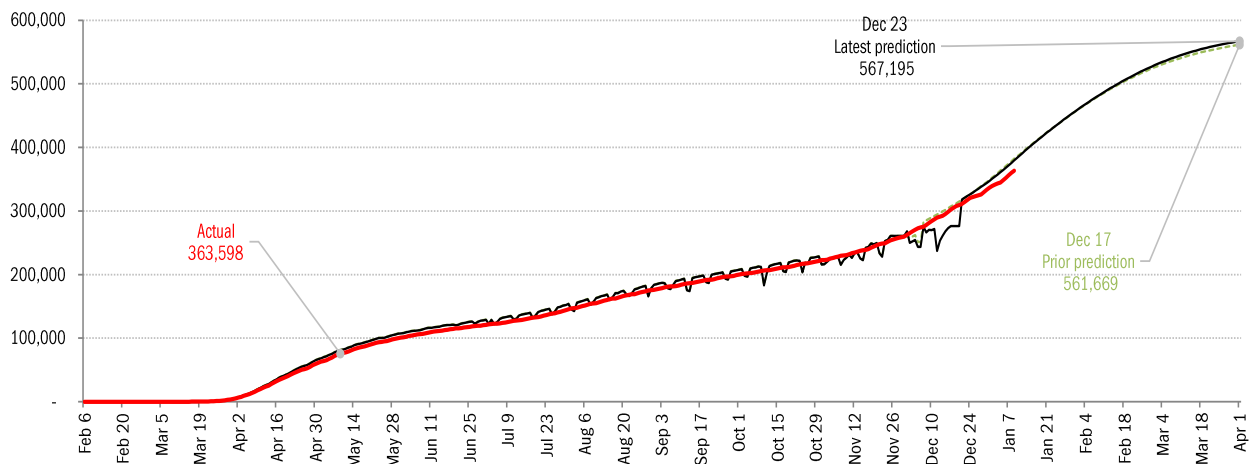
As of Jan 9

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

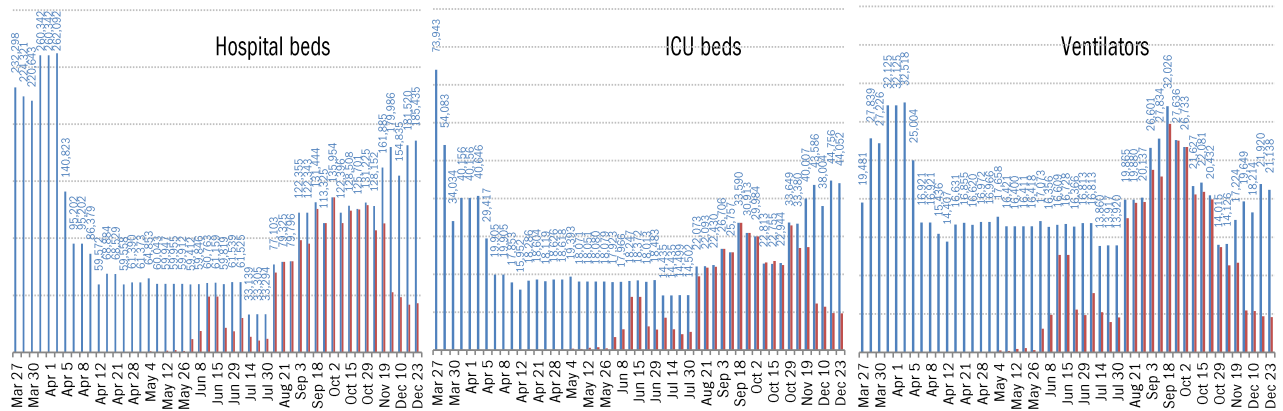


Cumulative fatalities

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

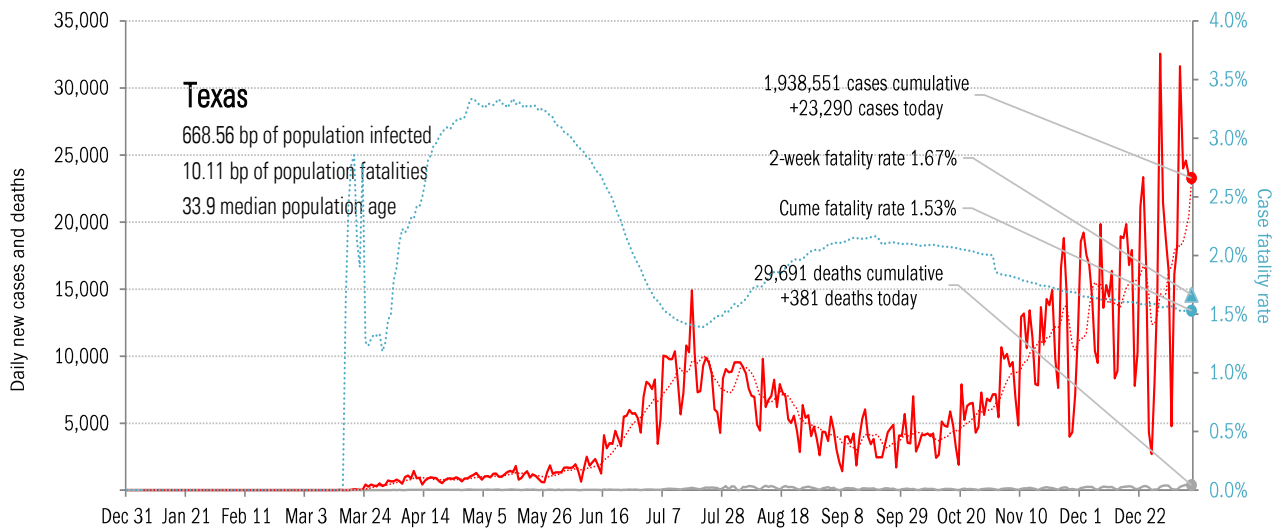
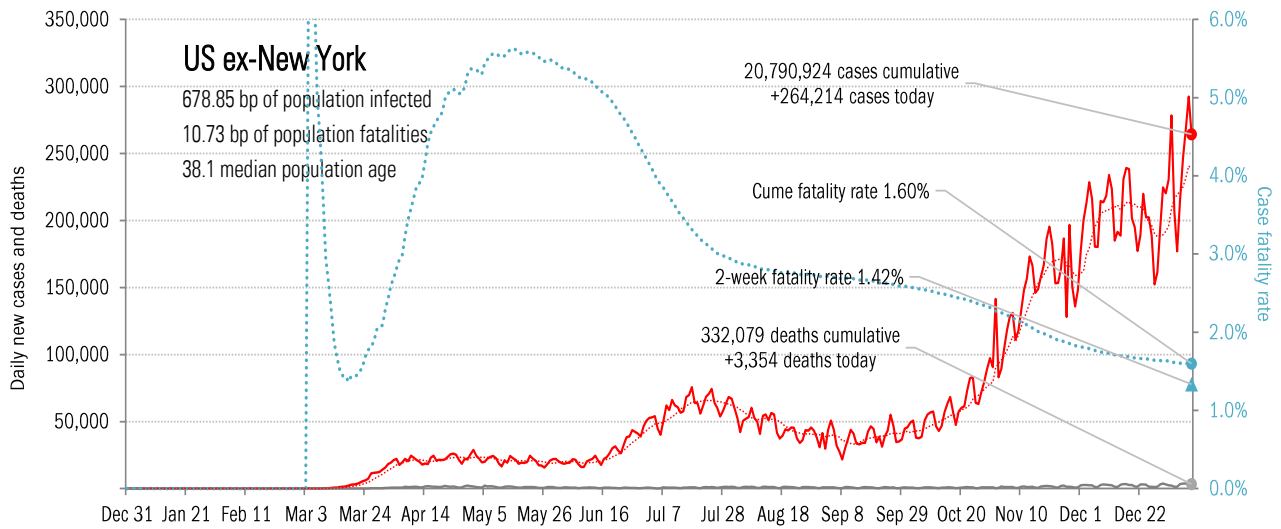
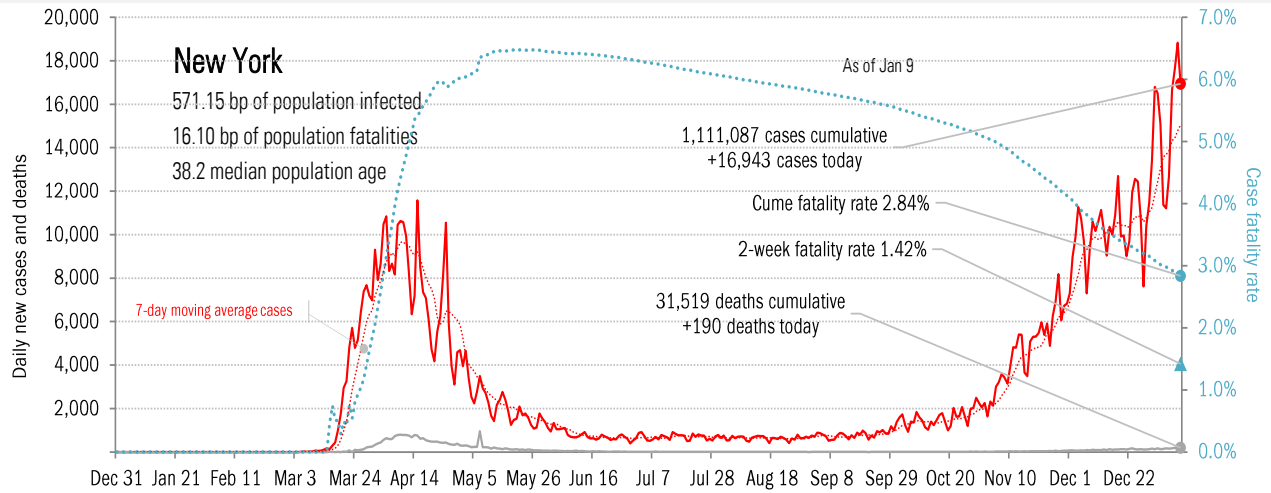


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



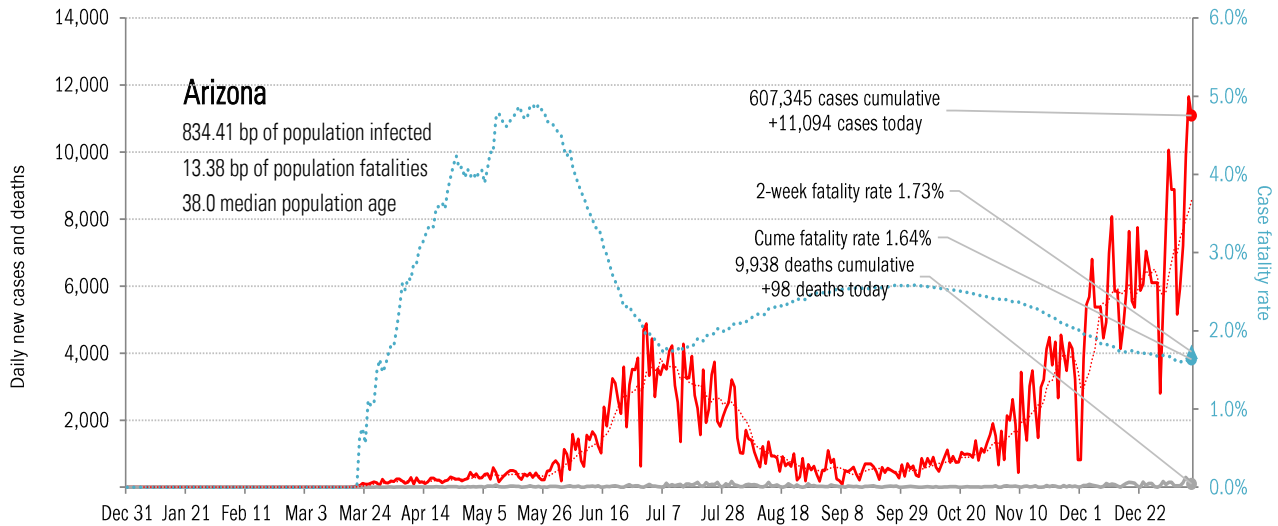
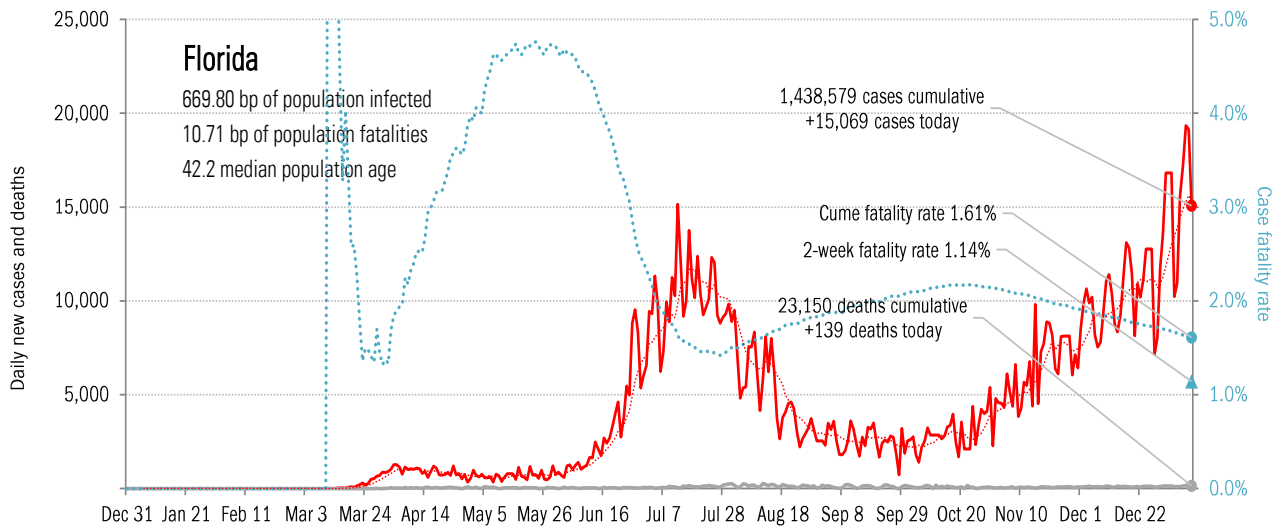
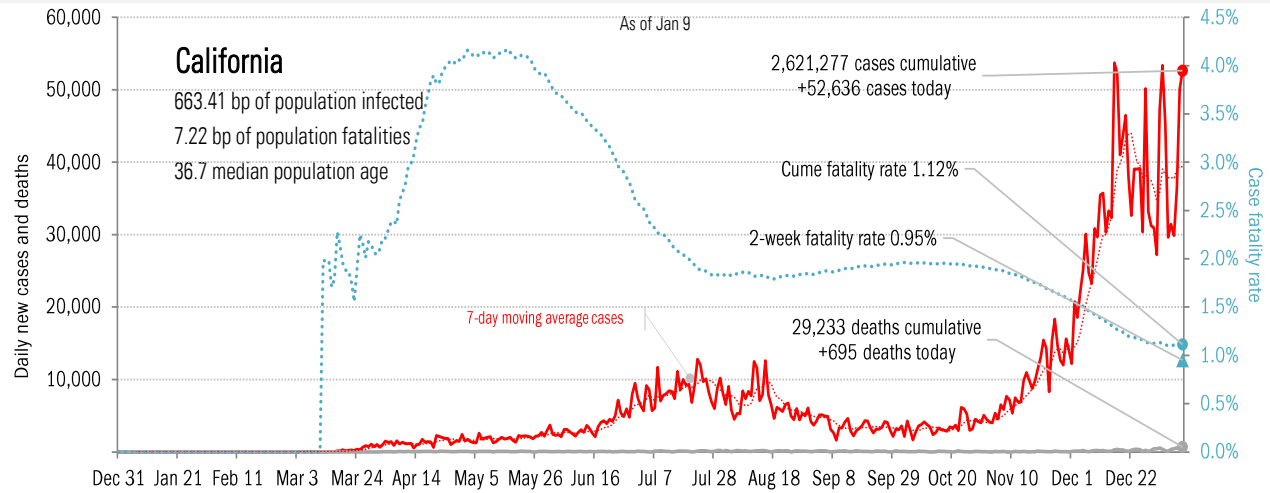
Source: [IHME Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



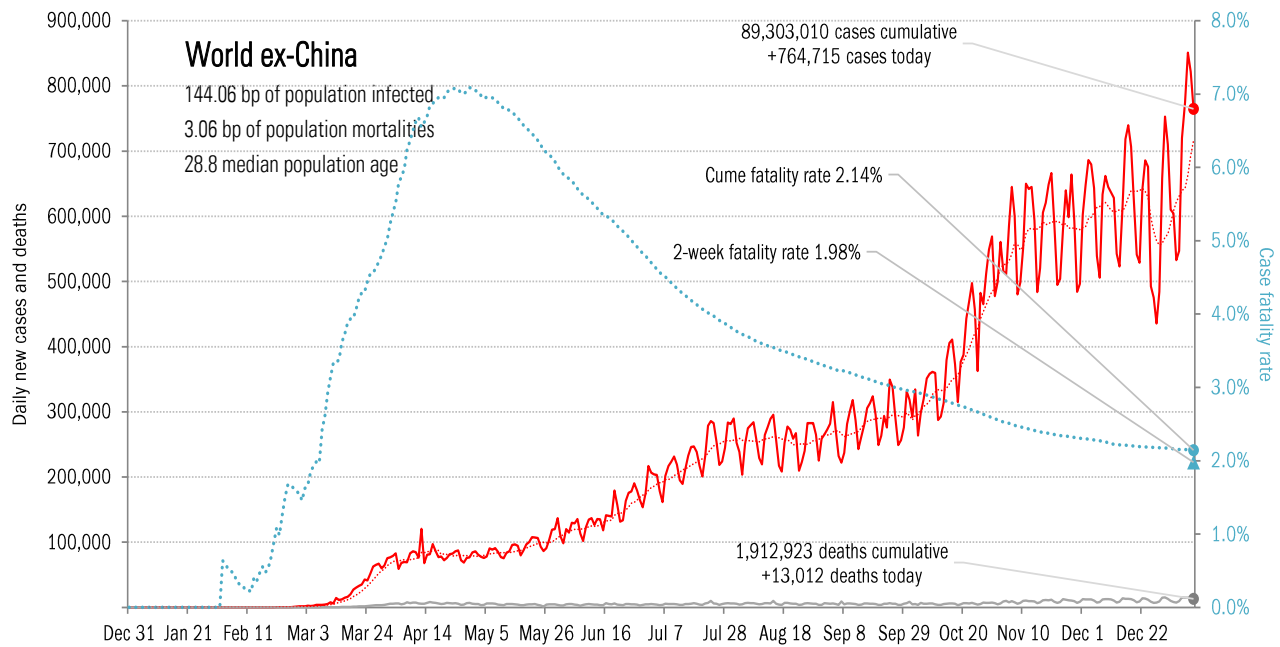
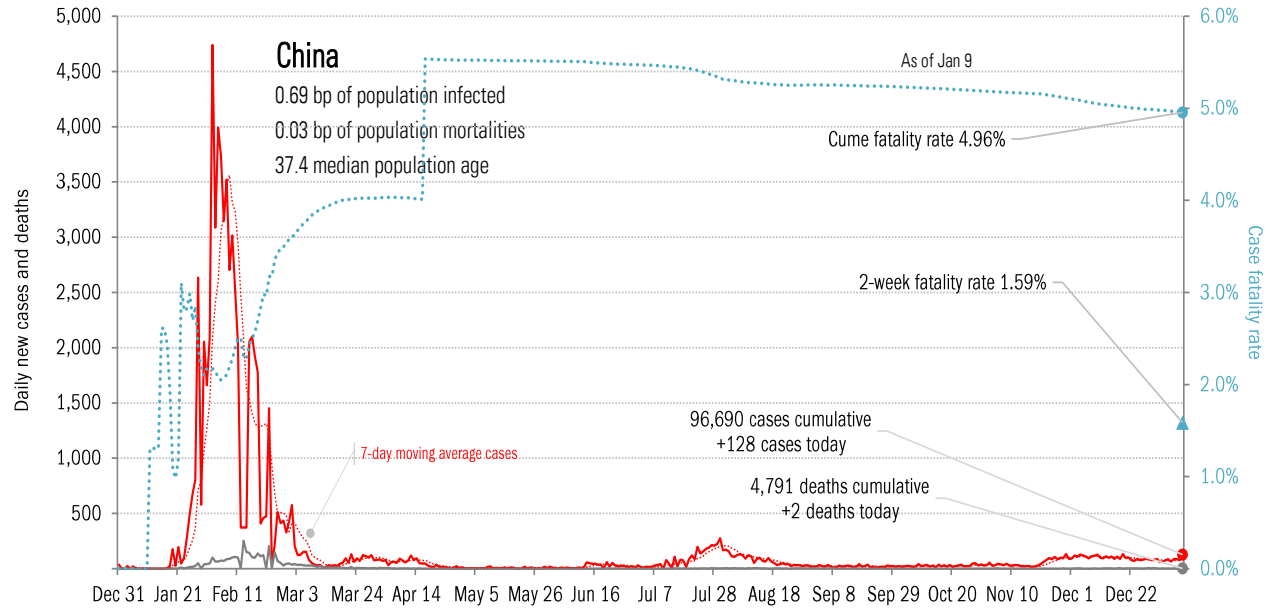
Source: [Covid Tracking Project](#), TrendMacro calculations

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



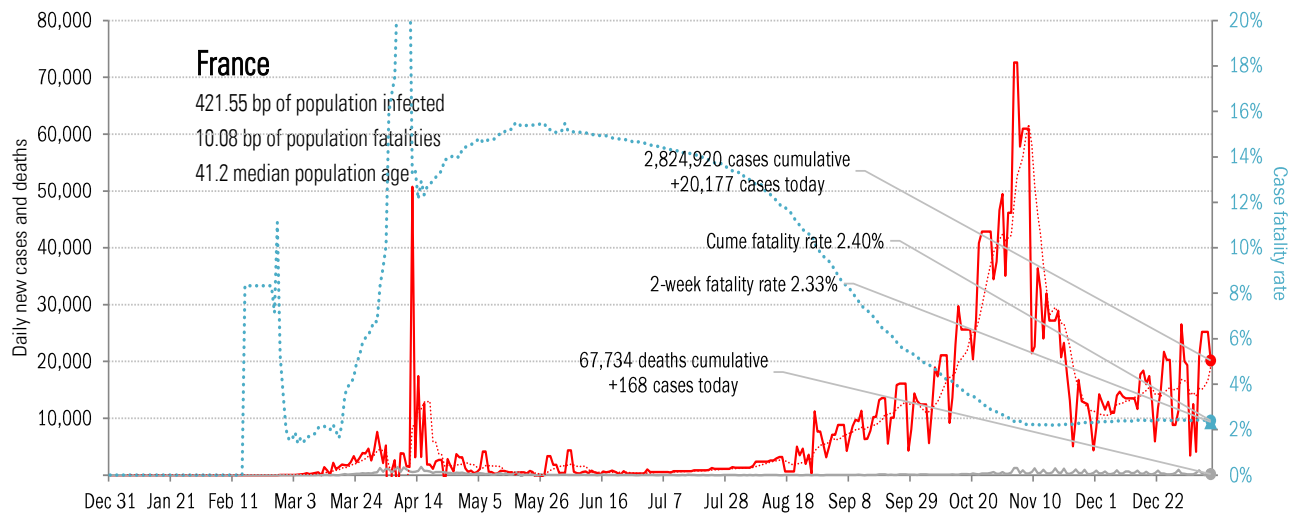
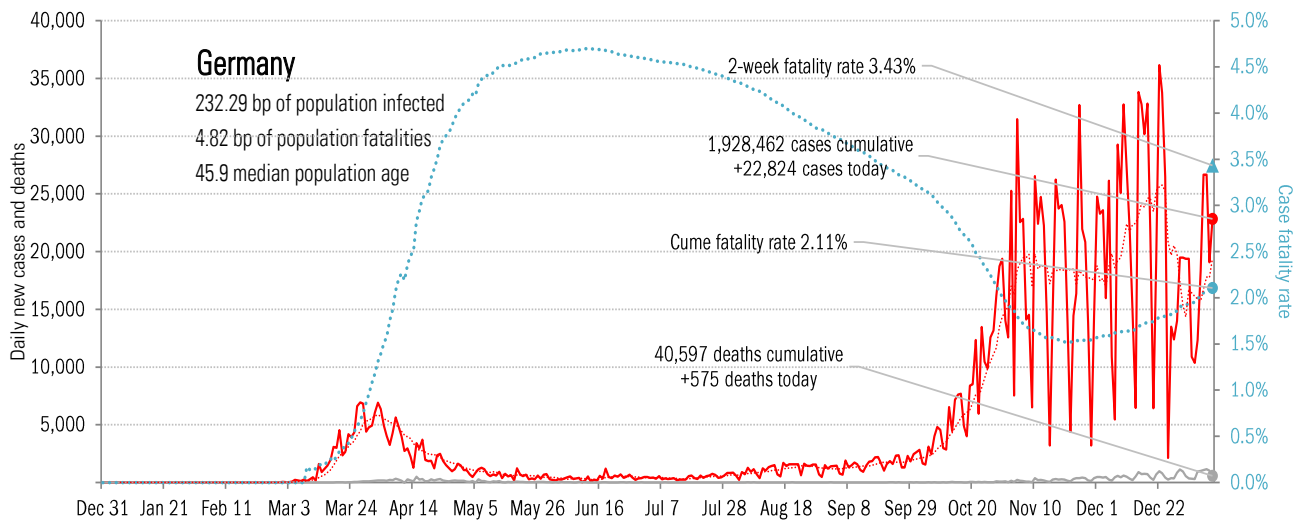
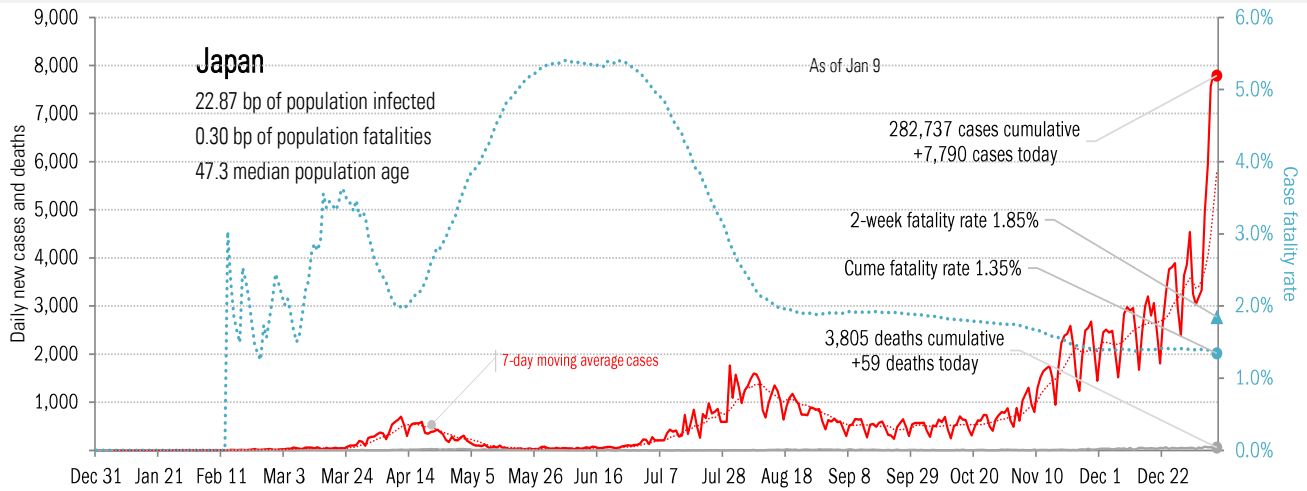
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



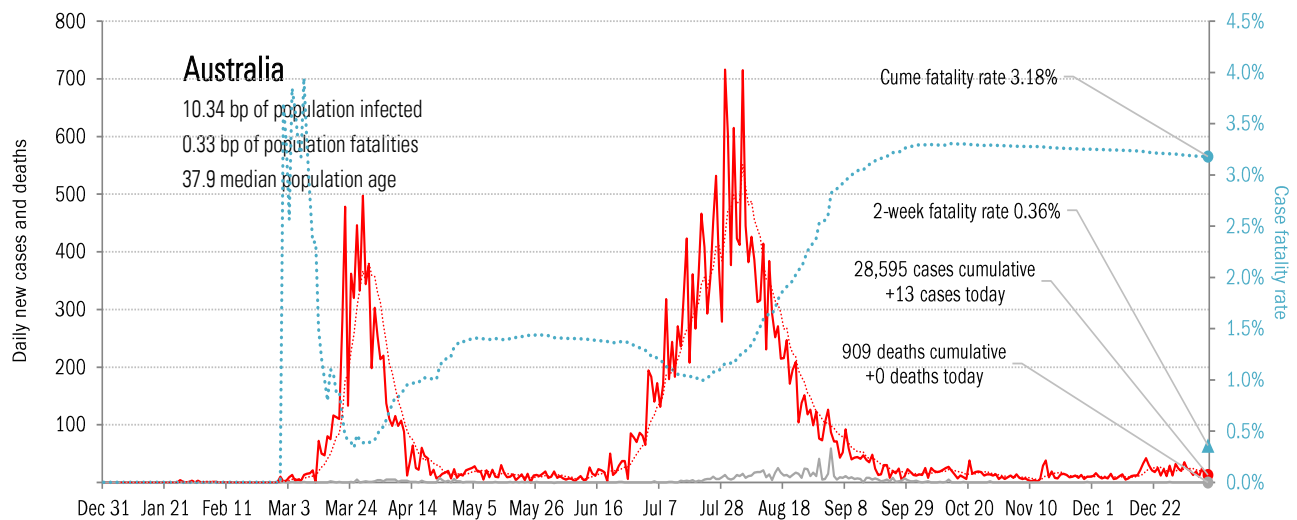
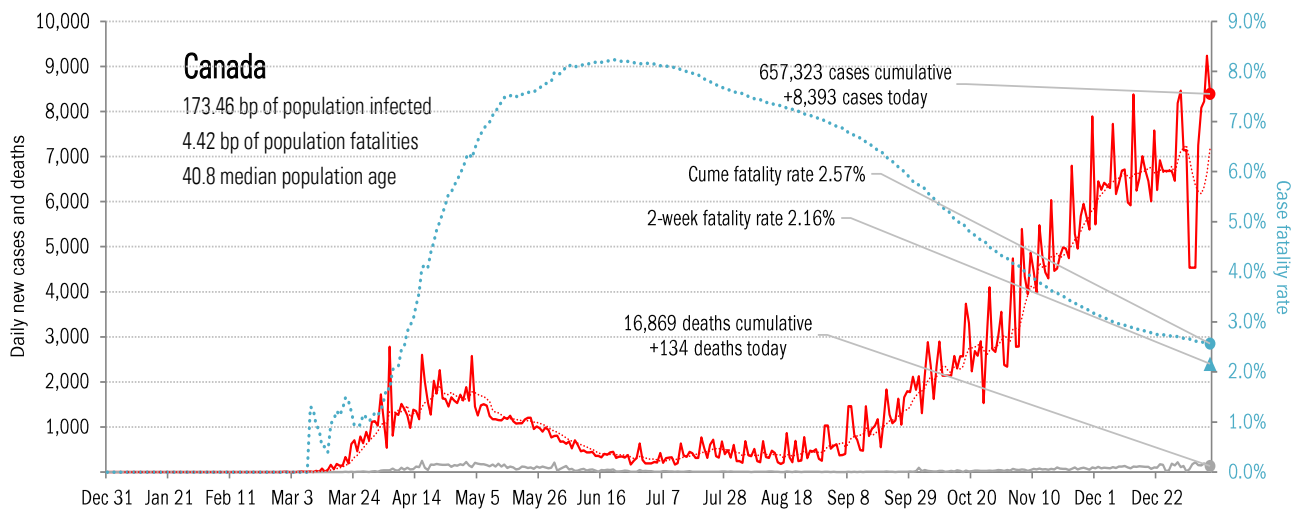
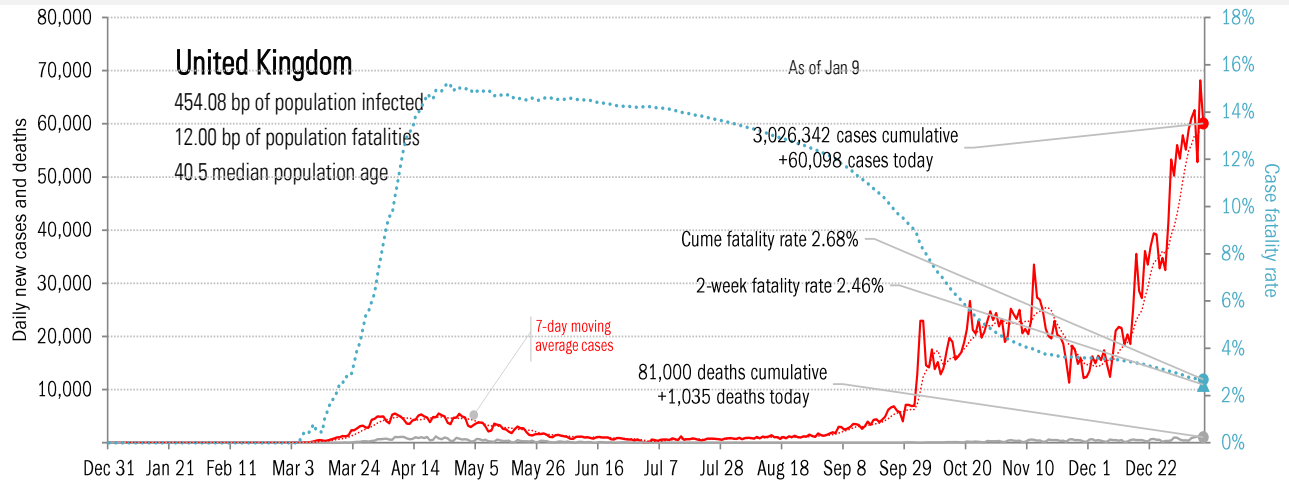
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



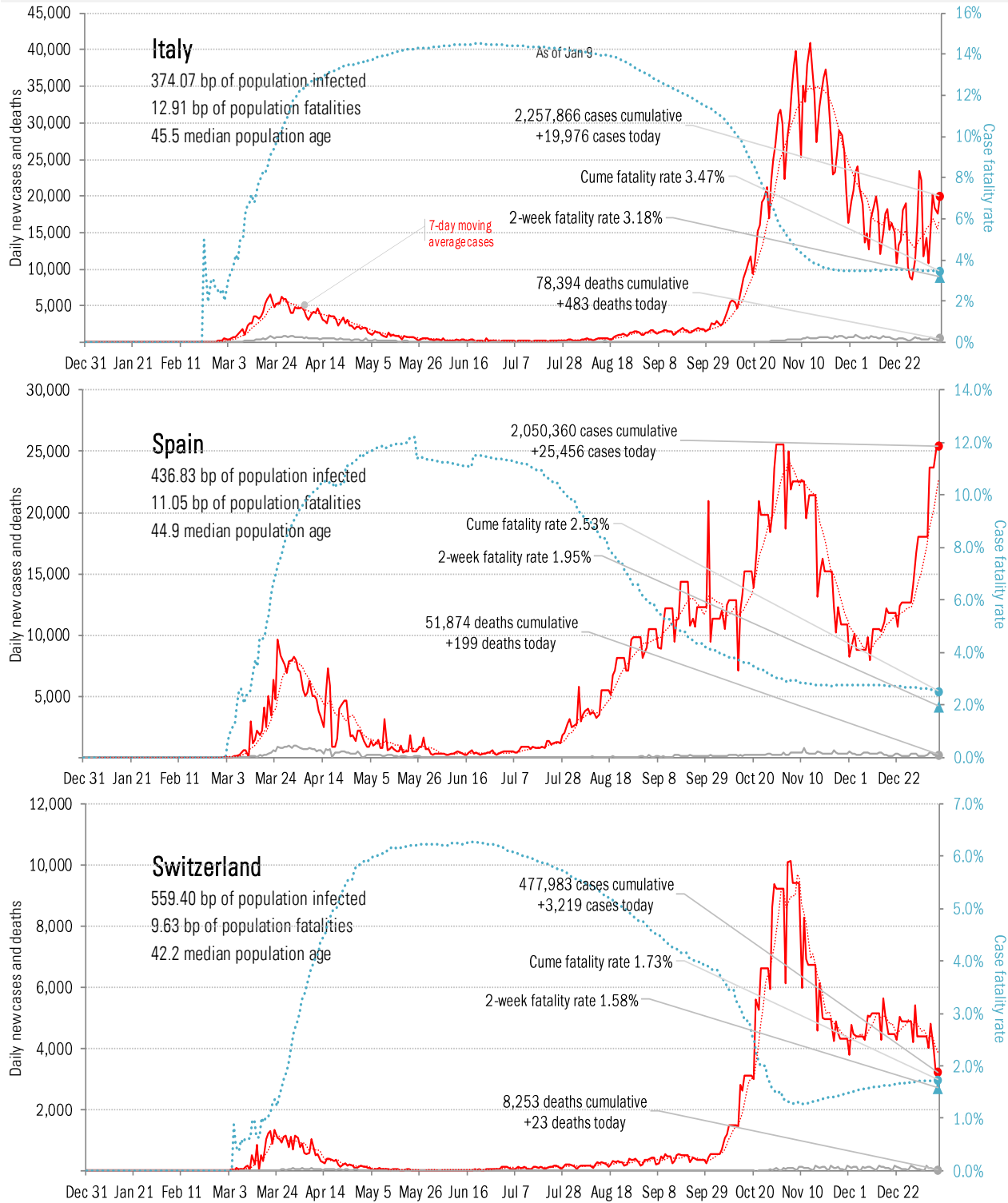
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



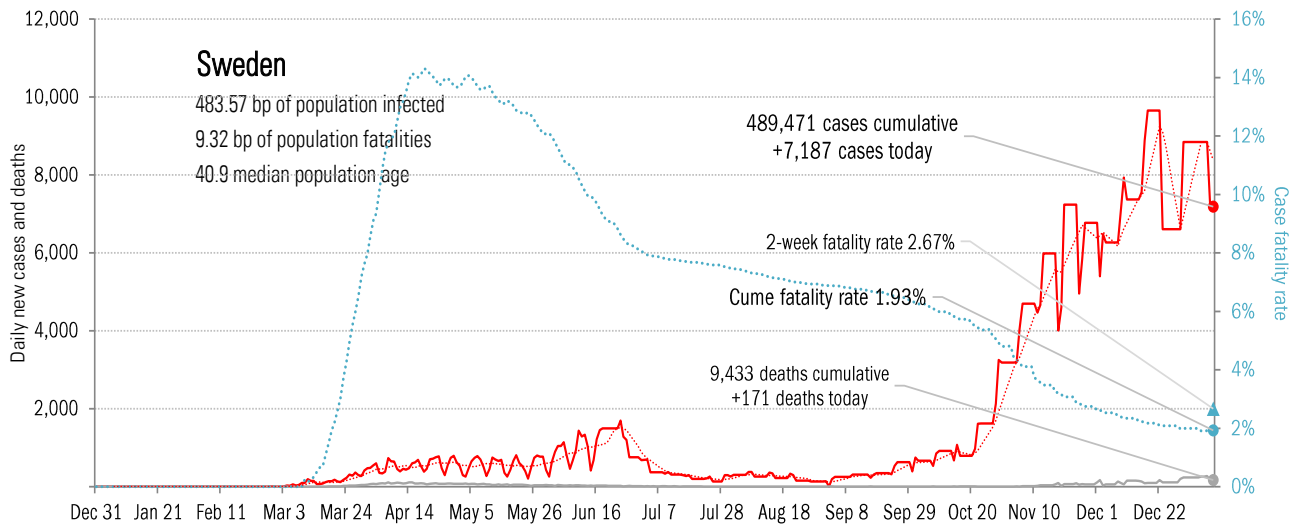
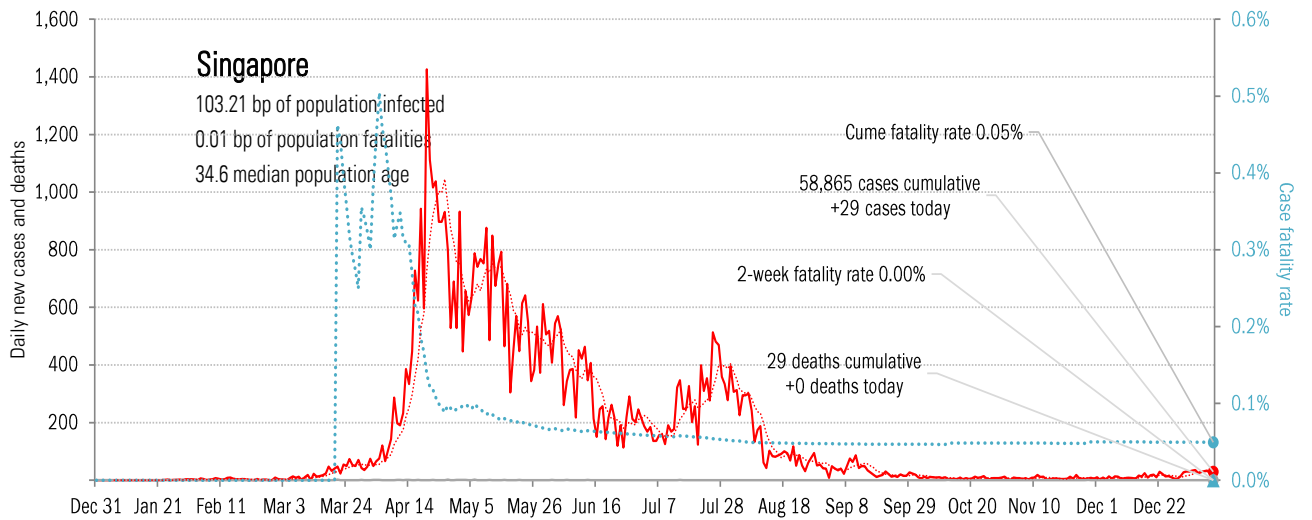
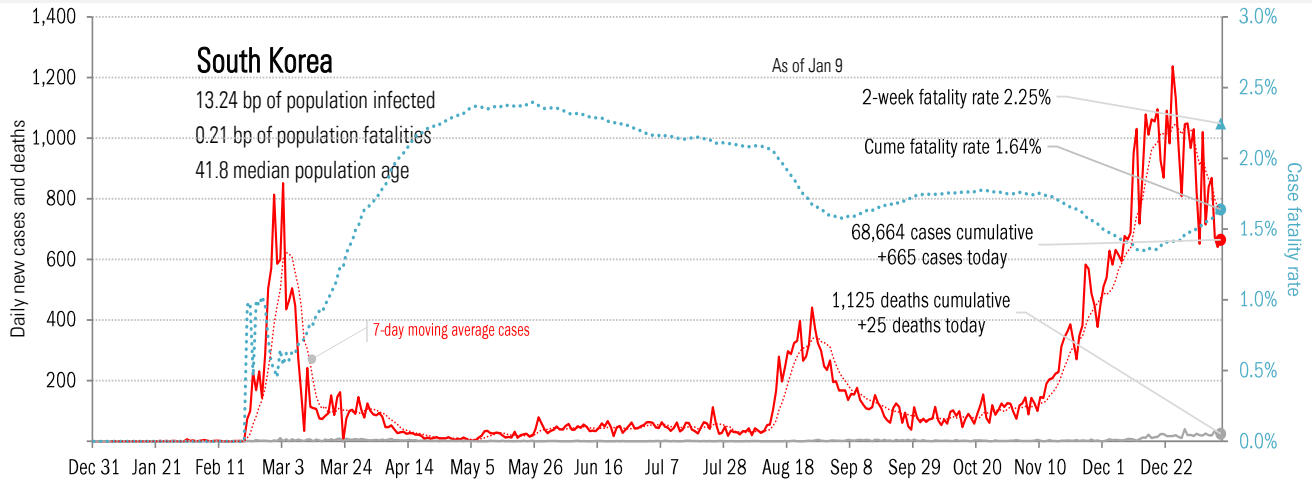
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



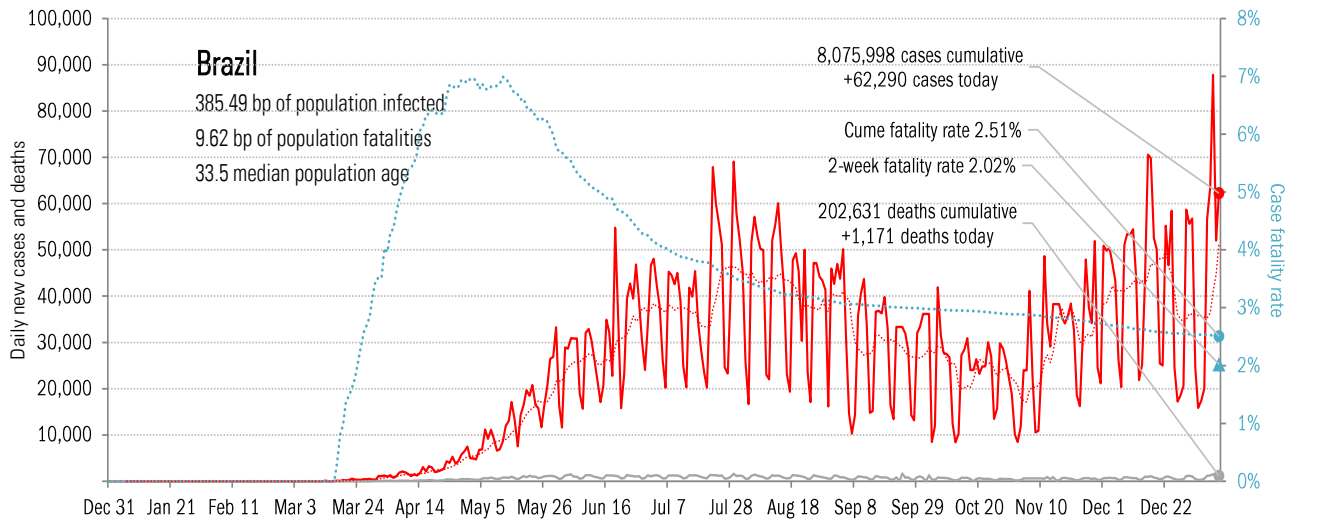
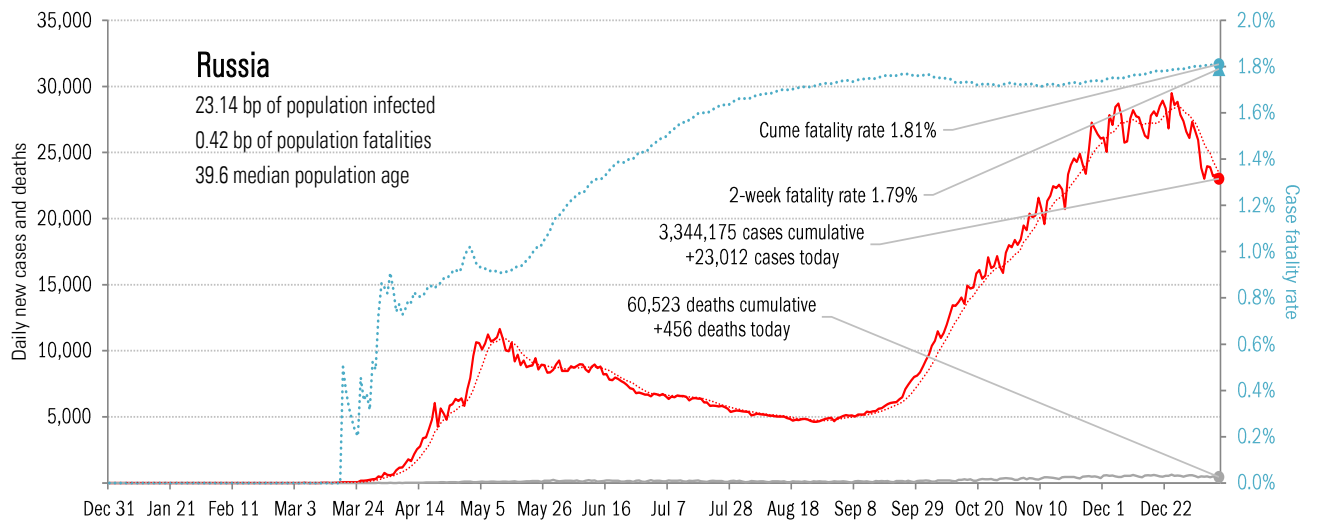
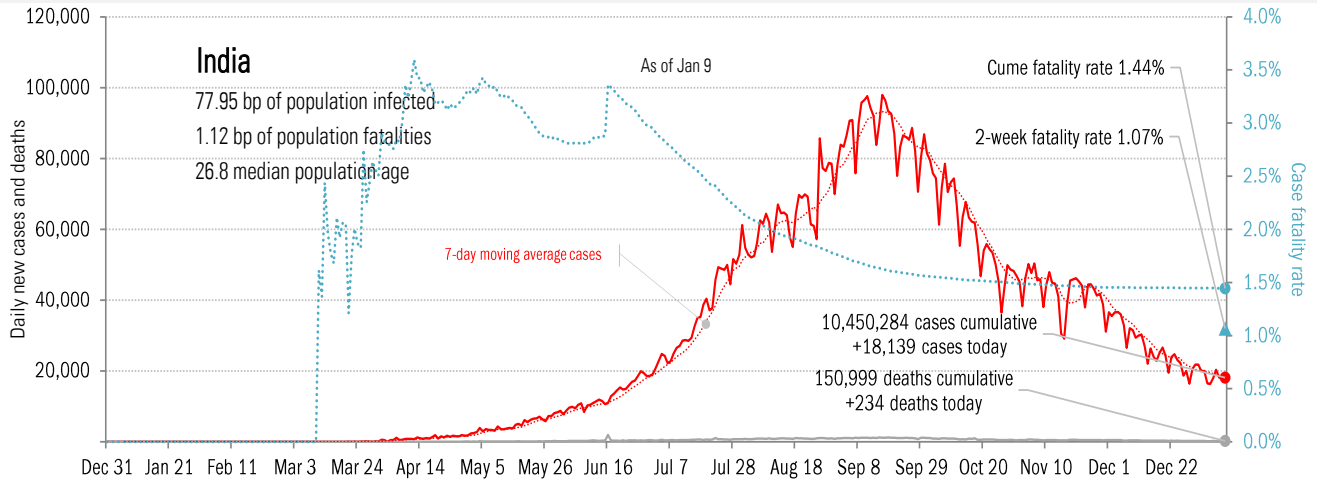
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



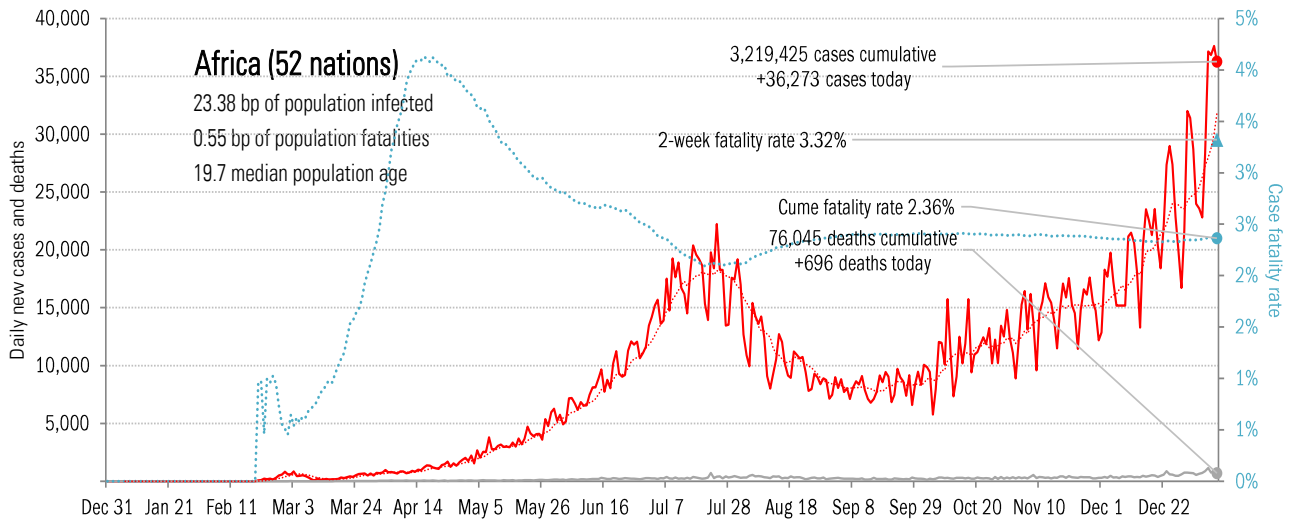
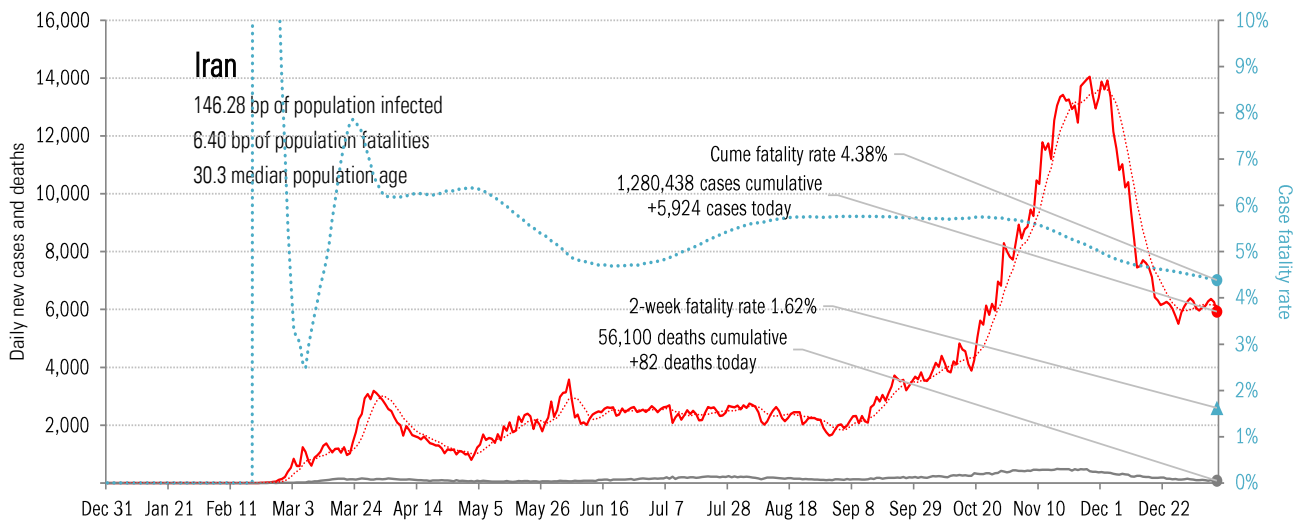
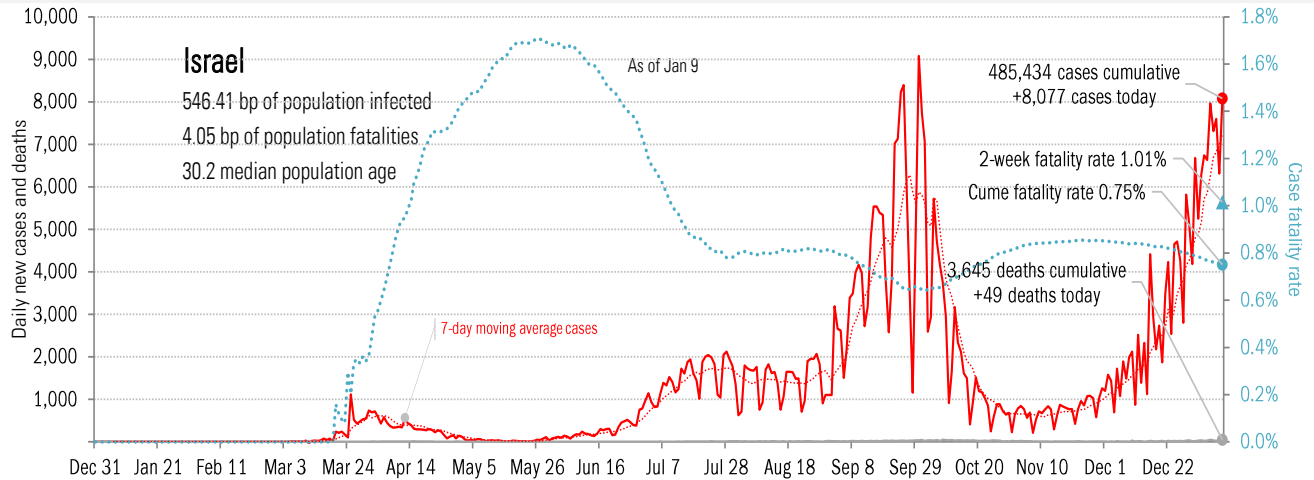
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [Johns Hopkins](#), TrendMacro calculations