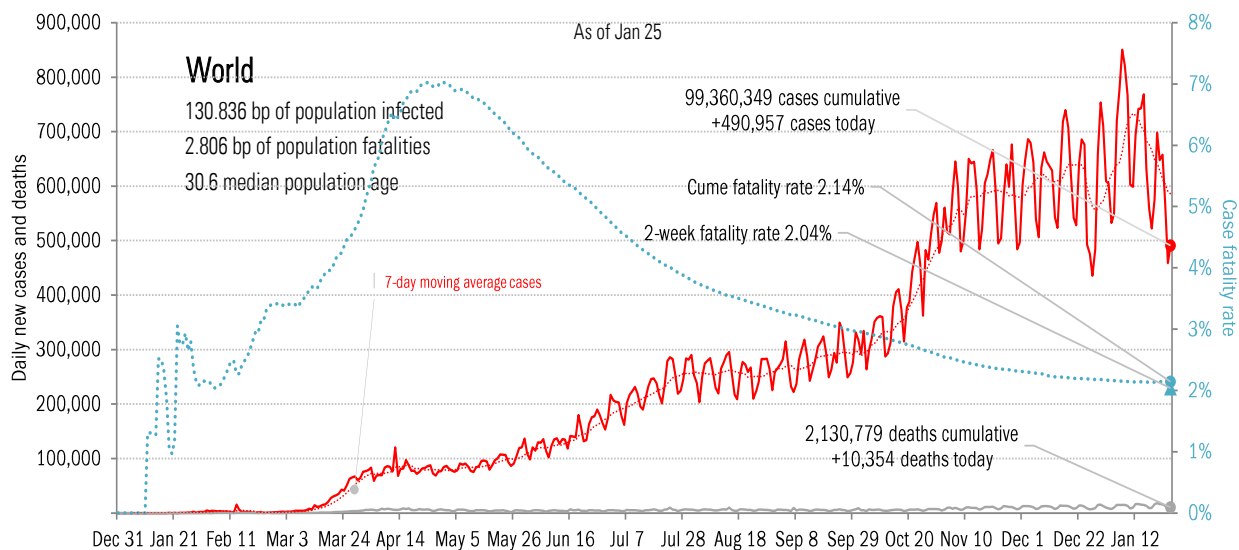
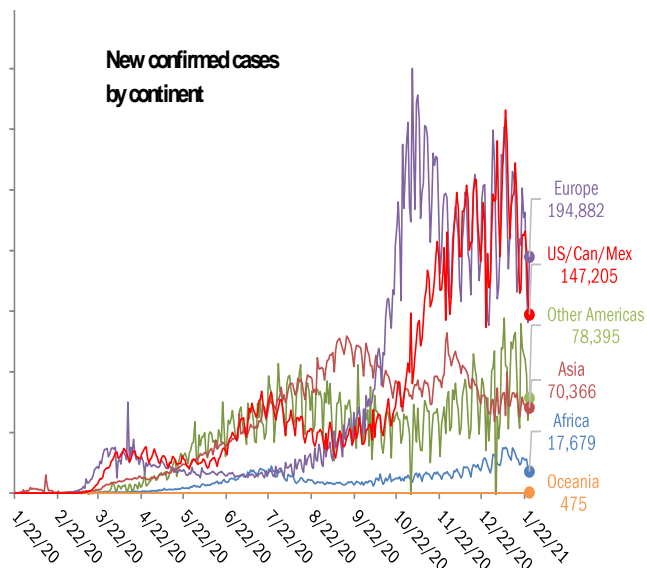


Data Insights: Covid-2019 Monitor

Tuesday, January 26, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+133,067	United States	+1,593
Spain	+93,822	Germany	+831
Brazil	+26,816	Spain	+767
United Kingdom	+22,244	Mexico	+659
Russia	+18,999	Brazil	+627
#N/A	+15,937	United Kingdom	+594
#N/A	+12,261	France	+446
#N/A	+9,994	Russia	+444
India	+9,102	Italy	+420
Italy	+8,559	Colombia	+373
+350,801		+6,754	
World	+490,957	World	+10,354
Top ten	71%	Top ten	65%



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

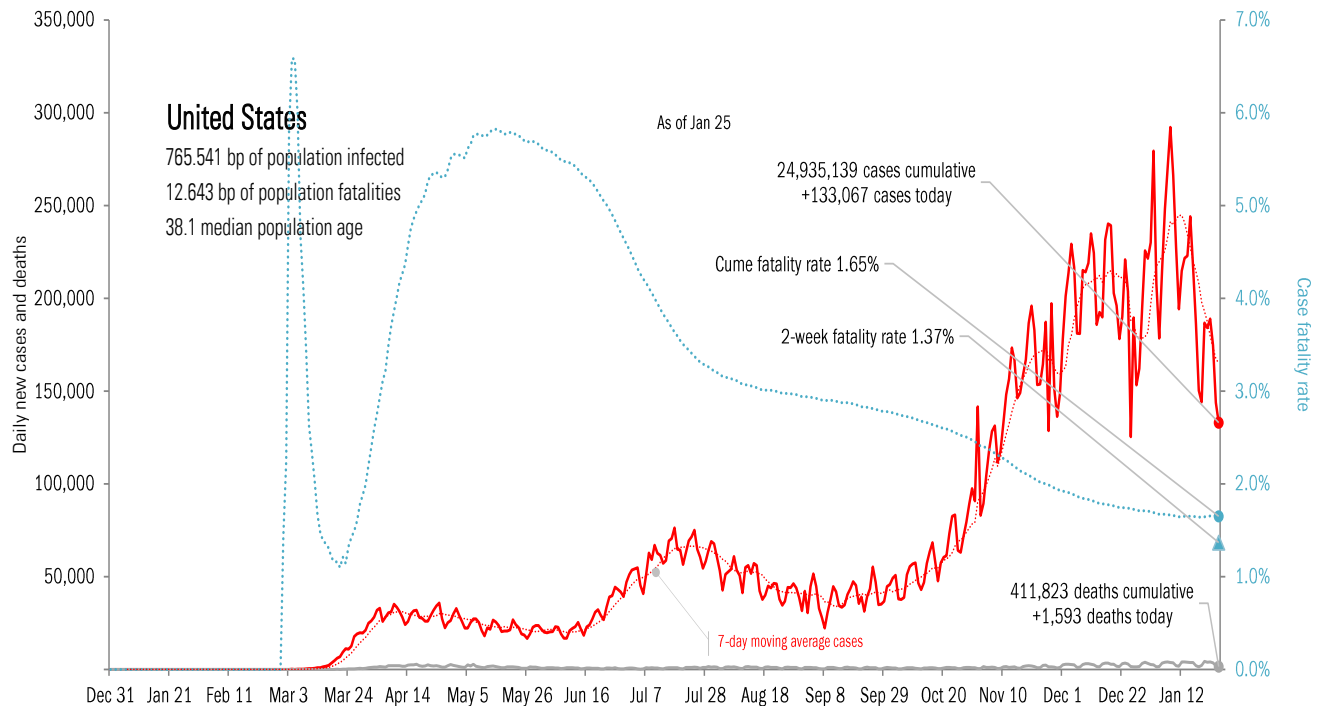
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	+27,007		CA	+328		FL	+172		CA	3,136,158		CA	37,118		NY	89,995		R	89%	AL	92%
NY	+12,003		NY	+173		NY	+117		TX	2,246,845		TX	34,394		FL	71,387		CT	81%	GA	90%
FL	+8,542		FL	+156		NJ	+52		FL	1,627,830		NY	34,242		NJ	59,438		SC	80%	CA	89%
TX	+6,319		TN	+111		CH	+44		NY	1,338,990		FL	25,849		AZ	50,483		CA	80%	DE	87%
VA	+6,172		CT	+92		VA	+42		IL	1,104,763		NJ	20,972		GA	48,498		DC	80%	OK	86%
CT	+5,817		TX	+72		AL	+31		CH	868,656		IL	20,744		CH	44,981		MD	79%	TX	85%
AZ	+5,321		IL	+64		SC	+12		PA	807,867		PA	20,664		AL	41,069		GA	79%	NC	85%
NC	+4,633		CH	+57		VI	+11		AZ	727,895		MI	15,219		IN	39,609		MA	78%	MO	83%
CH	+4,334		PA	+55		CT	+10		NC	723,445		MA	14,178		MD	31,188		FL	78%	DC	83%
NJ	+4,143		GA	+53		MA	+9		GA	722,062		GA	13,303		MN	23,932		MO	77%	RI	82%
+84,291			+1,161			+500			13,304,511			236,683			500,580						
All states	+133,067			+1,593			-692		All states	24,935,139			411,823			787,460		All states	73%		76%
Top ten	63%			73%			-72%		Top ten	53%			57%			64%		Median	70%		72%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-5,246	TX	-136	MI	-175	NC	+55,970
WA	-1,949	CA	-101	MS	-74	MS	+15,043
AZ	-1,896	NC	-84	NV	-58	TX	+9,718
LA	-1,527	AZ	-67	IN	-57	PA	+6,248
NC	-1,463	SC	-63	CO	-21	CH	+5,563

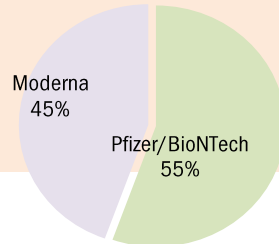


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US

US overall	Over last day
41.42 million doses distributed	+0.01 million/day
22.73 million doses administered	+0.89 million/day
19.25 million persons with one or more shot	+0.75 million/day
3.35 million persons with two or more shots	+0.13 million/day
2.71 million shots in long-term care	+0.15 million/day

54.9% of distributed doses administered
6.9% of US population vaccinated
5.9% of US population one shot
1.0% of US population two shots
1.9 doses per long-term care resident



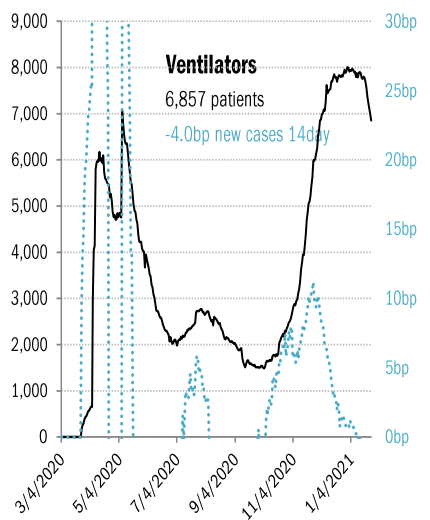
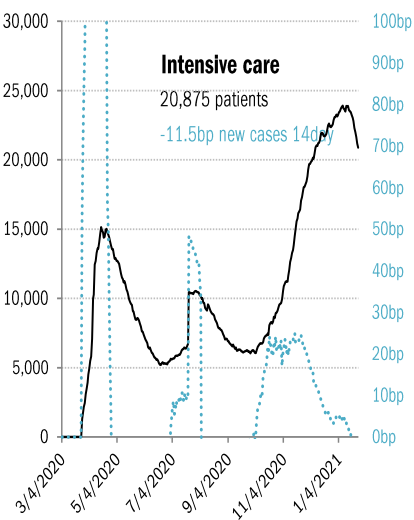
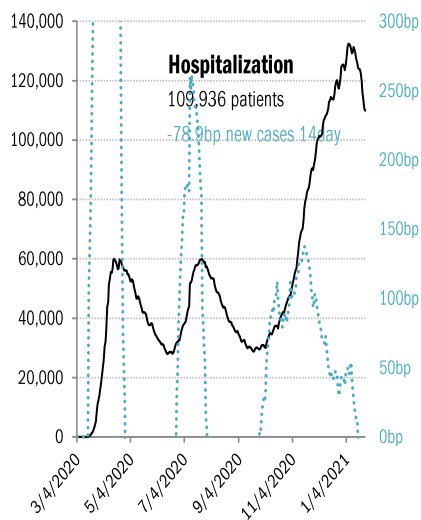
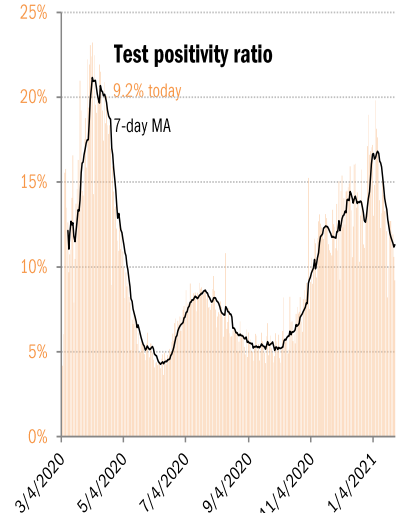
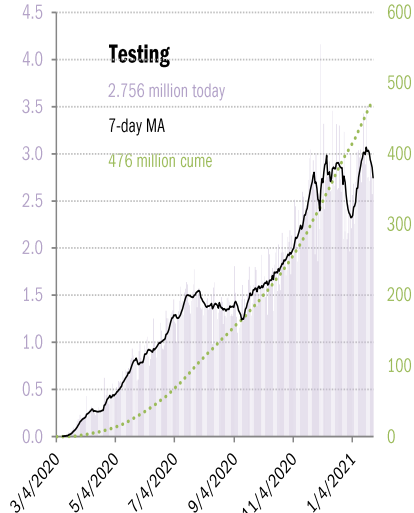
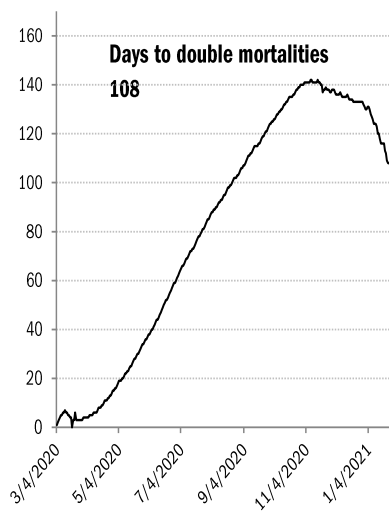
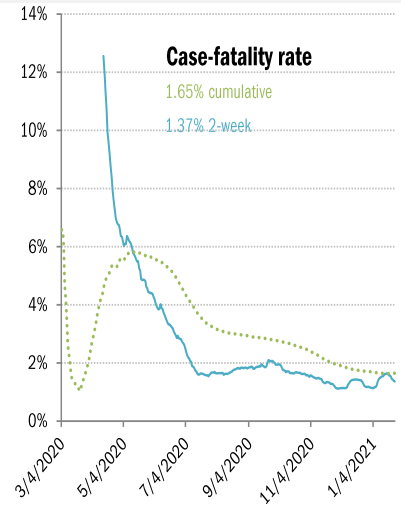
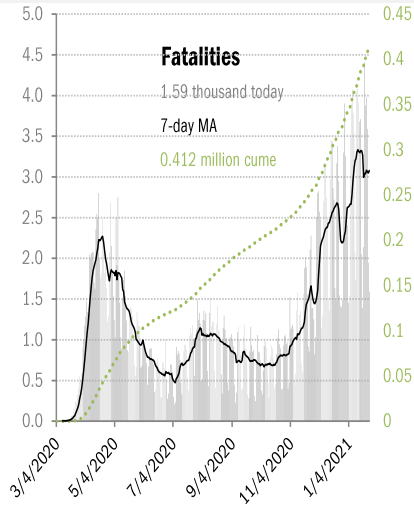
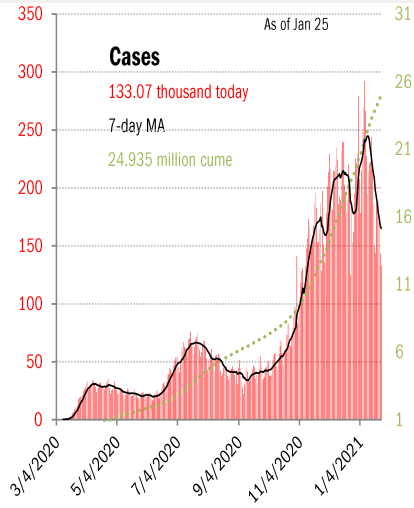
State	Doses distributed as % population	One shot received as % population	Two shots received as % distributed
AK	21.3%	10.7%	2.2%
ME	13.3%	5.9%	1.4%
VT	14.4%	6.7%	1.6%
NH	12.0%	5.9%	1.0%
WI	10.5%	4.5%	0.8%
WA	11.1%	4.9%	0.9%
ID	10.1%	4.1%	0.8%
MT	11.2%	5.8%	1.3%
ND	11.4%	7.4%	2.0%
MN	12.1%	4.5%	1.2%
IL	11.2%	4.4%	1.1%
MI	11.0%	5.7%	1.1%
NY	12.3%	6.0%	0.9%
MA	12.5%	5.2%	0.9%
OR	11.7%	5.8%	1.0%
NV	9.3%	4.2%	0.7%
WY	12.2%	6.2%	0.8%
SD	12.0%	7.1%	2.0%
IA	11.5%	5.0%	1.0%
IN	12.5%	5.5%	1.2%
OH	10.5%	4.9%	0.6%
PA	12.2%	4.8%	1.0%
NJ	11.1%	5.3%	0.7%
CT	13.8%	7.7%	1.1%
RI	14.1%	5.1%	1.3%
CA	12.4%	4.7%	0.9%
UT	10.7%	5.5%	0.6%
CO	12.0%	6.2%	1.3%
NE	12.3%	5.7%	1.1%
MO	10.8%	4.0%	1.2%
KY	10.5%	6.0%	0.7%
WV	13.6%	9.1%	2.2%
VA	12.5%	4.6%	0.6%
MD	12.3%	5.0%	0.6%
DE	11.9%	5.4%	1.2%
AZ	11.4%	4.6%	0.8%
NM	12.3%	7.8%	1.7%
KS	12.0%	4.4%	0.8%
AR	12.2%	5.9%	1.1%
TN	12.3%	5.2%	1.4%
NC	11.9%	5.3%	0.8%
SC	8.8%	4.5%	0.9%
DC	12.9%	7.0%	1.8%
OK	12.5%	7.1%	1.0%
LA	11.7%	6.3%	0.9%
MS	12.0%	5.4%	0.5%
AL	10.6%	4.4%	0.6%
GA	11.6%	5.0%	0.6%
HI	13.5%	4.8%	1.2%
TX	10.6%	5.2%	0.9%
FL	13.5%	6.4%	0.7%
PR	11.6%	4.5%	1.2%

As of Jan 25

Source: [CDC](#), TrendMacro calculations

US deep-dive

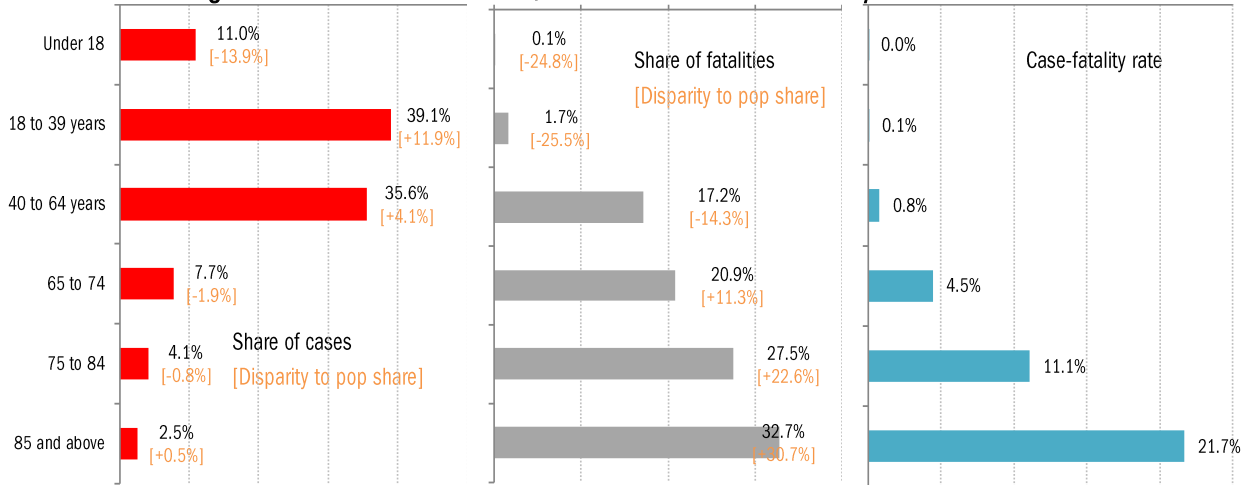
National and state-by-state data do not line up because of different sources



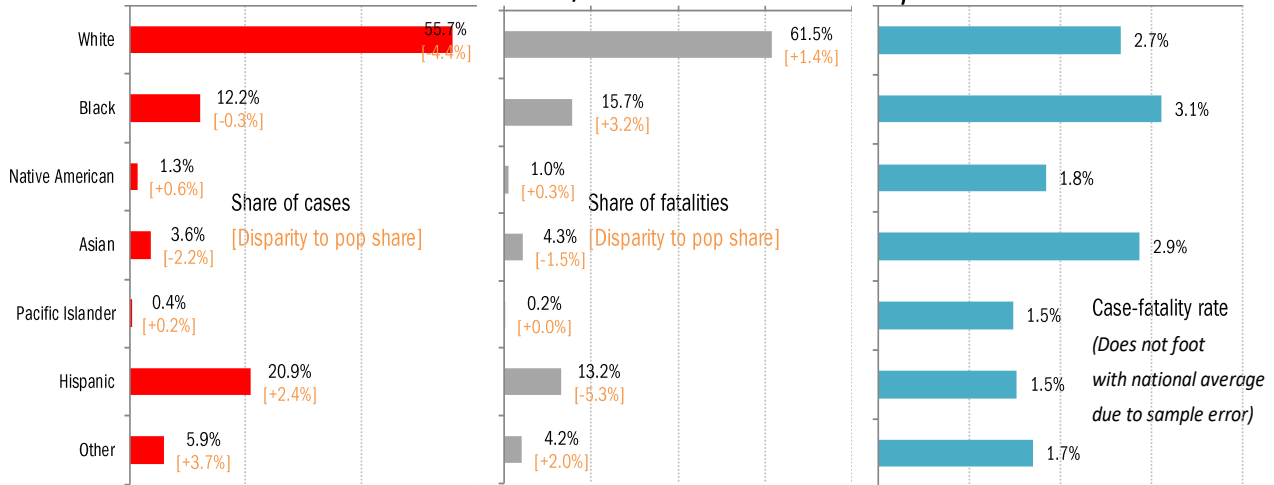
Source: [Covid Tracking Project](#), TrendMacro calculations

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

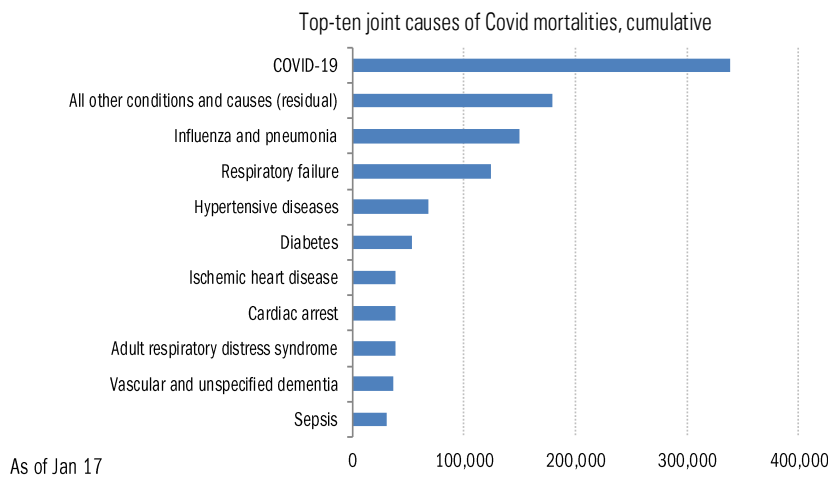
Age distribution of US cases, fatalities and case-fatality rates



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.

Recommended reading

[California Ends Strict Virus Restrictions as New Cases Fall](#)

Thomas Fuller and Jill Cowan
New York Times
January 25, 2021

[Chicago Teachers Union vs. Biden](#)

Wall Street Journal
January 25, 2021

[As Virus Grows Stealthier, Vaccine Makers Reconsider Battle Plans](#)

Denise Grady, Apoorva Mandavilli and Katie Thomas
New York Times
January 25, 2021

[Workers Producing the Vaccine Need Vaccination](#)

Robert Kramer
New York Times
January 25, 2021

[Dr. Anthony Fauci: The Highest Paid Employee In The Entire U.S. Federal Government](#)

Adam Andrzejewski
Forbes
January 25, 2021

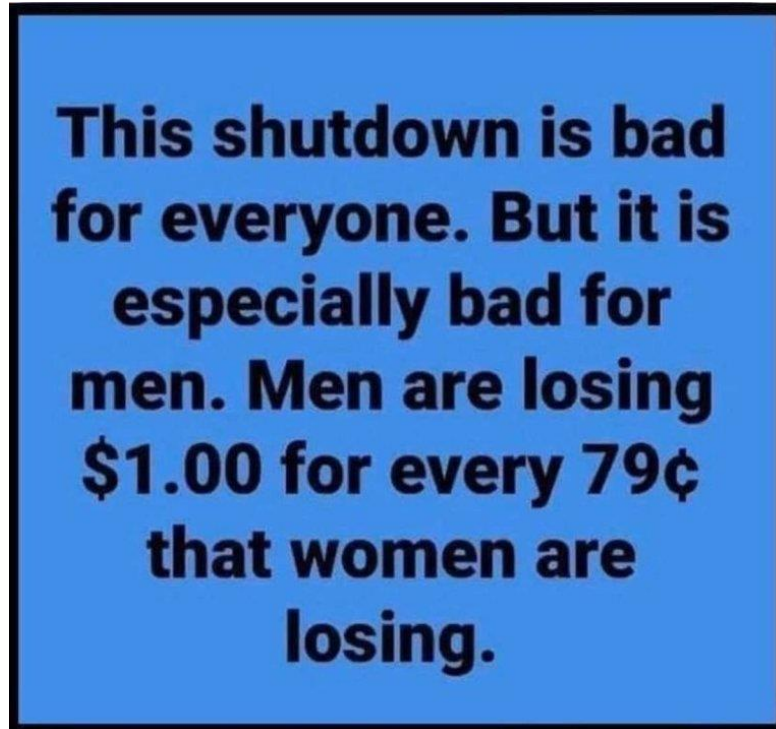
[Autumn COVID-19 surge dates in Europe correlated to latitudes, not to temperature-humidity, pointing to vitamin D as contributing factor](#)

Stephan Walrand
Scientific Reports
January 21, 2021

[California keeps key virus data out of public sight](#)

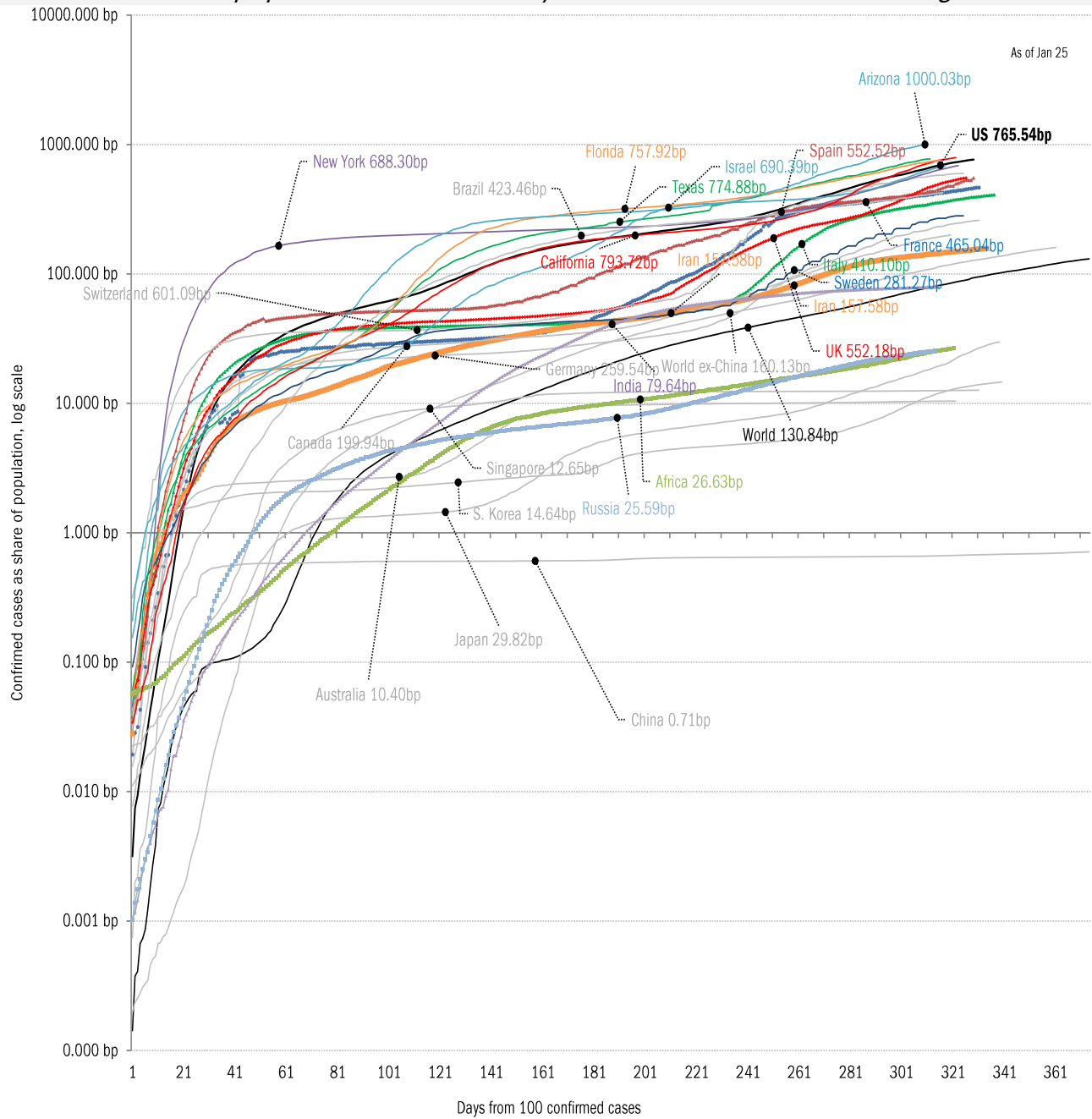
Don Thompson
Associated Press
January 22, 2021

Meme of day



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

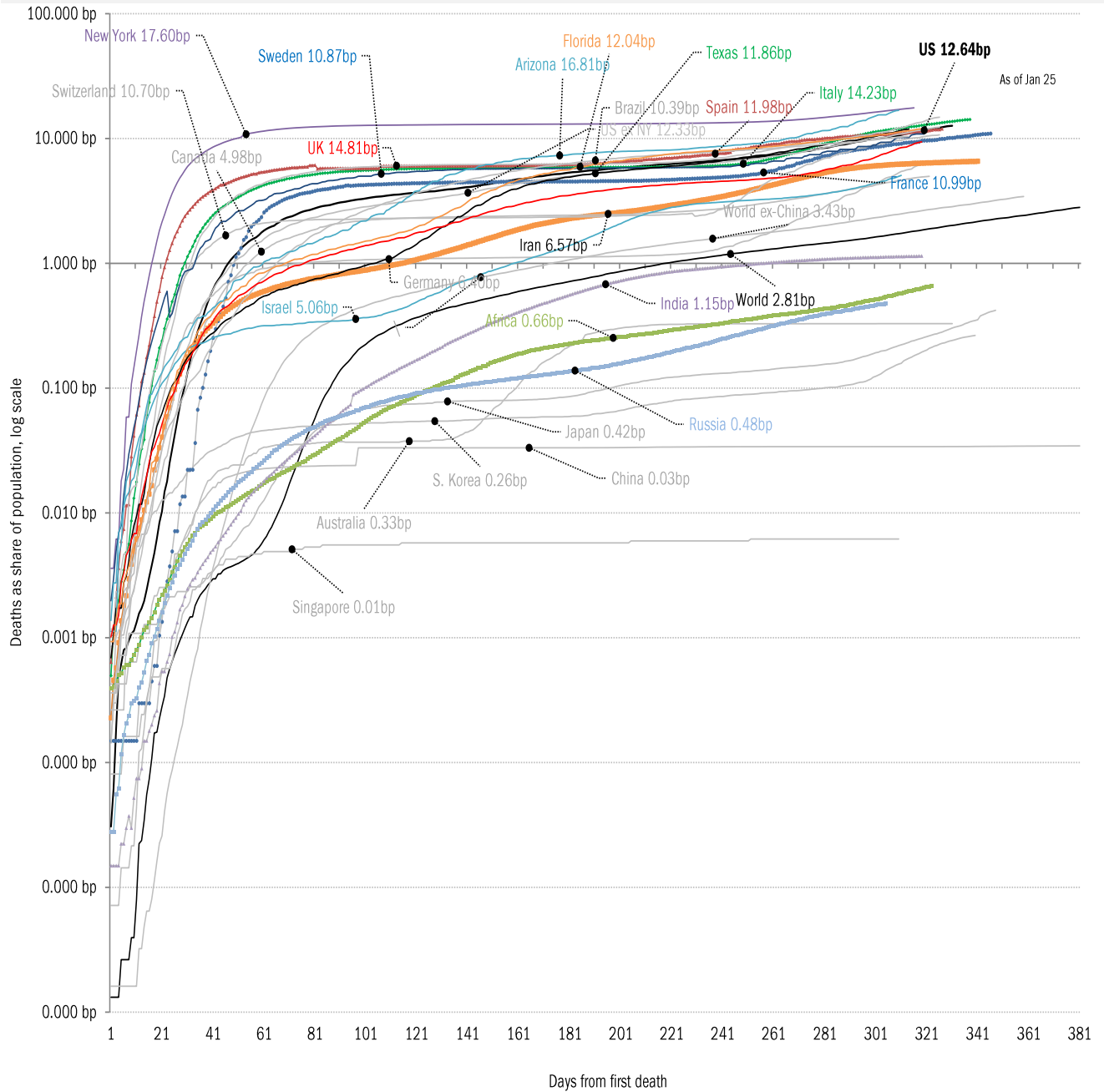
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

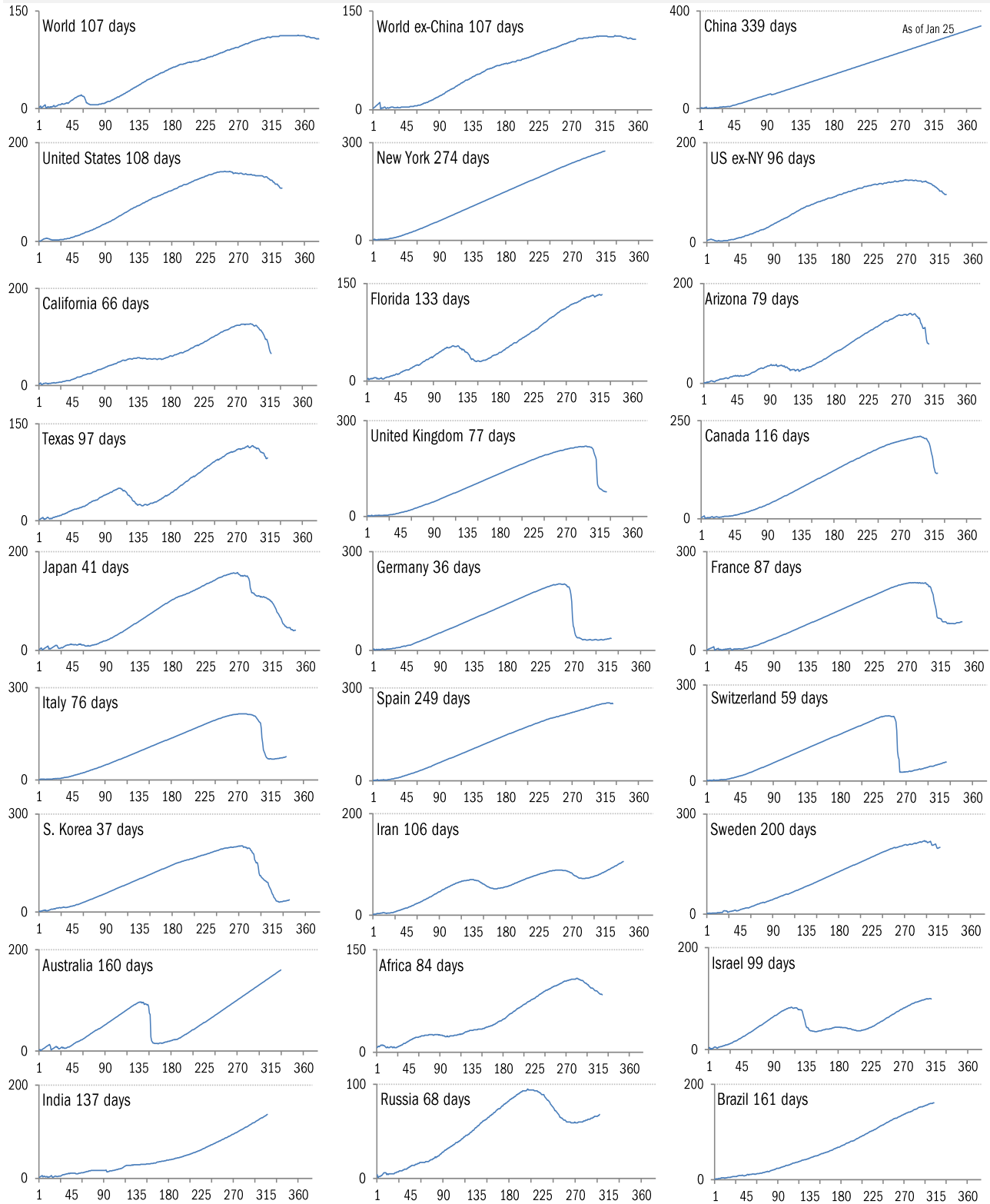


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

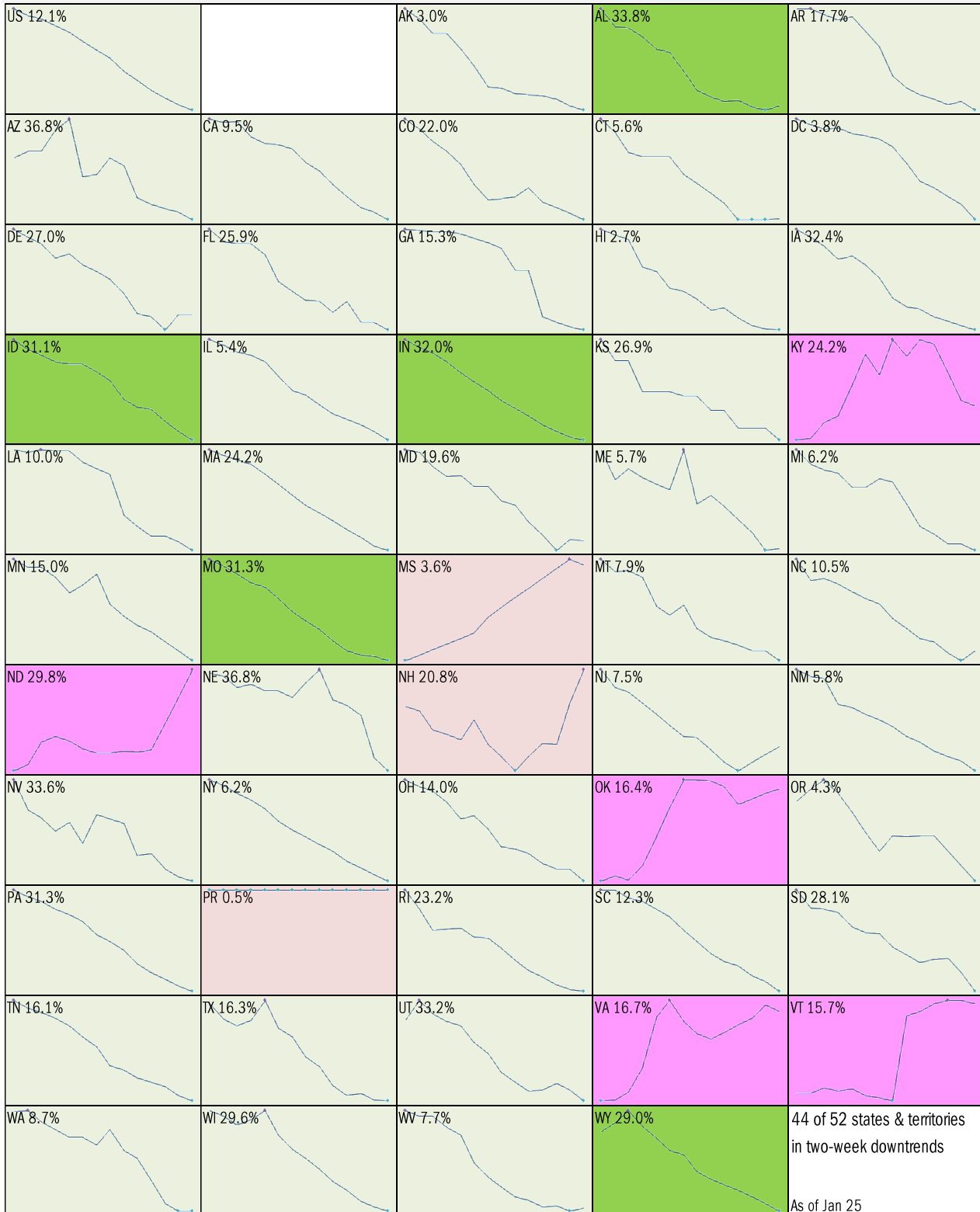


Source: [Covid Tracking Project](#), TrendMacro calculations

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



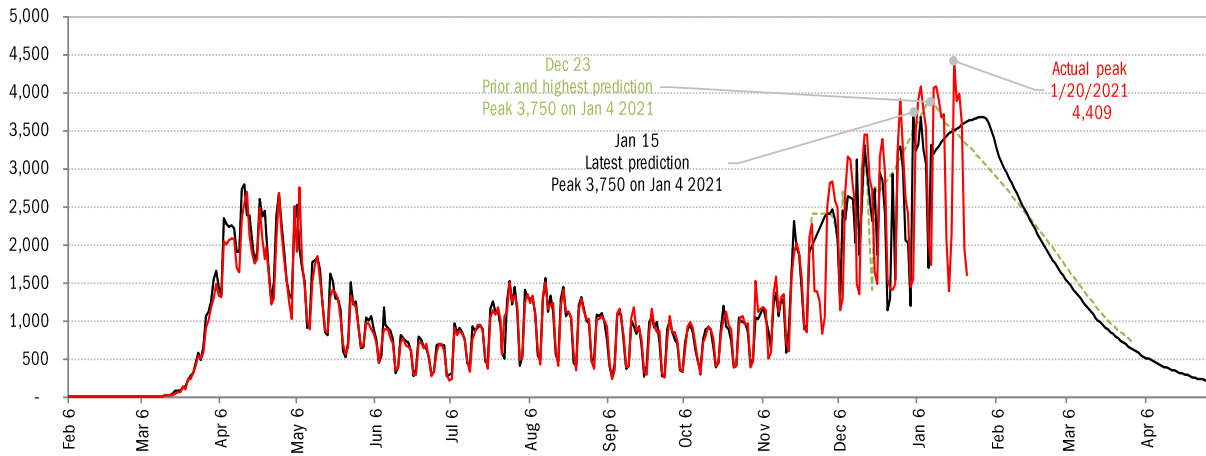
Source: [Covid Tracking Project](#), TrendMacro calculations

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

New daily fatalities

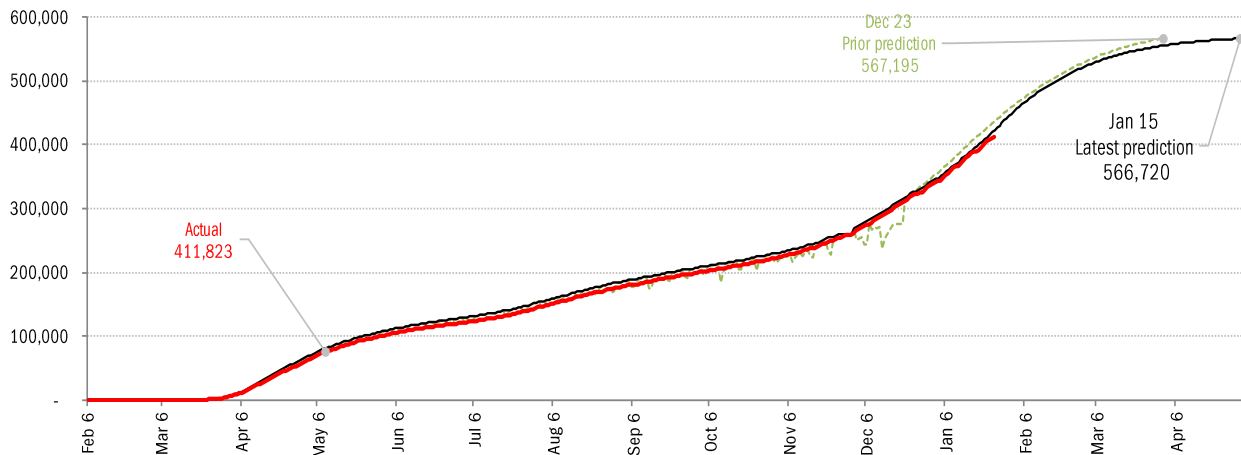
As of Jan 25

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

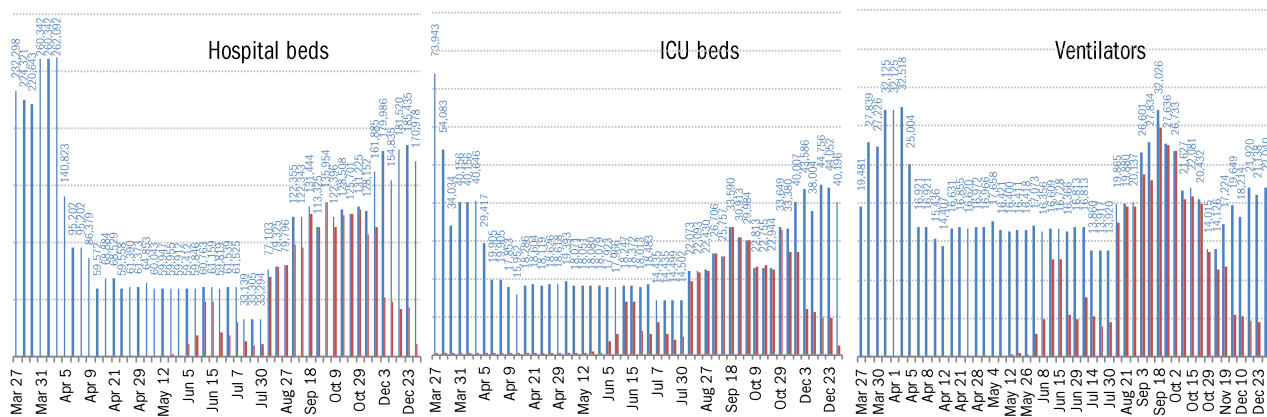


Cumulative fatalities

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

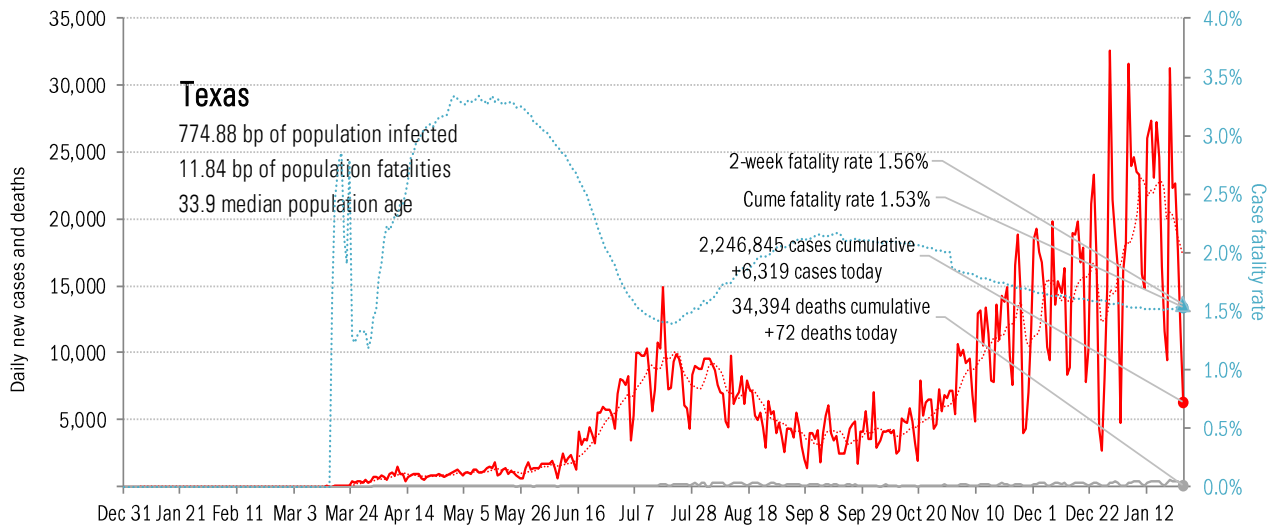
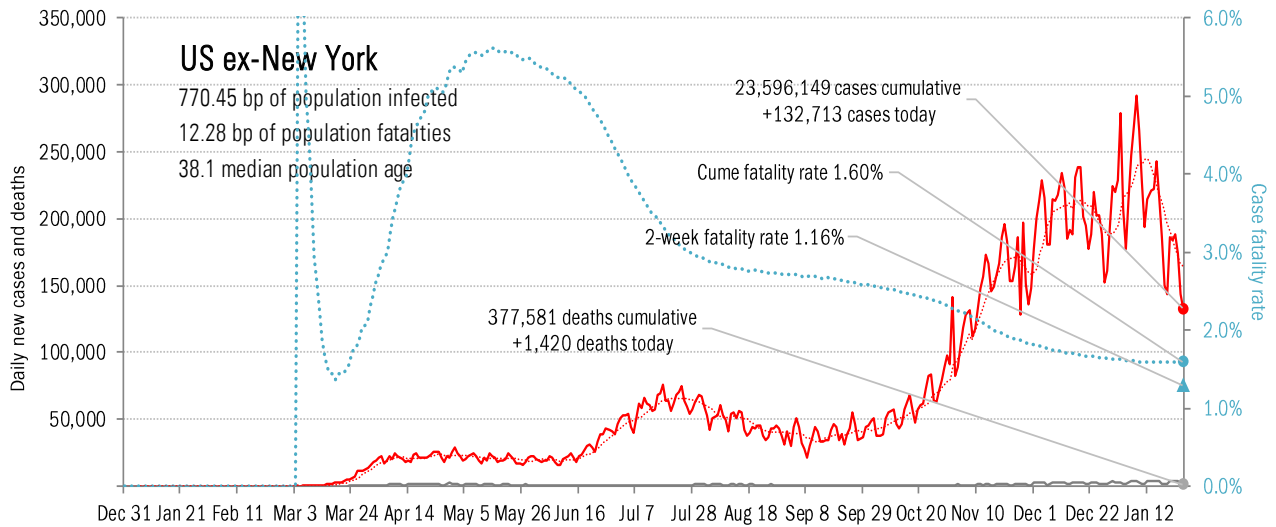
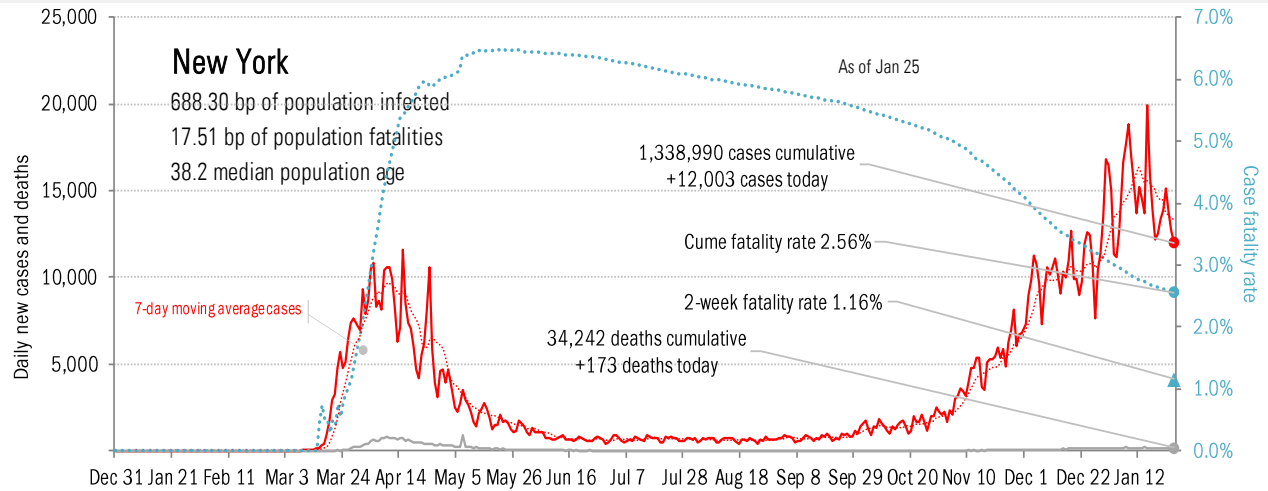


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



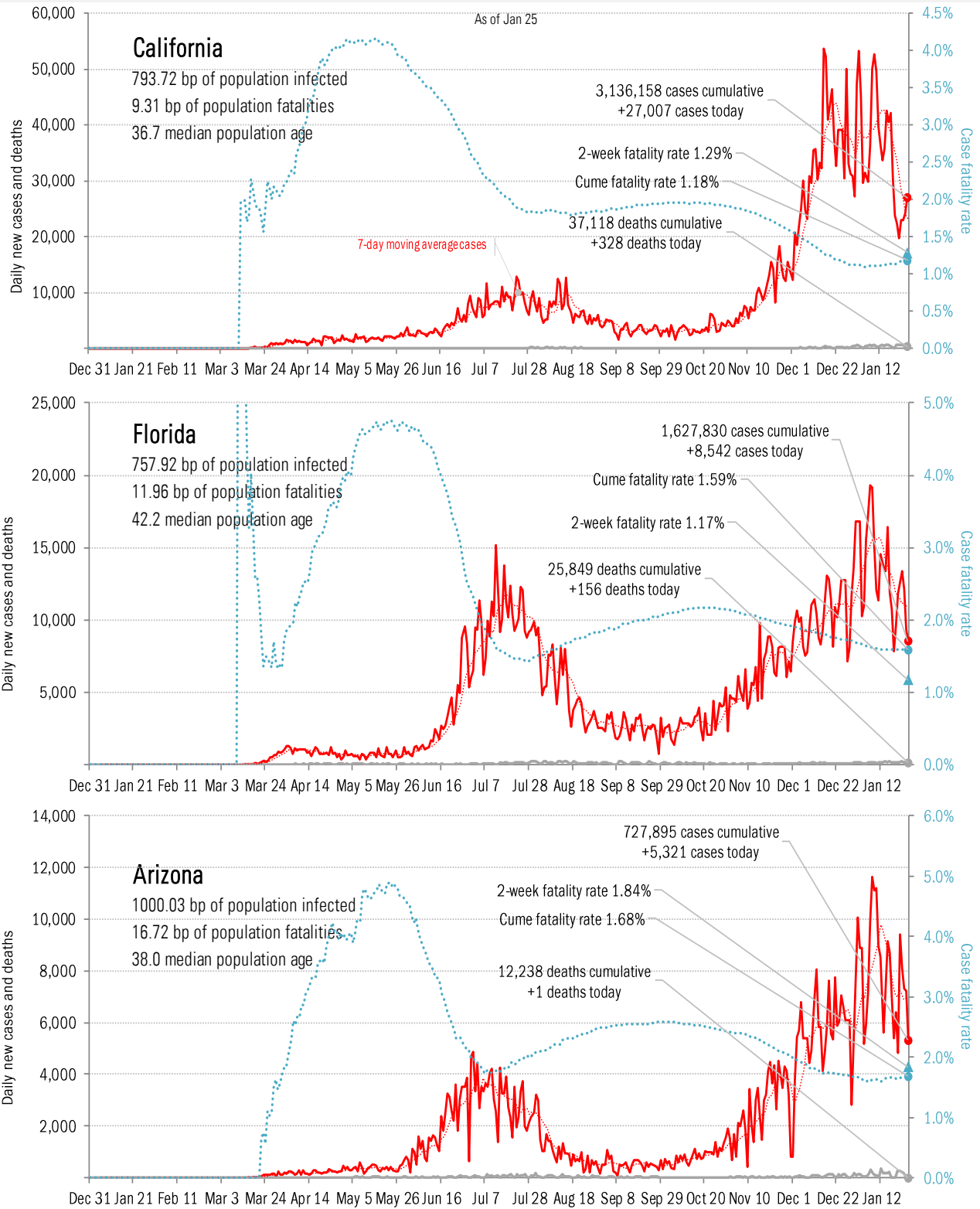
Source: [IHME Covid Tracking Project](#) TrendMacro calculations

From Ground Zero to the Rio Grande



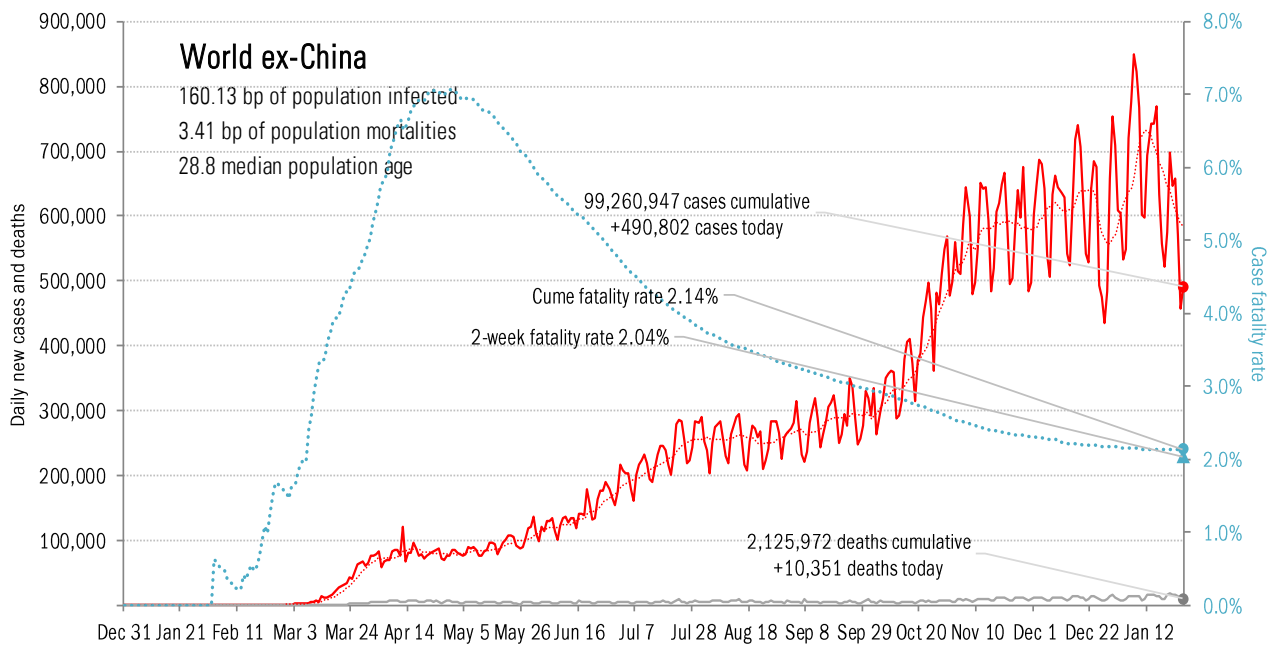
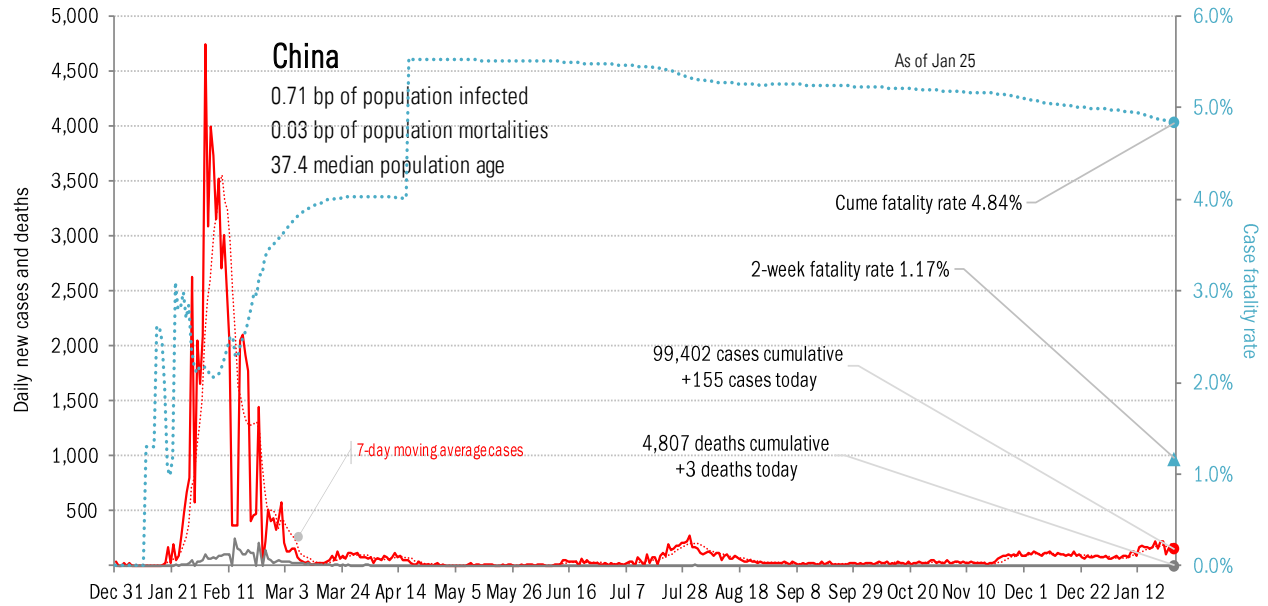
Source: [Covid Tracking Project](#), TrendMacro calculations

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



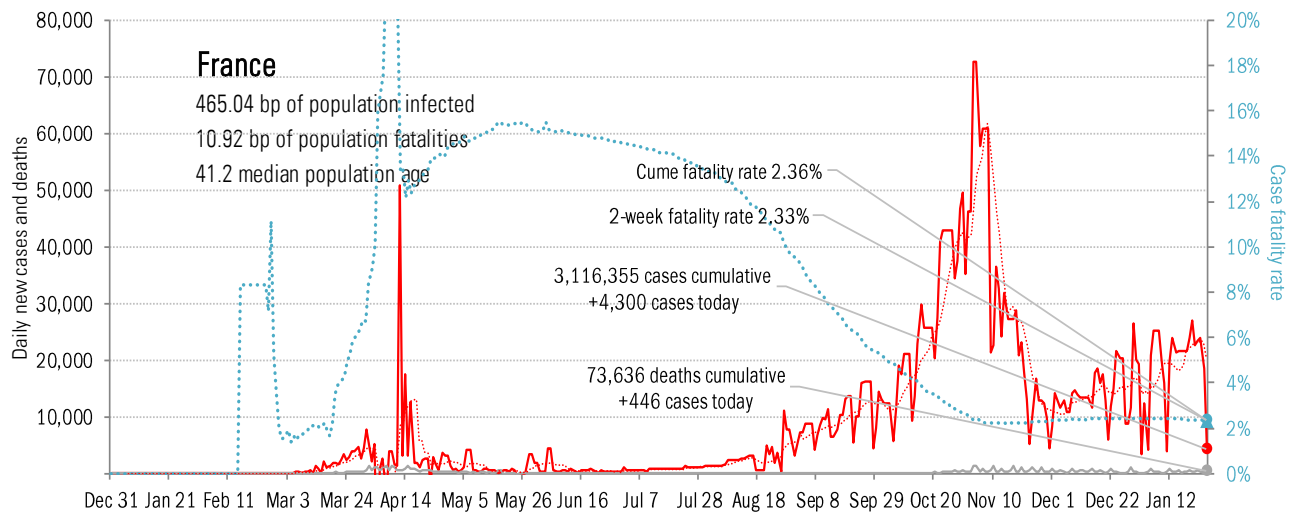
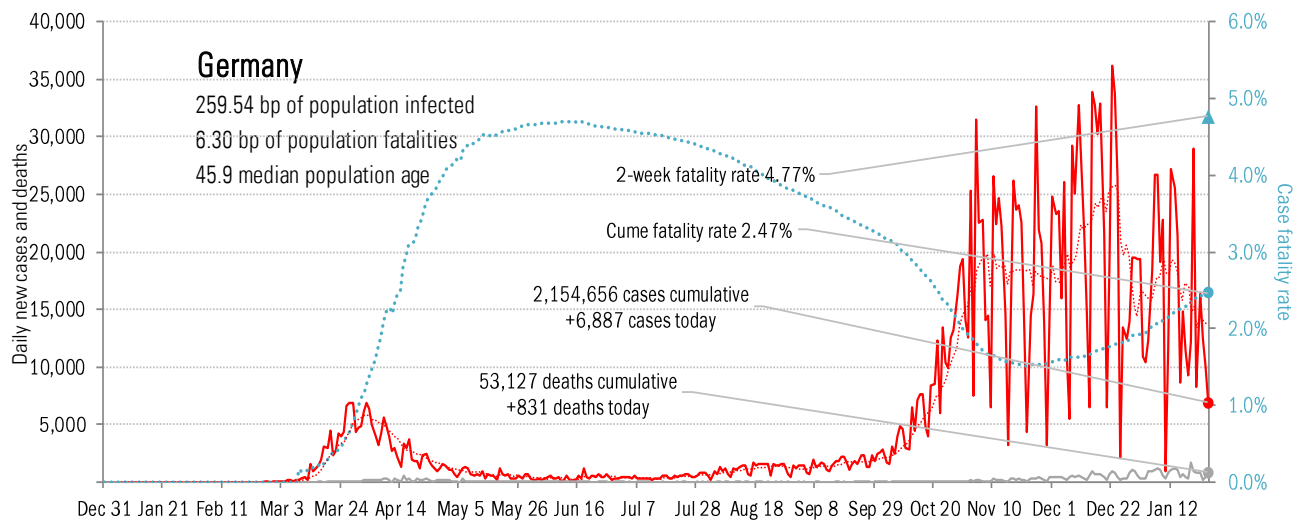
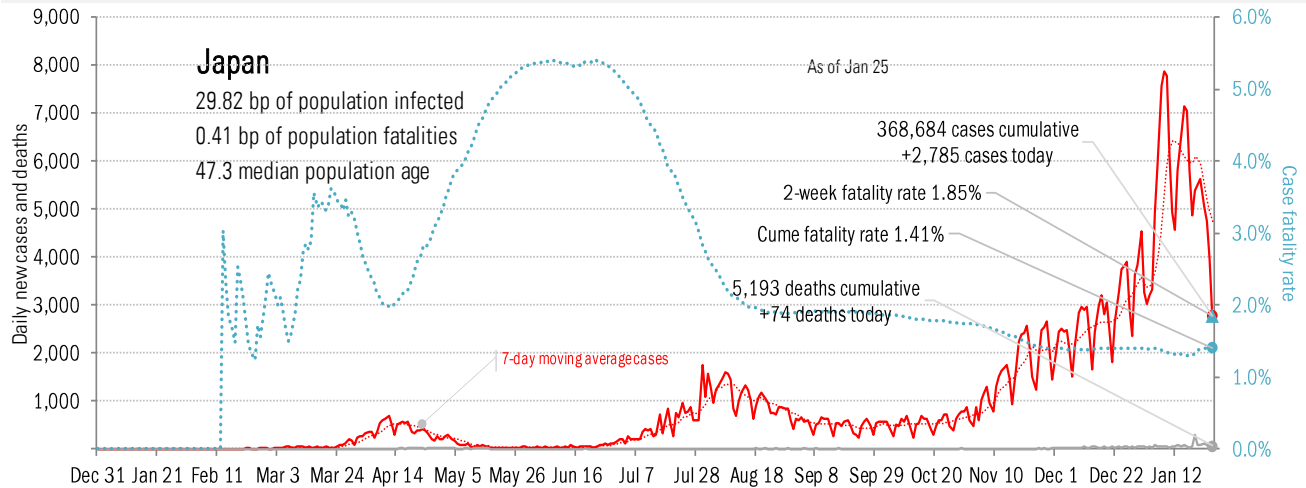
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



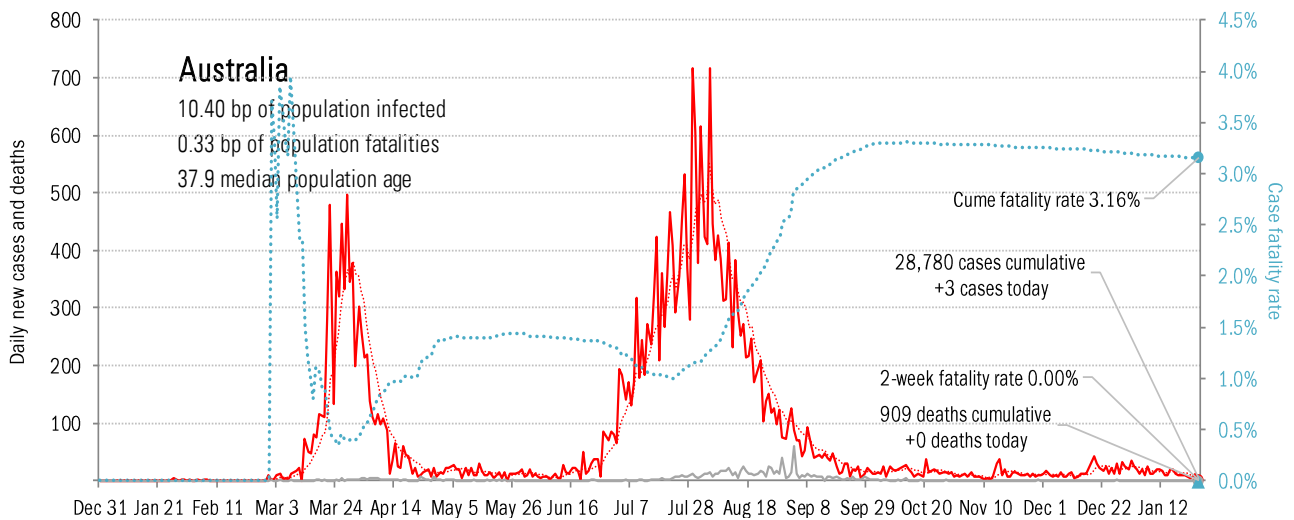
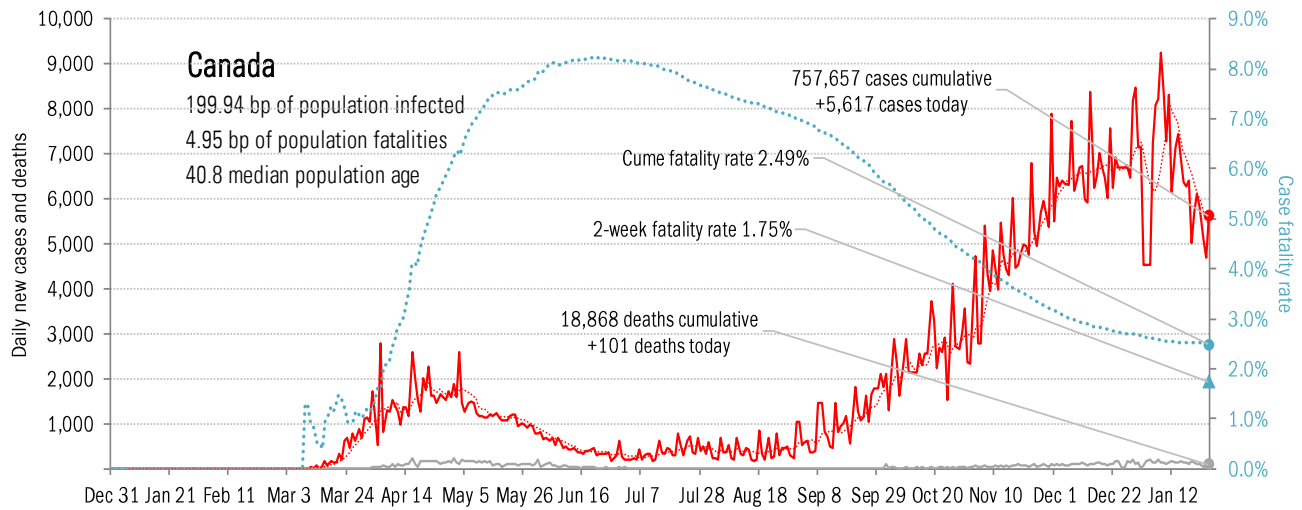
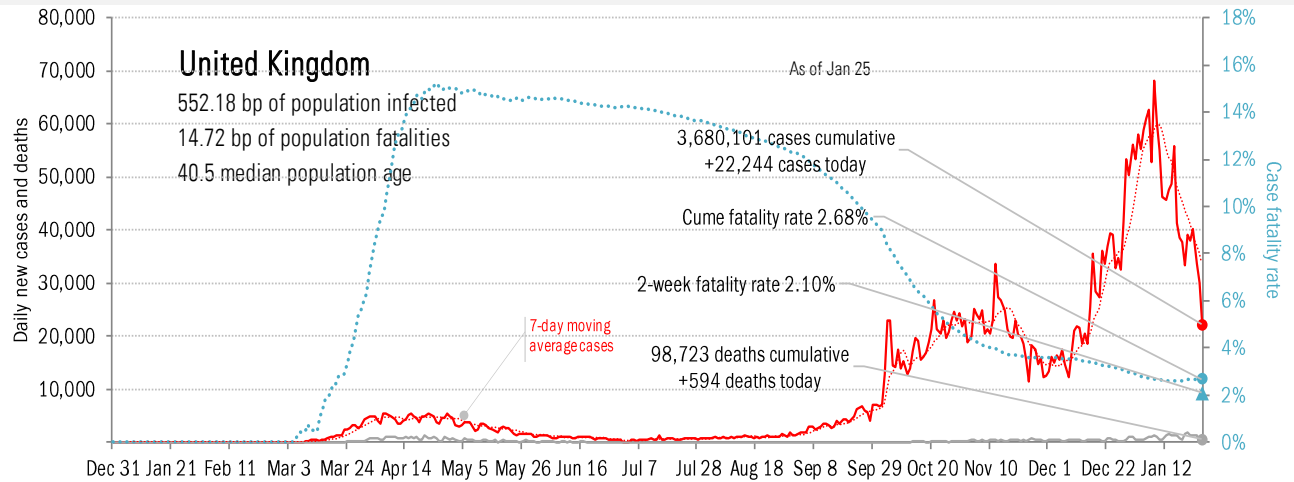
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



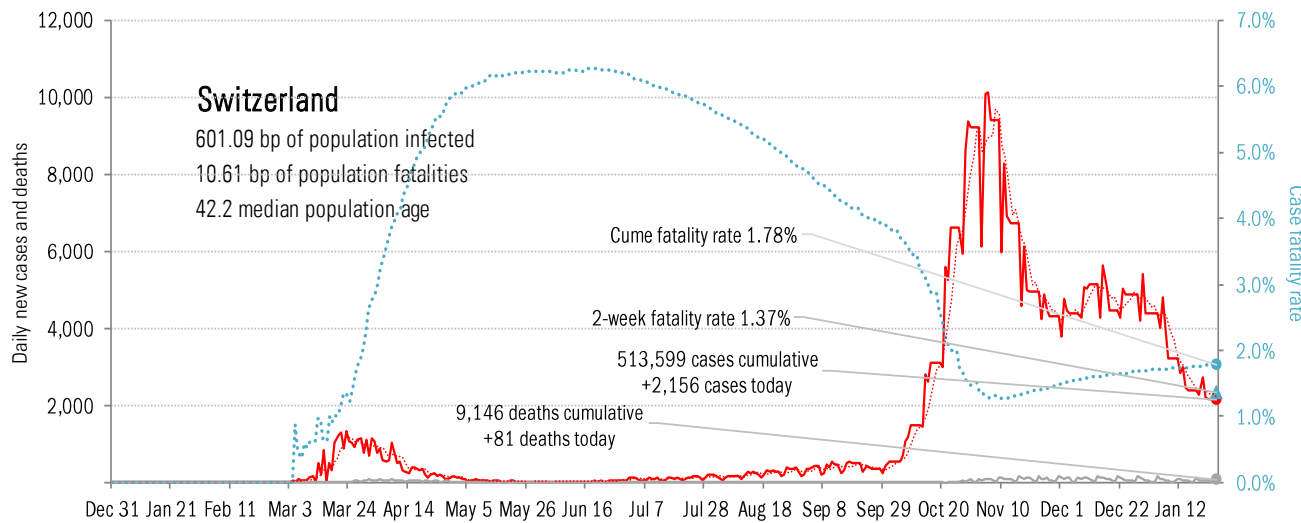
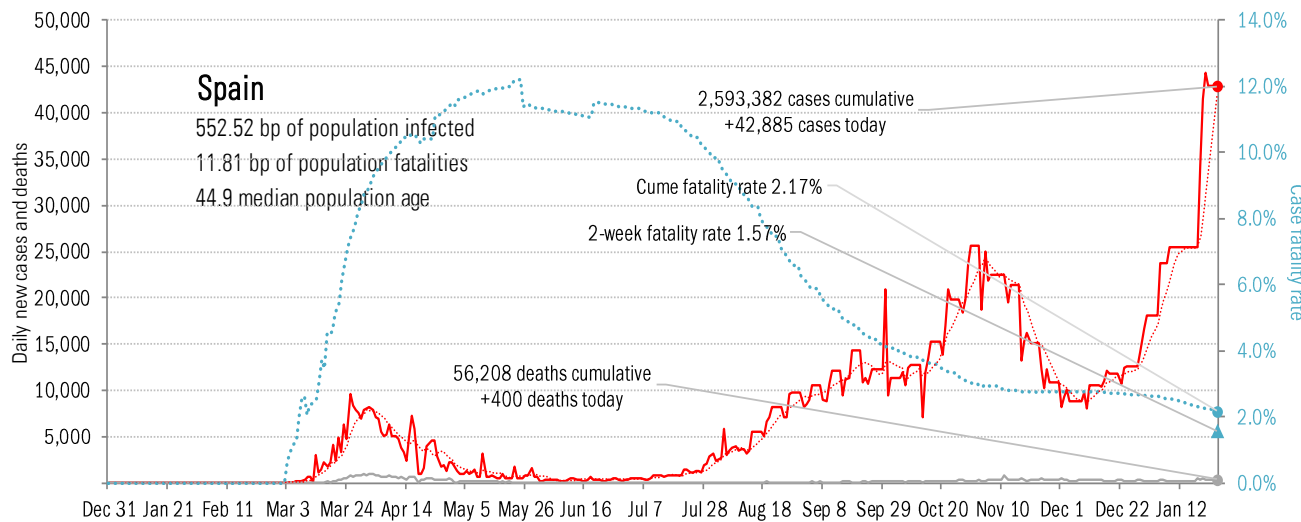
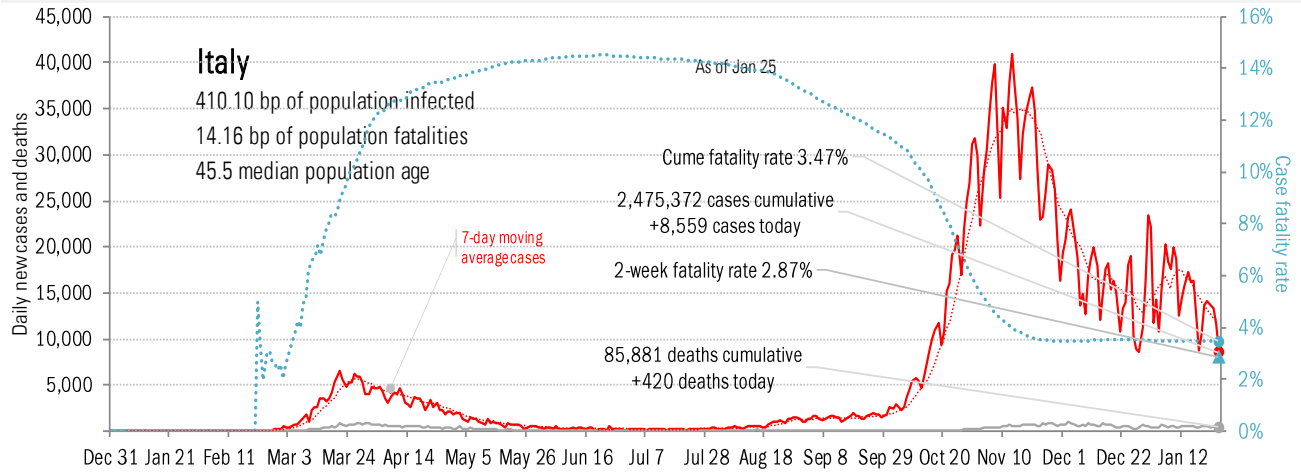
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



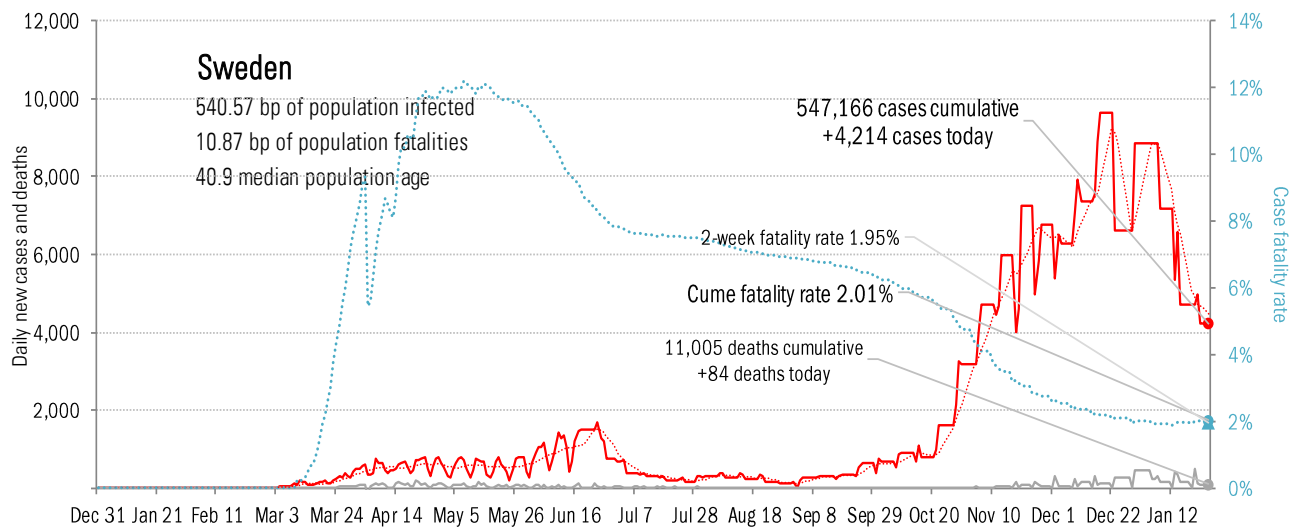
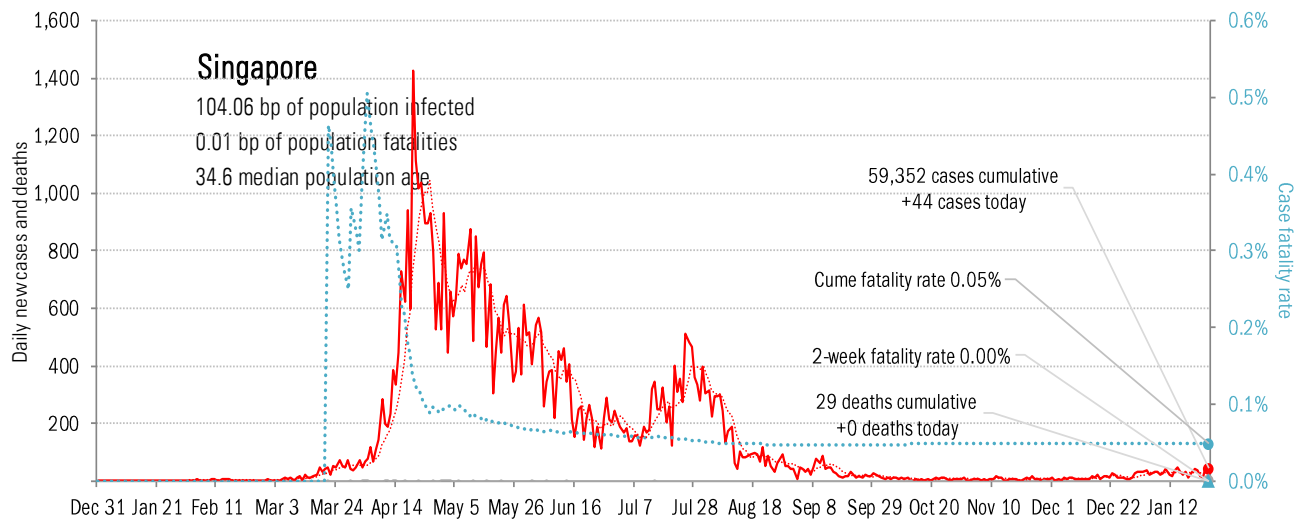
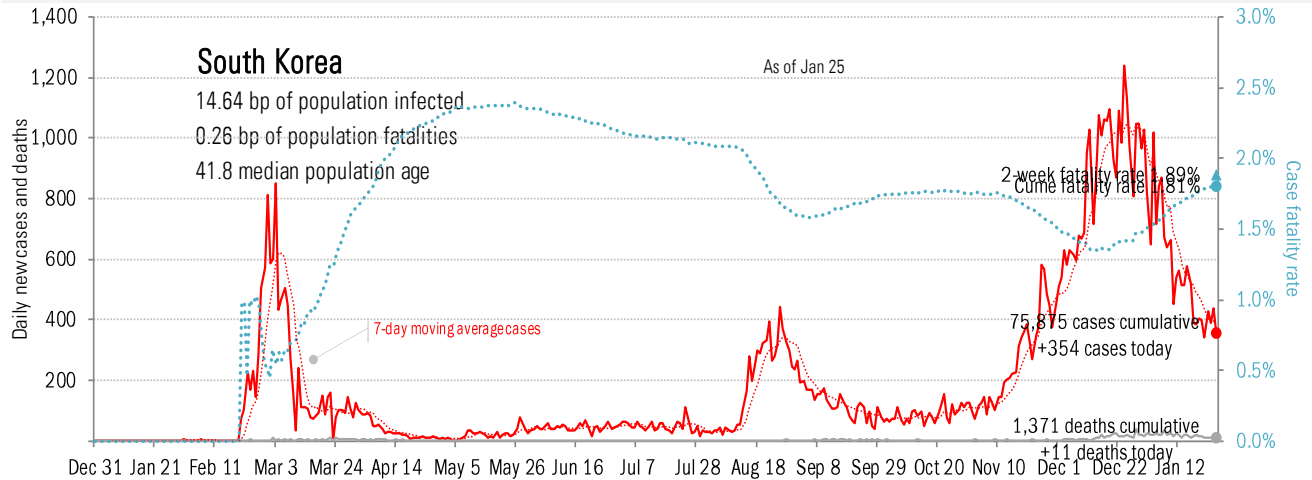
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



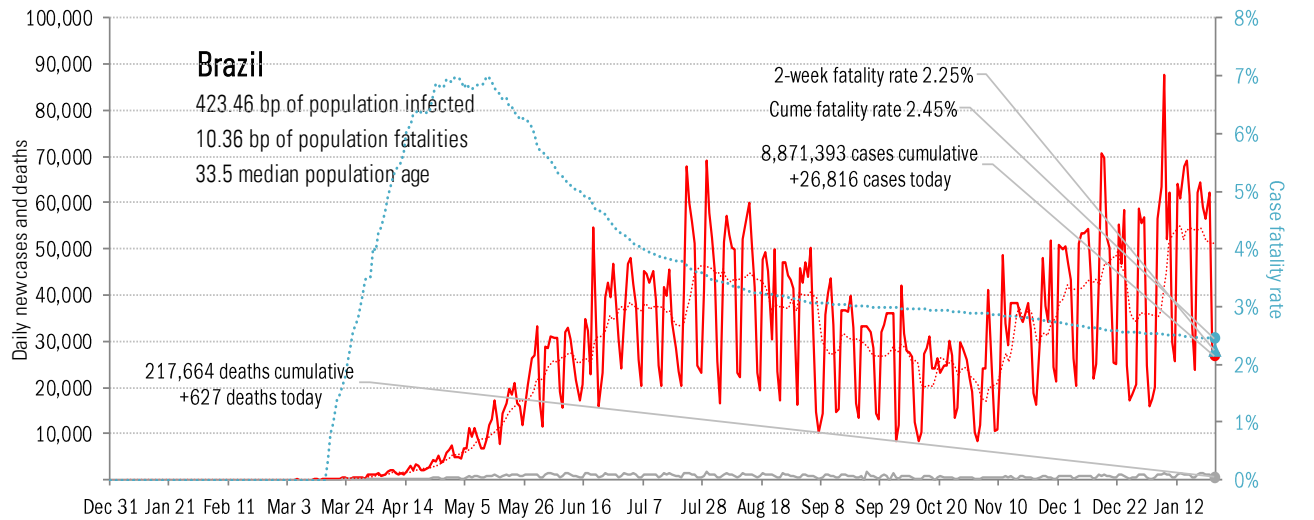
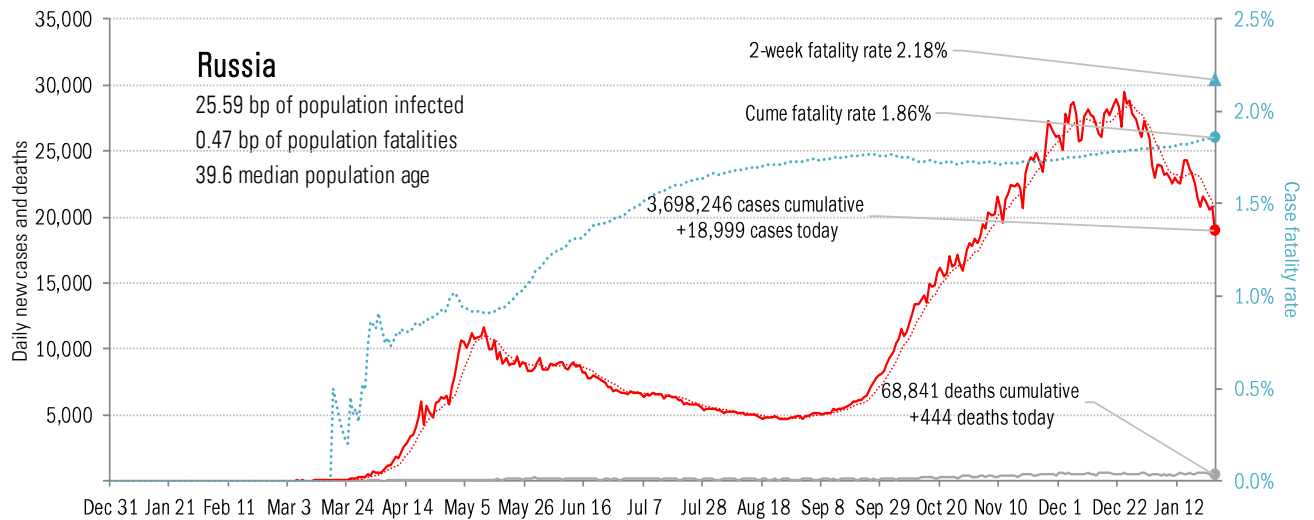
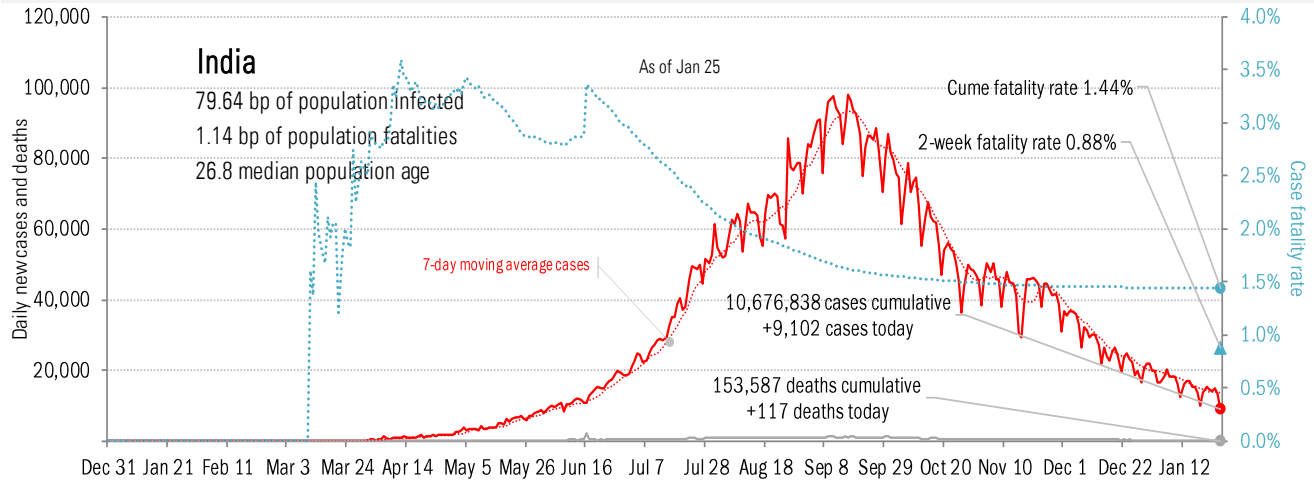
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



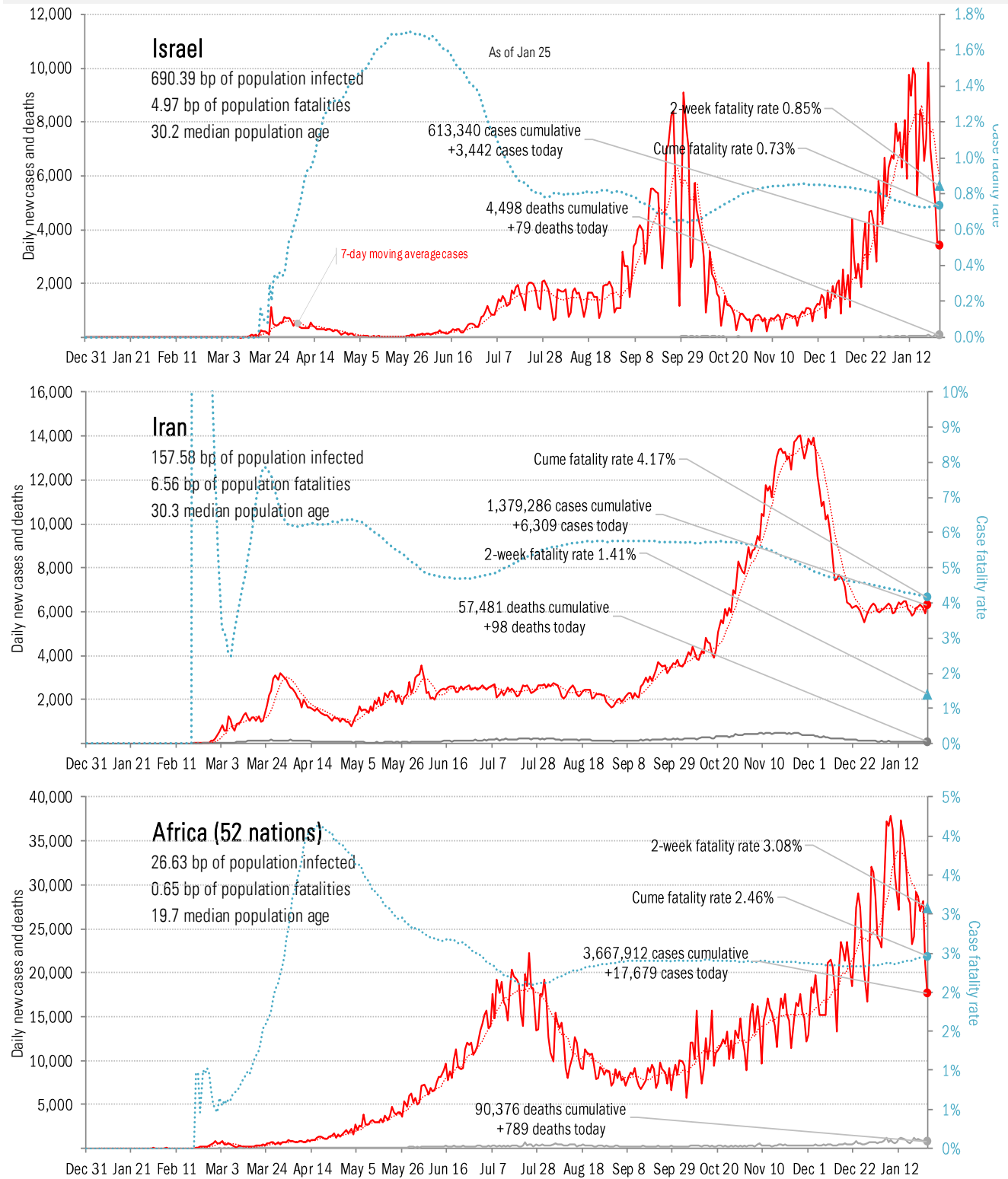
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



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

Impact in the Middle East and Africa



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