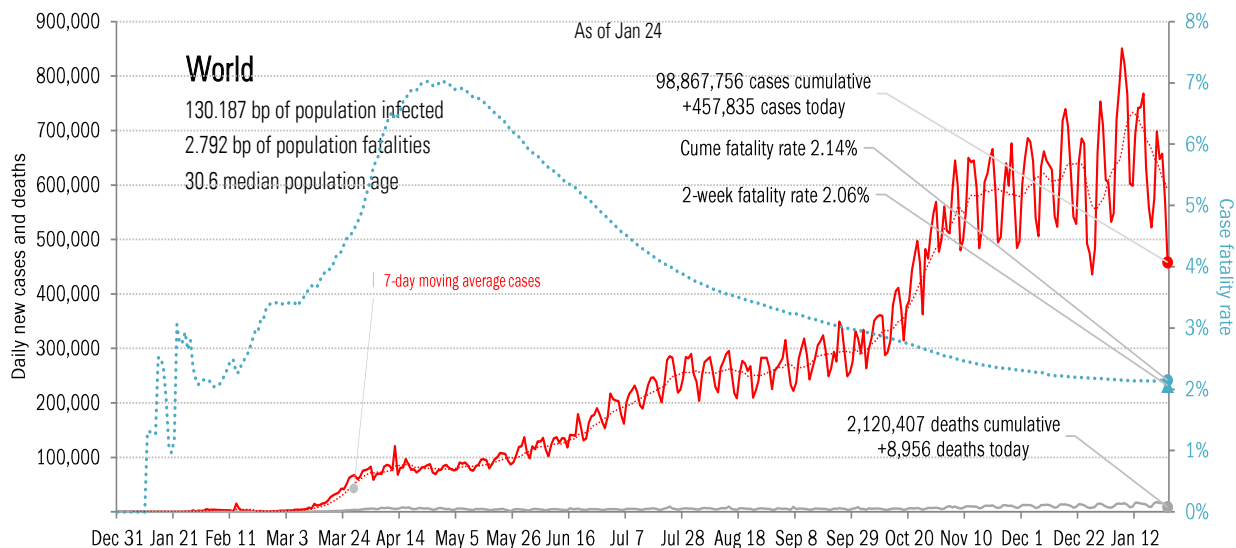
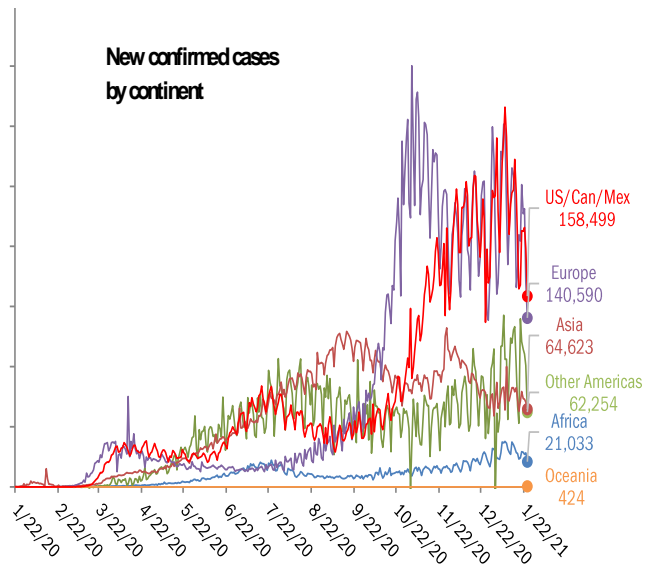


Data Insights: Covid-2019 Monitor

Monday, January 25, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+142,949	United States	+1,940
United Kingdom	+30,111	United Kingdom	+611
Brazil	+28,323	Brazil	+592
Russia	+20,800	Mexico	+530
France	+18,436	Russia	+478
India	+13,203	Germany	+423
Colombia	+12,516	Colombia	+392
Indonesia	+11,788	Peru	+334
Portugal	+11,721	South Africa	+300
Italy	+11,628	Italy	+299
+301,475		+5,899	
World	+457,835	World	+8,956
Top ten	66%	Top ten	66%



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

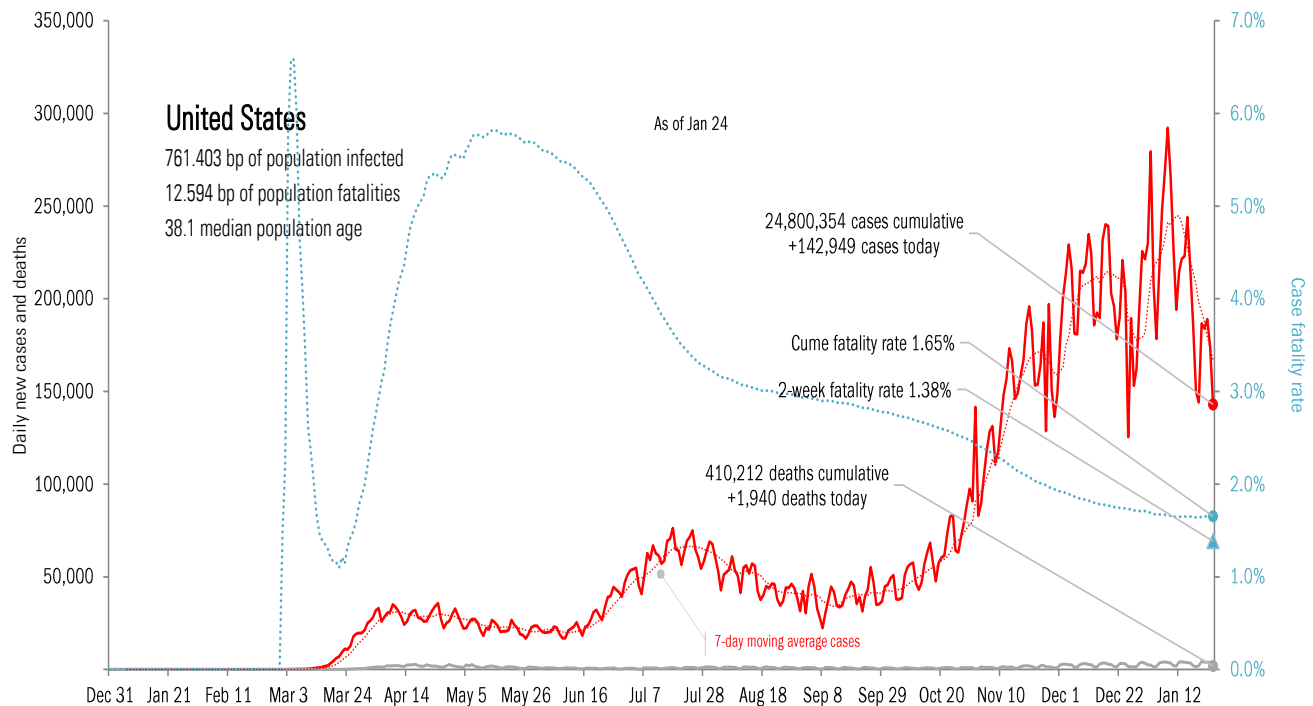
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	+24,111		CA	+429		CO	+21		CA	3,109,151		CA	36,790		NY	89,995		RI	89%	AL	92%
NY	+12,720		TX	+208		FL	+16		TX	2,240,526		TX	34,322		FL	71,219		CT	81%	GA	90%
TX	+11,565		NY	+162		NH	+10		FL	1,619,288		NY	34,069		NJ	59,369		SC	80%	CA	89%
FL	+9,335		FL	+132		ME	+4		NY	1,326,987		FL	25,693		AZ	50,264		CA	80%	DE	87%
AZ	+7,217		NC	+109		GJ	+2		IL	1,101,819		NJ	20,951		GA	48,385		DC	80%	CK	86%
NC	+6,096		PA	+83		VT	+2		CH	864,322		IL	20,680		CH	44,783		MD	79%	TX	85%
NJ	+5,272		LA	+82		AK	+1		PA	803,933		PA	20,609		AL	40,514		GA	79%	NC	85%
SC	+4,536		MA	+69		AS	+0		AZ	722,574		MI	15,181		IN	39,505		MA	78%	MO	83%
CH	+4,481		AZ	+68		CT	+0		NC	718,812		MA	14,133		MD	31,034		FL	78%	DC	83%
GA	+4,210		SC	+68		H	+0		GA	718,532		GA	13,250		MN	23,884		MO	77%	R	82%
+89,543			+1,410			+56			13,225,944			235,678			498,952						
All states	+142,949			+1,940			-2981		All states	24,800,354			410,212			784,945		All states	73%		76%
Top ten	63%			73%			-2%		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	-6,107	MI	-230	TX	-375	TX	+11,088
FL	-2,769	TX	-199	NM	-195	CH	+6,953
GA	-2,362	GA	-182	NY	-145	TN	+3,052
NJ	-1,875	AL	-168	KY	-107	CK	+2,585
IL	-1,860	CA	-164	LA	-106	UT	+1,836

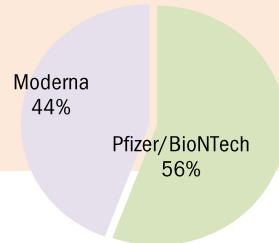


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US

US overall	Over last day
41.41 million doses distributed	+0.00 million/day
21.85 million doses administered	+1.31 million/day
18.50 million persons with one or more shot	+1.11 million/day
3.22 million persons with two or more shots	+0.19 million/day
2.57 million shots in long-term care	+0.13 million/day

52.8% of distributed doses administered
6.7% of US population vaccinated
5.6% of US population one shot
1.0% of US population two shots
1.8 doses per long-term care resident



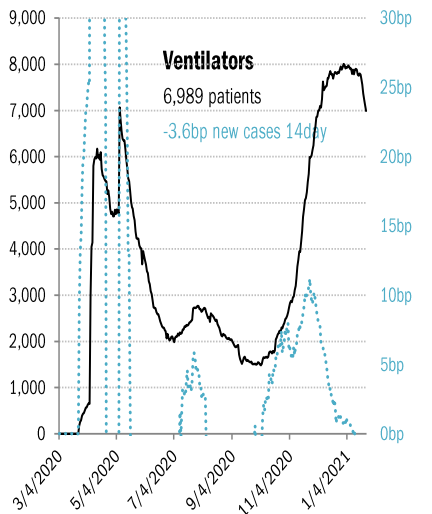
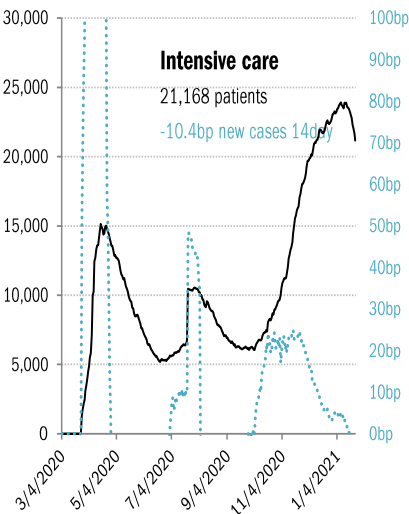
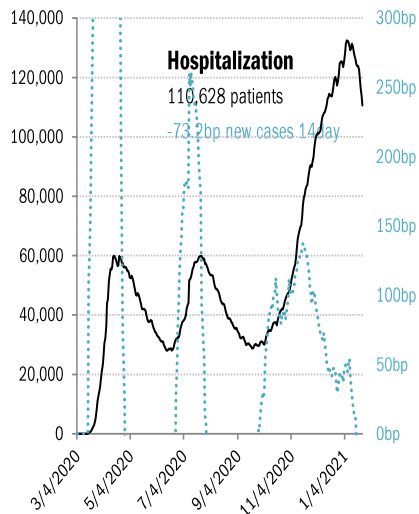
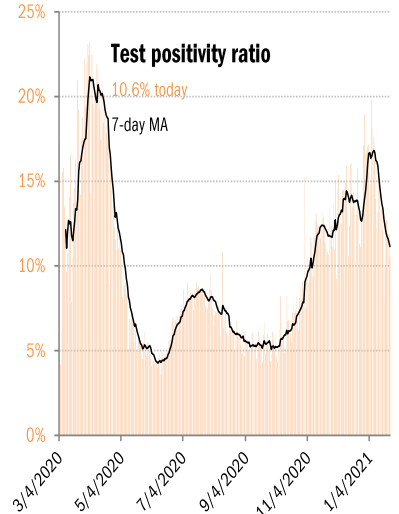
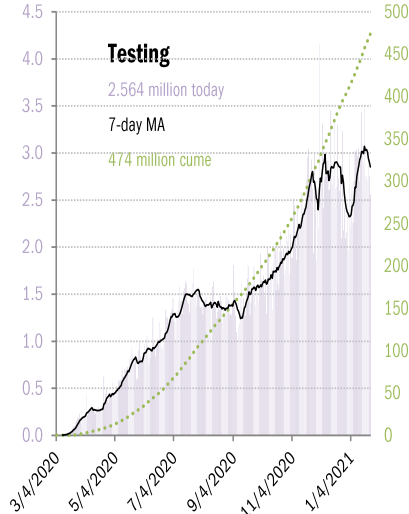
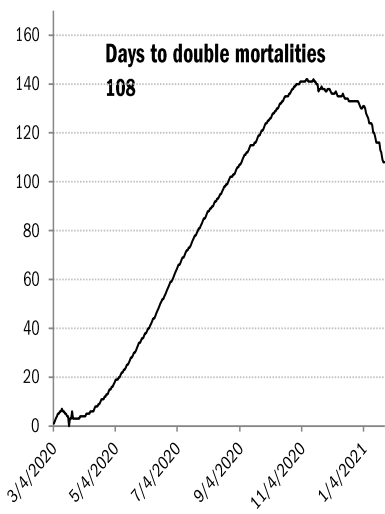
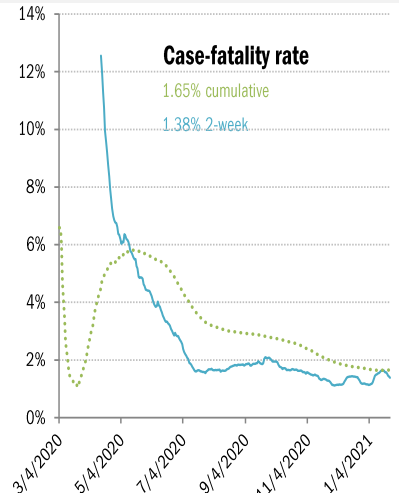
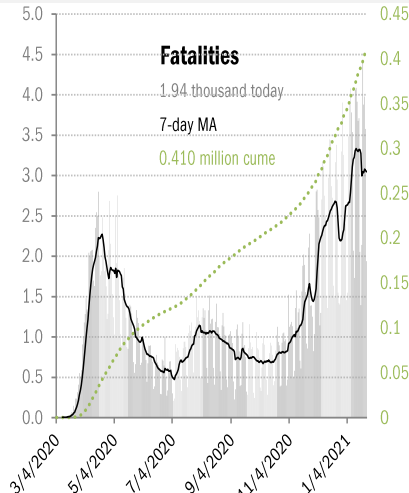
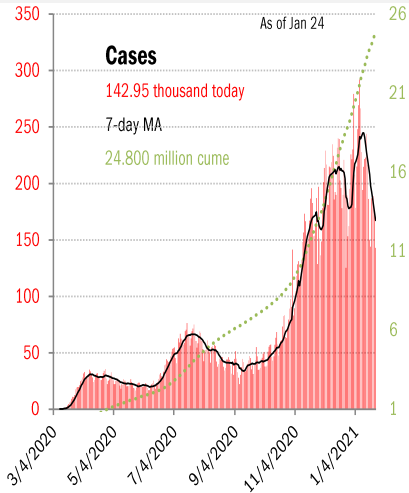
State	Doses distributed as % population	One shot received as % population	Two shots received as % distributed
AK	21.3%	10.7%	2.2%
ME	13.3%	5.9%	1.4%
VT	14.4%	6.7%	1.6%
NH	12.0%	5.9%	1.0%
WI	10.5%	4.5%	0.8%
WA	11.1%	4.9%	0.9%
ID	10.1%	4.1%	0.8%
MT	11.2%	5.8%	1.3%
ND	11.4%	7.4%	2.0%
MN	12.1%	4.5%	1.2%
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%
TX	10.6%	5.2%	0.9%
HI	13.5%	4.8%	1.2%
FL	13.5%	6.4%	0.7%
PR	11.6%	4.5%	1.2%

As of Jan 24

Source: [CDC](#), TrendMacro calculations

US deep-dive

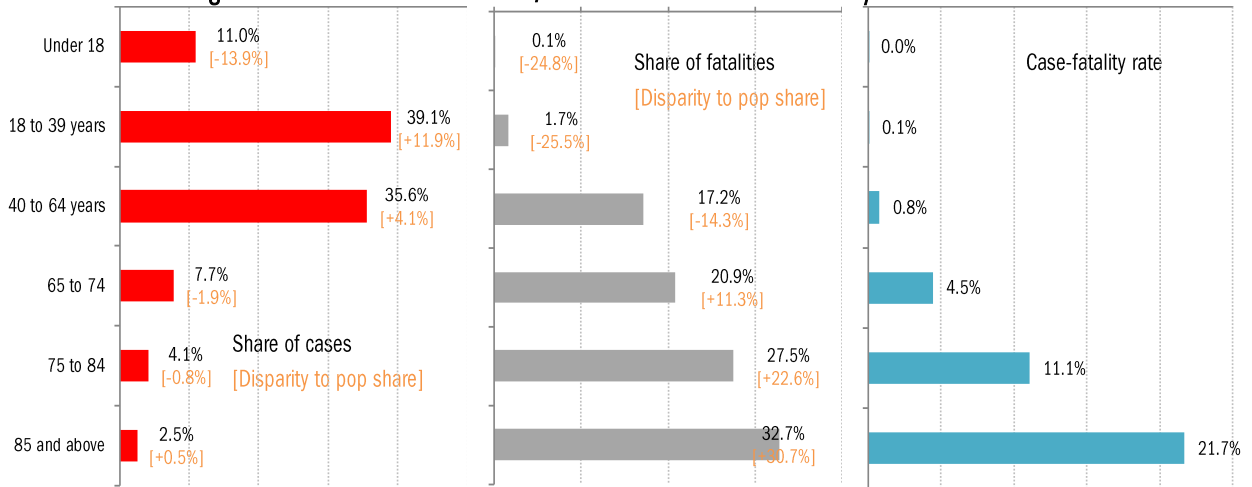
National and state-by-state data do not line up because of different sources



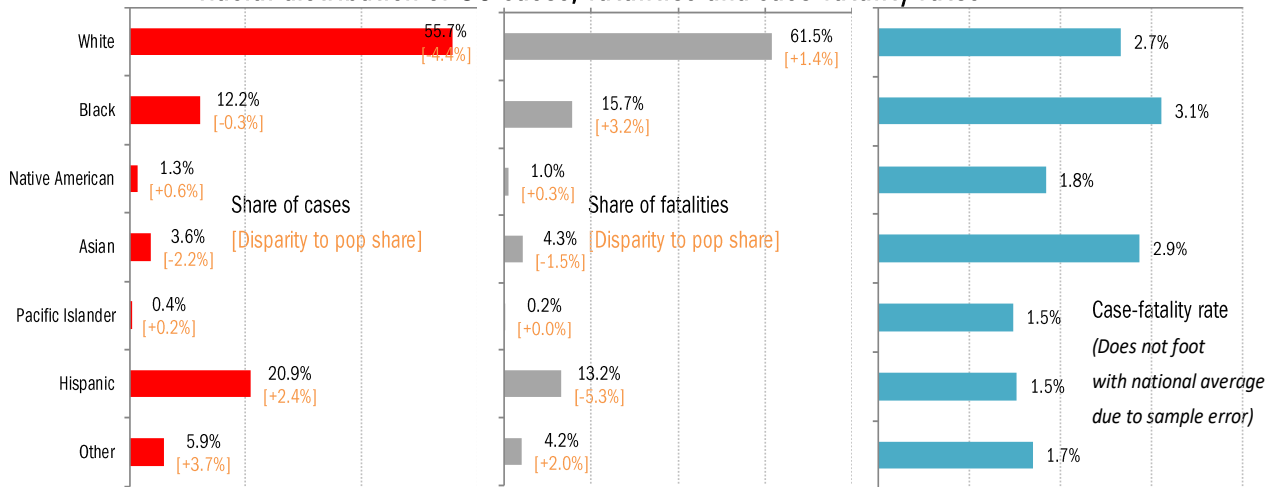
Source: [Covid Tracking Project](#), TrendMacro calculations

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

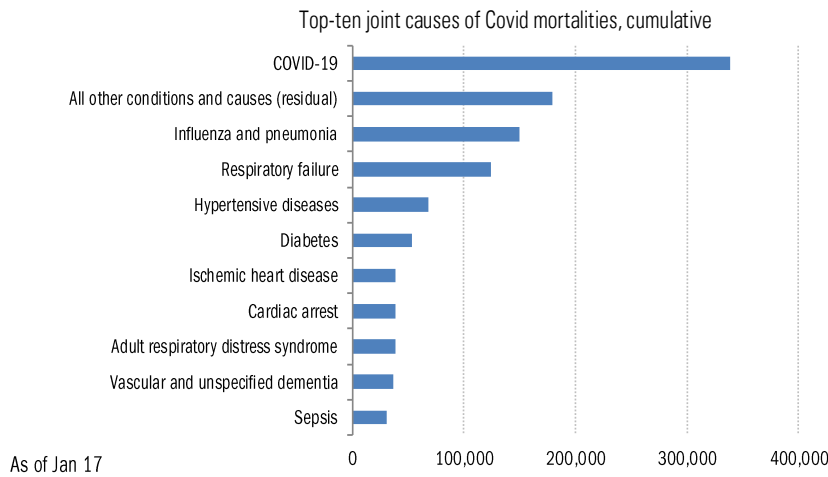
Age distribution of US cases, fatalities and case-fatality rates



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

[How West Virginia Became a U.S. Leader in Vaccine Rollout](#)

Sarah Mervosh
New York Times
January 24, 2021

[Special Report: How U.S. CDC missed chances to spot COVID's silent spread](#)

Ned Parker, Chad Terhune
Reuters
January 22, 2021

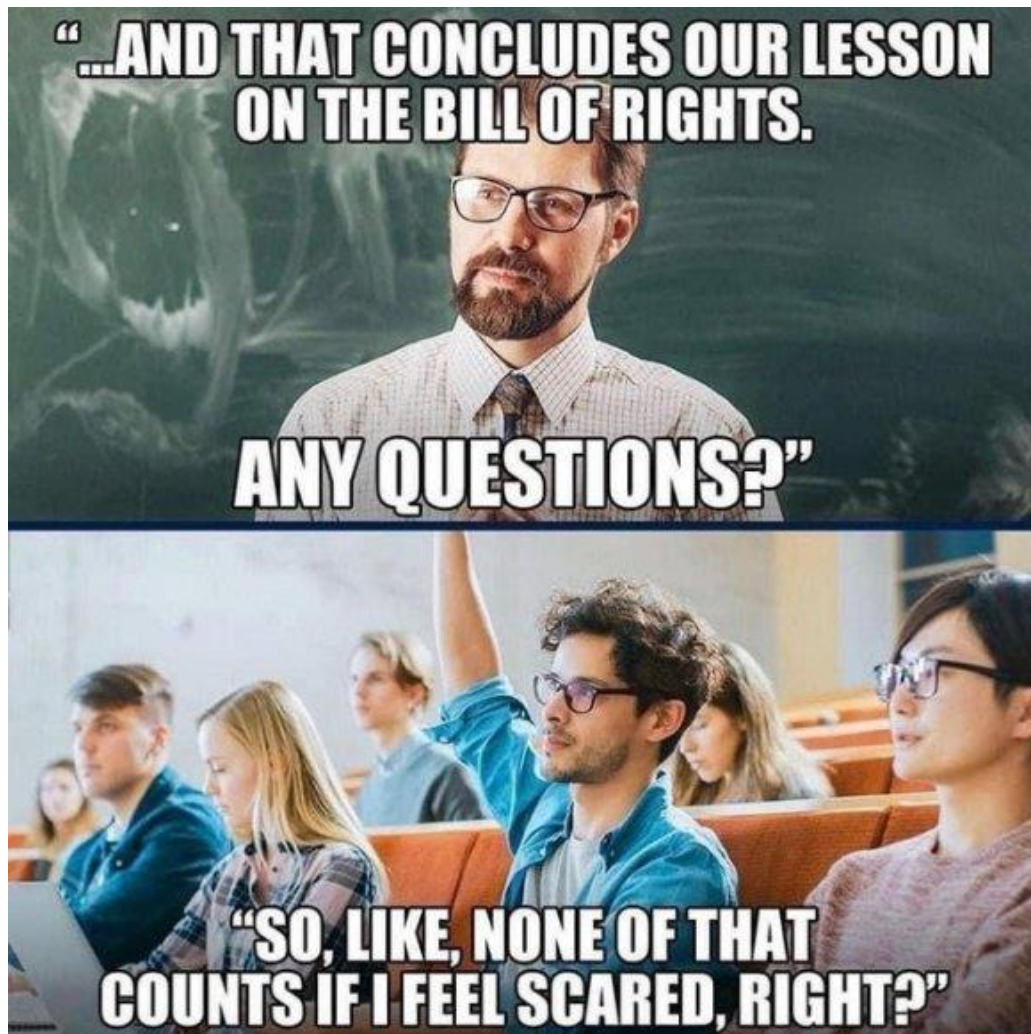
[Surge of Student Suicides Pushes Las Vegas Schools to Reopen](#)

Erica L. Green
New York Times
January 24, 2021

[State Lessons in Vaccine Rollouts](#)

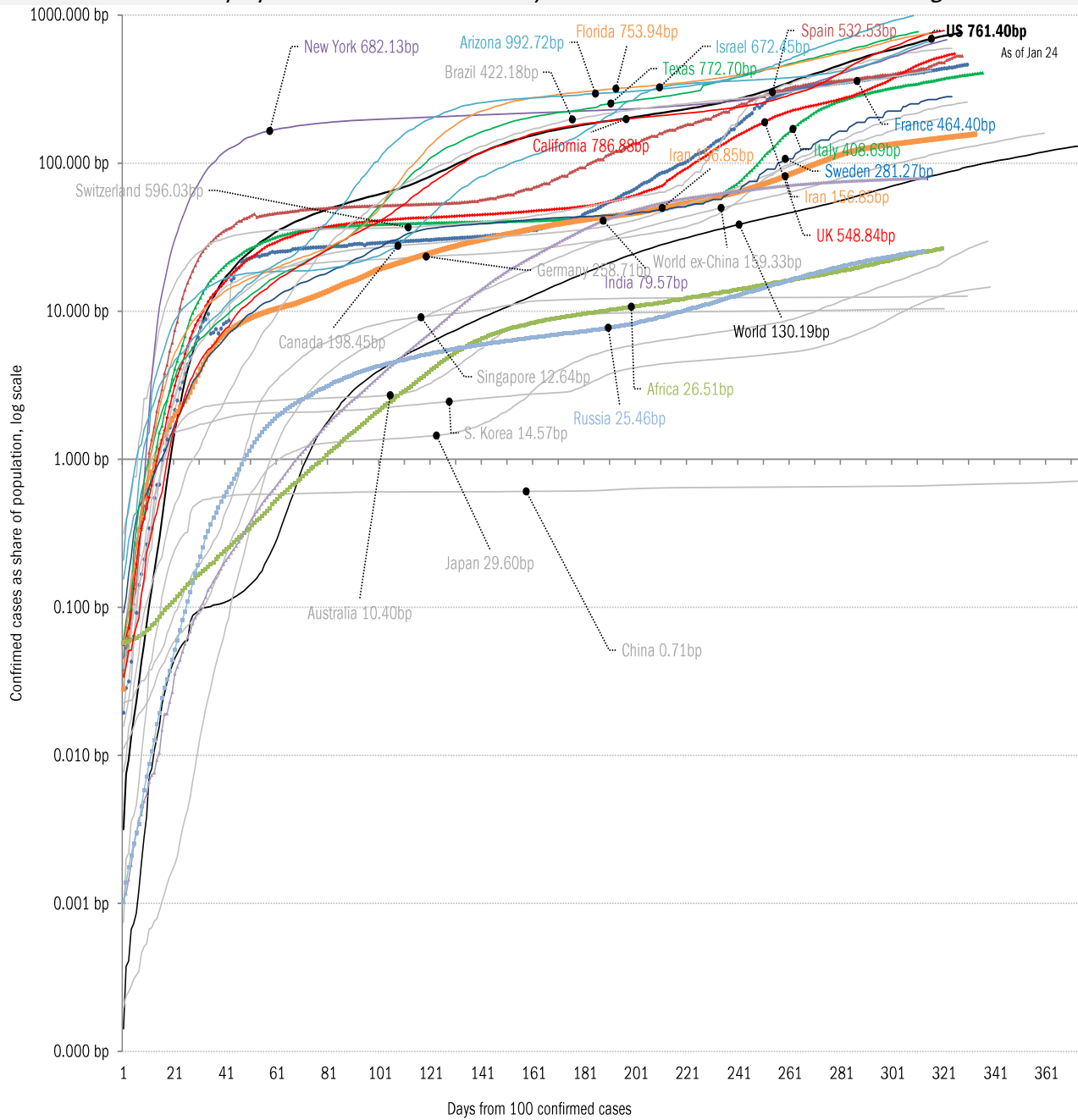
Wall Street Journal
January 24, 2021

Meme of day



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

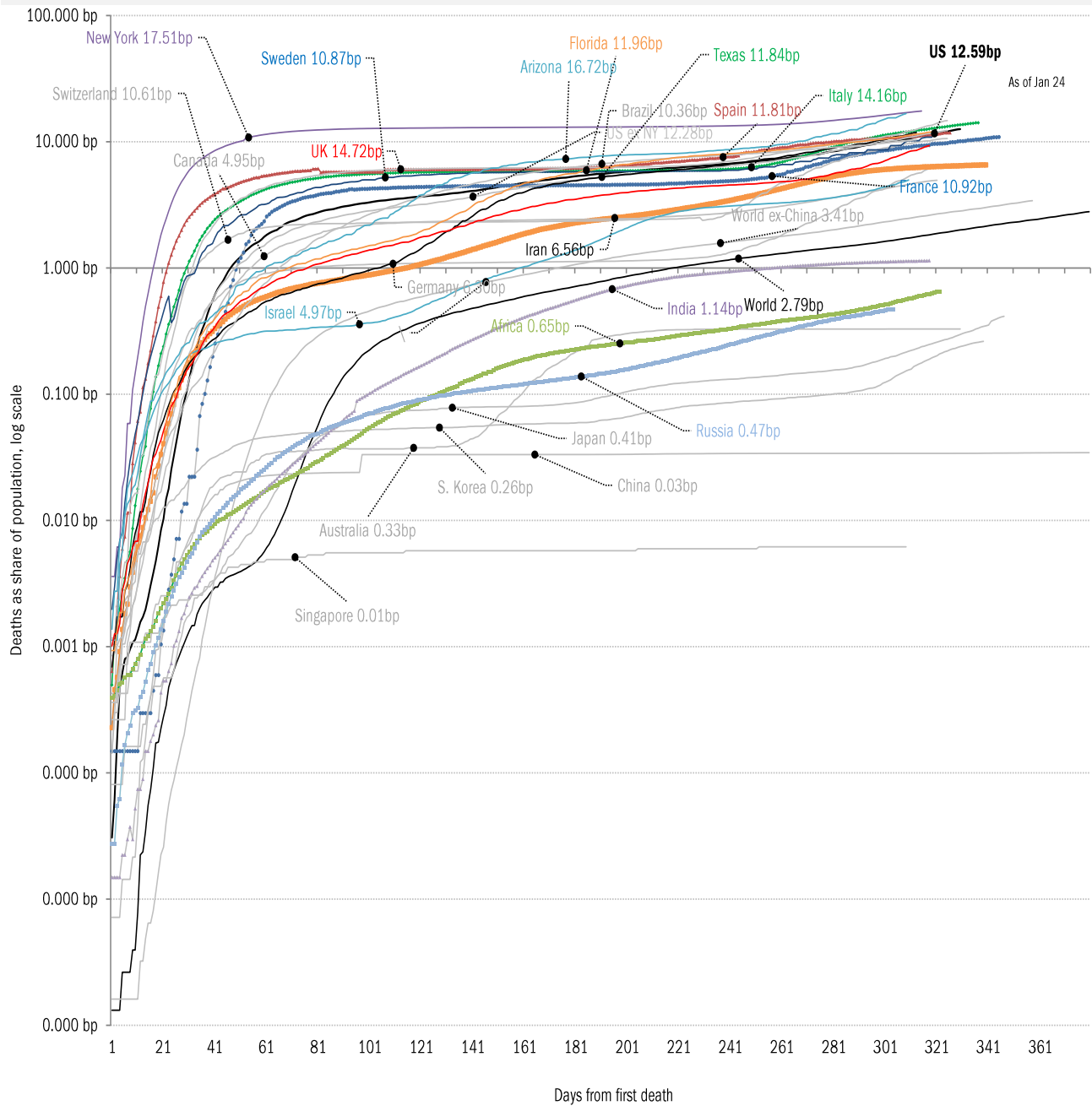
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

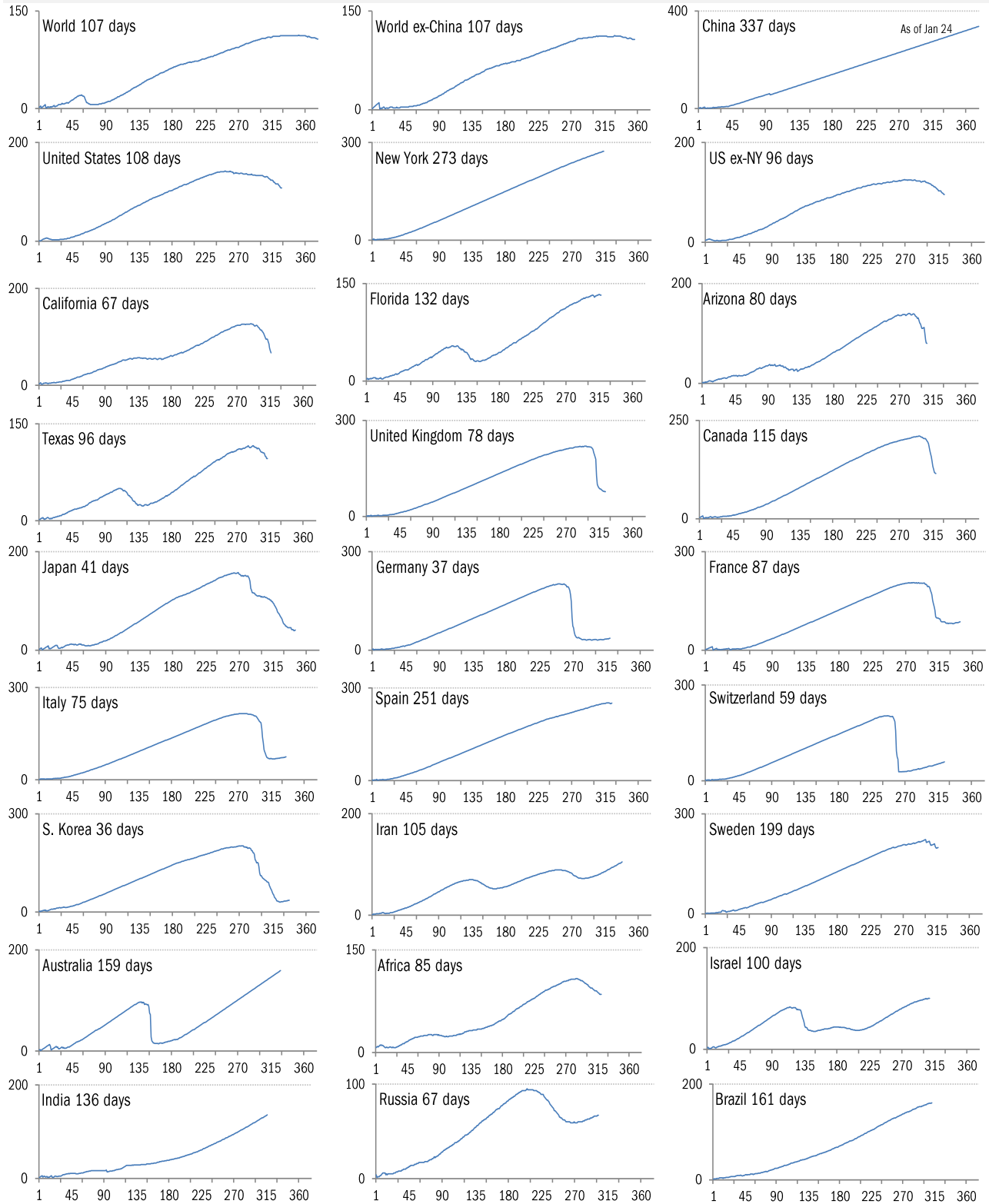


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

"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

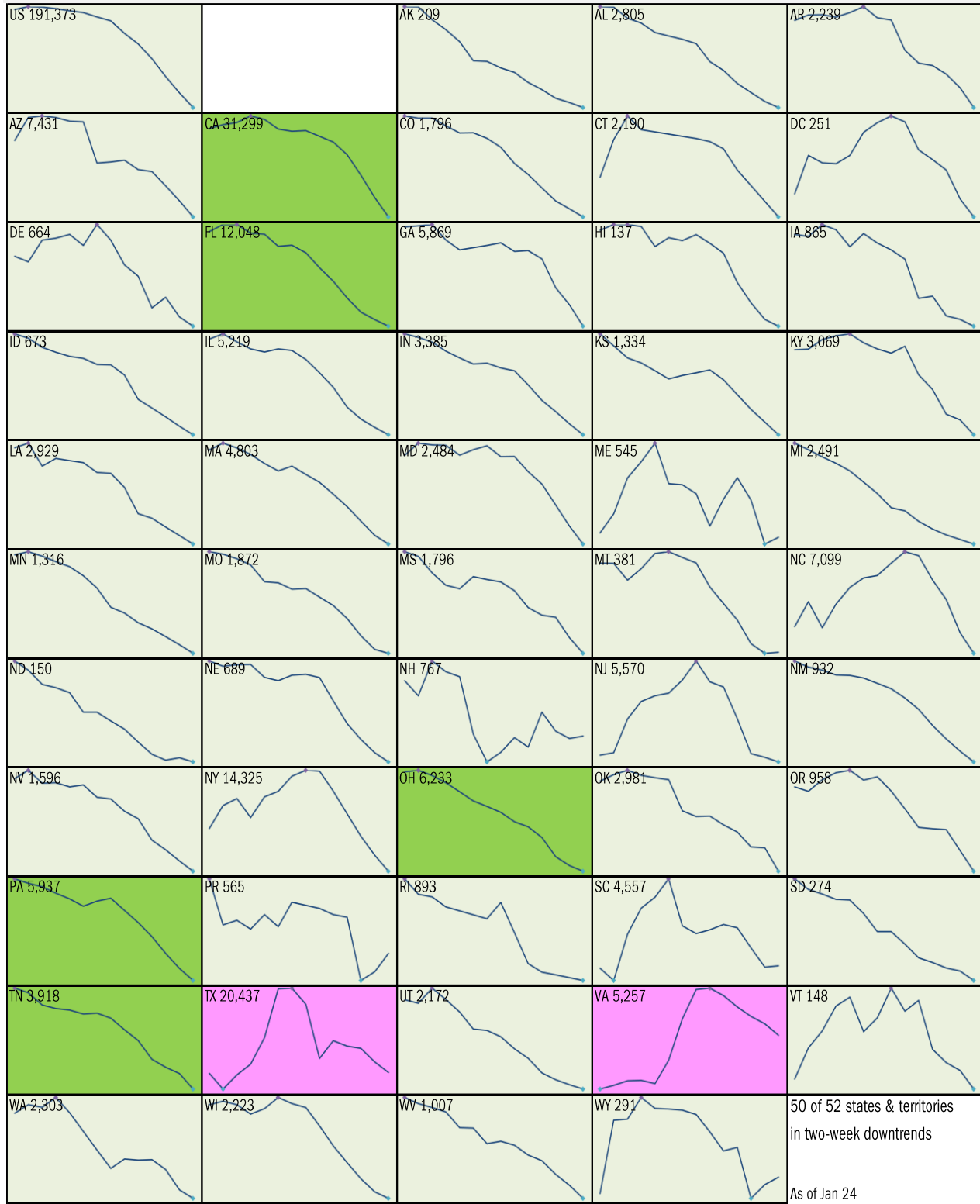


Source: [Johns Hopkins, Covid Tracking Project](#), TrendMacro calculations

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

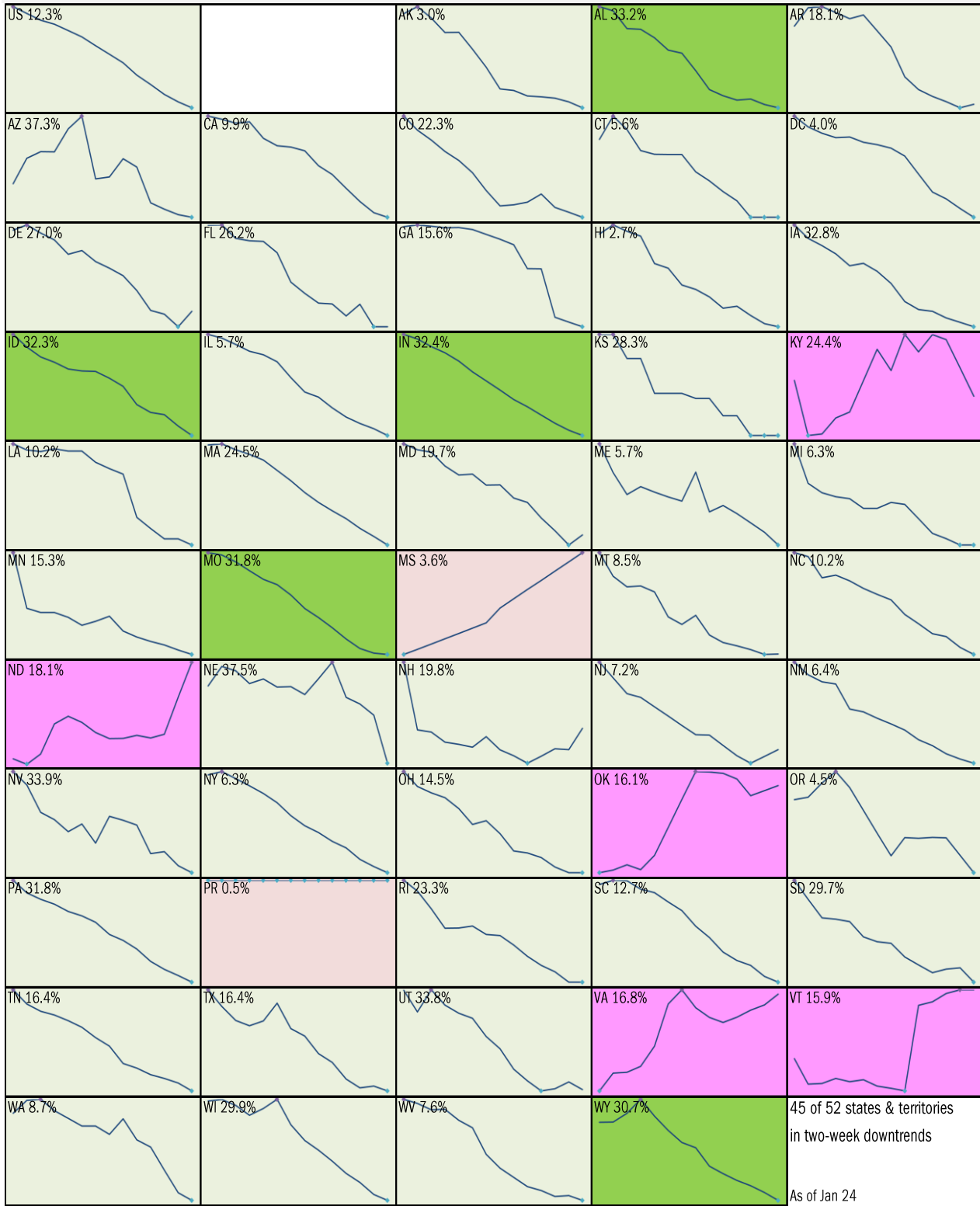


Source: [Covid Tracking Project](#), TrendMacro calculations

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



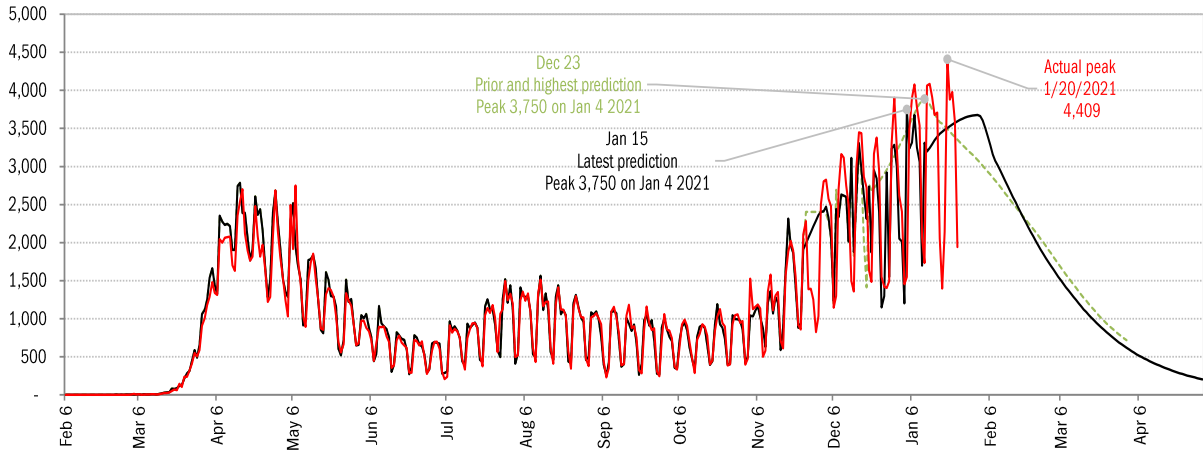
Source: [Covid Tracking Project](#), TrendMacro calculations

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

New daily fatalities

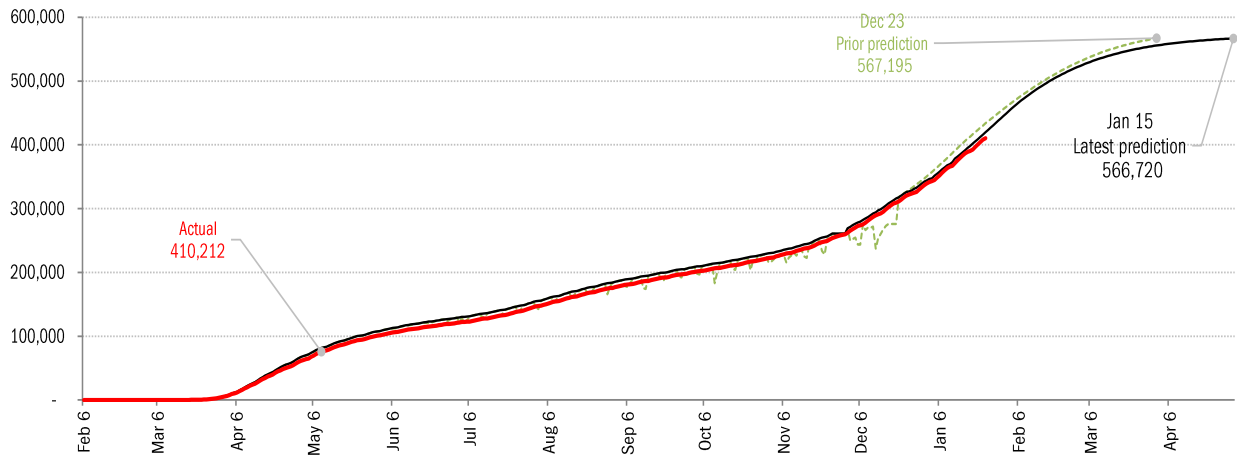
As of Jan 24

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

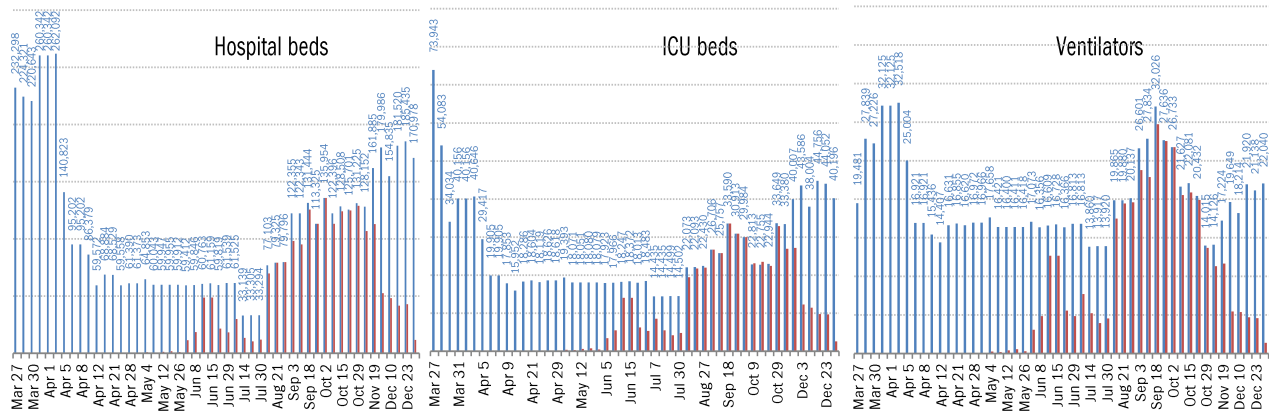


Cumulative fatalities

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

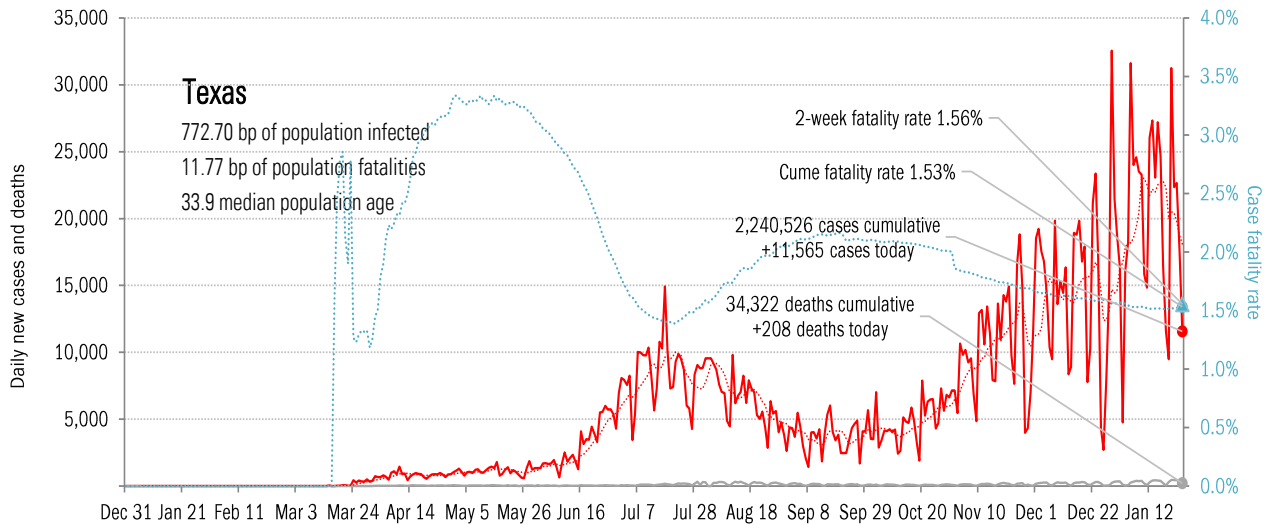
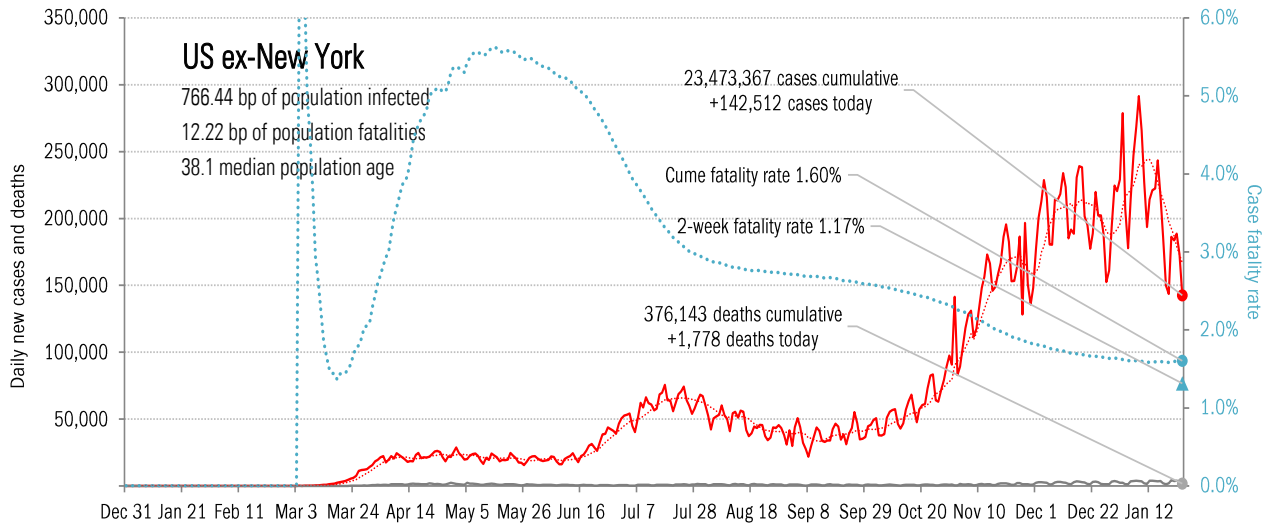
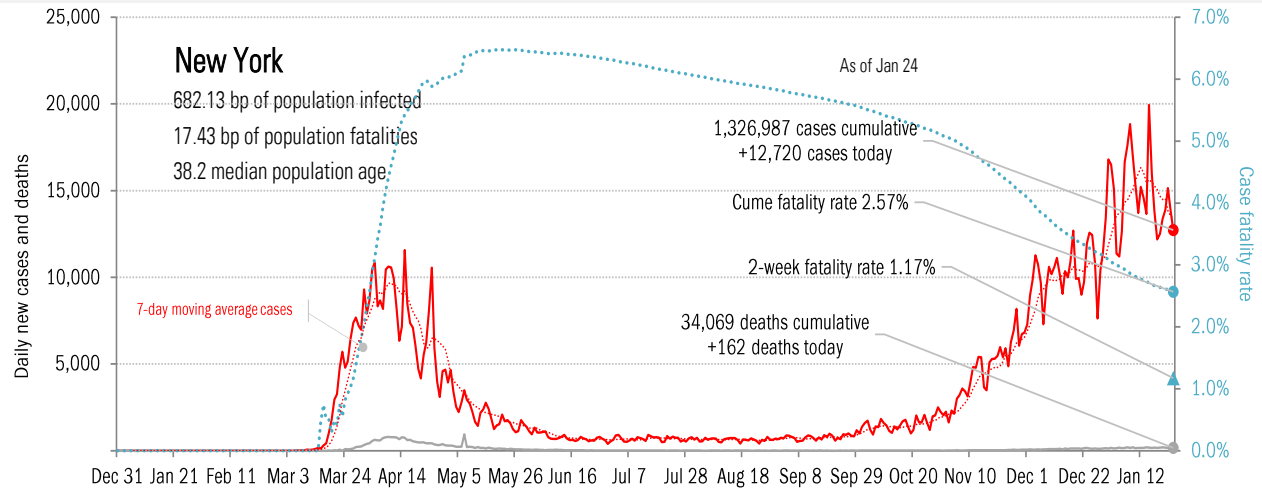


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



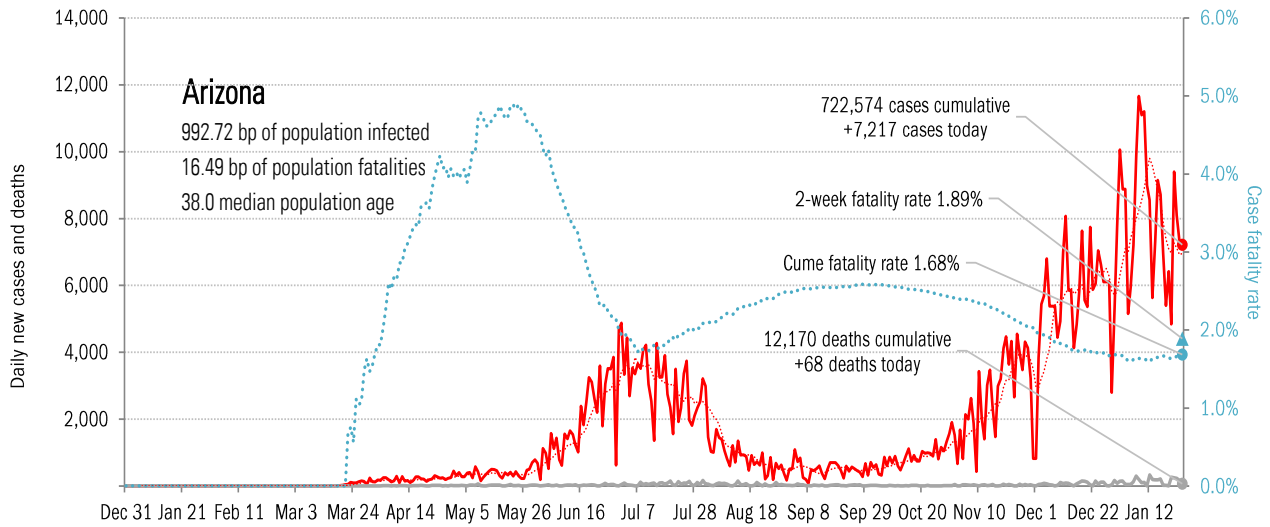
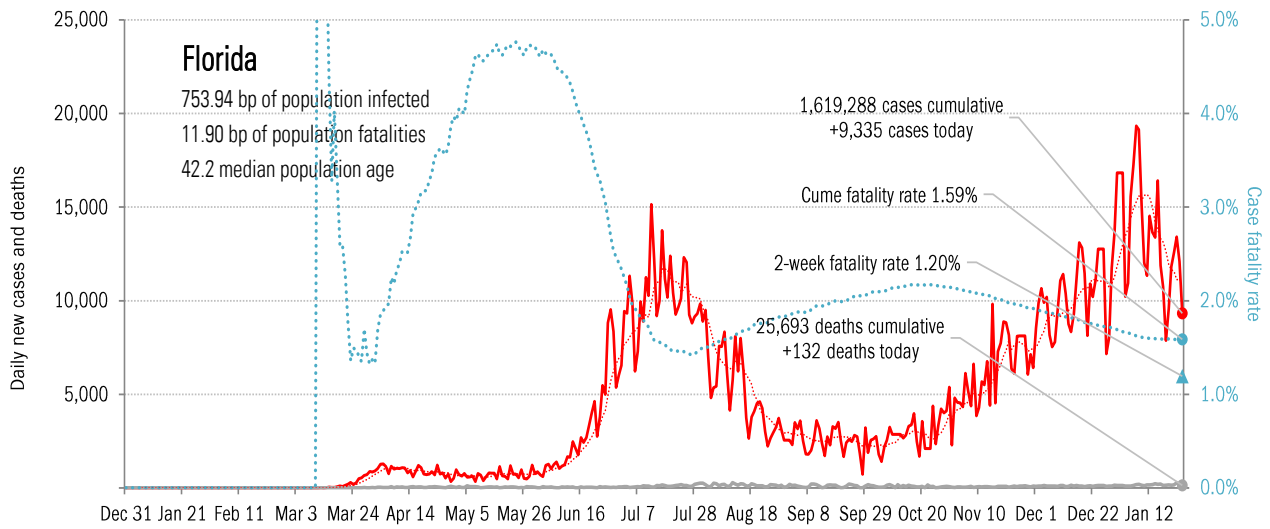
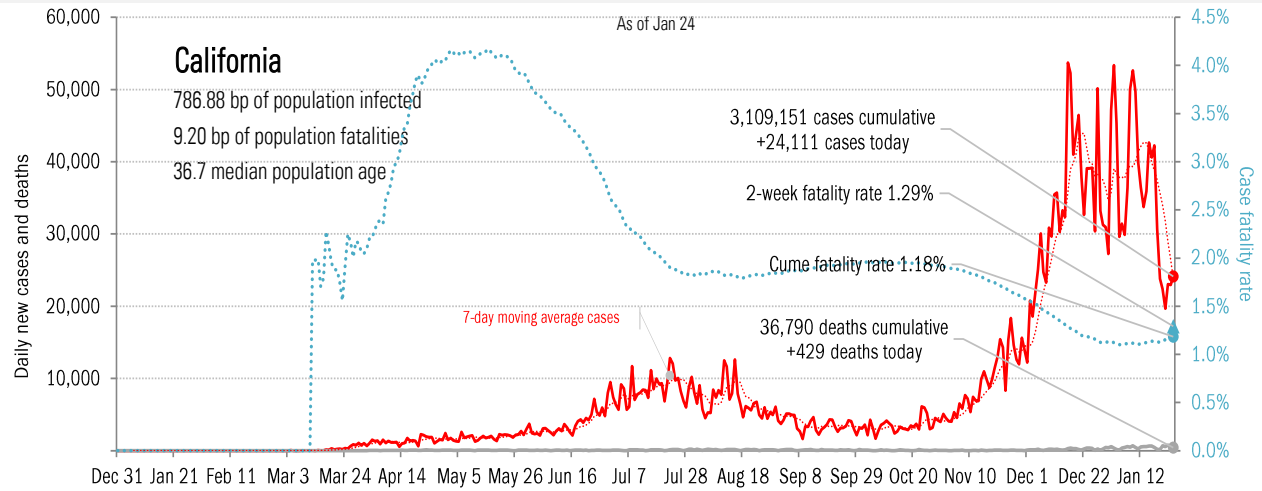
Source: [IHME Covid Tracking Project](#) TrendMacro calculations

From Ground Zero to the Rio Grande



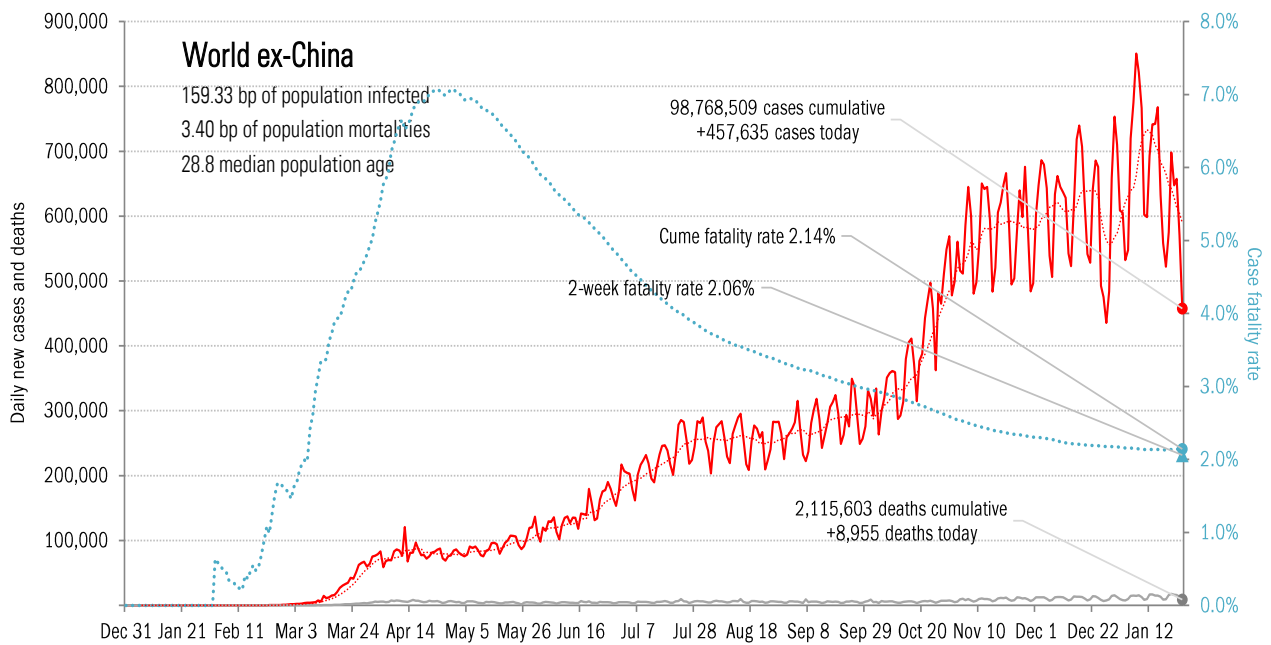
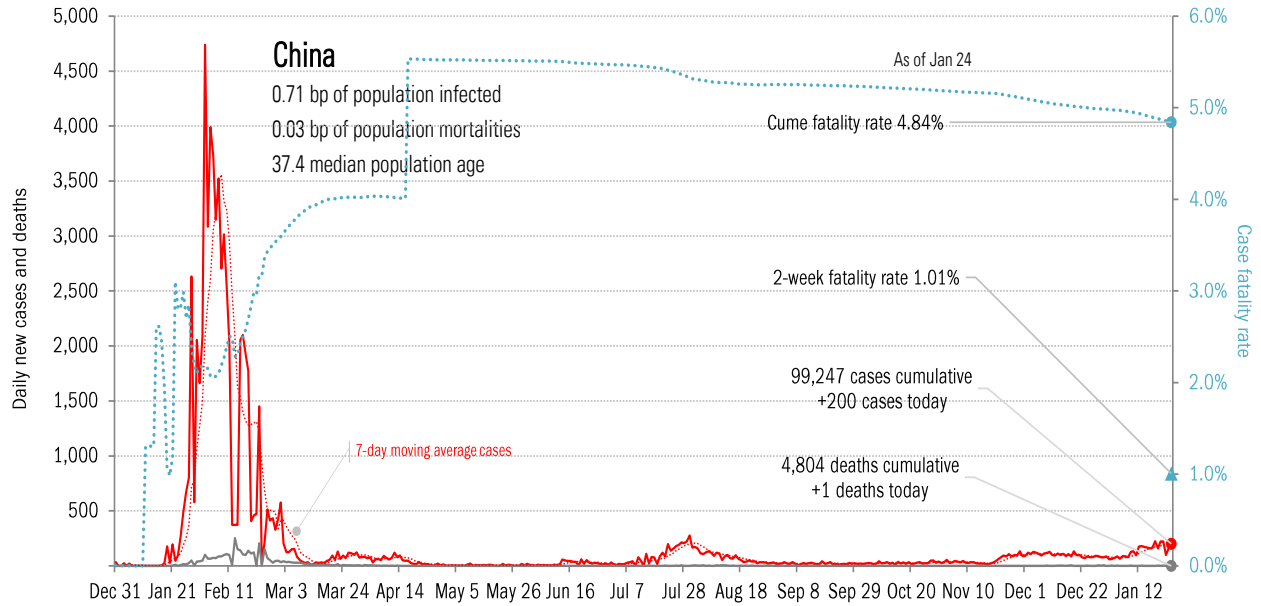
Source: [Covid Tracking Project](#), TrendMacro calculations

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



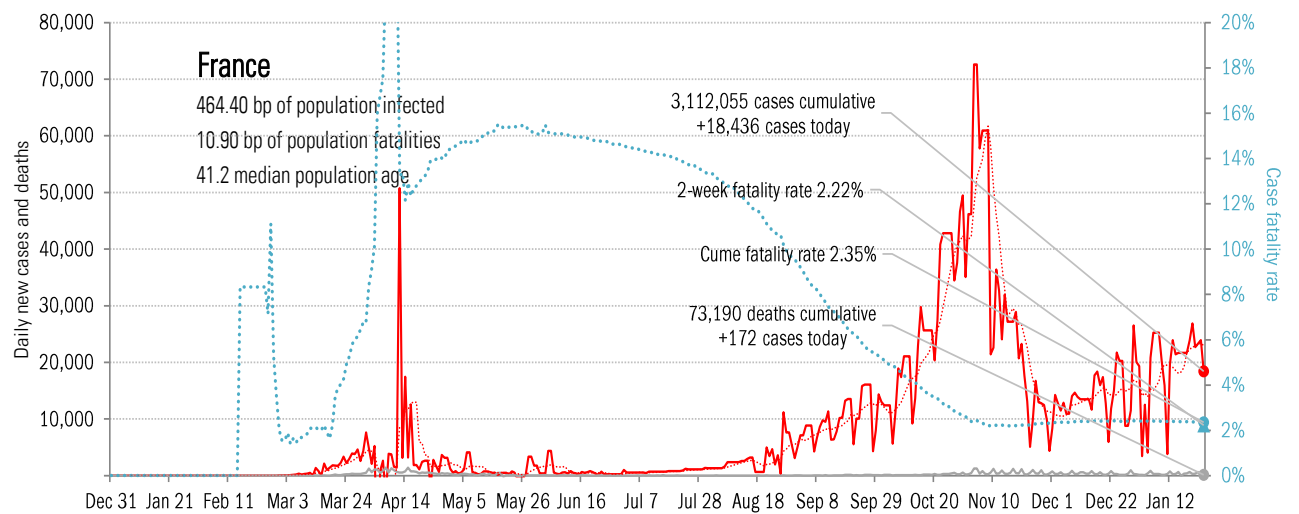
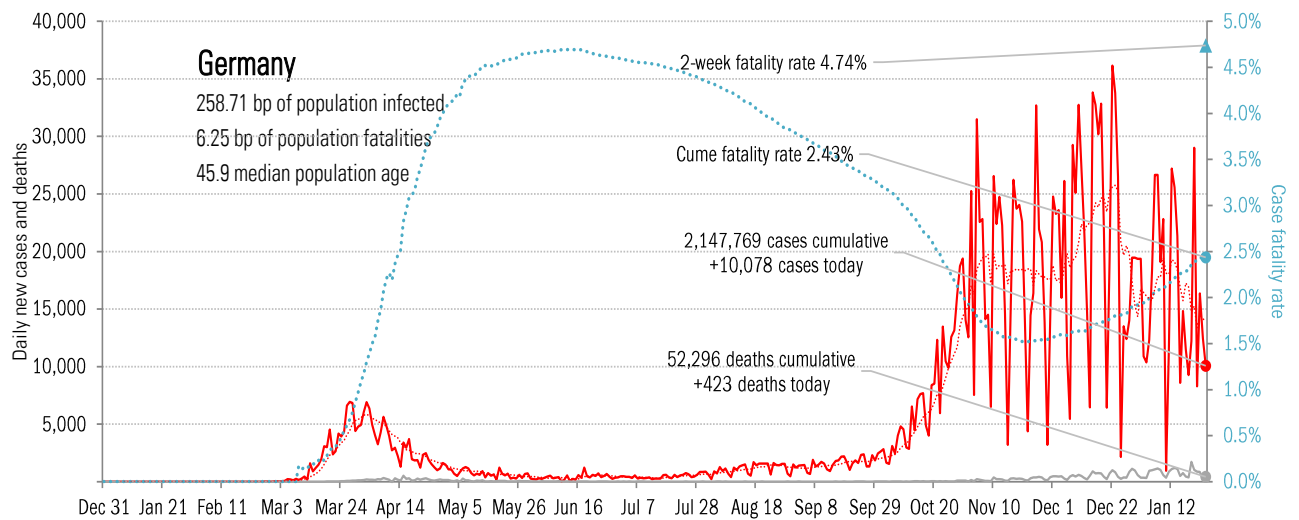
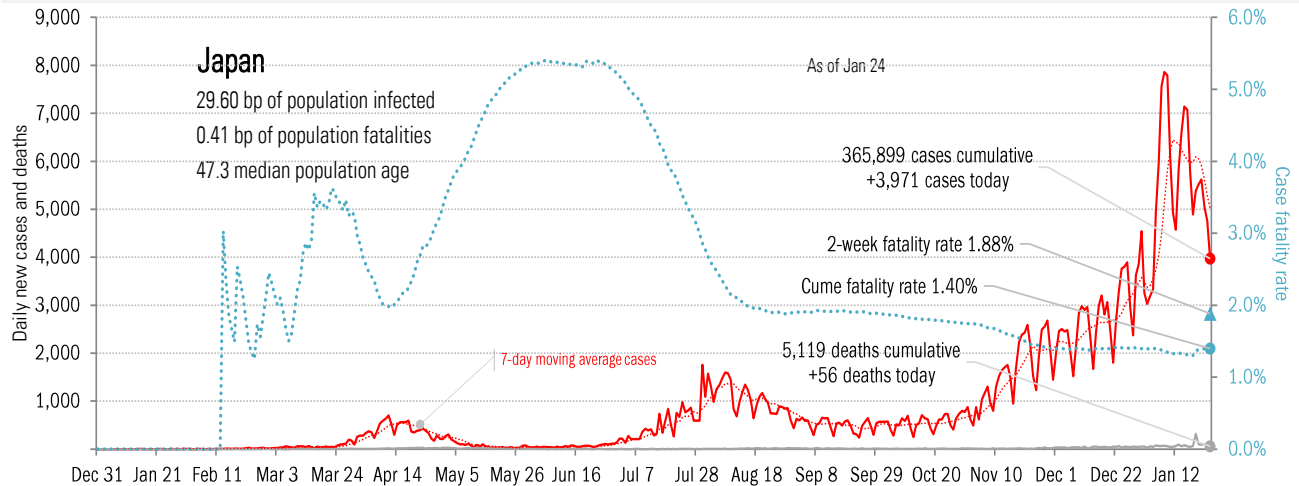
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



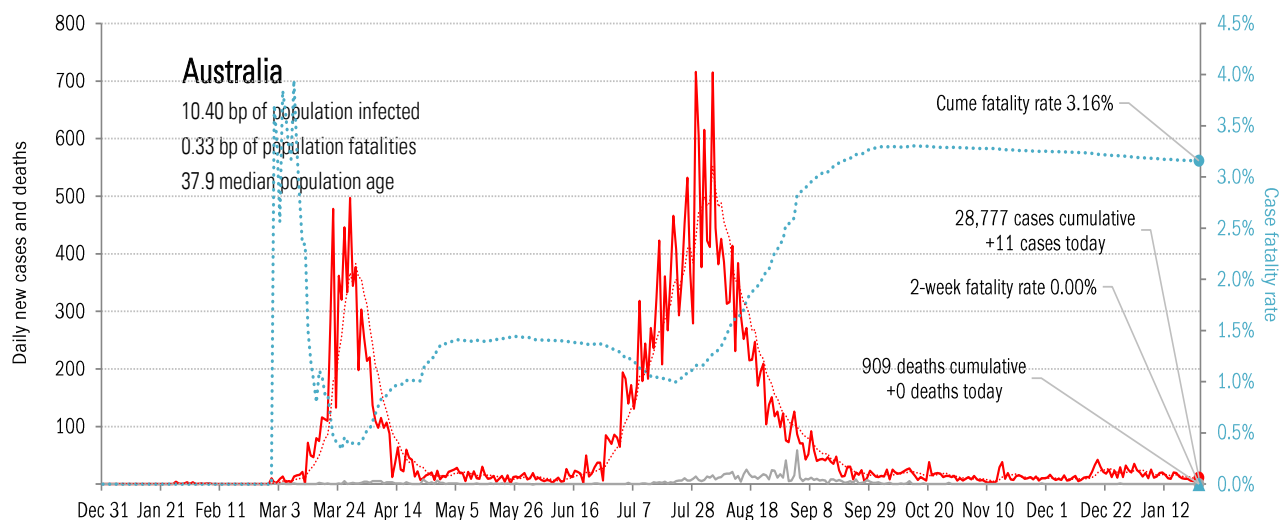
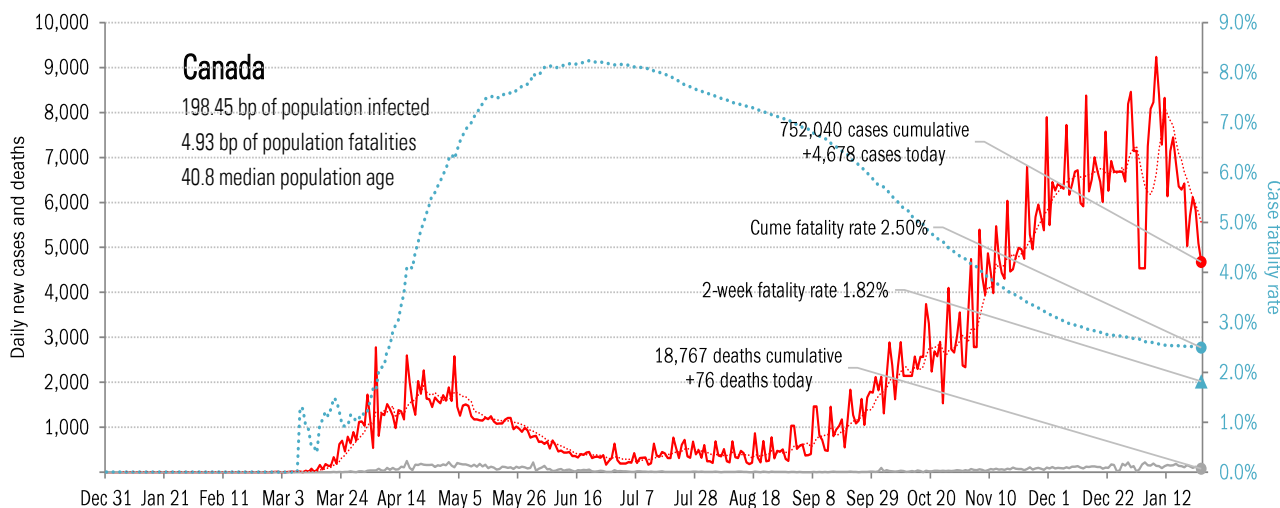
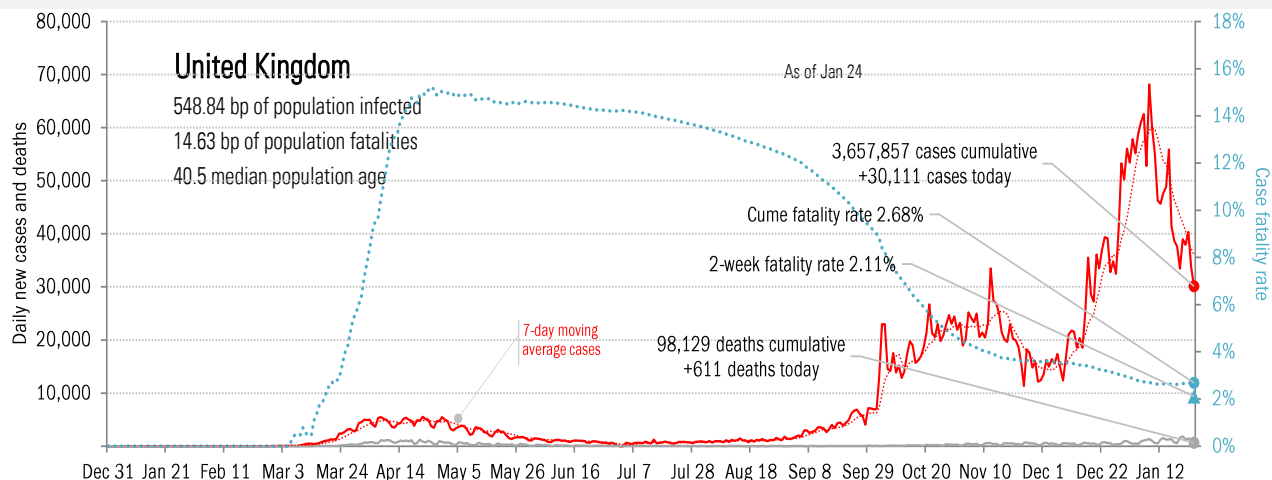
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



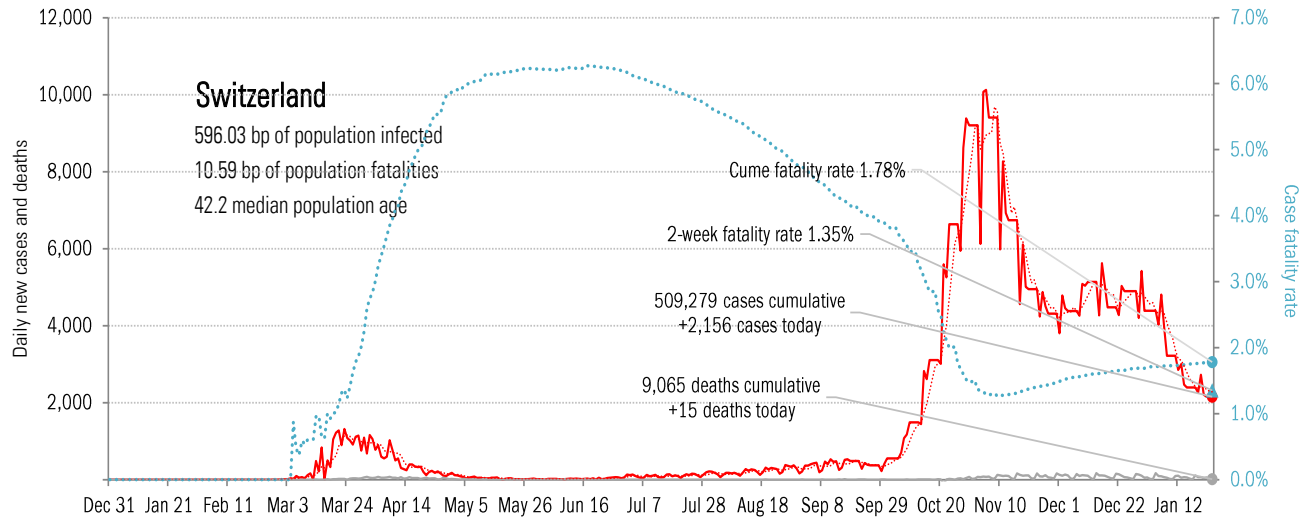
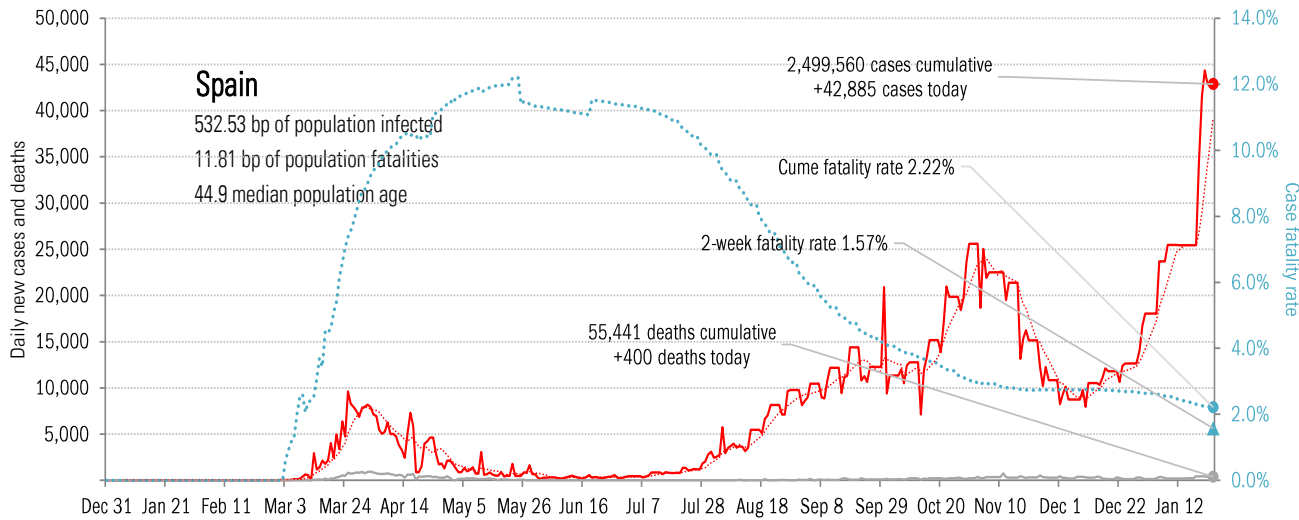
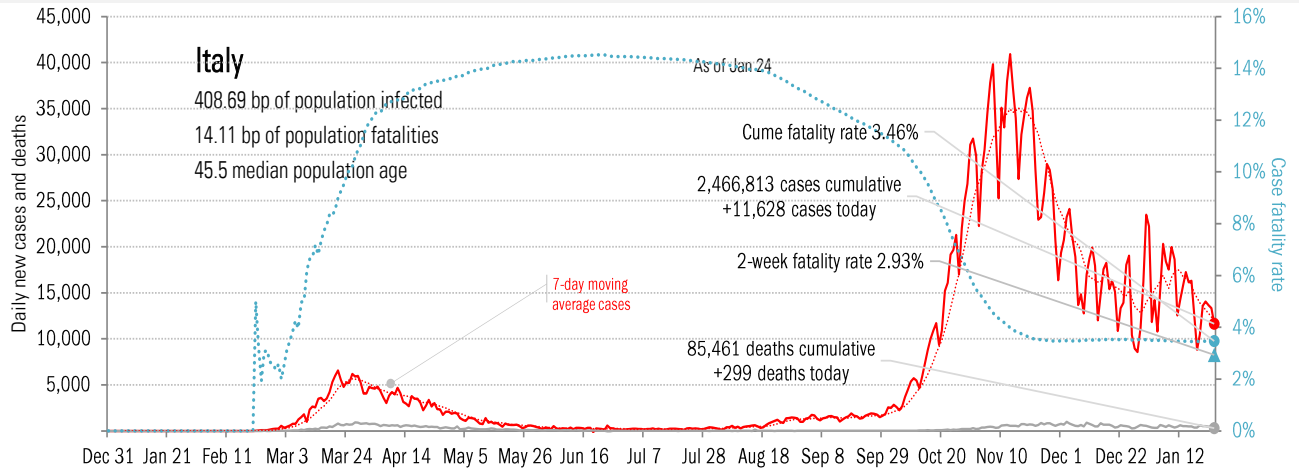
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



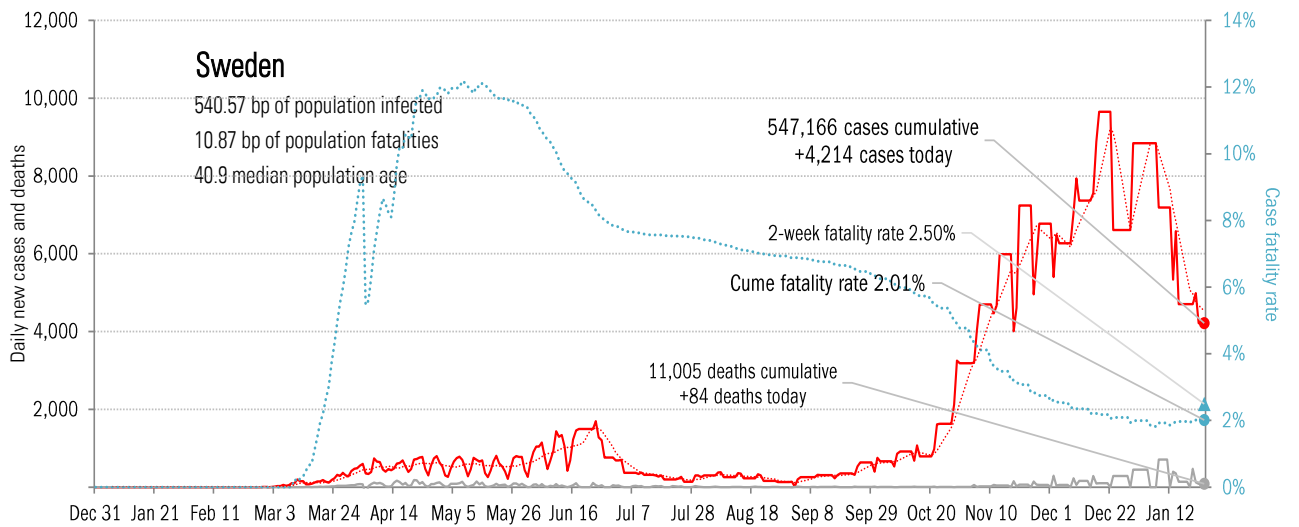
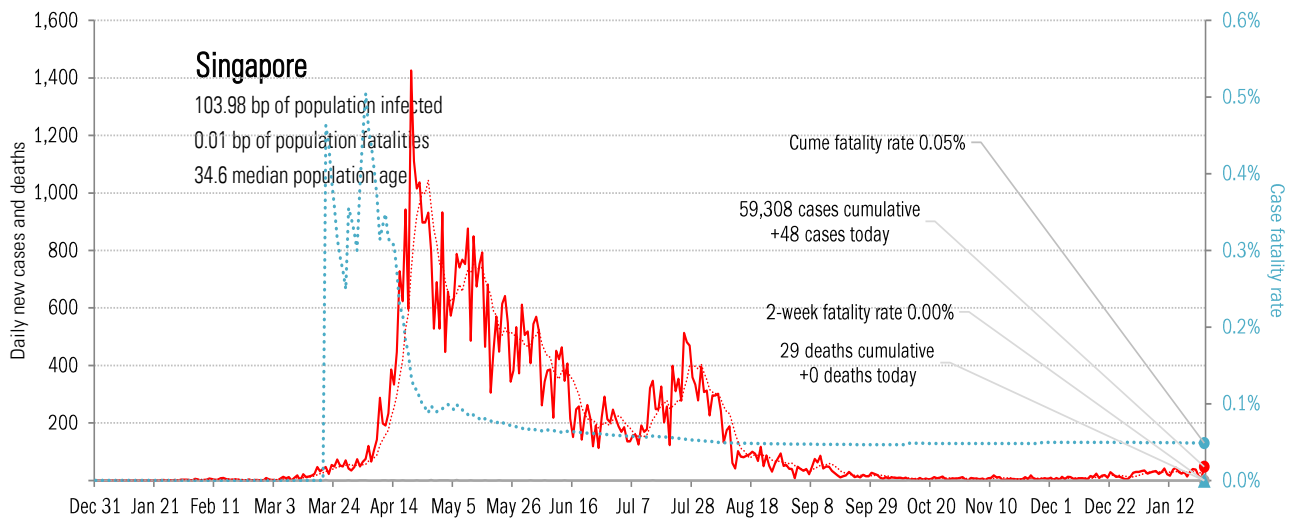
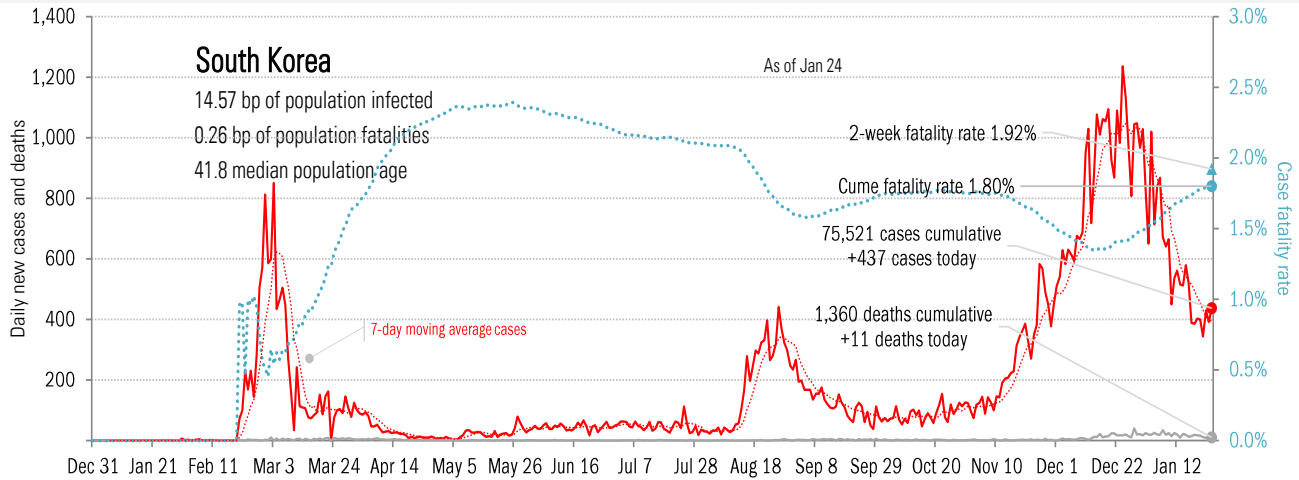
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



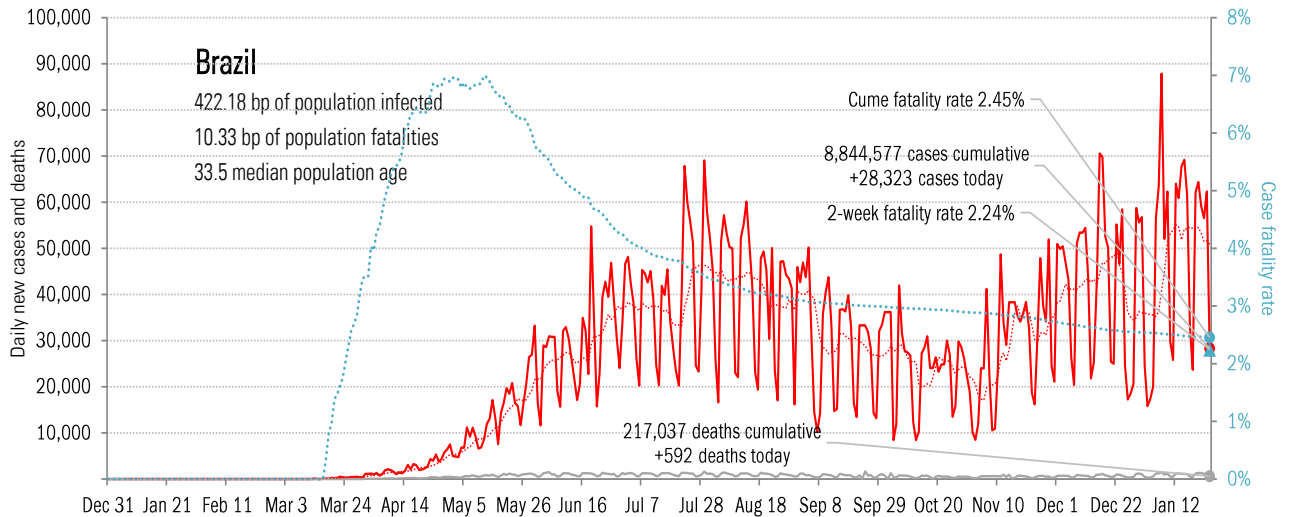
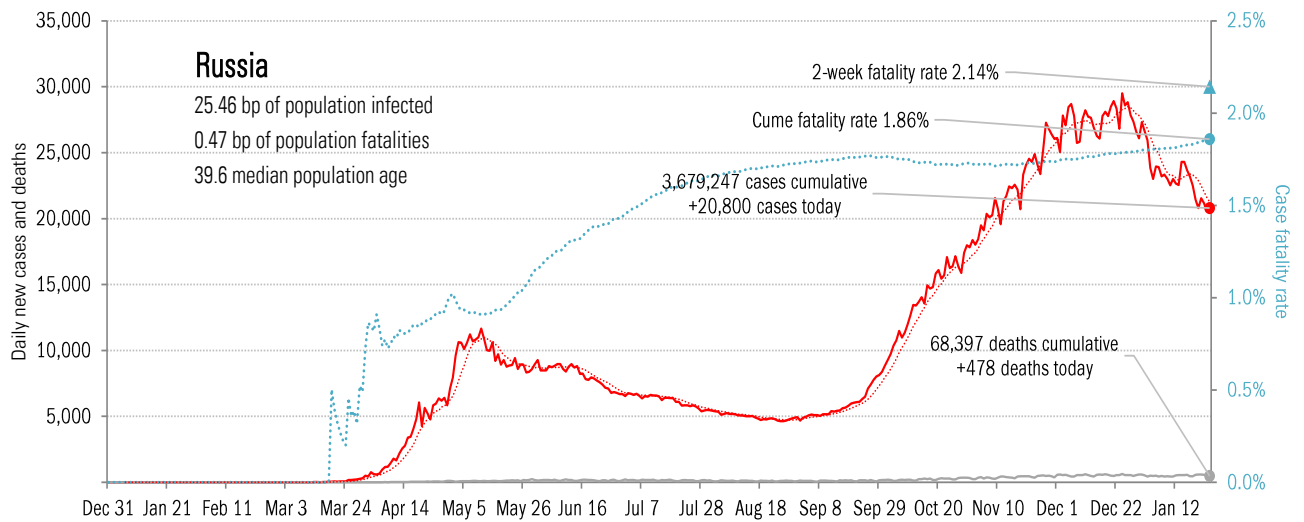
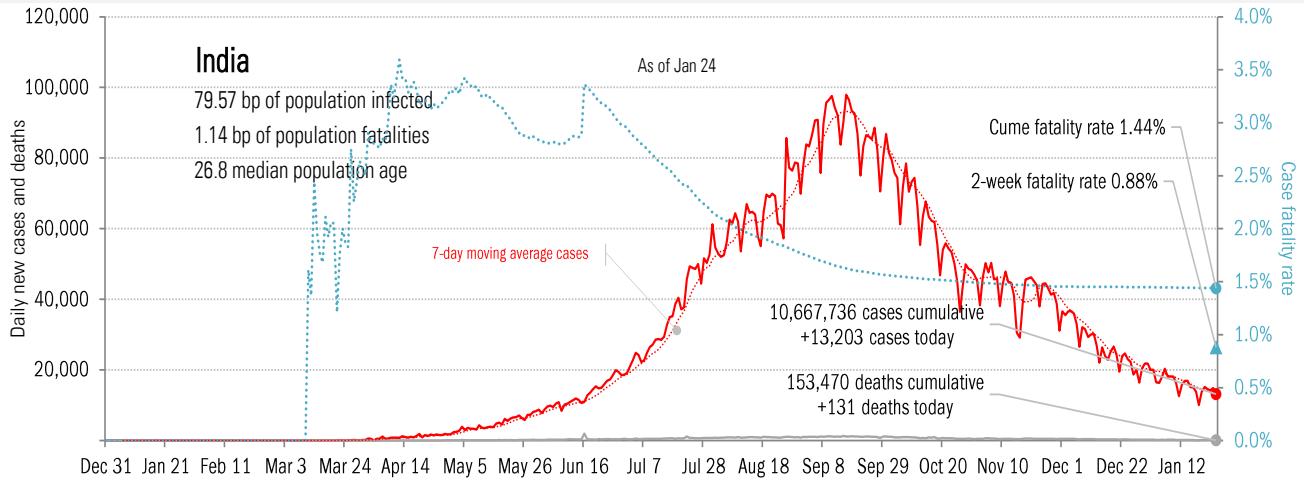
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



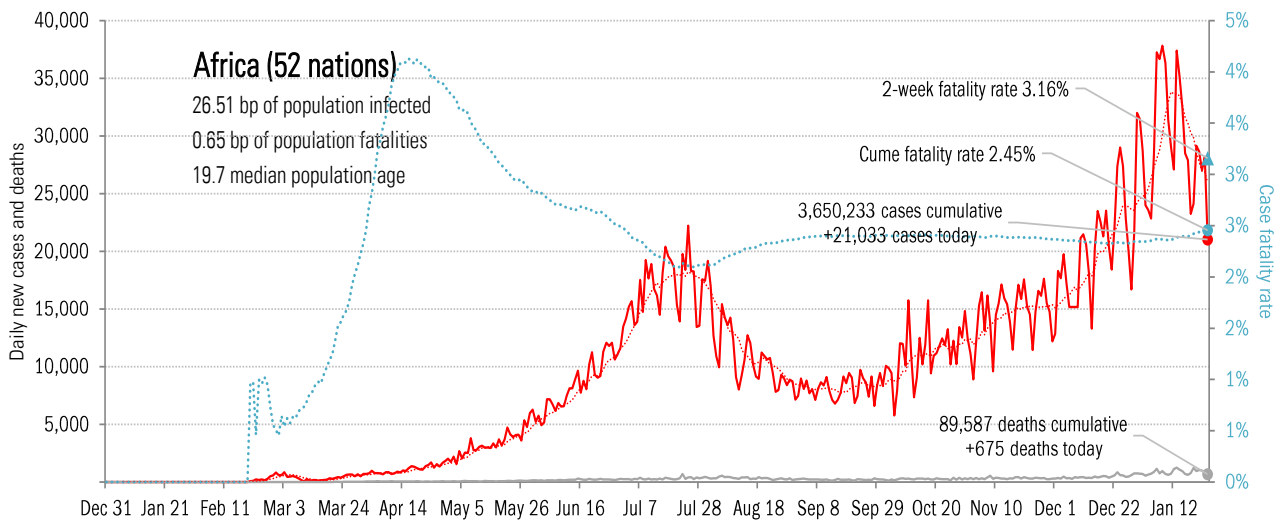
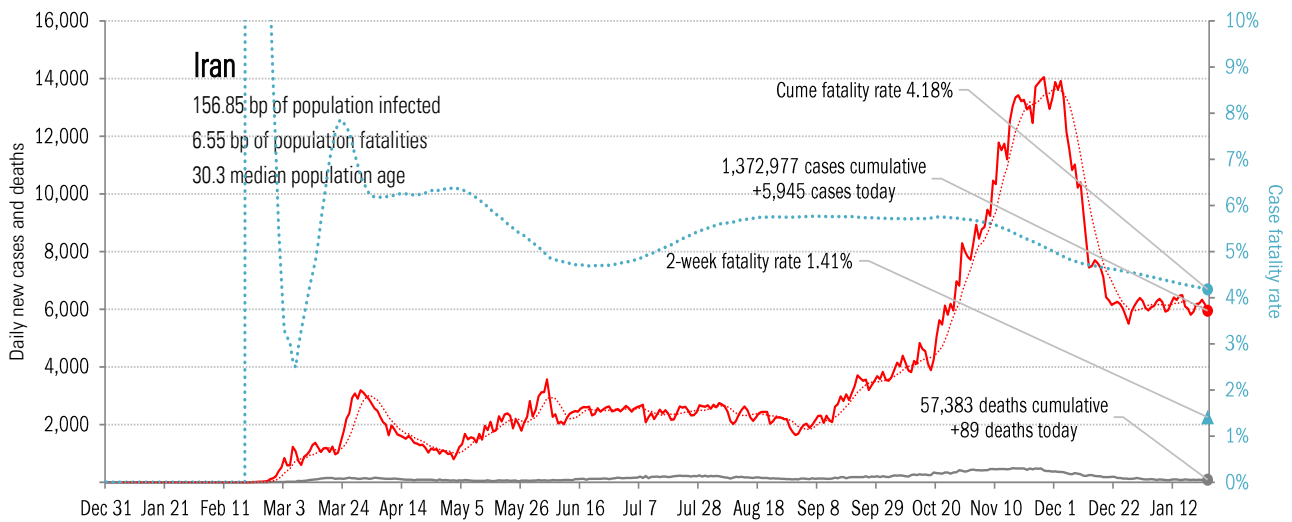
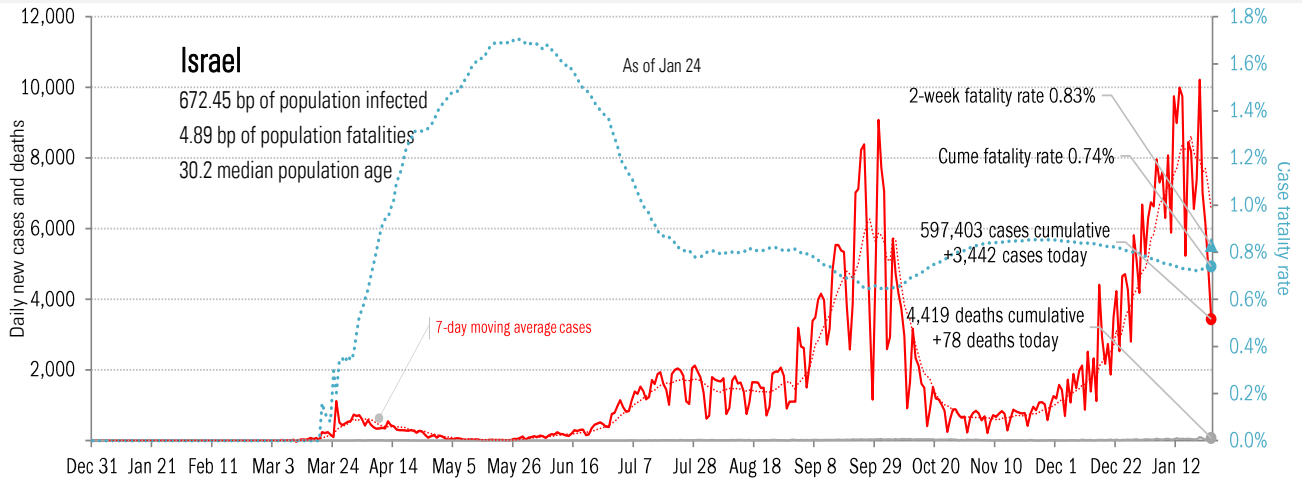
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



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

Impact in the Middle East and Africa



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