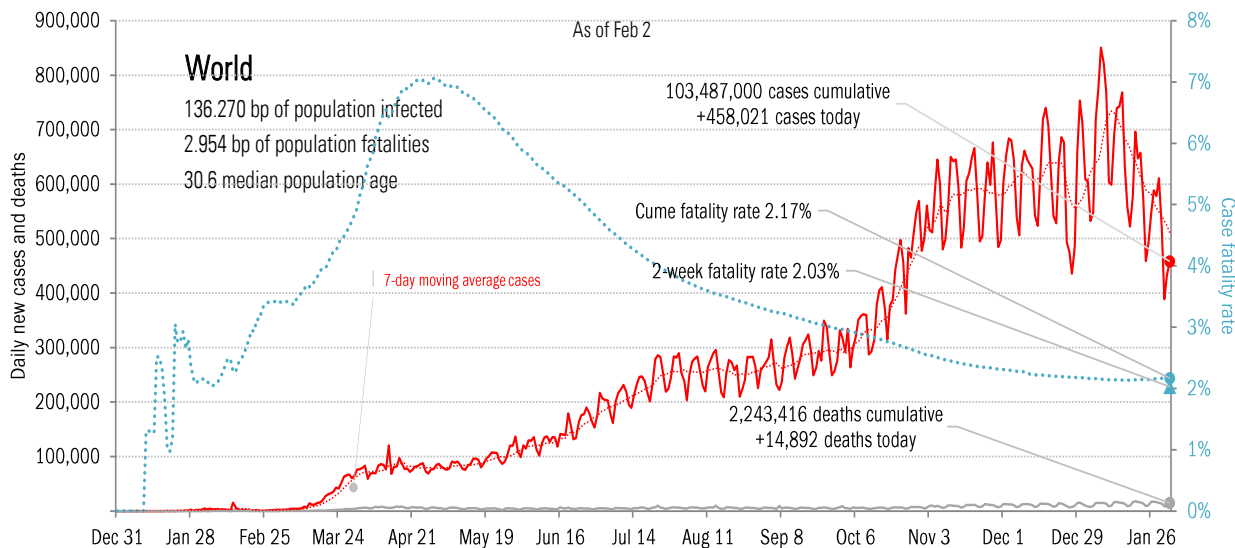
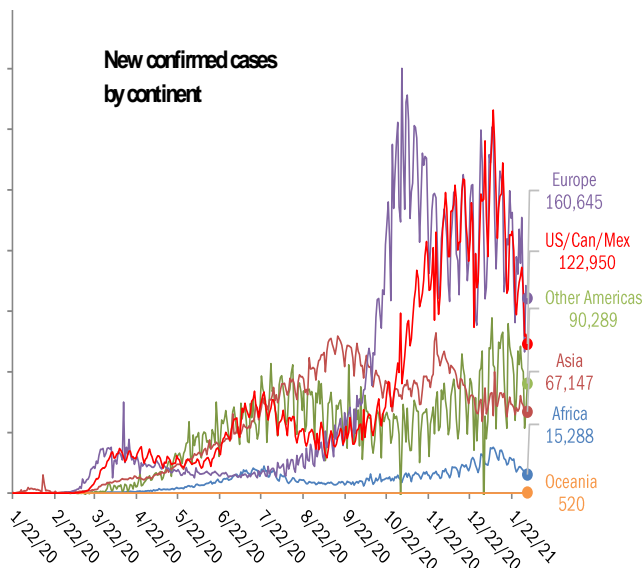


Data Insights: Covid-2019 Monitor

Wednesday, February 3, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+115,619	United States	+3,486
Brazil	+54,096	United Kingdom	+1,451
Spain	+29,064	Brazil	+1,210
France	+23,337	Germany	+933
United Kingdom	+16,906	France	+726
Russia	+16,406	Spain	+724
India	+11,039	South Africa	+547
Indonesia	+10,379	Russia	+526
Colombia	+10,091	Italy	+499
Argentina	+9,695	Mexico	+433
+296,632		+10,535	
World	+458,021	World	+14,892
Top ten	65%	Top ten	71%



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

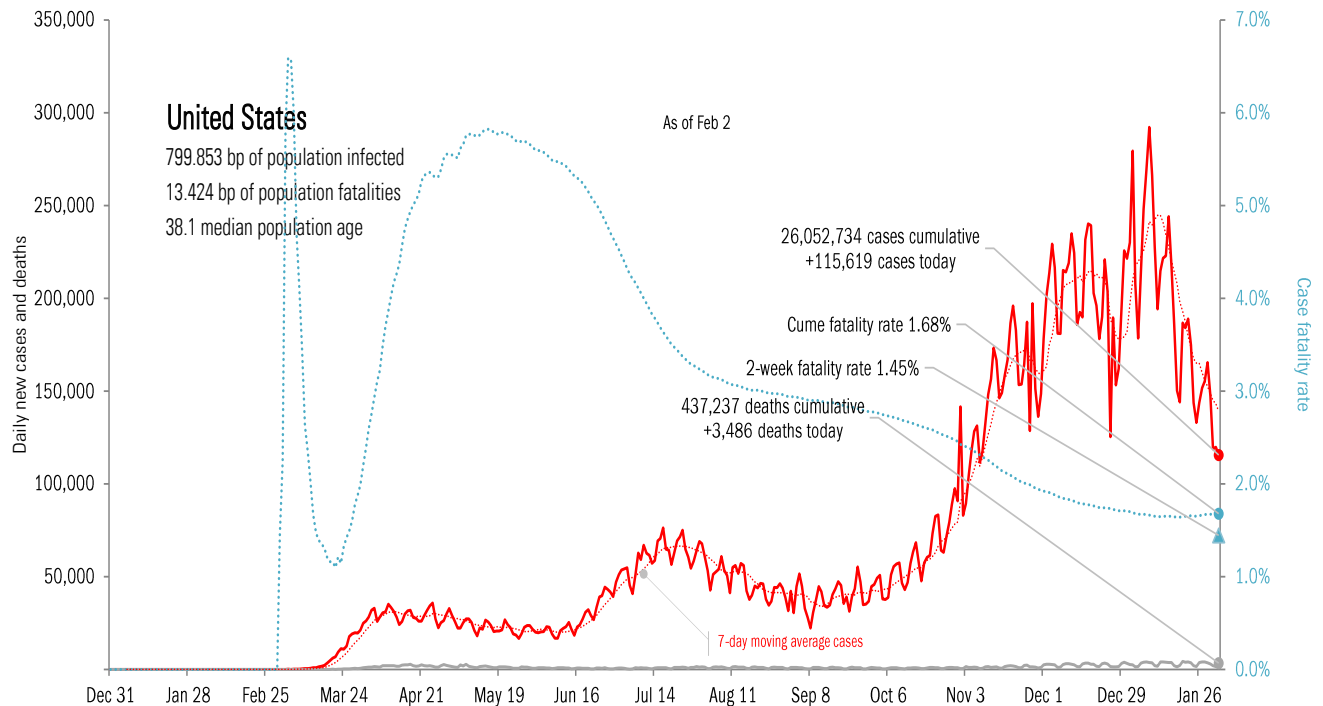
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+23,047		CA	+422		NY	+64		CA	3,270,770		CA	41,330		NY	89,995		RI	104%	GA	89%
CA	+12,064		MO	+340		IL	+60		TX	2,415,490		TX	36,870		FL	73,961		GA	80%	CA	88%
FL	+10,332		TX	+331		LA	+37		FL	1,705,632		NY	35,466		NJ	60,822		CT	80%	RI	88%
NY	+8,215		AZ	+238		IN	+30		NY	1,427,379		FL	27,269		AZ	53,149		CA	79%	DE	88%
PA	+4,410		GA	+208		MD	+30		IL	1,130,917		PA	21,812		GA	50,685		MA	79%	AL	87%
CH	+3,657		AL	+206		NJ	+27		CH	902,736		NJ	21,584		CH	46,659		SC	78%	OK	85%
NJ	+3,150		NY	+147		VA	+27		PA	850,488		IL	21,336		AL	42,328		MD	78%	TX	83%
GA	+2,964		TN	+147		WV	+27		AZ	765,083		MI	15,609		IN	40,570		FL	77%	FL	83%
AZ	+2,938		FL	+140		IA	+22		NC	764,228		MA	14,652		MD	32,291		MO	76%	NC	82%
NC	+2,926		PA	+125		KY	+21		GA	755,412		GA	14,450		WI	24,460		DC	76%	MS	81%
+73,703			+2,304			+345			13,988,135			250,378			514,920						
All states	+115,619			+3,486			-656		All states	26,052,734			437,237			812,003		All states	71%		74%
Top ten	64%			66%			-53%		Top ten	54%			57%			63%		Median	68%		72%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-8,764	SC	-206	FL	-163	TX	+19,132
CA	-3,294	FL	-74	AZ	-131	CH	+7,517
KS	-1,983	CT	-59	CH	-113	TN	+3,801
CT	-1,363	KS	-30	ID	-68	PA	+3,617
MI	-1,139	LA	-12	GA	-65	IA	+3,279



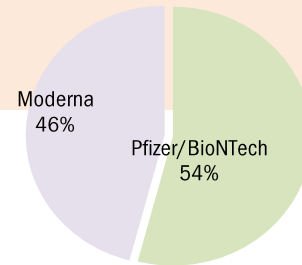
Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US

US overall	Over last day
52.66 million doses distributed	+2.72 million/day
32.78 million doses administered	+0.56 million/day
26.44 million persons with one or more shot	+0.42 million/day
6.06 million persons with two or more shots	+0.14 million/day
3.85 million shots long-term care residents/staff	+0.10 million/day

62.3% of distributed doses administered

9.9% of US pop at least 1 shot 1.8% 2 shots
 86.0% of LTC at least 1 shot 14.0% 2 shots



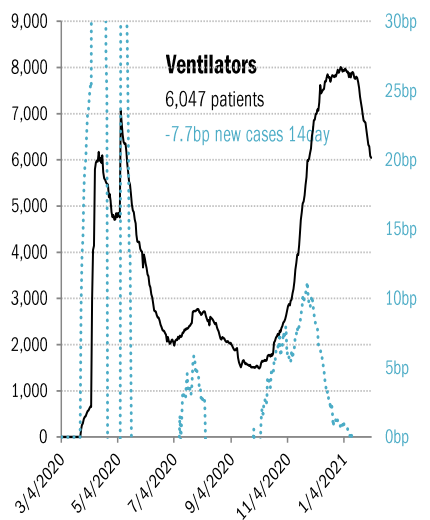
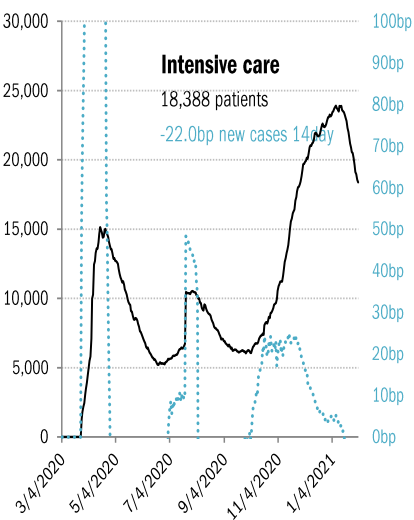
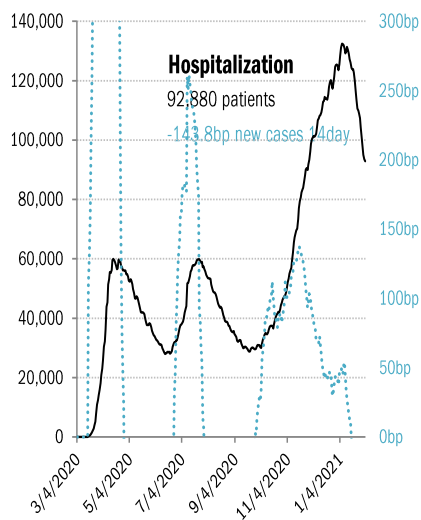
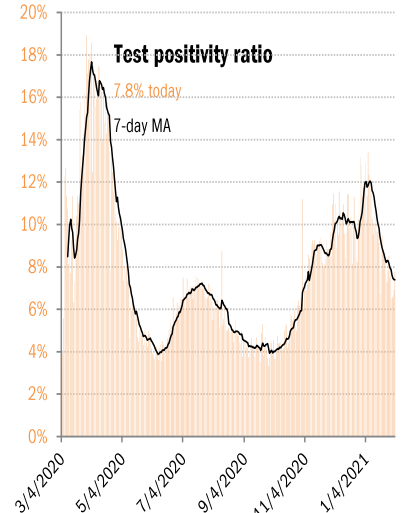
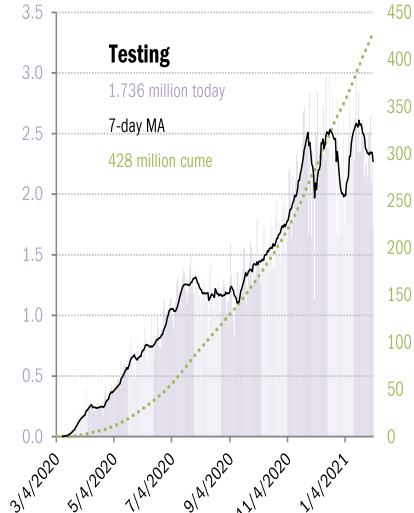
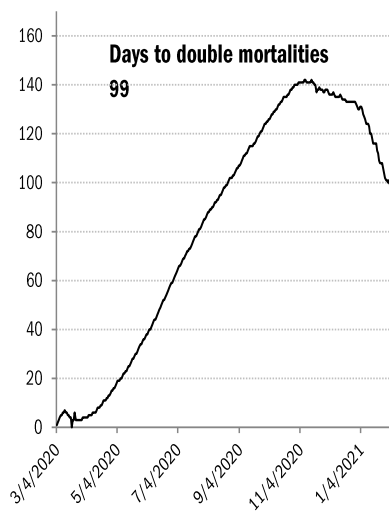
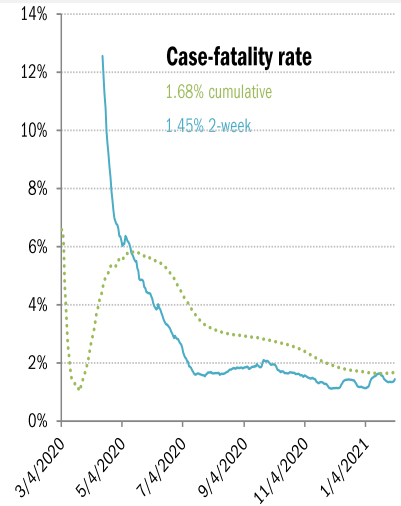
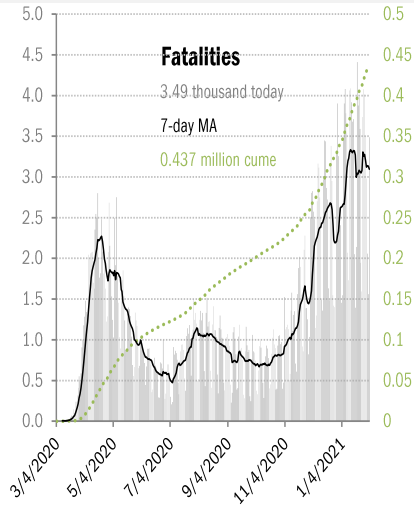
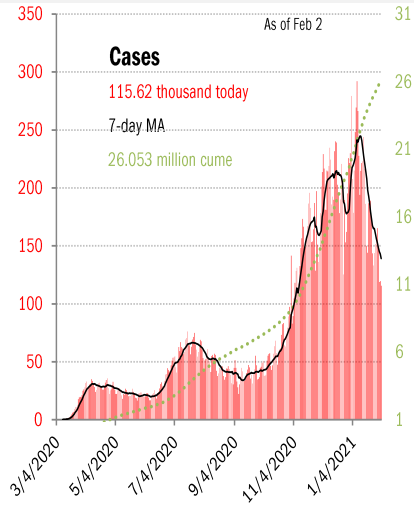
State	Doses distributed as % population	One shot received as % population	Two shots received as % distributed
AK	26.9%	13.3%	3.6%
ME	16.5%	8.2%	2.6%
WI	15.5%	7.5%	1.4%
VT	17.6%	8.8%	3.0%
NH	16.7%	7.6%	2.4%
WA	14.8%	7.9%	1.7%
ID	12.1%	5.8%	1.3%
MT	13.3%	7.6%	2.4%
ND	16.0%	9.4%	3.5%
MN	14.6%	7.6%	2.1%
IL	14.7%	6.6%	1.8%
MI	16.1%	8.0%	2.0%
NY	15.4%	7.9%	1.8%
MA	15.1%	7.2%	1.8%
OR	16.2%	8.4%	2.0%
NV	13.5%	7.0%	1.2%
WY	15.5%	8.3%	1.7%
SD	16.1%	8.7%	3.5%
IA	13.2%	6.2%	1.9%
IN	16.2%	7.4%	1.7%
OH	14.7%	7.3%	1.6%
PA	15.5%	7.2%	1.9%
NJ	13.9%	7.9%	1.5%
CT	16.1%	10.1%	2.4%
RI	16.6%	6.9%	2.5%
CA	14.4%	7.4%	1.5%
UT	13.3%	7.7%	2.0%
CO	15.1%	8.1%	2.3%
NE	15.4%	7.0%	2.4%
MO	13.4%	5.8%	1.7%
KY	15.3%	7.8%	1.5%
WV	18.1%	10.8%	3.9%
VA	15.3%	8.7%	1.6%
MD	14.9%	7.4%	1.5%
DE	14.8%	8.7%	1.9%
AZ	14.9%	7.3%	1.3%
NM	16.7%	10.2%	2.9%
KS	14.2%	6.4%	1.5%
AR	15.5%	8.3%	2.0%
TN	14.5%	6.6%	2.6%
NC	14.2%	7.8%	1.5%
SC	12.8%	7.5%	1.6%
DC	20.8%	9.1%	2.7%
OK	15.6%	9.2%	2.0%
LA	15.9%	8.1%	2.1%
MS	14.7%	7.2%	0.9%
AL	13.9%	6.4%	1.2%
GA	14.7%	7.4%	1.2%
HI	17.4%	7.8%	1.9%
TX	14.1%	6.9%	1.7%
FL	17.0%	8.0%	1.5%
PR	16.8%	6.2%	1.7%

As of Feb 2

Source: [CDC](#), [CDC](#), TrendMacro calculations

US deep-dive

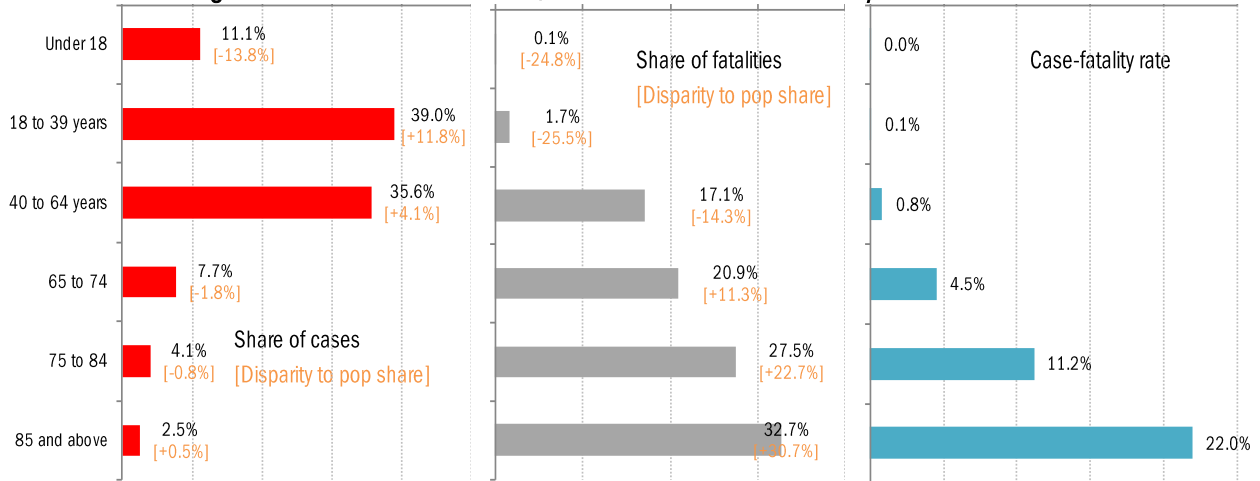
National and state-by-state data do not line up because of different sources



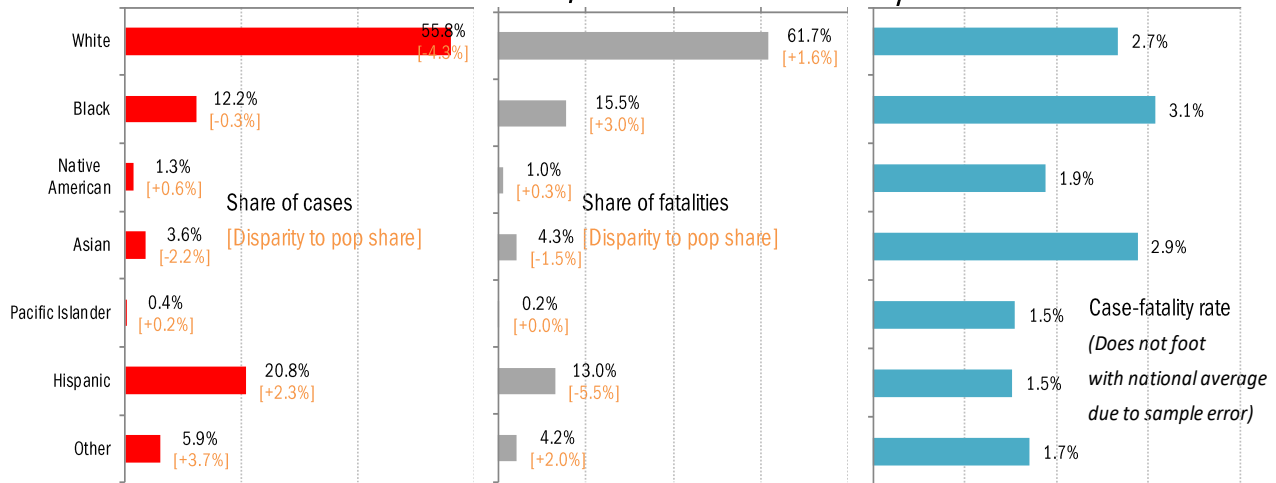
Source: [Covid Tracking Project](#), TrendMacro calculations

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

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

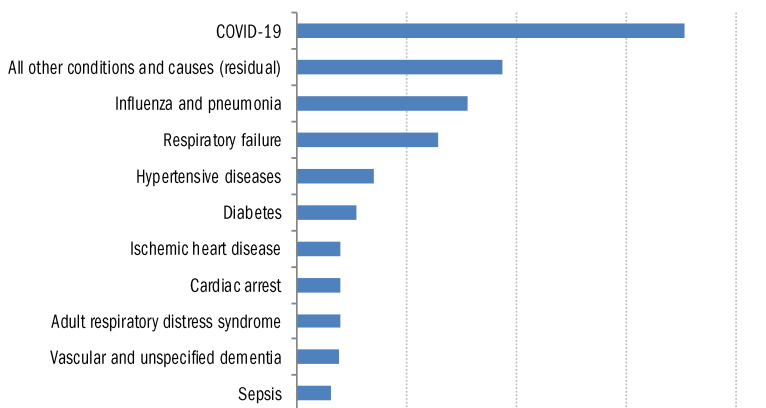


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jan 24

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

[YouTube Cancels the U.S. Senate](#)

Ron Johnson
Wall Street Journal
February 2, 2021

[Stanford Doctor: COVID Lockdowns Were An
'Overreaction' To 'Protect The Rich'](#)

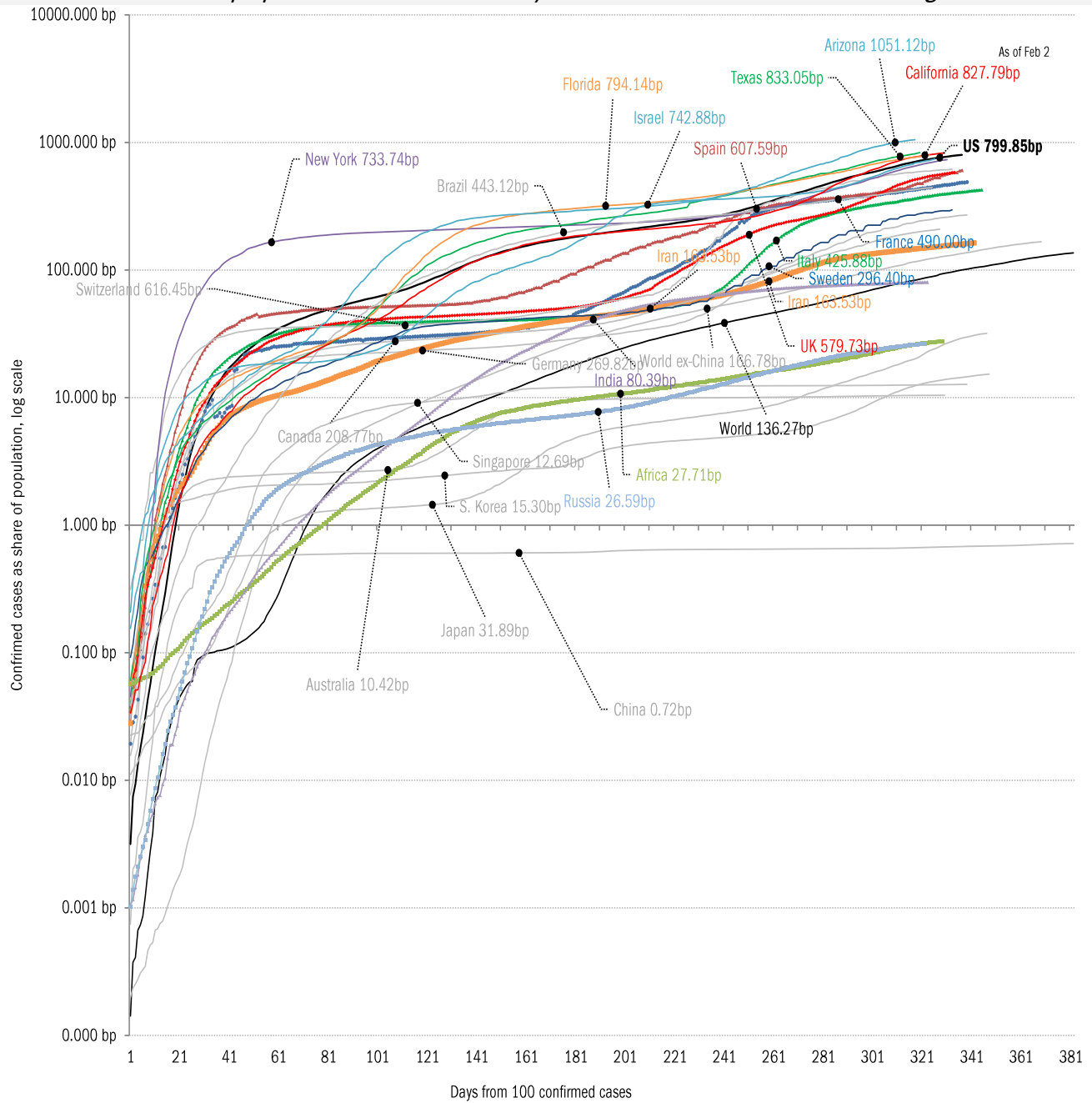
Jordan Davidson
The Federalist
February 1, 2021

Meme of day



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

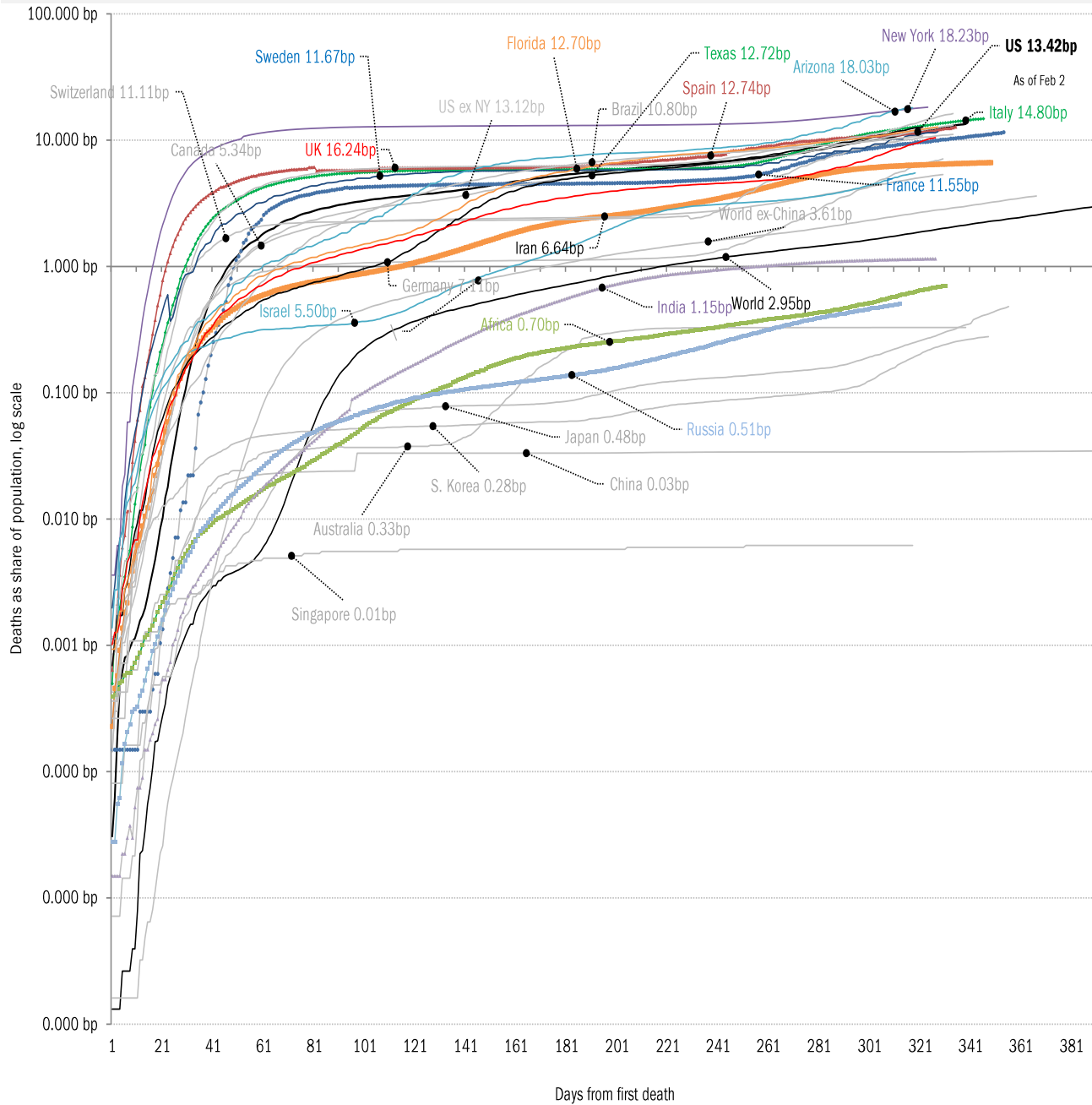
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

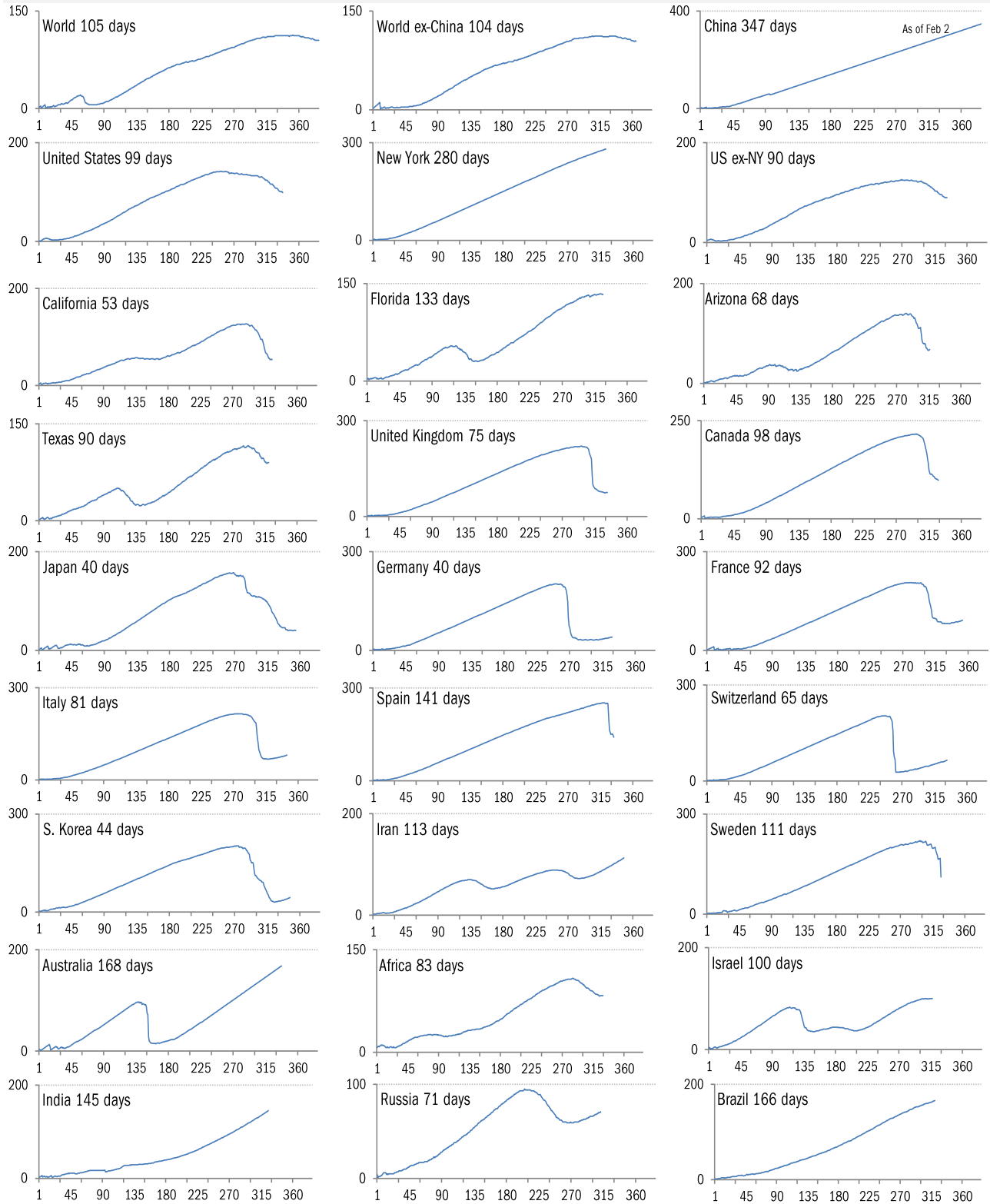


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

"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

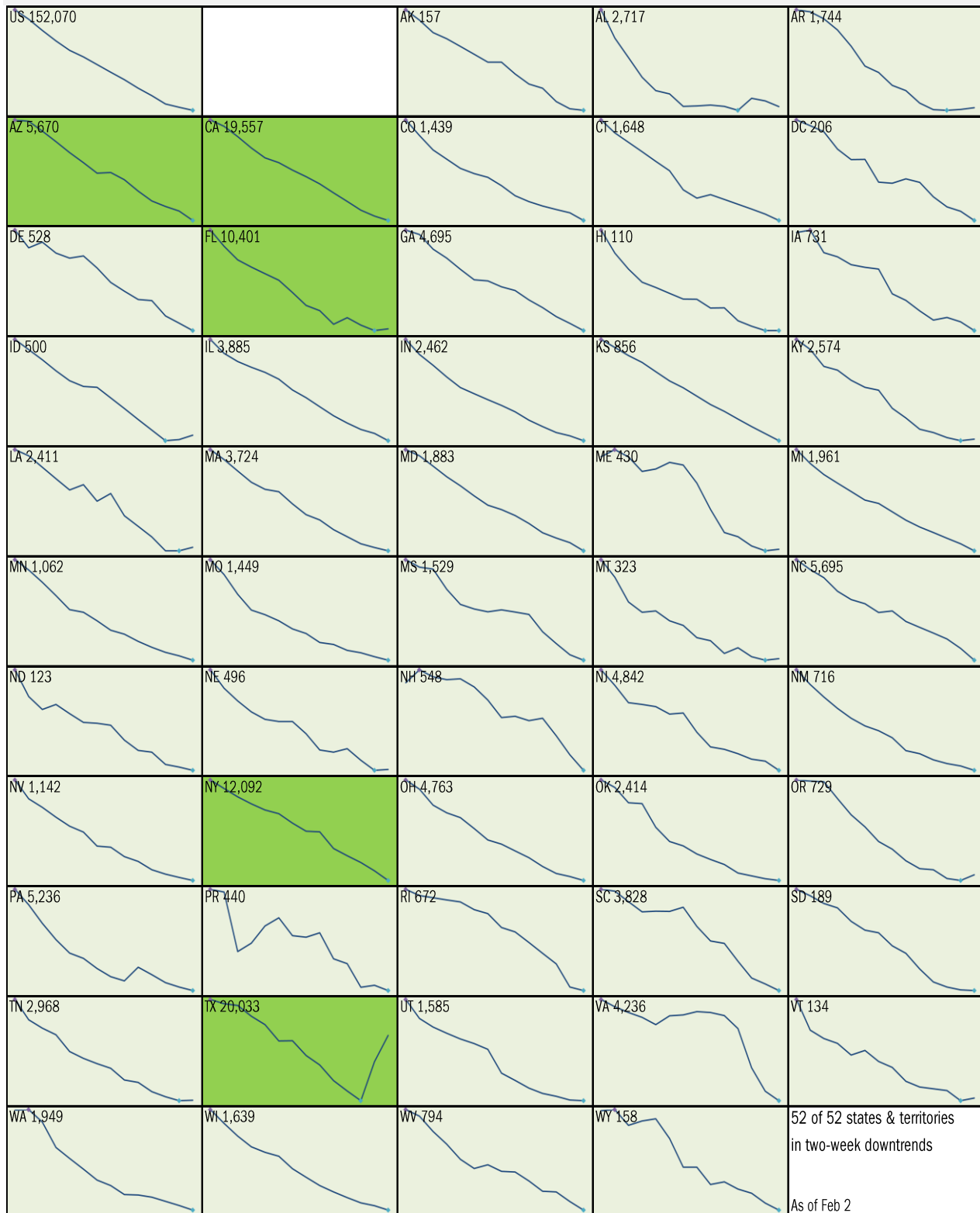


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

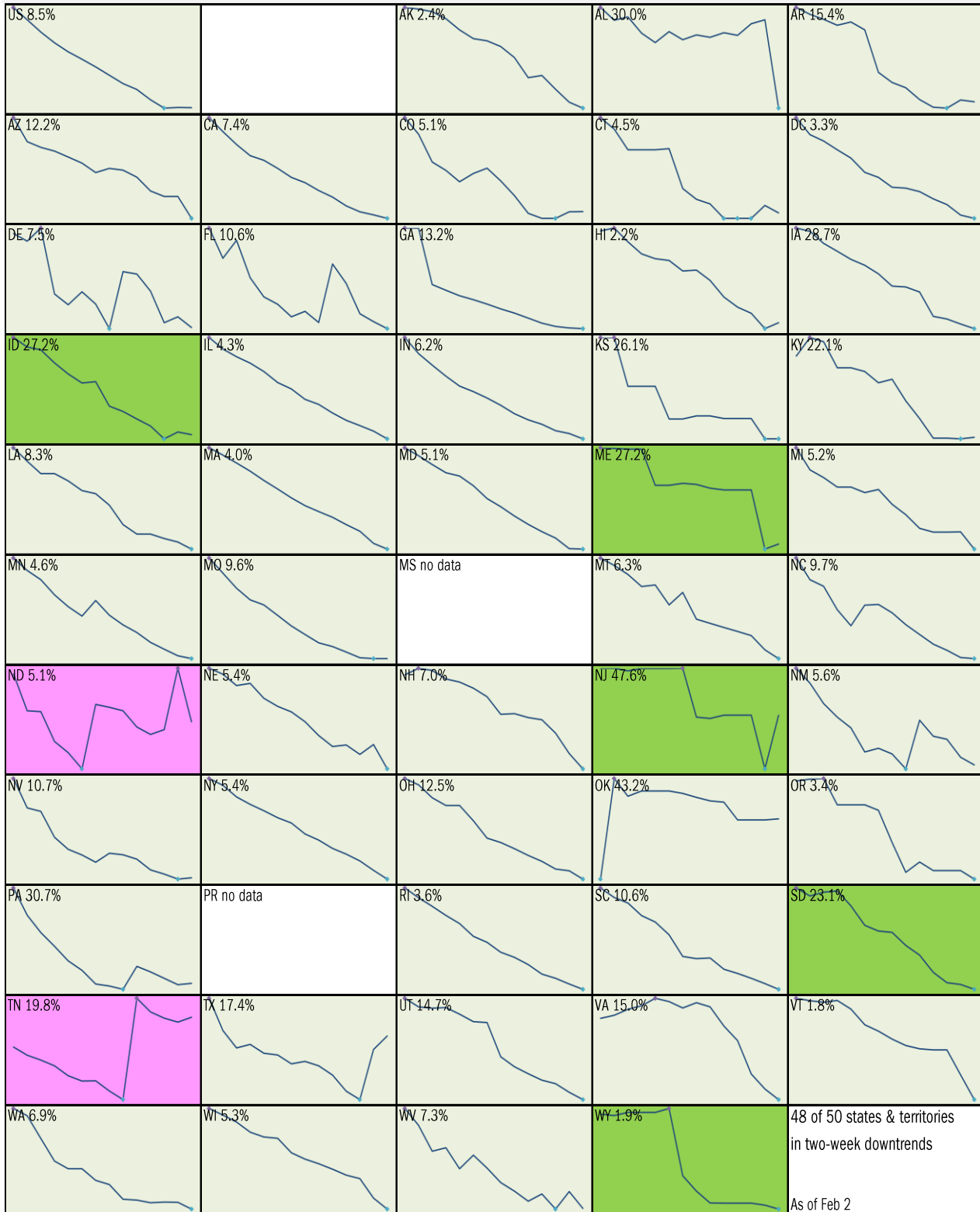


Source: [Covid Tracking Project](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): 14-day "downward trajectory" in pos tests

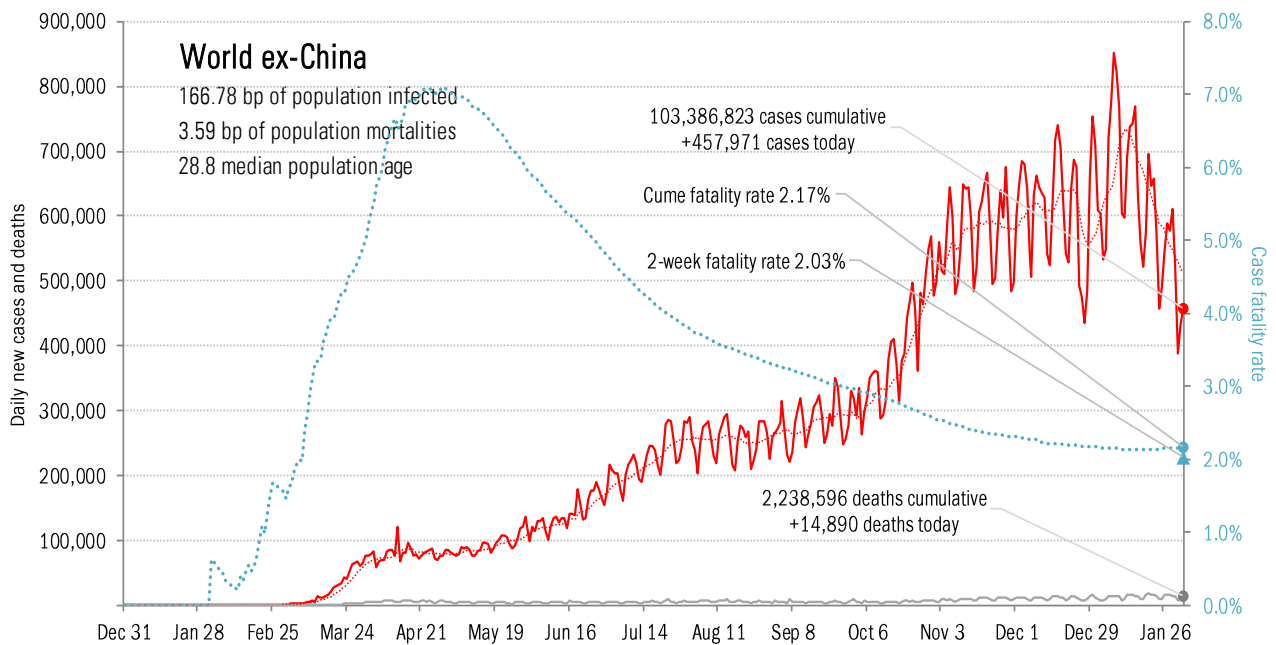
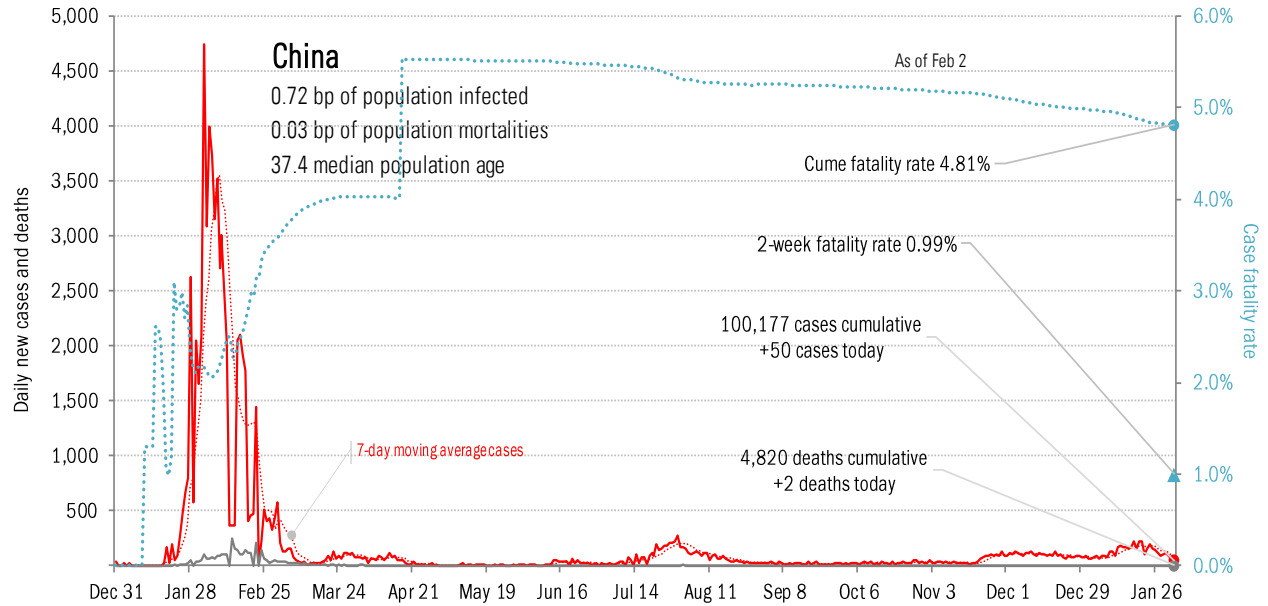
14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



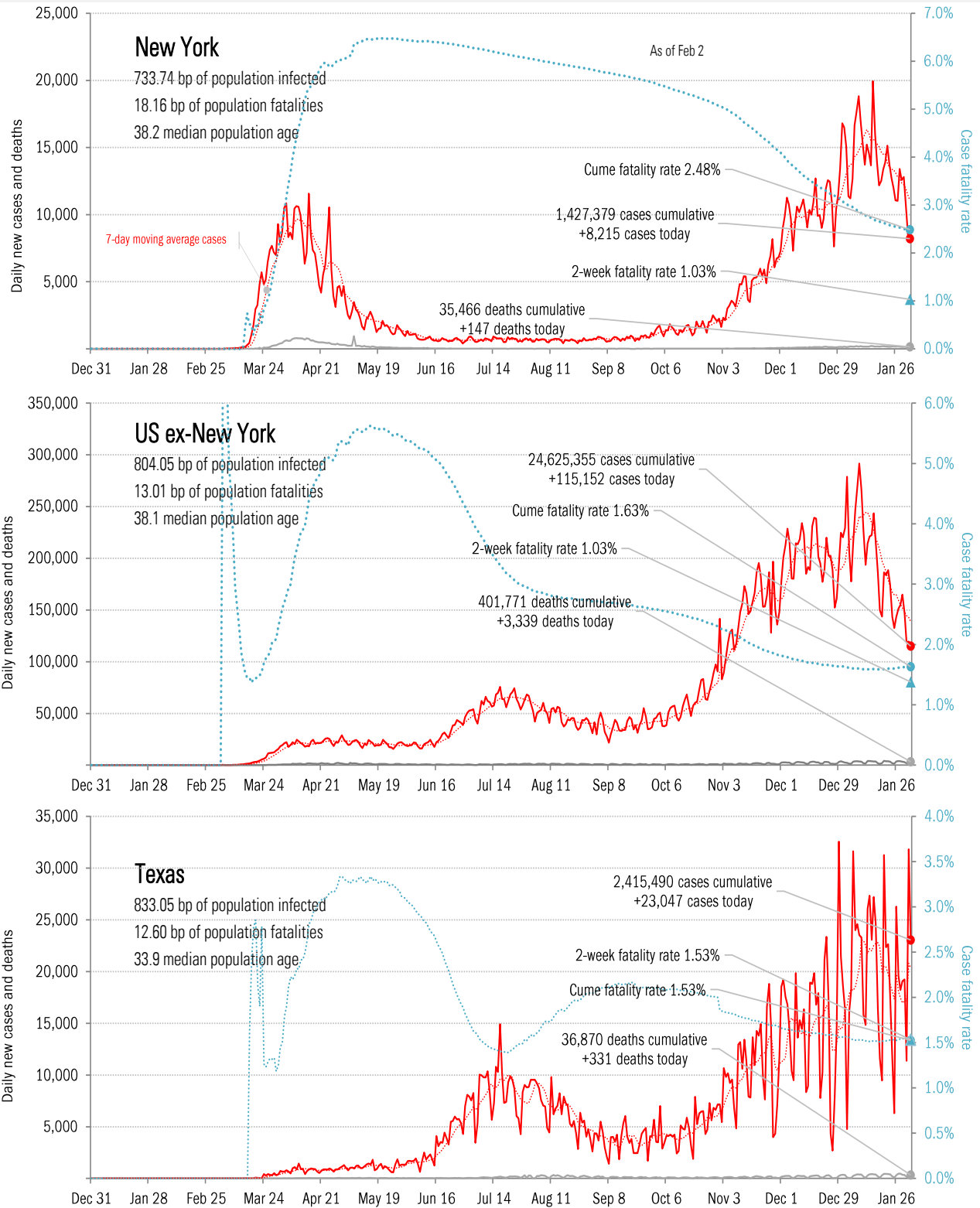
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



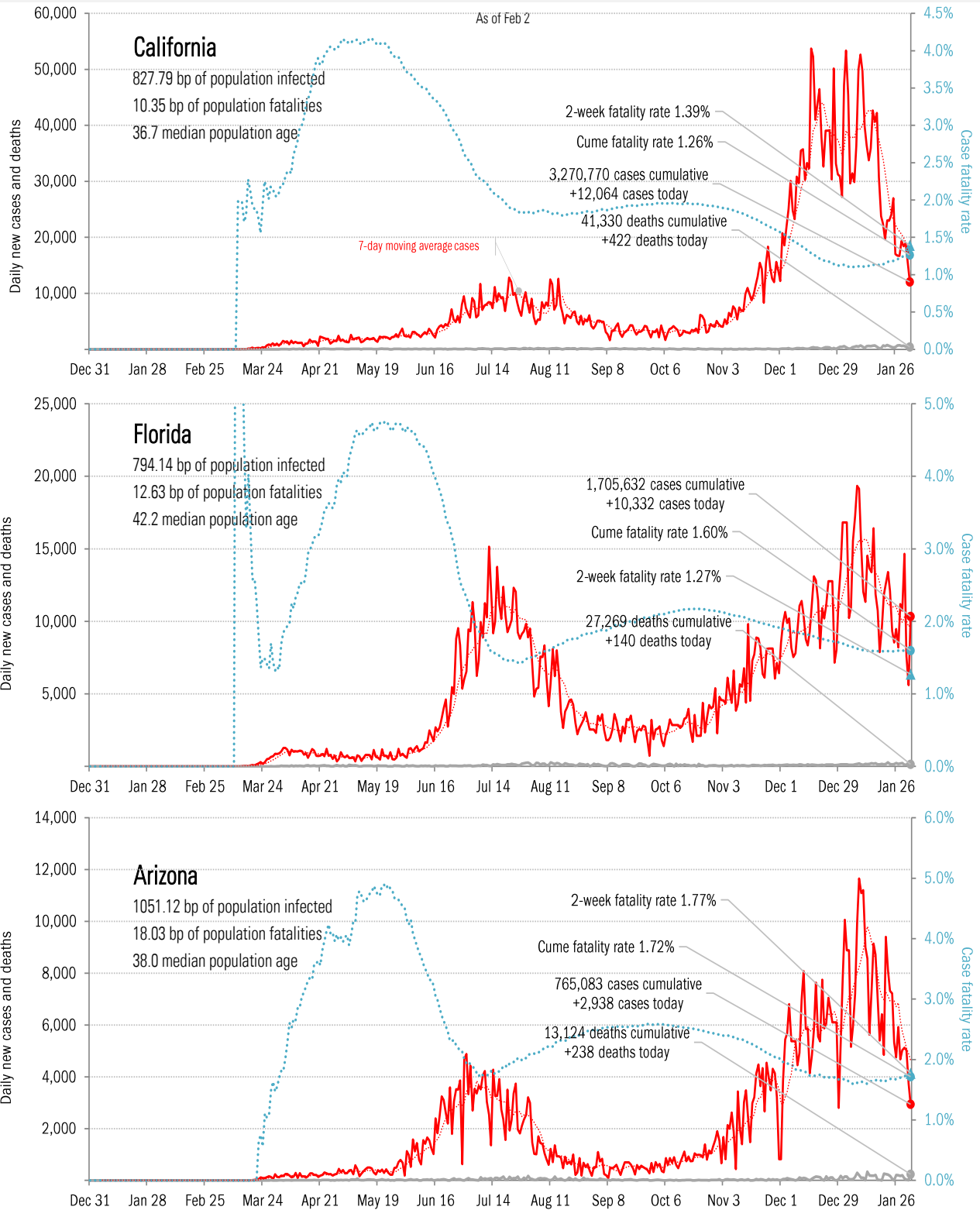
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



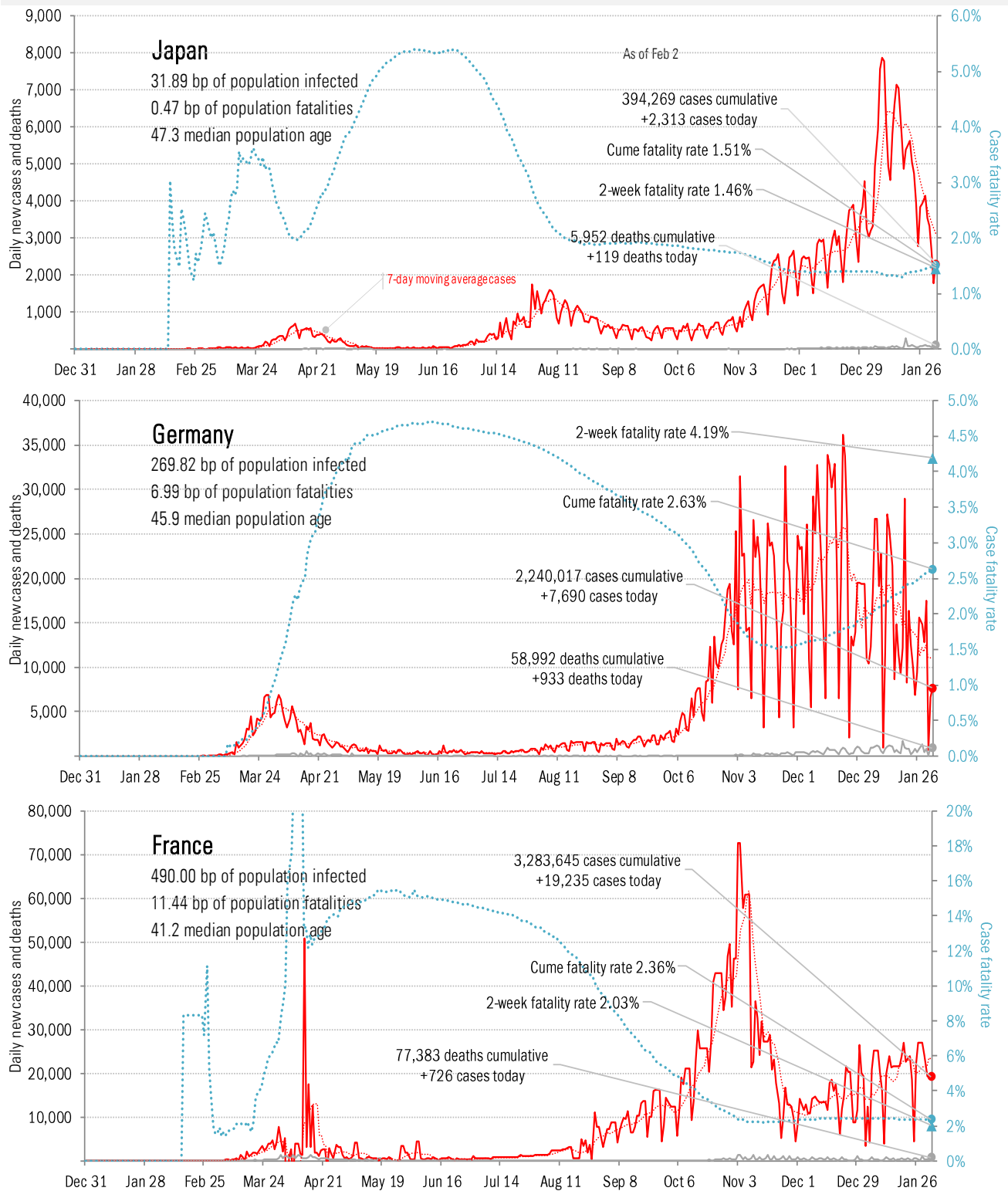
Source: [Covid Tracking Project](#), TrendMacro calculations

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

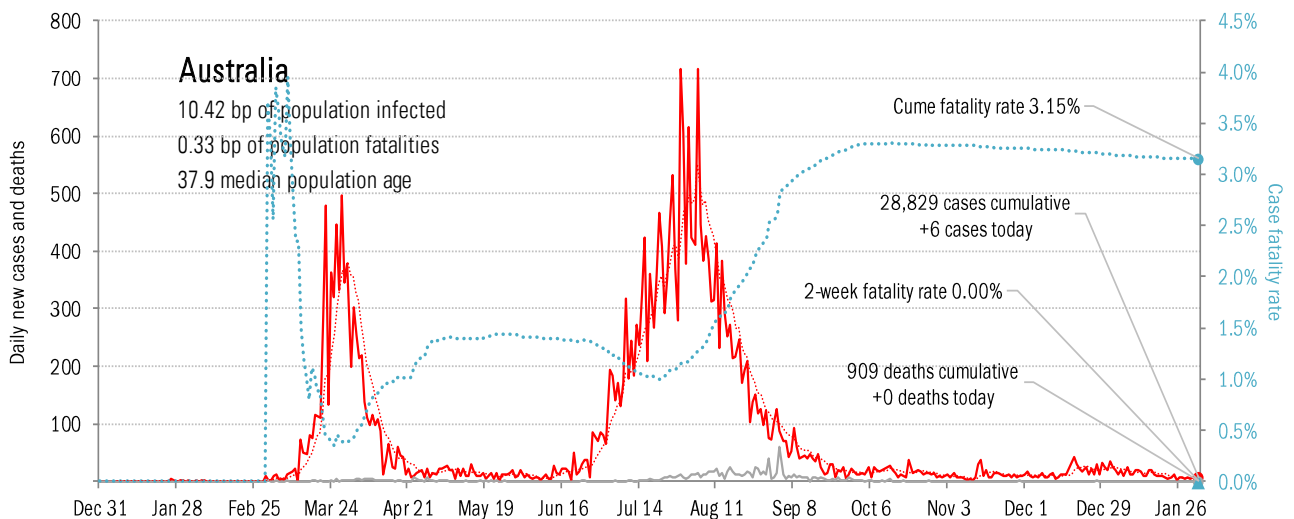
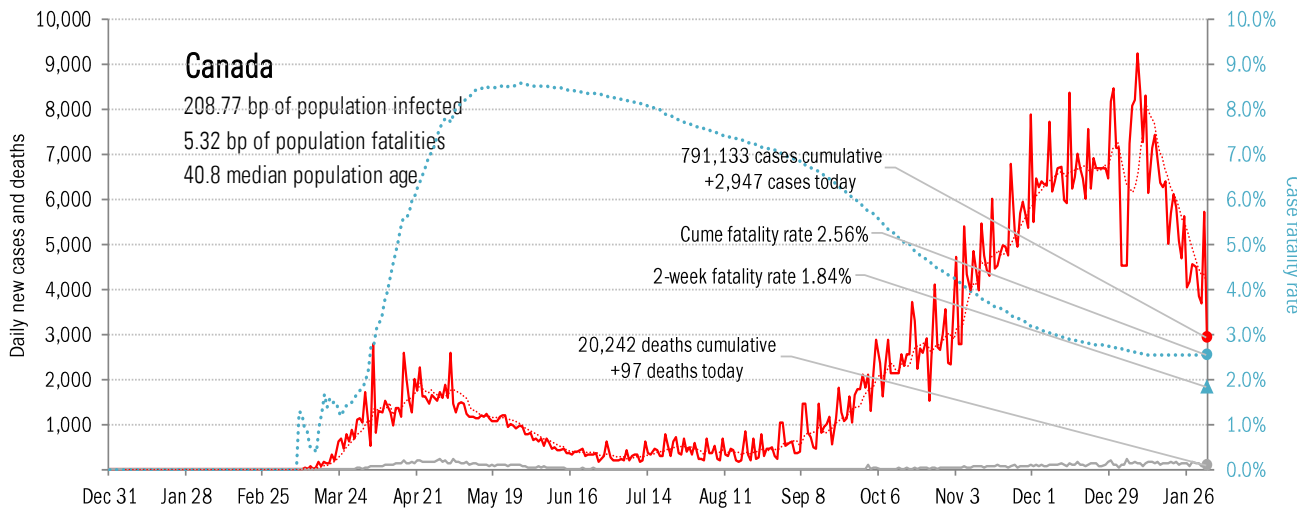
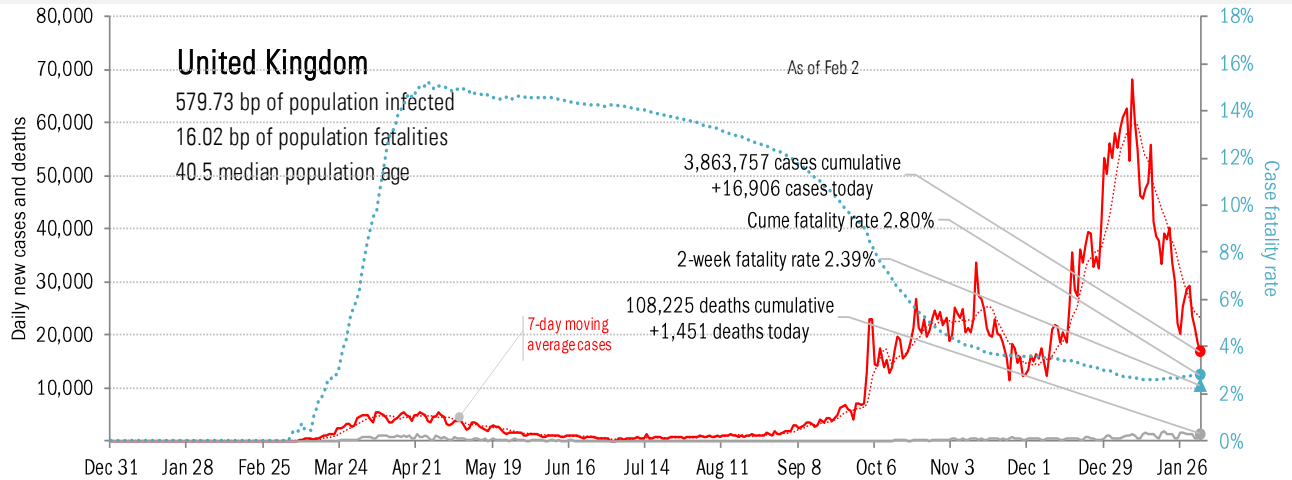


Source: [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



Impact in The Anglosphere



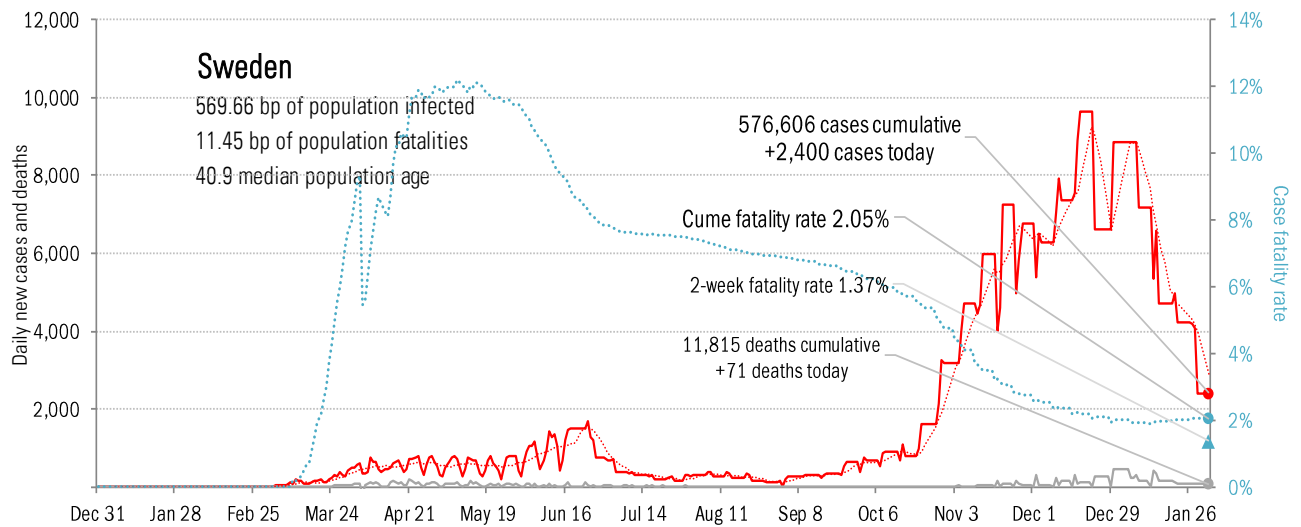
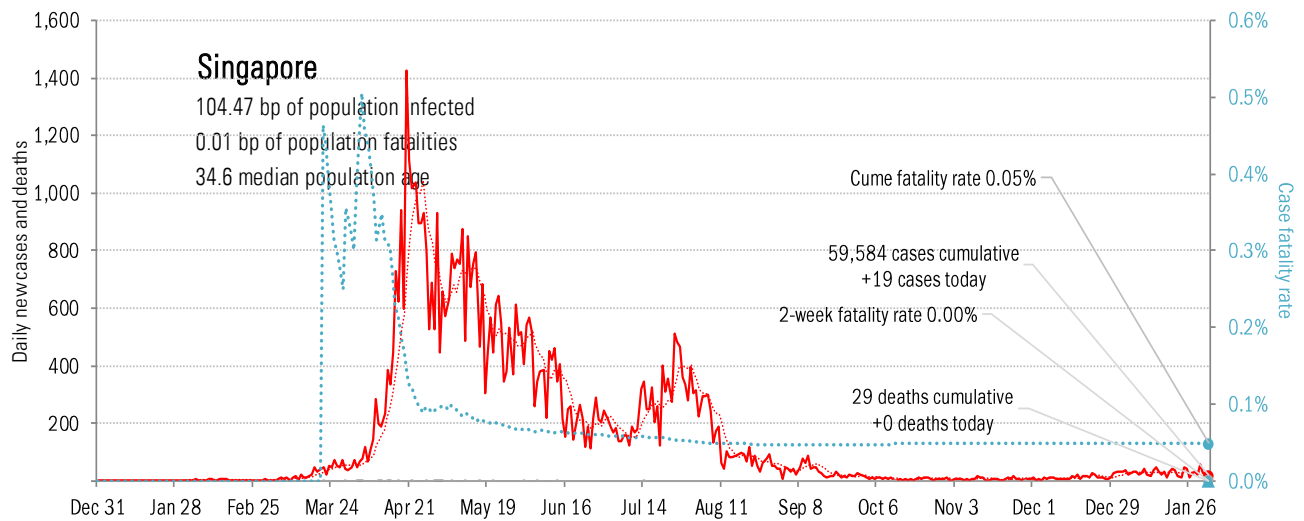
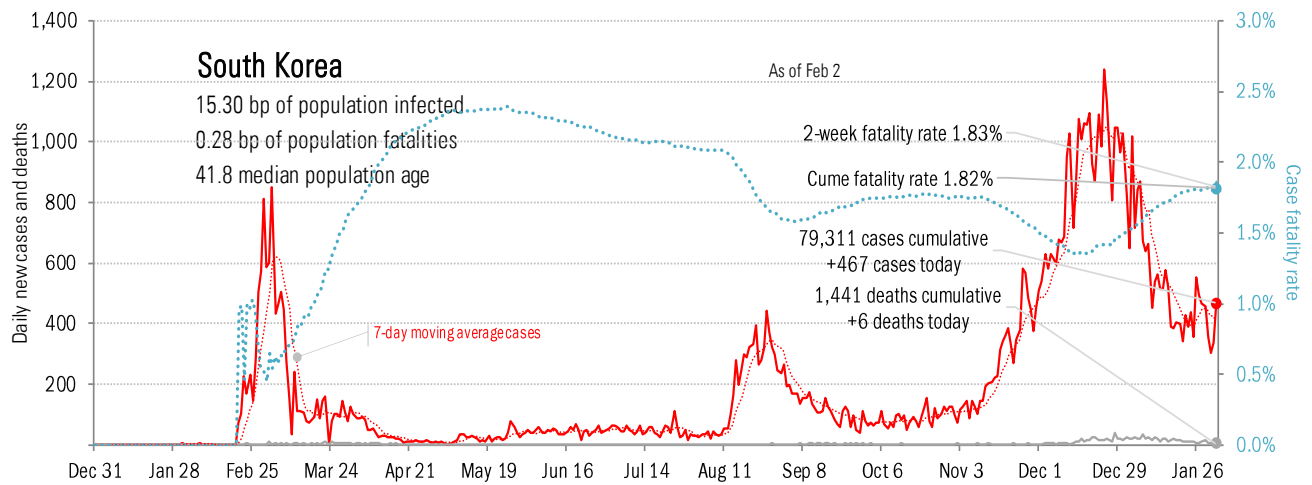
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe

s

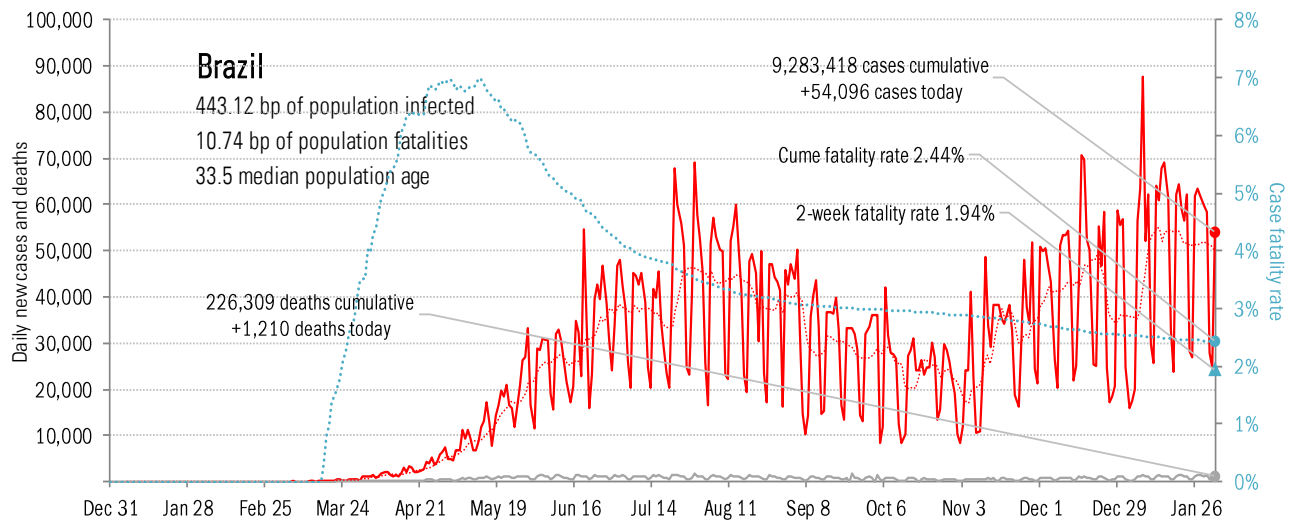
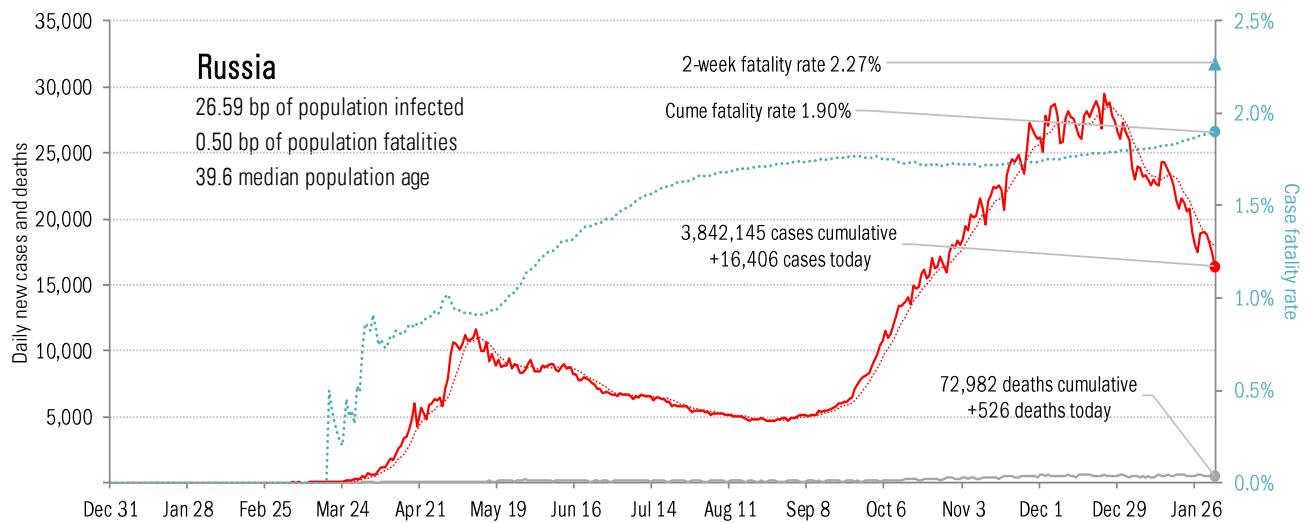
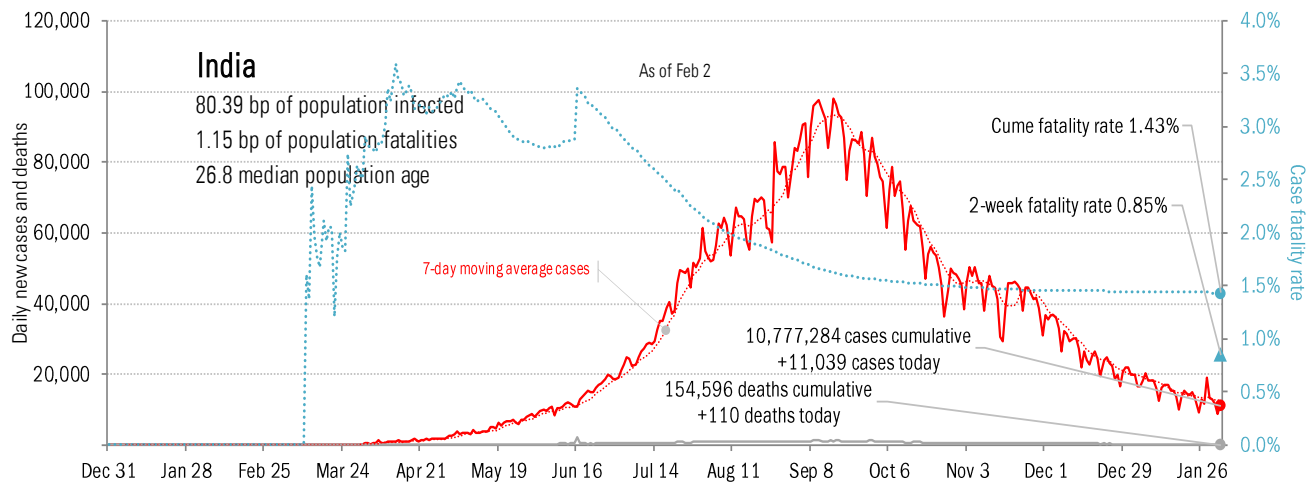
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



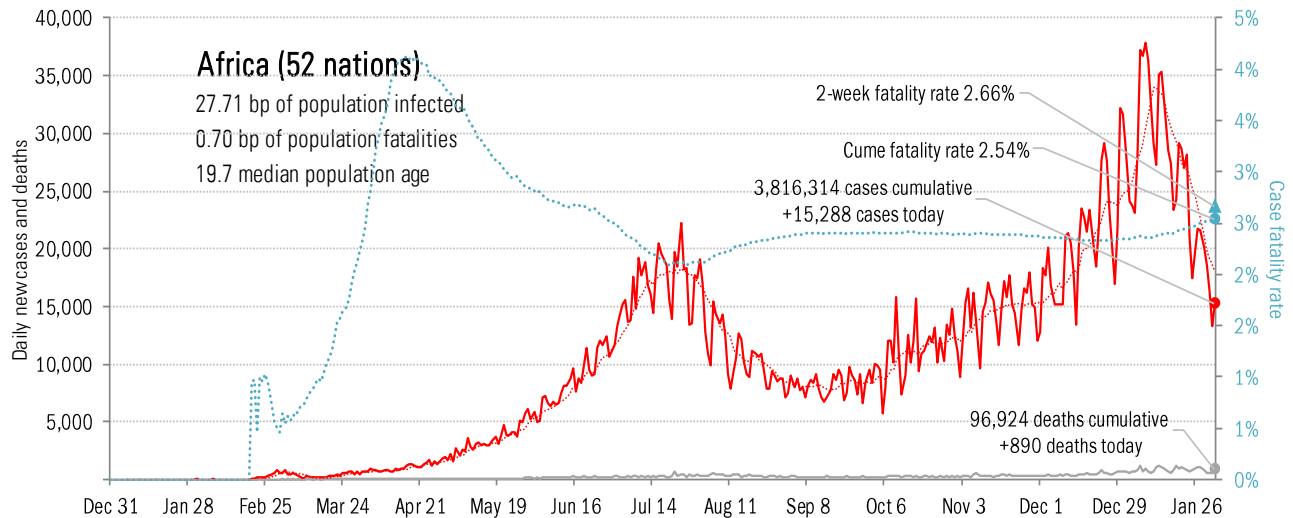
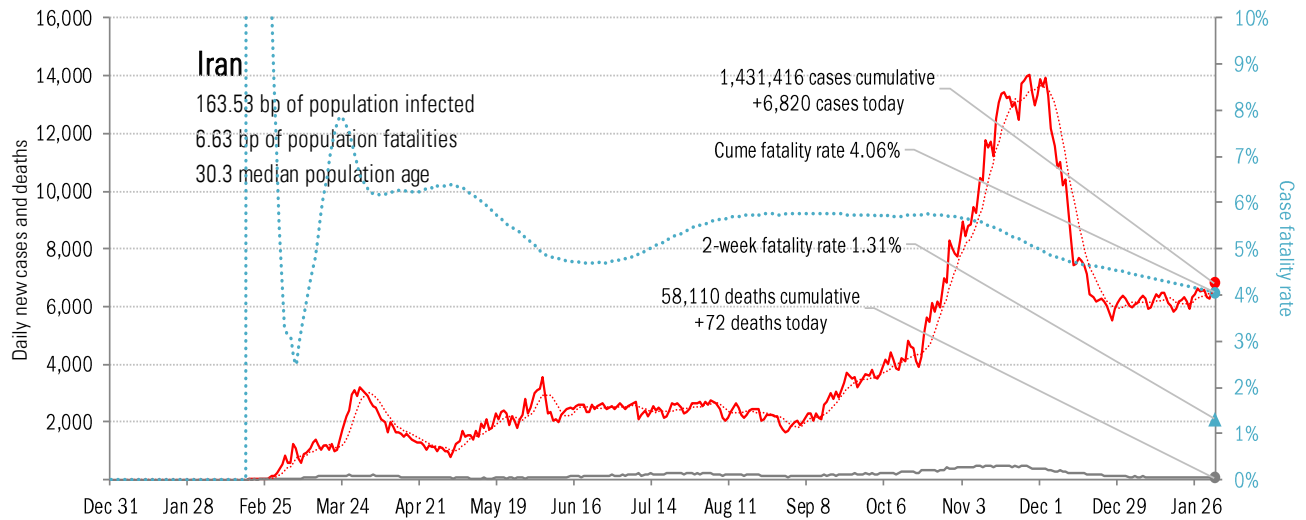
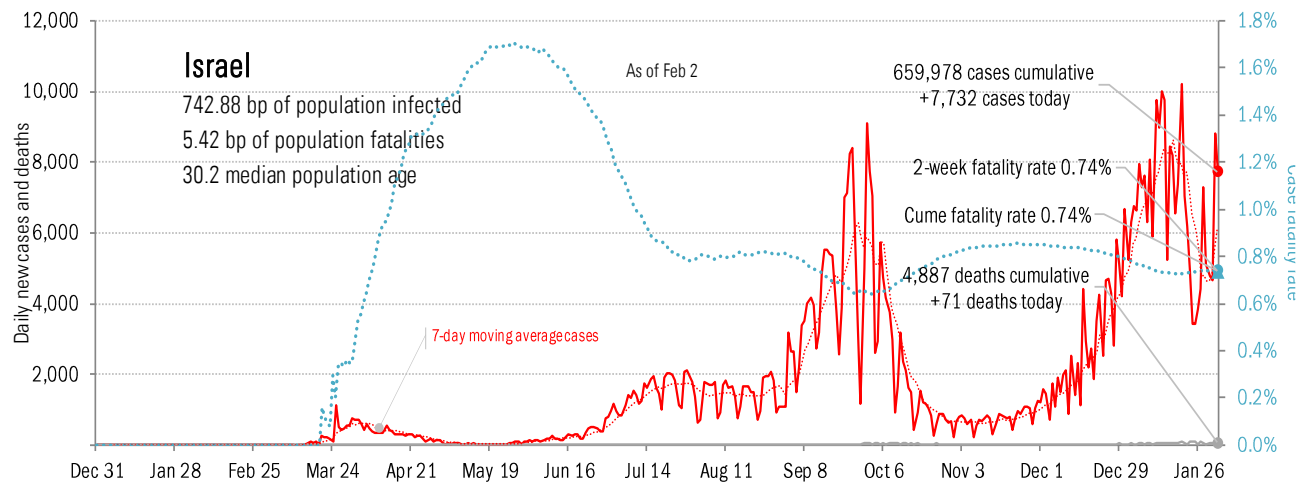
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



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

Impact in the Middle East and Africa



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