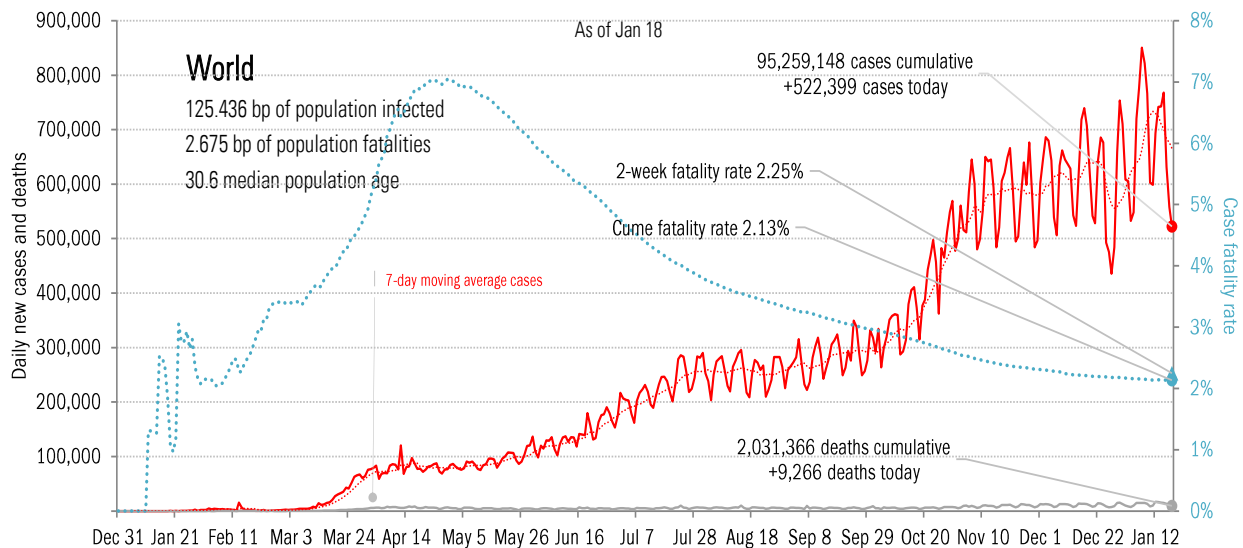
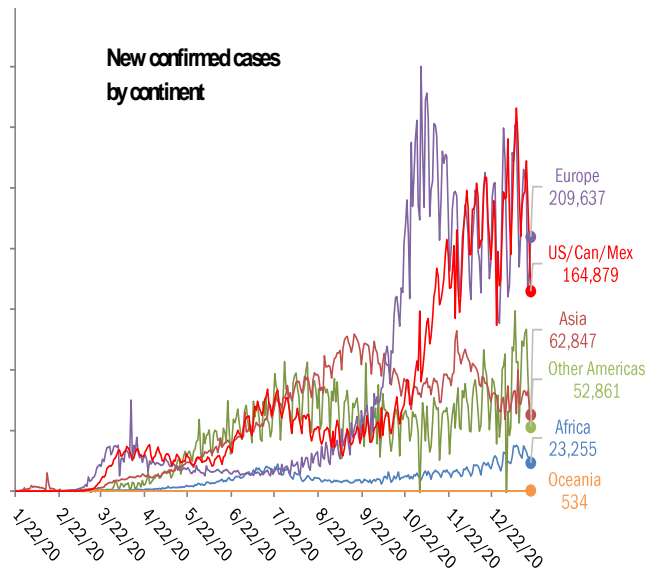


Data Insights: Covid-2019 Monitor

Tuesday, January 19, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+150,385	United States	+1,393
Spain	+84,287	United Kingdom	+602
United Kingdom	+37,610	Mexico	+544
Brazil	+23,671	Russia	+458
Russia	+22,509	Spain	+455
Colombia	+14,719	Brazil	+452
India	+10,050	Argentina	+425
Germany	+9,253	France	+404
Indonesia	+9,086	Italy	+377
South Africa	+9,010	Colombia	+373
+370,580		+5,483	
World	+522,399	World	+9,266
Top ten	71%	Top ten	59%



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

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The US scorecard

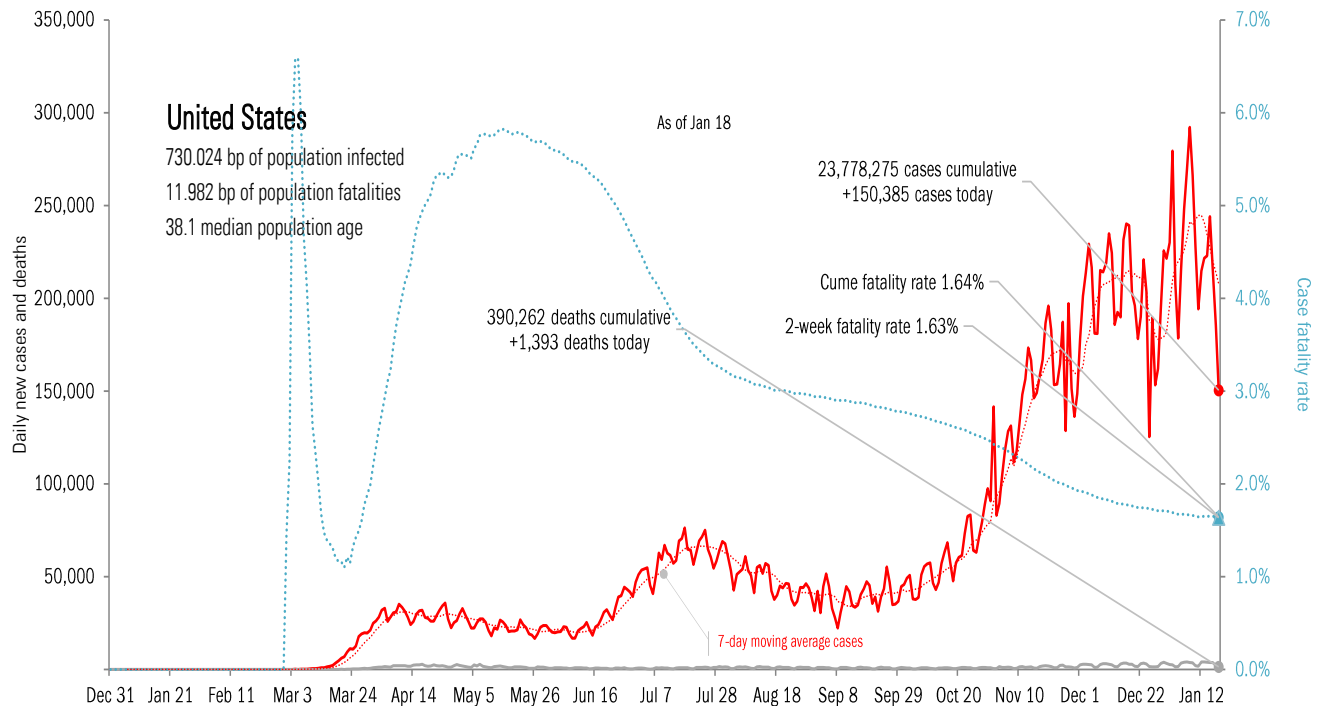
The ten worst US states

New cases			New Deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
CA	+30,699		CA	+201		TX	+130		CA	2,973,174		CA	33,593		NY	89,995		R	90%	AL	96%
NY	+12,185		NY	+155		NY	+97		TX	2,125,552		NY	33,052		FL	69,165		GA	89%	GA	94%
TX	+11,590		FL	+142		VA	+93		FL	1,550,444		TX	32,084		NJ	54,566		SC	88%	RI	91%
FL	+7,877		CH	+81		AL	+82		NY	1,245,575		FL	24,657		AZ	47,195		MD	86%	CK	91%
VA	+7,245		PA	+80		CH	+79		IL	1,072,214		NJ	20,458		GA	46,741		DC	84%	CA	89%
CT	+6,703		CT	+76		GA	+67		CH	831,066		IL	20,118		CH	43,351		FL	83%	NM	89%
AZ	+5,400		IL	+68		MA	+41		PA	771,845		PA	19,390		AL	39,504		CA	81%	TN	89%
GA	+4,385		GA	+64		IN	+38		TN	687,751		MI	14,686		IN	38,544		PA	81%	TX	88%
CH	+4,312		MA	+53		FL	+27		GA	684,763		MA	13,705		MD	29,842		AZ	81%	MS	87%
PA	+4,045		LA	+50		MD	+27		AZ	679,282		GA	12,360		MN	23,428		MA	81%	SC	87%
+94,441			+970			+681			12,621,666			224,103			482,331						
All states	+150,385			+1,393			-539		All states	23,778,275			390,262			759,695		All states	76%		80%
Top ten	63%			70%			-126%		Top ten	53%			57%			63%		Median	73%		78%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CA	-11,530	CA	-231	NJ	-245	TX	+19,684
NC	-6,811	TX	-161	KS	-177	PA	+15,370
TX	-4,812	SC	-118	MS	-87	MS	+8,881
LA	-3,156	LA	-73	MI	-82	CH	+5,808
FL	-2,860	NC	-67	WI	-78	TN	+3,924

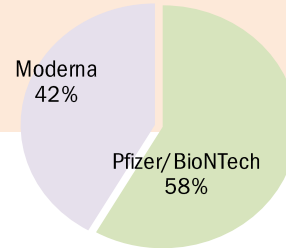


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US

US overall	Over last day
31.16 million doses distributed	+0.53 million/day
12.28 million doses administered	+1.13 million/day
10.60 million persons with one or more shot	+0.91 million/day
1.61 million persons with two or more shots	+0.27 million/day
1.38 million shots in long-term care	+0.16 million/day

39.4% of distributed doses administered
3.7% of US population vaccinated
3.2% of US population one shot
0.5% of US population two shots



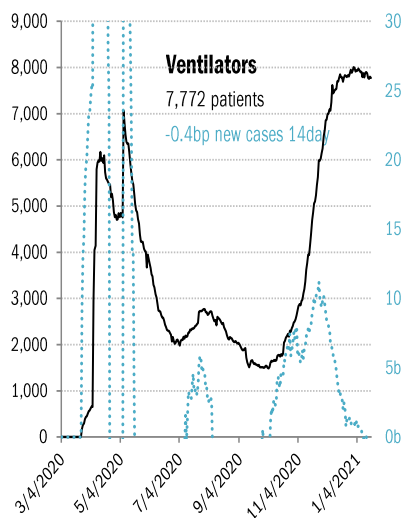
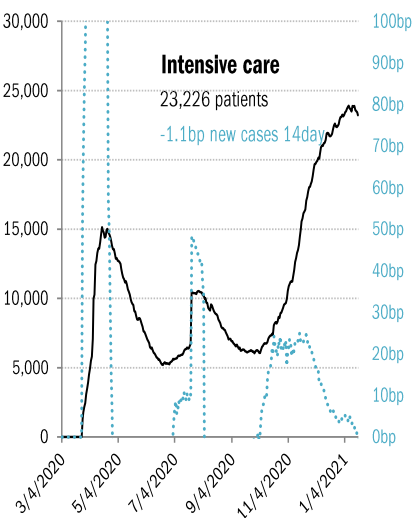
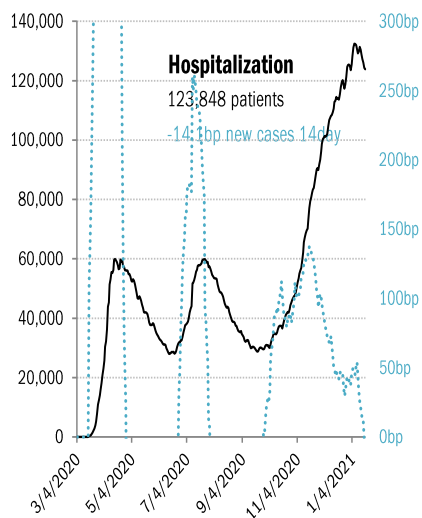
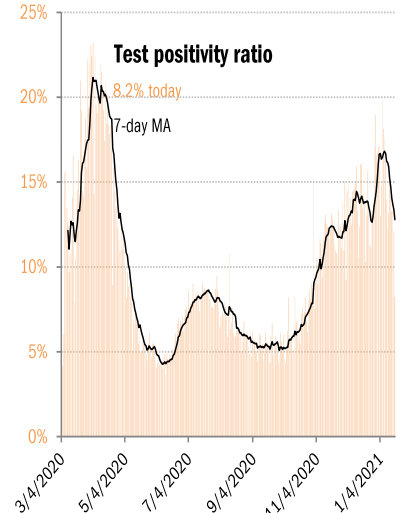
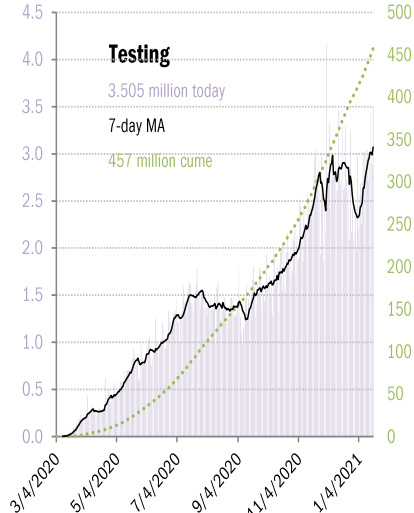
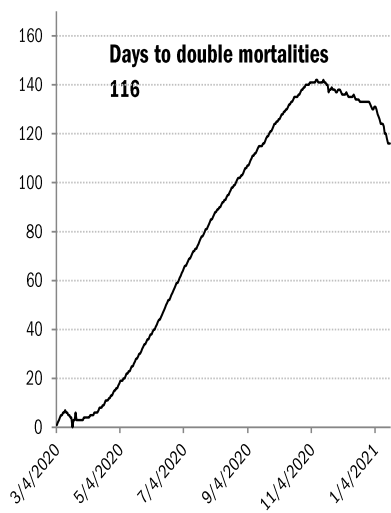
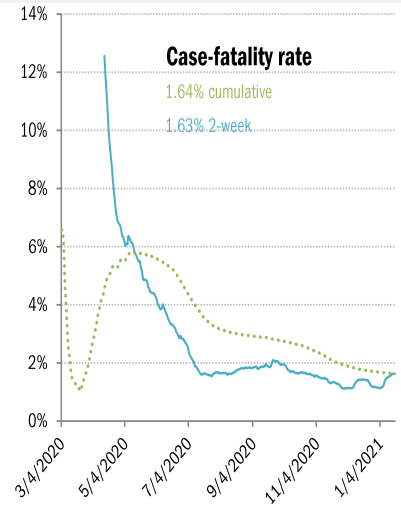
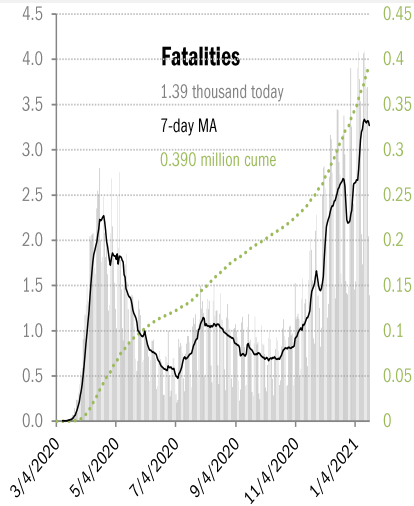
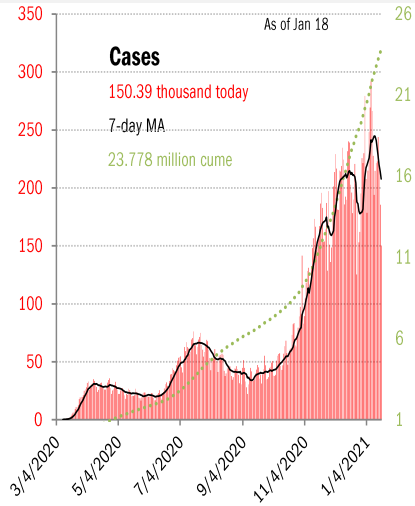
State	Doses distributed as % population	One shot received as % population	Two shots received as % distributed	Category
AK	20.6%	5.4%	1.3%	Best
ME	10.2%	3.8%	0.6%	Middle
VT	11.9%	4.5%	0.7%	Worst
NH	9.4%	4.2%	0.4%	Worst
WI	7.5%	2.6%	0.3%	Worst
WA	9.1%	2.6%	0.4%	Worst
ID	9.0%	2.1%	0.5%	Worst
MT	9.2%	3.9%	0.8%	Worst
ND	9.0%	5.1%	1.0%	Best
MN	9.2%	3.0%	0.5%	Worst
IL	8.0%	2.7%	0.7%	Worst
MI	7.7%	3.1%	0.5%	Worst
NY	9.7%	3.5%	0.4%	Worst
MA	9.7%	3.2%	0.5%	Worst
OR	7.9%	3.2%	0.3%	Worst
NV	6.9%	2.2%	0.5%	Worst
WY	10.2%	3.4%	0.5%	Worst
SD	10.6%	5.4%	1.1%	Best
IA	8.5%	3.4%	0.3%	Worst
IN	9.5%	3.3%	0.6%	Worst
OH	8.3%	3.1%	0.1%	Worst
PA	8.4%	3.0%	0.5%	Worst
NJ	7.4%	3.1%	0.4%	Worst
CT	9.2%	4.7%	0.5%	Worst
RI	10.2%	3.7%	0.8%	Worst
CA	9.0%	2.2%	0.5%	Worst
UT	8.4%	3.6%	0.3%	Worst
CO	9.2%	3.9%	0.8%	Worst
NE	10.9%	4.0%	0.7%	Worst
MO	8.6%	2.5%	0.6%	Worst
KY	7.6%	3.6%	0.2%	Worst
WV	11.5%	6.3%	1.2%	Best
VA	10.0%	2.5%	0.3%	Worst
MD	9.3%	3.0%	0.3%	Worst
DE	9.4%	2.6%	0.6%	Worst
AZ	7.9%	2.4%	0.3%	Worst
NM	9.8%	3.8%	0.9%	Worst
KS	9.0%	2.9%	0.5%	Worst
AR	9.9%	3.2%	0.6%	Worst
TN	9.6%	3.9%	0.6%	Worst
NC	9.5%	2.5%	0.4%	Worst
SC	6.8%	2.0%	0.4%	Worst
DC	9.7%	4.5%	1.2%	Worst
OK	10.7%	4.4%	0.7%	Worst
LA	8.0%	3.6%	0.7%	Worst
MS	7.8%	2.6%	0.3%	Worst
AL	9.1%	1.8%	0.3%	Worst
GA	9.5%	1.9%	0.2%	Worst
HI	10.9%	2.8%	0.5%	Worst
TX	7.3%	3.5%	0.5%	Worst
FL	9.6%	3.6%	0.3%	Worst
PR	9.7%	2.7%	0.5%	Worst

As of Jan 15

Source: [CDC](#), TrendMacro calculations

US deep-dive

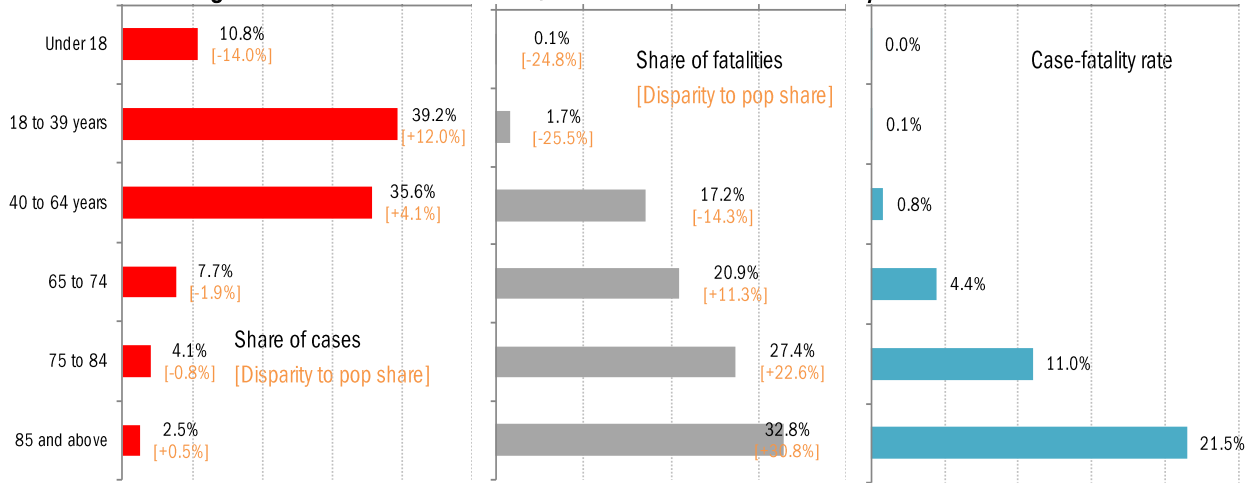
National and state-by-state data do not line up because of different sources



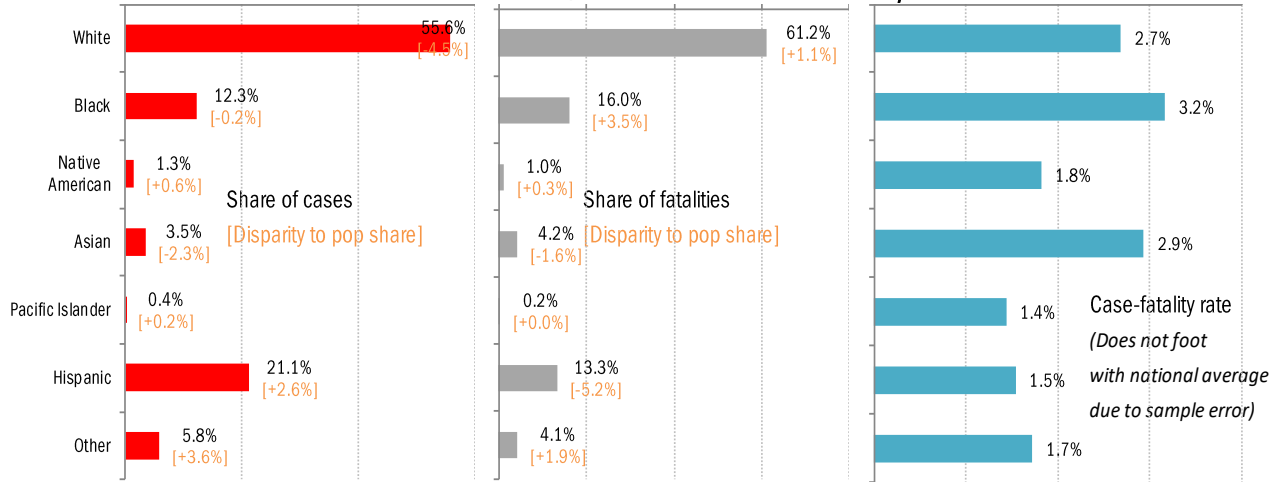
Source: [Covid Tracking Project](https://covidtracking.com), TrendMacro calculations

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

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

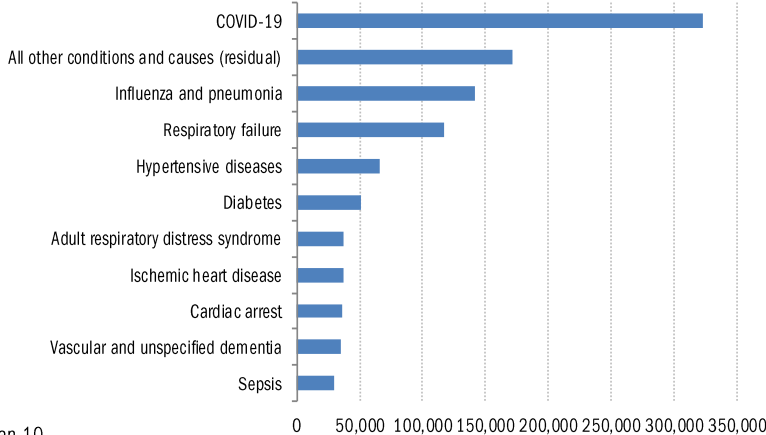


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jan 10

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

[They Did Their Jobs Well](#)

Wall Street Journal
January 18, 2021

[How Full Employment Became Washington's Creed](#)

Jeanna Smialek
New York Times
January 18, 2021

[U.S. health officials push hospitals to administer unused Covid antibody drugs](#)

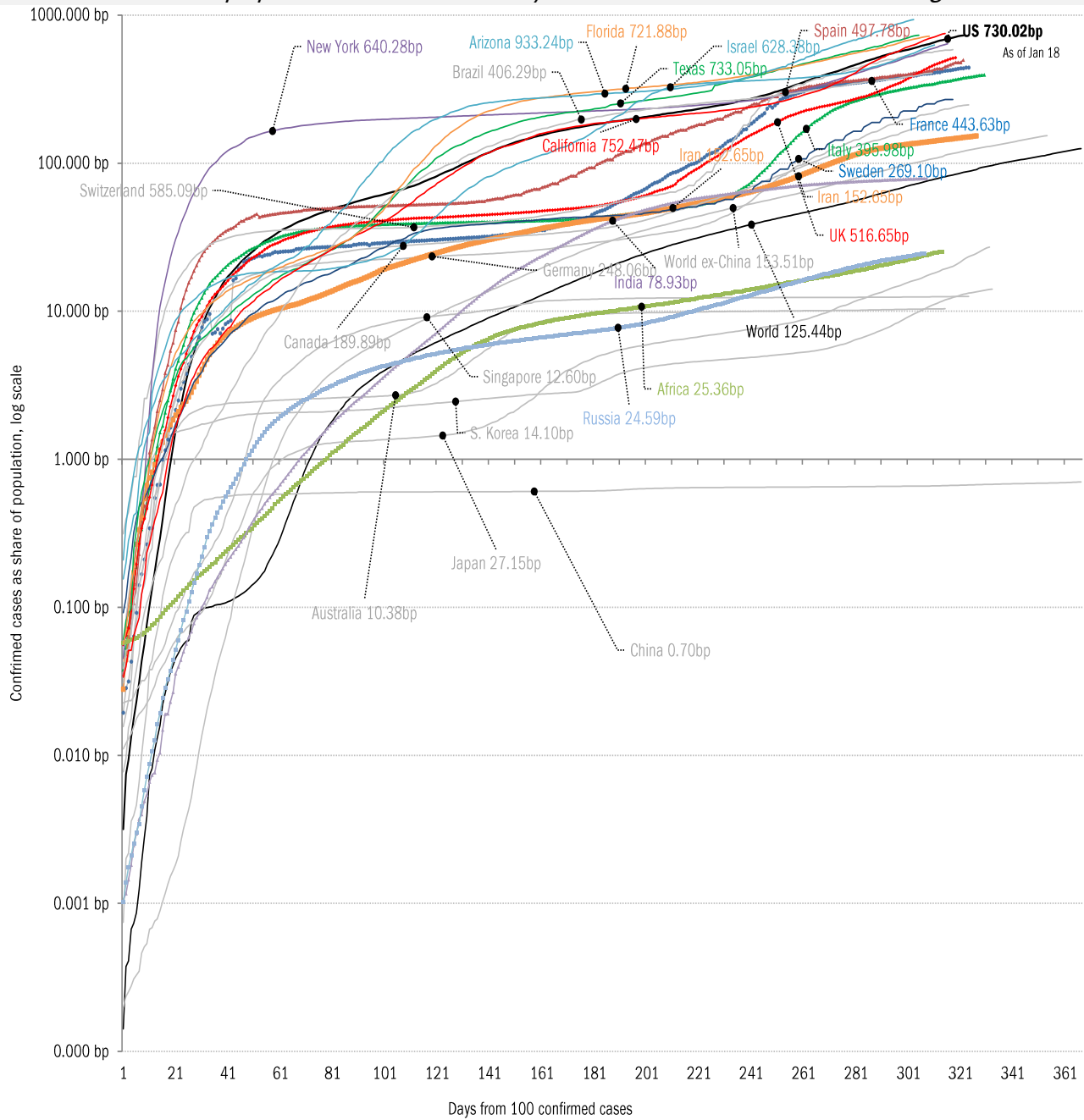
Noah Higgins-Dunn
CNBC
January 15, 2021

Meme of day



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

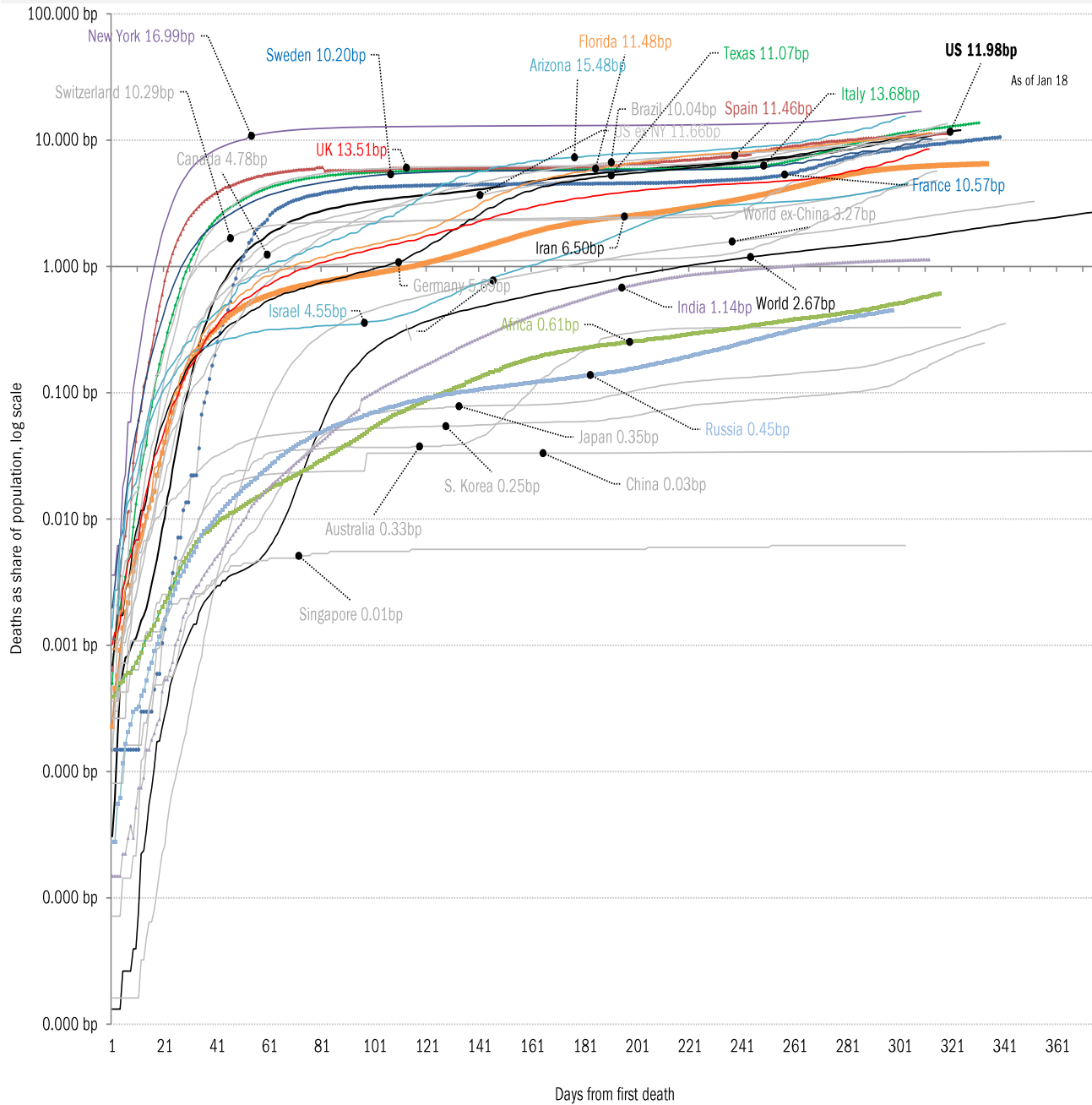
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

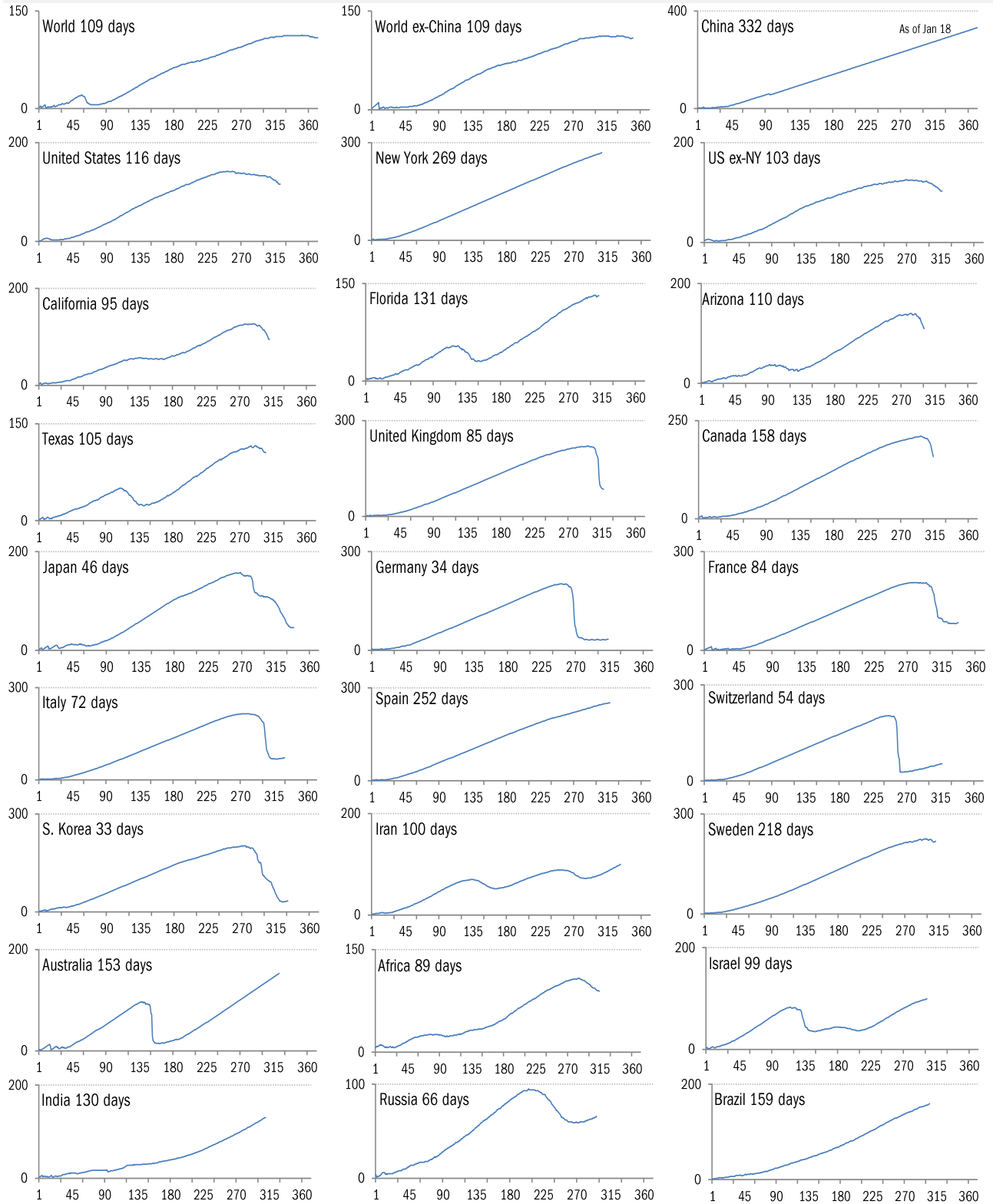


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

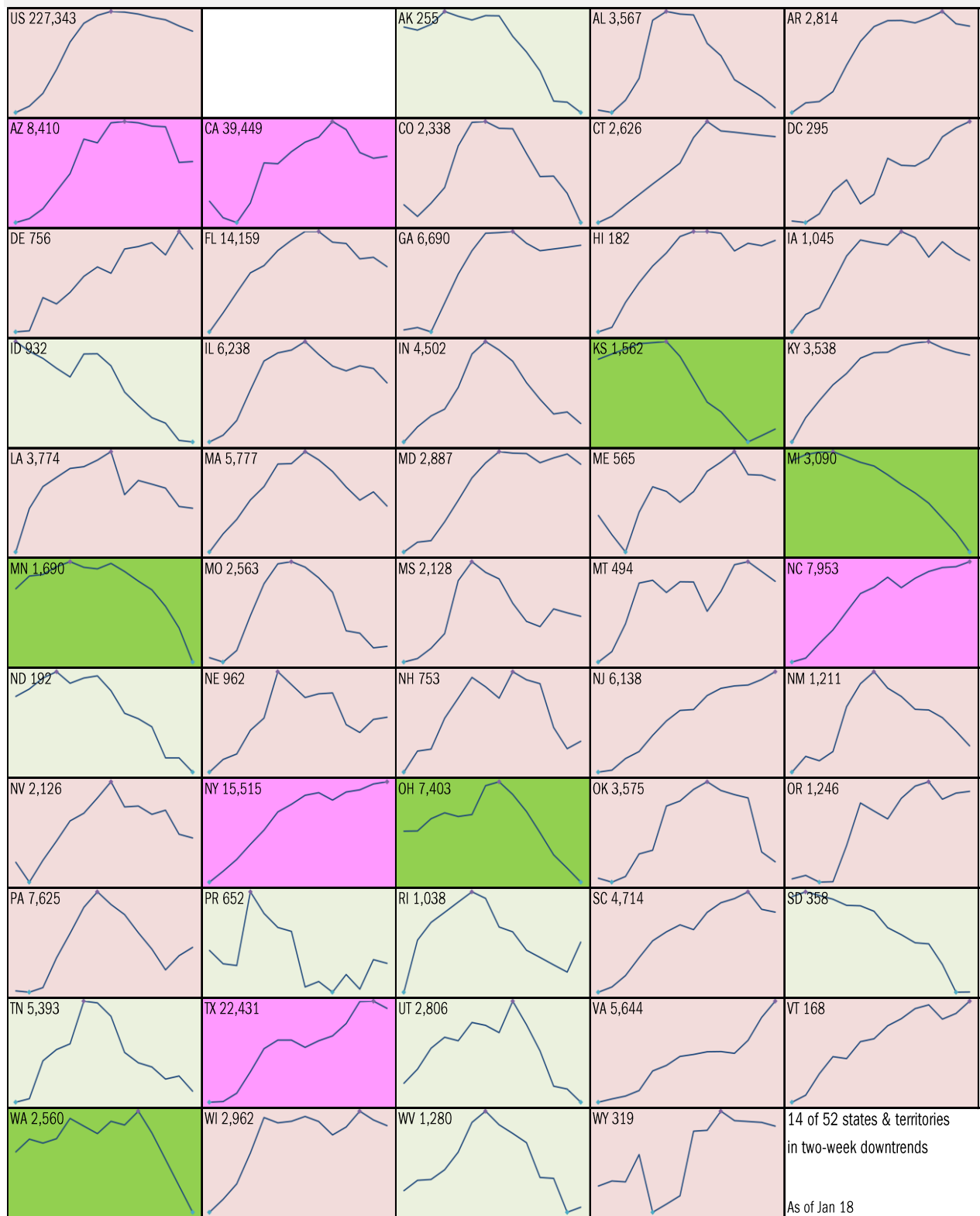
Vertical: days to double deaths Horizontal: days from first death

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



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

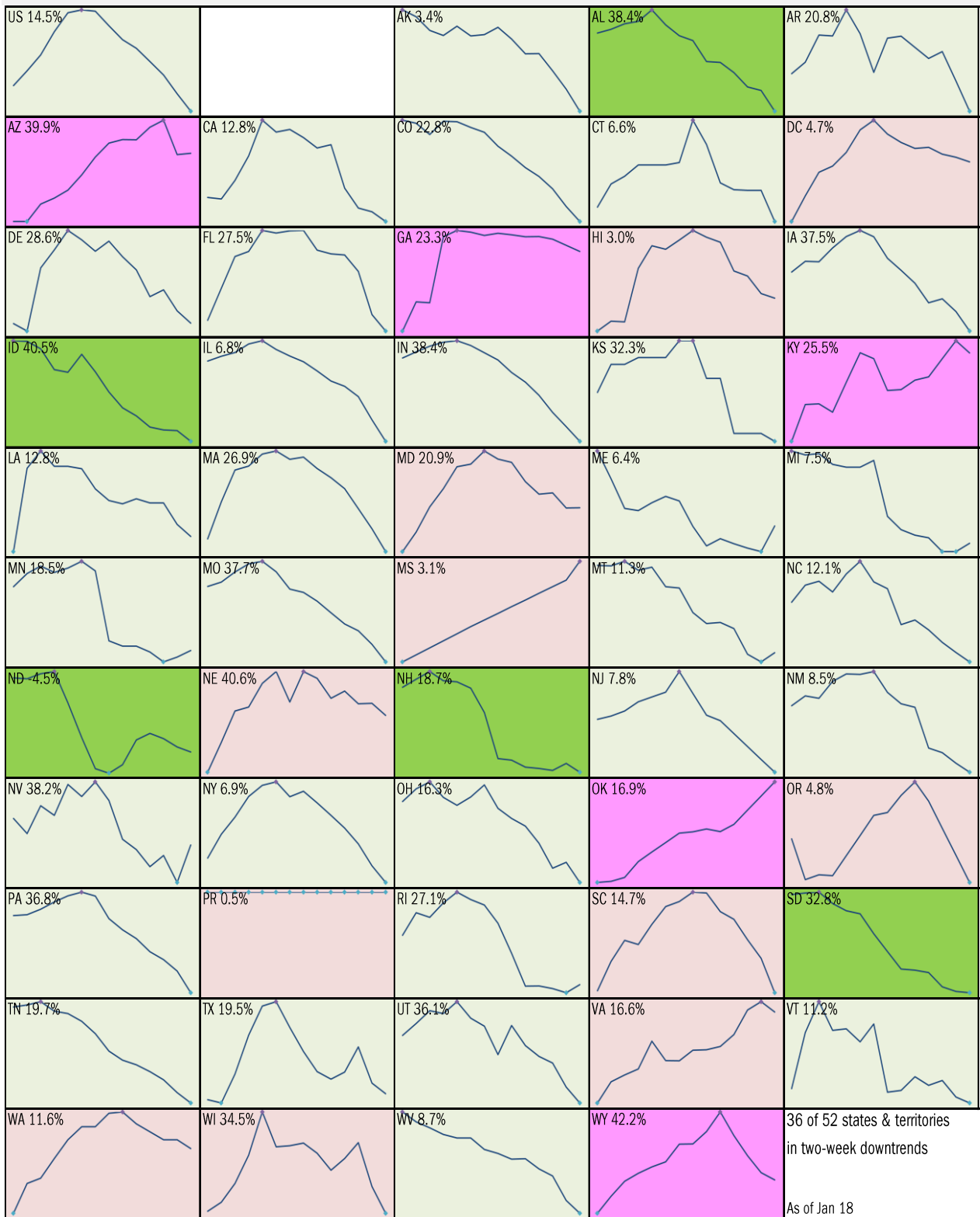
Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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



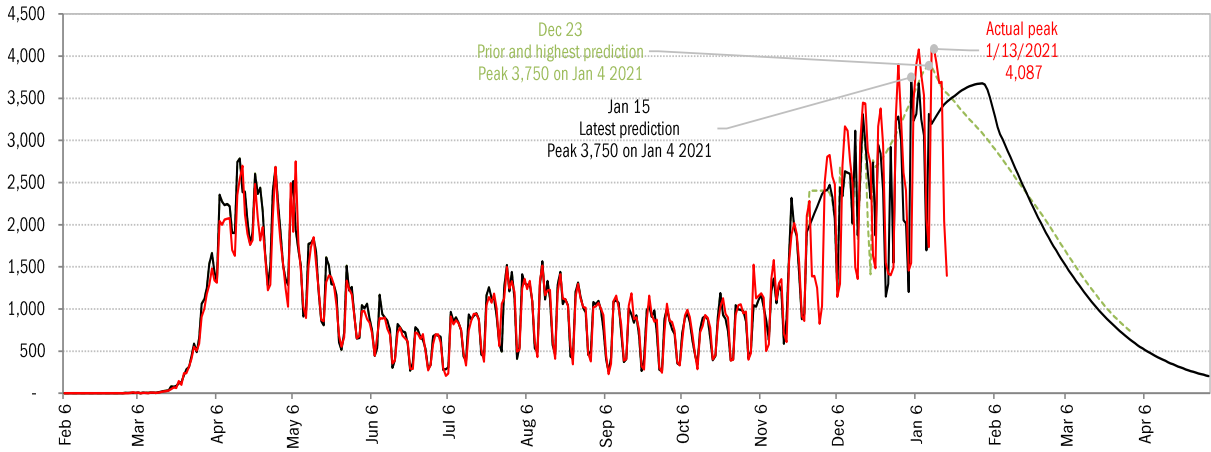
Source: [Covid Tracking Project](#), TrendMacro calculations

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

New daily fatalities

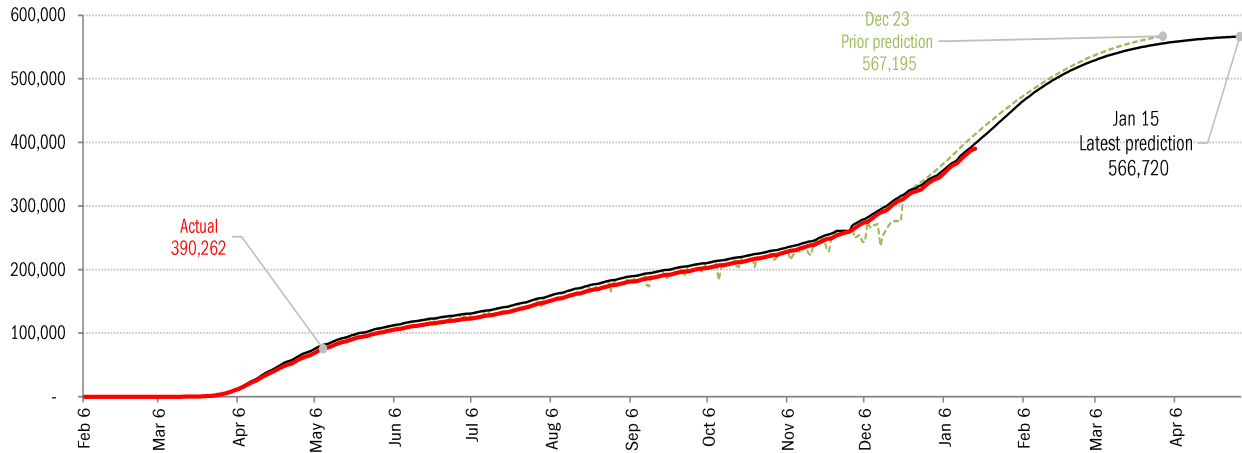
As of Jan 18

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

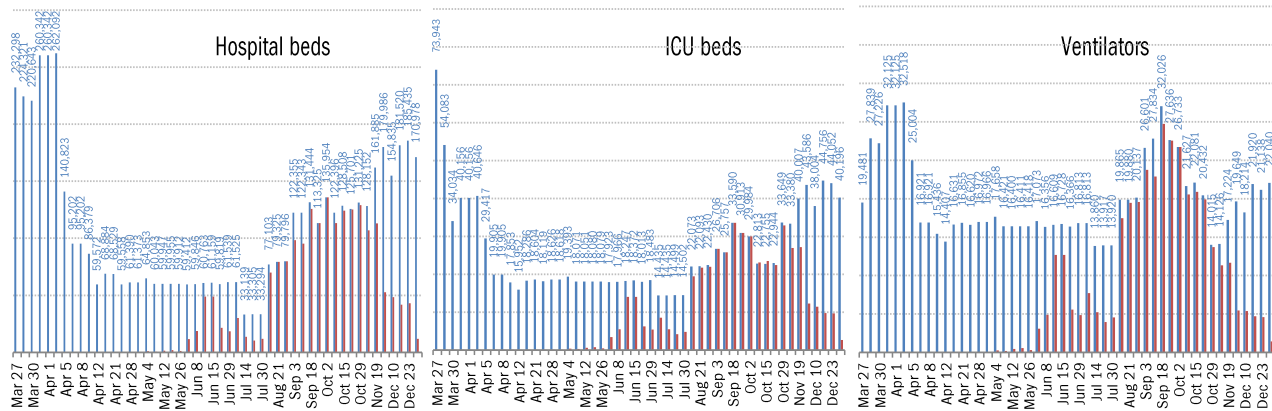


Cumulative fatalities

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

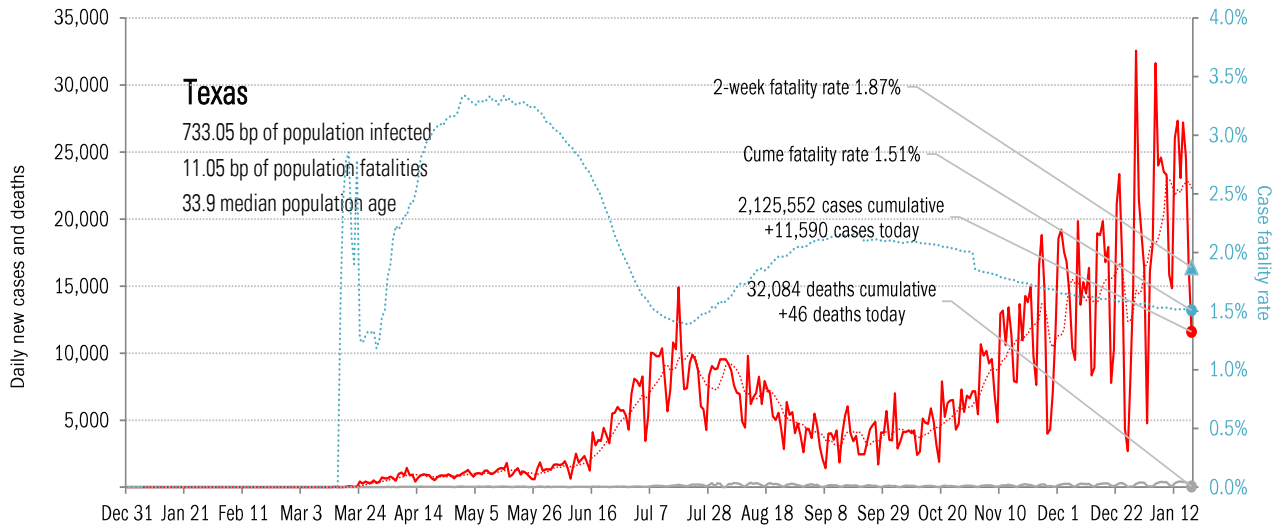
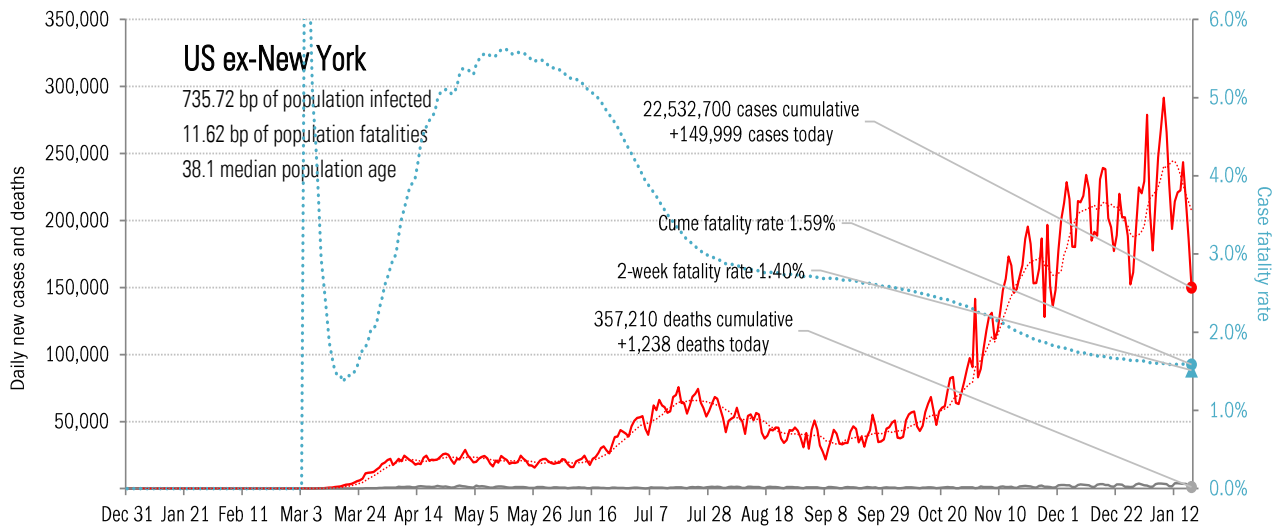
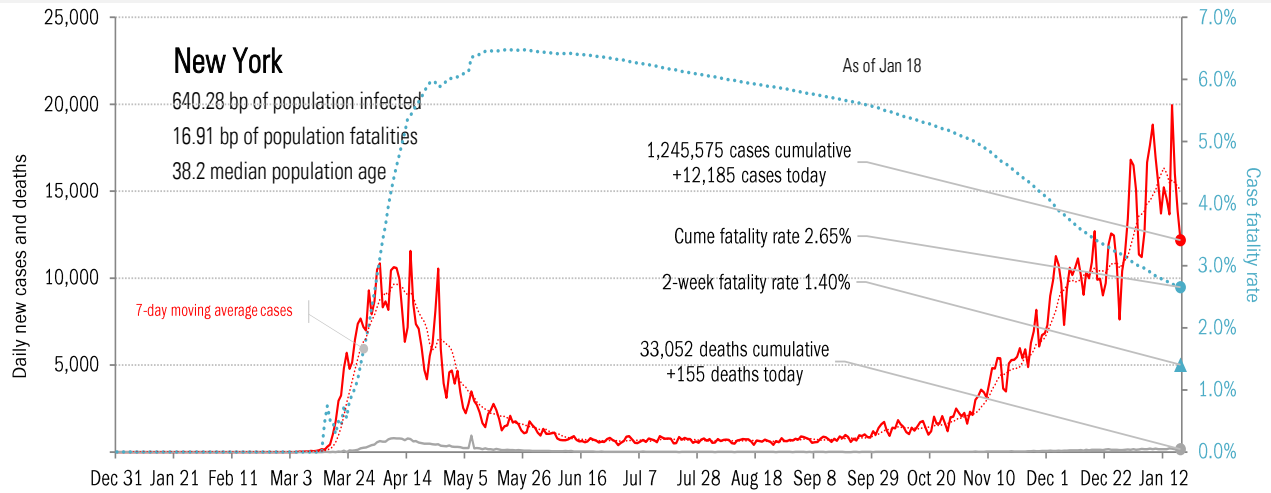


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



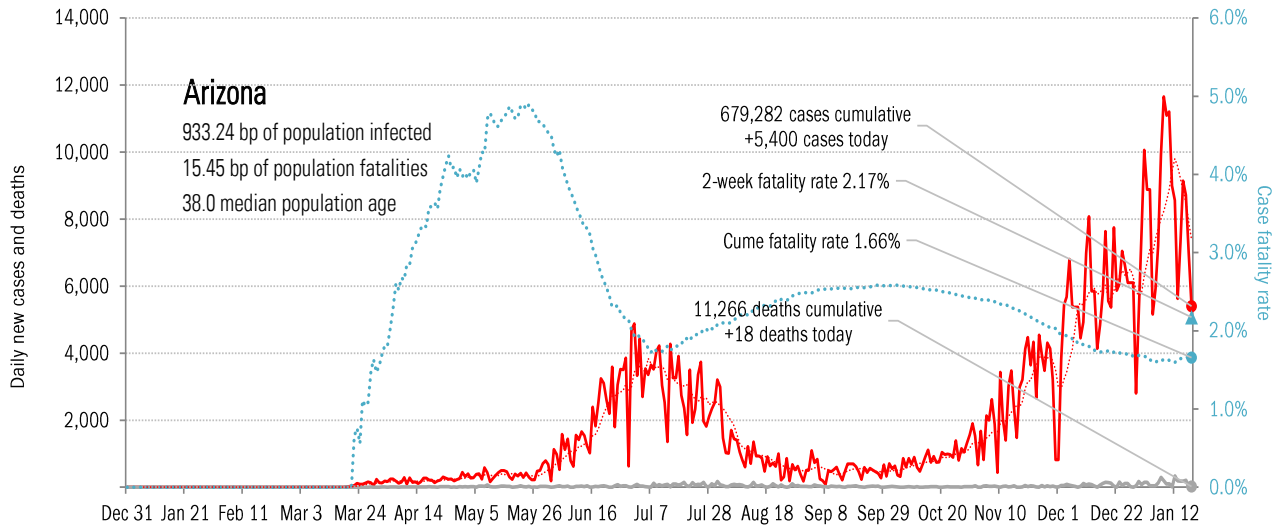
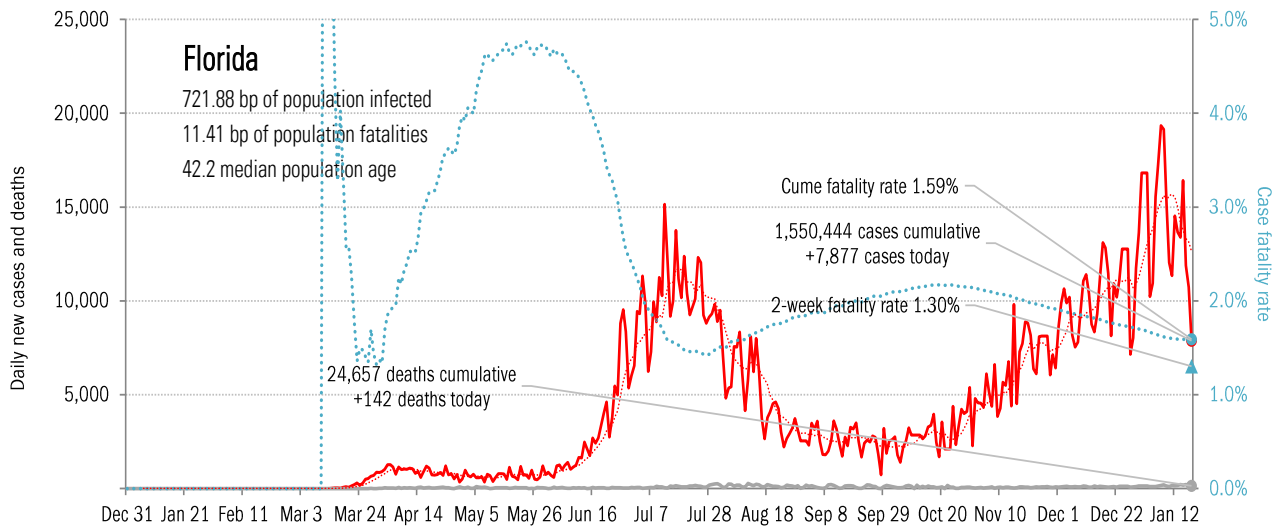
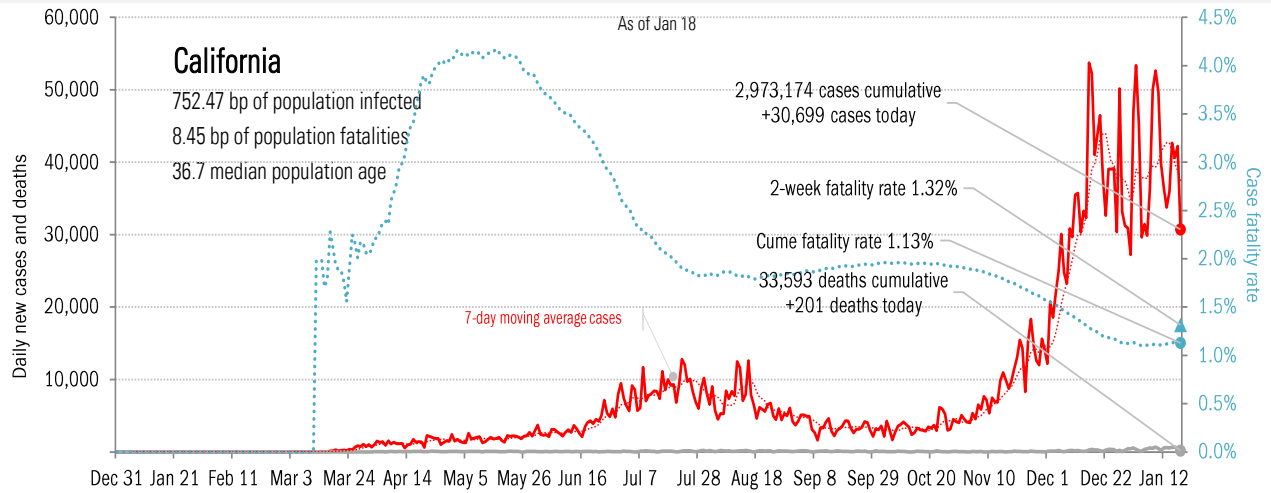
Source: [IHME Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



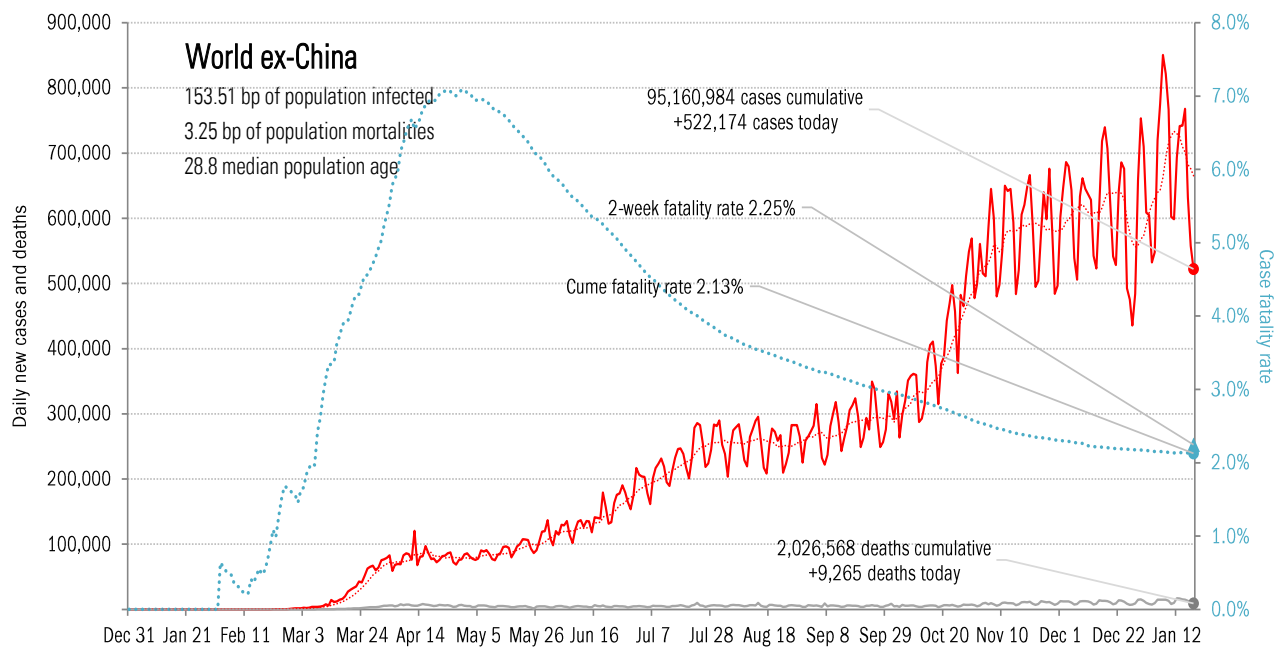
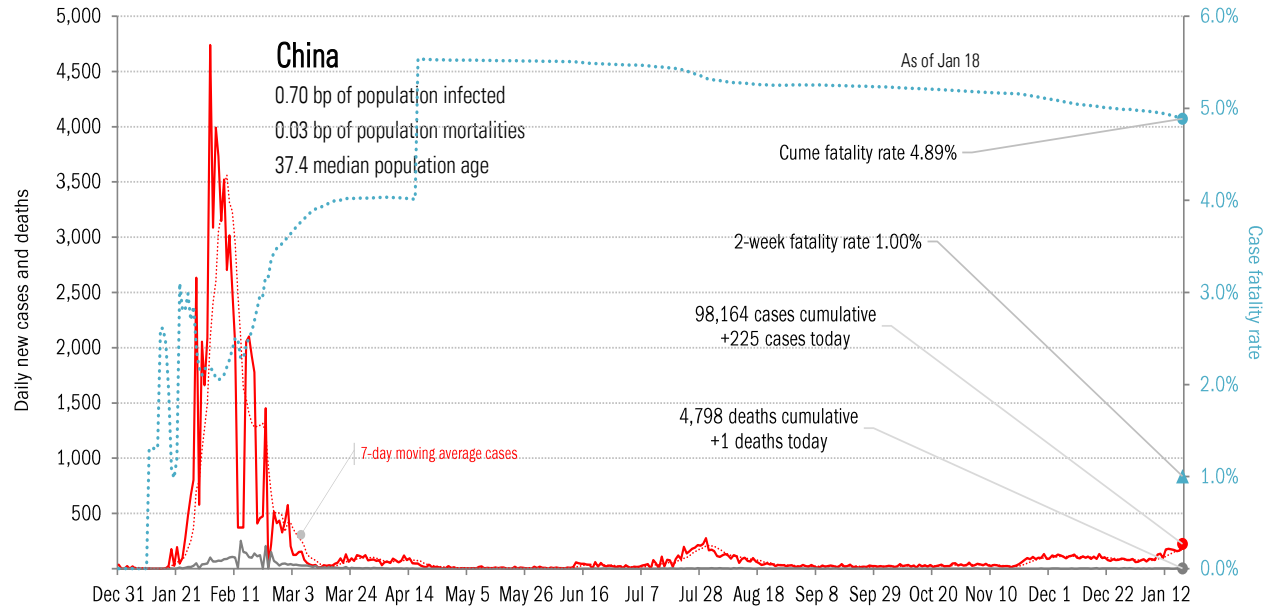
Source: [Covid Tracking Project](#), TrendMacro calculations

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



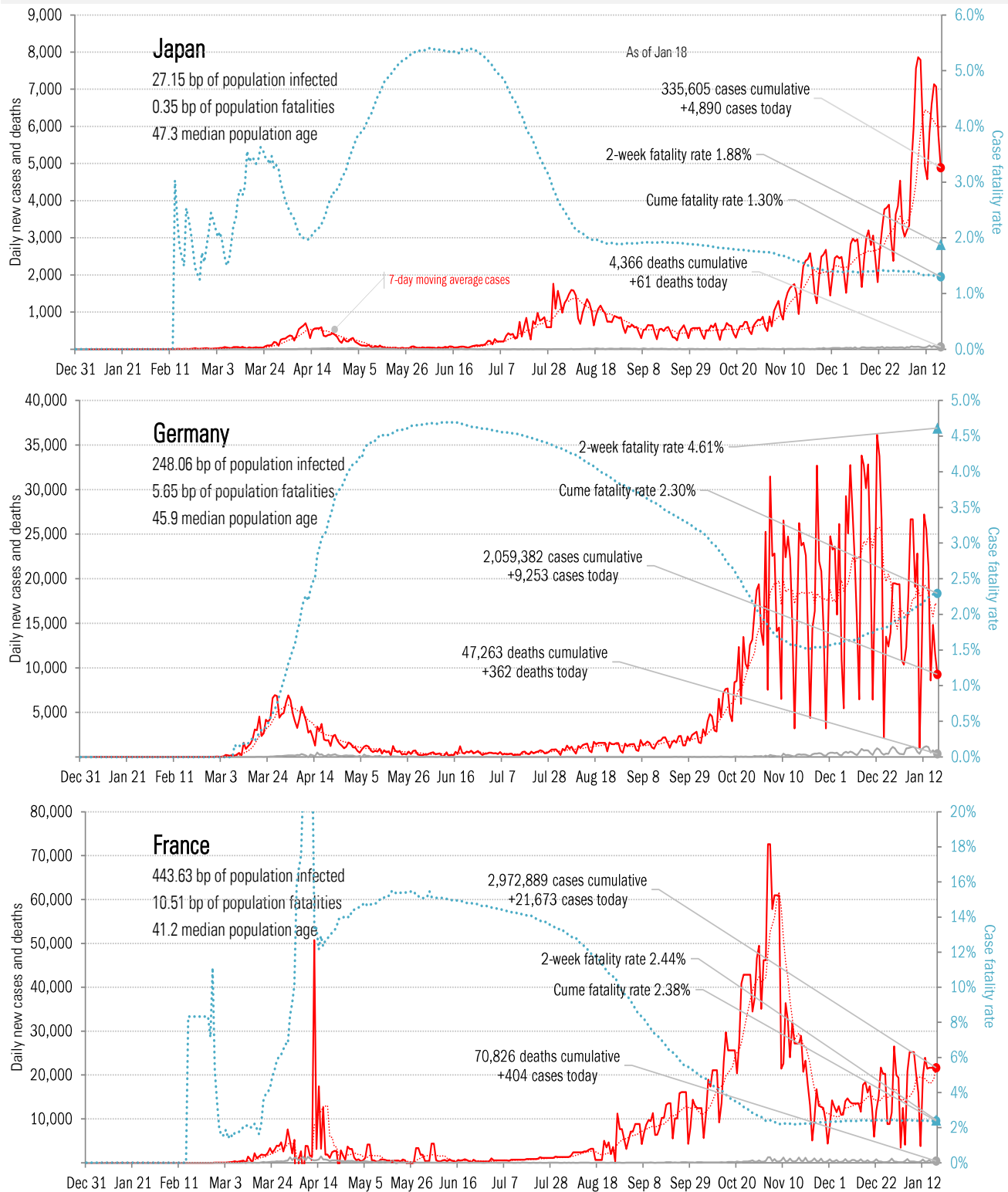
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



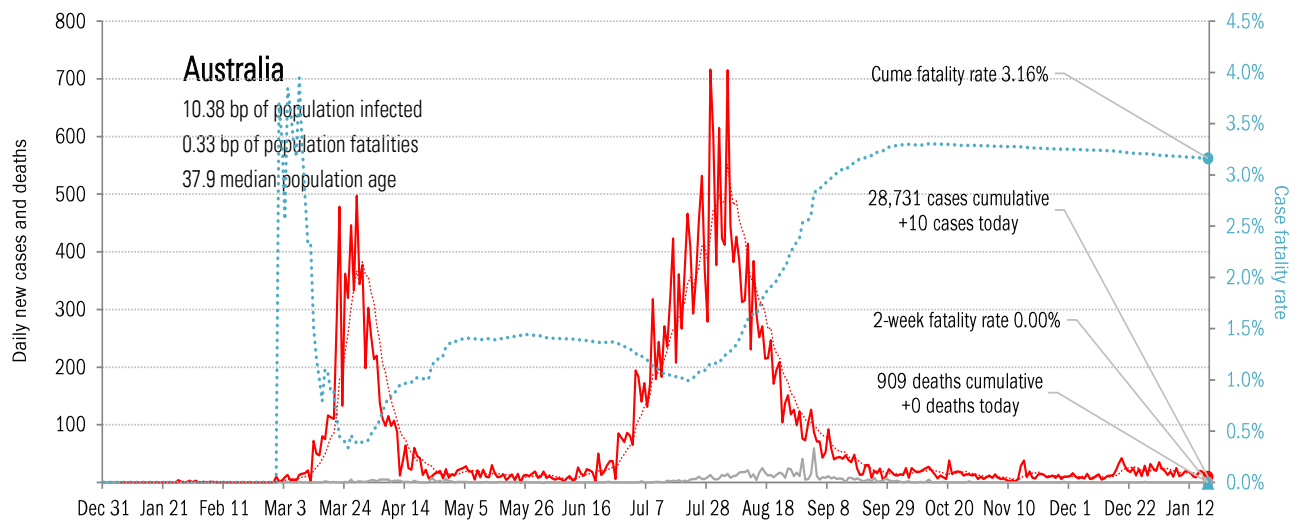
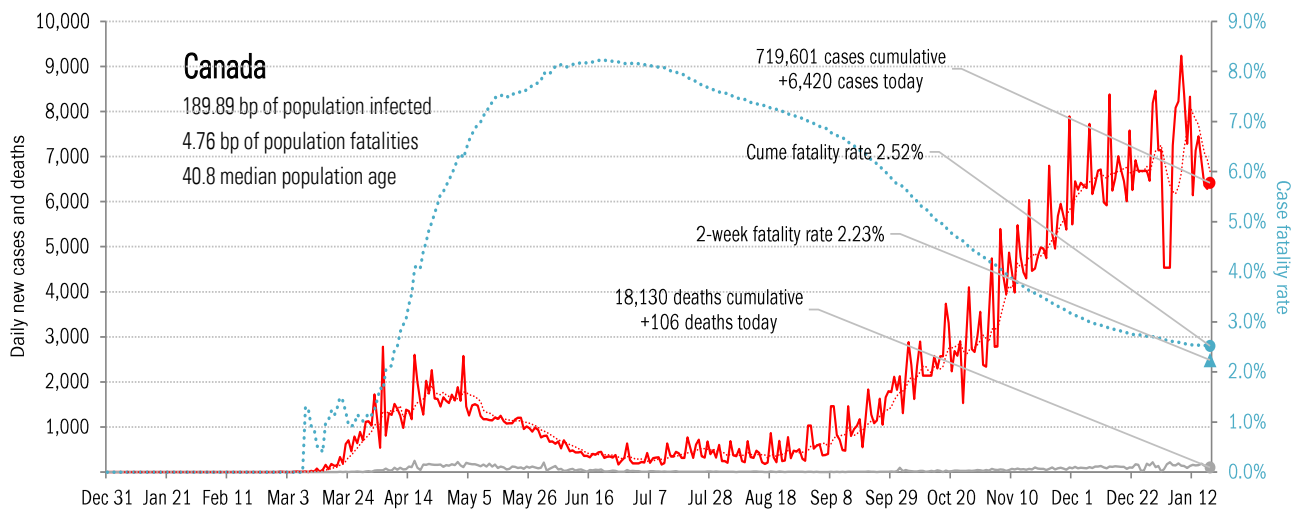
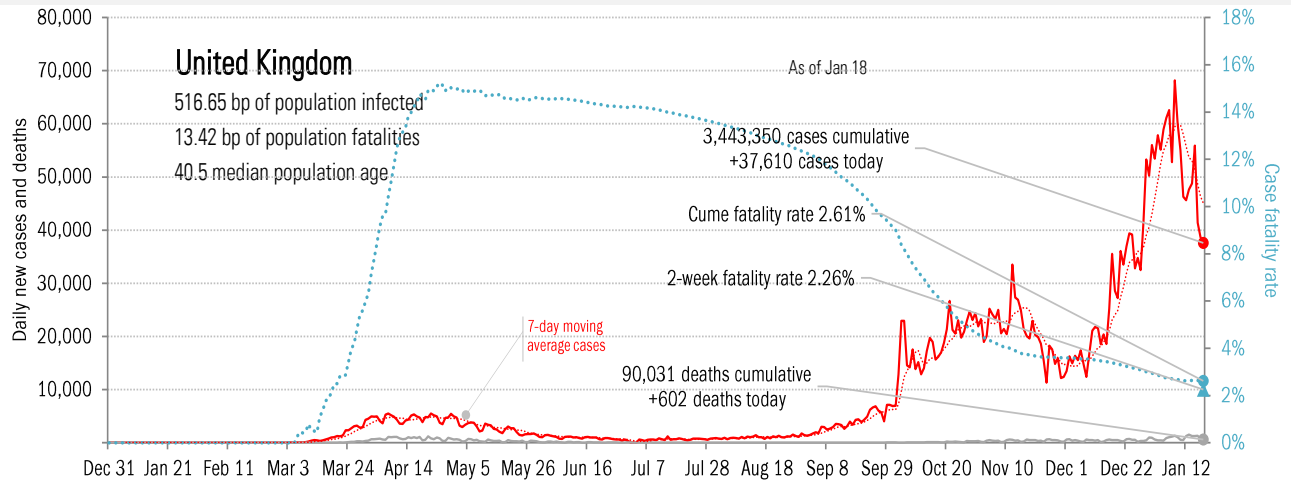
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



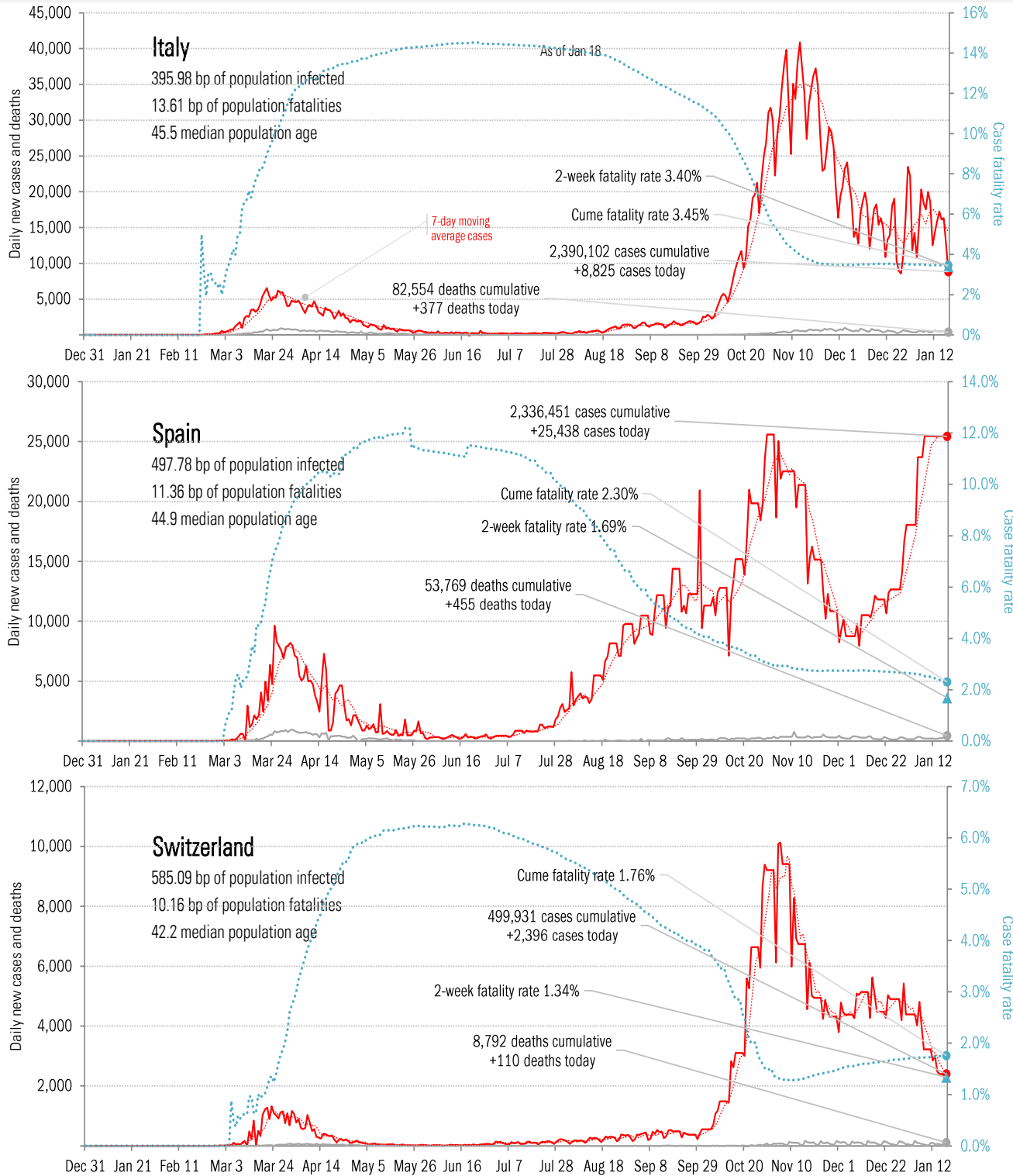
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



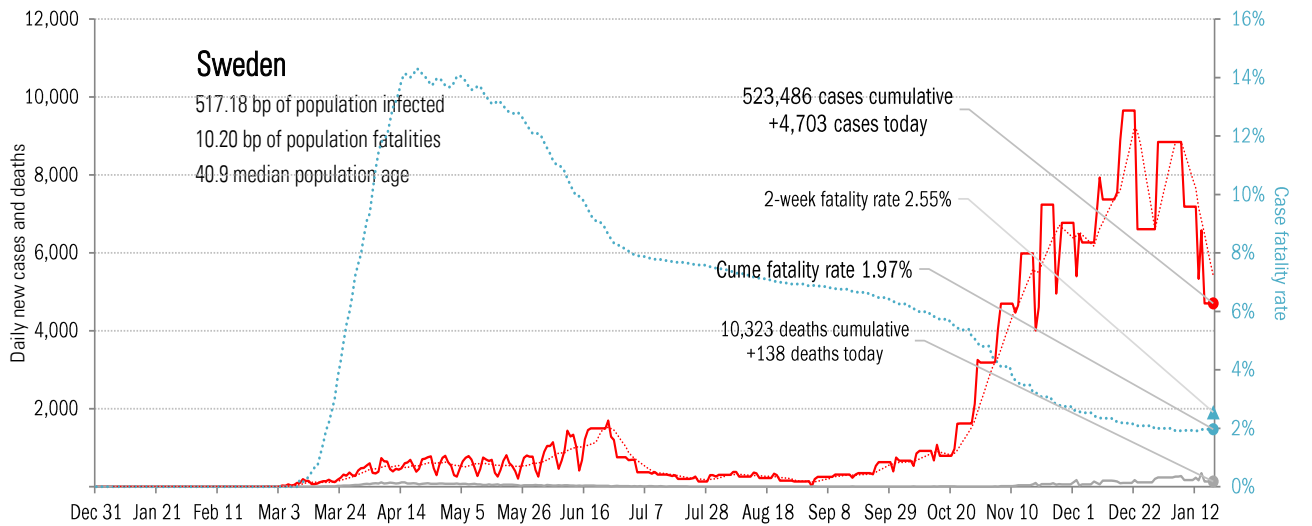
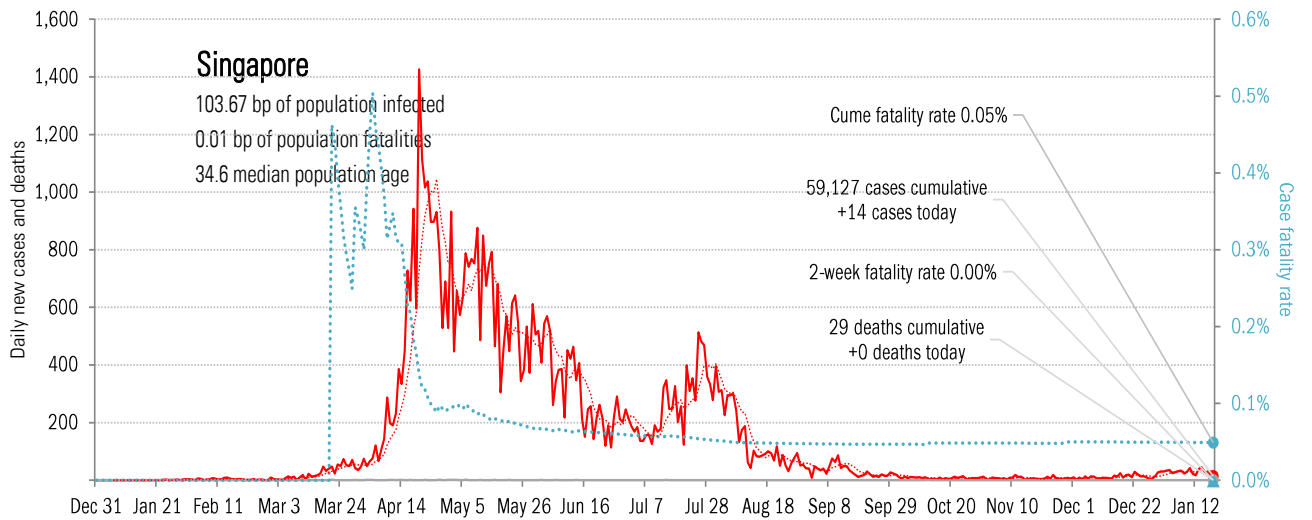
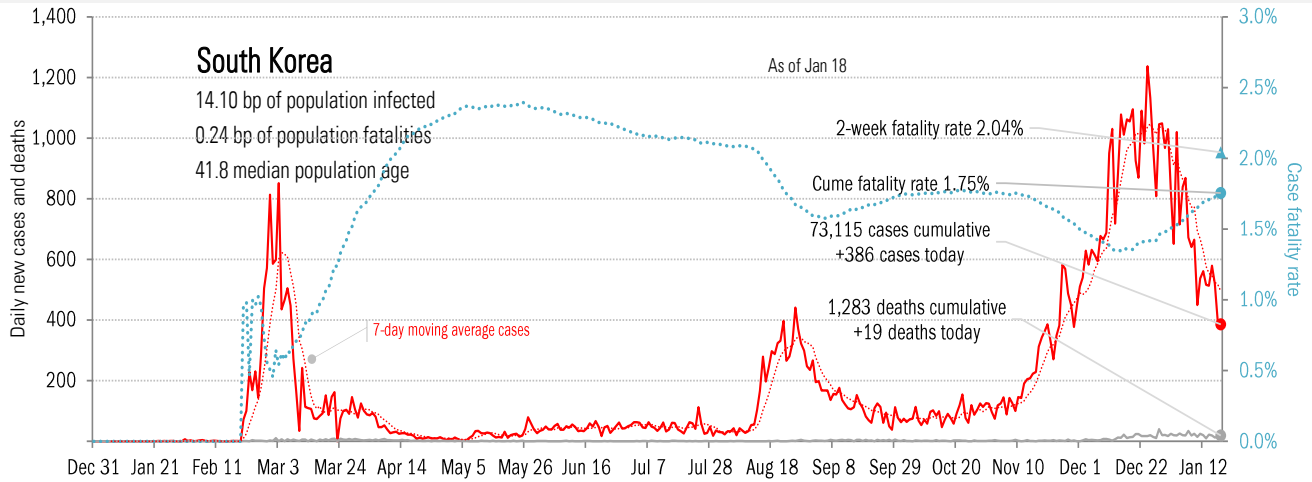
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



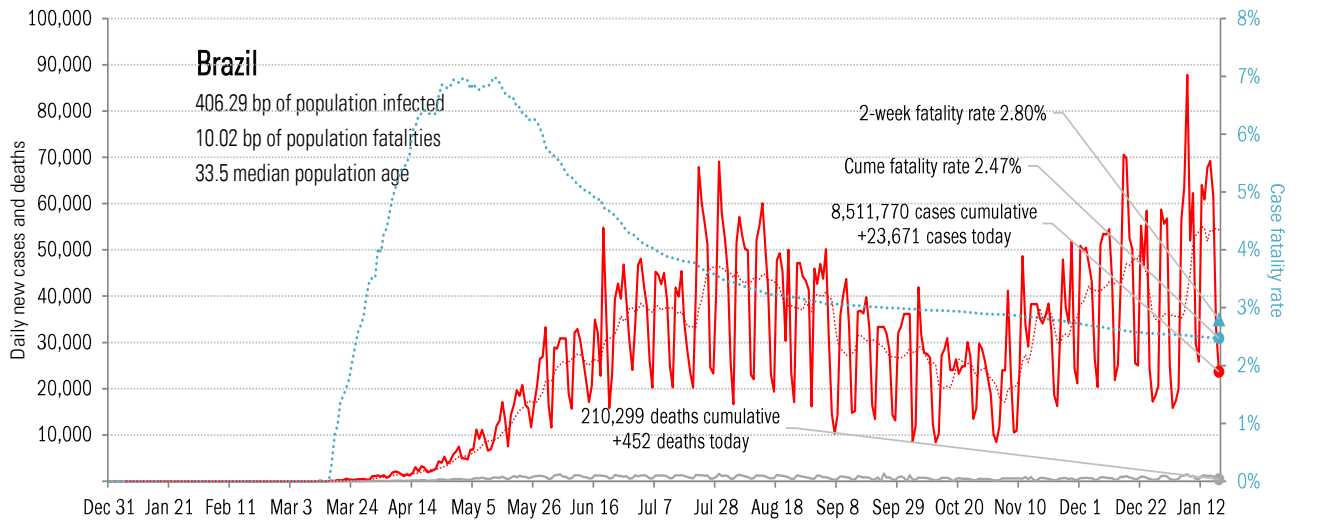
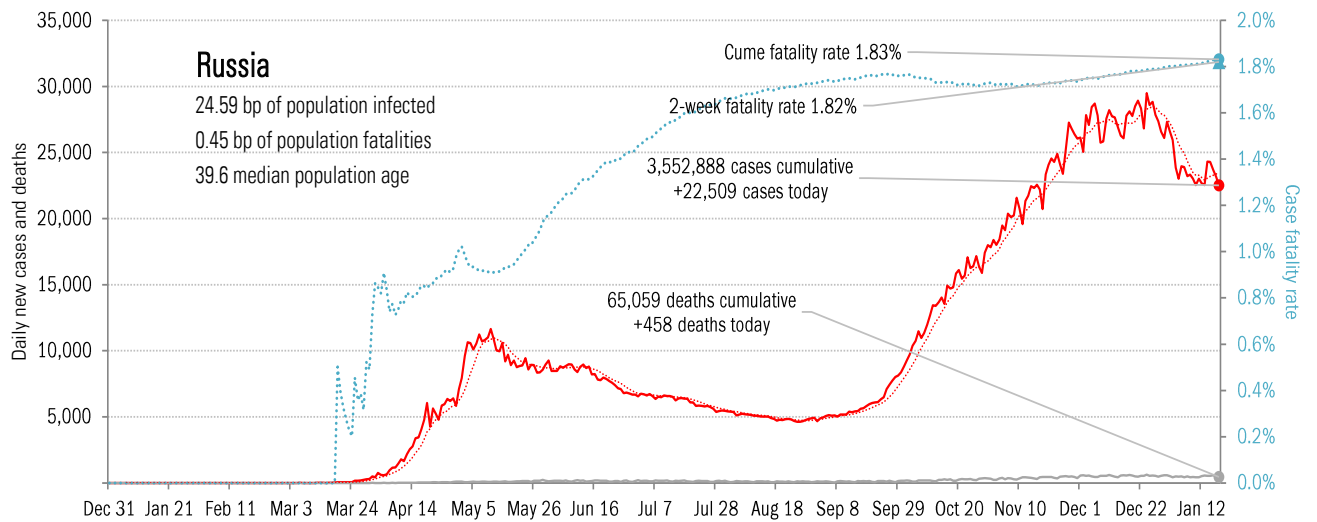
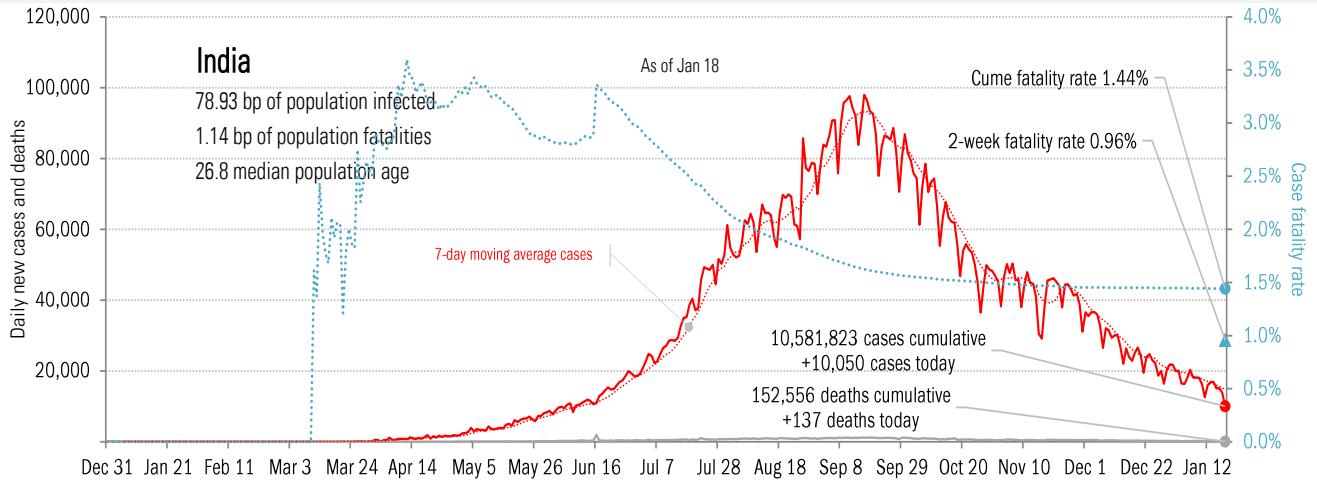
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



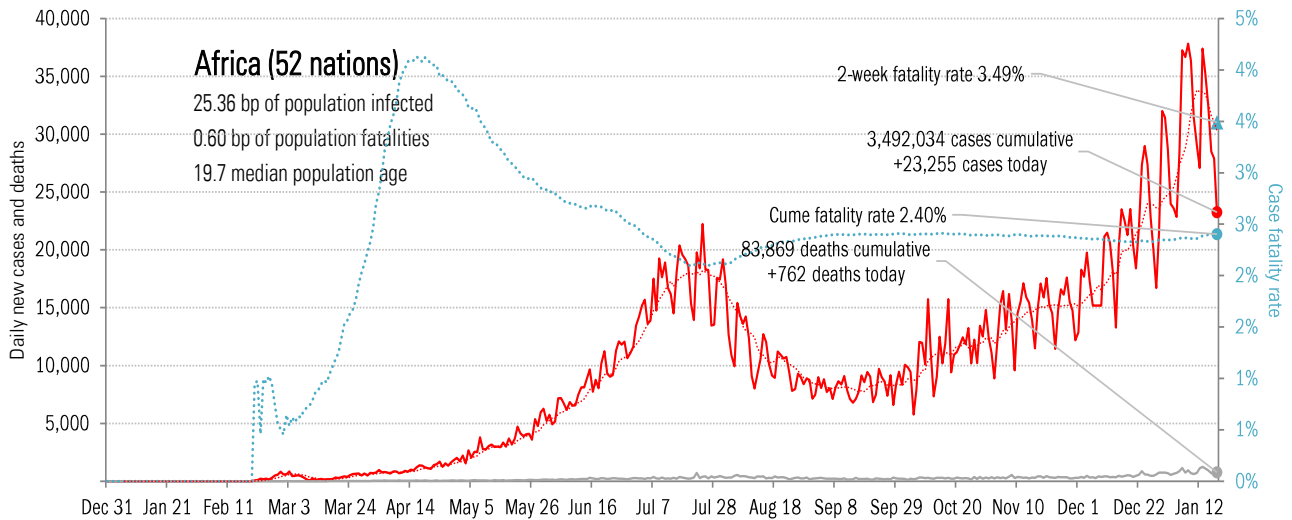
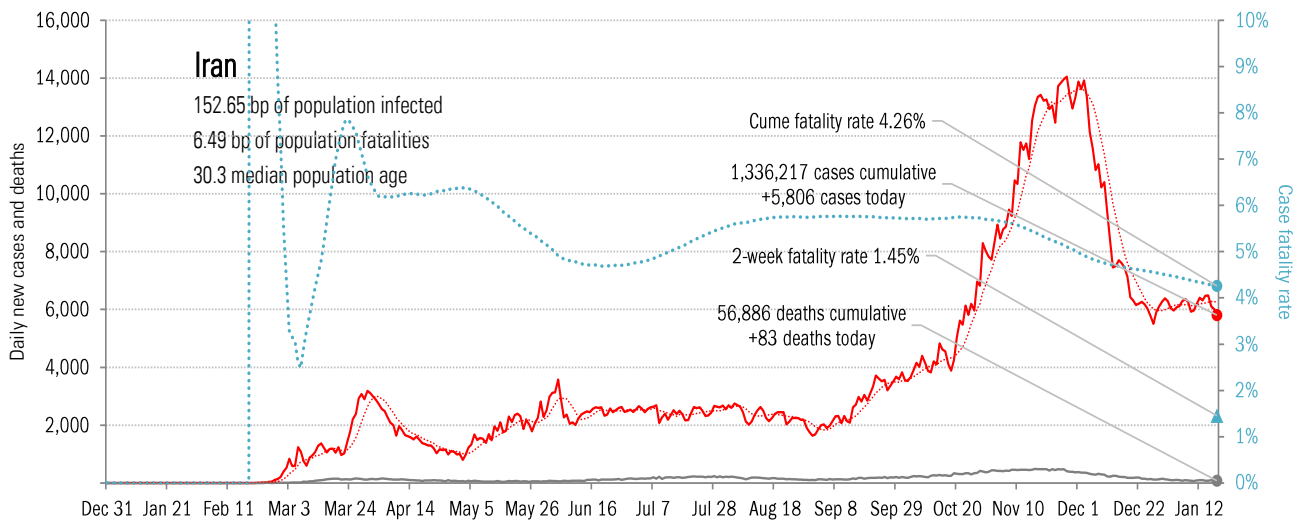
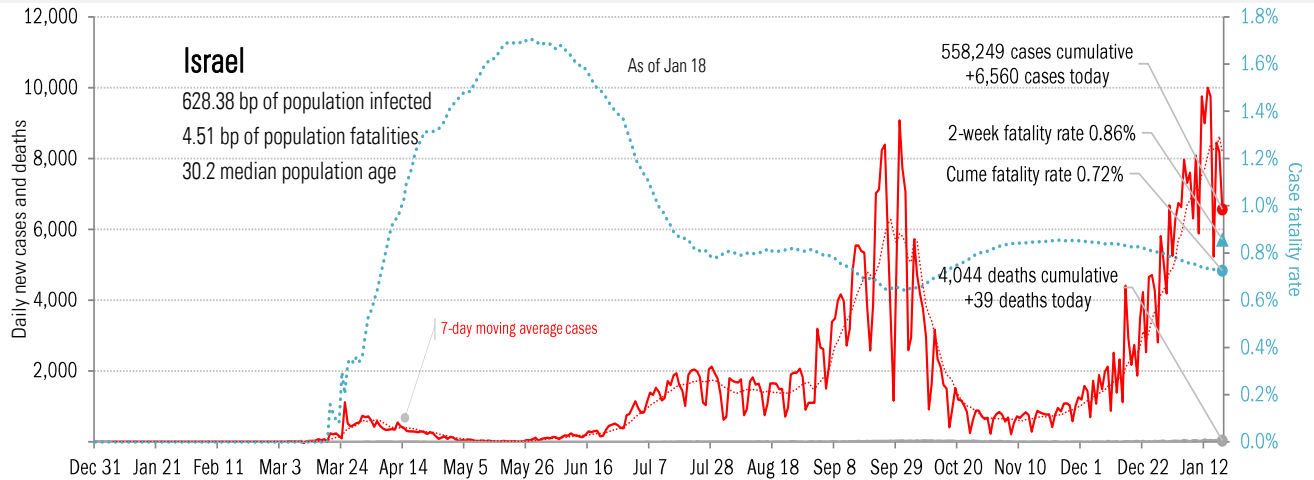
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



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

Impact in the Middle East and Africa



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