

Data Insights: Covid-2019 Monitor

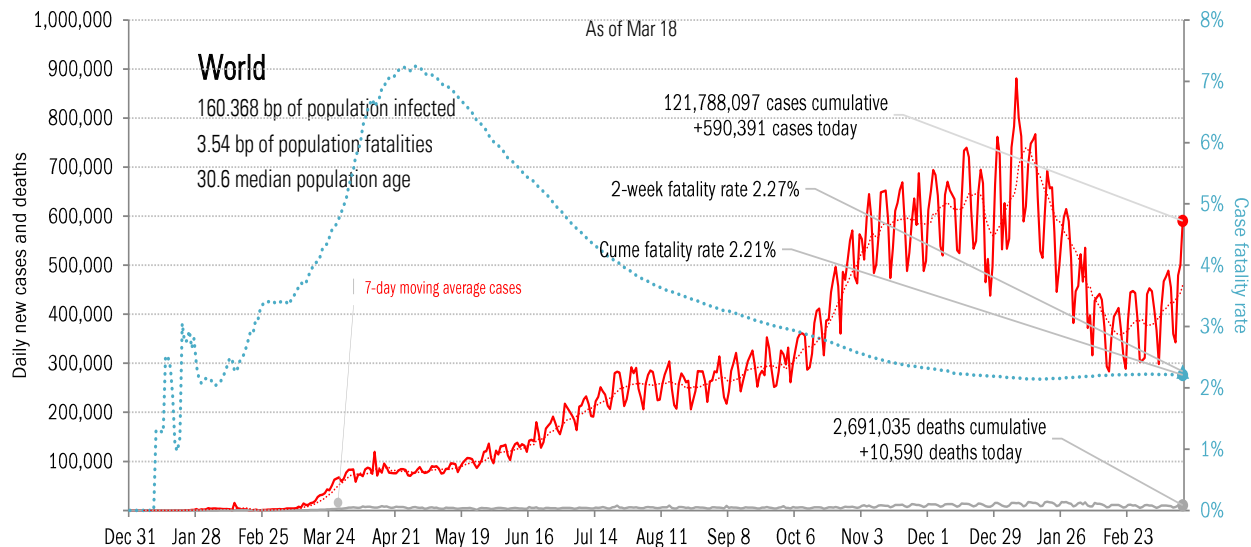
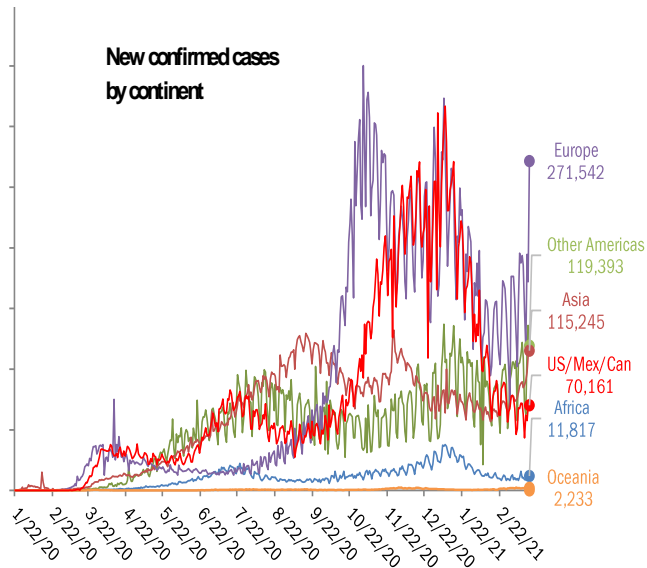
Friday, March 19, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+86,982	Brazil	+2,724
France	+72,699	United States	+1,611
United States	+59,822	Mexico	+698
India	+39,726	France	+493
Germany	+28,489	Russia	+451
Poland	+27,274	Italy	+423
Italy	+24,901	Germany	+359
Turkey	+20,049	Poland	+356
Ukraine	+15,143	Ukraine	+276
Czechia	+12,028	Indonesia	+227
+387,113		+7,618	
World	+590,391	World	+10,590
Top ten	66%	Top ten	72%

New confirmed cases by continent



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

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

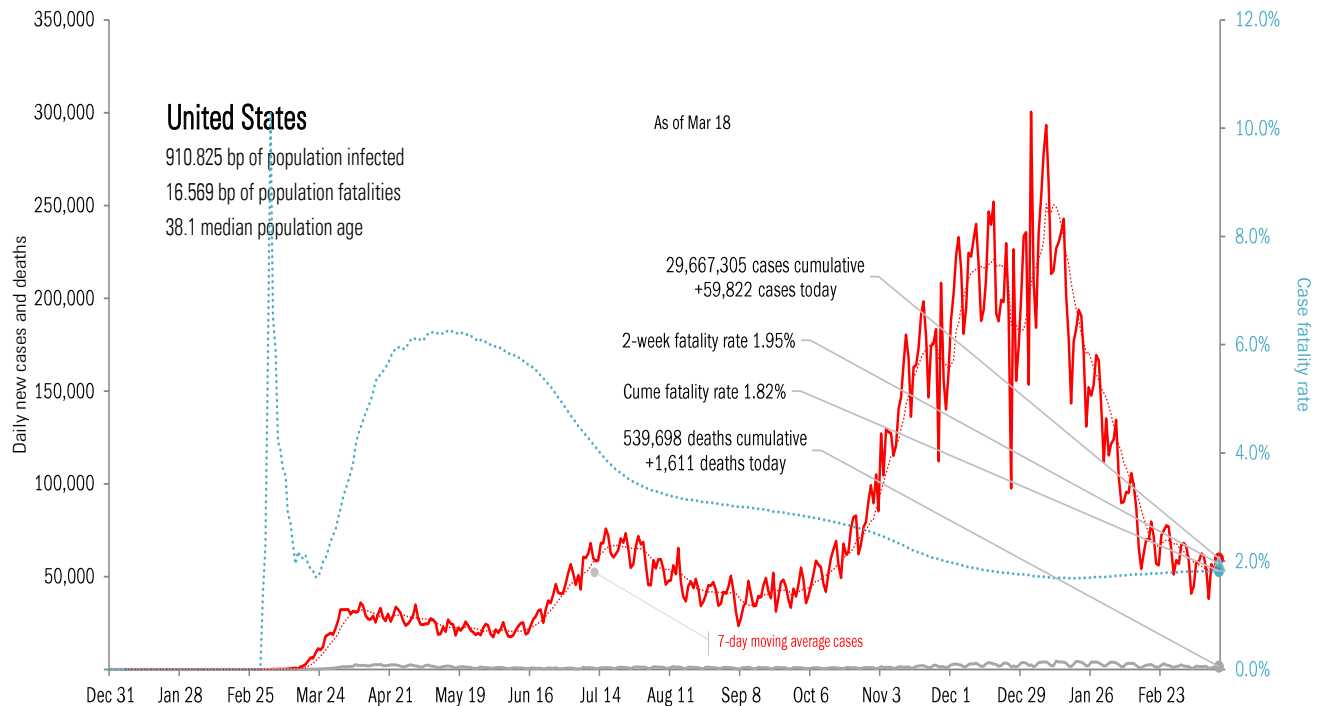
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	+5,515		KY	+448		GA	+78		CA	3,634,807		CA	57,200		TX	219,466		R	94%	NY	19%
FL	+5,093		CA	+213		NY	+61		TX	2,745,694		NY	49,262		CA	217,410		MA	81%	GA	18%
NJ	+4,461		TX	+198		CH	+49		FL	1,994,117		TX	47,025		FL	144,600		MD	80%	TX	18%
CA	+3,487		FL	+94		MD	+26		NY	1,767,290		FL	32,598		NY	105,962		CT	79%	MD	18%
TX	+3,420		NY	+91		PA	+26		IL	1,215,992		PA	24,722		GA	91,343		MO	78%	MS	14%
PA	+3,196		GA	+61		MN	+23		GA	1,040,817		NJ	24,076		CH	72,996		SC	78%	CA	14%
MI	+3,119		AZ	+59		NJ	+19		CH	995,785		IL	23,287		PA	69,826		PA	78%	DC	13%
IL	+2,324		MI	+34		TN	+19		PA	979,638		GA	18,420		KY	66,137		GA	78%	FL	13%
GA	+2,267		IL	+32		MI	+18		NC	891,314		CH	17,991		IL	65,862		FL	78%	RI	13%
CH	+2,104		NJ	+31		WI	+11		NJ	853,188		MI	16,843		AZ	57,125		DC	78%	MA	13%
+34,996			+1,261			+330			16,118,642			311,424			1,110,727						
All states	+59,822			+1,611			+101		All states	29,667,305			539,698			1,975,822		All states	70%		67%
Top ten	58%			78%			327%		Top ten	54%			58%			56%		Median	71%		9%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TN	-1,165	NJ	-48	TX	-63	NE	+53 bp
TX	-1,091	SC	-47	IN	-30	SD	+53 bp
NY	-1,067	VA	-22	NM	-27	ID	+50 bp
MI	-666	MA	-17	KY	-21	NM	+50 bp
KS	-600	PA	-14	FL	-20	RI	+45 bp

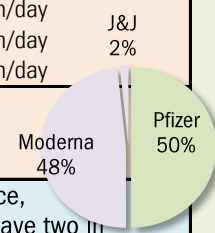


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Over last day	Share pop full immunization
158.58 million doses distributed	+3.72 million/day	United States 12.3%
120.95 million doses administered	+2.80 million/day	United Kingdom 2.8%
78.47 million persons partially immunized	+1.88 million/day	France 3.4%
42.85 million persons fully immunized	+1.04 million/day	Spain 4.0%
7.61 million shots long-term care residents/staff	+0.03 million/day	Germany 3.7%

76.3% of distributed doses administered
23.5% of US pop partial **12.8% full immunity**
100% of LTC partial **61.7% full immunity**



Country	Share pop full immunization
United States	12.3%
United Kingdom	2.8%
France	3.4%
Spain	4.0%
Germany	3.7%
Italy	3.8%
Australia	0.4%
Israel	51.8%
Canada	1.6%
Japan	0.0%
Africa	0.2%
India	0.5%
Brazil	1.6%

At today's dosing pace,
 every American will have two in
191 days
 by Sep 25, 2021
 US will achieve herd immunity in
76 days
 by Jun 2, 2021

State	Rank
Doses distributed as % population	Best
Partial immunity as % population	Middle
Full immunity as % population	Worst

AK
69.6%
29.2%
18.9%

ME
49.6%
26.5%
14.4%

WI
43.8%
24.1%
13.8%

VT
52.8%
26.1%
13.8%

NH
45.7%
26.0%
12.3%

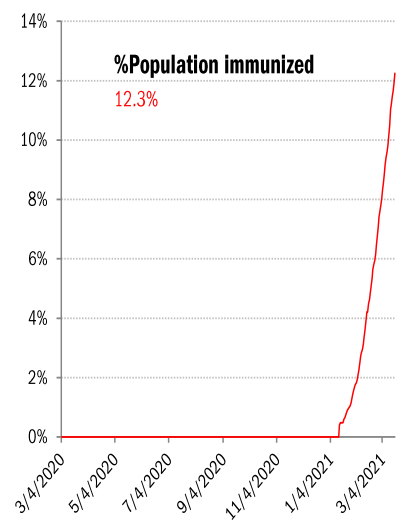
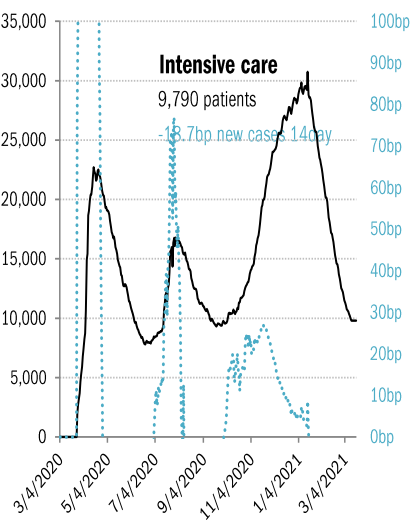
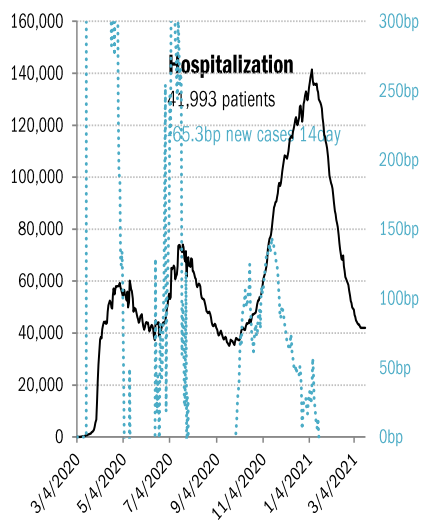
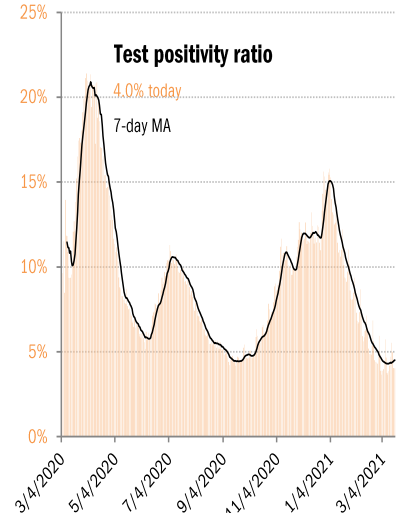
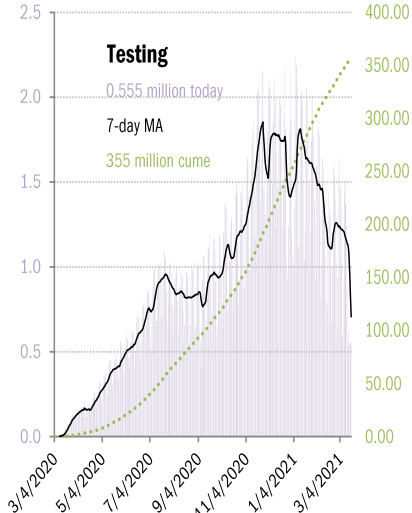
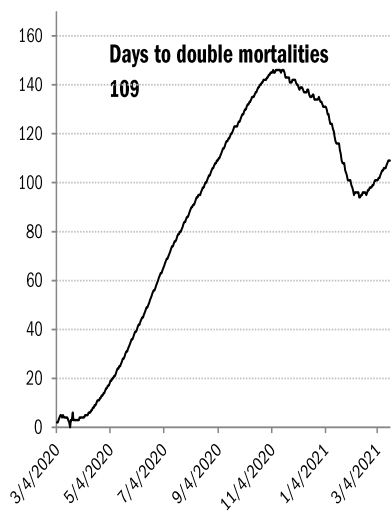
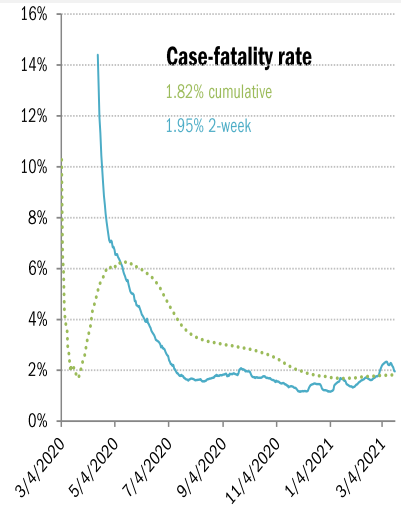
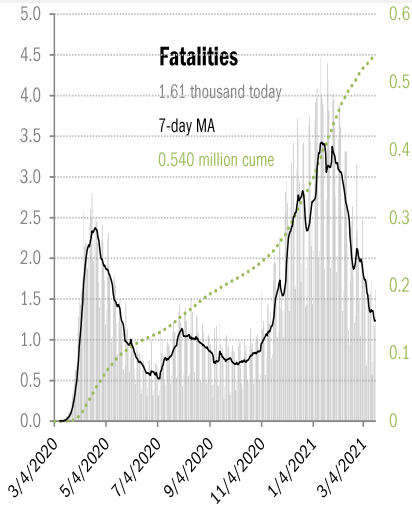
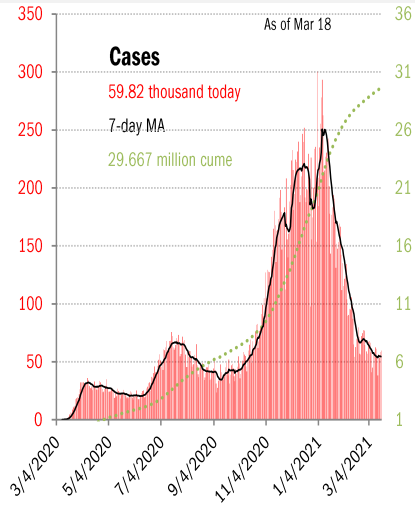
WA	ID	MT	ND	MN	IL	MI	NY	MA		
45.6%	41.2%	49.7%	50.6%	44.8%	45.3%	43.9%	47.5%	47.4%		
23.3%	20.1%	24.6%	26.7%	24.8%	23.5%	22.2%	23.6%	26.8%		
13.3%	12.6%	14.7%	15.4%	13.8%	12.9%	12.5%	11.6%	14.1%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
44.4%	43.0%	51.9%	56.9%	45.3%	42.5%	45.8%	46.5%	45.7%	51.1%	47.6%
21.8%	21.8%	22.5%	28.5%	24.5%	20.4%	22.0%	24.1%	26.0%	27.9%	27.4%
12.6%	12.3%	14.2%	16.5%	14.0%	13.3%	12.9%	12.3%	13.5%	15.2%	12.1%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
45.6%	40.5%	45.9%	46.3%	43.5%	44.8%	49.1%	43.2%	46.2%	48.7%	
23.0%	20.3%	22.3%	24.1%	20.7%	24.6%	24.3%	23.6%	23.6%	23.2%	
11.4%	8.9%	13.3%	14.3%	11.1%	12.8%	15.0%	13.3%	13.2%	12.9%	
AZ	NM	KS	AR	TN	NC	SC	DC			
45.7%	54.2%	47.7%	45.0%	43.7%	44.9%	42.3%	60.7%			
23.6%	30.6%	22.6%	20.4%	19.5%	22.9%	21.2%	19.3%			
13.5%	18.1%	12.0%	10.8%	10.3%	12.9%	11.8%	9.9%			
OK	LA	MS	AL	GA						
55.6%	45.1%	46.0%	43.2%	41.5%						
25.3%	20.7%	20.7%	18.6%	16.7%						
13.7%	12.1%	11.5%	10.9%	10.2%						
HI	TX	FL	PR							
53.4%	42.3%	47.7%	47.8%							
25.4%	20.4%	21.7%	16.2%							
15.5%	10.3%	12.2%	9.5%							

As of Mar 18

Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

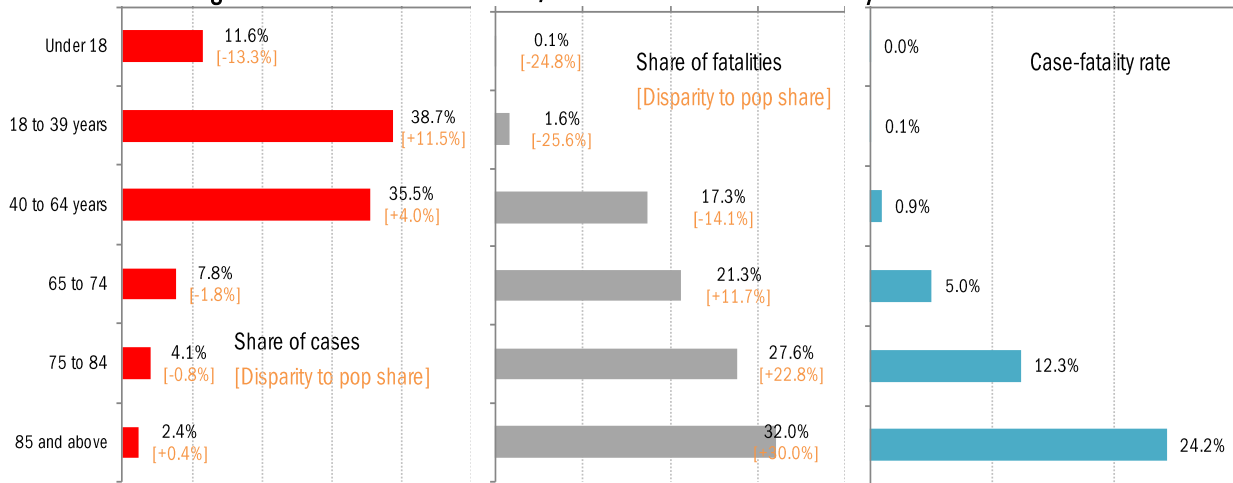
National and state-by-state data do not line up because of different sources



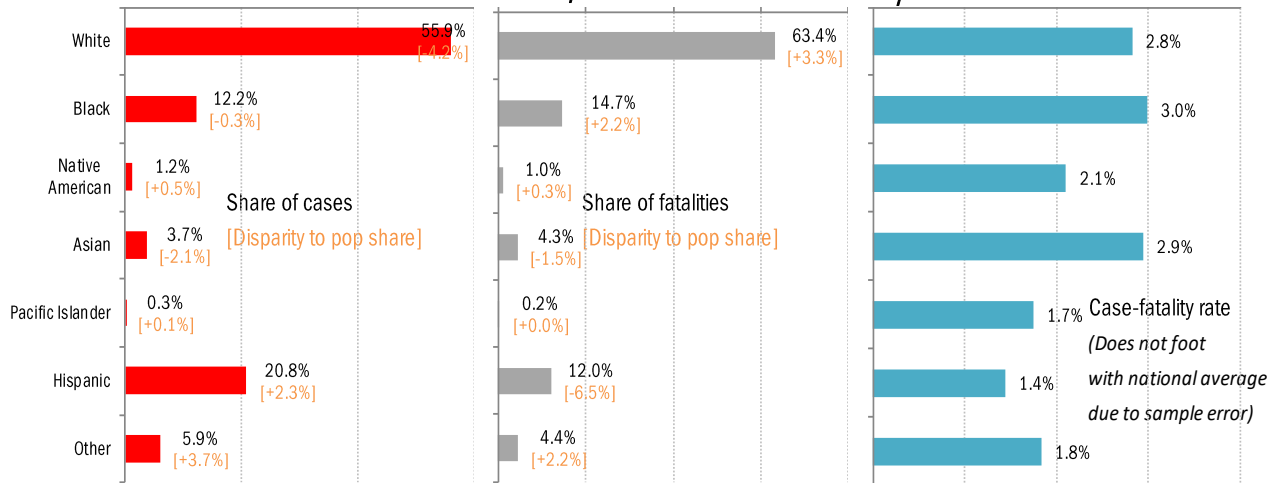
Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

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

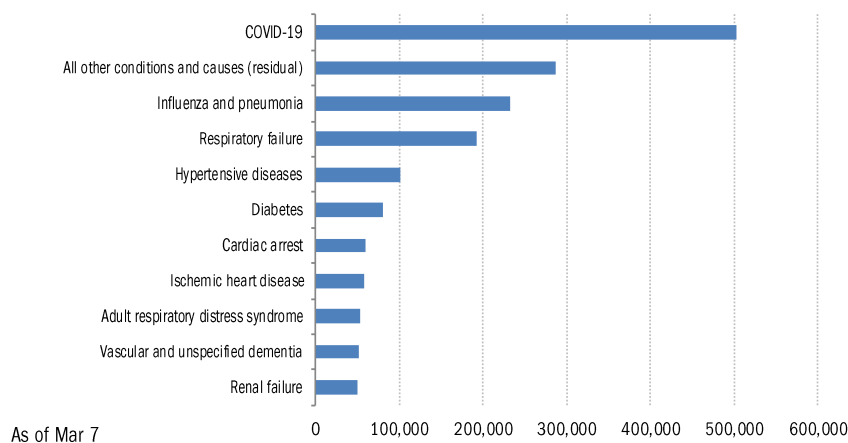


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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 3.8 additional conditions or causes per death.

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

Recommended reading

[U.S. to Send Millions of Vaccine Doses to Mexico and Canada](#)

Natalie Kitroeff, Maria Abi-Habib, Zolan Kanno-Youngs and Jim Tankersley
New York Times
March 18, 2021

[Gov. Inslee signs emergency order requiring schools to offer hybrid in-person learning](#)

Keith Eldridge
KOMO
March 16, 2021

[Jersey leads the world - in COVID deaths: Time for a probe into where Murphy went wrong](#)

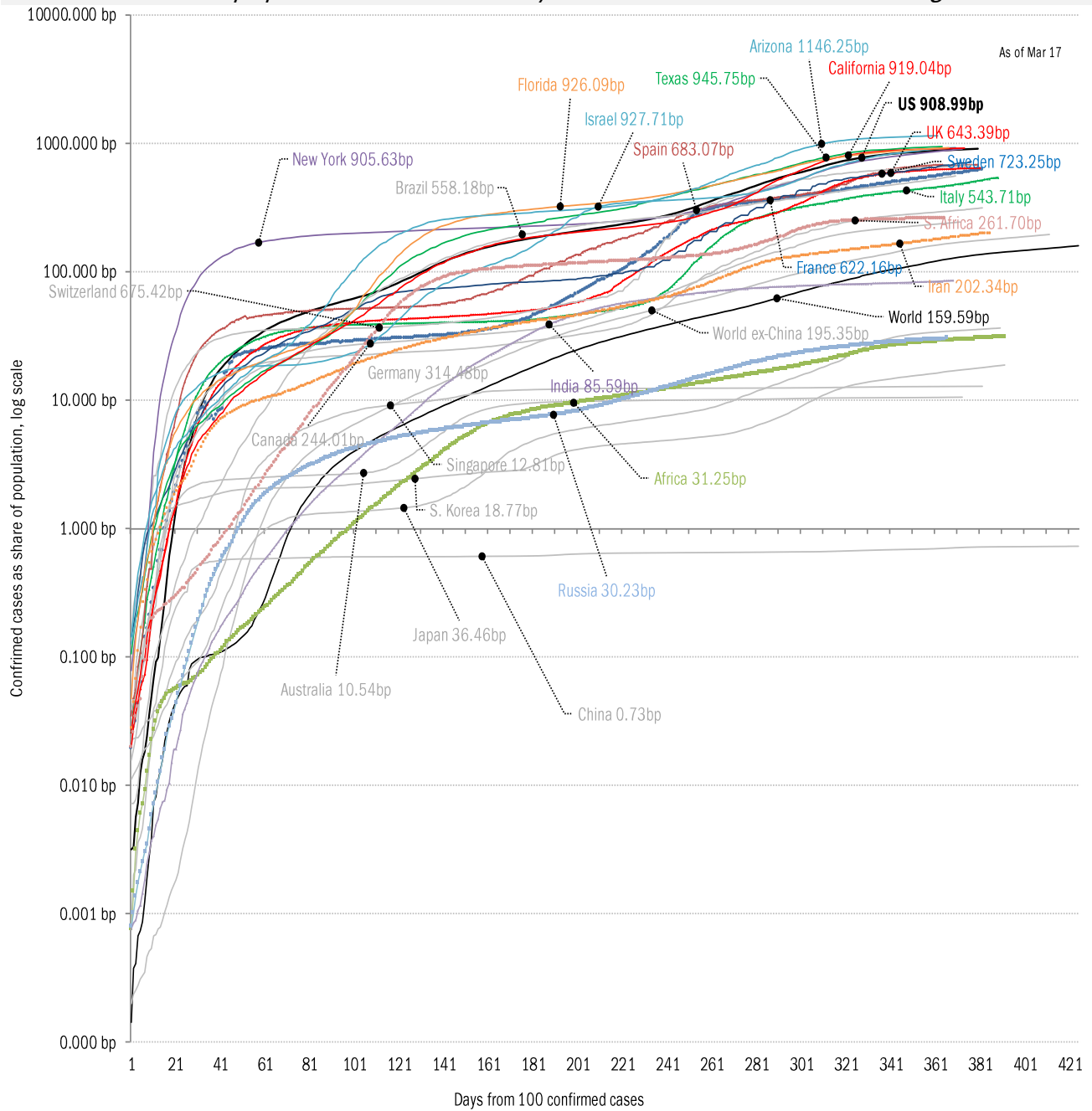
Paul Mulshine
NJ.com
March 11, 2021

Meme of day



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

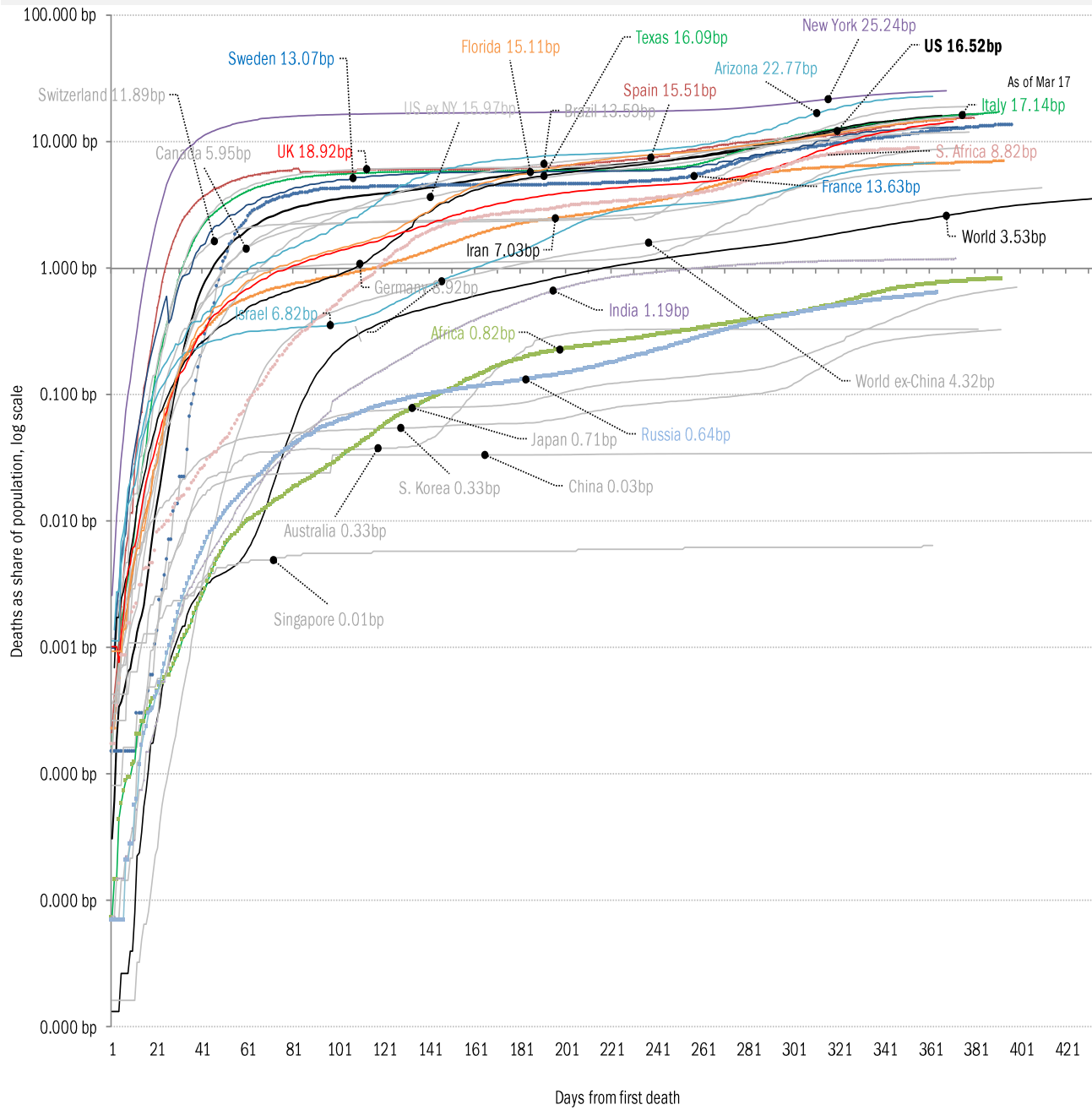
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

The coronavirus mortality accelerometer ... tracking the world's fatality curves

Share of deceased population from day of first fatality



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

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

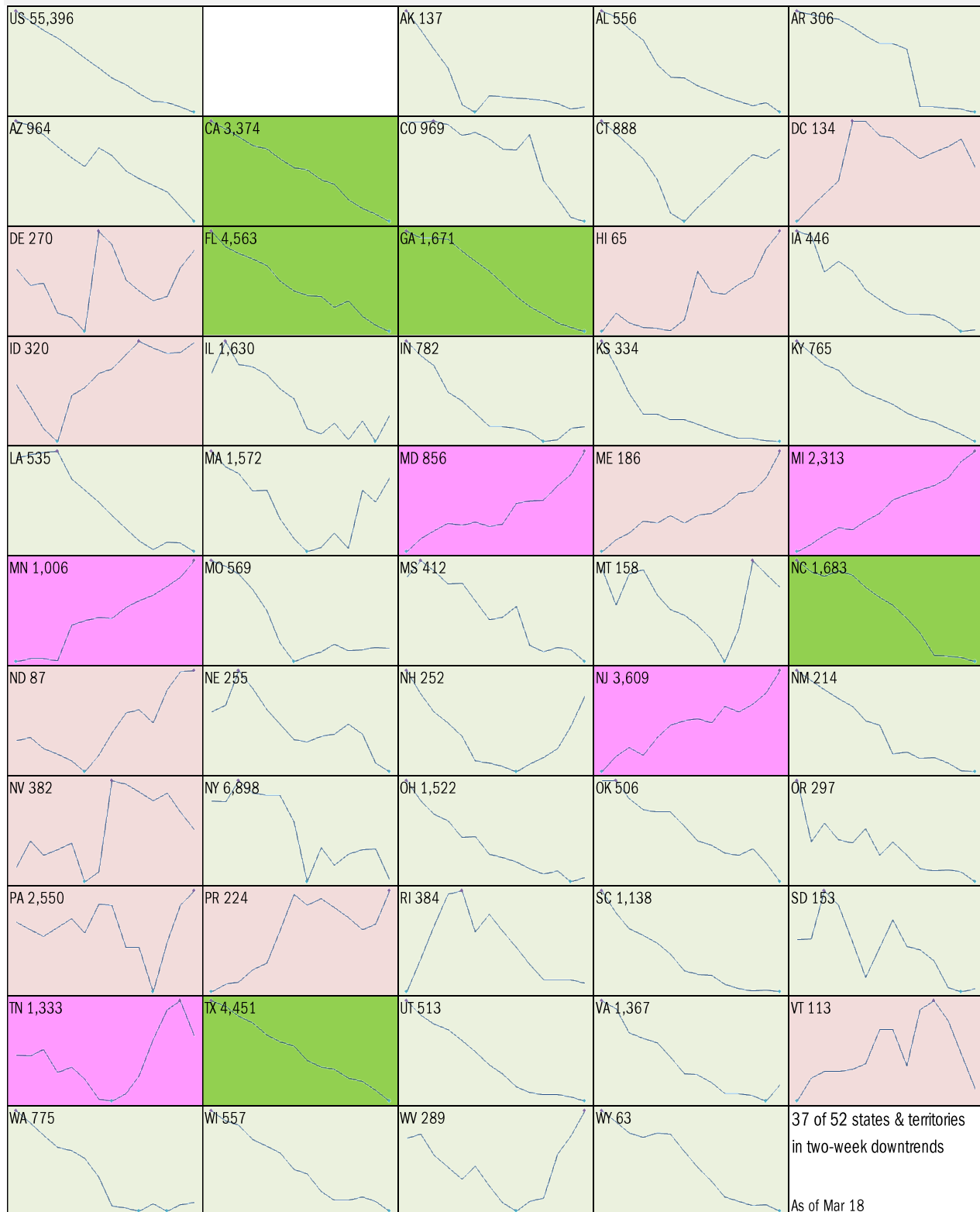
Vertical: days to double deaths Horizontal: days from first death

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



Source: [Johns Hopkins](#), 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

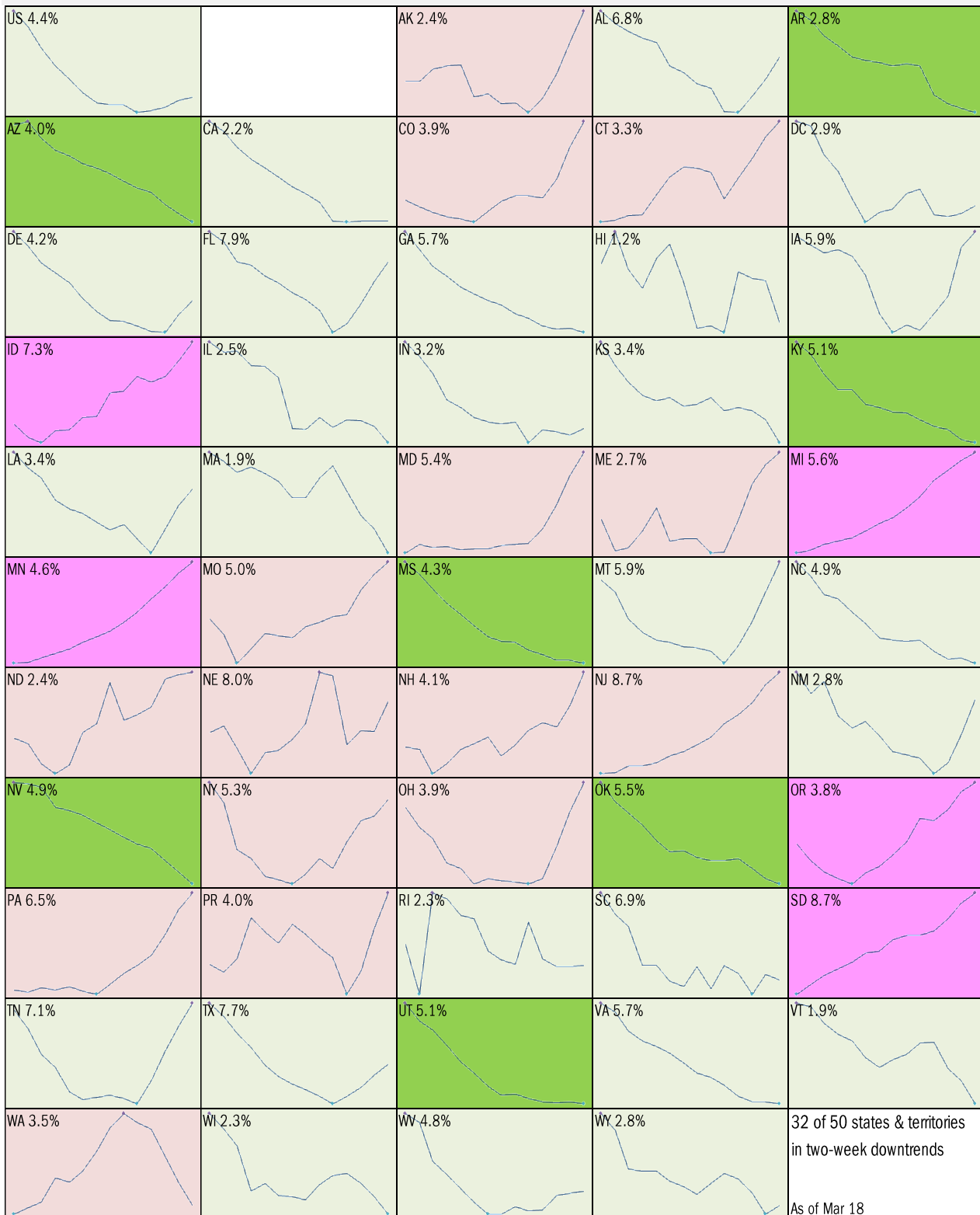


Source: [Johns Hopkins](#), TrendMacro calculations

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

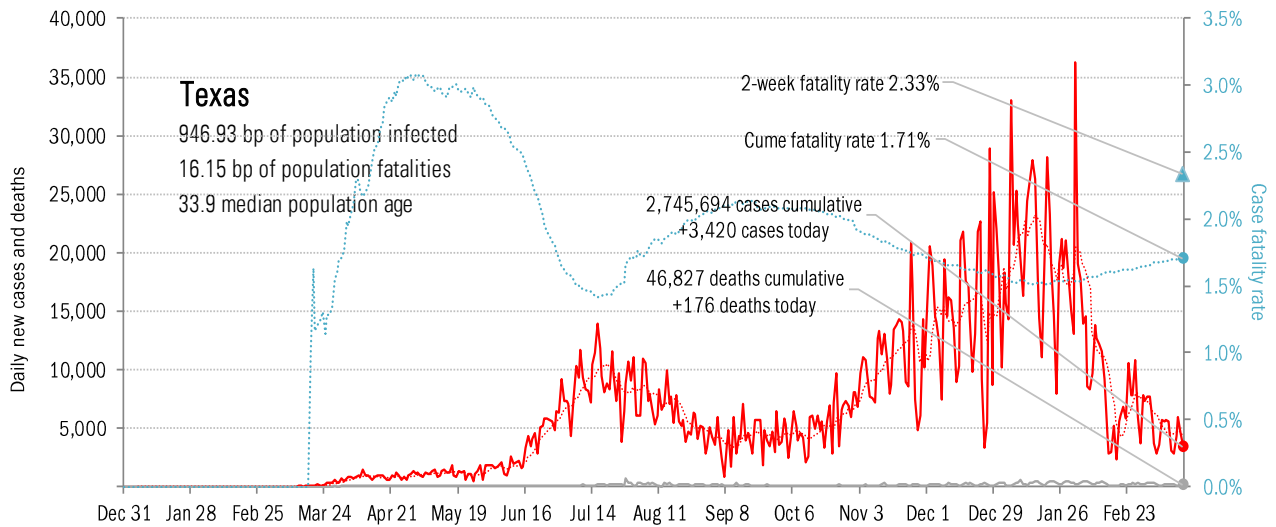
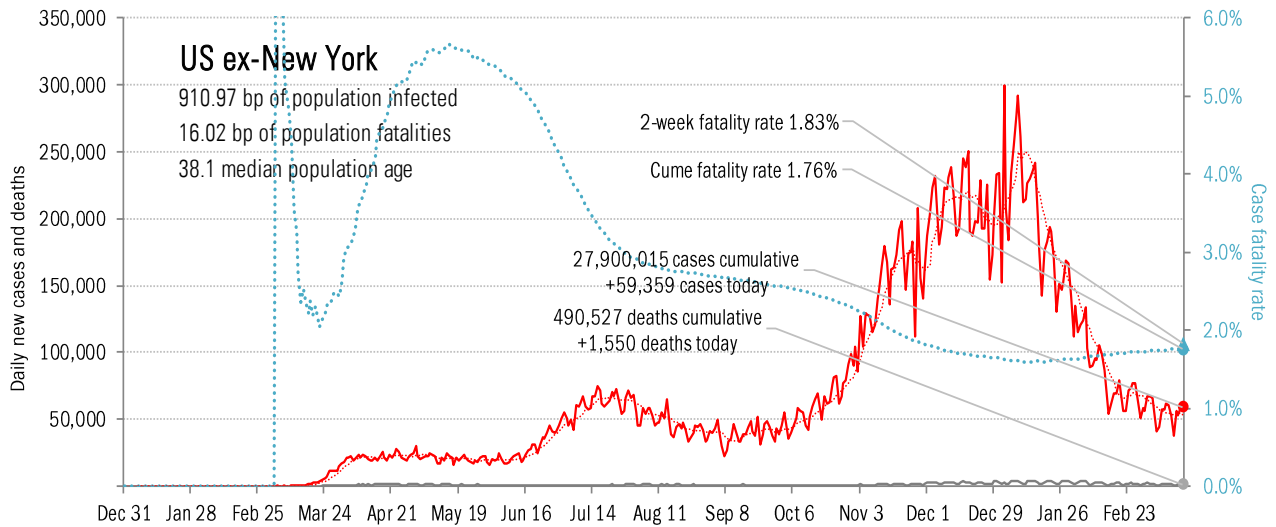
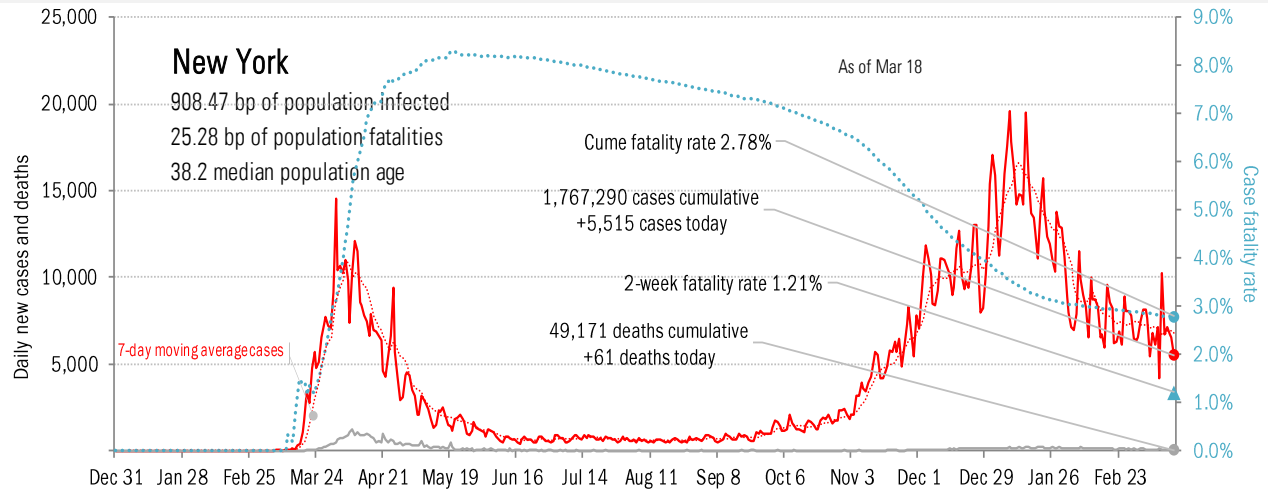
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



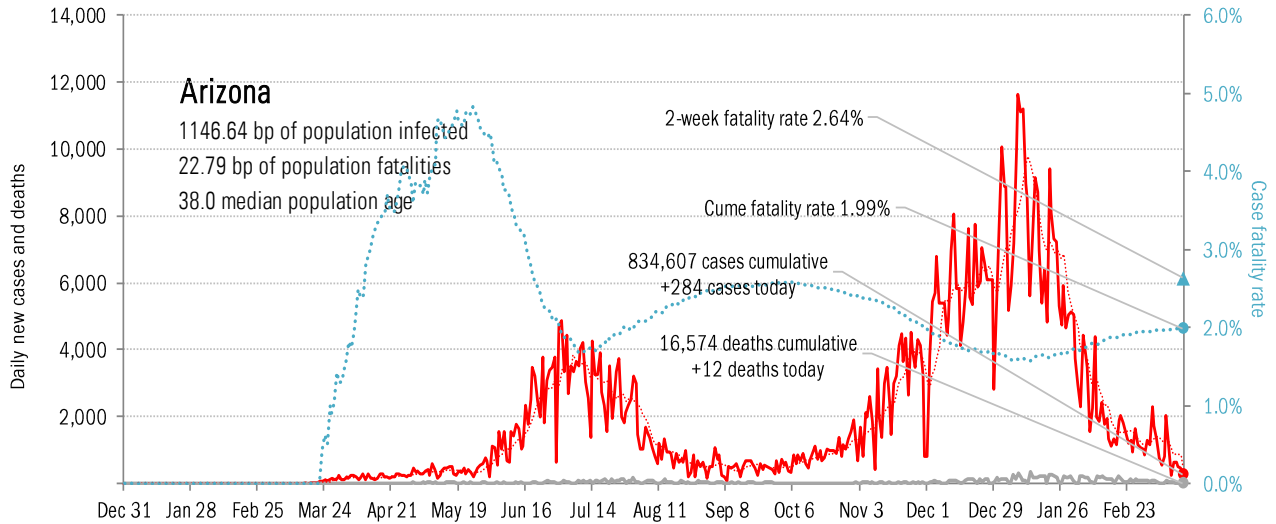
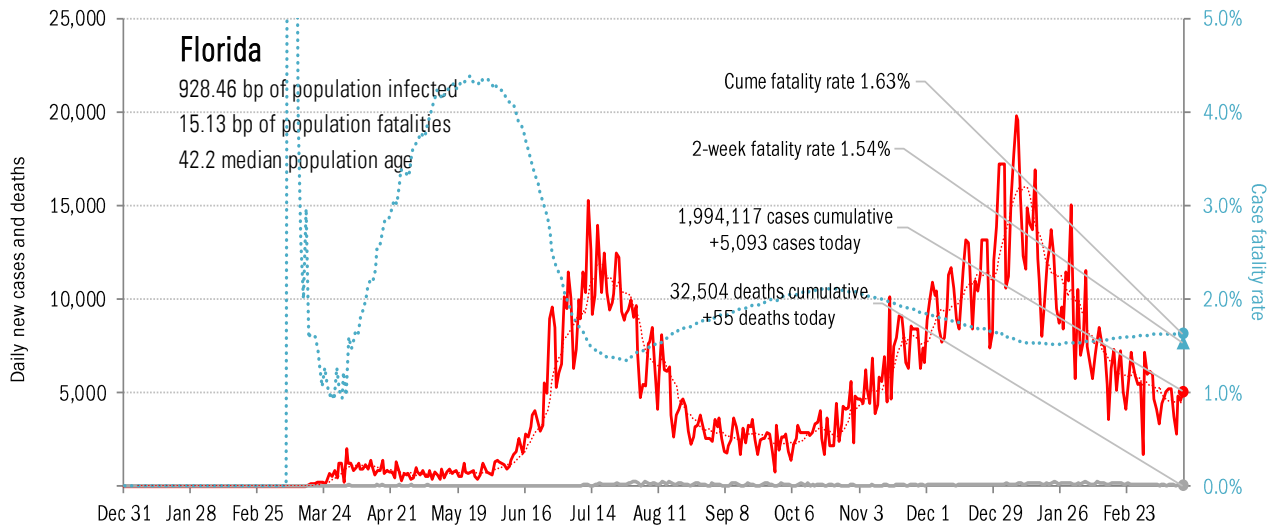
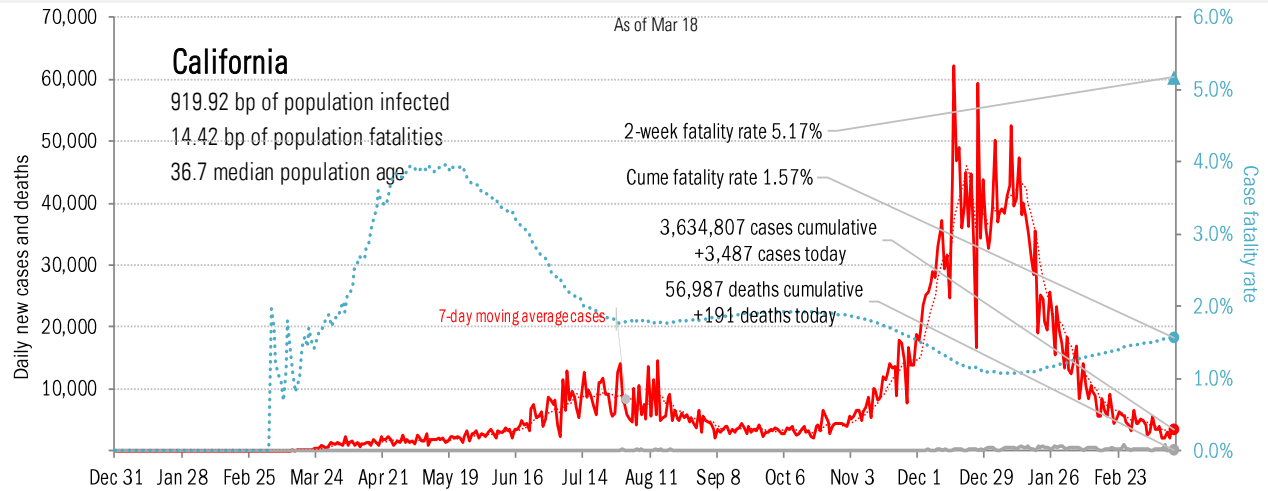
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



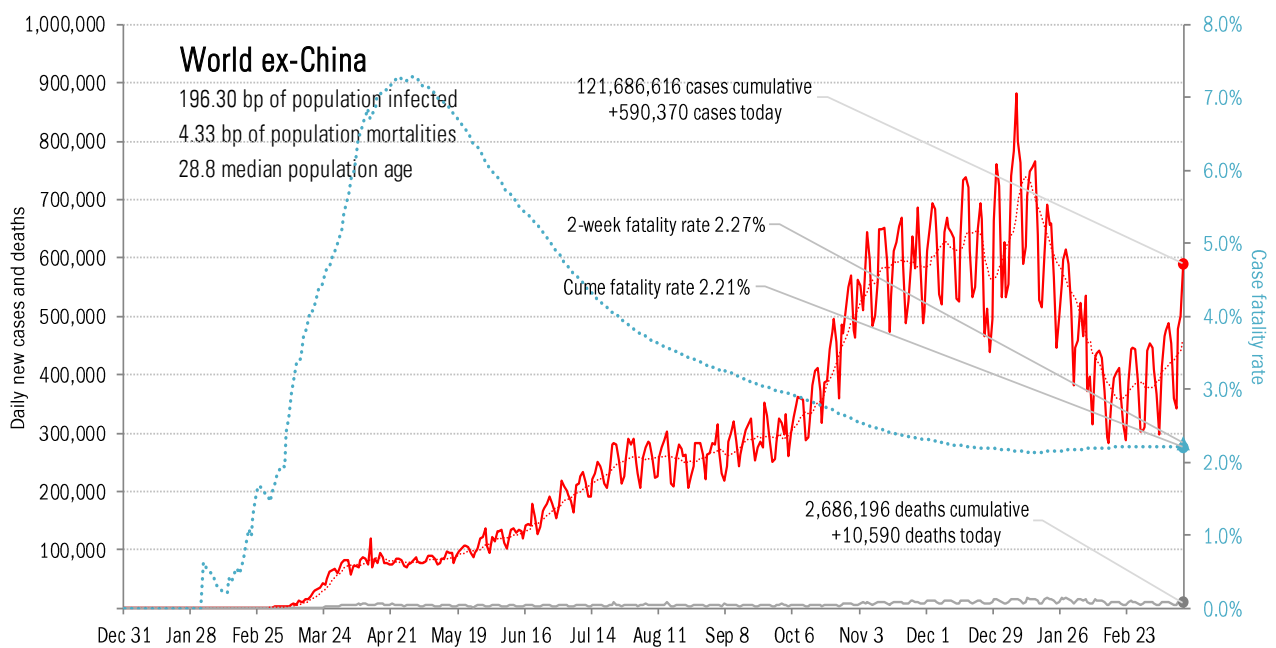
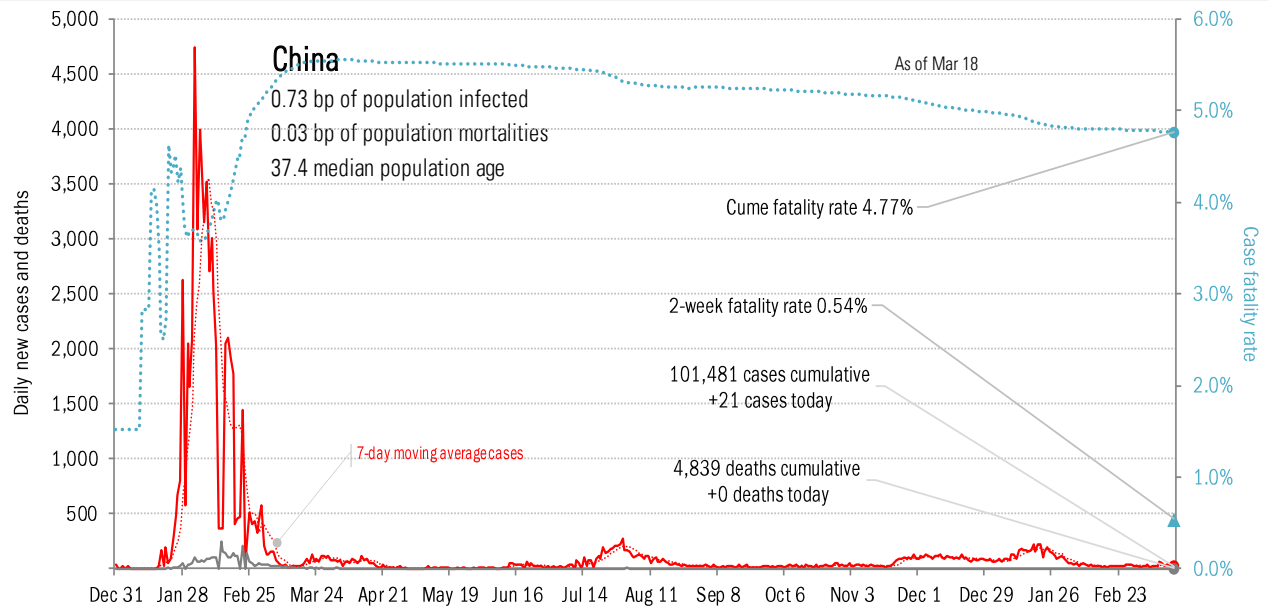
Source: [Johns Hopkins](#), TrendMacro calculations

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



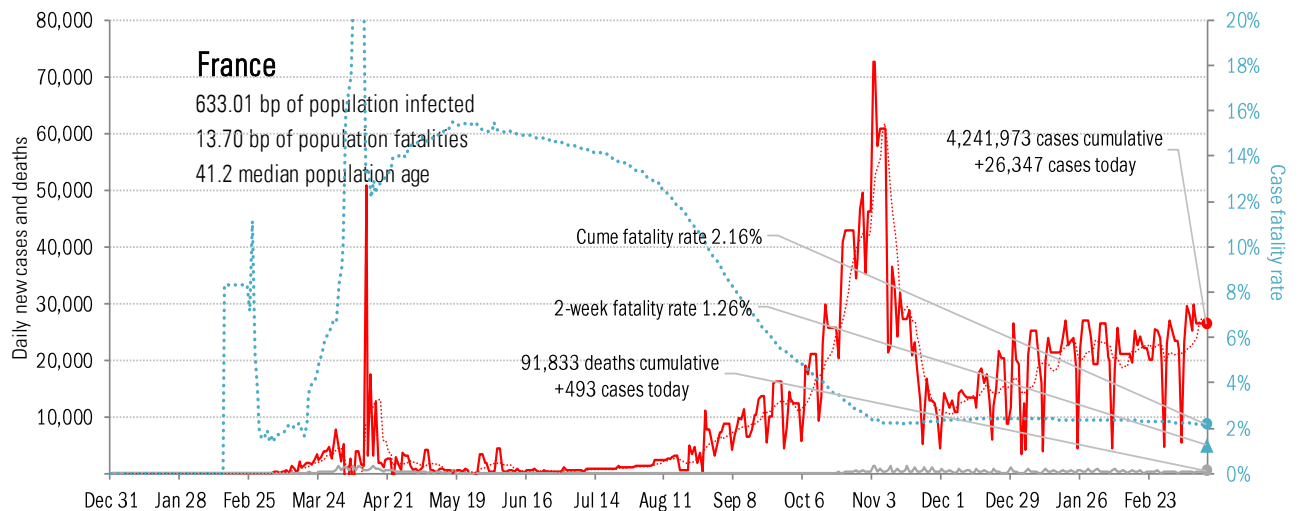
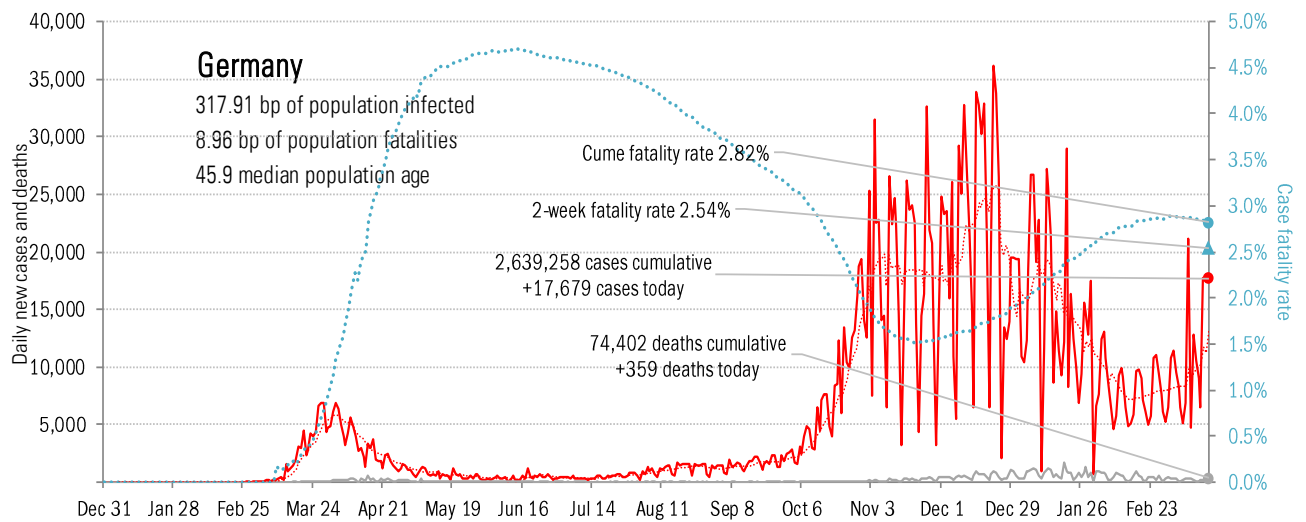
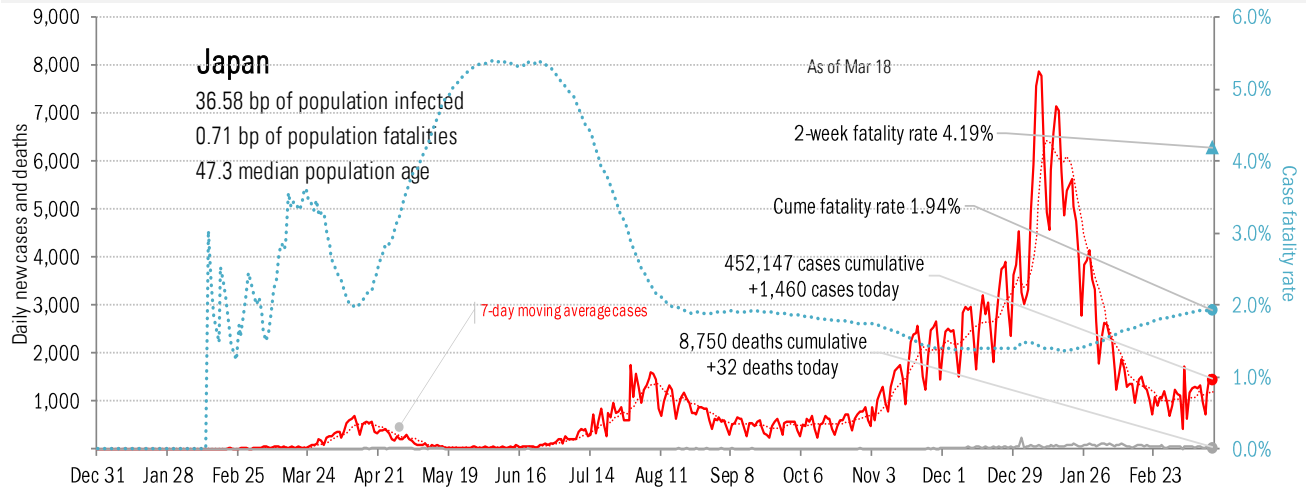
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



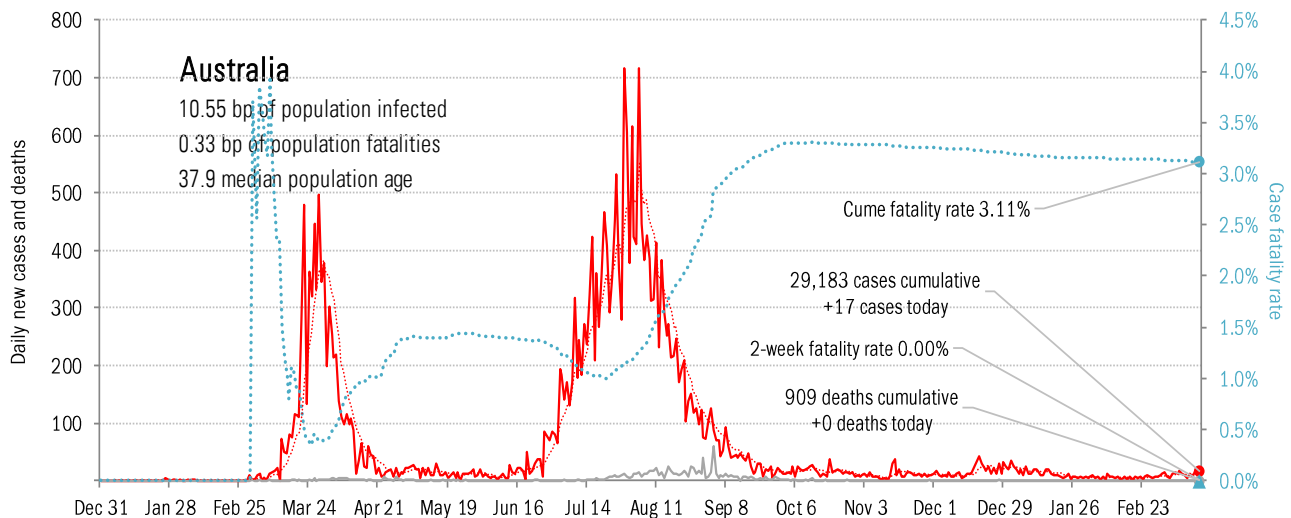
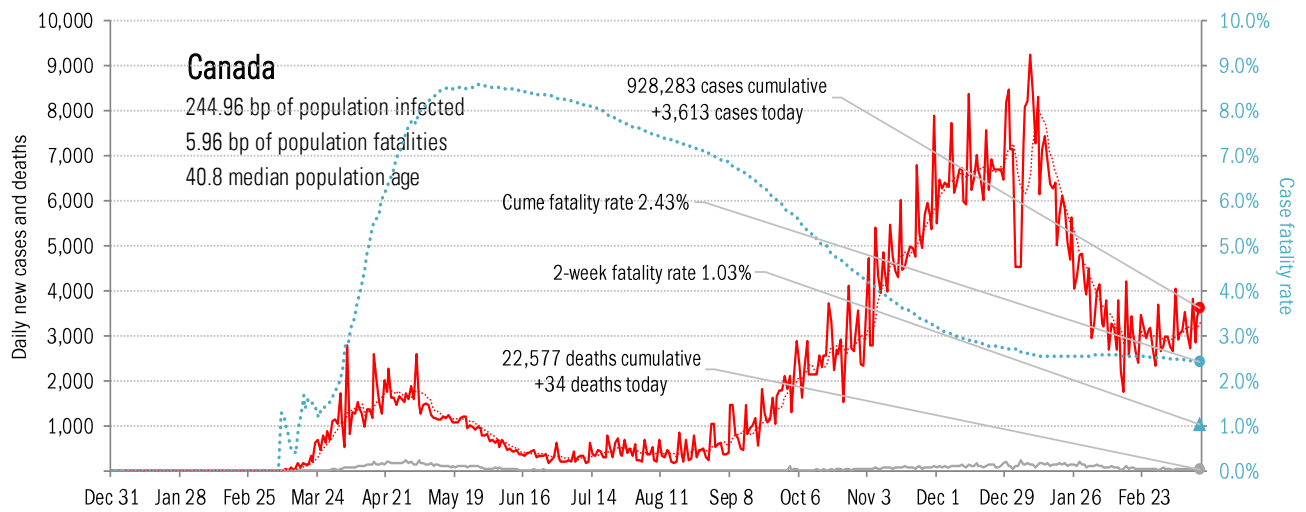
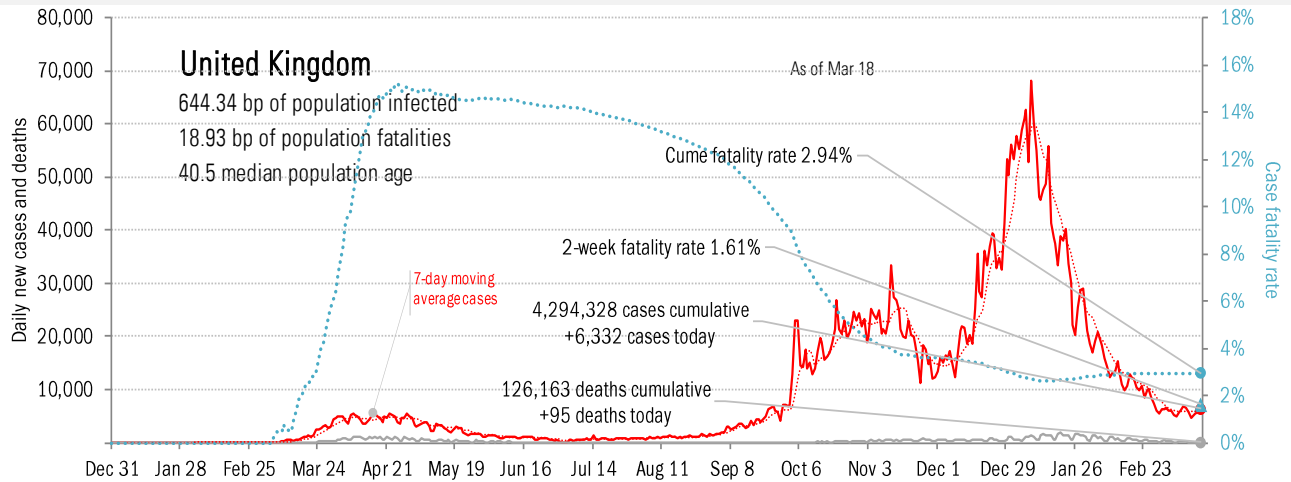
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



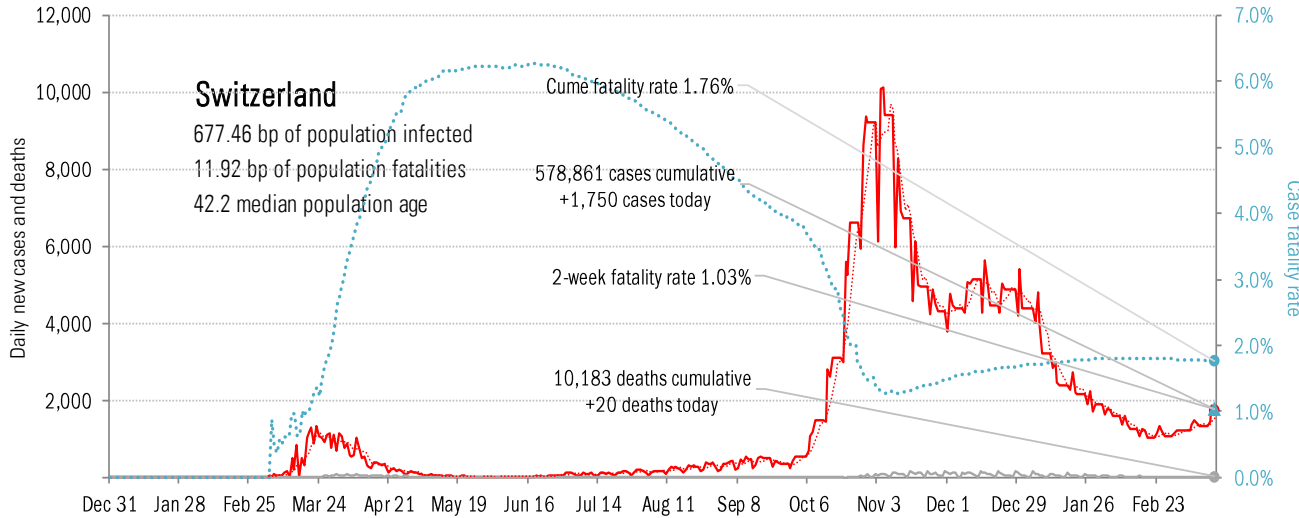
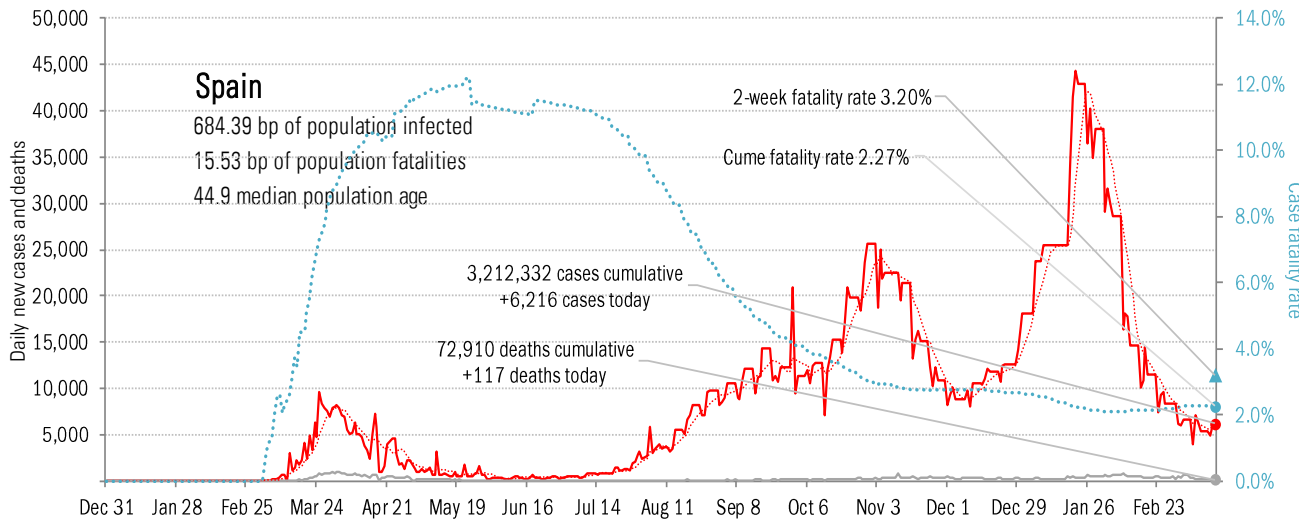
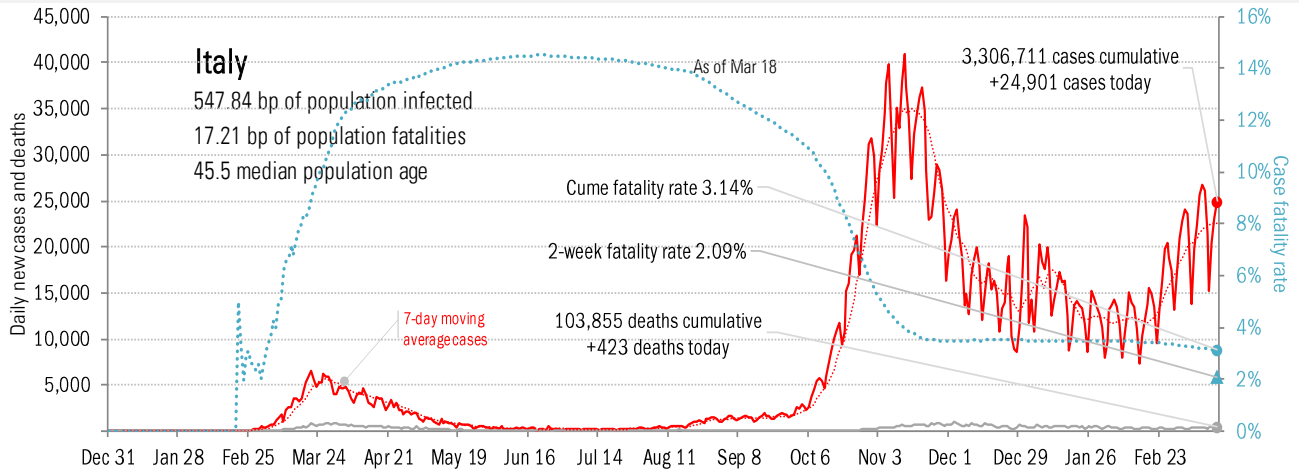
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



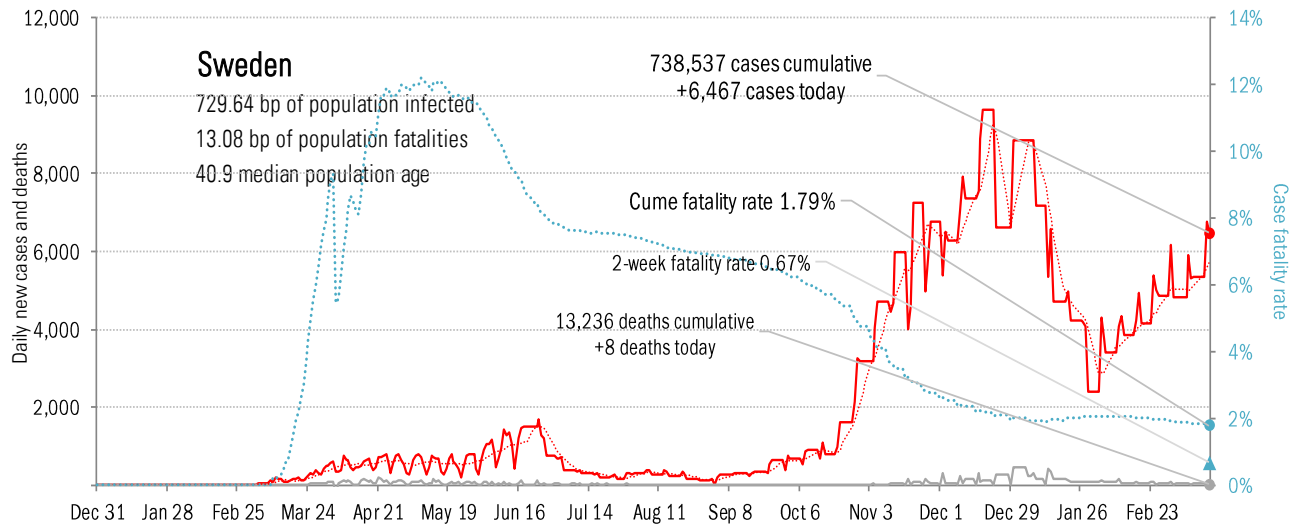
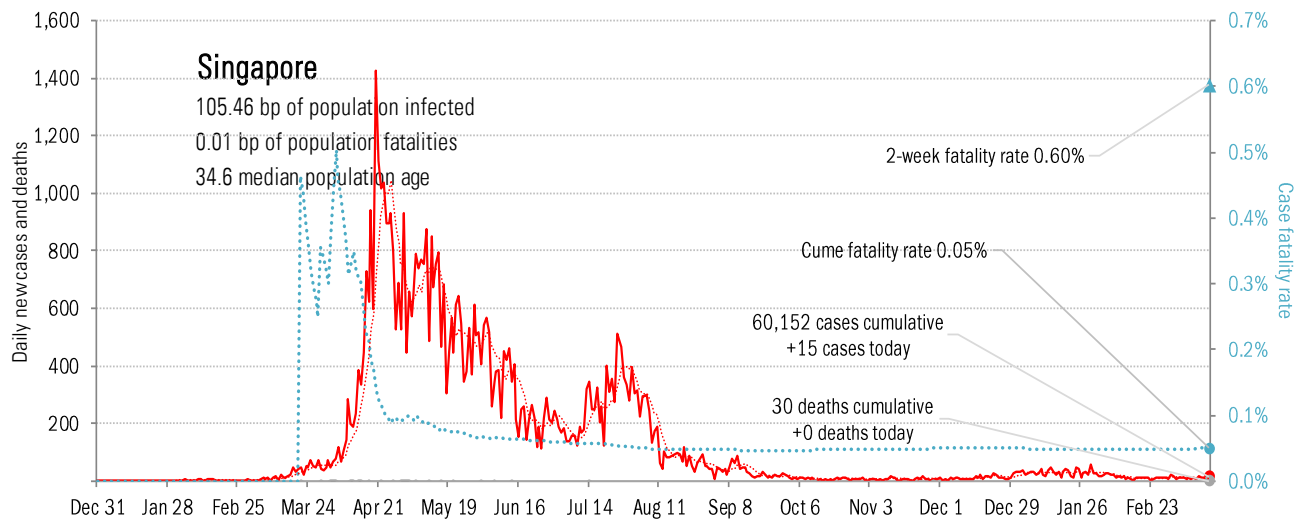
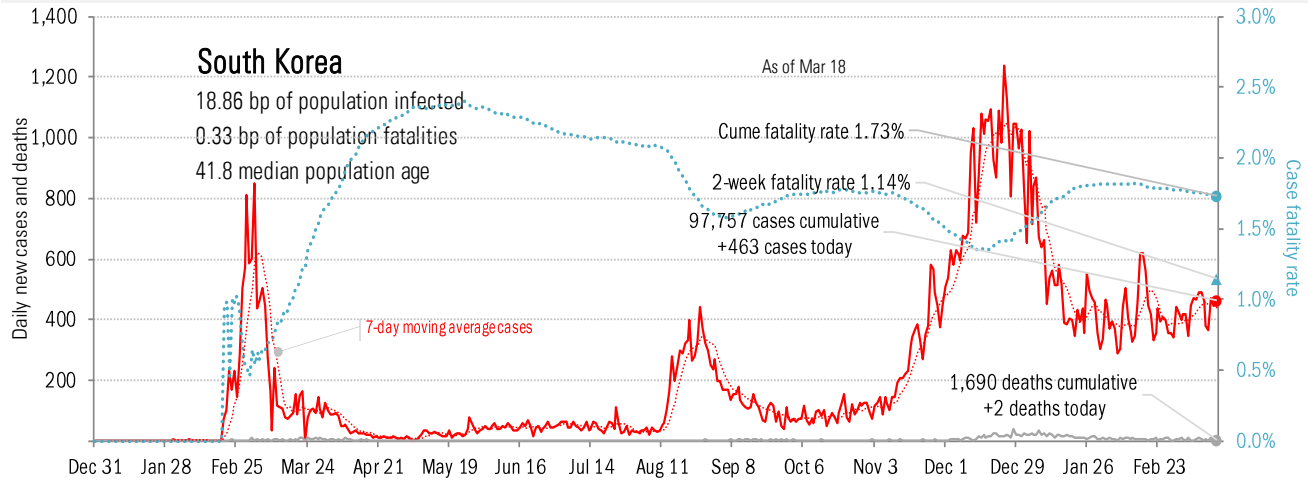
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



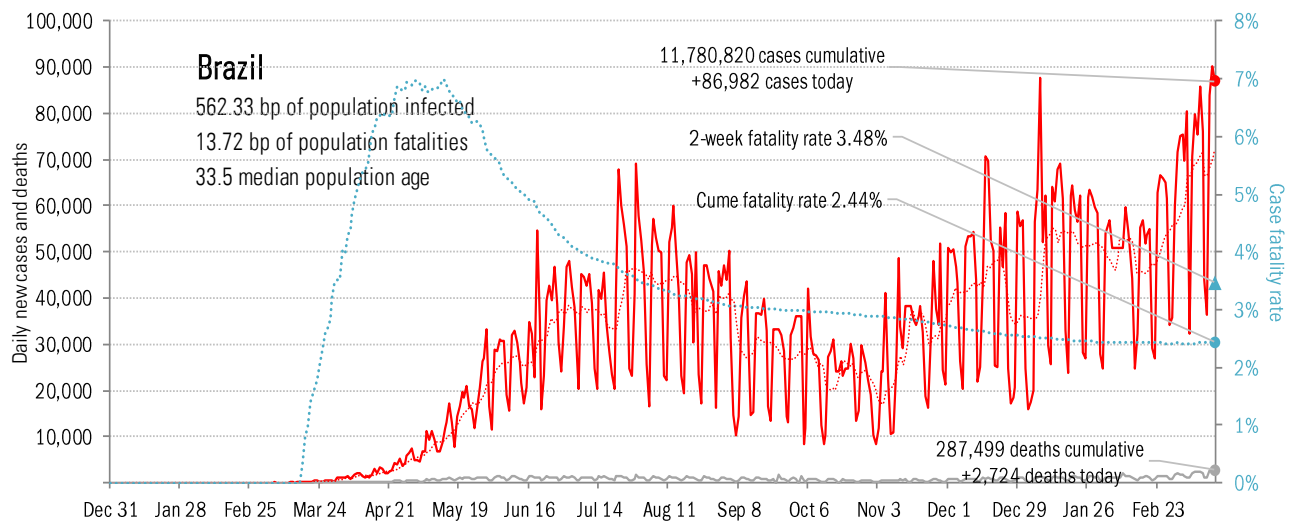
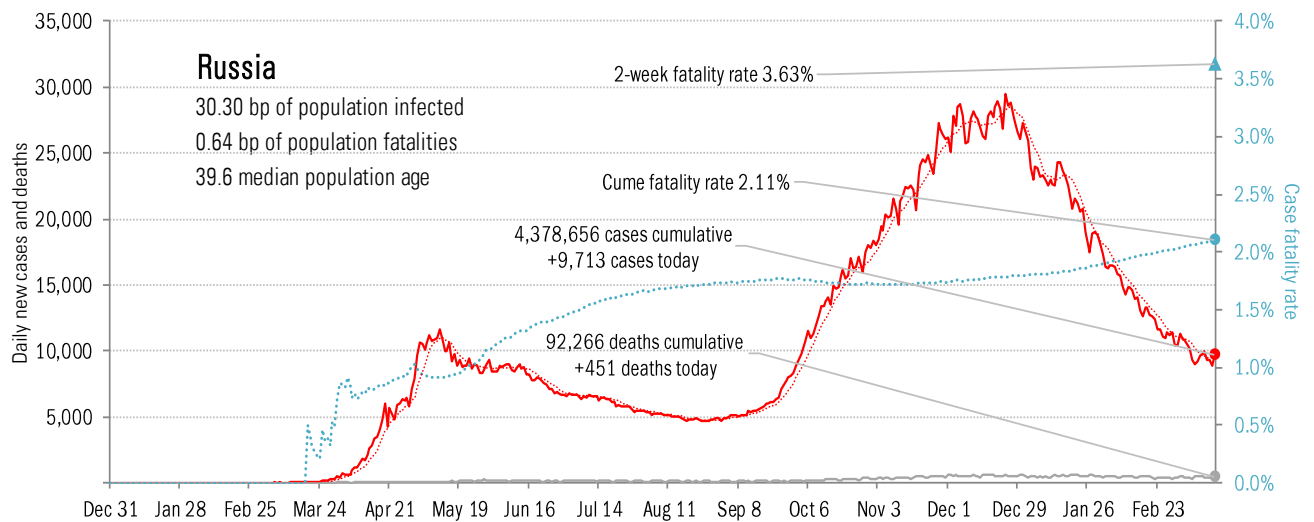
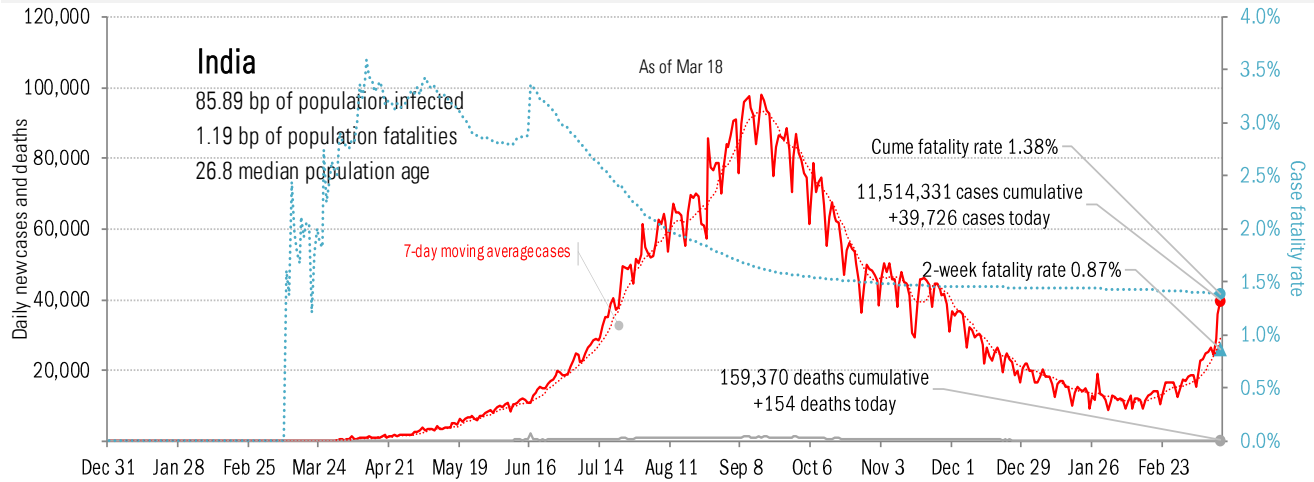
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



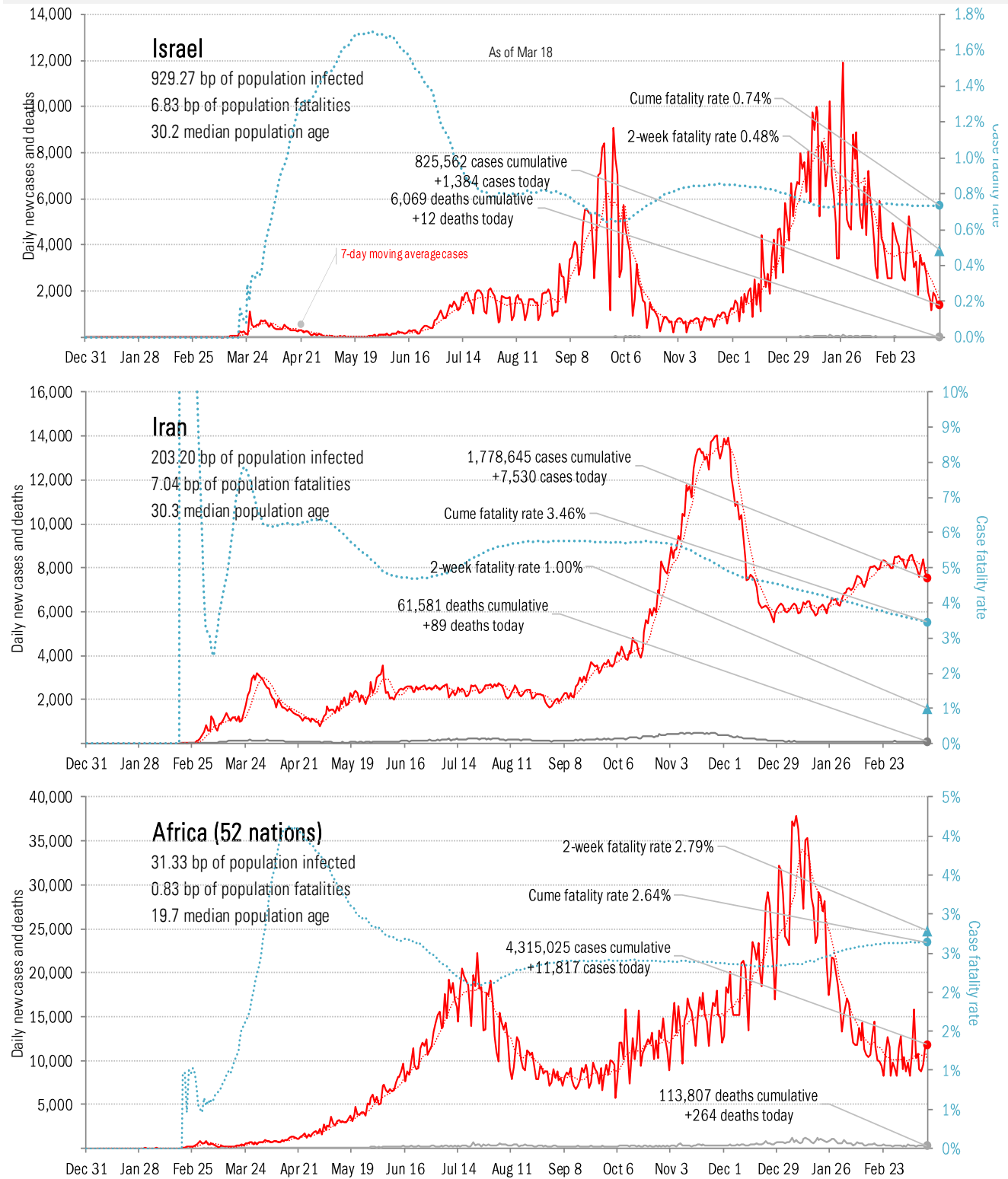
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



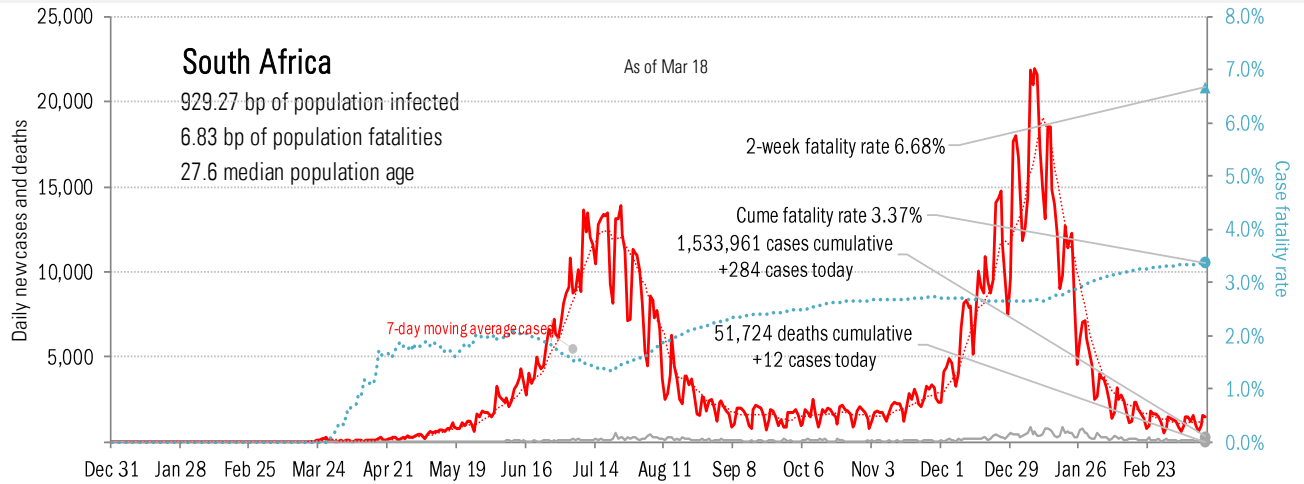
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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