

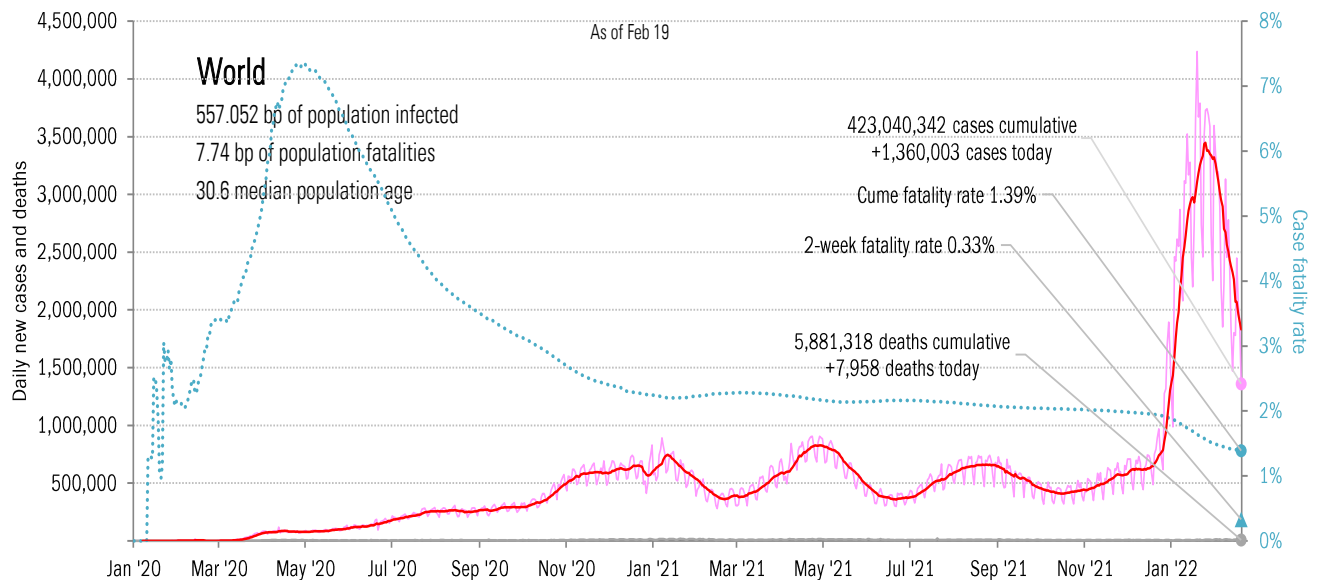
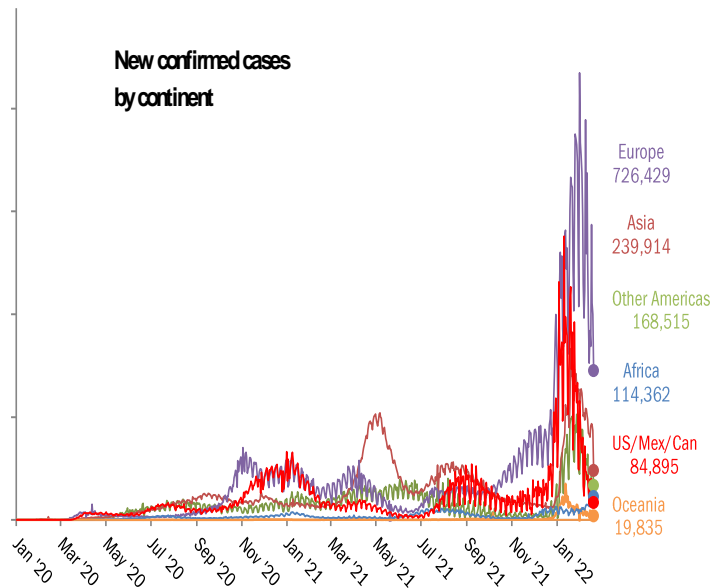
Data Insights: Covid-2019 Monitor

Sunday, February 20, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Russia	176,924	Mexico	927
Germany	113,643	Brazil	855
Brazil	105,129	United States	820
Korea, South	104,828	Russia	786
Japan	81,474	India	673
Turkey	80,454	South Africa	319
France	76,552	Poland	283
Vietnam	54,830	Turkey	278
Italy	50,675	Ukraine	272
Mexico	41,306	Italy	252
885,815		5,465	
World	1,360,003	World	7,958
Top ten	65%	Top ten	69%



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

For more information contact us:

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

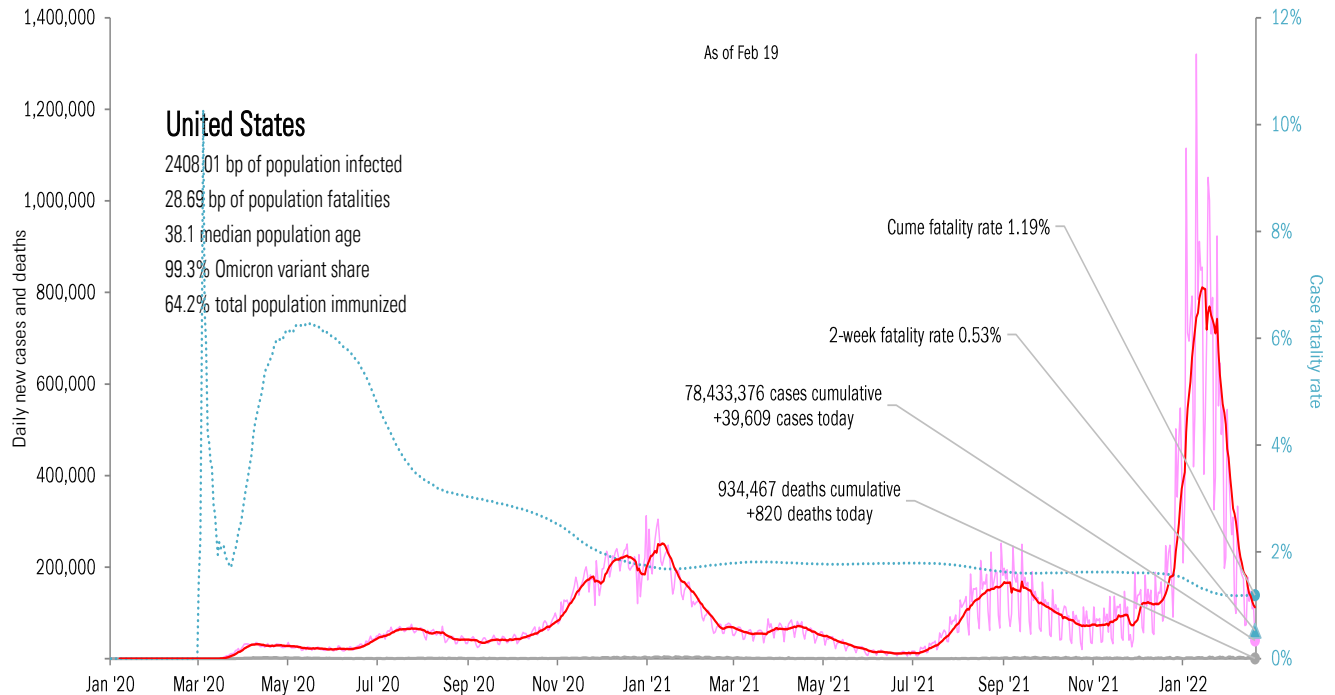
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
TX	8,175		TX	201	AK	9	CA	8,891,694	CA	83,946	TX	476,531	MD	90%	RI	93%					
FL	6,053		FL	190	VT	5	TX	6,575,378	TX	83,648	CA	410,467	RI	90%	AL	92%					
PA	4,277		WA	93	DC	1	FL	5,795,001	FL	68,418	FL	405,328	MA	86%	TX	90%					
ME	4,011		CA	84	RI	1	NY	4,906,178	NY	66,939	NY	239,341	WV	86%	NM	88%					
TN	3,565		TN	69	AS	0	IL	3,013,709	PA	42,686	GA	199,462	MO	85%	MS	88%					
CA	3,158		AL	56	GU	0	PA	2,742,752	CH	35,493	CH	186,599	DC	84%	NV	87%					
NY	2,478		ME	50	MP	0	CH	2,643,929	GA	34,757	PA	171,628	MN	84%	CK	85%					
IA	1,757		DE	35	VI	0	NC	2,559,793	IL	34,732	IL	153,020	PA	84%	WA	85%					
CH	1,599		AR	20	KS	-2	GA	2,451,908	MI	33,998	MI	137,229	GA	83%	GA	84%					
AL	1,153		NY	20	FR	-5	MI	2,343,162	NJ	32,647	KY	137,211	WA	83%	NC	83%					
36,226			818			9			41,923,504			517,264			2,516,816						
All states	39,609		820		-2,330		All states	78,433,376	934,467		4,563,090		All states	70%	67%						
Top ten	91%		100%		0%		Top ten	53%	55%		55%		Median	78%	79%						

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-6,561	CA	-190	KY	-248	AR	+10 bp
CA	-5,923	GA	-149	CH	-138	AZ	+10 bp
MI	-5,782	MI	-128	NE	-41	DE	+10 bp
NC	-4,871	AZ	-115	NM	-36	IL	+10 bp
KY	-4,346	IN	-103	NV	-36	IN	+10 bp



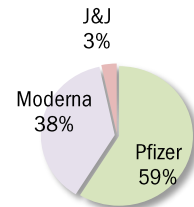
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

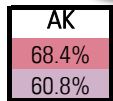
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	564,838,765		+0.528 million	US	64.2%	76.0%
Boosters	94,037,755		+0.221 million	UK	71.5%	77.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	260,402,463	78%	220,949,703	66%	+0.146 million	France 77.1% 80.0%
Age 12 to 17	17,232,772	68%	14,646,241	58%	+0.015 million	Spain 82.1% 87.7%
Age 18 to 64	175,597,844	86%	148,813,976	73%	+0.077 million	Germany 74.2% 75.4%
Age 65 and over	58,158,285	100%	50,299,552	92%	+0.013 million	Italy 77.8% 83.7%

Israel	65.8%	72.1%
Canada	80.4%	85.3%
Japan	79.3%	80.6%
Africa	11.5%	16.8%
India	54.2%	68.8%
Brazil	71.3%	81.5%
China	85.1%	87.7%

Global data differs due to sources, timing

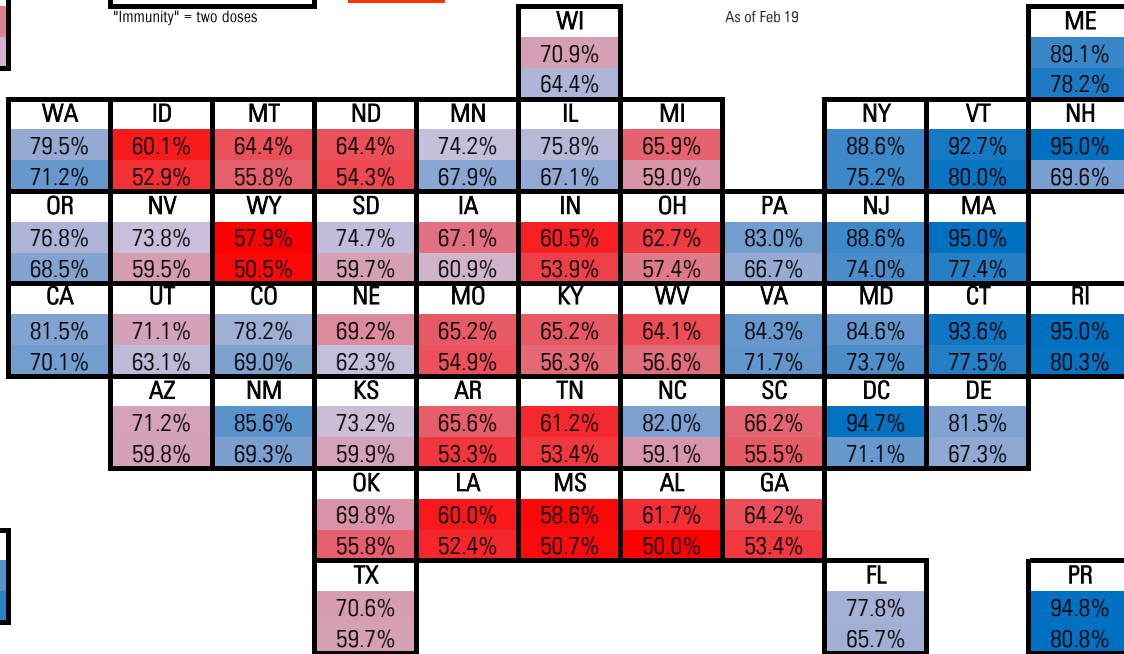


State
At least partial immunity as % population
Full immunity as % population

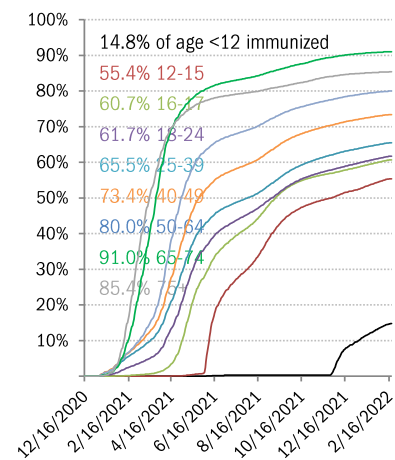
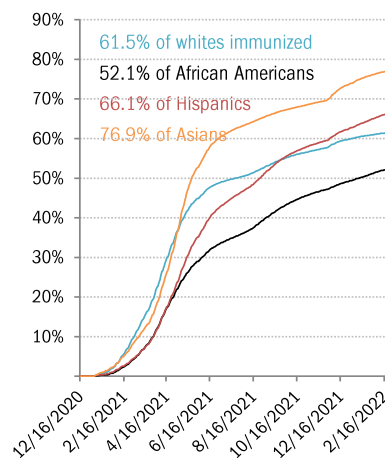
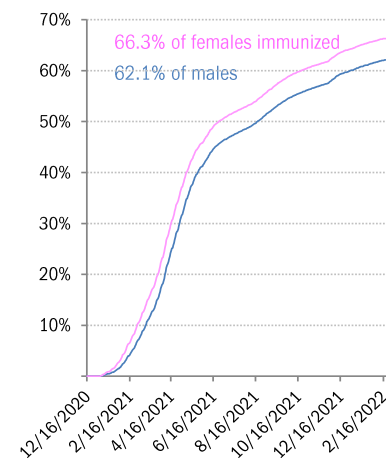


Immunity = two doses

As of Feb 19



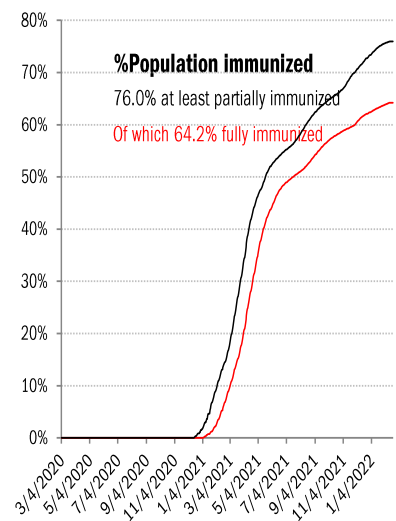
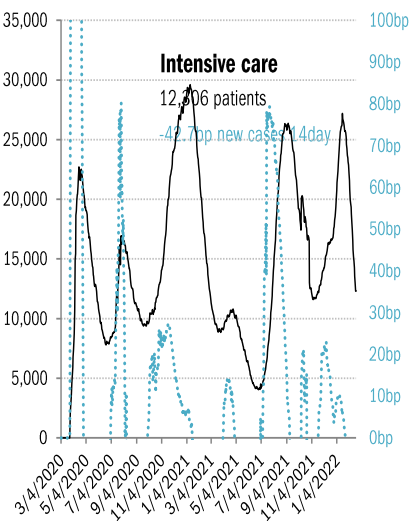
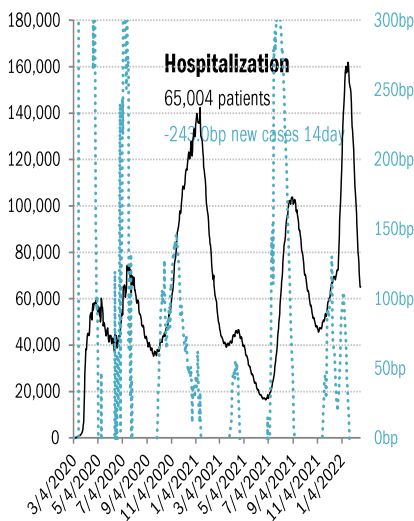
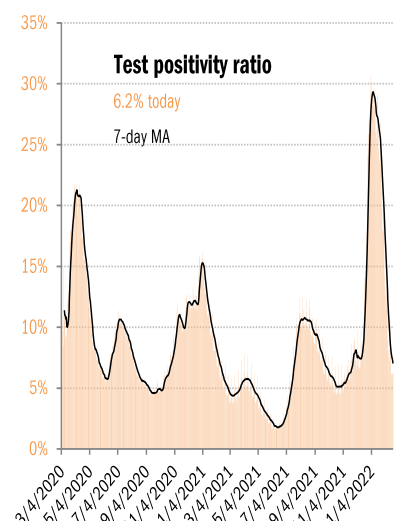
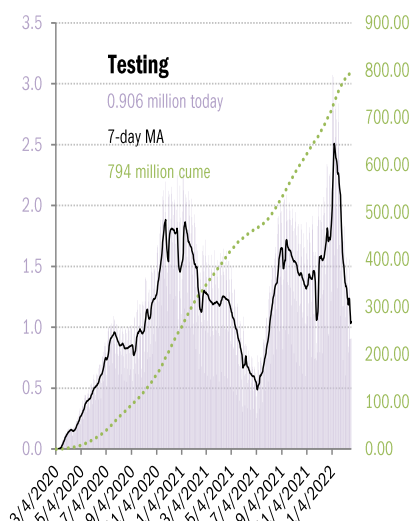
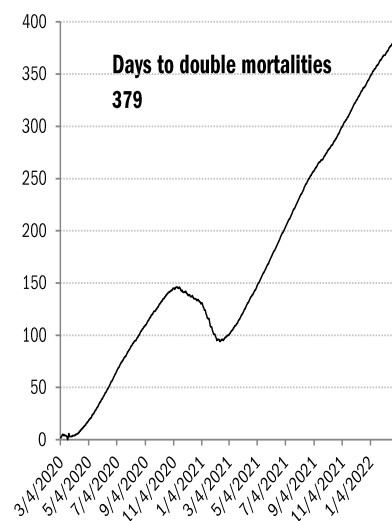
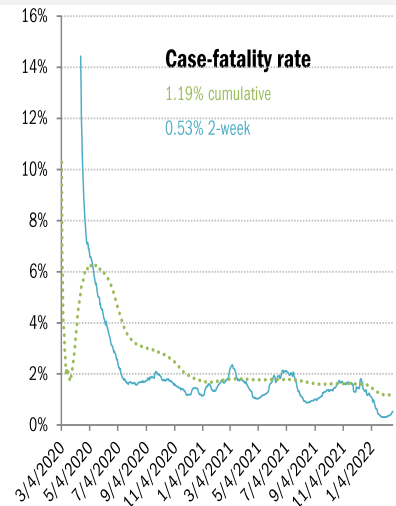
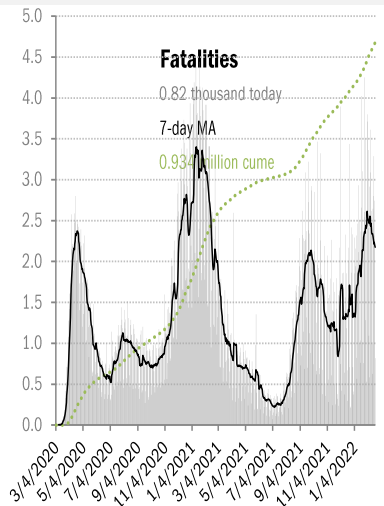
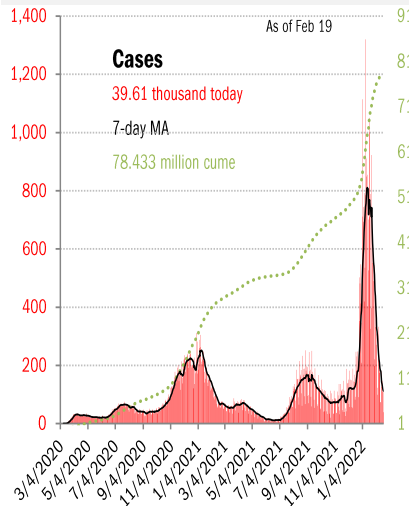
The demographics of US vaccination



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

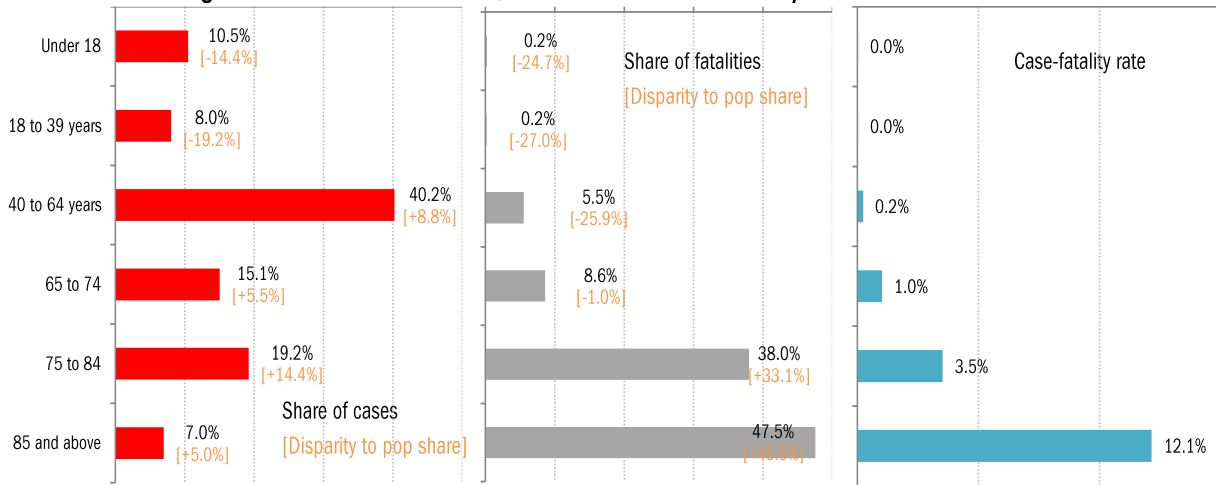
US deep-dive

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

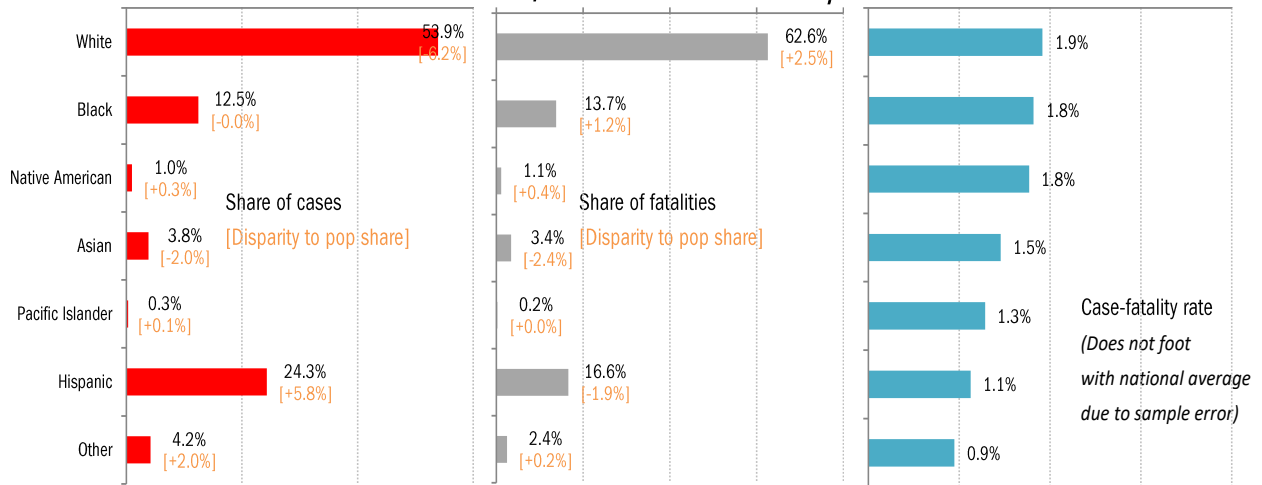


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

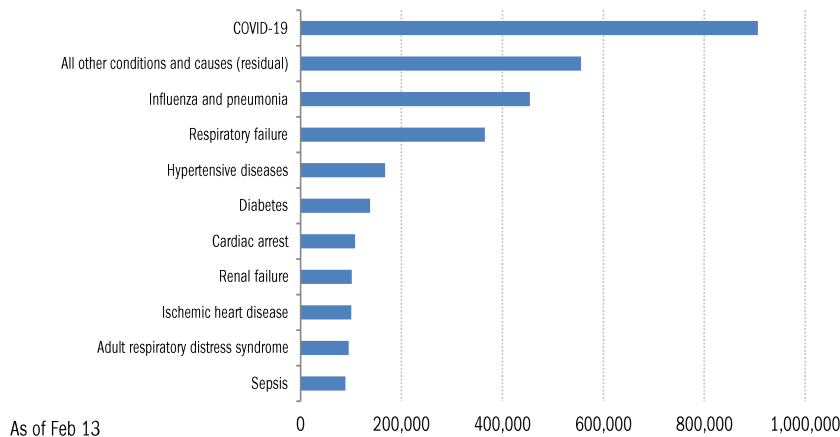


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



The CDC website now omits the following text, which had been included every day for over a year:

For over 5% of these deaths, COVID-19 was the only cause mentioned on the death certificate. For deaths with conditions or causes in addition to COVID-19, on average, there were 4.0 additional conditions or causes per death.

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

Recommended reading

[Letter to the Speaker of the House of Representatives and President of the Senate on the Continuation of the National Emergency Concerning the Coronavirus Disease 2019 \(COVID-19\) Pandemic](#)

The White House
February 19, 2022

[Biden extends the national pandemic emergency first declared in March 2020.](#)

Vimal Patel
New York Times
February 19, 2022

[How Long Covid Exhausts the Body](#)

Josh Keller
New York Times
February 19, 2022

[The Disinformation Campaign Against Ivermectin - JAMA's "Diversion"](#)

Pierre Kory
Pierre Kory's Medical Musings
February 19, 2022

[COVID-19 and All-Cause Mortality Data by Age Group Reveals Risk of COVID Vaccine-Induced Fatality is Equal to or Greater than the Risk of a COVID death for all Age Groups Under 80 Years Old as of 6 February 2022](#)

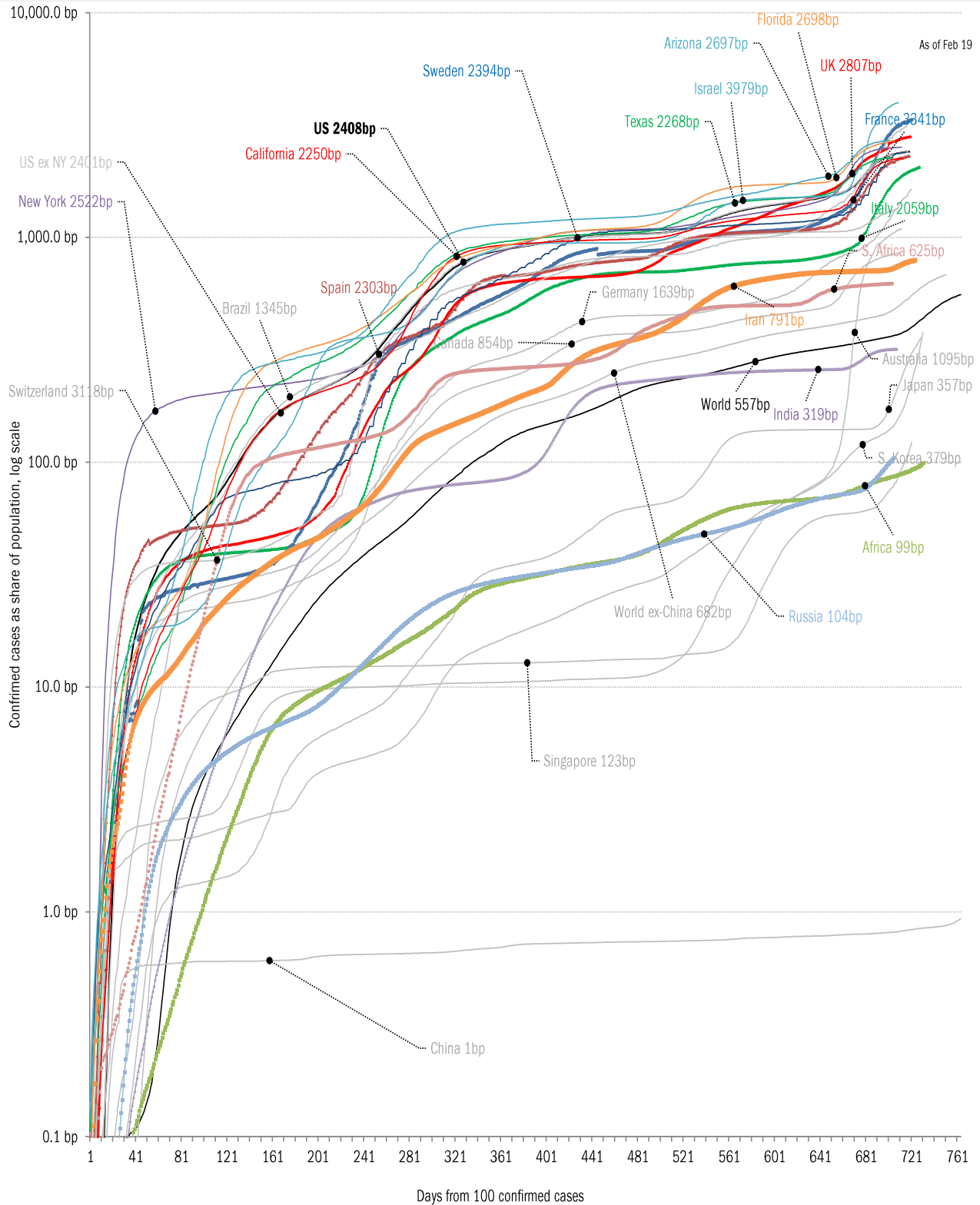
Kathy Dopp, MS Mathematics and Stephanie Seneff, PhD
Steve Kirsch's Newsletter
February 13, 2022

Meme of the day



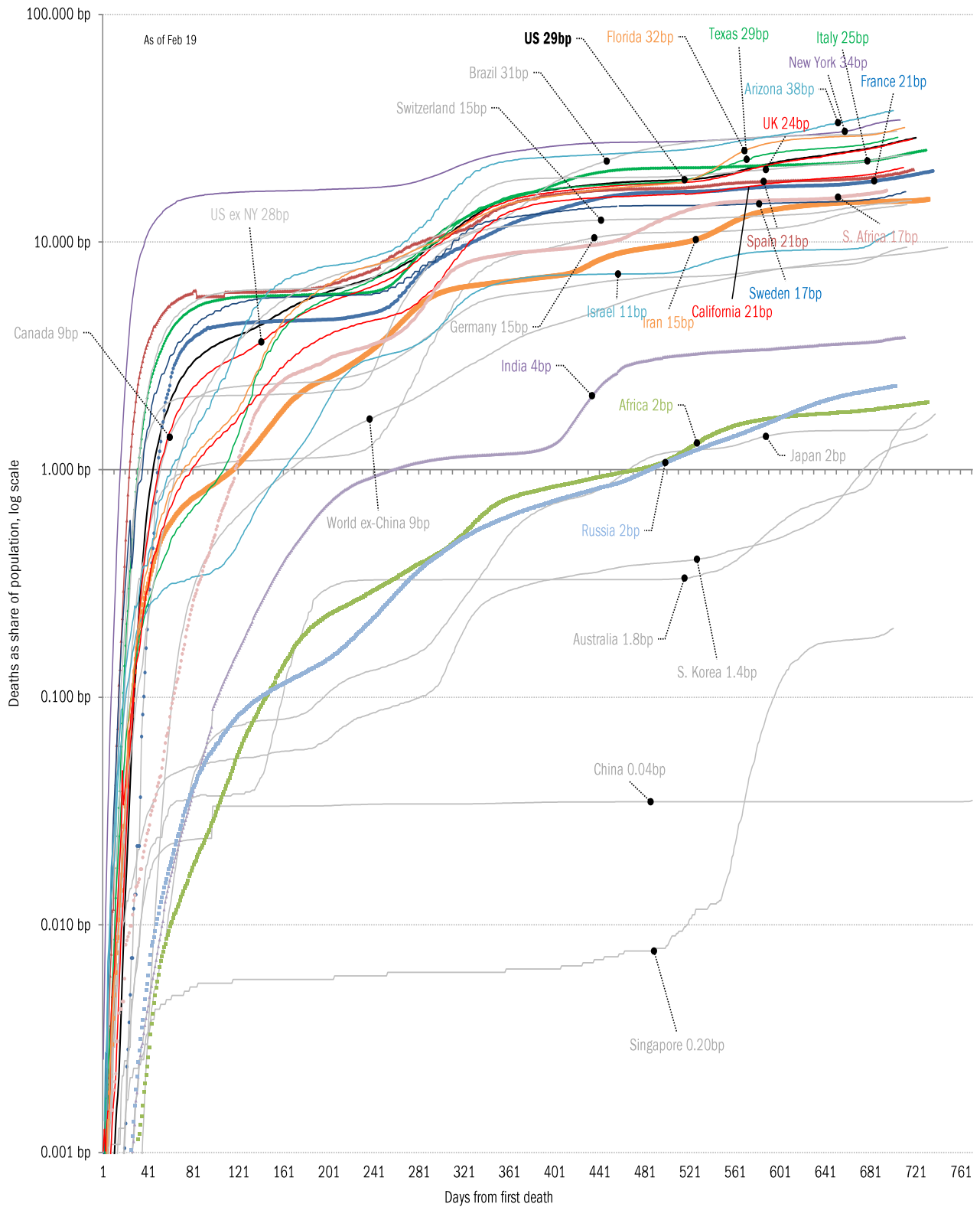
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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, log scale

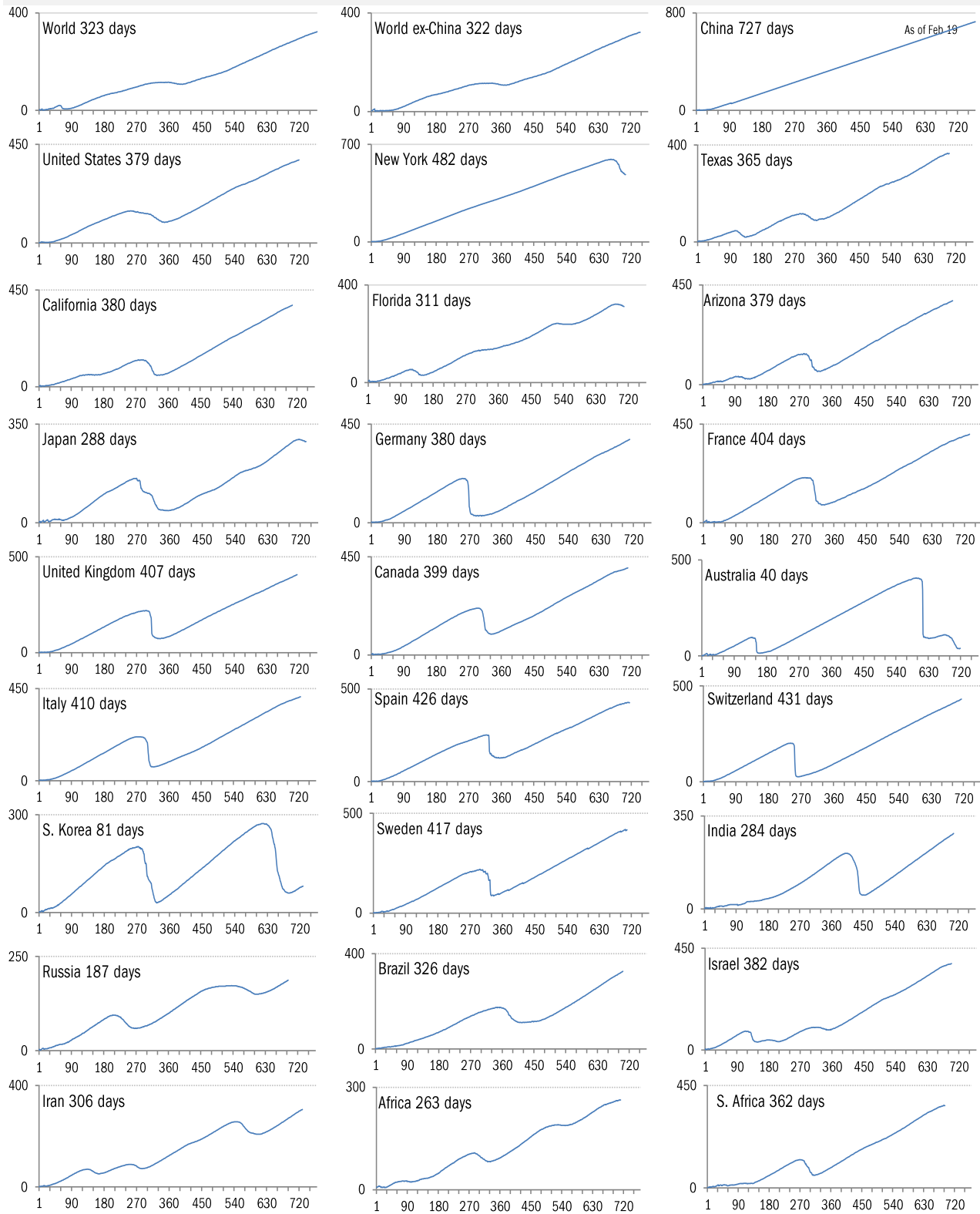


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

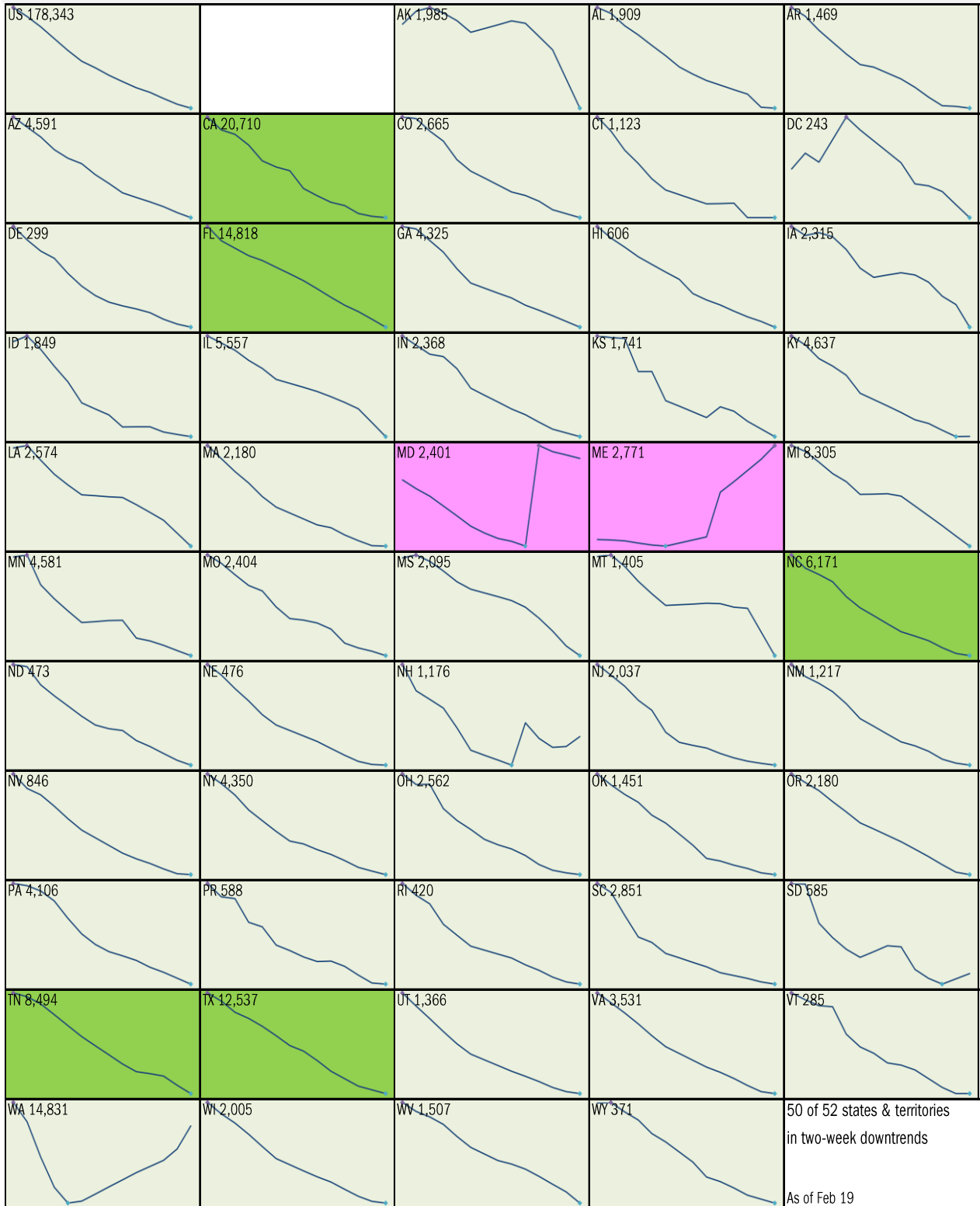
Vertical: days to double deaths Horizontal: days from first death

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



Source: [Johns Hopkins](#), 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

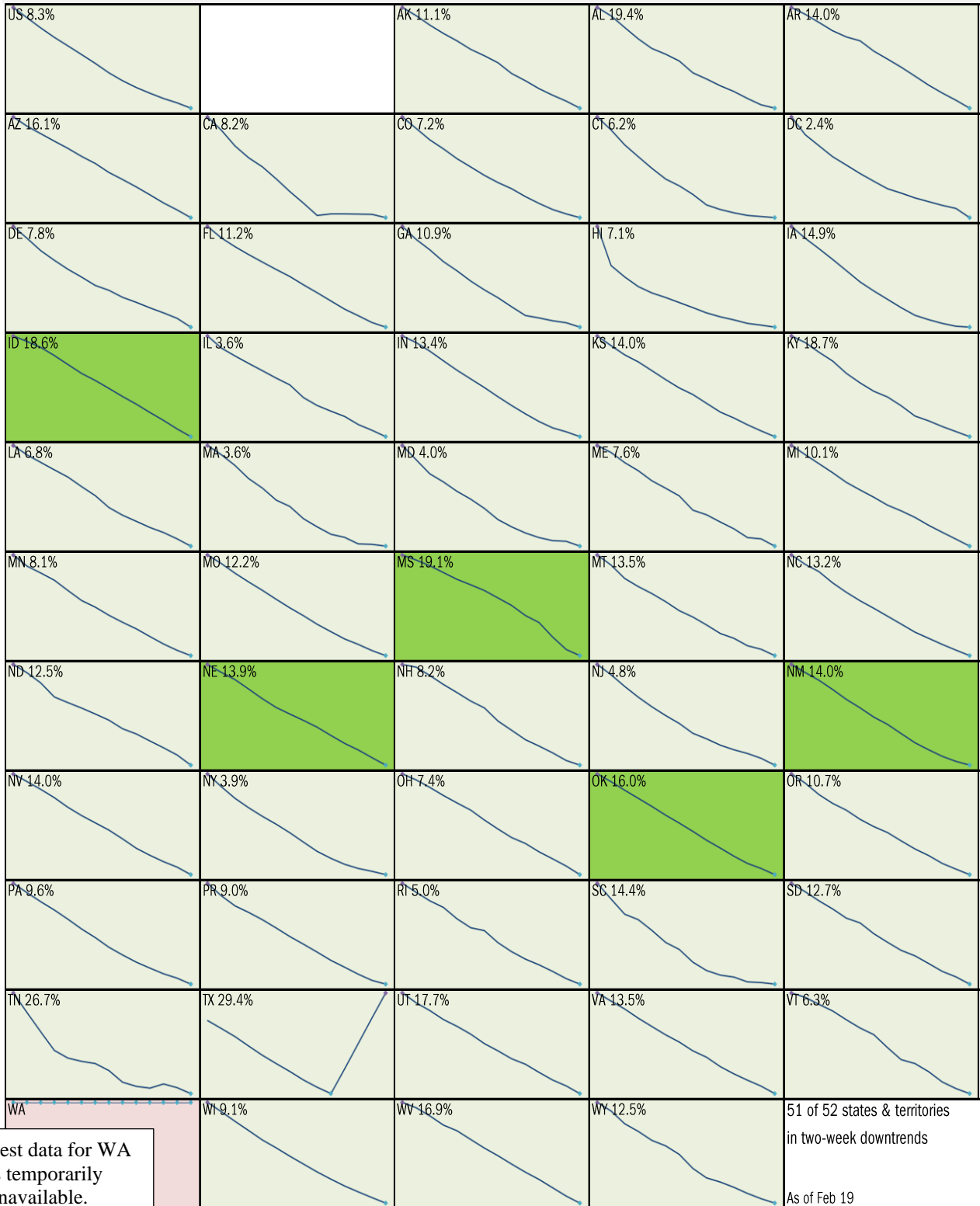


Source: [Johns Hopkins](#), TrendMacro calculations

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



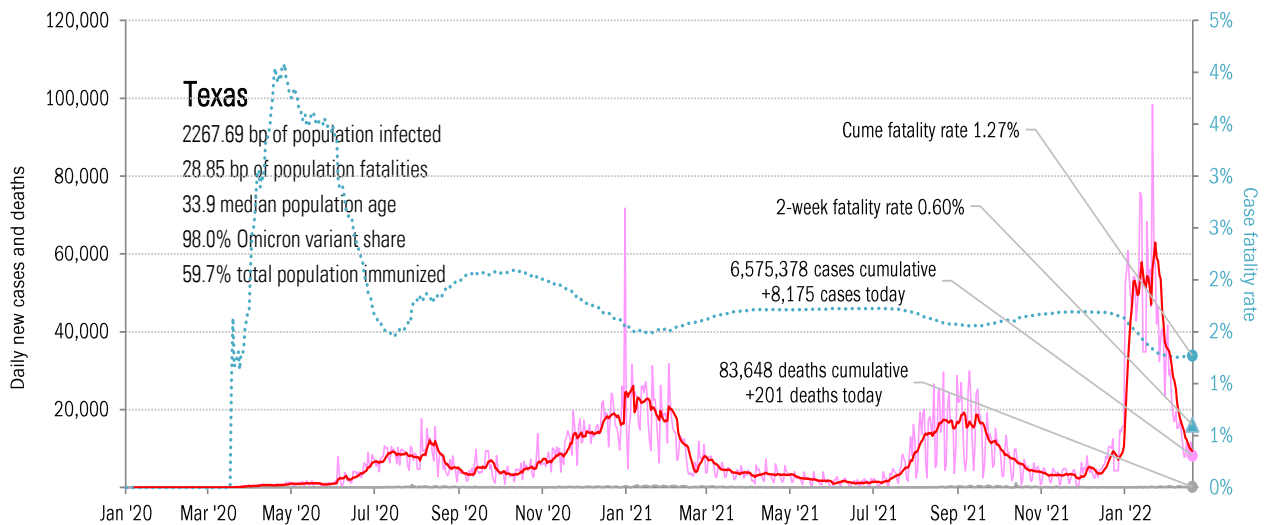
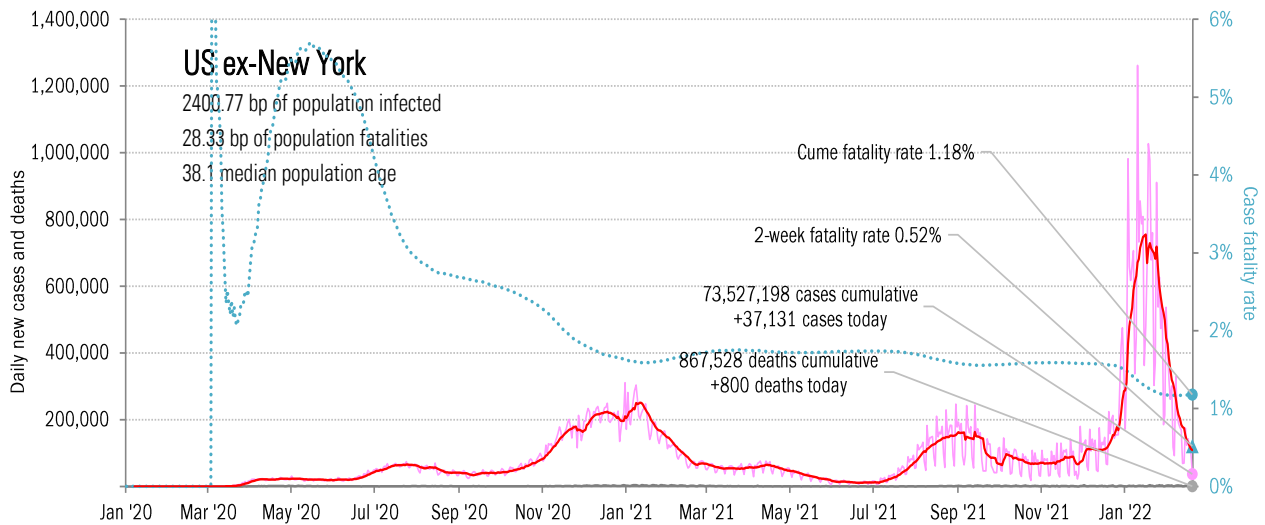
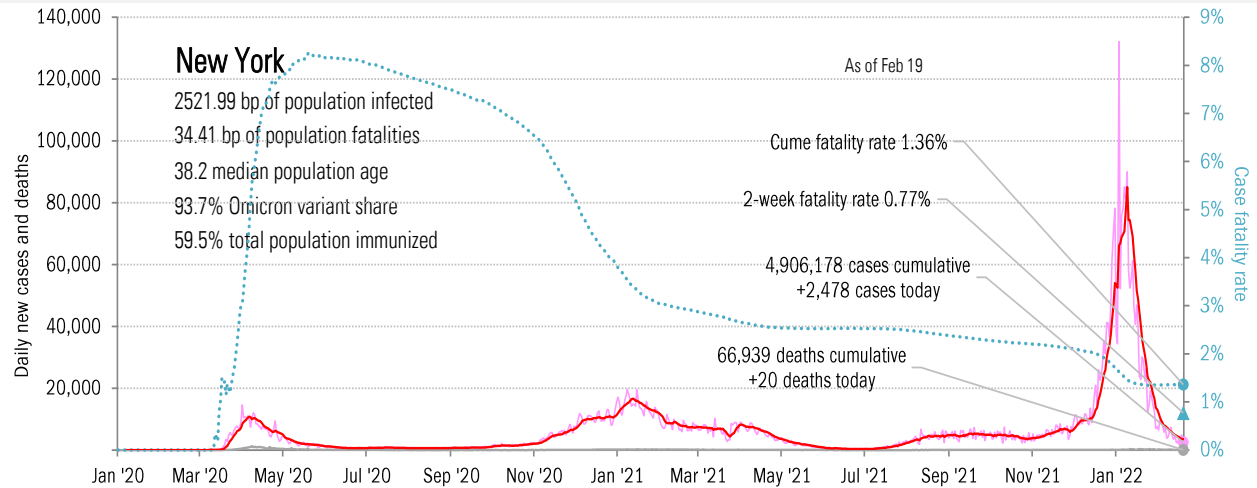
Test data for WA is temporarily unavailable.

51 of 52 states & territories in two-week downtrends
As of Feb 19

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

From Ground Zero to the Rio Grande

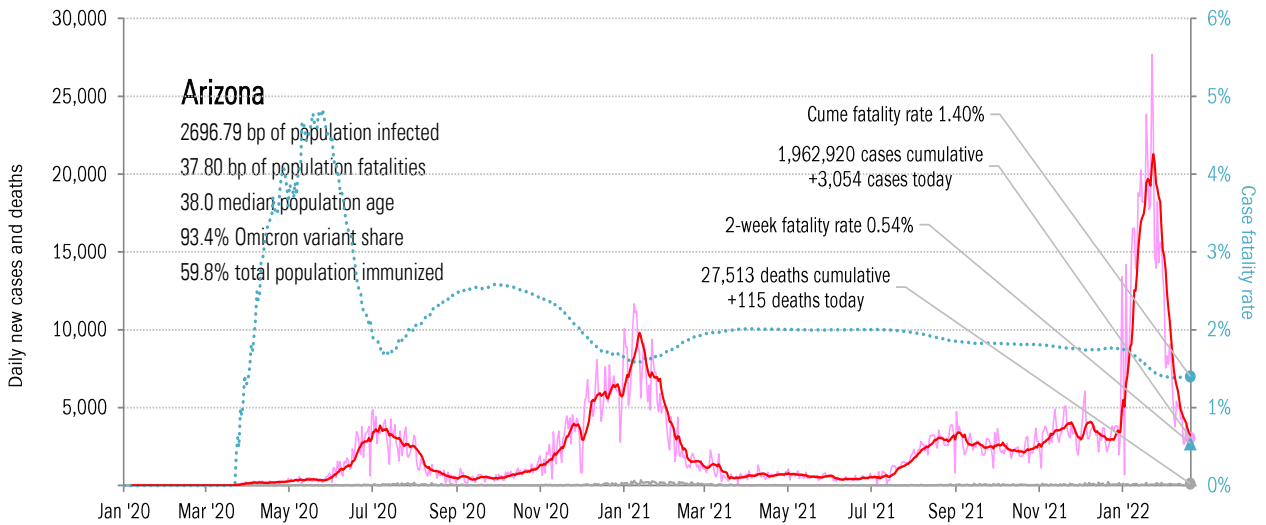
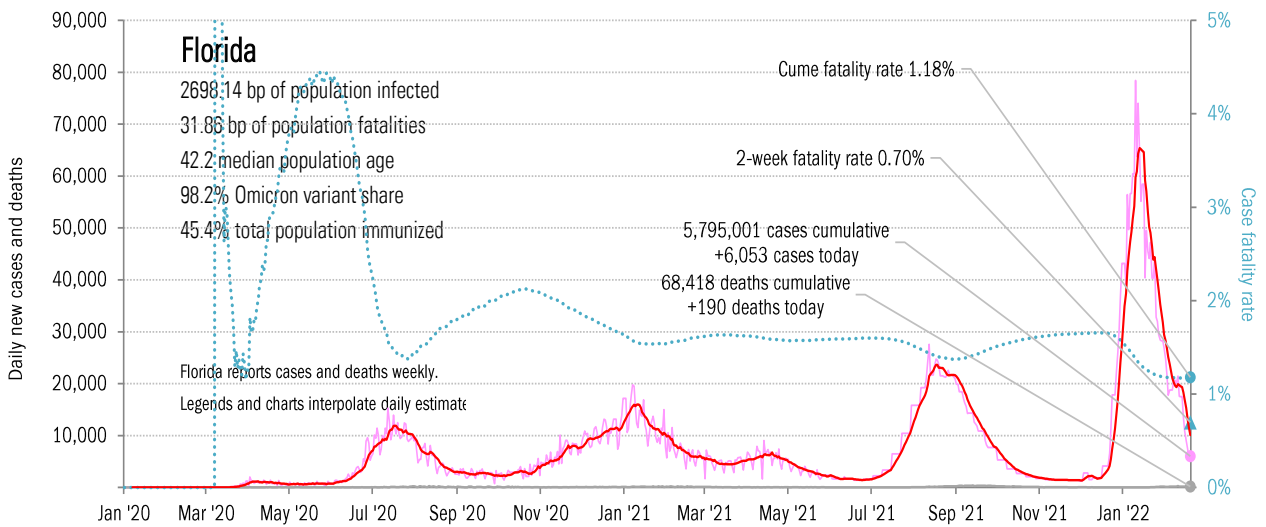
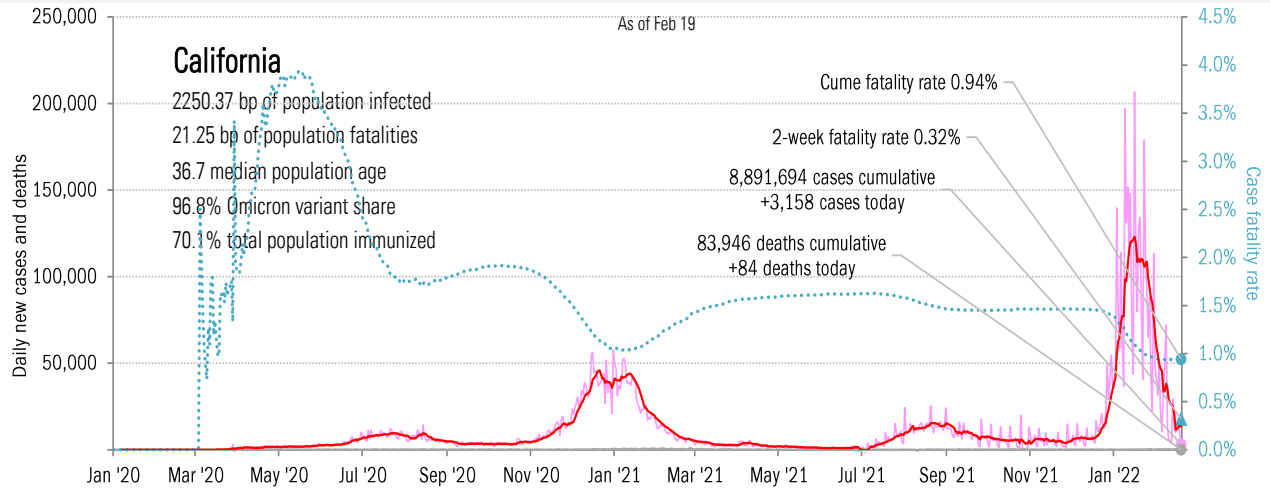
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

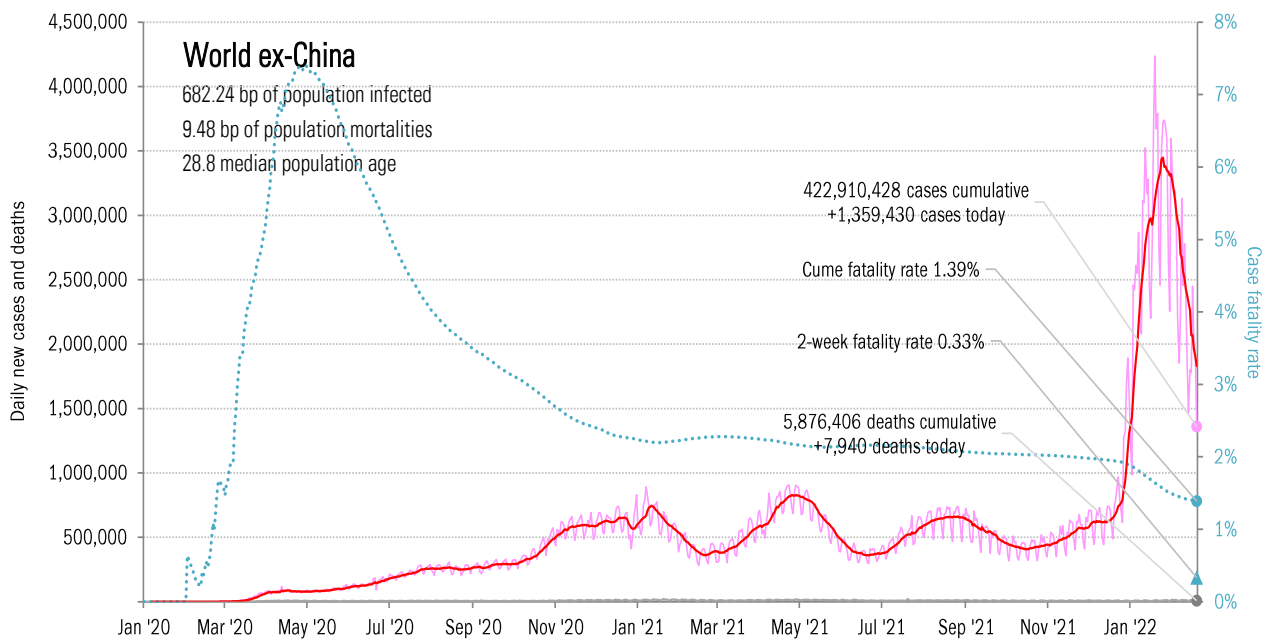
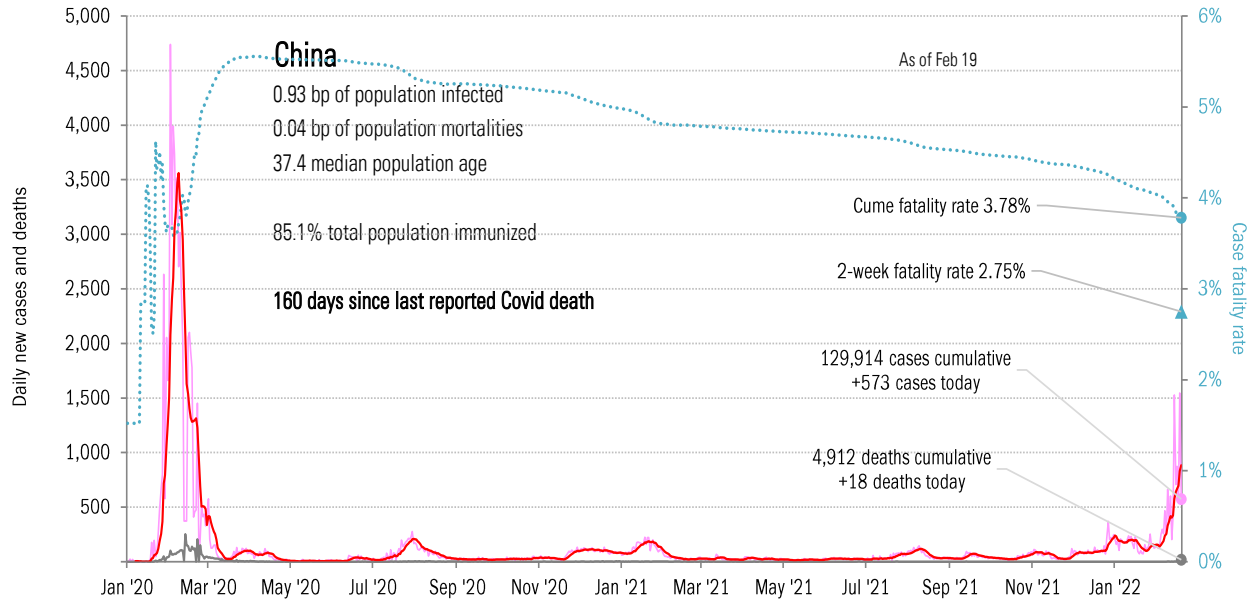
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

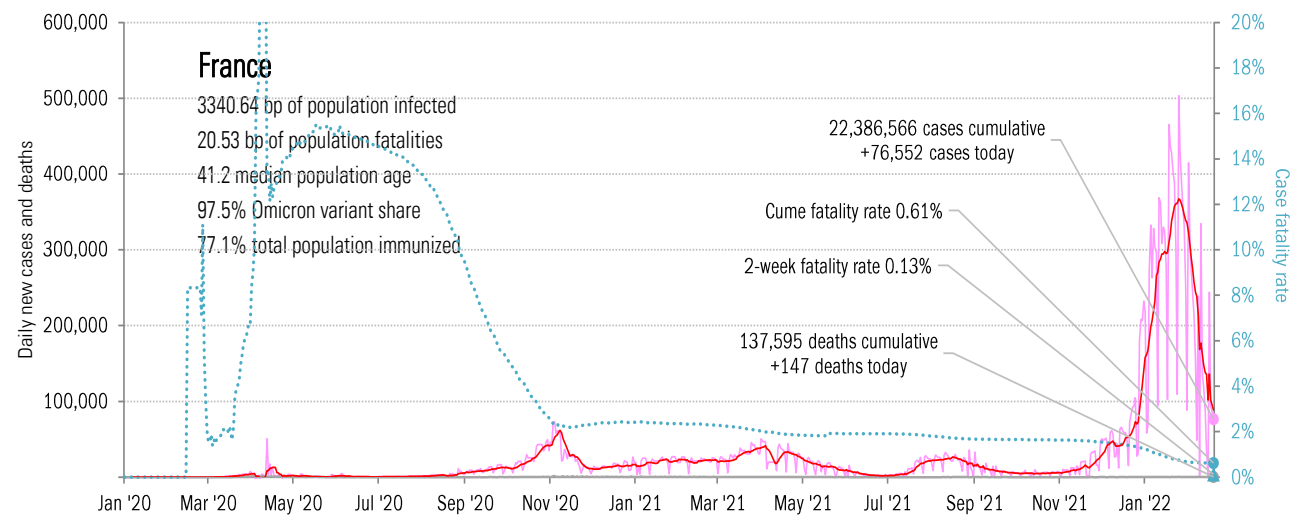
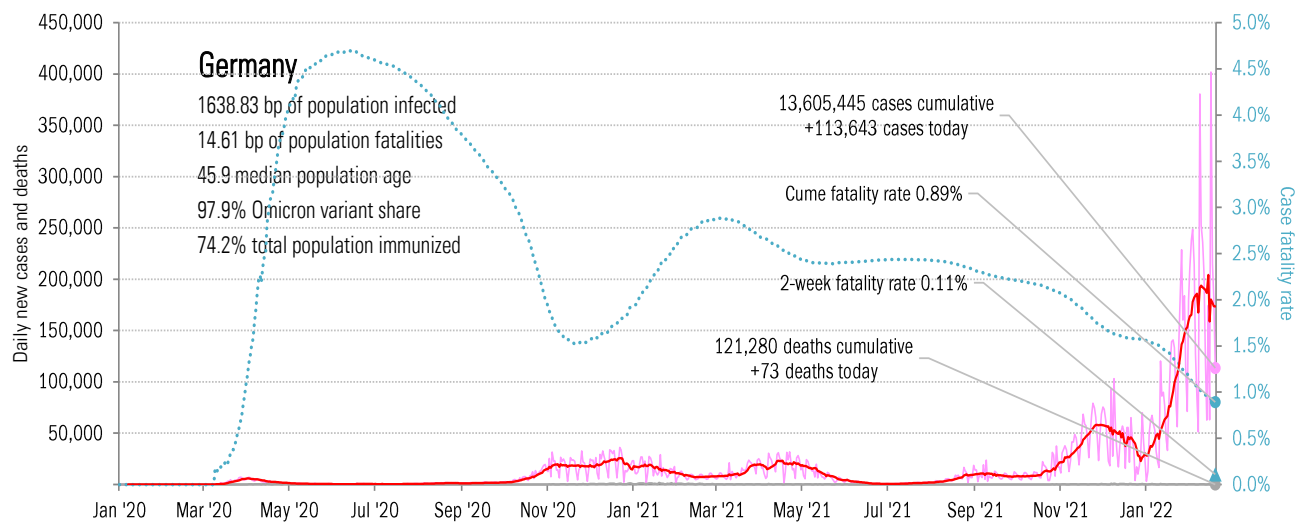
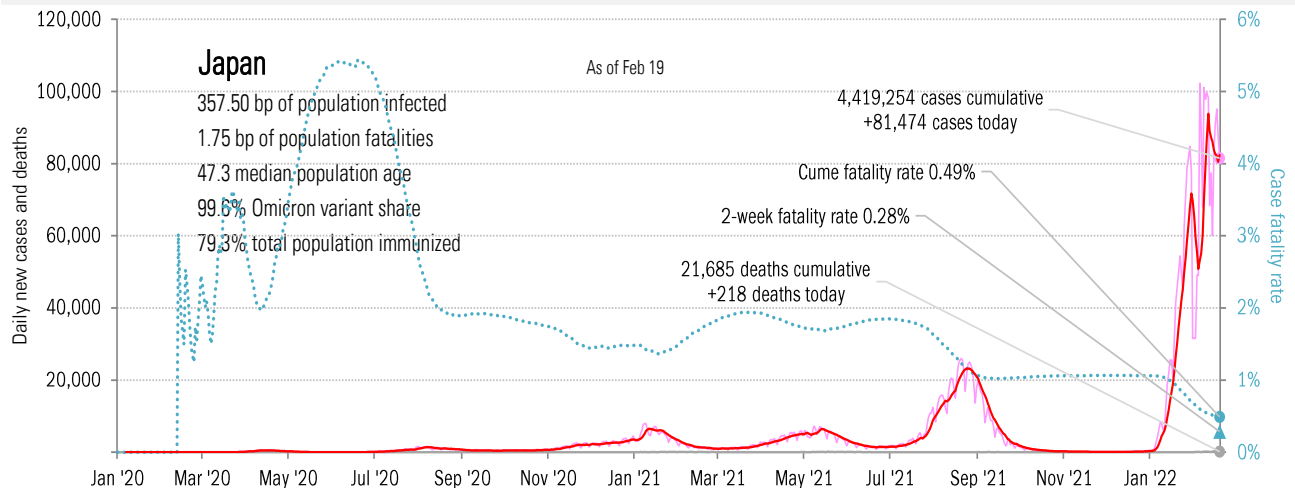
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

Impact in the largest economies

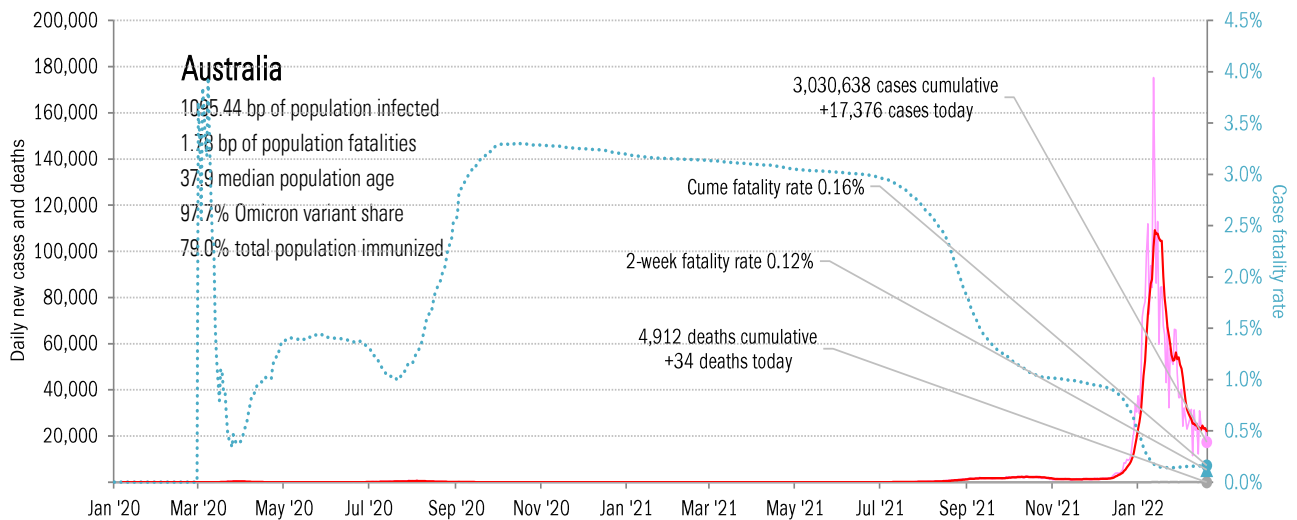
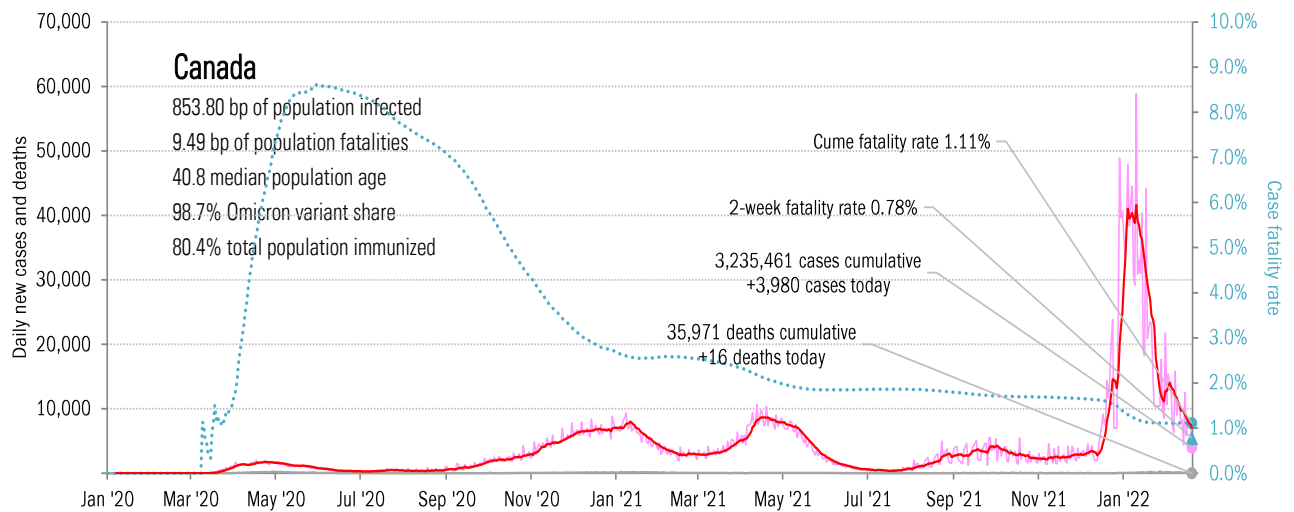
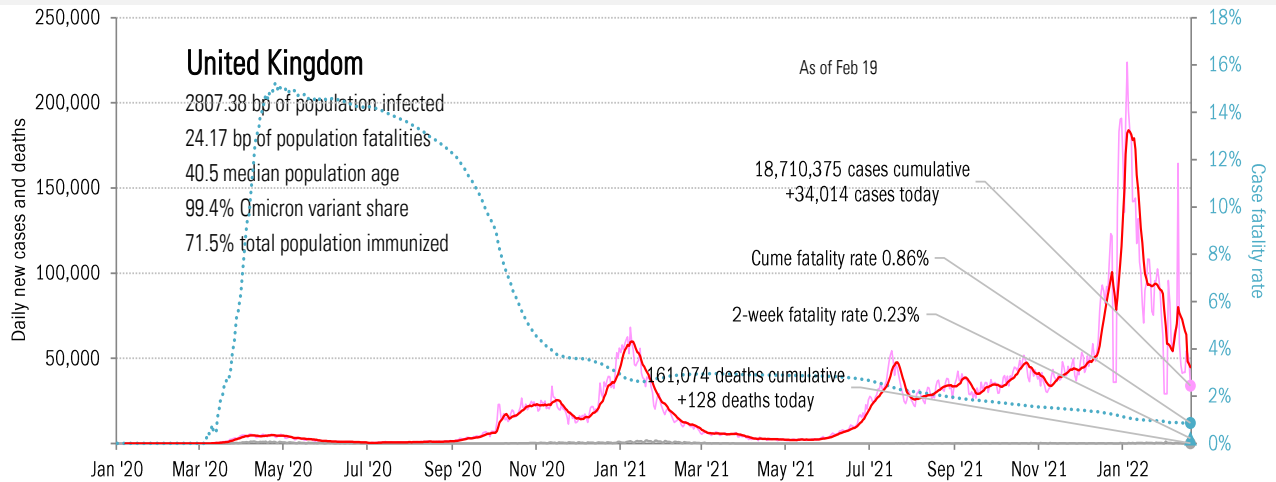
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

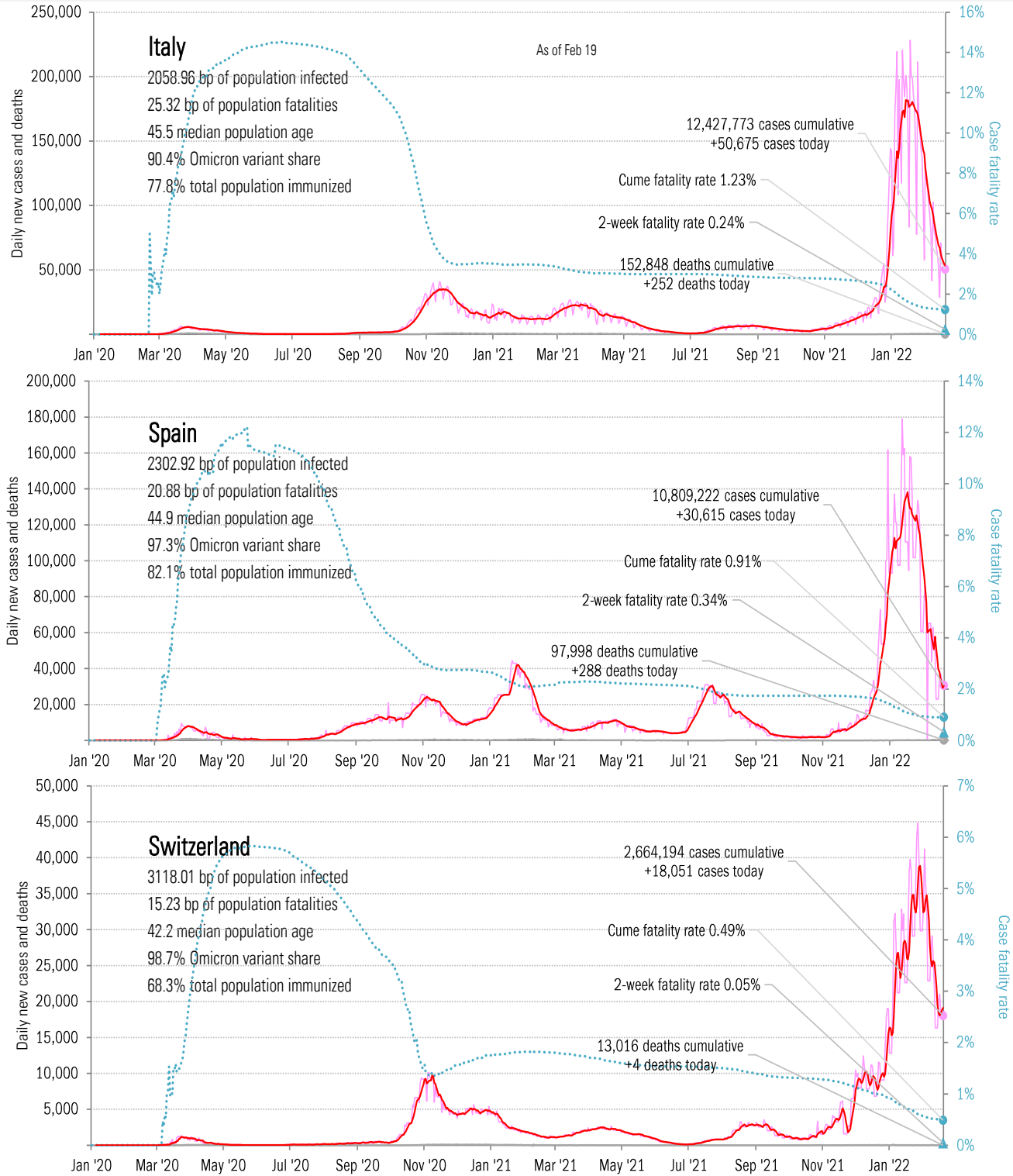
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

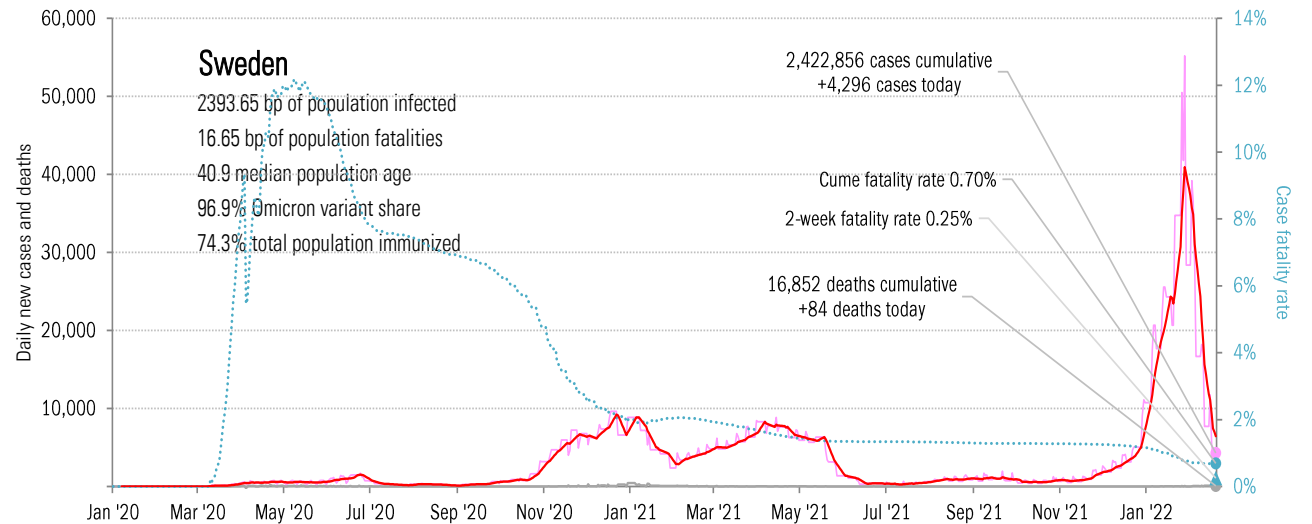
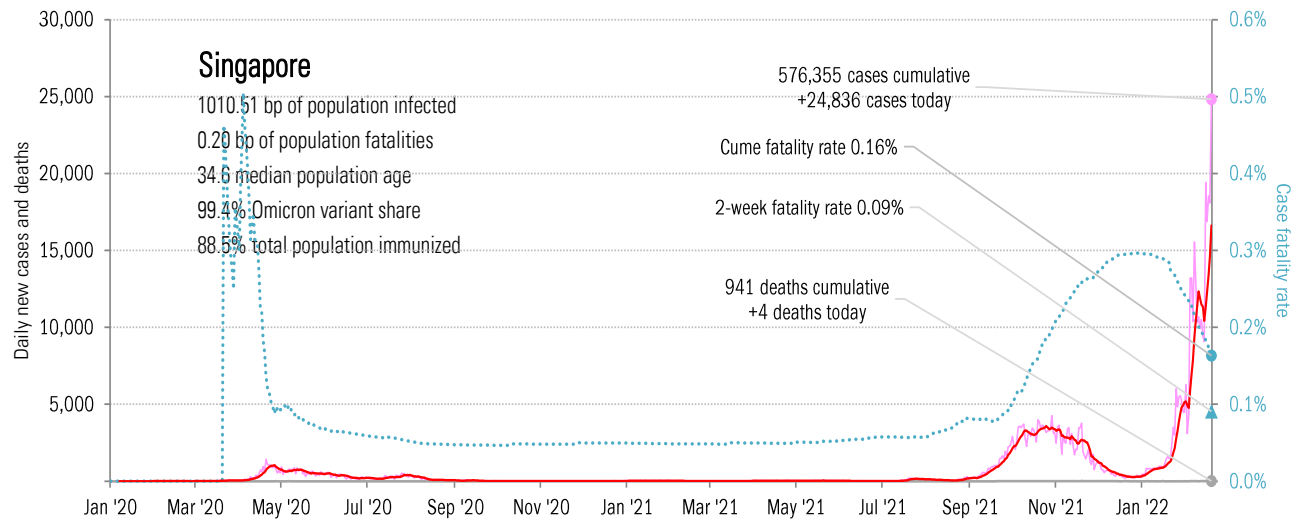
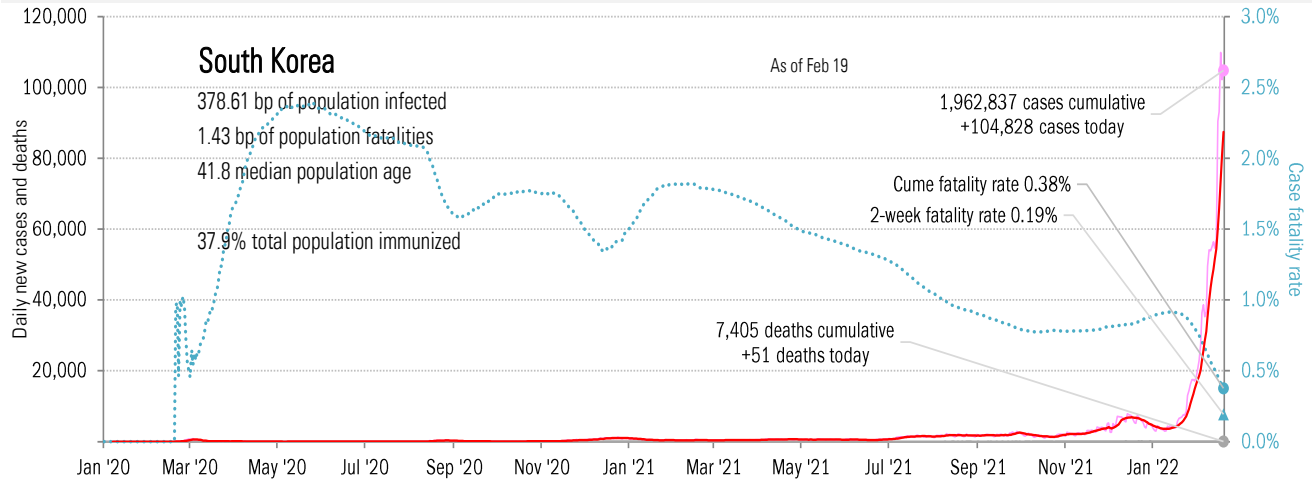
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

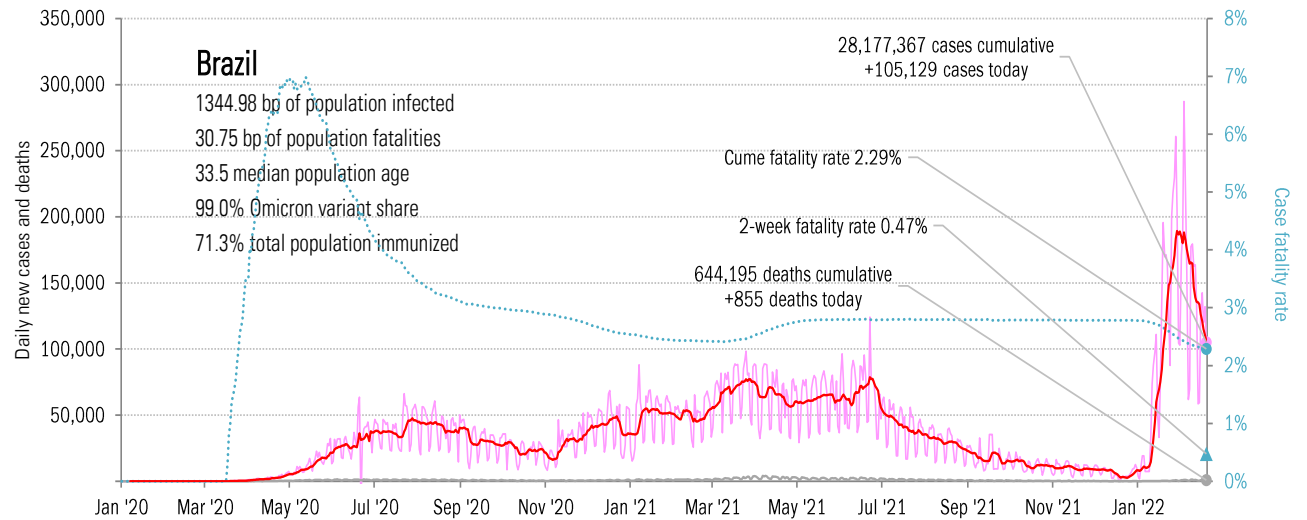
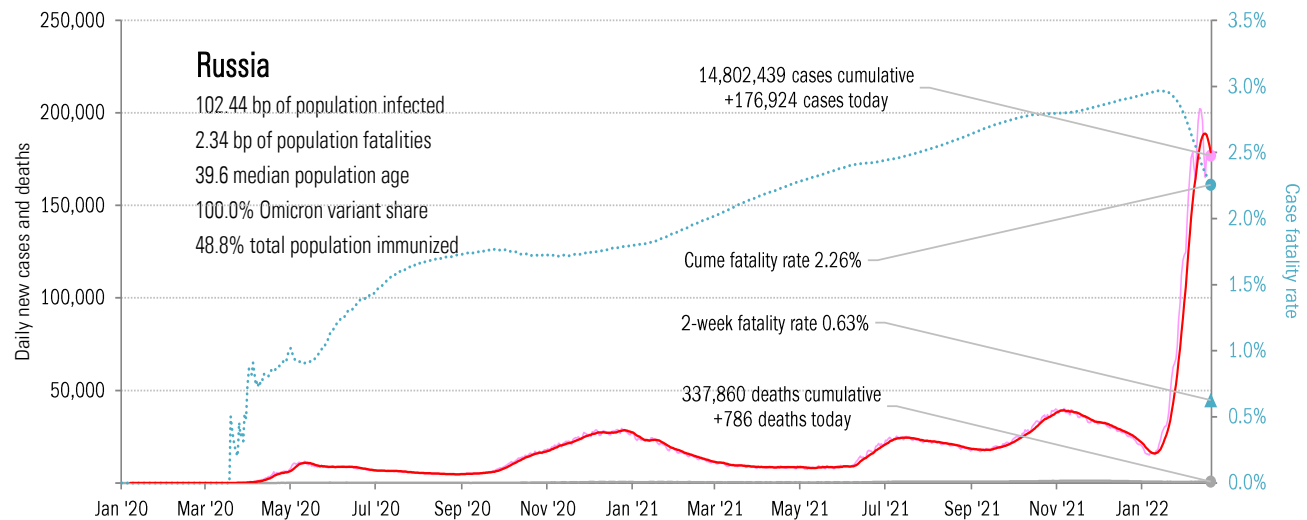
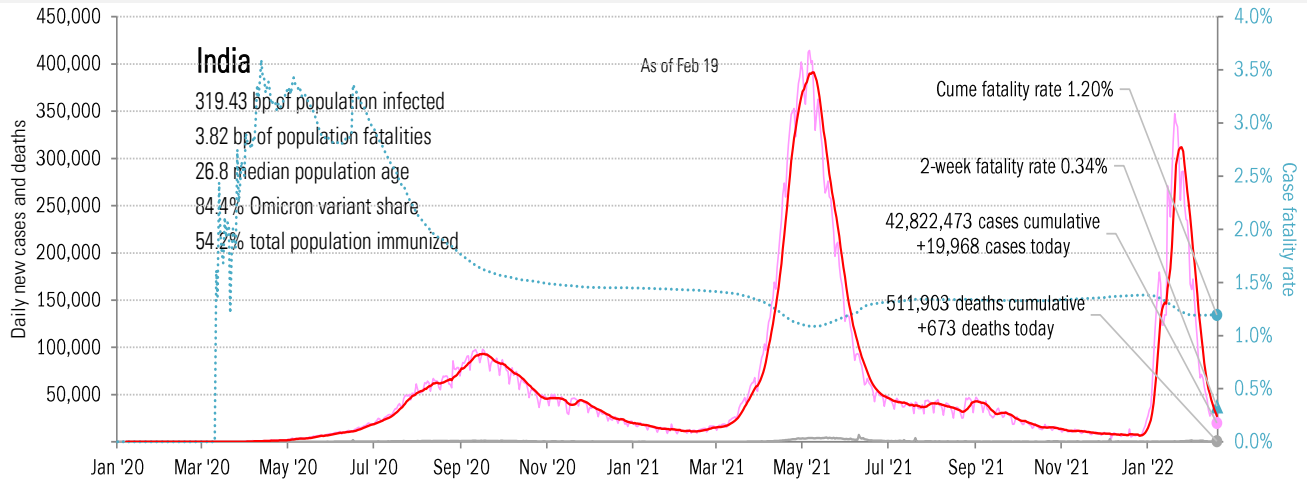
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

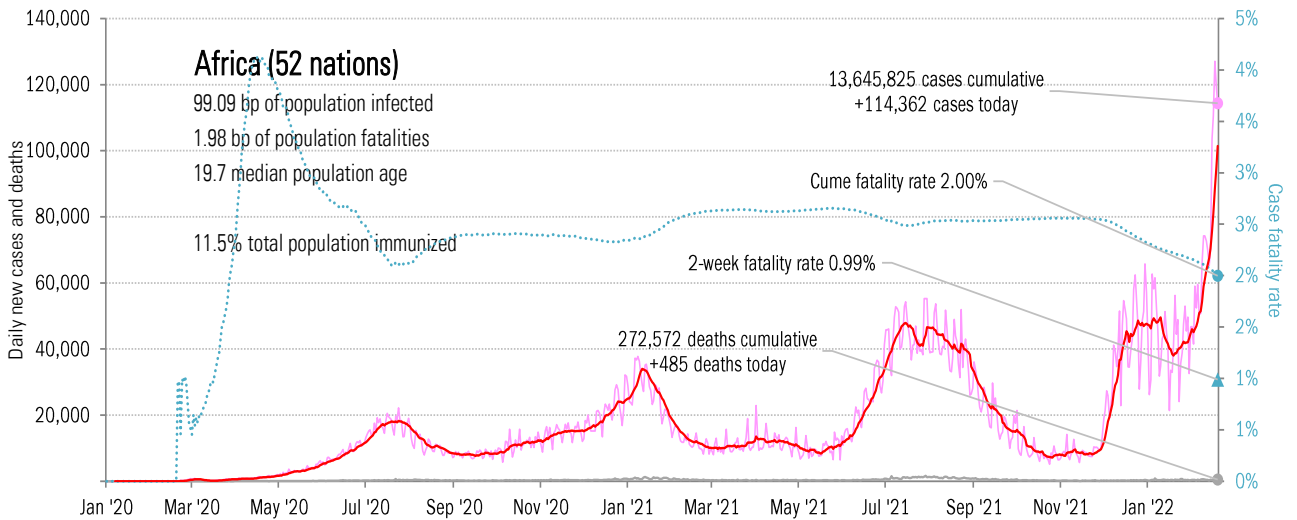
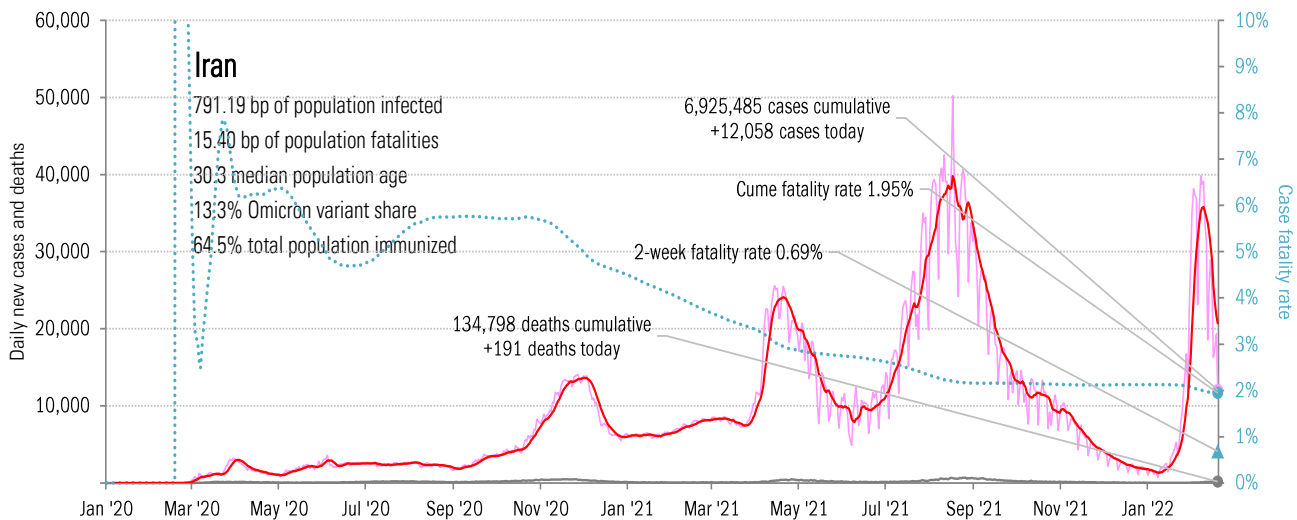
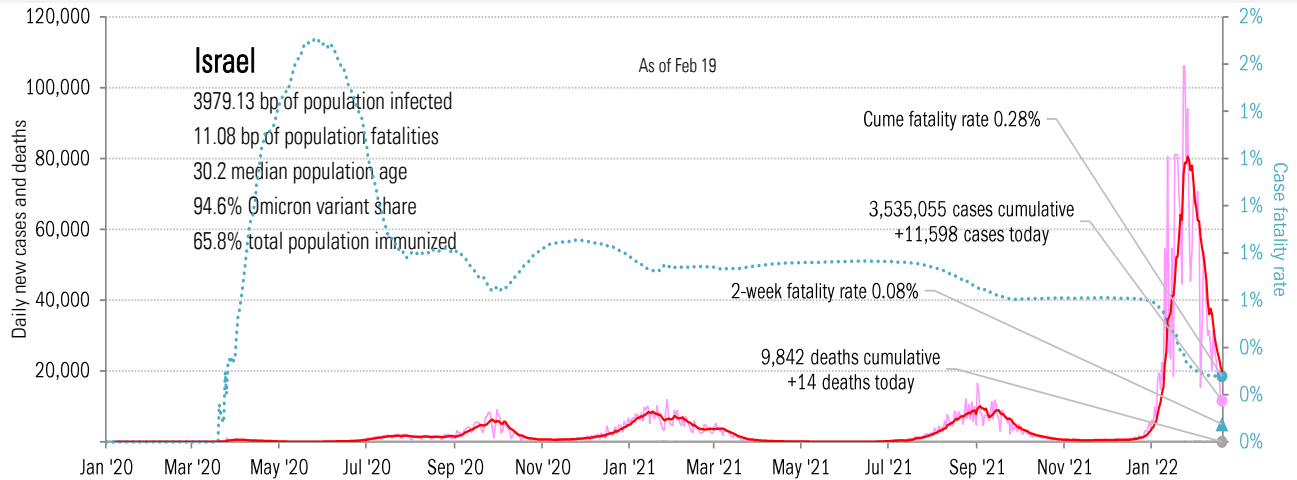
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

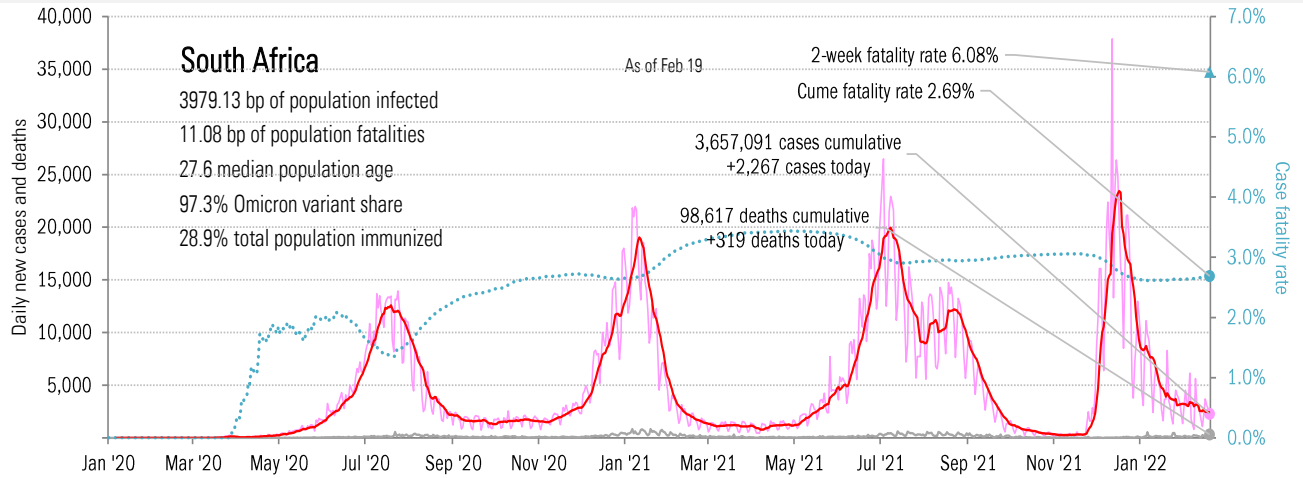
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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