

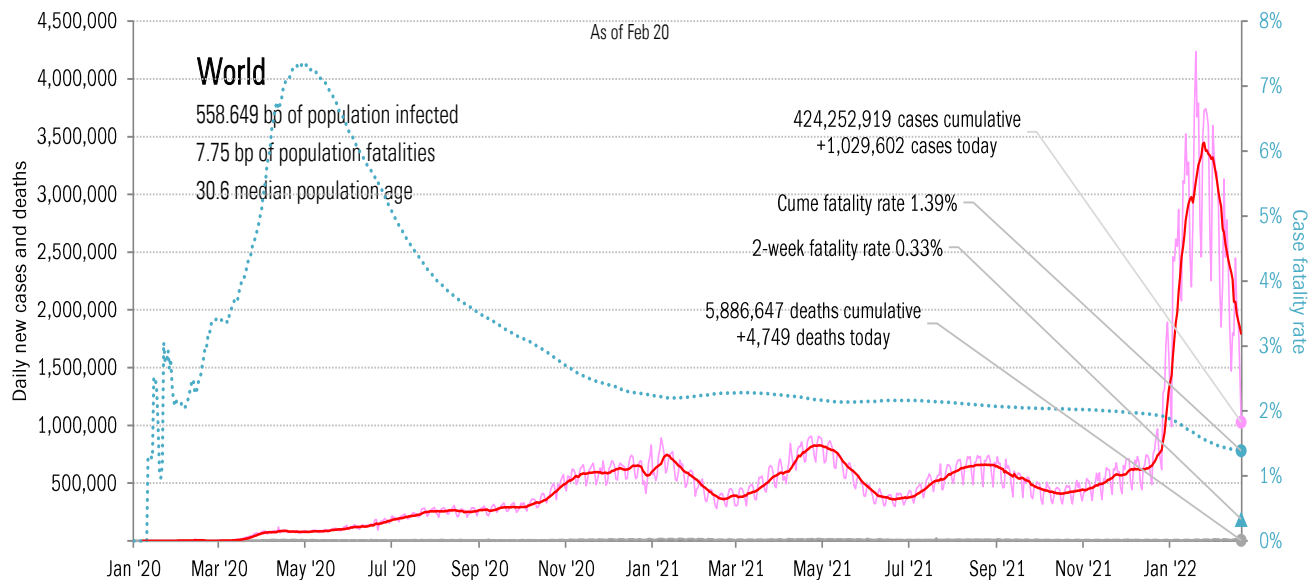
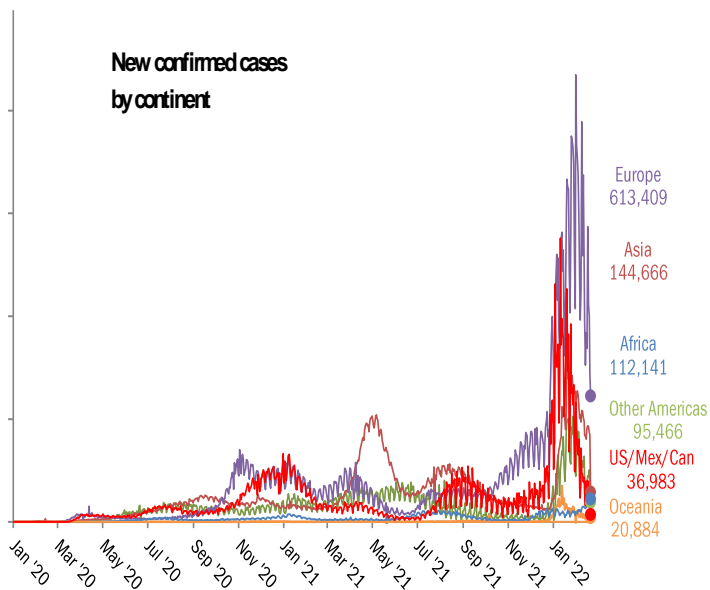
## Data Insights: Covid-2019 Monitor

Monday, February 21, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Russia	168,399	Russia	735
Korea, South	95,347	United States	574
Japan	71,494	Brazil	397
Turkey	70,355	Turkey	263
Germany	61,908	Iran	242
France	59,014	India	206
Austria	48,357	Peru	170
Vietnam	47,200	Mexico	163
Italy	42,202	Ukraine	162
Brazil	40,813	Japan	159
705,089		3,071	
World	1,029,602	World	4,749
Top ten	68%	Top ten	65%



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

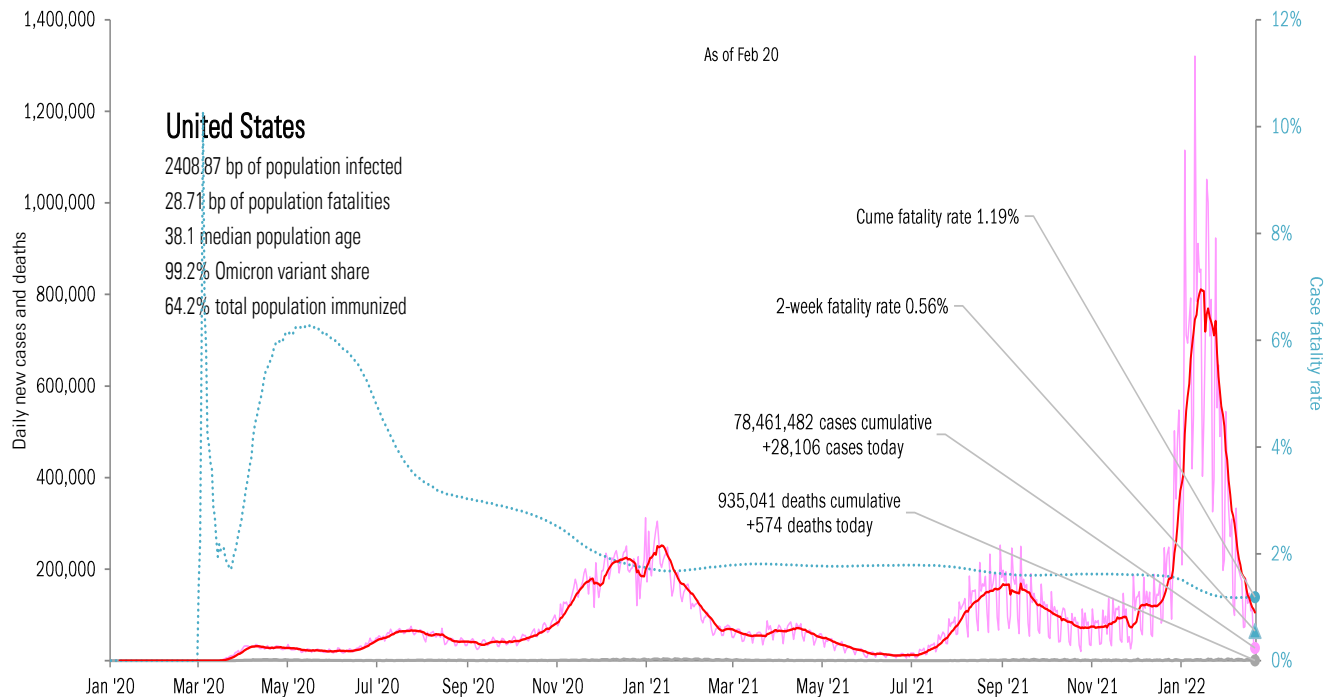
## The ten worst US states

New cases		New Deaths		New in hospital		Cum cases		Cum deaths		Cum in hospital		Hospital use		ICU use	
FL	6,053	FL	190	GA	24	CA	8,894,324	CA	84,002	TX	477,183	RI	90%	RI	93%
AZ	4,782	AZ	109	NY	15	TX	6,577,038	TX	83,718	CA	411,005	MD	88%	AL	92%
ME	4,597	PA	103	NJ	8	FL	5,801,054	FL	68,608	FL	405,823	MA	86%	TX	89%
CA	2,630	TX	70	IA	6	NY	4,908,315	NY	66,966	NY	239,589	WV	86%	DE	88%
NY	2,137	TN	69	KS	5	IL	3,013,709	PA	42,789	GA	199,781	MN	84%	NM	86%
TX	1,660	CA	56	RI	5	PA	2,744,145	CH	35,493	CH	186,813	GA	83%	NV	86%
PA	1,393	NY	27	VT	5	CH	2,644,828	GA	34,757	PA	171,821	WA	83%	MS	85%
MD	1,089	MD	8	CT	4	NC	2,559,793	IL	34,732	IL	153,158	MO	82%	CK	85%
CH	899	HI	4	MD	4	GA	2,451,908	MI	33,998	MI	137,369	PA	82%	NC	84%
AR	803	FR	4	DC	3	MI	2,343,162	NJ	32,647	KY	137,367	DE	81%	GA	83%
26,043		640		79		41,938,276		517,710		2,519,909					
All states	28,106	574		-920		All states	78,461,482	935,041		4,568,885		All states	70%	67%	
Top ten	93%	111%		-9%		Top ten	53%	55%		55%		Median	77%	76%	

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-6,515	TX	-131	KY	-97	AR	+10 bp
TN	-3,565	WA	-93	CR	-24	AZ	+10 bp
PA	-2,884	AL	-56	ID	-18	DE	+10 bp
IA	-1,757	ME	-50	NE	-16	IL	+10 bp
ID	-1,141	DE	-35	DE	-14	IN	+10 bp

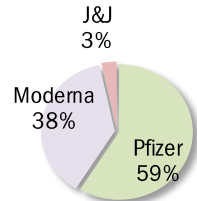


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# 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%
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>
Total population	260,402,463	78%	220,949,703	66%	+0.146 million
Age 12 to 17	17,232,772	68%	14,646,241	58%	+0.015 million
Age 18 to 64	175,597,844	86%	149,919,076	79%	+0.077 million
Age 65 and over	58,158,285	100%	58,158,285	100%	0

The CDC did not update vaccination today due to the holiday.



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



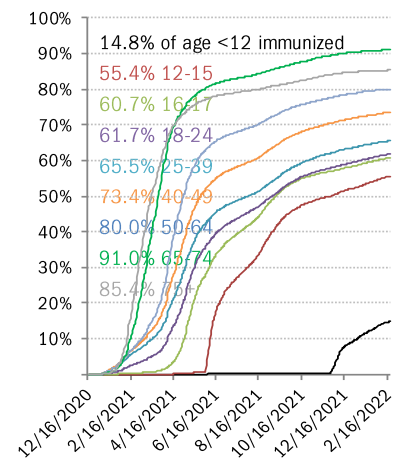
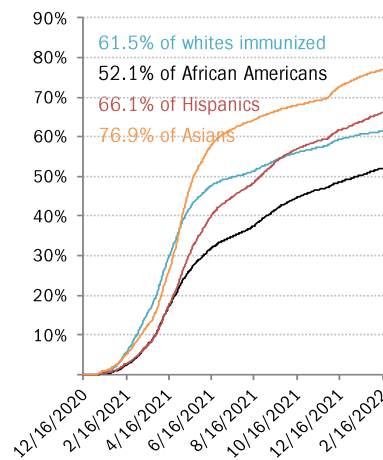
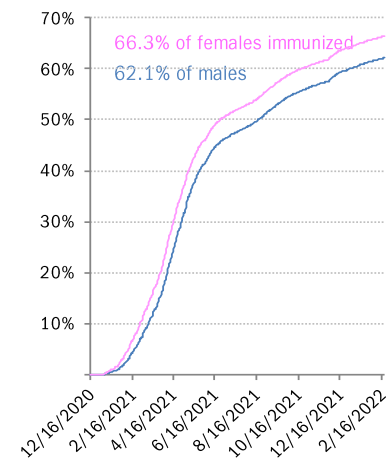
France	77.1%	80.0%
Spain	82.1%	87.7%
Germany	74.2%	75.4%
Italy	77.8%	83.7%
Australia	79.0%	85.0%
Israel	65.8%	72.1%
Canada	80.4%	85.3%
Japan	79.3%	80.6%
Africa	11.5%	16.8%
India	54.2%	68.8%
Brazil	71.3%	81.5%
China	85.1%	87.7%

Global data differs due to sources, timing

As of Feb 19

AK 68.4% 60.8%	WI 70.9% 64.4%	ME 89.1% 78.2%								
WA 79.5% 71.2%	ID 60.1% 52.9%	MT 64.4% 55.8%	ND 64.4% 54.3%	MN 74.2% 67.9%	IL 75.8% 67.1%	MI 65.9% 59.0%	NY 88.6% 75.2%	VT 92.7% 80.0%	NH 95.0% 69.6%	
OR 76.8% 68.5%	NV 73.8% 59.5%	WY 57.9% 50.5%	SD 74.7% 59.7%	IA 67.1% 60.9%	IN 60.5% 53.9%	OH 62.7% 57.4%	PA 83.0% 66.7%	NJ 88.6% 74.0%	MA 95.0% 77.4%	
CA 81.5% 70.1%	UT 71.1% 63.1%	CO 78.2% 69.0%	NE 69.2% 62.3%	MO 65.2% 54.9%	KY 65.2% 56.3%	WV 64.1% 56.6%	VA 84.3% 71.7%	MD 84.6% 73.7%	CT 93.6% 77.5%	RI 95.0% 80.3%
AZ 71.2% 59.8%	NM 85.6% 69.3%	KS 73.2% 59.9%	AR 65.6% 53.3%	TN 61.2% 53.4%	NC 82.0% 59.1%	SC 66.2% 55.5%	DC 94.7% 71.1%	DE 81.5% 67.3%		
OK 69.8% 55.8%	LA 60.0% 52.4%	MS 58.6% 50.7%	AL 61.7% 50.0%	GA 64.2% 53.4%	TX 70.6% 59.7%	FL 77.8% 65.7%	PR 94.8% 80.8%			
HI 86.0% 76.9%										

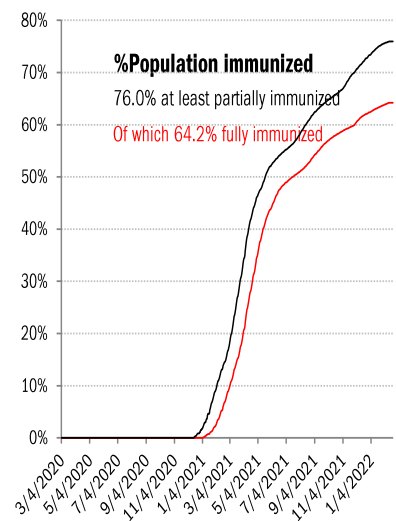
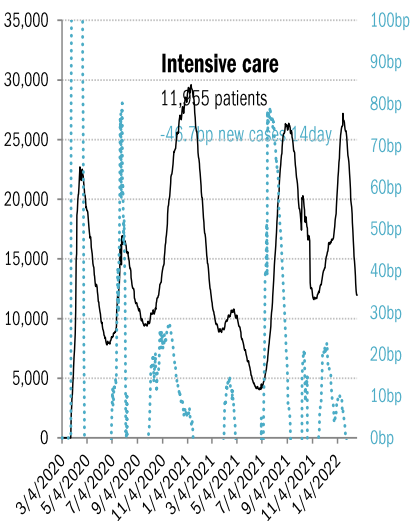
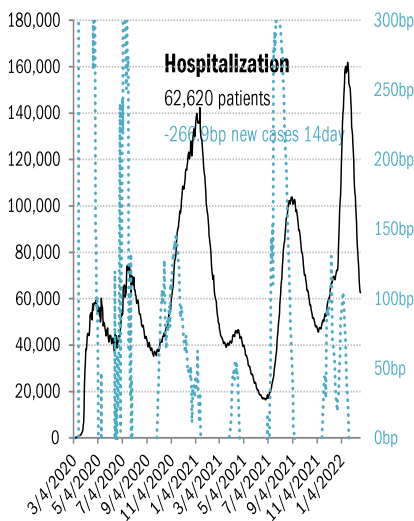
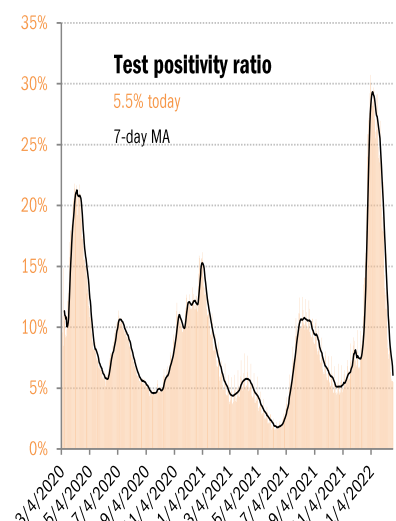
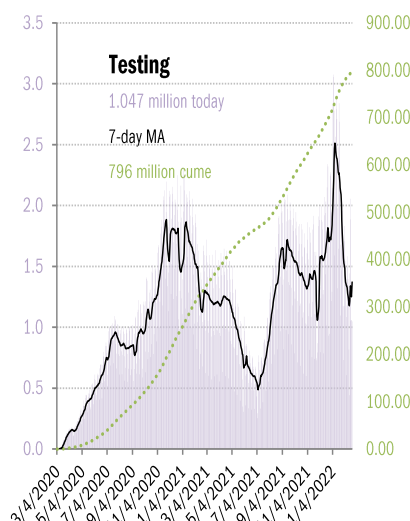
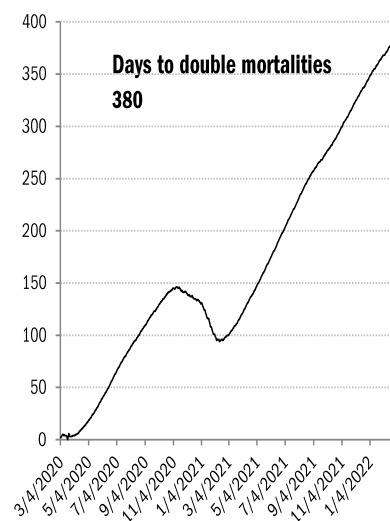
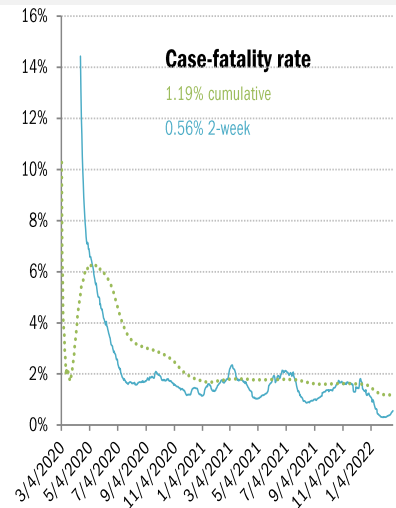
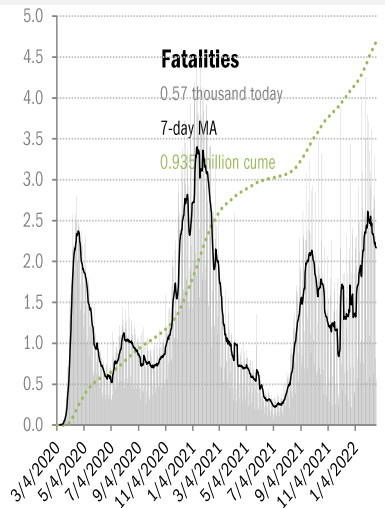
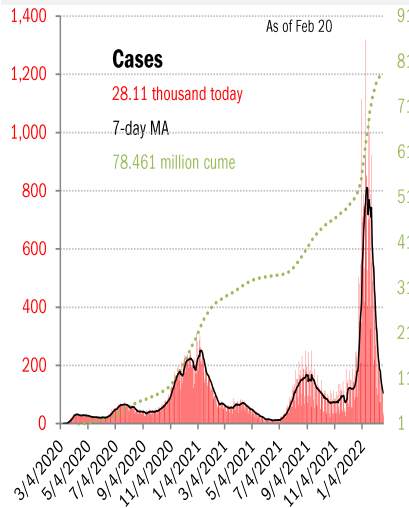
## The demographics of US vaccination



Source: CDC, CDC, Our World in Data, TrendMacro calculations

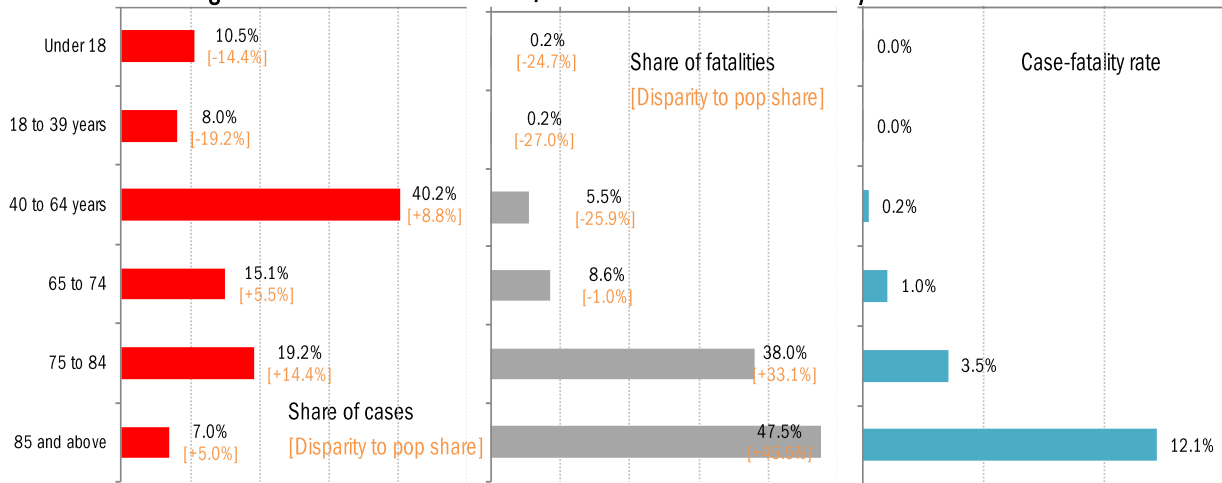
# US deep-dive

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

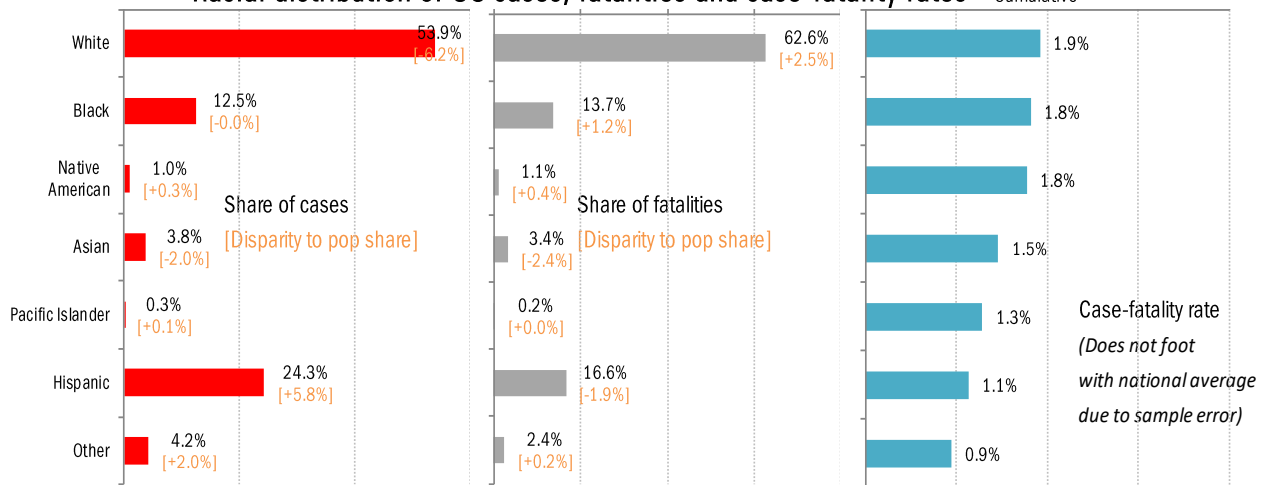


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

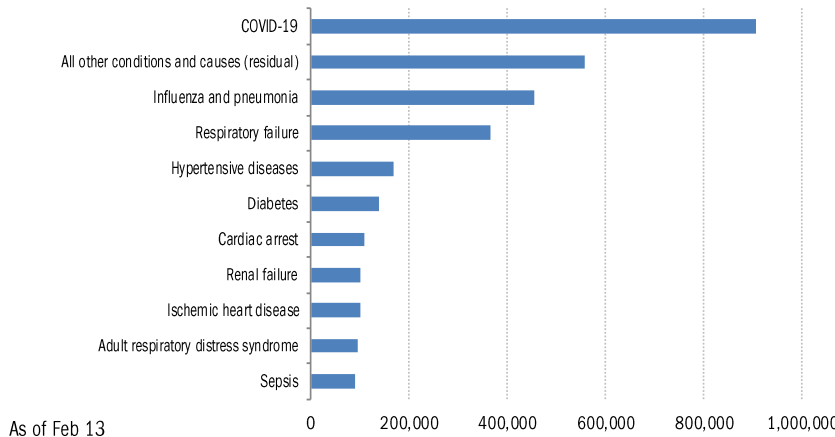


Racial distribution of US cases, fatalities and case-fatality rates



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.

## Recommended reading

[Wuhan's 'Batwoman' Advises a U.S. Taxpayer-Funded Group Which Lobbies Congress for Lower Standards for Foreign BioLabs.](#)

Natalie Winters  
*National Pulse*  
February 18, 2022

[The C.D.C. Isn't Publishing Large Portions of the Covid Data It Collects](#)

Apoorva Mandavilli  
*New York Times*  
February 20, 2022

## Meme of the day



The word has become common among far-right groups, experts say.

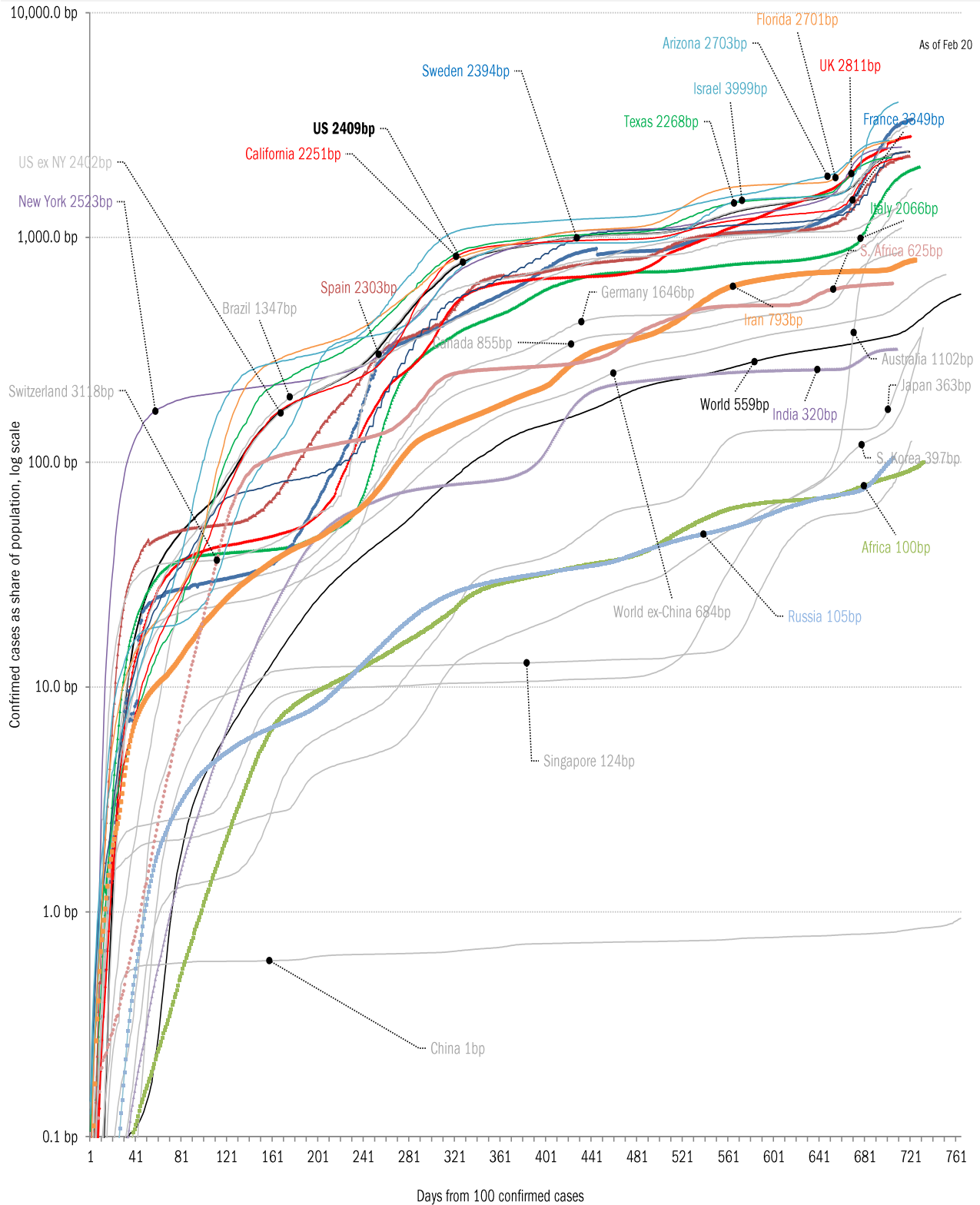


cbc.ca

Why the word 'freedom' is such a useful rallying cry for protesters | CBC Radio

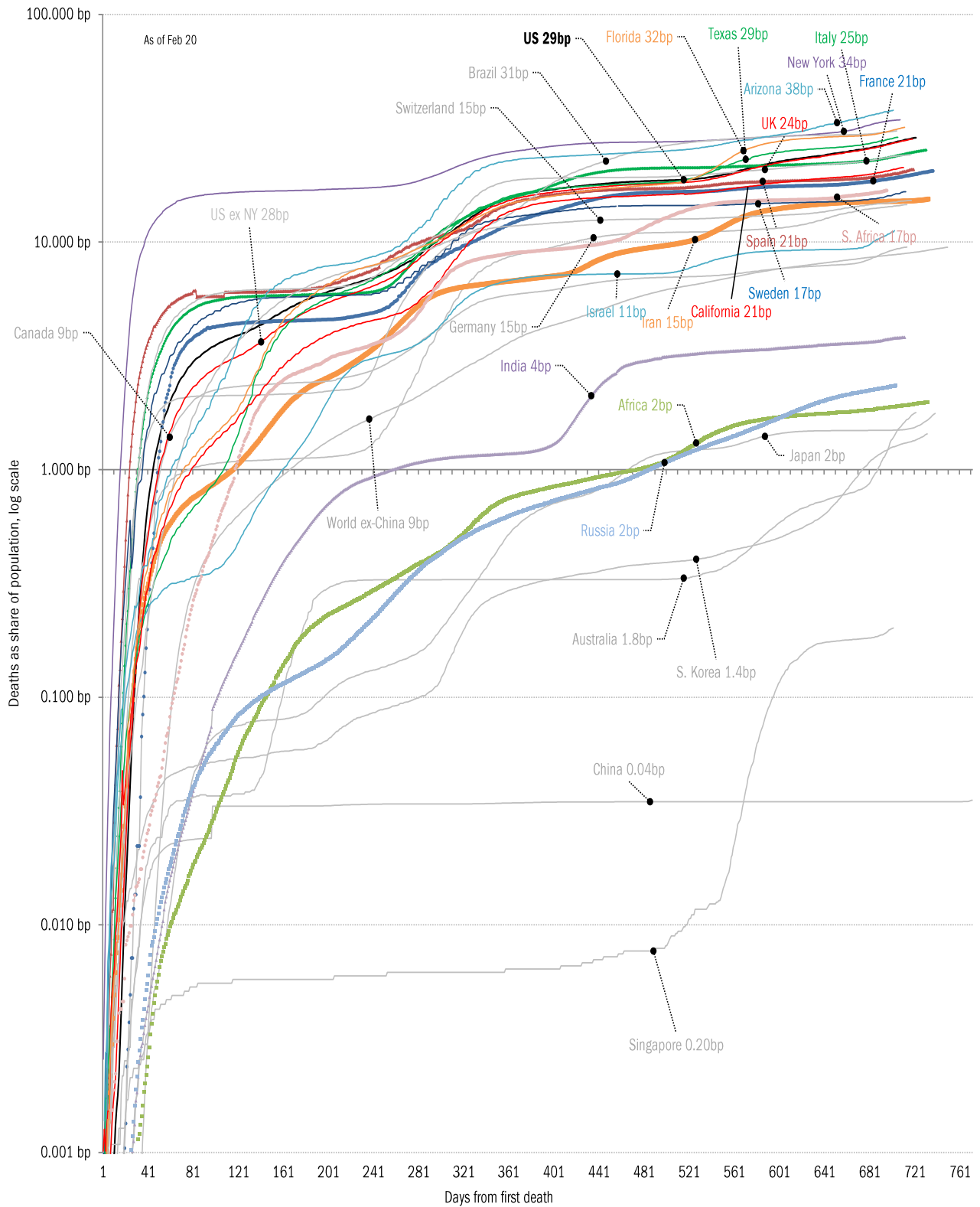
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



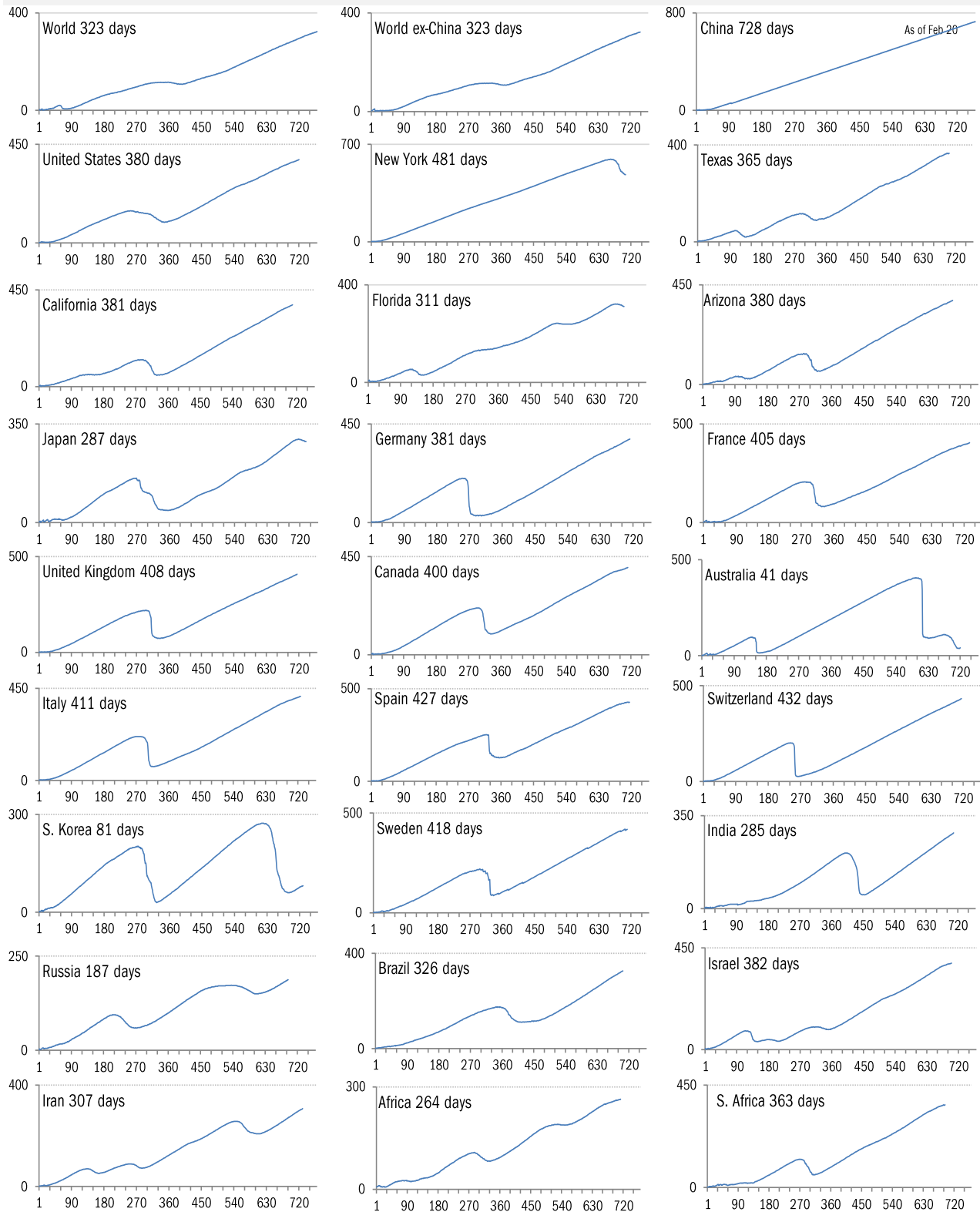
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

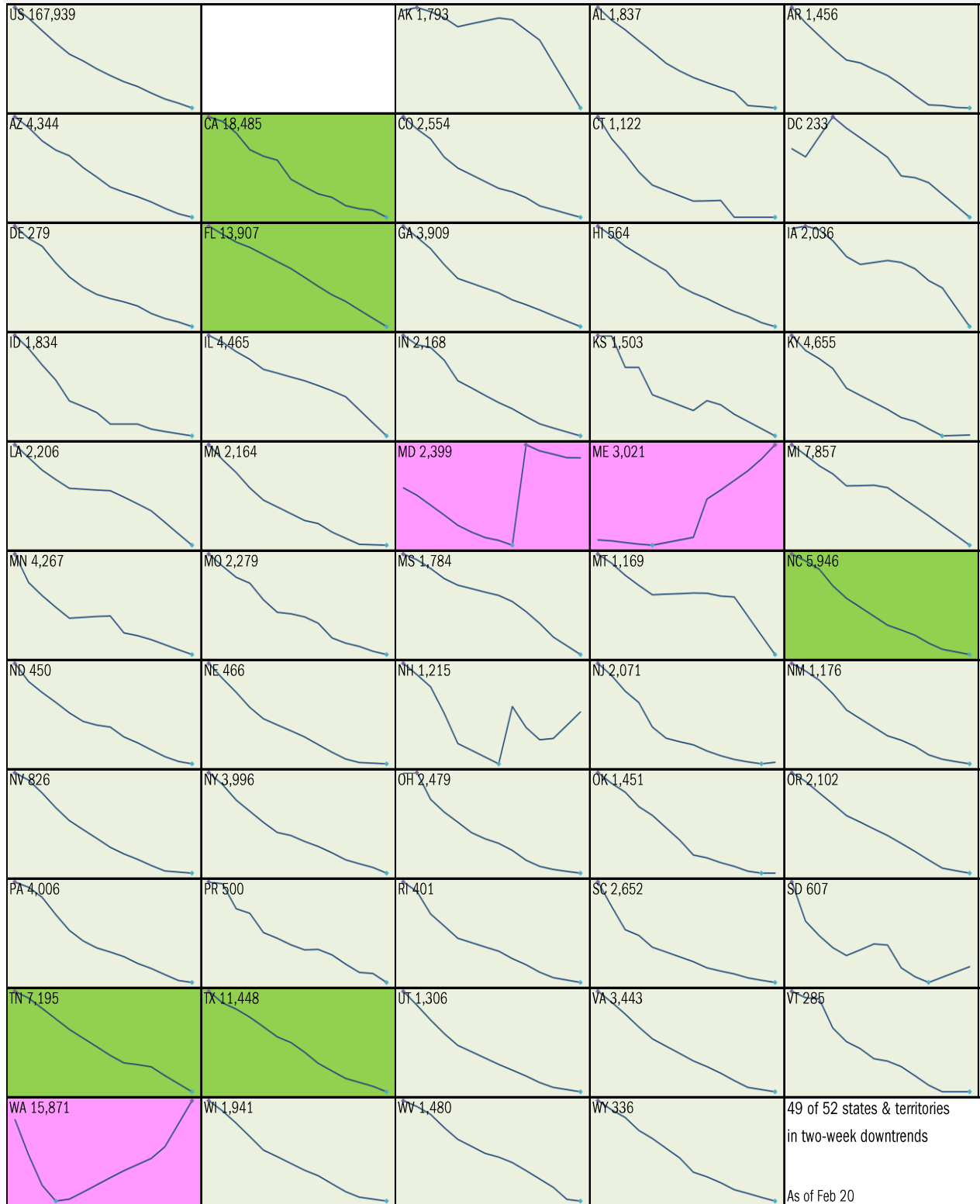


Source: [Johns Hopkins](#), TrendMacro calculations

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

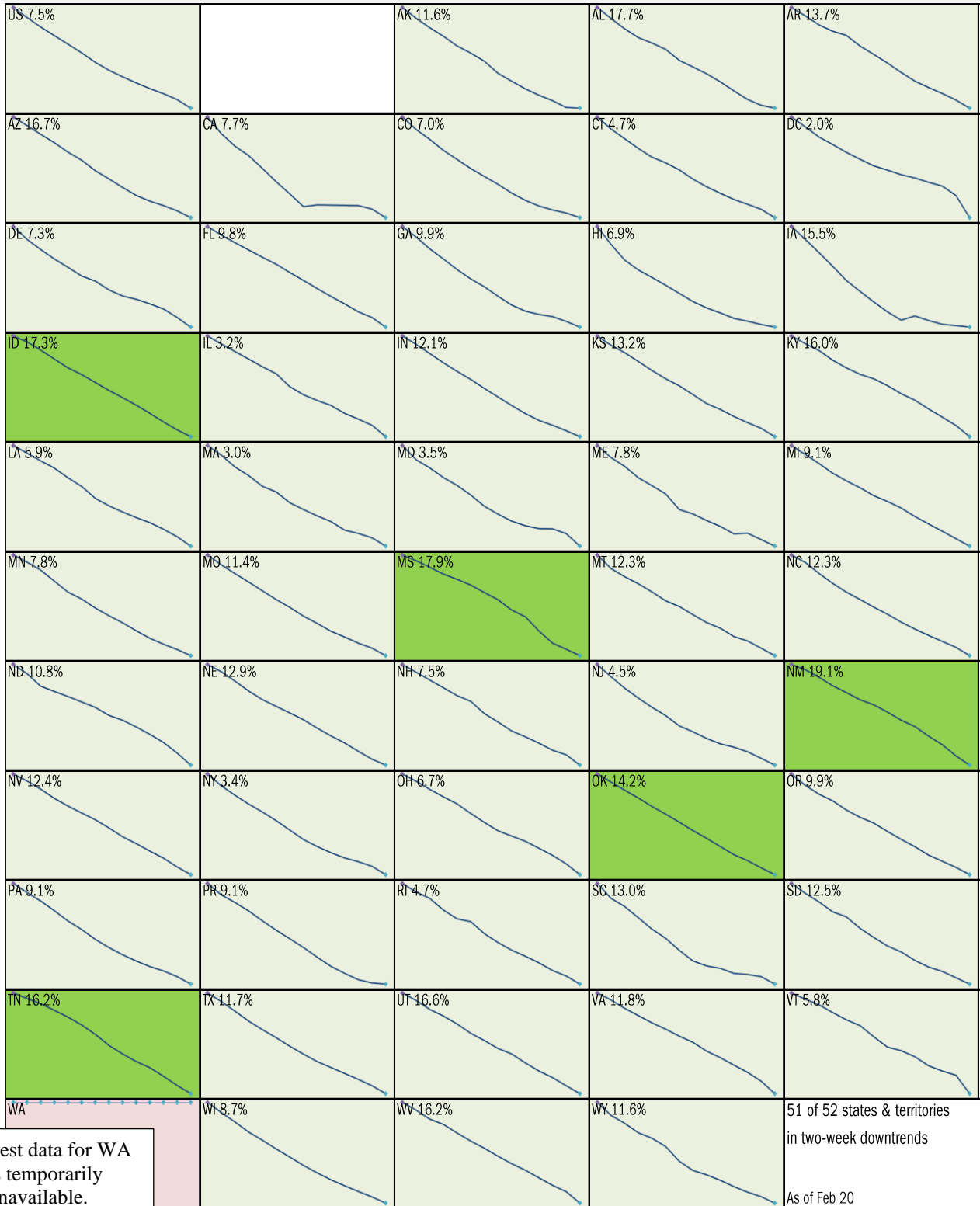


Source: [Johns Hopkins](#), TrendMacro calculations

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



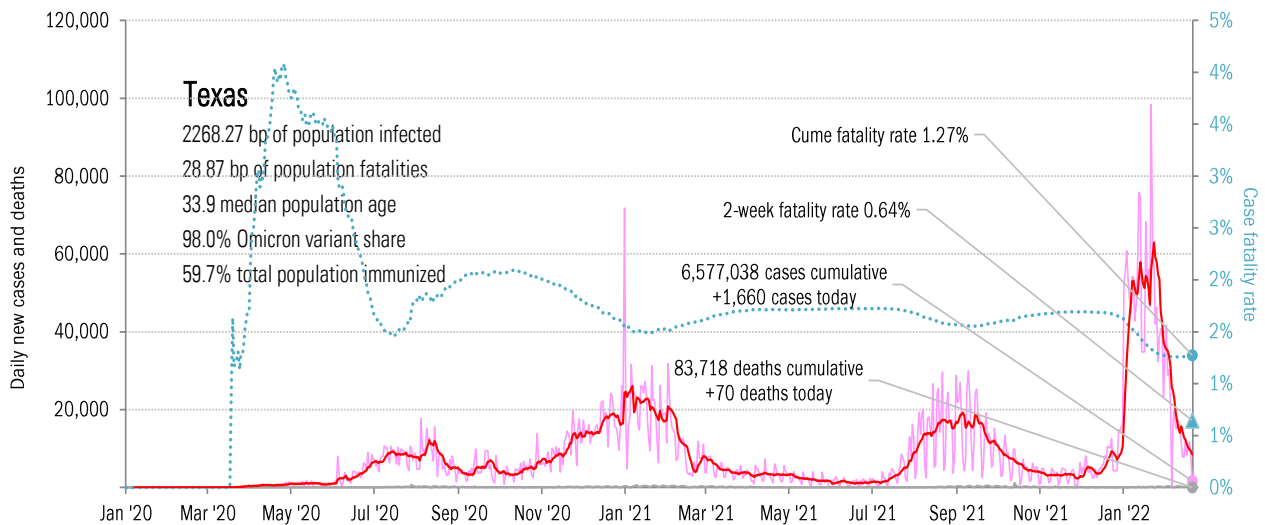
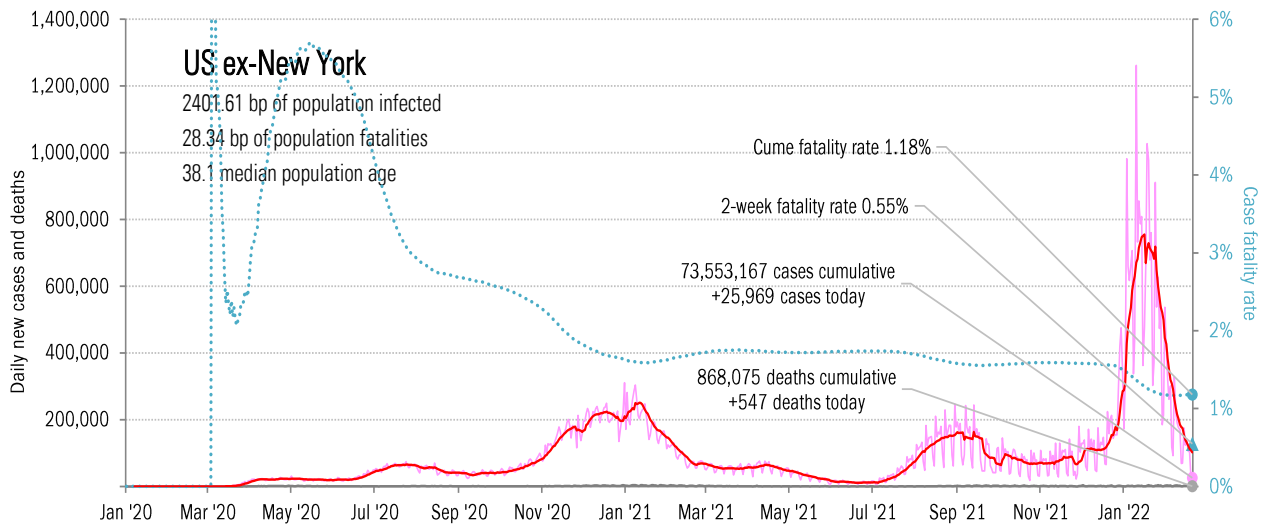
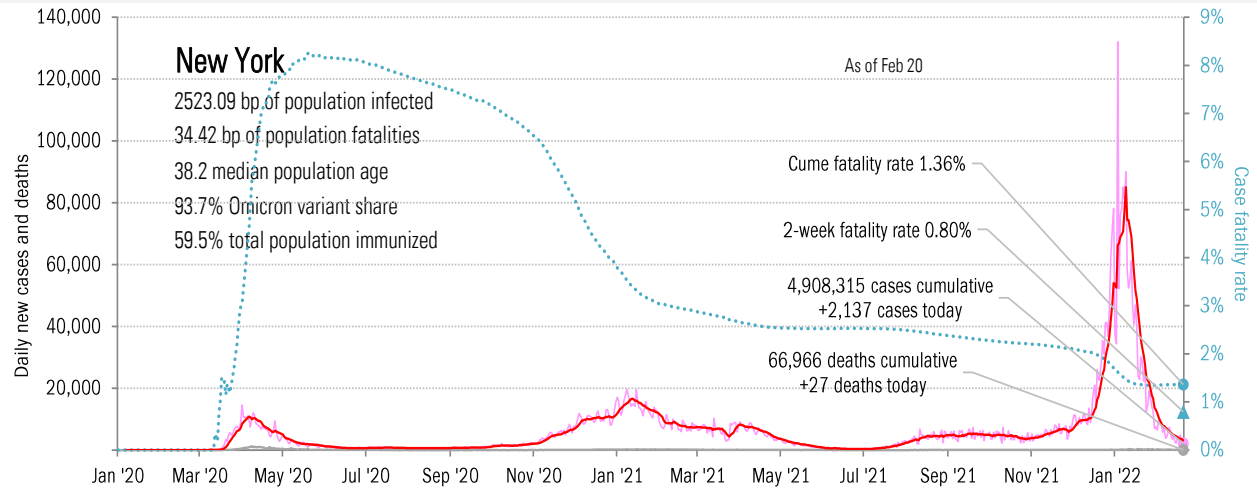
Test data for WA is temporarily unavailable.

51 of 52 states & territories in two-week downtrends  
As of Feb 20

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

# From Ground Zero to the Rio Grande

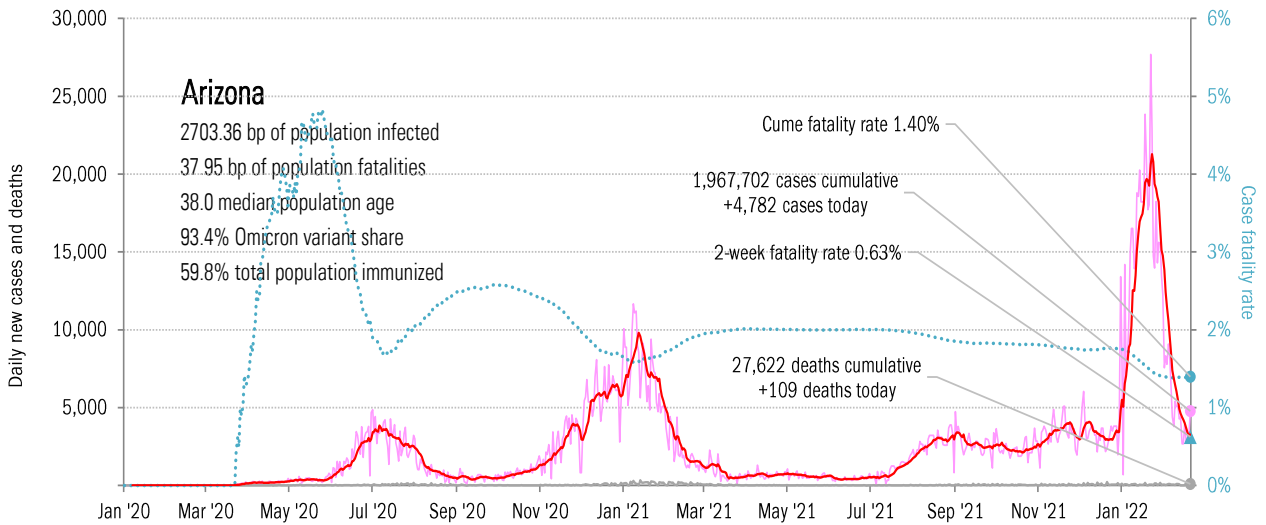
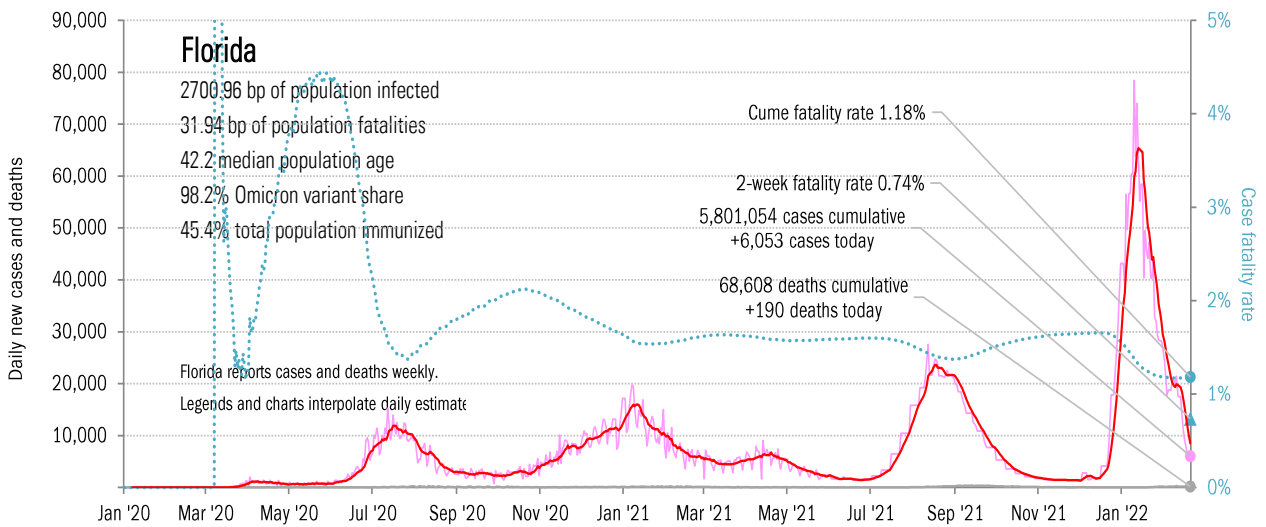
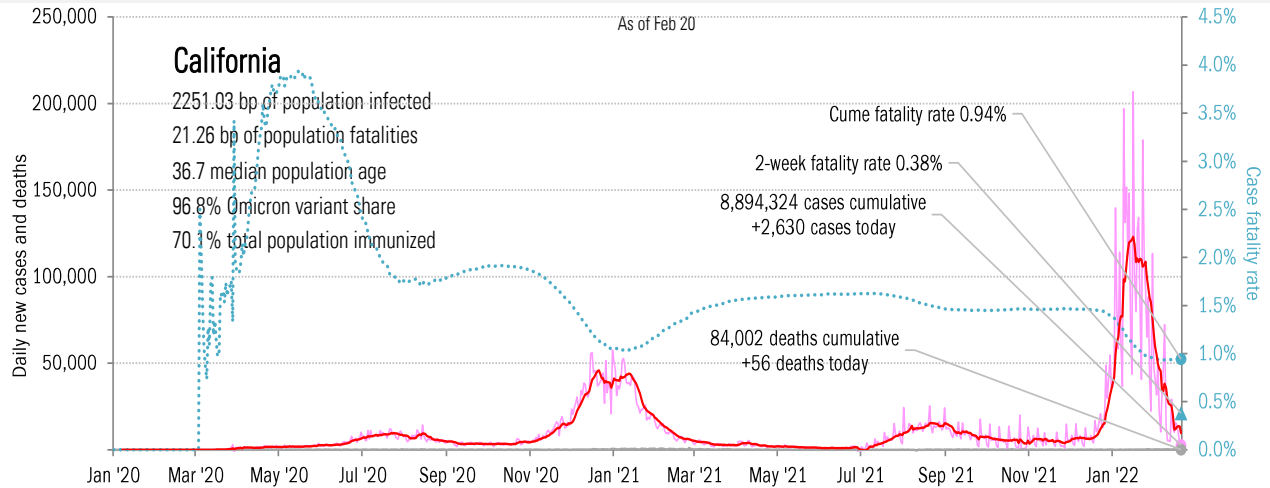
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

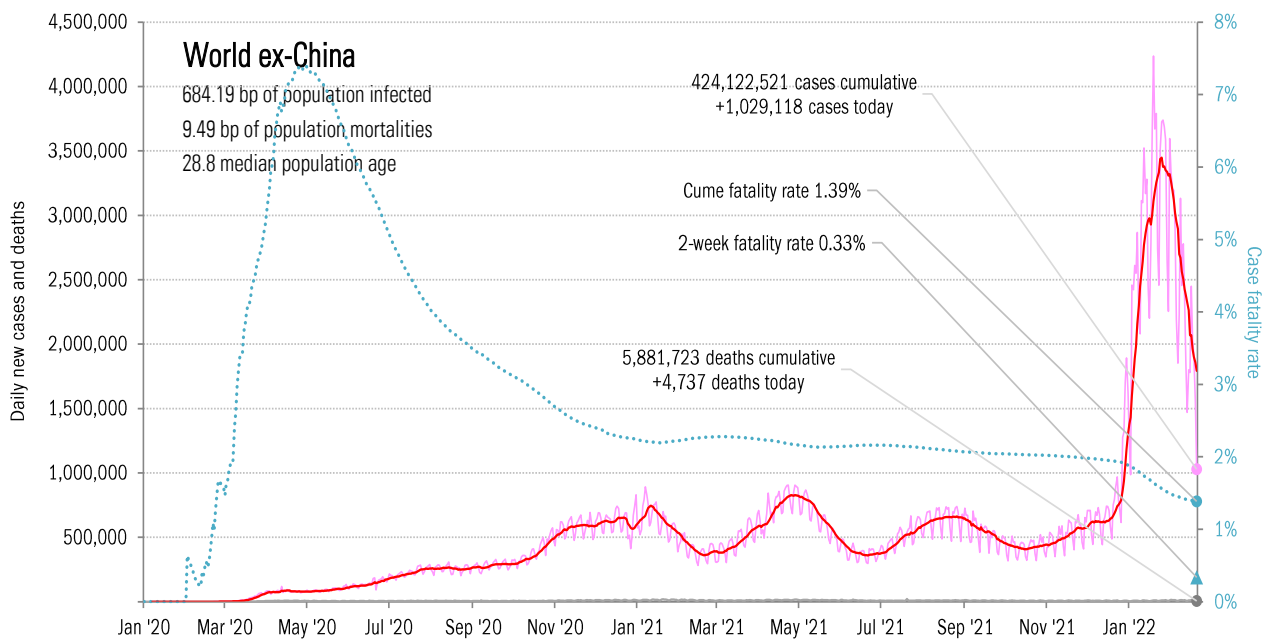
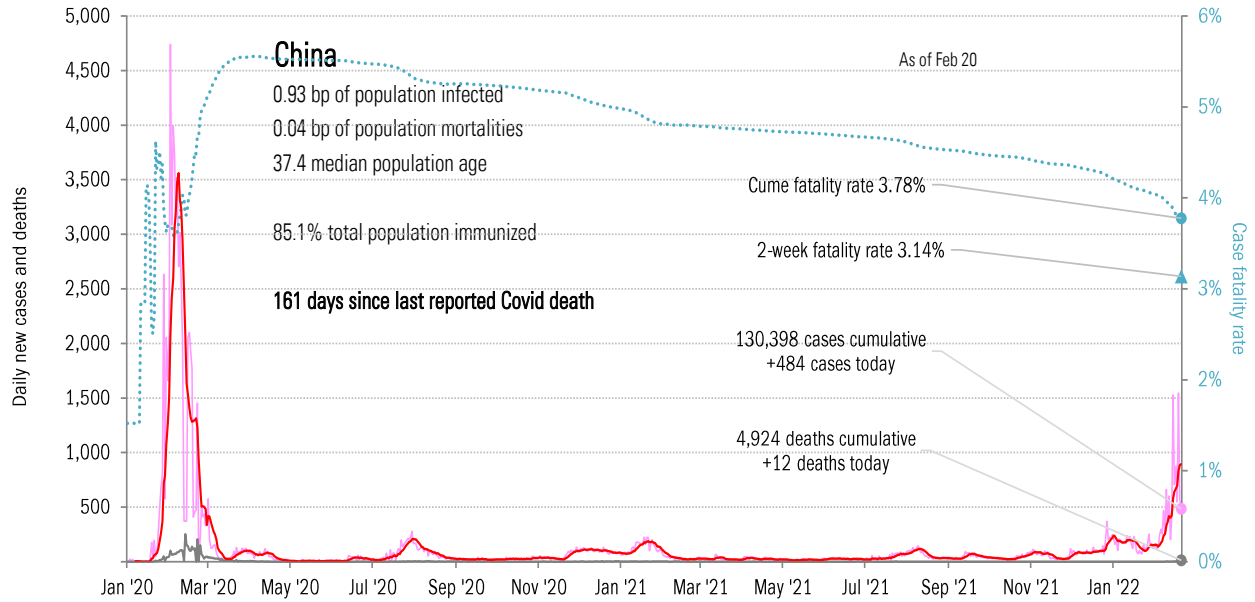
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

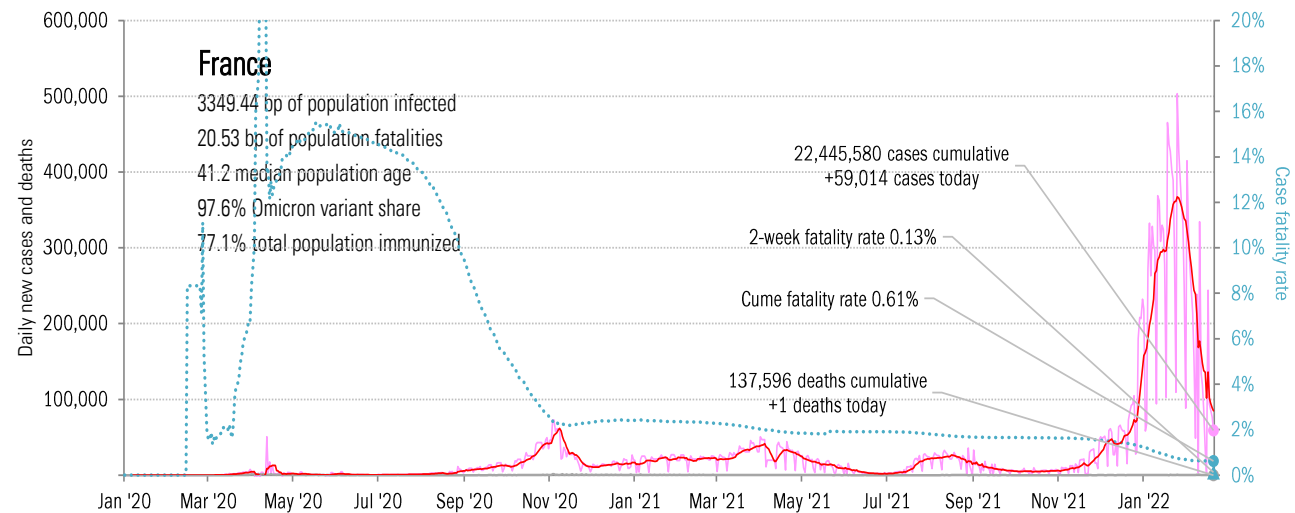
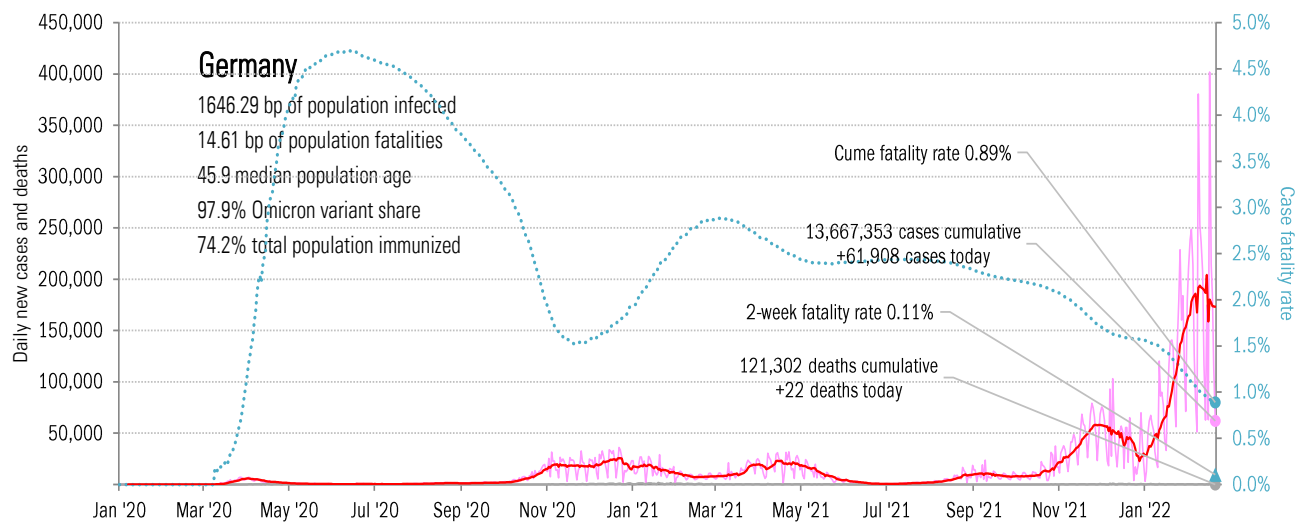
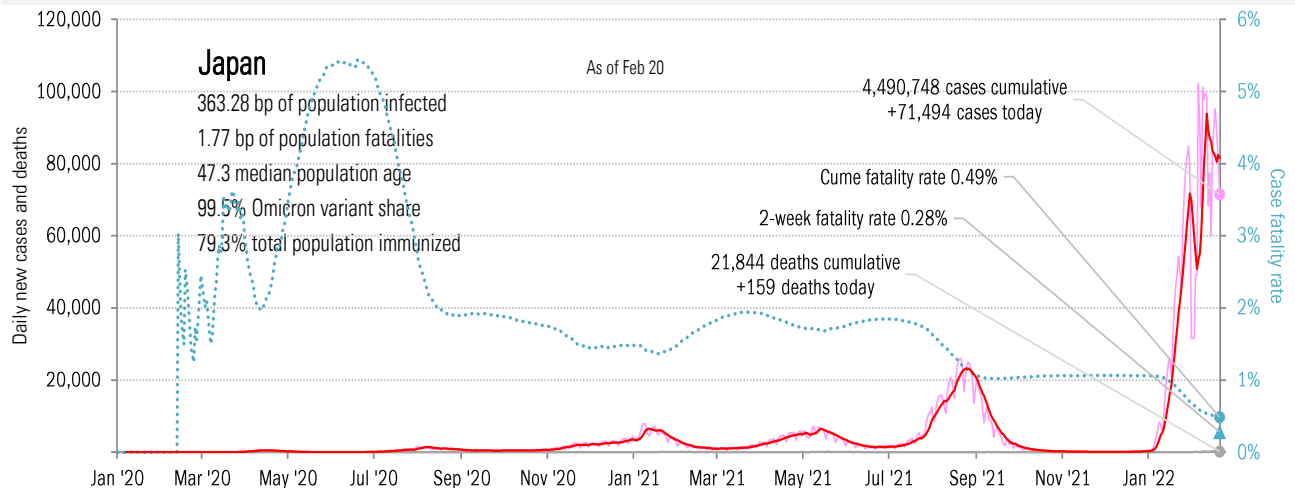
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

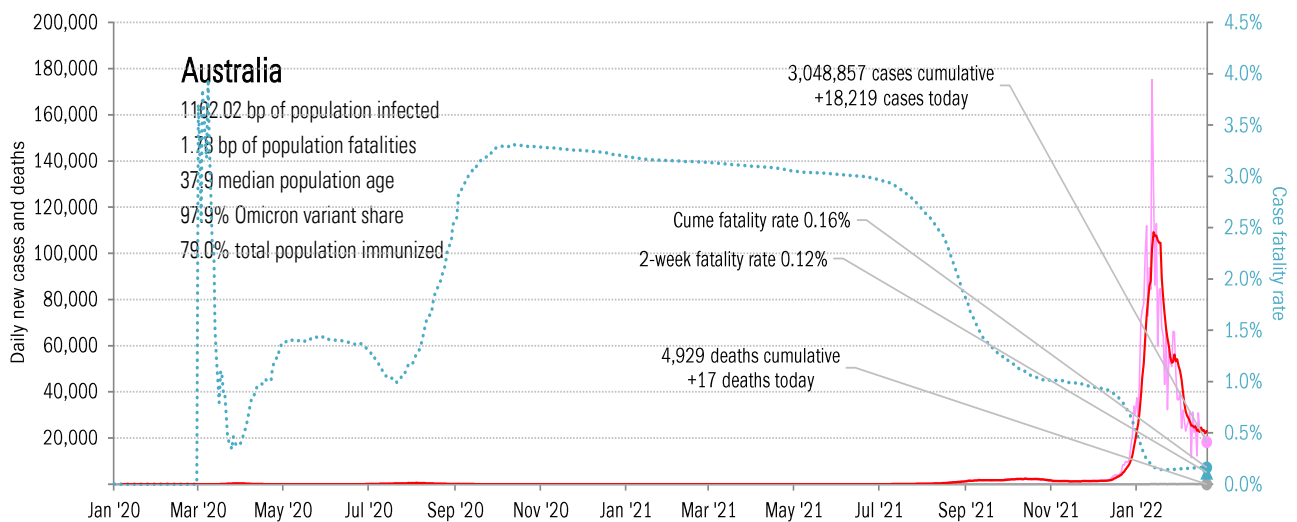
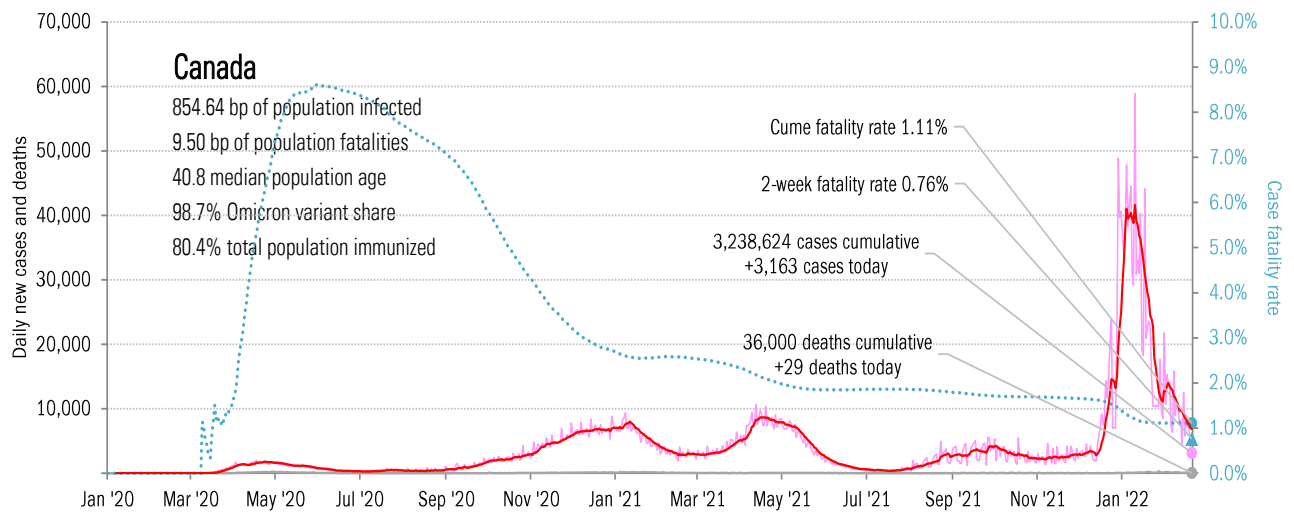
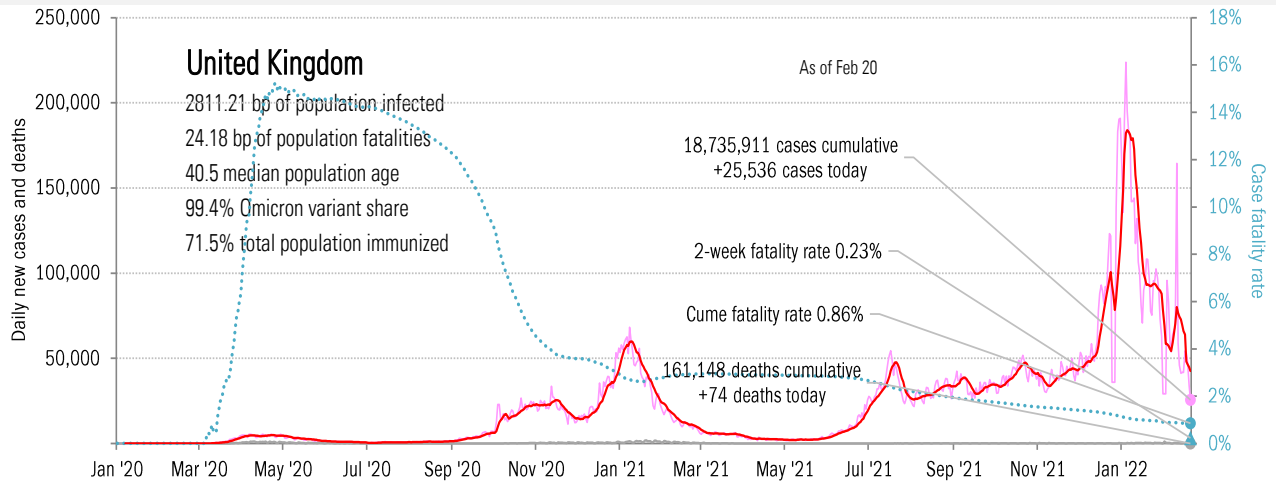
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

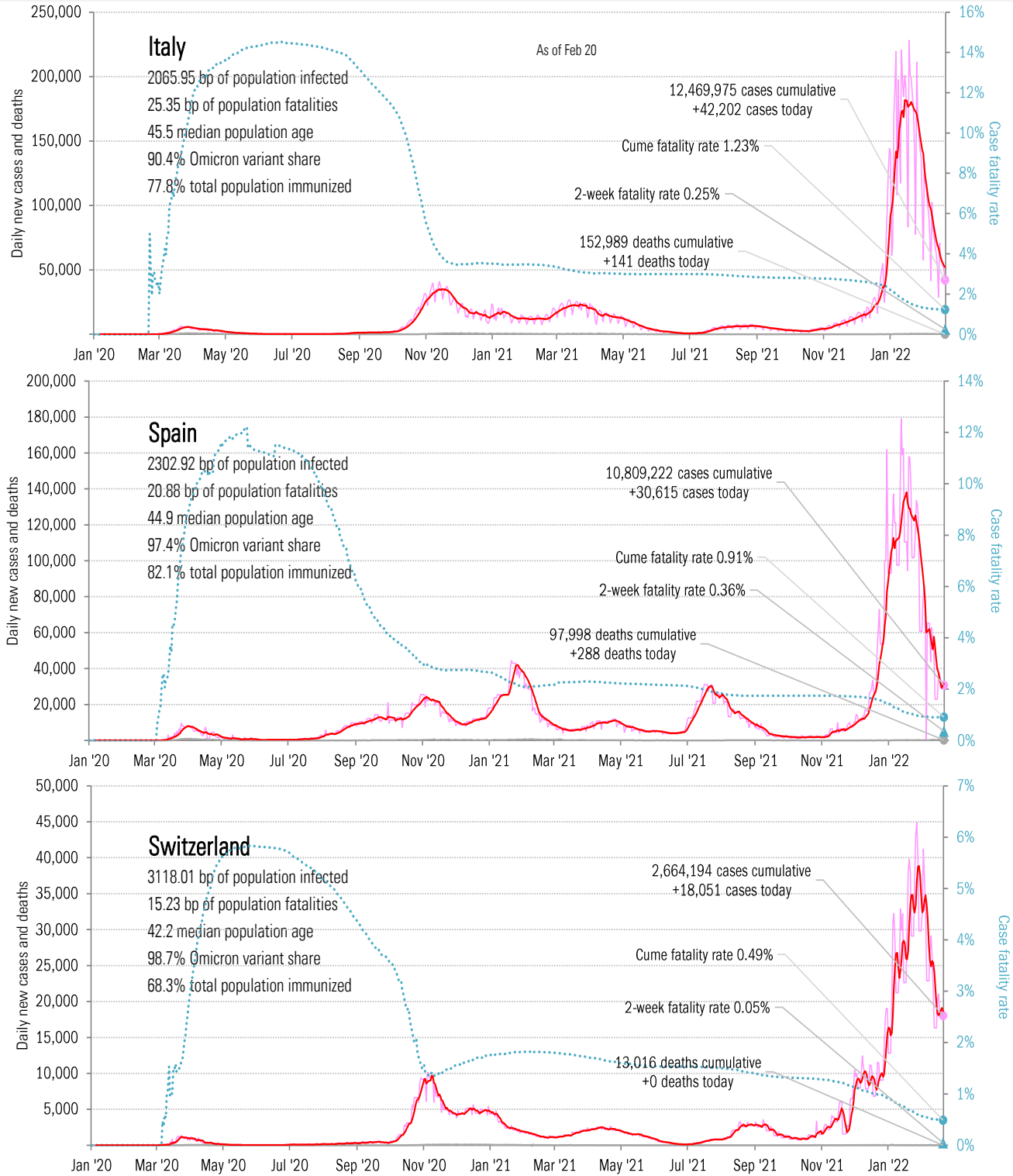


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

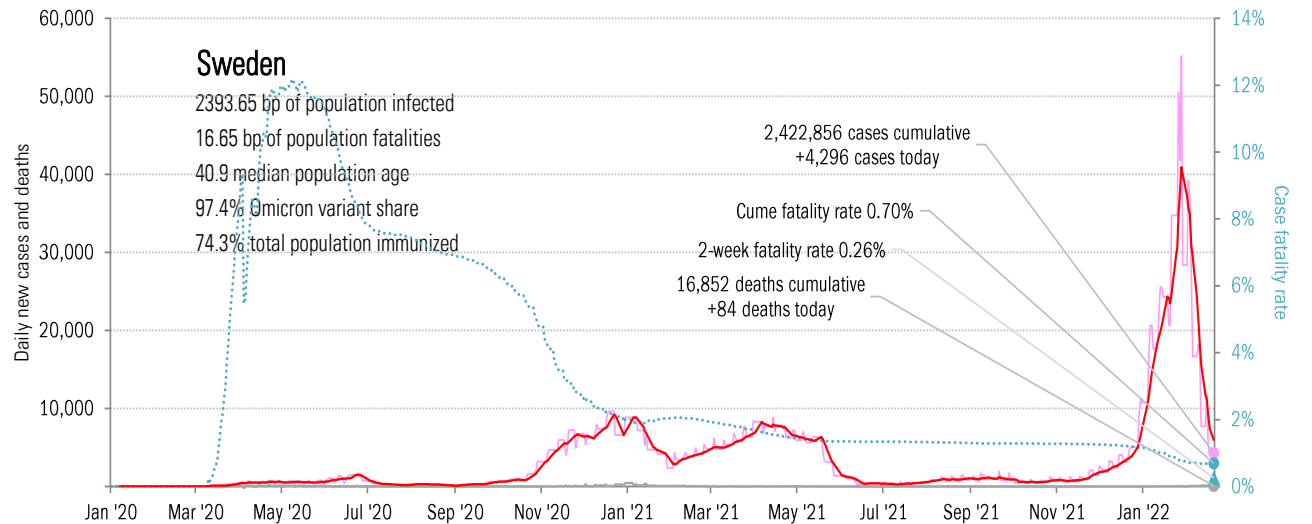
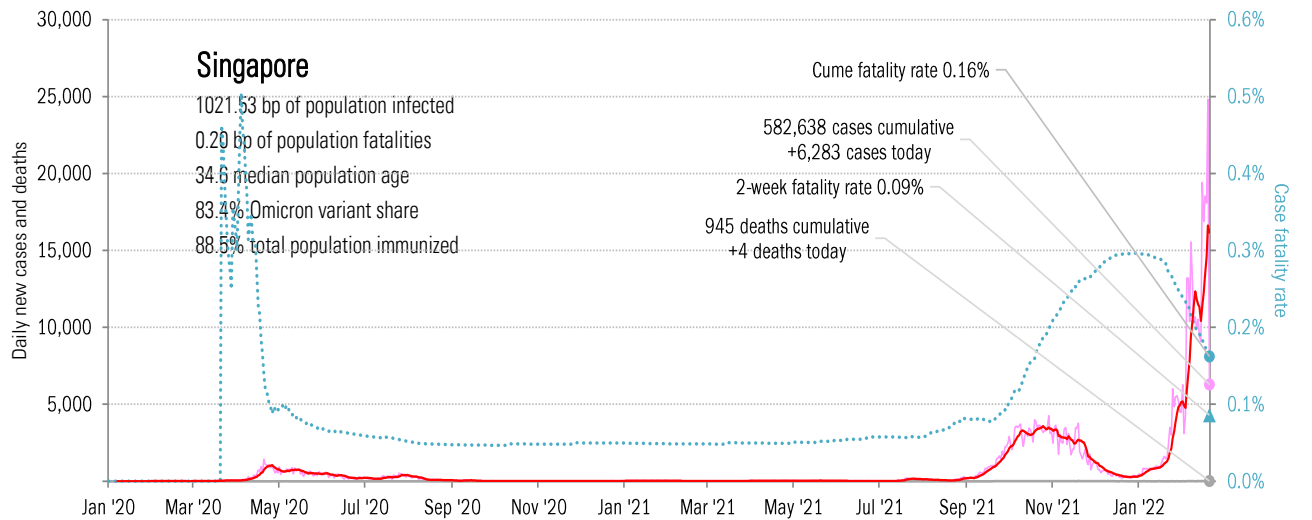
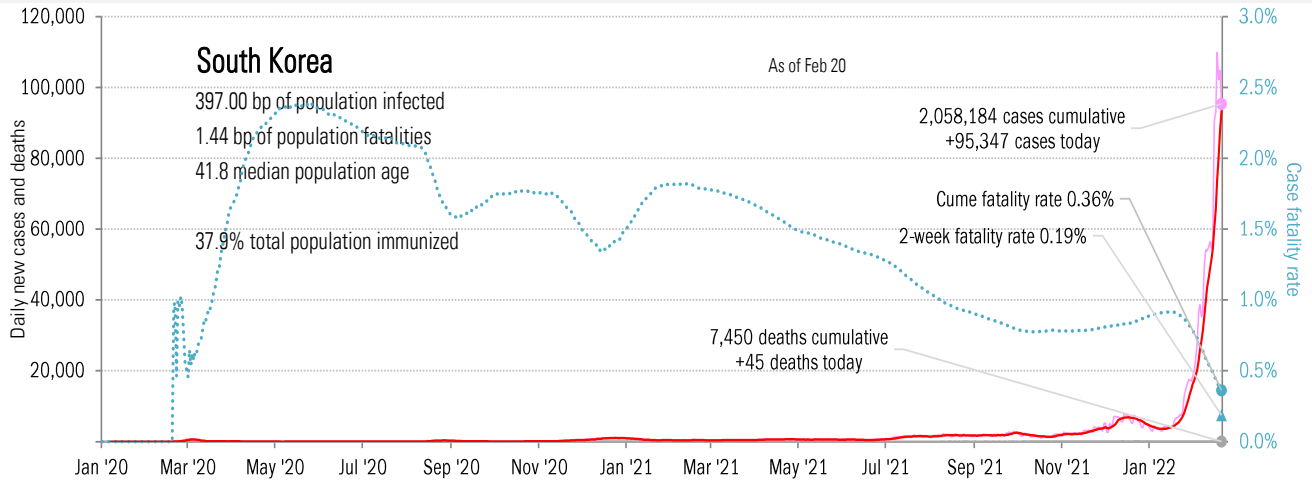
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

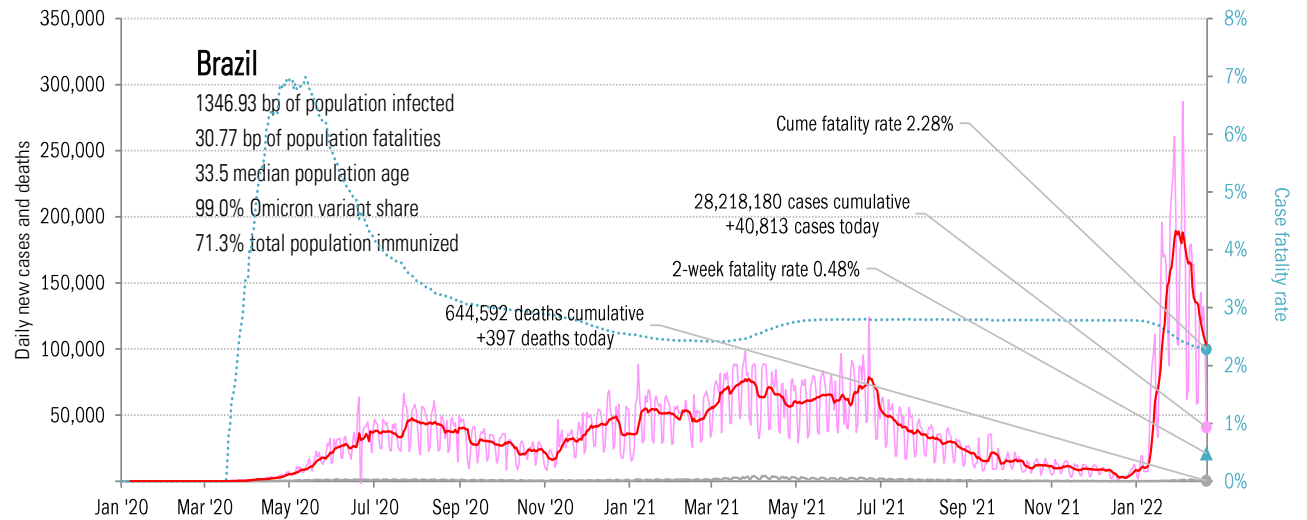
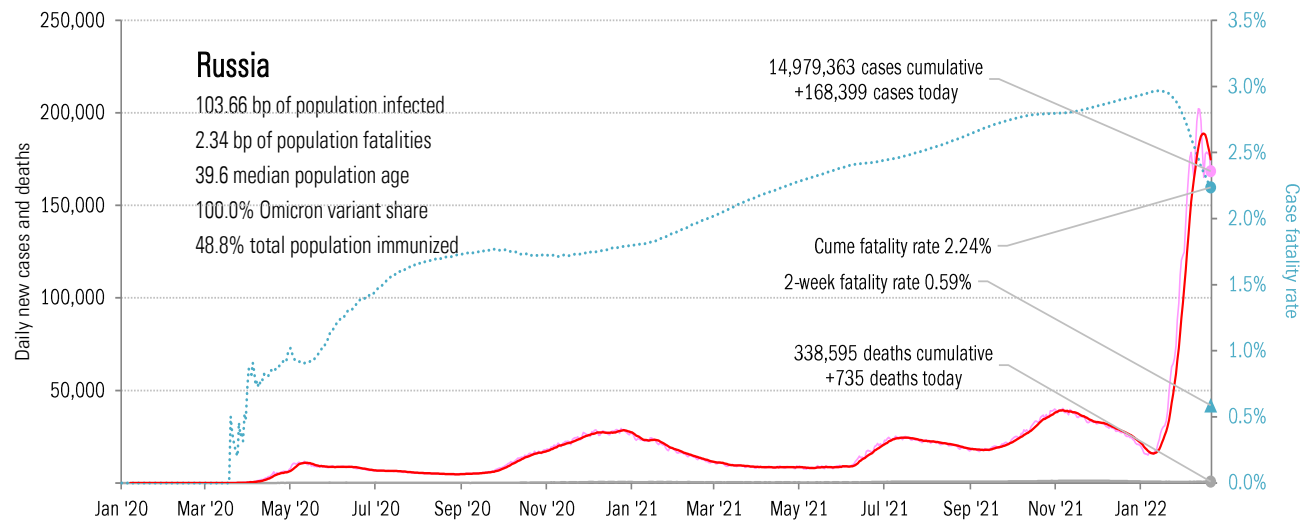
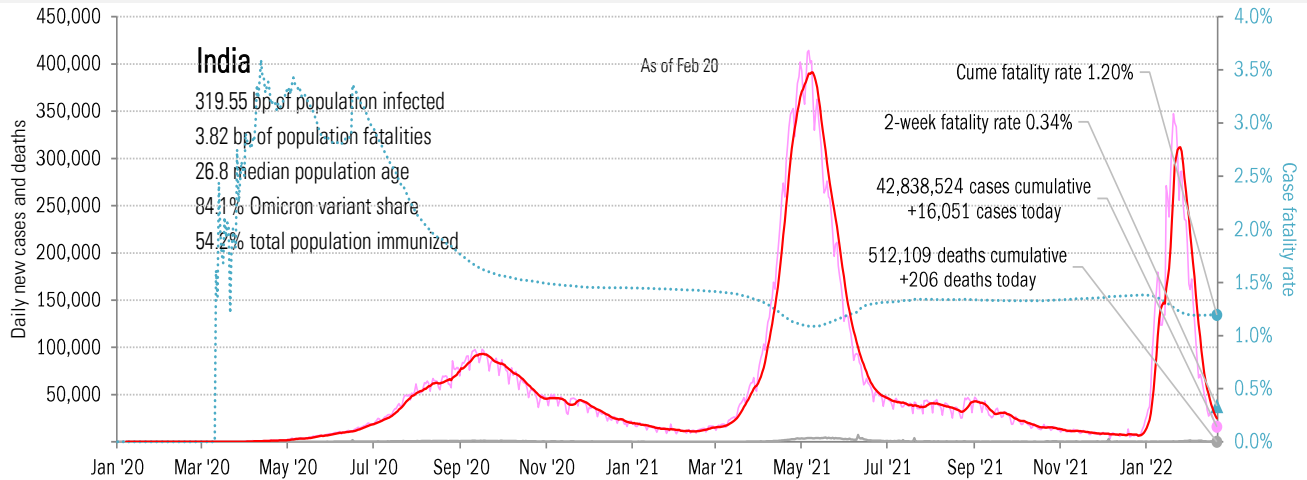
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

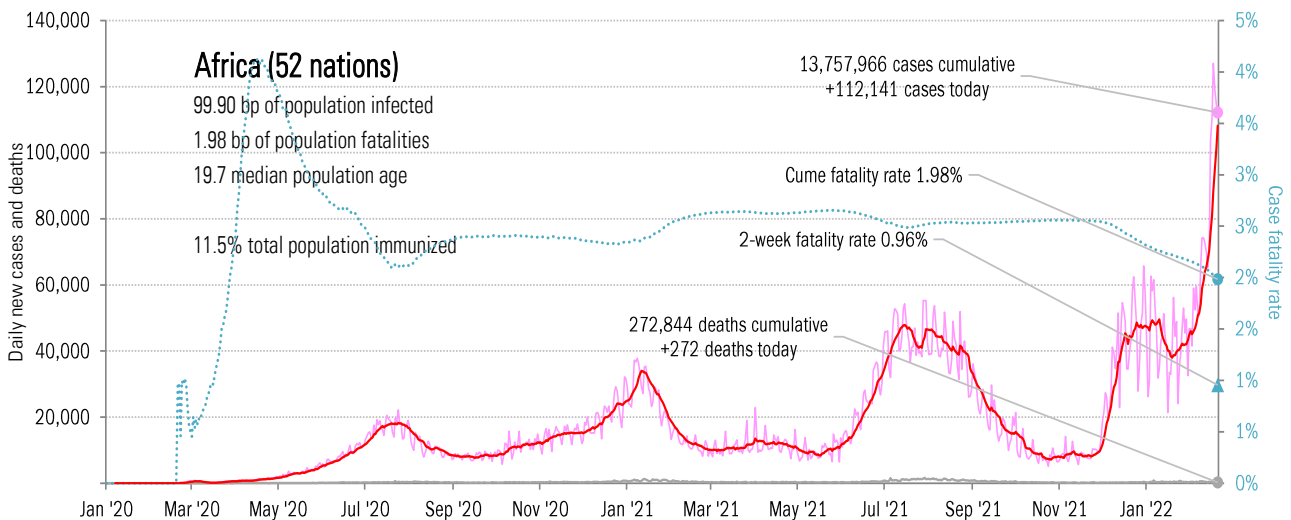
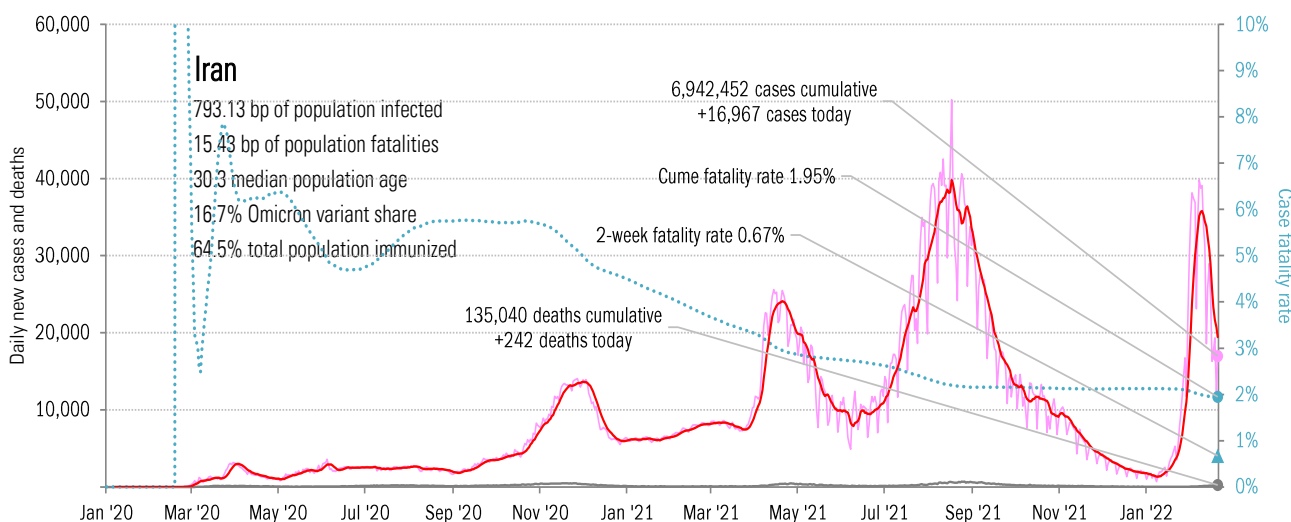
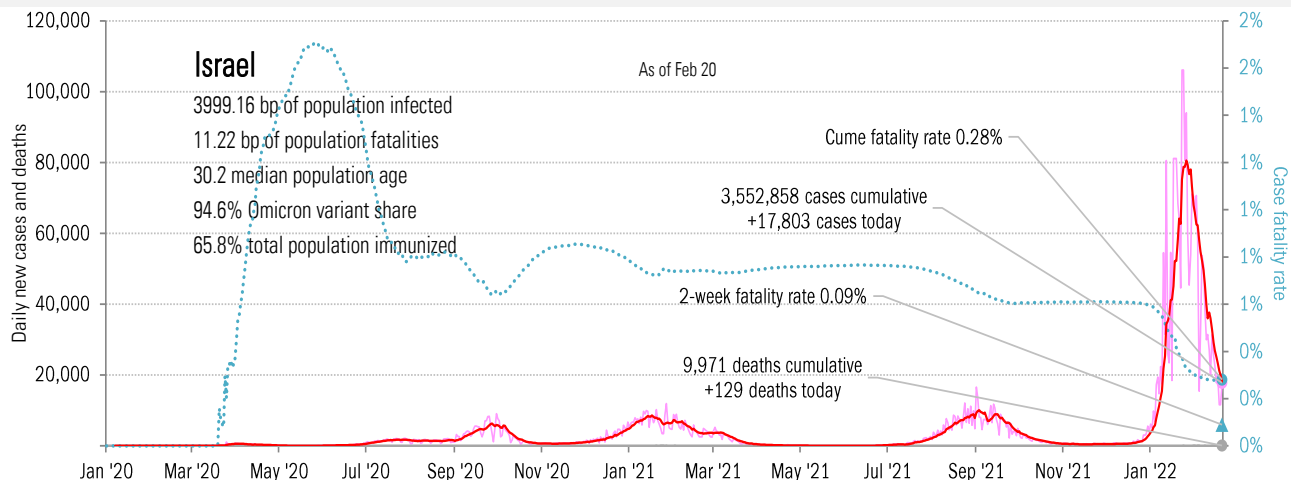
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

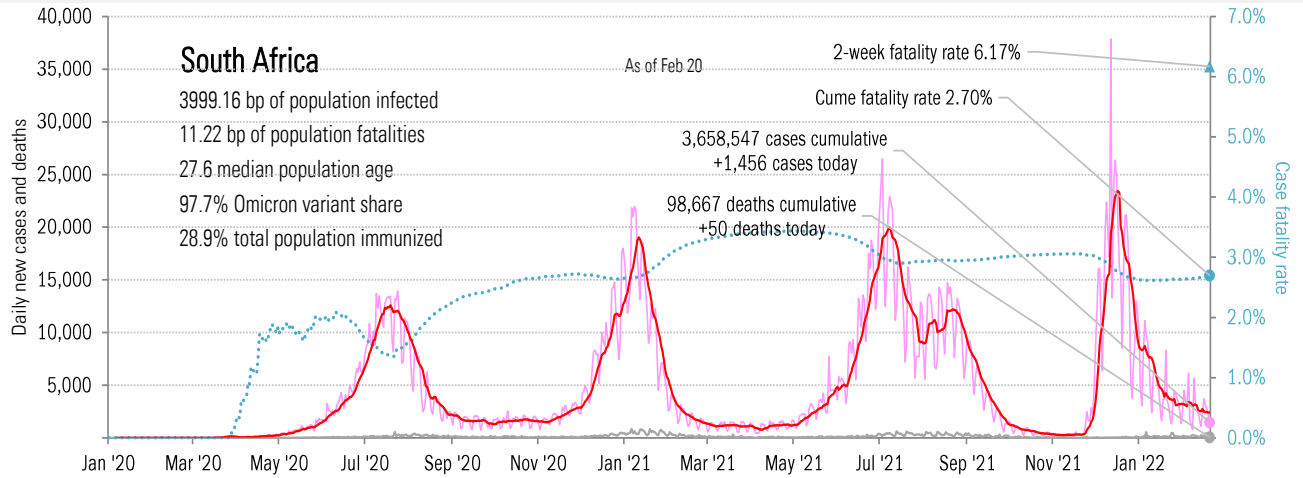
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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