

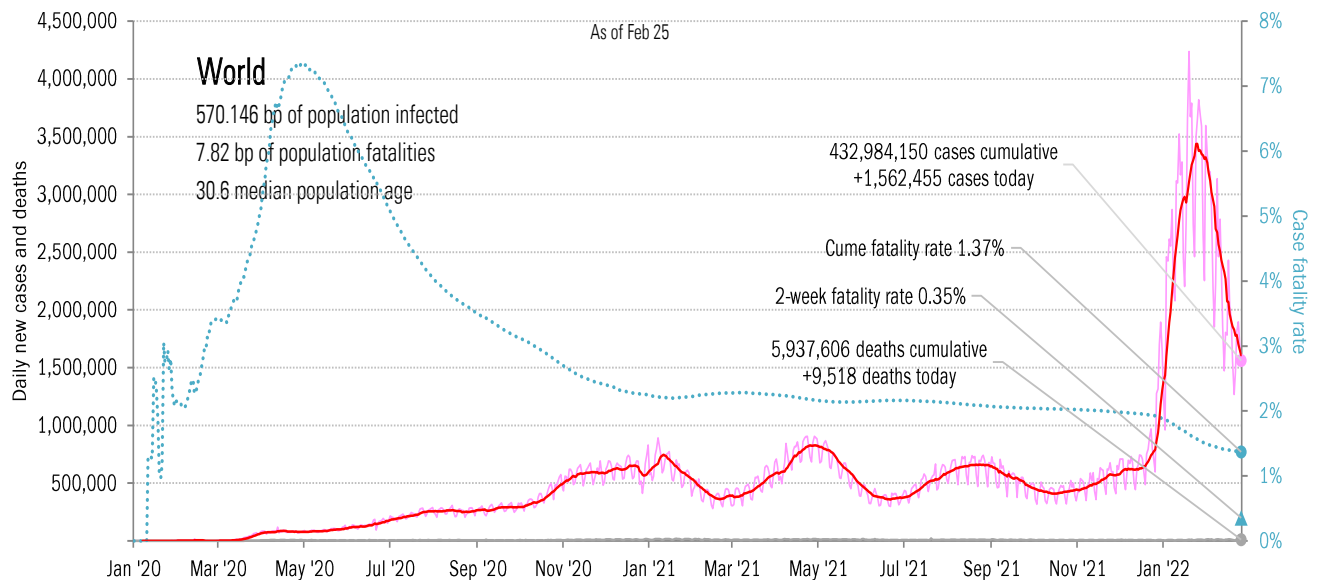
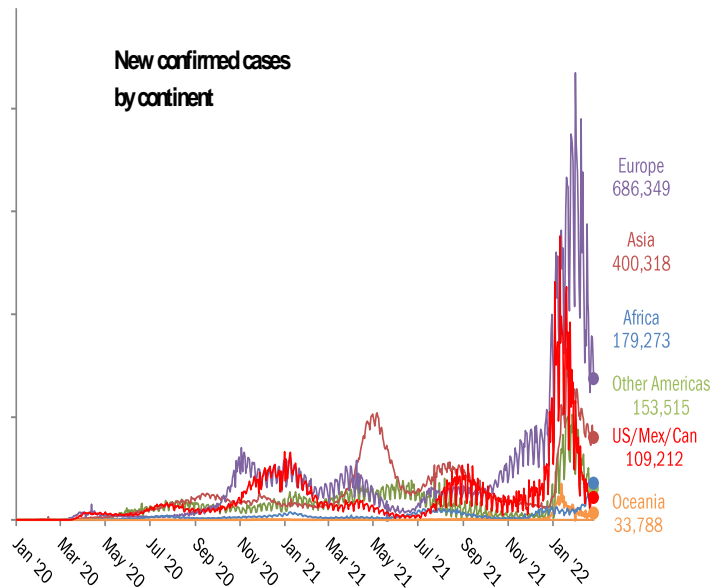
## Data Insights: Covid-2019 Monitor

Saturday, February 26, 2022

### The global scorecard

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

The worst ten countries			
New cases		New Deaths	
Germany	167,488	United States	2,679
Korea, South	166,206	Brazil	793
Russia	121,920	Russia	773
Brazil	90,436	Mexico	380
United States	84,112	Japan	278
Vietnam	78,795	Turkey	266
Turkey	71,736	India	255
Japan	65,593	Germany	253
France	58,824	Spain	248
Indonesia	49,447	Indonesia	244
954,557		6,169	
World	1,562,455	World	9,518
Top ten	61%	Top ten	65%



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

### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

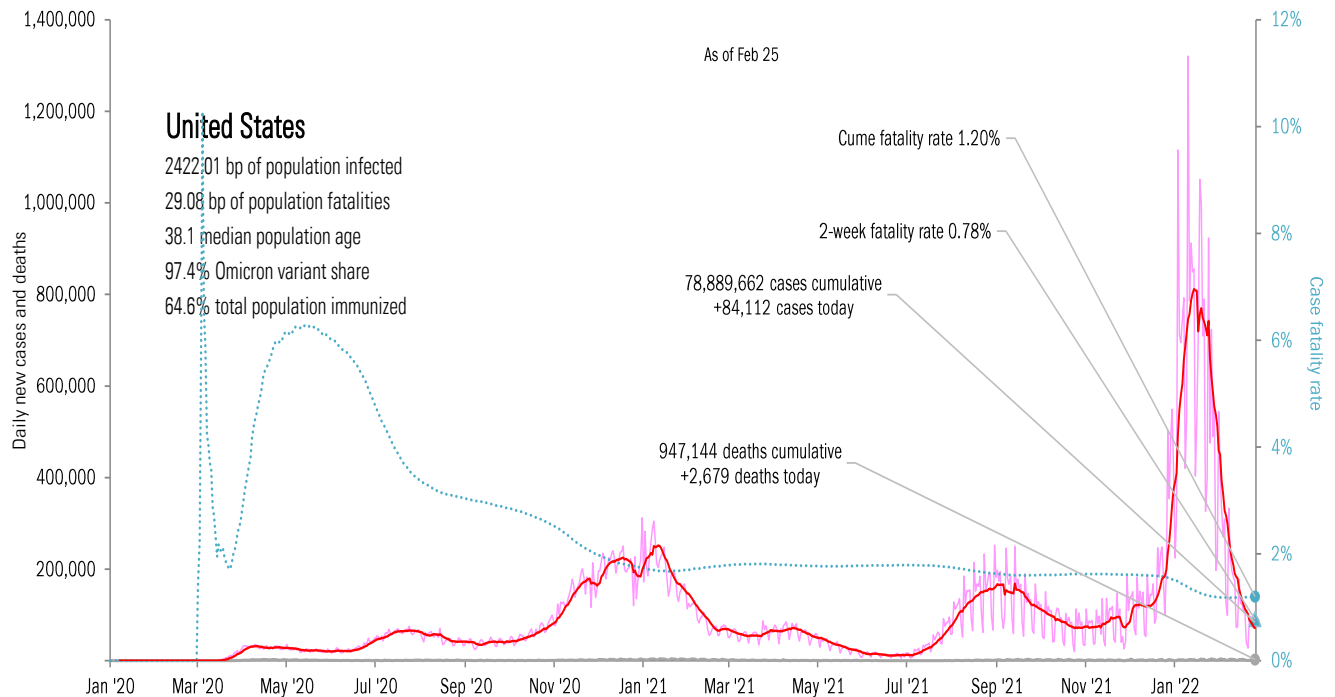
## The ten worst US states

New cases			New Deaths		New in hospital		Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use								
CA	13,344		CH	313	GA	236	CA	8,959,490	CA	84,980	TX	479,354	GA	86%	TX	92%										
MI	7,487		CA	252	MO	6	TX	6,607,532	TX	84,634	CA	413,521	RI	86%	AL	89%										
TX	6,871		TX	172	DE	4	FL	5,825,267	FL	69,281	FL	407,560	WV	85%	NM	89%										
NC	4,887		SC	147	NJ	2	NY	4,920,073	NY	67,275	NY	240,557	MA	85%	AK	87%										
KY	4,423		GA	122	SD	1	IL	3,026,737	PA	43,148	GA	201,192	MN	84%	MS	85%										
WA	3,276		MI	107	VT	1	PA	2,753,361	CH	36,580	CH	187,539	MO	84%	GA	85%										
NJ	3,178		WA	99	AS	0	CH	2,651,304	GA	35,316	PA	172,612	WA	83%	KY	84%										
NY	2,350		VA	96	GU	0	NC	2,583,404	IL	35,087	IL	153,883	MD	83%	CK	84%										
TN	2,234		FL	93	MP	0	GA	2,462,663	MI	34,477	MI	138,079	DC	83%	WV	84%										
IL	2,074		AL	84	VI	0	MI	2,357,955	NJ	32,857	KY	137,988	NH	82%	NH	83%										
50,124			1,485		250		42,147,786			523,635			2,532,285													
All states			84,112		2,679		-1,262		All states			78,889,662			947,144			4,592,650			All states		70%		67%	
Top ten			60%		55%		-20%		Top ten			53%			55%			55%			Median		78%		77%	

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	MO	-378	FL	-54	AR	+10 bp
CA	-835	FL	-140	AR	-28	CO	+10 bp
DE	-692	TX	-79	LA	-16	GA	+10 bp
GA	-597	OR	-55	AZ	-12	IA	+10 bp
VA	-517	CK	-45	DC	-9	ID	+10 bp

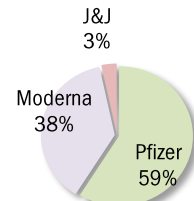


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	566,943,422		+0.175 million	US	64.6%	76.3%
Boosters	95,047,861		+0.170 million	UK	71.8%	77.1%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	260,852,536	78%	221,528,538	66%	+0.067 million	France 77.5% 80.0%
Age 12 to 17	17,287,942	68%	14,712,016	58%	+0.004 million	Spain 83.4% 87.8%
Age 18 to 64	175,859,560	86%	149,101,387	73%	+0.028 million	Germany 74.7% 75.6%
Age 65 and over	58,162,318	100%	50,332,209	92%	+0.005 million	Italy 78.5% 83.9%

Israel	65.9%	72.1%
Canada	81.1%	85.5%
Japan	79.5%	80.7%
Africa	12.8%	17.9%
India	56.4%	69.2%
Brazil	72.2%	82.9%
China	85.3%	87.8%



AK	68.5%
	60.9%

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

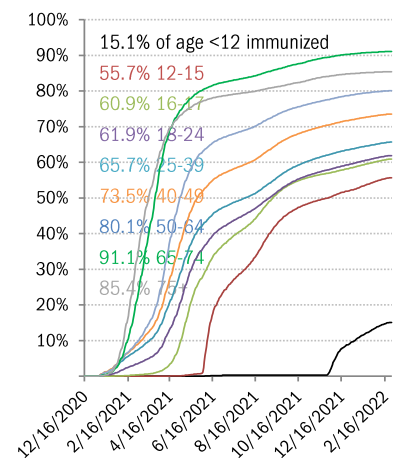
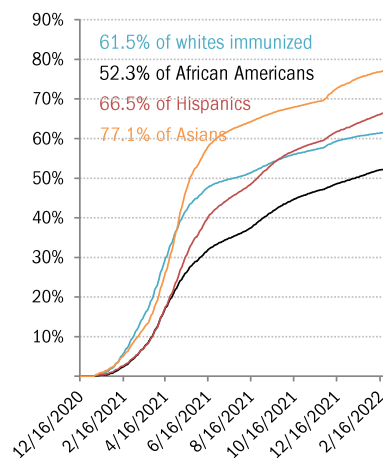
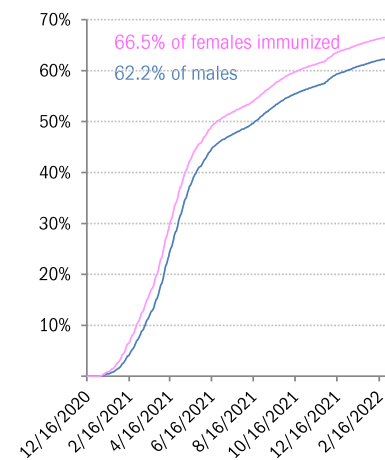
Best
Middle
Worst

\*Immunity\* = two doses

As of Feb 25

					WI 71.0% 64.5%					ME 89.1% 78.3%
WA 79.7% 71.4%	ID 60.3% 53.1%	MT 64.5% 55.9%	ND 64.4% 54.4%	MN 74.3% 68.1%	IL 75.8% 67.3%	MI 66.1% 59.2%		NY 88.9% 75.4%	VT 92.6% 80.1%	NH 95.0% 67.9%
OR 76.9% 68.6%	NV 74.0% 59.6%	WY 58.0% 50.6%	SD 74.9% 59.8%	IA 67.2% 61.1%	IN 60.6% 54.0%	OH 62.8% 57.6%	PA 83.3% 66.9%	NJ 88.9% 74.2%	MA 95.0% 77.5%	
CA 81.8% 70.3%	UT 71.2% 63.3%	CO 78.3% 69.2%	NE 69.3% 62.4%	MO 65.3% 55.1%	KY 65.3% 56.4%	WV 64.2% 56.7%	VA 84.4% 71.9%	MD 84.8% 74.0%	CT 93.8% 77.7%	RI 95.0% 80.6%
	AZ 71.4% 60.0%	NM 85.9% 69.6%	KS 73.3% 60.1%	AR 65.7% 53.5%	TN 61.3% 53.5%	NC 82.2% 59.3%	SC 66.4% 55.8%	DC 95.0% 71.4%	DE 81.7% 67.5%	
			OK 70.0% 56.0%	LA 60.1% 52.5%	MS 58.8% 50.9%	AL 61.8% 50.2%	GA 64.3% 53.6%			
			TX 70.9% 60.0%					FL 78.0% 65.8%		PR 95.0% 81.3%

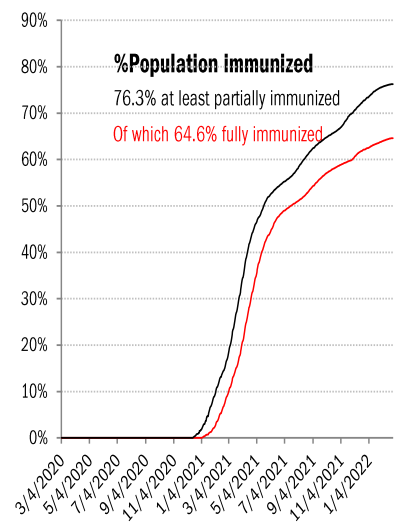
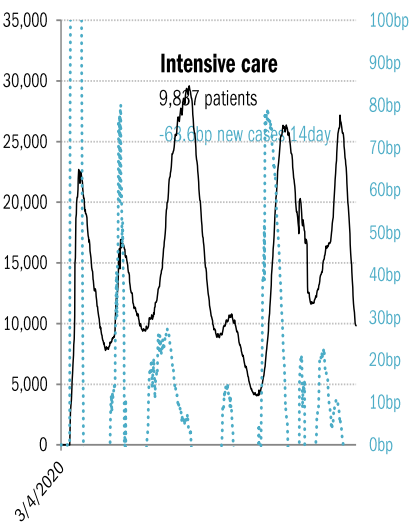
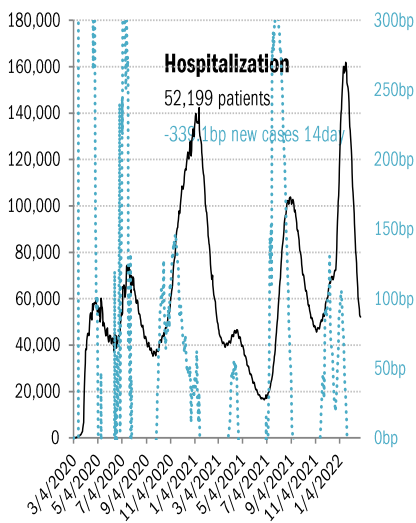
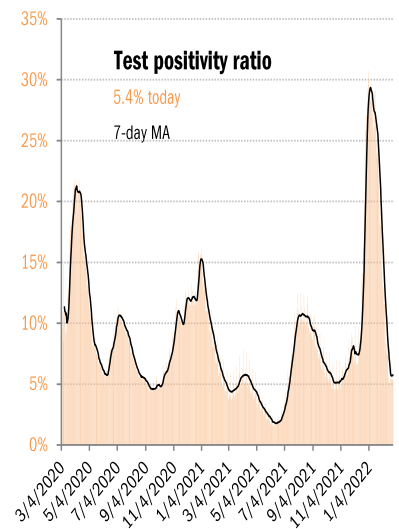
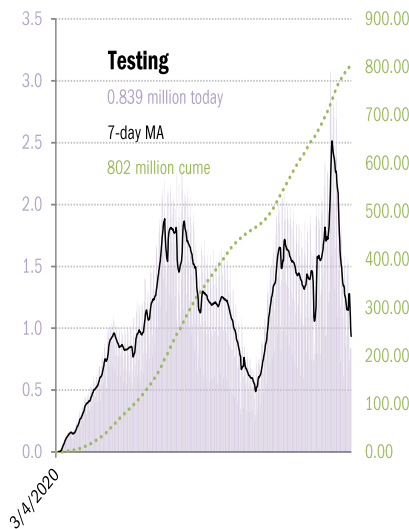
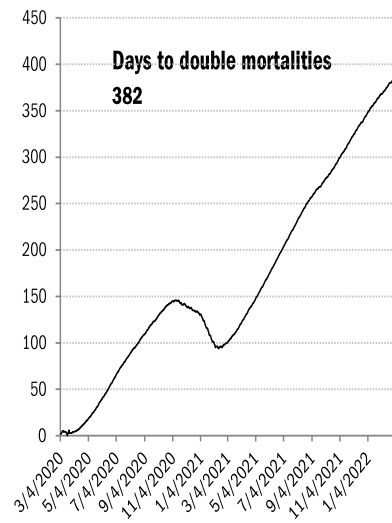
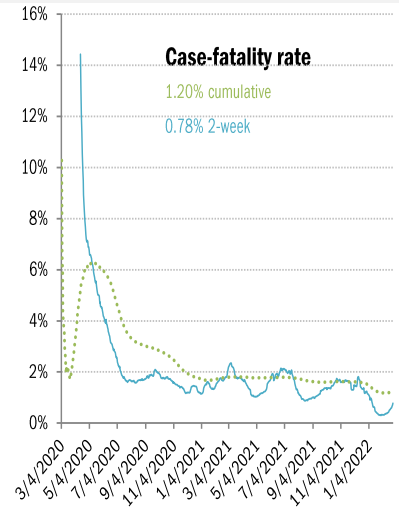
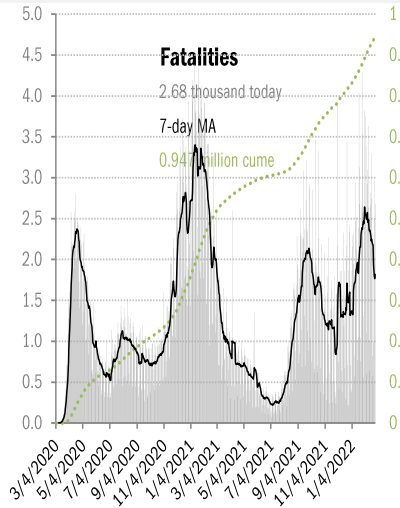
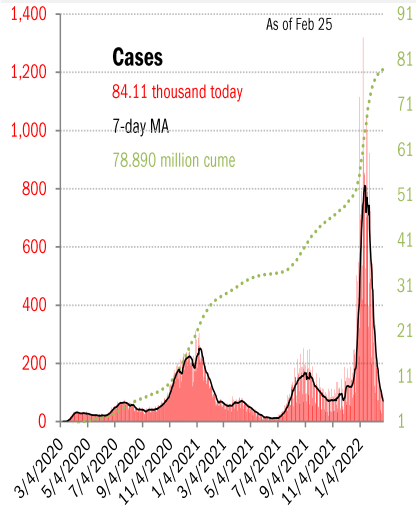
## The demographics of US vaccination



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

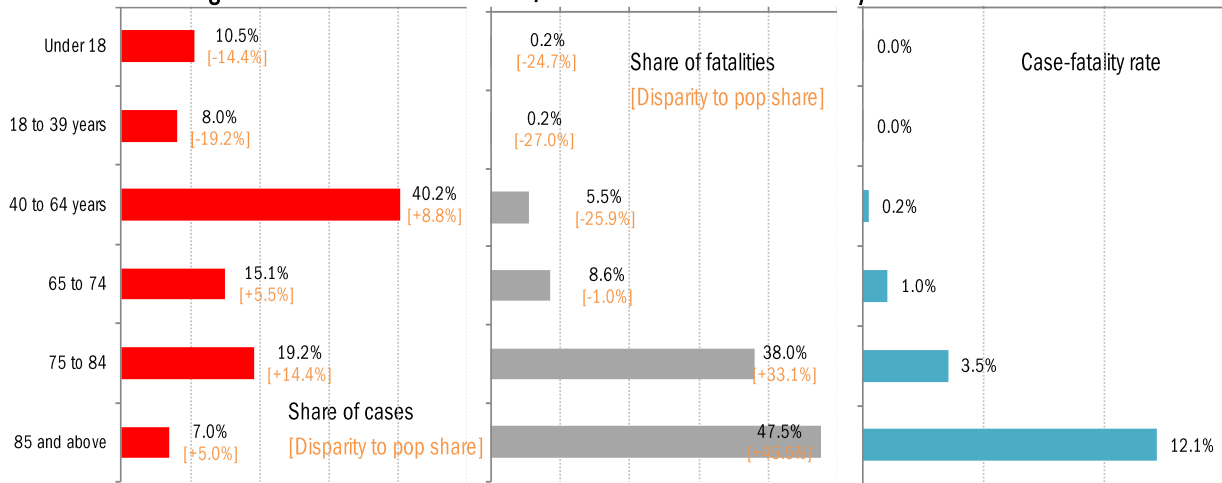
# US deep-dive

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

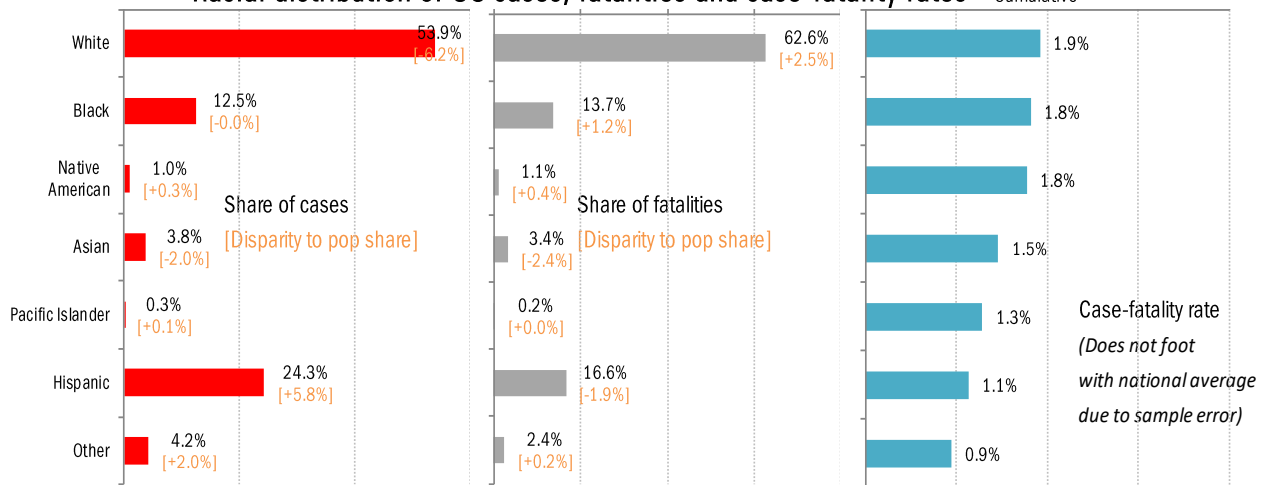


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

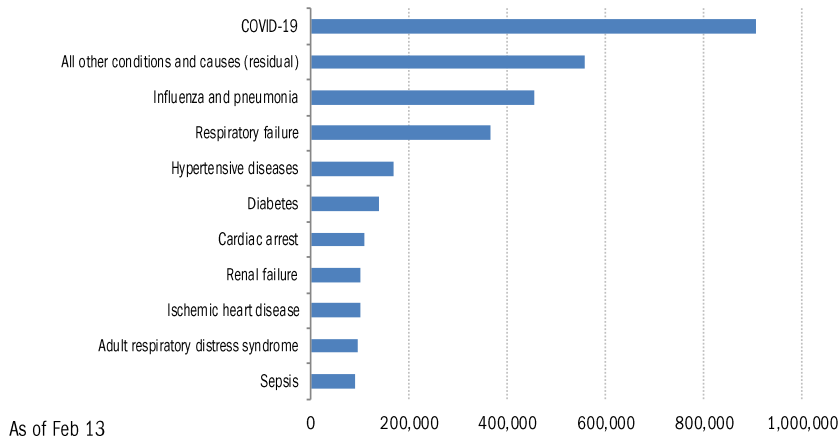


Racial distribution of US cases, fatalities and case-fatality rates



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

[Pfizer is Funding Facebook's Fact-Checking Partner.](#)

Natalie Winters  
*National Pulse*  
February 25, 2022

[New C.D.C. Guidelines Suggest 70 Percent of Americans Can Stop Wearing Masks](#)

Apoorva Mandavilli  
*New York Times*  
February 25, 2022

[Another casualty of Russia's invasion: Ukraine's ability to contain the coronavirus.](#)

Adeel Hassan  
*New York Times*  
February 24, 2022

[Preliminary Evidence of a Link between COVID-19 Vaccines and Otologic Symptoms](#)

Ramsi A. Woodcock et al.  
*medRxiv*  
February 24, 2022

[Taking the Win over COVID-19](#)

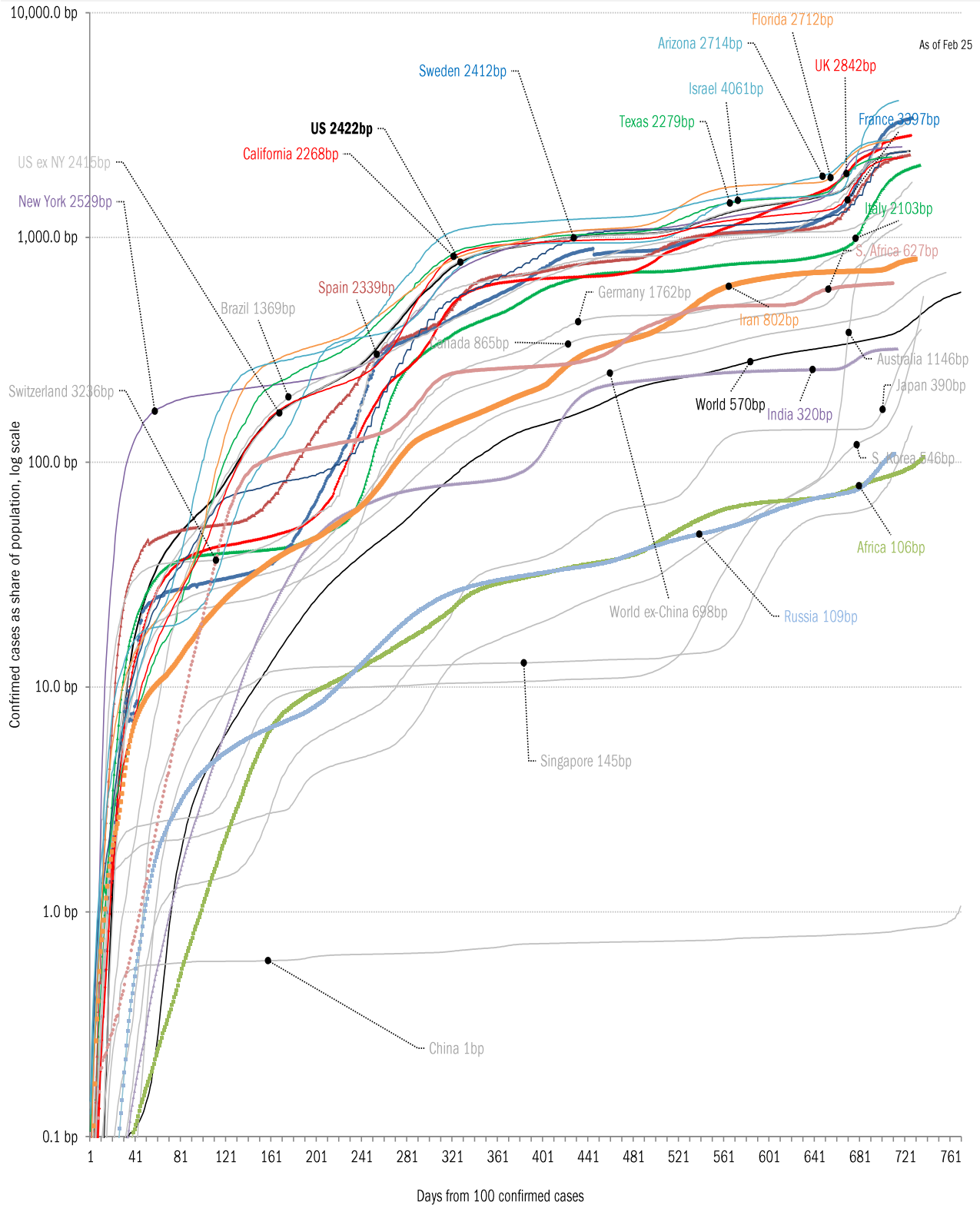
Molly Murphy, Brian Stryker  
*Impact Research*  
February 24, 2022

## Meme of the day



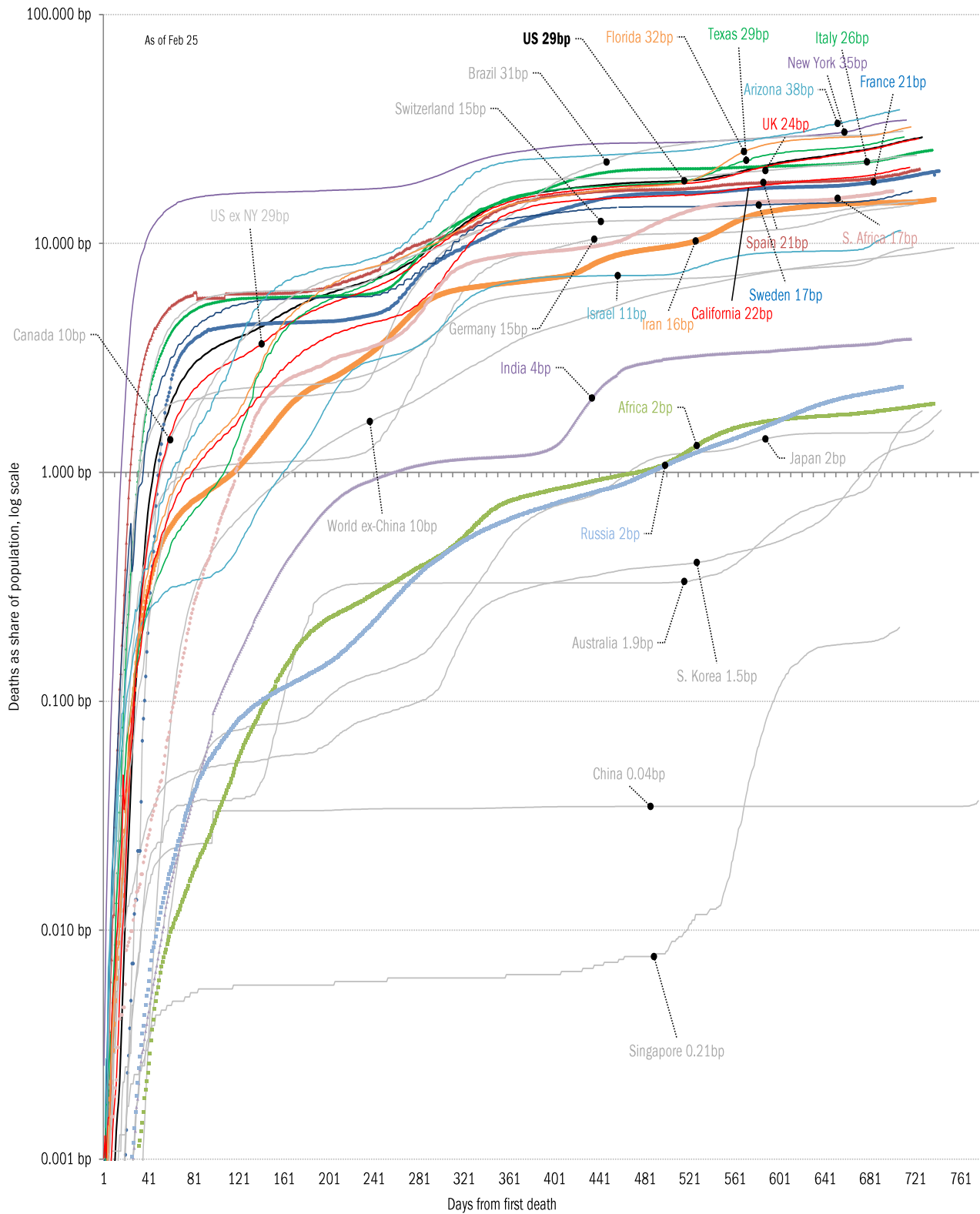
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



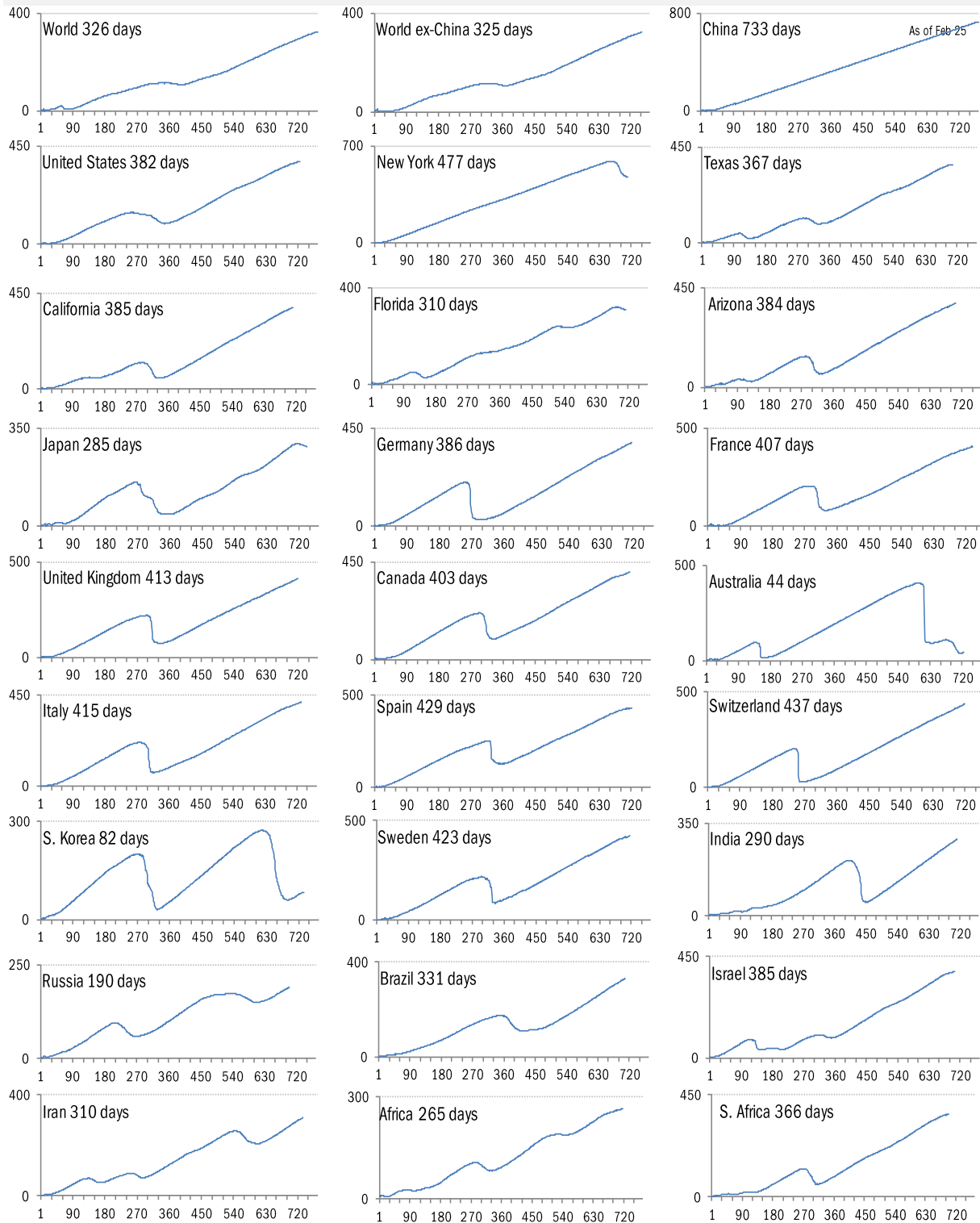
Source: [Johns Hopkins](#), TrendMacro calculations



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

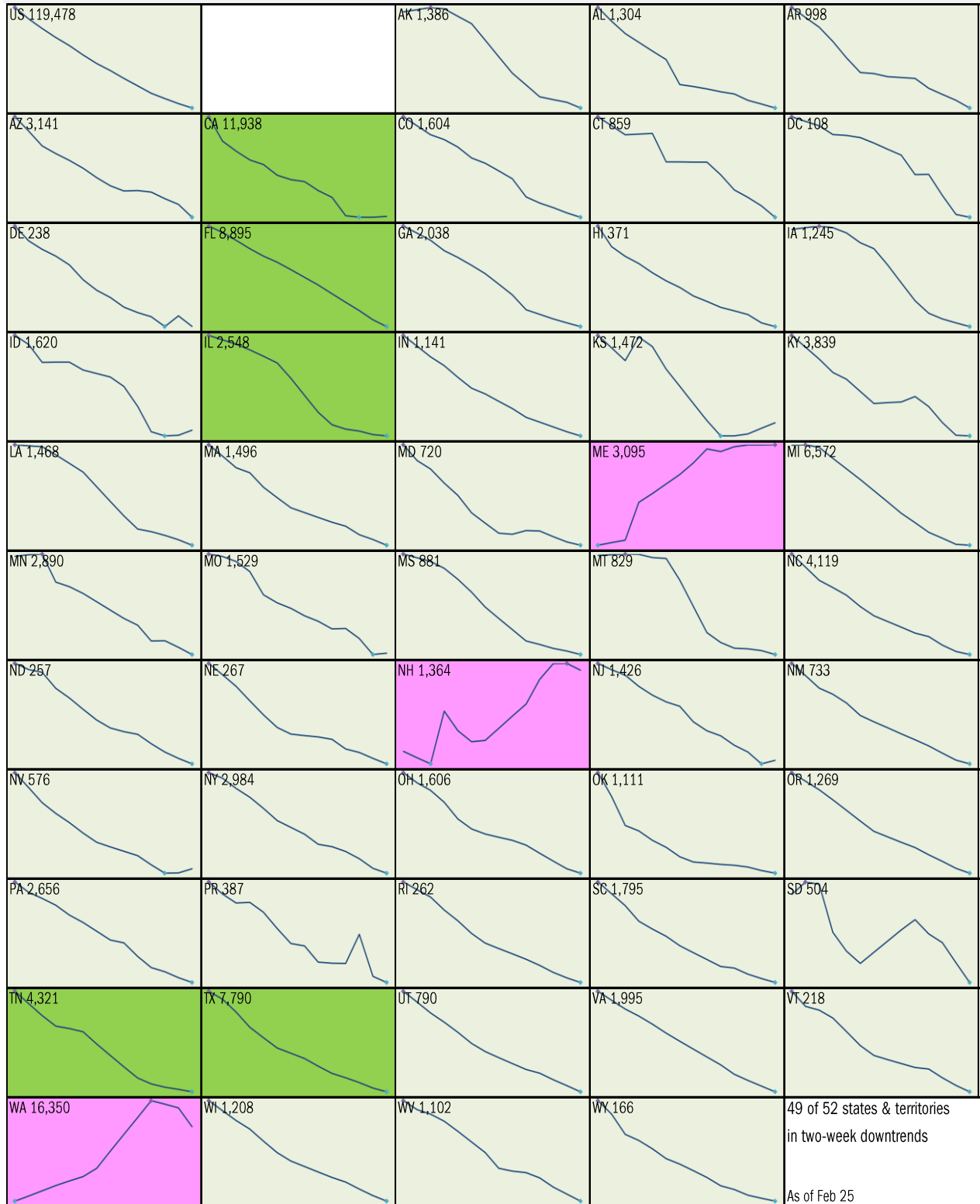
Vertical: days to double deaths Horizontal: days from first death

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

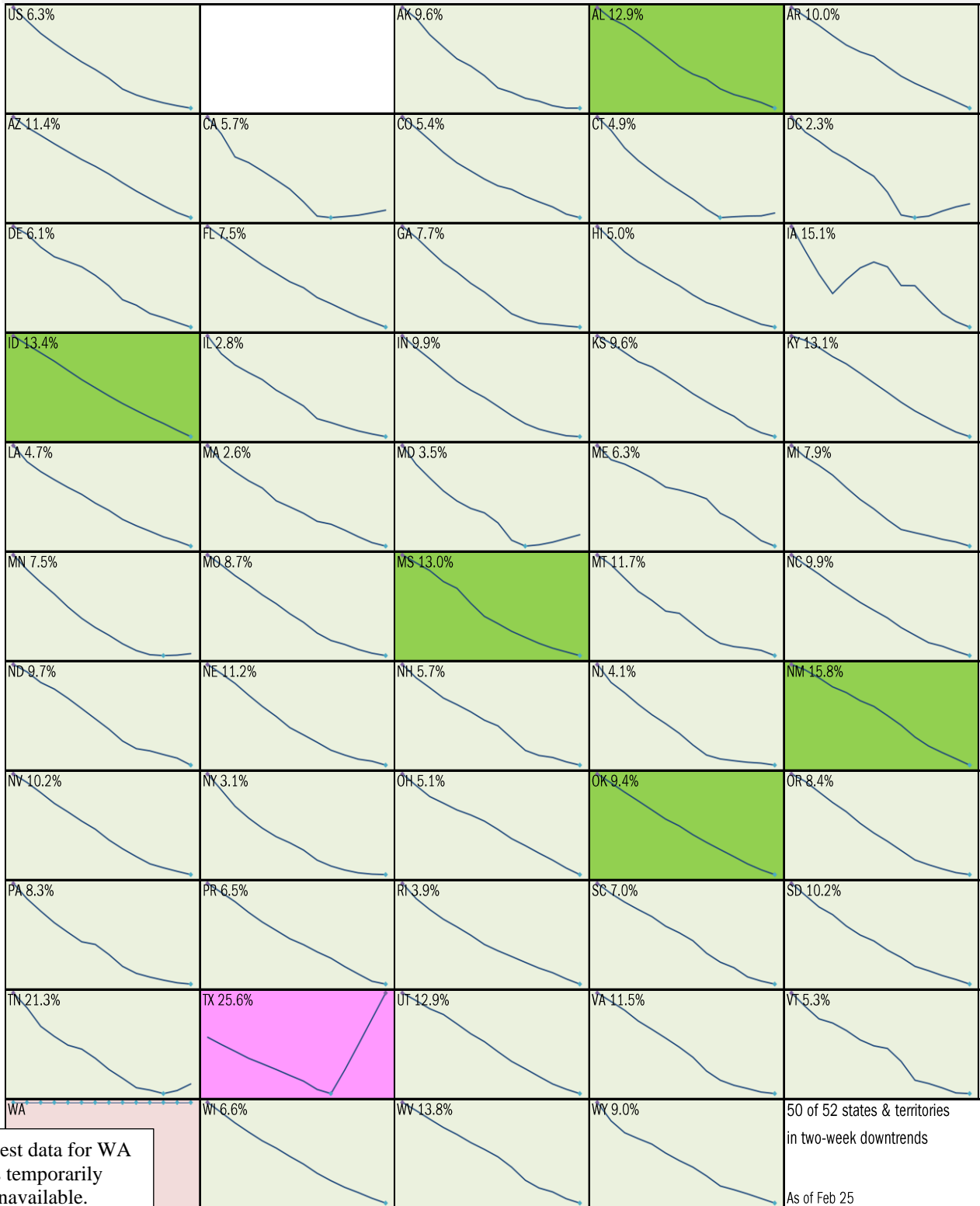


Source: [Johns Hopkins](#), TrendMacro calculations

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



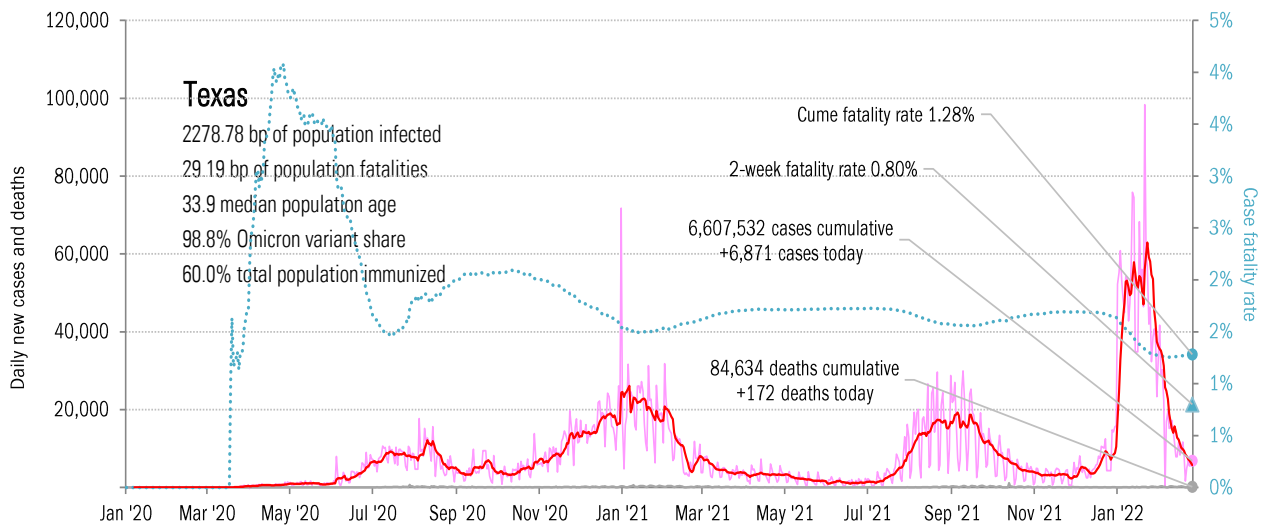
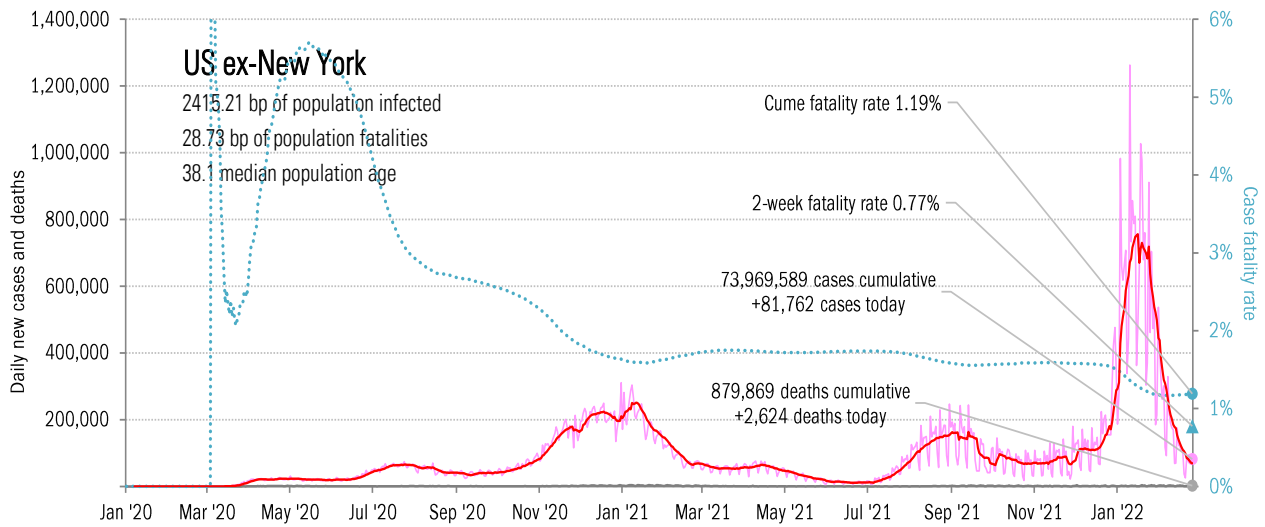
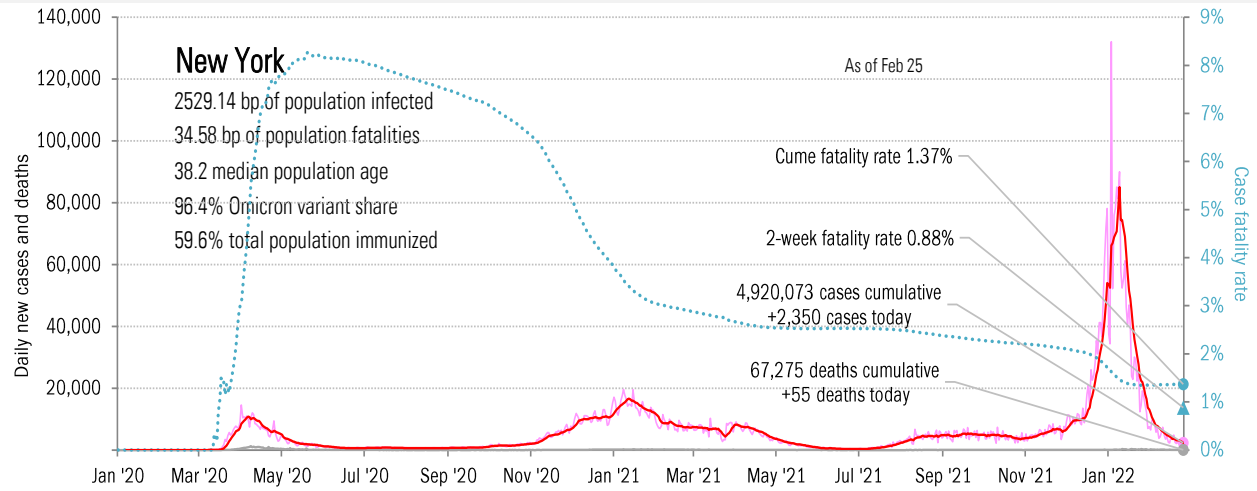
Test data for WA is temporarily unavailable.

50 of 52 states & territories in two-week downtrends  
As of Feb 25

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

# From Ground Zero to the Rio Grande

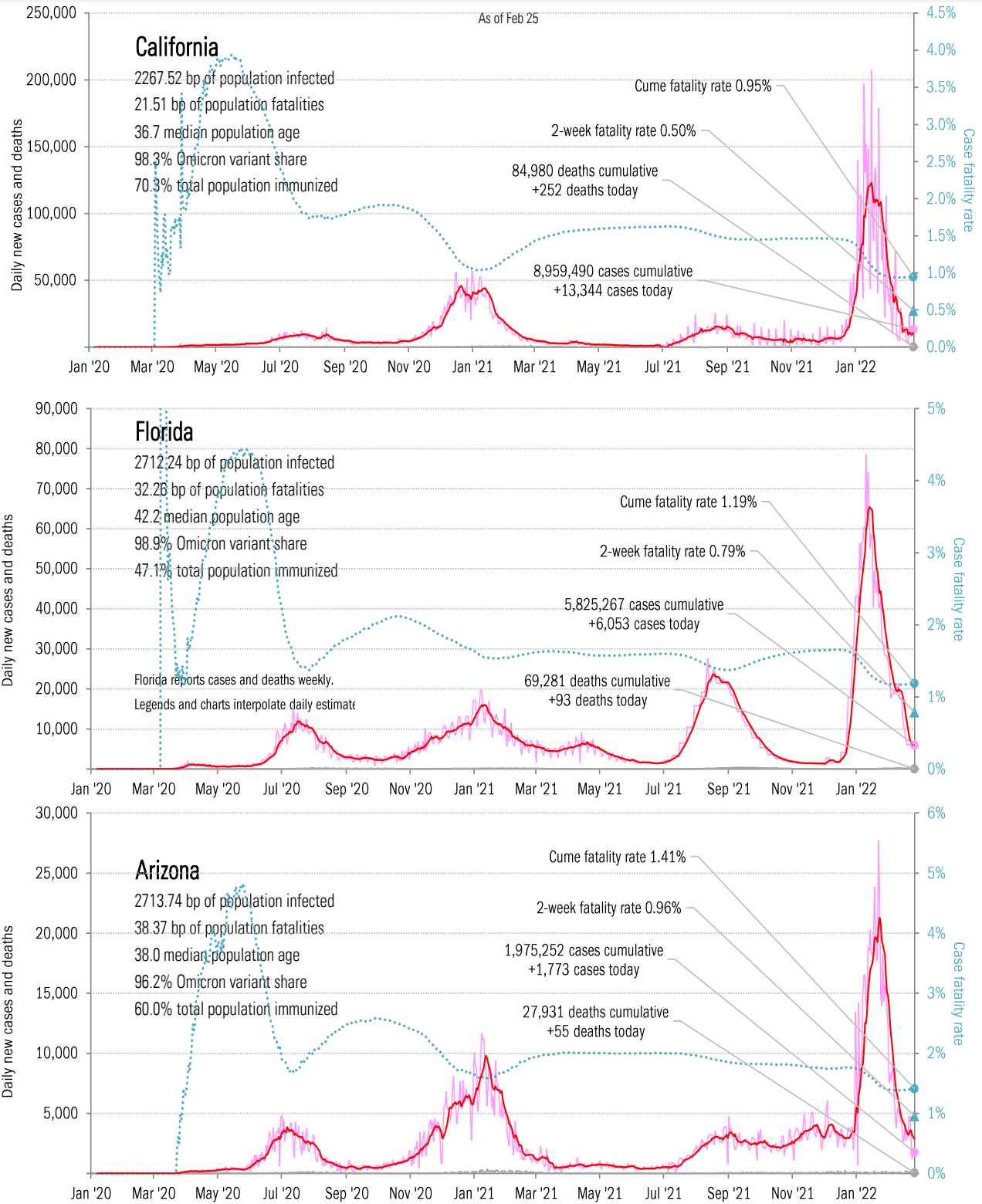
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

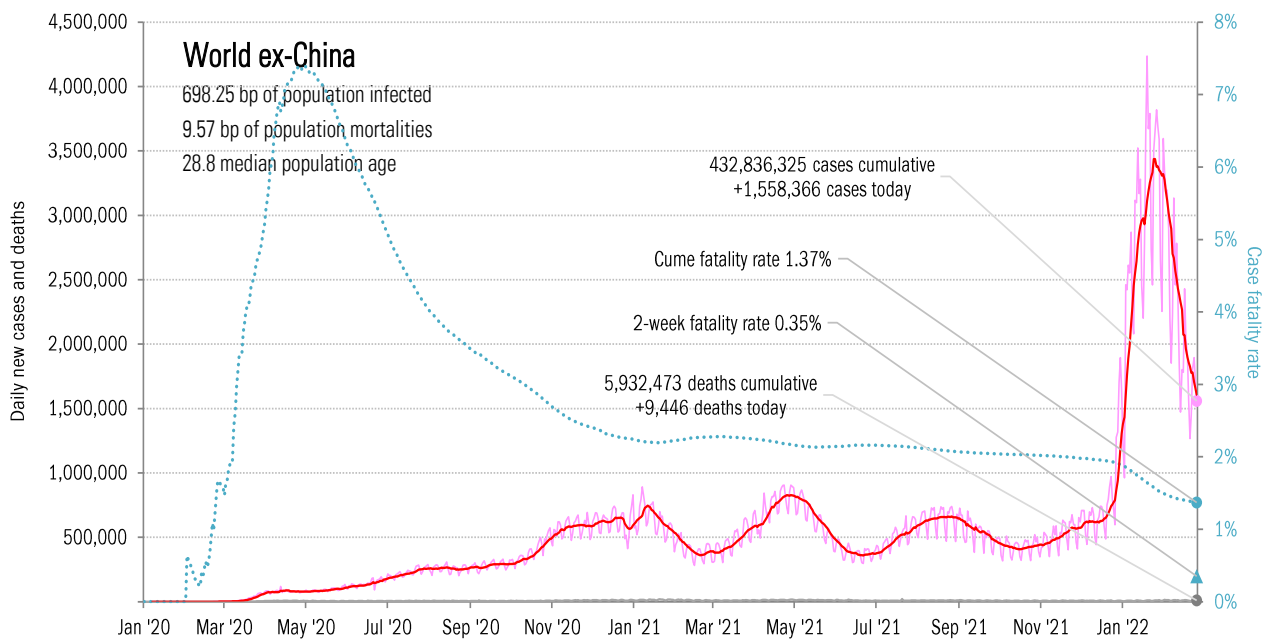
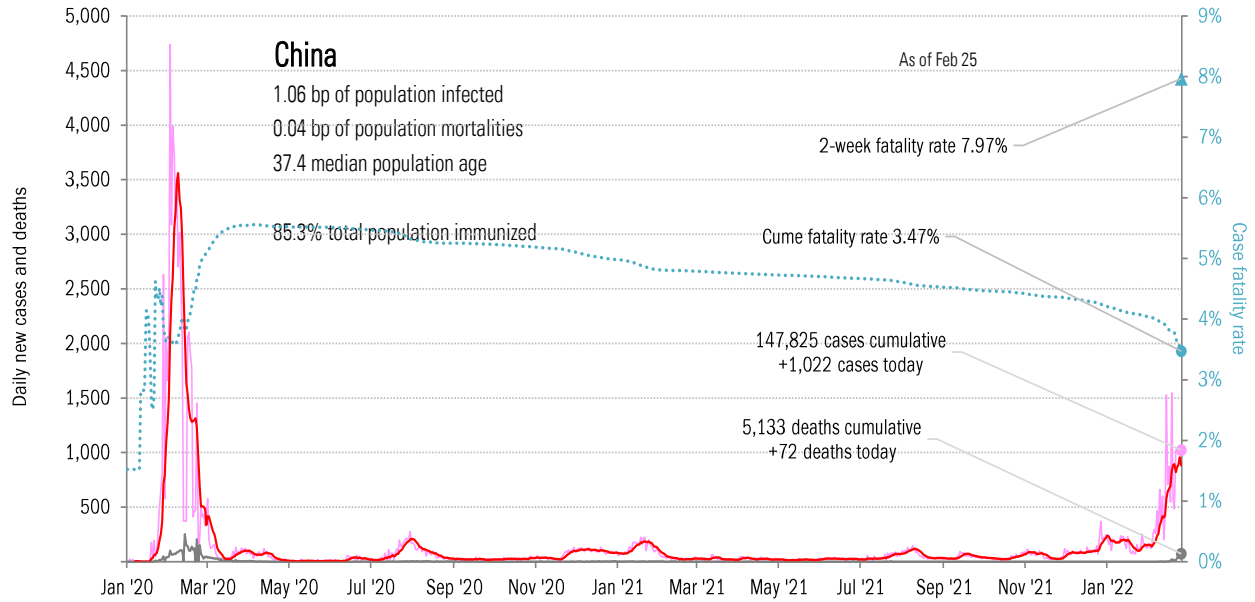
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

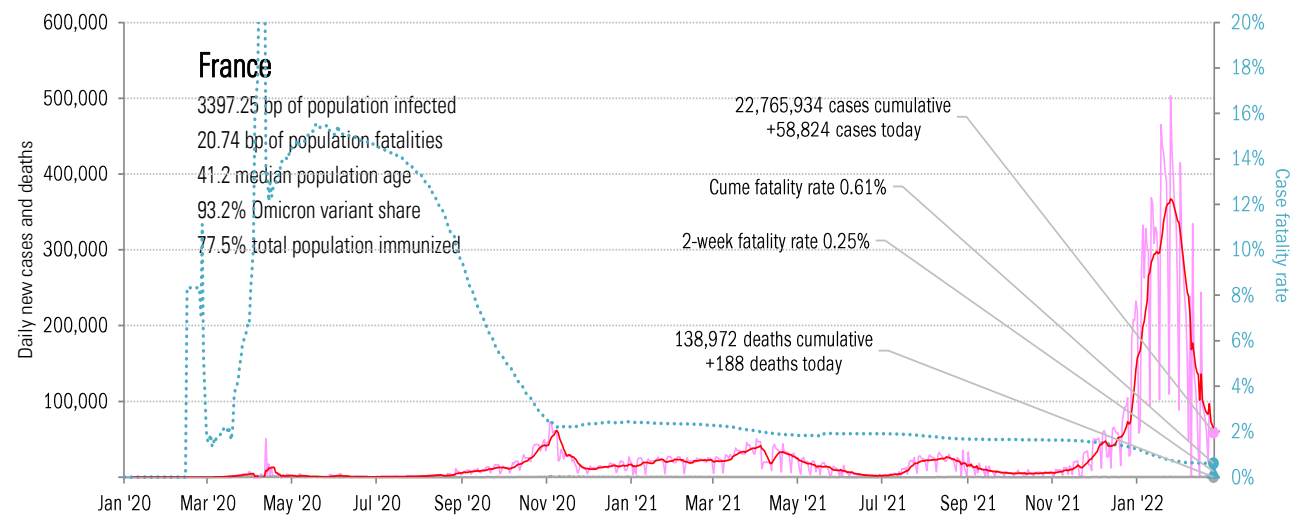
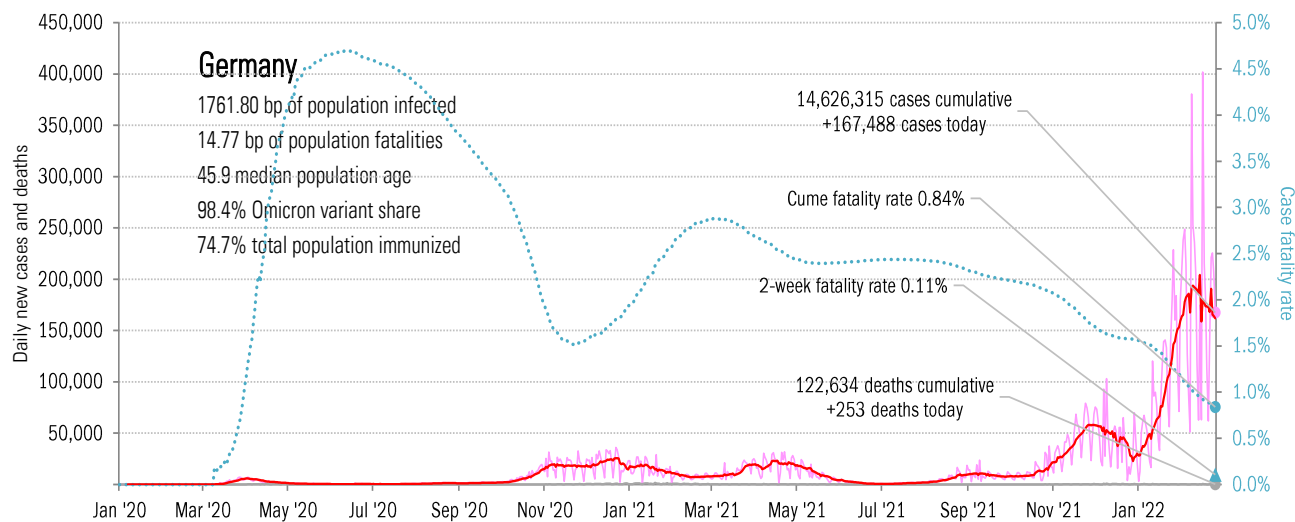
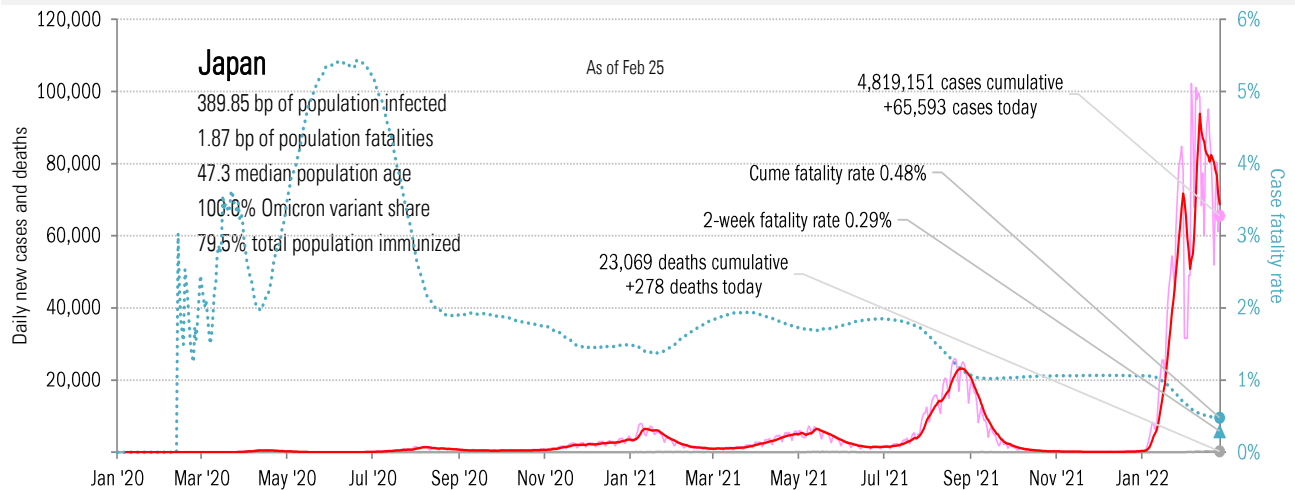
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

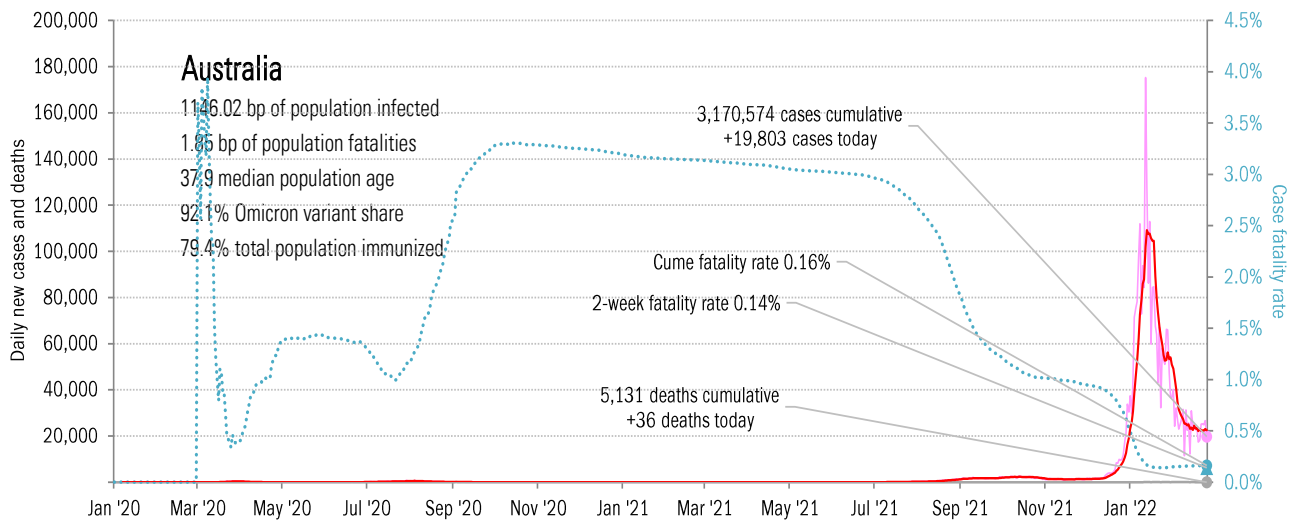
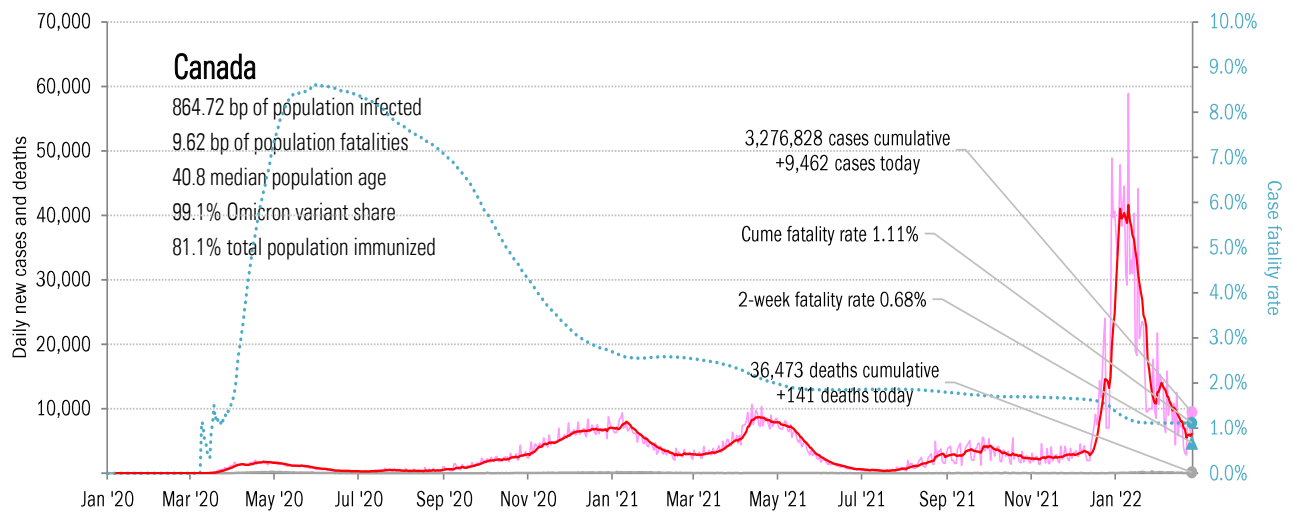
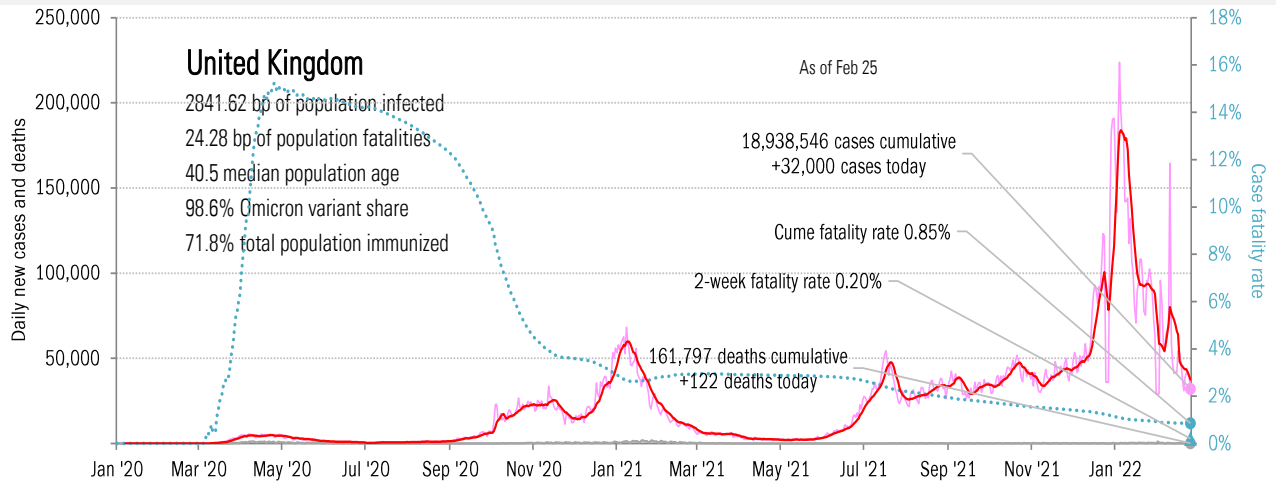
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

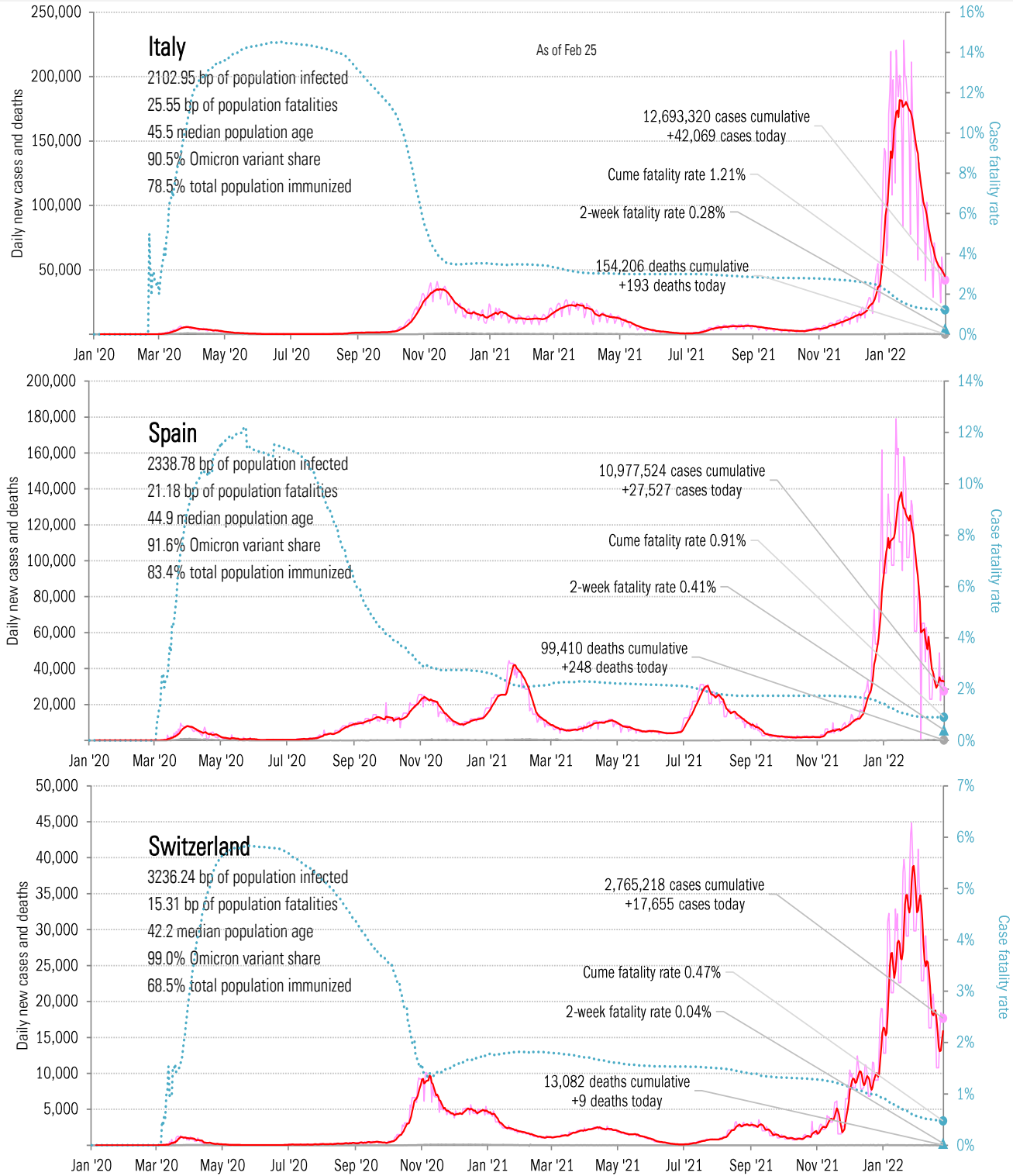


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

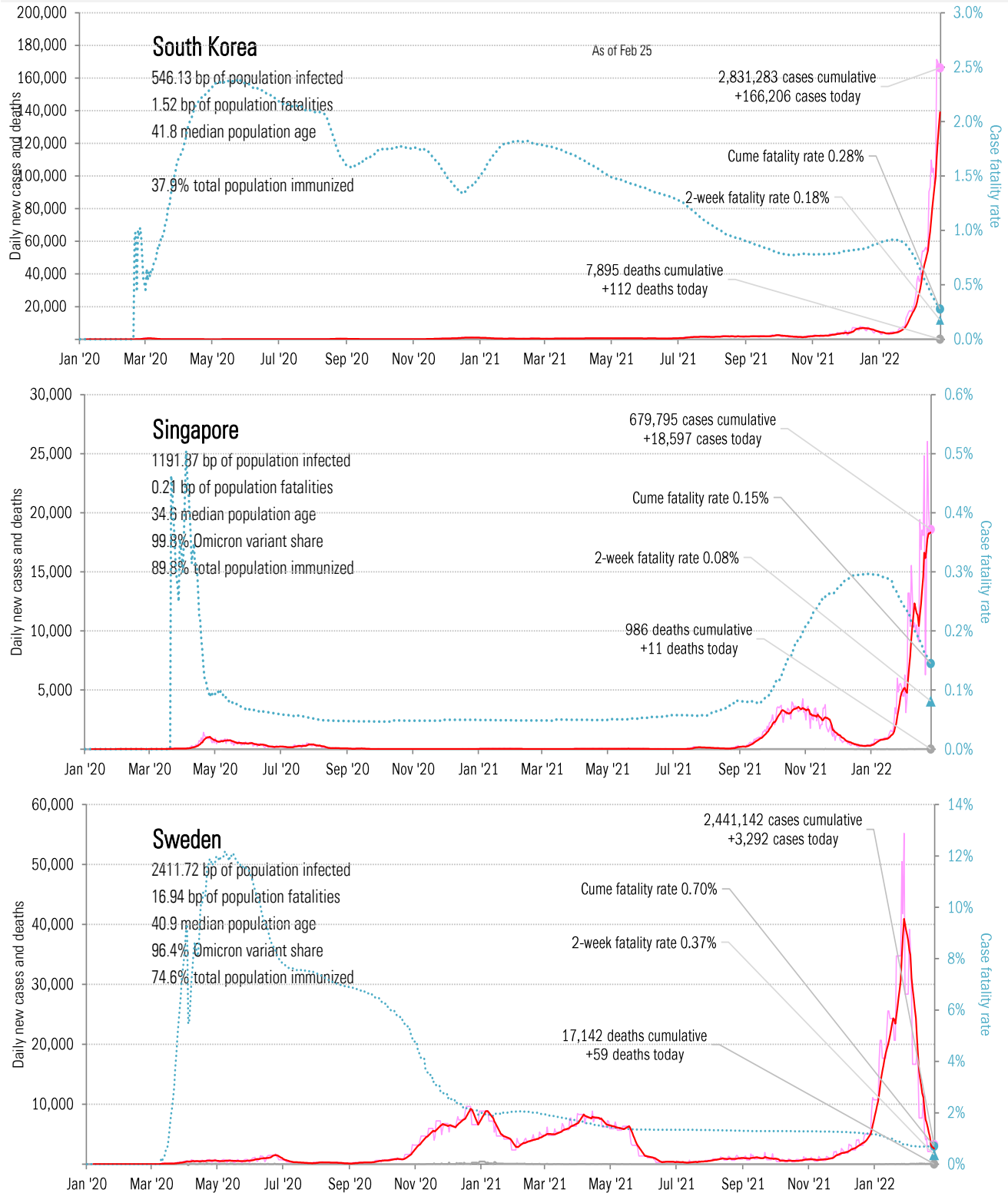
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

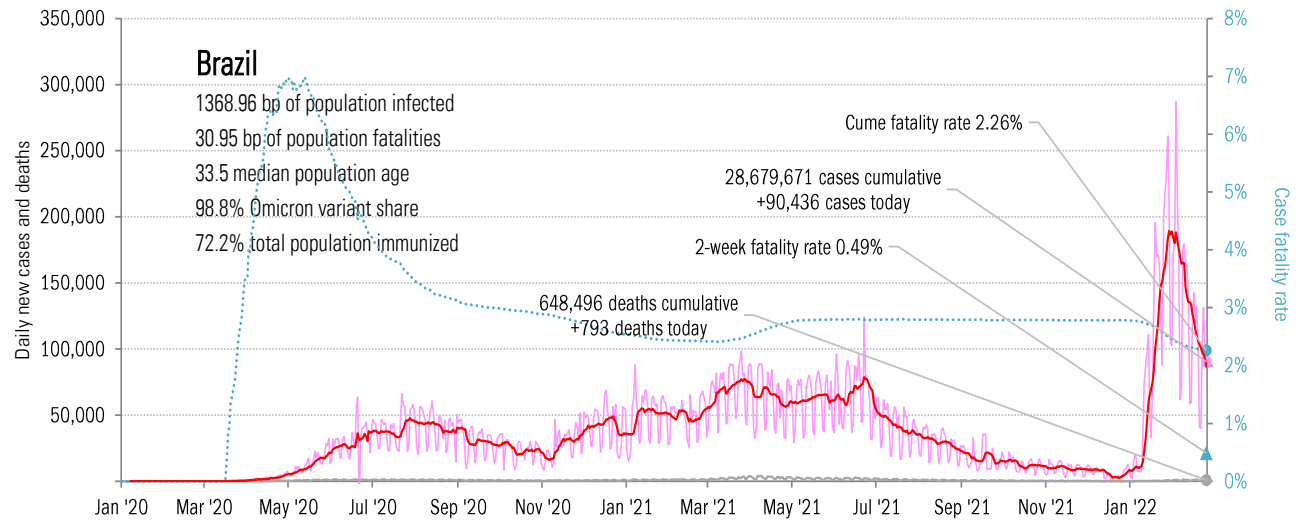
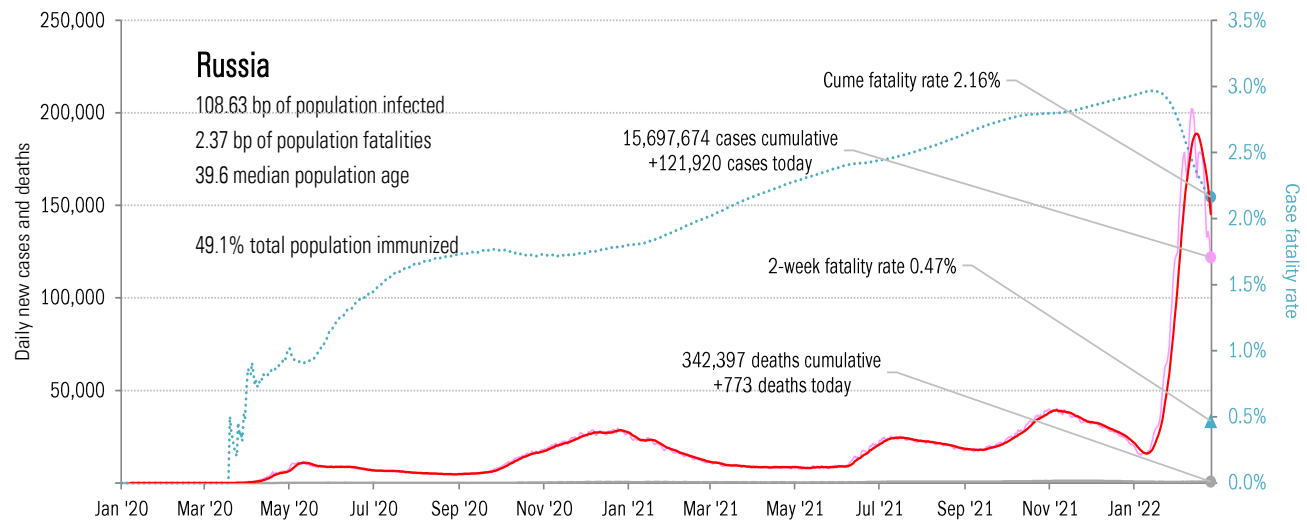
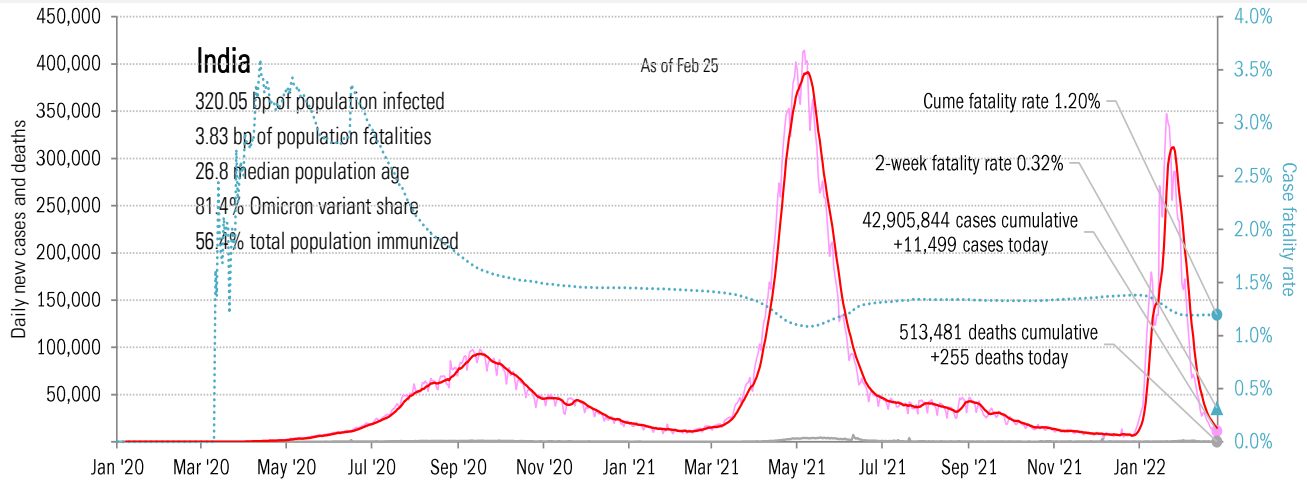
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

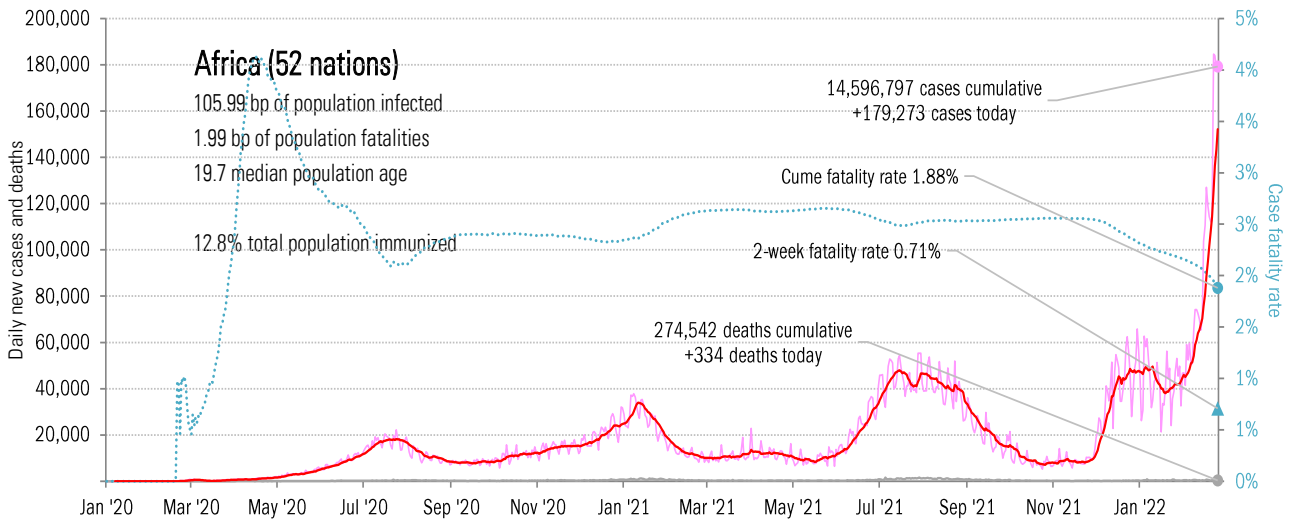
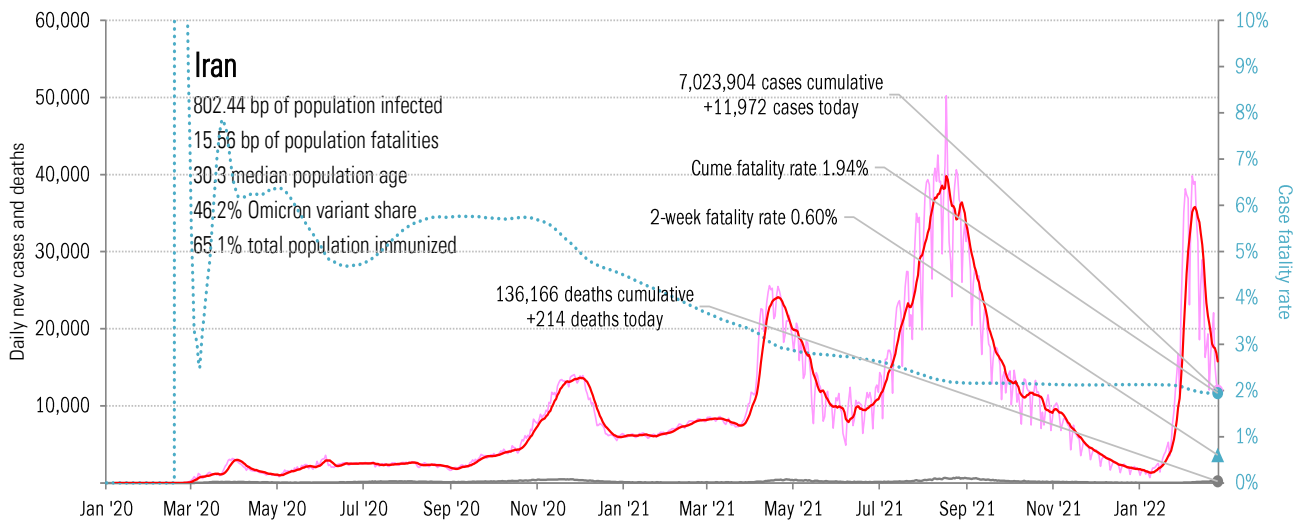
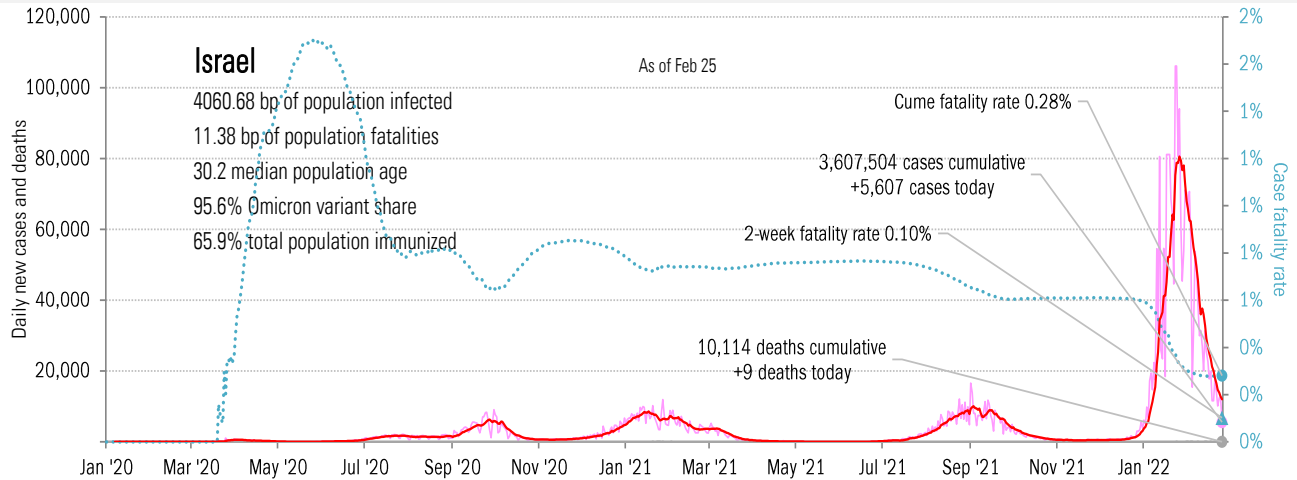
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

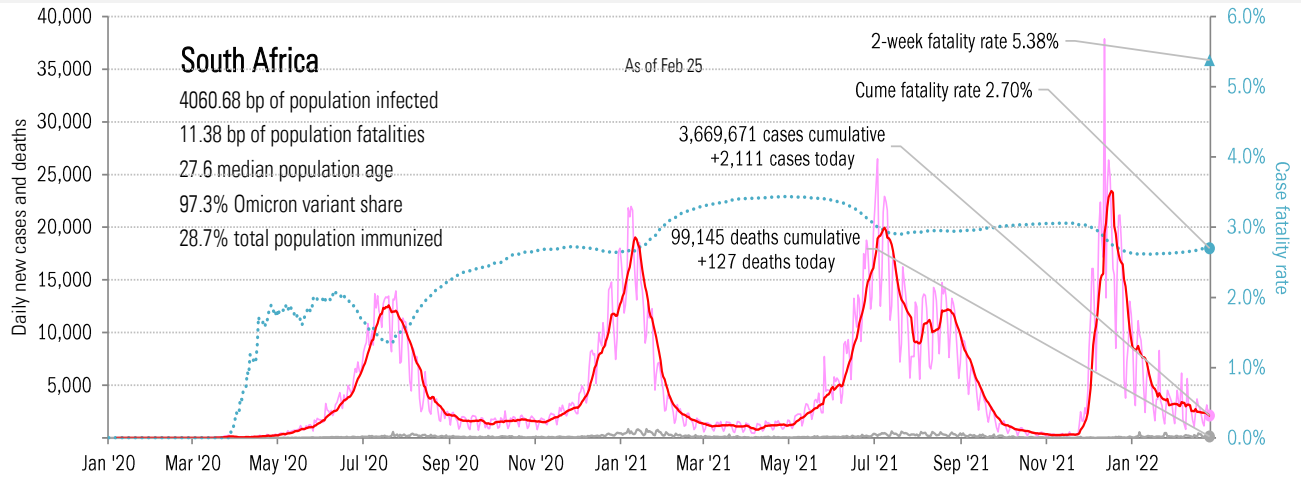
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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