

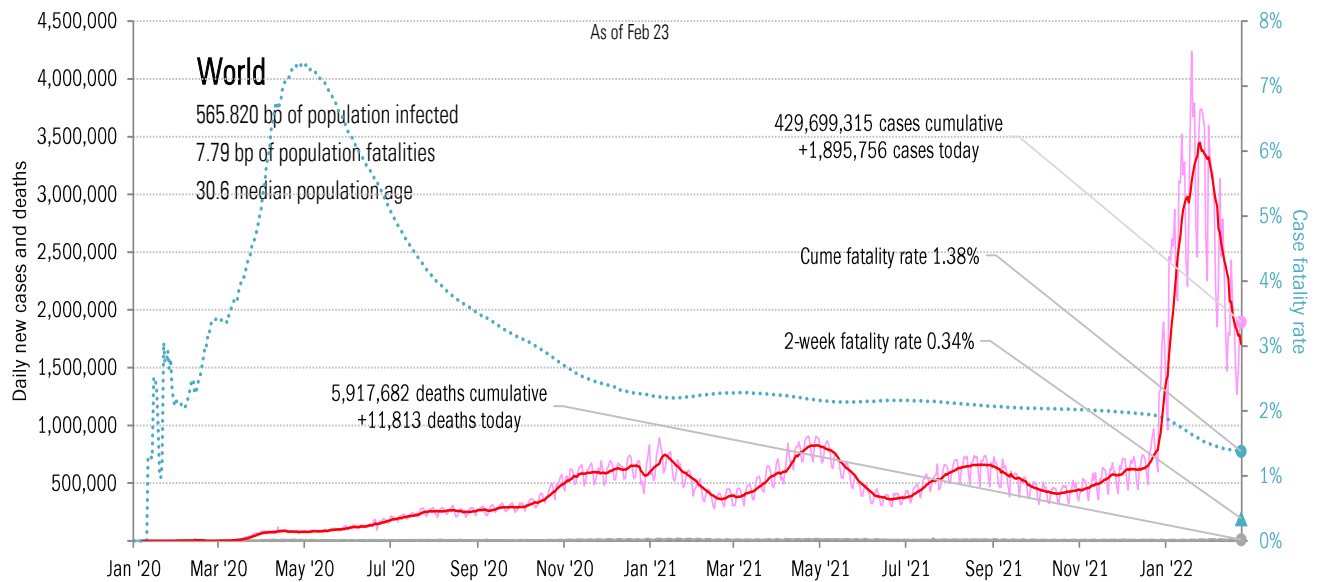
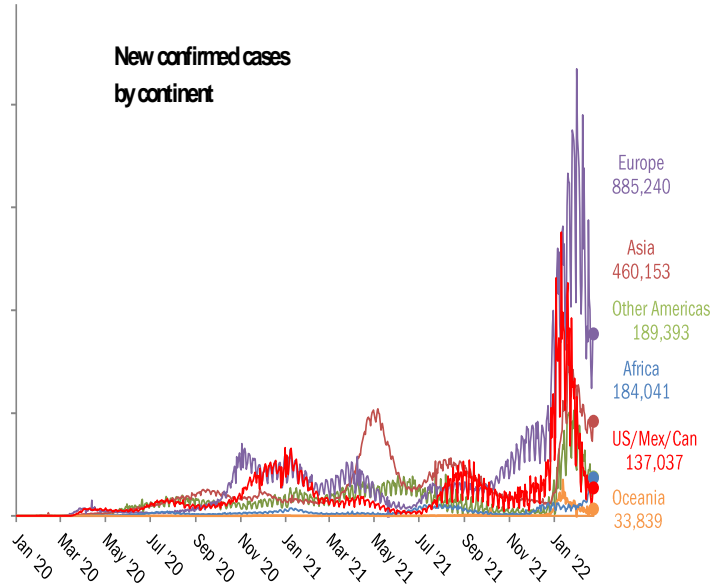
Data Insights: Covid-2019 Monitor

Thursday, February 24, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Germany	225,525	United States	2,974
Korea, South	170,006	Mexico	1,155
Russia	135,885	Brazil	979
Brazil	131,385	Russia	771
United States	90,846	Poland	360
Turkey	86,600	Ukraine	311
Vietnam	81,856	India	302
Japan	80,302	Spain	301
France	74,559	Turkey	268
Indonesia	61,488	Germany	252
1,138,452		7,673	
World	1,895,756	World	11,813
Top ten	60%	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

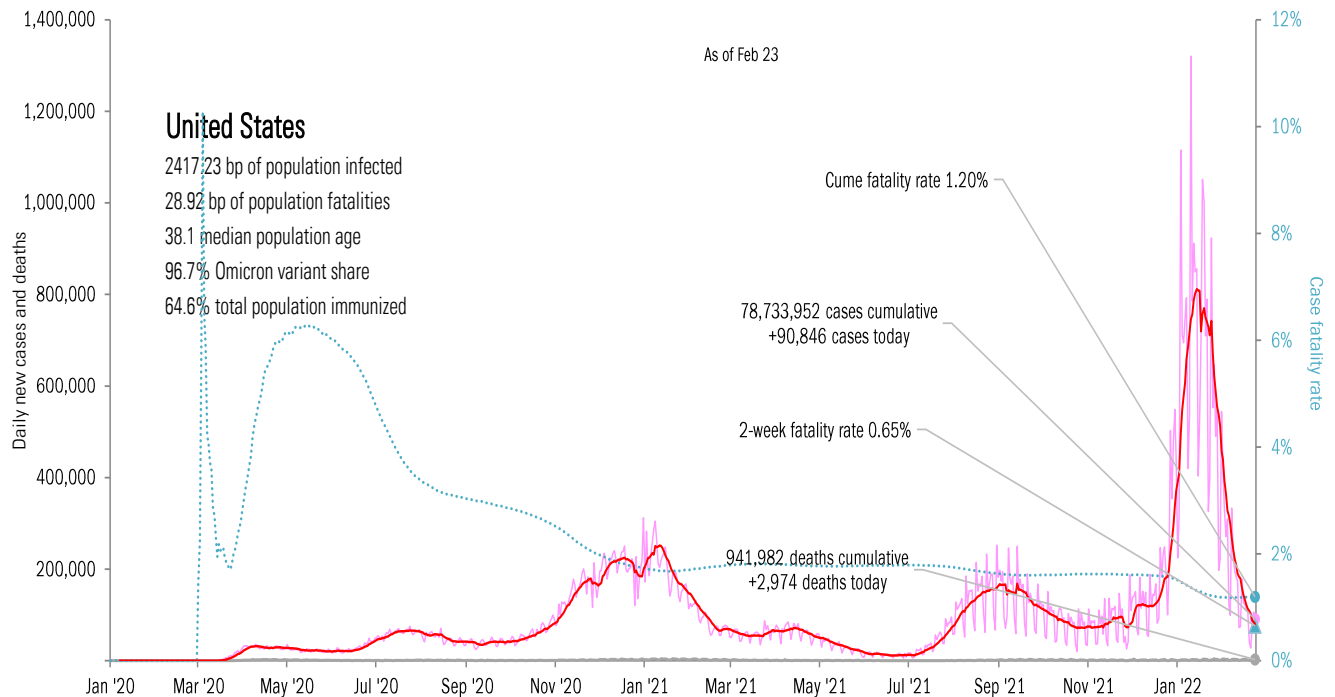
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use									
CA	7,983		MI	372		ND	10		CA	8,931,967		CA	84,468		TX	478,351		GA	85%	TX	91%								
MI	7,306		TX	249		RI	3		TX	6,594,204		TX	84,211		CA	412,416		RI	84%	NM	88%								
FL	6,053		PA	213		VI	1		FL	5,819,214		FL	69,048		FL	406,885		WV	83%	AL	88%								
TX	5,553		FL	149		AS	0		NY	4,915,054		NY	67,161		NY	240,122		PA	83%	MS	87%								
WA	5,176		IA	137		GJ	0		IL	3,022,684		PA	43,002		GA	200,231		WA	83%	AK	85%								
MN	3,929		MA	137		MP	0		PA	2,749,767		CH	36,267		CH	187,225		MN	83%	CK	85%								
NC	3,470		GA	110		NE	0		CH	2,648,371		GA	35,095		PA	172,331		MO	83%	NC	83%								
PA	3,022		VA	108		NH	0		NC	2,574,867		IL	34,950		IL	153,562		MA	82%	RI	83%								
IL	2,733		CA	104		DC	-1		GA	2,458,946		MI	34,370		MI	137,855		AK	81%	NV	82%								
FR	2,720		MS	96		ME	-1		MI	2,350,468		NJ	32,800		KY	137,697		MD	81%	GA	82%								
47,945			1,675			12			42,065,542			521,372			2,526,675														
All states			90,846			2,974			-2,055			All states			78,733,952			941,982			4,582,488			All states		70%		67%	
Top ten			53%			56%			-1%			Top ten			53%			55%			55%			Median		77%		76%	

Some states not reporting

Five most improved US states

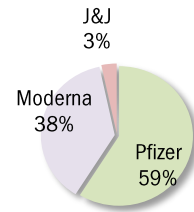
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
VA	-6,004	CA	-236	CO	-31	FR	+30 bp
SC	-5,307	CK	-139	HI	-25	AK	+10 bp
IL	-3,509	VA	-106	UT	-18	AR	+10 bp
TN	-3,461	AZ	-90	AZ	-15	CO	+10 bp
NJ	-3,456	SC	-53	OR	-14	DE	+10 bp



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	566,279,265		+0.448 million		US	64.6%	76.3%	
Boosters	94,660,087		+0.188 million		UK	71.7%	77.1%	
	One dose	% Pop	Immune	% pop	New immune today	France	77.4%	80.0%
Total population	260,793,820	78%	221,336,344	66%	+0.124 million	Spain	83.3%	87.8%
Age 12 to 17	17,278,058	68%	14,693,199	58%	+0.015 million	Germany	74.6%	75.6%
Age 18 to 64	175,831,678	86%	149,007,883	73%	+0.064 million	Italy	78.4%	83.8%
Age 65 and over	58,186,208	100%	50,319,609	92%	+0.007 million	Australia	79.3%	85.4%



State	Best
AK	68.4%
	60.9%

State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

State	Best
	Middle
	Worst

Immunity = two doses

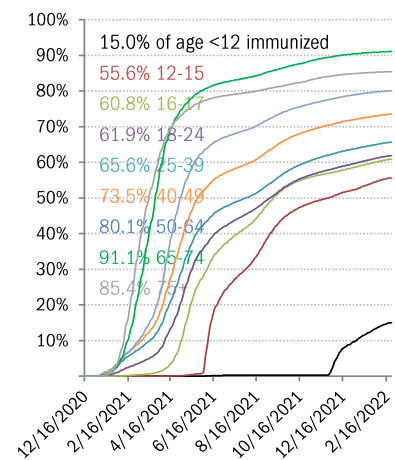
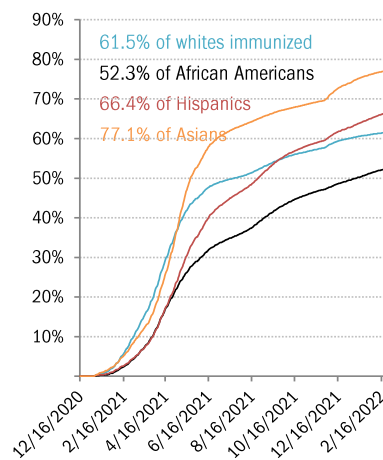
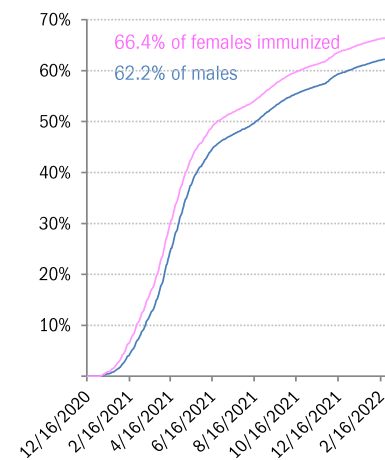
As of Feb 23

Israel	65.9%	72.1%
Canada	81.0%	85.5%
Japan	79.4%	80.6%
Africa	12.8%	17.9%
India	56.0%	69.2%
Brazil	72.0%	82.7%
China	85.3%	87.8%

Global data differs due to sources, timing

					WI					ME
					71.0%					89.2%
					64.5%					78.3%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
79.6%	60.2%	64.4%	64.4%	74.3%	75.9%	65.9%		88.8%	92.8%	95.0%
71.3%	53.0%	55.8%	54.4%	68.0%	67.3%	59.1%		75.4%	80.1%	69.8%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
76.8%	73.9%	57.9%	74.8%	67.2%	60.6%	62.8%	83.2%	88.8%	95.0%	
68.6%	59.6%	50.5%	59.8%	61.0%	53.9%	57.5%	66.8%	74.1%	77.5%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
81.7%	71.1%	78.2%	69.3%	65.3%	65.2%	64.1%	84.4%	84.7%	93.8%	95.0%
70.3%	63.1%	69.1%	62.4%	55.0%	56.4%	56.7%	71.8%	73.9%	77.7%	80.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	71.3%	85.7%	73.3%	65.7%	61.3%	82.1%	66.4%	94.9%	81.6%	
	59.9%	69.5%	60.0%	53.4%	53.5%	59.2%	55.7%	71.3%	67.4%	
			OK	LA	MS	AL	GA			
			69.9%	60.0%	58.7%	61.8%	64.2%			
			55.9%	52.4%	50.8%	50.1%	53.5%			
HI			TX					FL		PR
86.1%			70.8%					78.0%		95.0%
77.1%			59.9%					65.8%		81.2%

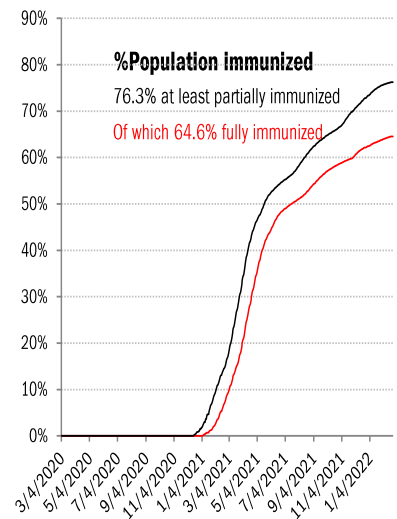
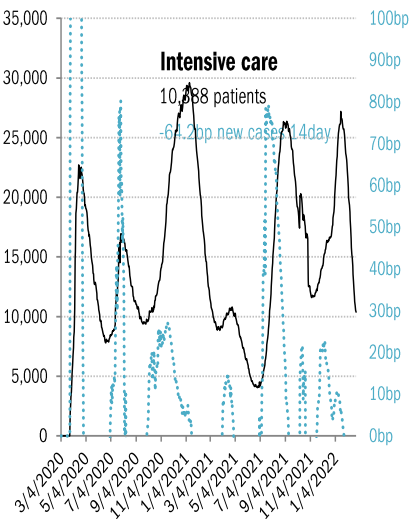
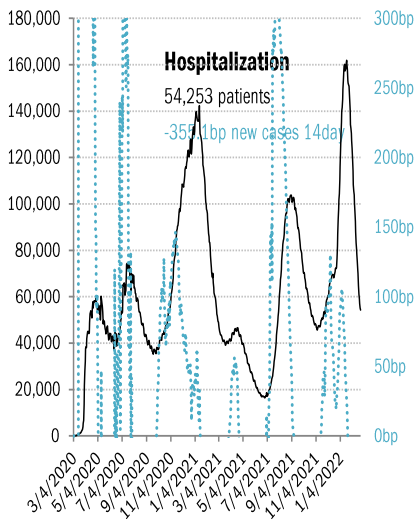
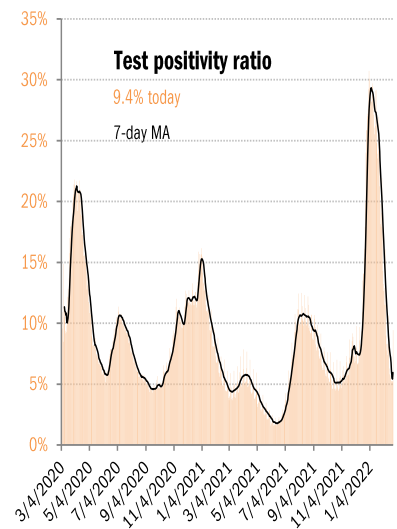
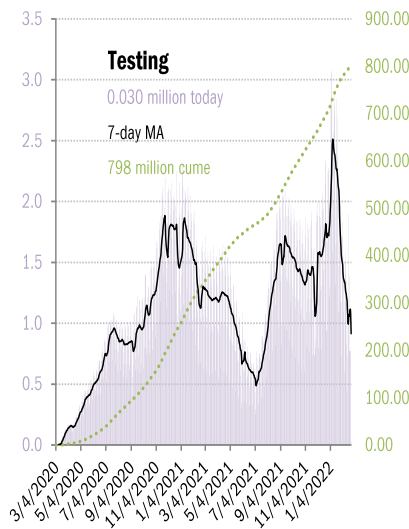
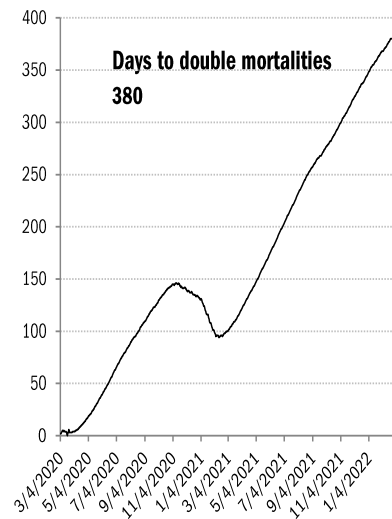
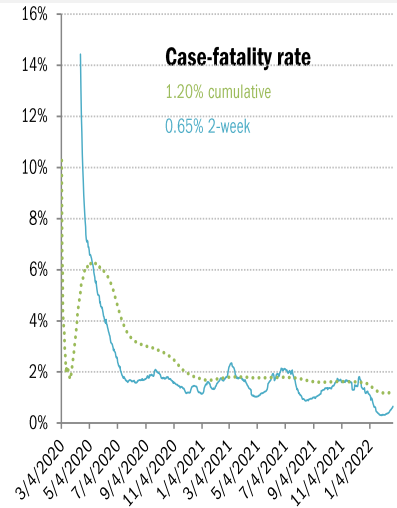
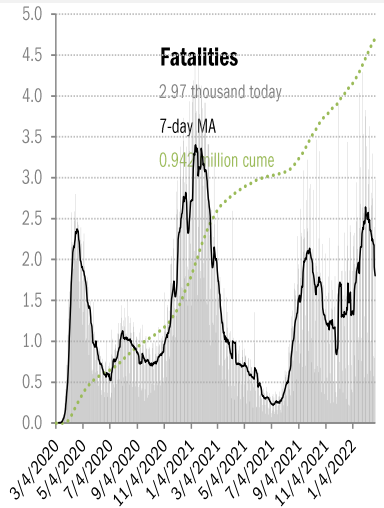
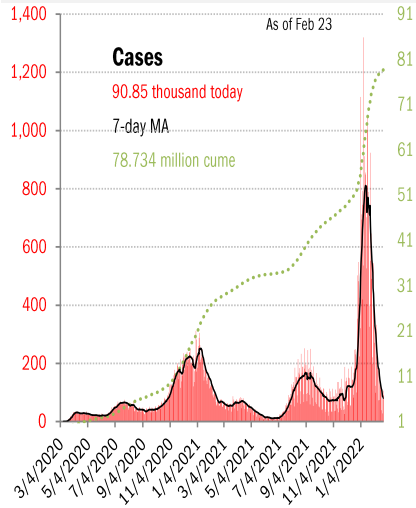
The demographics of US vaccination



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

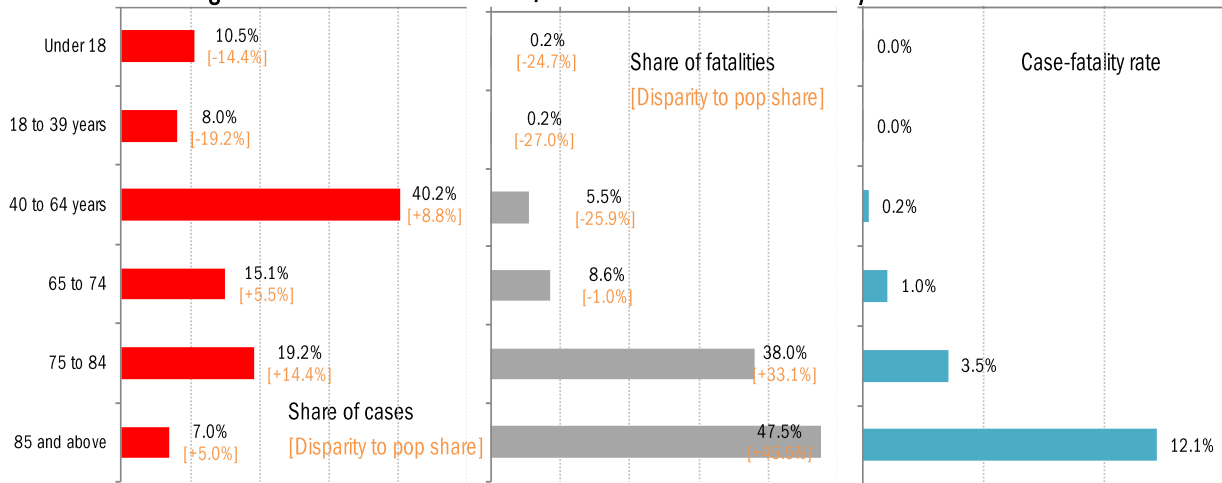
US deep-dive

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

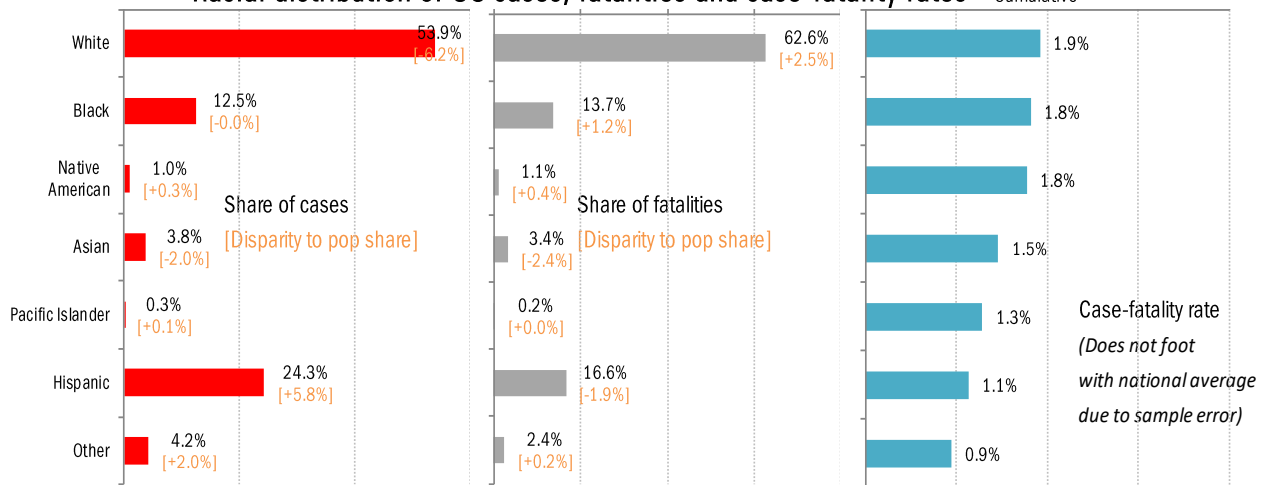


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

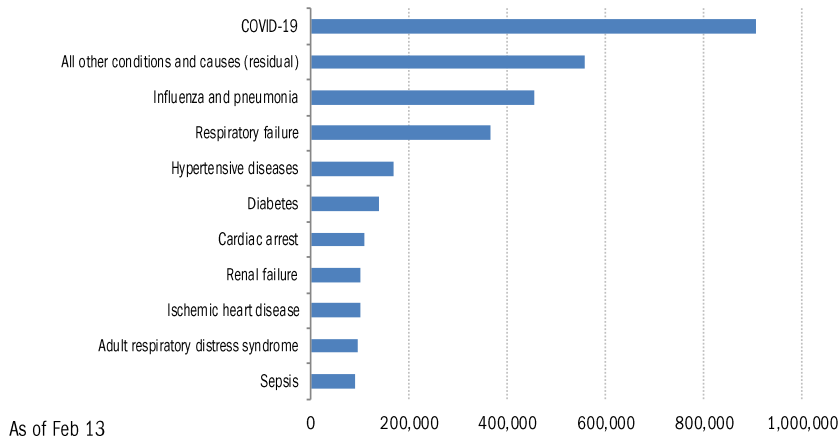


Racial distribution of US cases, fatalities and case-fatality rates



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

[Canada's Trudeau Revokes Use of Emergency Powers](#)

Paul Vieira and Kim Mackrael
Wall Street Journal
February 23, 2022

[Federal Government's Long, Shameful Record of Failures in Battling COVID-19](#)

Robert Moffit
Daily Signal
February 22, 2022

[The Science Behind Why Children Fare Better With Covid-19](#)

Sarah Toy
Wall Street Journal
February 21, 2022

[US ports to get \\$450M to speed flow of goods, lower prices](#)

Hope Yen
AP
February 23, 2022

[The U.S. mask mandate for air travel is due to expire in March, but some flight attendants say that's too soon.](#)

Alyssa Lukpat
New York Times
February 23, 2022

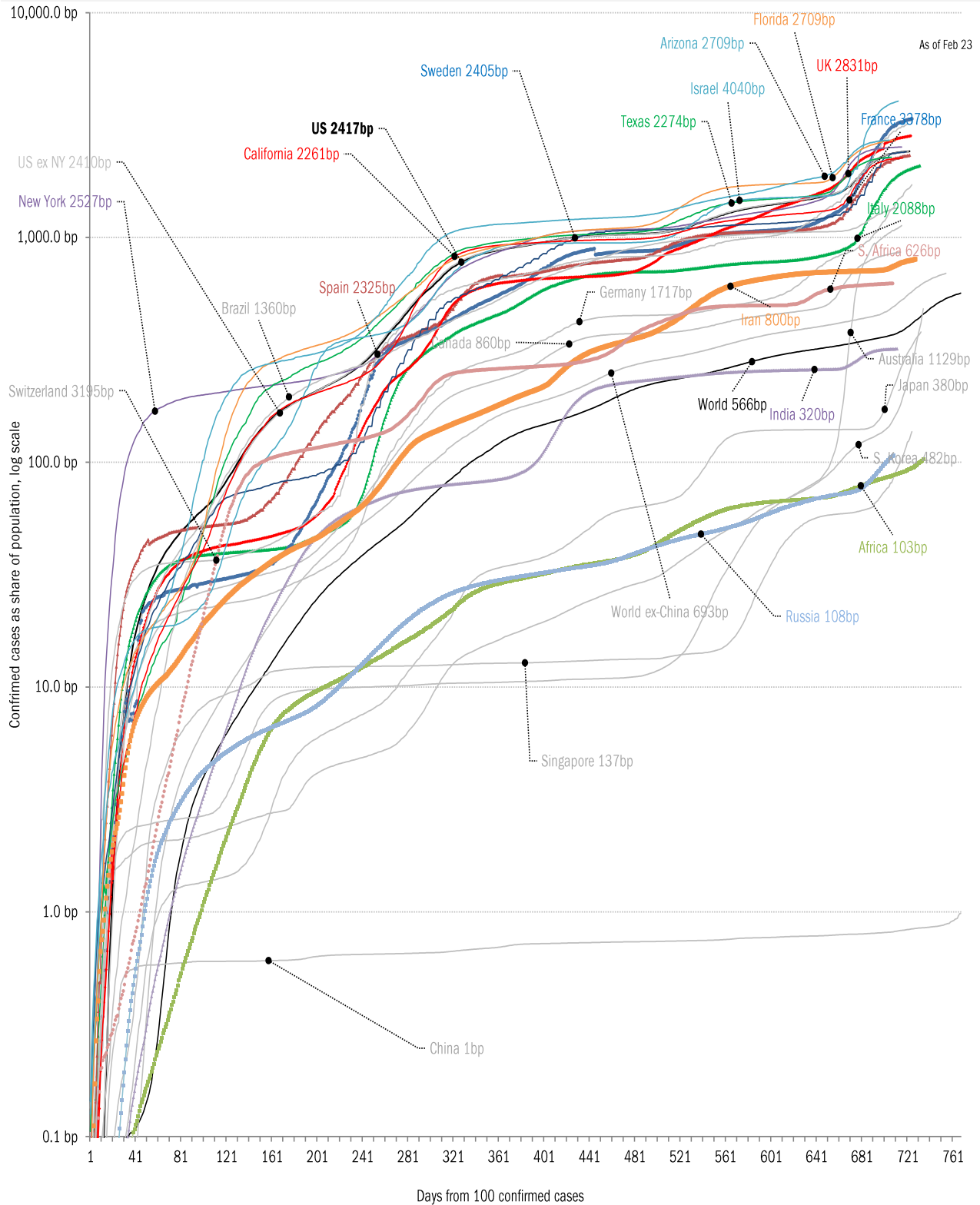
Meme of the day



Triple Vaxxed Joe Biden Takes His Dog for Walk on the Beach in a Mask

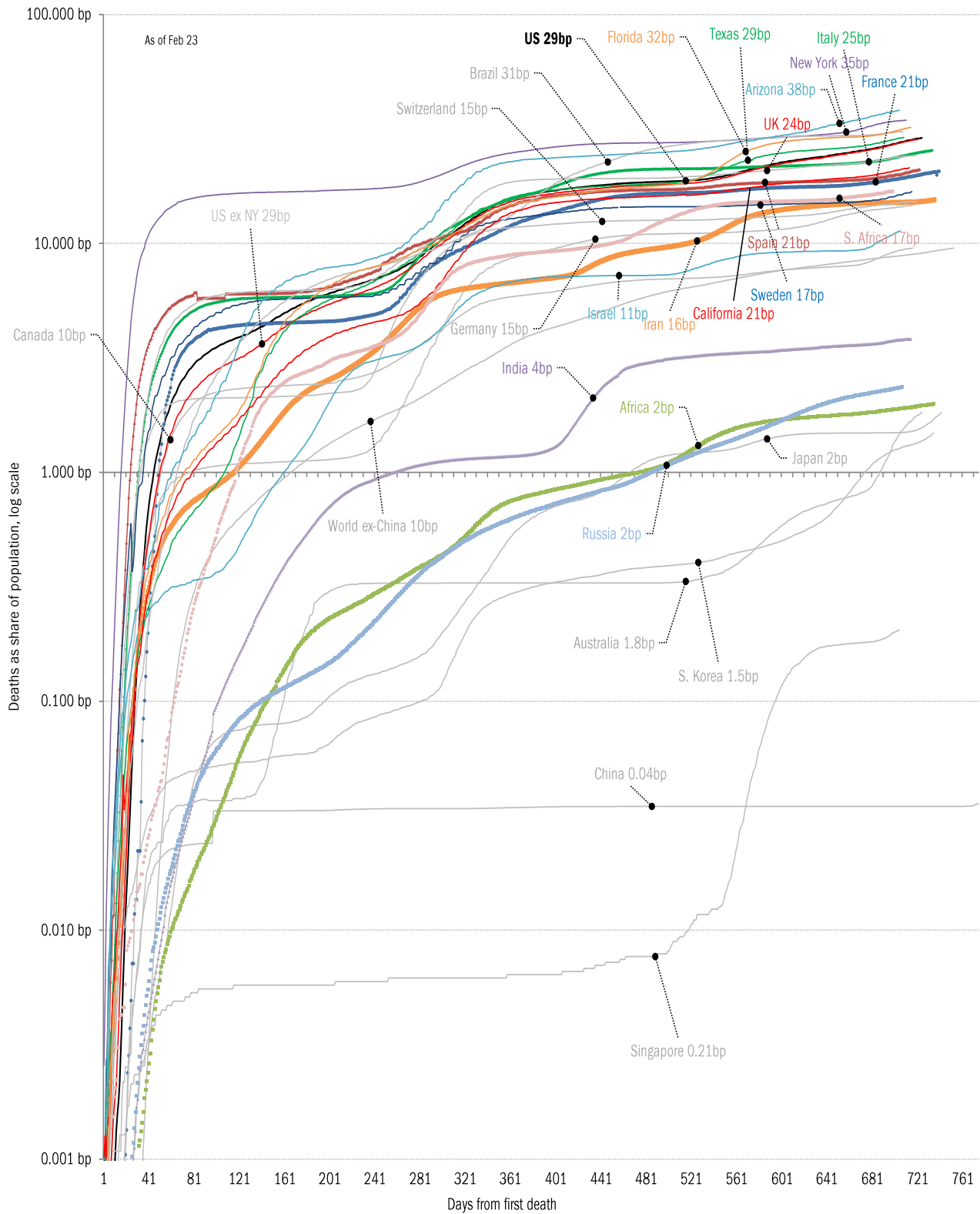
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

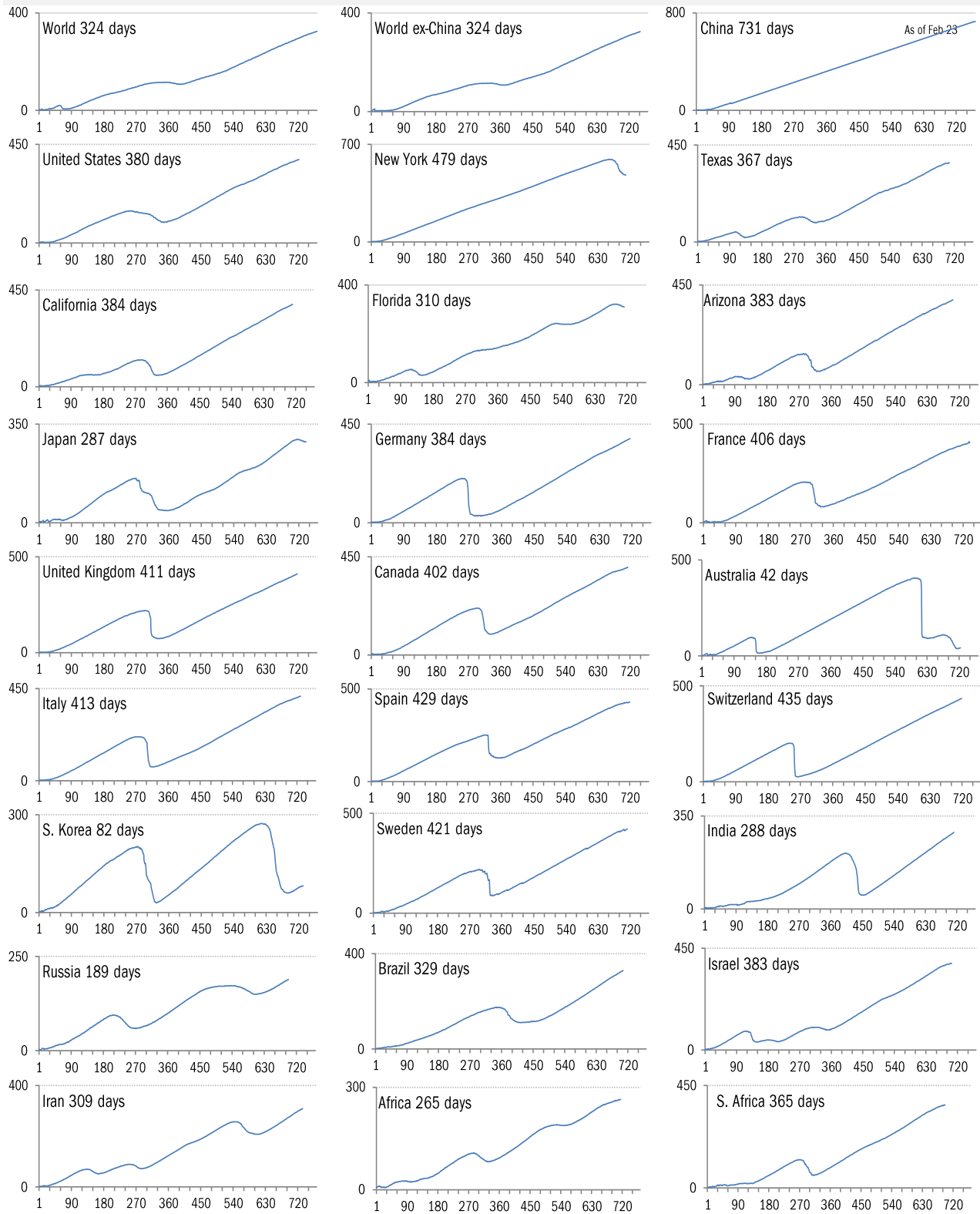


Source: [Johns Hopkins](#), TrendMacro calculations

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

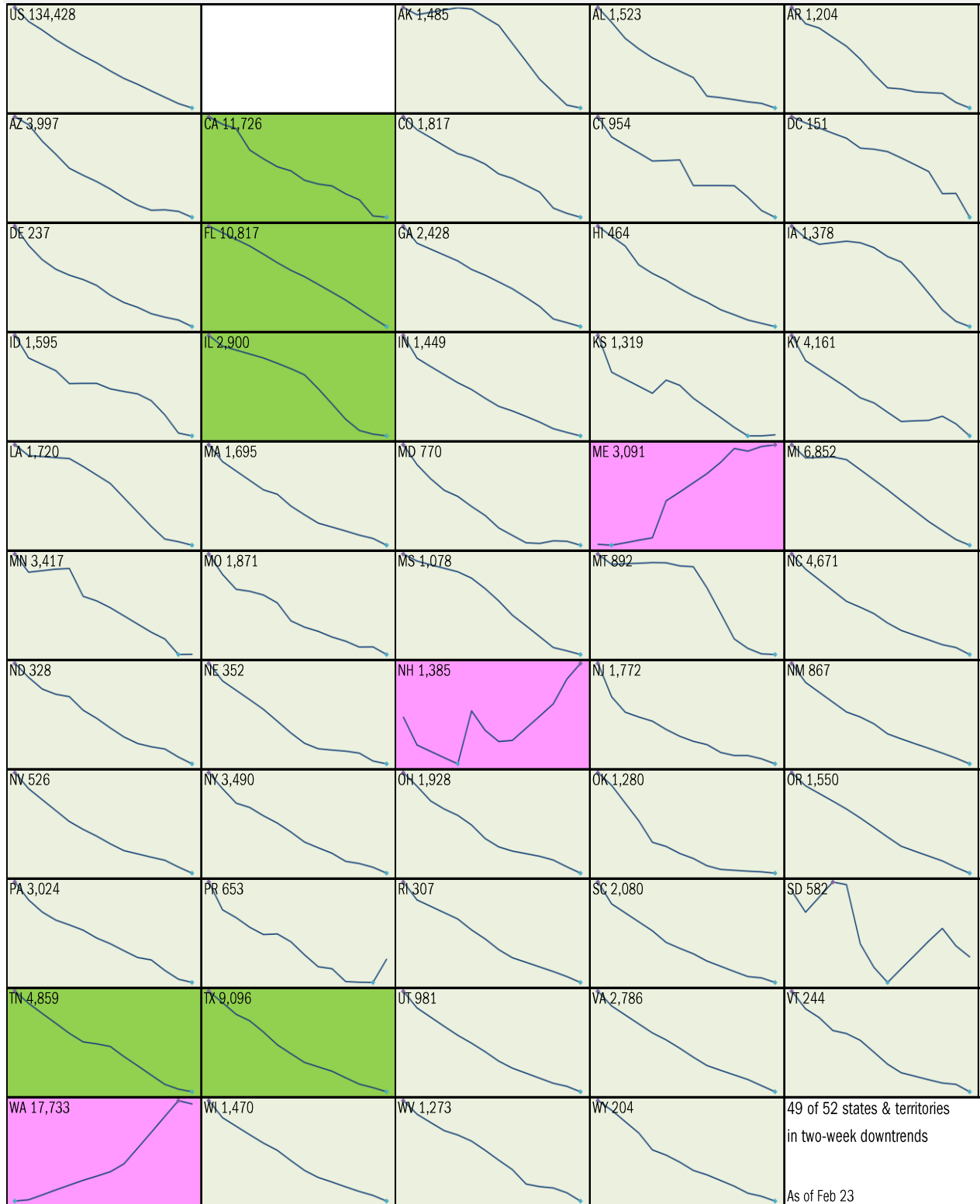
Vertical: days to double deaths Horizontal: days from first death

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

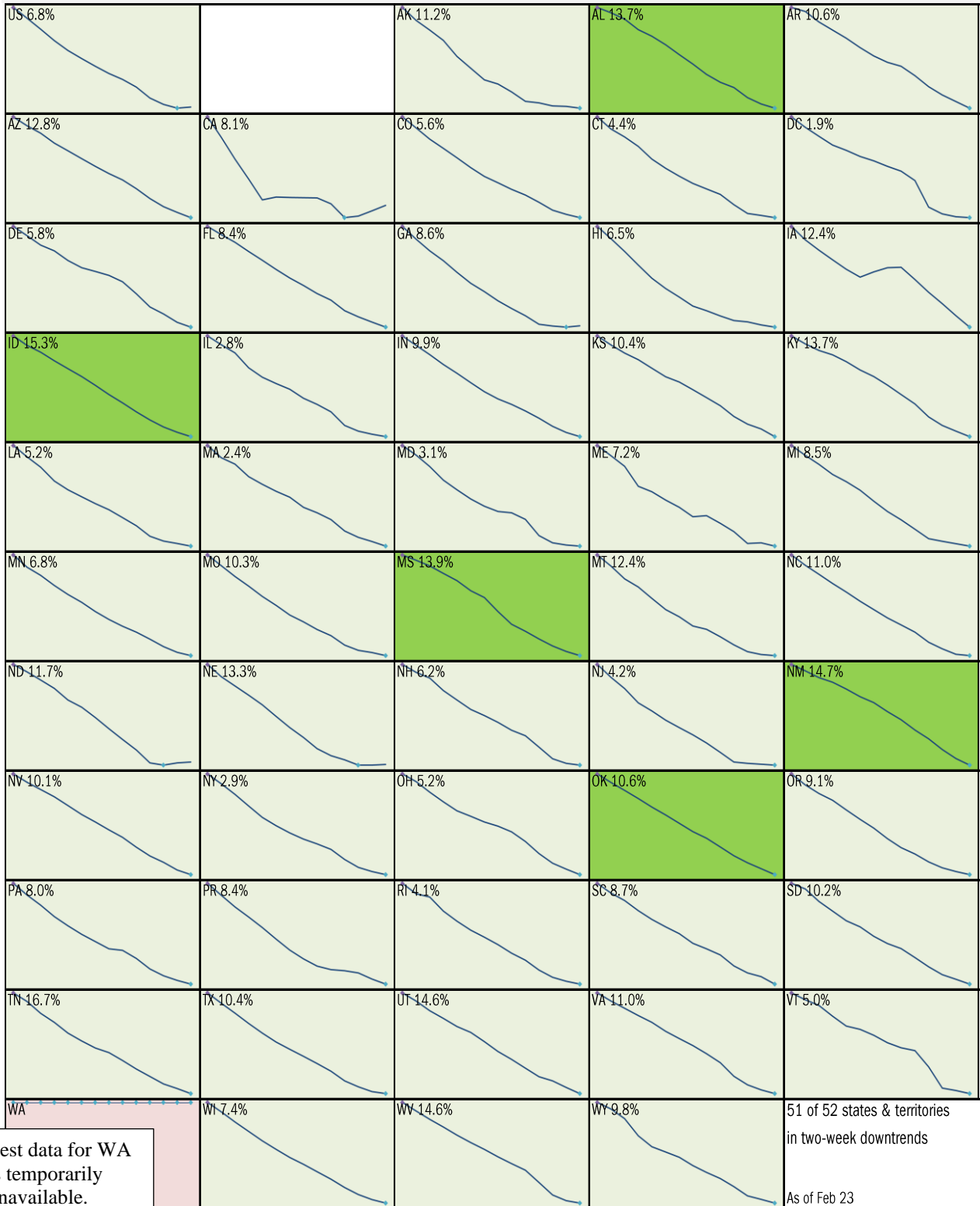


Source: [Johns Hopkins](#), TrendMacro calculations

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



51 of 52 states & territories in two-week downtrends

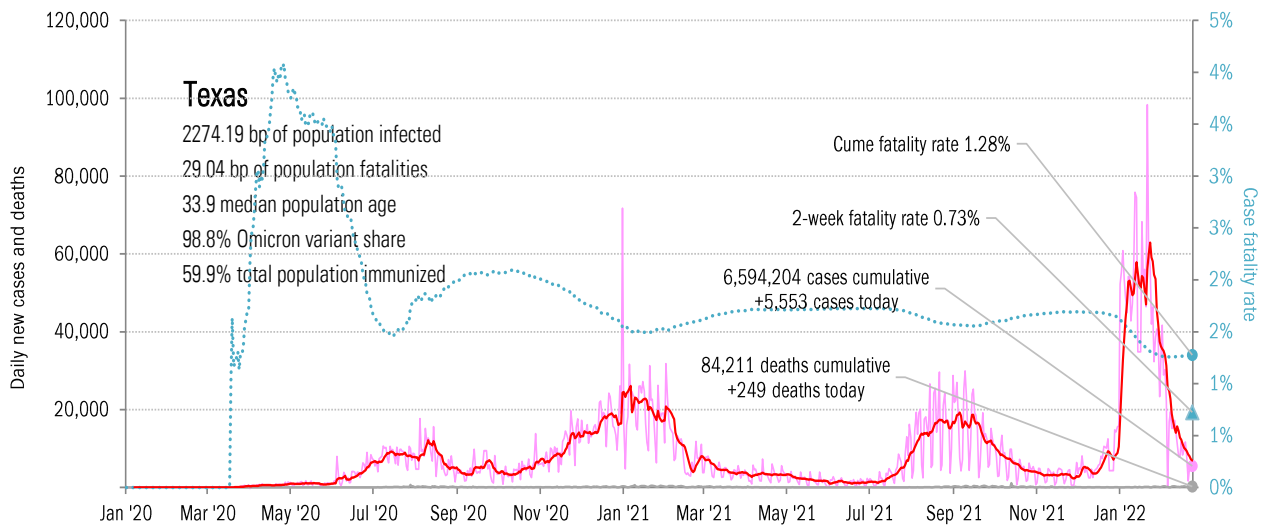
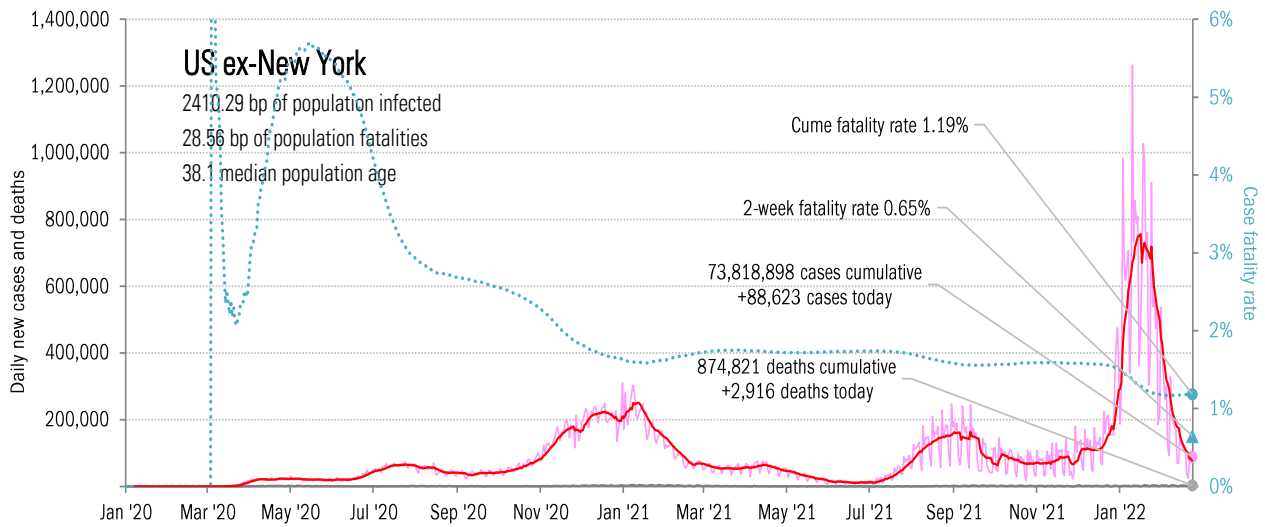
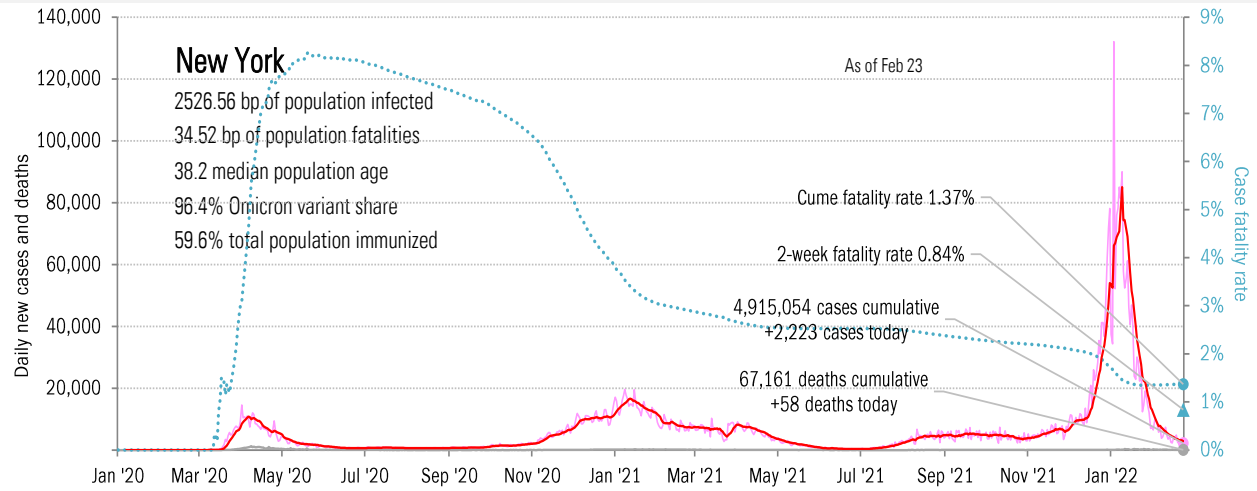
As of Feb 23

Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

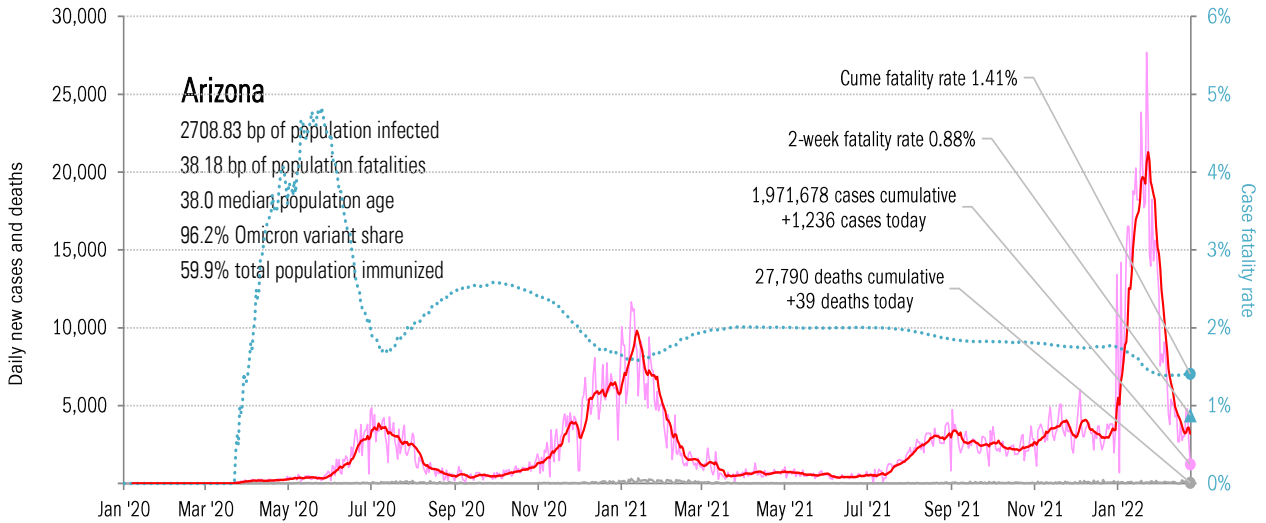
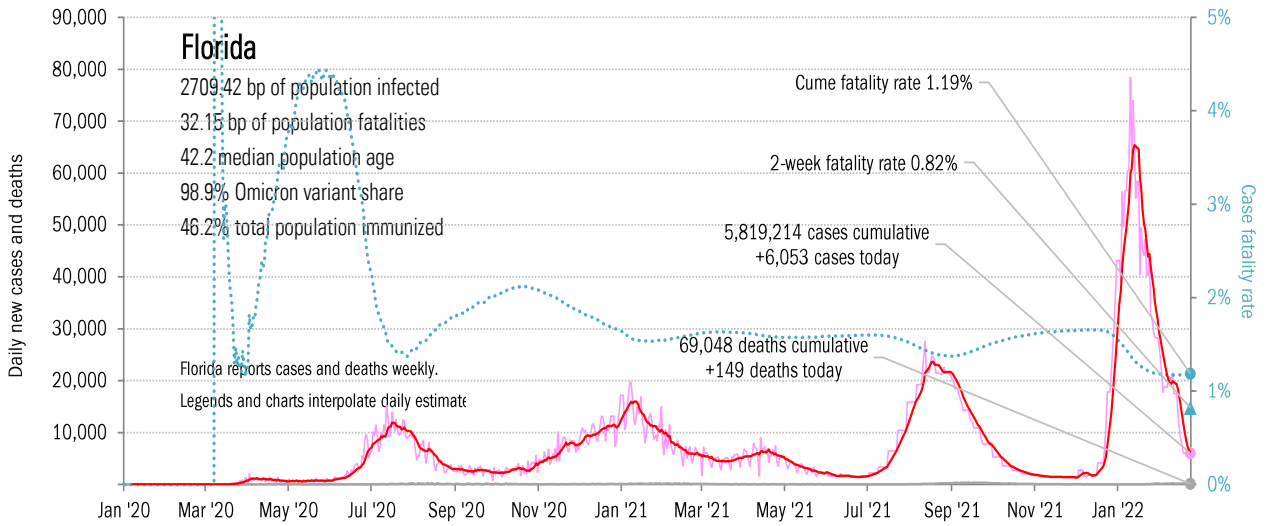
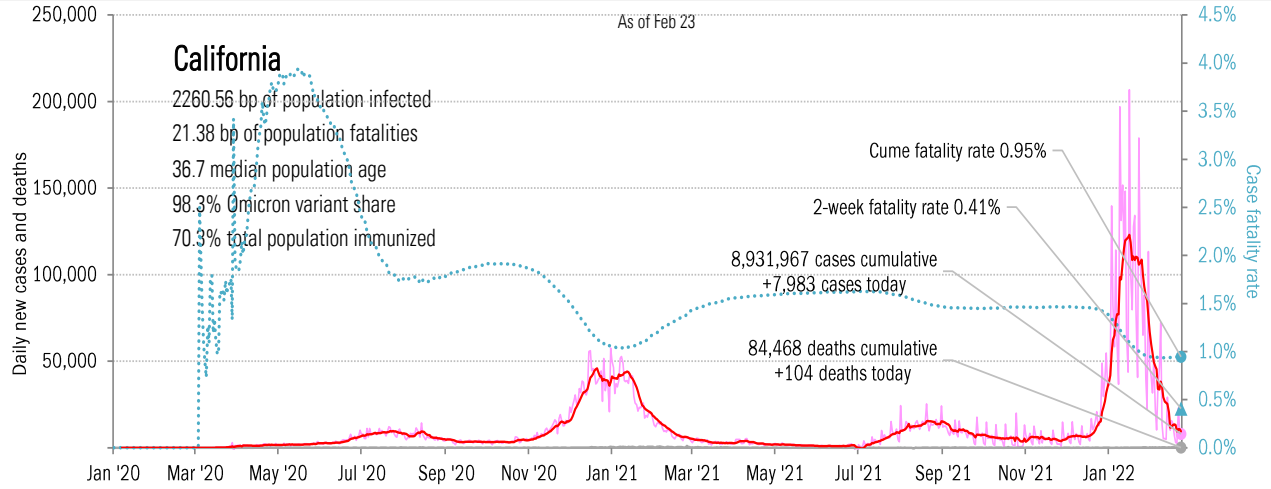
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

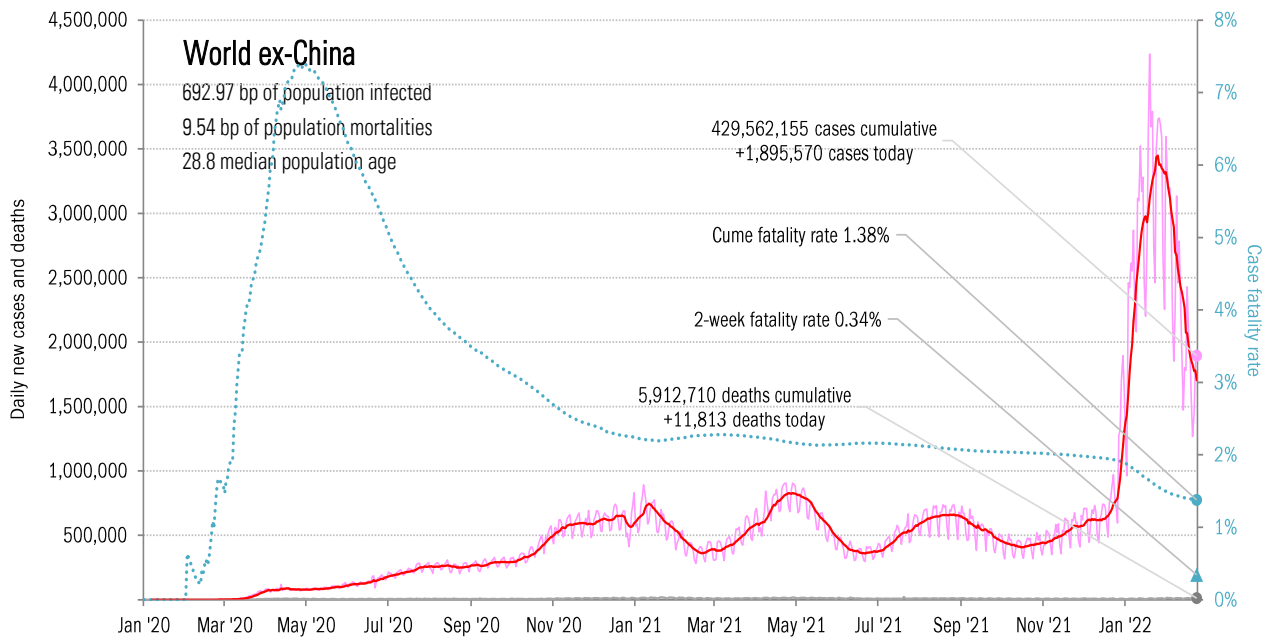
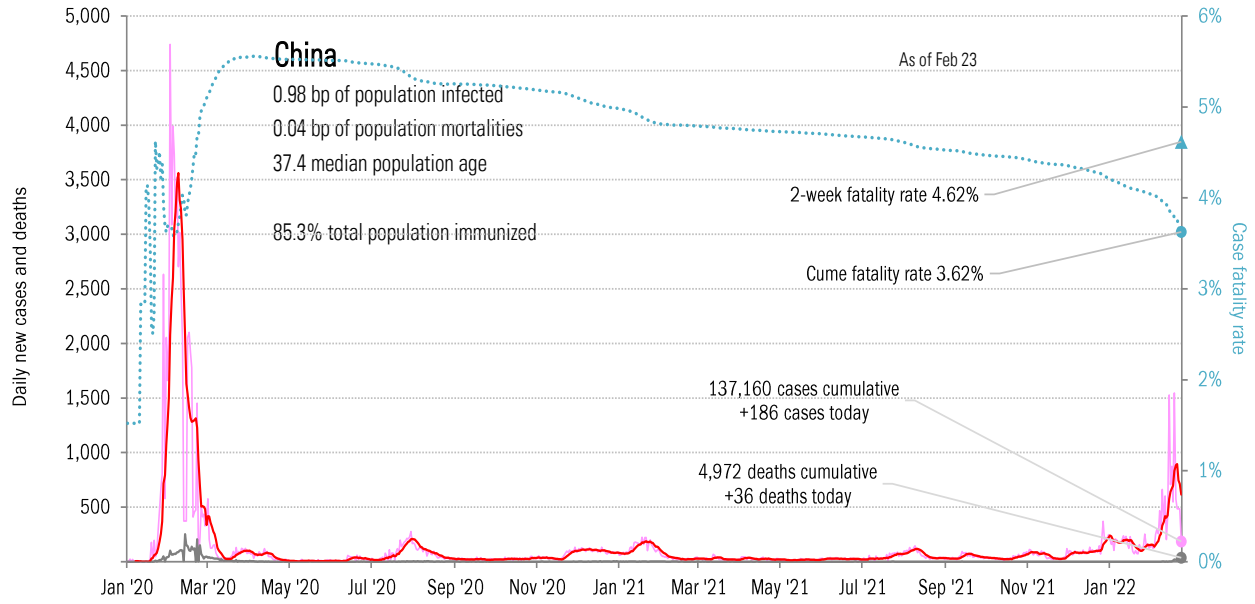
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

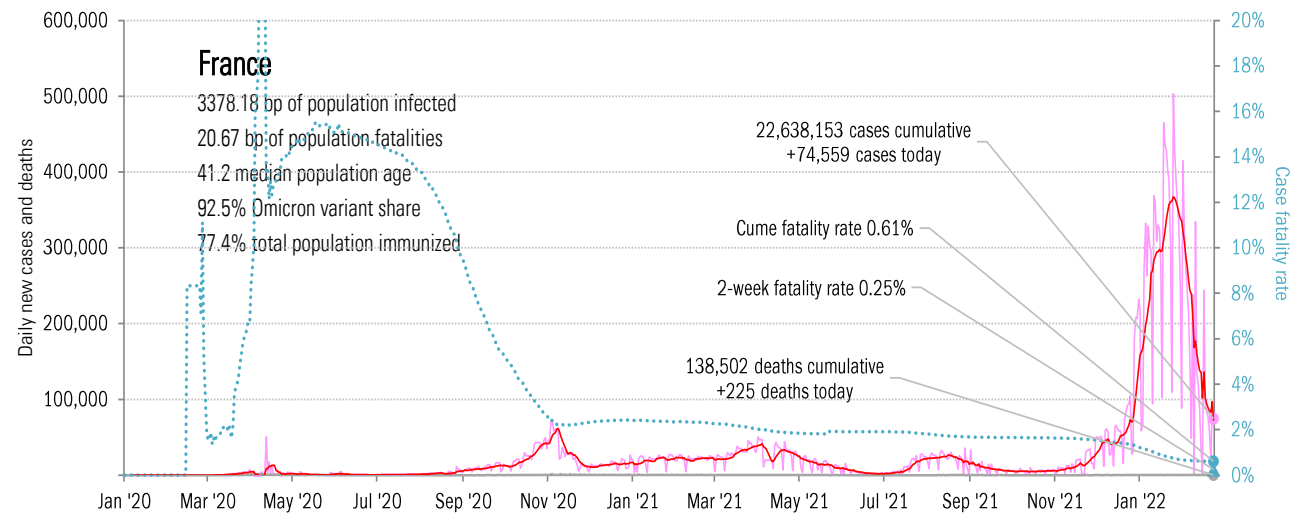
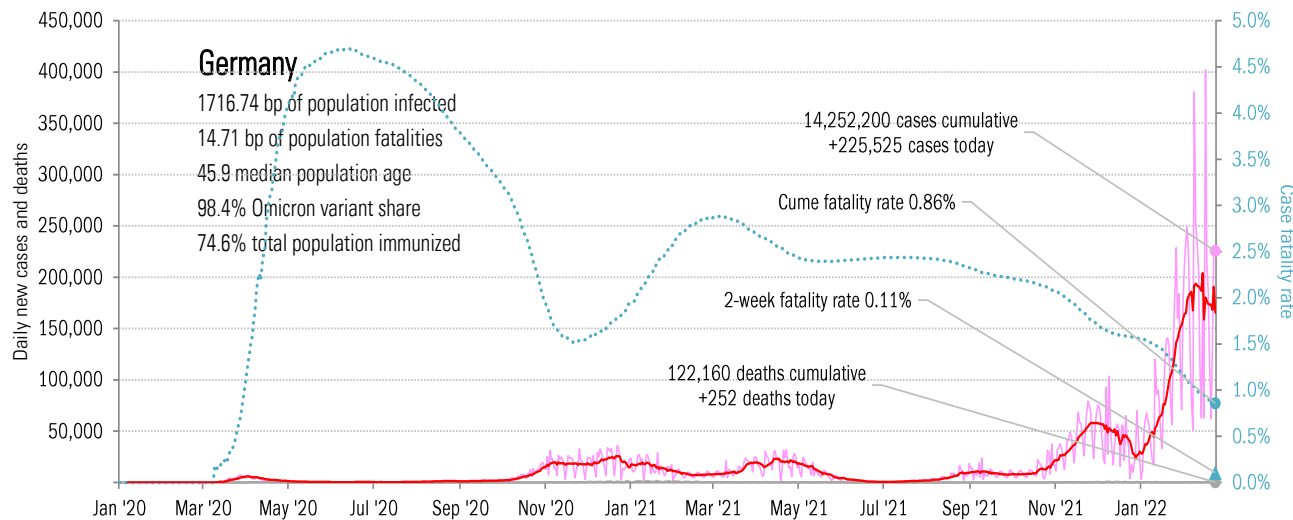
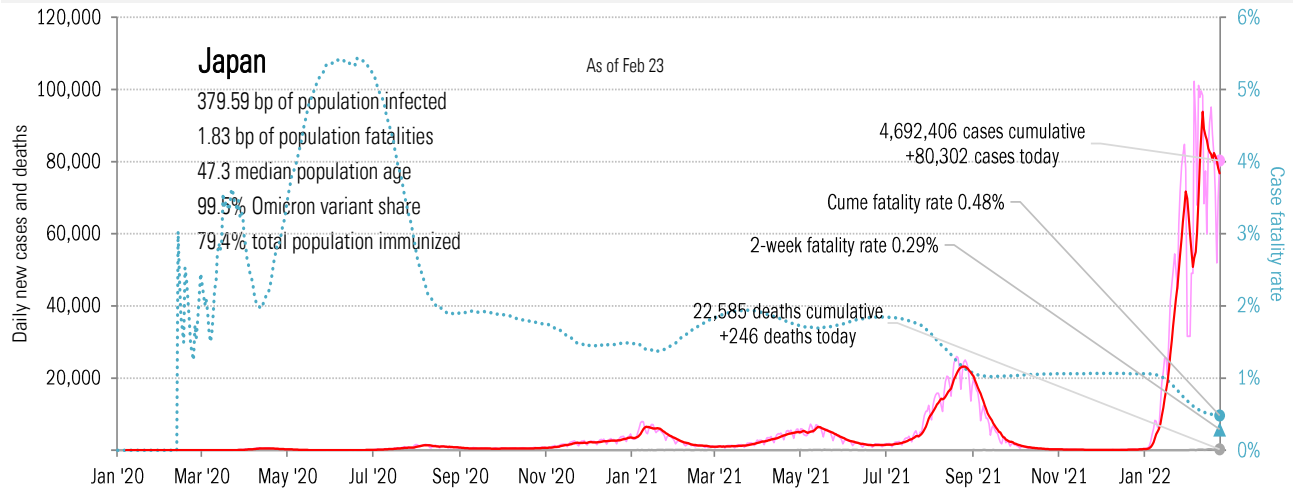
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

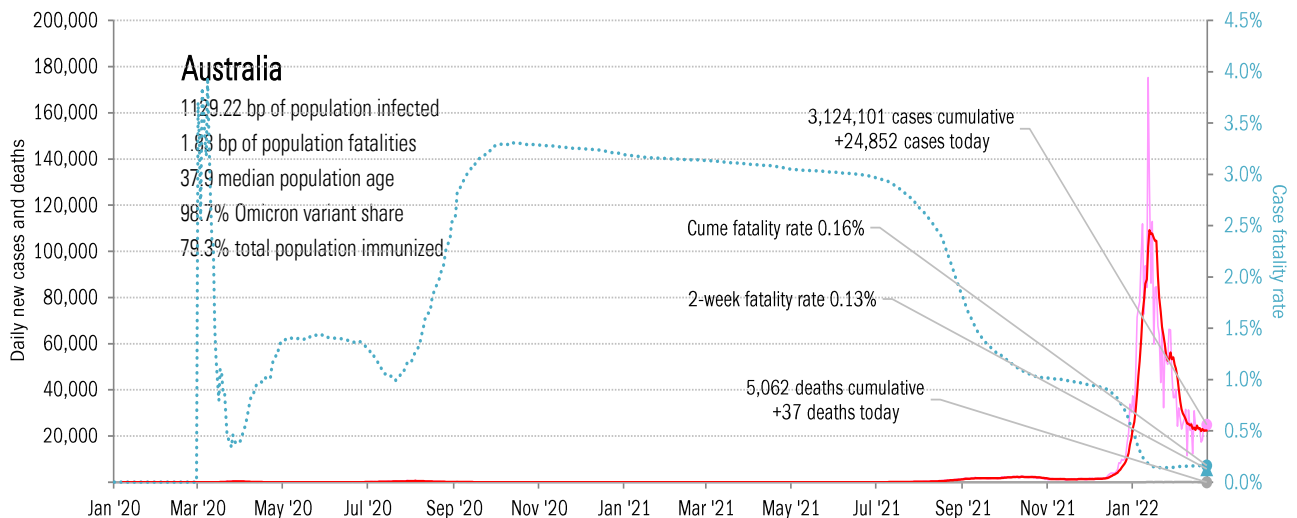
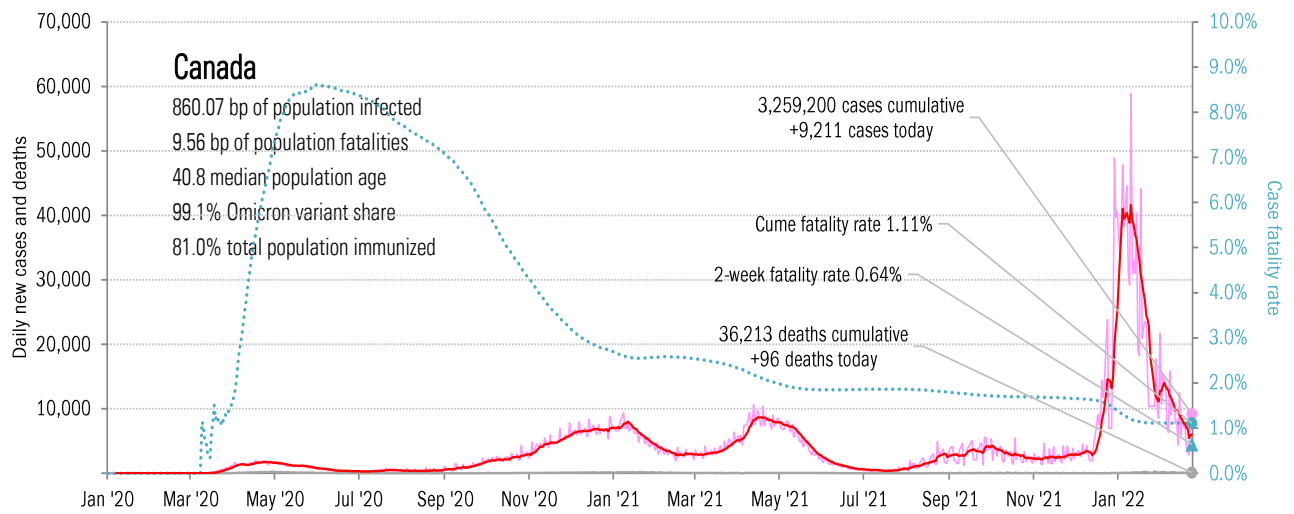
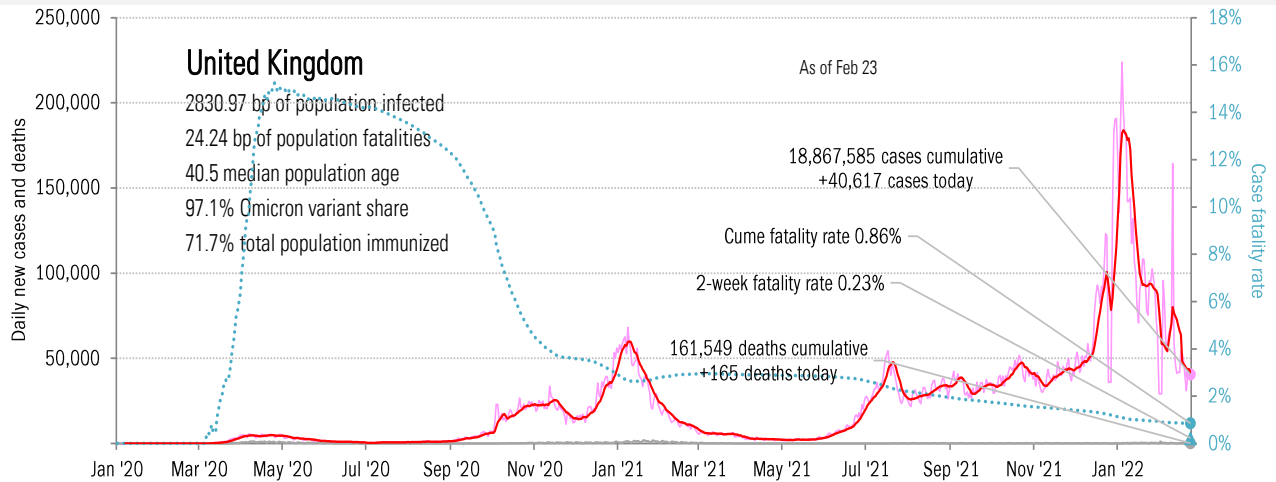
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

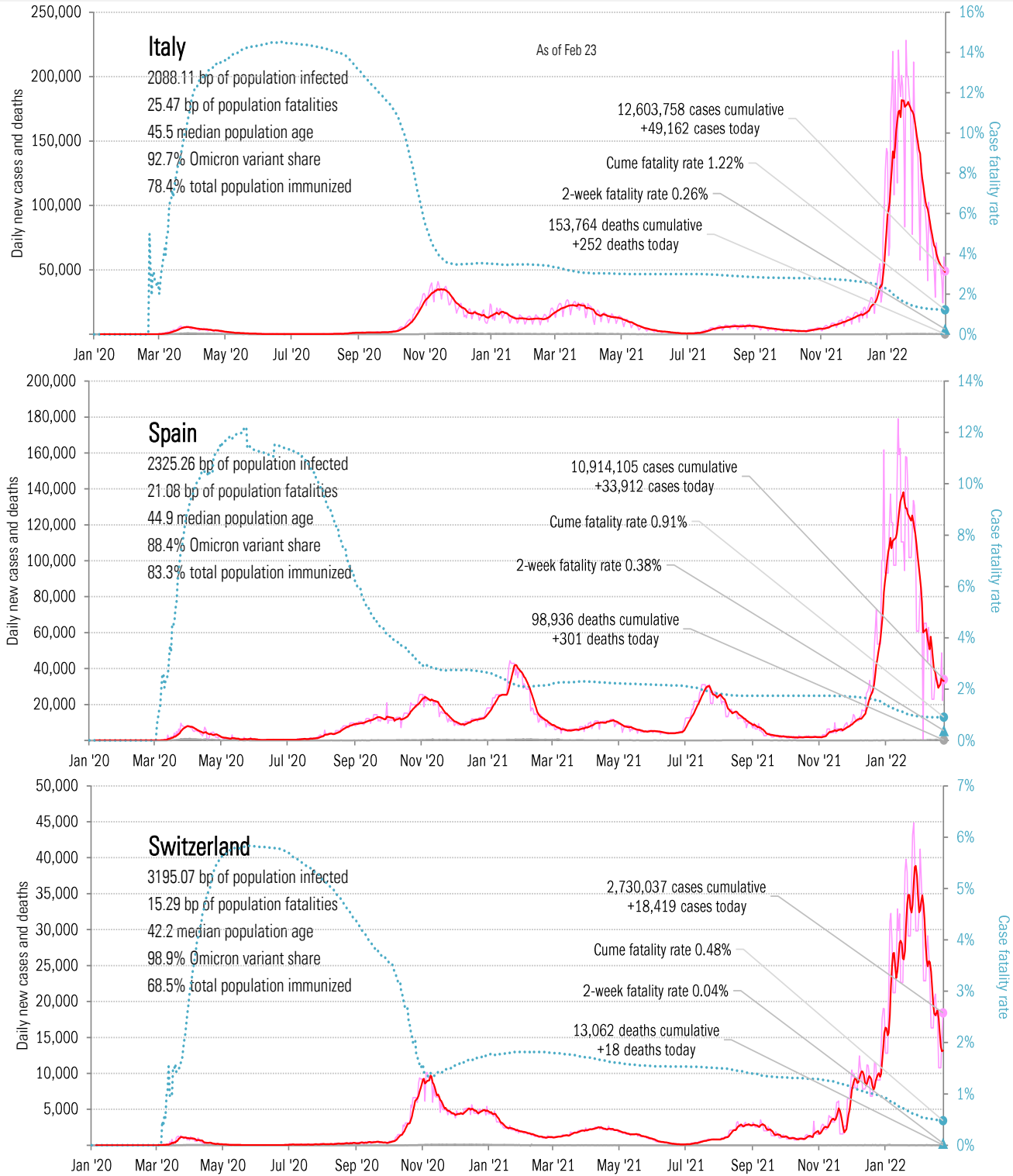
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

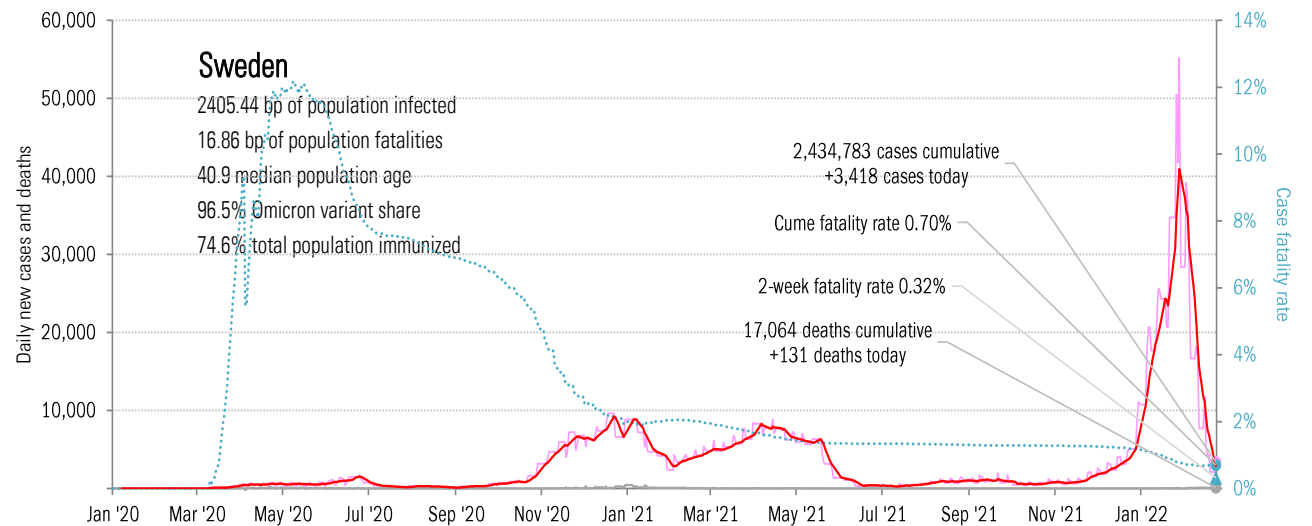
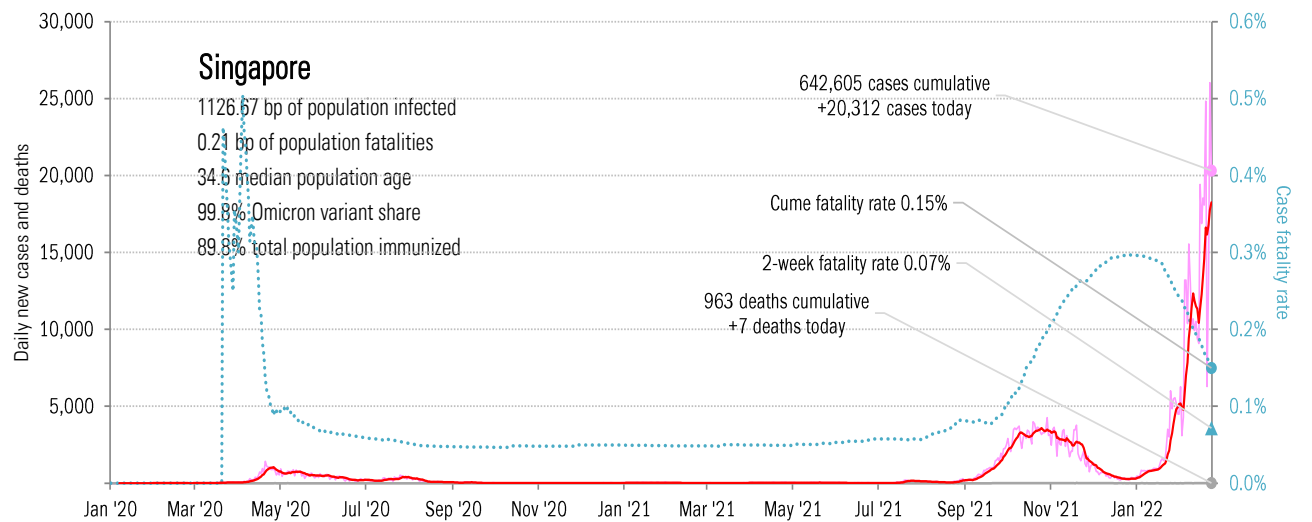
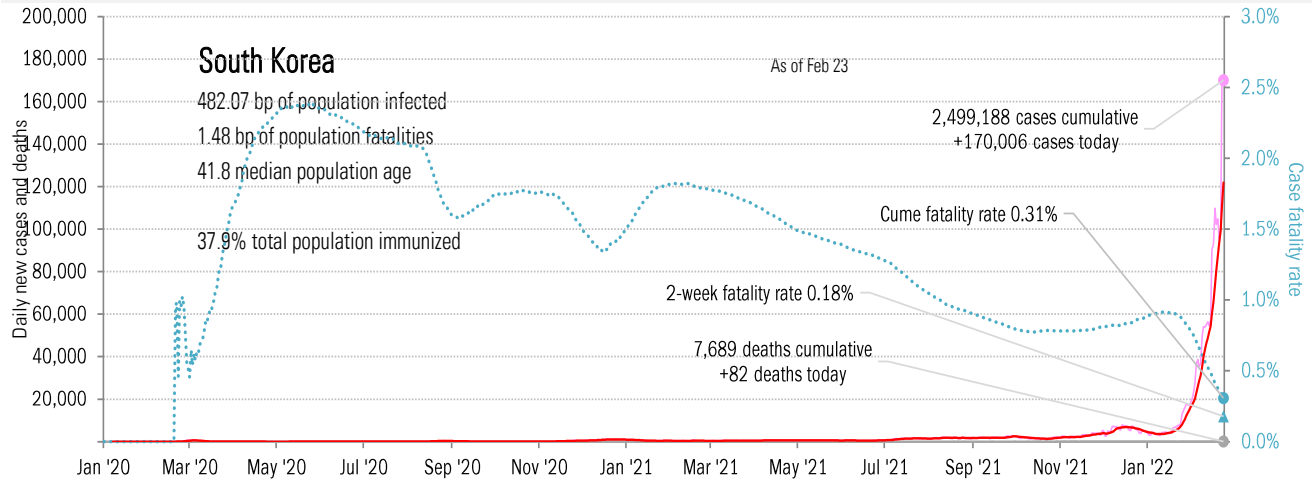
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

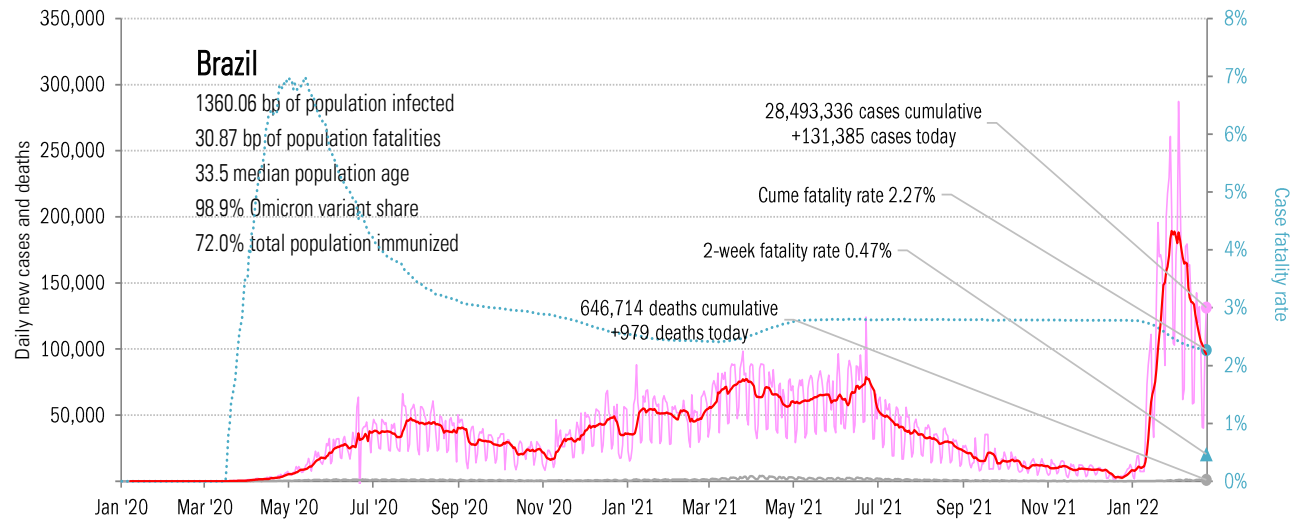
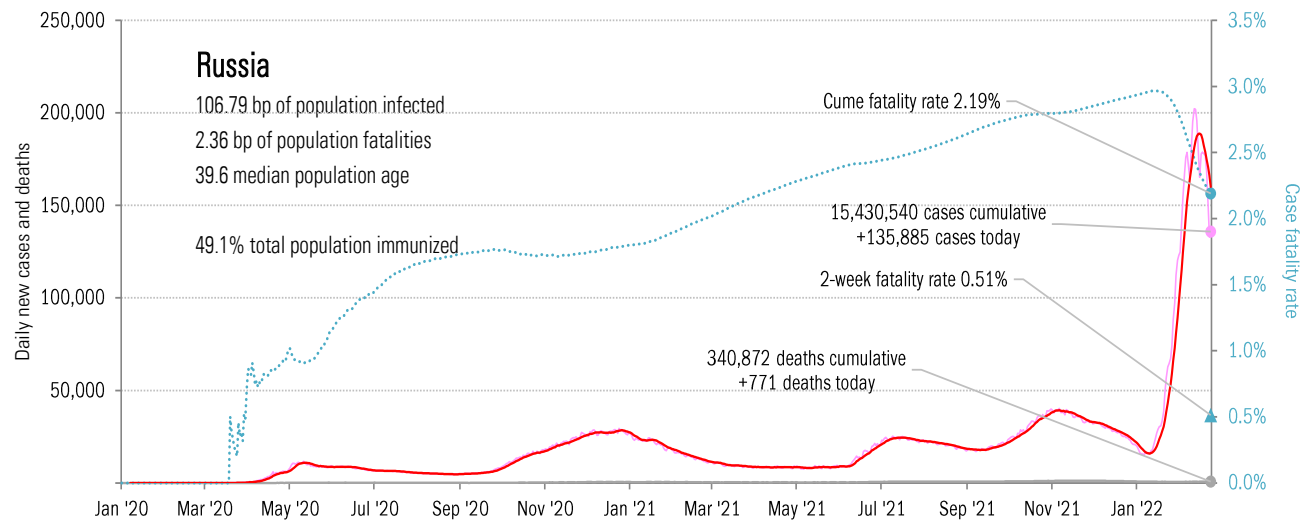
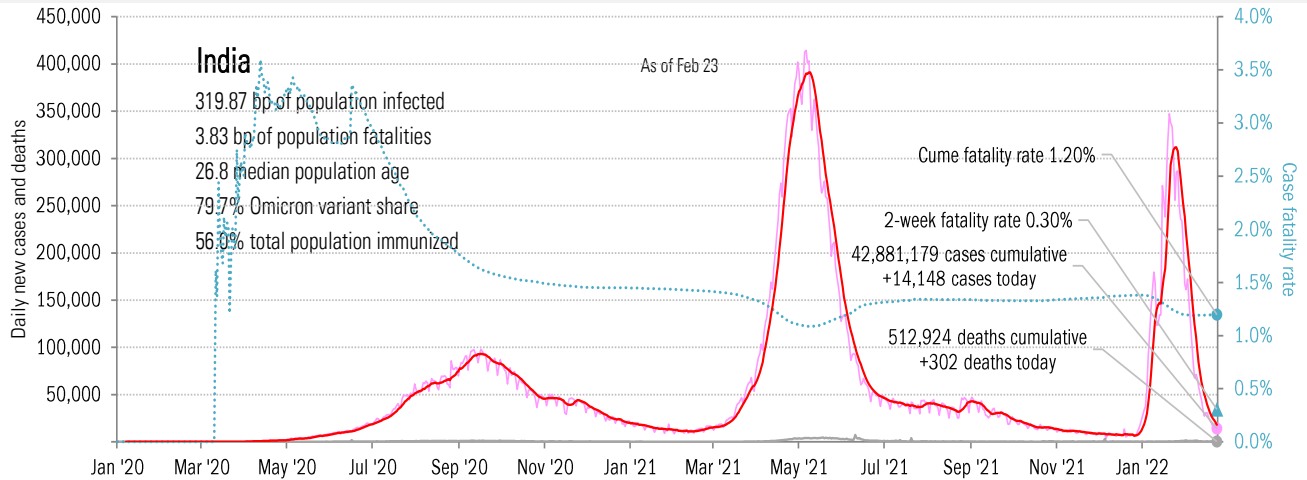
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

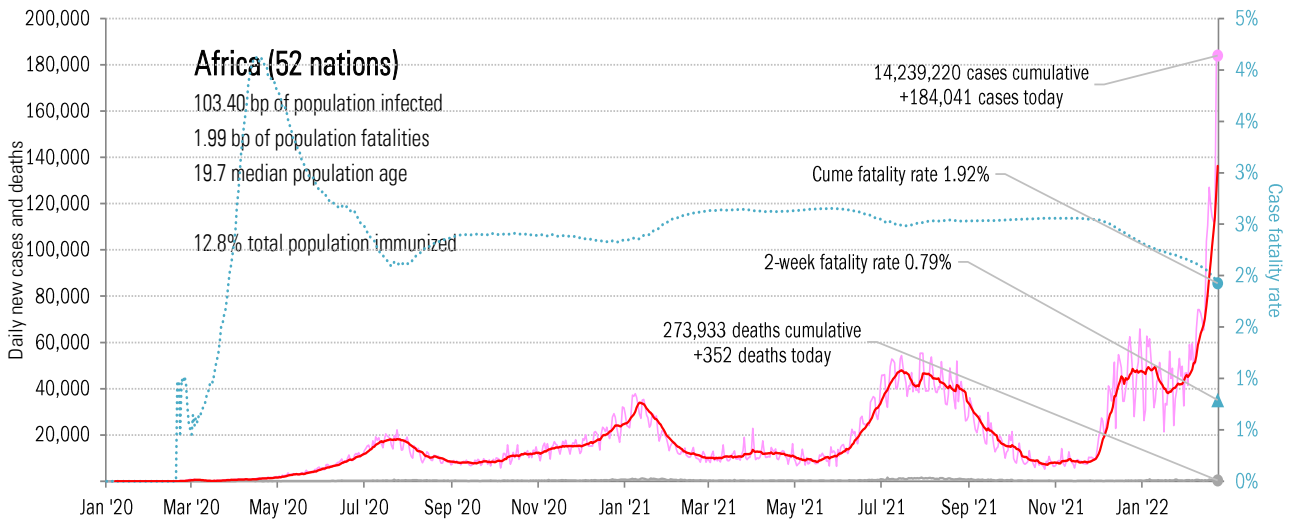
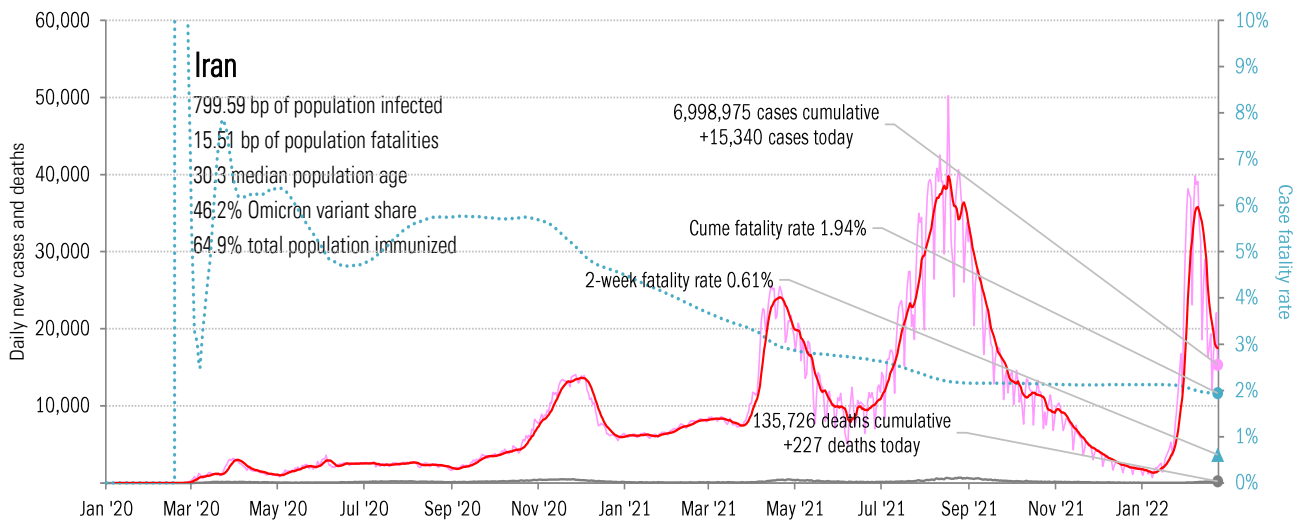
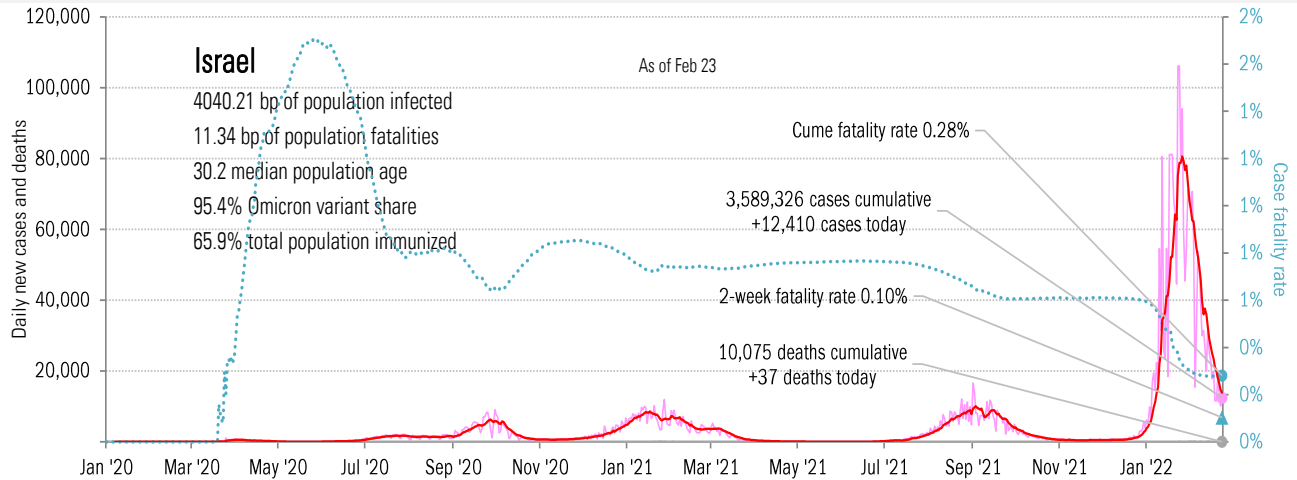
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

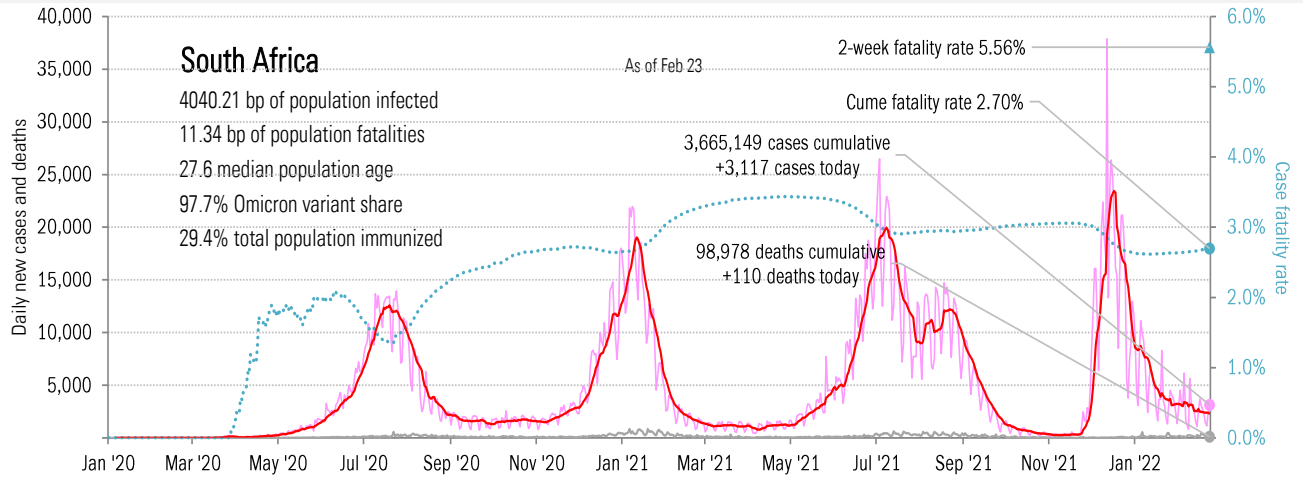
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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