

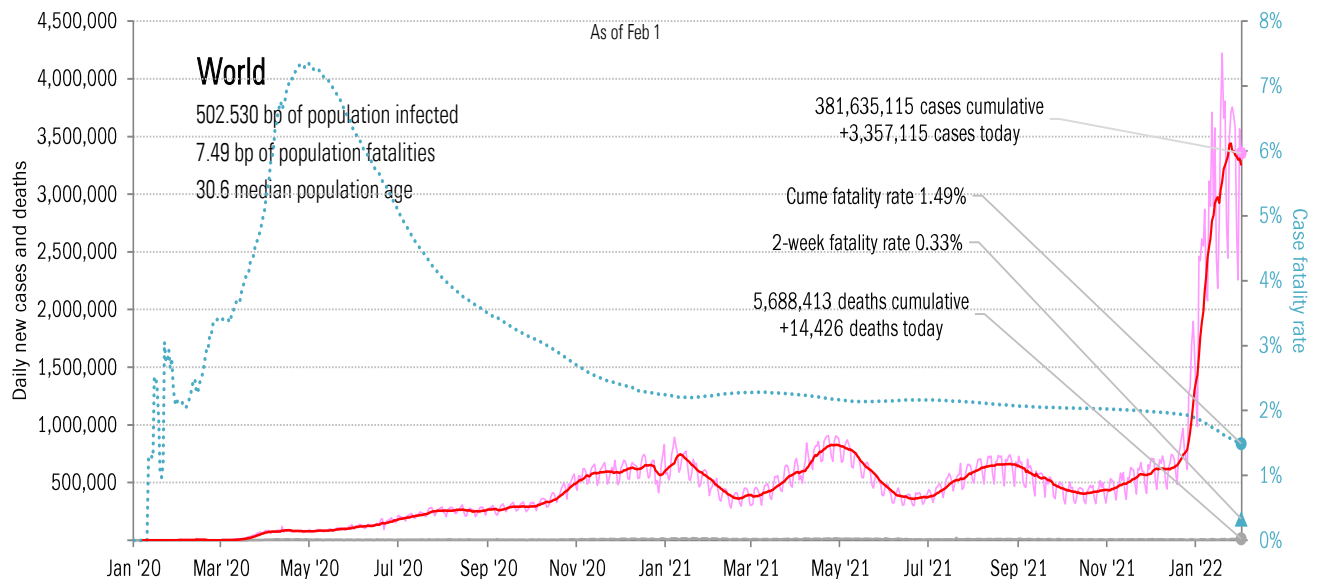
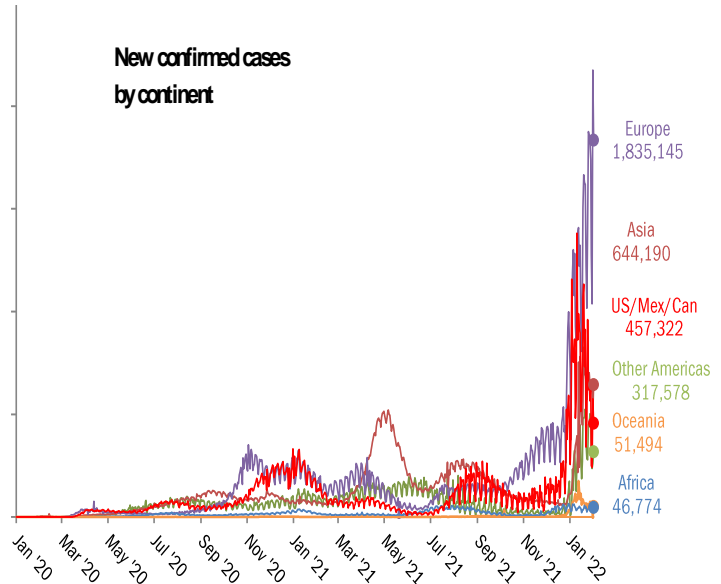
Data Insights: Covid-2019 Monitor

Wednesday, February 2, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
France	414,735	United States	3,745
United States	403,526	India	1,733
Germany	211,277	United Kingdom	1,123
Brazil	171,251	Mexico	829
India	161,386	Brazil	767
Japan	142,451	Russia	649
Italy	133,306	Italy	427
Russia	124,693	Spain	408
Sweden	113,454	France	370
United Kingdom	113,155	Peru	329
1,989,234		10,380	
World	3,357,115	World	14,426
Top ten	59%	Top ten	72%



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

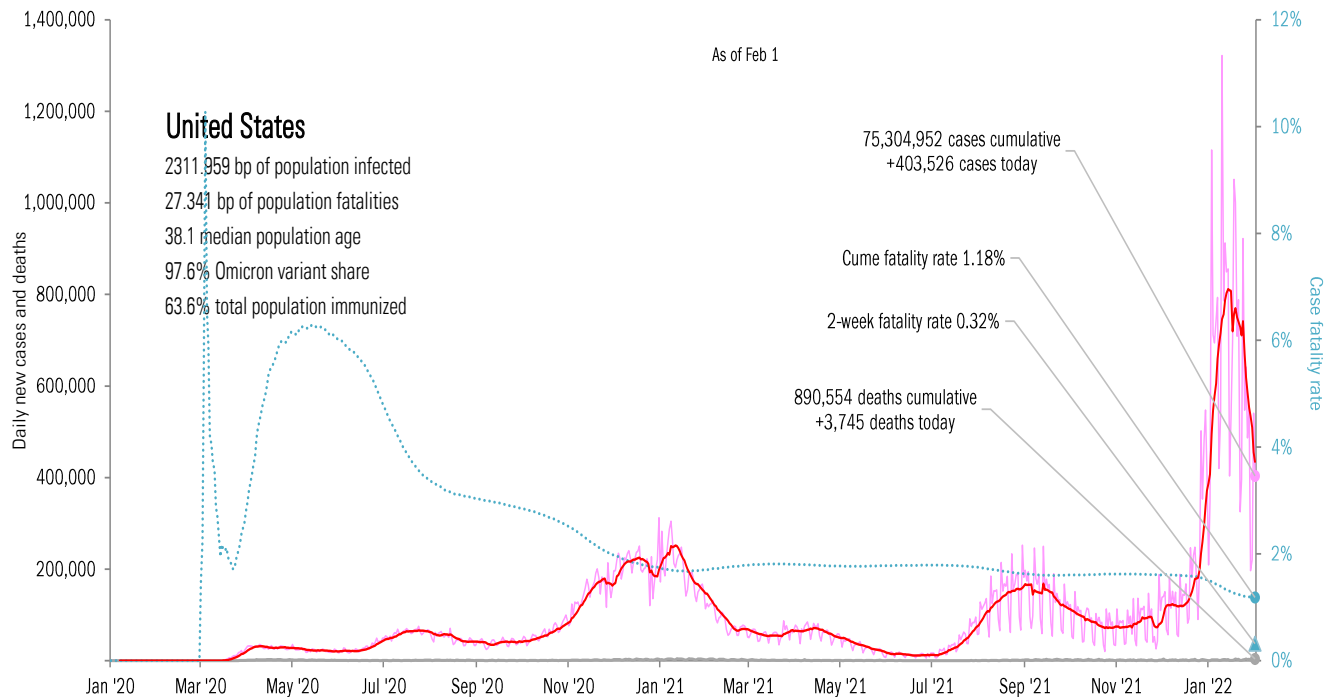
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
TN	100,935		MO	315		HI	5		CA	8,453,060		CA	80,176		TX	458,873		WA	85%	CK	95%
TX	41,697		PA	255		ND	3		TX	6,300,033		TX	79,699		CA	392,349		MA	85%	AL	94%
SC	34,150		TX	252		AS	0		FL	5,510,467		NY	65,060		FL	390,613		GA	85%	TX	94%
CA	25,278		SC	242		GU	0		NY	4,811,937		FL	65,055		NY	232,186		PA	83%	NM	94%
FL	24,683		NY	214		MP	0		IL	2,929,636		PA	40,836		GA	193,169		RI	83%	MS	90%
MN	21,337		AZ	140		VI	-1		PA	2,667,166		CH	33,537		CH	180,721		NV	82%	NV	88%
GA	10,226		CA	132		AK	-5		CH	2,586,903		IL	33,469		PA	166,198		WV	82%	AR	88%
NC	8,757		IN	131		VT	-5		NC	2,430,556		GA	33,053		IL	148,475		MO	82%	GA	87%
IL	8,665		MA	130		ME	-8		GA	2,378,278		MI	32,263		MI	132,784		MN	81%	KY	87%
KY	8,539		FL	129		WY	-10		MI	2,258,465		NJ	31,557		KY	132,113		FL	80%	NC	86%
284,267			1,940			-21			40,326,501			494,705			2,427,481						
All states 403,526			3,745			-6,926			All states 75,304,952			890,554			4,389,404			All states 70%		67%	
Top ten 70%			52%			0%			Top ten 54%			56%			55%			Median 76%		79%	

Some states not reporting

Five most improved US states

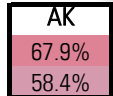
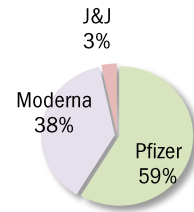
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
WA	-45,240	CK	-115	CA	-478	AZ	+10 bp
NC	-38,176	CA	-111	TX	-437	CT	+10 bp
MI	-23,285	IL	-102	NC	-366	FL	+10 bp
CA	-18,465	NC	-102	SC	-335	IL	+10 bp
IL	-15,132	WA	-77	CH	-315	KS	+10 bp



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	553,536,035		+0.585 million	US	63.6%	75.4%
Boosters	89,472,570		+0.286 million	UK	71.0%	76.8%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	257,688,183	77%	218,015,541	65%	+0.135 million	France 76.4% 79.8%
Age 12 to 17	16,971,793	67%	14,338,842	57%	+0.016 million	Spain 81.9% 87.5%
Age 18 to 64	173,923,922	85%	147,271,122	72%	+0.063 million	Germany 73.4% 75.2%
Age 65 and over	57,932,493	100%	50,115,869	91%	+0.006 million	Italy 76.5% 83.2%
						Australia 78.4% 84.2%
						Israel 65.6% 72.0%
						Canada 79.3% 85.2%
						Japan 79.2% 80.4%
						Africa 10.9% 16.1%
						India 51.3% 67.8%
						Brazil 70.1% 79.7%
						China 85.0% 87.7%



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

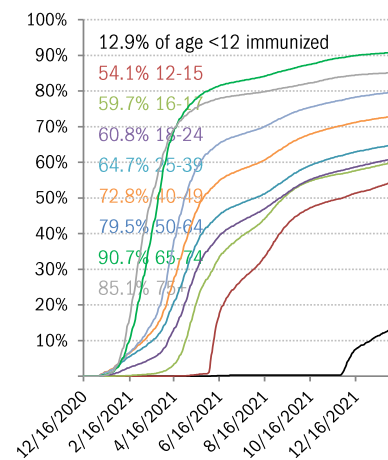
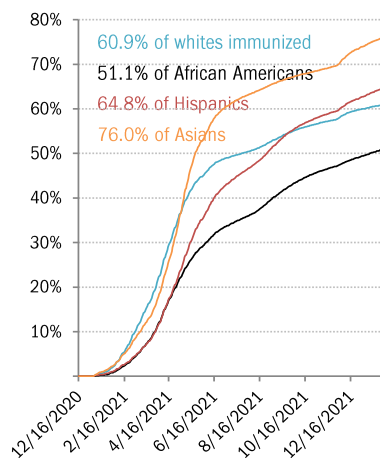
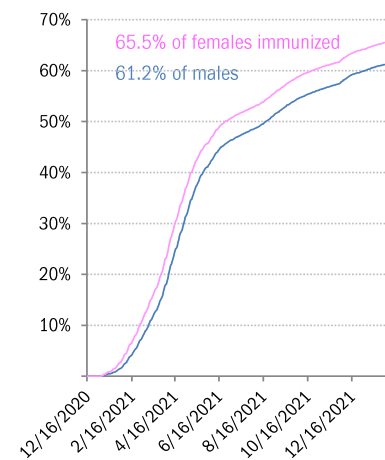


Global data differs due to sources, timing

As of Feb 1

AK	WI	ME								
67.9%	70.4%	88.6%								
58.4%	63.6%	77.6%								
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
78.8%	59.6%	63.8%	64.0%	73.6%	75.5%	65.2%	87.6%	92.2%	95.0%	
70.1%	52.3%	55.2%	54.0%	67.1%	66.3%	58.2%	74.2%	79.4%	68.8%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
76.2%	73.0%	57.3%	73.9%	66.7%	60.0%	62.4%	82.1%	87.6%	95.0%	
67.9%	58.5%	49.9%	58.9%	60.4%	53.3%	56.8%	65.8%	72.8%	76.5%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
80.4%	69.8%	77.5%	68.7%	64.7%	64.7%	63.6%	83.2%	83.7%	92.6%	94.7%
69.1%	60.7%	68.3%	61.6%	54.4%	55.7%	56.2%	70.6%	72.7%	76.6%	79.1%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	70.2%	84.6%	72.5%	65.0%	60.7%	80.9%	65.7%	93.3%	80.5%	
	58.9%	68.4%	59.1%	52.7%	52.8%	58.5%	55.0%	70.1%	66.3%	
			OK	LA	MS	AL	GA			
			69.2%	59.5%	58.1%	61.2%	63.7%			
			55.2%	51.8%	50.1%	49.5%	52.9%			
			TX					FL	PR	
			69.8%					77.2%	93.2%	
			58.9%					65.1%	79.5%	

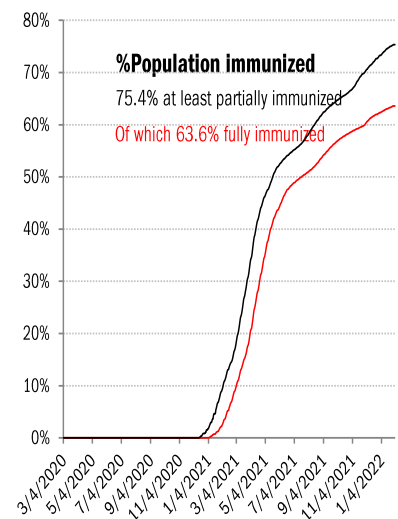
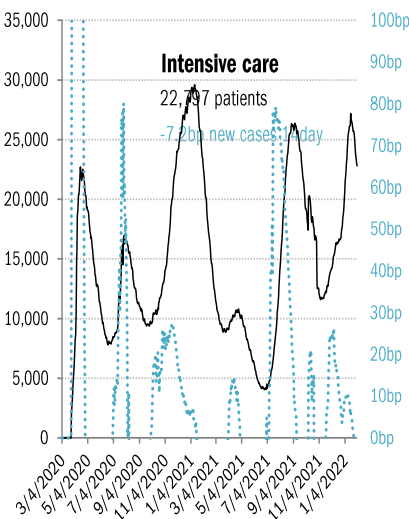
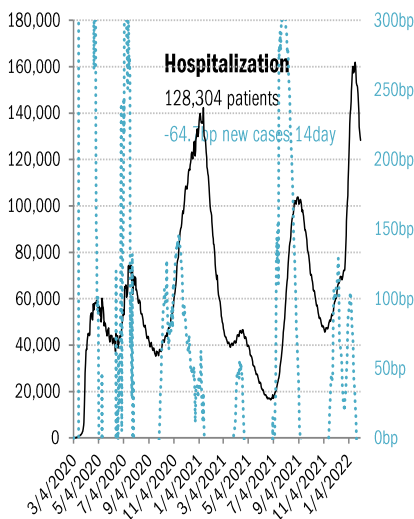
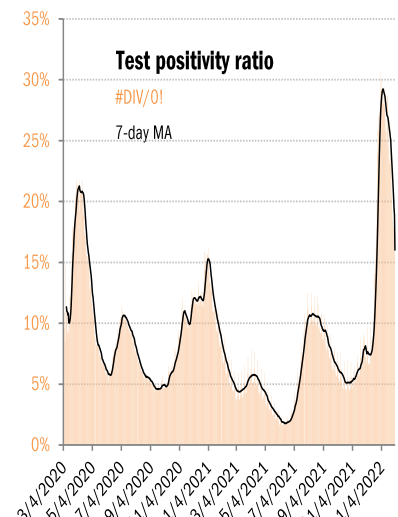
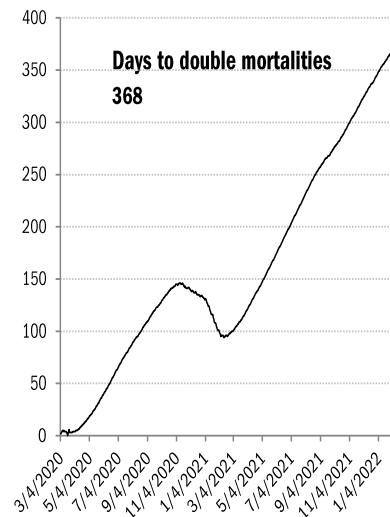
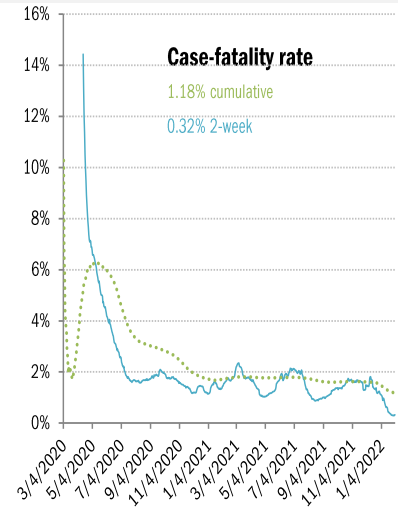
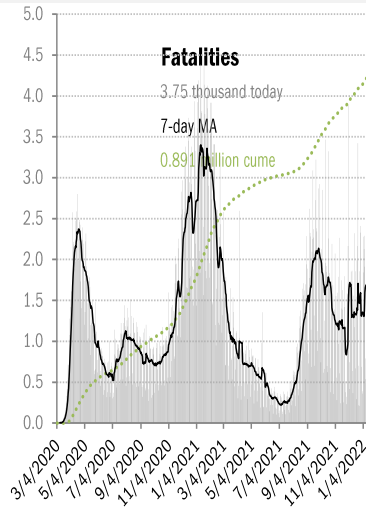
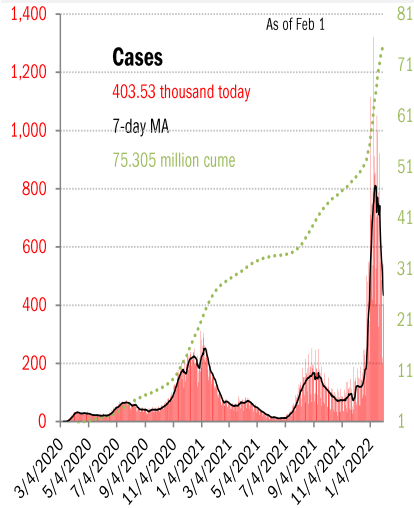
The demographics of US vaccination



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

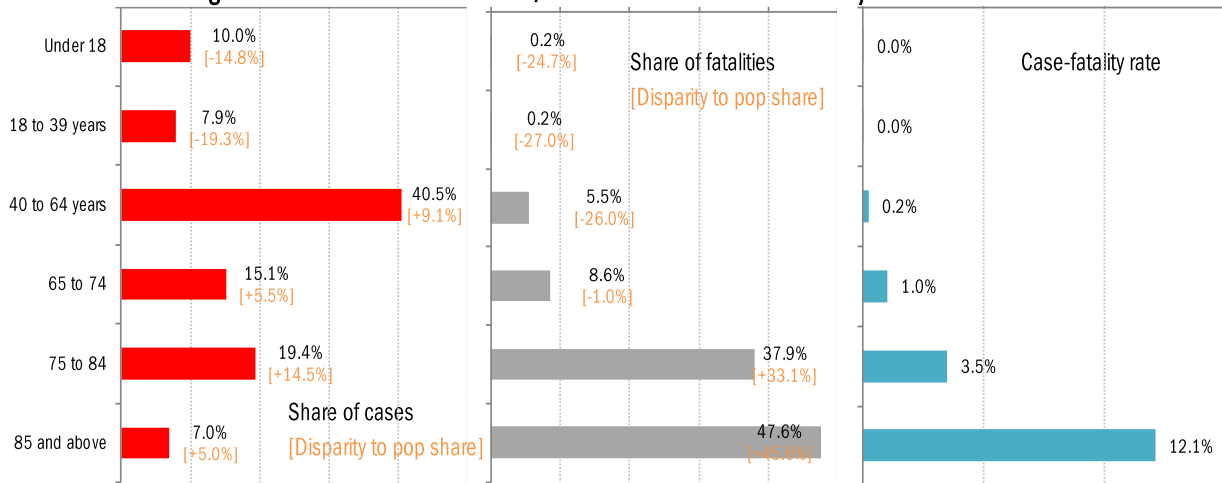
US deep-dive

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

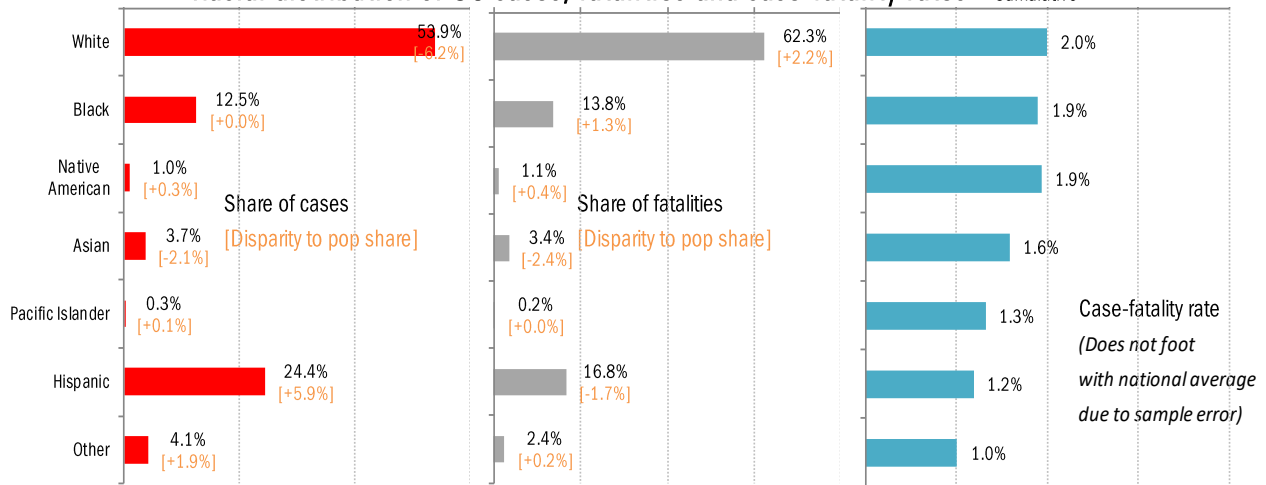


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

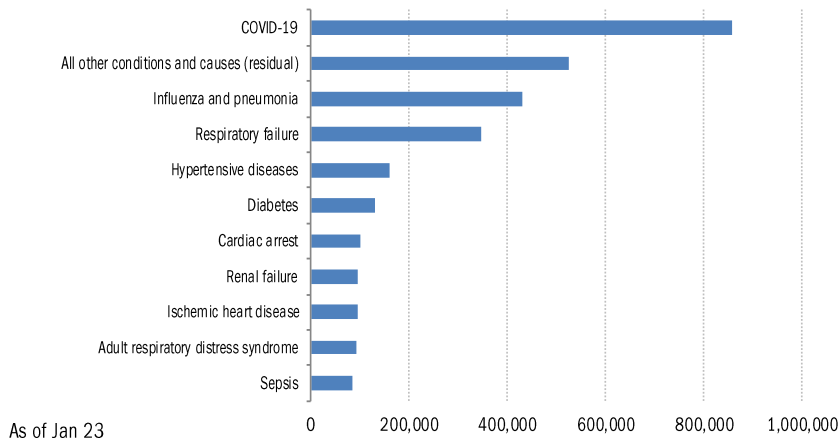


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Covid's New Divide: Risk Takers vs. the Risk Averse](#)

Jason Horowitz
New York Times
January 31, 2022

[Powerful Immune Cells Able to Recognize Omicron Variant, Study Indicates](#)

Bloomberg
February 1, 2022

[U.S. Has Far Higher Covid Death Rate Than Other Wealthy Countries](#)

Benjamin Mueller and Eleanor Lutz
New York Times
February 1, 2022

[Time to Accept Covid and Move On?](#)

Monmouth University
January 31, 2022

[Covid and the 'Hygiene Hypothesis'](#)

Eran Bendavid
Wall Street Journal
February 1, 2022

[Ivermectin shows 'antiviral effect' against COVID, Japanese company says](#)

Reuters
January 31, 2022

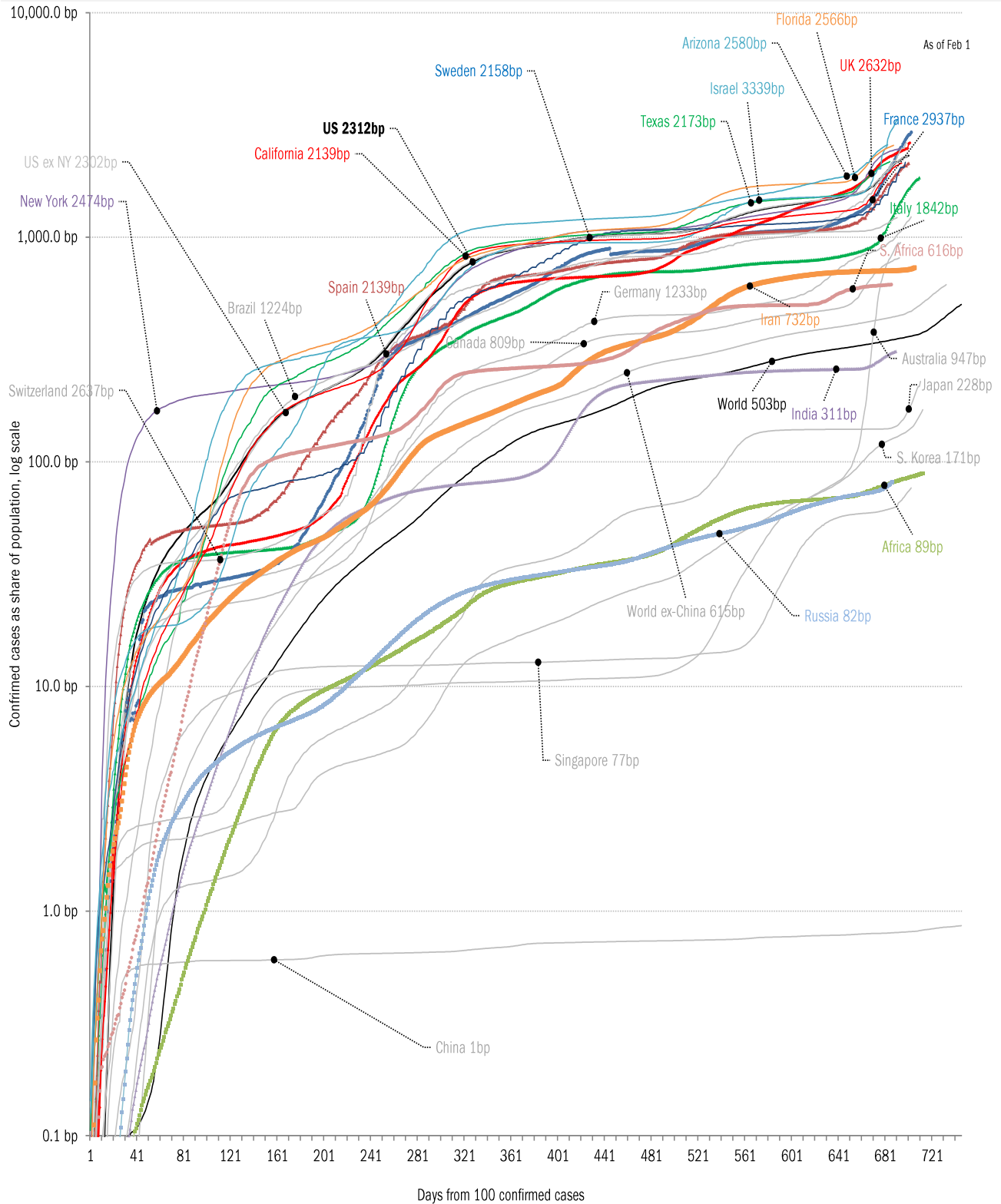
Meme of the day

Australians watching the the
UK remove all mask mandates



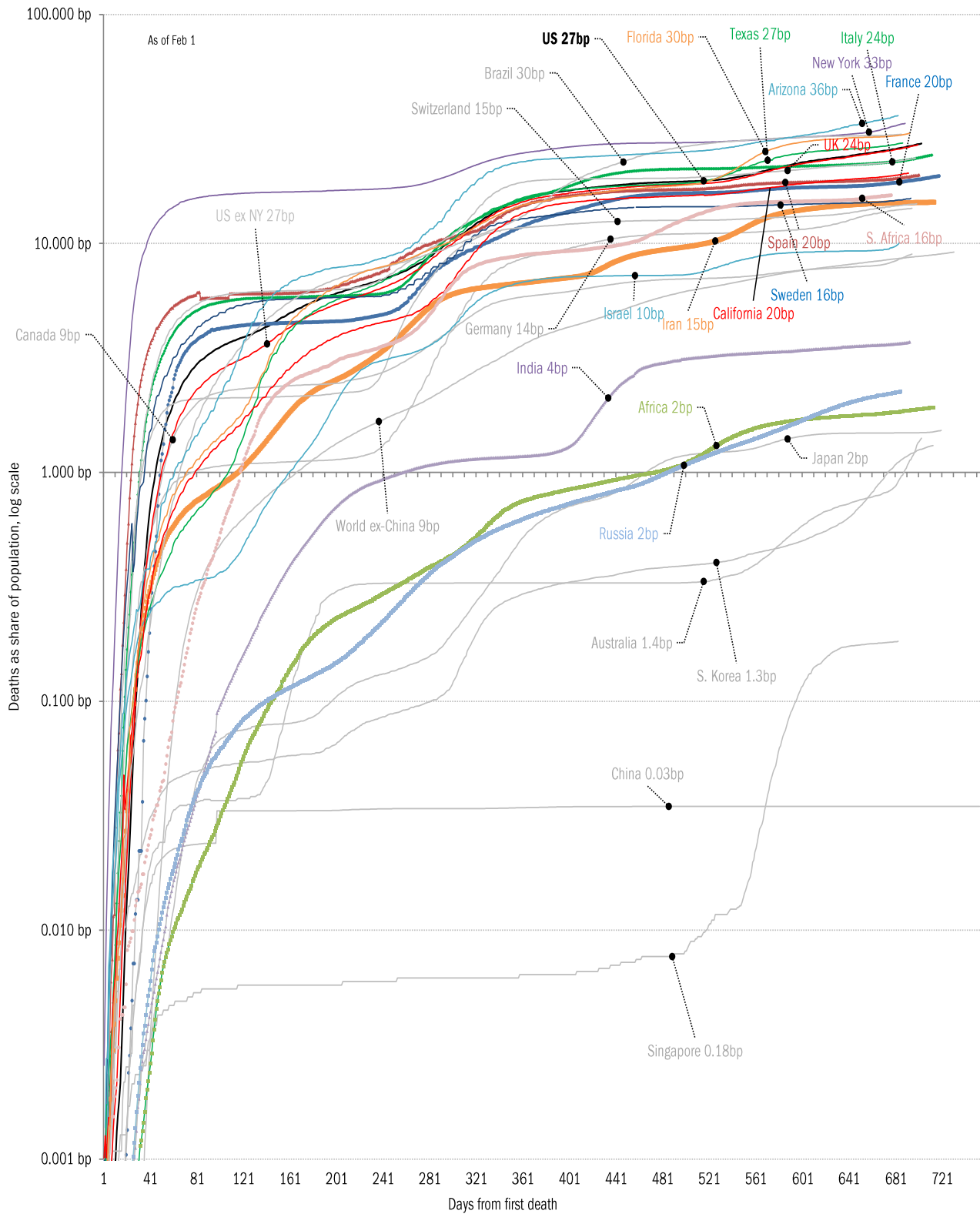
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

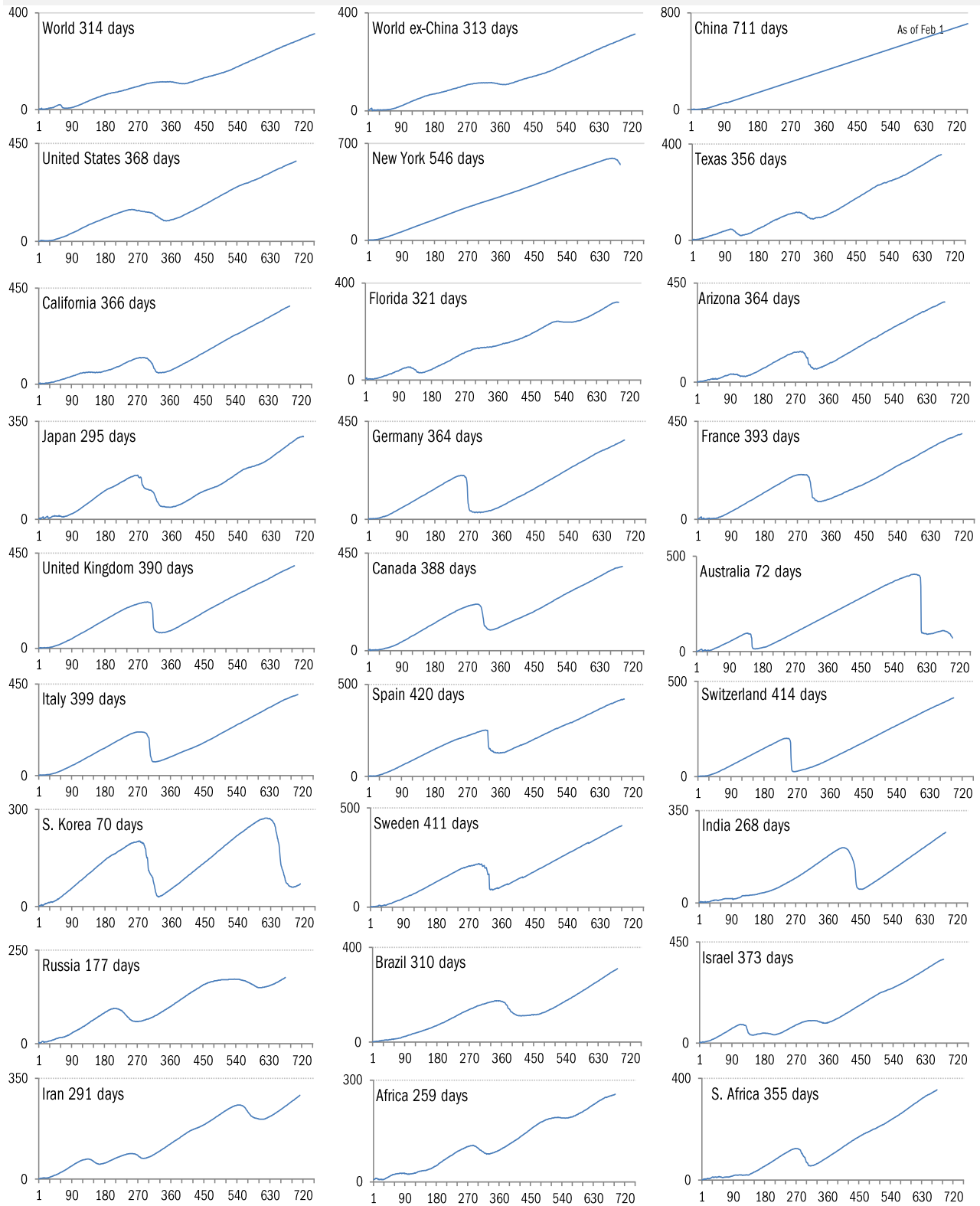


Source: [Johns Hopkins](#), TrendMacro calculations

"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

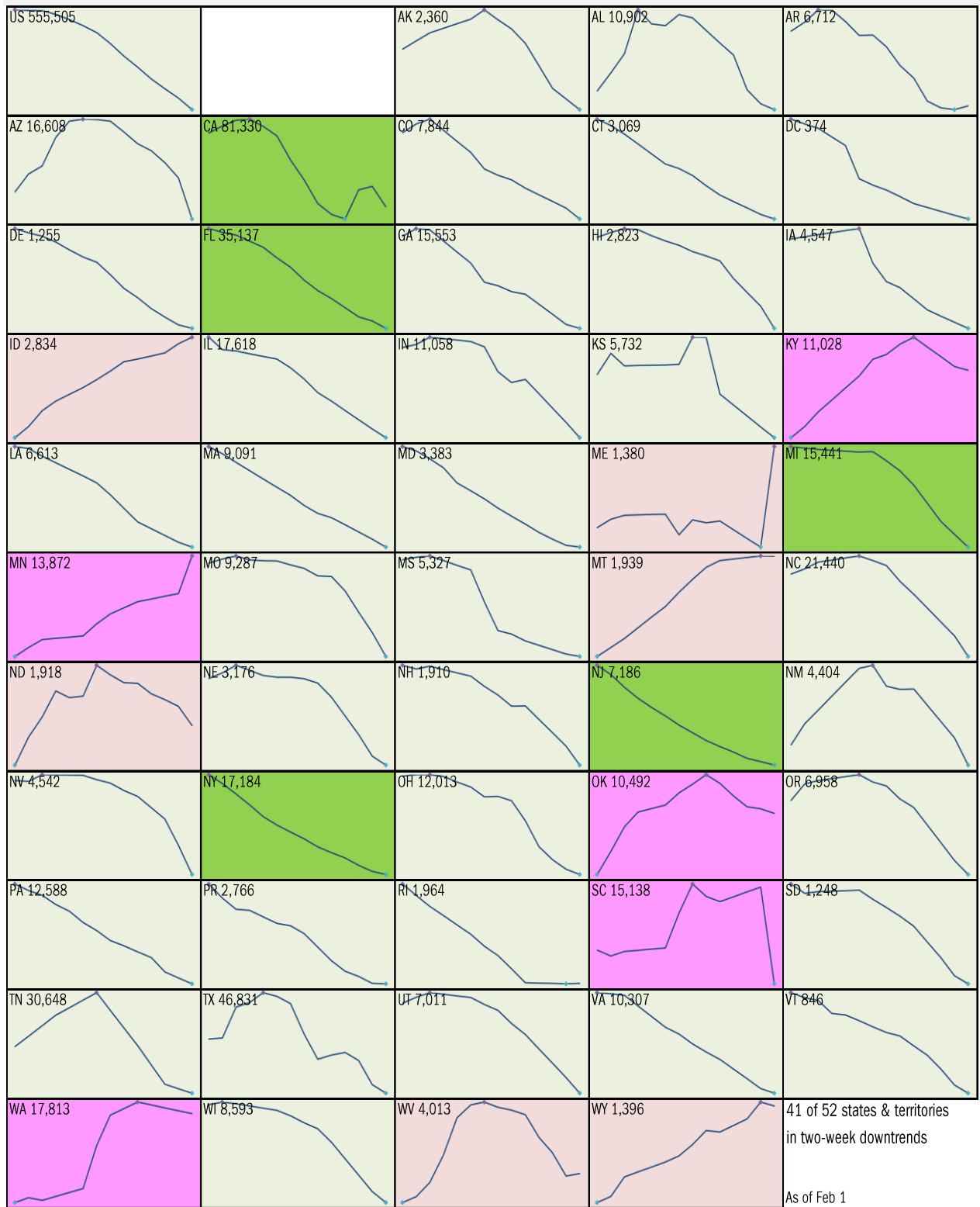


Source: [Johns Hopkins](#), TrendMacro calculations

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

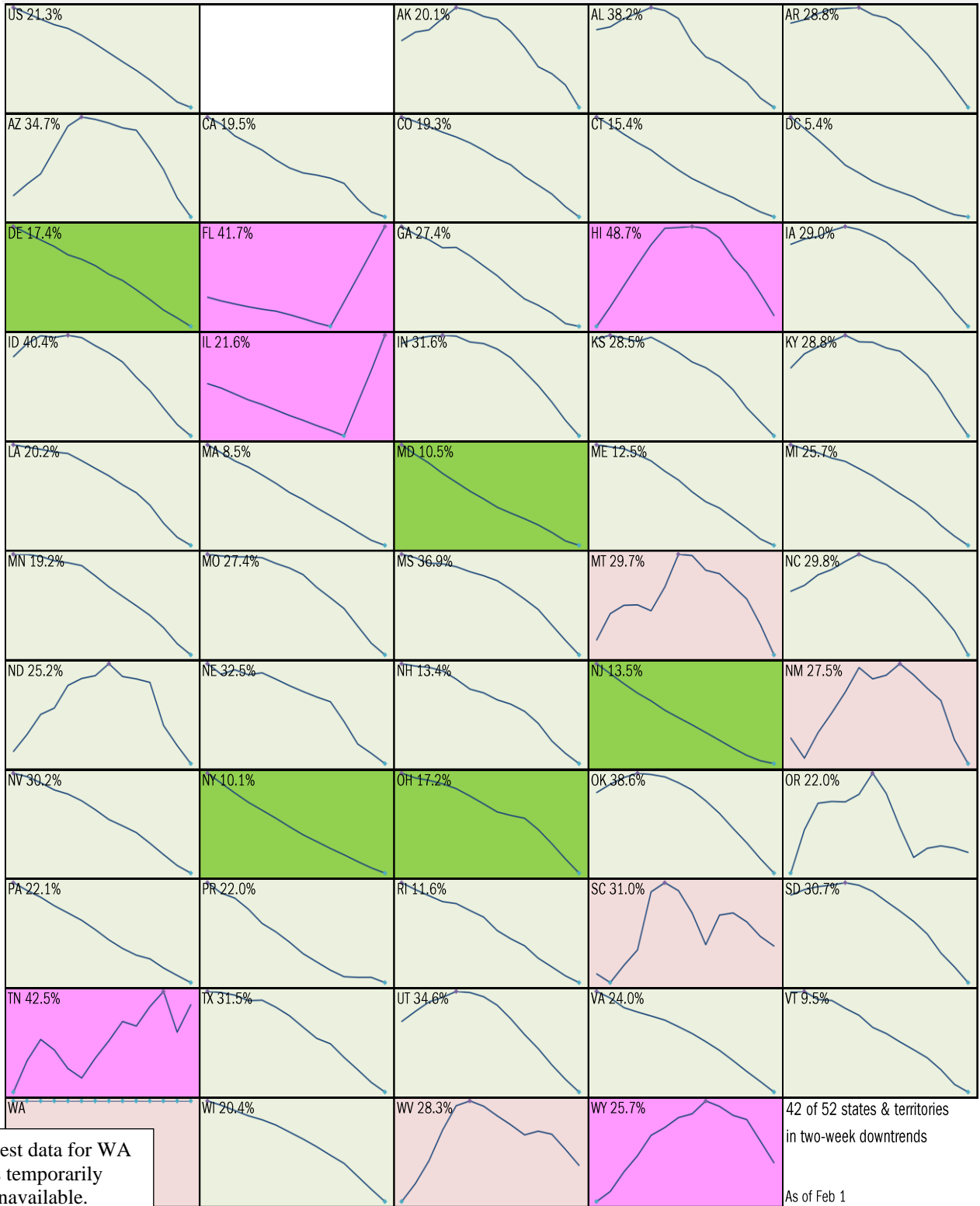


Source: [Johns Hopkins](#), TrendMacro calculations

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

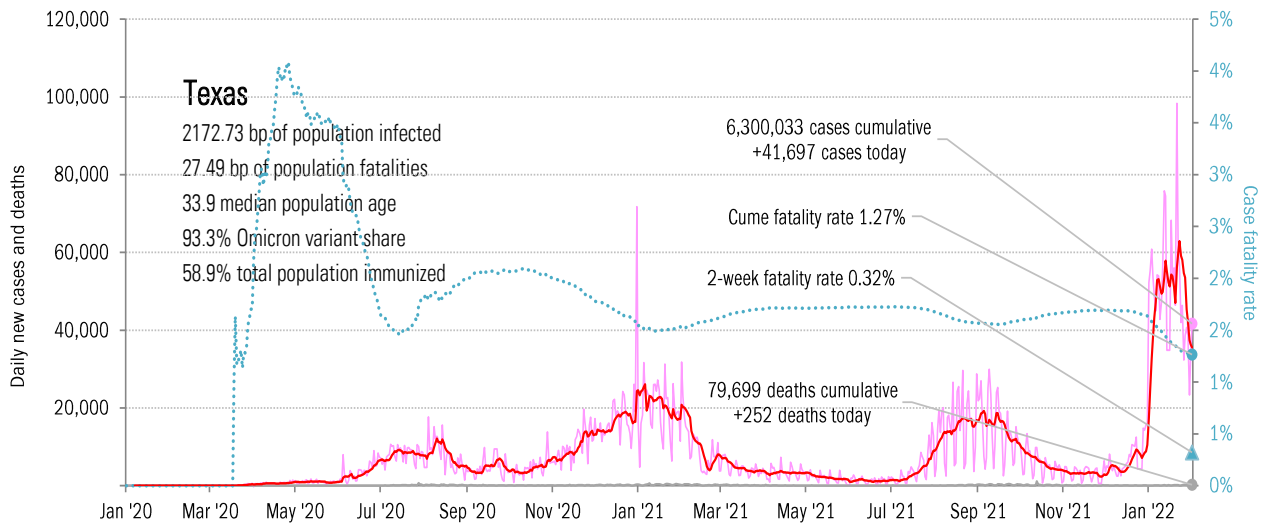
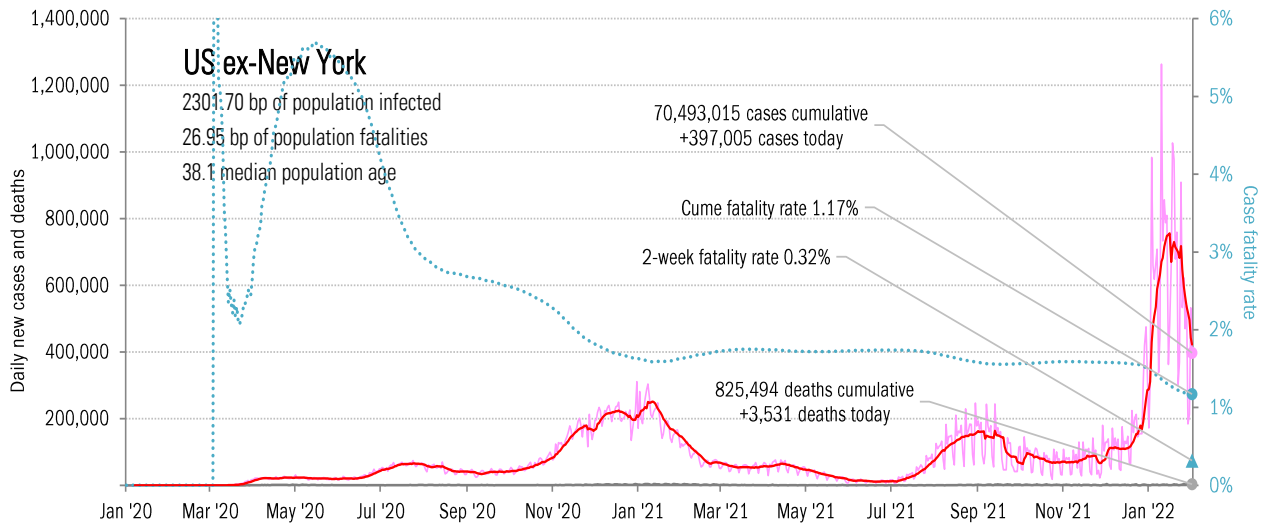
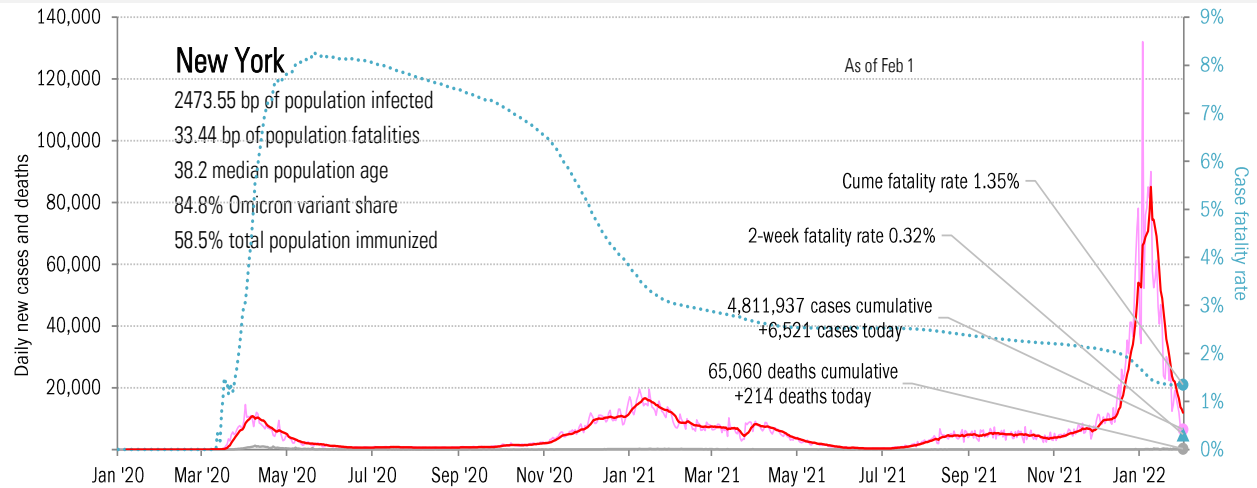


Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

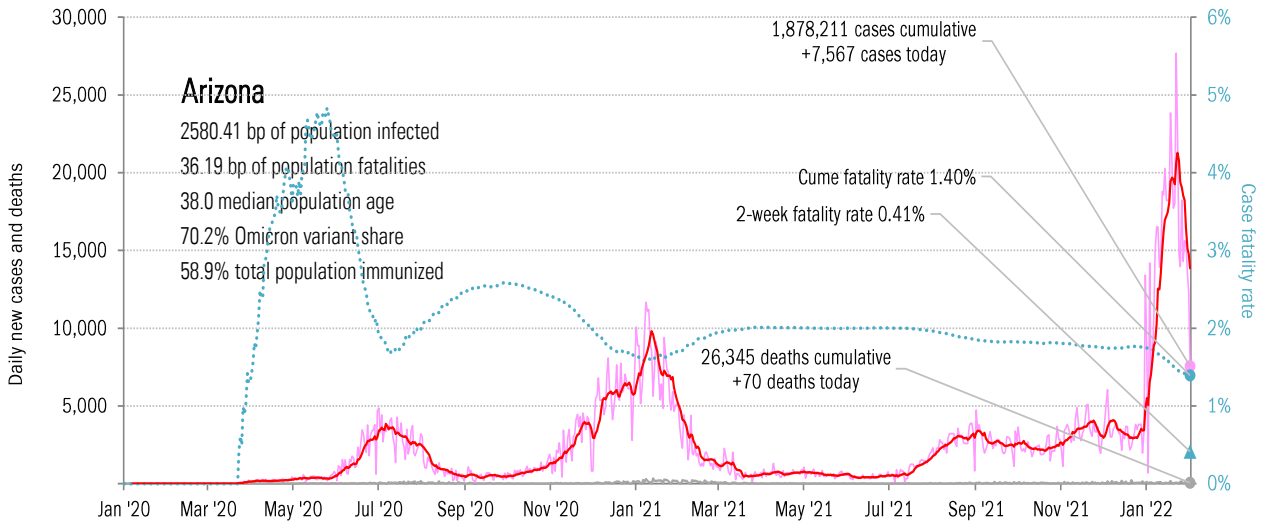
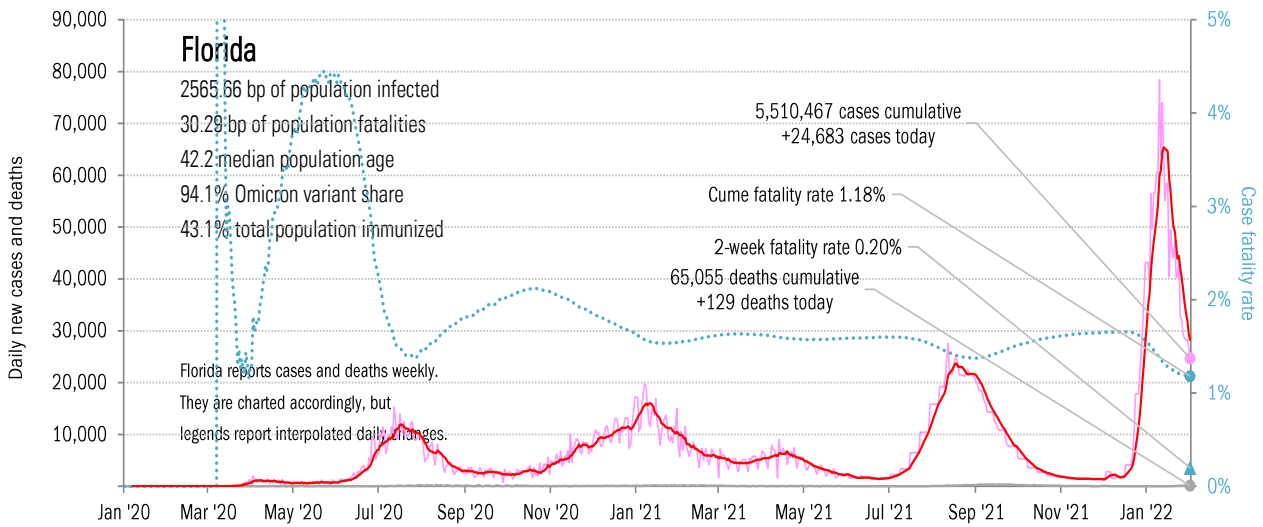
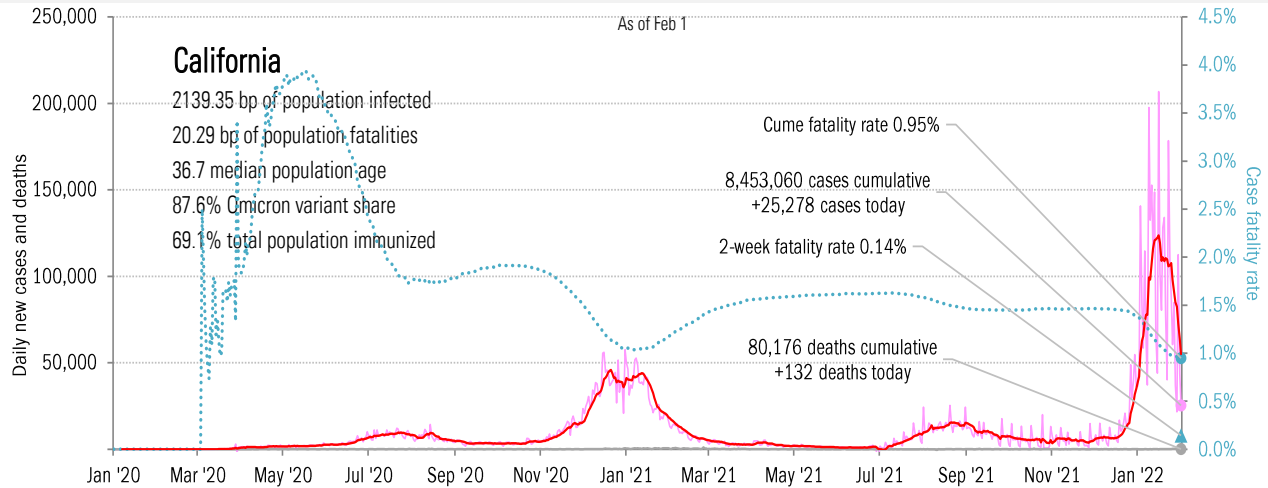
Cases: 7-day average and daily Deaths: Daily



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

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

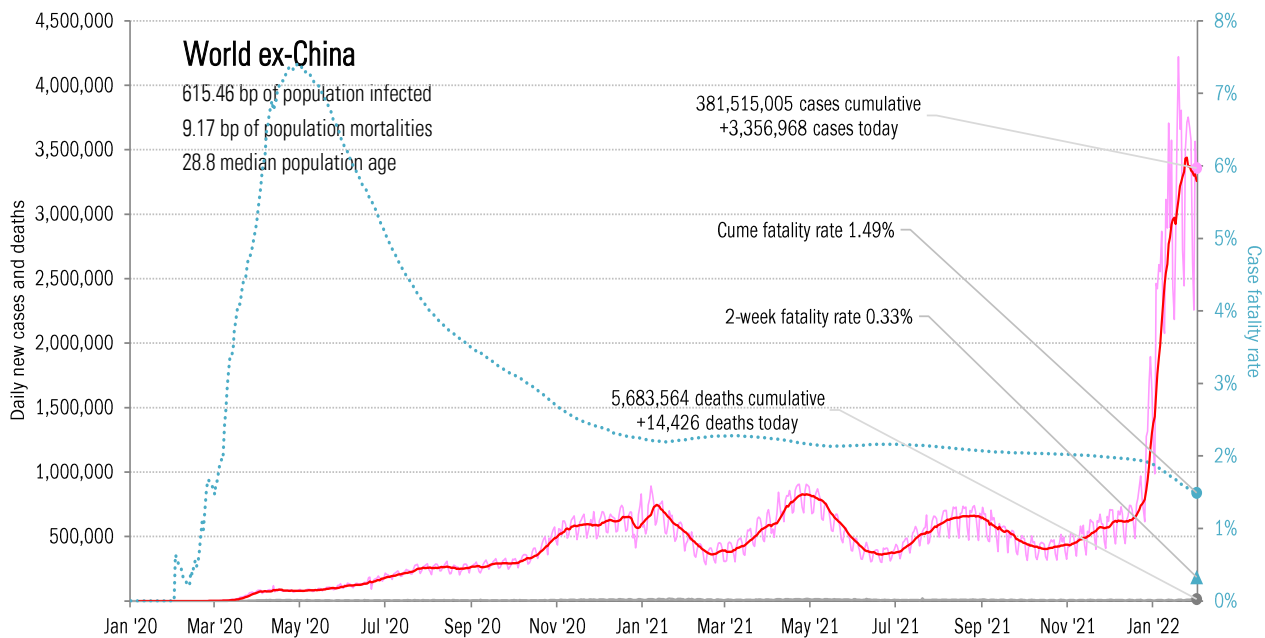
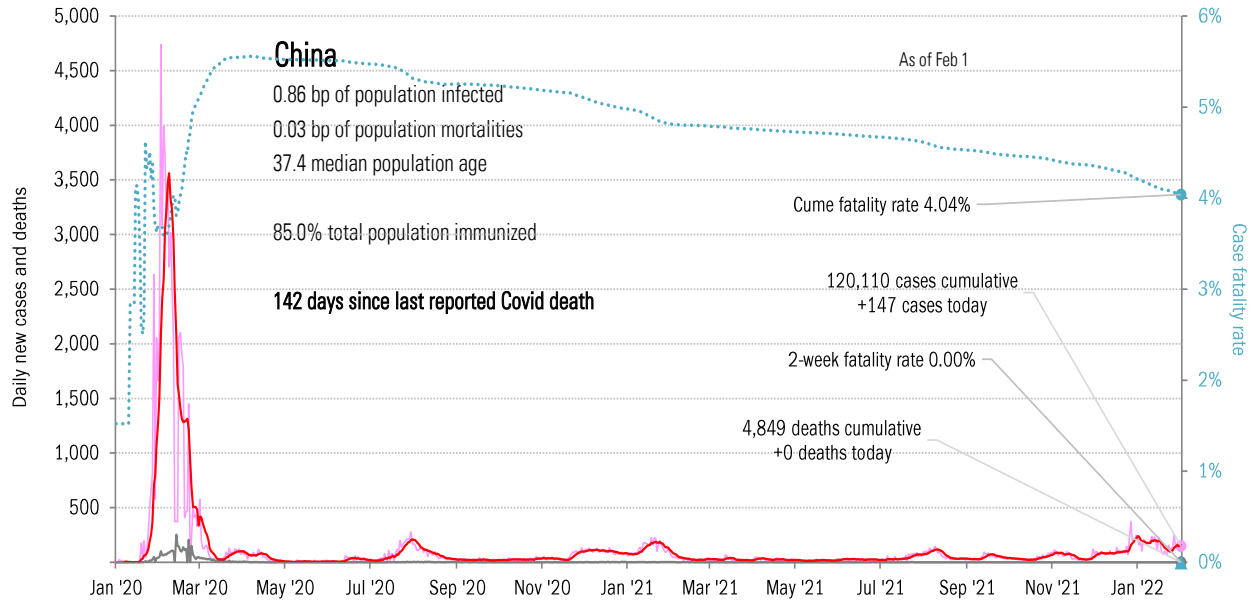
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

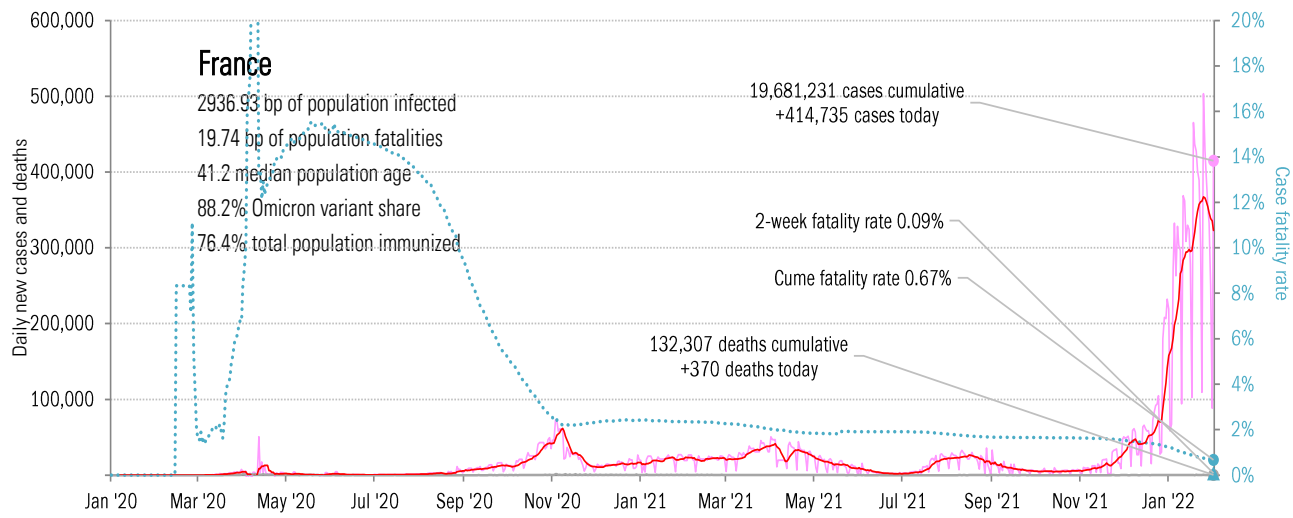
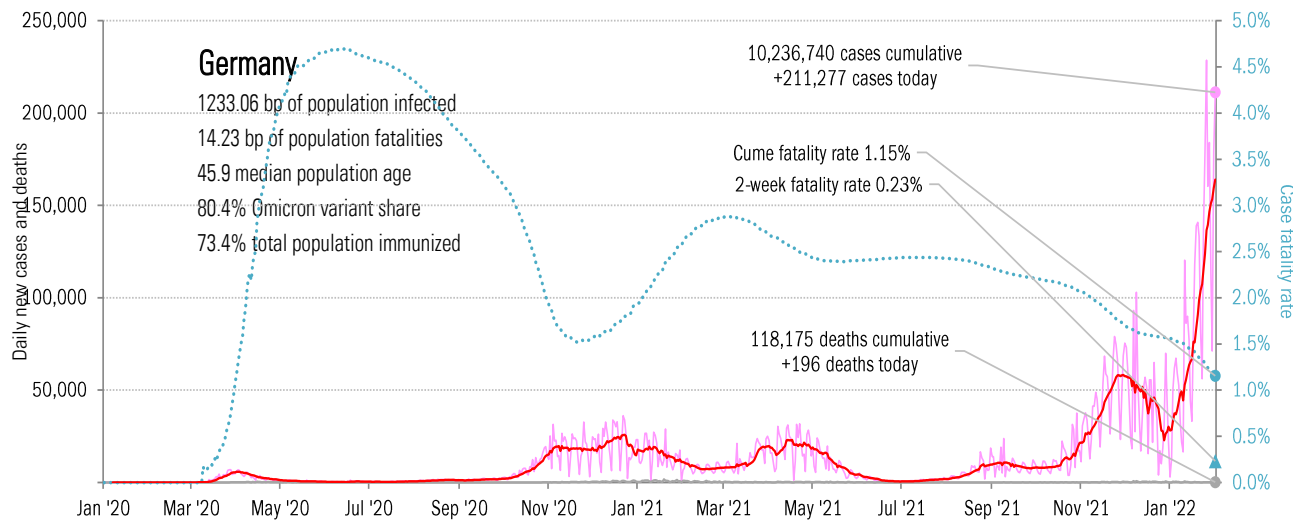
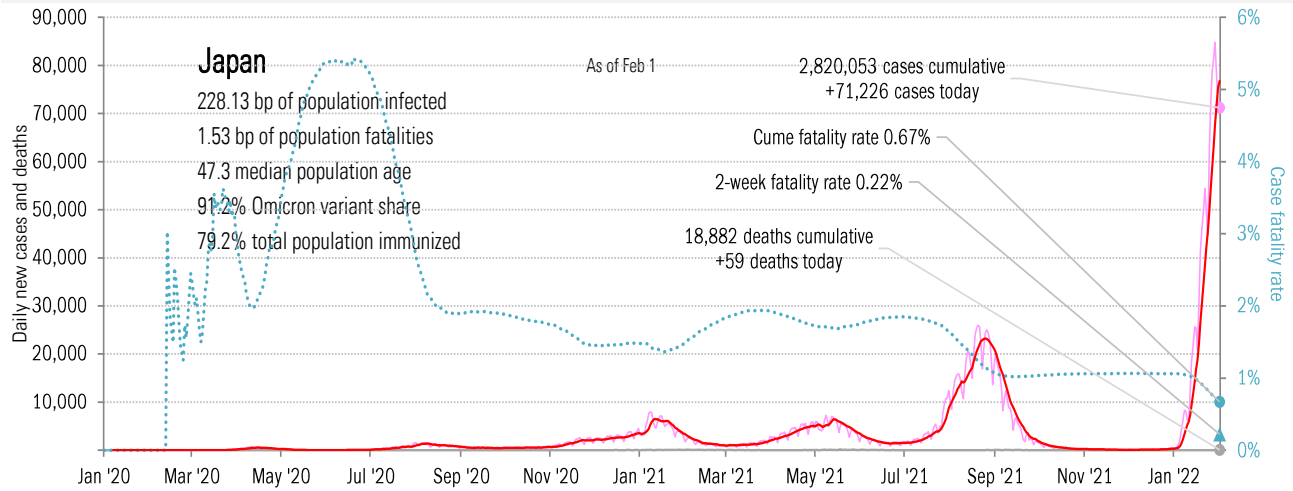
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

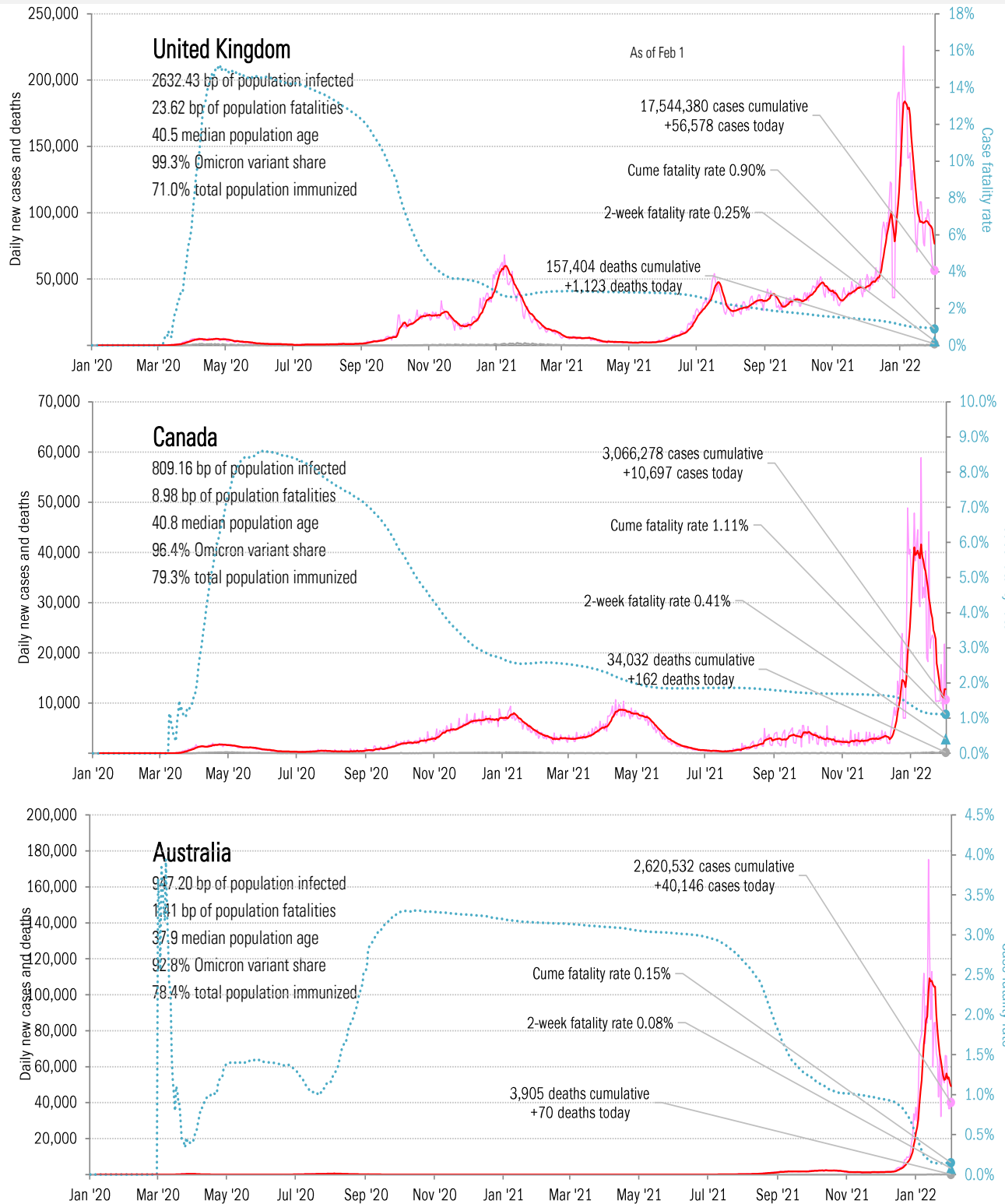
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

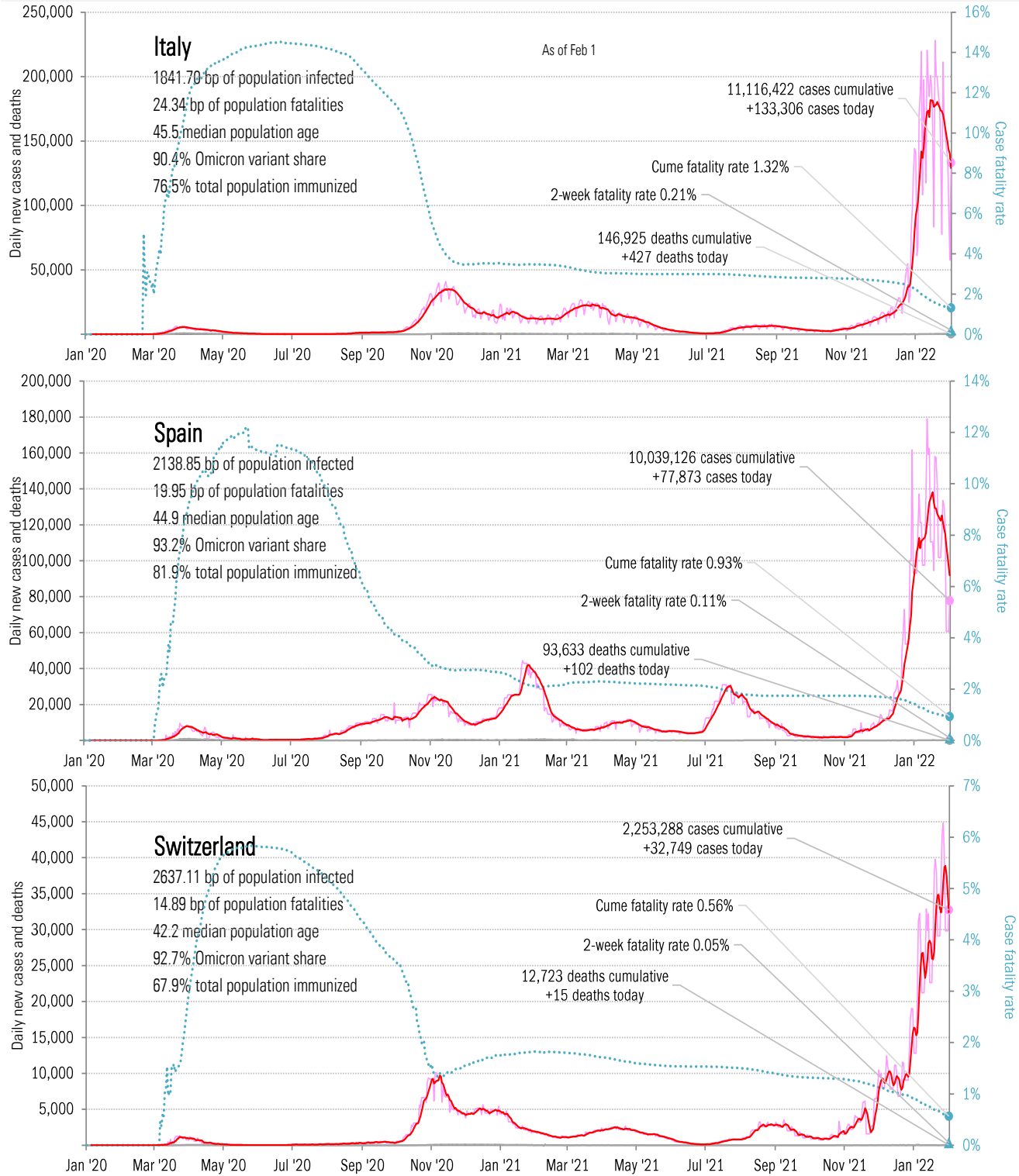
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

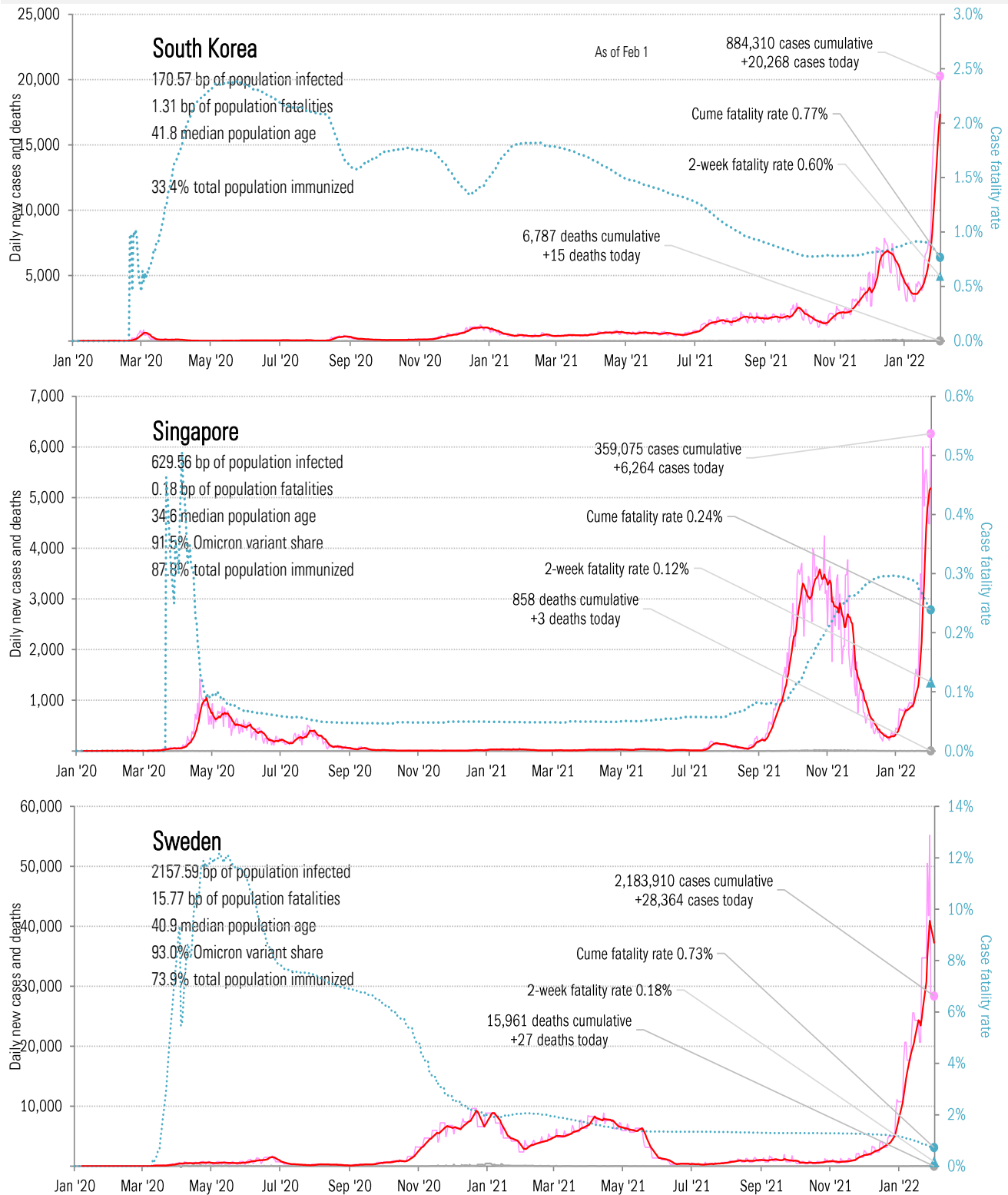
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

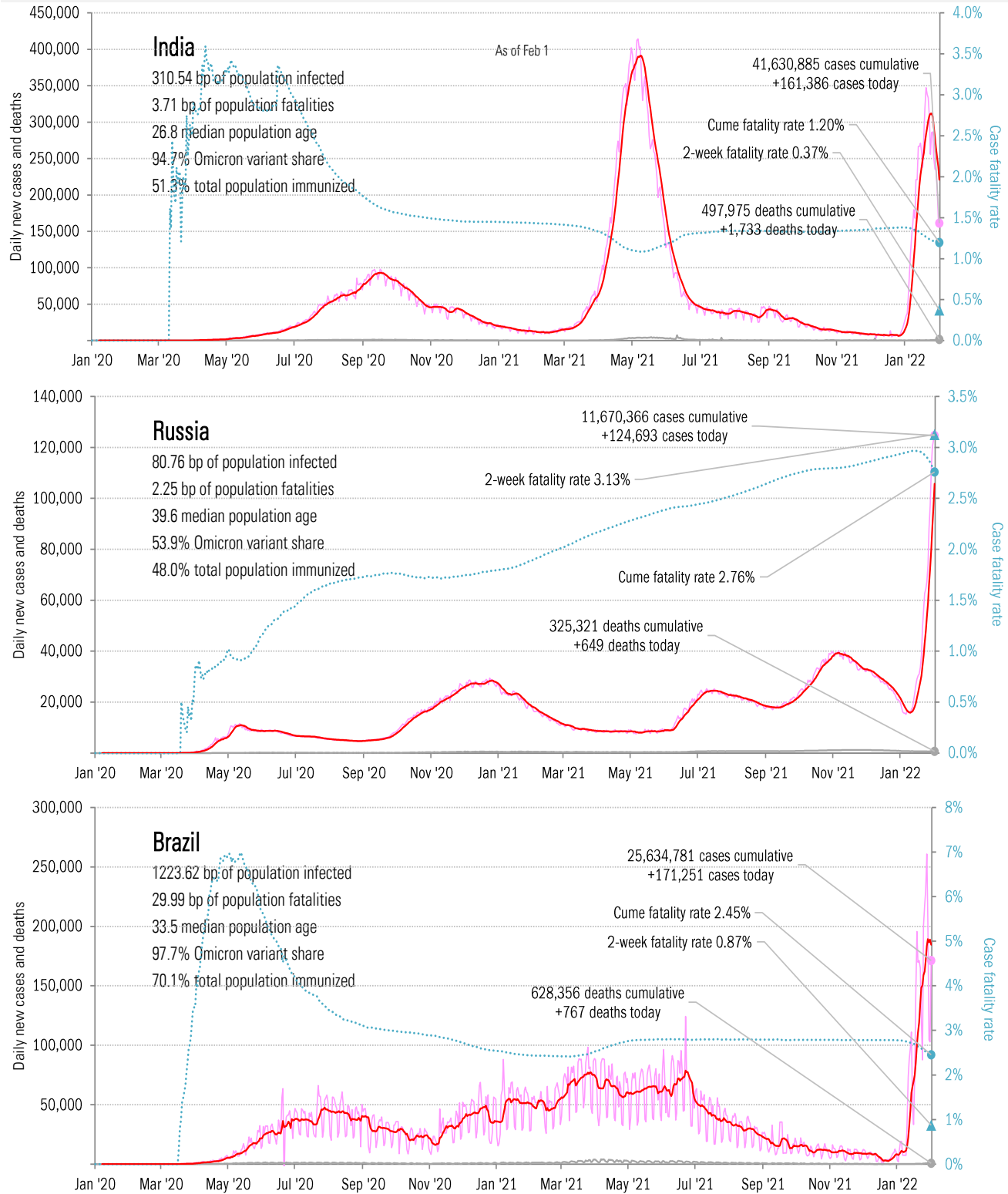
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

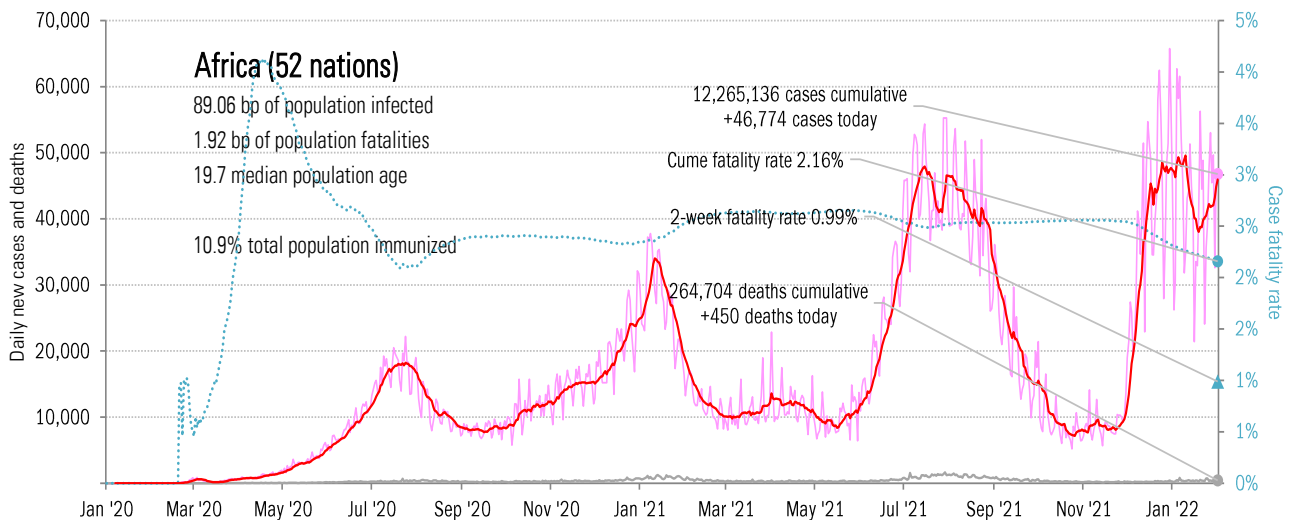
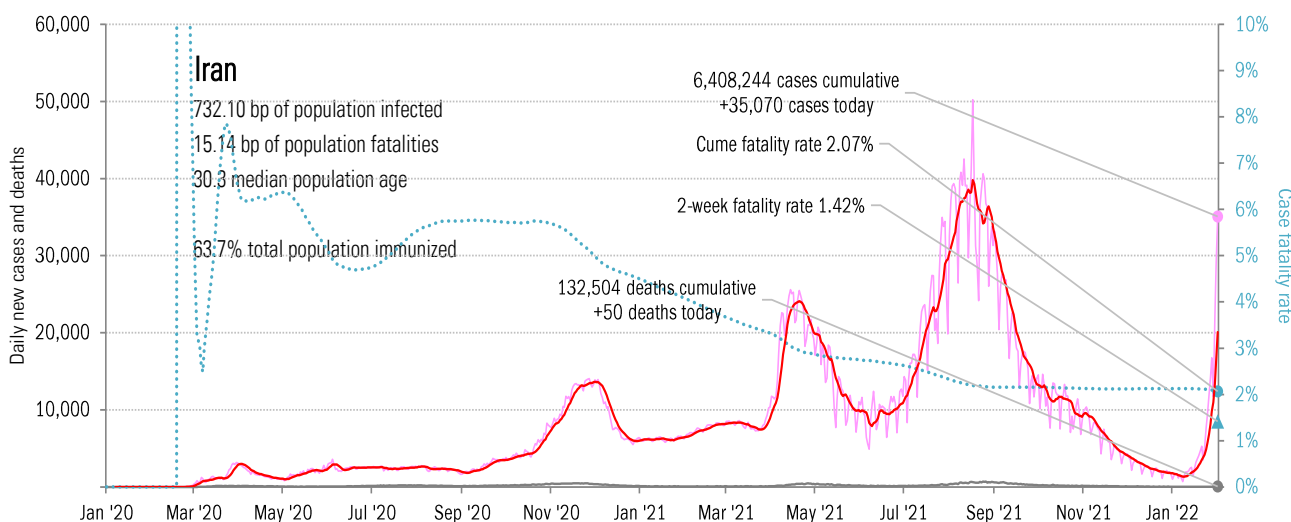
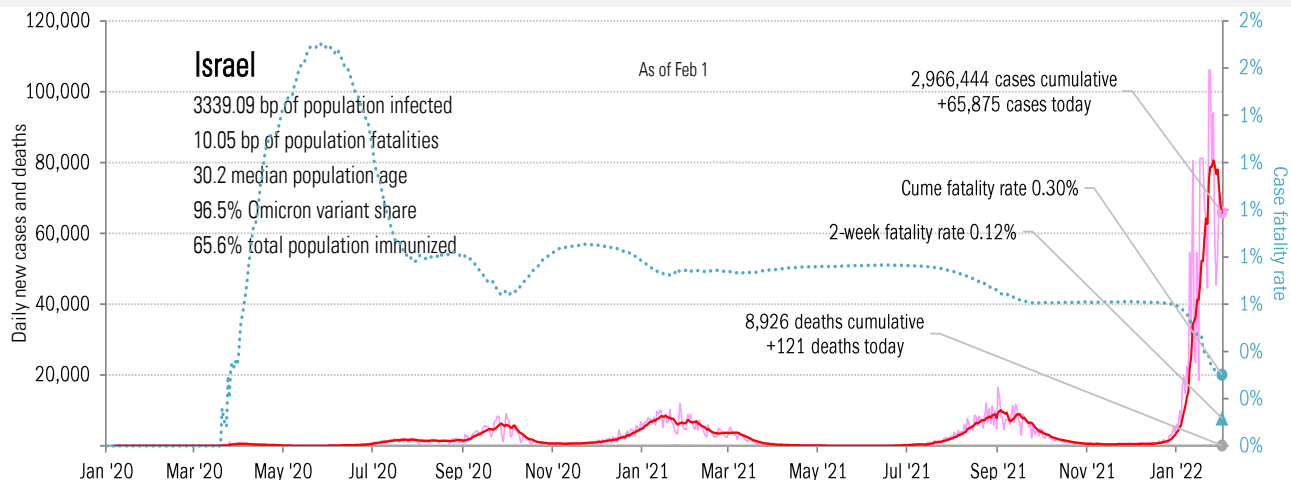
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

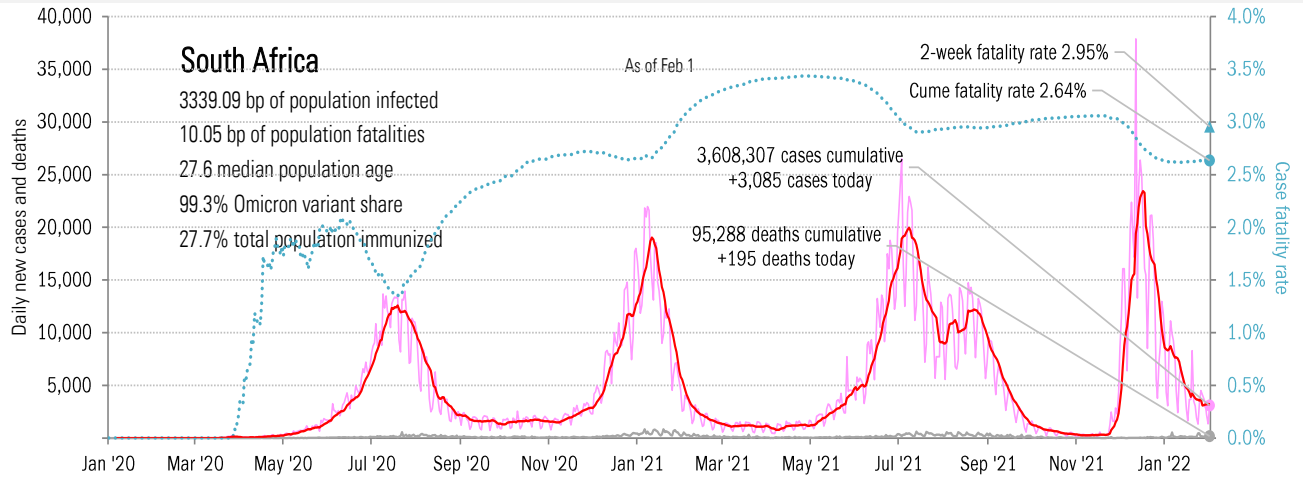
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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