

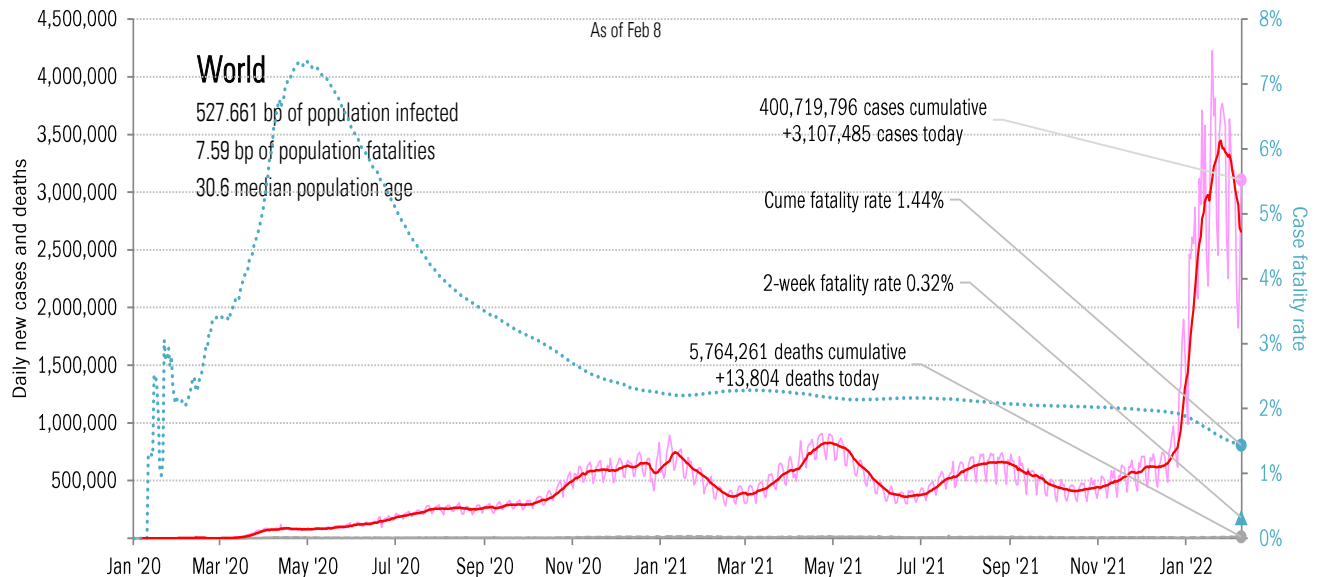
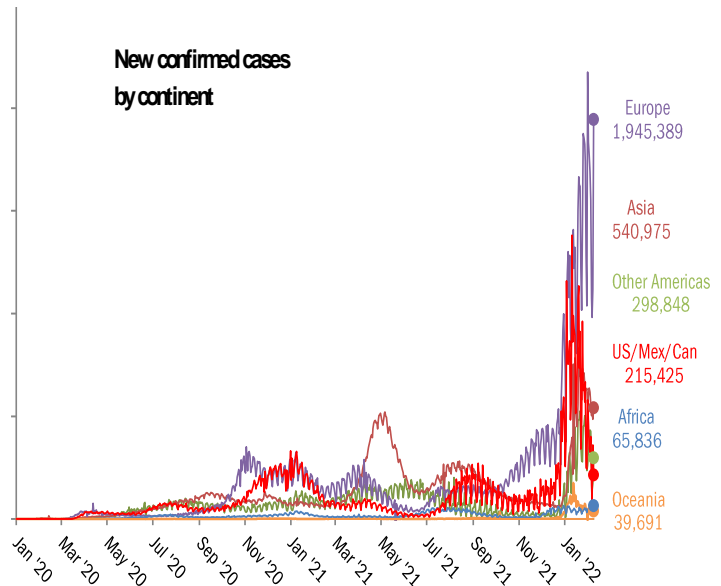
Data Insights: Covid-2019 Monitor

Wednesday, February 9, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Germany	380,632	United States	3,446
Netherlands	380,615	India	1,217
France	238,690	Brazil	1,172
United States	200,059	France	691
Brazil	177,483	Russia	687
Russia	164,097	Germany	427
Turkey	111,096	Italy	415
Italy	102,429	Spain	361
Japan	101,084	Peru	328
India	71,365	United Kingdom	317
1,927,550		9,061	
World	3,107,485	World	13,804
Top ten	62%	Top ten	66%



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

For more information contact us:

Donald Luskin: 214 550 2121 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

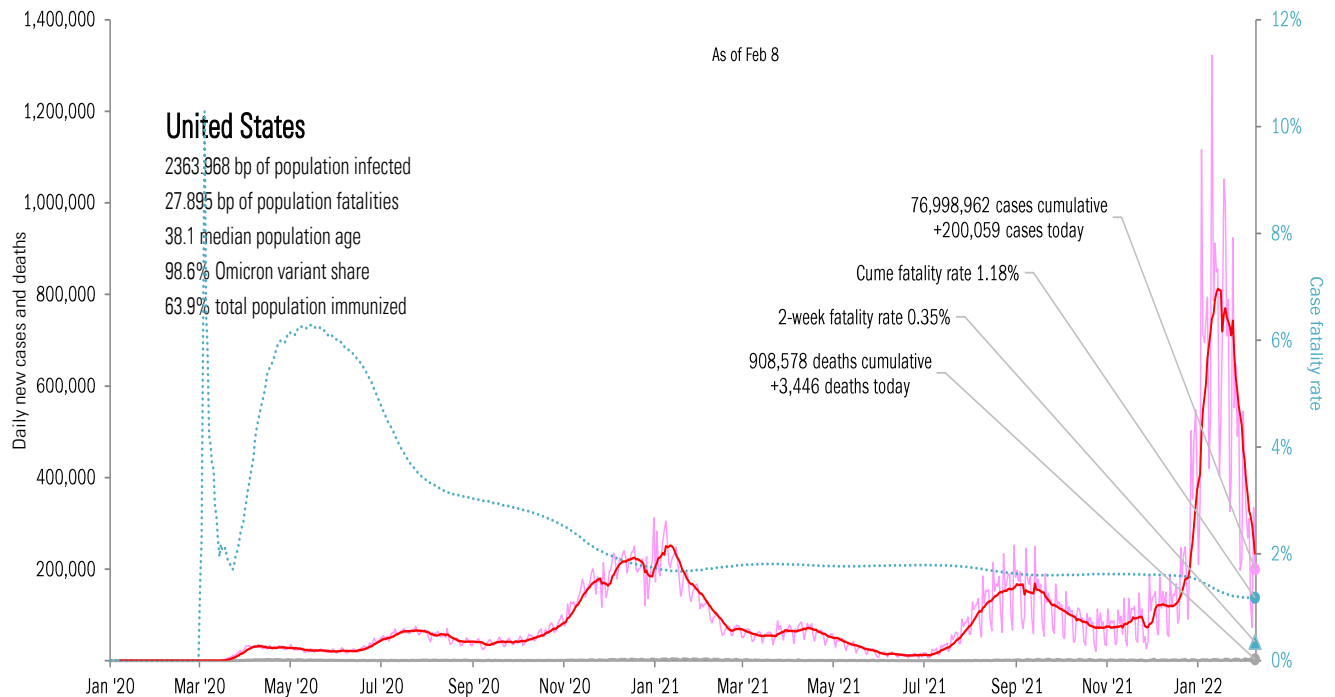
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	48,021	CH	375	AK	0	CA	8,723,377	CA	81,541	TX	467,494	GA	86%	TX	93%						
FL	20,627	TX	293	AS	0	TX	6,451,449	TX	81,064	CA	400,914	MA	83%	AL	93%						
TX	15,187	MO	279	GJ	0	FL	5,647,720	FL	66,223	FL	397,917	WA	83%	MS	90%						
TN	14,326	CA	191	MP	0	NY	4,860,442	NY	66,015	NY	235,949	RI	83%	CK	90%						
MN	10,395	NY	184	VI	0	IL	2,977,341	PA	41,757	GA	196,624	WV	82%	KY	88%						
KY	6,615	AZ	183	DC	-2	PA	2,703,775	CH	34,592	CH	183,547	MN	82%	GA	88%						
IL	5,825	PA	172	NM	-2	CH	2,617,104	IL	34,003	PA	168,816	PA	81%	NM	87%						
VA	4,689	FL	171	VT	-4	NC	2,498,957	GA	33,665	IL	150,663	FL	81%	RI	87%						
NC	4,648	MA	130	CR	-5	GA	2,419,503	MI	32,911	MI	134,953	NC	80%	NV	86%						
GA	4,574	GA	120	DE	-11	MI	2,306,153	NJ	32,094	KY	134,533	NV	80%	AR	85%						
134,907			2,098			-24			41,205,821			503,865			2,471,410						
All states	200,059		3,446		-5,754	All states	76,998,962		908,578		4,474,675	All states	70%		67%						
Top ten	67%		61%		0%	Top ten	53%		56%		55%	Median	75%		79%						

Some states not reporting

Five most improved US states

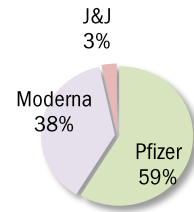
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NC	-19,419	VA	-284	TX	-293	AL	+10 bp
WA	-15,019	CO	-190	FL	-143	AZ	+10 bp
MS	-14,530	WA	-132	AR	-124	CA	+10 bp
SC	-12,226	IL	-100	AZ	-123	CT	+10 bp
PA	-11,971	CA	-94	KY	-115	FL	+10 bp



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	557,809,245		+0.522 million	US	63.9%	75.7%
Boosters	91,445,177		+0.237 million	UK	71.3%	76.9%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	258,864,192	77%	219,138,807	66%	+0.141 million	France 76.8% 79.9%
Age 12 to 17	17,086,402	68%	14,465,282	57%	+0.017 million	Spain 82.0% 87.6%
Age 18 to 64	174,638,100	86%	147,822,219	73%	+0.067 million	Germany 73.9% 75.3%
Age 65 and over	58,032,780	100%	50,172,676	92%	+0.006 million	Italy 77.5% 83.8%
						Australia 78.8% 84.7%
						Israel 65.8% 72.1%
						Canada 80.0% 85.2%
						Japan 79.3% 80.5%
						Africa 11.2% 16.5%
						India 52.8% 68.4%
						Brazil 70.6% 80.8%
						China 85.1% 87.7%



AK	68.1%
	59.8%

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

Best
Middle
Worst

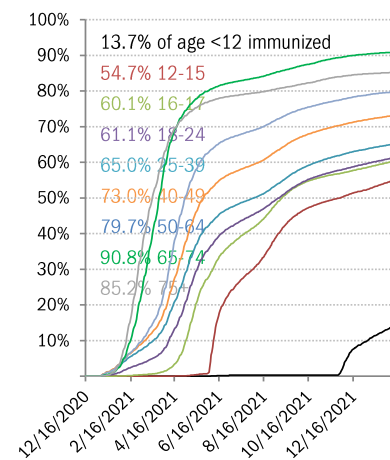
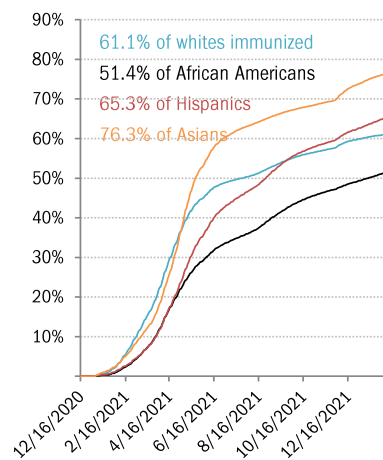
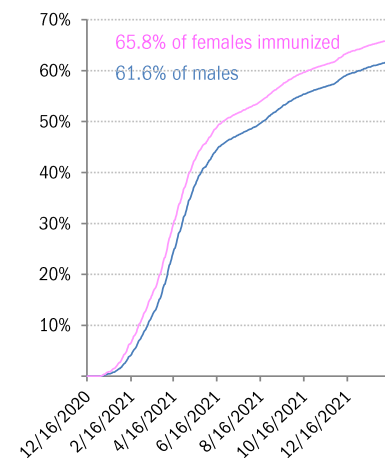
Immunity = two doses

As of Feb 8

Global data differs due to sources, timing

					WI						ME
					70.6%						88.8%
					63.9%						77.8%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH	
79.1%	59.8%	64.0%	64.2%	73.9%	75.7%	65.5%		88.0%	92.4%	95.0%	
70.3%	52.5%	55.5%	54.1%	67.4%	66.6%	58.5%		74.6%	79.7%	69.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA		
76.5%	73.3%	57.5%	74.3%	66.9%	60.2%	62.5%	82.5%	88.1%	95.0%		
68.1%	58.9%	50.0%	59.3%	60.6%	53.5%	57.1%	66.2%	73.4%	76.7%		
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI	
80.9%	70.4%	77.8%	68.9%	64.9%	64.8%	63.8%	83.5%	84.1%	93.1%	95.0%	
69.5%	61.2%	68.6%	61.9%	54.6%	55.9%	56.4%	70.9%	73.1%	77.0%	79.6%	
	AZ	NM	KS	AR	TN	NC	SC	DC	DE		
	70.7%	85.0%	72.8%	65.2%	60.9%	81.5%	66.0%	93.8%	80.9%		
	59.3%	68.7%	59.4%	52.9%	53.0%	58.8%	55.2%	70.5%	66.7%		
			OK	LA	MS	AL	GA				
			69.4%	59.8%	58.4%	61.4%	64.0%				
			55.4%	52.1%	50.4%	49.7%	53.2%				
			TX								
			70.1%								
			59.2%								
								FL		PR	
								77.5%		94.0%	
								65.4%		80.1%	

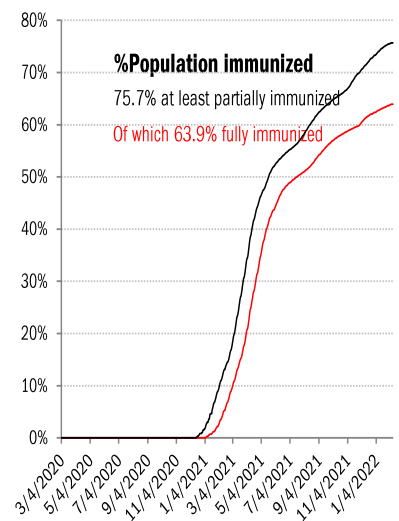
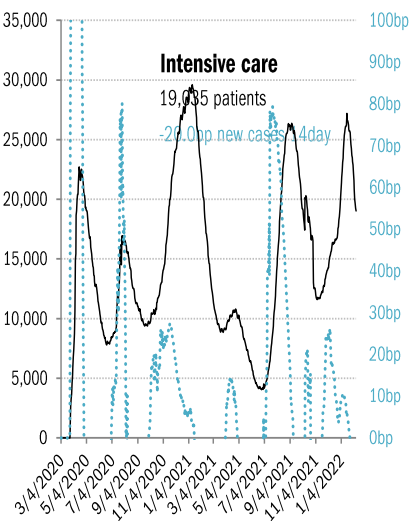
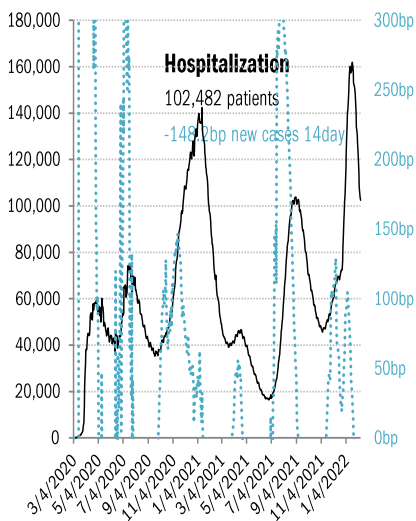
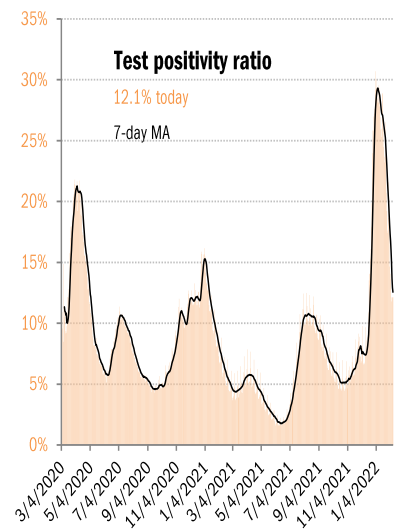
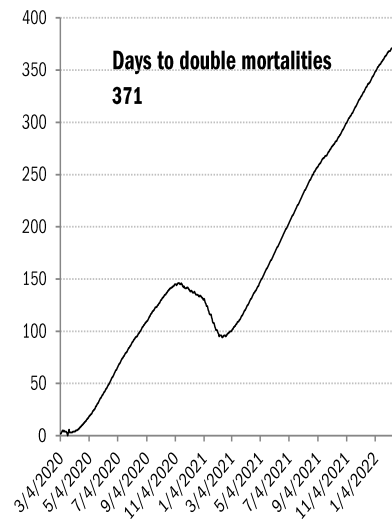
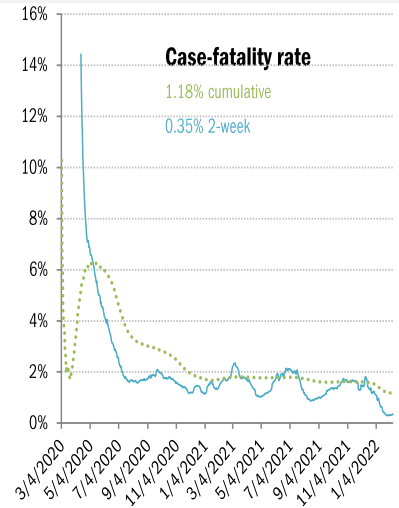
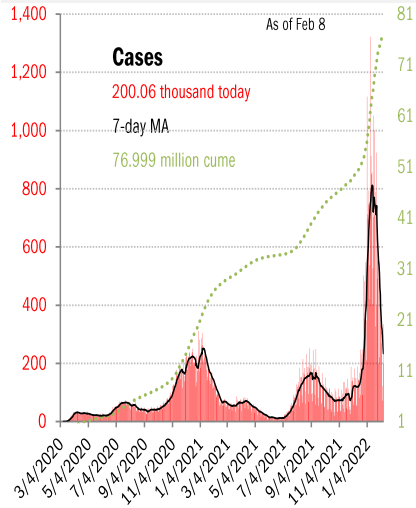
The demographics of US vaccination



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

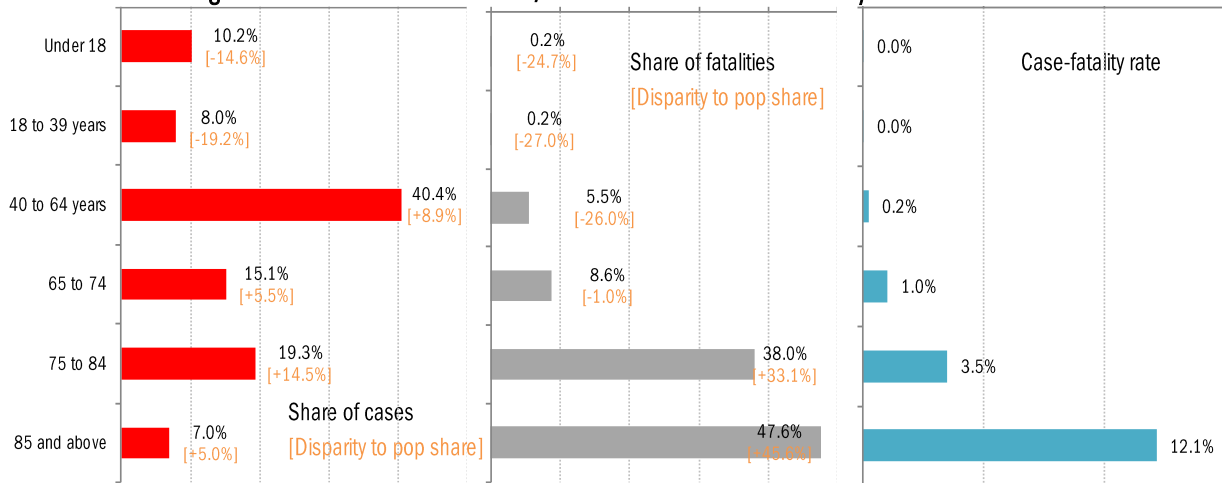
US deep-dive

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

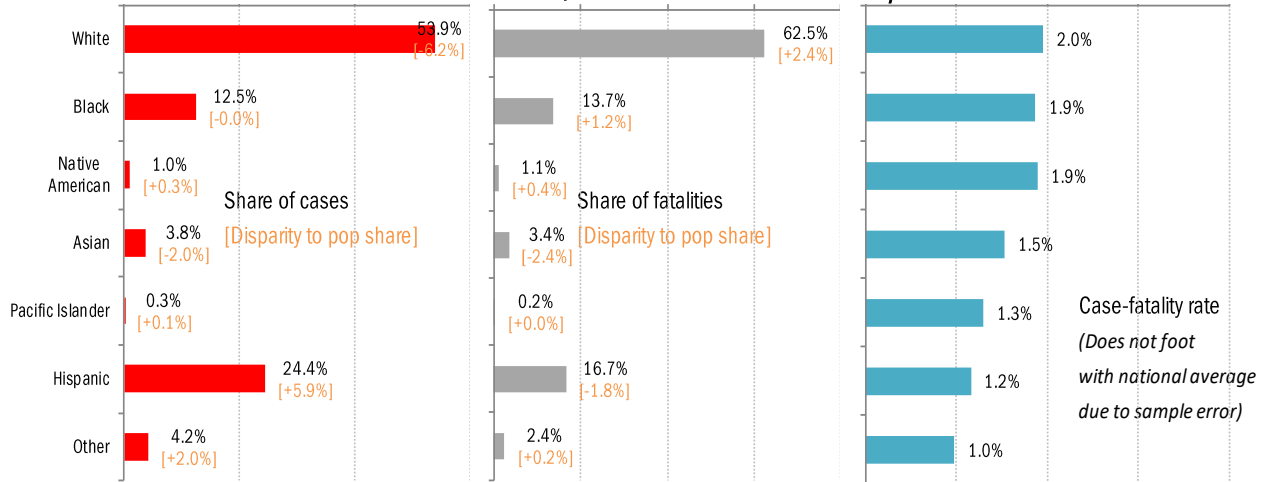


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

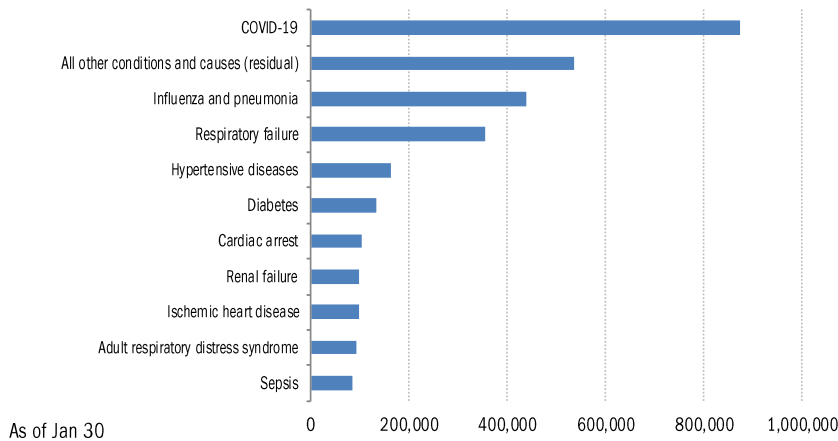


Racial distribution of US cases, fatalities and case-fatality rates



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

[Yale's Nicholas Christakis on the Pandemic Script](#)

Nick Gillespie

Reason

March 2022

[Host genomes for the unique SARS-CoV-2 variant leaked into Antarctic soil metagenomic sequencing data](#)

Istvan Csabai, Norbert Solymosi

Research Square

February 7, 2022

[Airlines urge White House to end COVID international travel testing rules](#)

David Shepardson

Reuters

February 2, 2022

[Casey Mulligan Discusses Substance Abuse and the COVID-19 Pandemic](#)

Casey Mulligan

NBER

February 7, 2022

[New Zealand protesters block streets outside parliament](#)

Reuters

February 8, 2022

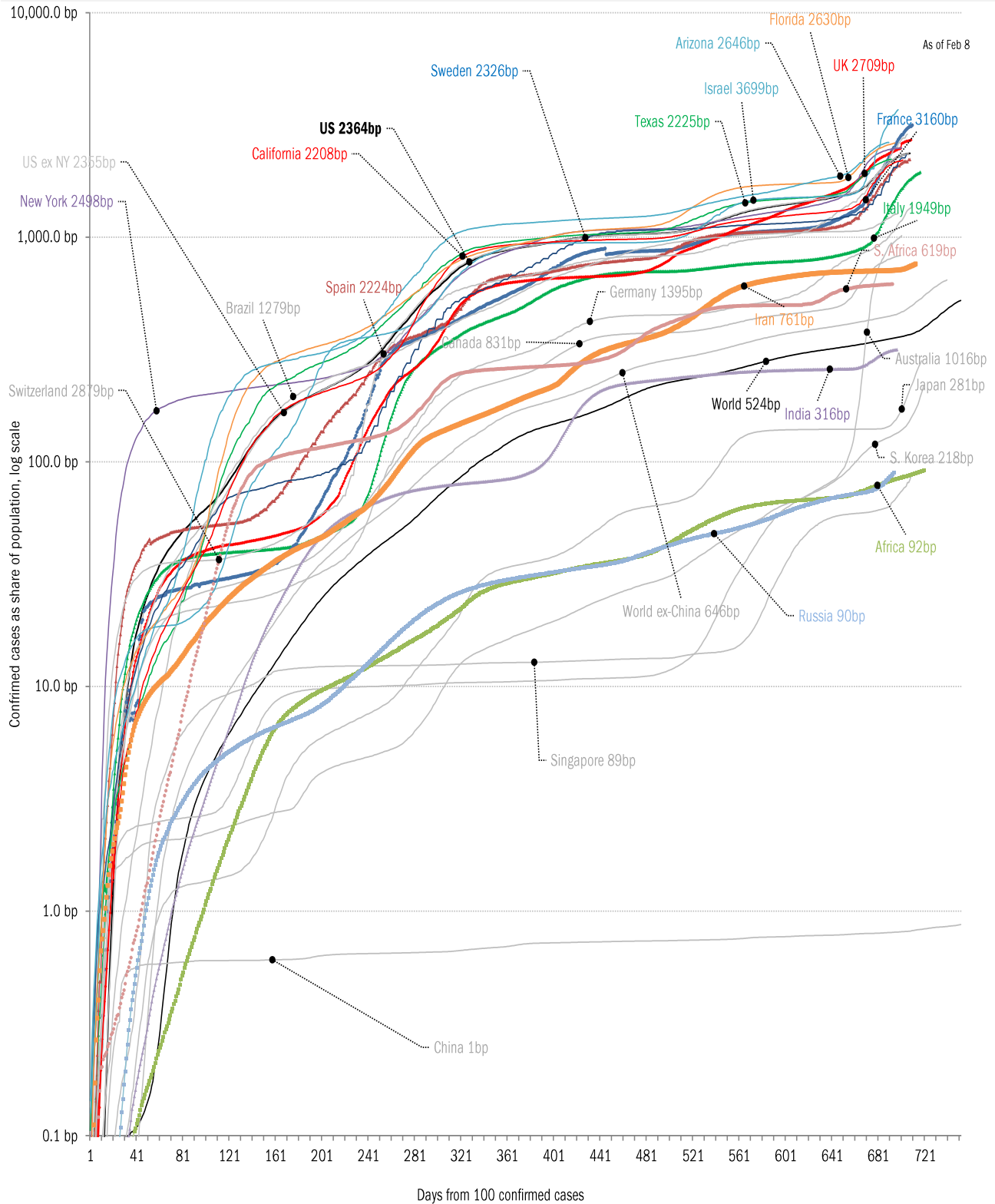
Meme of the day

New York Restaurant Adds Voting Booth So They Can Allow People In Without ID



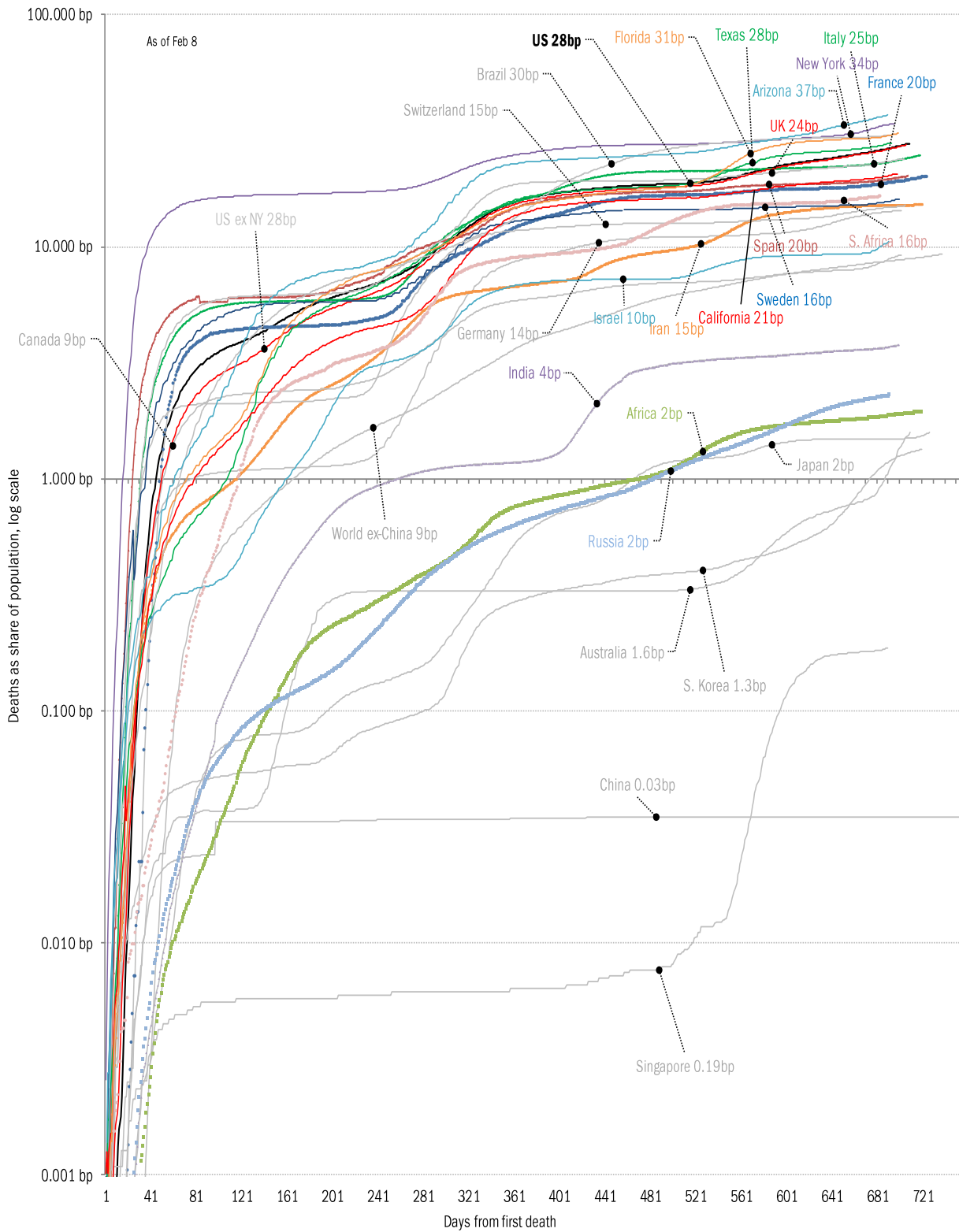
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

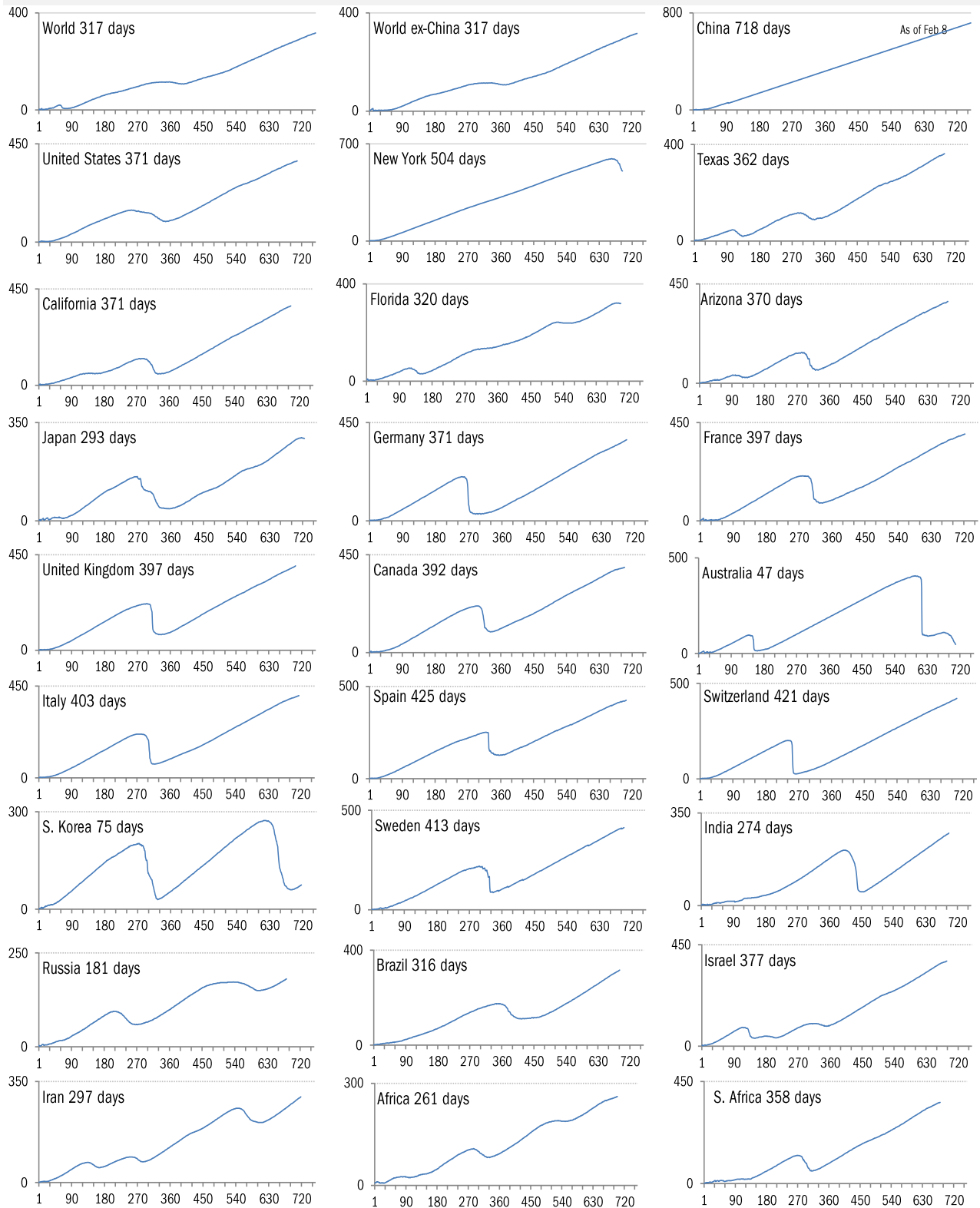


Source: [Johns Hopkins](#), TrendMacro calculations

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

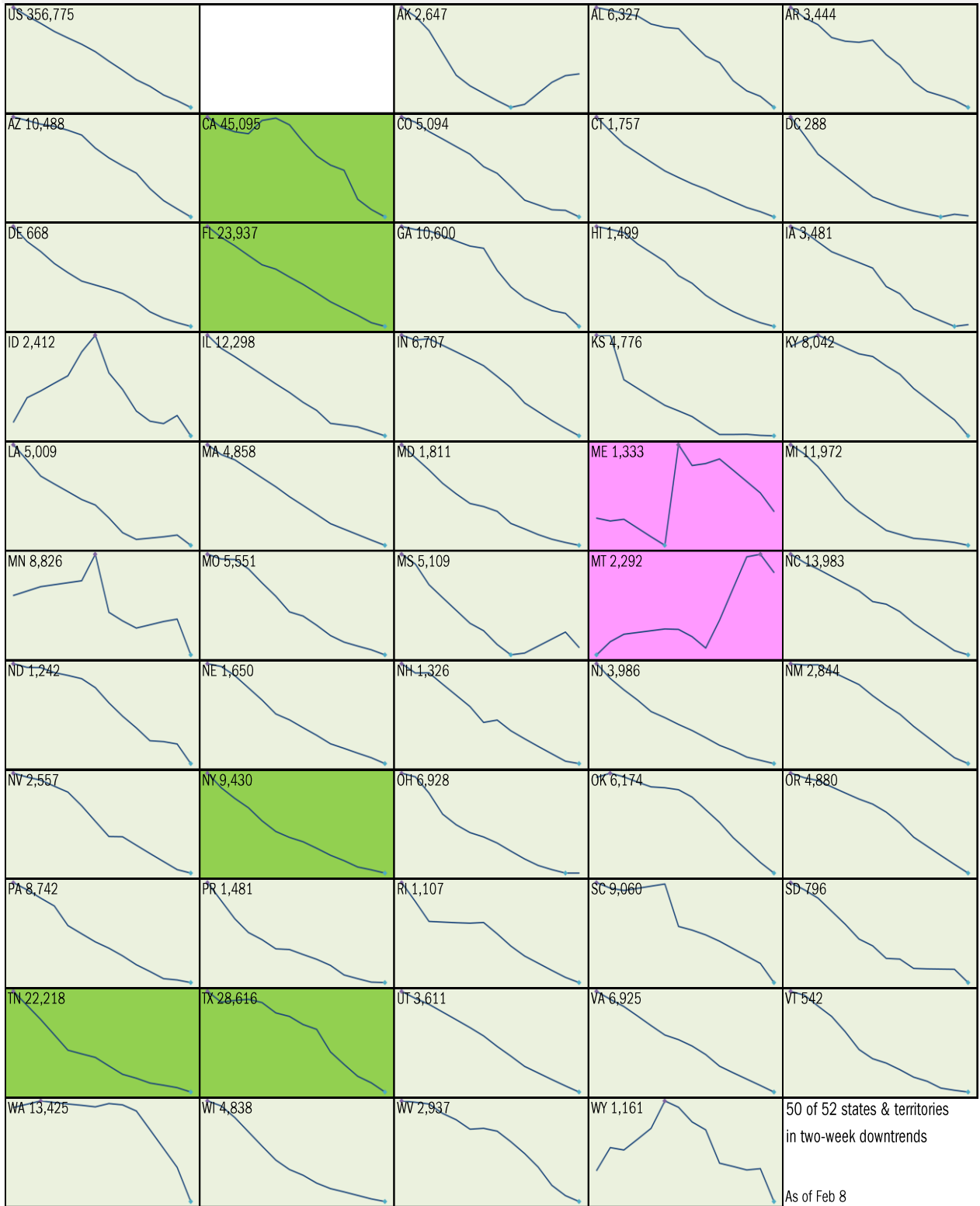
Vertical: days to double deaths Horizontal: days from first death

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

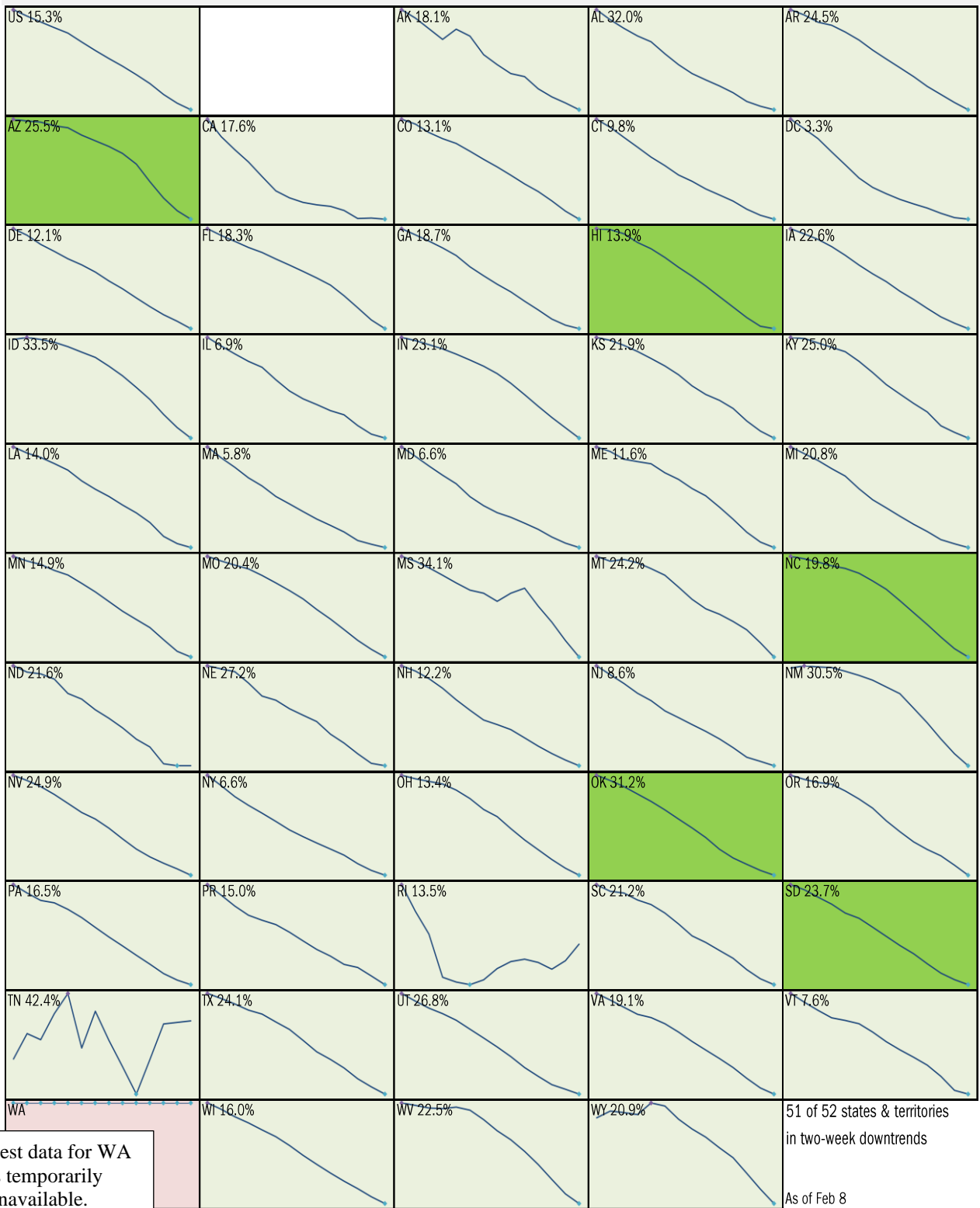


Source: [Johns Hopkins](#), TrendMacro calculations

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

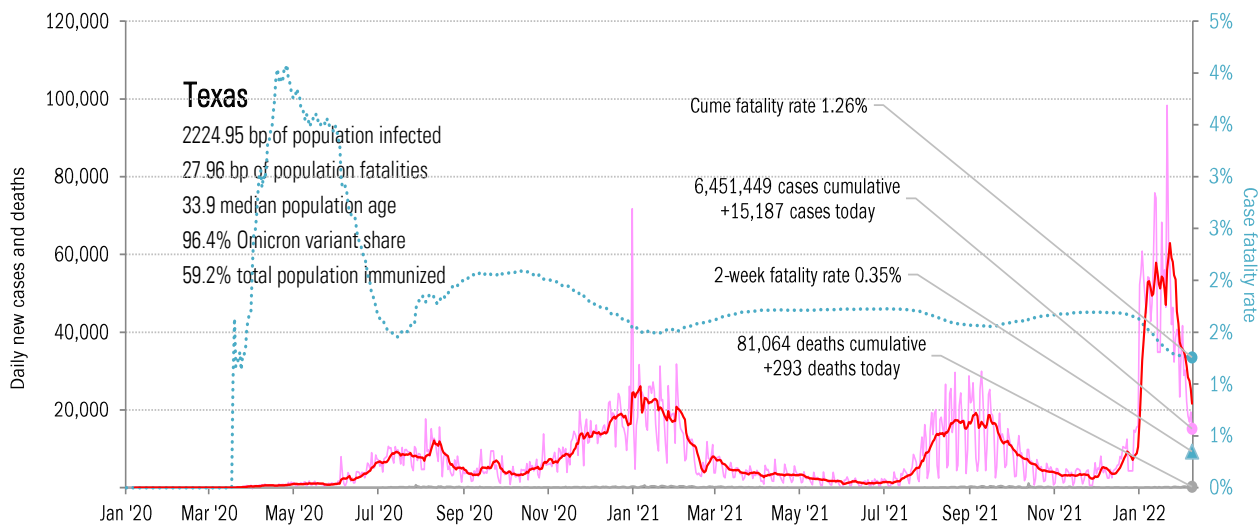
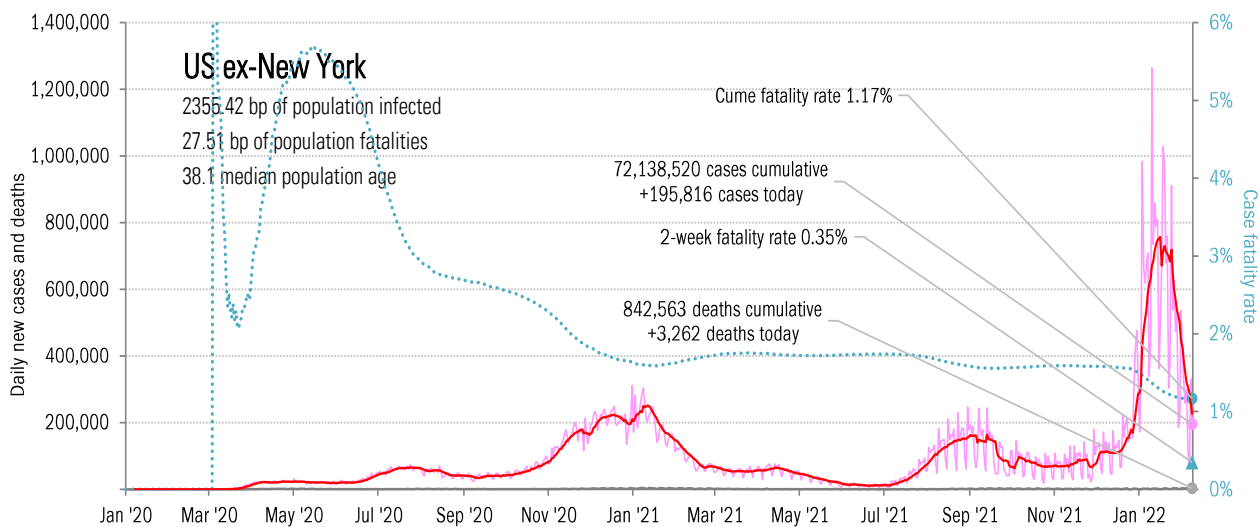
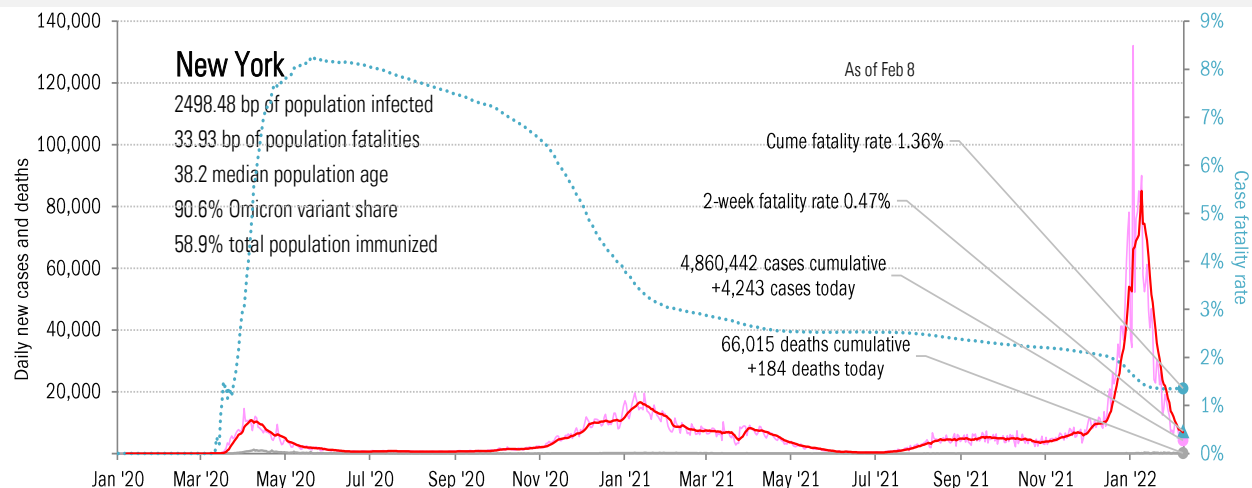
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

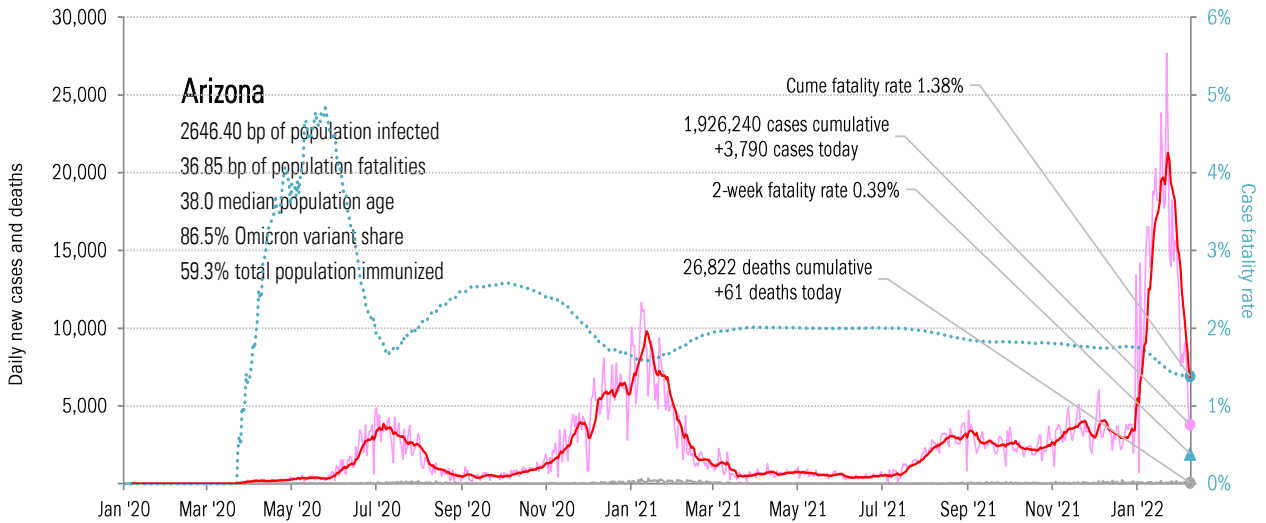
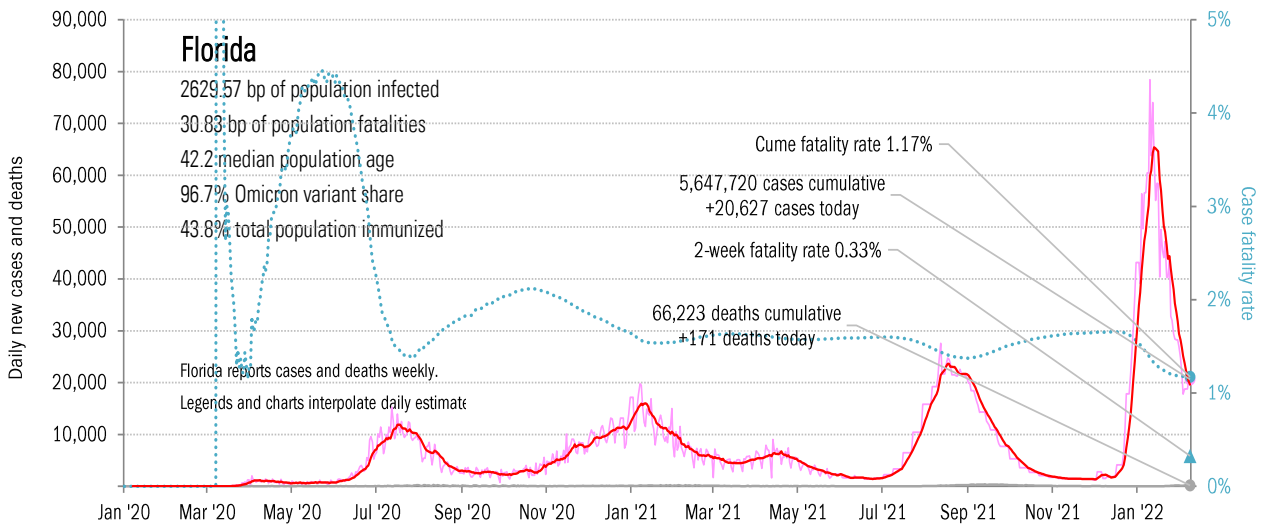
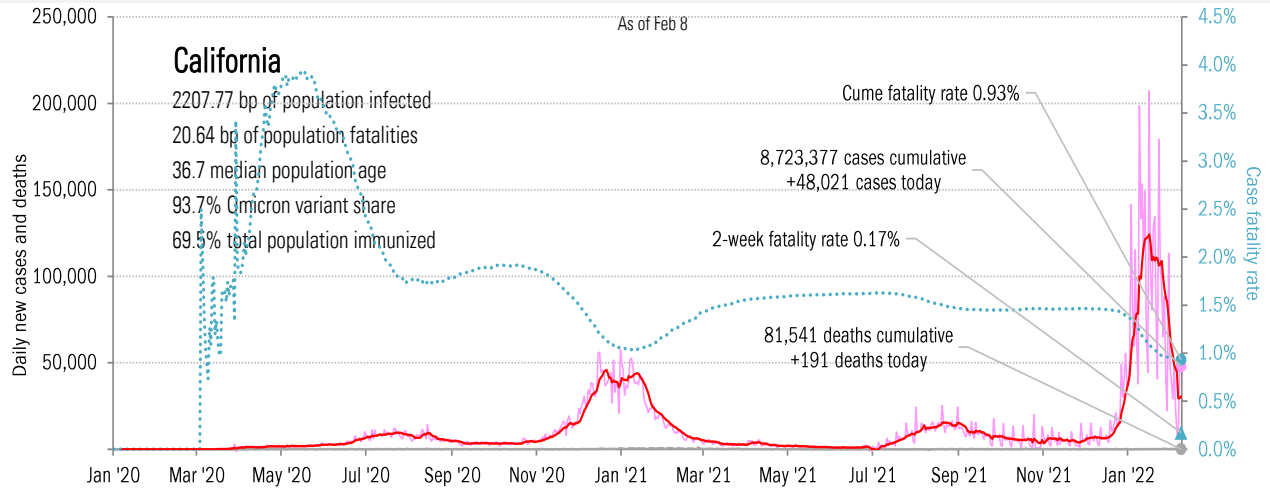
Cases: 7-day average and daily Deaths: Daily



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

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

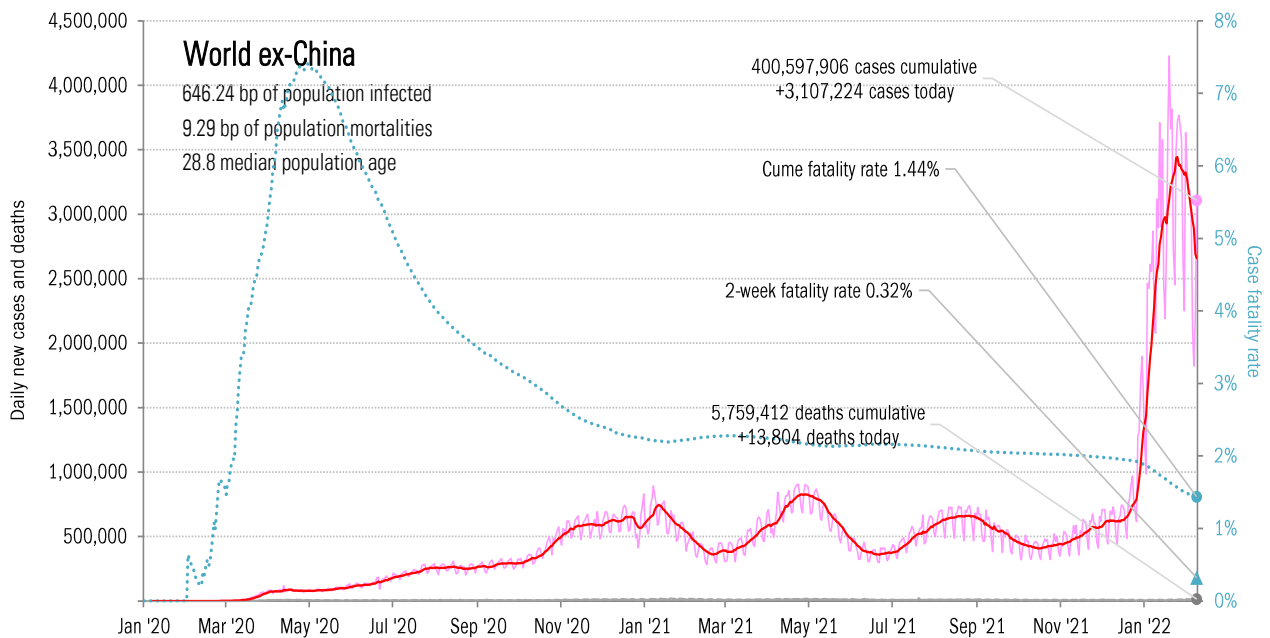
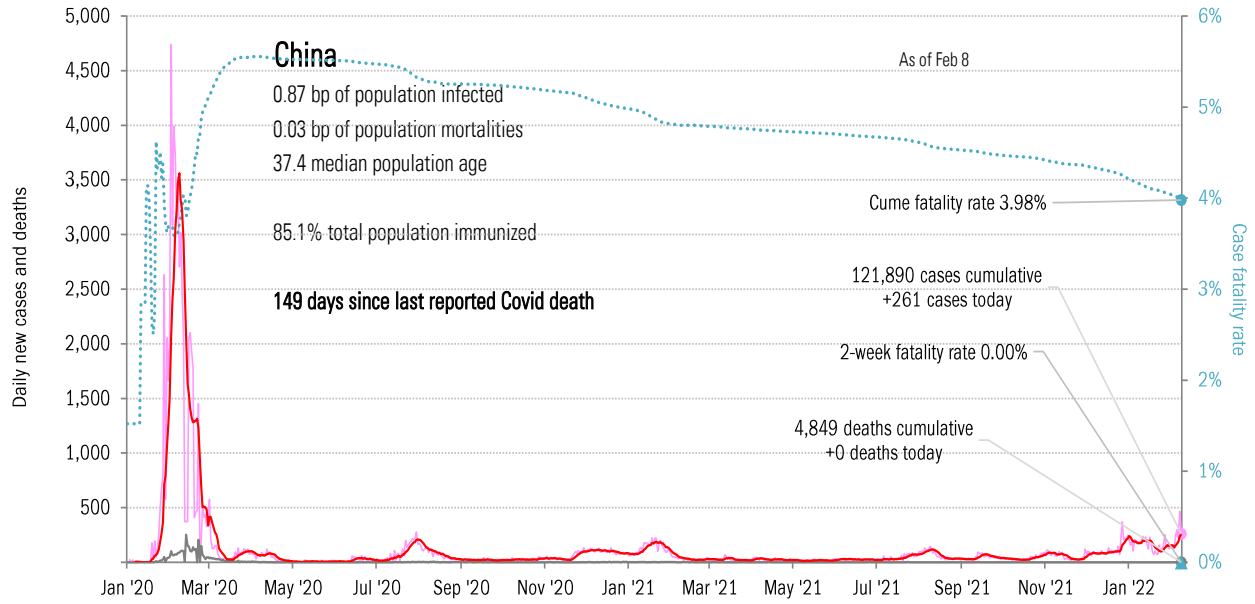
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

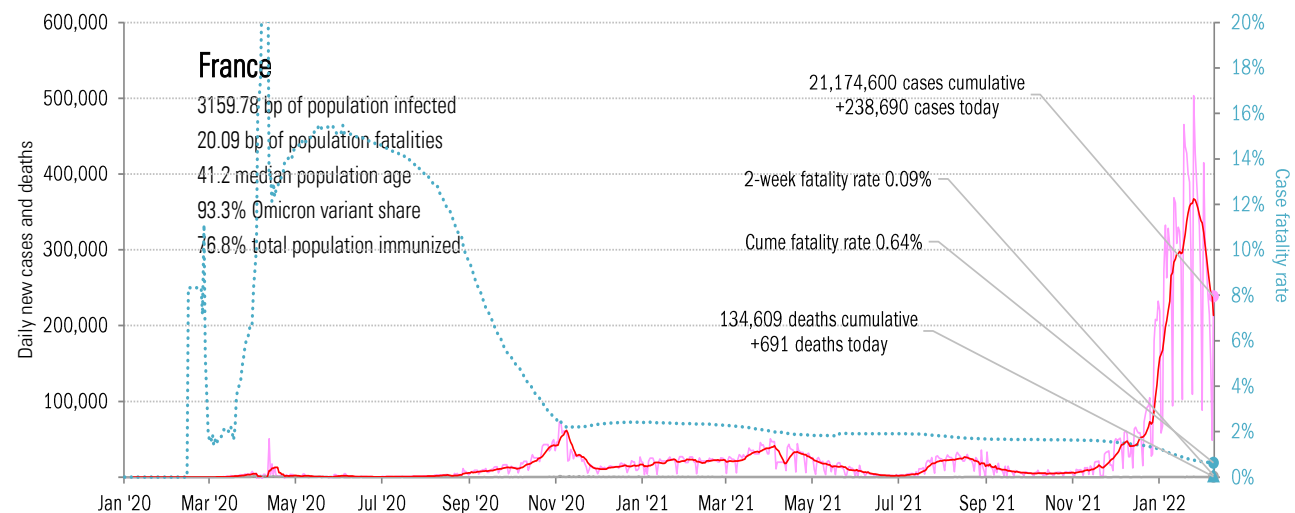
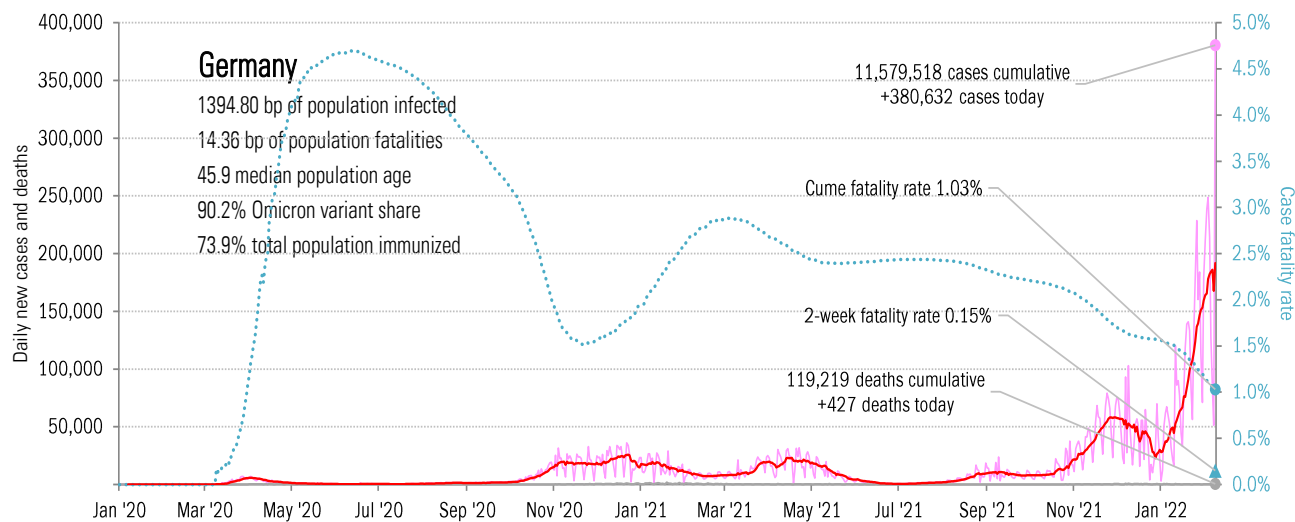
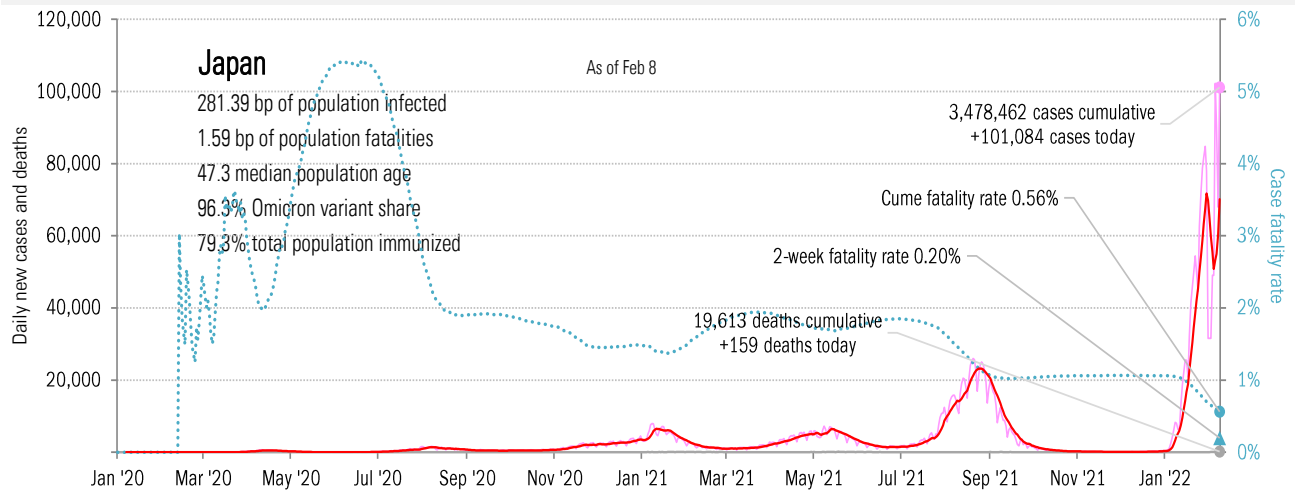
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

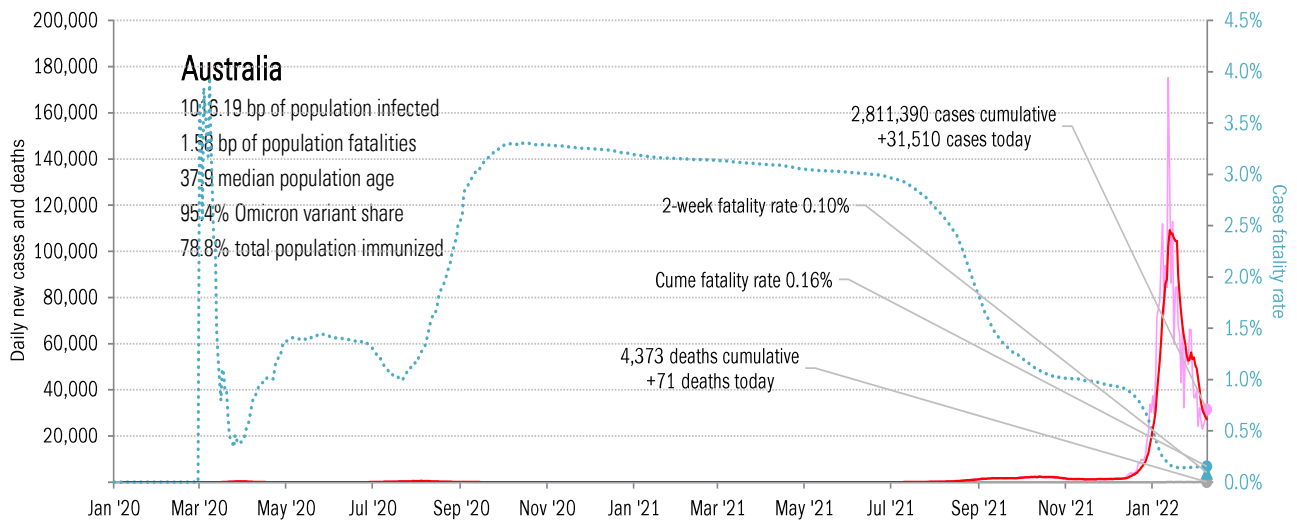
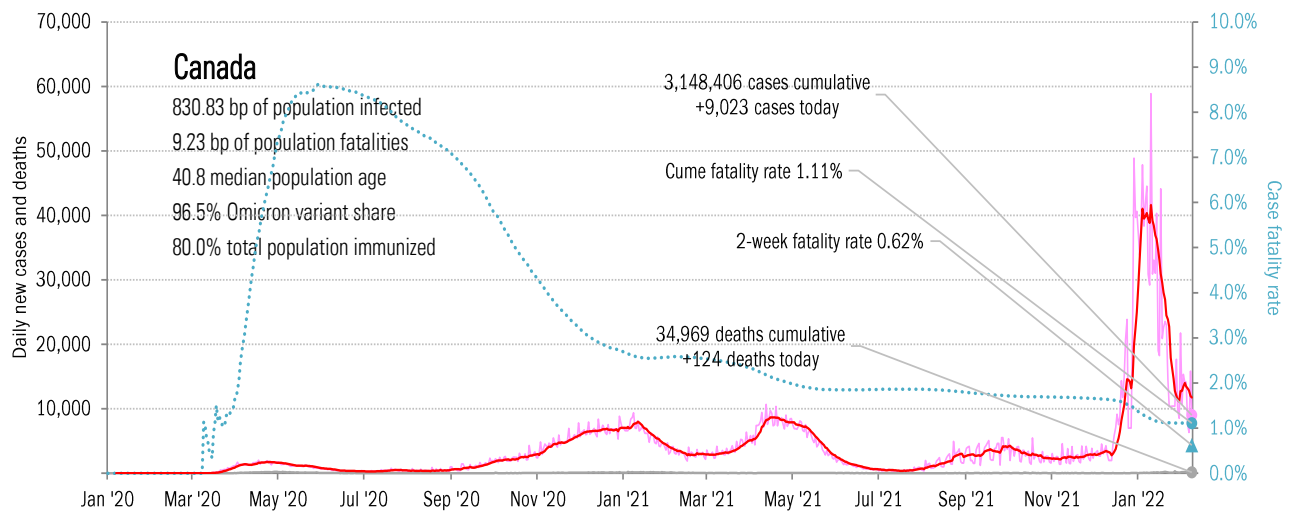
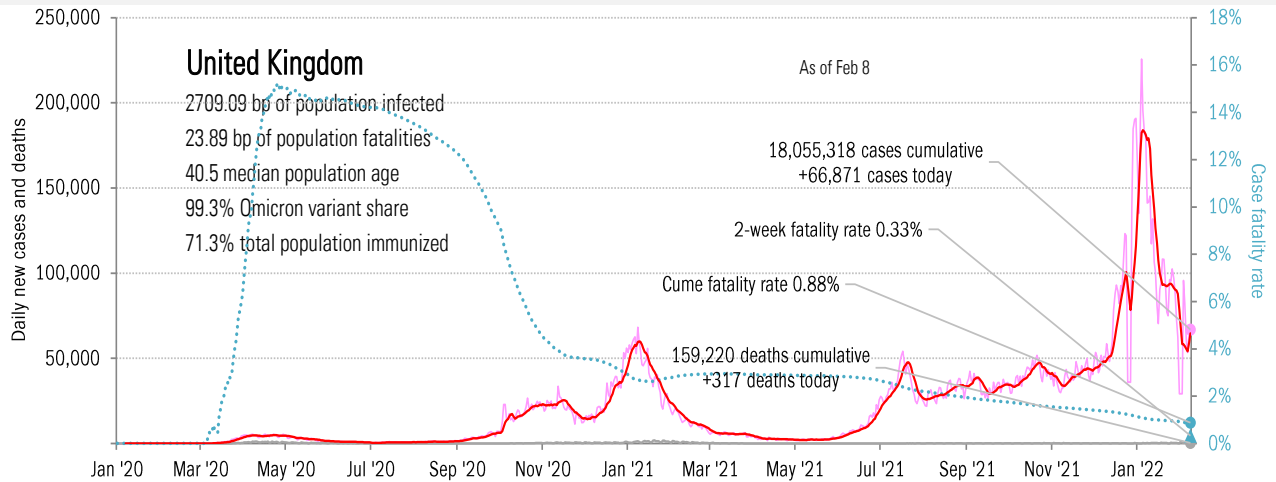
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

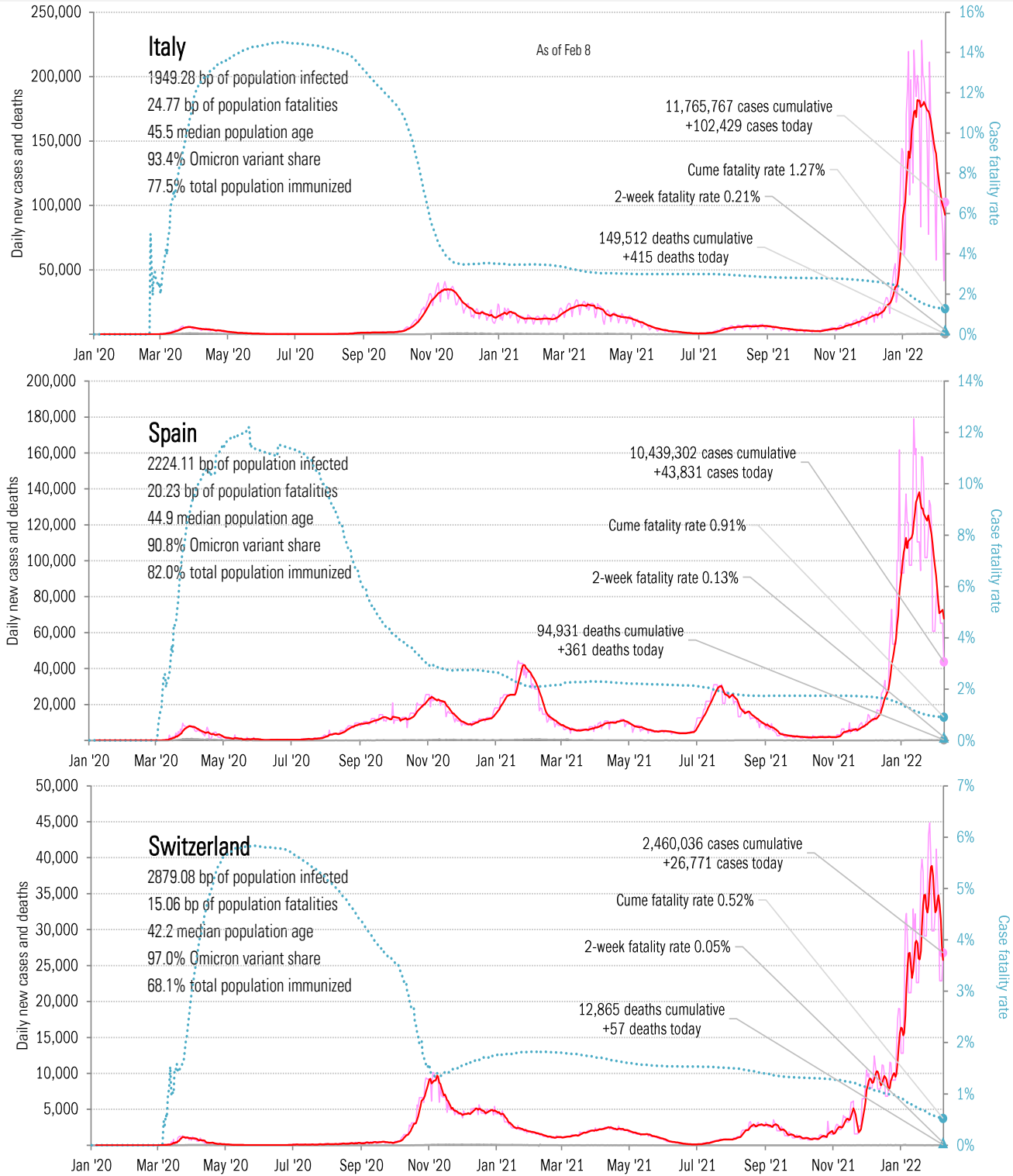
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

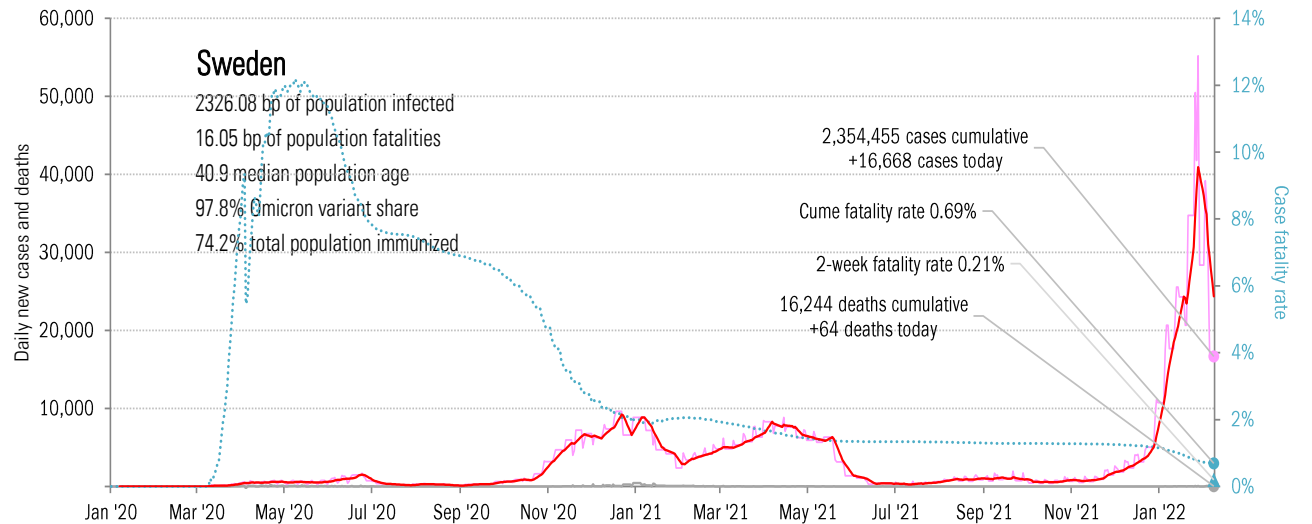
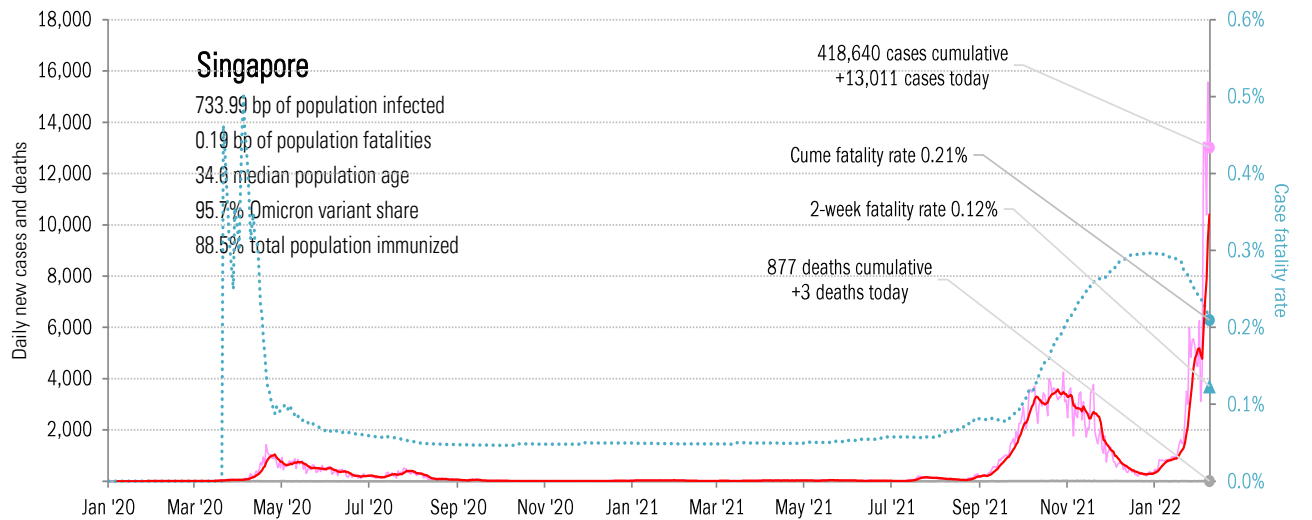
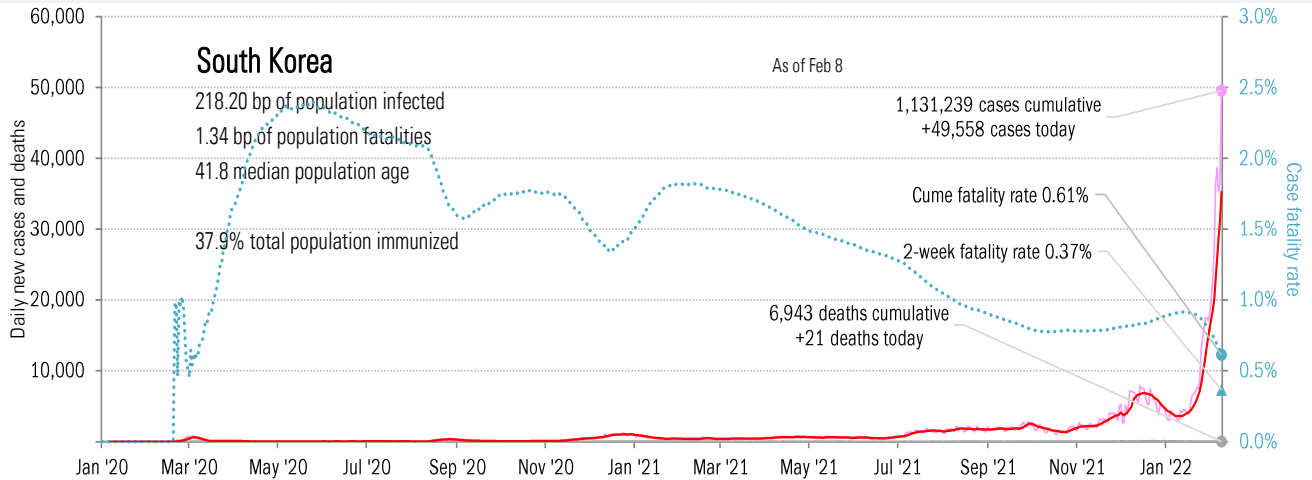
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

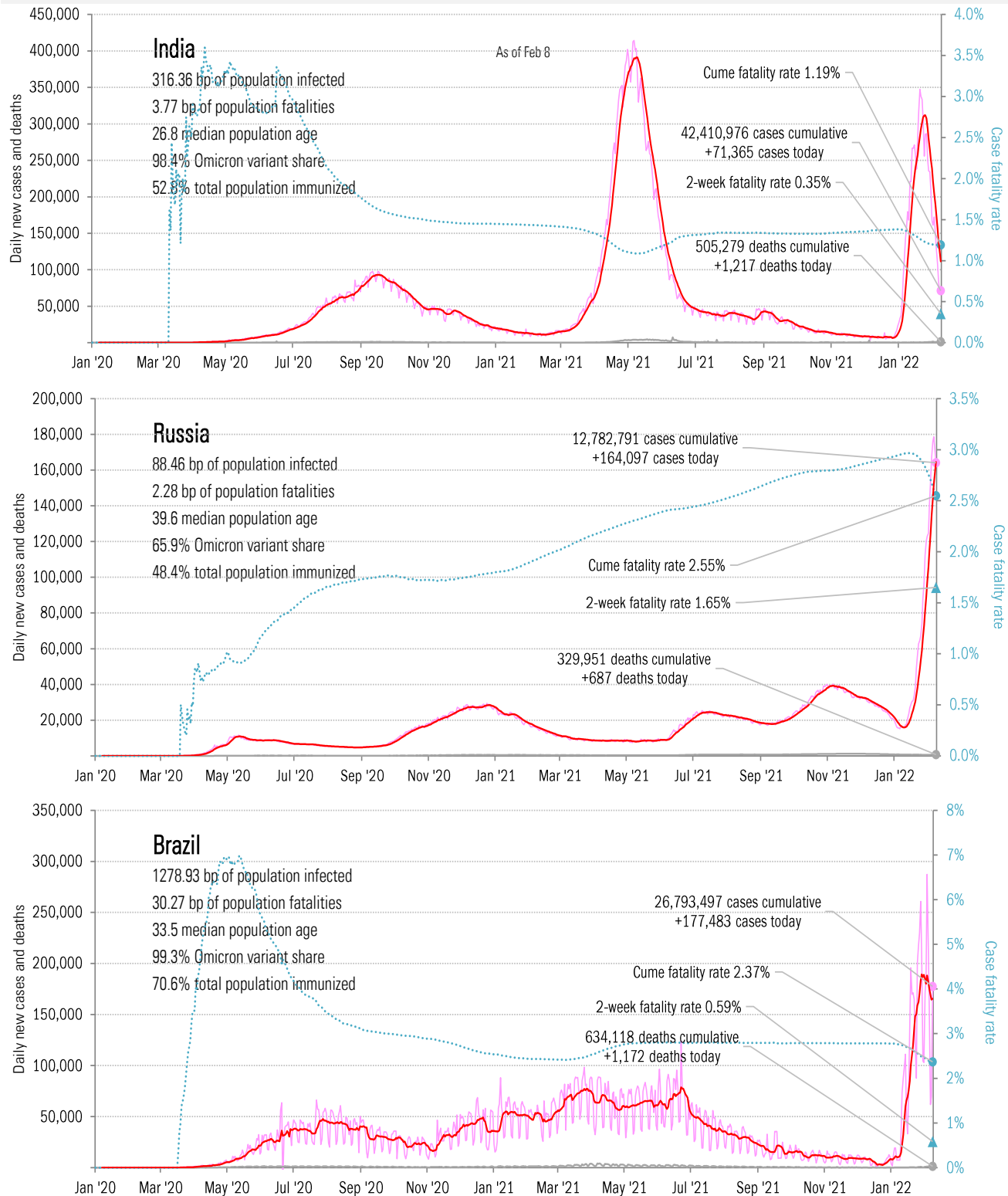
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

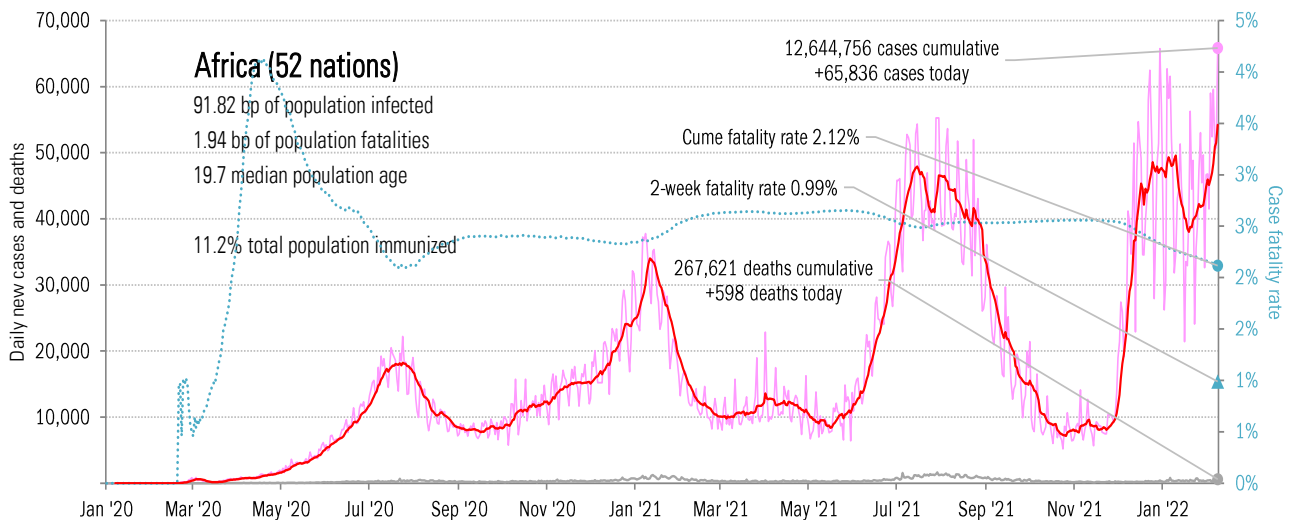
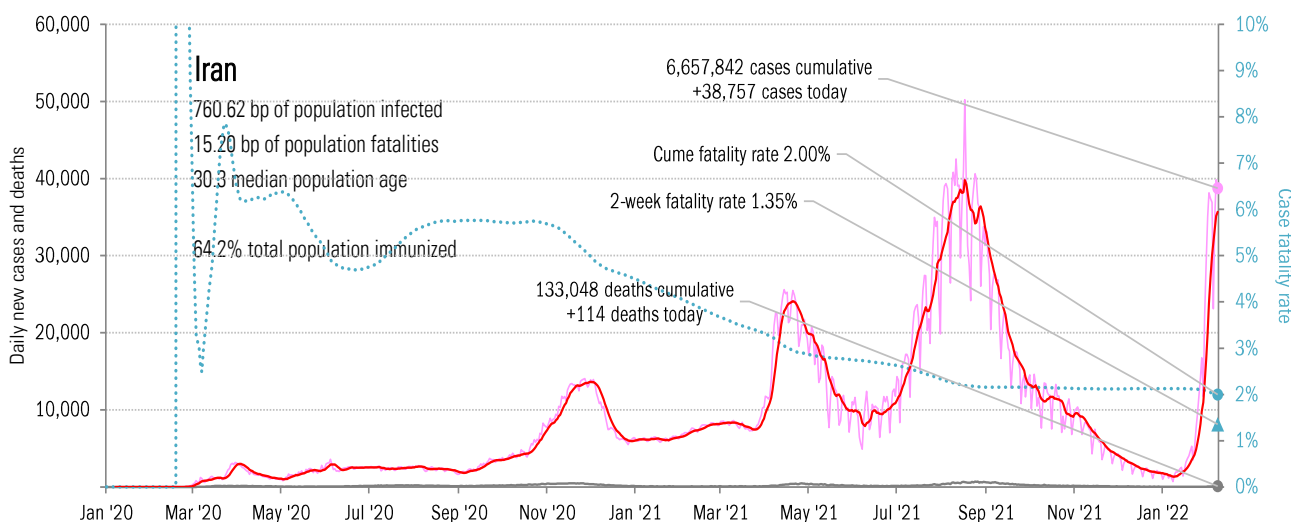
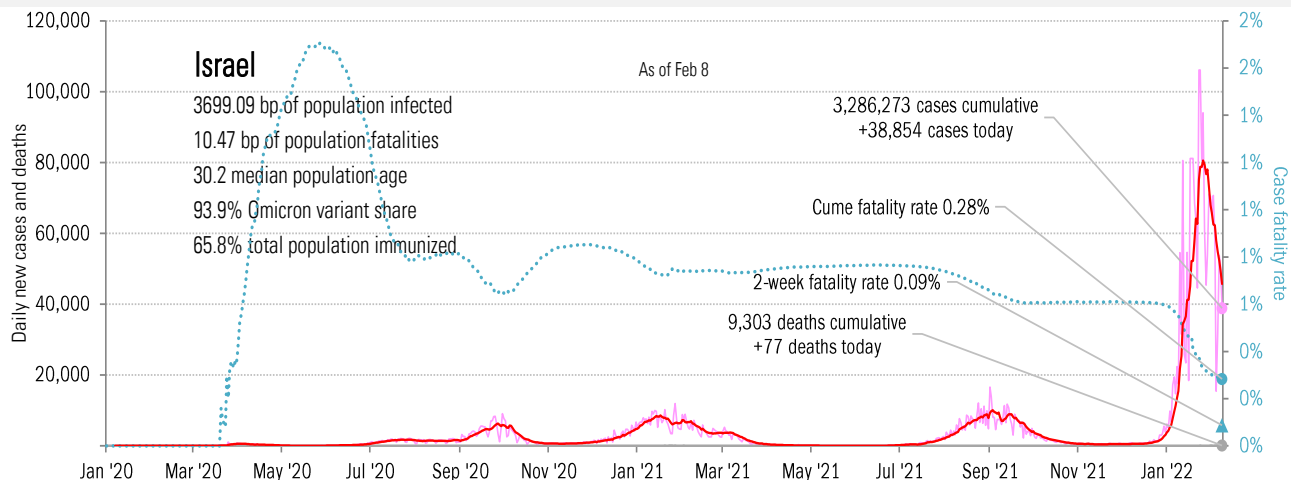
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

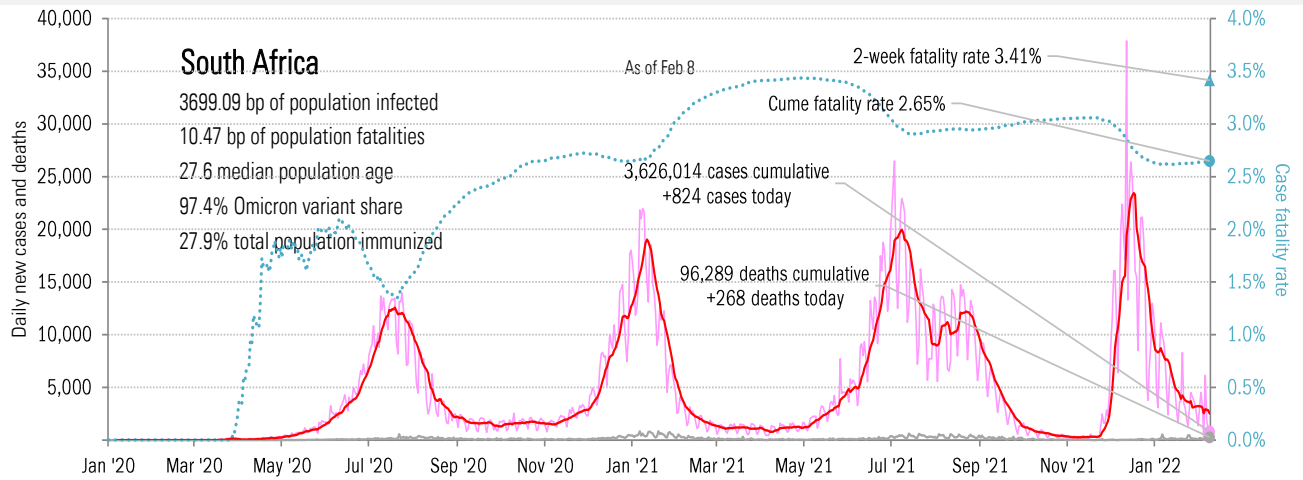
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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