

Data Insights: Covid-2019 Monitor

Tuesday, February 21, 2023

The global scorecard

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

The worst ten countries (see China note page 14)

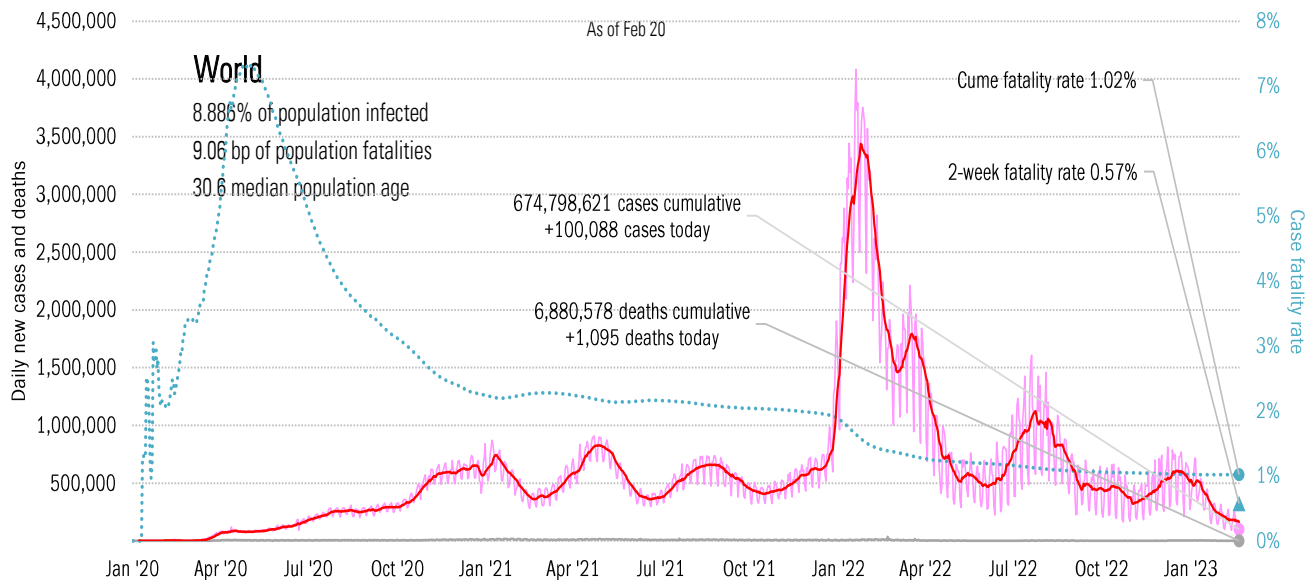
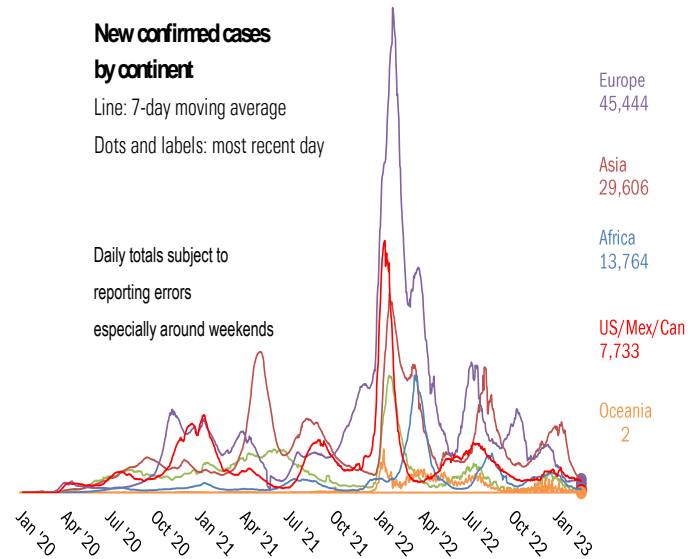
New cases		New Deaths	
United States	35,058	United States	408
Italy	28,347	Germany	86
Brazil	17,169	Canada	84
Germany	15,997	Australia	63
Taiwan*	12,058	Japan	51
Russia	11,969	France	47
Korea, South	11,880	Taiwan*	44
China	8,847	Italy	43
France	8,133	Brazil	32
Spain	7,038	Spain	30

New confirmed cases by continent

Line: 7-day moving average

Dots and labels: most recent day

Daily totals subject to reporting errors especially around weekends



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

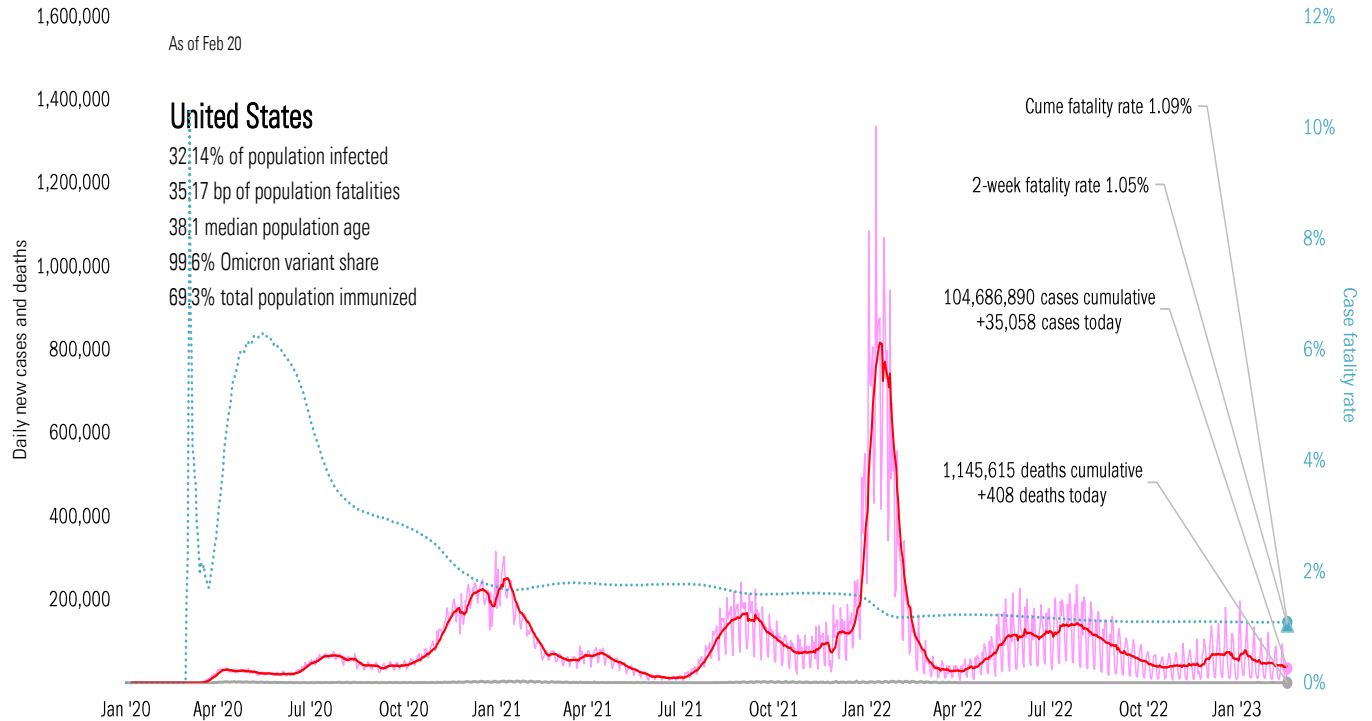
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
FL	4,721		FL	83	CA	431	CA	12,059,365	CA	100,581	TX	587,863	MA	88%	VT	92%					
CA	4,041		CA	38	PA	170	TX	8,417,995	TX	93,043	CA	566,008	RI	86%	AL	87%					
NY	2,633		NY	28	CH	151	FL	7,516,906	FL	86,294	FL	531,877	MN	85%	AR	85%					
NC	1,673		DE	20	MA	104	NY	6,758,560	NY	76,956	NY	353,508	DE	84%	CK	84%					
NJ	1,612		VA	20	FR	33	IL	4,050,952	PA	50,055	CH	243,739	DC	83%	TX	84%					
IL	1,545		PA	19	IN	69	PA	3,502,122	GA	42,245	GA	241,924	WA	83%	AK	84%					
WI	1,361		MA	18	NC	107	NC	3,449,973	MI	41,868	PA	229,980	MO	82%	MA	83%					
CH	1,286		GA	12	CT	61	CH	3,373,859	CH	41,615	IL	213,092	WV	82%	NC	82%					
VA	1,050		ME	11	TX	264	GA	3,049,248	IL	41,335	MI	180,300	CA	81%	RI	82%					
MI	984		IL	11	MI	83	MI	3,043,192	NJ	35,918	NJ	162,821	AK	81%	MO	81%					
20,906			260			1,473			55,222,172			609,910			3,311,112						
All states	35,058		408		3,242		All states	104,686,890	1,145,615		5,999,133		All states	70%		67%					
Top ten	60%		64%		45%		Top ten	54%	55%		55%		Median	76%		75%					

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CO	-1,173	WI	-8	FL	-47
PA	-1,089	AK	0	TN	-32
TX	-360	AL	0	MS	-28
CT	-79	AR	0	KS	-21
AK	0	AZ	0	WA	-21

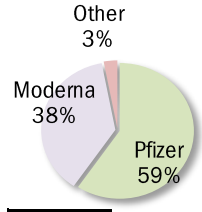


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	687,757,074		+0.100 million		US	69.3%	81.1%	
			Of which boosters: +0.069 million		UK	75.2%	79.7%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.4%	80.6%
Total population	277,766,983	83%	236,754,227	71%	+0.014 million	Spain	85.6%	86.9%
Age 12 to 17	18,473,231	73%	15,810,010	62%	+0.001 million	Germany	76.2%	77.8%
Age 18 to 64	184,660,818	91%	156,918,716	77%	+0.008 million	Italy	81.3%	86.2%
Age 65 and over	61,081,851	100%	53,508,406	98%	+0.002 million	Australia	82.7%	85.0%
						Israel	65.2%	71.1%
						Canada	82.6%	90.4%
						Japan	83.3%	84.5%
						Africa	28.5%	34.7%
						India	67.2%	72.5%
						Brazil	81.6%	87.9%
						China	89.5%	91.9%



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

"Immunity" = two doses

AK
73.0%
65.1%

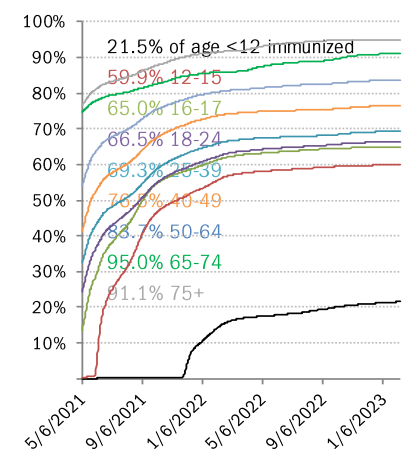
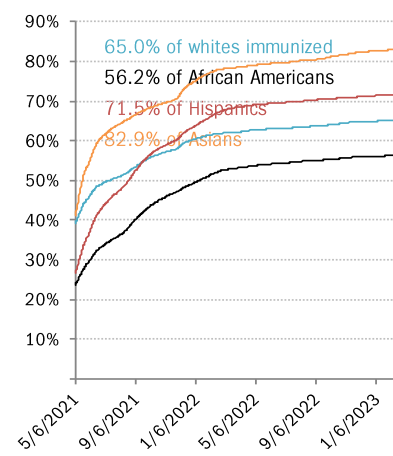
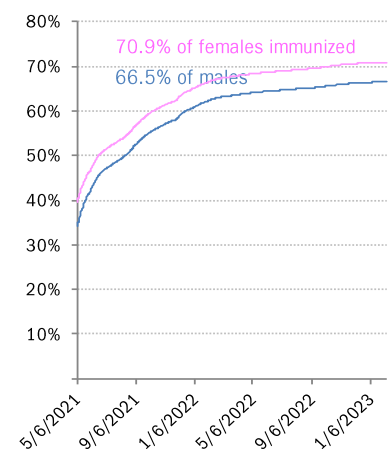
WI
75.1%
68.2%

As of Feb 17

ME
95.0%
83.3%

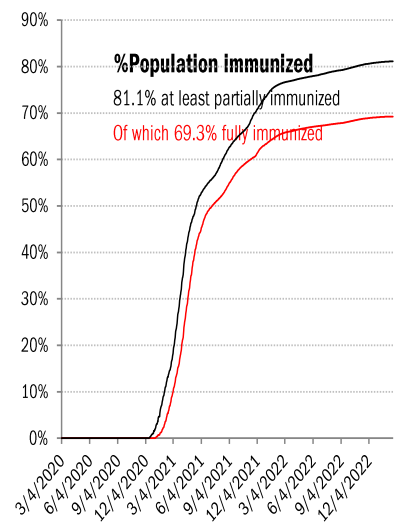
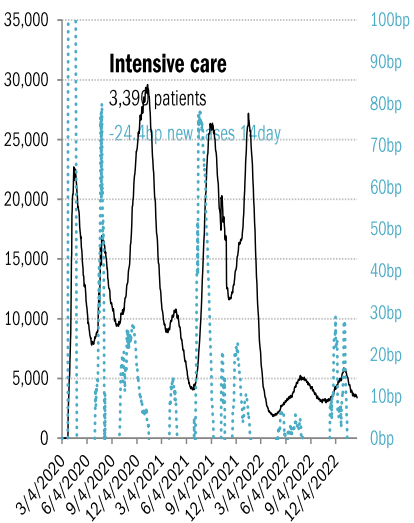
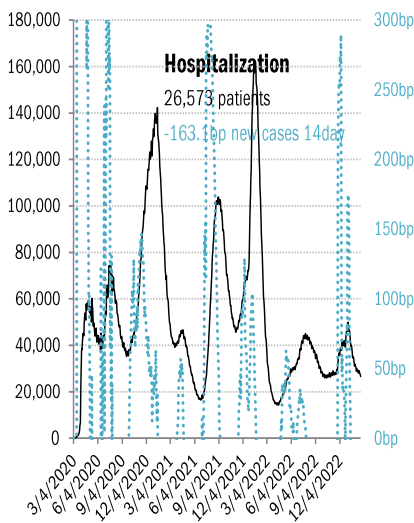
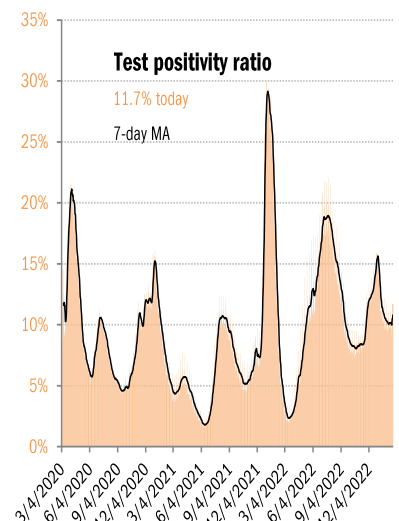
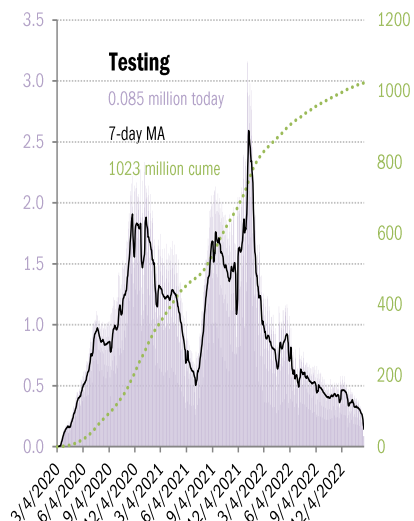
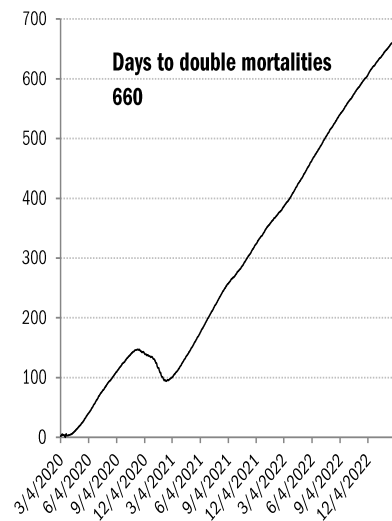
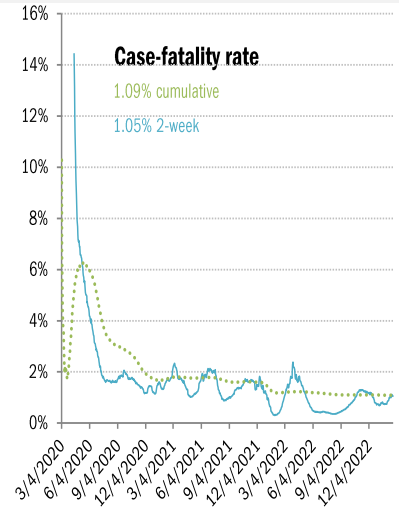
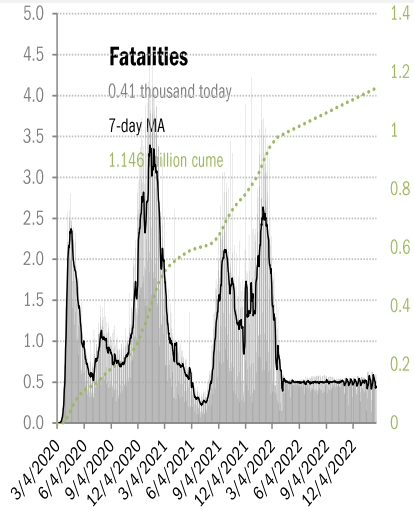
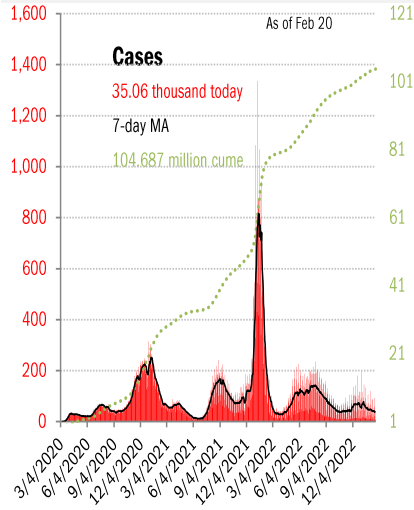
WA: 85.2% / 76.0%	ID: 63.9% / 56.4%	MT: 68.3% / 59.2%	ND: 69.4% / 58.7%	MN: 78.8% / 72.1%	IL: 79.2% / 71.3%	MI: 69.4% / 62.3%	NY: 94.4% / 80.8%	VT: 95.0% / 85.7%	NH: 88.2% / 71.9%	
OR: 81.6% / 72.4%	NV: 77.6% / 63.7%	WY: 60.9% / 53.0%	SD: 83.9% / 66.3%	IA: 70.7% / 64.4%	IN: 64.4% / 57.7%	OH: 65.7% / 60.4%	PA: 90.6% / 73.4%	NJ: 94.6% / 79.1%	MA: 95.0% / 84.3%	
CA: 84.7% / 74.7%	UT: 75.3% / 66.7%	CO: 83.7% / 73.5%	NE: 73.4% / 66.3%	MO: 69.3% / 59.0%	KY: 68.8% / 59.6%	WV: 67.5% / 59.7%	VA: 91.0% / 76.6%	MD: 91.7% / 79.7%	CT: 95.0% / 83.0%	RI: 95.0% / 87.7%
	AZ: 77.6% / 66.0%	NM: 94.4% / 75.2%	KS: 76.2% / 65.3%	AR: 69.9% / 56.9%	TN: 64.4% / 56.3%	NC: 92.2% / 67.1%	SC: 71.0% / 59.9%	DC: 95.0% / 90.4%	DE: 88.2% / 73.3%	
		OK: 74.6% / 60.5%	LA: 62.8% / 55.0%	MS: 61.6% / 53.7%	AL: 65.0% / 53.2%	GA: 68.4% / 57.3%				
		TX: 76.4% / 63.2%					FL: 82.5% / 69.4%		PR: 90.9% / 84.1%	

The demographics of US vaccination

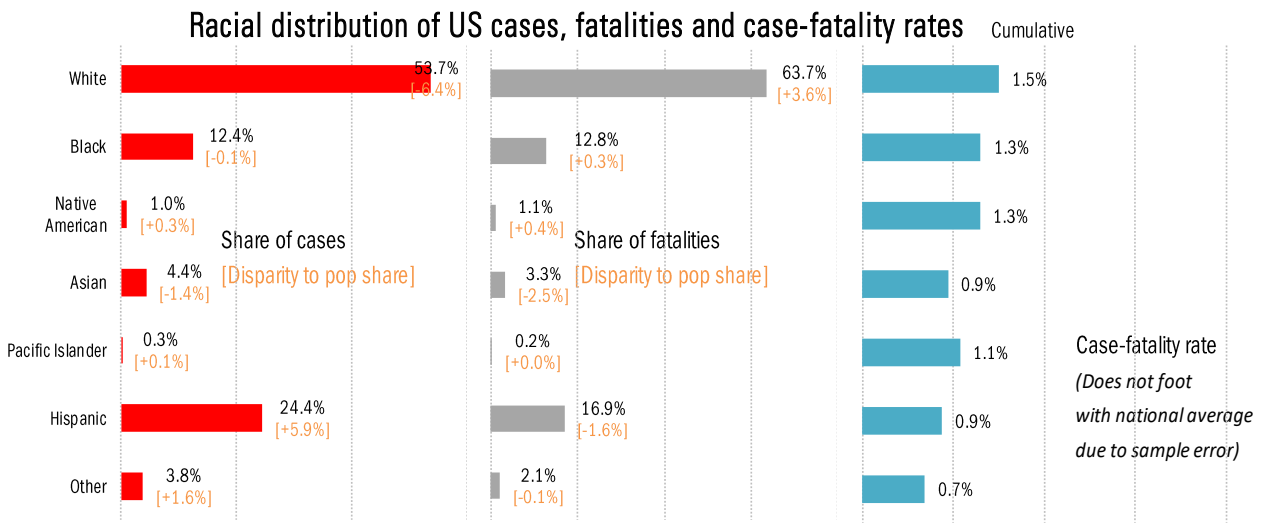
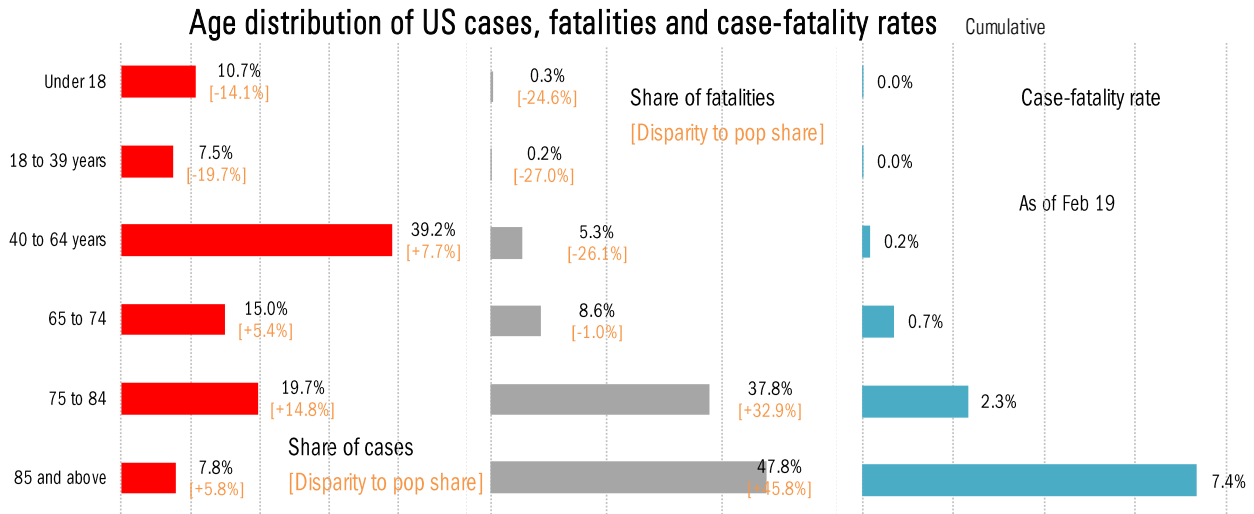


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

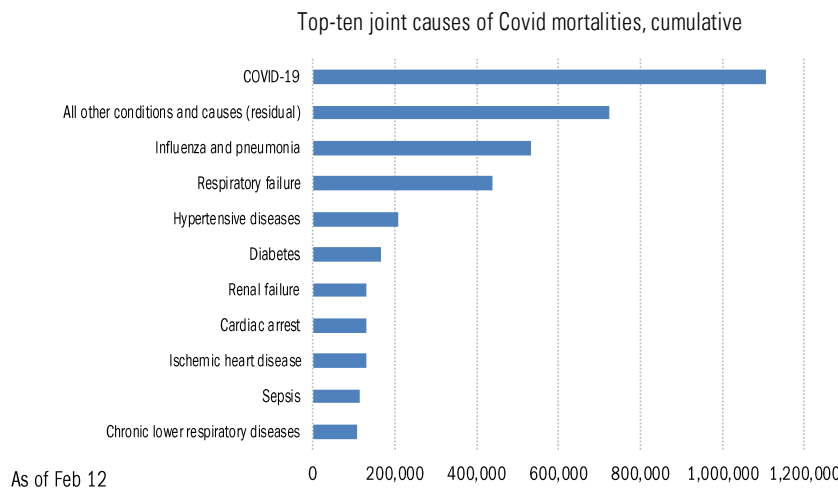
US deep-dive



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



Comorbidities



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

[CDC adds COVID-19 vaccines to official immunization schedule for kids as young as 6 months](#)

Melissa Rudy
Fox News
February 20, 2023

[COVID vaccine tied to fewer heart attacks, strokes among previously infected](#)

Mary Van Beusekom
CIDRAP
February 20, 2023

[Impact of Vaccination on Major Adverse Cardiovascular Events in Patients With COVID-19 Infection](#)

Joy Jiang et al.
Journal of the American College of Cardiology
February 20, 2023

[Disney employees fight mandate to work at offices four days a week](#)

Taylor Telford
Washington Post
February 16, 2023

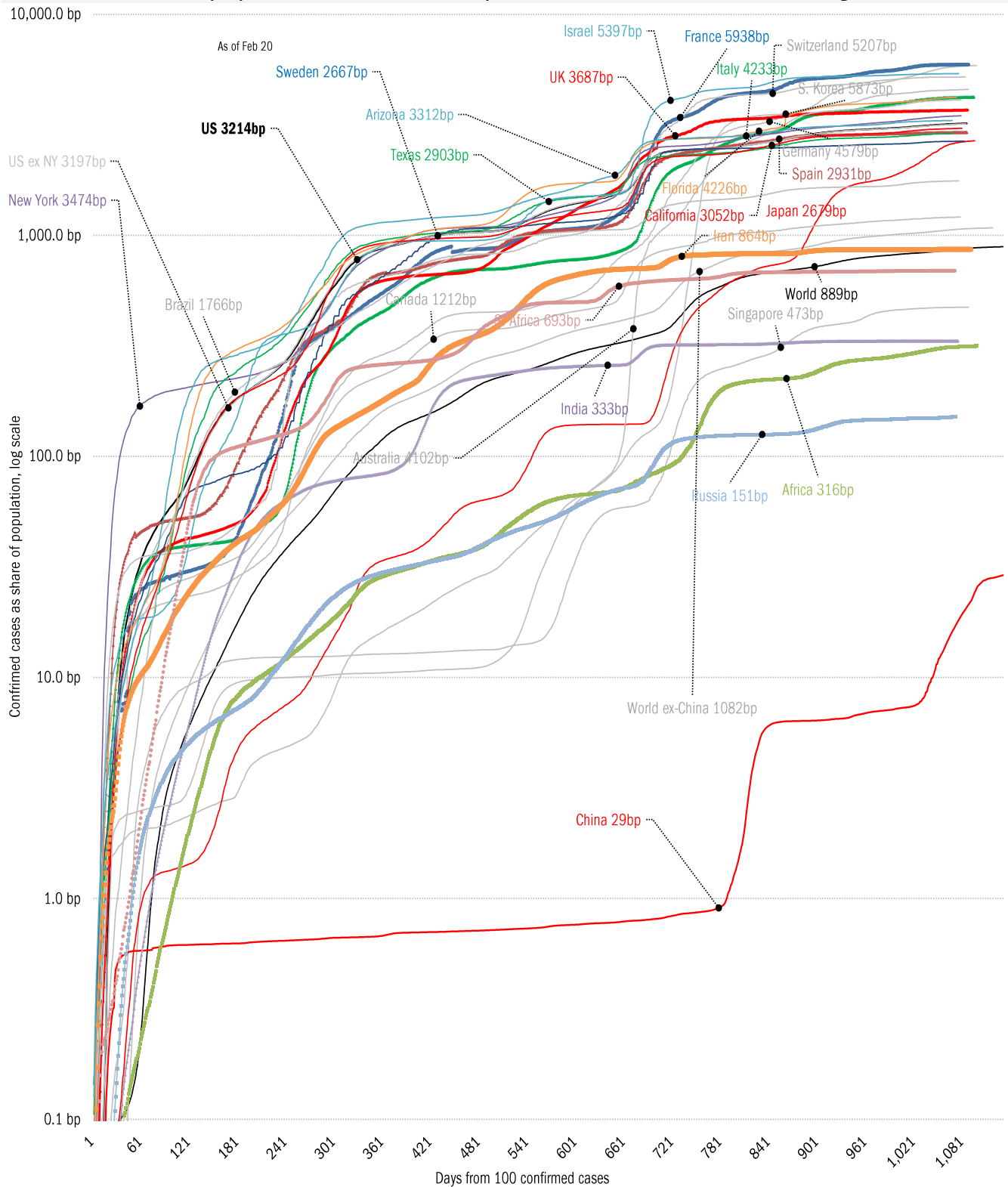
Meme of the Day



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

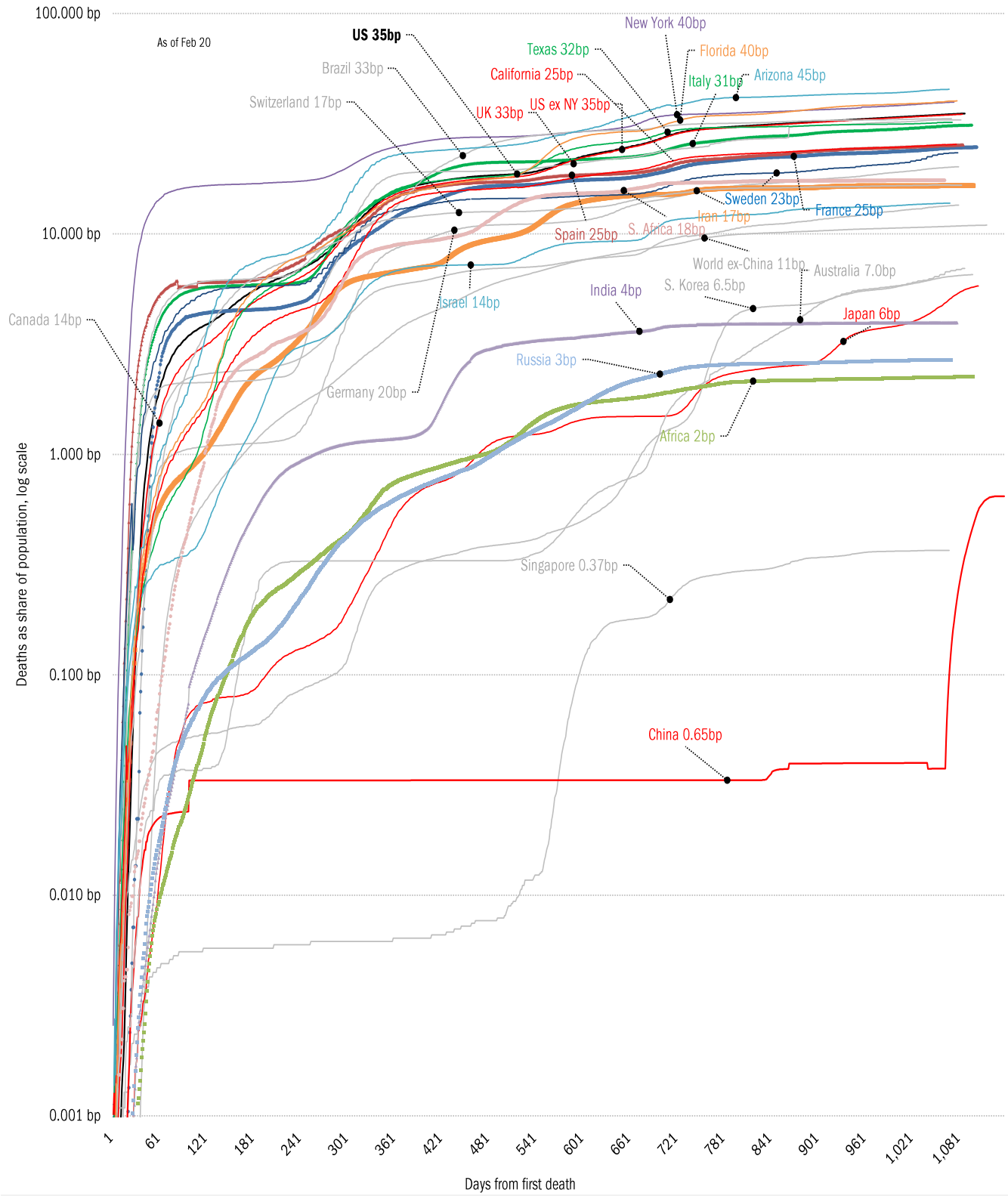
The global coronavirus case accelerometer... tracking the world's infection curves

Share of infected population from first day with 100 confirmed cases, log scale



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

The global coronavirus mortality accelerometer ... tracking the world's fatality curves
Share of population deceased from day of first fatality, log scale

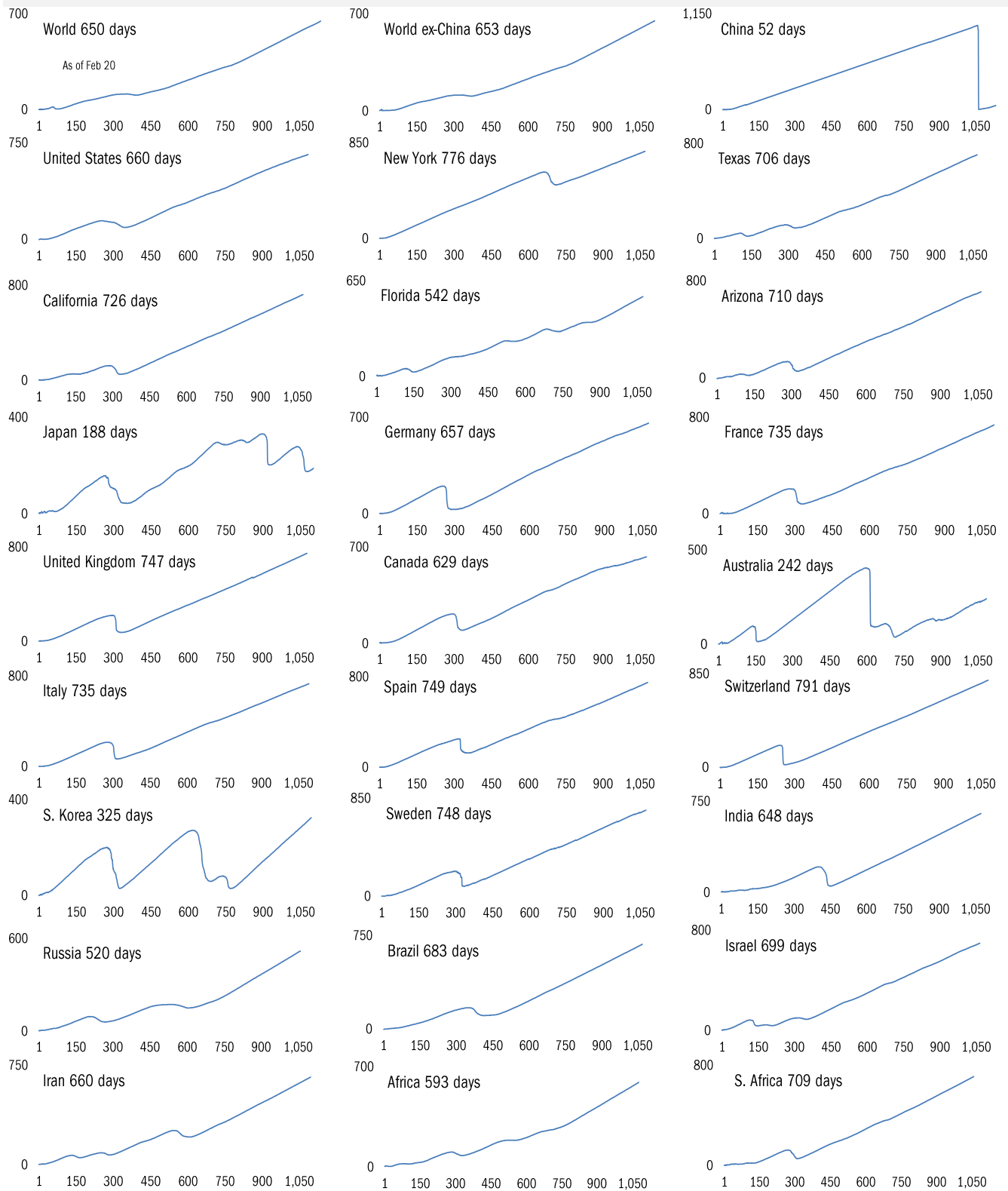


Source: [Johns Hopkins](#), TrendMacro calculations

Our most reliable evidence of the rate of spread of Covid-2019

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

Higher is good Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

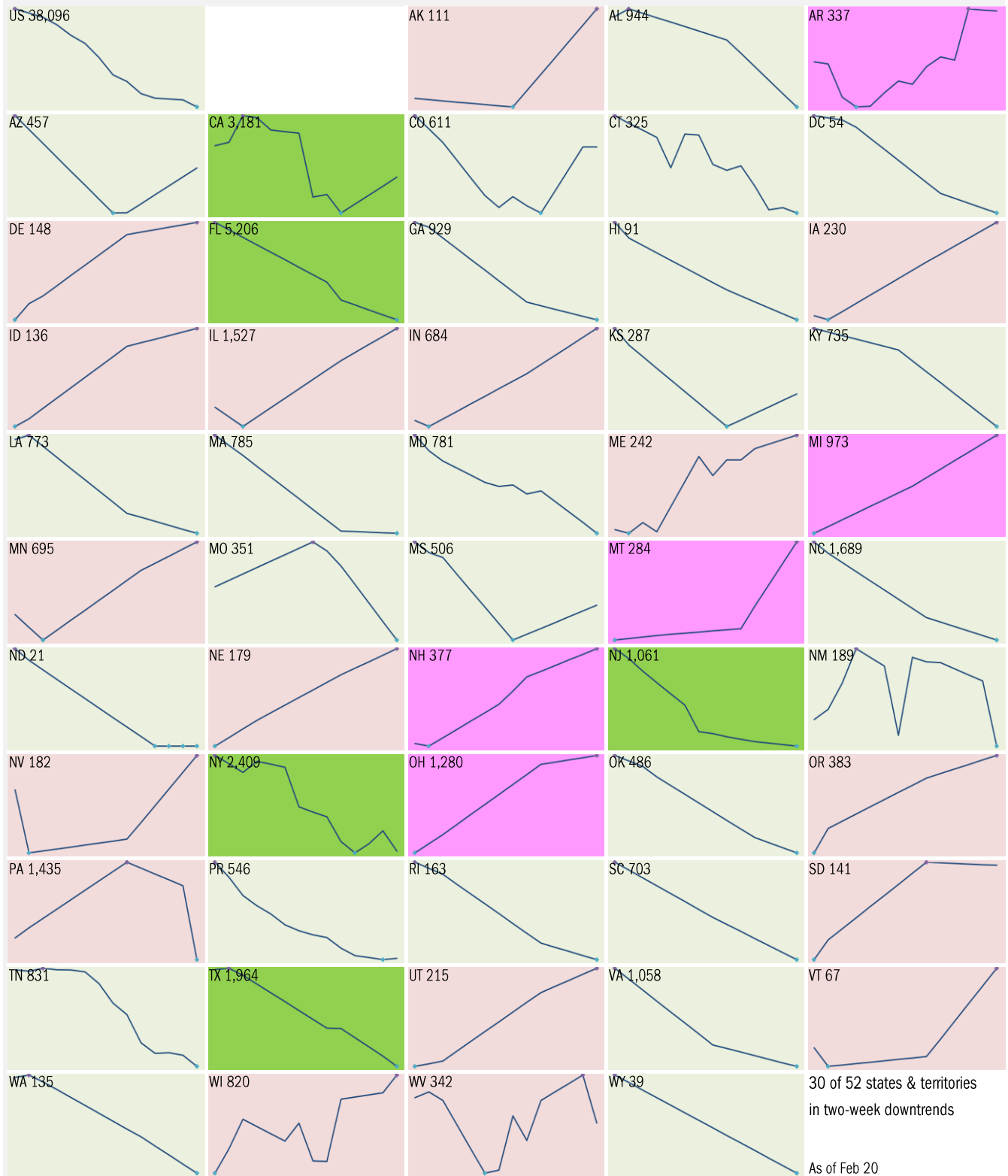


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day 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

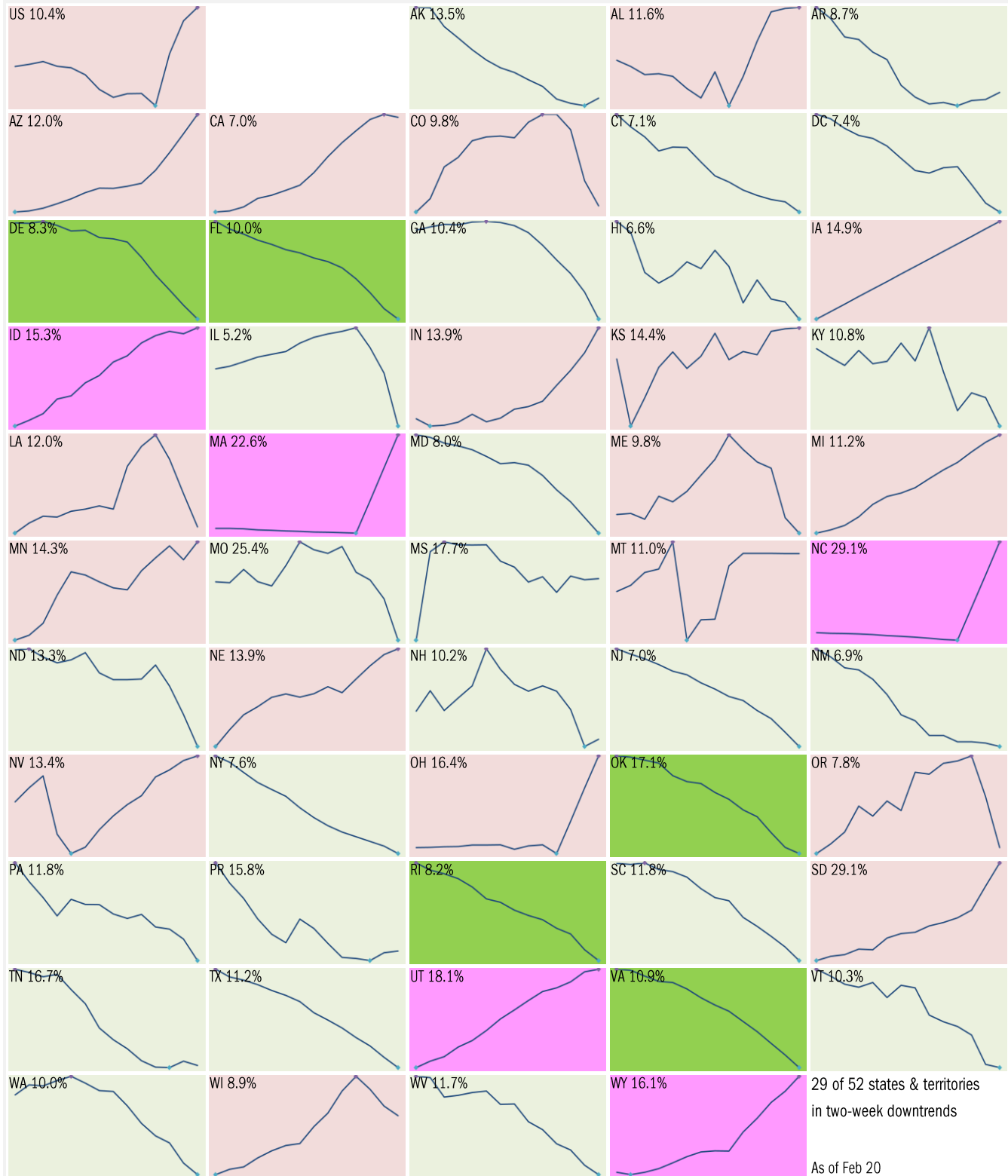


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

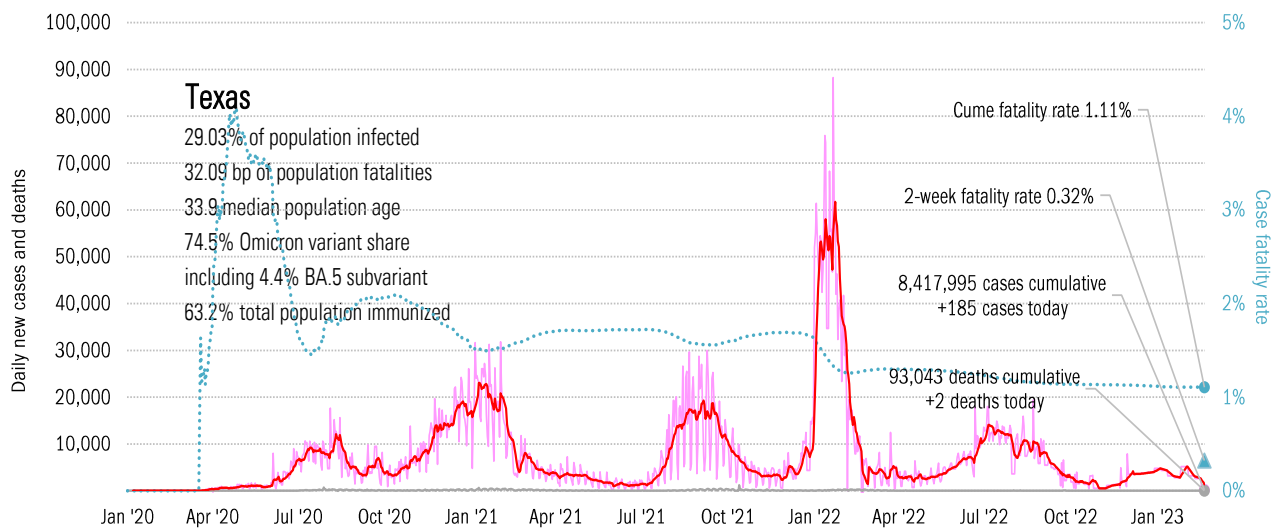
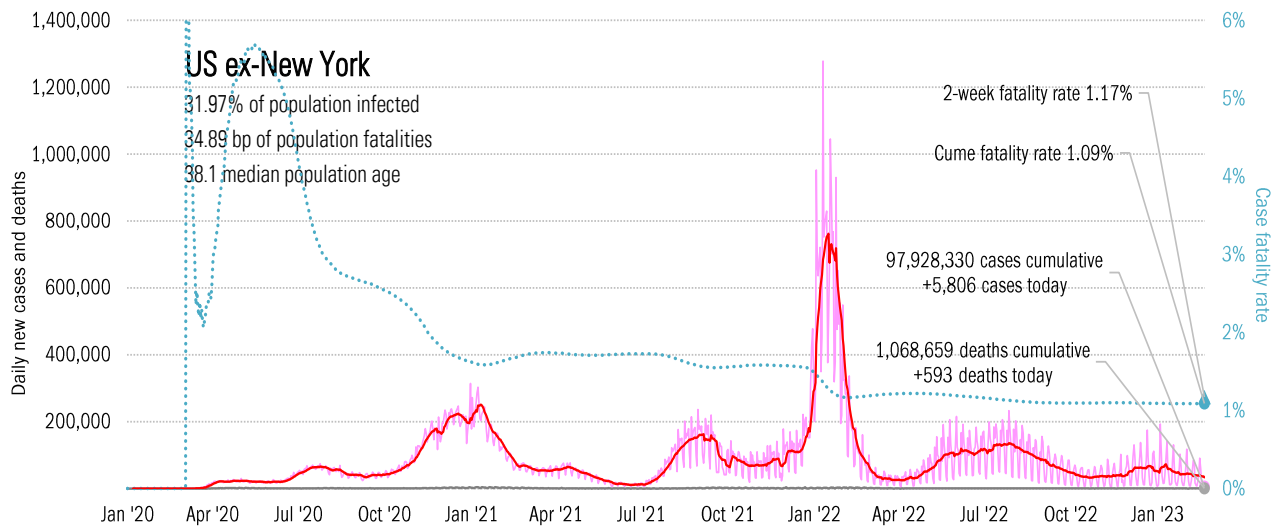
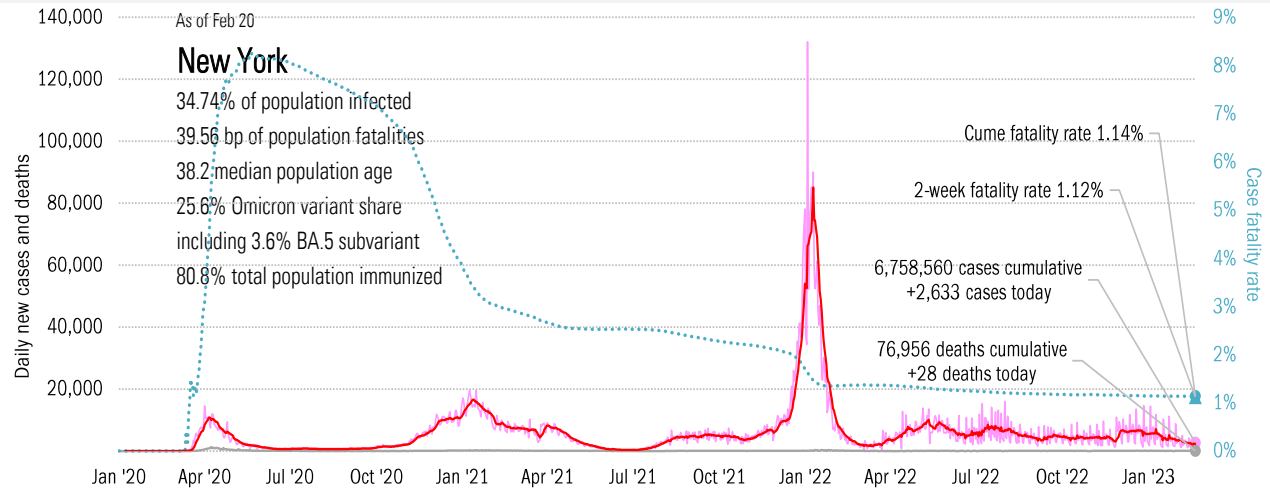
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](https://covidactnow.com), TrendMacro calculations

From Ground Zero to the Rio Grande

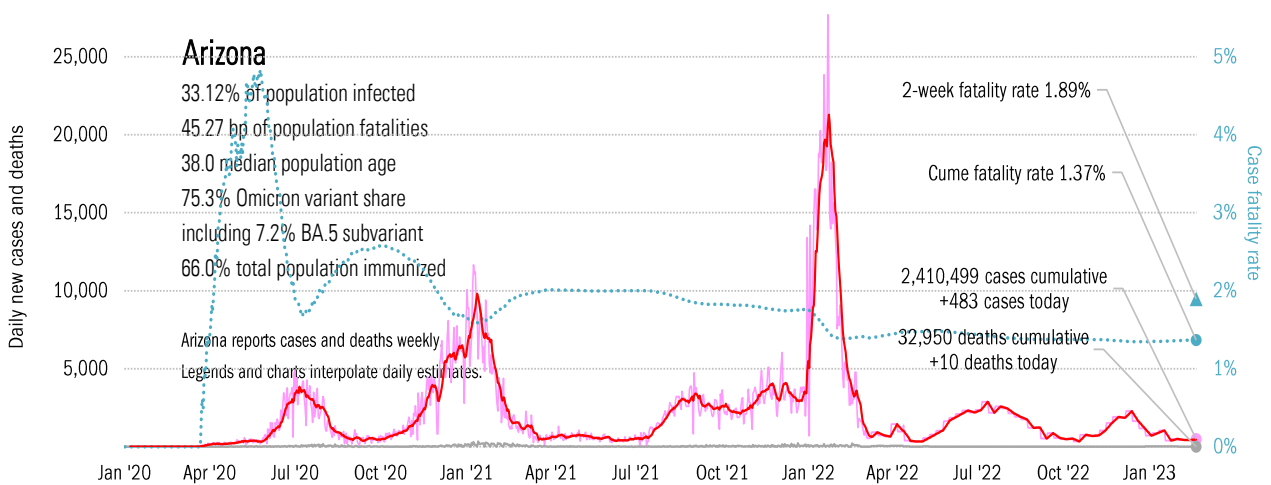
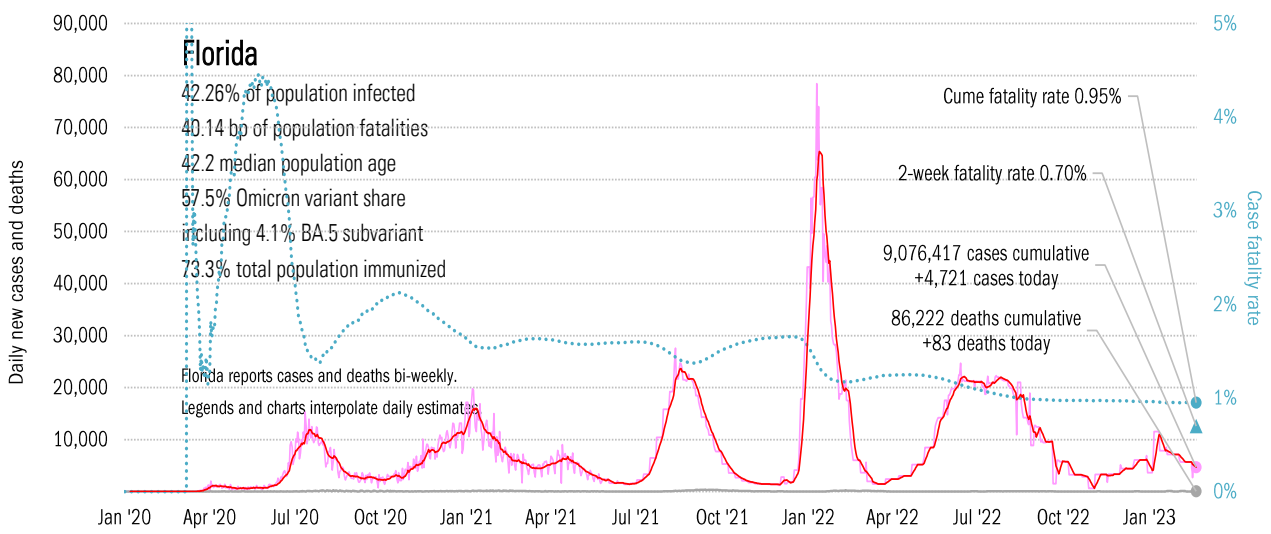
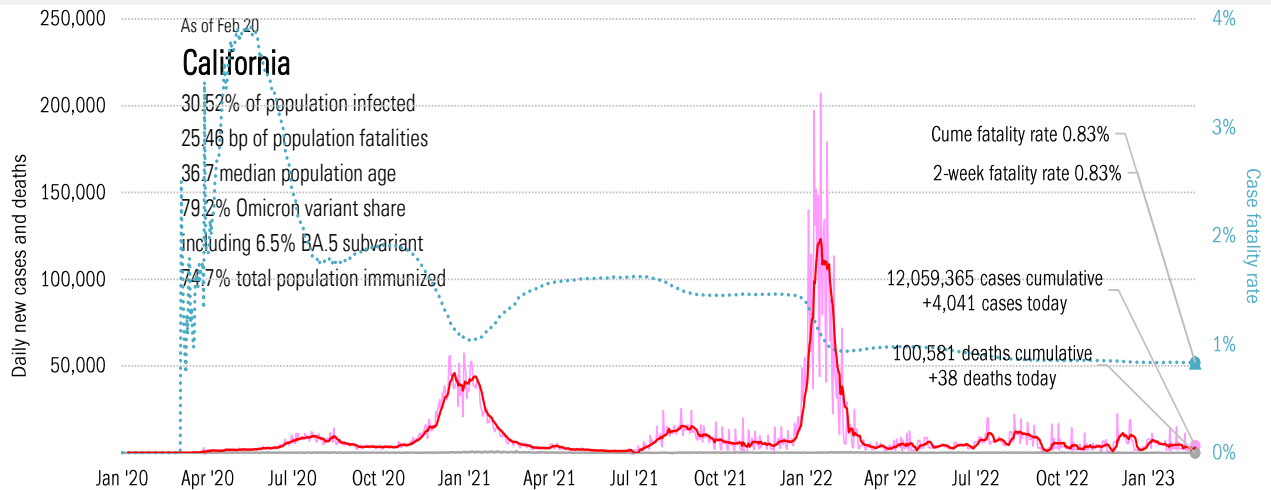
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

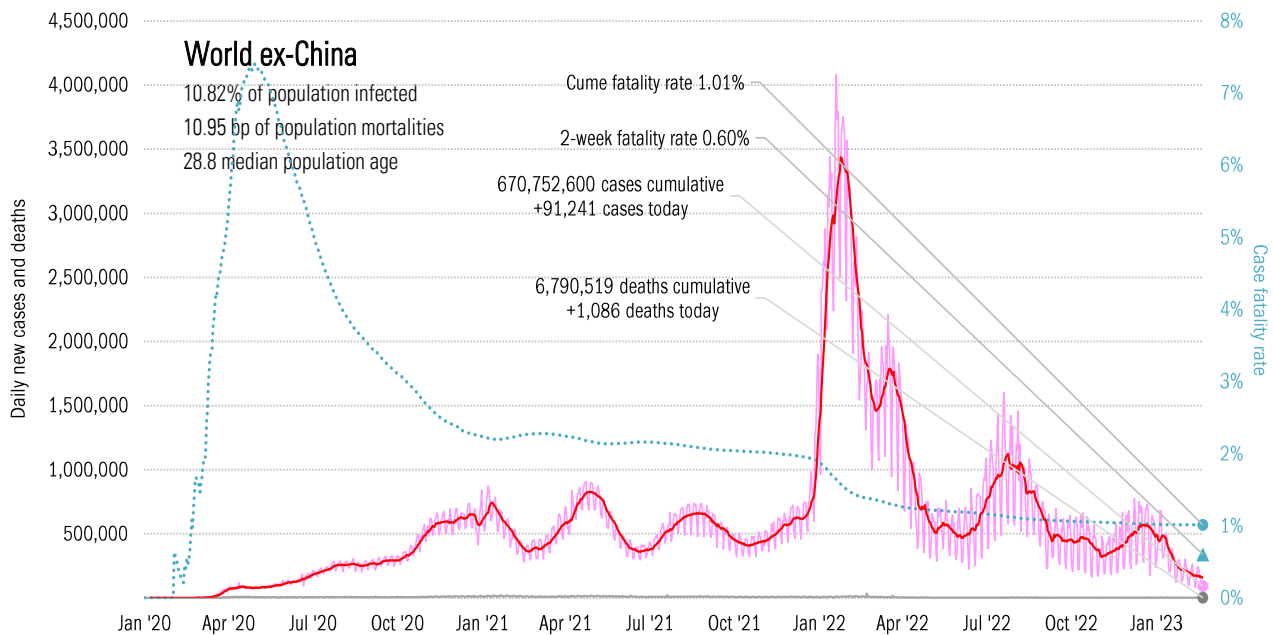
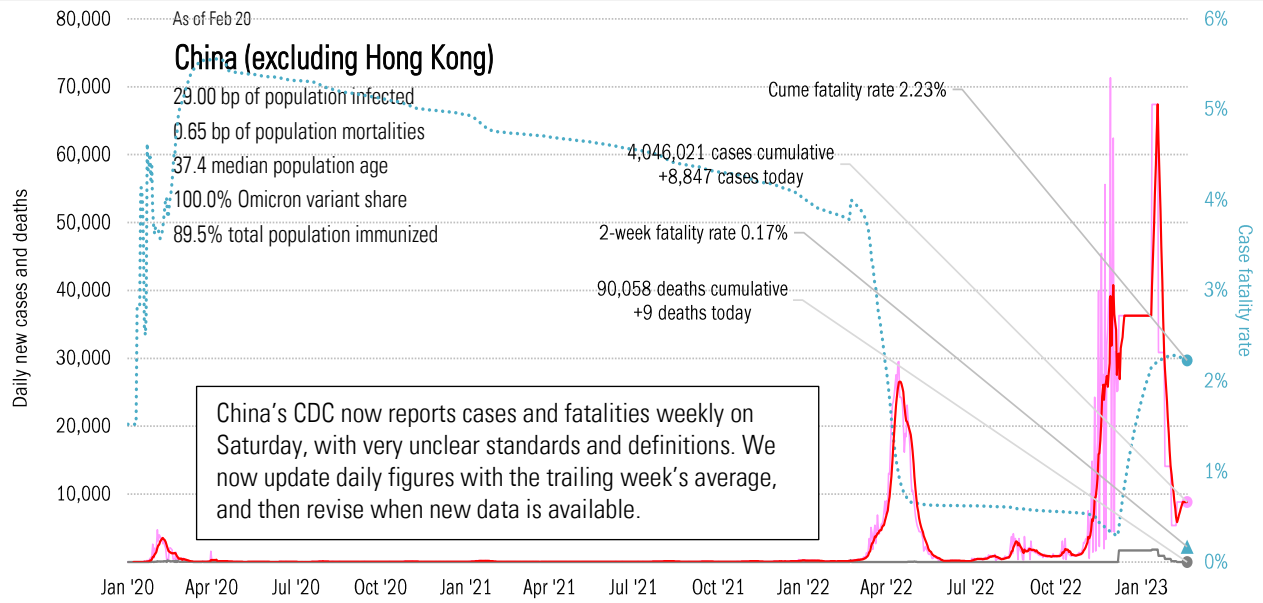
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

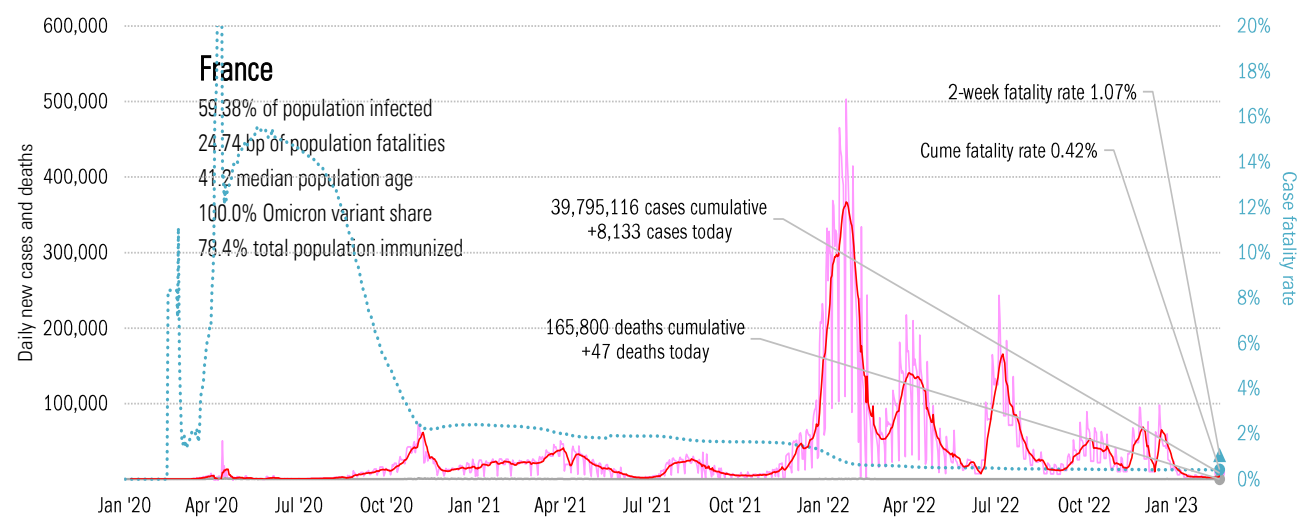
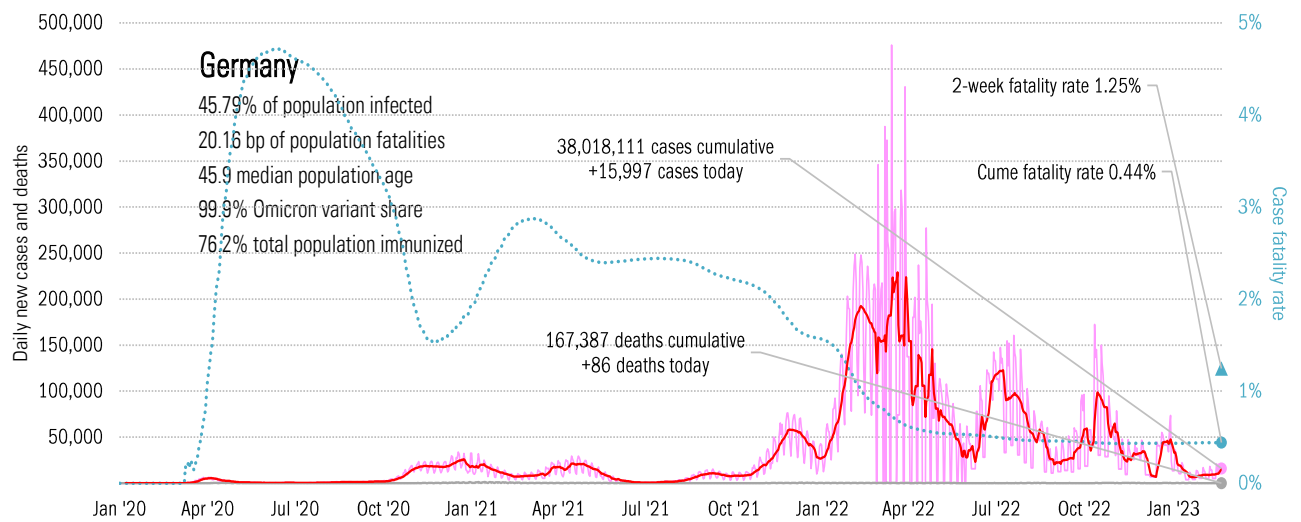
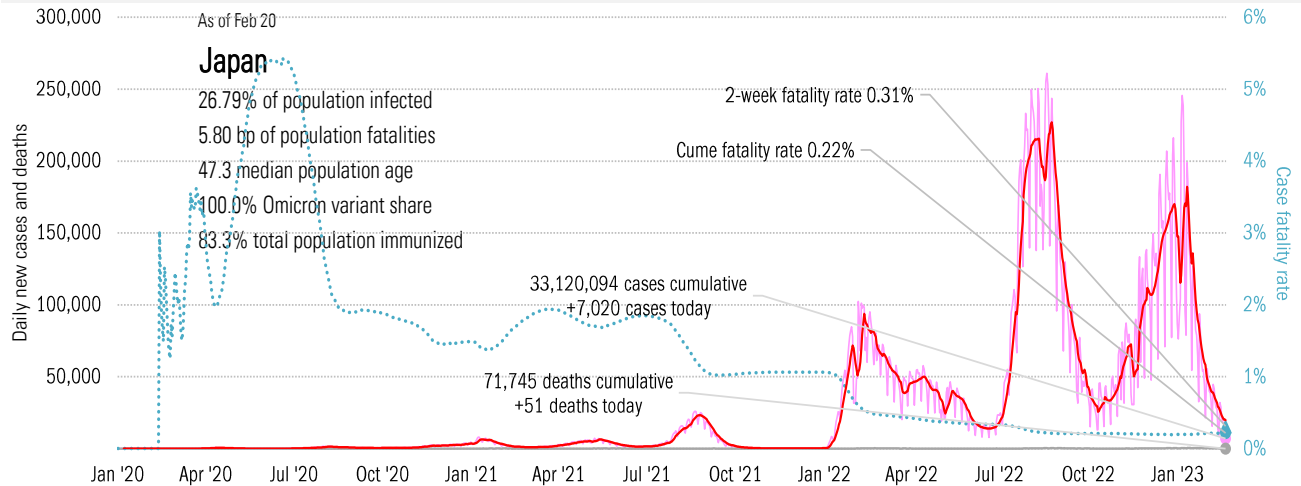
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

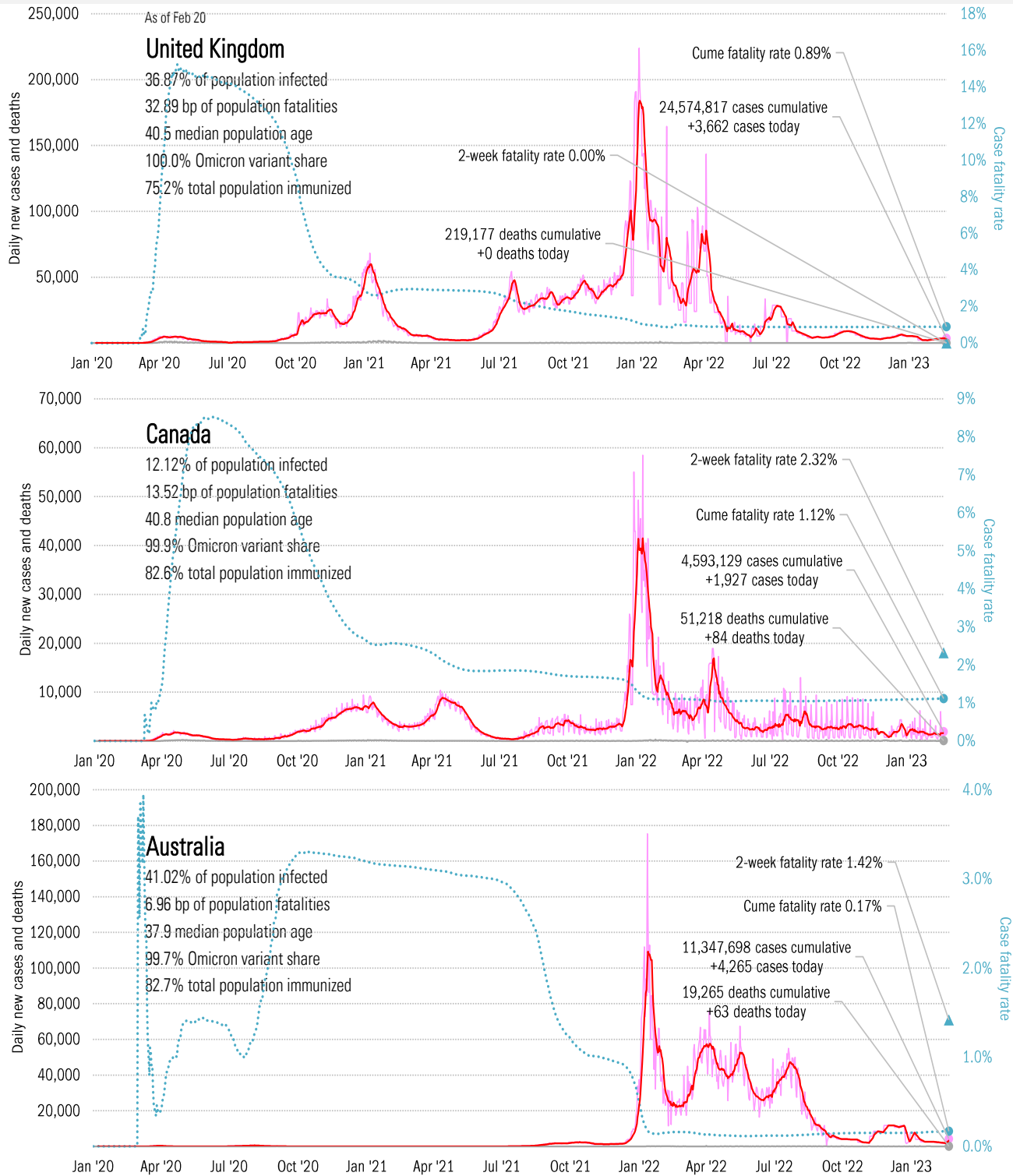
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

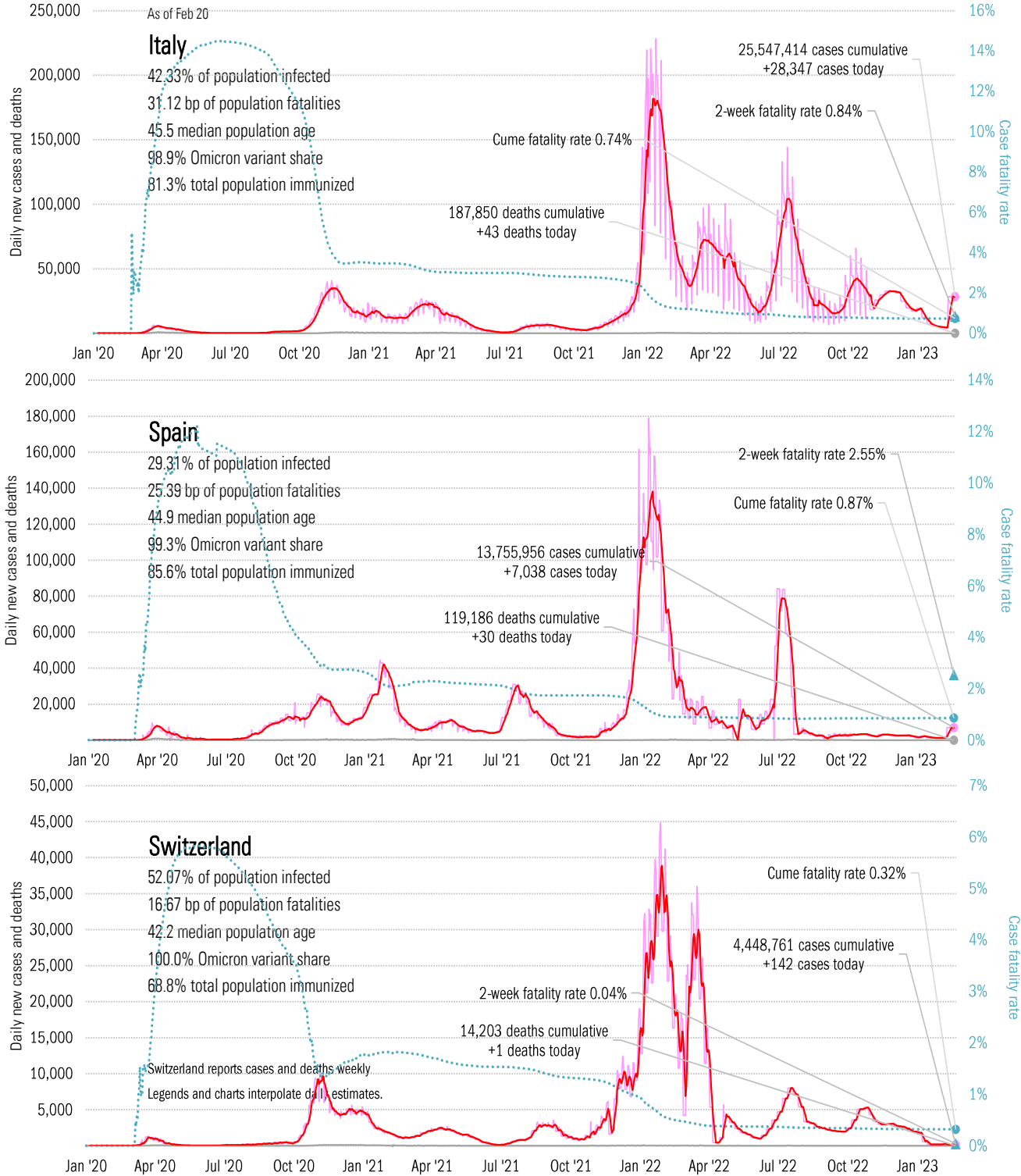
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

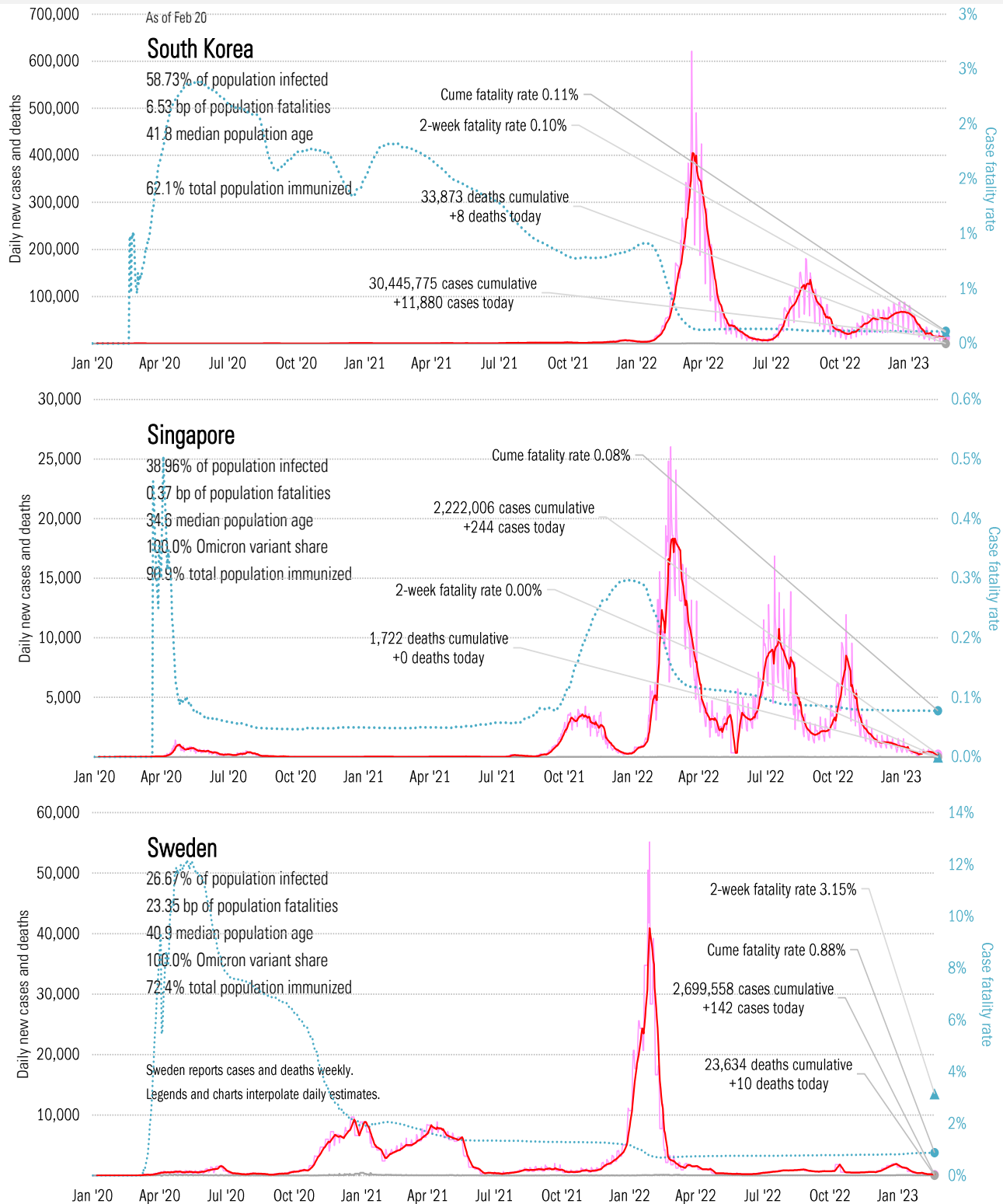
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

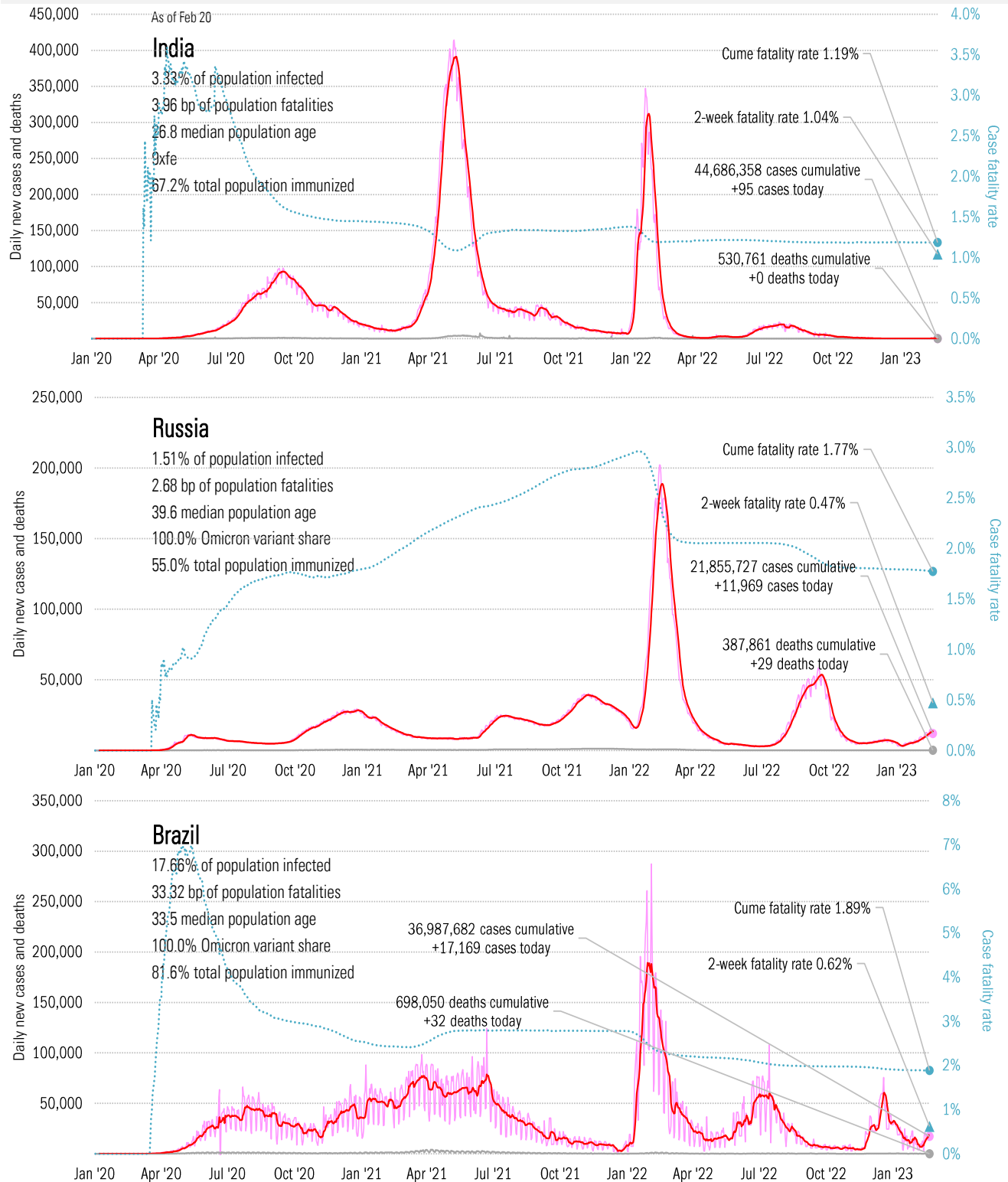
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

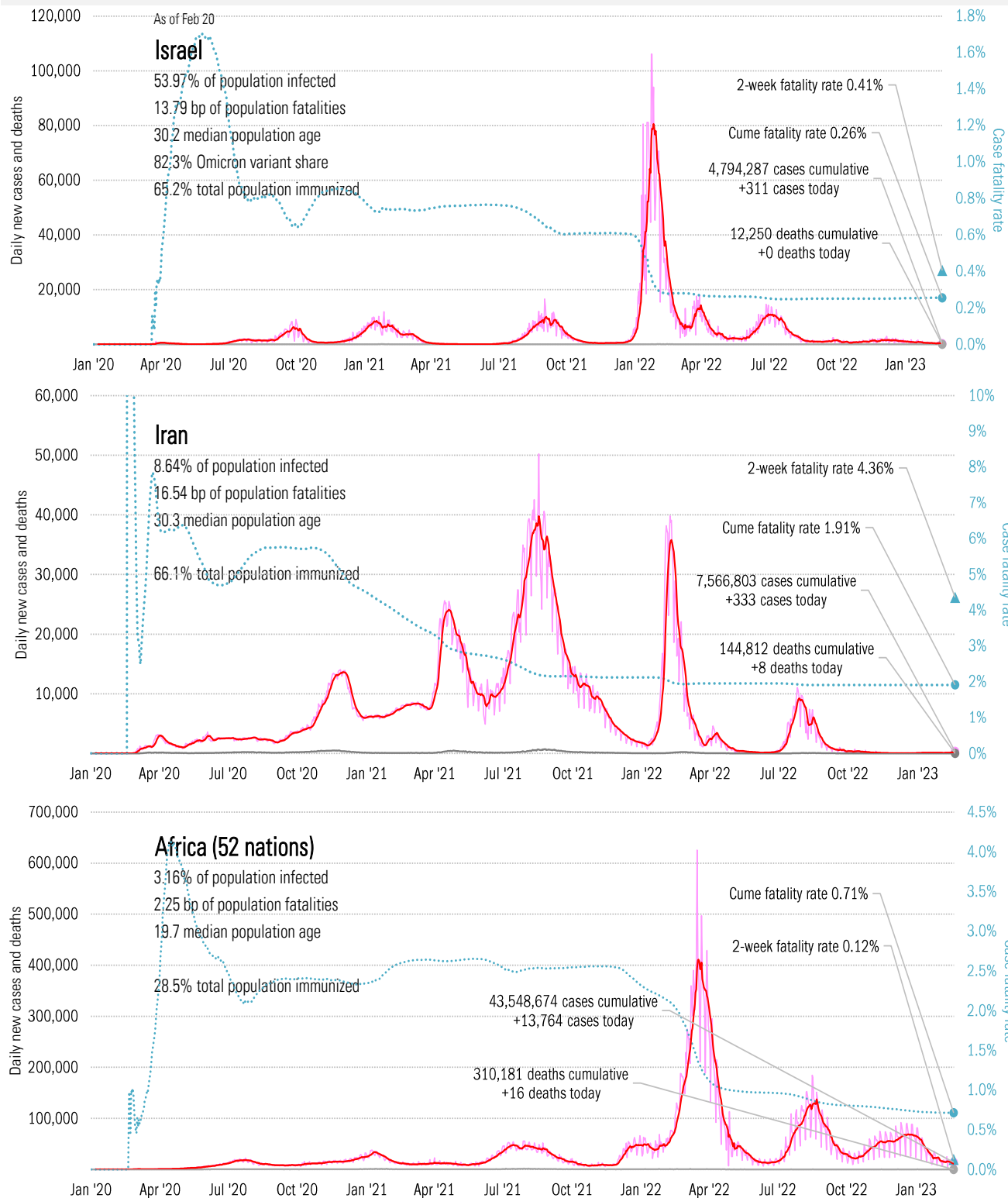
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

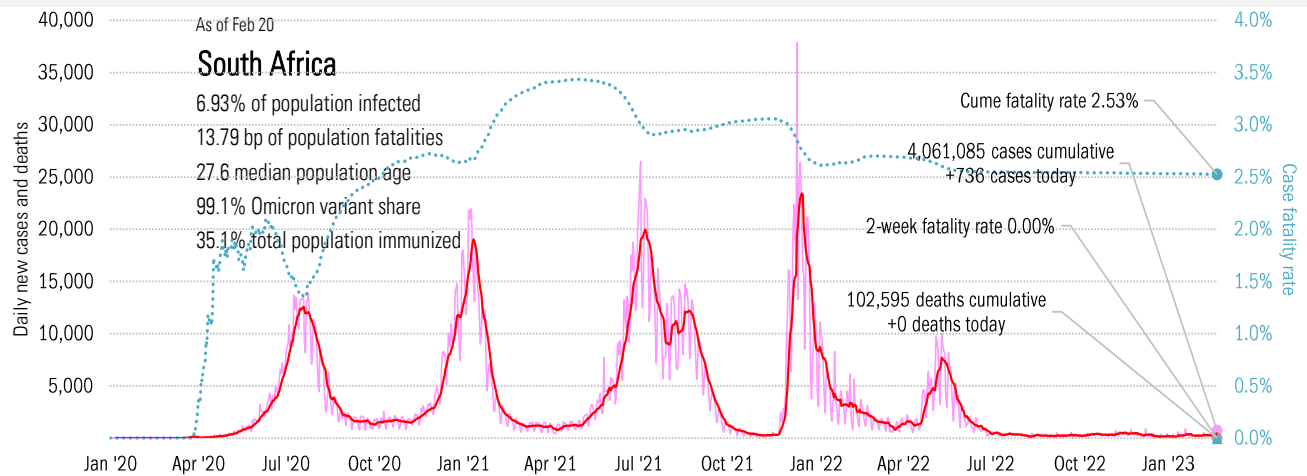
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), Trend Macro calculations