

Data Insights: Covid-2019 Monitor

Friday, January 27, 2023

The global scorecard

Cases: 7-day average and daily Deaths: Daily

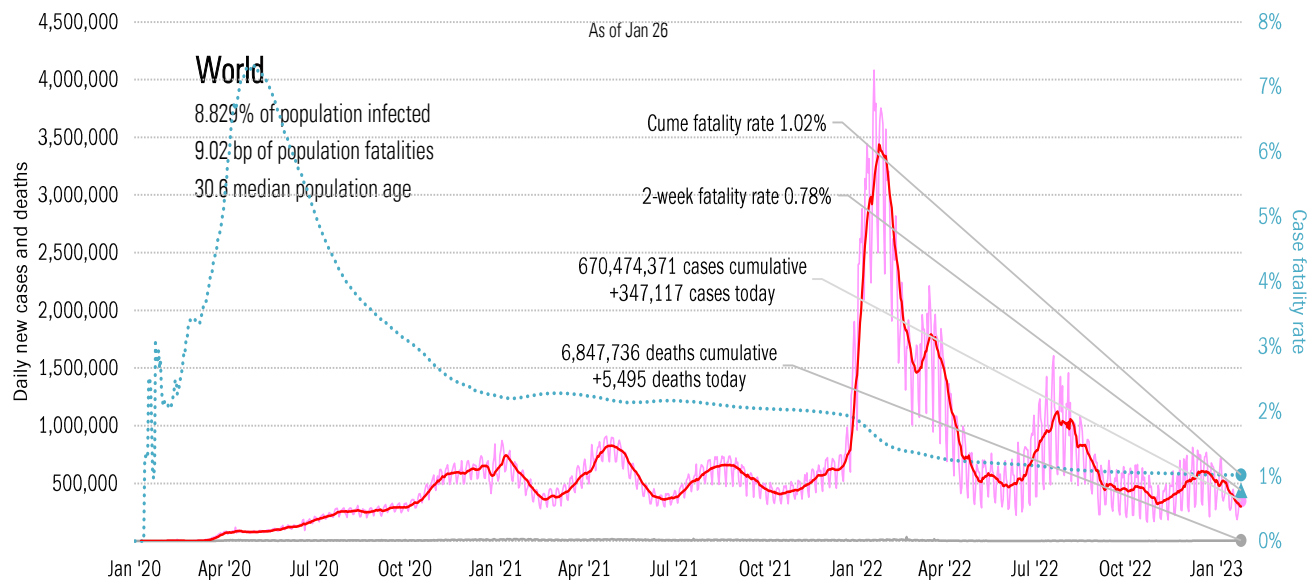
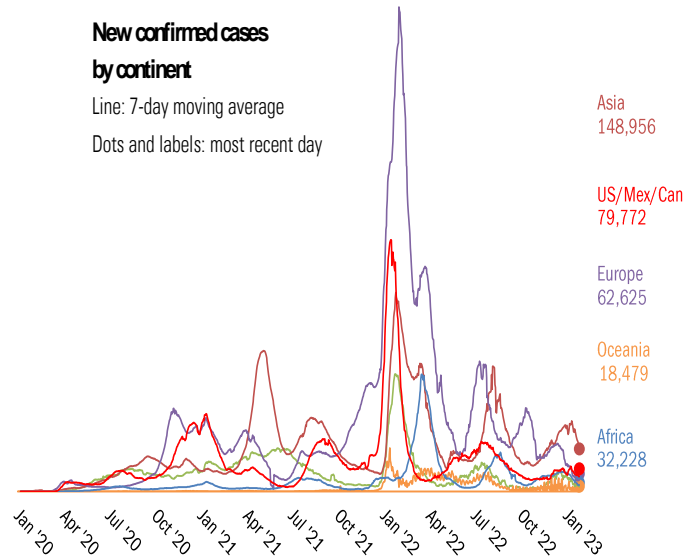
The worst ten countries (see China note page 14)

New cases		New Deaths	
China	67,391	China	1,808
Japan	59,885	United States	516
United States	49,634	Japan	410
Korea, South	31,711	Germany	175
Taiwan*	19,142	United Kingdom	144
Brazil	17,267	Canada	135
Germany	13,155	Brazil	118
Finland	8,790	Colombia	101
Italy	7,413	Australia	84
Russia	7,031	Finland	82
281418.78		3573.2857	
World	347,117	World	5,495
Top ten	81%	Top ten	65%

New confirmed cases
by continent

Line: 7-day moving average

Dots and labels: most recent day



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

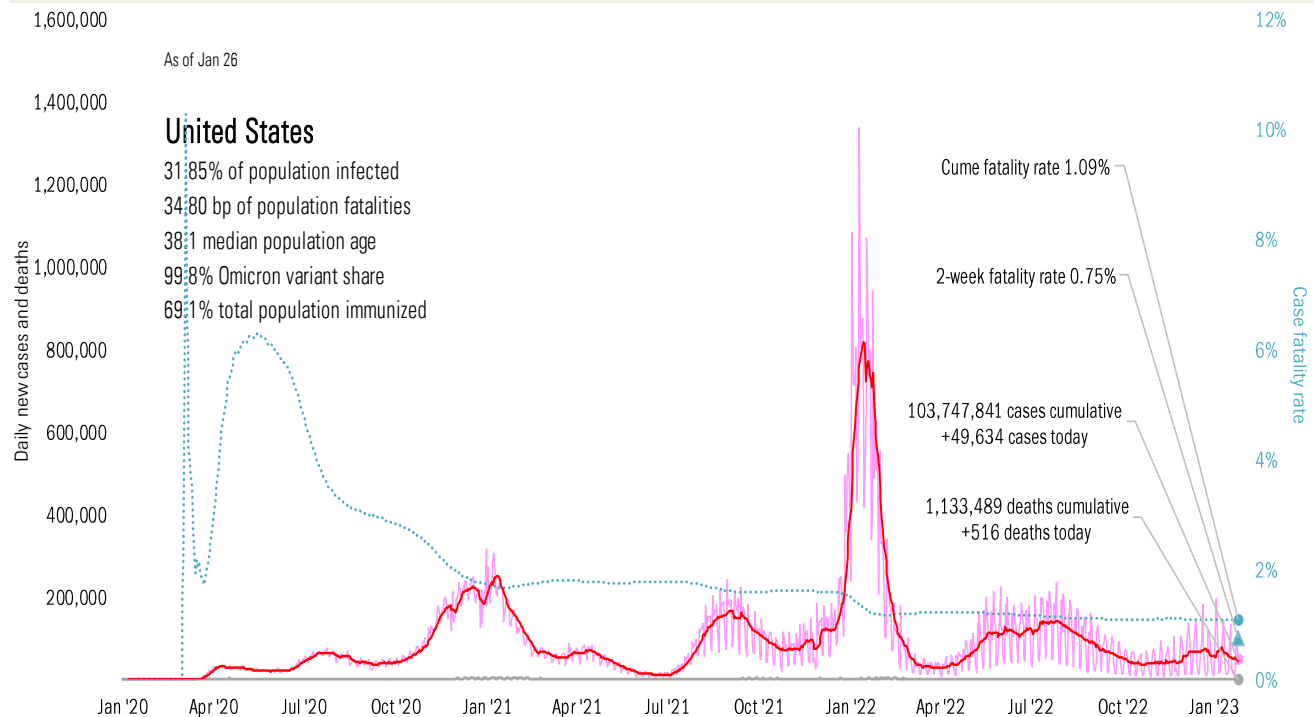
The ten worst US states

New cases	New deaths	New in hospital	Cume cases	Cume deaths	Cume in hospital	Hospital use	ICU use
FL 7,177	CA 192	TX 400	CA 11,978,785	CA 100,009	TX 580,234	RI 90%	TX 88%
CA 5,669	FL 46	AL 81	TX 8,351,893	TX 92,559	CA 555,758	DE 88%	NH 87%
NY 4,562	MI 37	OR 38	FL 7,443,954	FL 84,927	FL 525,029	MA 86%	AL 85%
TX 2,820	PA 34	MI 112	NY 6,697,789	NY 76,247	NY 346,551	DC 85%	NM 84%
NJ 2,489	NY 30	WI 78	IL 4,019,768	PA 49,633	CH 240,403	NH 85%	MA 84%
NC 2,054	CO 29	MN 56	PA 3,469,076	GA 41,915	GA 238,611	MN 83%	NC 84%
IL 1,561	MA 27	KY 52	NC 3,412,542	MI 41,445	PA 225,638	MO 83%	RI 84%
VA 1,516	AR 25	PA 187	CH 3,347,767	CH 41,355	IL 209,127	MD 82%	DC 83%
PA 1,431	SC 24	SD 11	GA 3,027,856	IL 41,088	MI 178,200	WV 82%	OK 82%
SC 1,411	WI 22	UT 24	MI 3,024,478	NJ 35,771	NJ 159,053	NC 82%	MS 81%
30,690	466	1,039	54,773,908	604,949	3,258,604		
All states 49,634	516	4,067	All states 103,747,841	1,133,489	5,908,061	All states 70%	67%
Top ten 62%	90%	26%	Top ten 54%	55%	55%	Median 77%	76%

Some states not reporting

Five most improved US states

Fewer daily cases	Fewer new deaths	Fewer new hospitalizations
TX -2,182	FL -61	NJ -56
WI -83	TX -19	CH -48
CT -68	NY -8	VA -48
NH -51	IA -4	CO -37
AK 0	MD -2	MA -35

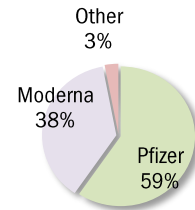


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	685,516,741		+0.147 million		US	69.1%	81.0%
			Of which boosters: +0.115 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	New immune today	France	78.4%
Total population	277,346,324	83%	236,447,801	71%	+0.017 million	Spain	85.6%
Age 12 to 17	18,446,236	73%	15,790,380	62%	+0.001 million	Germany	76.2%
Age 18 to 64	184,412,810	91%	156,755,065	77%	+0.009 million	Italy	81.3%
Age 65 and over	61,023,896	100%	53,463,192	98%	+0.003 million	Australia	82.7%
						Israel	65.2%
						Canada	82.6%
						Japan	83.3%
						Africa	28.2%
						India	67.1%
						Brazil	81.5%
						China	89.5%



AK
72.9%
65.1%

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

*Immunity = two doses

Best
Middle
Worst

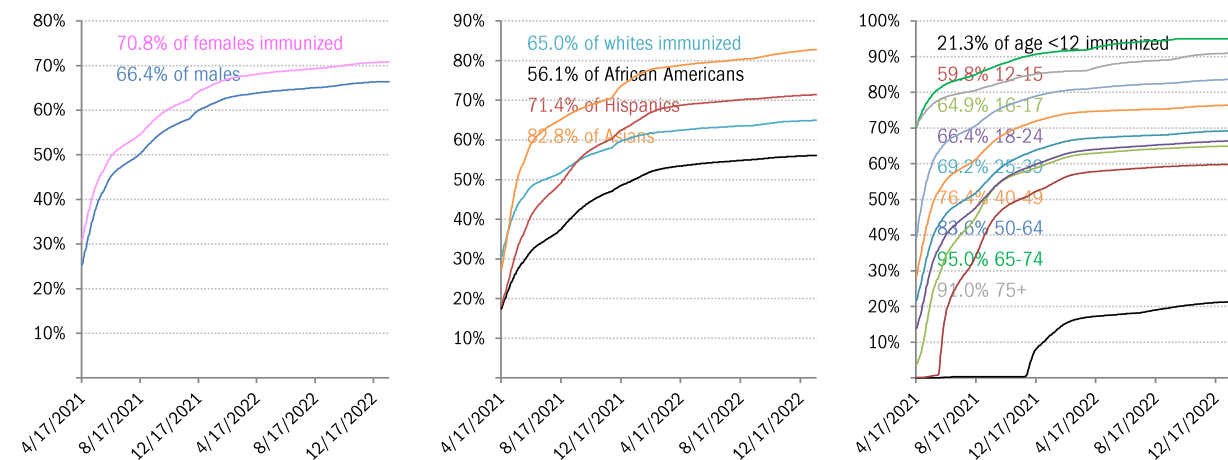
WI
75.0%
68.1%

As of Jan 27

ME
95.0%
83.2%

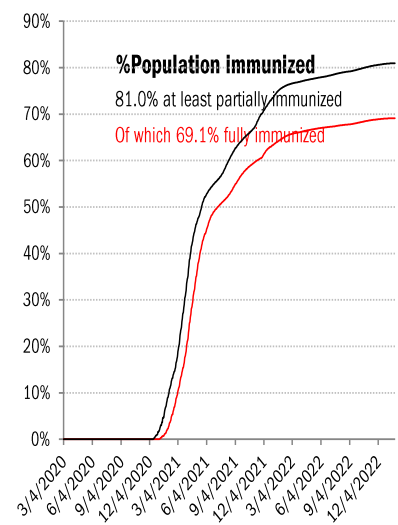
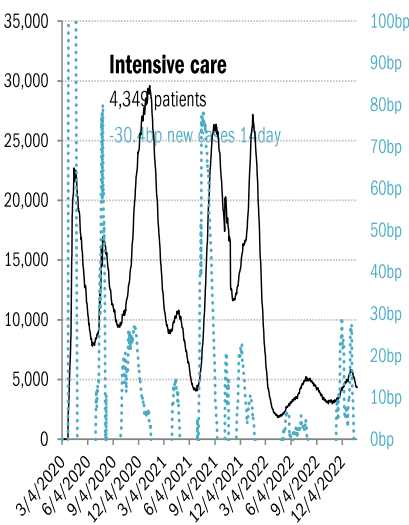
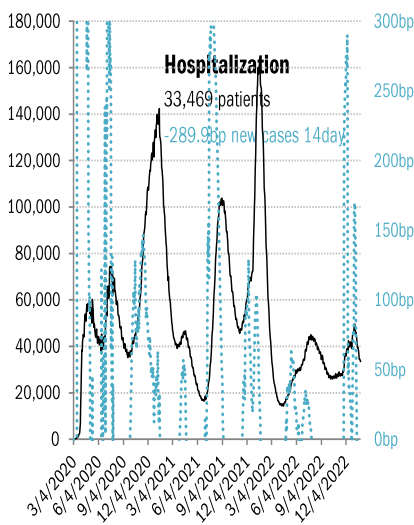
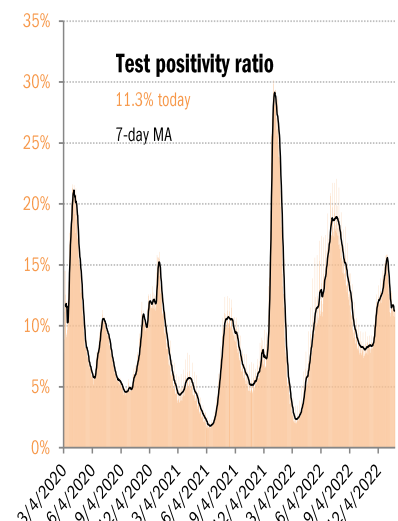
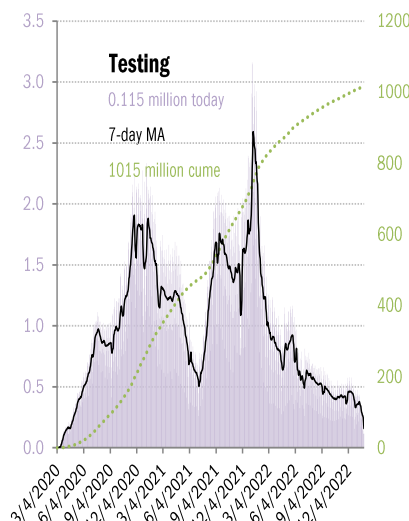
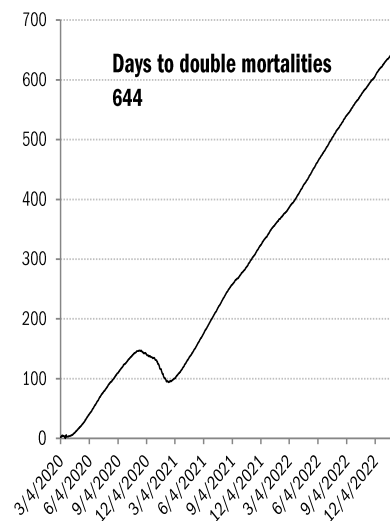
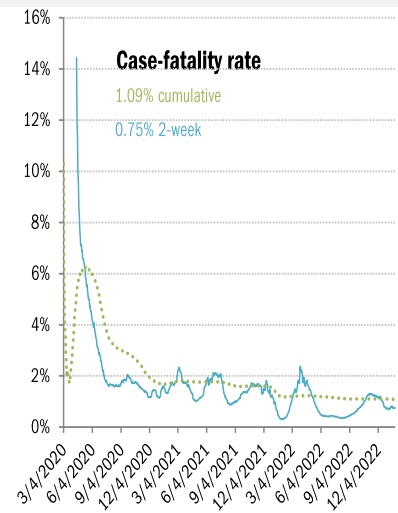
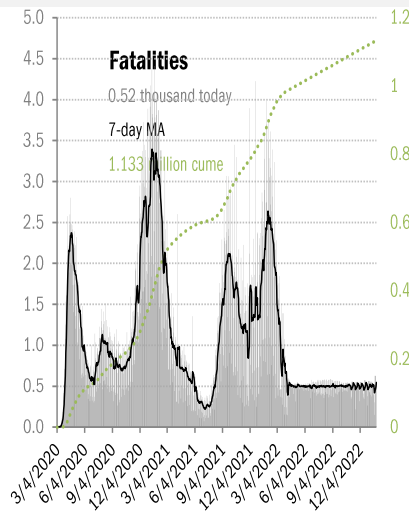
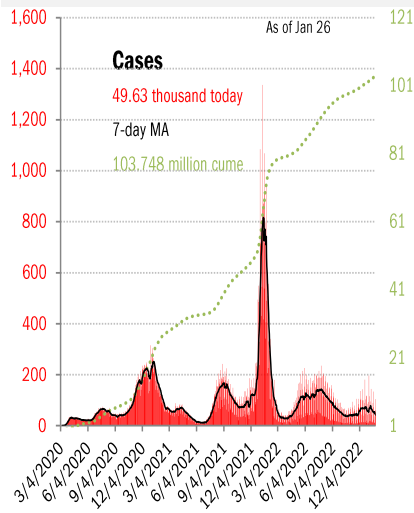
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH
85.1%	63.8%	68.2%	69.3%	78.7%	79.0%	69.4%	94.3%	95.0%	88.0%
75.9%	56.4%	59.1%	58.6%	72.0%	71.1%	62.3%	80.7%	85.5%	71.8%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA
81.5%	77.5%	60.8%	83.7%	70.6%	64.3%	65.7%	90.4%	94.5%	95.0%
72.3%	63.6%	53.0%	66.2%	64.3%	57.7%	60.4%	73.2%	79.0%	84.1%
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT
84.6%	75.1%	83.5%	73.3%	69.2%	68.8%	67.4%	90.9%	91.6%	95.0%
74.6%	66.6%	73.4%	66.2%	59.0%	59.6%	59.6%	76.5%	79.6%	82.9%
AZ	NM	KS	AR	TN	NC	SC	DC	DE	
77.4%	94.2%	76.1%	69.8%	64.4%	92.0%	70.9%	95.0%	88.1%	
65.9%	75.1%	65.2%	56.8%	56.2%	67.0%	59.8%	90.2%	73.2%	
OK	LA	MS	AL	GA					
74.5%	62.7%	61.6%	64.9%	68.3%					
60.4%	55.0%	53.6%	53.1%	57.2%					
TX									
76.3%									
63.2%									
HI							FL		PR
91.3%							82.4%		90.8%
81.4%							69.3%		83.9%

The demographics of US vaccination

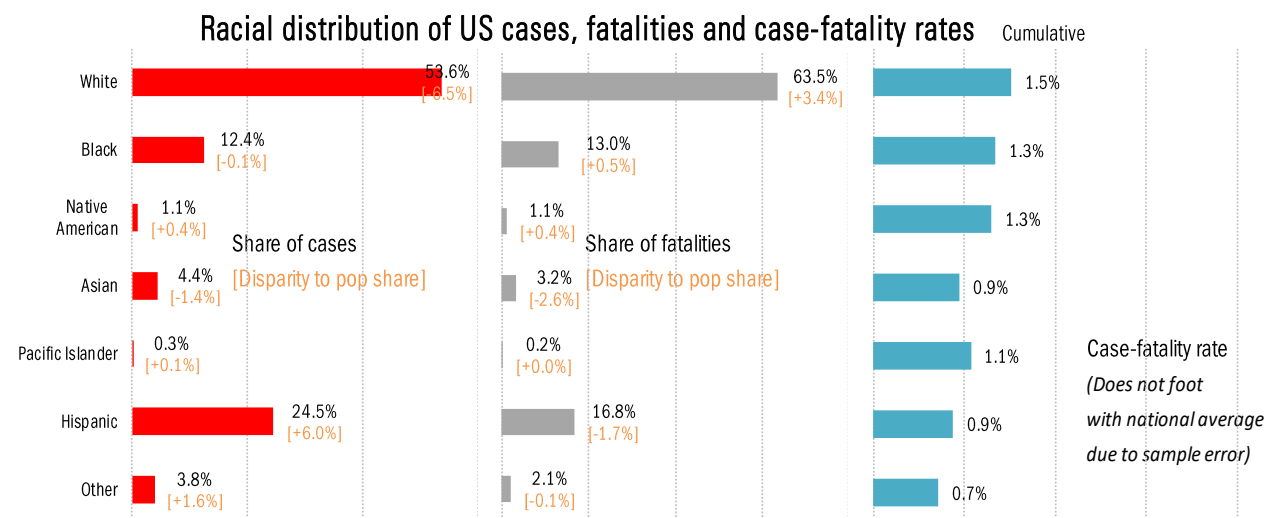
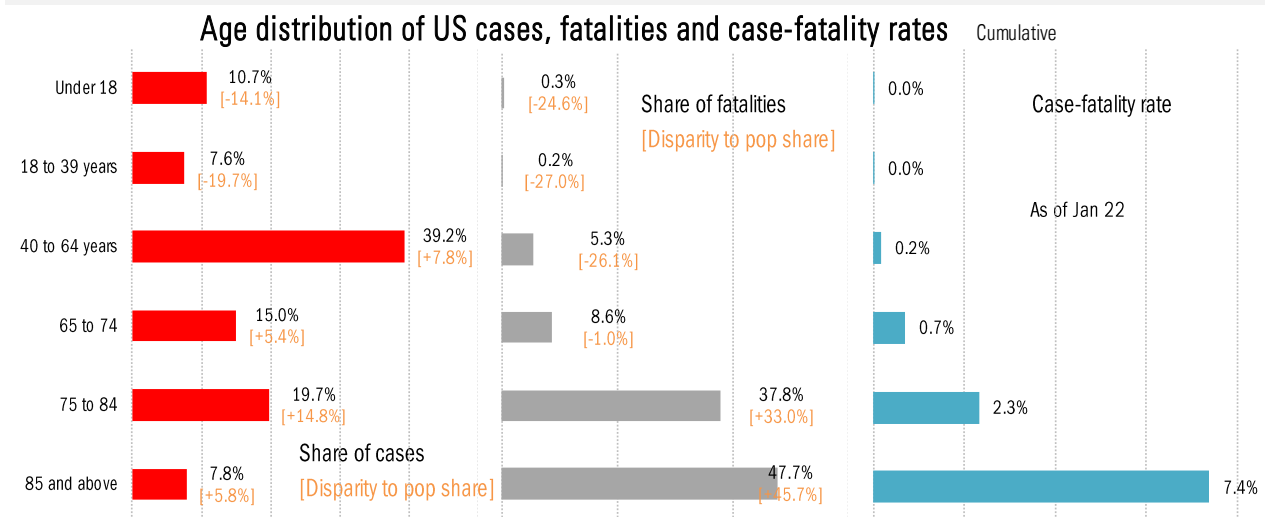


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

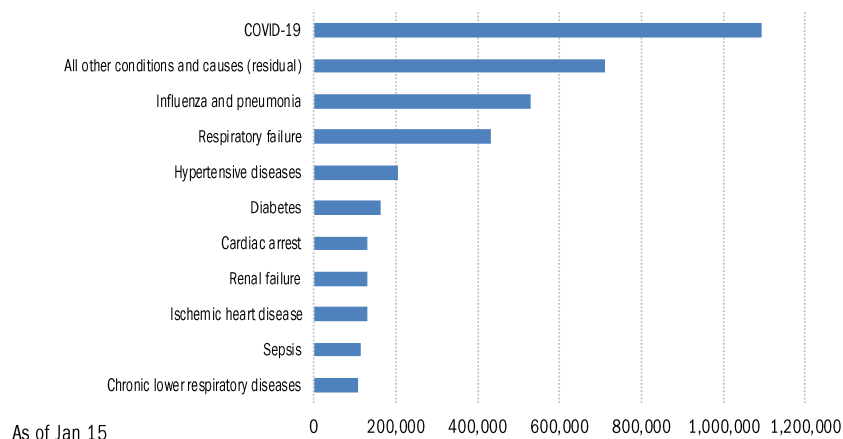


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

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

[Asteroid 2023](#)

[BU about to pass Earth in one of closest ever encounters](#)

The Guardian

January 25, 2023

[The Vicious Circle of Covid Boondoggles and Bad Data](#)

Leslie Bienen and Margery Smelkinson

Wall Street Journal

January 26, 2023

[In China's Crackdown on Protesters, a Familiar Effort to Blame Foreign Powers](#)

Vivian Wang and Zixu Wang

New York Times

January 26, 2023

[FDA pulls Evusheld authorization as coronavirus evolution quashes another therapy](#)

Andrew Joseph

Stat News

January 26, 2023

[Adverse Events Following the BNT162b2 mRNA COVID-19 Vaccine \(Pfizer-BioNtech\) in Aotearoa New Zealand](#)

Muireann Walton et al.

The Lancet Preprints

January 20, 2023

[URGENT: A big New Zealand study reveals high rates of kidney injury after the Pfizer jab](#)

Alex Berenson

Unreported Truths

January 26, 2023

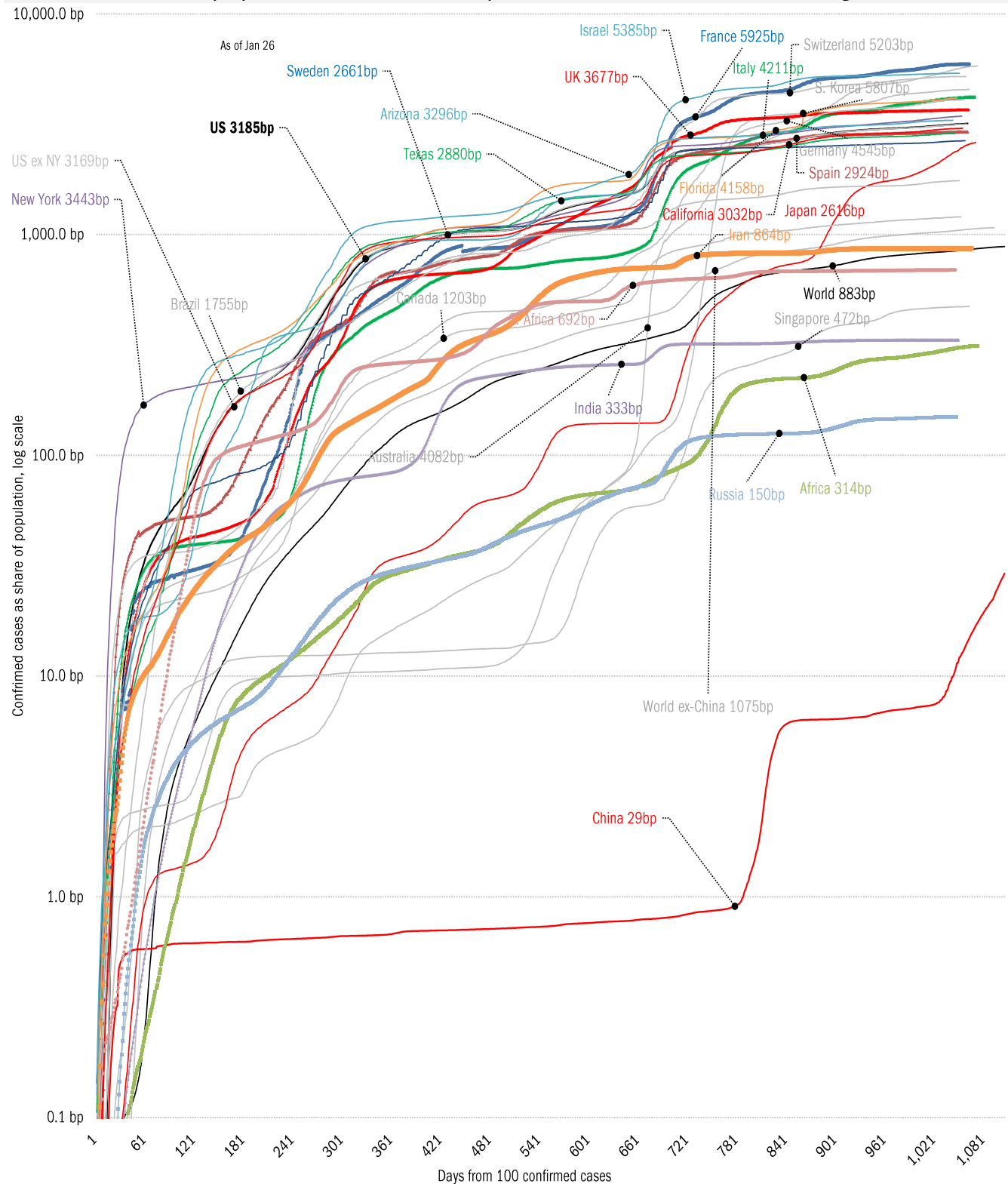
Meme of the Day



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

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

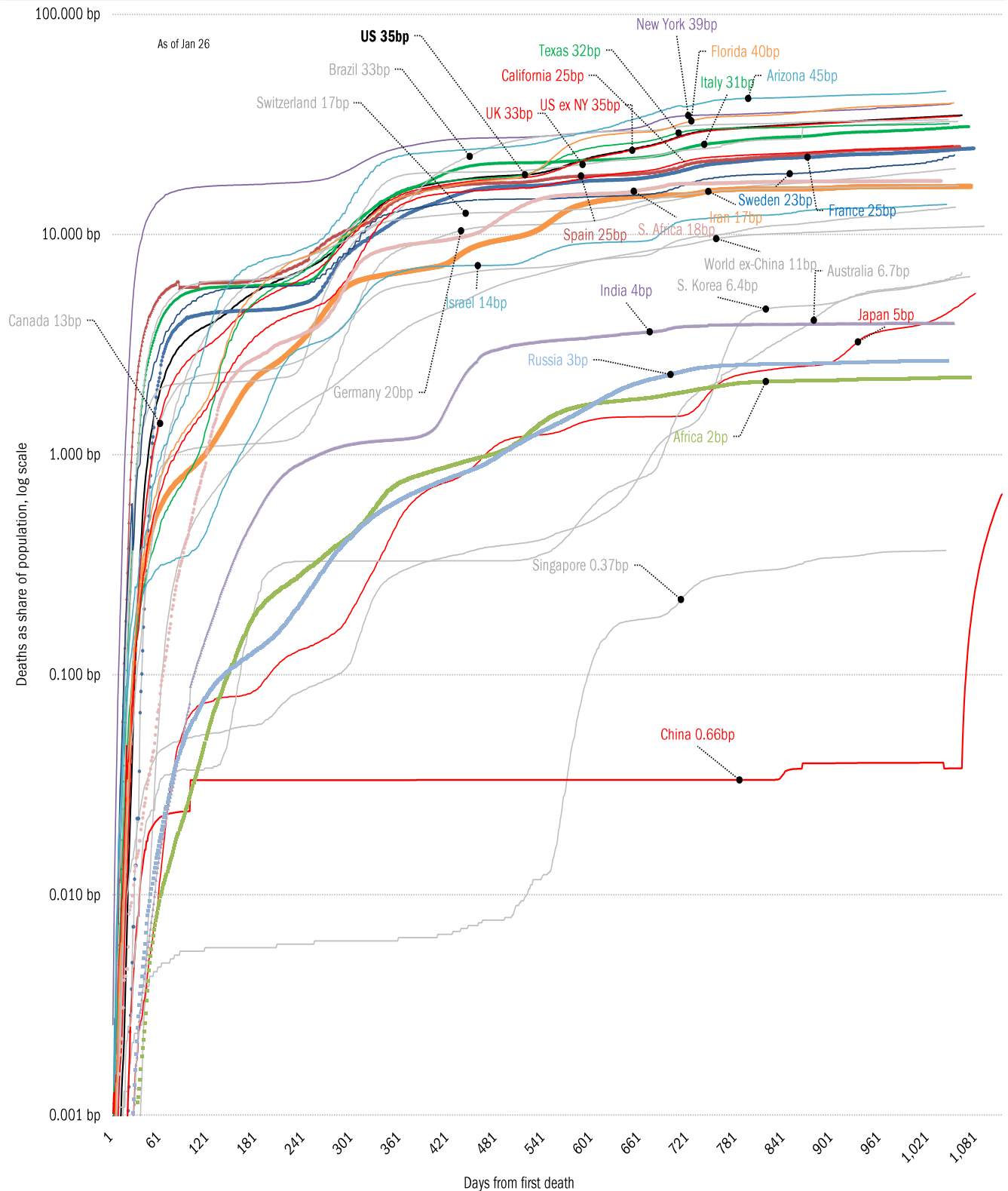
Share of infected population from first day with 100 confirmed cases, log scale



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

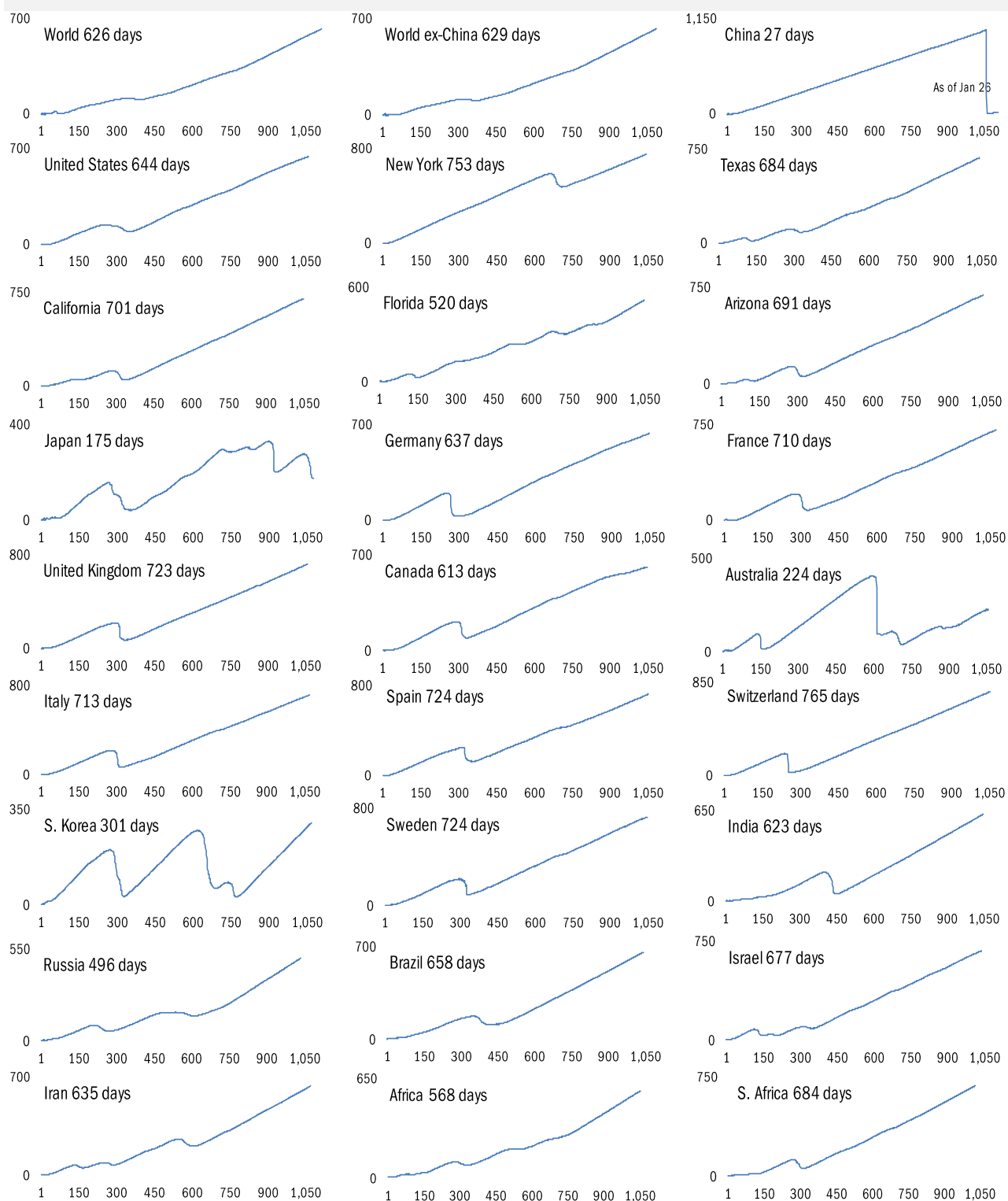


Source: [Johns Hopkins](#), TrendMacro calculations

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

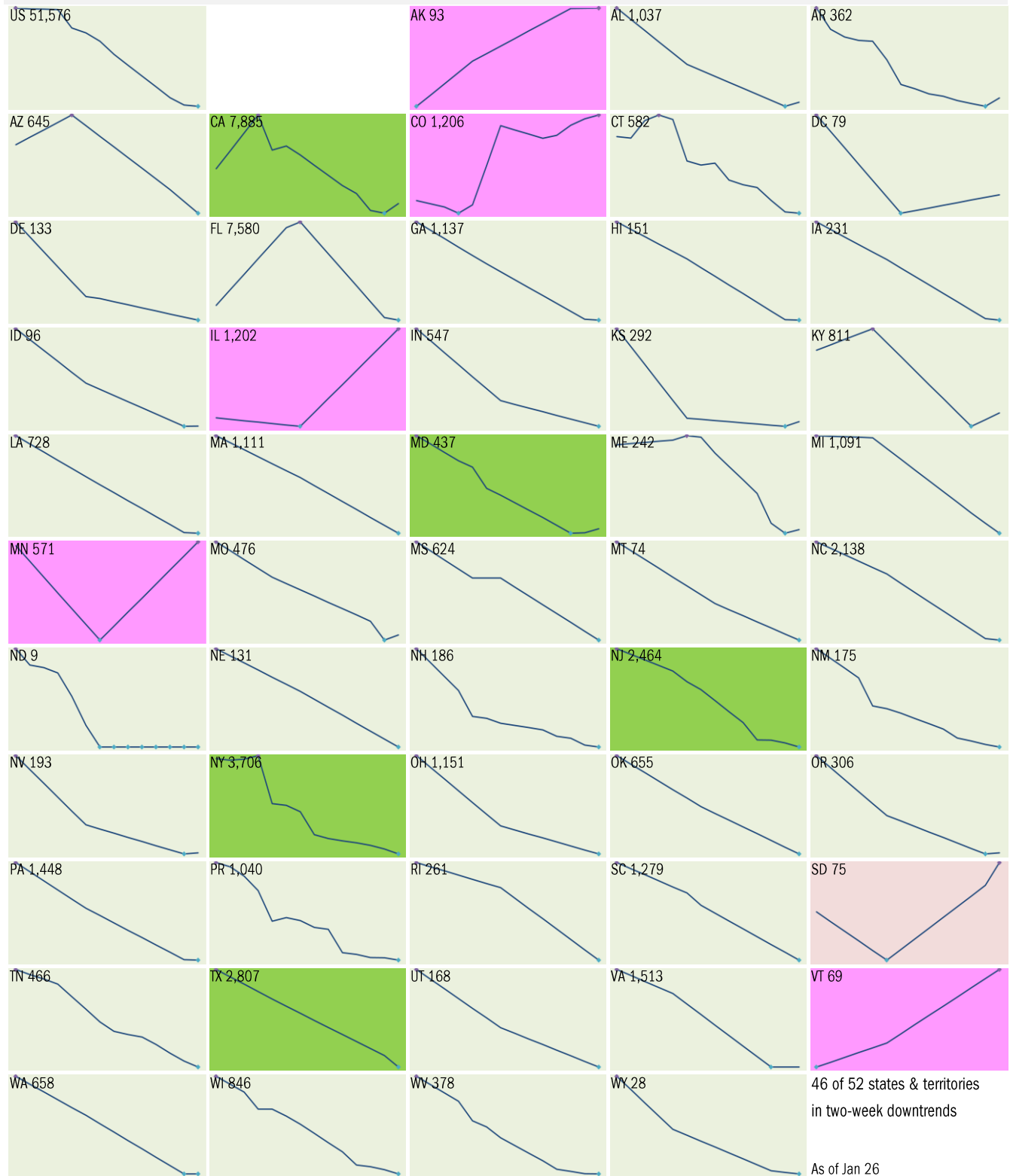


Source: [Johns Hopkins](#), TrendMacro calculations

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

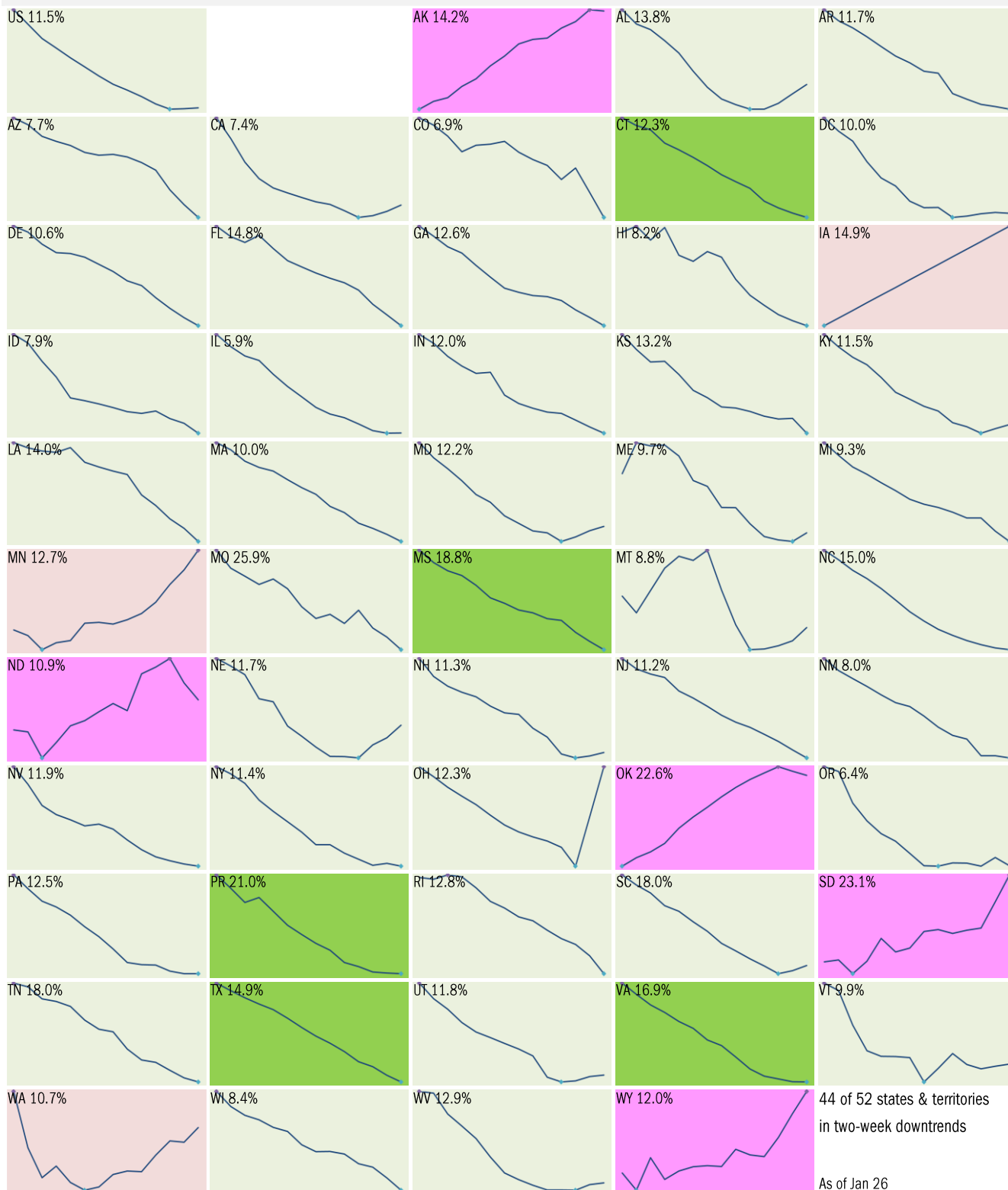


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

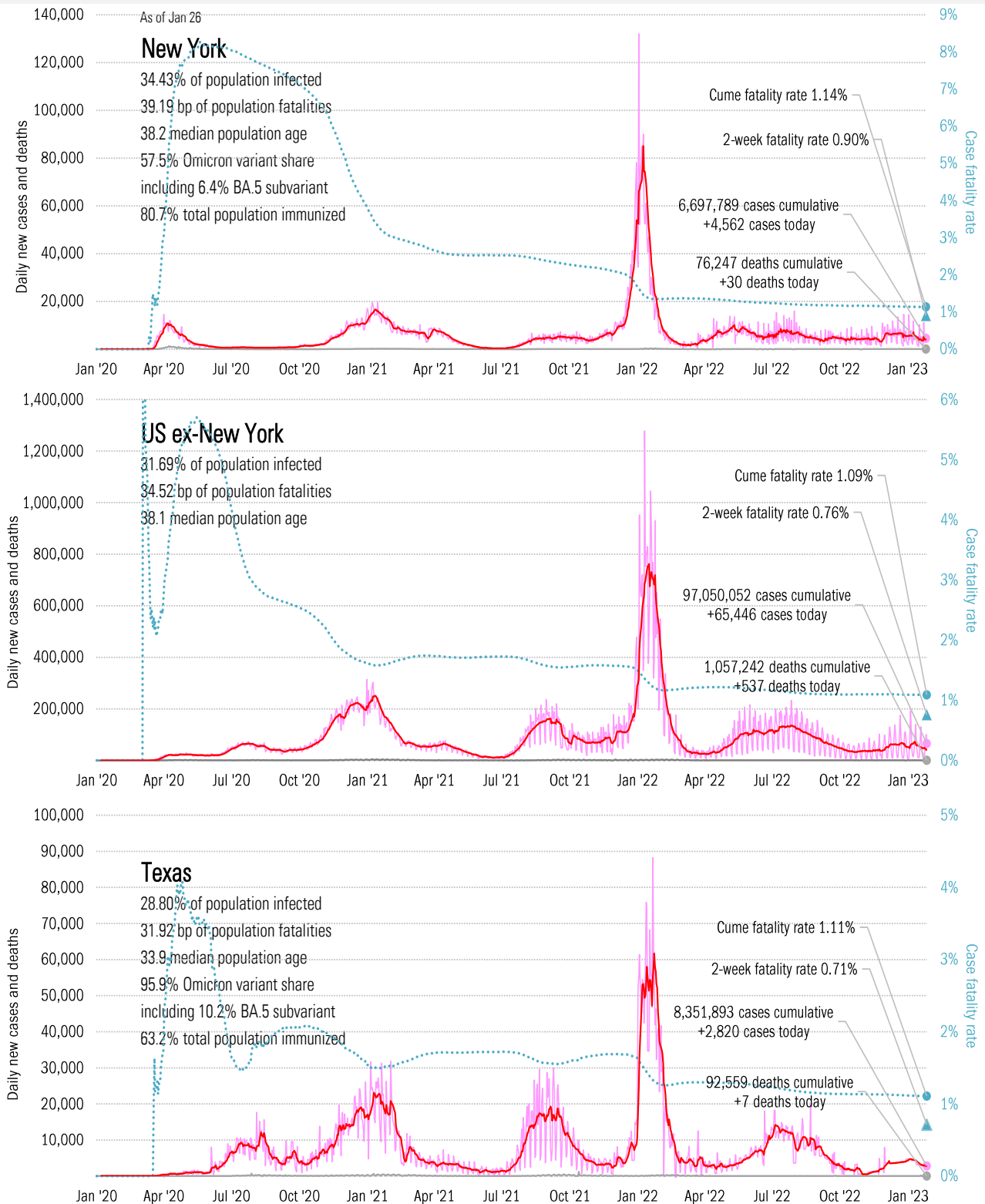
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

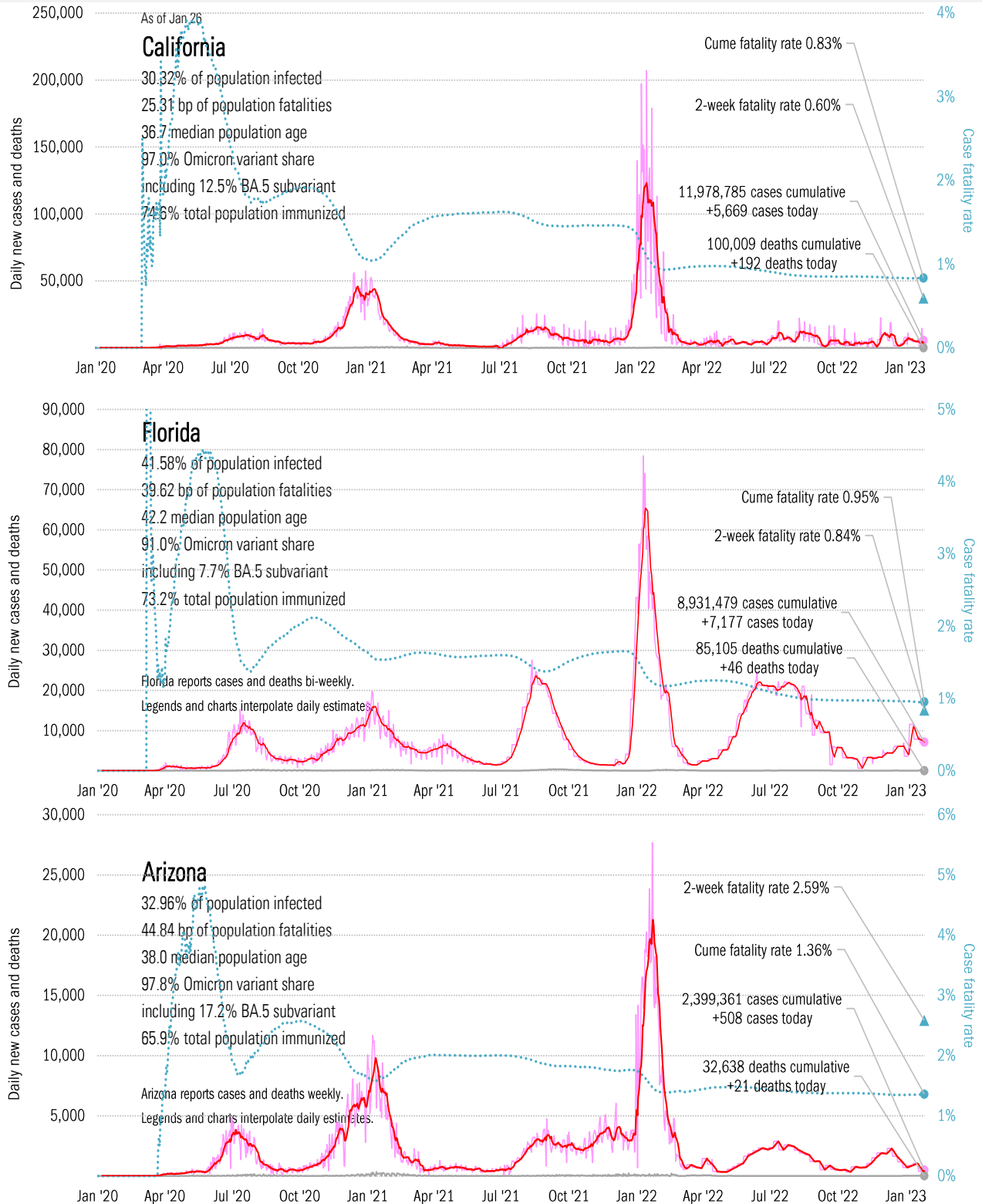
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

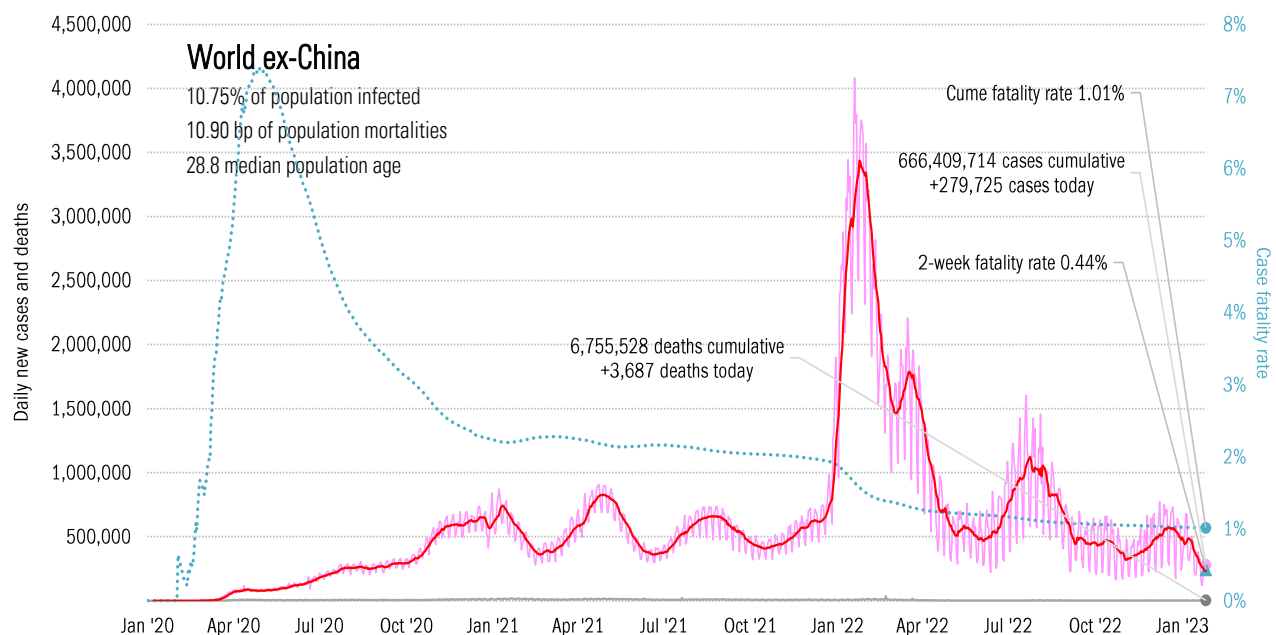
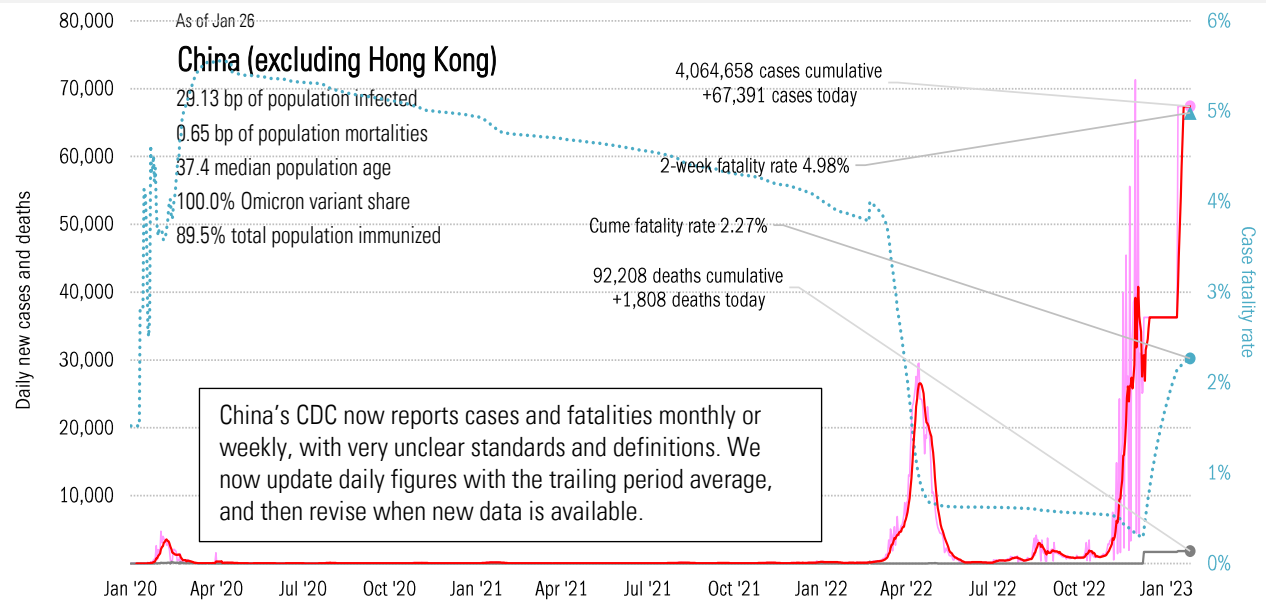
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

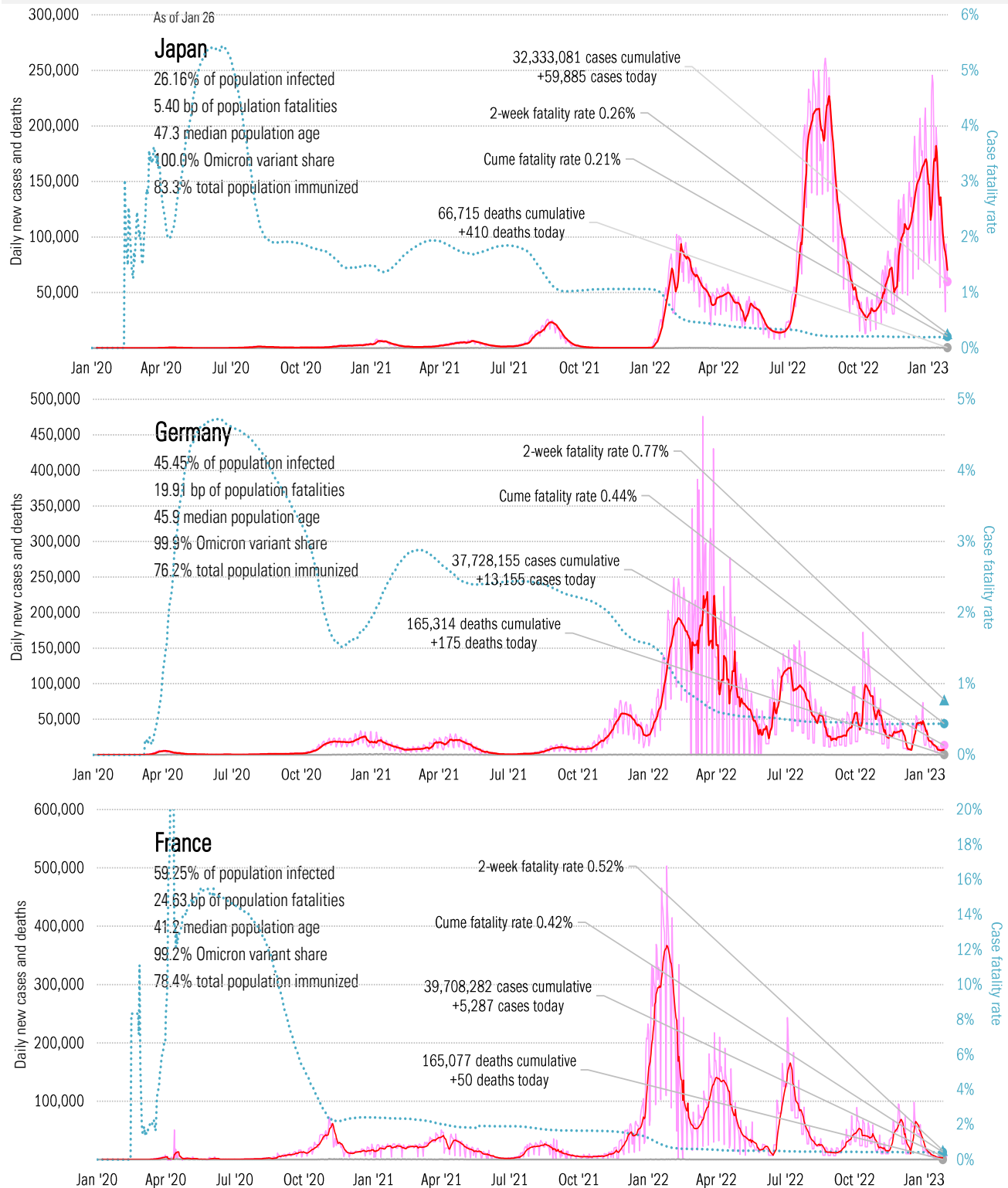
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

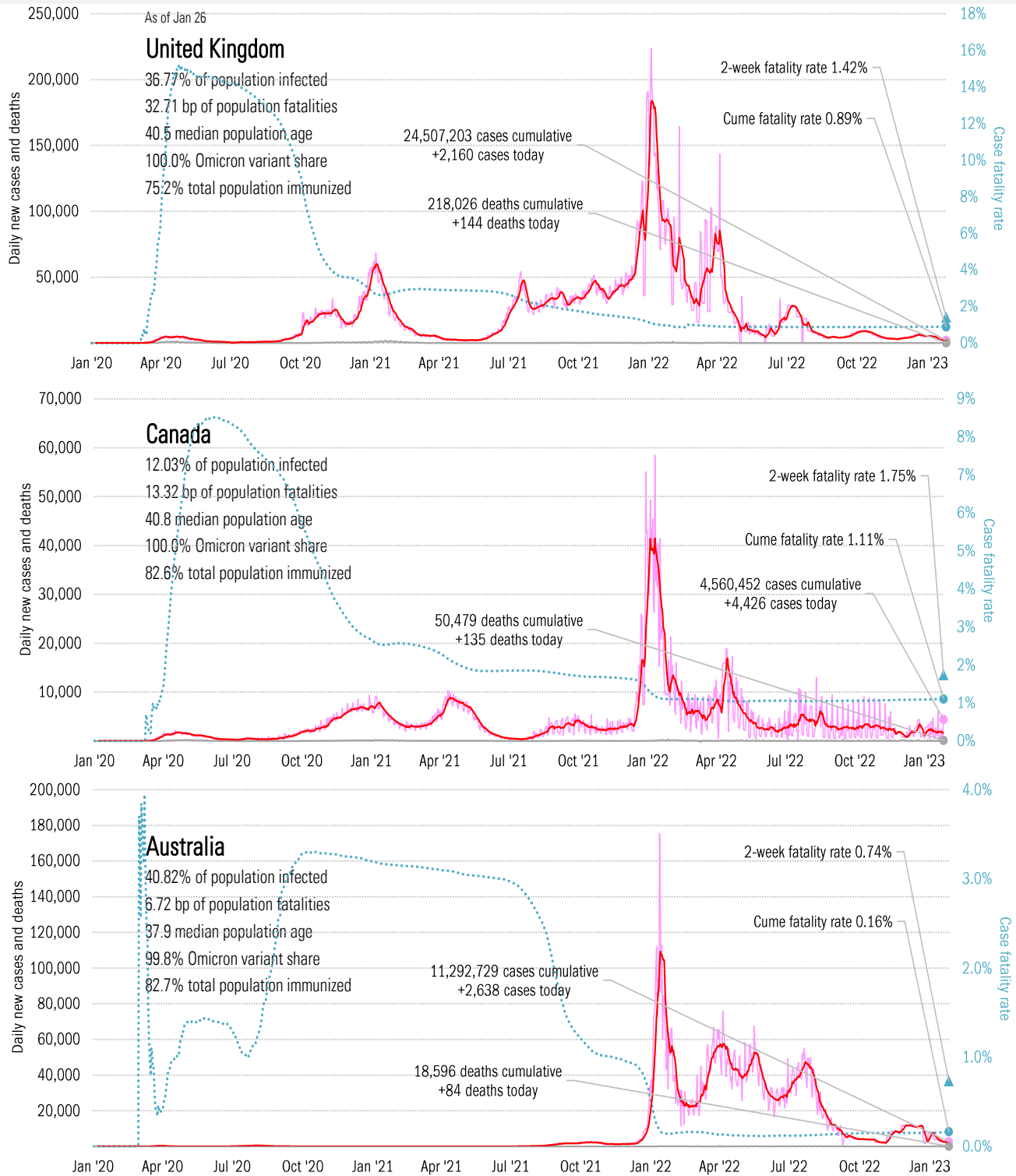
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

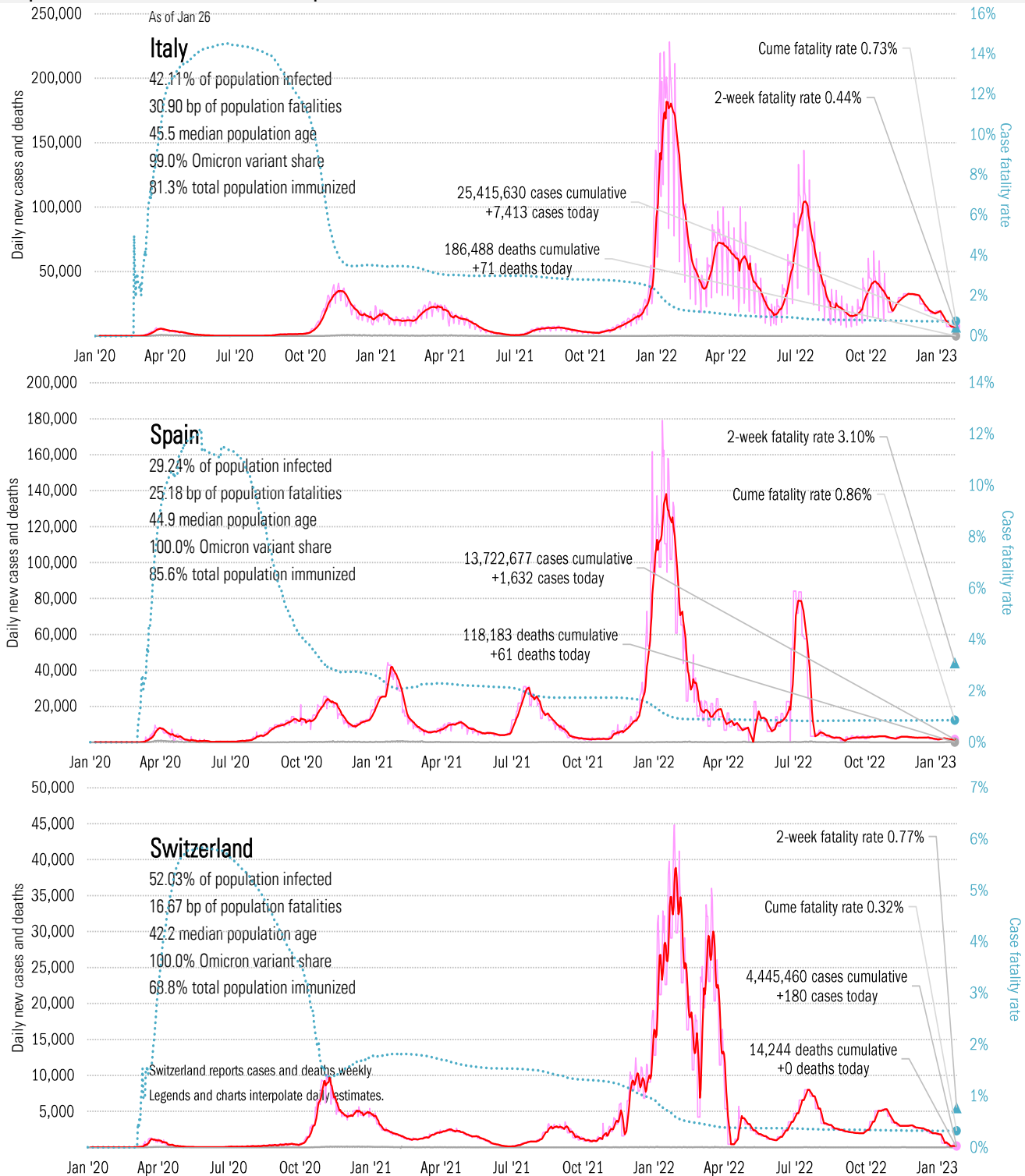
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

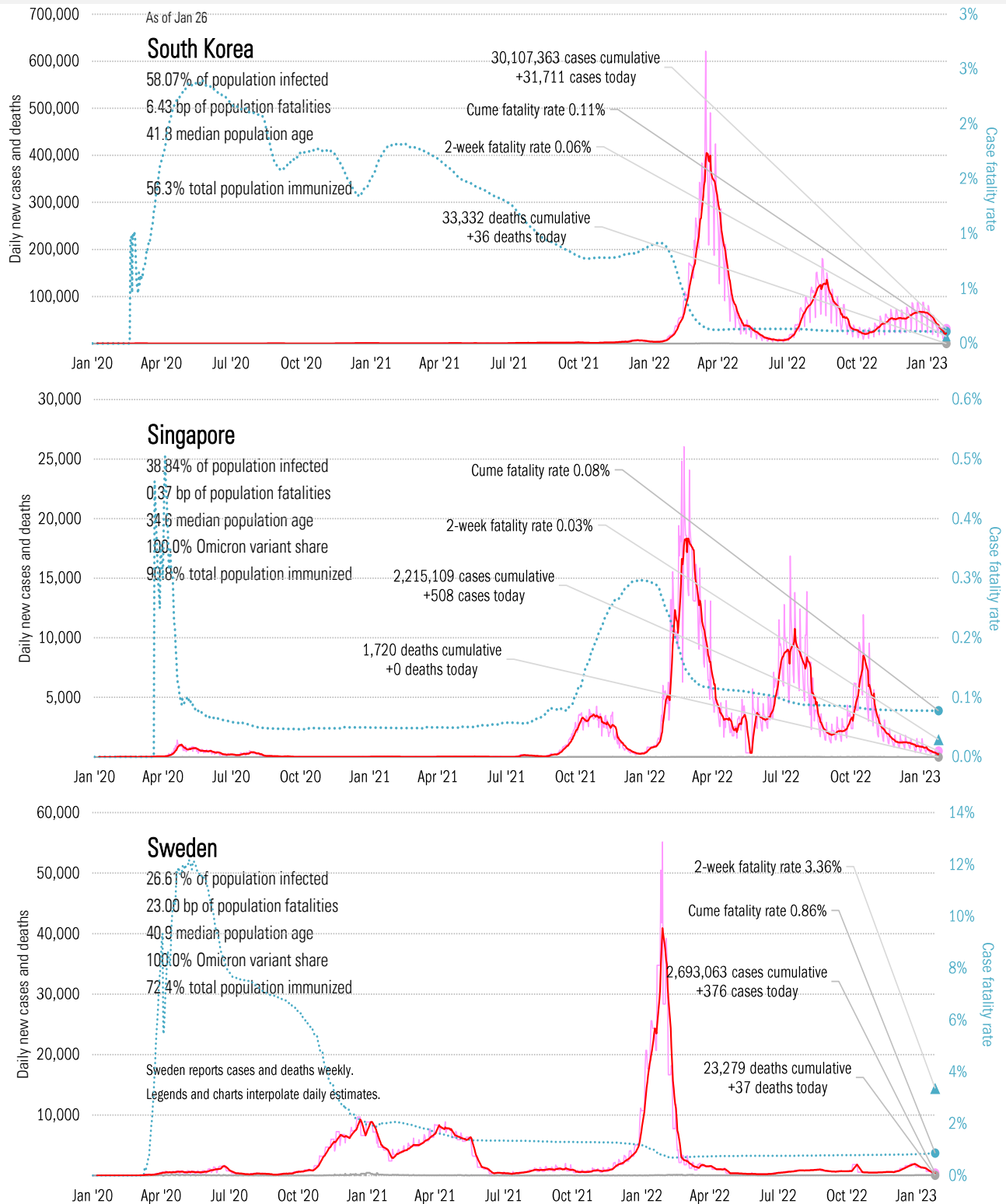
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

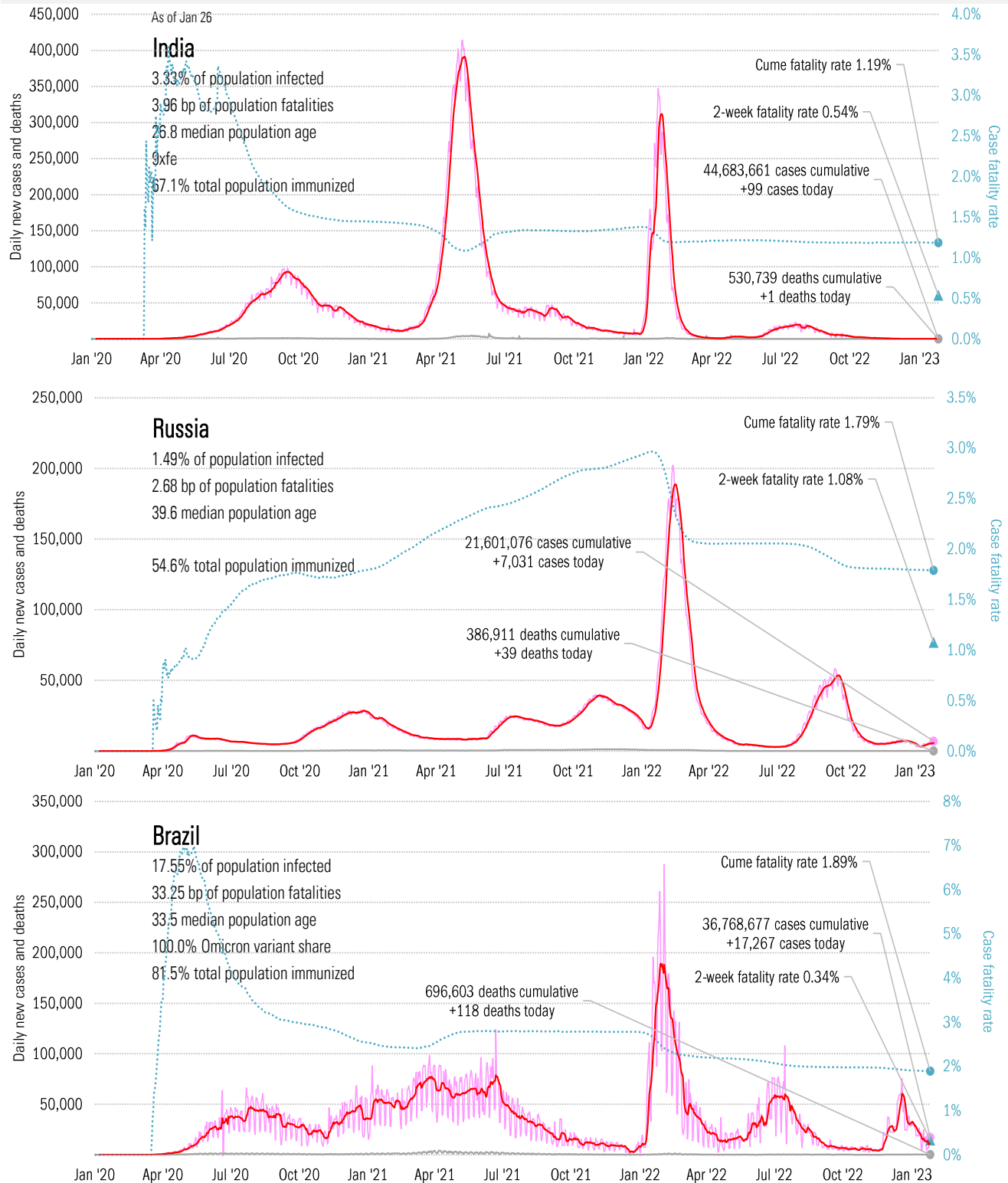
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

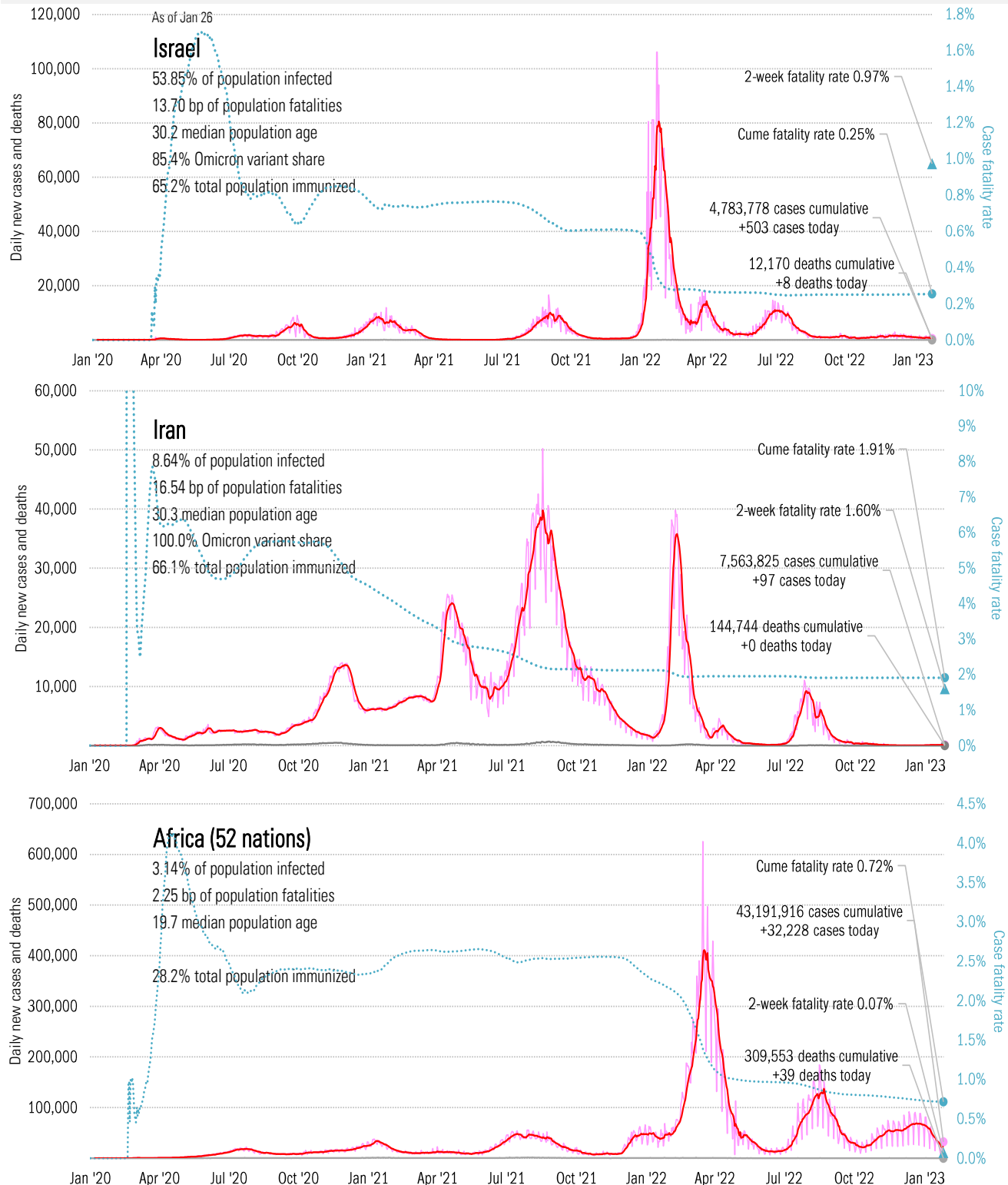
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

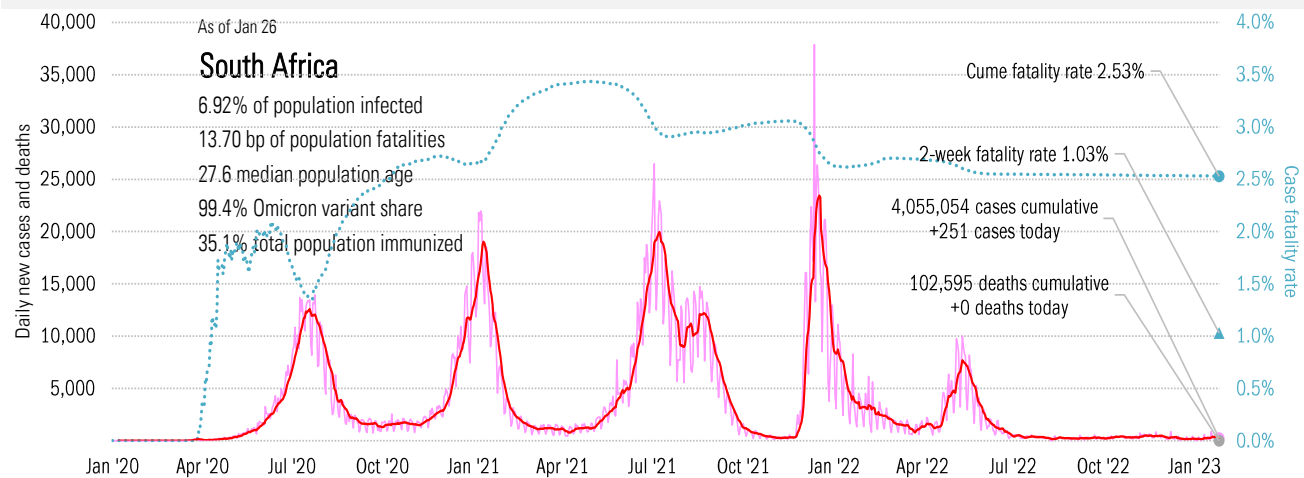
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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