

Data Insights: Covid-2019 Monitor

Tuesday, January 31, 2023

The global scorecard

Cases: 7-day average and daily Deaths: Daily

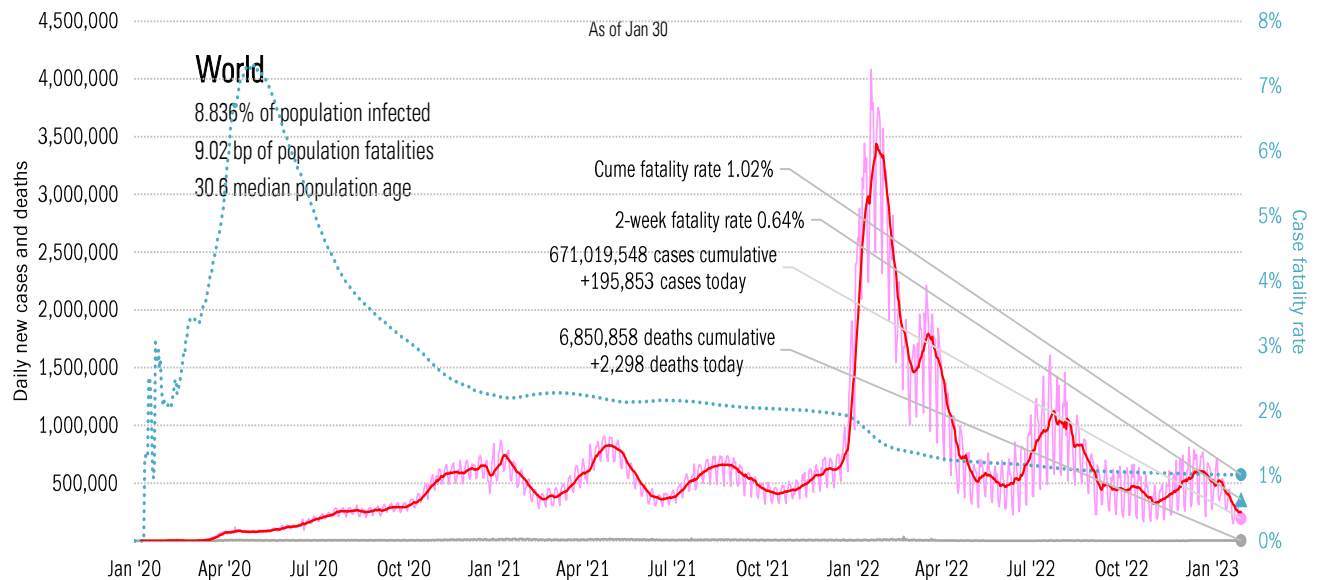
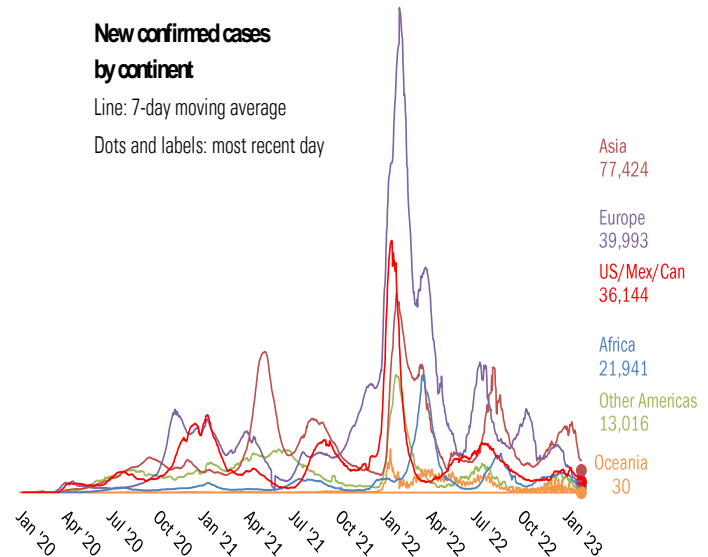
The worst ten countries (see China note page 14)

New cases		New Deaths	
United States	50,867	China	909
China	30,851	United States	517
Taiwan*	22,284	Japan	206
Japan	21,426	United Kingdom	144
Korea, South	19,629	Brazil	133
Brazil	13,553	Germany	122
Spain	8,801	Italy	49
Germany	6,434	Russia	38
Russia	5,938	Sweden	37
Italy	5,451	Spain	36

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

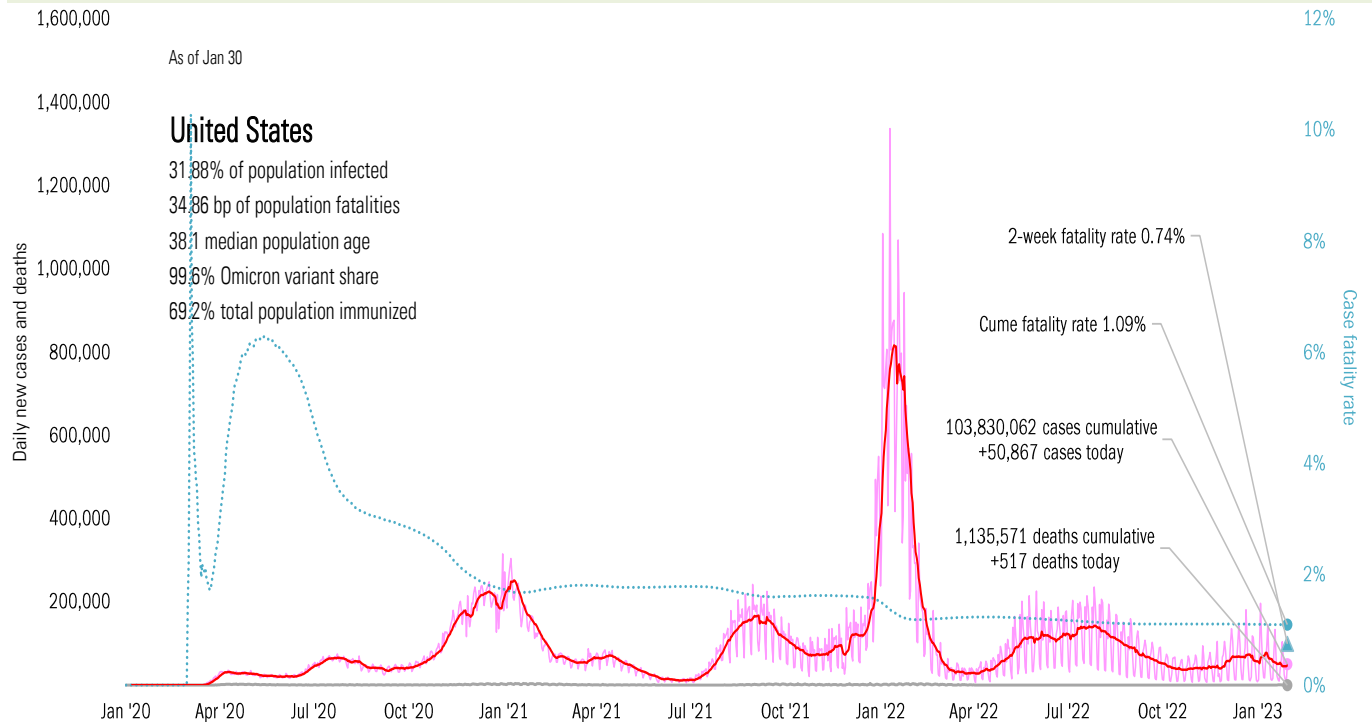
The ten worst US states

New cases	New deaths	New in hospital	Cume cases	Cume deaths	Cume in hospital	Hospital use	ICU use
NY 8,730	NY 108	CA 398	CA 11,983,168	CA 100,027	TX 581,657	RI 88%	TX 86%
FL 7,177	FL 46	NC 157	TX 8,353,941	TX 92,568	CA 557,370	MA 87%	RI 86%
NJ 4,655	MI 37	TX 342	FL 7,443,954	FL 84,927	FL 526,201	DE 85%	NC 84%
CA 4,383	PA 34	TN 71	NY 6,711,424	NY 76,363	NY 347,801	MN 84%	MA 84%
NC 2,054	MA 27	GA 133	IL 4,019,768	PA 49,633	CH 240,910	DC 83%	AL 83%
IL 1,561	SC 24	MI 88	PA 3,469,902	GA 41,915	GA 239,392	WA 82%	AK 83%
VA 1,516	AZ 21	CT 87	NC 3,412,542	MI 41,445	PA 226,405	MO 82%	NH 83%
SC 1,411	TX 21	NJ 167	CH 3,347,767	CH 41,355	IL 209,661	WV 82%	AR 83%
WI 1,283	GA 20	MN 59	GA 3,027,856	IL 41,088	MI 178,531	NC 81%	DE 82%
CH 1,165	CA 18	CH 136	MI 3,024,478	NJ 35,780	NJ 159,722	MD 81%	MO 81%
33,935	355	1,638	54,794,800	605,101	3,267,650		
All states 50,867	517	3,580	All states 103,830,062	1,135,571	5,923,507	All states 70%	67%
Top ten 67%	69%	46%	Top ten 54%	55%	55%	Median 77%	74%

Some states not reporting

Five most improved US states

Fewer daily cases	Fewer new deaths	Fewer new hospitalizations
PA -605	CO -21	NY -113
TX -460	AR -7	FL -32
CO -337	WI -5	PA -32
KS -292	MD -1	AL -26
MD -68	AK 0	OK -26



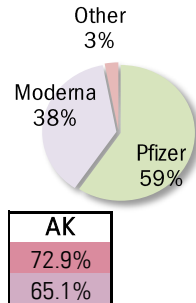
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

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	France	78.4%	80.6%
Total population	277,346,324	83%	236,447,801	71%	Spain	85.6%	86.9%
Age 12 to 17	18,446,236	73%	15,790,380	62%	Germany	76.2%	77.8%
Age 18 to 64	184,412,810	91%	156,755,065	77%	Italy	81.3%	86.2%
Age 65 and over	61,023,896	100%	53,463,192	98%	Australia	82.7%	85.0%
					Israel	65.2%	71.1%
					Canada	82.6%	90.4%
					Japan	83.3%	84.4%
					Africa	28.2%	34.2%
					India	67.1%	72.5%
					Brazil	81.5%	87.8%
					China	89.5%	91.9%

Global data differs due to sources, timing



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

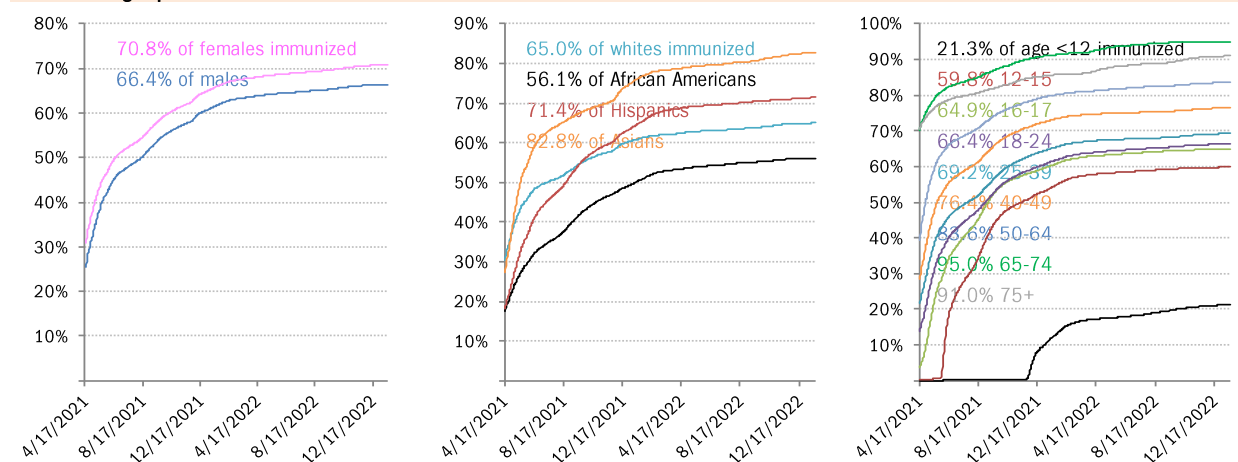
Best
Middle
Worst

"Immunity" = two doses

As of Jan 27

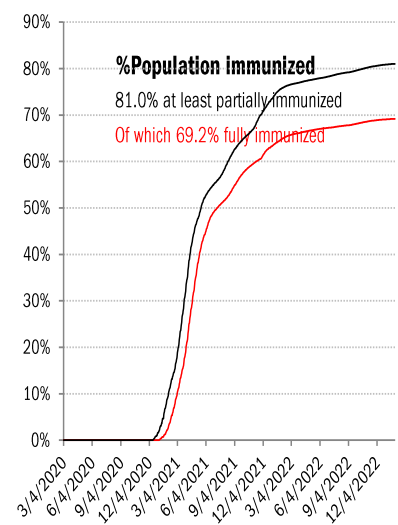
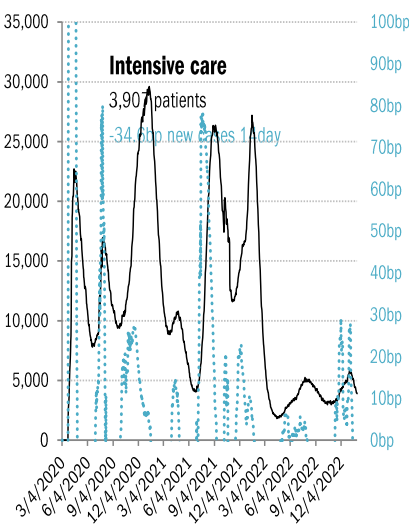
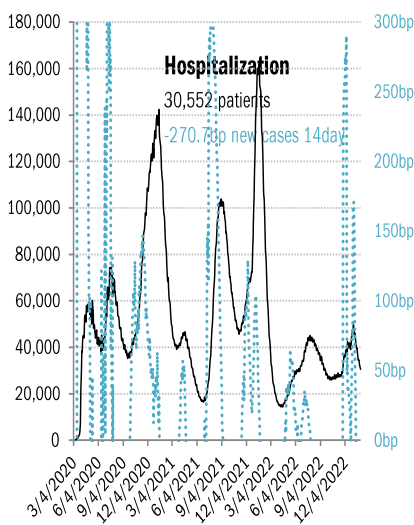
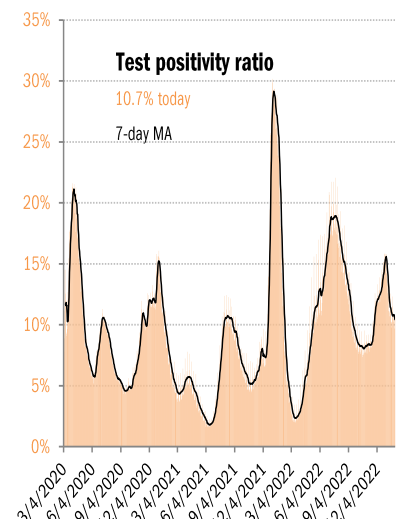
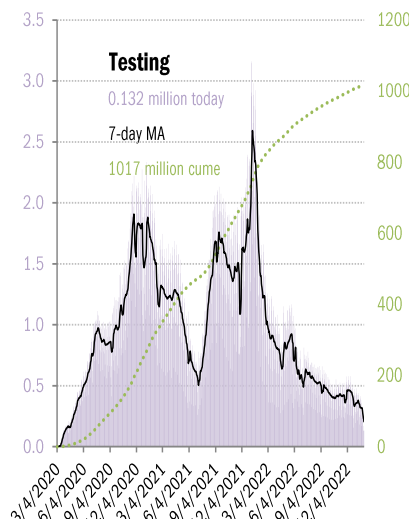
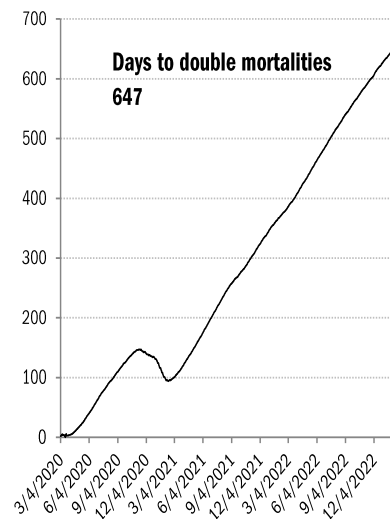
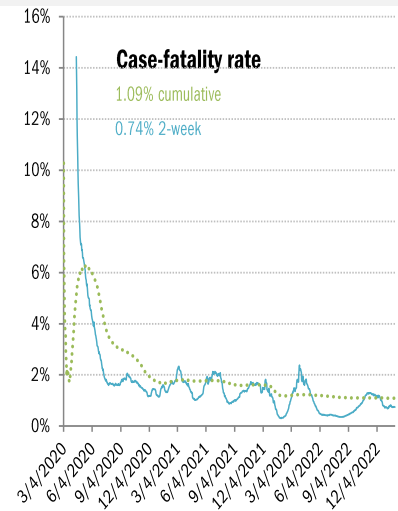
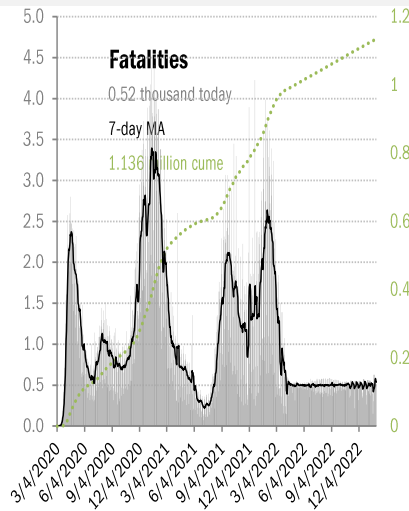
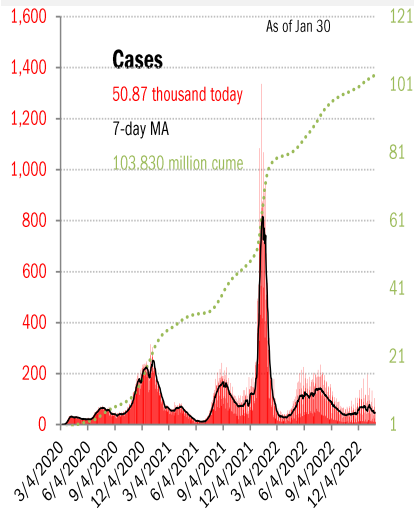
					WI 75.0% 68.1%					ME 95.0% 83.2%
WA 85.1% 75.9%	ID 63.8% 56.4%	MT 68.2% 59.1%	ND 69.3% 58.6%	MN 78.7% 72.0%	IL 79.0% 71.1%	MI 69.4% 62.3%		NY 94.3% 80.7%	VT 95.0% 85.5%	NH 88.0% 71.8%
OR 81.5% 72.3%	NV 77.5% 63.6%	WY 60.8% 53.0%	SD 83.7% 66.2%	IA 70.6% 64.3%	IN 64.3% 57.7%	OH 65.7% 60.4%	PA 90.4% 73.2%	NJ 94.5% 79.0%	MA 95.0% 84.1%	
CA 84.6% 74.6%	UT 75.1% 66.6%	CO 83.5% 73.4%	NE 73.3% 66.2%	MO 69.2% 59.0%	KY 68.8% 59.6%	WV 67.4% 59.6%	VA 90.9% 76.5%	MD 91.6% 79.6%	CT 95.0% 82.9%	RI 95.0% 87.6%
	AZ 77.4% 65.9%	NM 94.2% 75.1%	KS 76.1% 65.2%	AR 69.8% 56.8%	TN 64.4% 56.2%	NC 92.0% 67.0%	SC 70.9% 59.8%	DC 95.0% 90.2%	DE 88.1% 73.2%	
			OK 74.5% 60.4%	LA 62.7% 55.0%	MS 61.6% 53.6%	AL 64.9% 53.1%	GA 68.3% 57.2%			
			TX 76.3% 63.2%					FL 82.4% 69.3%		PR 90.8% 83.9%

The demographics of US vaccination

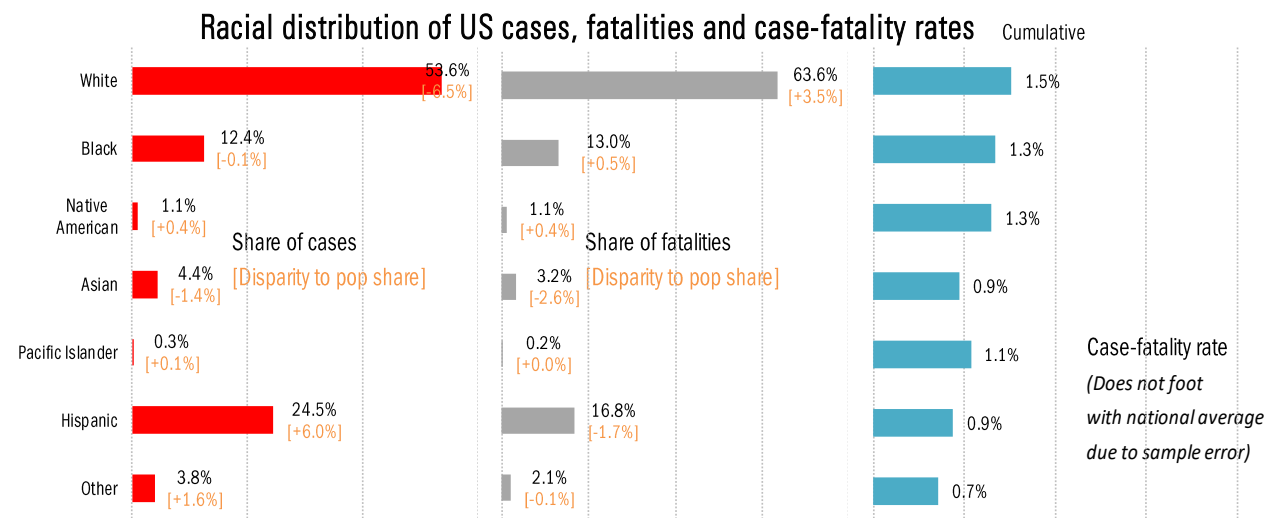
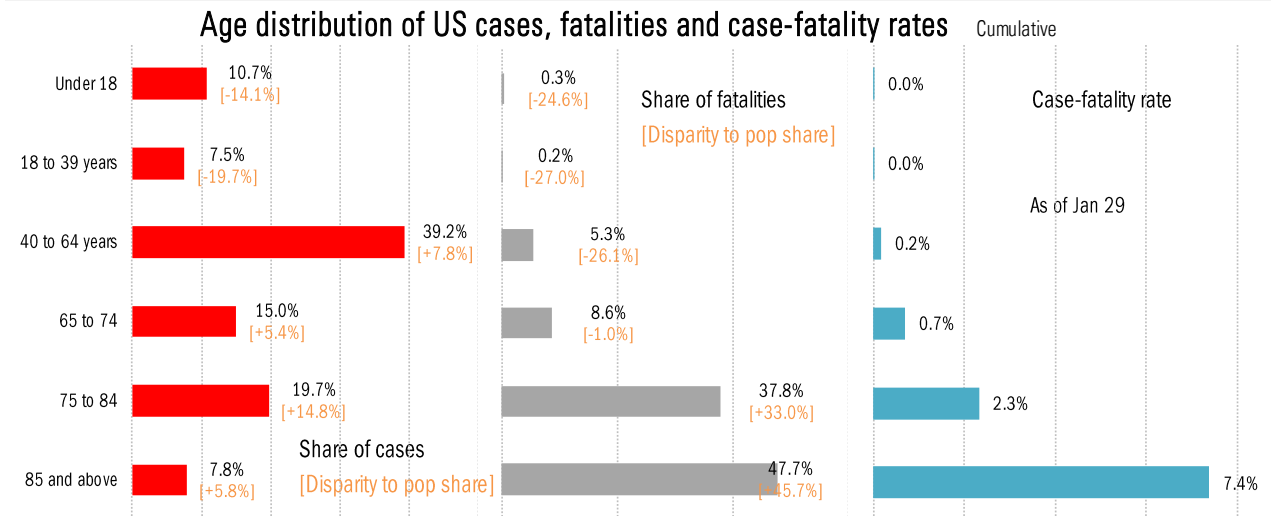


Source: CDC, CDC, Our World in Data, TrendMacro calculations

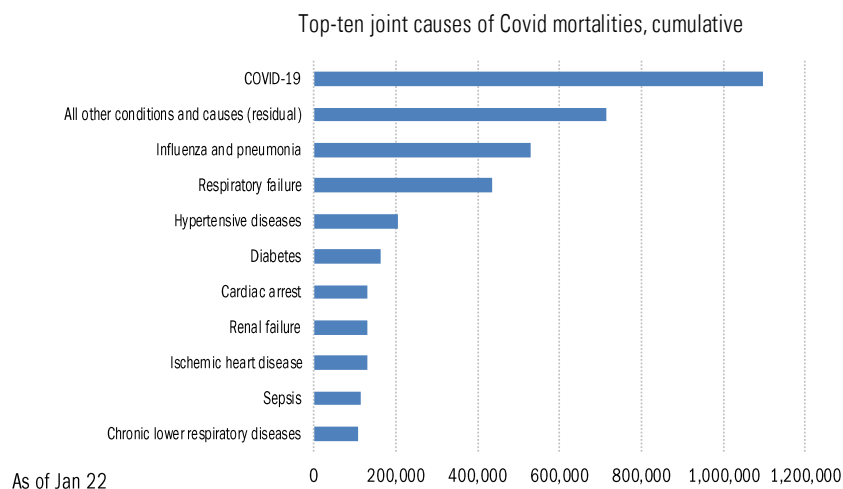
US deep-dive



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



Comorbidities



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

[How Biden Officials Bungled a Better Vaccine](#)

Allysia Finley
Wall Street Journal
January 30, 2023

[Statement of Administration Policy re H.R. 382 and Res. 7](#)

The White House
January 30, 2023

[California Loses on Medical Censorship](#)

Wall Street Journal
January 30, 2023

[Biden administration plans to end COVID public health emergency in May](#)

Joseph Choi
The Hill
January 30, 2023

Meme of the Day

‘Trust the Science’.

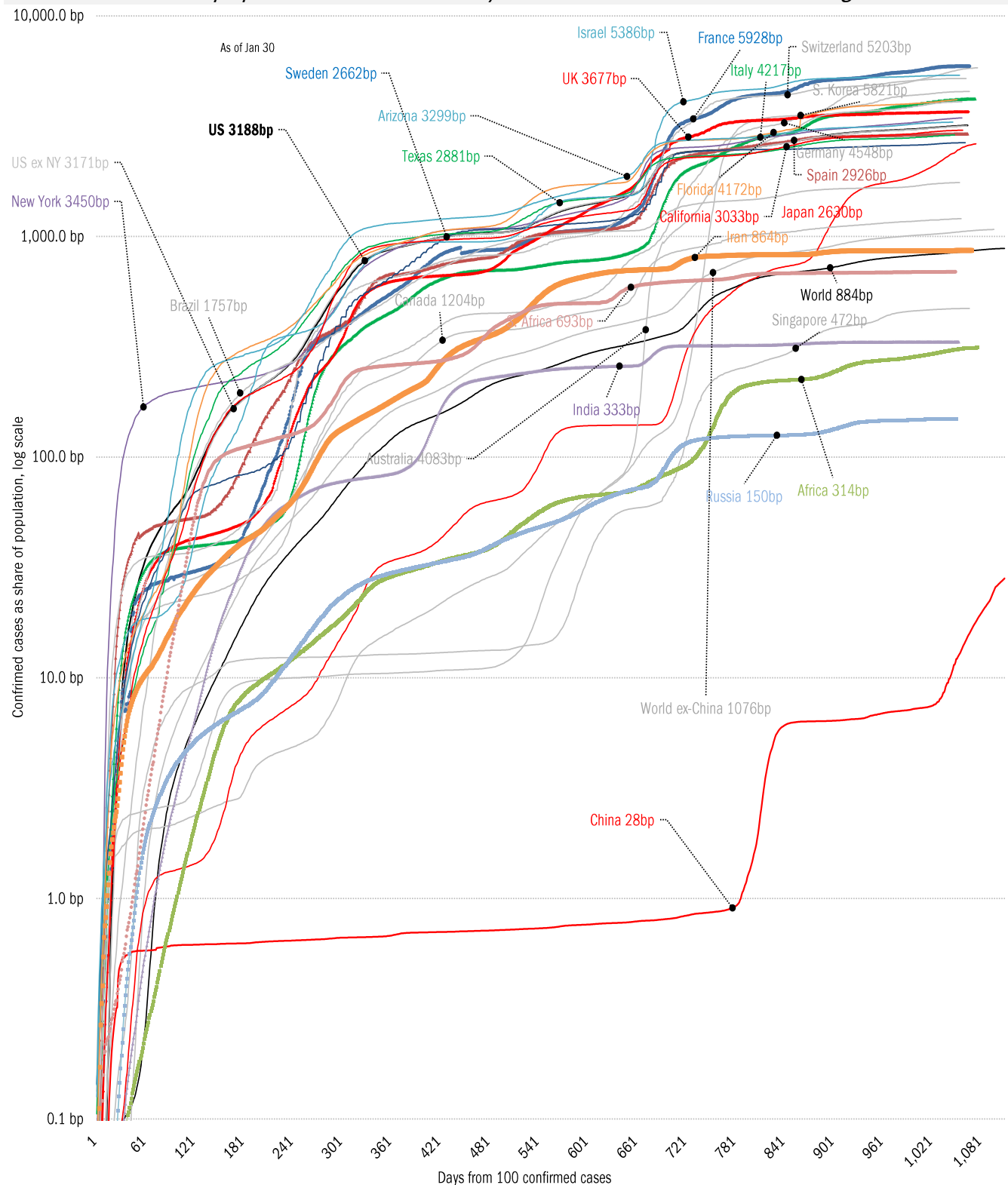
The last 3 years of Science:



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

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

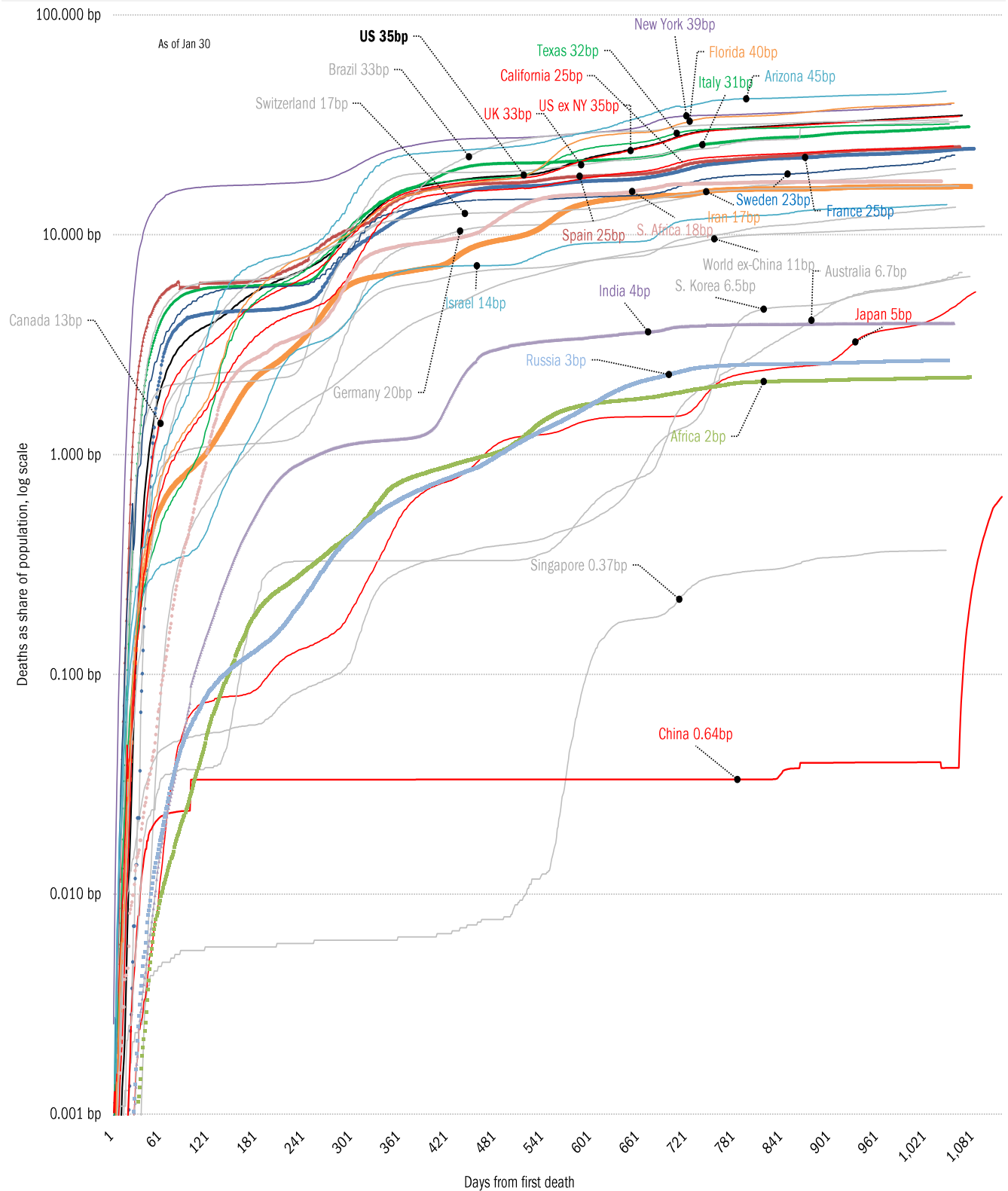
Share of infected population from first day with 100 confirmed cases, log scale



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

The global coronavirus mortality accelerometer ... tracking the world's fatality curves

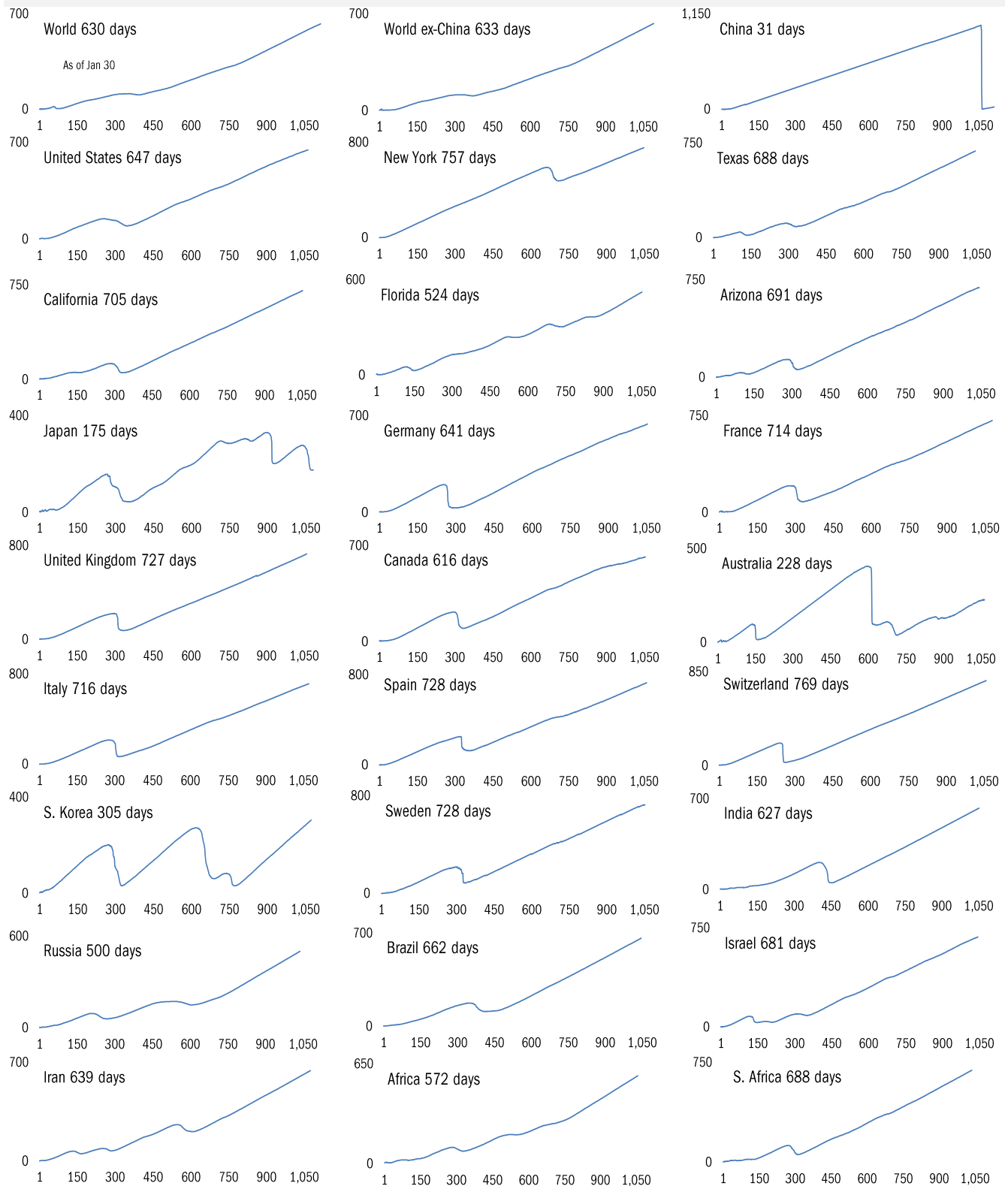
Share of population deceased from day of first fatality, log scale



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

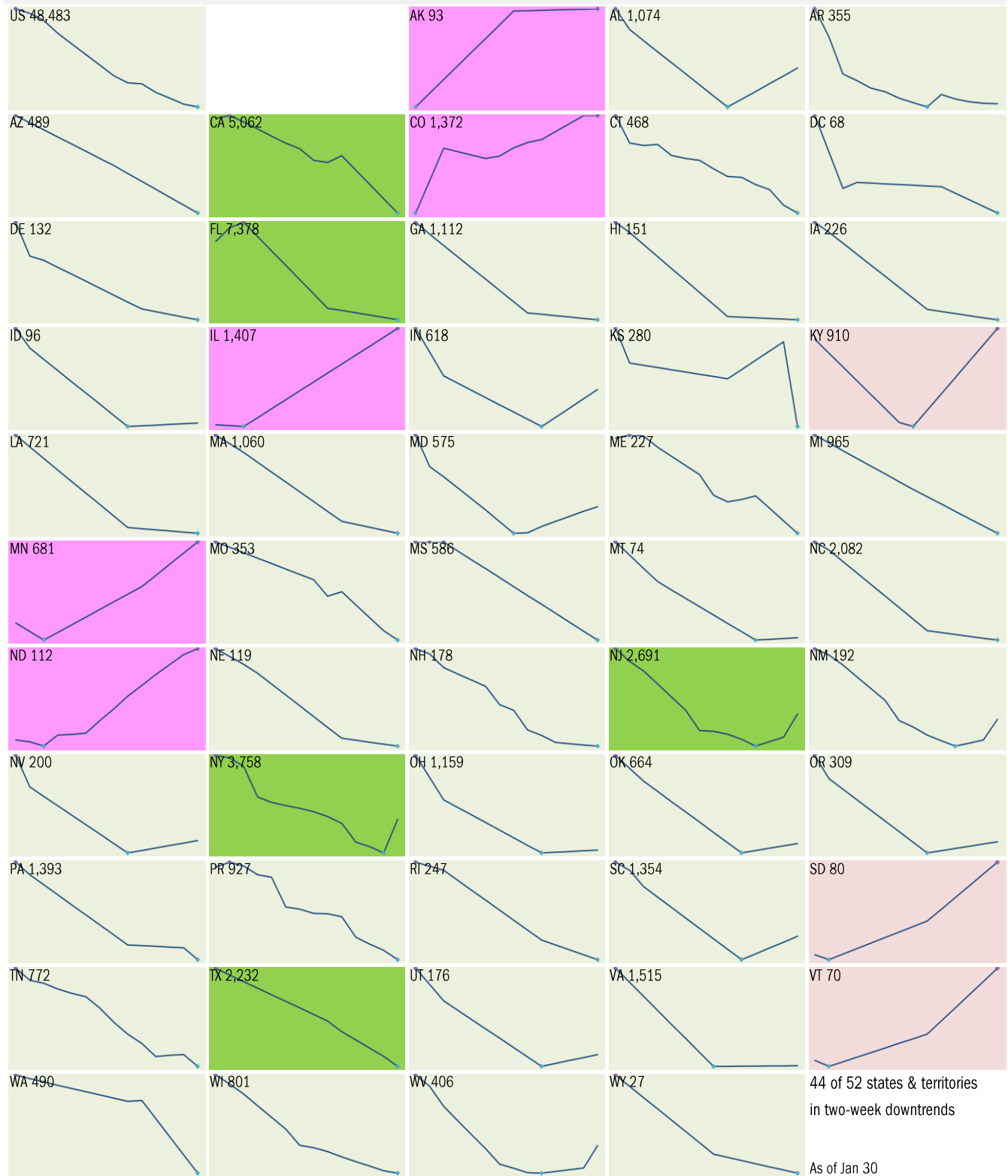


Source: [Johns Hopkins](#), TrendMacro calculations

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

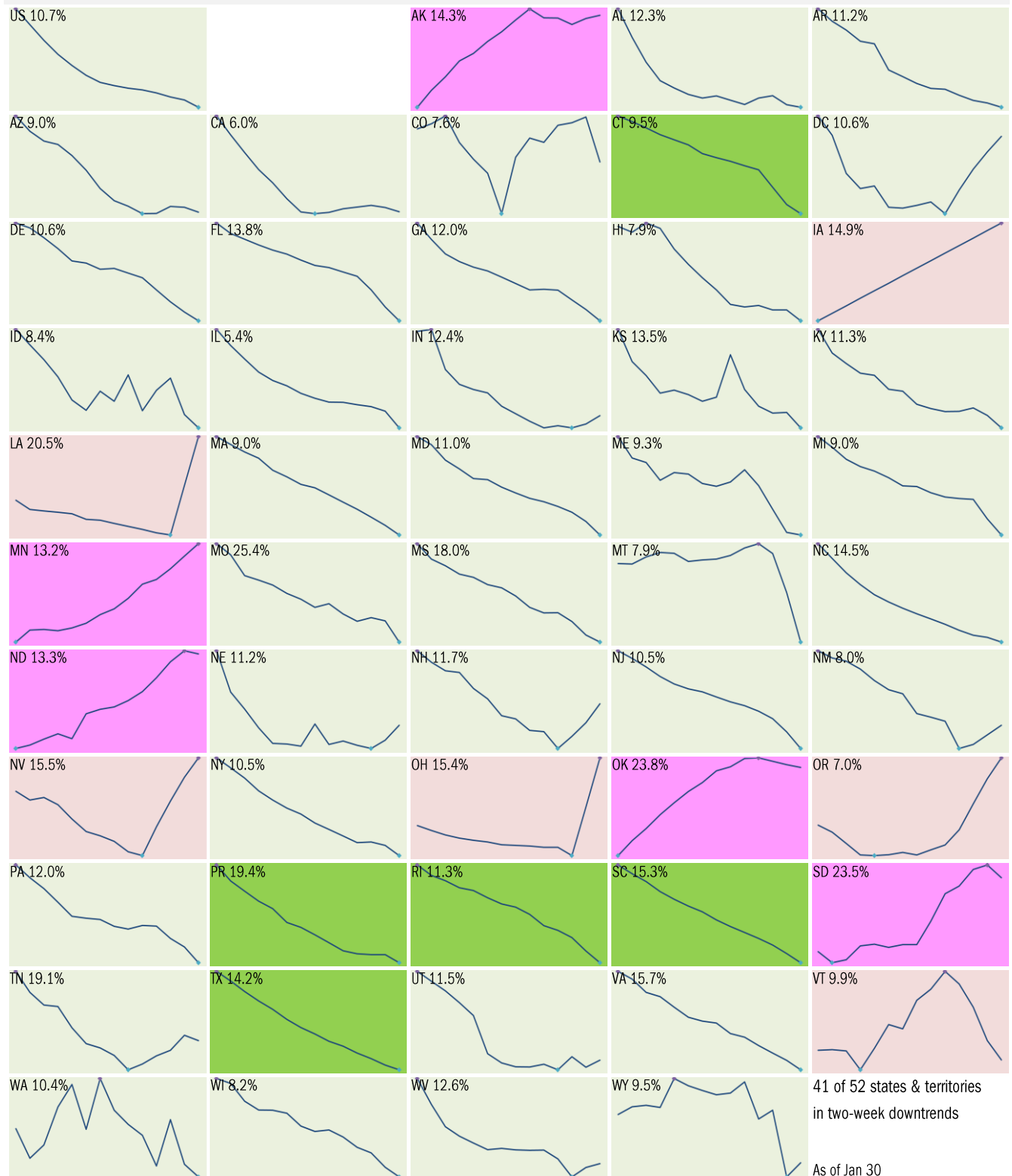


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

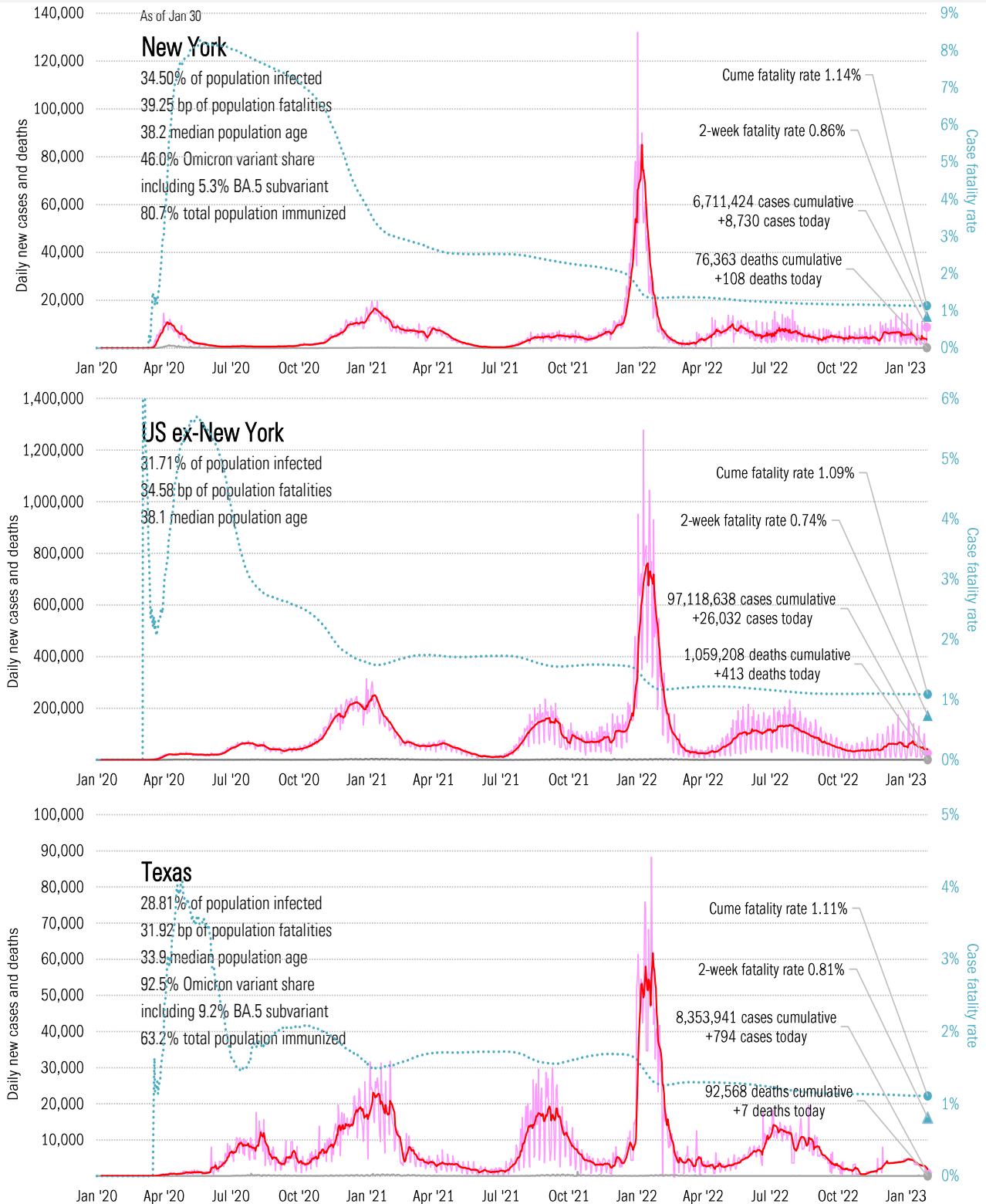
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

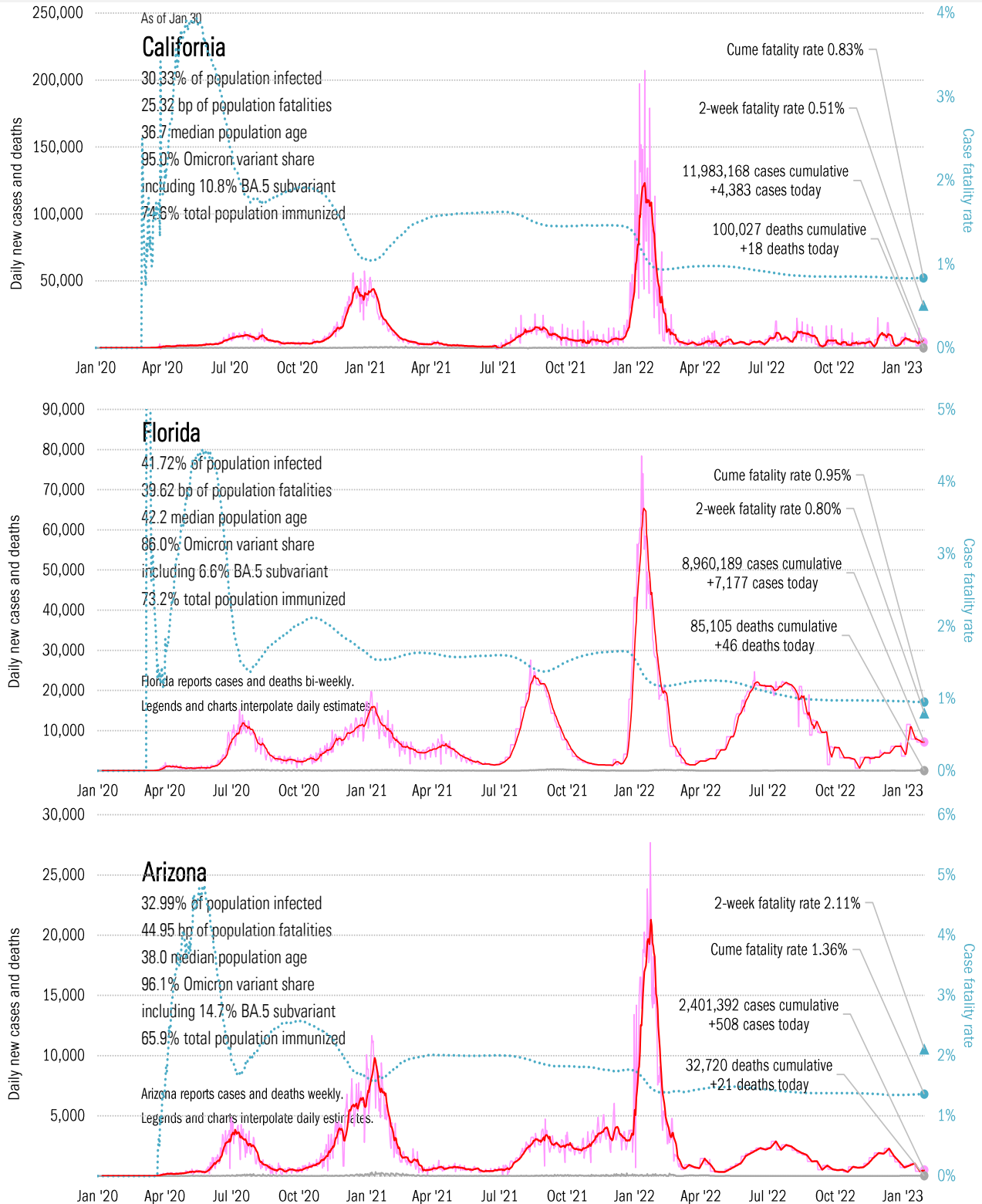
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

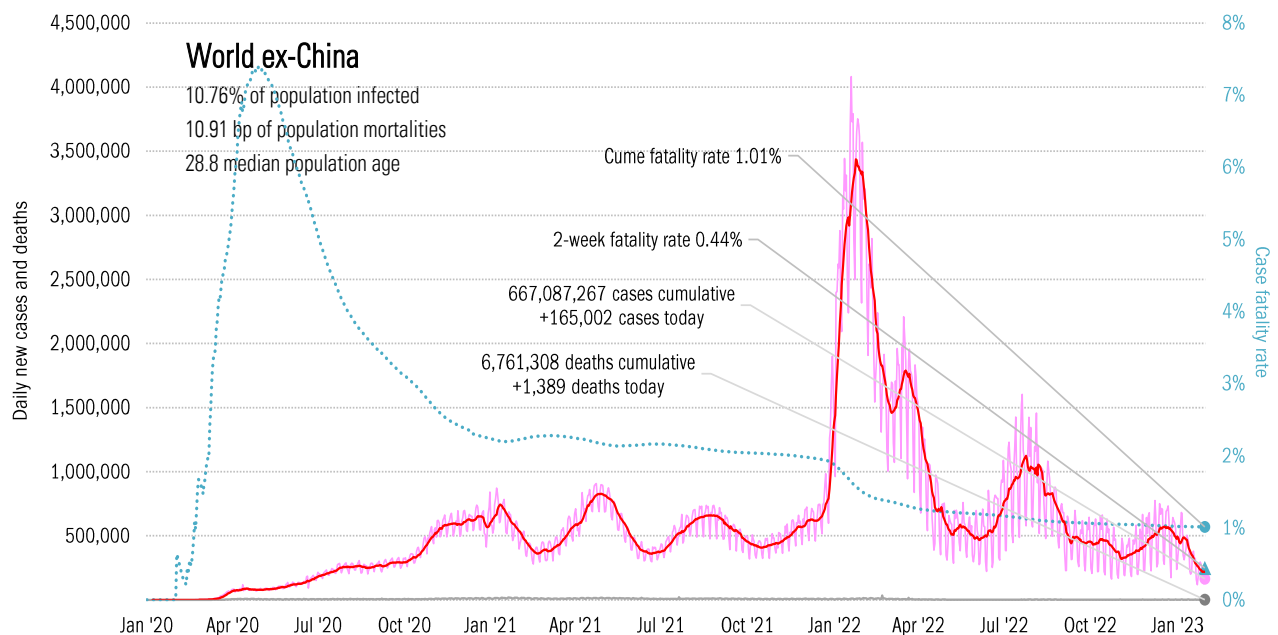
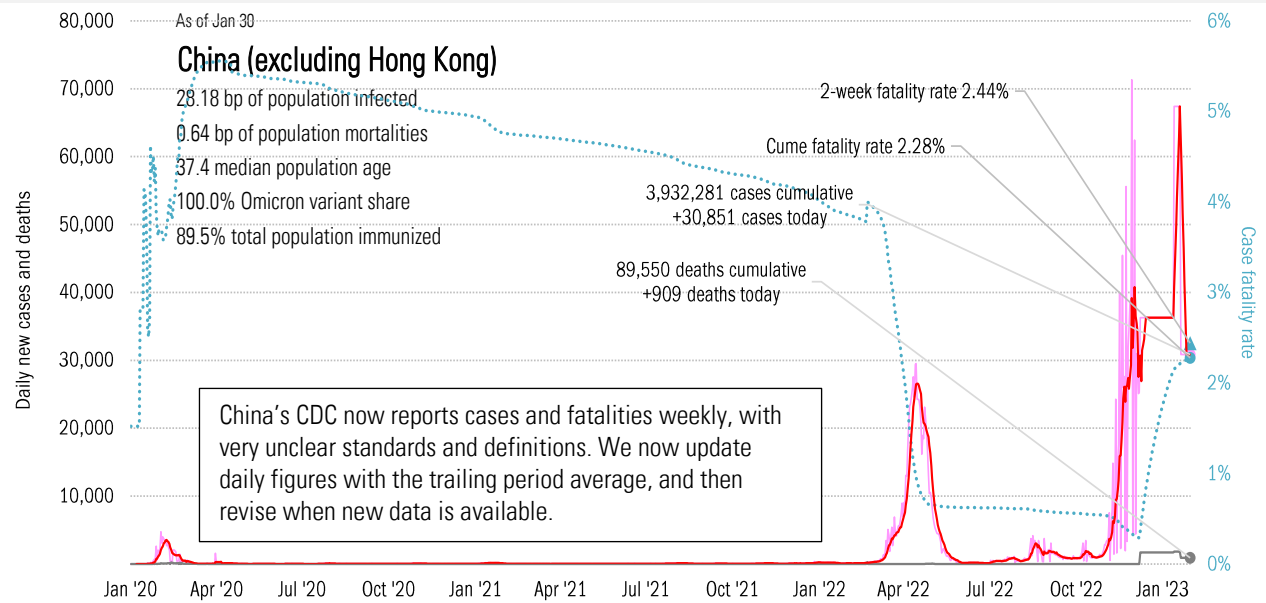
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

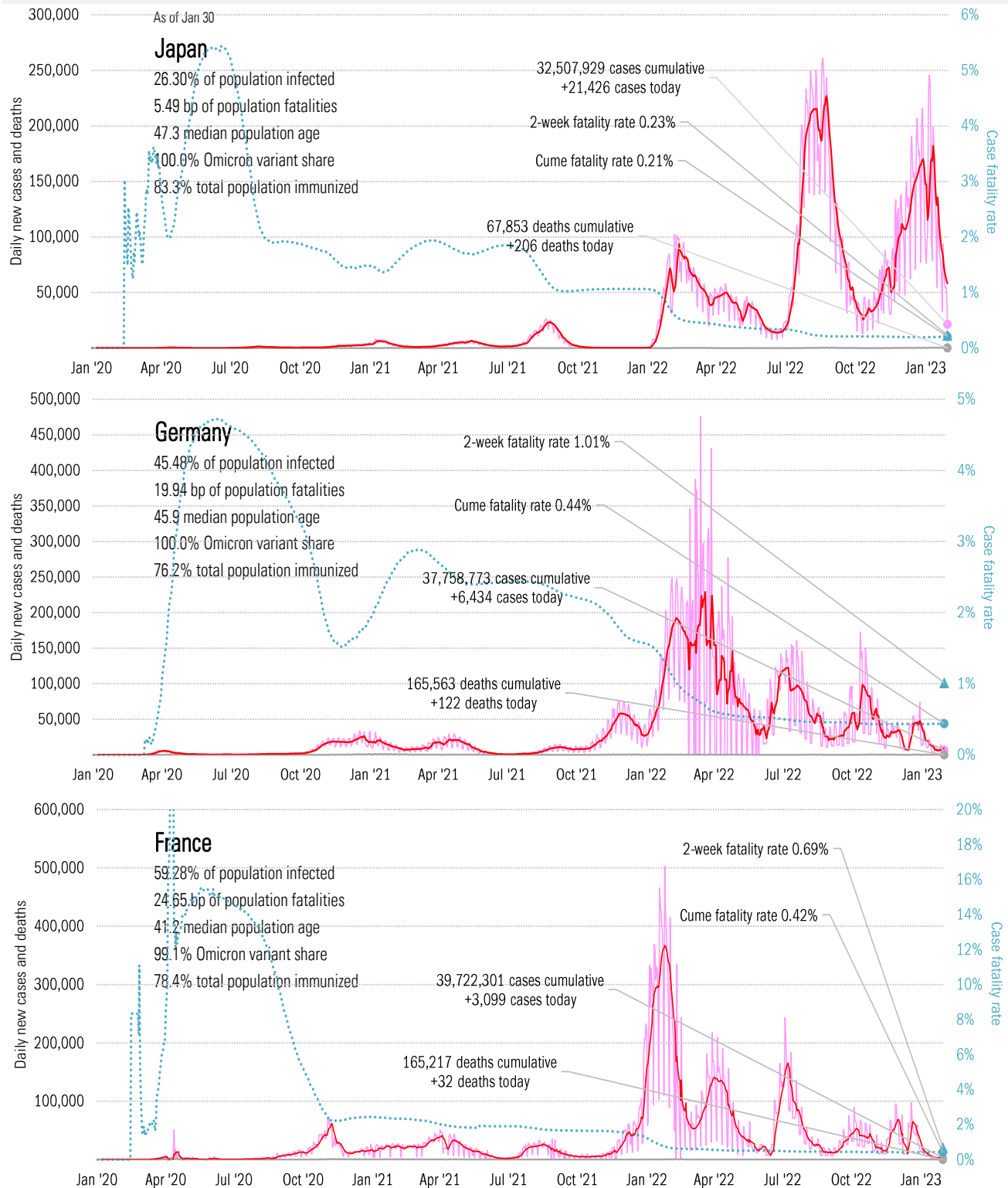
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

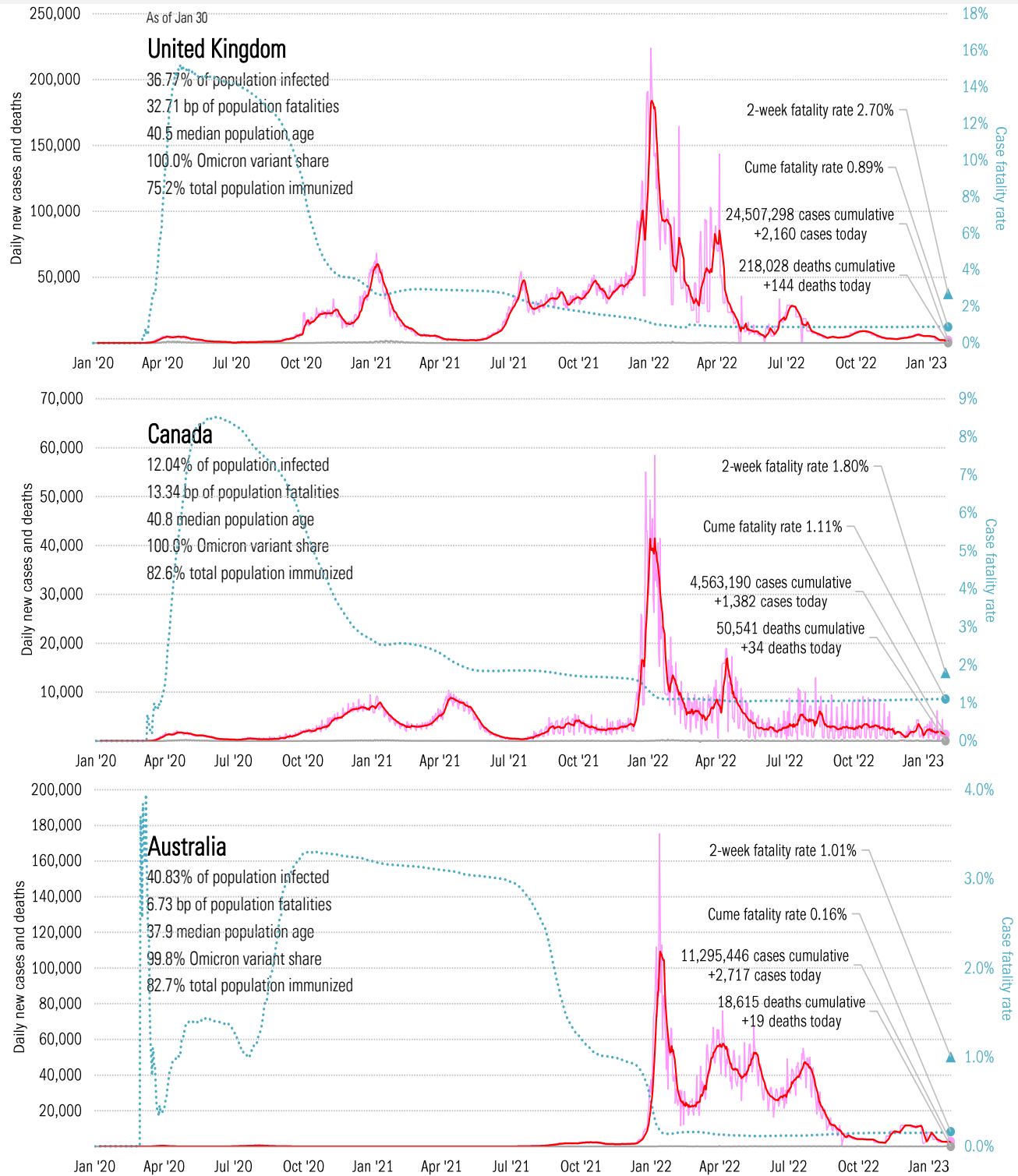
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

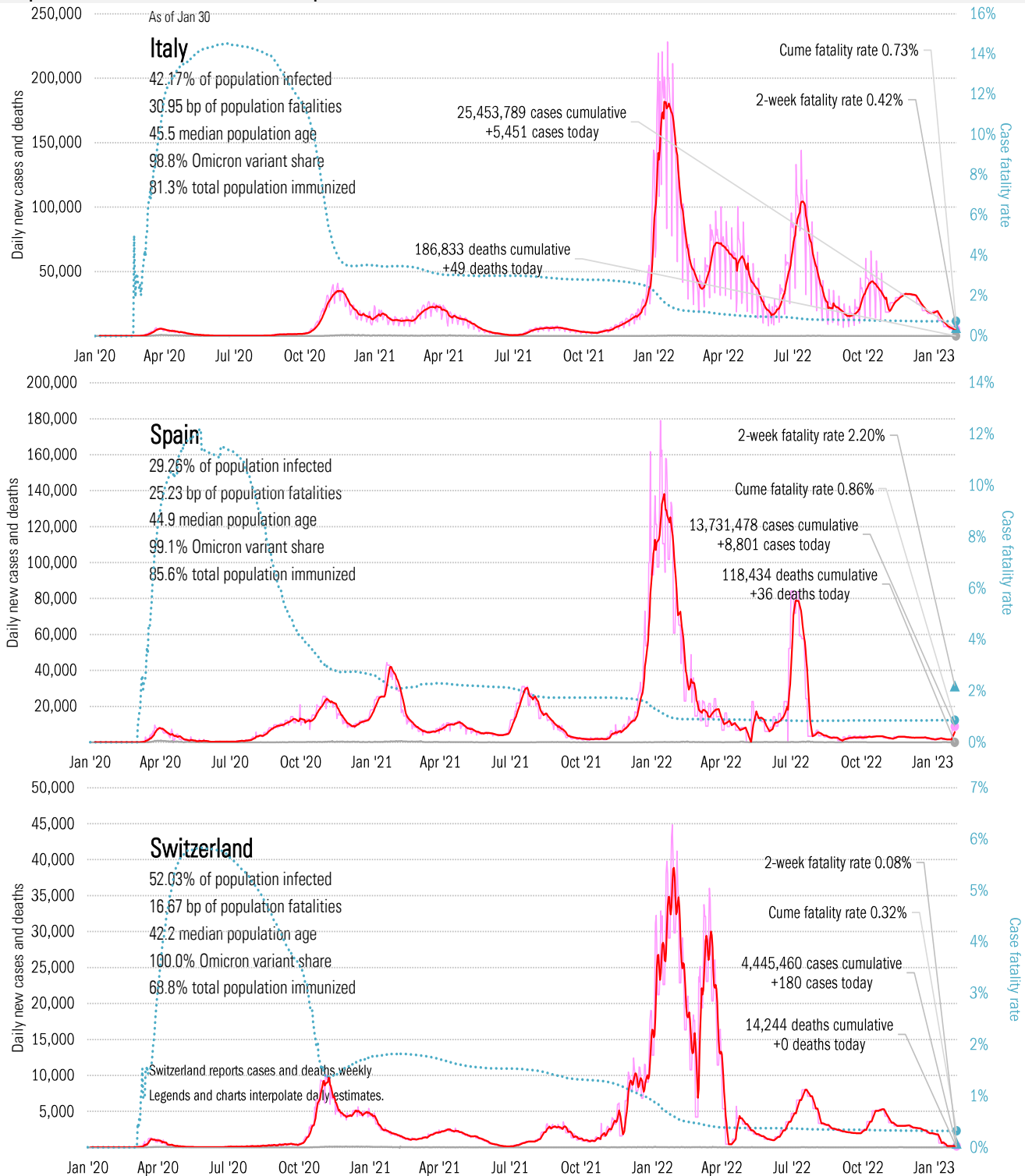
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

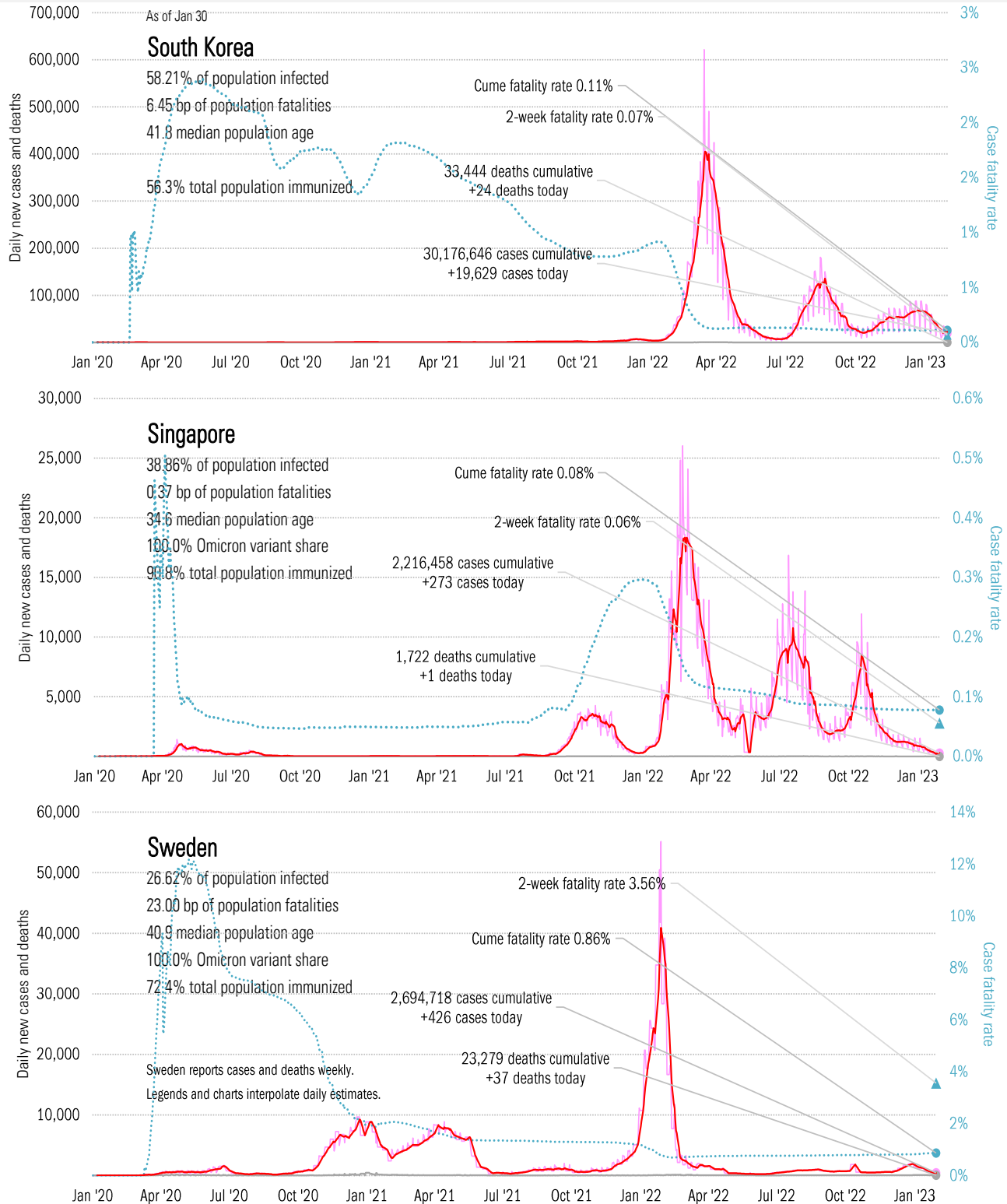
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

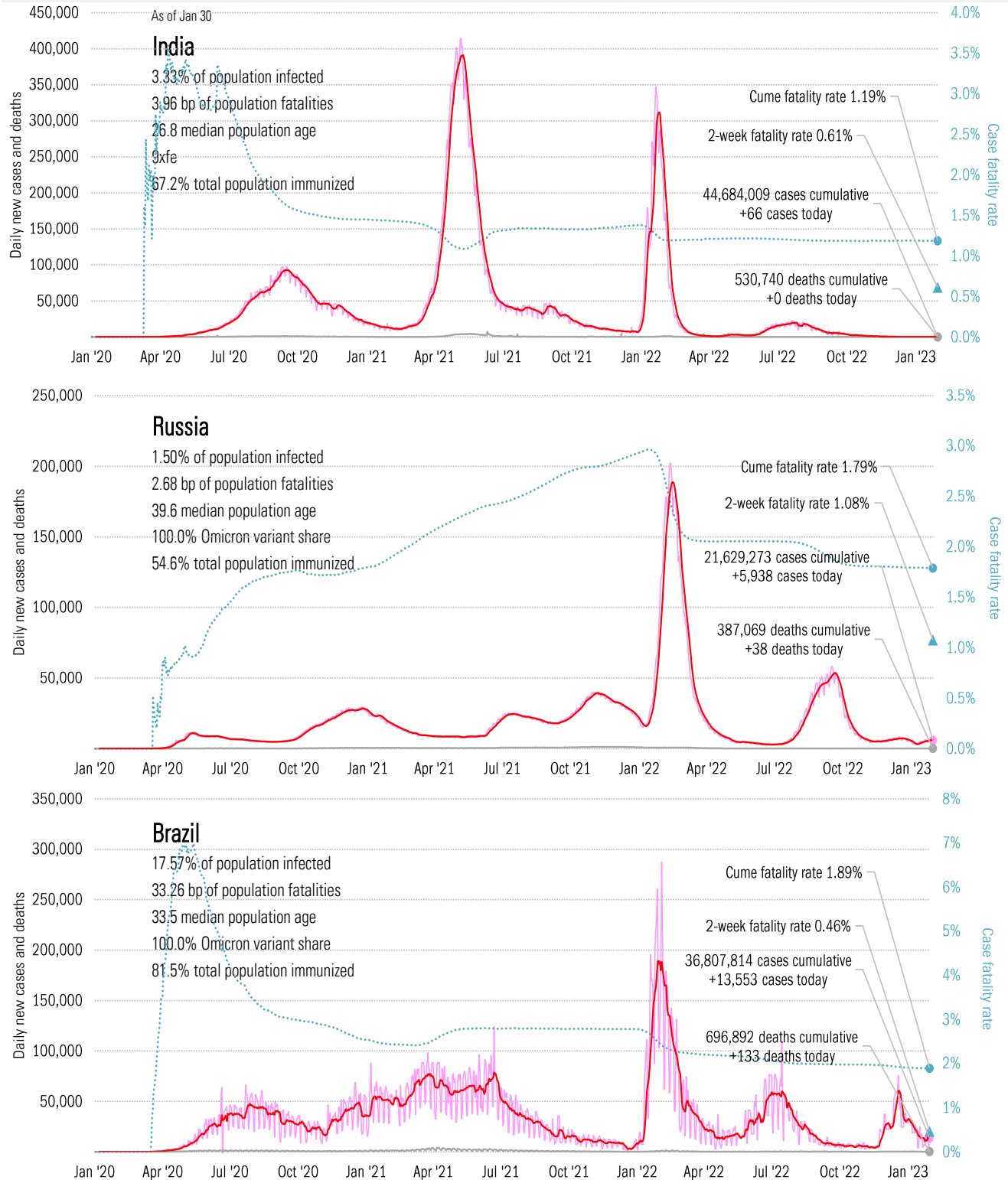
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

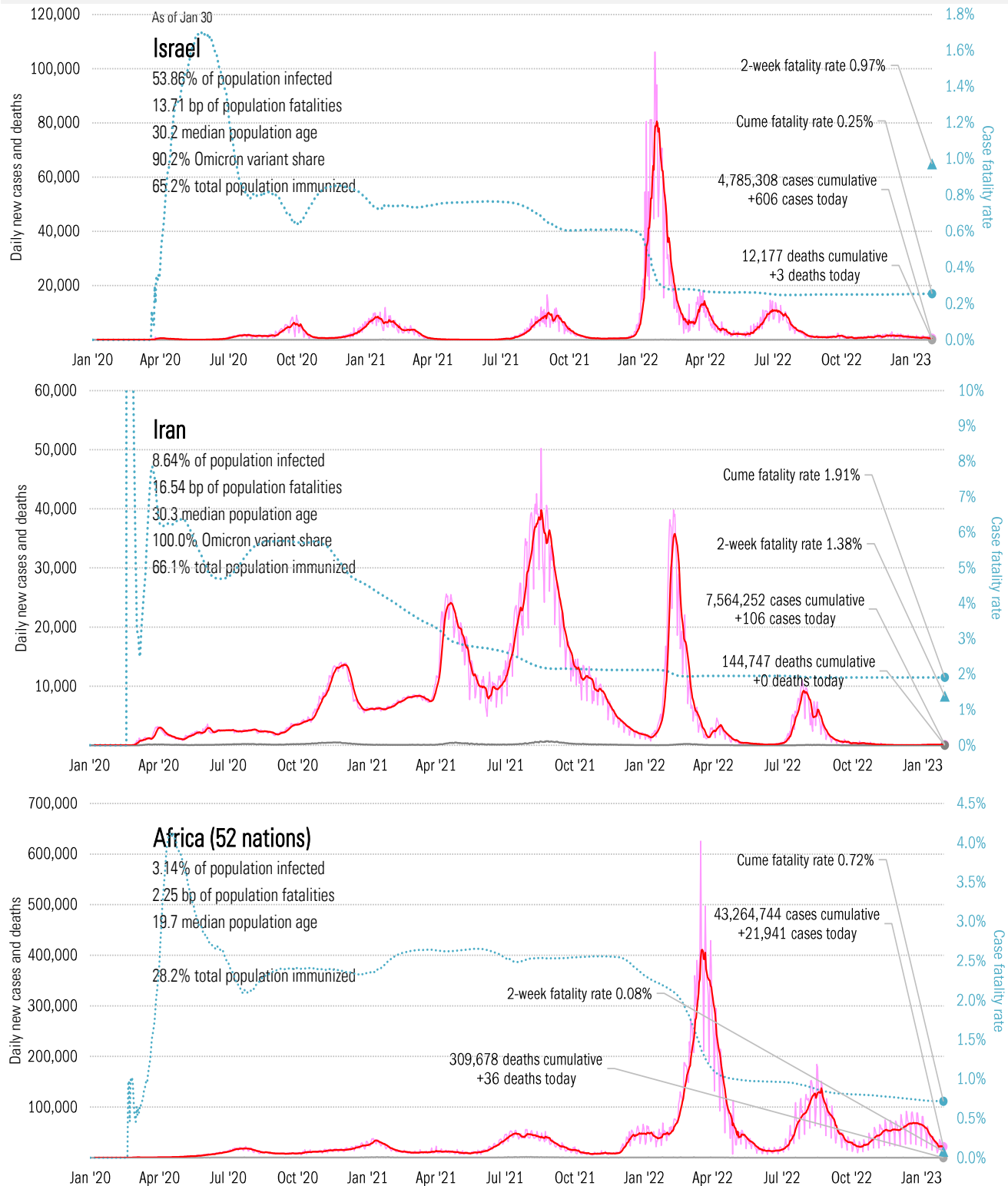
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

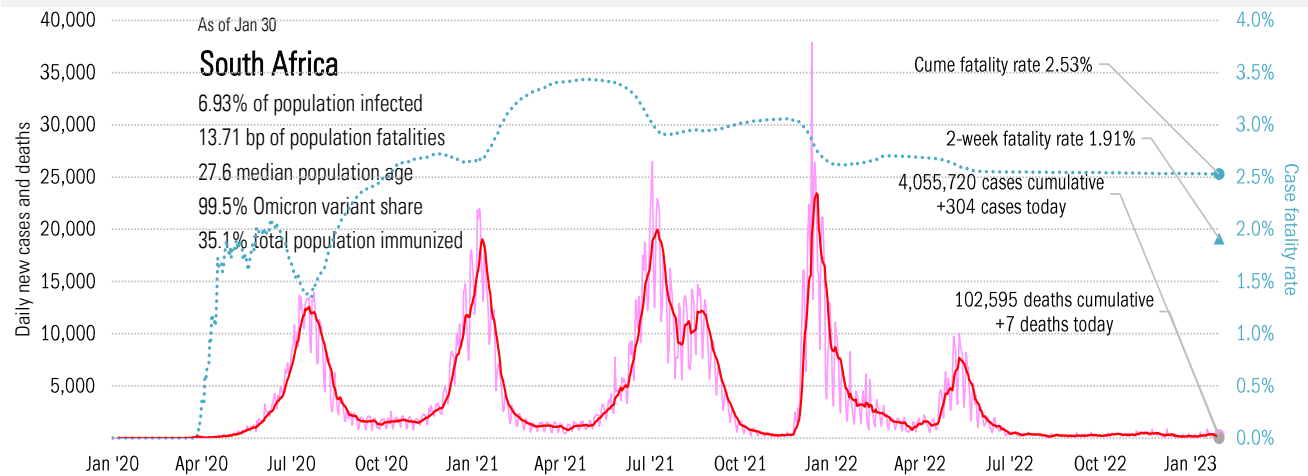
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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