

Data Insights: Covid-2019 Monitor

Sunday, January 22, 2023

The global scorecard

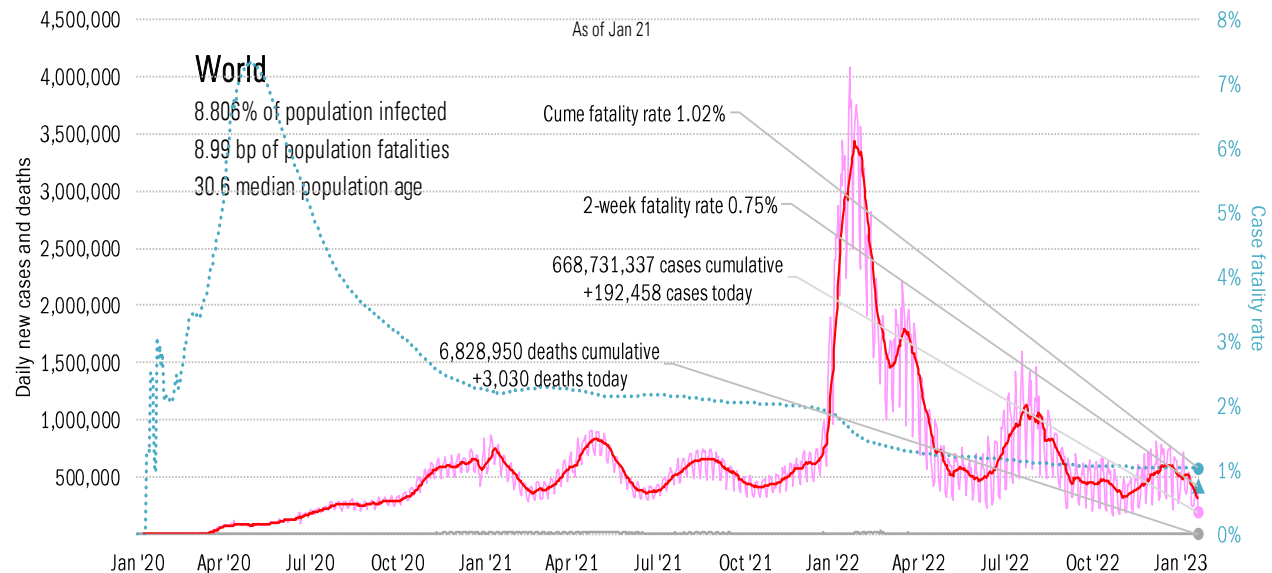
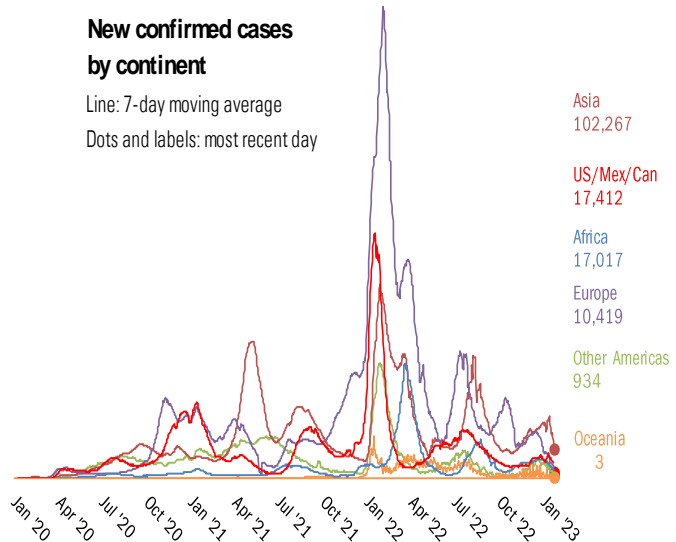
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	78,954	China	1,713
United States	42,538	United States	462
China	36,286	Japan	398
Taiwan*	21,074	Germany	118
Korea, South	16,624	Italy	71
Germany	8,866	Australia	69
Italy	7,413	Brazil	66
Russia	5,947	Spain	61
Brazil	4,650	Sweden	54
France	4,475	France	44
226,826		3,055	

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

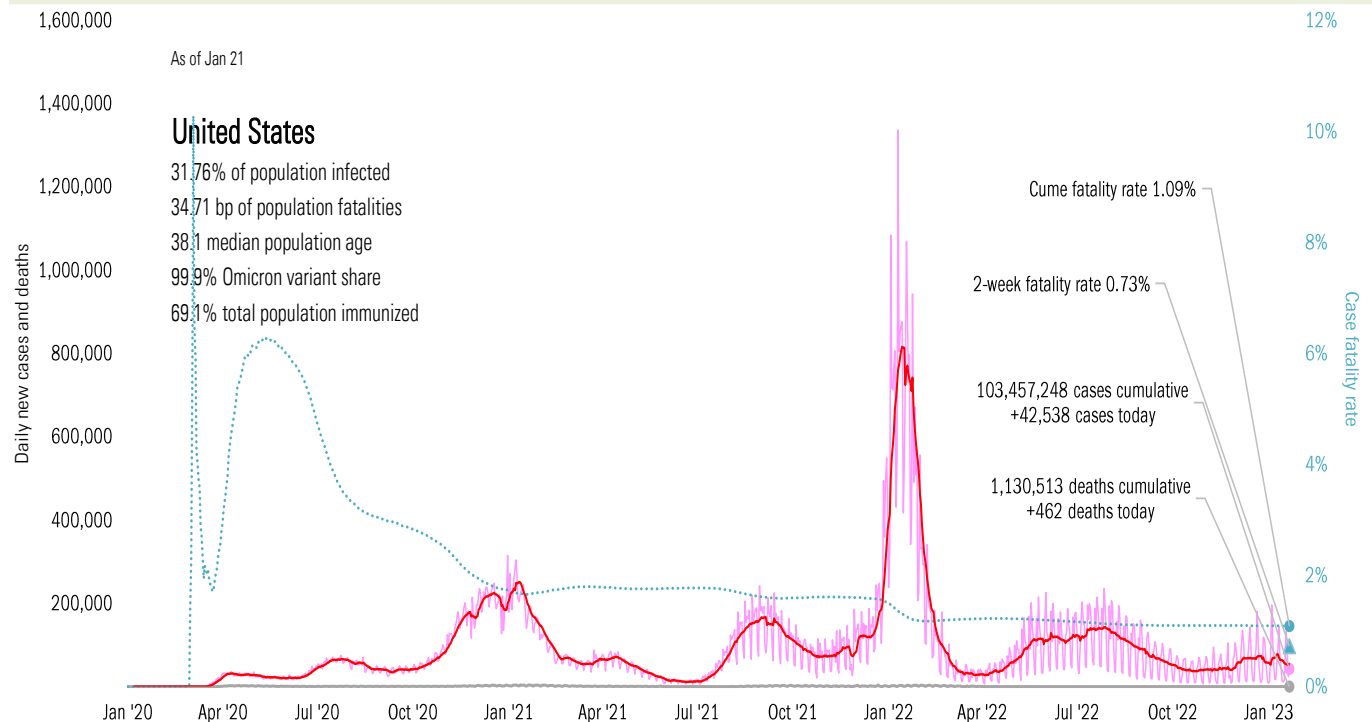
The ten worst US states

New cases		New deaths		New in hospital		Cum cases		Cum deaths		Cum in hospital		Hospital use		ICU use							
FL	7,177	CO	51	OK	78	CA	11,957,408	CA	99,685	TX	578,560	RI	91%	NH	90%						
CA	4,725	TN	33	IN	93	TX	8,329,536	TX	92,367	CA	553,926	DE	87%	TX	89%						
NJ	2,614	MI	26	CO	57	FL	7,443,954	FL	84,927	FL	522,955	MA	87%	AL	86%						
NC	2,249	NY	21	IA	38	NY	6,674,006	NY	75,945	NY	344,884	MO	86%	NC	86%						
TX	1,947	MA	21	NJ	218	IL	4,008,844	PA	49,397	CH	239,816	MN	85%	RI	86%						
NY	1,781	VA	20	FL	400	PA	3,458,136	GA	41,772	GA	238,072	MD	85%	DC	85%						
VA	1,508	IL	19	PA	195	NC	3,398,161	CH	41,249	PA	224,643	DC	85%	OK	84%						
PA	1,470	PA	19	HI	25	CH	3,339,612	MI	41,185	IL	208,469	NH	83%	LA	84%						
MI	1,376	AZ	18	MD	103	GA	3,020,166	IL	40,980	MI	177,710	NC	83%	GA	83%						
MA	1,200	TX	18	KY	56	MI	3,017,948	NJ	35,725	NJ	158,018	SC	83%	MA	83%						
26,047		247		1,263		54,647,771		603,232		3,247,053											
All states		42,538		462		4,501		All states		103,457,248		1,130,513		5,889,016		All states		70%		67%	
Top ten		61%		54%		28%		Top ten		54%		55%		55%		Median		78%		77%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-296	MD	-9	NY	-94
AR	-203	NH	-3	CA	-89
ME	-30	CT	-2	MA	-37
AK	0	MO	-2	CT	-32
AL	0	TX	-2	RI	-21

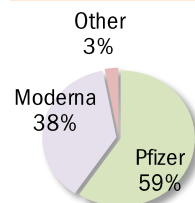


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	684,488,377		+0.192 million		US	69.1%	80.9%
			Of which boosters: +0.157 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	France	78.4%	80.6%
Total population	277,177,672	83%	236,331,846	71%	Spain	85.6%	86.9%
Age 12 to 17	18,436,781	73%	15,783,816	62%	Germany	76.2%	77.8%
Age 18 to 64	184,313,168	91%	156,693,936	77%	Italy	81.3%	86.2%
Age 65 and over	60,998,716	100%	53,444,575	98%	Australia	82.7%	84.9%
					Israel	65.2%	71.1%
					Canada	82.6%	90.3%
					Japan	83.3%	84.4%
					Africa	28.0%	33.9%
					India	67.1%	72.5%
					Brazil	81.4%	87.8%
					China	89.5%	91.9%



AK
72.9%
65.0%

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

"Immunity" = two doses

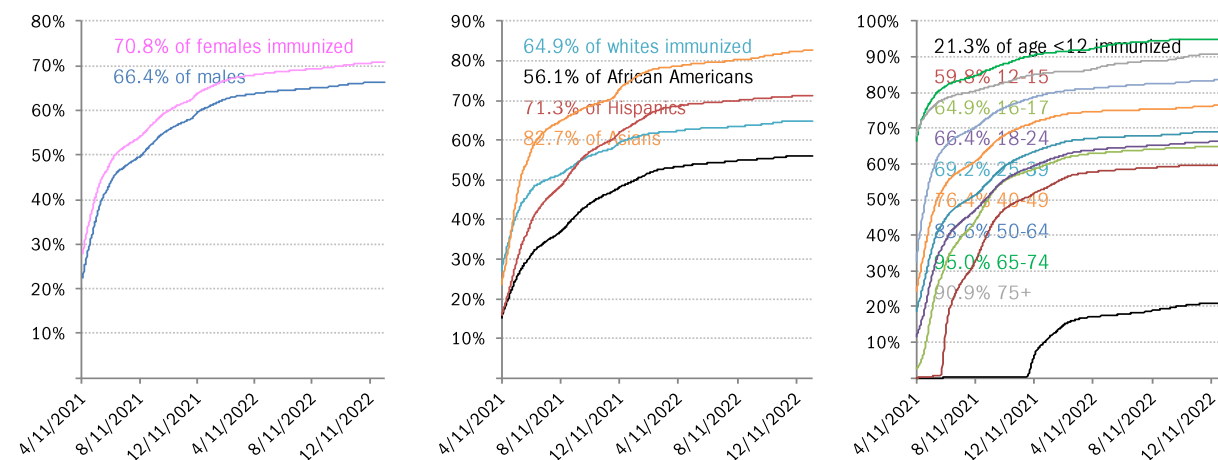
Best
Middle
Worst

As of Jan 20

					WI					ME
					75.0%					95.0%
					68.1%					83.2%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
85.1%	63.8%	68.2%	69.2%	78.6%	79.0%	69.3%		94.3%	95.0%	88.0%
75.9%	56.4%	59.1%	58.5%	72.0%	71.1%	62.2%		80.6%	85.5%	71.8%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.4%	77.5%	60.8%	83.6%	70.5%	64.3%	65.6%	90.4%	94.5%	95.0%	
72.2%	63.6%	53.0%	66.1%	64.3%	57.7%	60.4%	73.2%	79.0%	84.1%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.6%	75.1%	83.5%	73.3%	69.2%	68.7%	67.4%	90.8%	91.5%	95.0%	95.0%
74.5%	66.6%	73.3%	66.1%	58.9%	59.5%	59.6%	76.5%	79.6%	82.9%	87.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	77.3%	94.2%	76.0%	69.8%	64.3%	91.9%	70.9%	95.0%	88.0%	
	65.9%	75.0%	65.2%	56.8%	56.2%	67.0%	59.8%	90.1%	73.2%	
			OK	LA	MS	AL	GA			
			74.5%	62.7%	61.5%	64.9%	68.3%			
			60.4%	55.0%	53.6%	53.1%	57.2%			
			TX					FL		PR
			76.2%					82.3%		90.8%
			63.1%					69.3%		83.9%

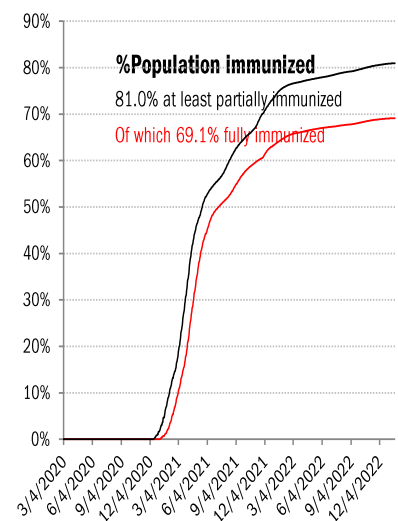
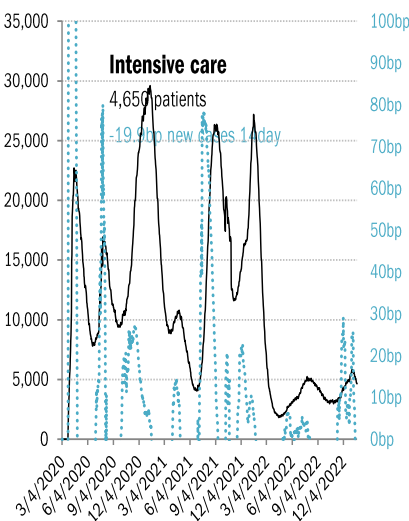
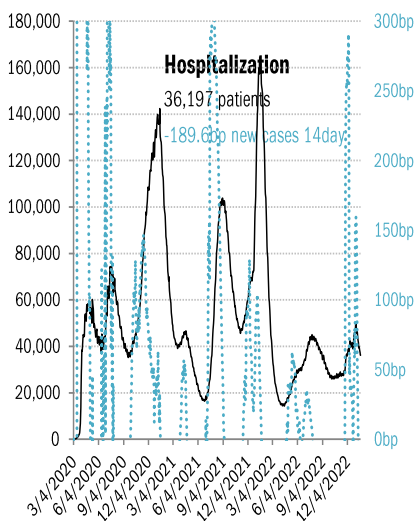
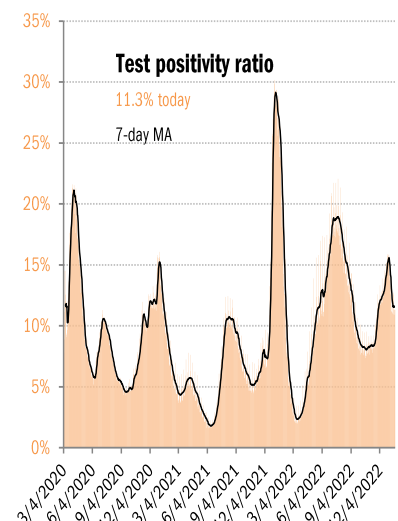
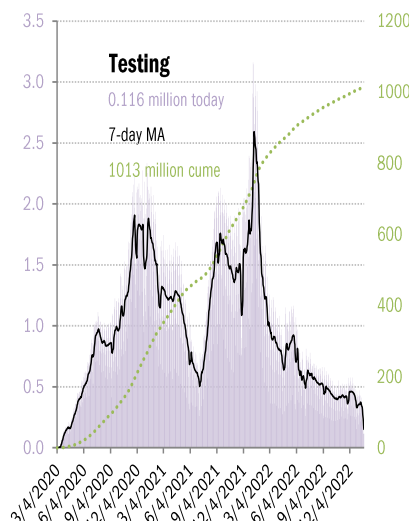
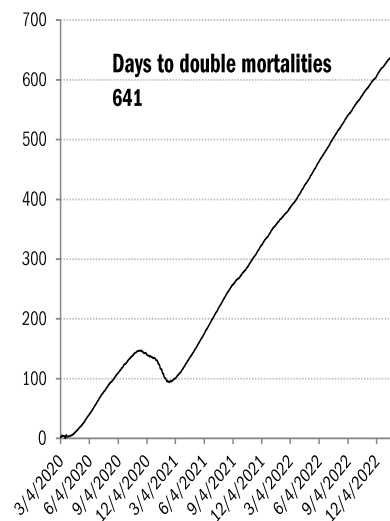
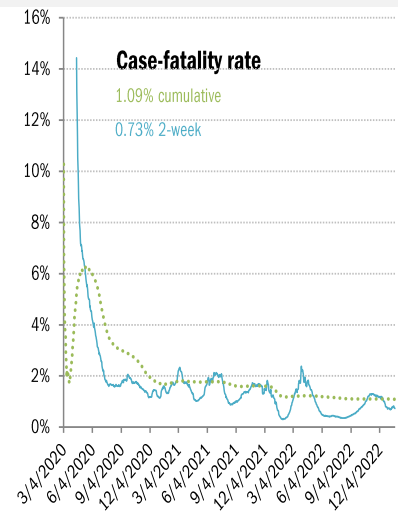
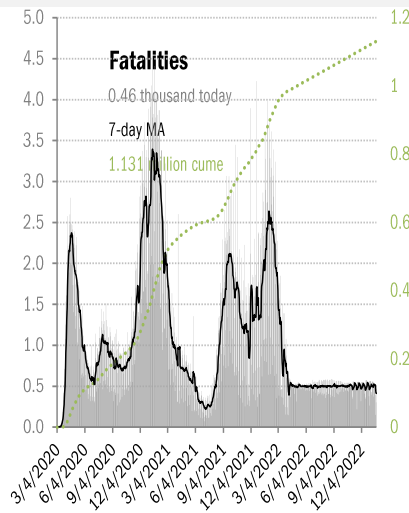
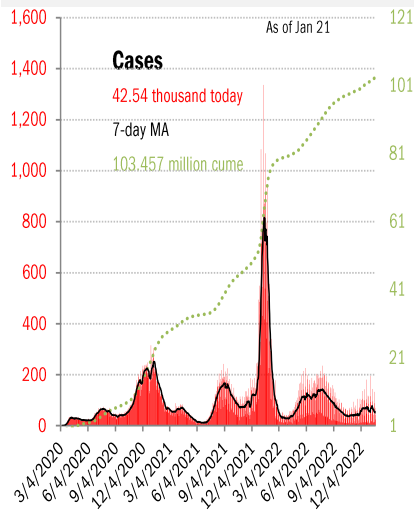
HI
91.3%
81.4%

The demographics of US vaccination



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

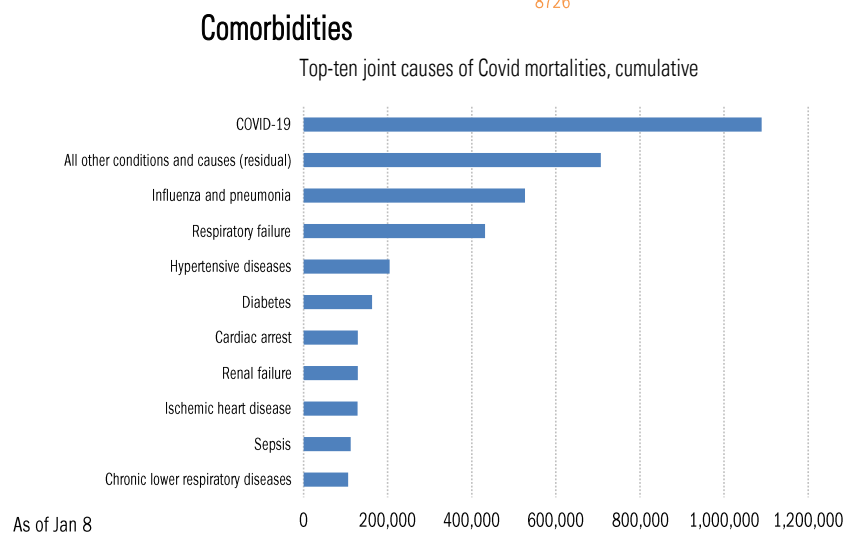
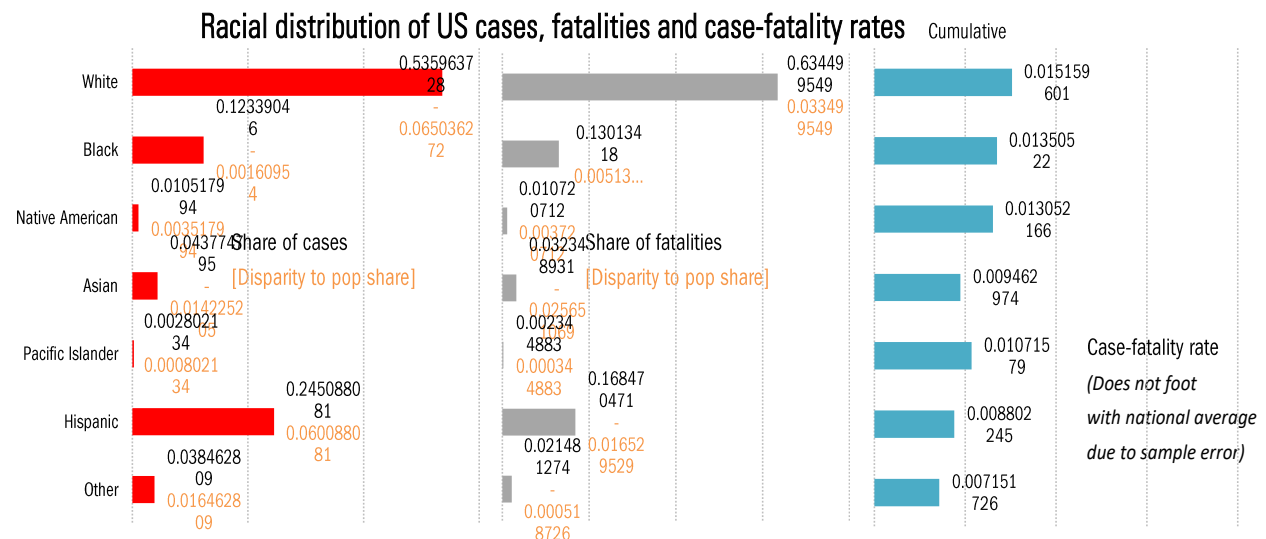
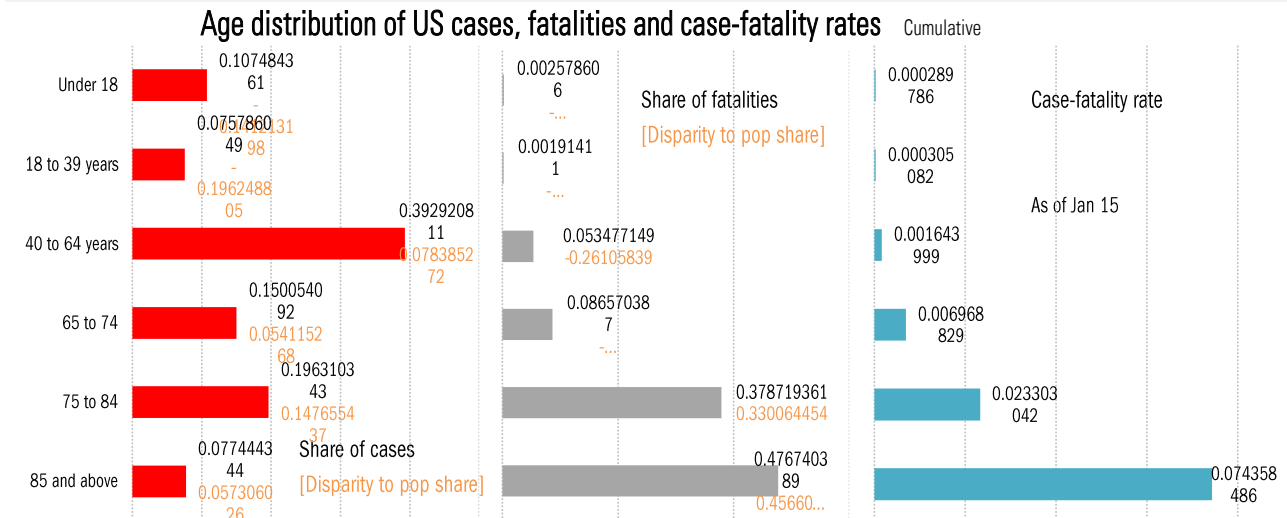
US deep-dive



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

US deep-dive: demographics of age, race and health

Updates weekly on Sunday, 1 week lag



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 These Dog Walkers Make Over \\$100,000 a Year](#)

Alyson Krueger

New York Times

January 22, 2023

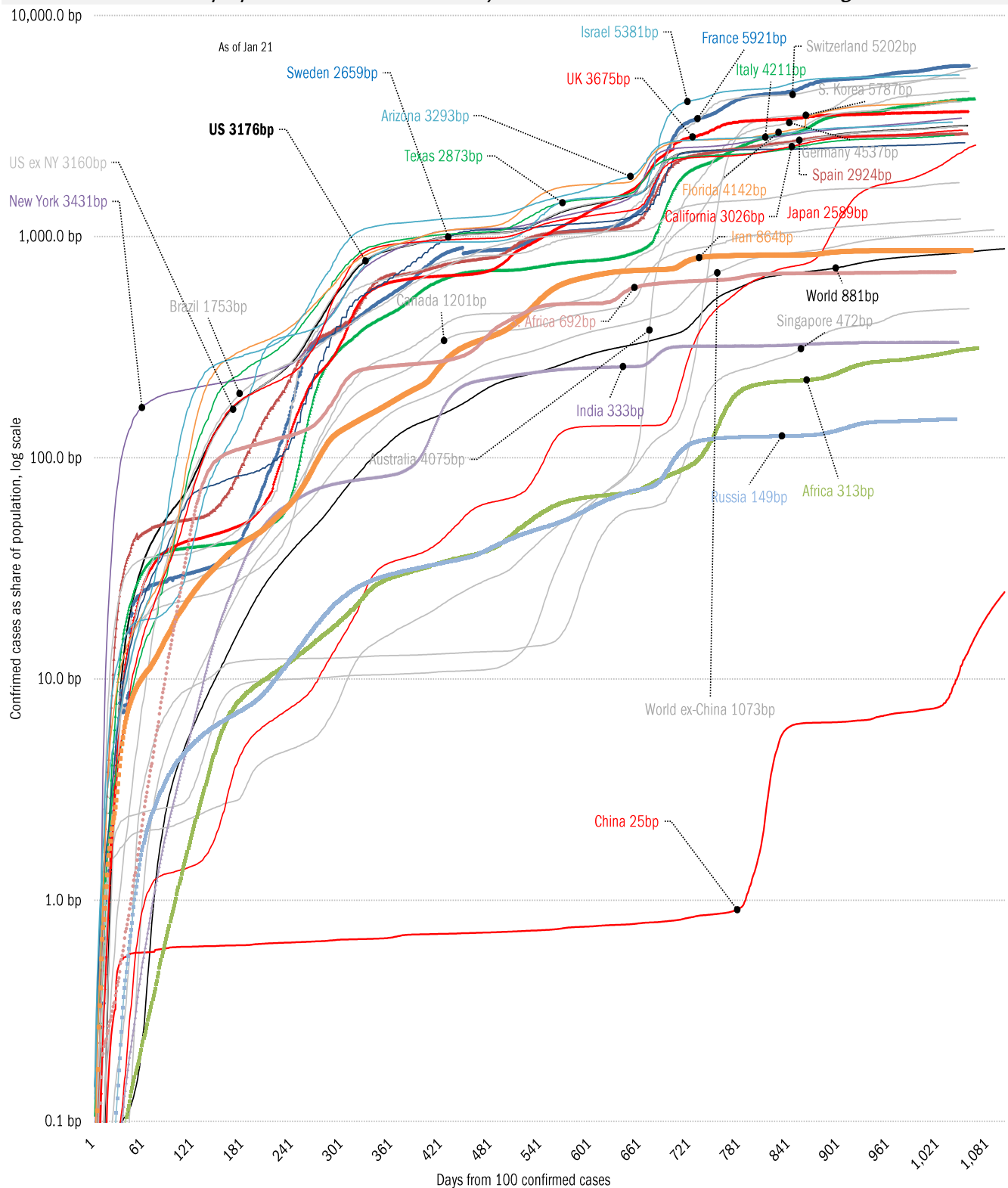
Meme of the Day



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

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

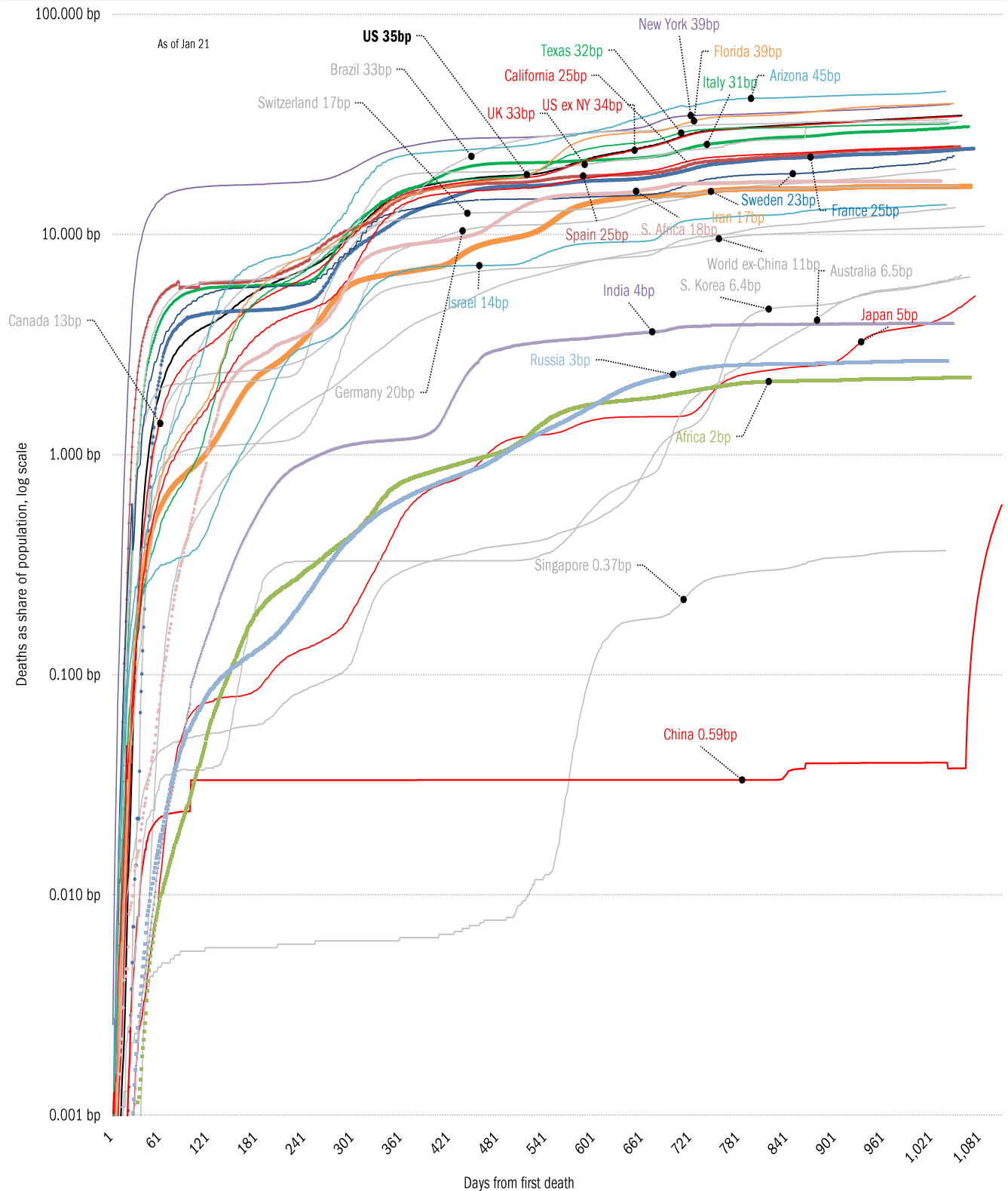
Share of infected population from first day with 100 confirmed cases, log scale



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

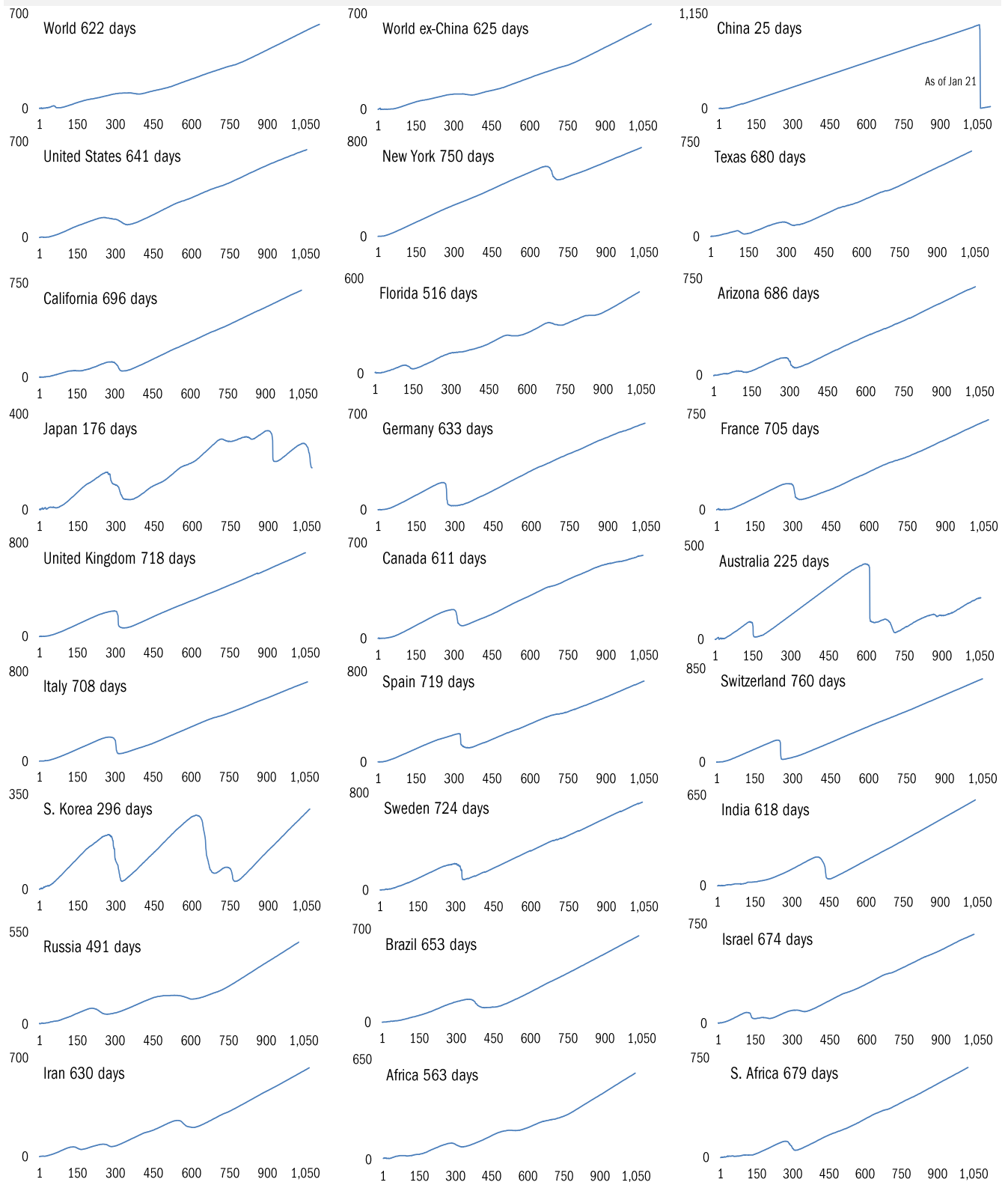


Source: [Johns Hopkins](#), TrendMacro calculations

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

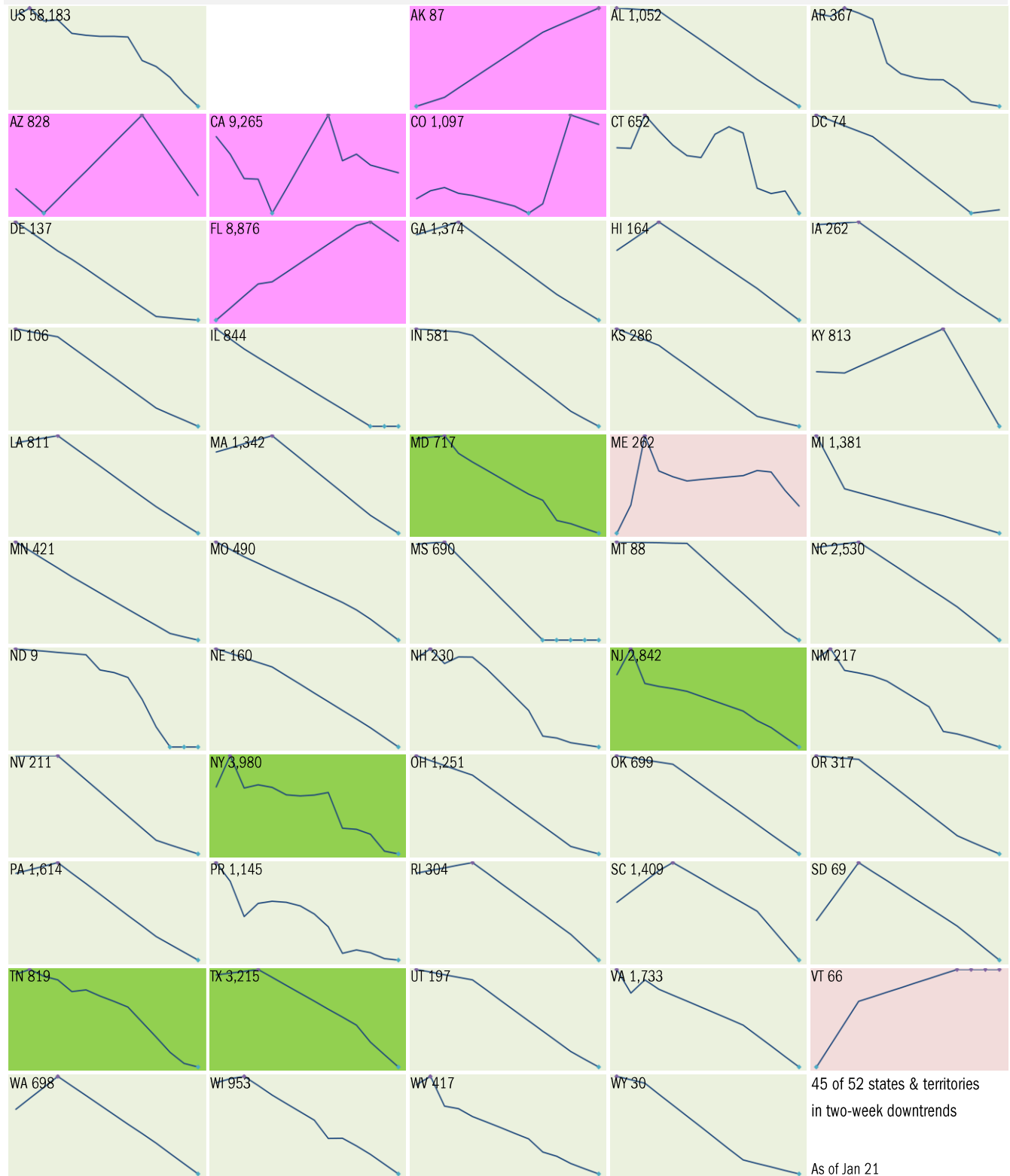


Source: [Johns Hopkins](#), TrendMacro calculations

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

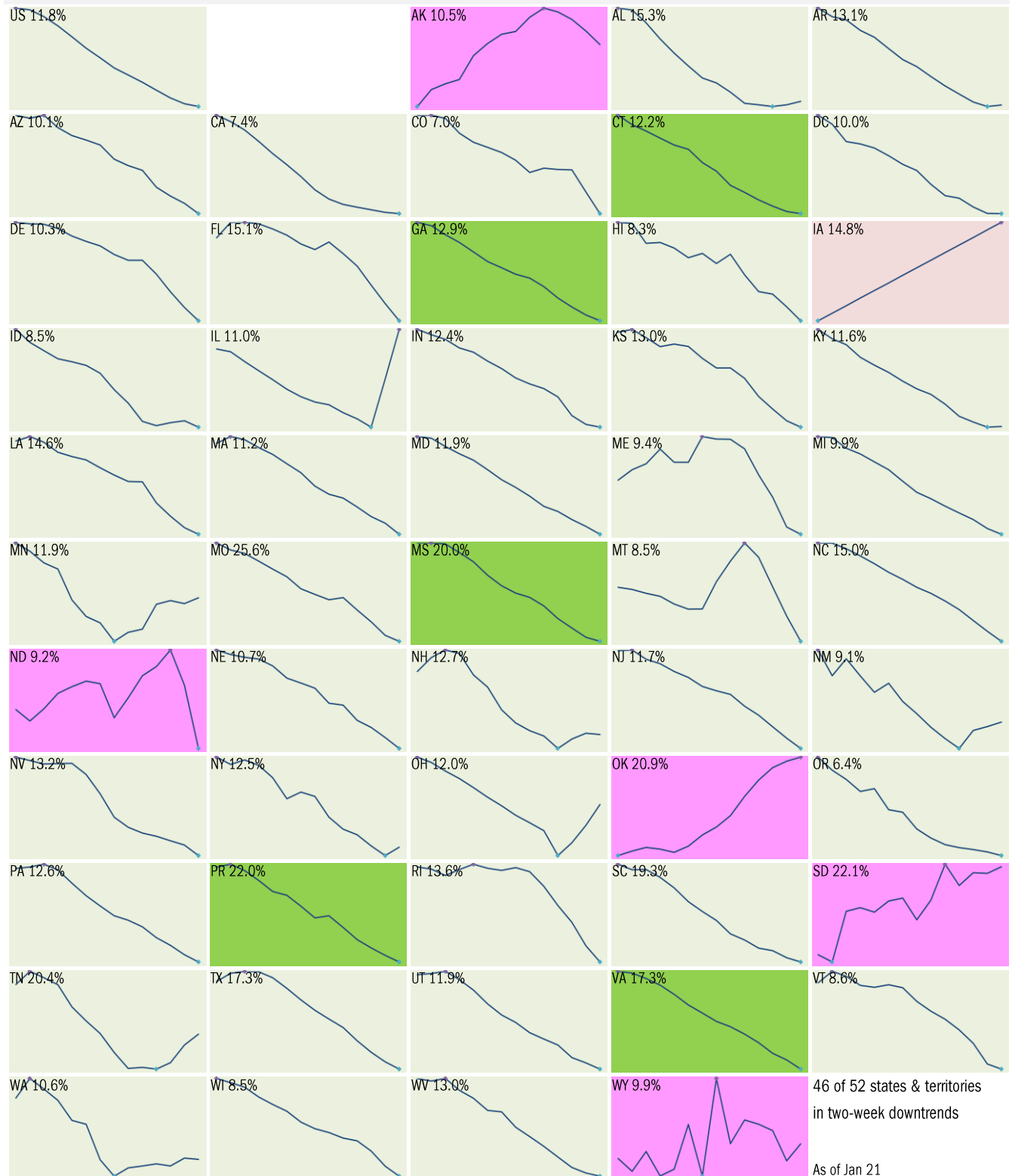


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

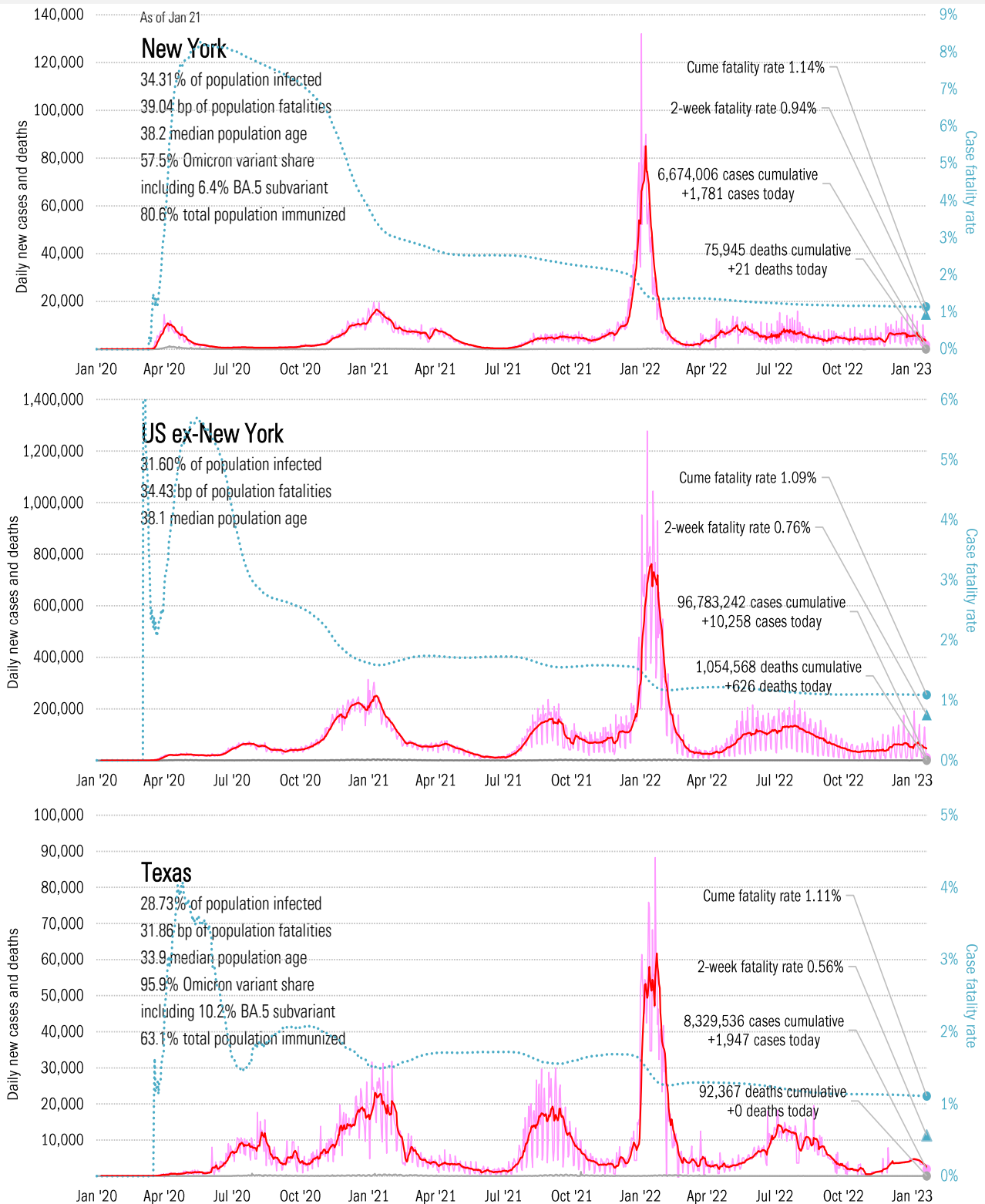
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

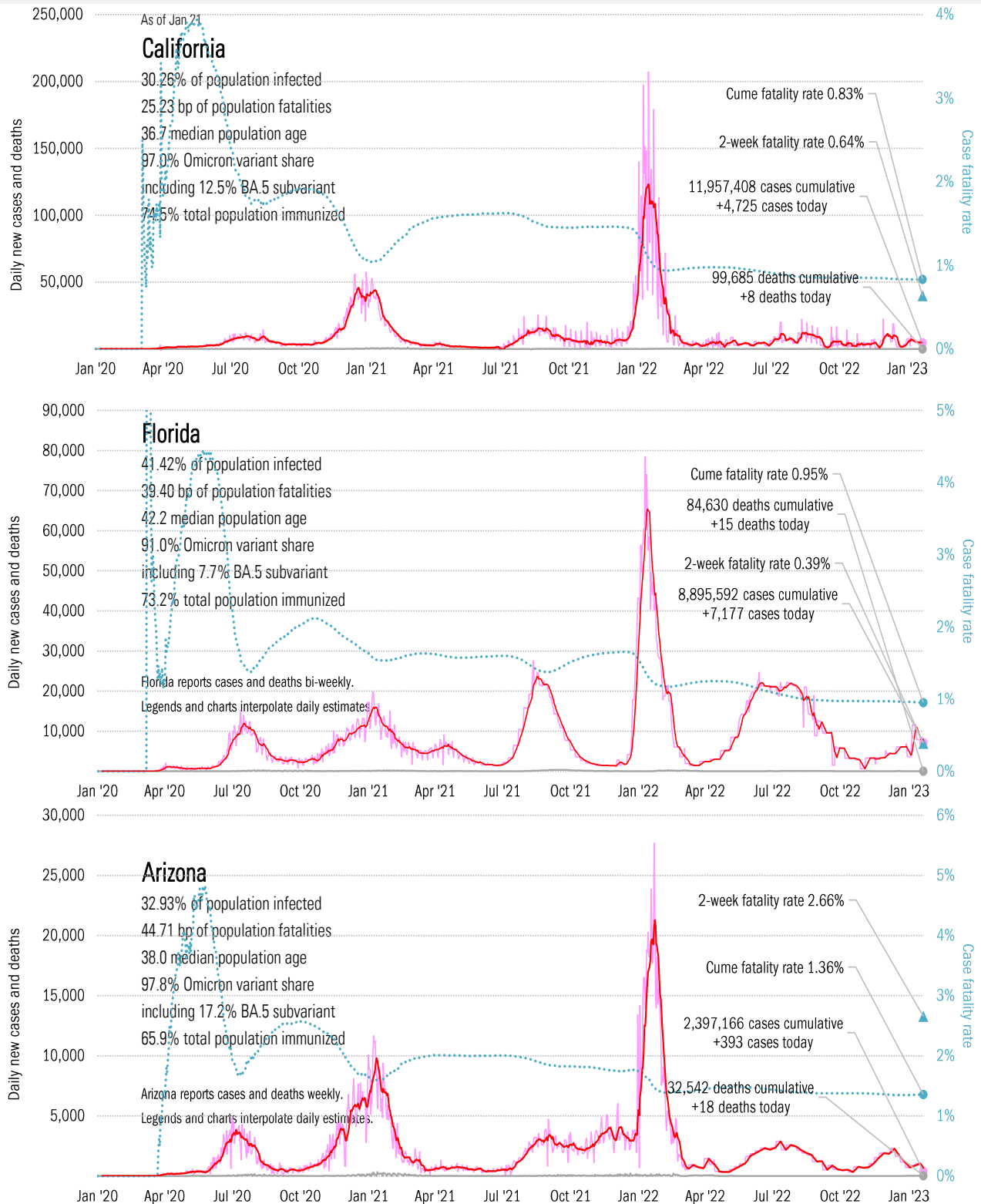
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

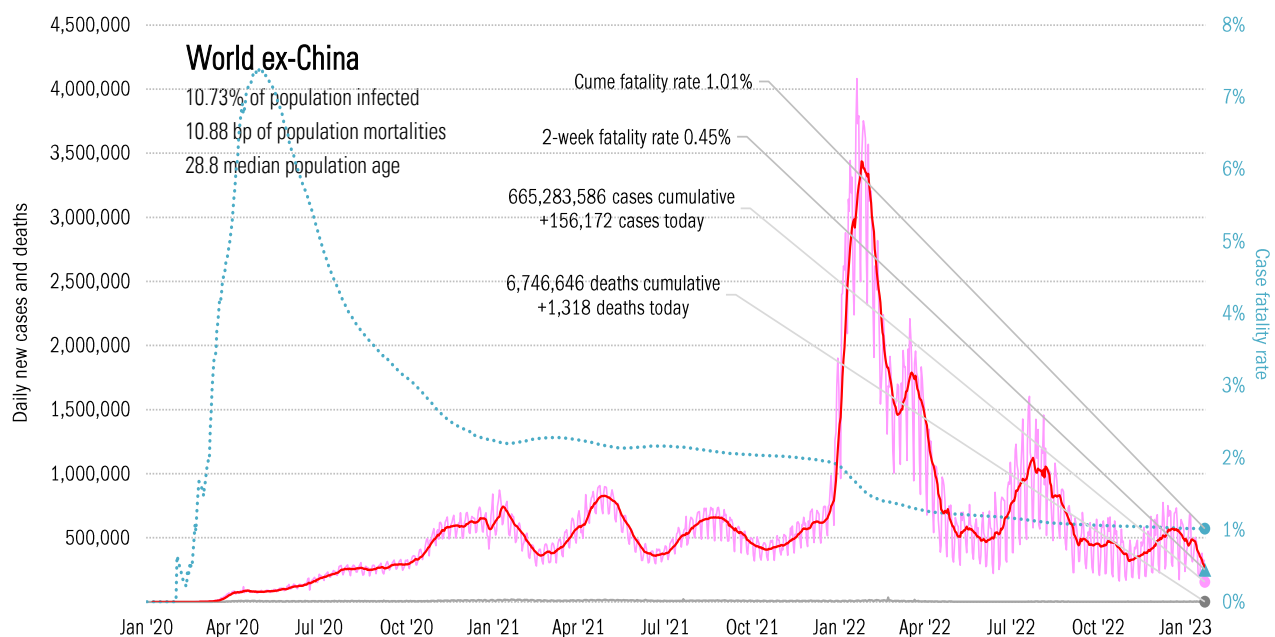
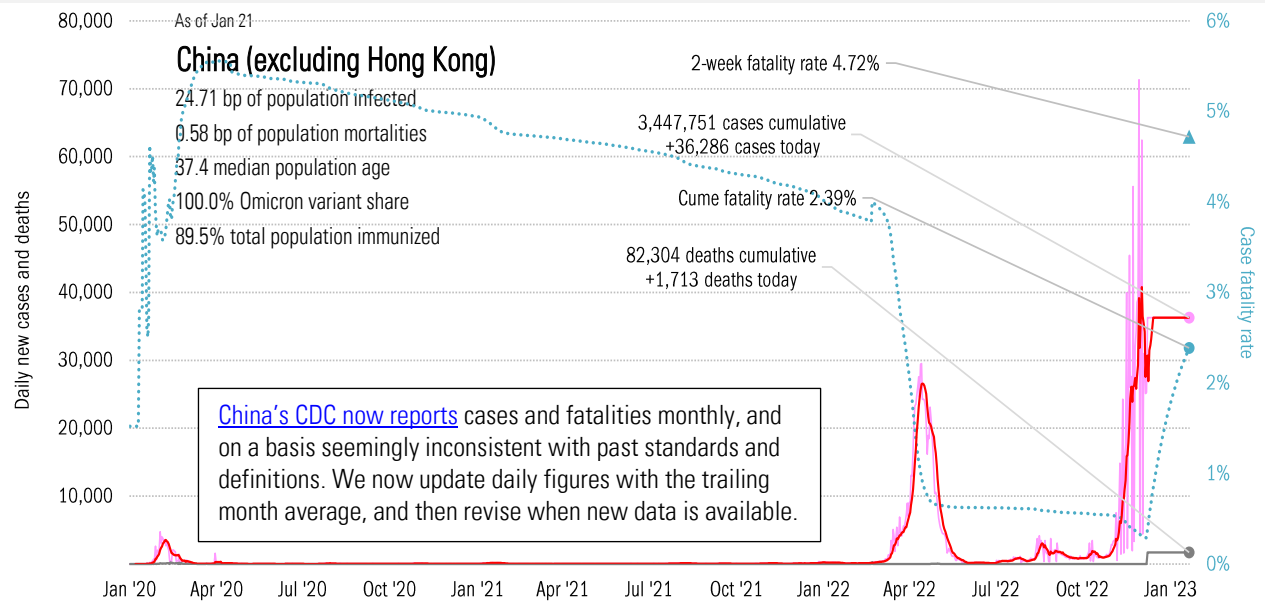
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

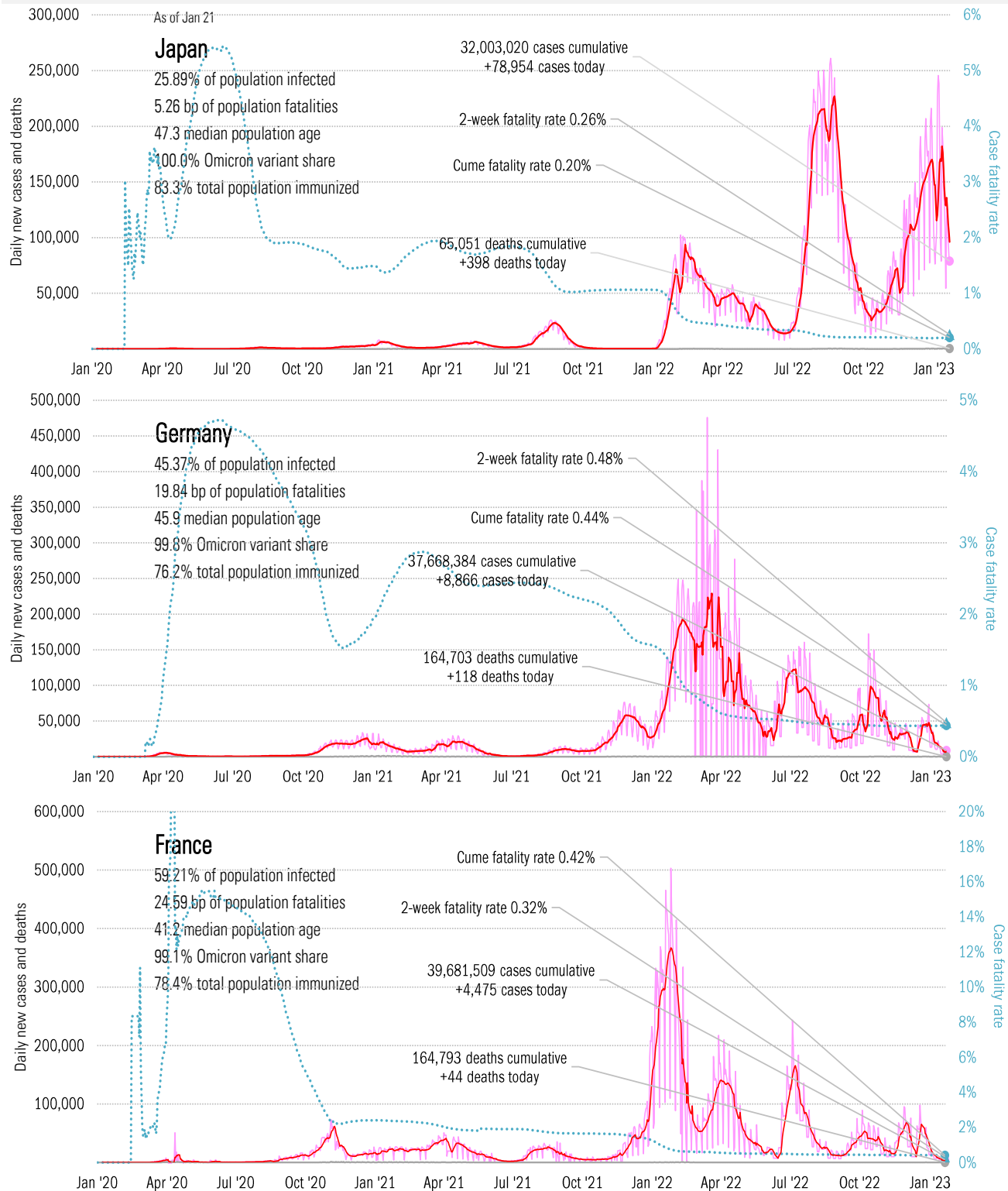
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

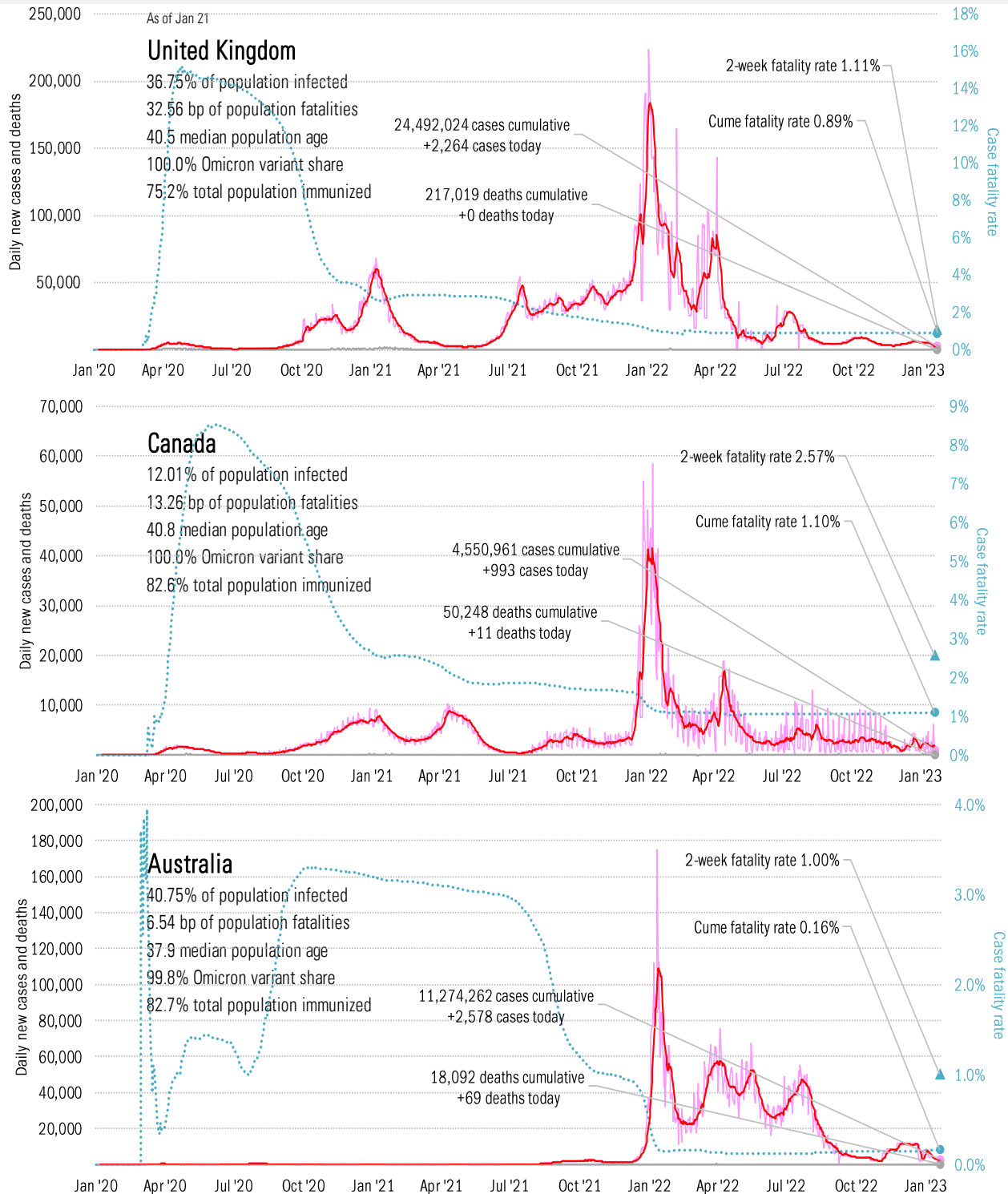
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

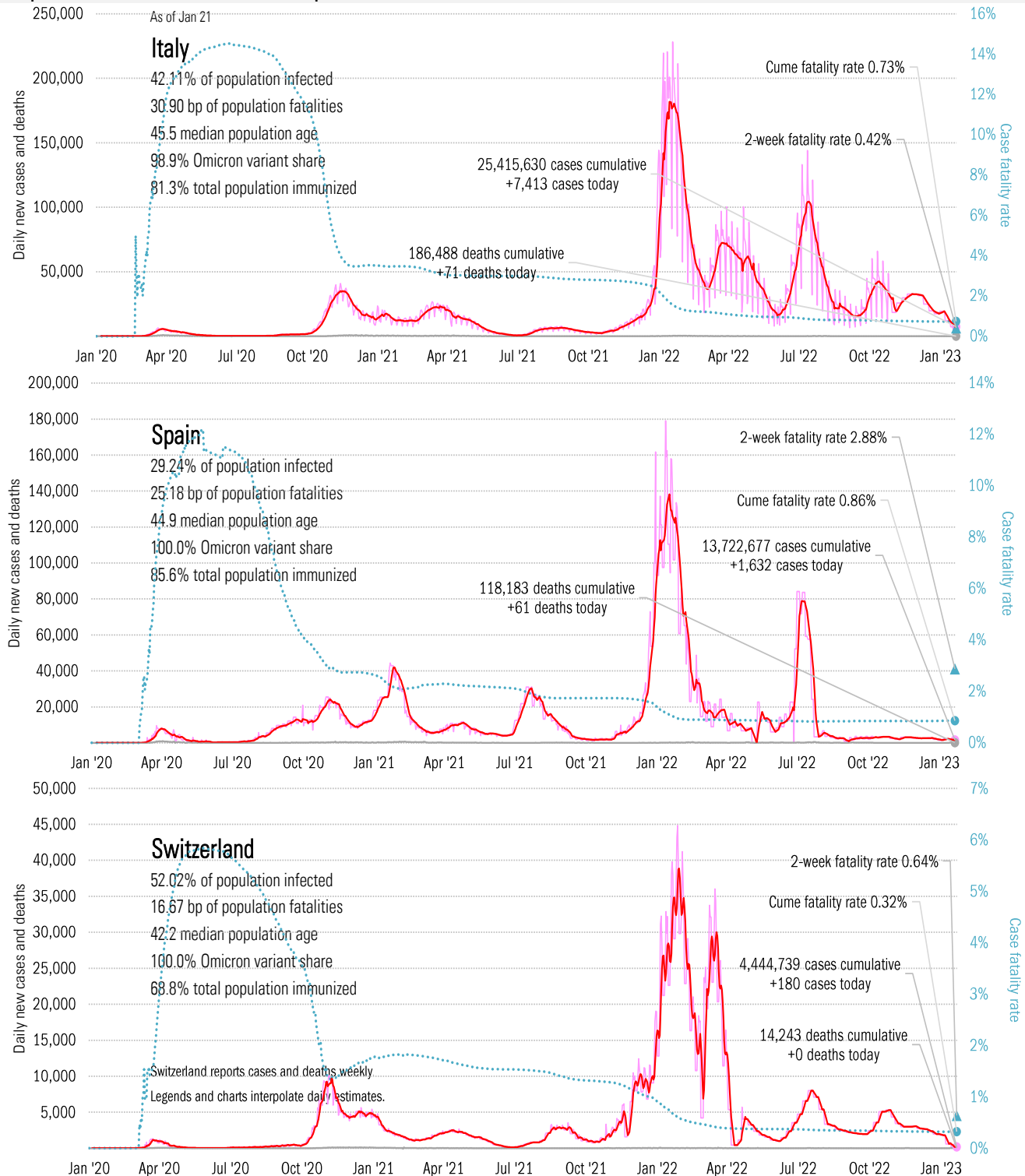
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

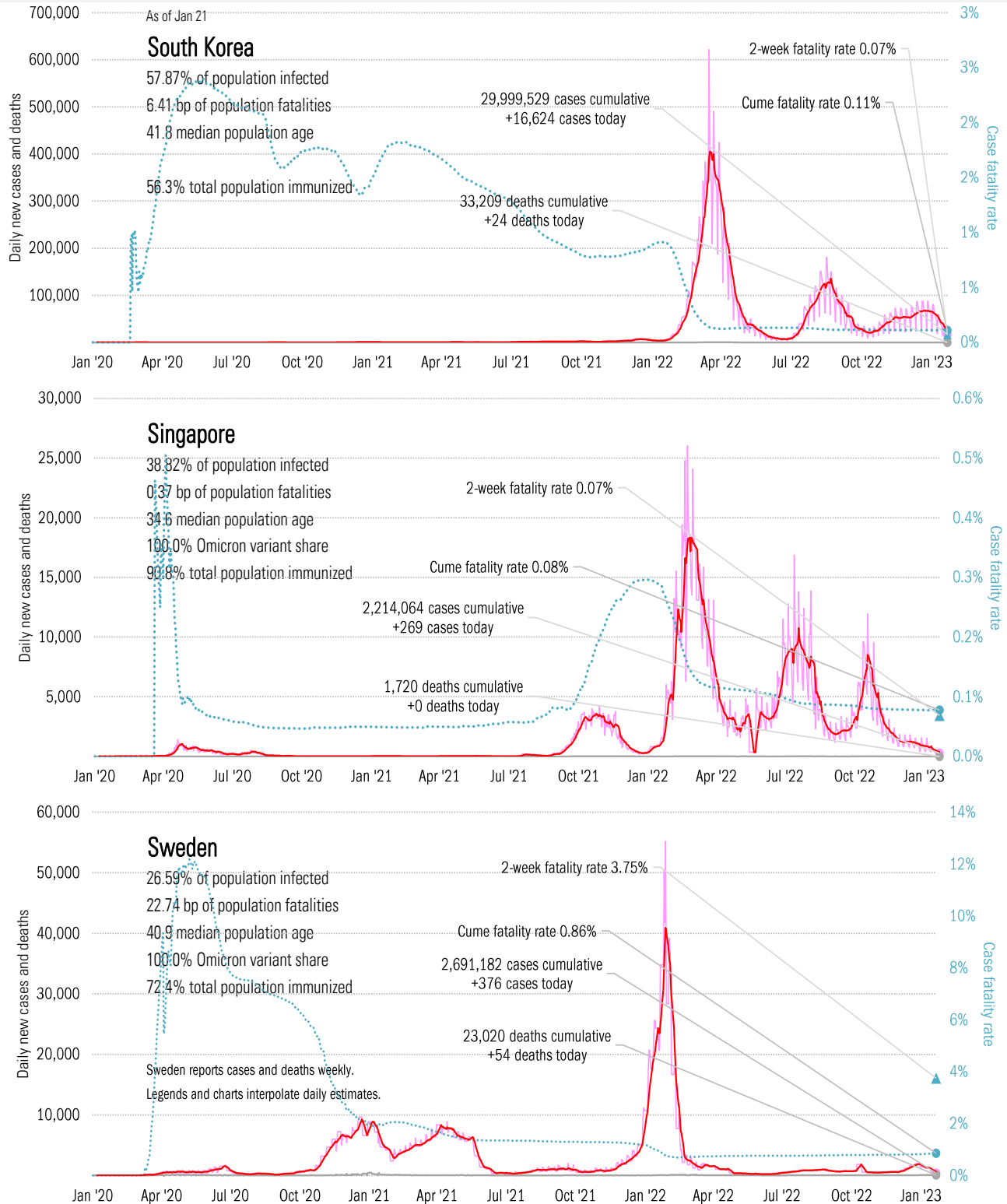
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

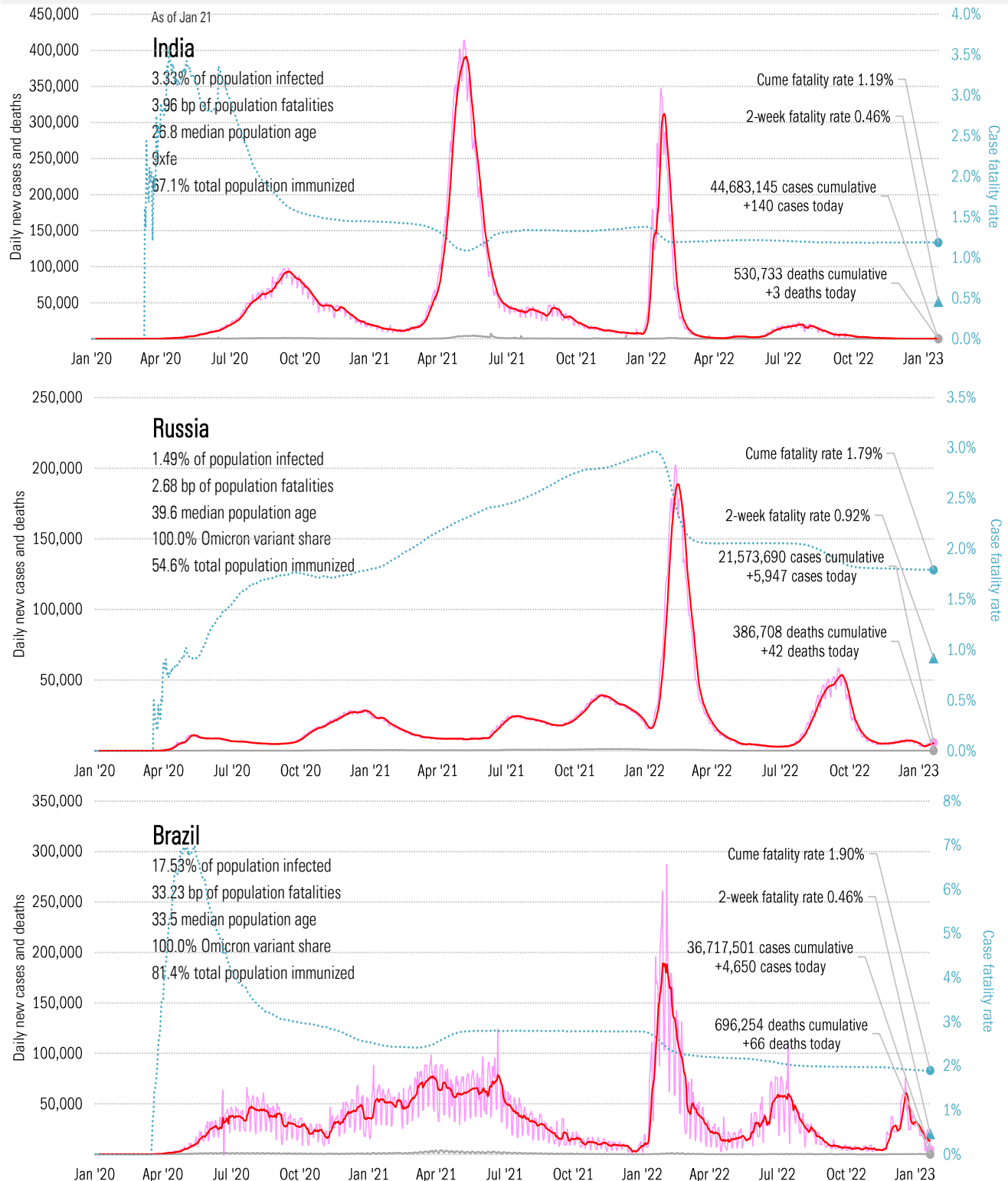
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

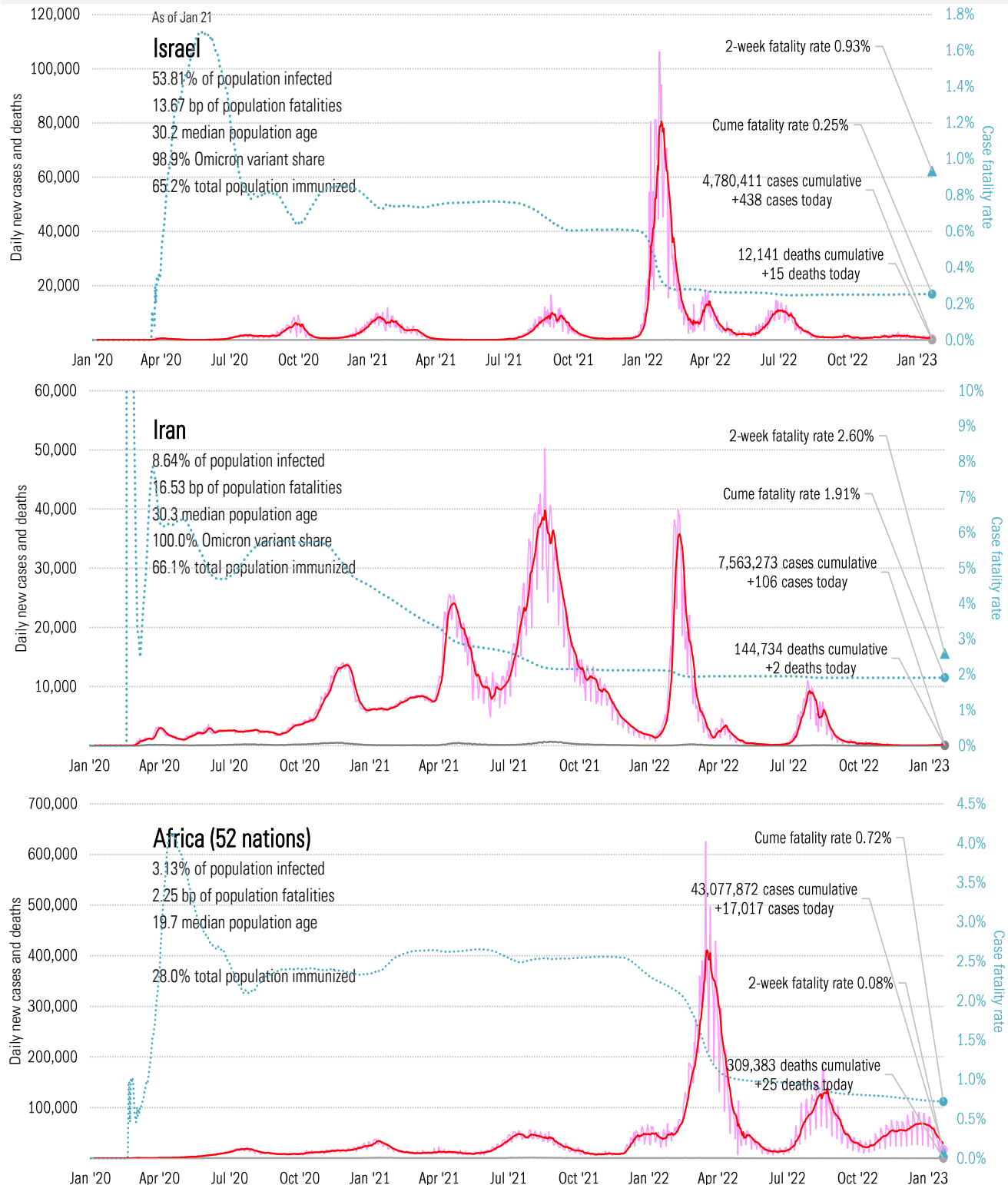
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

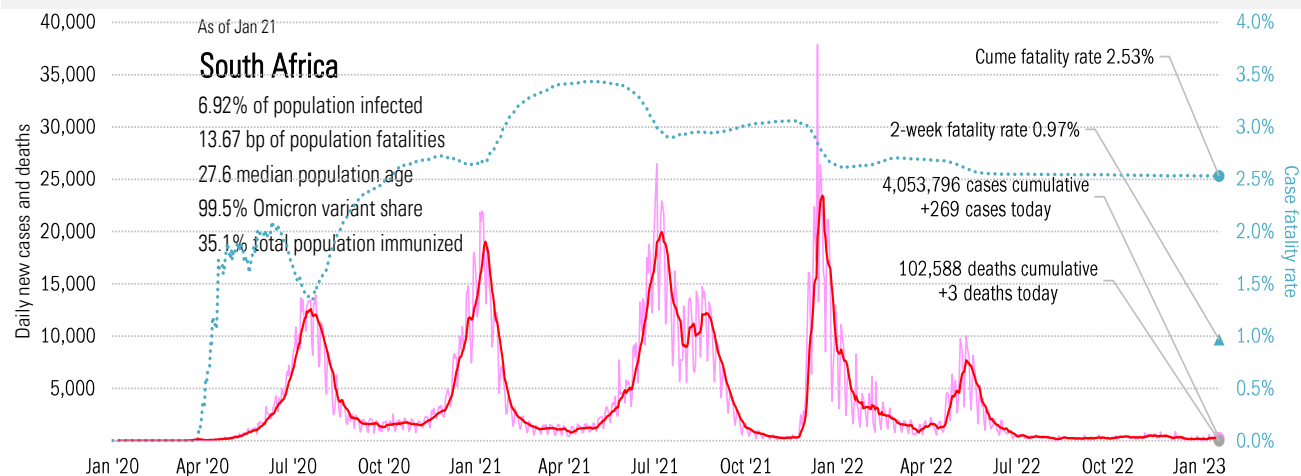
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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