

Data Insights: Covid-2019 Monitor

Thursday, January 19, 2023

The global scorecard

Cases: 7-day average and daily Deaths: Daily

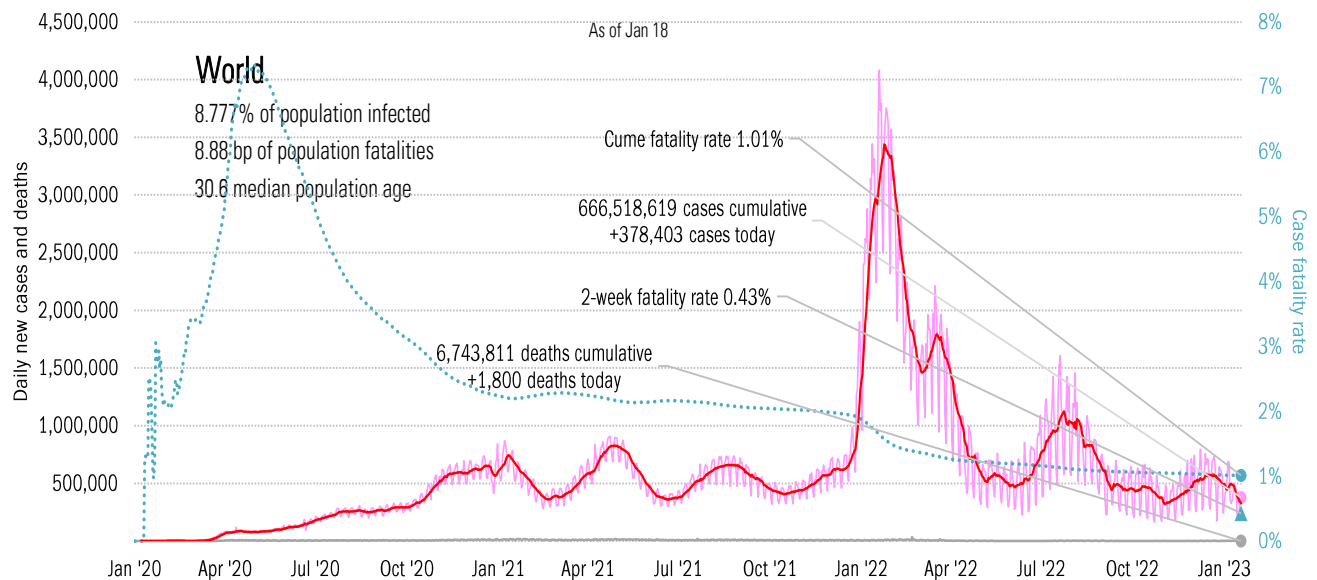
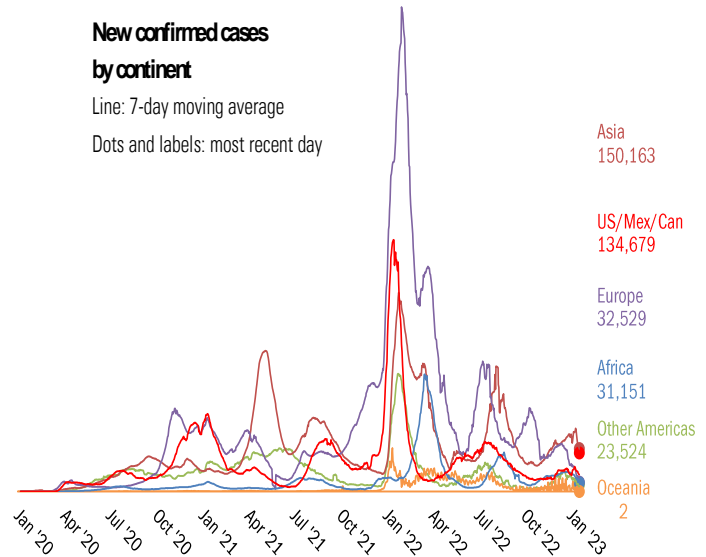
The worst ten countries

New cases		New Deaths	
Japan	125,108	United States	769
United States	97,606	Japan	449
Korea, South	29,816	Germany	238
Taiwan*	21,021	Colombia	126
China	14,248	Brazil	91
Brazil	12,425	Italy	82
Italy	12,009	France	82
Germany	12,001	Sweden	72
Australia	6,714	Hungary	51
France	5,955	Korea, South	47
336,903		2,007	

New confirmed cases by continent

Line: 7-day moving average

Dots and labels: most recent day



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

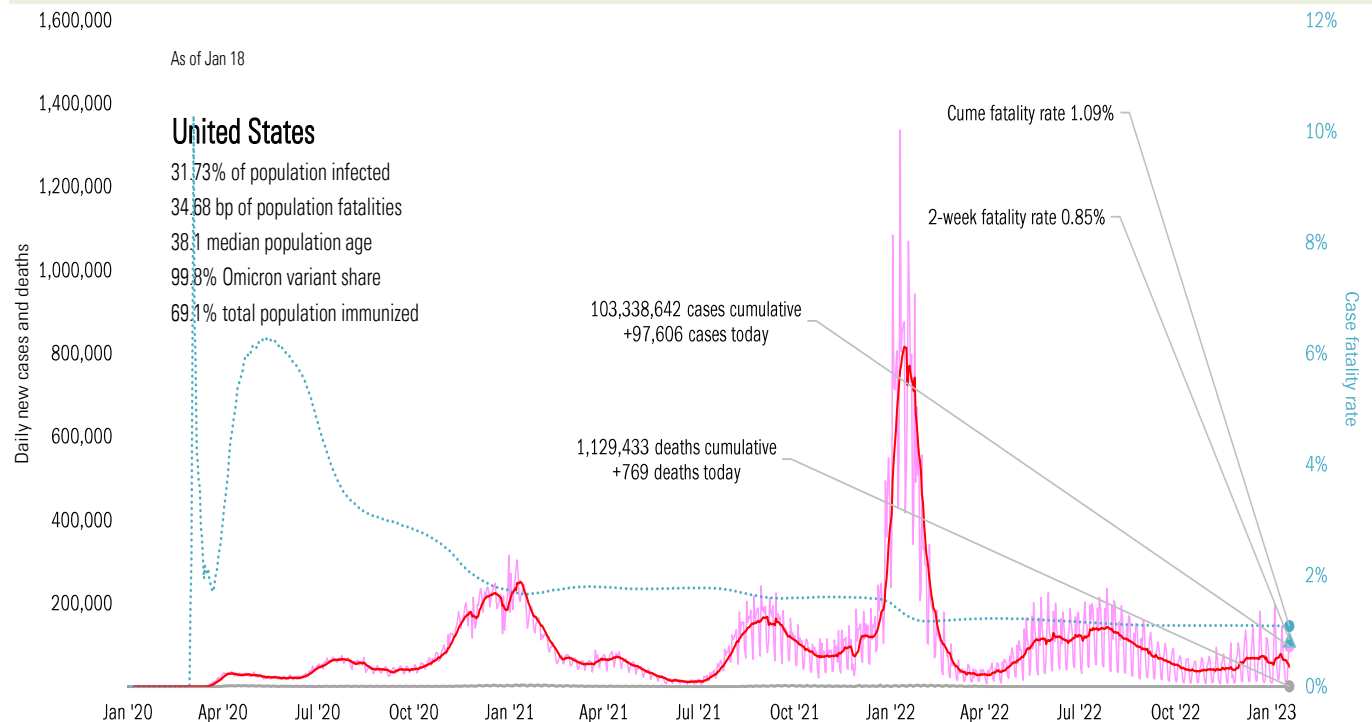
The ten worst US states

New cases		New deaths		New in hospital		Cum cases		Cum deaths		Cum in hospital		Hospital use		ICU use	
TX	22,657	NY	100	PR	28	CA	11,934,316	CA	99,422	TX	577,625	RI	90%	TX	88%
NC	15,741	IL	97	MN	63	TX	8,326,505	TX	92,363	CA	552,701	NV	88%	NC	87%
IL	10,966	CO	51	AK	13	FL	7,393,712	FL	84,176	FL	521,502	NH	86%	NH	85%
FL	7,887	MD	39	HI	17	NY	6,664,854	NY	75,913	NY	343,828	MA	85%	OK	84%
CA	4,639	MS	39	IA	45	IL	4,008,843	PA	49,397	CH	239,343	DE	85%	MA	84%
CO	3,897	MI	26	SD	6	PA	3,458,136	GA	41,772	GA	237,726	MD	84%	AL	84%
NY	3,474	MA	23	VT	8	NC	3,398,161	MI	41,185	PA	224,197	MN	84%	NV	83%
MD	2,506	FL	23	OR	34	CH	3,331,651	CH	41,139	IL	207,910	MO	84%	MS	82%
NJ	2,325	IN	20	WI	79	GA	3,020,166	IL	40,980	MI	177,456	NC	83%	RI	82%
SC	1,881	PA	19	KS	33	MI	3,017,948	NJ	35,699	NJ	157,305	DC	82%	LA	82%
75,973		438		326		54,554,292		602,046		3,239,593					
All states	97,606	769		4,512		All states	103,338,642	1,129,433		5,875,166		All states	70%	67%	
Top ten	78%	57%		7%		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	
CA	-14,791	SC	-22	TX	-173
AZ	-660	VA	-20	NJ	-60
WV	-496	AZ	-9	CT	-58
MO	-371	WY	-3	MA	-52
AK	0	WV	-2	MS	-49

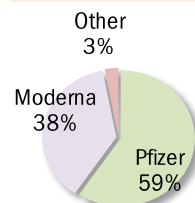


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	683,142,150		+0.210 million		US	69.1%	80.9%
			Of which boosters: +0.197 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	France	78.4%	80.6%
Total population	276,962,615	83%	236,176,717	71%	Spain	85.5%	86.9%
Age 12 to 17	18,423,808	73%	15,775,755	62%	Germany	76.2%	77.8%
Age 18 to 64	184,183,382	91%	156,609,051	77%	Italy	81.3%	86.2%
Age 65 and over	60,964,171	100%	53,416,192	97%	Australia	82.7%	84.9%
					Israel	65.2%	71.1%
					Canada	82.6%	90.2%
					Japan	83.2%	84.4%
					Africa	27.6%	33.6%
					India	67.1%	72.5%
					Brazil	81.4%	87.7%
					China	89.4%	91.7%



AK
72.8%
65.0%

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

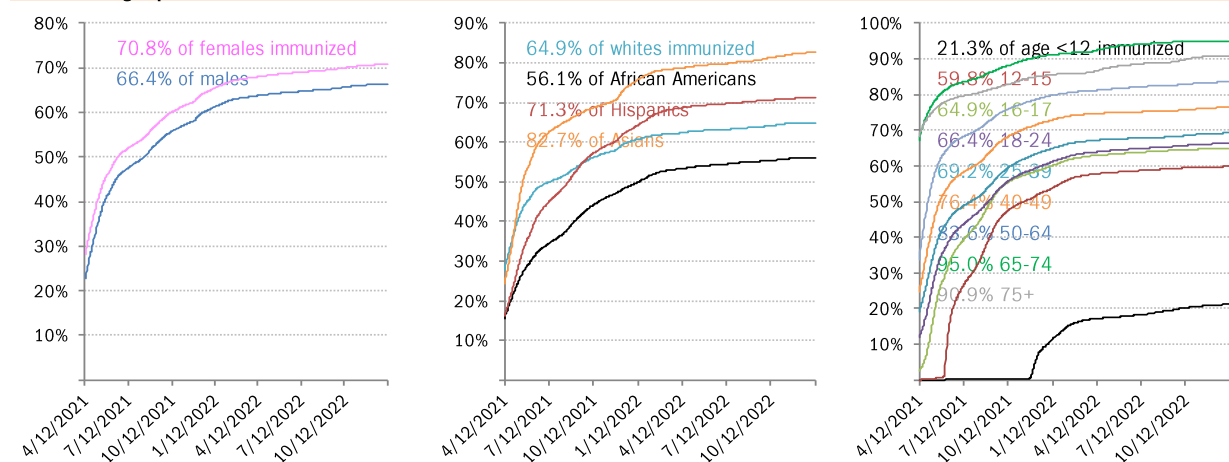
"Immunity" = two doses

Best
Middle
Worst

As of Jan 13

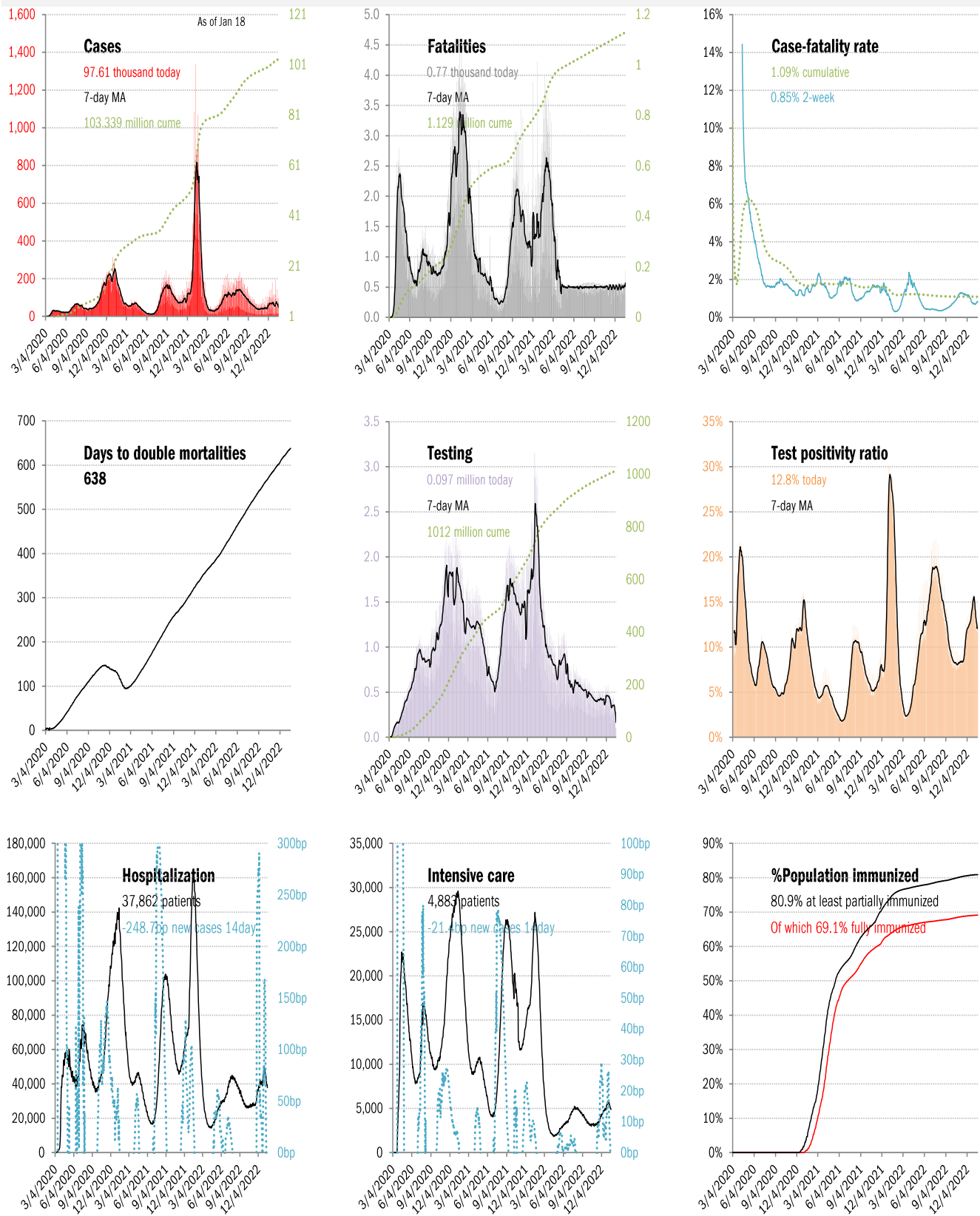
					WI					ME
					75.0%					95.0%
					68.0%					83.1%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
85.0%	63.8%	68.1%	69.2%	78.6%	79.0%	69.3%		94.2%	95.0%	87.5%
75.8%	56.3%	59.0%	58.5%	72.0%	71.1%	62.2%		80.6%	85.4%	71.5%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.4%	77.4%	60.8%	83.5%	70.5%	64.2%	65.6%	90.3%	94.4%	95.0%	
72.2%	63.6%	53.0%	66.0%	64.2%	57.6%	60.3%	73.1%	78.9%	84.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.4%	75.0%	83.4%	73.2%	69.2%	68.7%	67.4%	90.7%	91.5%	95.0%	95.0%
74.5%	66.5%	73.3%	66.1%	58.9%	59.5%	59.6%	76.4%	79.5%	82.9%	87.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	77.2%	94.1%	76.0%	69.7%	64.3%	91.8%	70.8%	95.0%	88.0%	
	65.9%	75.0%	65.1%	56.8%	56.2%	66.9%	59.8%	89.9%	73.1%	
			OK	LA	MS	AL	GA			
			74.4%	62.7%	61.5%	64.9%	68.2%			
			60.3%	54.9%	53.6%	53.1%	57.1%			
			TX					FL		PR
			76.2%					82.3%		90.8%
			63.1%					69.3%		83.9%

The demographics of US vaccination

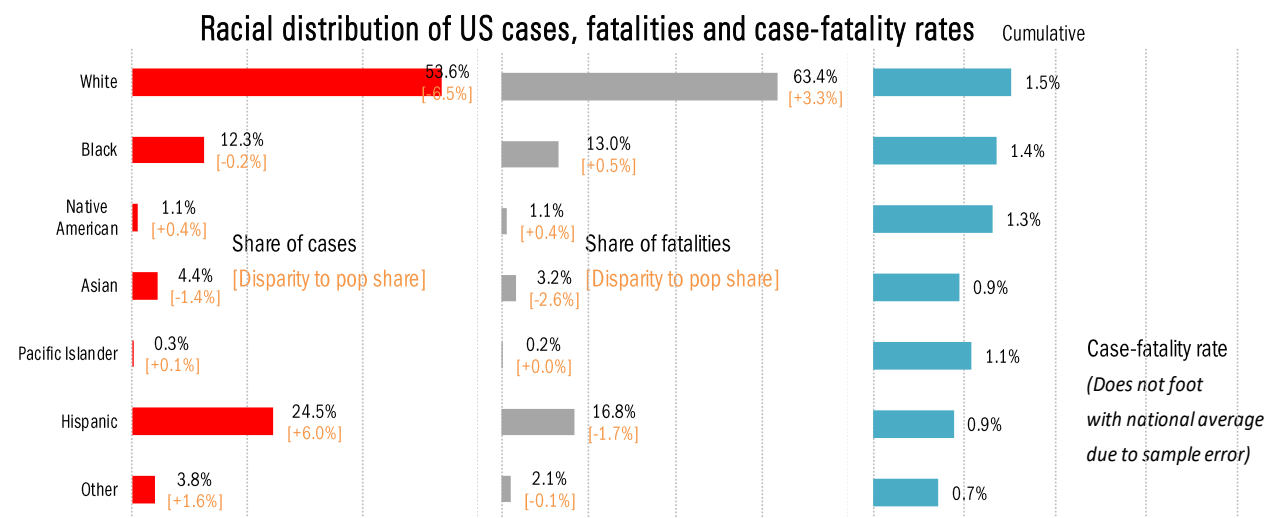
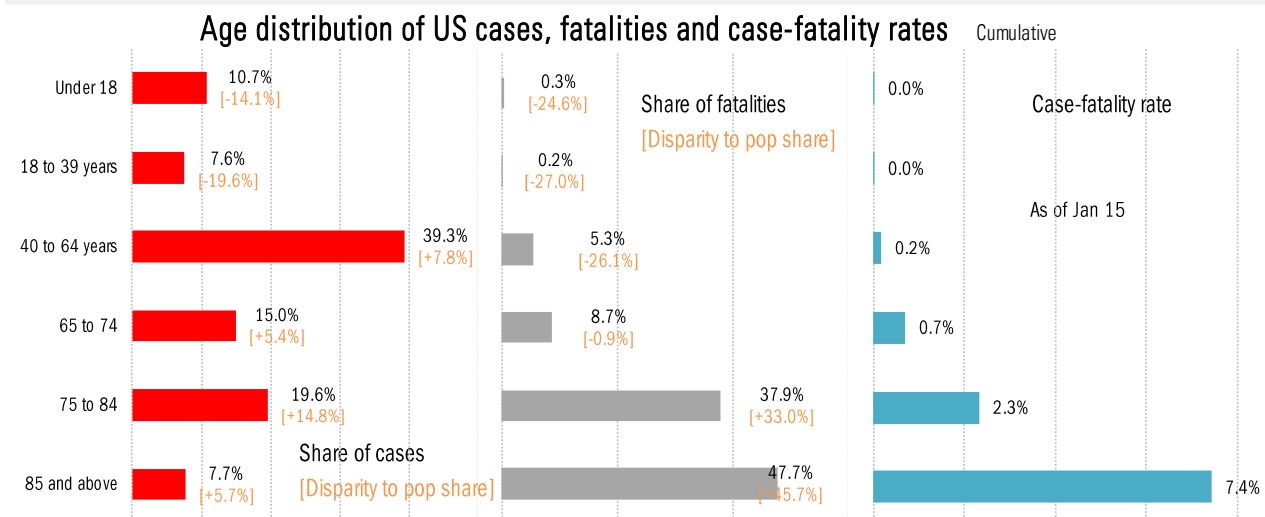


Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

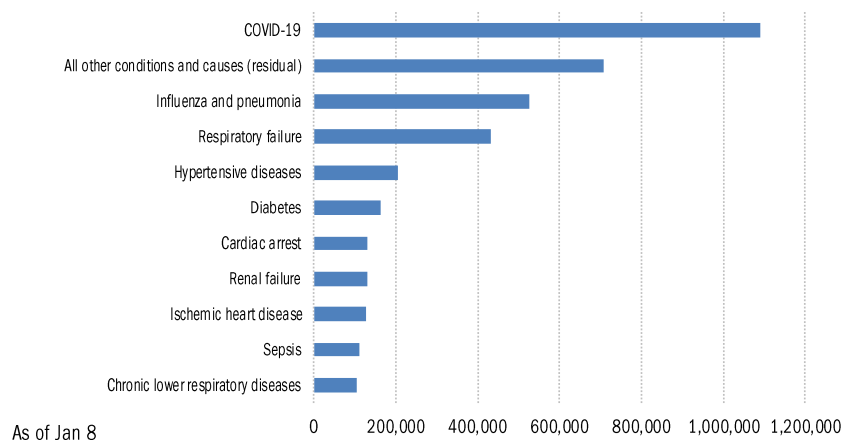


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



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

[Chinese who lost relatives to COVID angry at failure to protect elderly](#)

Martin Quin Pollard

Reuters

January 18, 2023

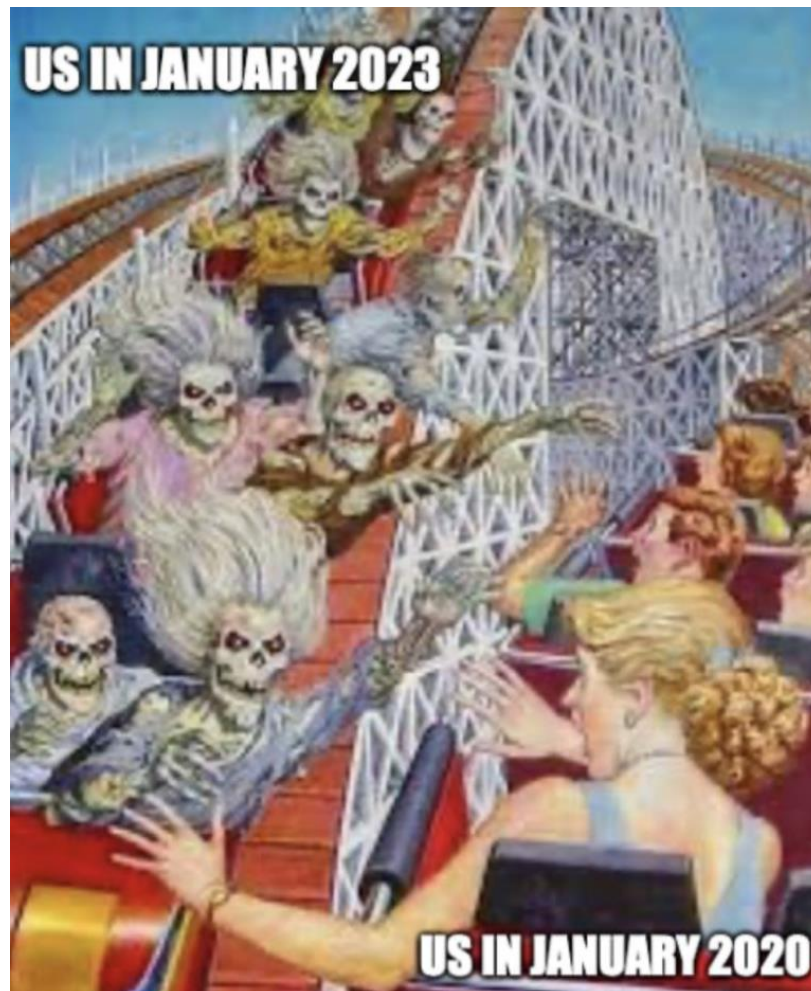
[WHO appeals to China to release more COVID-19 information](#)

Joe McDonald

AP

January 15, 2023

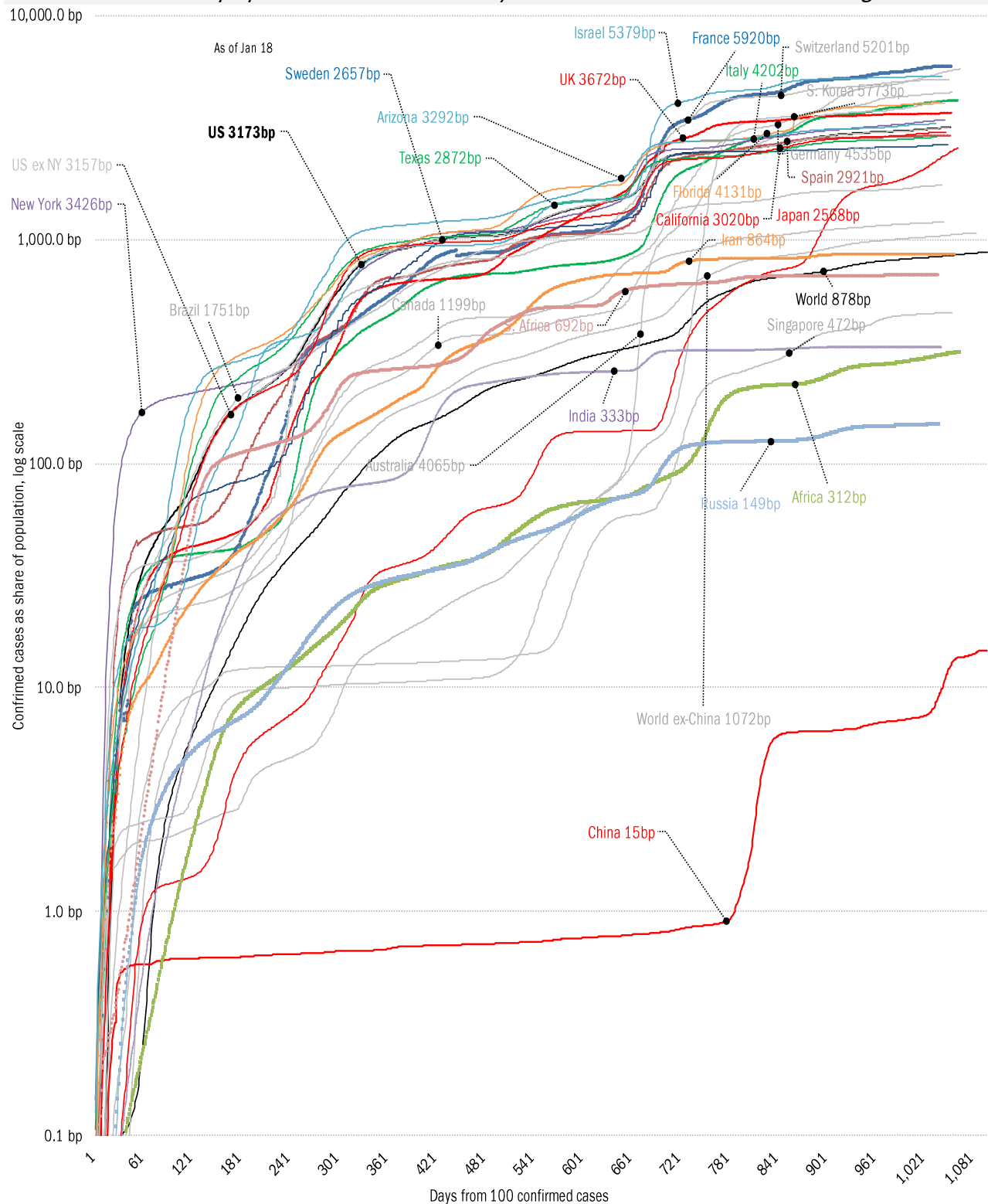
Meme of the Day



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

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

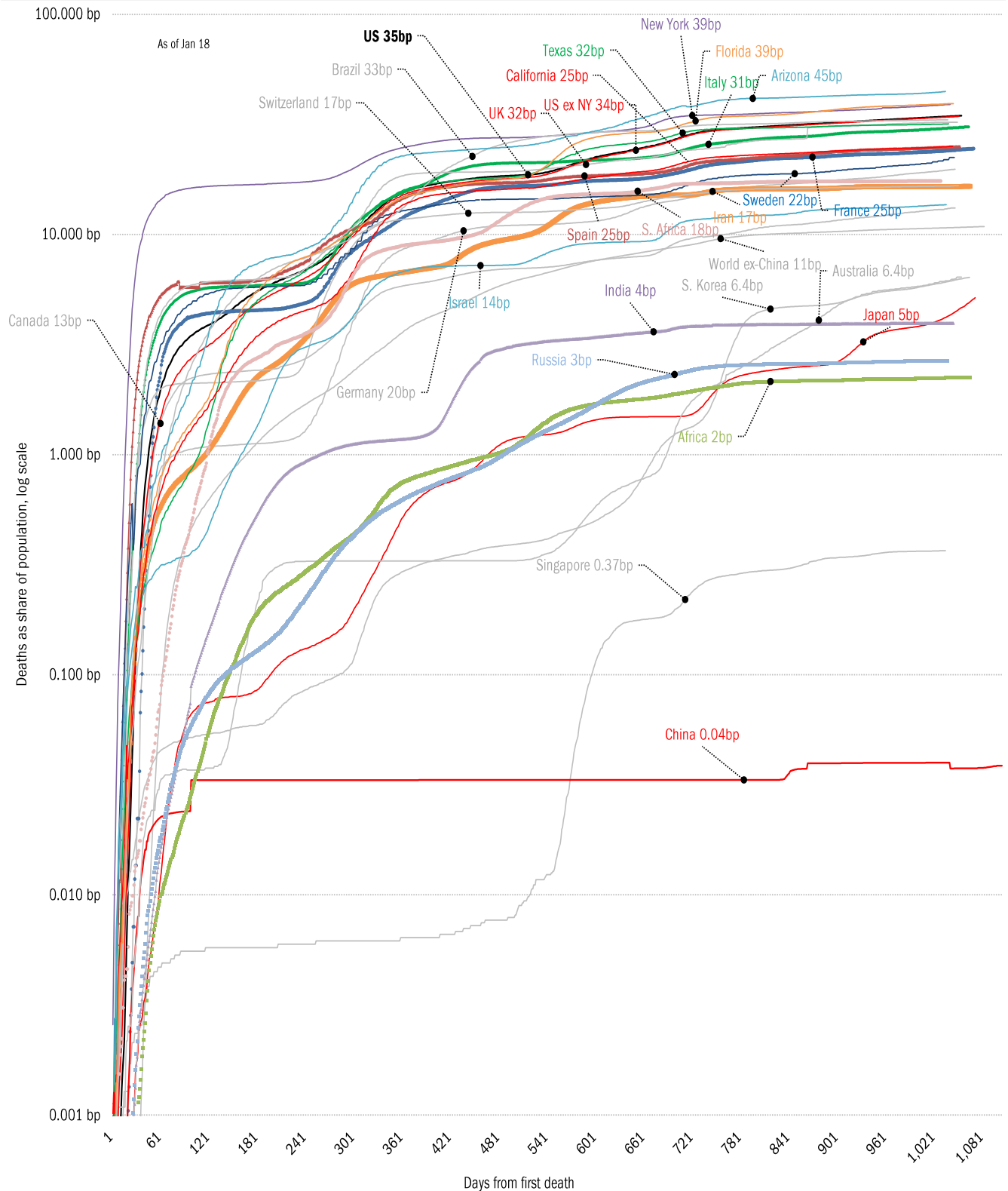
Share of infected population from first day with 100 confirmed cases, log scale



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

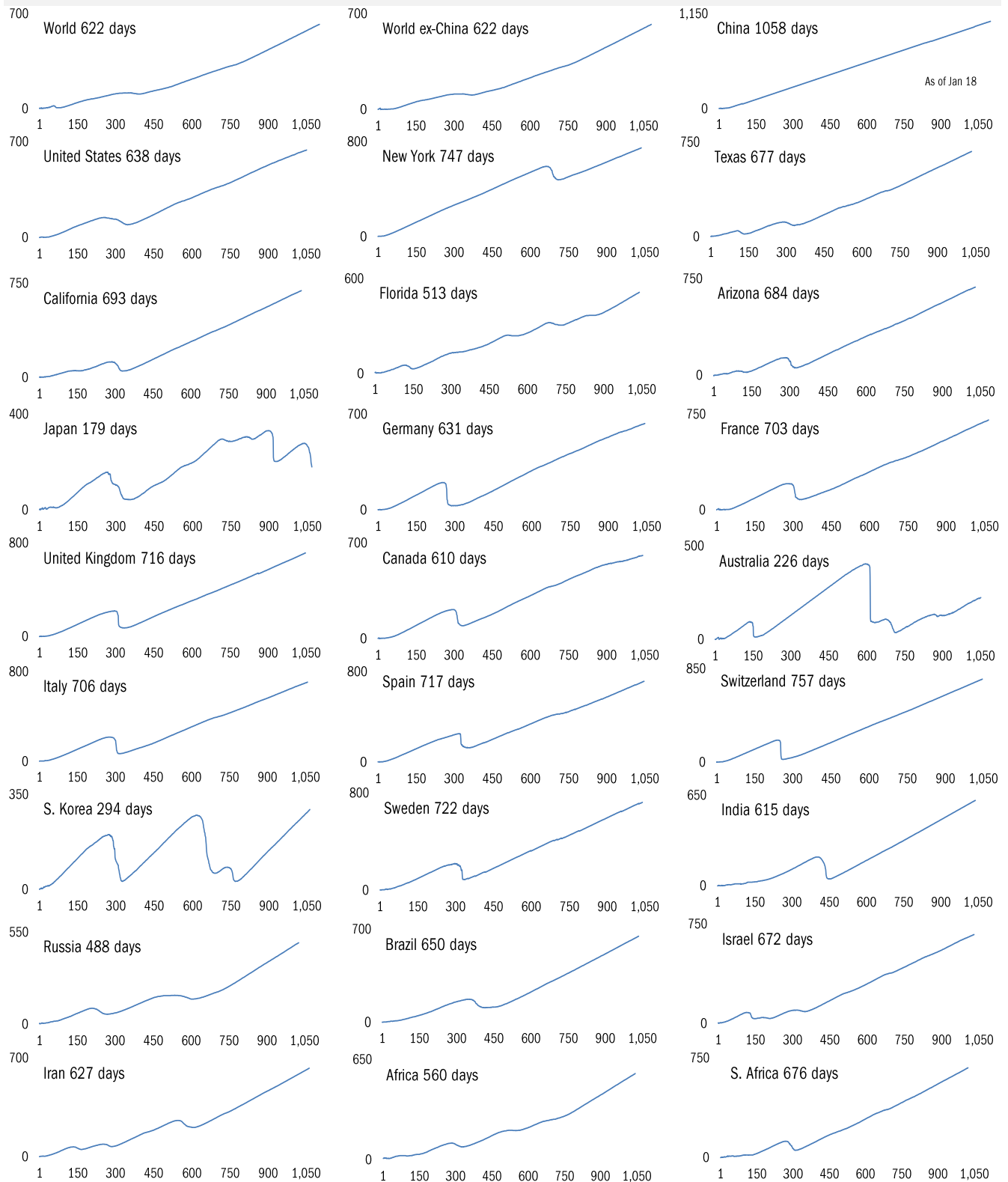


Source: [Johns Hopkins](#), TrendMacro calculations

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

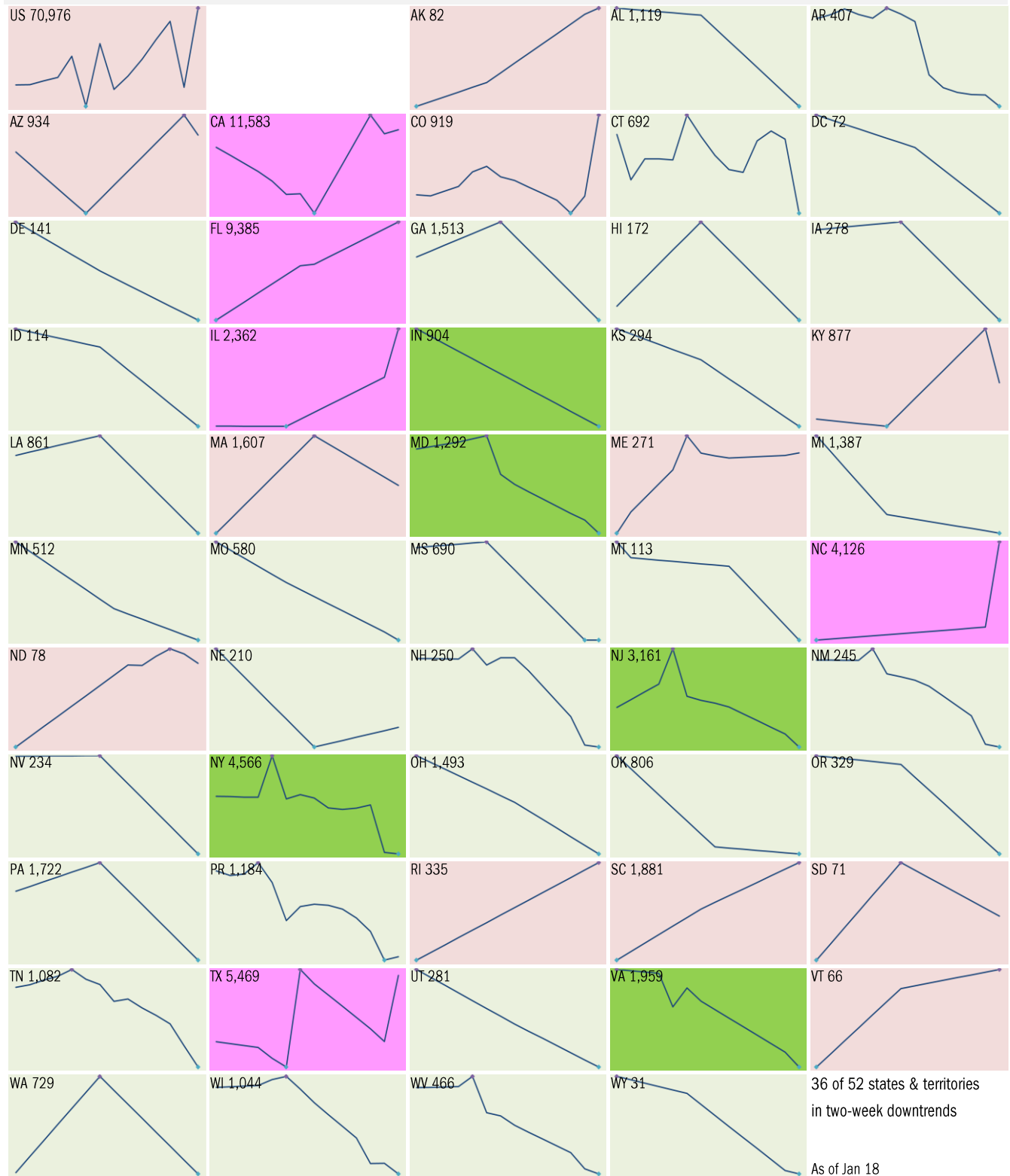


Source: [Johns Hopkins](#), TrendMacro calculations

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

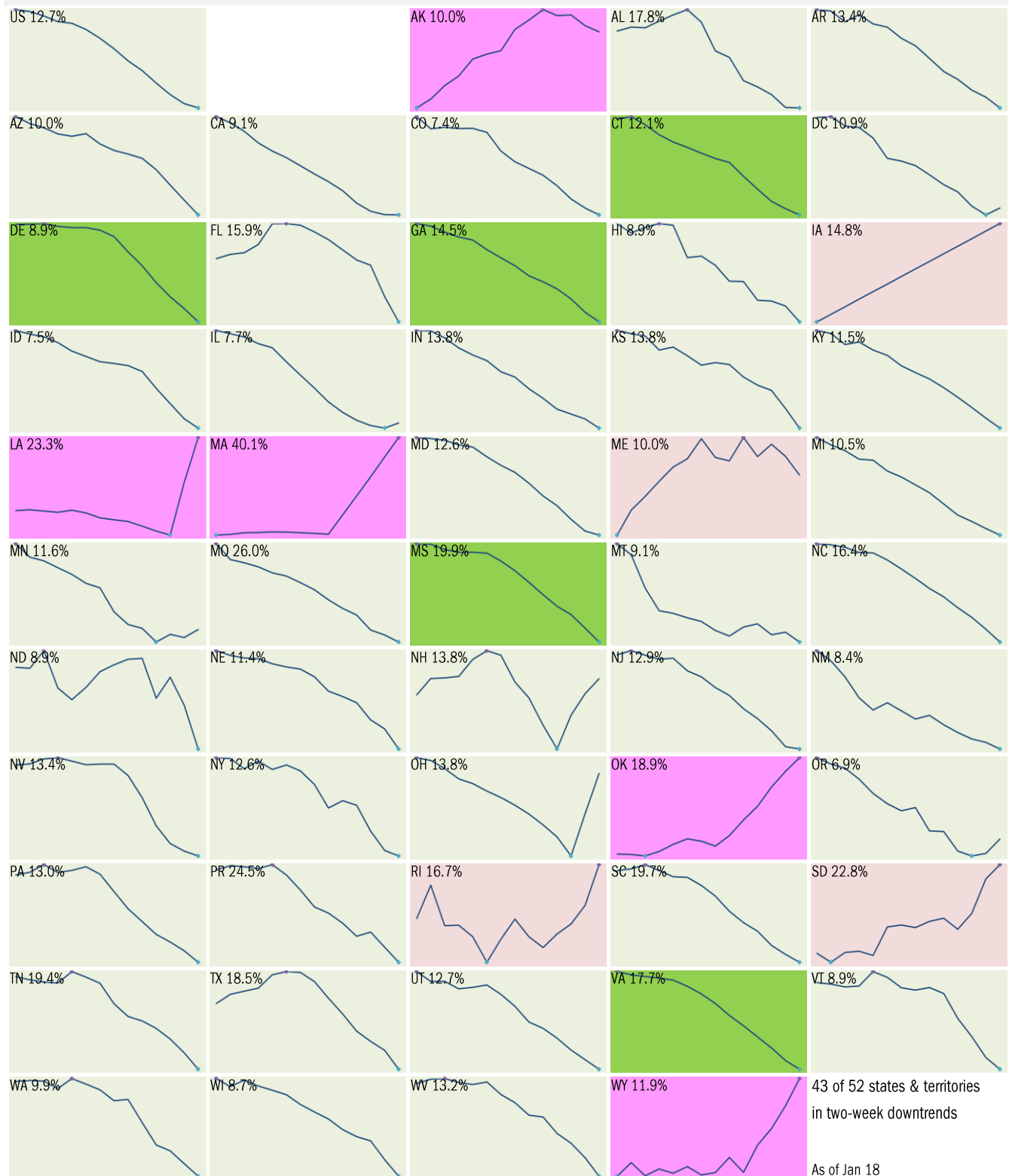


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

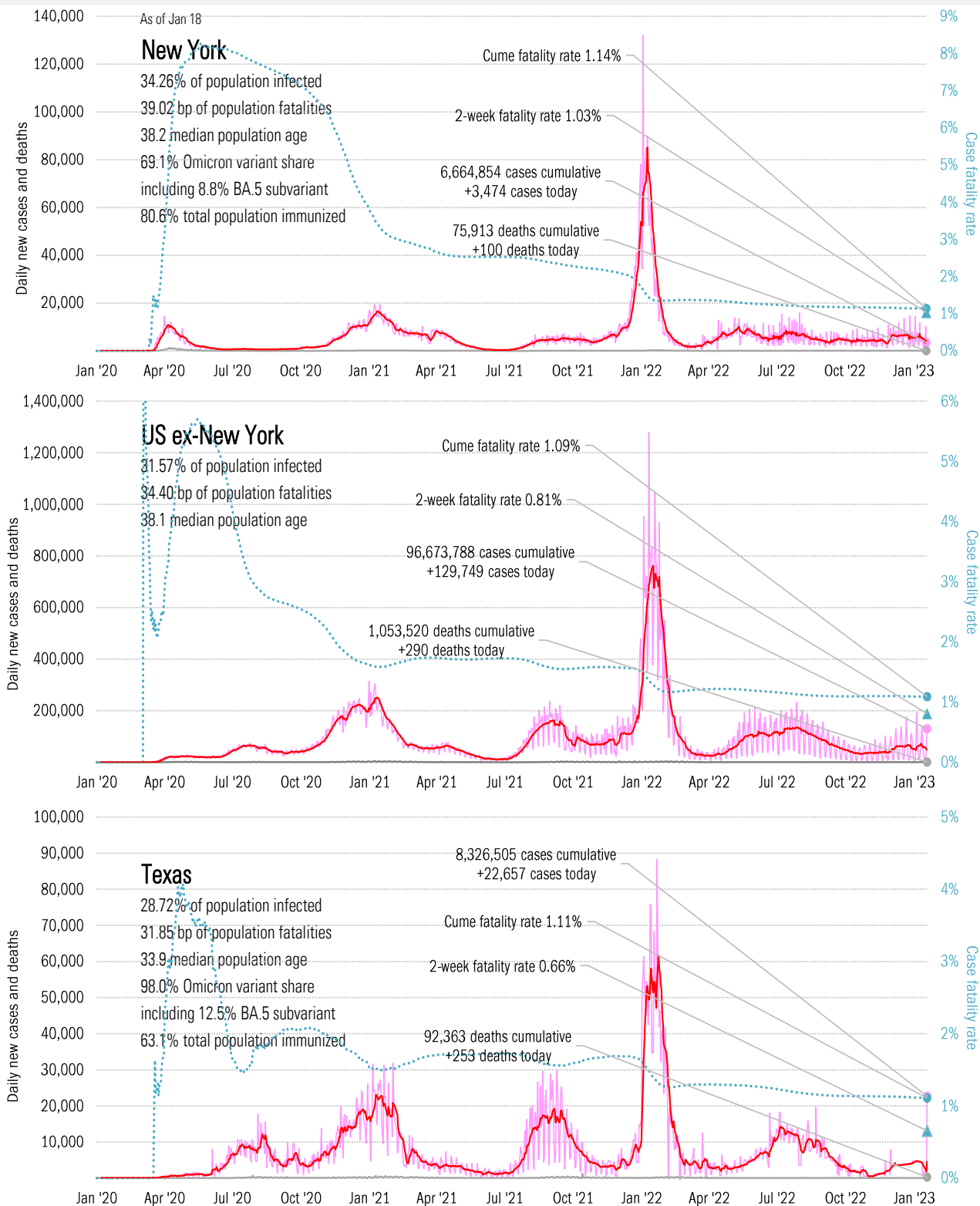
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

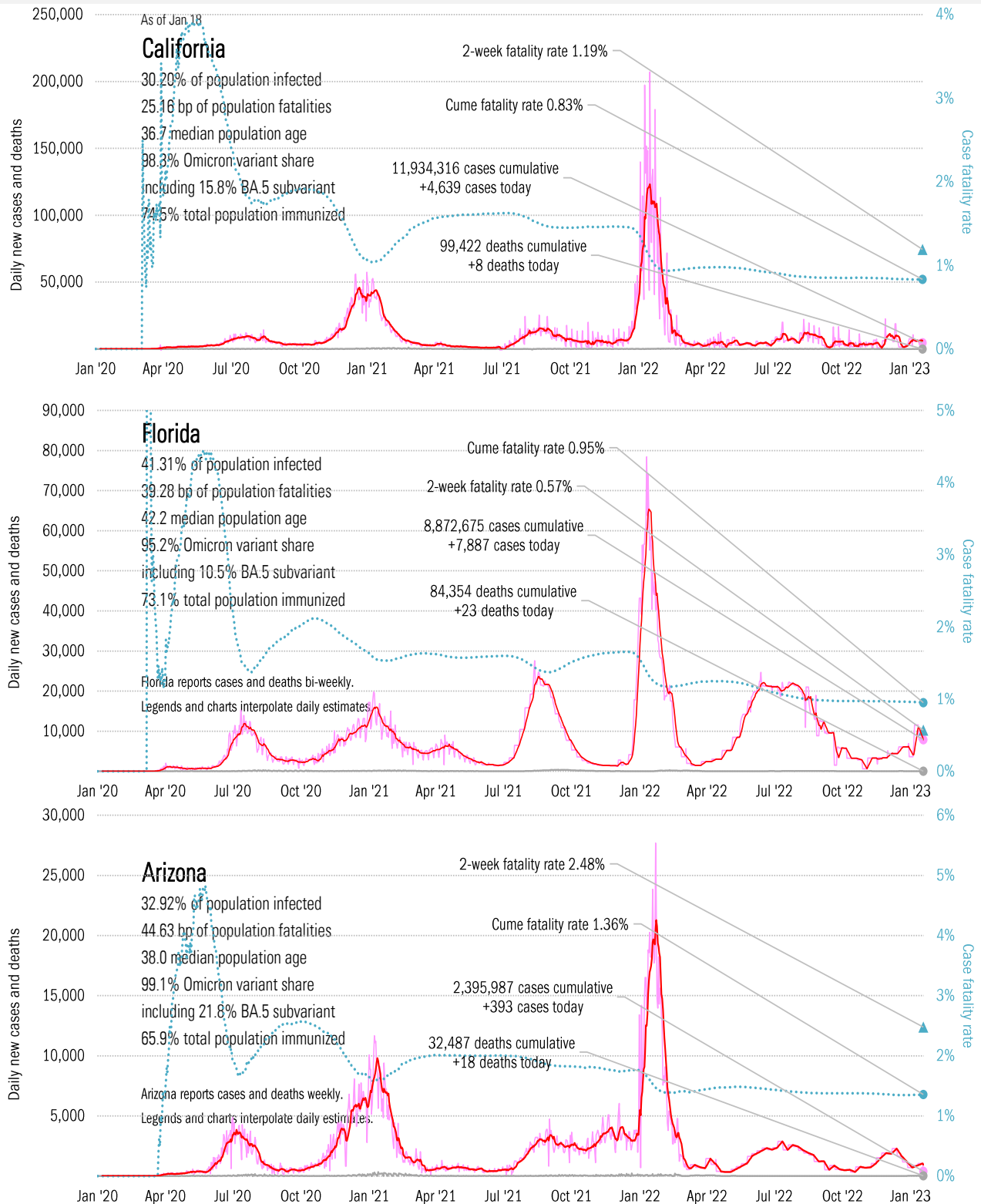
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

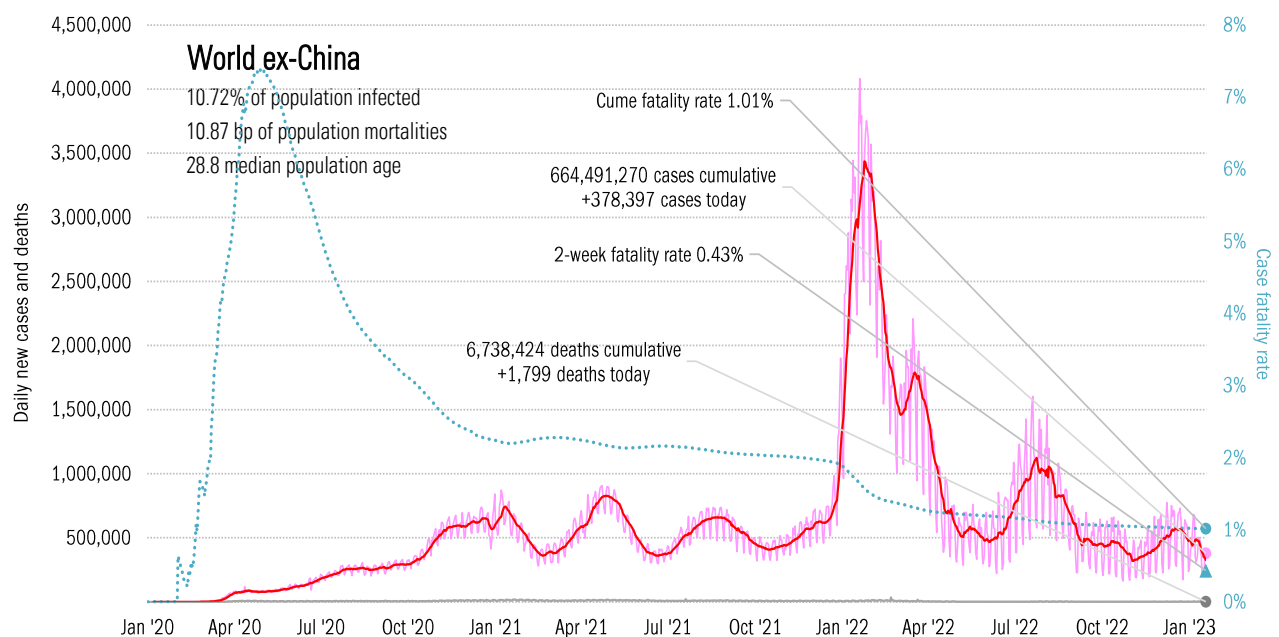
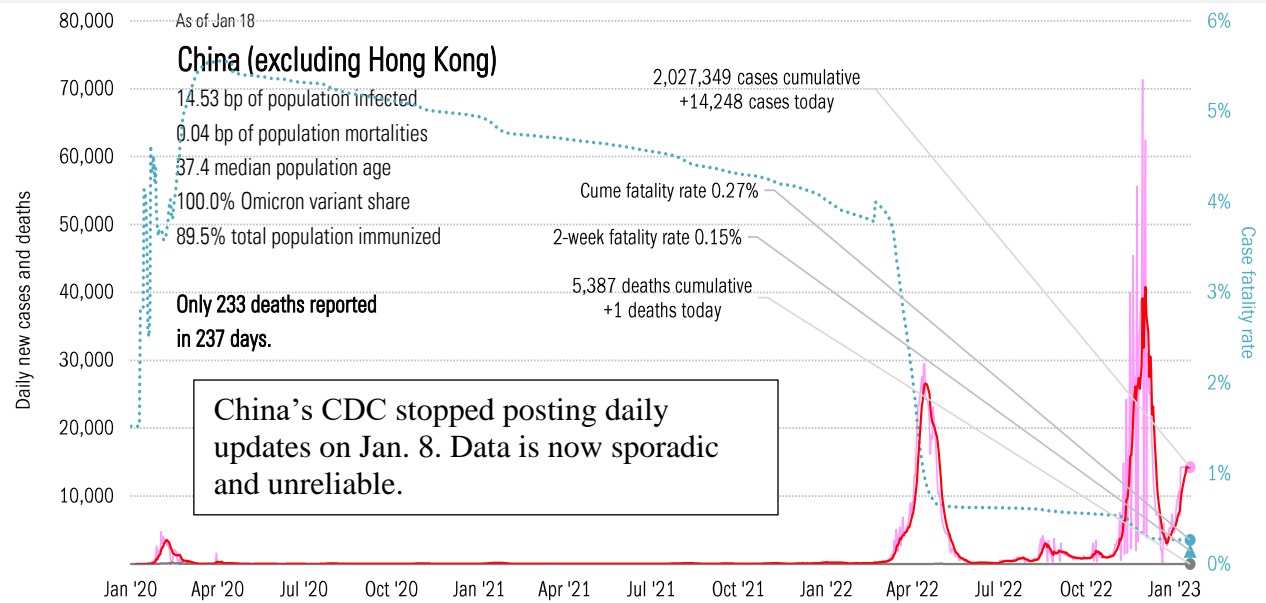
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

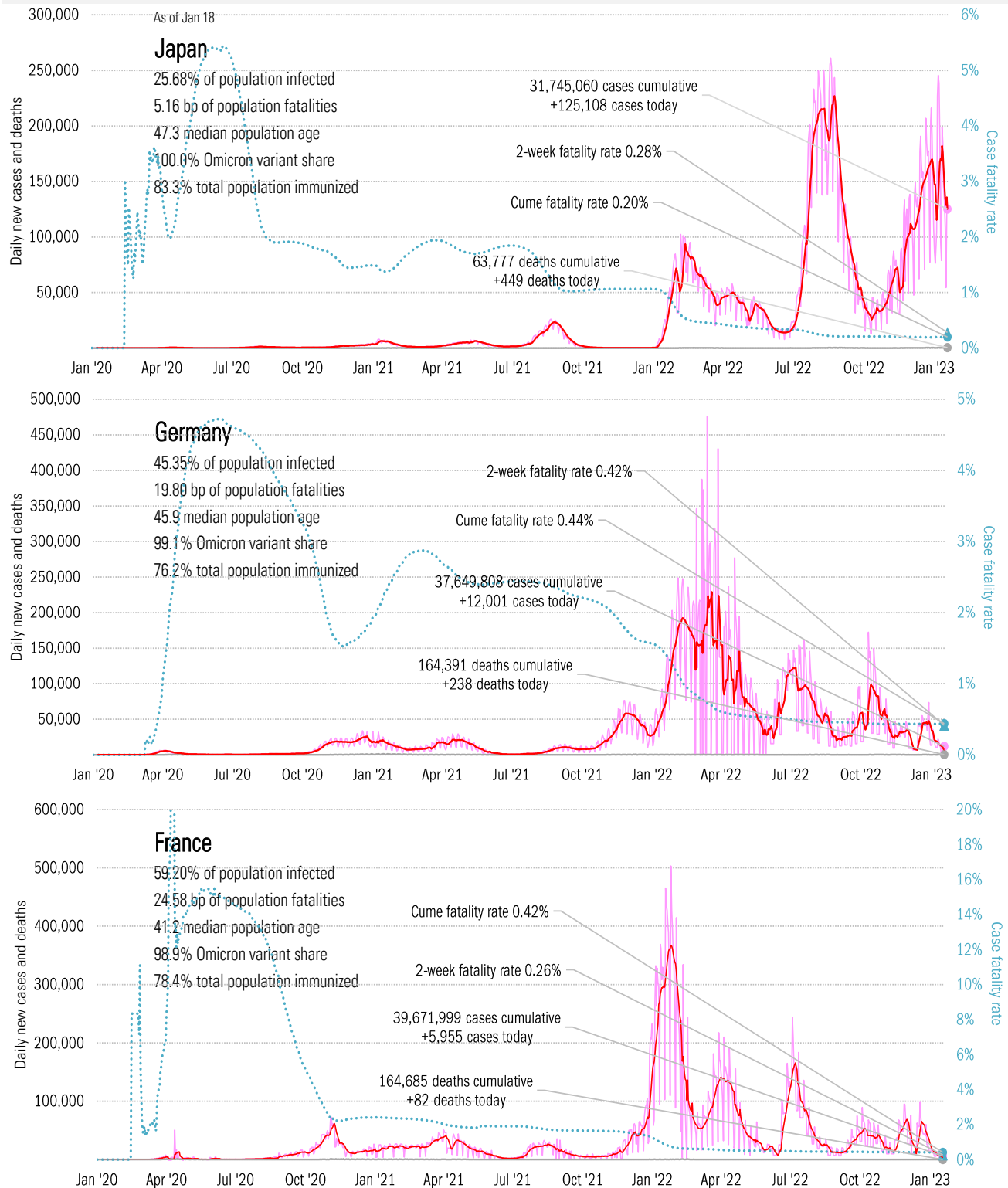
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

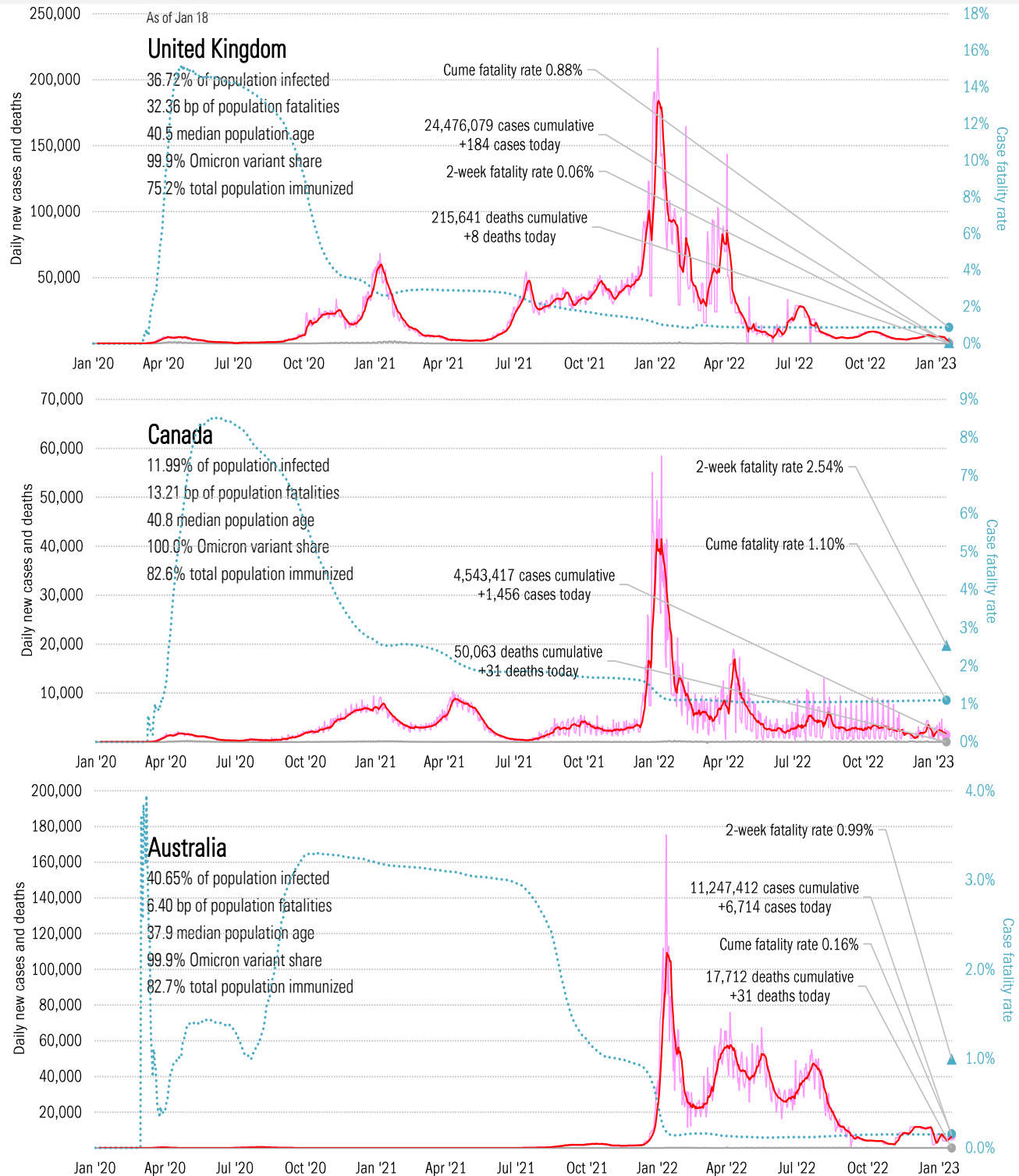
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

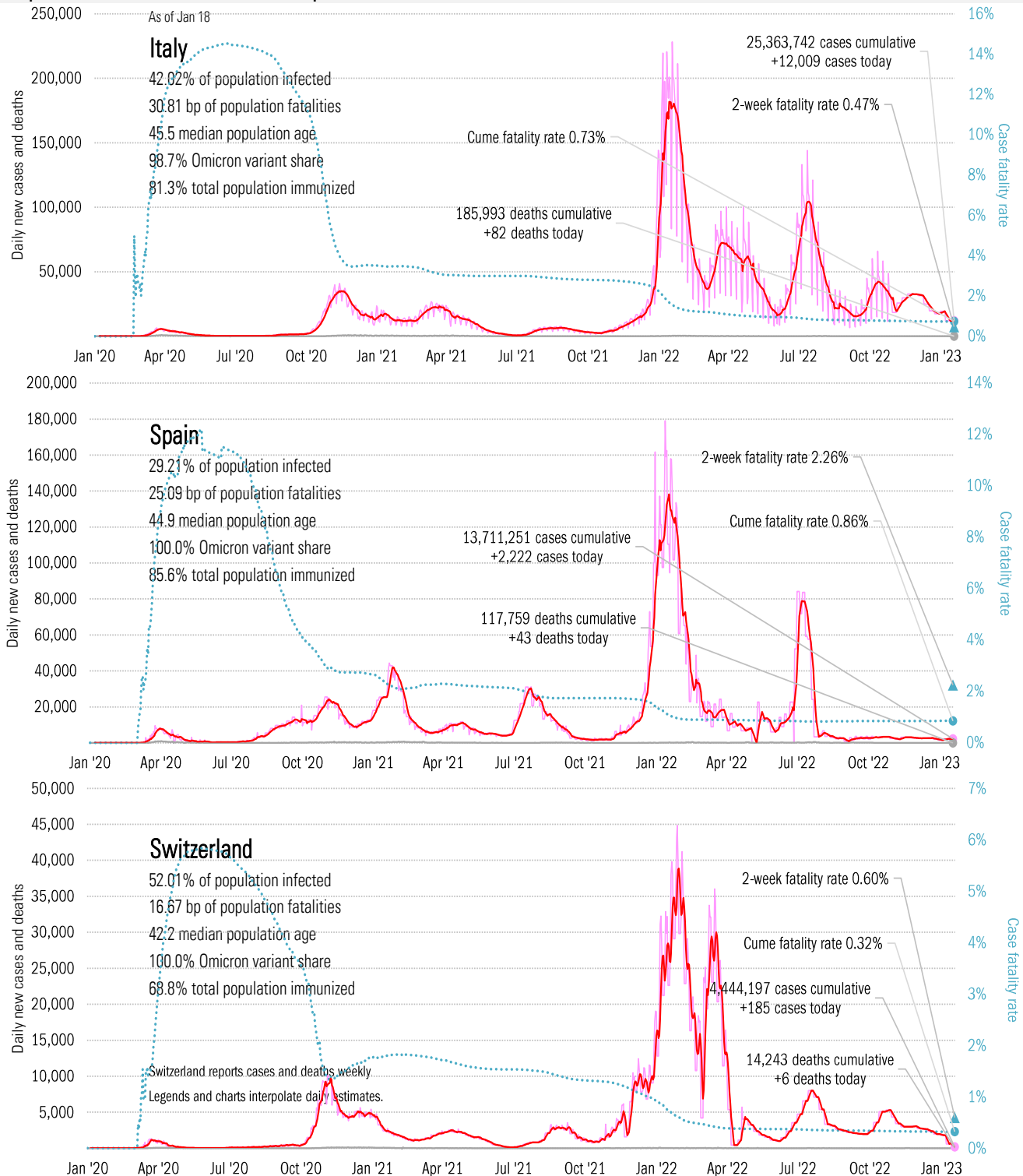
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

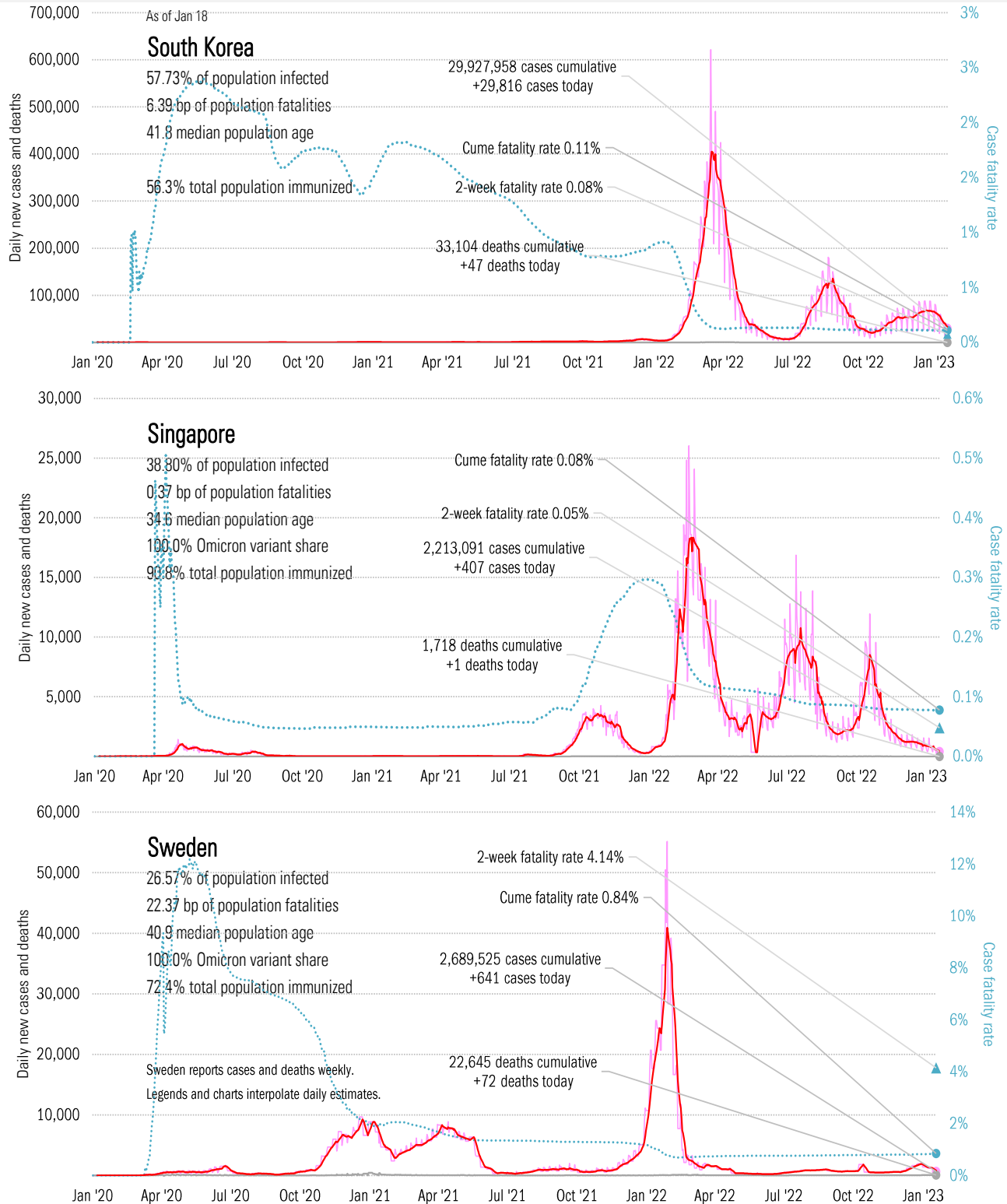
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

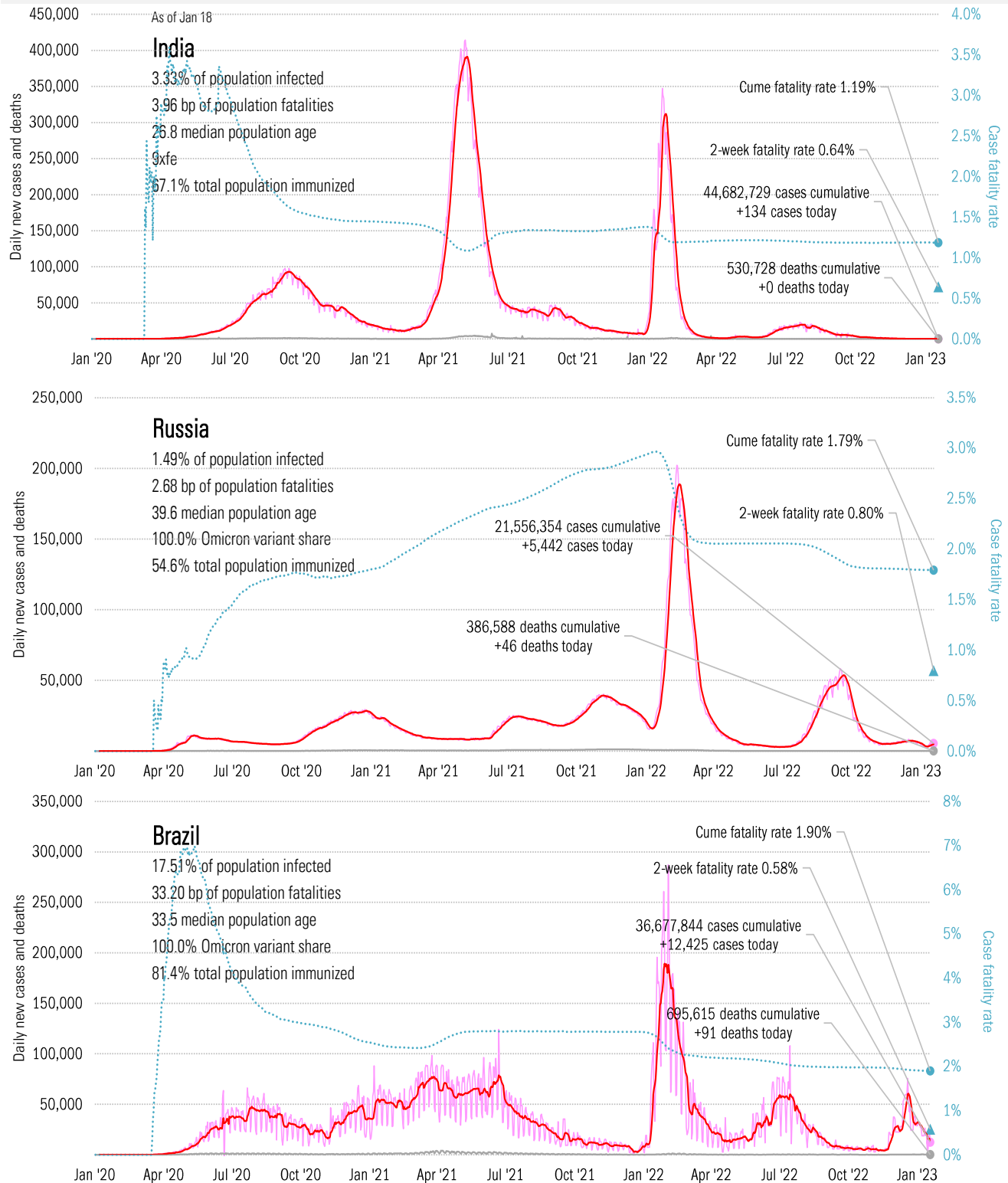
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

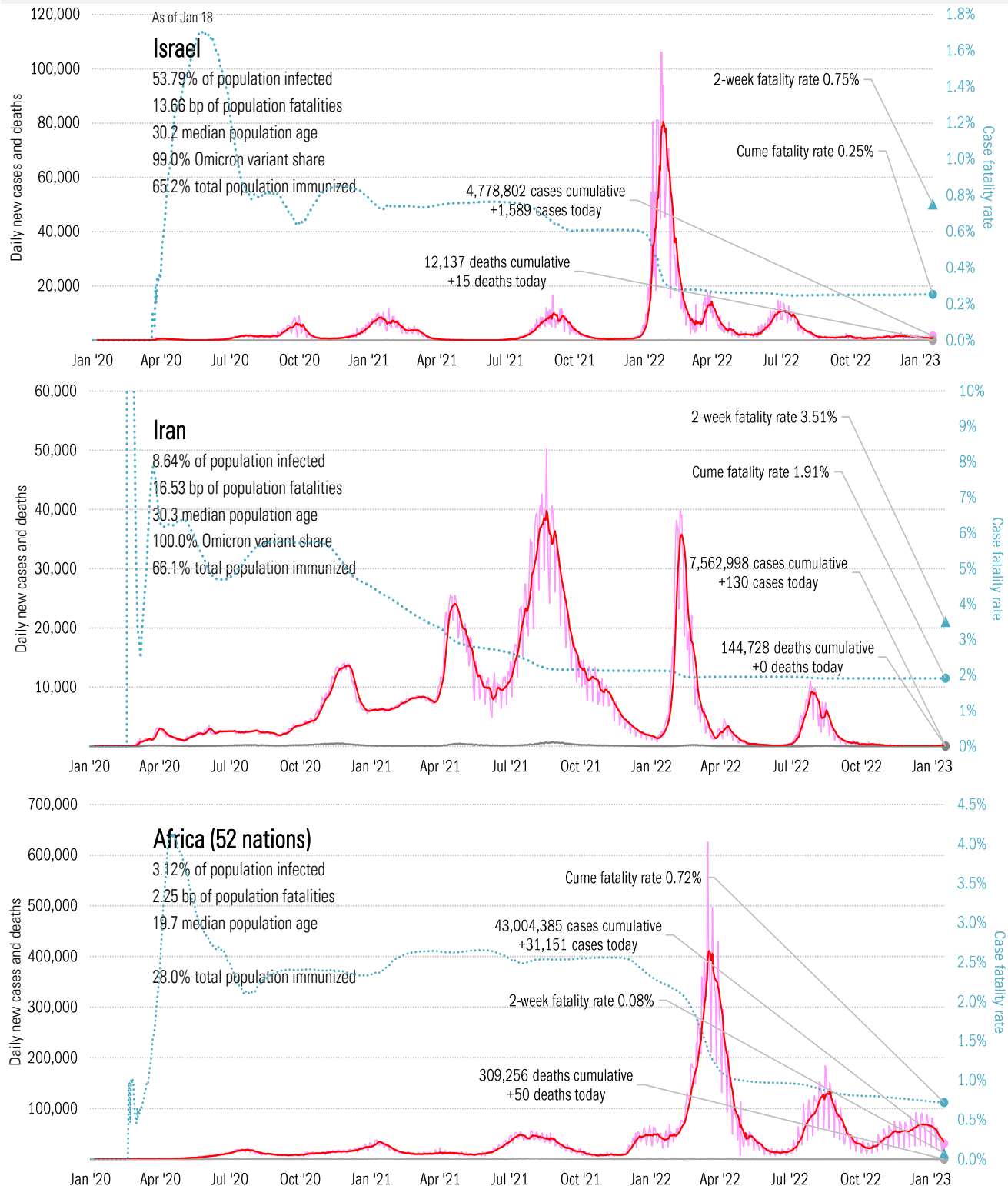
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

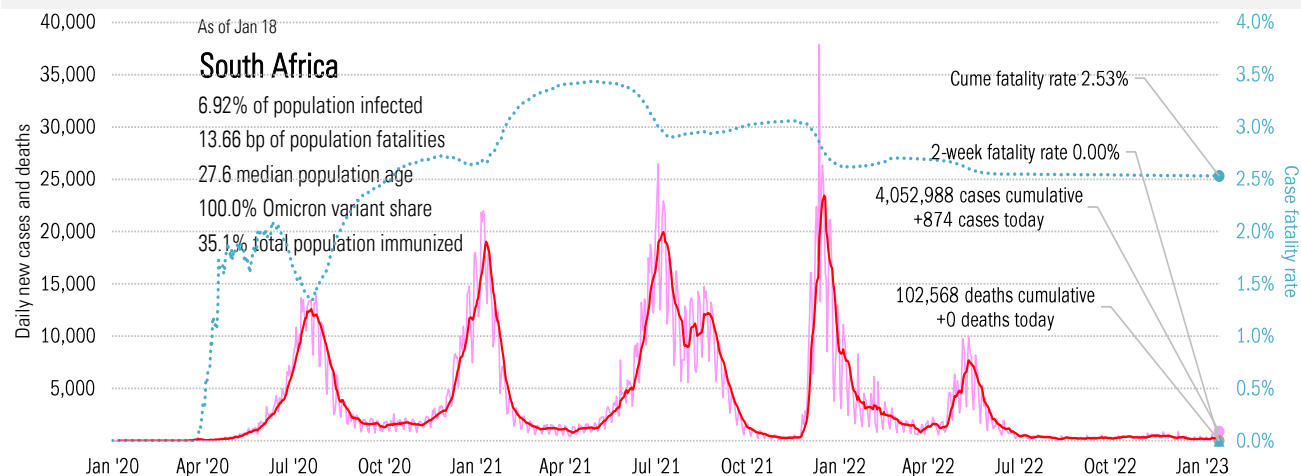
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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