

Data Insights: Covid-2019 Monitor

Thursday, January 5, 2023

The global scorecard

Cases: 7-day average and daily Deaths: Daily

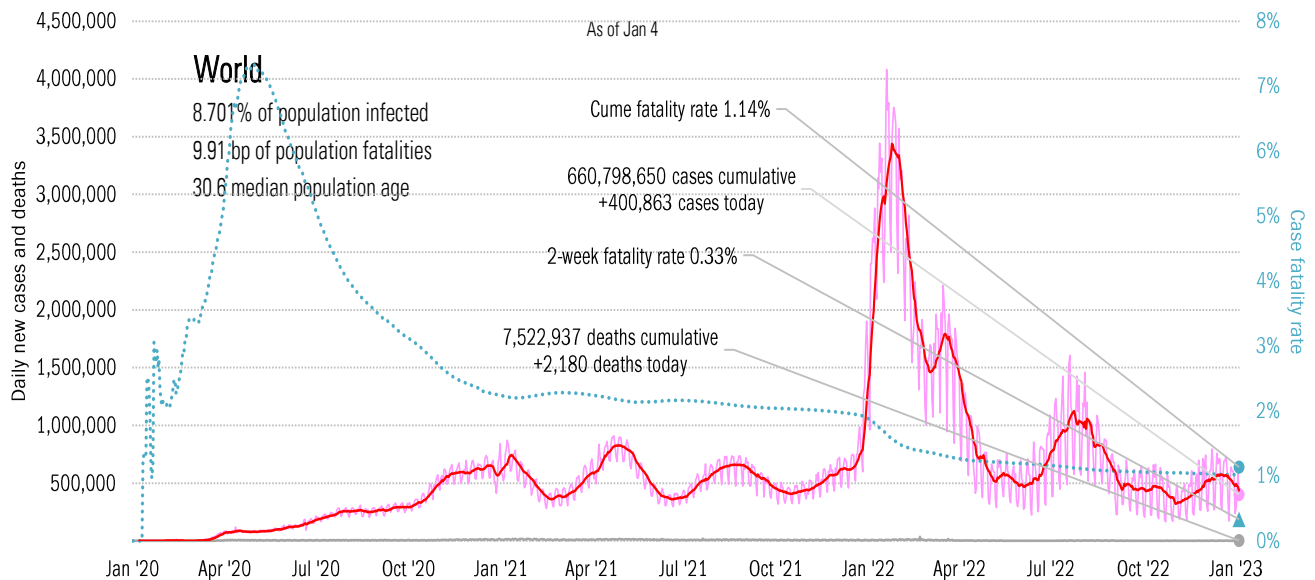
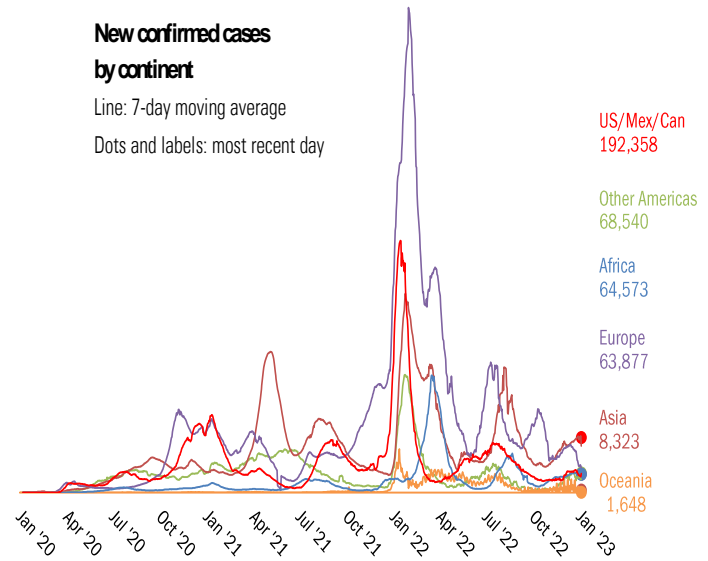
The worst ten countries

New cases		New Deaths	
Japan	104,304	United States	690
Korea, South	64,106	Germany	235
Brazil	60,772	Japan	218
United States	57,794	Brazil	215
Taiwan*	33,850	France	123
Germany	28,653	Italy	101
Italy	17,443	Korea, South	66
France	14,134	Ireland	46
China	9,308	Russia	44
Ireland	6,179	Chile	43
396,542		1,781	

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

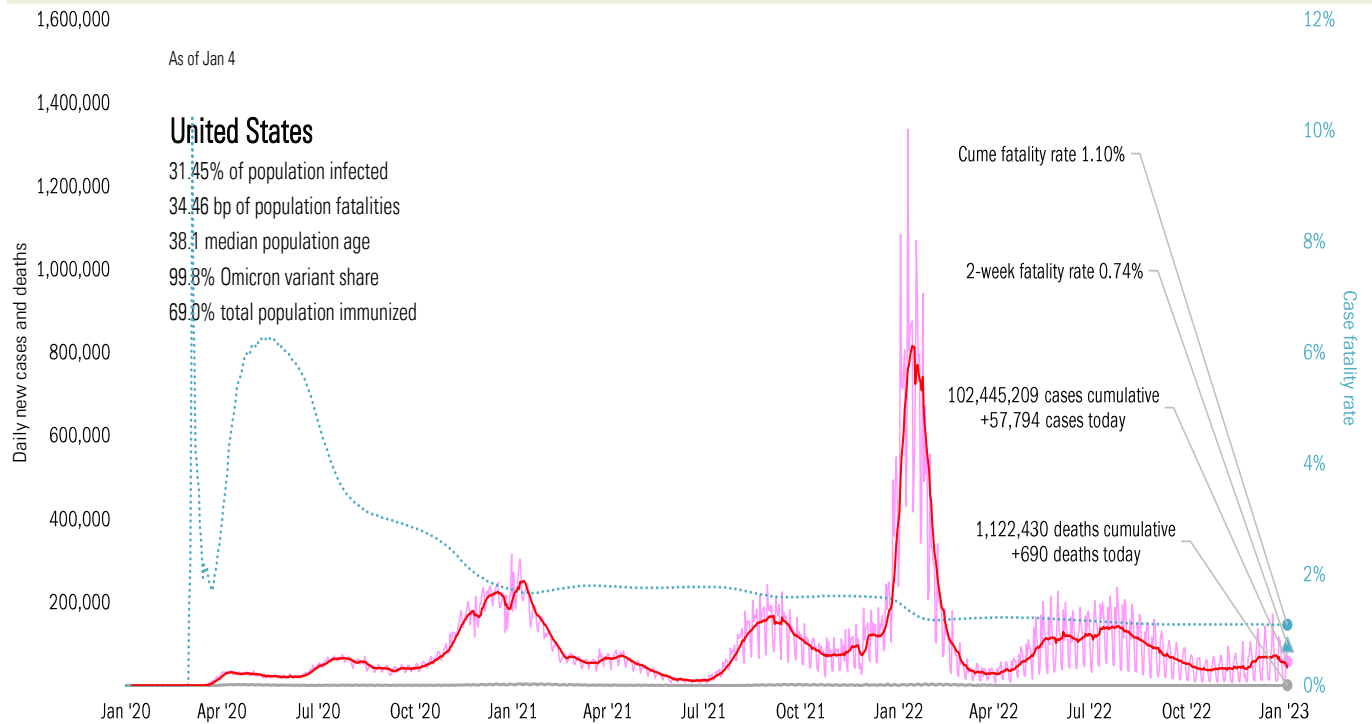
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
TX	4,757		NY	119		GA	296		CA	11,838,628		CA	98,735		TX	571,321		NH	86%	NH	92%
NJ	3,931		GA	103		TX	650		TX	8,262,052		TX	91,939		CA	544,950		AK	86%	TX	90%
NY	3,890		IN	96		NC	214		FL	7,338,503		FL	83,906		FL	515,899		WA	85%	NM	88%
FL	3,649		FL	43		AR	70		NY	6,596,319		NY	75,330		NY	337,526		RI	84%	NC	88%
MD	3,427		CA	39		FL	466		IL	3,974,859		PA	49,034		CH	236,825		MO	84%	AK	88%
NC	3,070		MD	33		LA	85		PA	3,431,861		GA	41,520		GA	235,634		WV	82%	MS	87%
CA	2,226		WI	28		MT	18		NC	3,359,796		CH	40,928		PA	221,444		NC	82%	AL	87%
PA	2,145		NJ	24		AS	0		CH	3,307,568		MI	40,836		IL	205,099		MA	82%	MA	86%
VA	2,108		CT	22		GU	0		GA	2,998,991		IL	40,702		MI	175,701		DC	82%	RI	86%
CT	2,106		PA	20		MP	0		MI	2,998,447		NJ	35,555		NJ	154,267		MN	82%	MO	85%
31,308			527			1,799			54,107,024			598,485			3,198,666						
All states	57,794		690			6,195			All states	102,445,209		1,122,430		5,804,401		All states	70%	67%			
Top ten	54%		76%			29%			Top ten	54%		55%		55%		Median	78%	79%			

Some states not reporting

Five most improved US states

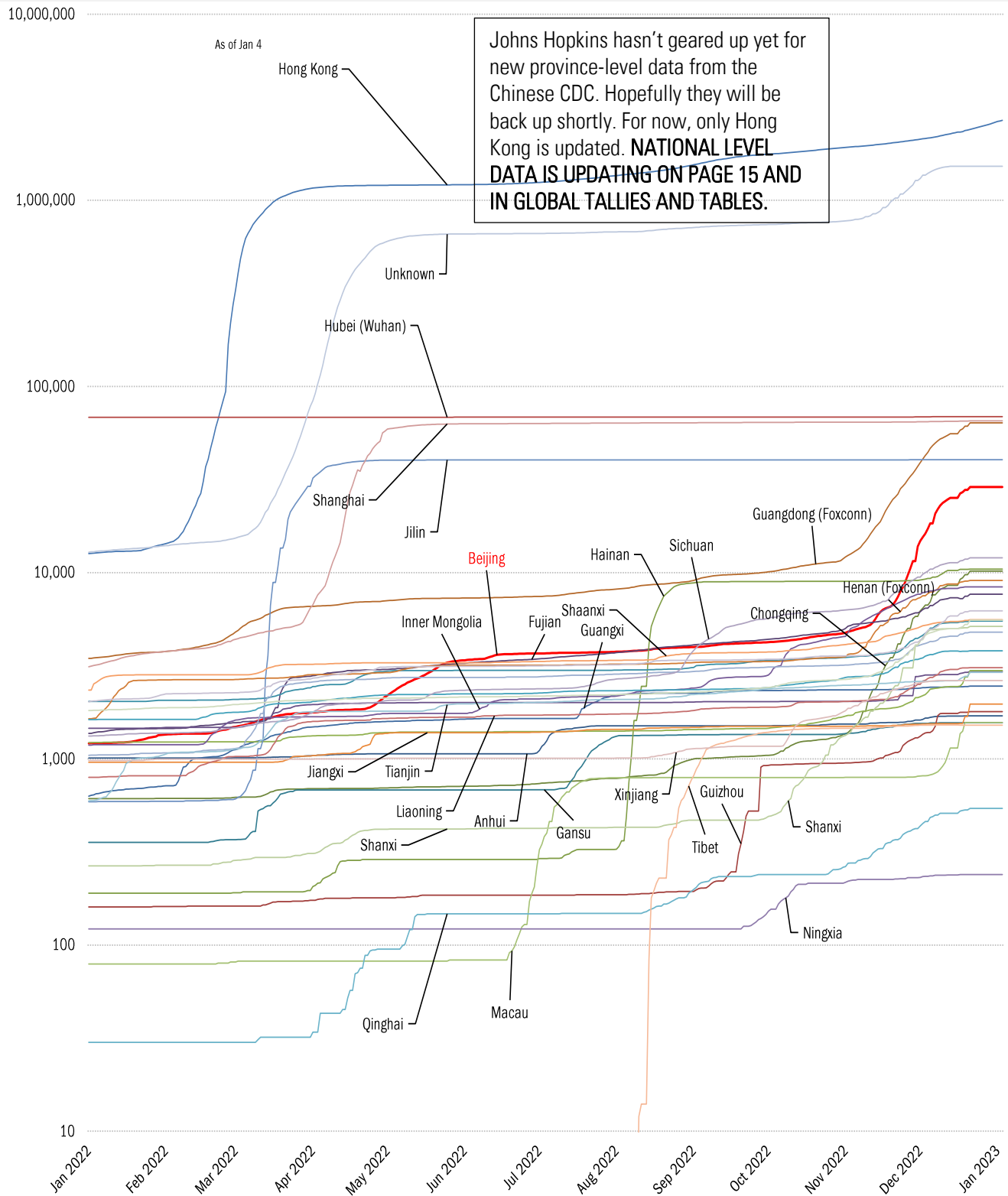
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-10,533	IL	-24	CA	-279
CA	-4,677	CA	-20	IL	-137
WV	-851	CO	-5	TX	-127
NH	-734	VA	-2	MD	-110
NM	-574	MS	-2	VA	-108



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

China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

Cumulative reported cases this year, log scale: flat line indicates "zero Covid"

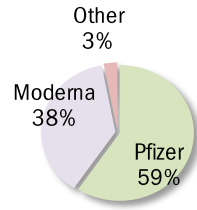


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	680,393,511		+0.244 million		US	69.0%	80.8%	
			Of which boosters: +0.214 million		UK	75.2%	79.7%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.4%	80.6%
Total population	276,758,611	83%	235,944,128	71%	+0.021 million	Spain	85.5%	86.9%
Age 12 to 17	18,413,123	73%	15,763,488	62%	+0.001 million	Germany	76.2%	77.8%
Age 18 to 64	184,058,504	90%	156,476,533	77%	+0.013 million	Italy	81.3%	86.2%
Age 65 and over	60,960,848	100%	53,388,685	97%	+0.004 million	Australia	82.7%	84.9%
						Israel	65.2%	71.1%
						Canada	82.5%	90.0%
						Japan	83.2%	84.3%
						Africa	27.5%	33.5%
						India	67.1%	72.5%
						Brazil	81.2%	87.6%
						China	89.4%	91.7%



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

AK	72.8%
	64.9%

"Immunity" = two doses

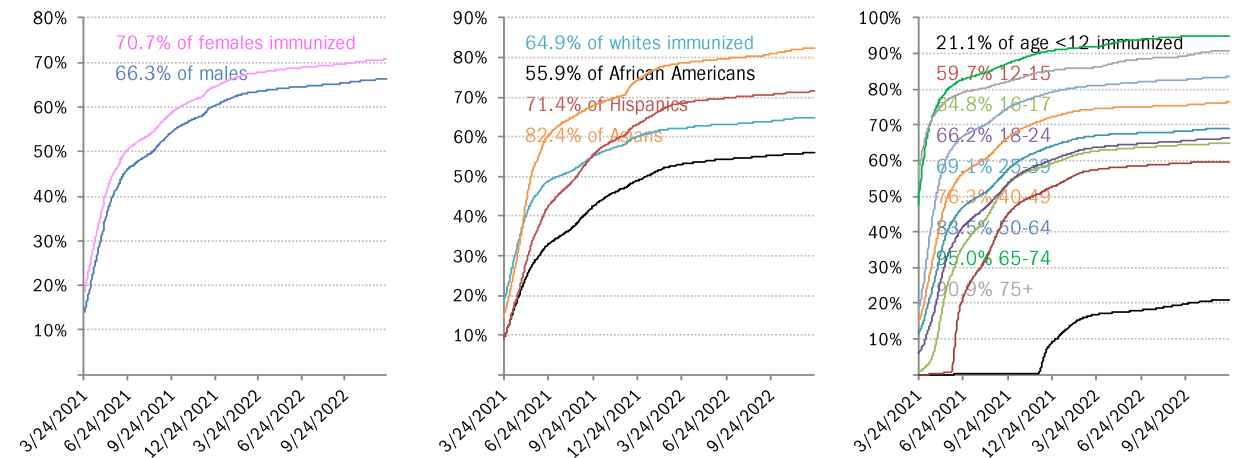
WI	74.9%
	68.0%

As of Dec 30

ME	95.0%
	83.0%

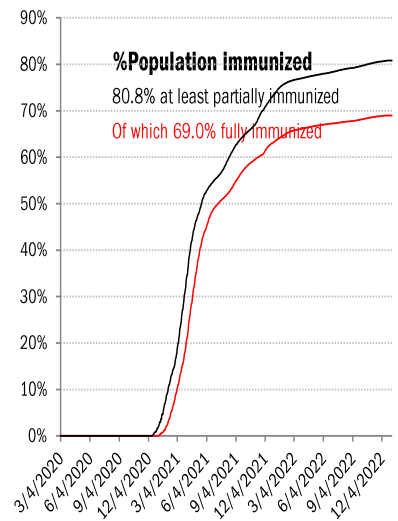
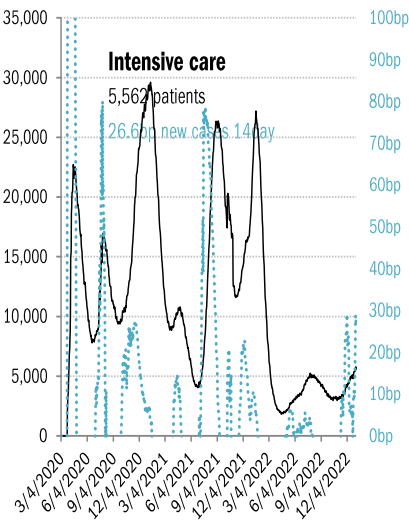
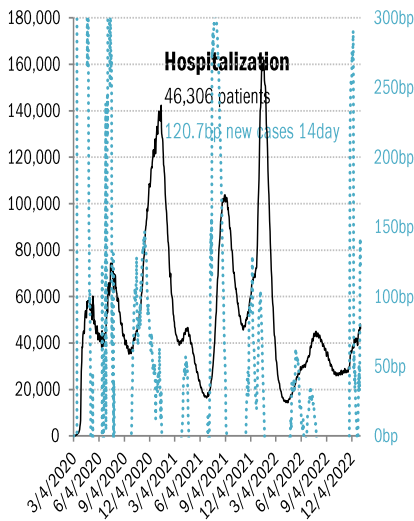
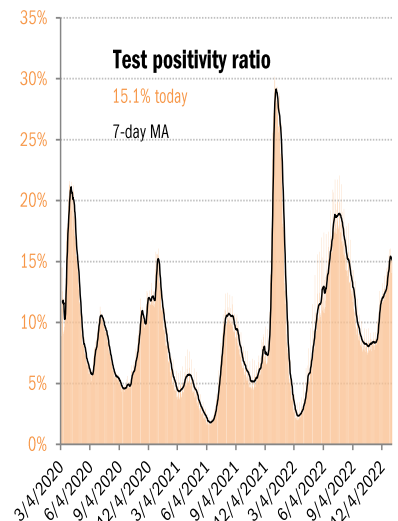
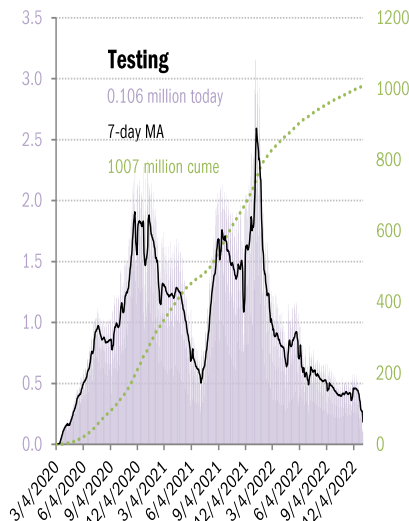
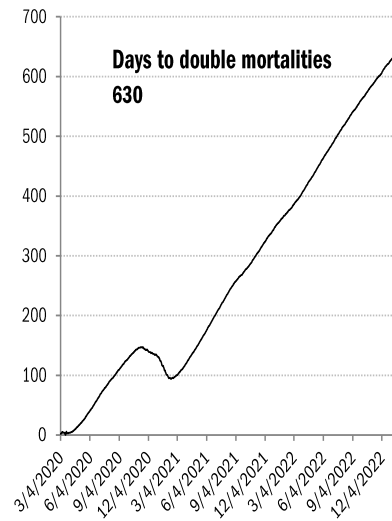
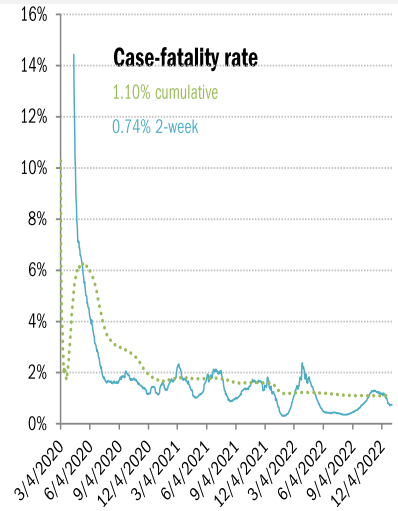
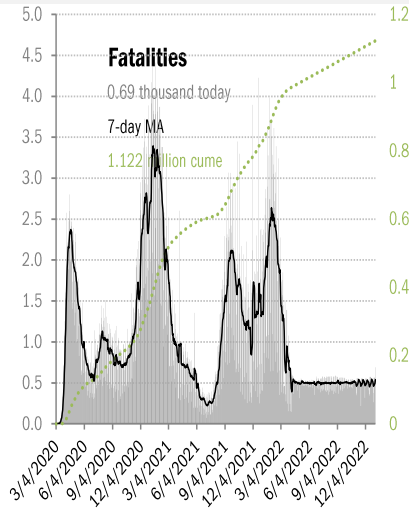
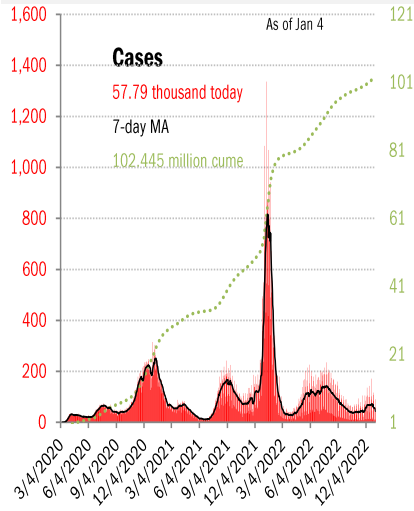
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
84.9%	63.7%	68.0%	69.1%	78.5%	78.9%	69.3%	94.1%	95.0%	87.5%	
75.7%	56.3%	59.0%	58.4%	71.9%	71.0%	62.2%	80.5%	85.3%	71.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.2%	77.3%	60.7%	83.4%	70.4%	64.2%	65.5%	90.1%	94.3%	95.0%	
72.1%	63.5%	52.9%	66.0%	64.2%	57.6%	60.3%	72.9%	78.8%	83.8%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.3%	75.0%	83.3%	73.1%	69.1%	68.6%	67.3%	90.6%	91.3%	95.0%	95.0%
74.4%	66.5%	73.2%	66.0%	58.8%	59.4%	59.6%	76.3%	79.4%	82.8%	87.4%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
77.1%	93.8%	75.9%	69.6%	64.3%	91.6%	70.7%	95.0%	87.7%		
65.8%	74.9%	65.0%	56.7%	56.2%	66.8%	59.7%	85.3%	72.9%		
OK	LA	MS	AL	GA						
74.3%	62.7%	61.5%	64.8%	68.1%						
60.2%	54.9%	53.6%	53.0%	57.1%						
TX										
76.0%										
63.0%										
HI										
91.1%										
81.3%										
							FL		PR	
							82.1%		95.0%	
							69.2%		86.7%	

The demographics of US vaccination

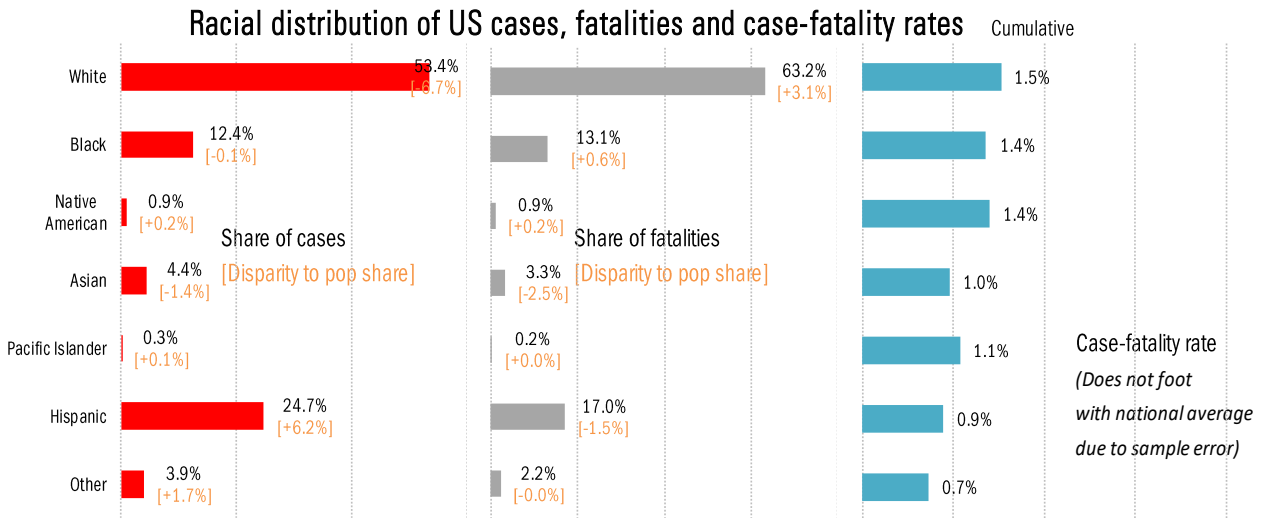
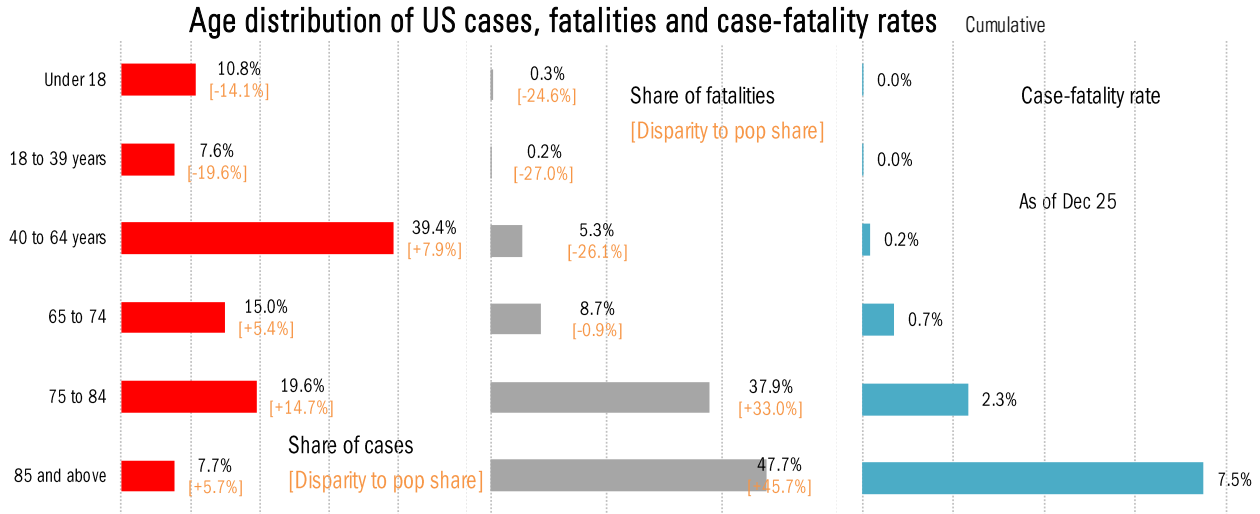


Source: CDC, CDC, Our World in Data, TrendMacro calculations

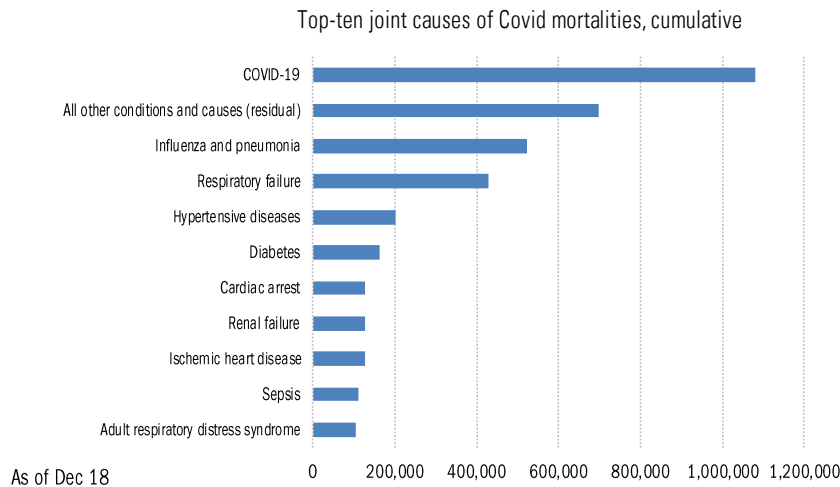
US deep-dive



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

[COVID-positive Chinese tourist goes on the run in South Korea](#)

Jen Kwon
CBS News
January 4, 2023

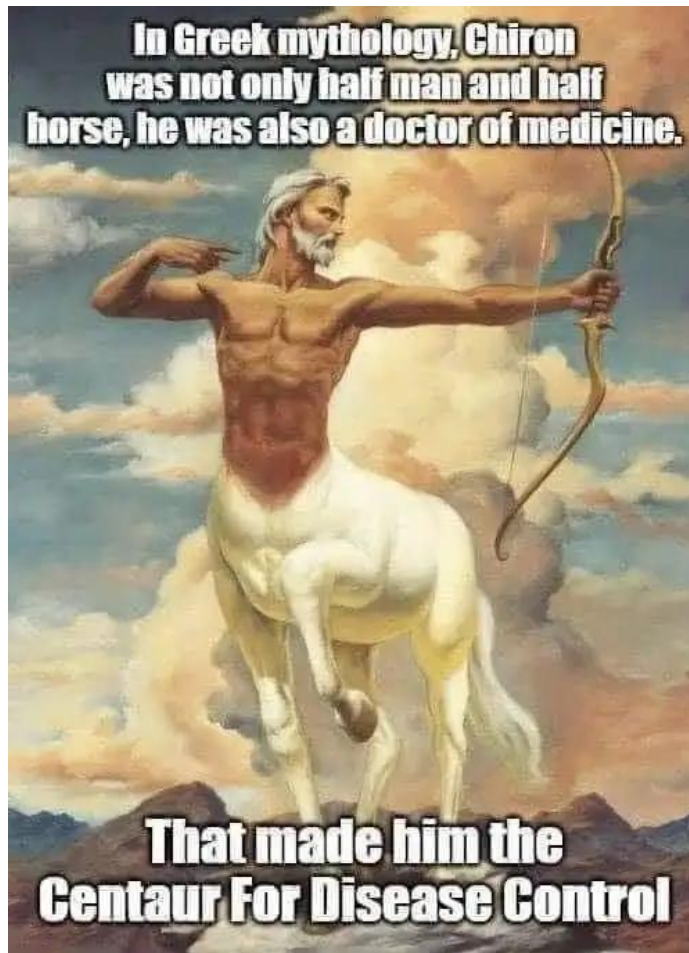
[WHO Says China Is Undercounting Covid Deaths, Asks for More Reliable Data](#)

Joyu Wang and Liyan Qi
Wall Street Journal
January 4, 2023

[China Covid: Celebrity deaths spark fears over death toll](#)

Fan Wang
BBC
January 5, 2023

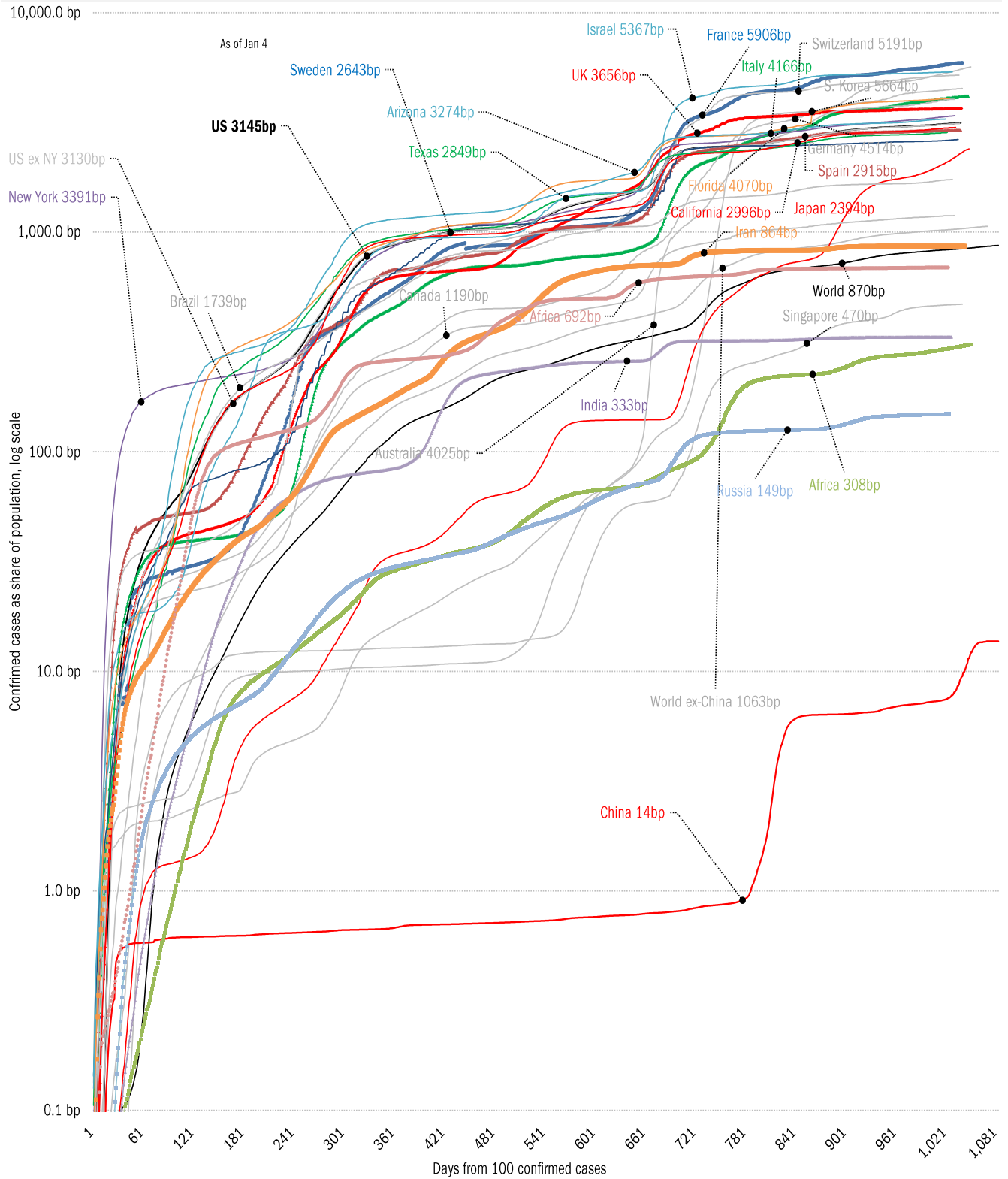
Meme of the Day



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

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

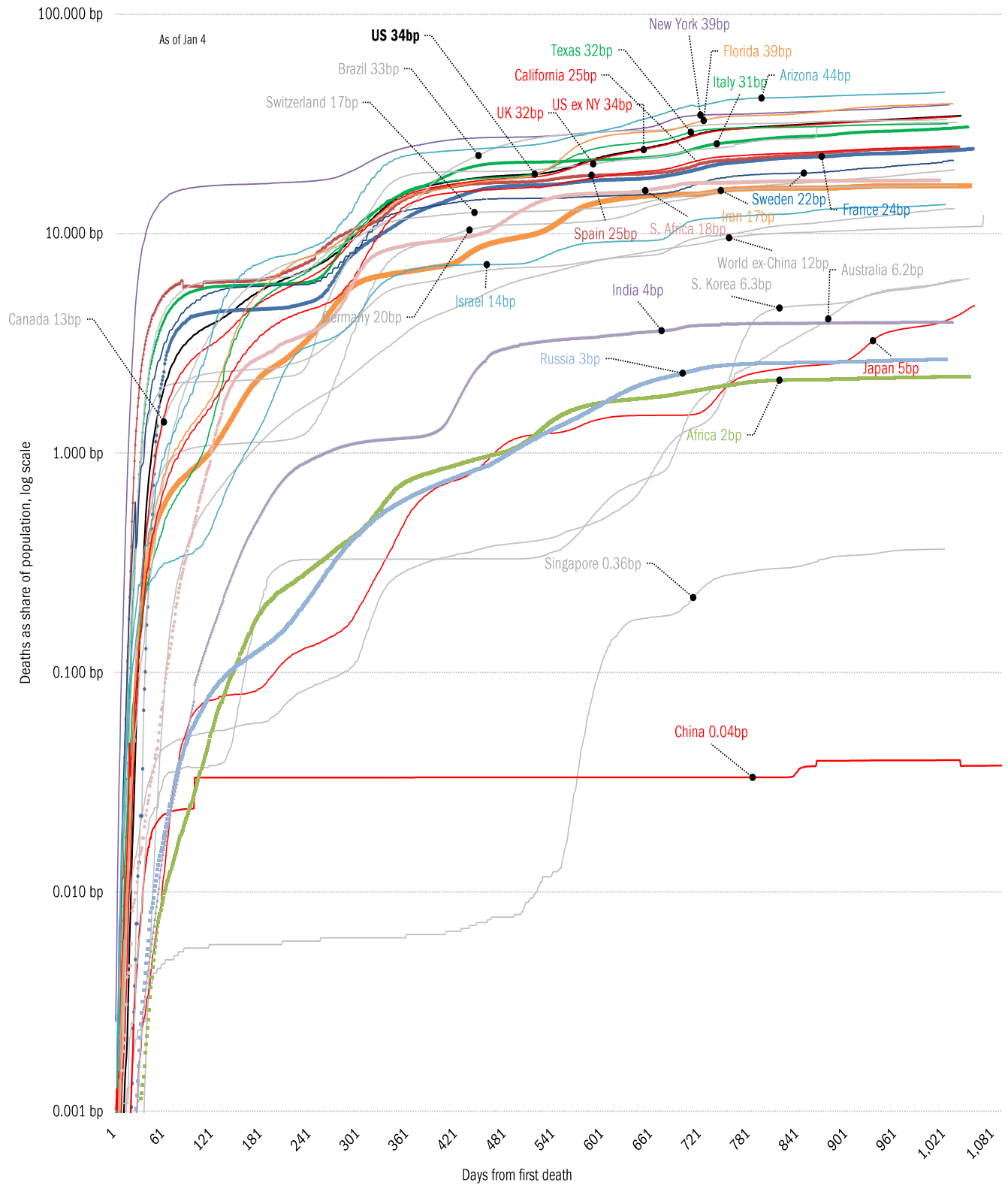
Share of infected population from first day with 100 confirmed cases, log scale



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

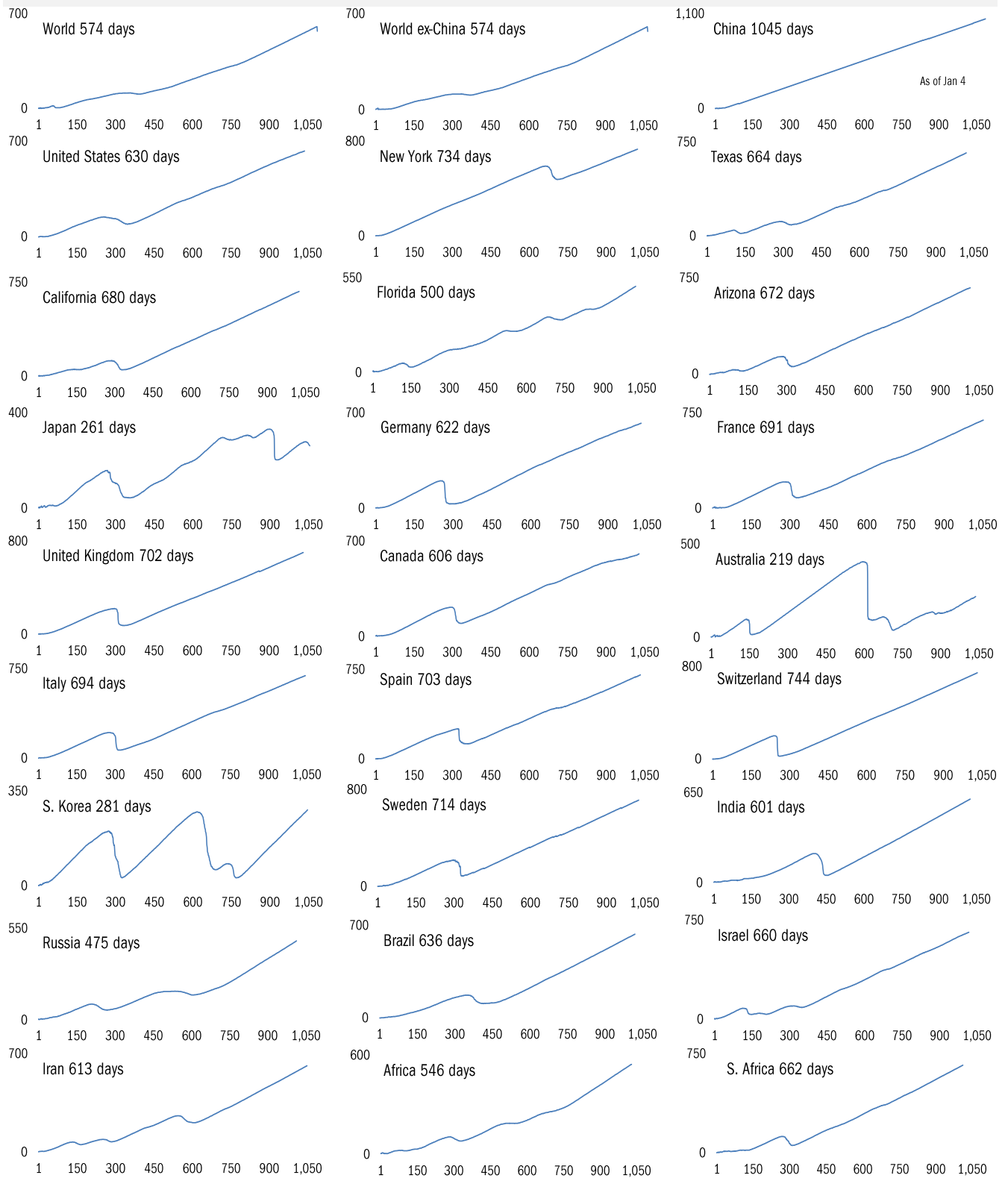


Source: [Johns Hopkins](#), TrendMacro calculations

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

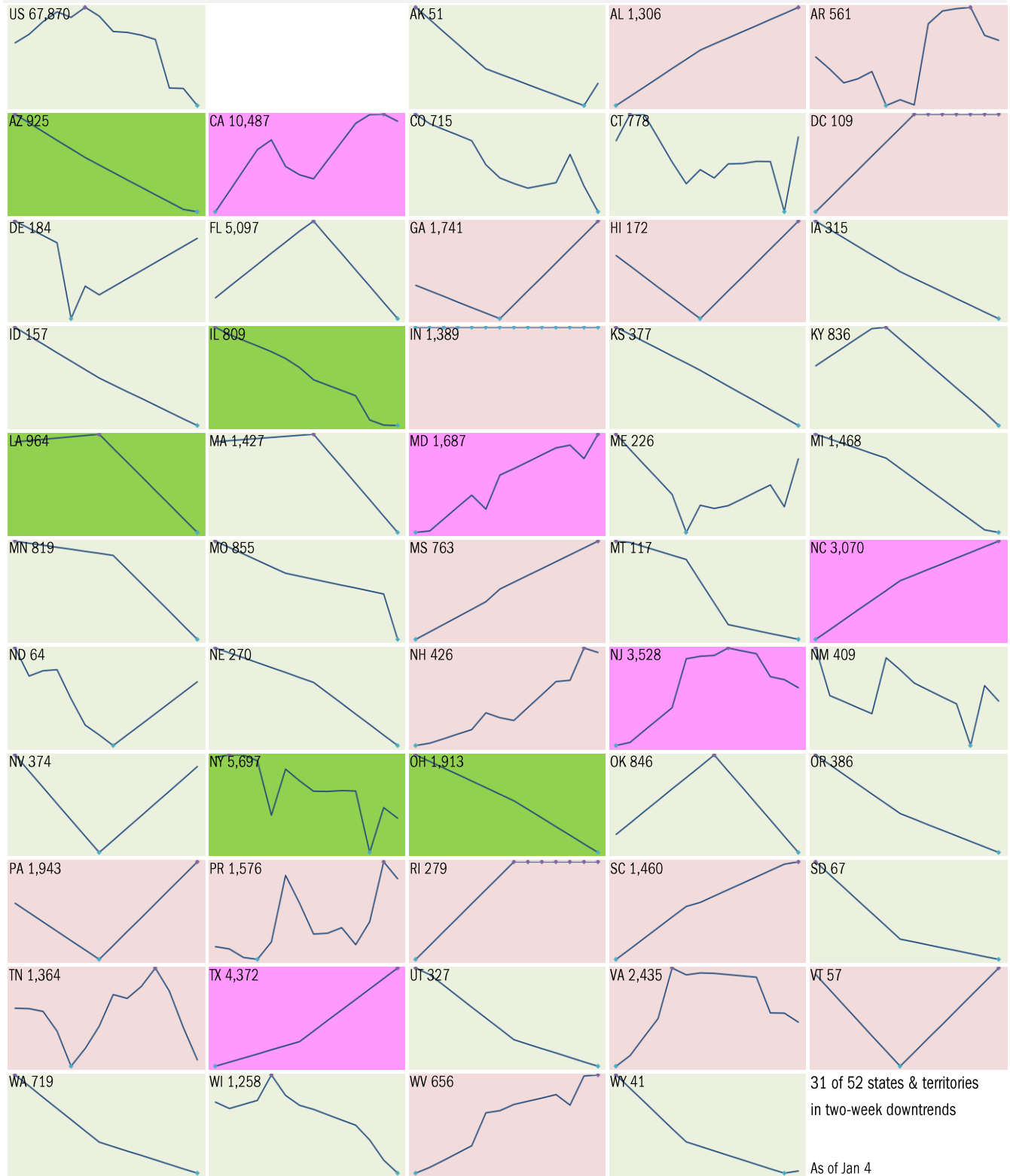


Source: [Johns Hopkins](#), TrendMacro calculations

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

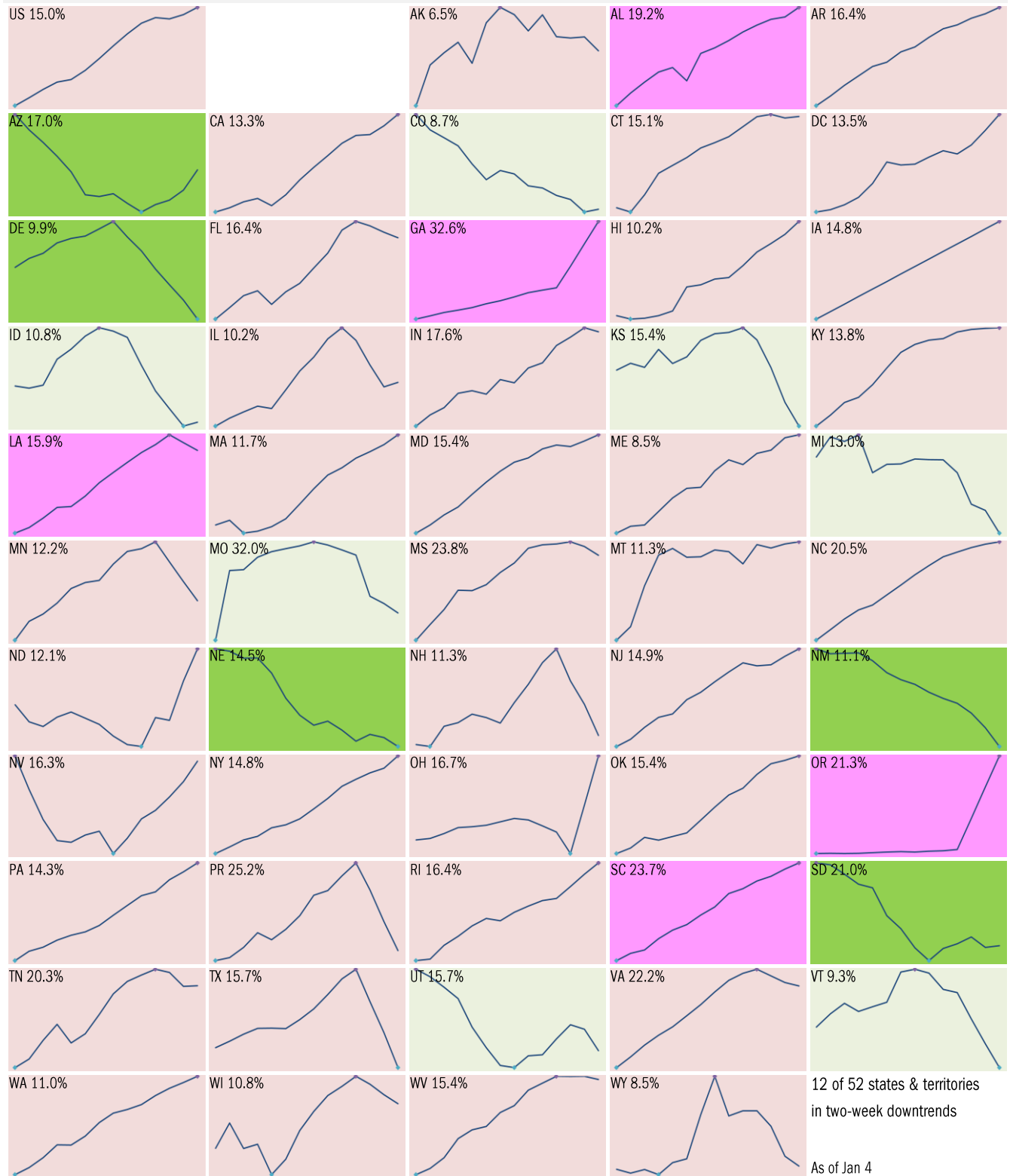


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

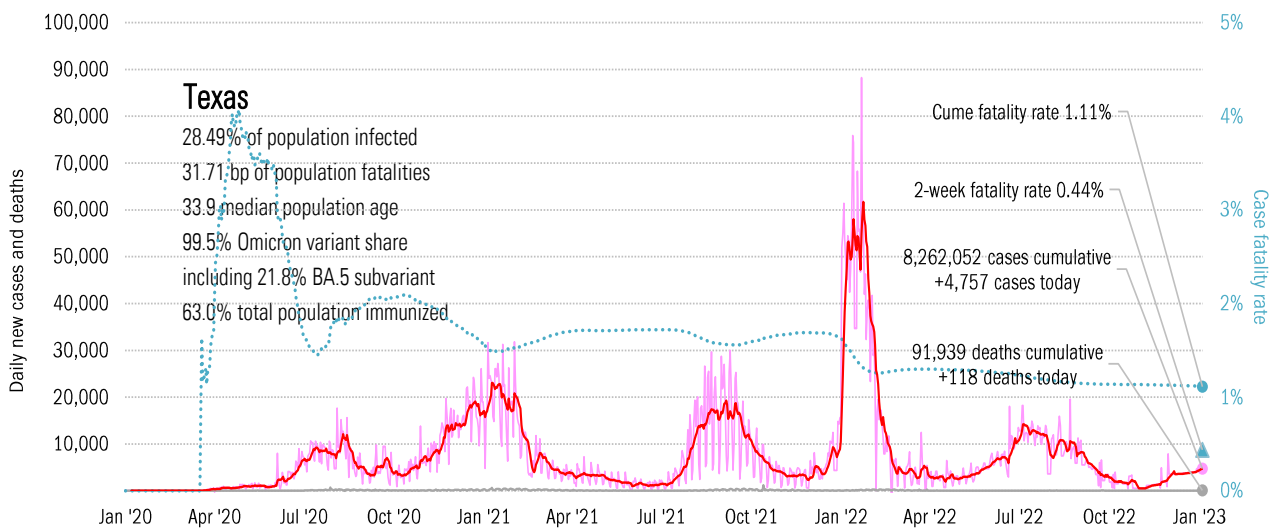
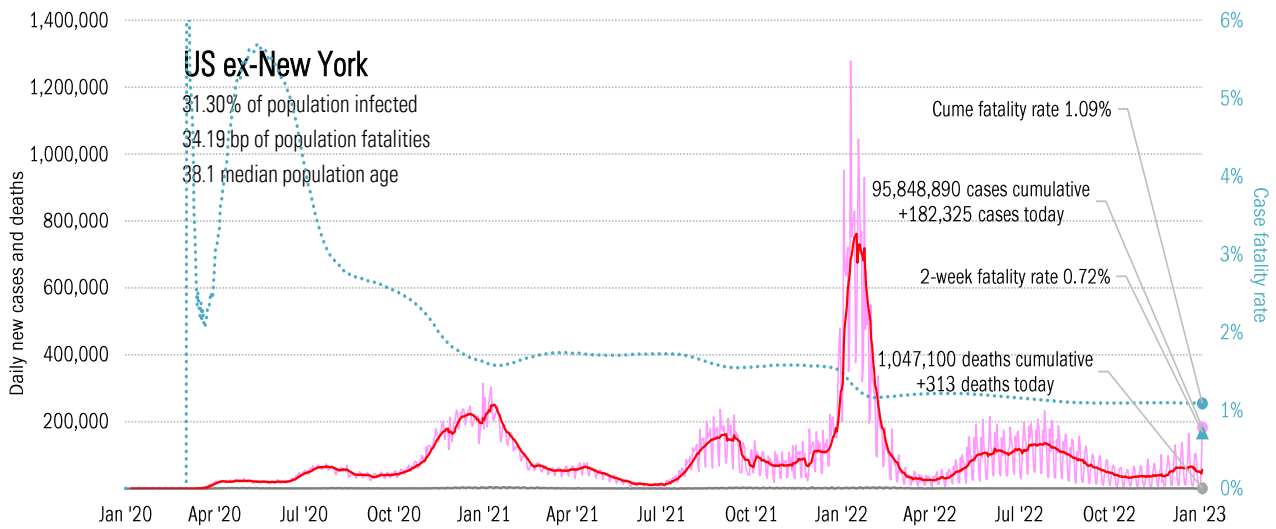
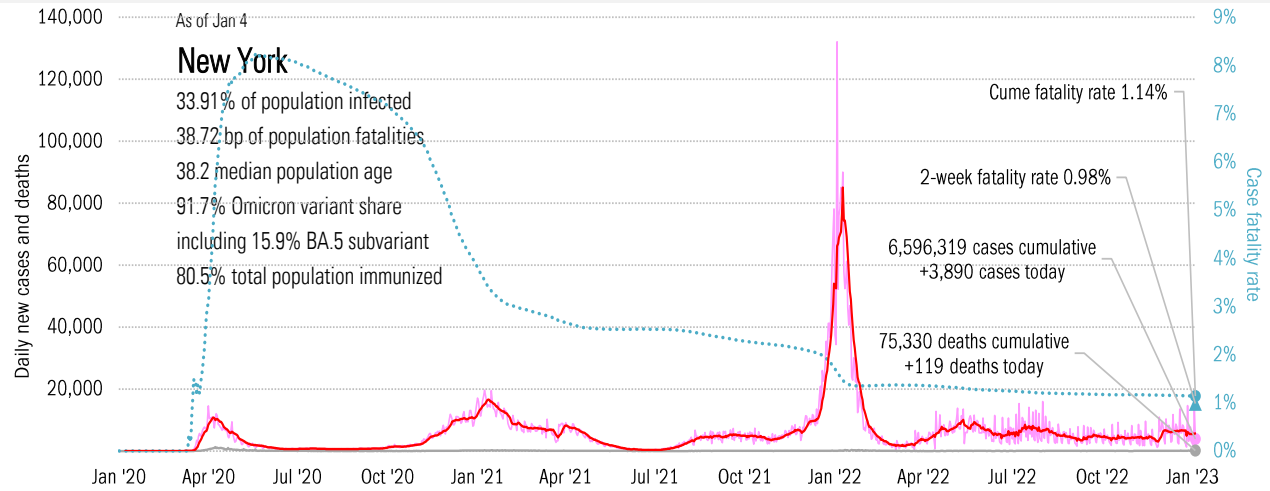
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

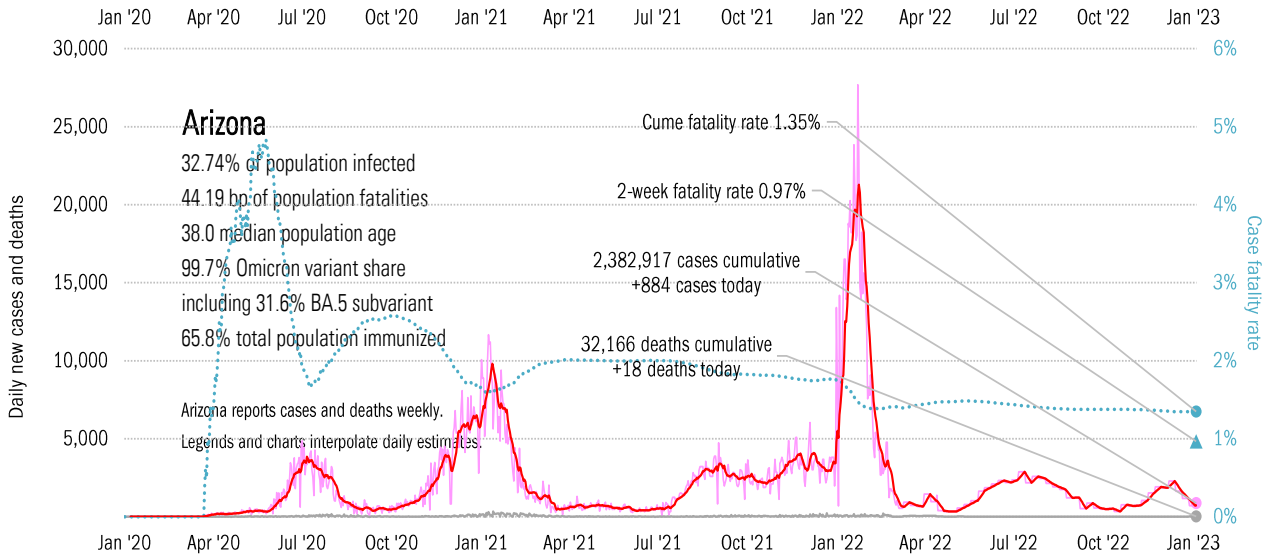
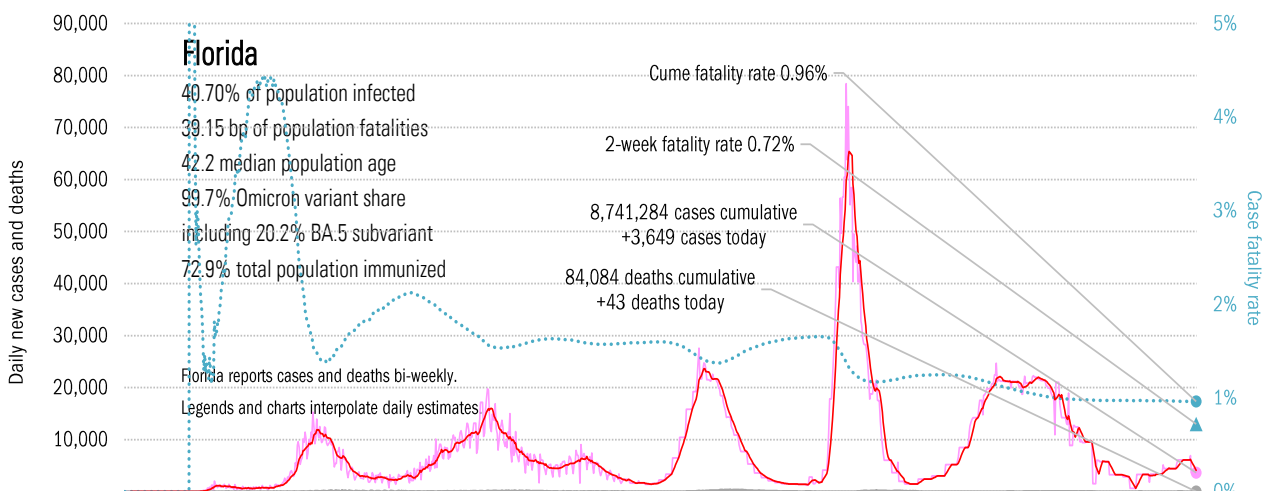
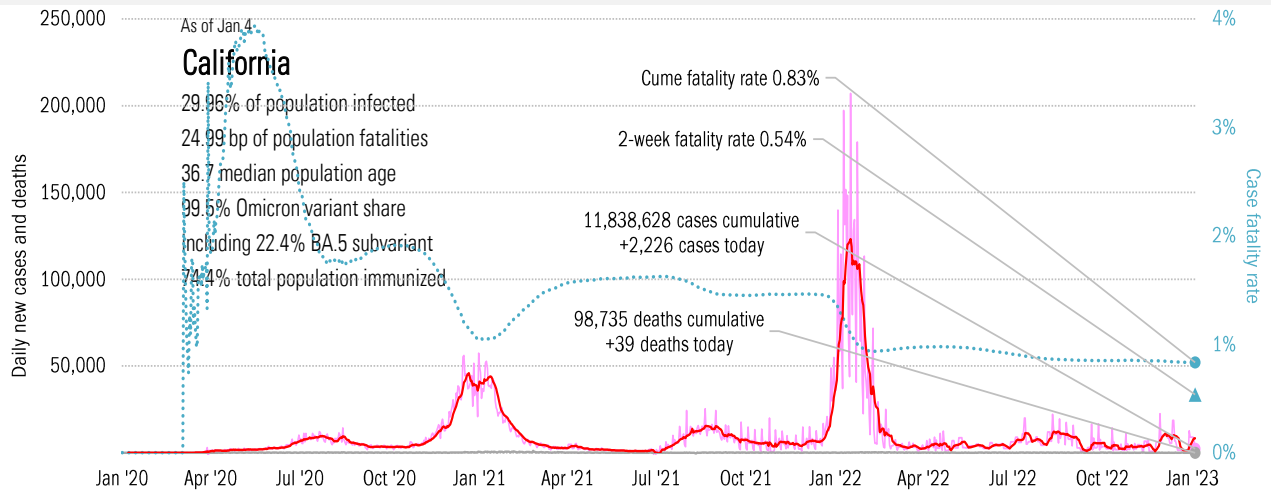
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

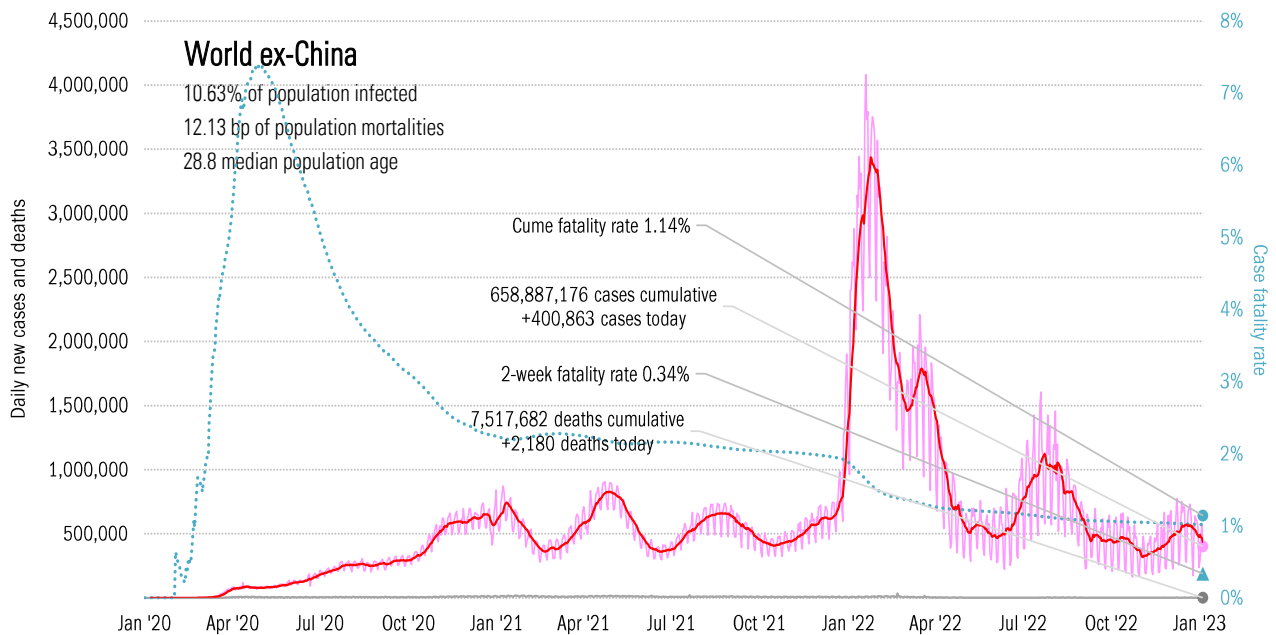
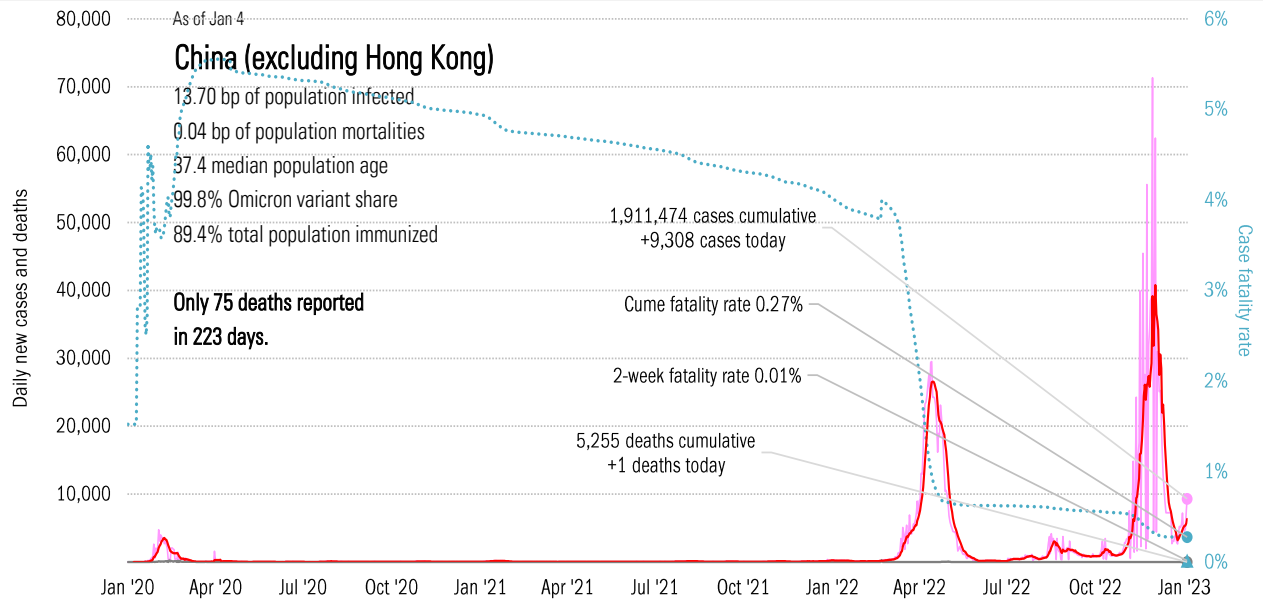
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

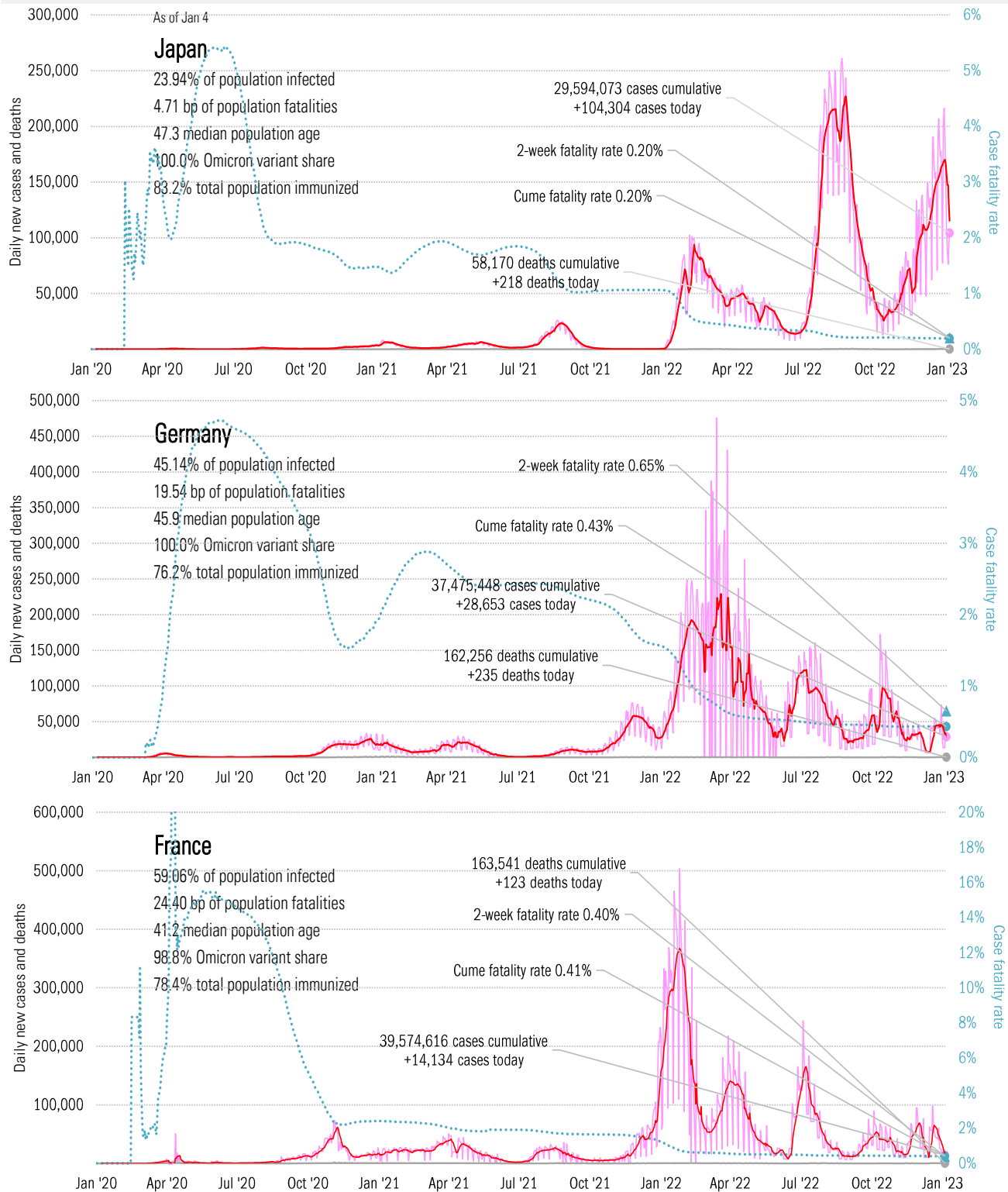
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

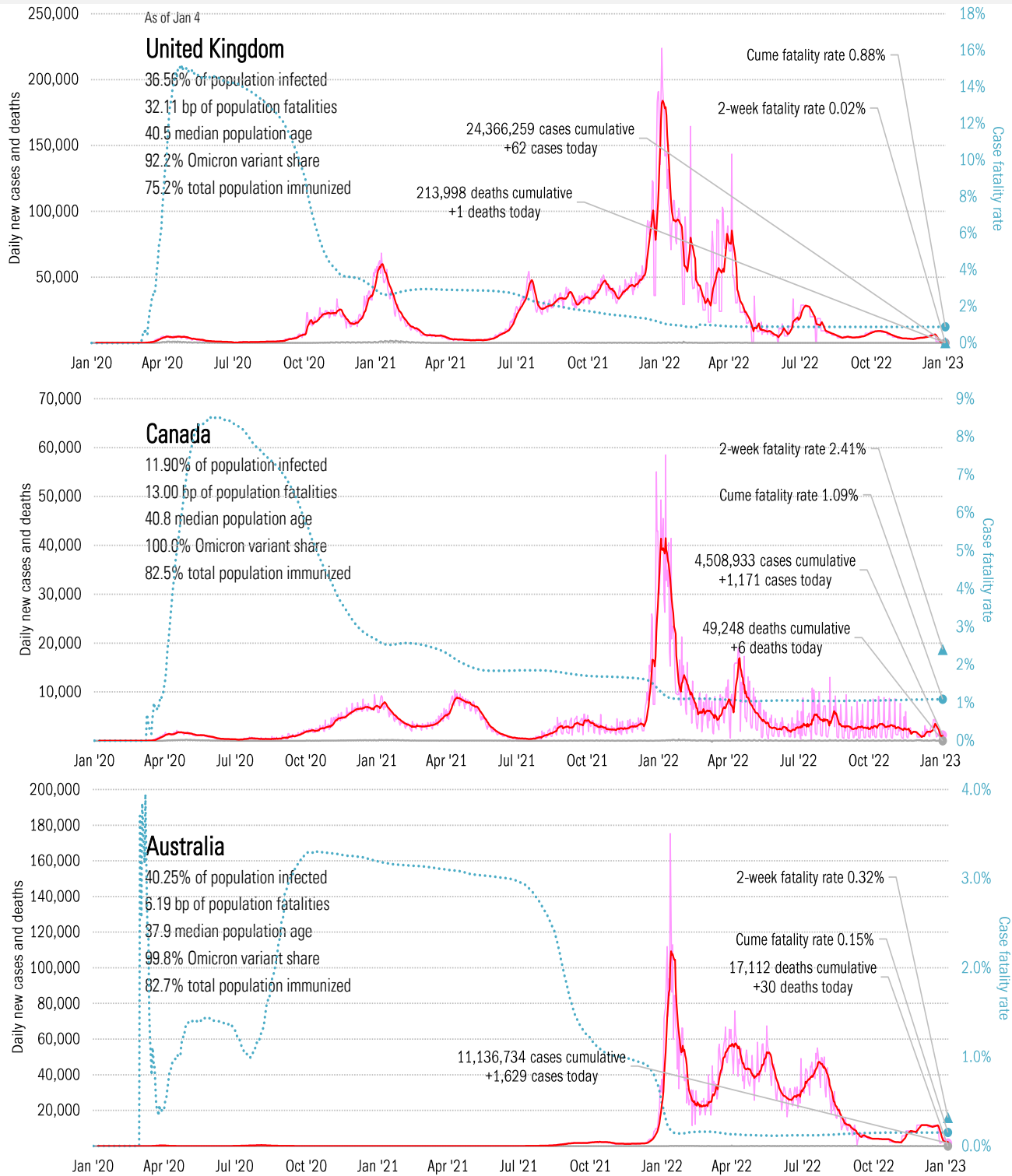
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

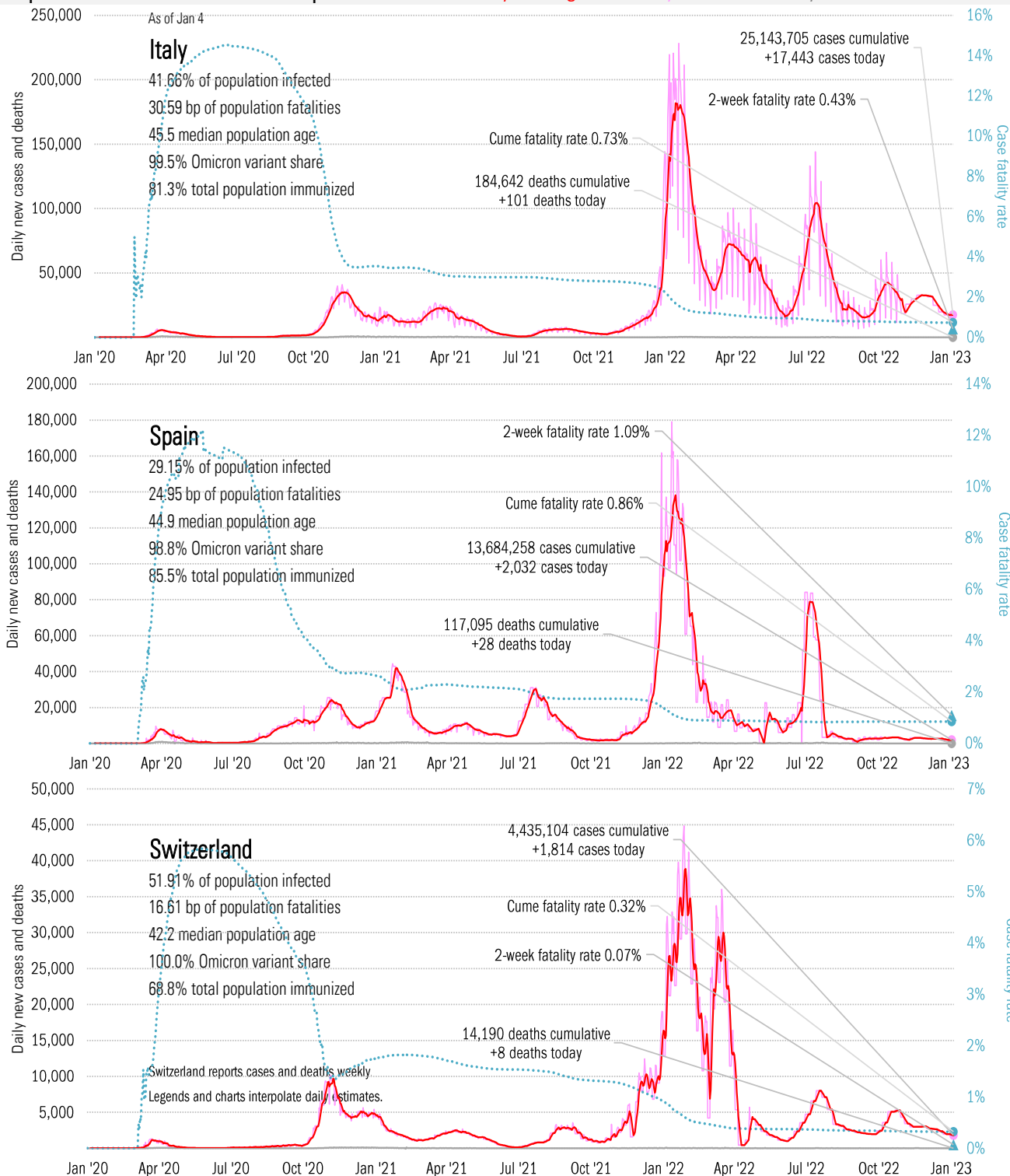
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

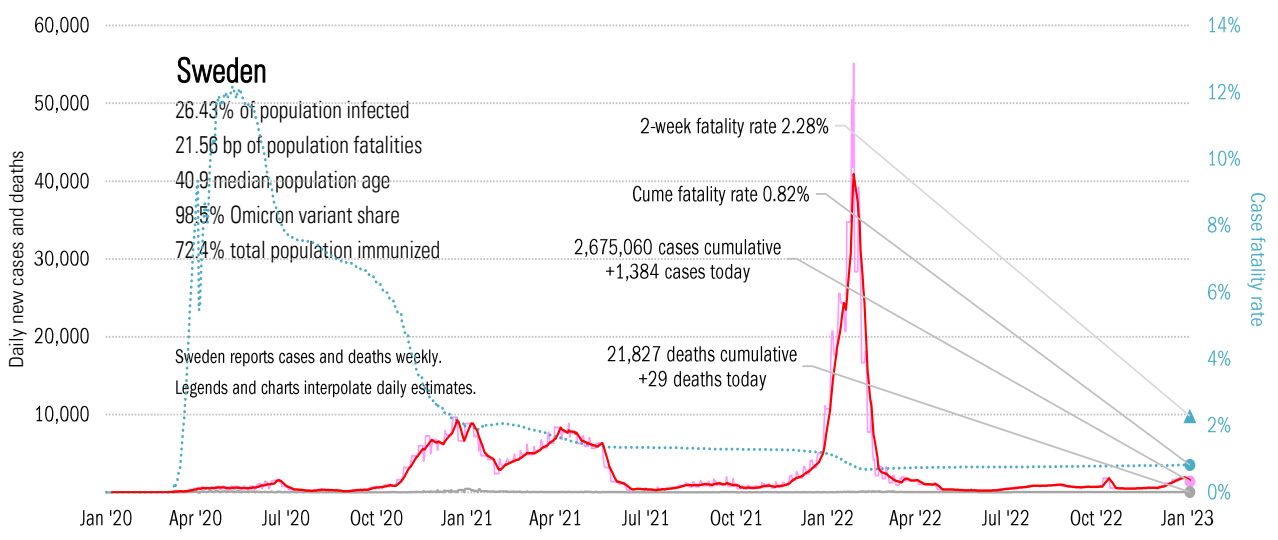
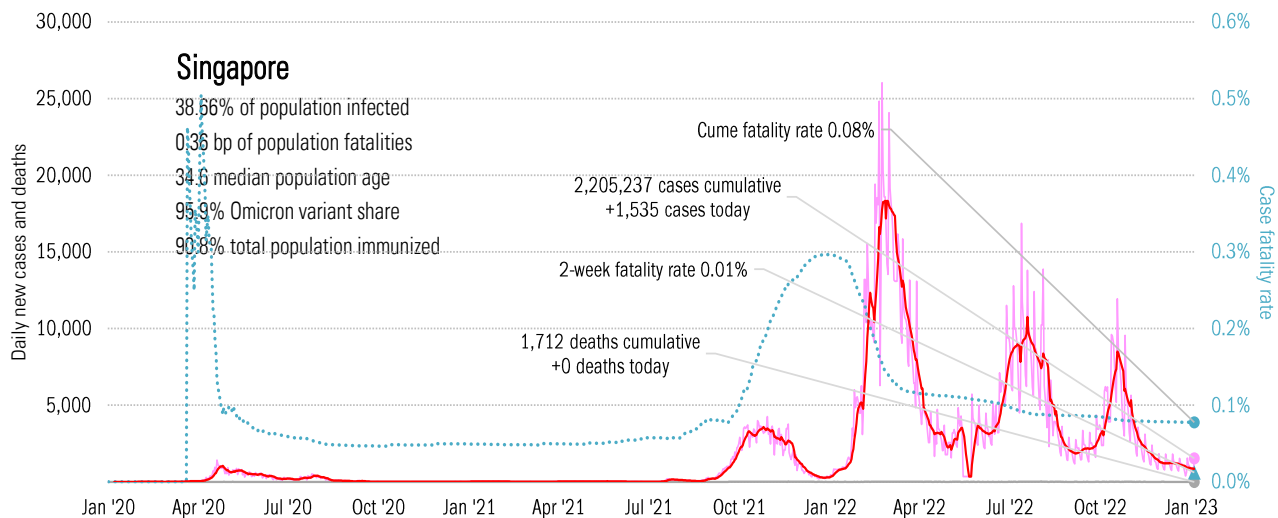
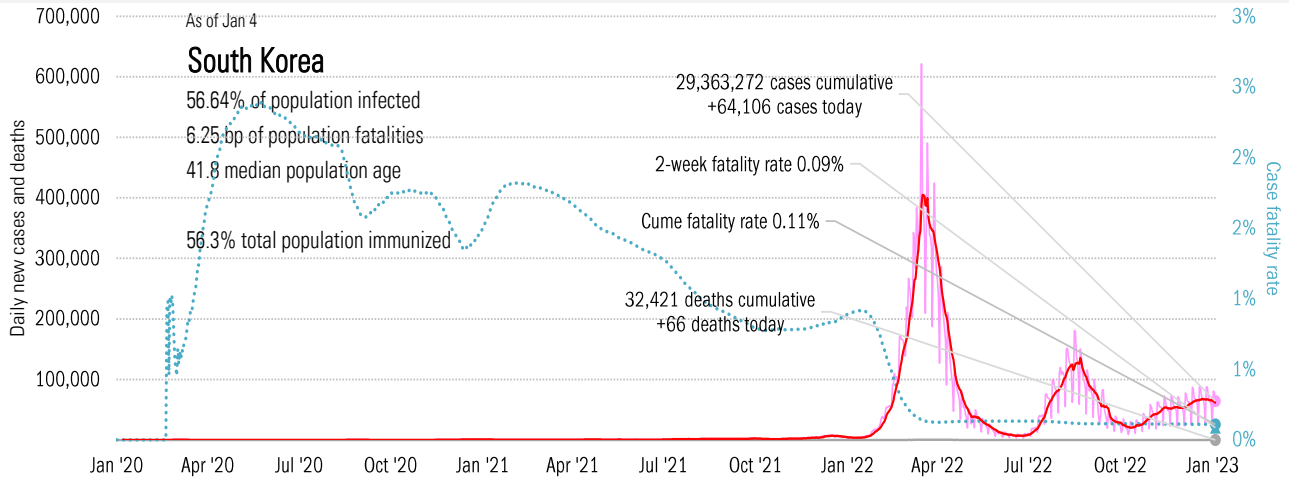
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

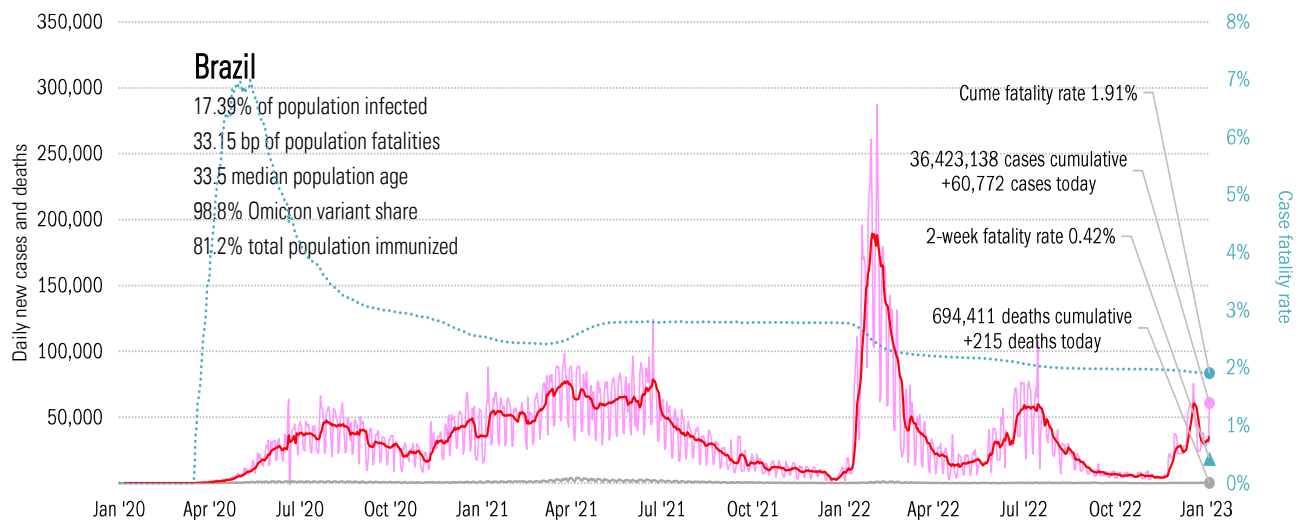
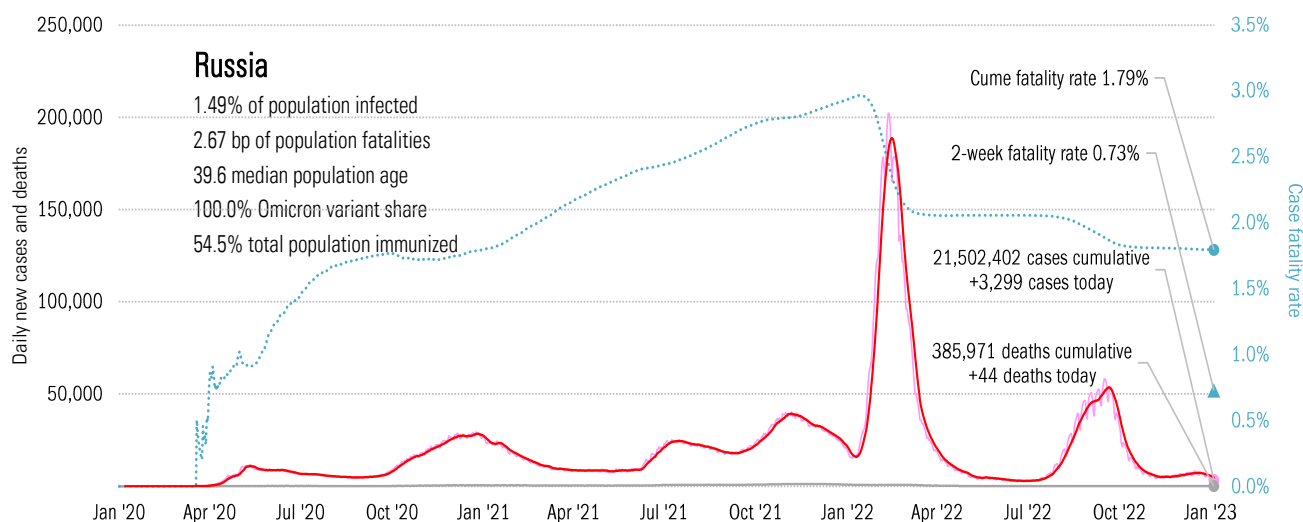
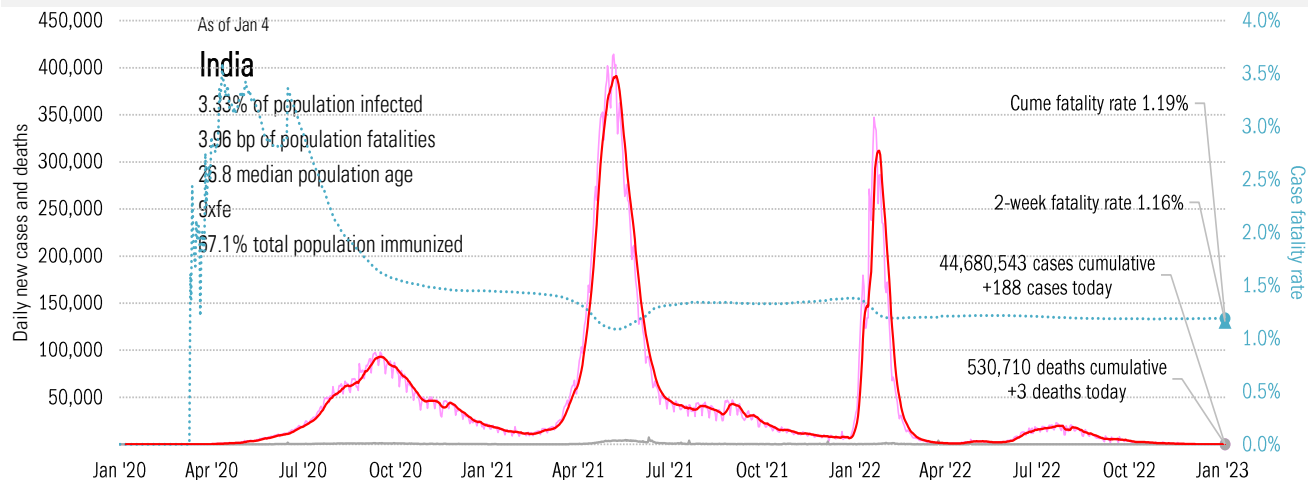
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

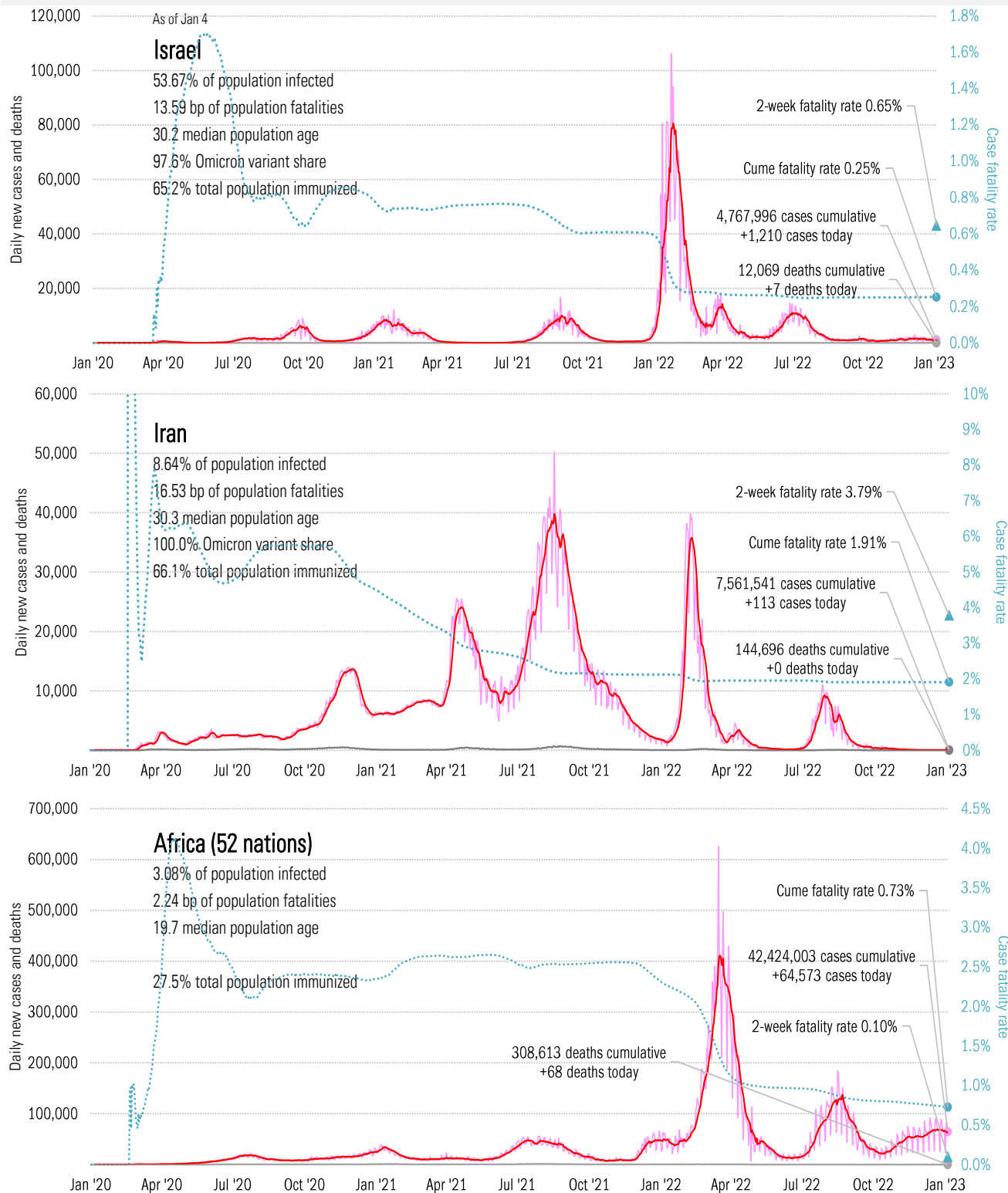
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

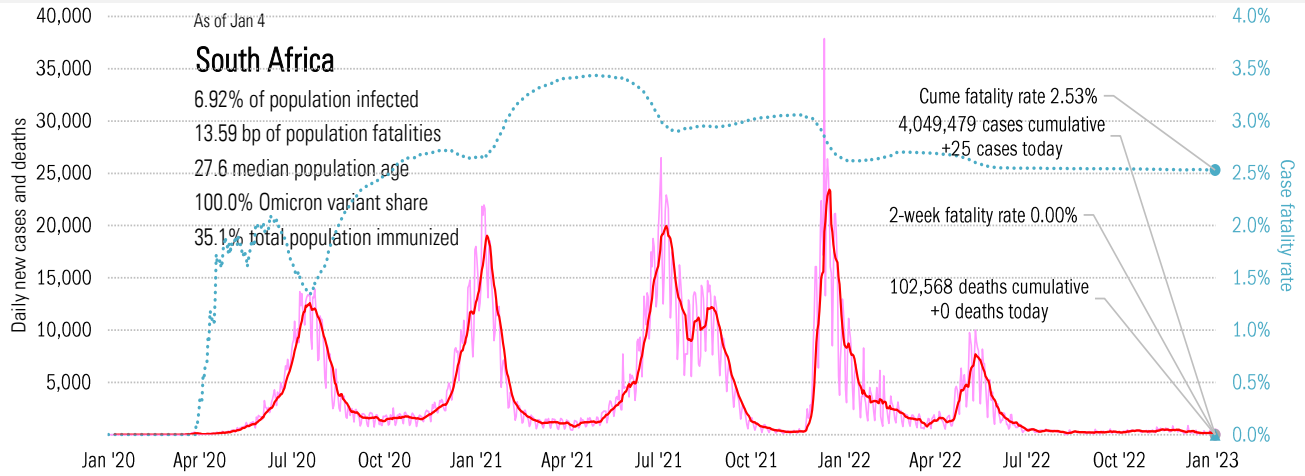
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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