

Data Insights: Covid-2019 Monitor

Sunday, January 8, 2023

The global scorecard

Cases: **7-day average** and **daily** Deaths: Daily

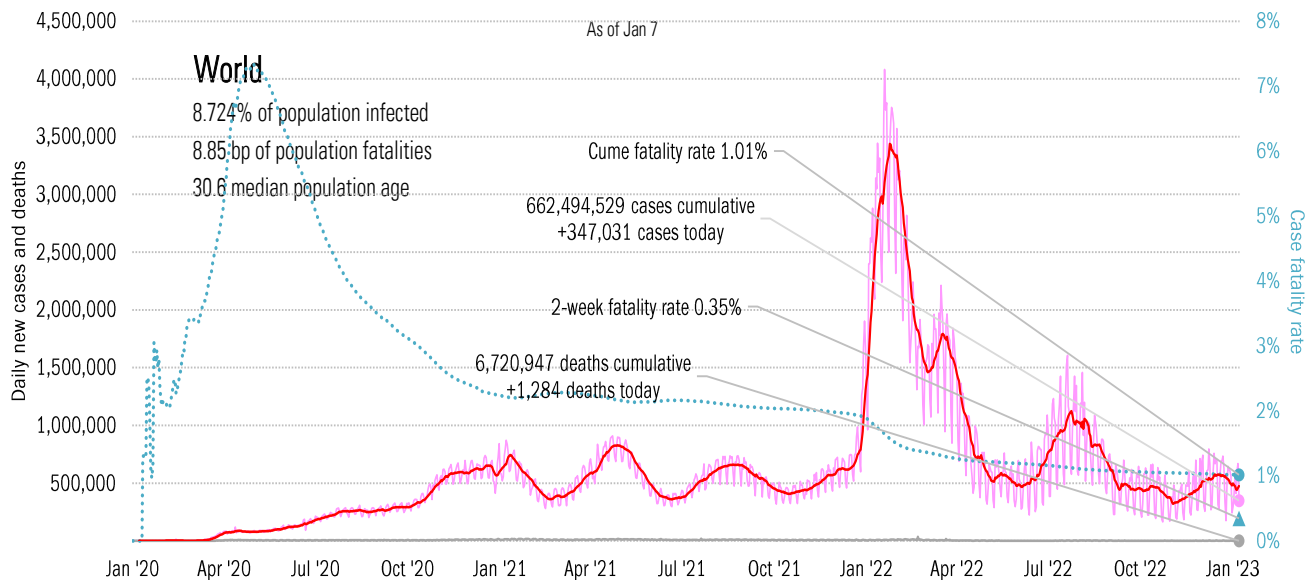
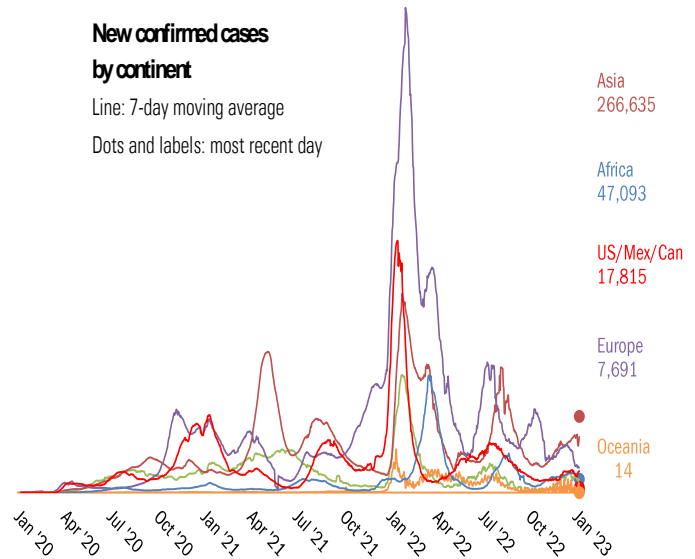
The worst ten countries

New cases		New Deaths	
Japan	238,654	Japan	463
United States	64,347	United States	461
Korea, South	46,766	Brazil	368
Brazil	27,038	Germany	170
Taiwan*	24,410	Italy	111
Italy	19,425	Taiwan*	61
Australia	14,949	Spain	53
Germany	13,169	Russia	48
France	10,383	Sweden	45
China	7,074	Korea, South	34
466,215		1,813	

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

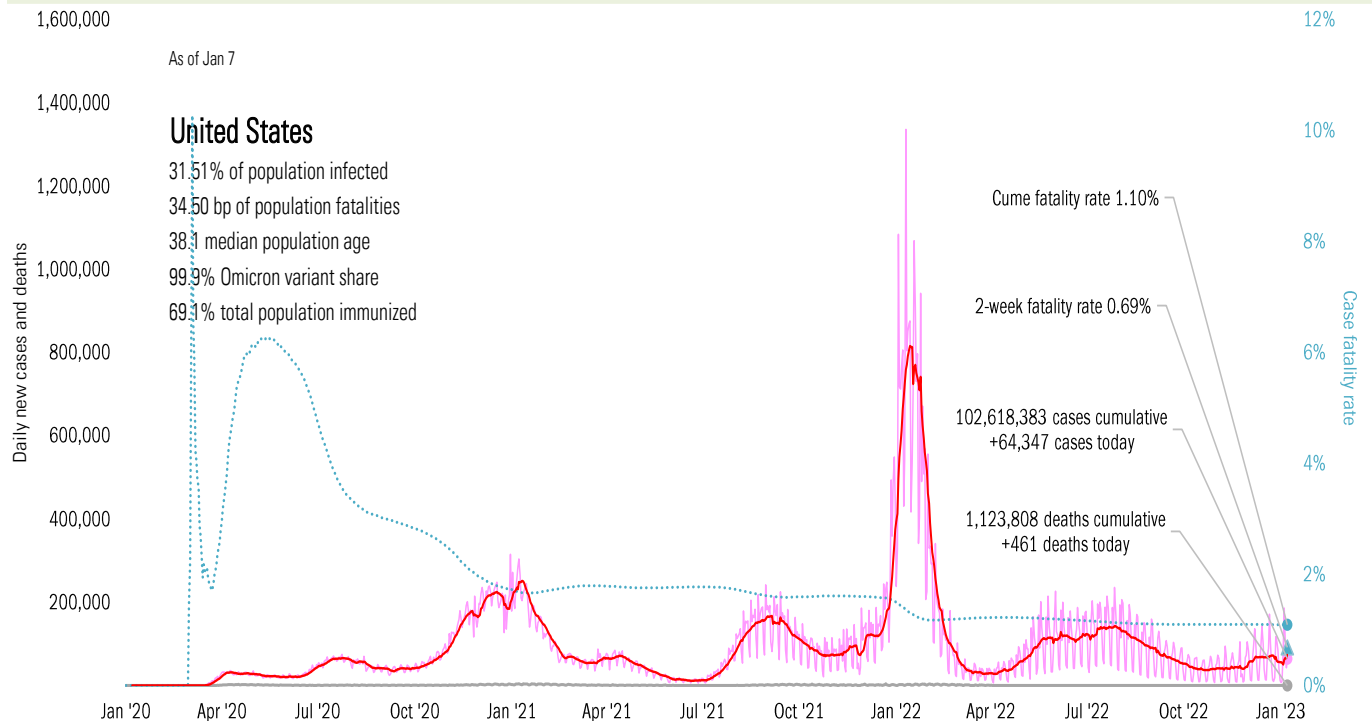
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
FL	11,536		IL	45		GA	245		CA	11,878,886		CA	98,922		TX	572,512		RI	90%	VT	92%
CA	6,069		NY	42		CT	150		TX	8,266,908		TX	91,949		CA	546,951		MO	88%	MA	90%
NJ	4,253		FL	39		NJ	298		FL	7,393,712		FL	84,176		FL	517,220		WA	87%	TX	90%
TX	3,482		CA	28		SC	138		NY	6,613,669		NY	75,429		NY	339,138		MD	87%	NC	89%
NC	3,070		MA	22		LA	116		IL	3,981,275		PA	49,034		CH	237,551		NH	87%	MS	89%
NY	2,746		CT	22		PA	250		PA	3,431,861		GA	41,520		GA	235,961		DE	87%	NH	89%
PA	2,145		PA	20		WI	109		NC	3,359,796		CH	41,033		PA	222,138		AK	85%	AL	87%
VA	2,108		RI	19		NY	535		CH	3,321,463		MI	40,836		IL	205,976		MN	85%	KY	87%
CH	1,985		AZ	18		WA	76		GA	2,998,991		IL	40,747		MI	176,235		NC	85%	MO	87%
GA	1,971		TX	18		DC	29		MI	2,998,447		NJ	35,589		NJ	155,064		MI	85%	RI	87%
39,364			274			1,946			54,245,008			599,235			3,208,746						
All states	64,347			461			6,358		All states	102,618,383			1,123,808			5,821,972		All states	70%		67%
Top ten	61%			60%			31%		Top ten	54%			55%			55%		Median	80%		80%

Some states not reporting

Five most improved US states

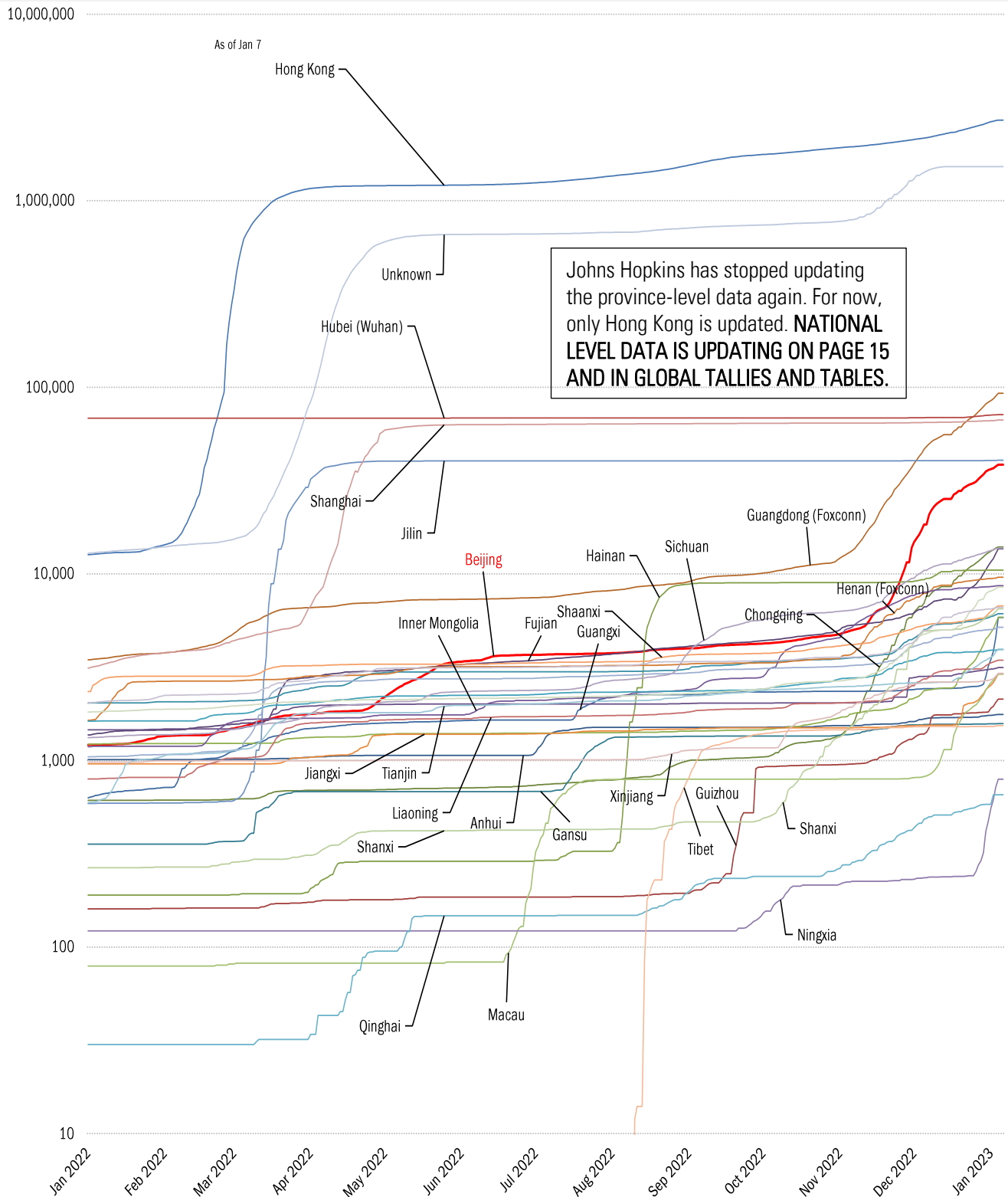
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-4,966	MT	-2	TX	-232
AR	-192	AR	-1	CA	-167
ME	-41	AK	0	FL	-133
AK	0	AL	0	VA	-119
AL	0	AZ	0	CH	-110



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"

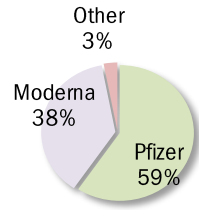


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered Doses	Cumulative			Today	Immunity	Full	Partial
	681,672,640			+0.183 million	US	69.0%	80.8%
				Of which boosters: +0.157 million	UK	75.2%	79.7%
					France	78.4%	80.6%
	One dose	% Pop	Immune	% pop	New immune today		
Total population	276,944,352	83%	236,067,457	71%	+0.018 million	Spain	85.5% 86.9%
Age 12 to 17	18,423,075	73%	15,770,112	62%	+0.001 million	Germany	76.2% 77.8%
Age 18 to 64	184,170,530	91%	156,546,552	77%	+0.010 million	Italy	81.3% 86.2%
Age 65 and over	60,993,756	100%	53,409,974	97%	+0.003 million	Australia	82.7% 84.9%
						Israel	65.2% 71.1%
						Canada	82.5% 90.1%
						Japan	83.2% 84.4%
						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

"Immunity" = two doses

AK
72.8%
65.0%

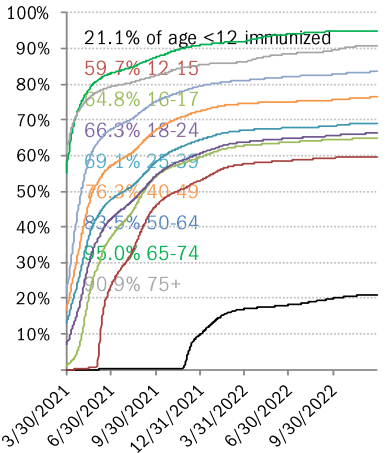
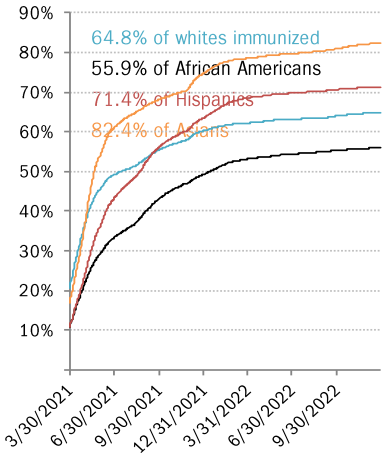
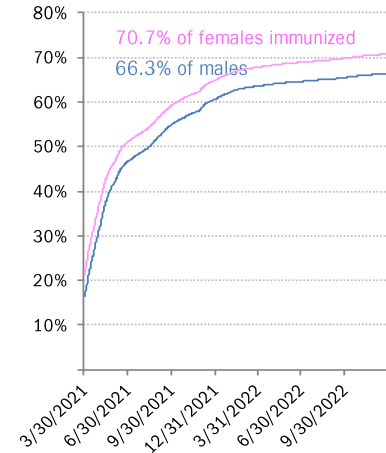
WI
74.9%
68.0%

As of Jan 6

ME
95.0%
83.1%

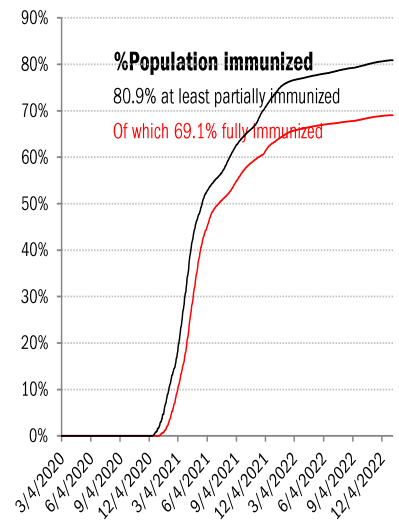
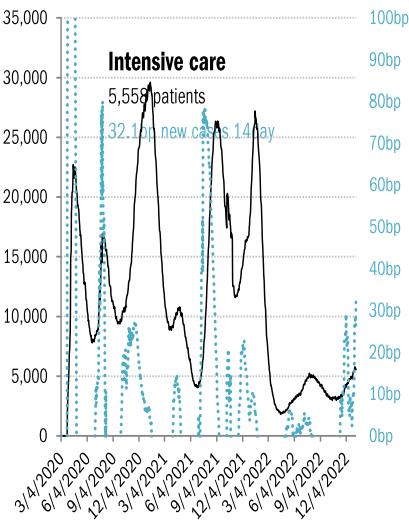
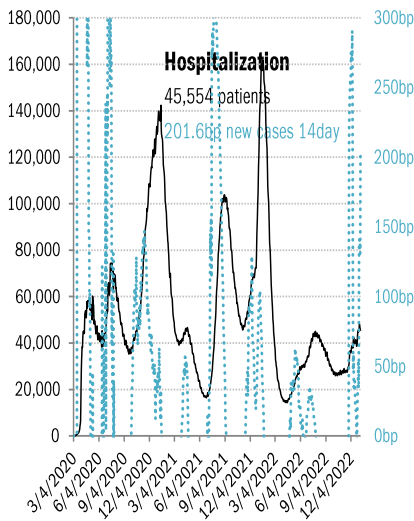
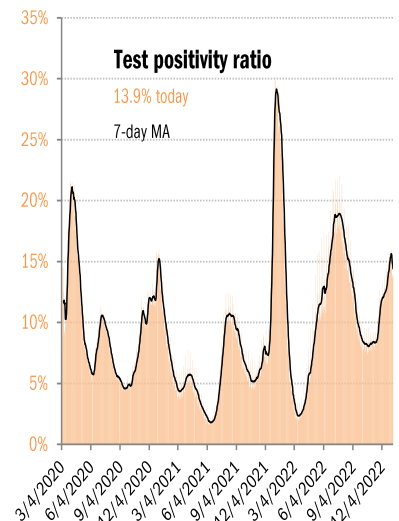
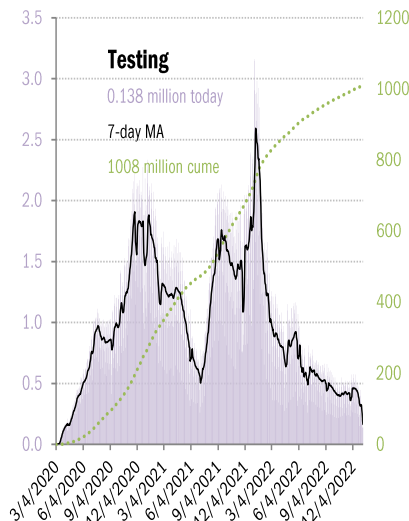
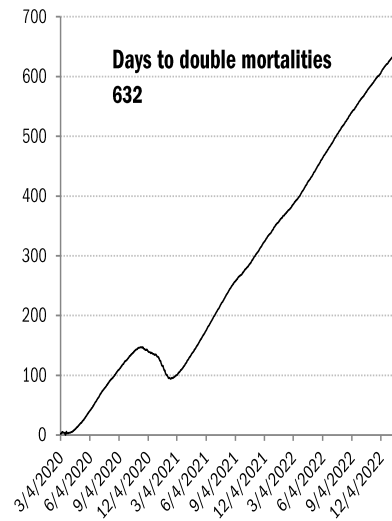
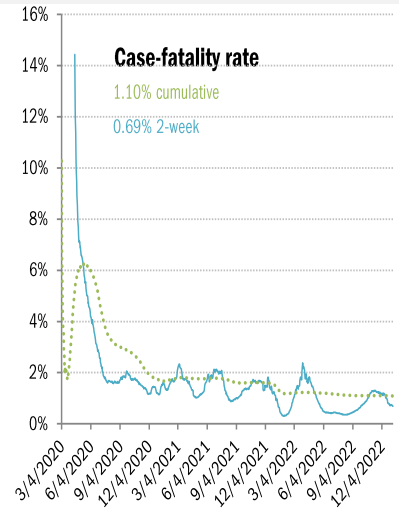
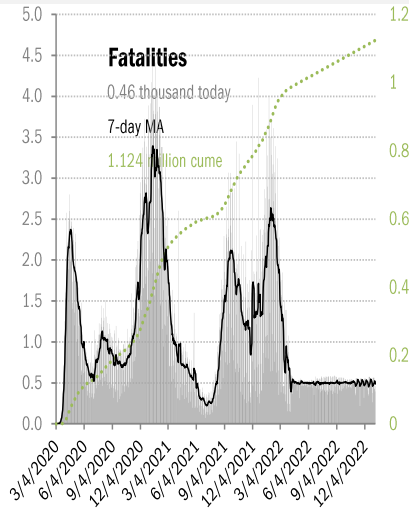
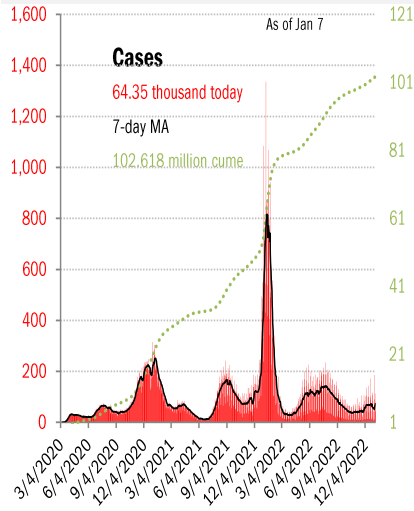
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
84.9%	63.7%	68.1%	69.1%	78.5%	78.9%	69.3%	94.1%	95.0%	87.5%	
75.8%	56.3%	59.0%	58.4%	71.9%	71.0%	62.2%	80.5%	85.3%	71.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.3%	77.3%	60.8%	83.5%	70.5%	64.2%	65.6%	90.2%	94.3%	95.0%	
72.2%	63.6%	52.9%	66.0%	64.2%	57.6%	60.3%	73.0%	78.9%	83.9%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.4%	75.0%	83.4%	73.2%	69.1%	68.7%	67.3%	90.7%	91.4%	95.0%	95.0%
74.4%	66.5%	73.2%	66.1%	58.9%	59.5%	59.6%	76.4%	79.4%	82.8%	87.4%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
77.2%	93.9%	75.9%	69.7%	64.3%	91.7%	70.8%	95.0%	87.9%		
65.8%	74.9%	65.0%	56.7%	56.2%	66.8%	59.7%	85.5%	73.1%		
OK	LA	MS	AL	GA						
74.4%	62.7%	61.5%	64.8%	68.2%						
60.3%	54.9%	53.6%	53.0%	57.1%						
TX										
76.1%										
63.1%										
HI							FL		PR	
91.1%							82.1%		95.0%	
81.3%							69.2%		86.7%	

The demographics of US vaccination

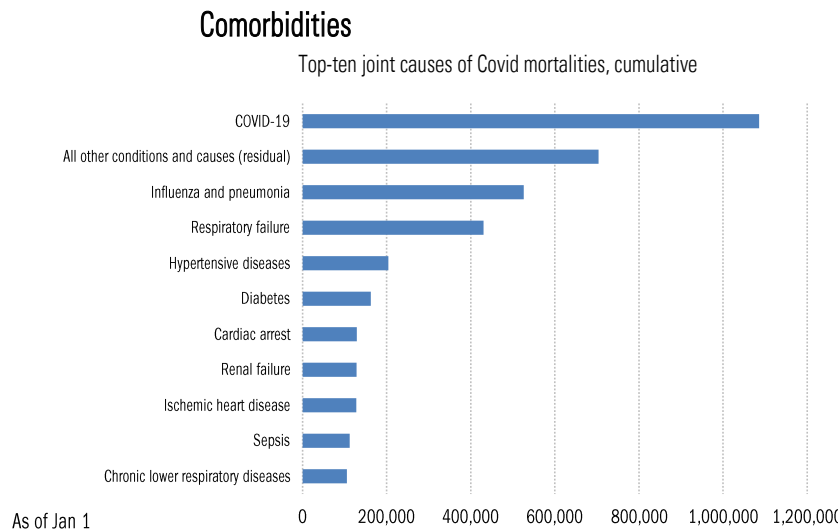
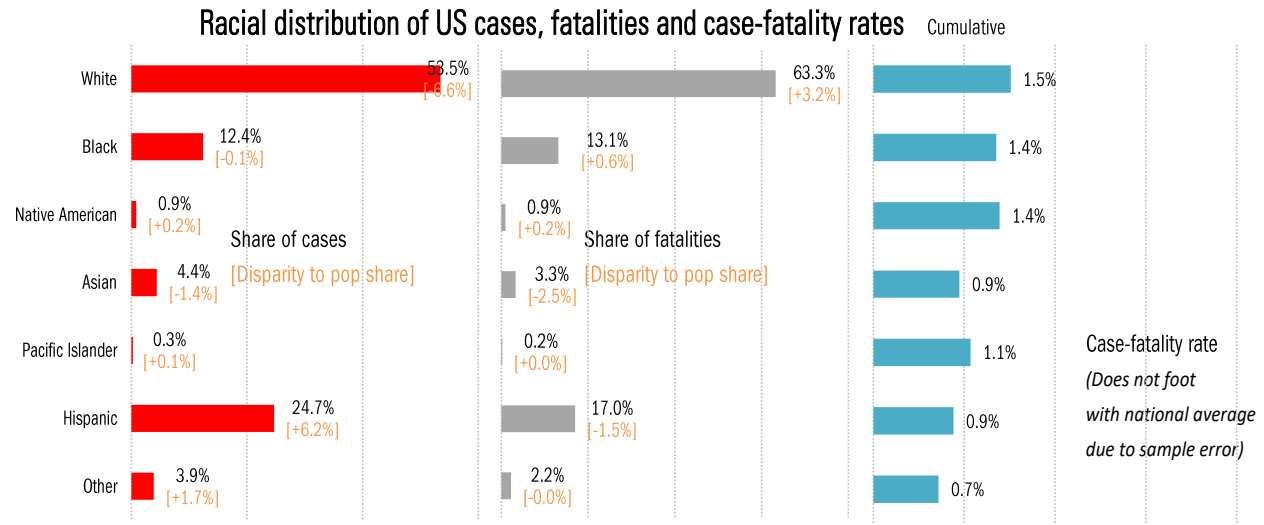
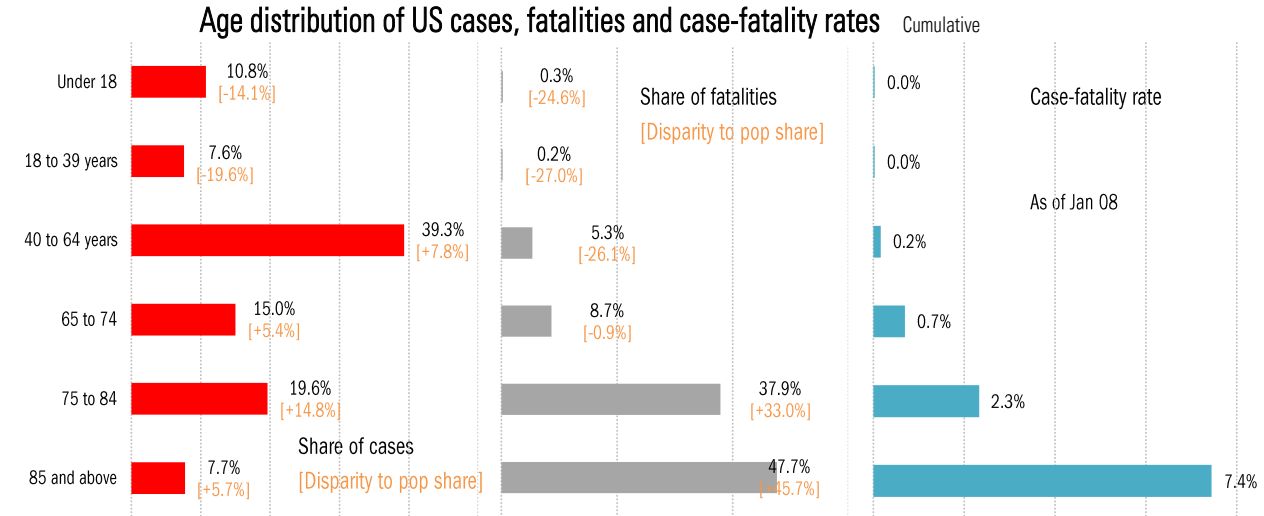


Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive



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



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

[The first-ever vaccine for honeybees has been approved by the USDA](#)

Zoe Sottile
CNN
January 7, 2023

[My first dive into the Twitter Files is coming soon](#)

Alex Berenson
Unreported Truths
January 7, 2023

[China reopens borders in final farewell to zero-COVID](#)

Joyce Zhou and Yew Lun Tian
Reuters
January 8, 2023

[Mitigating the Spread of COVID-19 in Head Start Programs](#)

Department of Health and Human Services
January 6, 2023

[Health Experts Warily Eye XBB.1.5, the Latest Omicron Subvariant](#)

Carl Zimmer
New York Times
January 7, 2023

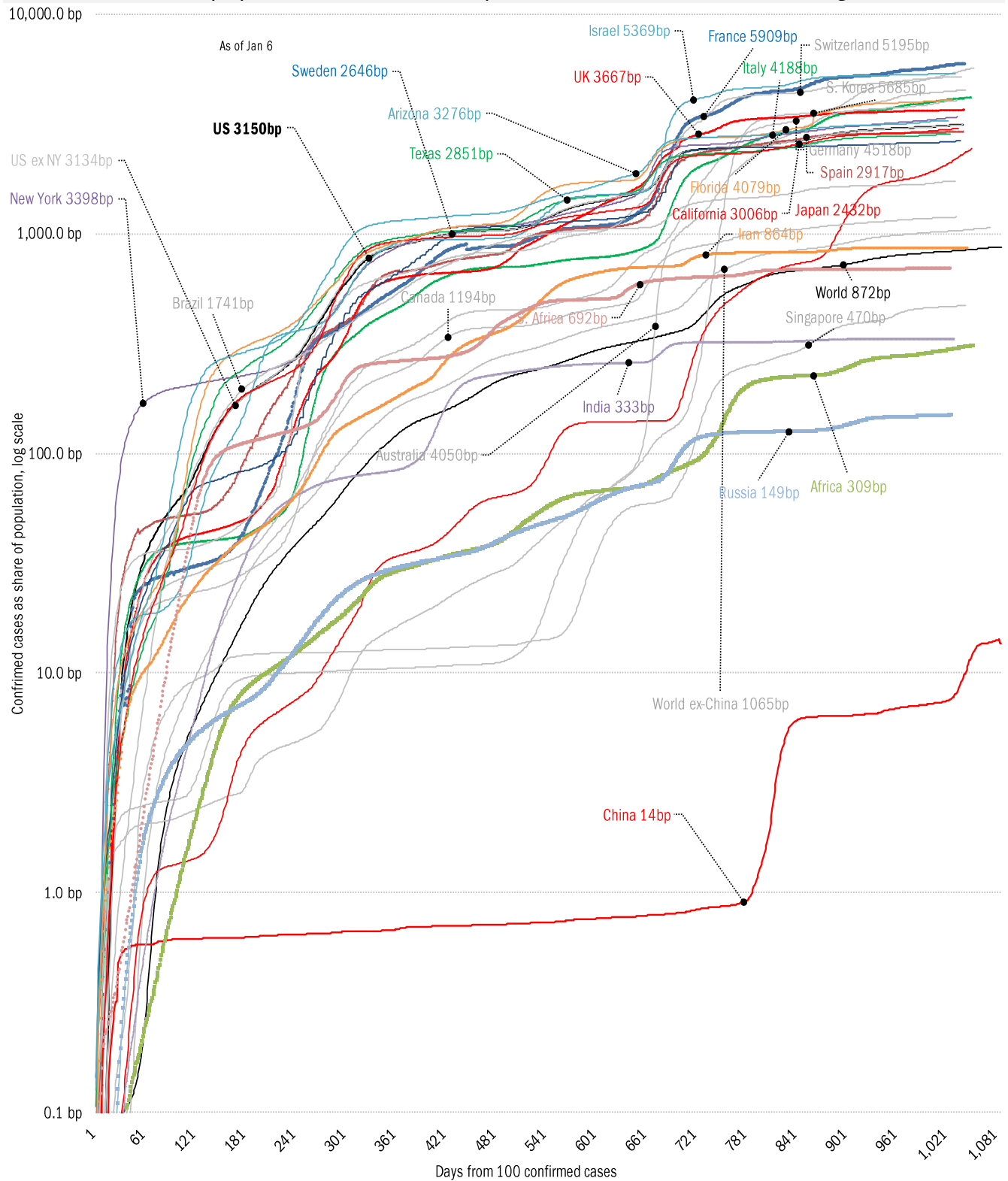
Meme of the Day



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

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

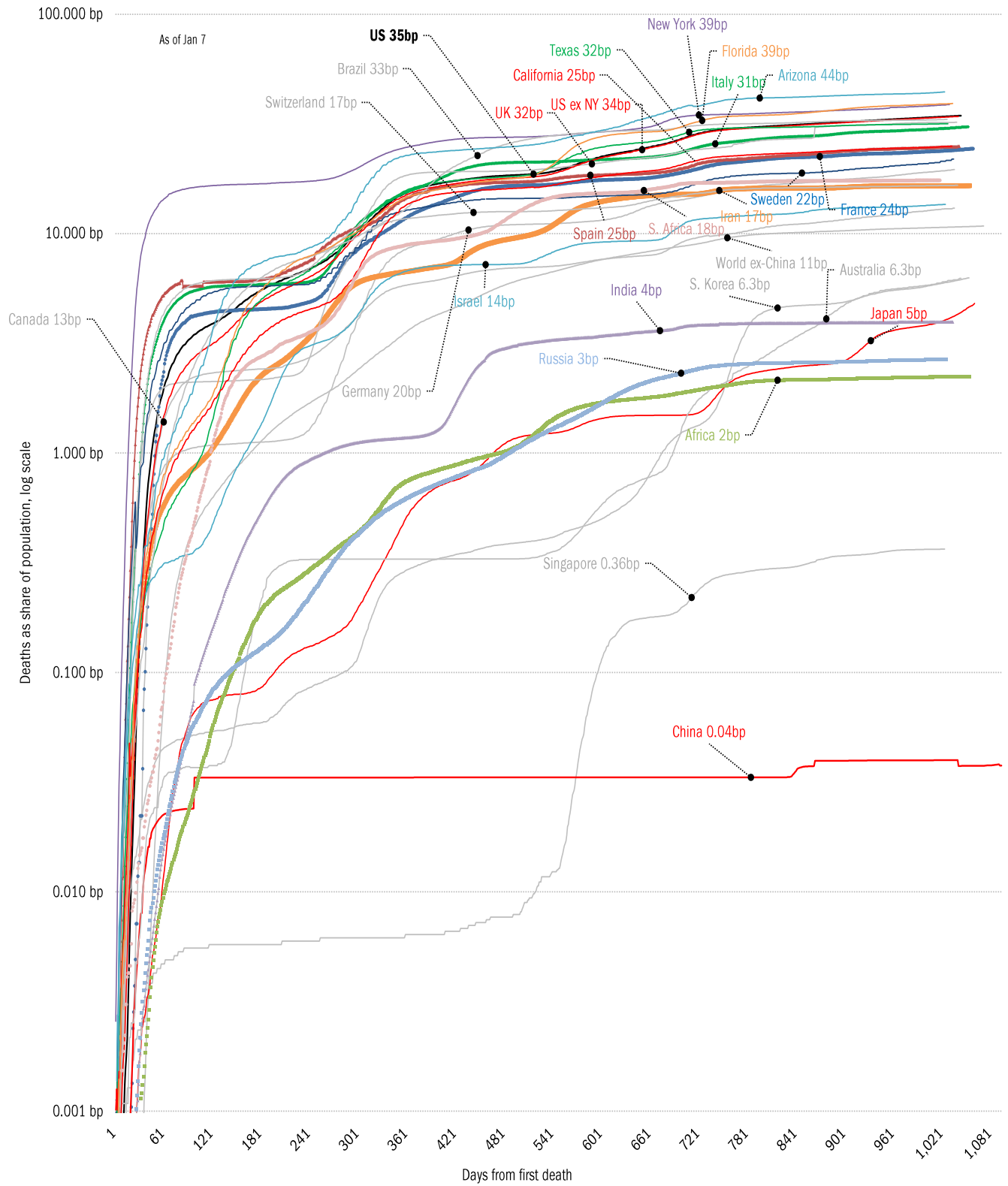
Share of infected population from first day with 100 confirmed cases, log scale



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

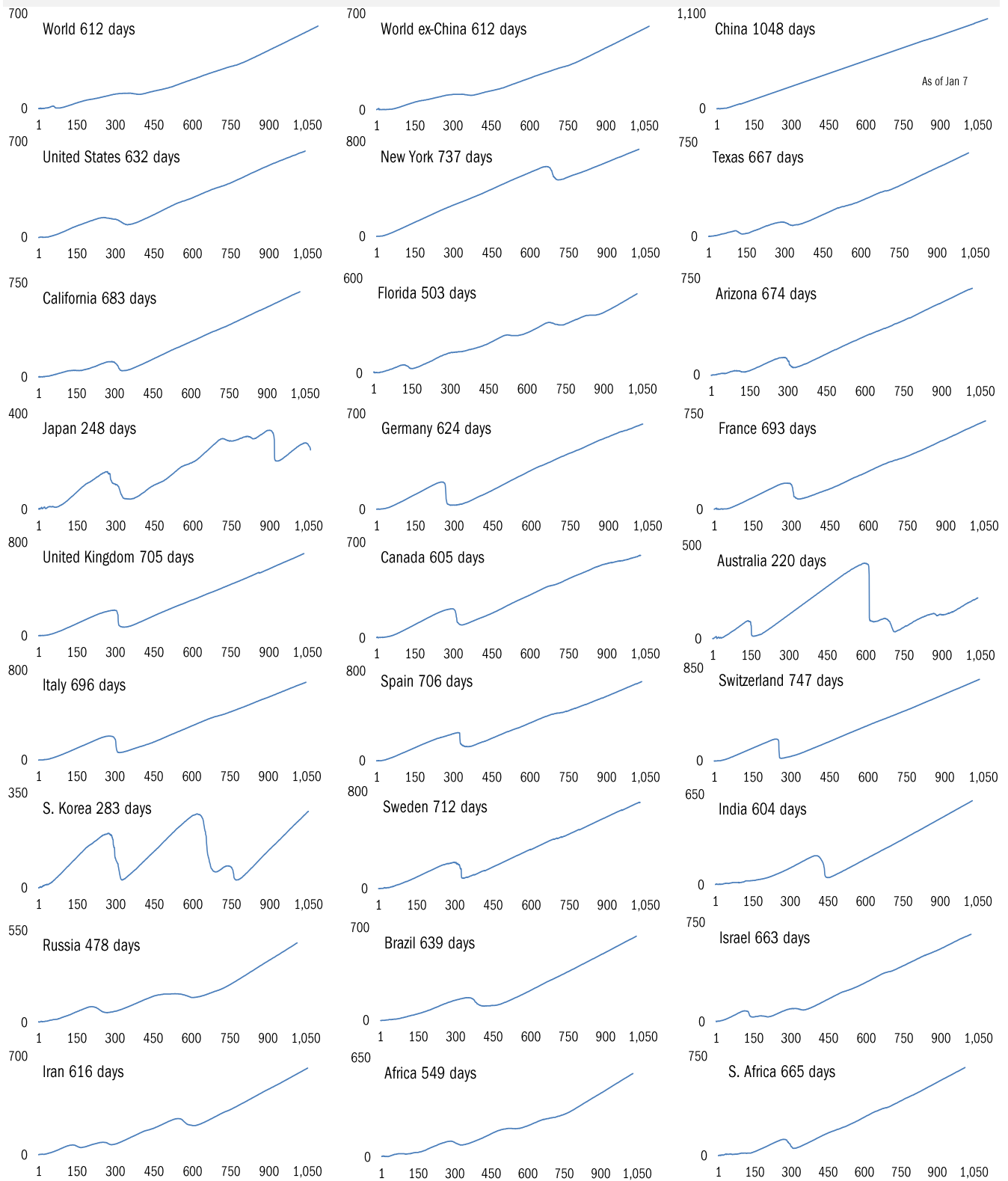


Source: [Johns Hopkins](#), TrendMacro calculations

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

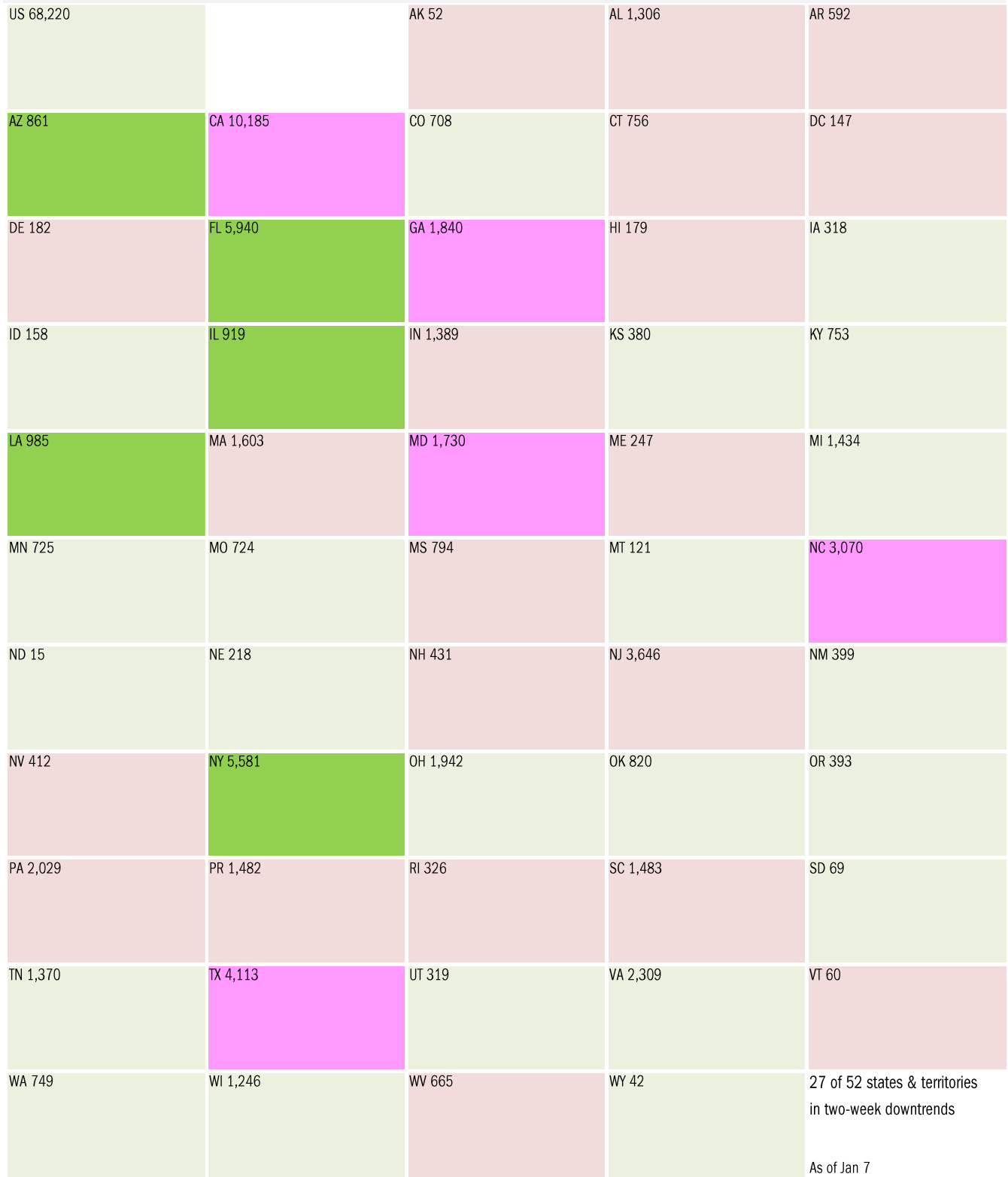


Source: [Johns Hopkins](#), TrendMacro calculations

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

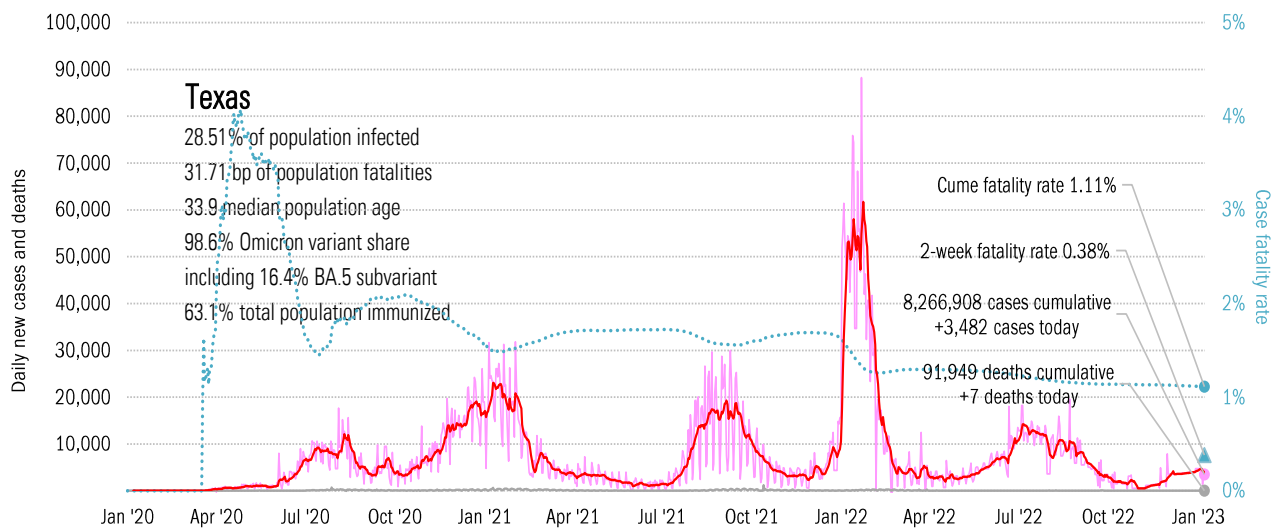
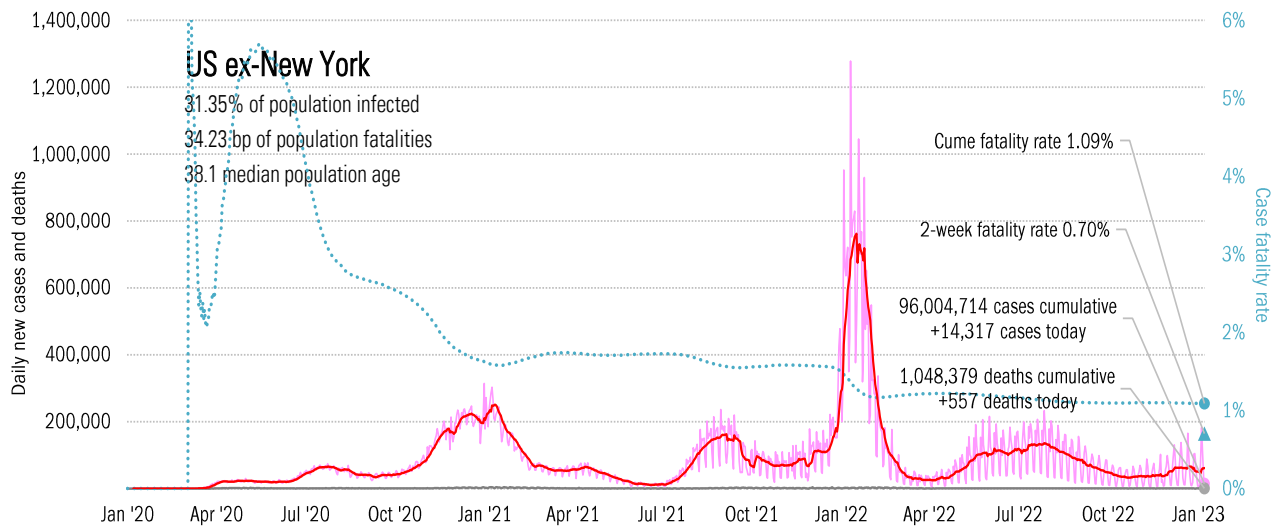
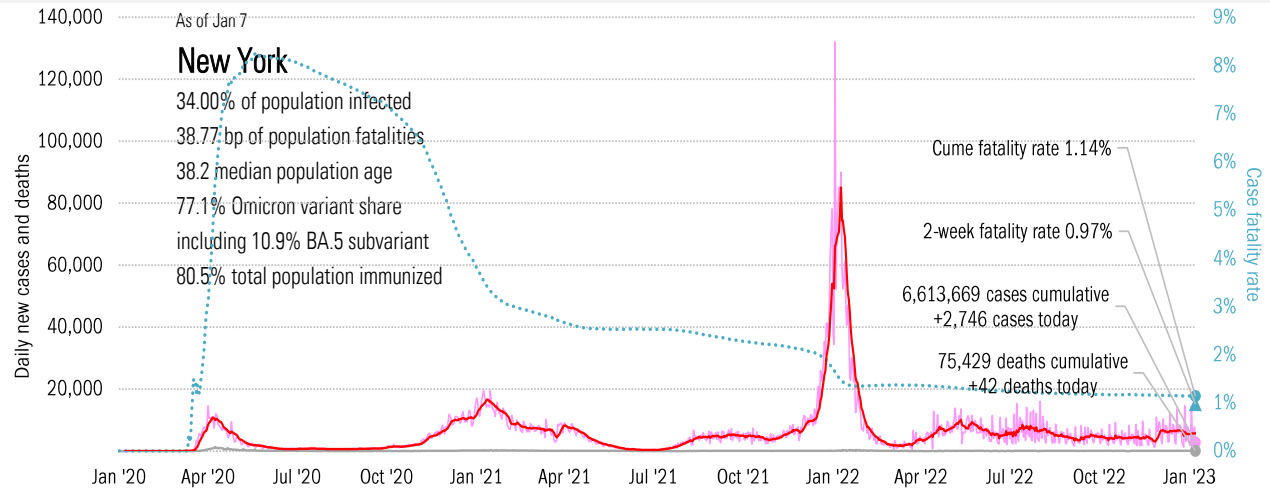
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

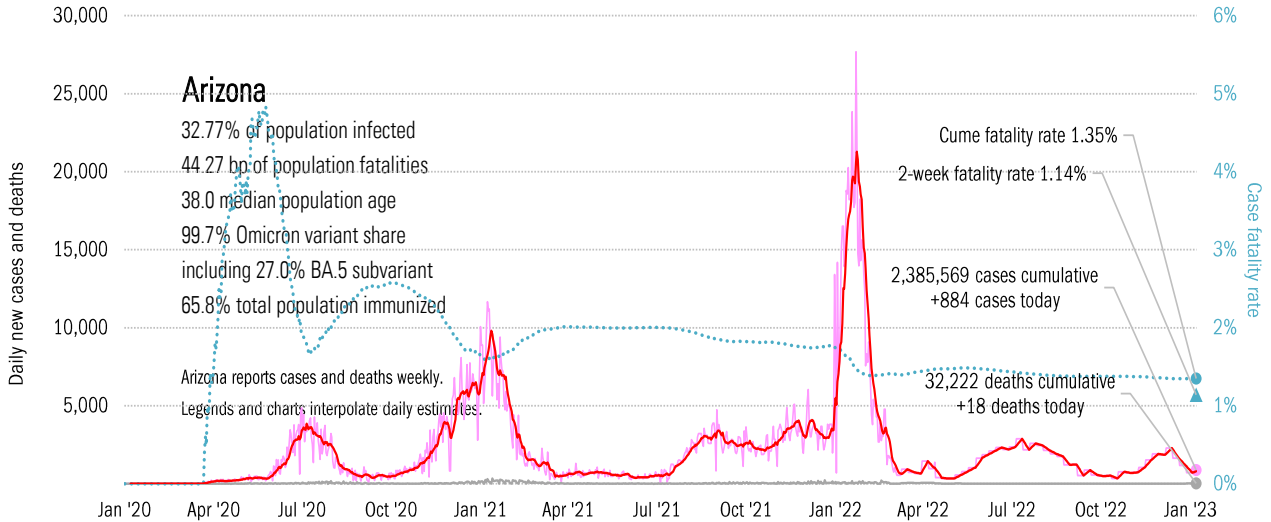
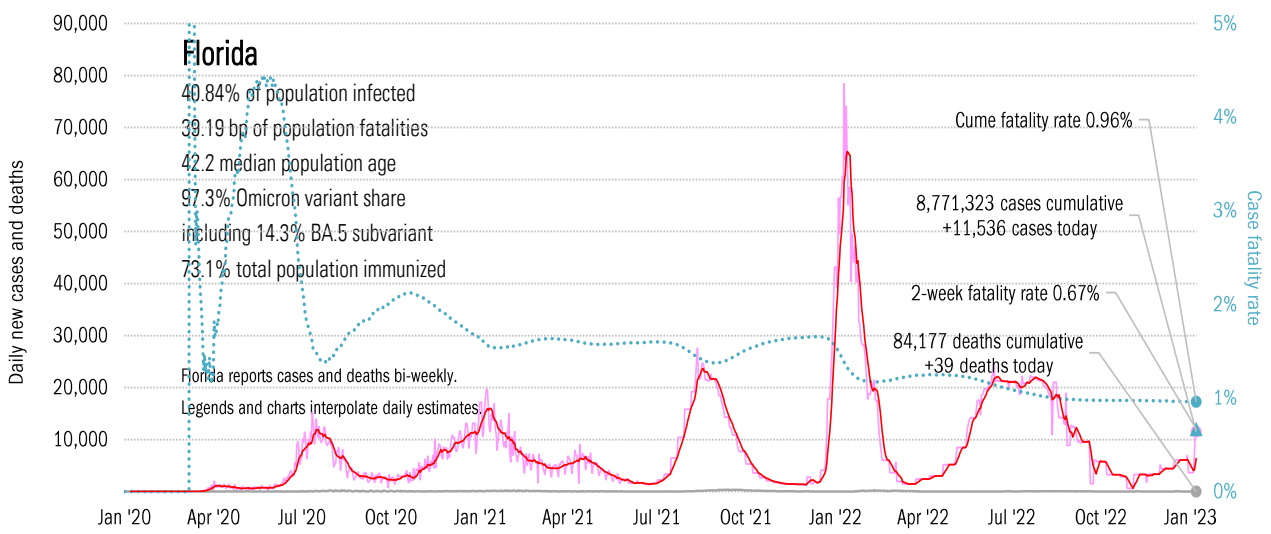
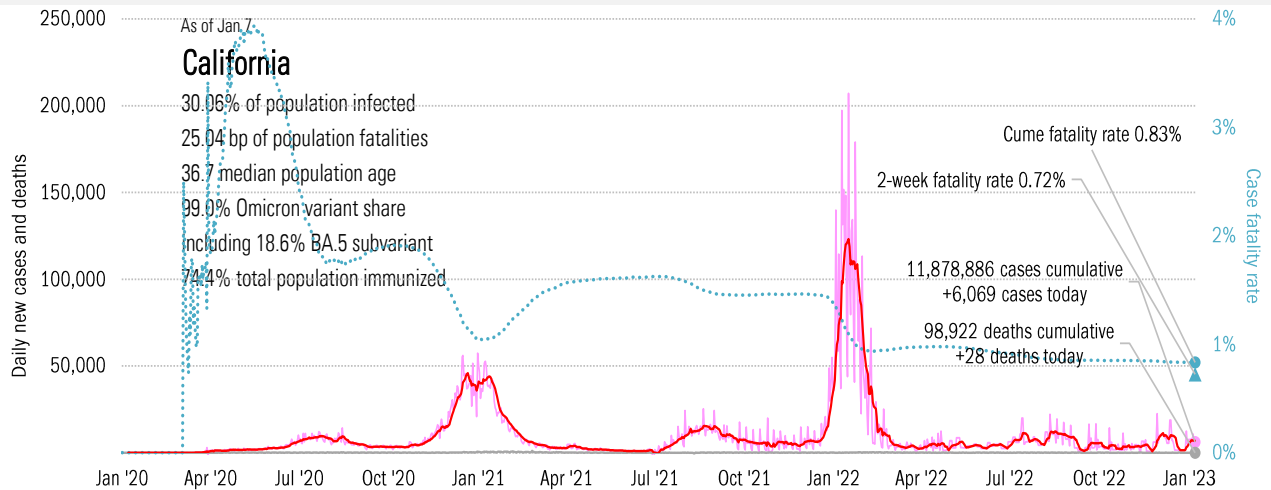
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

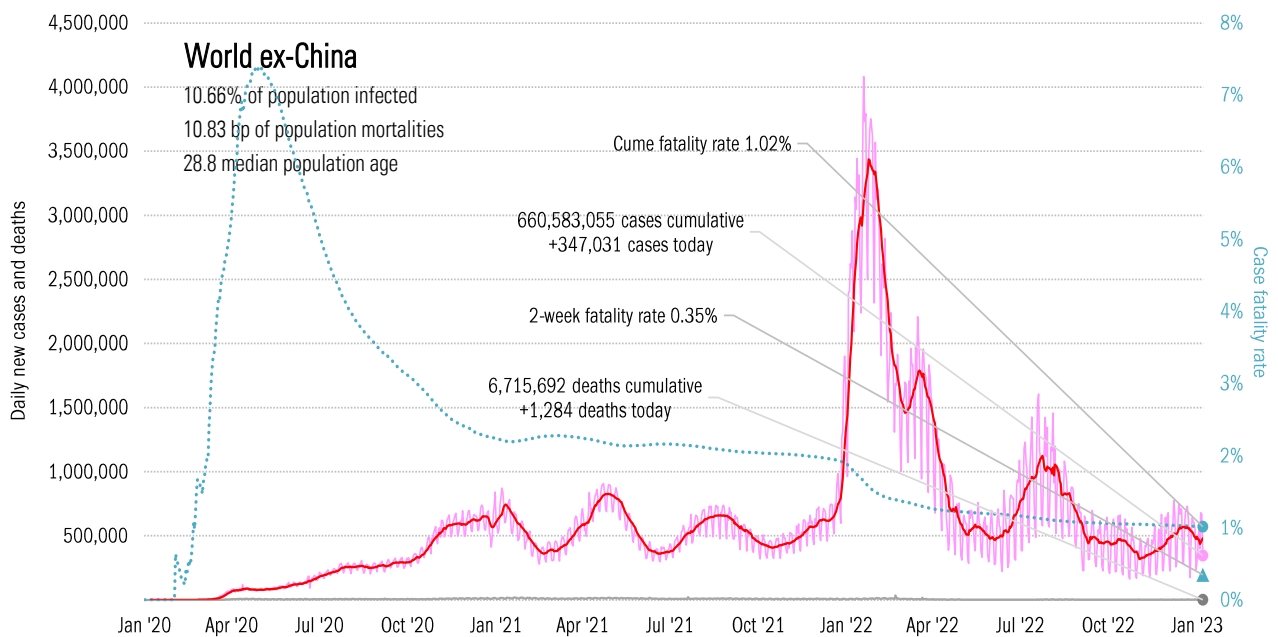
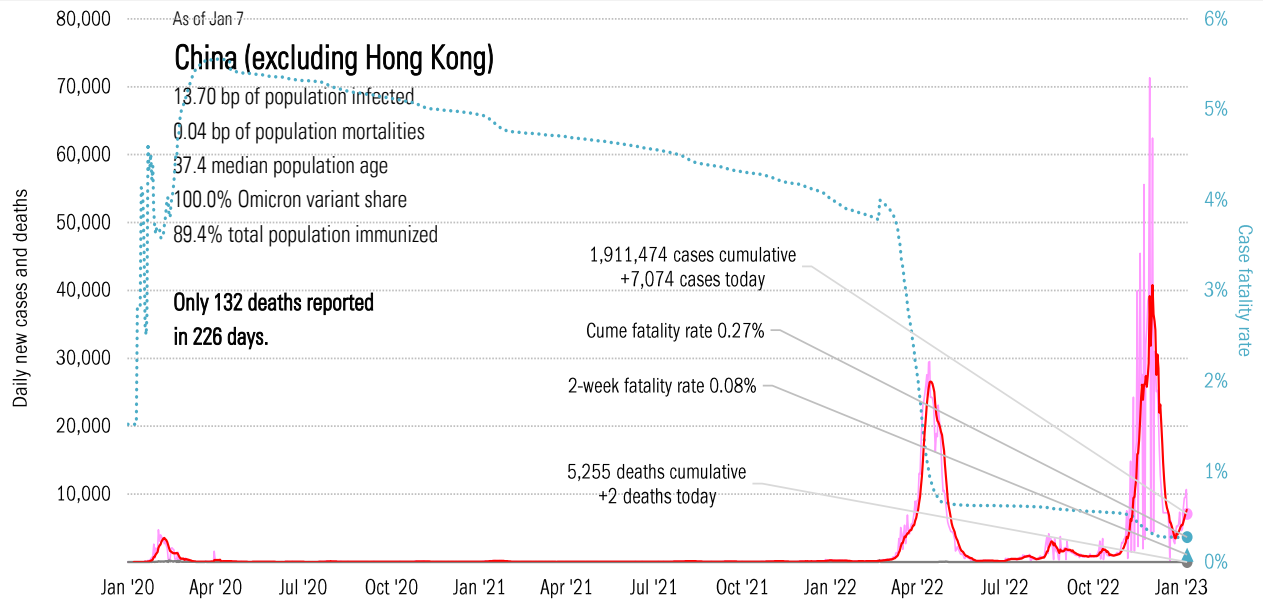
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

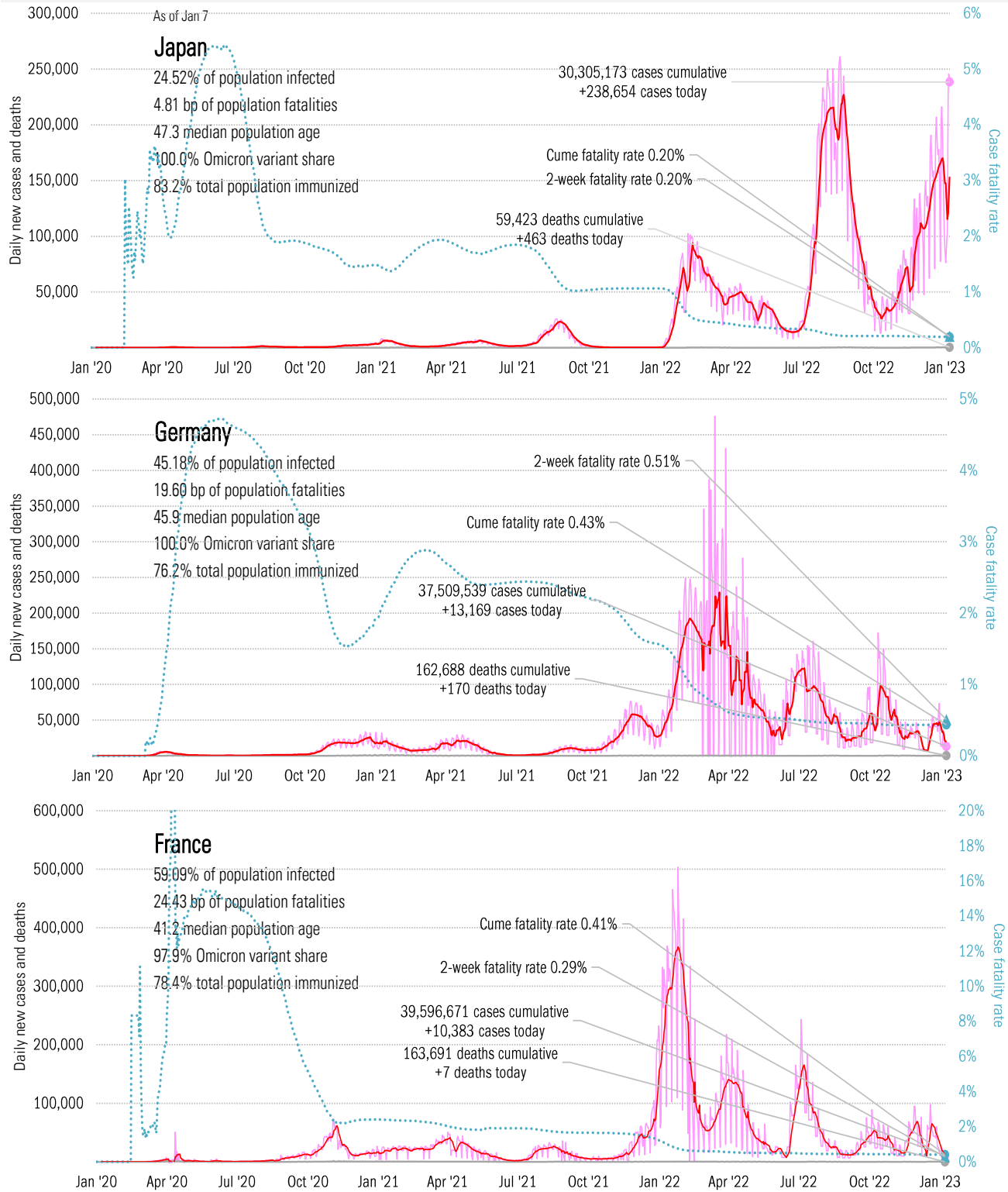
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

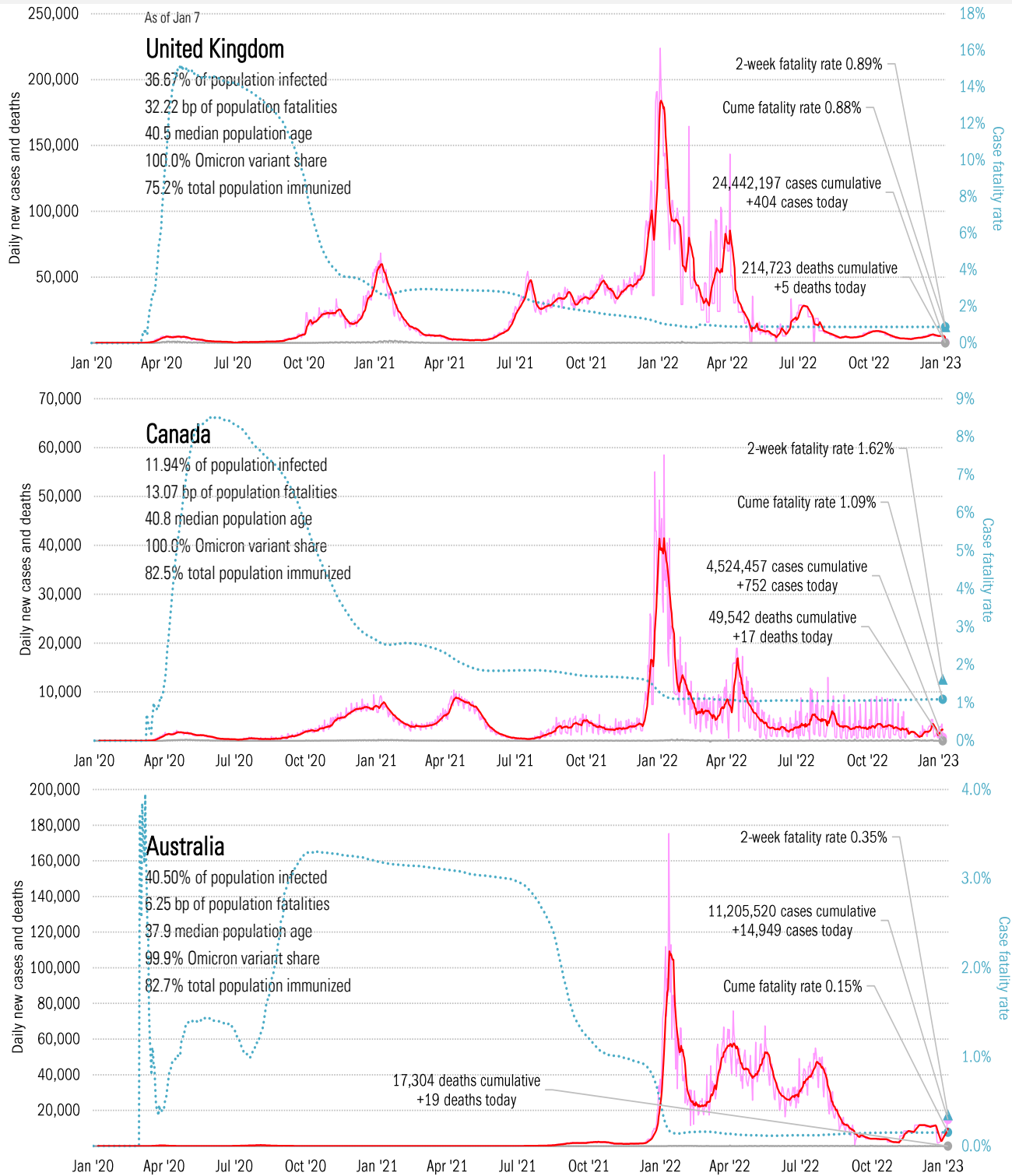
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

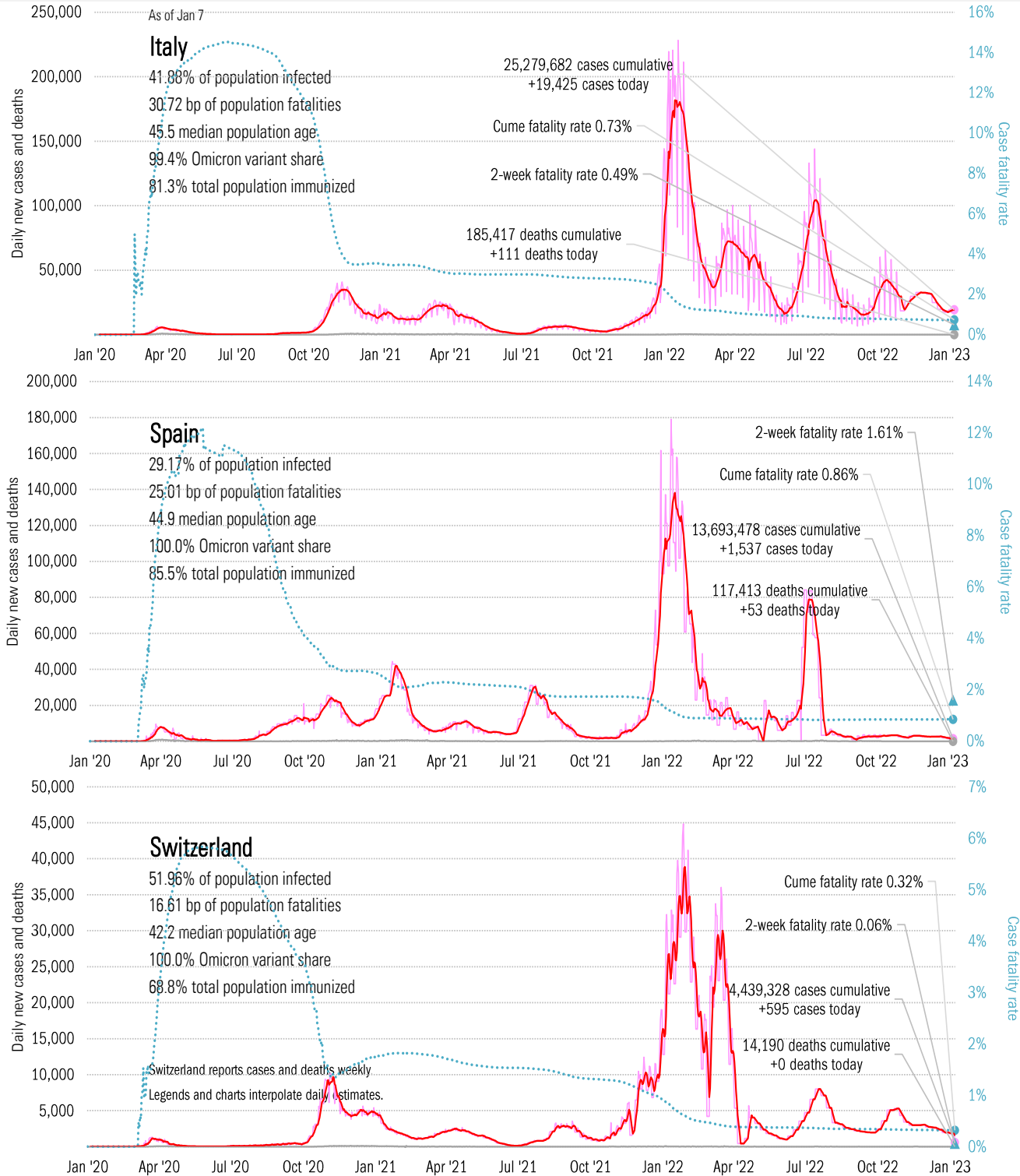
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

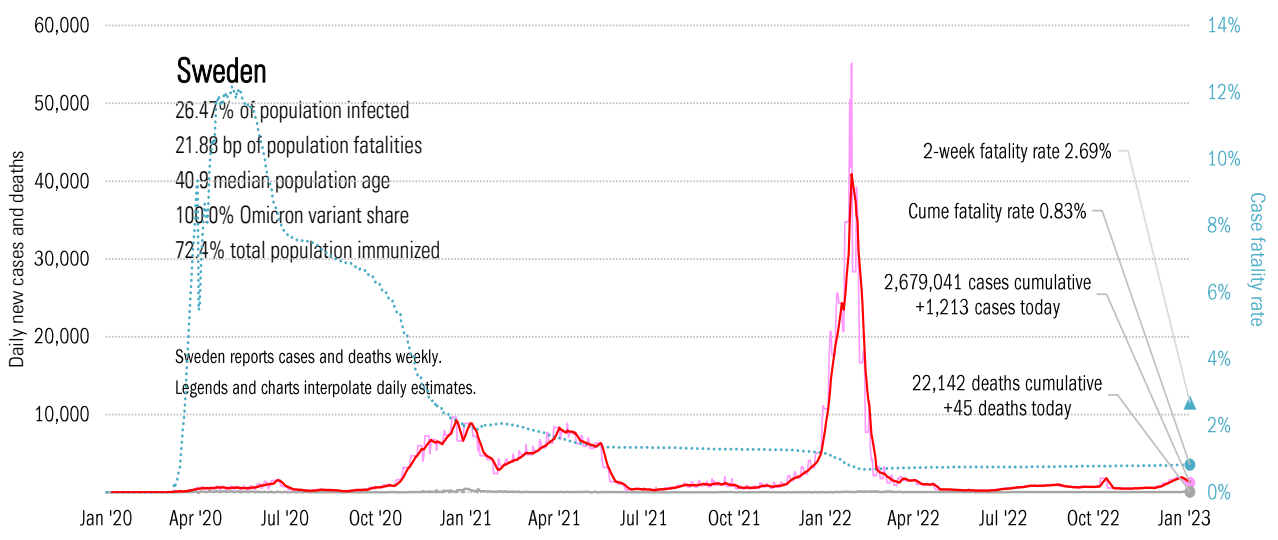
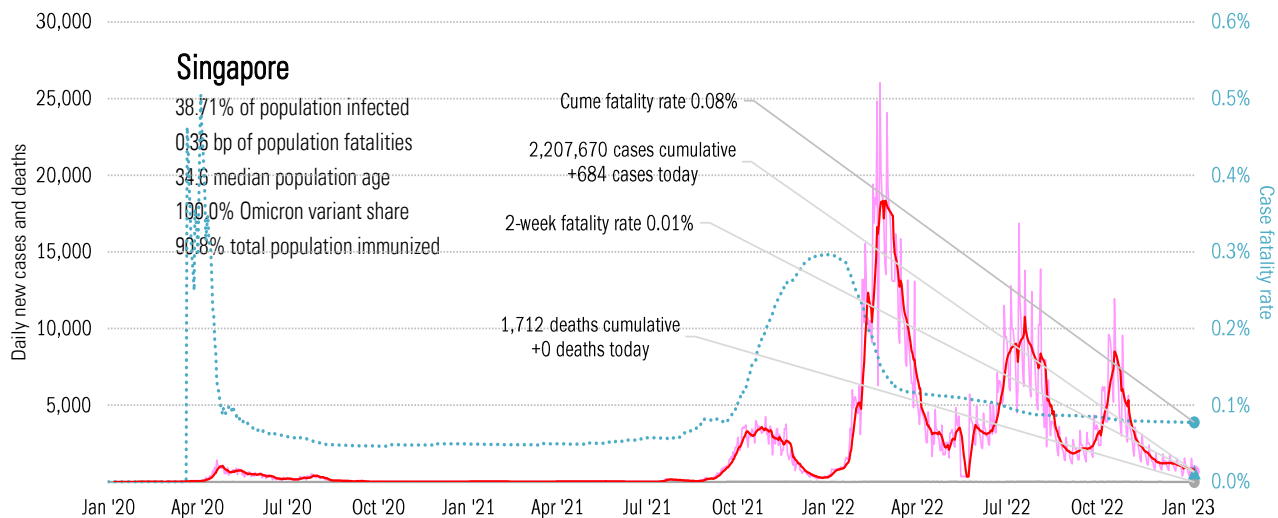
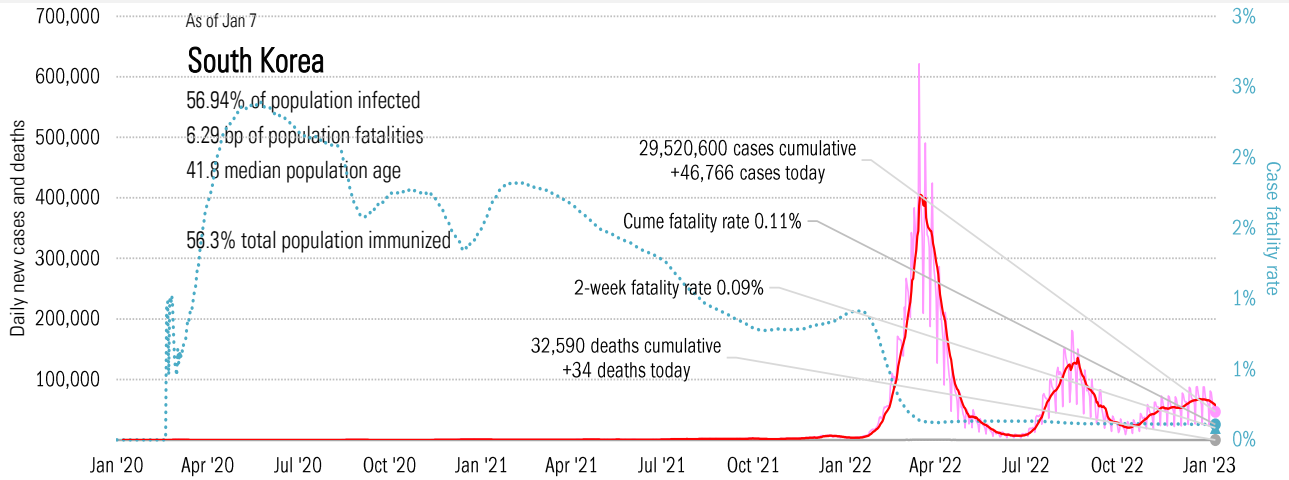
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

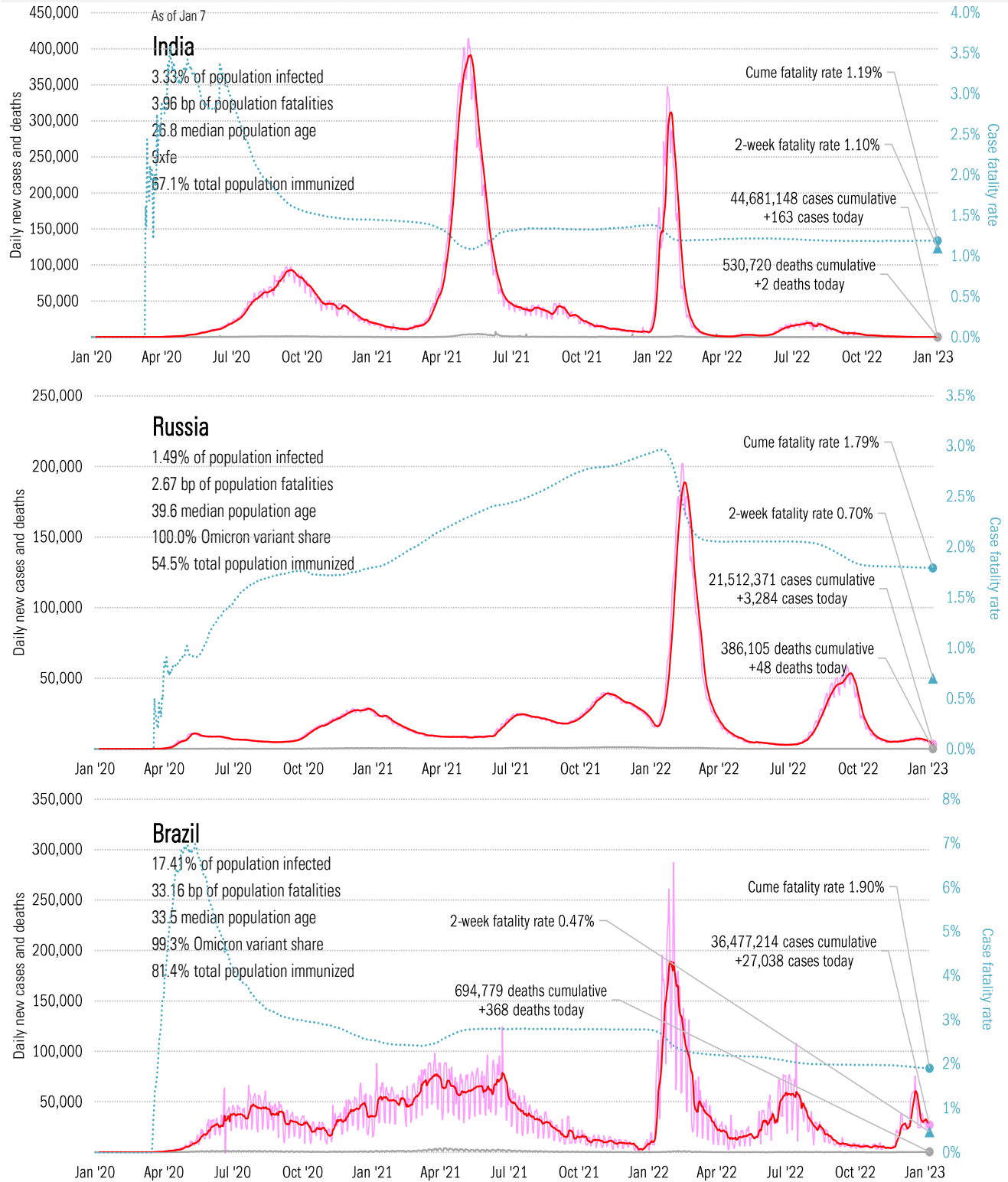
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

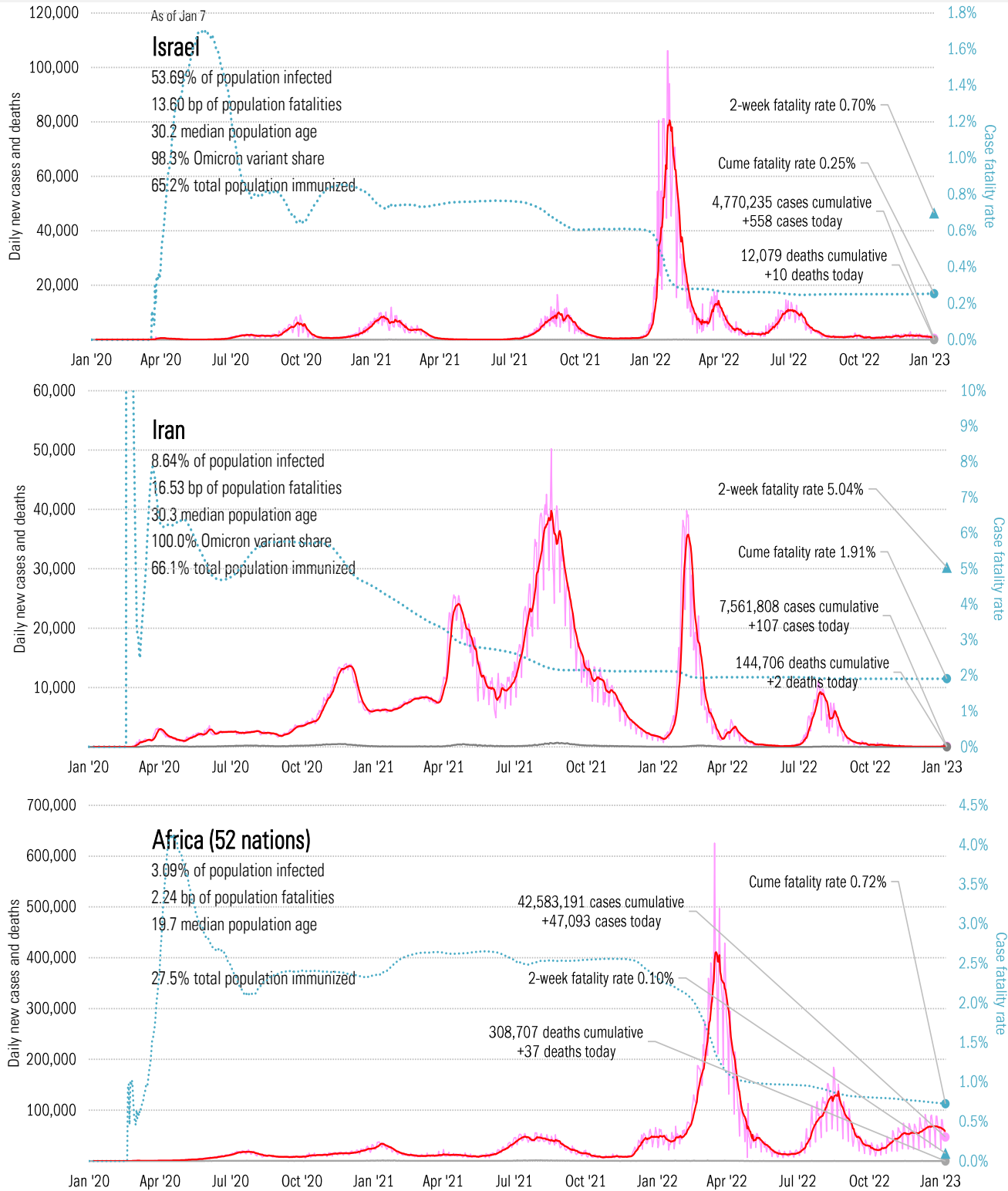
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

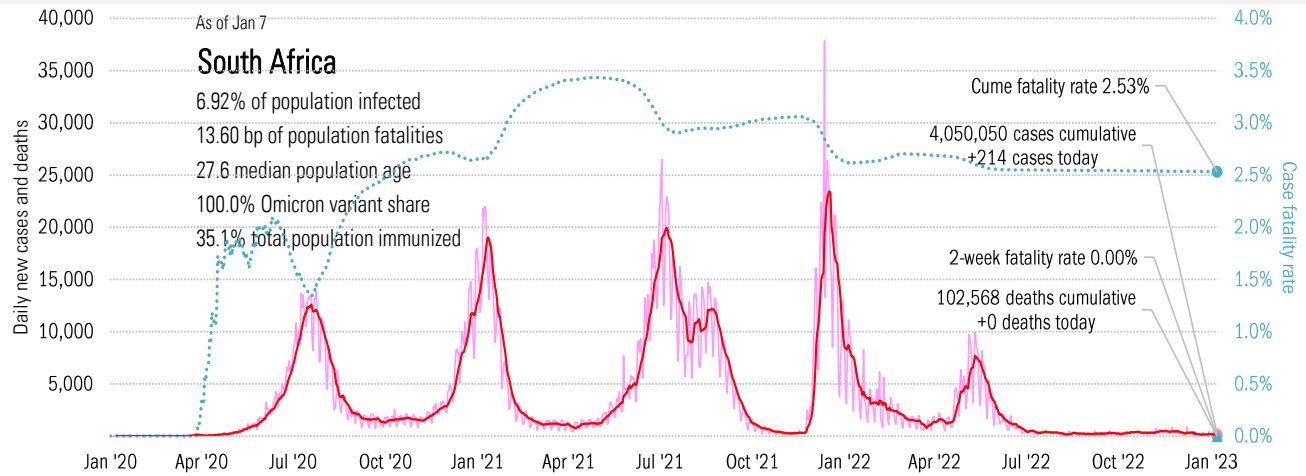
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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