

Data Insights: Covid-2019 Monitor

Monday, January 2, 2023

The global scorecard

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

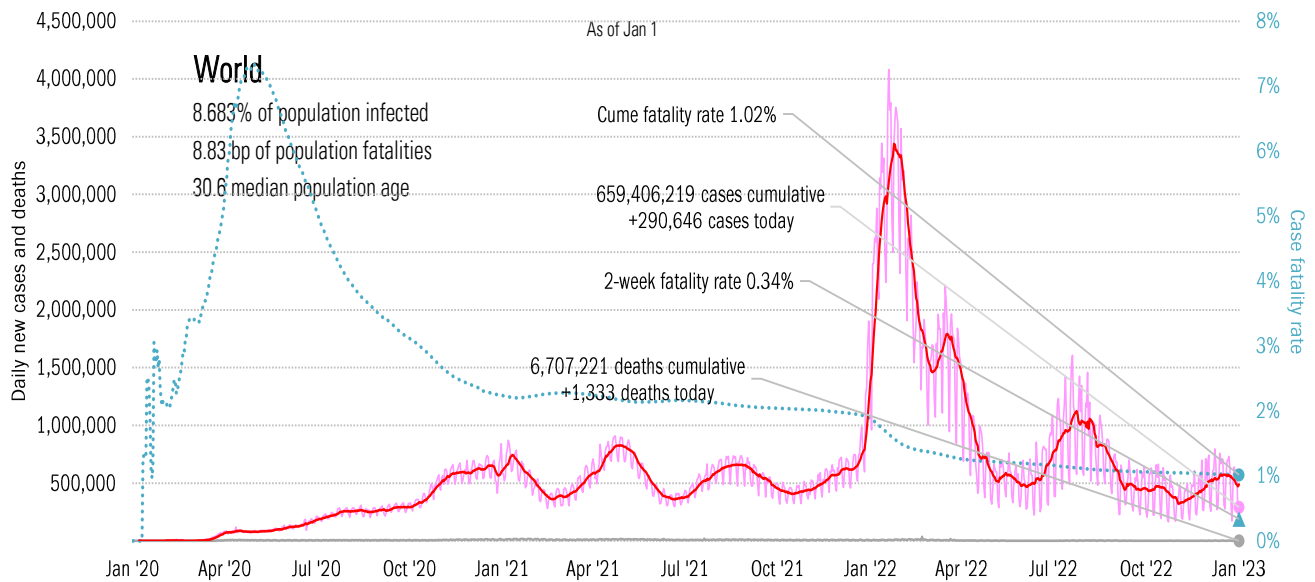
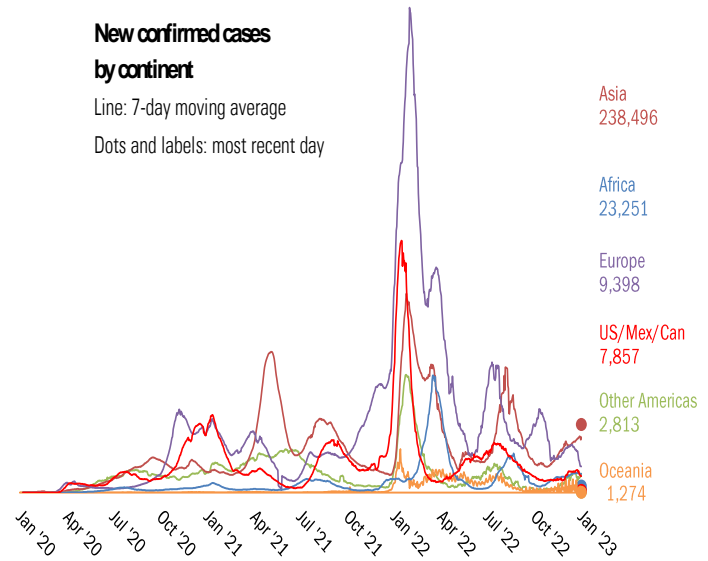
The worst ten countries

New cases		New Deaths	
Turkey	123,084	United States	346
Japan	86,924	Turkey	289
United States	56,729	Japan	247
Brazil	28,866	Germany	144
Taiwan*	25,386	Brazil	119
Germany	23,896	France	115
France	23,808	Italy	101
Korea, South	22,735	Korea, South	53
Italy	17,443	Russia	50
United Kingdom	6,580	Sweden	29
415,451		1,493	

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

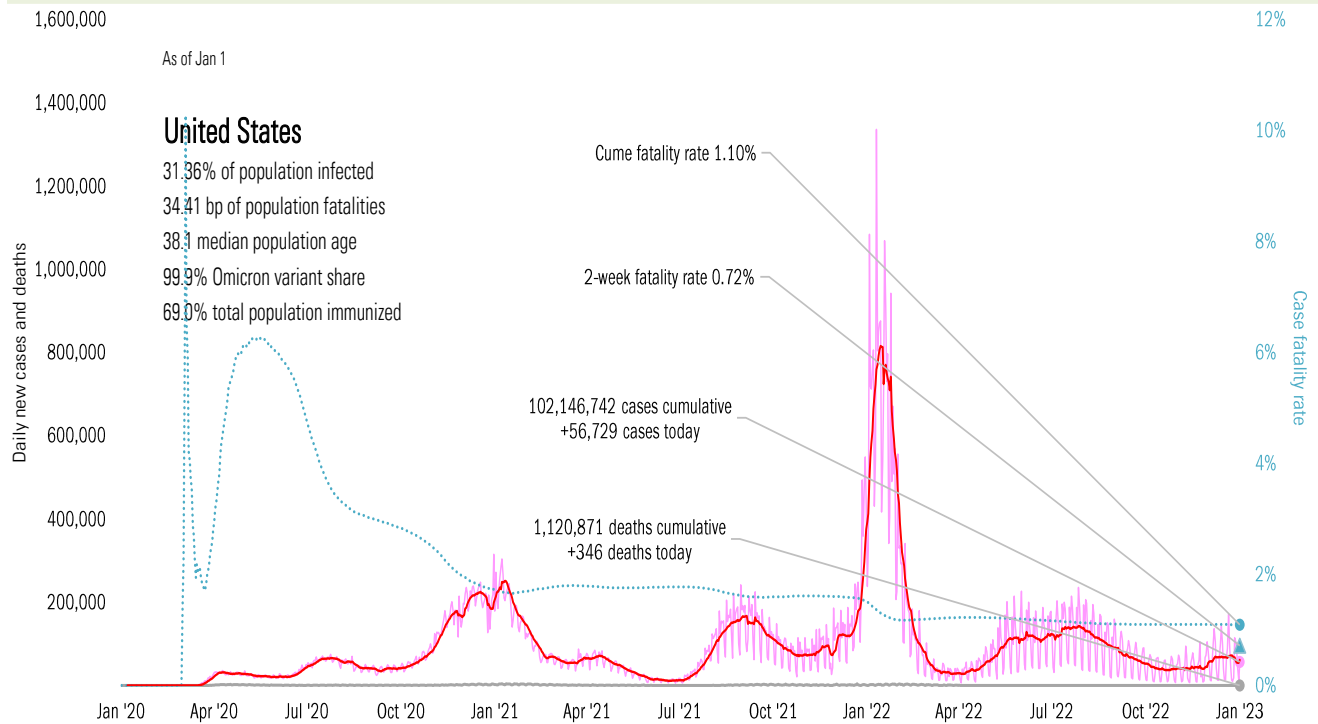
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
CA	9,012		NY	61		TX	603		CA	11,829,499		CA	98,637		TX	569,452		WA	88%	VT	89%
NJ	3,654		NV	46		FL	448		TX	8,227,889		TX	91,818		CA	542,965		DE	87%	AL	88%
FL	3,649		FL	43		CA	790		FL	7,338,503		FL	83,906		FL	514,420		MA	86%	NH	88%
IL	3,288		NJ	24		NY	484		NY	6,576,267		NY	75,139		NY	336,080		AK	86%	TX	87%
VA	2,435		CA	21		GA	256		IL	3,969,832		PA	48,892		CH	236,168		NH	86%	NC	87%
NC	2,382		IL	21		MA	227		PA	3,416,142		GA	41,417		GA	234,721		RI	85%	MA	86%
NY	2,263		AZ	21		NC	237		NC	3,316,814		CH	40,928		PA	220,738		MO	84%	NM	85%
TN	1,913		TX	21		NJ	260		CH	3,307,568		MI	40,767		IL	204,298		MD	84%	AK	85%
CH	1,864		MD	14		CH	300		MI	2,988,654		IL	40,678		MI	175,255		MN	84%	MO	84%
PA	1,741		PA	13		AL	122		GA	2,985,193		NJ	35,510		NJ	153,605		CR	83%	DE	83%
32,201			284			3,727			53,956,361			597,692			3,187,702						
All states	56,729			346			6,611		All states	102,146,742			1,120,871			5,786,212		All states	70%		67%
Top ten	57%			82%			56%		Top ten	54%			55%			55%		Median	77%		78%

Some states not reporting

Five most improved US states

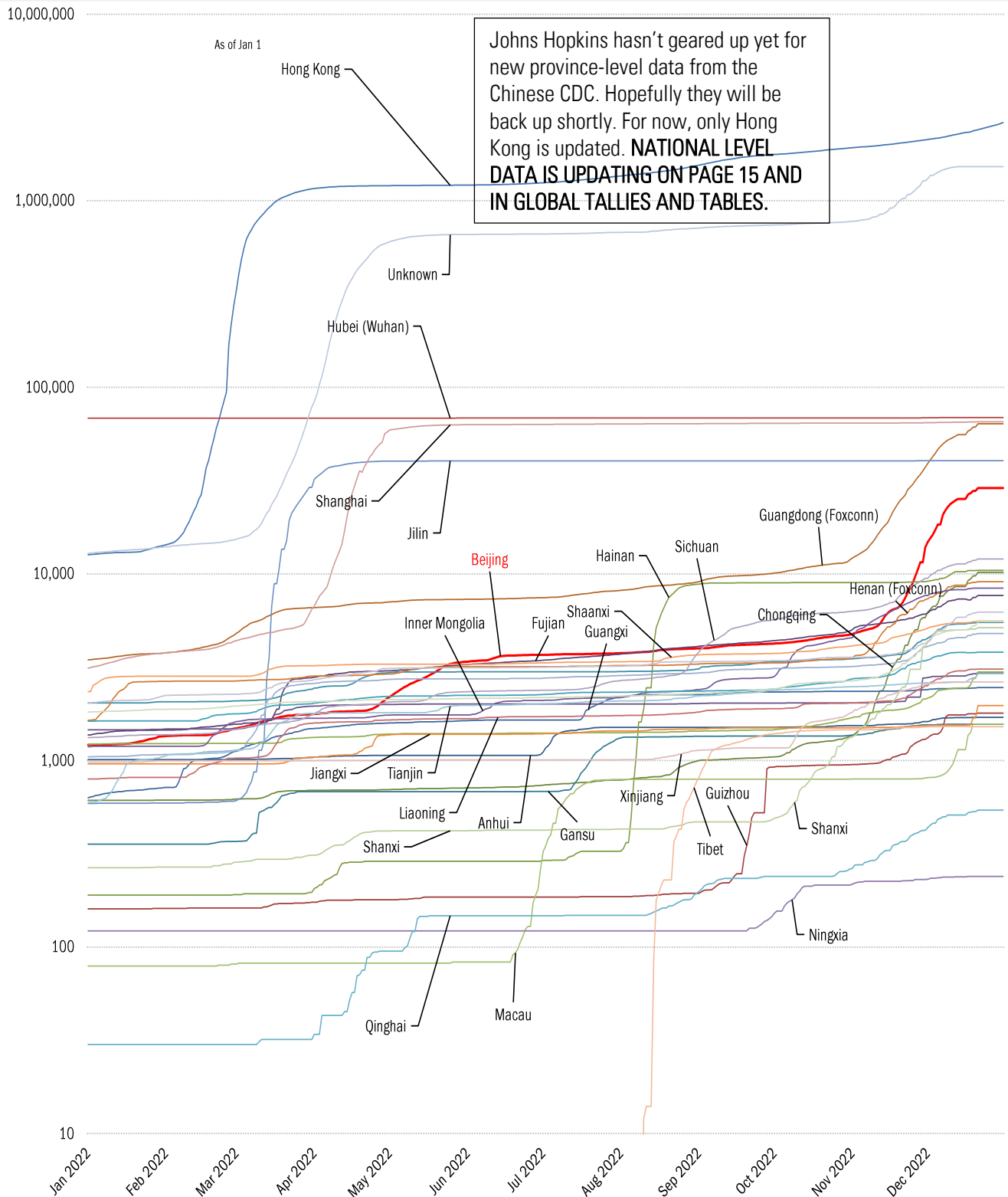
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-672	ME	-3	CO	-20
CT	-561	AK	0	WA	-16
AR	-415	AL	0	DE	-15
AK	0	AR	0	MT	-13
AL	0	AZ	0	ME	-12



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"

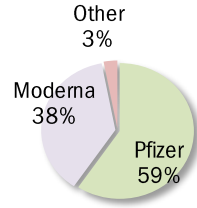


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered Doses	Cumulative			Today	Immunity	Full	Partial
	680,393,511			+0.244 million	US	69.0%	80.8%
				Of which boosters:	UK	75.2%	79.7%
				+0.214 million	France	78.4%	80.6%
	One dose	% Pop	Immune	% pop	New immune today		
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

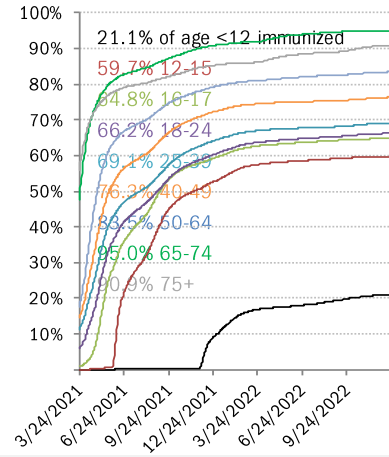
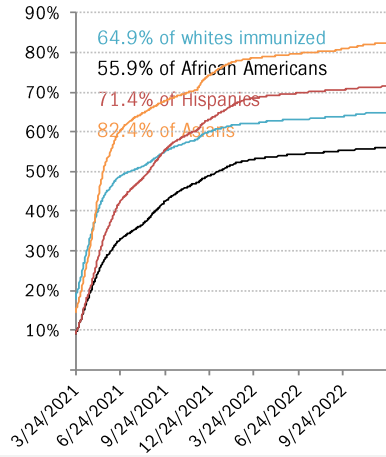
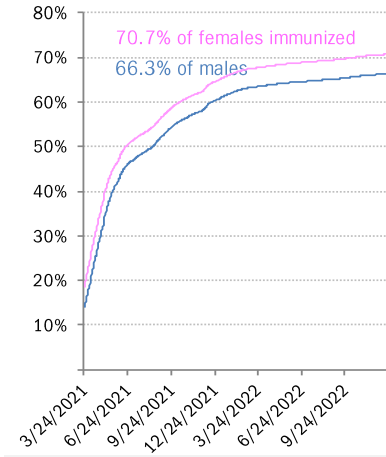
WI	74.9%
	68.0%

As of Dec 30

ME	95.0%
	83.0%

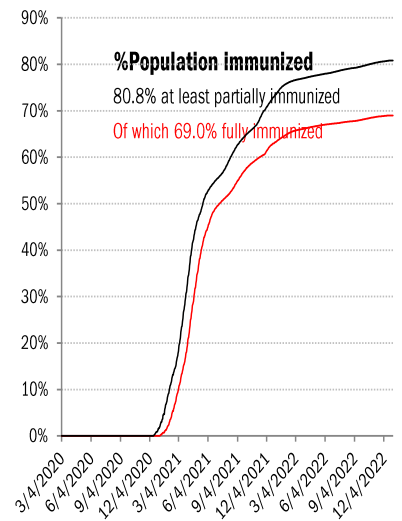
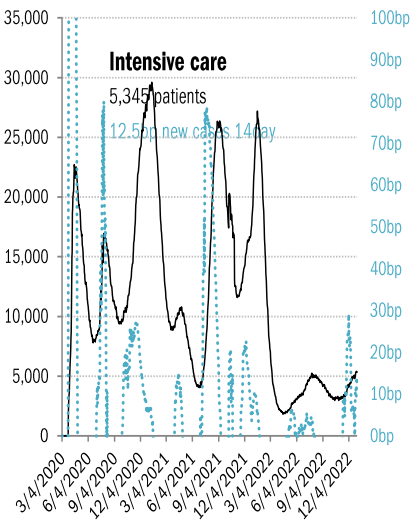
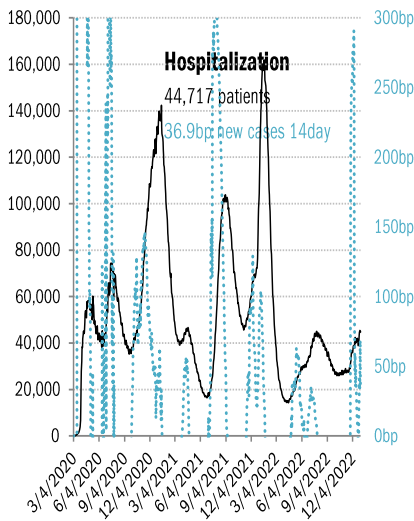
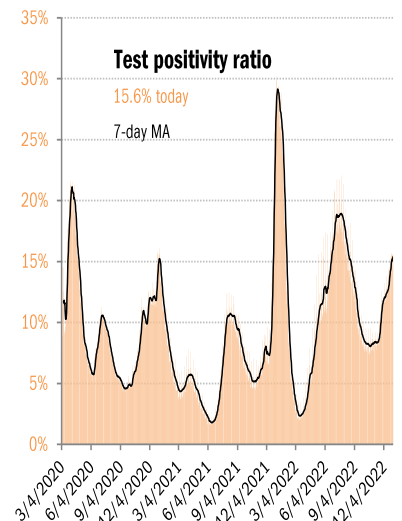
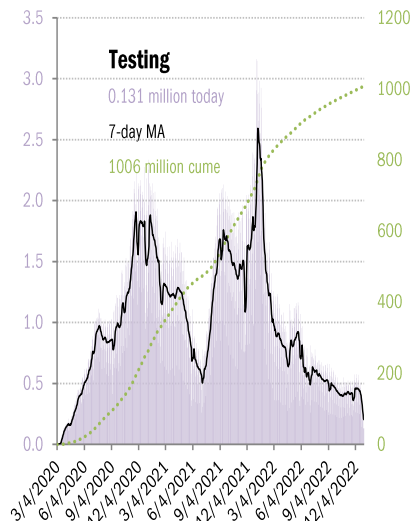
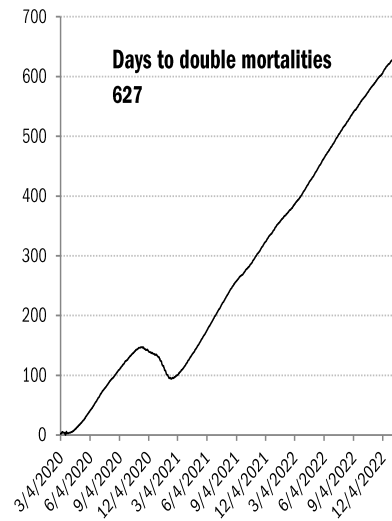
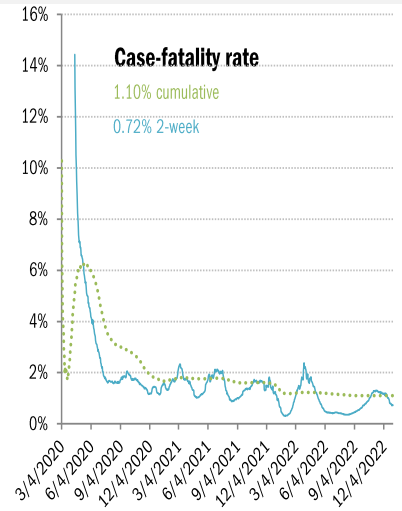
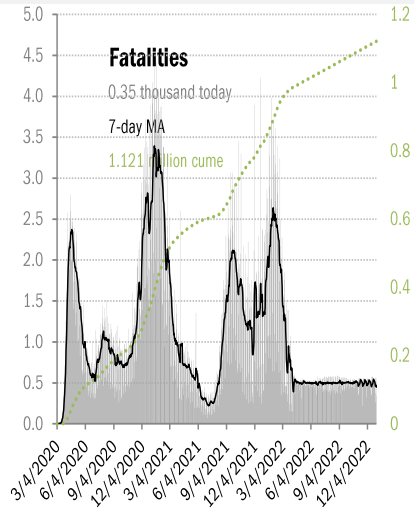
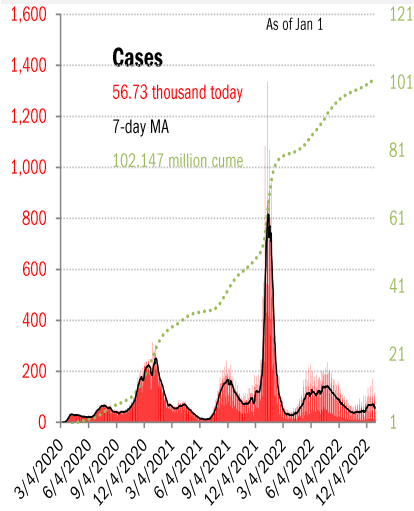
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
84.9%	63.7%	68.0%	69.1%	78.5%	78.9%	69.3%	94.1%	95.0%	87.5%	
75.7%	56.3%	59.0%	58.4%	71.9%	71.0%	62.2%	80.5%	85.3%	71.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.2%	77.3%	60.7%	83.4%	70.4%	64.2%	65.5%	90.1%	94.3%	95.0%	
72.1%	63.5%	52.9%	66.0%	64.2%	57.6%	60.3%	72.9%	78.8%	83.8%	
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							FL		PR	
91.1%							82.1%		95.0%	
81.3%							69.2%		86.7%	

The demographics of US vaccination

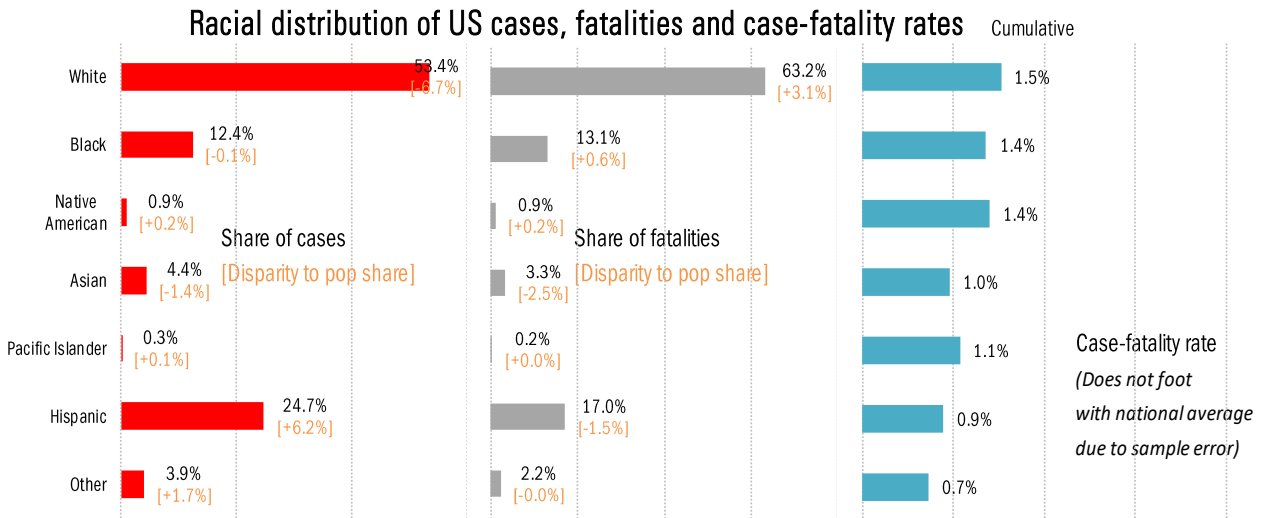
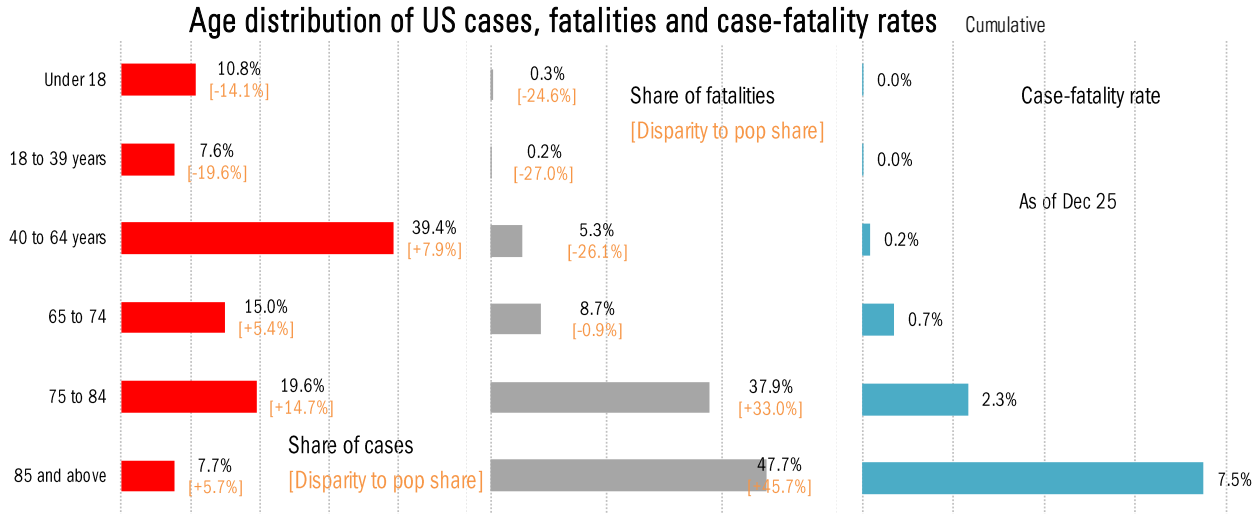


Source: CDC, CDC, Our World in Data, TrendMacro calculations

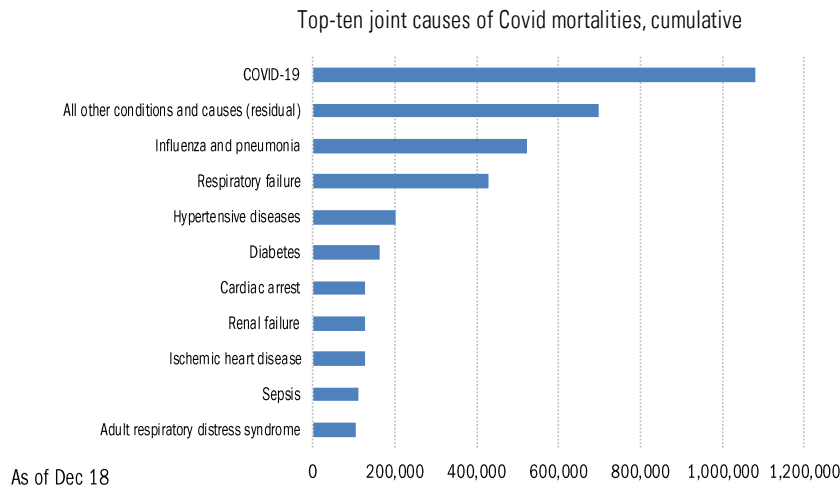
US deep-dive



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



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

[Xi Jinping has abandoned zero-Covid. What happens now?](#)

Ellen Ioanes
Vox
January 1, 2023

[As COVID turns 3, experts worry where the next pandemic will come from – and if we'll be ready](#)

Karen Weintraub
USA Today
January 1, 2023

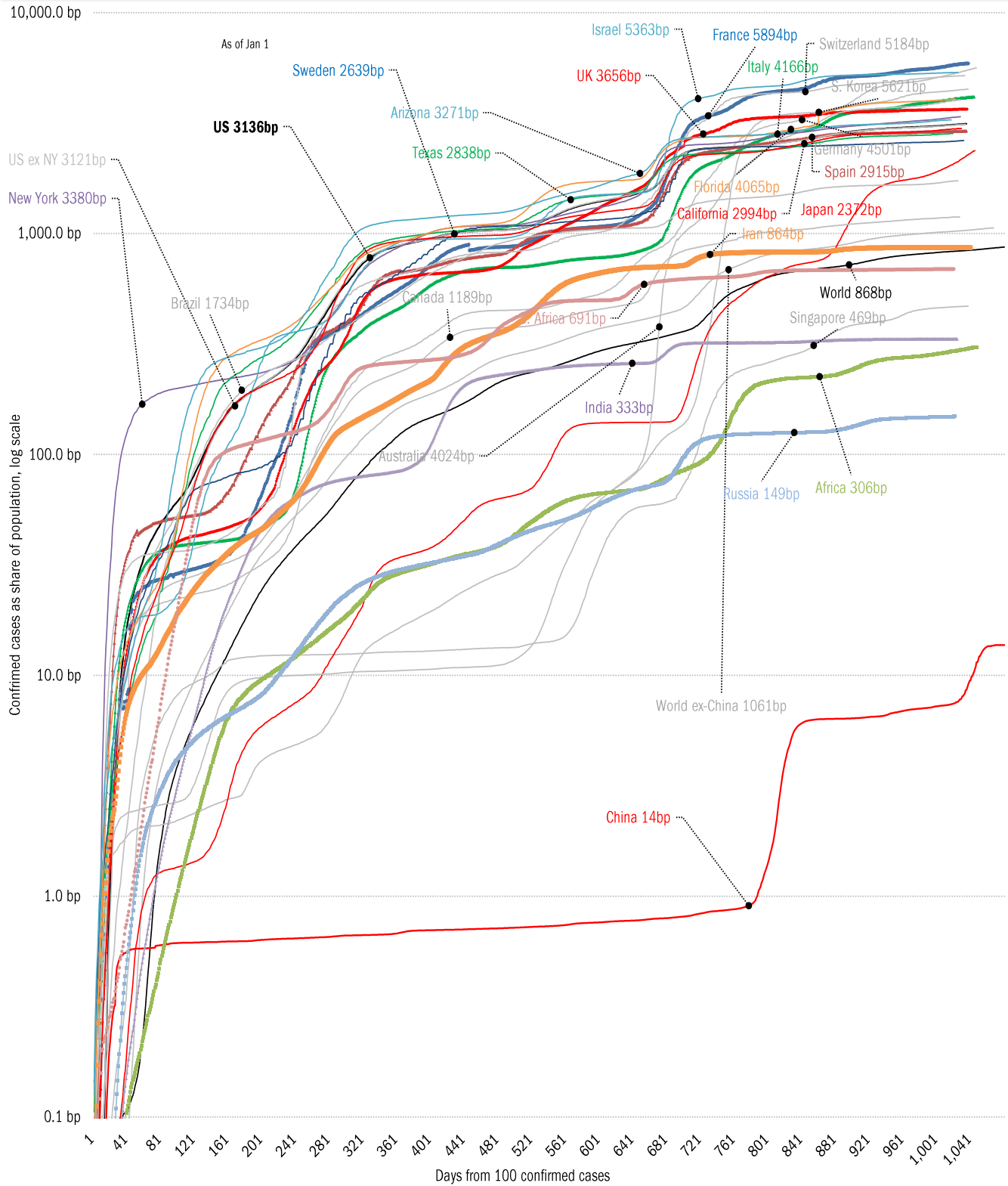
Meme of the Day



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

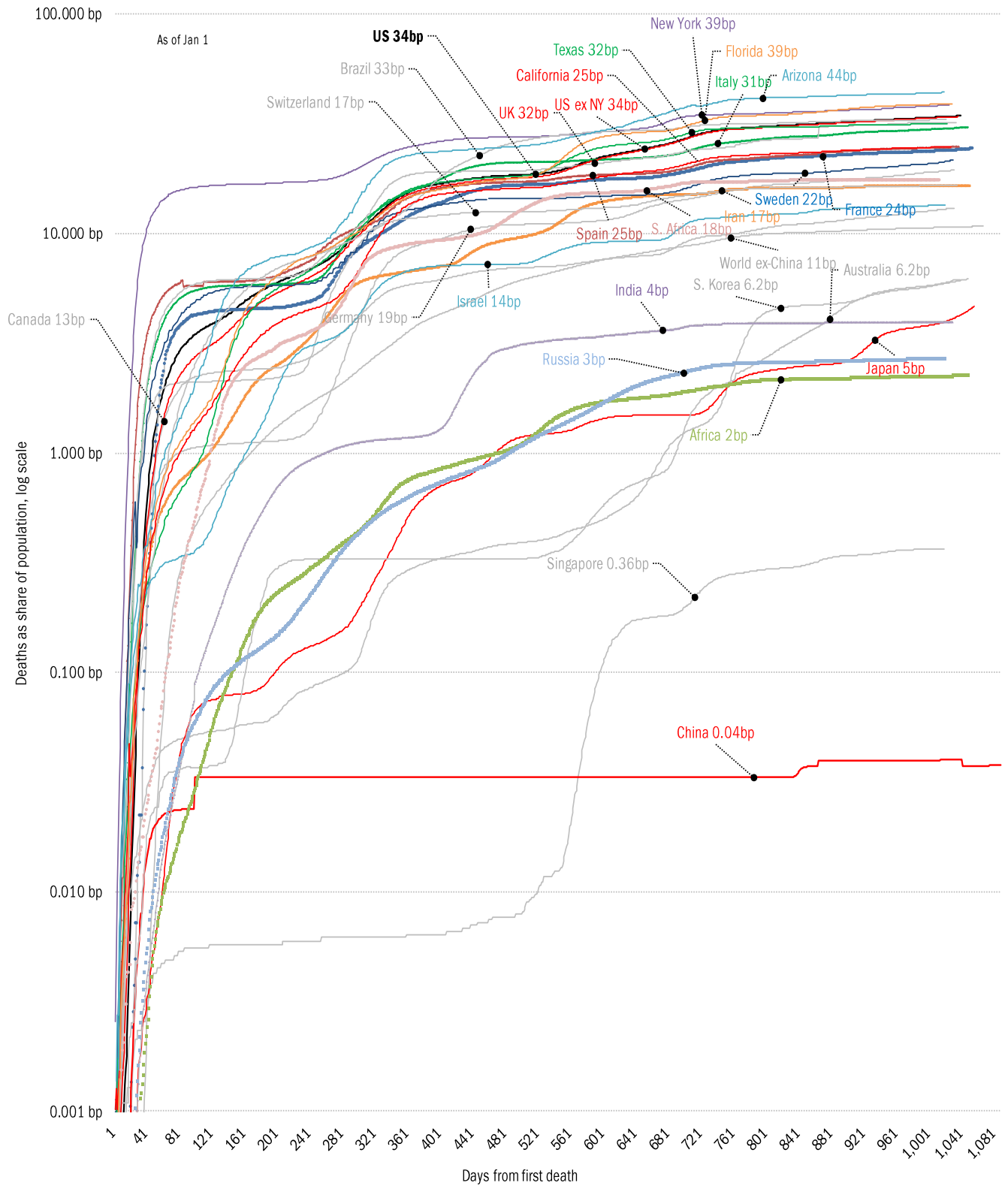
The global coronavirus case accelerometer... tracking the world's infection curves

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

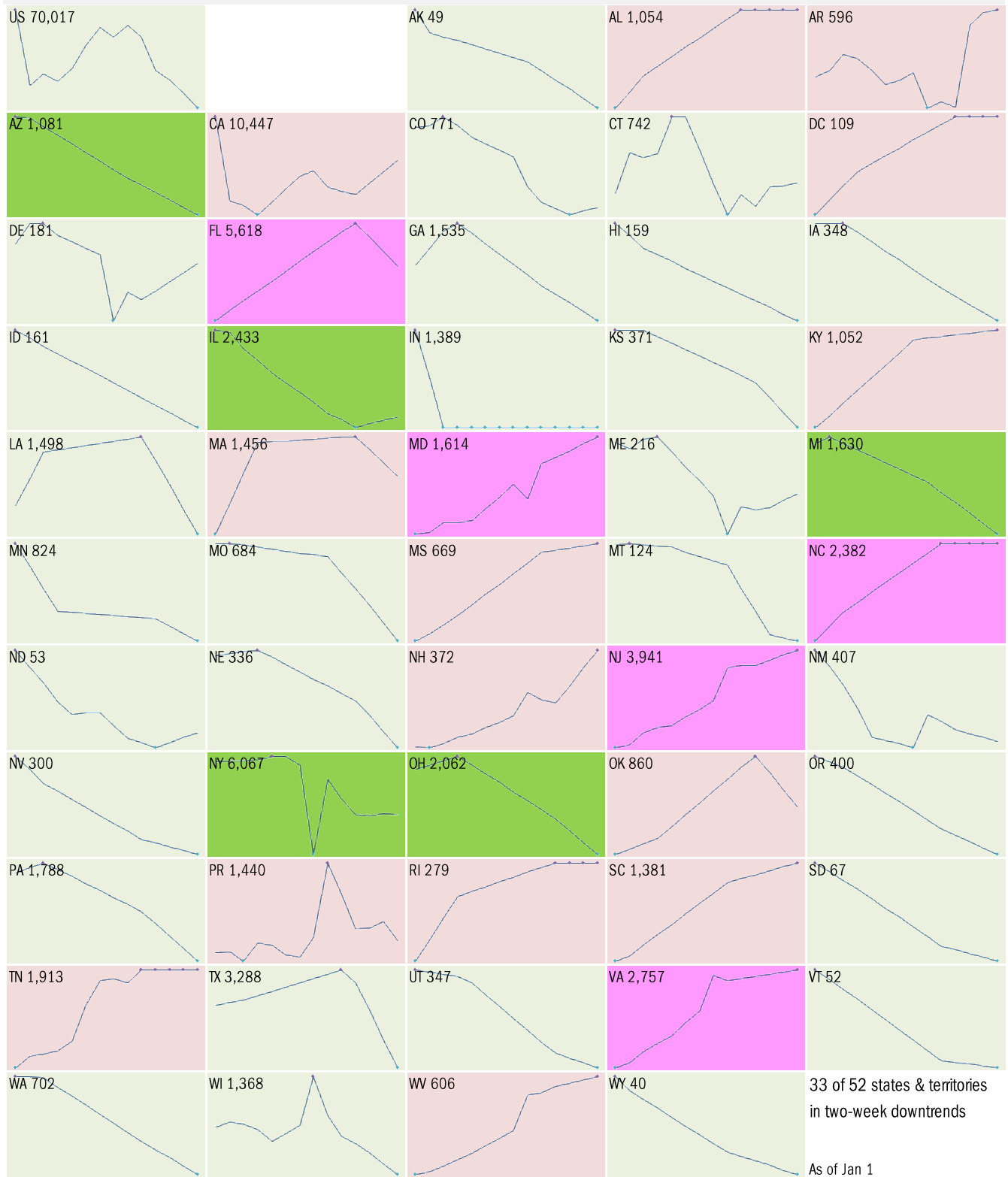


Source: [Johns Hopkins](#), TrendMacro calculations

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

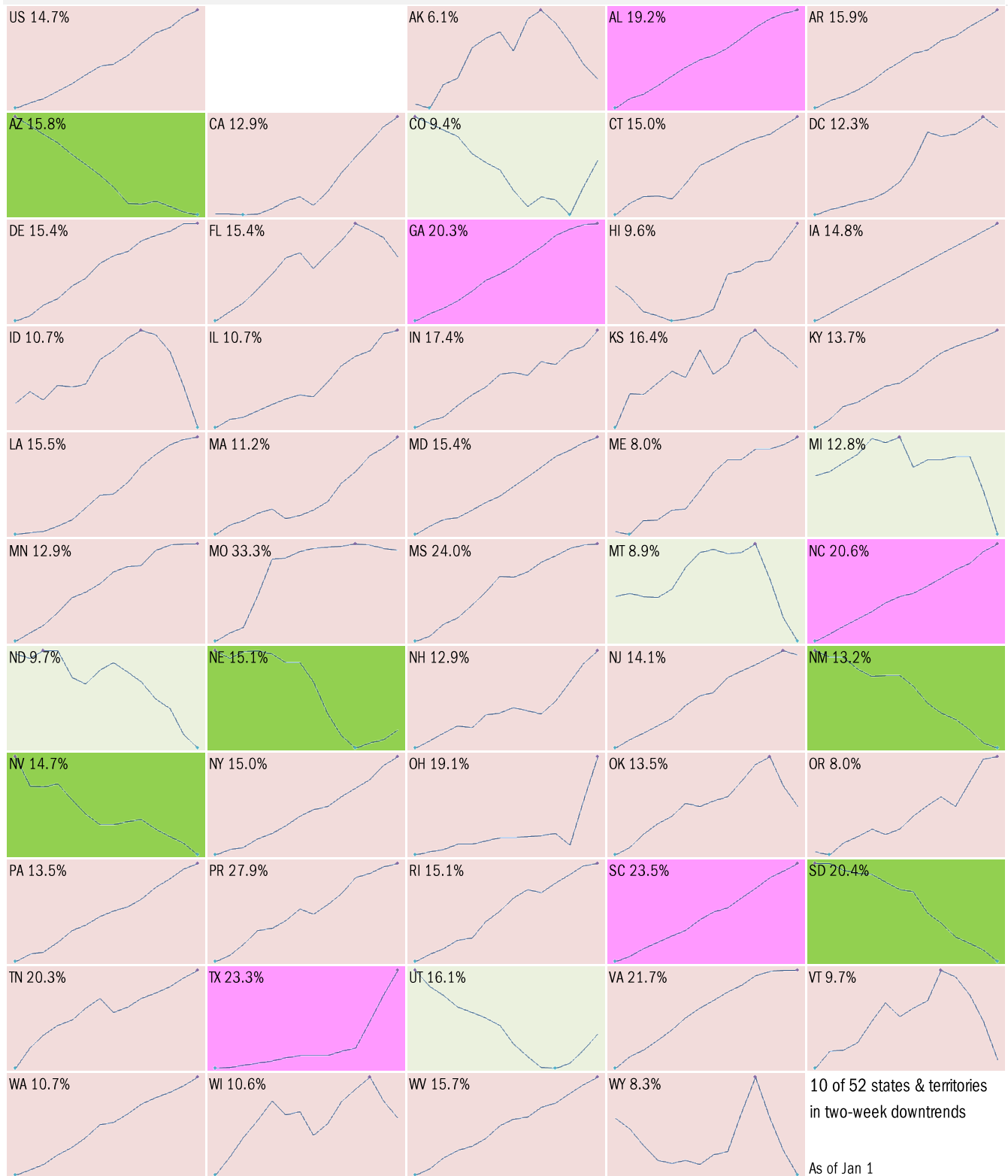


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

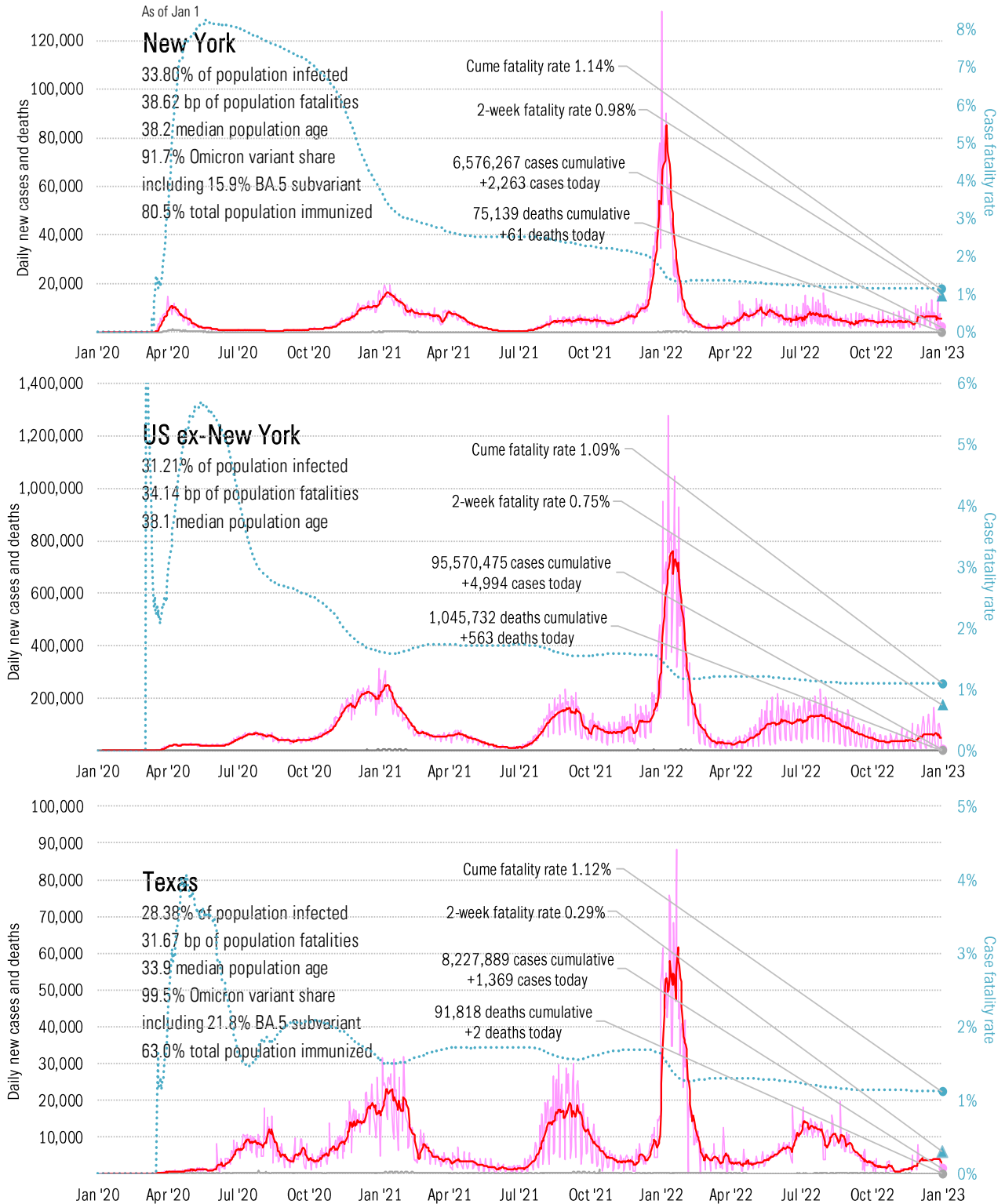
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

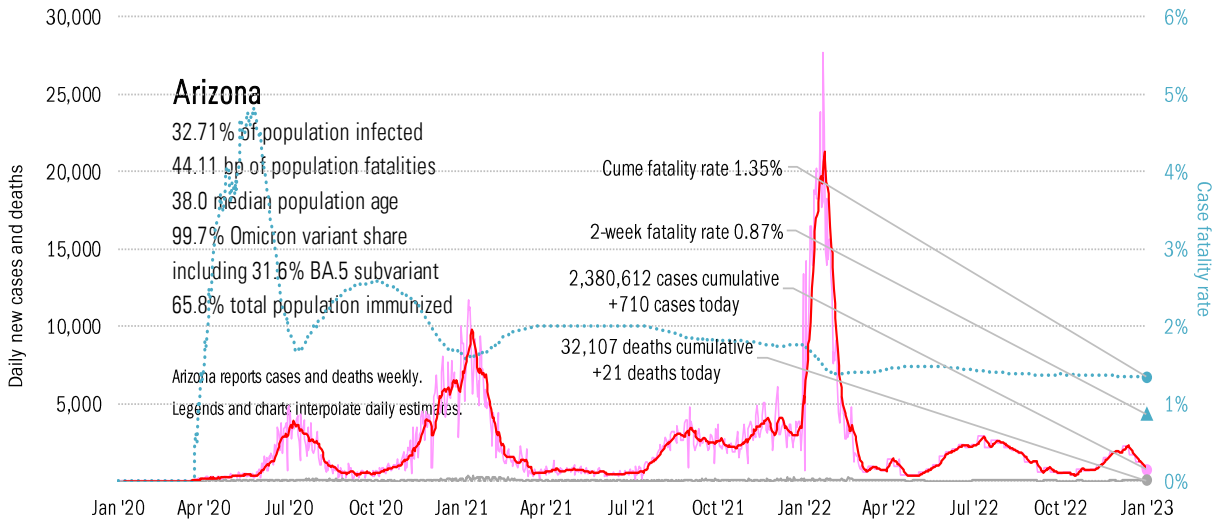
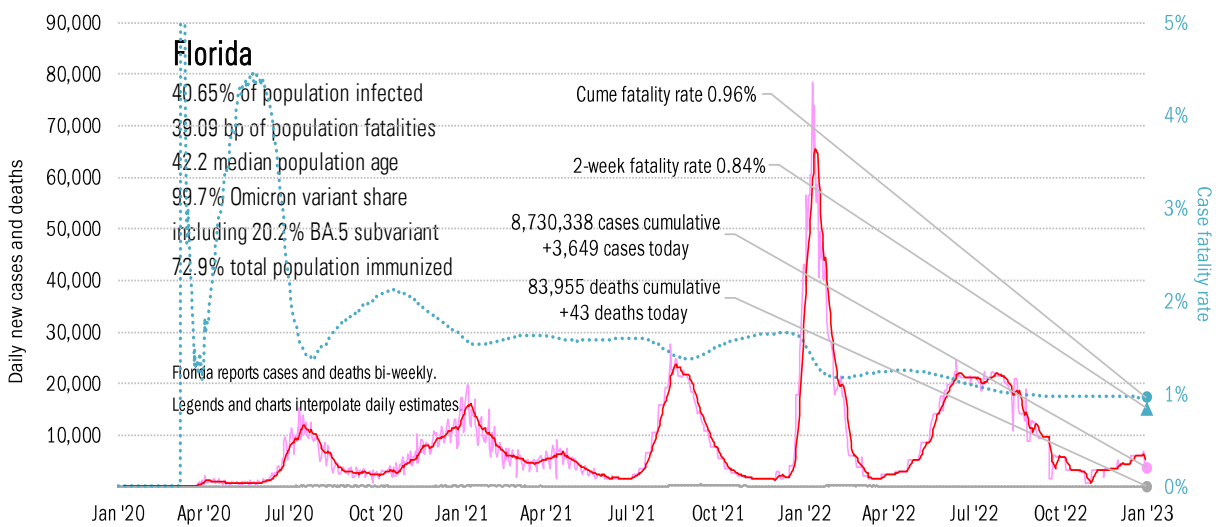
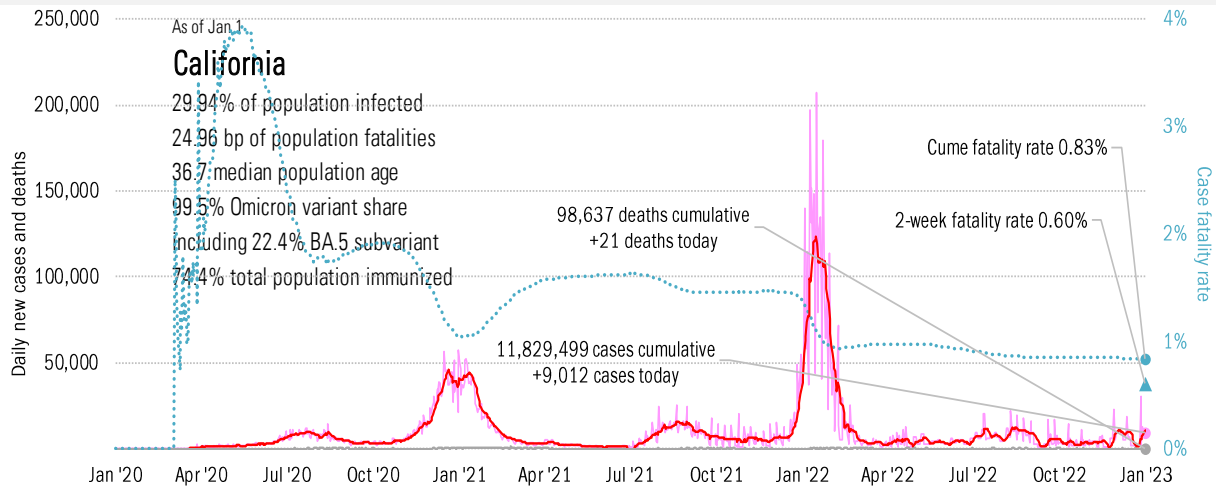
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

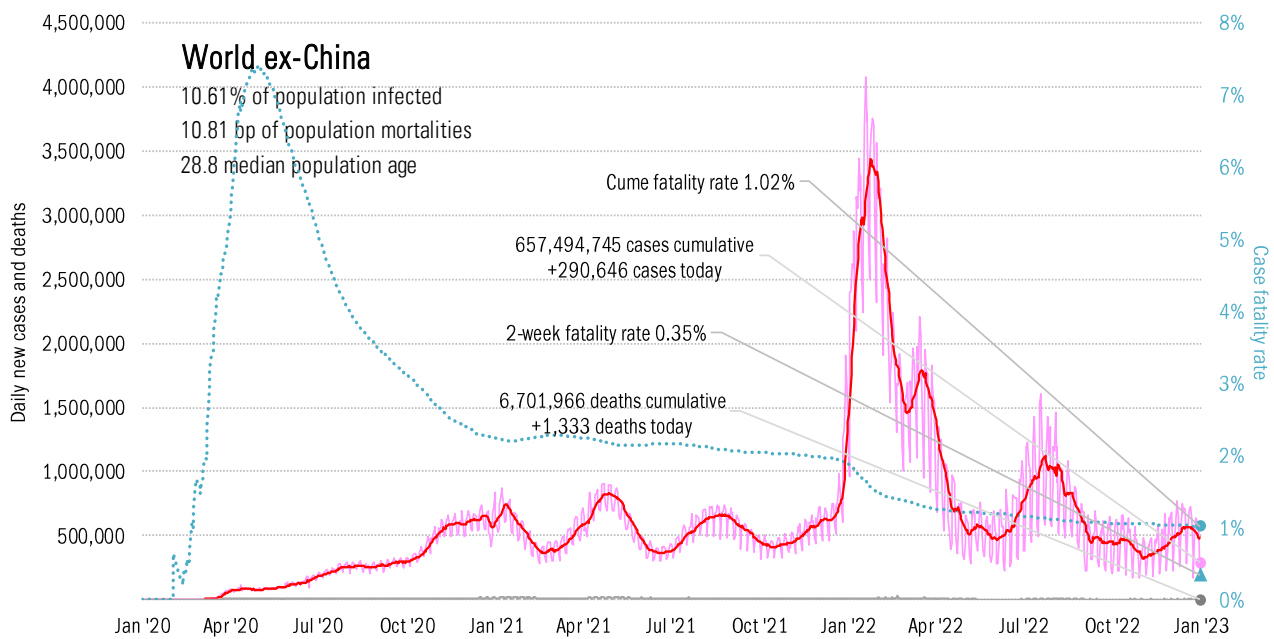
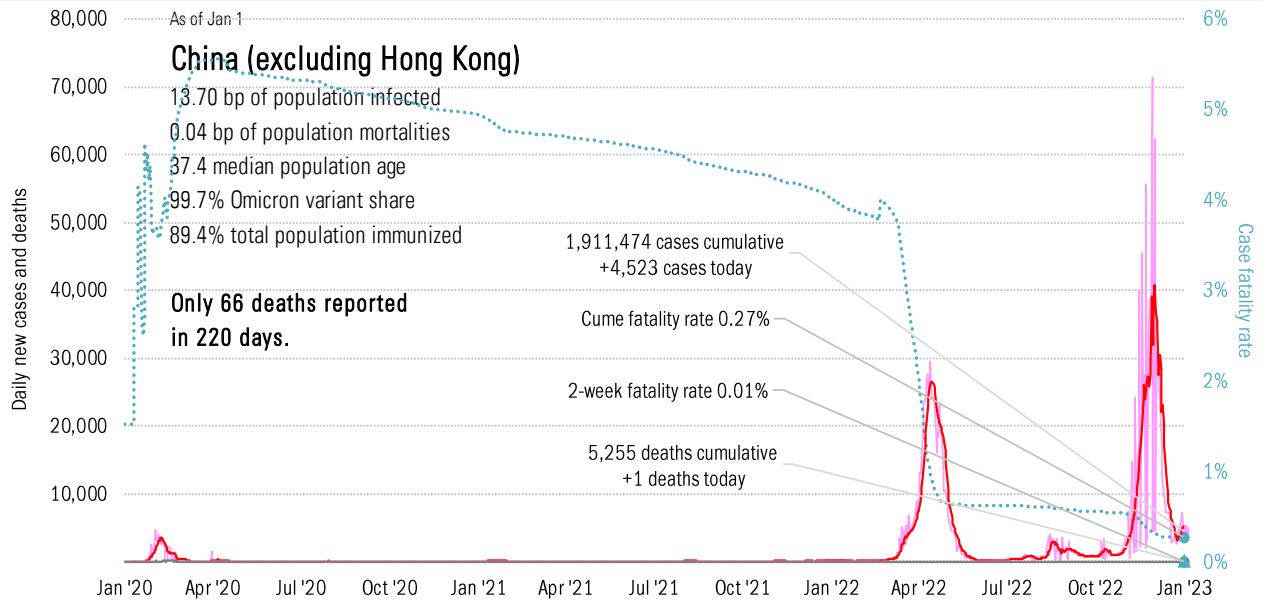
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

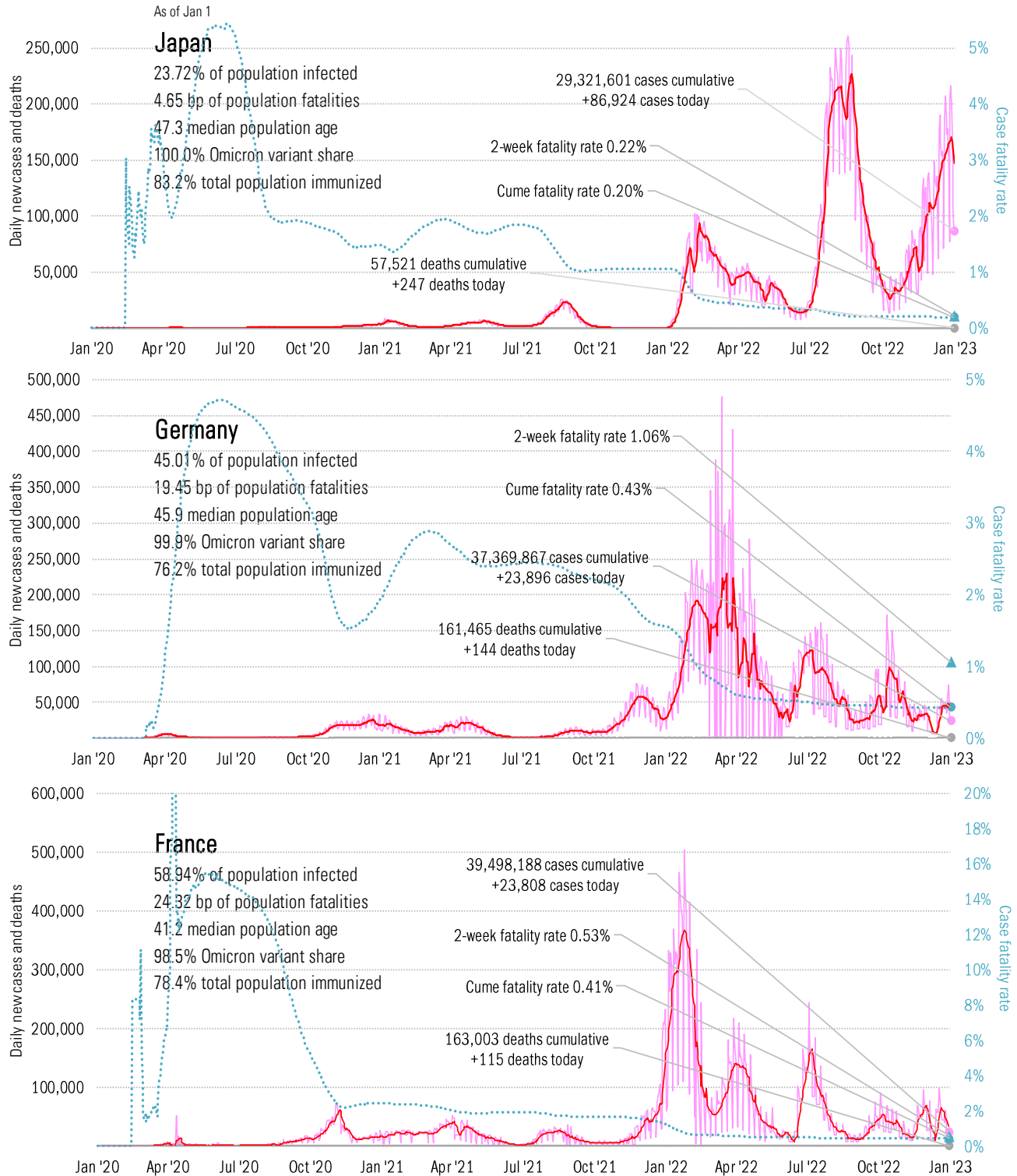
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

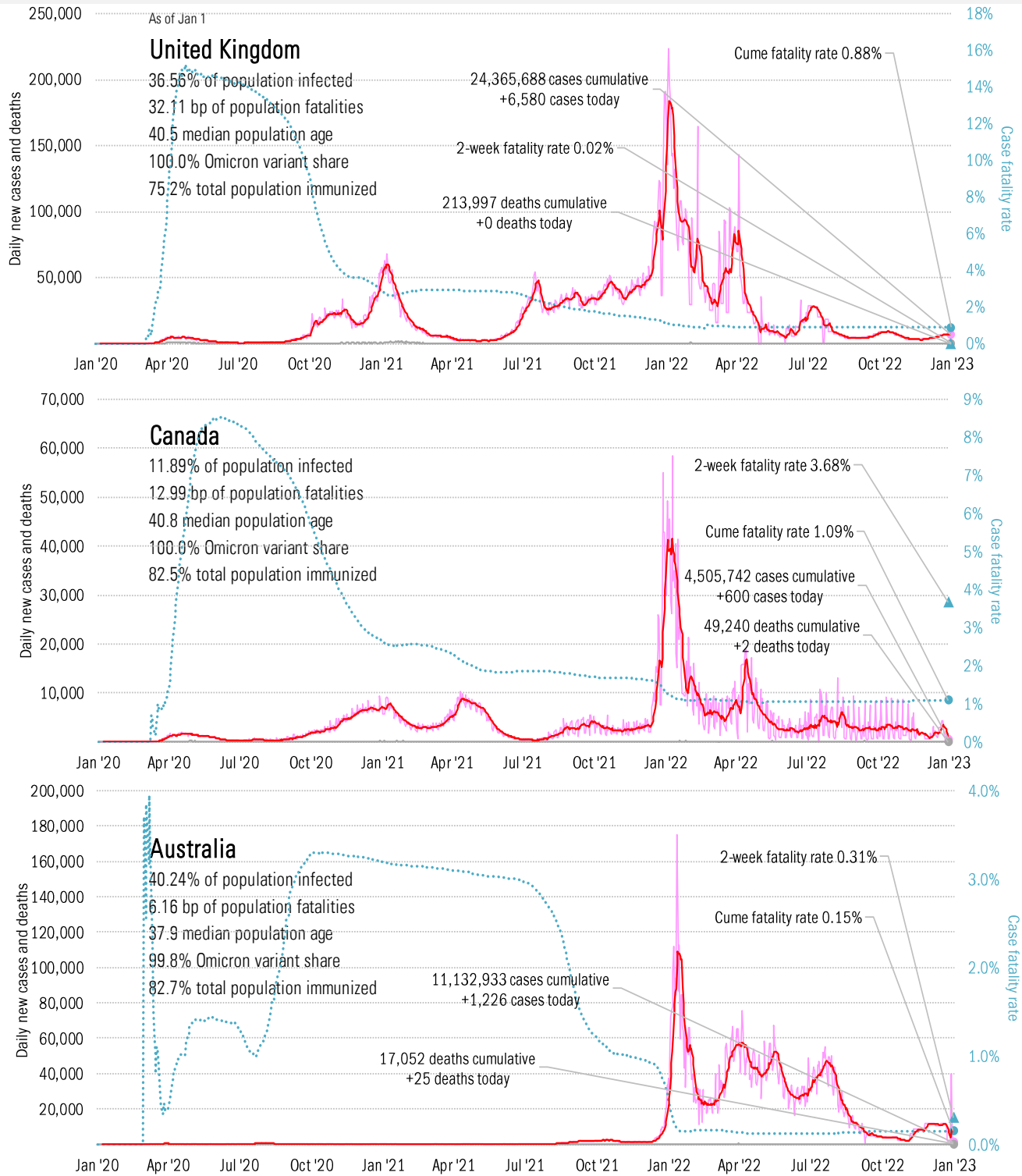
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

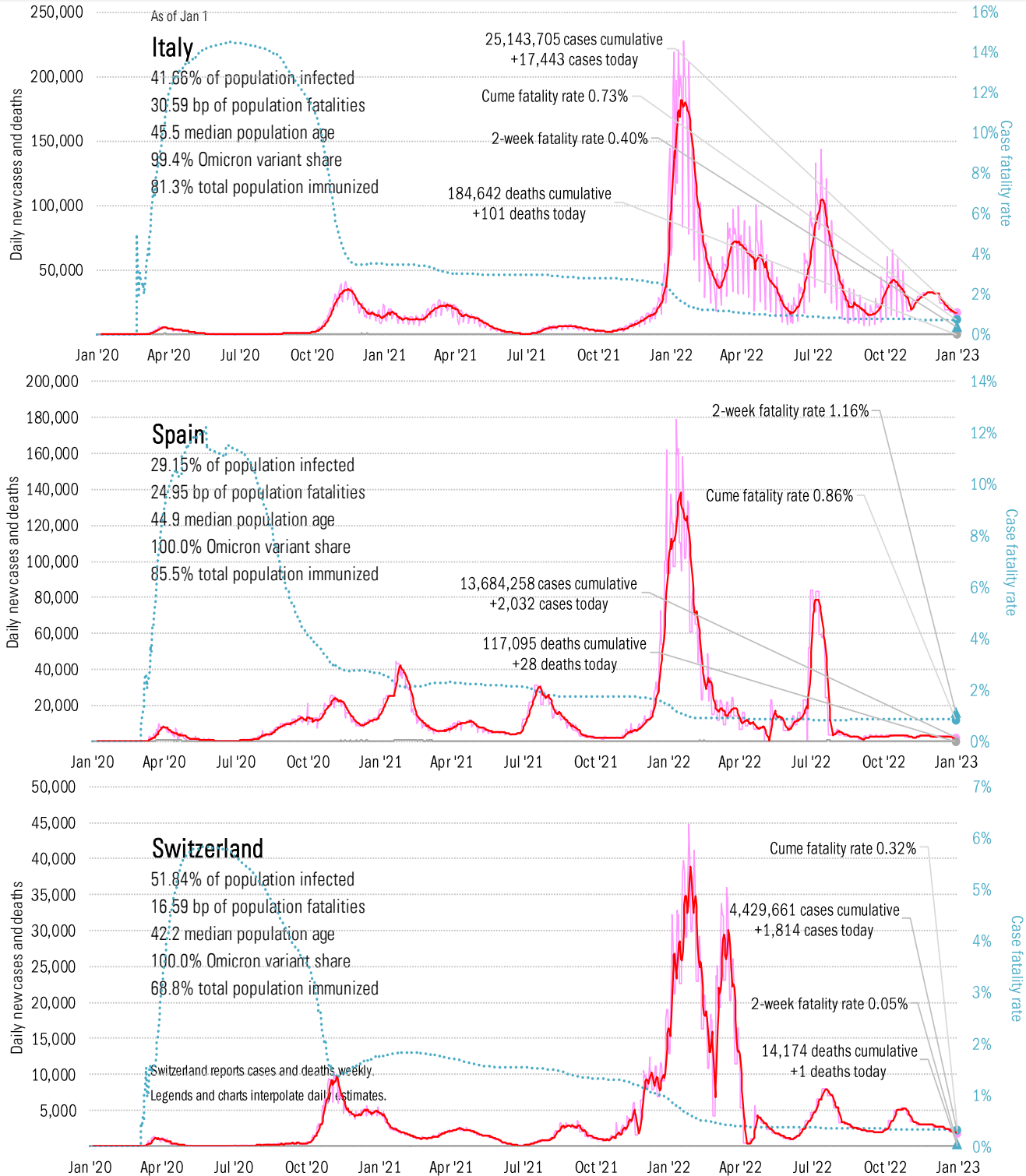
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

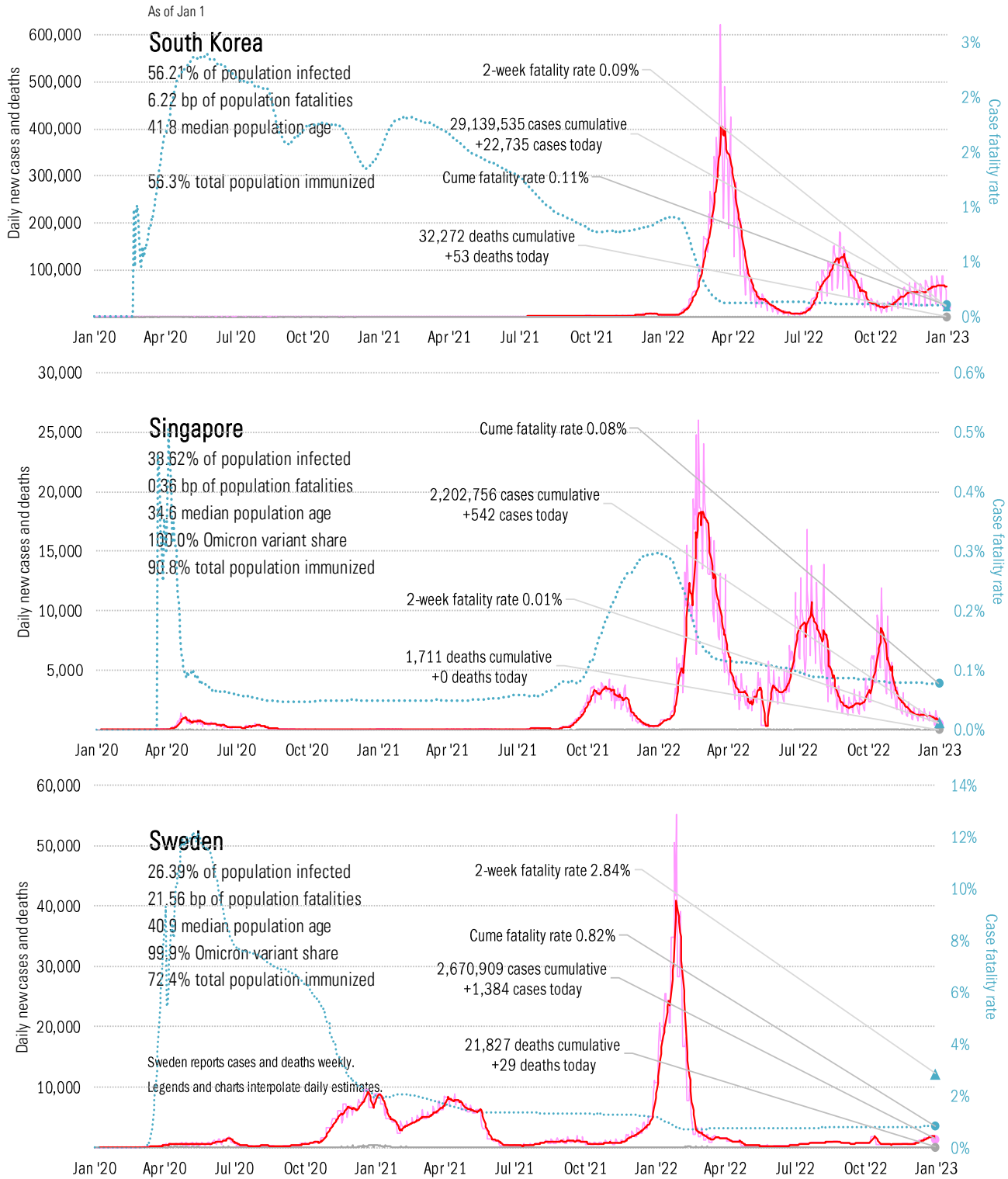
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

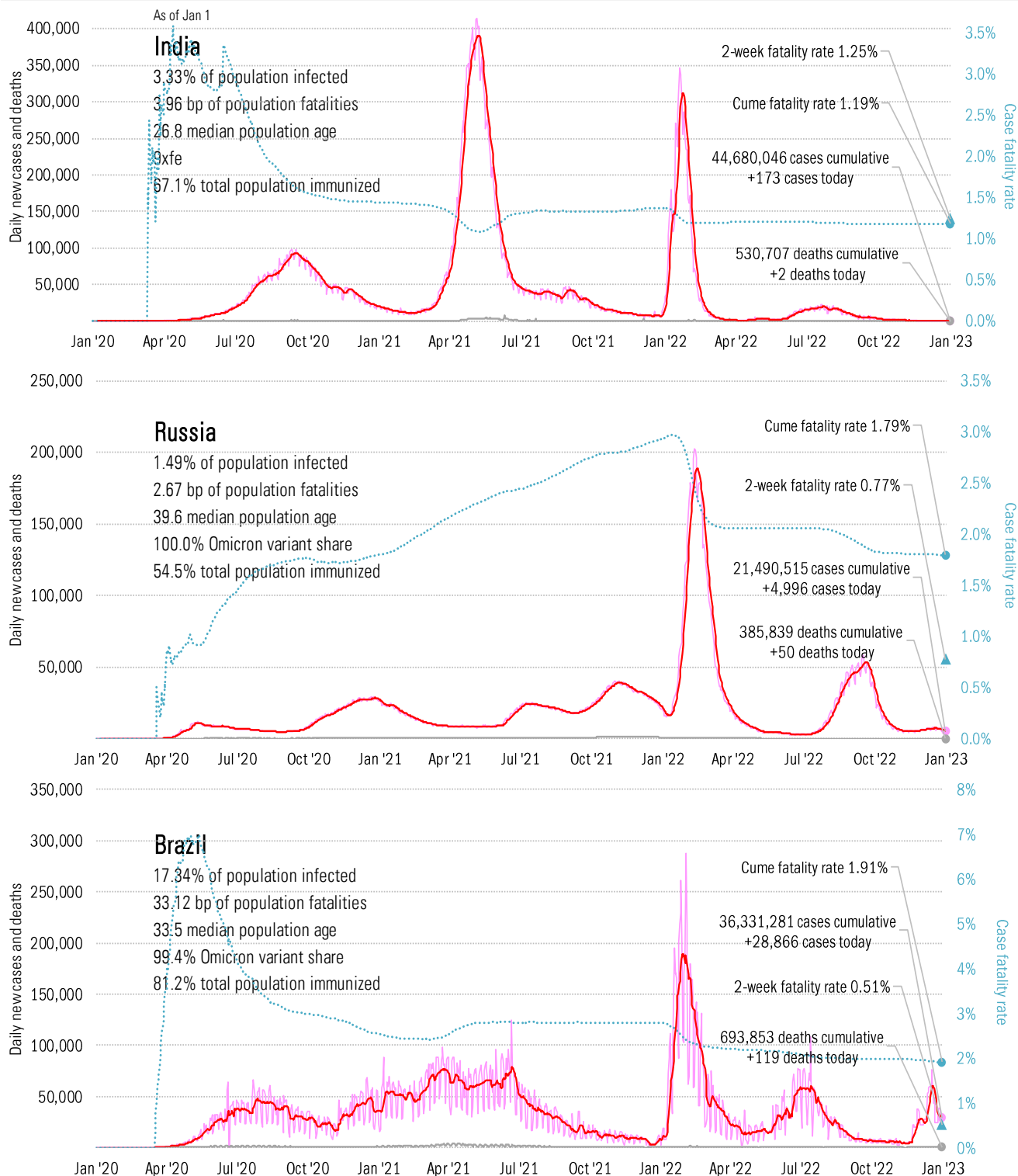
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

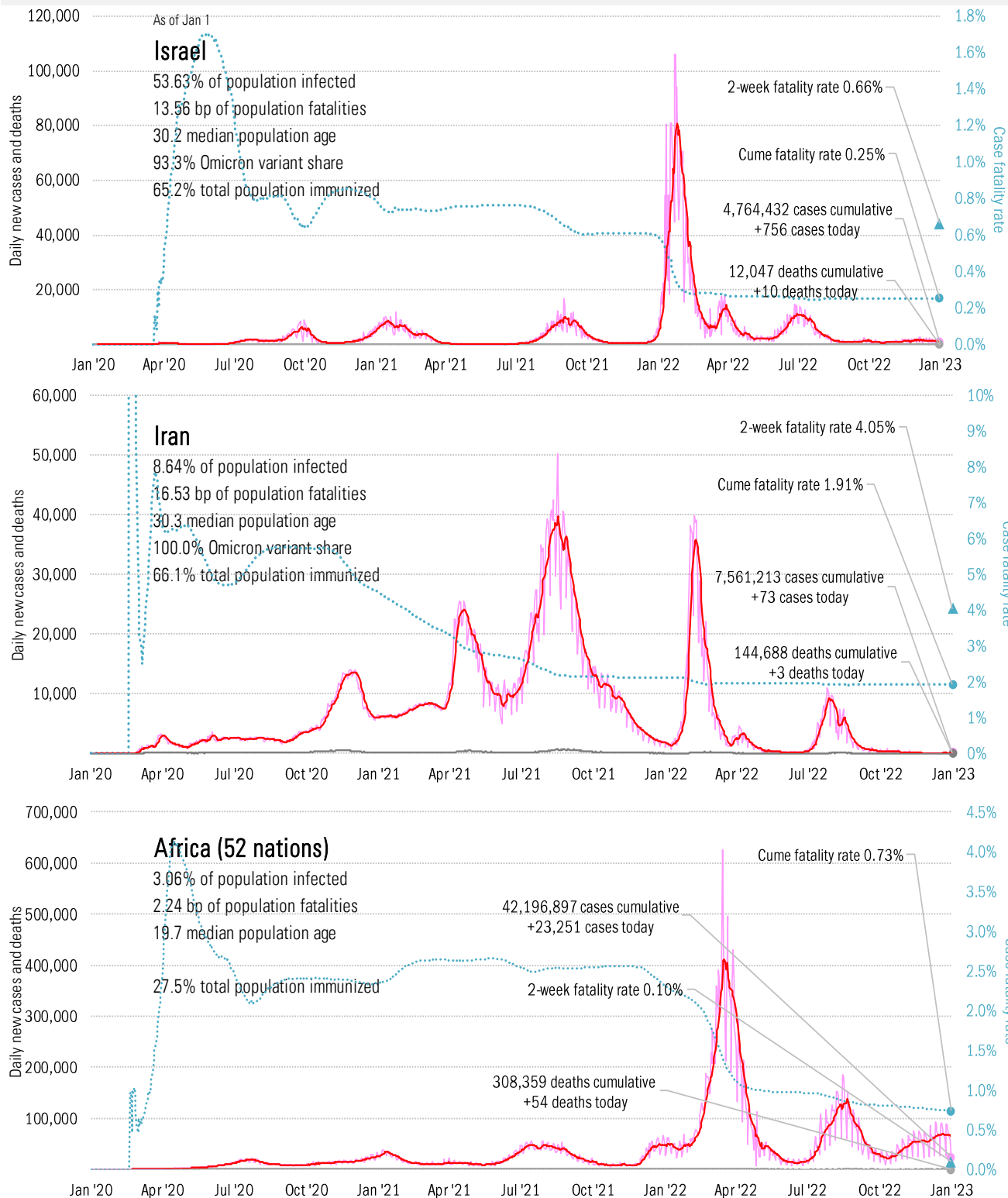
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

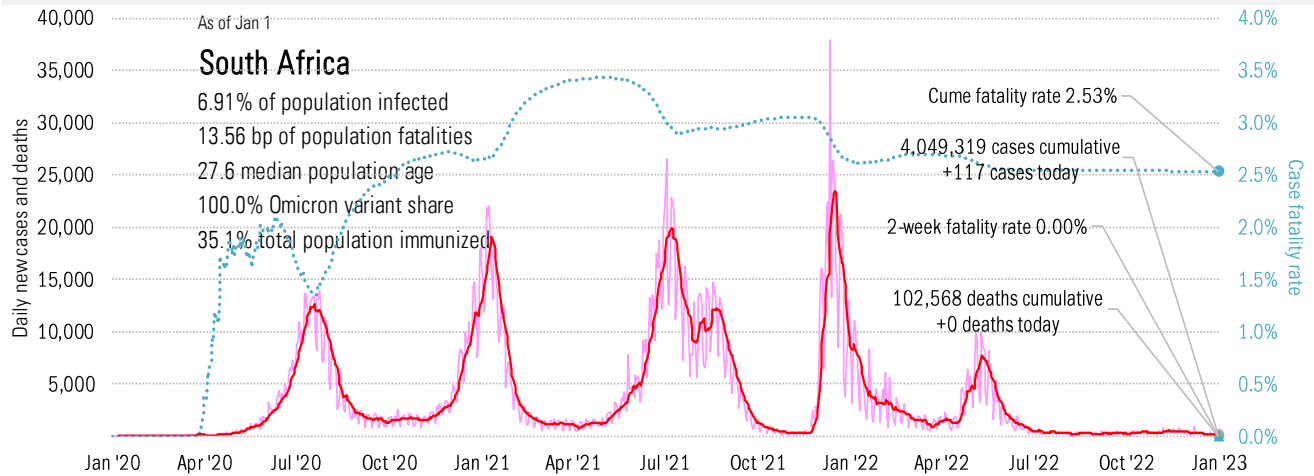
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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