

Data Insights: Covid-2019 Monitor

Wednesday, February 22, 2023

The global scorecard

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

The worst ten countries (see China note page 14)

New cases		New Deaths	
United States	50,020	United States	442
Italy	28,347	Germany	104
Germany	25,763	Japan	72
Japan	19,410	Australia	63
Taiwan*	17,240	Taiwan*	44
Brazil	17,169	Italy	43
Korea, South	13,082	Russia	38
Russia	11,172	France	32
China	8,847	Spain	30
Spain	7,038	Korea, South	14

New confirmed cases by continent

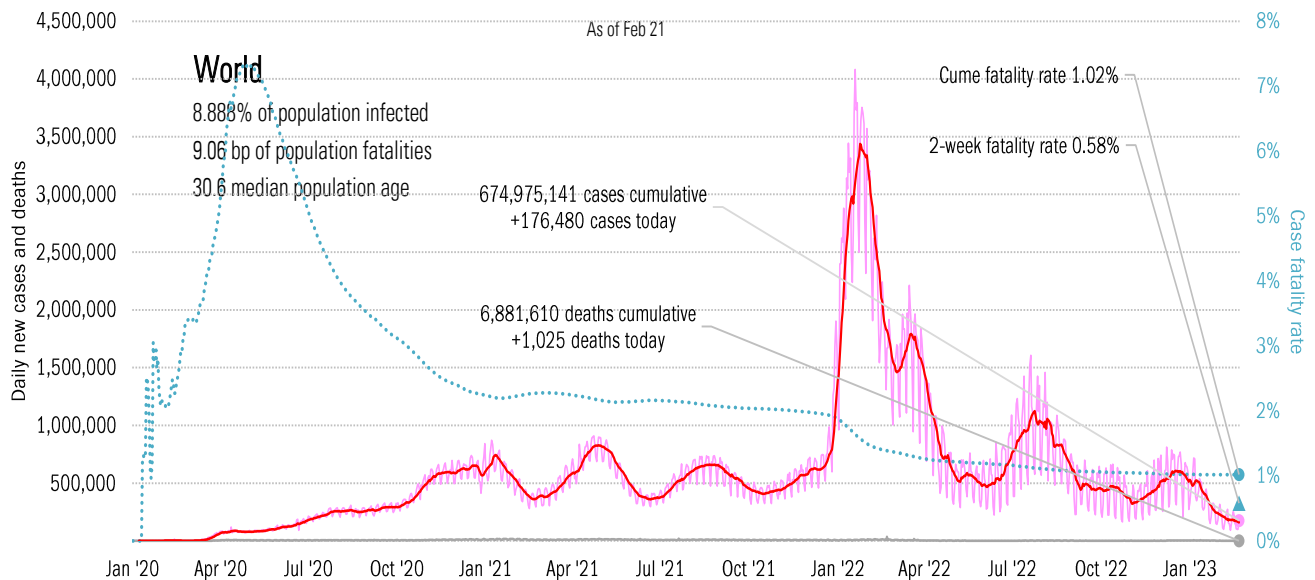
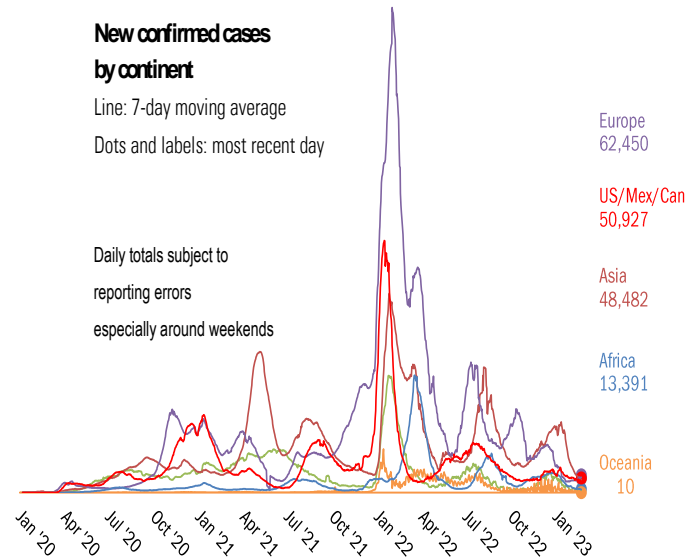
Line: 7-day moving average

Dots and labels: most recent day

Daily totals subject to

reporting errors

especially around weekends



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

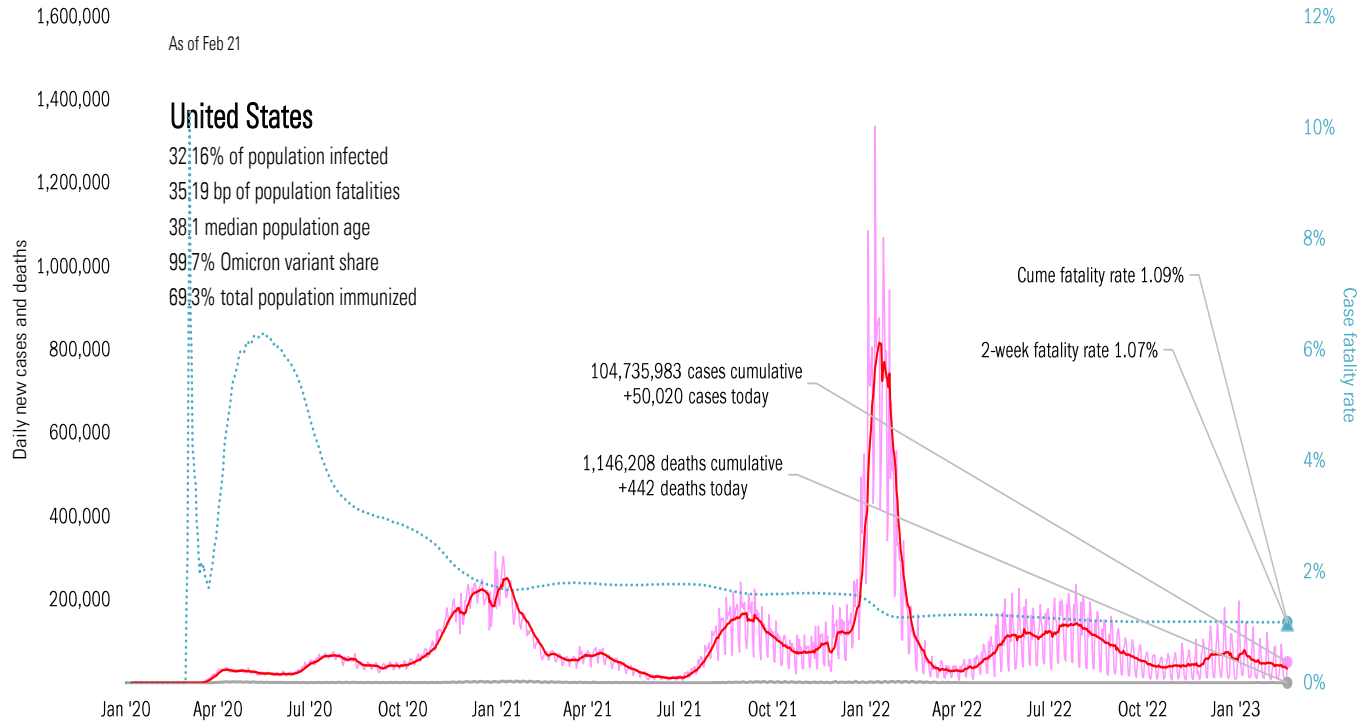
The ten worst US states

New cases			New deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
NY	11,991		FL	83		CA	428		CA	12,059,365		CA	100,581		TX	588,137		MA	88%	TX	86%
MI	6,547		MO	40		MT	23		TX	8,418,462		TX	93,047		CA	566,429		RI	86%	AL	85%
FL	4,721		CA	38		IA	33		FL	7,516,906		FL	86,294		FL	532,048		DC	84%	VT	83%
CA	4,041		NY	34		ID	20		NY	6,770,551		NY	76,990		NY	353,746		NV	84%	HI	82%
NC	1,673		DE	20		IN	71		IL	4,050,952		PA	50,055		CH	243,792		DE	83%	MA	82%
IL	1,545		PA	19		AK	12		PA	3,502,122		GA	42,245		GA	241,997		MN	82%	NM	81%
MO	1,393		MA	18		VT	8		NC	3,449,973		MI	41,957		PA	230,081		WA	82%	DC	81%
CH	1,286		NJ	13		IL	138		CH	3,373,859		CH	41,615		IL	213,283		CA	81%	NH	80%
CO	1,098		MI	13		NC	97		MI	3,049,739		IL	41,335		MI	180,384		AK	81%	CK	80%
GA	918		GA	12		NE	21		GA	3,049,248		NJ	35,931		NJ	162,898		MD	81%	NV	80%
35,213			291			851			55,241,177			610,050			3,312,795						
All states	50,020		442			3,072			All states	104,735,983		1,146,208			6,002,099			All states	70%	67%	
Top ten	70%		66%			28%			Top ten	54%		55%			55%			Median	76%	74%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
WI	-664	MD	-7	NY	-118
MD	-70	NE	-4	NJ	-62
AK	0	NM	-1	VA	-49
AL	0	AK	0	MI	-47
AR	0	AL	0	AL	-42

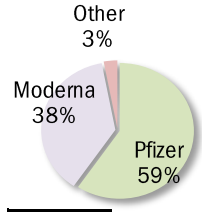


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	687,757,074		+0.100 million		US	69.3%	81.1%	
			Of which boosters: +0.069 million		UK	75.2%	79.7%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.4%	80.6%
Total population	277,766,983	83%	236,754,227	71%	+0.014 million	Spain	85.6%	86.9%
Age 12 to 17	18,473,231	73%	15,810,010	62%	+0.001 million	Germany	76.2%	77.8%
Age 18 to 64	184,660,818	91%	156,918,716	77%	+0.008 million	Italy	81.3%	86.2%
Age 65 and over	61,081,851	100%	53,508,406	98%	+0.002 million	Australia	82.7%	85.0%
						Israel	65.2%	71.1%
						Canada	82.6%	90.4%
						Japan	83.3%	84.5%
						Africa	28.5%	34.7%
						India	67.2%	72.5%
						Brazil	81.6%	87.9%
						China	89.5%	91.9%



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

AK	73.0%
	65.1%

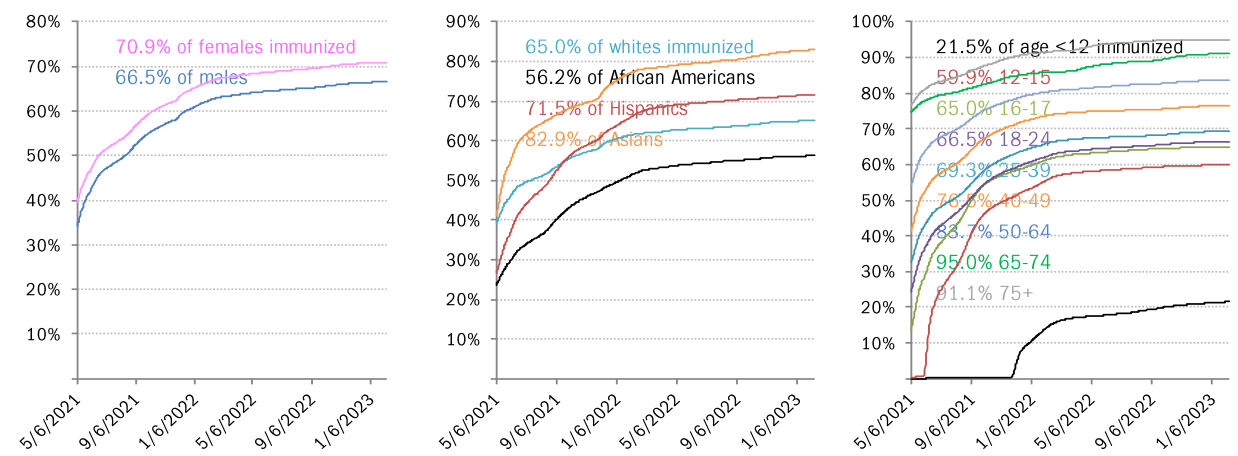
WI	75.1%
	68.2%

As of Feb 17

ME	95.0%
	83.3%

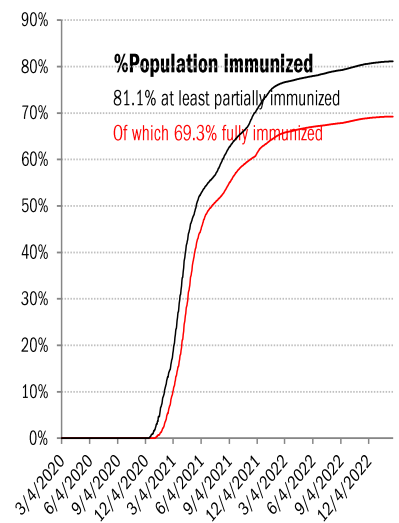
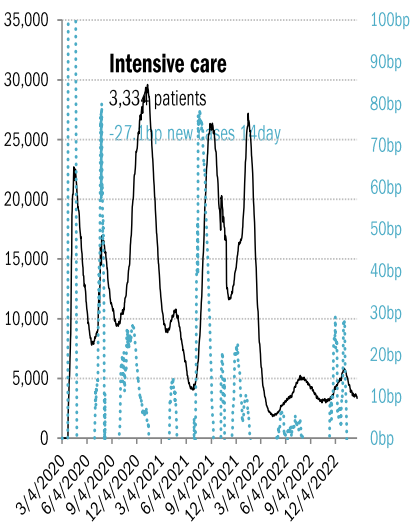
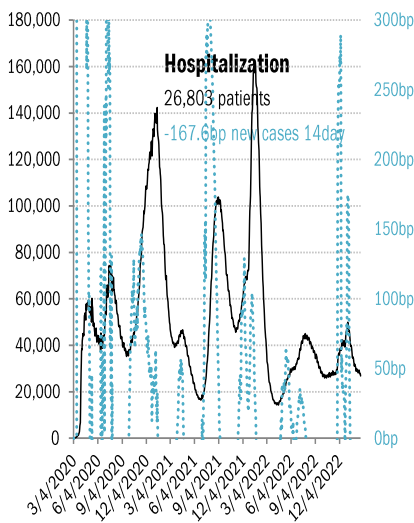
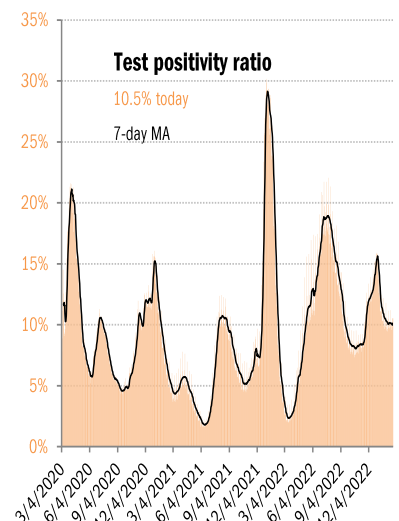
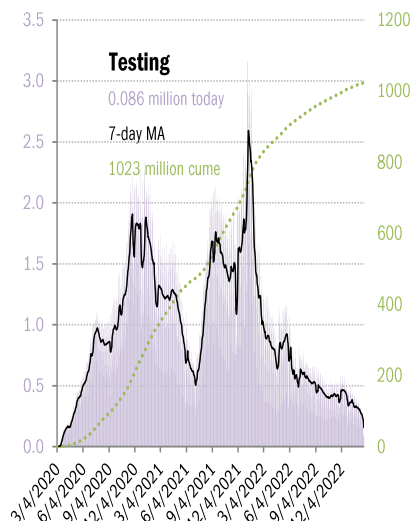
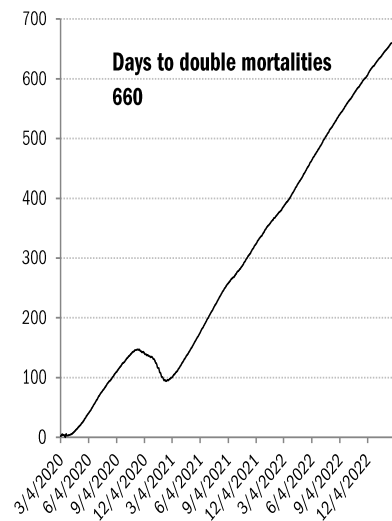
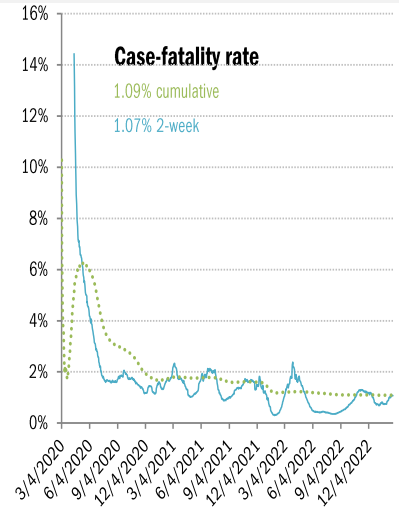
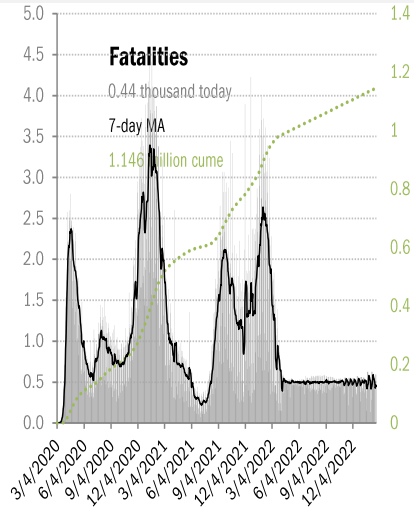
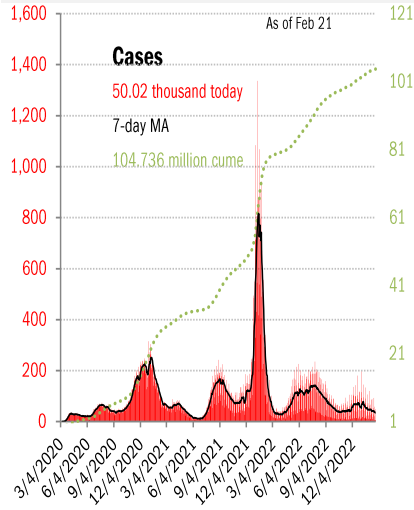
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
85.2%	63.9%	68.3%	69.4%	78.8%	79.2%	69.4%	94.4%	95.0%	88.2%	
76.0%	56.4%	59.2%	58.7%	72.1%	71.3%	62.3%	80.8%	85.7%	71.9%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.6%	77.6%	60.9%	83.9%	70.7%	64.4%	65.7%	90.6%	94.6%	95.0%	
72.4%	63.7%	53.0%	66.3%	64.4%	57.7%	60.4%	73.4%	79.1%	84.3%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.7%	75.3%	83.7%	73.4%	69.3%	68.8%	67.5%	91.0%	91.7%	95.0%	95.0%
74.7%	66.7%	73.5%	66.3%	59.0%	59.6%	59.7%	76.6%	79.7%	83.0%	87.7%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	77.6%	94.4%	76.2%	69.9%	64.4%	92.2%	71.0%	95.0%	88.2%	
	66.0%	75.2%	65.3%	56.9%	56.3%	67.1%	59.9%	90.4%	73.3%	
	OK	LA	MS	AL	GA					
	74.6%	62.8%	61.6%	65.0%	68.4%					
	60.5%	55.0%	53.7%	53.2%	57.3%					
	TX	FL	PR							
	76.4%	82.5%	90.9%							
	63.2%	69.4%	84.1%							

The demographics of US vaccination

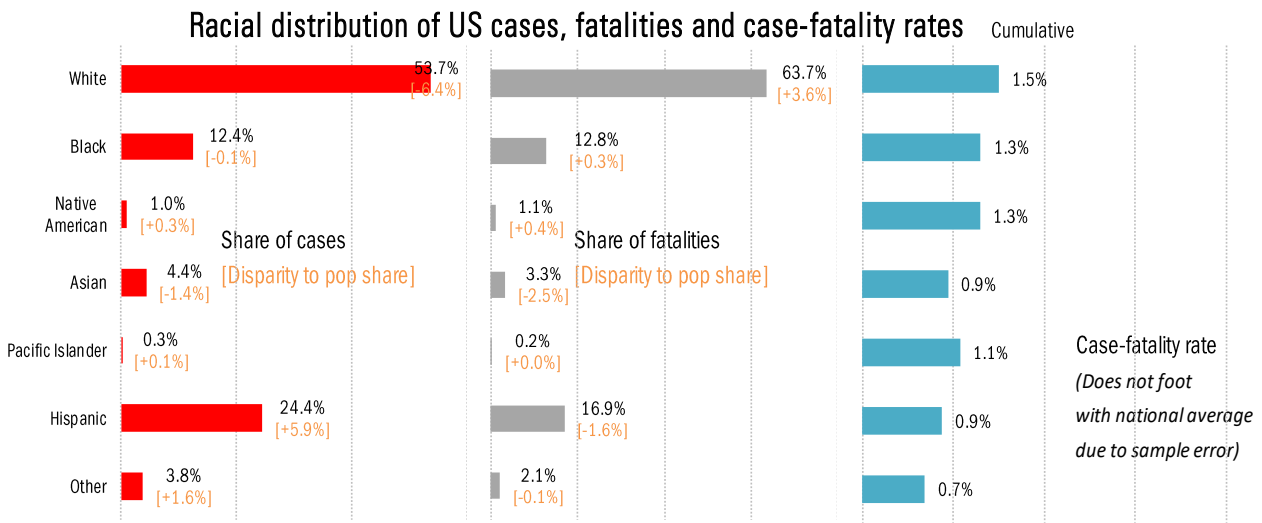
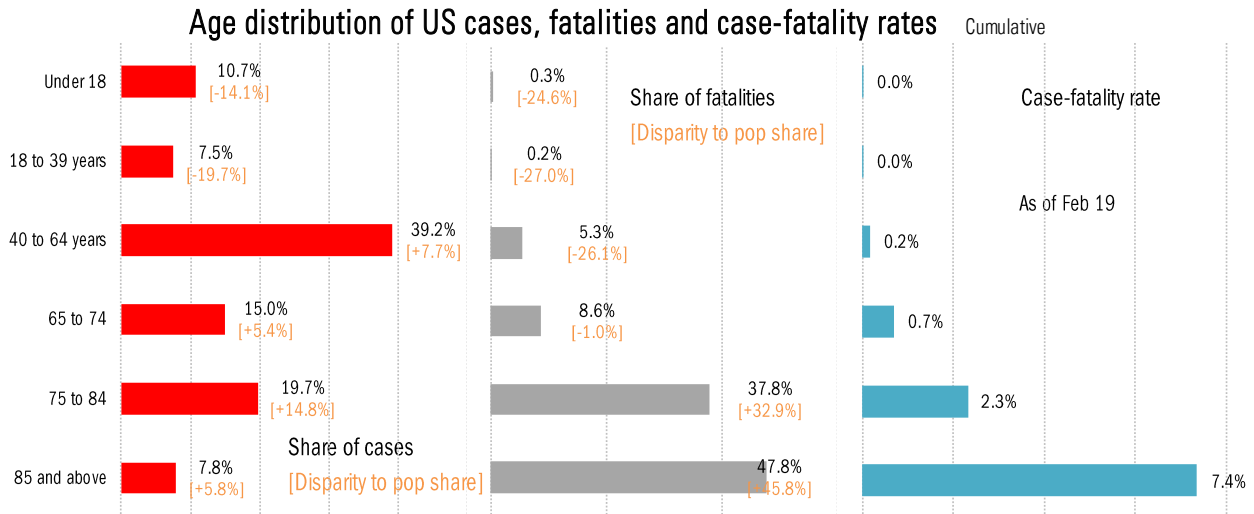


Source: CDC, CDC, Our World in Data, TrendMacro calculations

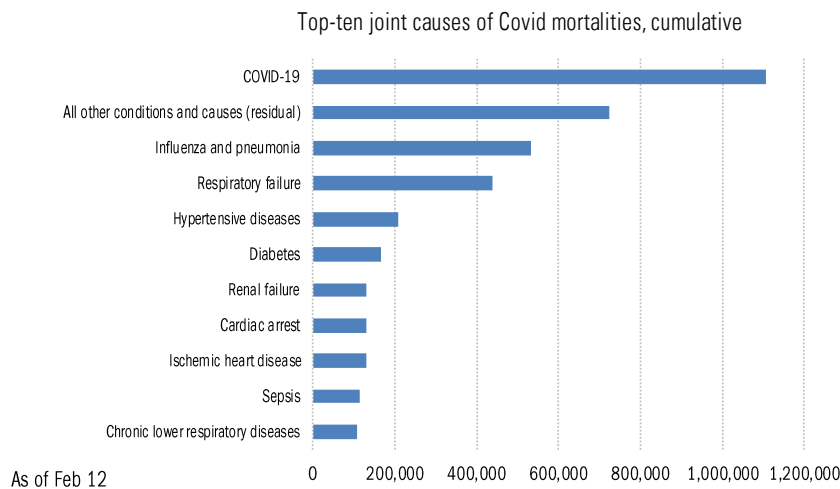
US deep-dive



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

[The 4 day week UK results are here](#)

4 Day Week Global

February 21, 2023

[Firms stick to four-day week after trial ends](#)

Simon Read, Lucy Hooker & Emma Simpson

BBC

February 21, 2023

[After Testing Four-Day Week, Companies Say They Don't Want to Stop](#)

Vanessa Fuhrmans

Wall Street Journal

February 21, 2023

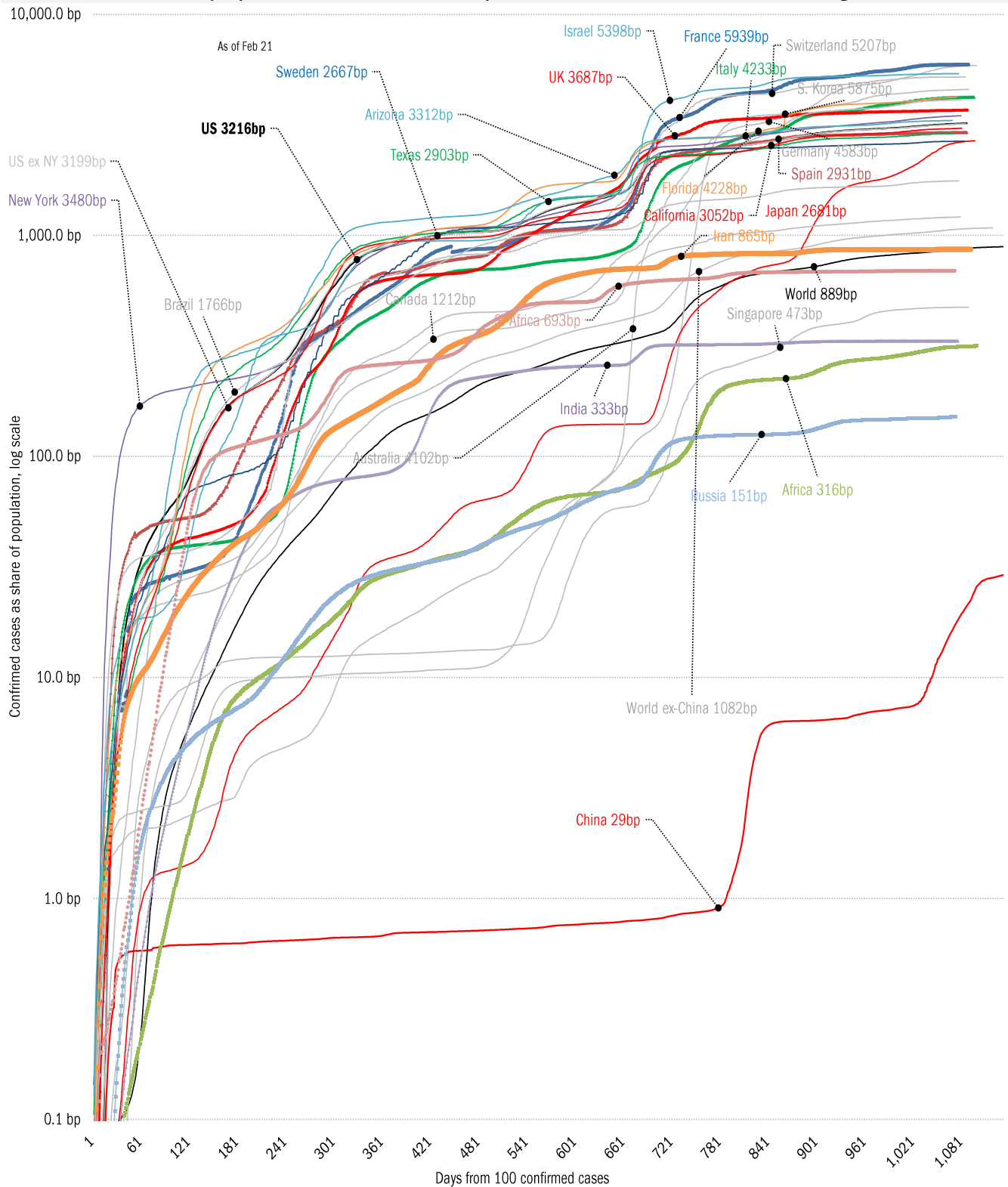
Meme of the Day



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

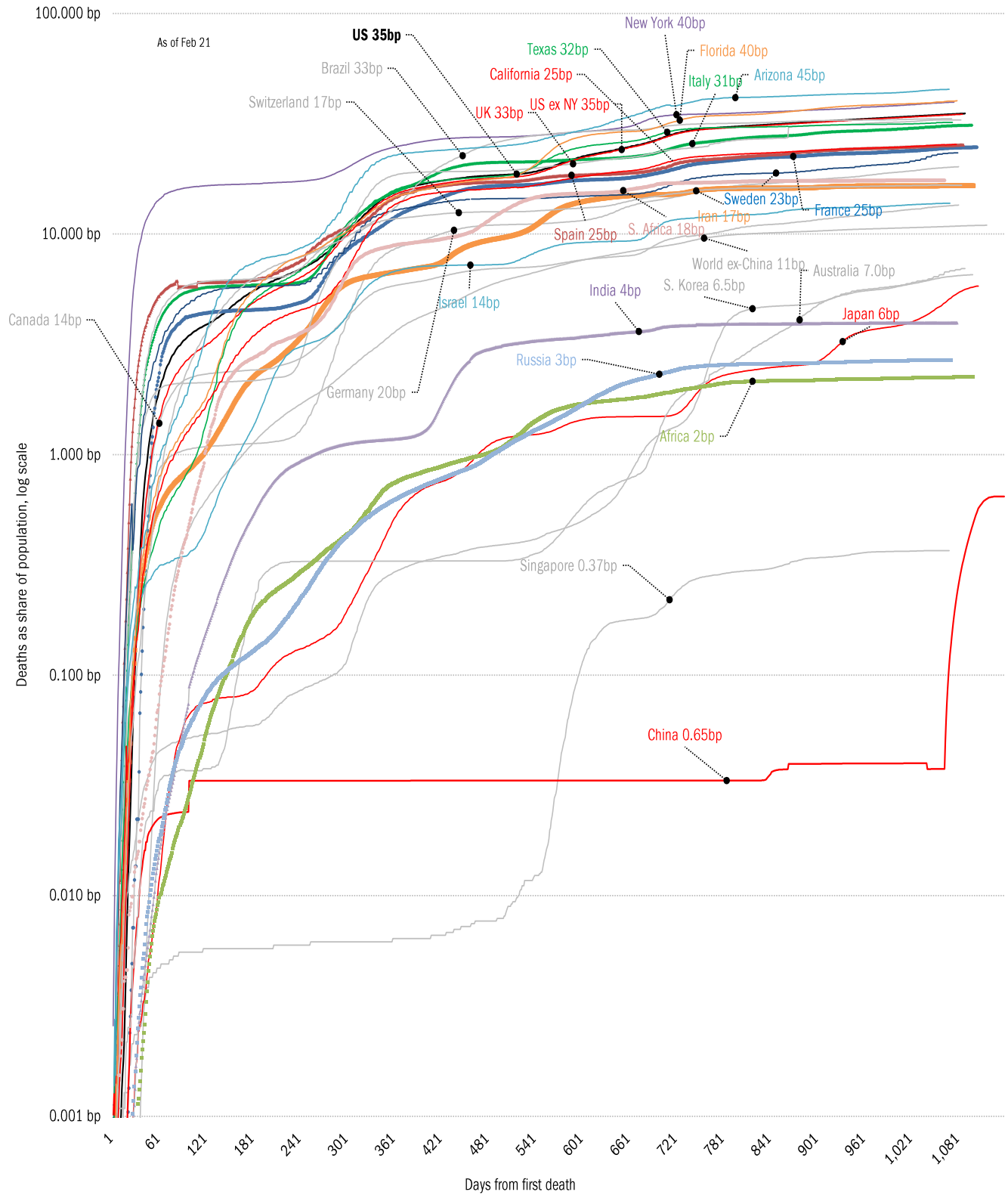
The global coronavirus case accelerometer... tracking the world's infection curves

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

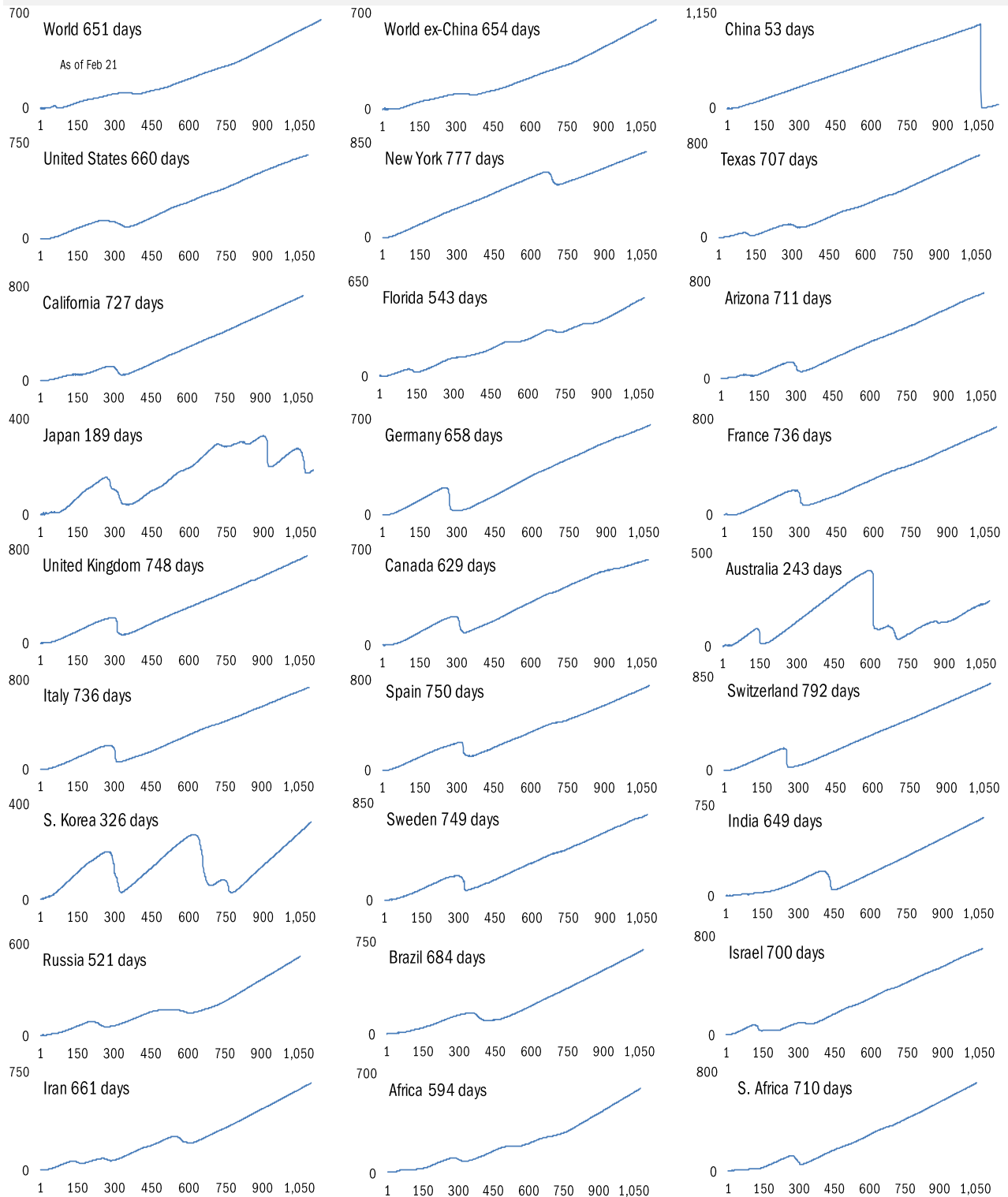


Source: [Johns Hopkins](#), TrendMacro calculations

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

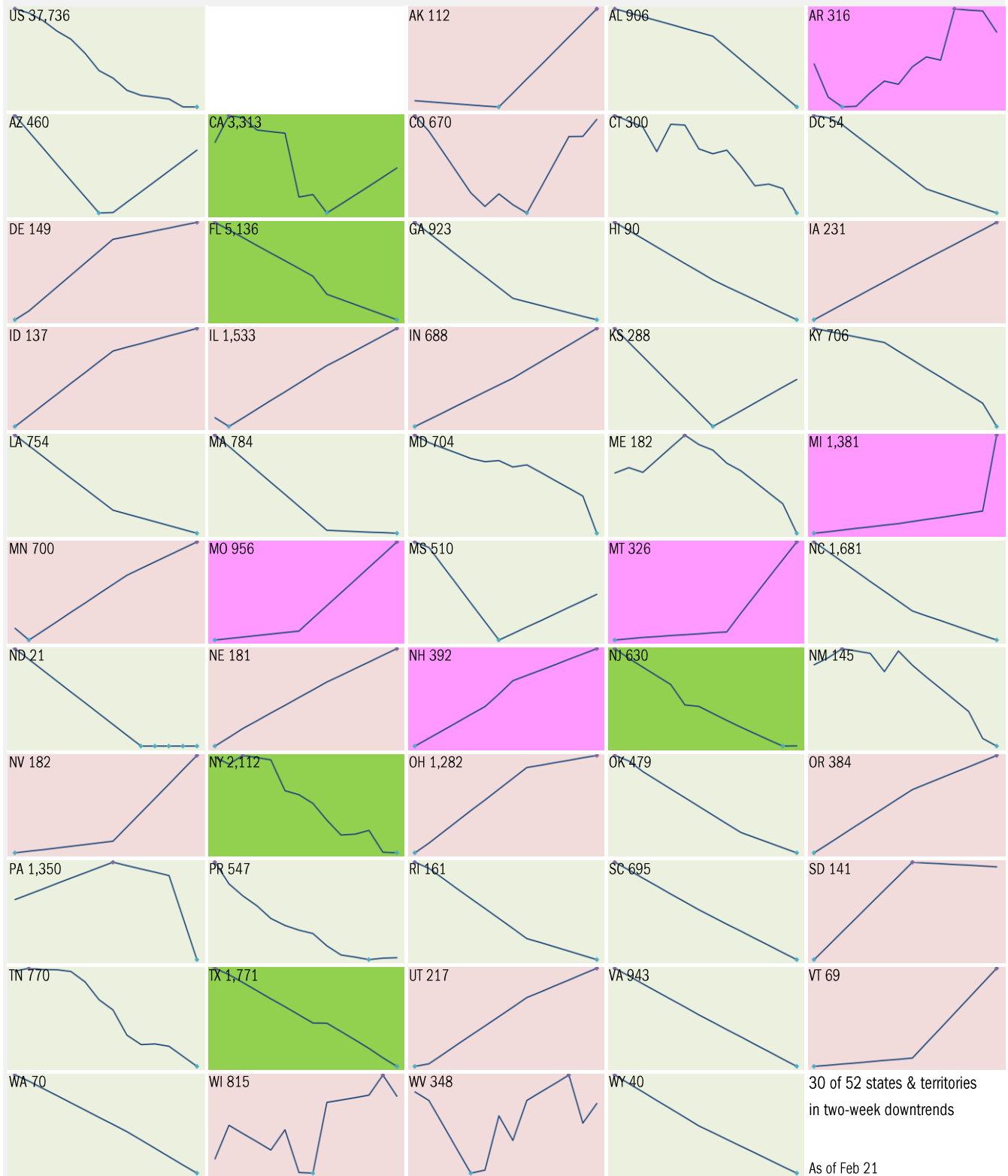


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

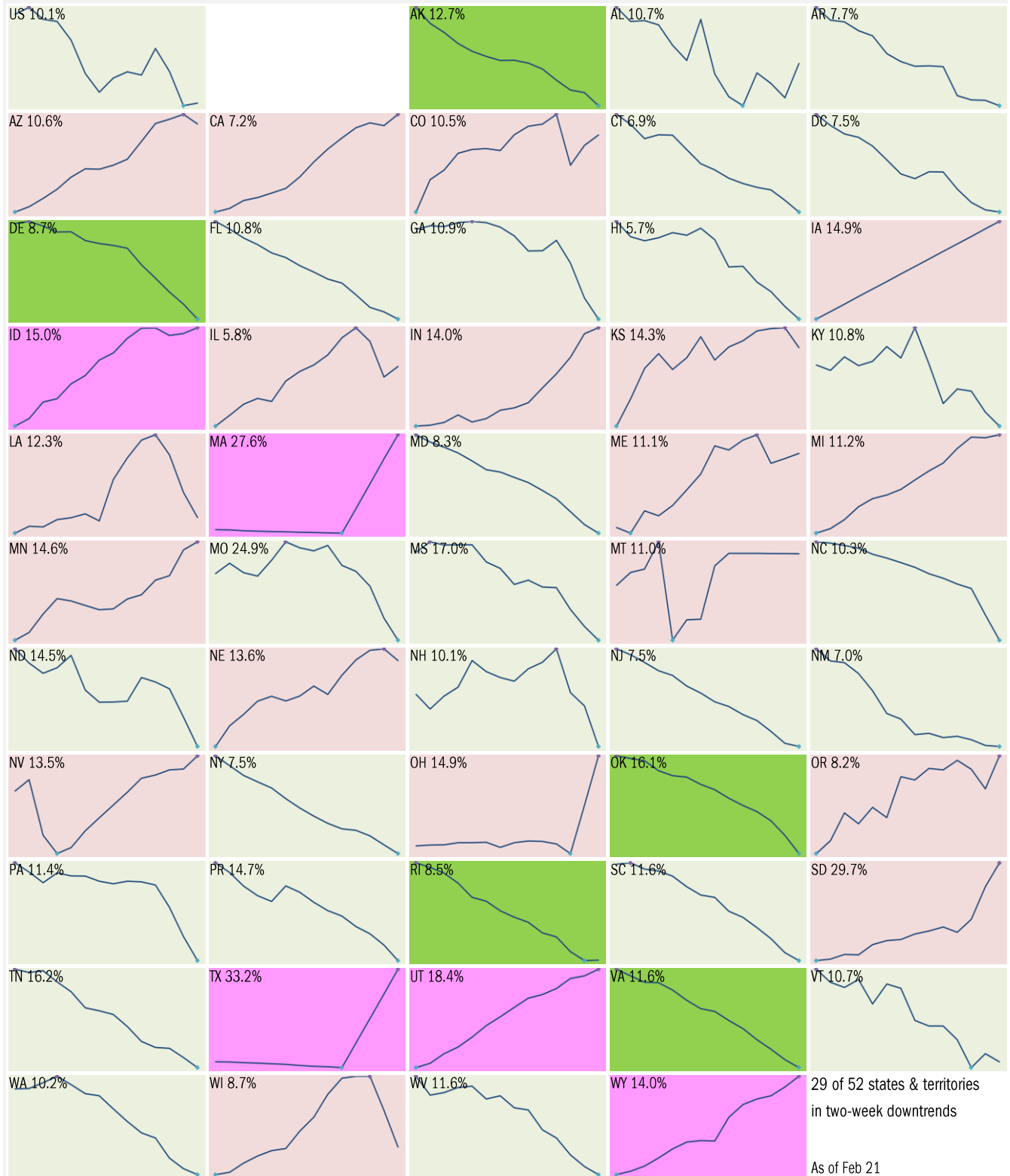


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

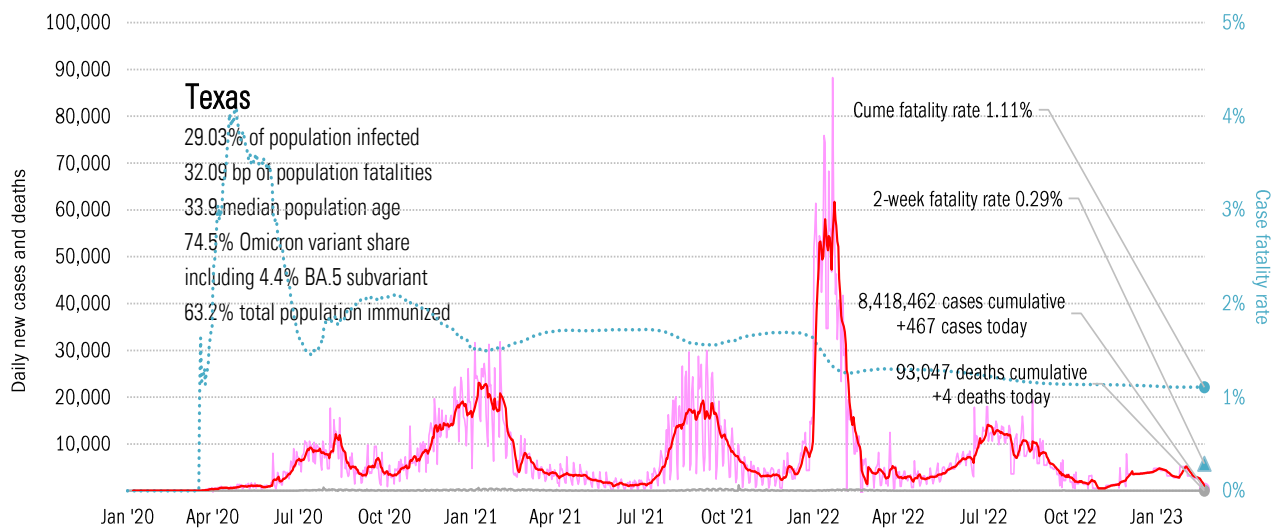
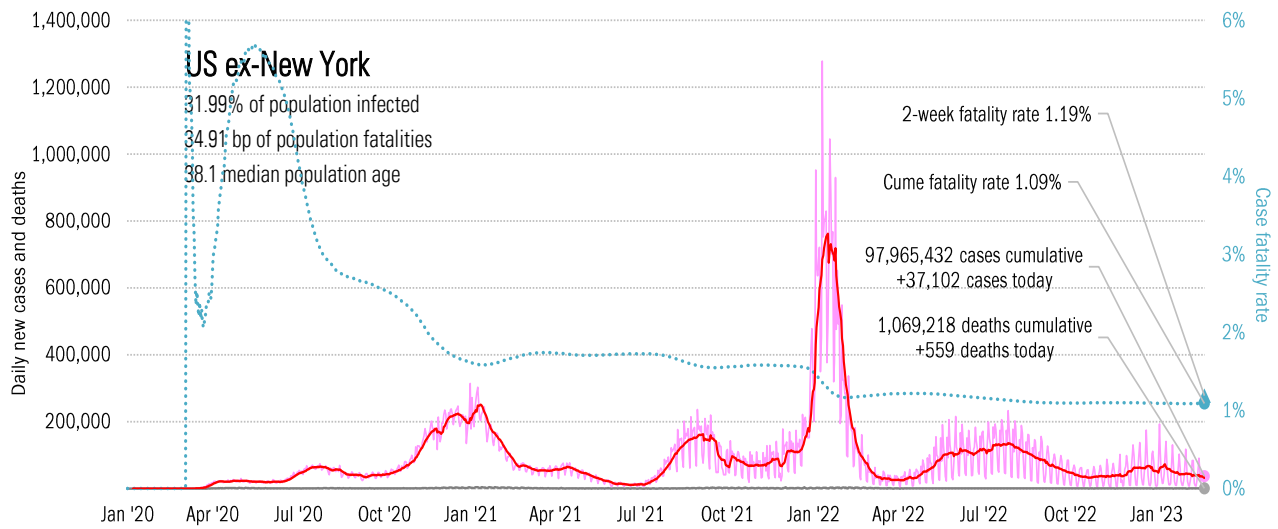
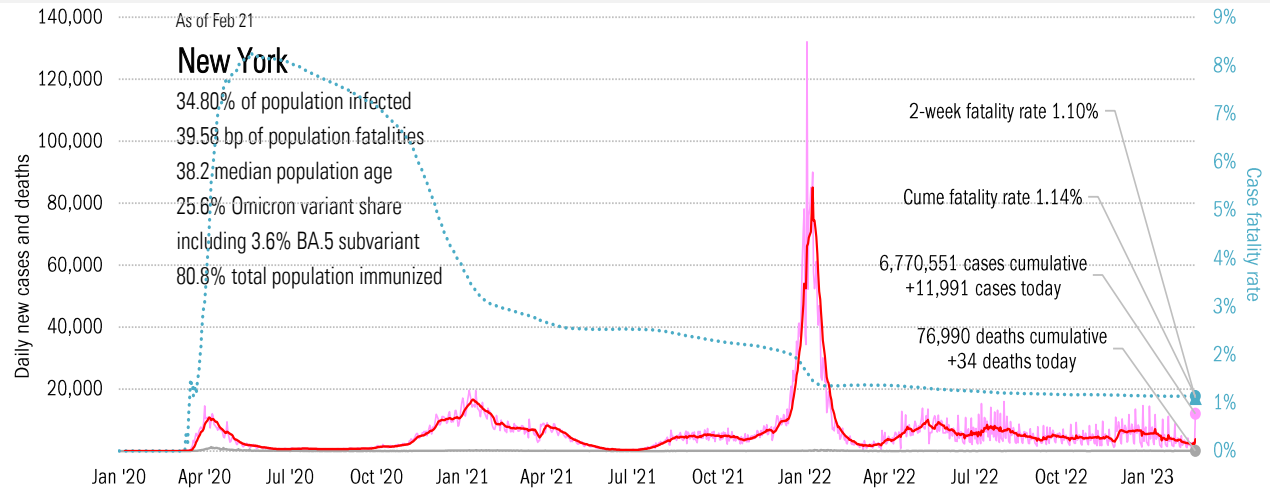
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

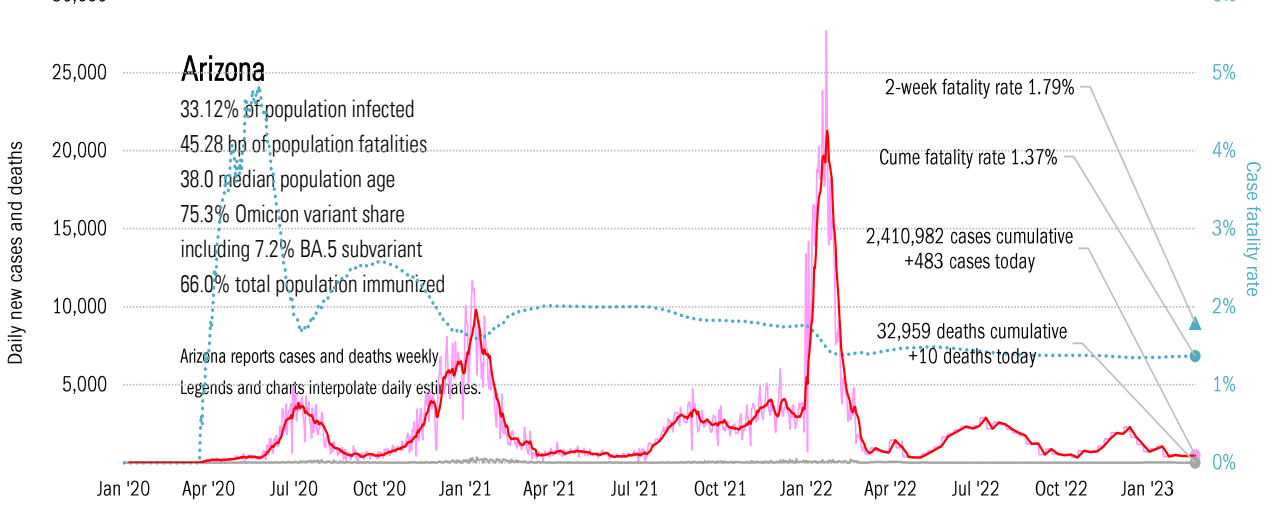
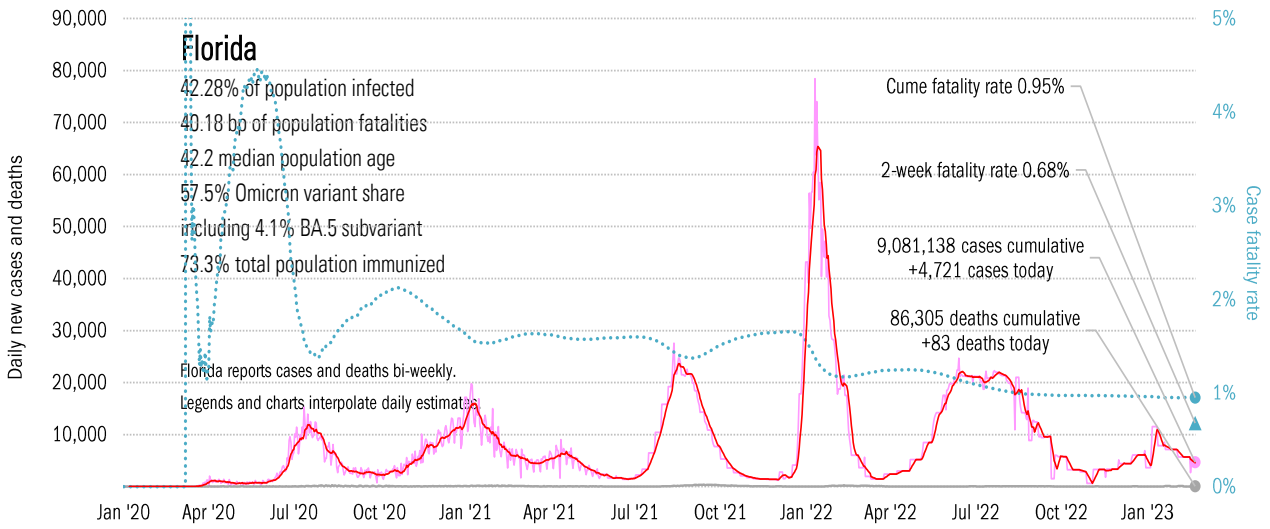
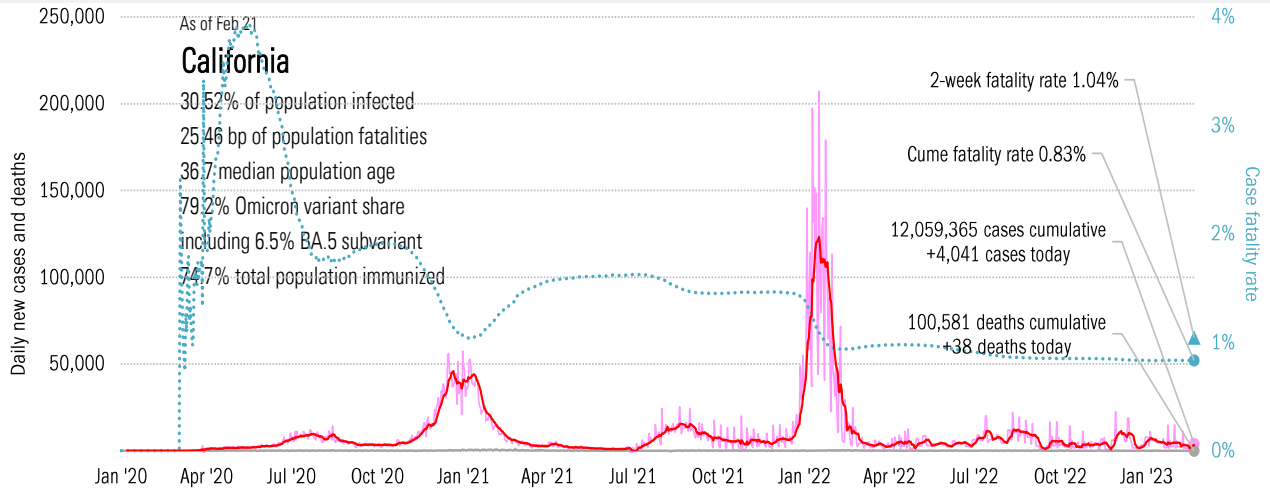
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

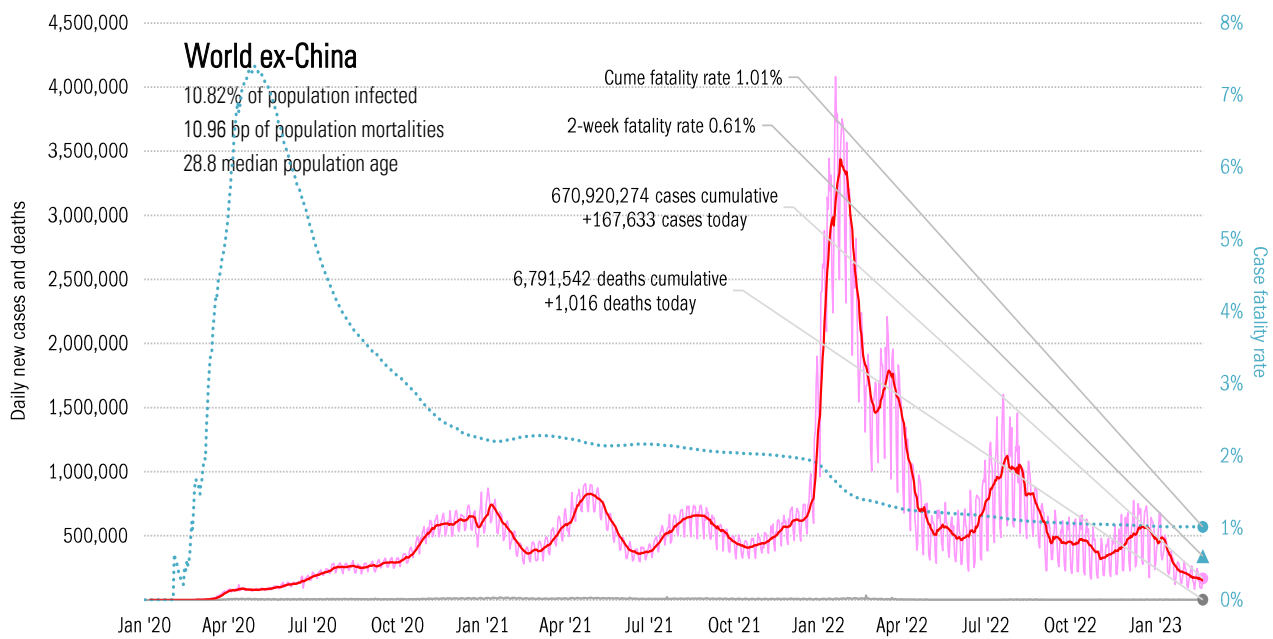
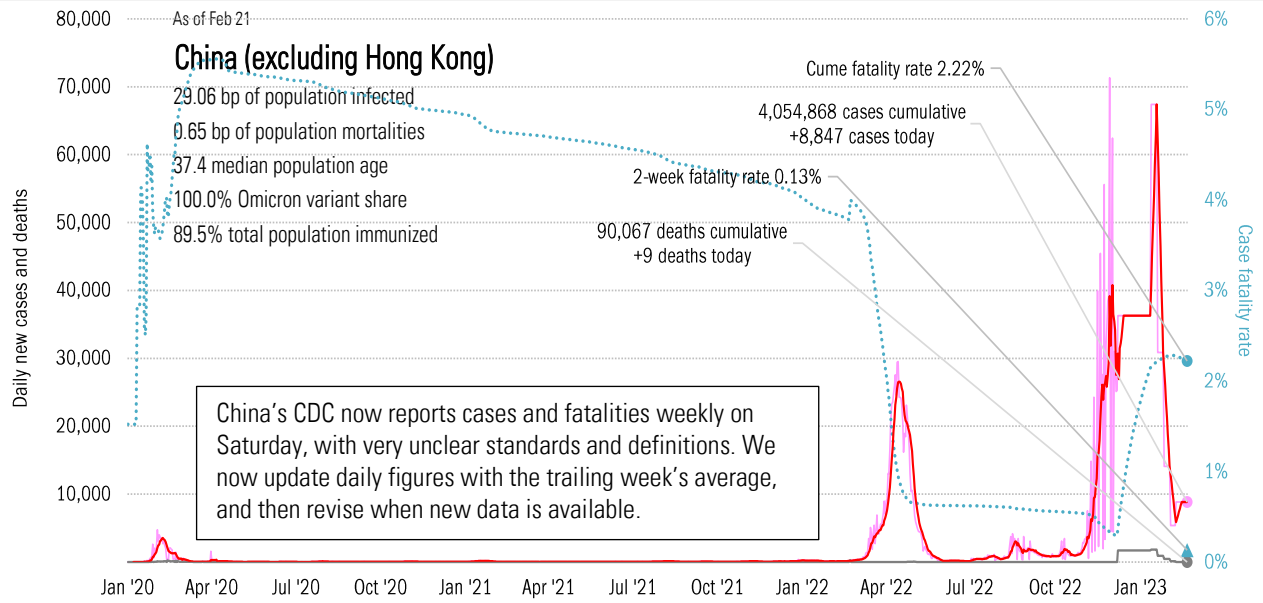
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

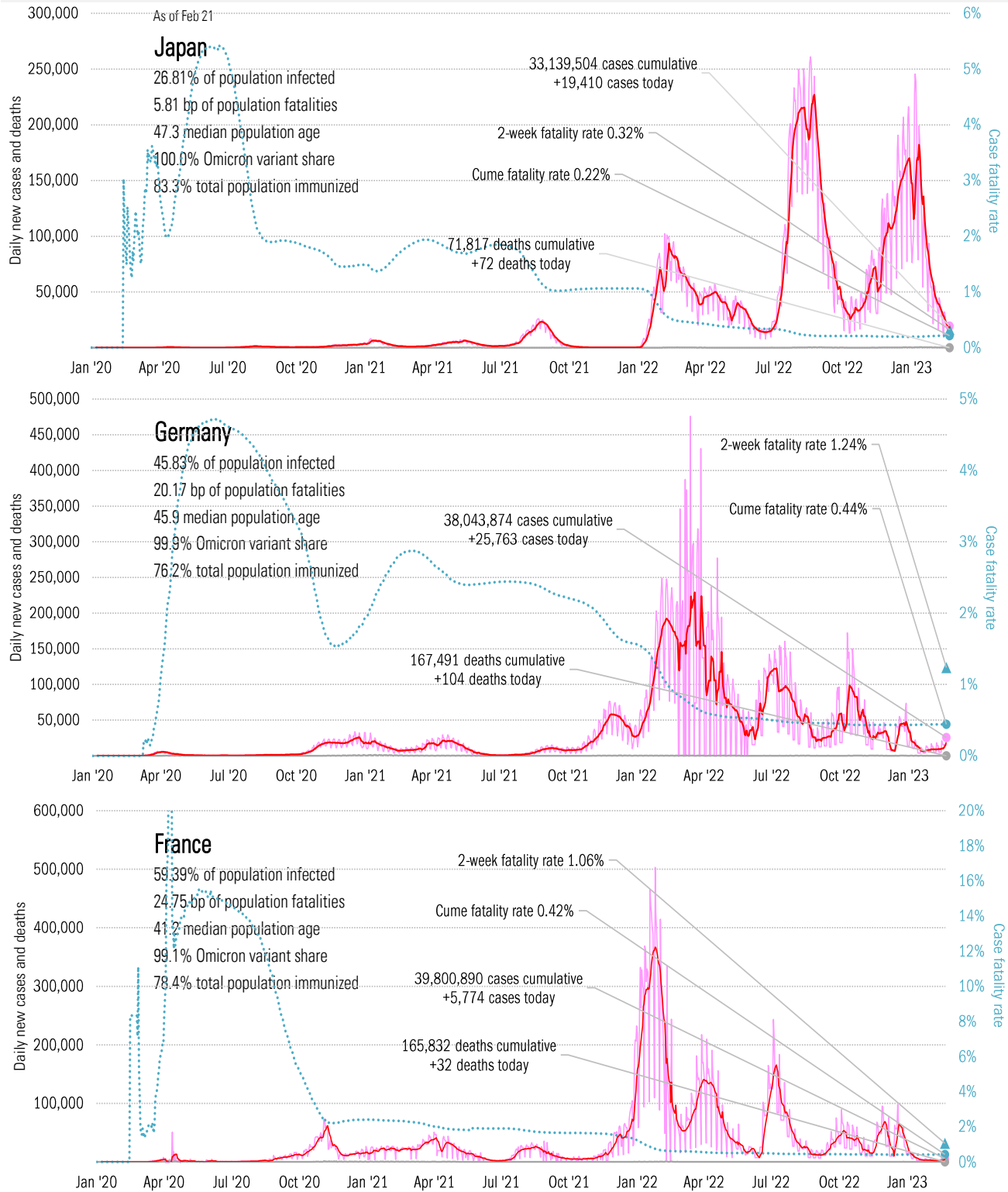
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

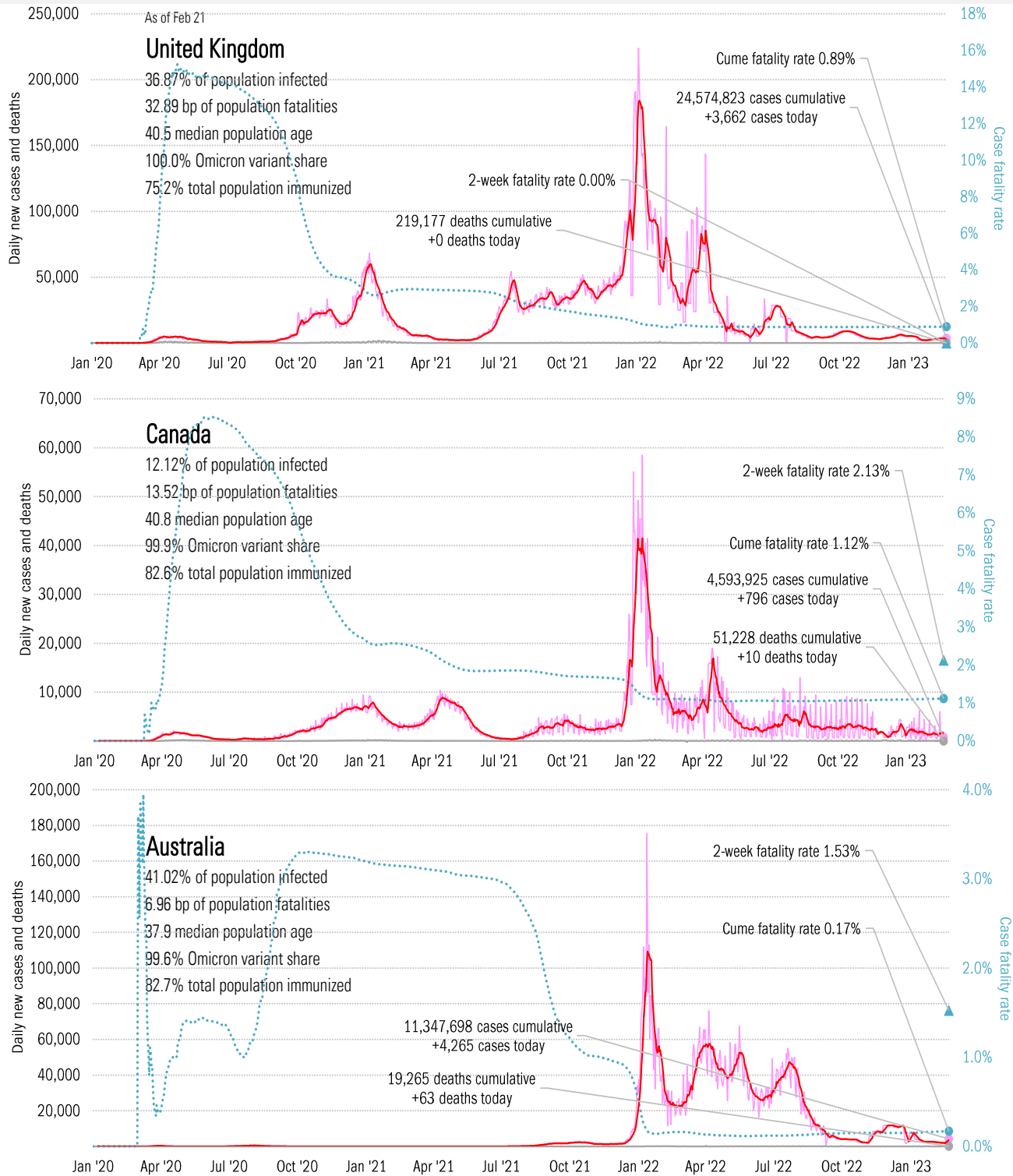
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

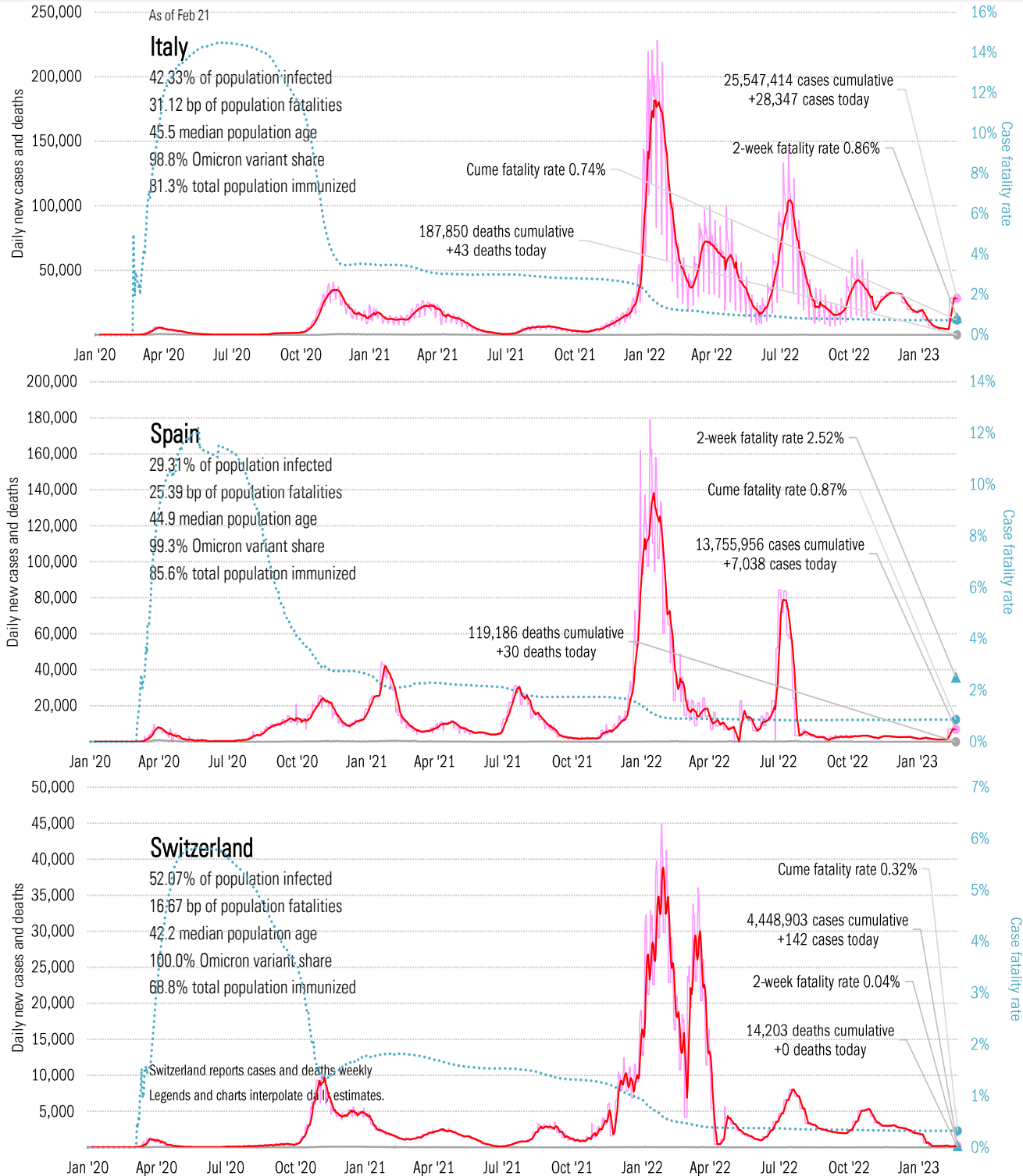
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

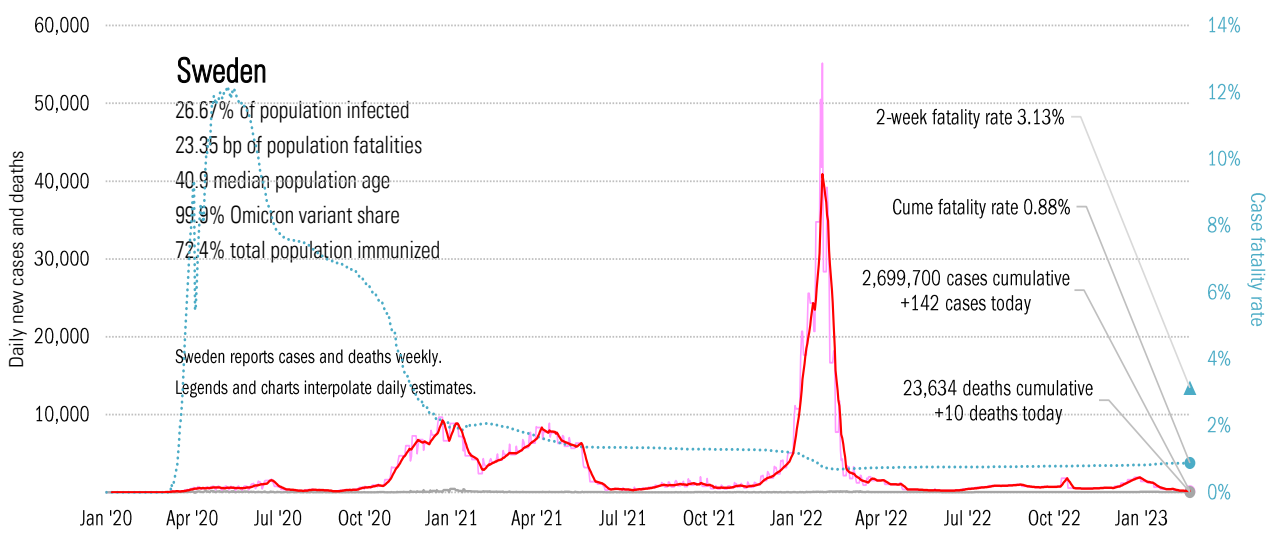
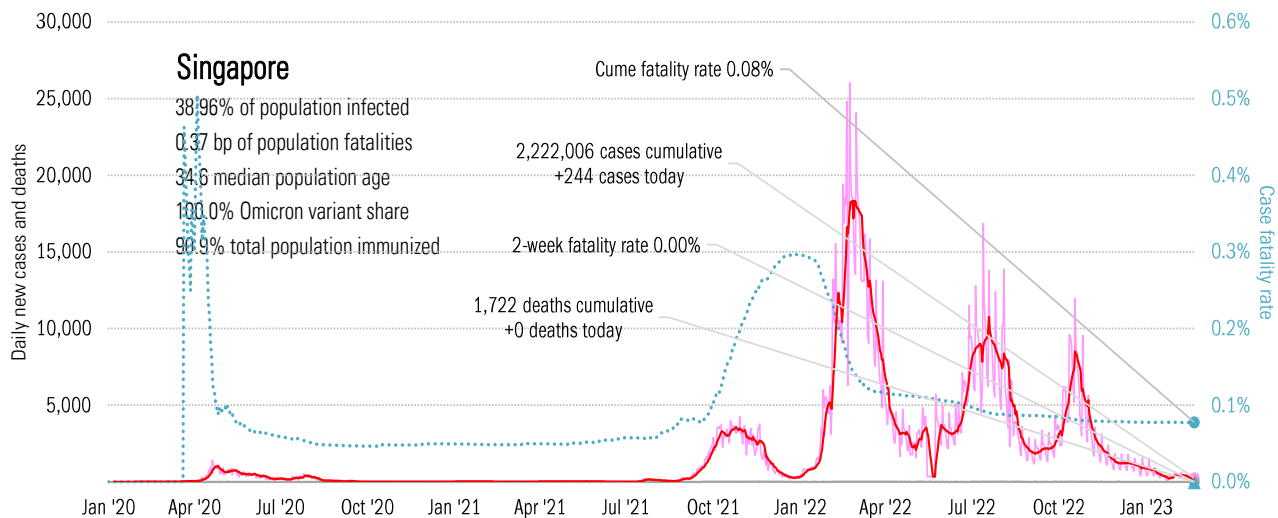
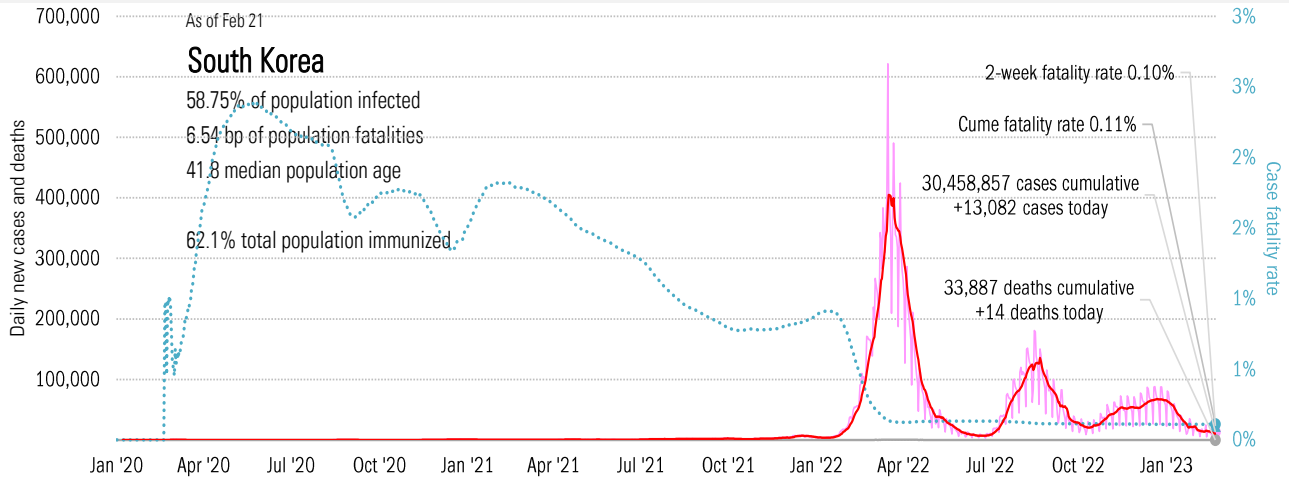
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

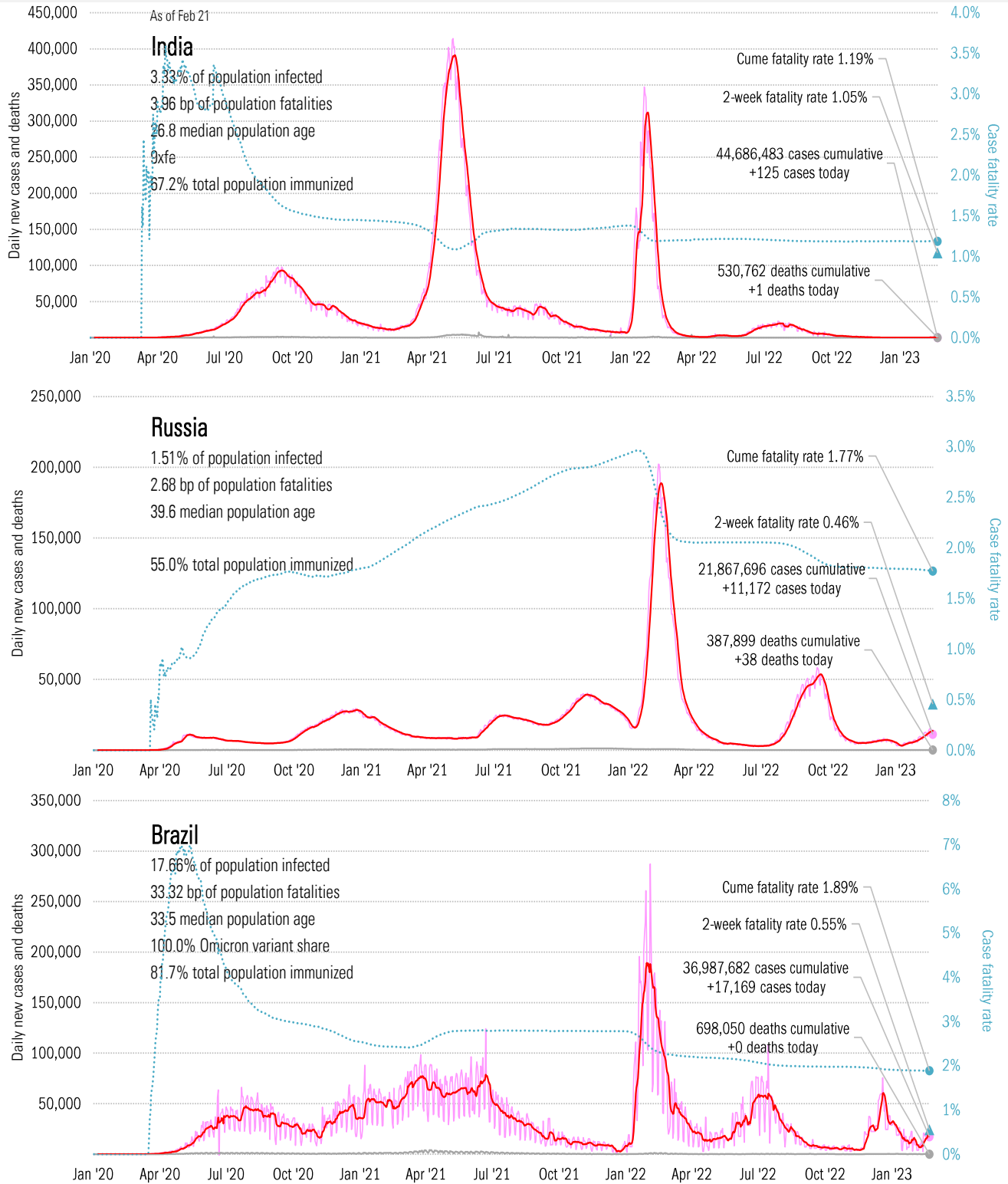
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

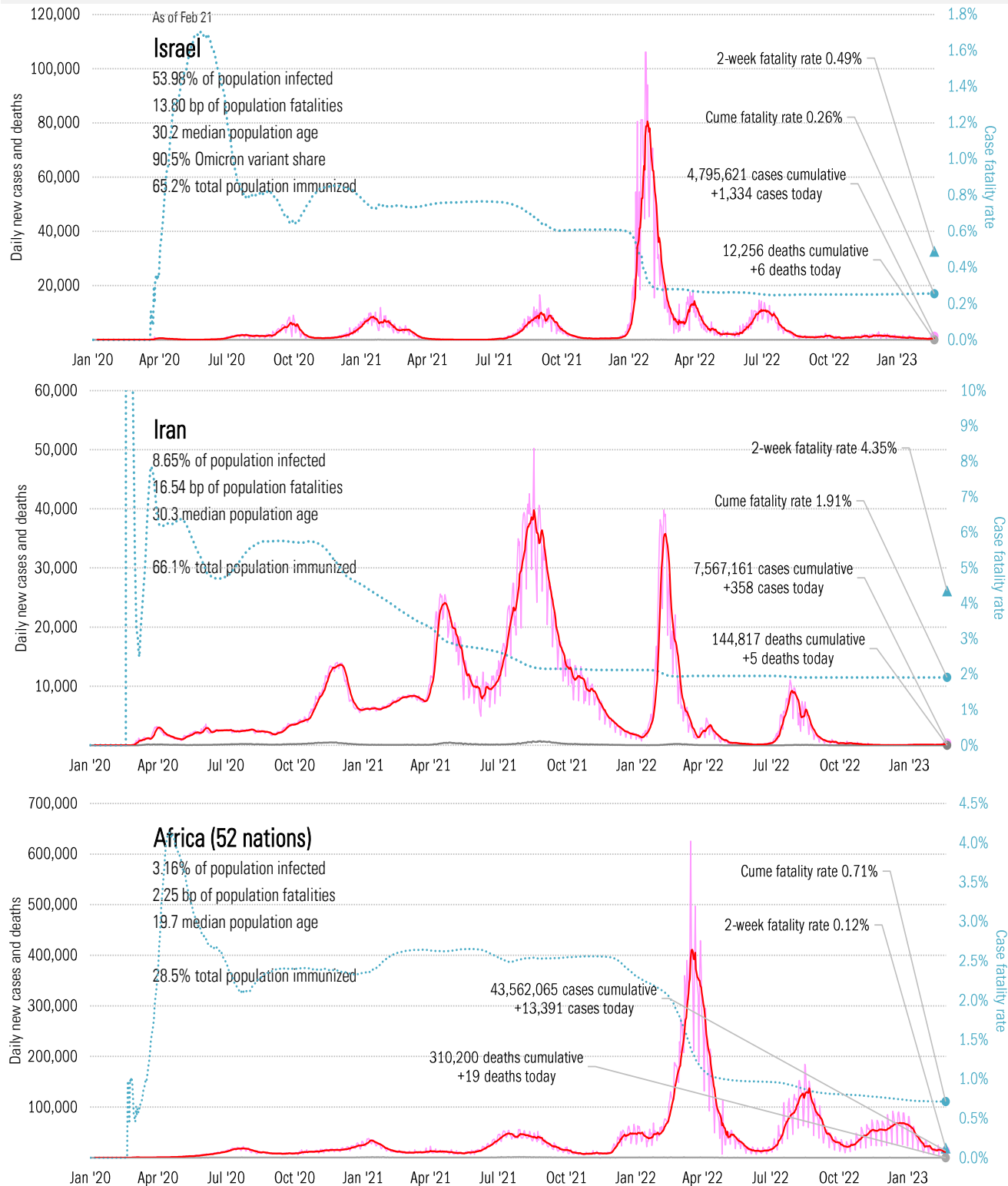
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

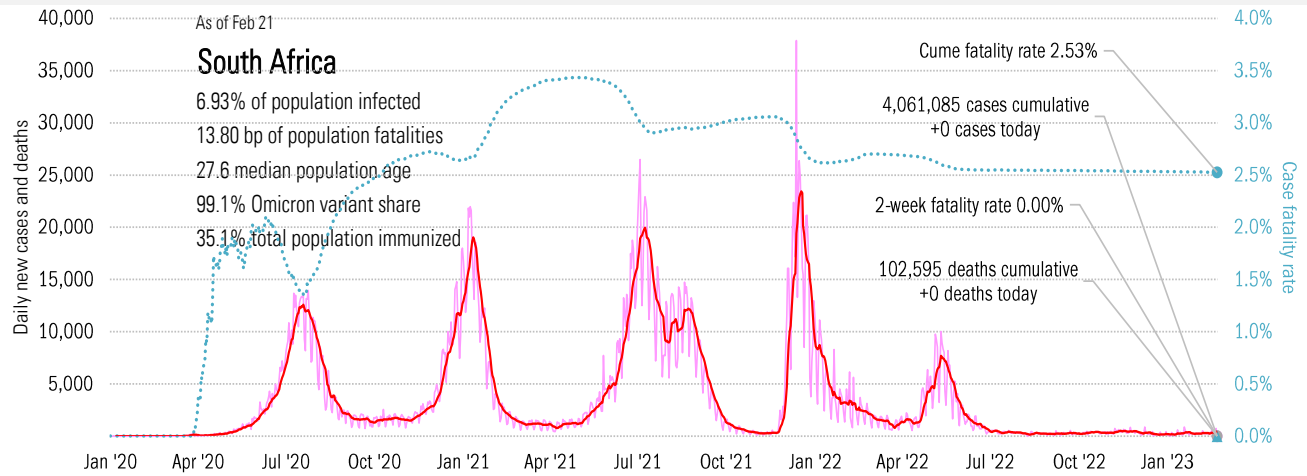
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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