

Data Insights: Covid-2019 Monitor

Monday, October 24, 2022

The global scorecard

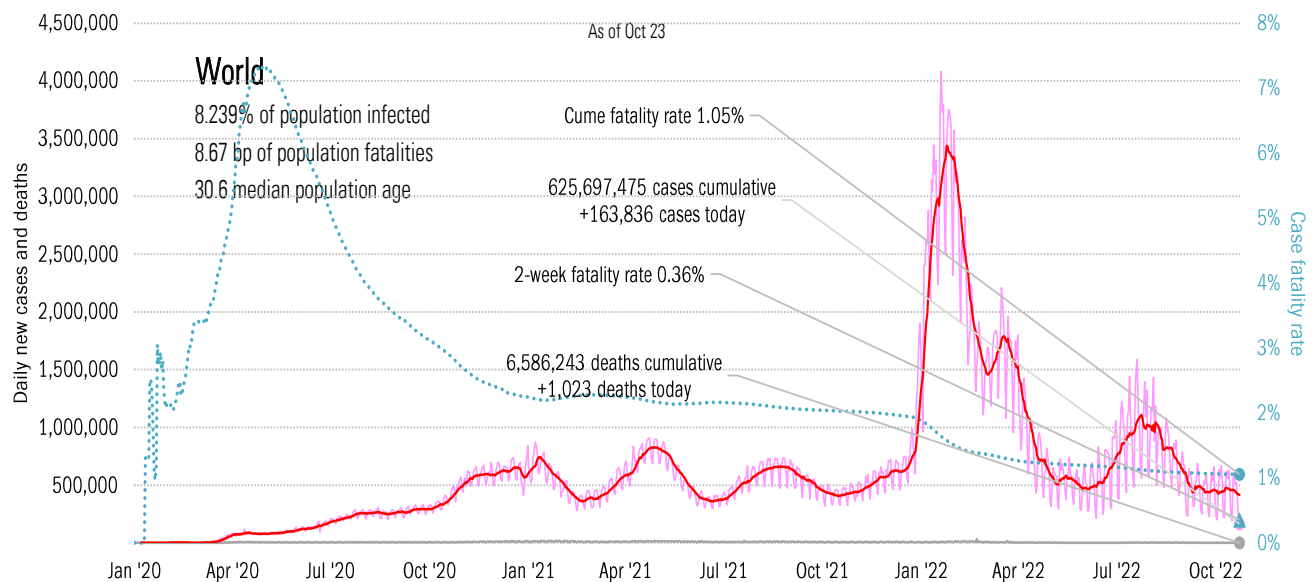
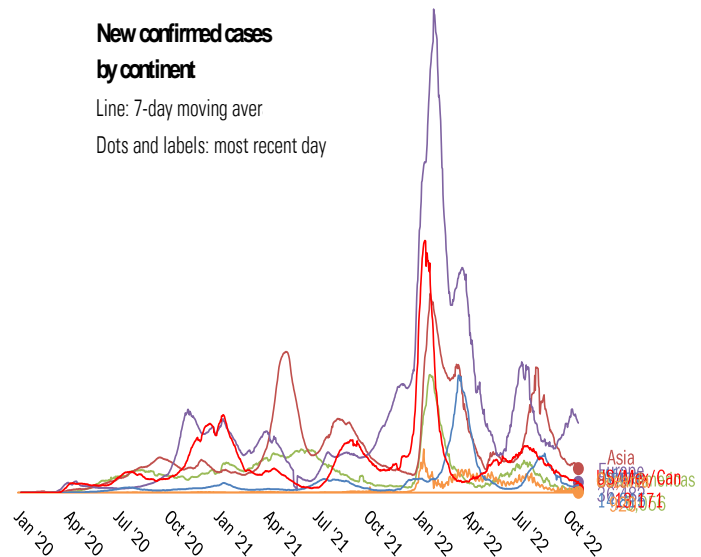
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	42,203	Russia	88
Taiwan*	35,329	Taiwan*	65
Japan	30,873	Italy	52
Italy	25,553	United States	47
Korea, South	14,302	Japan	44
Russia	8,587	Thailand	40
Chile	6,228	Philippines	37
Singapore	4,454	Honduras	30
Thailand	2,616	India	16
Argentina	2,082	Chile	14
172,227		433	

New confirmed cases by continent

Line: 7-day moving aver
 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

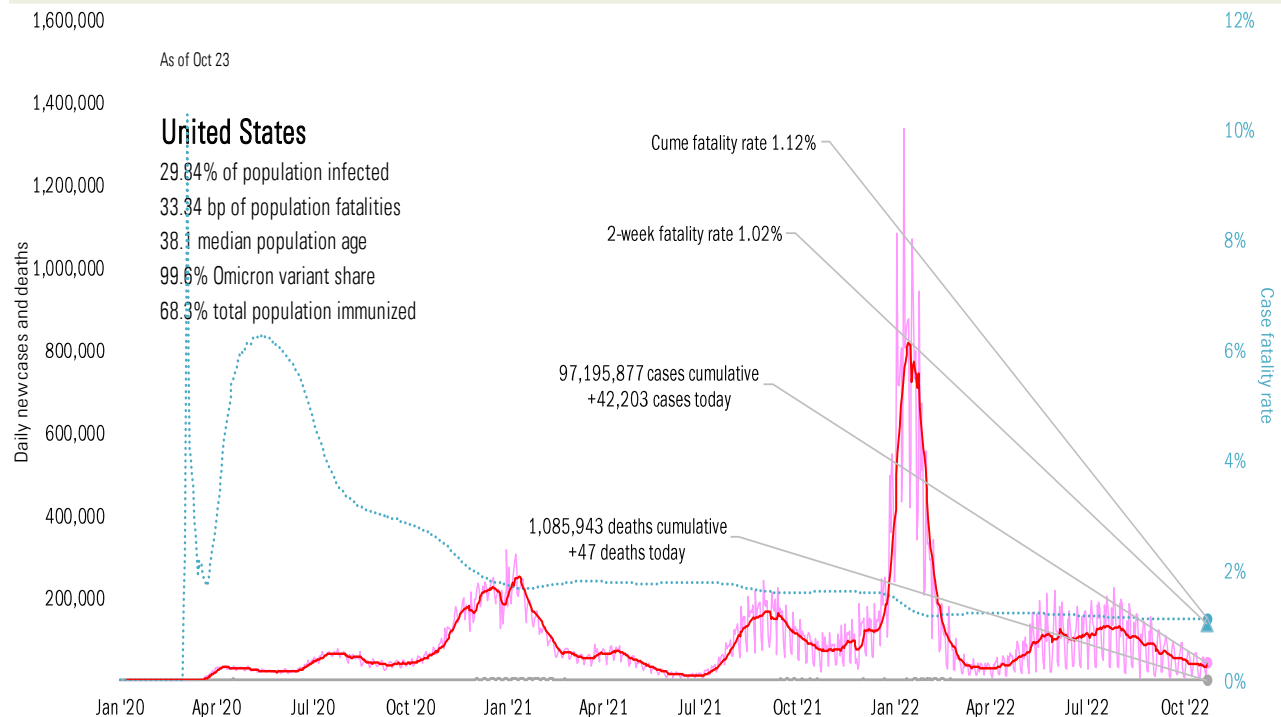
The ten worst US states

New cases	New deaths	New in hospital	Cume cases	Cume deaths	Cume in hospital	Hospital use	ICU use
MO 3,334	FL 38	NY 340	CA 11,341,915	CA 96,692	TX 549,704	RI 92%	AK 88%
TX 3,148	AZ 8	MI 172	TX 8,024,489	TX 91,081	CA 505,919	MA 88%	RI 87%
FL 2,865	AK 0	CA 278	FL 7,187,936	FL 82,278	FL 497,597	MN 85%	MA 85%
CA 1,989	AL 0	TX 183	NY 6,214,674	NY 72,585	NY 307,668	MO 84%	TX 84%
IL 1,975	AR 0	PA 210	IL 3,796,038	PA 47,582	GA 227,365	DE 84%	NC 83%
NY 1,972	CA 0	CH 161	PA 3,291,589	GA 40,552	CH 221,601	WA 83%	NH 82%
WA 1,949	CO 0	CO 47	NC 3,220,858	CH 40,111	PA 207,848	KY 83%	WA 82%
MI 1,773	CT 0	IN 74	CH 3,173,375	IL 39,899	IL 189,825	MD 83%	AL 82%
CH 1,585	DC 0	GA 95	GA 2,917,301	MI 39,092	MI 165,710	WV 83%	NM 80%
PA 1,549	DE 0	WI 79	MI 2,874,009	NJ 34,860	KY 146,134	GA 82%	VT 80%
22,140	46	1,639	52,042,184	584,732	3,019,371		
All states 42,203	47	3,393	All states 97,195,877	1,085,943	5,480,497	All states 70%	67%
Top ten 52%	98%	48%	Top ten 54%	55%	55%	Median 76%	75%

Some states not reporting

Five most improved US states

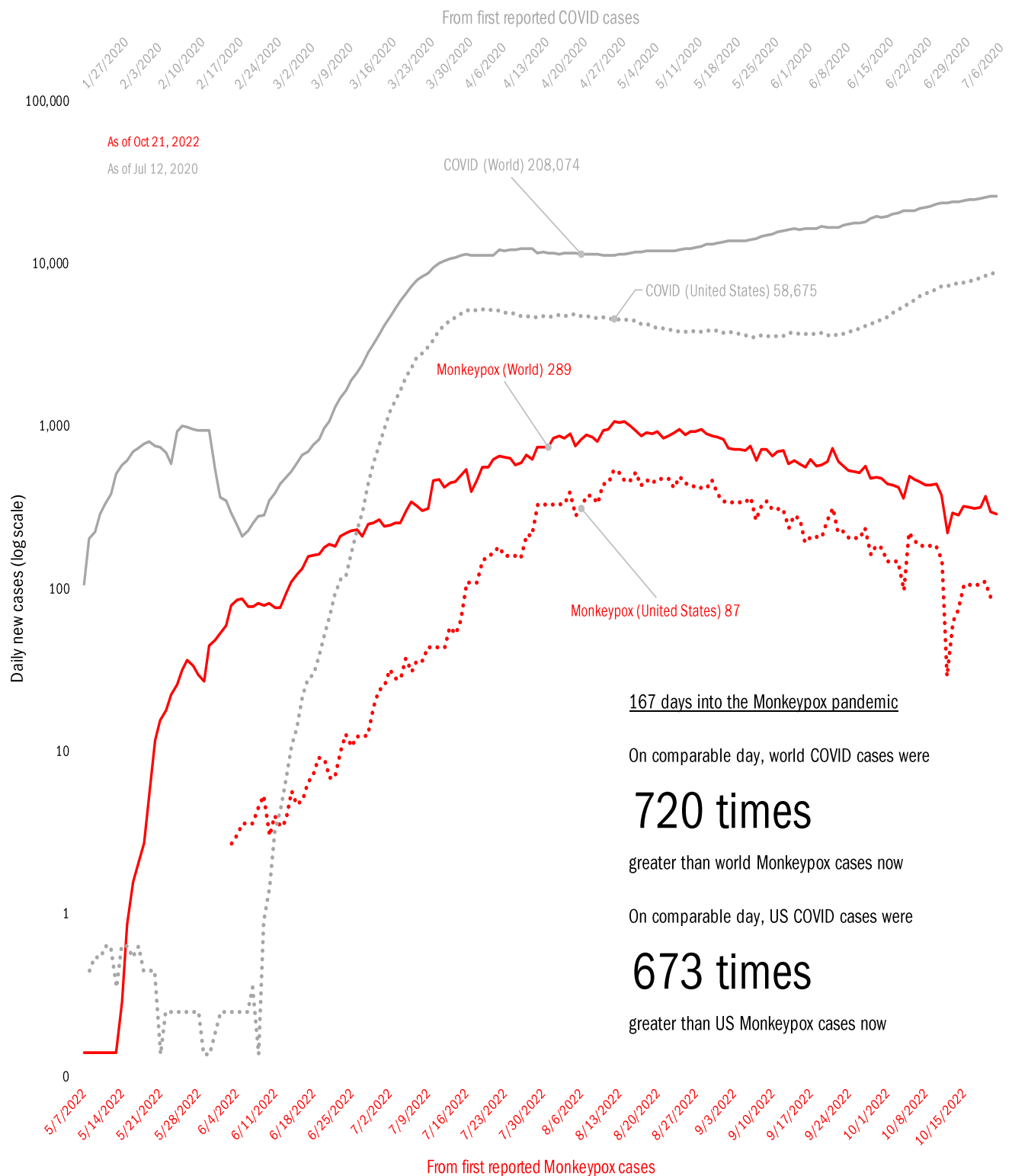
Fewer daily cases	Fewer new deaths	Fewer new hospitalizations
NJ -518	NY -218	IL -32
NY -396	IN -47	NJ -24
CT -231	TX -46	OR -19
AR -181	MI -25	RI -17
AK 0	WA -23	DE -13



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

The Monkeypox contextualizer

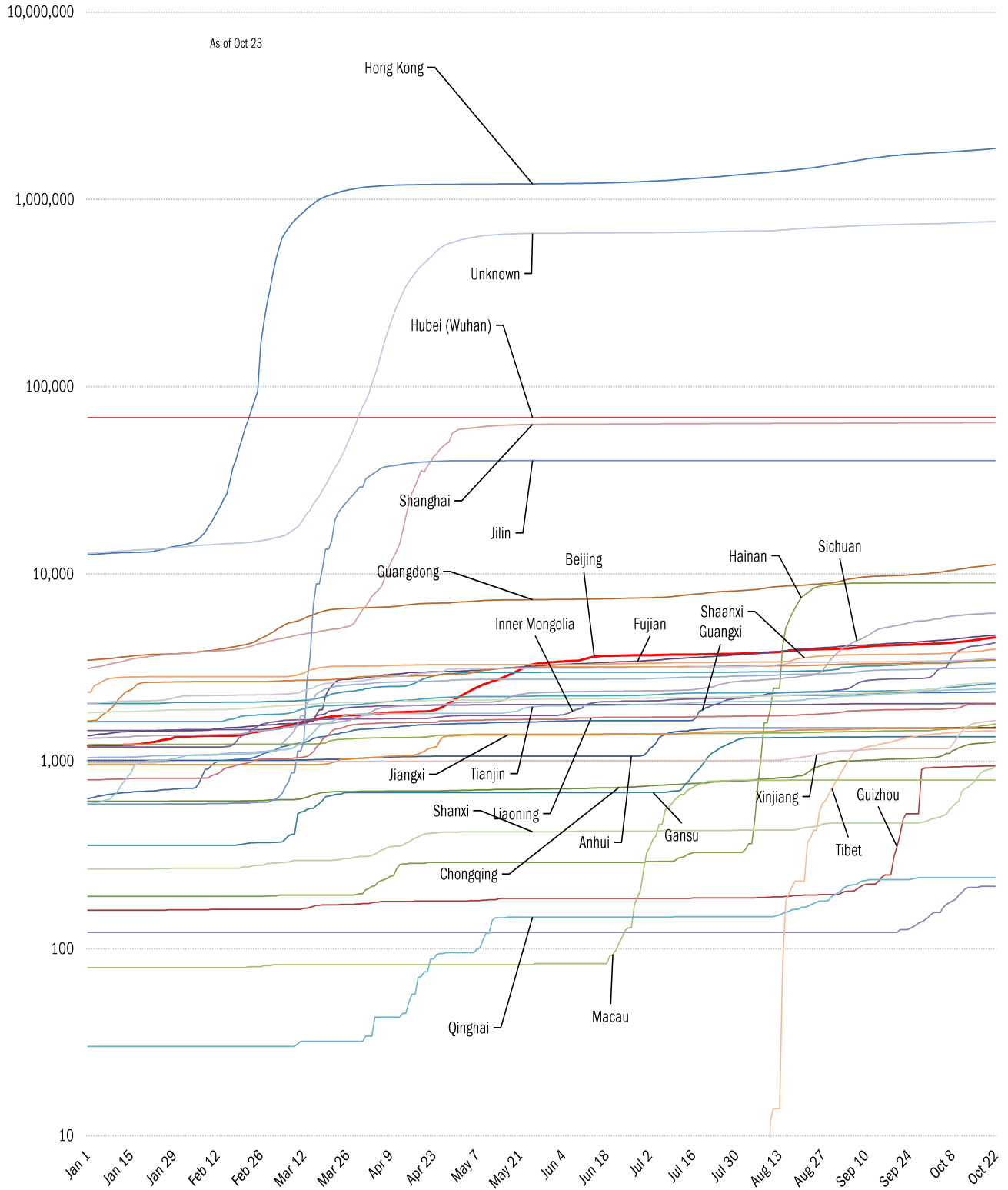
The course of case growth versus COVID



Source: [Our World In Data](#), TrendMacro calculations

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

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

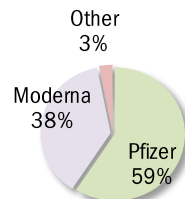


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	648,750,535	+0.738 million	US	68.3%	80.0%
of which boosters	113,645,892	+0.078 million	UK	75.5%	80.0%
	One dose	% Pop	Immune	% pop	New immune today
Total population	273,846,111	82%	233,314,181	70%	+0.058 million
Age 12 to 17	18,280,111	72%	15,624,127	62%	+0.002 million
Age 18 to 64	182,419,383	90%	155,060,039	76%	+0.029 million
Age 65 and over	60,341,000	100%	52,811,521	96%	+0.016 million



AK
72.0%
64.4%

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

"Immunity" = two doses

Best
Middle
Worst

WI
73.9%
67.3%

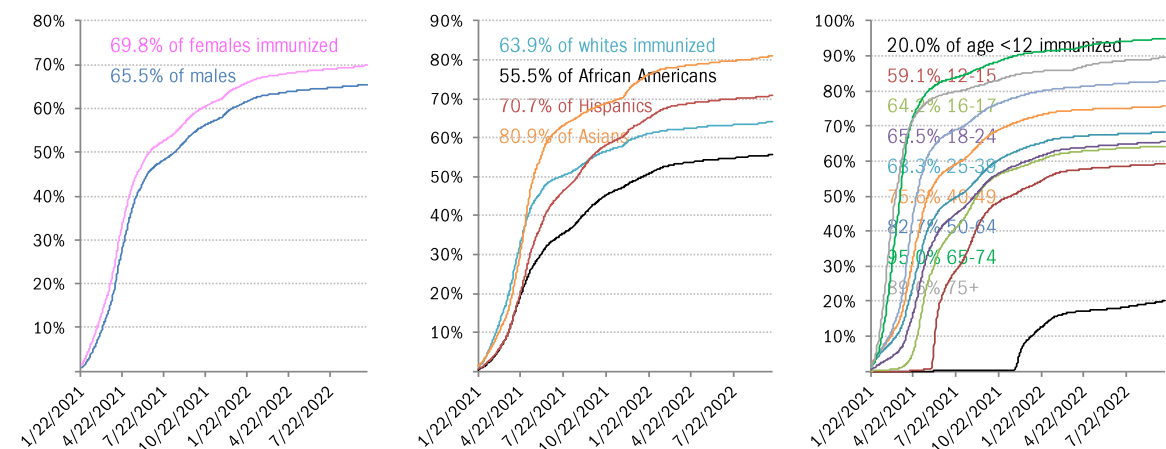
As of Oct 21

ME
94.6%
82.1%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH
83.7%	63.0%	67.2%	68.0%	77.5%	78.1%	68.6%	92.9%	95.0%	84.8%
74.8%	55.7%	58.4%	57.4%	71.0%	70.3%	61.6%	79.4%	83.9%	69.7%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA
80.2%	77.6%	59.8%	81.0%	69.7%	63.6%	64.9%	88.5%	93.2%	95.0%
71.3%	62.6%	52.3%	64.6%	63.5%	57.2%	59.7%	71.5%	77.9%	82.2%
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT
85.2%	74.3%	82.2%	72.3%	68.2%	67.9%	66.7%	88.9%	90.0%	95.0%
74.2%	65.9%	72.4%	65.3%	58.0%	58.9%	59.1%	75.4%	78.3%	81.8%
AZ	NM	KS	AR	TN	NC	SC	DC	DE	
76.4%	91.7%	74.9%	68.8%	63.8%	89.2%	69.9%	95.0%	86.3%	
63.8%	73.7%	64.1%	56.1%	55.8%	65.0%	59.0%	82.1%	71.8%	
OK	LA	MS	AL	GA					
73.4%	62.3%	61.1%	64.3%	67.3%					
59.4%	54.6%	53.3%	52.5%	56.4%					
TX									
75.0%									
62.4%									
HI									
90.2%									
80.5%									
FL									
81.4%									
68.6%									
PR									
95.0%									
85.9%									

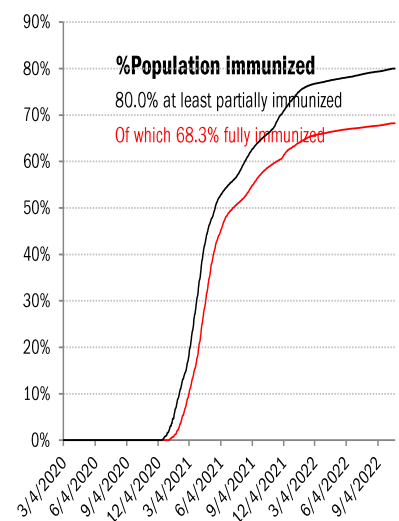
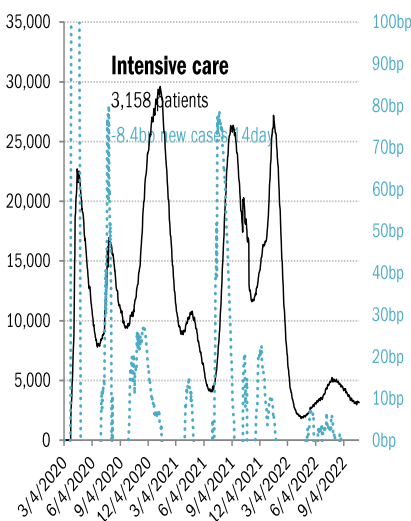
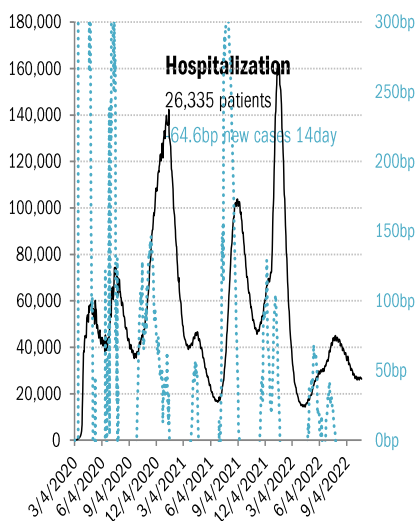
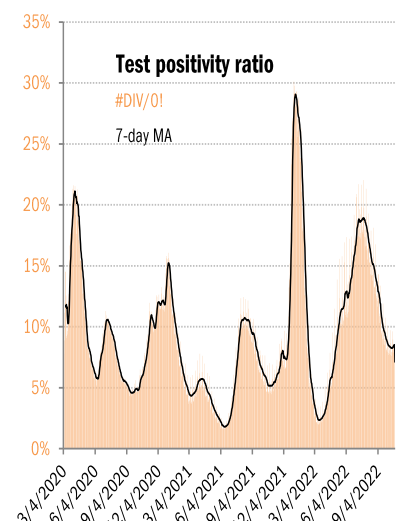
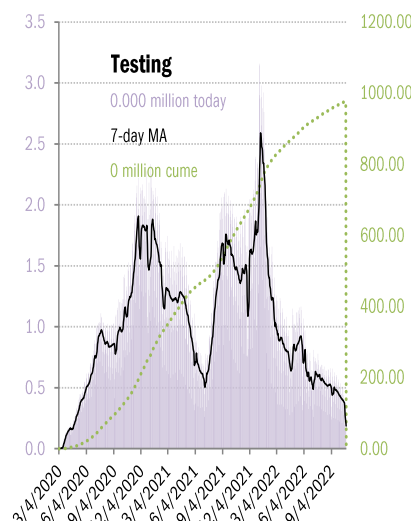
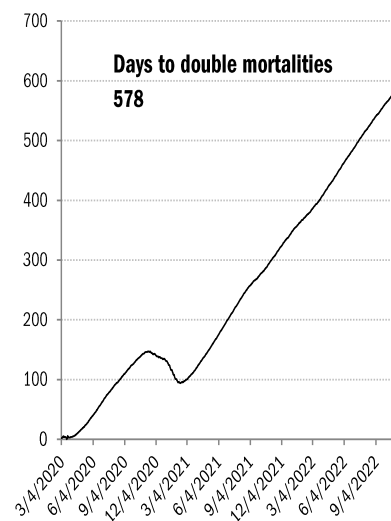
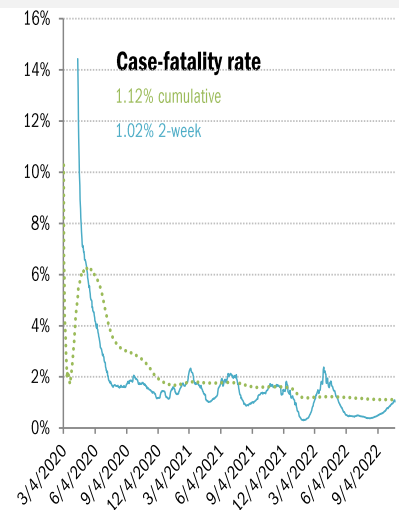
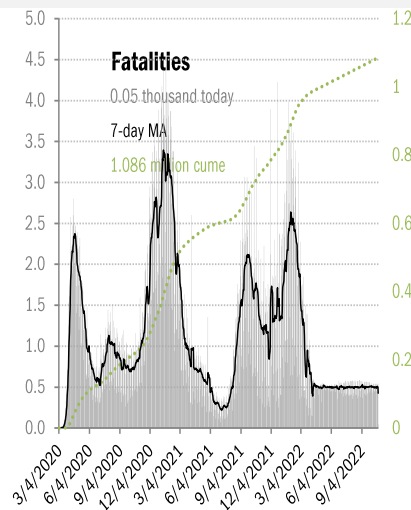
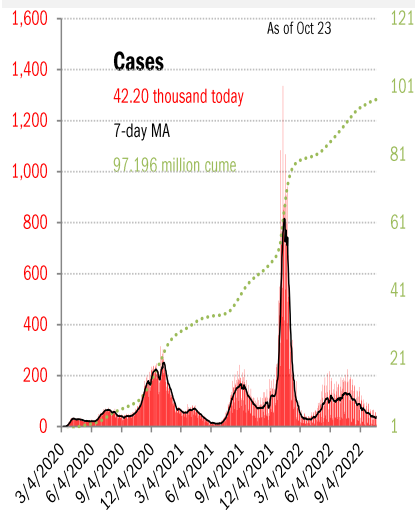
Global data differs due to sources, timing

The demographics of US vaccination

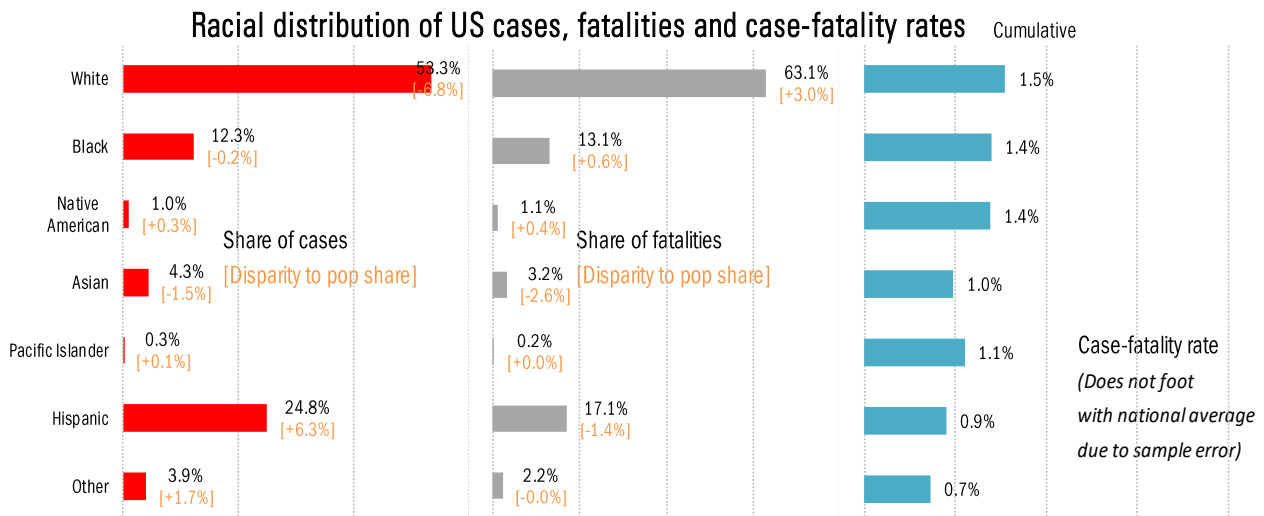
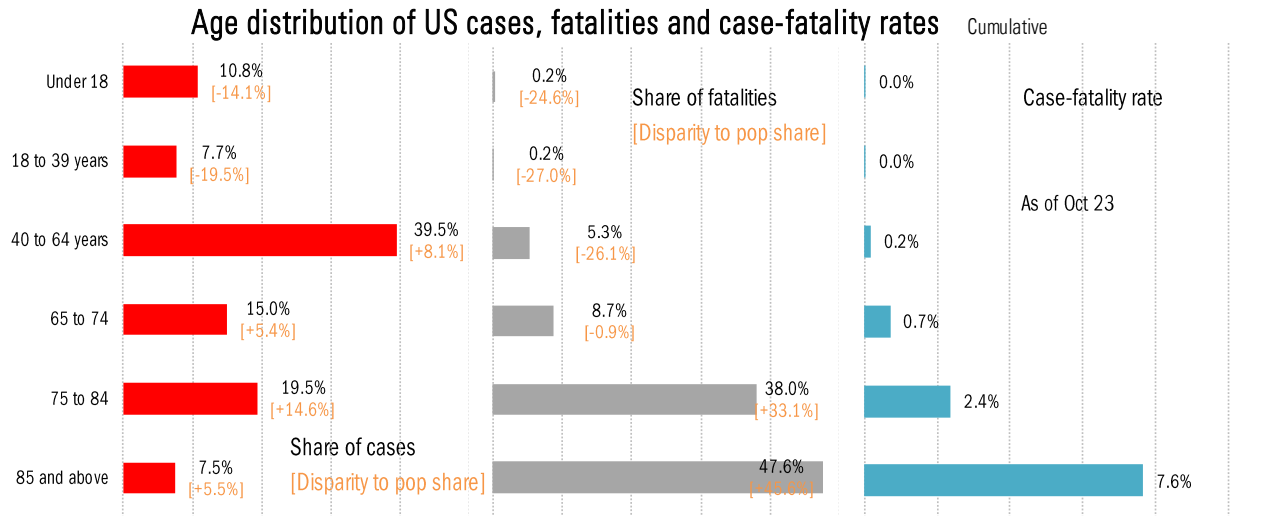


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

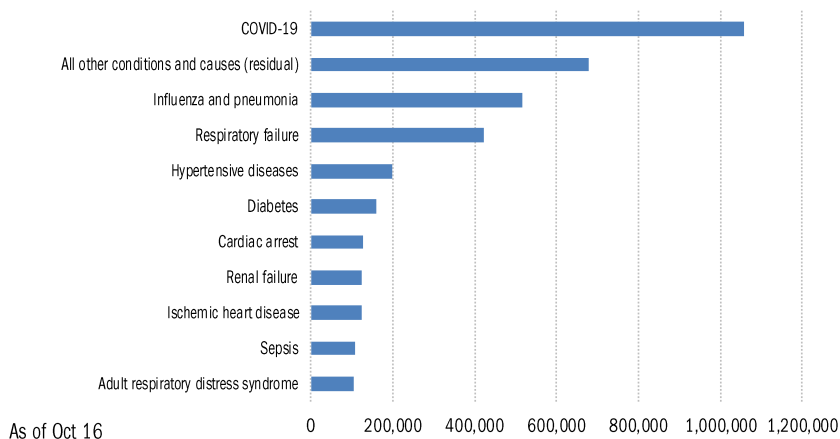


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



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

[CDC director tests positive for Covid-19](#)

Krista Mahr
Politico
October 22, 2022

[Endonuclease fingerprint indicates a synthetic origin of SARS-CoV-2](#)

Valentin Bruttel
medRxiv
October 20, 2022

[Nation's report card: Massive drop in math scores, slide in reading linked to COVID disruption](#)

Matt Barnum
Chalkbeat
October 23, 2022

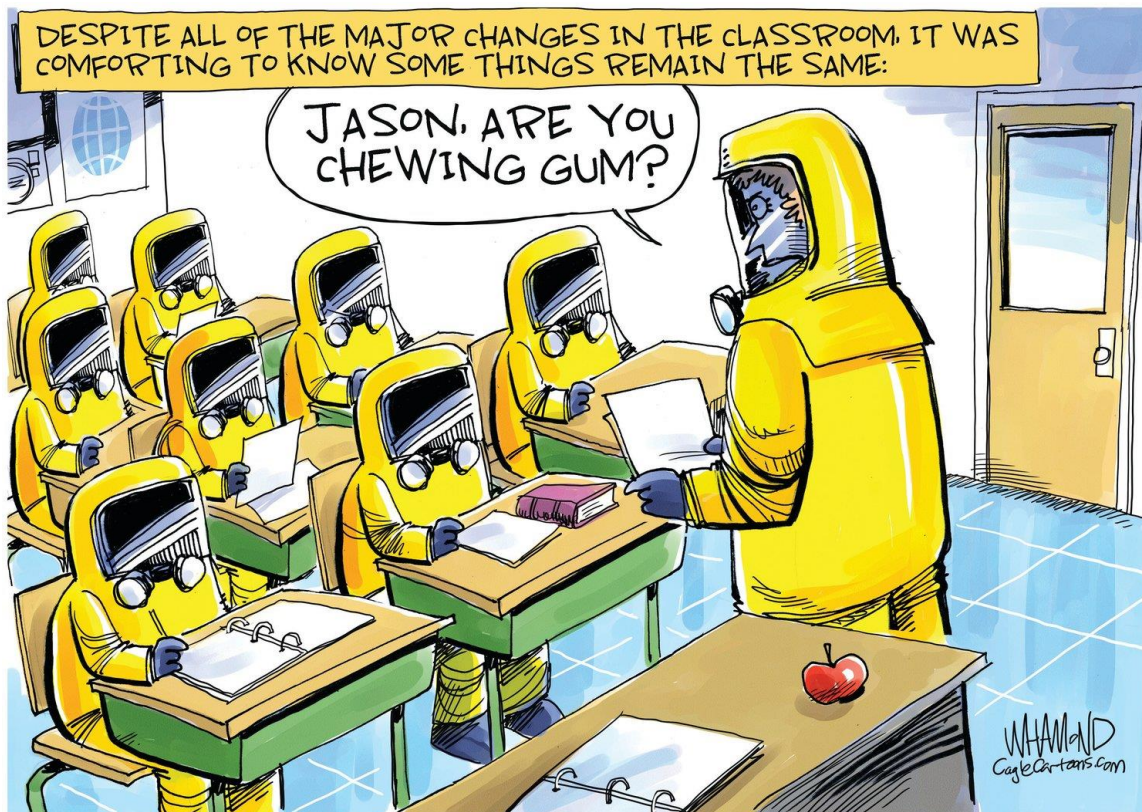
[More evidence for the lab leak theory](#)

Alex Berenson
Unreported Truths
October 23, 2022

[How to End the Epidemic of Failure in America's Schools](#)

Jeb Bush
Wall Street Journal
October 23, 2022

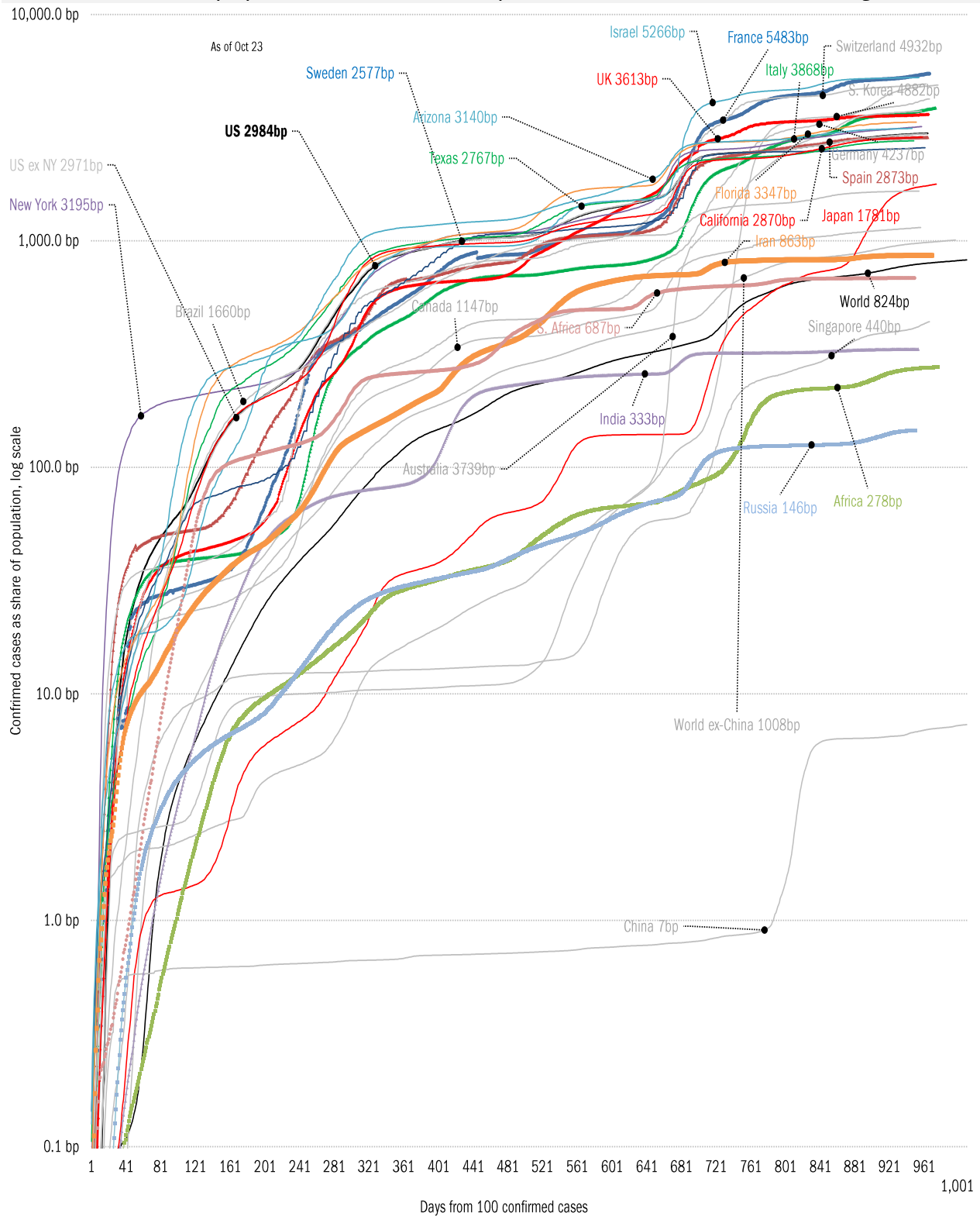
Meme of the day



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

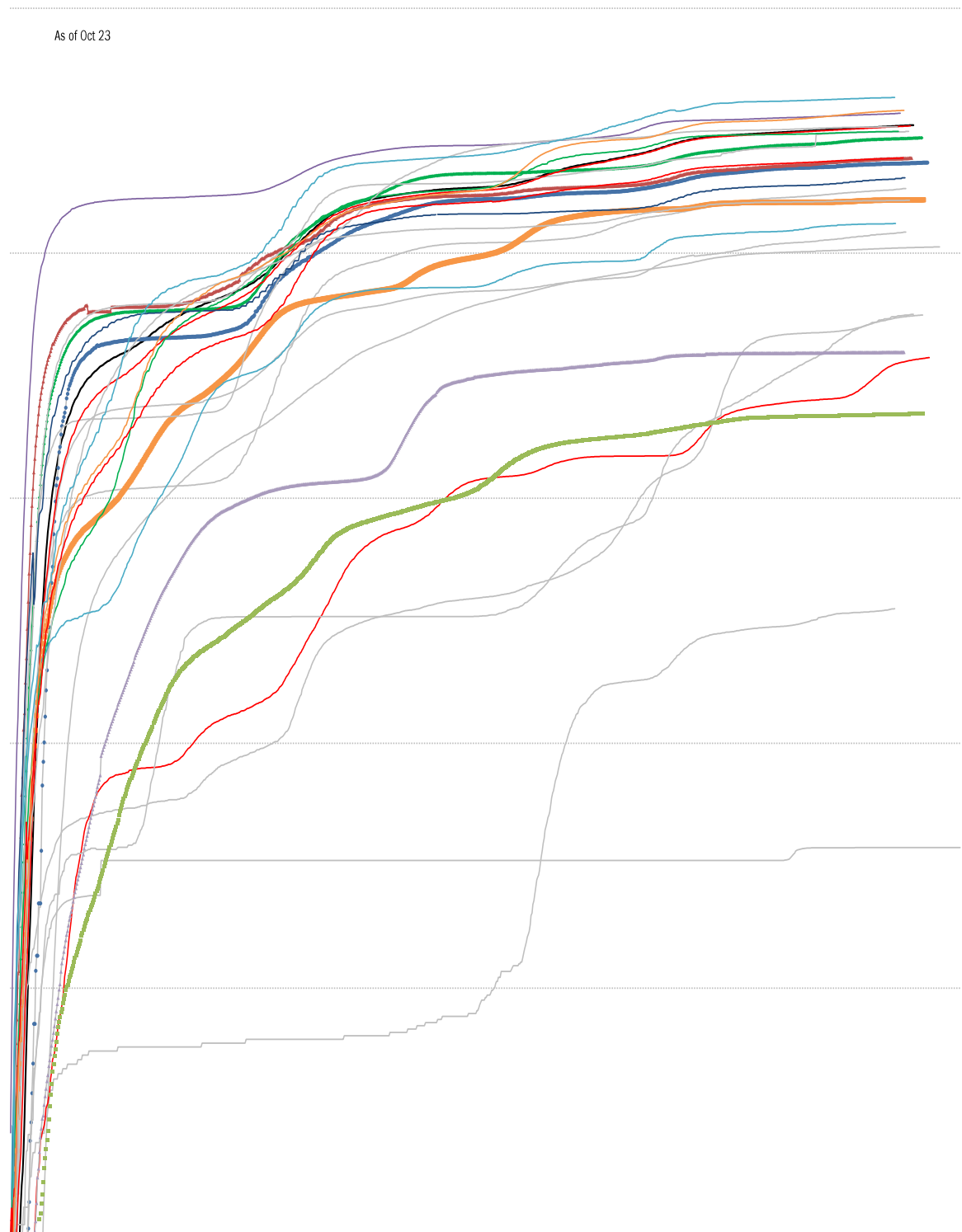
The global coronavirus case accelerometer... tracking the world's infection curves

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 deceased population from day of first fatality, log scale

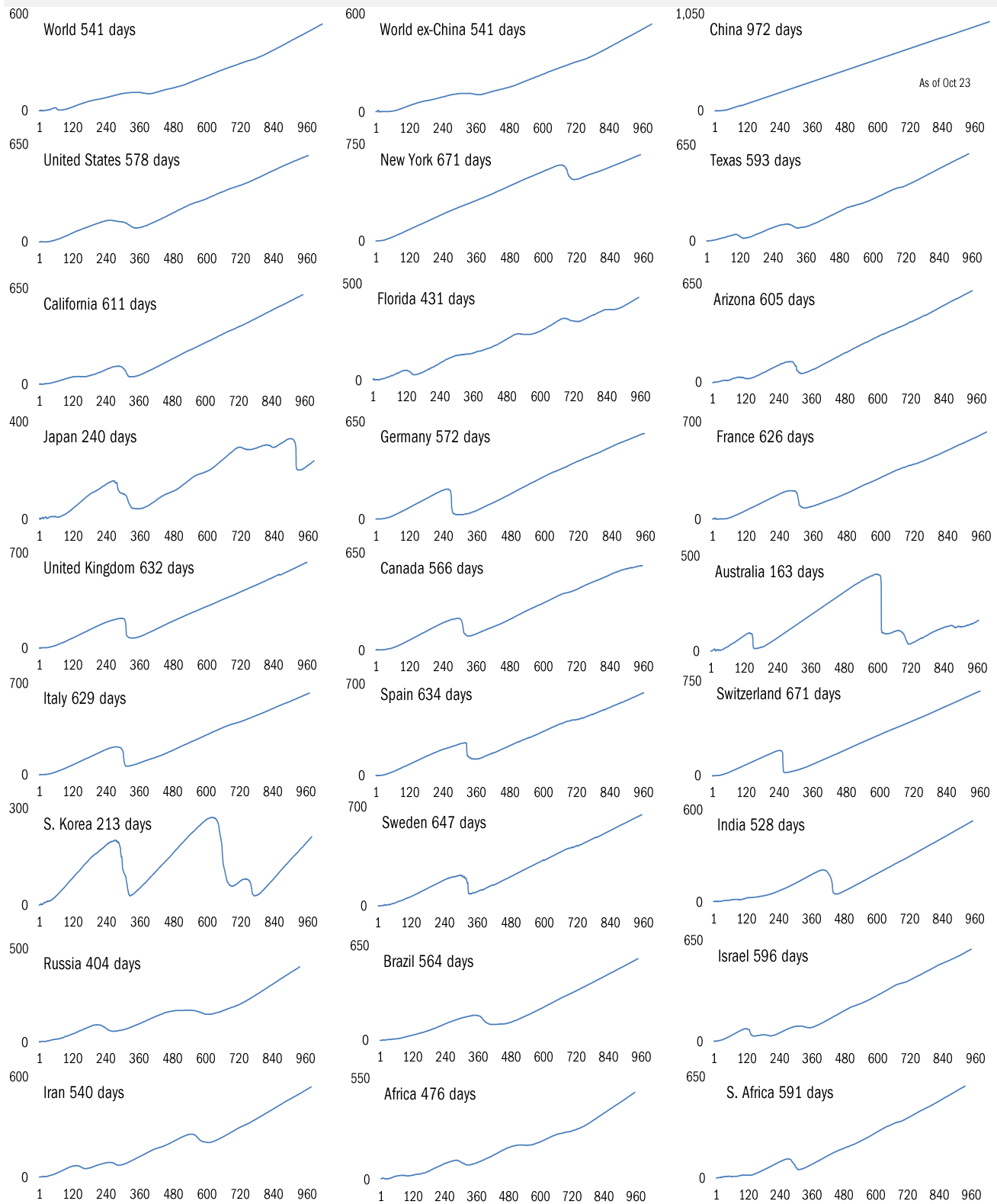


Source: [Johns Hopkins](#), TrendMacro calculations

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

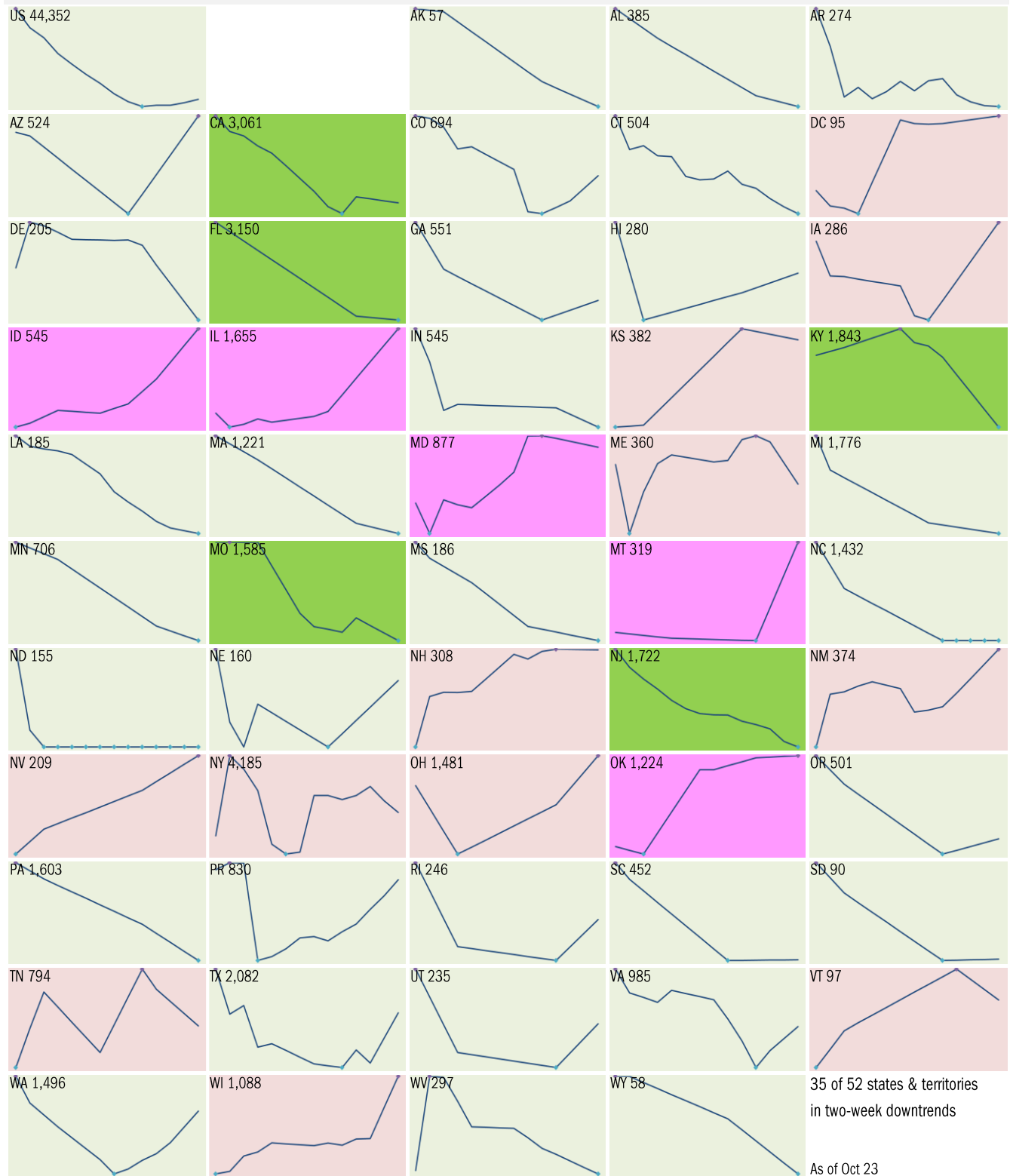


Source: [Johns Hopkins](#), TrendMacro calculations

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

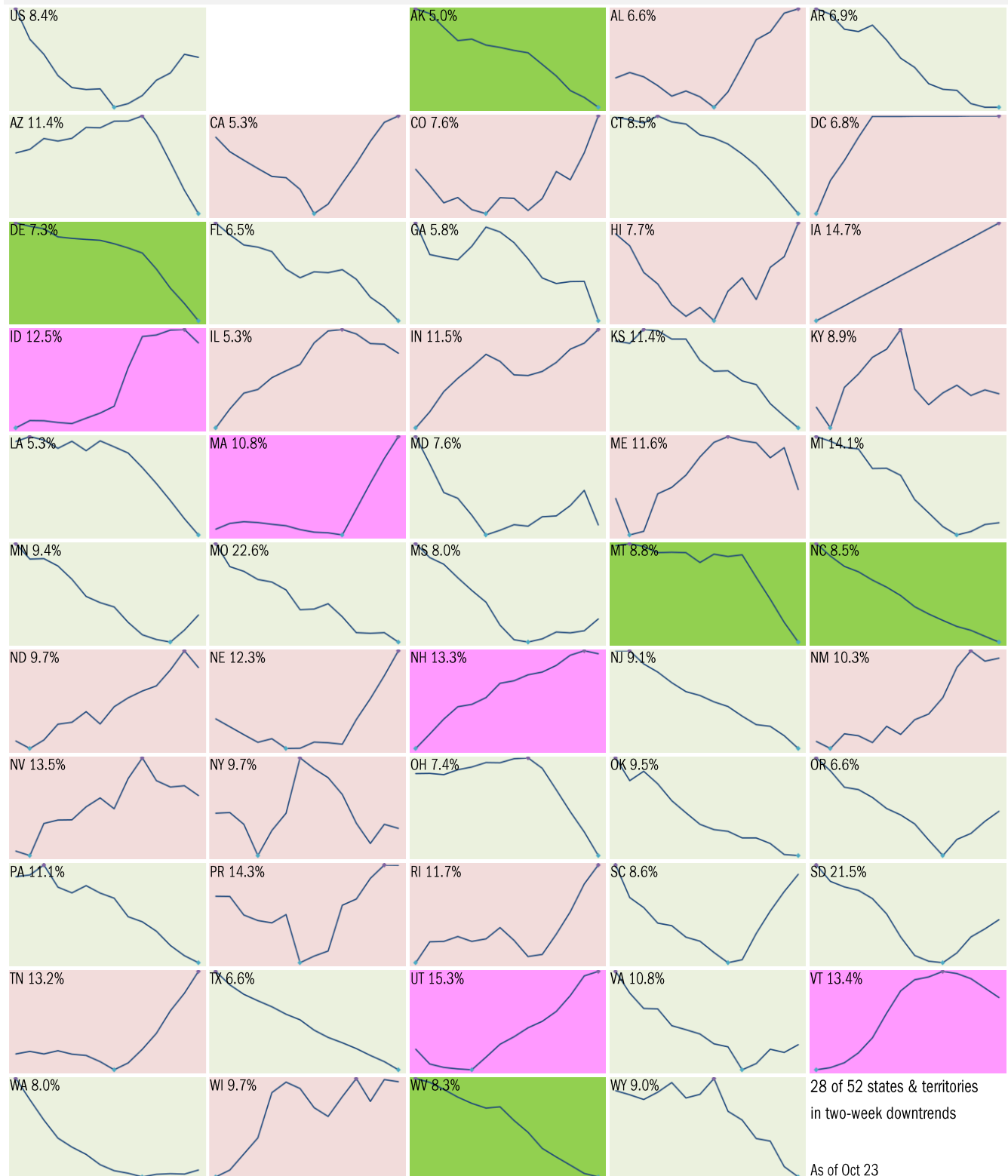


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

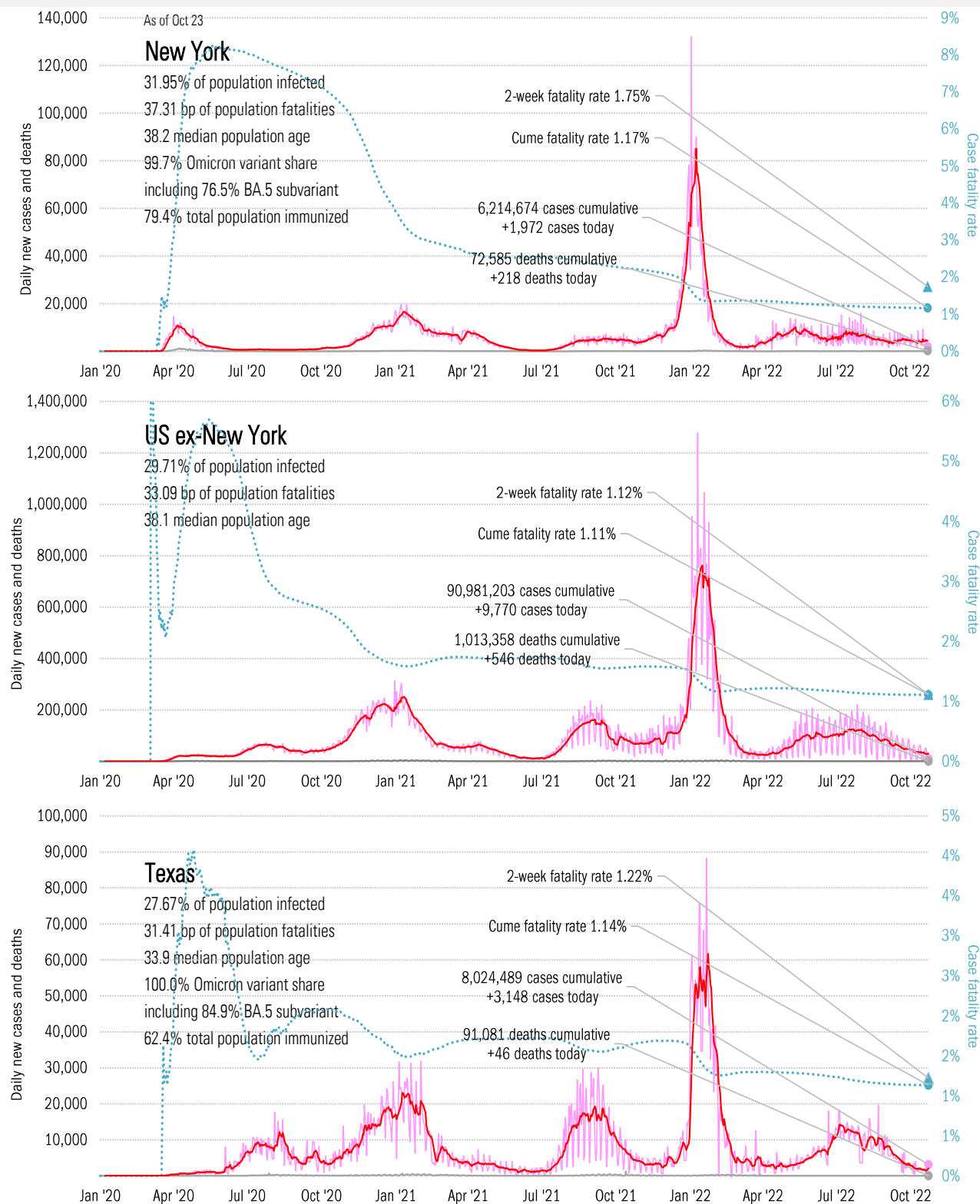
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

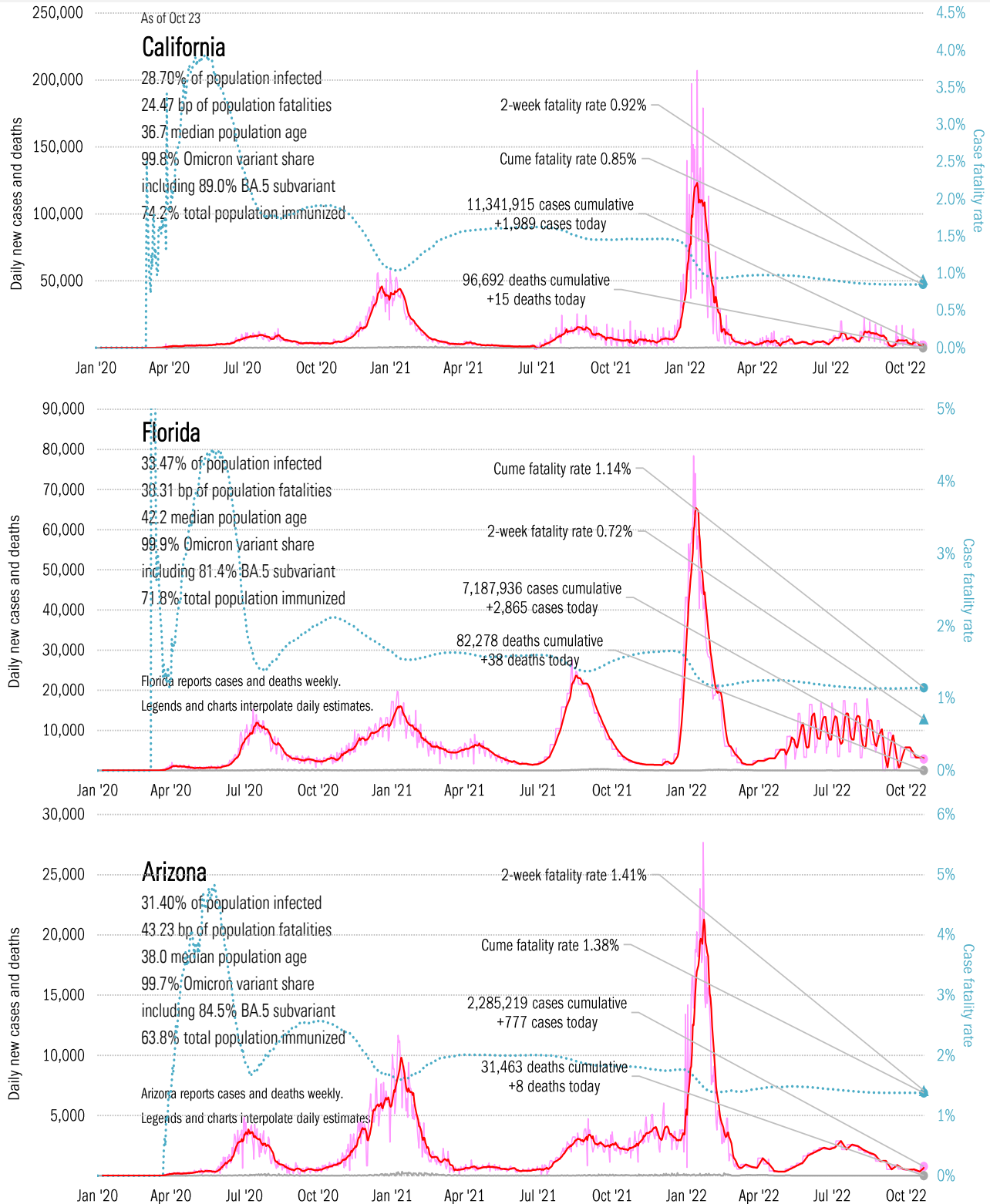
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

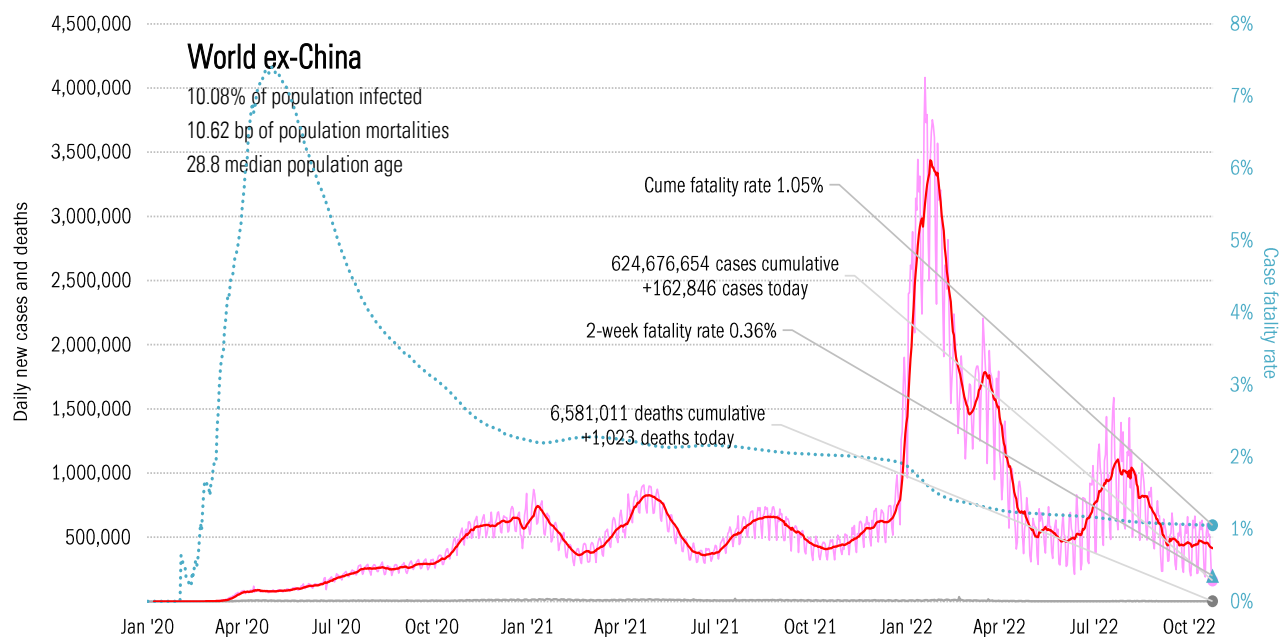
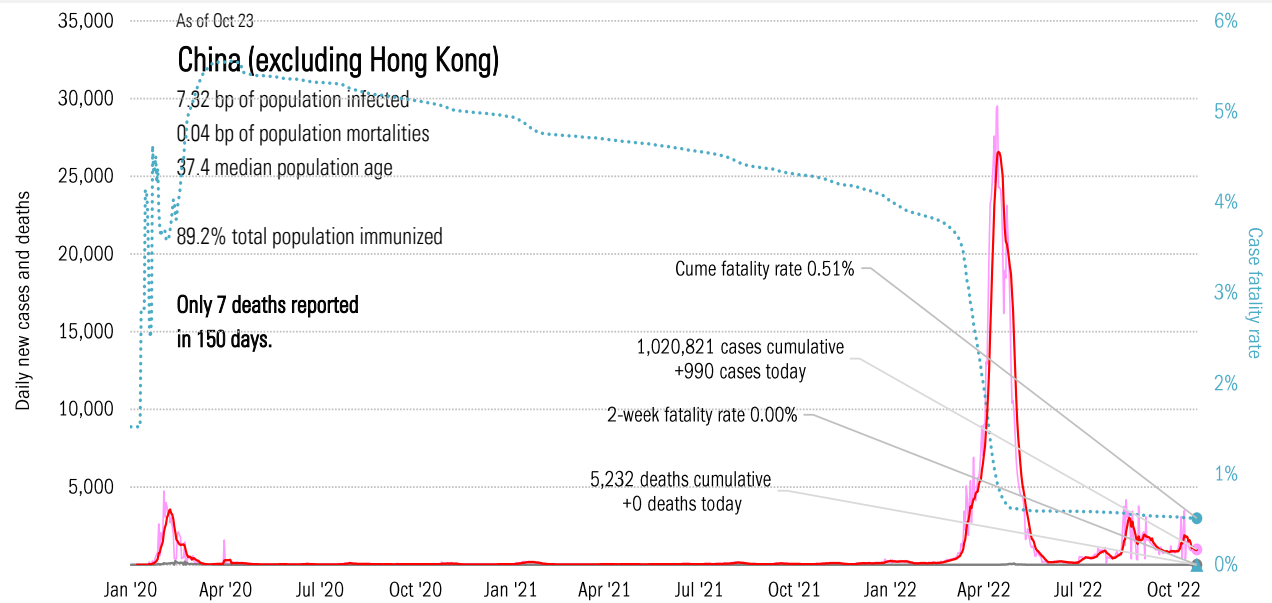
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

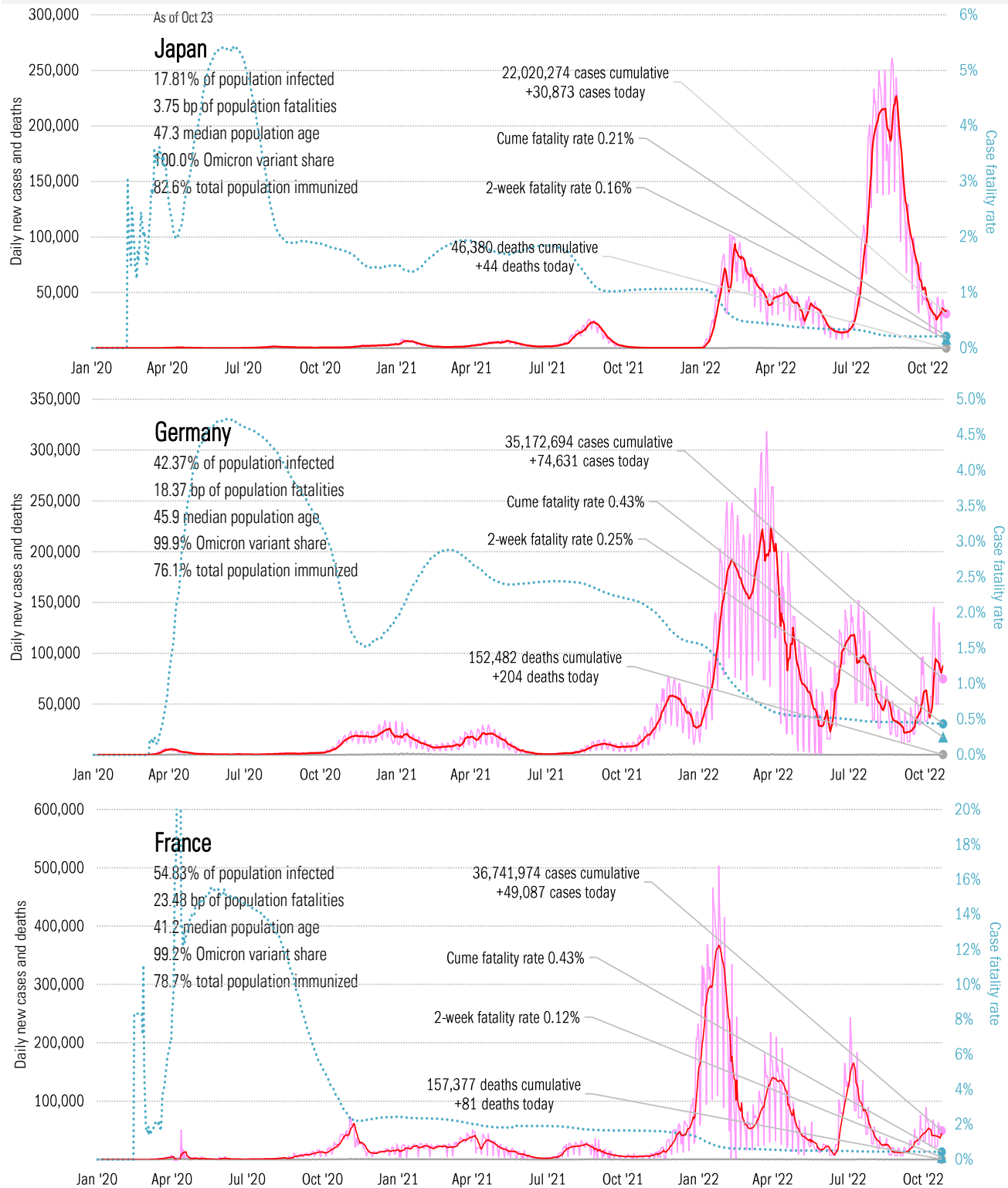
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

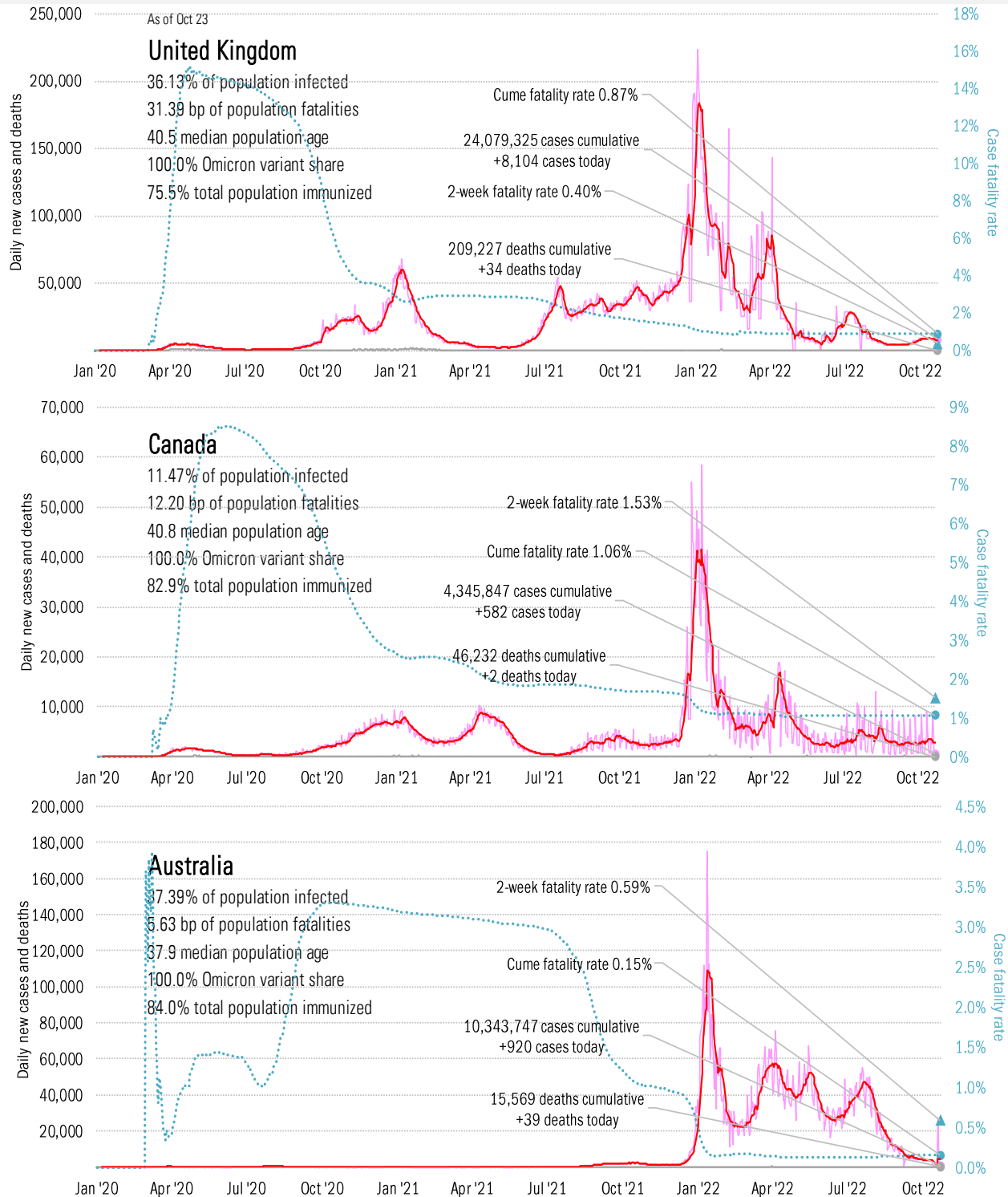
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

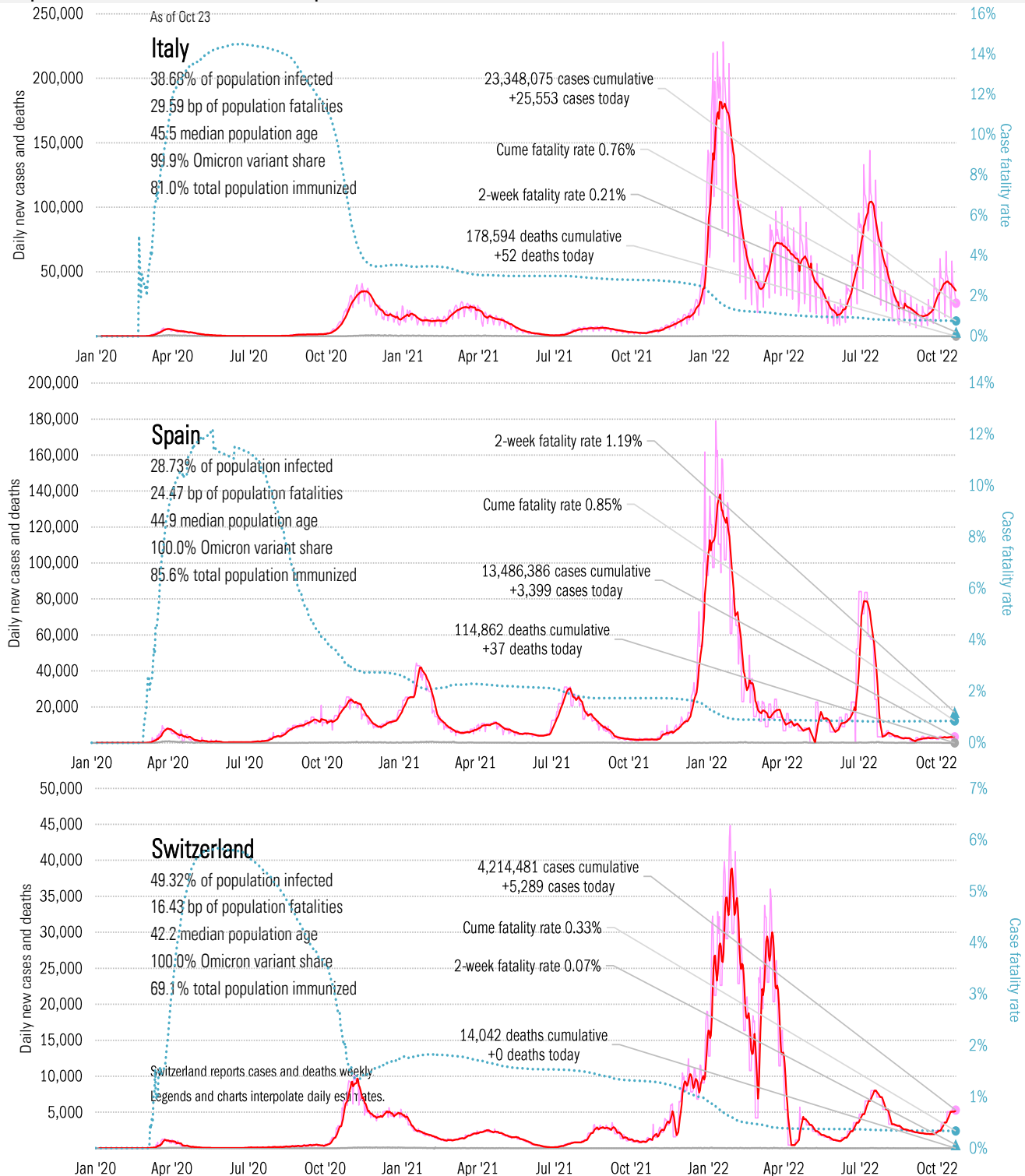
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

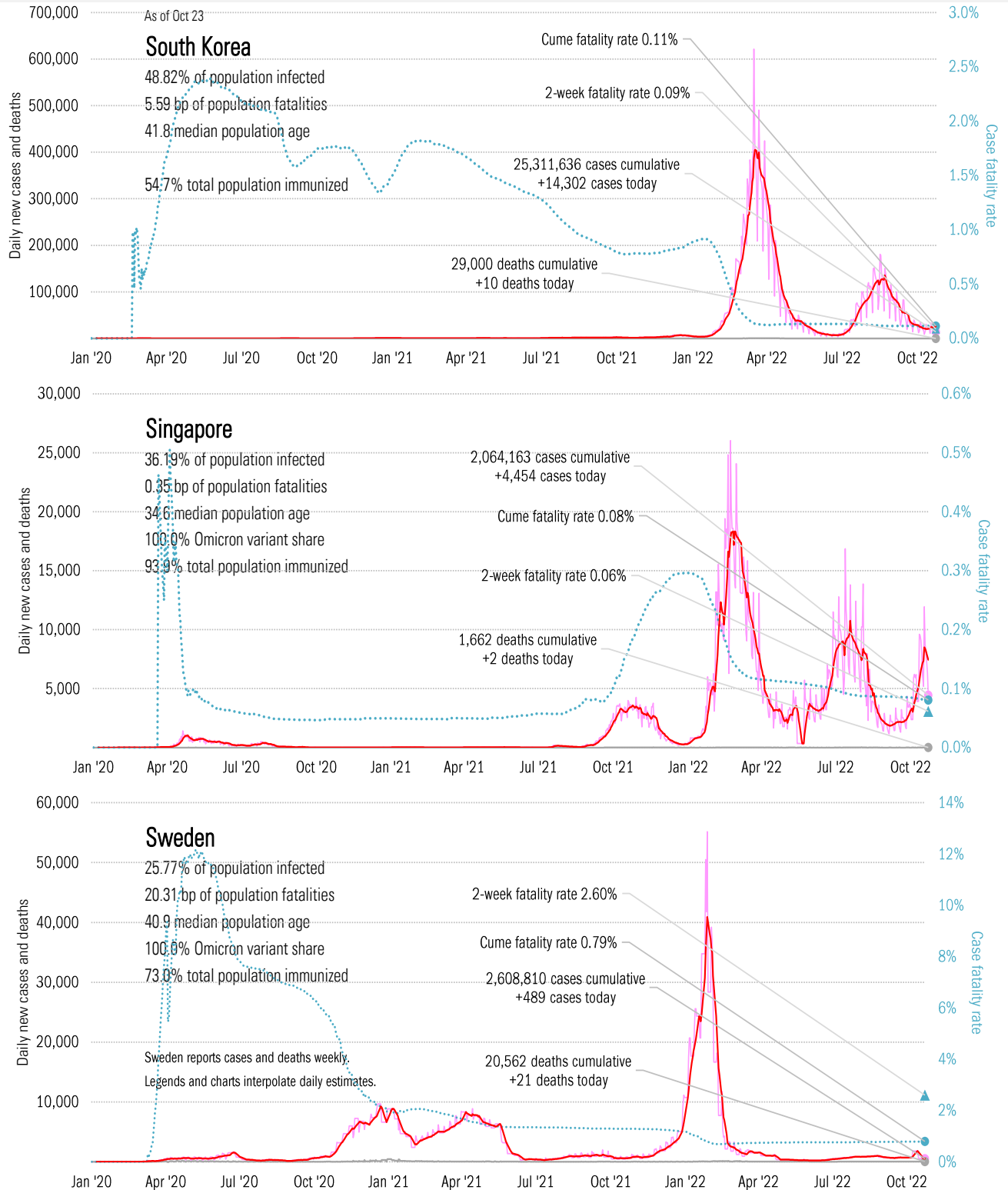
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

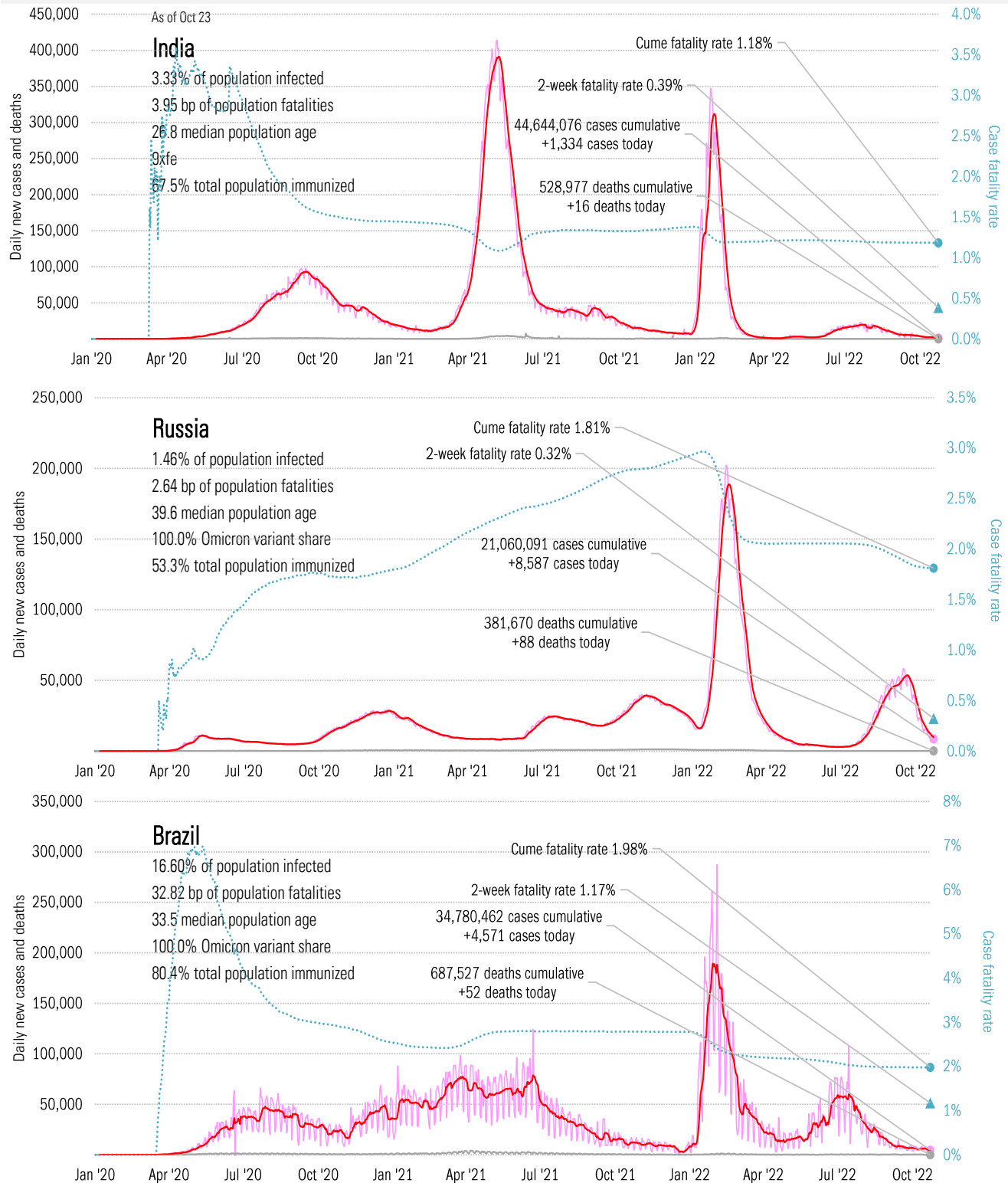
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

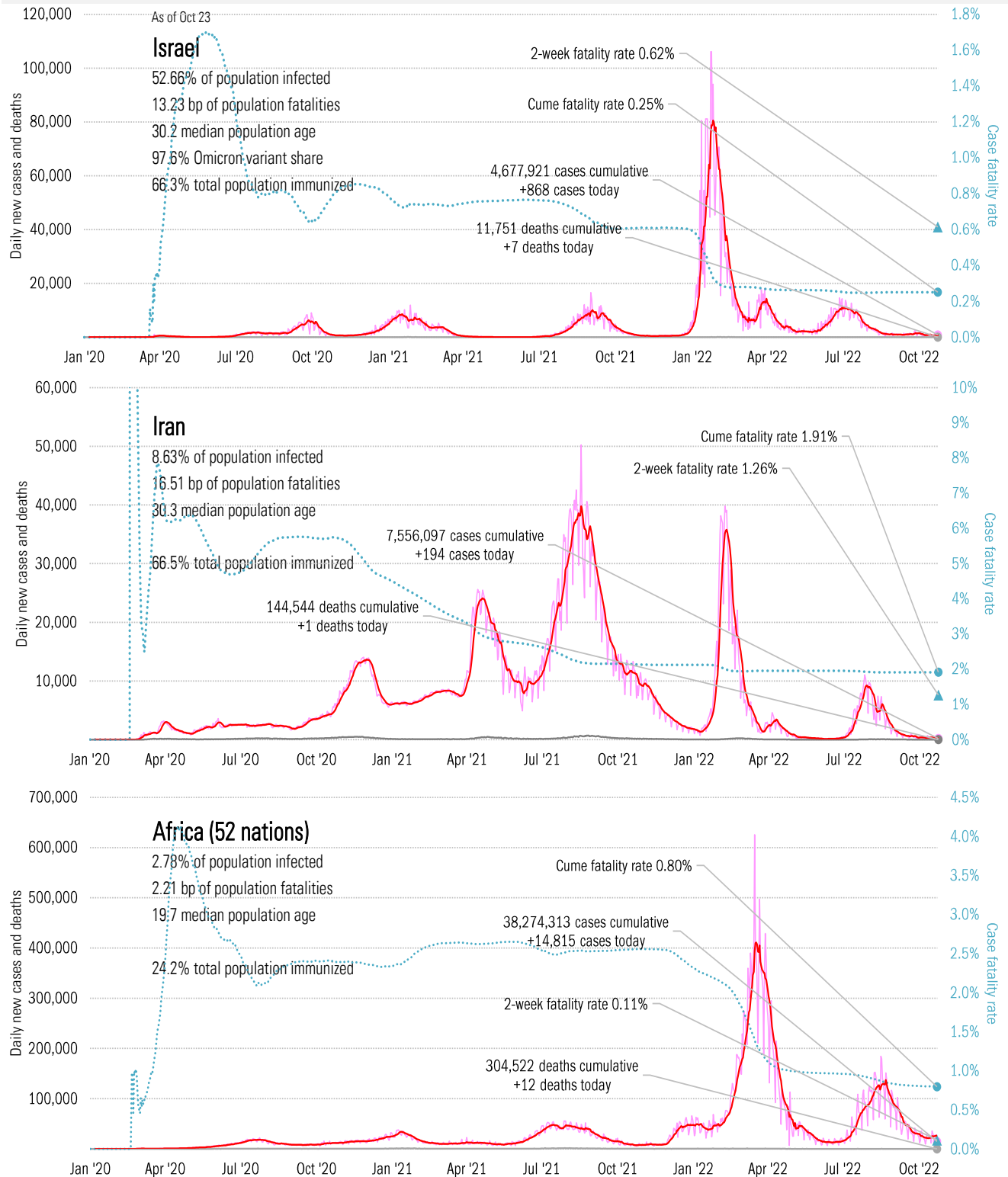
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

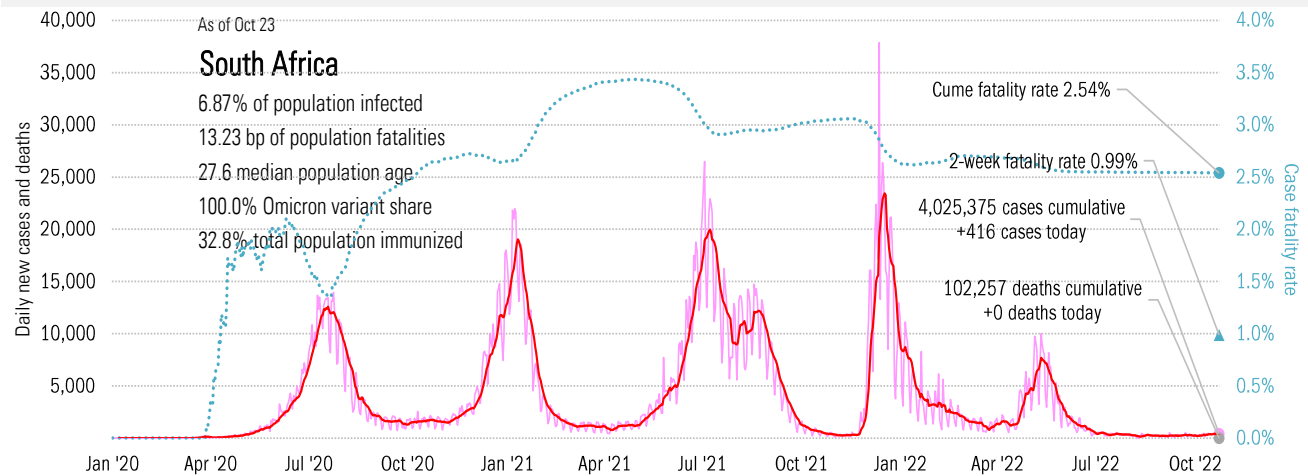
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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