

Data Insights: Covid-2019 Monitor

Sunday, October 9, 2022

The global scorecard

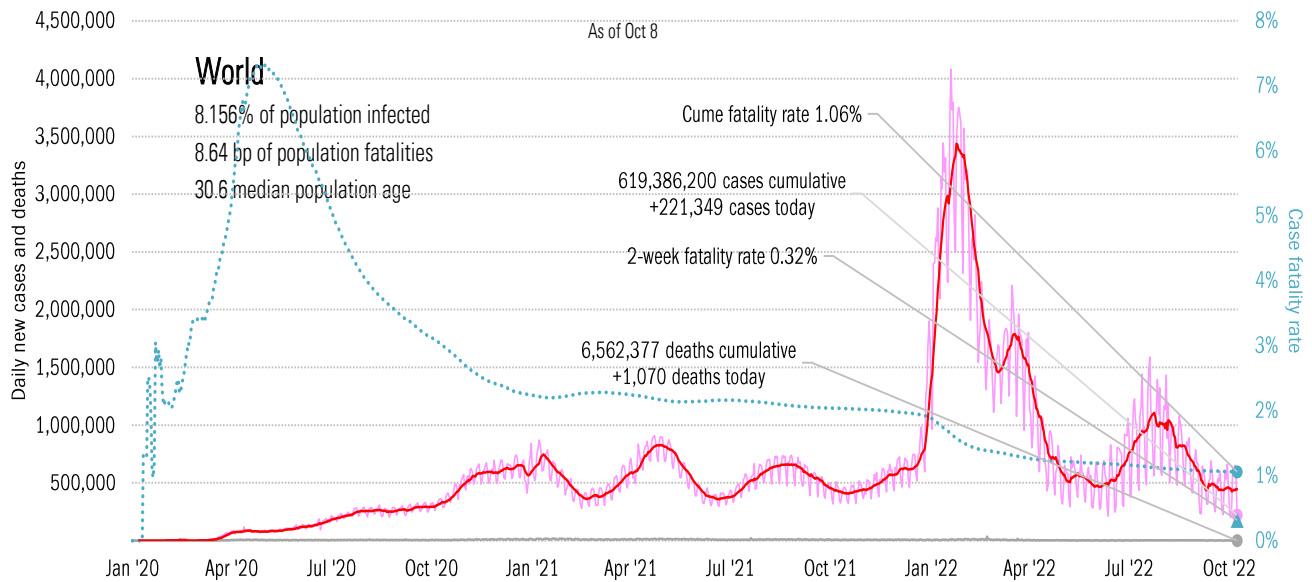
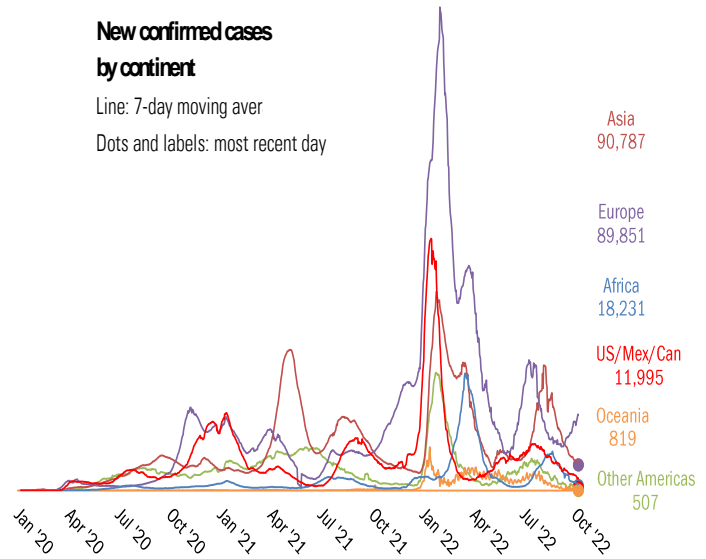
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	53,030	United States	620
Taiwan*	44,325	Russia	104
Italy	43,716	Japan	83
Japan	26,785	Taiwan*	76
Russia	20,376	Italy	60
Korea, South	17,654	Philippines	39
Austria	13,664	Korea, South	29
Singapore	6,198	India	21
Chile	3,738	Chile	16
Poland	3,732	Austria	14
233,218		1,062	

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

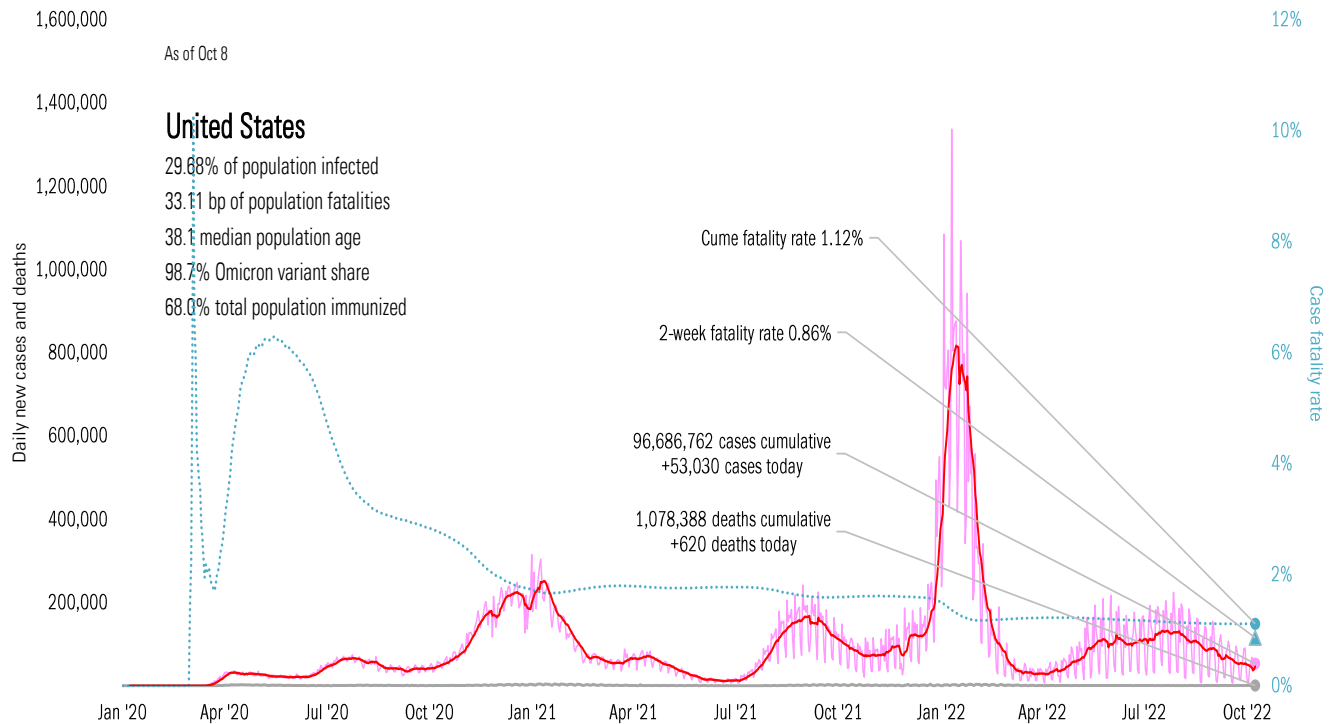
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use			
CA	7,388		CA	84		PA	234		CA	11,296,777		CA	96,217		TX	547,218		RI	91%		RI	87%	
TX	4,121		TN	54		NY	322		TX	8,010,466		TX	91,017		CA	501,910		MA	89%		AK	87%	
MO	3,767		NC	47		KY	54		FL	7,163,204		FL	81,720		FL	495,028		MN	85%		MA	87%	
FL	3,227		IN	40		CT	87		NY	6,153,671		NY	71,986		NY	302,170		WA	85%		NH	85%	
KY	3,204		FL	35		MI	142		IL	3,773,667		PA	47,323		GA	226,241		MO	84%		AL	84%	
NY	2,923		TX	35		VA	83		PA	3,266,934		GA	40,374		CH	219,288		NH	84%		NC	83%	
NJ	2,295		NY	32		SC	41		NC	3,210,837		CH	39,950		PA	205,100		DC	83%		WA	82%	
IL	1,922		AR	25		NJ	163		CH	3,153,743		IL	39,777		IL	187,700		DE	83%		TX	82%	
MI	1,840		WA	22		CH	150		GA	2,909,760		MI	38,767		MI	163,607		WV	83%		DC	82%	
PA	1,731		MI	20		WA	56		MI	2,849,047		NJ	34,789		KY	145,456		MI	82%		NM	80%	
32,418			394			1,332			51,788,106			581,920			2,993,718								
All states	53,030			620			3,362		All states	96,686,762			1,078,388			5,432,544		All states	70%			67%	
Top ten	61%			64%			40%		Top ten	54%			55%			55%		Median	77%			75%	

Some states not reporting

Five most improved US states

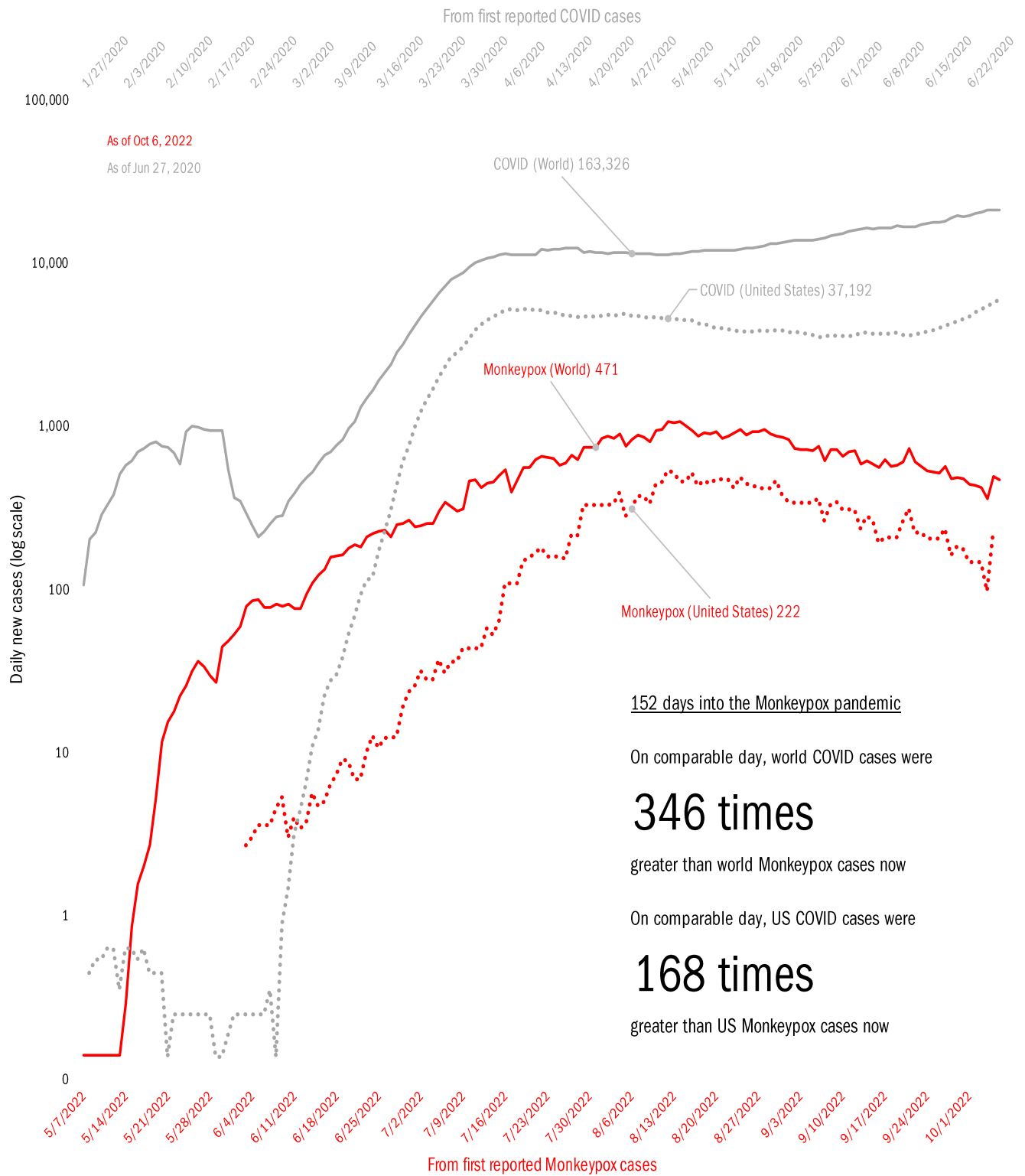
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-1,368	ME	-5	MD	-53
CT	-91	AK	0	IL	-44
AR	-59	AL	0	IN	-23
NJ	-7	AZ	0	FL	-22
AK	0	CA	0	NJ	-19



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

The Monkeypox contextualizer

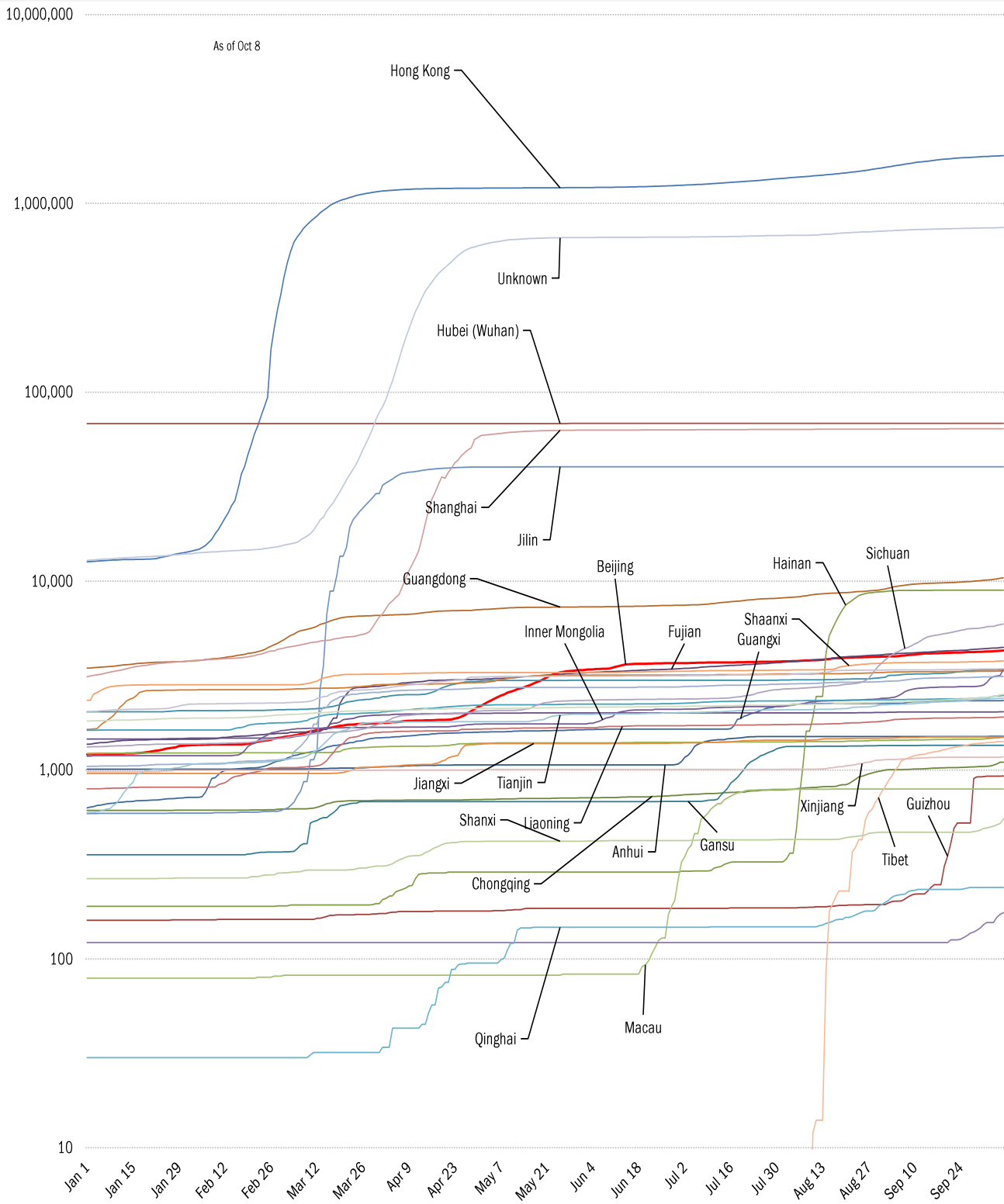
The course of case growth versus COVID



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"



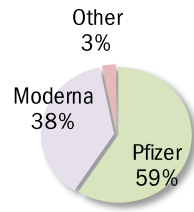
Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	639,829,441	+0.646 million	US	68.0%	79.7%
of which boosters	112,806,473	+0.097 million	UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today
Total population	272,769,462	82%	232,566,440	70%	+0.103 million
Age 12 to 17	18,239,142	72%	15,598,069	62%	+0.005 million
Age 18 to 64	181,807,769	89%	154,688,903	76%	+0.070 million
Age 65 and over	60,054,982	100%	52,589,623	96%	+0.018 million

France	78.7%	80.9%
Spain	85.6%	87.0%
Germany	76.1%	77.7%
Italy	81.0%	85.8%
Australia	84.0%	86.6%
Israel	66.2%	72.3%
Canada	82.8%	87.6%
Japan	82.6%	83.6%
Africa	23.3%	29.4%
India	67.4%	72.9%
Brazil	80.4%	87.4%
China	89.2%	91.4%



State
AK
71.8%
64.3%

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

"Immunity" = two doses

Best

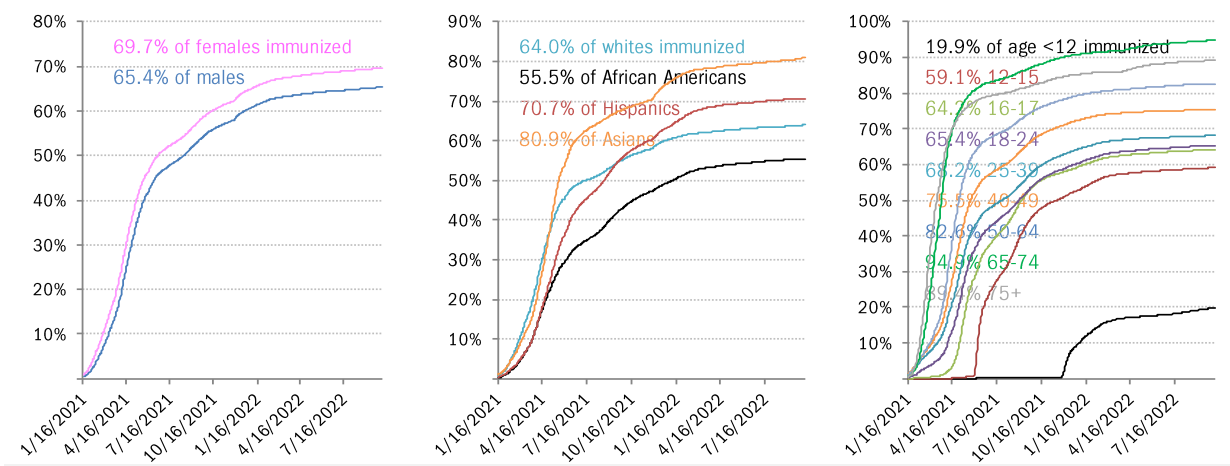
Middle

Worst

As of Oct 7

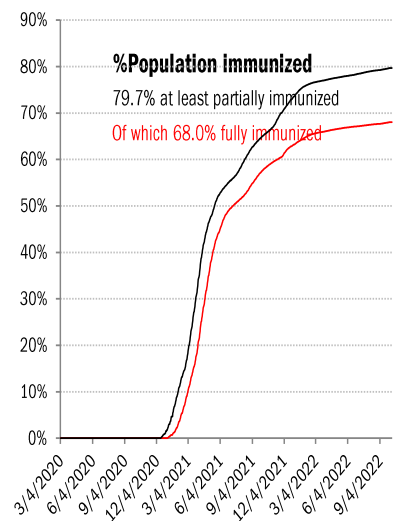
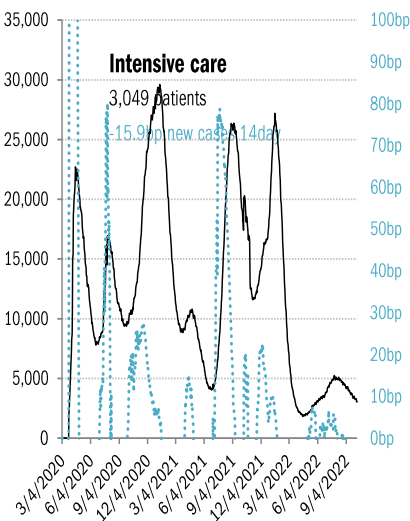
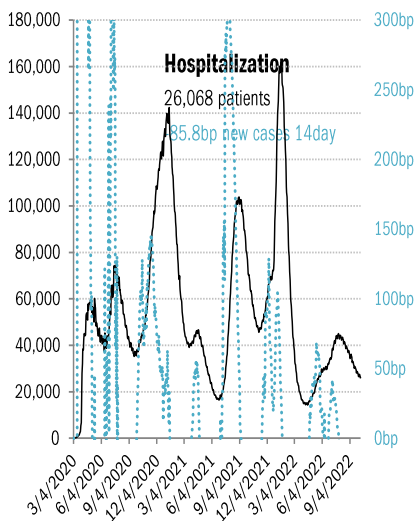
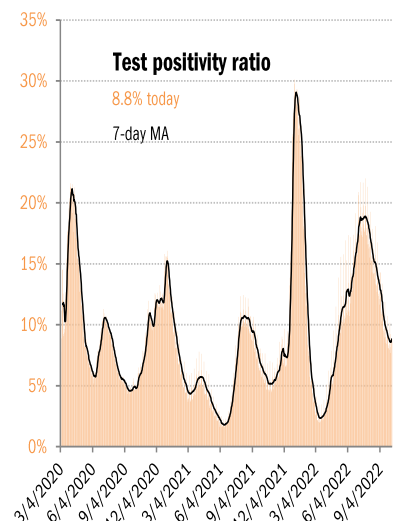
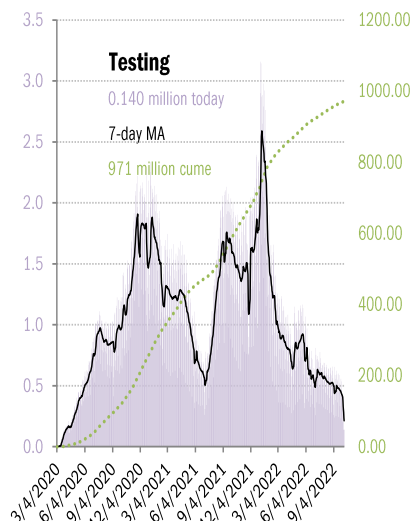
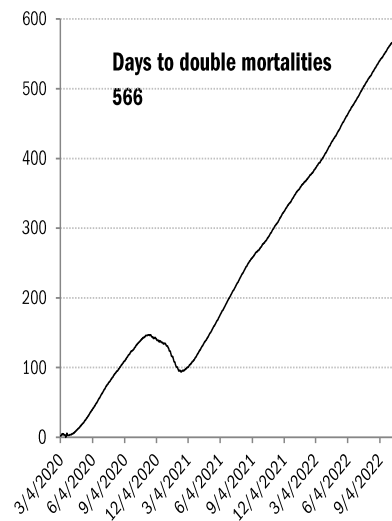
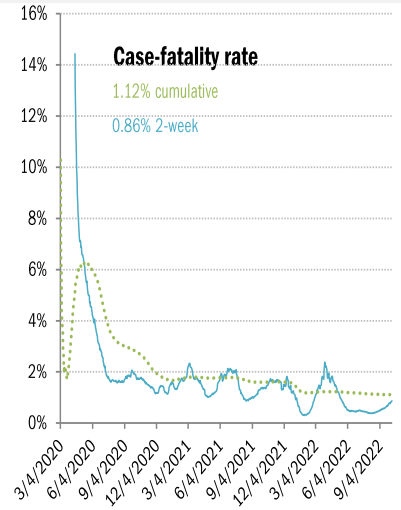
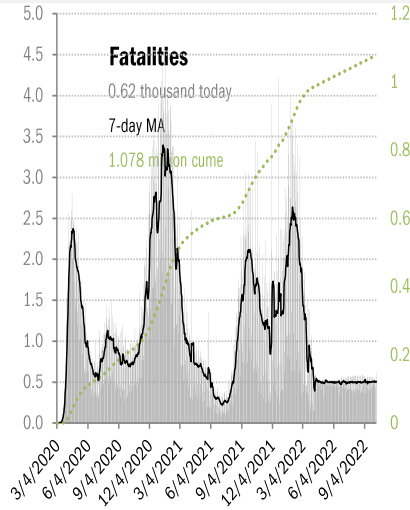
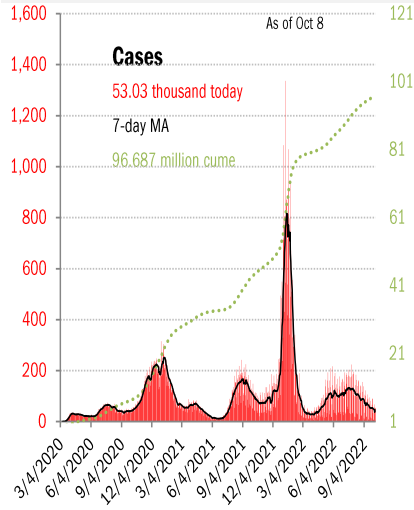
State	At least partial immunity as % population	Full immunity as % population
AK	71.8%	64.3%
HI	89.9%	80.3%
WI	73.6%	67.0%
ME	93.8%	81.8%
WA	83.4%	74.5%
ID	62.8%	55.5%
MT	66.9%	58.2%
ND	67.6%	57.2%
MN	77.3%	70.8%
IL	77.9%	70.2%
MI	68.5%	61.4%
NY	92.6%	79.1%
VT	95.0%	83.5%
NH	84.4%	69.5%
OR	79.9%	71.1%
NV	77.4%	62.4%
WY	59.6%	52.2%
SD	80.4%	64.4%
IA	69.5%	63.3%
IN	63.4%	57.1%
OH	64.8%	59.6%
PA	88.1%	71.2%
NJ	93.0%	77.7%
MA	95.0%	81.8%
CA	84.6%	74.0%
UT	74.1%	65.7%
CO	82.0%	72.1%
NE	72.1%	65.1%
MO	68.0%	57.8%
KY	67.8%	58.7%
WV	66.6%	59.0%
VA	88.5%	75.2%
MD	89.6%	78.0%
CT	95.0%	81.4%
RI	95.0%	85.7%
AZ	76.1%	63.6%
NM	91.2%	73.3%
KS	74.6%	63.9%
AR	68.6%	55.9%
TN	63.7%	55.7%
NC	88.6%	64.5%
SC	69.7%	58.8%
DC	95.0%	81.1%
DE	86.0%	71.6%
OK	73.2%	59.2%
LA	62.2%	54.6%
MS	61.1%	53.2%
AL	64.2%	52.4%
GA	67.2%	56.3%
TX	74.9%	62.3%
FL	81.3%	68.5%
PR	95.0%	85.5%

The demographics of US vaccination



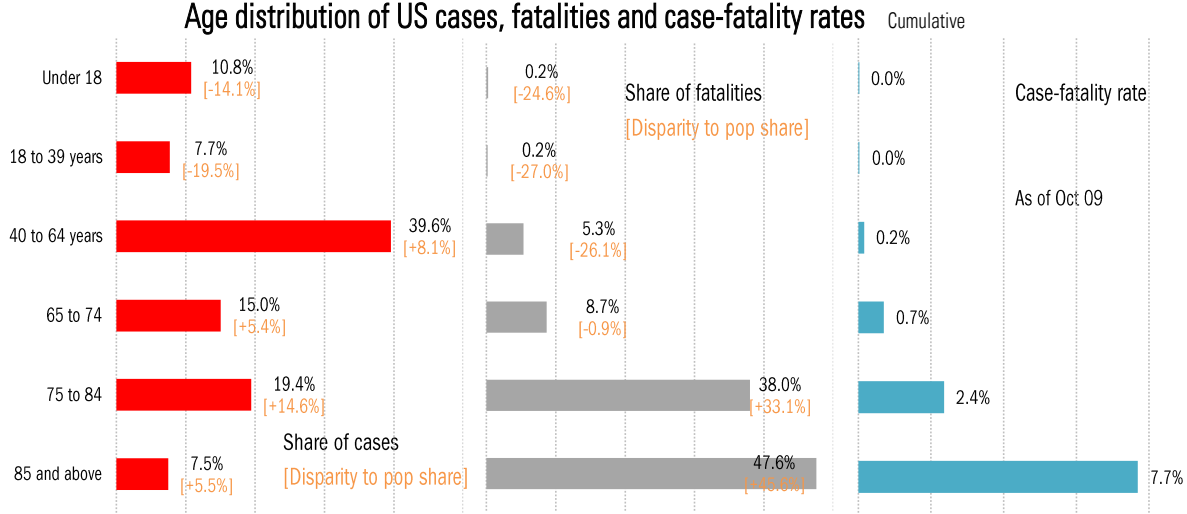
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

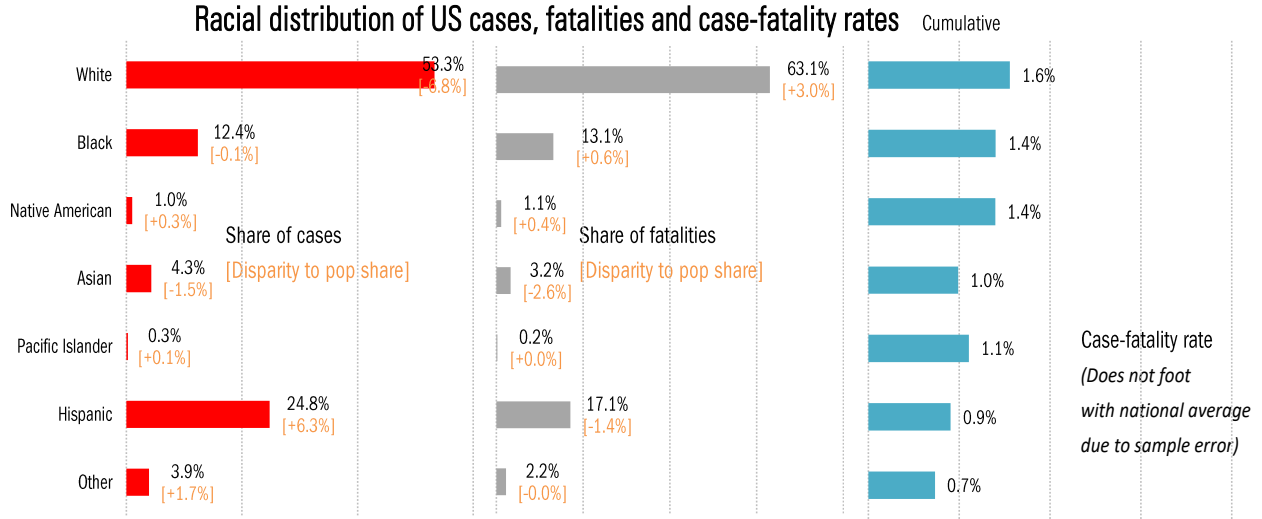


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

Age distribution of US cases, fatalities and case-fatality rates

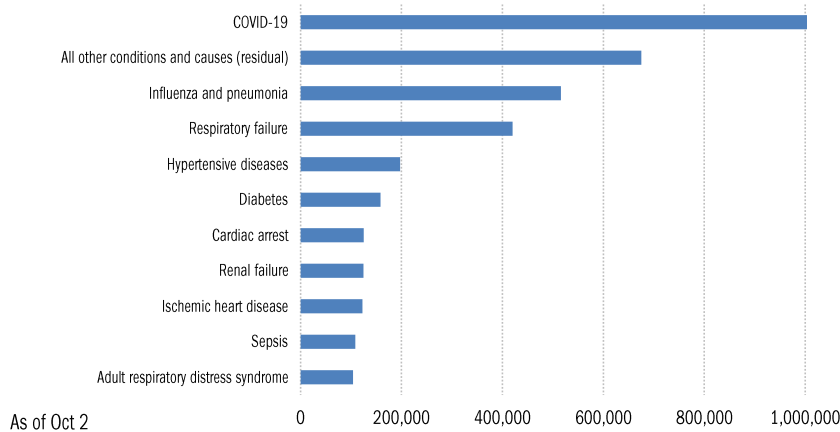


Racial distribution of US cases, fatalities and case-fatality rates



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

[PayPal user agreement fining users up to \\$2,500 for promoting 'misinformation' was sent 'in error,' spox says](#)

Adam Sabes
Fox Business
October 8, 2022

[Acceptable Use Policy](#)

PayPal
November 3, 2022

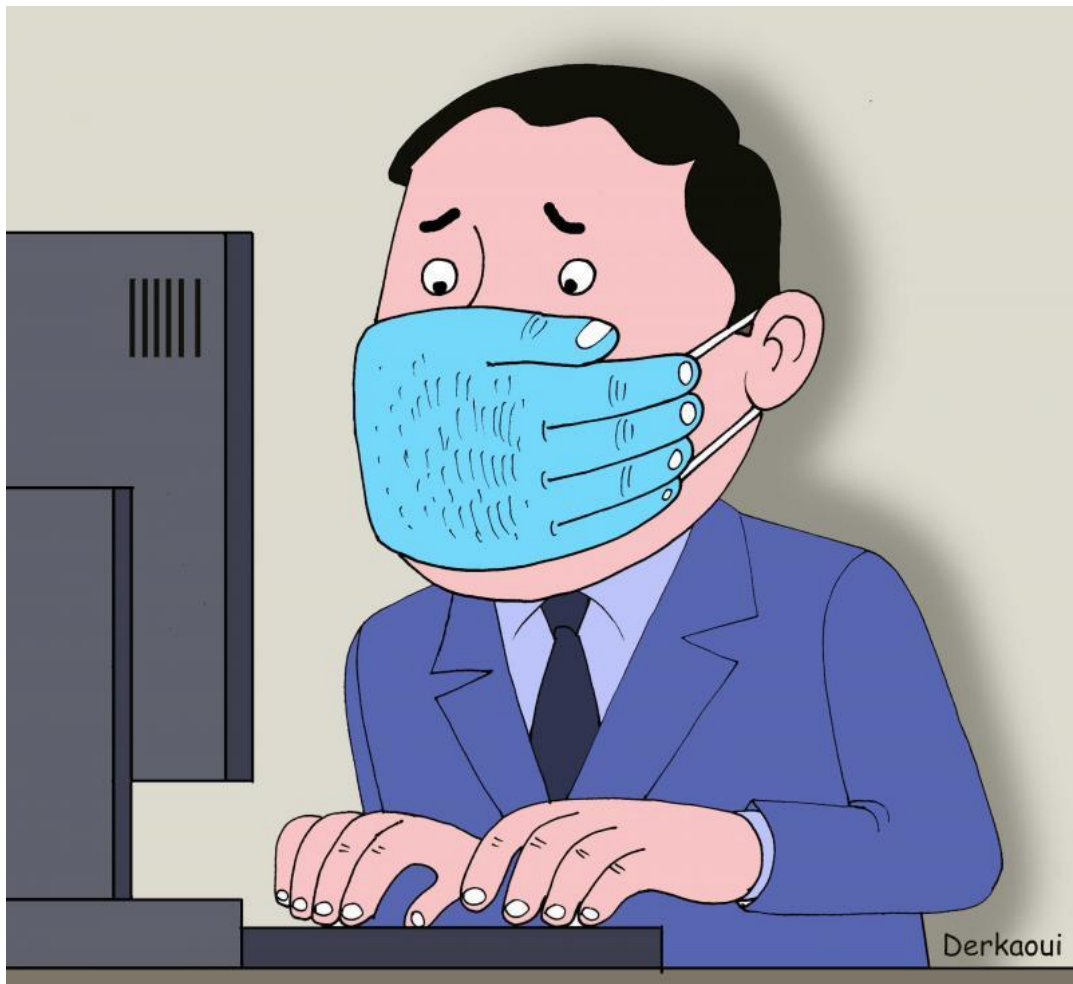
[Notice of Amendment\(s\) to the United States PayPal Agreement\(s\)](#)

PayPal
September 26, 2022

[New PayPal Policy Lets Company Pull \\$2,500 From Users' Accounts If They Promote 'Misinformation'](#)

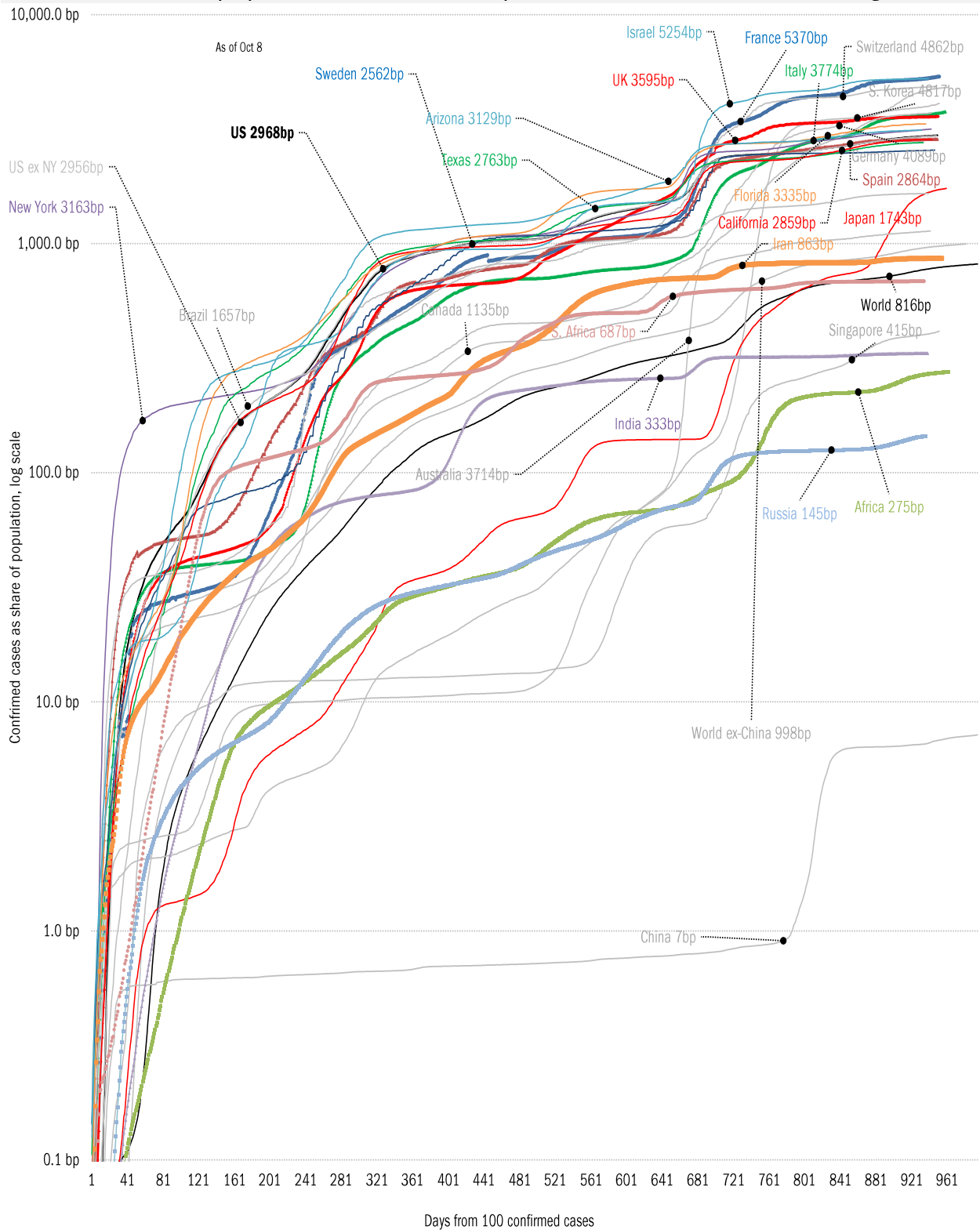
Ben Zeisloft
Daily Wire
October 7, 2022

Meme of the day



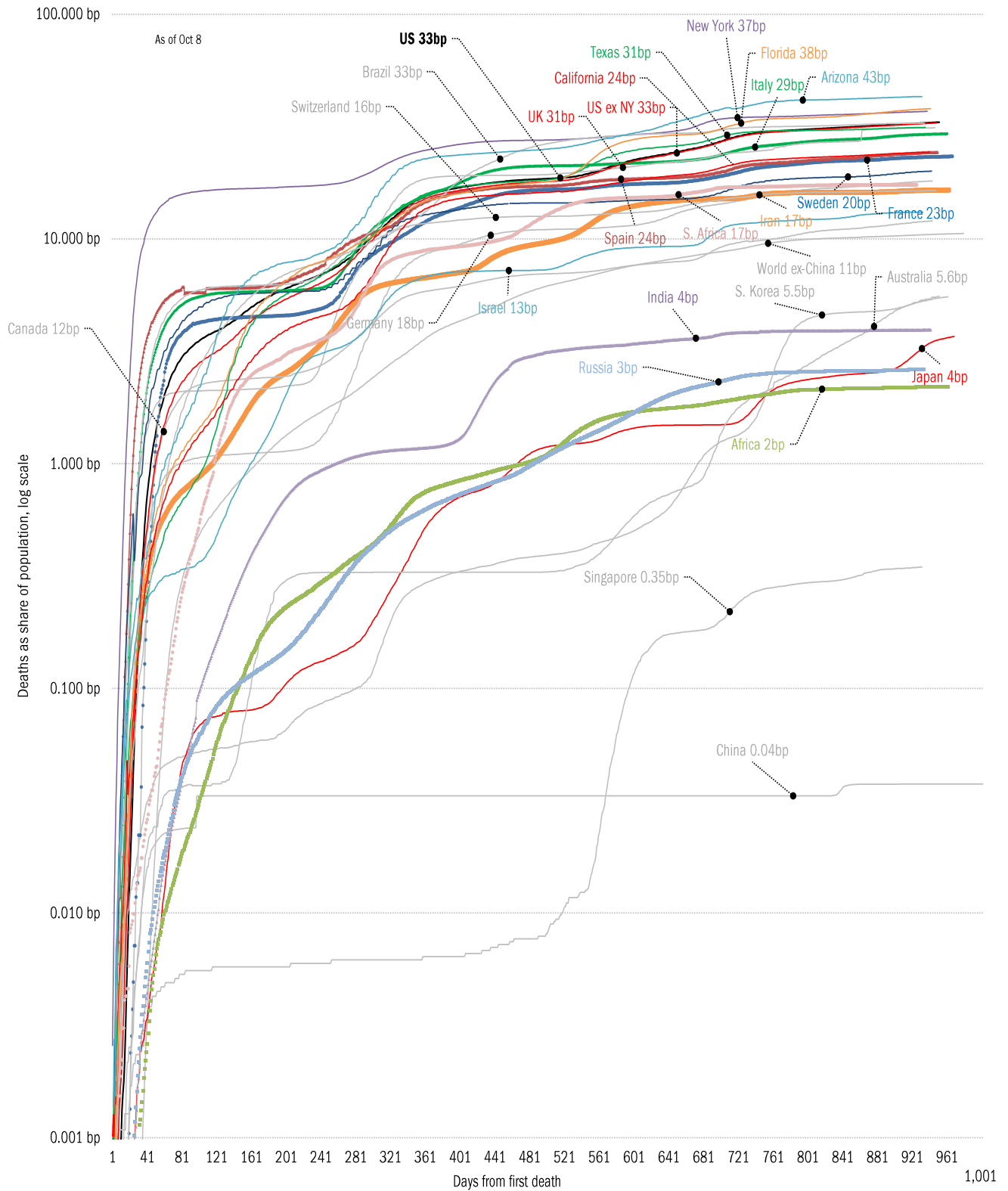
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

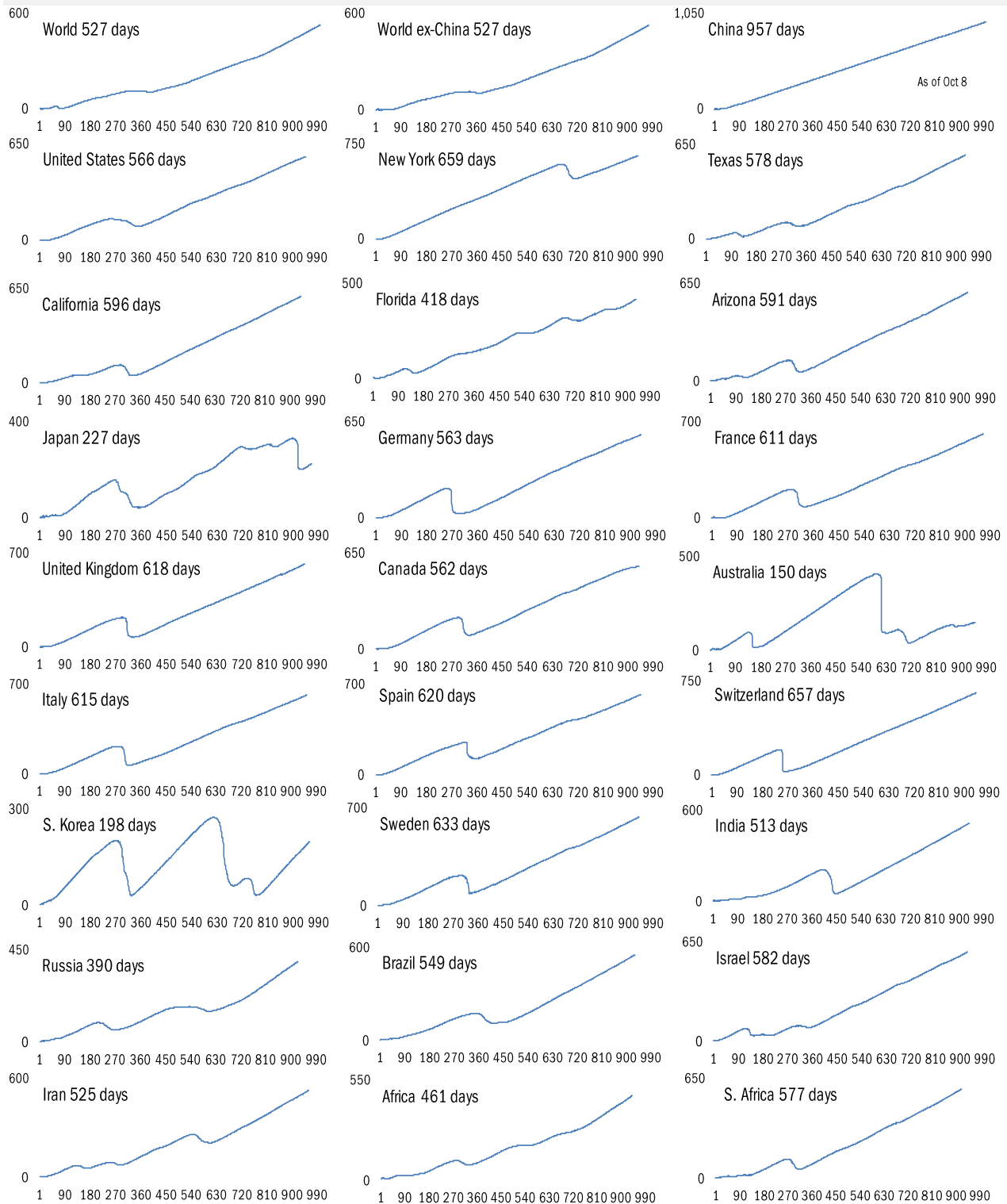


Source: [Johns Hopkins](#), TrendMacro calculations

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

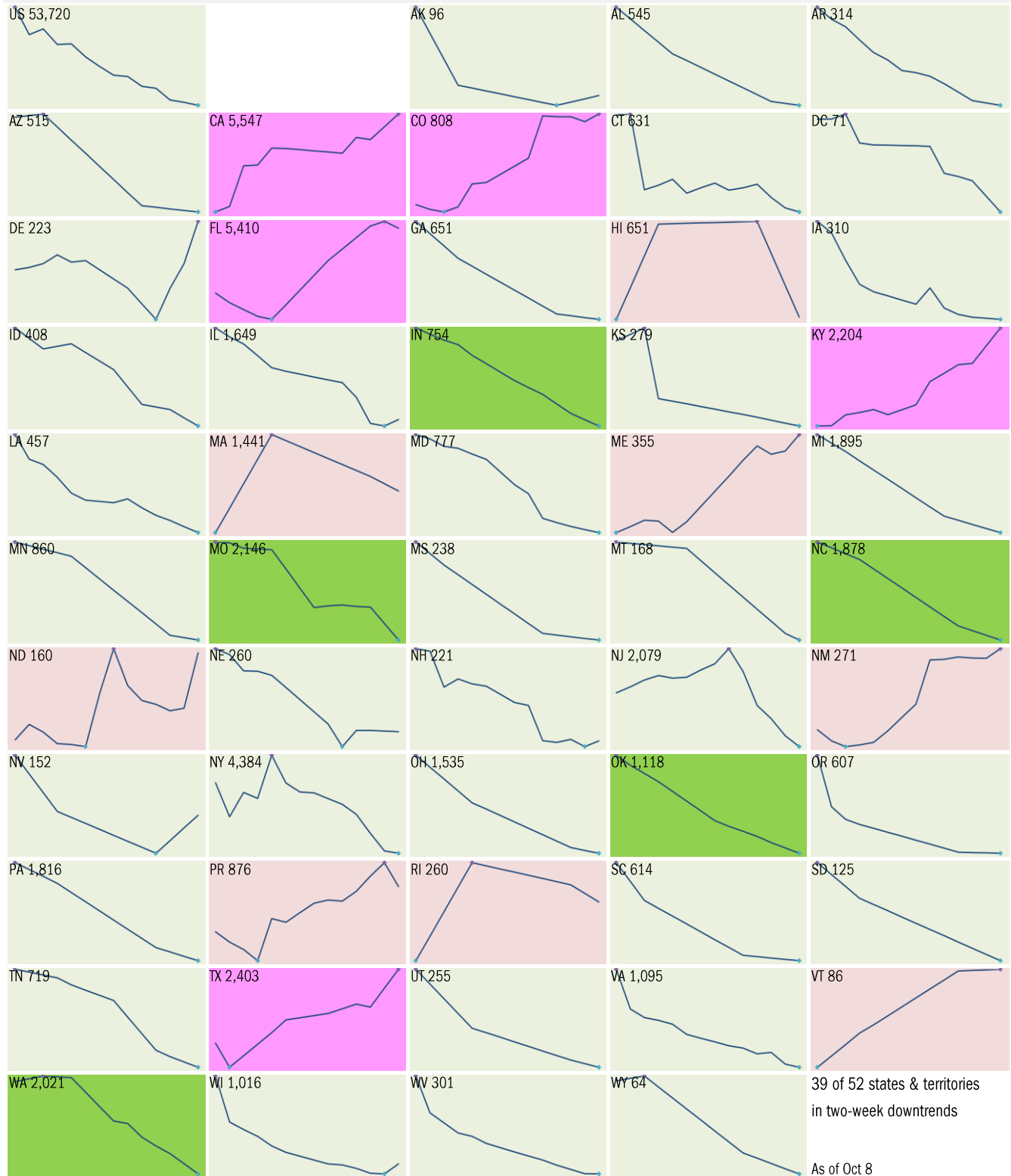


Source: [Johns Hopkins](#), TrendMacro calculations

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

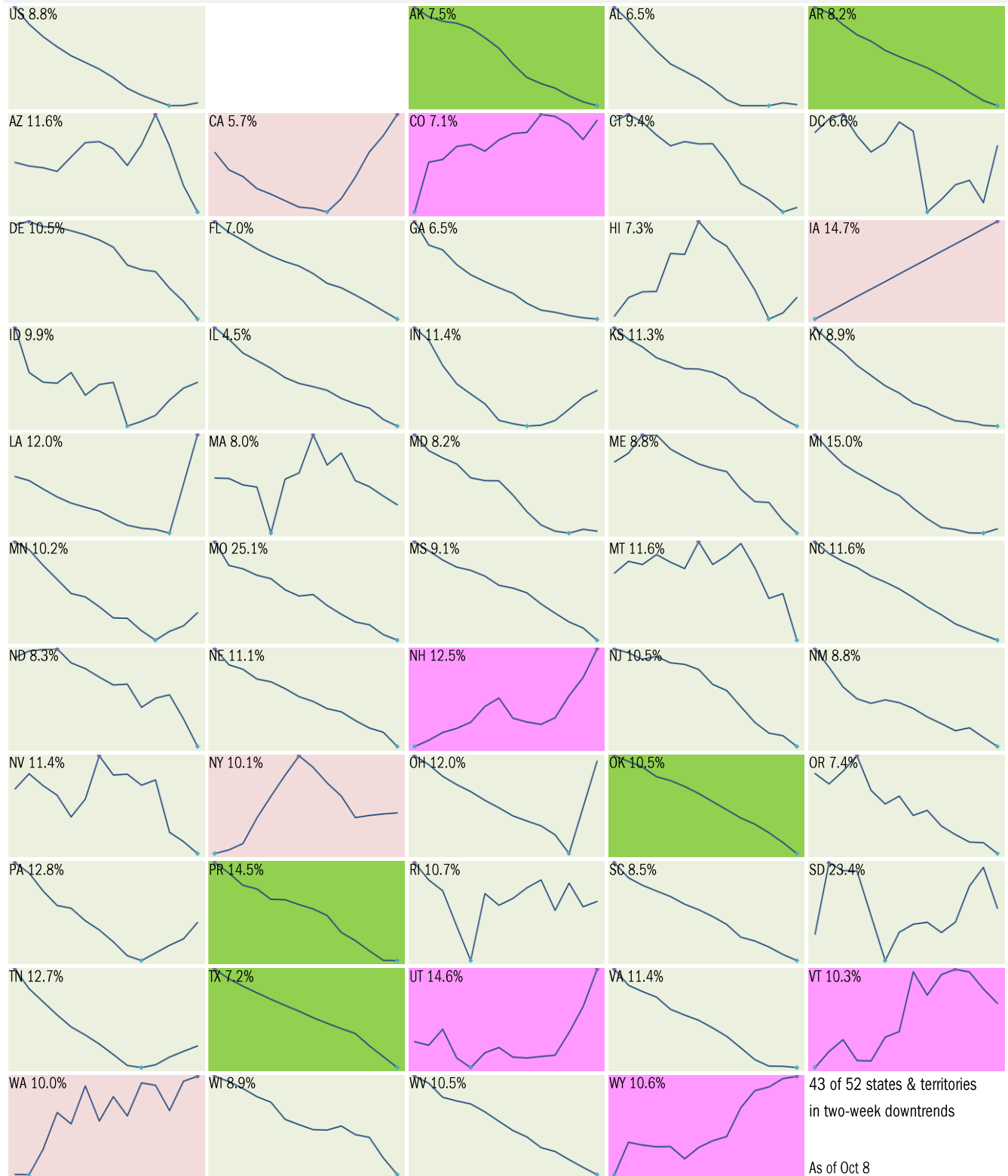


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

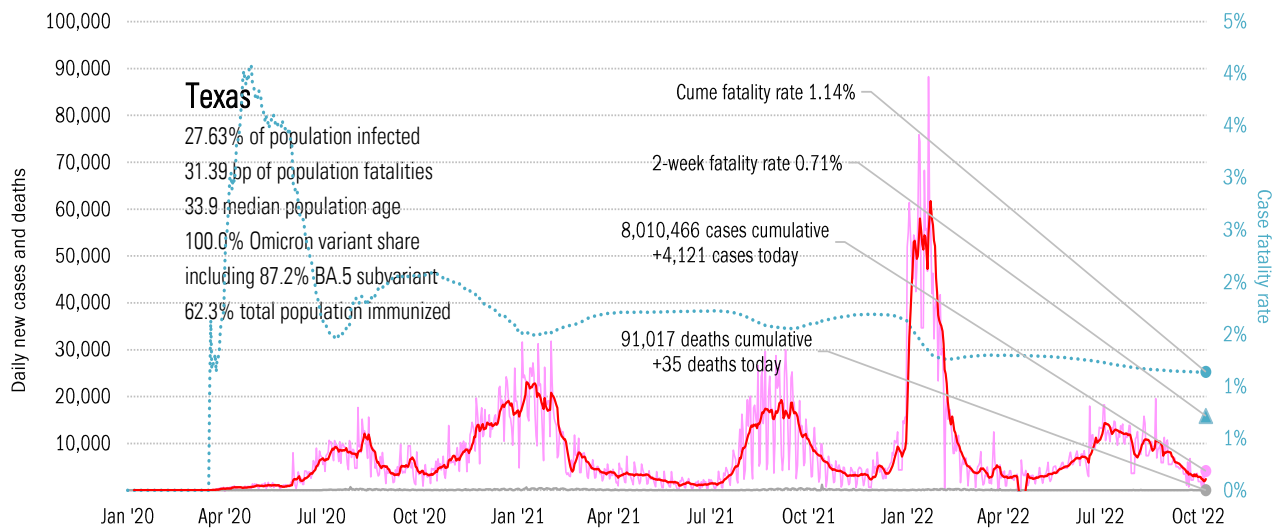
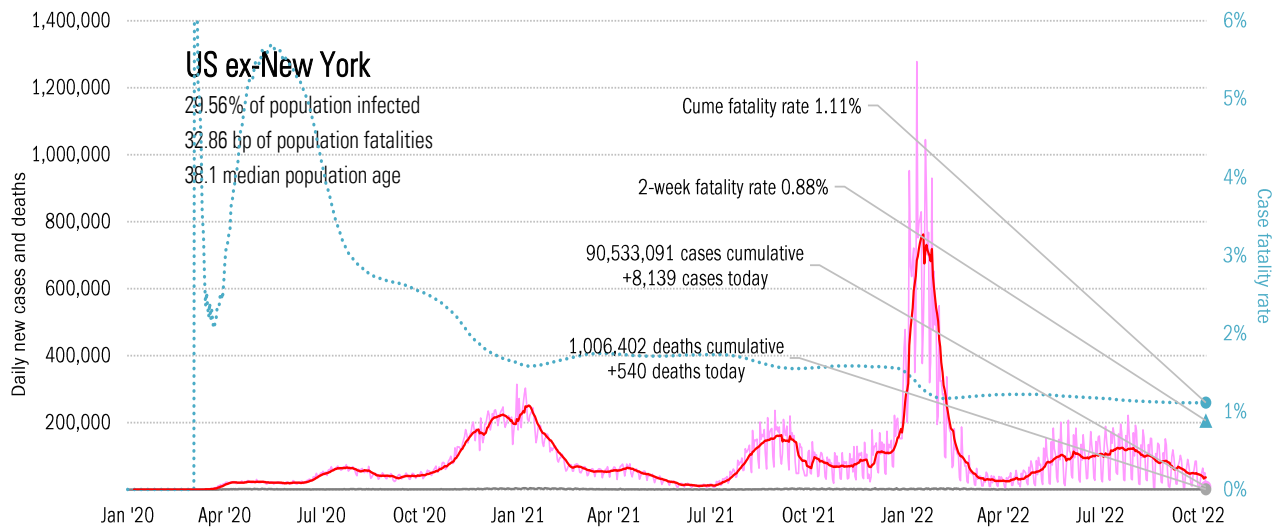
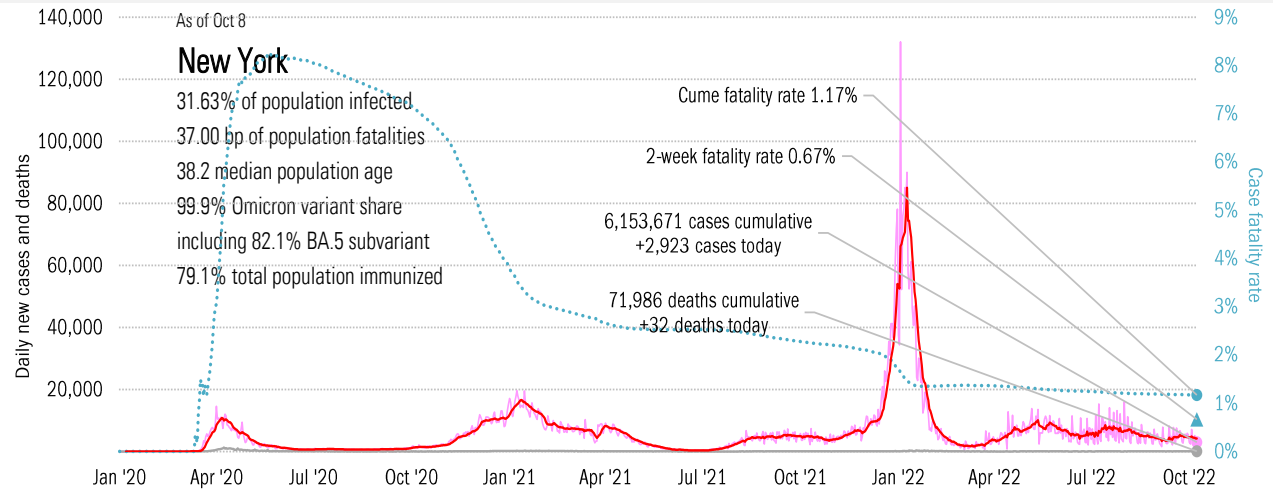
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

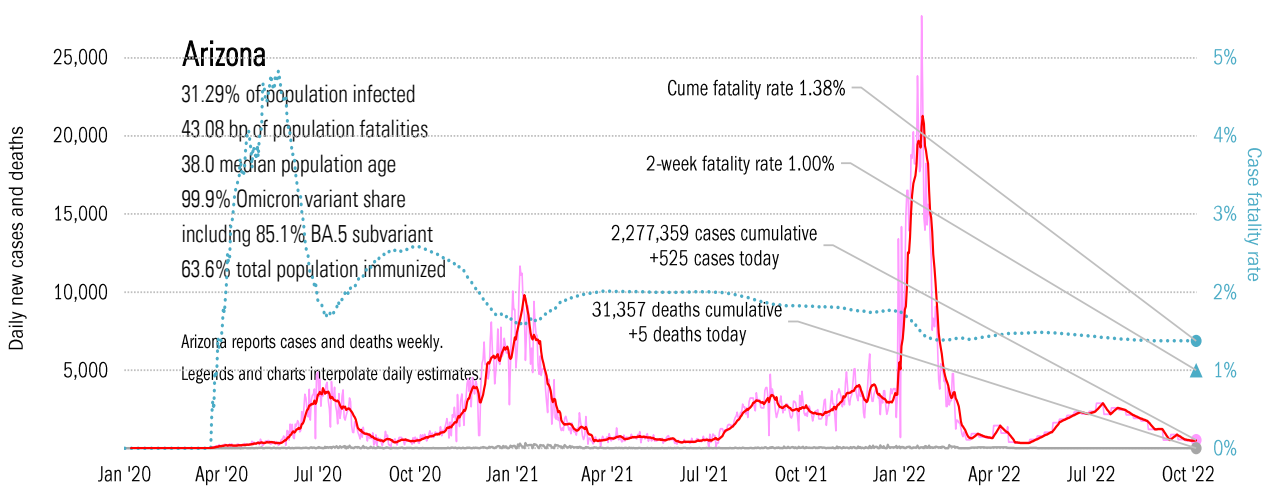
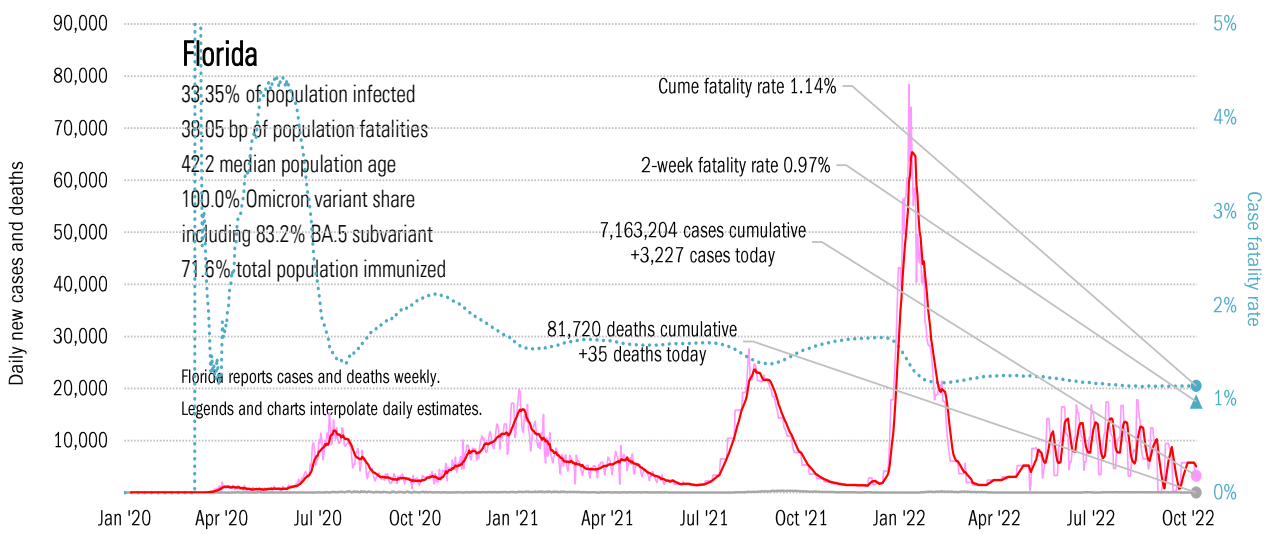
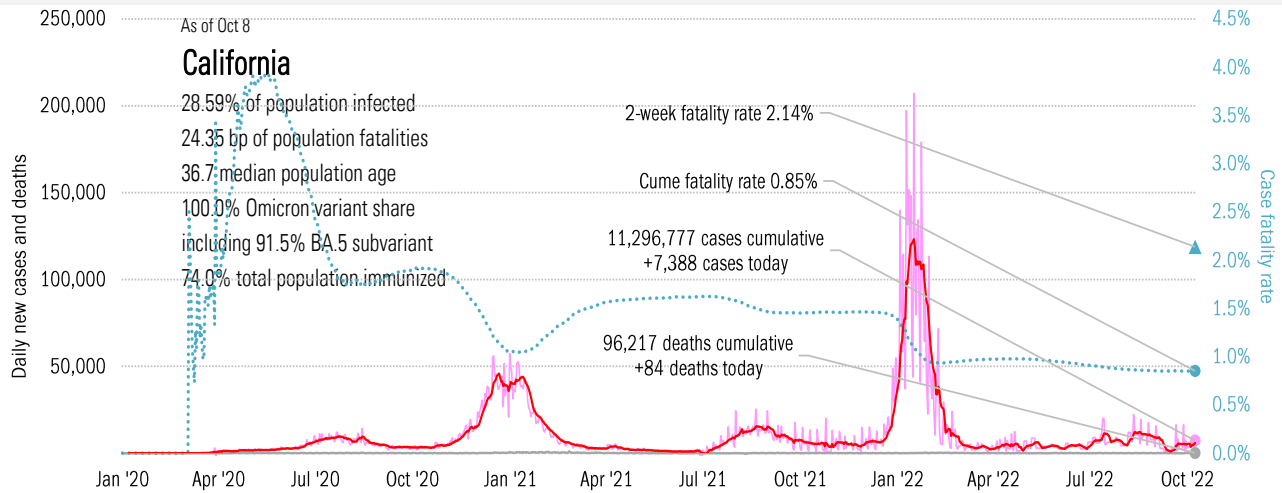
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

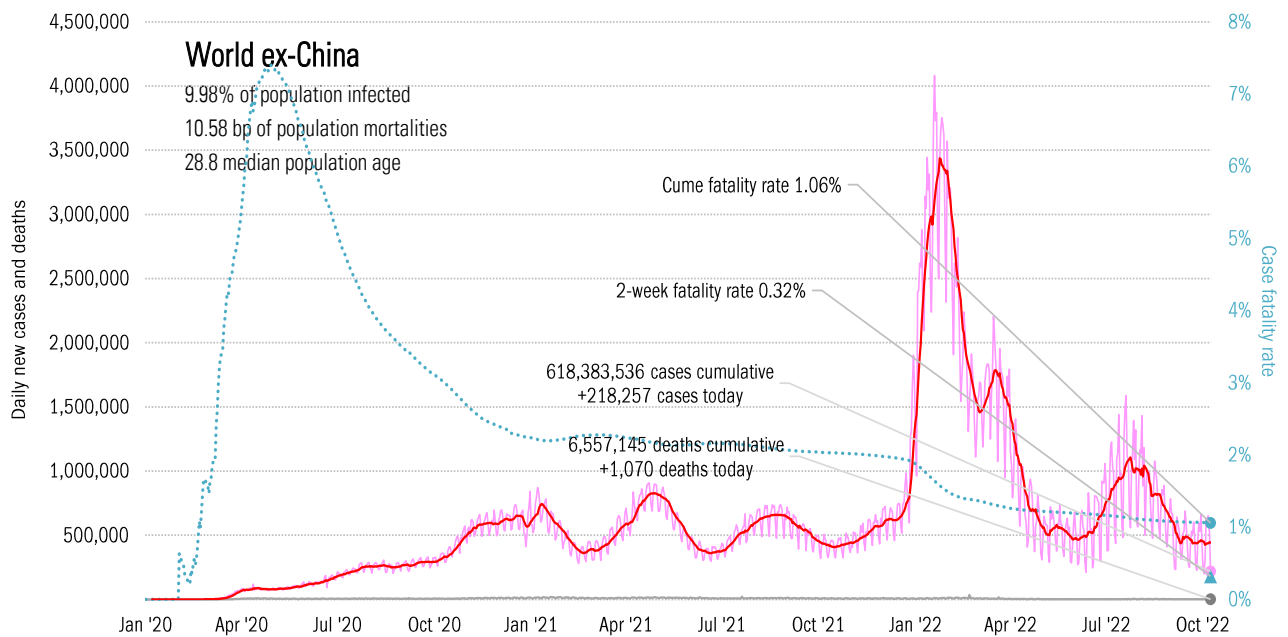
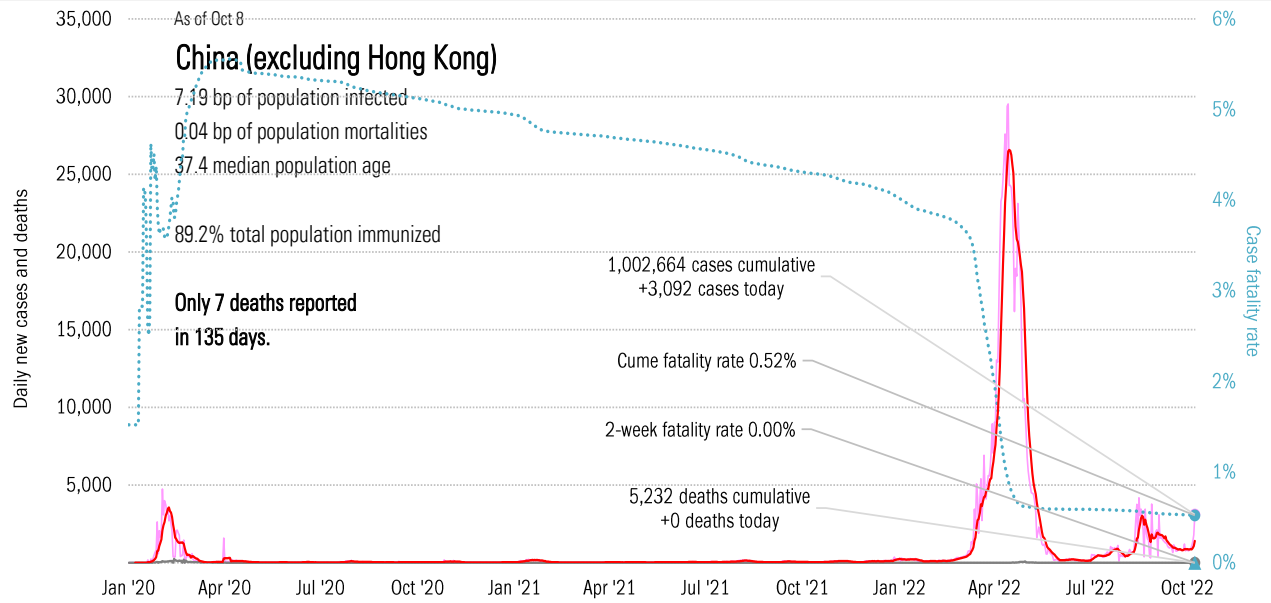
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

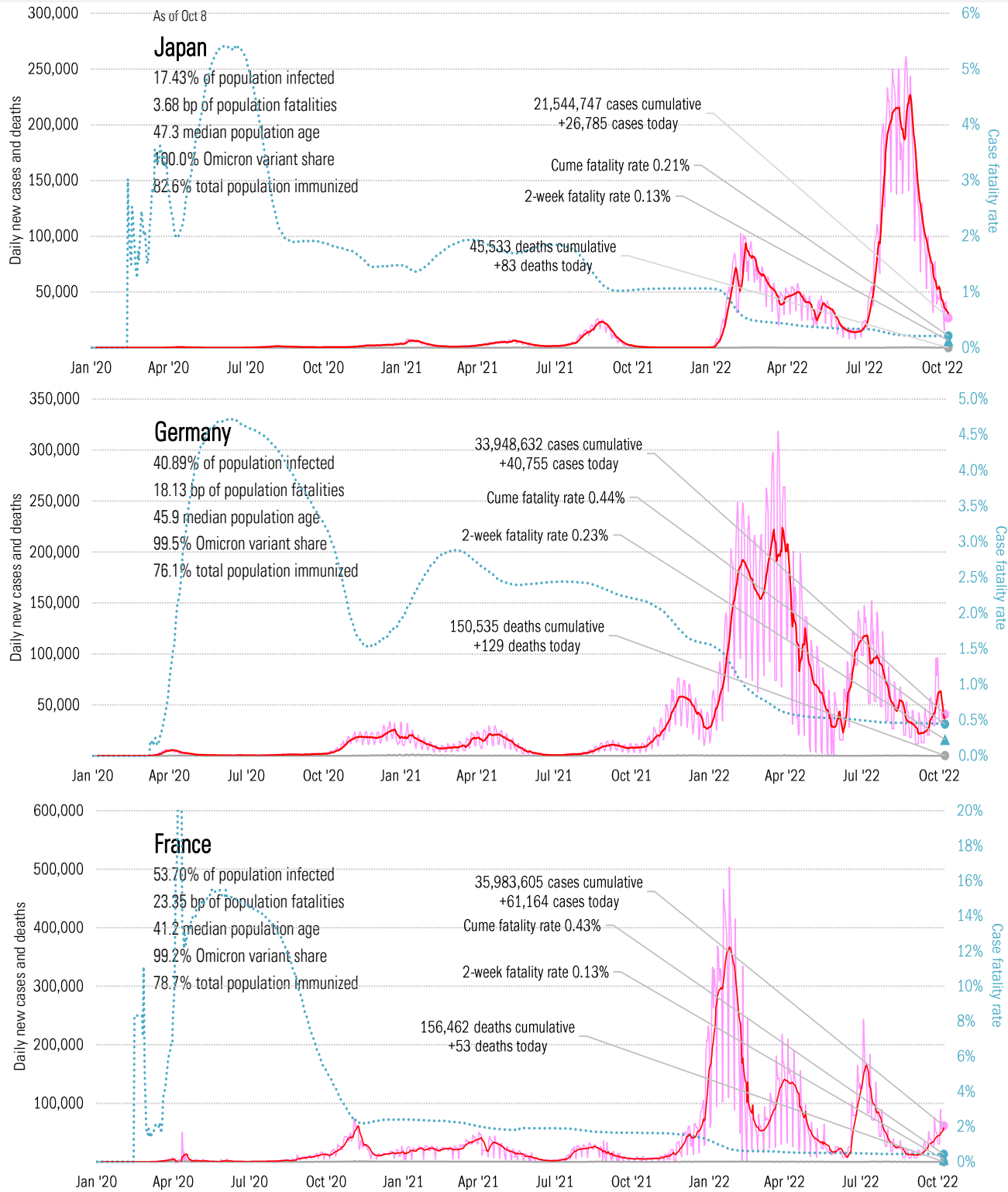
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

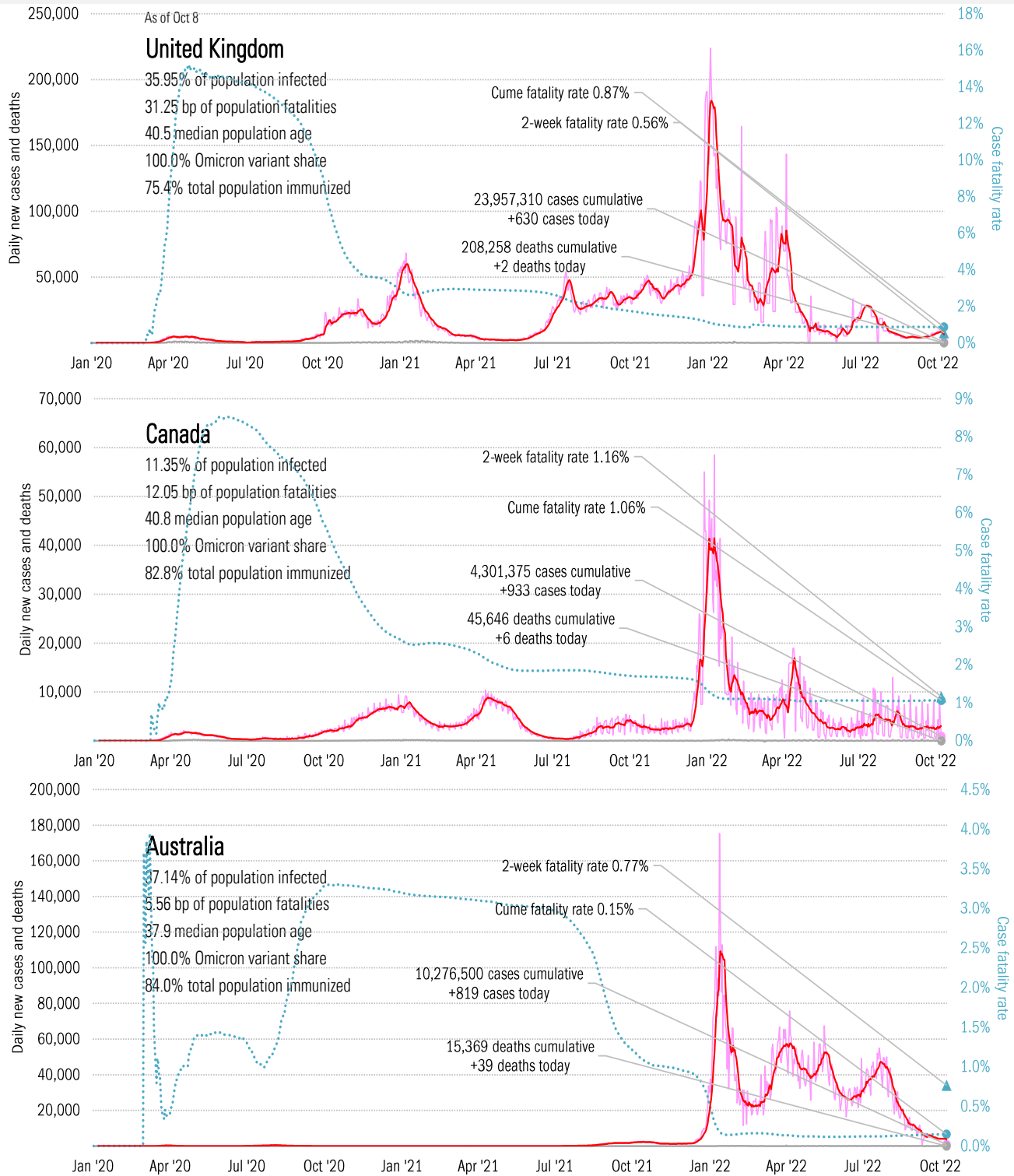
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

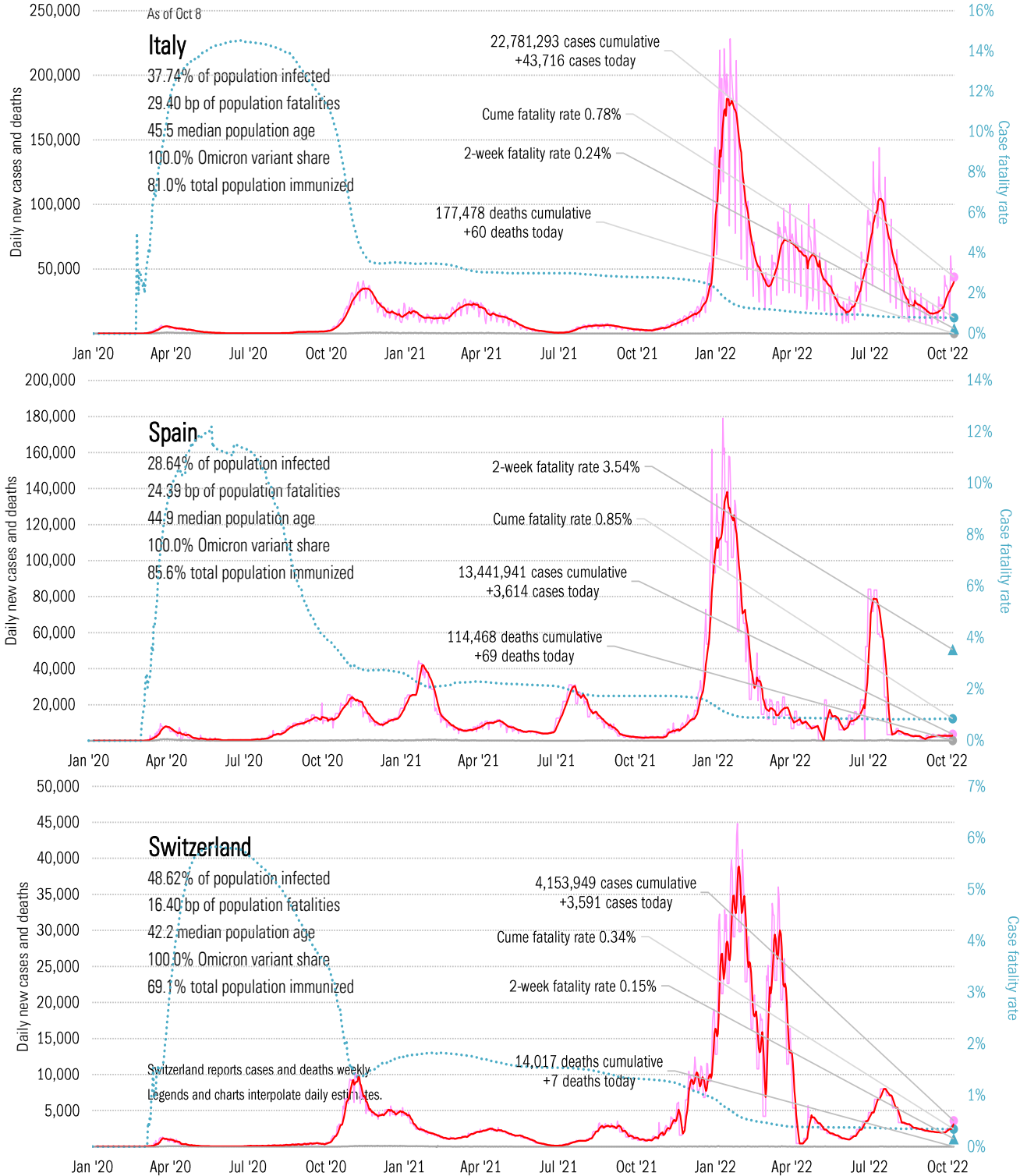
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

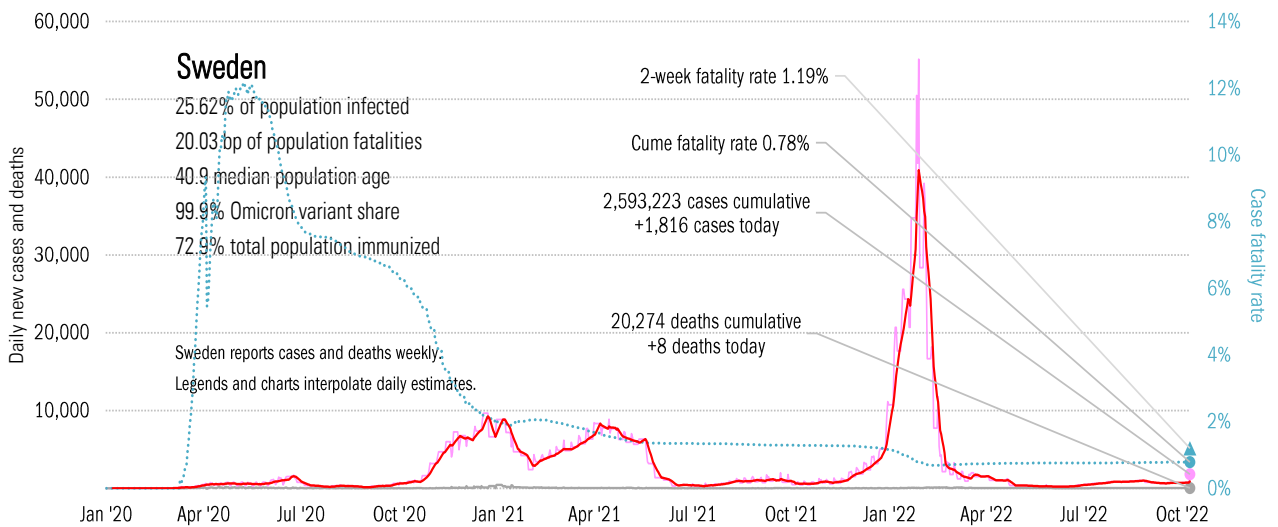
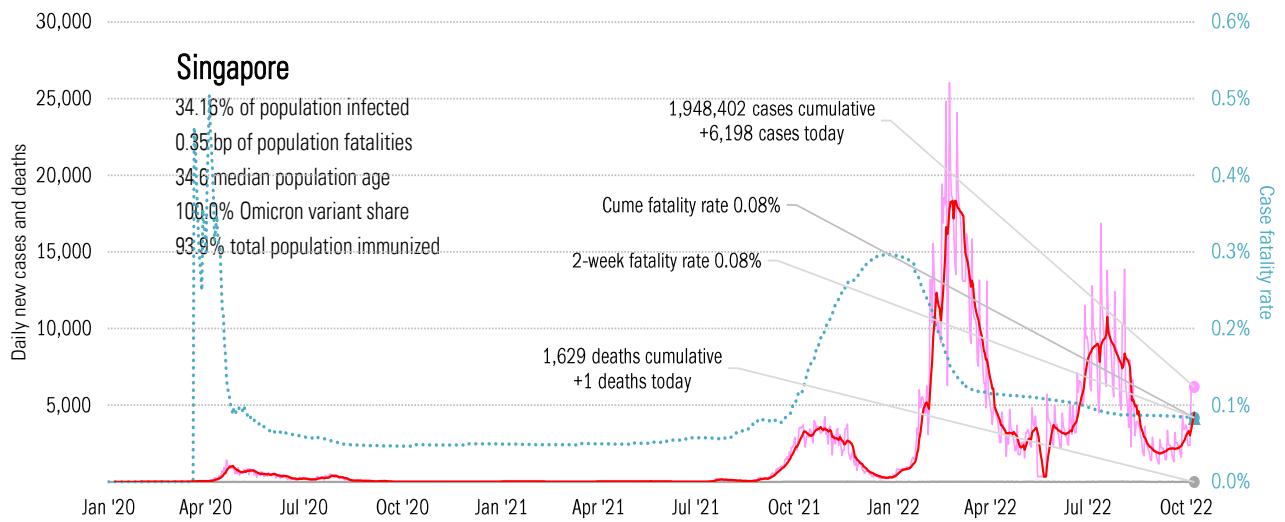
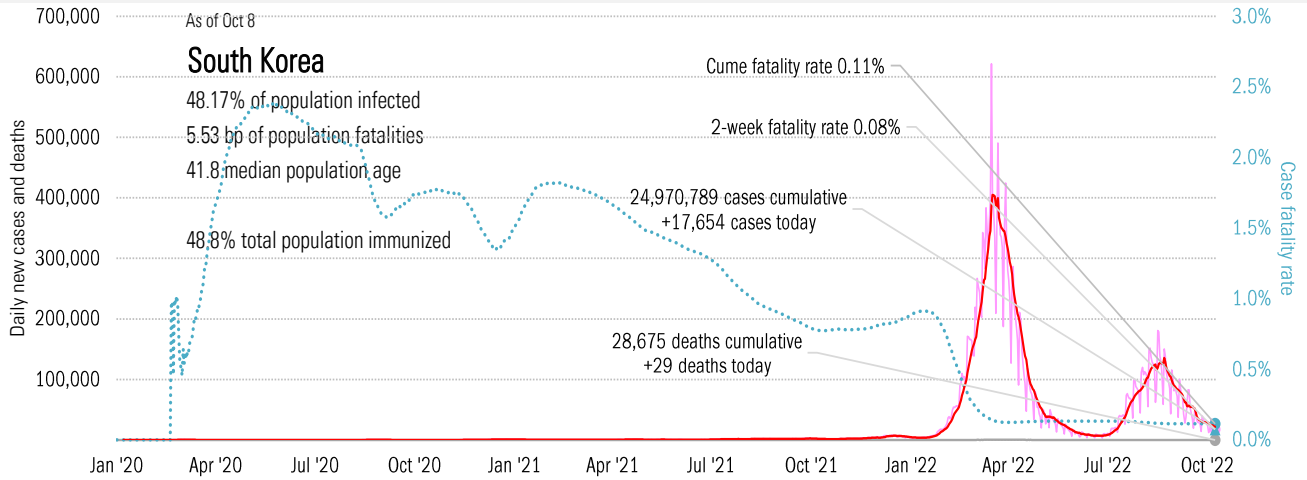
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

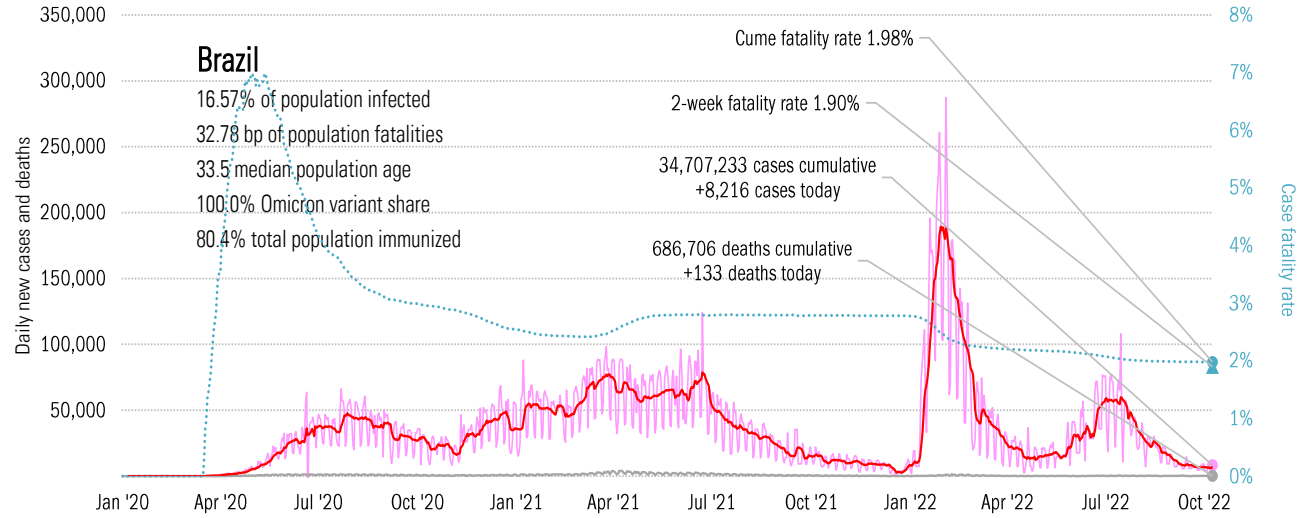
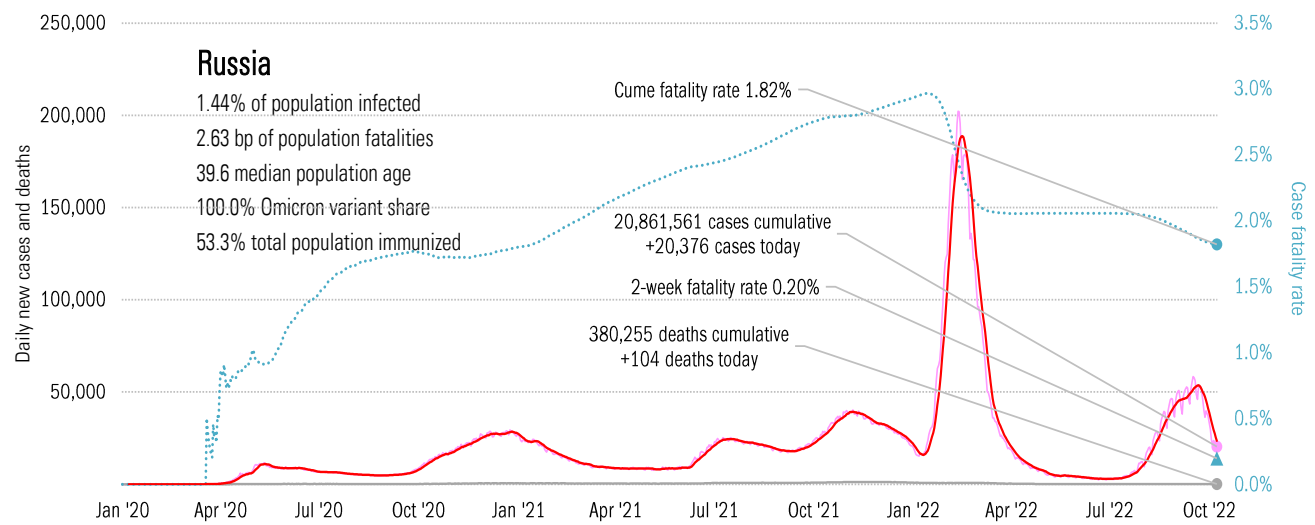
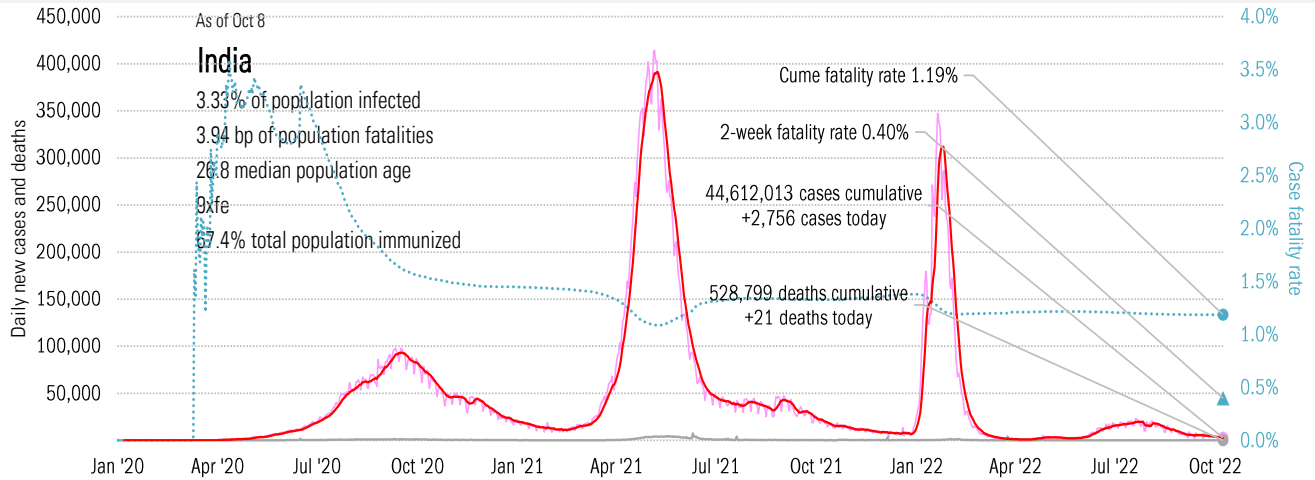
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

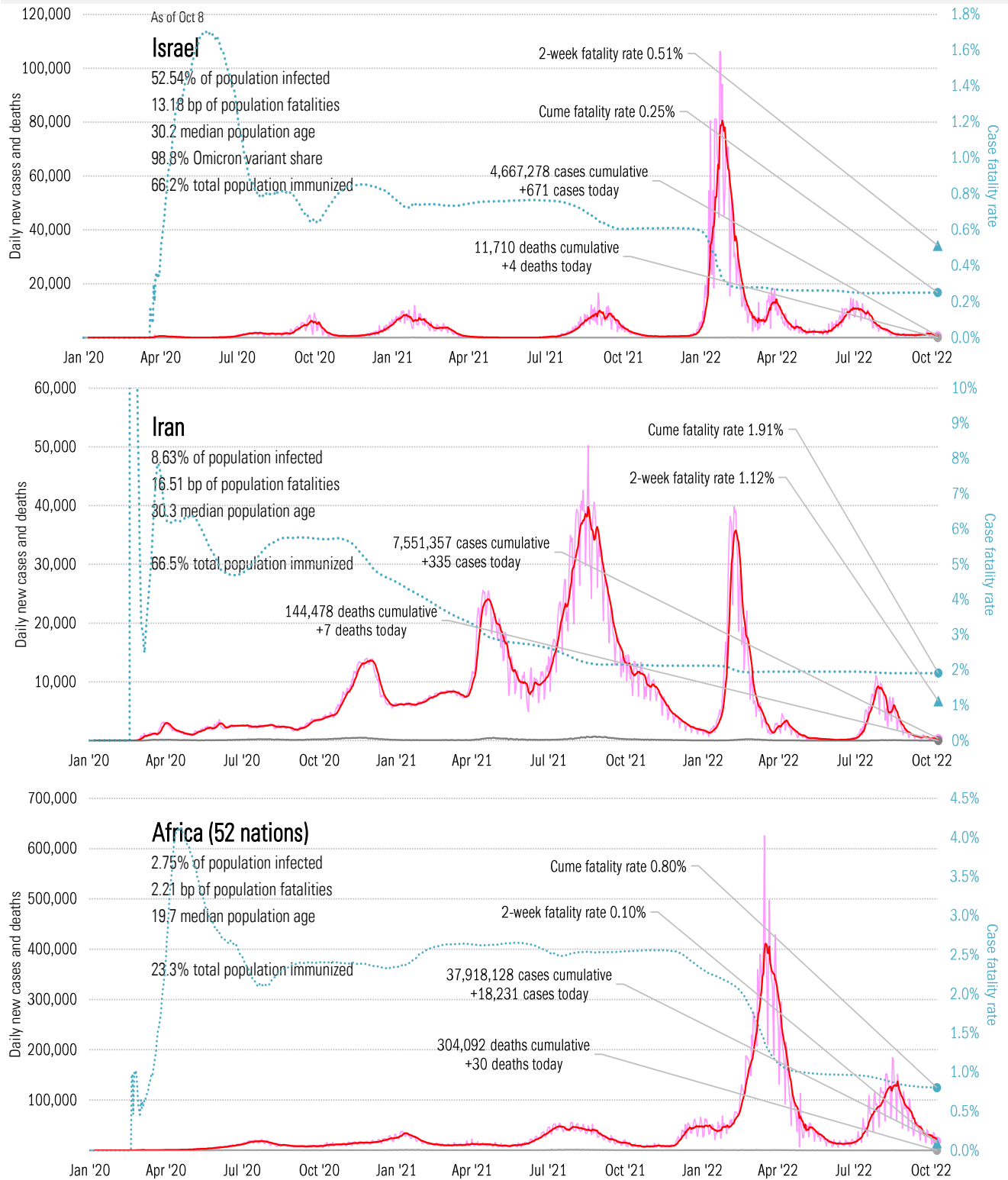
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

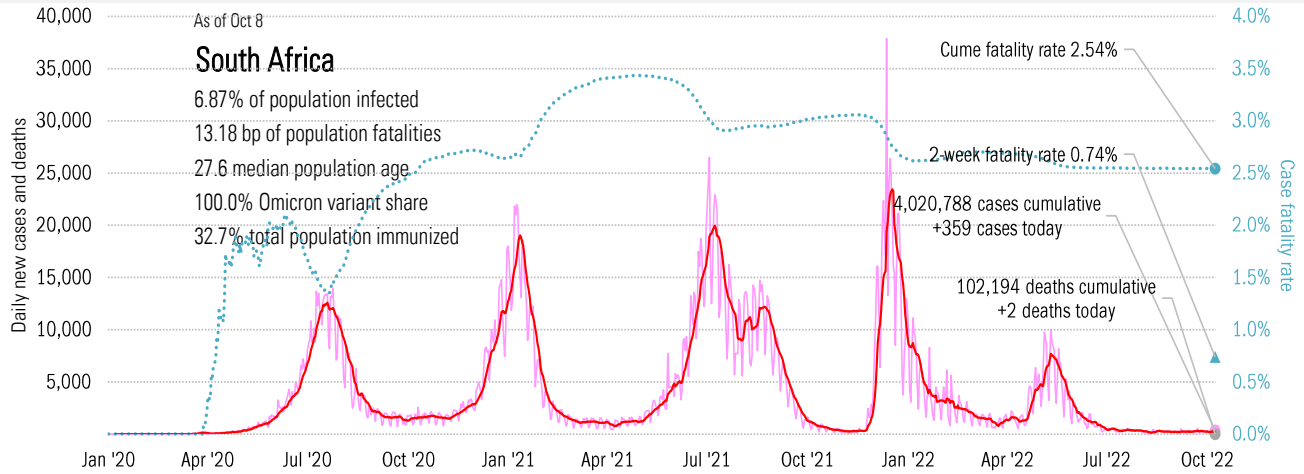
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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