

Data Insights: Covid-2019 Monitor

Monday, August 15, 2022

The global scorecard

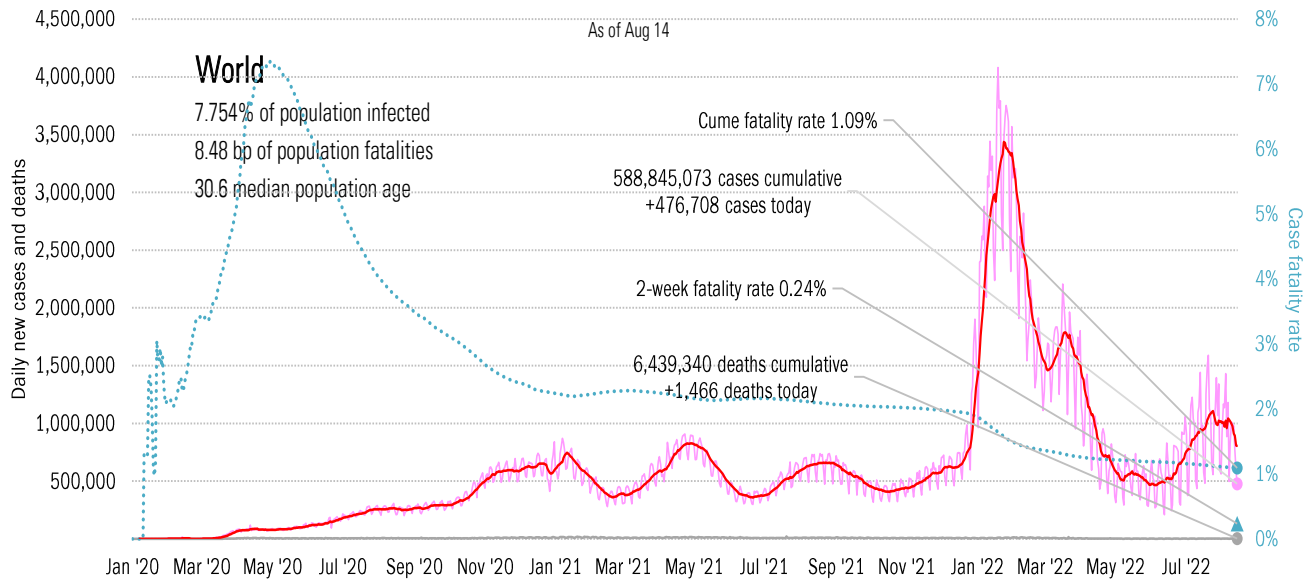
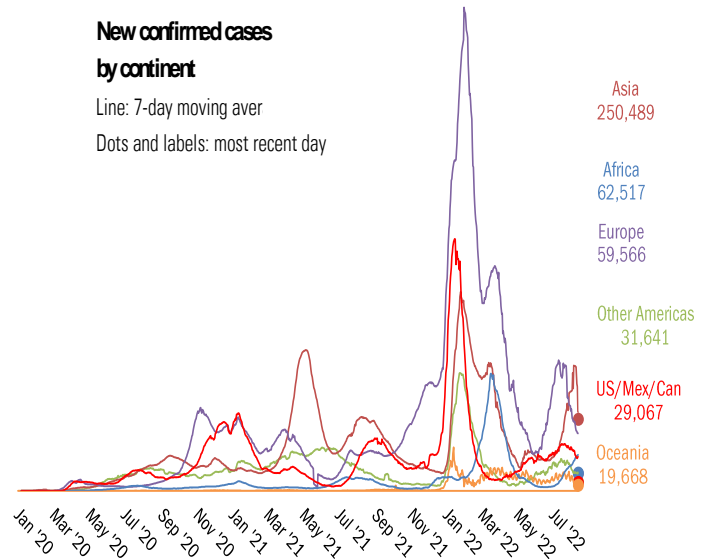
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	178,292	United States	625
United States	158,097	Japan	153
Korea, South	62,078	Argentina	126
Argentina	31,198	Iran	83
Russia	28,553	Italy	78
Taiwan*	21,074	Russia	54
Italy	19,455	Korea, South	50
Australia	15,543	Philippines	44
India	14,917	India	32
Chile	10,442	Thailand	30
539,649		1,275	
World	476,708	World	1,466
Top ten	113%	Top ten	87%

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

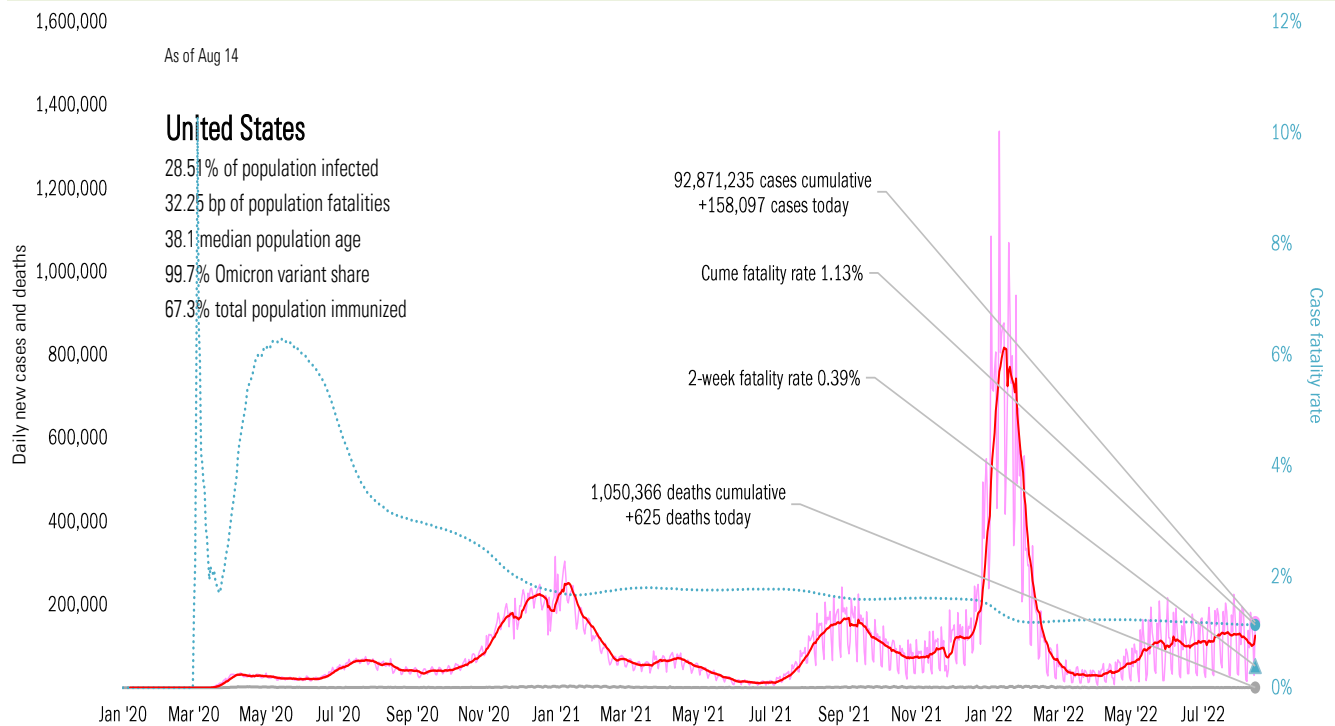
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
PA	19,078		FL	73		TX	598		CA	10,901,310		CA	94,119		TX	529,628		RI	90%	AK	86%
CA	17,842		CA	69		FL	652		TX	7,699,288		TX	89,767		CA	479,676		MA	87%	WA	84%
FL	17,817		AL	52		KY	138		FL	6,924,240		FL	78,600		FL	474,640		WA	85%	AL	83%
TX	14,313		WA	49		CA	573		NY	5,906,949		NY	70,693		NY	285,950		GA	84%	TX	83%
MO	8,602		IN	40		GA	253		IL	3,620,877		PA	46,374		GA	219,028		MO	83%	MA	82%
KS	6,340		TX	40		LA	127		PA	3,125,967		GA	39,319		CH	209,055		MN	83%	NC	82%
IN	5,165		NY	35		VA	125		NC	3,047,625		CH	39,220		PA	195,231		DE	83%	DC	82%
NC	4,461		IL	29		WA	109		CH	3,002,043		IL	39,108		IL	178,380		MD	82%	ND	82%
WA	3,776		GA	21		PA	228		GA	2,803,517		MI	37,671		MI	155,700		WV	82%	GA	81%
OK	3,739		NE	20		MN	88		MI	2,708,622		NJ	34,404		KY	140,600		DC	82%	OR	80%
101,133			428			2,891			49,740,438			569,275			2,867,888						
All states	158,097		625		5,948		All states	92,871,235		1,050,366		5,203,603		All states	70%	67%					
Top ten	64%		68%		49%		Top ten	54%		55%		55%		Median	75%	71%					

Some states not reporting

Five most improved US states

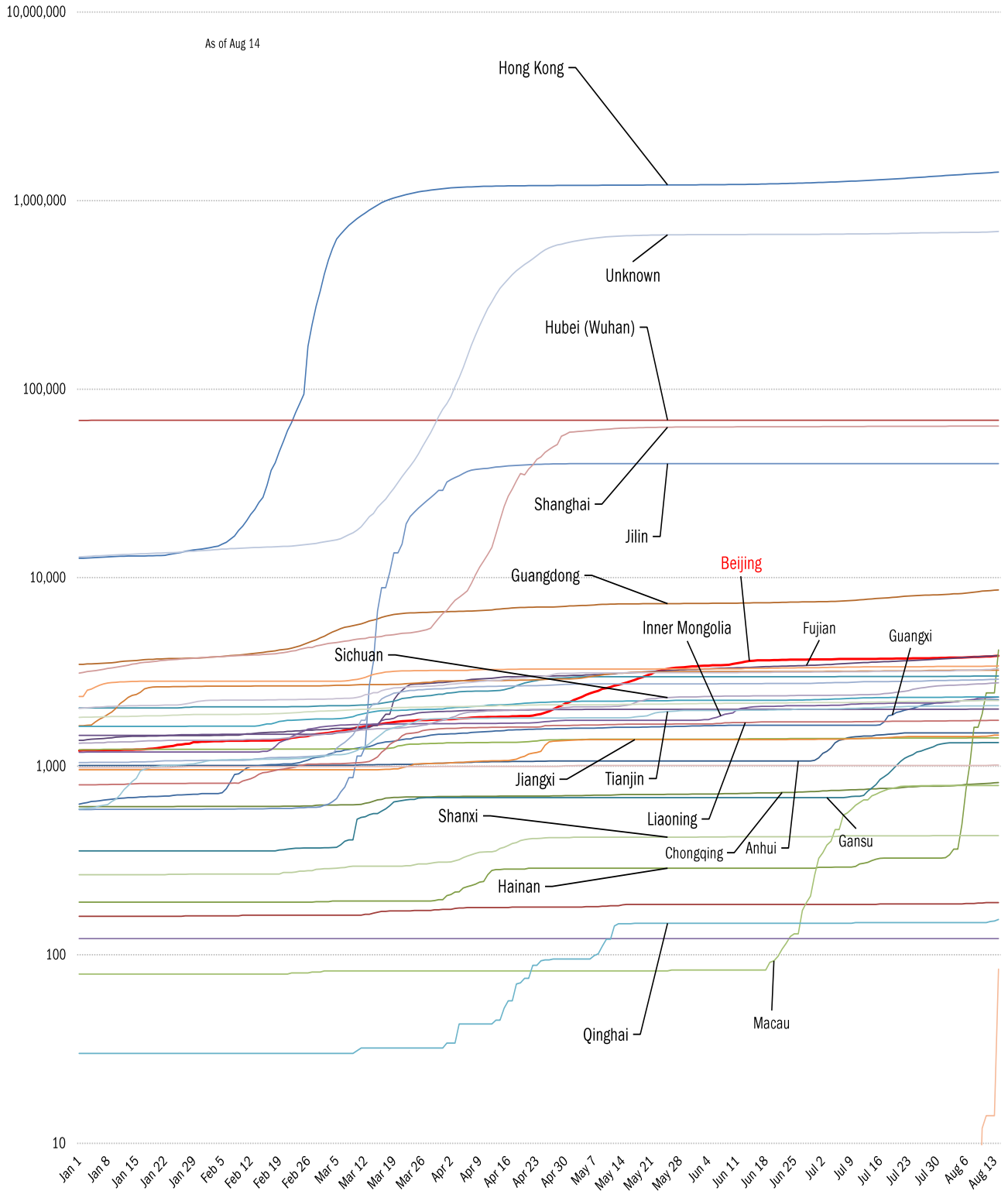
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NJ	-1,166	NJ	-4	IL	-49
AR	-454	AK	0	SC	-34
NY	-425	AL	0	WV	-26
CT	-222	AR	0	AL	-16
AK	0	AZ	0	CO	-16



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"

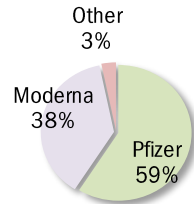


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	621,444,280		+0.283 million		US	67.3%	78.9%	
of which boosters	109,972,682		+0.058 million		UK	75.1%	79.9%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.6%	80.9%
Total population	270,117,600	81%	229,954,609	69%	+0.075 million	Spain	85.5%	86.9%
Age 12 to 17	18,064,522	71%	15,437,321	61%	+0.004 million	Germany	76.0%	77.6%
Age 18 to 64	180,518,346	89%	153,379,710	75%	+0.053 million	Italy	81.0%	85.8%
Age 65 and over	59,627,302	100%	52,161,862	95%	+0.006 million	Australia	83.9%	86.5%
						Israel	66.2%	72.3%
						Canada	82.6%	86.0%
						Japan	82.3%	83.5%
						Africa	21.4%	27.5%
						India	66.6%	72.7%
						Brazil	79.8%	86.8%
						China	89.0%	91.3%



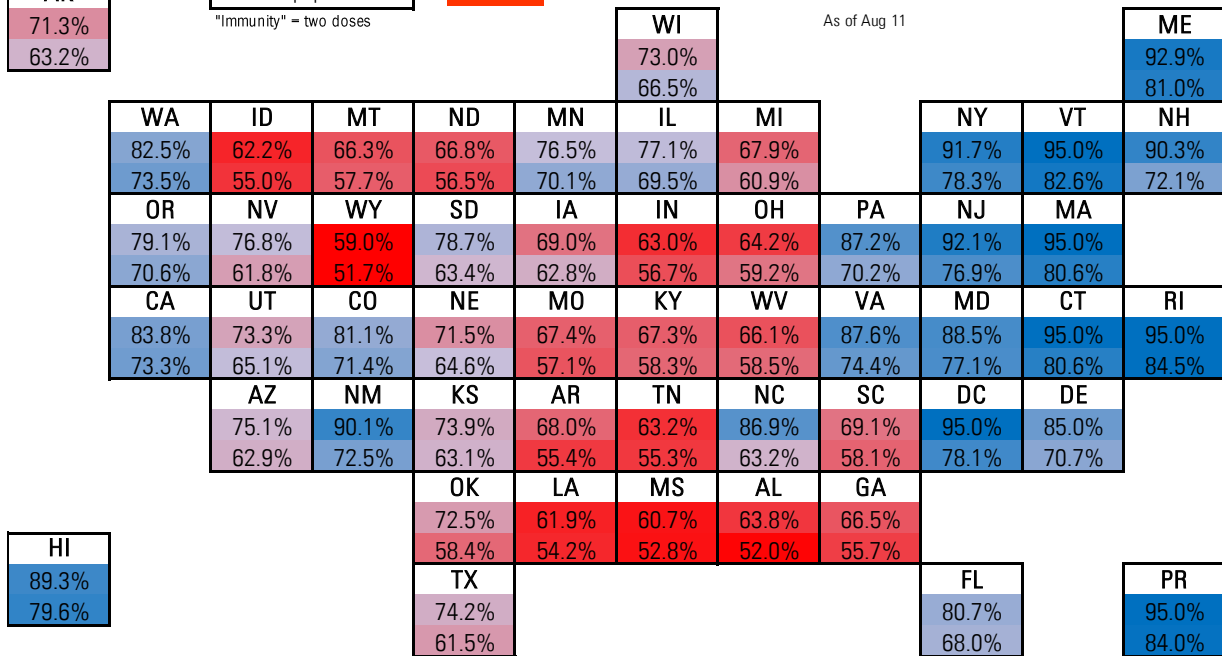
AK
71.3%
63.2%

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

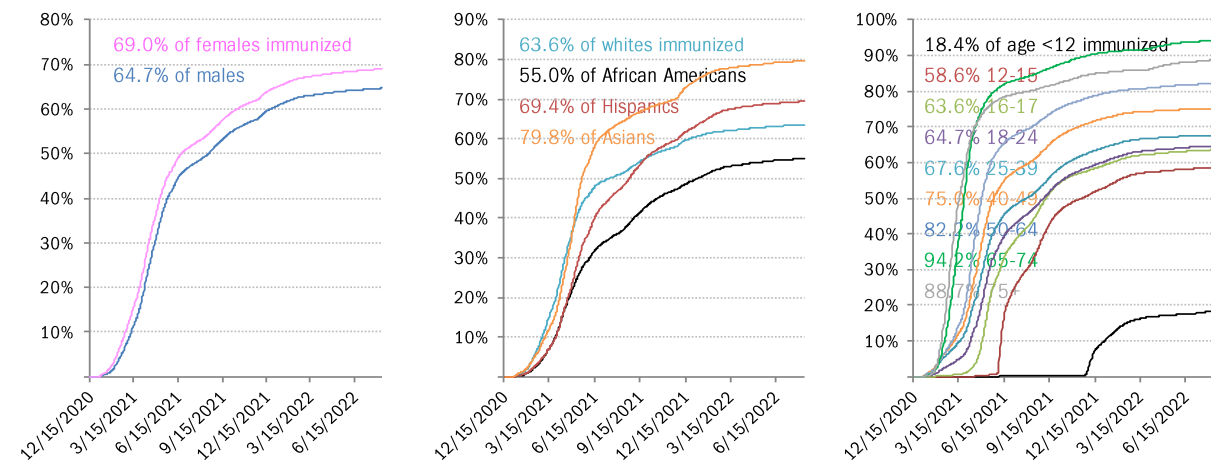
"Immunity" = two doses

Best
Middle
Worst

Global data differs due to sources, timing



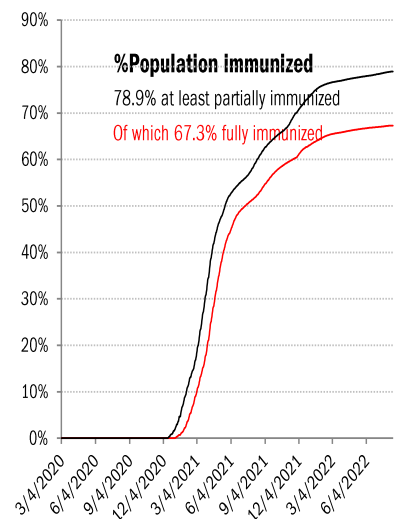
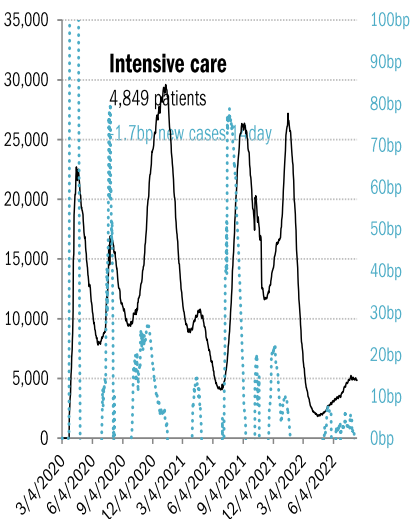
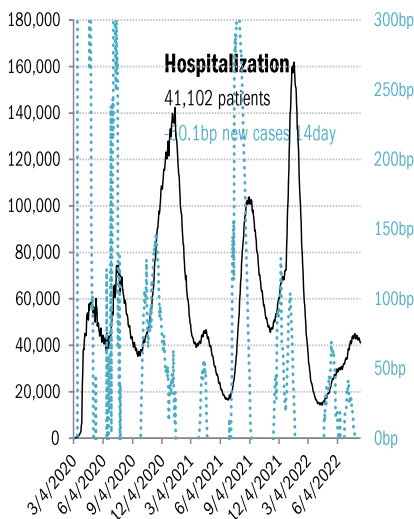
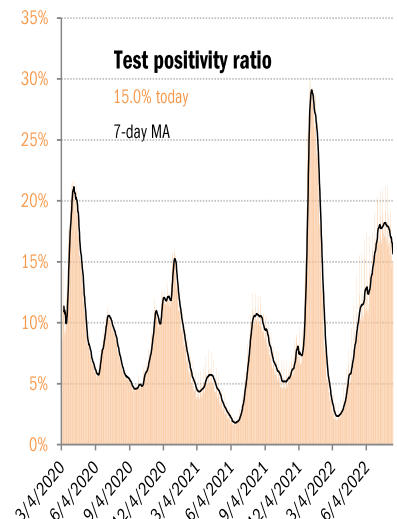
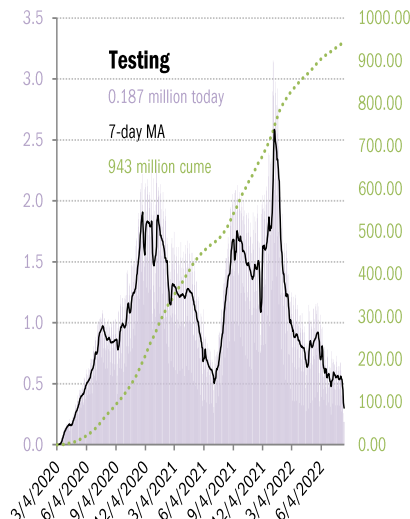
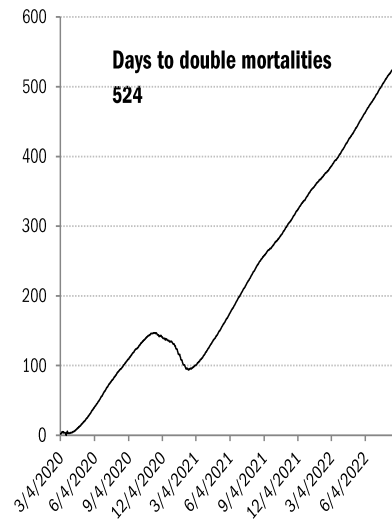
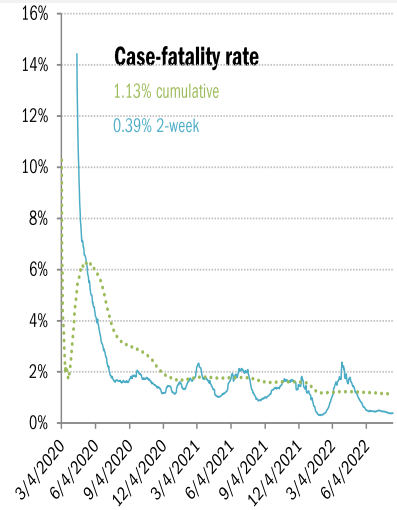
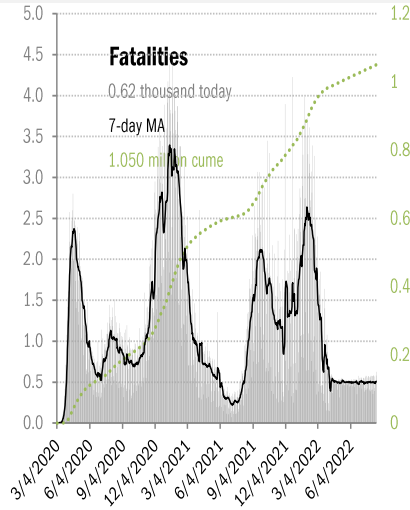
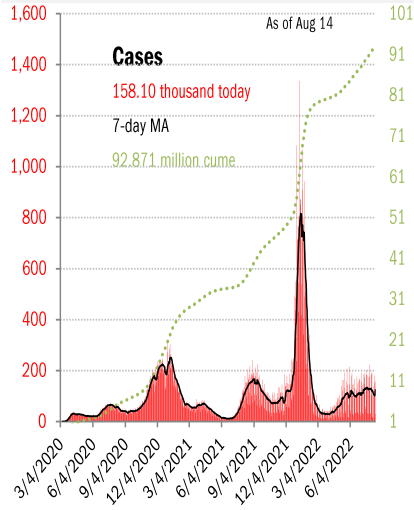
The demographics of US vaccination



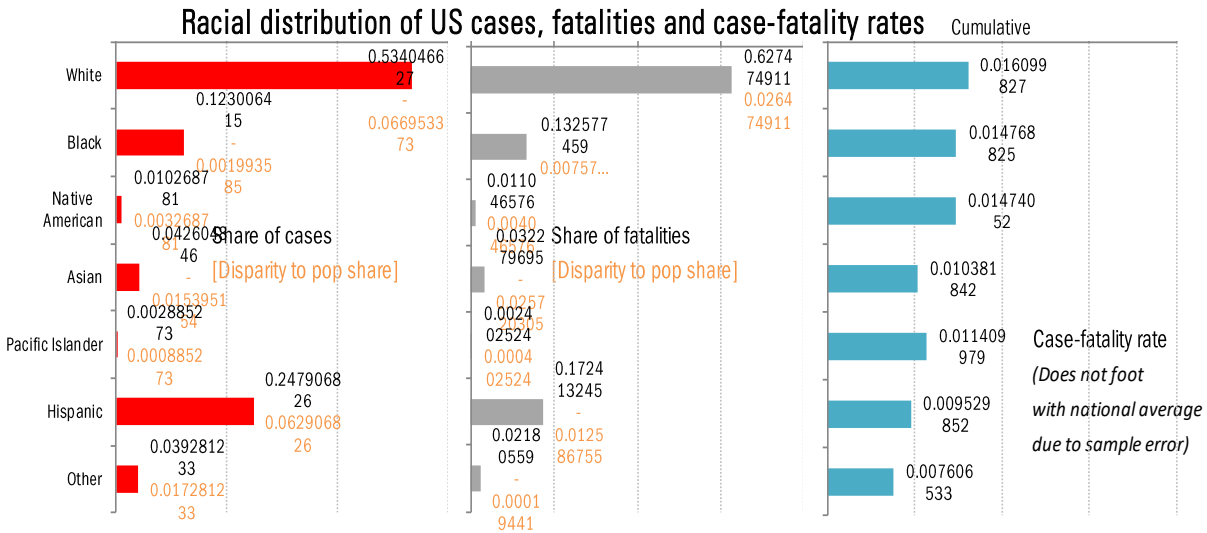
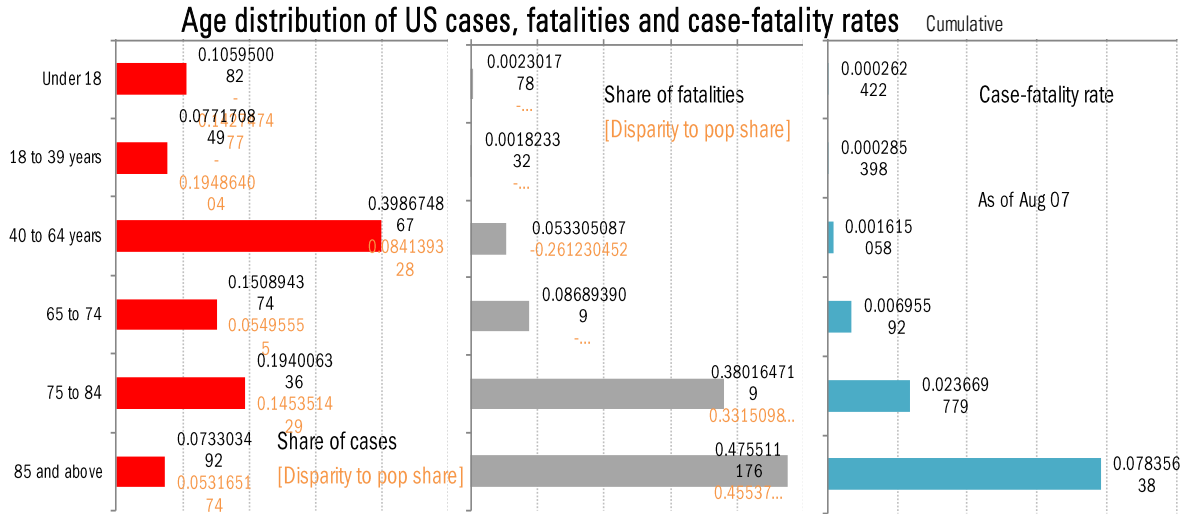
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

National and state-by-state data do not line up because of different sources

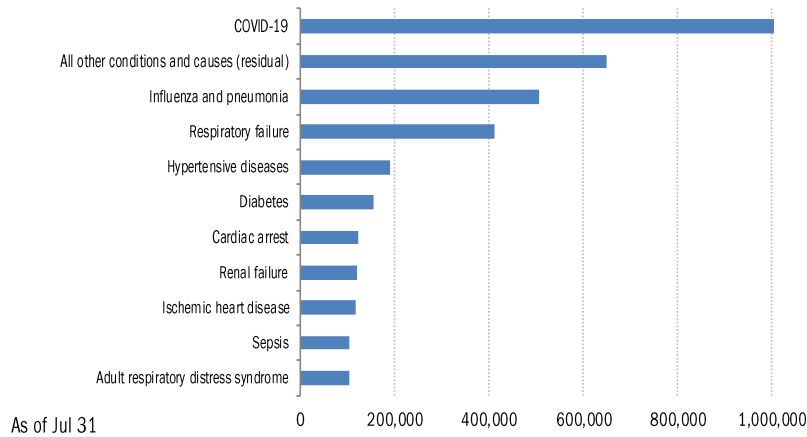


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



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

[Virus discovered in China carried by shrews unlikely to become the next COVID, scientists suggest](#)

Carl Samson
Yahoo News
August 13, 2022

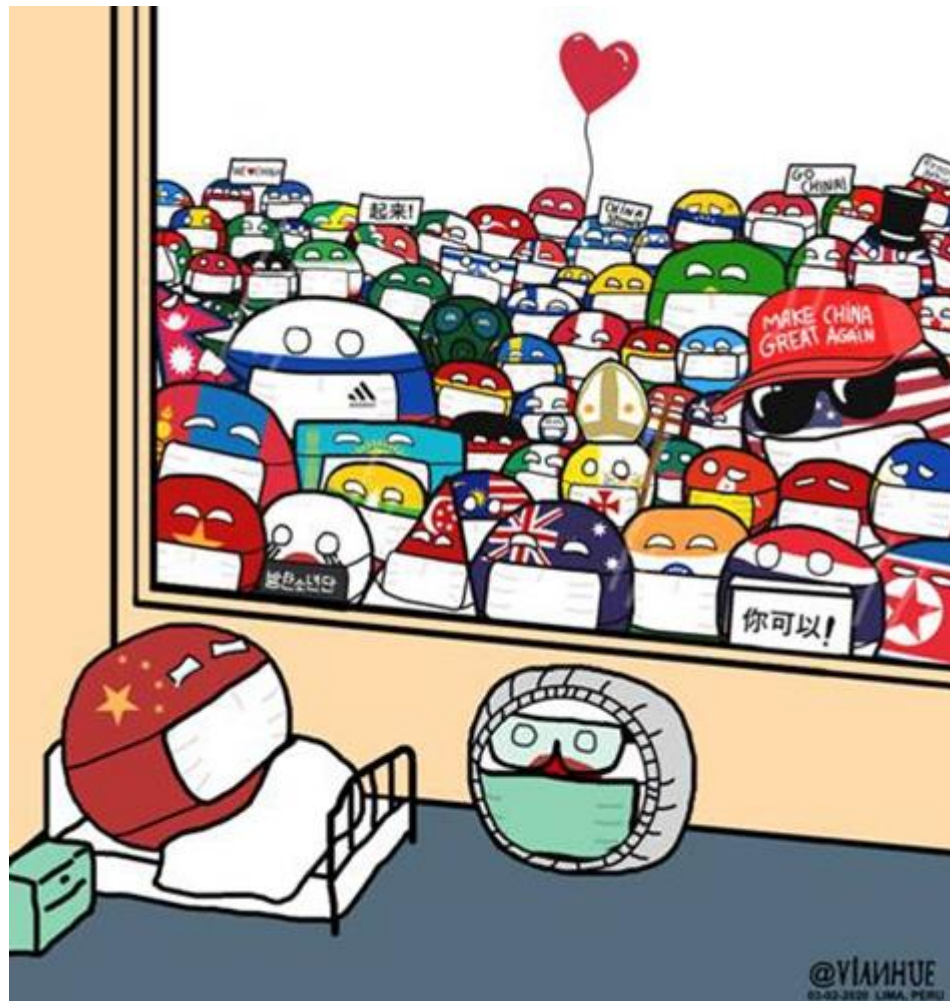
[Don't travel around zero-Covid China – my family's Hainan holiday nightmare shows why](#)

Wang Xiangwei
South China Morning Post
August 13, 2022

[China's economy slows unexpectedly as Covid outbreaks and property crisis bite](#)

Reuters
August 15, 2022

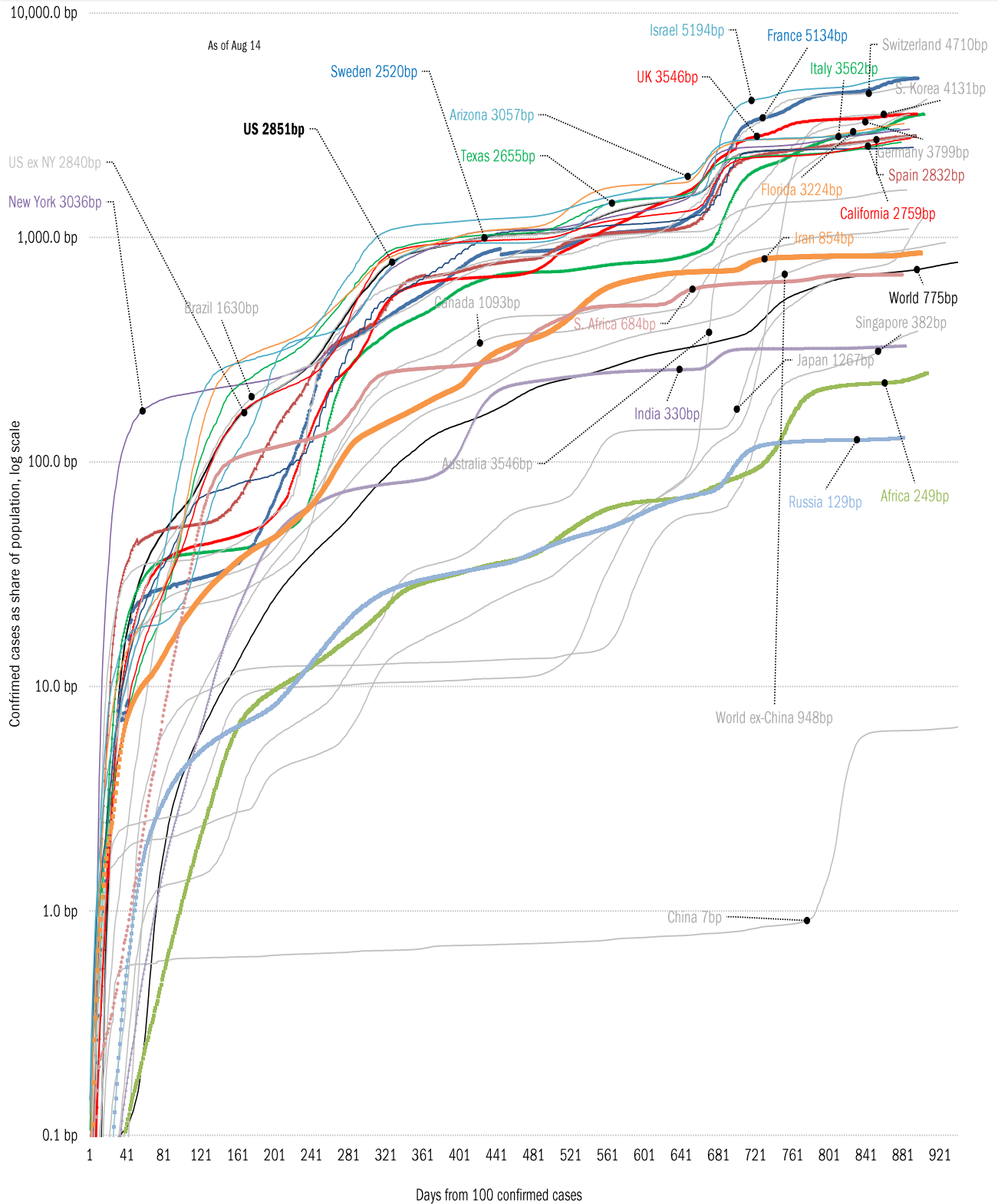
Meme of the day



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

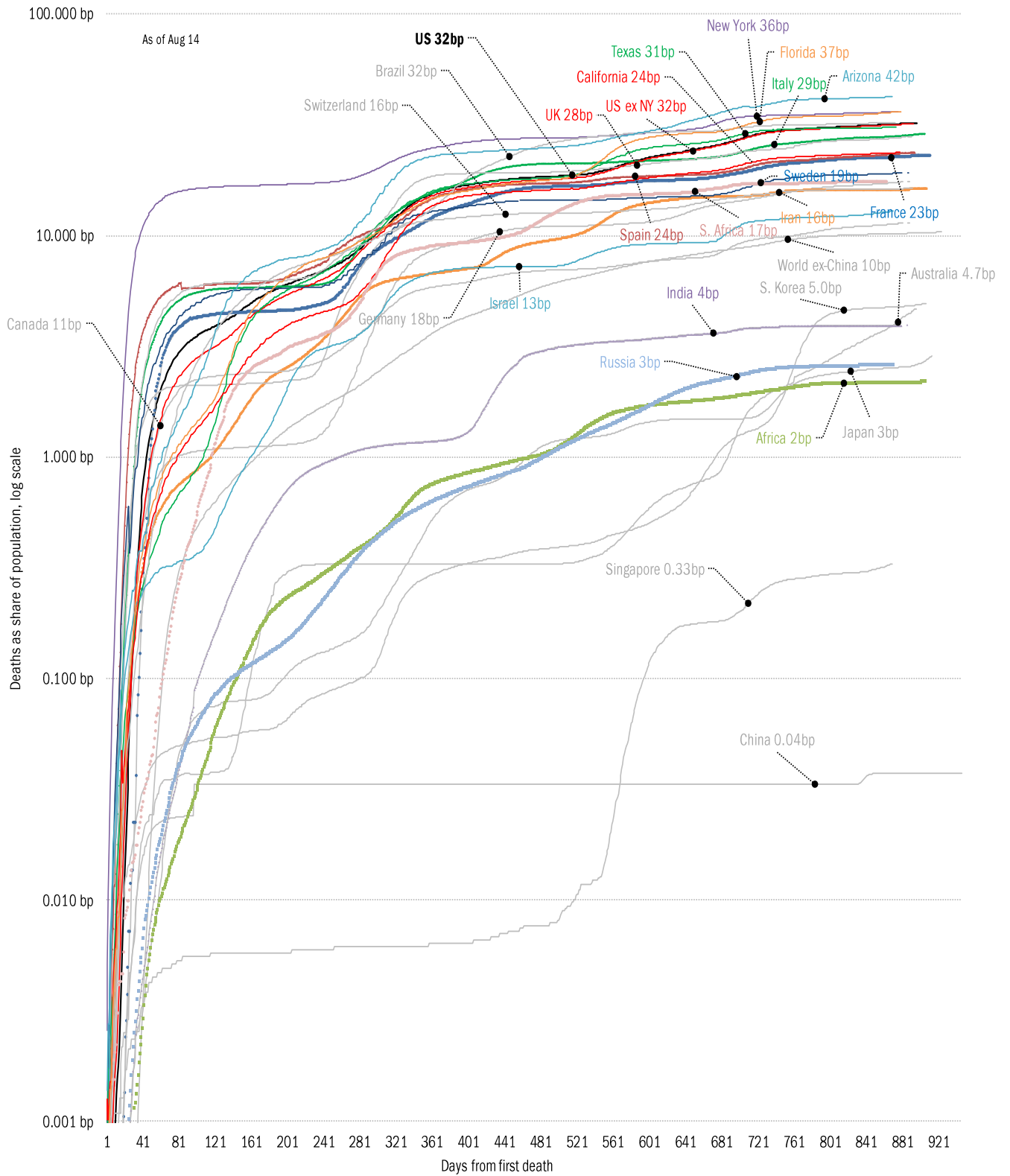
The global coronavirus case accelerometer... tracking the world's infection curves

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

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

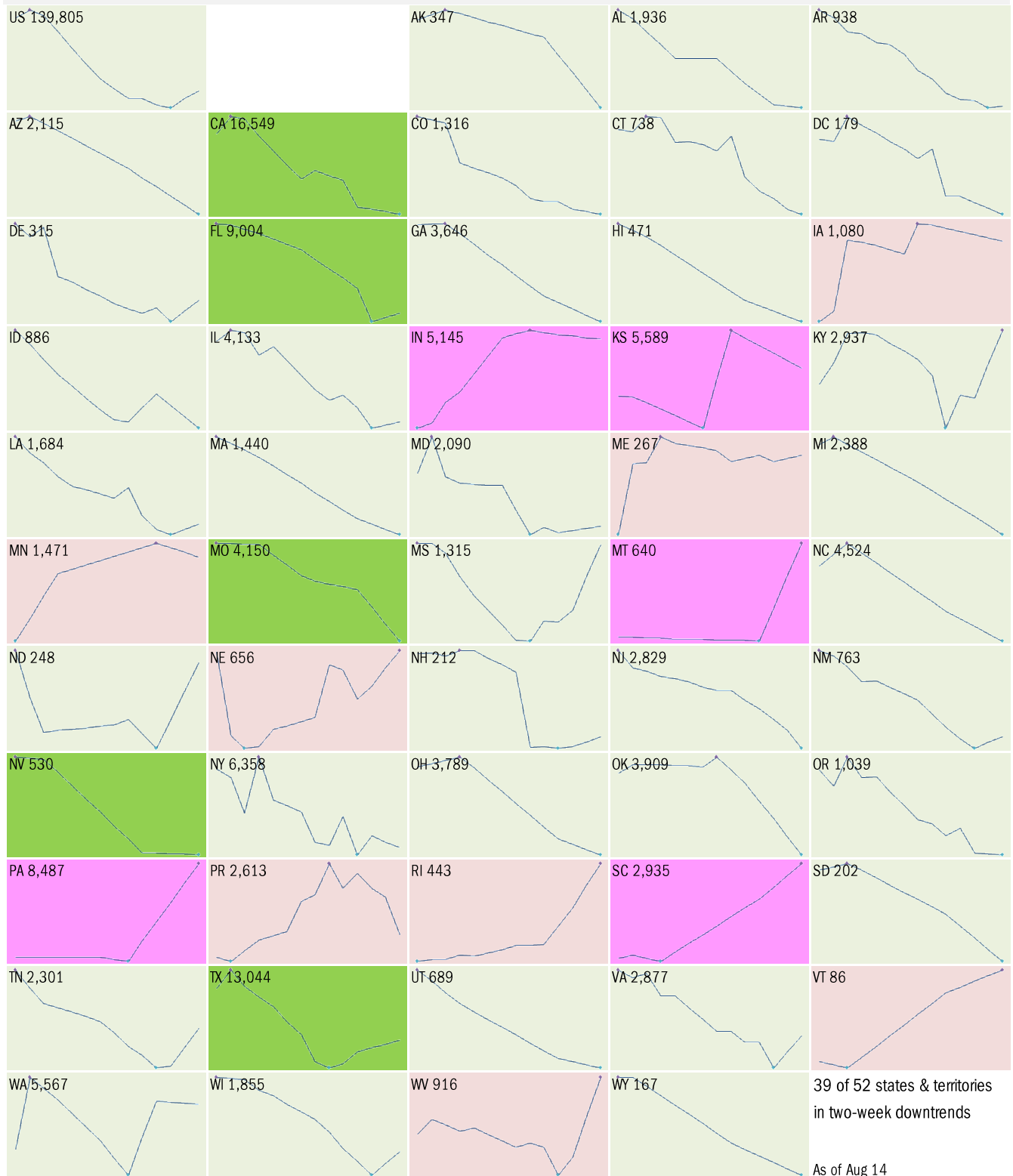


Source: [Johns Hopkins](#), TrendMacro calculations

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

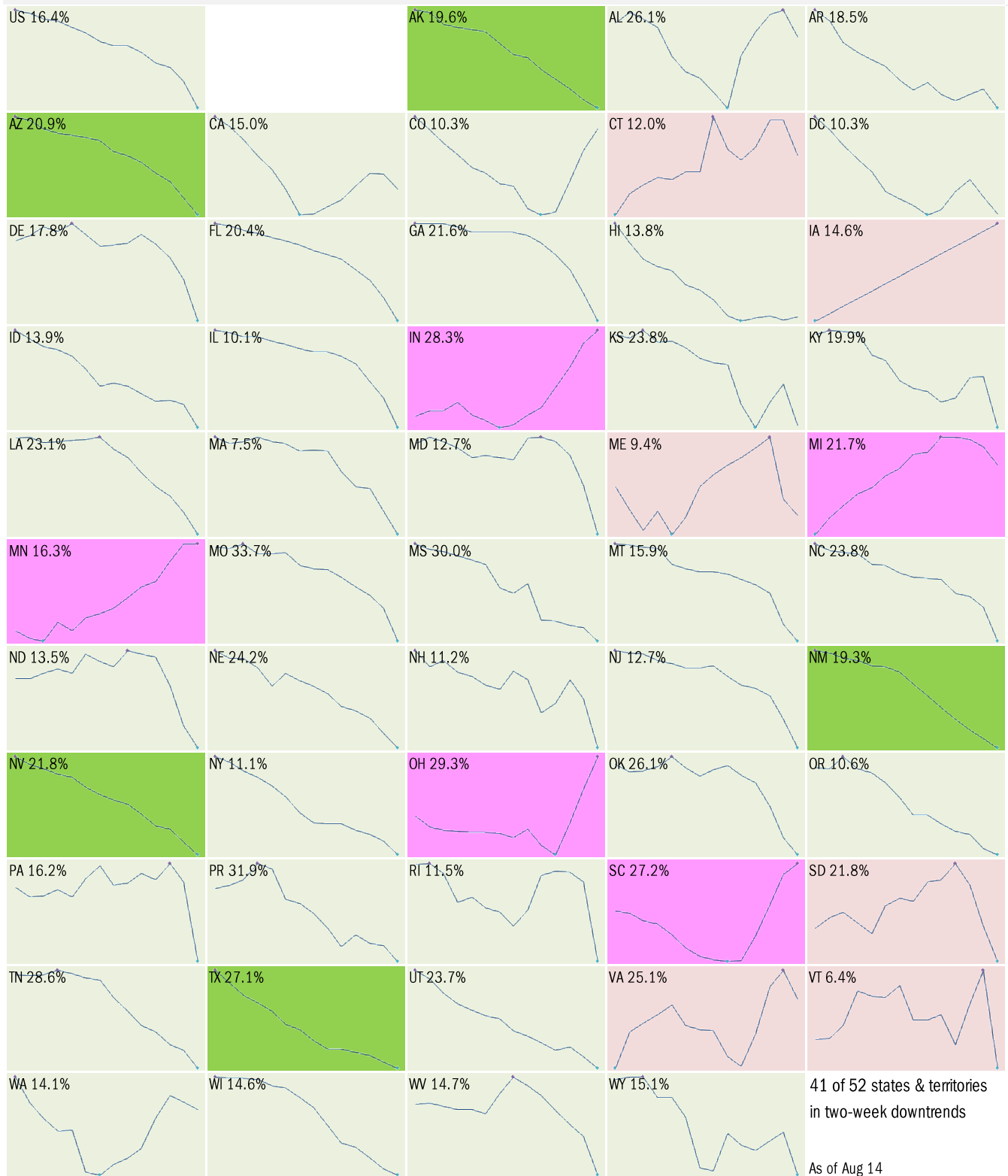


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

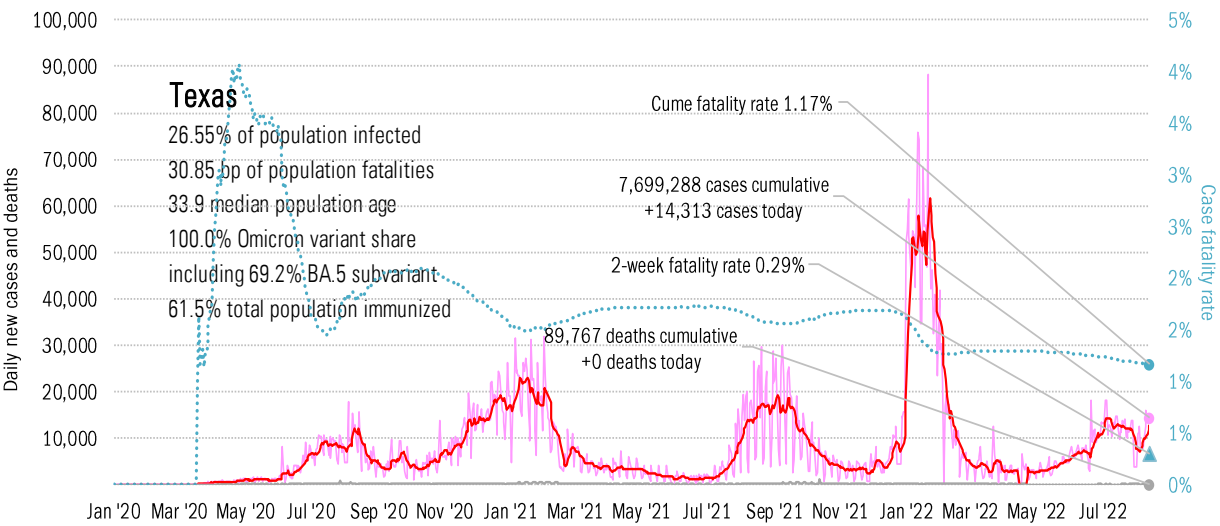
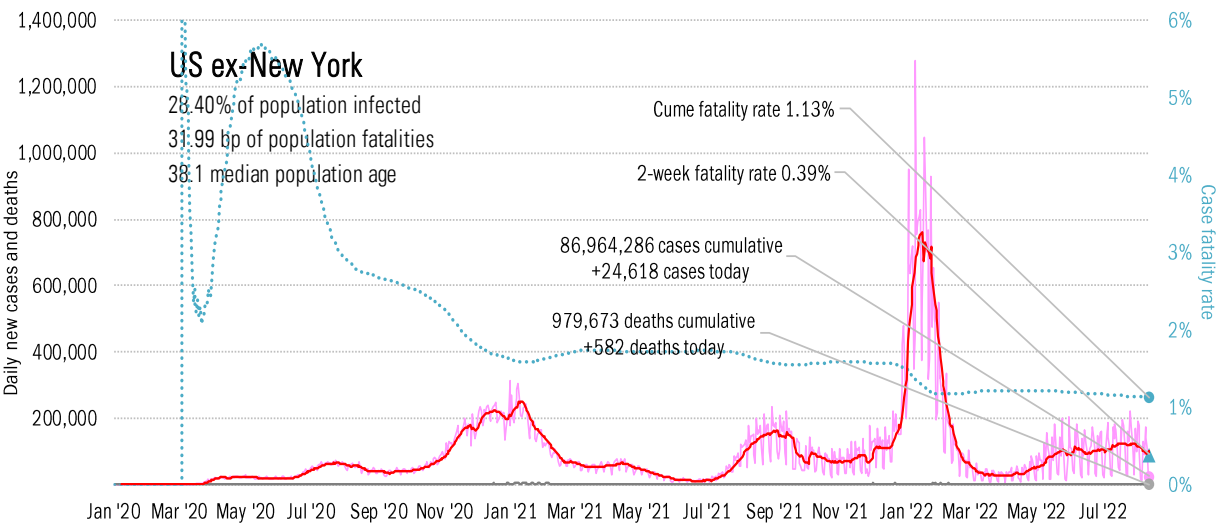
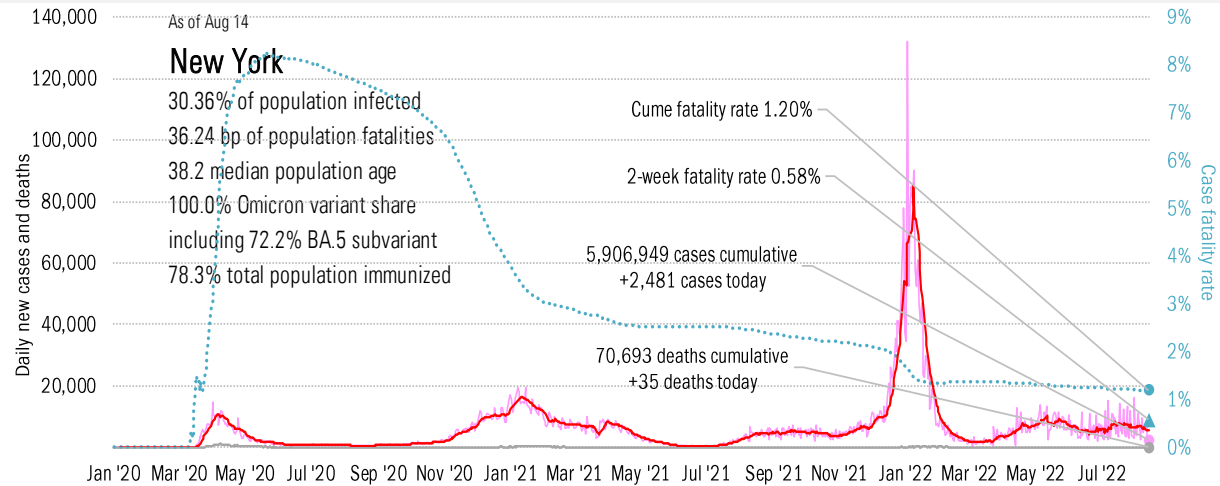
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

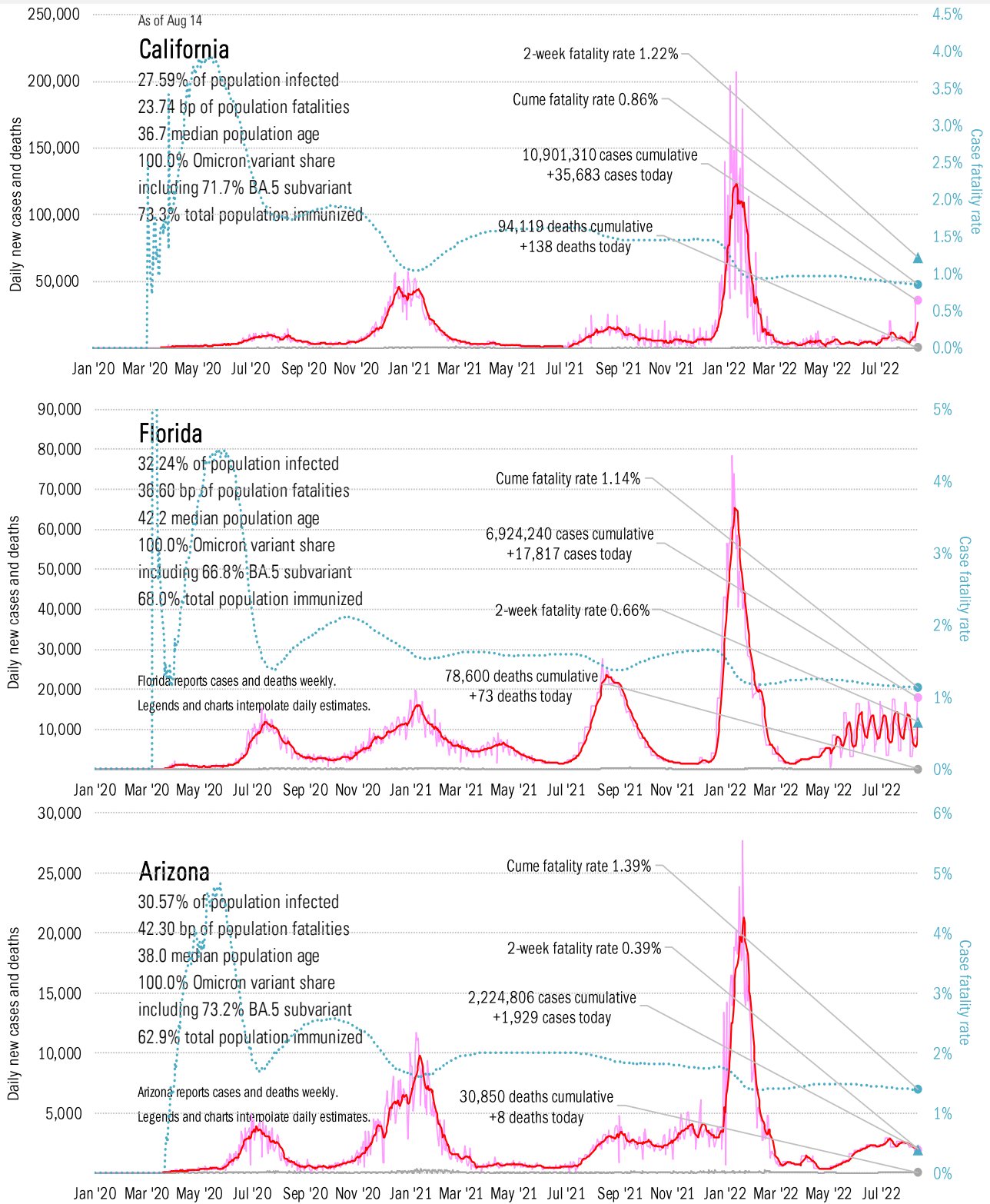
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

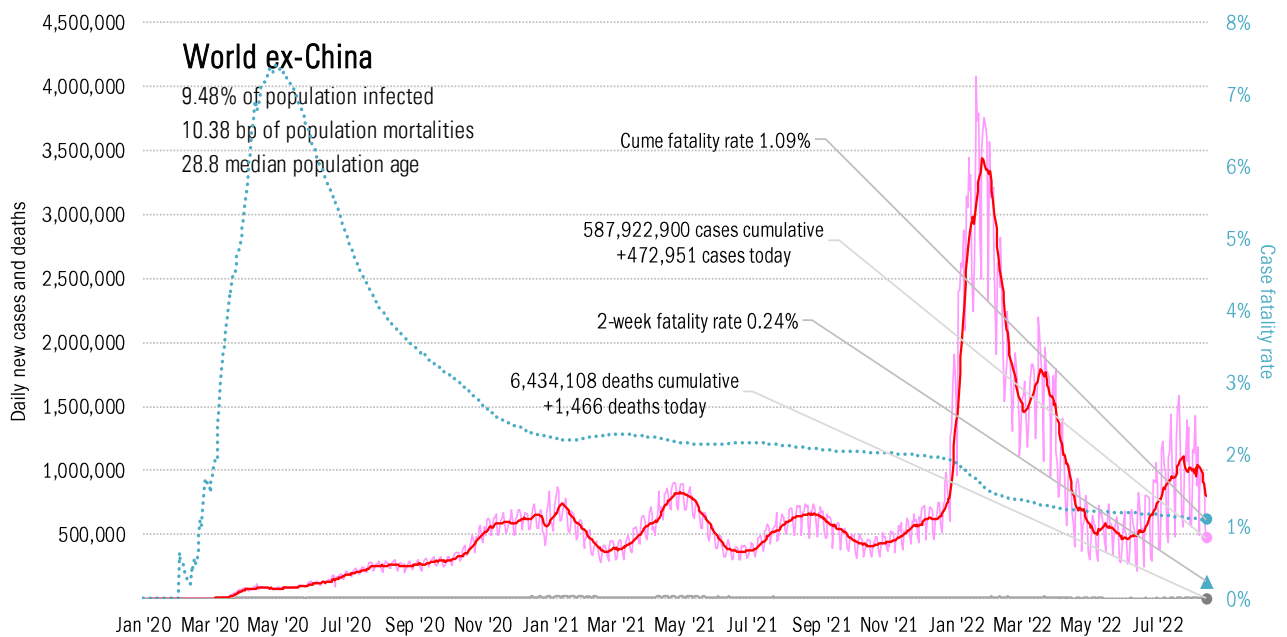
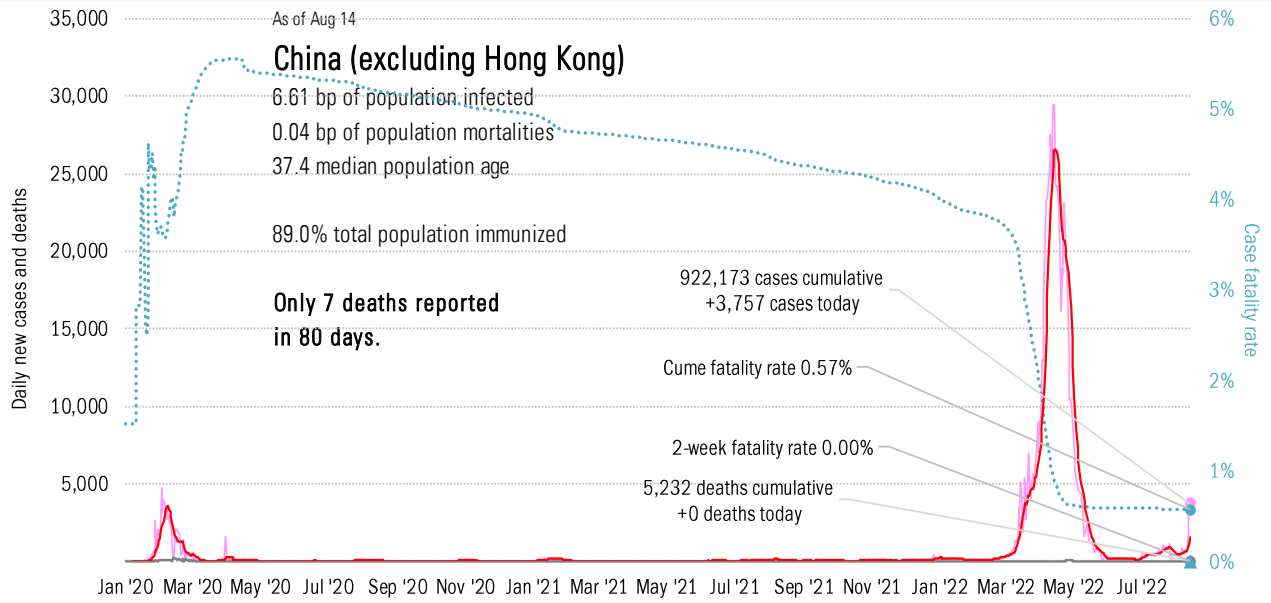
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

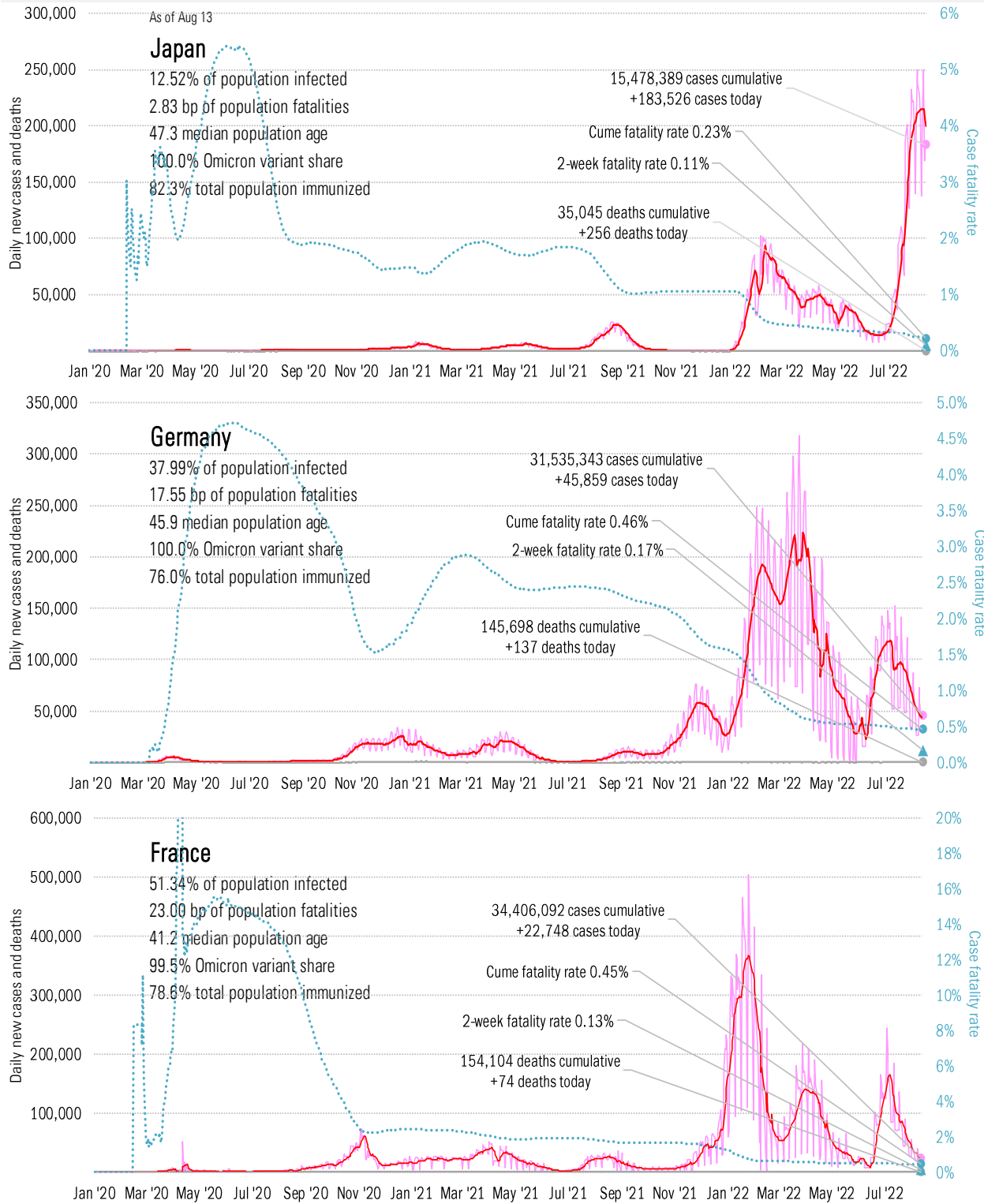
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

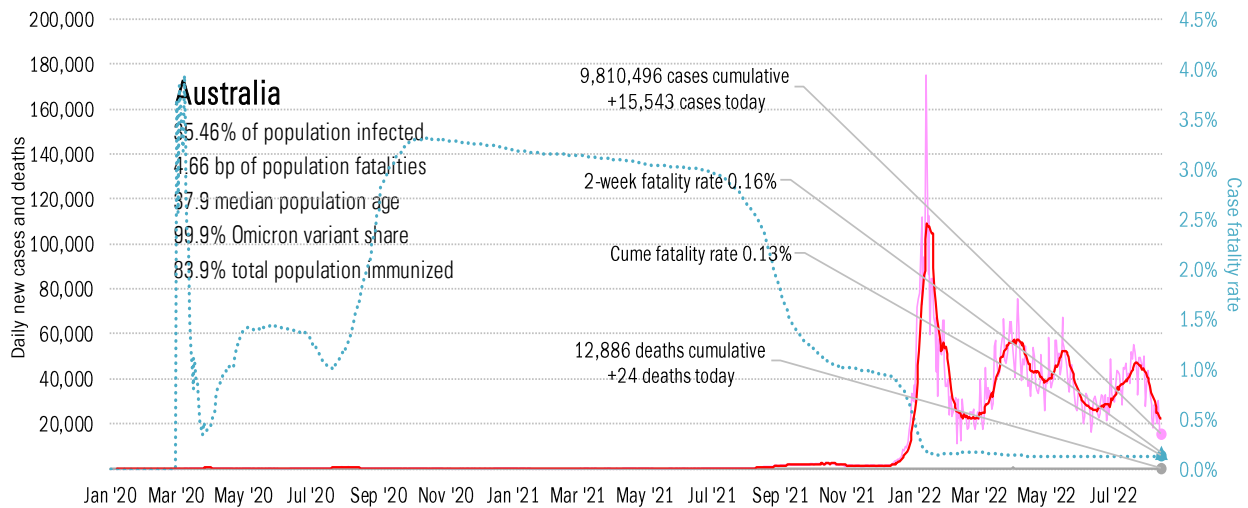
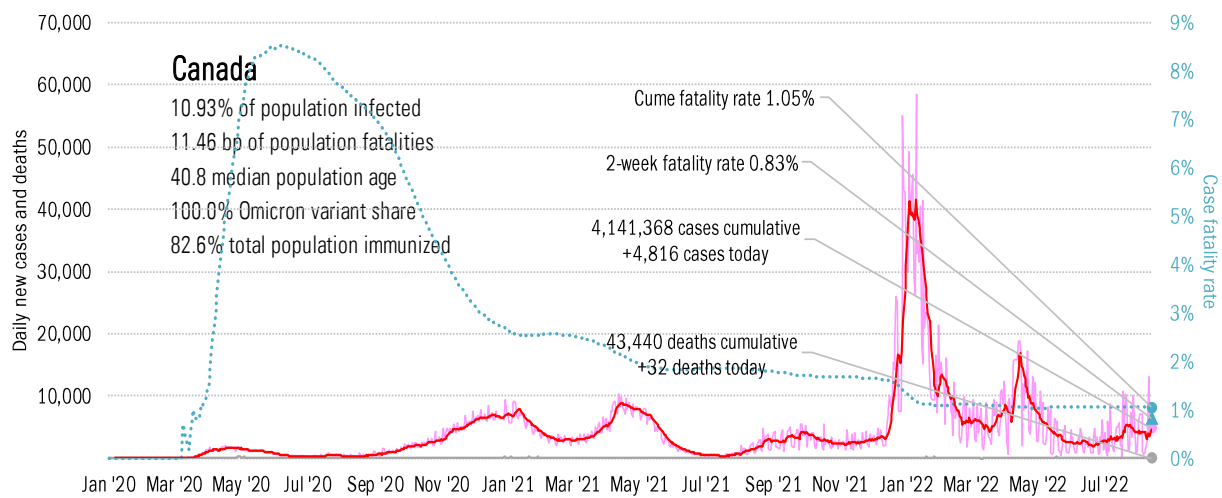
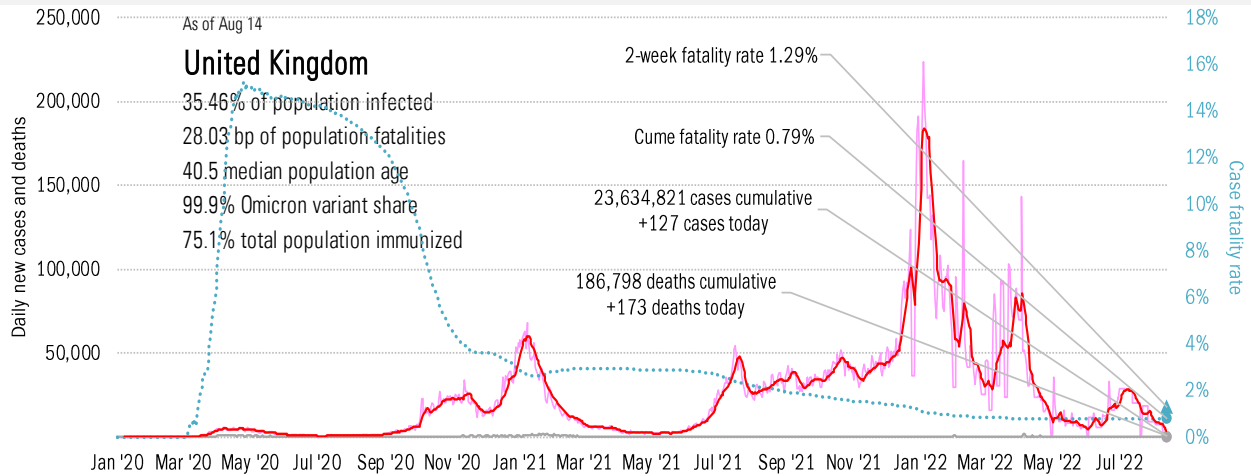
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

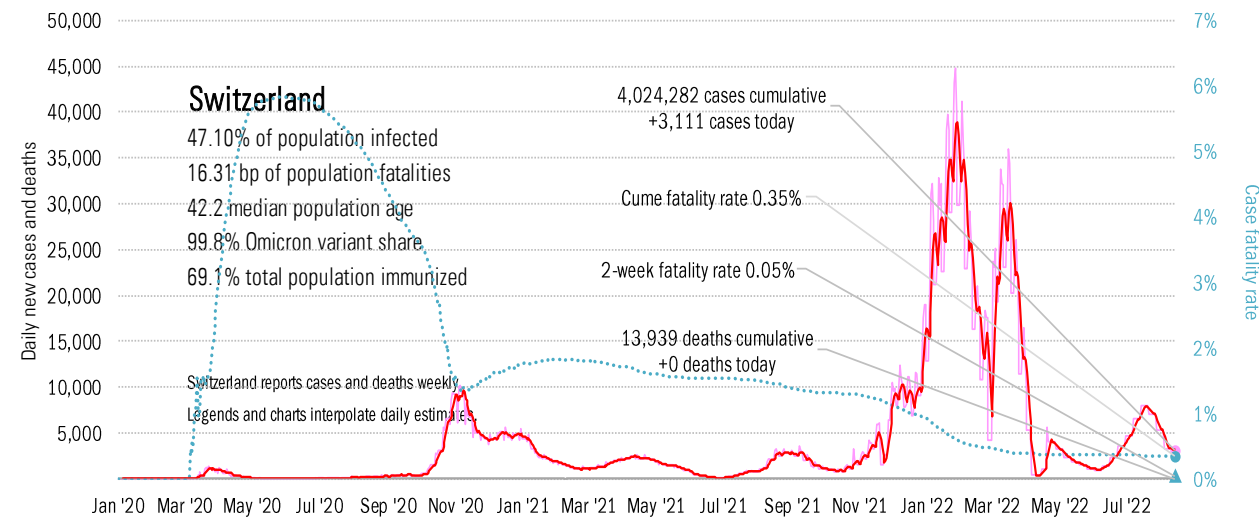
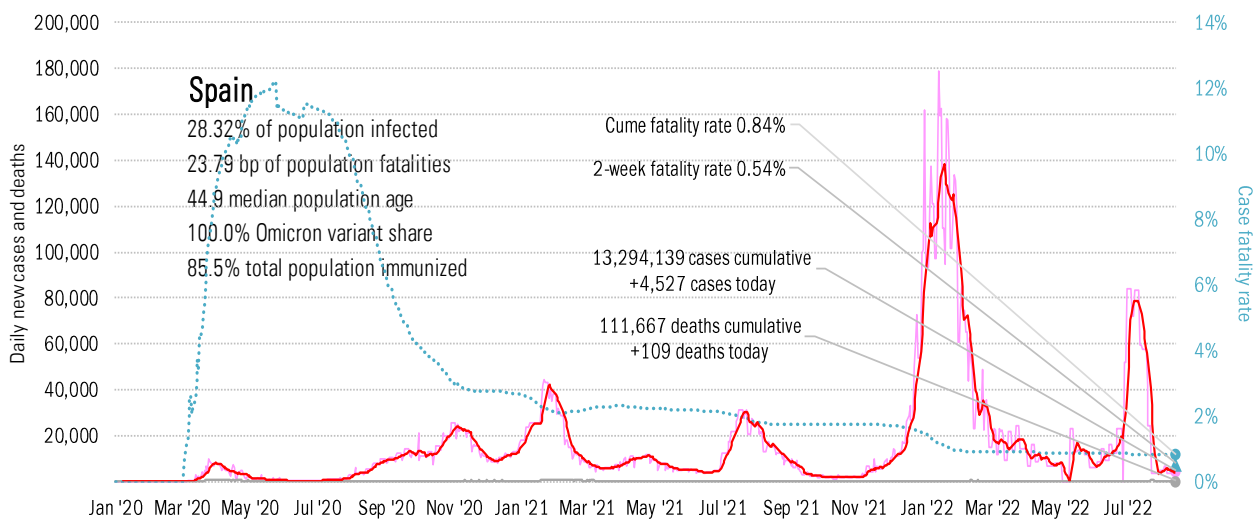
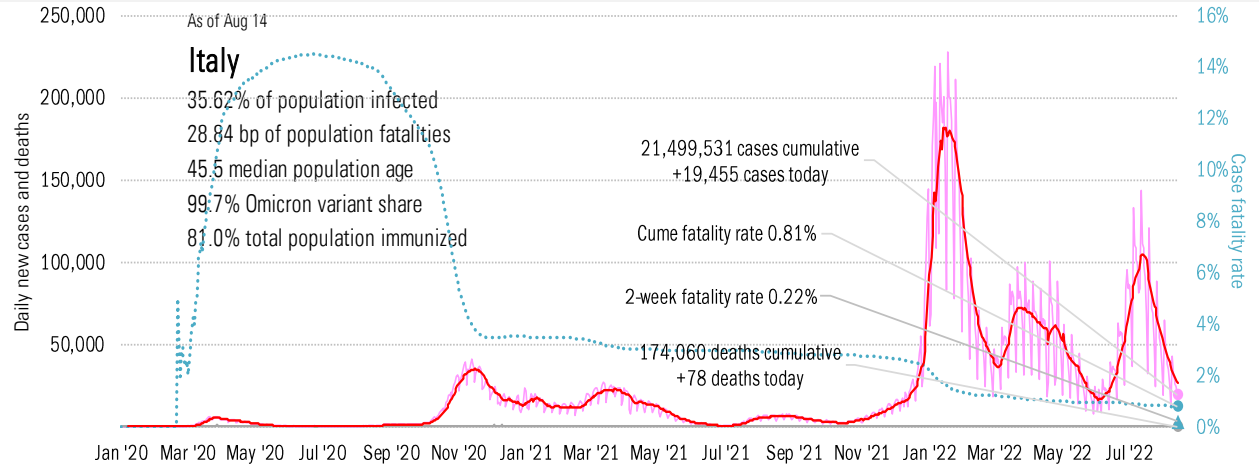
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

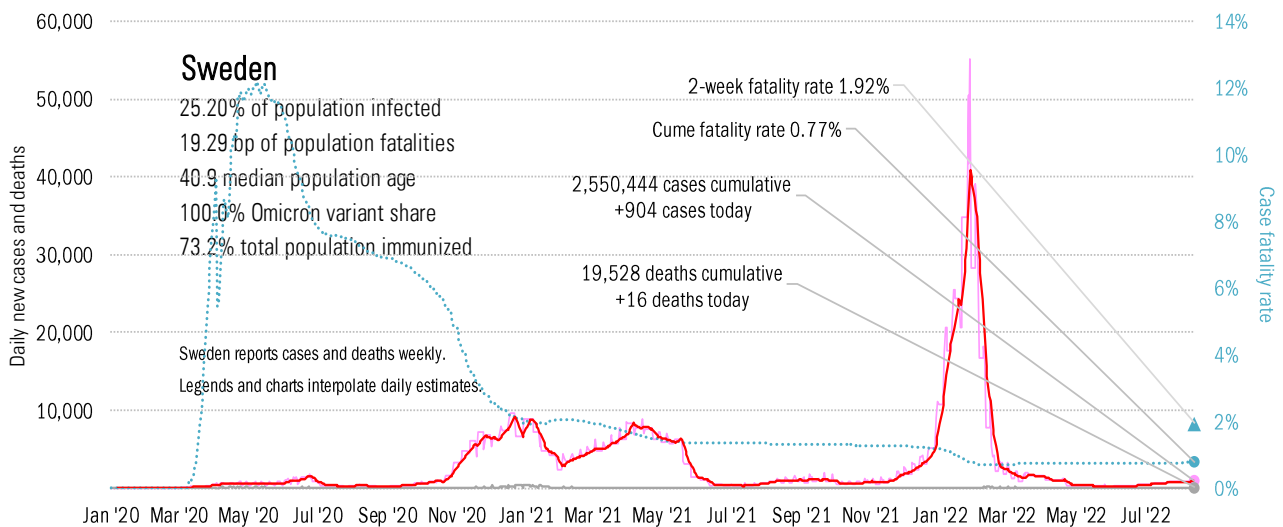
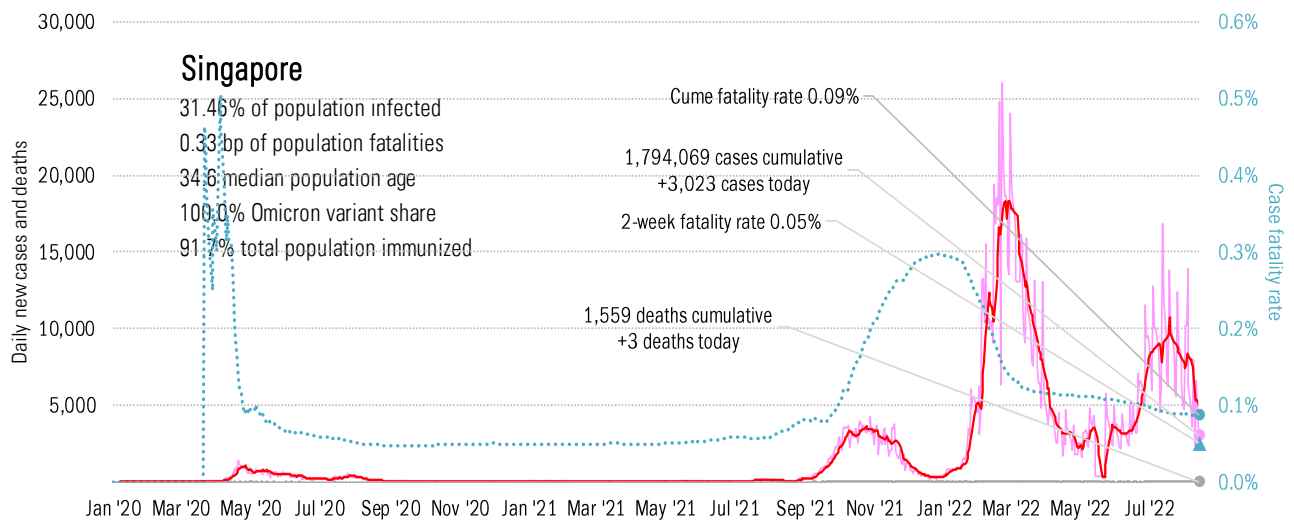
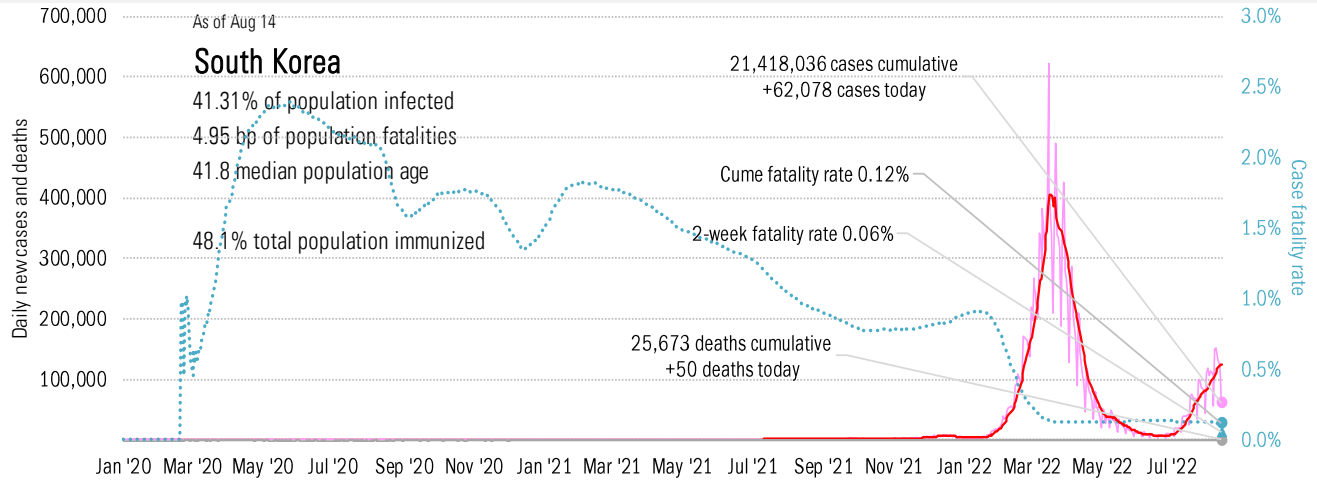
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

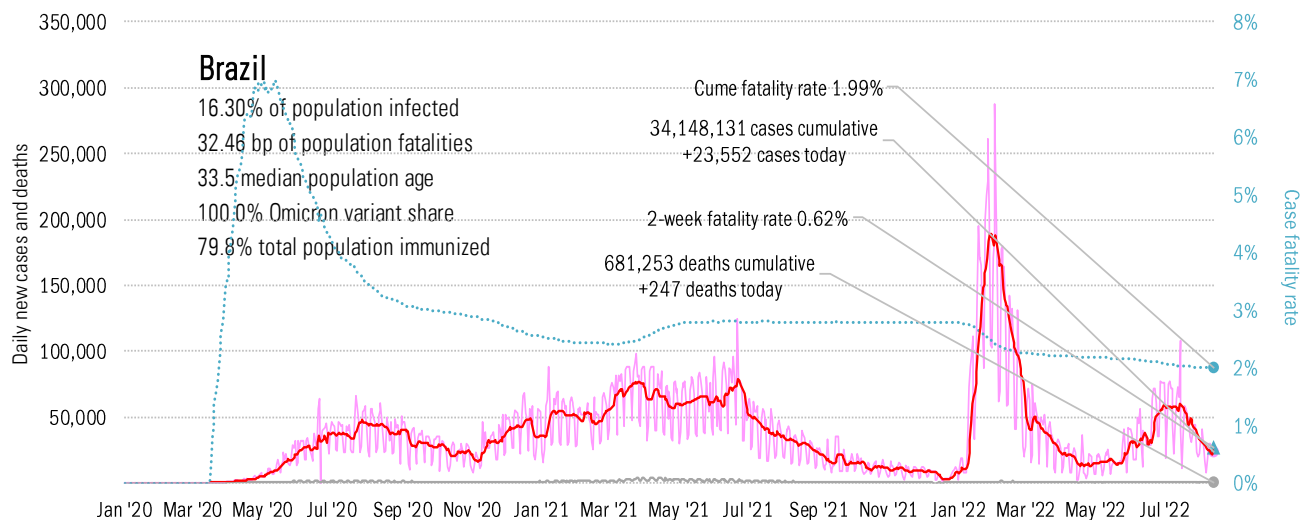
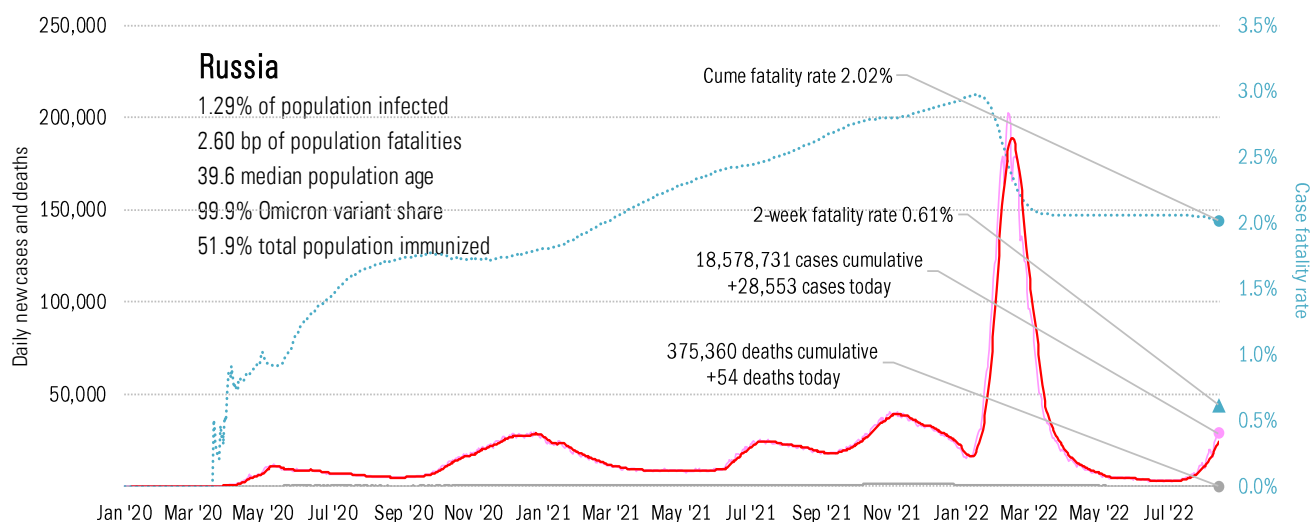
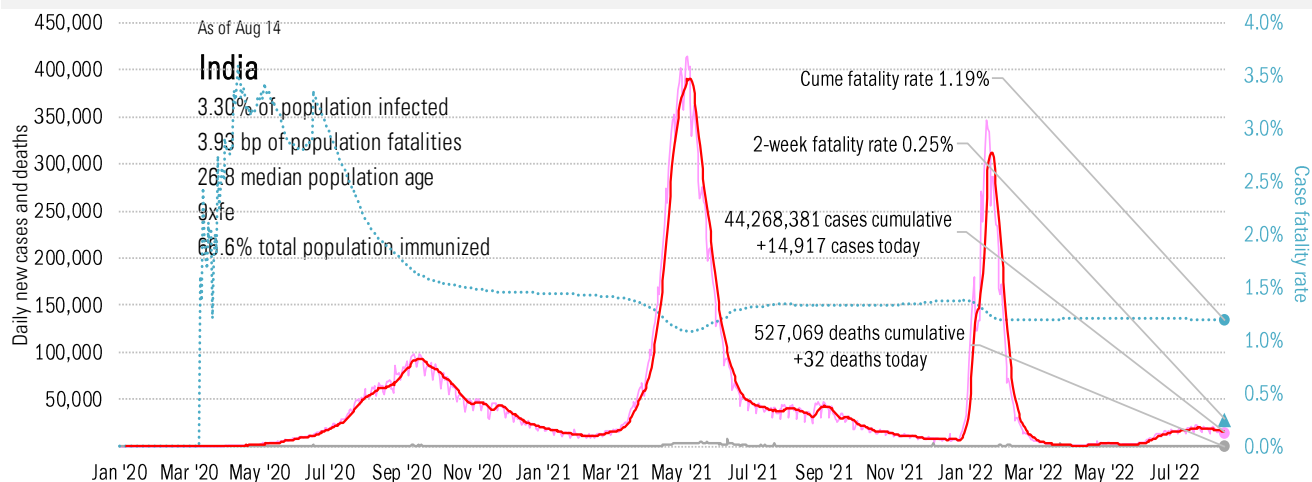
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

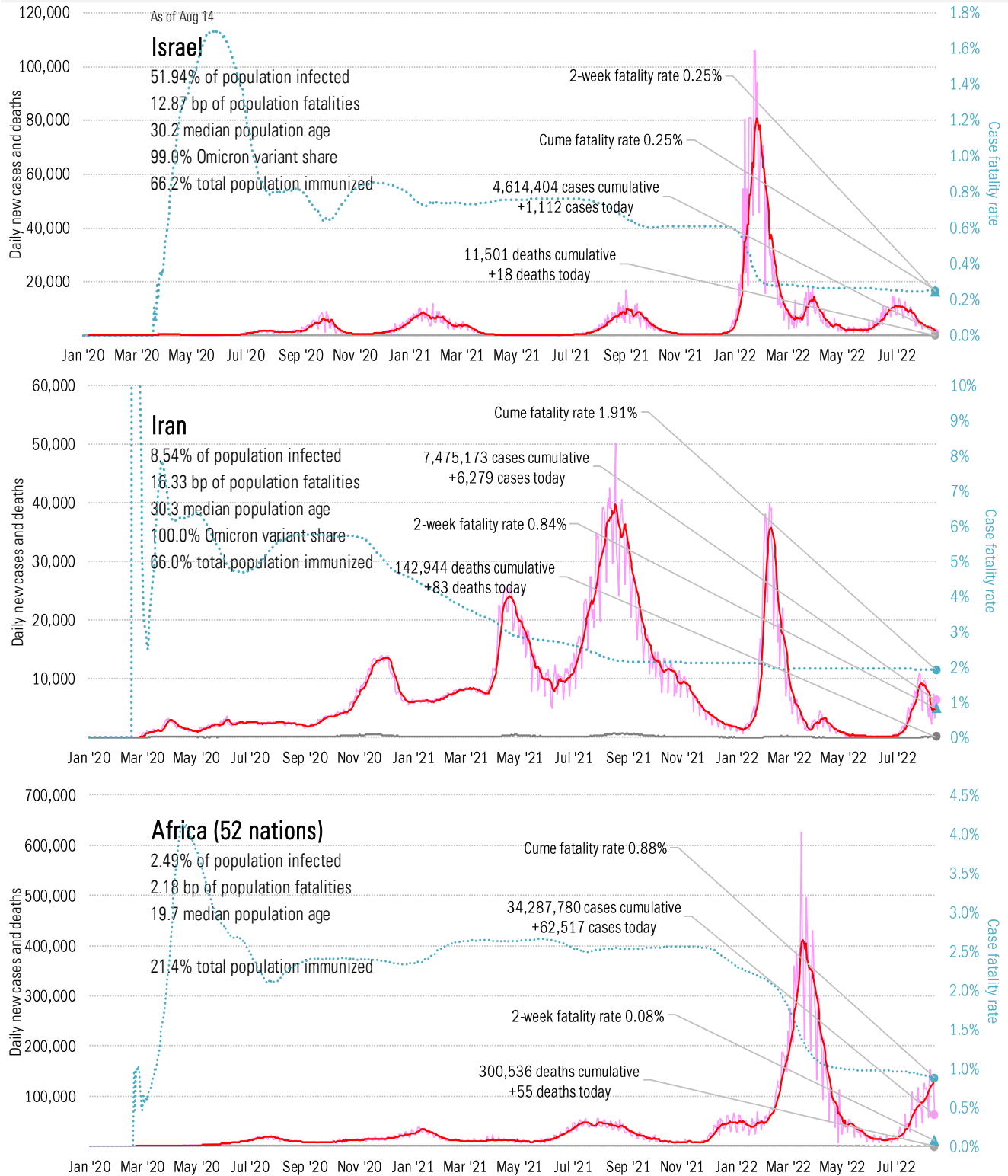
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

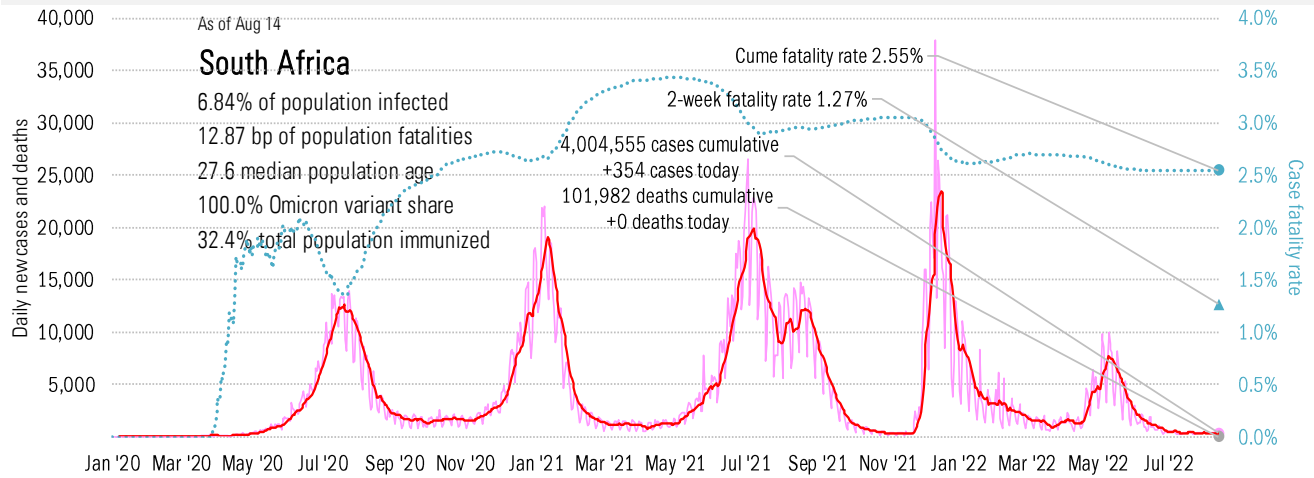
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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