

Data Insights: Covid-2019 Monitor

Saturday, August 20, 2022

The global scorecard

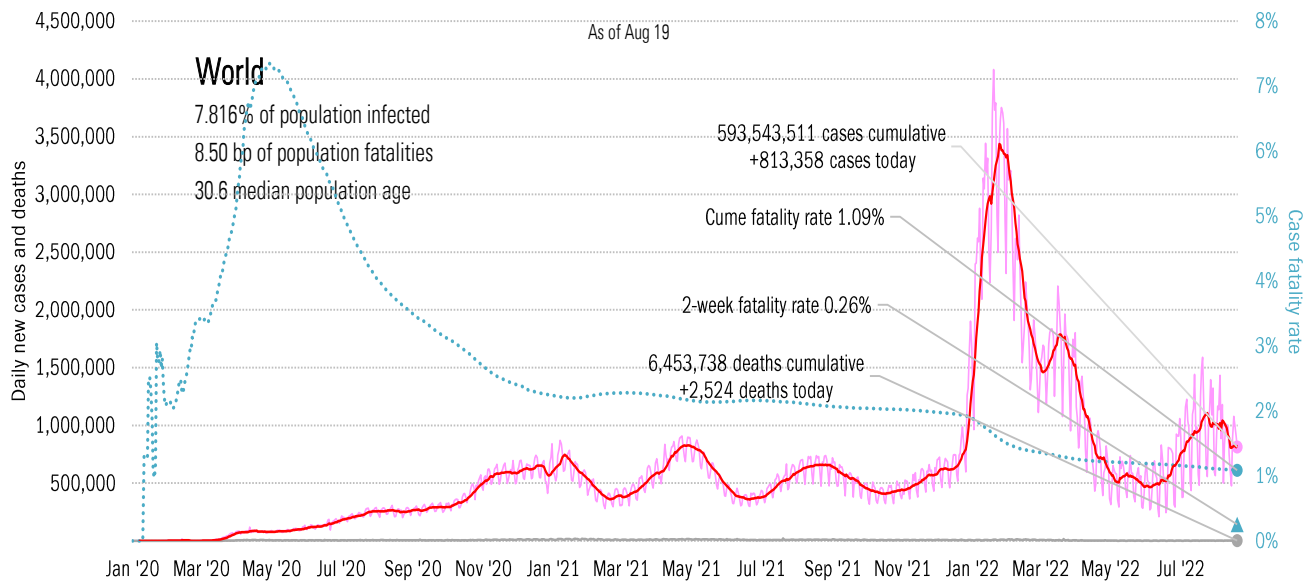
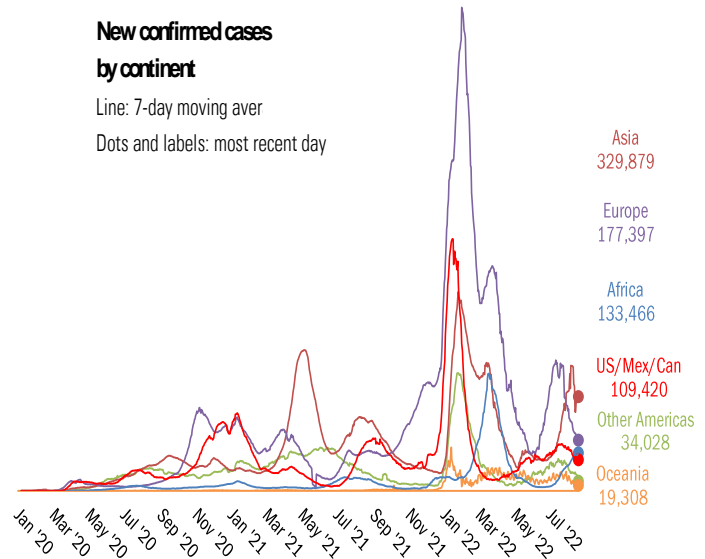
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	260,948	United States	677
United States	132,883	Japan	294
Korea, South	129,350	Spain	222
Russia	37,031	Brazil	142
Germany	36,295	Italy	124
Italy	24,689	Germany	121
Taiwan*	22,795	Australia	96
France	20,269	Chile	92
Brazil	18,863	Paraguay	91
Australia	14,995	Korea, South	84
698,118		1,943	
World	813,358	World	2,524
Top ten	86%	Top ten	77%

New confirmed cases by continent

Line: 7-day moving aver
Dots and labels: most recent day



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

For more information contact us:

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

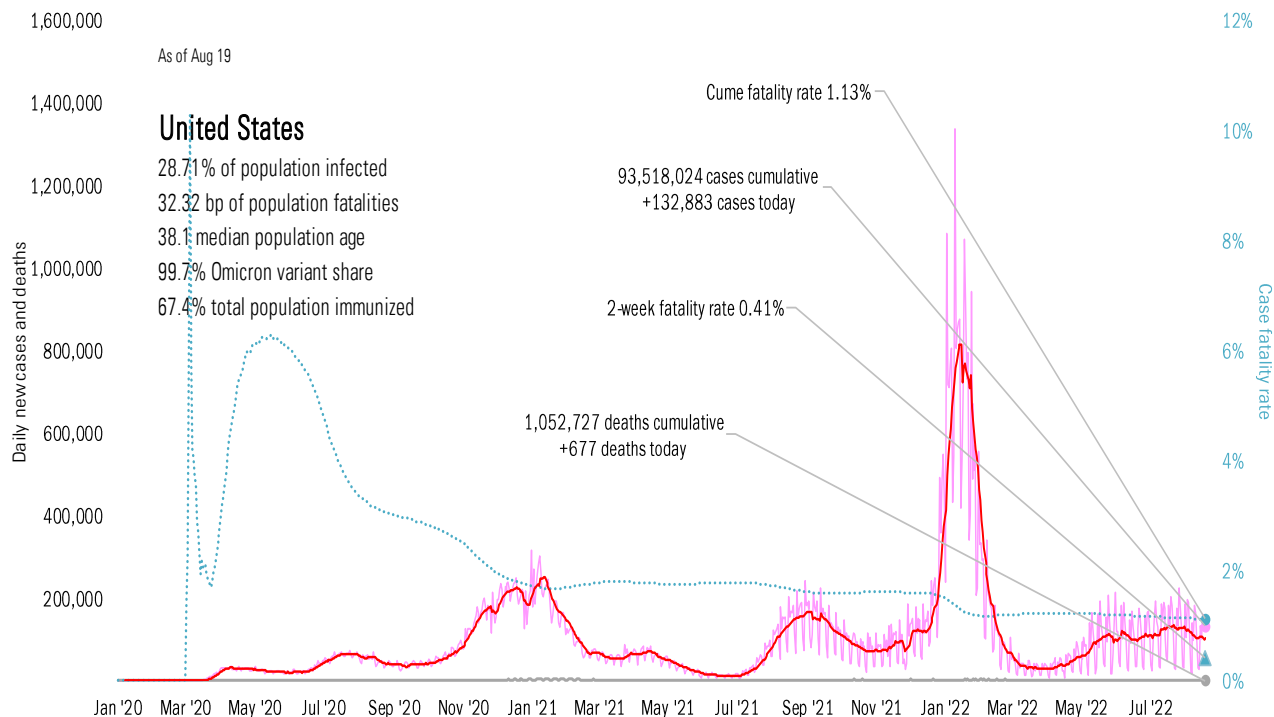
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	27,627		CA	142		GA	255		CA	10,978,199	CA	94,440	TX	531,797	RI	90%	AK	87%			
TX	9,337		FL	66		PA	245		TX	7,758,347	TX	89,990	CA	482,462	MA	87%	TX	85%			
MO	8,426		TX	49		CR	65		FL	6,975,210	FL	78,949	FL	477,368	GA	87%	WA	84%			
FL	6,488		WA	34		KY	135		NY	5,936,030	NY	70,850	NY	287,670	WA	85%	AL	84%			
OK	6,063		NY	29		MS	54		IL	3,645,961	PA	46,514	GA	219,966	MO	84%	NC	83%			
IN	5,887		IN	27		ME	29		PA	3,150,248	GA	39,472	OH	210,067	MN	84%	VT	83%			
NY	5,499		VA	27		OK	81		NC	3,074,964	CH	39,310	PA	196,248	DE	83%	GA	81%			
IL	4,880		OK	21		WV	59		CH	3,026,110	IL	39,180	IL	179,400	NH	82%	MA	81%			
NC	3,906		GA	21		CT	77		GA	2,829,283	MI	37,774	MI	156,427	WV	82%	NH	81%			
GA	3,681		IL	20		AL	119		MI	2,731,787	NJ	34,447	KY	141,097	MD	82%	DE	80%			
81,794			436			1,119			50,106,139			570,926			2,882,502						
All states	132,883		677			5,777			All states	93,518,024	1,052,727			5,229,781			All states	70%	67%		
Top ten	62%		64%			19%			Top ten	54%	55%			55%			Median	77%	73%		

Some states not reporting

Five most improved US states

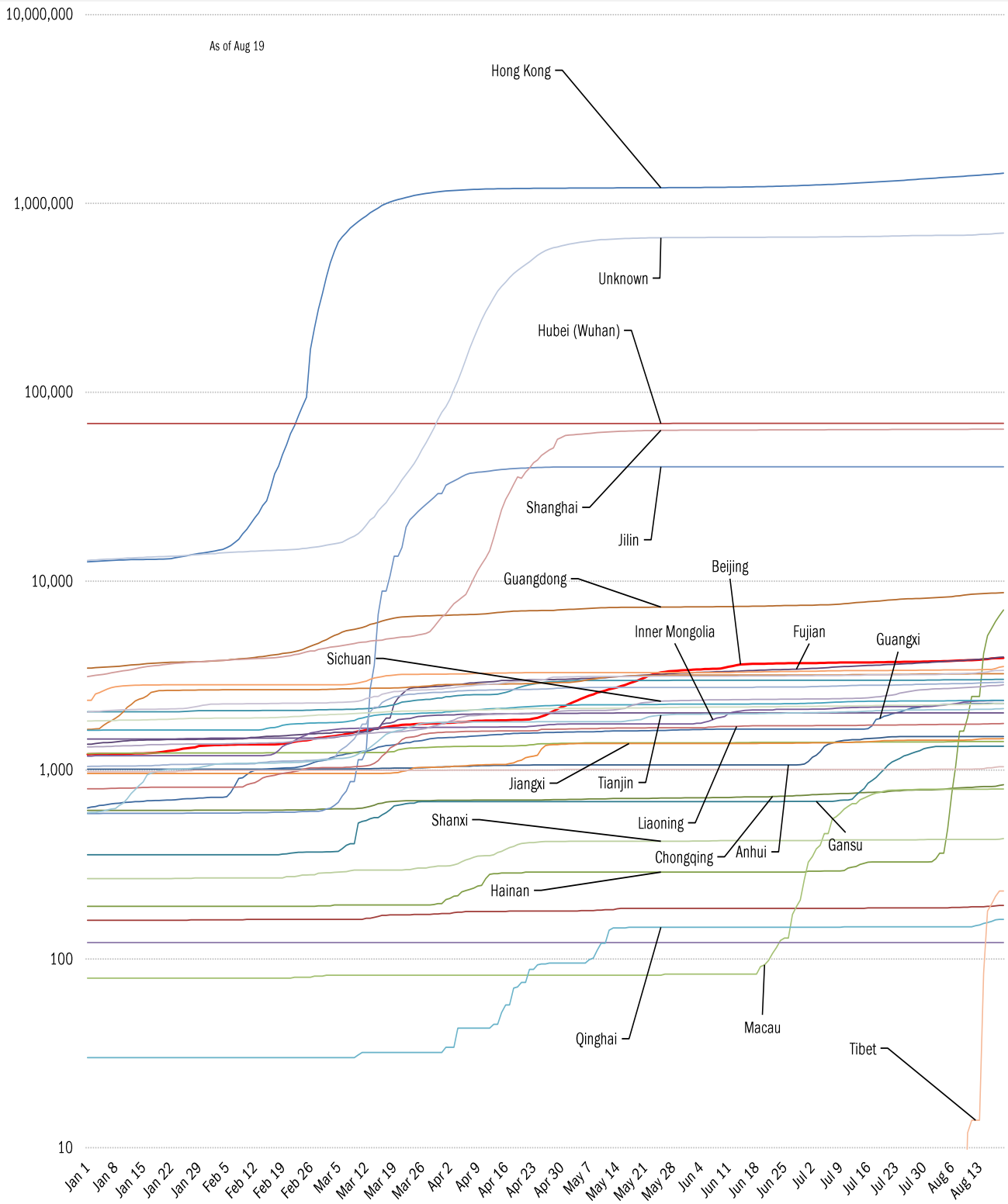
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
TX	-1,074	NE	-25	NC	-52
FL	-850	IN	-14	VA	-49
NY	-514	LA	-10	SC	-38
KY	-460	WA	-9	LA	-37
NJ	-452	NJ	-8	WI	-35



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

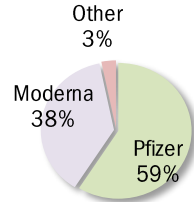
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	622,906,809	+0.209 million	US	67.4%	79.0%
of which boosters	110,327,935	+0.051 million	UK	75.2%	79.9%
	One dose	% Pop	Immune	% pop	New immune today
Total population	270,471,978	81%	230,193,455	69%	+0.034 million
Age 12 to 17	18,095,150	72%	15,459,413	61%	+0.003 million
Age 18 to 64	180,661,461	89%	153,482,893	75%	+0.015 million
Age 65 and over	59,665,647	100%	52,194,513	95%	+0.005 million

France	78.6%	80.9%
Spain	85.5%	86.9%
Germany	76.0%	77.6%
Italy	81.0%	85.8%
Australia	83.9%	86.5%
Israel	66.2%	72.3%
Canada	82.6%	86.3%
Japan	82.3%	83.5%
Africa	21.8%	27.9%
India	66.7%	72.7%
Brazil	79.9%	86.8%
China	89.0%	91.3%

Global data differs due to sources, timing



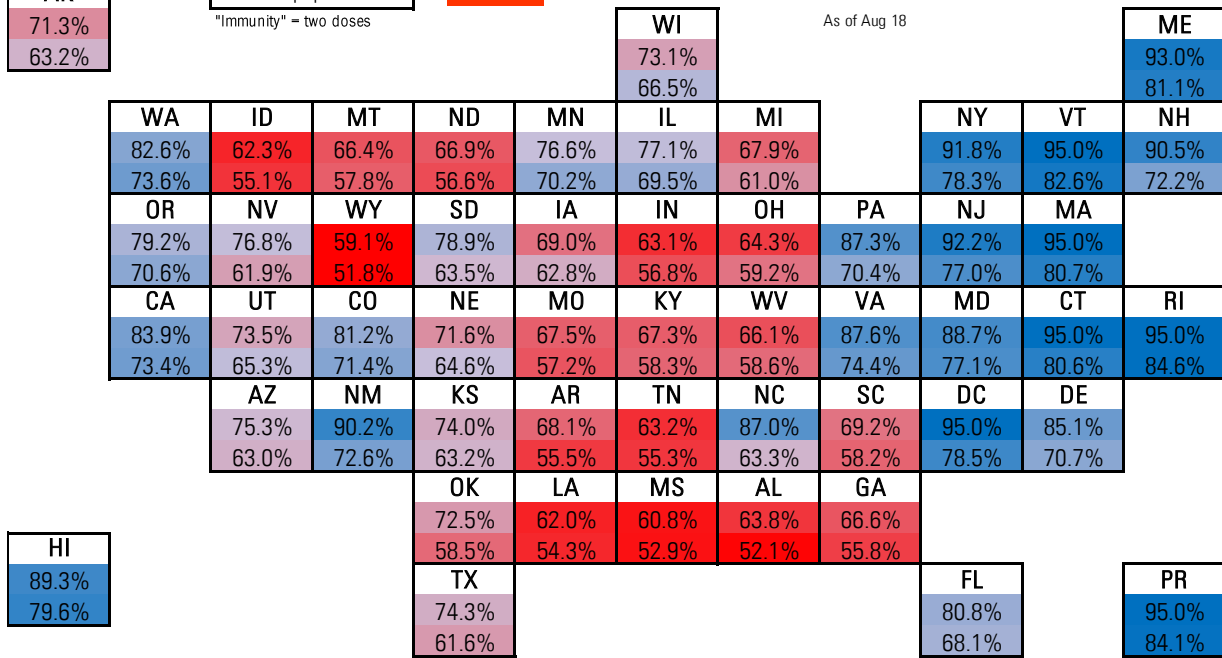
State	Full immunity as % population
AK	71.3%
	63.2%

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

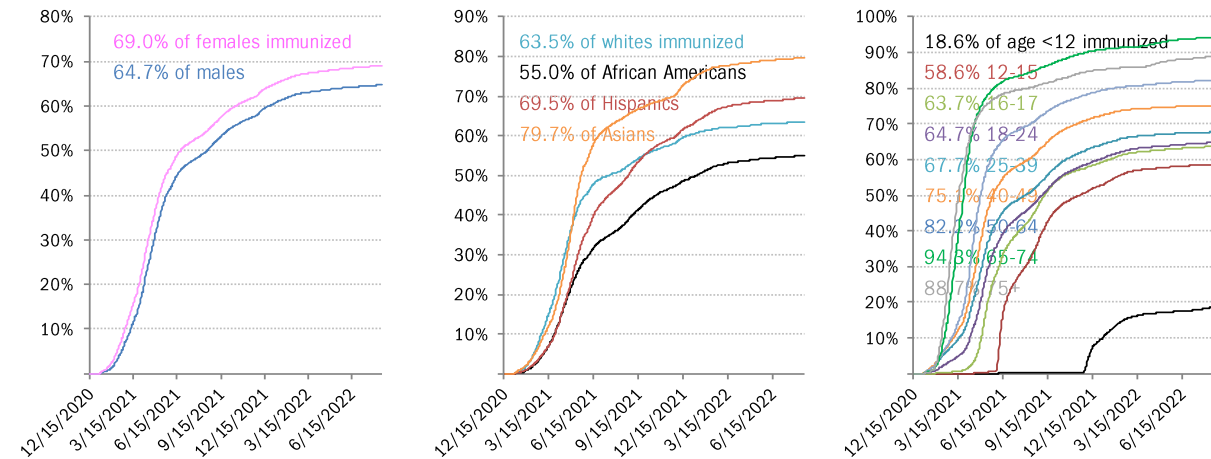
"Immunity" = two doses

Best
Middle
Worst

As of Aug 18



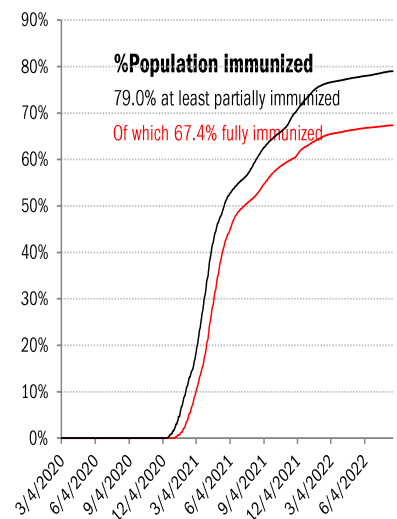
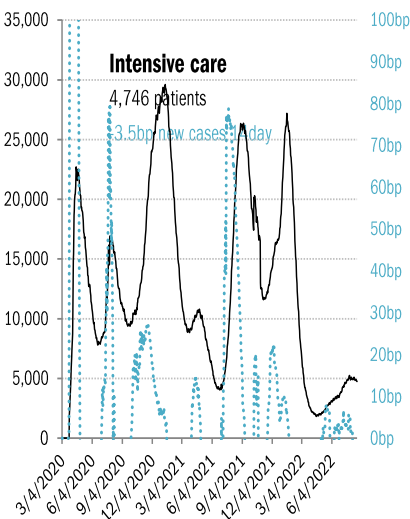
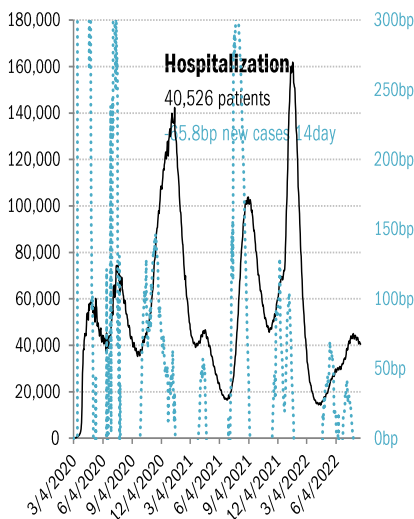
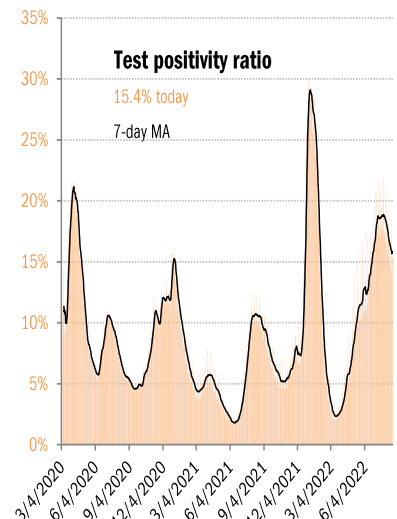
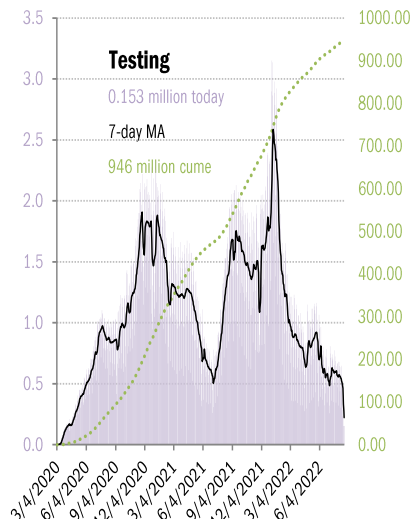
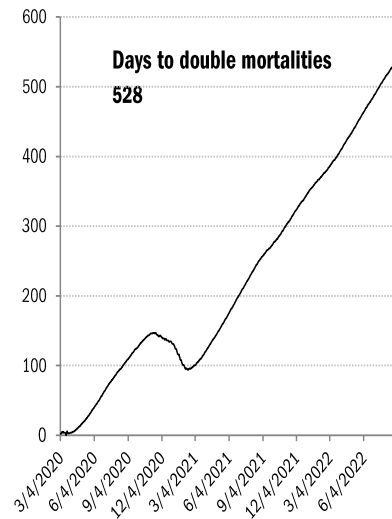
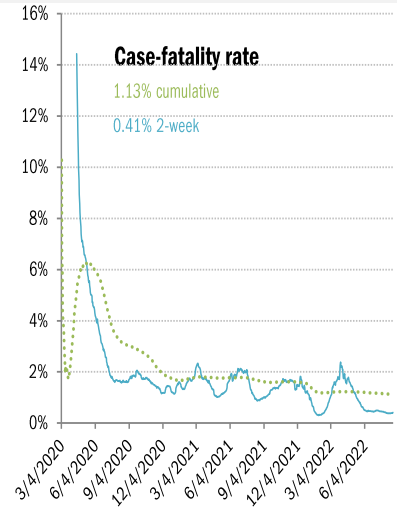
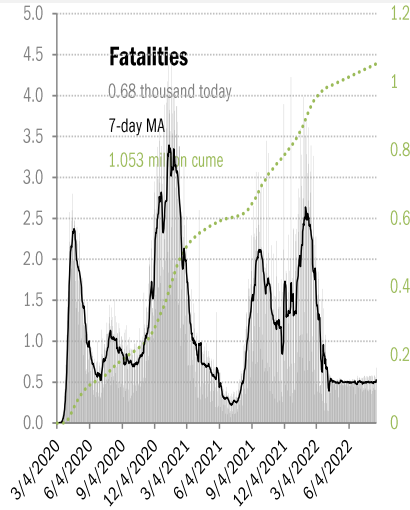
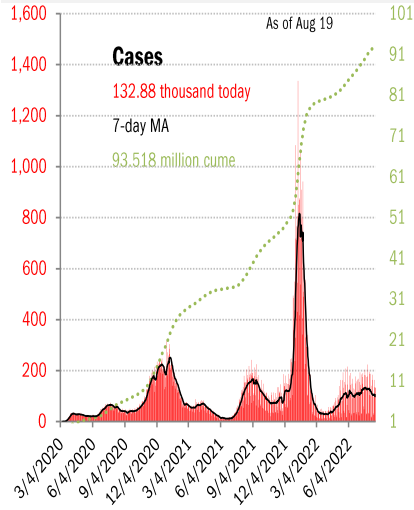
The demographics of US vaccination



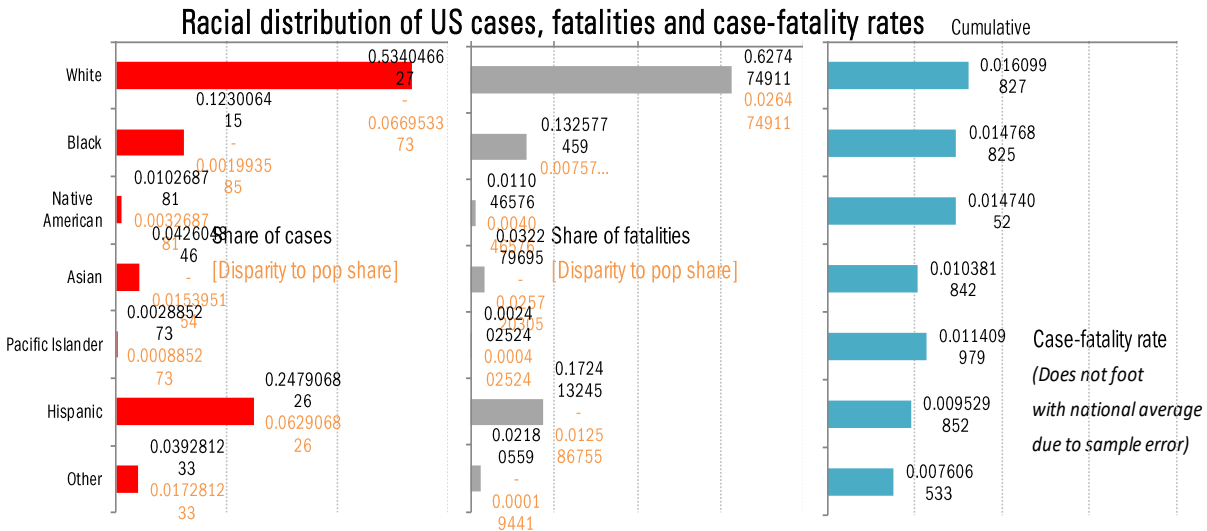
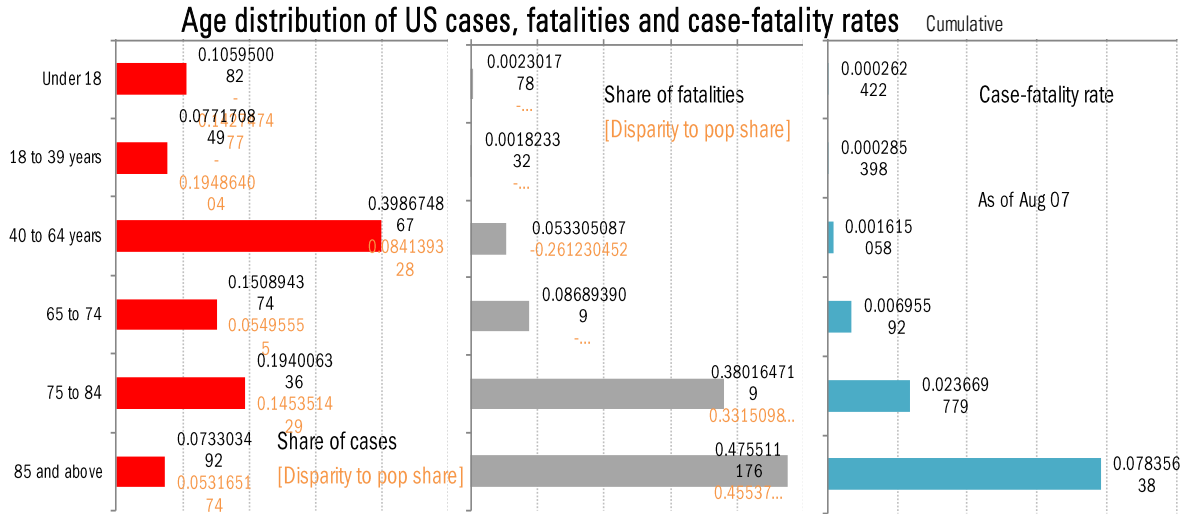
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

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

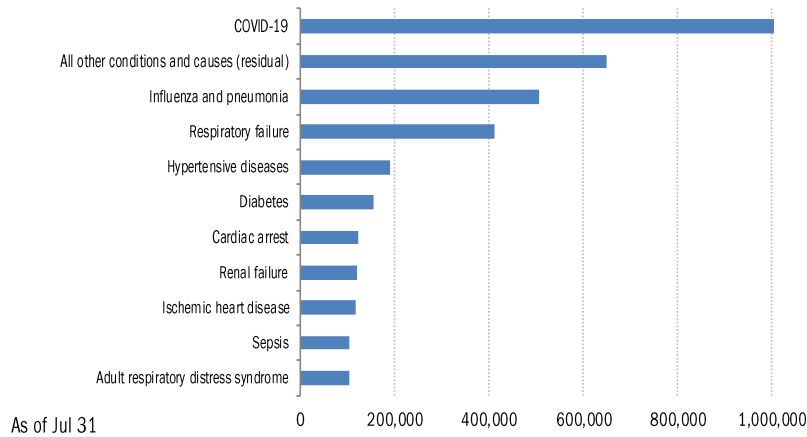


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



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

[Kathy Hochul's abuse of power is a NY state 'emergency'](#)

Bill Hammond
New York Post
August 17, 2022

[Association between Parents Experiencing Ongoing Problems from Covid-19 and Adolescents Reporting Long Covid Six Months after a Positive or Negative Sars-Cov-2 Pcr-Test: Prospective, National Cohort Study in England](#)

Marta Bertran
SSRN
August 14, 2022

[The CDC Needs to Admit Its Covid Mistakes](#)

Faye Flam
Bloomberg
August 19, 2022

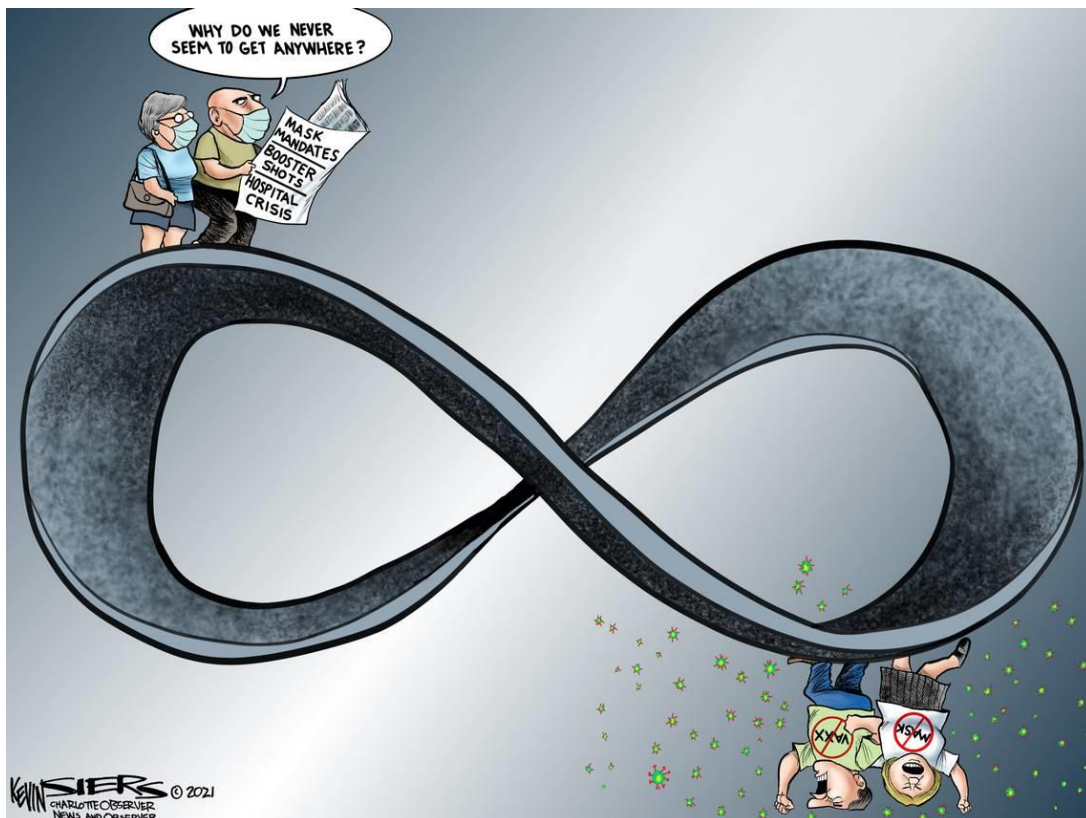
[You Know It's Bad at the CDC When Even Comedy Central is Making Jokes About Its Covid Respons](#)

Kyle Becker
Becker News
August 19, 2022

[U.S. Plans to Shift Bill for Covid Shots and Treatments to Insurers, Patients](#)

Stephanie Armour
Wall Street Journal
August 18, 2022

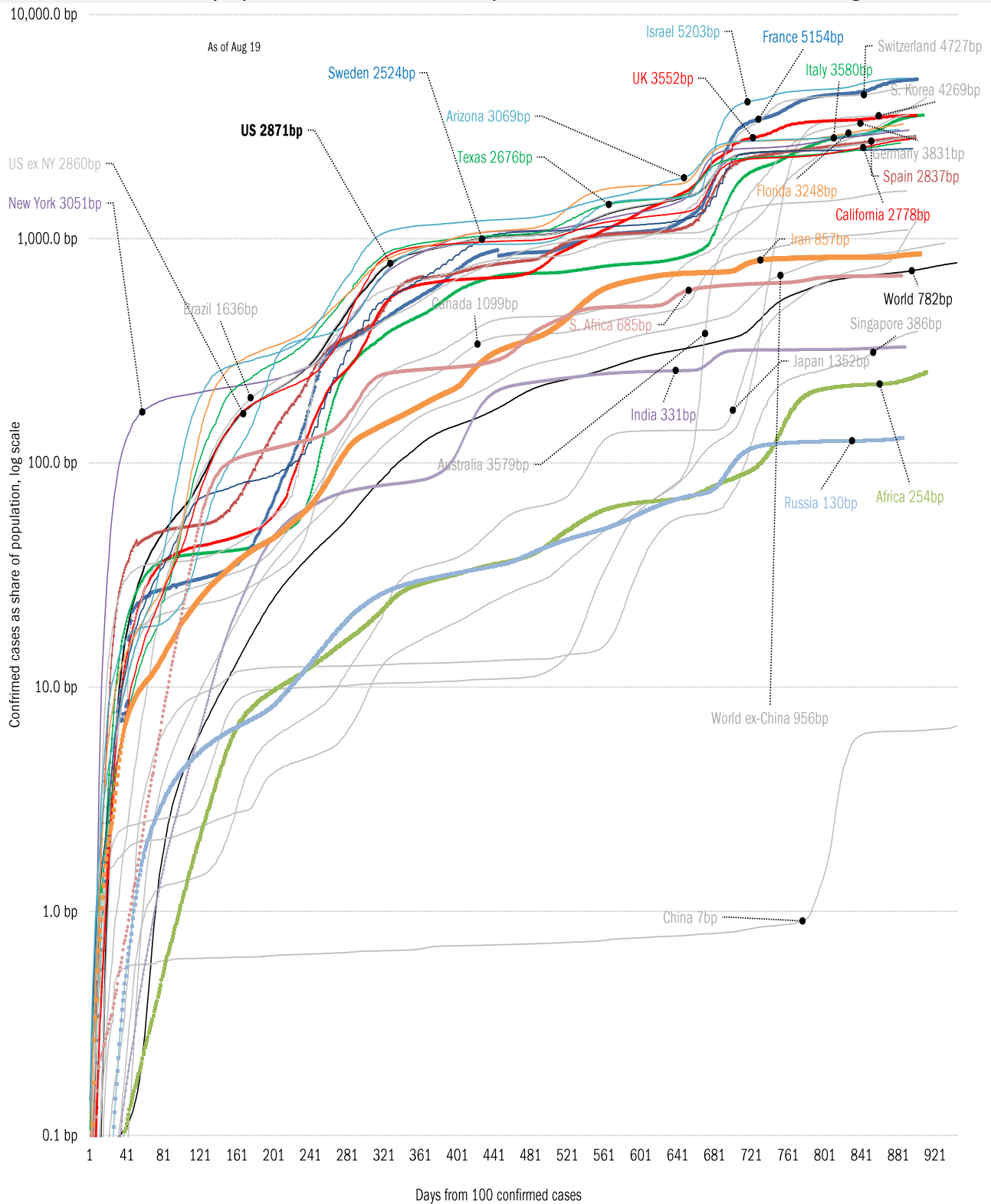
Meme of the day



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

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

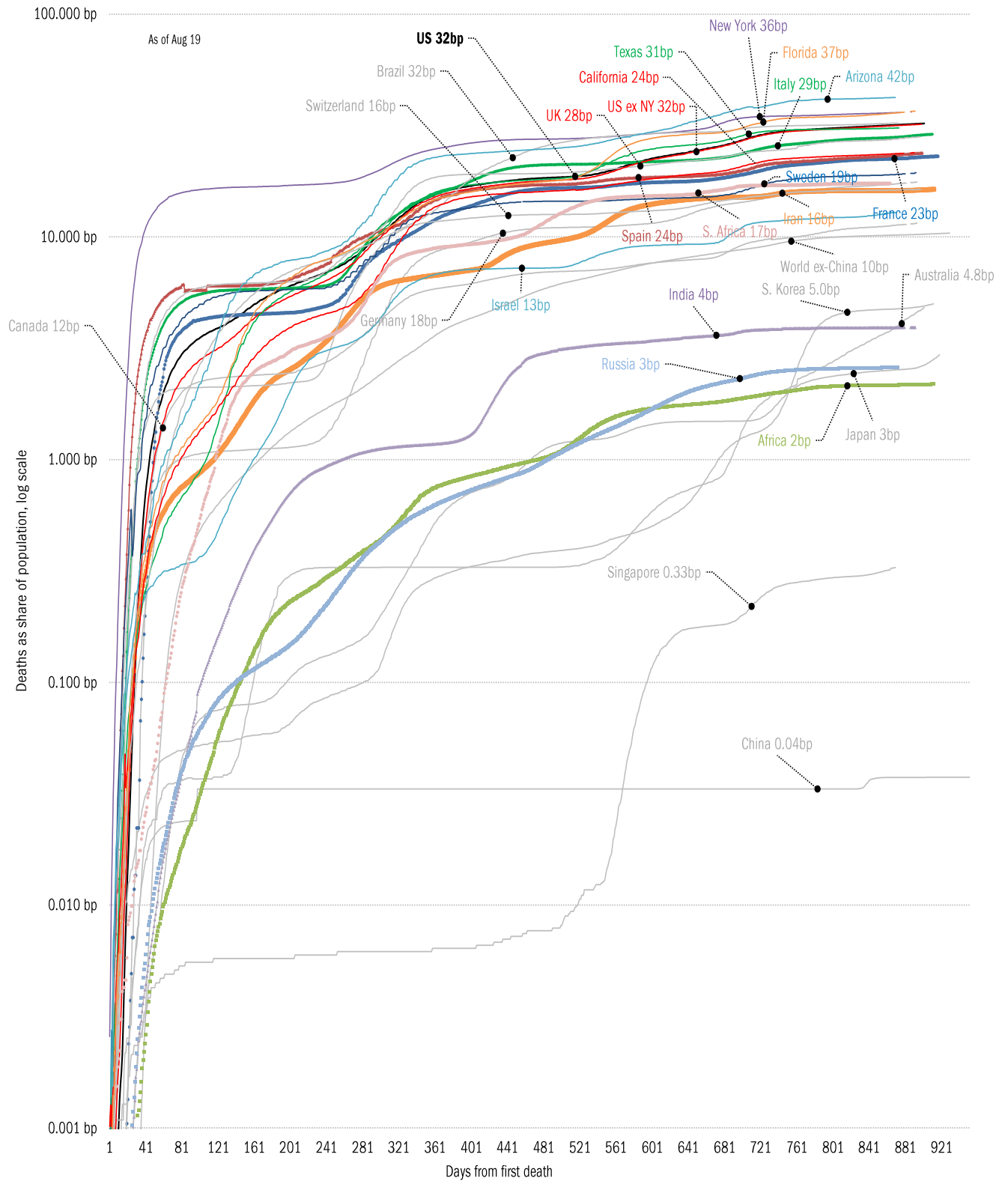
Share of infected population from first day with 100 confirmed cases, log scale



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

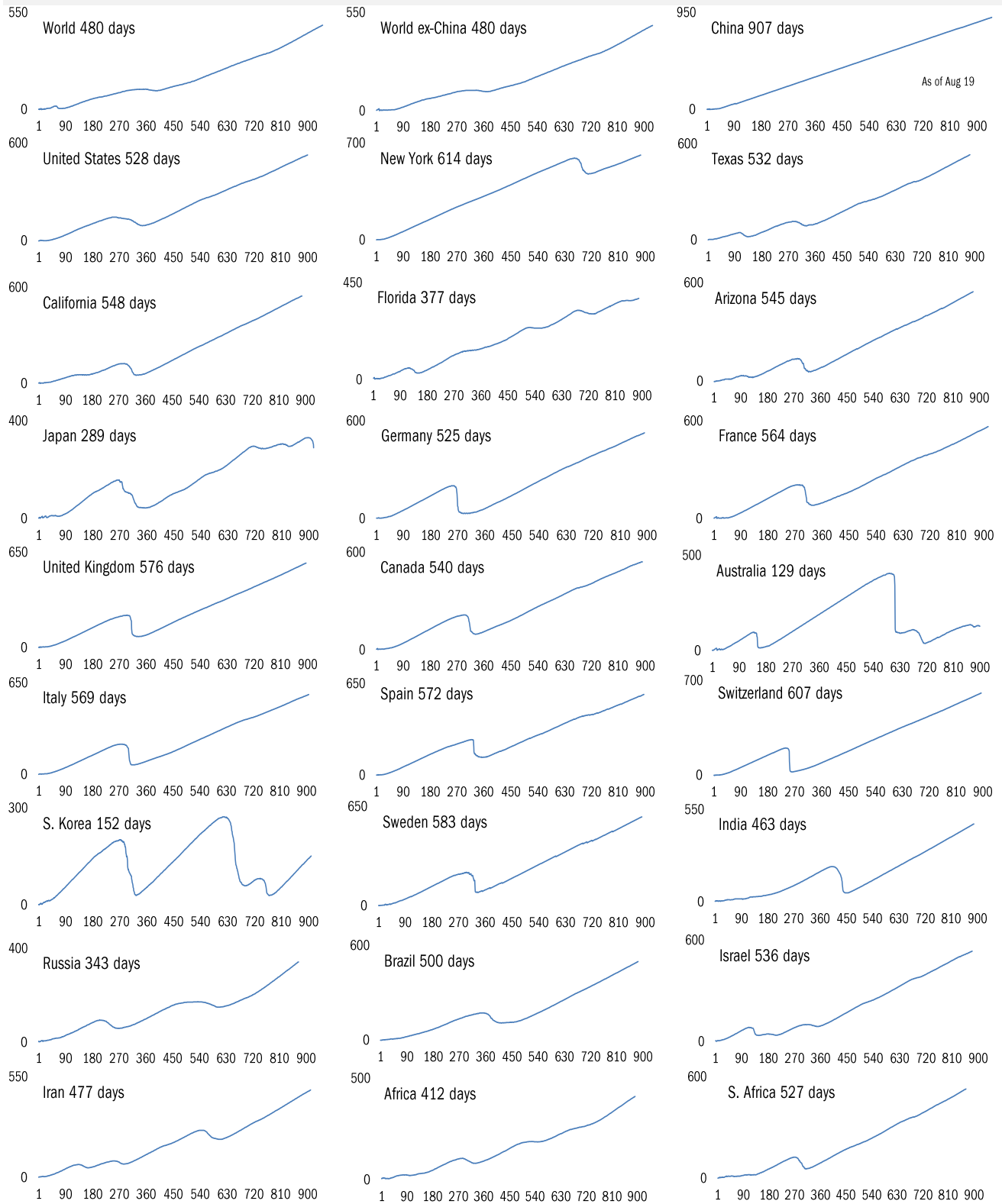


Source: [Johns Hopkins](#), TrendMacro calculations

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

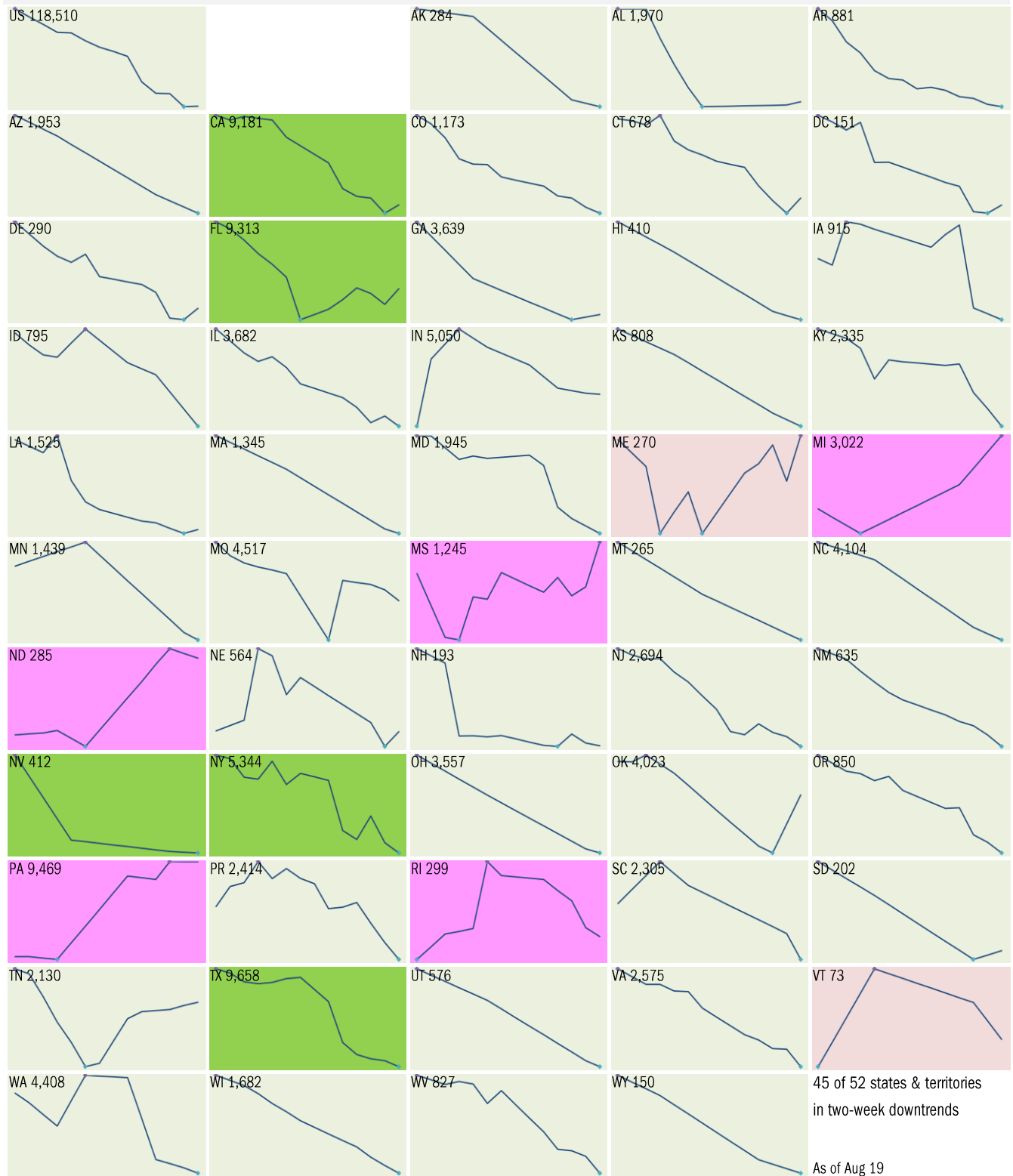


Source: [Johns Hopkins](#), TrendMacro calculations

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

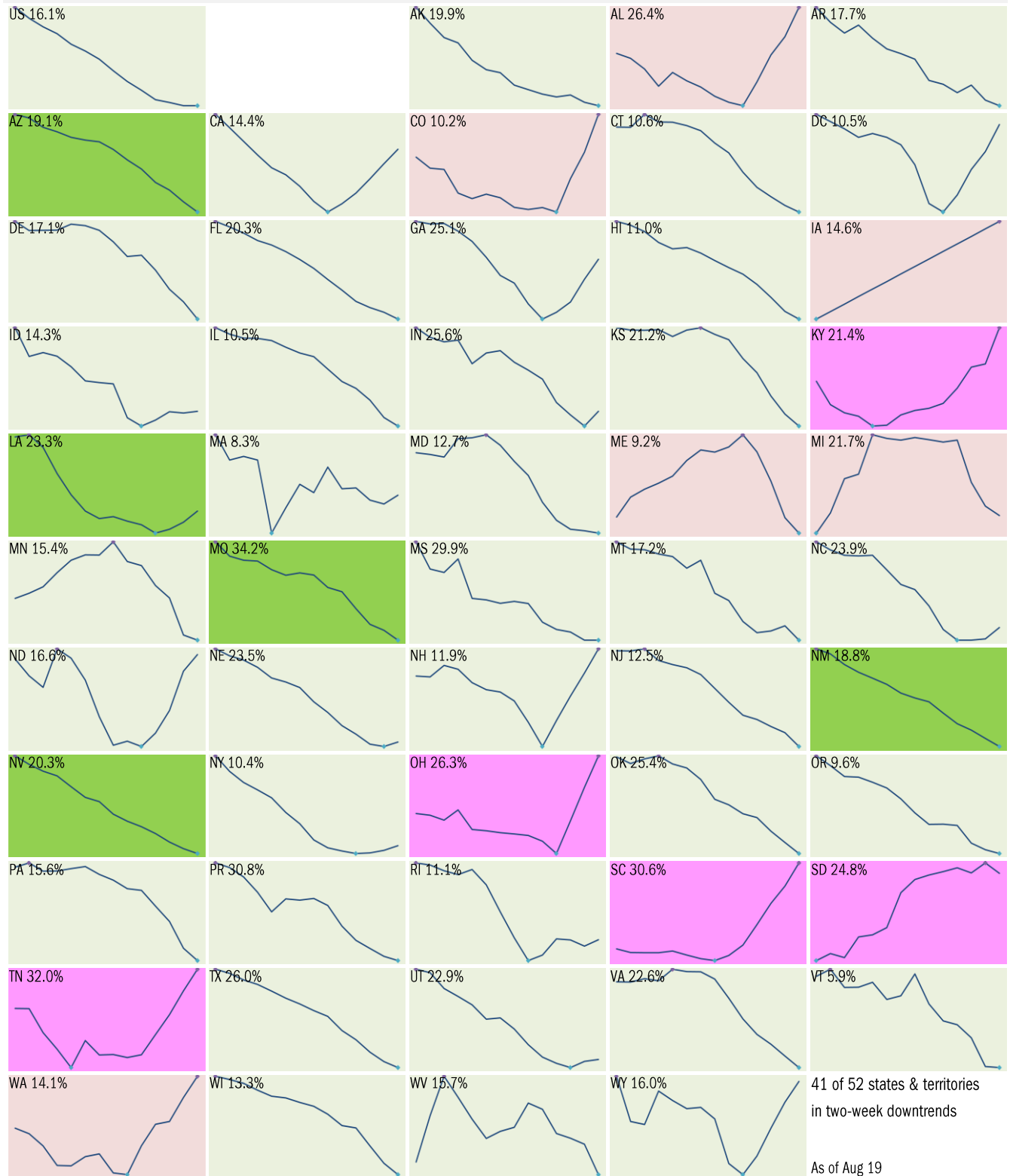


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

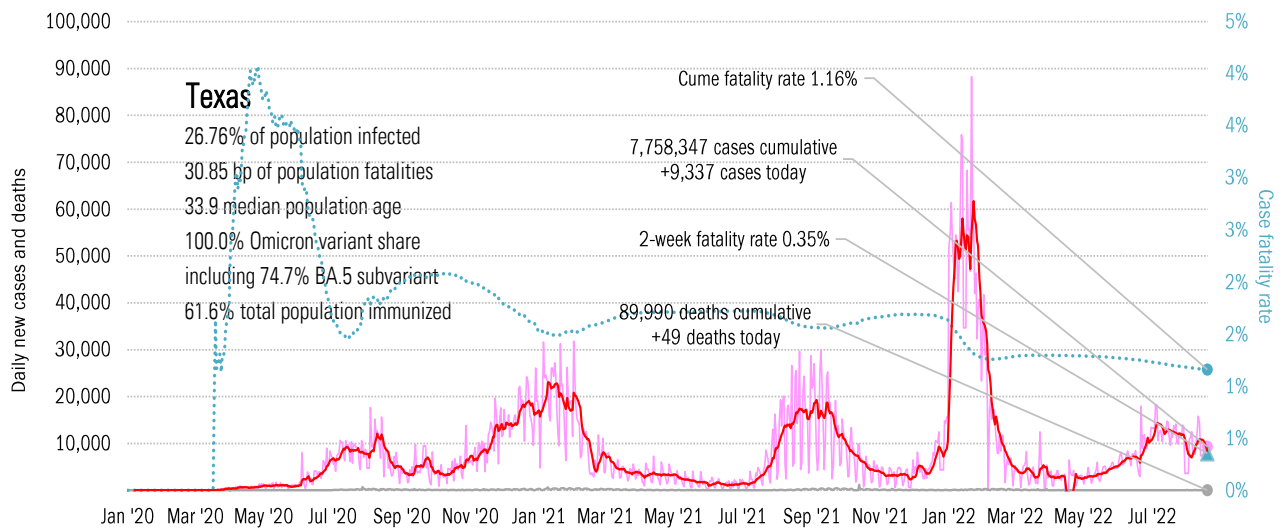
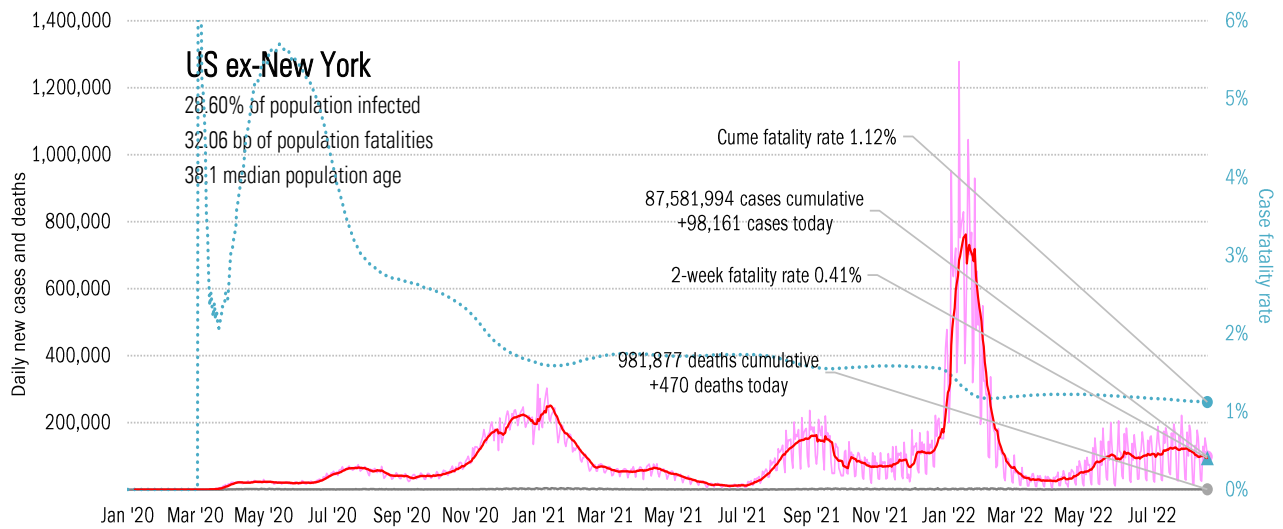
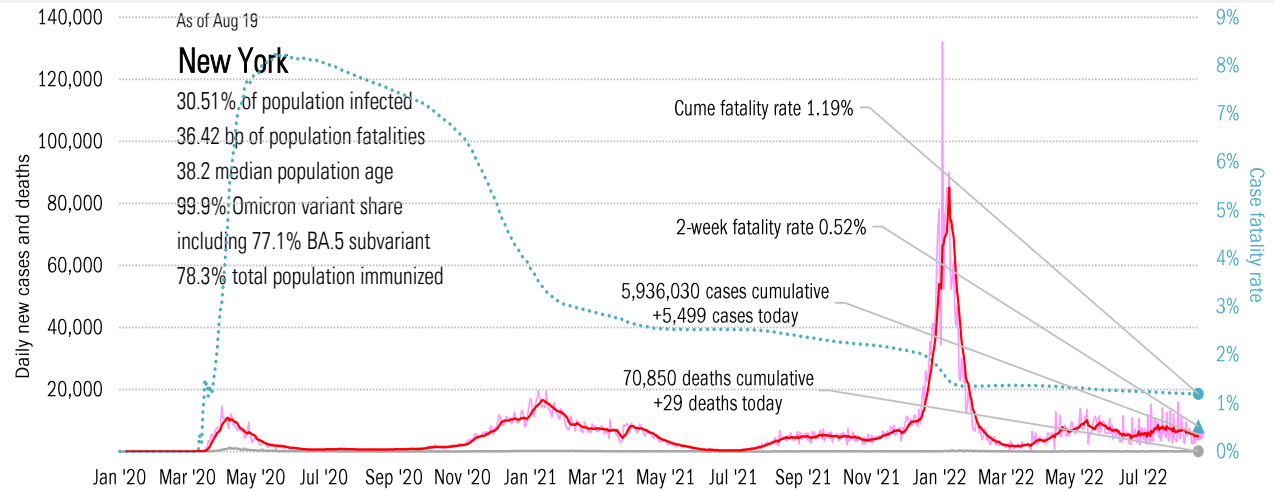
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

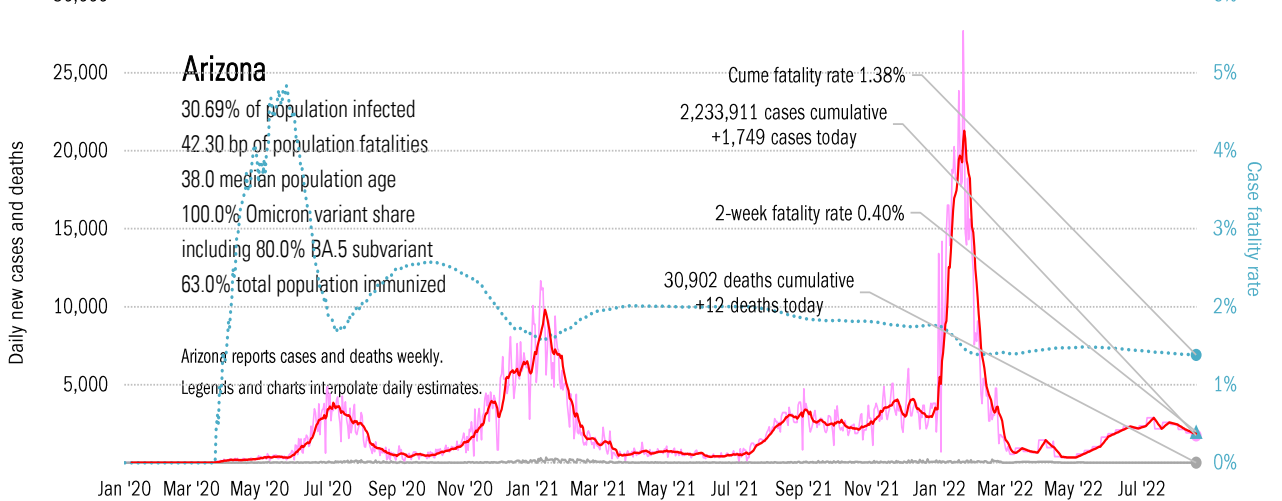
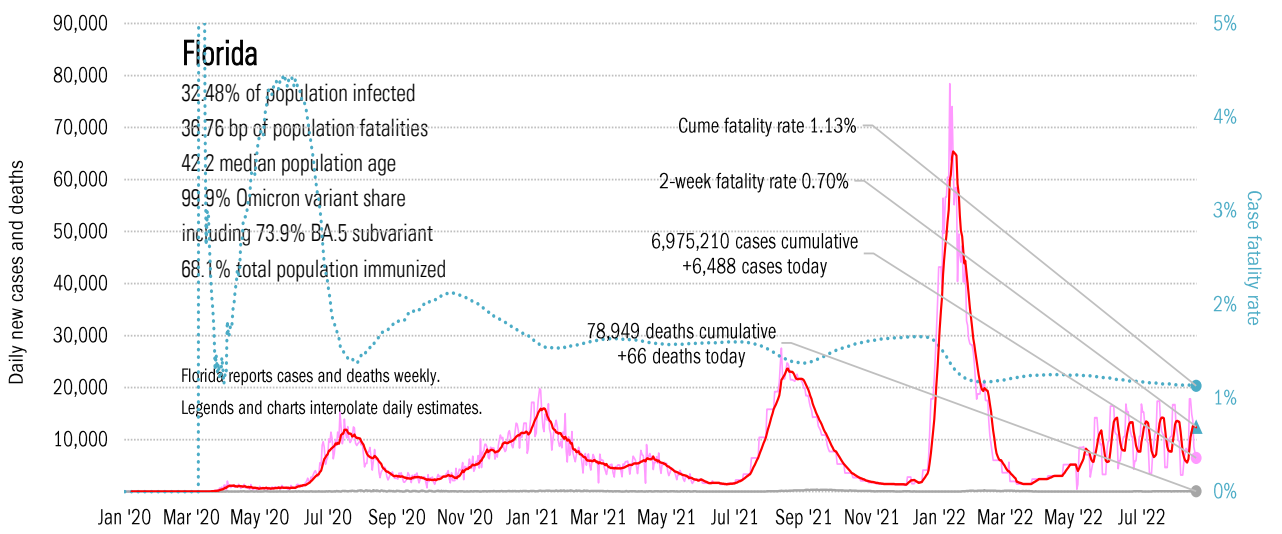
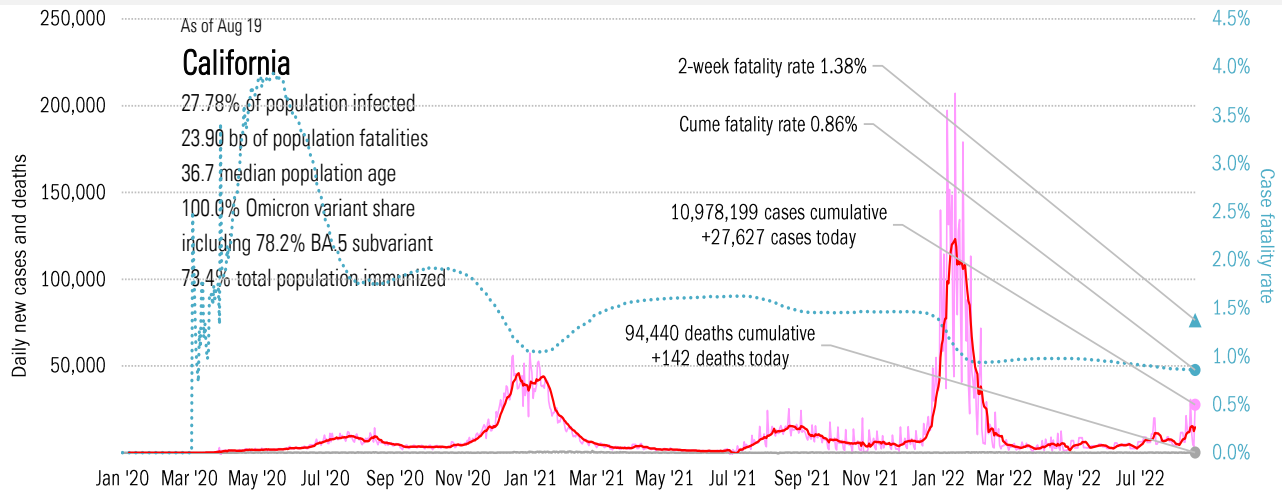
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

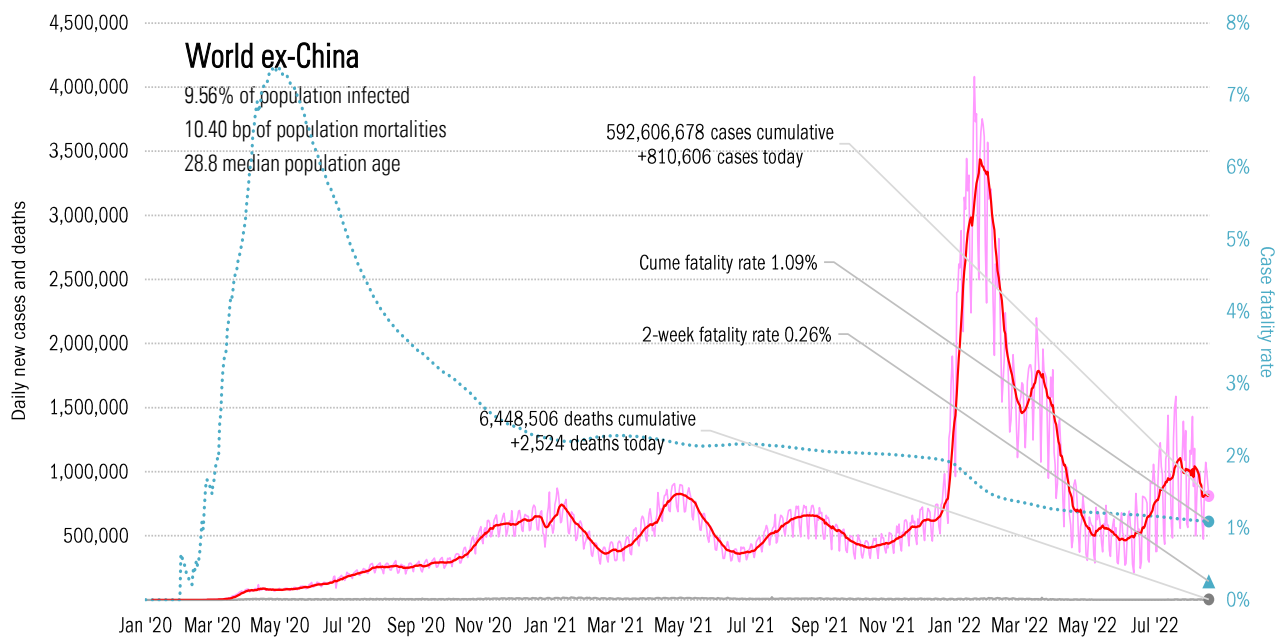
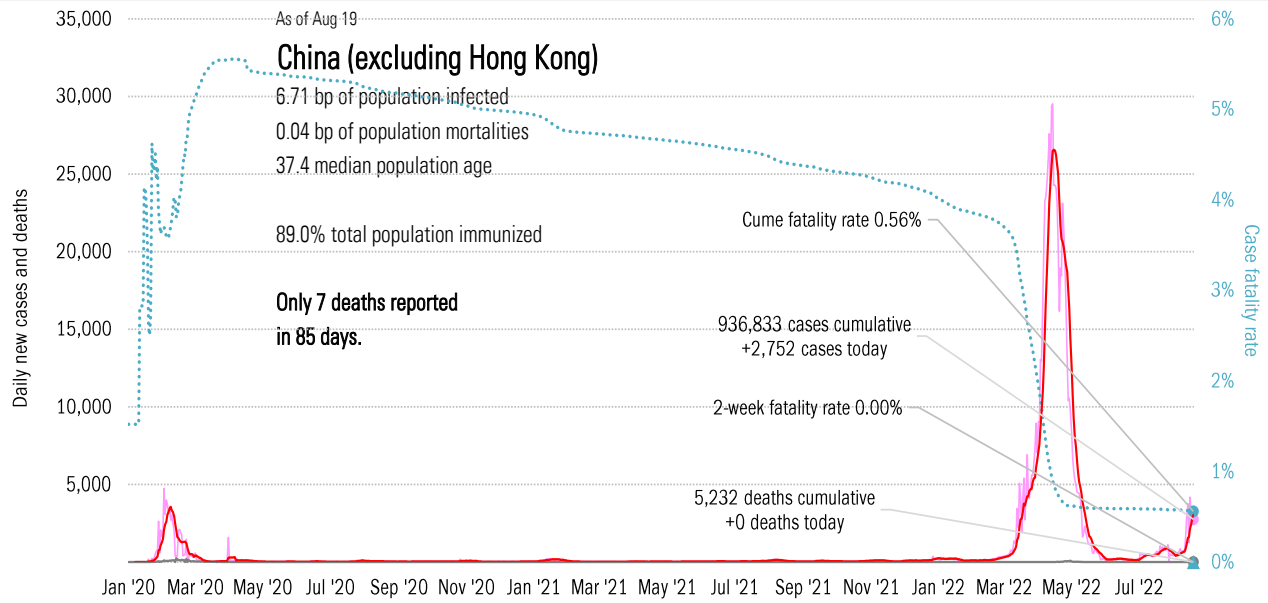
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

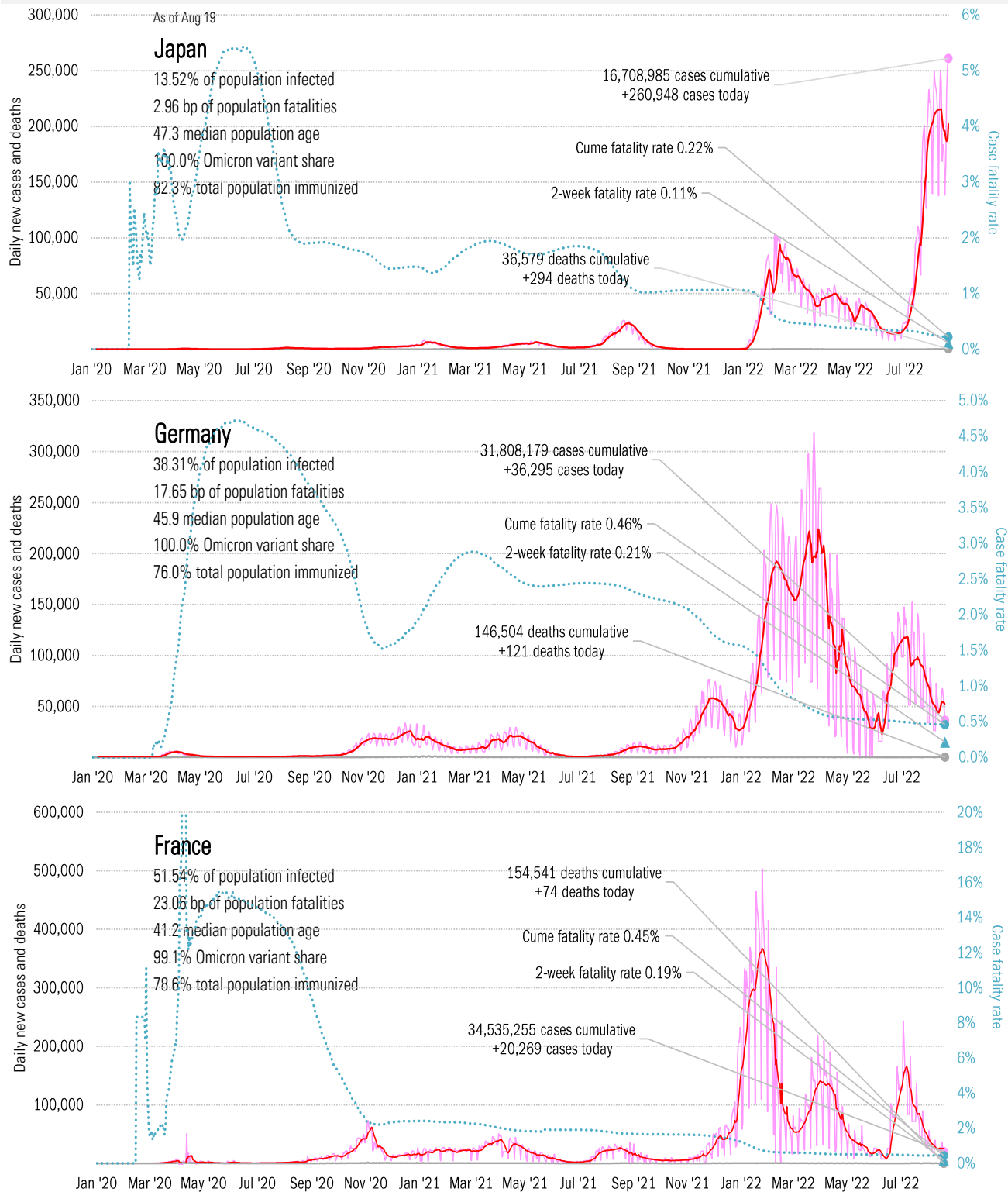
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

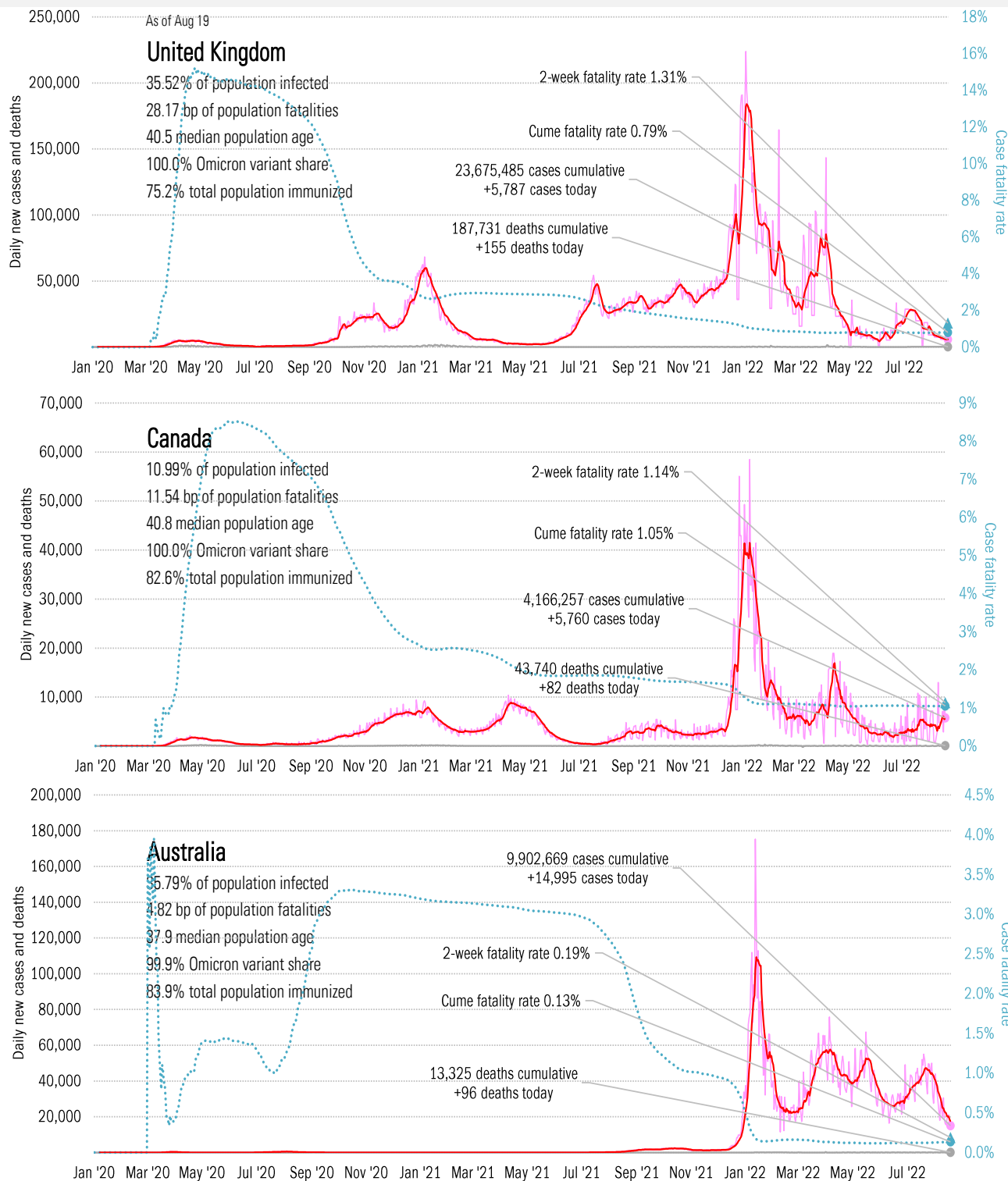
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

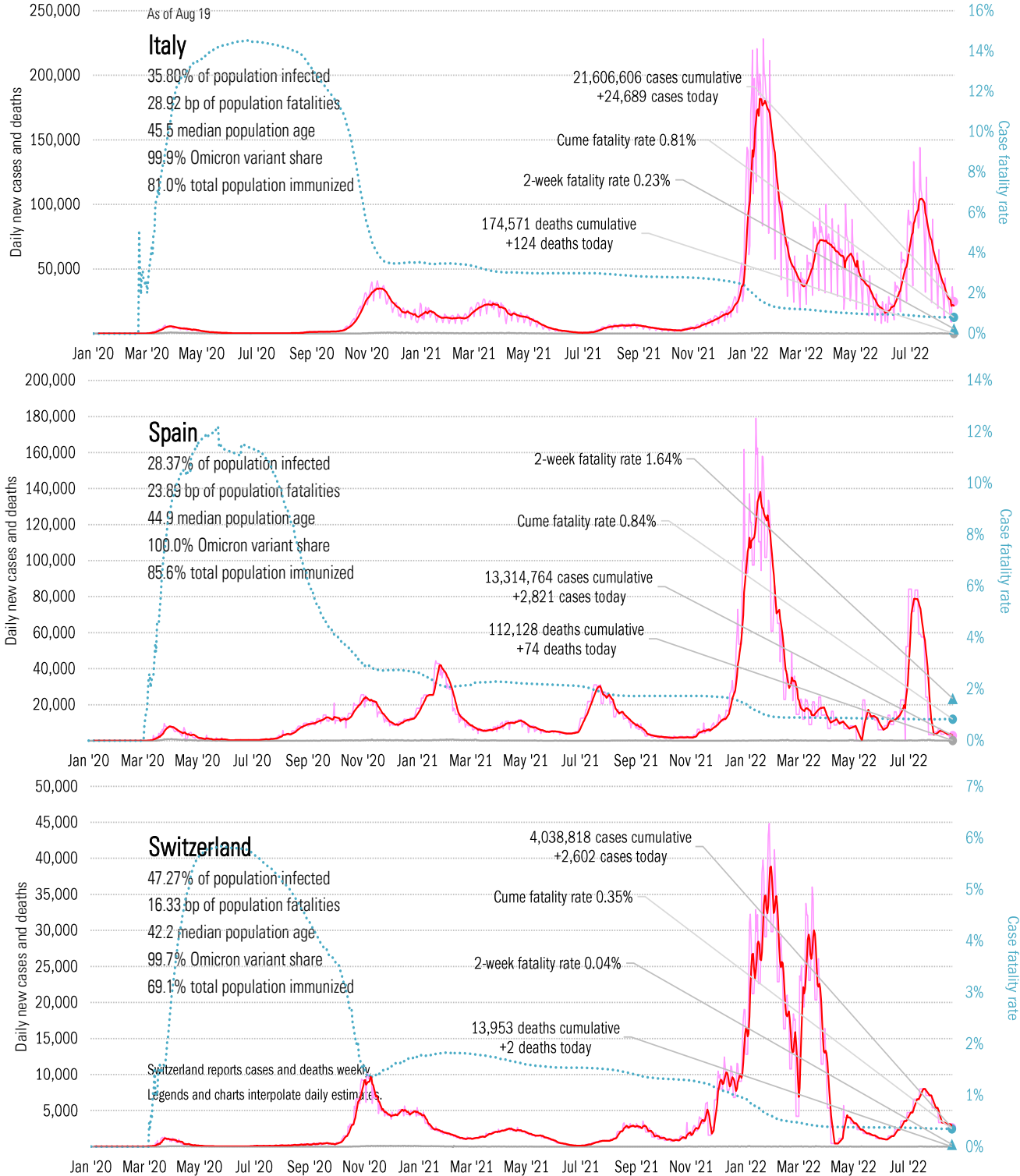
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

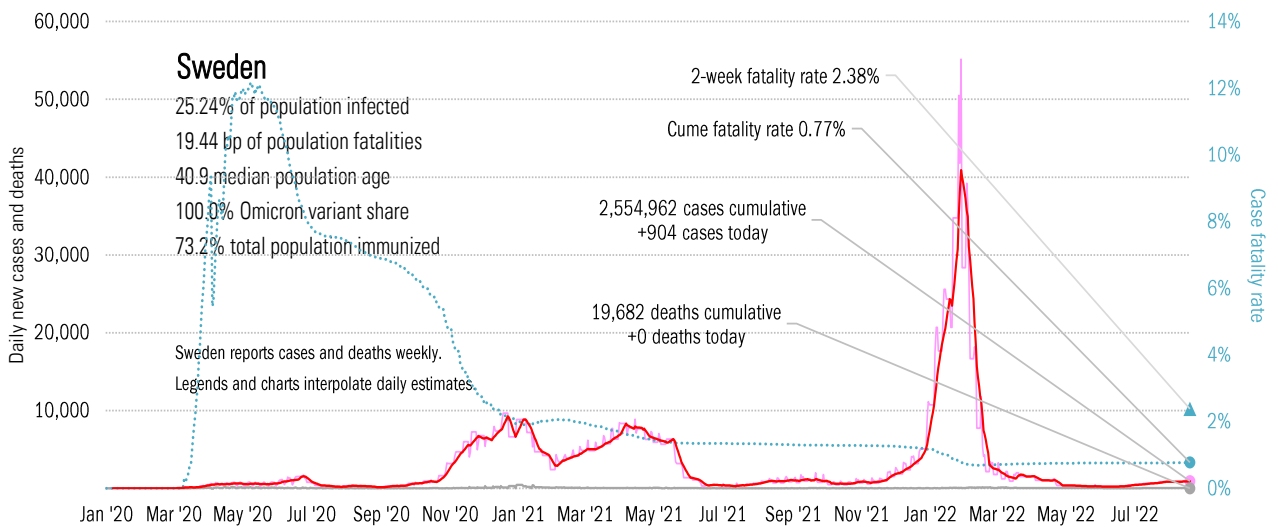
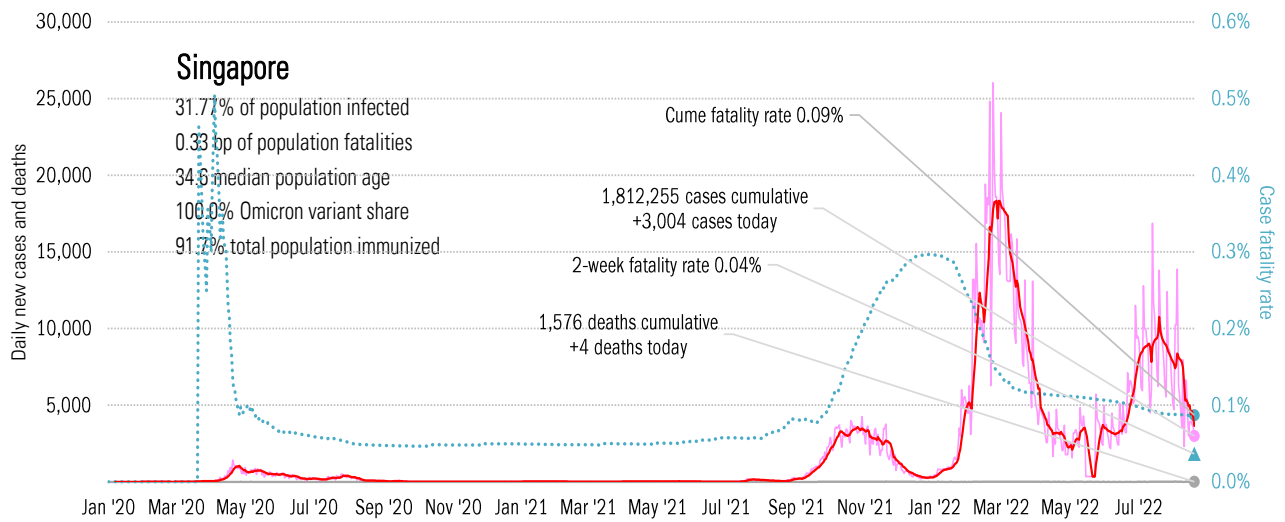
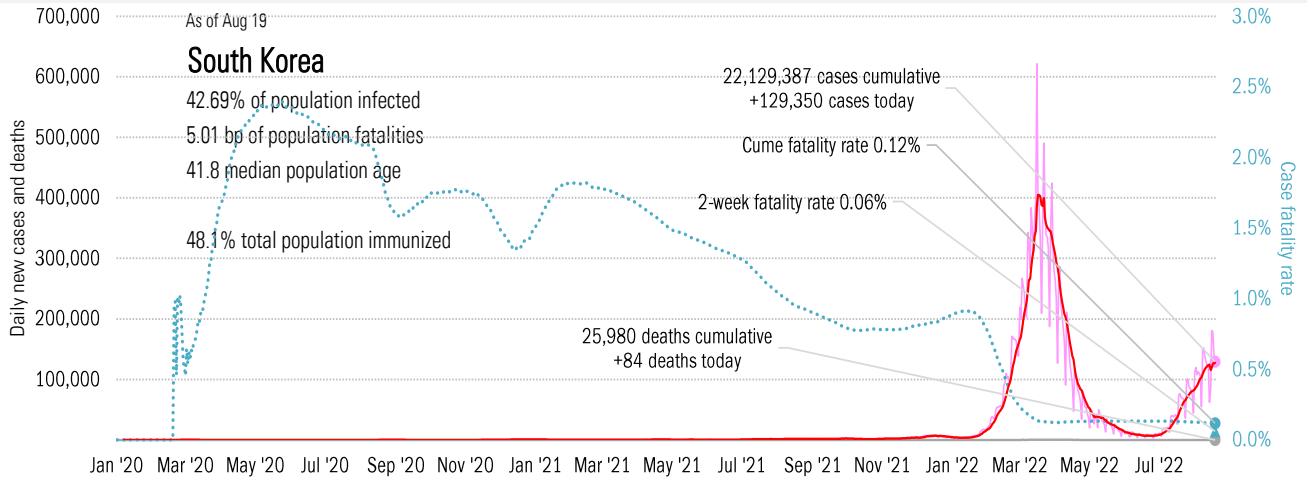
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

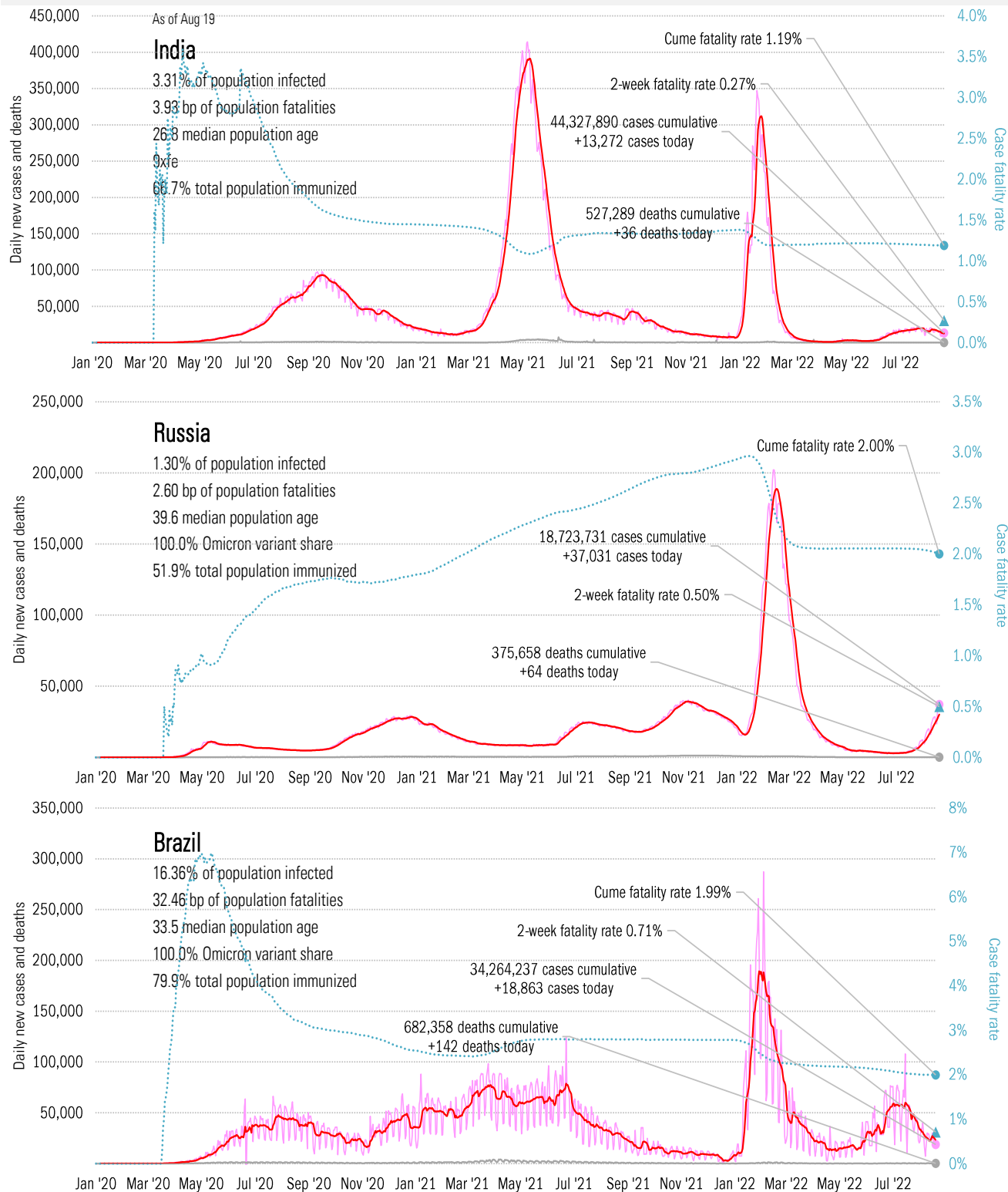
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

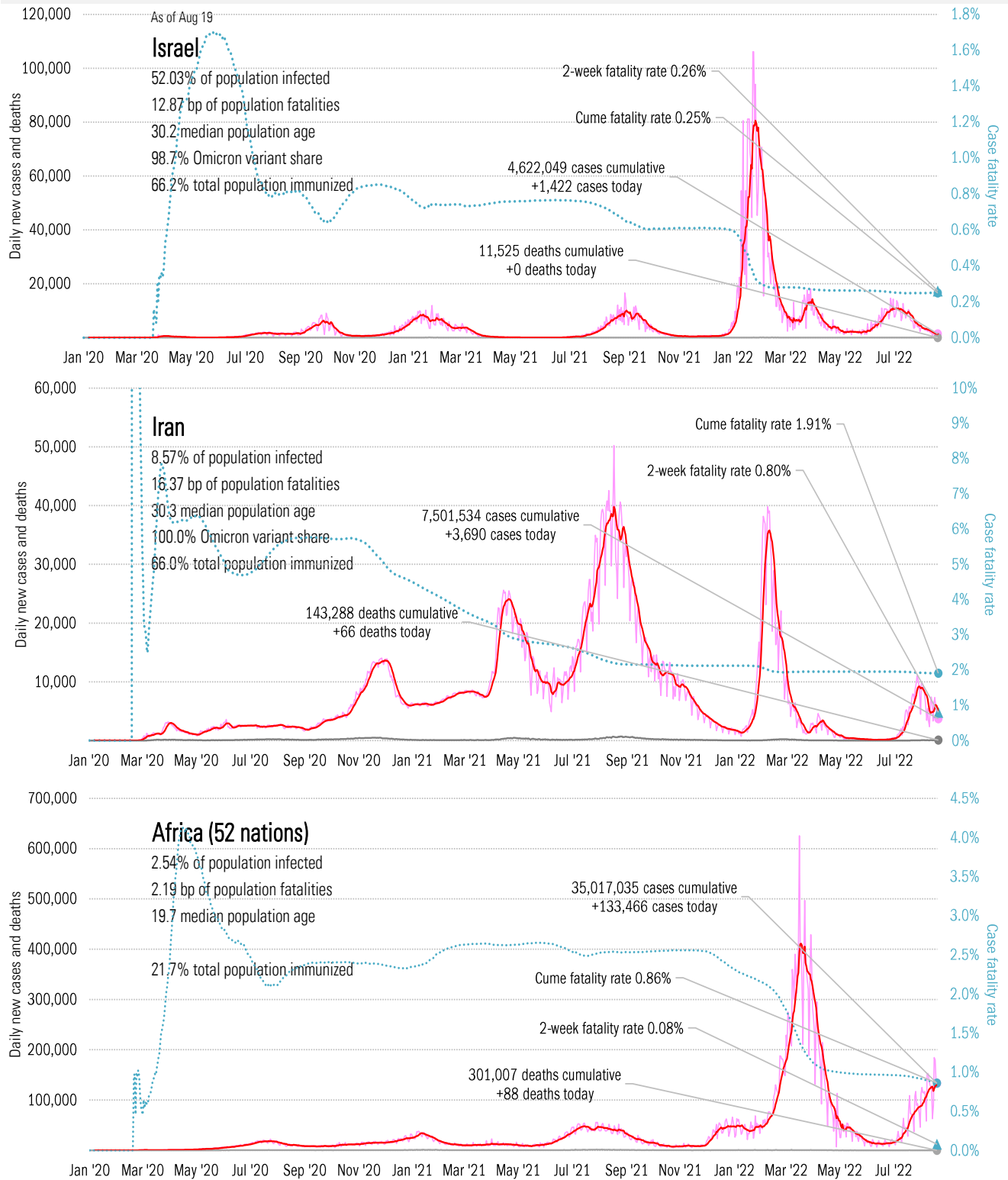
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

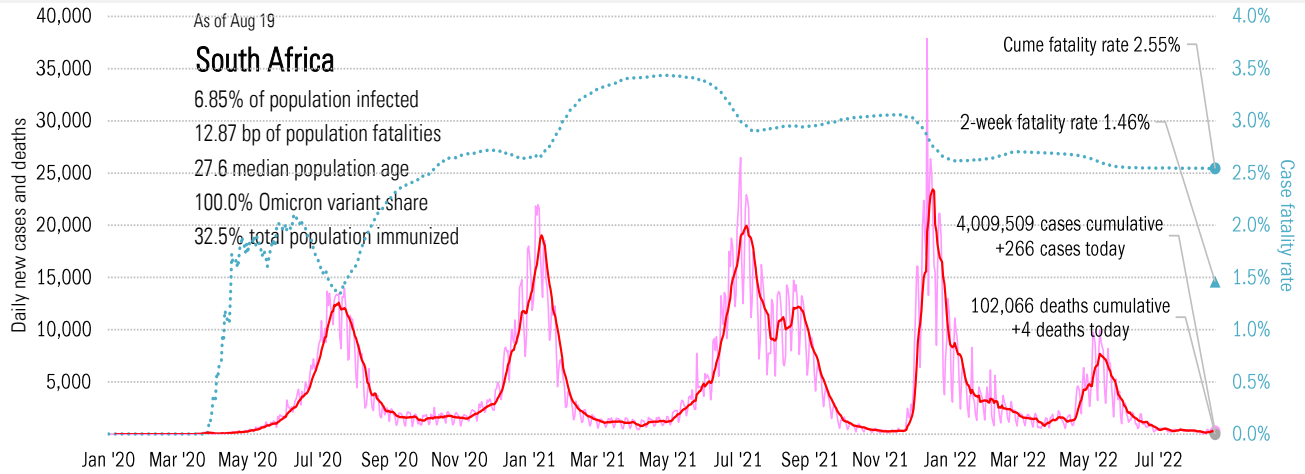
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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