

Data Insights: Covid-2019 Monitor

Saturday, August 6, 2022

The global scorecard

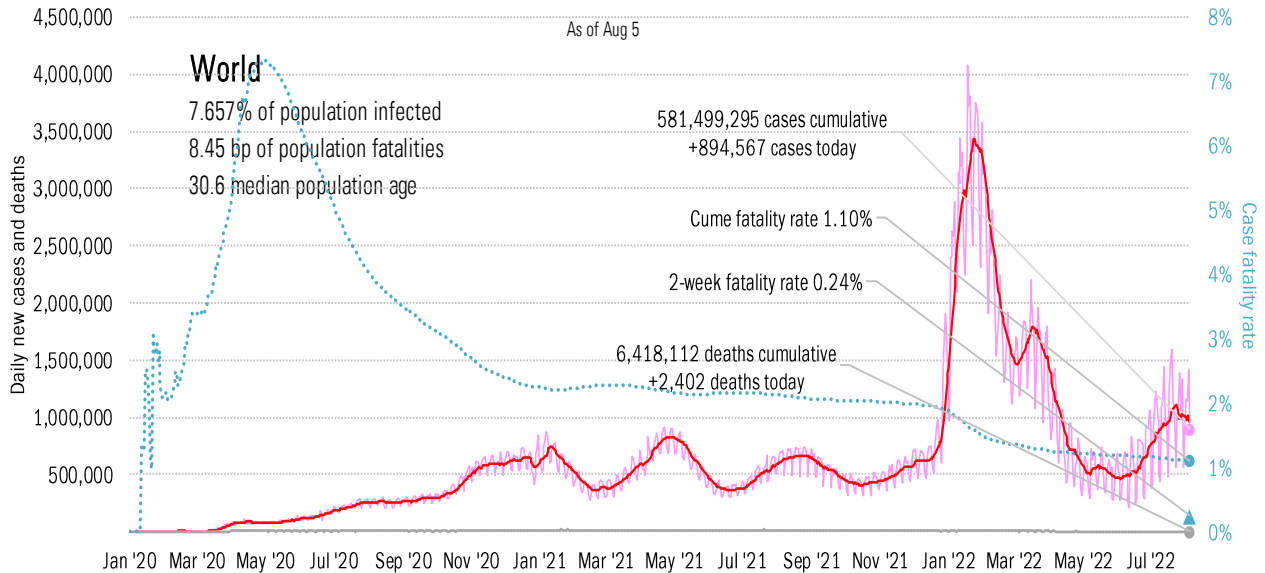
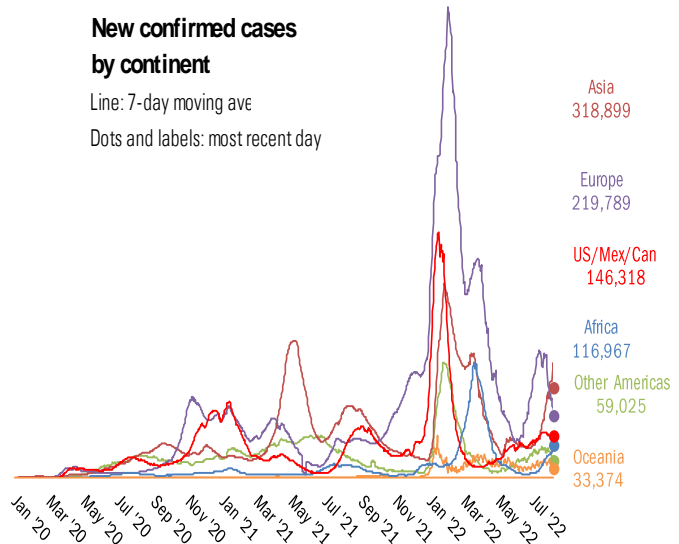
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	233,655	United States	643
United States	168,651	Spain	381
Korea, South	110,610	Brazil	222
Germany	49,609	Japan	214
Italy	38,215	Italy	175
France	30,757	Germany	141
Brazil	29,976	Australia	88
Australia	28,479	France	80
Taiwan*	21,841	Canada	76
Canada	21,344	Paraguay	69
733,137		2,089	
World	894,567	World	2,402
Top ten	82%	Top ten	87%

New confirmed cases by continent

Line: 7-day moving ave
 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

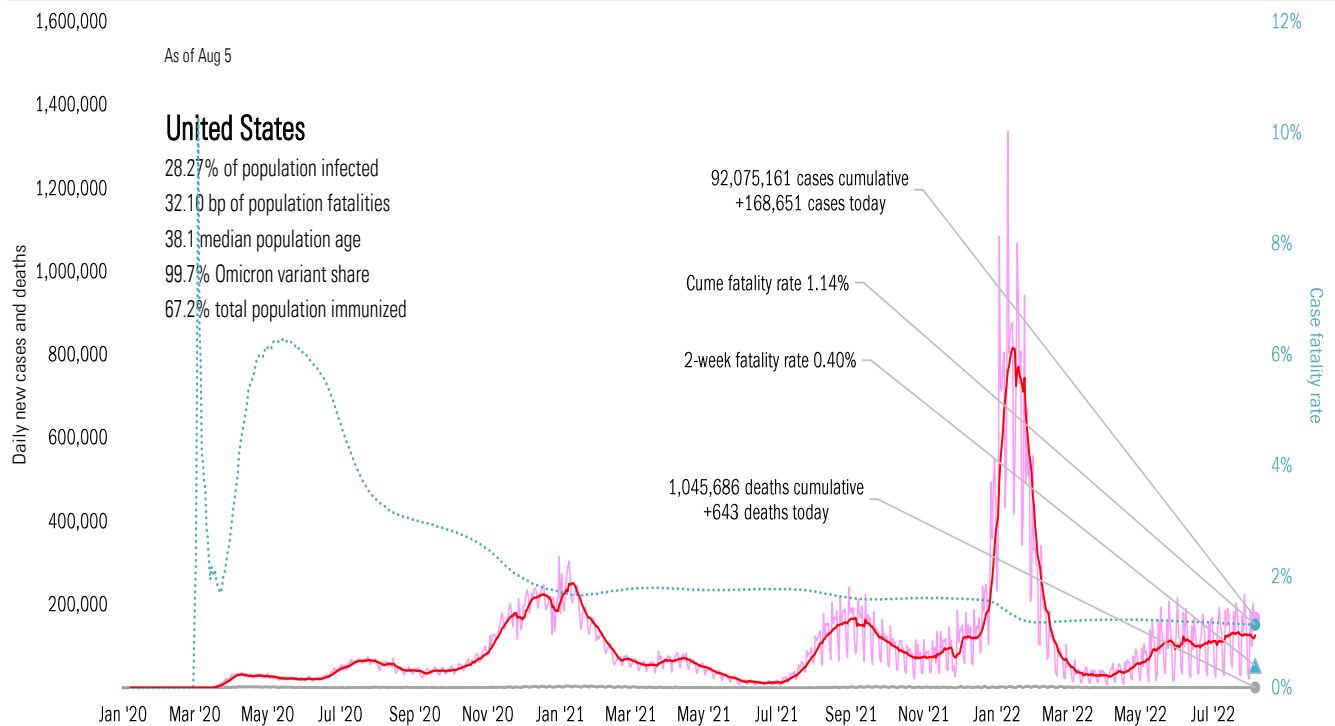
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	36,898		CA	128		TX	622		CA	10,810,291	CA	93,816	TX	524,641		RI	91%	TX	83%		
TX	11,999		FL	69		PA	228		TX	7,611,709	TX	89,463	CA	474,384		MA	87%	NC	83%		
MA	10,584		MO	60		GA	287		FL	6,844,831	FL	77,934	FL	468,766		MN	85%	RI	83%		
MO	9,871		NY	31		WI	106		NY	5,861,208	NY	70,490	NY	283,038		GA	83%	MA	82%		
NY	7,530		IN	30		OK	97		IL	3,594,415	PA	46,261	GA	217,107		WV	83%	AK	82%		
KS	6,618		VA	30		LA	147		PA	3,105,341	GA	39,173	CH	207,049		DE	83%	AL	81%		
IL	6,257		NC	29		NH	36		NC	3,016,395	CH	39,133	PA	193,350		WA	83%	VT	81%		
IN	5,934		WA	28		KY	136		CH	2,976,027	IL	38,966	IL	176,250		MD	83%	NH	80%		
NC	4,752		OR	19		CH	263		GA	2,778,580	MI	37,534	MI	154,339		MO	82%	MI	78%		
OK	4,367		GA	18		IL	231		MI	2,692,485	NJ	34,326	KY	139,563		DC	81%	CR	78%		
104,810			442			2,153			49,291,282			567,096			2,838,487						
All states	168,651		643			6,491			All states	92,075,161	1,045,686			5,151,272			All states	70%	67%		
Top ten	62%		69%			33%			Top ten	54%	55%			55%			Median	76%	73%		

Some states not reporting

Five most improved US states

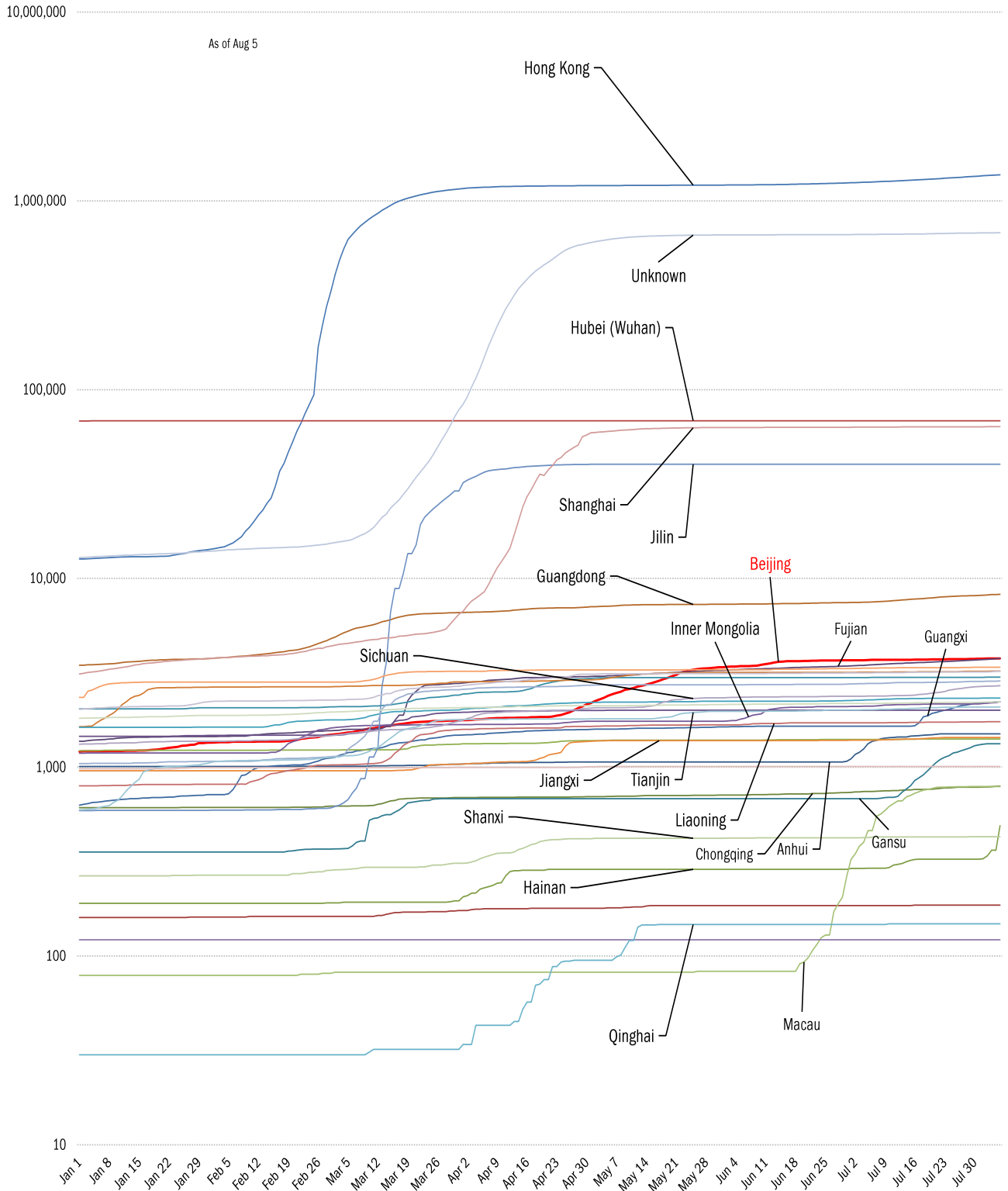
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
FL	-6,461	NY	-38	VA	-48
NY	-3,662	IL	-23	SC	-32
AL	-2,008	TX	-21	CT	-31
TN	-541	WA	-17	CA	-28
CO	-428	CO	-15	NE	-25



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"

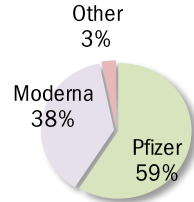


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	619,466,336		+0.084 million		US	67.2%	78.8%	
of which boosters	109,565,113		+0.054 million		UK	75.0%	79.8%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.6%	80.9%
Total population	269,710,457	81%	229,430,100	69%	+0.021 million	Spain	85.5%	86.9%
Age 12 to 17	18,032,248	71%	15,411,357	61%	+0.003 million	Germany	76.0%	77.6%
Age 18 to 64	180,358,338	89%	153,011,960	75%	+0.013 million	Italy	81.0%	85.8%
Age 65 and over	59,584,000	100%	52,121,257	95%	+0.004 million	Australia	83.9%	86.4%
						Israel	66.2%	72.3%
						Canada	82.6%	86.0%
						Japan	82.3%	83.4%
						Africa	20.9%	26.6%
						India	66.4%	72.6%
						Brazil	79.4%	86.4%
						China	88.7%	91.1%



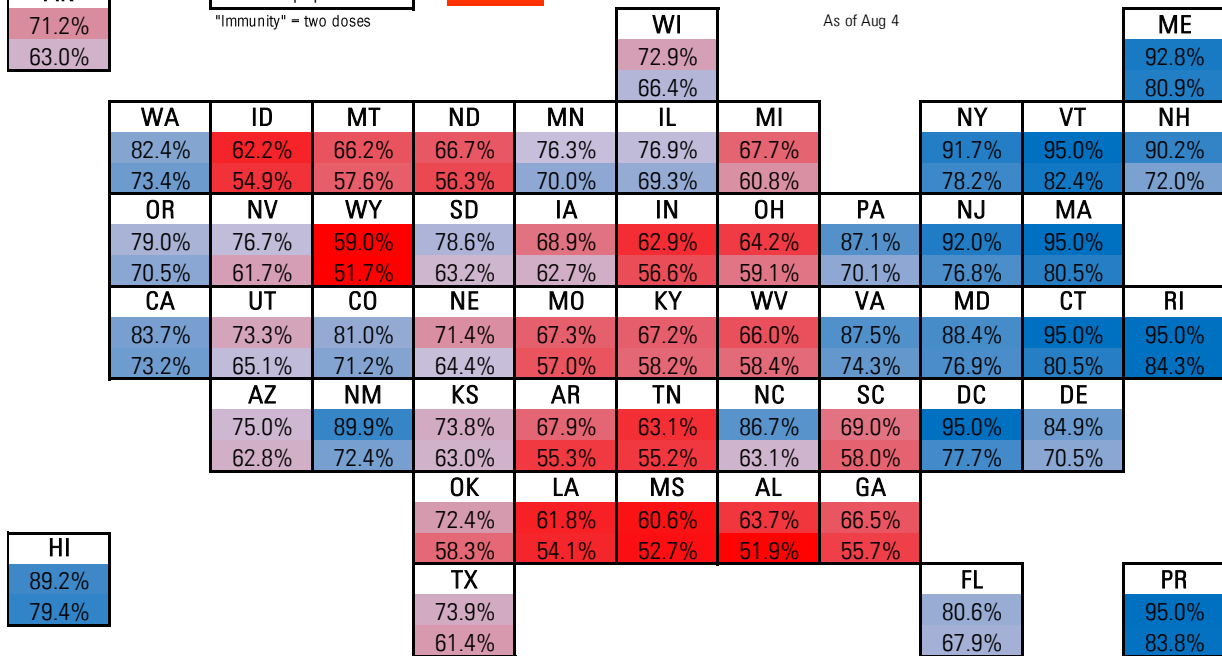
AK
71.2%
63.0%

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

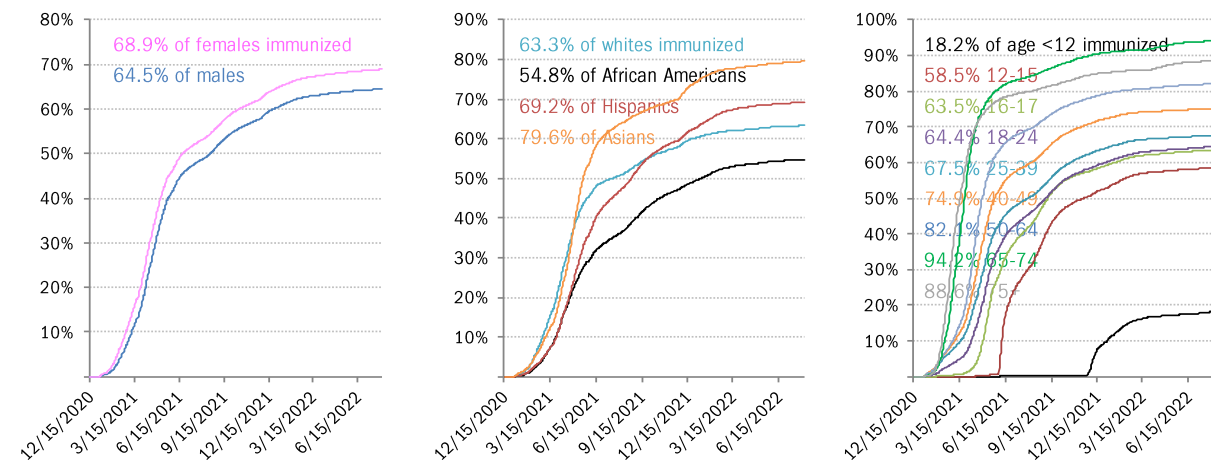
"Immunity" = two doses

Best
Middle
Worst

Global data differs due to sources, timing



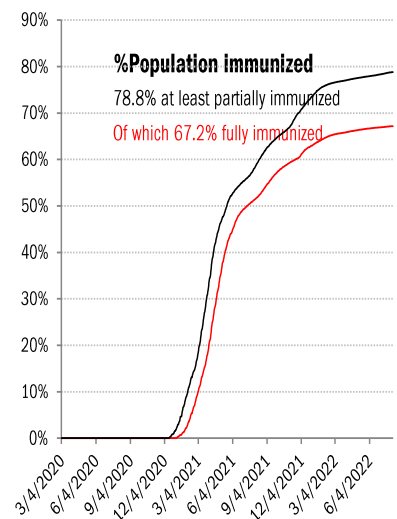
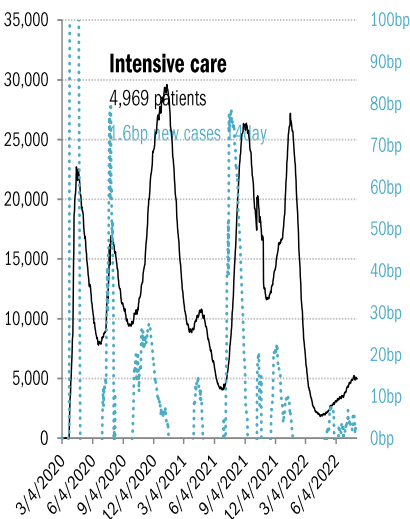
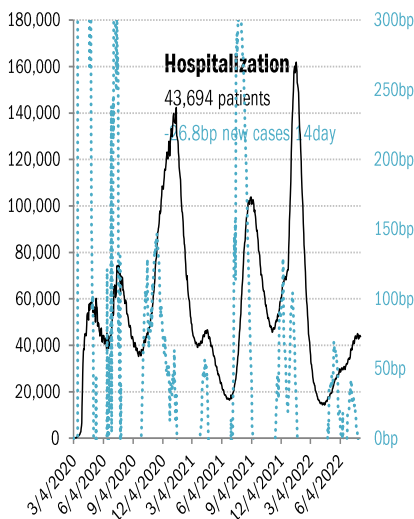
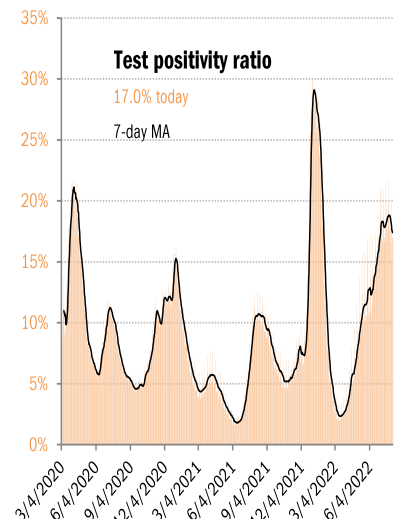
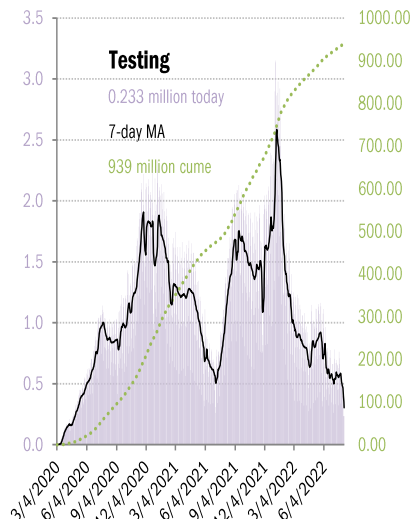
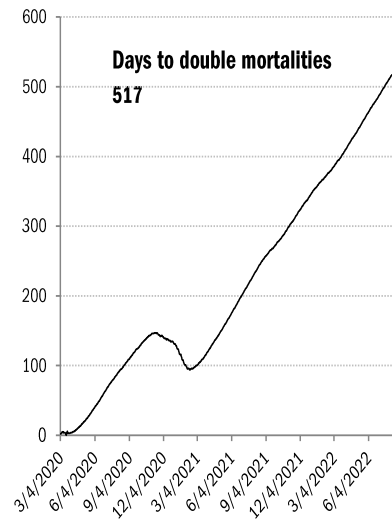
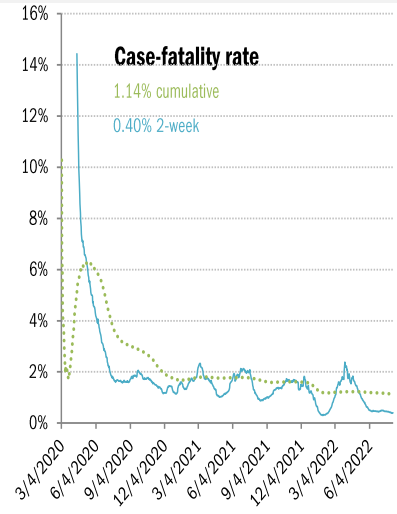
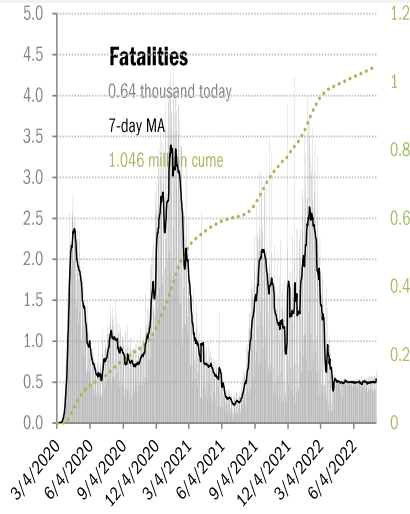
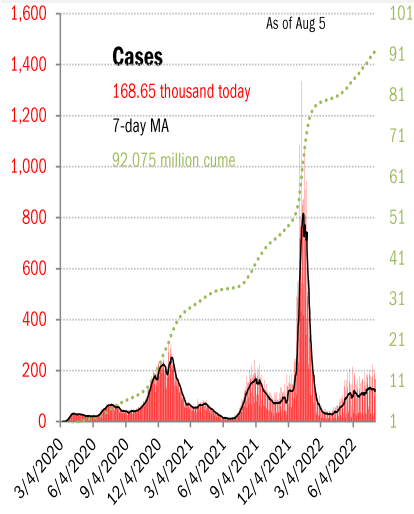
The demographics of US vaccination



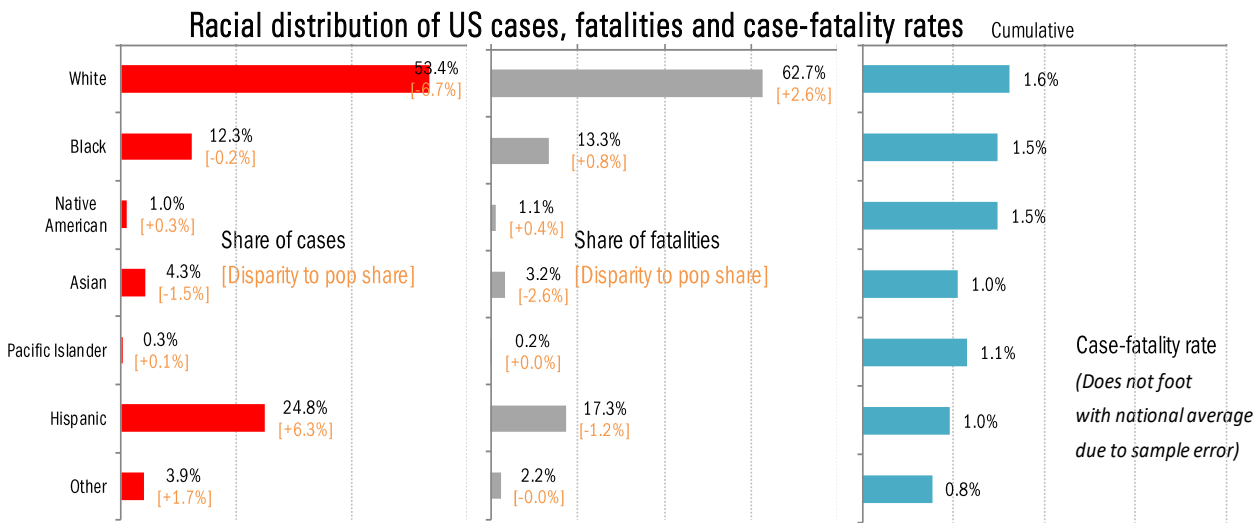
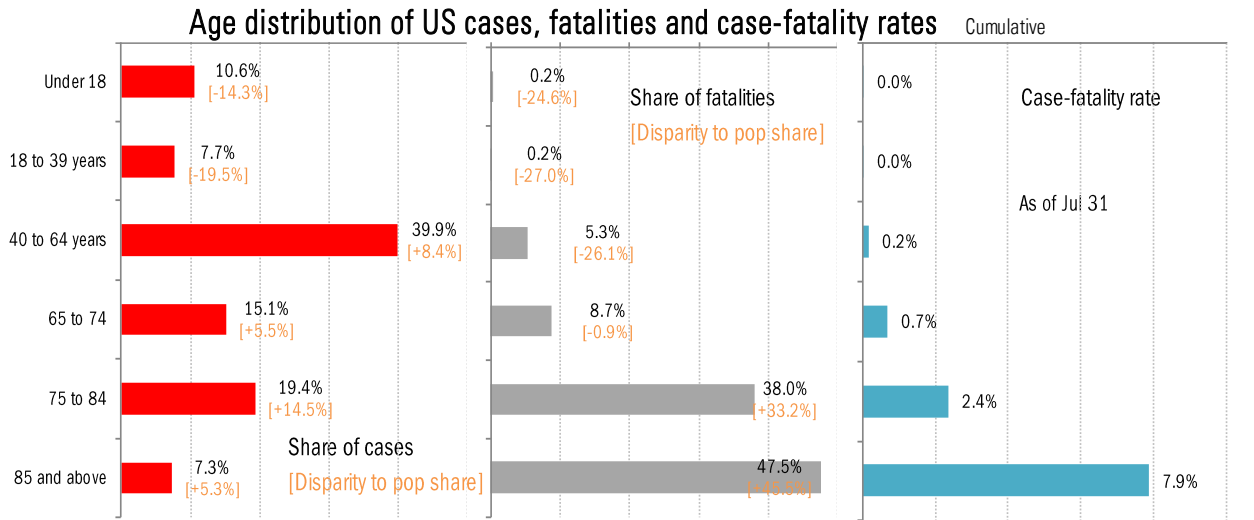
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

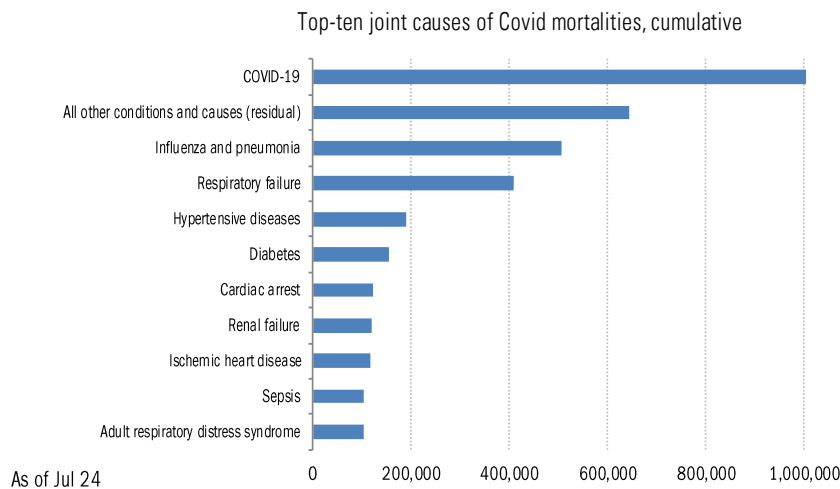
National and state-by-state data do not line up because of different sources



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



Comorbidities



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

[A Stranger Filmed Her on the Train. TikTok Users Decided She Had Monkeypox.](#)

Madison Malone Kircher
New York Times
August 4, 2022

[Should you get another Covid-19 vaccine booster now or wait for the new shots?](#)

Umair Irfan and Keren Landman
Vox
August 4, 2022

[Polio fears rise in New York amid possible community spread](#)

AP
August 4, 2022

[Evidence of Public-Private Collusion Complicates Online Censorship Debate](#)

Bret Swanson
AEI Ideas
August 5, 2022

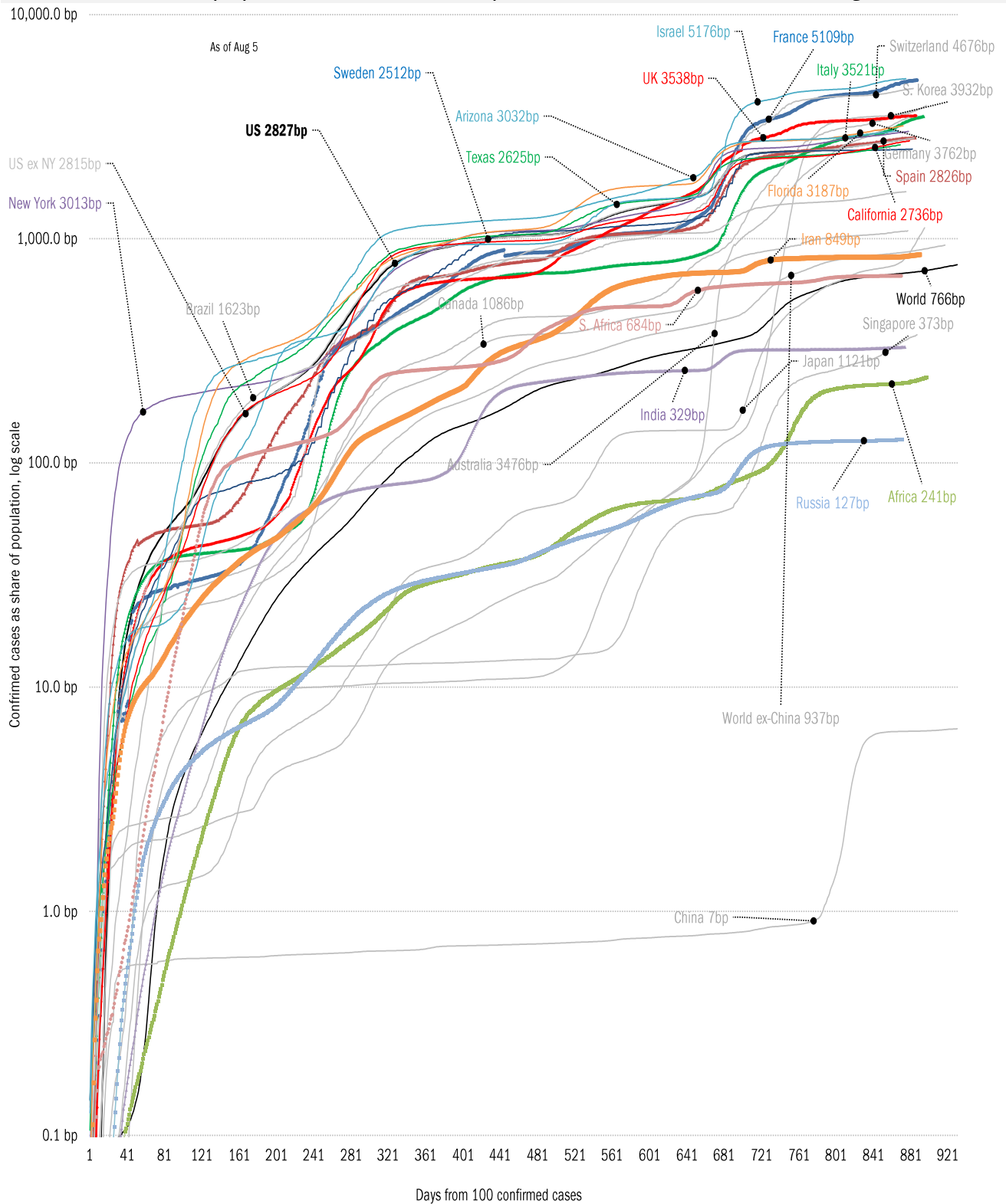
Meme of the day



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

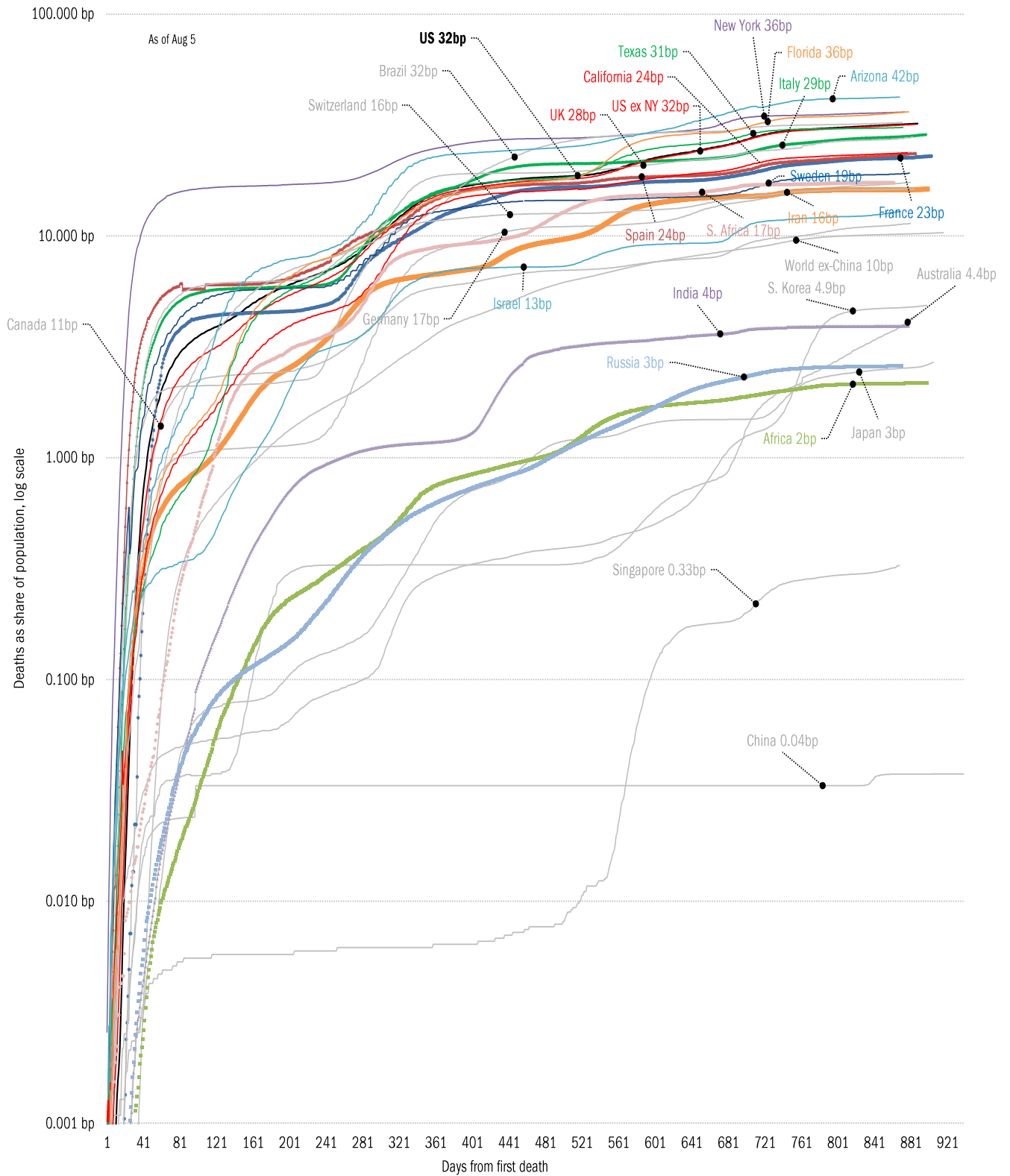
The global coronavirus case accelerometer... tracking the world's infection curves

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

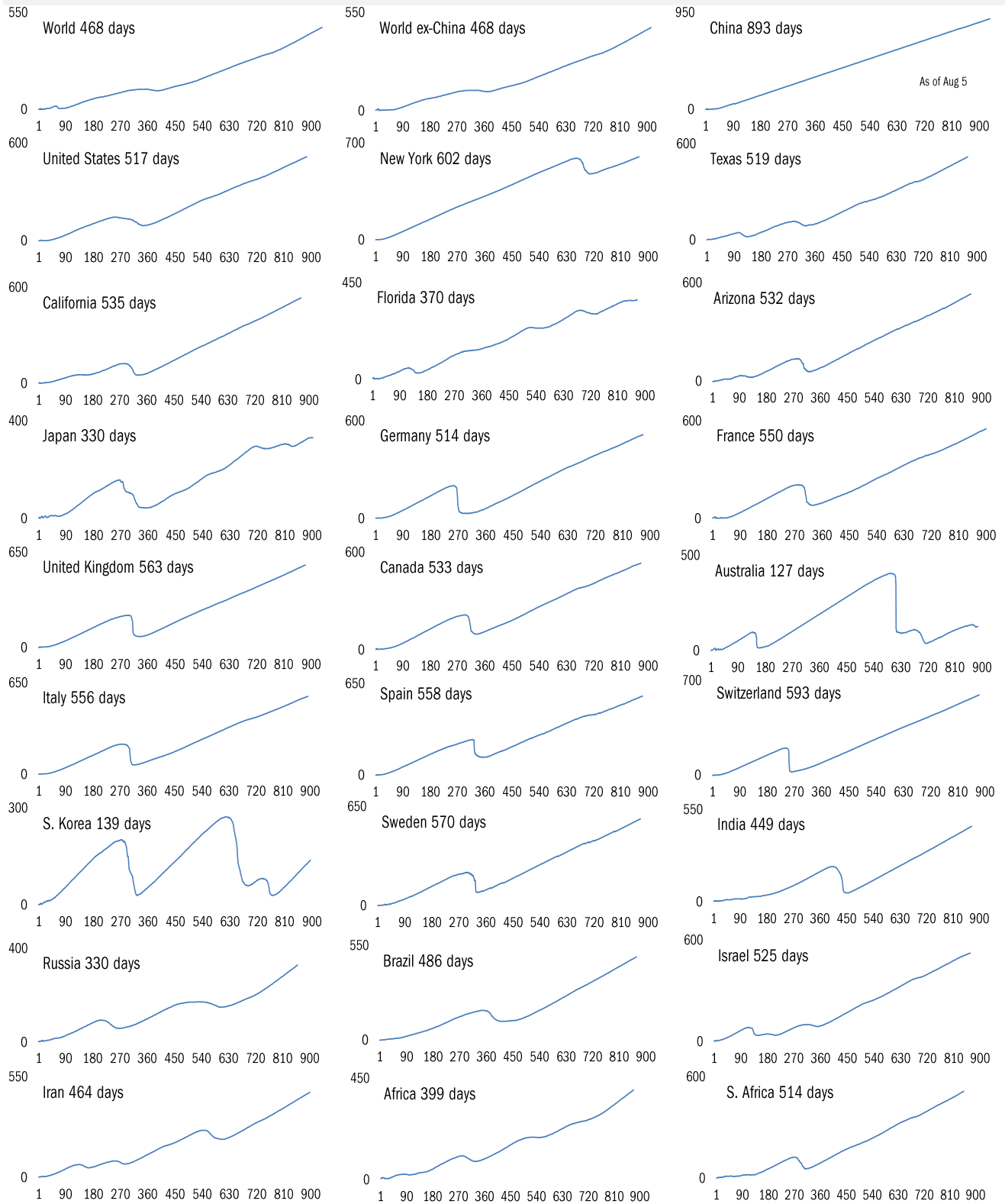


Source: [Johns Hopkins](#), TrendMacro calculations

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

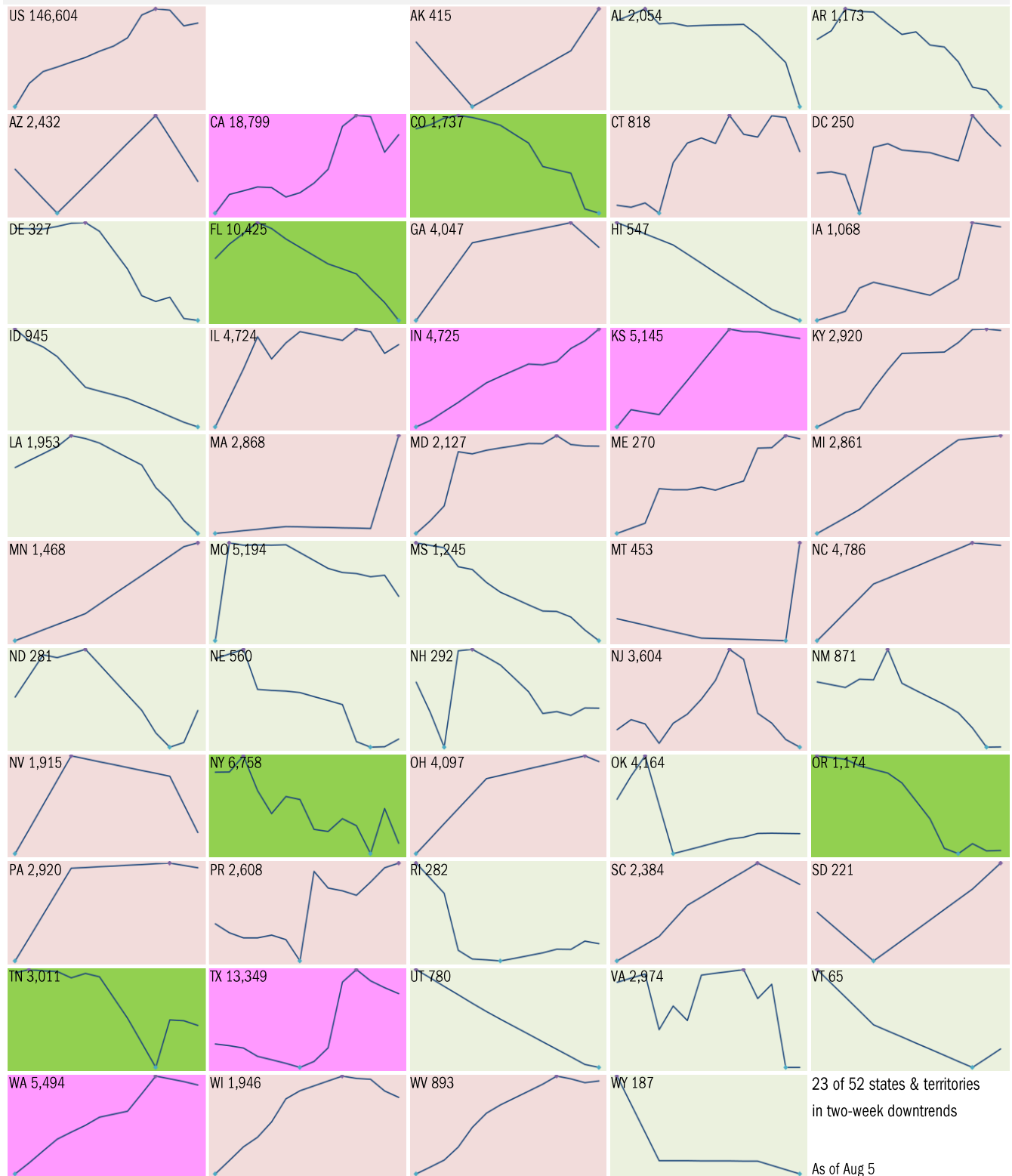


Source: [Johns Hopkins](#), TrendMacro calculations

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

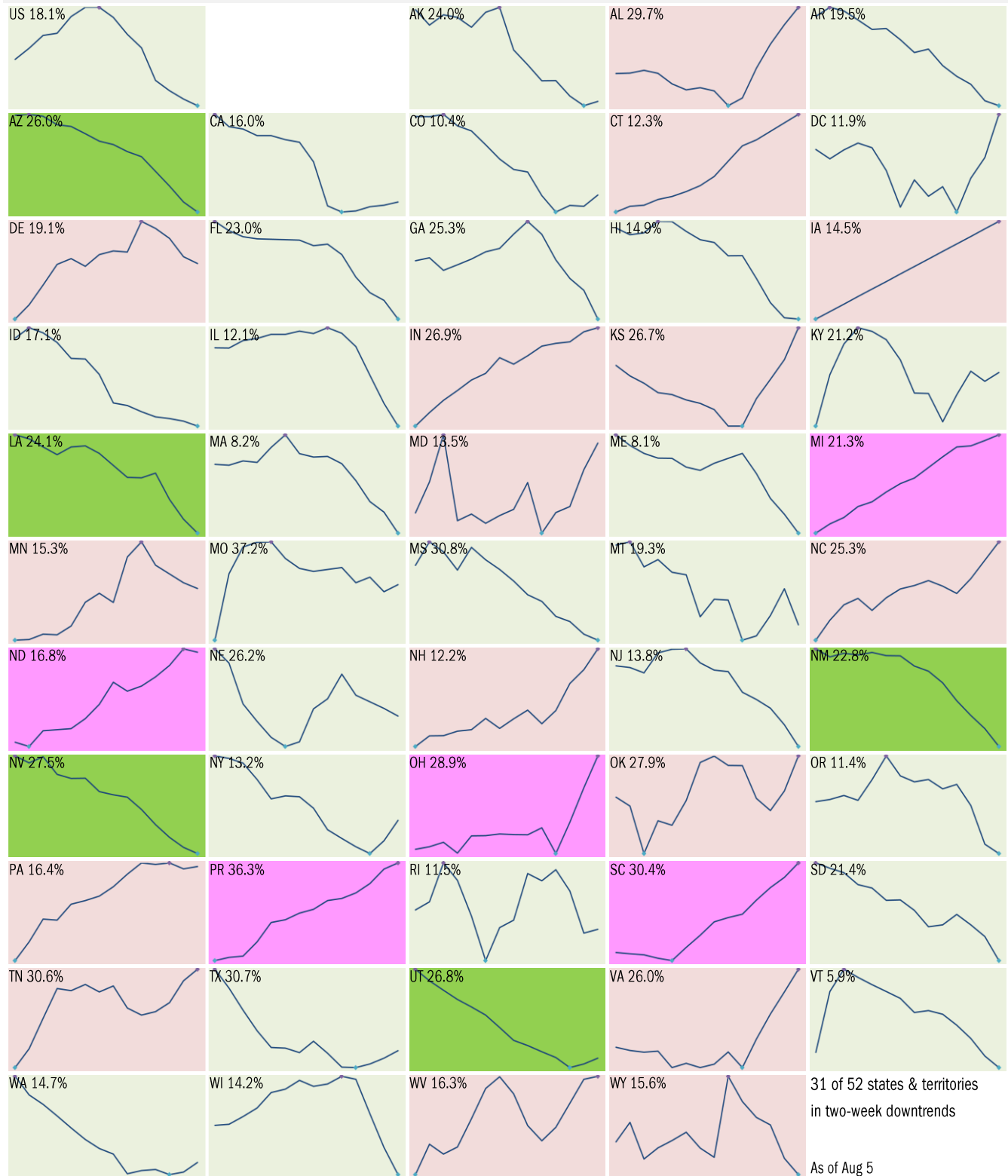


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

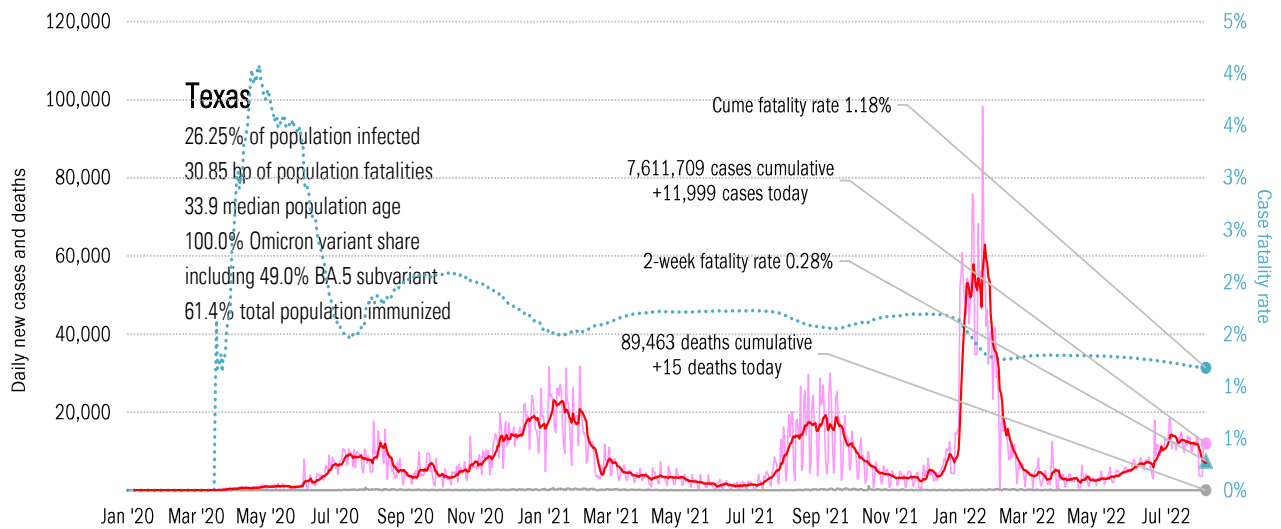
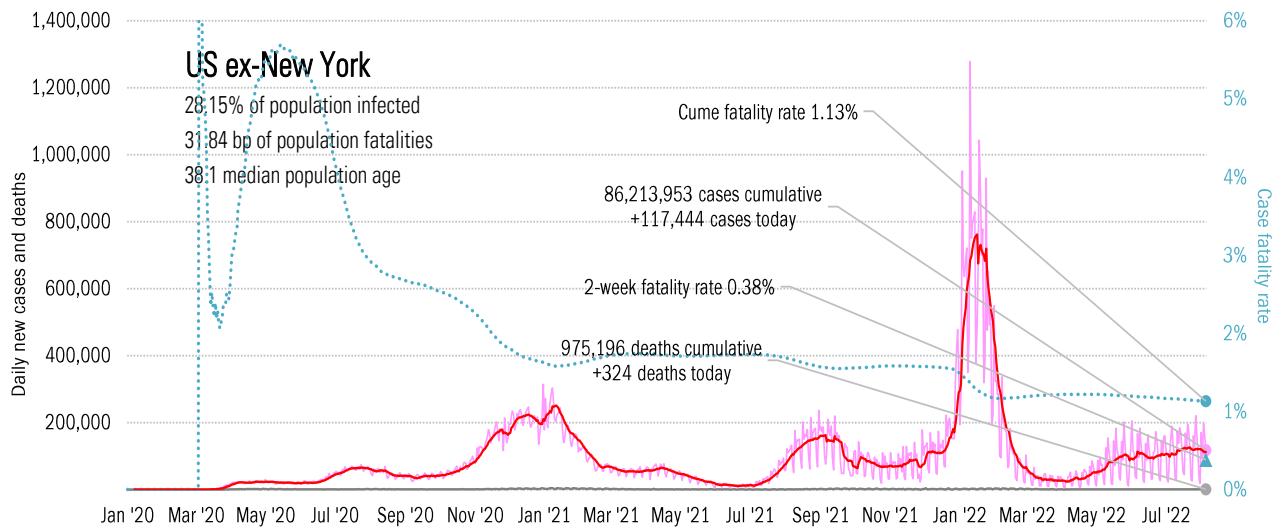
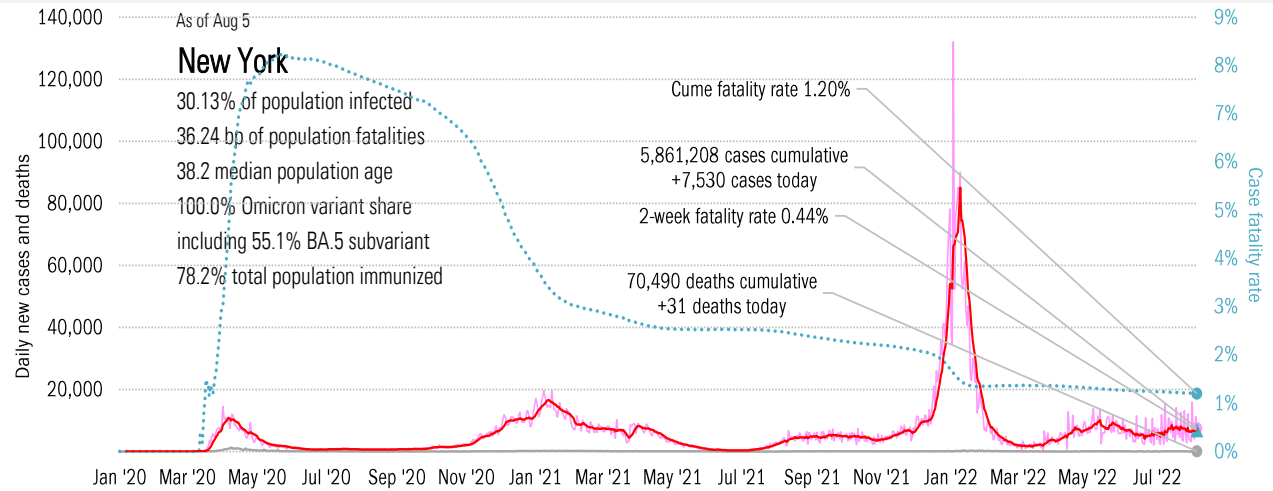
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Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande

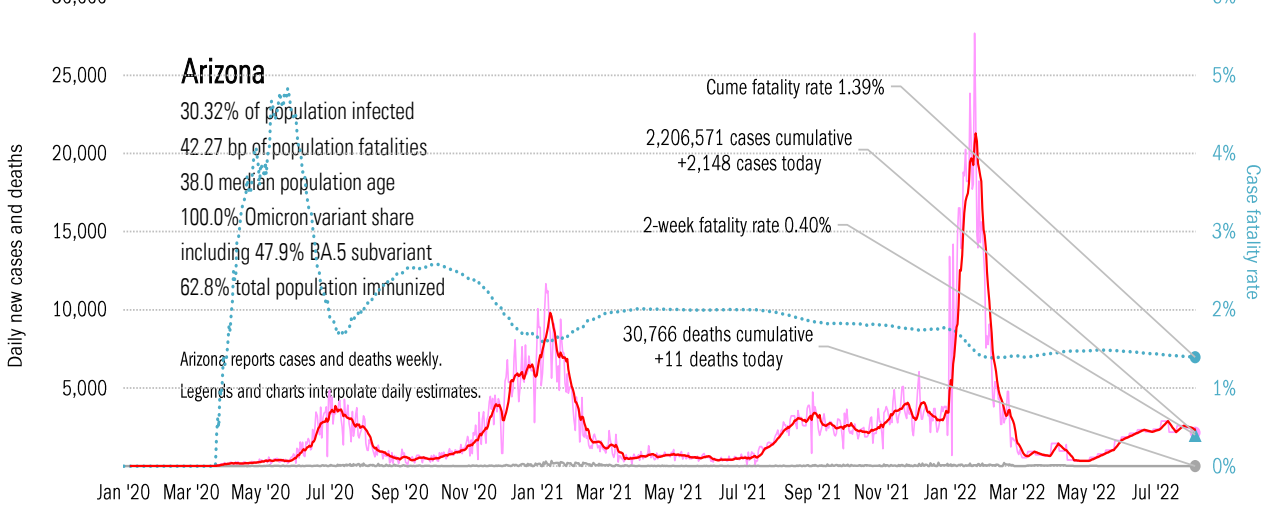
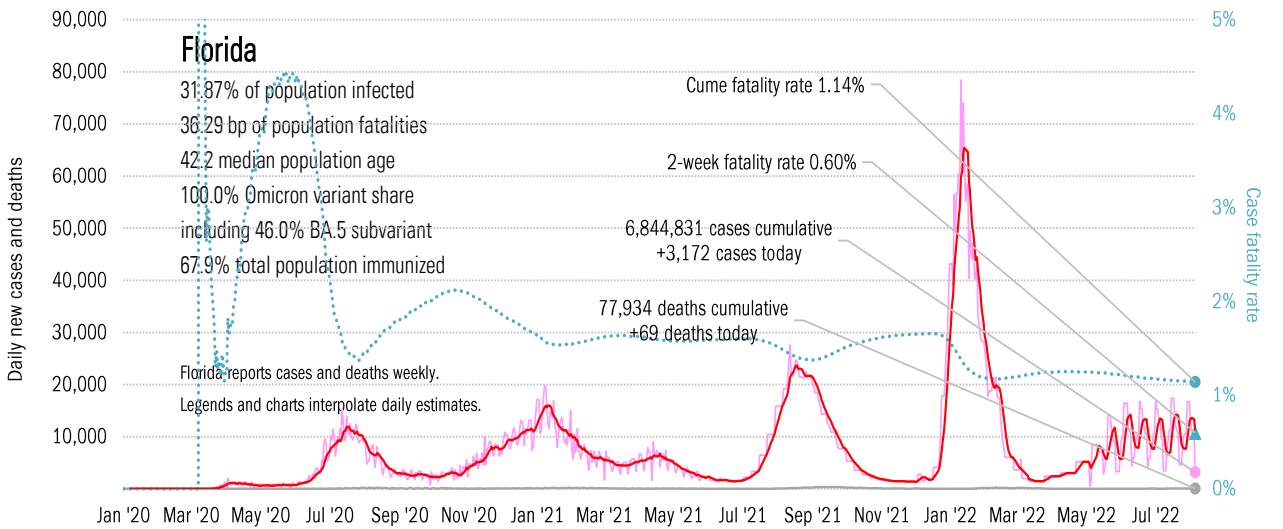
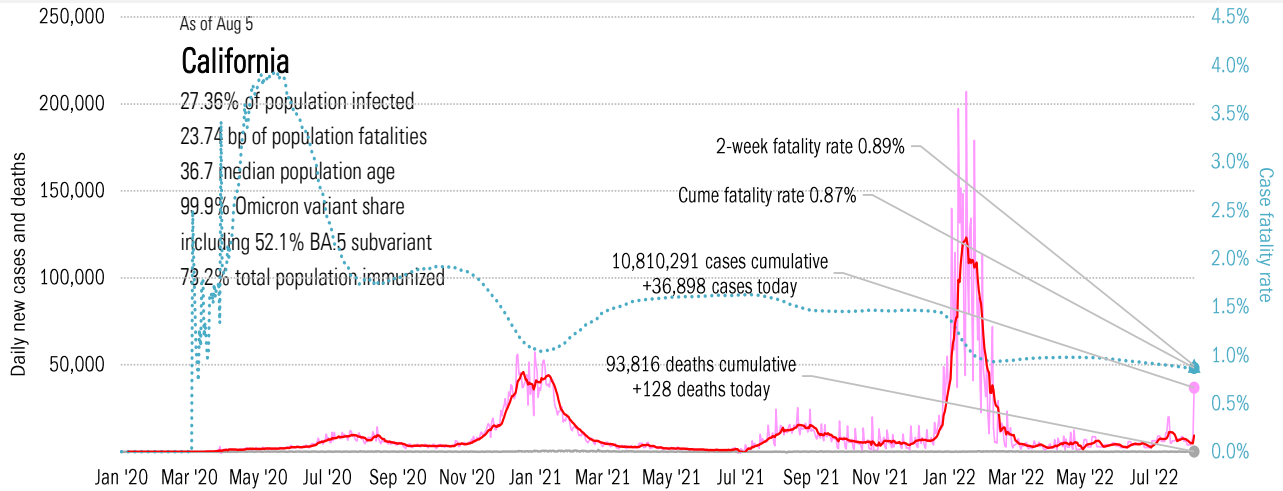
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

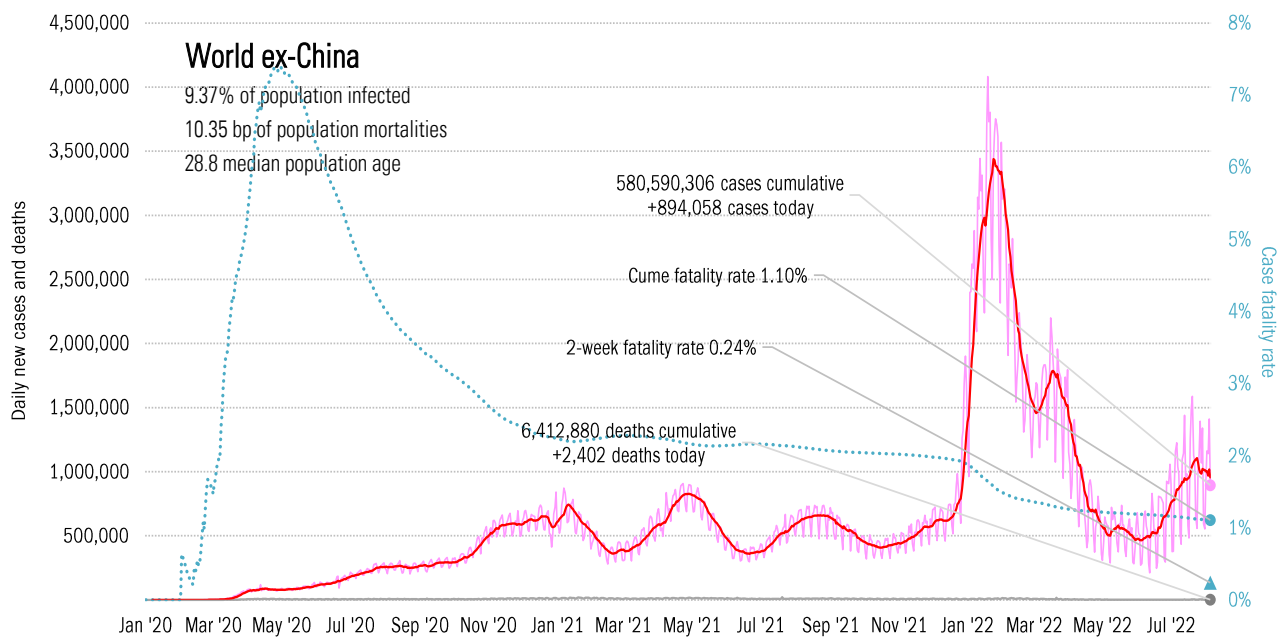
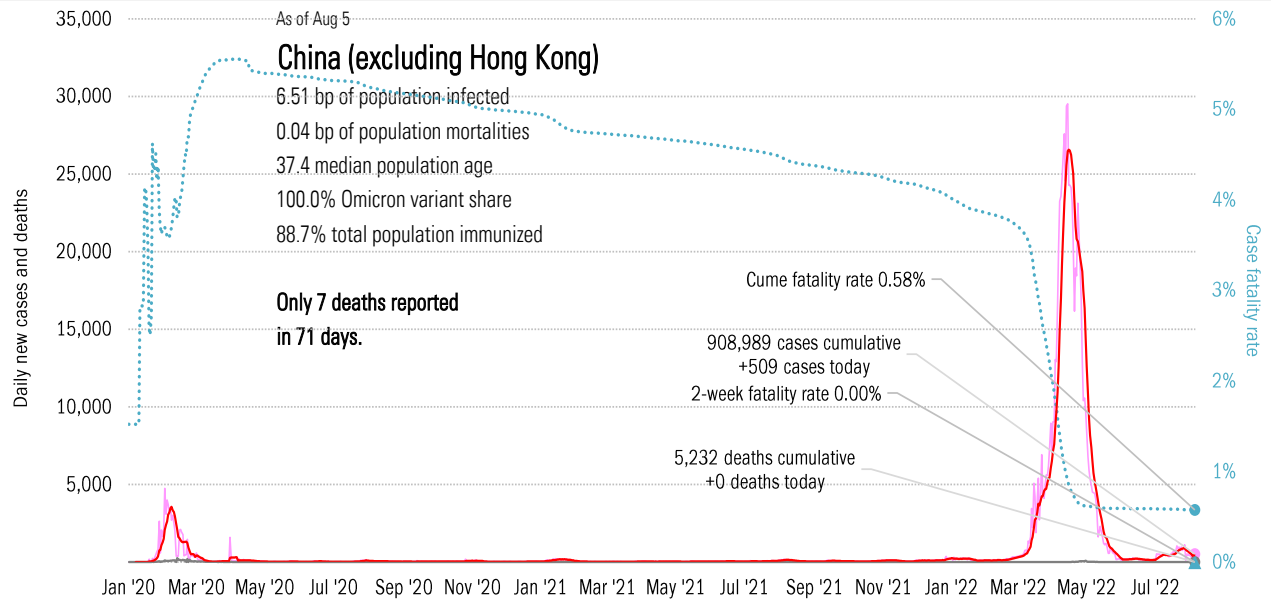
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

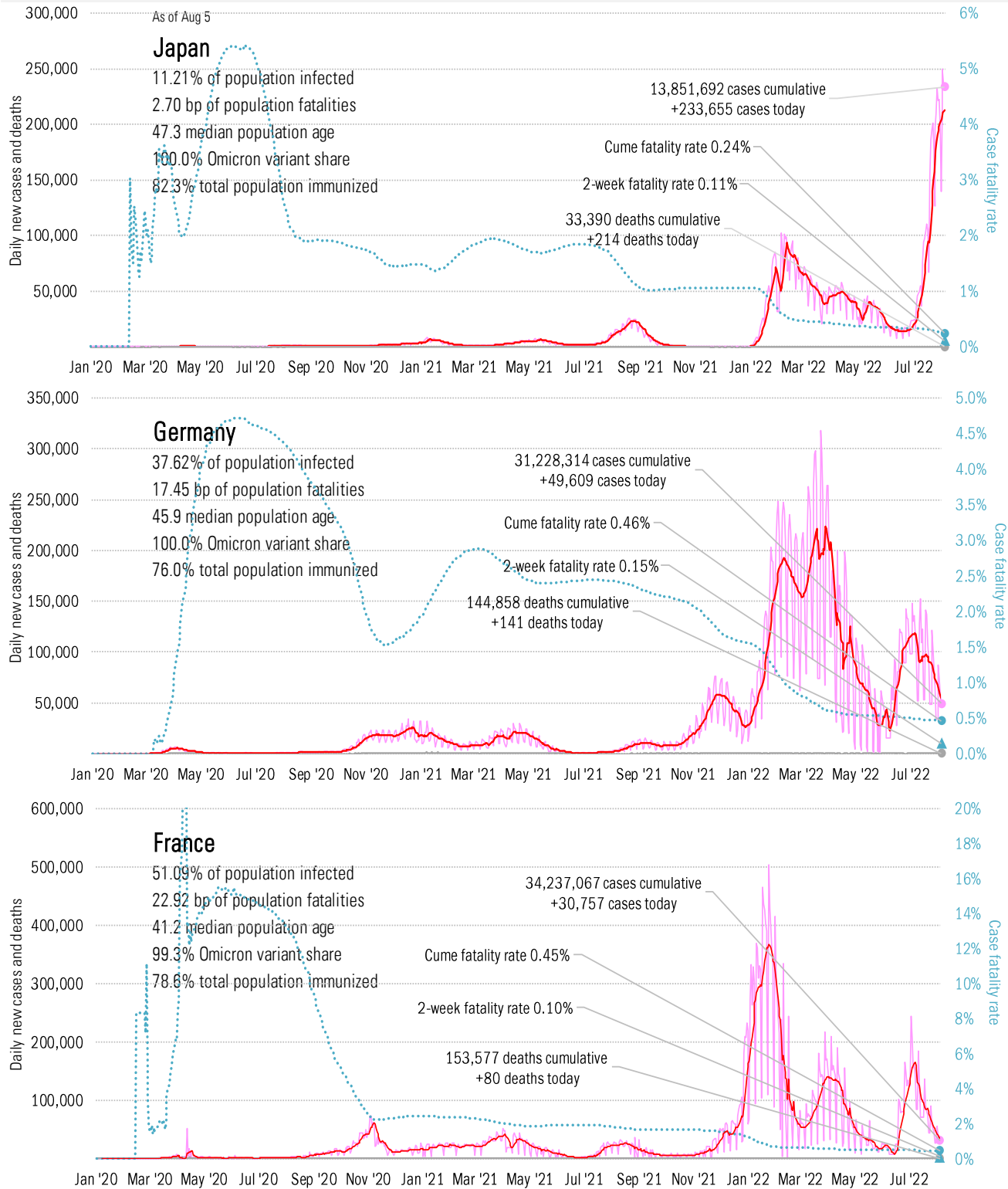
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

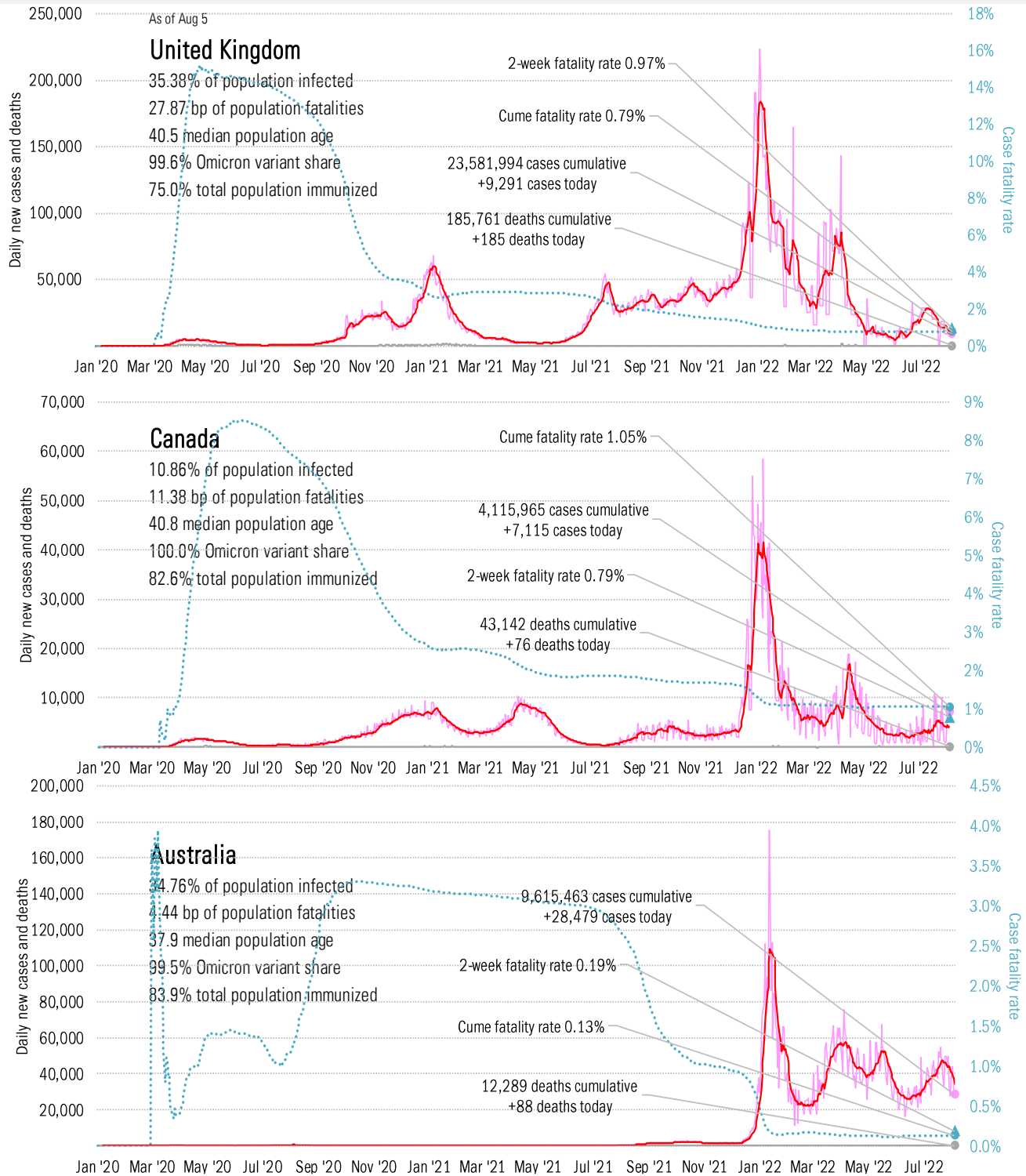
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

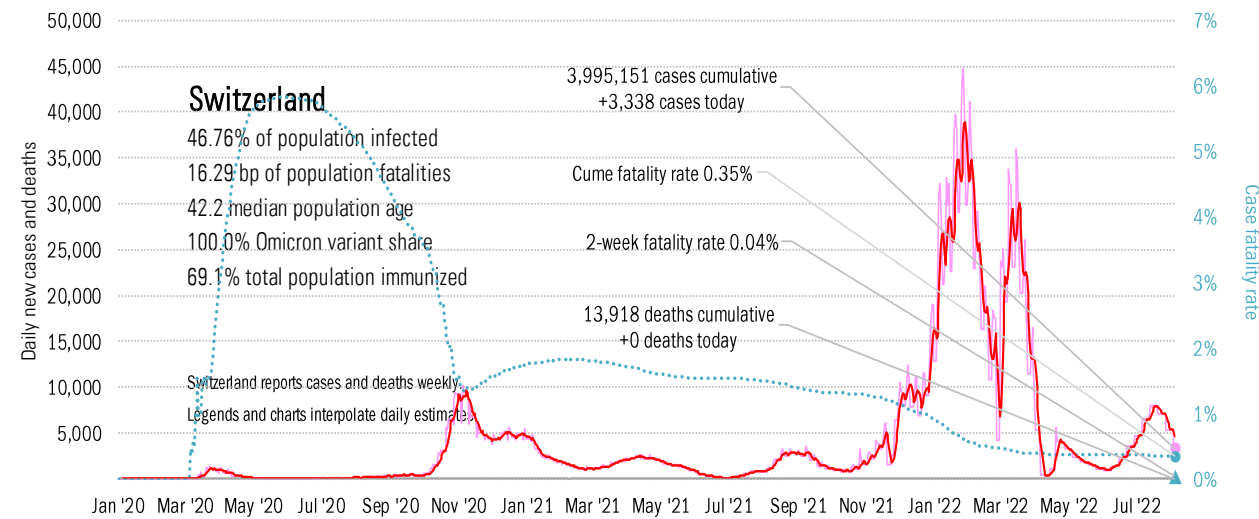
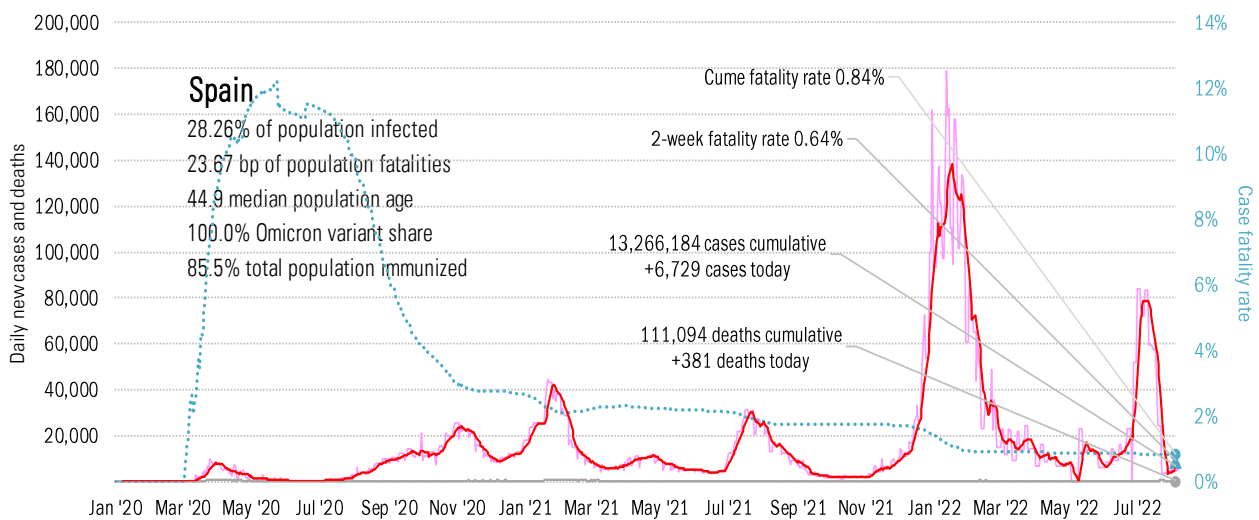
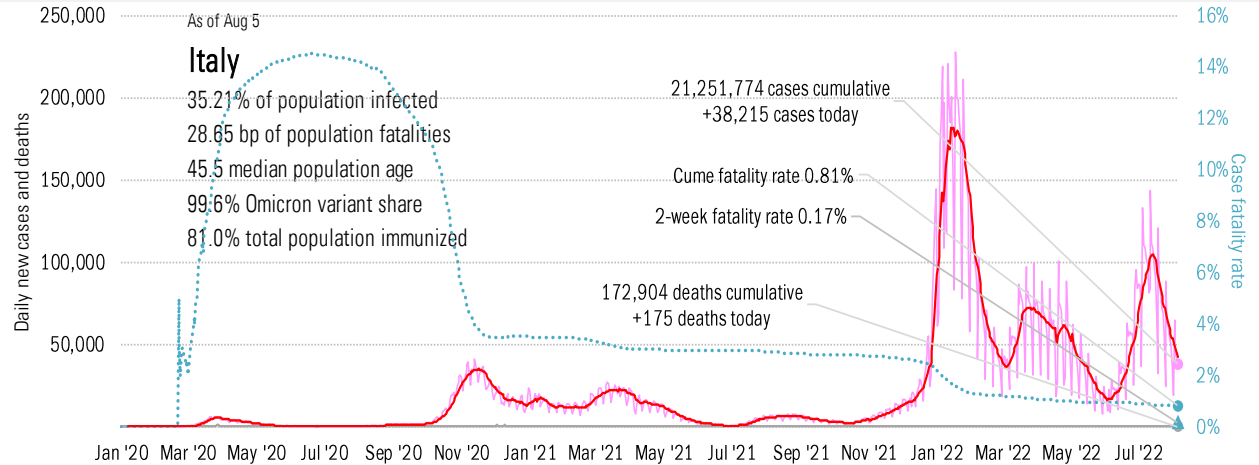
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

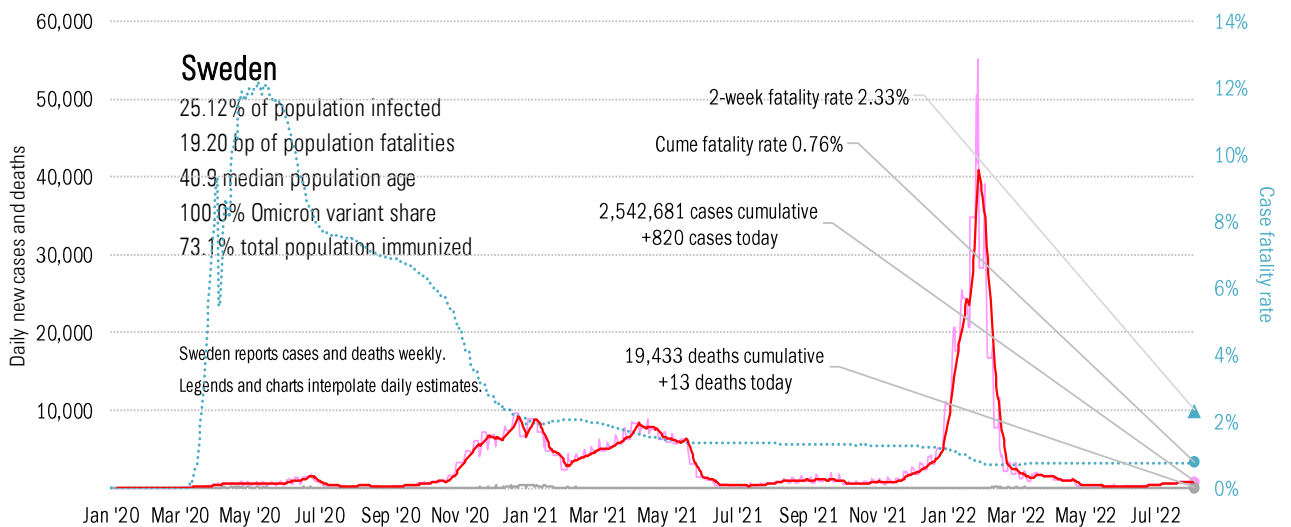
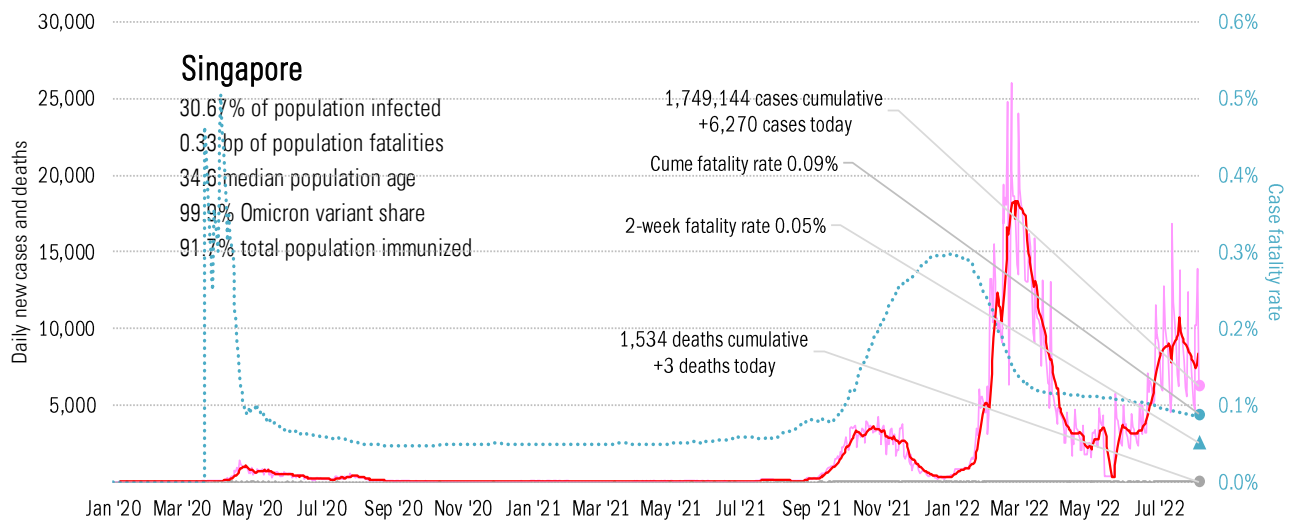
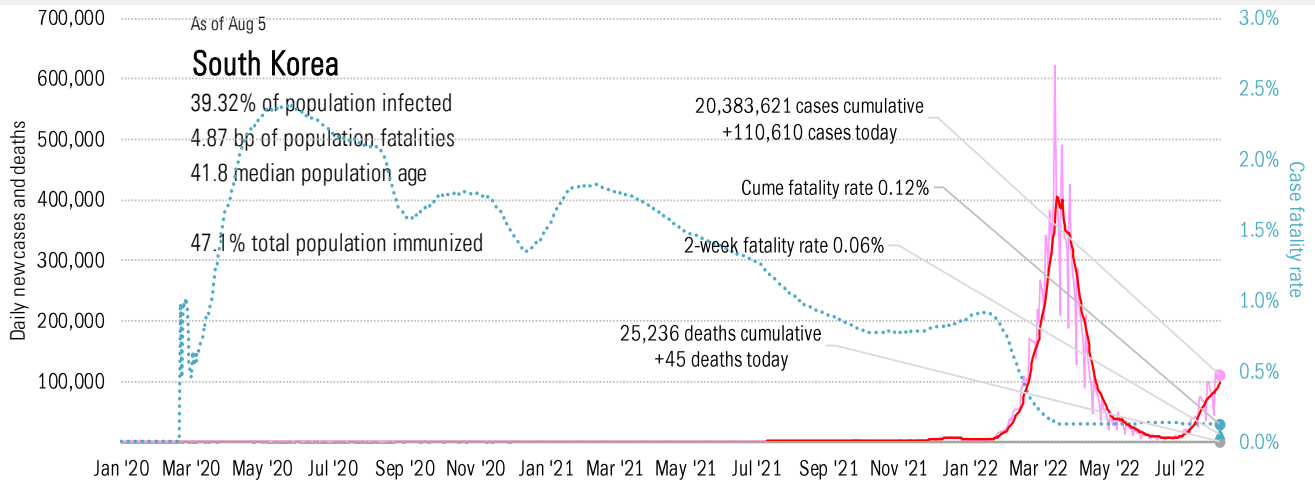
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

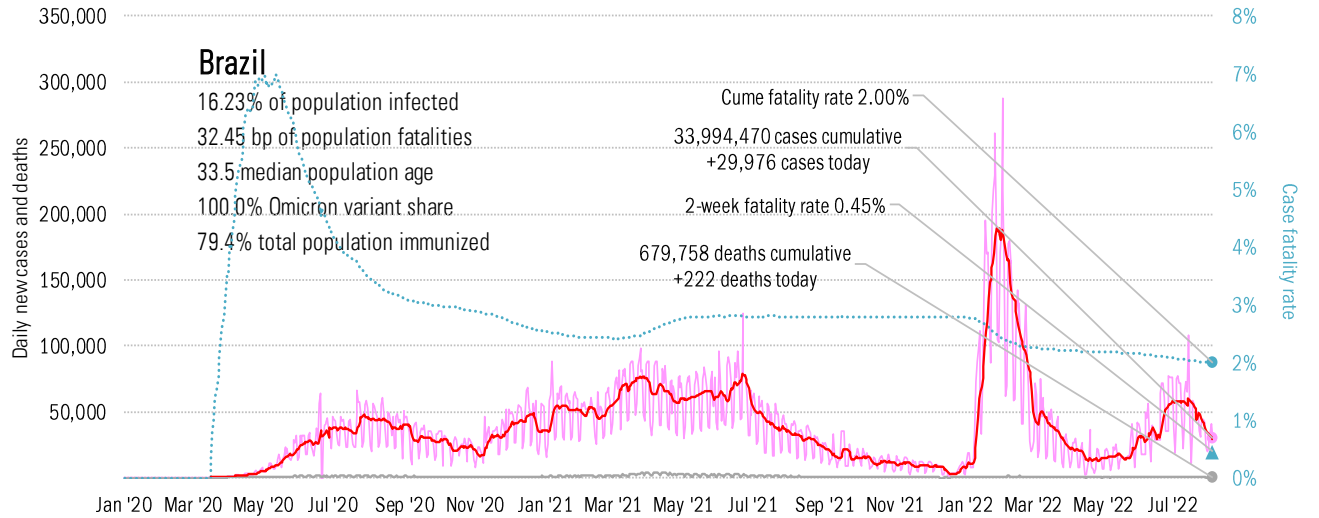
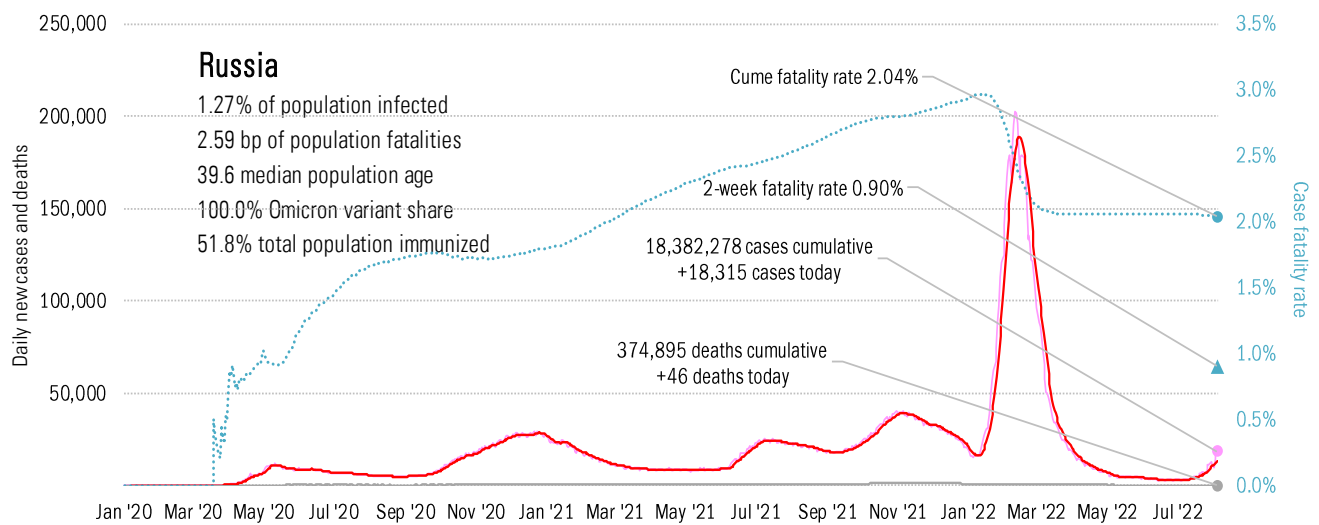
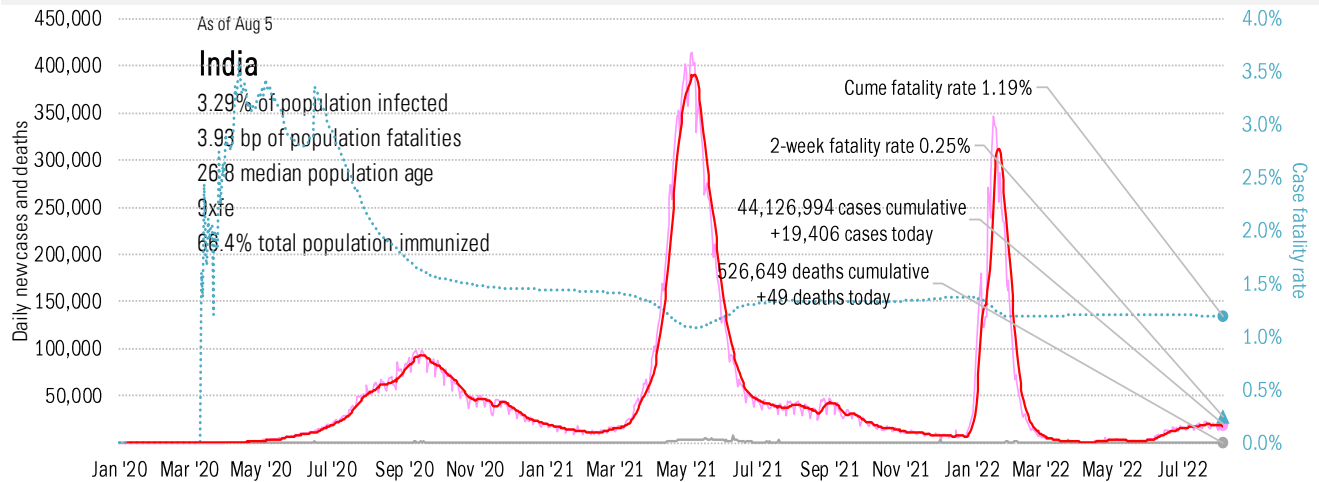
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

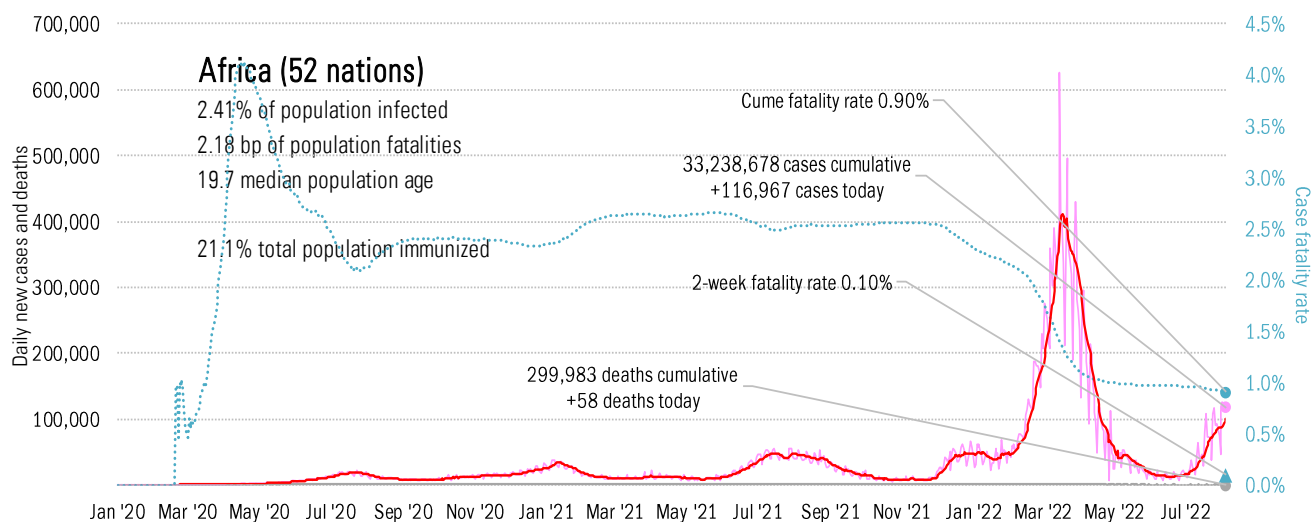
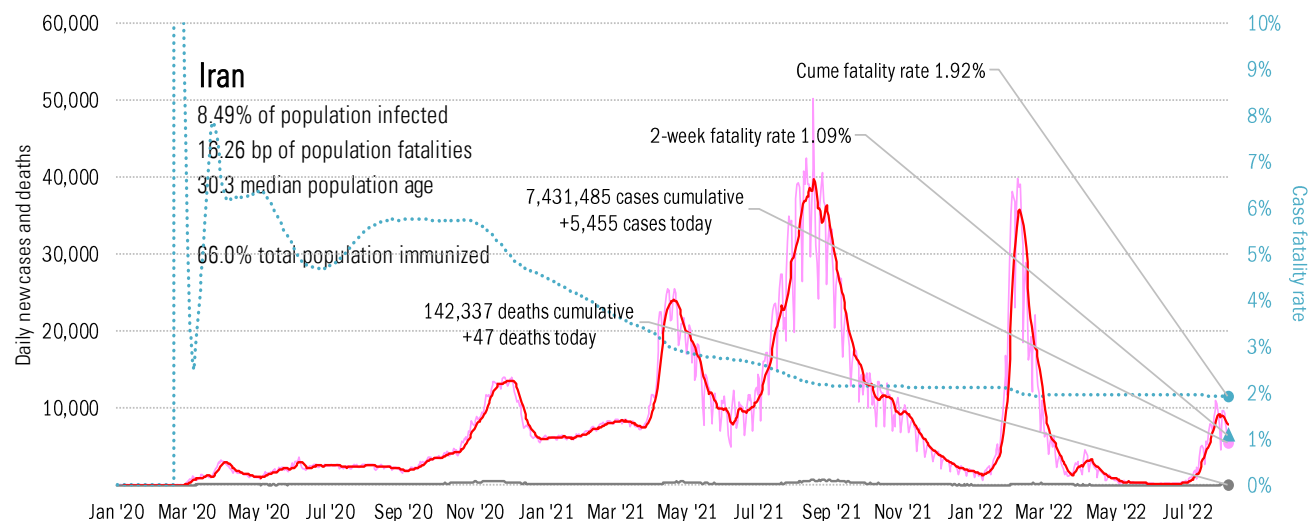
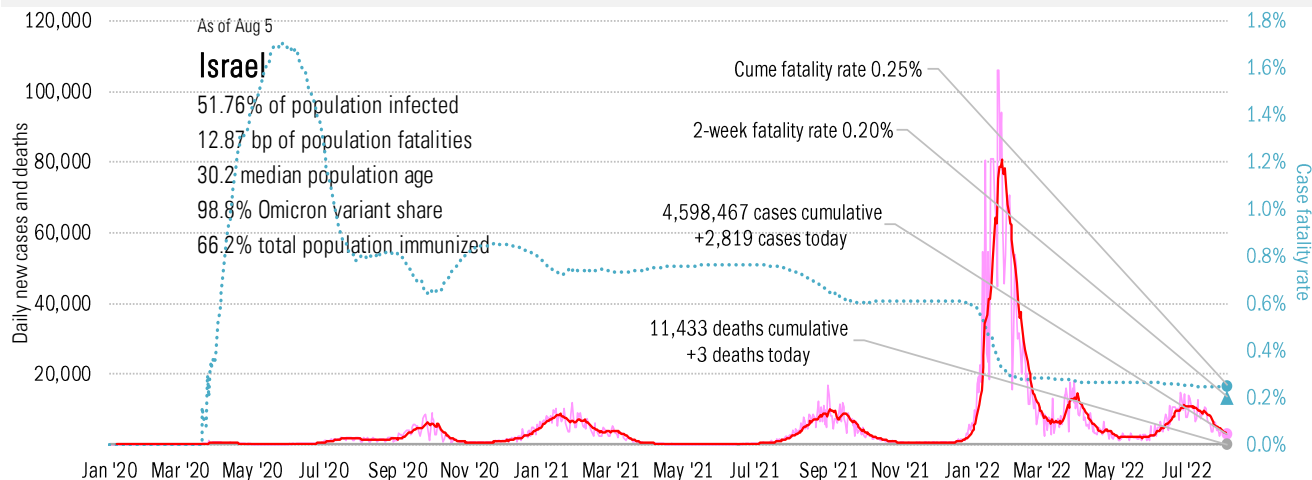
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

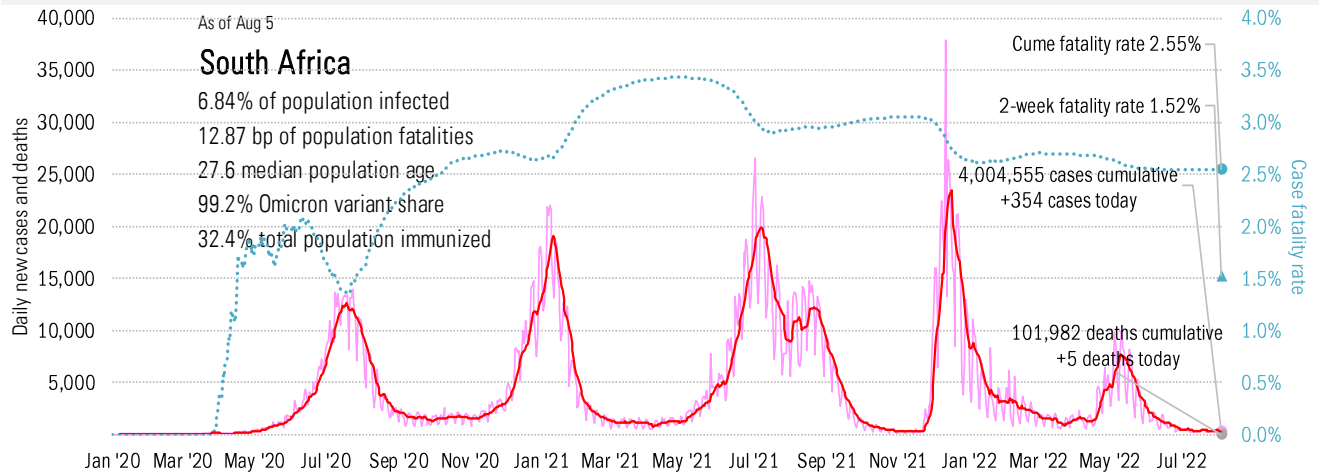
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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