

Data Insights: Covid-2019 Monitor

Thursday, August 18, 2022

The global scorecard

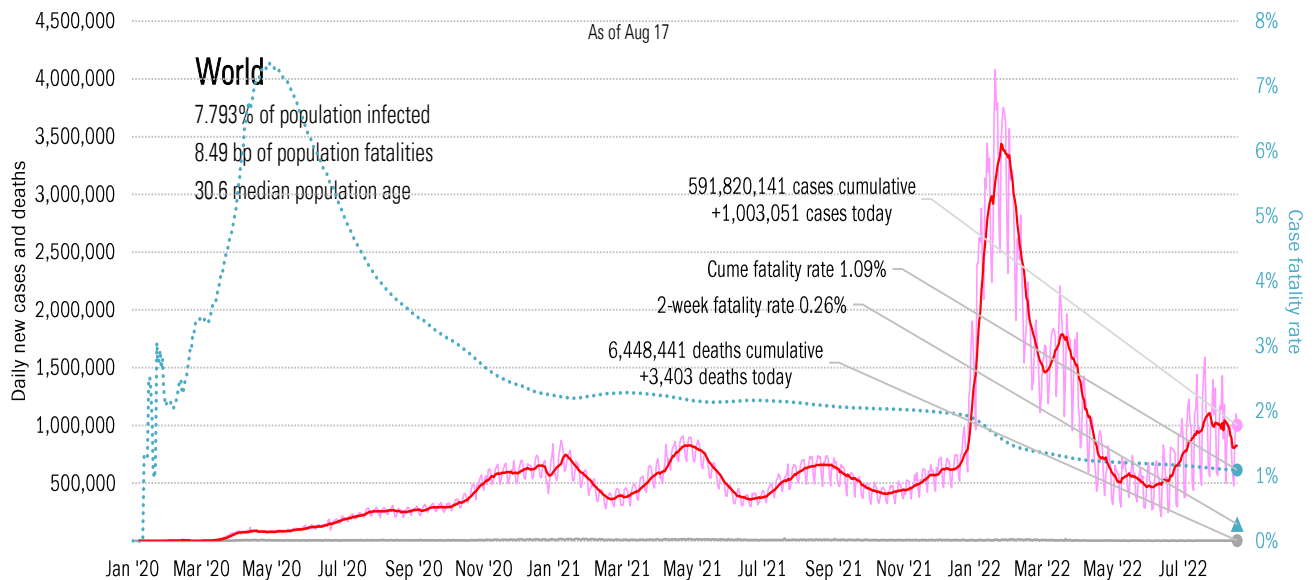
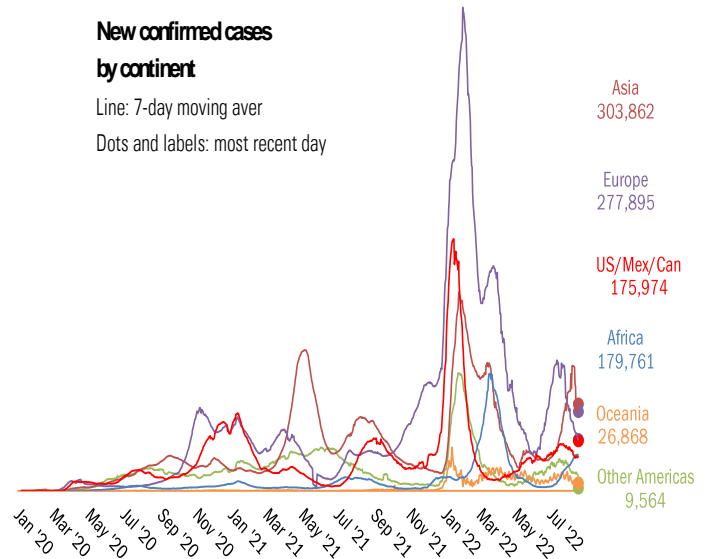
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	231,361	United Kingdom	932
Korea, South	178,480	United States	732
United States	116,630	Japan	290
Germany	58,685	Brazil	247
United Kingdom	40,510	Germany	184
Italy	36,261	Australia	129
France	35,936	Italy	128
Russia	32,762	Hungary	117
Taiwan*	24,816	France	93
Brazil	21,927	South Africa	84
777,368		2,936	
World	1,003,051	World	3,403
Top ten	78%	Top ten	86%

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

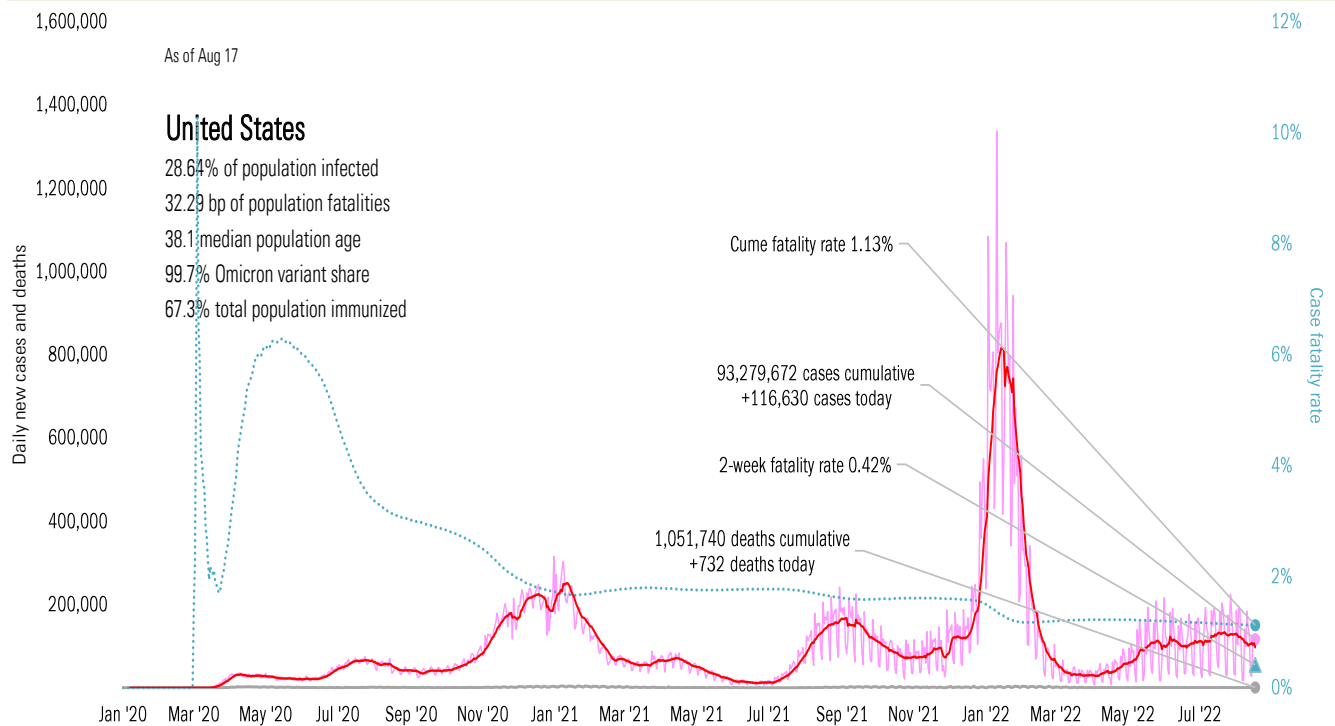
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
PA	20,285		FL	71		PA	241		CA	10,947,264		CA	94,276		TX	530,813		RI	90%	AK	86%
TX	8,790		NY	53		NJ	183		TX	7,738,599		TX	89,911		CA	481,301		MA	86%	TX	82%
NY	8,699		AL	52		PR	31		FL	6,961,383		FL	78,813		FL	476,097		WA	85%	AL	82%
FL	8,607		TX	46		AR	65		NY	5,924,518		NY	70,798		NY	286,911		MN	84%	NC	81%
IN	4,696		WA	43		NE	32		IL	3,636,061		PA	46,494		GA	219,575		AK	83%	WA	81%
CA	4,668		IN	41		UT	46		PA	3,147,474		GA	39,472		CH	209,591		DE	83%	MA	81%
NC	3,906		NE	38		MT	29		NC	3,074,964		CH	39,220		PA	195,859		WV	82%	NM	80%
CH	3,717		CA	36		CR	54		CH	3,002,043		IL	39,145		IL	178,968		GA	82%	GA	79%
GA	3,681		LA	21		MI	181		GA	2,829,283		MI	37,774		MI	156,156		MO	82%	KY	79%
MI	3,309		GA	21		AL	117		MI	2,731,787		NJ	34,425		KY	140,895		MD	81%	MS	79%
70,357			422			979			49,993,376			570,328			2,876,166						
All states	116,630			732			5,688		All states	93,279,672			1,051,740			5,218,704		All states	70%		67%
Top ten	60%			58%			17%		Top ten	54%			55%			55%		Median	76%		72%

Some states not reporting

Five most improved US states

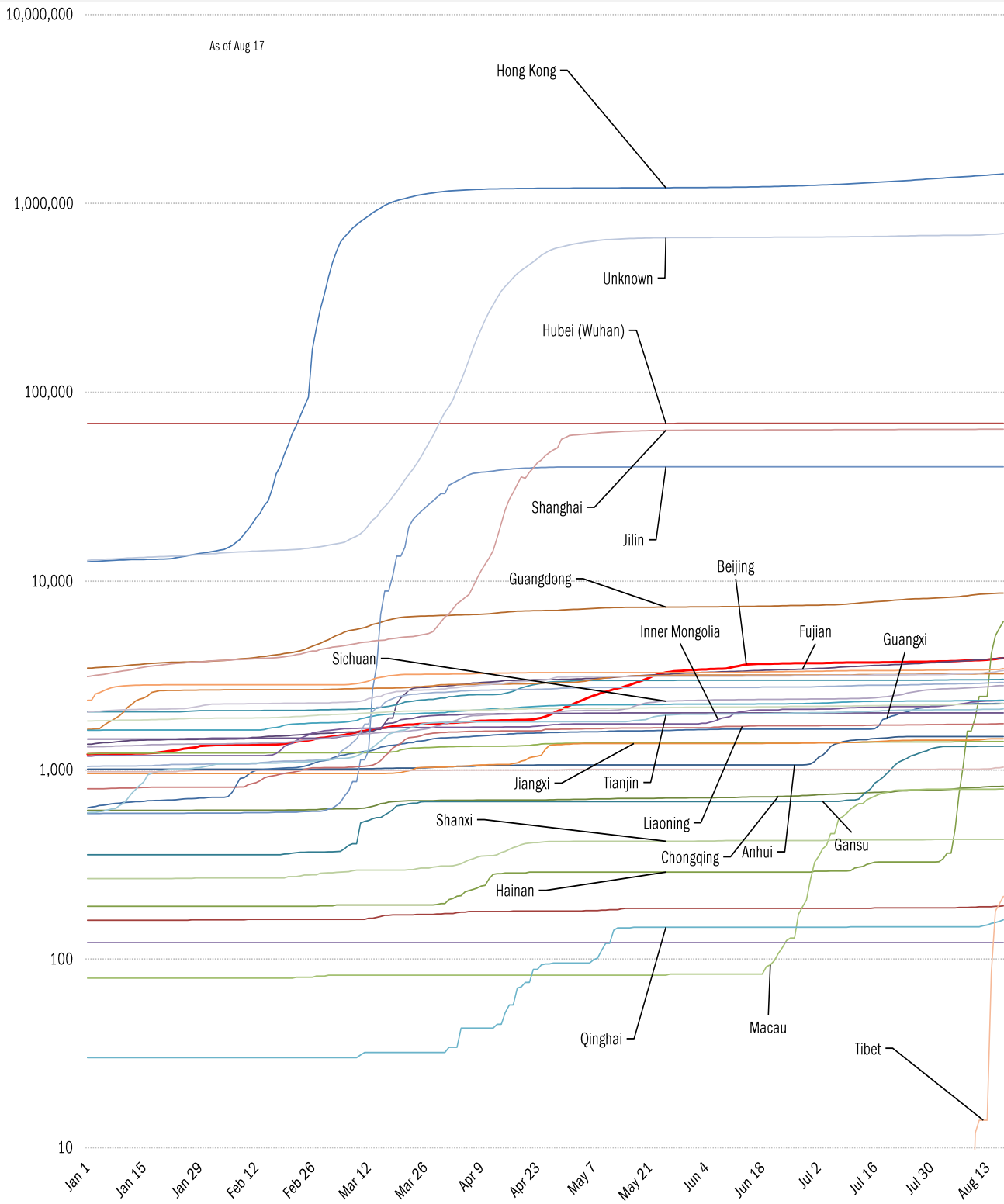
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-10,984	CA	-57	TX	-135
FL	-5,068	CT	-14	IL	-112
MD	-1,654	MD	-12	KY	-63
WA	-1,399	CR	-6	LA	-63
IL	-817	WI	-6	AZ	-61



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"

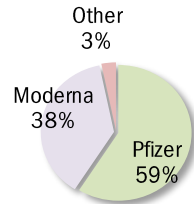


Source: [Johns Hopkins](#), TrendMacro calculations

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%



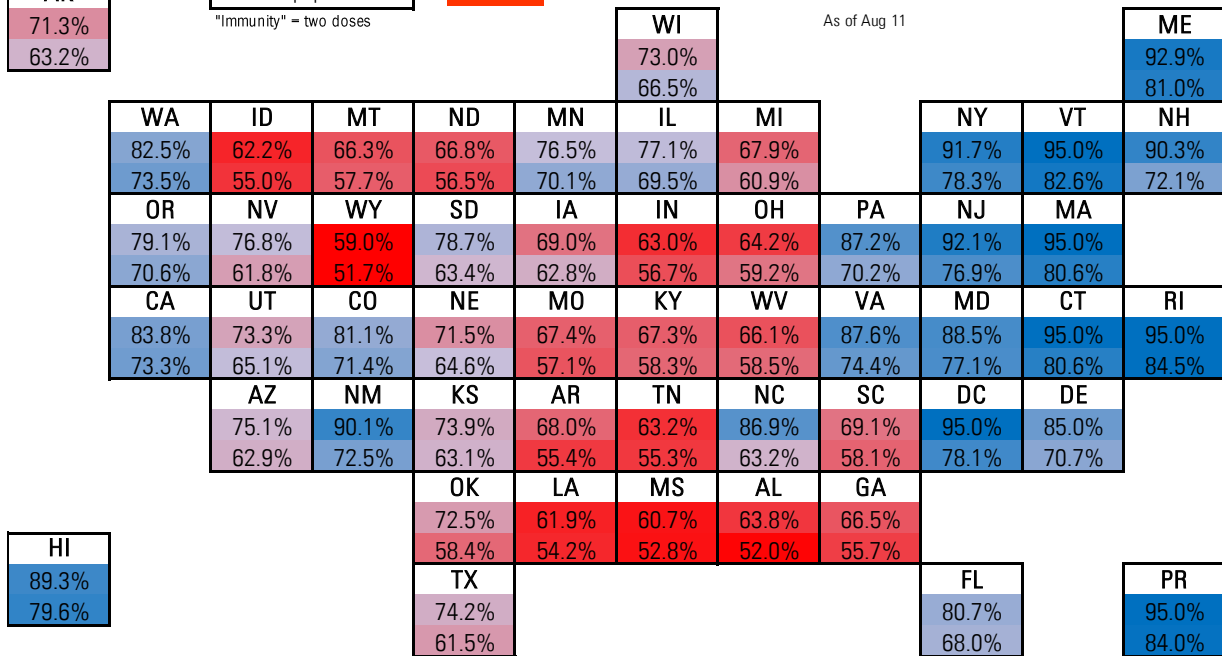
AK	71.3%
	63.2%

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

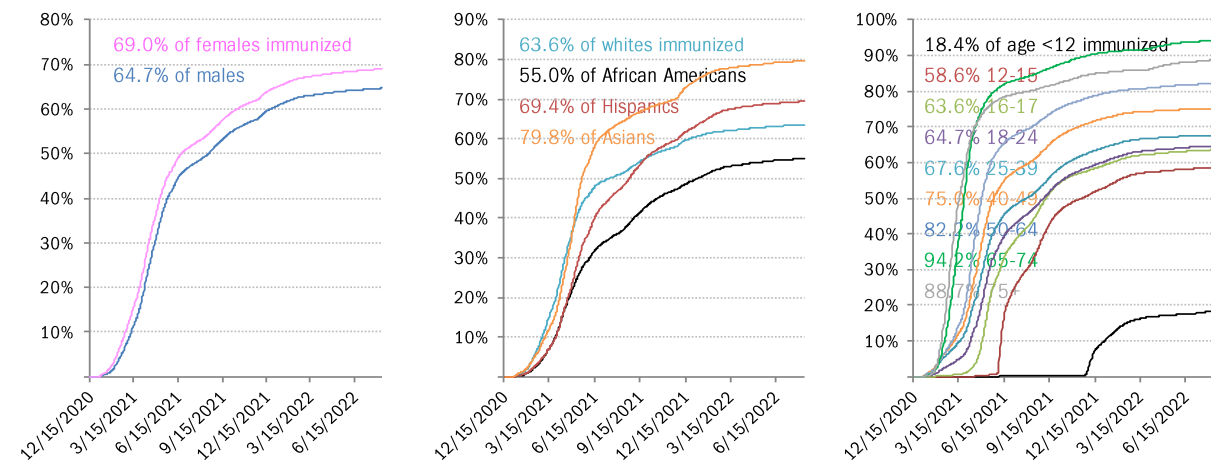
"Immunity" = two doses

Best
Middle
Worst

Global data differs due to sources, timing



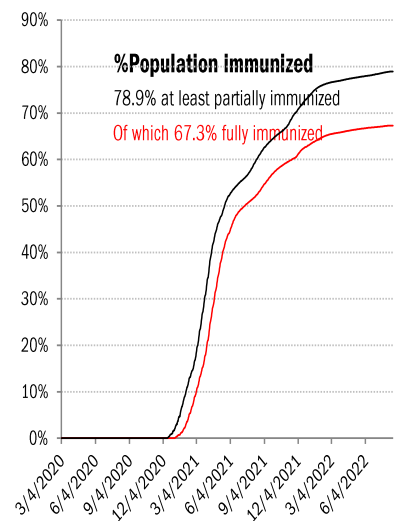
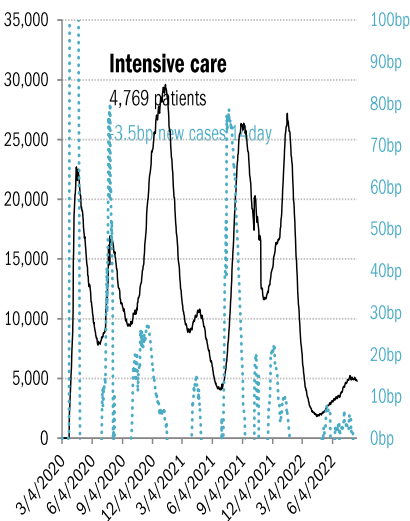
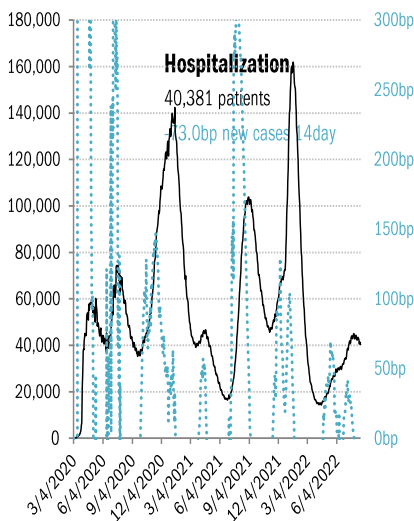
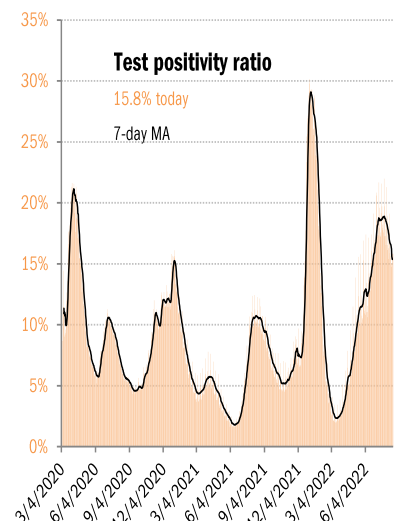
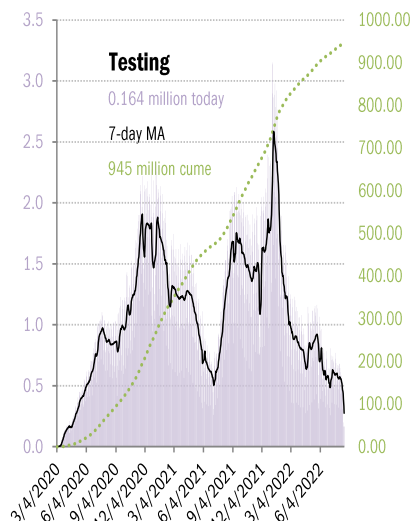
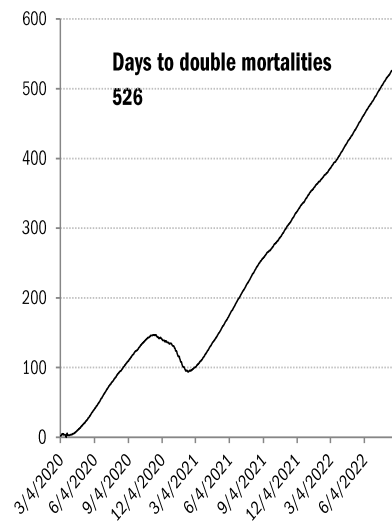
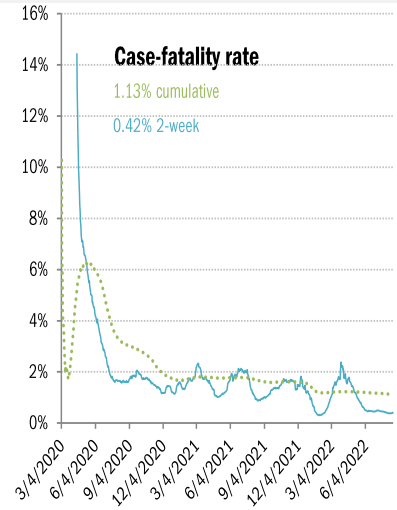
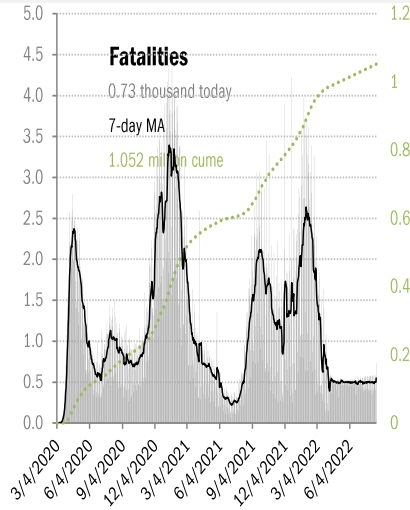
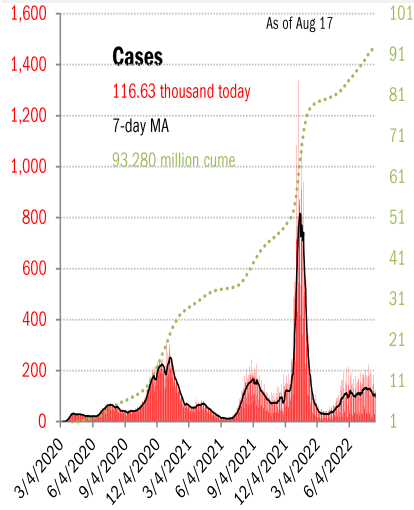
The demographics of US vaccination



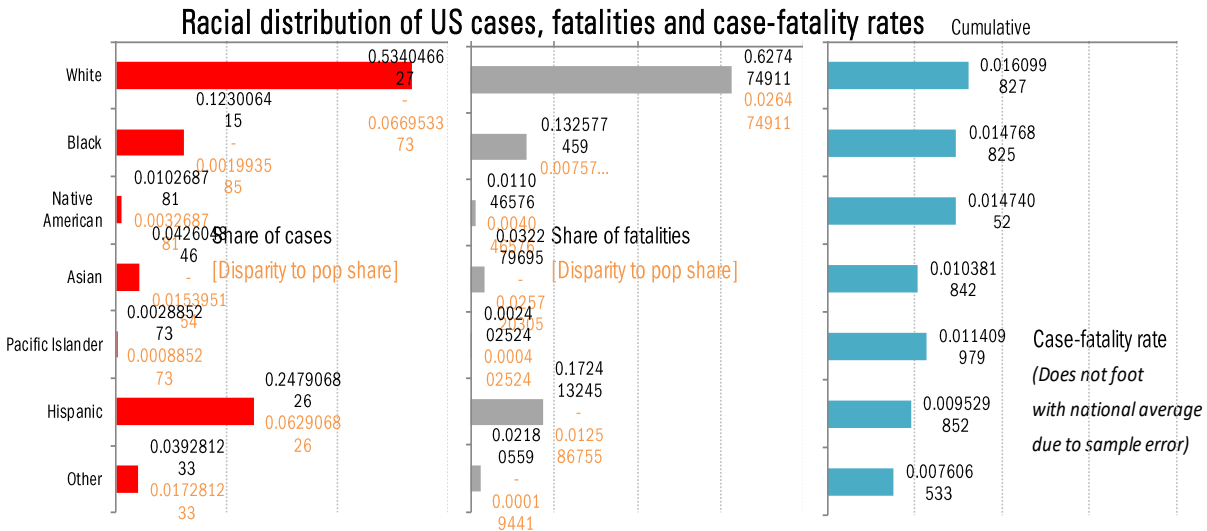
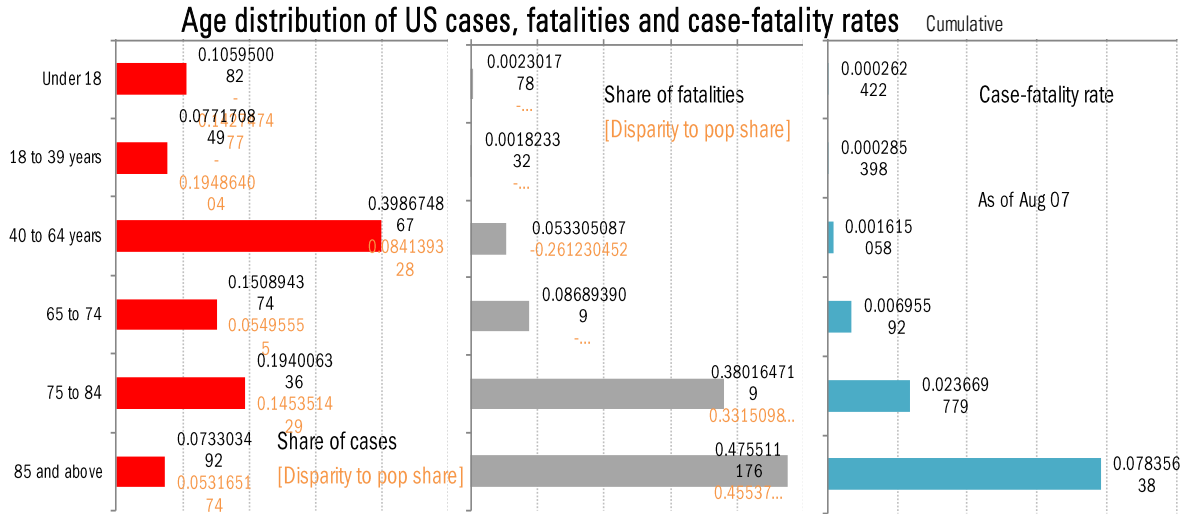
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

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

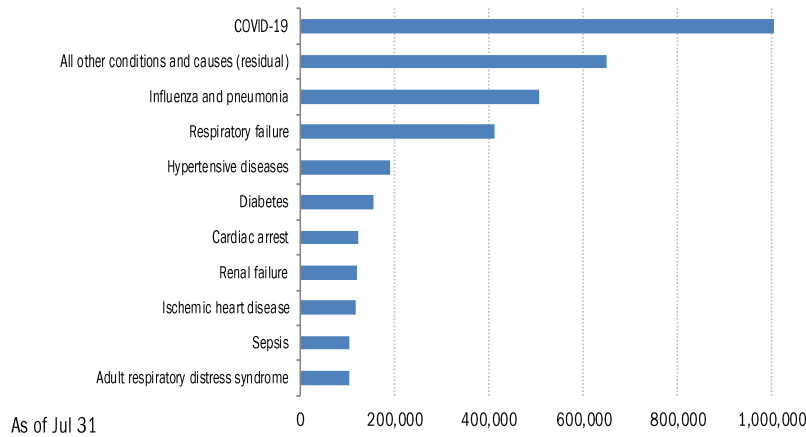


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



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

[Twitter Becomes a Tool of Government Censorship](#)

Vivek Ramaswamy and Jed Rubenfeld
Wall Street Journal
August 17, 2022

[Neurological and psychiatric risk trajectories after SARS-CoV-2 infection: an analysis of 2-year retrospective cohort studies including 1 284 437 patients](#)

Maxime Taquet
The Lancet
August 17, 2022

[Covid's Harmful Effects on the Brain Reverberate Years Later](#)

Jason Gale
Bloomberg
August 17, 2022

[Walensky, Citing Botched Pandemic Response, Calls for C.D.C. Reorganization](#)

Sharon LaFraniere
New York Times
August 17, 2022

[Prosecutors Struggle to Catch Up to a Tidal Wave of Pandemic Fraud](#)

David A. Fahrenthold
New York Times
August 16, 2022

[CDC \(quietly\) removes a massive claim on vaccine safety](#)

El Gato Malo
Bad Cattitude
August 13, 2022

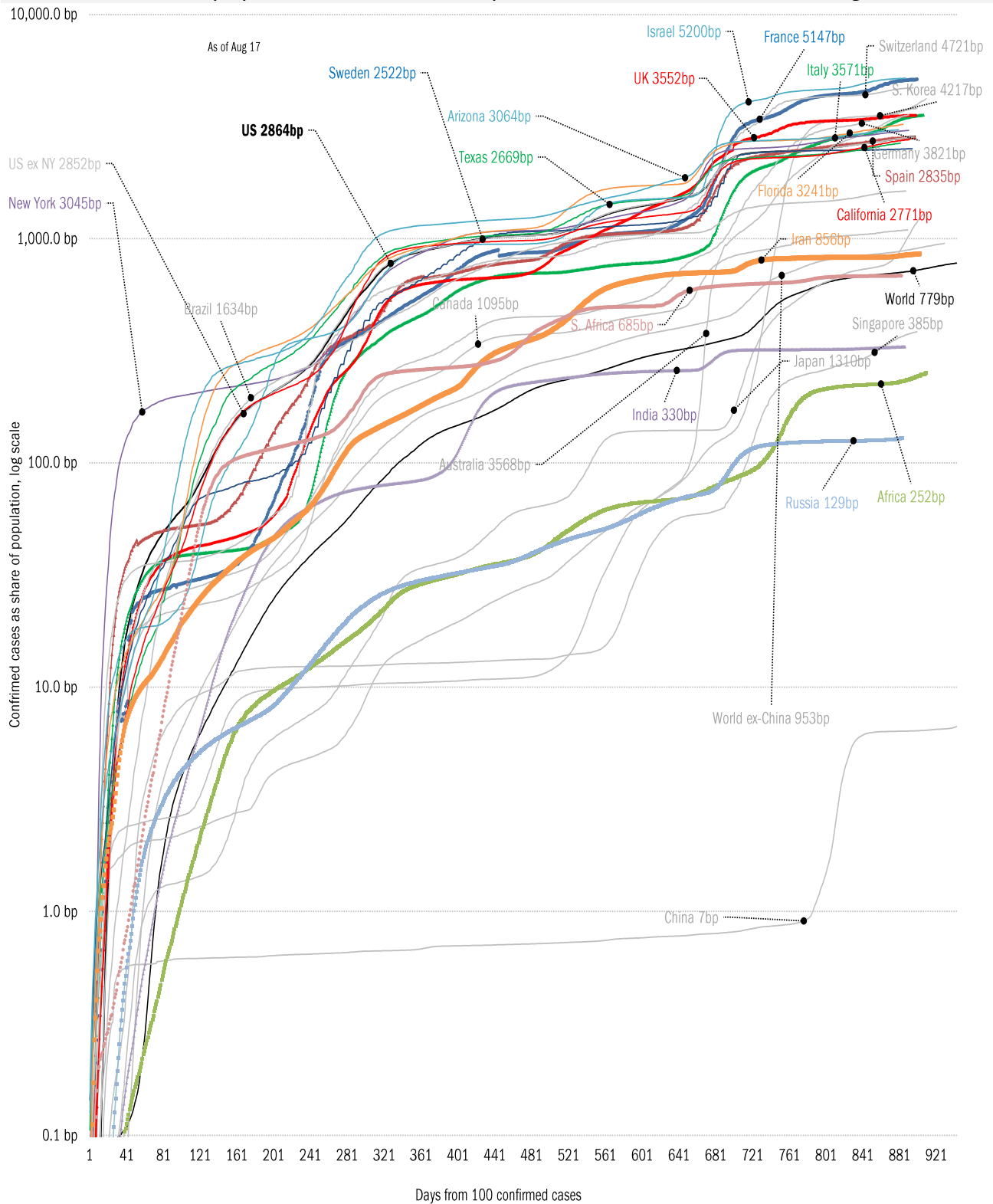
Meme of the day



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

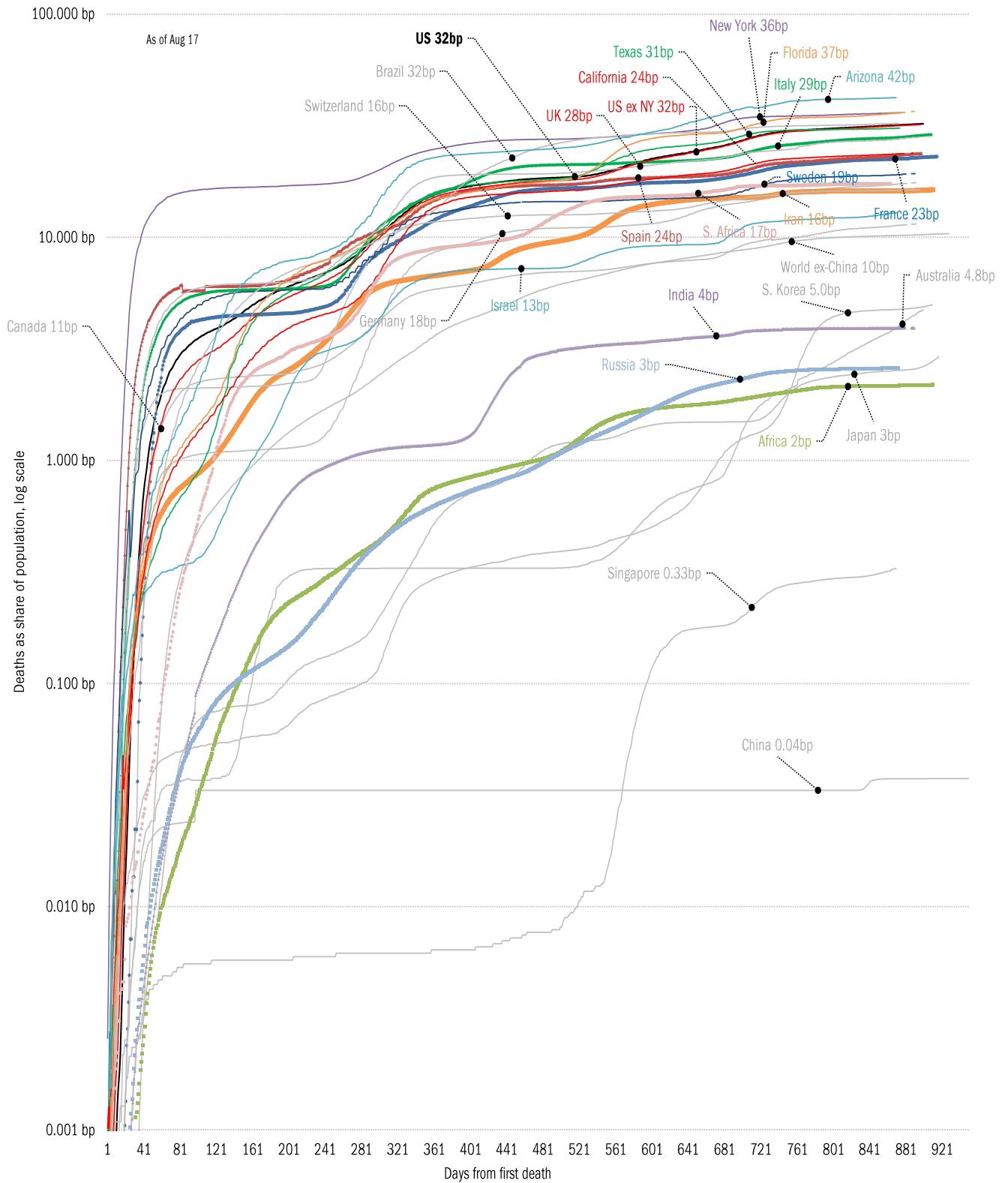
The global coronavirus case accelerometer... tracking the world's infection curves

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

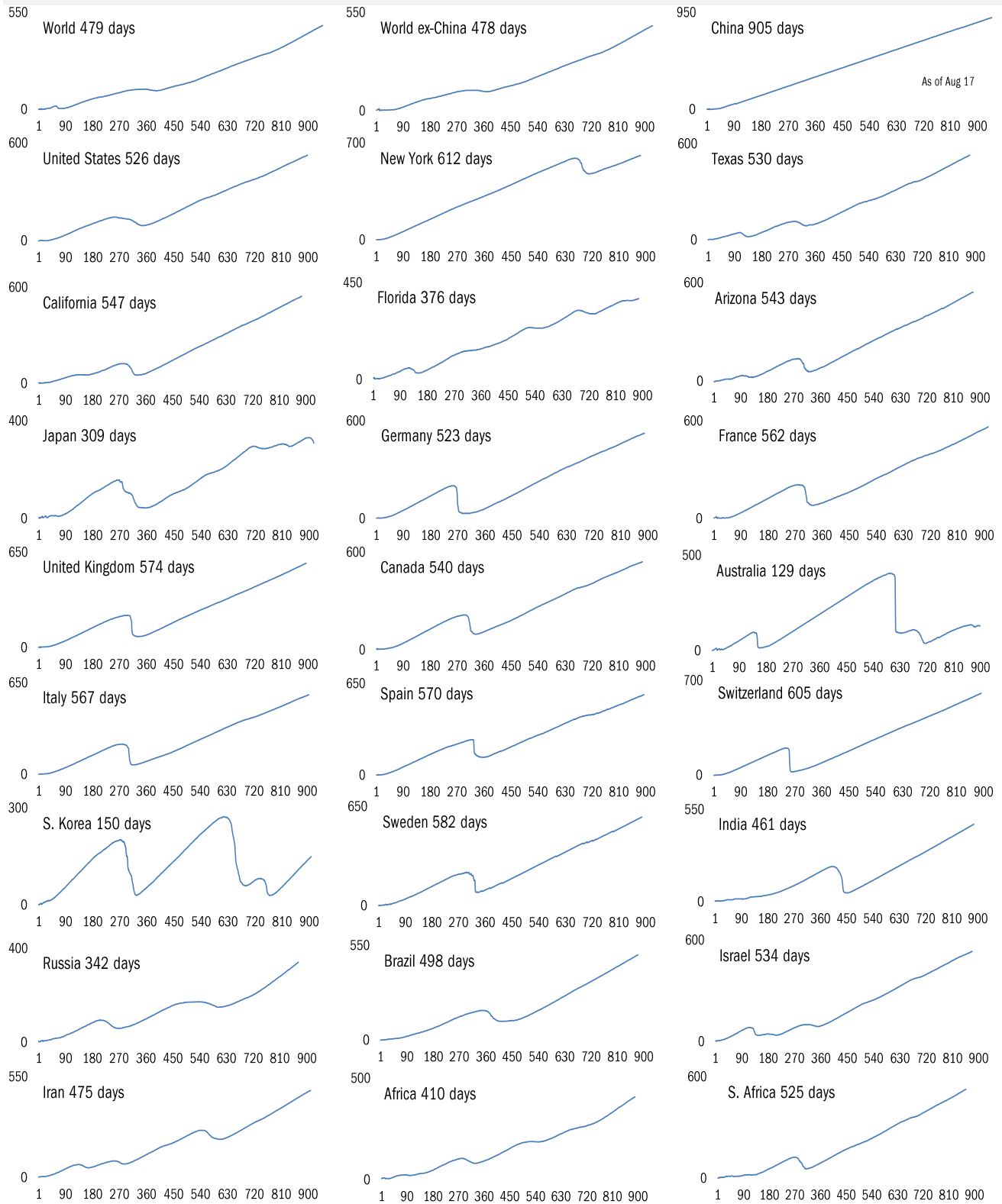


Source: [Johns Hopkins](#), TrendMacro calculations

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

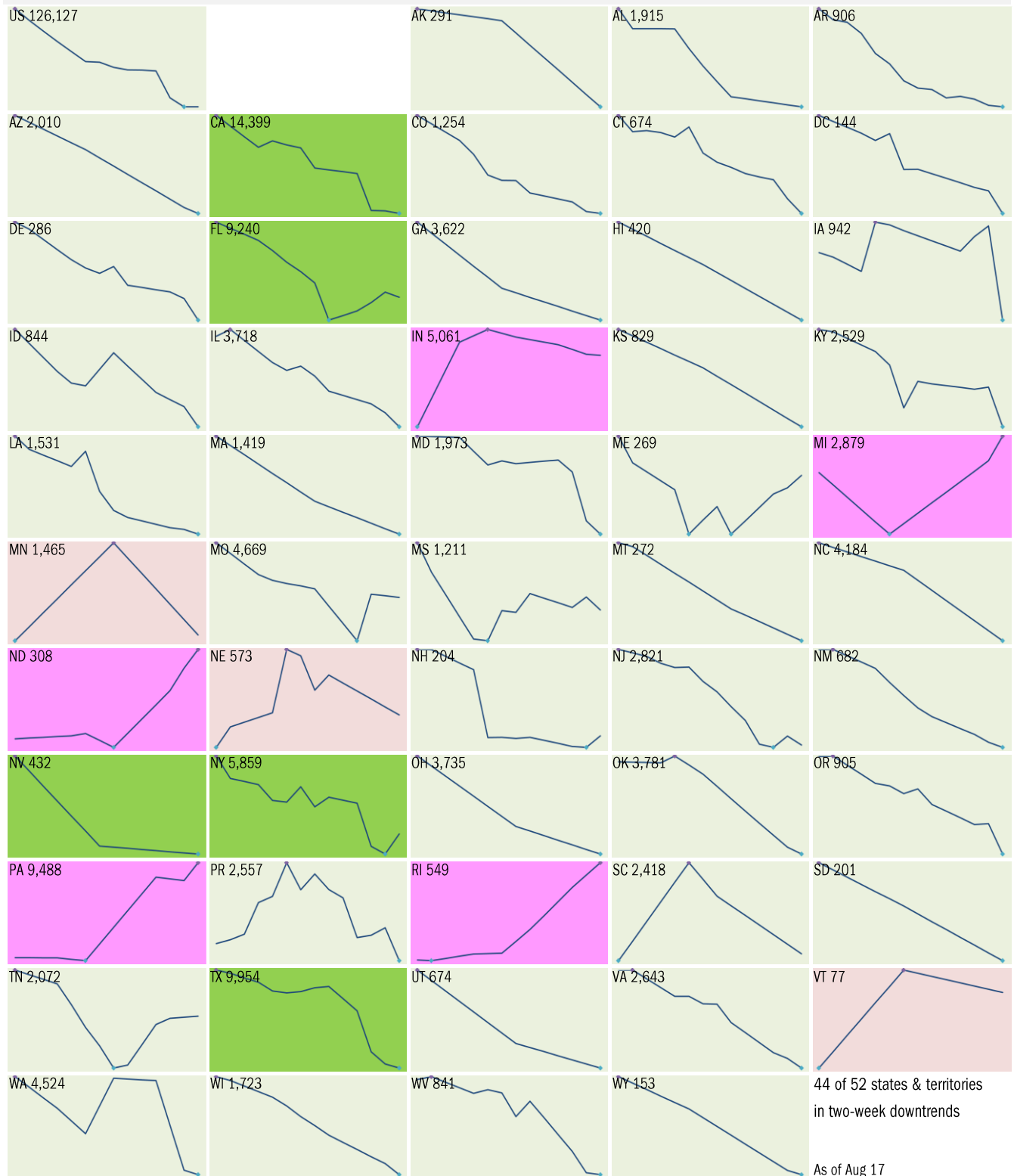


Source: [Johns Hopkins](#), TrendMacro calculations

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



44 of 52 states & territories
in two-week downtrends

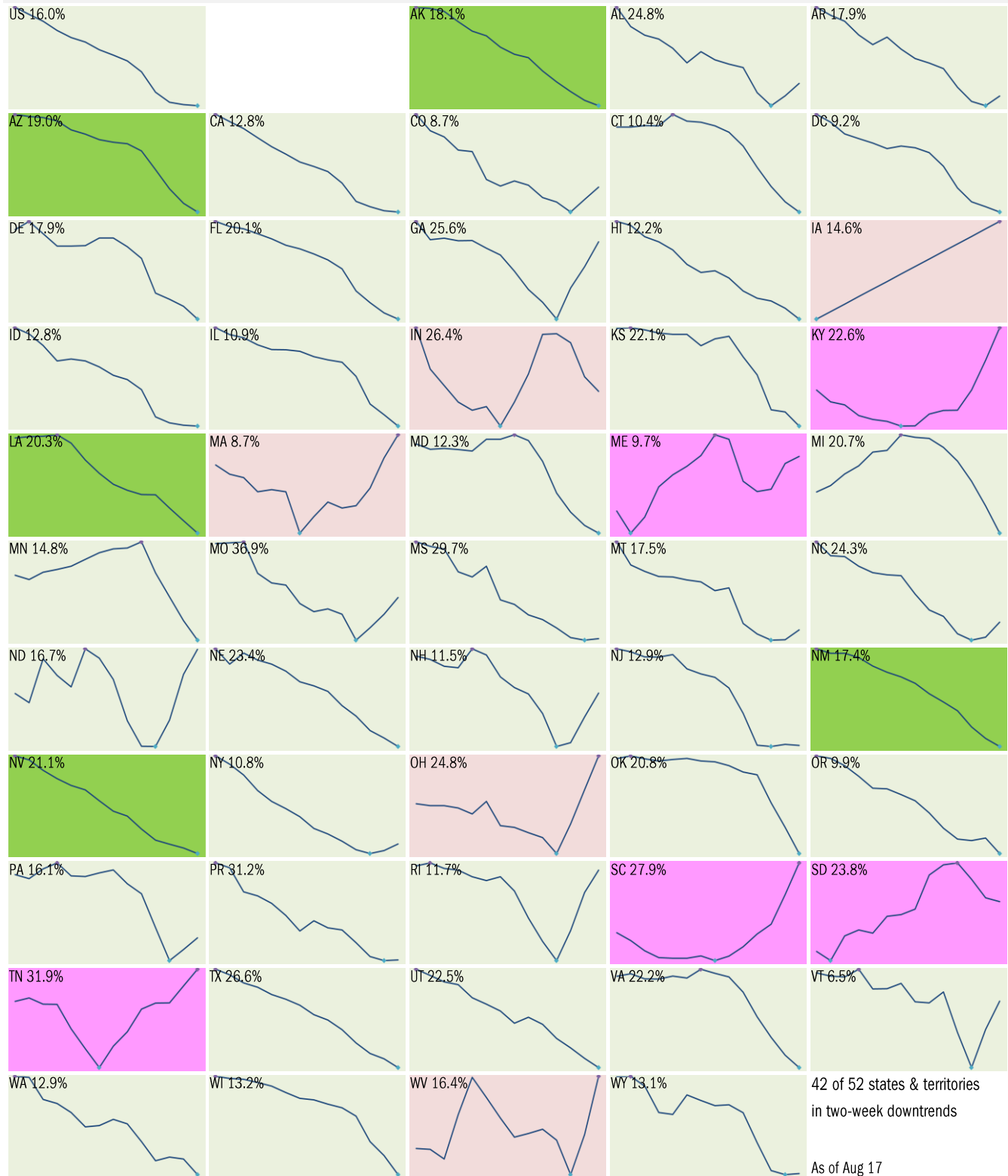
As of Aug 17

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

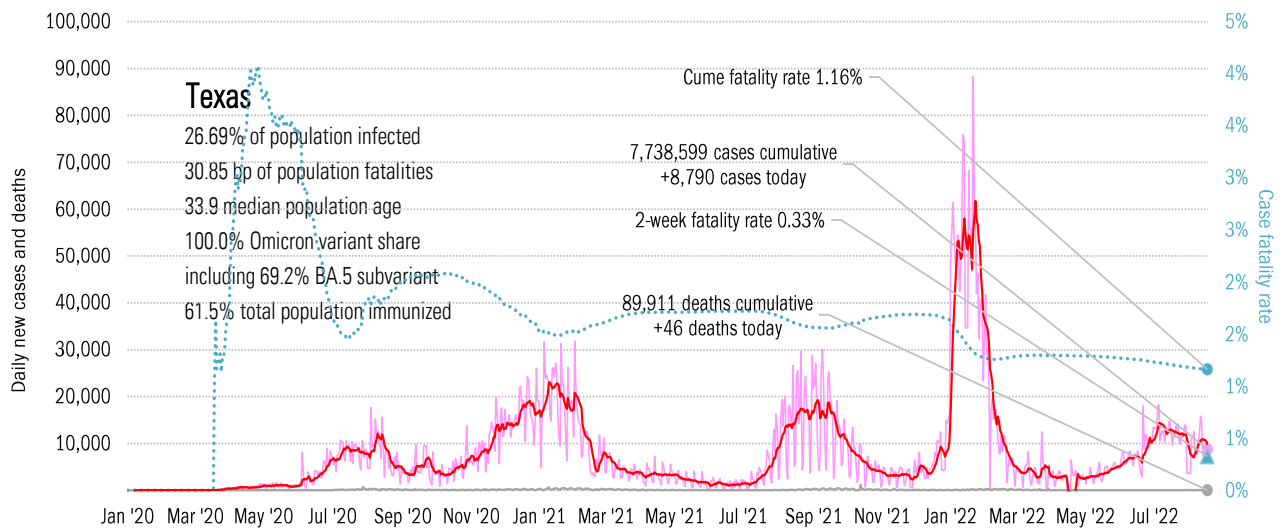
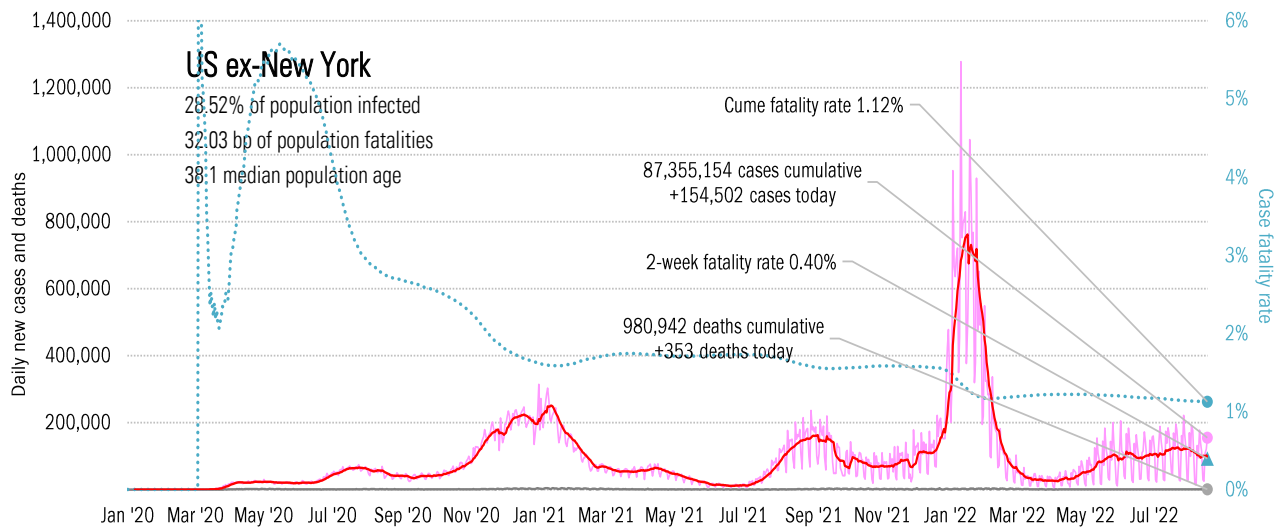
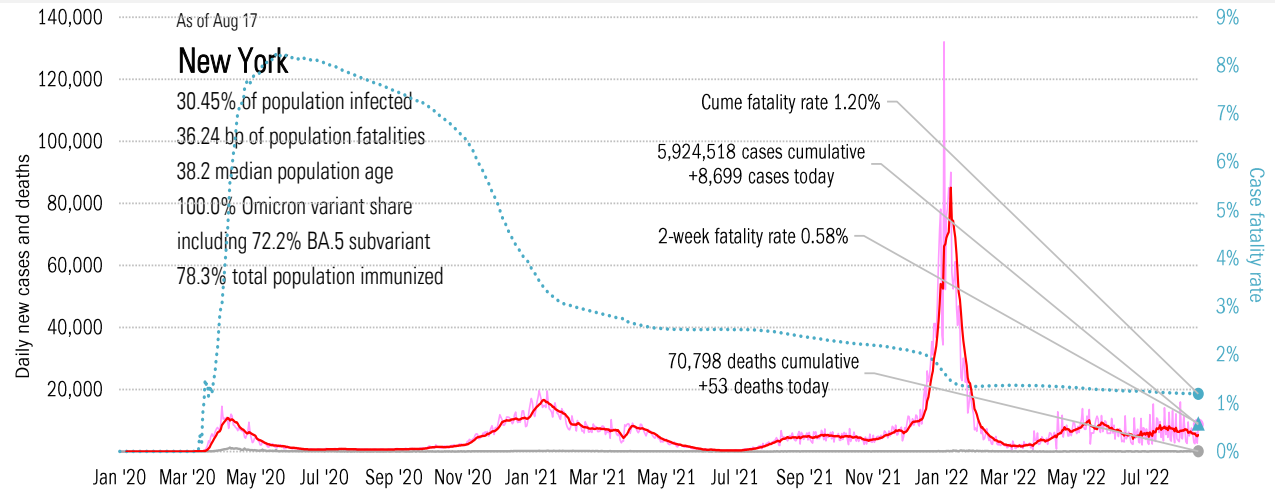
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

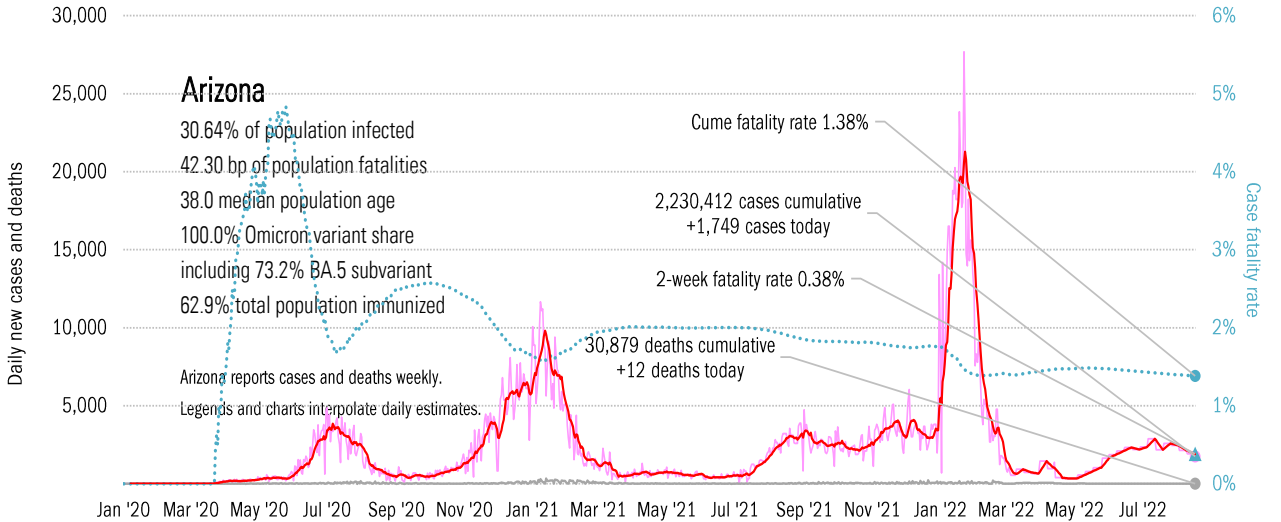
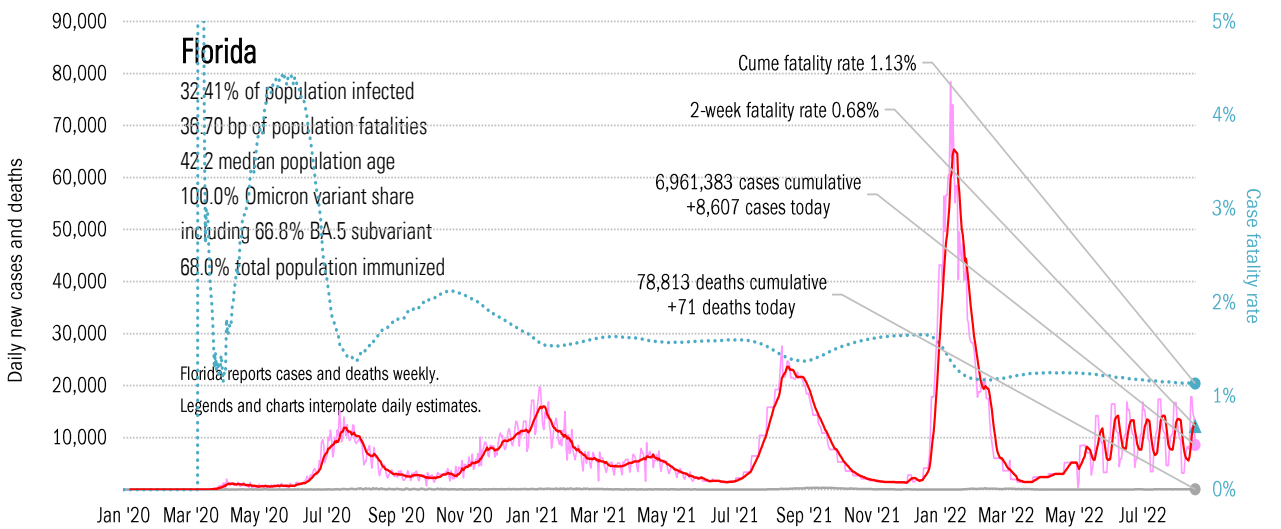
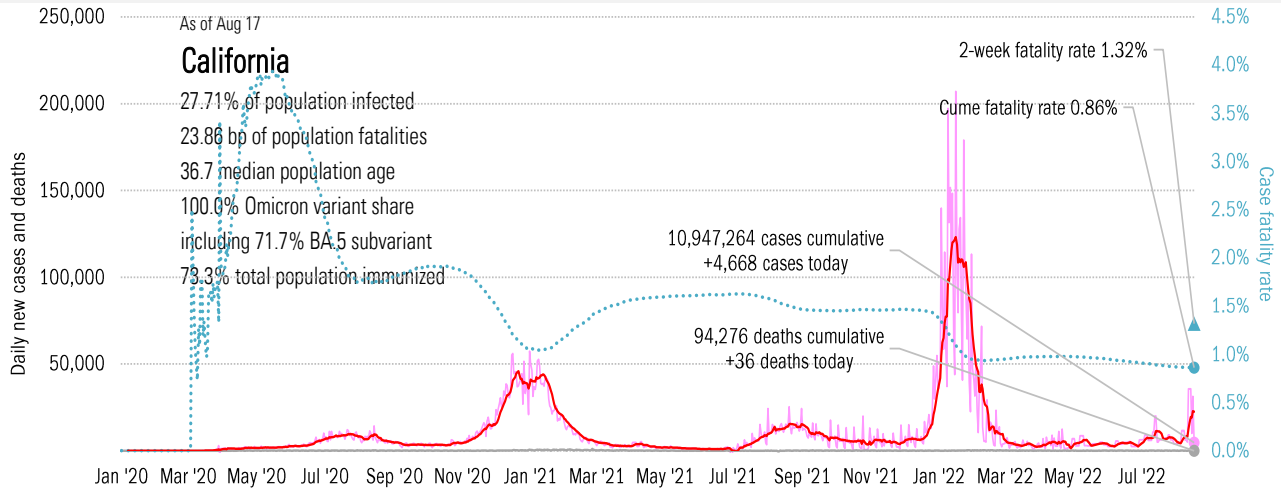
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

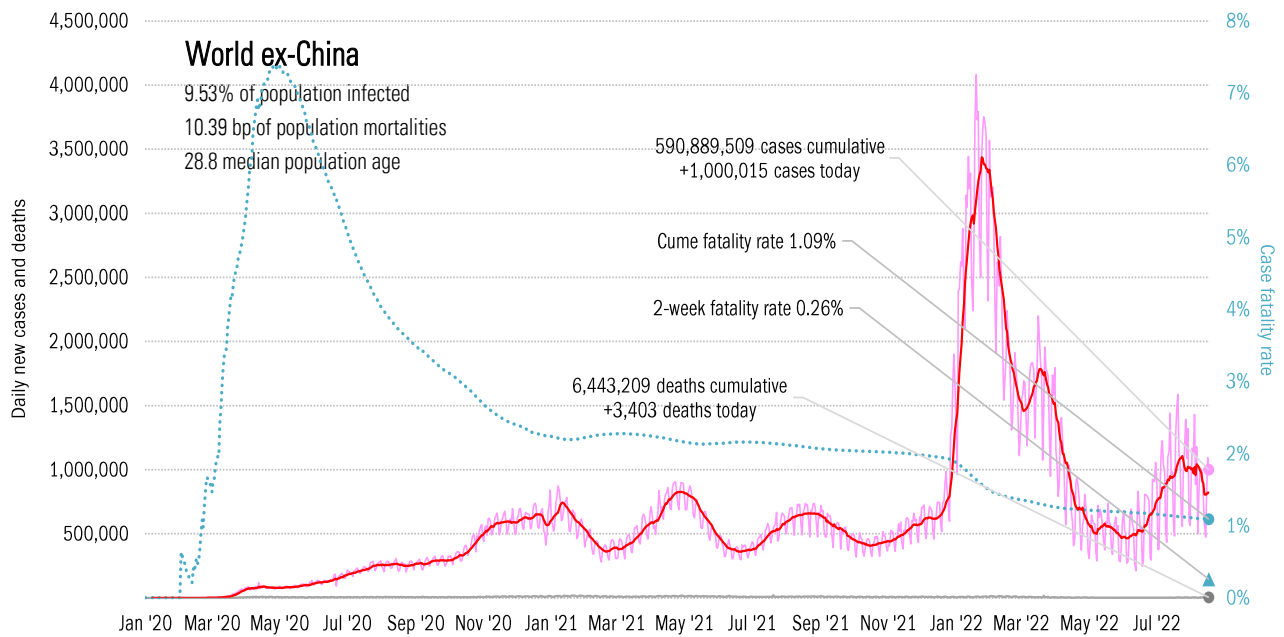
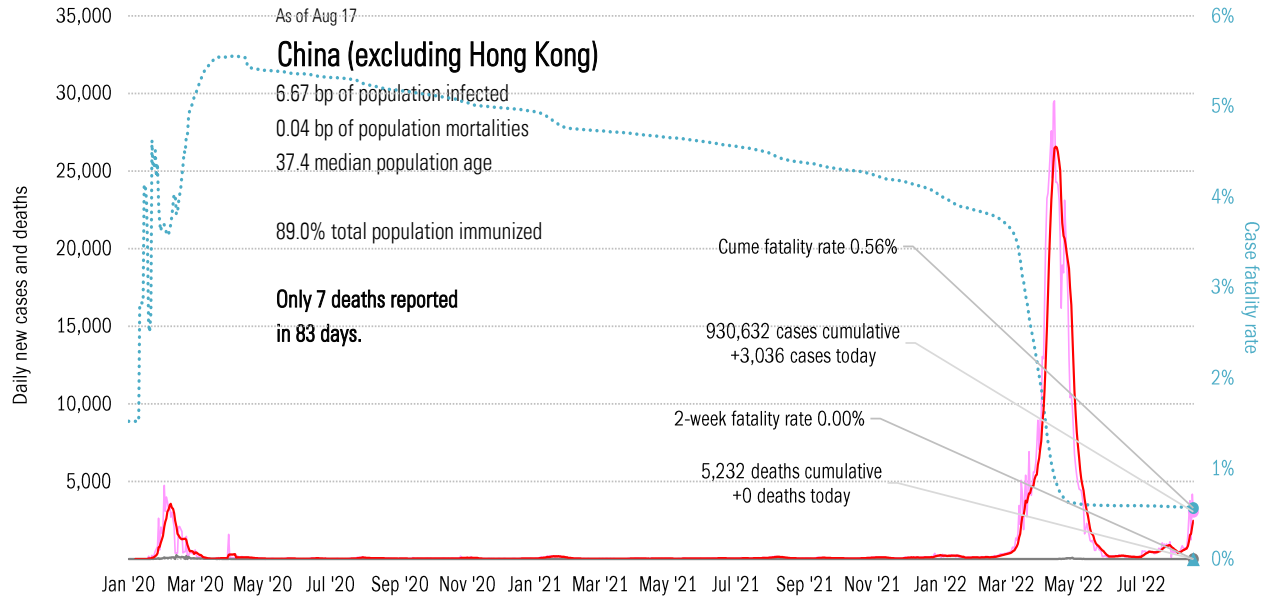
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

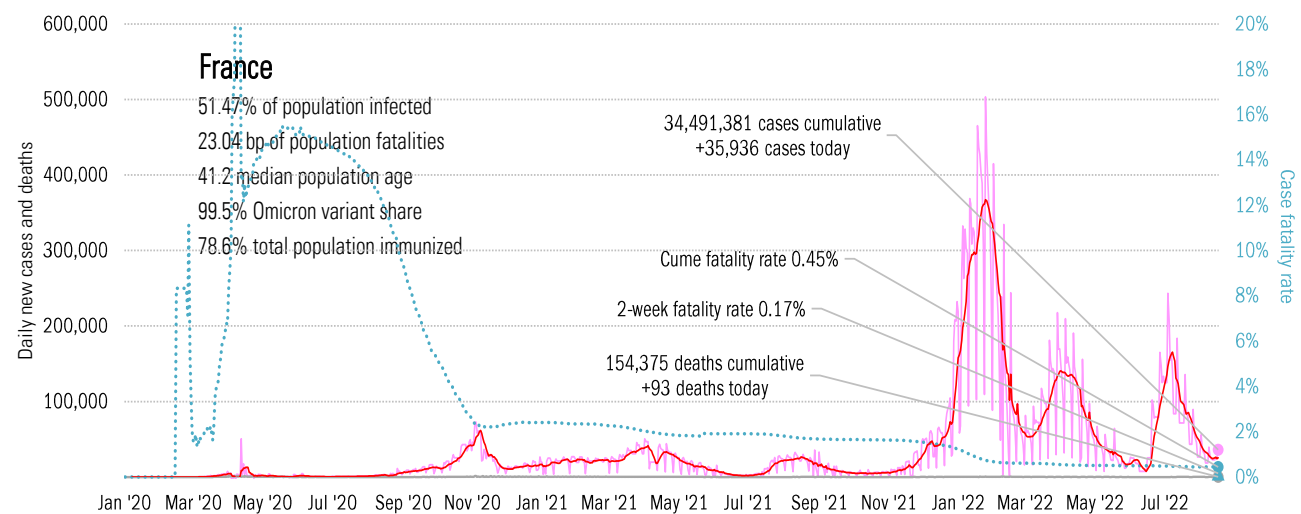
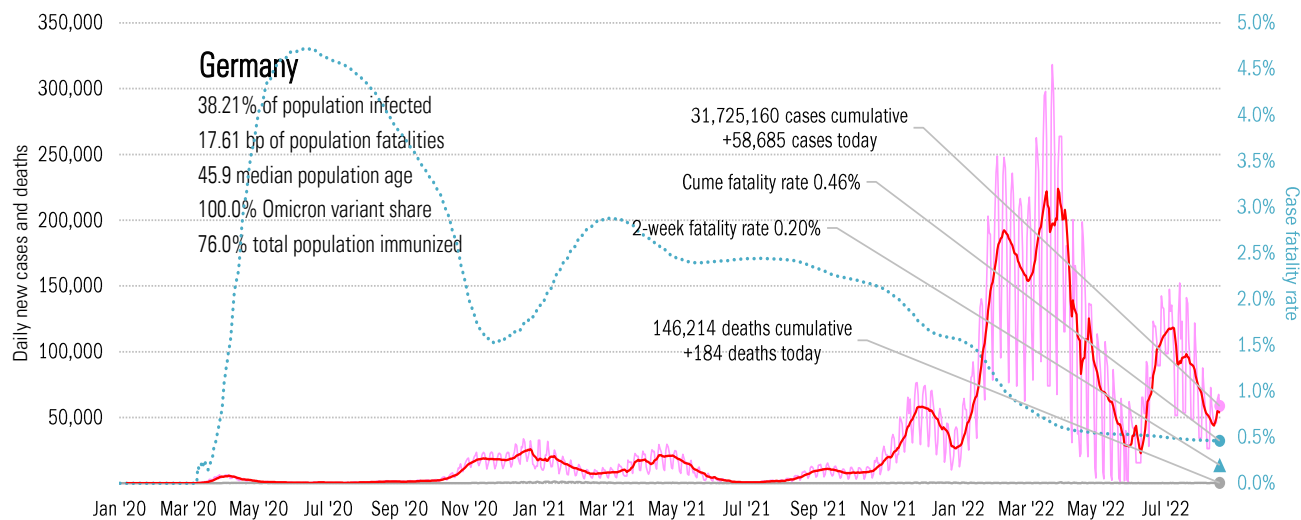
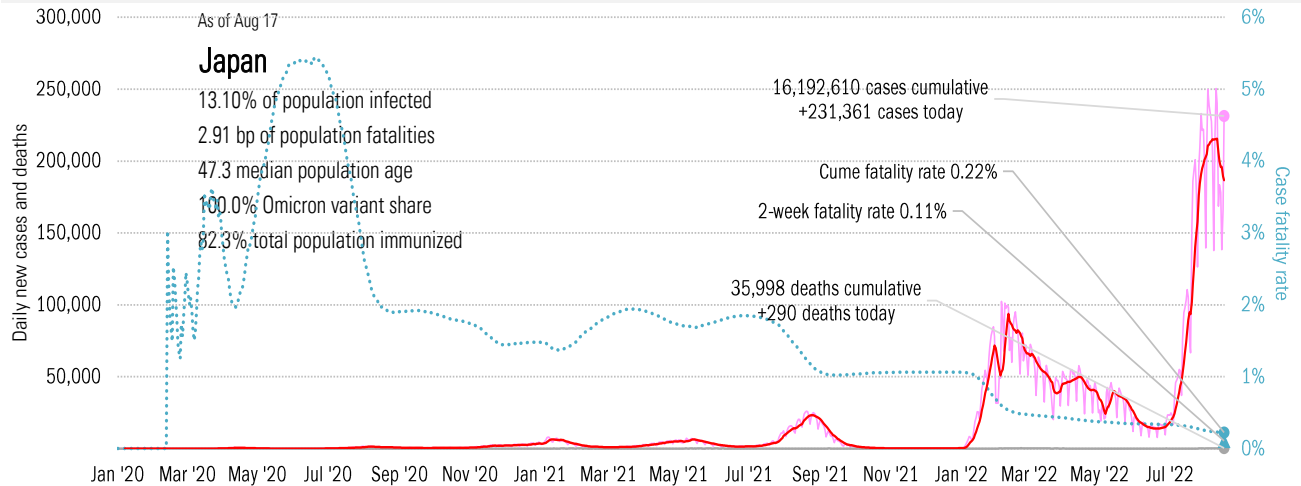
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

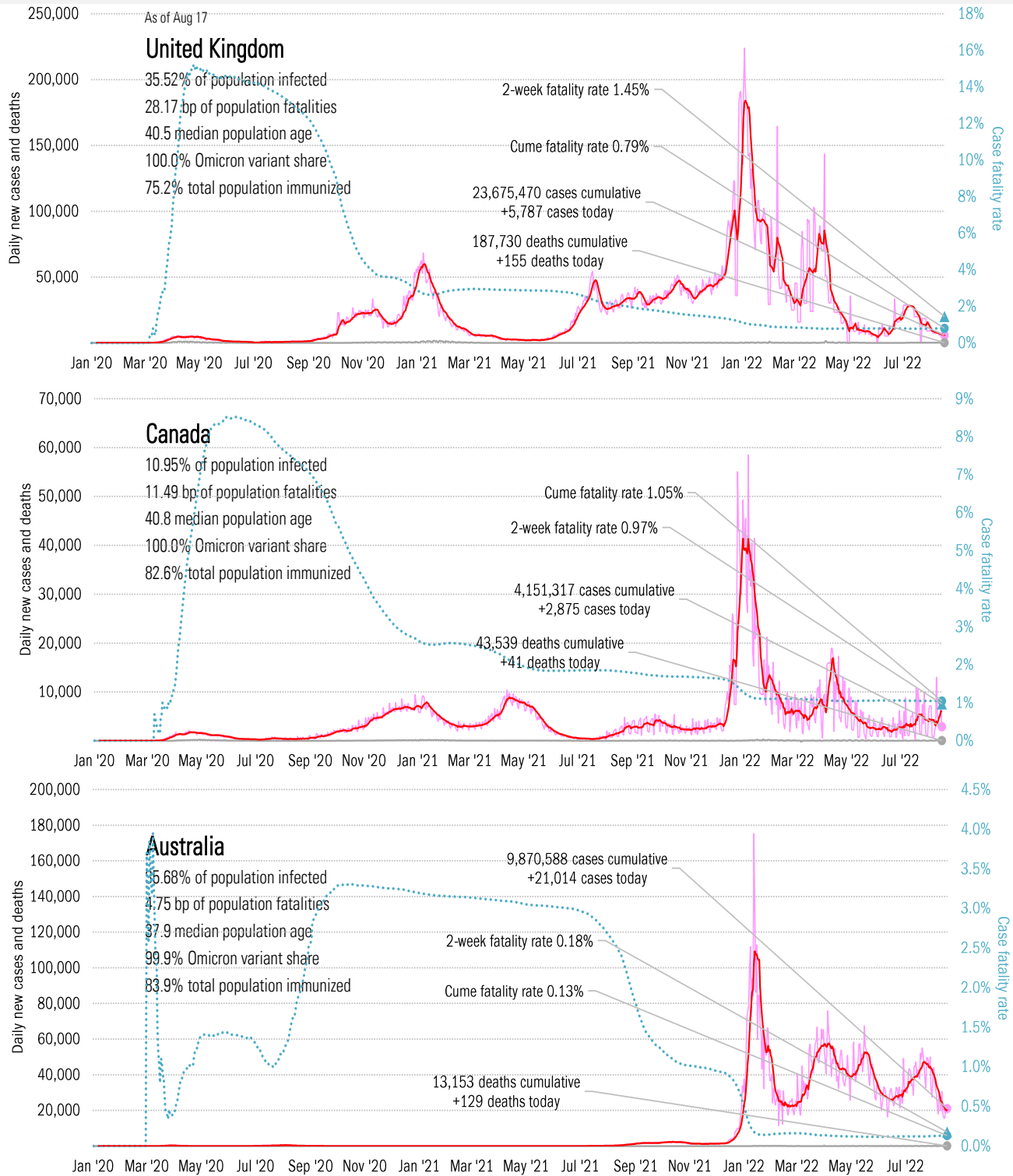
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

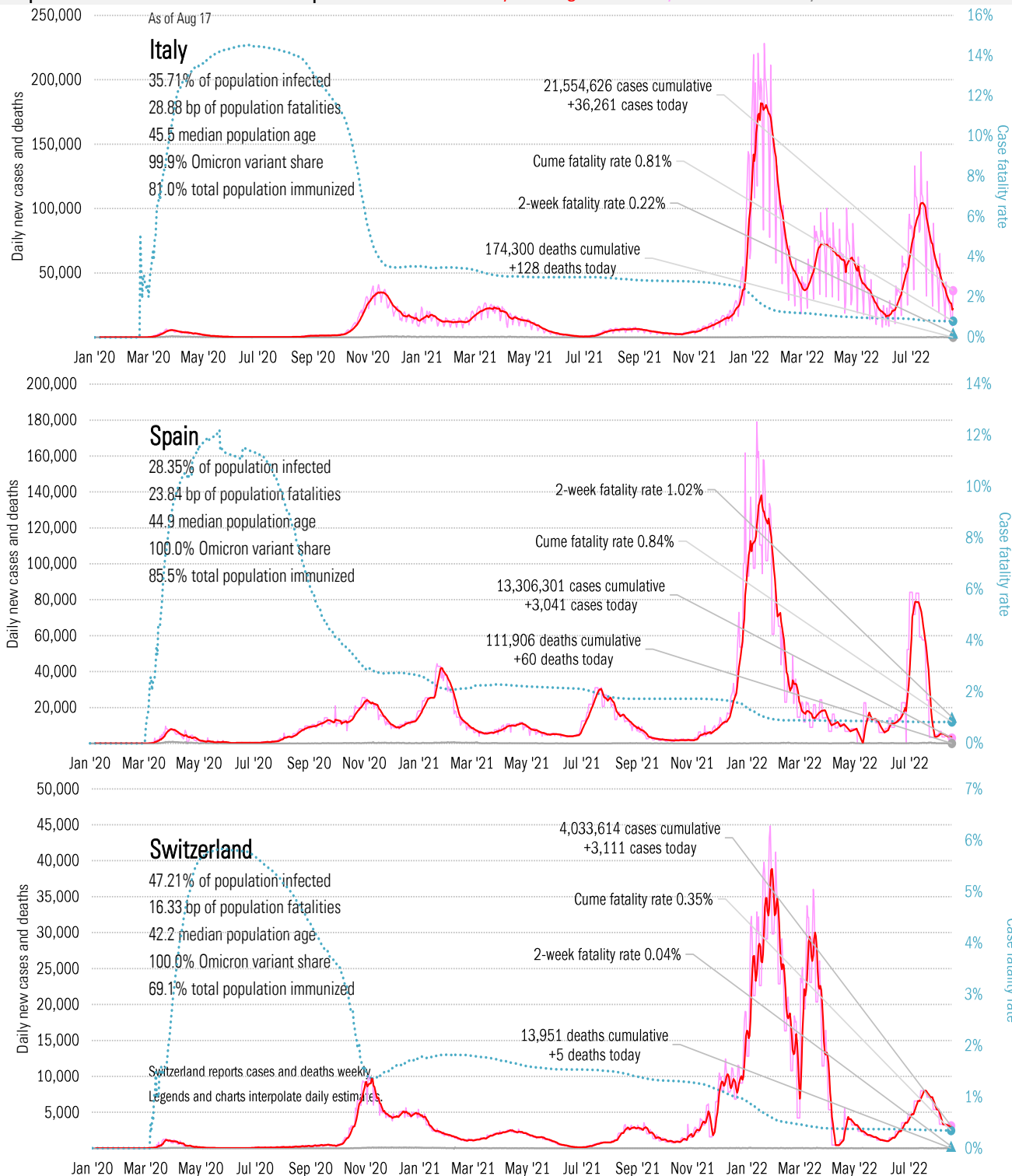
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

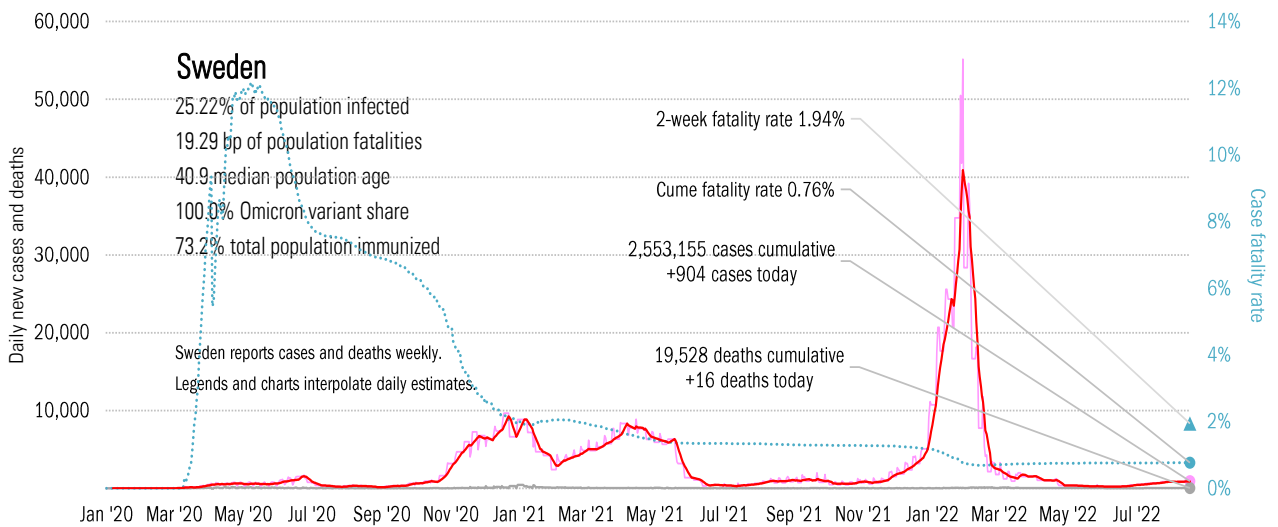
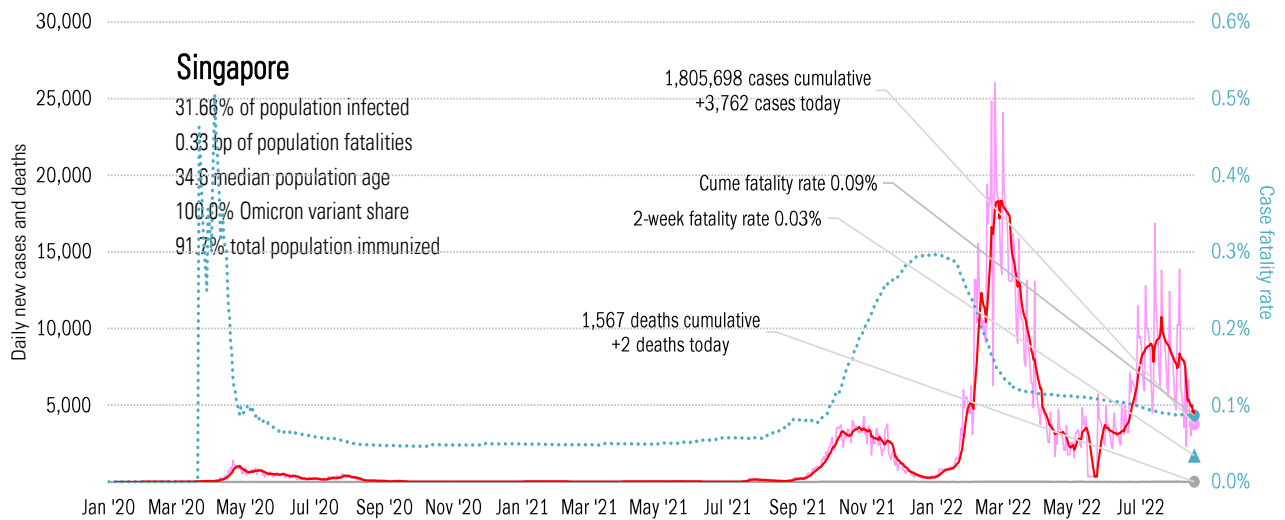
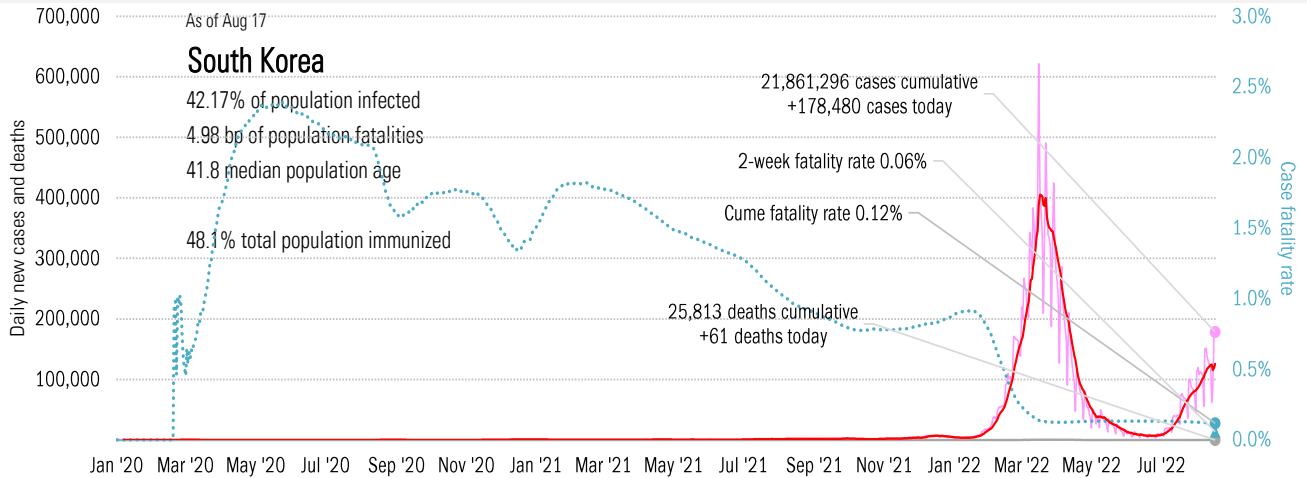
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

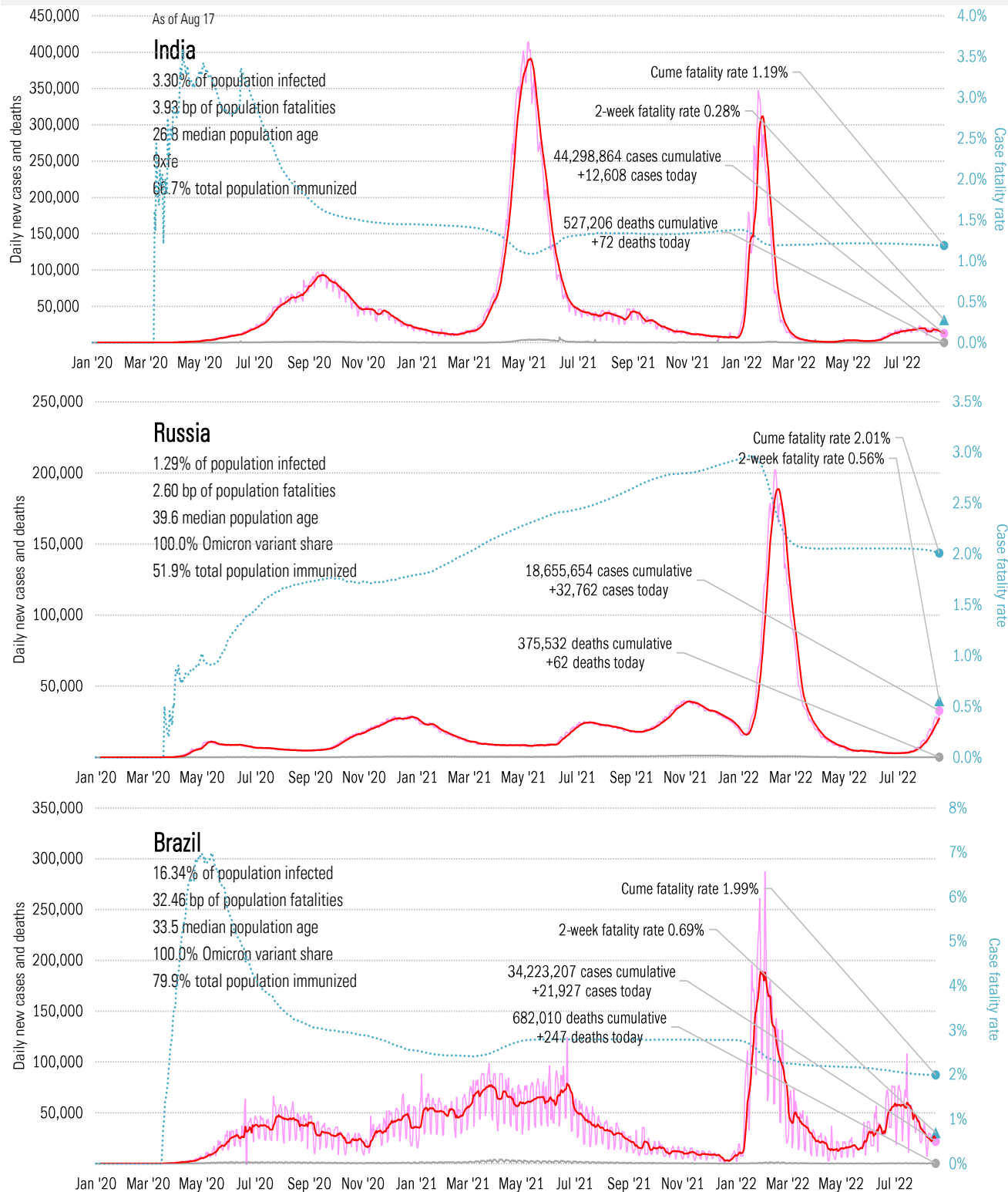
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

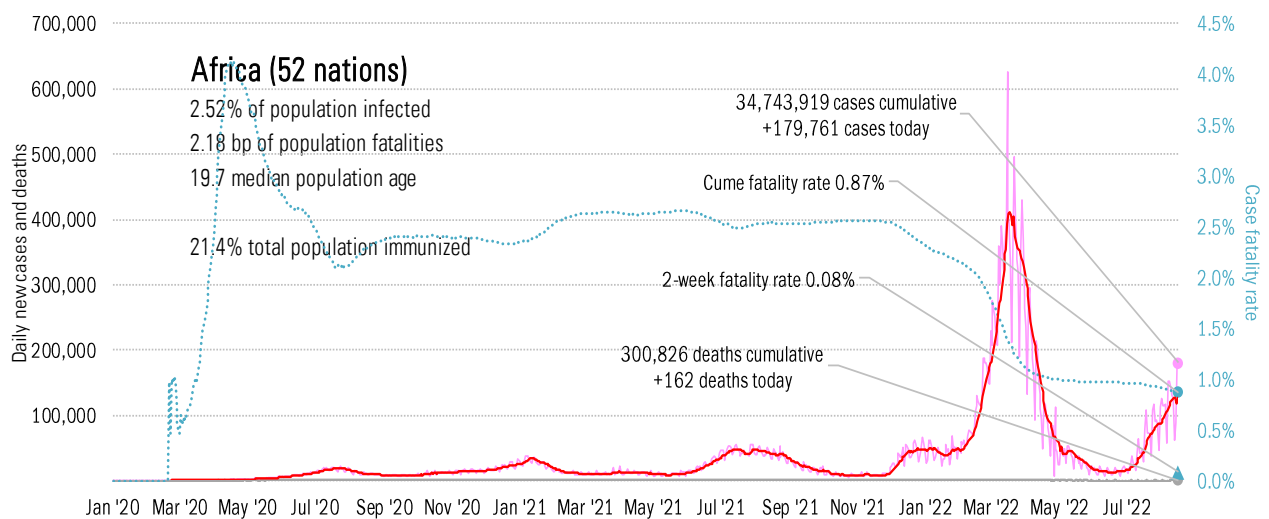
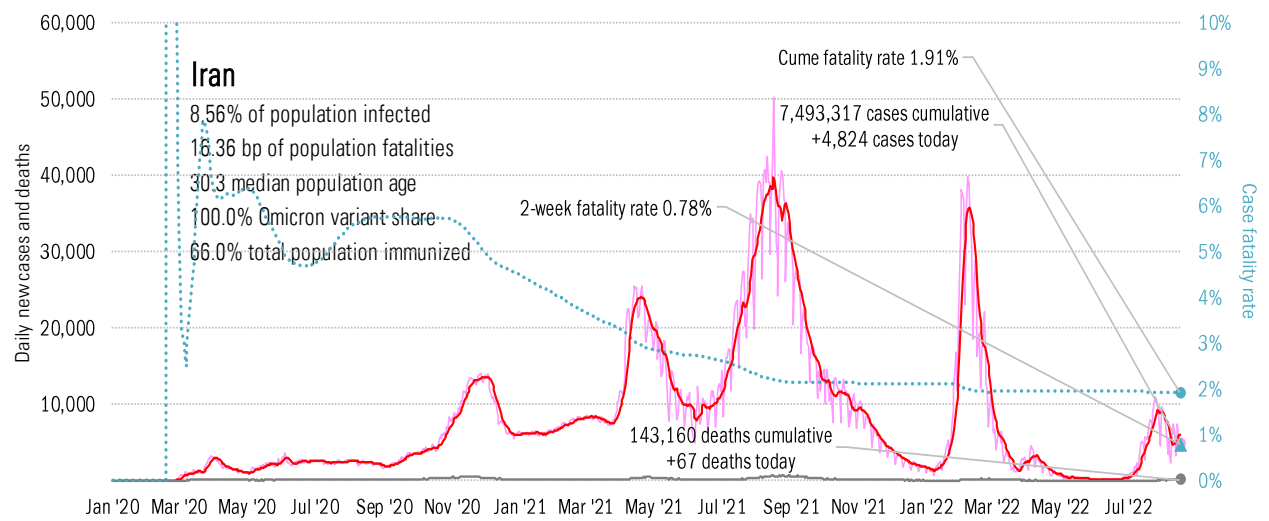
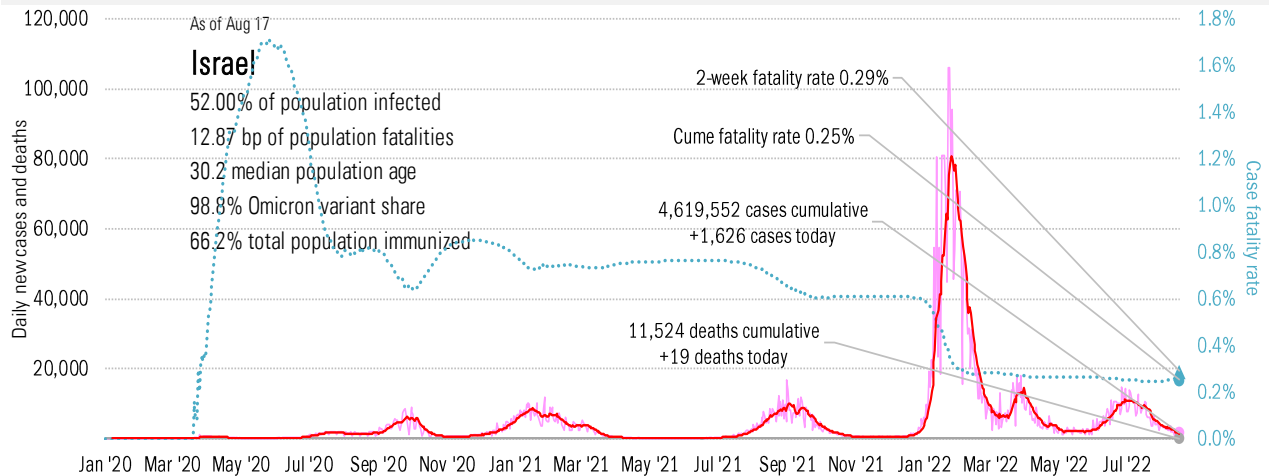
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

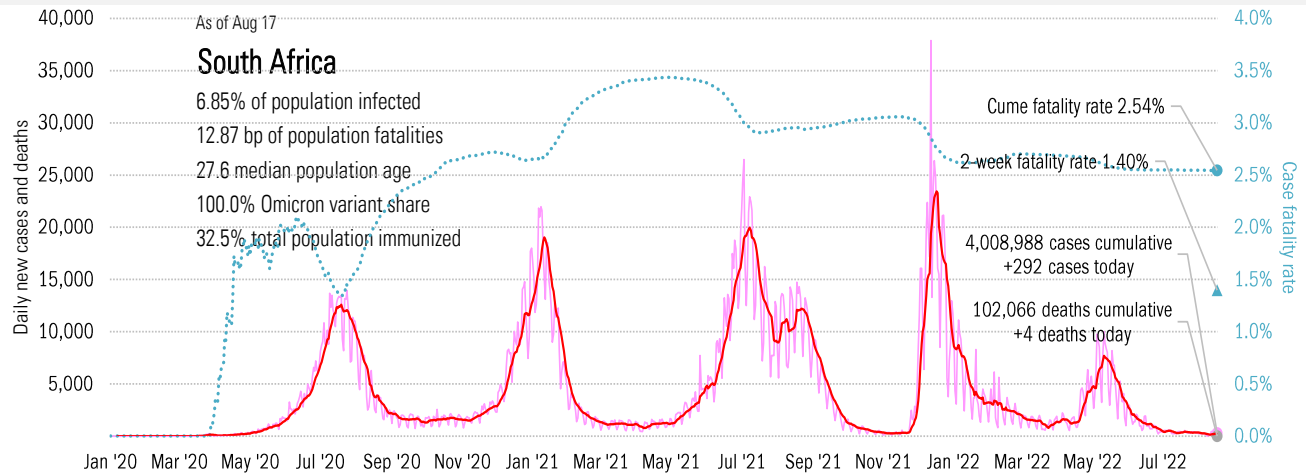
Cases: **7-day average** and **daily** Deaths: **Daily**



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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