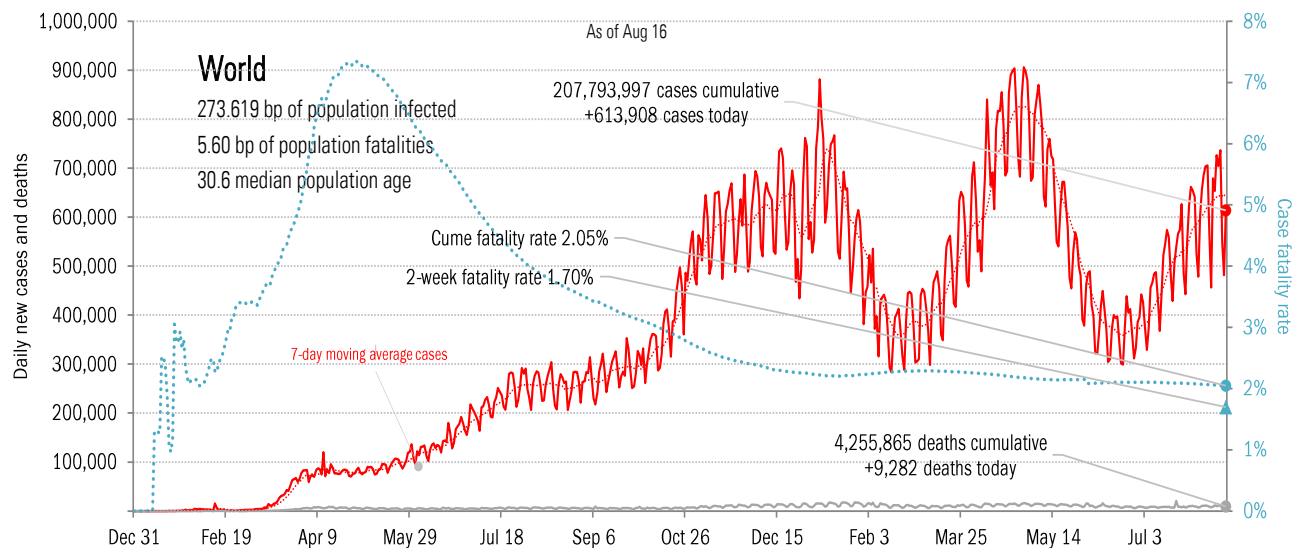
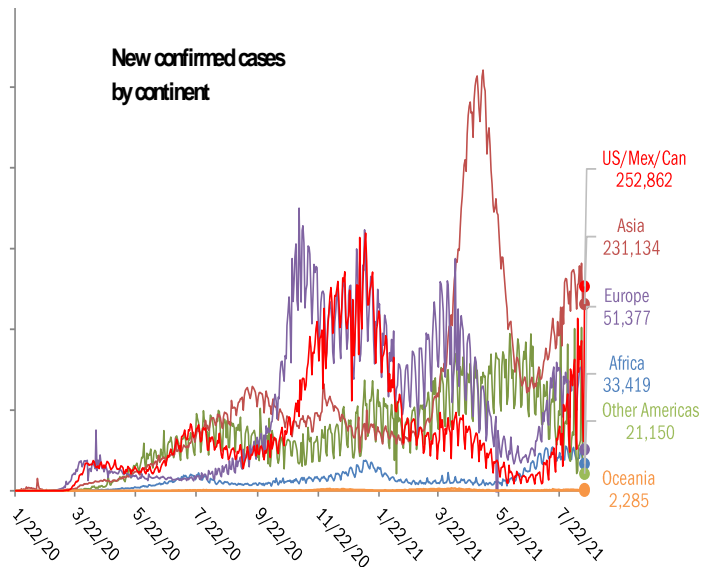


Data Insights: Covid-2019 Monitor

Tuesday, August 17, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+231,849	Indonesia	+1,245
Iran	+41,194	Kazakhstan	+934
United Kingdom	+28,358	Russia	+789
Spain	+25,726	United States	+686
India	+25,166	Iran	+655
Thailand	+21,157	Mexico	+485
Russia	+20,154	India	+437
Malaysia	+19,740	Brazil	+434
Turkey	+18,163	Vietnam	+367
Indonesia	+17,384	South Africa	+299
+448,891		+6,331	
World	+613,908	World	+9,282
Top ten	73%	Top ten	68%



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

The ten worst US states

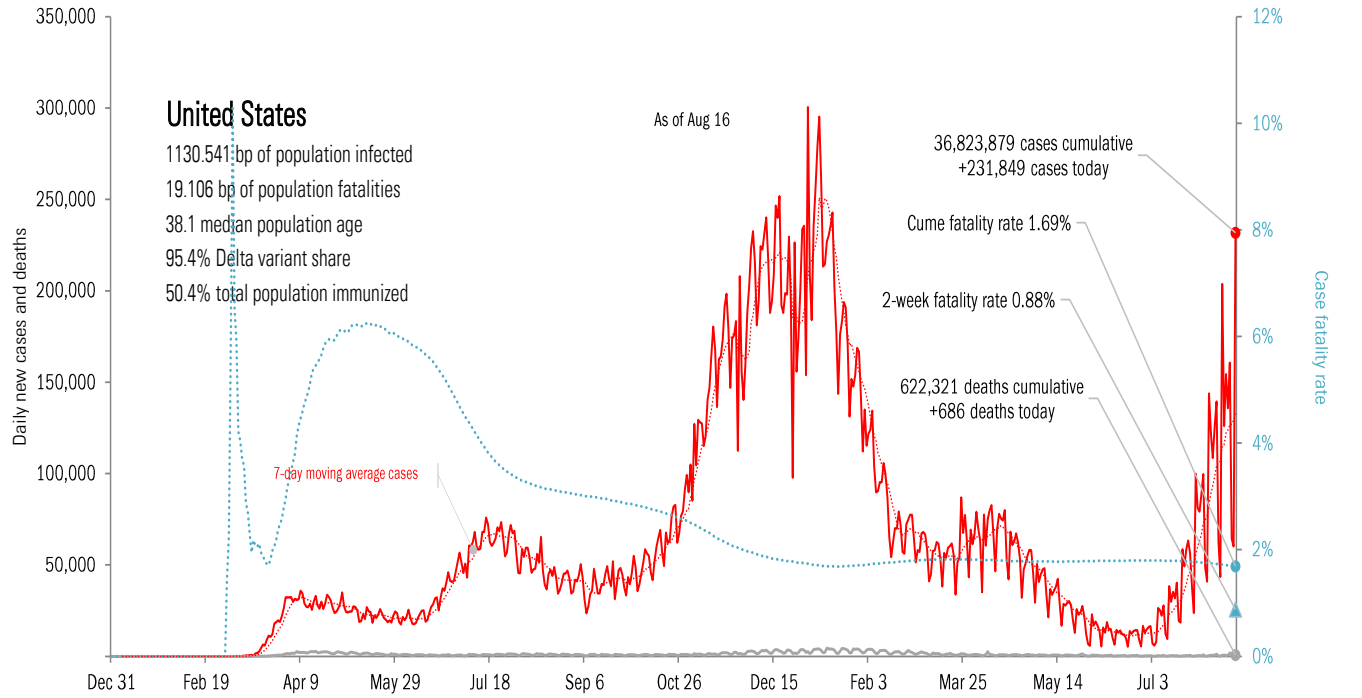
New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+21,681		FL	+177		GA	+245		CA	4,148,367		CA	64,694		TX	295,204		GA	87%	MS	55%
GA	+19,399		SC	+69		TX	+142		TX	3,356,260		TX	54,379		CA	264,161		FL	86%	FL	53%
TX	+16,760		LA	+65		NC	+62		FL	2,855,707		NY	54,099		FL	247,633		MD	83%	LA	49%
CA	+16,035		NC	+54		CH	+54		NY	2,209,767		FL	40,439		NY	142,443		RI	82%	AL	49%
NC	+14,998		MS	+52		IL	+48		IL	1,466,813		PA	27,966		GA	124,460		MO	82%	GA	46%
LA	+13,370		TX	+49		KY	+45		GA	1,272,014		NJ	26,696		PA	95,096		MA	82%	AR	45%
TN	+13,349		TN	+45		SC	+45		PA	1,256,689		IL	26,057		CH	92,999		CT	81%	TX	43%
SC	+11,039		GA	+36		IN	+43		CH	1,161,573		GA	22,014		IL	88,595		NV	81%	OK	40%
IL	+9,126		AR	+31		WI	+34		NC	1,122,412		MI	21,304		KY	86,440		TX	81%	ID	39%
MS	+7,839		IL	+30		CA	+29		NJ	1,062,238		CH	20,614		MI	75,818		MN	81%	MO	39%
+143,596			+608			+747			19,911,840			358,262			1,512,849						
All states	+231,849		+863			+797			All states	36,823,879		622,321			2,680,268			All states	70%	67%	
Top ten	62%		70%			94%			Top ten	54%		58%			56%			Median	72%	20%	

Some states not reporting

Updated Saturdays

Five most improved US states

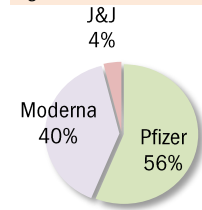
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AL	-4,526	NY	-226	FL	-335	LA	+40 bp
AR	-661	AL	-32	TX	-204	GA	+30 bp
AZ	-652	H	-4	TN	-202	AL	+20 bp
NY	-503	CA	-3	CA	-148	DE	+20 bp
MO	-315	AZ	-2	NY	-117	FL	+20 bp



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

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	One dose	% Pop	Immune	% pop	New immune today			
	367,395,195				+0.864 million	US	50.4%	59.4%
Total population	203,464,414	61%	173,051,001	52%	+0.329 million	UK	60.0%	69.7%
Age 12 to 17	11,476,002	48%	8,456,890	36%	+0.070 million	France	52.6%	68.4%
Age 18 to 64	139,652,203	69%	118,063,262	58%	+0.262 million	Spain	63.7%	74.3%
Age 65 and over	51,349,105	94%	45,718,739	84%	+0.004 million	Germany	57.1%	62.9%
						Italy	57.2%	67.5%
						Australia	21.1%	39.1%
						Israel	62.6%	67.7%
						Canada	64.2%	72.7%
						Japan	37.8%	50.0%
						Africa	2.2%	4.3%
						India	8.8%	31.1%
						Brazil	24.1%	57.3%
						China	54.0%	43.2%



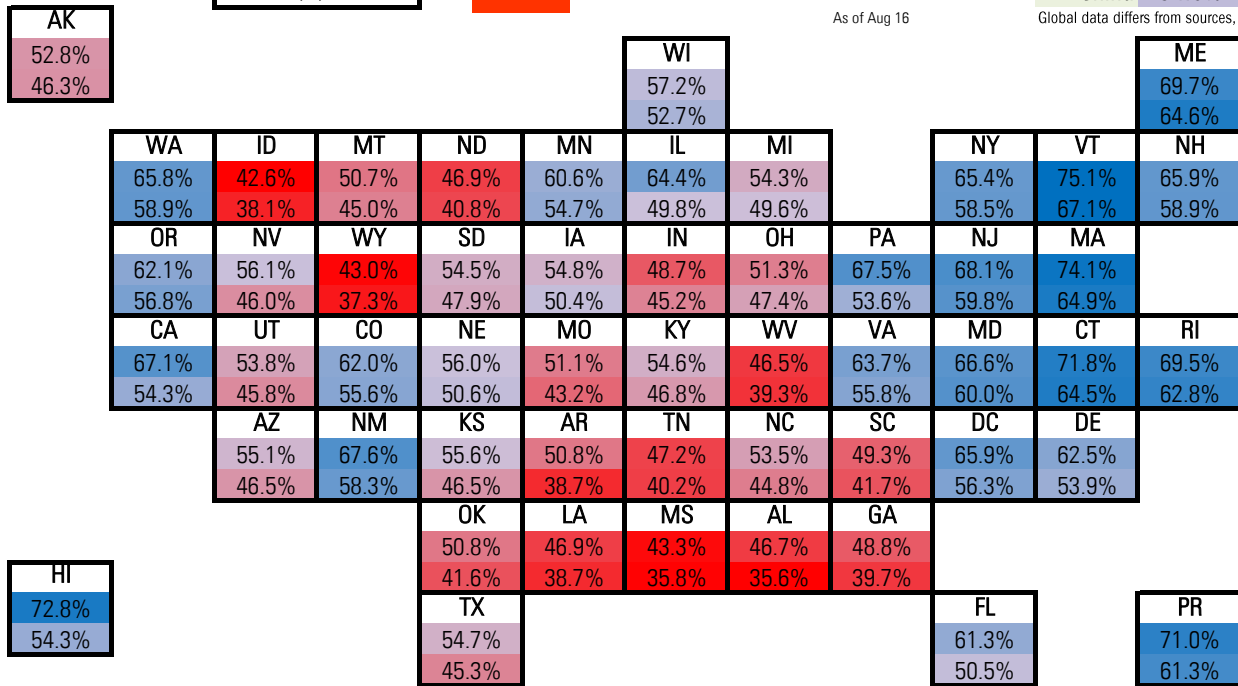
State
At least partial immunity as % population
Full immunity as % population



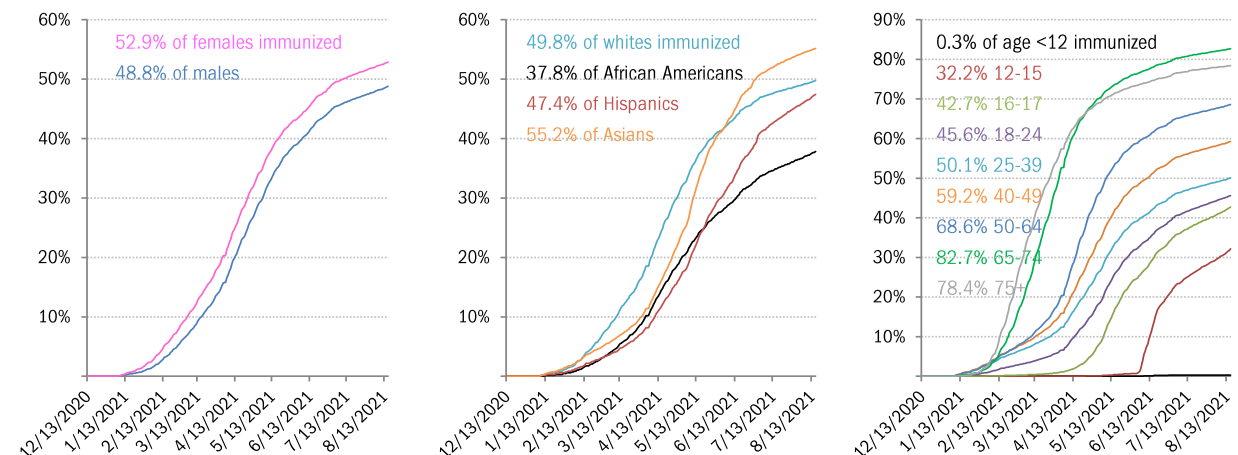
Every American >18 immune in **139 days** by Jan 1, 2022
 63.4% of population >18 immunized
 12.5% previously tested positive
76.0% vs 60% adult herd immunity*

As of Aug 16

Global data differs from sources, timing



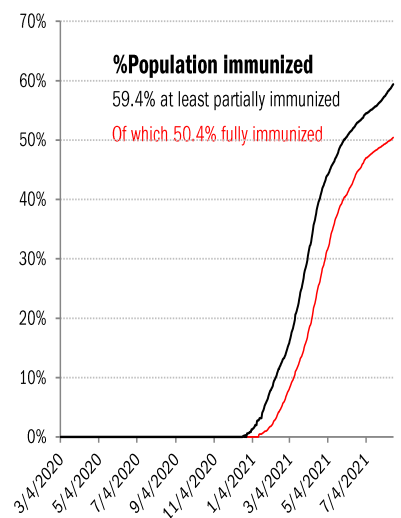
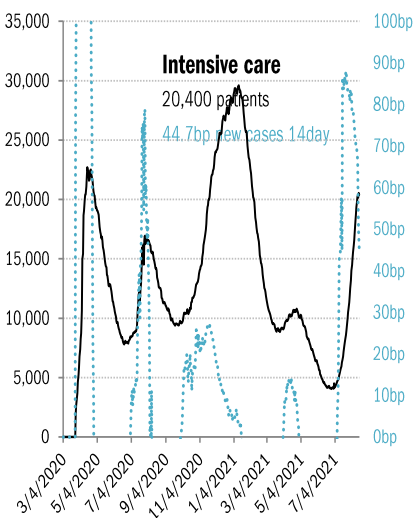
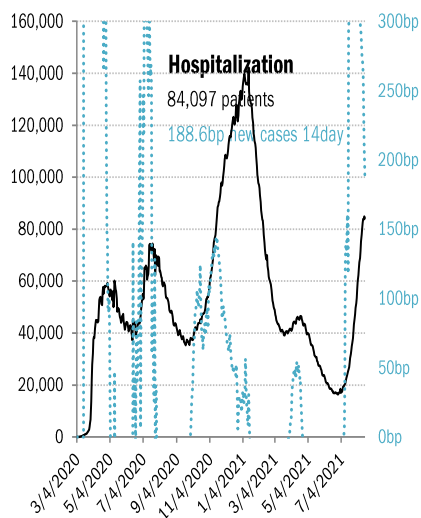
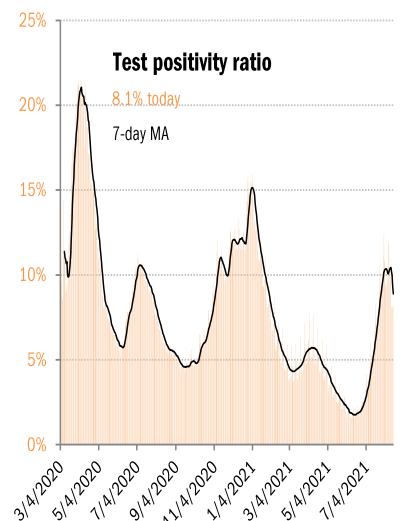
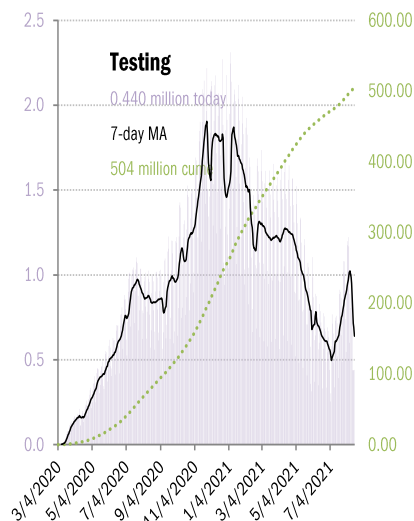
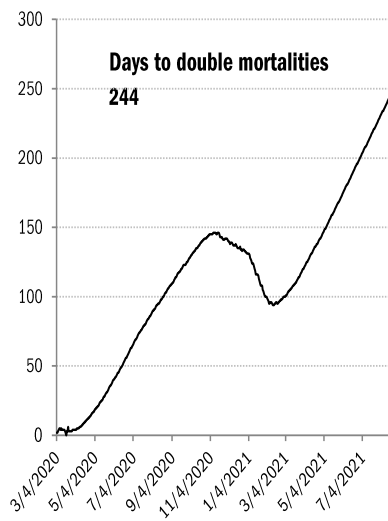
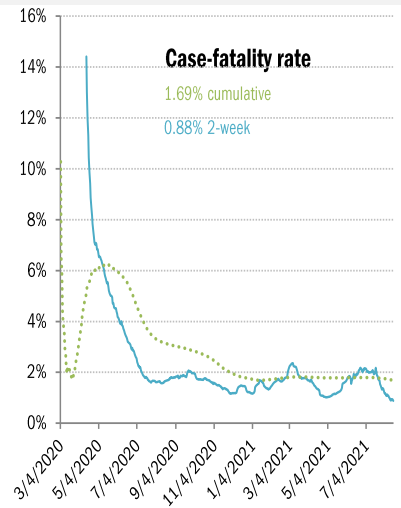
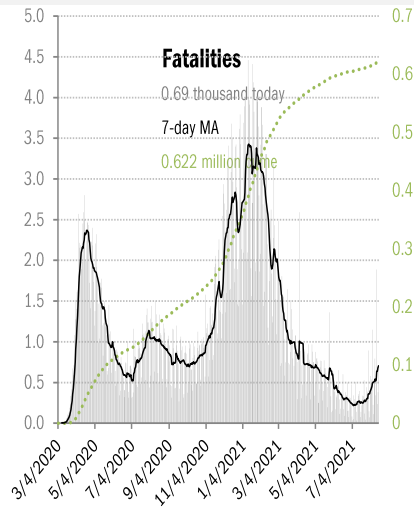
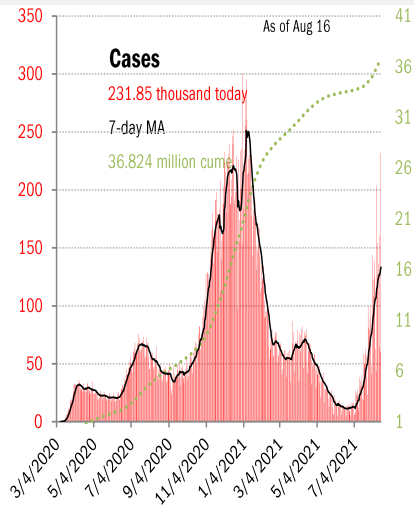
The demographics of US vaccination



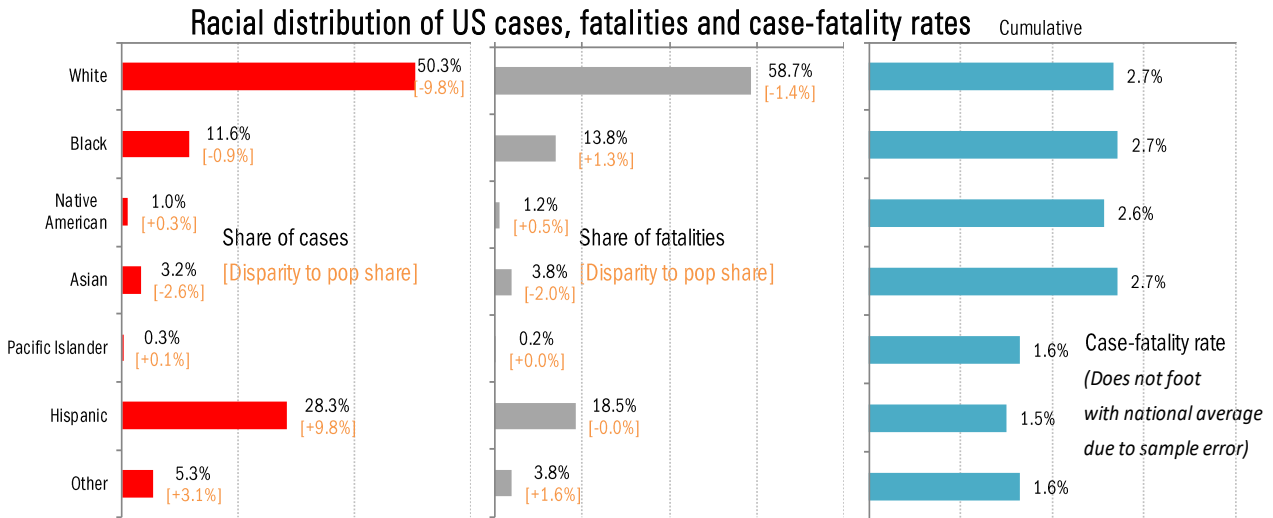
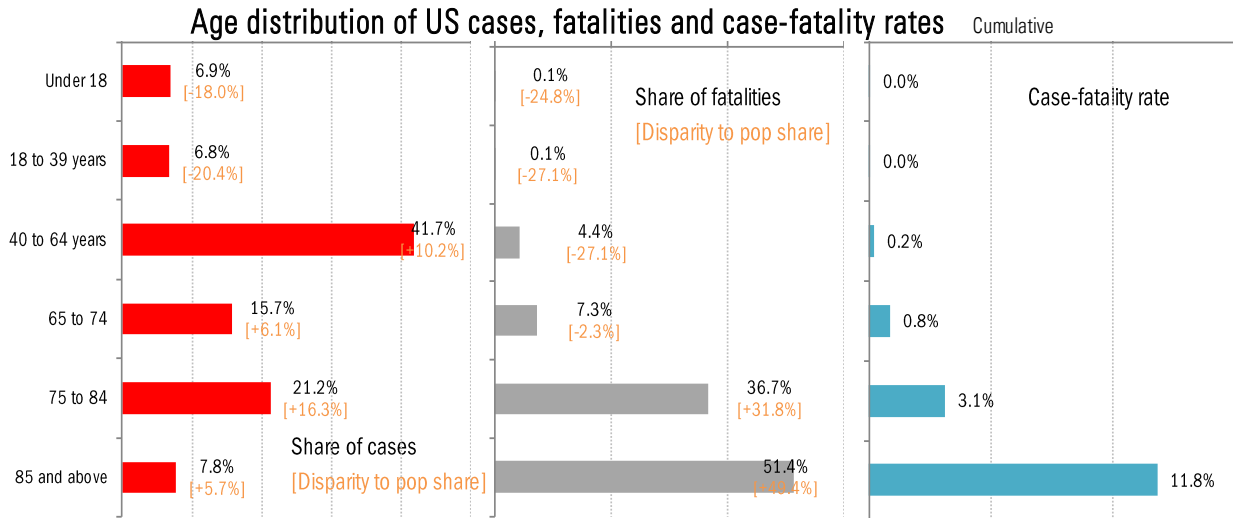
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

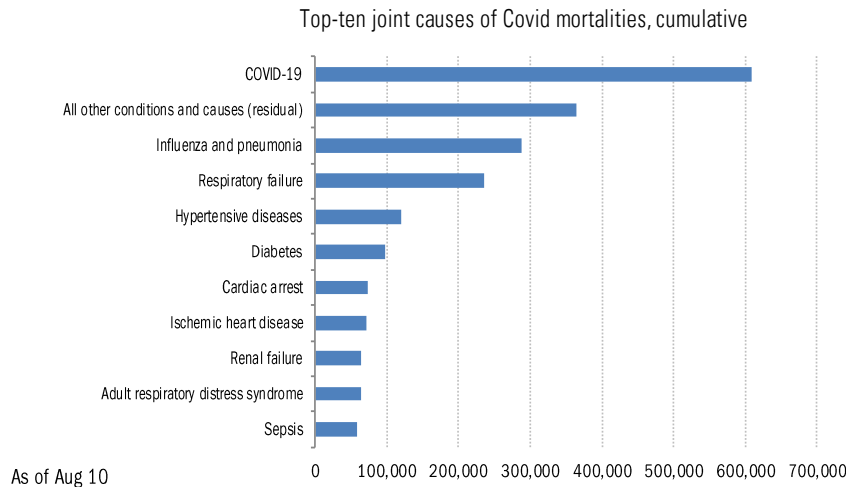
National and state-by-state data do not line up because of different sources



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.

Recommended reading

[Biden Administration Expected to Call for Covid-19 Vaccine Booster Shots](#)

Andrew Restuccia and Sabrina Siddiqui
Wall Street Journal
August 16, 2021

[Delta Surge Drives Home Painful Truth: Covid Isn't Going Away](#)

Julie Bosman and Mitch Smith
New York Times
August 16, 2021

[Follow Your Nose to Herd Immunity](#)

Michael Segal
Wall Street Journal
August 16, 2021

[How America became a mad house](#)

Christopher Caldwell
UnHerd
August 16, 2021

[State of Play: What Researchers Know — and Don't — about Enrollment Declines and Learning Loss as School Year Gets Underway](#)

Beth Hawkins
The 74
August 15, 2021

[At least 74 people on Martha's Vineyard have tested positive for Covid-19 since Barack Obama's maskless 60th birthday bash - the most cases on the island since April](#)

Shawn Cohen
Daily Mail
August 13, 2021

[The World Needs to Know What Happened at the Wuhan Lab](#)

Robert Redfield and Marc Siegel
Wall Street Journal
August 15, 2021

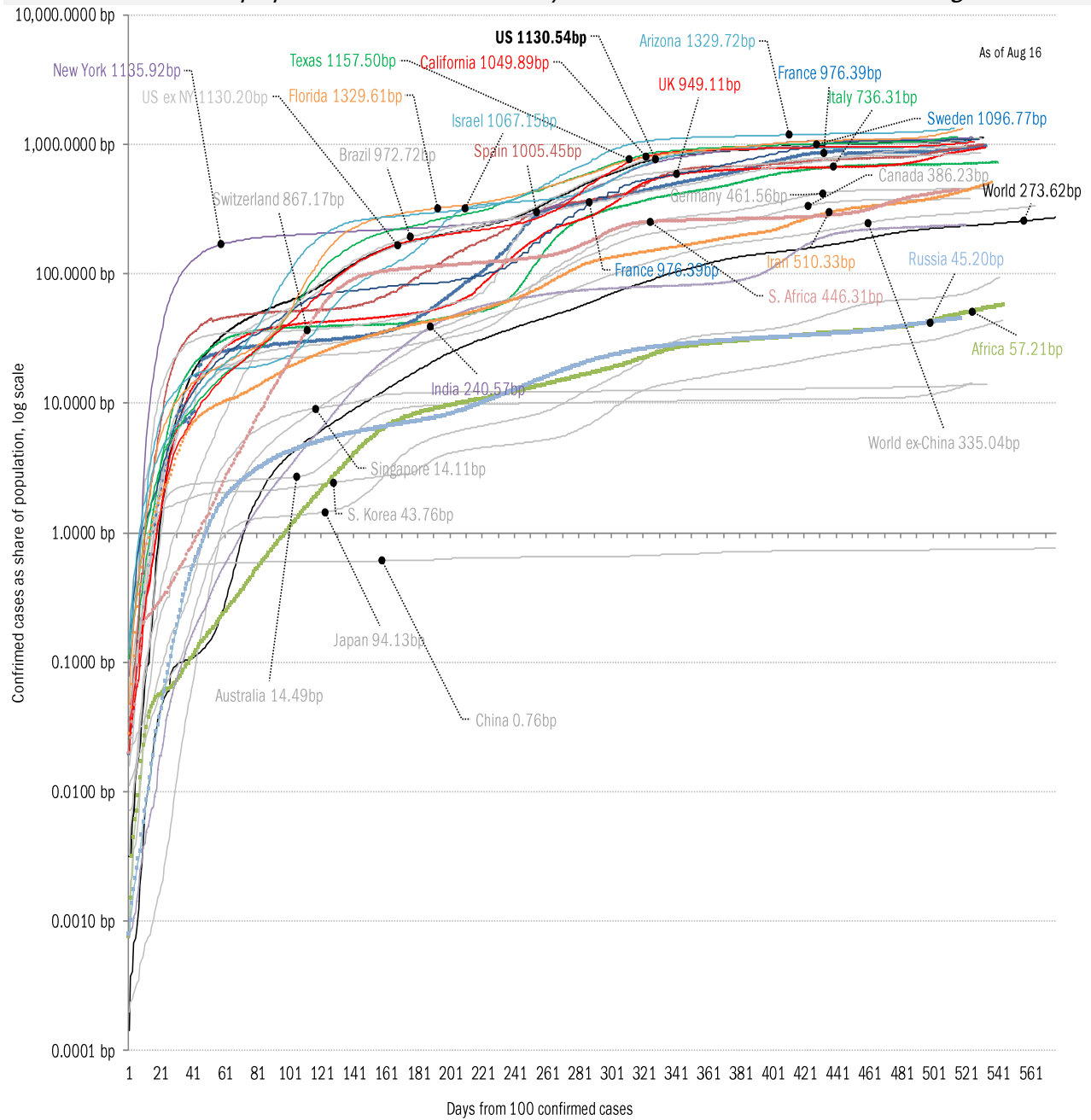
Meme of the day



Bikers At Sturgis Rally Put Up 'Happy Birthday Obama' Sign So COVID Can't Spread

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

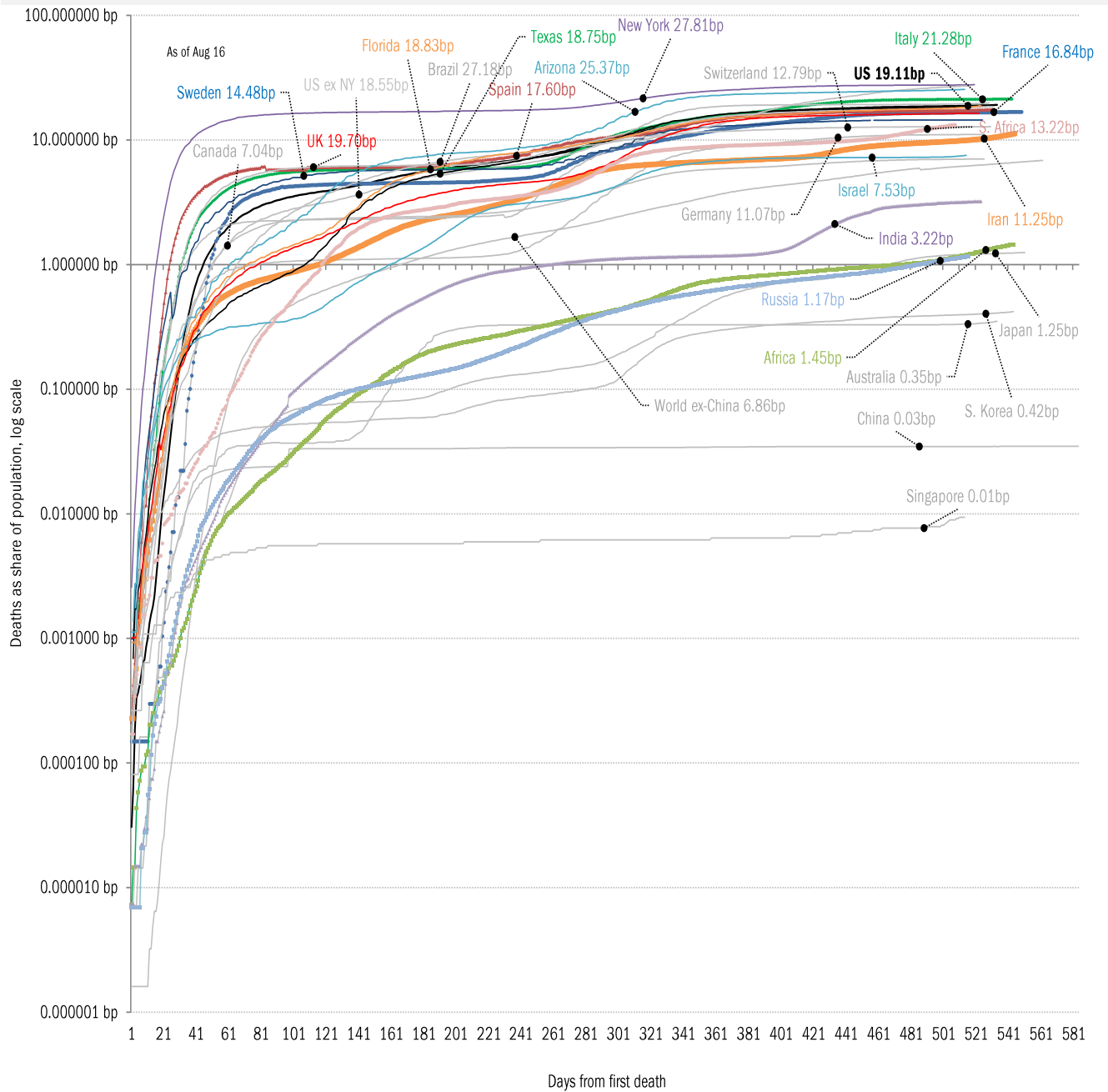
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

The coronavirus mortality accelerometer ... tracking the world's fatality curves

Share of deceased population from day of first fatality, log scale

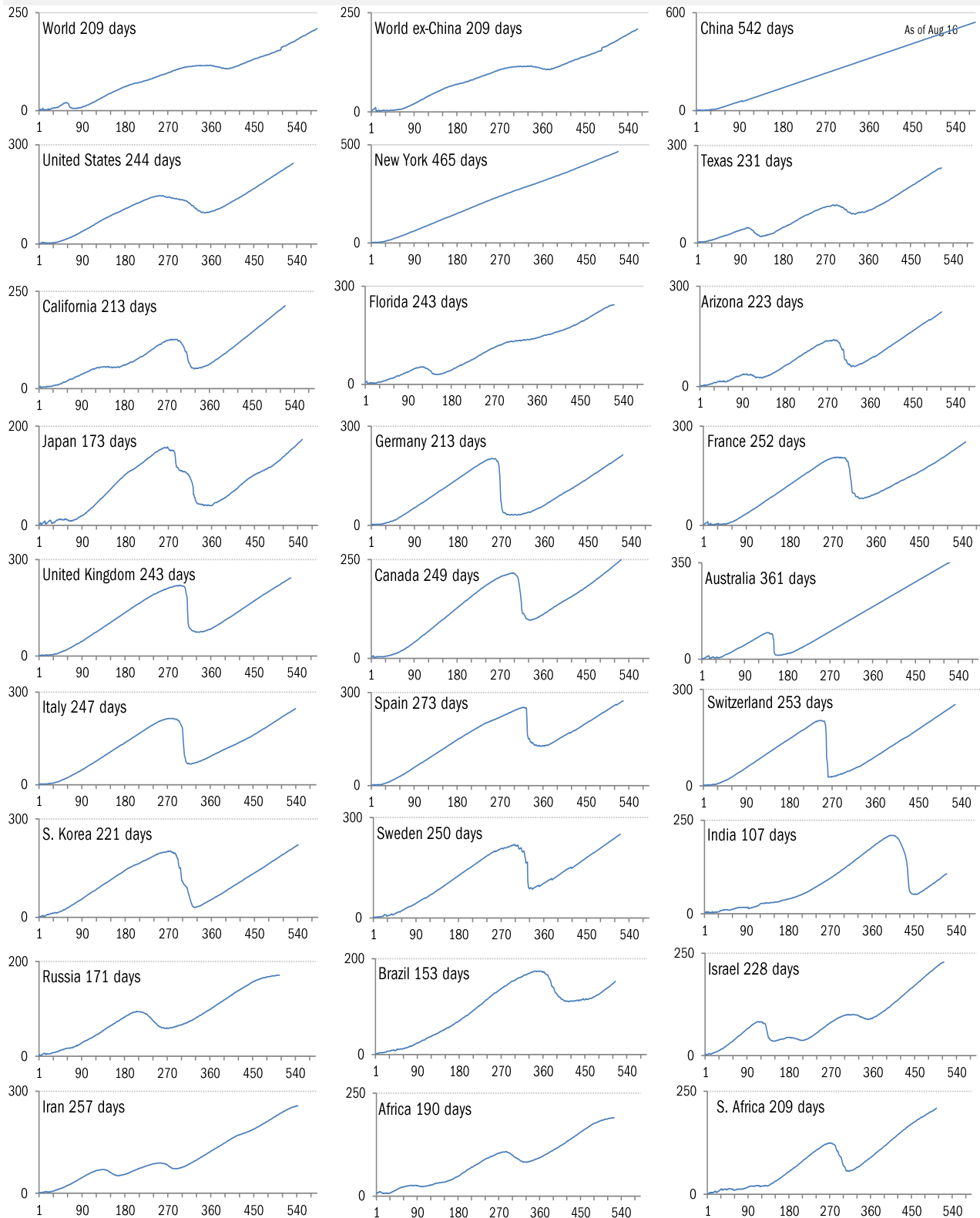


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

Vertical: days to double deaths Horizontal: days from first death

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

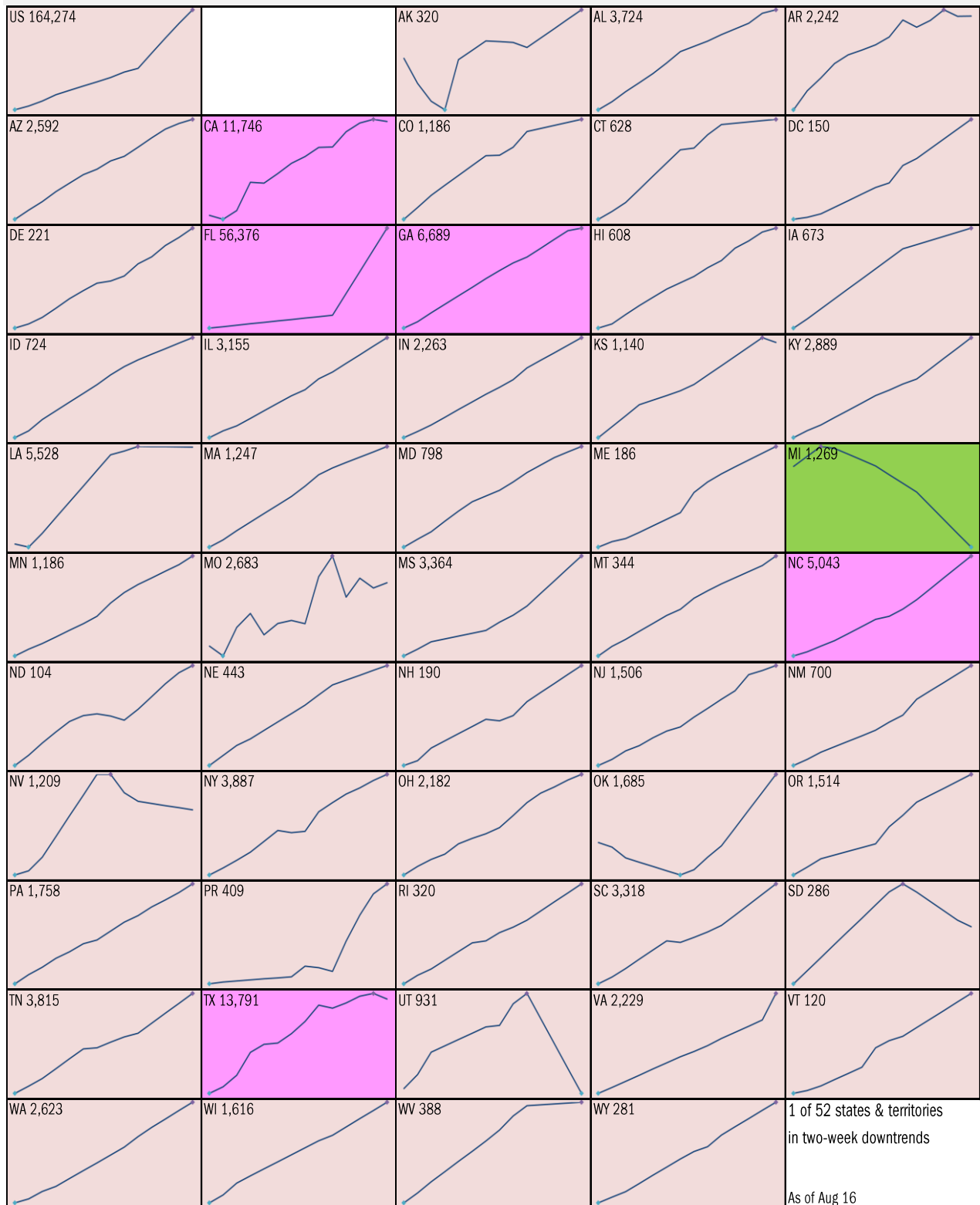


Source: [Johns Hopkins](#), TrendMacro calculations

Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases

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

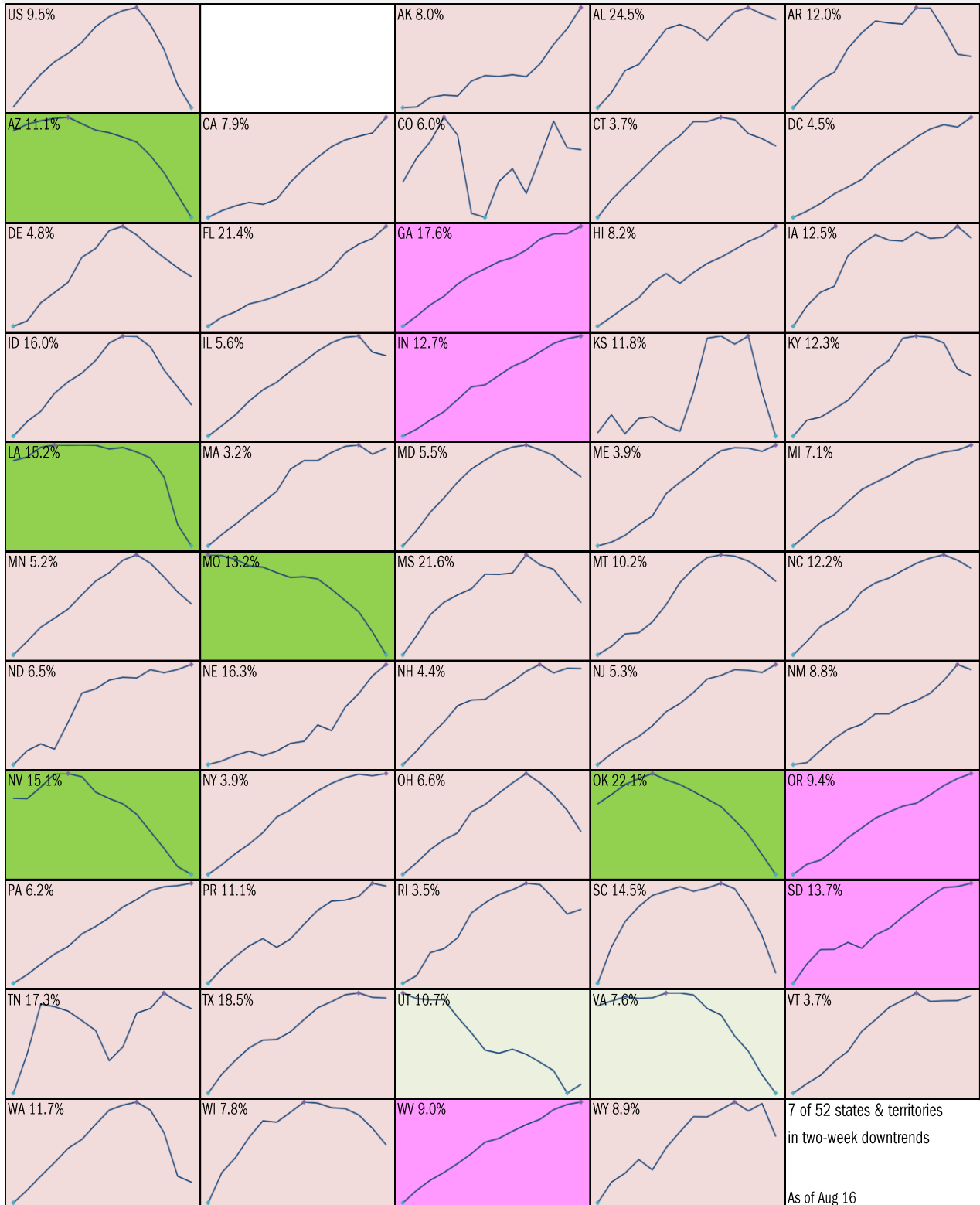
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

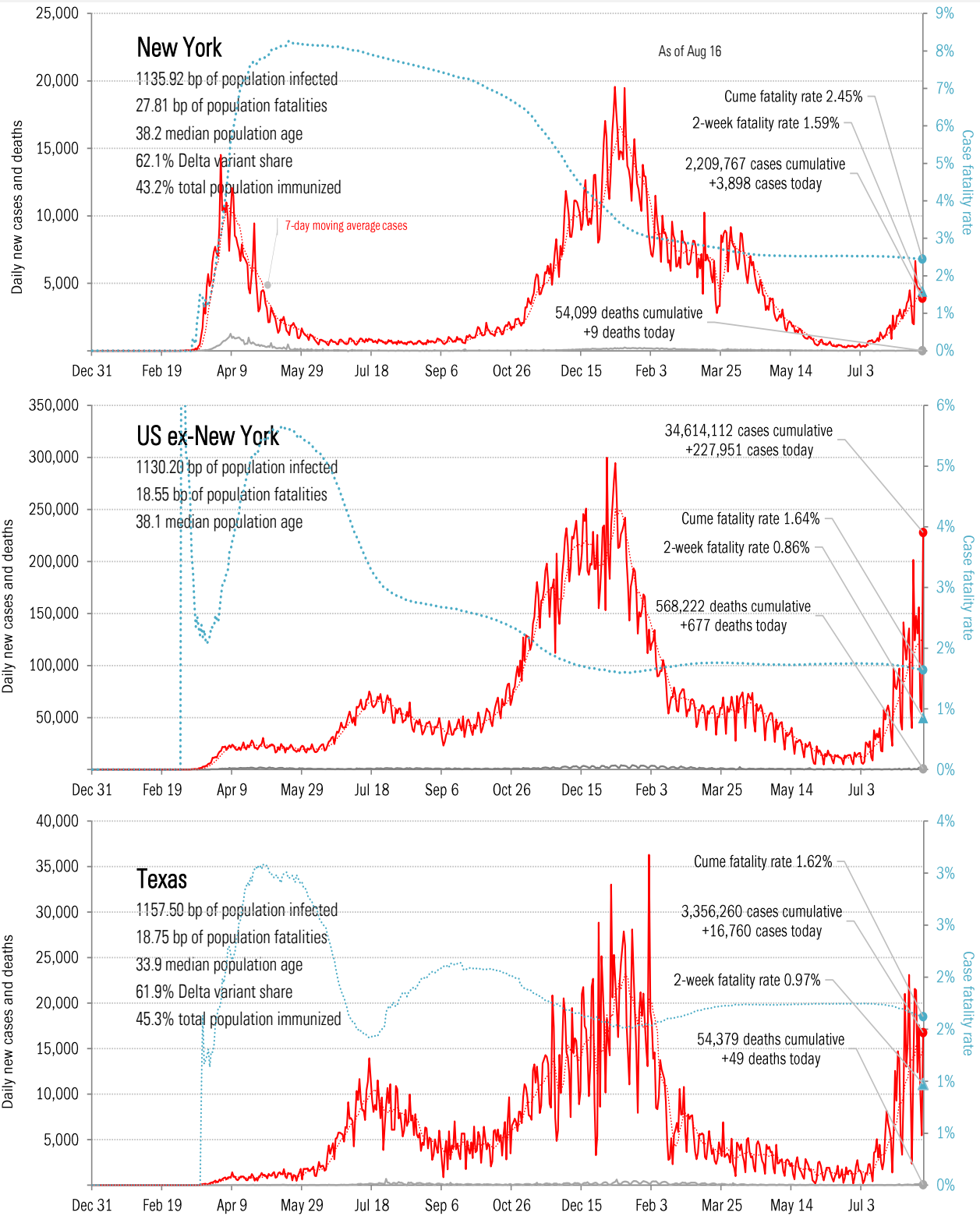
Alt requirement to [Open Up America Again](#): 14-day "downward trajectory" in pos tests

14-day moving average, last 14 days *Most recent value displayed* ● High ● Low
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



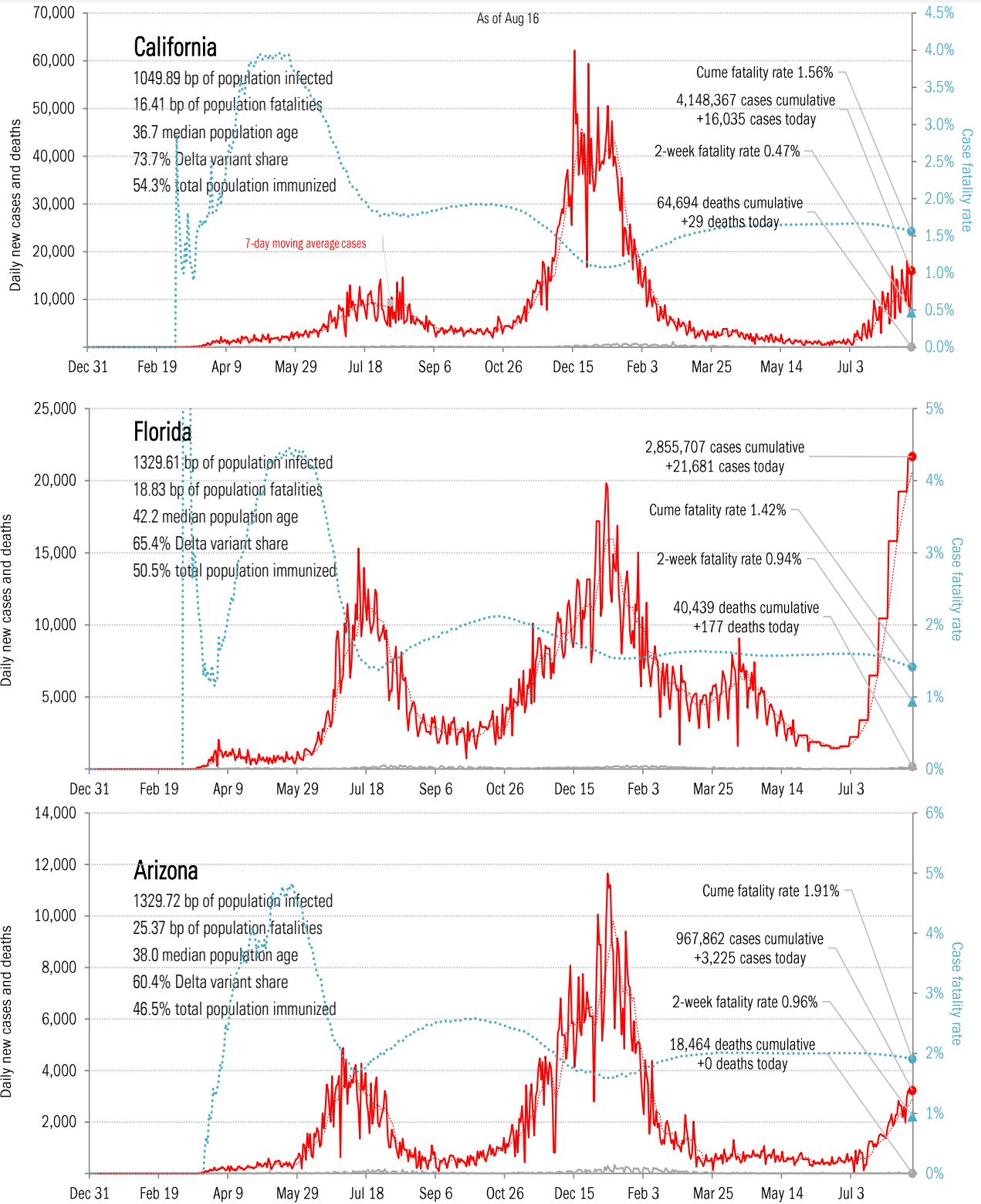
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



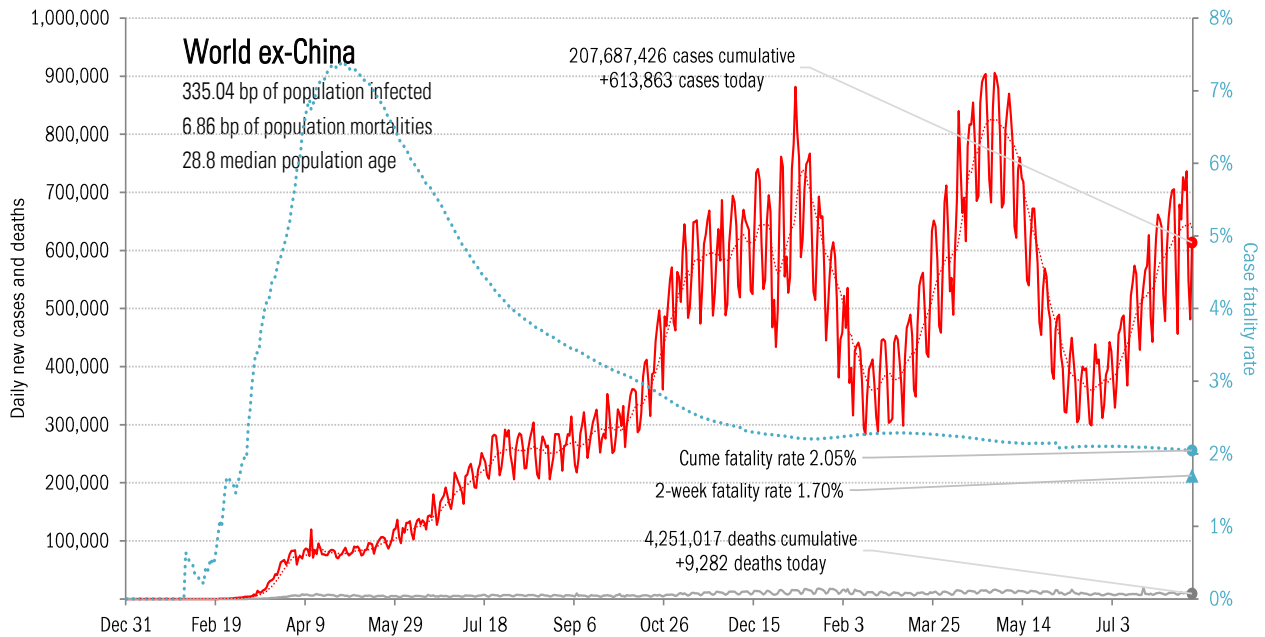
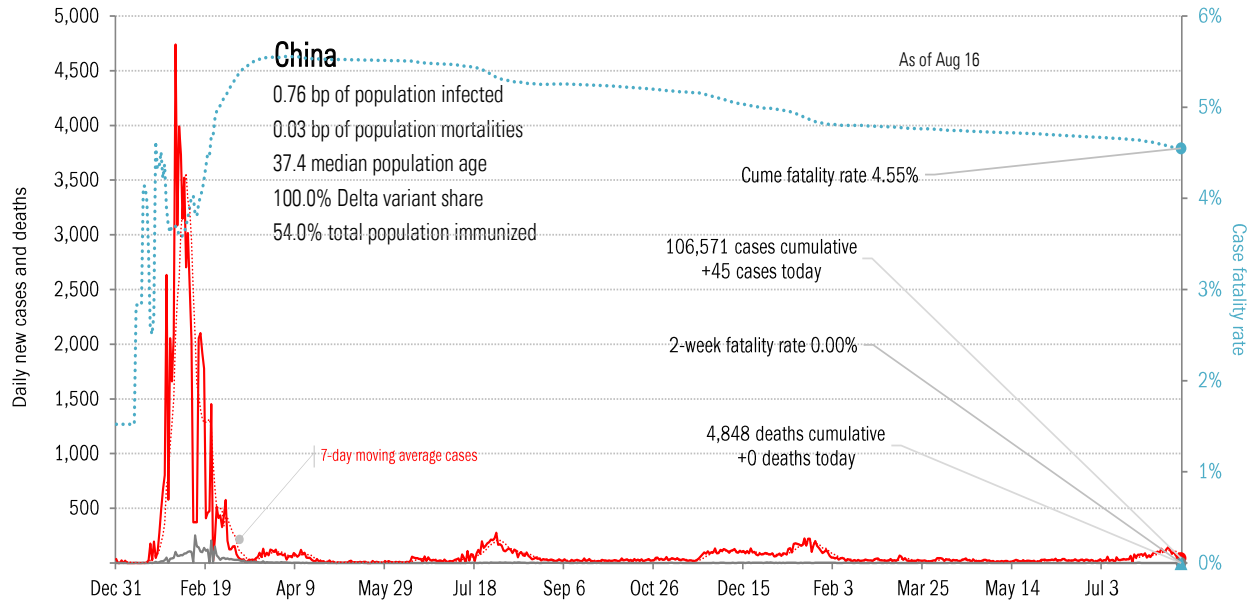
Source: [Johns Hopkins](#), TrendMacro calculations

The sun-belt hot-spot states (other than Texas)



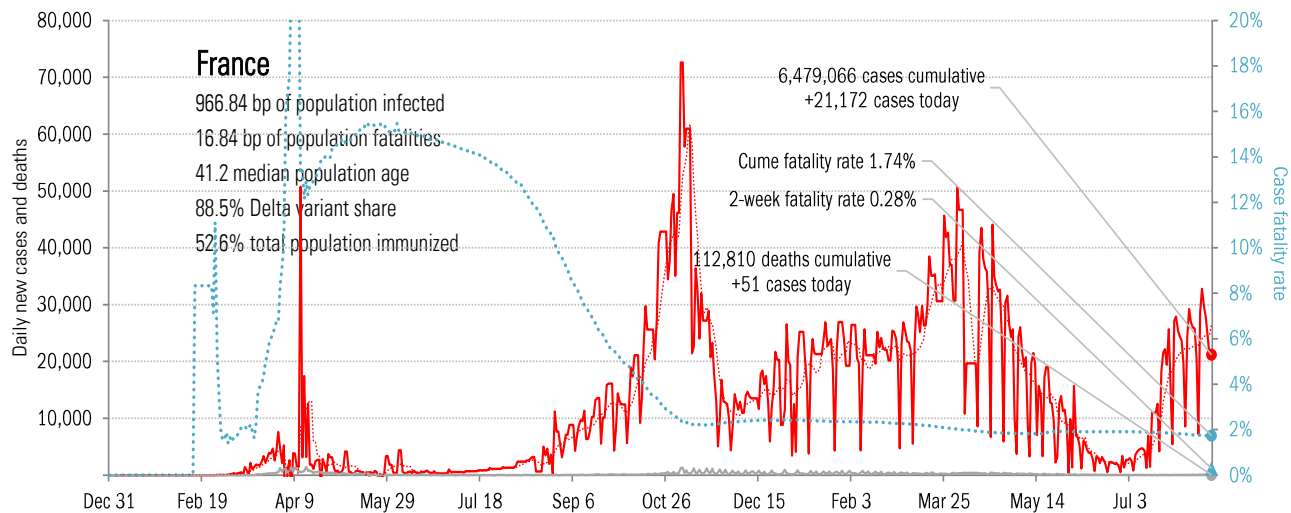
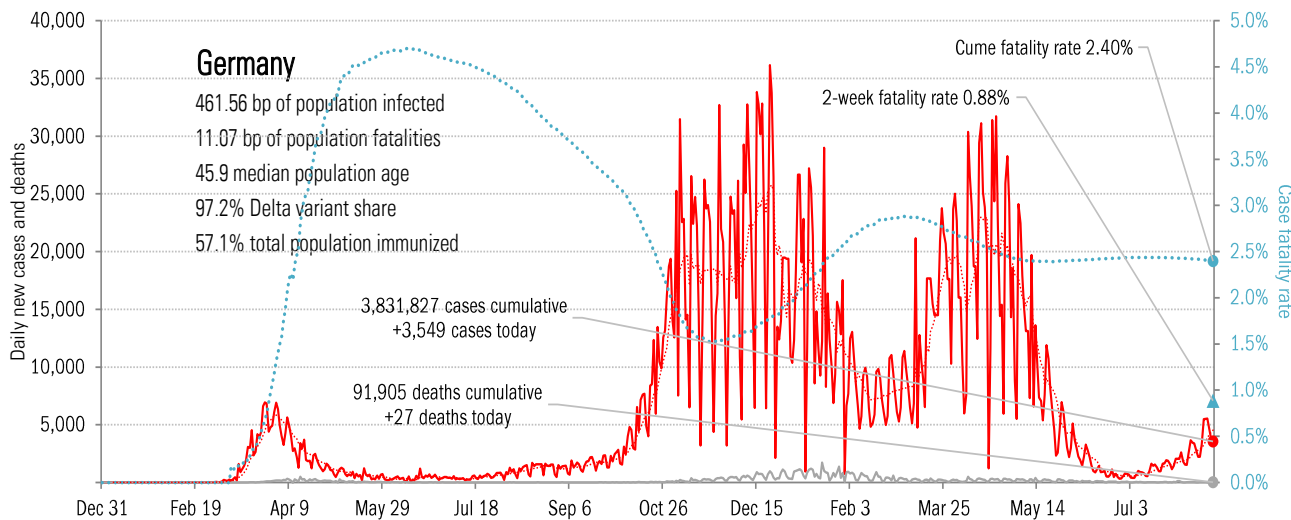
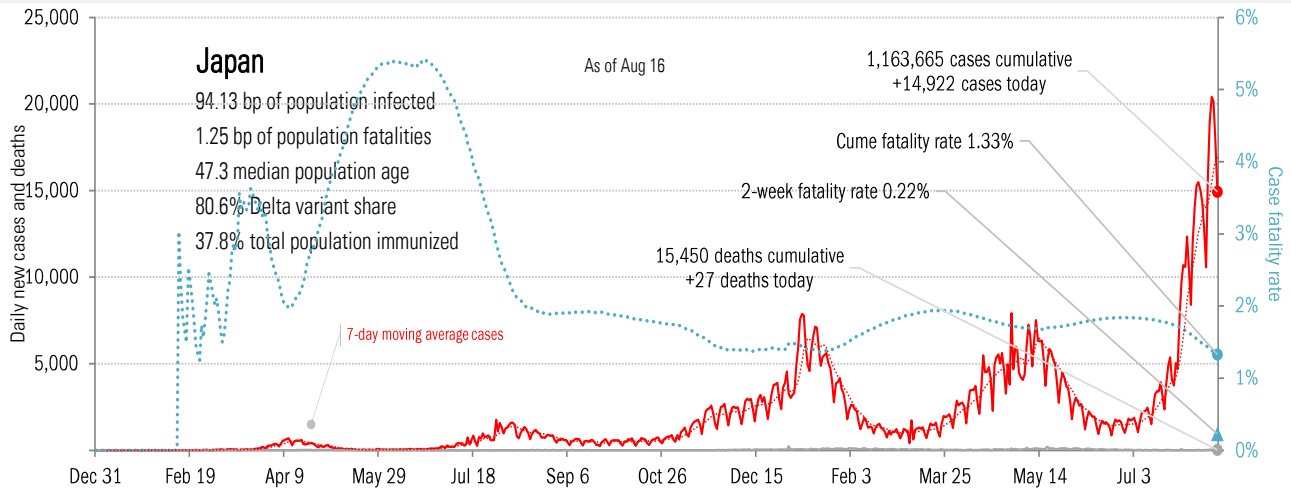
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



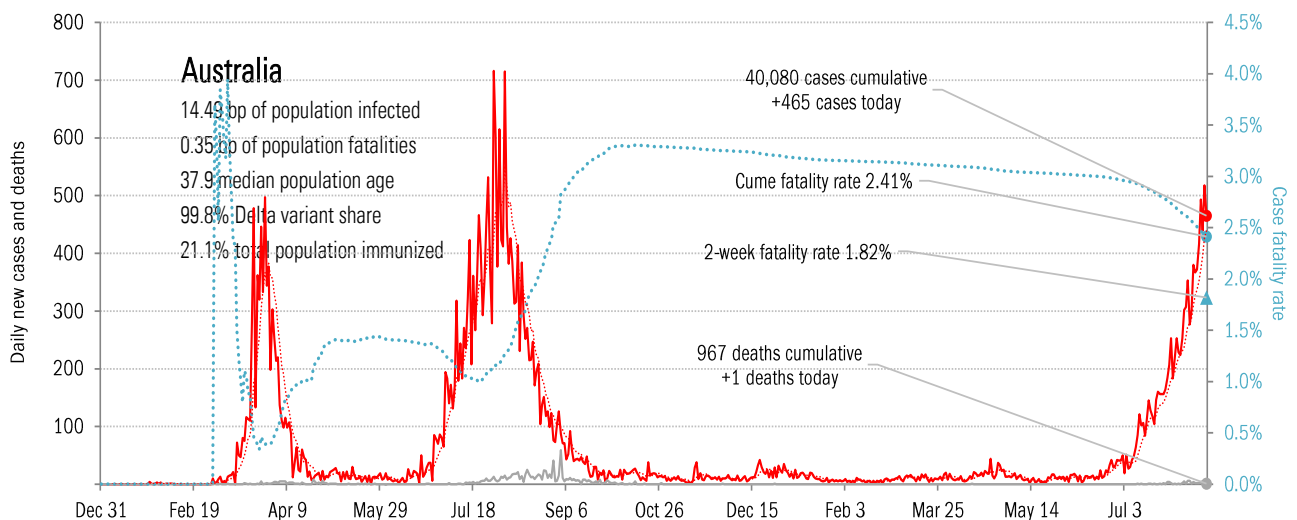
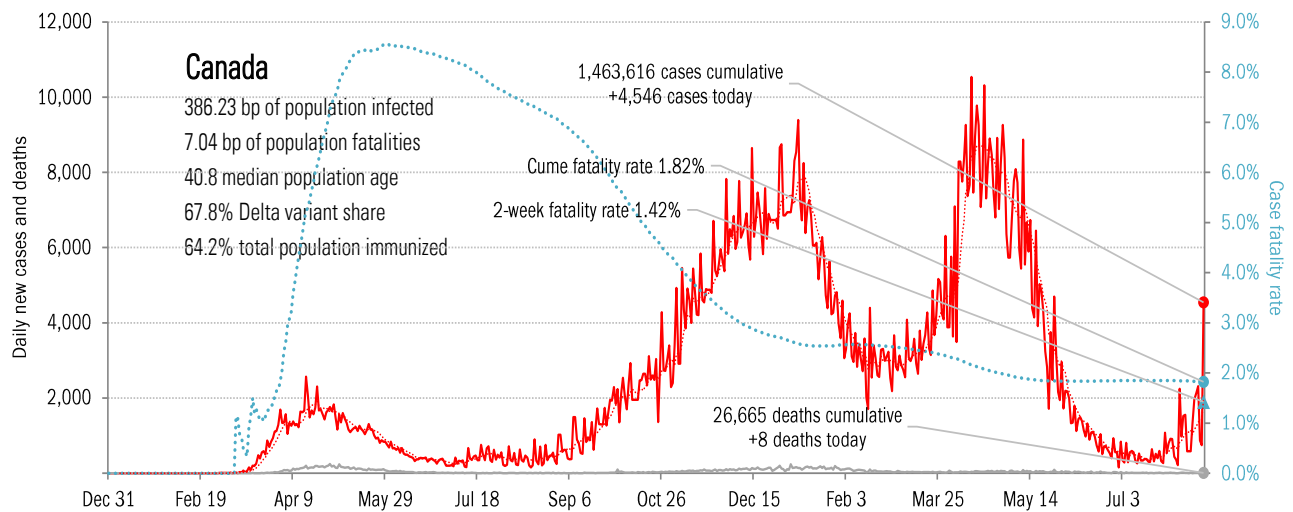
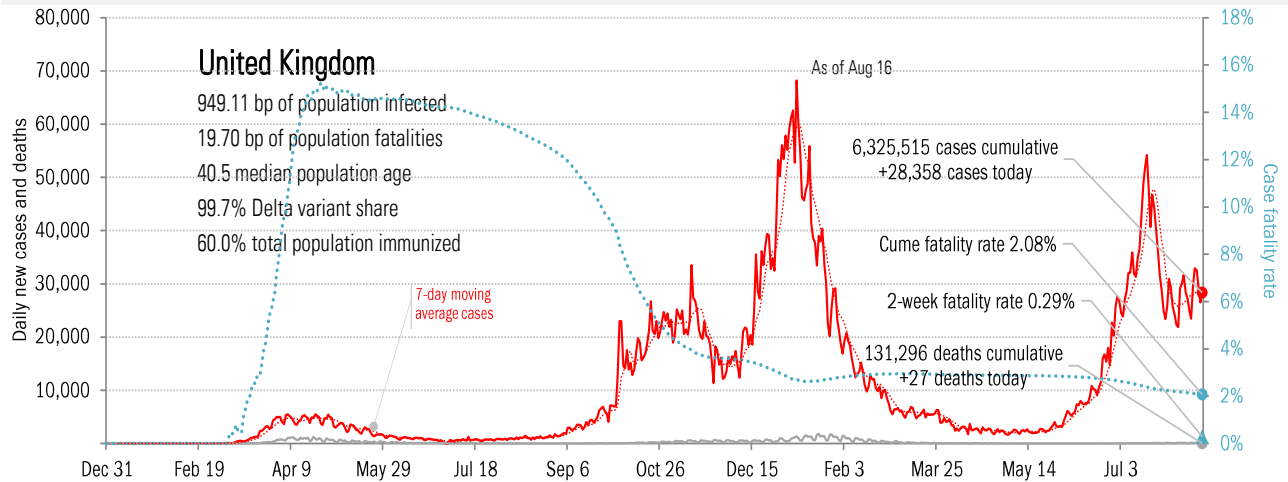
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



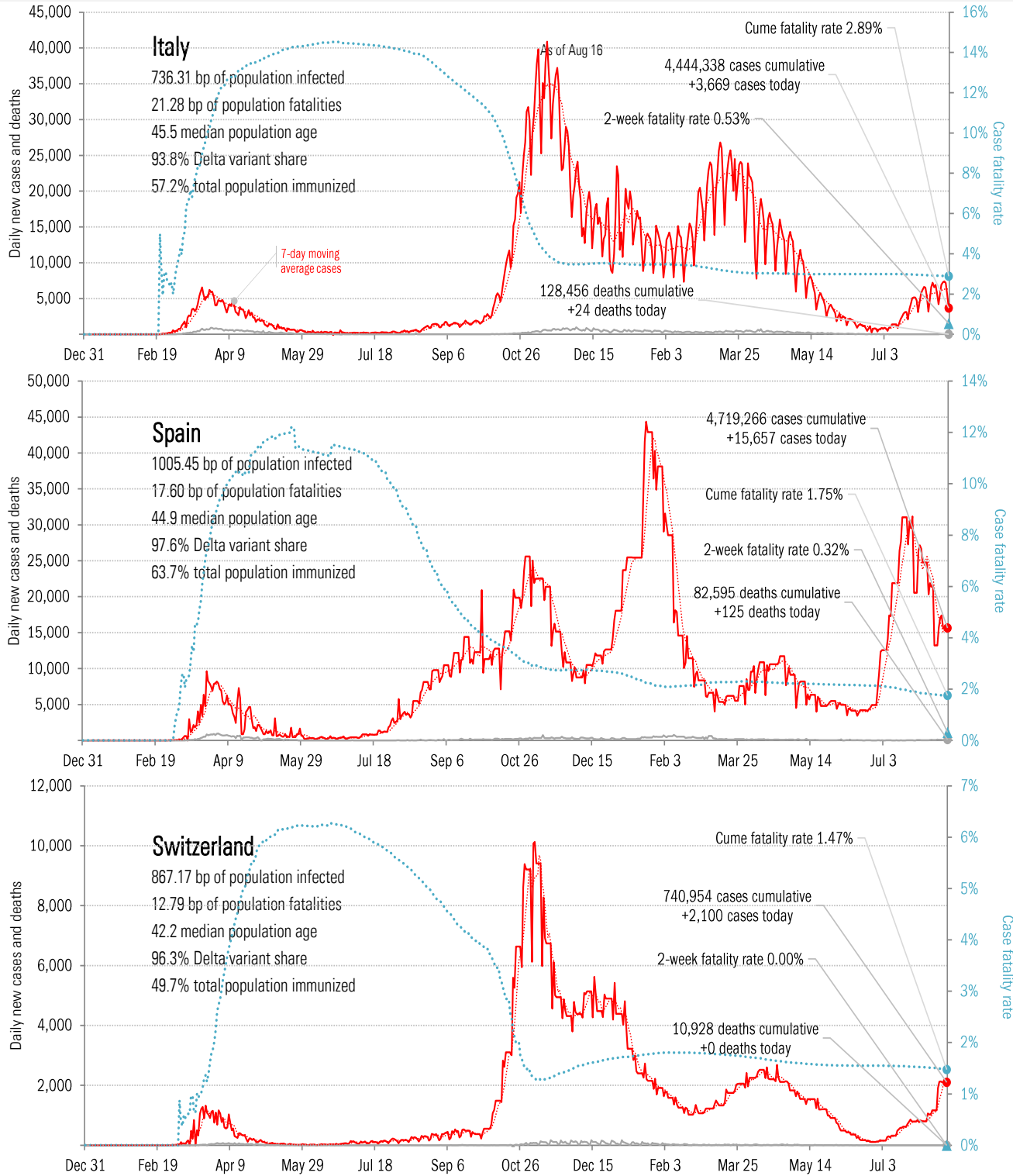
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



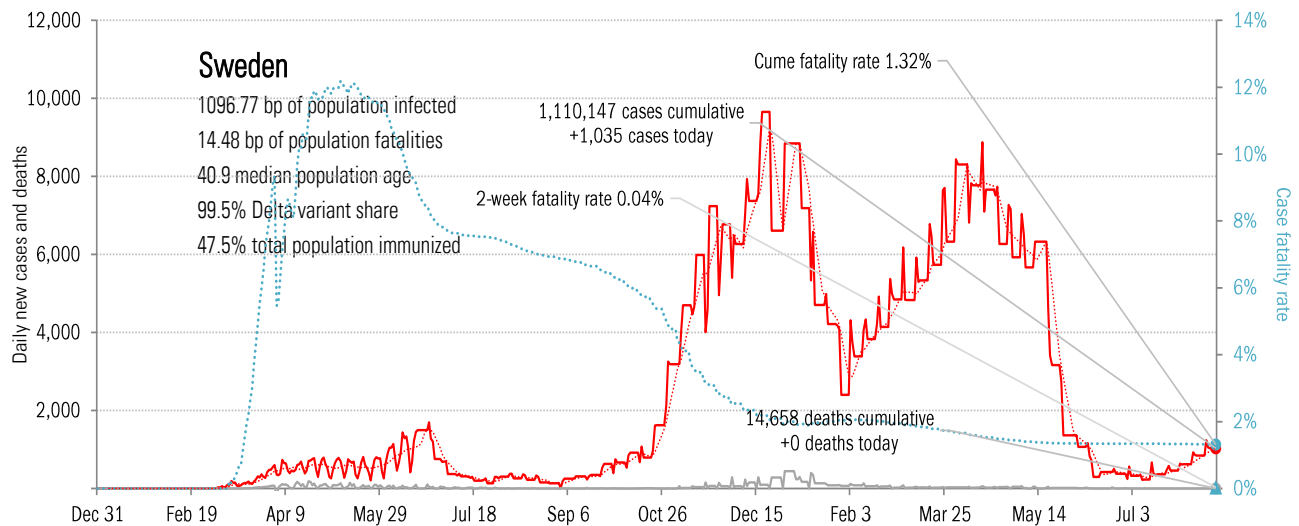
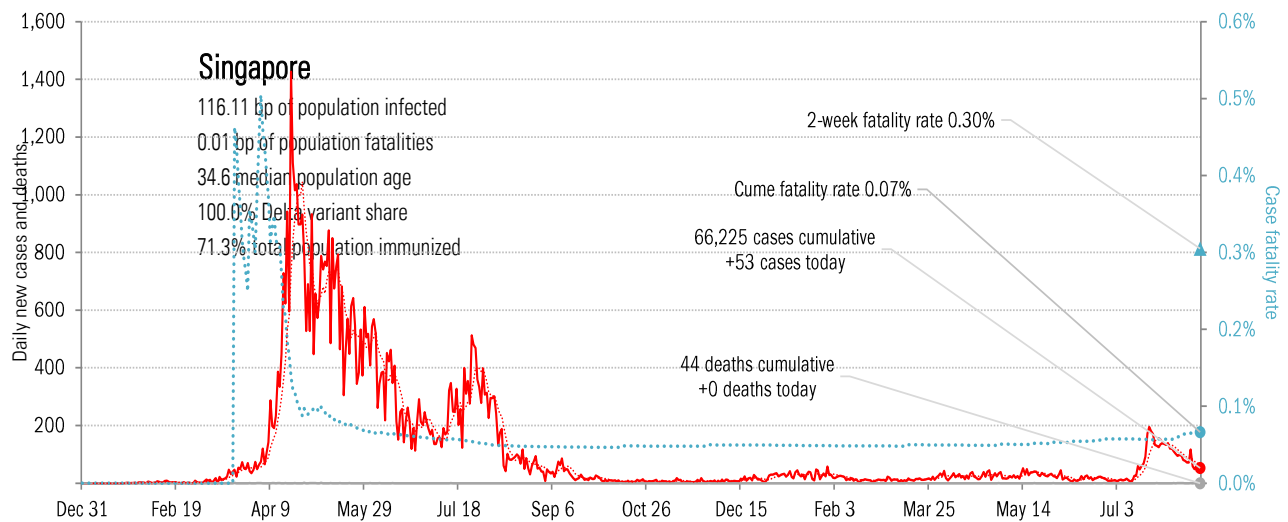
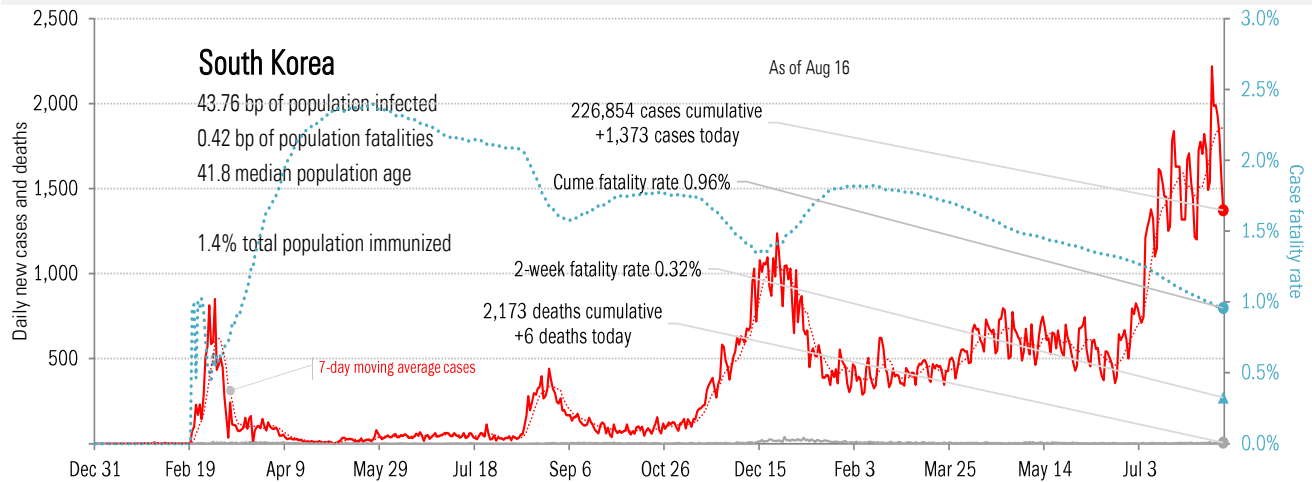
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



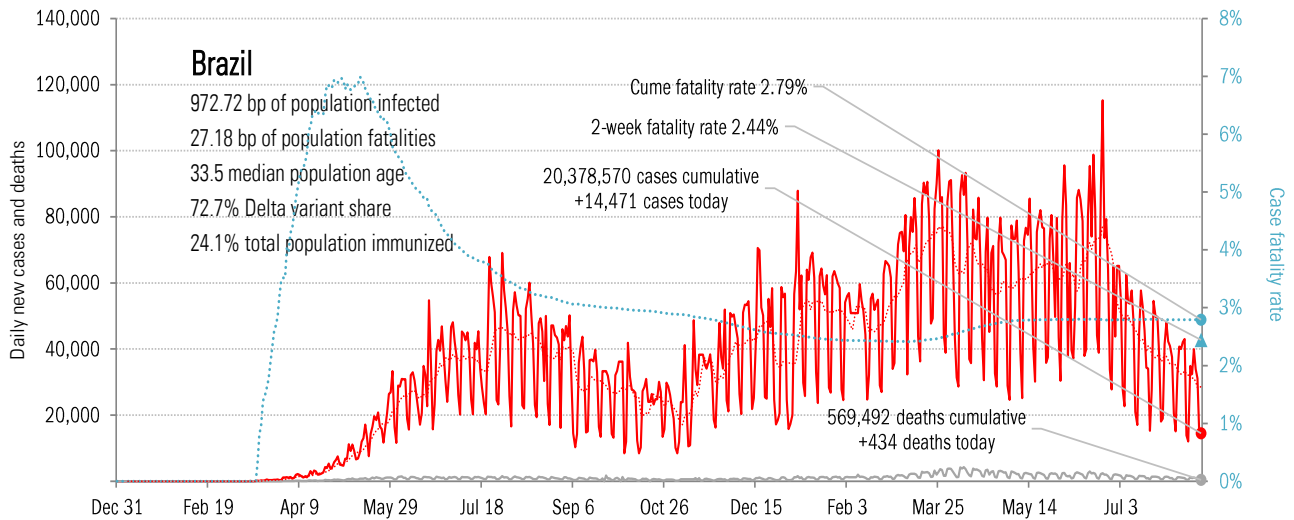
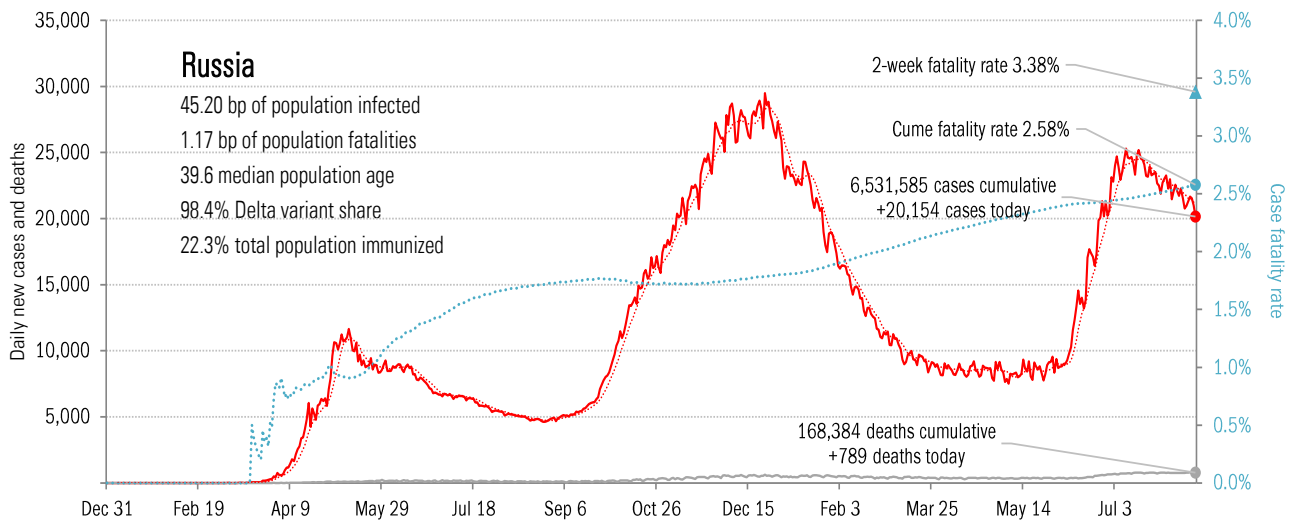
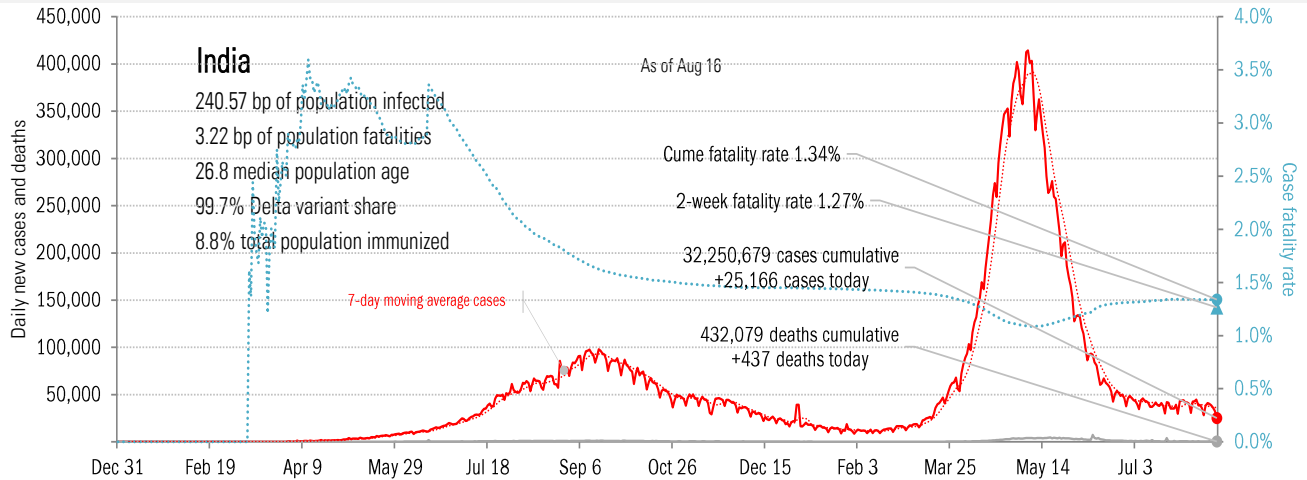
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



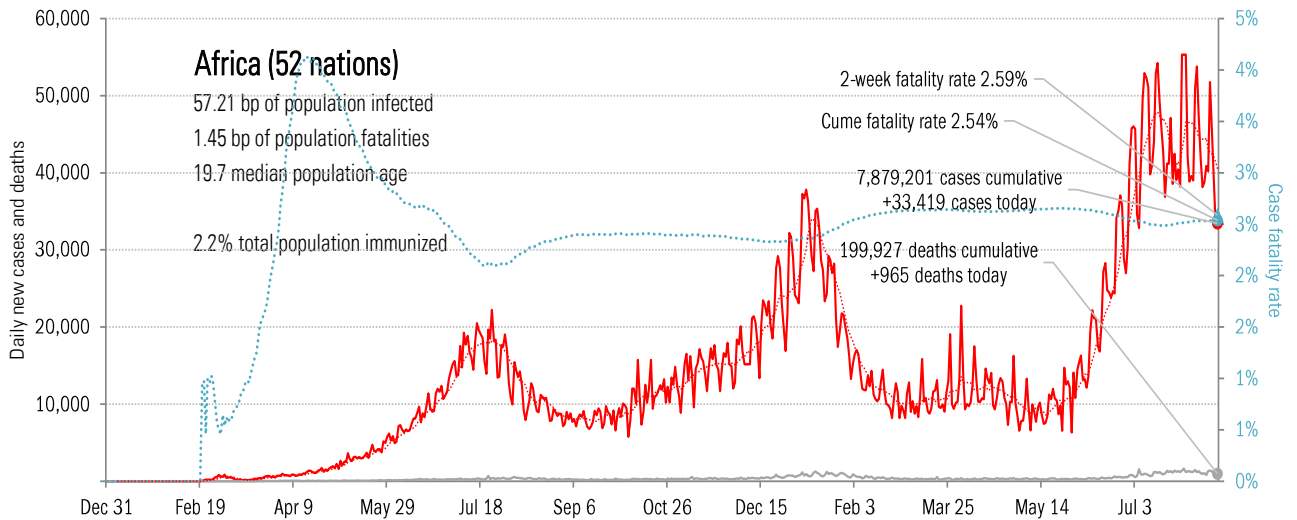
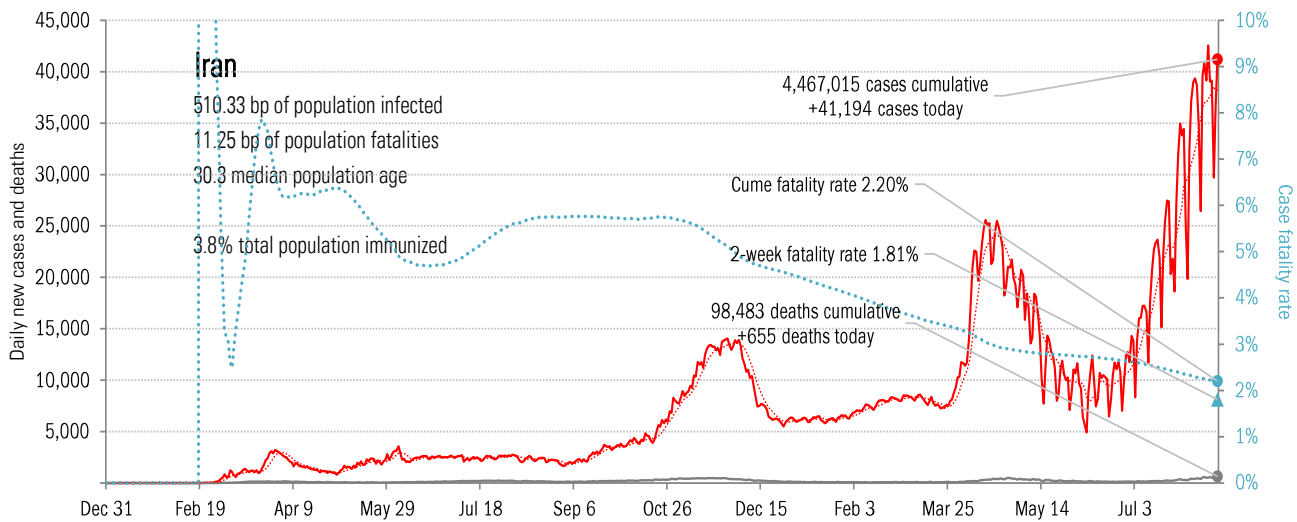
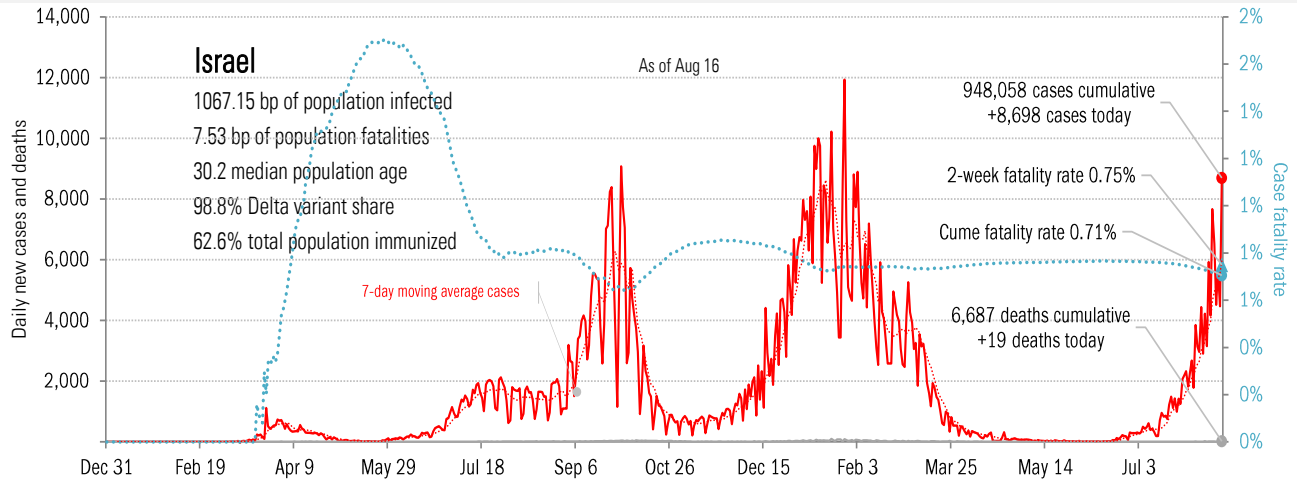
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



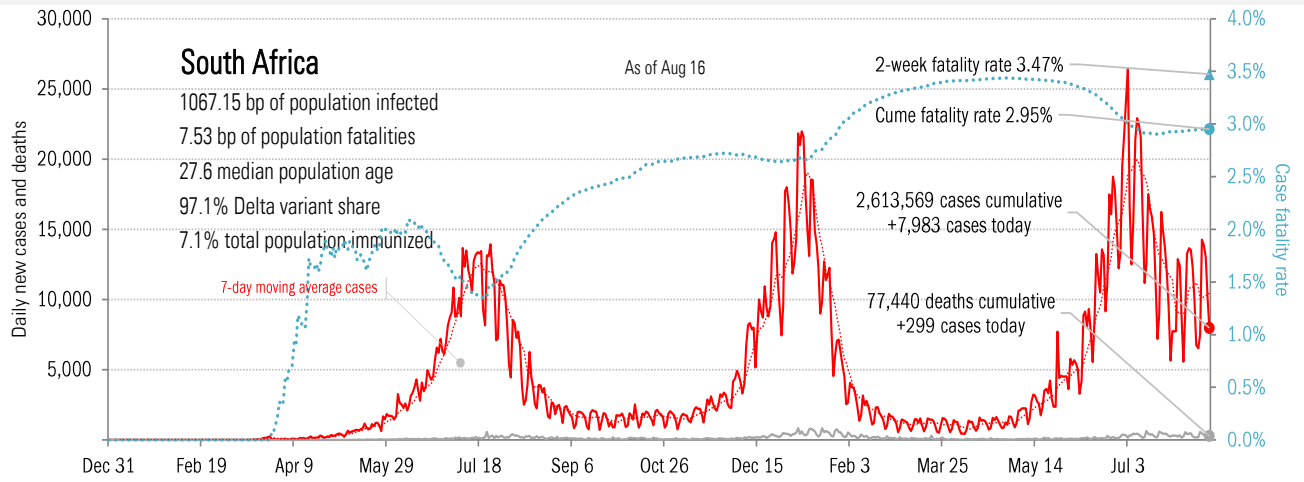
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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