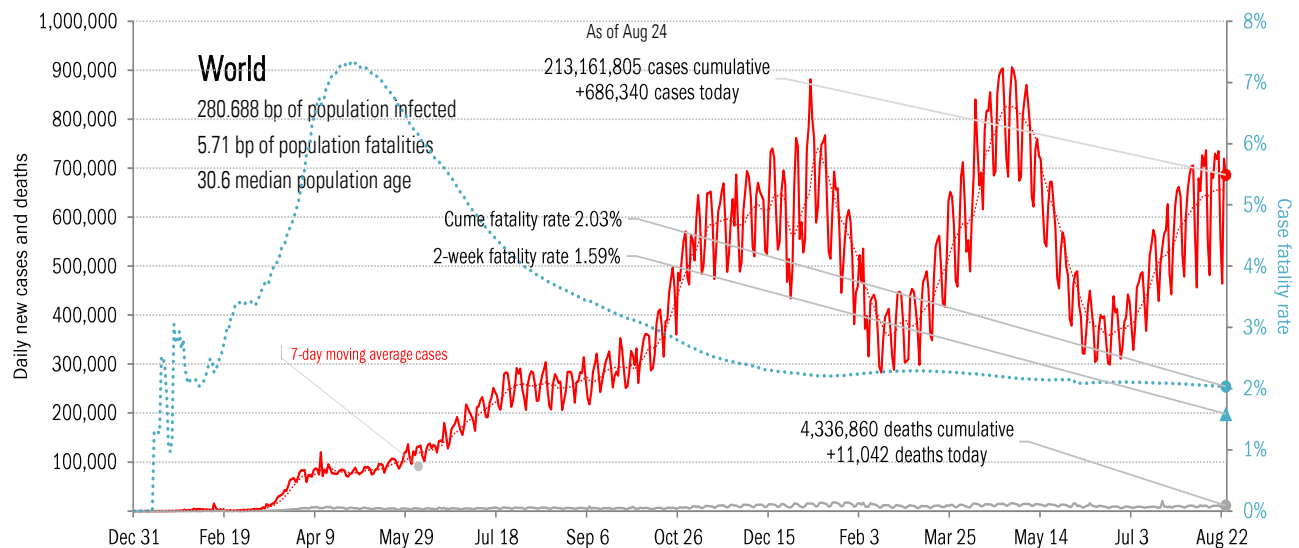
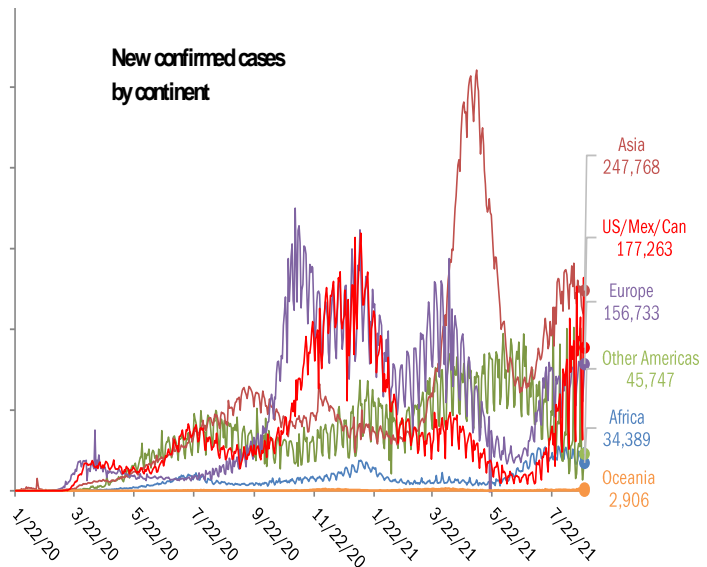


Data Insights: Covid-2019 Monitor

Wednesday, August 25, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+156,779	United States	+1,405
Iran	+40,623	Indonesia	+1,038
India	+37,593	Mexico	+940
Brazil	+30,872	Brazil	+894
United Kingdom	+30,762	Russia	+774
France	+25,914	Iran	+709
Japan	+21,610	India	+648
Malaysia	+20,837	South Africa	+369
Turkey	+19,191	Vietnam	+348
Indonesia	+19,106	Philippines	+303
+403,287		+7,428	
World +686,340		World +11,042	
Top ten 59%		Top ten 67%	



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

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

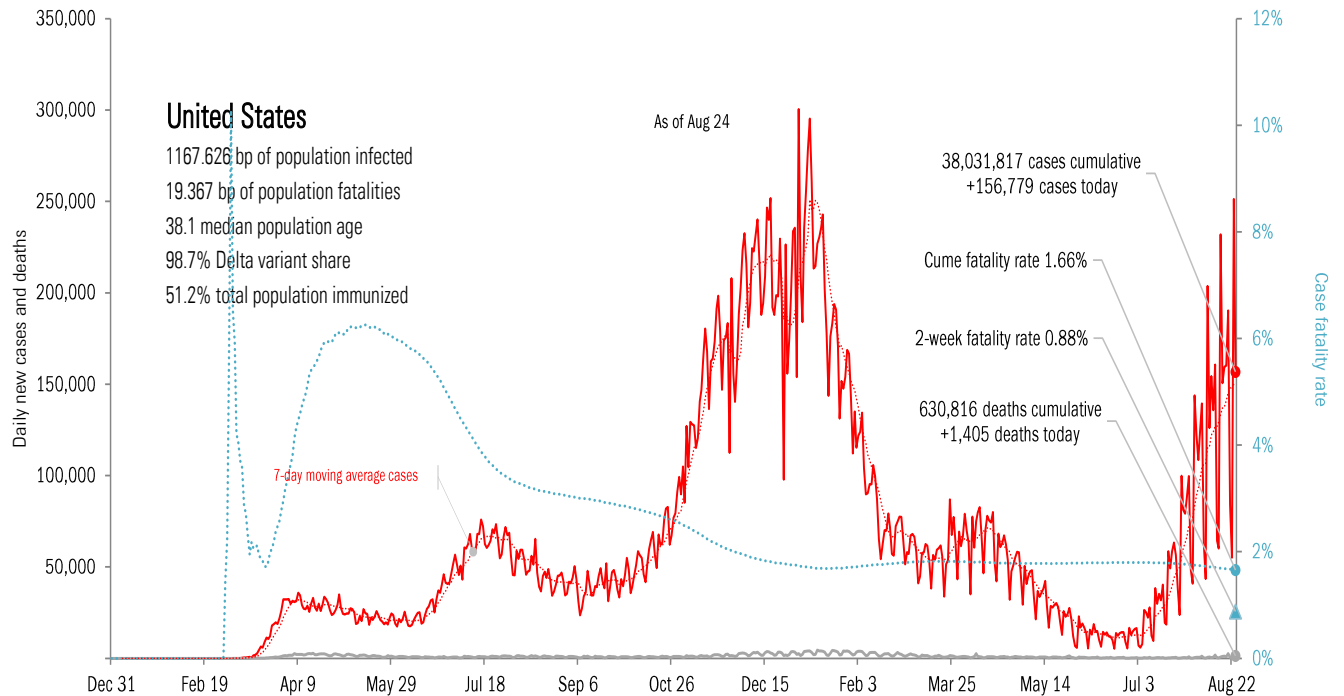
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+23,088		FL	+236		GA	+98		CA	4,266,957		CA	65,259		TX	308,639		GA	90%	MS	62%
FL	+21,534		TX	+203		KY	+51		TX	3,499,482		TX	55,549		CA	272,122		FL	86%	AL	56%
CA	+15,253		MO	+163		IN	+38		FL	3,028,420		NY	54,070		FL	264,224		RI	86%	GA	55%
GA	+9,186		LA	+139		SD	+22		NY	2,244,898		FL	42,112		NY	144,705		MA	83%	FL	54%
TN	+5,153		MS	+111		NH	+20		IL	1,494,571		PA	28,098		GA	129,949		SC	81%	TX	51%
KY	+4,626		CA	+89		VA	+19		GA	1,337,342		NJ	26,775		PA	96,579		PA	81%	AR	50%
NC	+4,623		IN	+57		WY	+17		PA	1,277,105		IL	26,209		CH	95,234		NV	80%	LA	49%
CH	+4,117		GA	+46		IA	+14		CH	1,187,878		GA	22,309		IL	90,617		TX	80%	OK	44%
MIN	+3,837		NV	+46		MA	+12		NC	1,166,441		MI	21,405		KY	90,177		MD	80%	ID	43%
LA	+3,814		AR	+45		ME	+10		NJ	1,077,787		CH	20,729		MI	76,877		MO	80%	SC	40%
+95,231			+1,135			+301			20,580,881			362,515			1,569,123						
All states	+156,779		+1,641			-1241			All states	38,031,817		630,816			2,776,999			All states	70%	67%	
Top ten	61%		69%			-24%			Top ten	54%		57%			57%			Median	73%	25%	

Some states not reporting

Five most improved US states

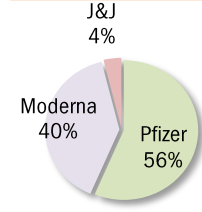
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TN	-15,096	SC	-91	FL	-530	MP	+40 bp
NC	-12,301	TN	-31	TX	-390	MS	+40 bp
GA	-11,886	IL	-29	NY	-214	AK	+20 bp
SC	-10,122	NC	-29	CA	-182	AL	+20 bp
LA	-7,075	KY	-24	LA	-167	IA	+20 bp



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	374,115,684		+0.654 million		US	51.2%	60.4%	
	One dose	% Pop	Immune	% pop	New immune today	UK	61.8%	70.3%
Total population	206,944,998	62%	175,764,160	53%	+0.279 million	France	56.1%	70.3%
Age 12 to 17	12,060,953	51%	8,978,759	38%	+0.057 million	Spain	67.7%	76.6%
Age 18 to 64	142,206,889	70%	119,981,041	59%	+0.196 million	Germany	59.0%	63.9%
Age 65 and over	51,672,371	94%	45,981,519	84%	+0.026 million	Italy	58.8%	69.1%
						Australia	24.8%	43.6%
						Israel	63.0%	68.4%
						Canada	66.1%	73.3%
						Japan	42.8%	53.9%
						Africa	2.5%	4.6%
						India	9.6%	33.1%
						Brazil	26.2%	60.4%
						China	54.0%	43.2%



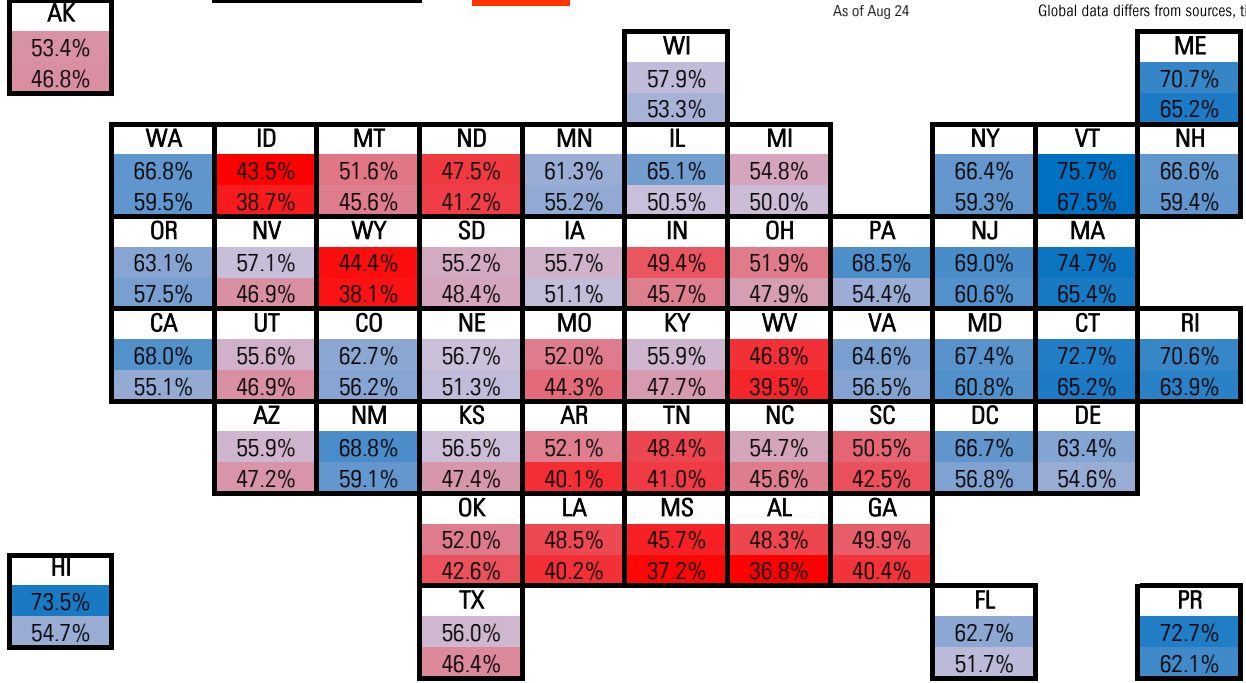
State
At least partial immunity as % population
Full immunity as % population



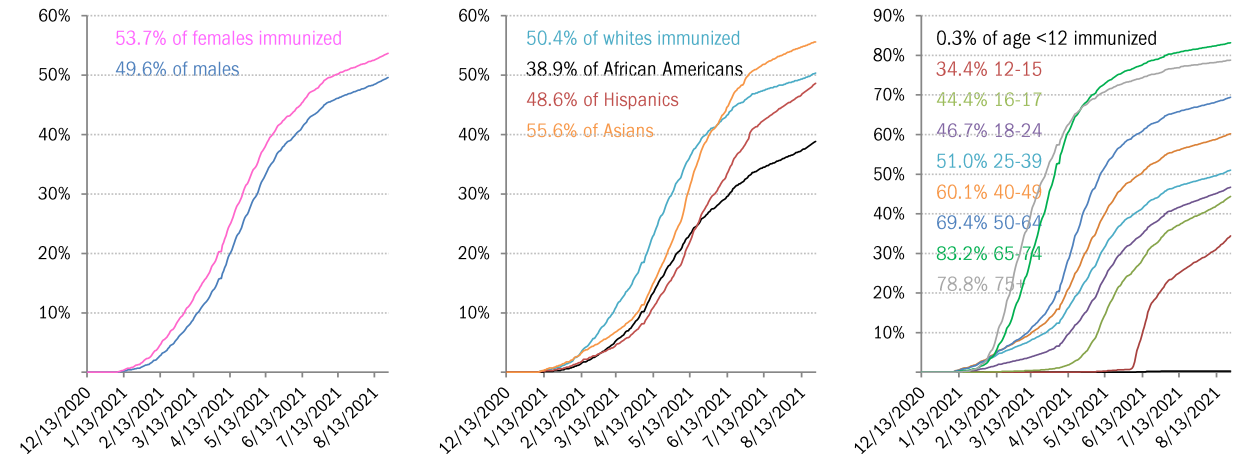
Every American >18 immune in **176 days** by Feb 15, 2022
 64.3% of population >18 immunized
 13.0% previously tested positive
77.2% vs 60% adult herd immunity

As of Aug 24

Global data differs from sources, timing



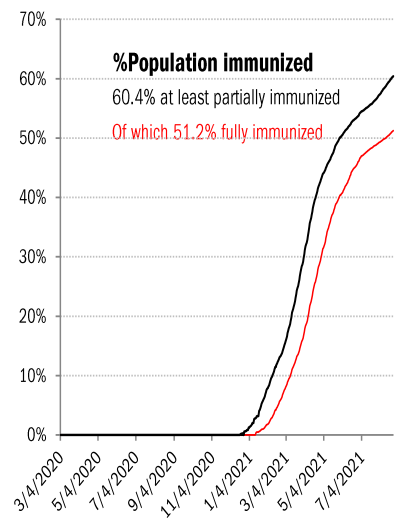
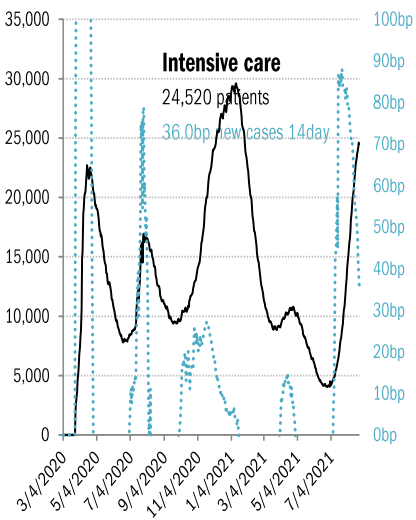
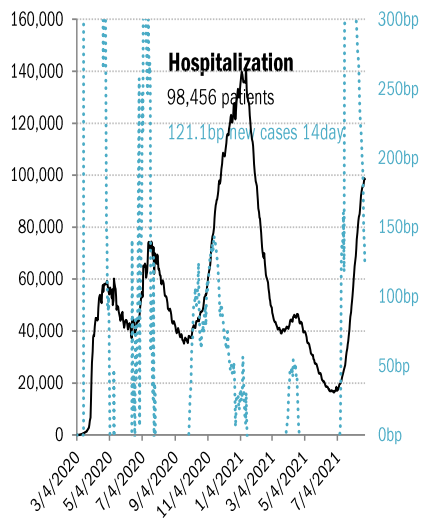
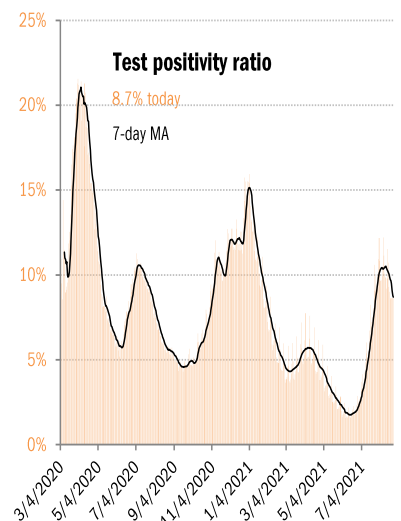
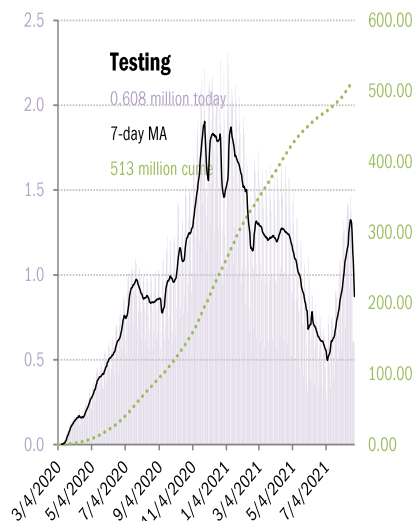
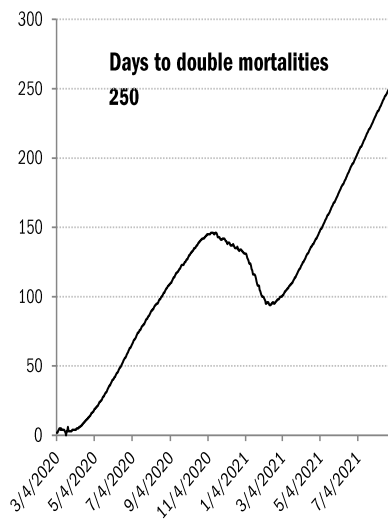
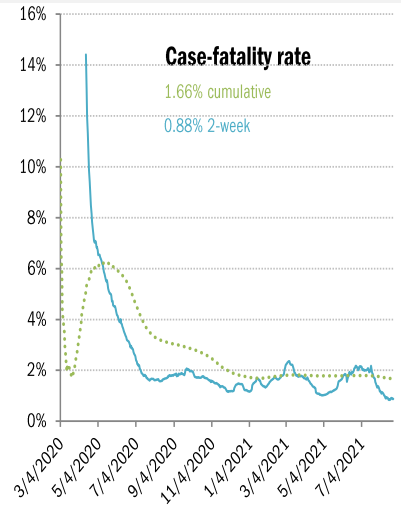
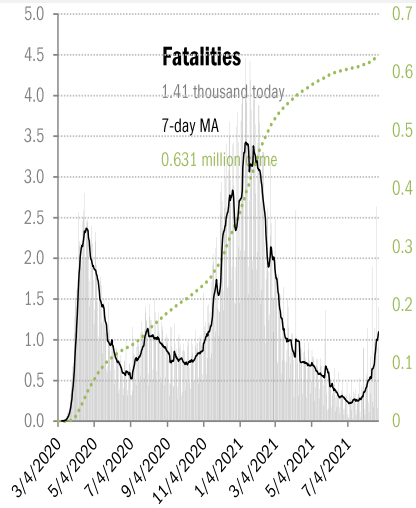
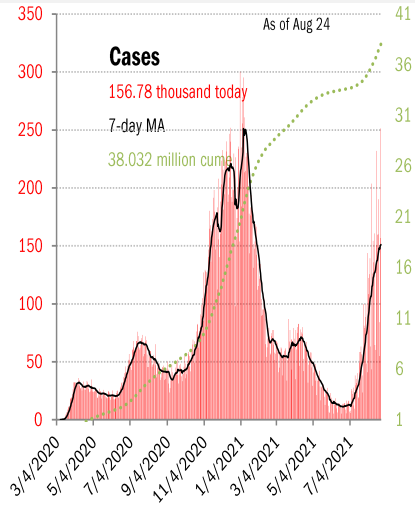
The demographics of US vaccination



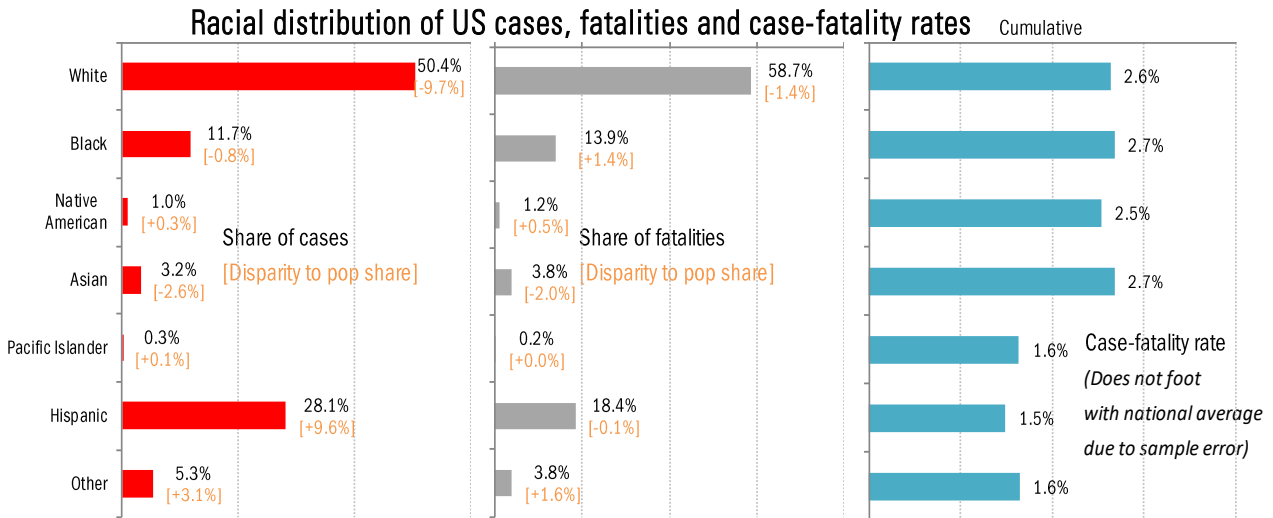
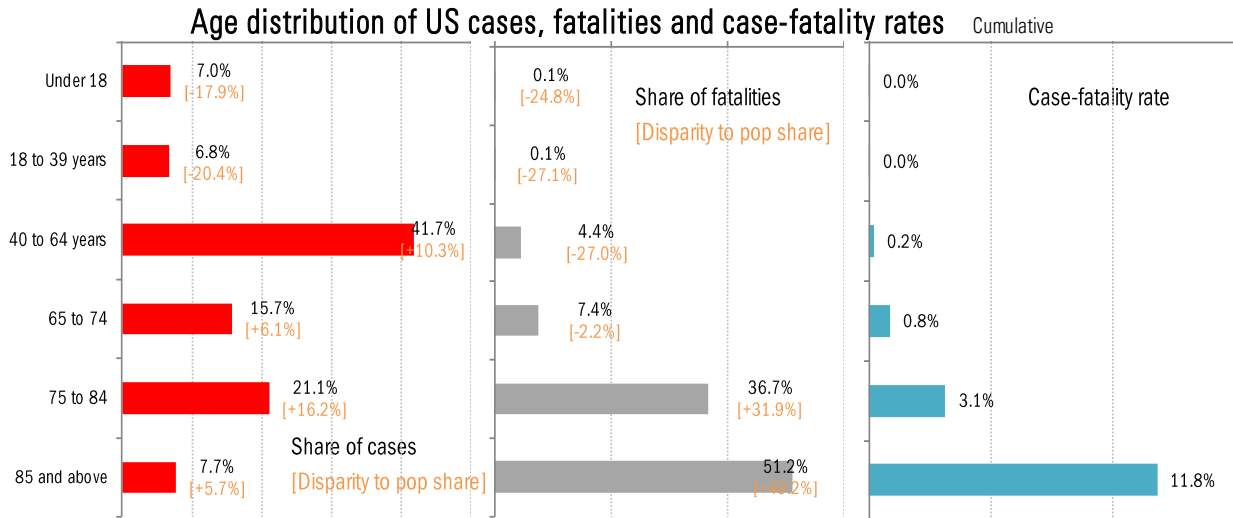
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

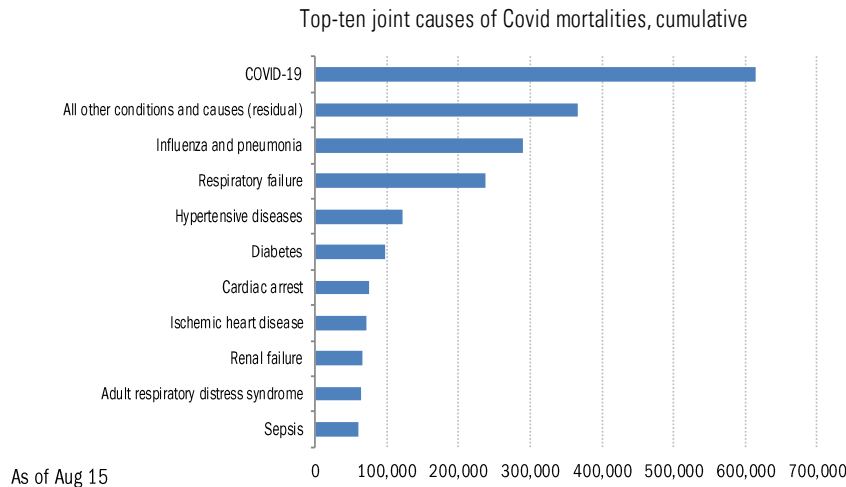
National and state-by-state data do not line up because of different sources



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.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[Gov. Beshear rescinds school mask mandate after Kentucky Supreme Court ruling](#)

WLKY

August 23, 2021

[Cuomo loses Emmy following scandal, resignation](#)

Nick Niedswiadec

Politico

August 24, 2021

[The war on Covid should be over - We do not need lockdowns](#)

Jay Bhattacharya

Express

August 22, 2021

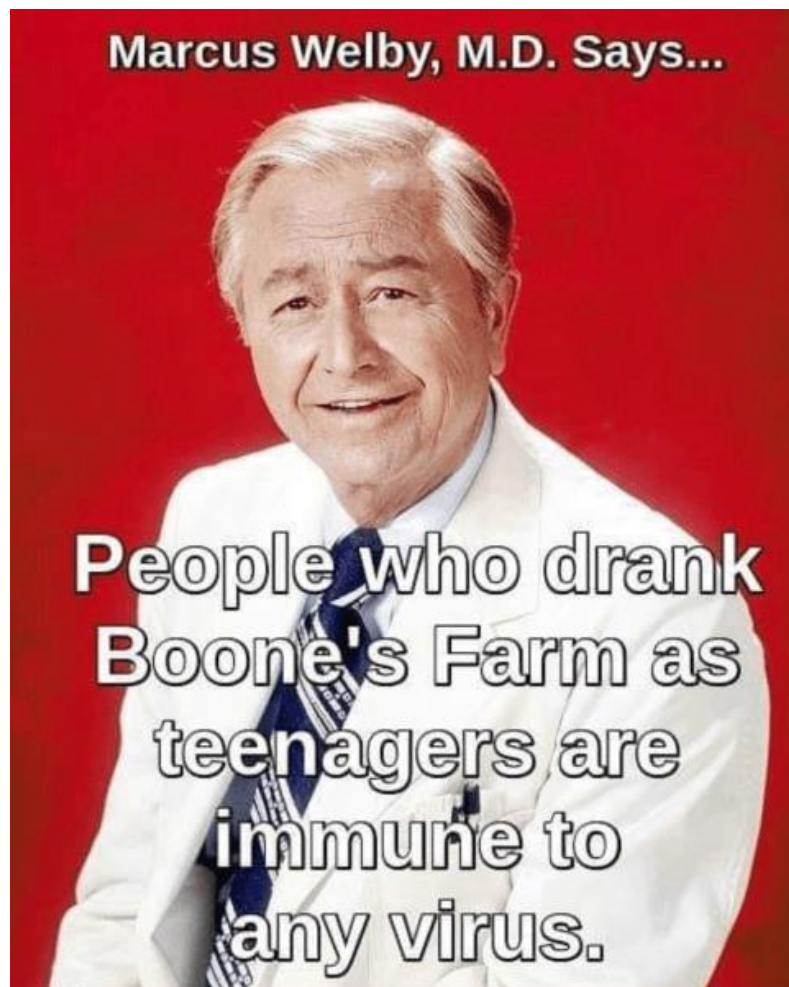
[Study finds N95 masks more effective than surgical, cloth coverings against COVID-19](#)

Sam Raskin

New York Post

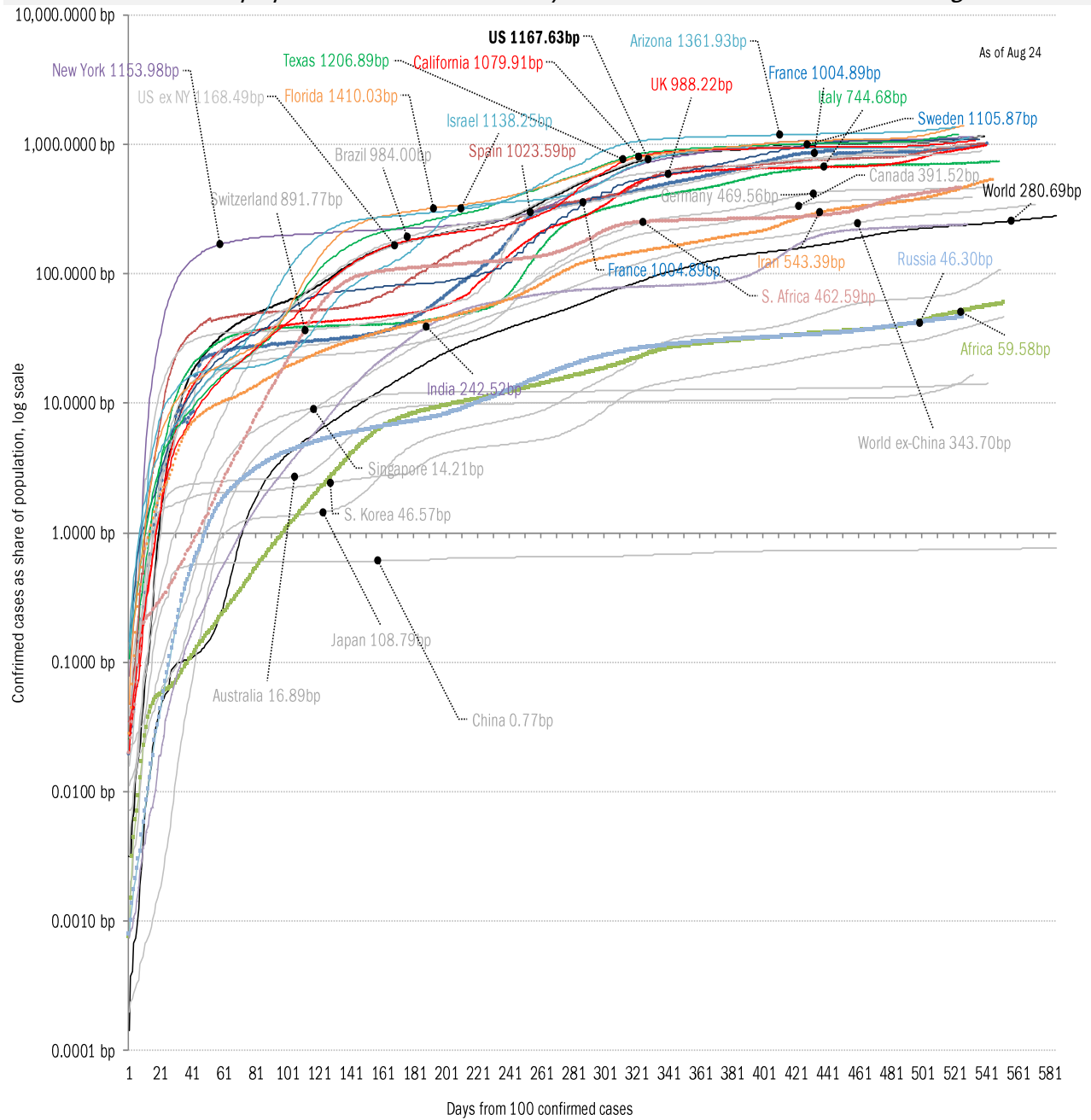
August 22, 2021

Meme of the day



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

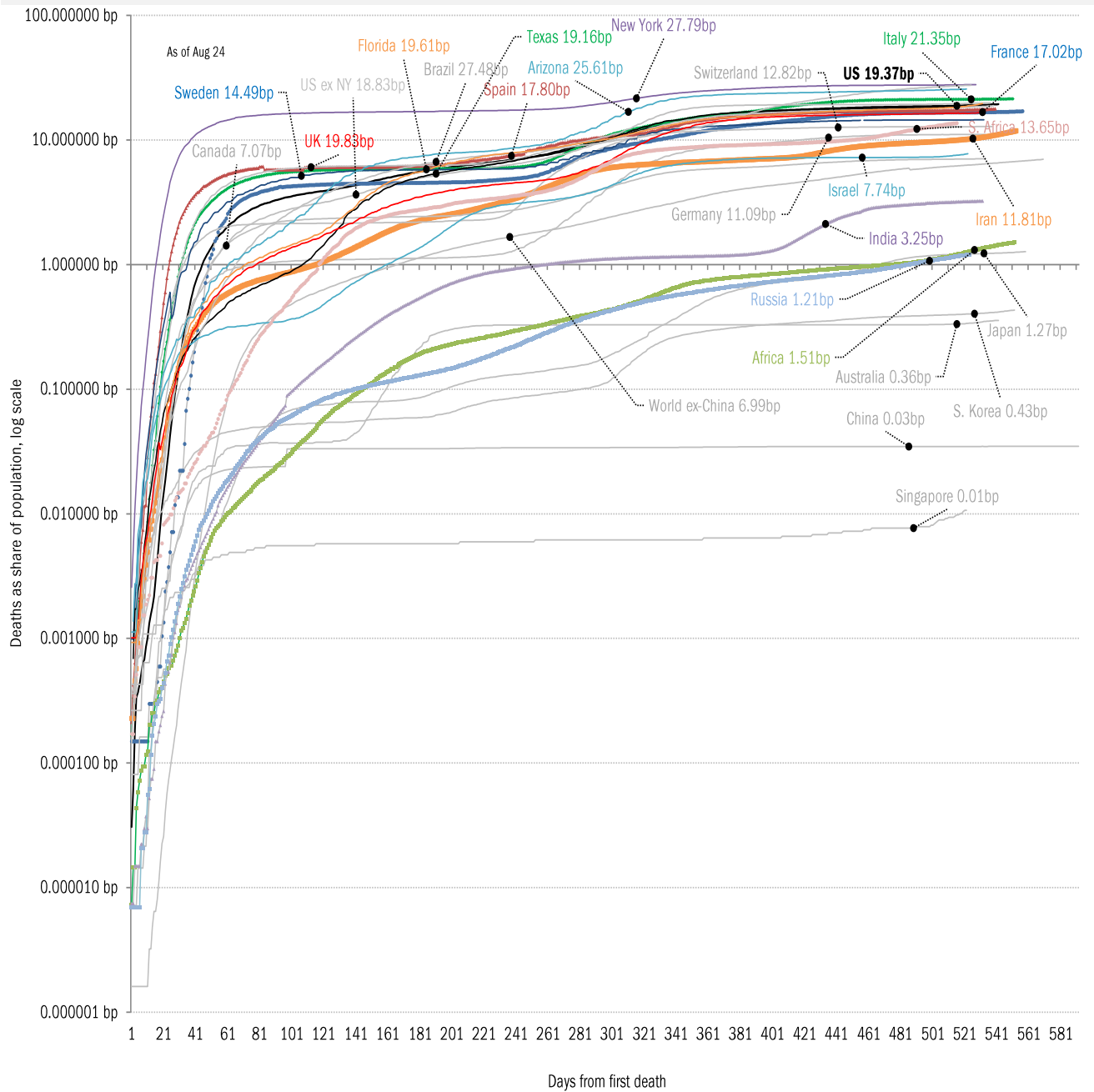
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

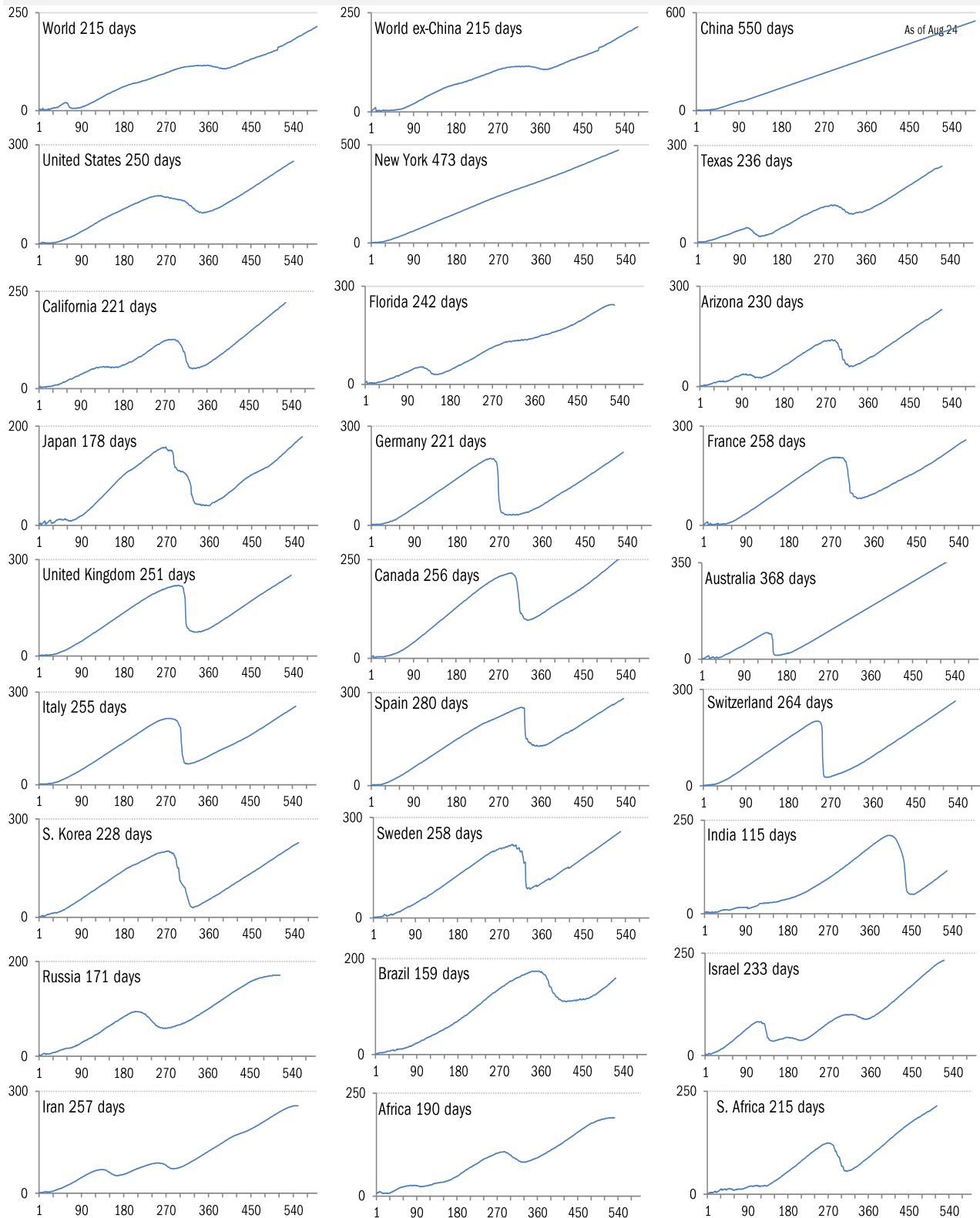


Source: [Johns Hopkins](#), TrendMacro calculations

"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

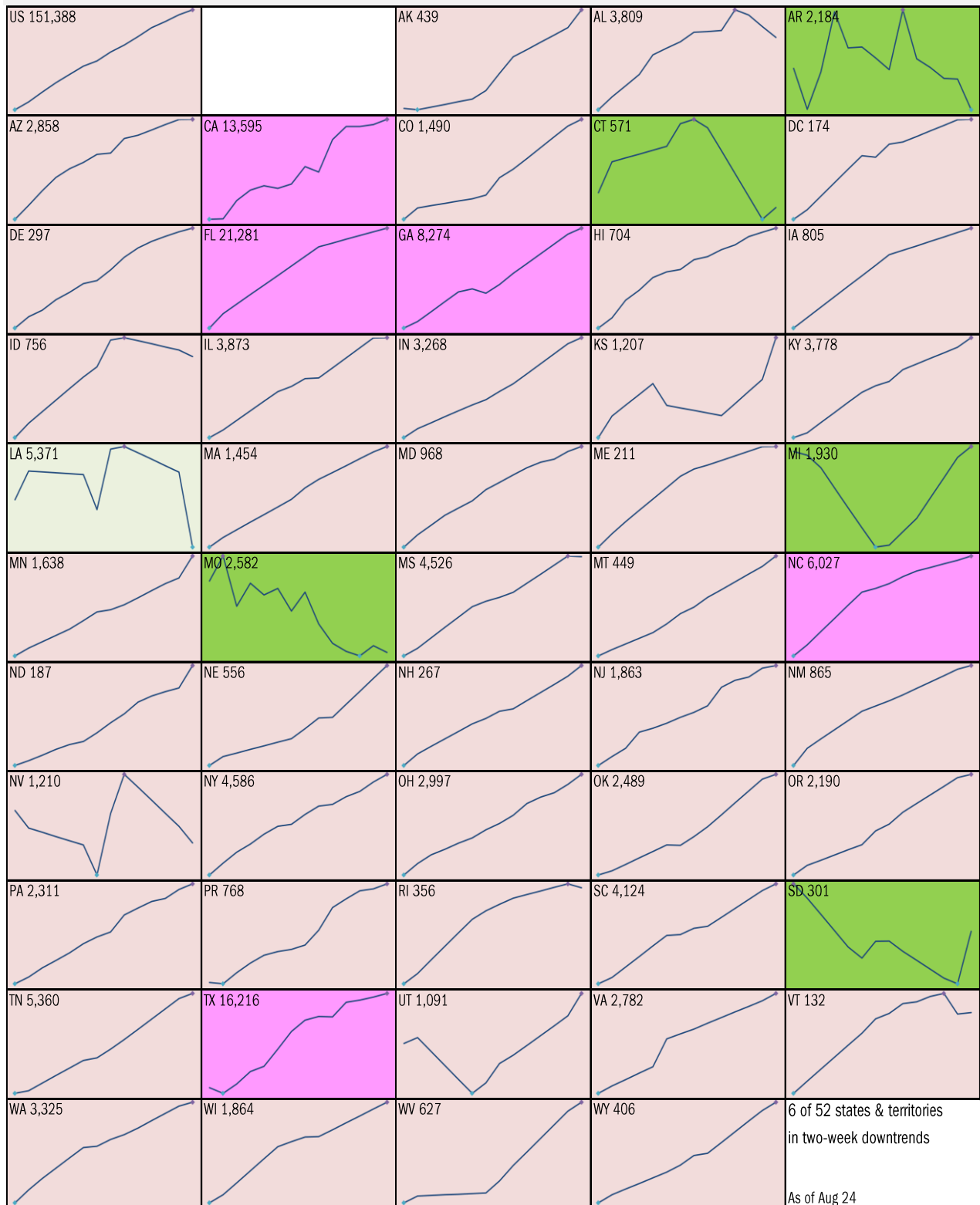


Source: [Johns Hopkins](#), TrendMacro calculations

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

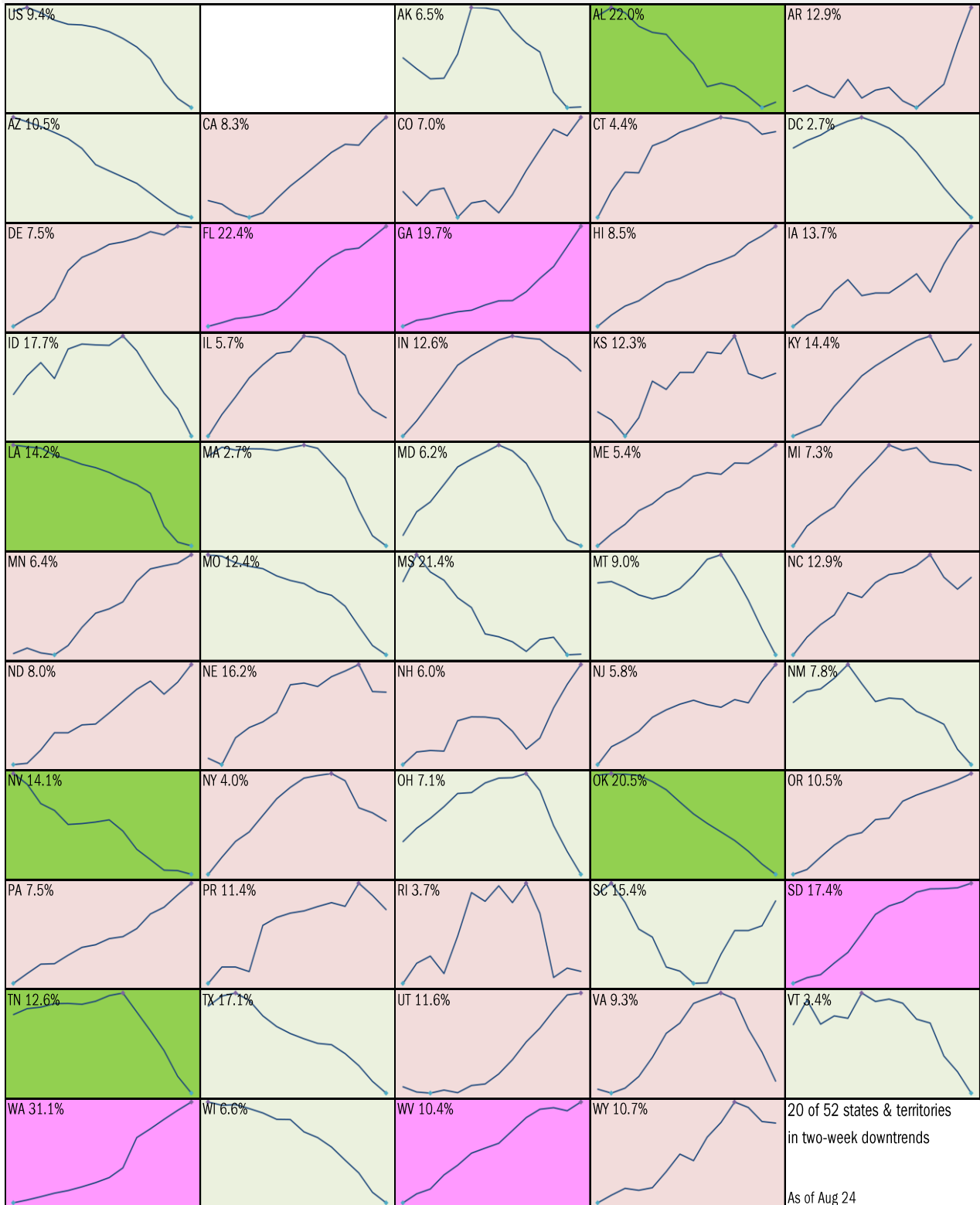


Source: [Johns Hopkins](#), TrendMacro calculations

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

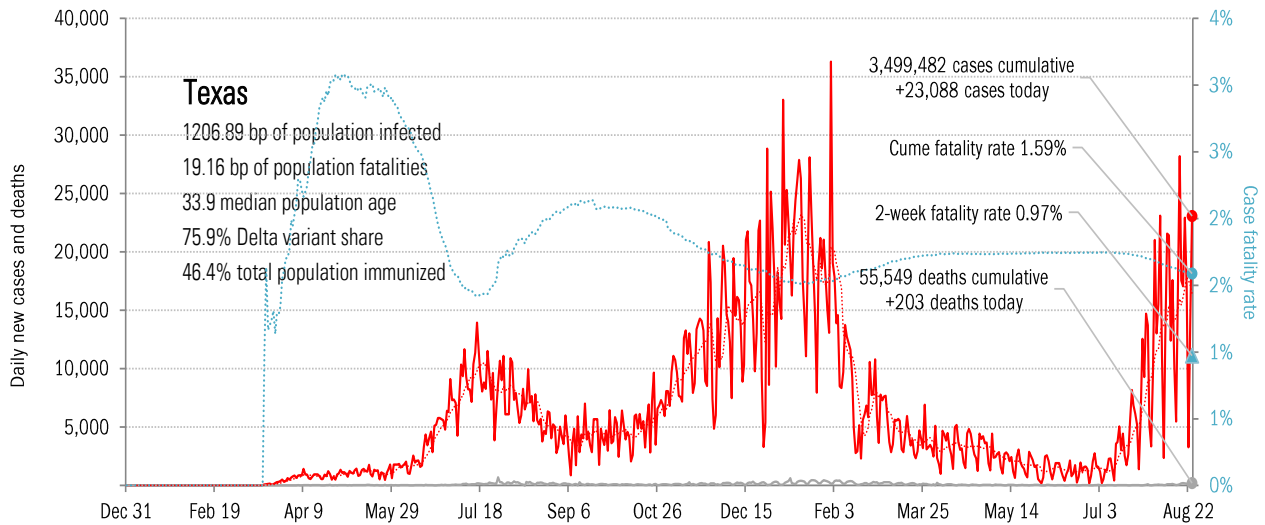
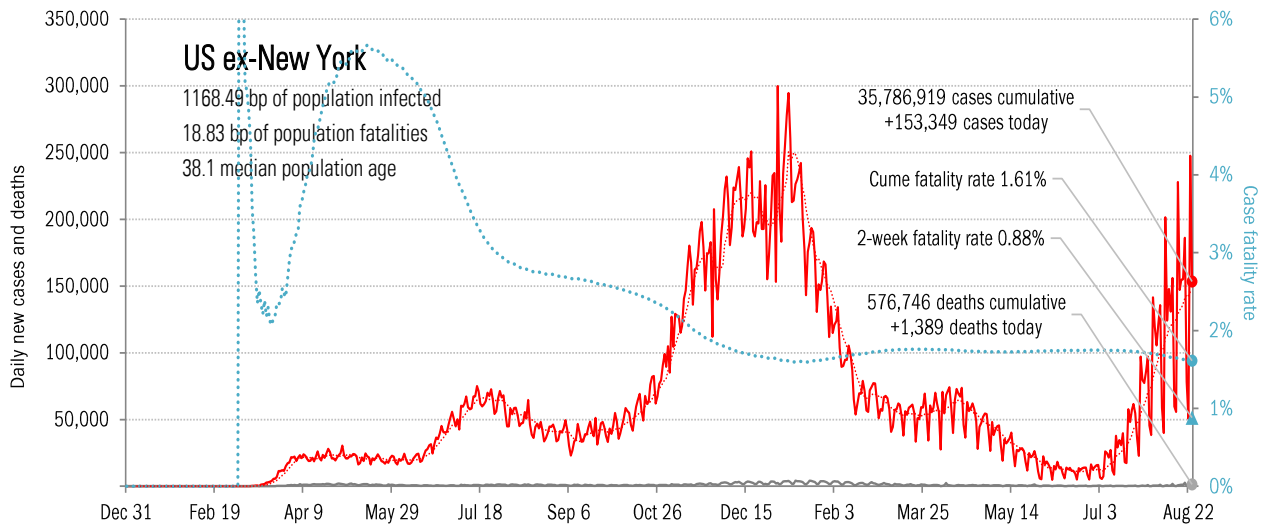
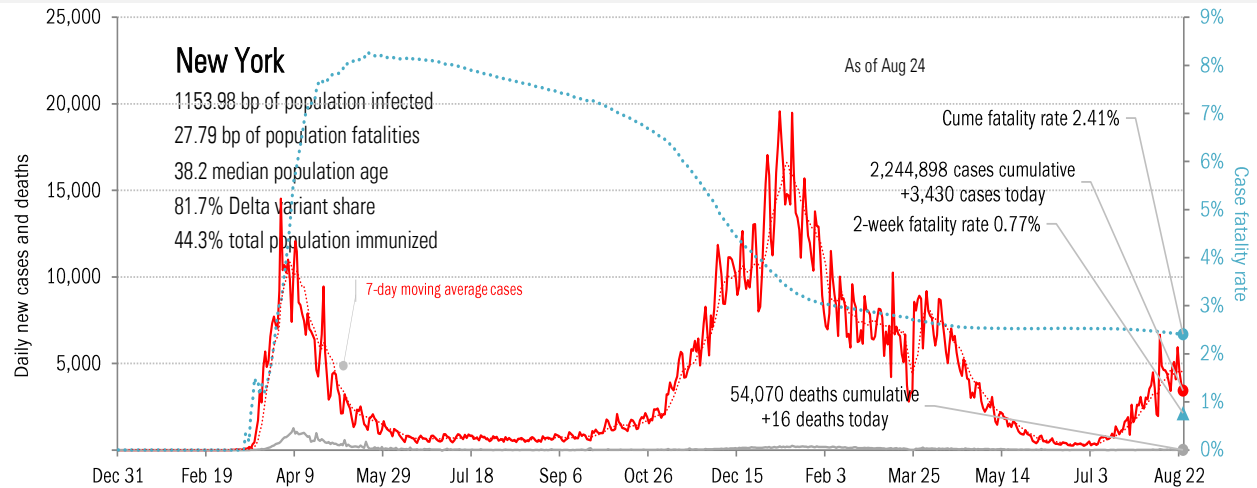
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



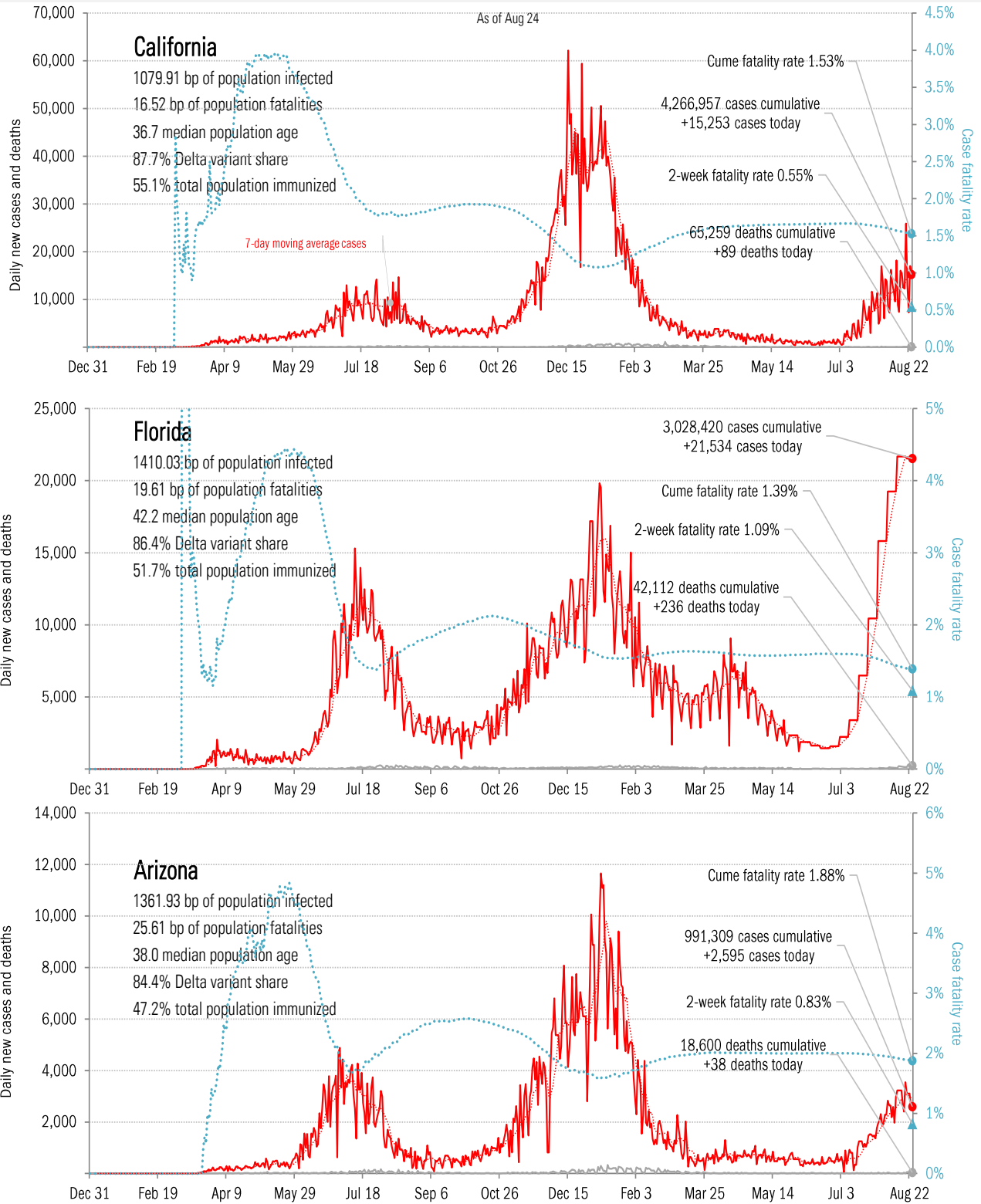
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



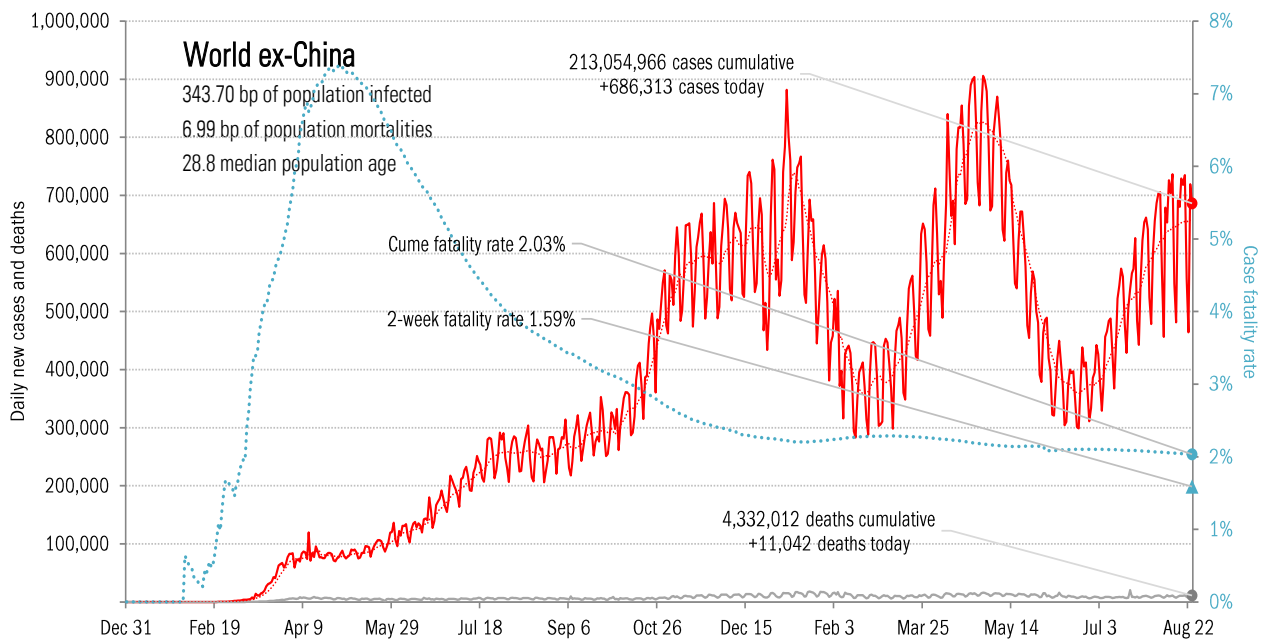
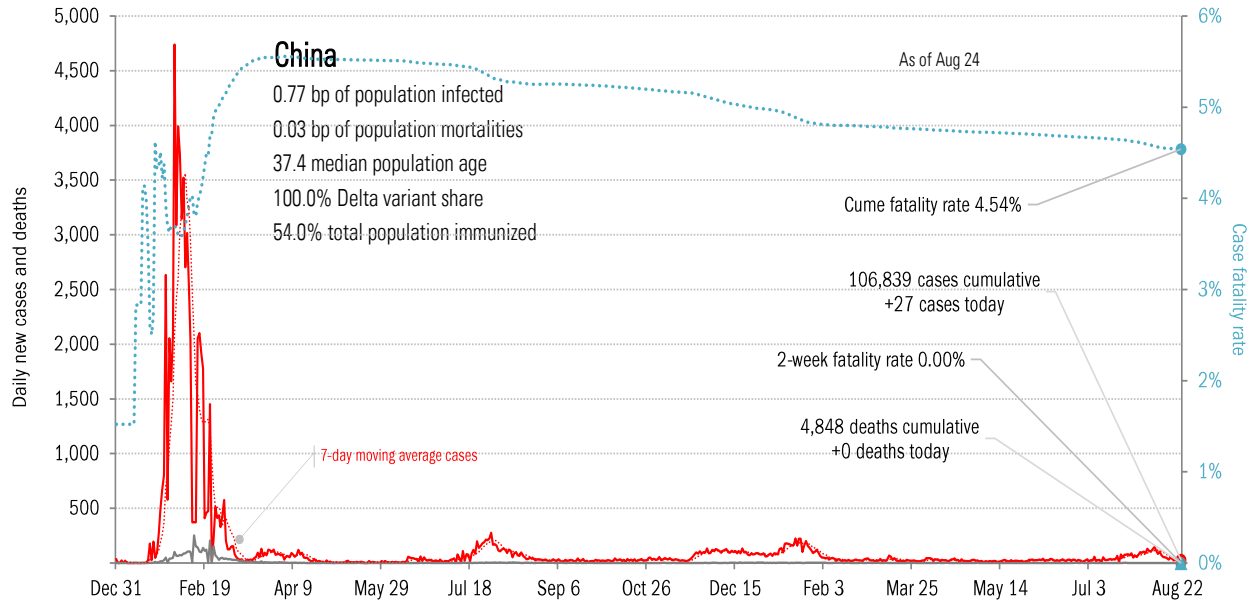
Source: [Johns Hopkins](#), TrendMacro calculations

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



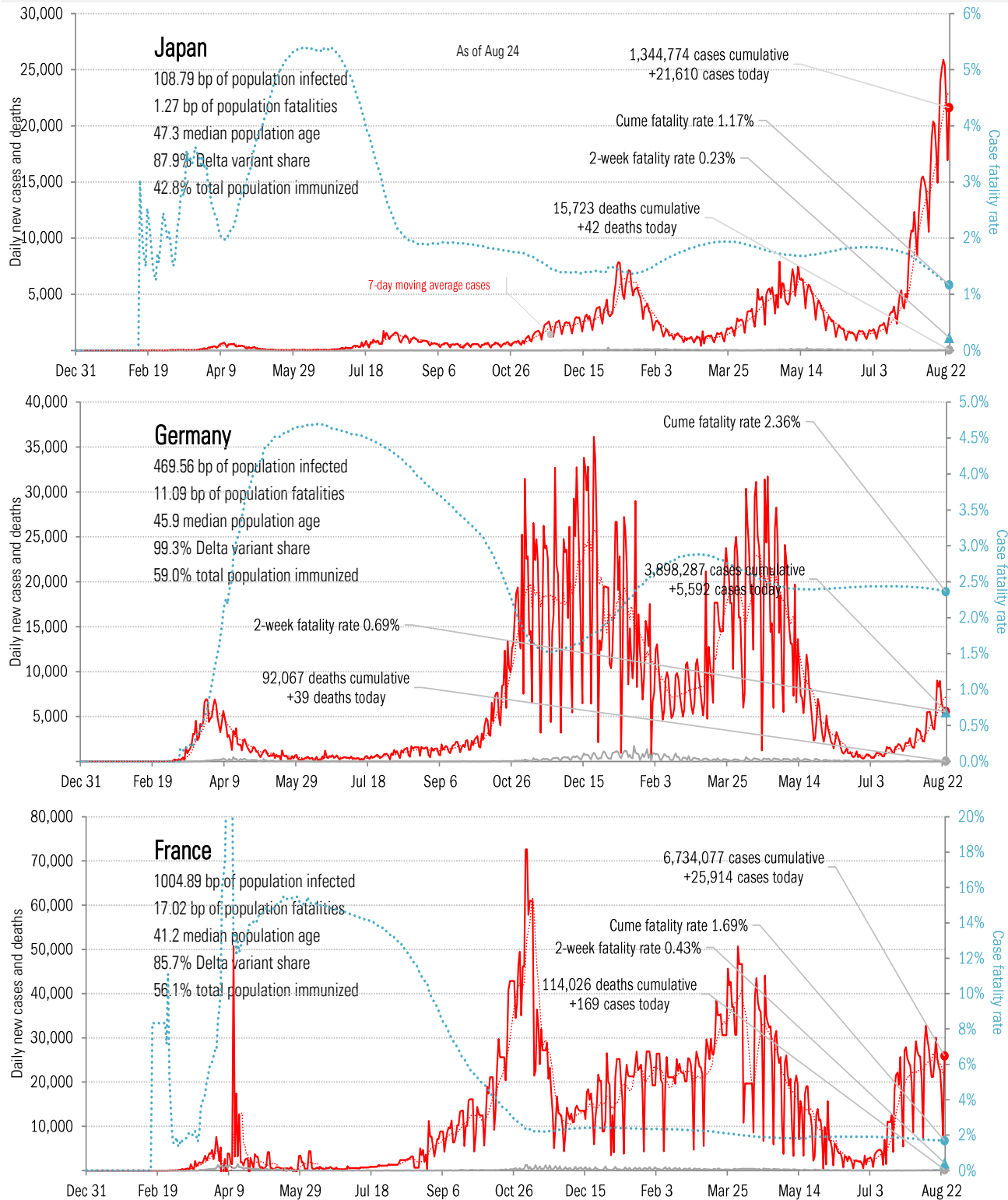
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



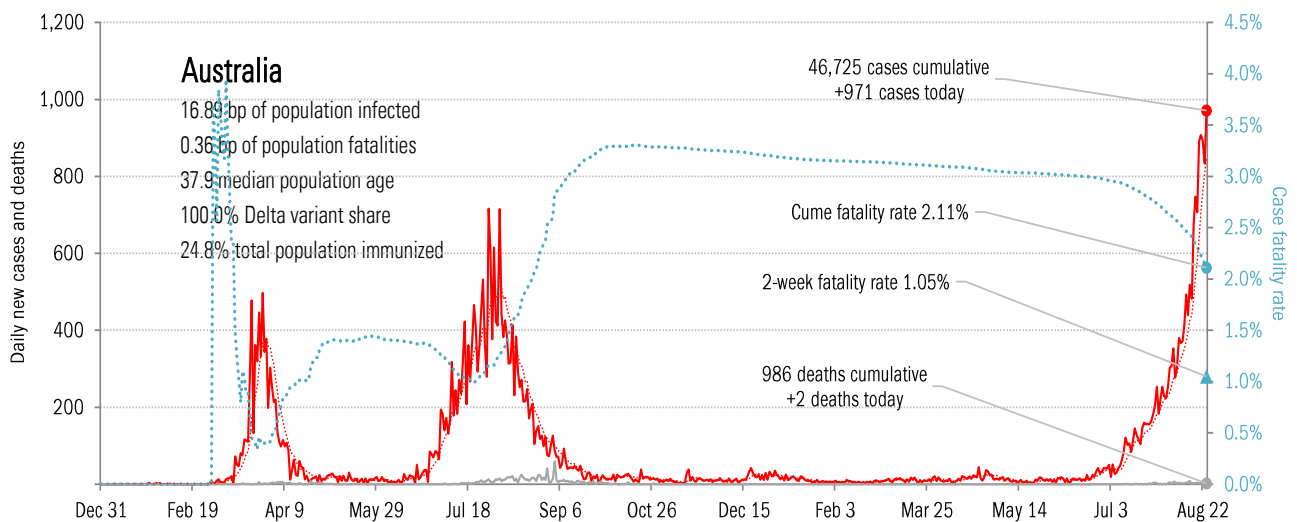
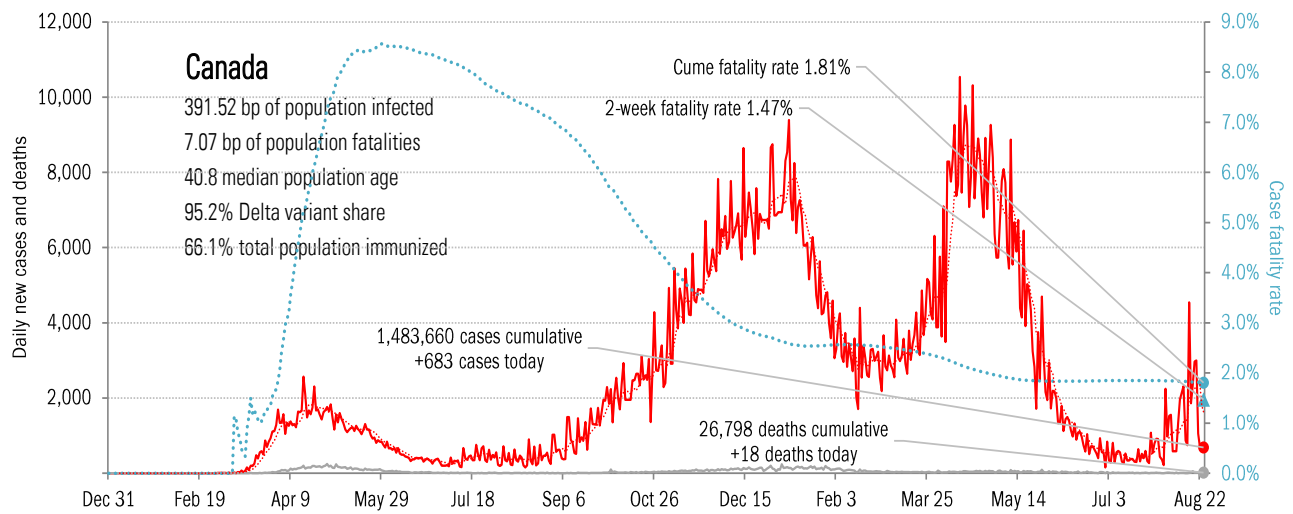
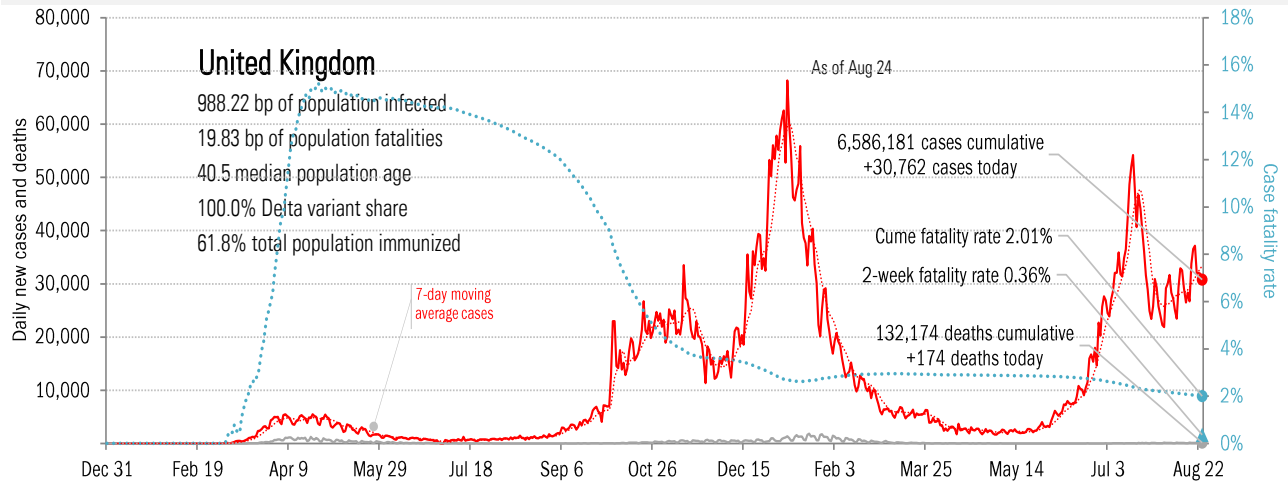
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



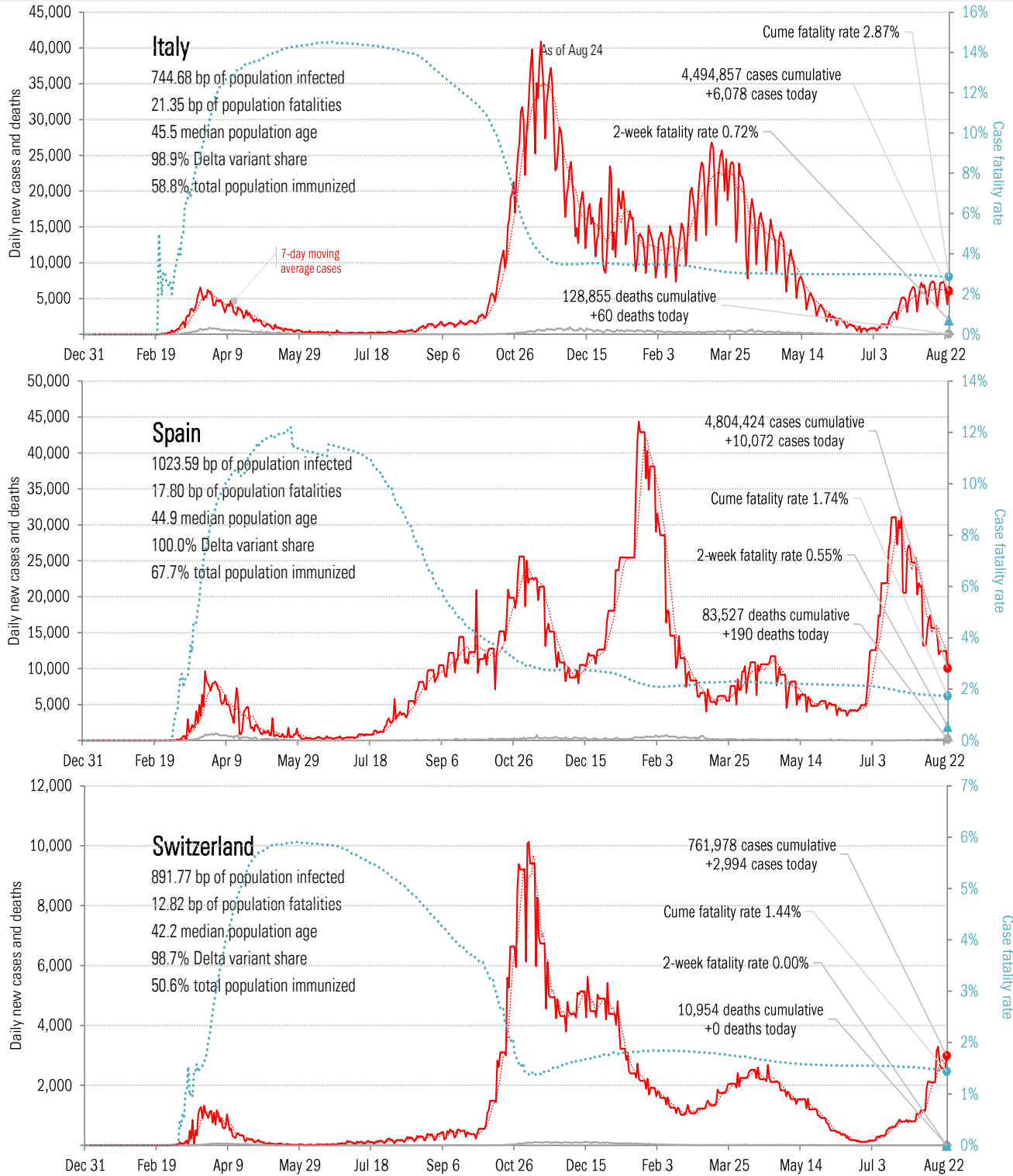
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



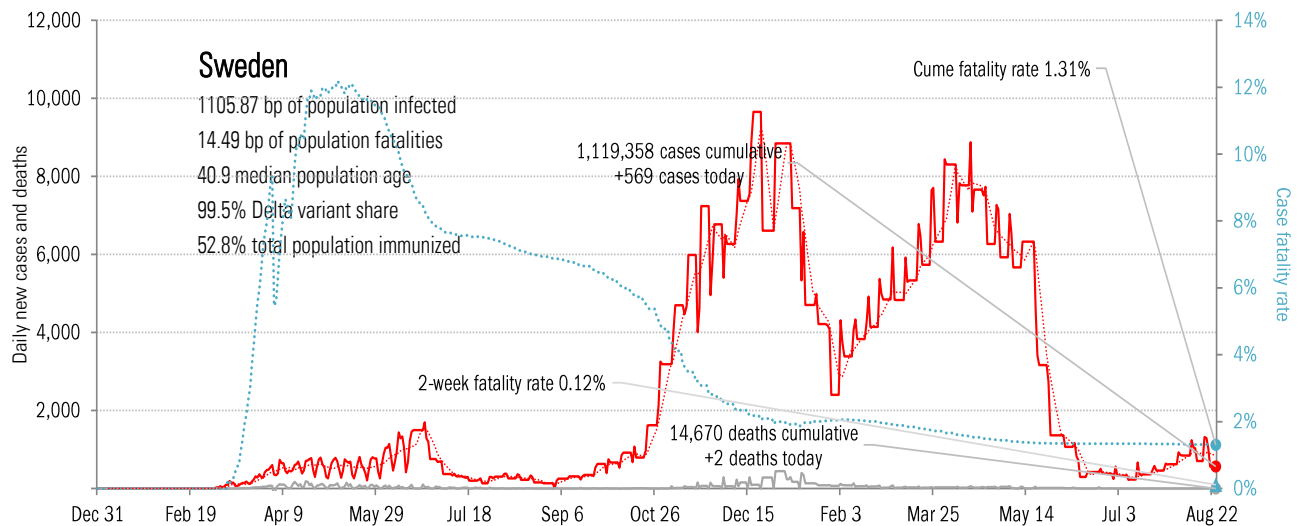
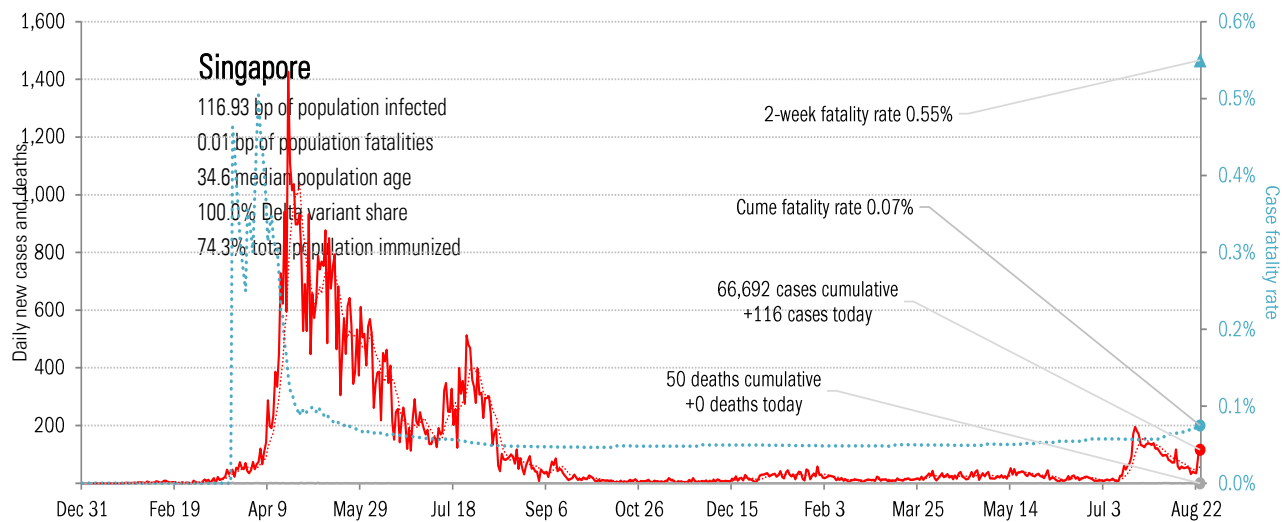
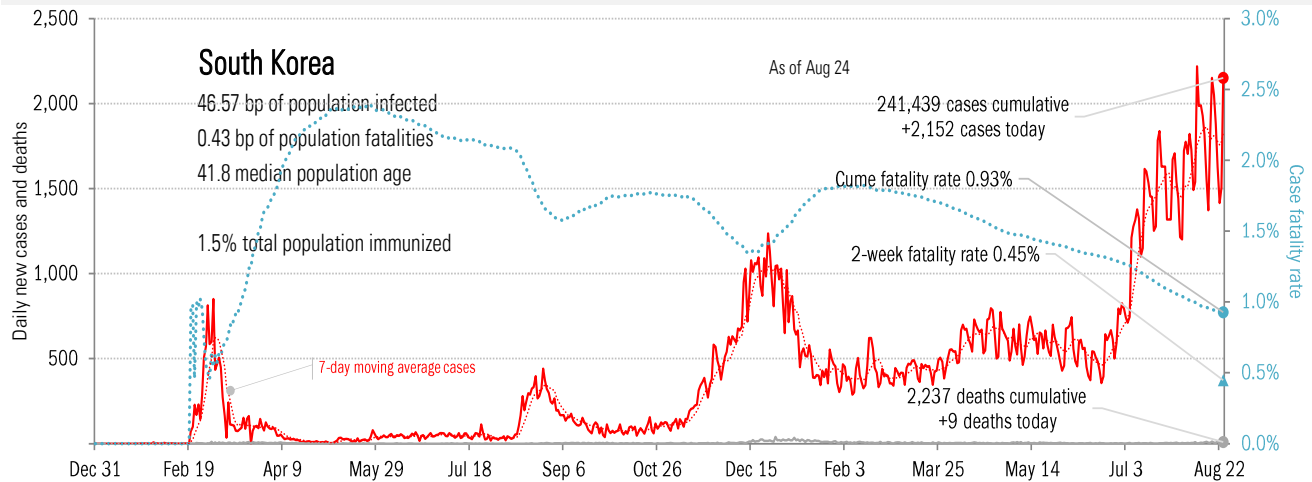
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



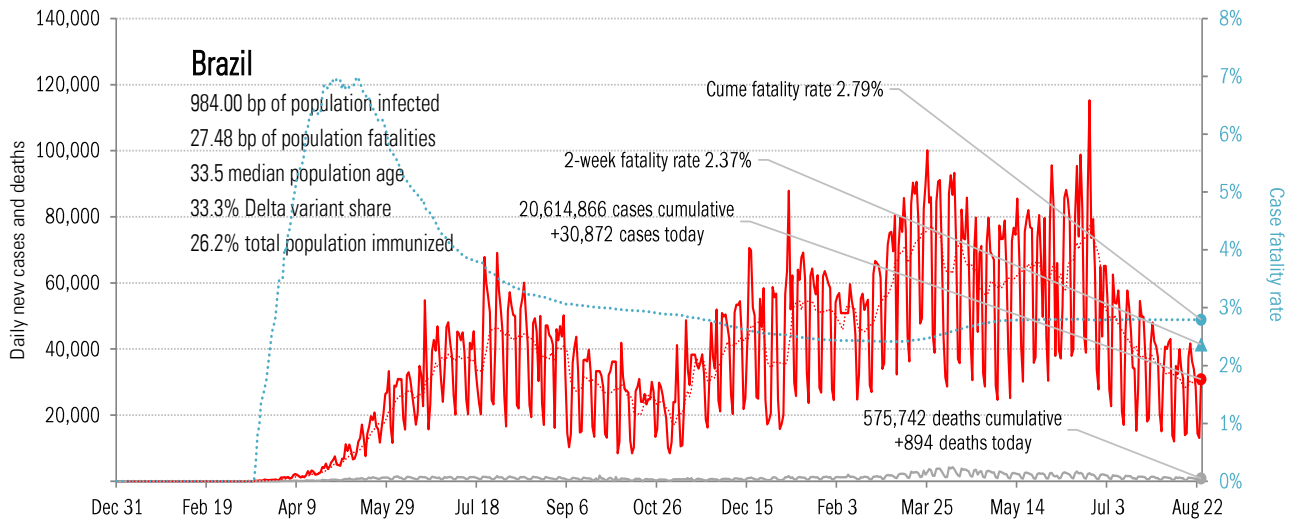
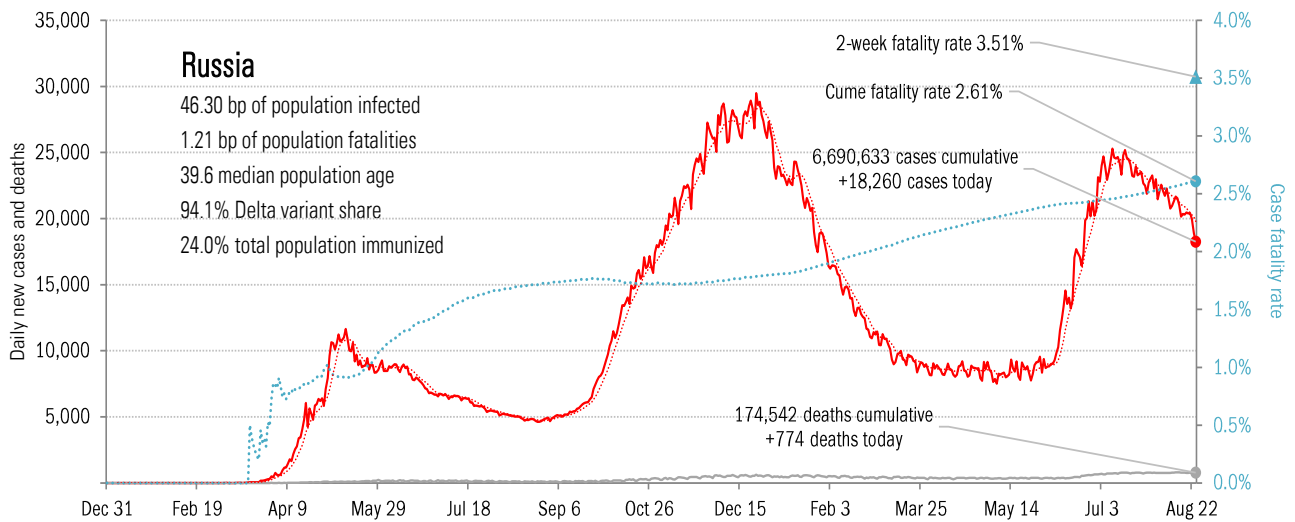
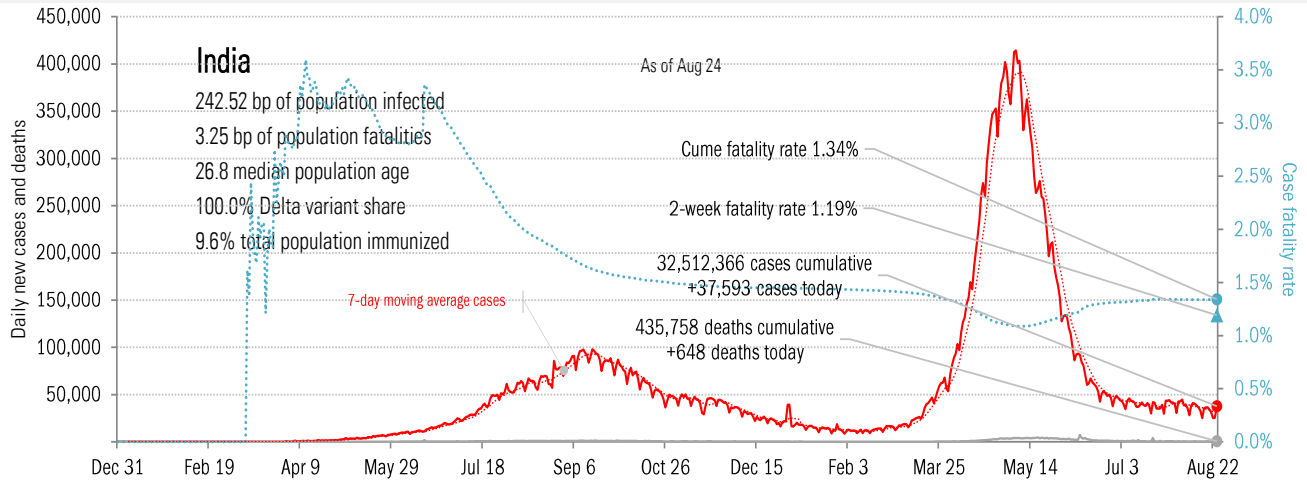
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



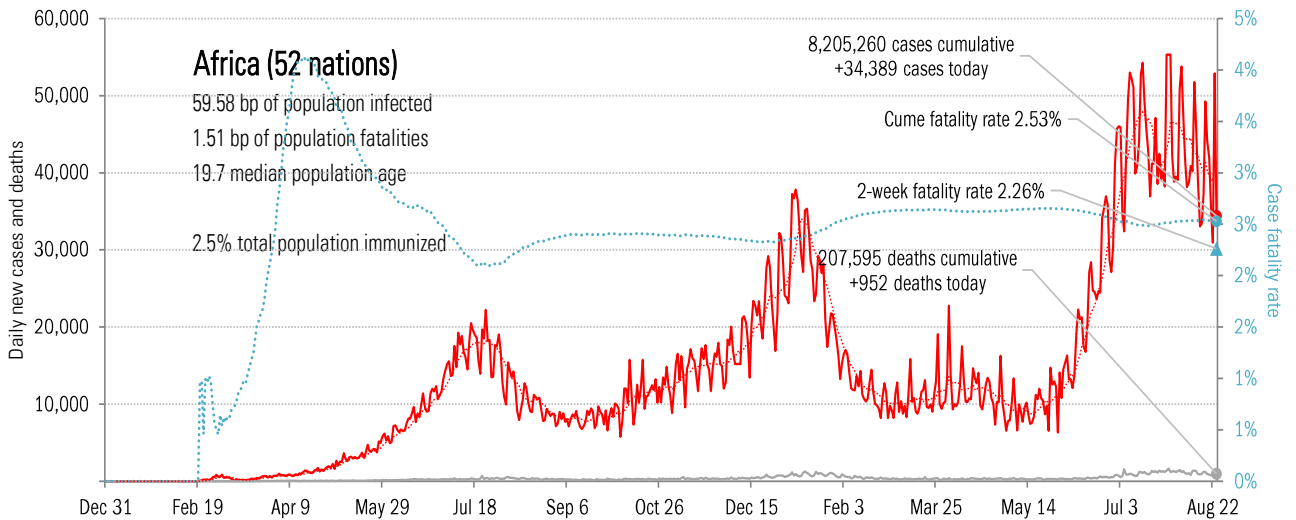
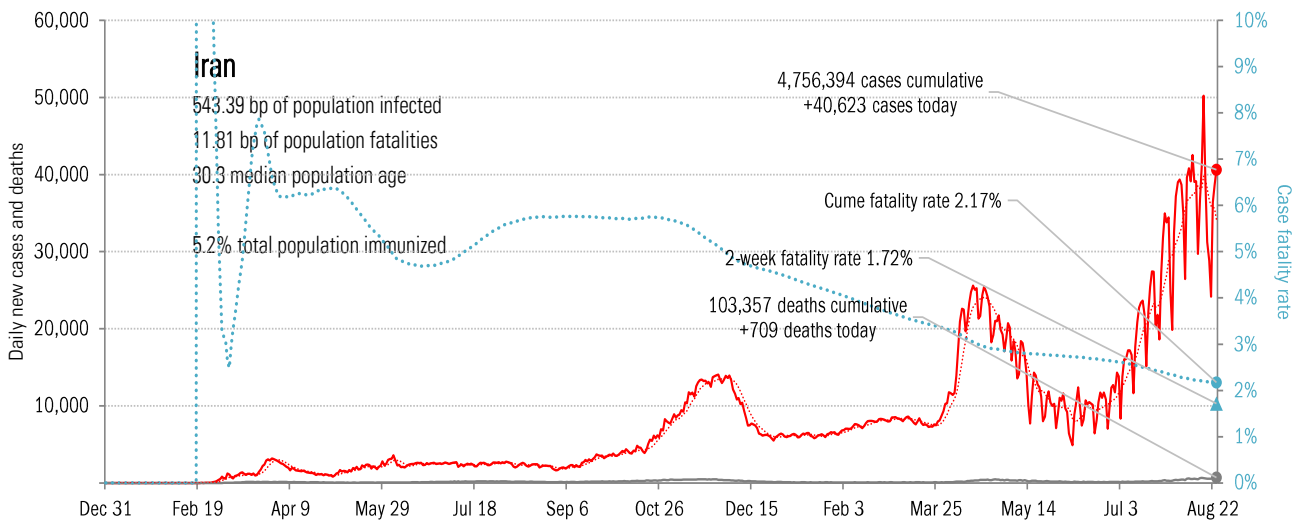
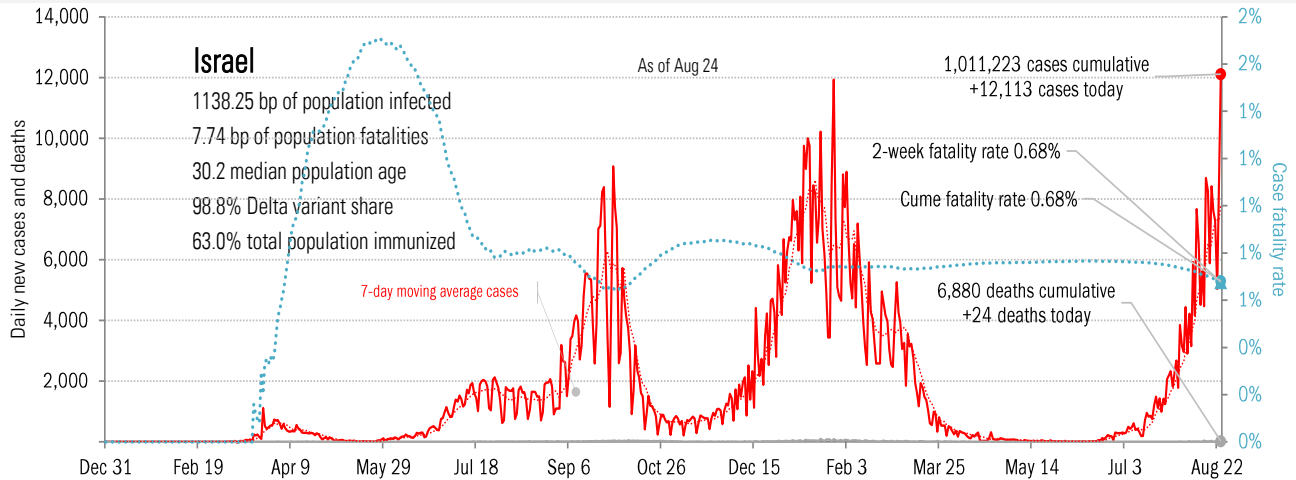
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



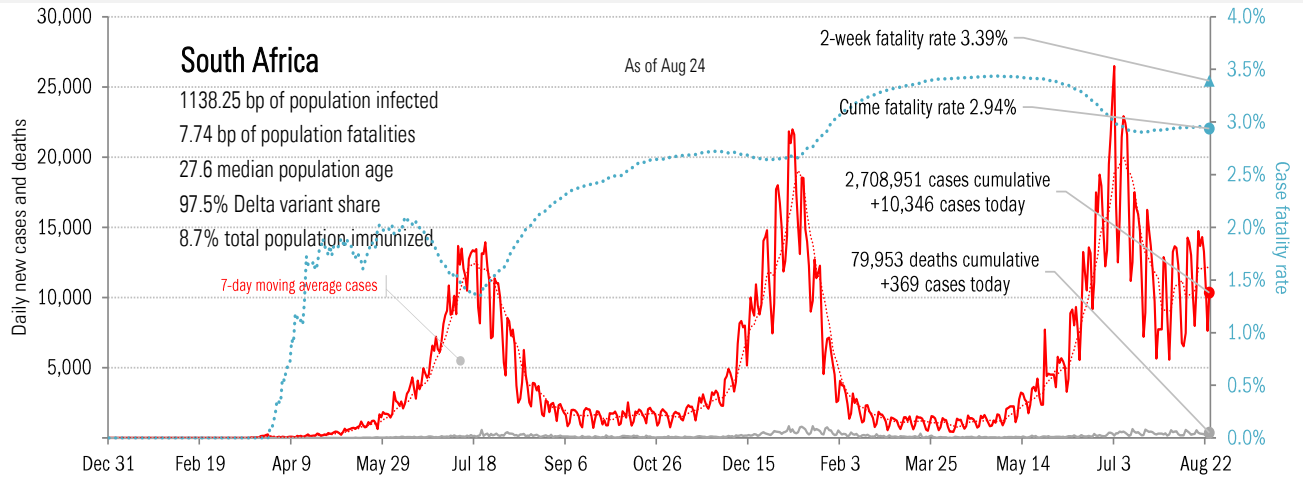
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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