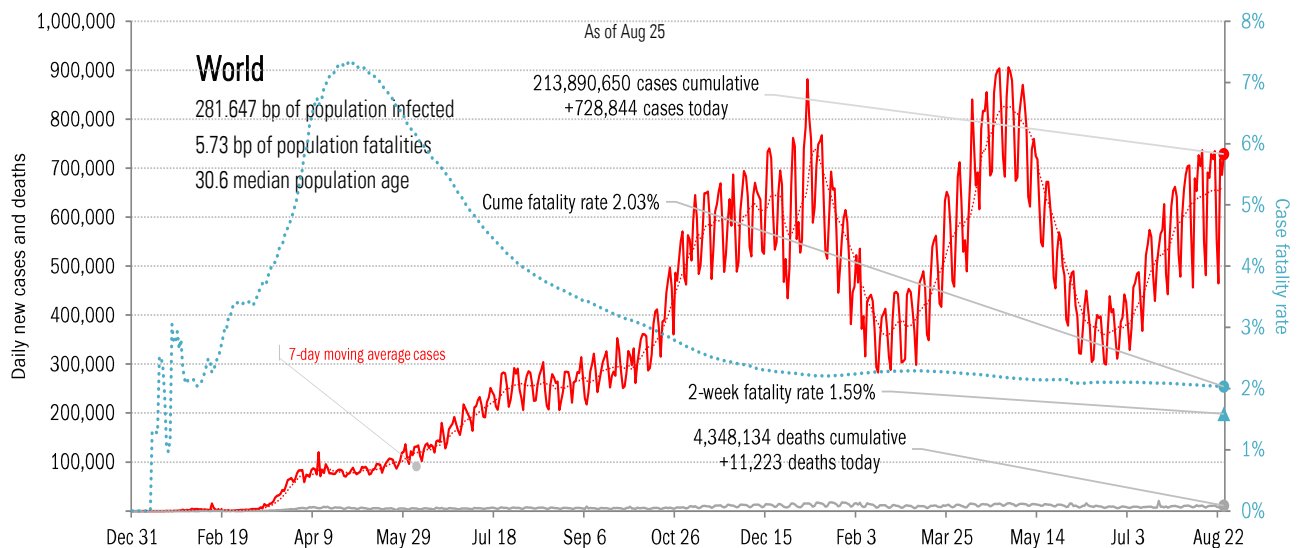
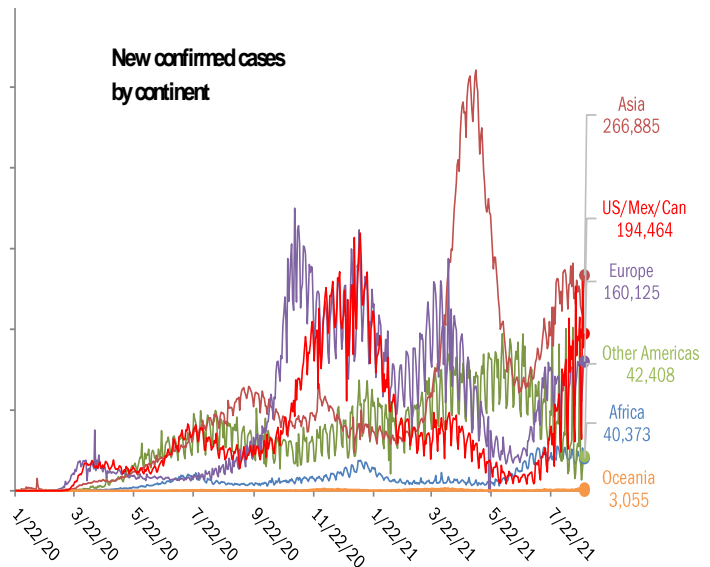


Data Insights: Covid-2019 Monitor

Thursday, August 26, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+169,677	United States	+1,456
India	+46,164	Indonesia	+1,041
Iran	+39,983	Mexico	+986
United Kingdom	+35,618	Brazil	+903
Brazil	+30,671	Russia	+786
Japan	+24,317	Iran	+665
France	+23,706	India	+607
Malaysia	+22,642	South Africa	+516
Mexico	+21,250	Vietnam	+335
Turkey	+19,970	Thailand	+297
+433,998		+7,592	
World	+728,844	World	+11,223
Top ten	60%	Top ten	68%



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

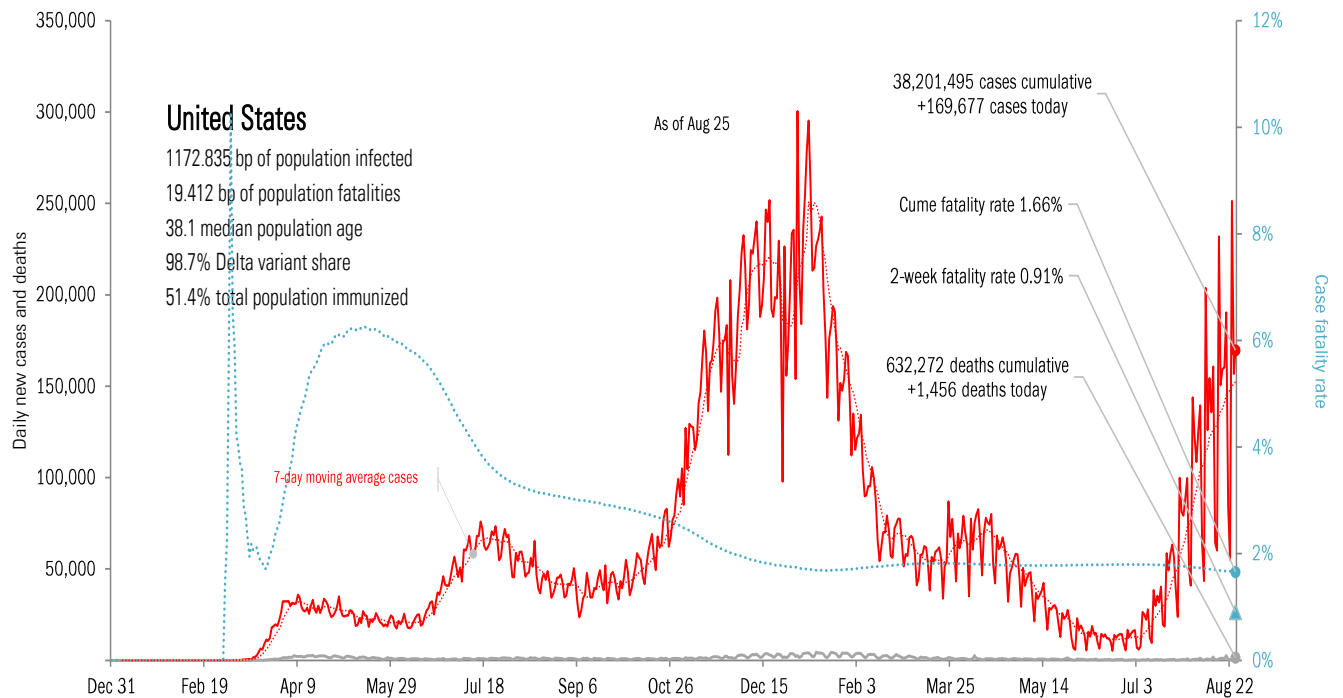
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+21,534		TX	+249		GA	+190		CA	4,280,215		CA	65,399		TX	310,432		GA	91%	MS	62%
TX	+21,336		FL	+214		KY	+123		TX	3,520,818		TX	55,798		CA	273,145		RI	89%	AL	57%
CA	+13,258		CA	+140		CH	+50		FL	3,049,955		NY	54,100		FL	266,294		FL	86%	GA	56%
GA	+10,677		CK	+136		WA	+48		NY	2,248,791		FL	42,326		NY	145,033		MA	85%	FL	54%
IA	+7,112		LA	+110		IN	+46		IL	1,499,022		PA	28,131		GA	130,939		SC	84%	TX	50%
LA	+6,619		GA	+91		AL	+43		GA	1,348,019		NJ	26,796		PA	96,834		PA	84%	LA	50%
NC	+6,130		KY	+65		PA	+28		PA	1,281,199		IL	26,249		CH	95,619		MD	83%	AR	48%
MI	+5,195		NC	+60		CT	+27		CH	1,192,478		GA	22,400		IL	90,953		MO	82%	OK	45%
IN	+4,958		IA	+42		IL	+26		NC	1,172,571		MI	21,446		KY	90,838		NV	81%	ID	44%
KY	+4,844		MI	+41		CR	+24		NJ	1,079,900		CH	20,729		MI	77,048		TX	80%	MO	40%
+101,663			+1,148			+605			20,672,968			363,374			1,577,135						
All states	+169,677		+1,670			+99			All states	38,201,495		632,272			2,791,021			All states	70%		67%
Top ten	60%		69%			61%			Top ten	54%		57%			57%			Median	75%		25%

Some states not reporting

Five most improved US states

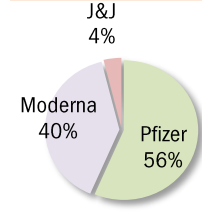
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TN	-5,153	MO	-138	CA	-270	GA	+50 bp
AZ	-2,595	MS	-89	FL	-264	AR	+30 bp
MN	-2,437	CH	-40	TX	-184	SD	+30 bp
CA	-1,995	AZ	-38	NY	-69	UT	+30 bp
TX	-1,752	IN	-37	VA	-69	FL	+20 bp



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	375,069,051		+0.953 million		US	51.4%	60.6%	
	One dose	% Pop	Immune	% pop	New immune today	UK	62.0%	70.4%
Total population	207,410,371	62%	176,180,354	53%	+0.416 million	France	56.7%	70.6%
Age 12 to 17	12,128,786	51%	9,055,830	38%	+0.077 million	Spain	68.3%	76.9%
Age 18 to 64	142,551,760	70%	120,272,933	59%	+0.292 million	Germany	59.0%	63.9%
Age 65 and over	51,722,937	95%	46,027,341	84%	+0.046 million	Italy	59.1%	69.3%
						Australia	25.3%	44.3%
						Israel	63.0%	68.5%
						Canada	66.3%	73.4%
						Japan	42.8%	53.9%
						Africa	2.6%	4.7%
						India	9.8%	33.6%
						Brazil	26.6%	61.0%
						China	54.0%	43.2%



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



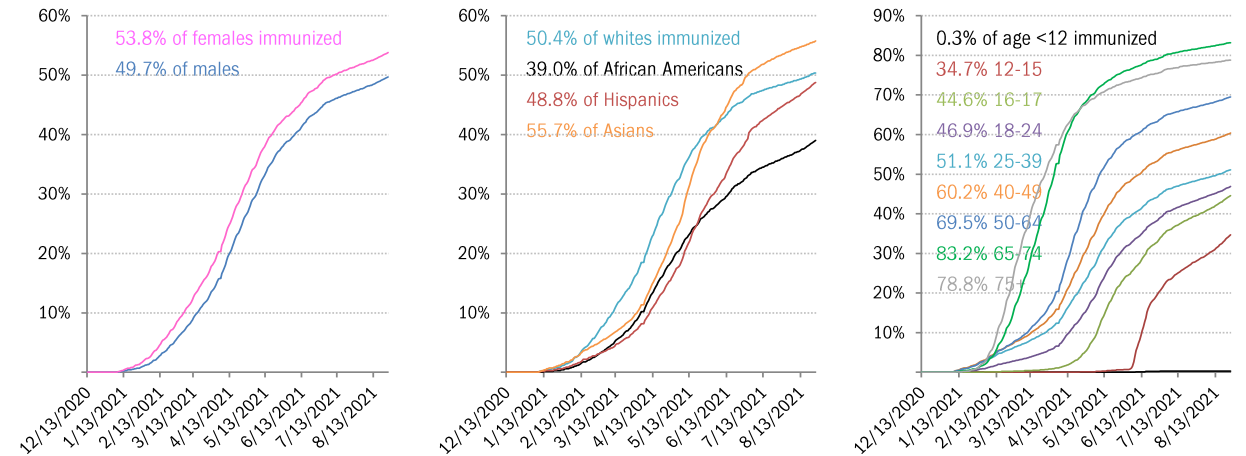
Every American >18 immune in **118 days** by Dec 21, 2021
 64.4% of population >18 immunized
 13.0% previously tested positive
77.4% vs 60% adult herd immunity

As of Aug 25

Global data differs from sources, timing

State	At least partial immunity as % population	Full immunity as % population
AK	53.6%	46.8%
WI	58.0%	53.4%
ME	70.8%	65.3%
WA	67.0%	59.6%
ID	43.6%	38.8%
MT	51.7%	45.6%
ND	47.6%	41.3%
MN	61.3%	55.3%
IL	65.2%	50.6%
MI	54.8%	50.1%
NY	66.6%	59.4%
VT	75.7%	67.5%
NH	66.7%	59.4%
OR	63.1%	57.5%
NV	57.2%	47.0%
WY	44.5%	38.2%
SD	55.6%	48.7%
IA	55.8%	51.2%
IN	49.5%	45.8%
OH	52.0%	47.9%
PA	68.6%	54.5%
NJ	69.2%	60.7%
MA	74.8%	65.5%
CA	68.1%	55.2%
UT	55.9%	47.2%
CO	62.8%	56.4%
NE	56.7%	51.3%
MO	52.2%	44.4%
KY	56.0%	47.8%
WV	46.8%	39.5%
VA	64.7%	56.6%
MD	67.5%	60.9%
CT	72.8%	65.3%
RI	70.8%	64.1%
AZ	56.0%	47.3%
NM	69.0%	59.3%
KS	56.6%	47.5%
AR	52.3%	40.4%
TN	48.6%	41.1%
NC	54.8%	45.7%
SC	50.7%	42.6%
DC	66.8%	56.8%
DE	63.4%	54.6%
OK	52.2%	42.7%
LA	48.6%	40.4%
MS	45.7%	37.3%
AL	48.3%	36.8%
GA	50.5%	40.9%
TX	56.3%	46.6%
FL	62.9%	51.9%
PR	72.7%	62.1%

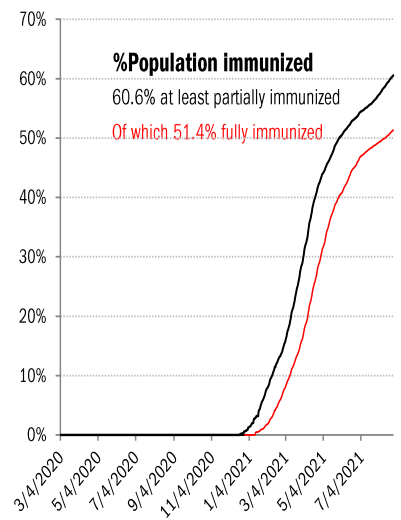
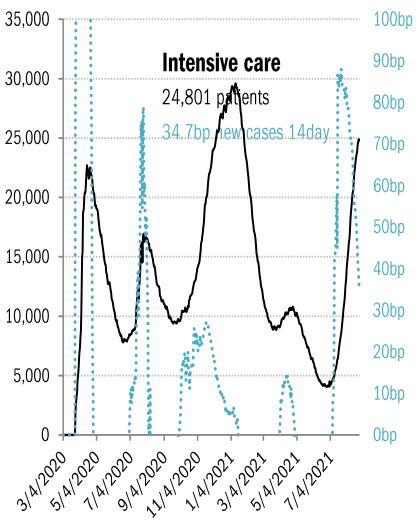
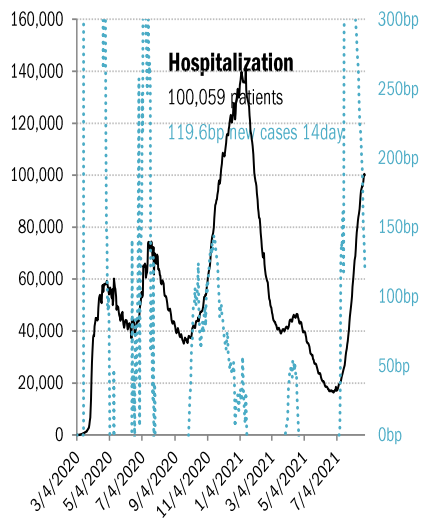
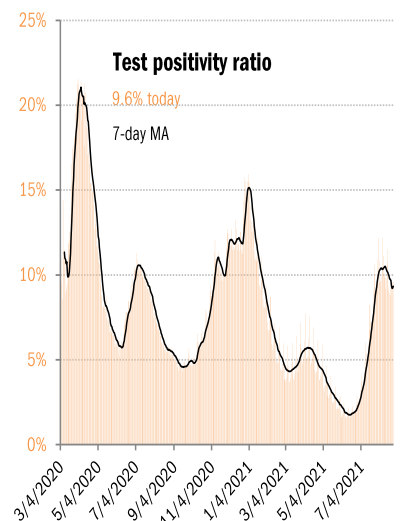
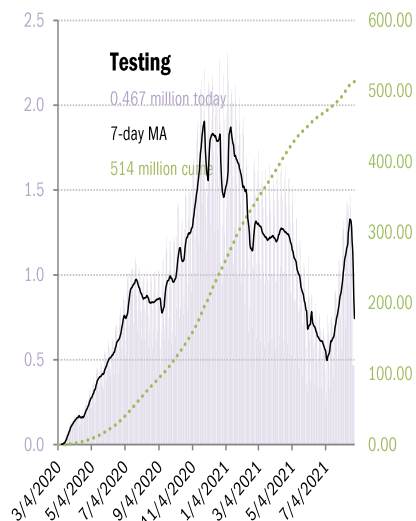
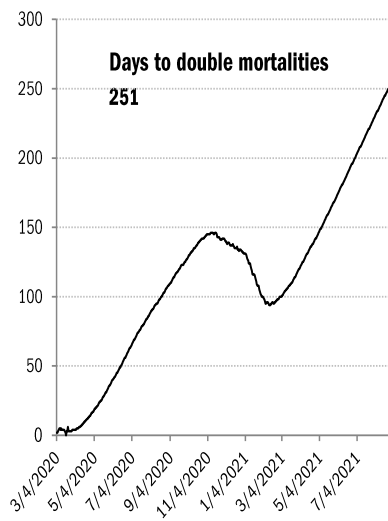
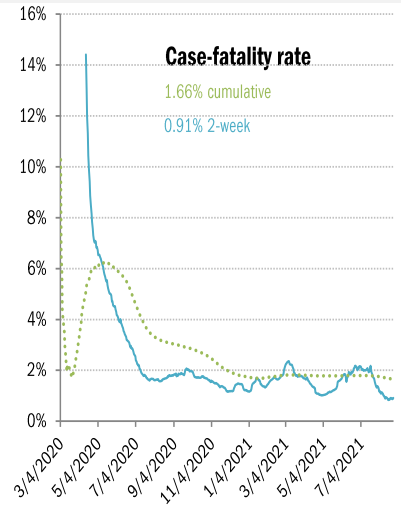
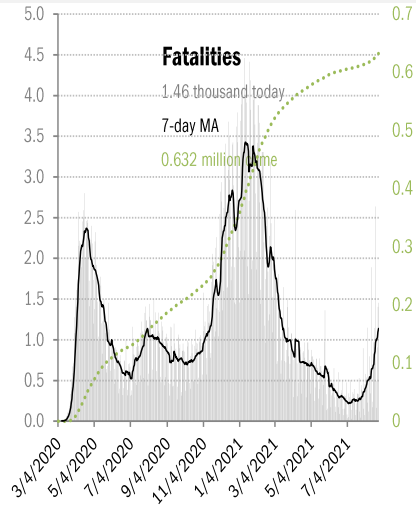
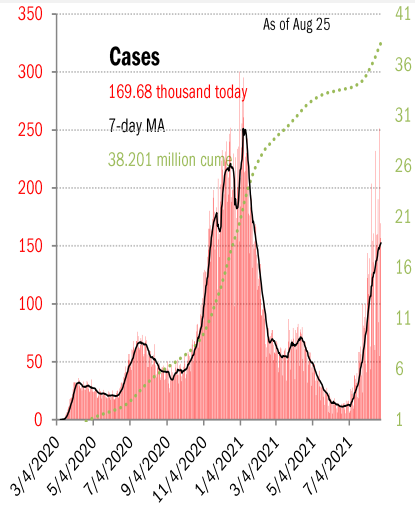
The demographics of US vaccination



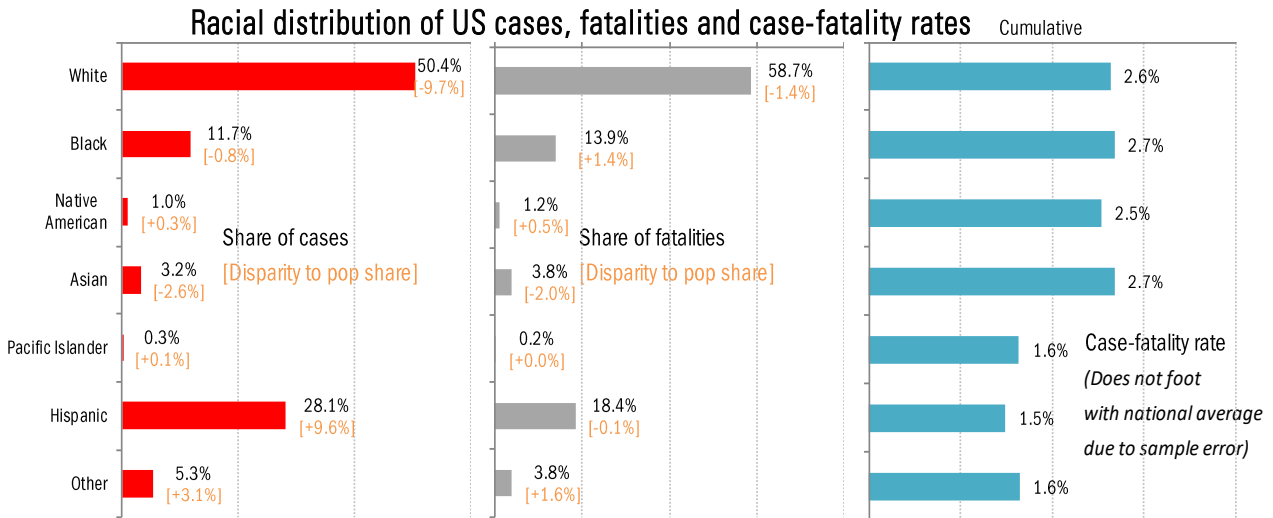
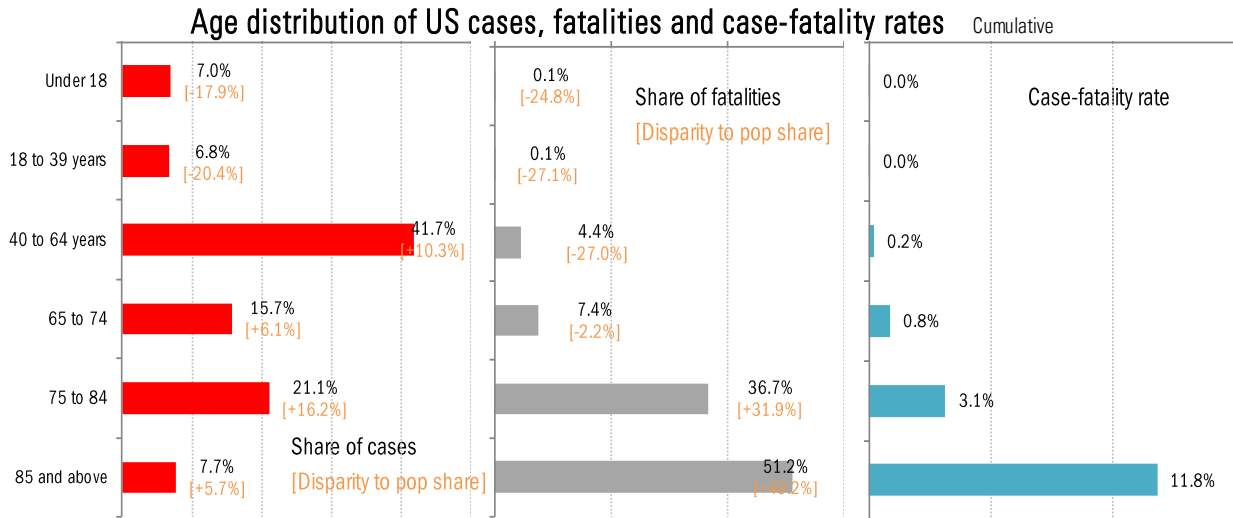
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

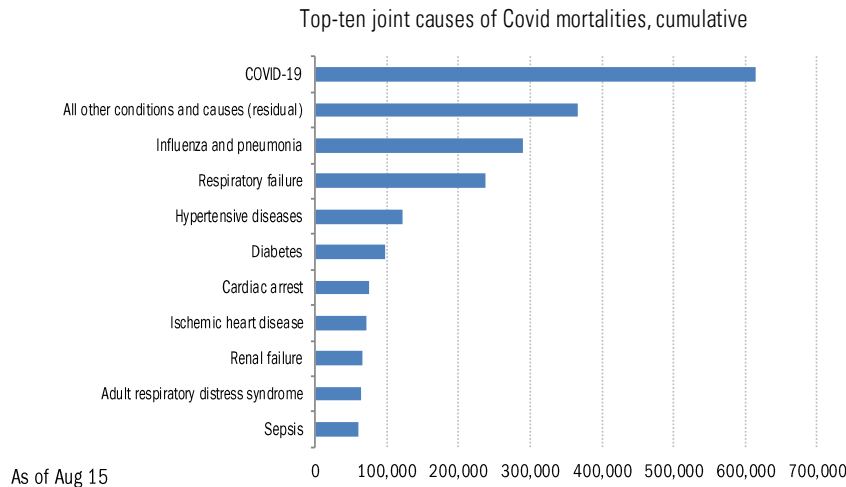
National and state-by-state data do not line up because of different sources



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

[Fauci Wants You Captive Until Spring 2022](#)

Itxu Diaz
American Spectator
August 24, 2021

[Hidden immunity: Why booster jabs may not be needed after all](#)

Sarah Knapton
The Telegraph
August 23, 2021

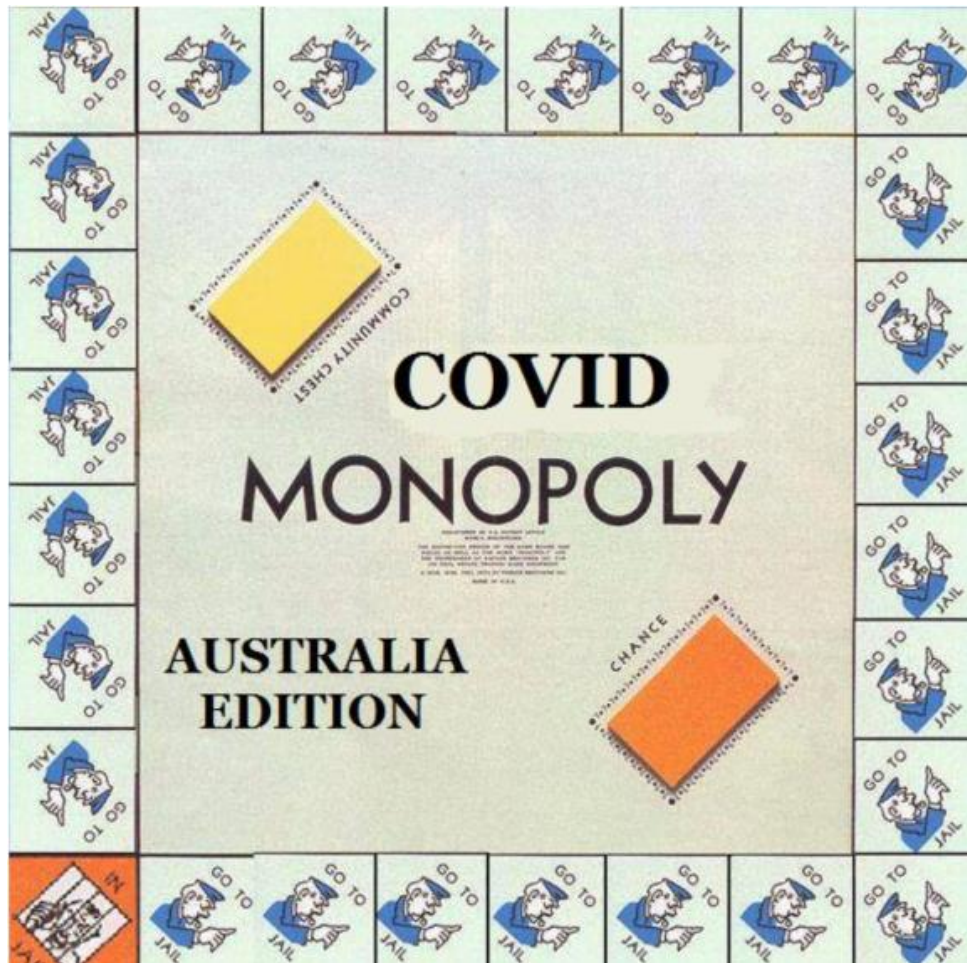
[DeSantis and Fauci, Who Sparred Throughout Pandemic, Agree on Monoclonal Antibody Treatment](#)

Katherine Fung
Newsweek
August 24, 2021

[A Doctrine of Unlimited Power](#)

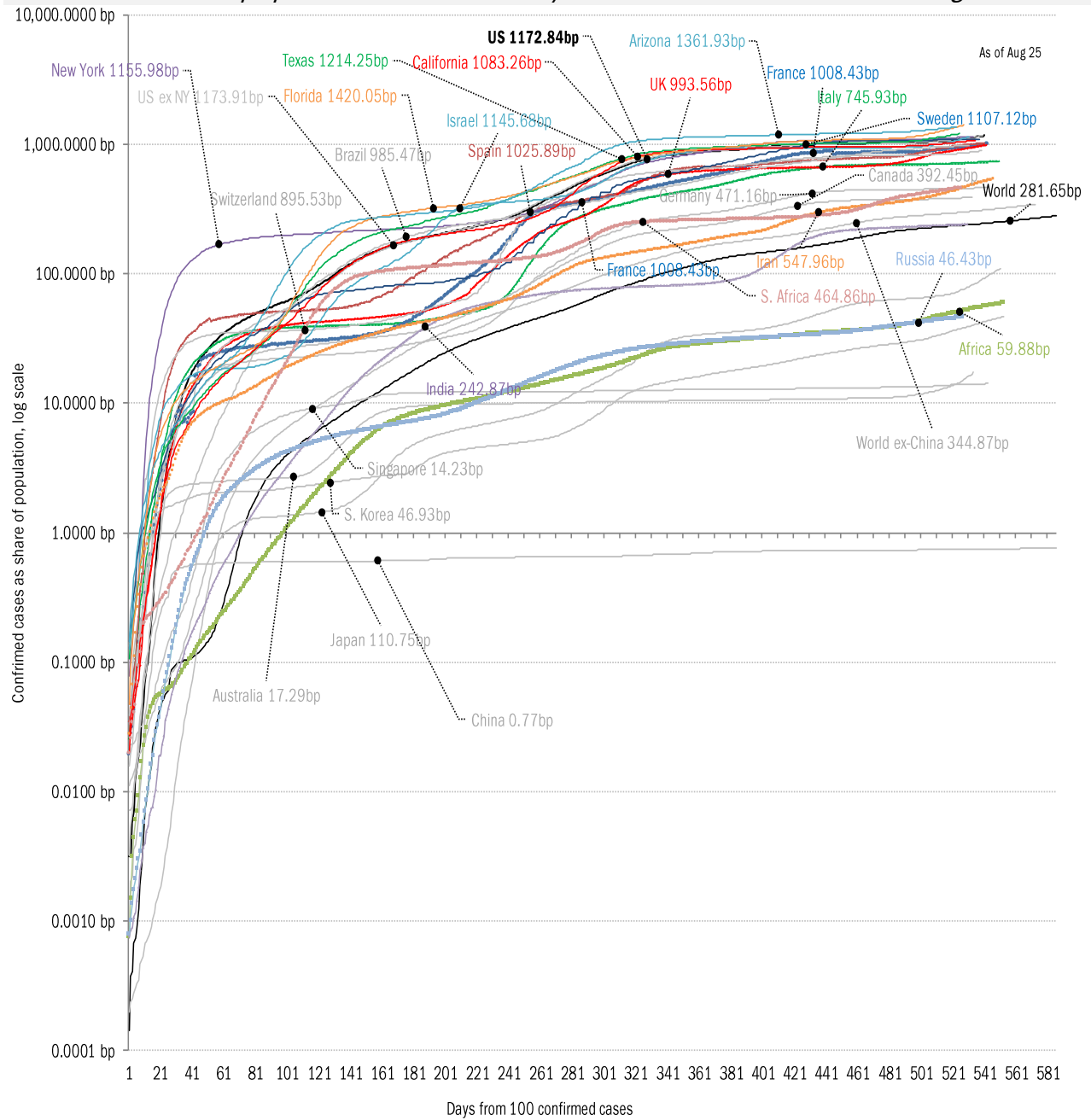
Wall Street Journal
August 24, 2021

Meme of the day



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

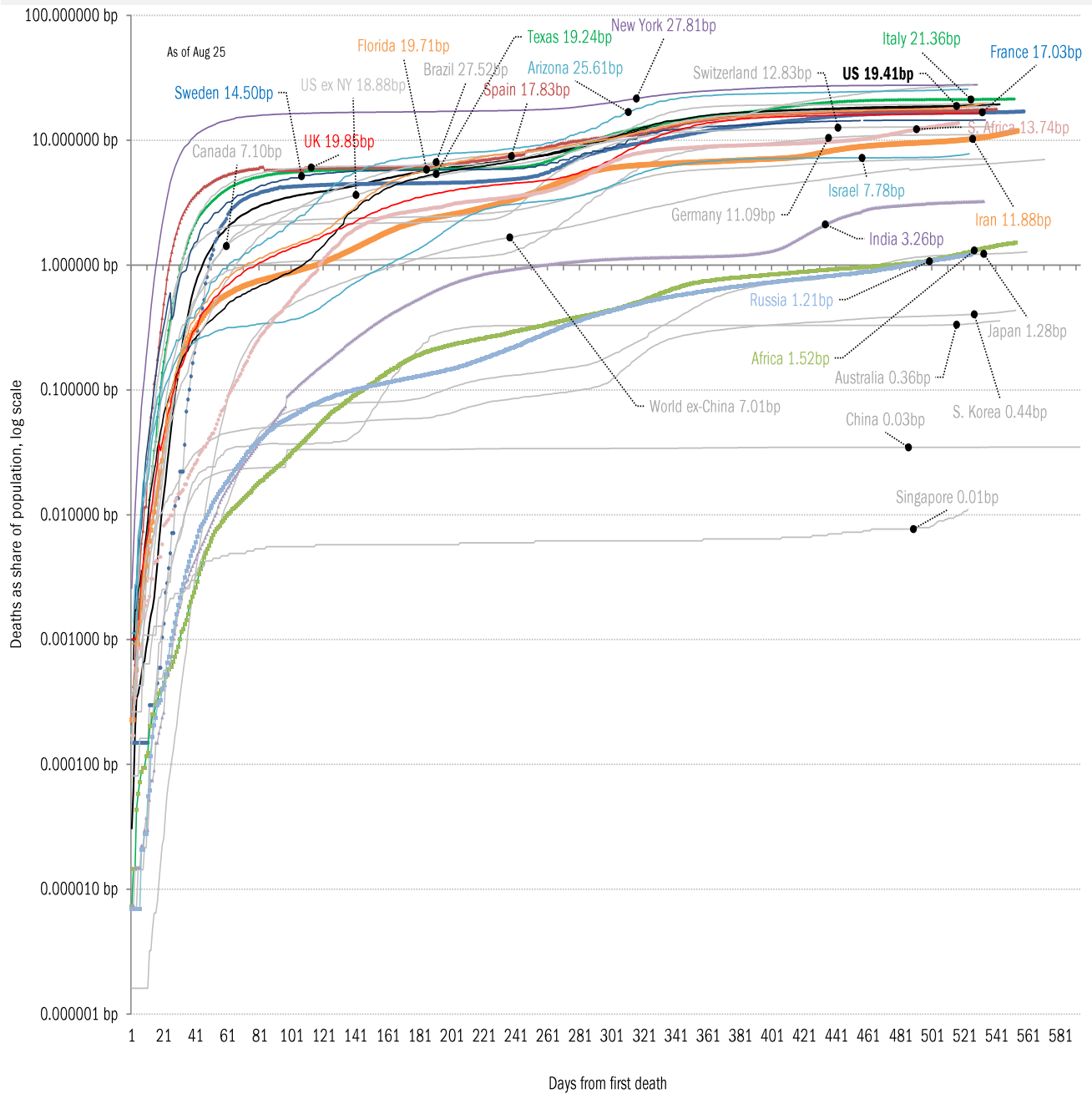
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

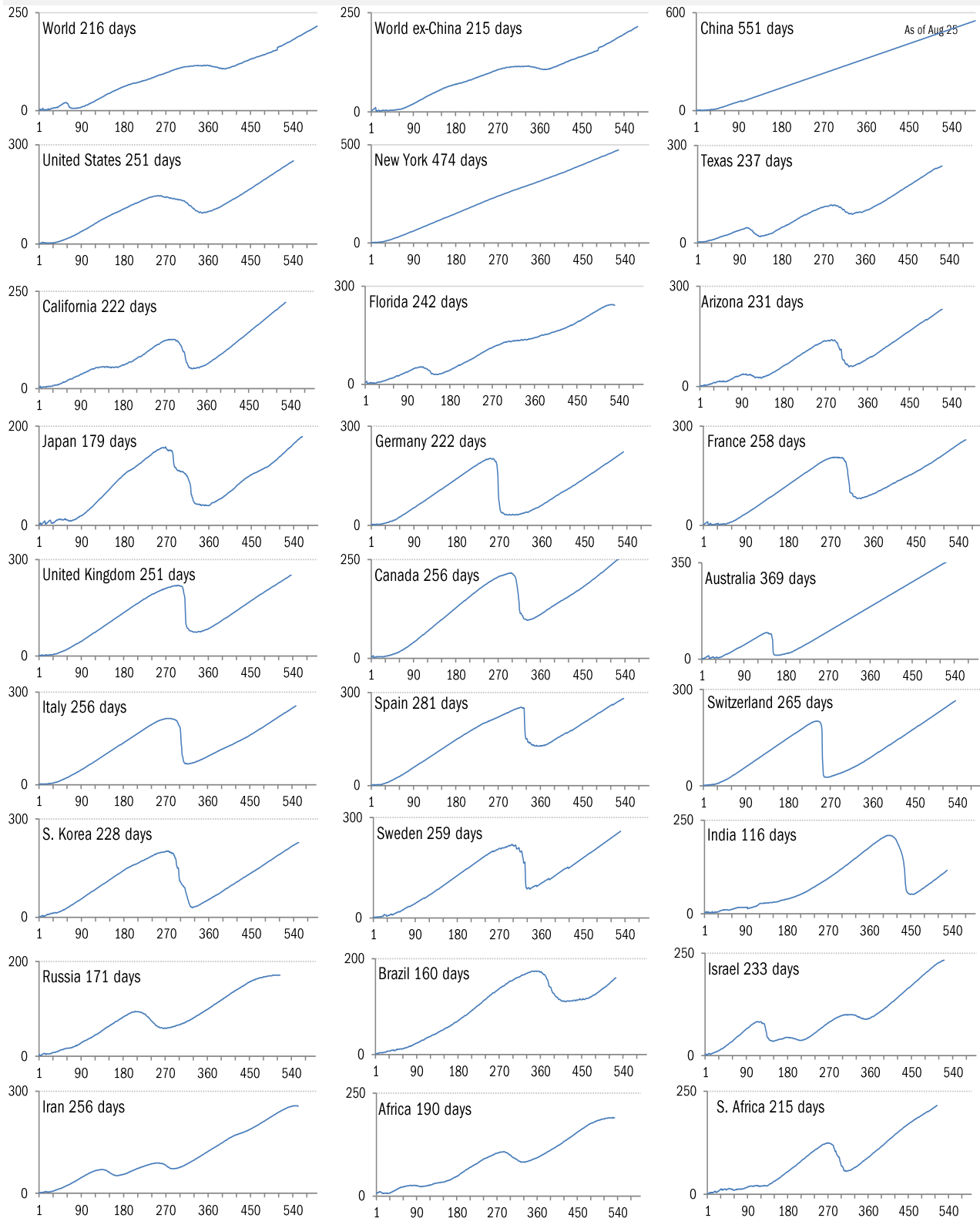


Source: [Johns Hopkins](#), TrendMacro calculations

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

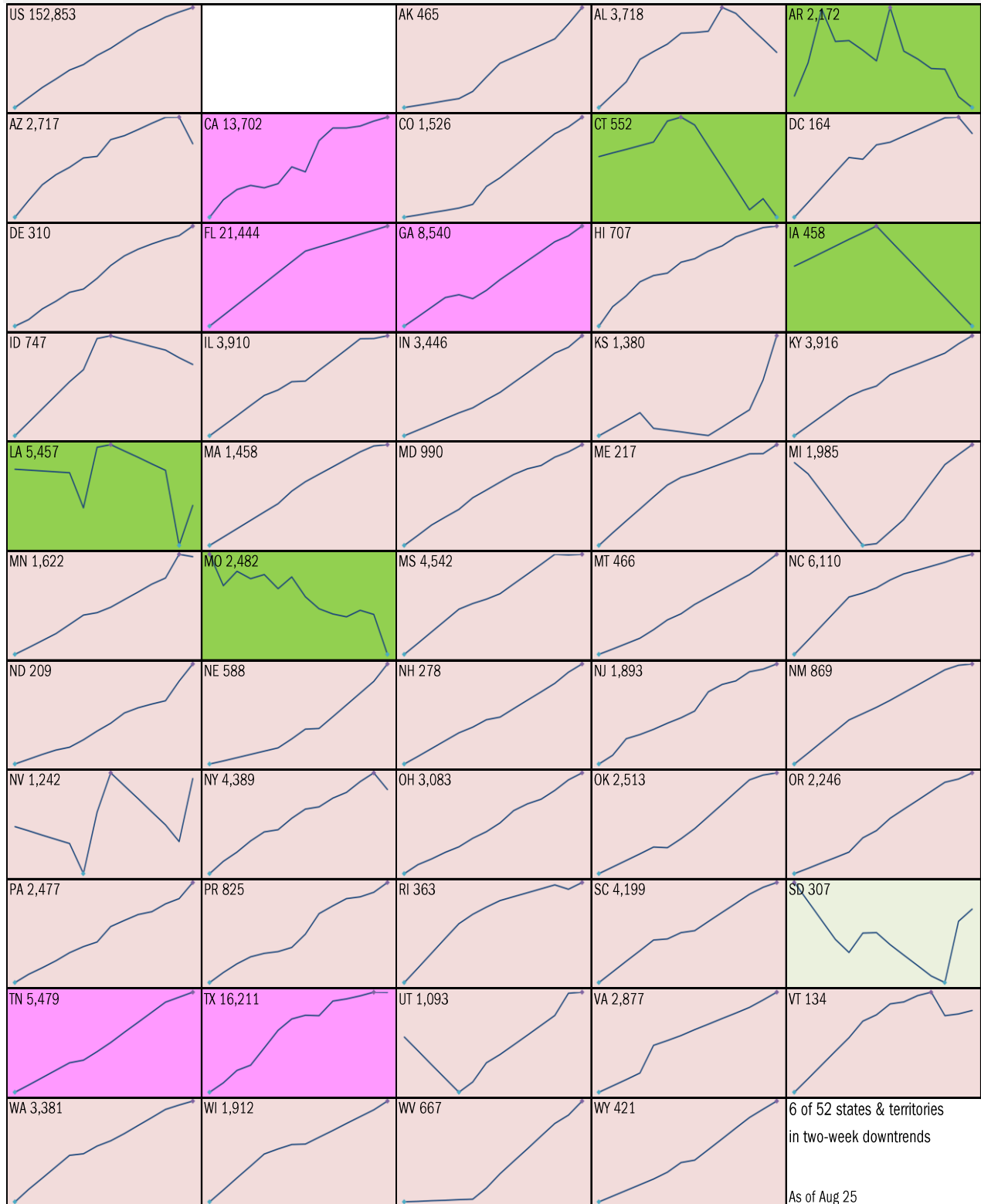
Vertical: days to double deaths Horizontal: days from first death

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

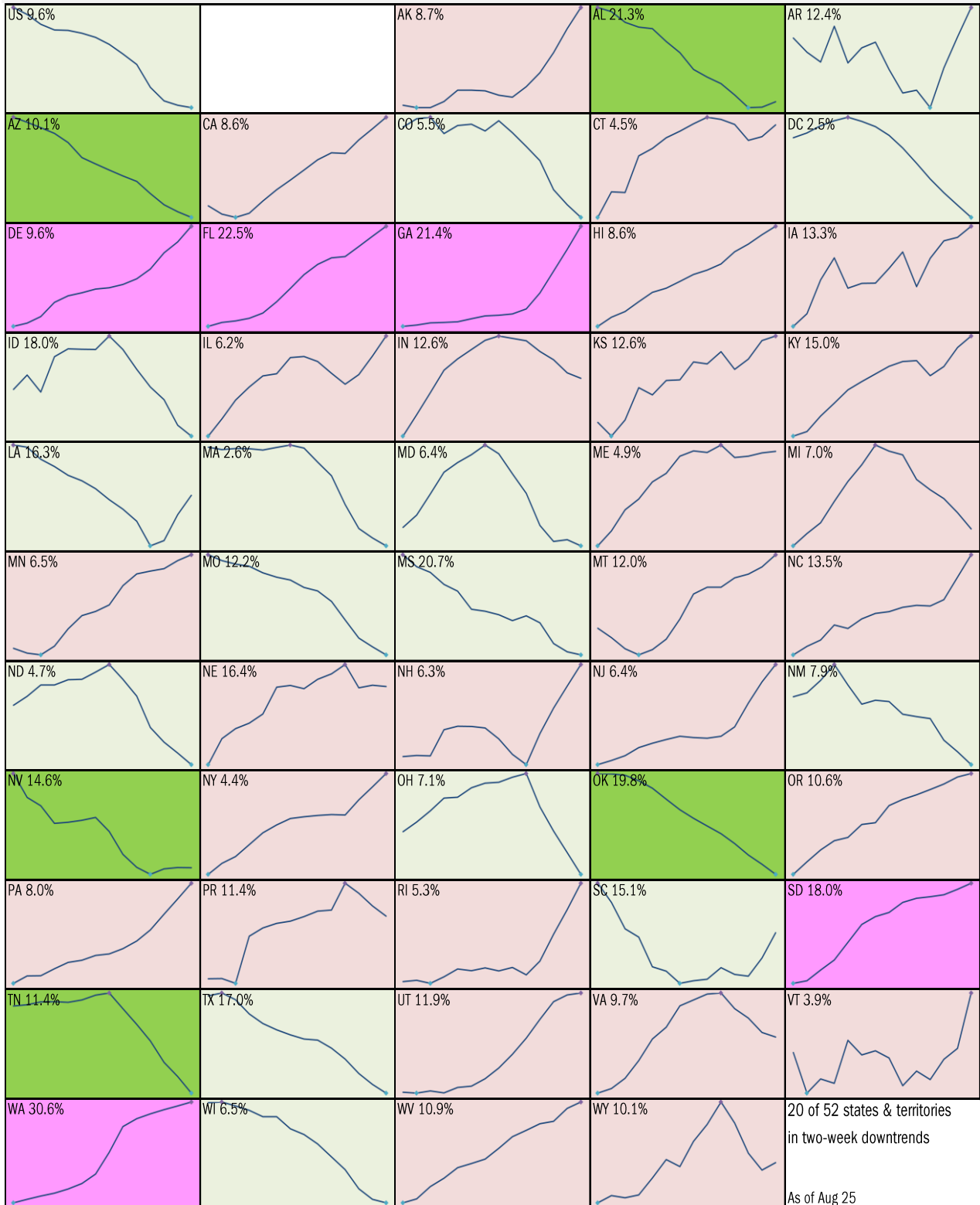


Source: [Johns Hopkins](#), TrendMacro calculations

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

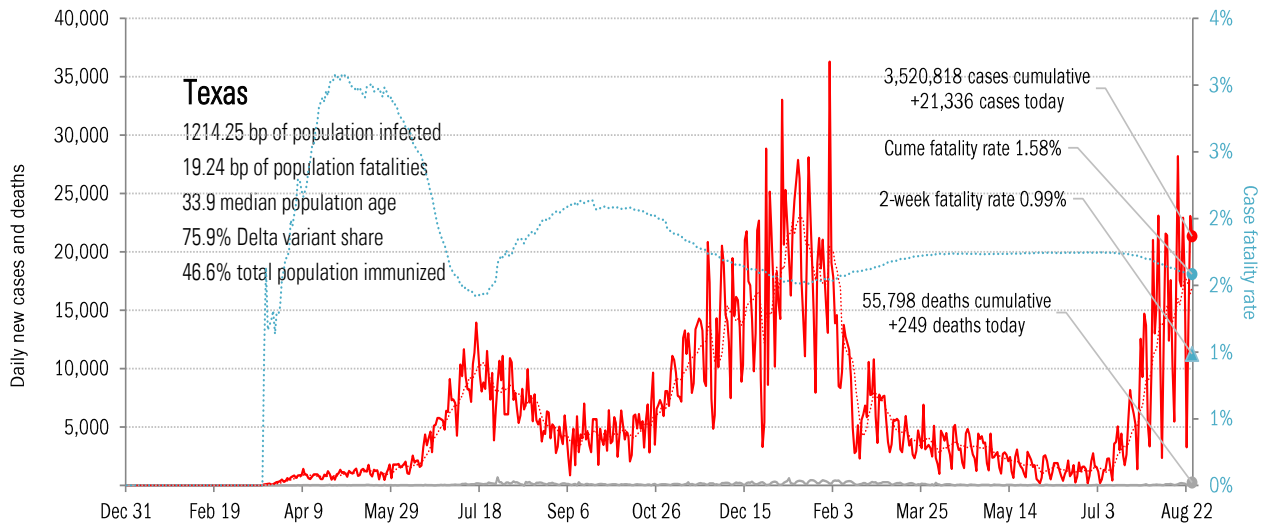
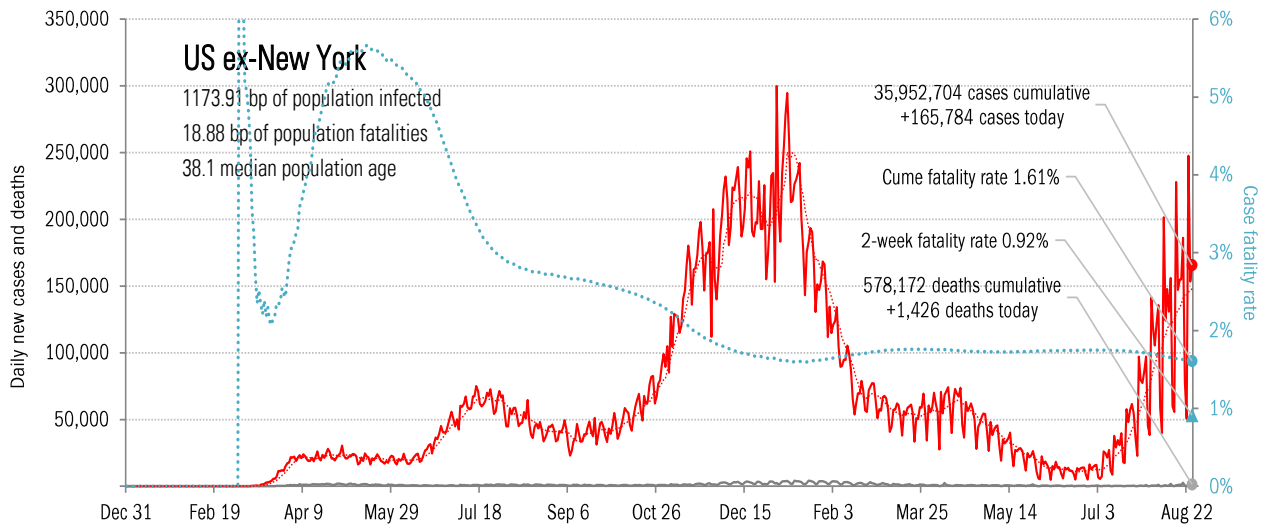
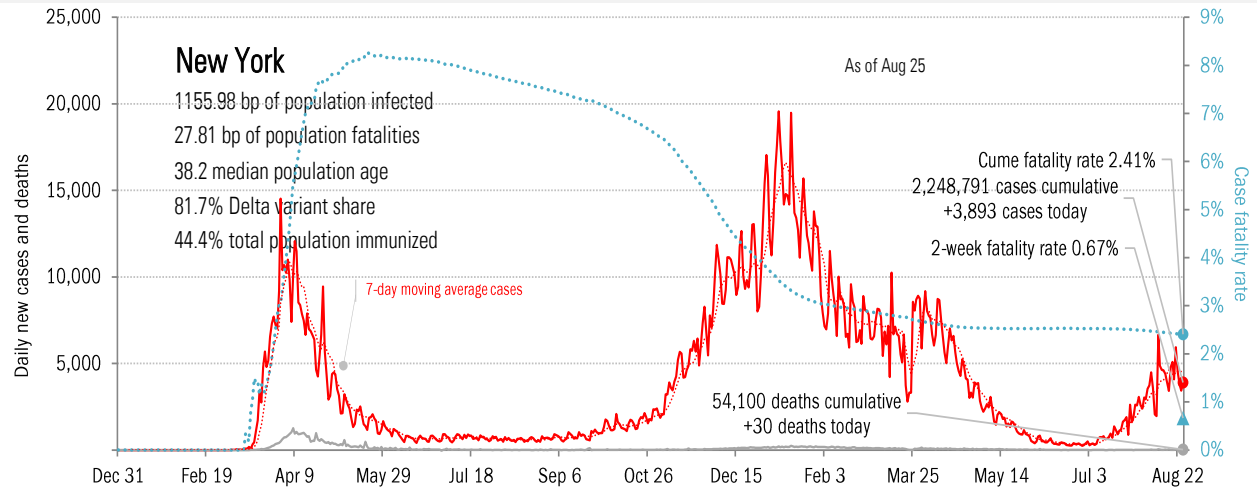
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



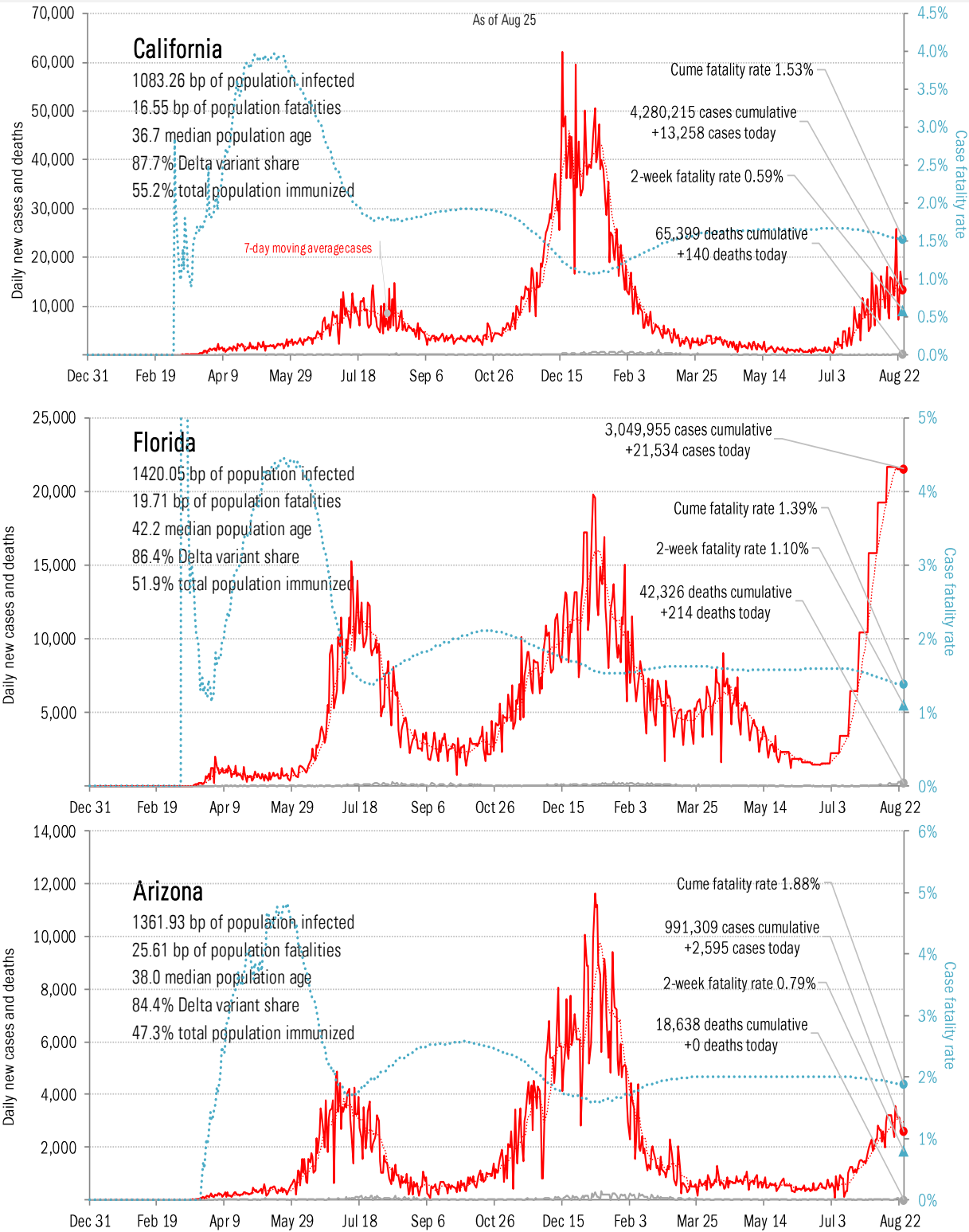
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



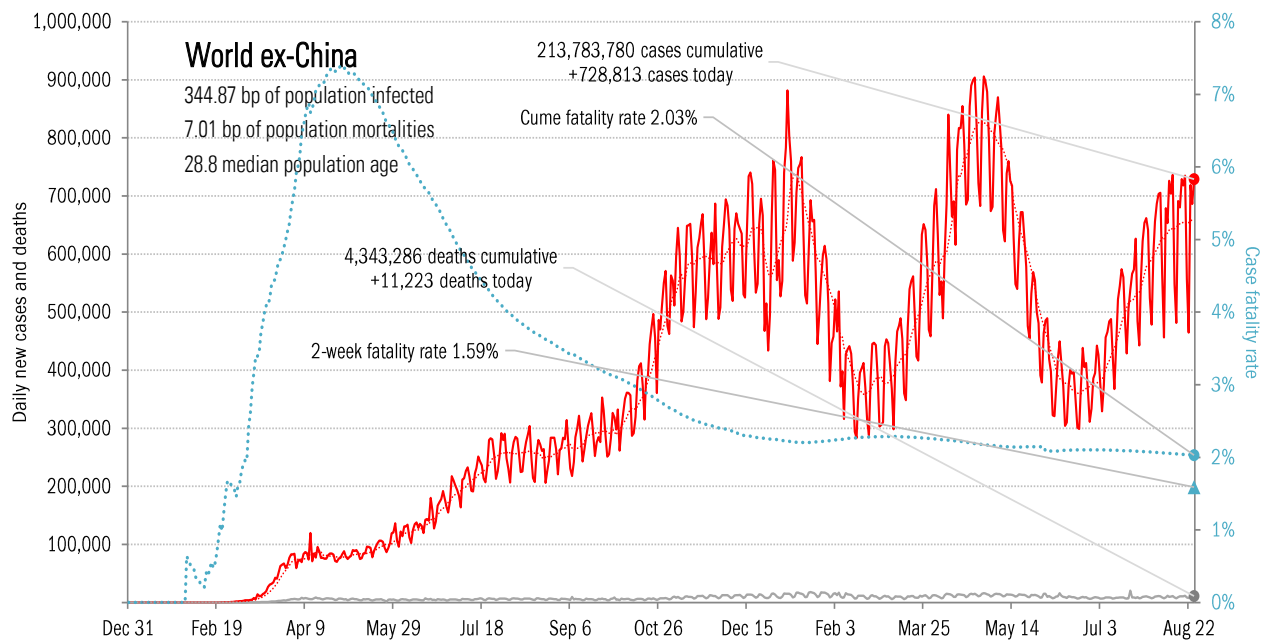
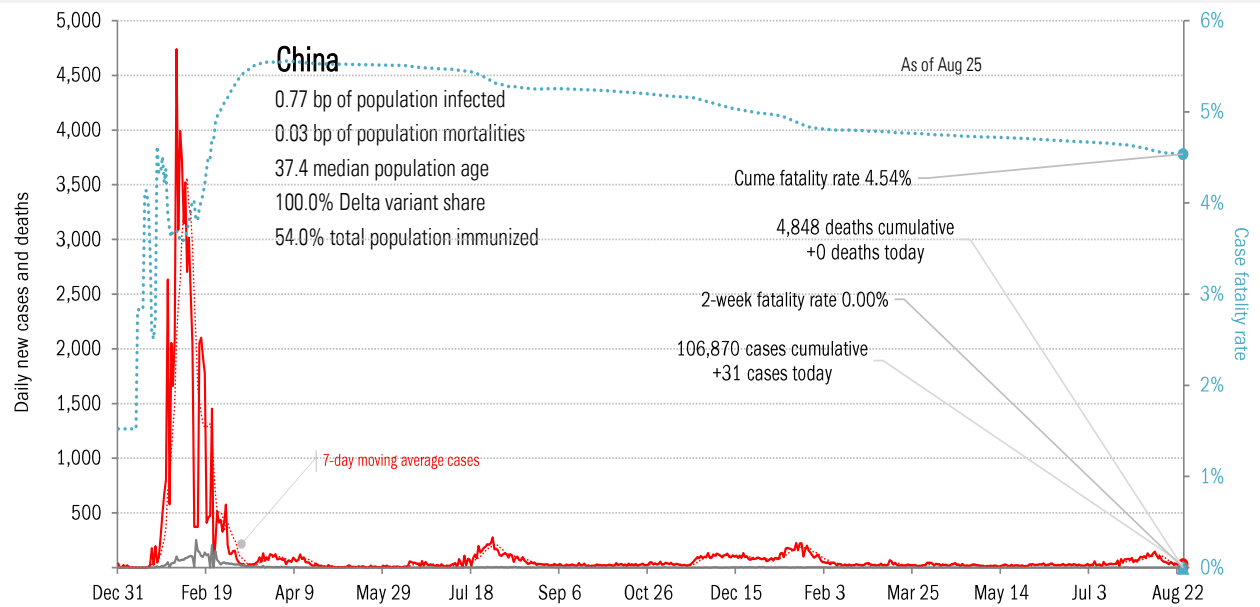
Source: [Johns Hopkins](#), TrendMacro calculations

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



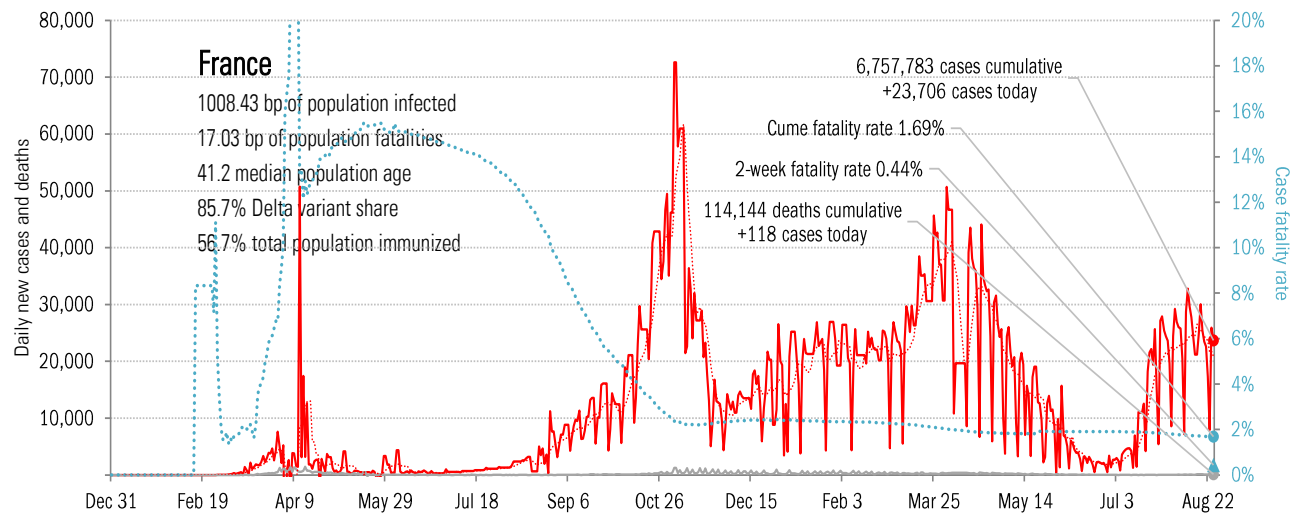
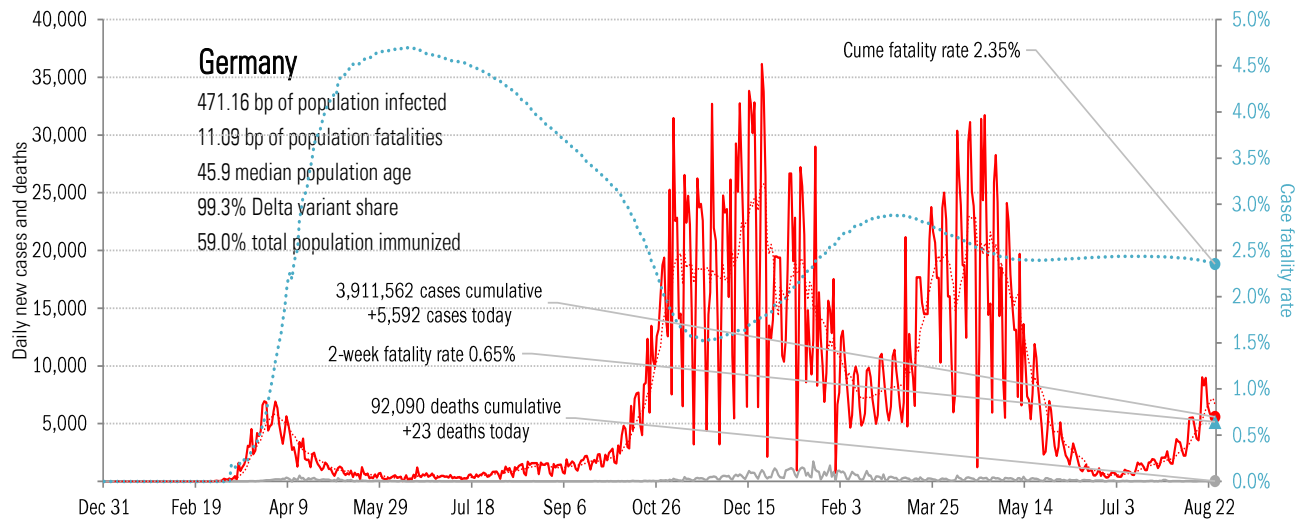
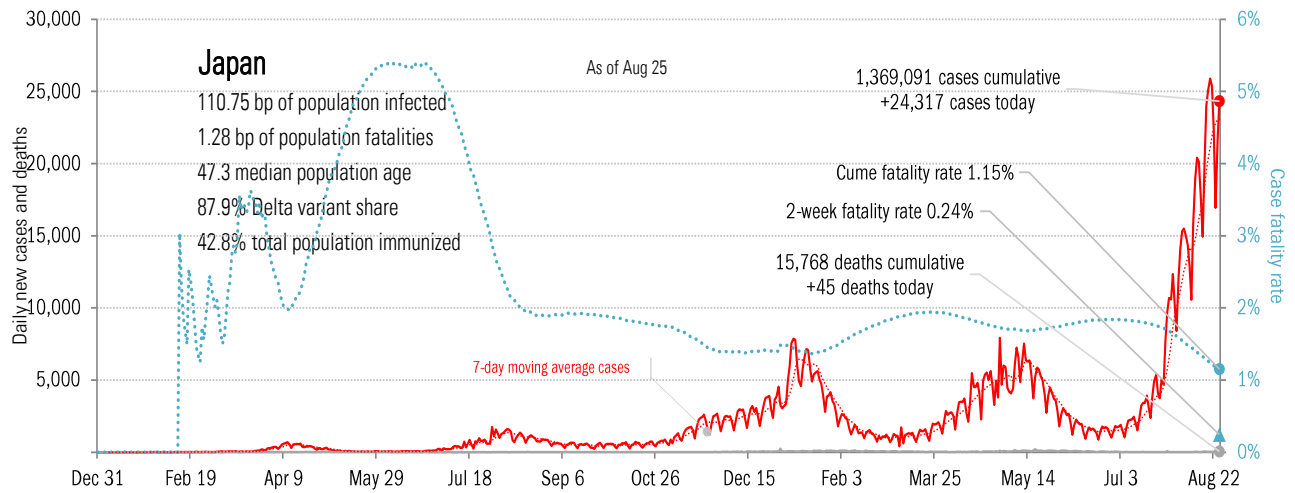
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



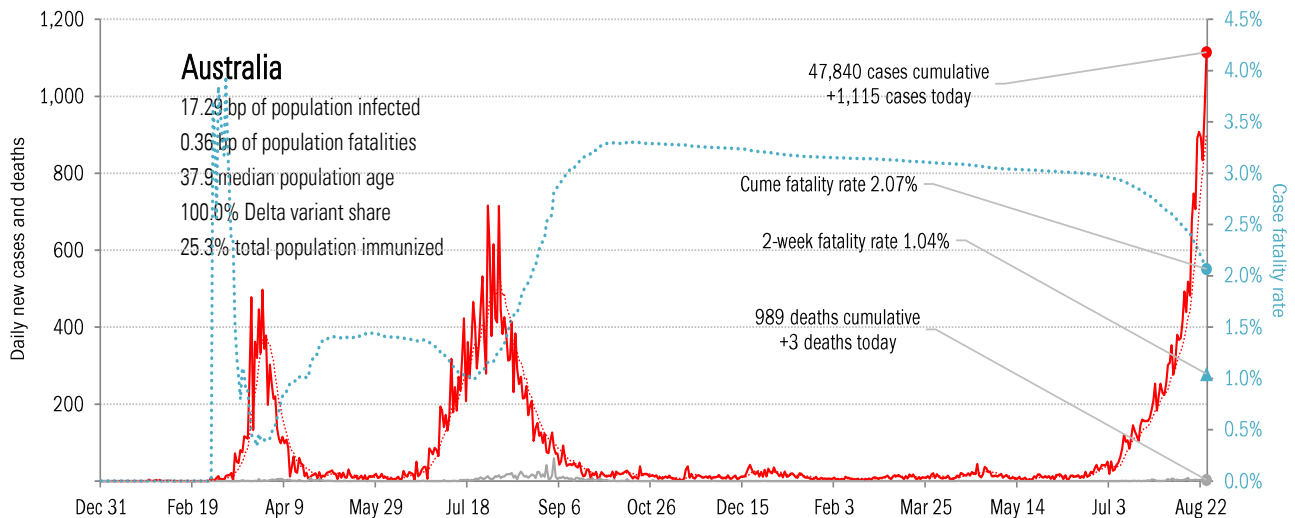
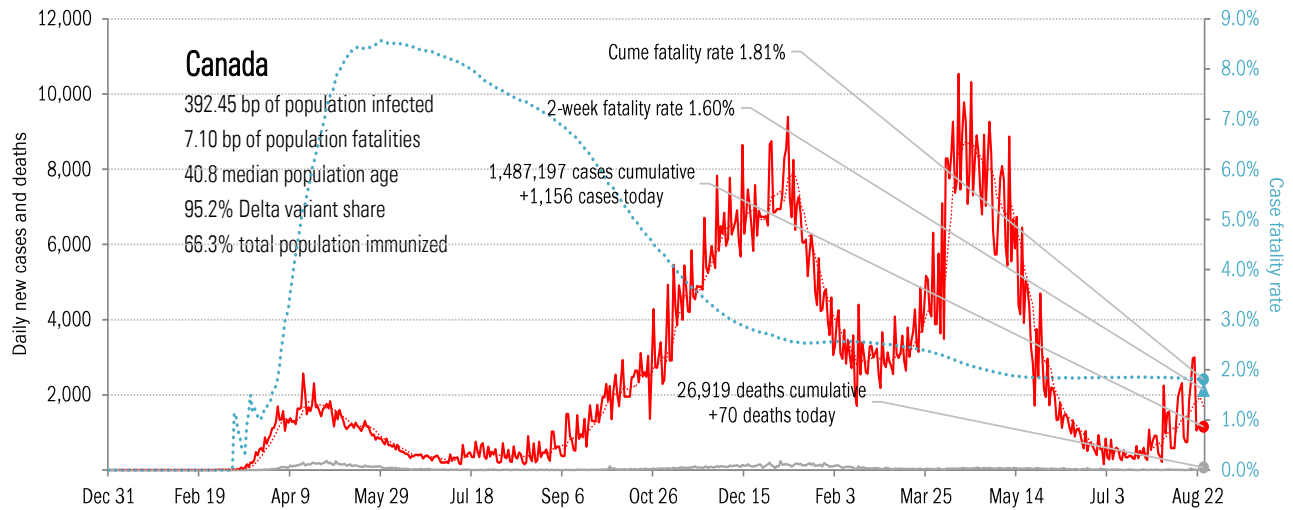
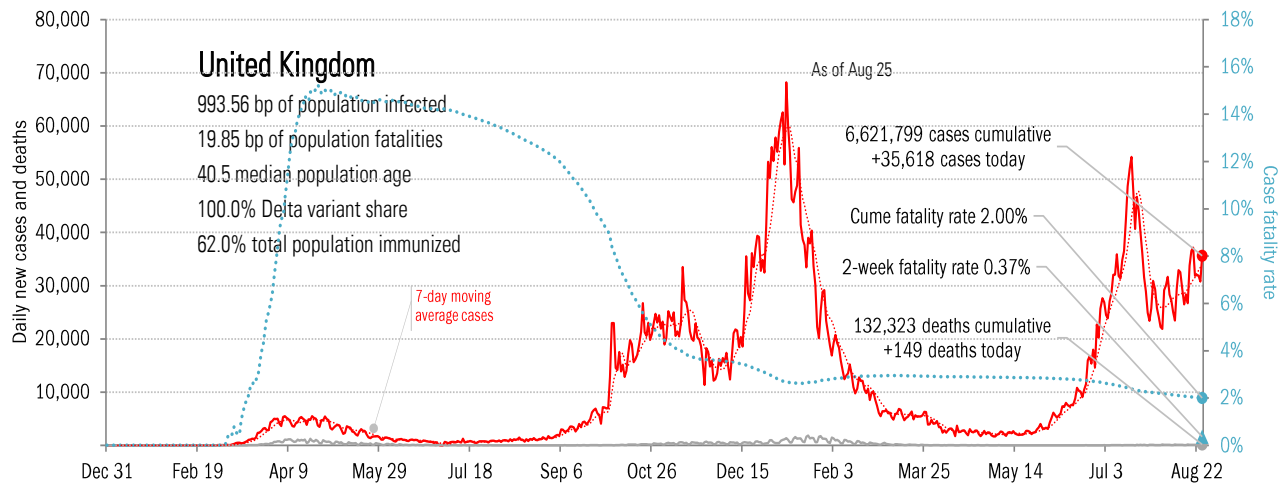
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



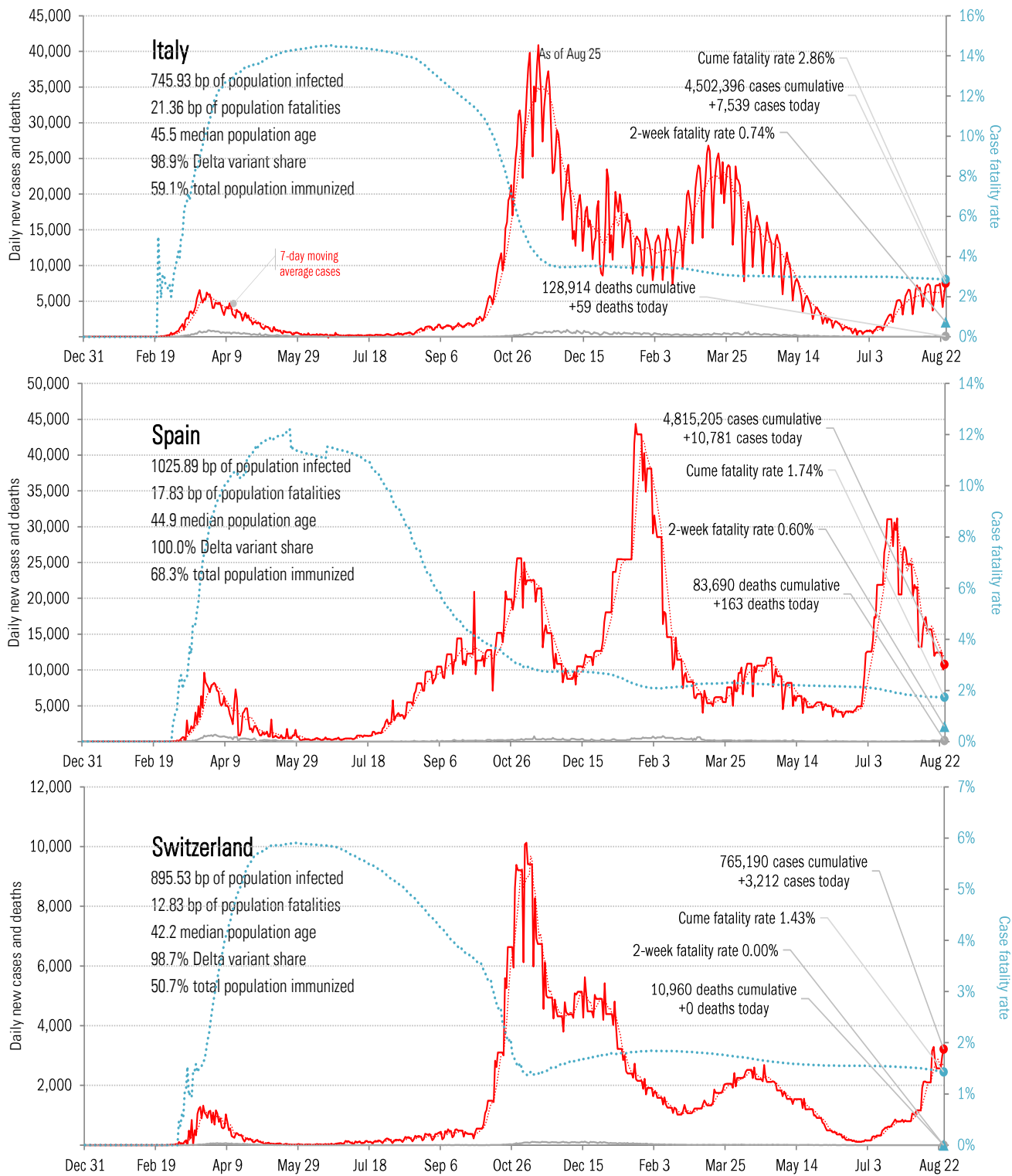
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



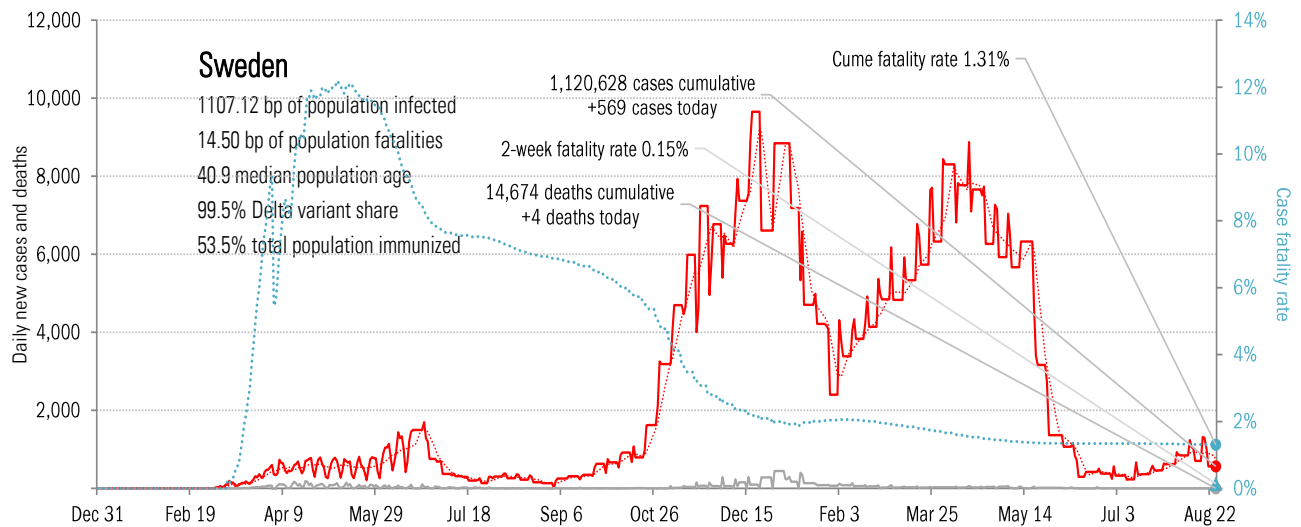
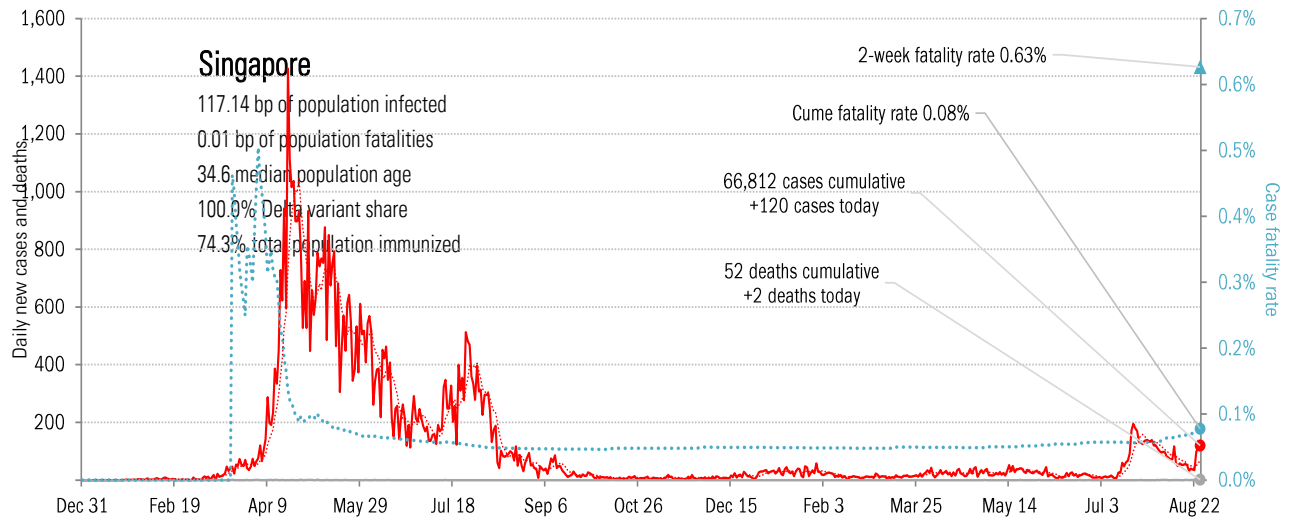
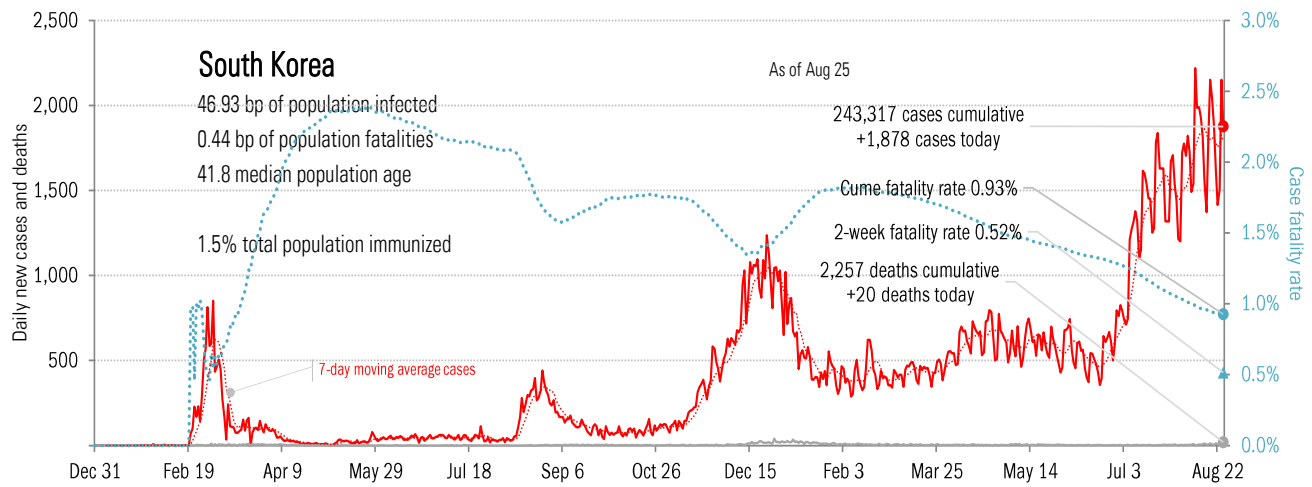
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



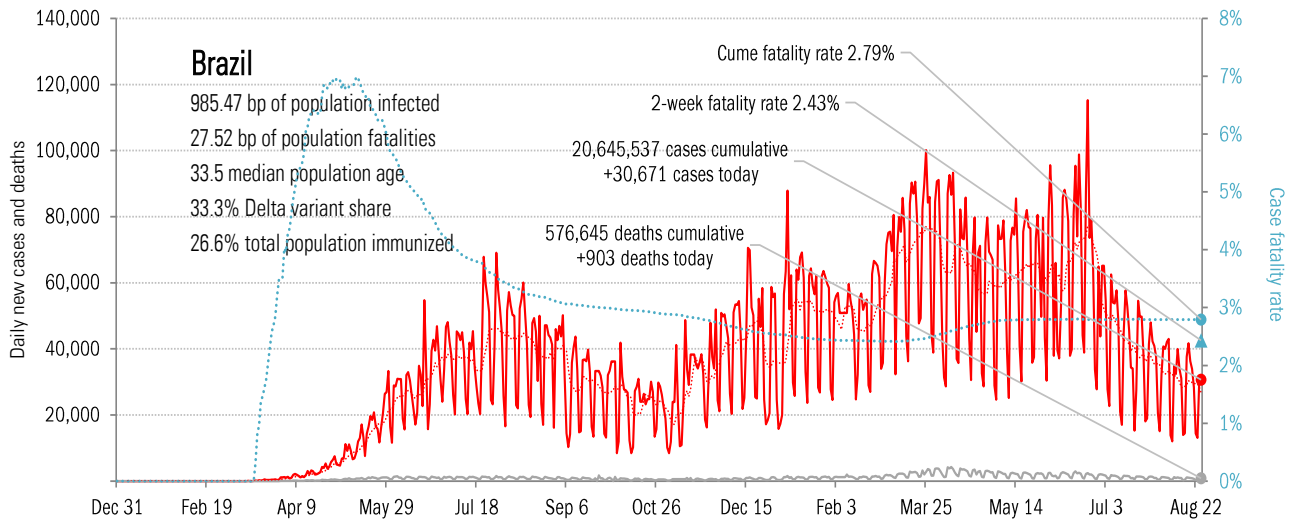
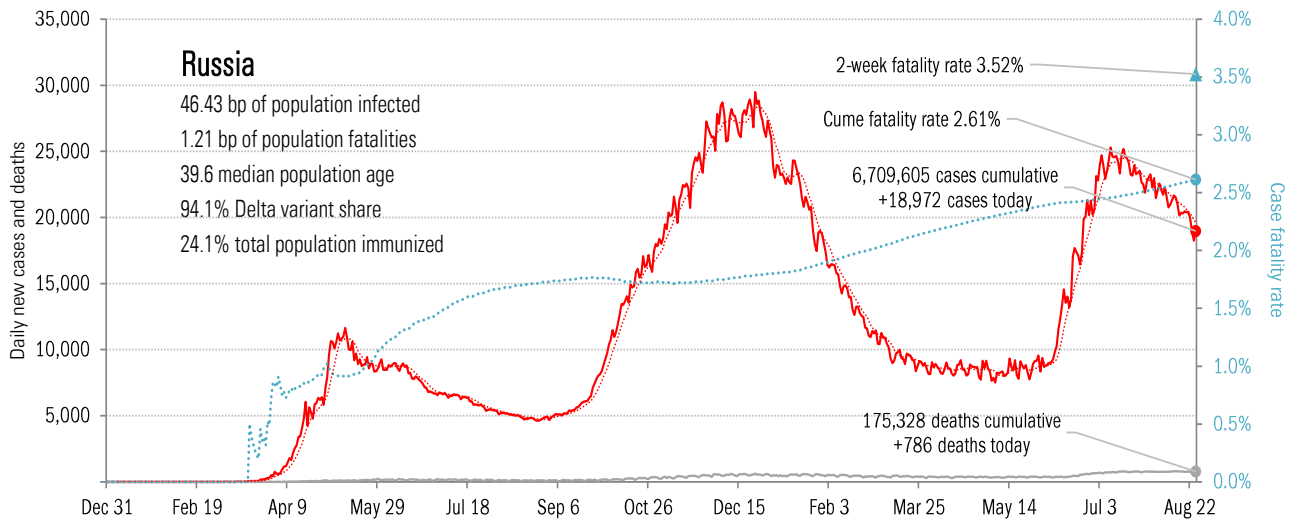
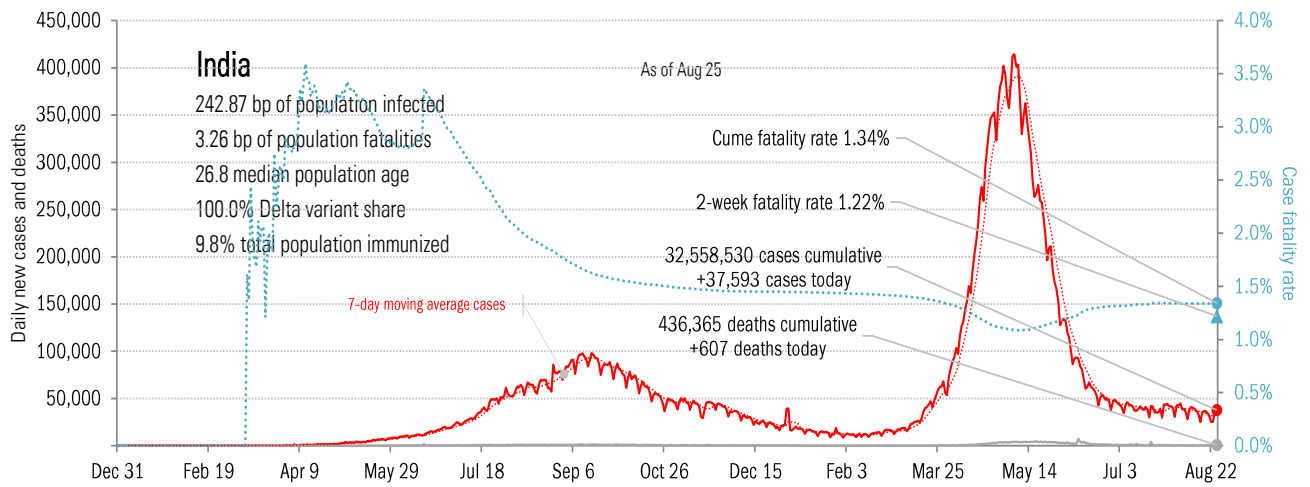
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



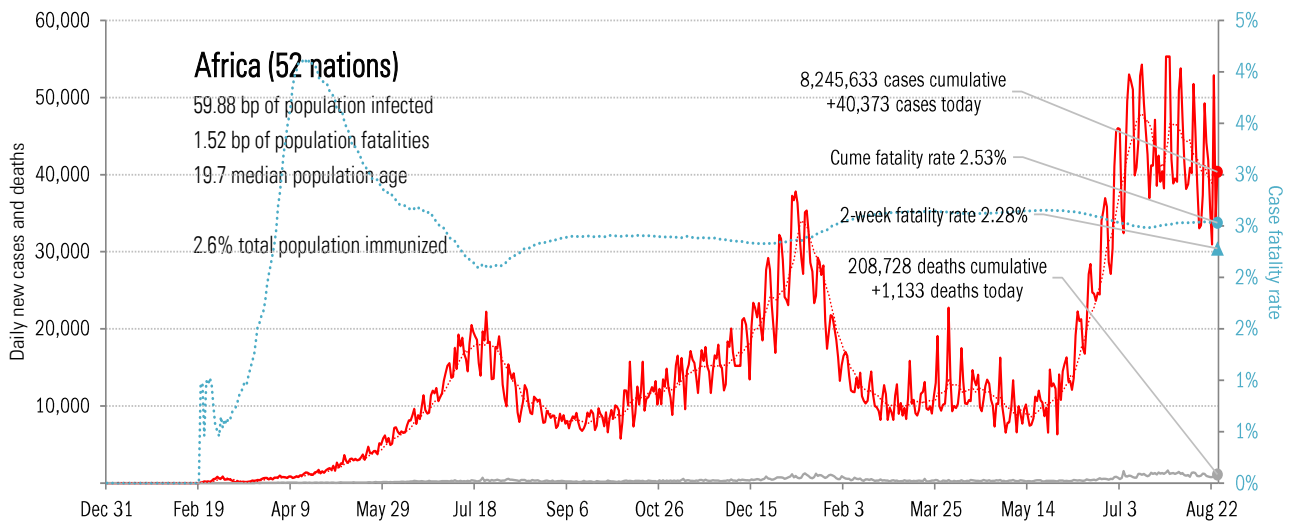
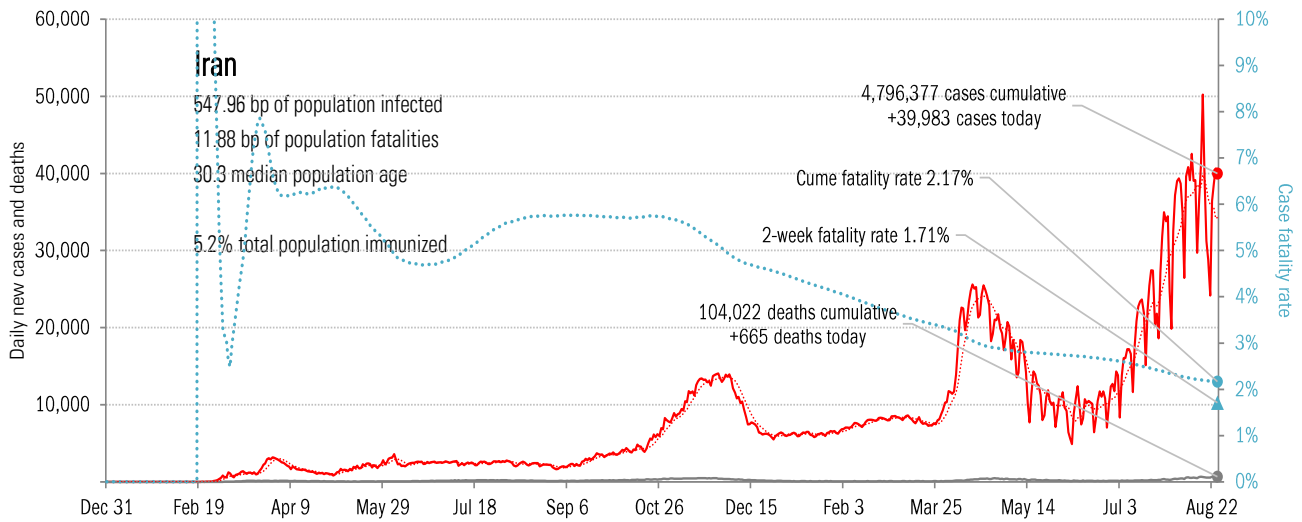
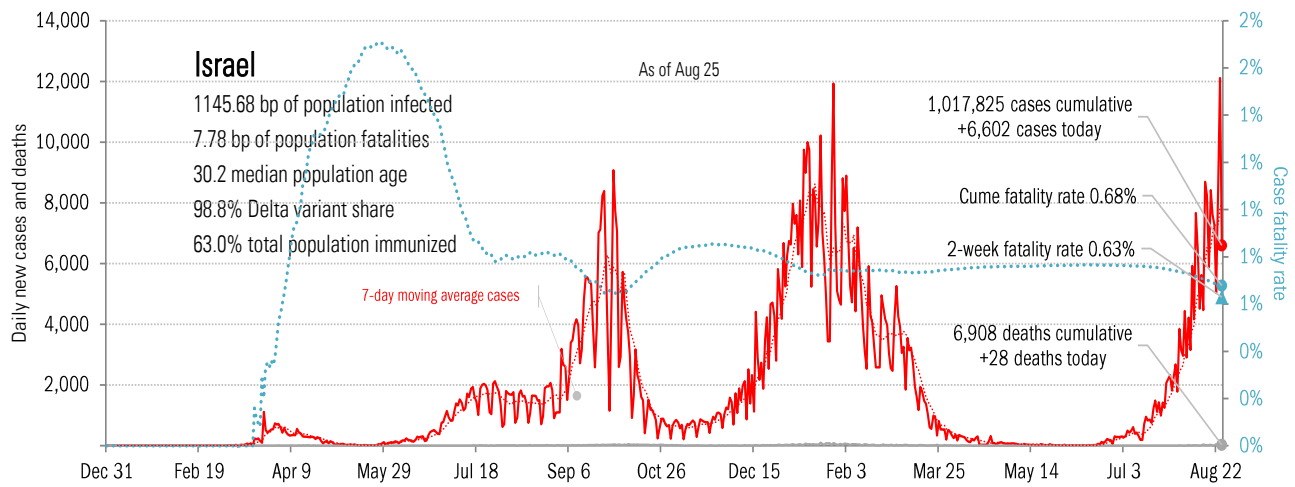
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



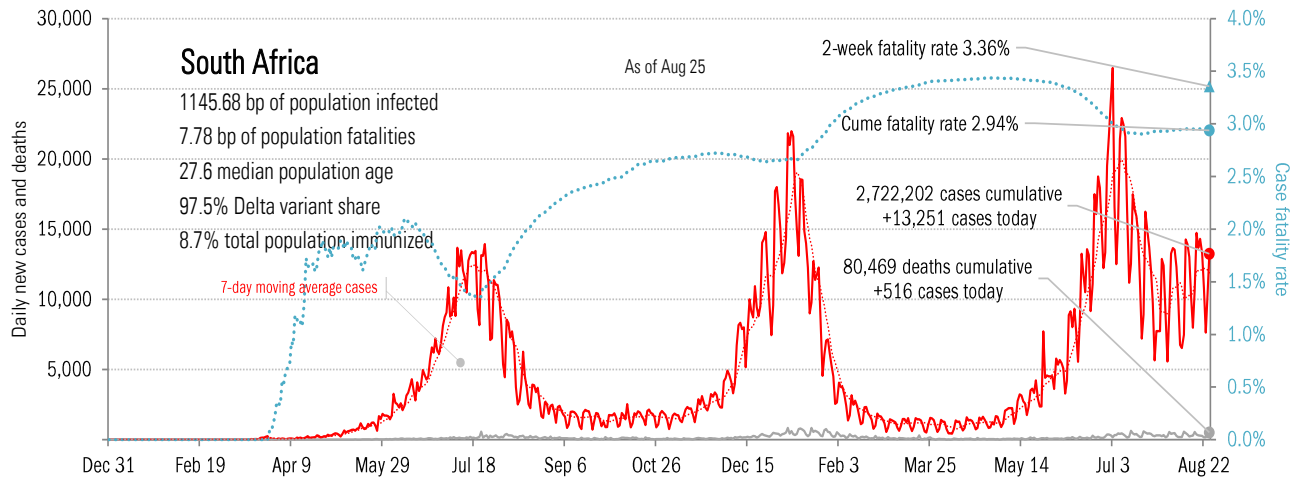
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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