

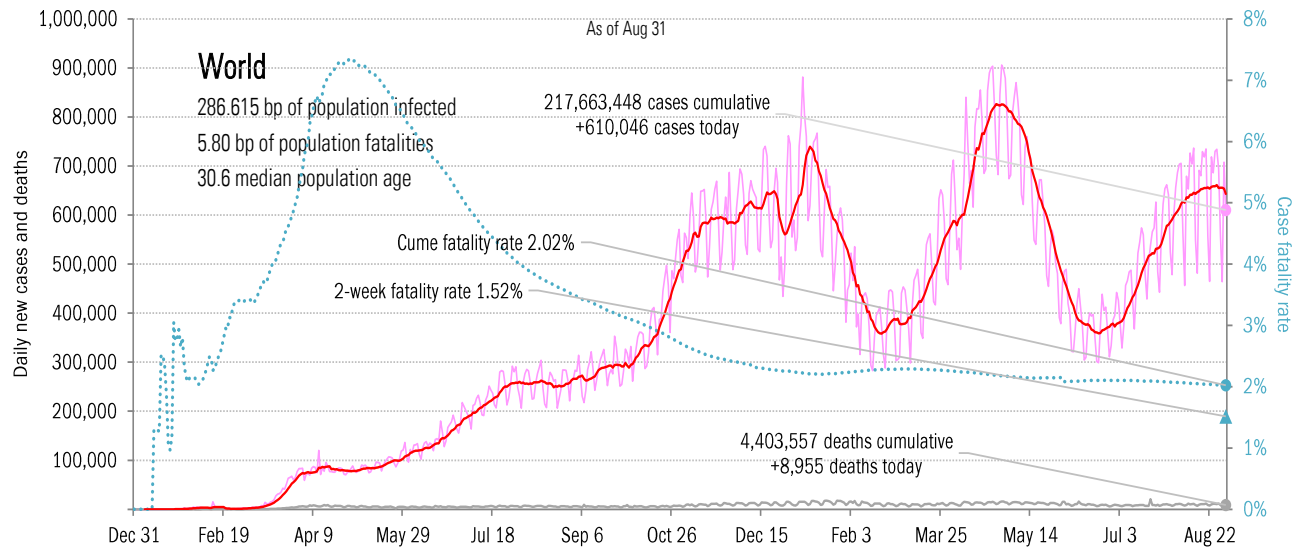
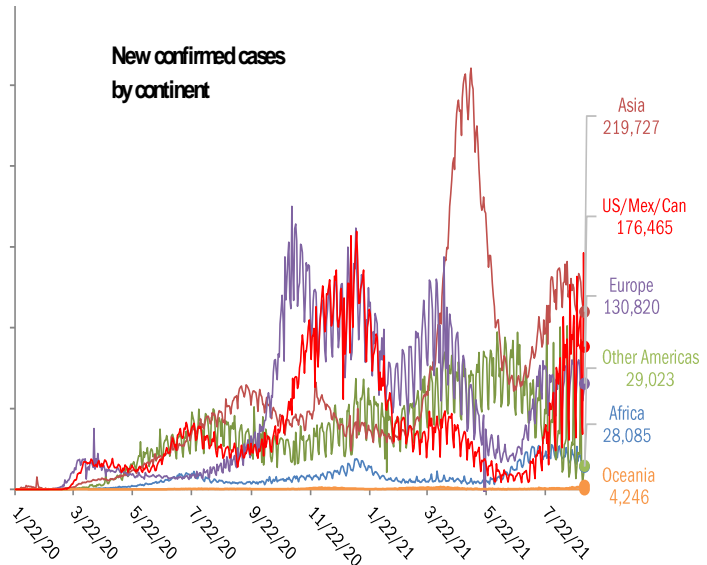
Data Insights: Covid-2019 Monitor

Wednesday, September 1, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+162,384	United States	+1,397
India	+41,965	Brazil	+839
United Kingdom	+32,167	Mexico	+835
Iran	+31,319	Russia	+776
Brazil	+24,589	Iran	+643
Turkey	+21,893	Indonesia	+532
Malaysia	+20,897	India	+460
Germany	+18,646	South Africa	+431
Japan	+17,667	Malaysia	+282
Russia	+17,374	Turkey	+252
+388,901		+6,447	
World	+610,046	World	+8,955
Top ten	64%	Top ten	72%



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

Cases: 7-day average and daily Deaths: Daily

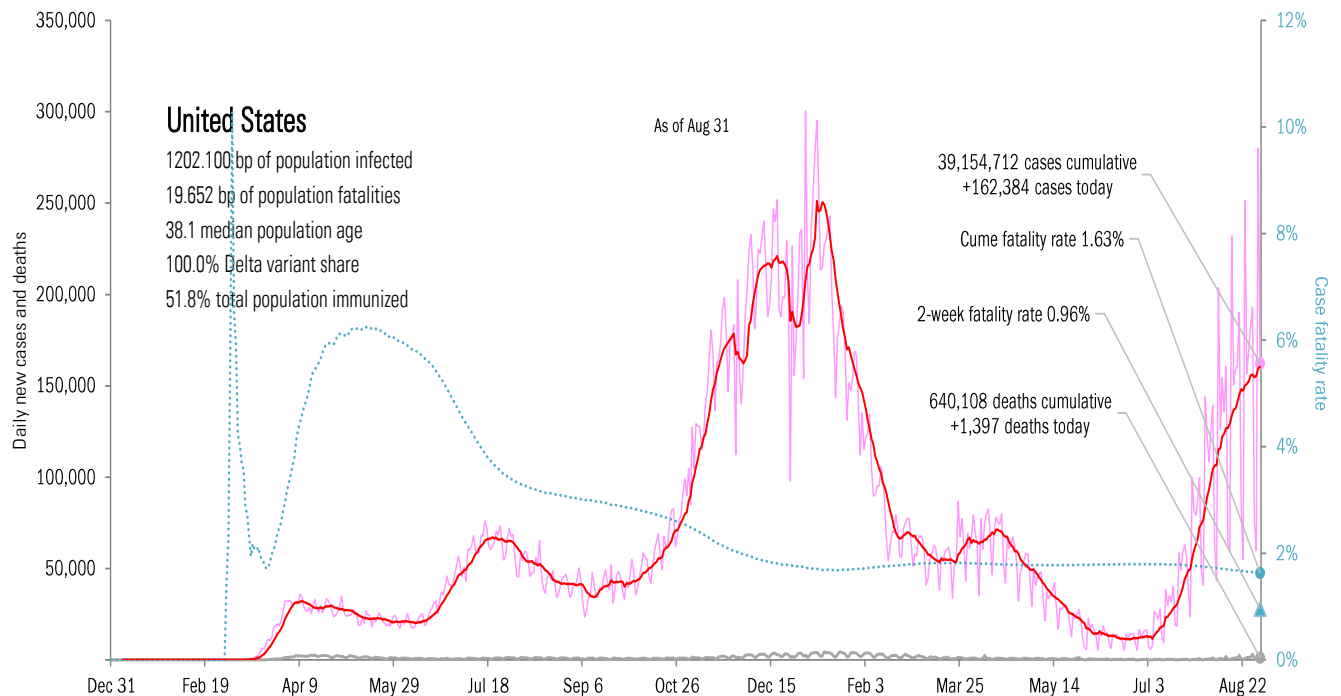
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+21,680		FL	+267		ND	+16		CA	4,360,789		CA	65,873		TX	319,935		GA	87%	AL	104%
TX	+19,742		TX	+236		WI	+16		TX	3,612,246		TX	57,044		CA	278,591		RI	86%	GA	95%
CA	+14,660		MO	+134		KY	+15		FL	3,179,889		NY	54,254		FL	276,701		FL	85%	FL	93%
GA	+10,521		GA	+99		WV	+11		NY	2,278,590		FL	43,979		NY	146,610		MA	82%	TX	90%
TN	+9,686		IN	+72		MT	+10		IL	1,522,942		PA	28,235		GA	135,256		MD	82%	MS	90%
CH	+5,914		CH	+67		VA	+10		GA	1,403,582		NJ	26,882		PA	98,132		SC	81%	AR	89%
NC	+5,351		AL	+61		AZ	+6		PA	1,300,368		IL	26,386		CH	97,583		PA	81%	NM	89%
AL	+5,206		CA	+59		CO	+3		CH	1,220,900		GA	22,740		KY	94,224		MO	80%	KY	88%
IL	+4,871		NC	+56		IA	+3		NC	1,213,654		MI	21,547		IL	92,602		TX	80%	LA	88%
SC	+4,602		TN	+56		CH	+3		NJ	1,091,966		CH	20,866		MI	77,886		KY	79%	OK	87%
+102,233			+1,107			+93			21,184,926			367,806			1,617,520						
All states	+162,384		+1,664			-1760			All states	39,154,712		640,108			2,861,935			All states	70%	67%	
Top ten	63%		67%			-5%			Top ten	54%		57%			57%			Median	74%	79%	

Some states not reporting

Five most improved US states

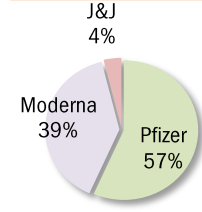
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NC	-13,656	SC	-74	GA	-255	MP	+40 bp
GA	-12,614	NC	-37	FL	-228	TN	+30 bp
SC	-11,818	MS	-34	NY	-128	AL	+20 bp
TN	-10,859	KY	-33	KY	-122	FL	+20 bp
IN	-7,796	TN	-28	TX	-122	IA	+20 bp



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	380,573,887		+0.663 million		US	51.8%	61.0%	
	One dose	% Pop	Immune	% pop	New immune today	UK	62.7%	70.4%
Total population	209,973,553	63%	178,563,118	53%	+0.290 million	France	59.3%	71.6%
Age 12 to 17	12,508,356	53%	9,495,387	40%	+0.061 million	Spain	70.6%	77.9%
Age 18 to 64	144,490,013	71%	121,998,496	60%	+0.204 million	Germany	60.1%	64.7%
Age 65 and over	51,956,771	95%	46,237,162	85%	+0.025 million	Italy	60.7%	70.6%
						Australia	27.8%	47.3%
						Israel	62.4%	68.0%
						Canada	66.8%	73.4%
						Japan	46.4%	57.4%
						Africa	2.8%	5.0%
						India	10.6%	35.7%
						Brazil	28.7%	62.9%
						China	61.6%	74.3%



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



Every American >18 immune in **164 days** by Feb 11, 2022
 65.1% of population >18 immunized
 13.3% previously tested positive
78.5% vs 60% adult herd immunity

As of Aug 31

Global data differs from sources, timing

AK
54.2%
47.2%

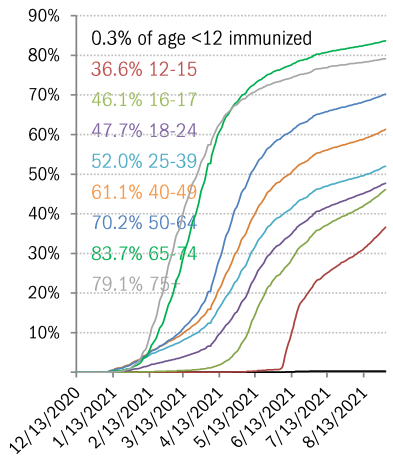
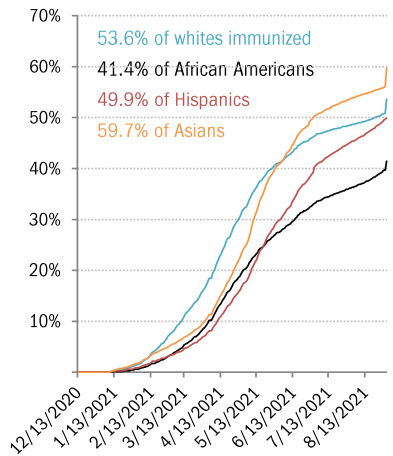
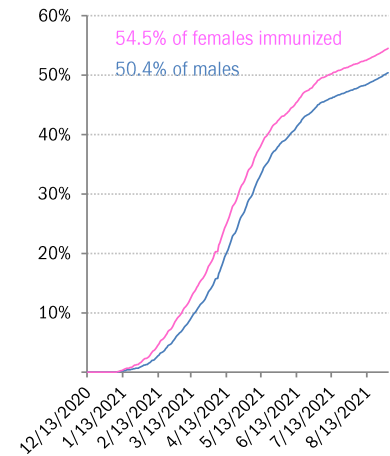
WI
58.6%
54.0%

ME
71.6%
65.8%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
67.8%	44.2%	52.2%	48.2%	61.8%	66.0%	55.2%	67.4%	76.1%	67.1%	
60.2%	39.2%	46.0%	41.7%	55.9%	51.2%	50.5%	60.1%	67.9%	59.7%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
64.0%	58.0%	45.3%	56.1%	56.3%	50.2%	52.5%	69.4%	69.9%	75.3%	
58.1%	47.8%	38.6%	49.1%	51.7%	46.3%	48.4%	55.1%	61.4%	66.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
68.9%	56.3%	63.4%	57.5%	52.7%	57.0%	47.1%	65.3%	68.2%	73.6%	71.5%
55.9%	47.5%	56.9%	52.1%	45.1%	48.5%	39.7%	57.3%	61.5%	66.0%	64.7%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	56.7%	69.9%	57.3%	53.2%	49.6%	55.7%	51.6%	67.5%	64.1%	
	47.9%	60.0%	48.3%	41.5%	41.8%	46.3%	43.4%	57.3%	55.3%	
			OK	LA	MS	AL	GA			
			53.3%	49.5%	46.3%	49.8%	50.9%			
			43.8%	41.4%	37.7%	38.3%	41.2%			
			TX					FL		PR
			57.1%					63.8%		74.1%
			47.4%					53.0%		62.9%

HI
74.1%
55.3%

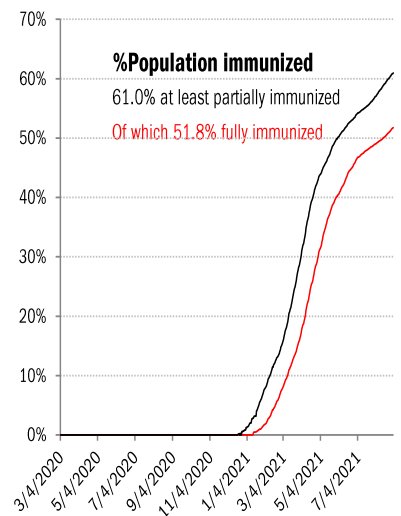
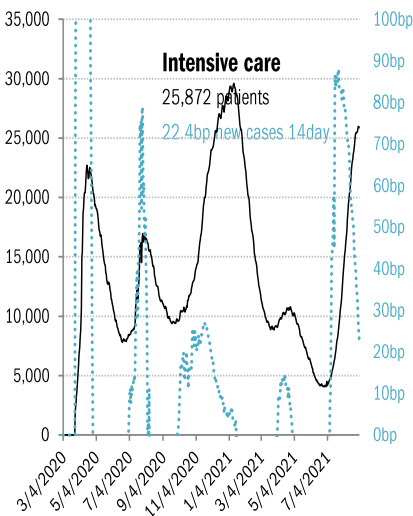
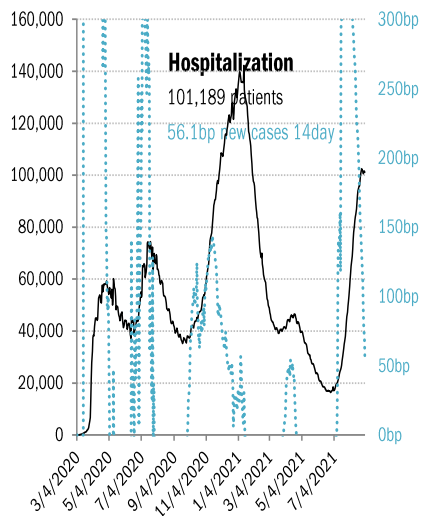
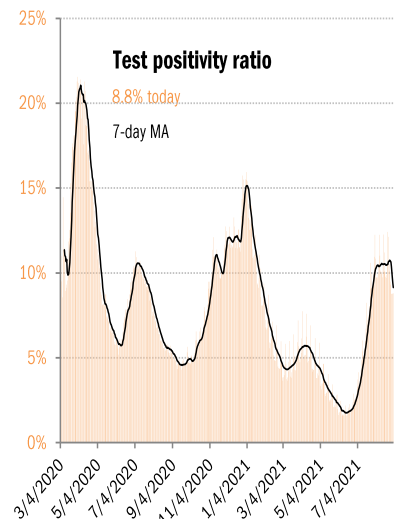
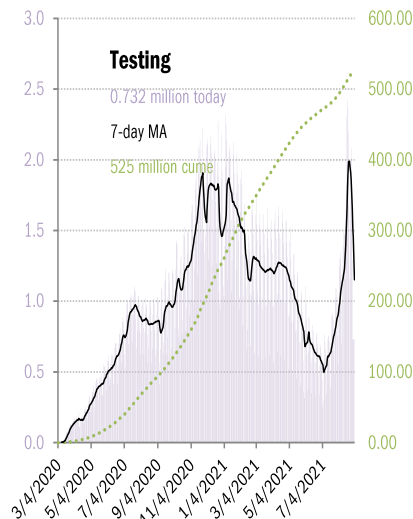
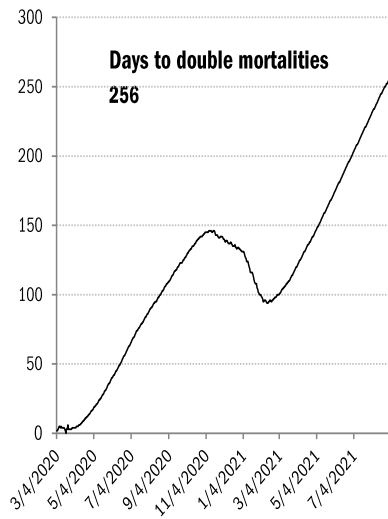
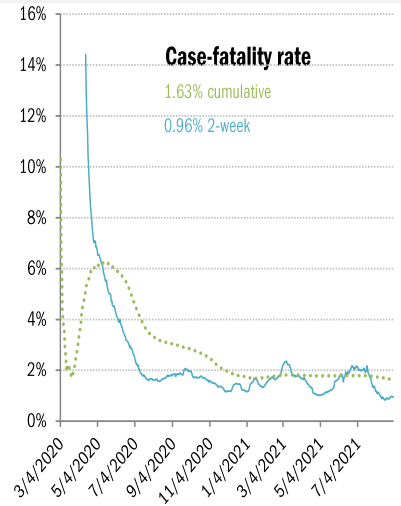
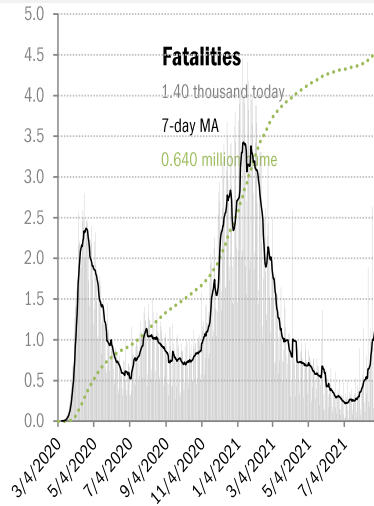
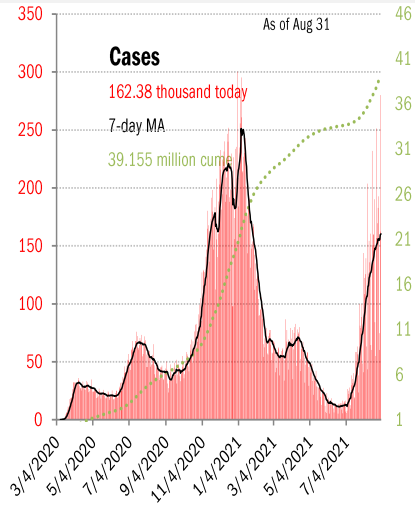
The demographics of US vaccination



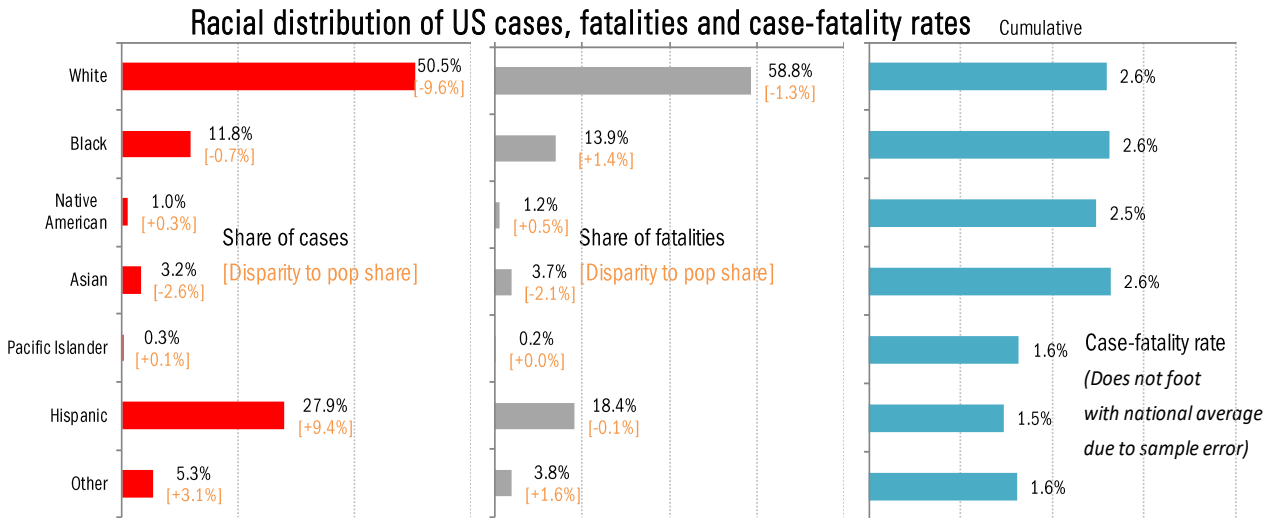
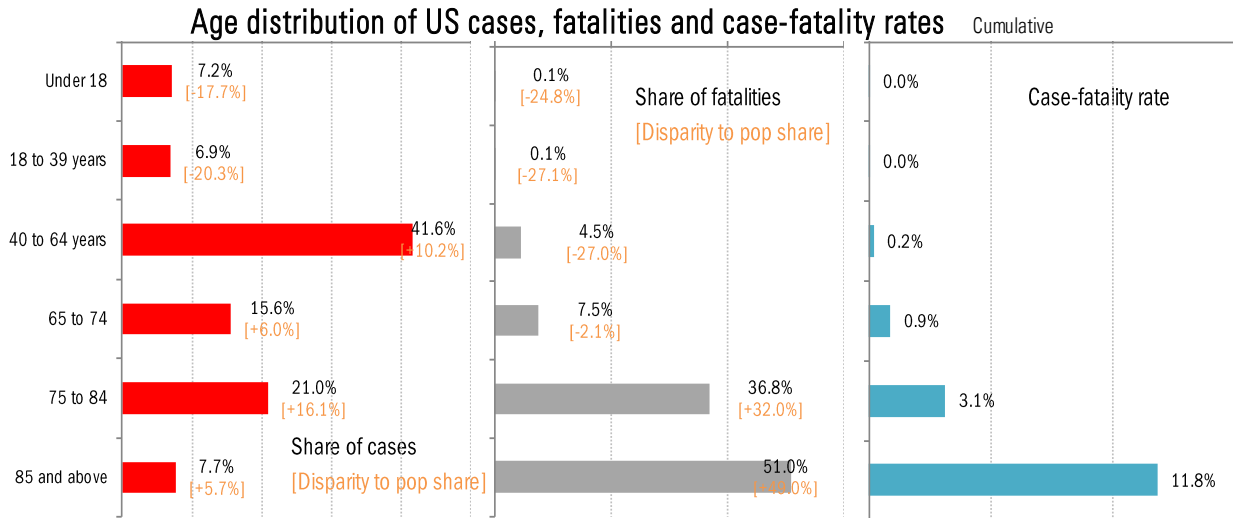
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

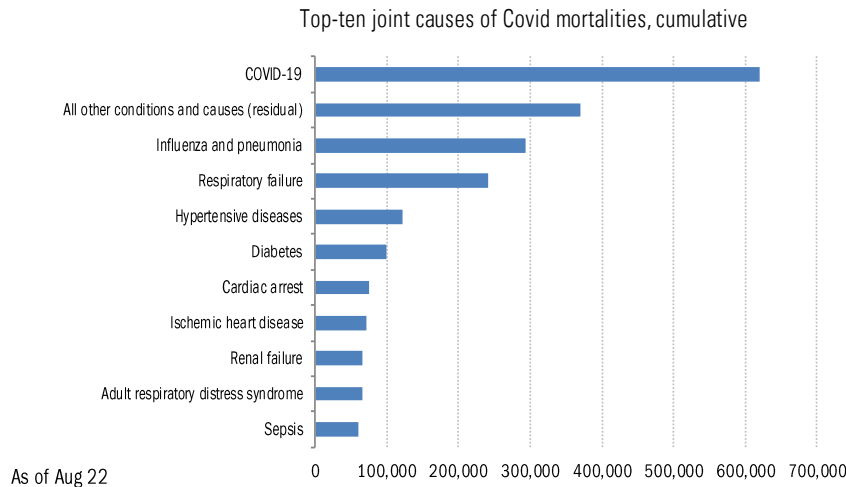
National and state-by-state data do not line up because of different sources



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

[New York and Michigan Are Still Stonewalling on Nursing Home Deaths](#)

Peter Warren and Steve Delie
Wall Street Journal
August 31, 2021

[Masks Turn Democrats in Favor of School Choice](#)

Corey A. DeAngelis
Wall Street Journal
August 31, 2021

[Using Household Rosters from Survey Data to Estimate All-cause Mortality during COVID in India](#)

Anup Malani & Sabareesh Ramachandran
NBER
August 2021

[Durability of antibody response to vaccination and surrogate neutralization of emerging variants based on SARS-CoV-2 exposure history](#)

Thomas W. McDade
Nature
August 30, 2021

[Homeschooling reaches critical mass](#)

Erica Pandey
Axios
August 31, 2021

[Distressing moment a little girl sits in her handcuffed father's lap while he pleads with officers after being arrested for not wearing a mask in a park in Sydney's Covid hotspot](#)

Tita Smith
Daily Mail
August 30, 2021

[Digital Documentation of COVID-19 Certificates: Vaccination Status](#)

World Health Organization
August 27, 2021

[WHO Issues Guidance On Digital COVID Certificates Called 'Conspiracy Theory' By Media.](#)

Wahagen Khabayan
National Pulse
August 30, 2021

[Moderna Creates Twice as Many Antibodies as Pfizer, Study Shows](#)

Jason Gale
Bloomberg
August 30, 2021

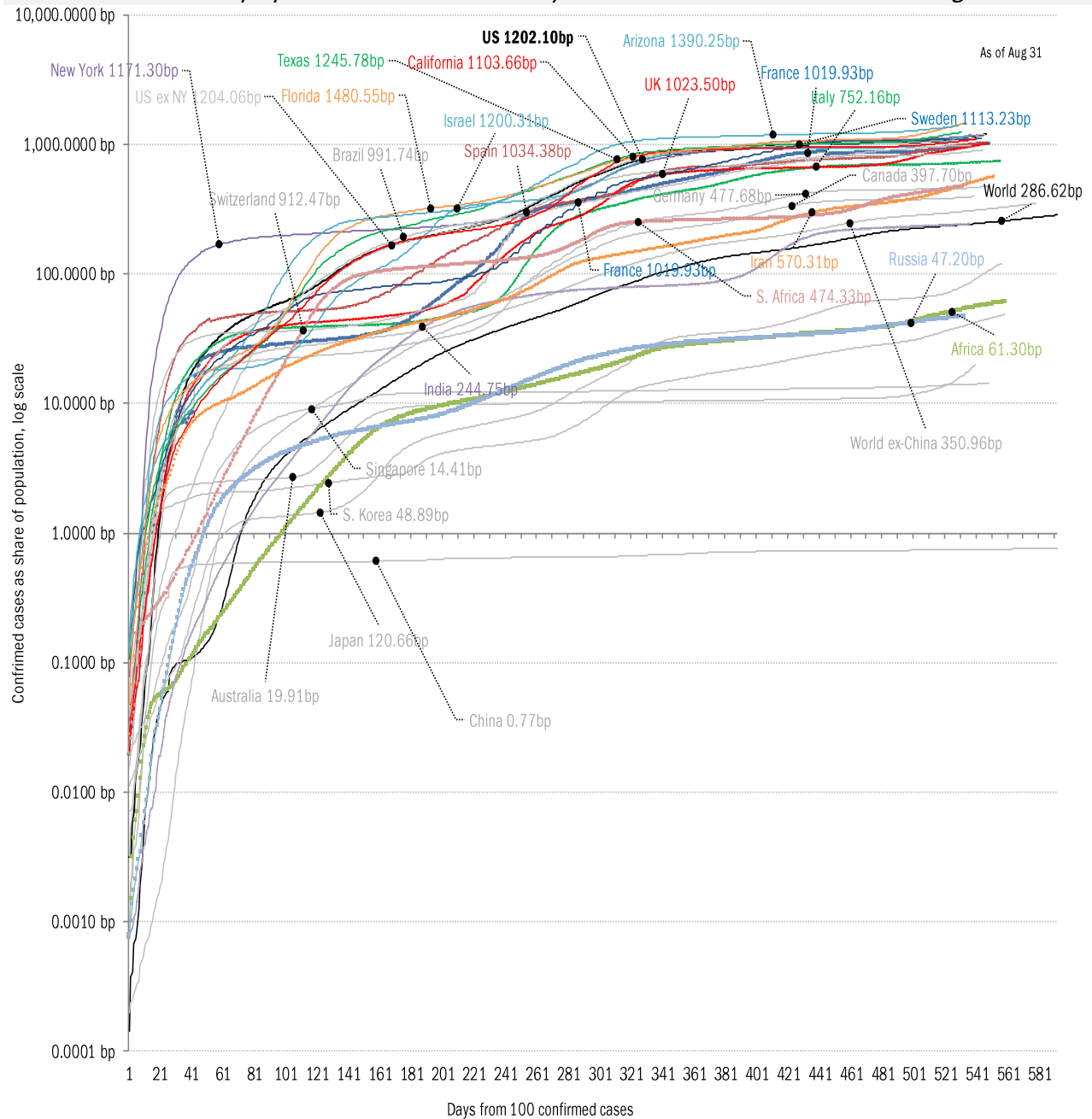
Meme of the day



Costco Introduces New 5-Gallon Family Size Pfizer Vaccine

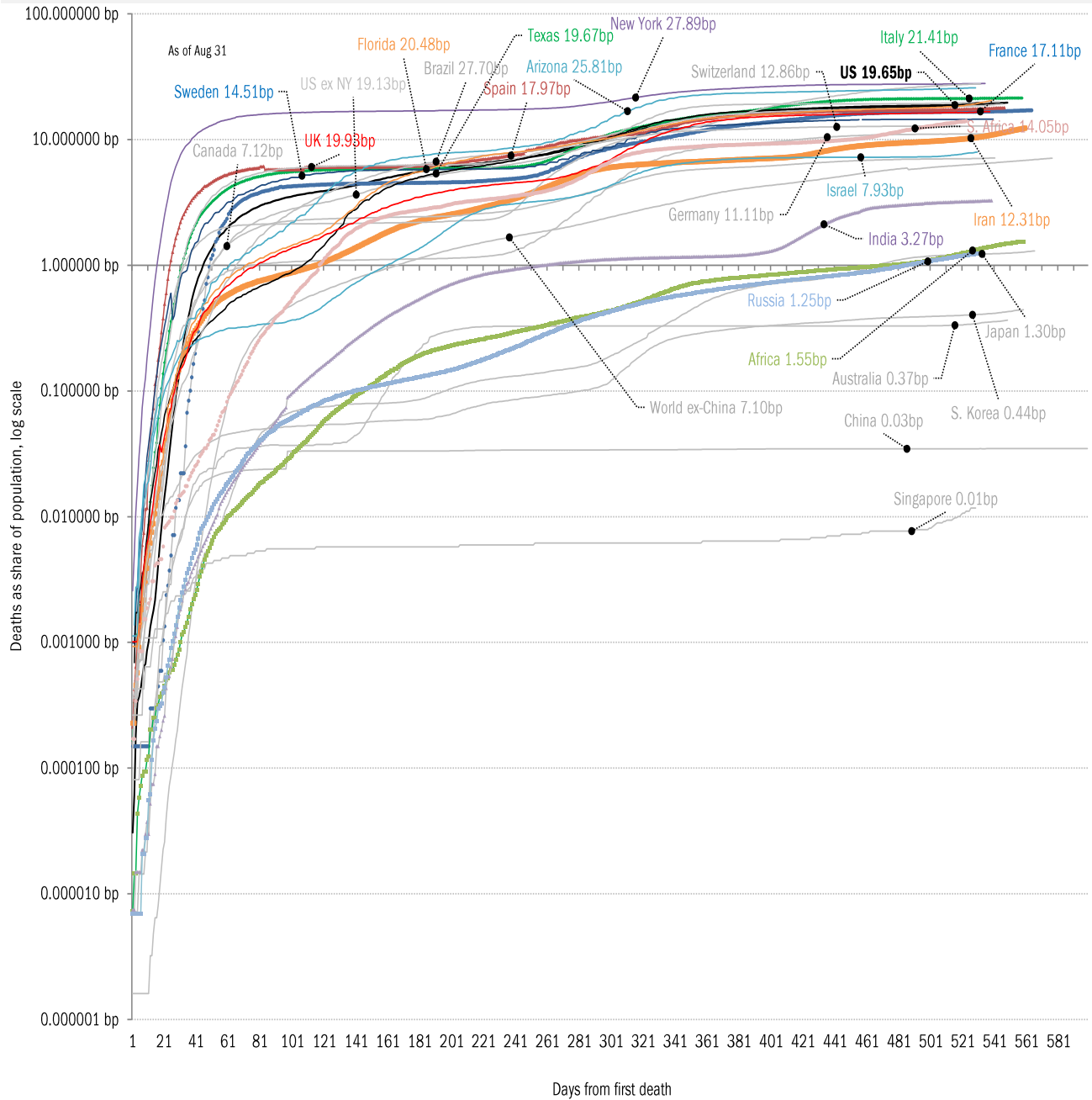
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

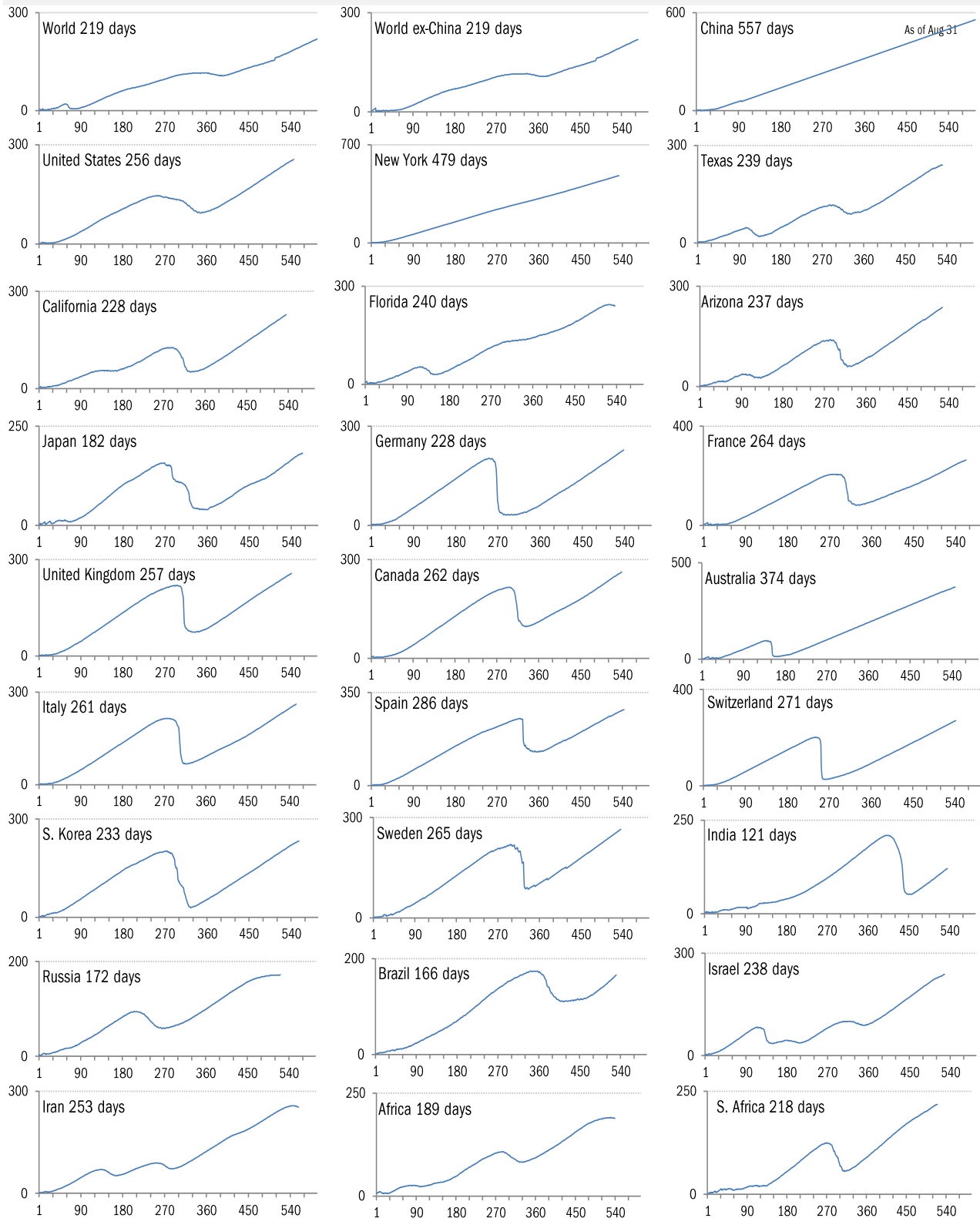


Source: [Johns Hopkins](#), TrendMacro calculations

"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

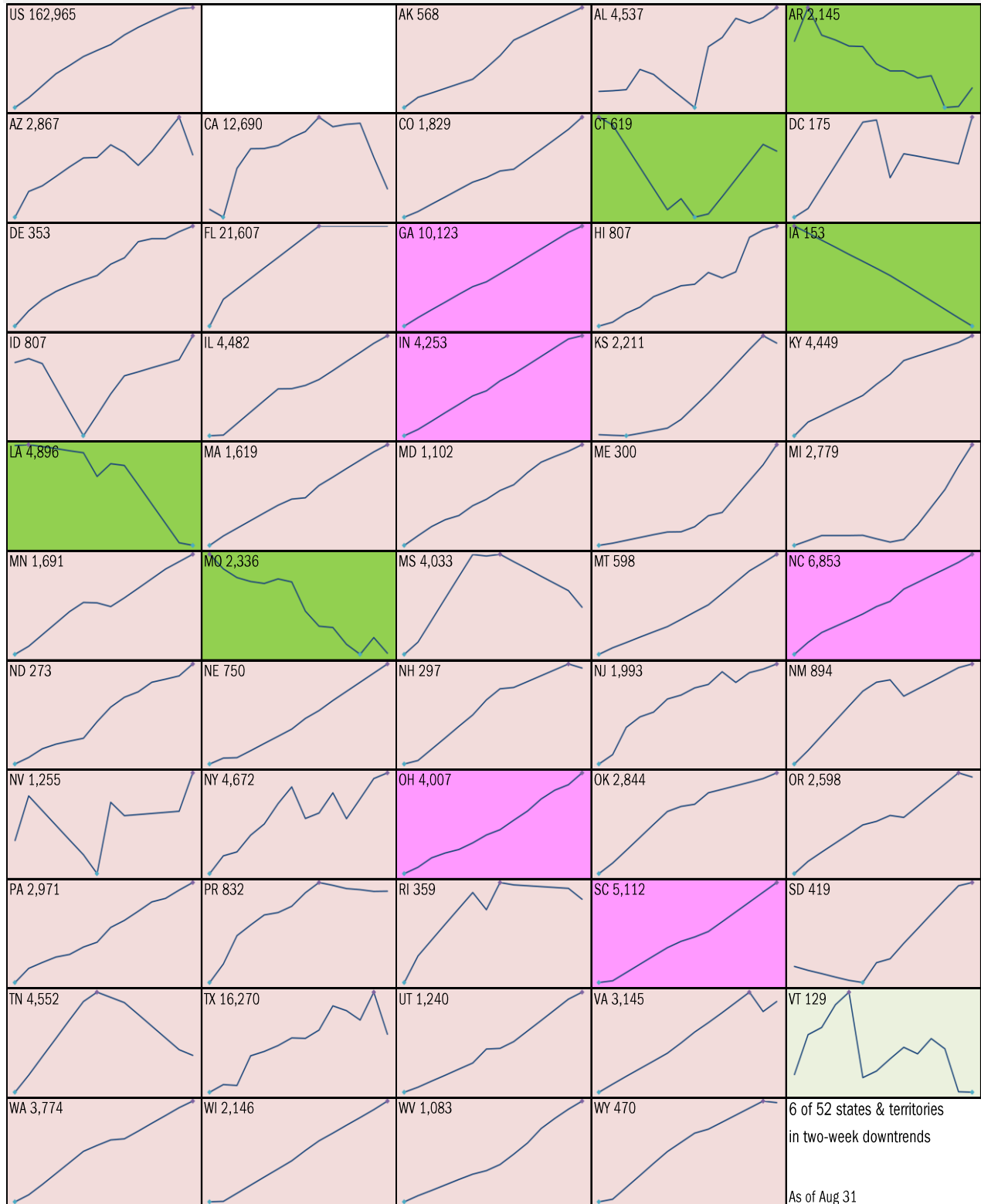


Source: [Johns Hopkins](#), TrendMacro calculations

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

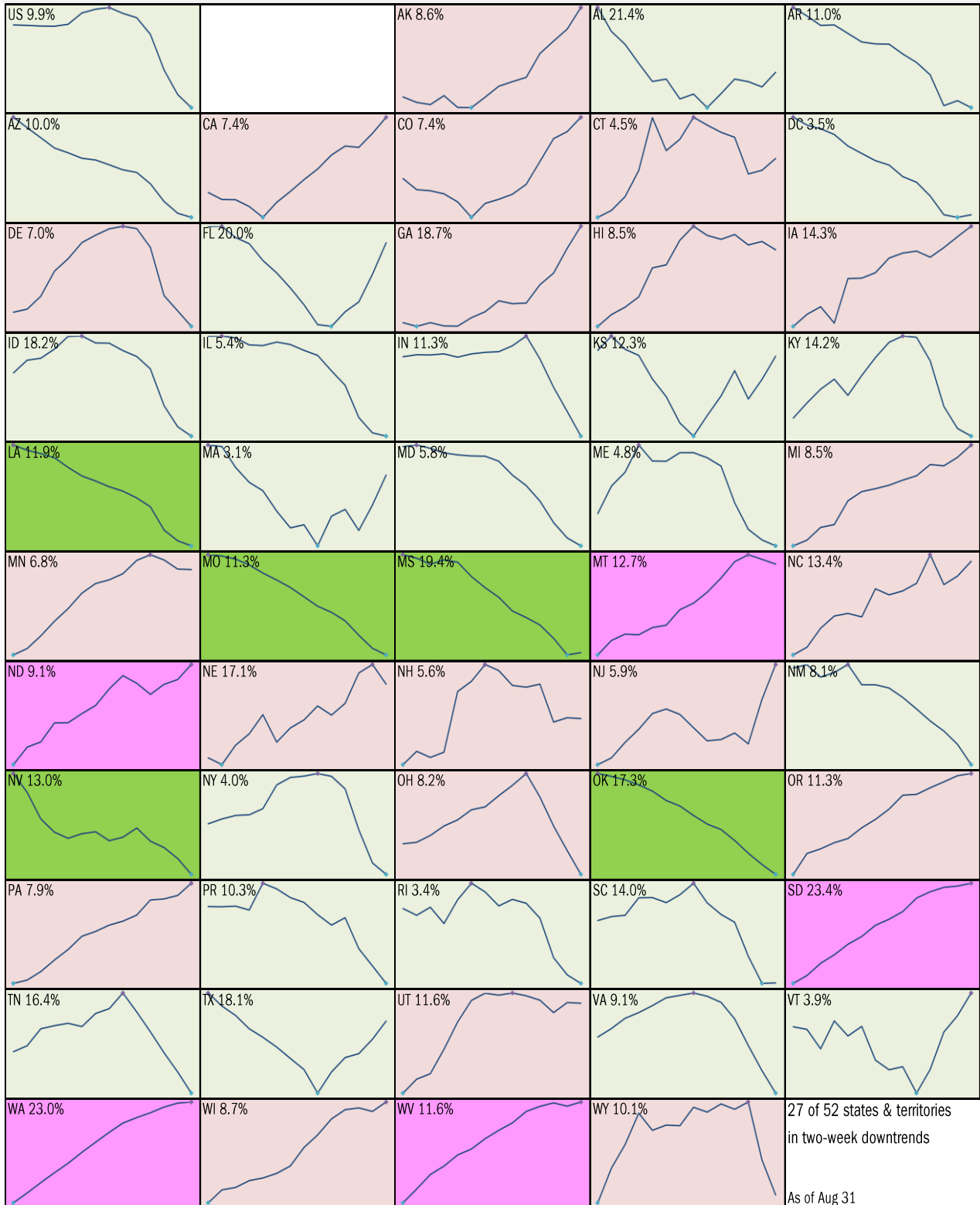


Source: [Johns Hopkins](#), TrendMacro calculations

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

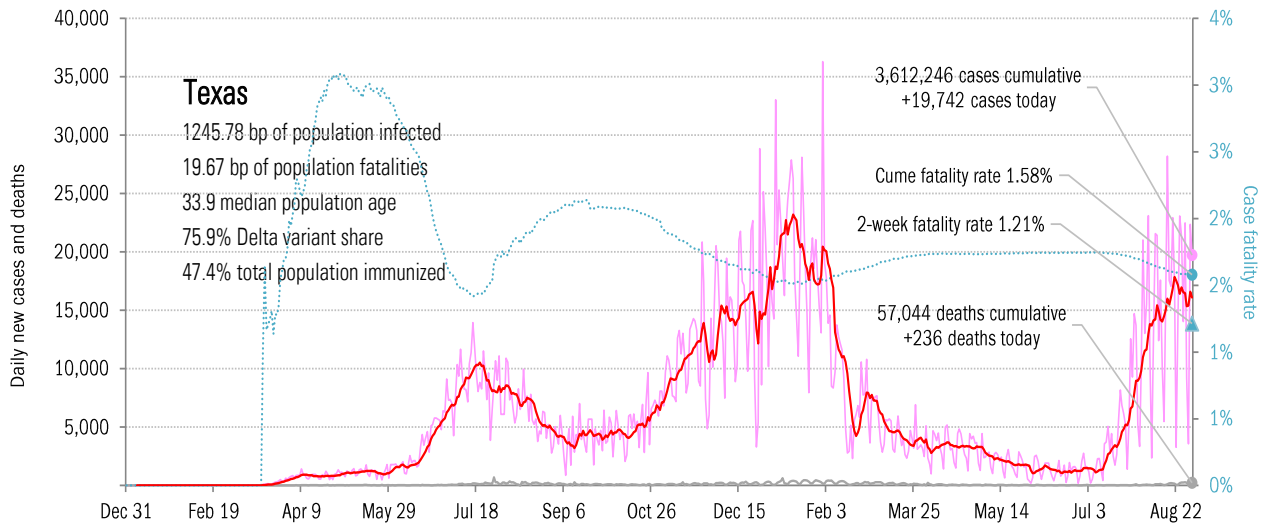
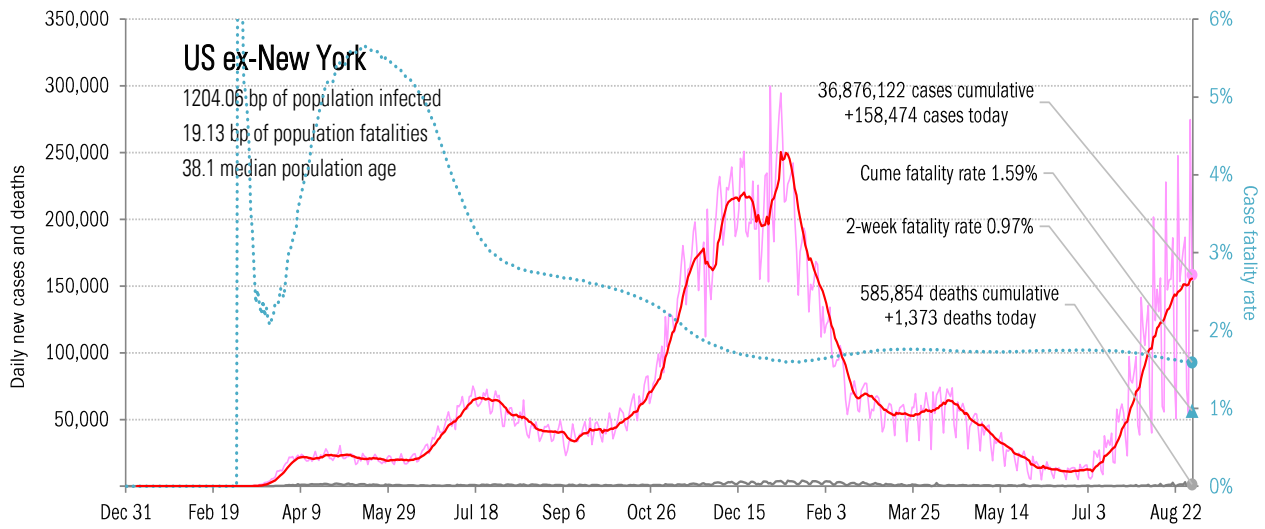
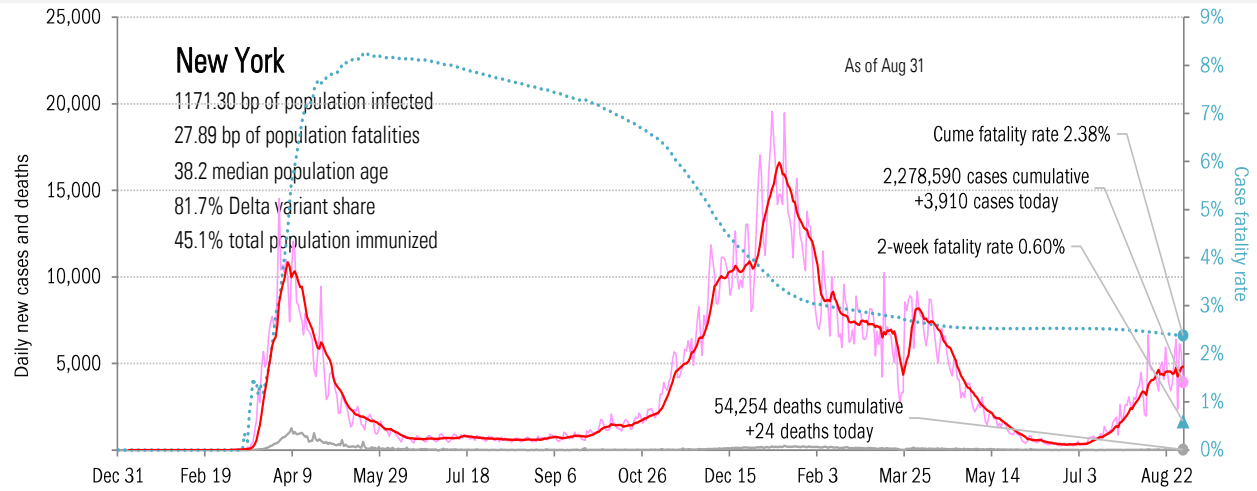
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

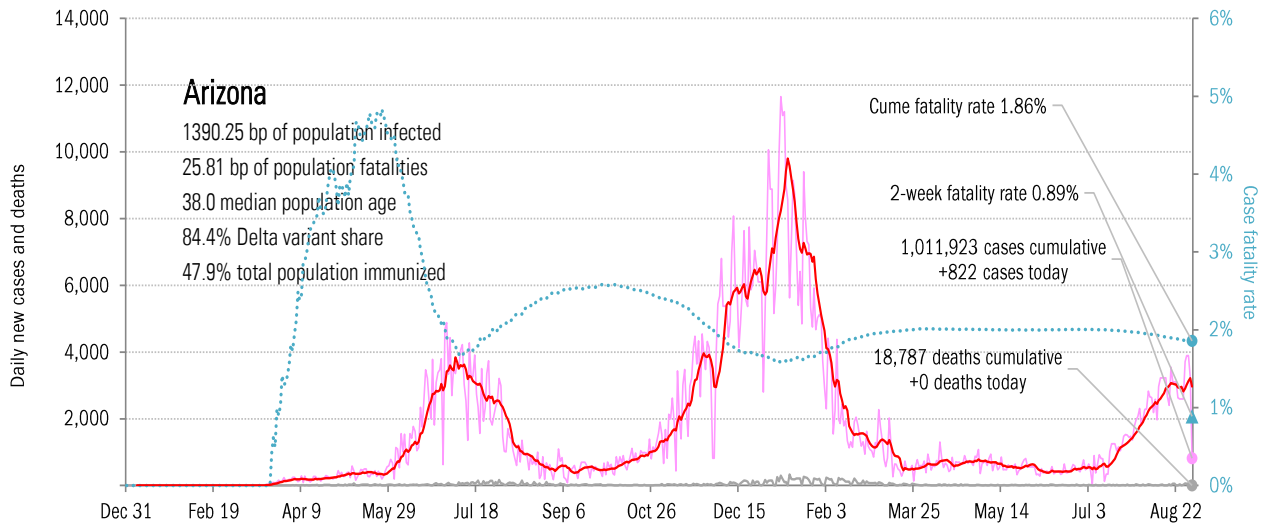
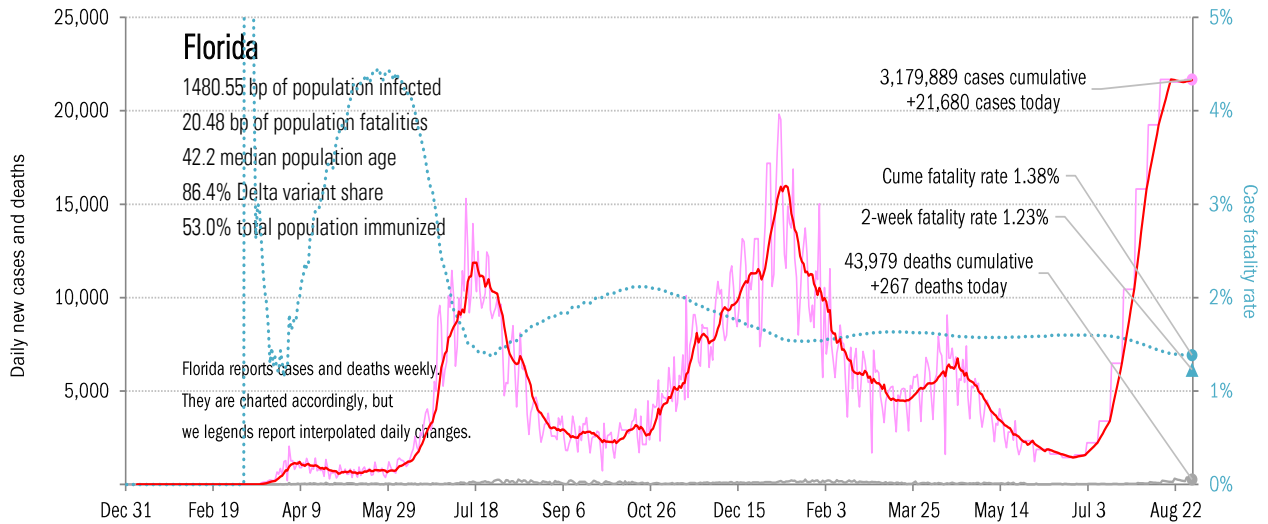
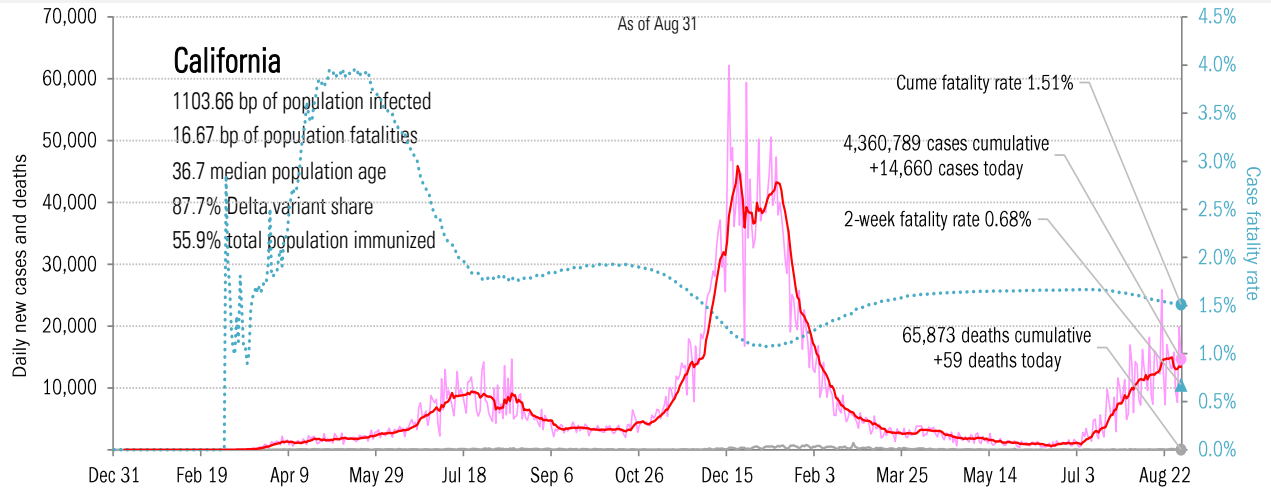
Cases: 7-day average and daily Deaths: Daily



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

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

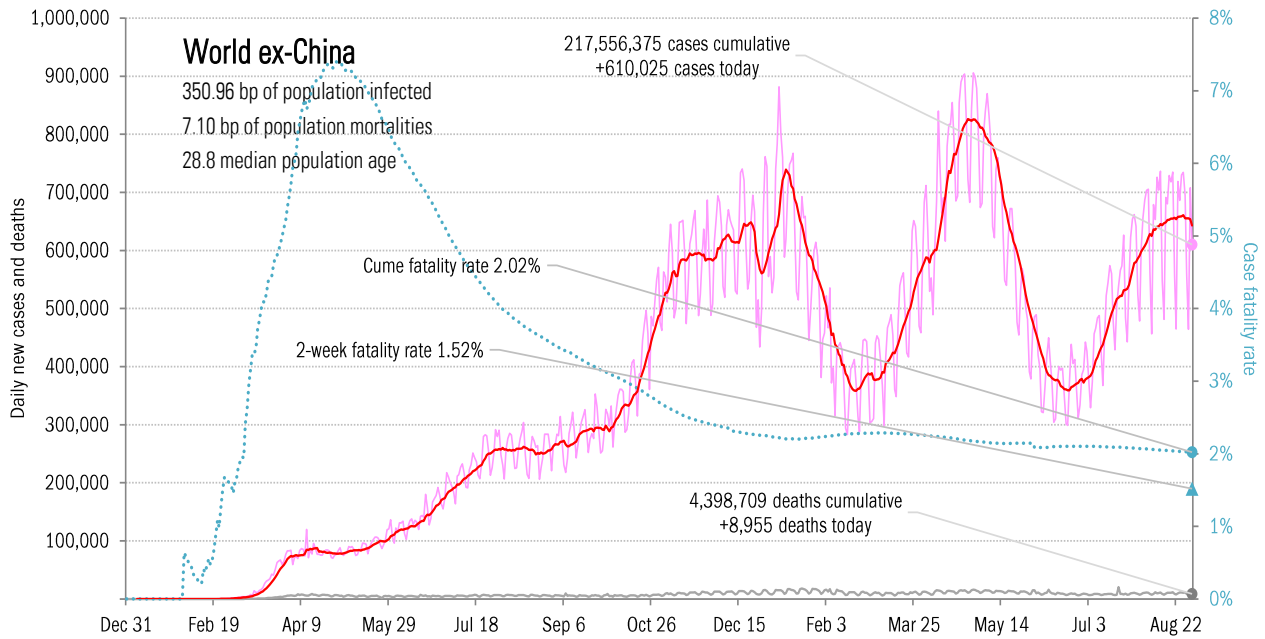
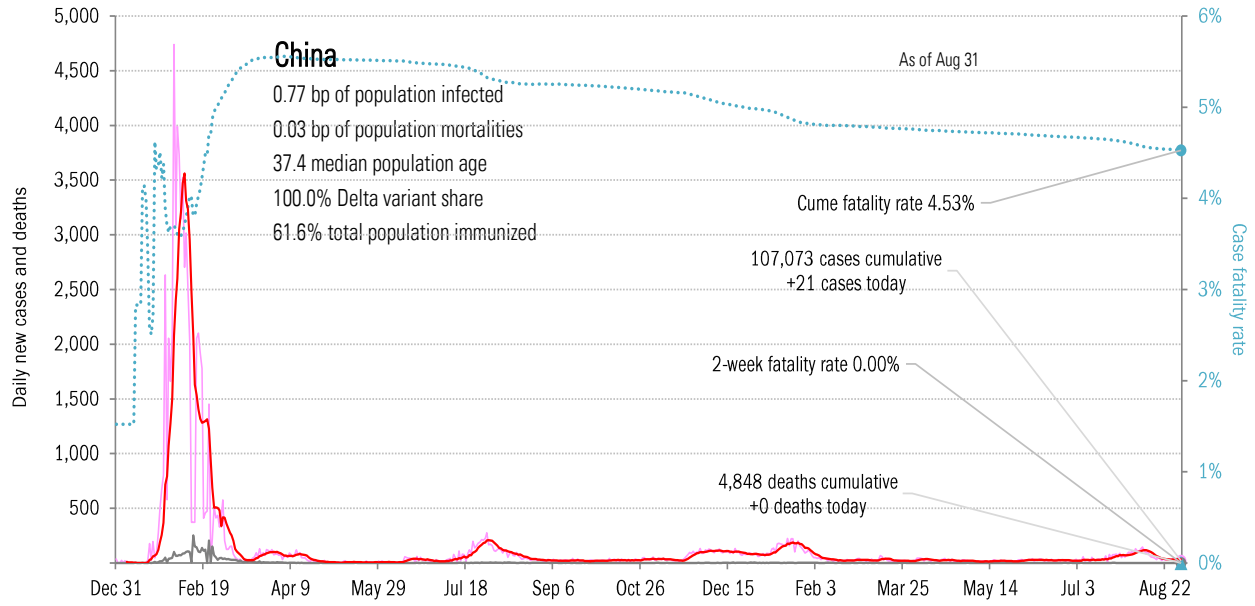
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

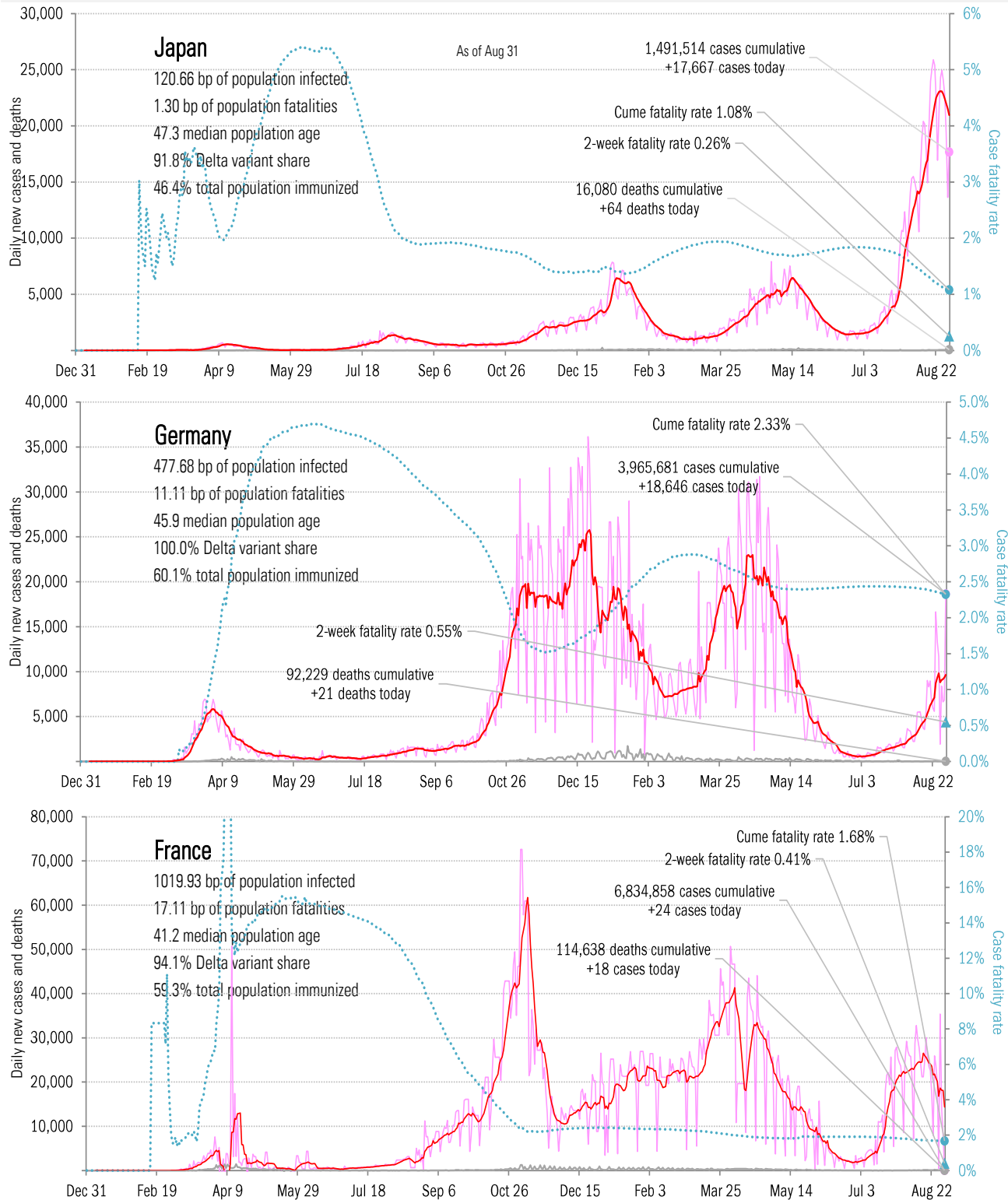
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

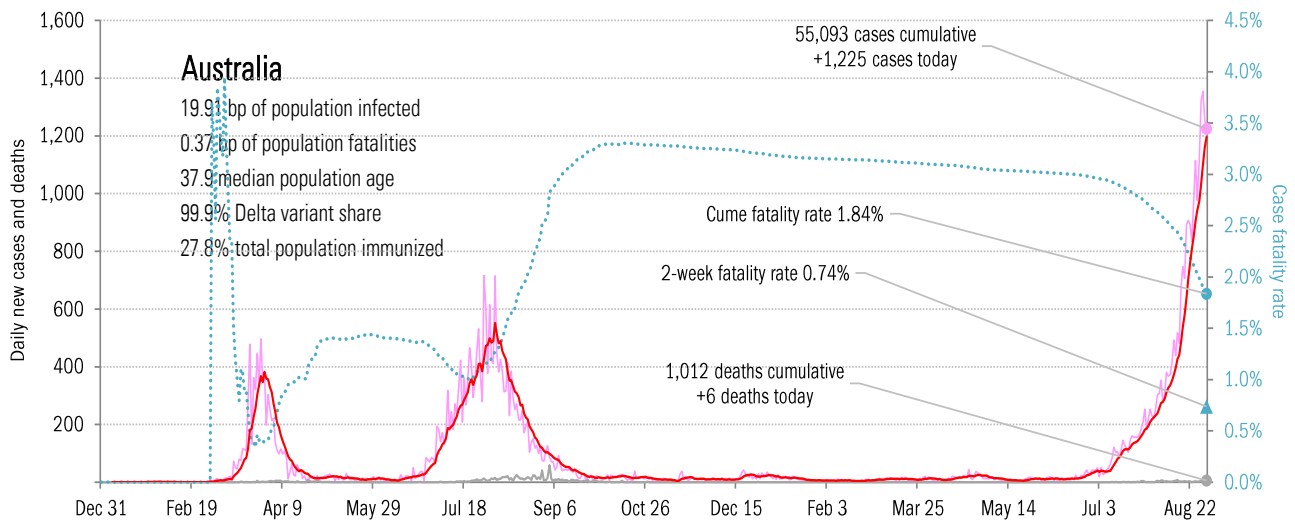
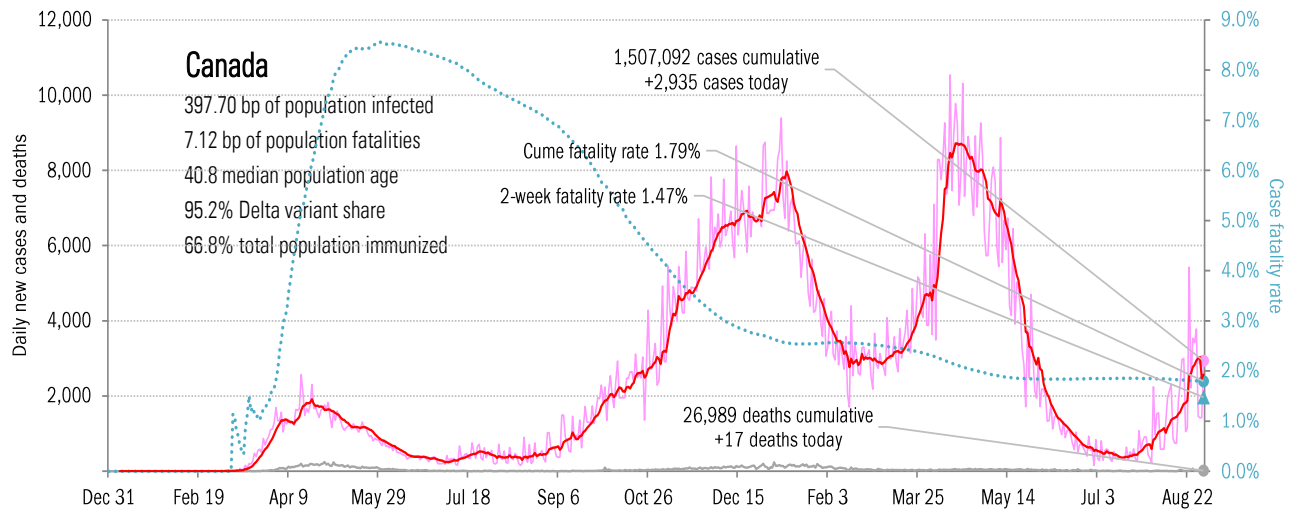
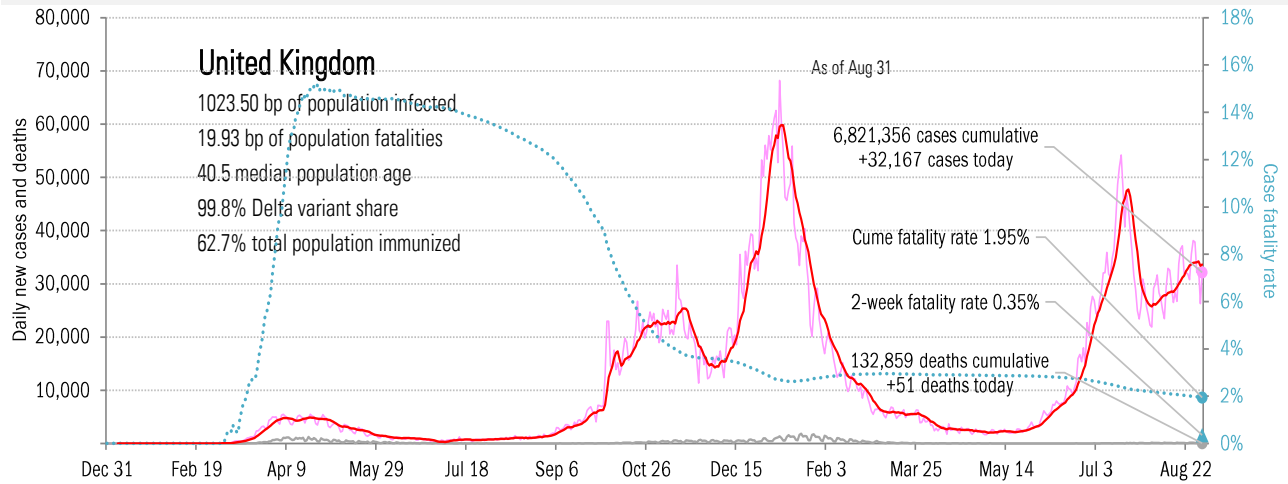
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

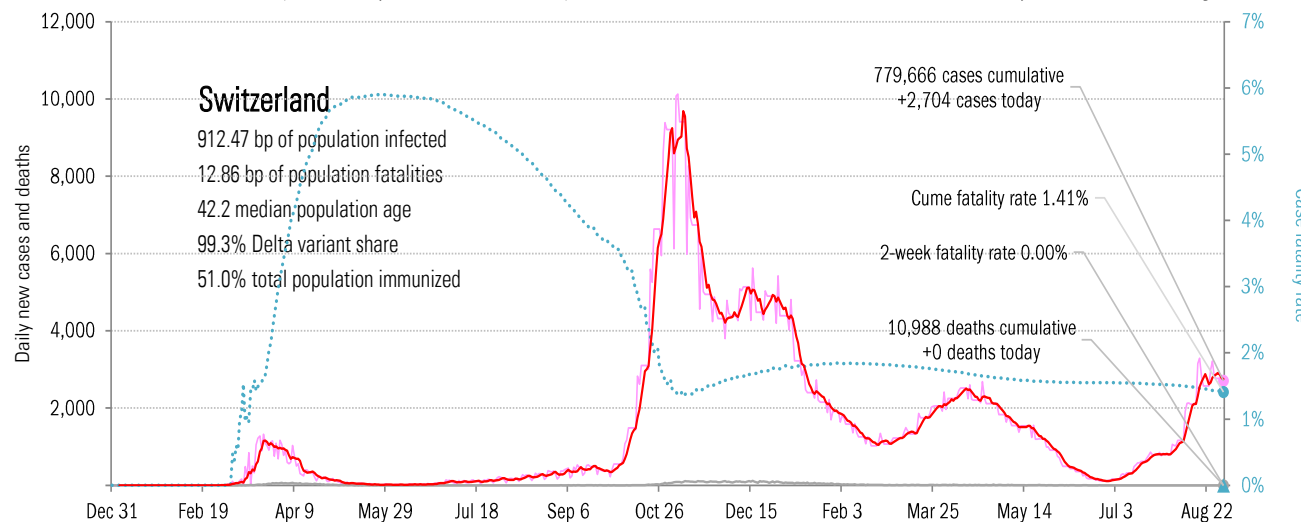
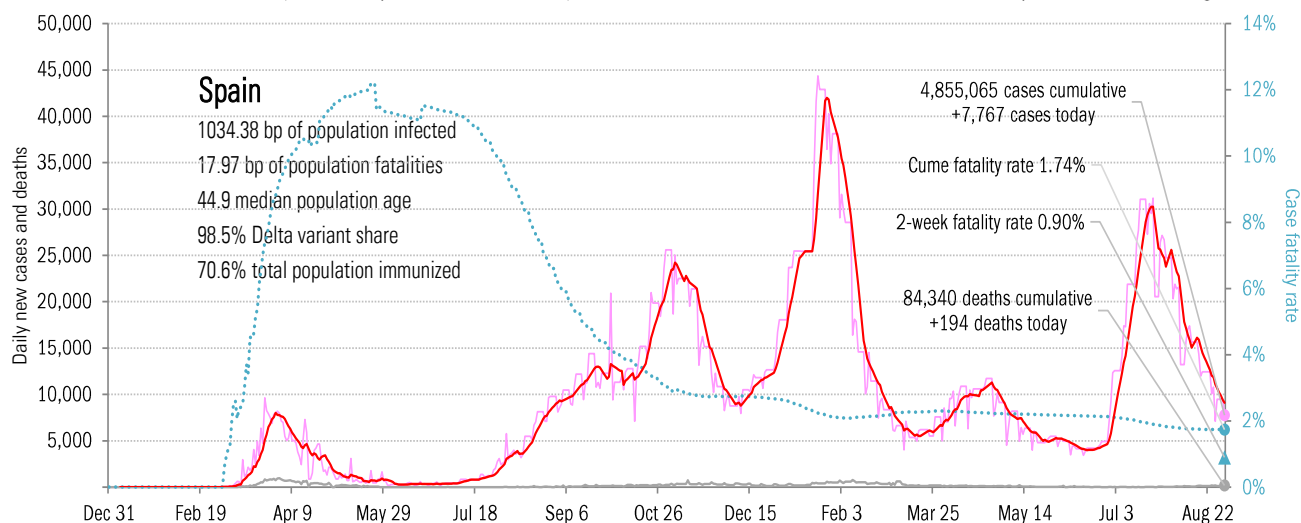
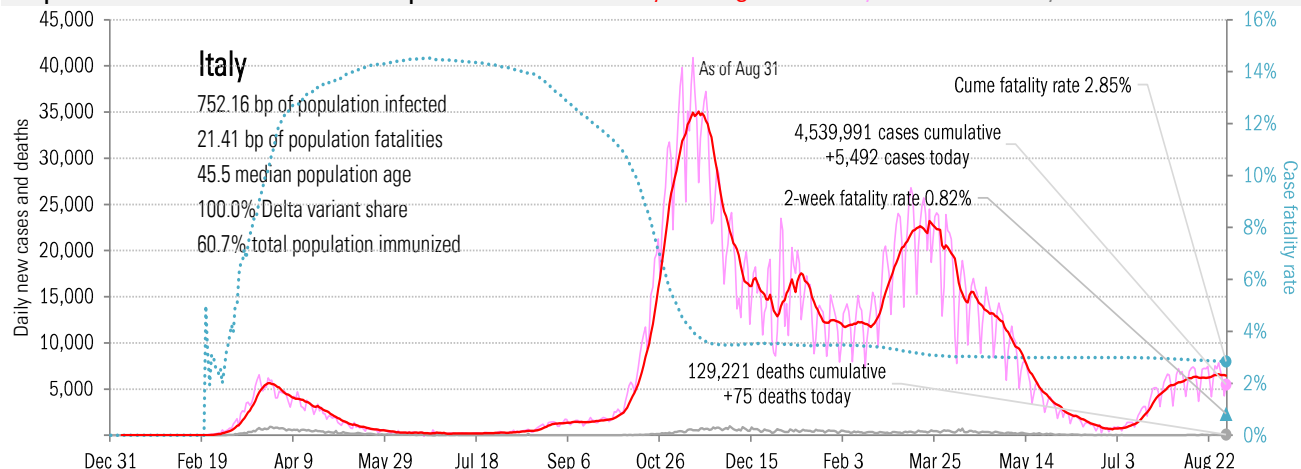
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

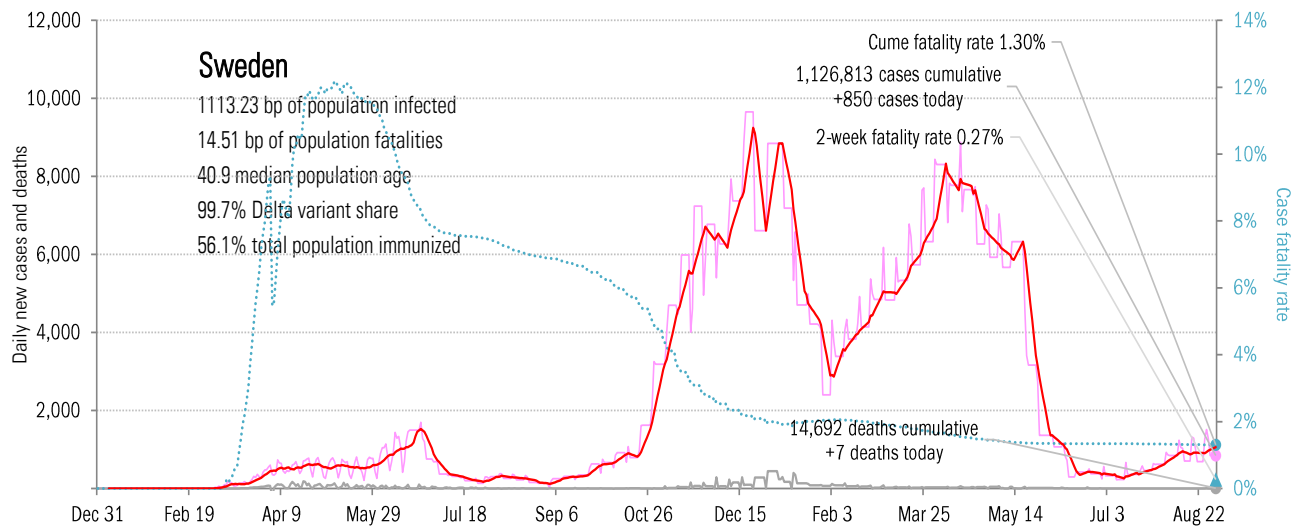
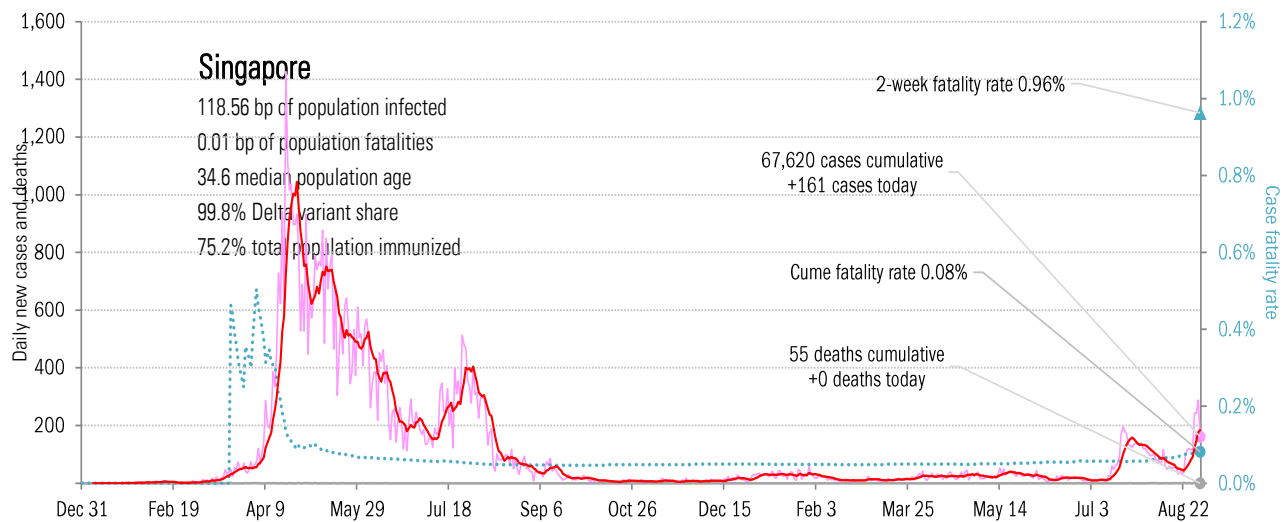
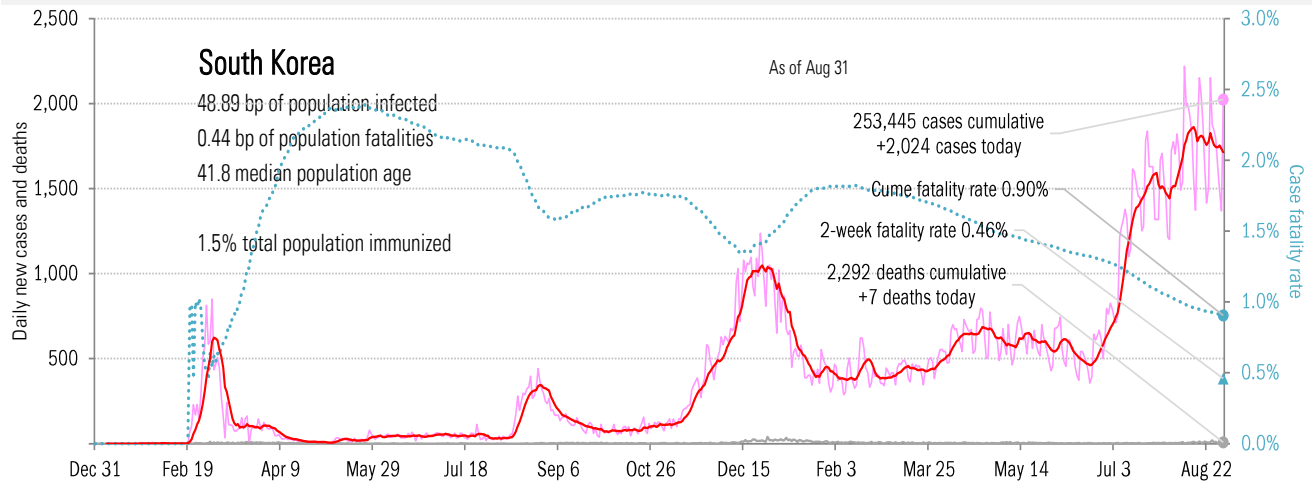
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

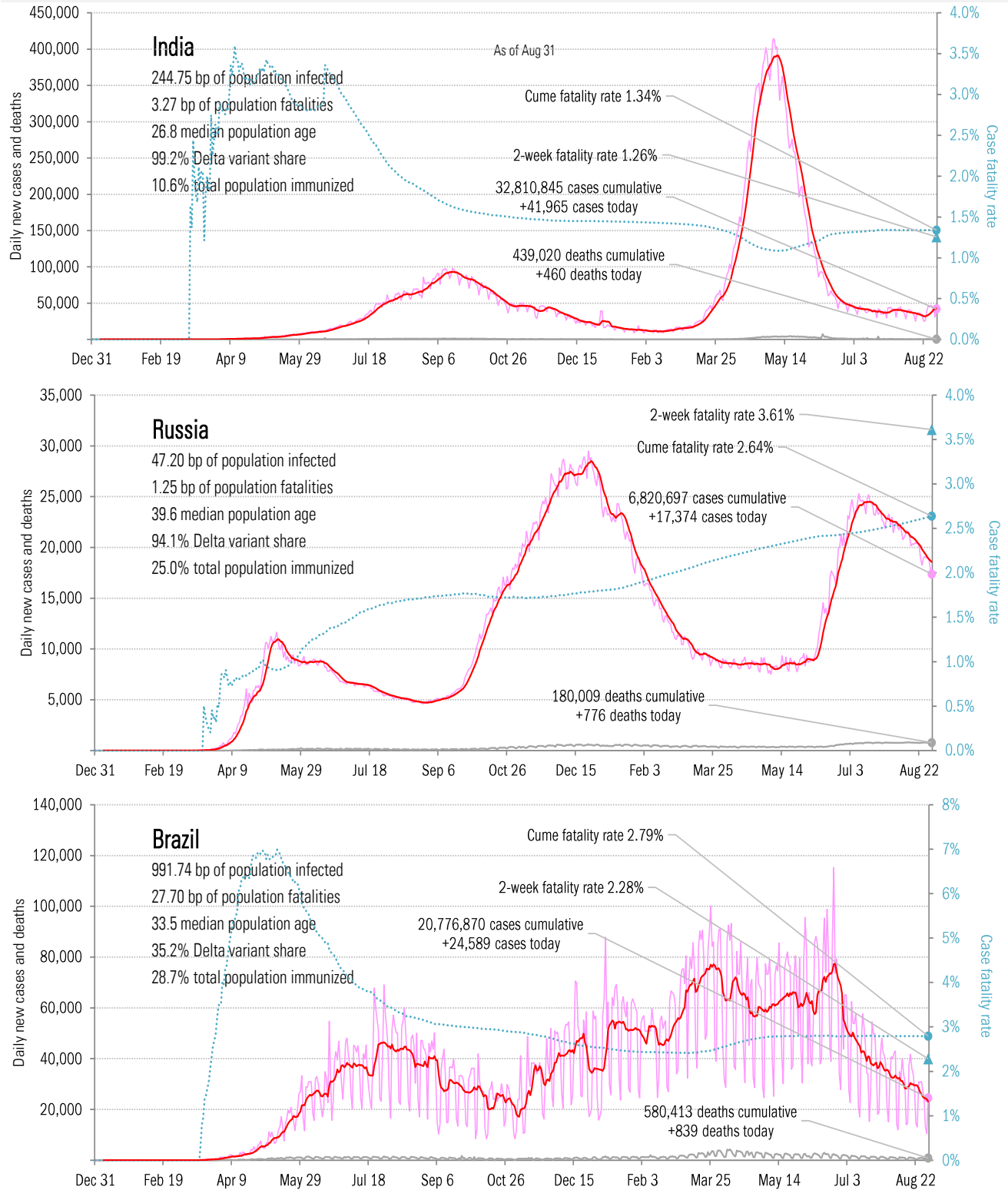
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

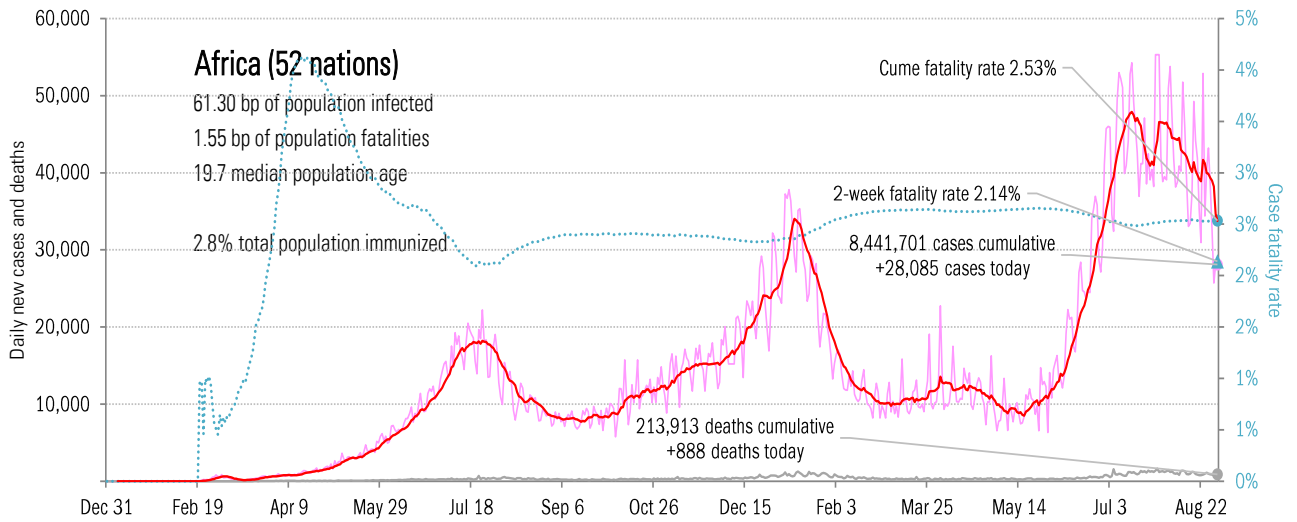
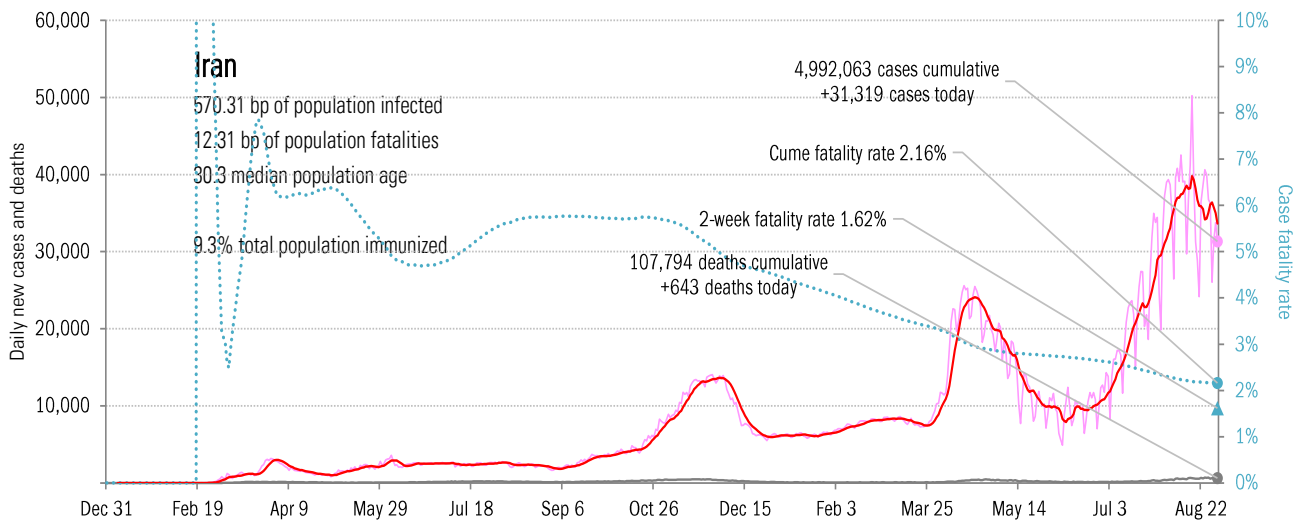
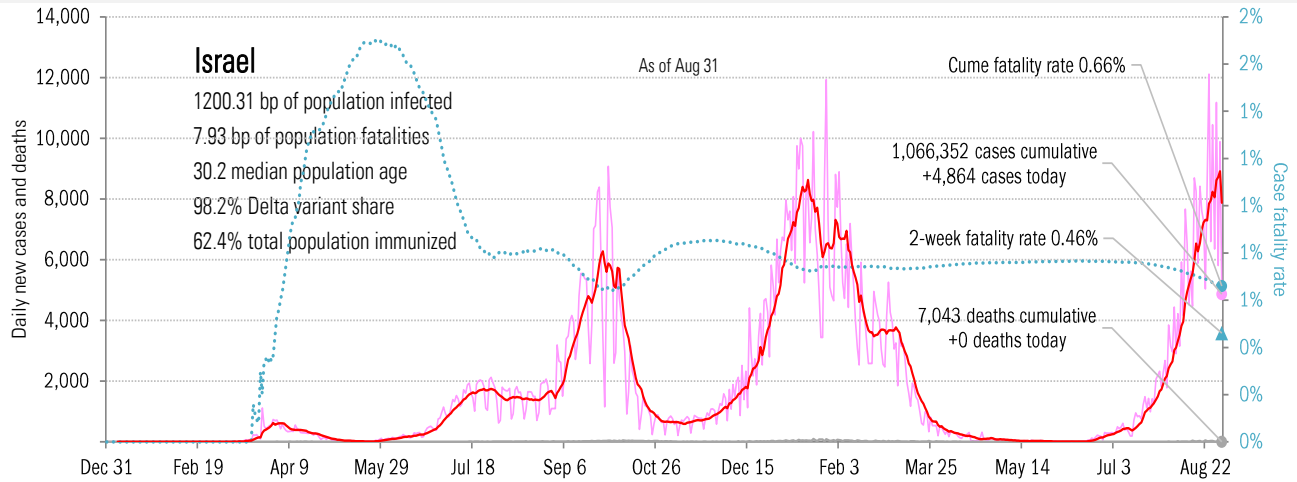
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

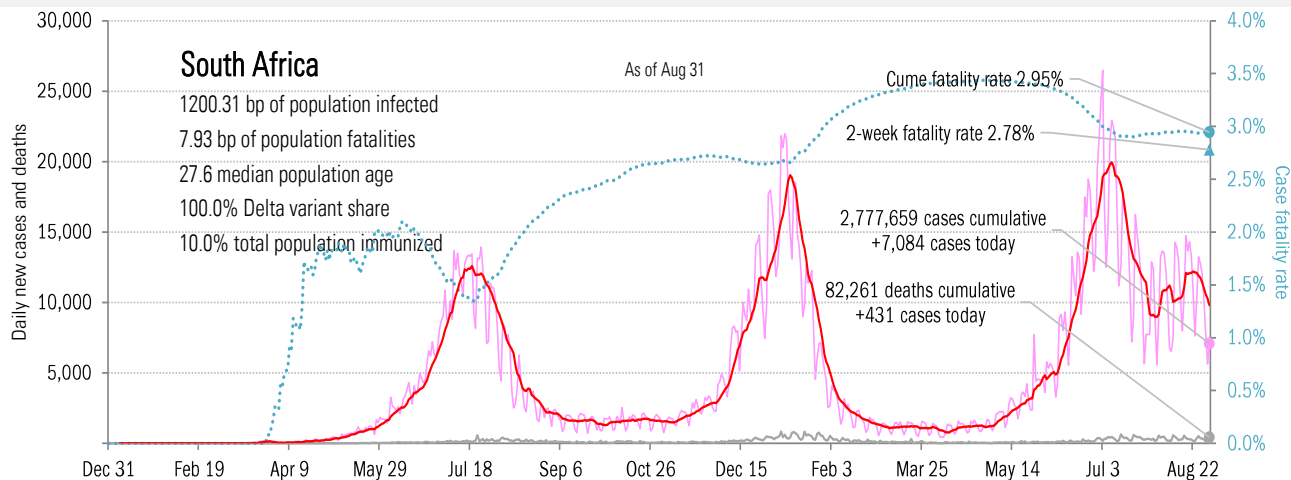
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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