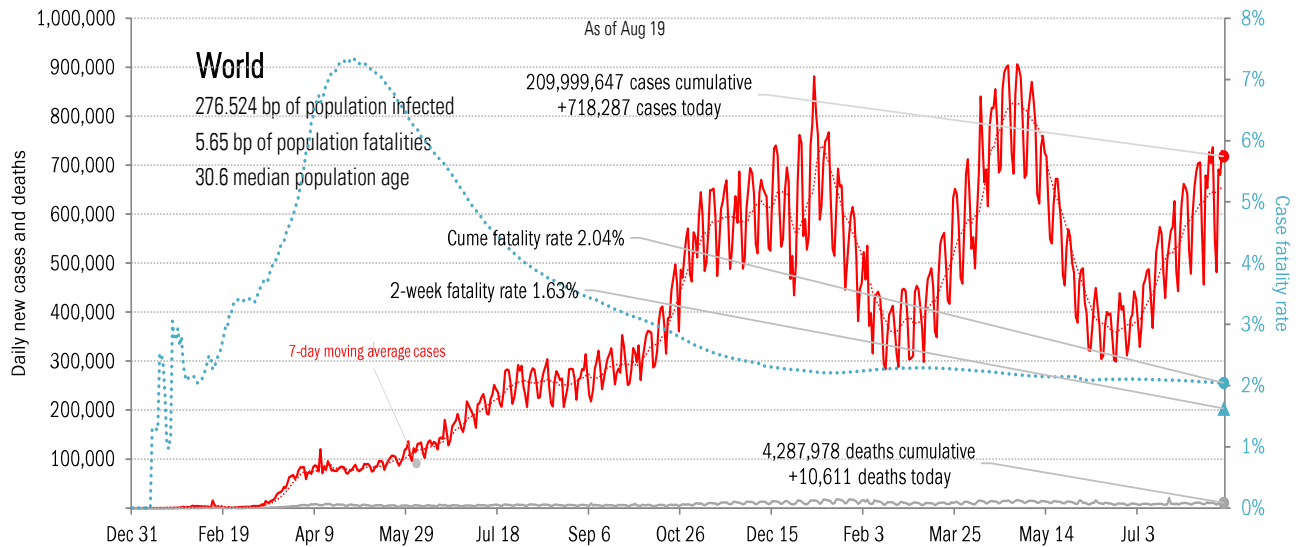
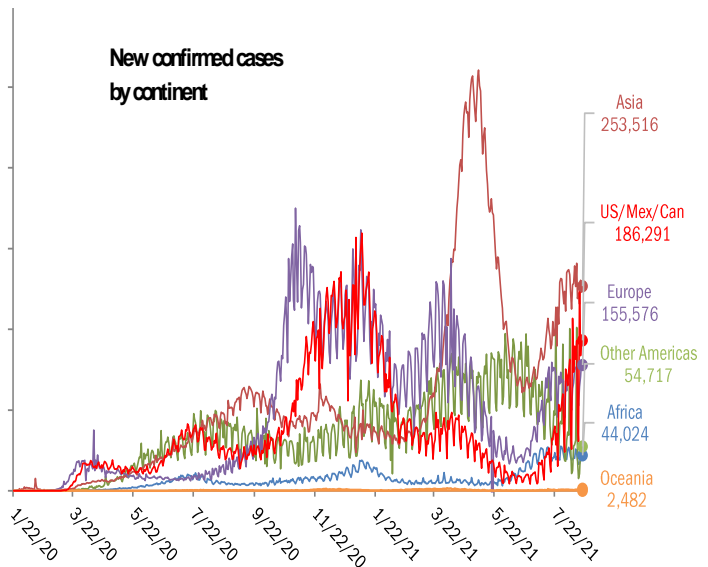


Data Insights: Covid-2019 Monitor

Friday, August 20, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+160,153	Indonesia	+1,492
India	+36,571	Brazil	+979
United Kingdom	+36,533	United States	+908
Brazil	+36,315	Mexico	+836
Iran	+31,266	Russia	+768
France	+25,389	Iran	+564
Japan	+25,073	India	+540
Mexico	+23,169	Vietnam	+380
Malaysia	+22,948	South Africa	+317
Indonesia	+22,053	Thailand	+301
+419,470		+7,085	
World	+718,287	World	+10,611
Top ten	58%	Top ten	67%



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

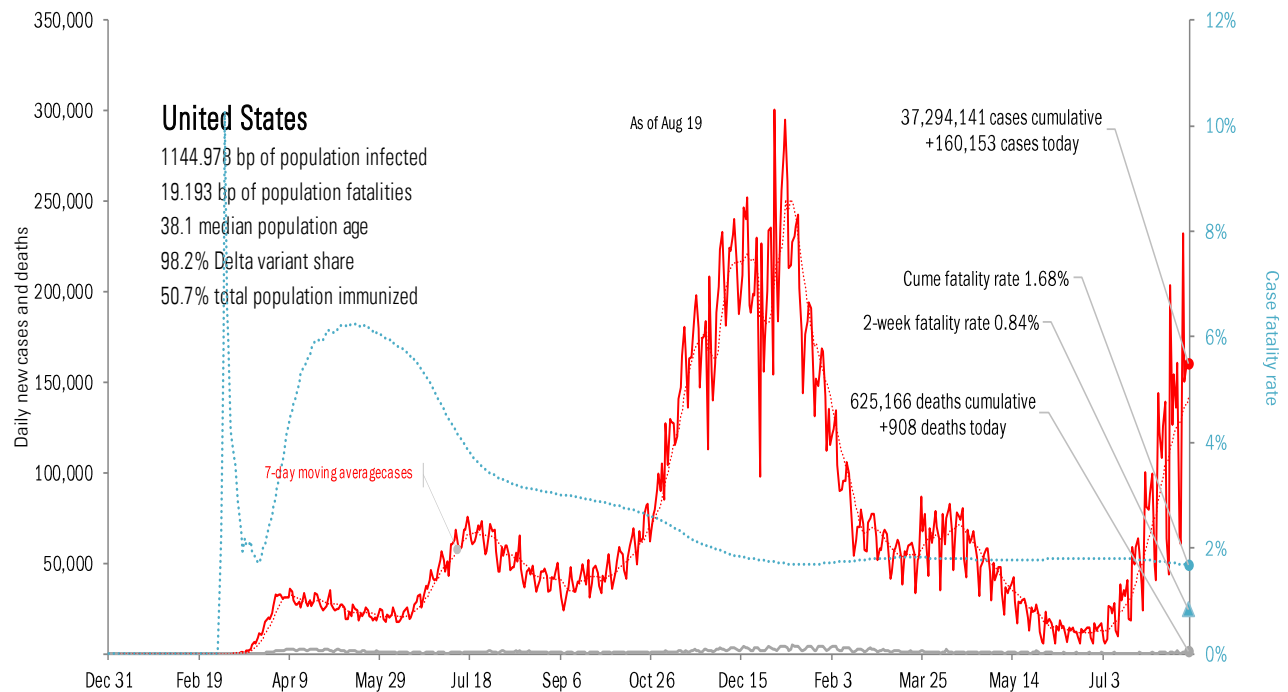
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
FL	+21,681		TX	+208		GA	+232		CA	4,188,640		CA	64,920		TX	300,246		GA	90%	MS	59%
TX	+17,073		FL	+139		CA	+172		TX	3,419,098		TX	54,863		CA	267,400		RI	87%	FL	54%
CA	+12,284		CA	+75		SC	+89		FL	2,920,749		NY	53,959		FL	254,743		FL	86%	AL	54%
GA	+9,836		LA	+58		KY	+56		NY	2,223,052		FL	40,892		NY	143,394		MA	85%	LA	52%
NC	+7,020		NC	+53		VA	+50		IL	1,477,465		PA	28,040		GA	126,340		MD	85%	AR	48%
TN	+6,351		TN	+51		OH	+44		GA	1,297,503		NJ	26,731		PA	95,718		MO	84%	GA	48%
LA	+5,550		GA	+48		WA	+42		PA	1,265,068		IL	26,132		CH	93,810		PA	83%	TX	47%
NY	+5,083		AL	+42		IL	+34		CH	1,171,557		GA	22,151		IL	89,330		NV	83%	OK	45%
KY	+4,827		SC	+42		VI	+34		NC	1,138,263		MI	21,353		KY	87,780		CT	82%	ID	42%
MS	+4,807		WA	+33		PA	+29		NJ	1,067,758		CH	20,648		MI	76,201		SC	81%	NC	40%
	+94,512			+749			+782			20,169,153			359,689			1,534,962					
All states	+160,153			+1,047			+589		All states	37,294,141			625,166			2,717,897		All states	70%		67%
Top ten	59%			72%			133%		Top ten	54%			58%			56%		Median	74%		21%

Some states not reporting

Five most improved US states

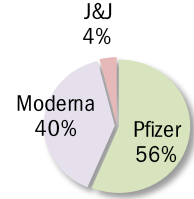
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
IA	-5,697	OK	-82	TX	-391	GA	+40 bp
MI	-3,307	MI	-49	NC	-386	OR	+30 bp
LA	-1,056	AZ	-33	AL	-190	AL	+20 bp
IL	-653	IL	-31	FL	-130	AR	+20 bp
AL	-575	LA	-29	TN	-103	FL	+20 bp



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	369,756,936		+1.039 million		US	50.7%	59.8%	
	One dose	% Pop	Immune	% pop	New immune today	UK	60.6%	69.9%
Total population	204,769,398	61%	173,966,296	52%	+0.412 million	France	54.1%	69.3%
Age 12 to 17	11,681,819	49%	8,641,433	36%	+0.078 million	Spain	65.4%	75.4%
Age 18 to 64	140,609,306	69%	118,687,070	58%	+0.286 million	Germany	58.1%	63.3%
Age 65 and over	51,485,409	94%	45,822,618	84%	+0.047 million	Italy	57.9%	68.2%



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



Every American >18 immune in **113 days** by Dec 10, 2021
 63.7% of population >18 immunized
 12.7% previously tested positive
76.4% vs 60% adult herd immunity*

Australia	22.6%	40.9%
Israel	62.8%	68.0%
Canada	65.0%	73.0%
Japan	40.0%	51.6%
Africa	2.3%	4.5%
India	9.1%	32.0%
Brazil	25.1%	58.7%
China	54.0%	43.2%

As of Aug 19

Global data differs from sources, timing

AK
53.0%
46.5%

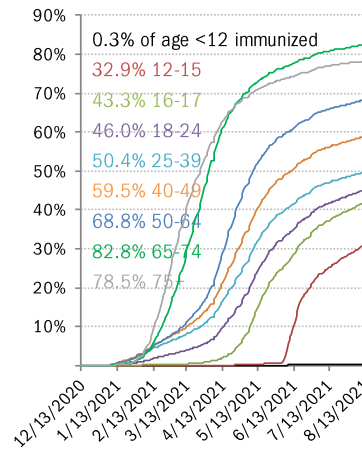
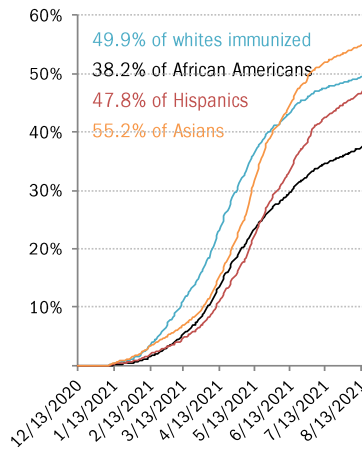
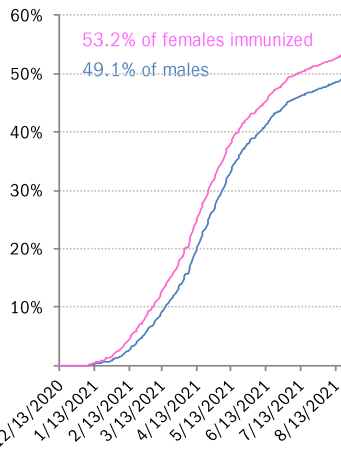
WI
57.5%
52.8%

ME
70.2%
64.9%

WA: 66.2% / 59.1%	ID: 42.9% / 38.3%	MT: 51.0% / 45.2%	ND: 47.1% / 40.9%	MN: 60.8% / 54.9%	IL: 64.7% / 50.1%	MI: 54.5% / 49.7%	NY: 65.8% / 58.8%	VT: 75.3% / 67.2%	NH: 66.2% / 59.1%	
OR: 62.5% / 57.1%	NV: 56.4% / 46.3%	WY: 43.8% / 37.7%	SD: 54.9% / 48.2%	IA: 55.2% / 50.7%	IN: 49.0% / 45.4%	OH: 51.5% / 47.5%	PA: 67.9% / 53.9%	NJ: 68.5% / 60.1%	MA: 74.3% / 65.0%	
CA: 67.4% / 54.6%	UT: 54.6% / 46.3%	CO: 62.3% / 55.8%	NE: 56.2% / 50.8%	MO: 51.2% / 43.3%	KY: 55.1% / 47.1%	WV: 46.6% / 39.4%	VA: 64.0% / 56.0%	MD: 66.9% / 60.3%	CT: 72.2% / 64.8%	RI: 70.0% / 63.4%
	AZ: 55.3% / 46.6%	NM: 67.9% / 58.6%	KS: 55.9% / 46.8%	AR: 51.4% / 39.2%	TN: 47.6% / 40.4%	NC: 53.8% / 45.0%	SC: 49.8% / 42.0%	DC: 66.2% / 56.4%	DE: 62.8% / 54.1%	
		OK: 51.2% / 41.9%	LA: 47.5% / 39.1%	MS: 44.2% / 36.2%	AL: 47.2% / 35.9%	GA: 49.4% / 40.1%				
								FL: 61.8% / 50.9%		PR: 71.5% / 61.6%

HI
73.1%
54.5%

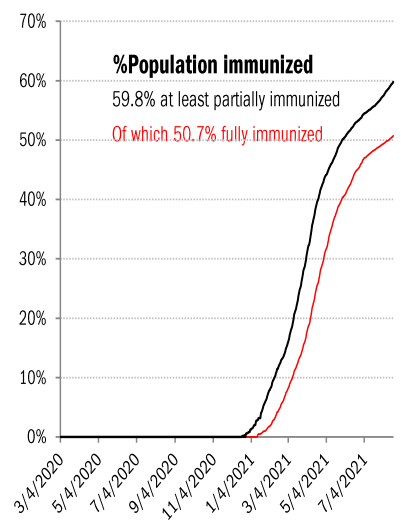
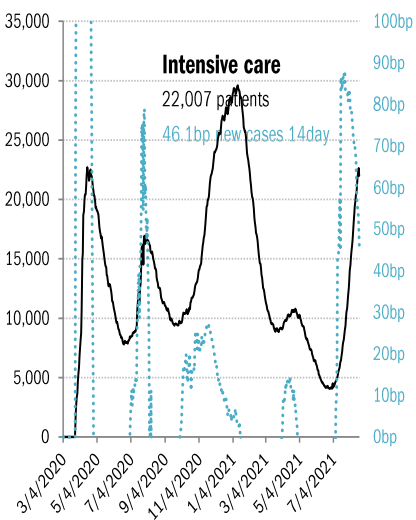
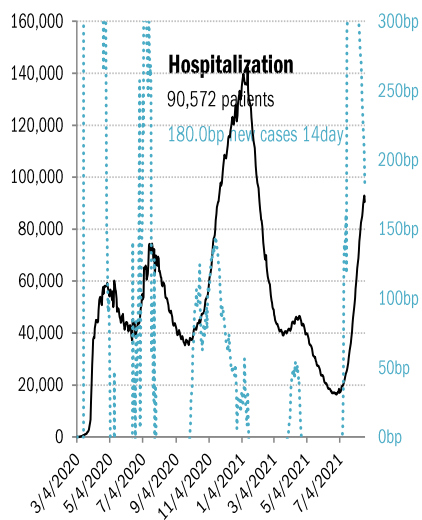
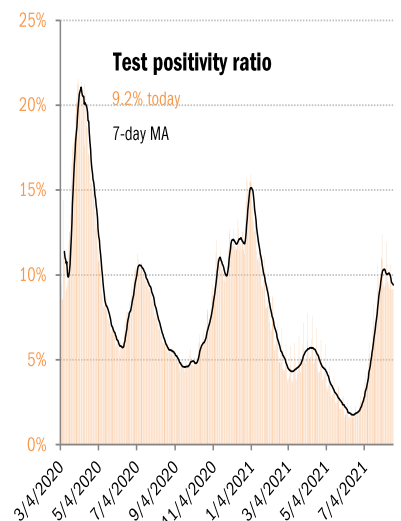
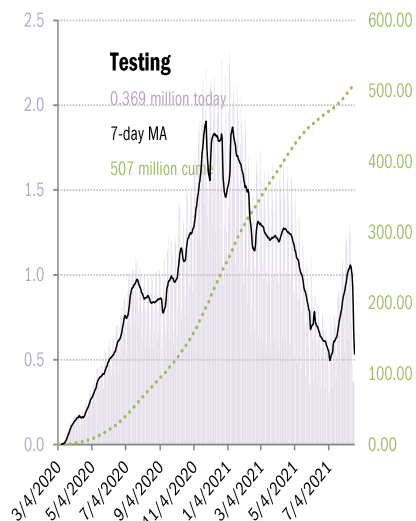
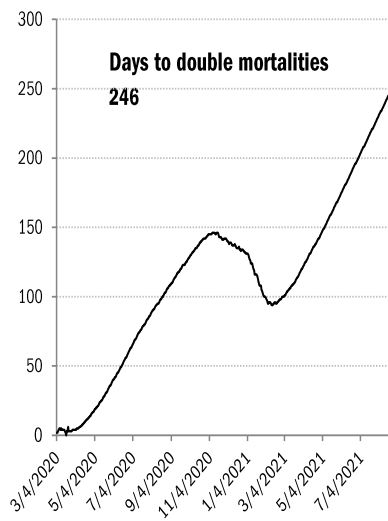
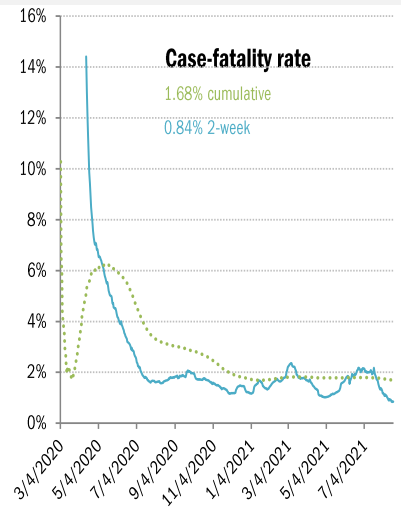
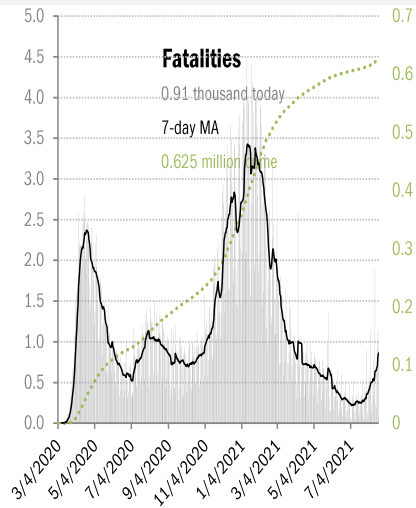
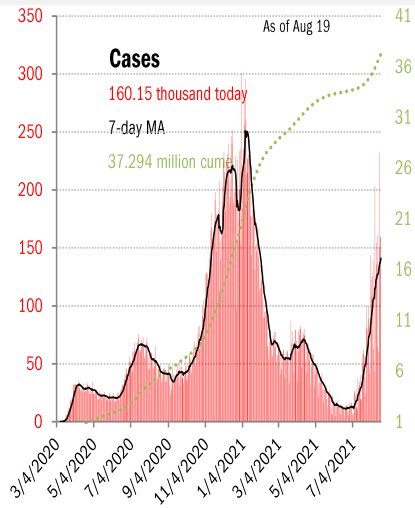
The demographics of US vaccination



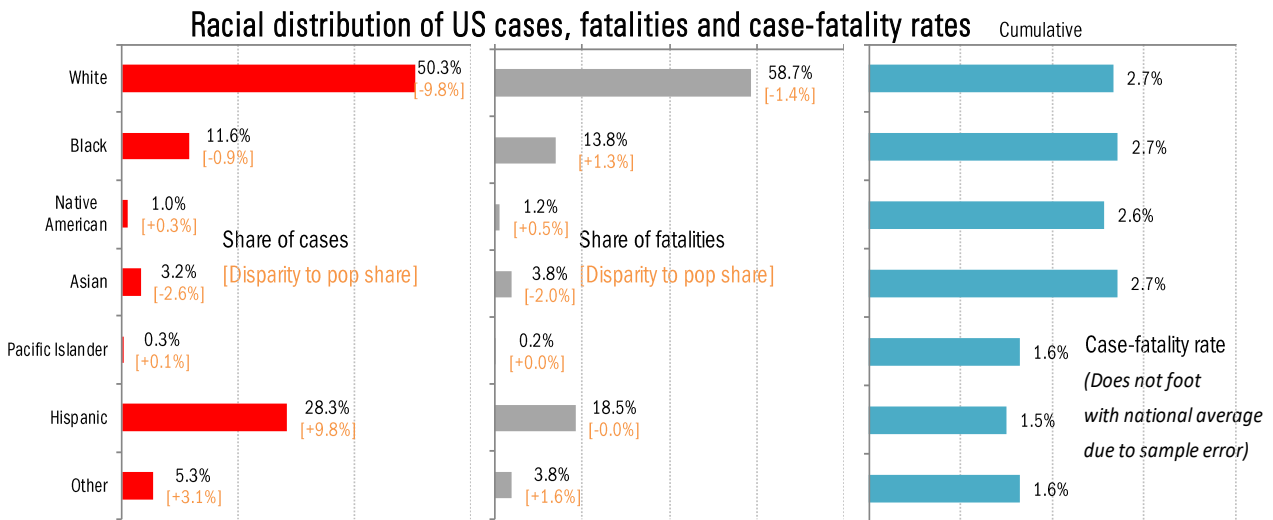
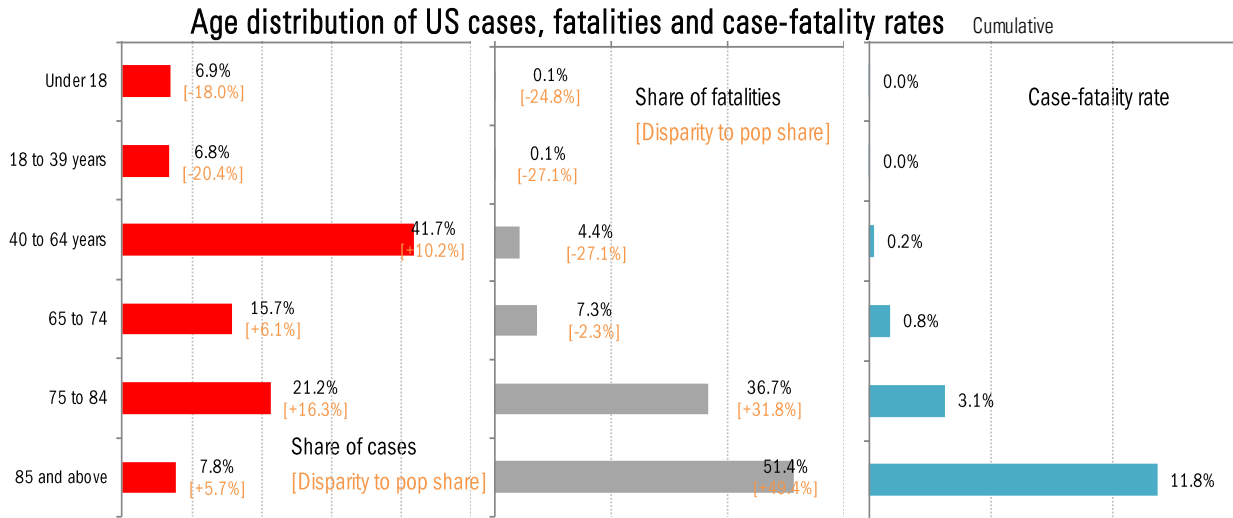
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

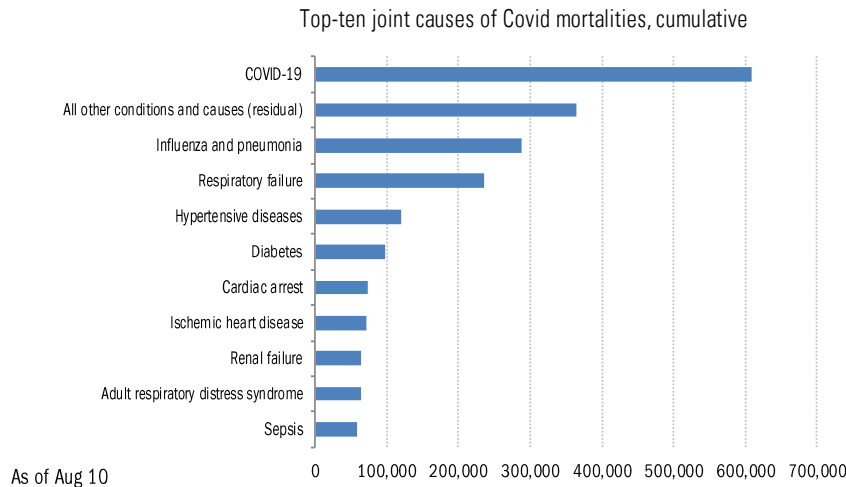
National and state-by-state data do not line up because of different sources



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

[Doctor: Illinois threatening medical license over mandatory mask opposition](#)

Greg Bishop
Center Square
August 18, 2021

[The WHO's Vaccine Misinformation](#)

Allysia Finley
Wall Street Journal
August 19, 2021

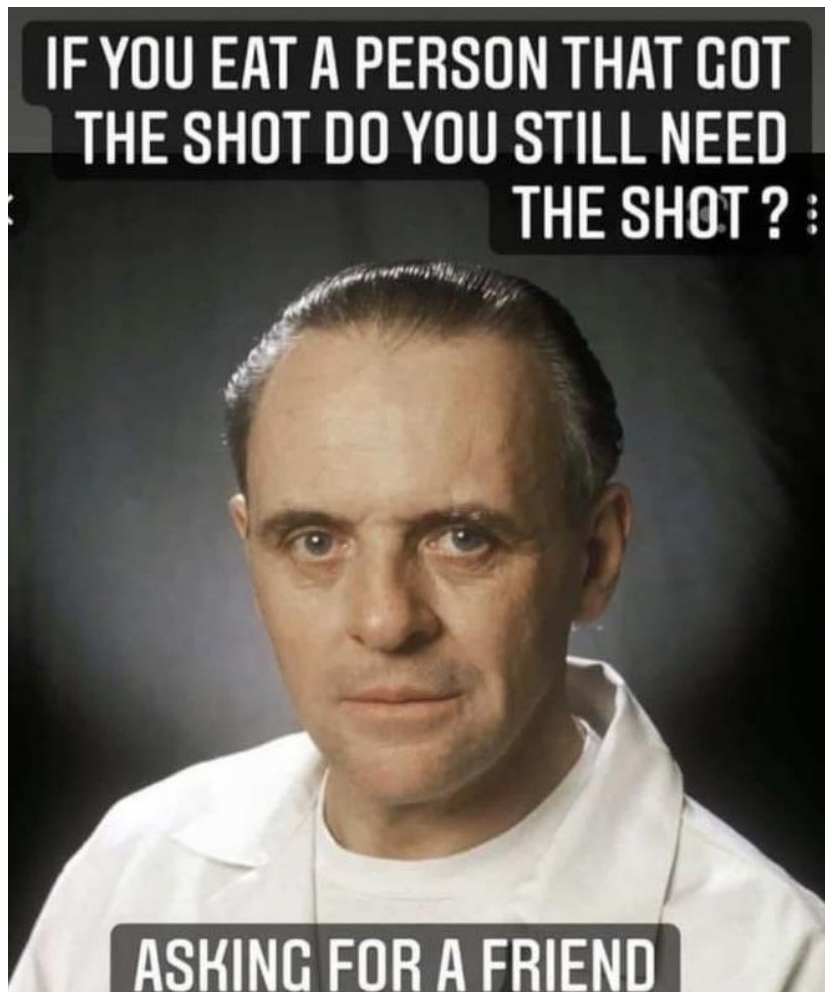
[Biden's Masked Covid Fight](#)

Wall Street Journal
August 19, 2021

[Joe Biden takes aim at states blocking mask mandates, setting Gov. Greg Abbott up for showdown with feds](#)

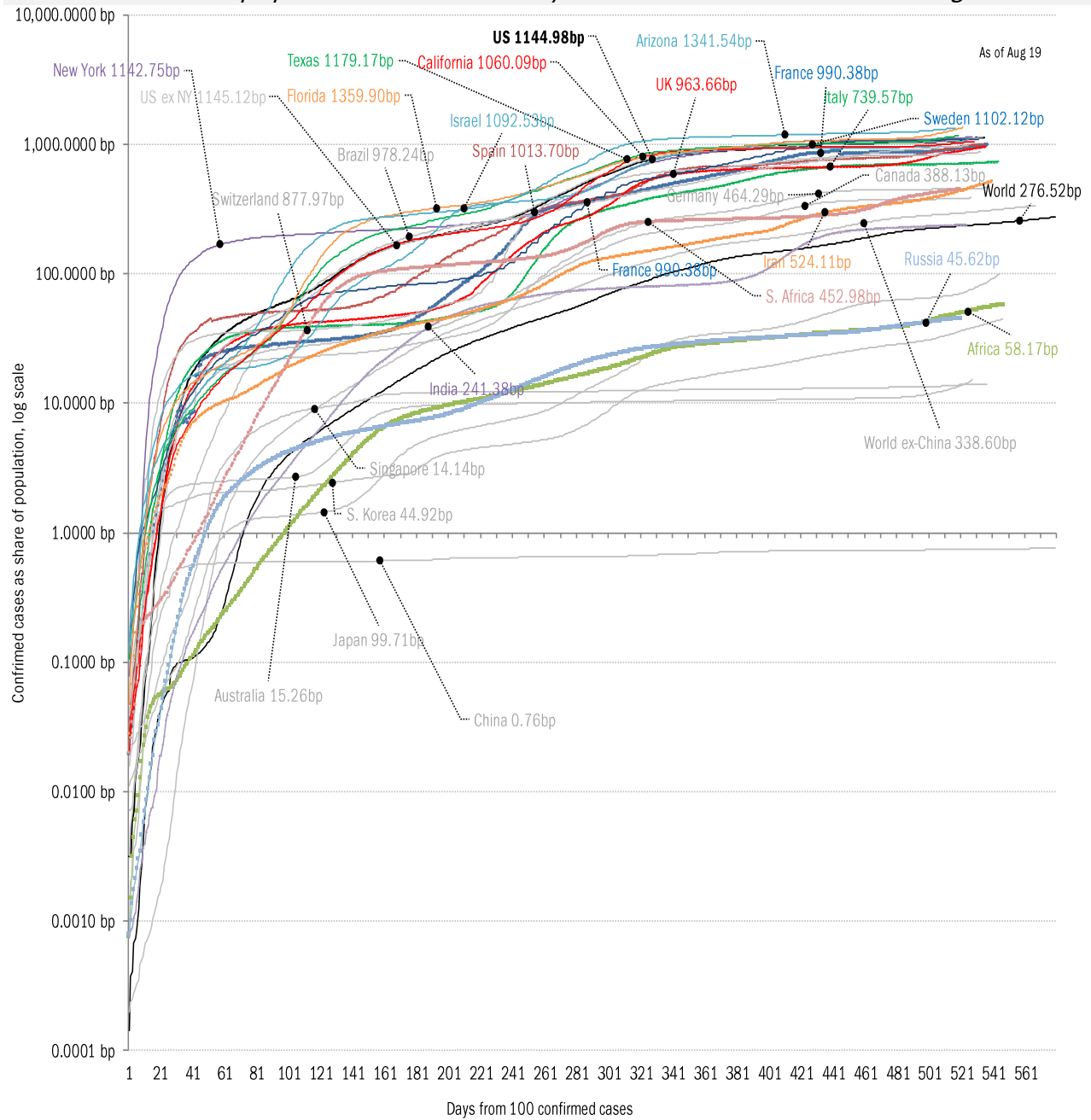
James Barragan
Texas Tribune
August 18, 2021

Meme of the day



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

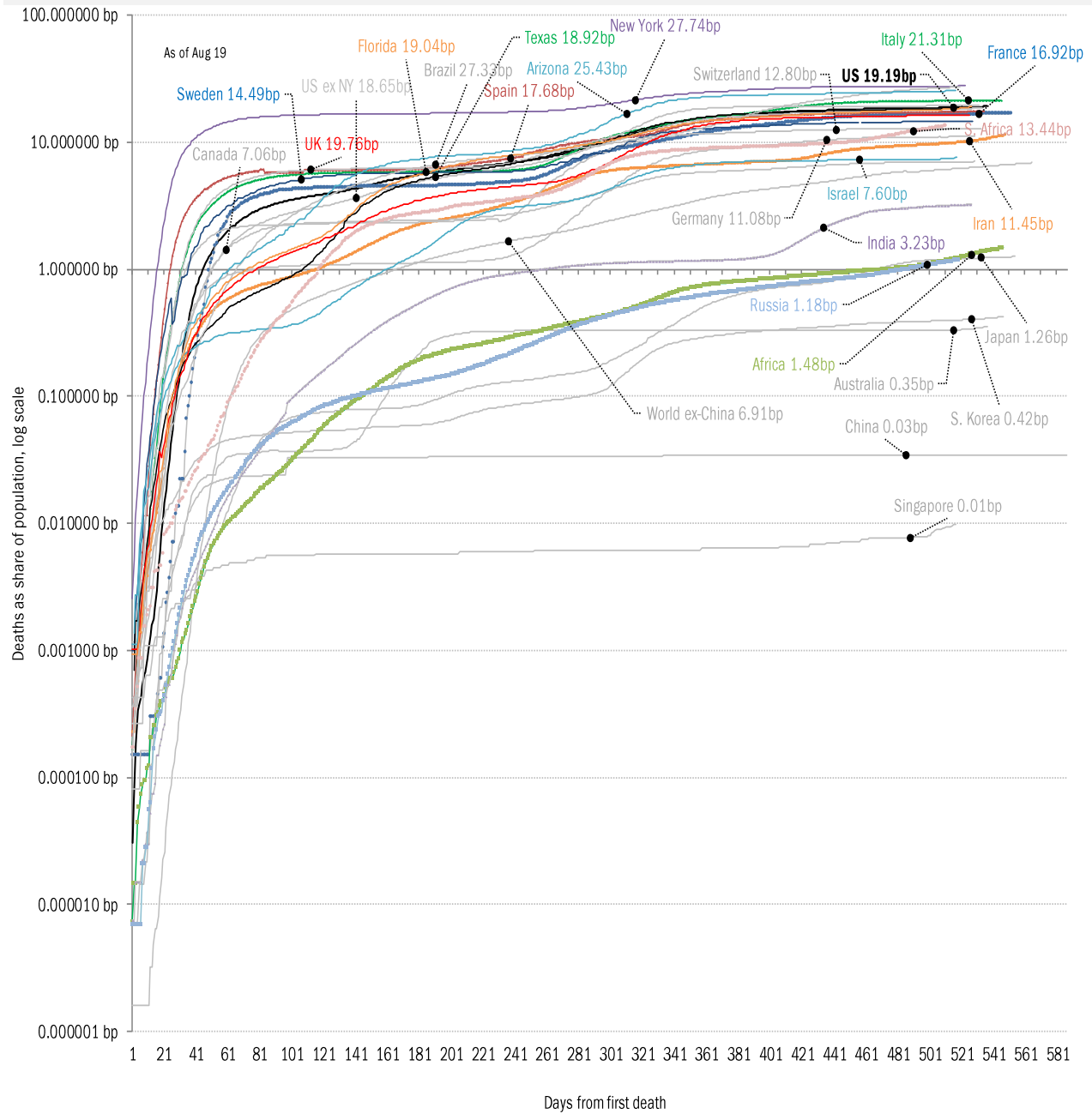
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

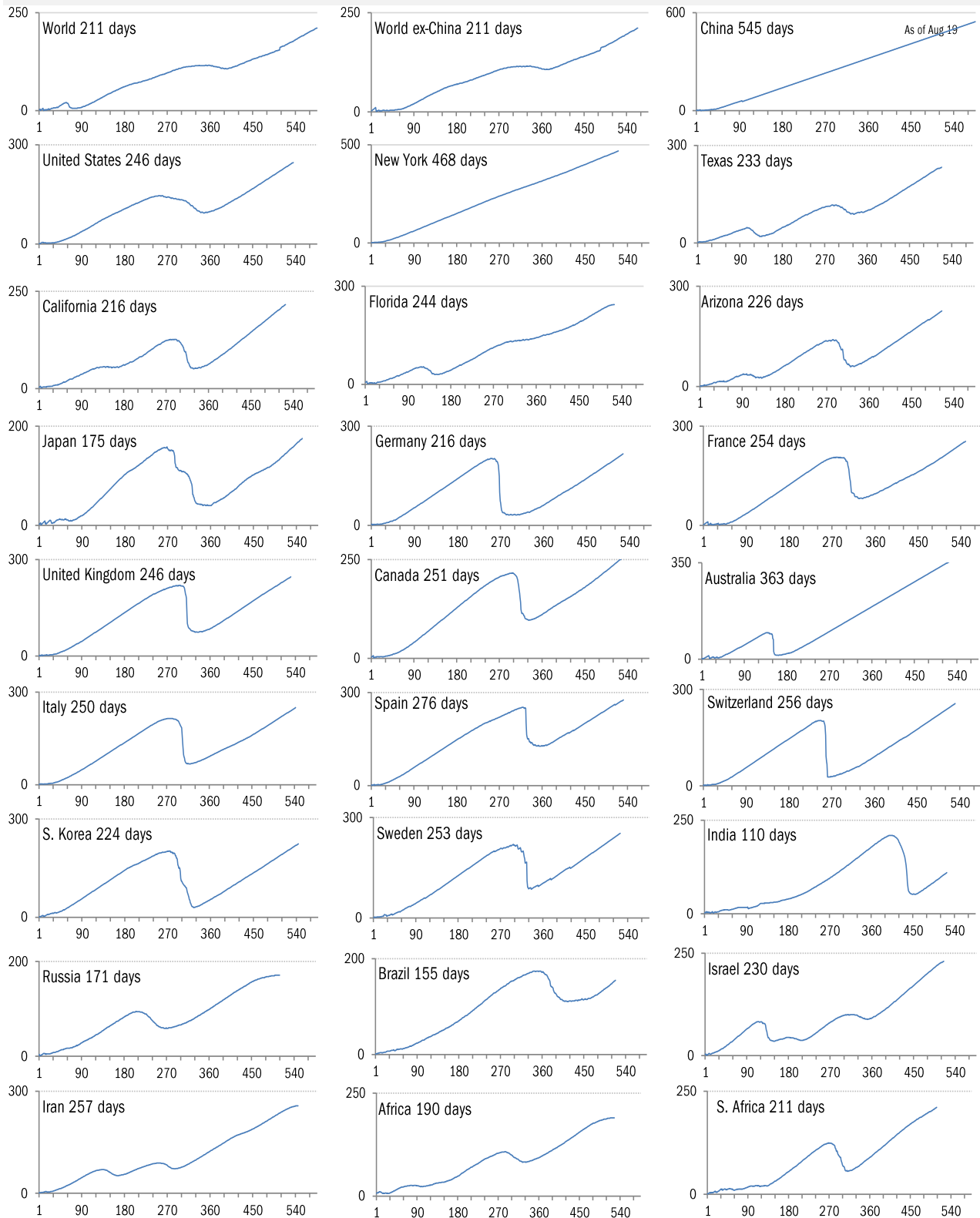


Source: [Johns Hopkins](#), TrendMacro calculations

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

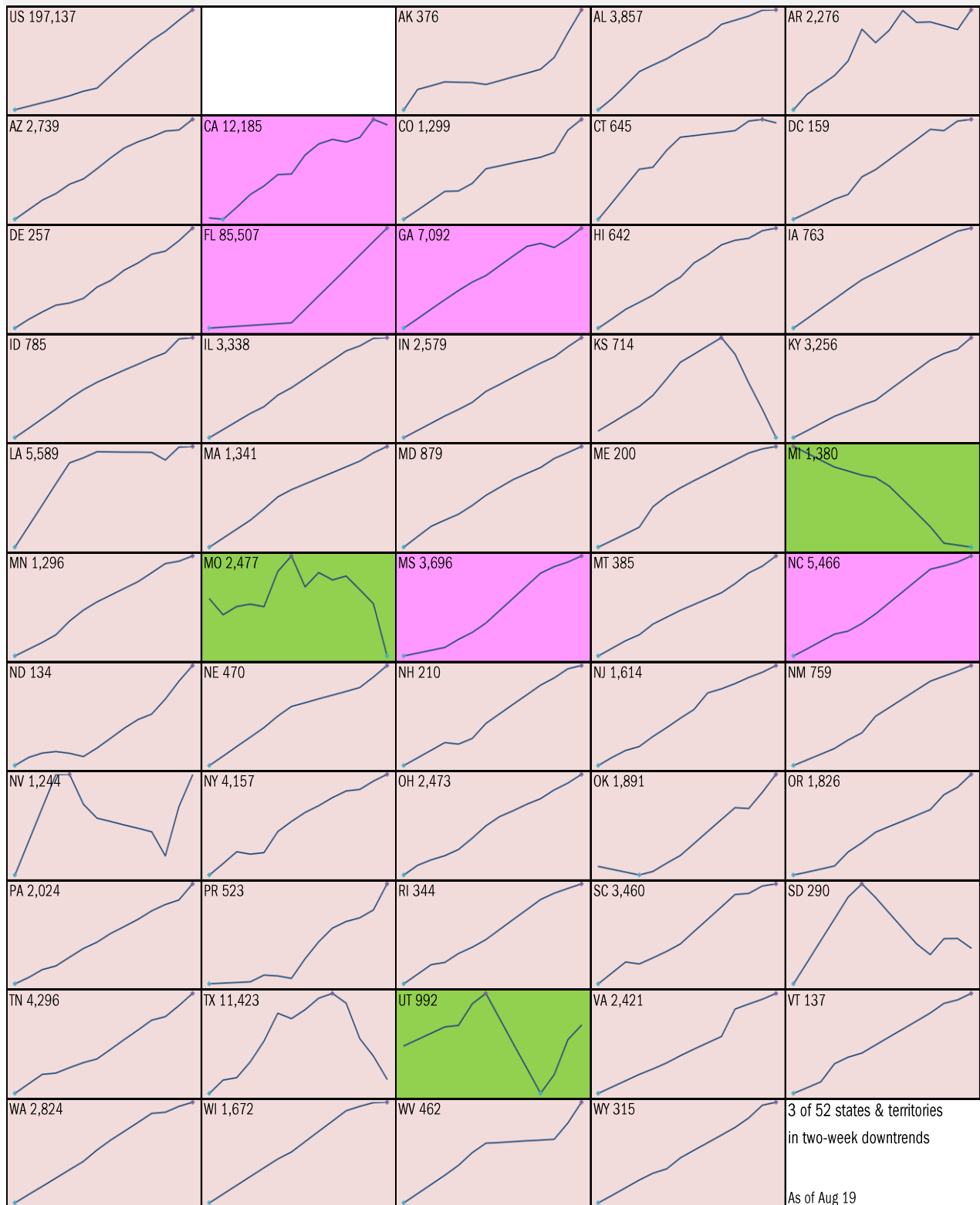


Source: [Johns Hopkins](#), TrendMacro calculations

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

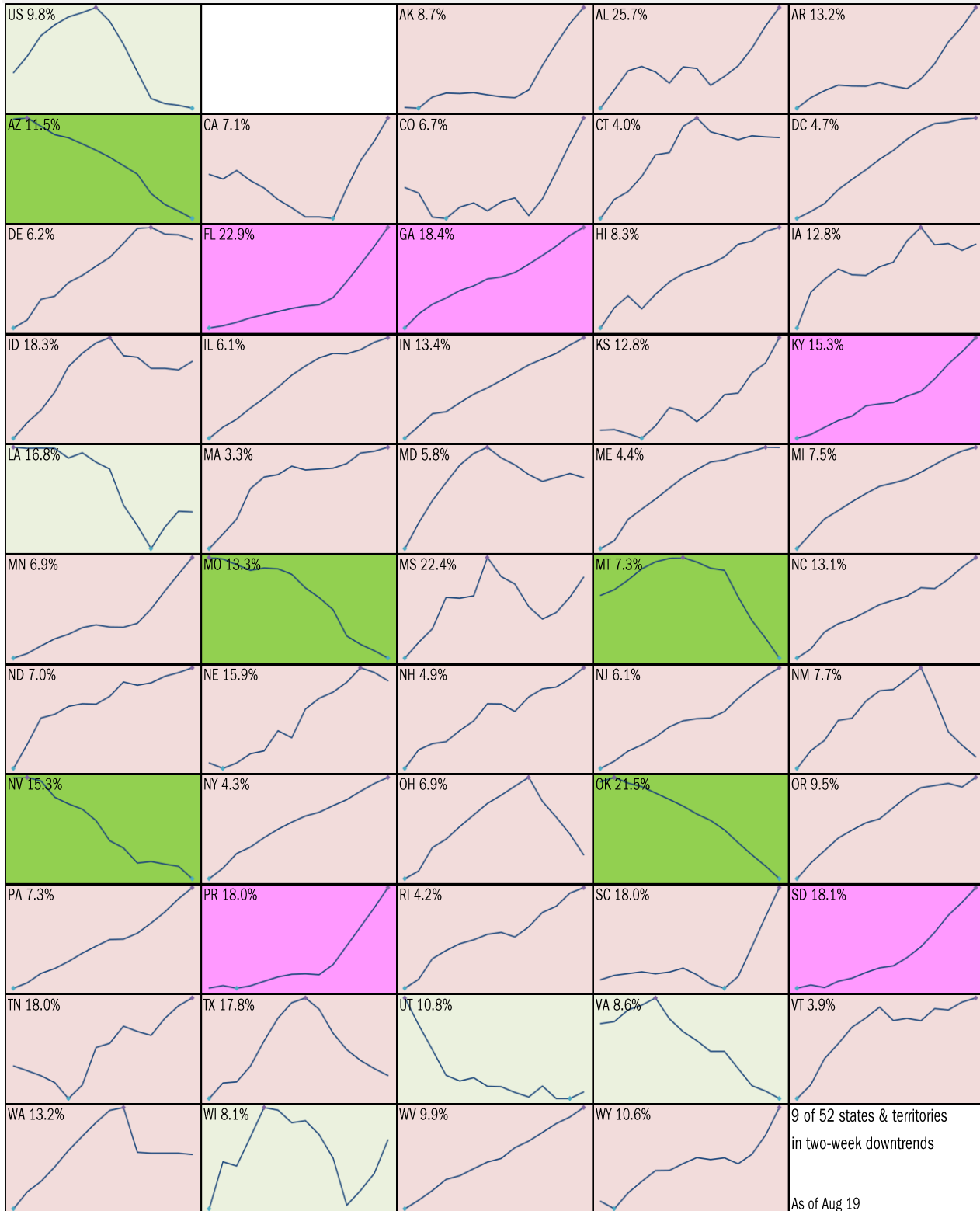


Source: [Johns Hopkins](#), TrendMacro calculations

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

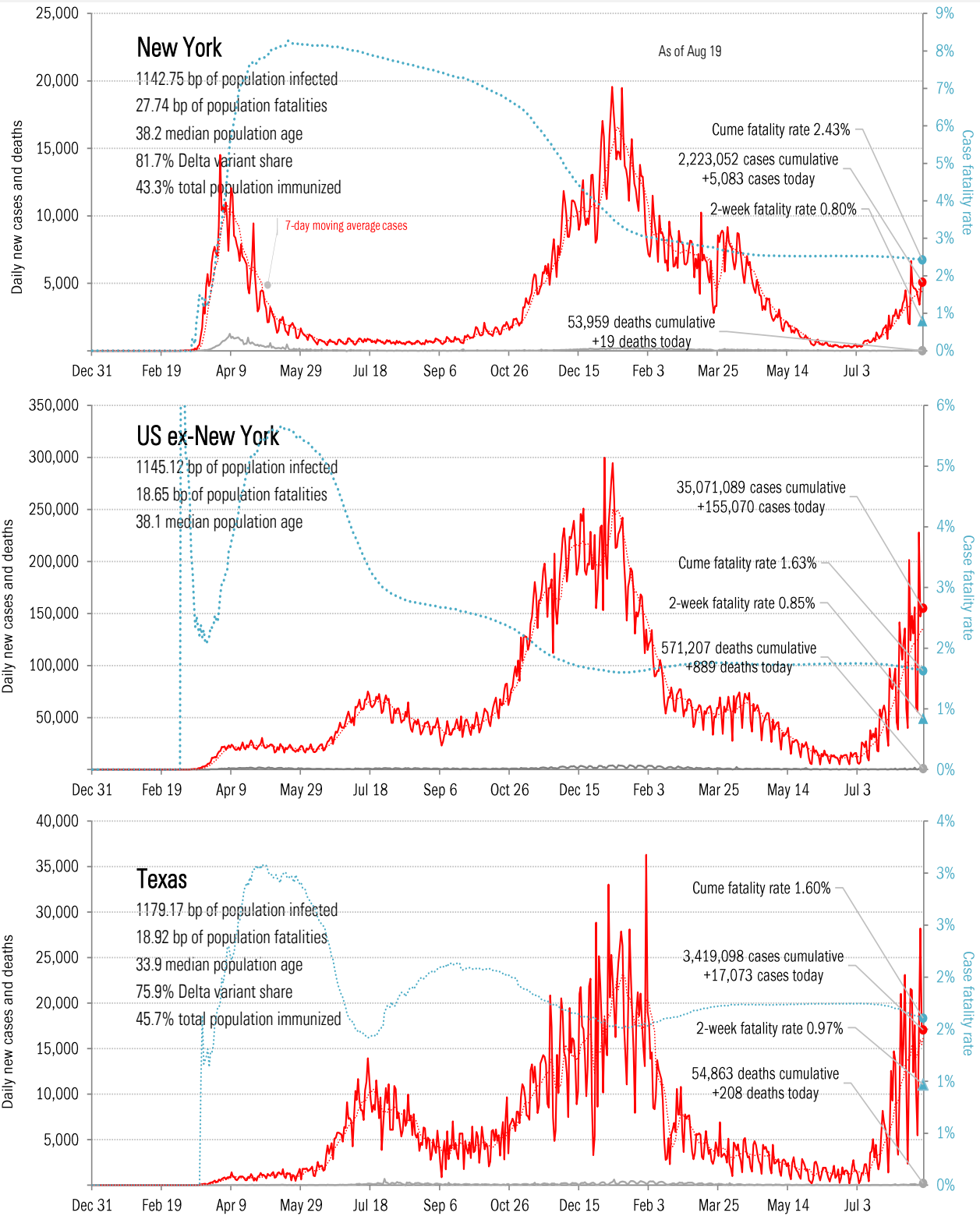
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



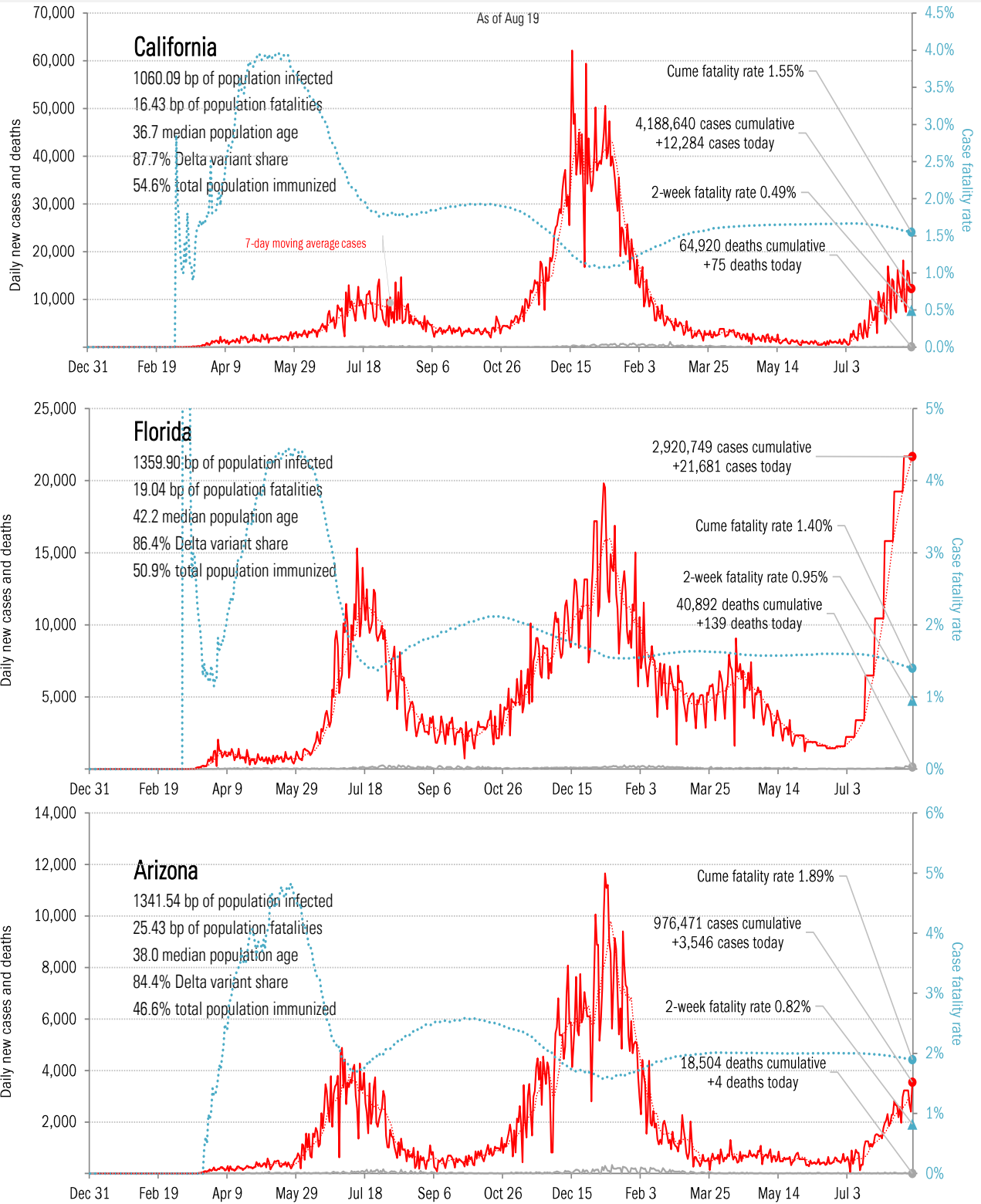
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



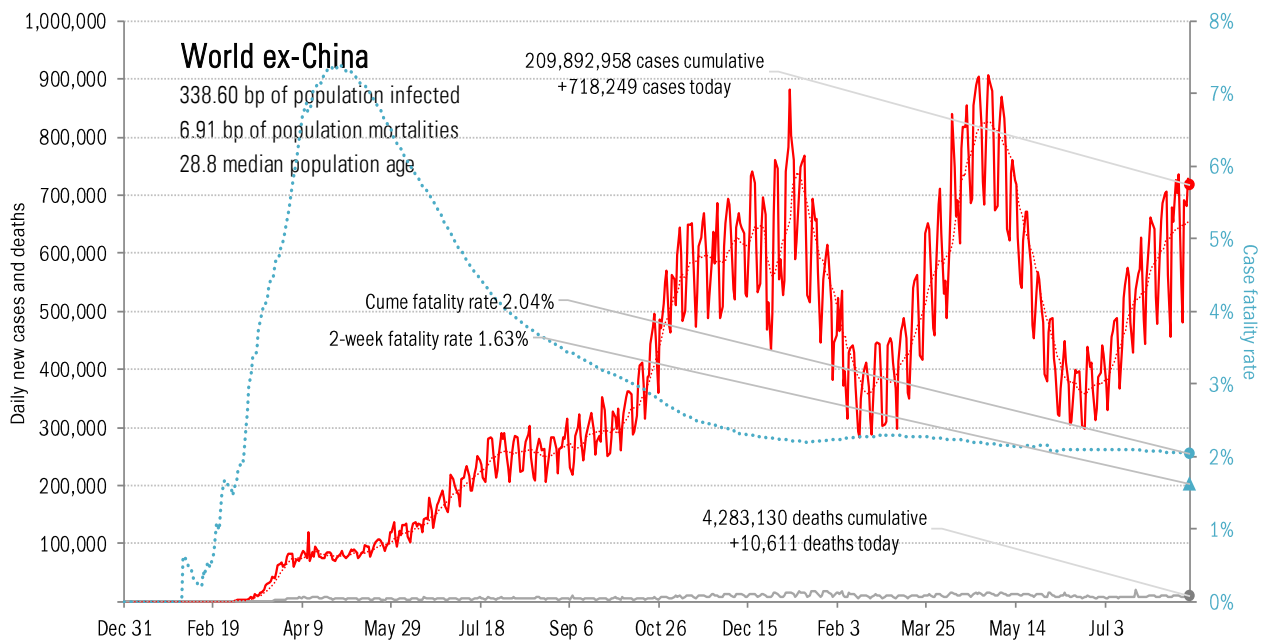
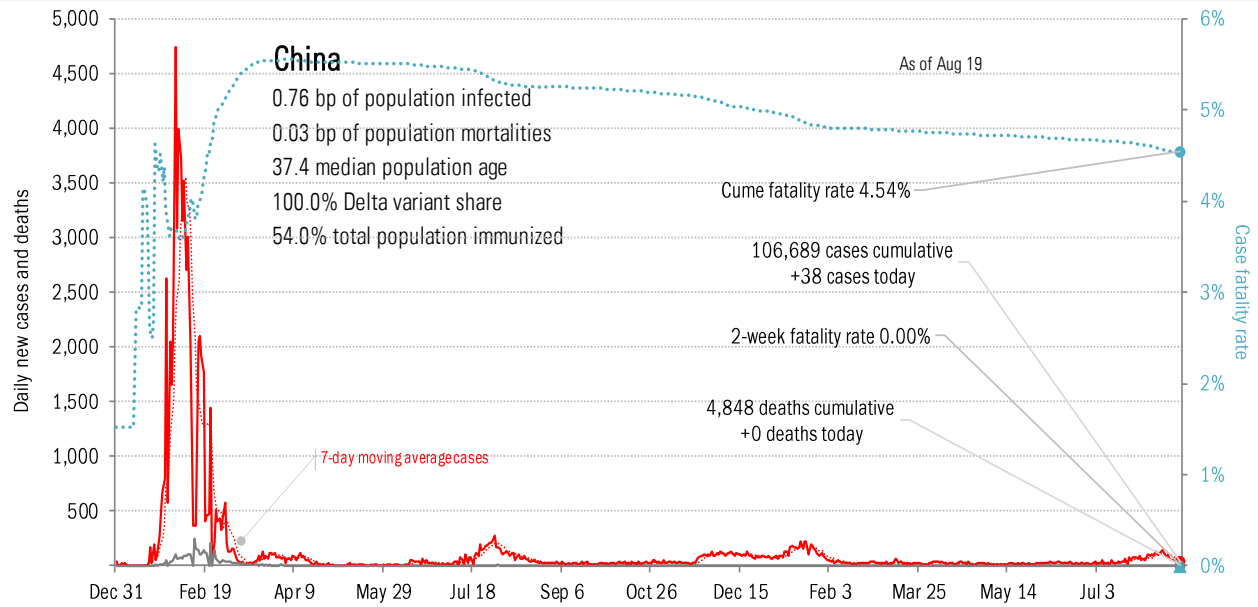
Source: [Johns Hopkins](#), TrendMacro calculations

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



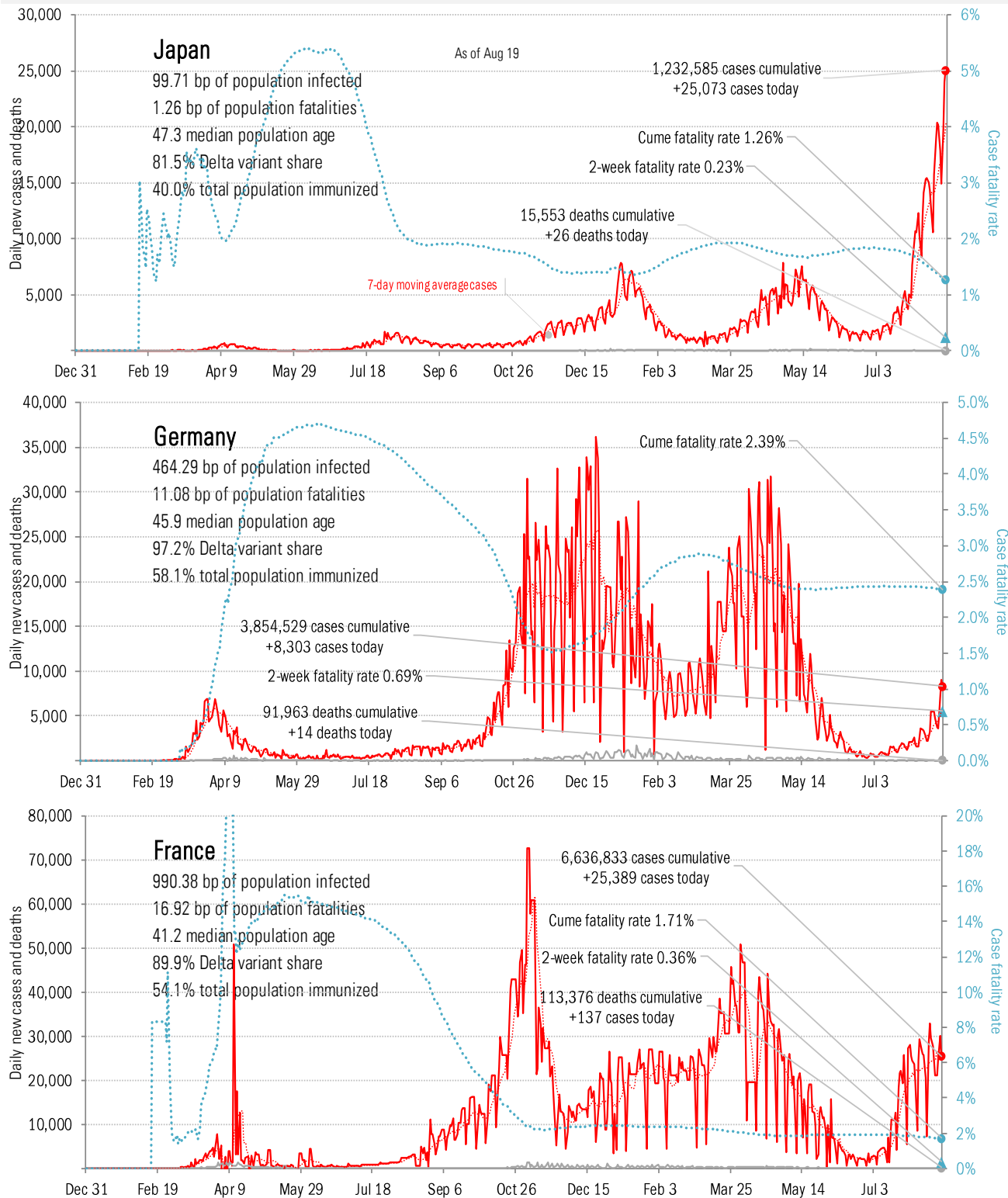
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



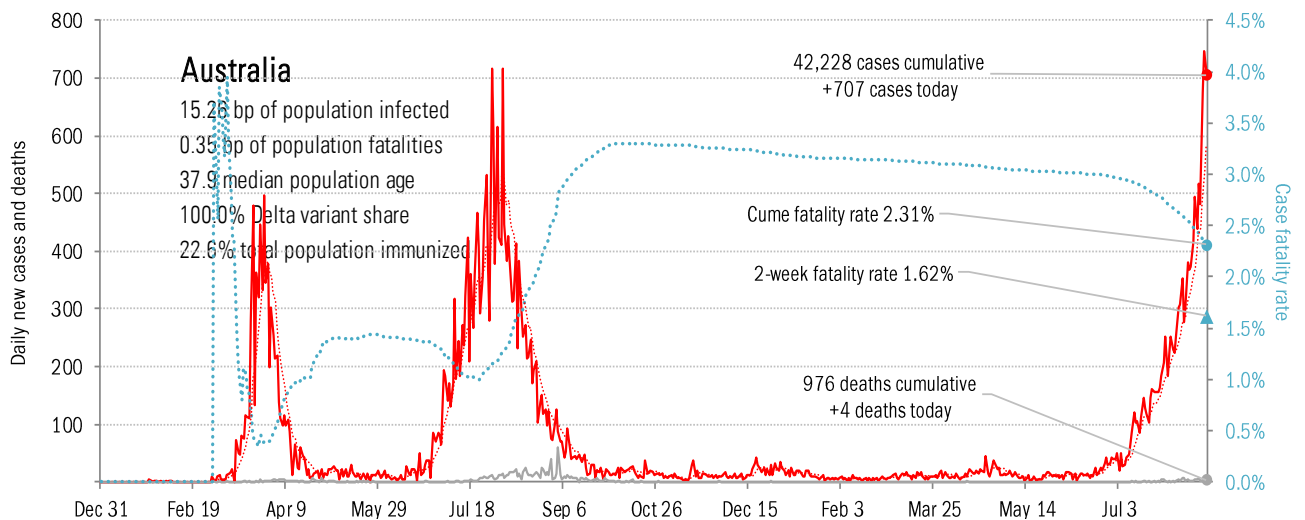
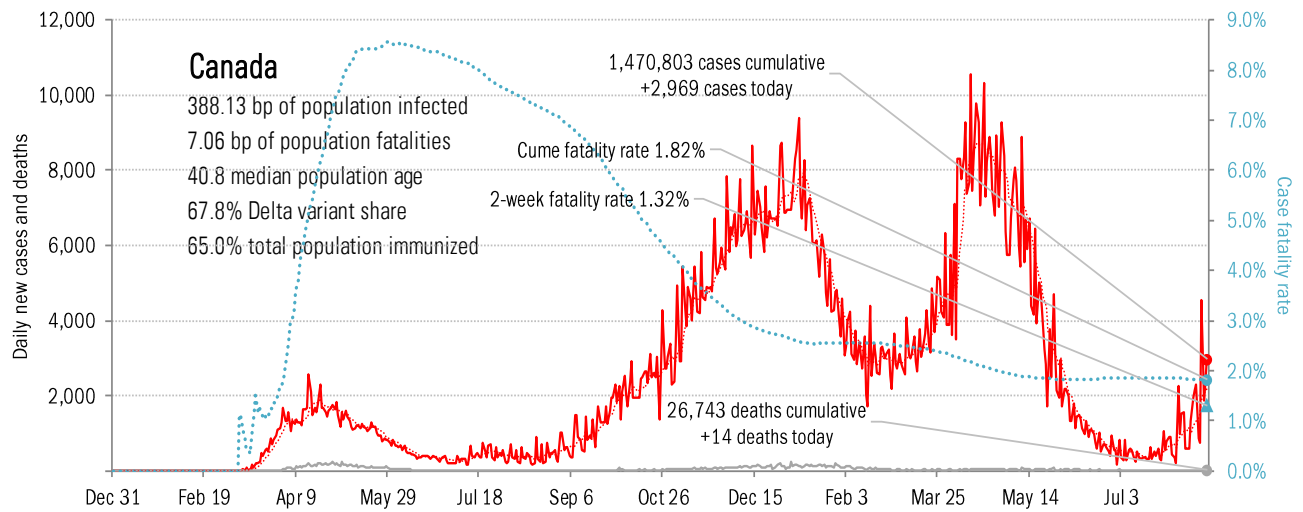
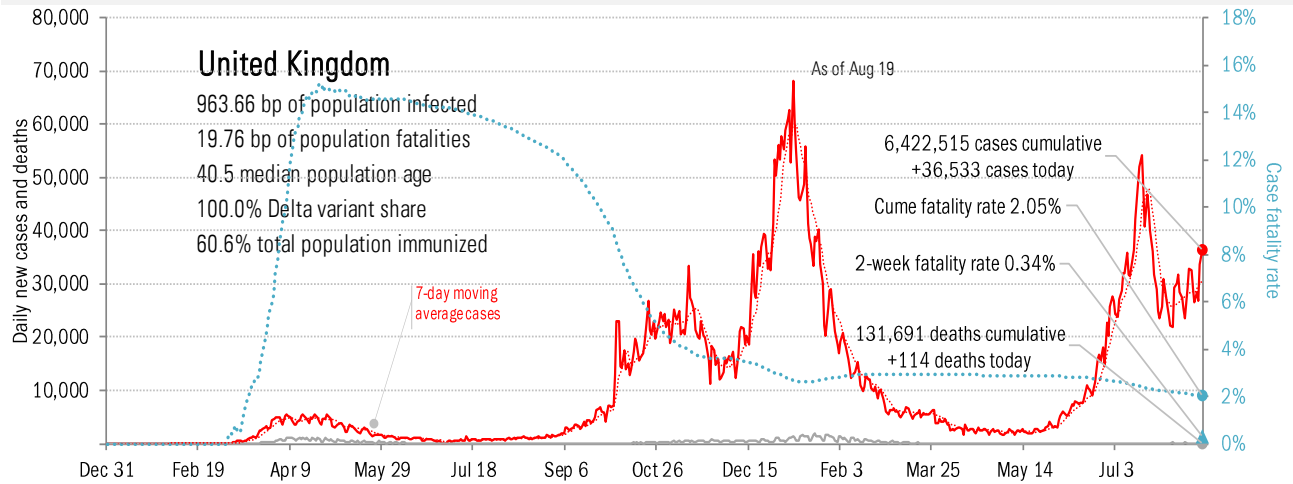
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



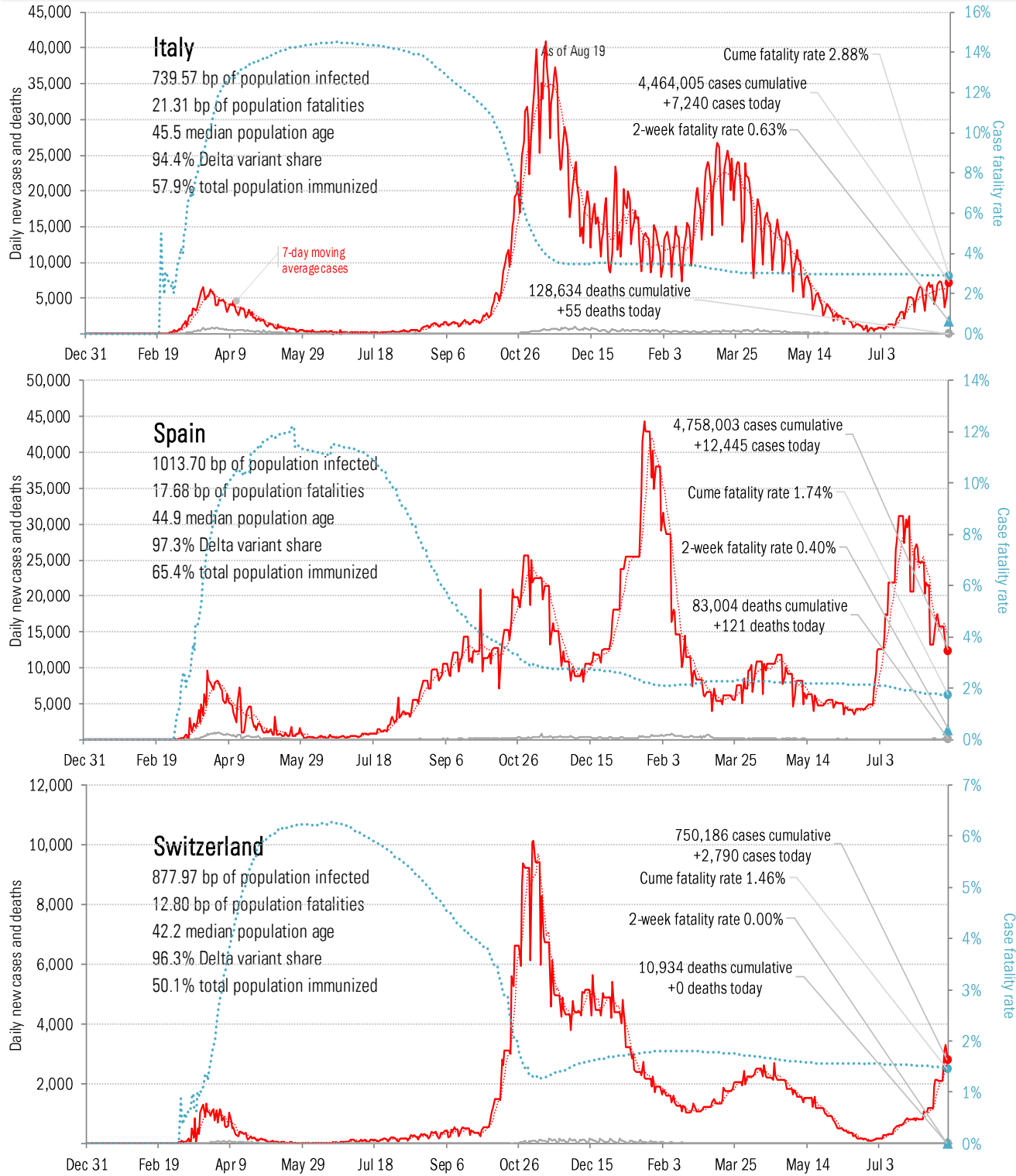
Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

Impact in The Anglosphere



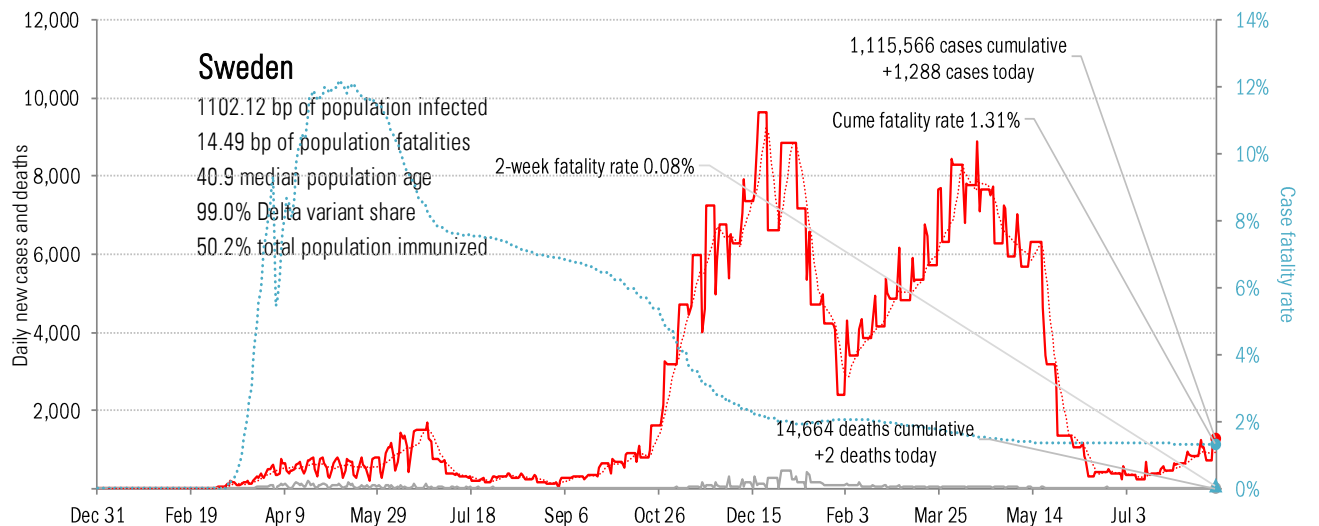
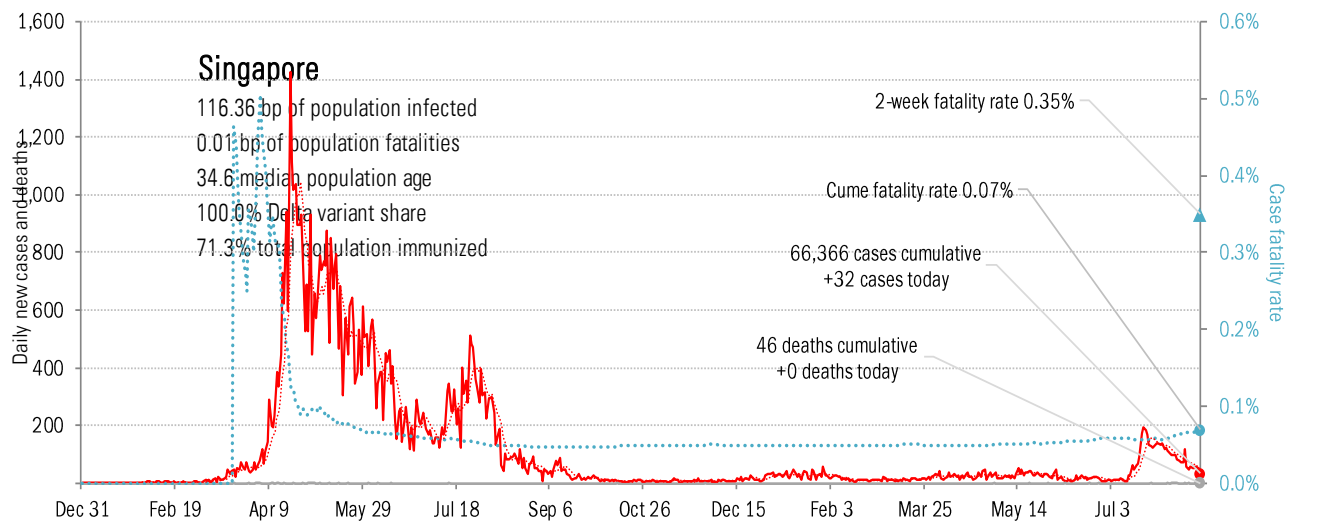
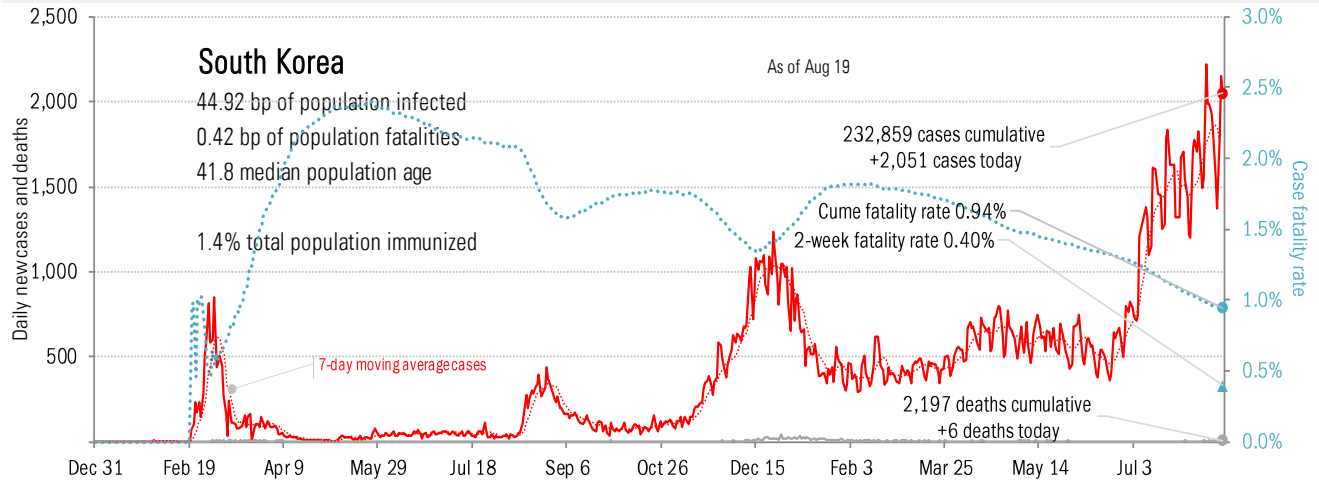
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



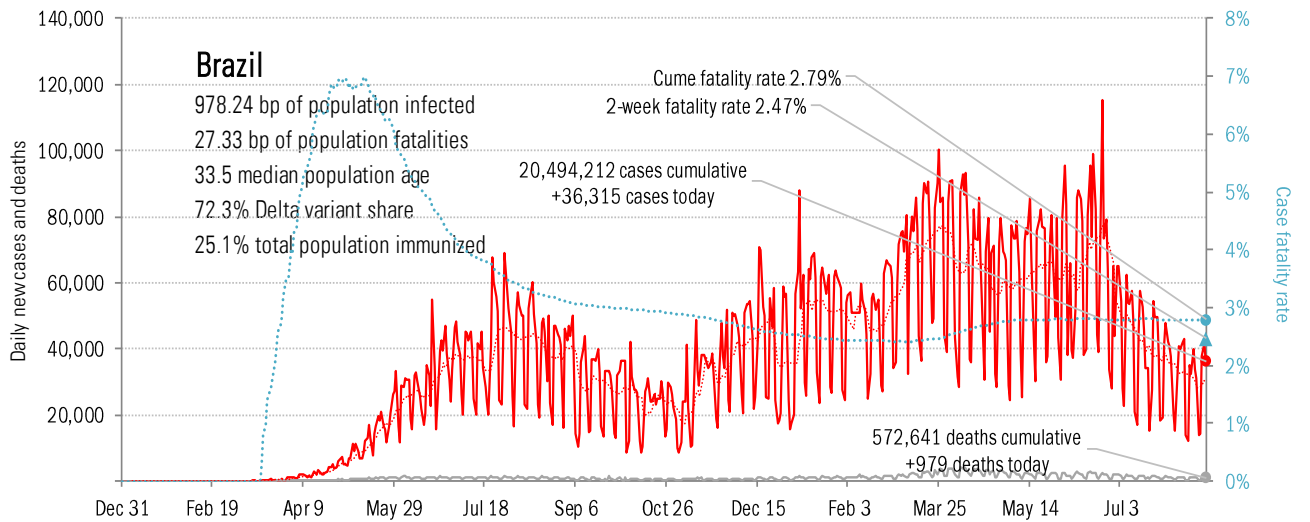
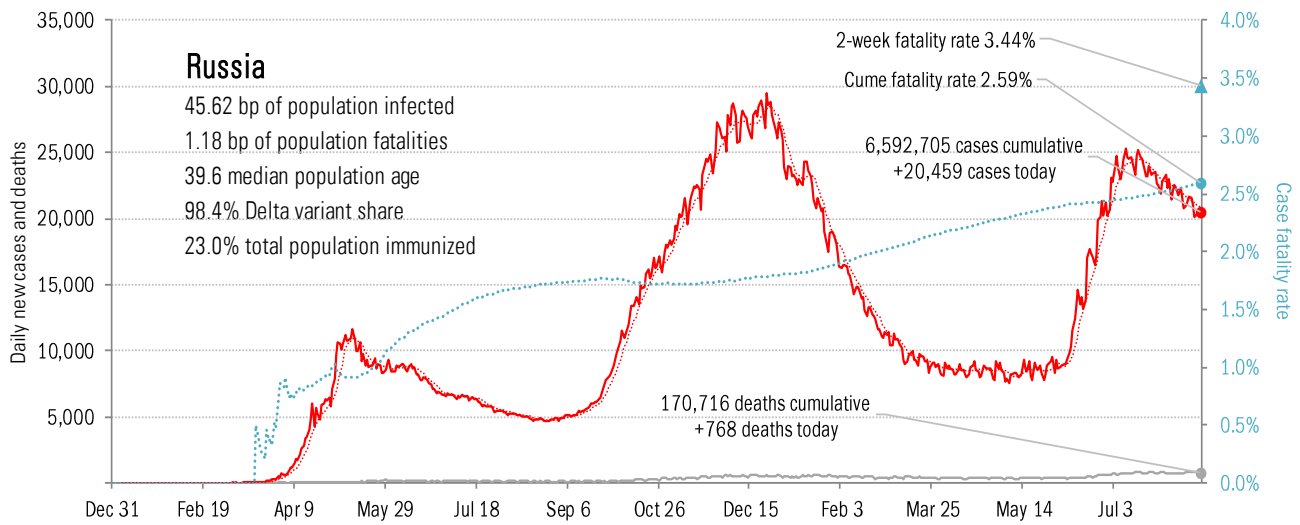
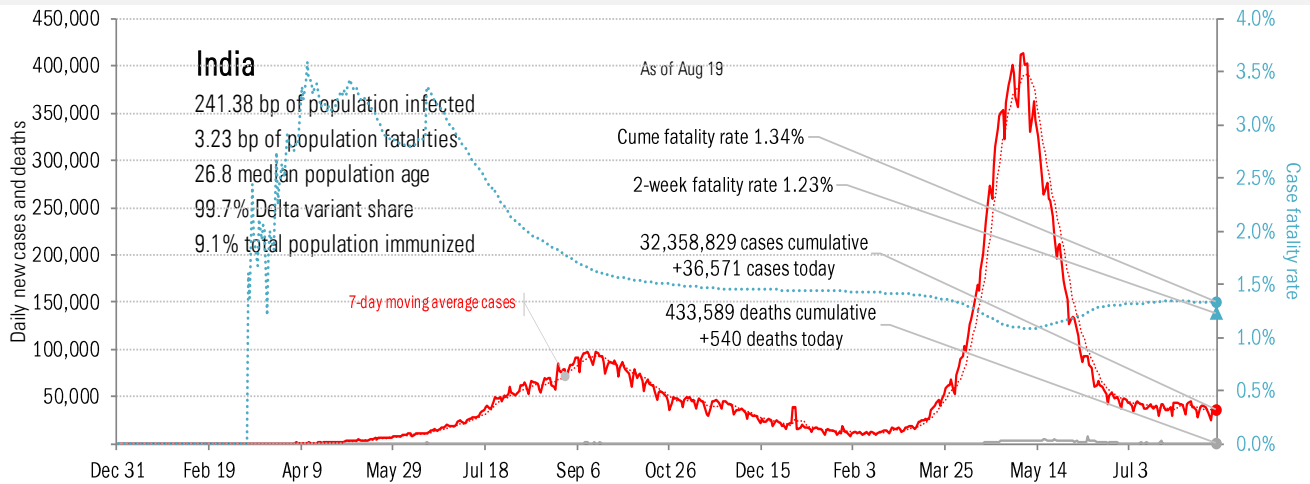
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



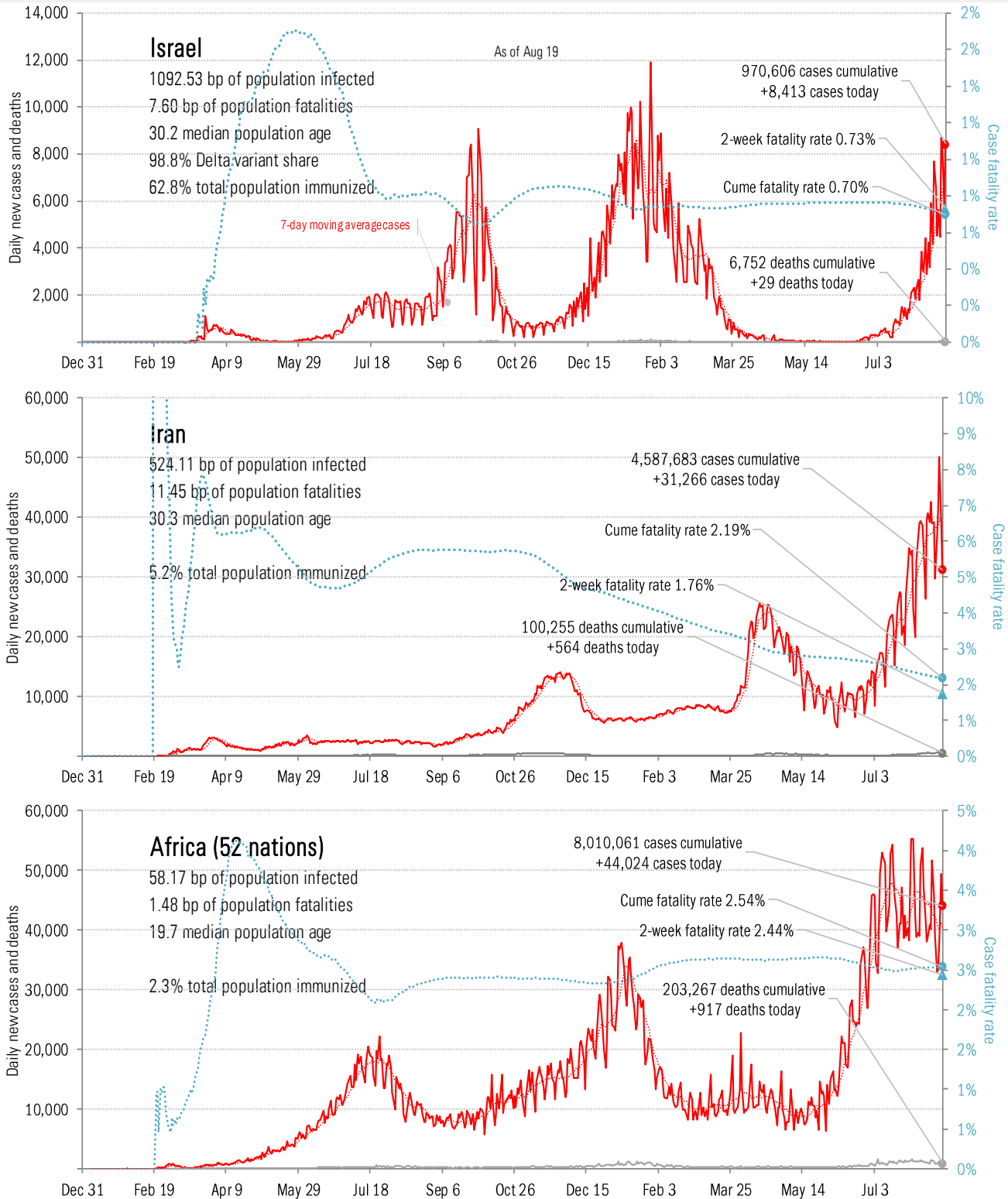
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



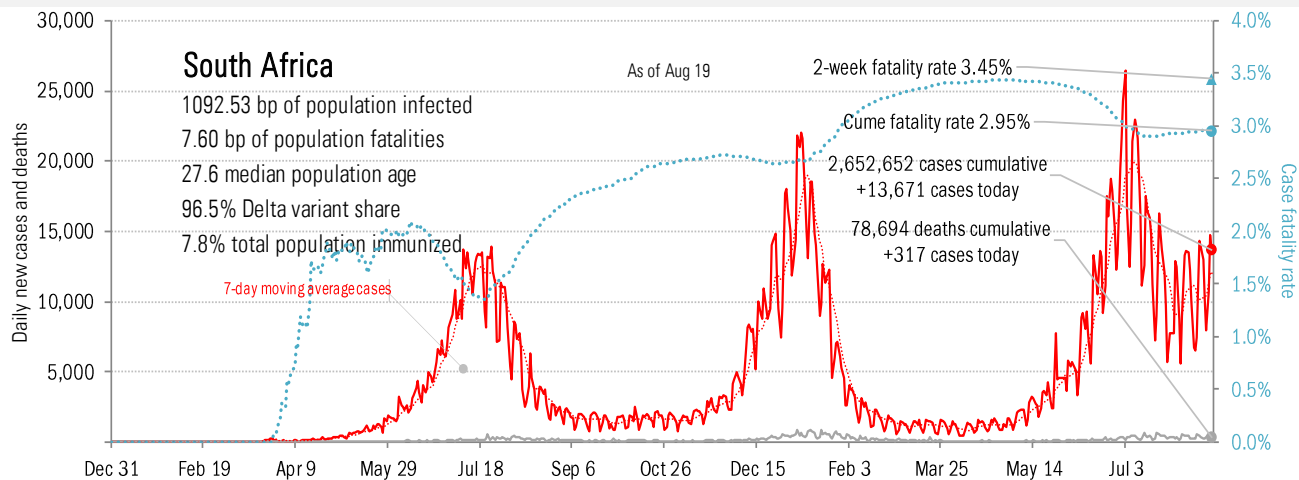
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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