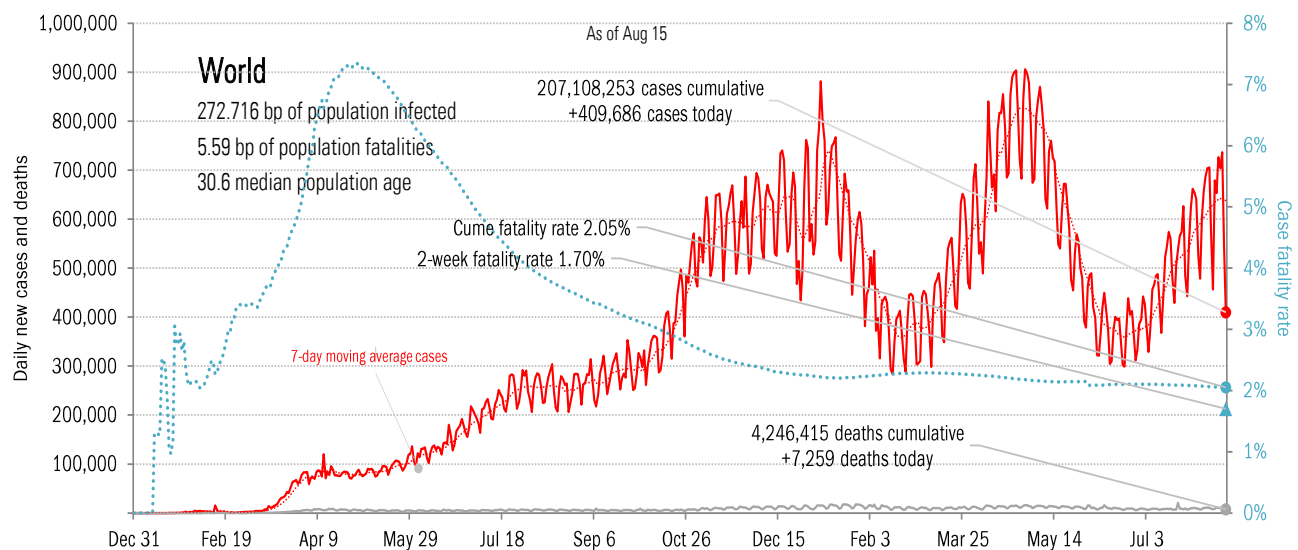
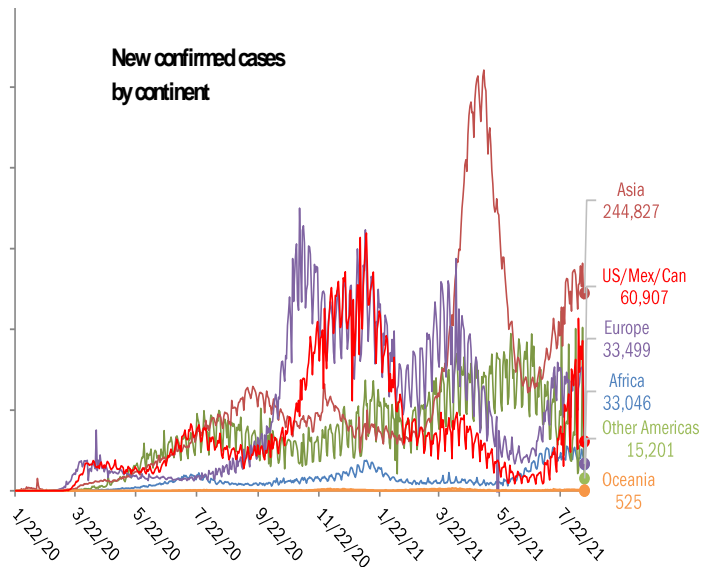


Data Insights: Covid-2019 Monitor

Monday, August 16, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+60,163	Indonesia	+1,222
Iran	+36,736	Russia	+800
India	+32,937	Iran	+620
United Kingdom	+26,484	India	+417
Thailand	+21,882	United States	+382
Russia	+21,010	Vietnam	+337
Indonesia	+20,813	Malaysia	+282
Malaysia	+20,546	South Africa	+272
Turkey	+18,847	Brazil	+270
Japan	+17,902	Philippines	+270
+277,320		+4,872	
World	+409,686	World	+7,259
Top ten	68%	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

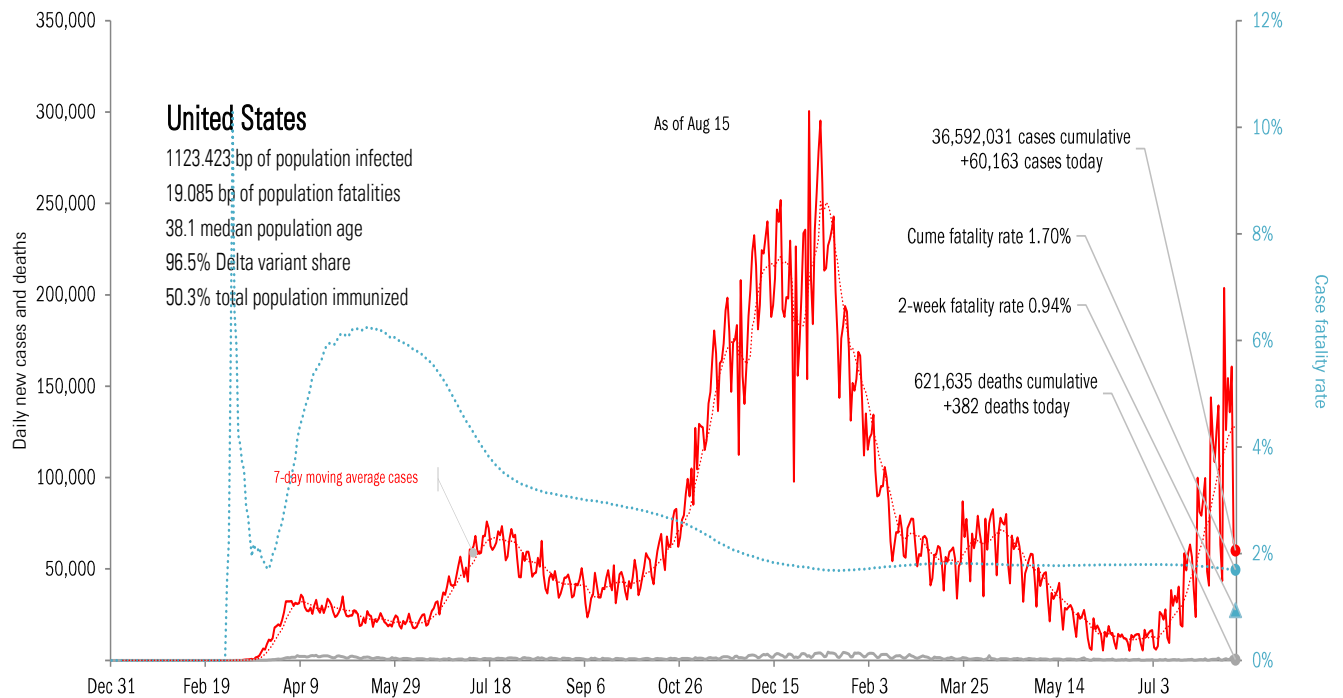
New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+21,681		NY	+235		GA	+301		CA	4,132,332		CA	64,665		TX	293,906		GA	87%	MS	55%
CA	+7,377		FL	+192		TX	+274		TX	3,339,500		TX	54,330		CA	263,448		FL	84%	FL	50%
AL	+6,992		TX	+41		FL	+171		FL	2,834,027		NY	54,090		FL	245,552		MA	84%	LA	48%
TX	+5,473		AL	+33		CA	+128		NY	2,205,869		FL	40,262		NY	142,250		MO	84%	GA	47%
NY	+4,401		CA	+32		KY	+115		IL	1,457,687		PA	27,966		GA	123,789		MD	83%	AL	47%
AZ	+3,052		AR	+22		NY	+95		PA	1,254,613		NJ	26,695		PA	94,963		RI	82%	AR	45%
CH	+1,977		FR	+5		IL	+78		GA	1,252,615		IL	26,027		CH	92,797		NV	81%	TX	43%
PA	+1,886		HI	+4		CH	+63		CH	1,159,759		GA	21,978		IL	88,342		MN	81%	MO	39%
MO	+1,661		MD	+4		AR	+51		NC	1,107,414		MI	21,284		KY	86,085		PA	81%	OK	39%
AR	+1,517		NJ	+3		WA	+51		NJ	1,060,934		CH	20,614		MI	75,717		CT	81%	ID	37%
+56,017			+571			+1,327			19,804,750			357,911			1,506,849						
All states	+60,163			+574			+1908		All states	36,592,031			621,635			2,670,184		All states	70%		67%
Top ten	93%			99%			70%		Top ten	54%			58%			56%		Median	74%		19%

Some states not reporting

Updated Saturdays

Five most improved US states

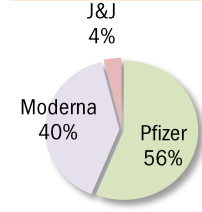
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-4,710	TX	-46	TX	-187	AL	+20 bp
MO	-1,594	AZ	-25	LA	-149	AR	+20 bp
CA	-1,457	MO	-19	CA	-129	AZ	+10 bp
NJ	-1,290	PA	-9	FL	-121	CA	+10 bp
AR	-600	CA	-8	TN	-102	DC	+10 bp



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			
	366,530,933				+0.678 million	US	50.3%	59.2%
Total population	202,955,349	61%	172,721,633	52%	+0.276 million	UK	59.8%	69.7%
Age 12 to 17	11,322,186	48%	8,386,839	35%	+0.057 million	France	51.8%	67.8%
Age 18 to 64	139,277,299	68%	117,800,927	58%	+0.189 million	Spain	63.2%	73.7%
Age 65 and over	51,370,561	94%	45,722,571	84%	+0.029 million	Germany	56.8%	62.8%
						Italy	57.1%	67.3%
						Australia	20.9%	38.6%
						Israel	62.6%	67.6%
						Canada	63.9%	72.6%
						Japan	37.3%	49.6%
						Africa	2.1%	4.2%
						India	8.8%	30.6%
						Brazil	23.4%	56.4%
						China	54.0%	43.2%



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



Every American >18 immune in **178 days** by Feb 8, 2022
 63.3% of population >18 immunized
 12.5% previously tested positive
75.8% vs 60% adult herd immunity*

As of Aug 15

Global data differs from sources, timing

AK
52.6%
46.2%

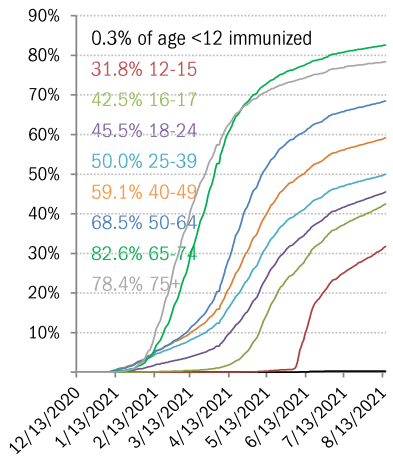
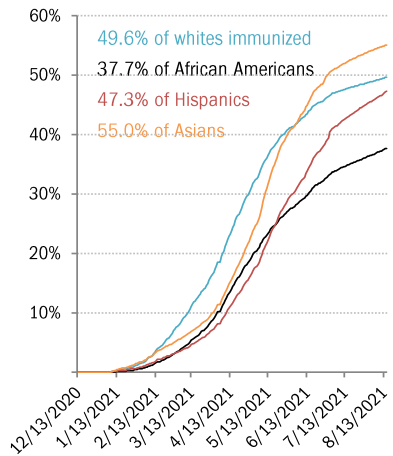
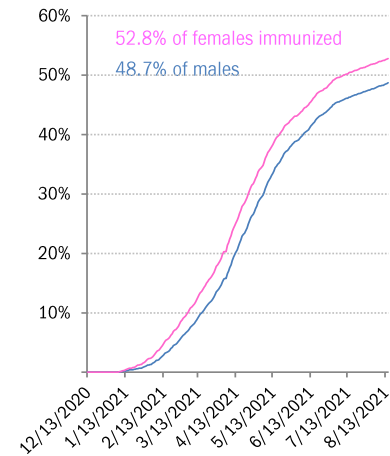
WI
57.1%
52.5%

ME
69.7%
64.6%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
65.7%	42.5%	50.7%	46.8%	60.4%	64.3%	54.2%	65.2%	75.1%	65.8%	
58.8%	38.1%	45.0%	40.8%	54.6%	49.7%	49.6%	58.4%	67.0%	58.8%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
62.1%	56.0%	43.0%	54.4%	54.8%	48.7%	51.2%	67.4%	68.0%	73.9%	
56.8%	45.8%	37.3%	47.9%	50.4%	45.1%	47.3%	53.6%	59.7%	64.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
66.9%	53.8%	61.9%	55.7%	51.1%	54.5%	46.5%	63.5%	66.5%	71.7%	69.2%
54.2%	45.8%	55.5%	50.4%	43.2%	46.7%	39.3%	55.6%	60.0%	64.4%	62.6%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	55.0%	67.3%	55.5%	50.7%	47.1%	53.3%	49.1%	65.8%	62.3%	
	46.4%	58.2%	46.4%	38.6%	40.1%	44.7%	41.6%	56.2%	53.7%	
			OK	LA	MS	AL	GA			
			50.7%	46.4%	43.3%	46.4%	48.1%			
			41.5%	38.3%	35.8%	35.4%	39.4%			
			TX					FL		PR
			54.6%					61.2%		70.8%
			45.3%					50.3%		61.3%

HI
72.8%
54.3%

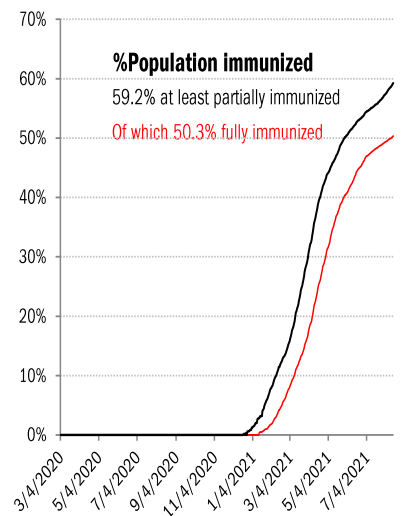
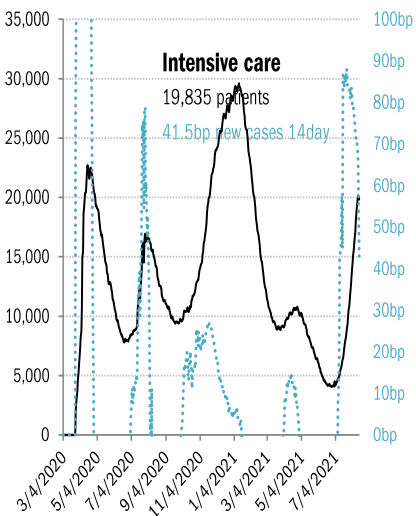
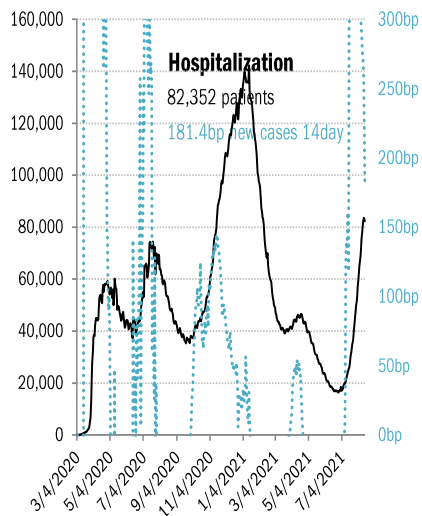
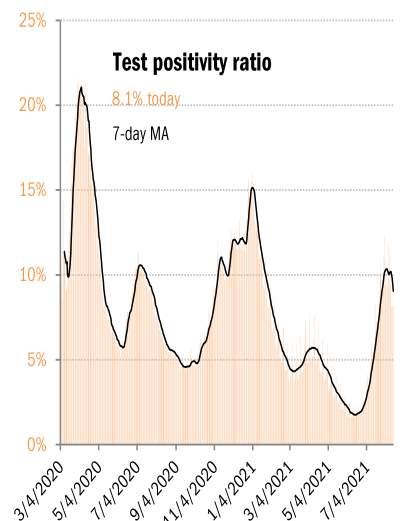
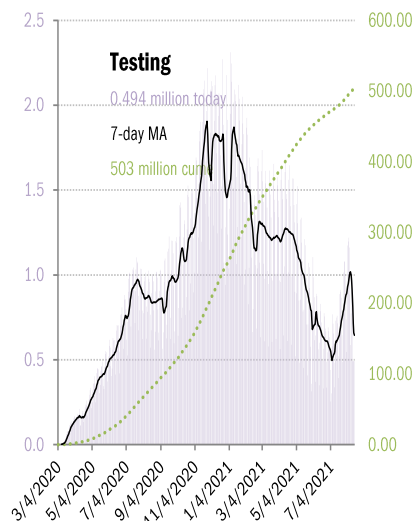
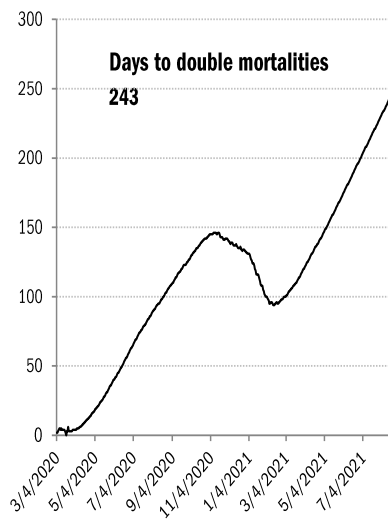
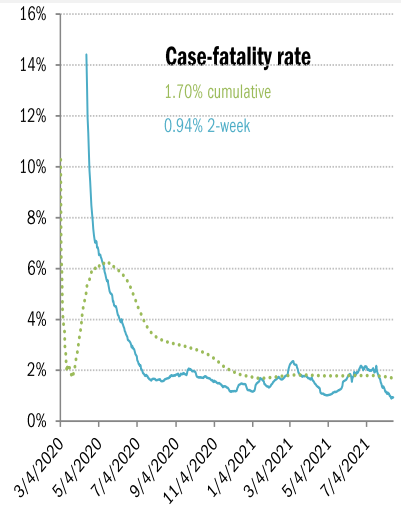
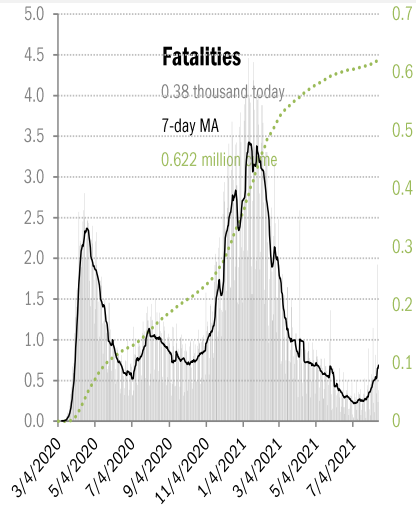
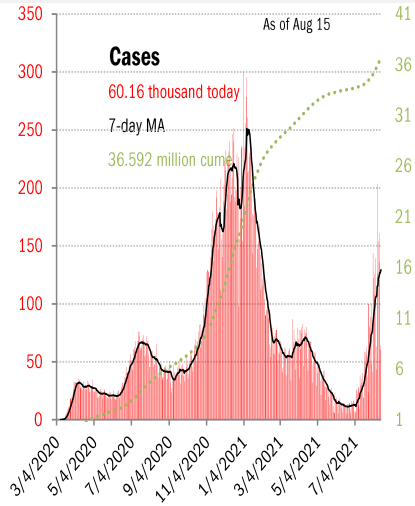
The demographics of US vaccination



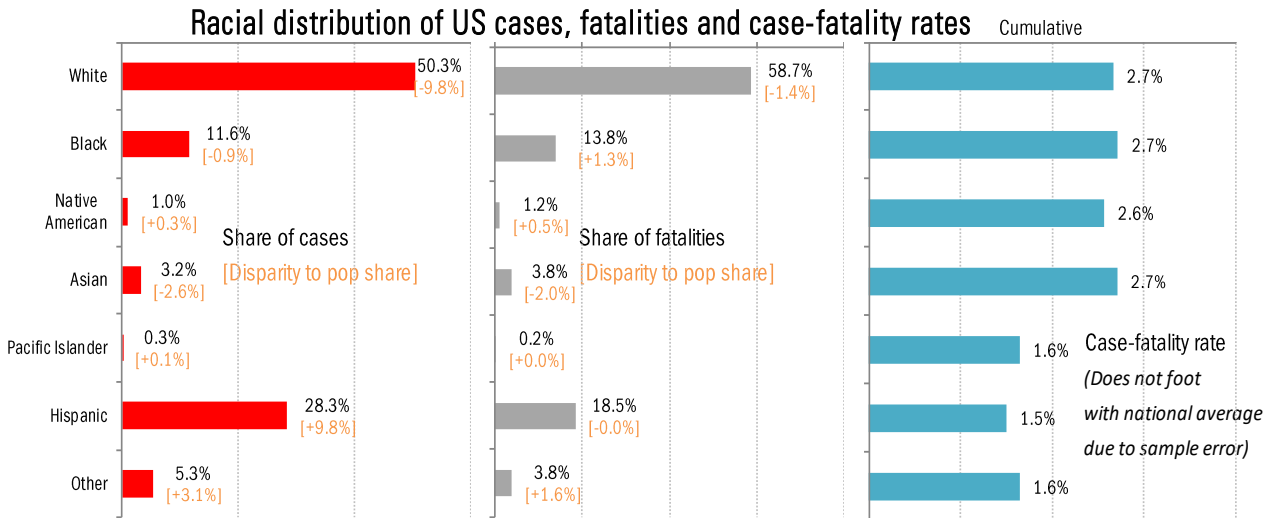
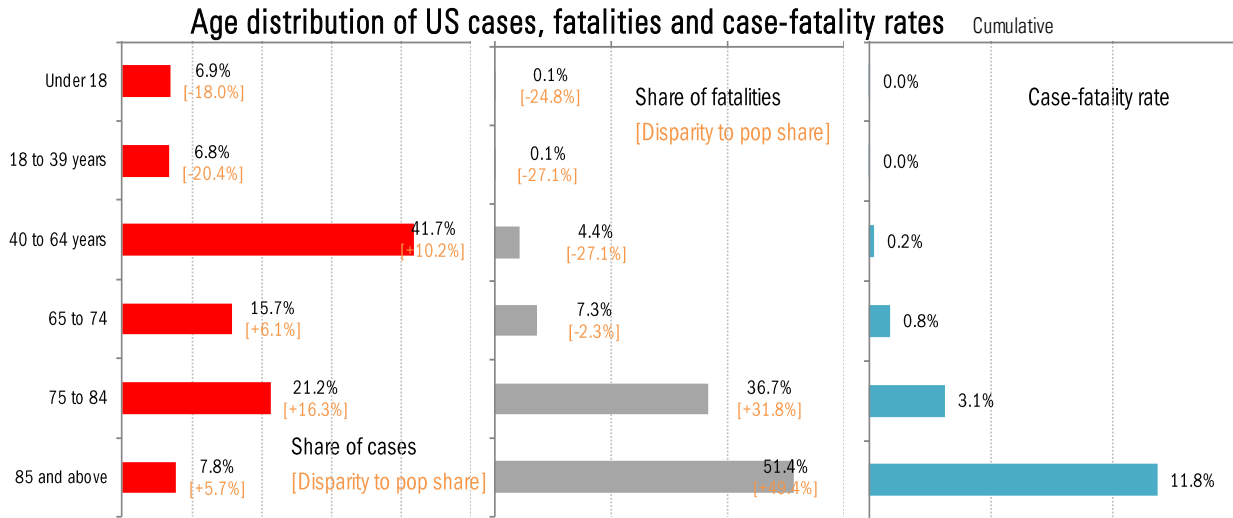
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

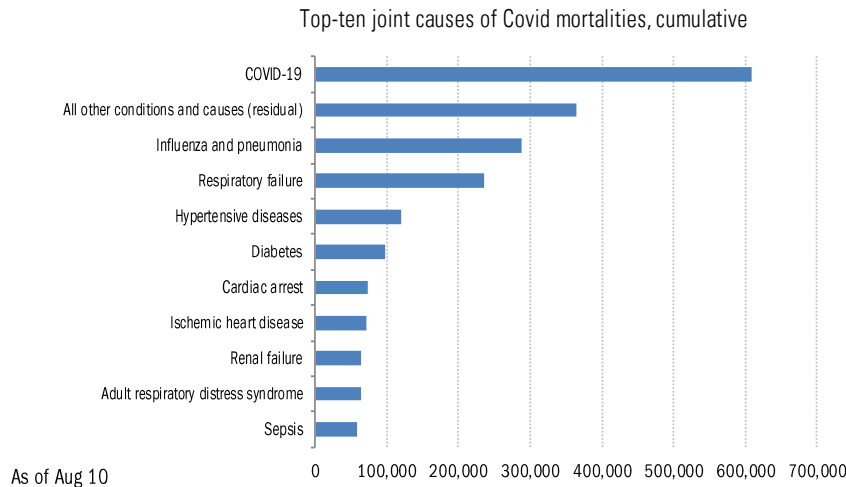
National and state-by-state data do not line up because of different sources



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

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

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

[Doubts, Anger and Anxiety: What It's Like to Go to School Now](#)

Dana Goldstein and Tariro Mzezewa
New York Times
August 15, 2021

[The Birds on My Balcony Have Taught Me a Lot About the Pandemic](#)

Ben Crair
New York Times
August 14, 2021

[Texas Supreme Court Temporarily Suspends Local Mask Mandates](#)

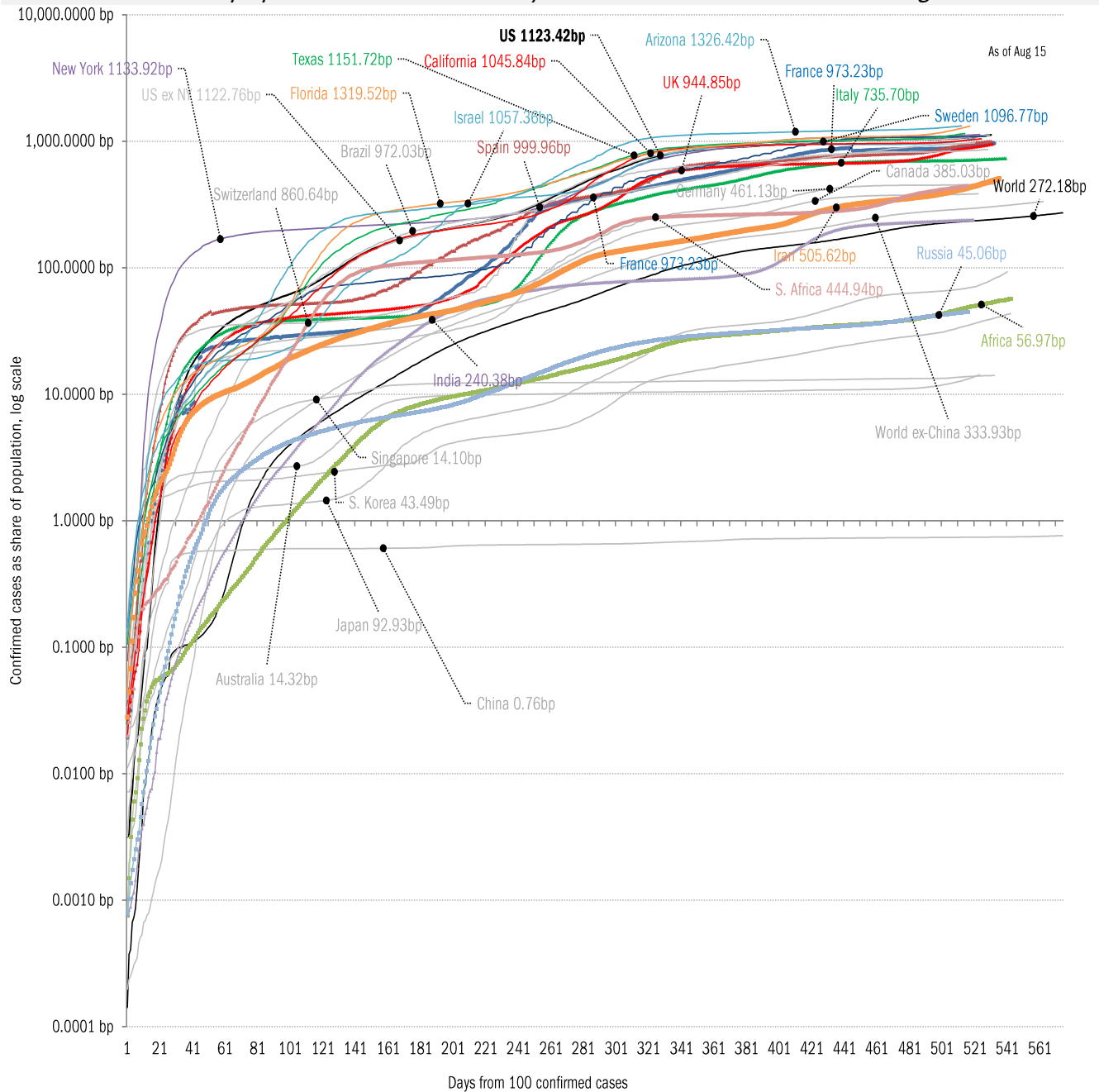
Laurel Brubaker Calkins
Bloomberg
August 15, 2021

Meme of the day



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

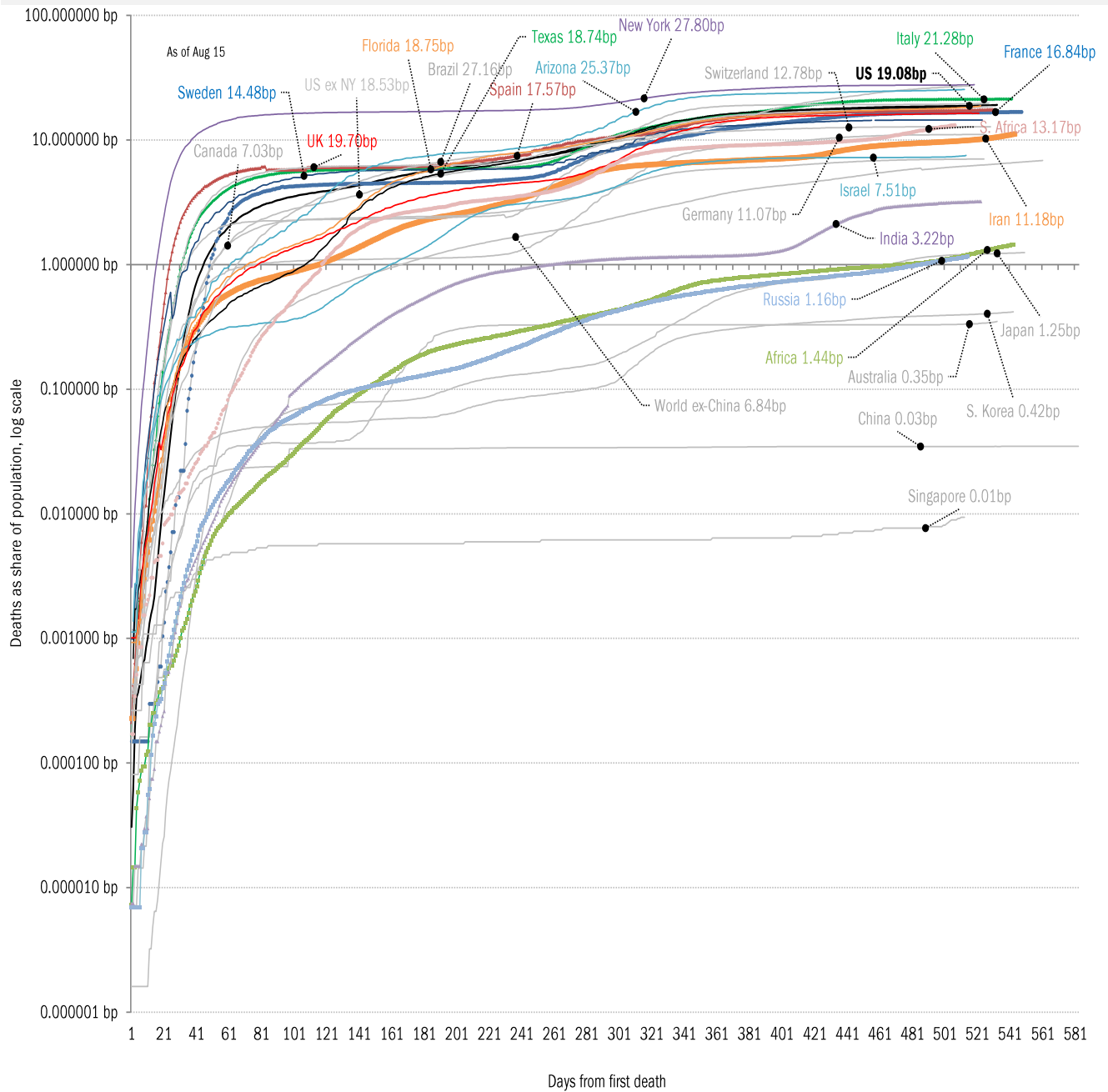
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

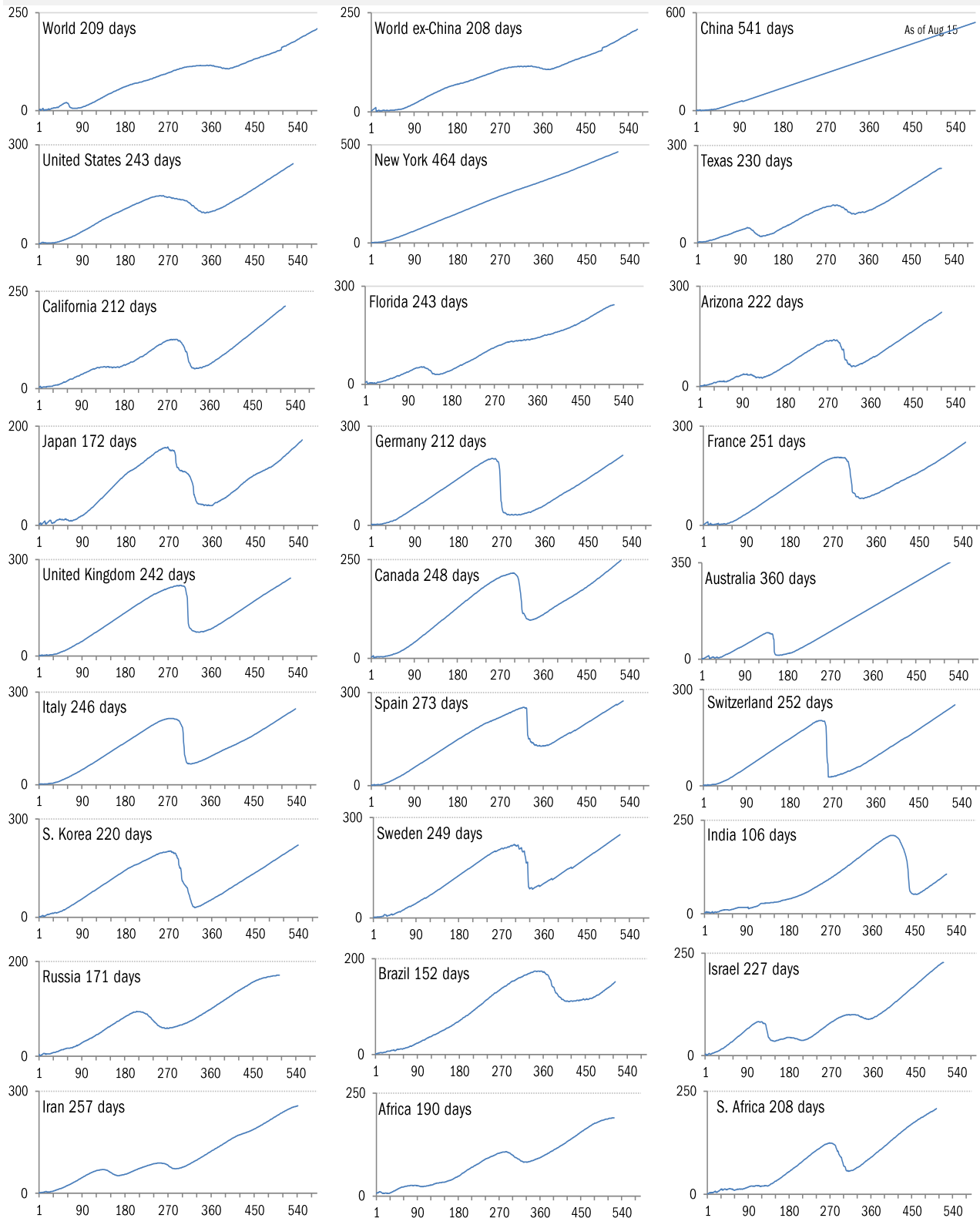


Source: [Johns Hopkins](#), TrendMacro calculations

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

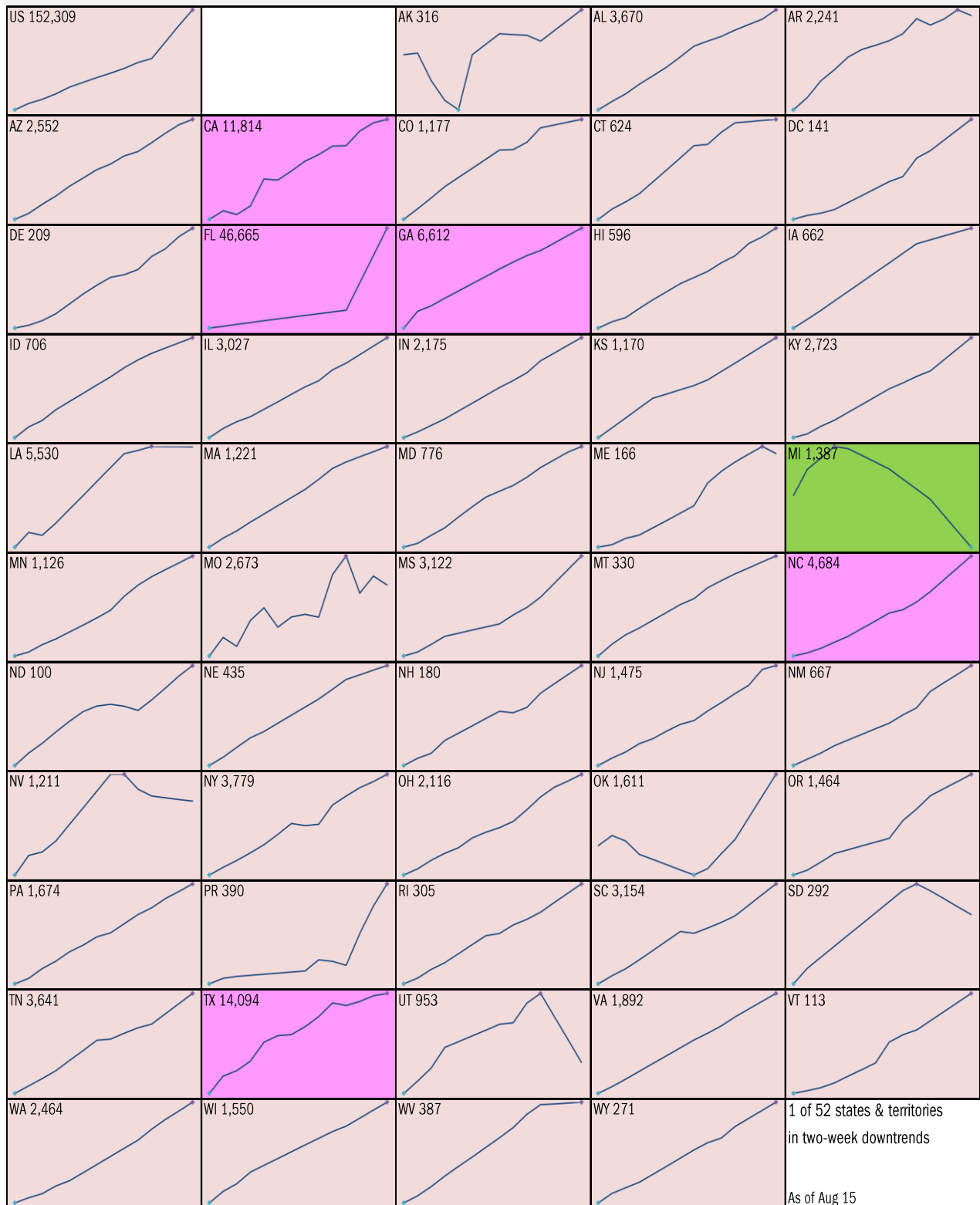
Vertical: days to double deaths Horizontal: days from first death

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

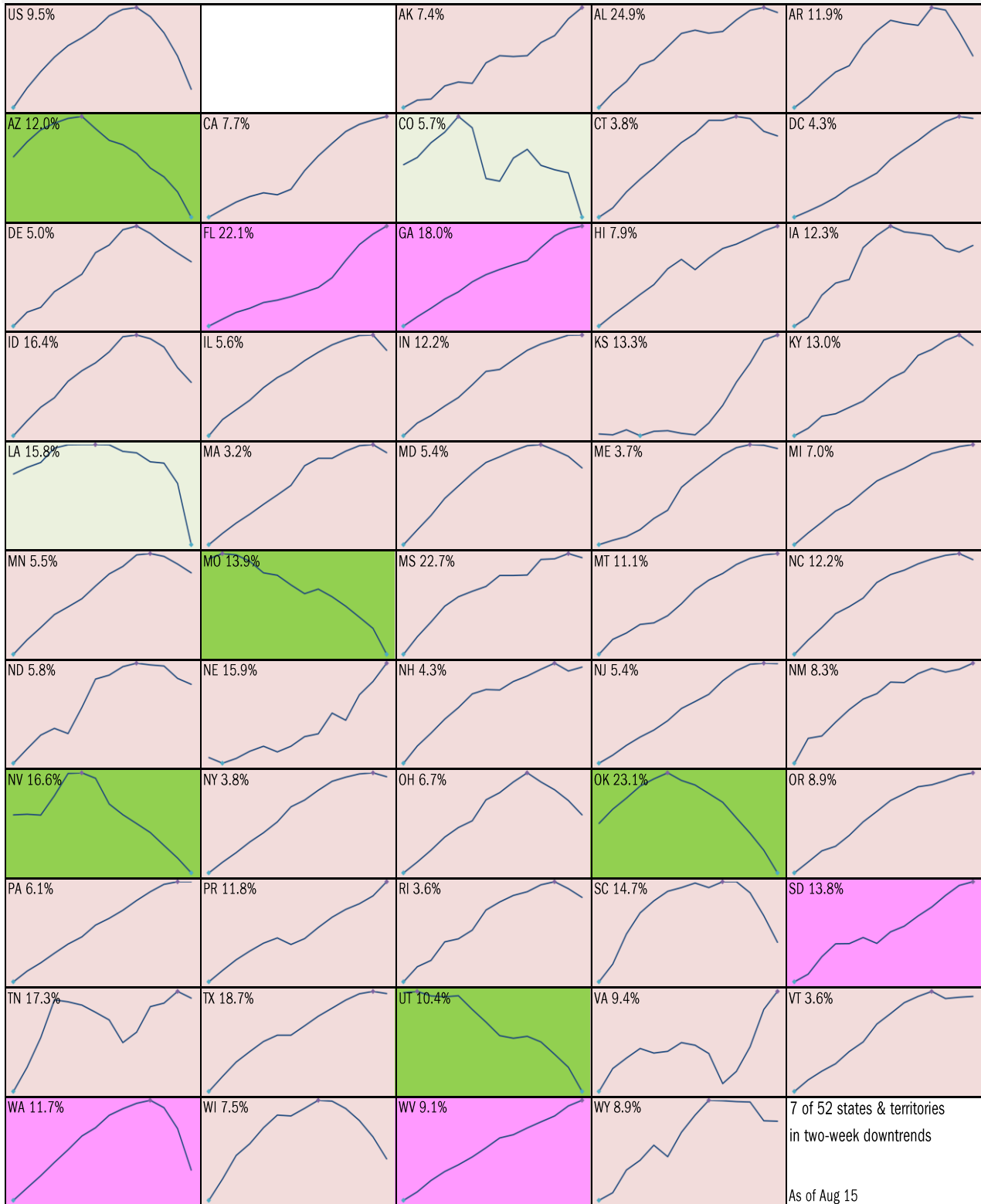


Source: [Johns Hopkins](#), TrendMacro calculations

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

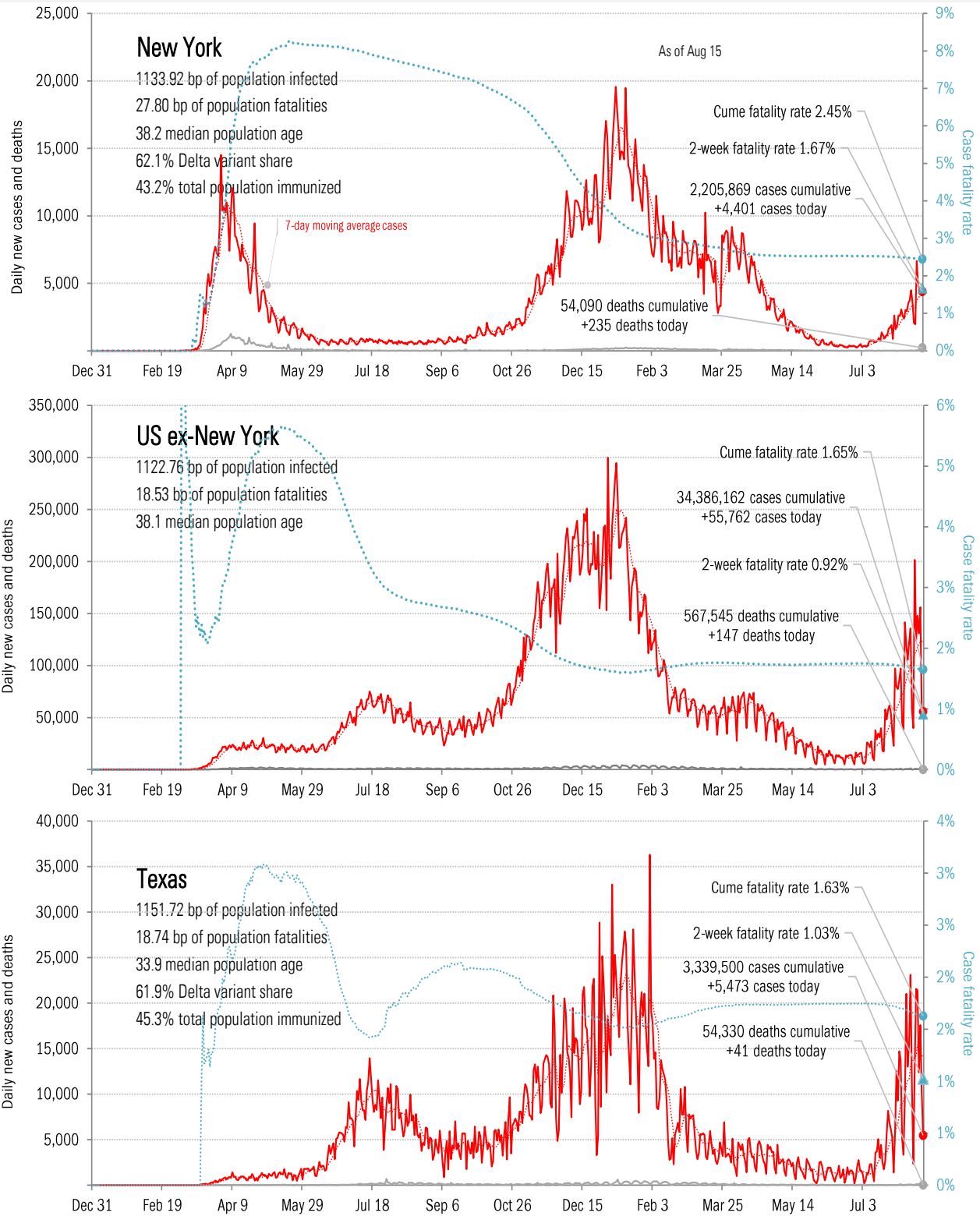
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



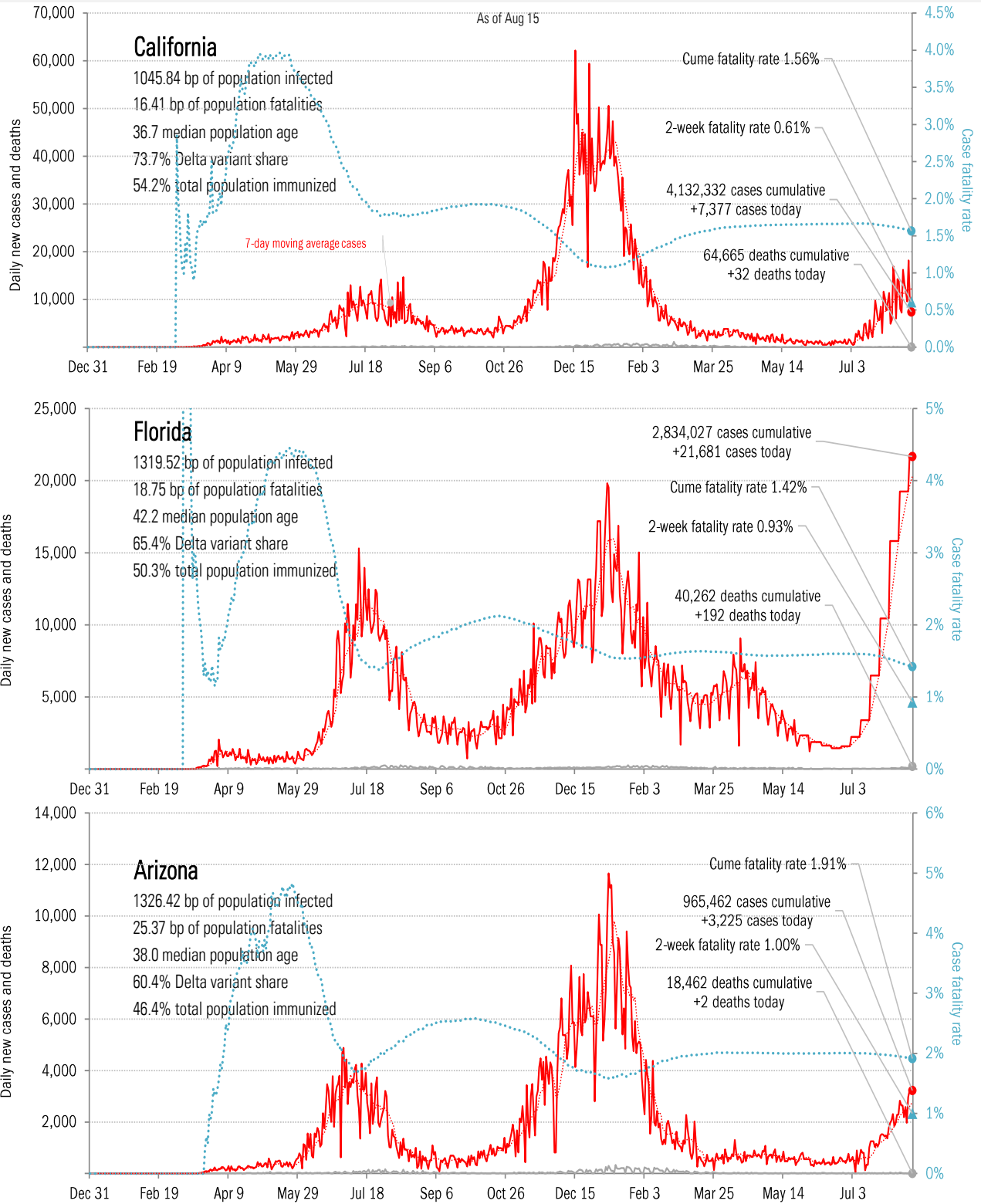
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



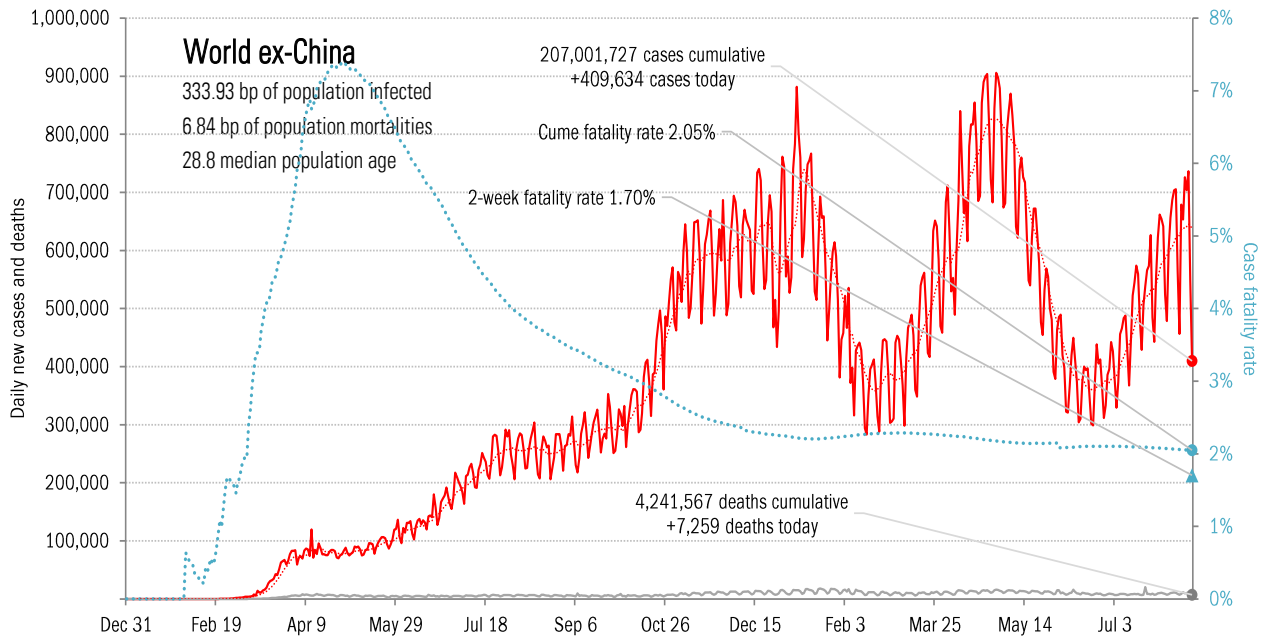
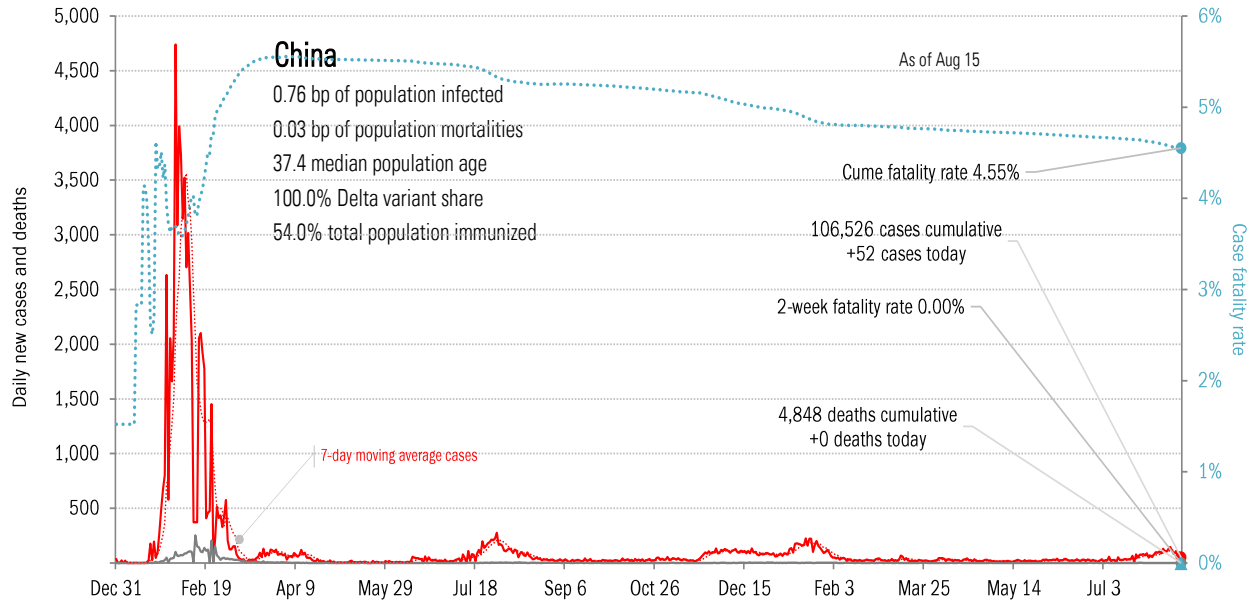
Source: [Johns Hopkins](#), TrendMacro calculations

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



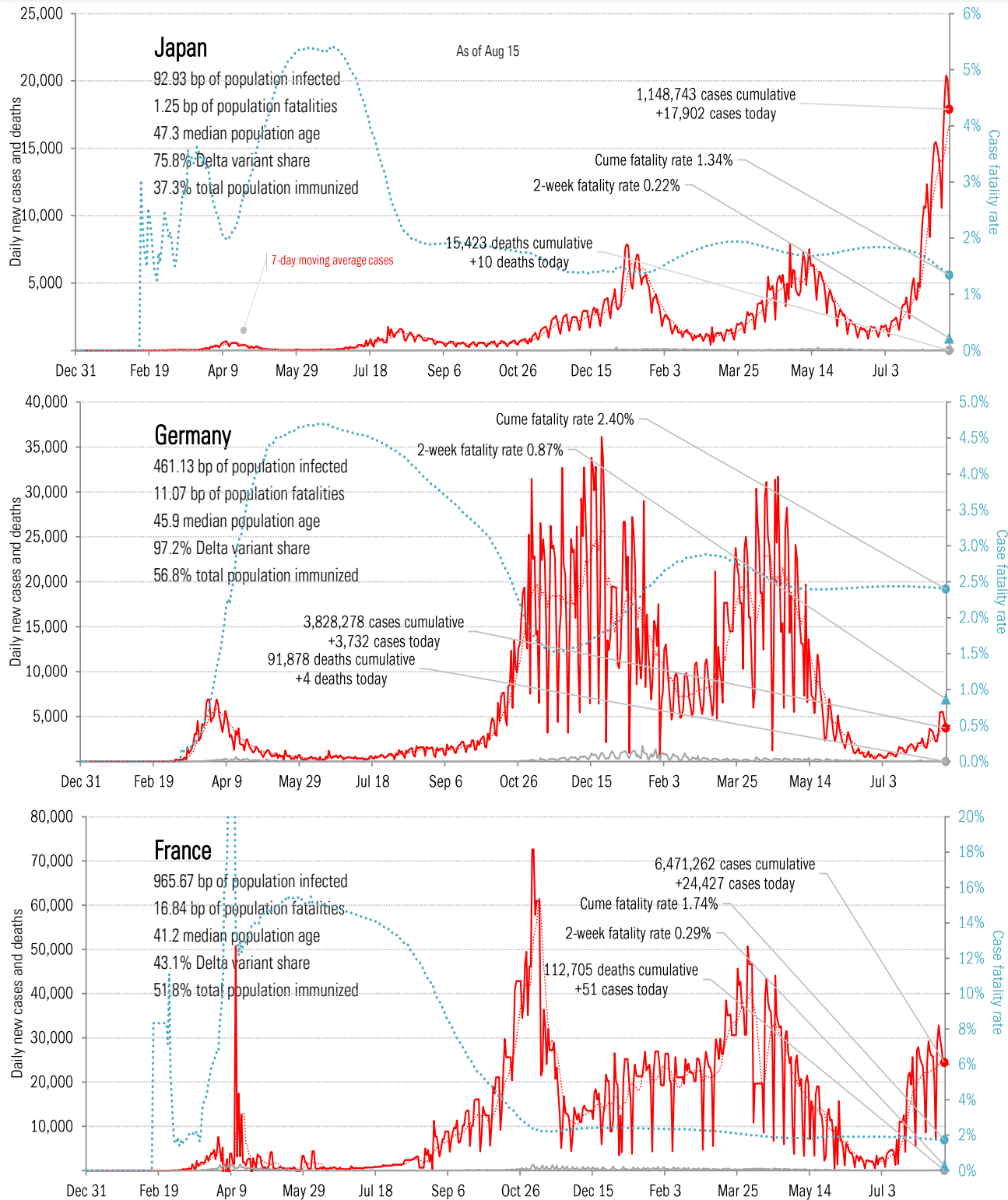
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



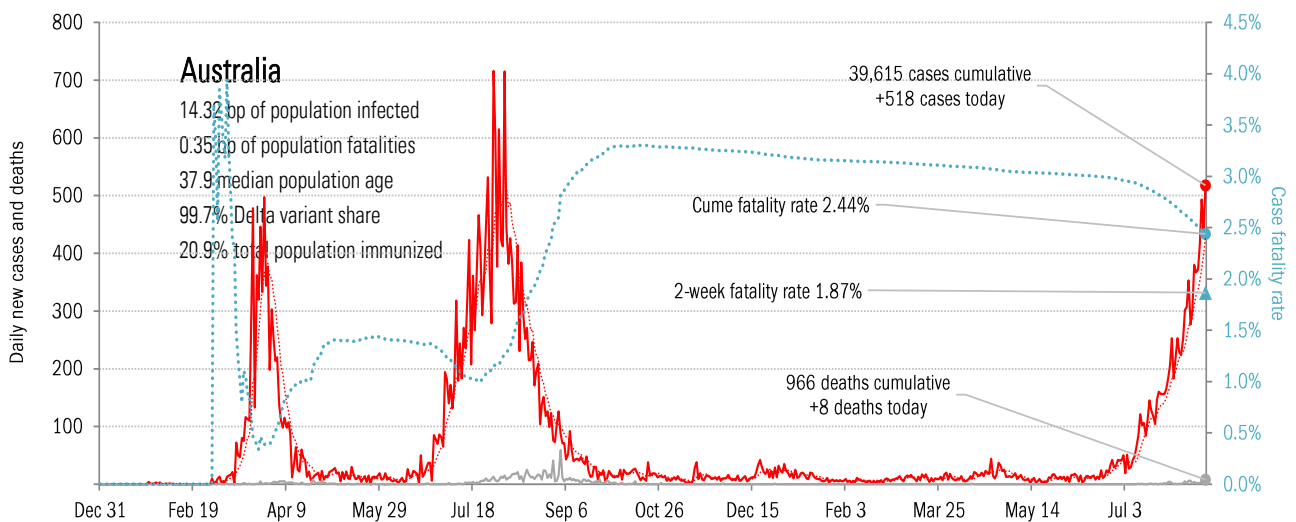
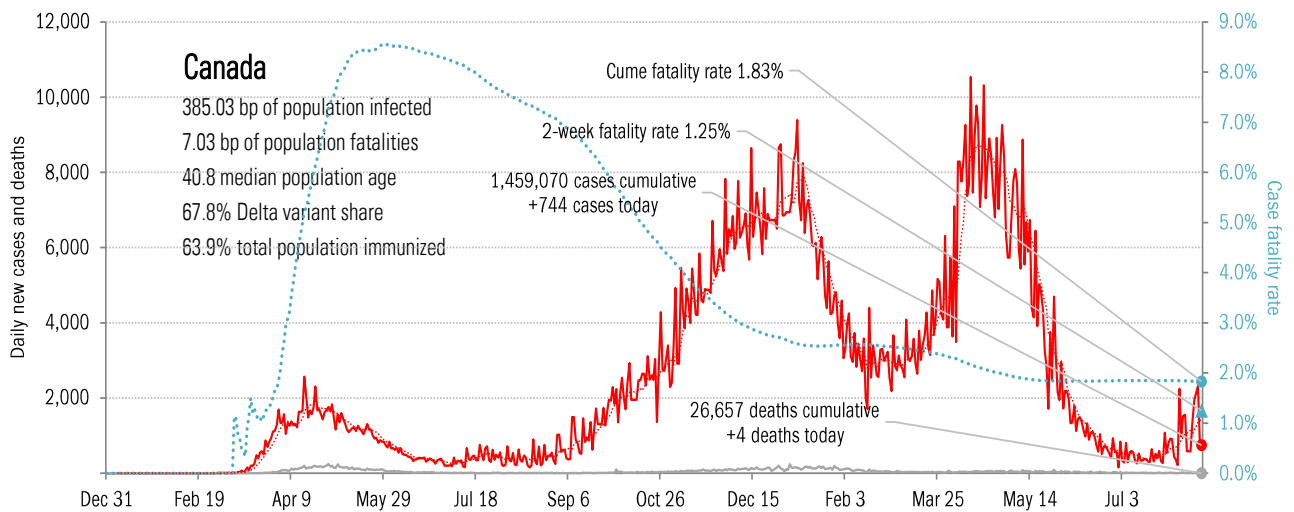
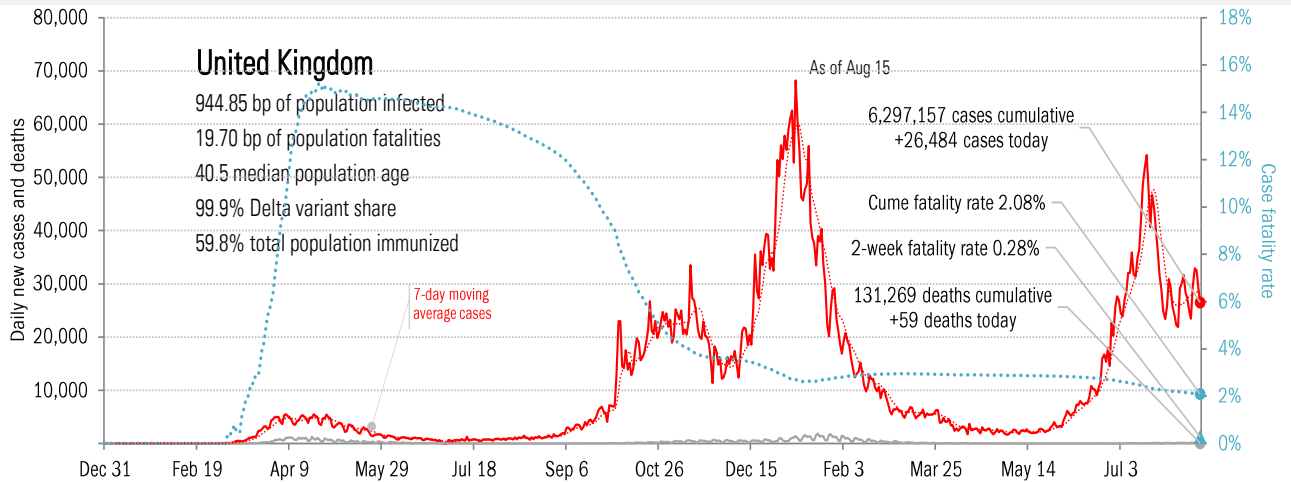
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



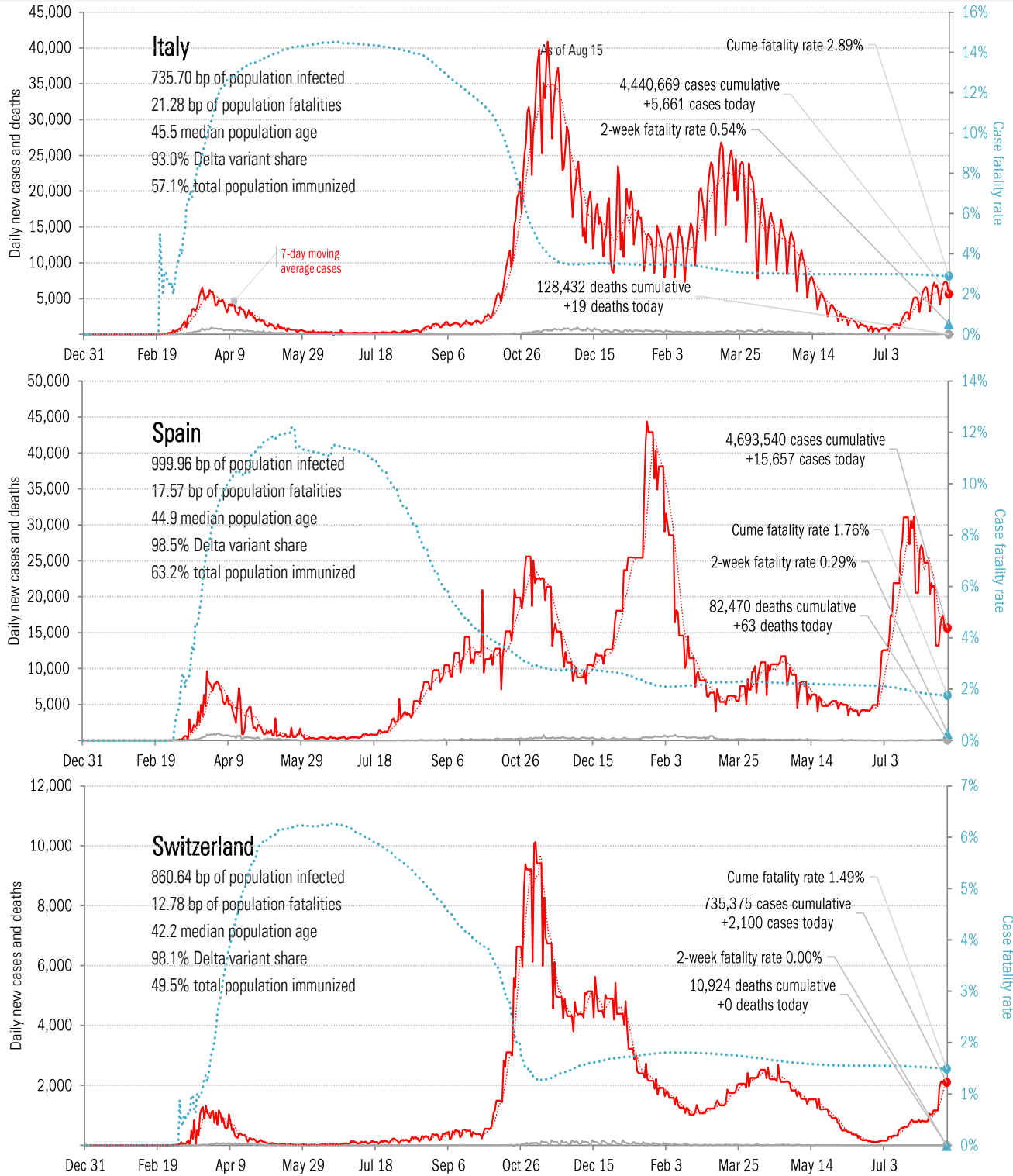
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



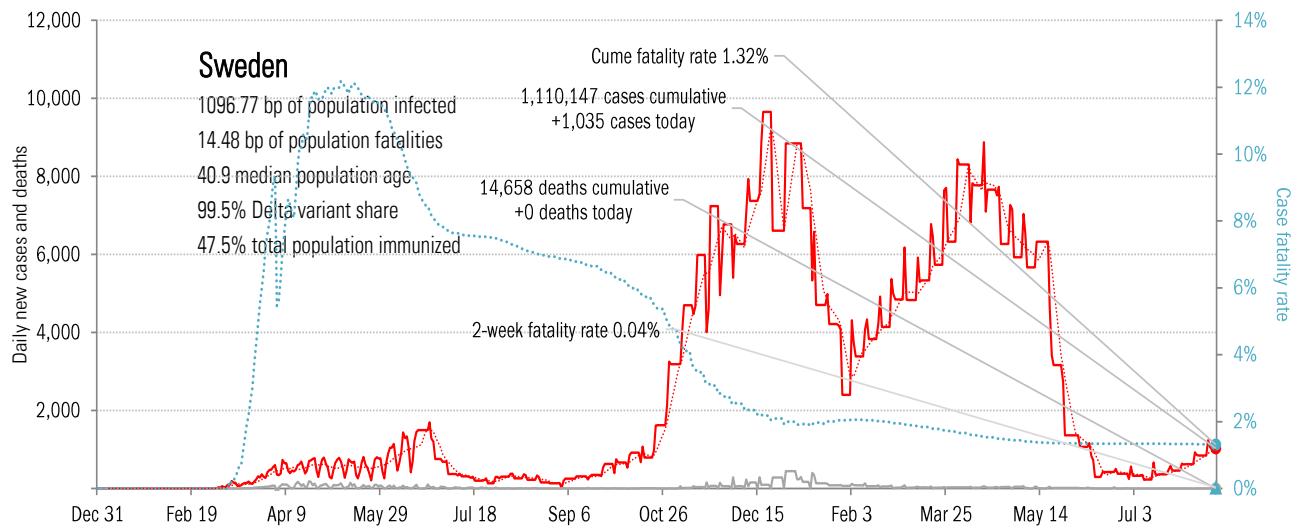
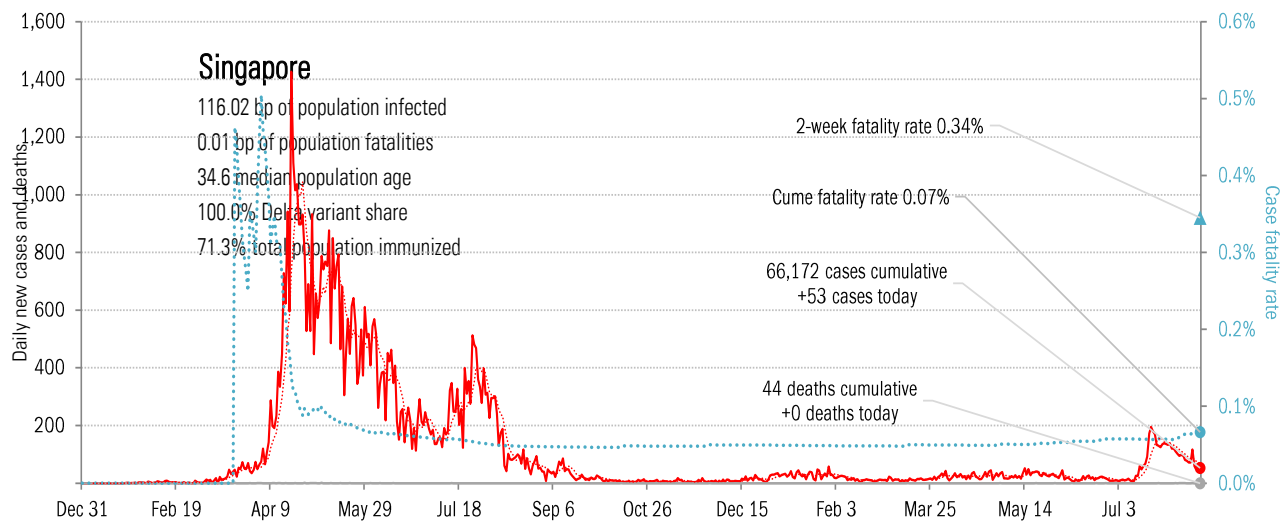
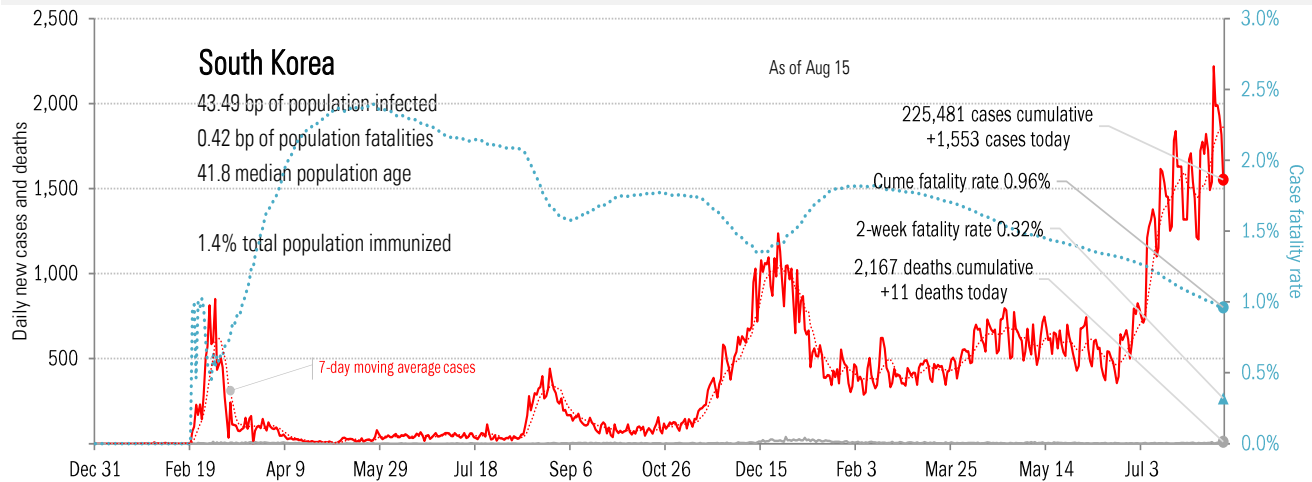
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



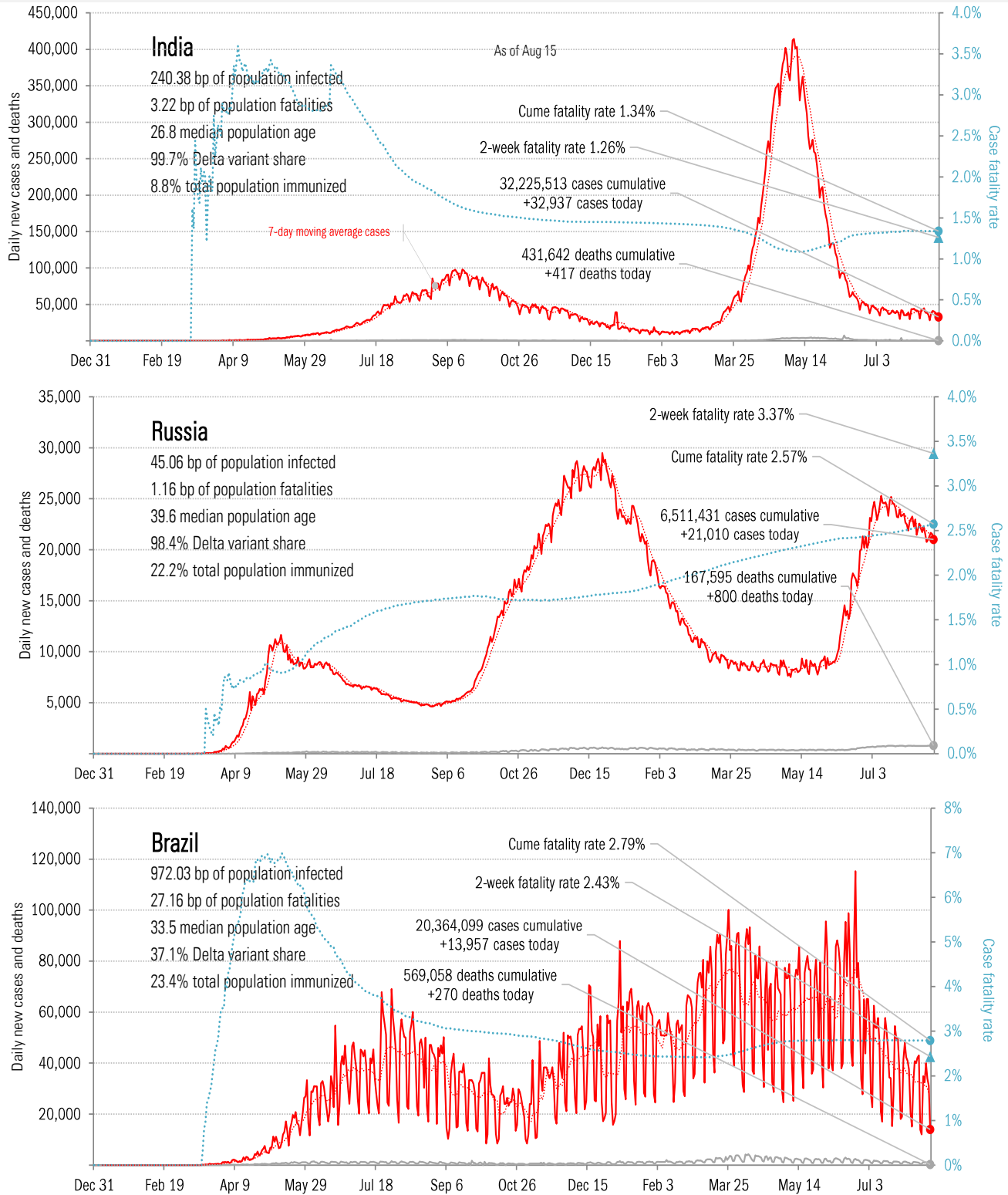
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



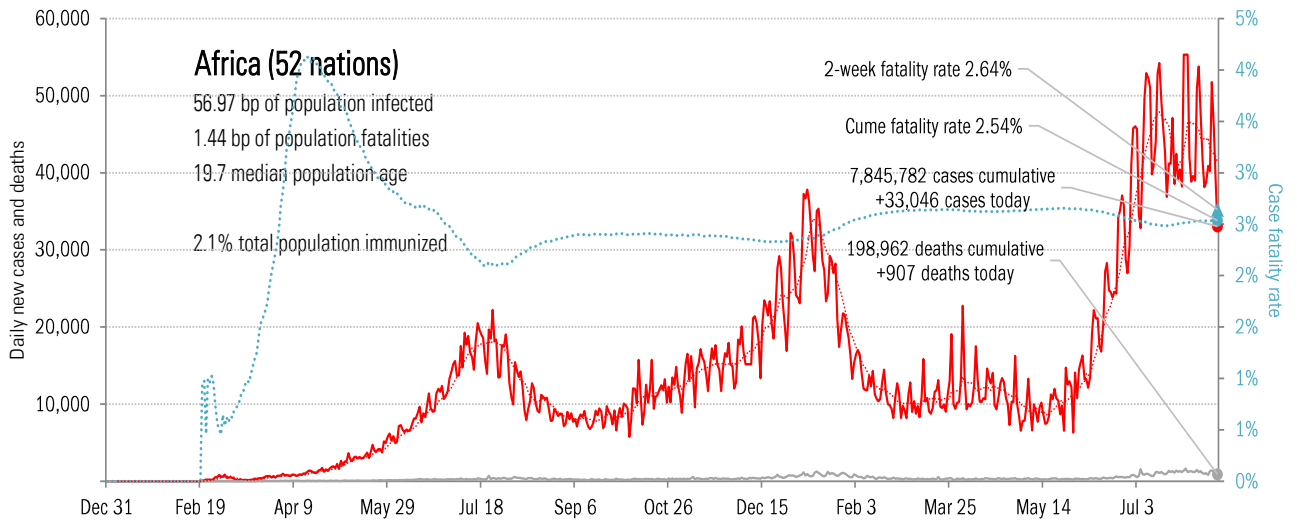
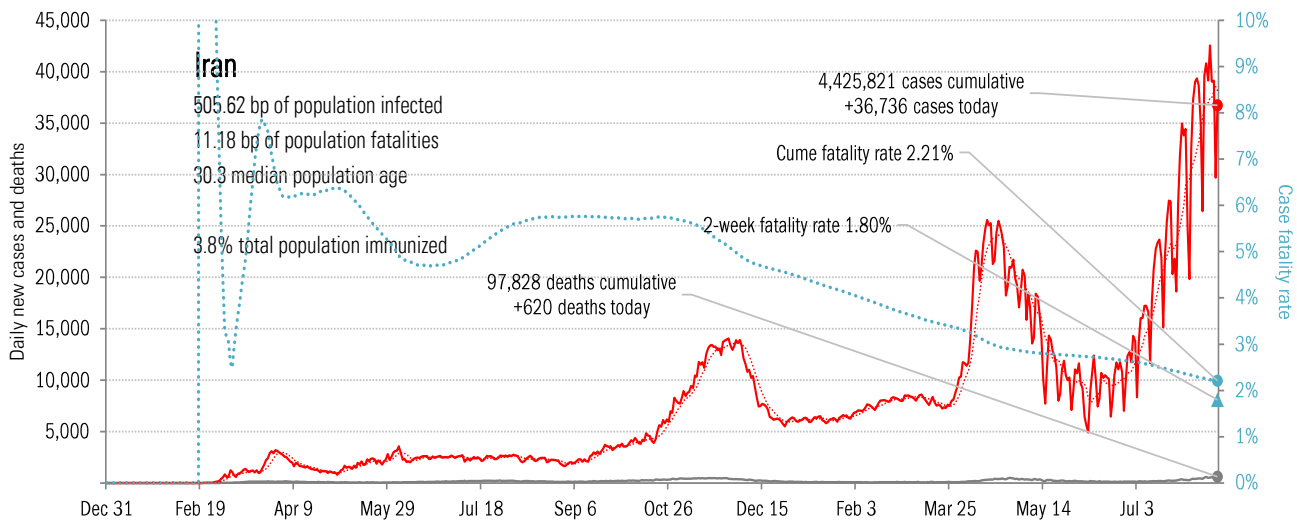
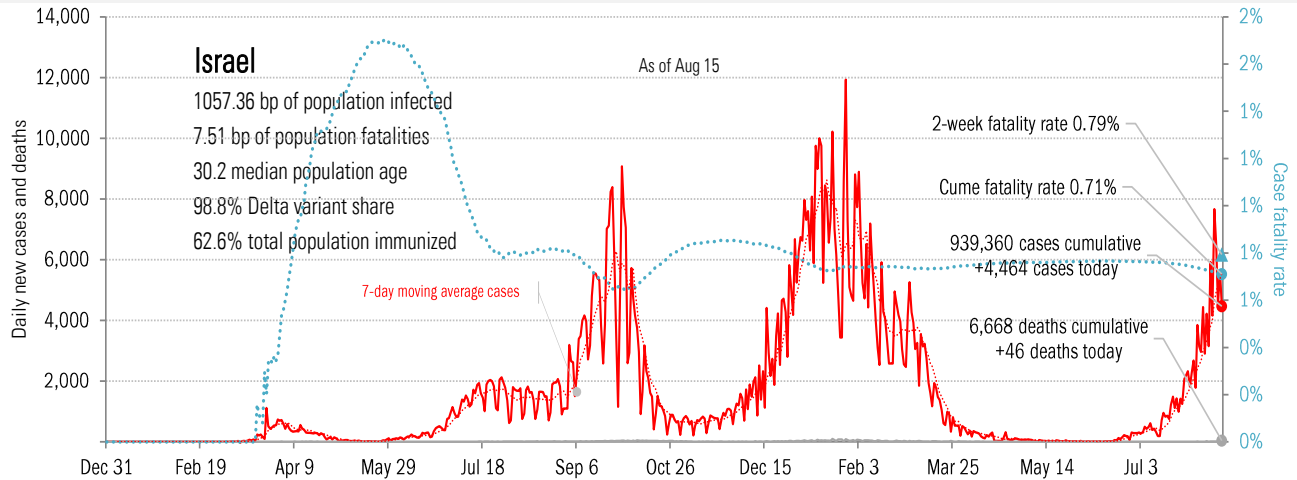
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



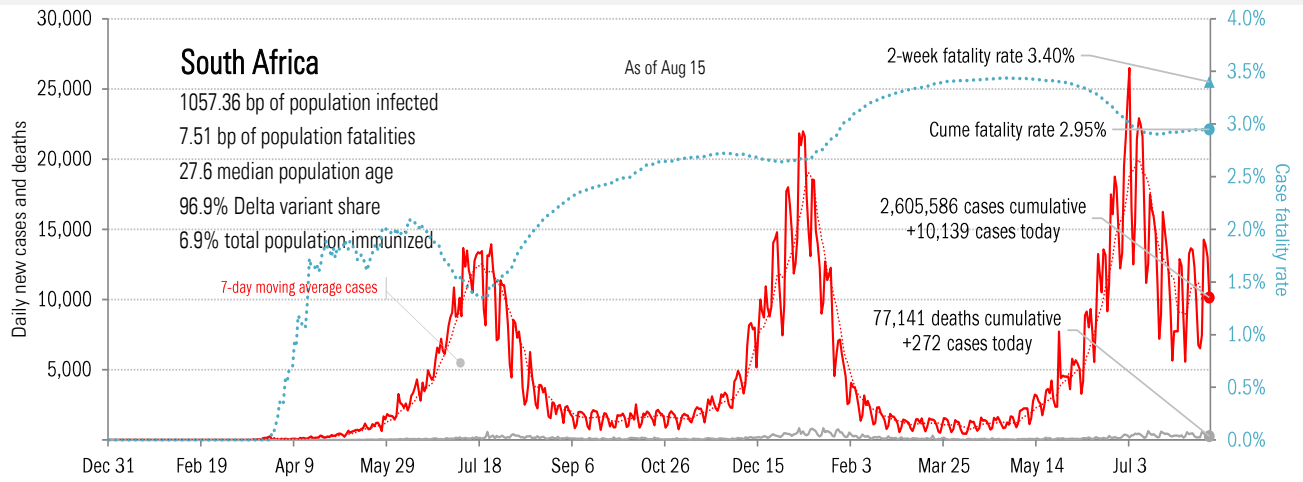
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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