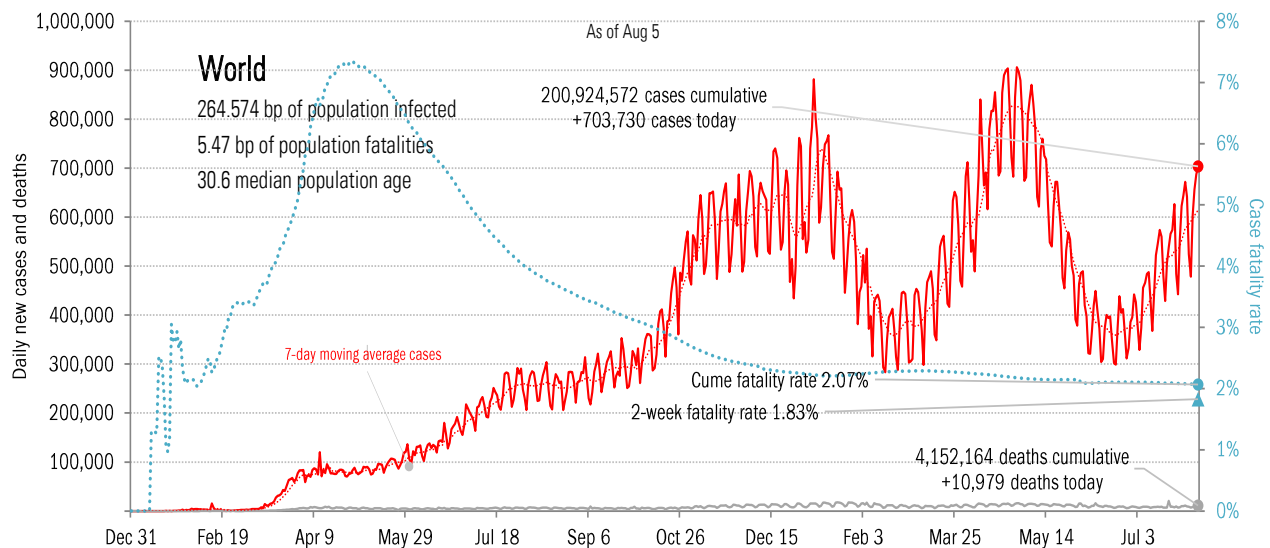
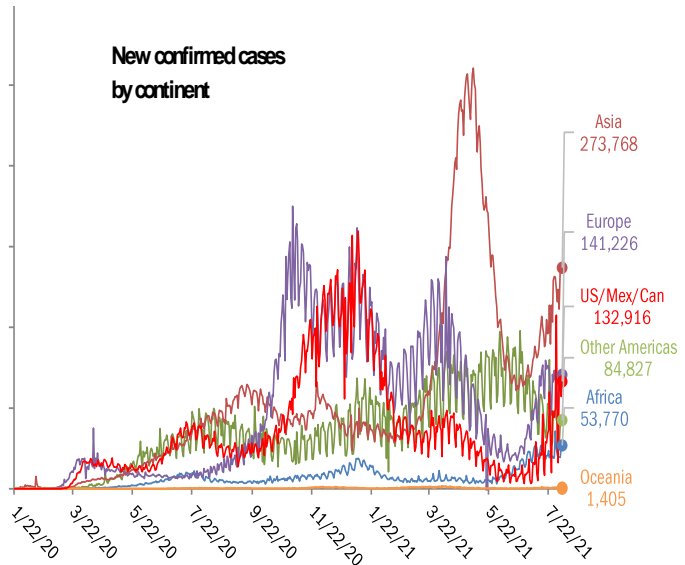


Data Insights: Covid-2019 Monitor

Friday, August 6, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+125,642	Indonesia	+1,739
India	+44,643	Brazil	+1,099
Brazil	+40,054	Kazakhstan	+832
Iran	+38,674	Russia	+771
Indonesia	+35,764	Mexico	+618
United Kingdom	+30,009	United States	+535
France	+26,949	India	+464
Turkey	+24,297	South Africa	+458
Russia	+22,564	Iran	+434
Mexico	+21,569	Vietnam	+393
+410,165		+7,343	
World	+703,730	World	+10,979
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

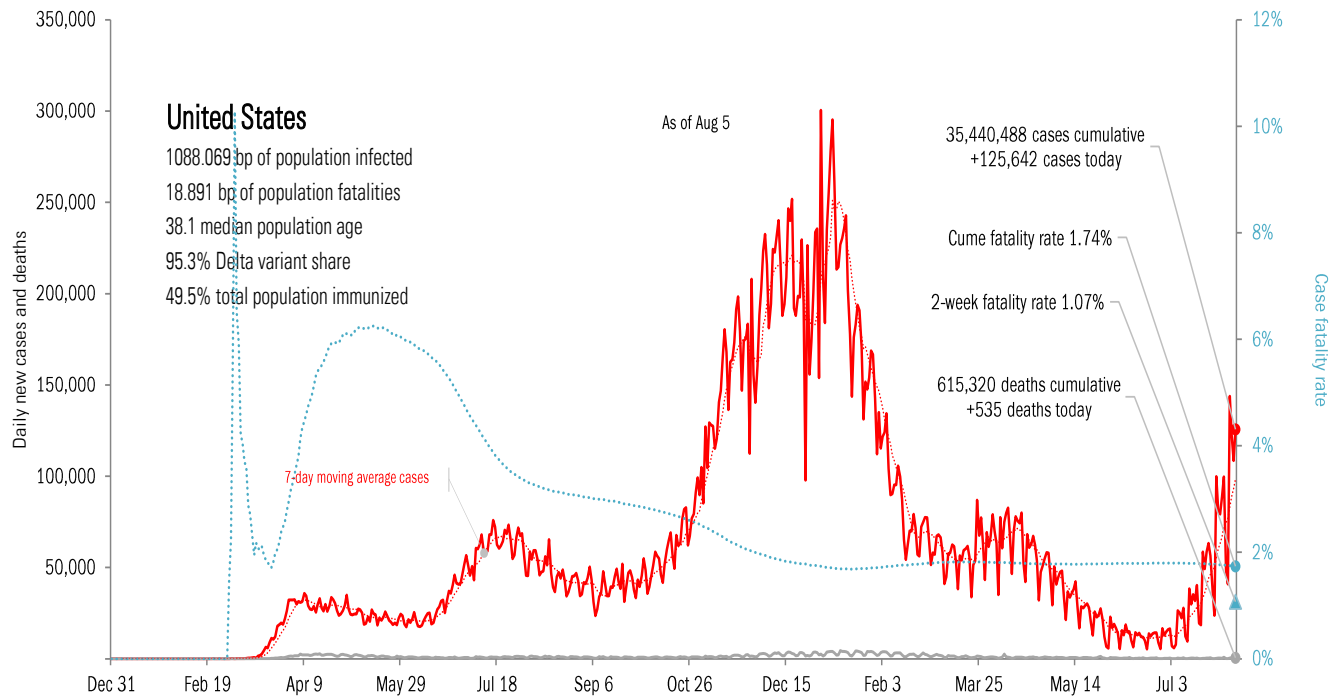
The ten worst US states

New cases			New Deaths		New in hospital		Curre cases			Curre deaths		Curre in hospital		Hospital use		ICU use	
FL	+15,818		TX	+81	FL	+472	CA	4,018,046	CA	64,694	TX	270,711	RI	91%	MO	35%	
TX	+15,539		CA	+74	GA	+263	TX	3,201,476	NY	53,691	CA	251,233	MO	85%	AR	33%	
CA	+14,259		FL	+52	CA	+214	FL	2,634,234	TX	53,538	FL	214,283	MA	85%	FL	32%	
GA	+5,806		LA	+33	RI	+161	NY	2,164,850	FL	39,140	NY	138,937	MD	84%	MS	30%	
LA	+5,468		GA	+32	TX	+151	IL	1,433,313	PA	27,890	GA	115,329	FL	84%	LA	27%	
NC	+4,331		KS	+28	AZ	+86	PA	1,236,887	NJ	26,629	PA	93,172	GA	84%	NV	26%	
KS	+4,187		NV	+26	AL	+83	GA	1,205,434	IL	25,923	CH	90,172	PA	82%	AK	26%	
MO	+4,048		MO	+24	LA	+82	CH	1,136,934	GA	21,767	IL	85,162	SC	81%	TX	24%	
AL	+3,817		NC	+24	MO	+70	NC	1,066,631	MI	21,216	KY	81,384	CT	81%	OK	24%	
NY	+3,536		AR	+17	SC	+61	NJ	1,045,168	CH	20,530	MI	74,303	NV	80%	AL	23%	
+76,809			+391		+1,643		19,142,973			355,018		1,414,686					
All states	+125,642		+587		+2302		All states	35,440,488	615,320		2,517,114		All states	70%	67%		
Top ten	61%		67%		71%		Top ten	54%	58%		56%		Median	73%	11%		

Some states not reporting

Five most improved US states

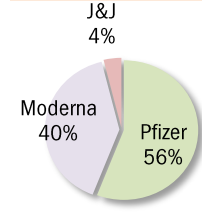
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
IA	-3,570	OK	-46	TX	-127	GA	+30 bp
FR	-934	LA	-11	FL	-66	AR	+20 bp
TN	-506	IA	-10	NJ	-42	MO	+20 bp
SD	-374	IN	-8	NC	-37	MP	+20 bp
KY	-371	PA	-8	CO	-24	NE	+20 bp



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	358,931,828		+0.880 million		US	49.5%	57.8%	
	One dose	% Pop	Immune	% pop	New immune today	UK	57.3%	69.1%
Total population	198,003,605	59%	169,943,984	51%	+0.309 million	France	49.0%	64.6%
Age 12 to 17	11,166,608	44%	8,497,706	34%	+0.060 million	Spain	60.0%	70.4%
Age 18 to 64	135,657,433	67%	115,878,579	57%	+0.212 million	Germany	53.2%	61.6%
Age 65 and over	50,955,057	93%	45,437,492	83%	+0.036 million	Italy	54.2%	64.8%
						Australia	16.7%	34.4%
						Israel	62.3%	67.0%
						Canada	60.9%	71.9%
						Japan	32.9%	45.9%
						Africa	1.9%	3.8%
						India	8.0%	27.9%
						Brazil	20.4%	50.8%
						China	15.5%	43.2%



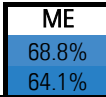
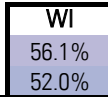
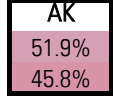
State
At least partial immunity as % population
Full immunity as % population



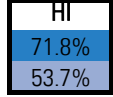
Every American >18 immune in **143 days** by Dec 25, 2021
 62.5% of population >18 immunized
 12.1% previously tested positive
74.5% vs 60% adult herd immunity*

As of Aug 5

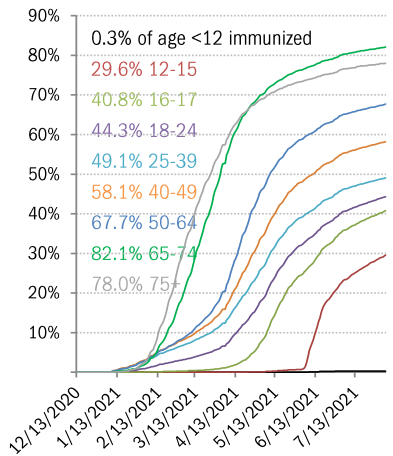
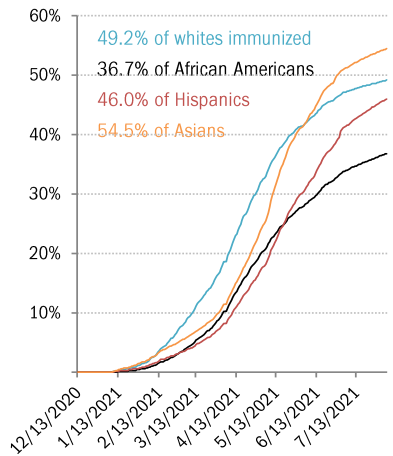
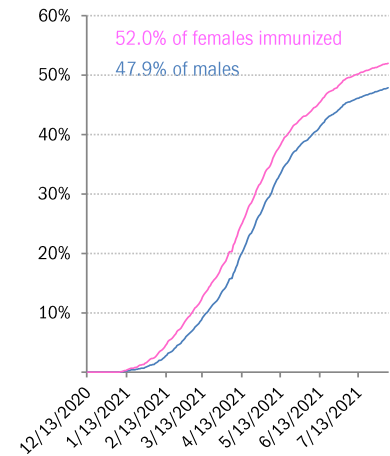
Global data differs from sources, timing



WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
64.5%	41.5%	49.8%	45.8%	59.3%	63.0%	53.5%	63.7%	75.8%	65.1%	
58.0%	37.6%	44.5%	40.3%	54.0%	48.9%	49.1%	57.5%	67.7%	58.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
61.1%	54.4%	41.8%	53.3%	53.8%	47.7%	50.3%	66.1%	66.6%	73.1%	
56.2%	44.8%	36.7%	47.2%	49.9%	44.5%	46.7%	52.8%	58.8%	64.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
65.5%	52.6%	60.8%	54.7%	49.5%	52.8%	46.2%	62.3%	65.3%	70.4%	68.1%
53.3%	45.1%	54.7%	49.9%	41.8%	46.0%	39.1%	54.8%	59.2%	63.6%	61.9%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	53.6%	66.1%	54.0%	48.3%	45.4%	51.8%	47.5%	64.5%	61.2%	
	45.5%	57.5%	45.5%	37.2%	39.4%	44.0%	40.9%	55.1%	53.1%	
			OK	LA	MS	AL	GA			
			48.8%	43.4%	40.8%	44.2%	47.2%			
			40.6%	37.2%	34.8%	34.6%	39.0%			
			TX					FL		PR
			52.5%					58.8%		69.2%
			44.3%					49.3%		60.2%



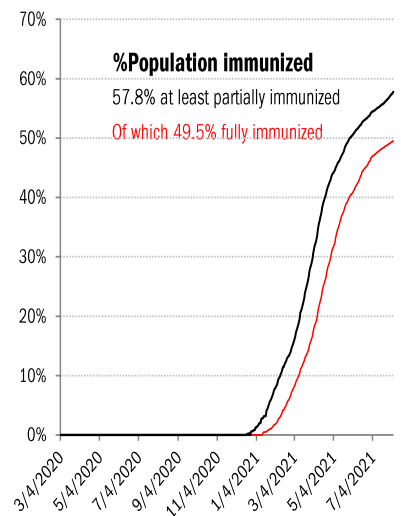
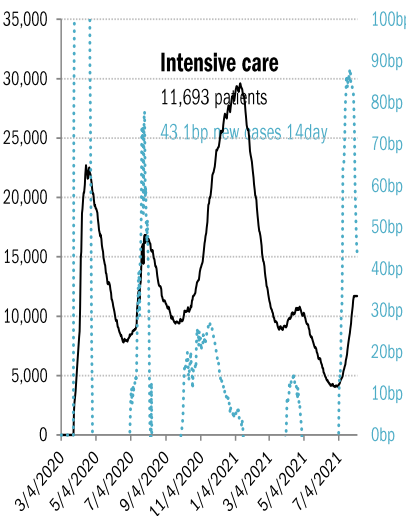
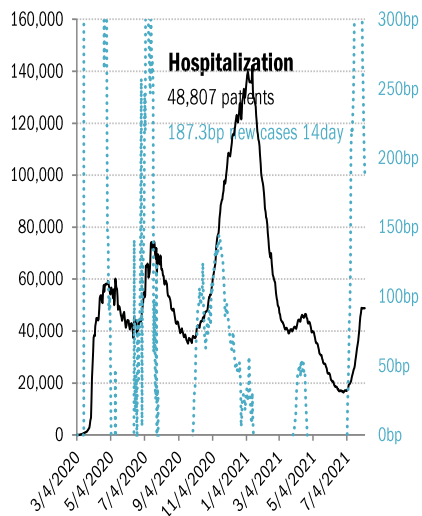
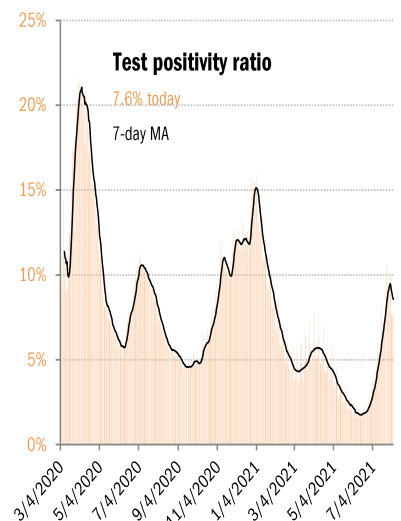
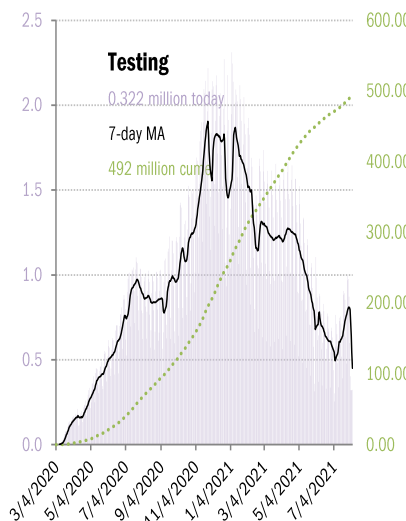
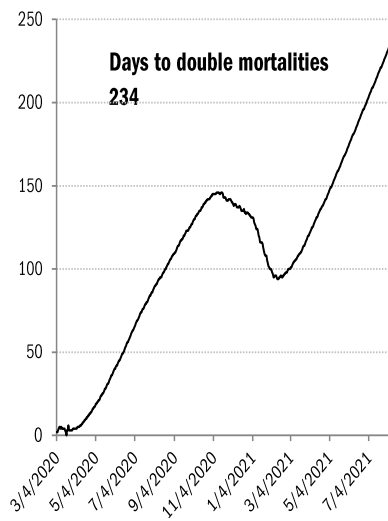
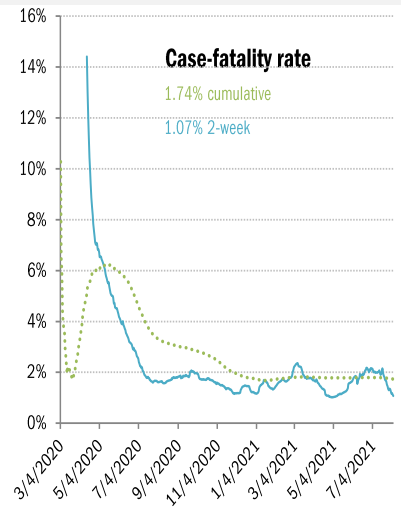
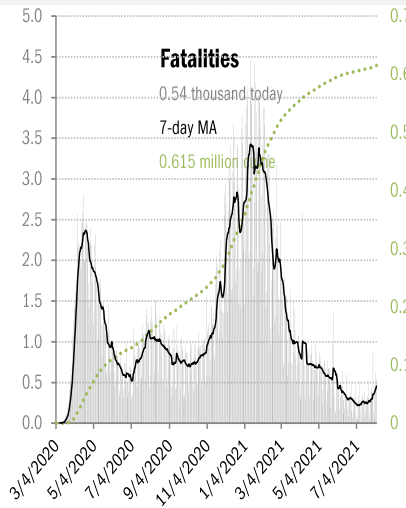
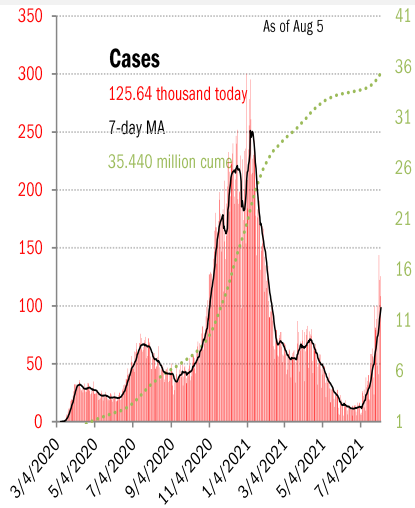
The demographics of US vaccination



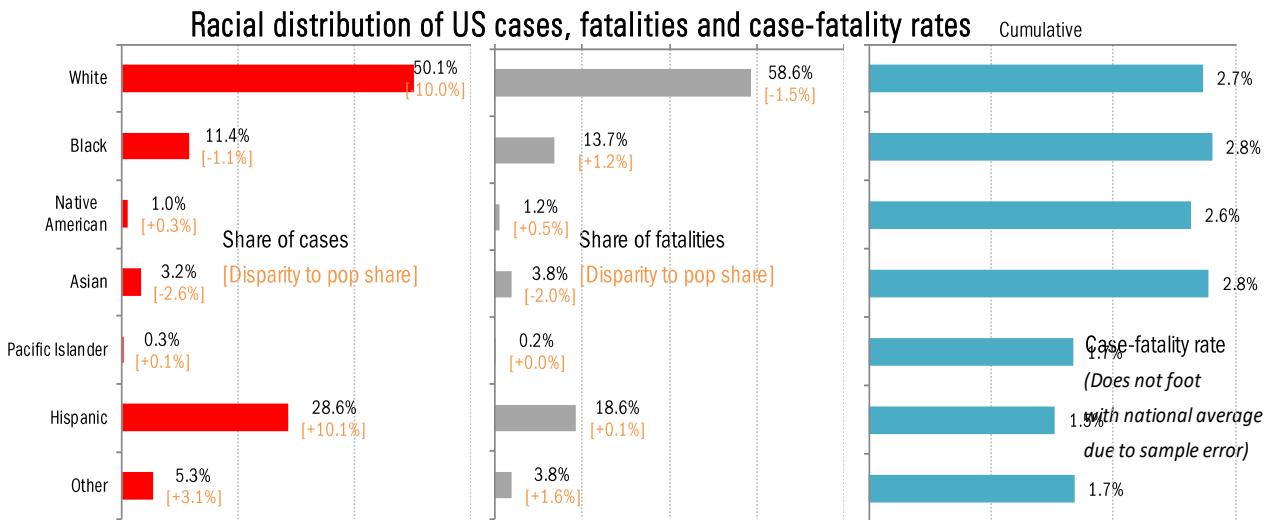
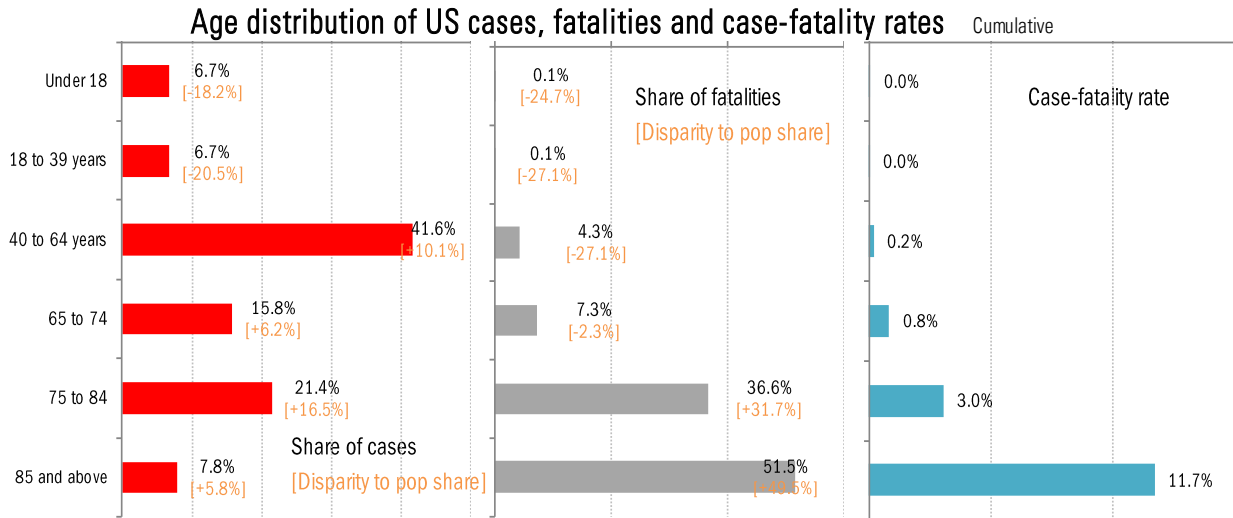
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

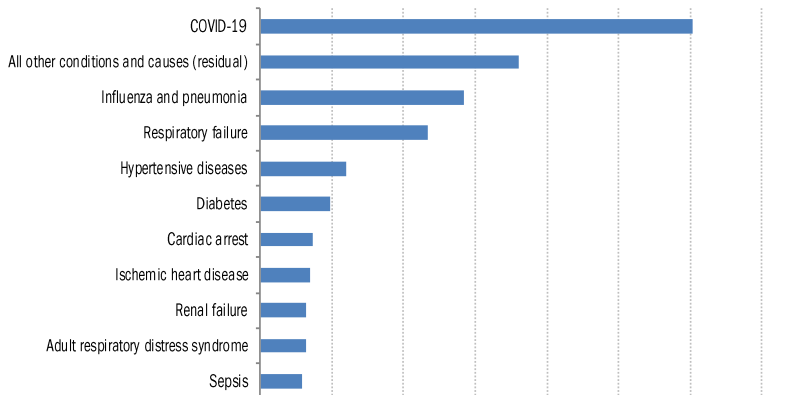


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jul 25

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 smear campaign against the Great Barrington Declaration](#)

Martin Kuldorff and Jay Bhattacharya
Spiked
August 2, 2021

[Eradication of Covid Is a Dangerous and Expensive Fantasy](#)

Jay Bhattacharya and Donald J. Boudreaux
Wall Street Journal
August 4, 2021

[Could the Covid Vaccine \(and Others\) Prevent Alzheimer's?](#)

Allysia Finley
Wall Street Journal
August 5, 2021

[New York City's Vaccine Passport Plan Renews Online Privacy Debate](#)

Erin Woo and Kellen Browning
New York Times
August 4, 2021

[Cognitive deficits in people who have recovered from COVID-19](#)

Adam Hampshire et al.
EClinical Medicine
July 22, 2021

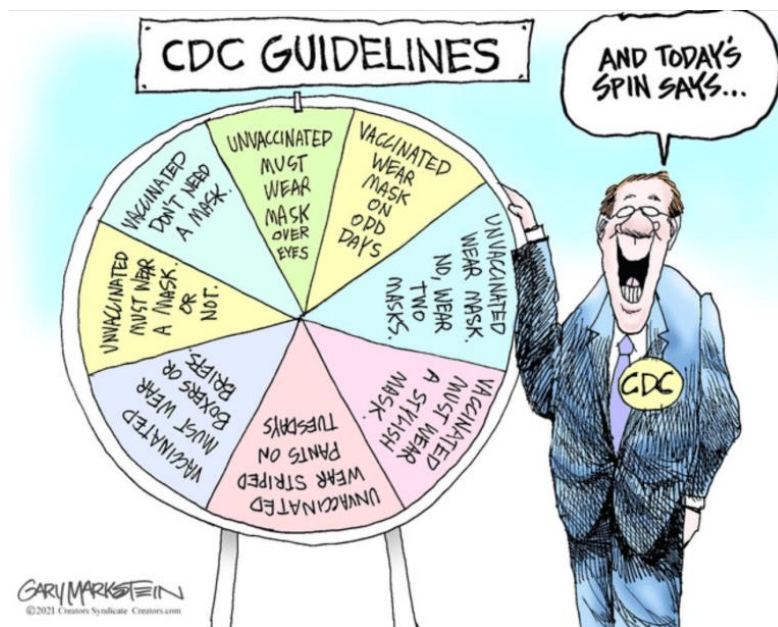
[Scientific Journal Paper Suggests Making It A 'Federal Hate Crime' To Criticize Fauci.](#)

Natalie Winters
National Pulse
August 3, 2021

[Mounting antiscience aggression in the United States](#)

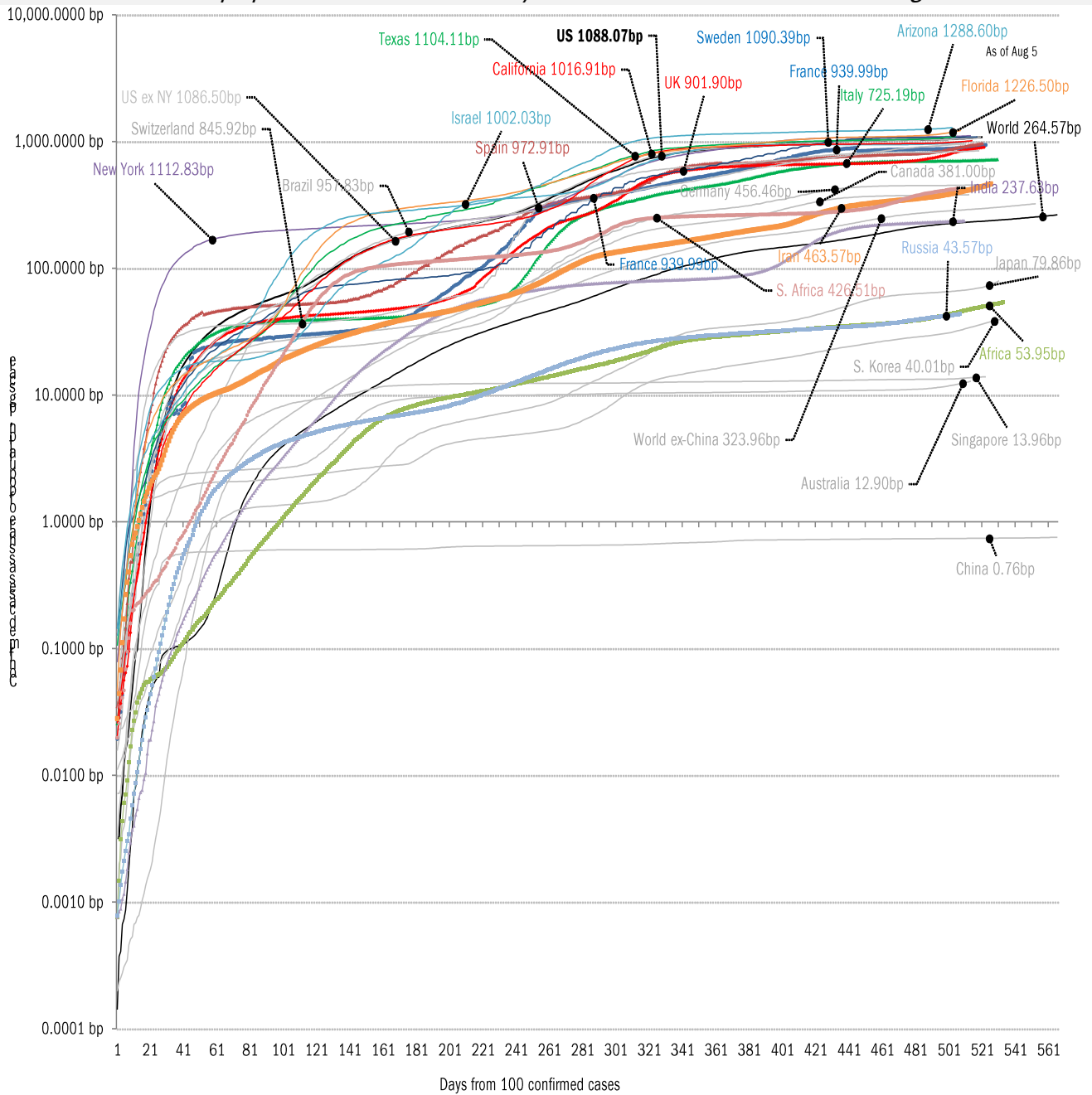
Peter J. Hotez
PLOS Biology
July 28, 2021

Meme of the day



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

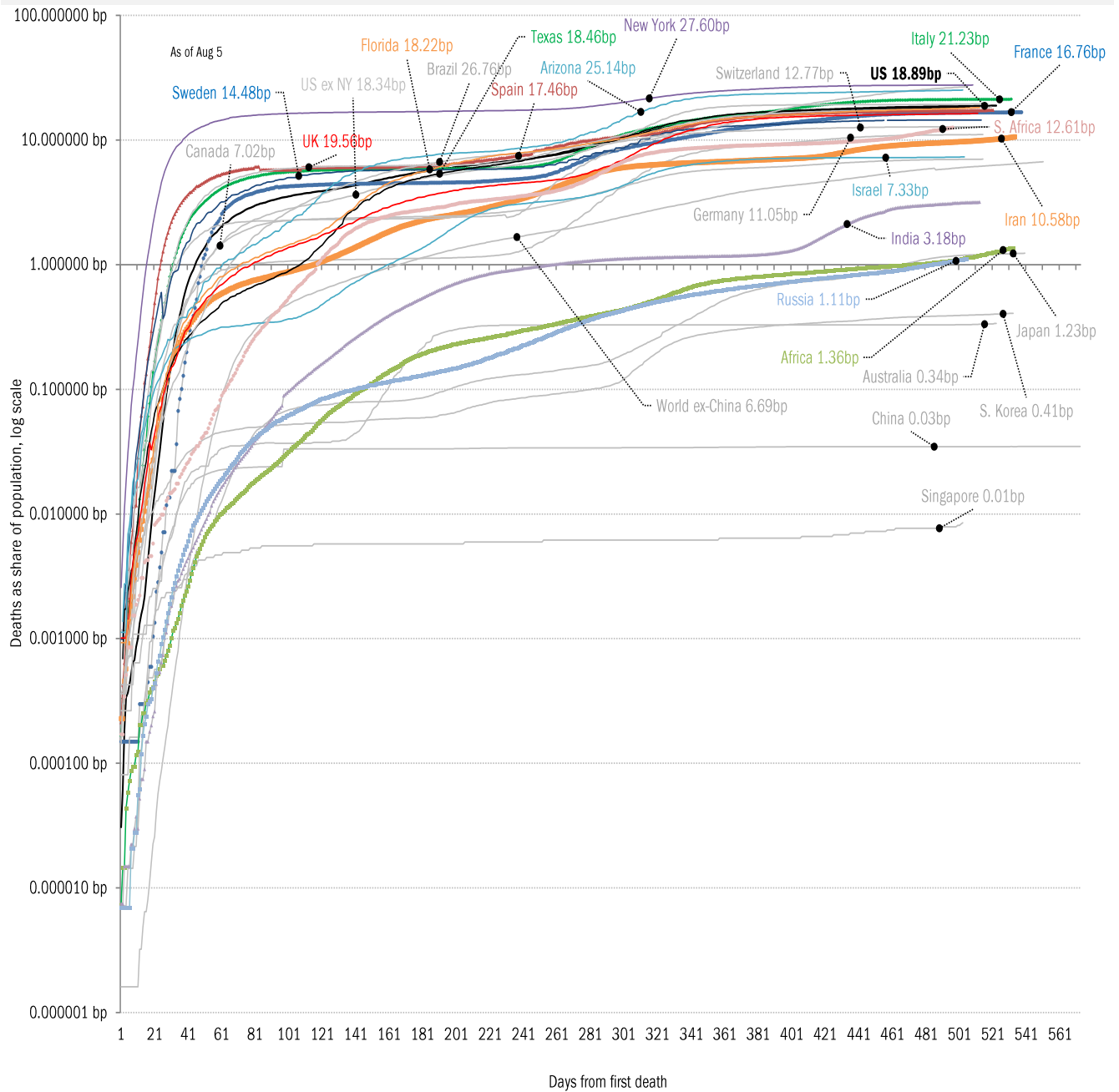
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

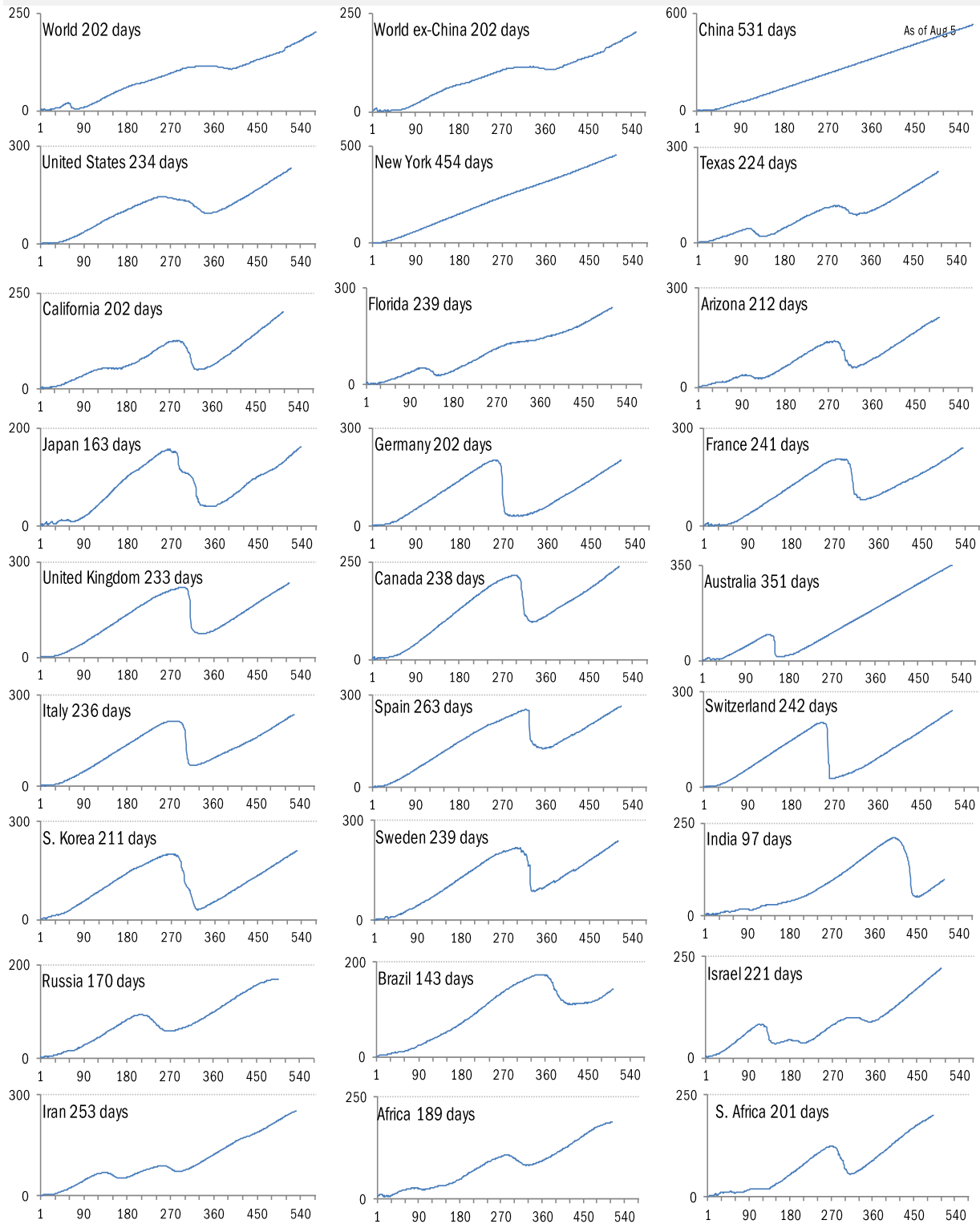


Source: [Johns Hopkins](#), TrendMacro calculations

"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

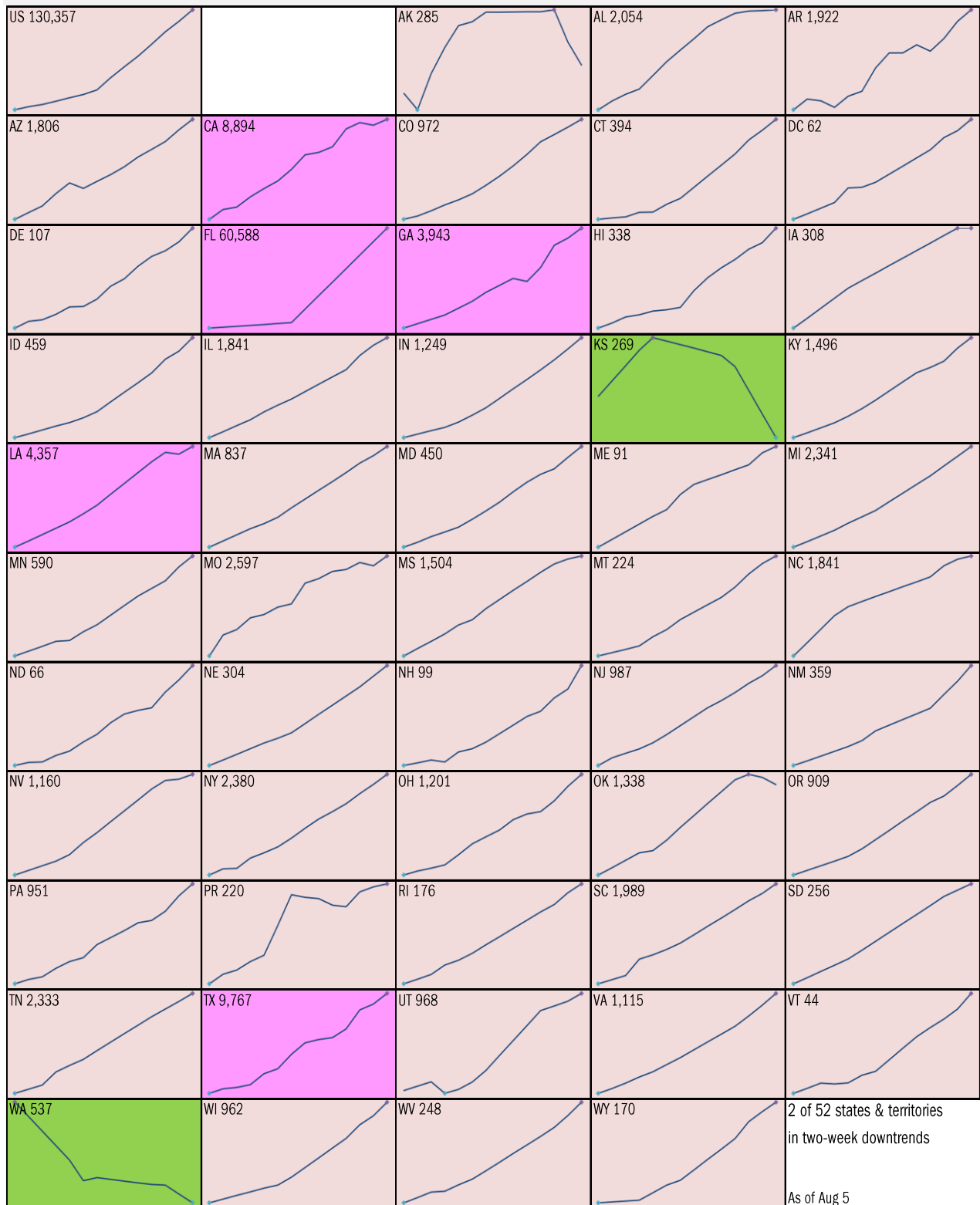


Source: [Johns Hopkins](#), TrendMacro calculations

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

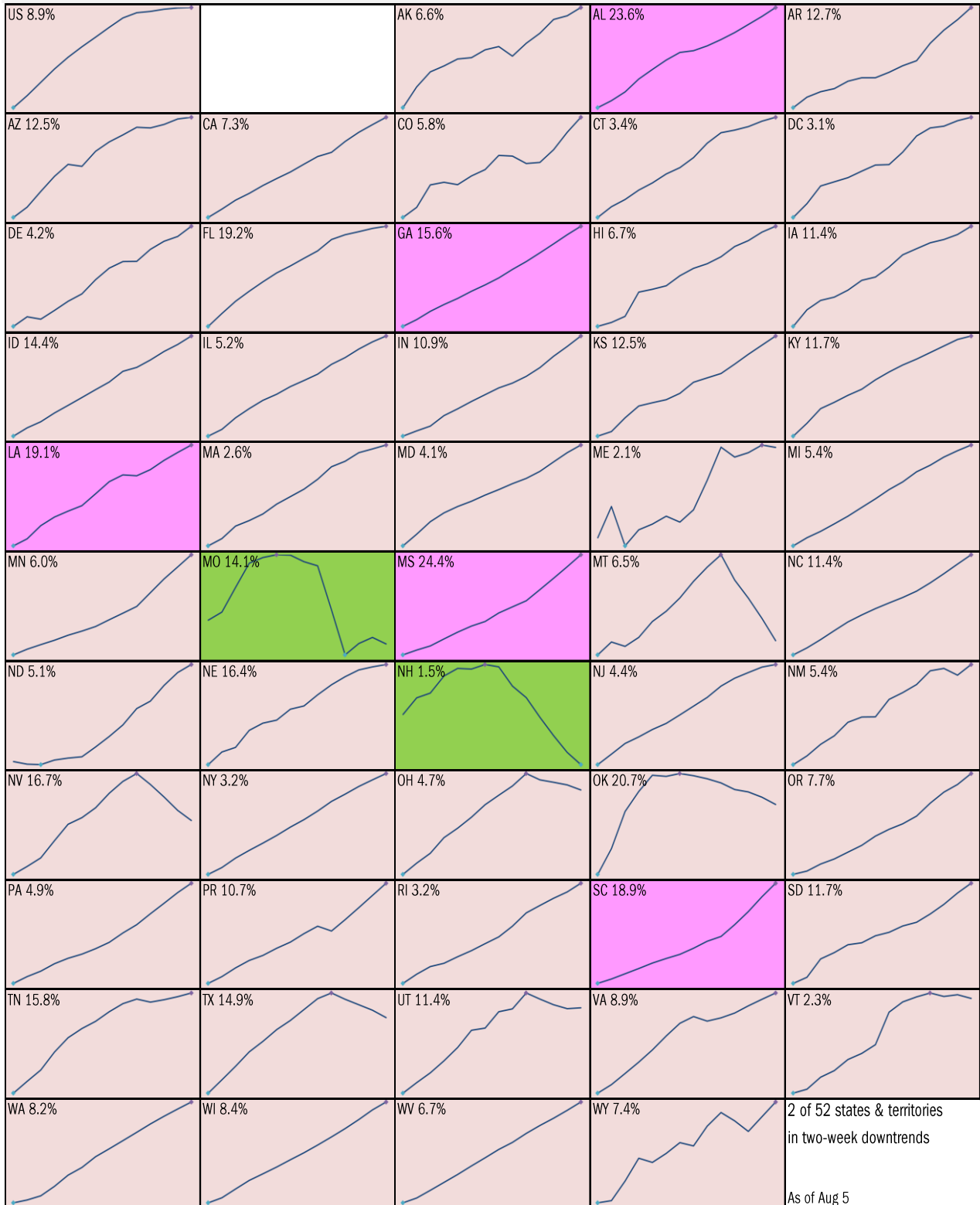


Source: [Johns Hopkins](#), TrendMacro calculations

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

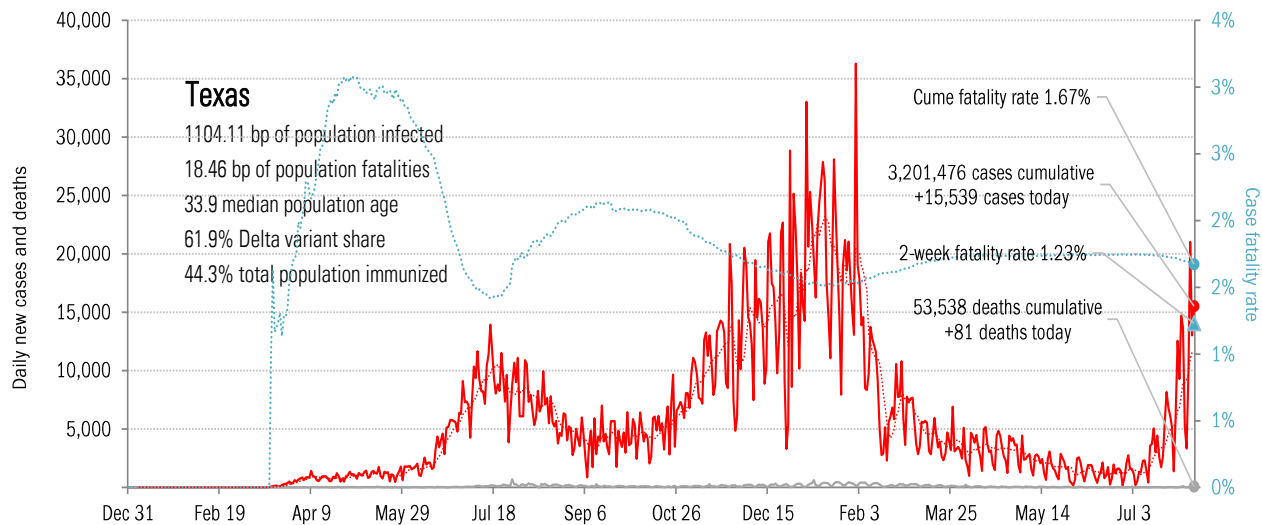
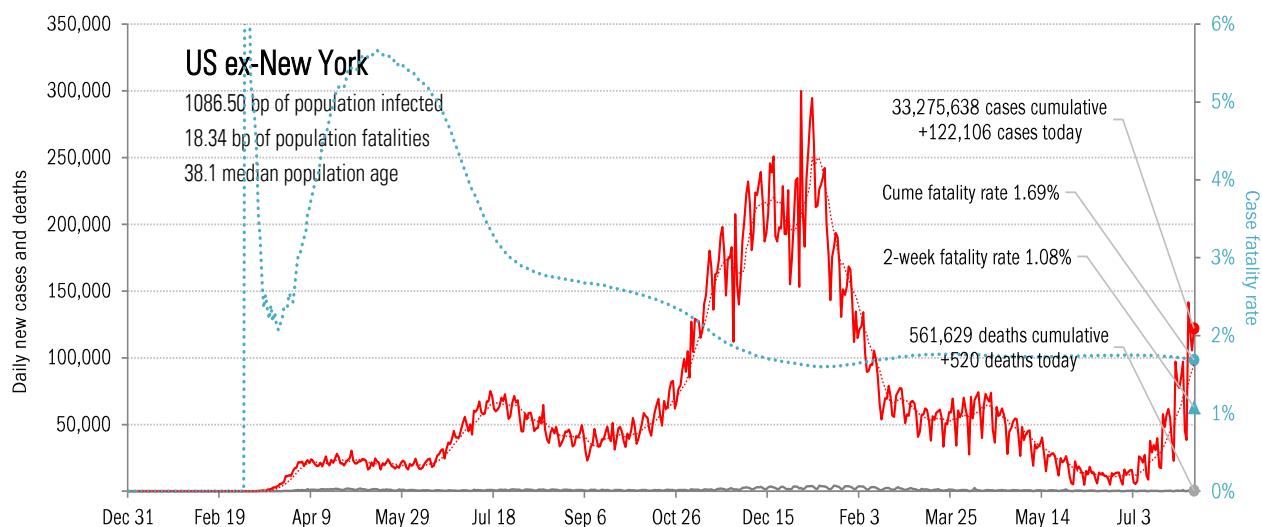
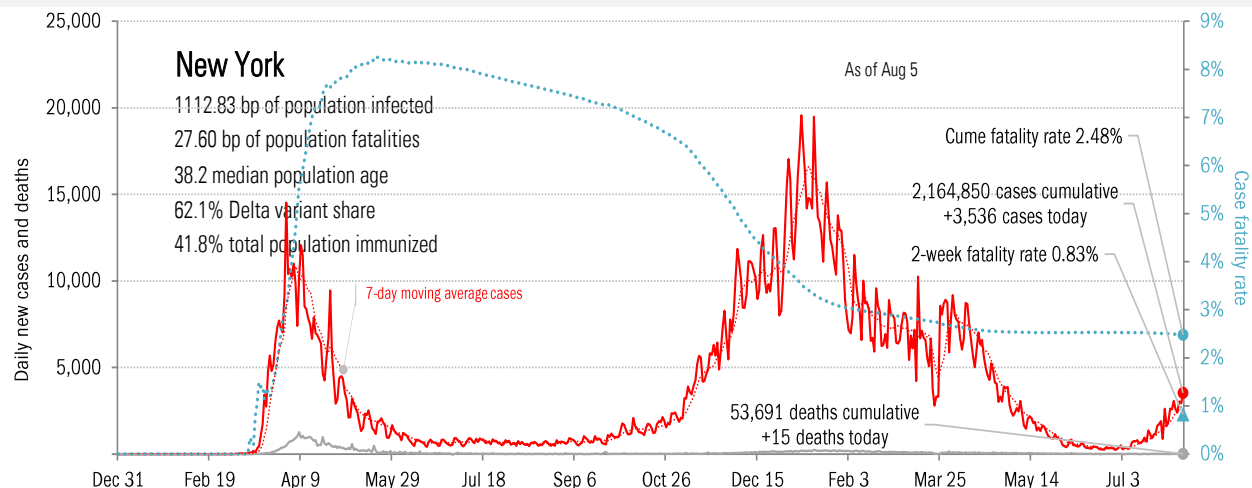
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



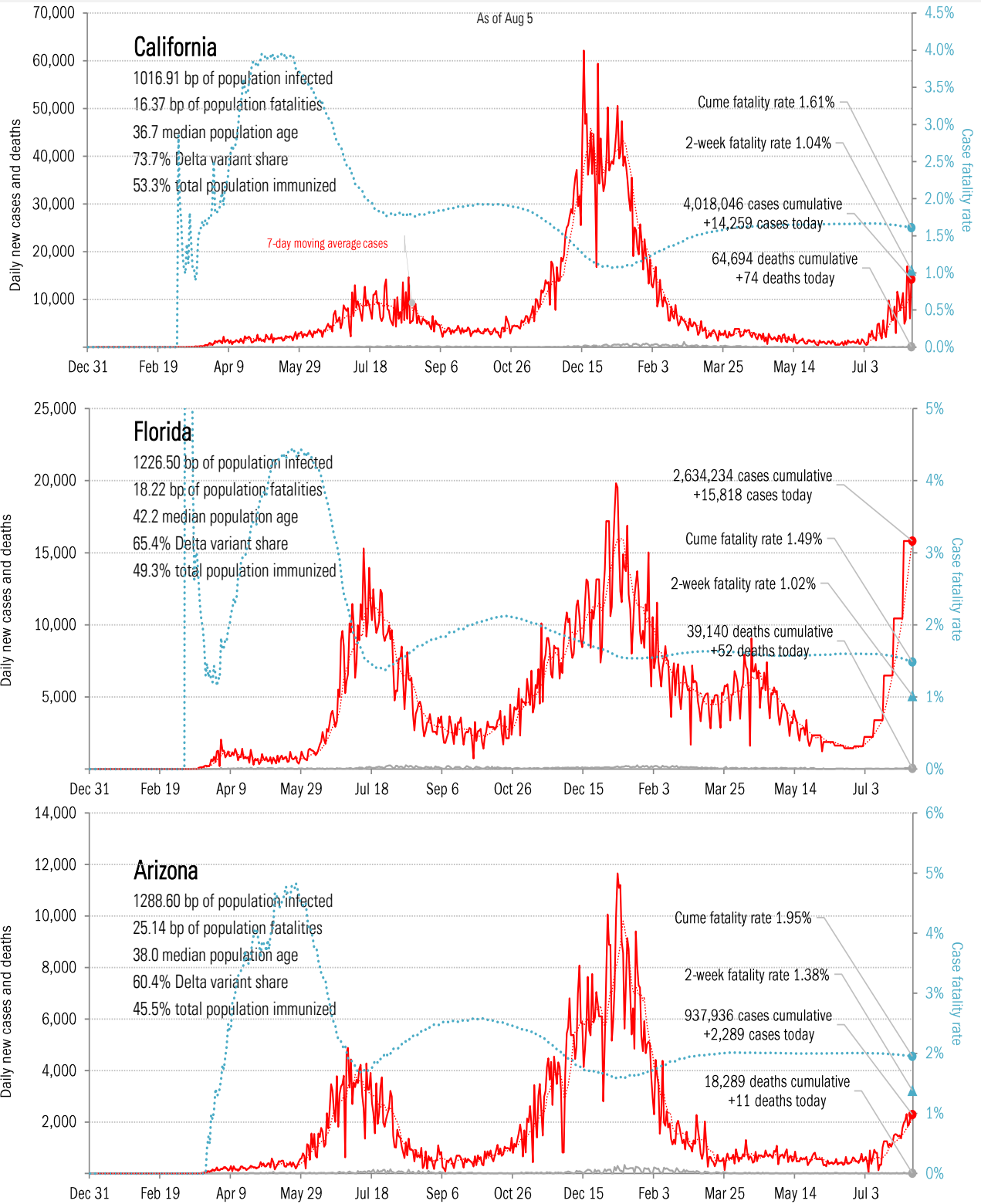
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



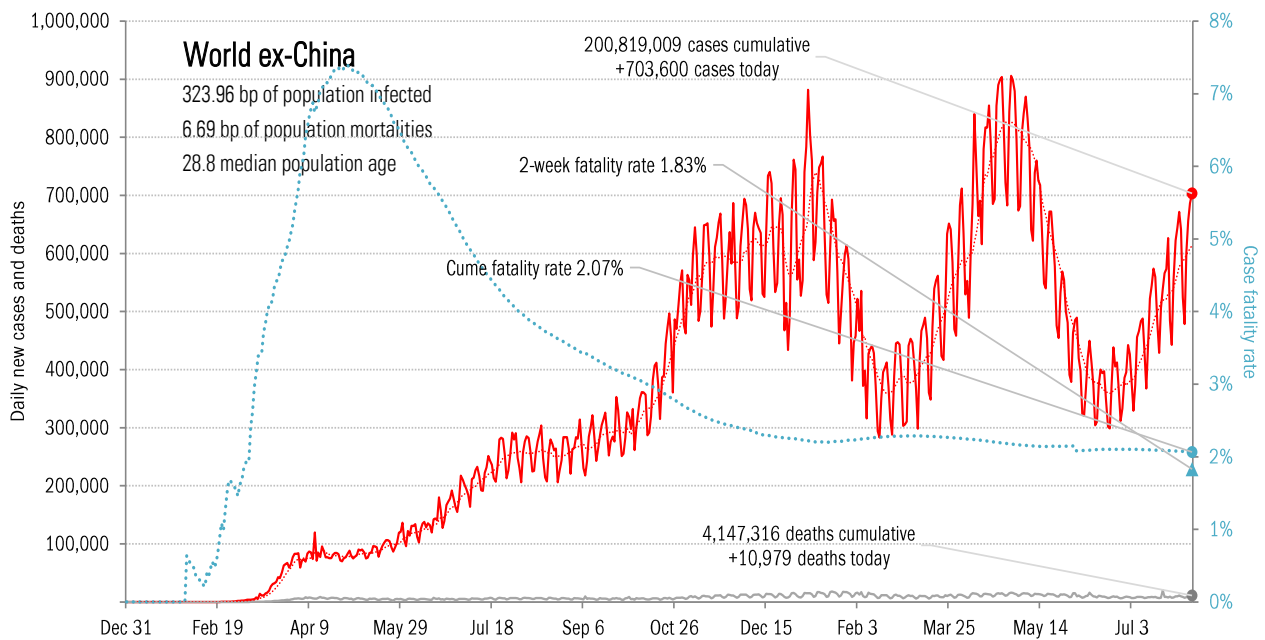
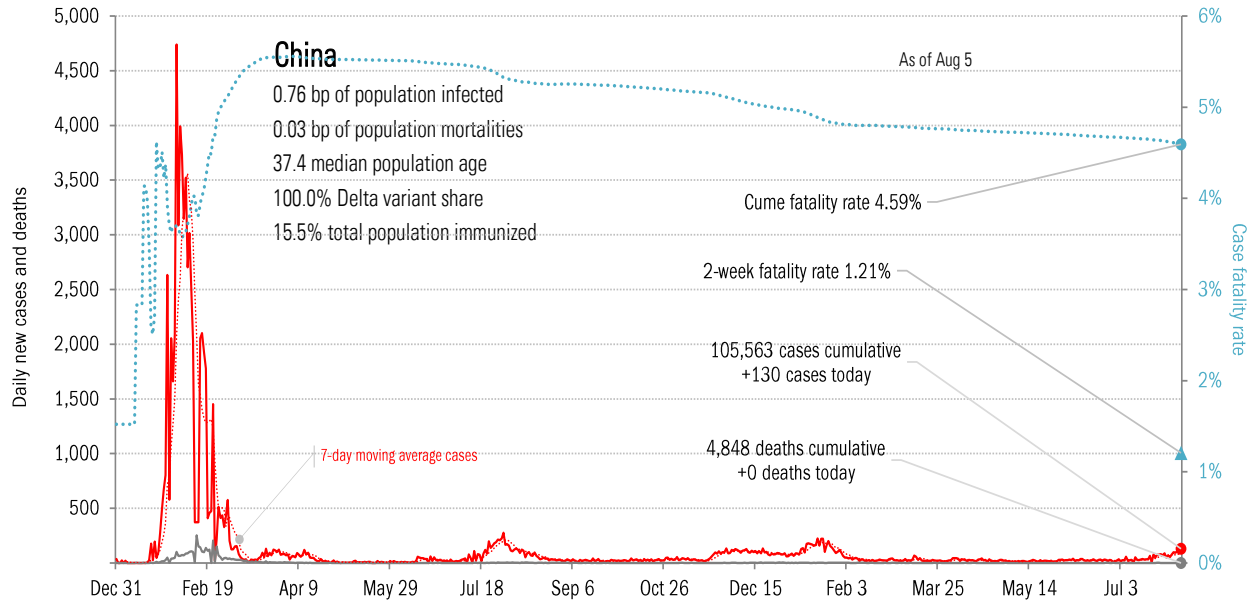
Source: [Johns Hopkins](#), TrendMacro calculations

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



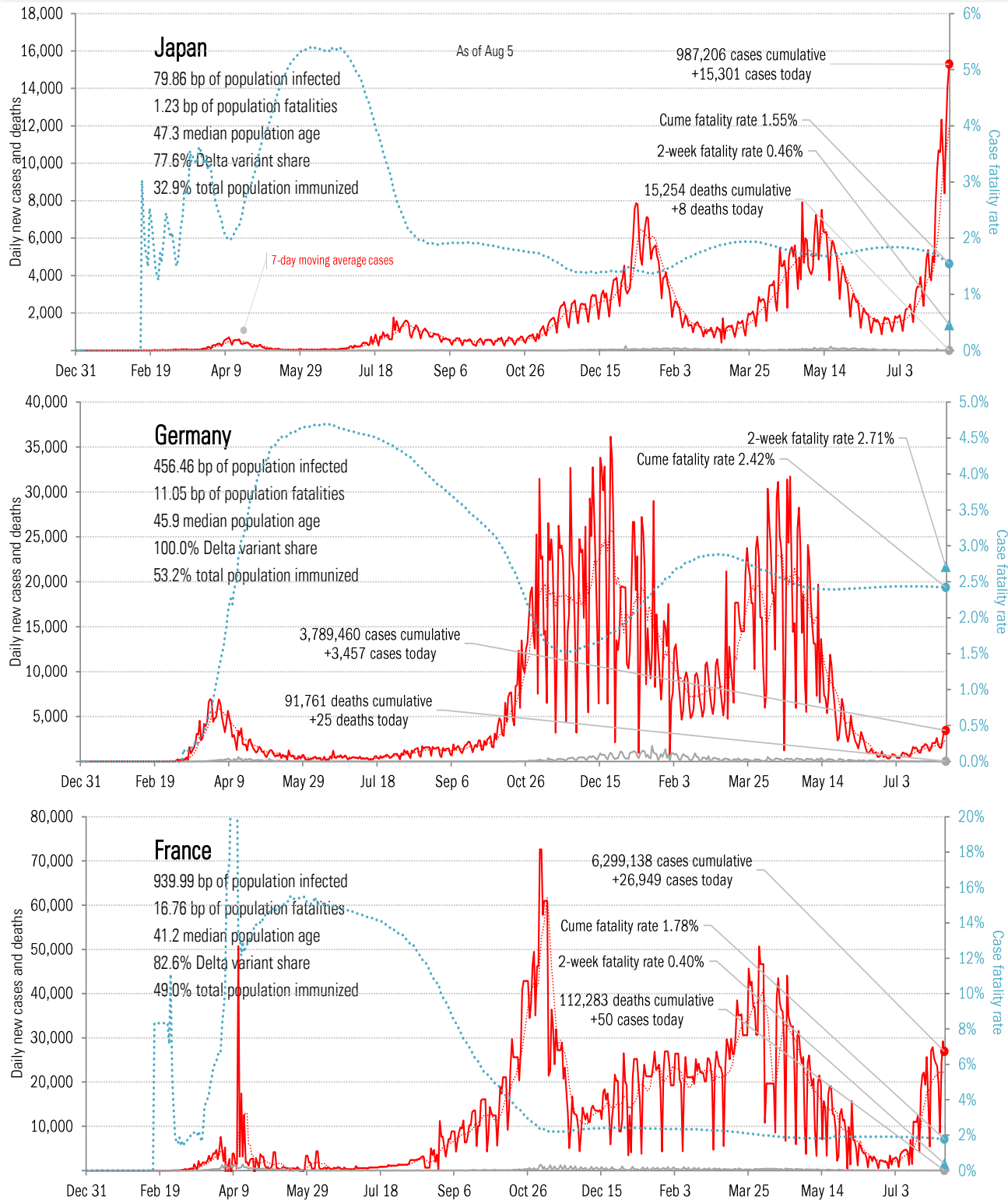
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



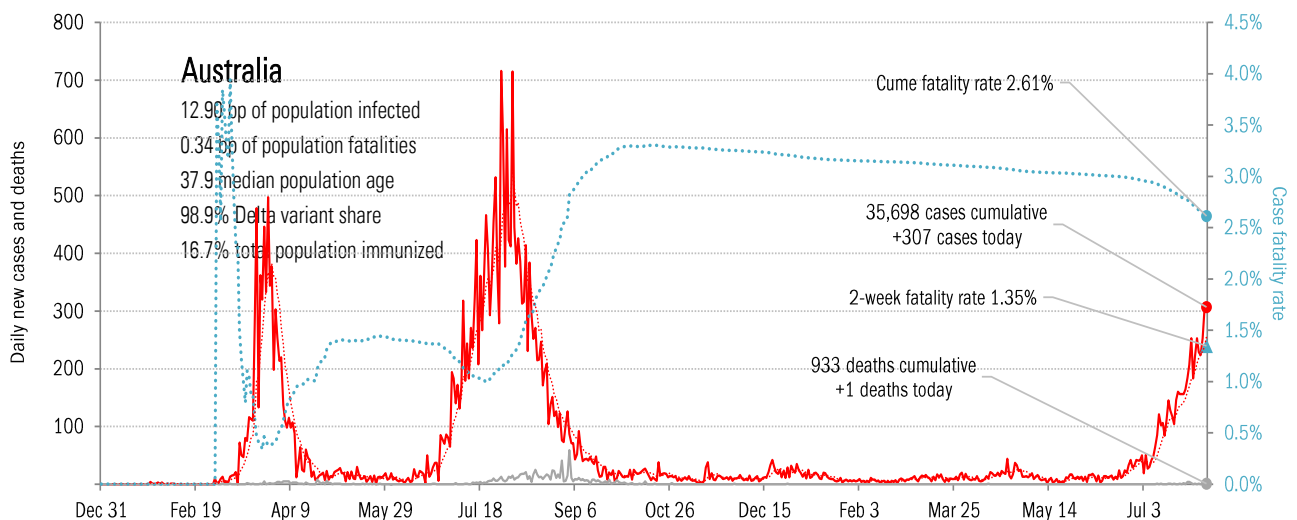
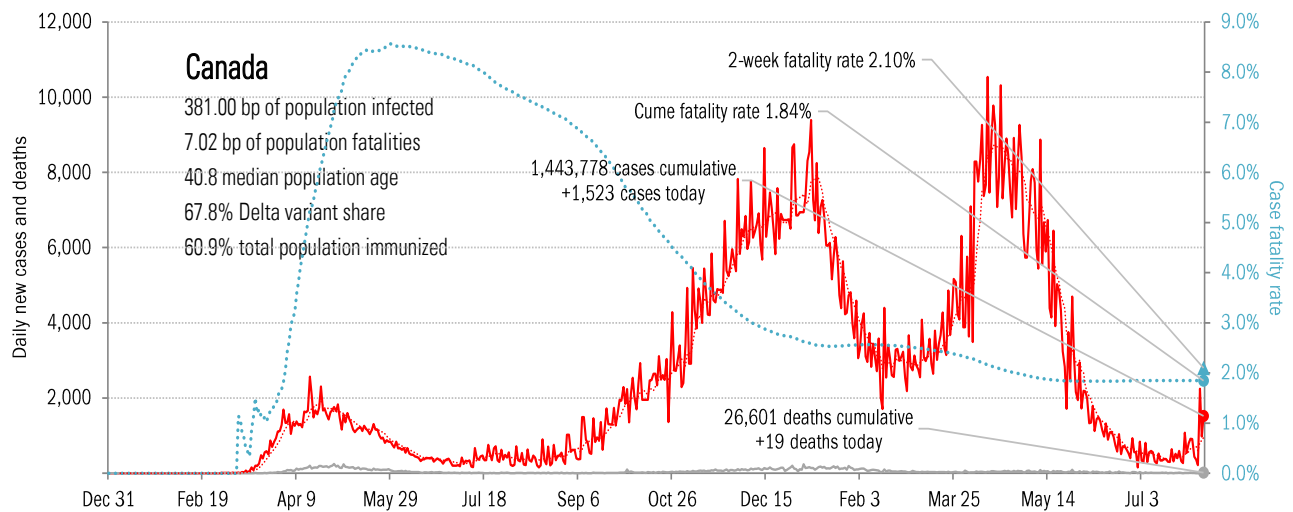
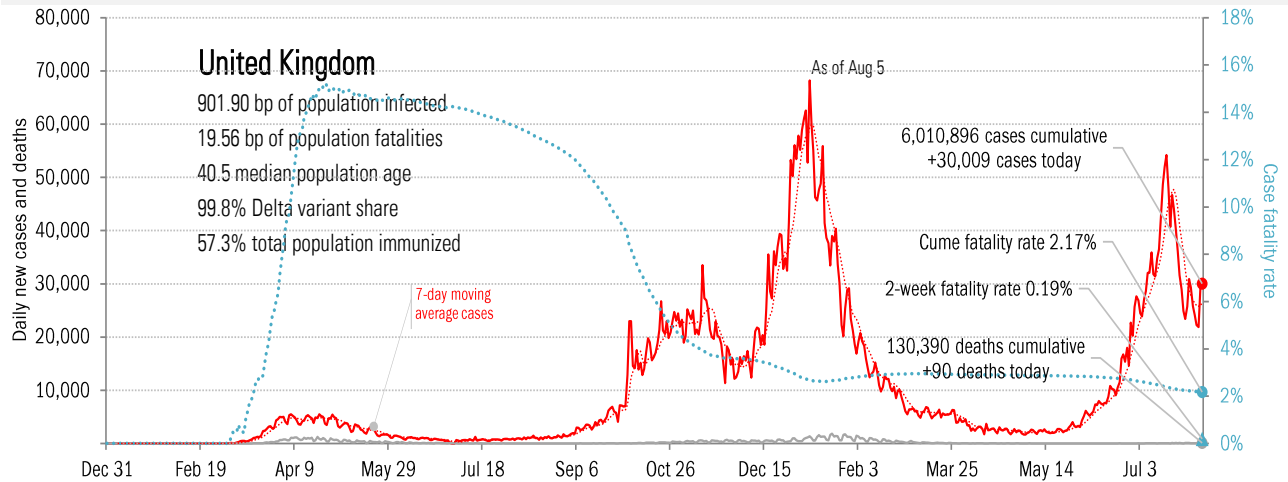
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



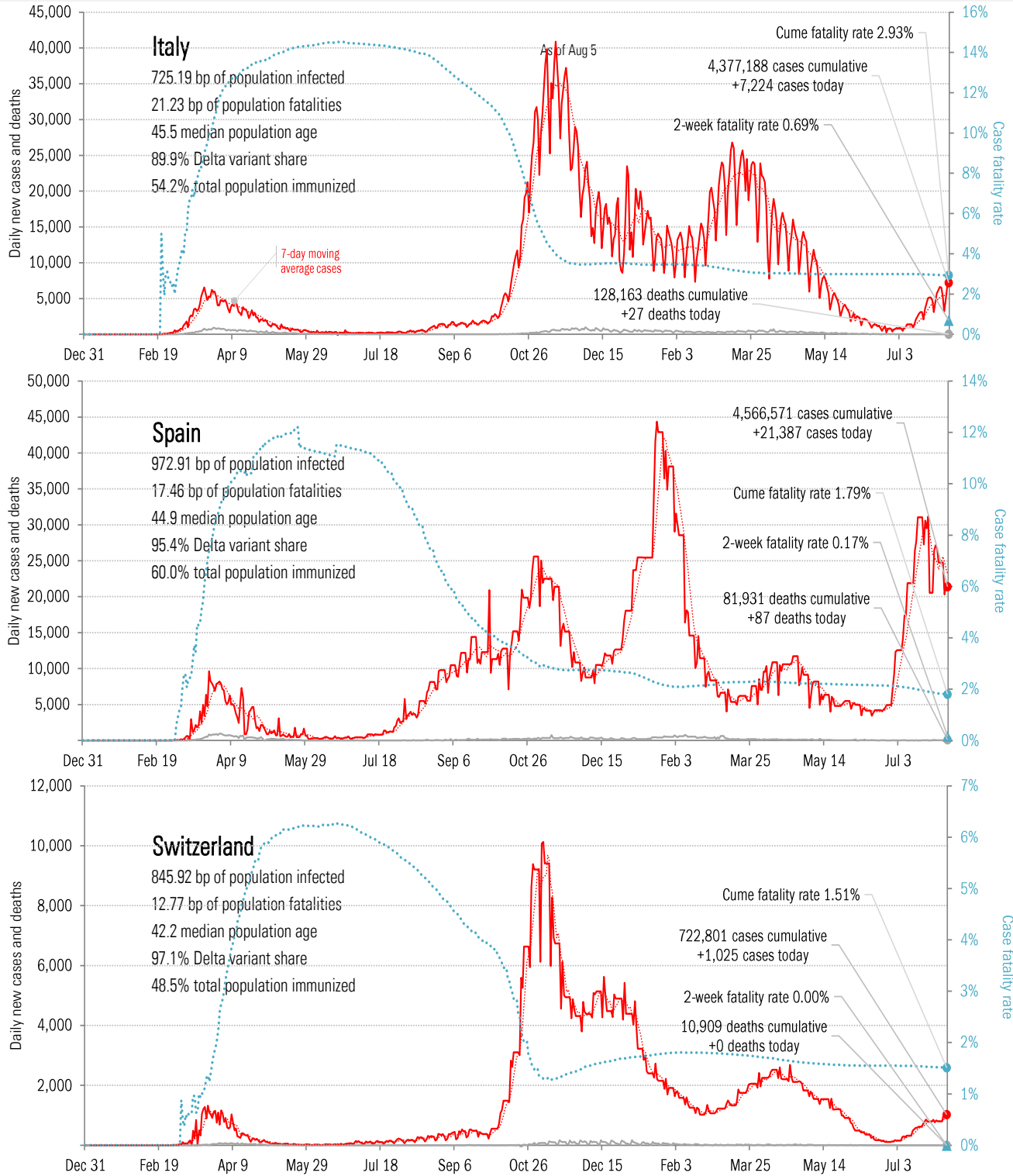
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



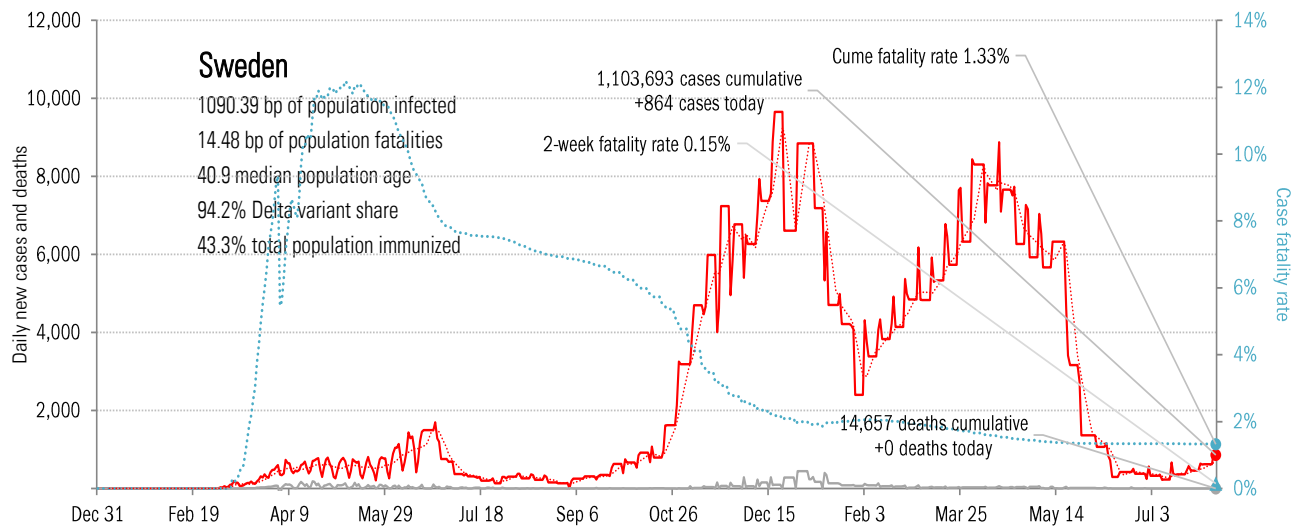
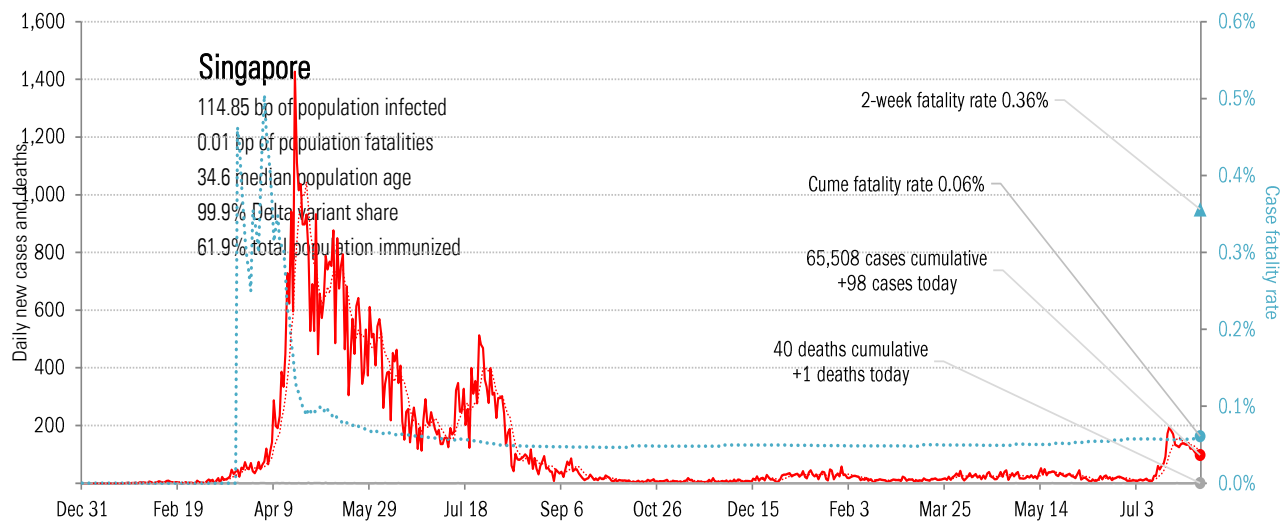
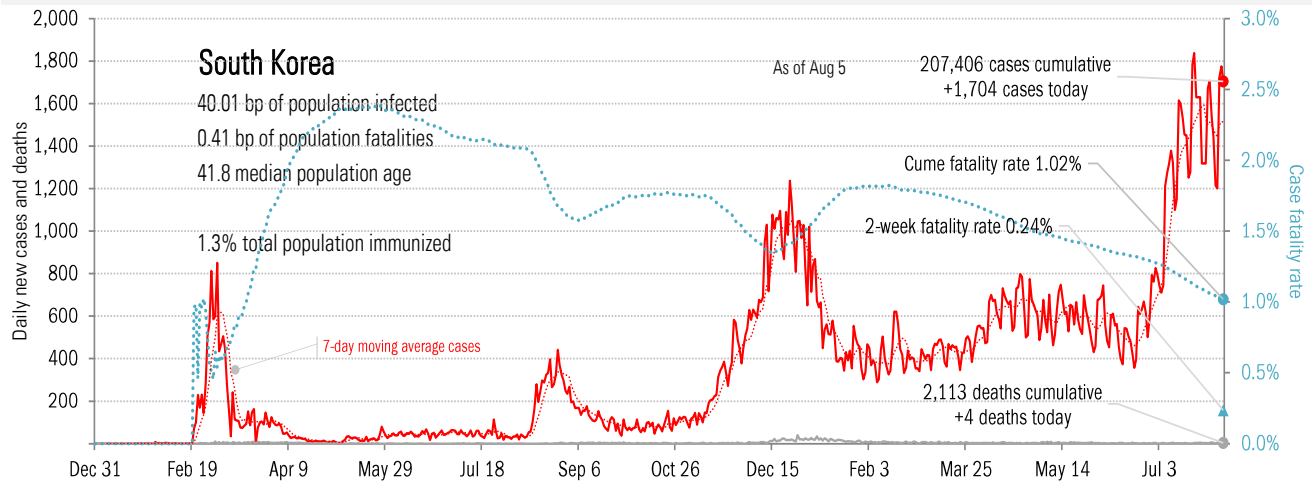
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



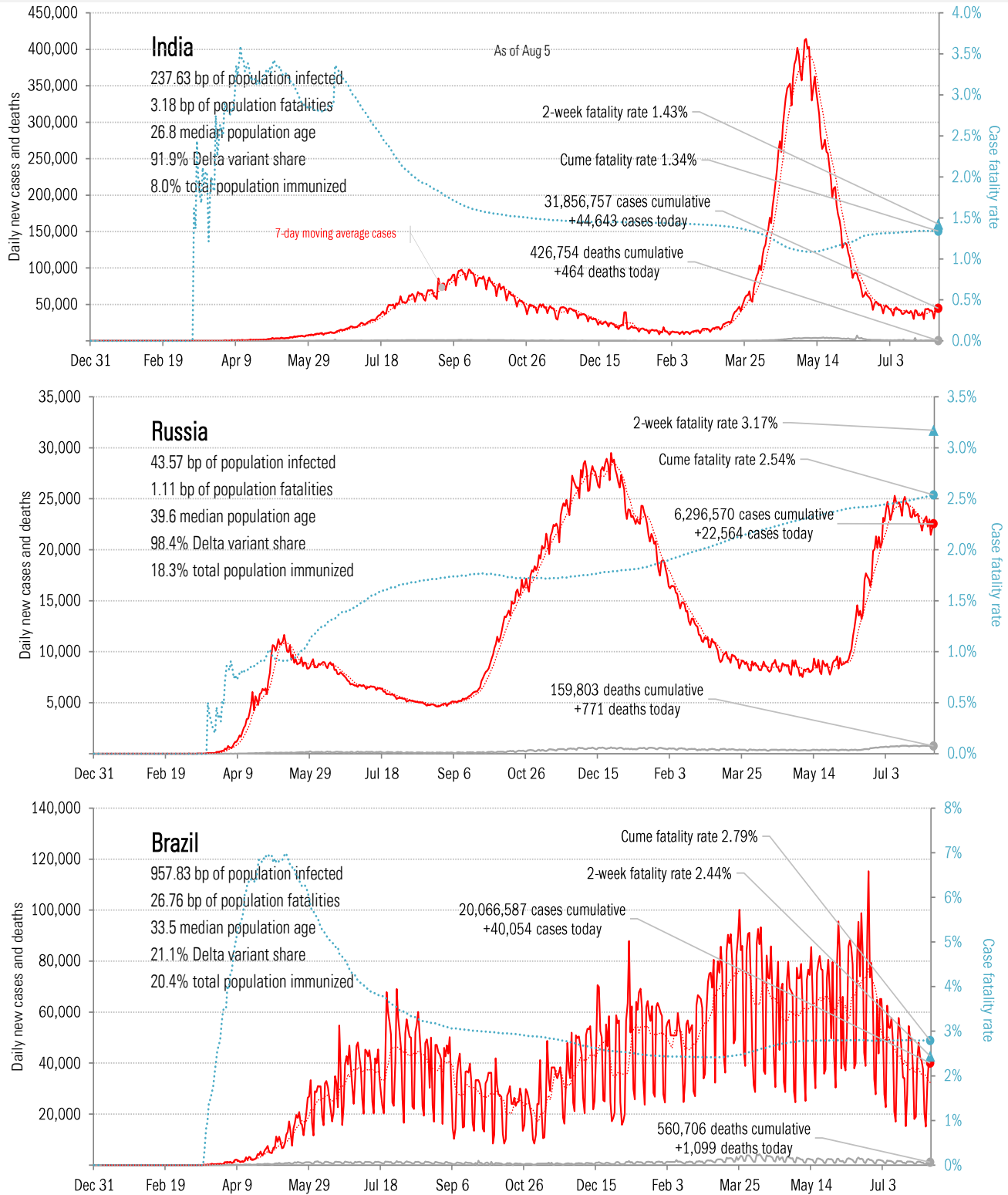
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



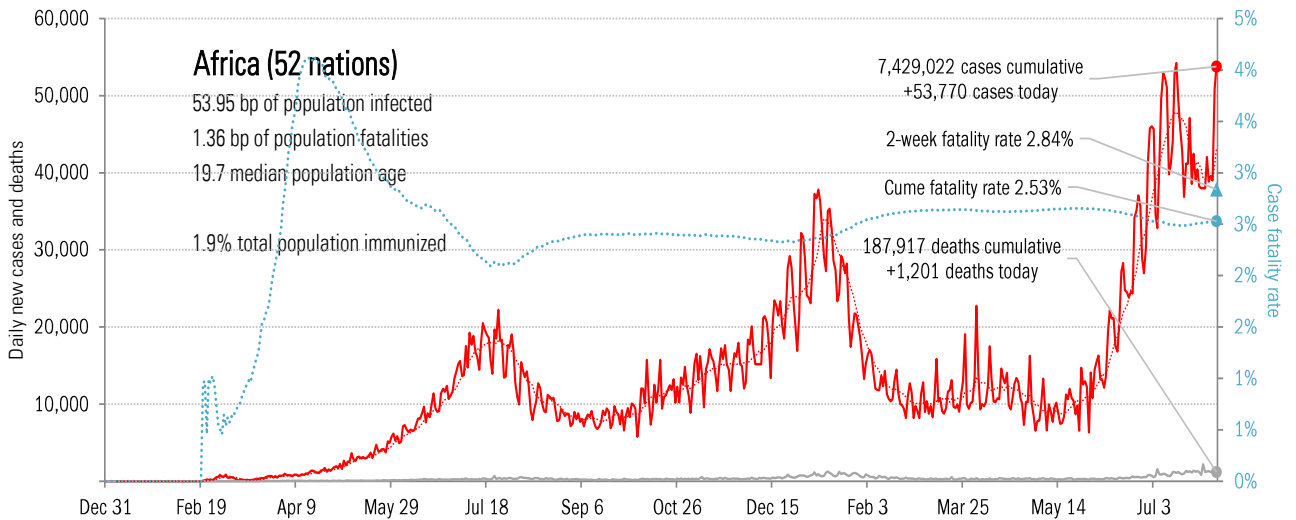
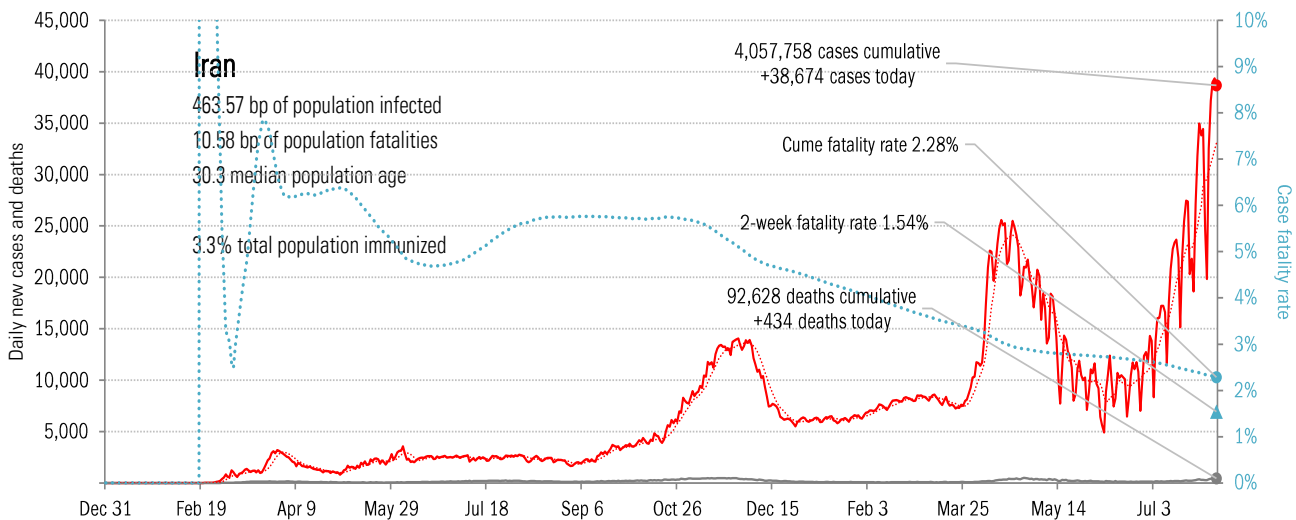
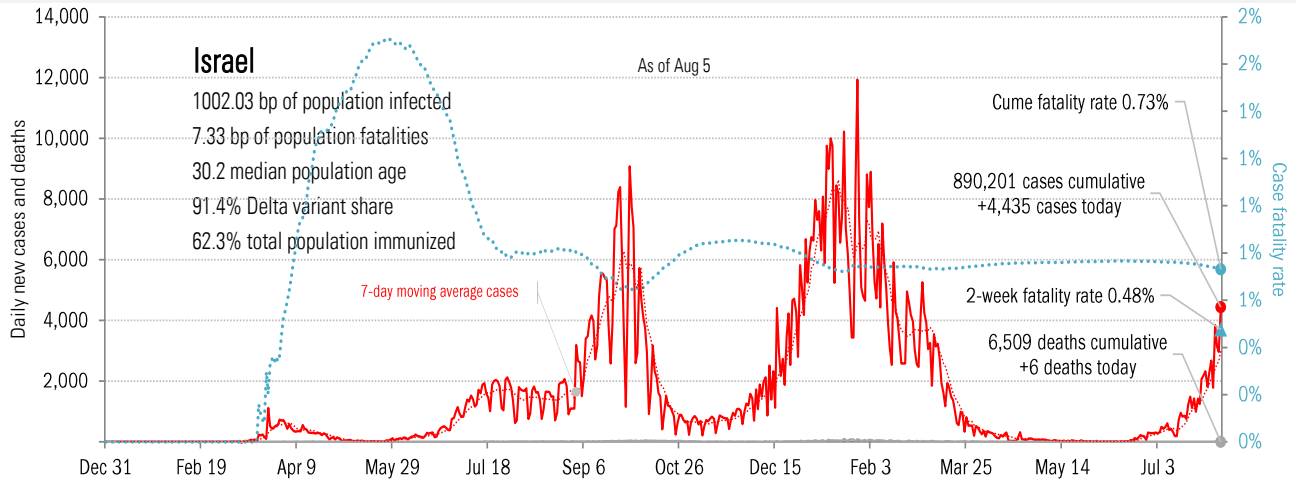
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



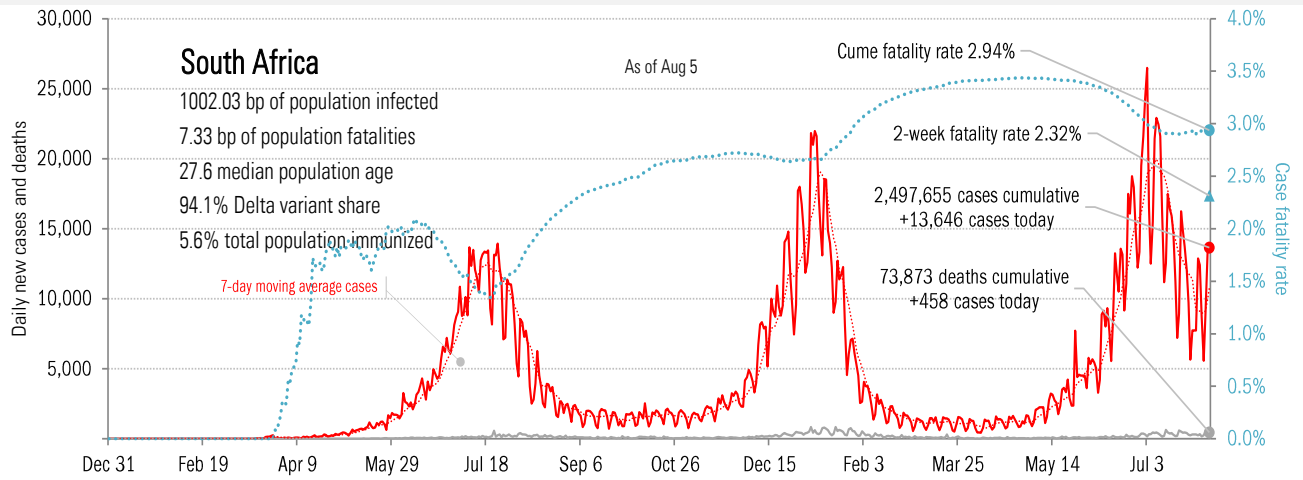
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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