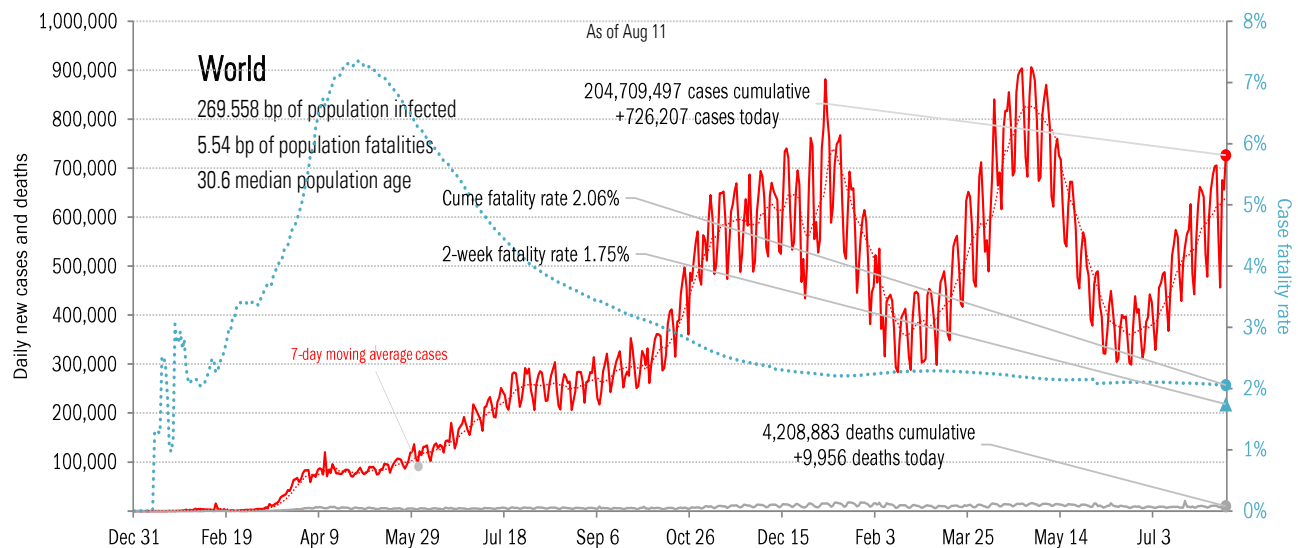
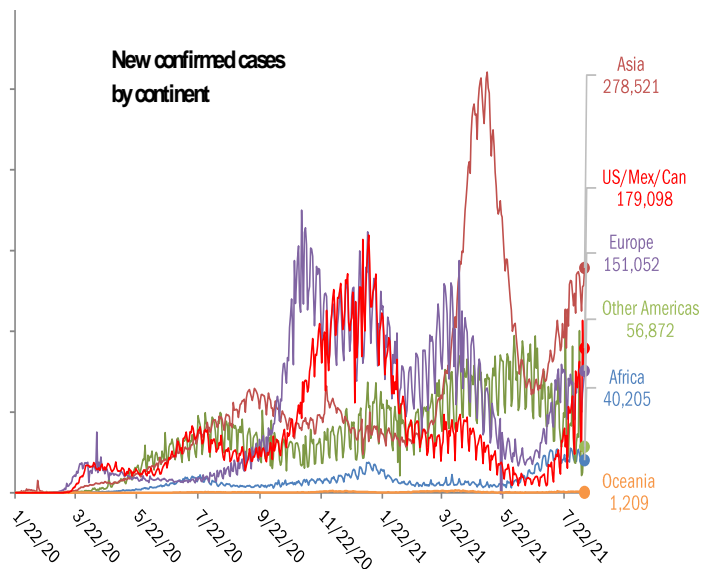


Data Insights: Covid-2019 Monitor

Thursday, August 12, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+154,427	Indonesia	+1,579
Iran	+42,541	Brazil	+975
India	+41,195	Russia	+784
France	+32,794	Mexico	+727
Brazil	+32,443	South Africa	+573
Indonesia	+30,625	Iran	+536
United Kingdom	+29,381	India	+490
Turkey	+27,356	Vietnam	+342
Mexico	+22,711	United States	+342
Thailand	+21,038	Bangladesh	+237
+434,511		+6,585	
World	+726,207	World	+9,956
Top ten	60%	Top ten	66%



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

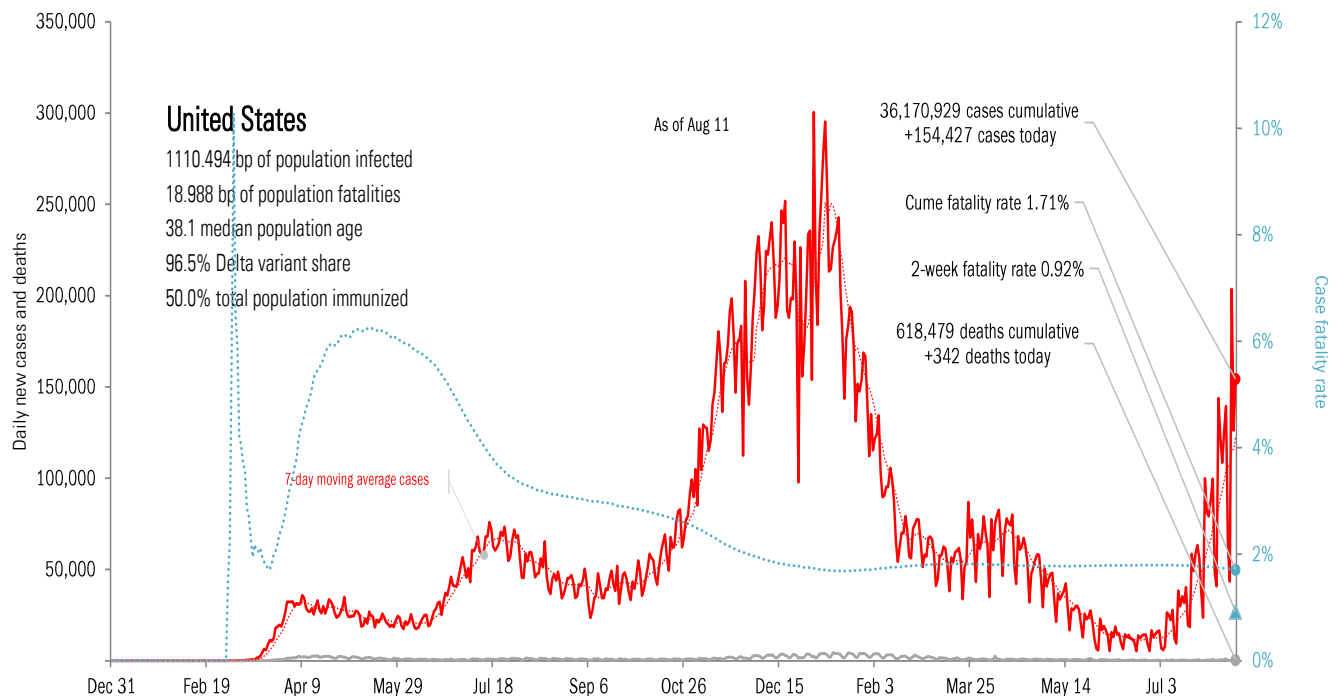
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+21,407		TX	+108		FL	+441		CA	4,088,383		CA	64,493		TX	280,323		RI	90%	LA	44%
FL	+19,250		FL	+87		TX	+339		TX	3,293,869		TX	53,939		CA	256,280		MA	85%	MS	44%
CA	+11,751		OK	+63		CA	+190		FL	2,749,735		NY	53,797		FL	228,145		MD	84%	FL	43%
GA	+6,958		LA	+55		GA	+100		NY	2,187,349		FL	39,711		NY	140,135		GA	84%	AR	40%
NY	+6,653		AL	+41		AL	+77		IL	1,451,094		PA	27,925		GA	118,586		FL	84%	MO	36%
LA	+5,407		NY	+39		LA	+75		PA	1,246,528		NJ	26,665		PA	93,867		MO	83%	AL	35%
WA	+5,077		KS	+35		KY	+72		GA	1,238,383		IL	25,984		CH	91,093		PA	81%	TX	35%
NC	+4,963		GA	+32		NY	+65		CH	1,149,318		GA	21,894		IL	86,471		SC	80%	OK	32%
IA	+4,872		MS	+25		TN	+61		NC	1,094,886		MI	21,252		KY	83,213		MN	80%	NV	30%
MO	+4,104		MI	+24		NC	+57		NJ	1,053,398		CH	20,580		MI	74,863		NV	79%	GA	30%
+90,442			+509			+1,477			19,552,943			356,240			1,452,976						
All states	+154,427		+429			+2160			All states	36,170,929		618,479			2,580,757			All states	70%	67%	
Top ten	59%		119%			68%			Top ten	54%		58%			56%			Median	73%	14%	

Some states not reporting

Five most improved US states

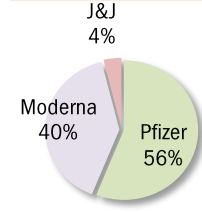
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-1,564	CA	-413	MO	-133	AR	+20 bp
LA	-681	MO	-122	GA	-71	MP	+20 bp
AZ	-612	LA	-38	LA	-67	MS	+20 bp
RI	-429	TN	-30	SC	-63	FR	+20 bp
OR	-376	NV	-24	AR	-47	AK	+10 bp



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			
	363,233,122				+0.668 million	US	50.0%	58.6%
Total population	200,912,289	60%	171,434,764	51%	+0.249 million	UK	58.7%	69.4%
Age 12 to 17	10,987,395	46%	8,127,950	34%	+0.052 million	France	51.0%	67.0%
Age 18 to 64	137,781,321	68%	116,928,229	57%	+0.168 million	Spain	62.0%	72.4%
Age 65 and over	51,166,963	94%	45,571,917	83%	+0.028 million	Germany	55.7%	62.4%
						Italy	56.4%	66.5%
						Australia	19.0%	36.7%
						Israel	62.5%	67.3%
						Canada	62.8%	72.3%
						Japan	36.3%	48.4%
						Africa	2.0%	4.0%
						India	8.5%	29.5%
						Brazil	22.3%	53.9%
						China	15.5%	43.2%



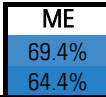
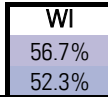
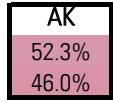
State
At least partial immunity as % population
Full immunity as % population



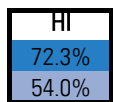
Every American >18 immune in **182 days** by Feb 9, 2022
 62.9% of population >18 immunized
 12.3% previously tested positive
75.2% vs 60% adult herd immunity*

As of Aug 11

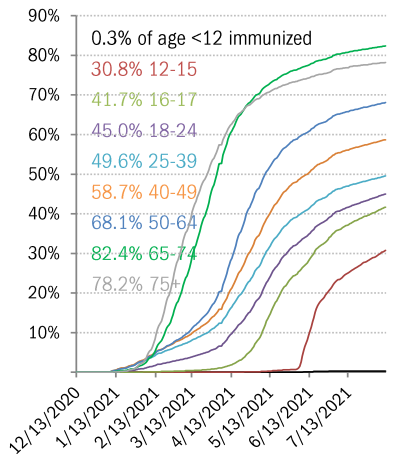
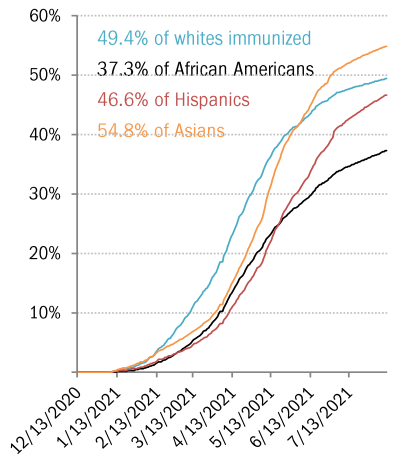
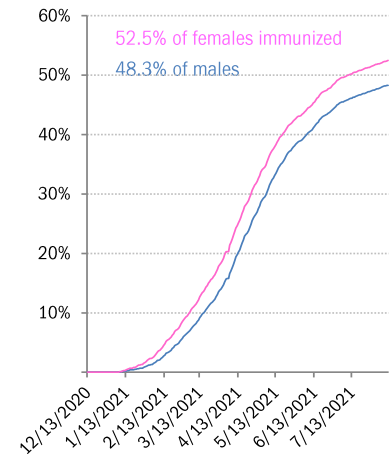
Global data differs from sources, timing



WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
65.1%	42.0%	50.4%	46.3%	60.0%	63.7%	53.9%	64.6%	76.2%	65.6%	
58.4%	37.8%	44.8%	40.5%	54.4%	49.3%	49.3%	58.0%	68.0%	58.8%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
61.7%	55.4%	42.8%	54.0%	54.4%	48.3%	50.8%	66.9%	67.4%	73.6%	
56.6%	45.4%	37.2%	47.6%	50.2%	44.8%	47.0%	53.2%	59.3%	64.5%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
66.3%	53.8%	61.4%	55.3%	50.3%	53.8%	46.3%	63.1%	66.0%	71.2%	68.9%
53.8%	45.8%	55.1%	50.2%	42.4%	46.4%	39.2%	55.3%	59.6%	64.0%	62.4%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	54.4%	66.9%	54.8%	49.6%	46.4%	52.6%	48.3%	65.3%	61.9%	
	45.9%	58.0%	46.0%	37.9%	39.8%	44.4%	41.2%	55.8%	53.5%	
			OK	LA	MS	AL	GA			
			49.9%	45.4%	42.4%	45.6%	48.1%			
			41.1%	37.8%	35.4%	35.0%	39.4%			
			TX					FL		PR
			53.6%					60.2%		70.0%
			44.7%					49.8%		60.9%



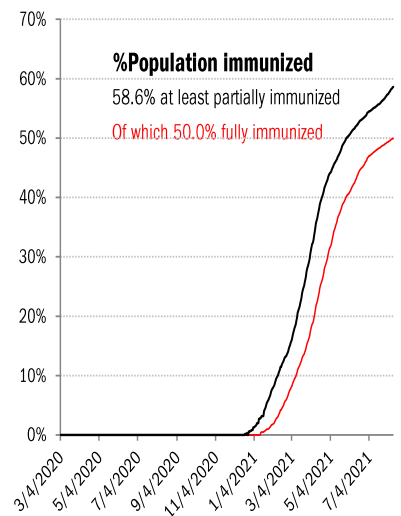
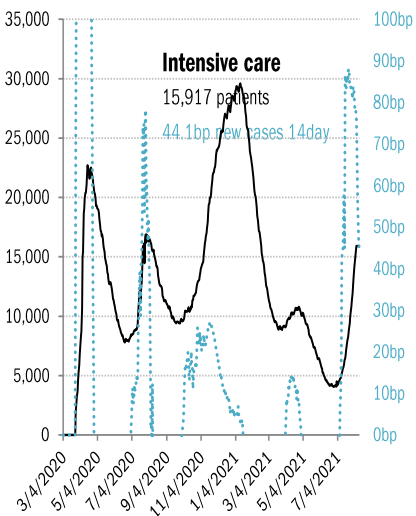
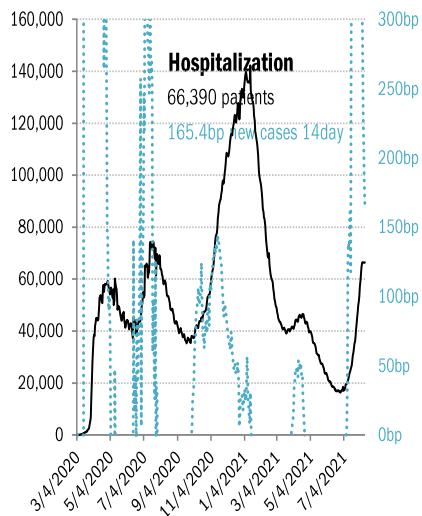
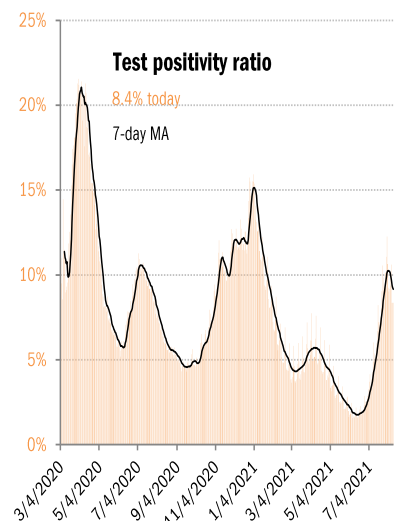
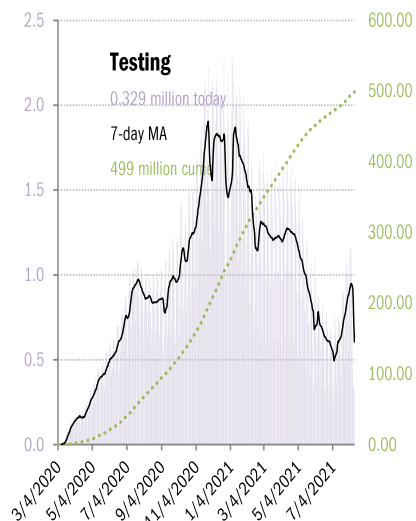
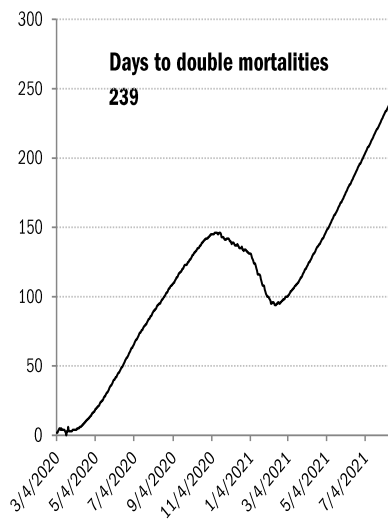
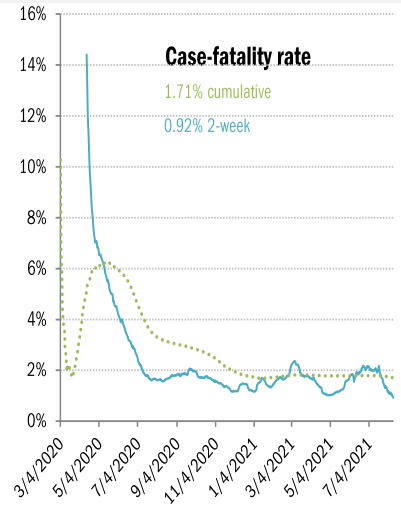
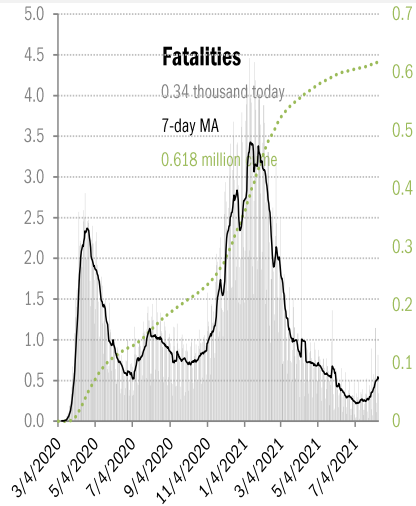
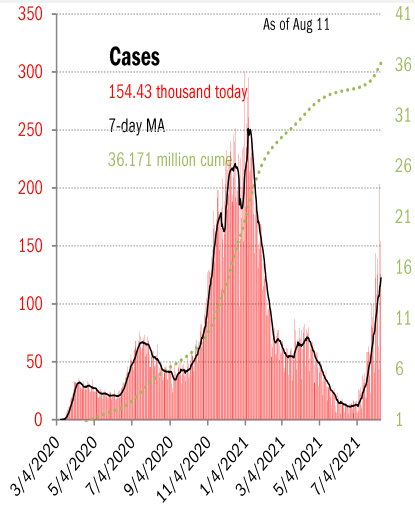
The demographics of US vaccination



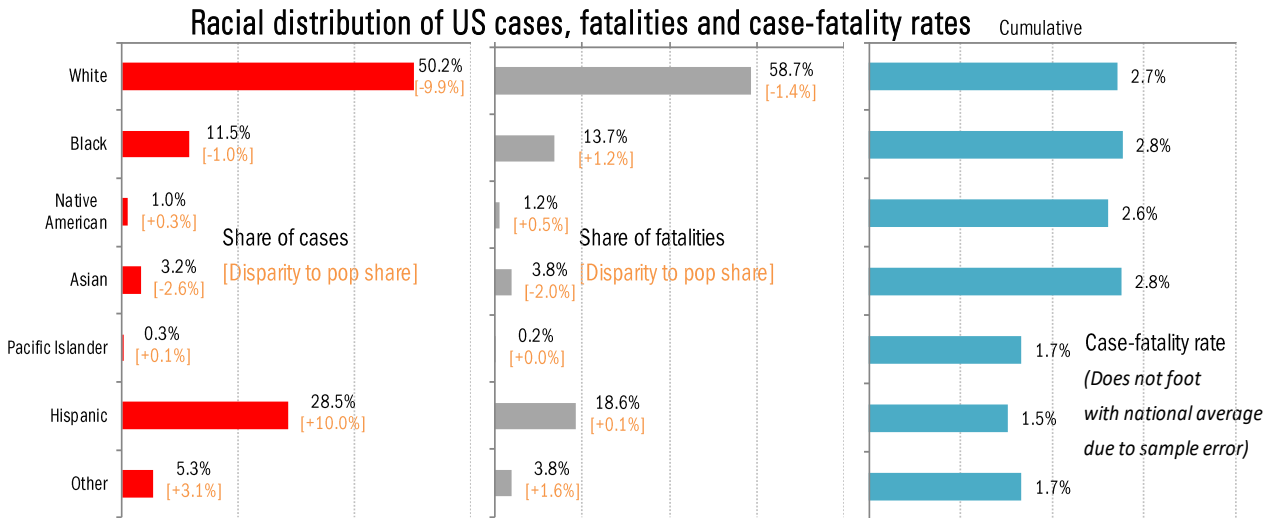
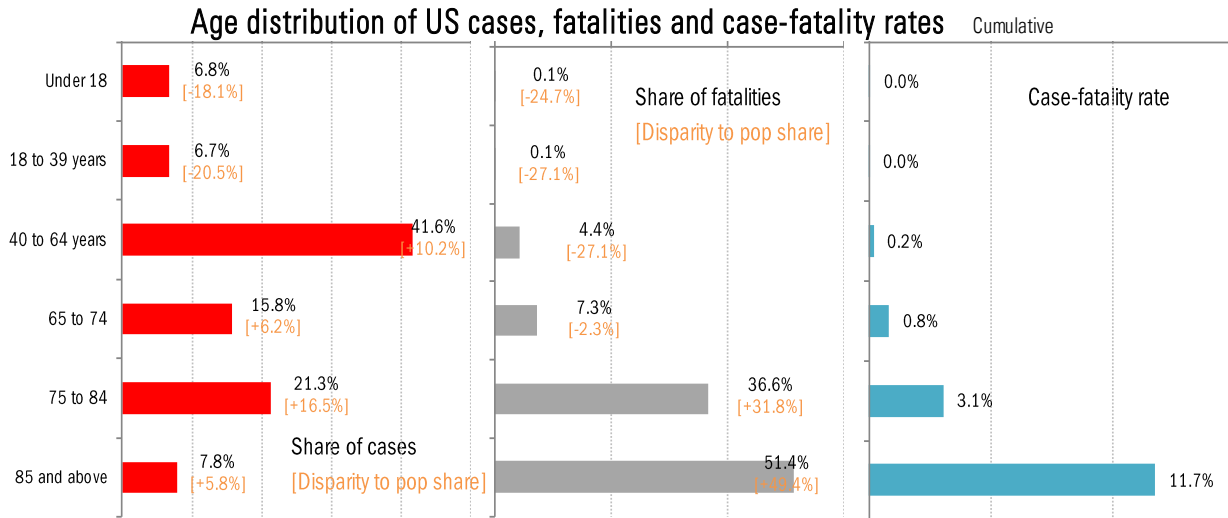
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

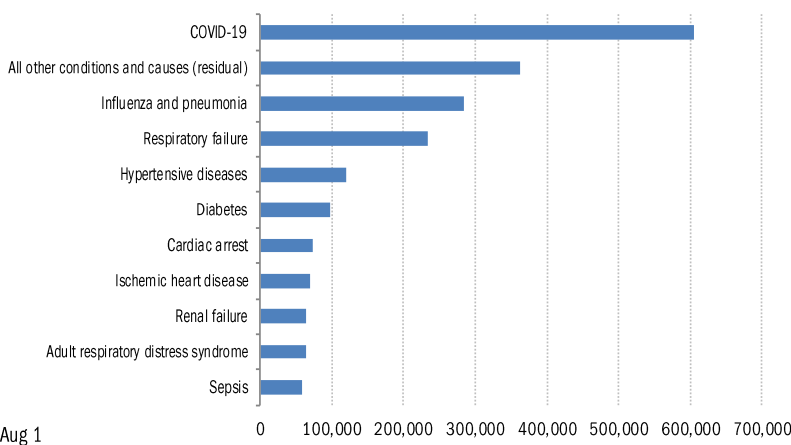


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Aug 1

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

[Individual Choices, Not Lockdowns](#)

Joel Zinberg
City Journal
Summer 2021

[The CDC Said The Delta Variant Is As Contagious As Chickenpox. That's Not Accurate](#)

Michaeleen Duceff
NPR
August 11, 2021

[COVID-19 Vaccines While Pregnant or Breastfeeding](#)

CDC
August 11, 2021

[New data on coronavirus vaccine effectiveness may be "a wakeup call"](#)

Caitlin Owens
Axios
August 11, 2021

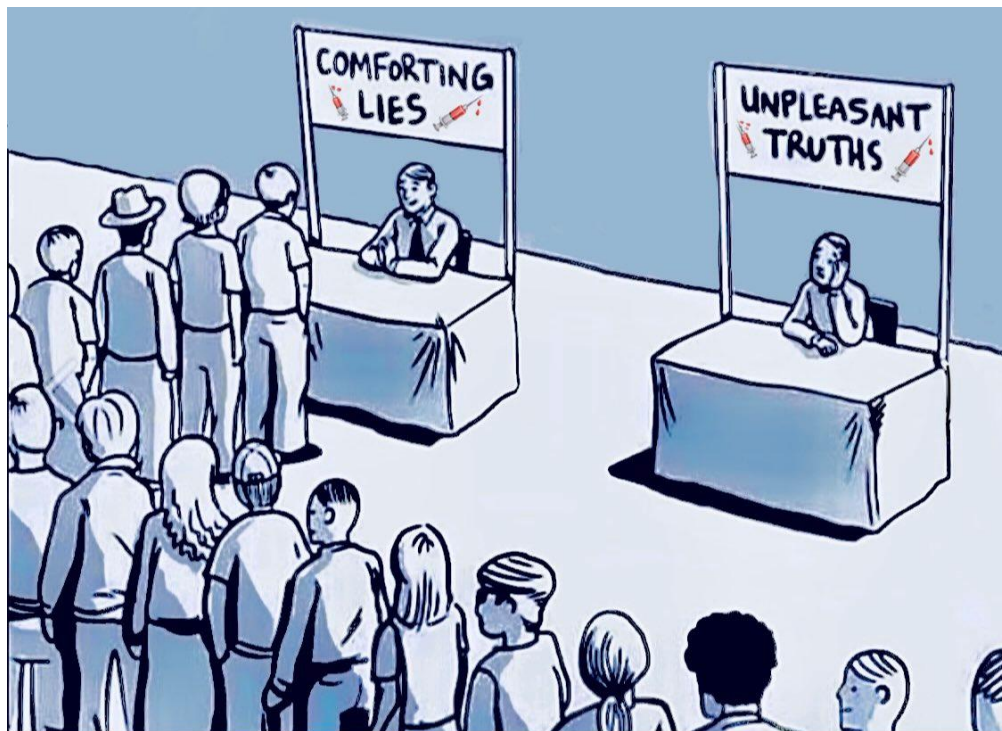
[Comparison of two highly-effective mRNA vaccines for COVID-19 during periods of Alpha and Delta variant prevalence](#)

Arjun Puranik et al.
medRxiv
August 8, 2021

[COVID: 90% of patients treated with new Israeli drug discharged in 5 days](#)

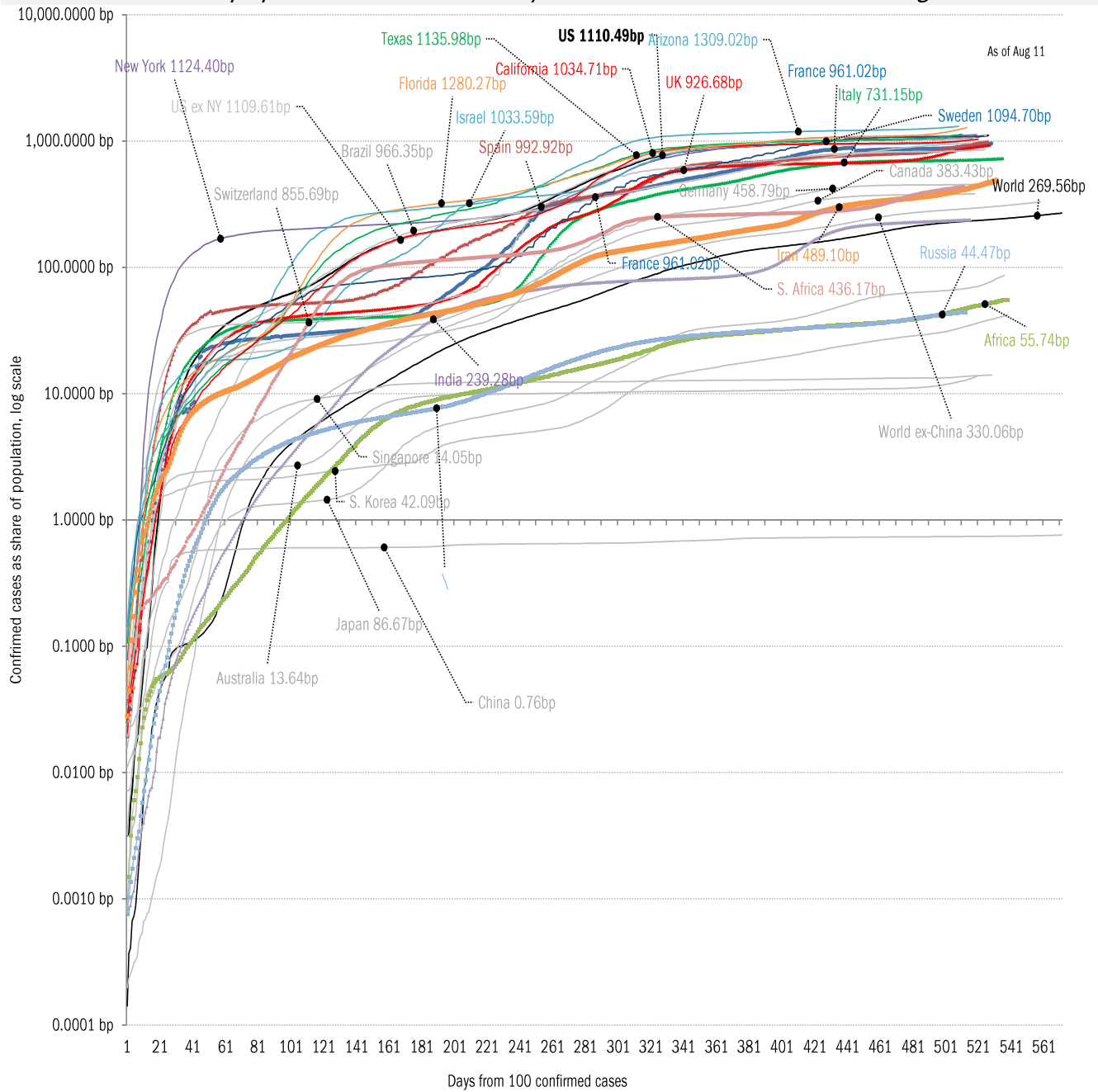
Rosella Tercatin
Jerusalem Post
August 5, 2021

Meme of the day



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

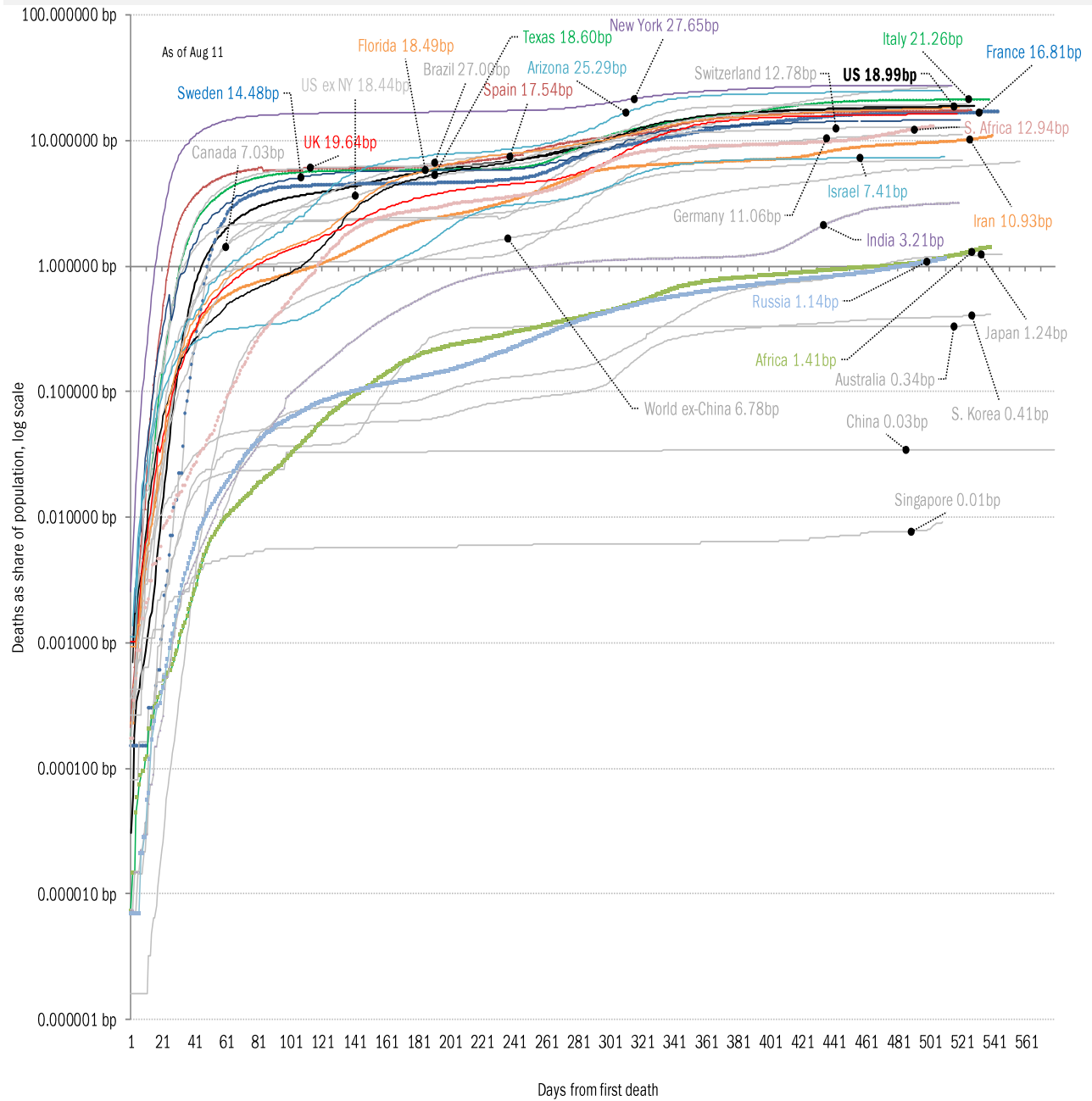
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

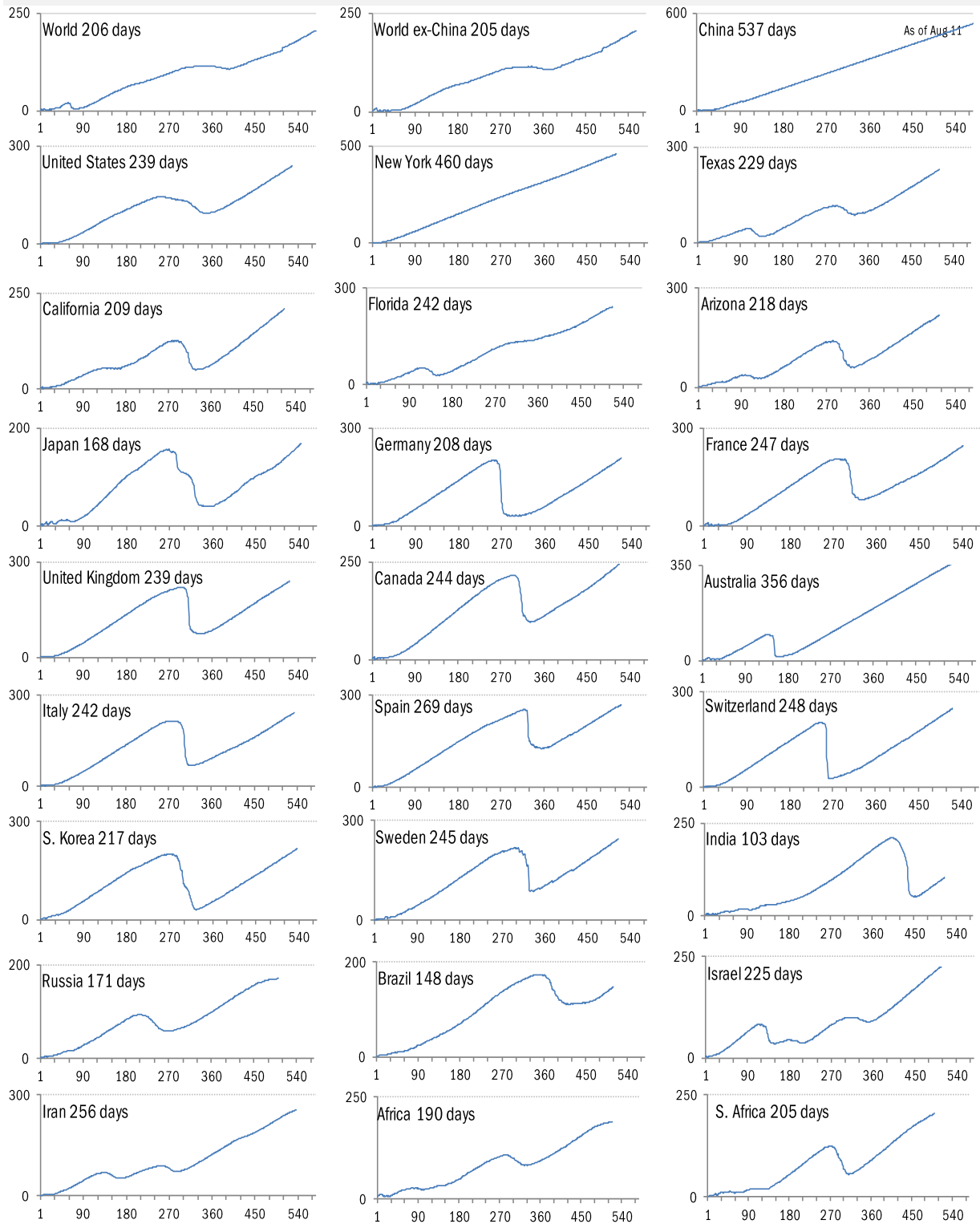


Source: [Johns Hopkins](#), TrendMacro calculations

"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

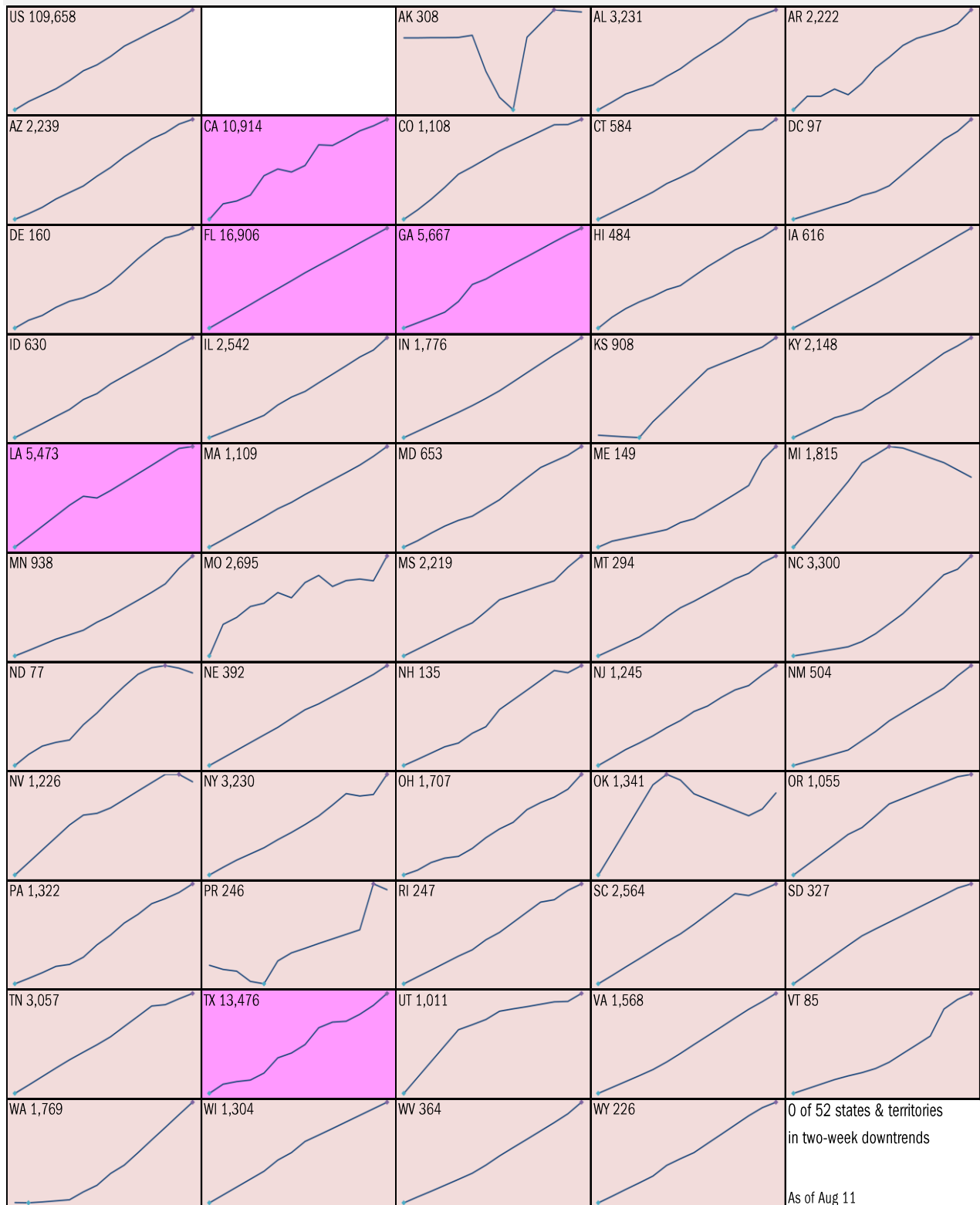


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

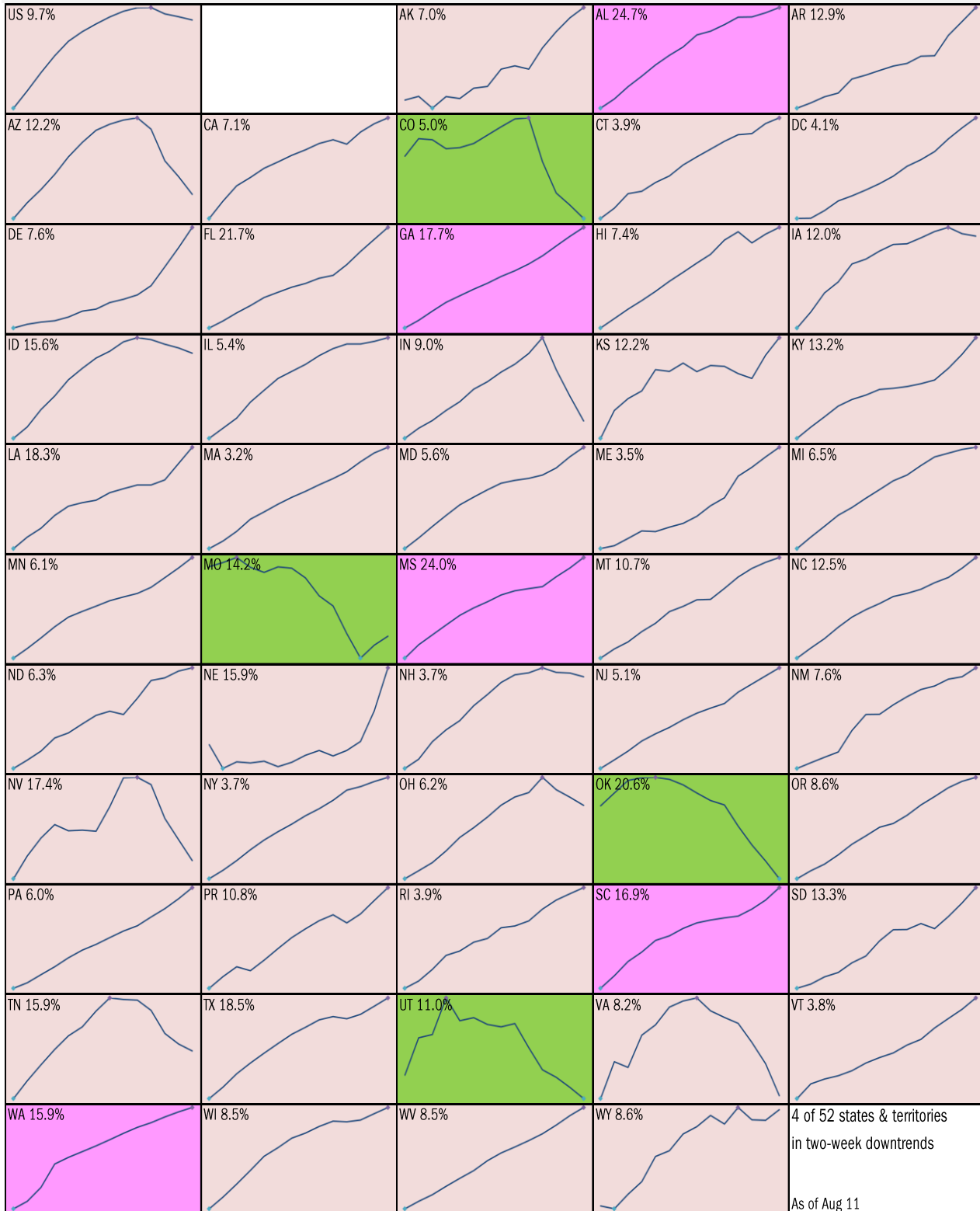


Source: [Johns Hopkins](#), TrendMacro calculations

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

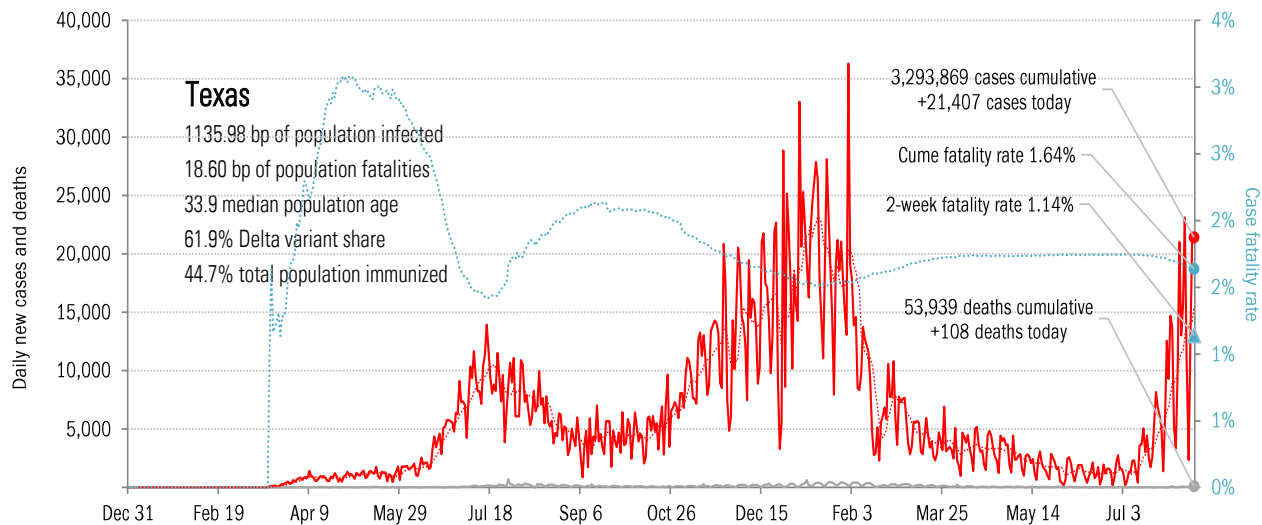
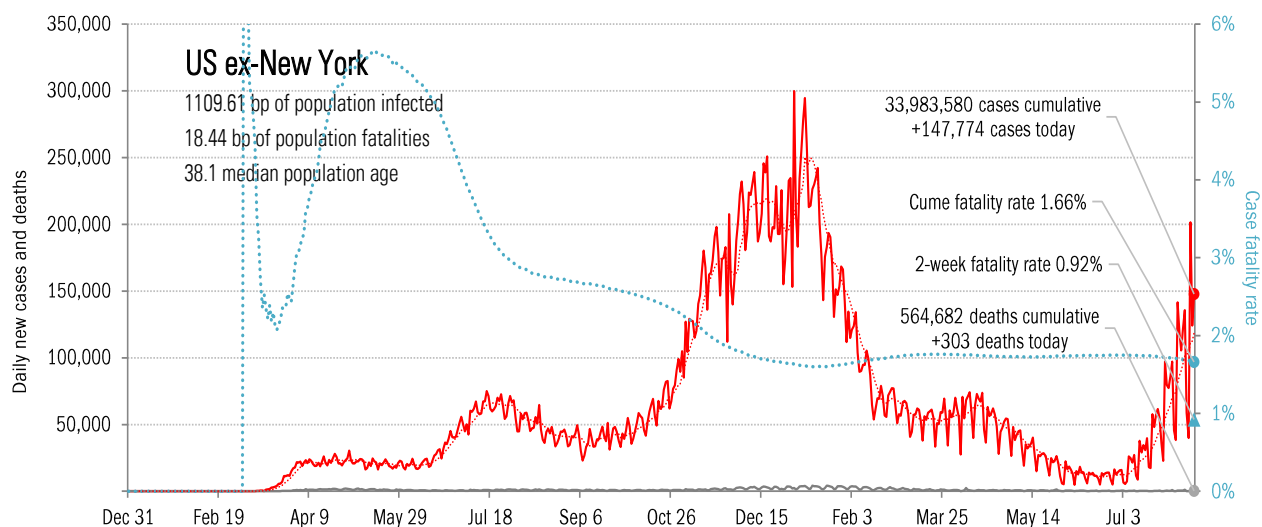
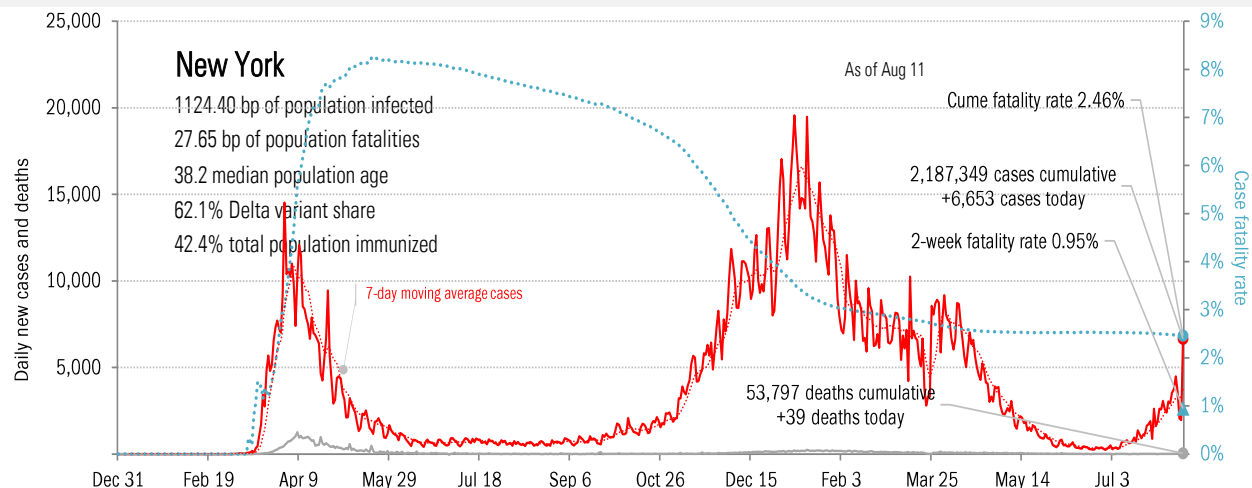
14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

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



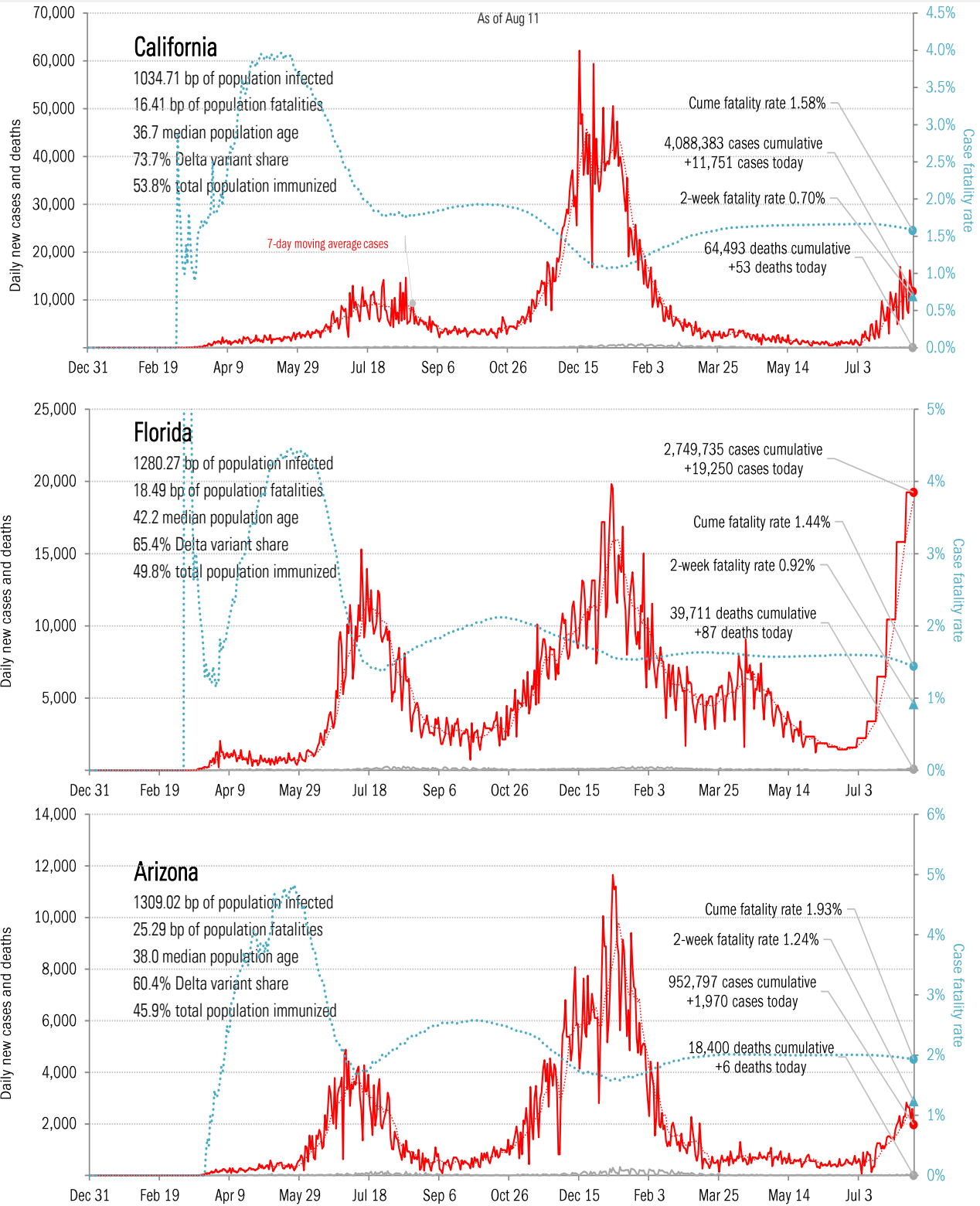
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



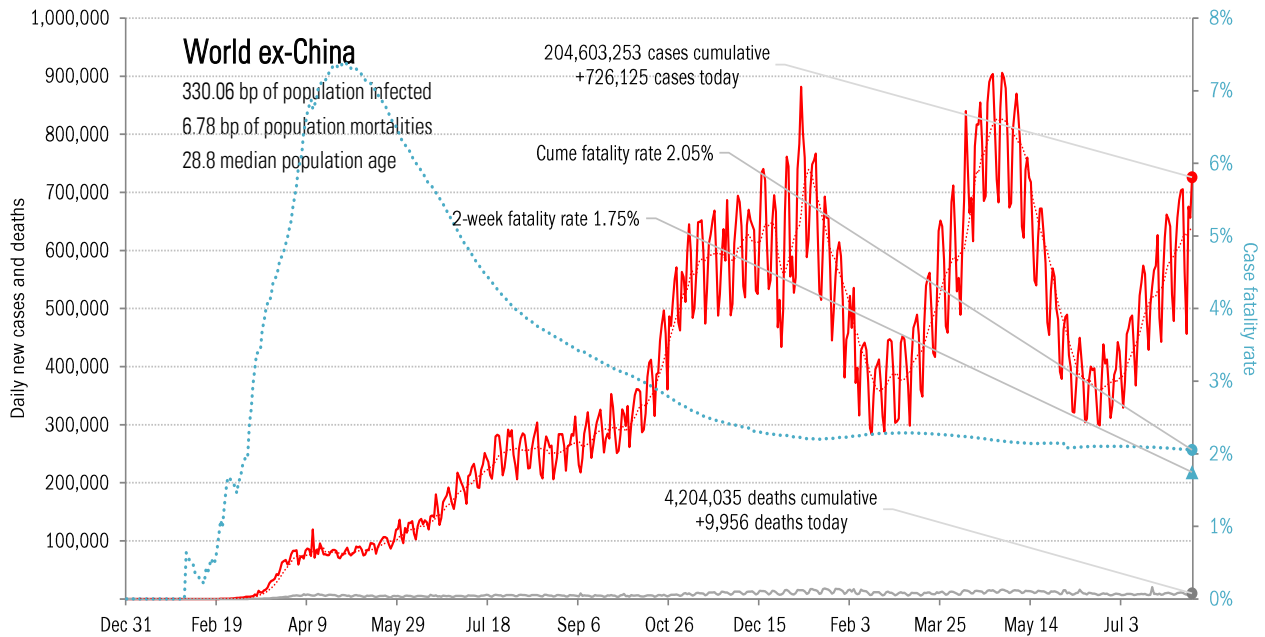
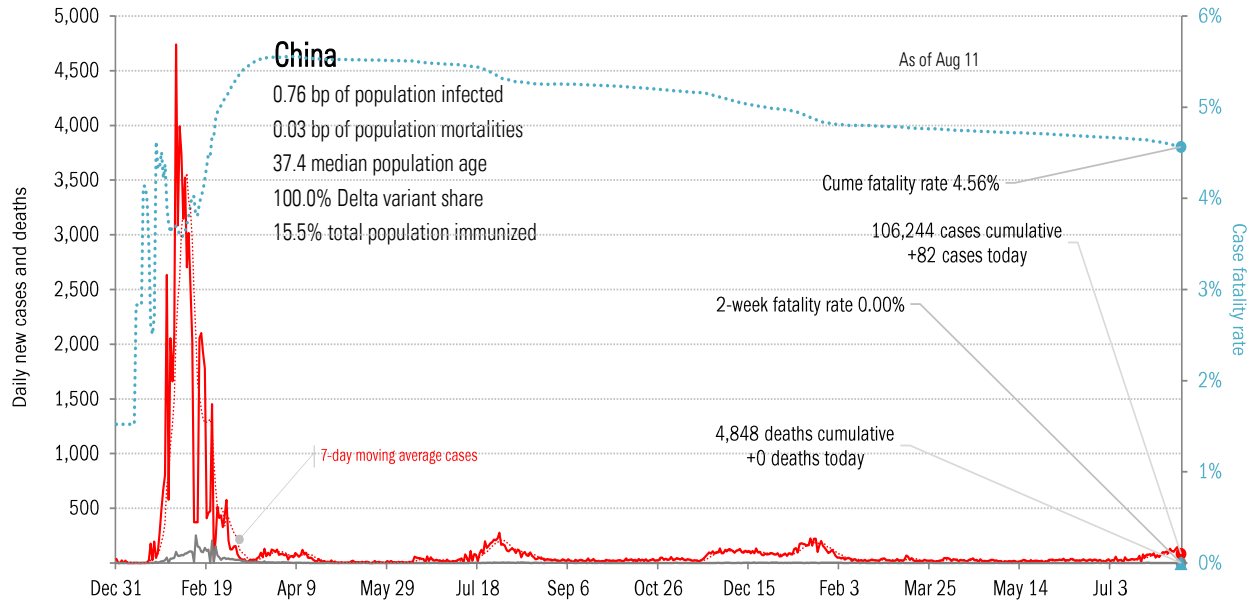
Source: [Johns Hopkins](#), TrendMacro calculations

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



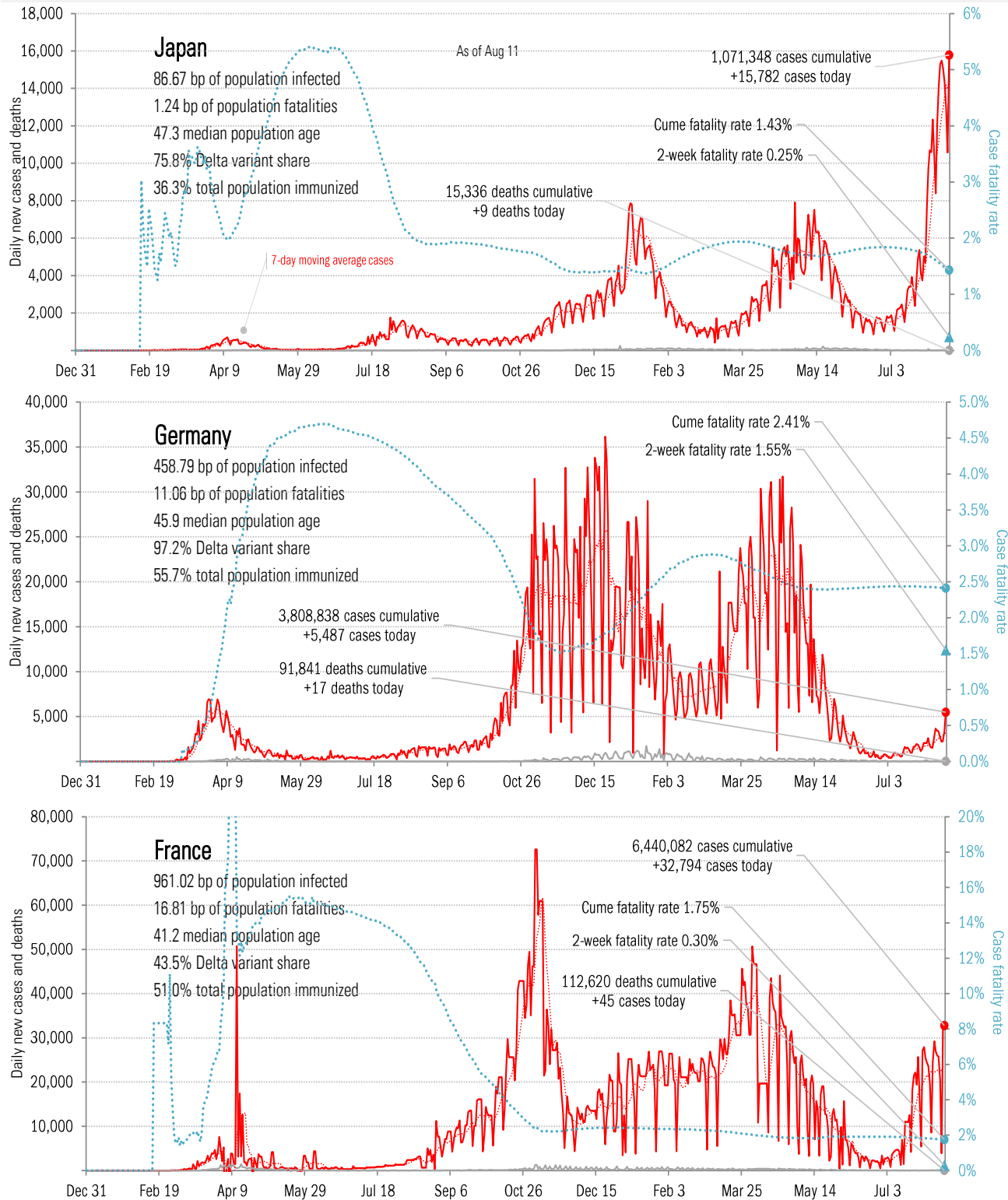
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



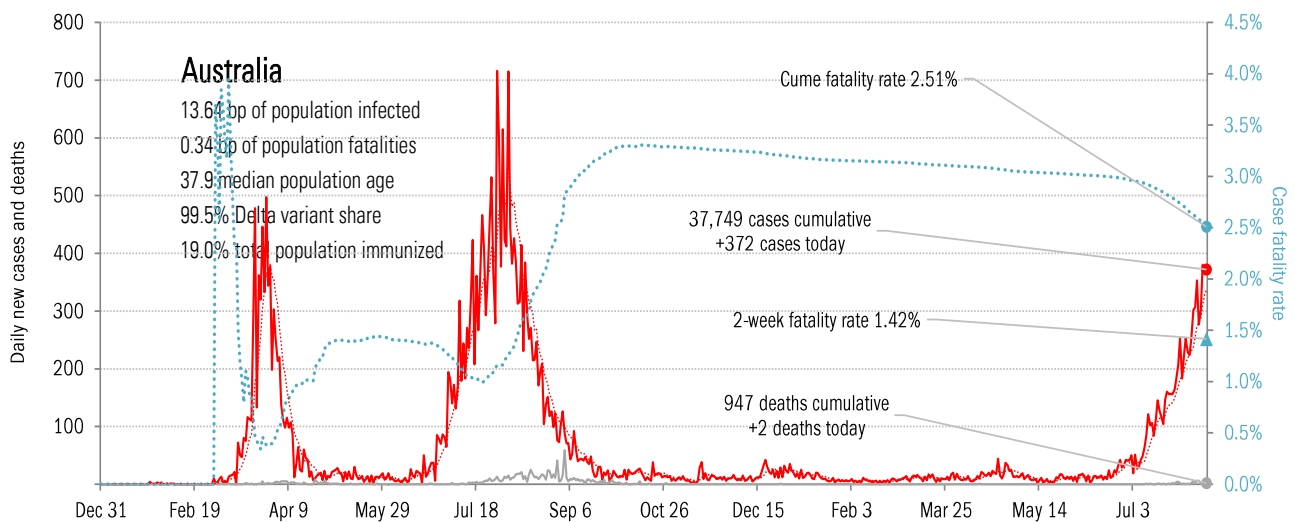
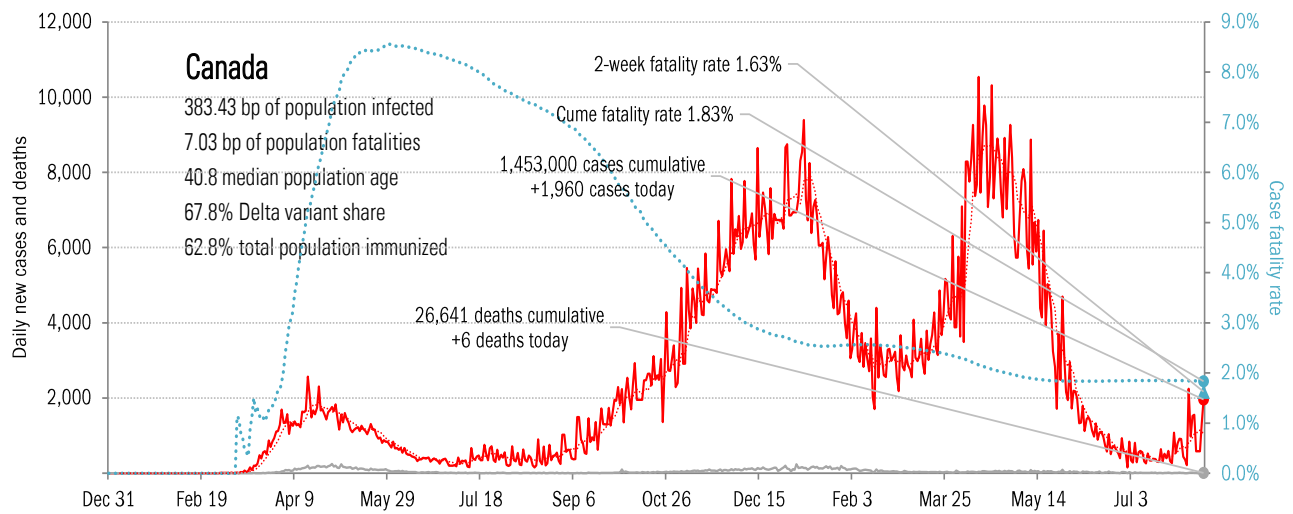
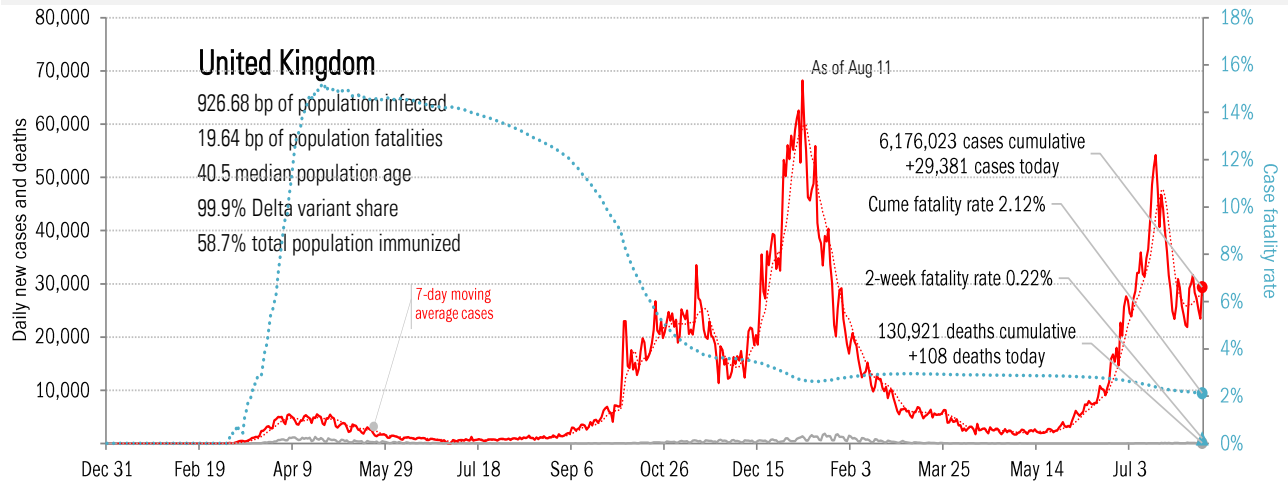
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



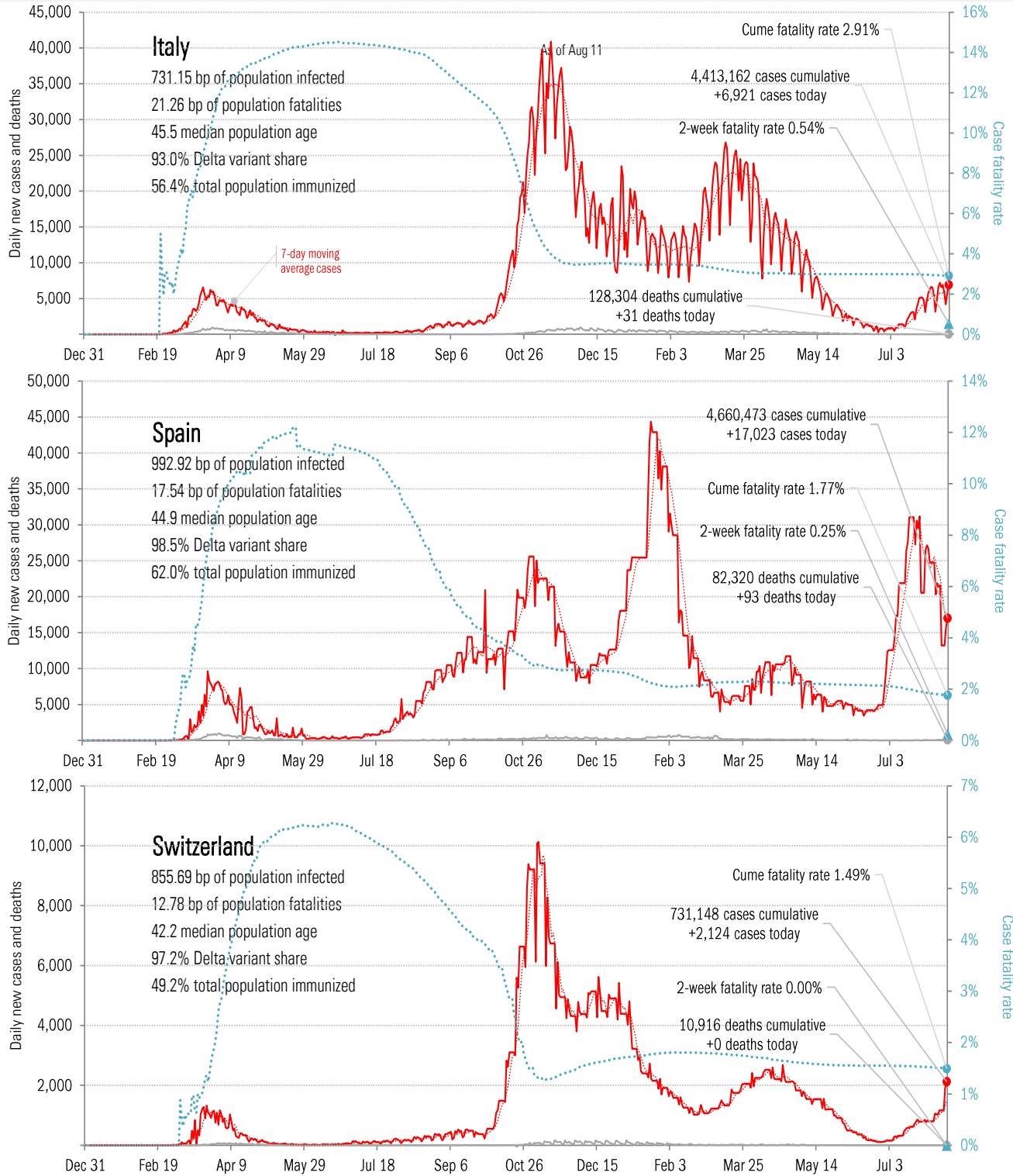
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



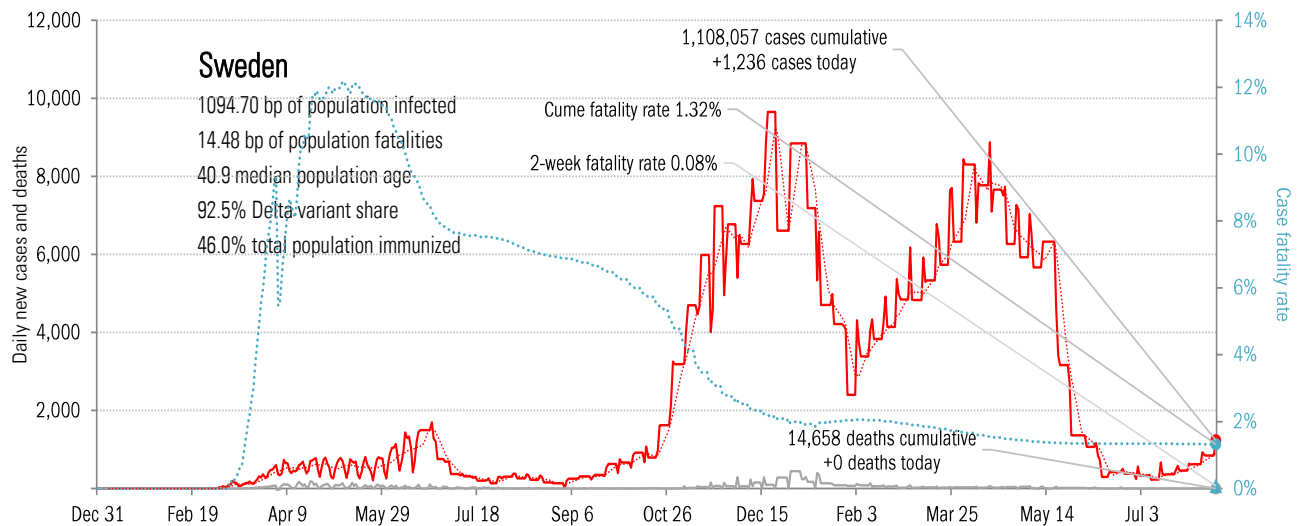
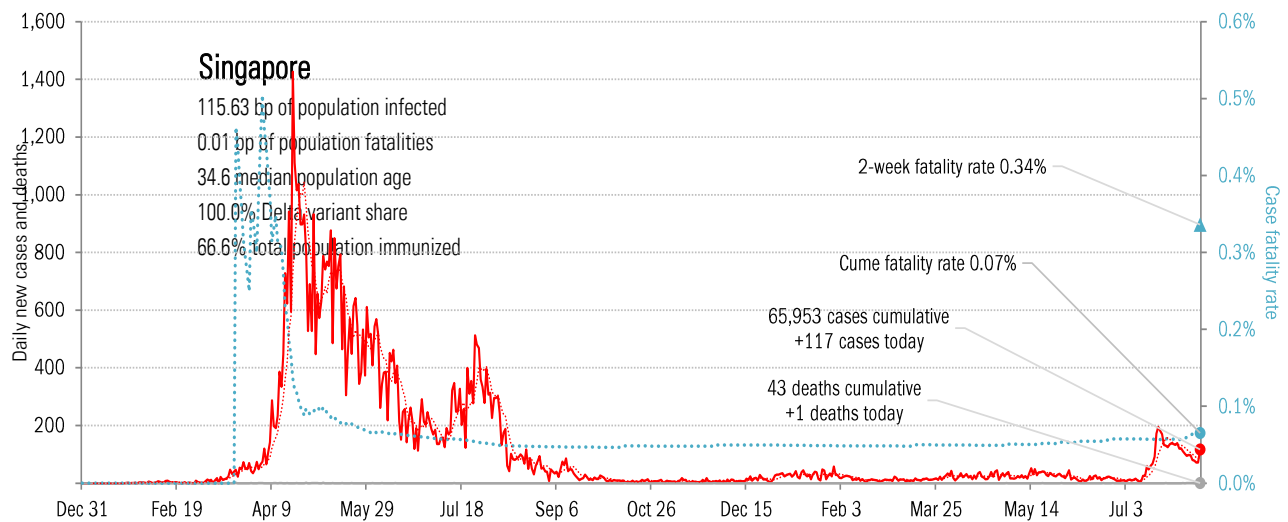
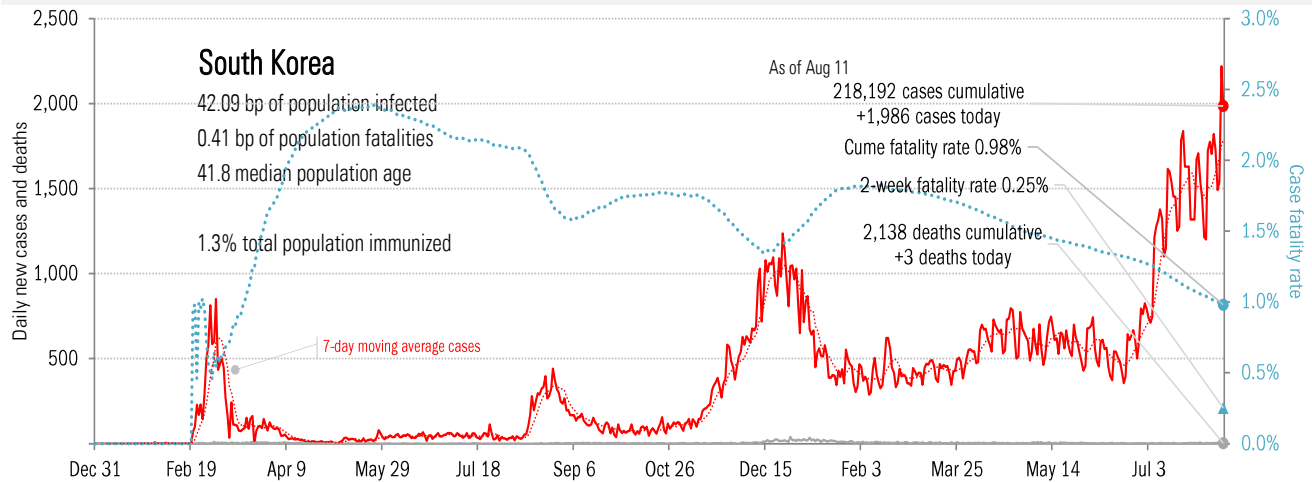
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



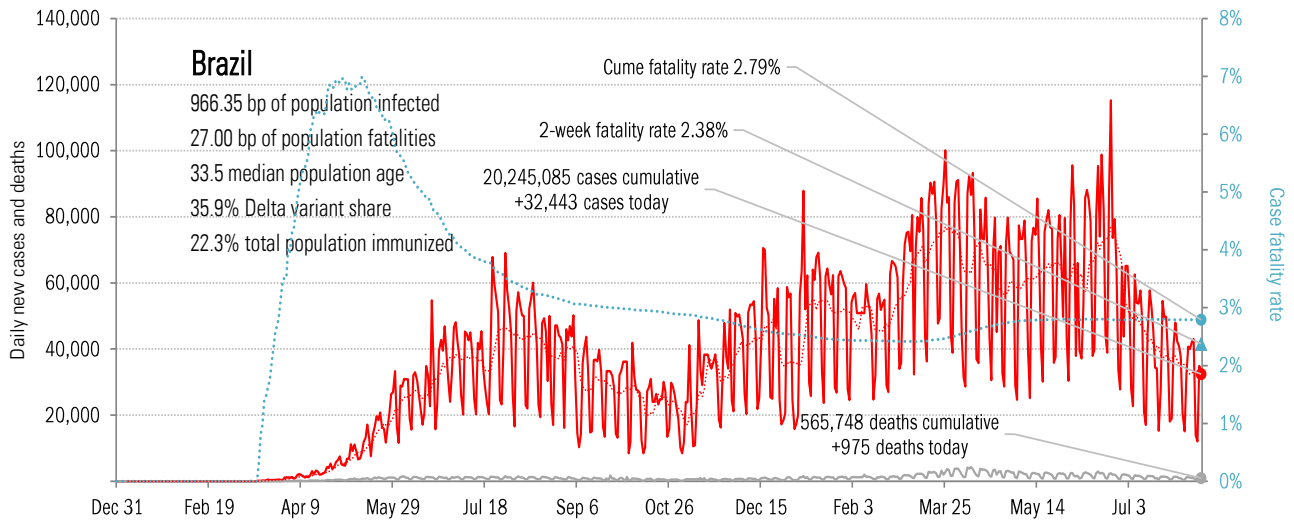
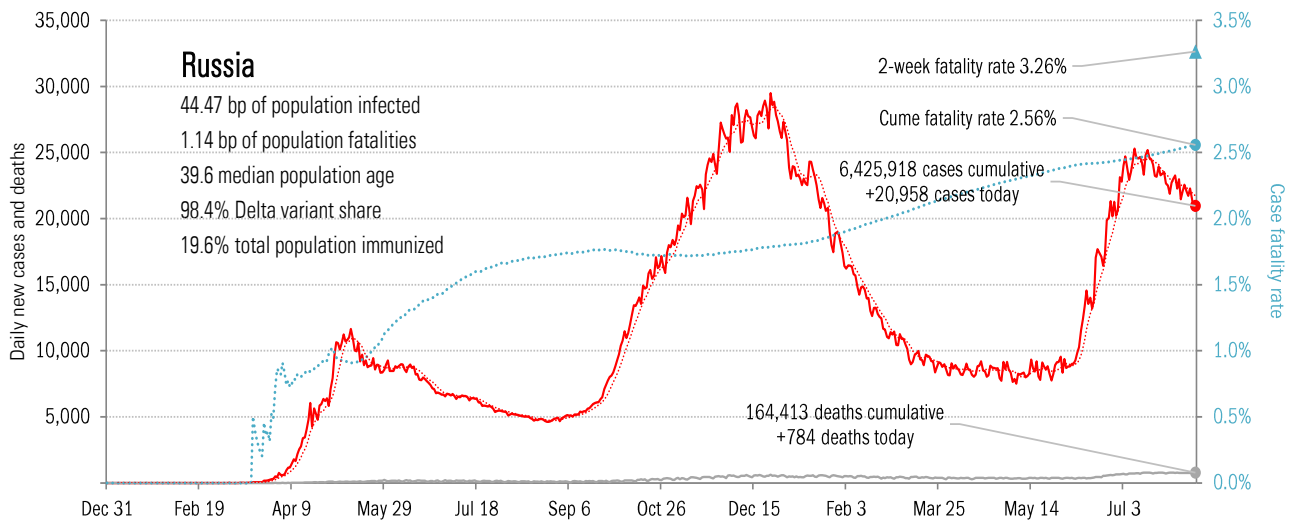
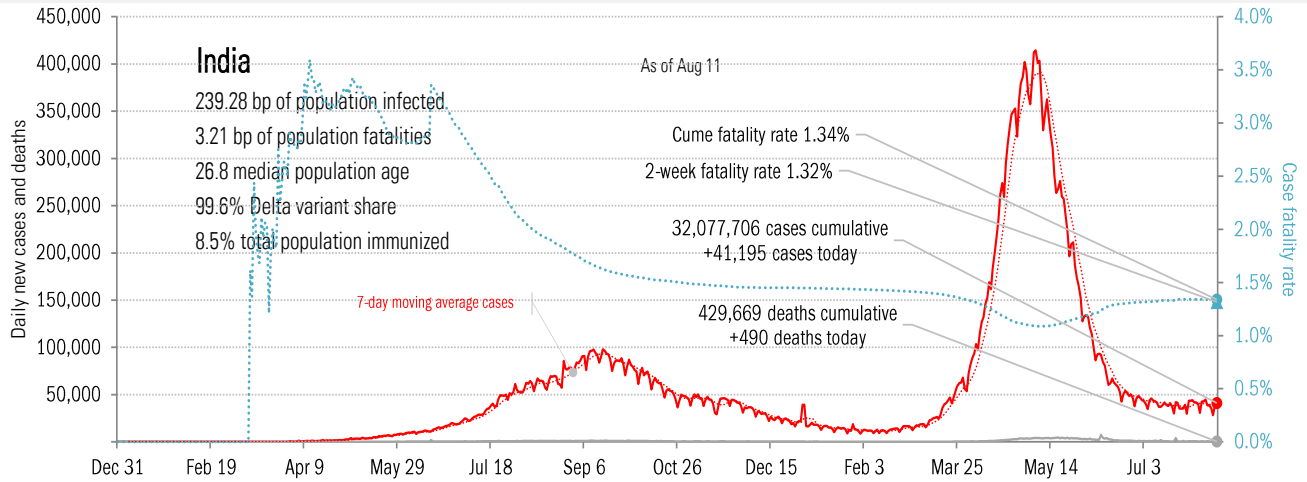
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



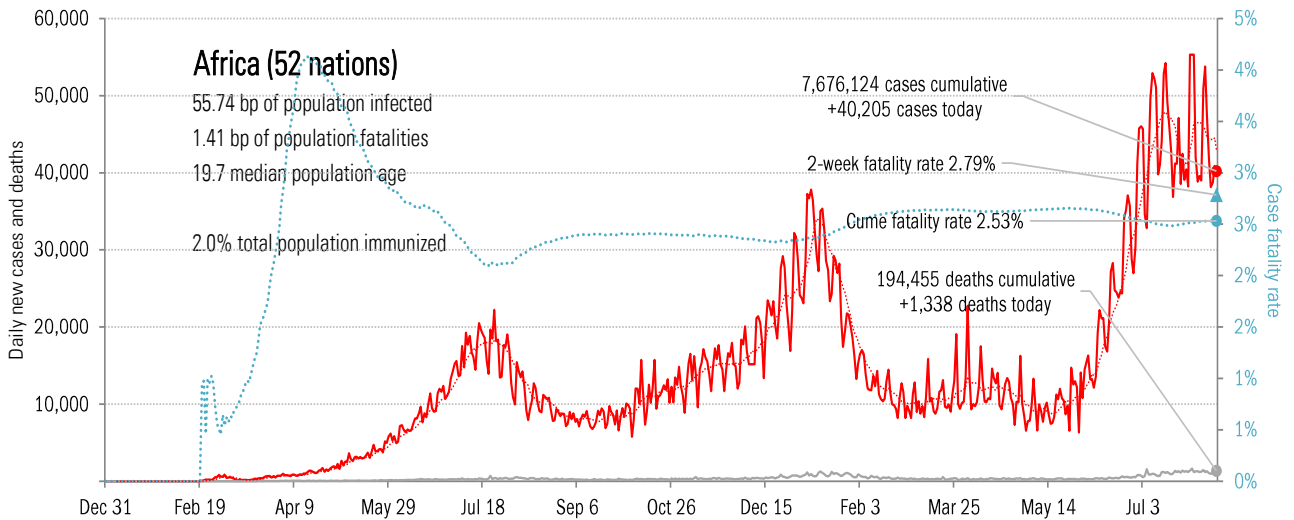
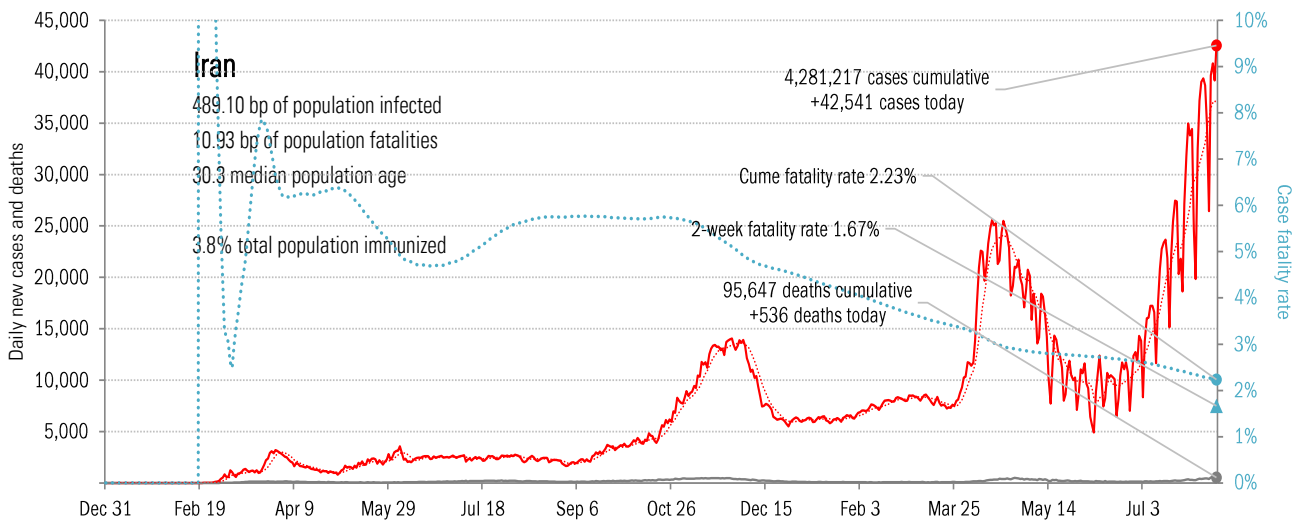
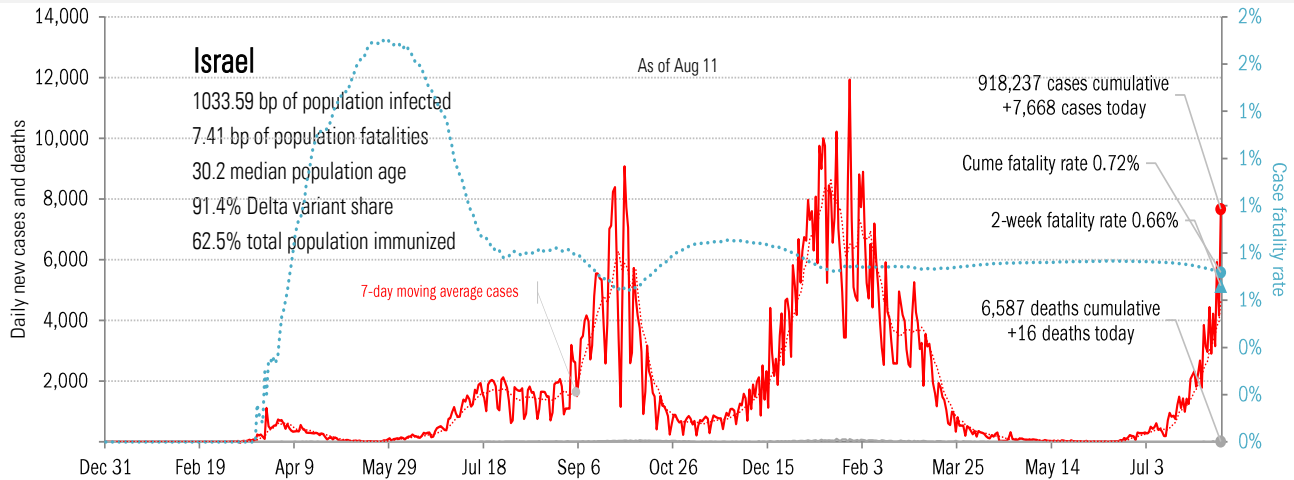
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



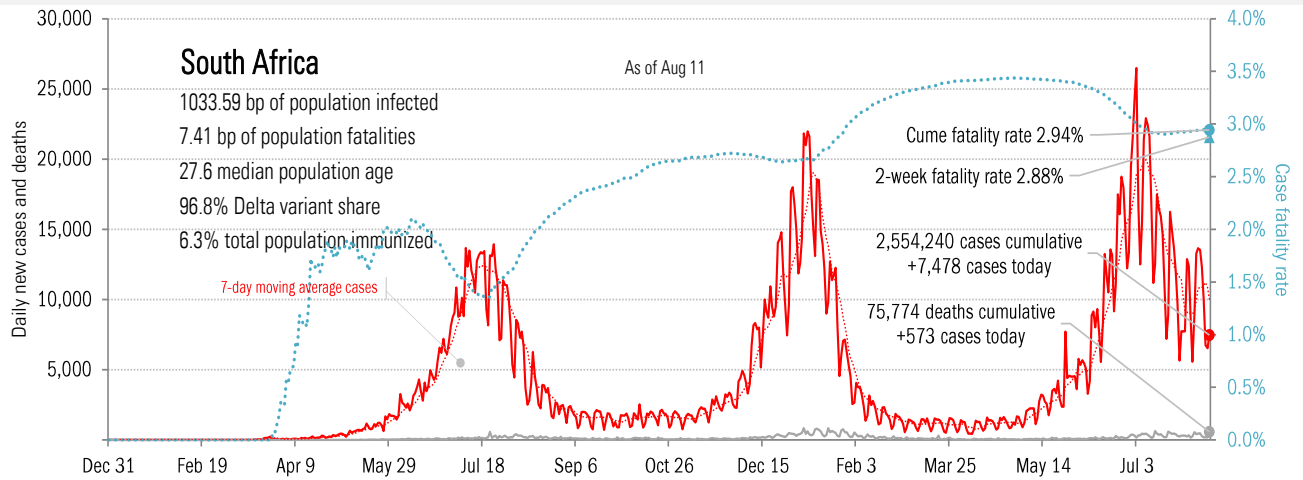
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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