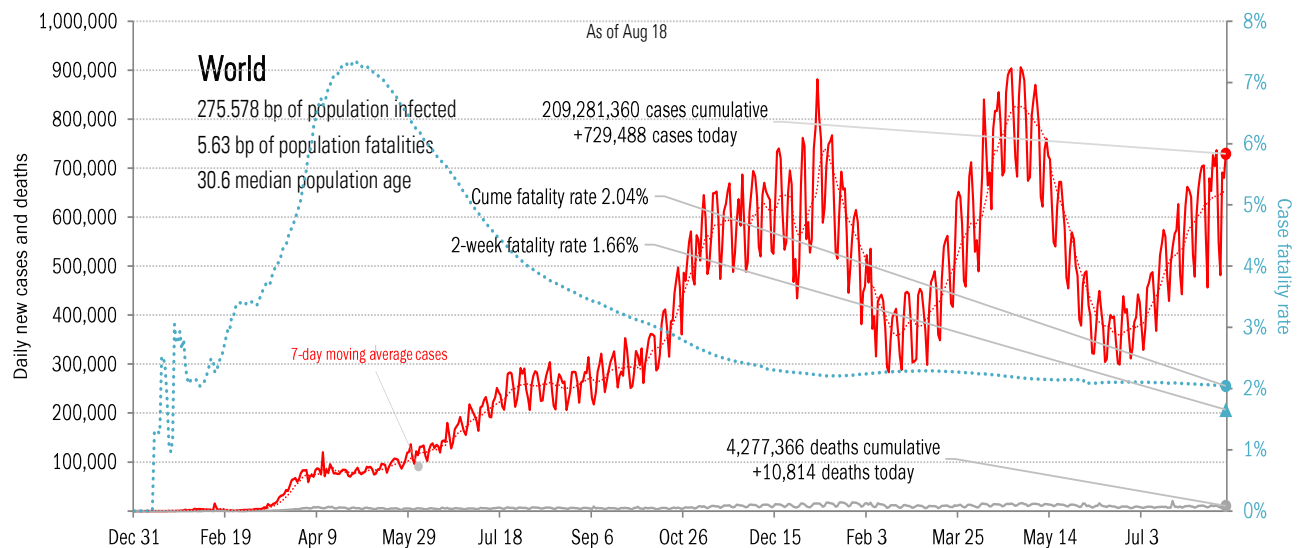
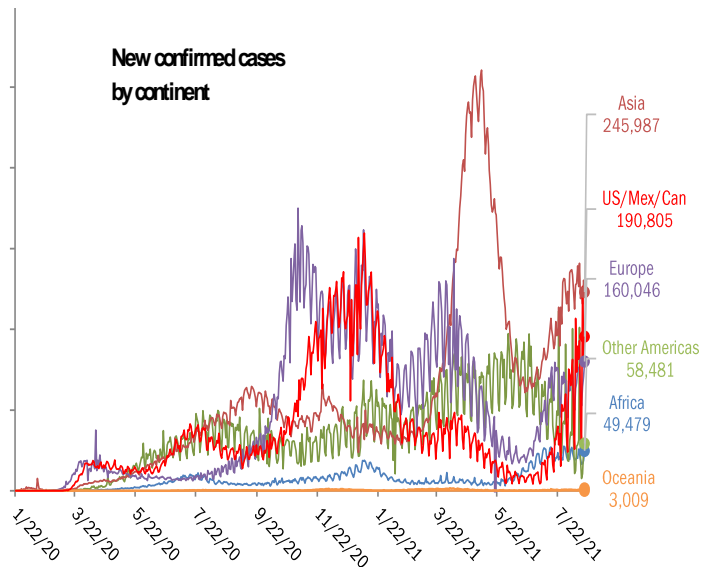


Data Insights: Covid-2019 Monitor

Thursday, August 19, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+159,496	United States	+1,145
Brazil	+41,714	Indonesia	+1,128
Iran	+39,174	Brazil	+1,064
India	+36,401	Mexico	+940
United Kingdom	+33,758	Russia	+779
France	+30,027	Iran	+583
Mexico	+28,953	India	+530
Japan	+23,987	South Africa	+384
Malaysia	+22,242	Thailand	+312
Thailand	+20,515	Vietnam	+298
+436,267		+7,163	
World +729,488		World +10,814	
Top ten 60%		Top ten 66%	



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

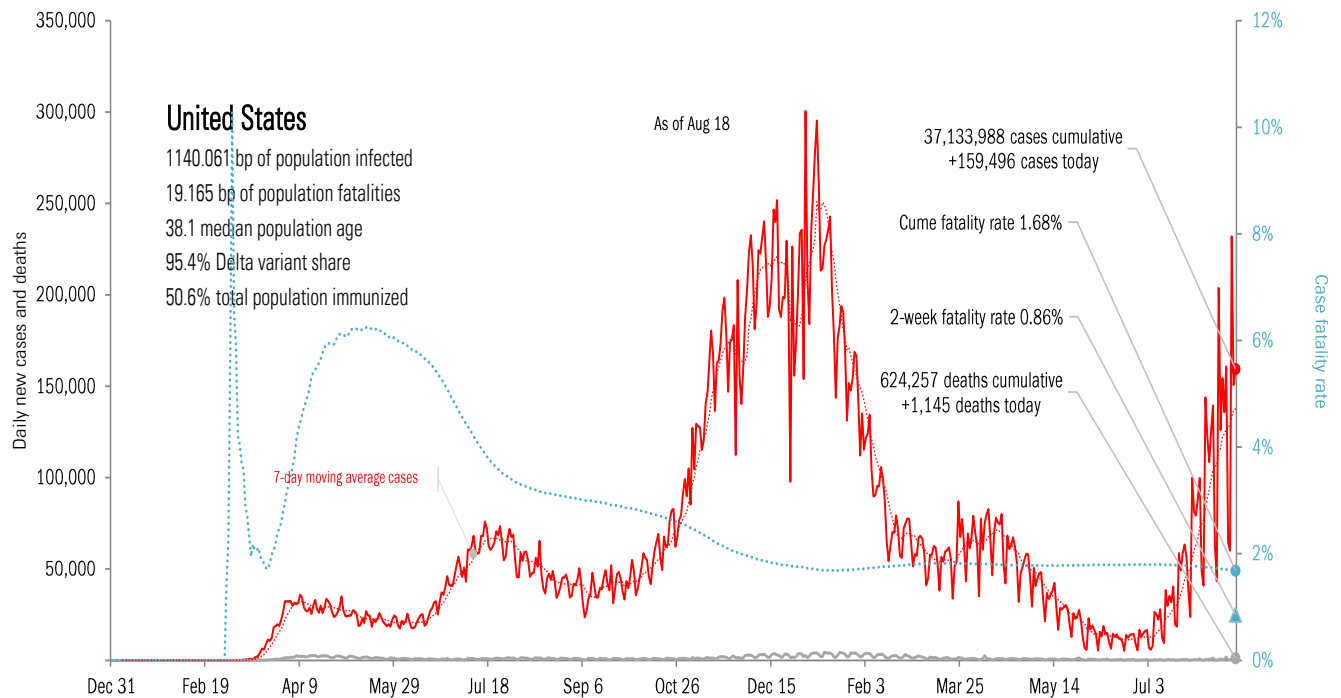
New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+21,681		TX	+177		FL	+358		CA	4,176,356		CA	64,845		TX	298,057		RI	88%	MS	57%
TX	+17,559		FL	+151		CA	+184		TX	3,402,025		TX	54,655		CA	266,331		GA	88%	FL	55%
CA	+12,508		CA	+101		KY	+81		FL	2,899,068		NY	53,939		FL	252,812		FL	87%	AL	52%
GA	+8,014		LA	+87		CH	+62		NY	2,217,969		FL	40,752		NY	143,084		MA	83%	LA	50%
LA	+6,606		CK	+82		CO	+45		IL	1,474,285		PA	28,018		GA	125,427		PA	83%	GA	48%
IA	+5,697		NC	+57		CR	+43		GA	1,287,667		NJ	26,721		PA	95,511		MD	82%	TX	46%
TN	+5,478		MI	+49		IL	+42		PA	1,261,160		IL	26,118		CH	93,539		MO	82%	AR	45%
NC	+5,256		IL	+45		TN	+42		CH	1,168,111		GA	22,103		IL	89,072		SC	82%	CK	44%
NY	+4,793		GA	+43		IN	+38		NC	1,131,243		MI	21,353		KY	87,294		AL	81%	ID	41%
AL	+4,465		AL	+40		SC	+36		NJ	1,065,736		CH	20,648		MI	76,077		NV	81%	MO	39%
+92,057			+832			+931			20,083,620			359,152			1,527,204						
All states	+159,496		+1,296			+1018			All states	37,133,988		624,257			2,705,104			All states	70%	67%	
Top ten	58%		64%			91%			Top ten	54%		58%			56%			Median	74%	20%	

Some states not reporting

Updated Saturdays

Five most improved US states

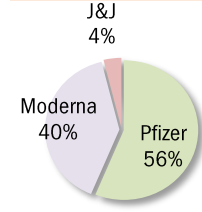
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-10,647	MO	-111	TX	-359	UT	+40 bp
CA	-2,973	LA	-35	AR	-135	RI	+30 bp
NE	-2,065	CH	-34	GA	-135	AR	+20 bp
MN	-1,886	MS	-31	AL	-112	LA	+20 bp
CR	-807	NY	-24	CK	-72	MP	+20 bp



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	368,718,316		+0.719 million		US	50.6%	59.6%	
	One dose	% Pop	Immune	% pop	New immune today	UK	60.4%	69.8%
Total population	204,201,205	61%	173,553,951	52%	+0.295 million	France	53.6%	69.0%
Age 12 to 17	11,597,341	49%	8,563,528	36%	+0.058 million	Spain	64.7%	75.0%
Age 18 to 64	140,190,653	69%	118,401,001	58%	+0.202 million	Germany	57.8%	63.2%
Age 65 and over	51,422,975	94%	45,775,688	84%	+0.033 million	Italy	57.7%	68.0%
						Australia	22.1%	40.3%
						Israel	62.8%	67.8%
						Canada	64.8%	72.9%
						Japan	39.5%	51.1%
						Africa	2.3%	4.4%
						India	9.0%	31.7%
						Brazil	24.1%	57.3%
						China	54.0%	43.2%



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



Every American >18 immune in **163 days** by Jan 28, 2022
 63.6% of population >18 immunized
 12.7% previously tested positive
76.2% vs 60% adult herd immunity*

As of Aug 18

Global data differs from sources, timing

AK
52.9%
46.4%

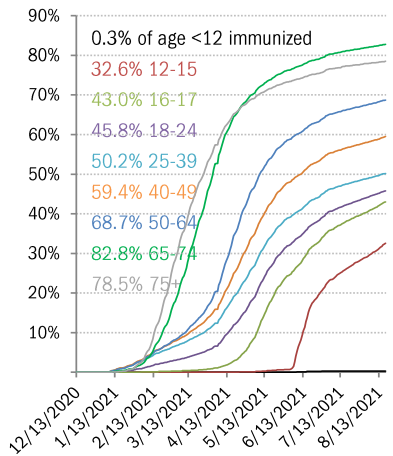
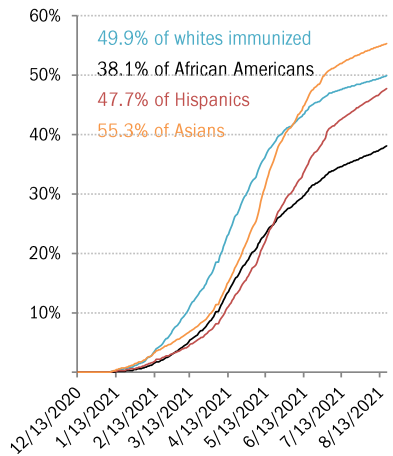
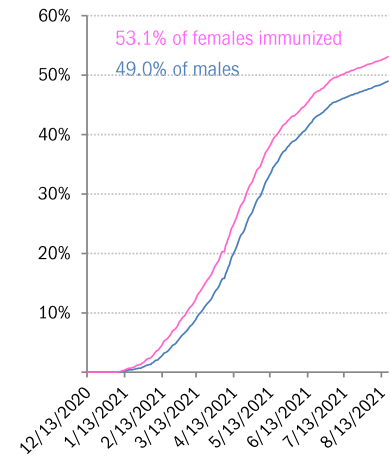
WI
57.3%
52.8%

ME
70.0%
64.8%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
66.0%	42.7%	51.0%	47.0%	60.7%	64.5%	54.4%	65.6%	75.2%	66.1%	
59.0%	38.2%	45.2%	40.8%	54.8%	50.0%	49.7%	58.6%	67.1%	59.0%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
62.1%	56.3%	43.6%	54.8%	55.1%	48.9%	51.4%	67.7%	68.3%	74.2%	
56.8%	46.1%	37.6%	48.1%	50.6%	45.3%	47.5%	53.8%	59.9%	65.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
67.2%	54.4%	62.2%	56.0%	51.2%	54.9%	46.6%	63.9%	66.8%	72.0%	69.7%
54.5%	46.2%	55.7%	50.6%	43.3%	47.0%	39.4%	55.9%	60.2%	64.7%	63.2%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	55.3%	67.8%	55.7%	51.2%	47.5%	53.7%	49.6%	66.1%	62.7%	
	46.6%	58.5%	46.7%	39.0%	40.3%	44.9%	41.9%	56.3%	54.0%	
			OK	LA	MS	AL	GA			
			51.0%	47.2%	44.2%	47.0%	48.8%			
			41.8%	38.9%	36.2%	35.7%	39.7%			
			TX					FL		PR
			55.0%					61.7%		71.3%
			45.6%					50.7%		61.5%

HI
72.9%
54.4%

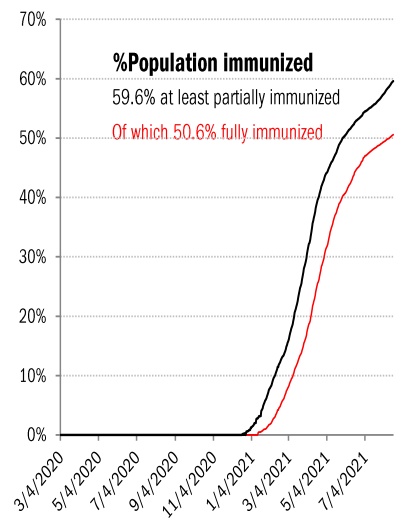
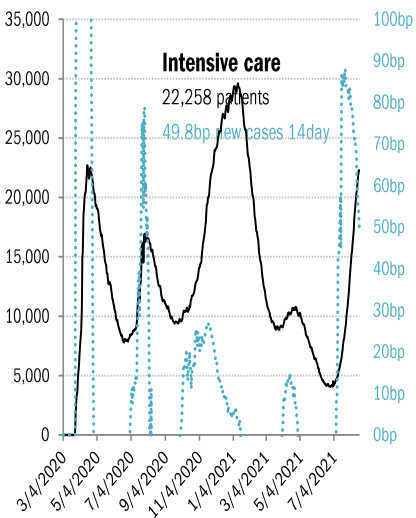
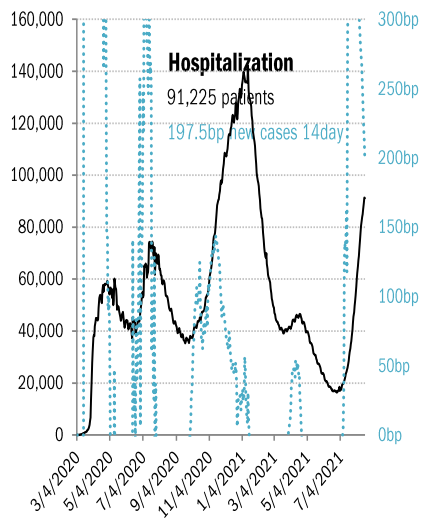
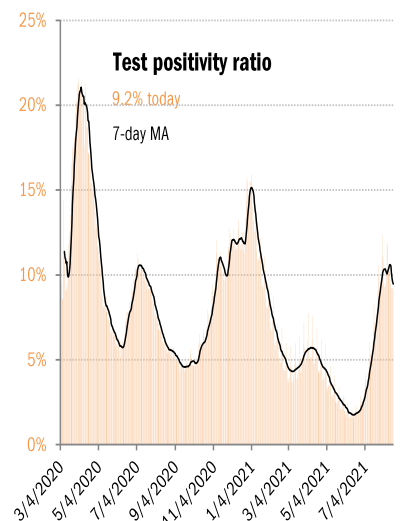
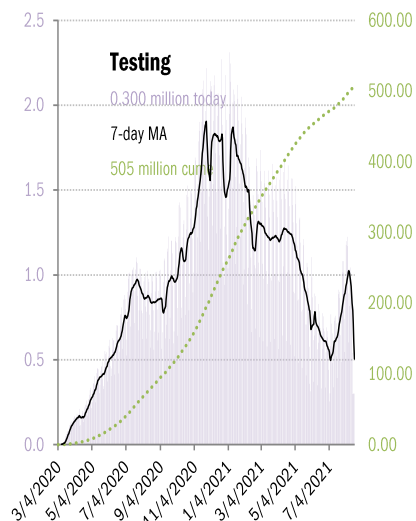
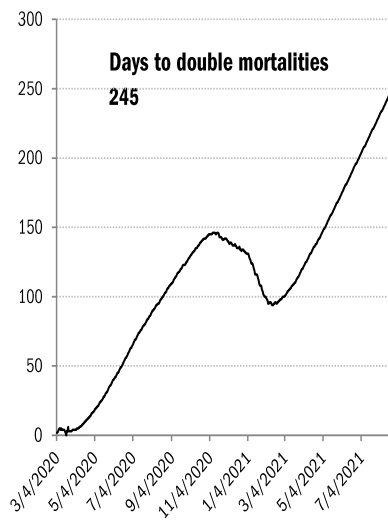
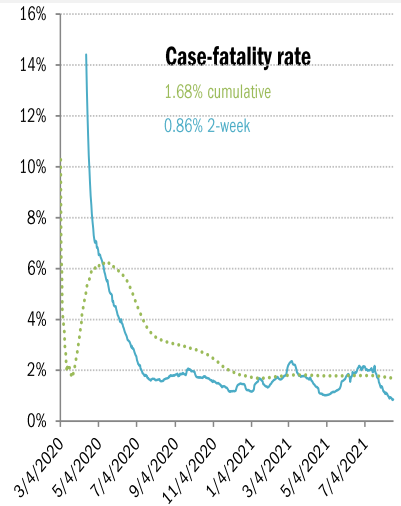
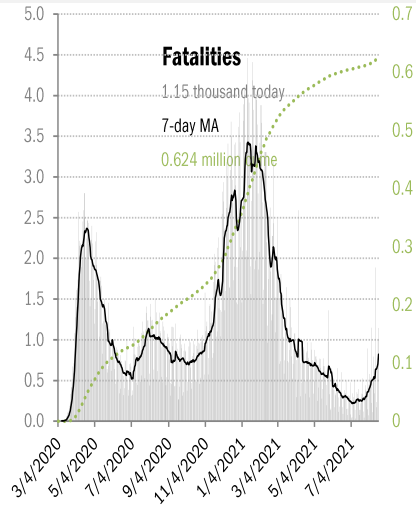
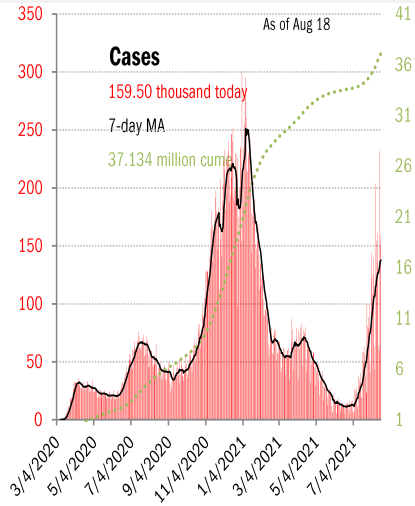
The demographics of US vaccination



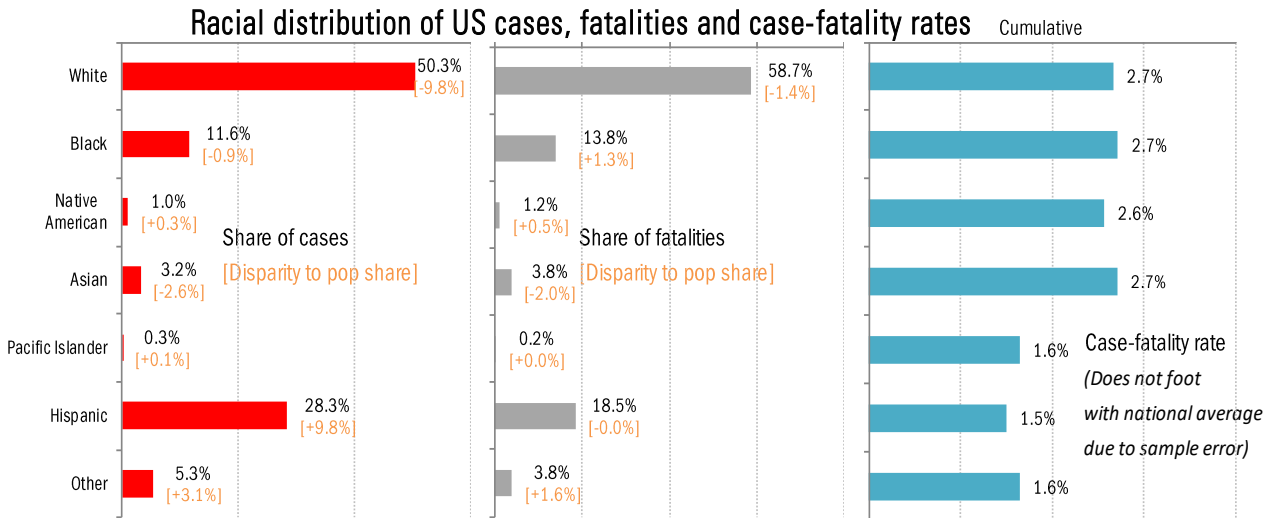
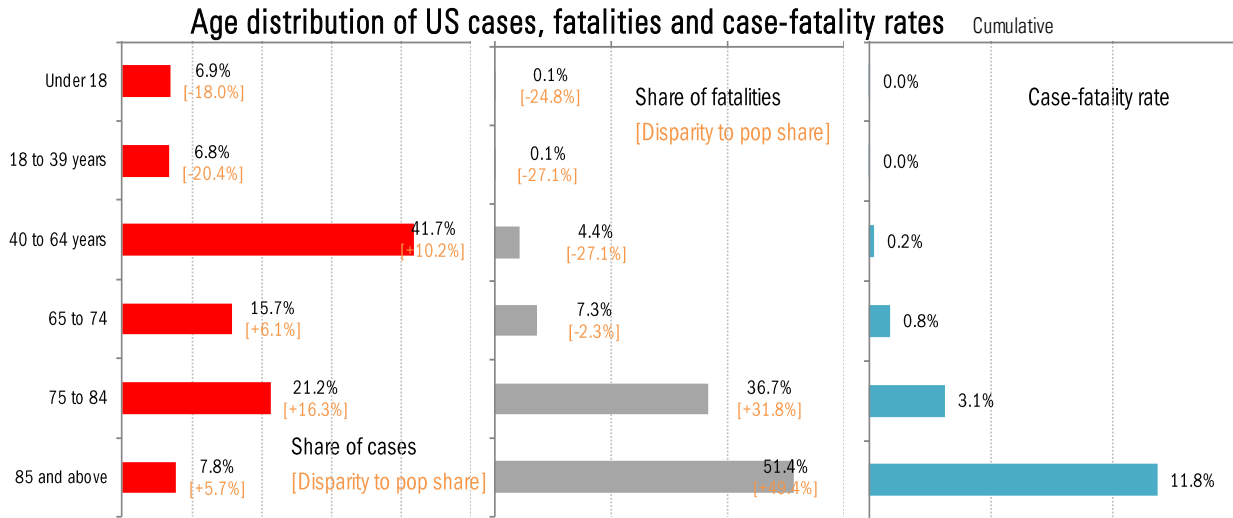
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

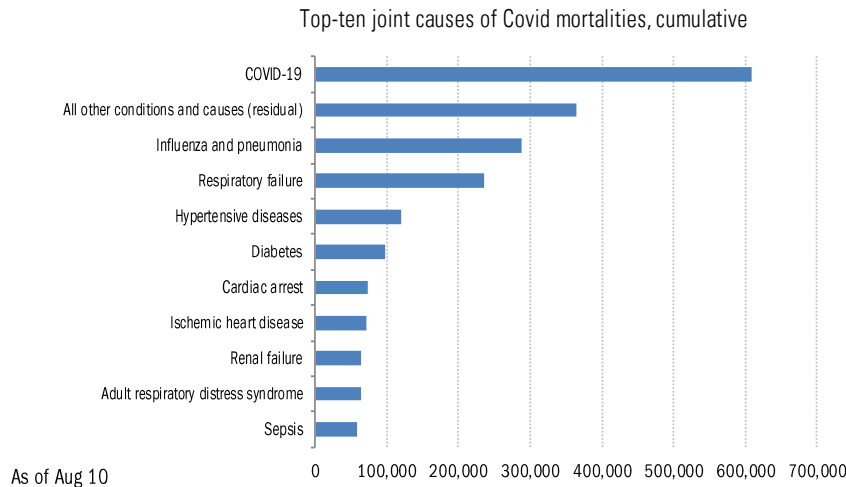
National and state-by-state data do not line up because of different sources



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

[Impact of Delta on viral burden and vaccine effectiveness against new SARS-CoV-2 infections in the UK](#)

Koen B. Pouwels
Nuffield Department of Medicine
August 18, 2021

[U.S. Keeps My Family in Covid Lockdown](#)

Mark Kelly
Wall Street Journal
August 18, 2021

[Animal sales from Wuhan wet markets immediately prior to the COVID-19 pandemic](#)

Xiao Xiao et al.
Nature Scientific Reports
June 7, 2021

[Delayed Wuhan Report Adds Crucial Detail to Covid Origin Puzzle](#)

Jason Gale
Bloomberg
August 16, 2021

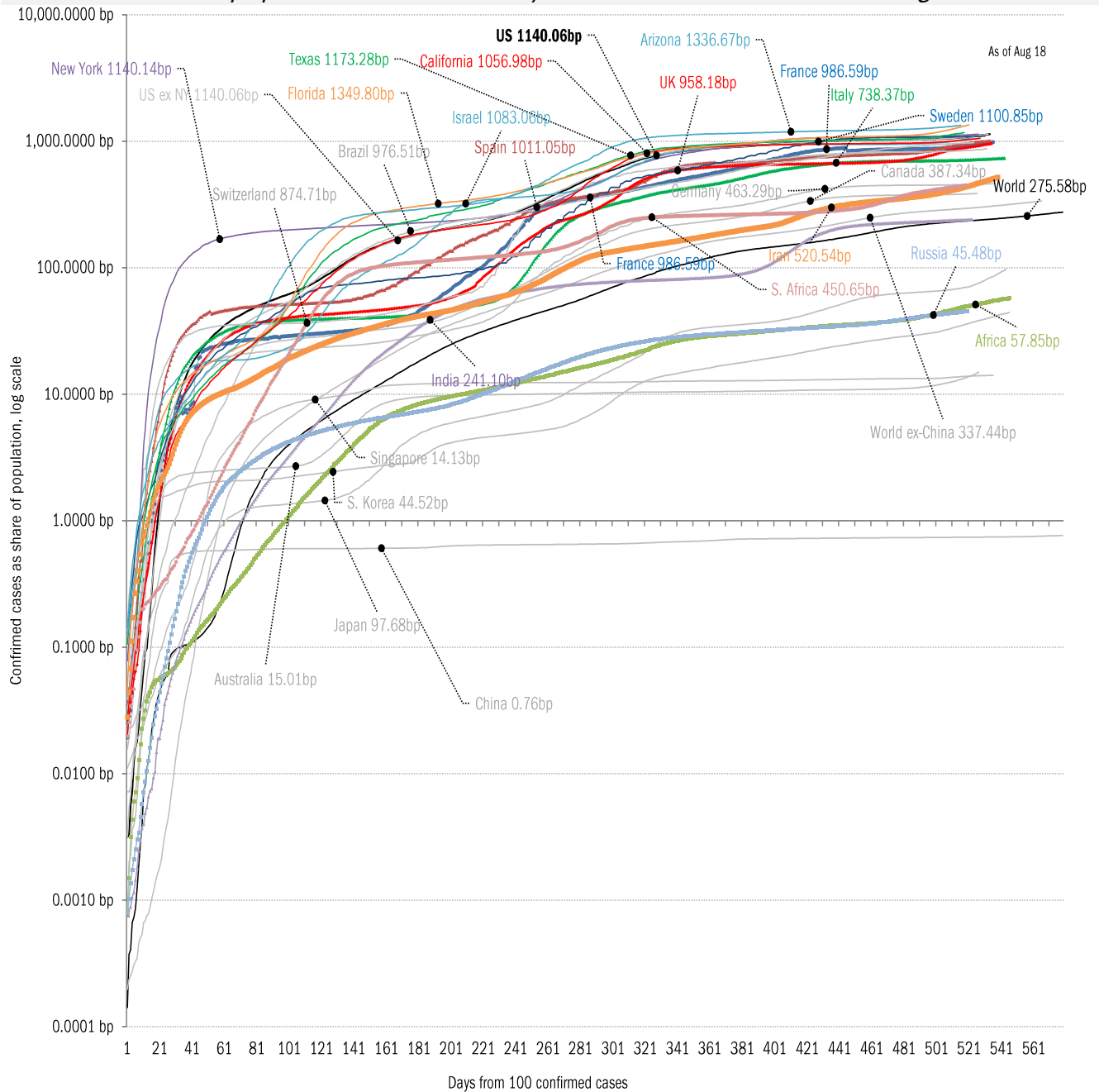
Meme of the day



New Zealand To Sink Entire Country Into The Sea To Stop Single Case Of COVID

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

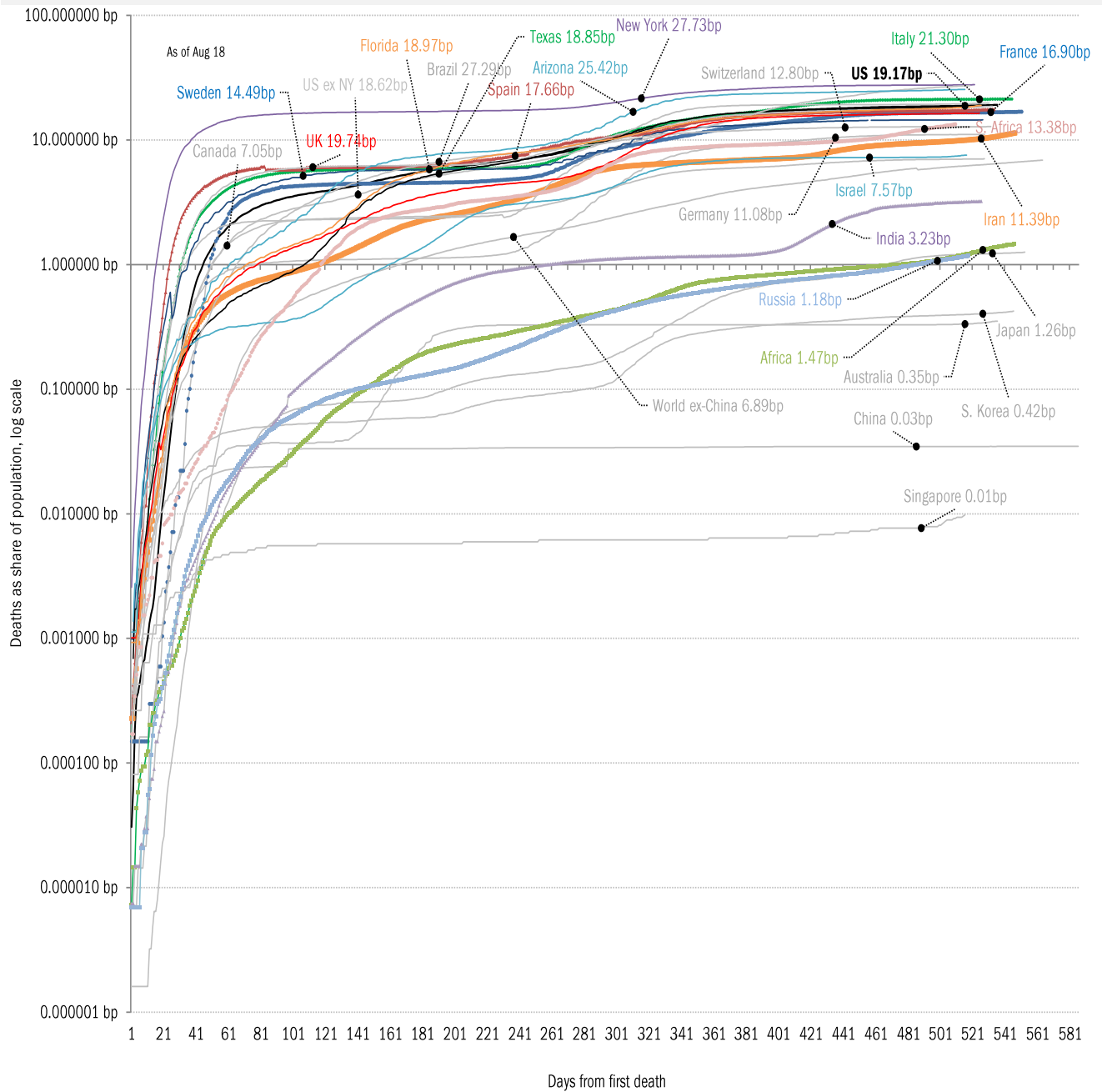
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

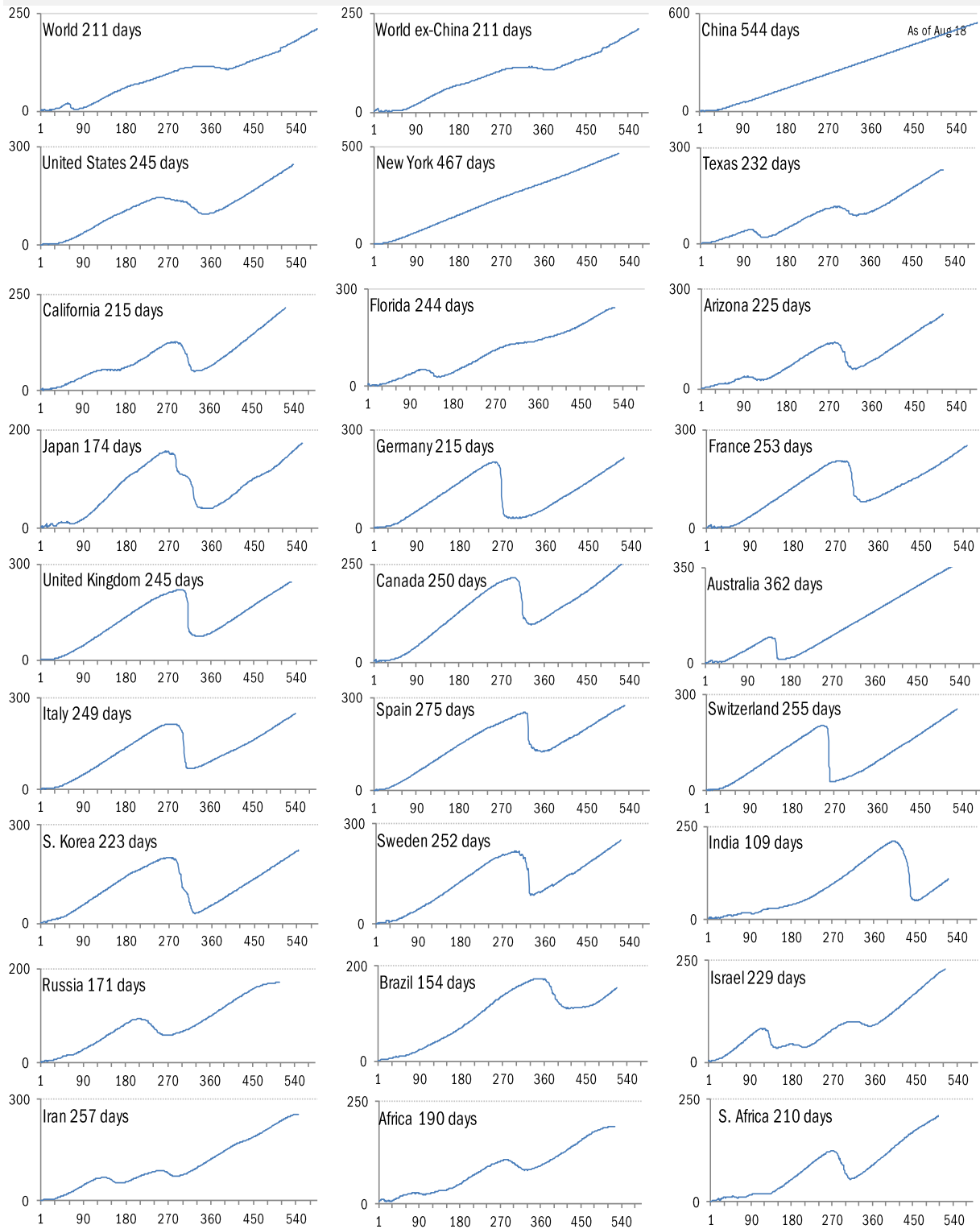


Source: [Johns Hopkins](#), TrendMacro calculations

"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

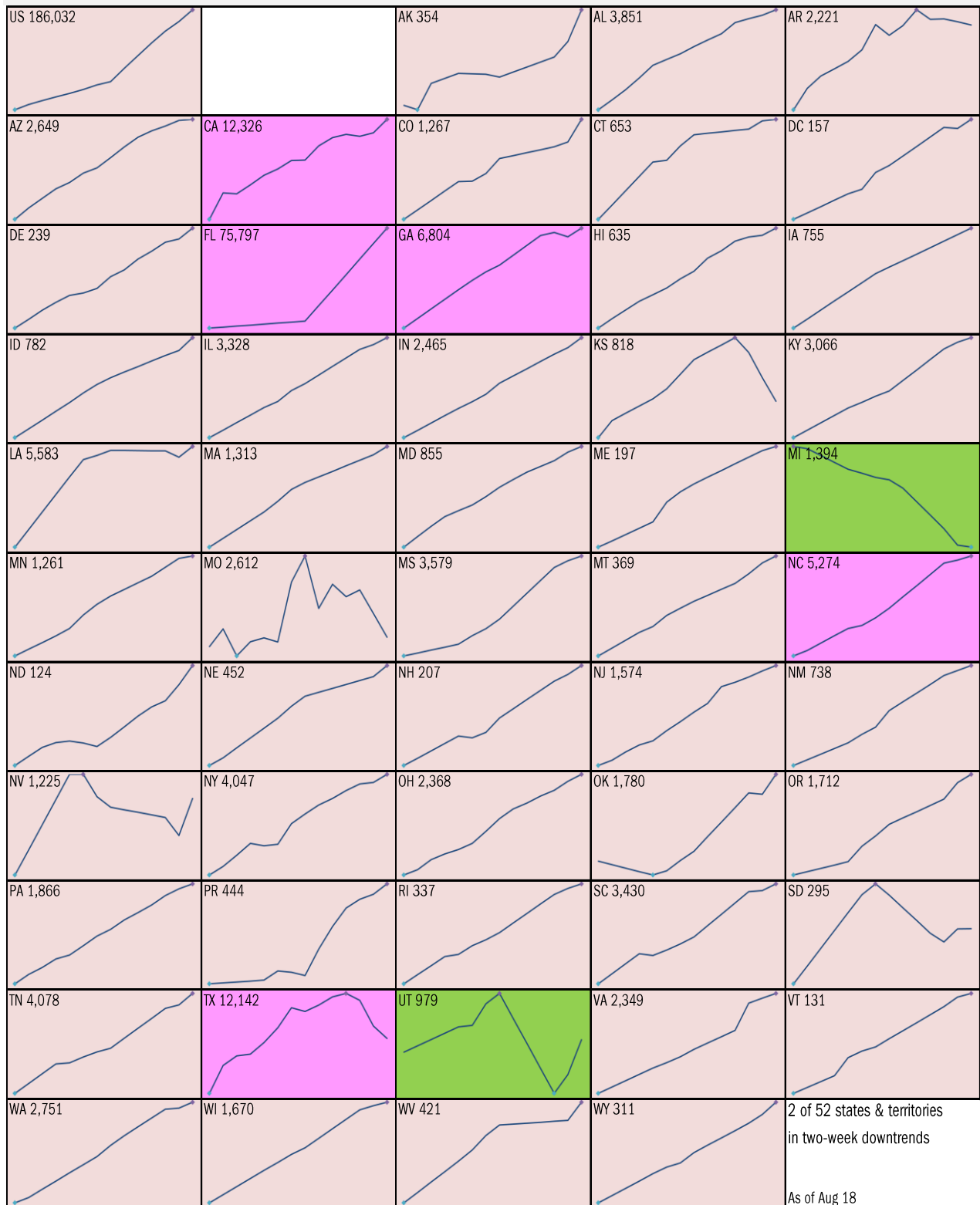


Source: [Johns Hopkins](#), TrendMacro calculations

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

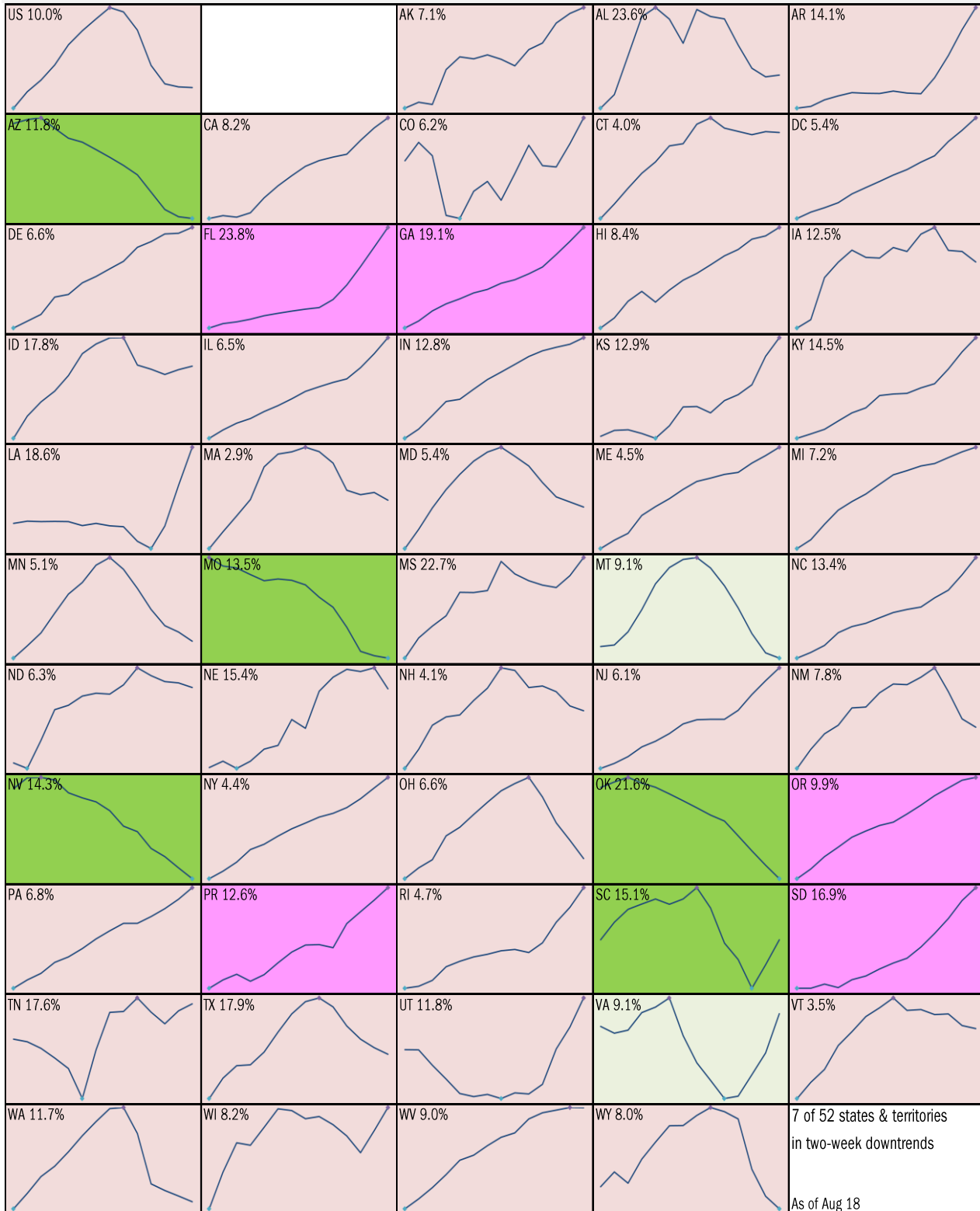


Source: [Johns Hopkins](#), TrendMacro calculations

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

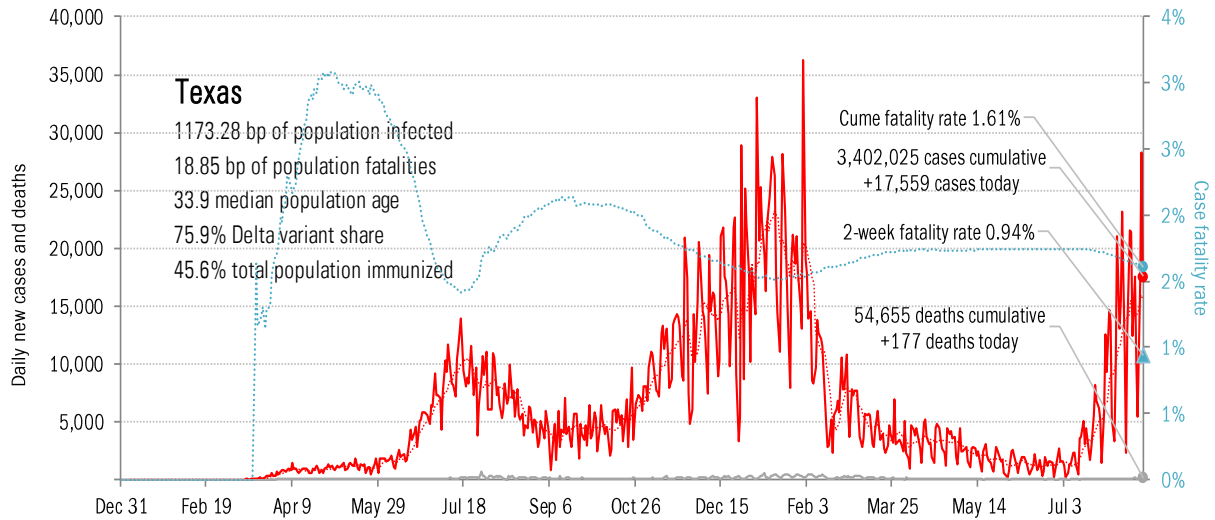
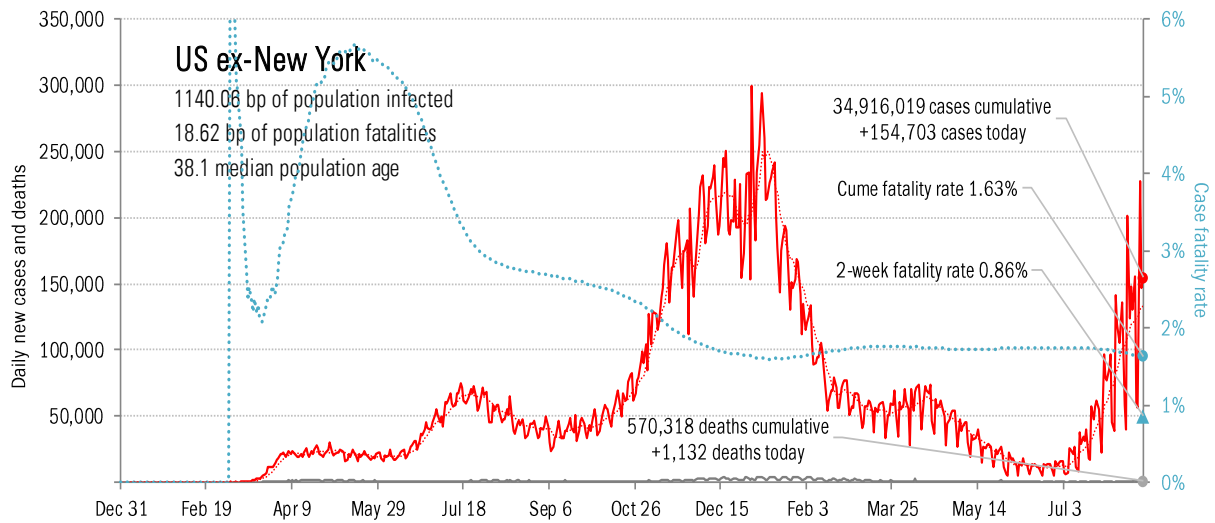
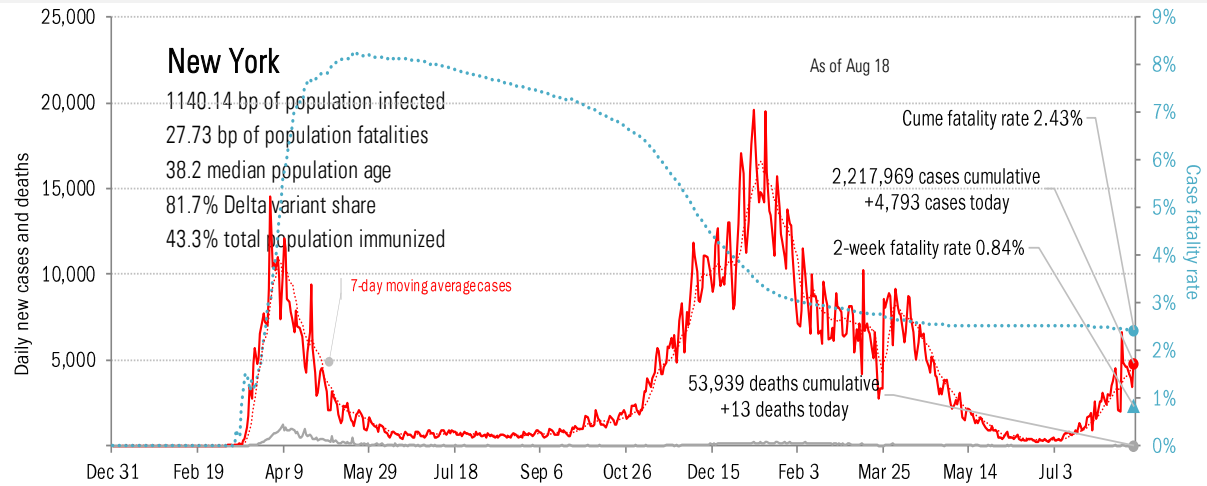
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



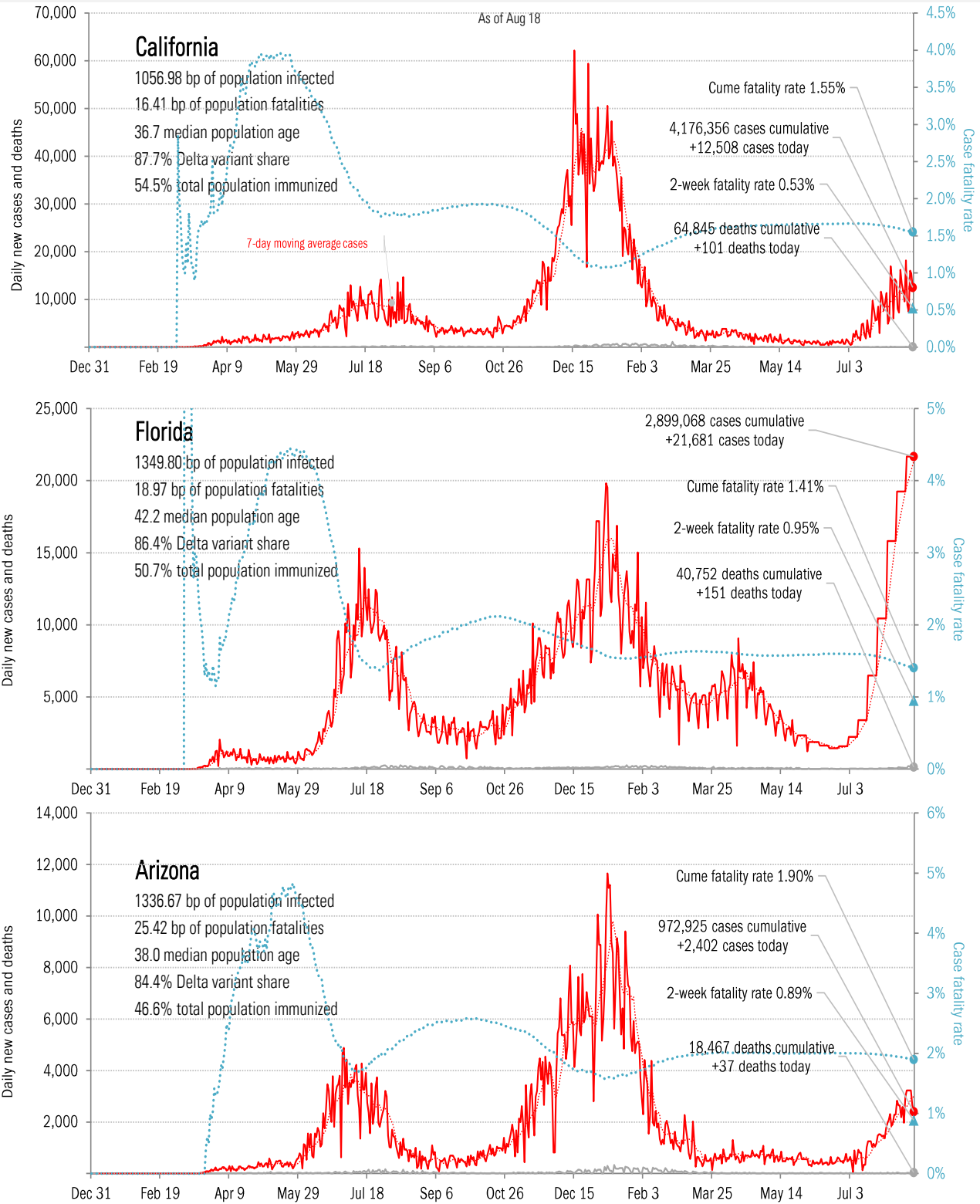
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



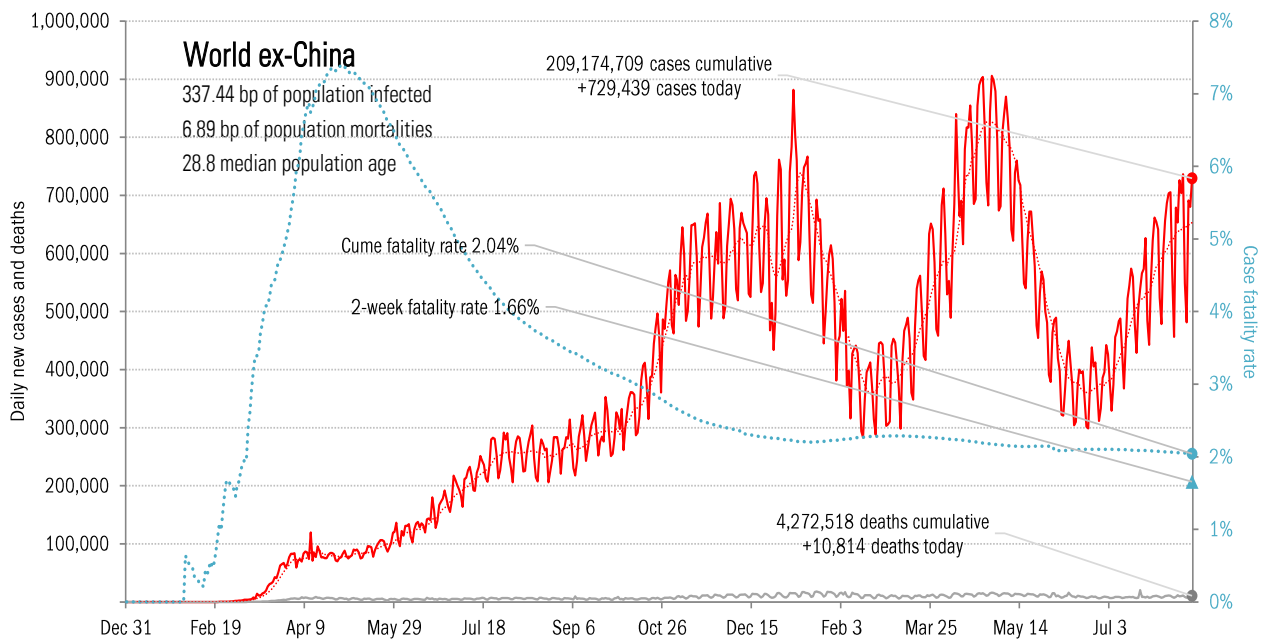
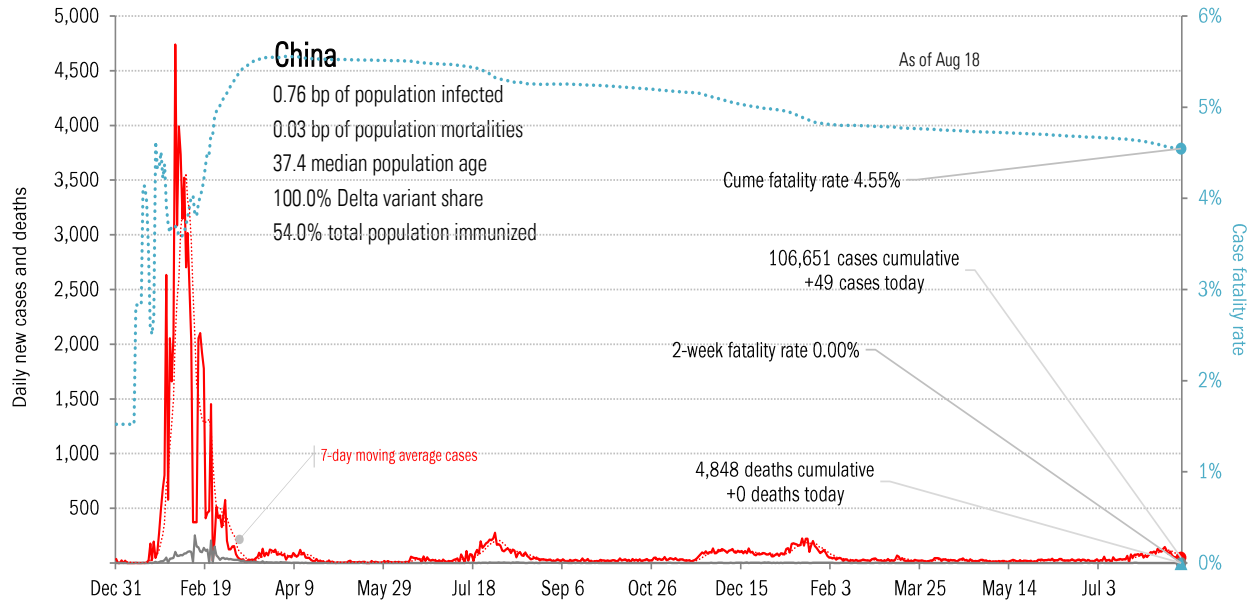
Source: [Johns Hopkins](#), TrendMacro calculations

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



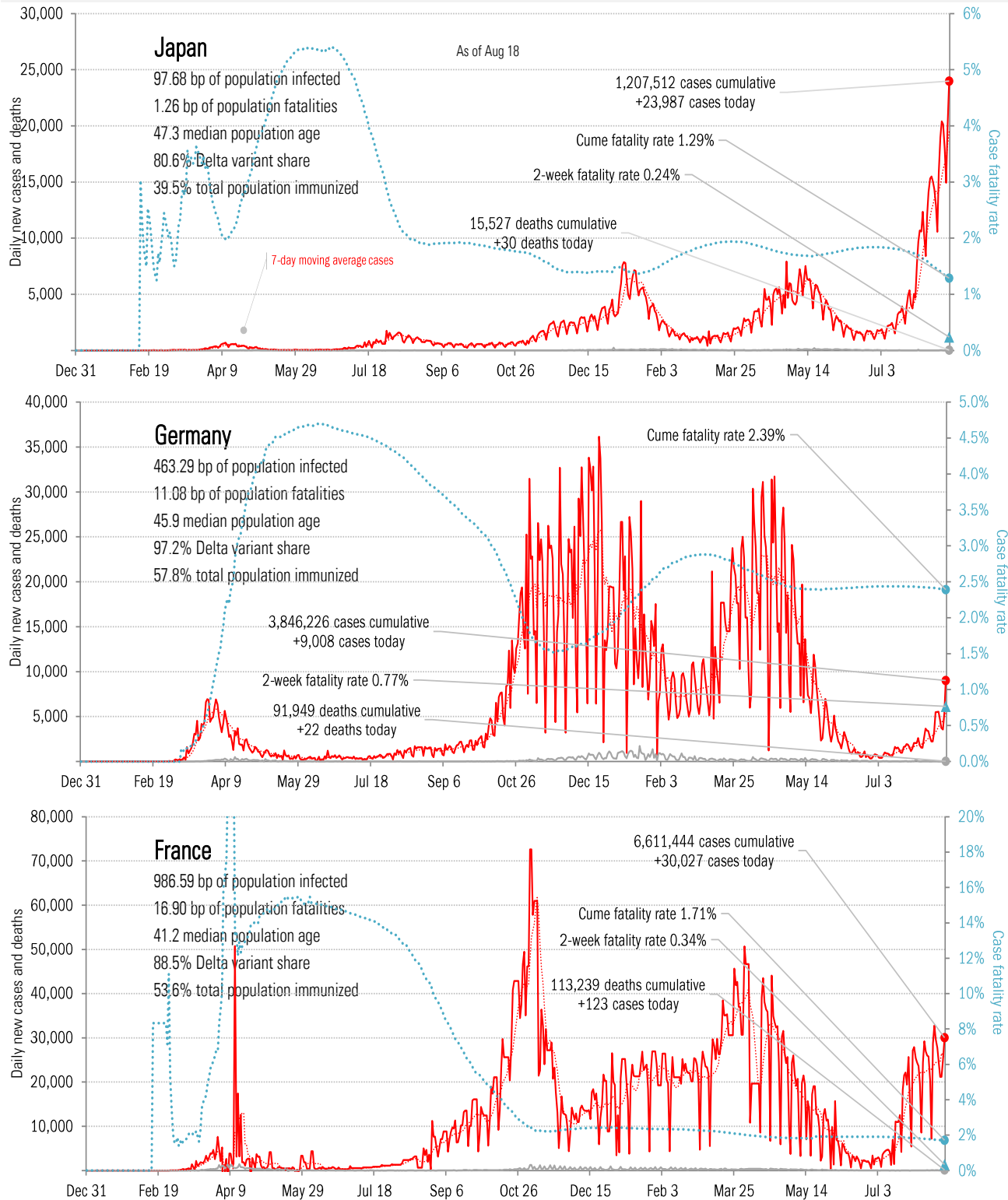
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



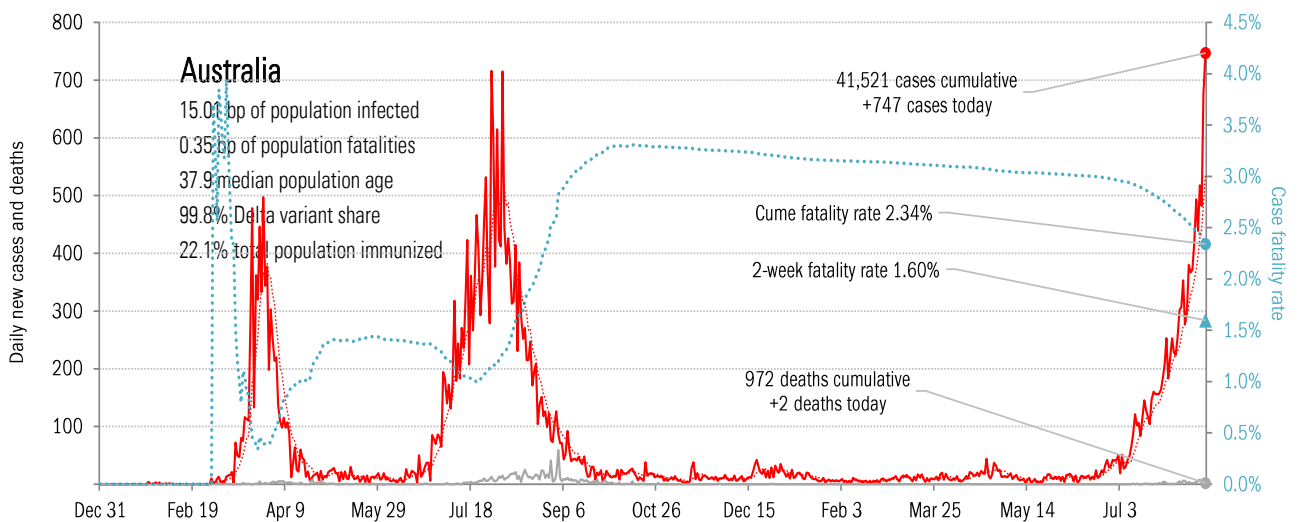
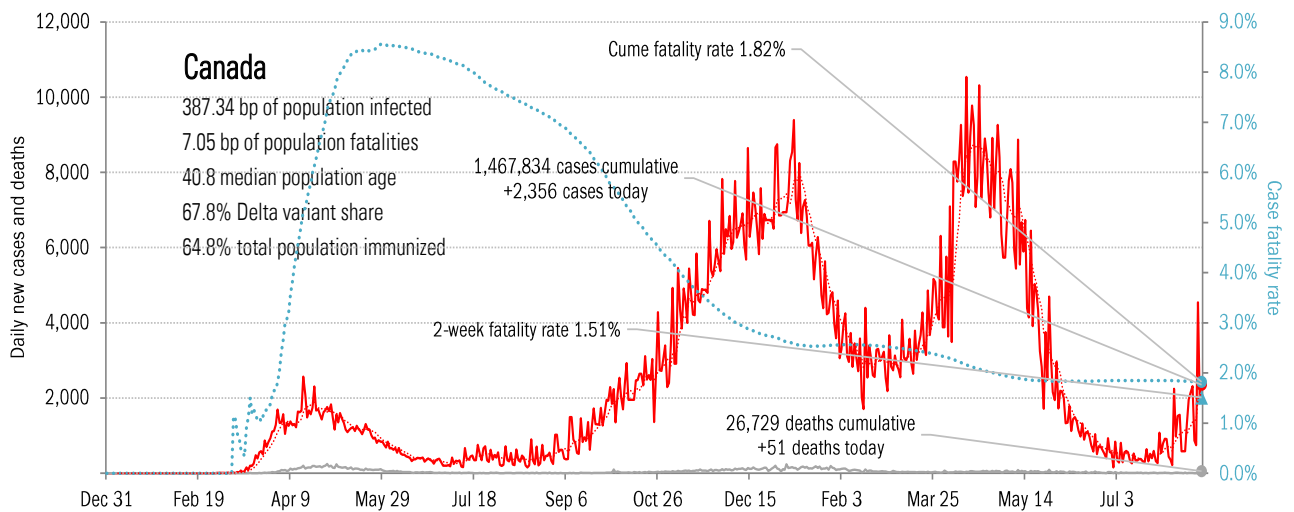
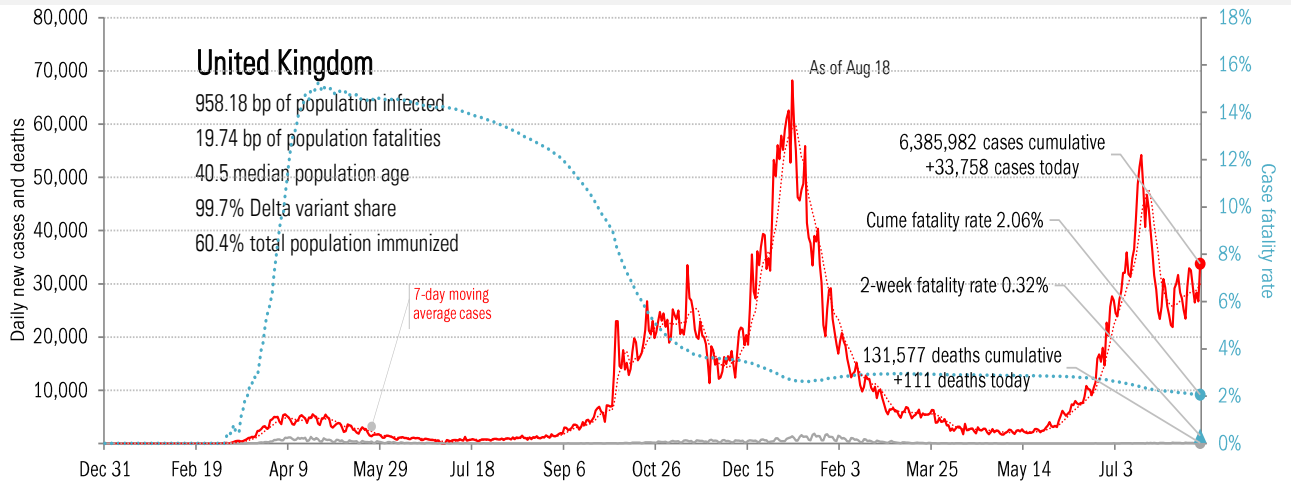
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



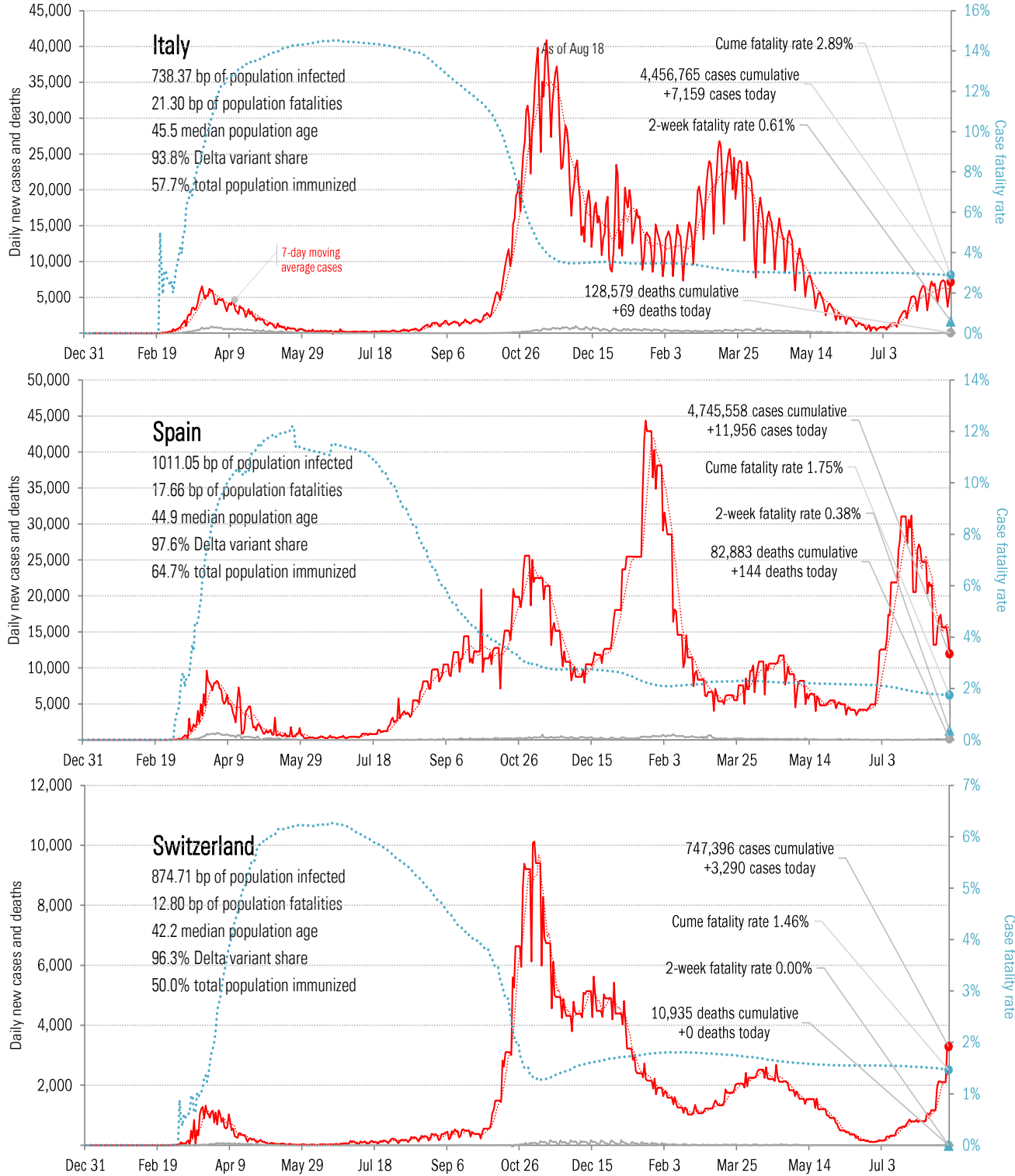
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



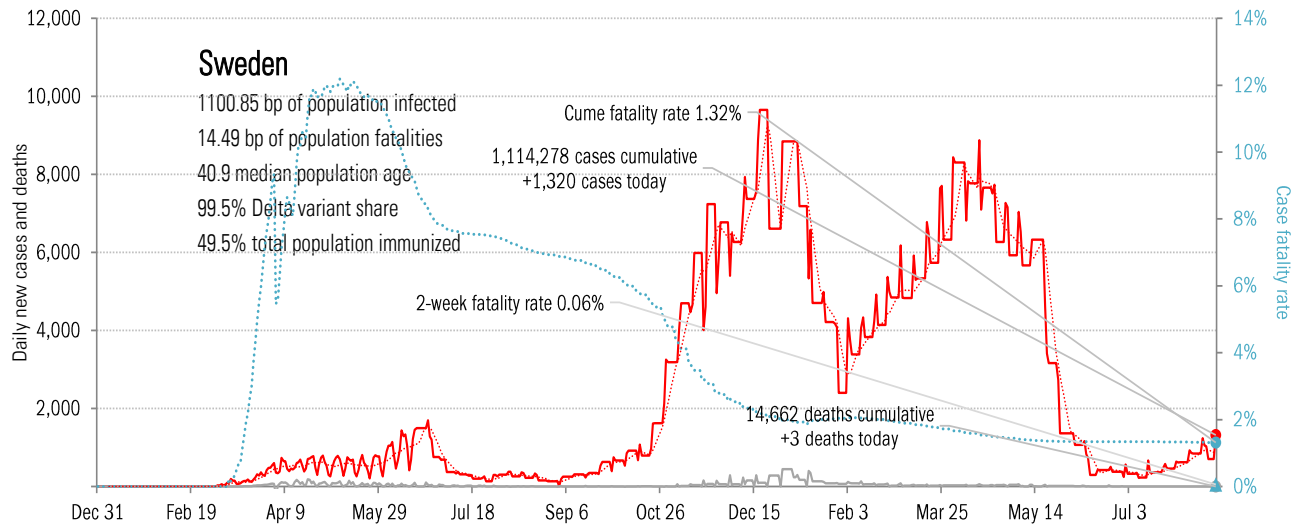
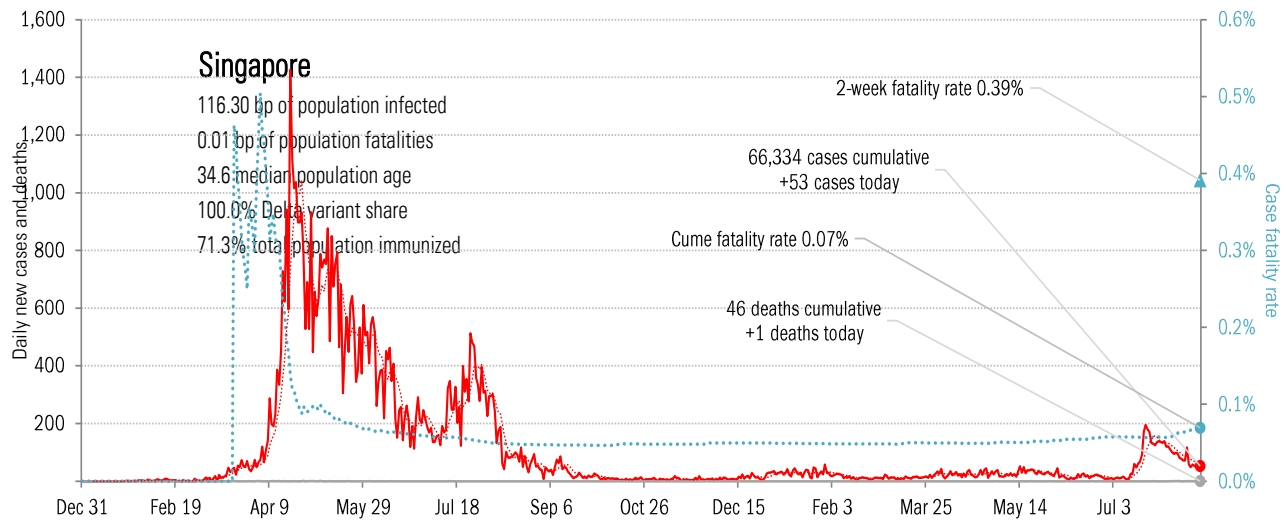
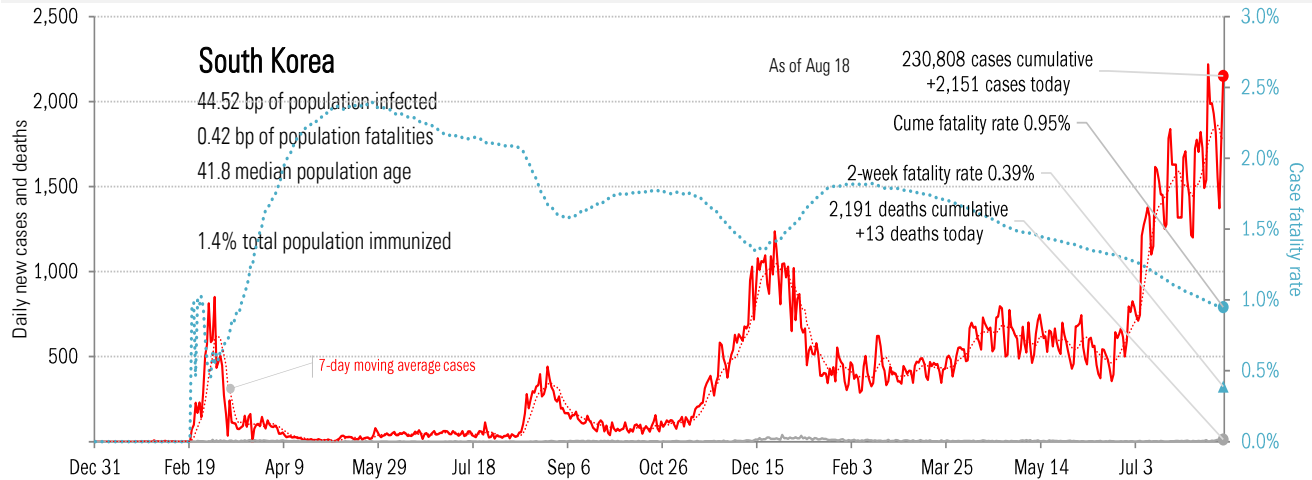
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



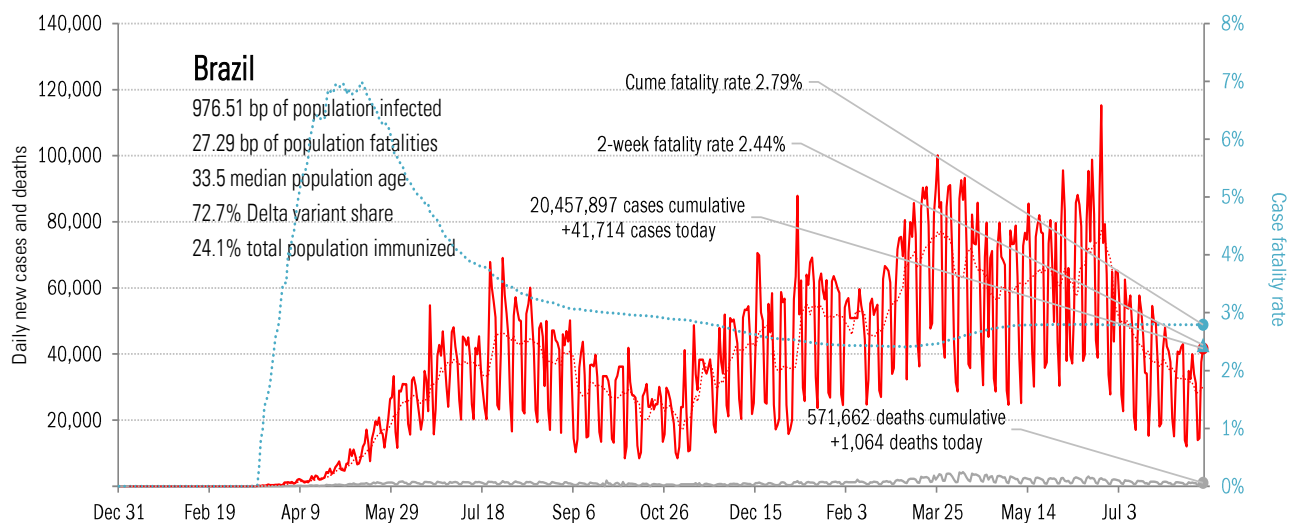
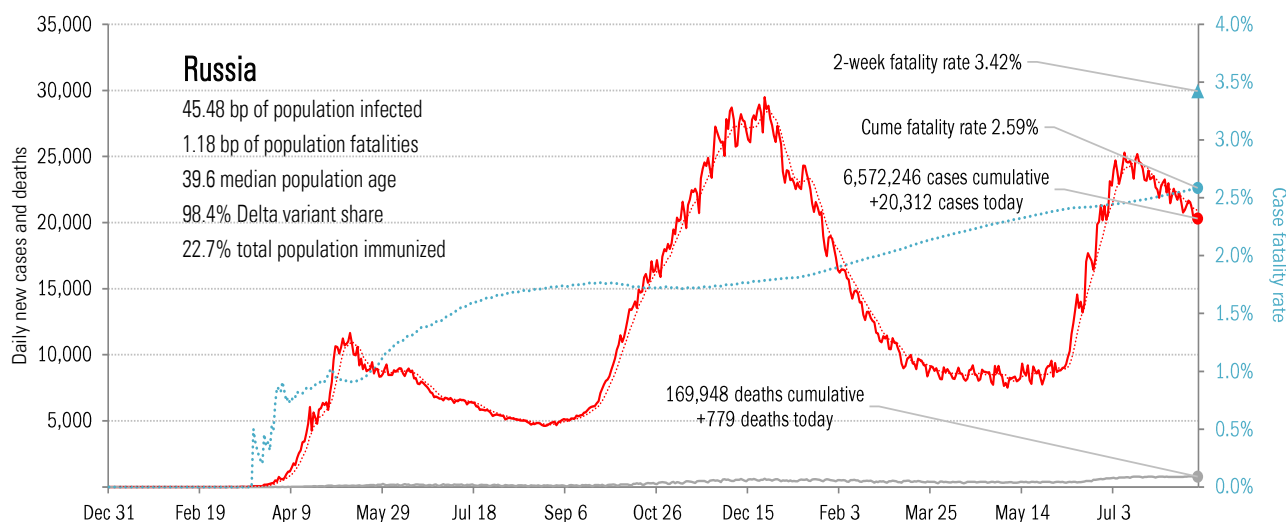
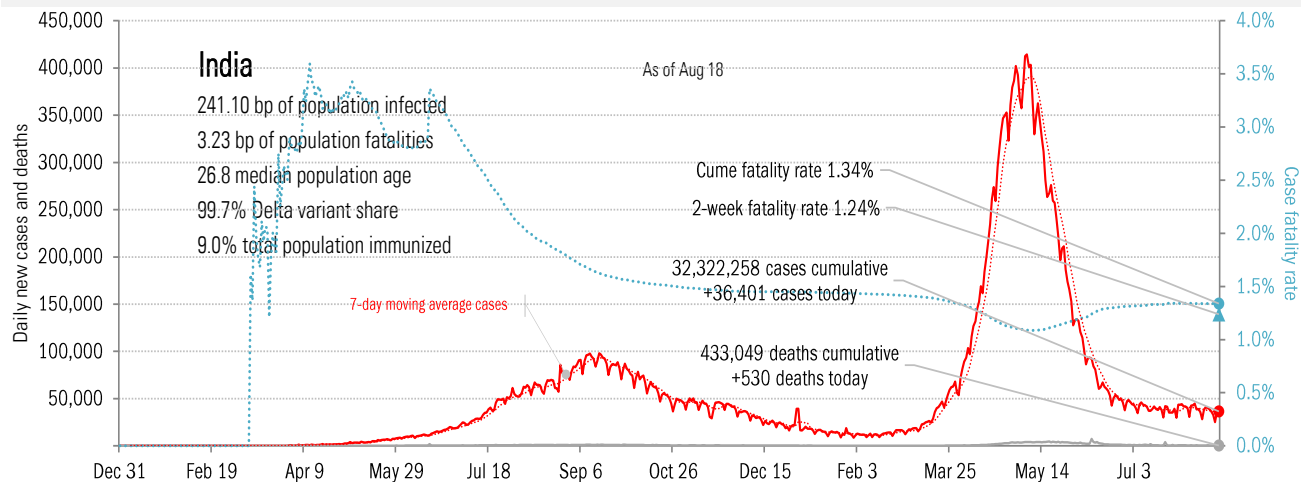
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



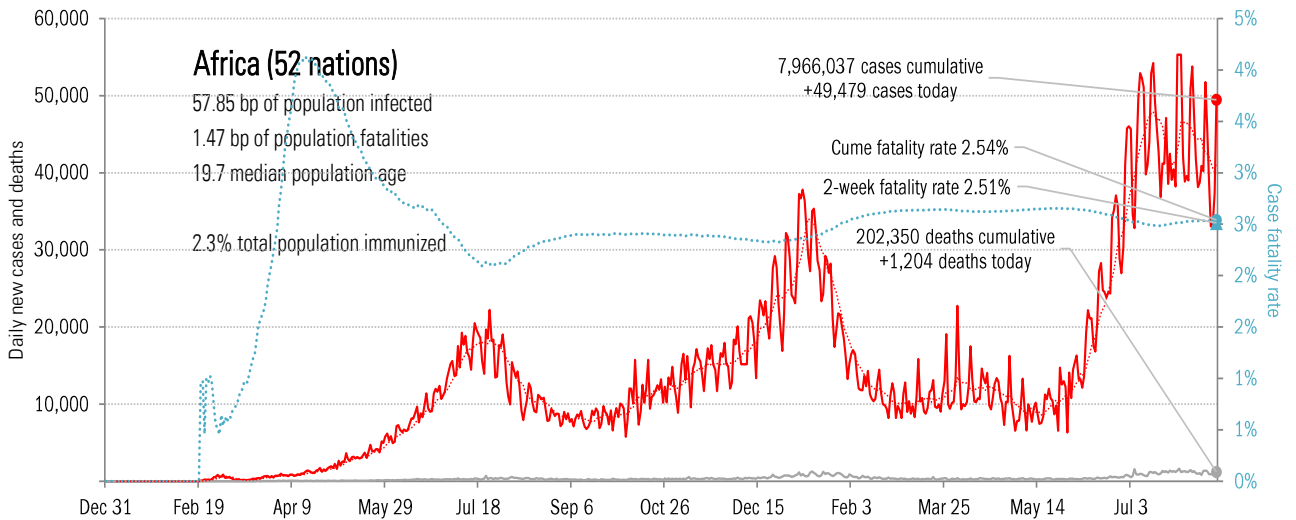
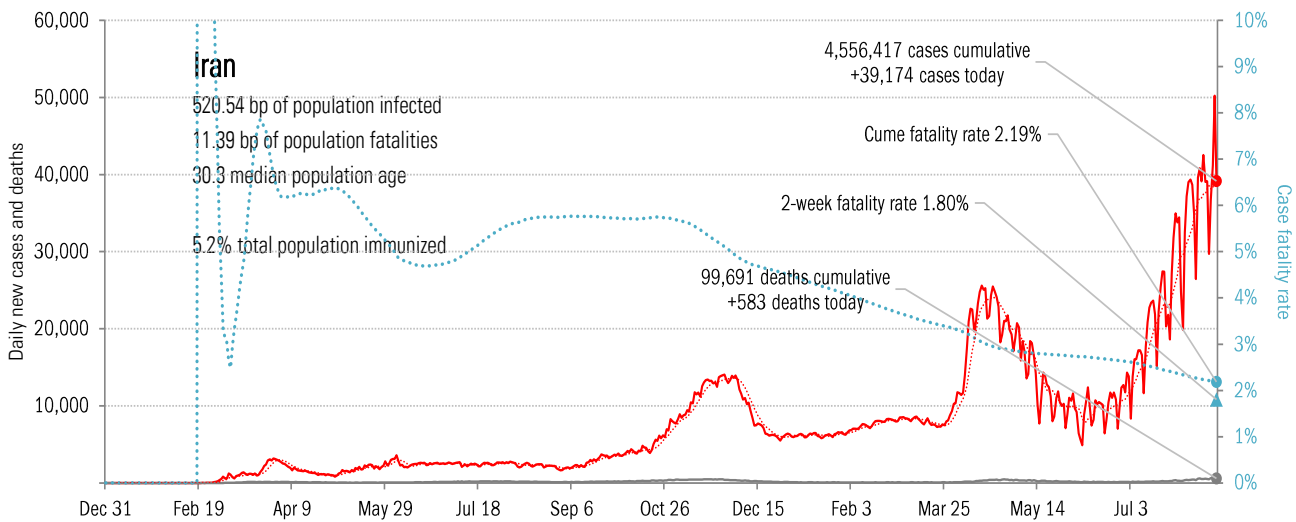
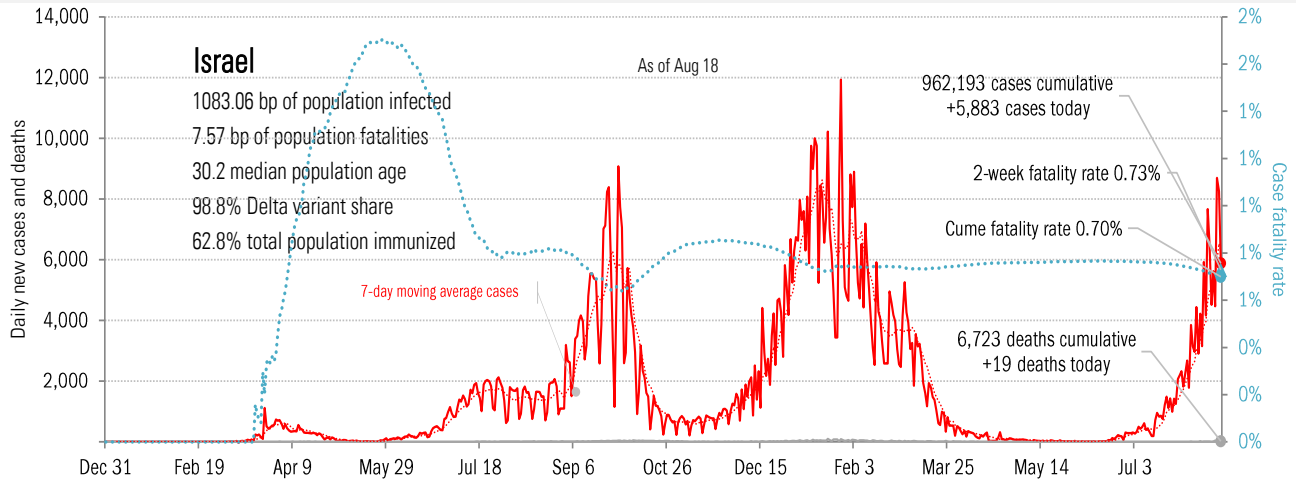
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



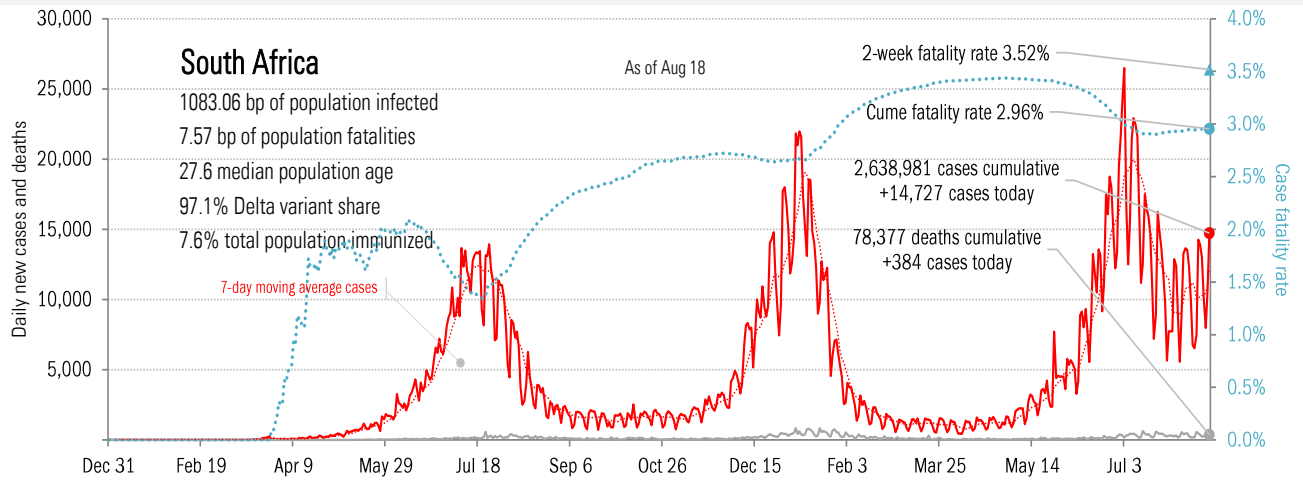
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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