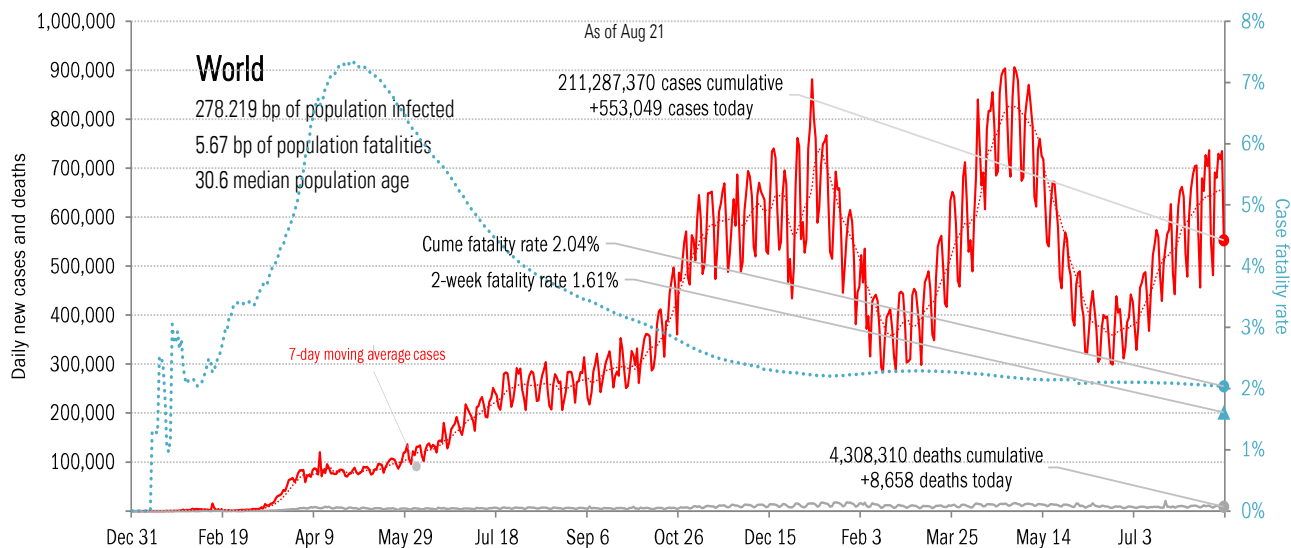
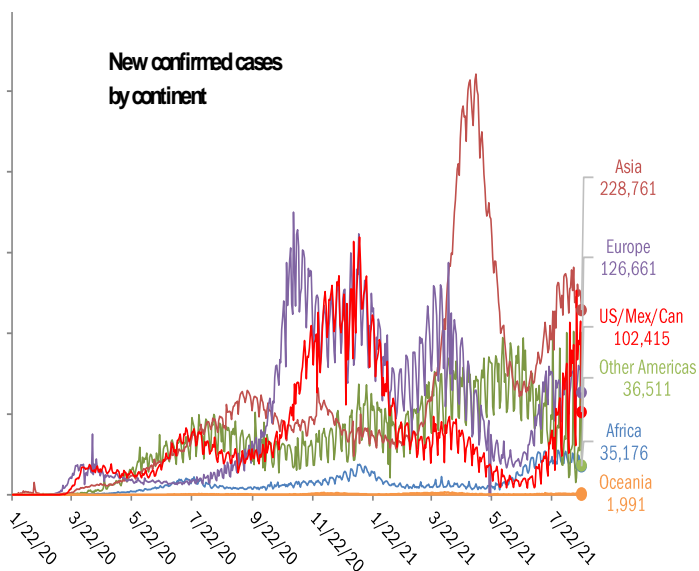


Data Insights: Covid-2019 Monitor

Sunday, August 22, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+81,055	Indonesia	+1,361
United Kingdom	+31,886	Mexico	+847
India	+30,948	Russia	+777
Brazil	+28,388	Brazil	+698
Japan	+25,380	Iran	+544
Iran	+24,179	United States	+460
France	+22,637	India	+403
Malaysia	+22,262	Philippines	+398
Thailand	+20,571	South Africa	+268
Russia	+20,414	Thailand	+261
+307,720		+6,017	
World	+553,049	World	+8,658
Top ten	56%	Top ten	69%



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

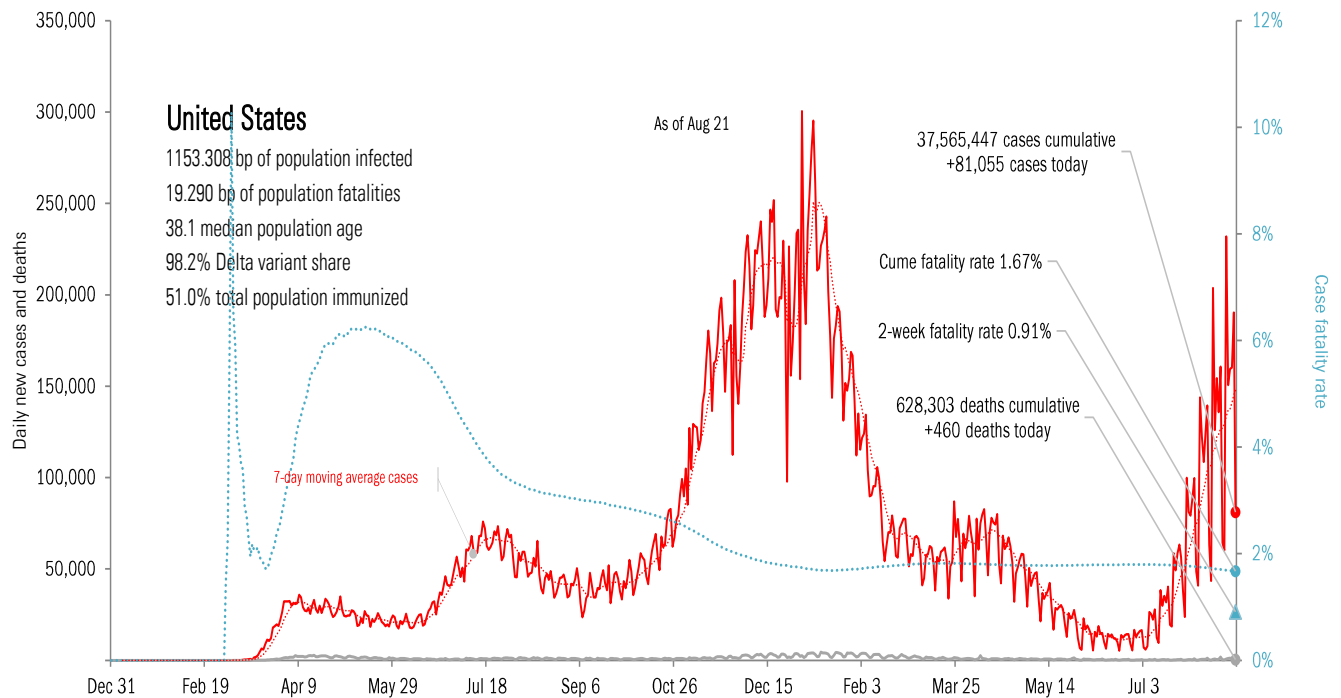
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+21,534		FL	+312		GA	+199		CA	4,227,429		CA	65,097		TX	304,081		GA	89%	MS	60%
TX	+17,034		TX	+171		TX	+137		TX	3,459,060		TX	55,226		CA	269,348		RI	87%	FL	55%
CA	+12,881		CA	+76		KY	+122		FL	2,963,818		NY	54,012		FL	258,686		FL	86%	AL	54%
AL	+6,210		AL	+58		IN	+81		NY	2,233,083		FL	41,333		NY	143,955		MA	85%	GA	52%
NY	+5,943		NY	+38		NC	+56		IL	1,482,369		PA	28,074		GA	128,111		MD	84%	AR	52%
CH	+3,452		AR	+31		AL	+49		GA	1,307,084		NJ	26,750		PA	96,028		MO	84%	TX	48%
AR	+2,520		MO	+23		SC	+48		PA	1,269,919		IL	26,150		CH	94,295		NV	83%	LA	48%
MO	+2,482		MD	+16		MA	+46		CH	1,178,792		GA	22,199		IL	89,858		PA	82%	OK	45%
PA	+2,307		PA	+15		MI	+46		NC	1,144,894		MI	21,393		KY	88,737		SC	82%	ID	43%
NJ	+2,158		FR	+13		CH	+44		NJ	1,072,856		CH	20,689		MI	76,514		AL	81%	MO	40%
+76,521			+753			+828			20,339,304			360,923			1,549,613						
All states	+81,055		+772			+1085			All states	37,565,447		628,303			2,743,523			All states	70%	67%	
Top ten	94%		98%			76%			Top ten	54%		58%			56%			Median	75%	23%	

Some states not reporting

Five most improved US states

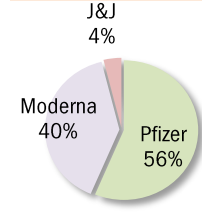
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-13,027	KS	-98	CA	-174	KY	+30 bp
GA	-9,581	LA	-67	IL	-115	MP	+30 bp
TN	-7,232	MS	-54	NY	-85	AL	+20 bp
NC	-6,631	NC	-54	MS	-82	FL	+20 bp
LA	-5,922	AZ	-53	AZ	-75	GA	+20 bp



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	371,852,753		+1.067 million		US	51.0%	60.1%	
	One dose	% Pop	Immune	% pop	New immune today	UK	61.1%	70.1%
Total population	205,844,230	62%	174,794,541	52%	+0.414 million	France	54.5%	69.6%
Age 12 to 17	11,839,321	50%	8,790,559	37%	+0.074 million	Spain	66.5%	75.8%
Age 18 to 64	141,399,912	69%	119,266,745	59%	+0.292 million	Germany	58.3%	63.5%
Age 65 and over	51,607,337	94%	45,919,357	84%	+0.047 million	Italy	58.2%	68.5%
						Australia	23.8%	42.2%
						Israel	62.9%	68.1%
						Canada	65.5%	73.1%
						Japan	40.0%	51.6%
						Africa	2.4%	4.5%
						India	9.3%	32.5%
						Brazil	25.1%	58.7%
						China	54.0%	43.2%



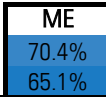
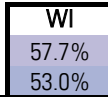
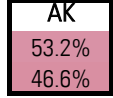
State
At least partial immunity as % population
Full immunity as % population



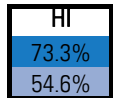
Every American >18 immune in **108 days** by Dec 6, 2021
 64.0% of population >18 immunized
 12.8% previously tested positive
76.8% vs 60% adult herd immunity

As of Aug 21

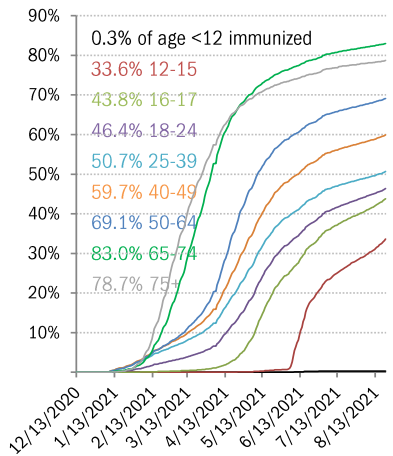
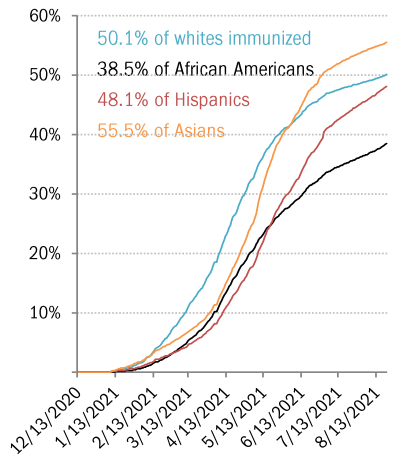
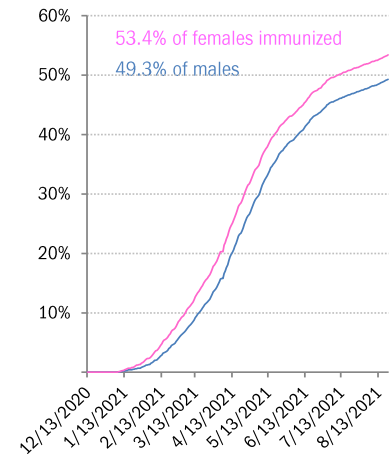
Global data differs from sources, timing



WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
66.5%	43.1%	51.4%	47.3%	61.1%	64.9%	54.6%	66.1%	75.5%	66.4%	
59.3%	38.4%	45.4%	41.1%	55.1%	50.3%	49.9%	59.0%	67.3%	59.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
62.8%	56.7%	44.1%	55.2%	55.5%	49.2%	51.7%	68.2%	68.7%	74.5%	
57.3%	46.5%	37.9%	48.4%	50.9%	45.5%	47.7%	54.2%	60.3%	65.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
67.7%	55.3%	62.5%	56.5%	51.7%	55.6%	46.7%	64.3%	67.1%	72.4%	70.3%
54.8%	46.7%	56.0%	51.0%	43.8%	47.5%	39.4%	56.2%	60.5%	65.0%	63.6%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	55.6%	68.4%	56.2%	51.7%	48.0%	54.2%	50.1%	66.4%	63.1%	
	46.9%	58.8%	47.0%	39.5%	40.7%	45.3%	42.2%	56.6%	54.3%	
			OK	LA	MS	AL	GA			
			51.6%	48.0%	45.1%	47.7%	49.9%			
			42.2%	39.6%	36.8%	36.3%	40.4%			
			TX					FL		PR
			55.6%					62.3%		72.0%
			46.0%					51.2%		61.8%



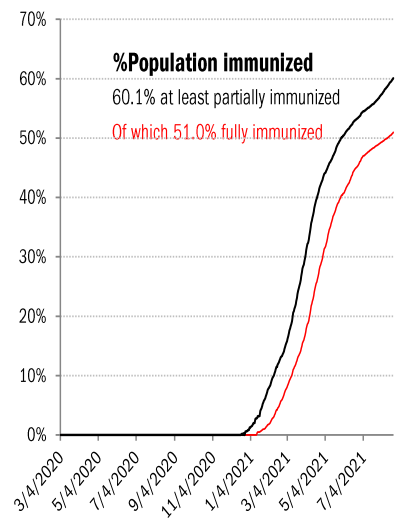
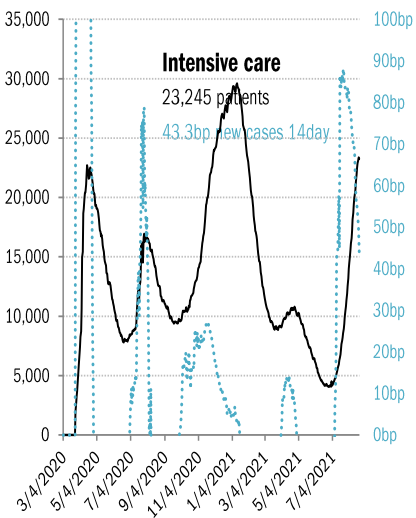
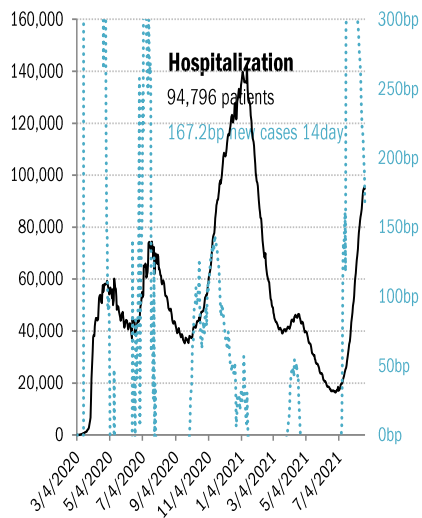
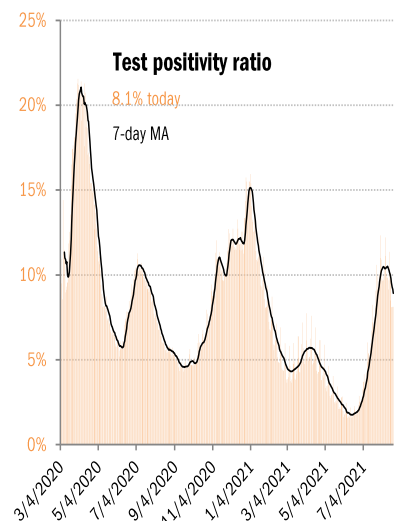
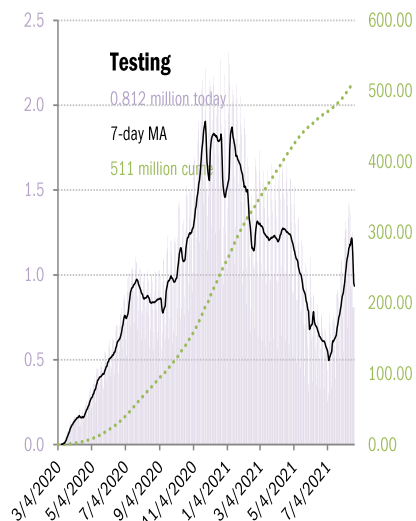
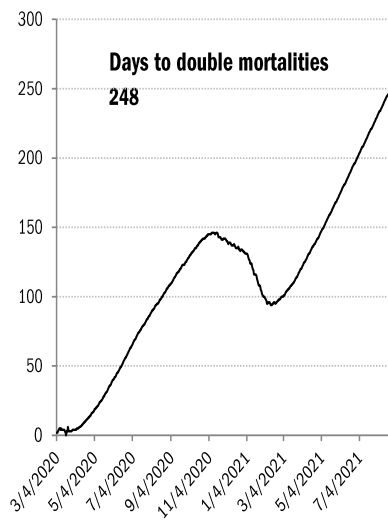
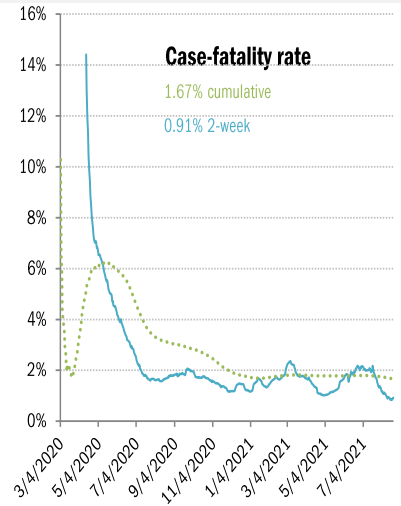
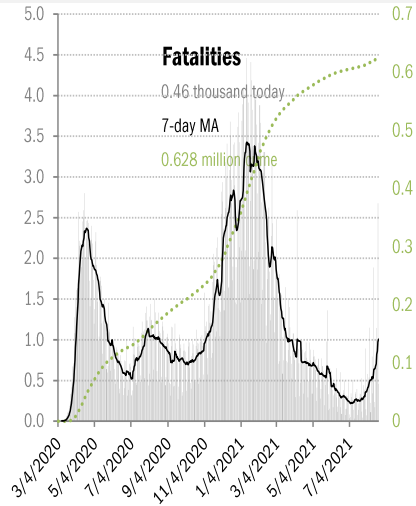
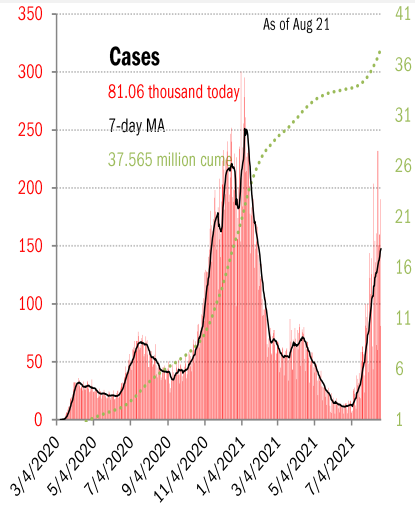
The demographics of US vaccination



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

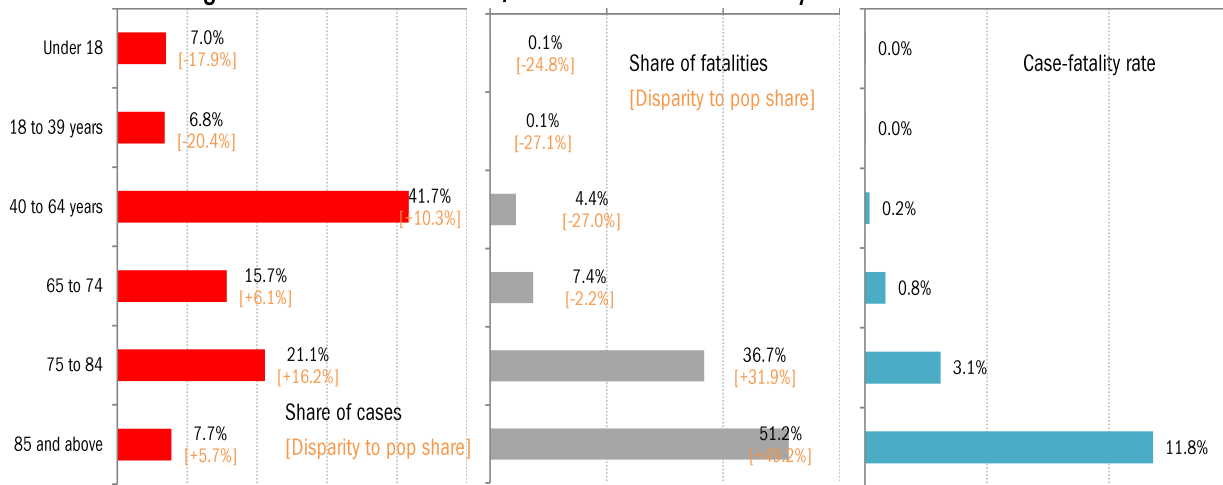
US deep-dive

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

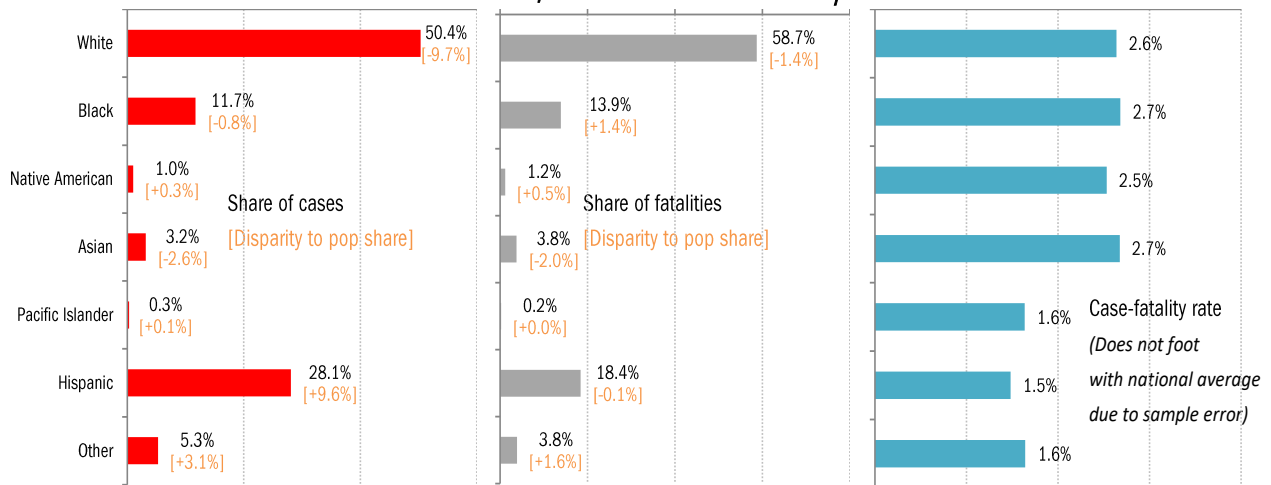


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

Age distribution of US cases, fatalities and case-fatality rates Cumulative

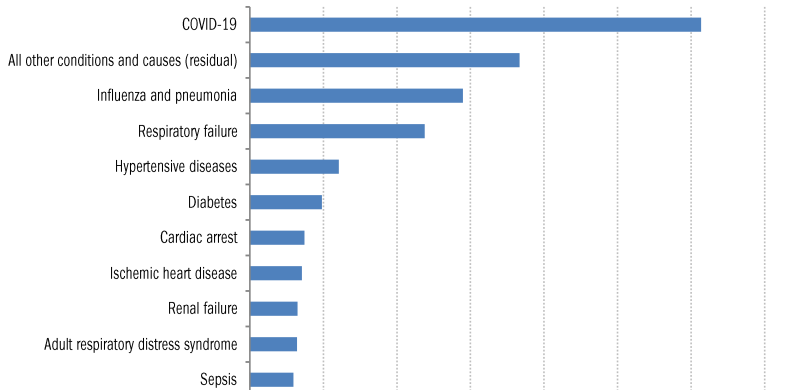


Racial distribution of US cases, fatalities and case-fatality rates Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Aug 15

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

[We Weren't Happy Before the Pandemic, Either](#)

Esau McCaulley
New York Times
August 21, 2021

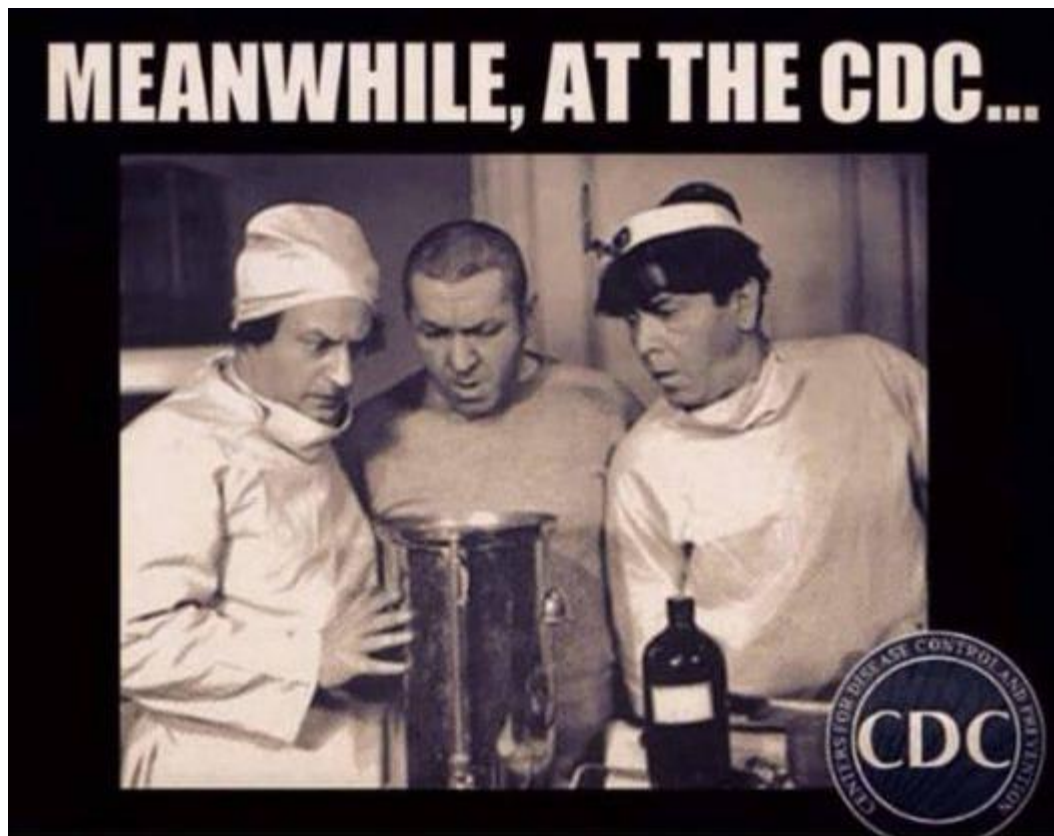
[These People Who Work From Home Have a Secret: They Have Two Jobs](#)

Rachel Feintzeig
Wall Street Journal
August 13, 2021

[A Dollar Per Doughnut Per Day: One Man's Vaccination Quest](#)

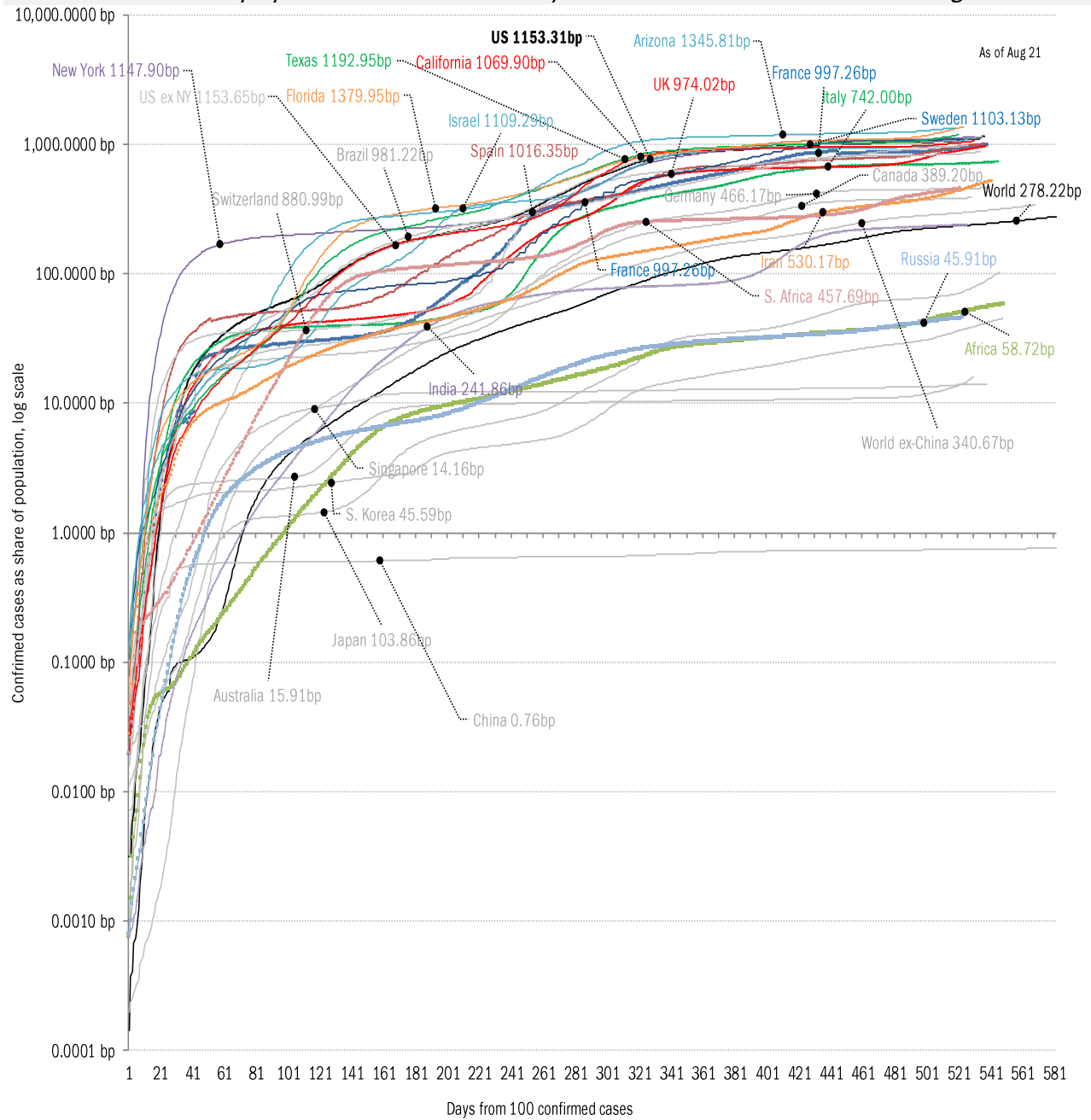
Eduardo Medina
New York Times
August 21, 2021

Meme of the day



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

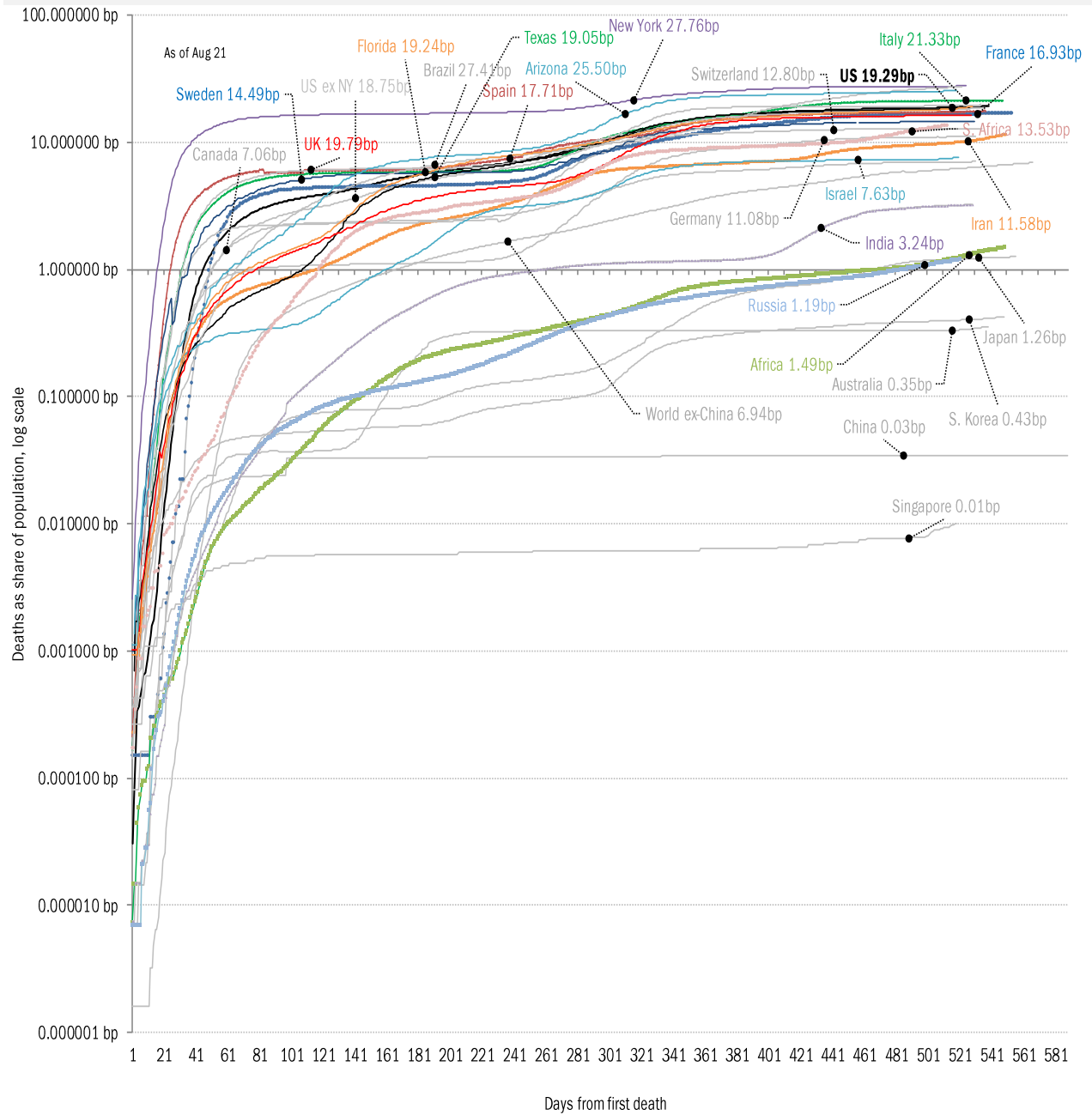
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

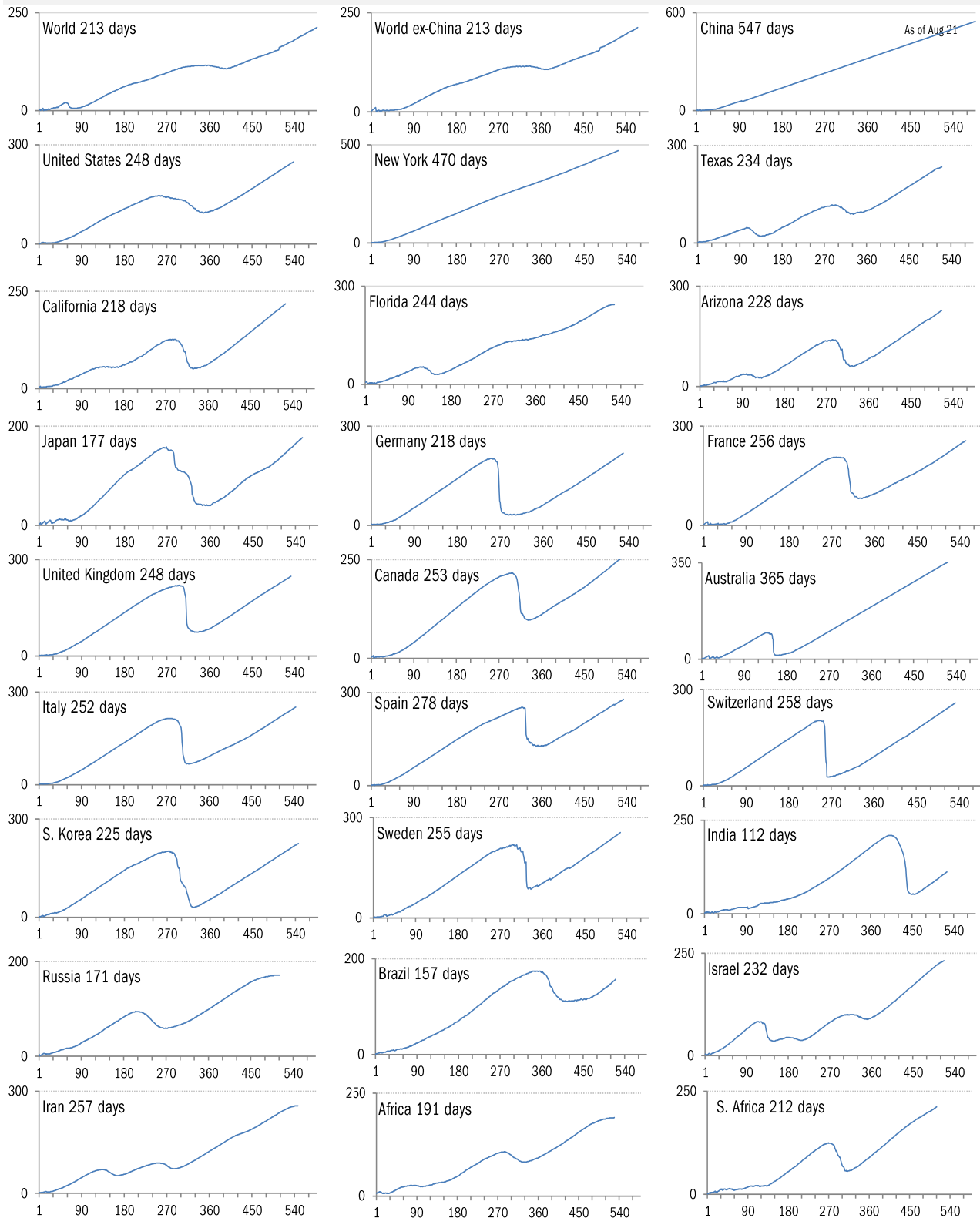


Source: [Johns Hopkins](#), TrendMacro calculations

"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

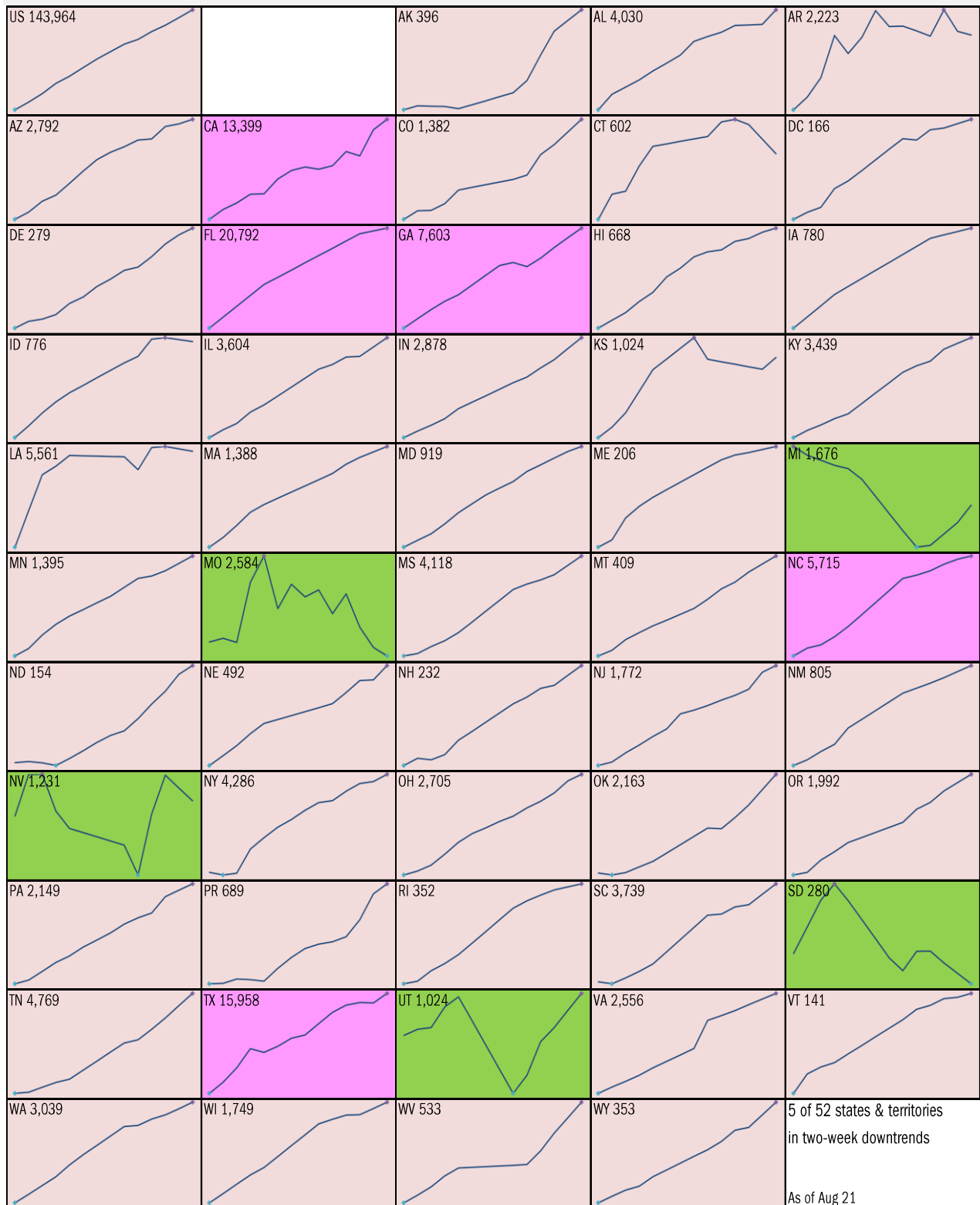


Source: [Johns Hopkins](#), TrendMacro calculations

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

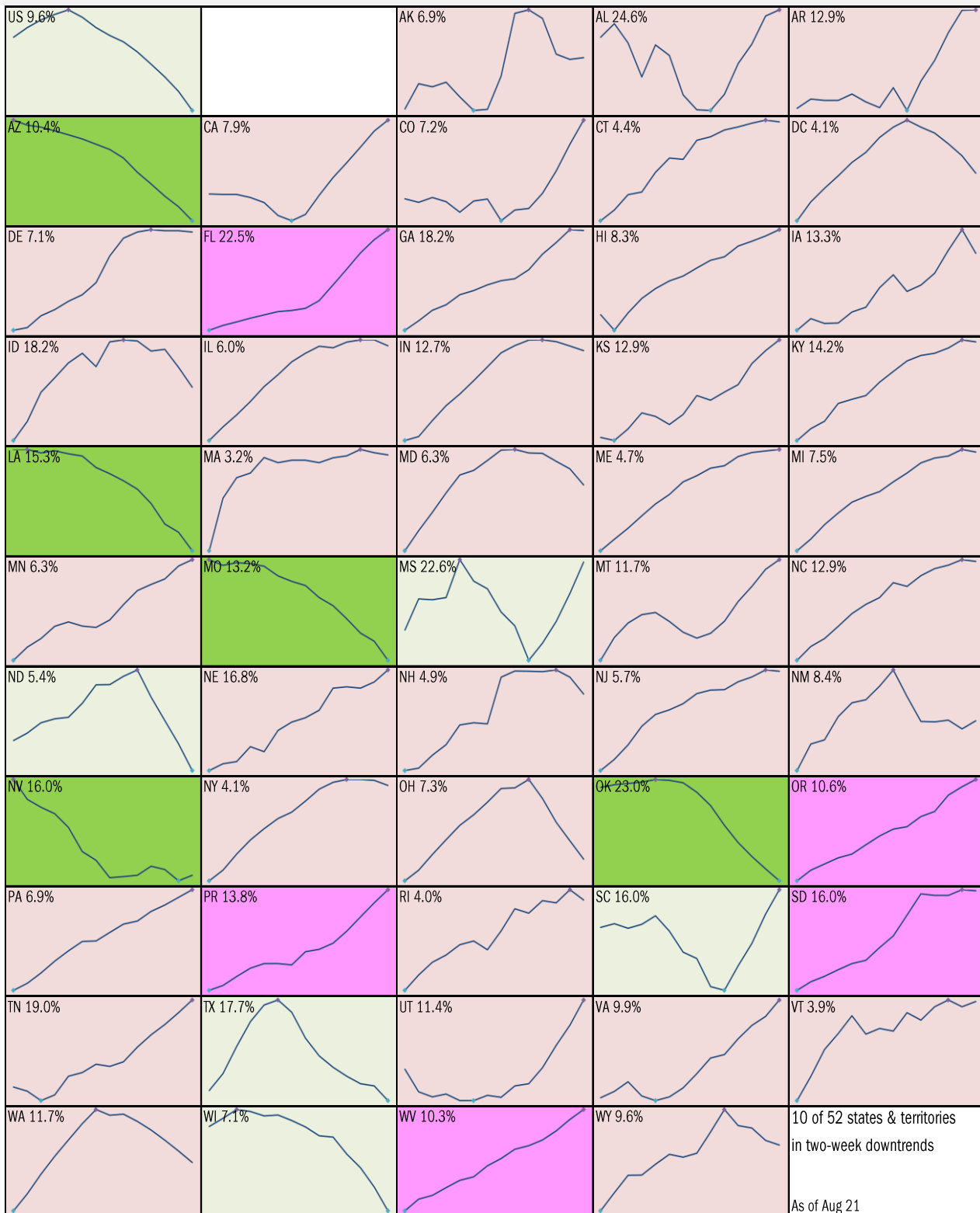


Source: [Johns Hopkins](#), TrendMacro calculations

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

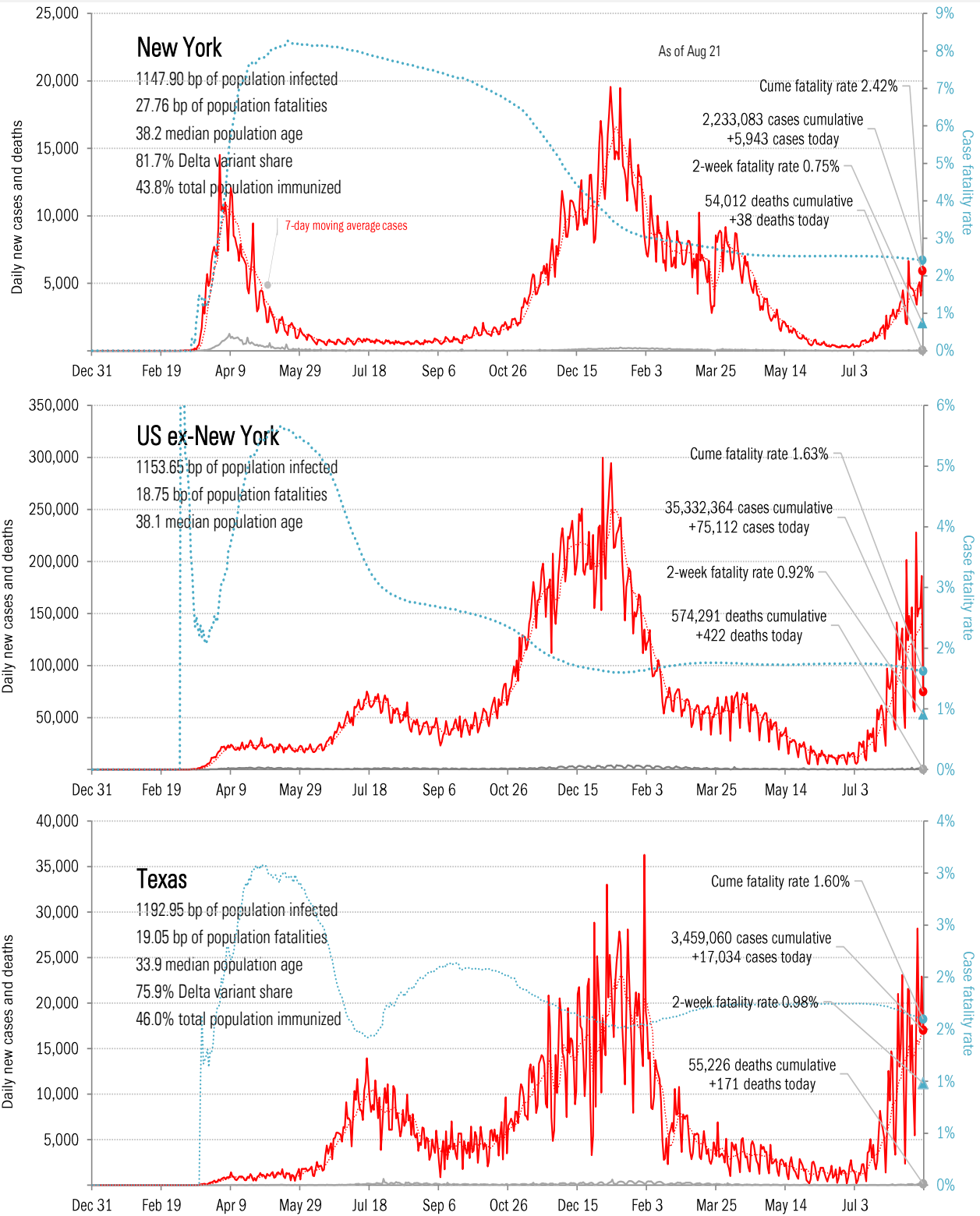
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



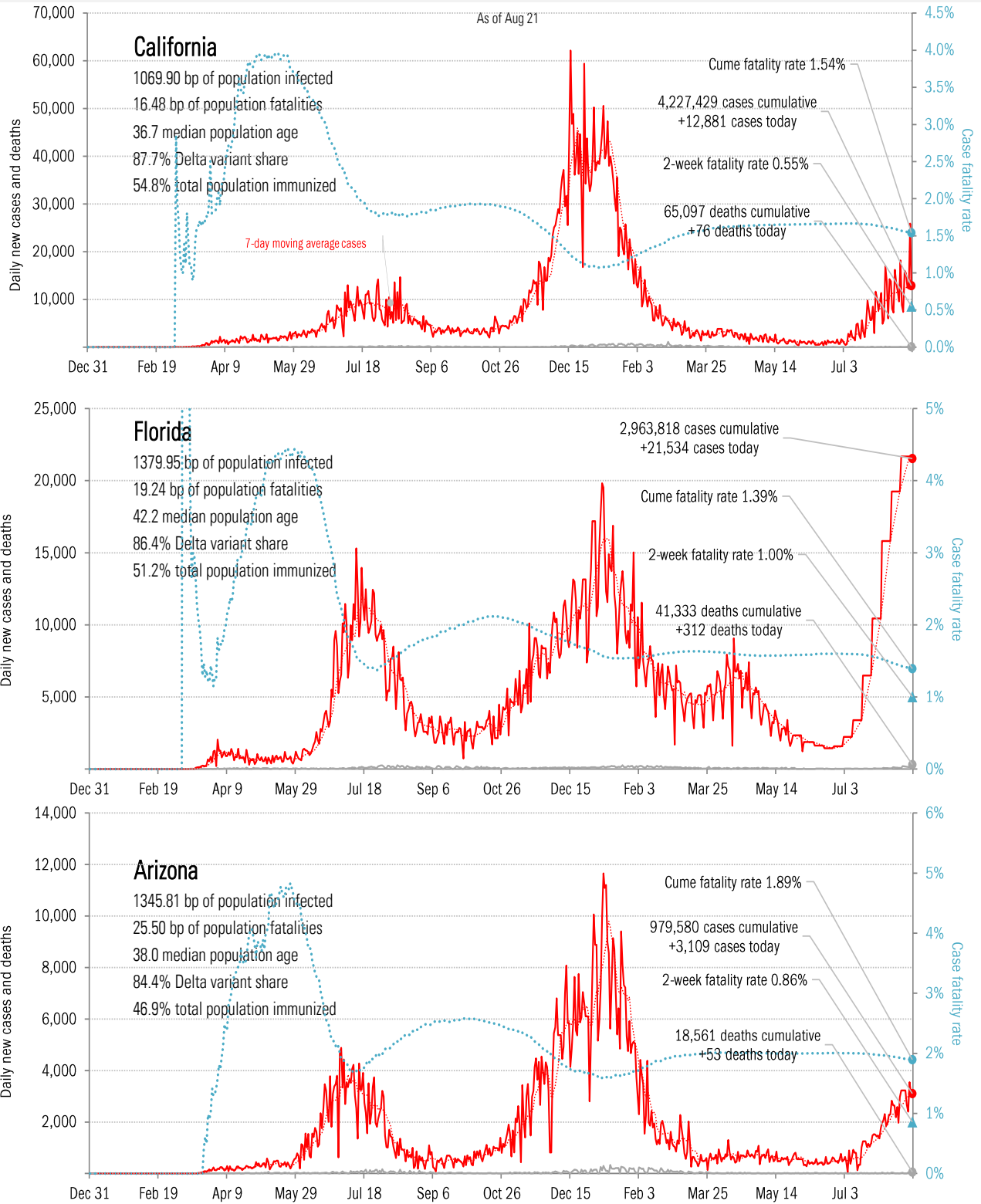
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



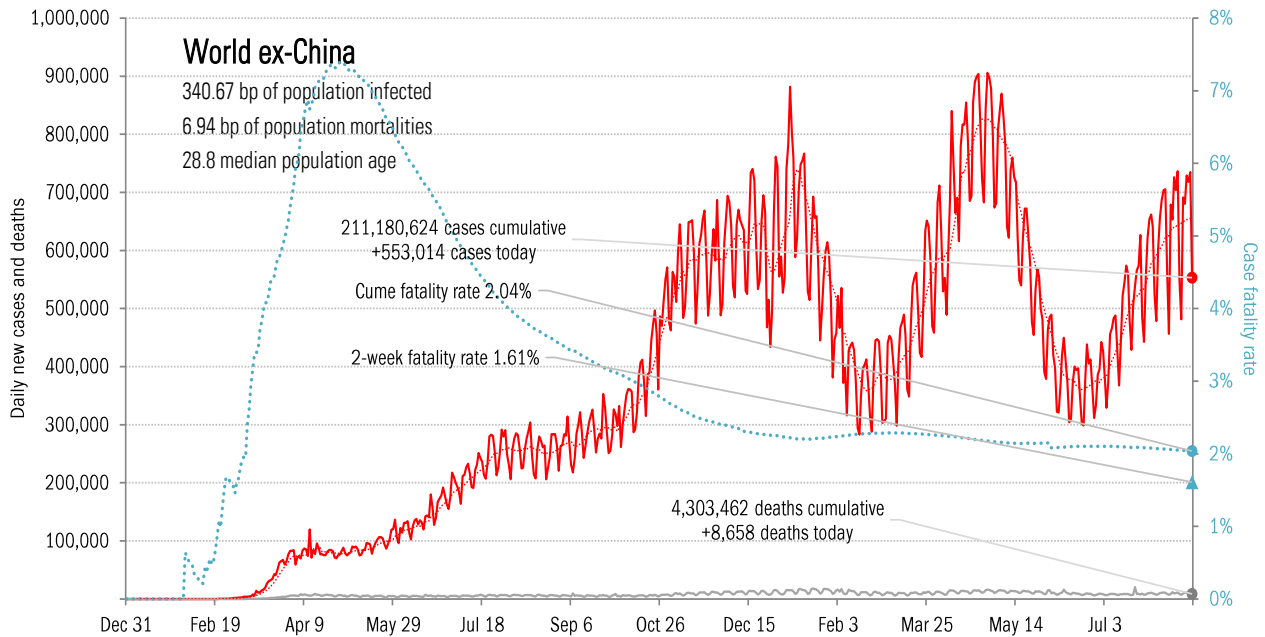
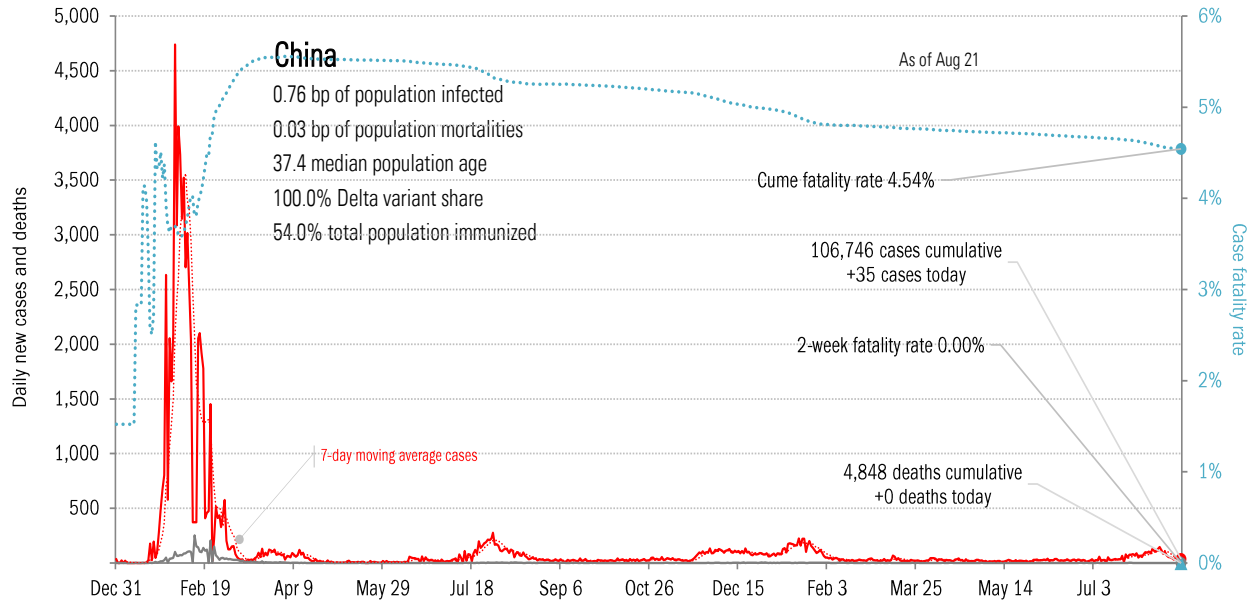
Source: [Johns Hopkins](#), TrendMacro calculations

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



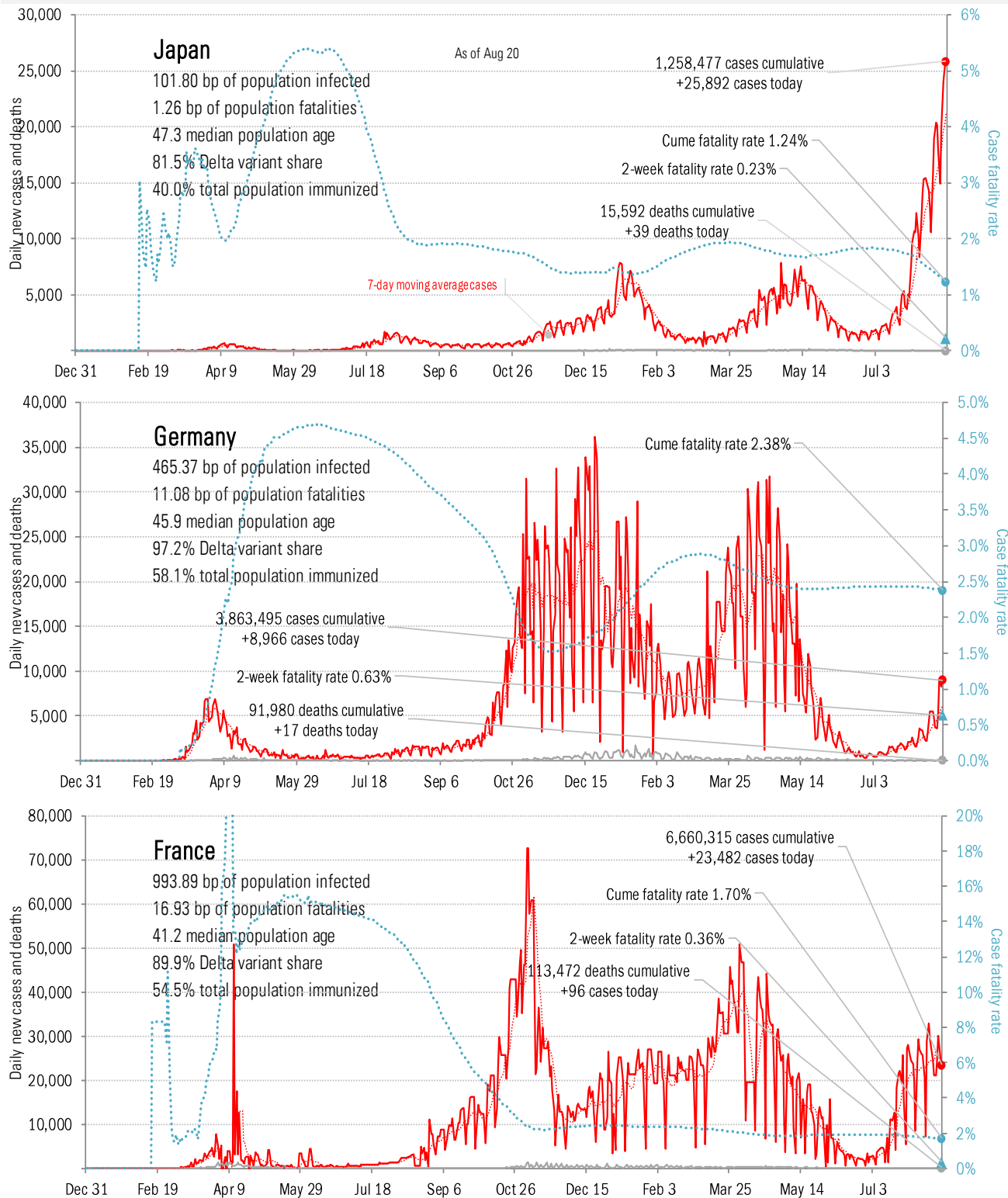
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



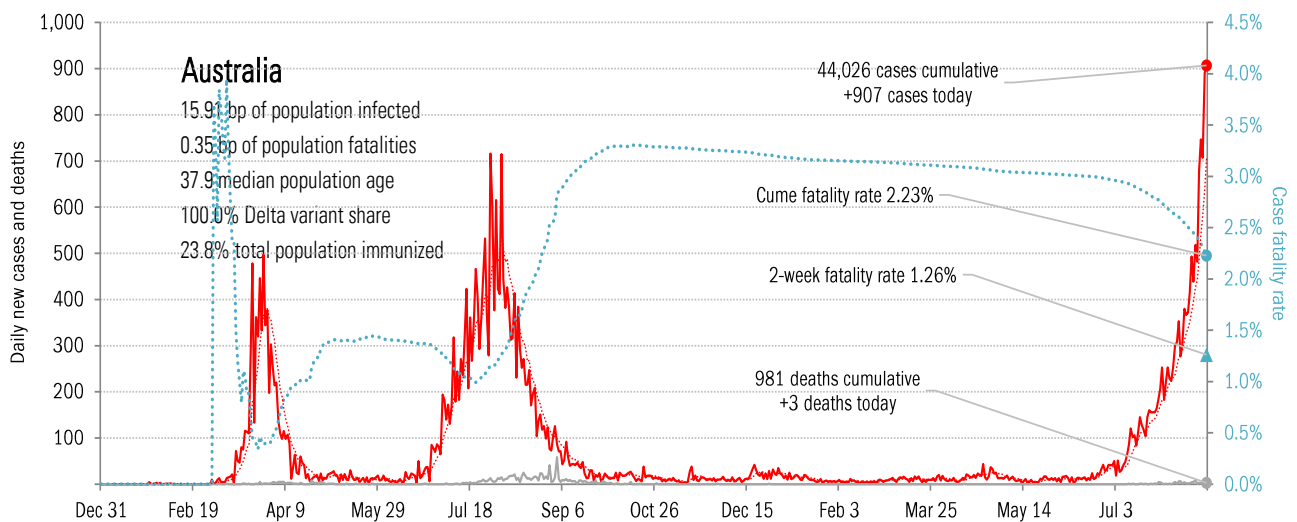
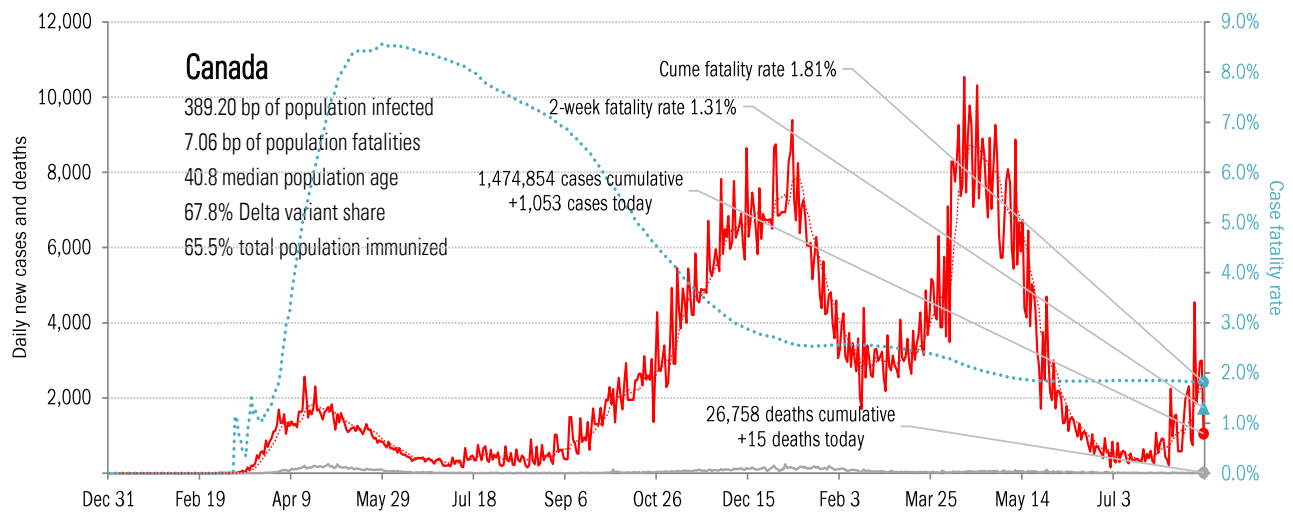
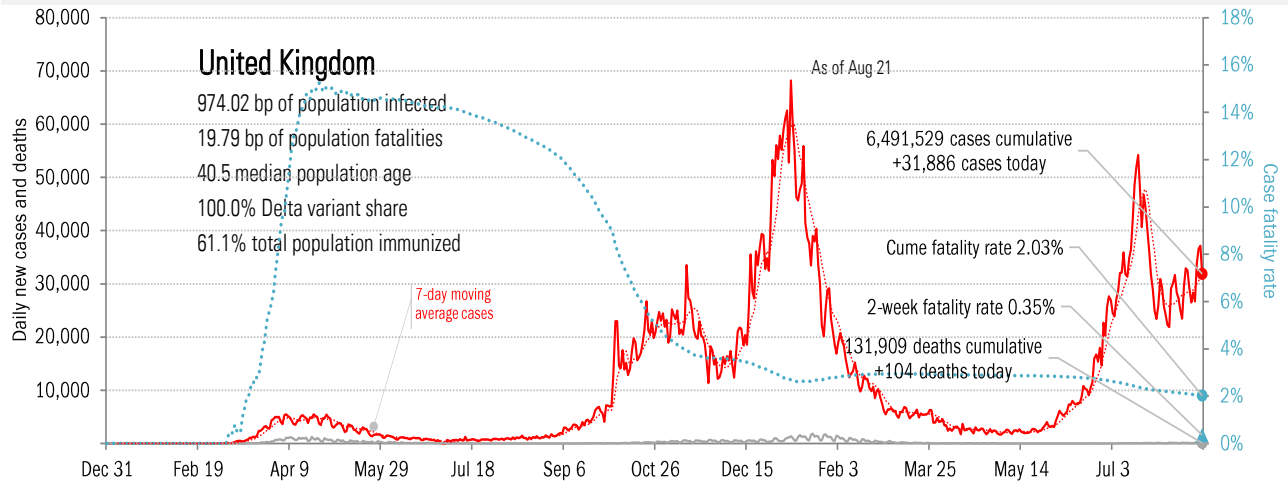
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



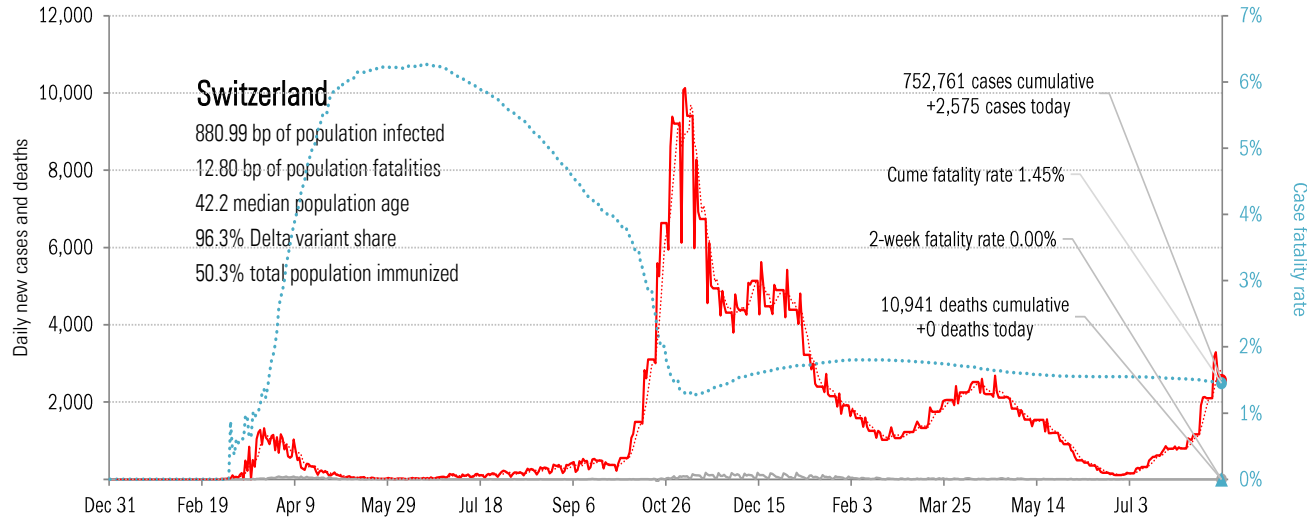
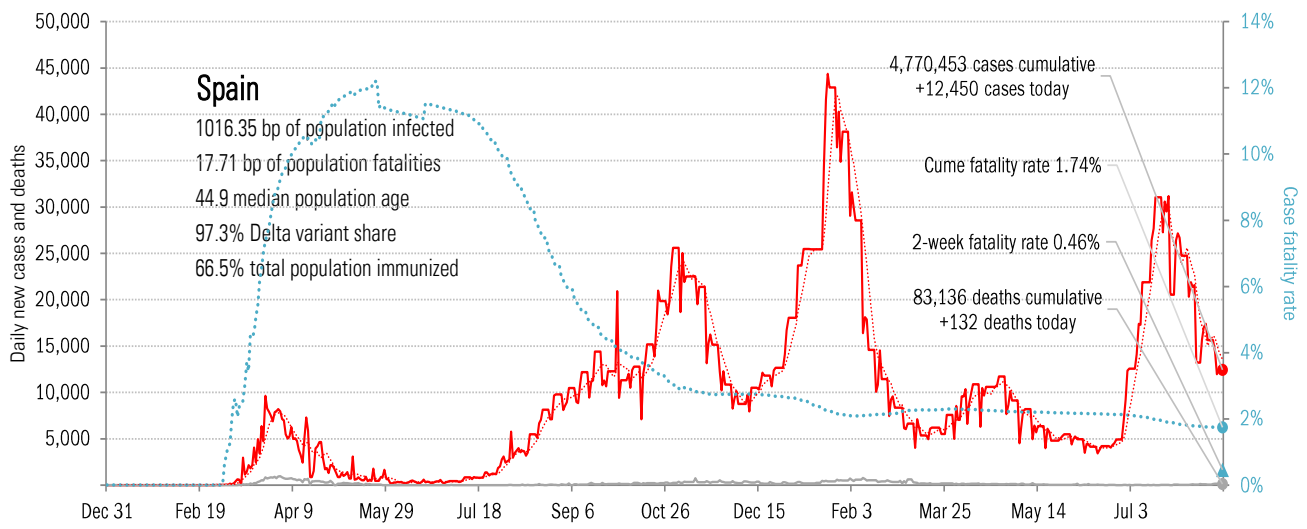
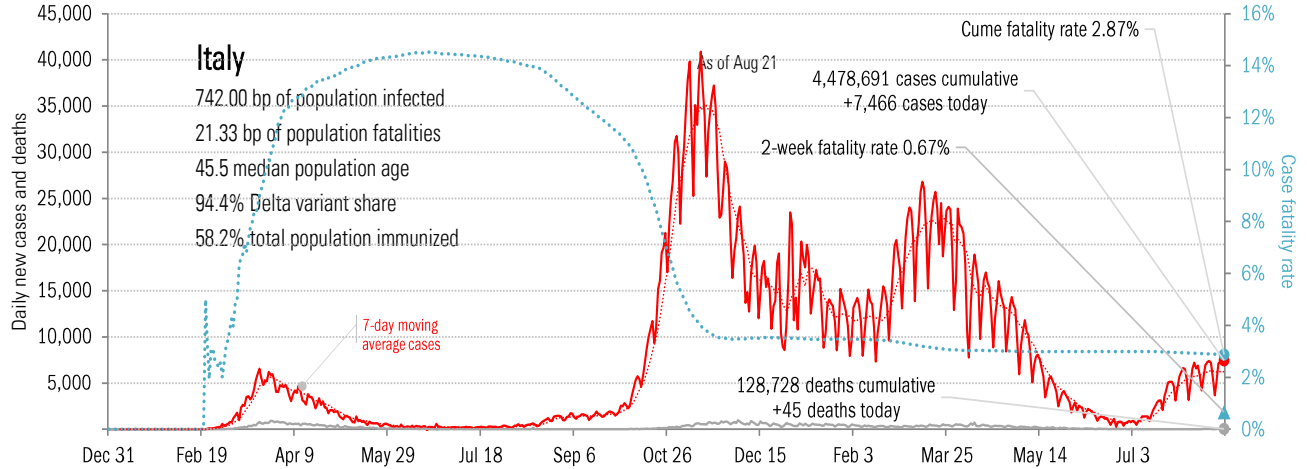
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



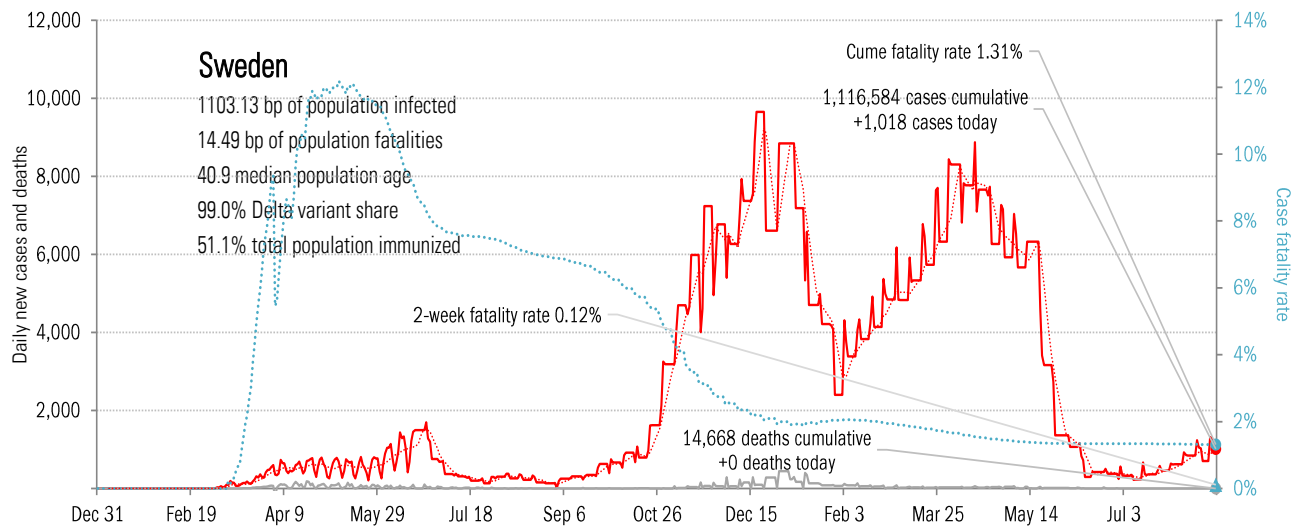
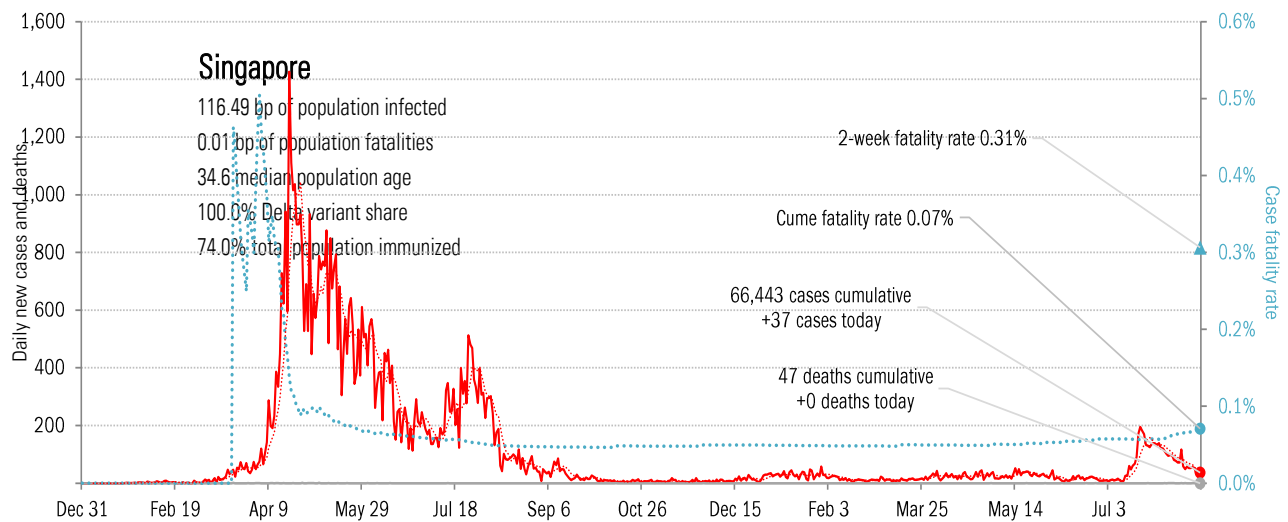
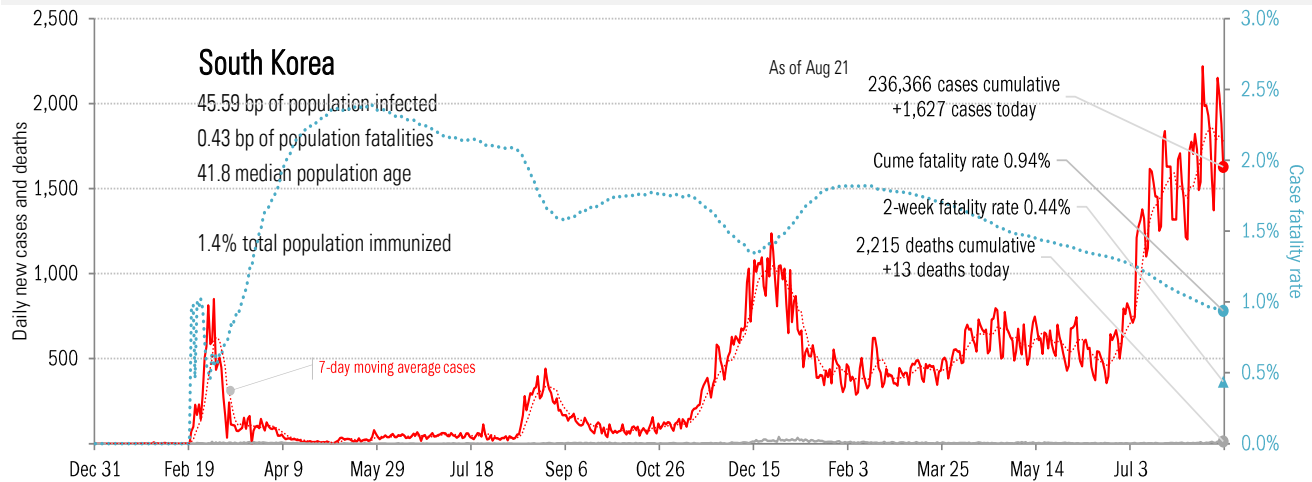
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



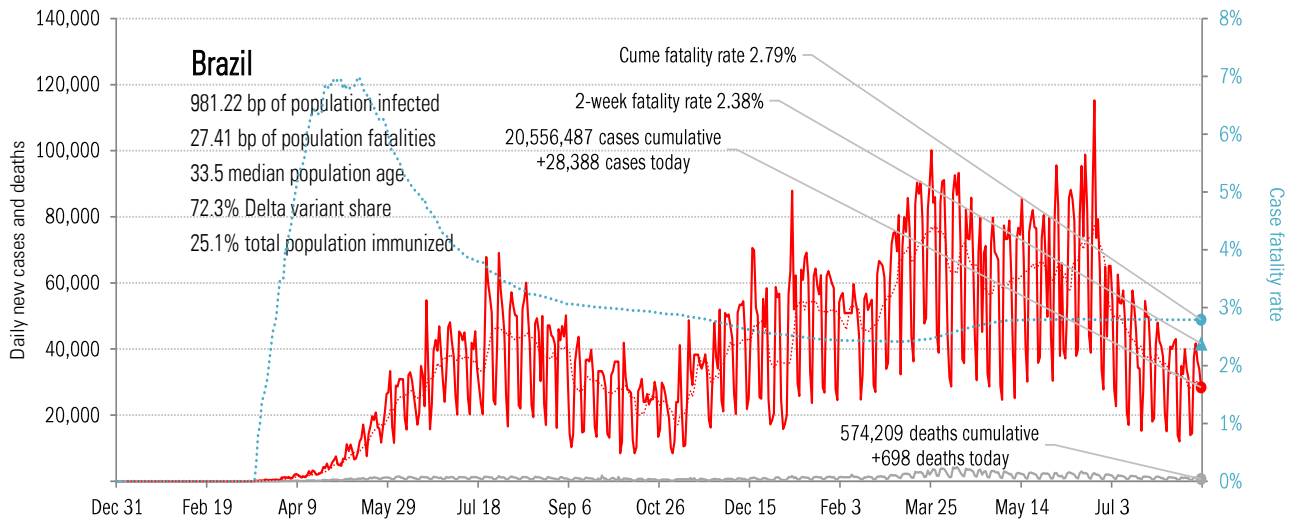
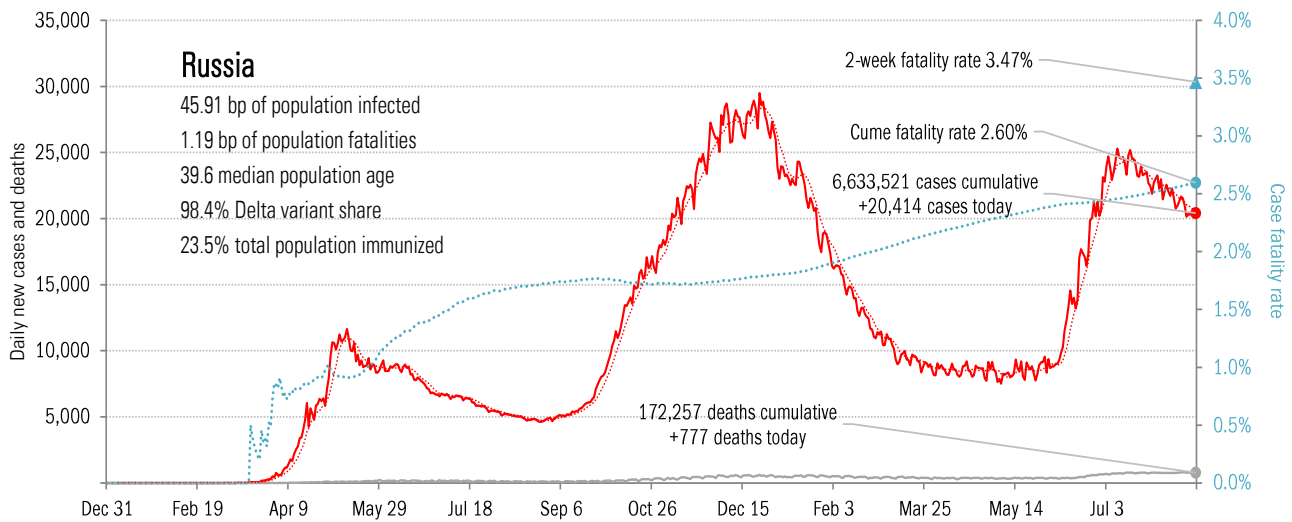
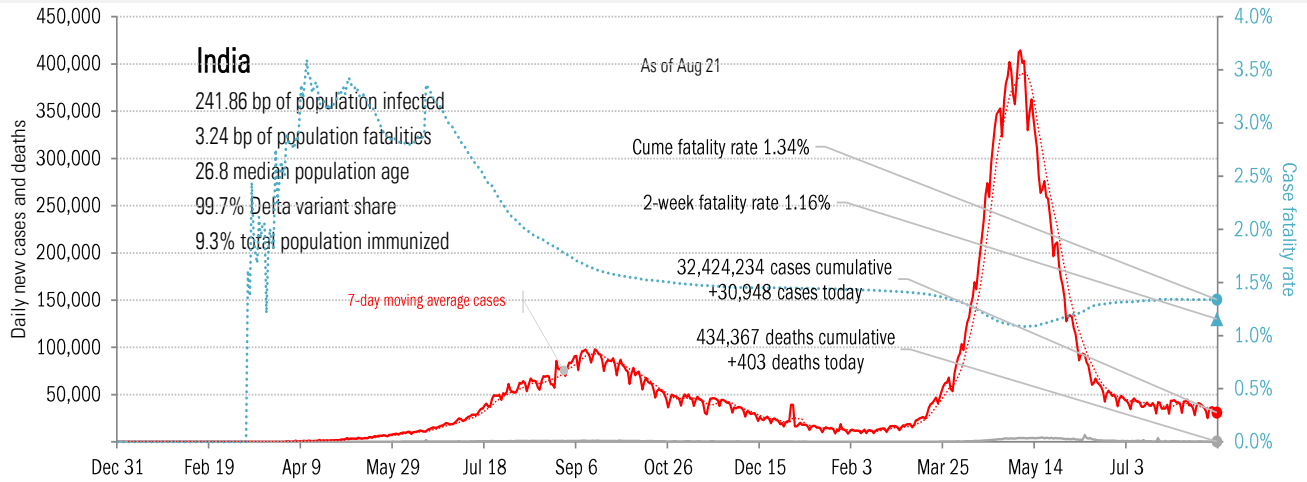
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



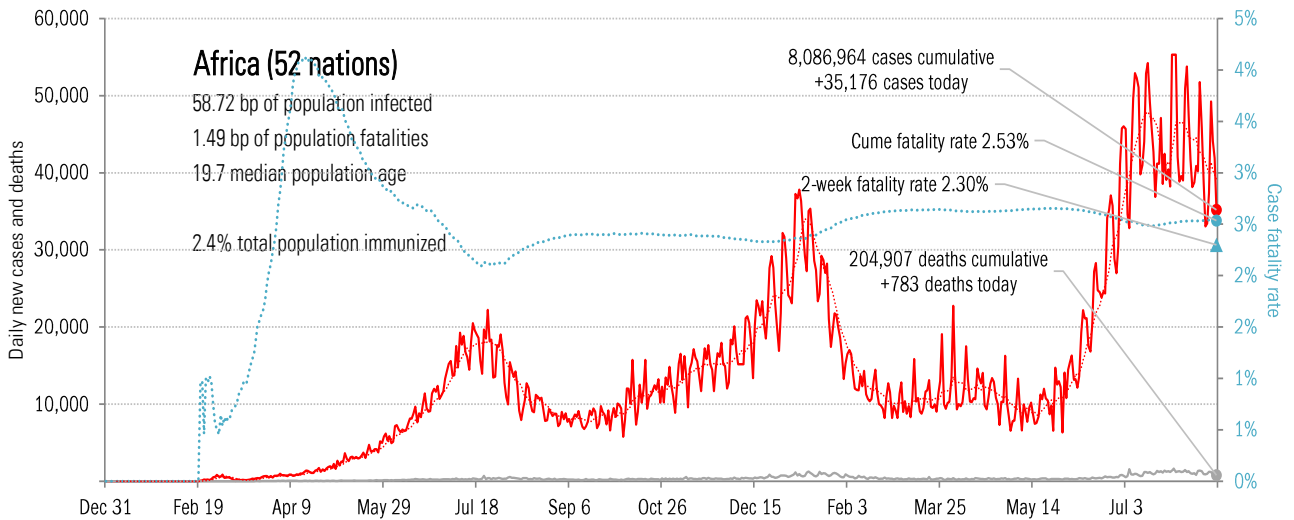
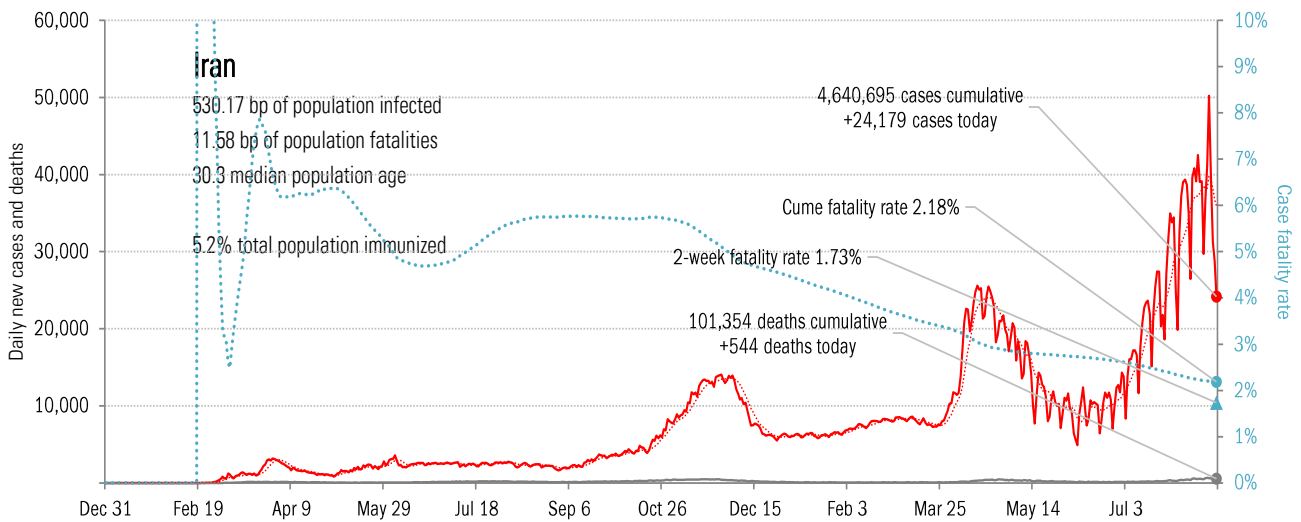
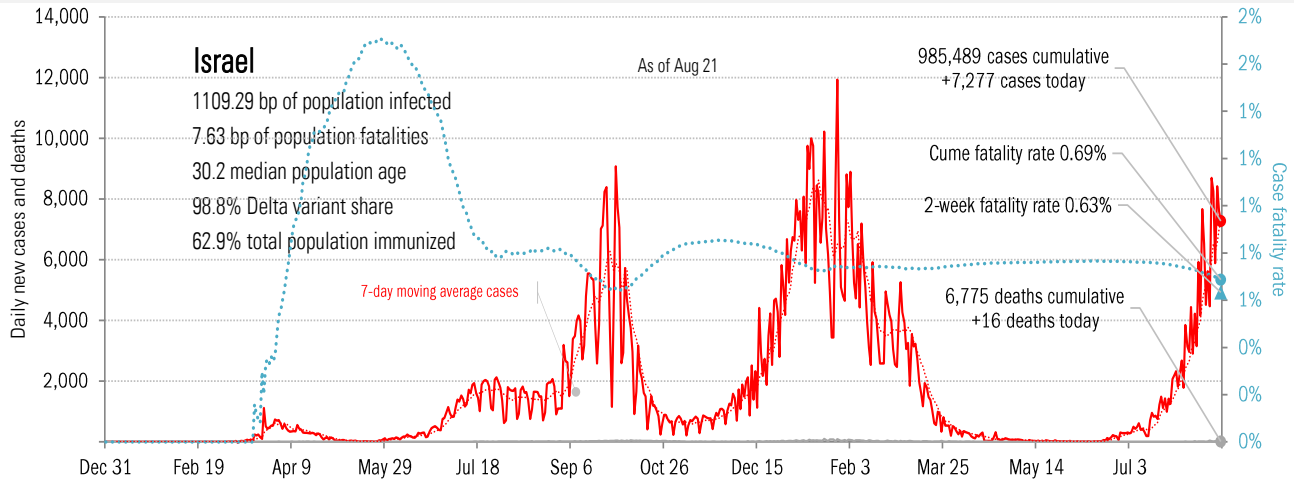
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



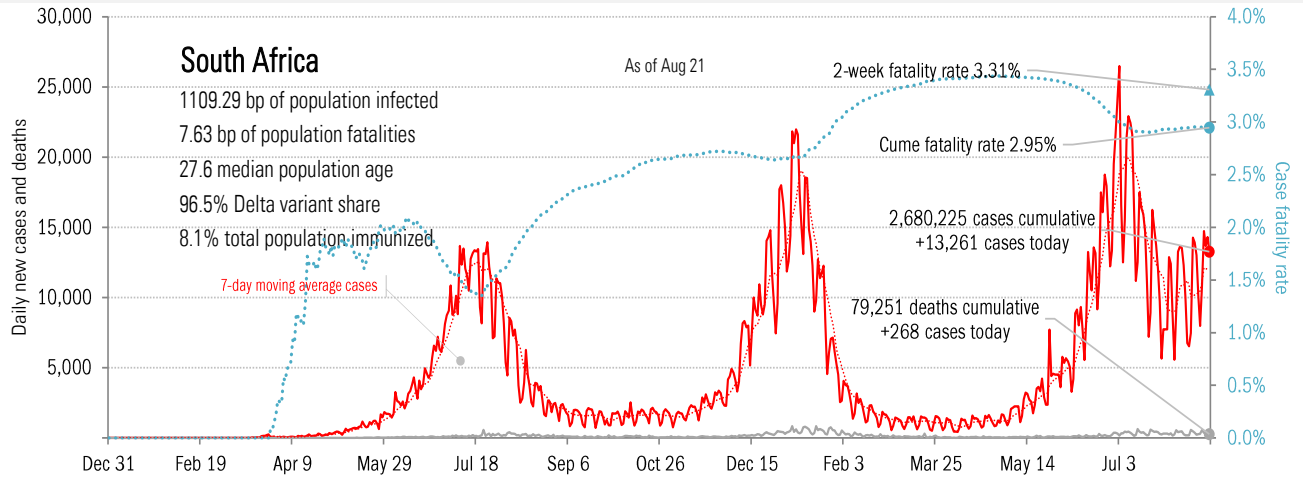
Source: [Johns Hopkins](#), TrendMacro calculations

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