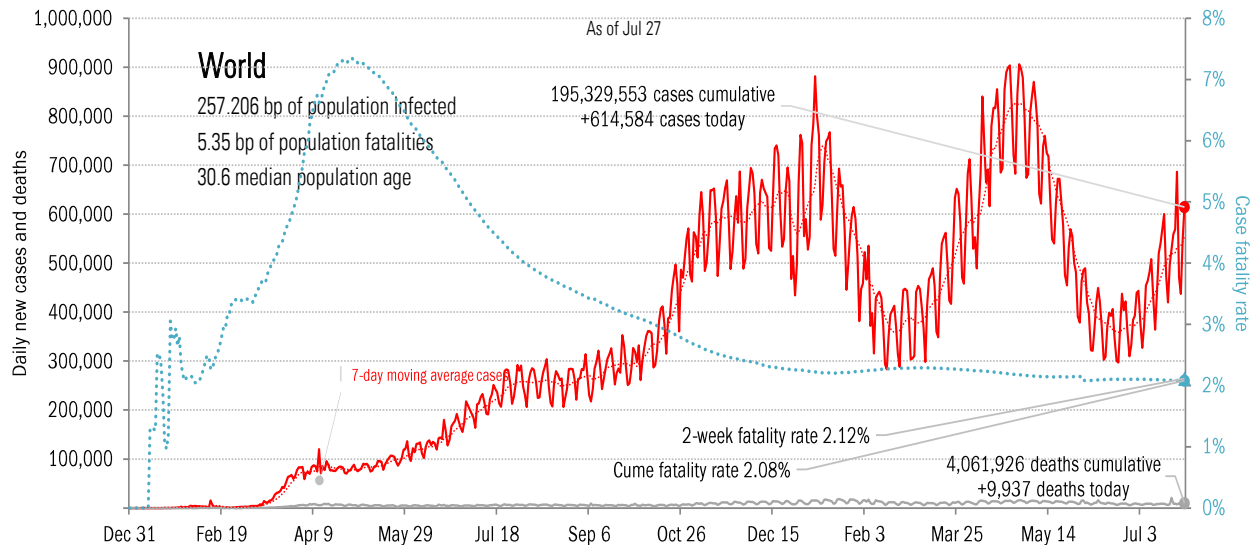
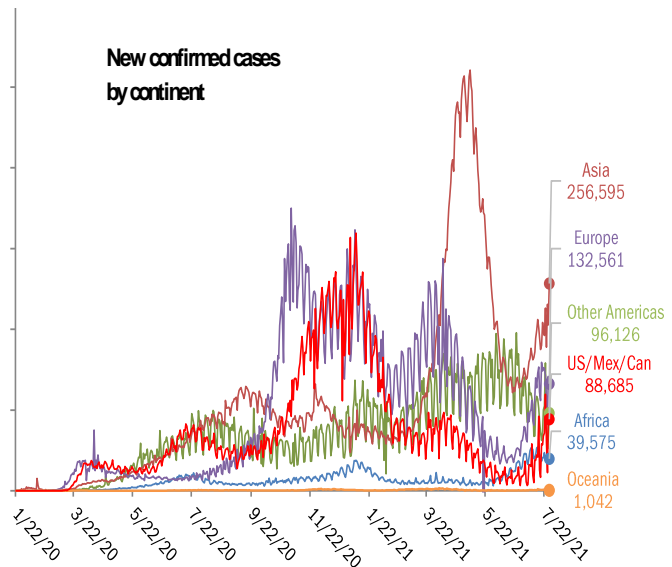


Data Insights: Covid-2019 Monitor

Wednesday, July 28, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+55,131	Indonesia	+2,069
Indonesia	+45,203	Brazil	+1,333
India	+43,654	Russia	+767
Brazil	+41,411	India	+640
Iran	+34,951	Mexico	+484
France	+27,128	United States	+462
Spain	+26,399	Iran	+357
United Kingdom	+23,401	Burma	+338
Russia	+22,486	South Africa	+320
Turkey	+19,761	Colombia	+300
+339,525		+7,070	
World	+614,584	World	+9,937
Top ten	55%	Top ten	71%



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

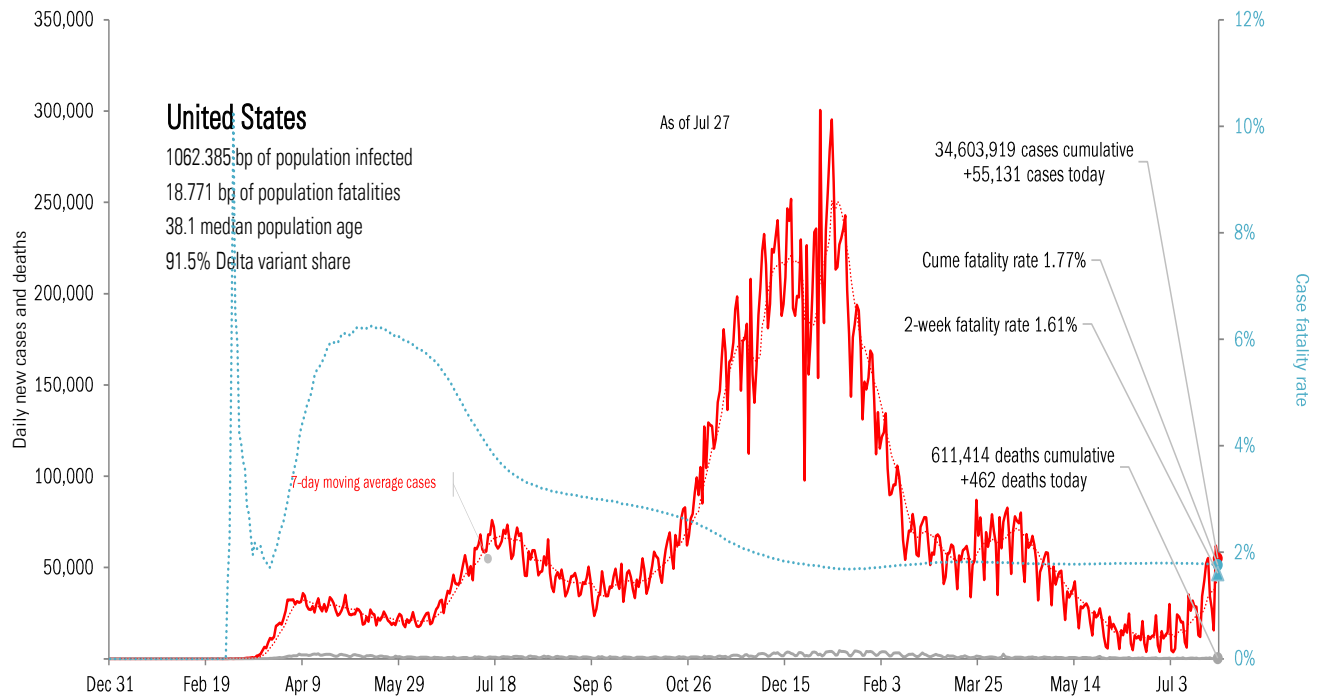
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+12,552		KS	+126		FL	+433		CA	3,927,901		CA	64,292		TX	264,374		RI	94%	MO	30%
FL	+10,452		MO	+62		KY	+247		TX	3,095,920		NY	53,611		CA	247,246		MA	85%	AR	27%
CA	+10,291		FL	+46		GA	+196		FL	2,502,605		TX	53,078		FL	203,472		MO	84%	NV	24%
LA	+6,818		TX	+41		TX	+182		NY	2,140,258		FL	38,651		NY	138,130		MD	84%	FL	23%
GA	+3,587		CA	+25		CA	+125		IL	1,413,490		PA	27,831		GA	112,999		FL	83%	UT	22%
AL	+2,667		CH	+23		AL	+86		PA	1,226,157		NJ	26,586		PA	92,705		GA	82%	MS	22%
MO	+2,541		LA	+20		LA	+80		GA	1,167,405		IL	25,847		CH	89,345		PA	81%	TX	18%
TN	+2,102		TN	+20		NC	+50		CH	1,123,964		GA	21,644		IL	84,235		NV	80%	OK	18%
MI	+2,069		MI	+19		AR	+40		NC	1,038,976		MI	21,165		KY	81,212		CT	80%	AK	17%
AR	+2,052		NV	+17		MO	+37		NJ	1,035,027		CH	20,490		MI	74,003		MN	79%	WY	15%
+55,131			+399			+1,476			18,671,703			353,195			1,387,721						
All states	+81,192		+508			+1769			All states	34,603,919		611,414			2,470,591			All states	70%	67%	
Top ten	68%		79%			83%			Top ten	54%		58%			56%			Median	73%	8%	

Some states not reporting

Five most improved US states

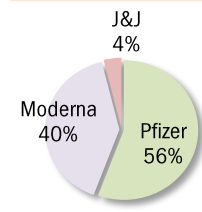
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NC	-3,841	WI	-82	NV	-55	MP	+30 bp
OK	-2,936	CO	-16	AZ	-49	UT	+20 bp
SC	-2,527	AR	-13	KS	-36	CO	+10 bp
GA	-2,526	CA	-7	UT	-28	CT	+10 bp
MS	-2,317	NY	-6	TN	-23	DC	+10 bp



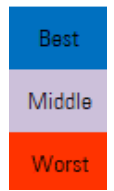
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	352,470,341		+0.397 million		US	48.8%	56.5%	
	One dose	% Pop	Immune	% pop	New immune today	UK	55.2%	68.7%
Total population	193,747,620	58%	167,582,081	50%	+0.140 million	France	45.3%	59.1%
Age 12 to 17	10,379,794	41%	8,069,144	32%	+0.025 million	Spain	55.9%	66.3%
Age 18 to 64	132,561,897	65%	114,208,933	56%	+0.101 million	Germany	49.9%	60.7%
Age 65 and over	50,582,763	92%	45,174,431	83%	+0.013 million	Italy	49.8%	62.4%



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



Every American >18 immune in **332 days** by Jun 24, 2022
 61.7% of population >18 immunized
 11.8% previously tested positive
73.5% vs 60% adult herd immunity*

Australia	13.5%	31.2%
Israel	61.6%	66.7%
Canada	56.7%	71.1%
Japan	26.4%	37.6%
Africa	1.6%	3.2%
India	7.0%	25.3%
Brazil	18.3%	47.8%

Global data differs from sources, timing

AK	51.2%
	45.3%

WI	55.3%
	51.6%

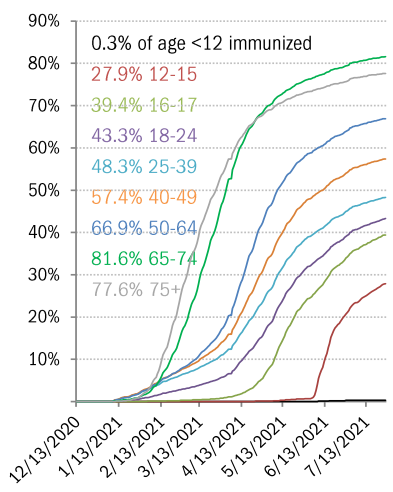
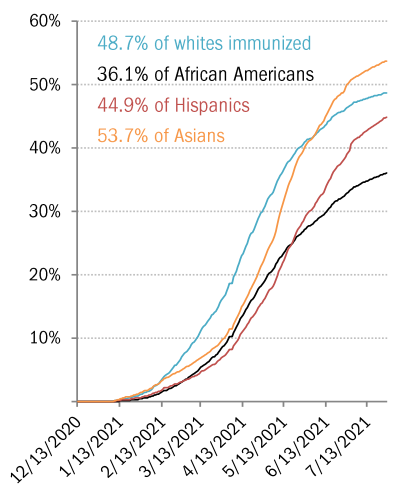
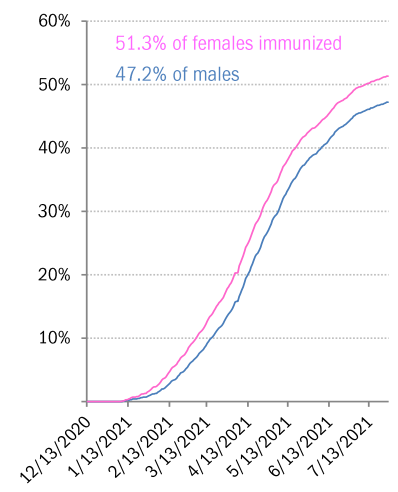
As of Jul 27

China NA

ME	68.1%
	63.3%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
63.6%	40.8%	49.0%	45.1%	58.5%	61.8%	52.8%	62.6%	75.3%	64.3%	
57.3%	37.2%	44.1%	39.9%	53.5%	48.2%	48.7%	56.7%	67.4%	58.0%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
60.3%	53.0%	41.2%	52.3%	52.9%	46.8%	49.5%	65.0%	65.4%	72.3%	
55.7%	44.0%	36.4%	46.7%	49.4%	44.0%	46.2%	51.9%	57.8%	63.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
64.2%	51.5%	59.9%	53.4%	48.0%	51.5%	45.9%	61.2%	64.2%	69.4%	66.7%
52.4%	44.4%	54.1%	49.3%	40.9%	45.3%	39.0%	54.2%	58.5%	63.0%	61.1%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
52.6%	64.9%	52.7%	45.7%	44.2%	50.7%	46.2%	63.6%	60.2%		
45.0%	56.7%	45.0%	36.0%	38.9%	43.5%	40.4%	54.5%	52.4%		
OK	LA	MS	AL	GA						
47.2%	41.3%	38.6%	42.3%	45.1%						
40.0%	36.6%	34.2%	34.1%	38.0%						
TX										
50.9%										
43.5%										
HI							FL		PR	
71.1%							56.9%		68.5%	
53.3%							48.5%		59.5%	

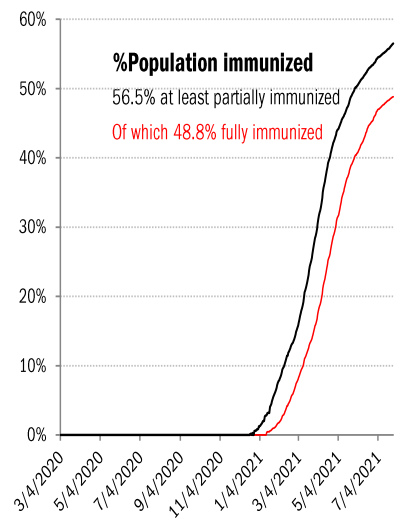
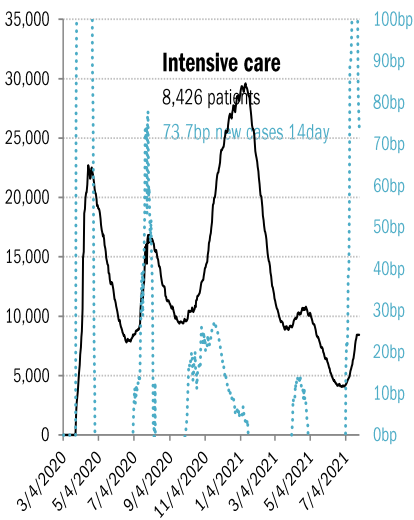
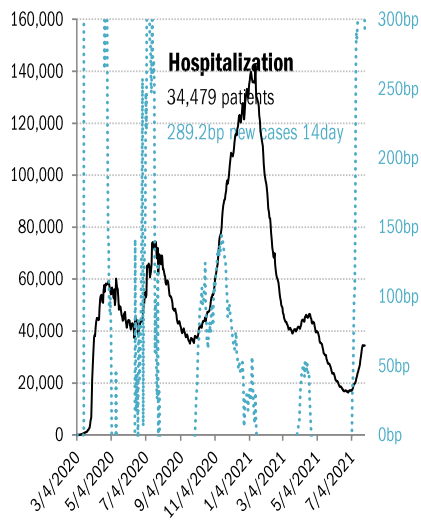
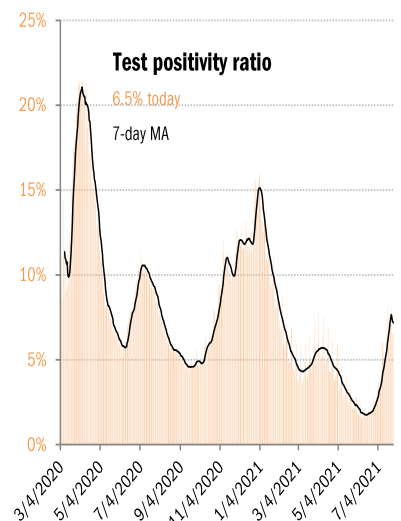
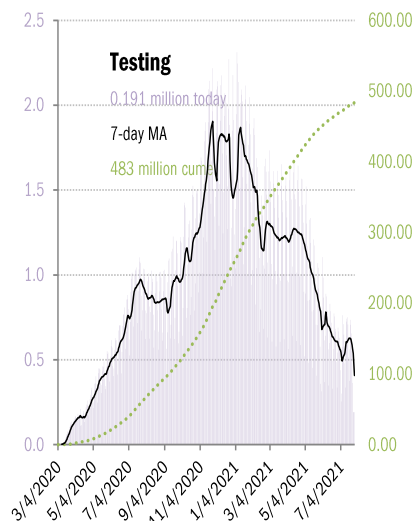
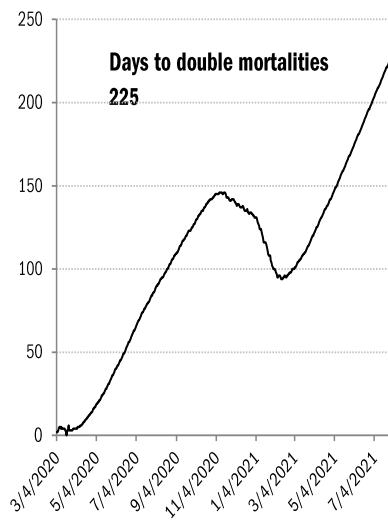
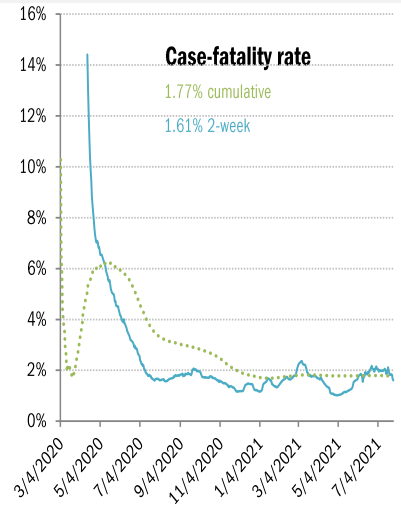
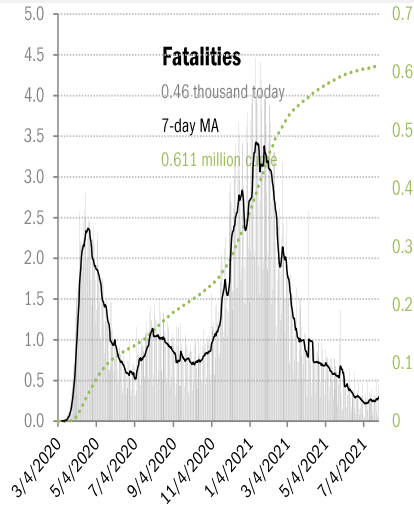
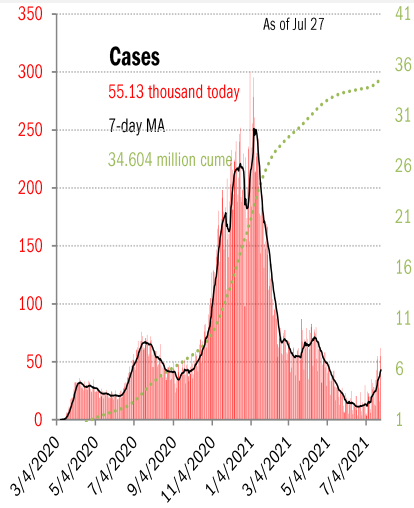
The demographics of US vaccination



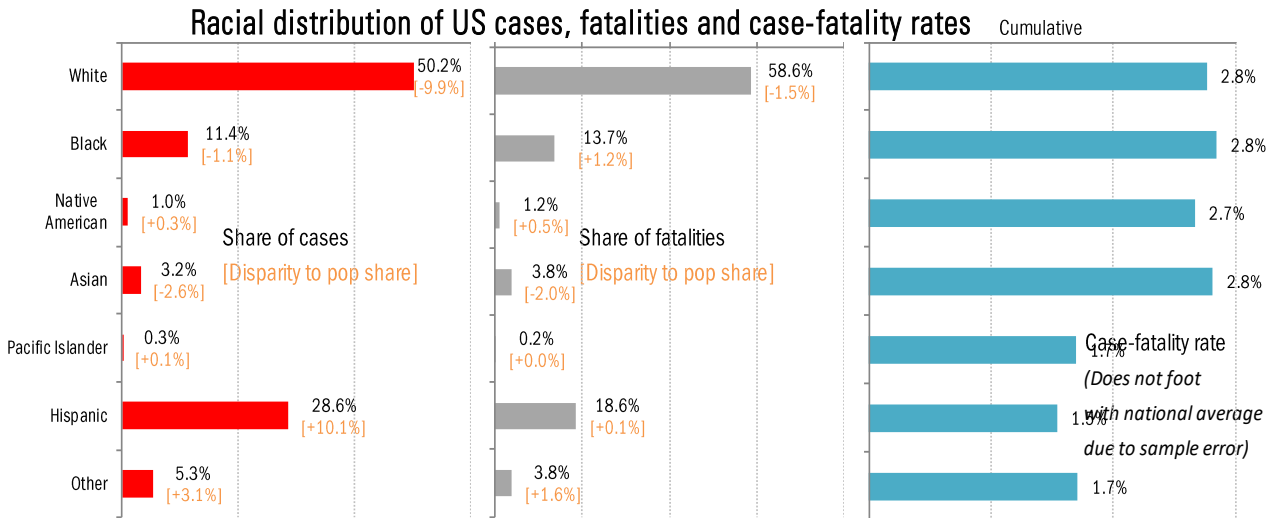
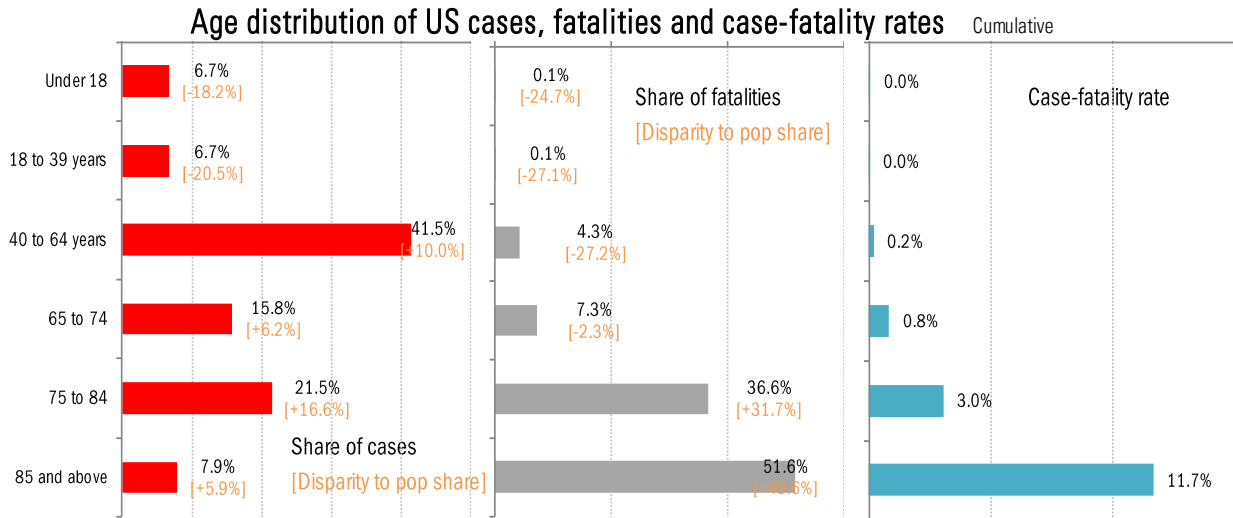
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

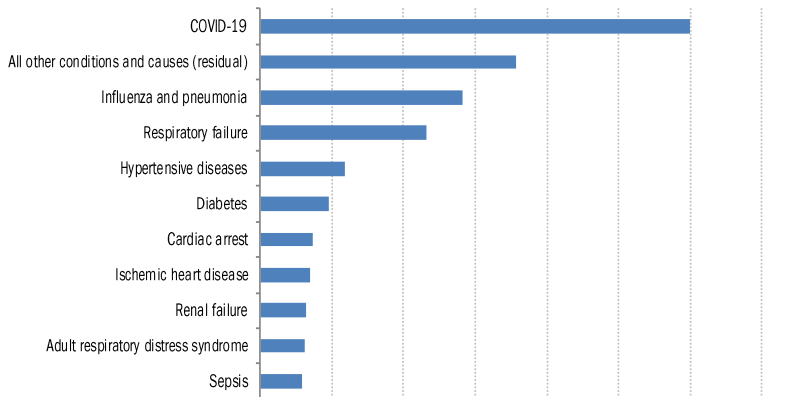


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jul 18

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

[Covid Is the 21st Century's Sputnik](#)

Mike Milken
Wall Street Journal
July 27, 2021

[U.S. Won't Lift Foreign Travel Restrictions](#)

Gary Leff
View from the Wing
July 26, 2021

[First Use the Spare Covid \\$1 Trillion](#)

Wall Street Journal
July 27, 2021

[The Limits of Government Disease Control](#)

Casey B. Mulligan and Tomas J. Philipson
Newsweek
July 27, 2021

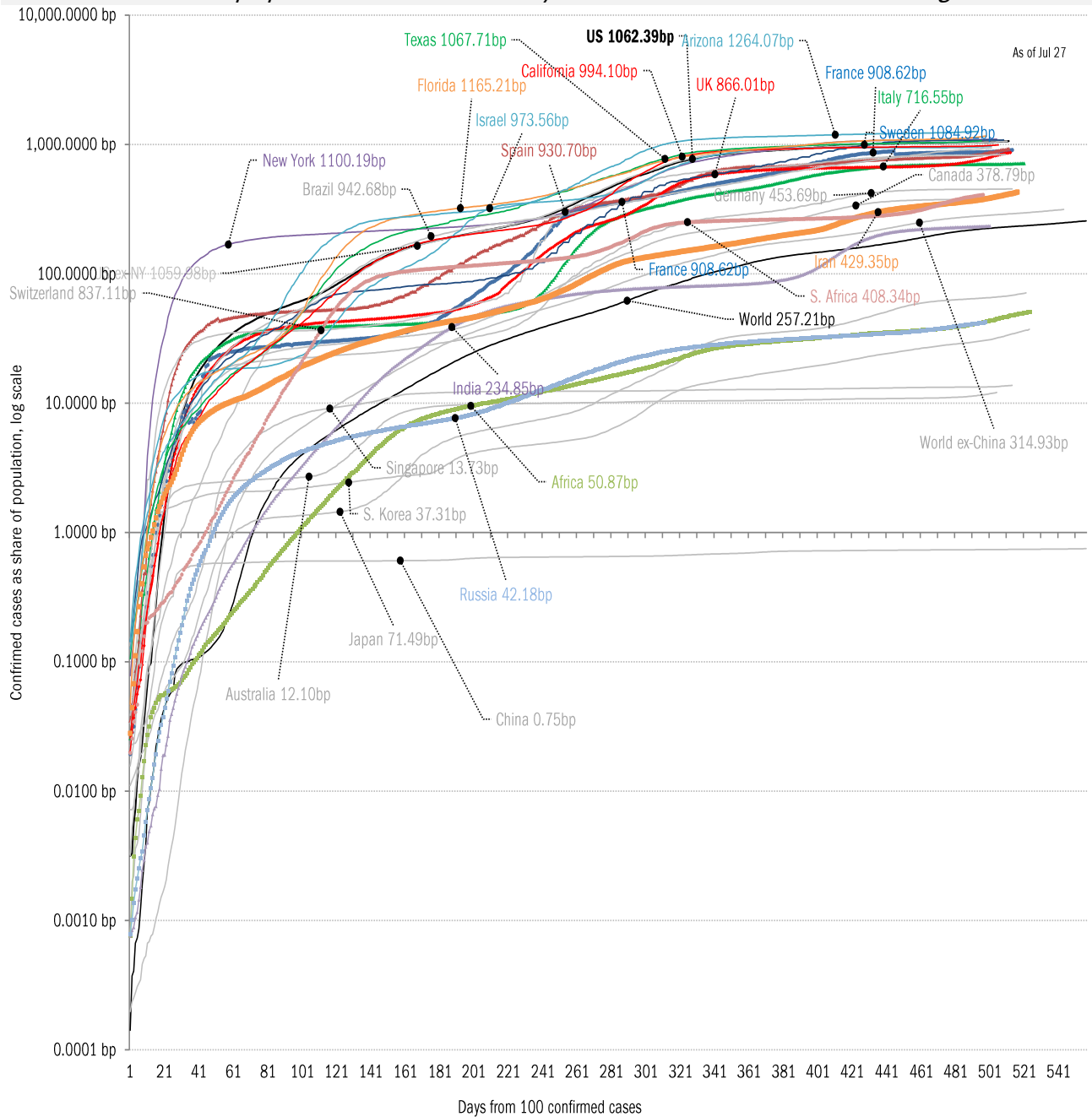
Meme of the day



**Compromise Reached: Everyone Still Afraid Of
COVID Will Be Locked Down, Everyone Else
Will Live Lives As Normal**

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

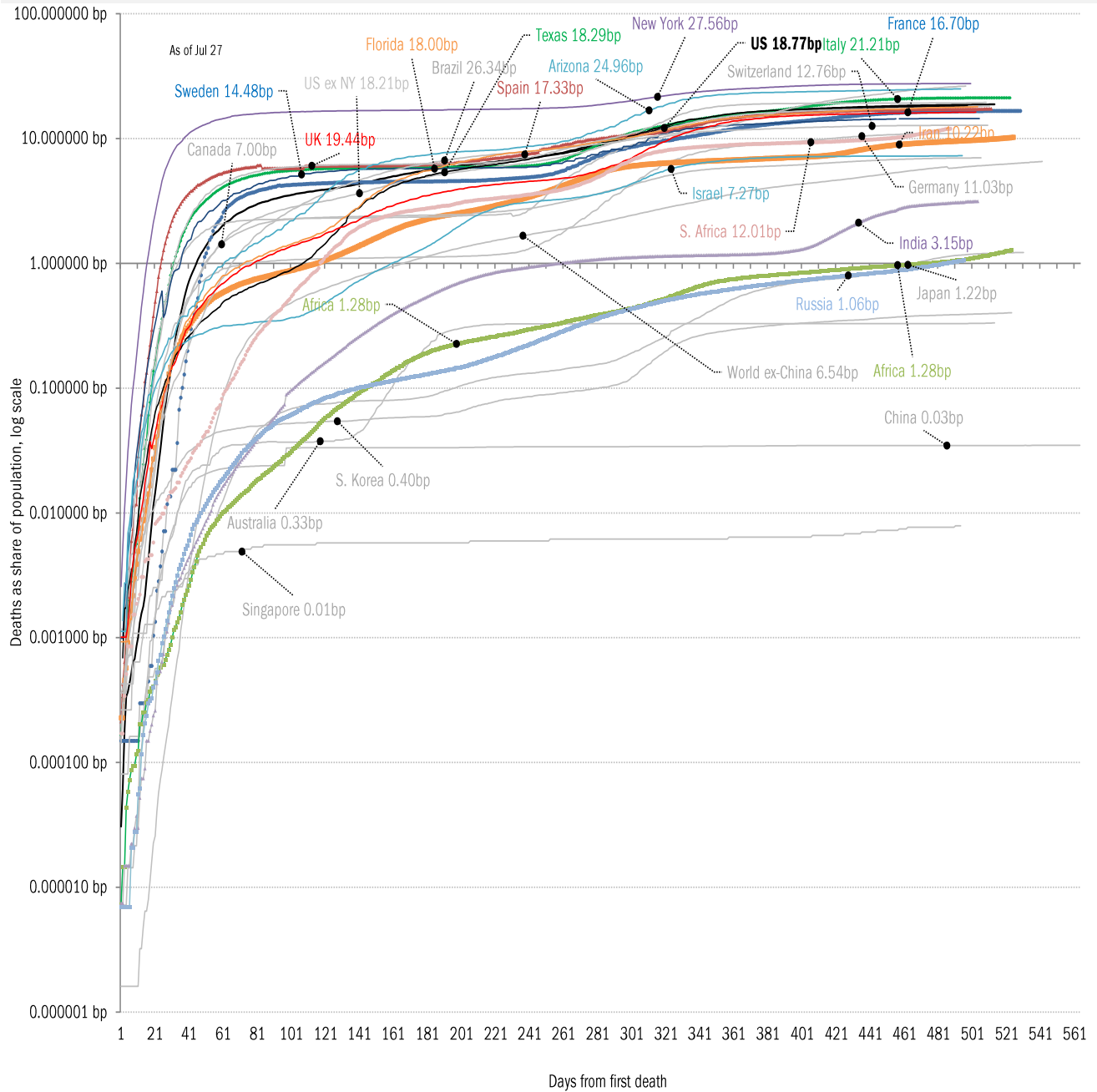
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

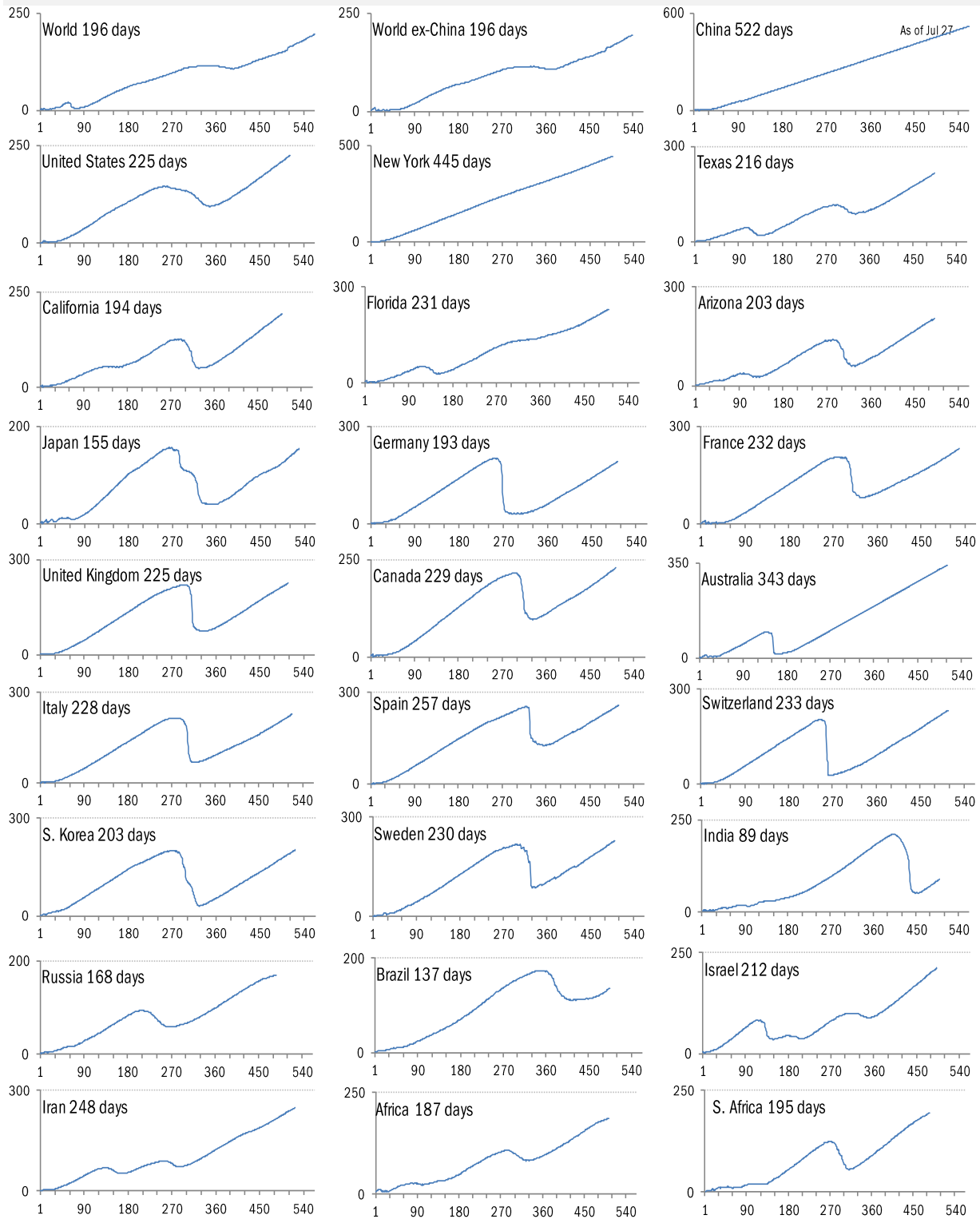


Source: [Johns Hopkins](#), TrendMacro calculations

"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

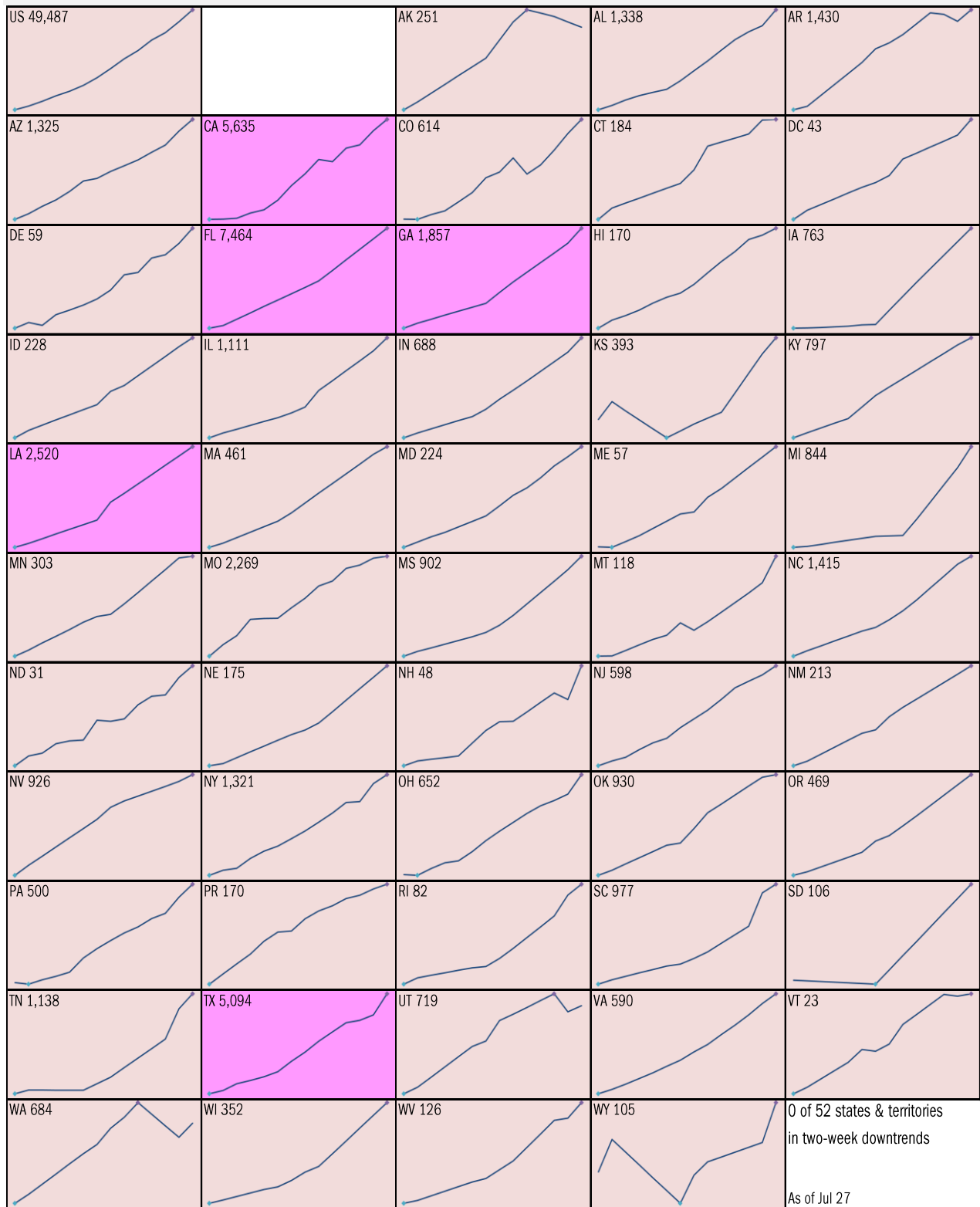


Source: [Johns Hopkins](#), TrendMacro calculations

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

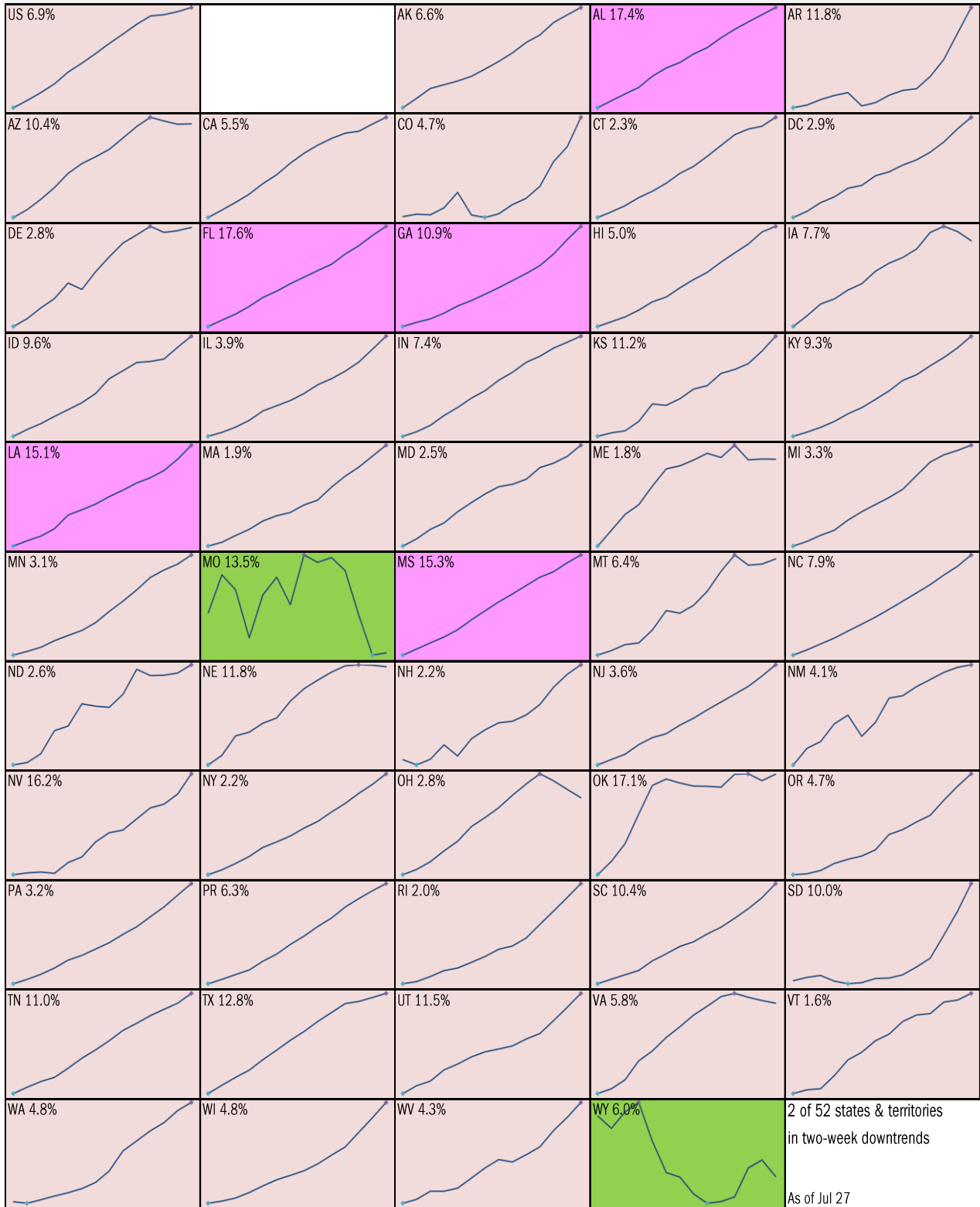


Source: [Johns Hopkins](#), TrendMacro calculations

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

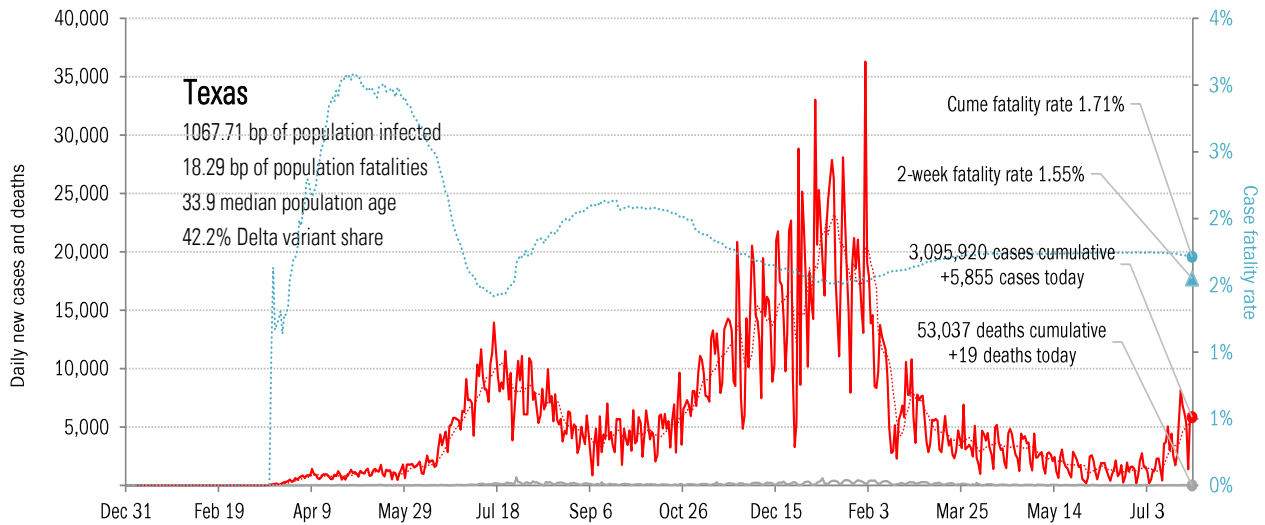
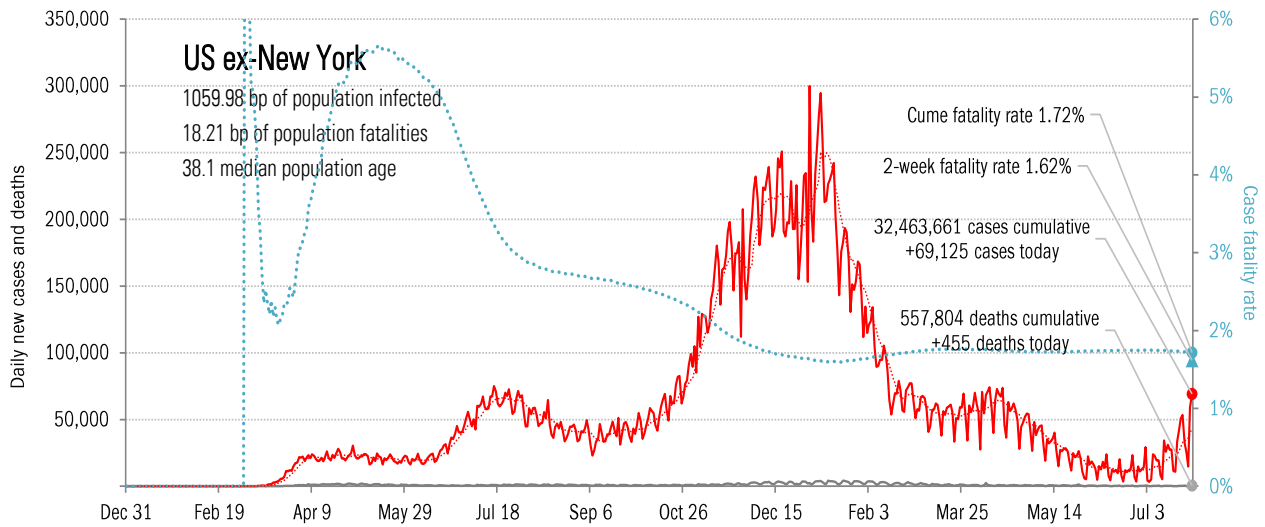
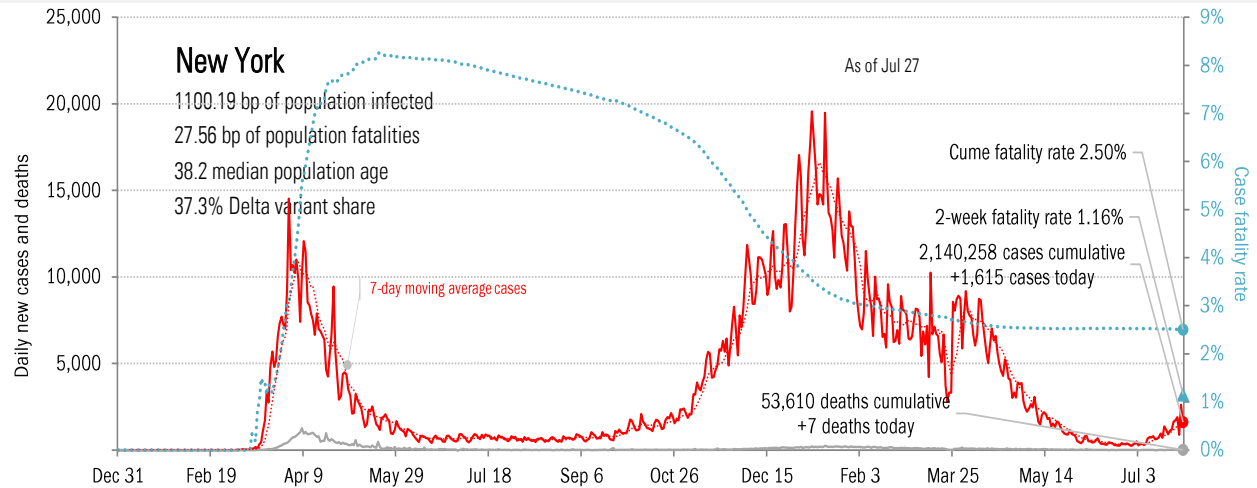
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



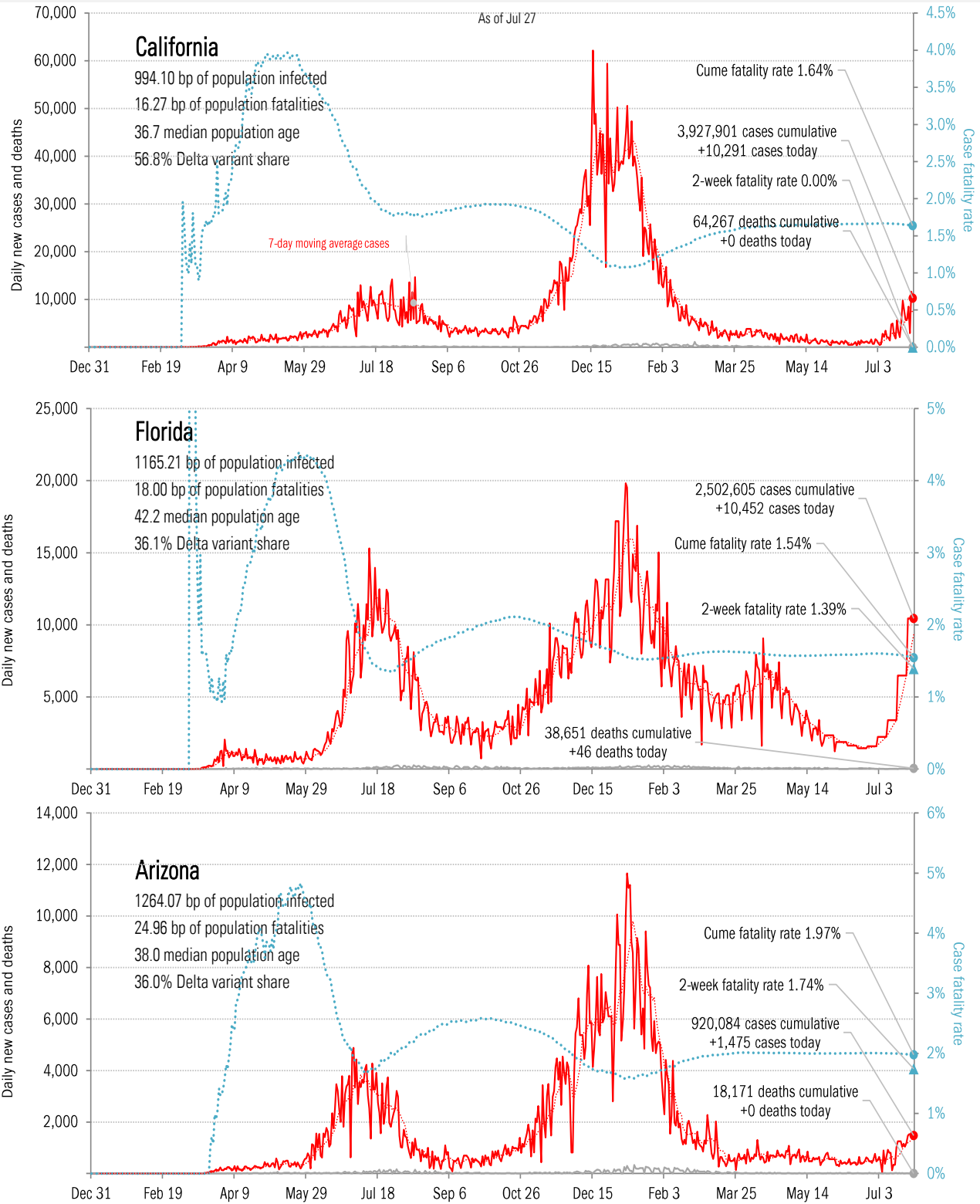
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



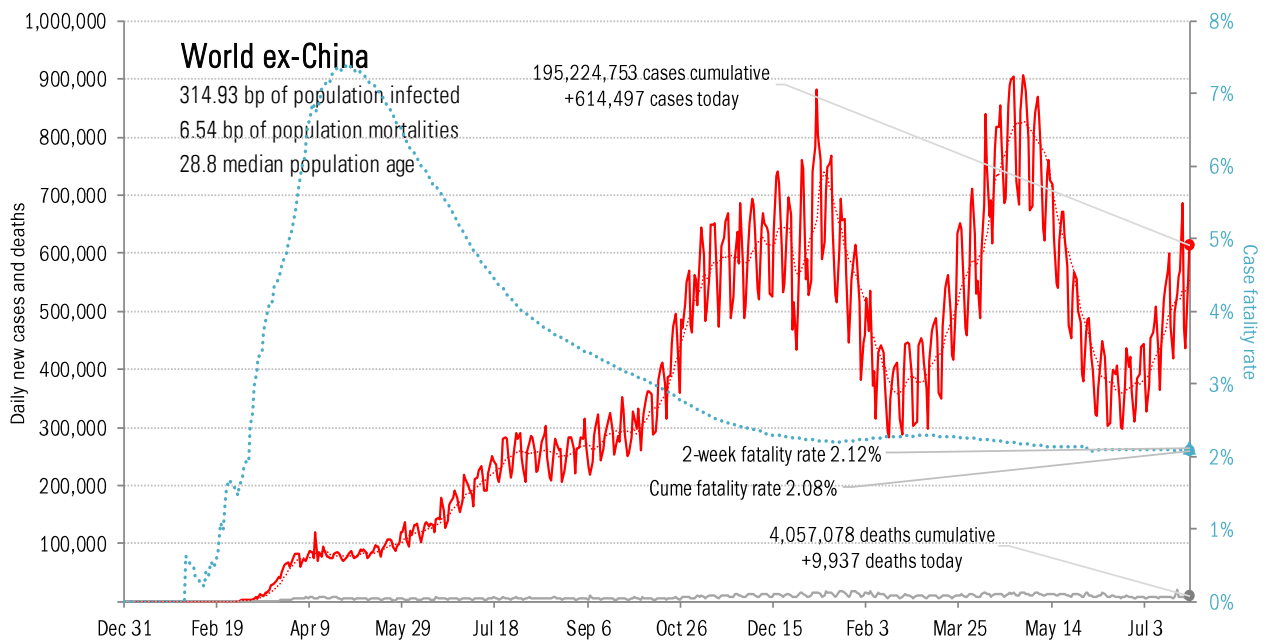
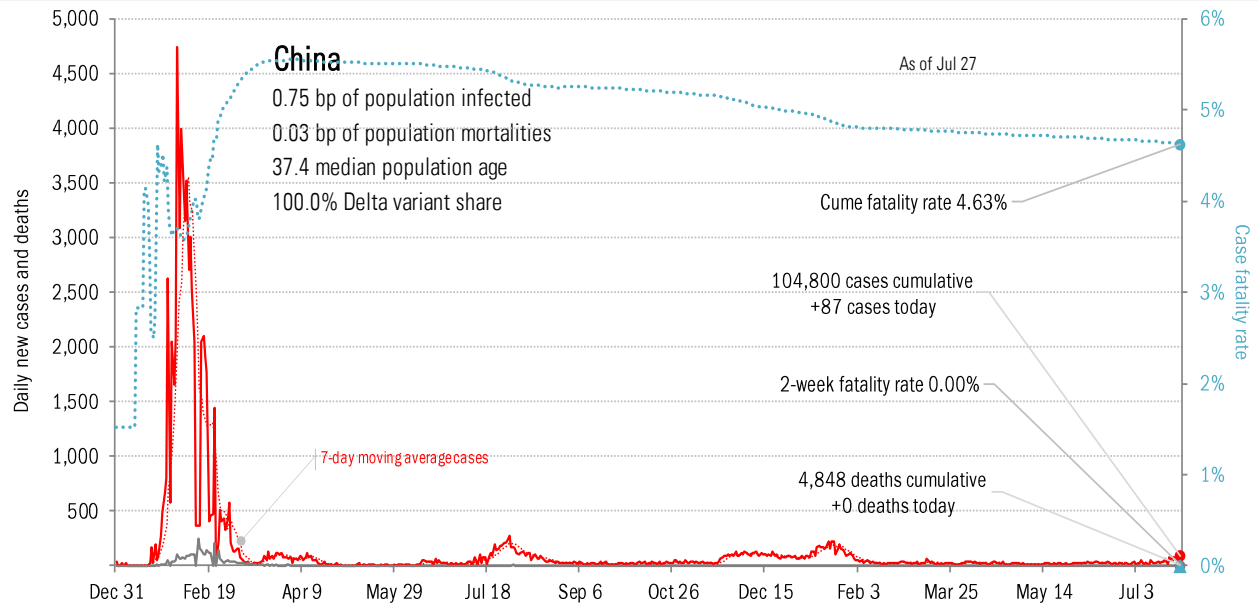
Source: [Johns Hopkins](#), TrendMacro calculations

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



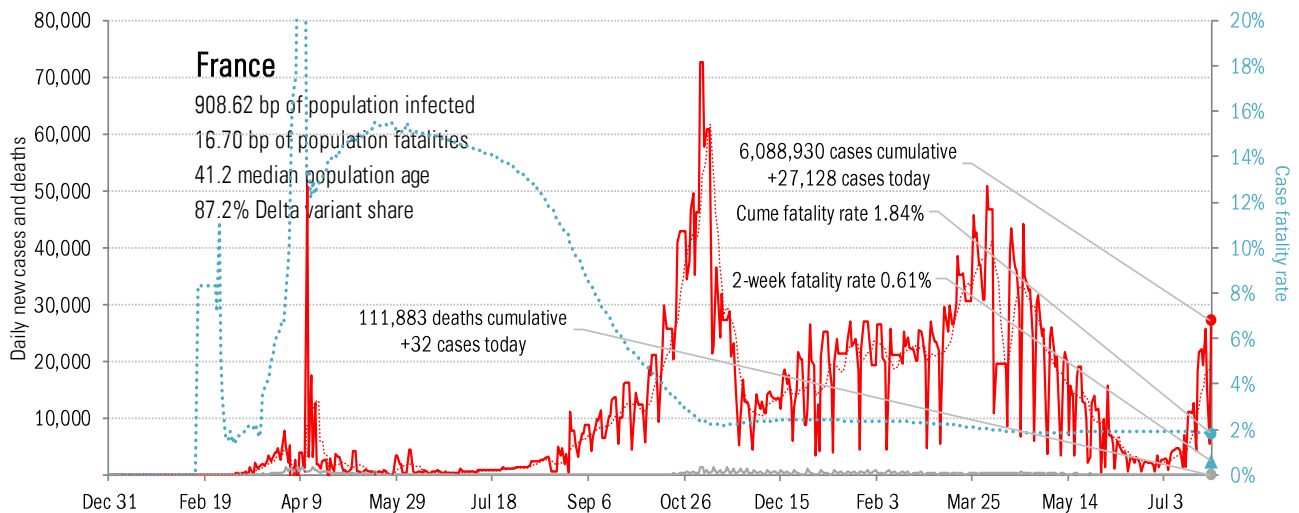
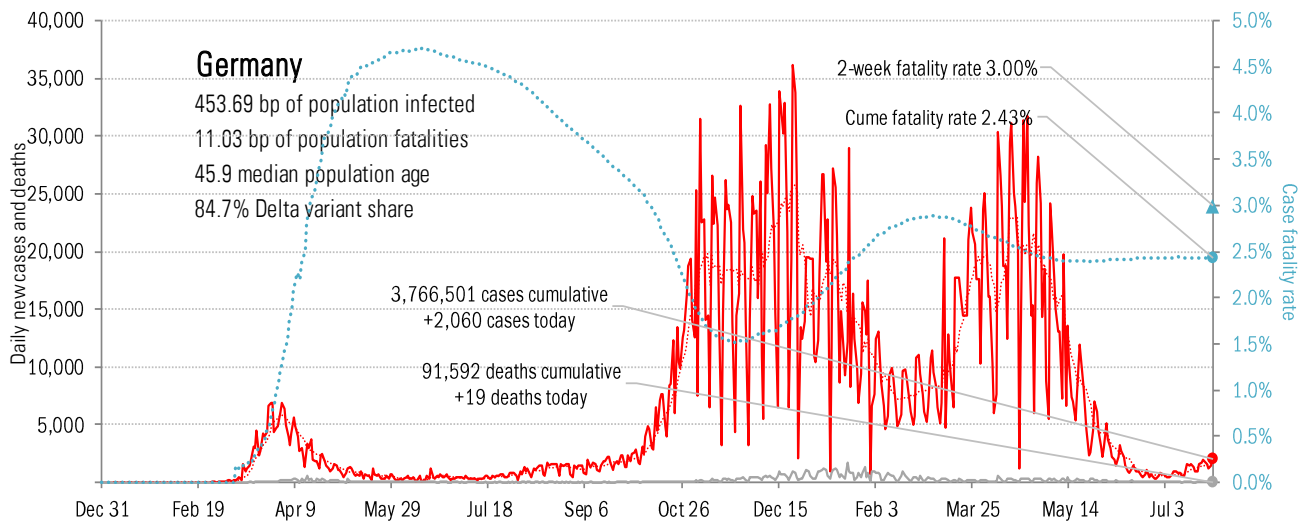
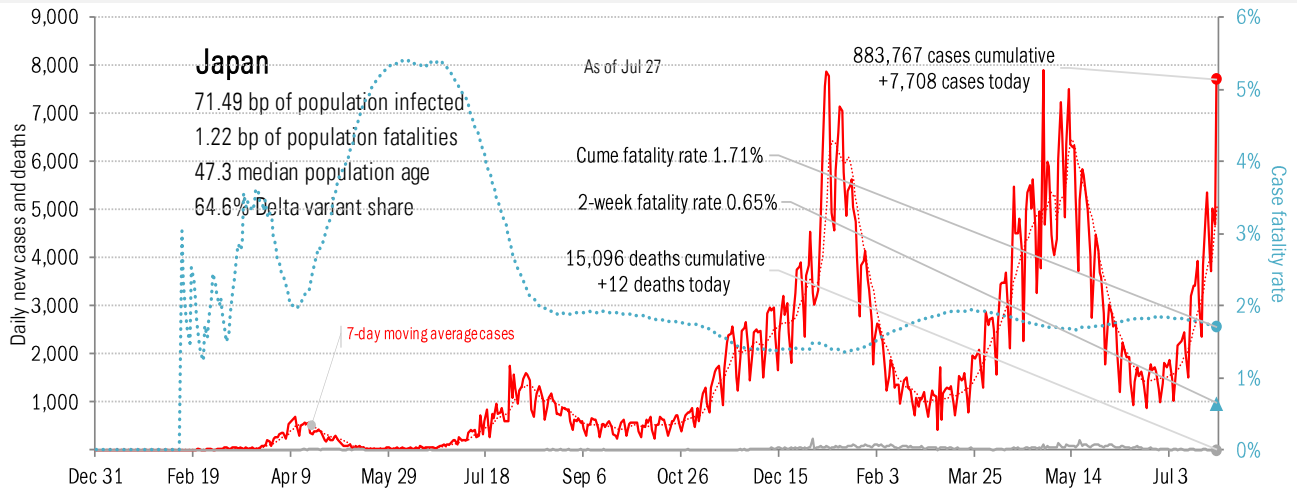
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



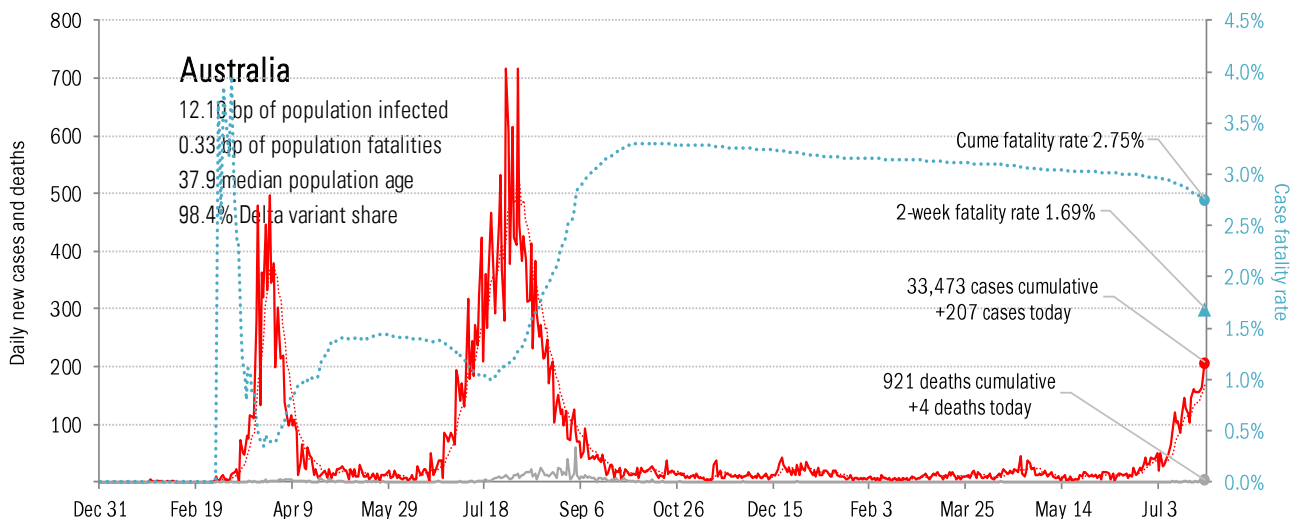
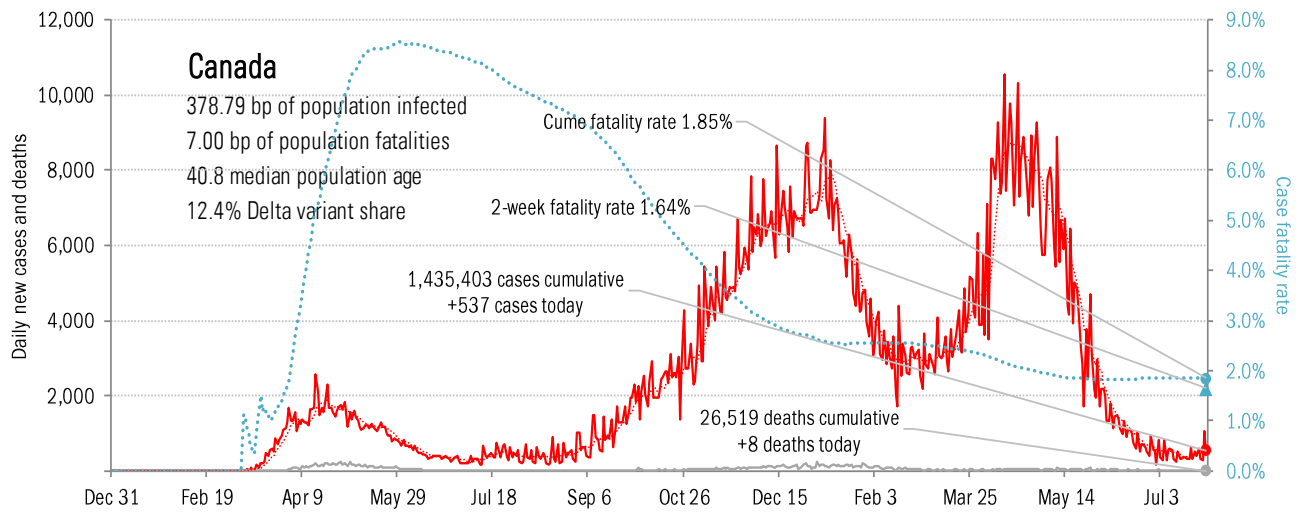
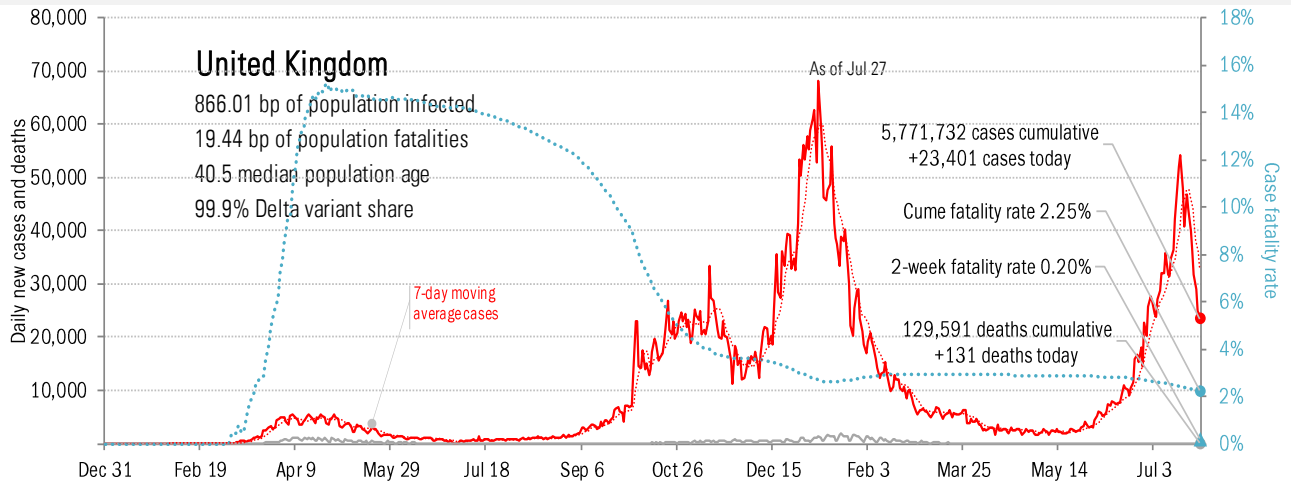
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



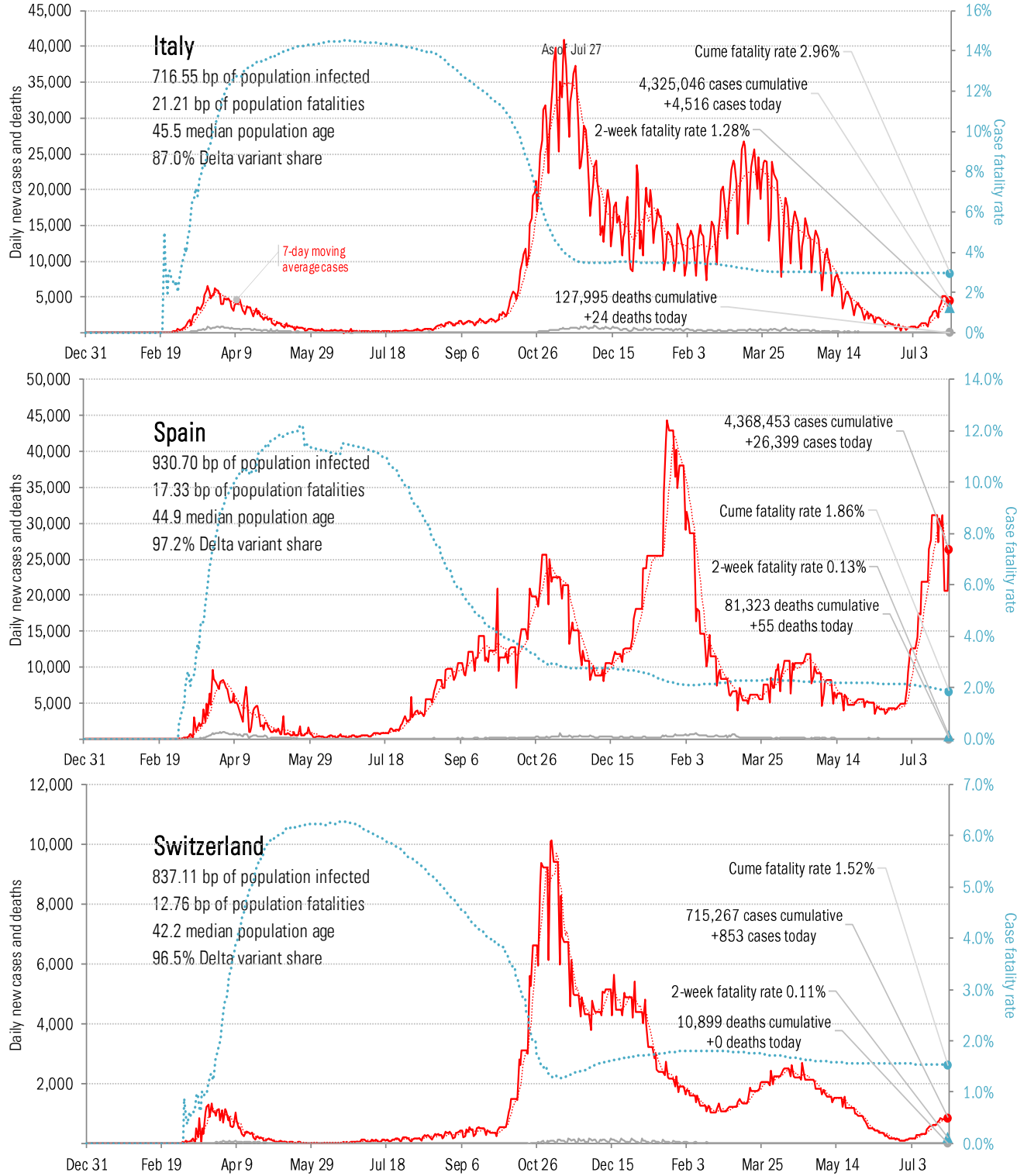
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



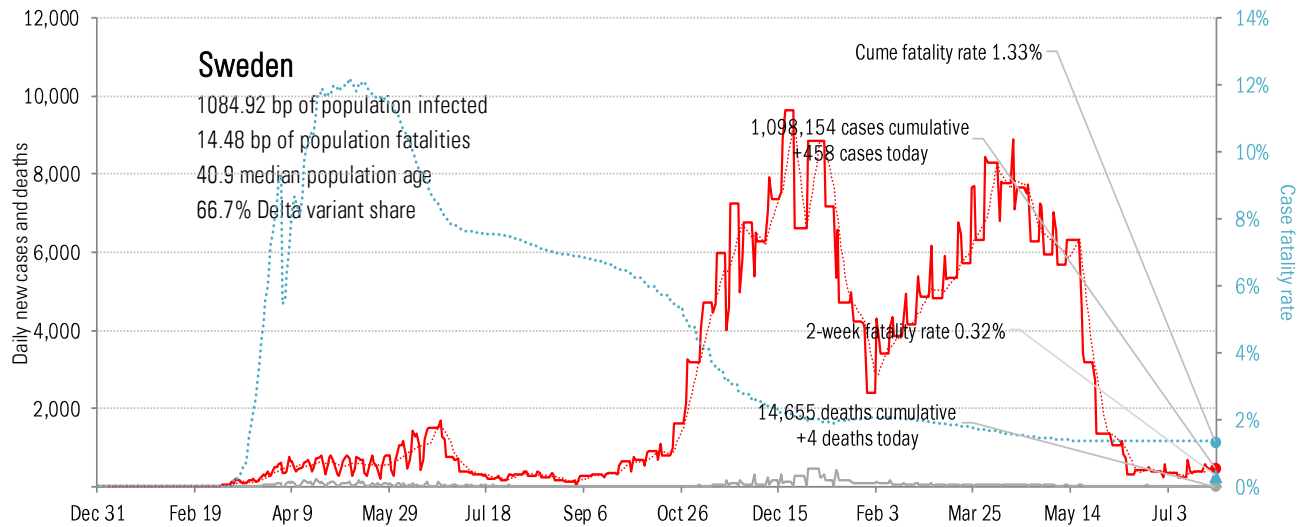
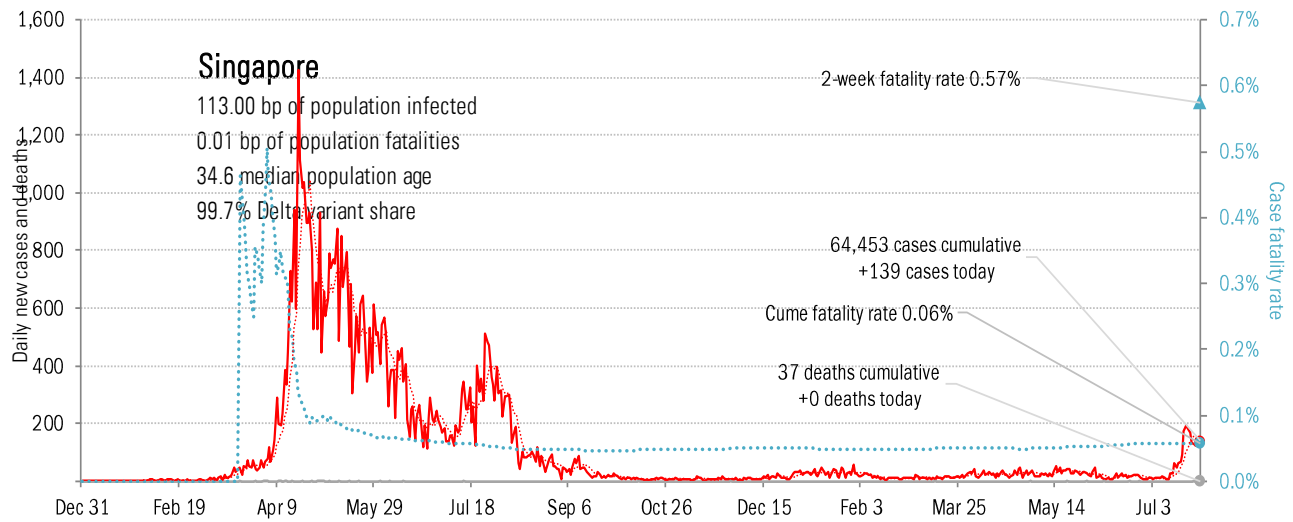
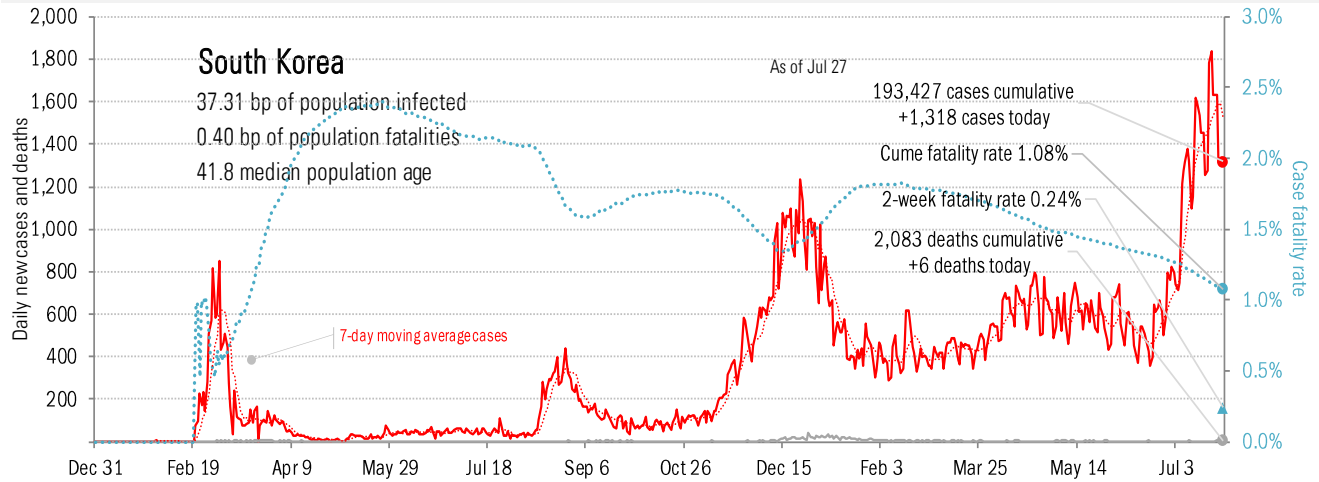
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



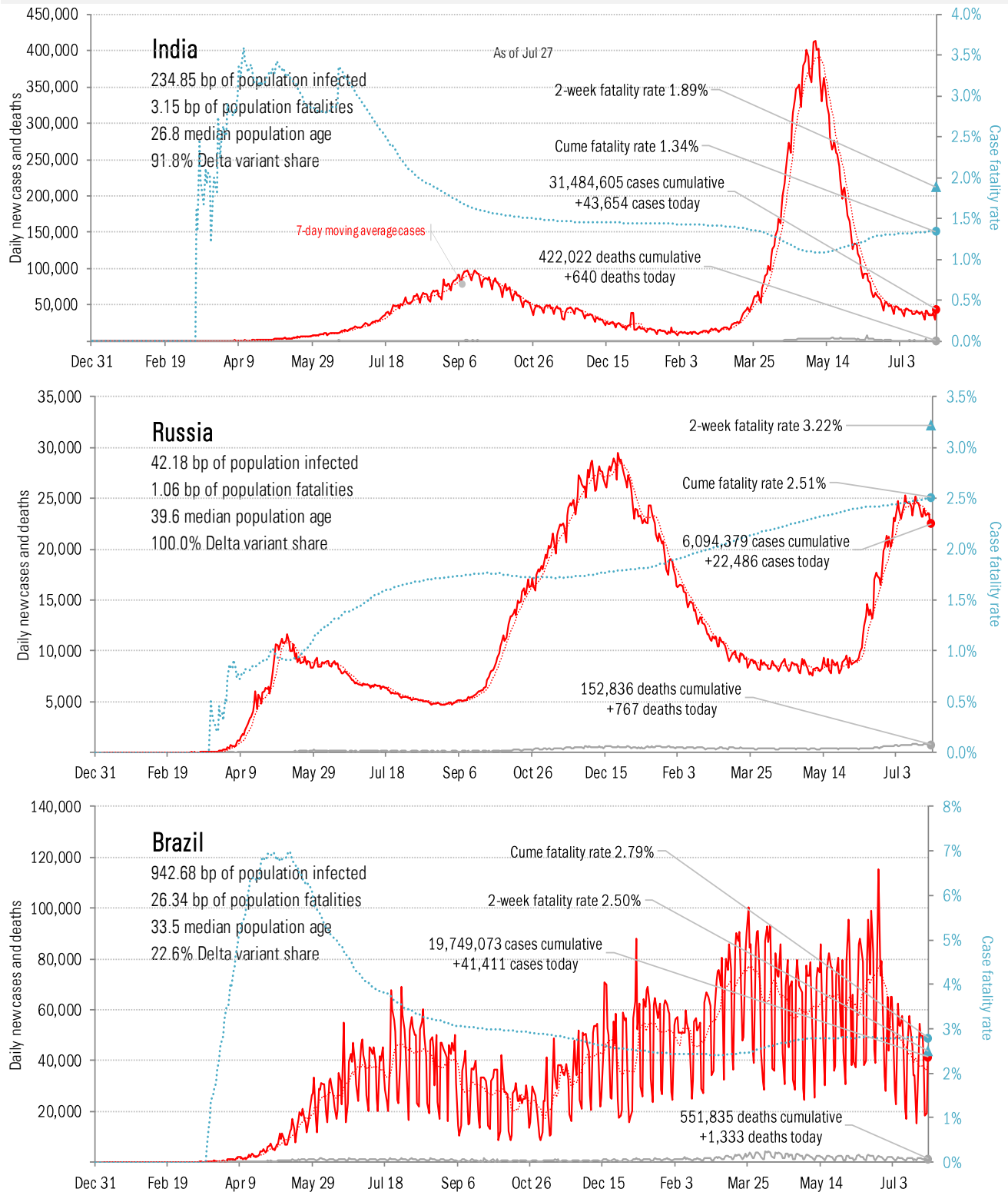
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



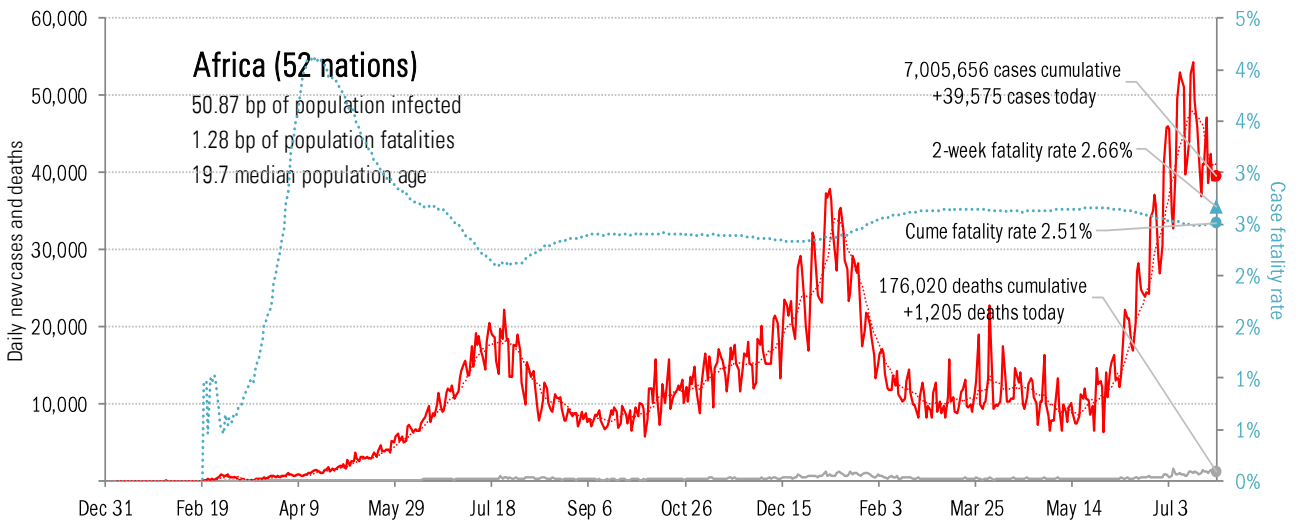
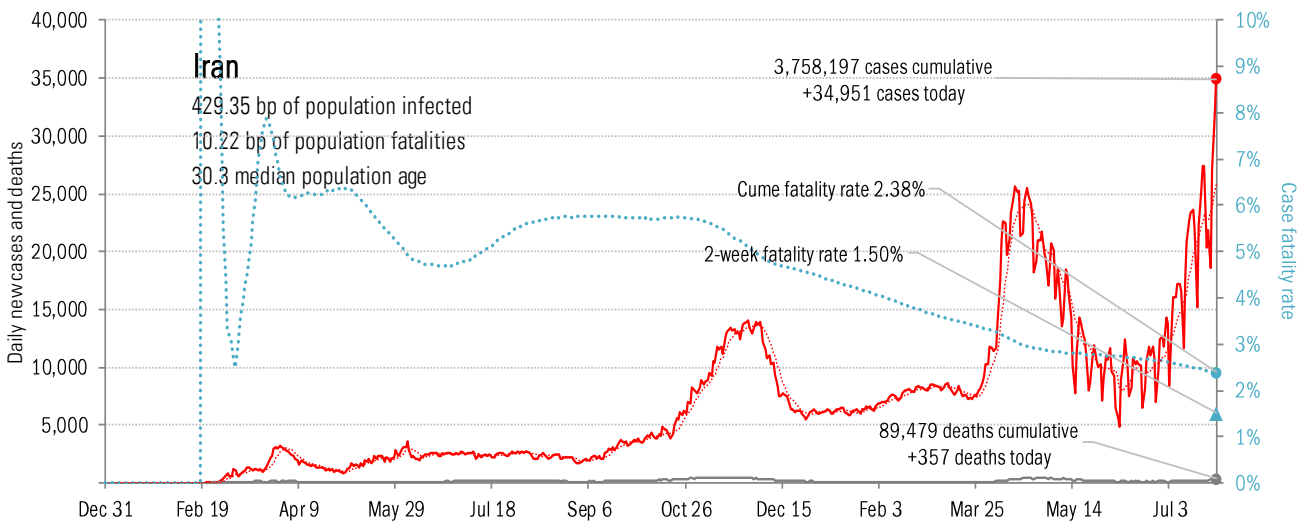
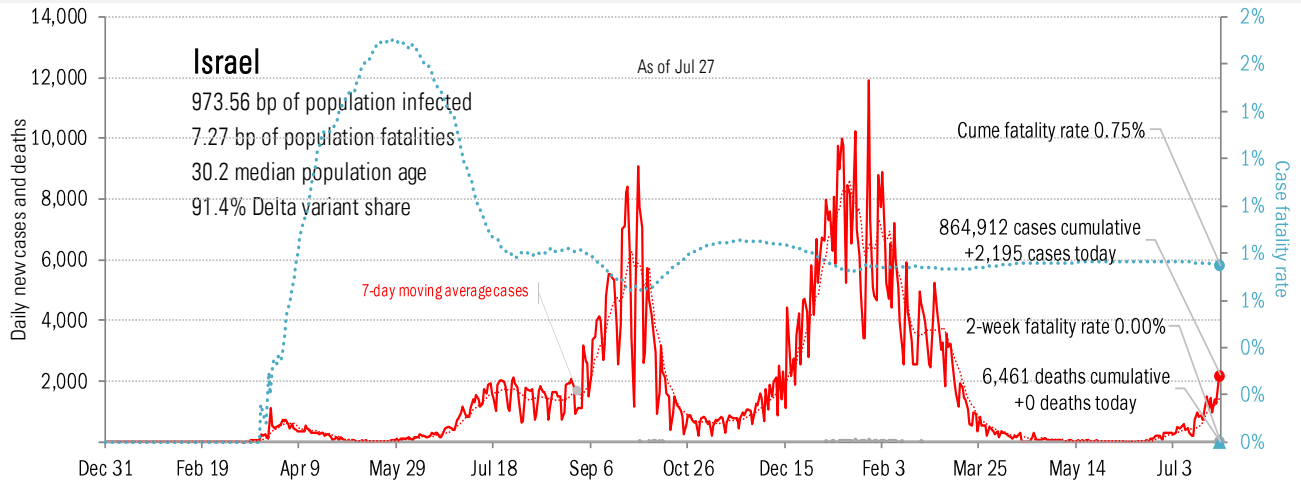
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



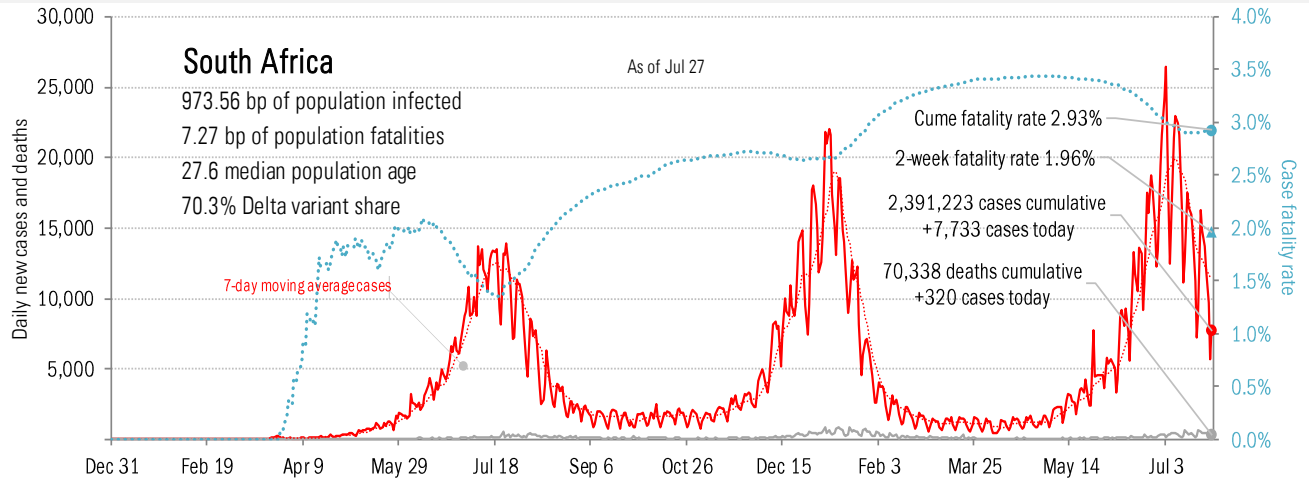
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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