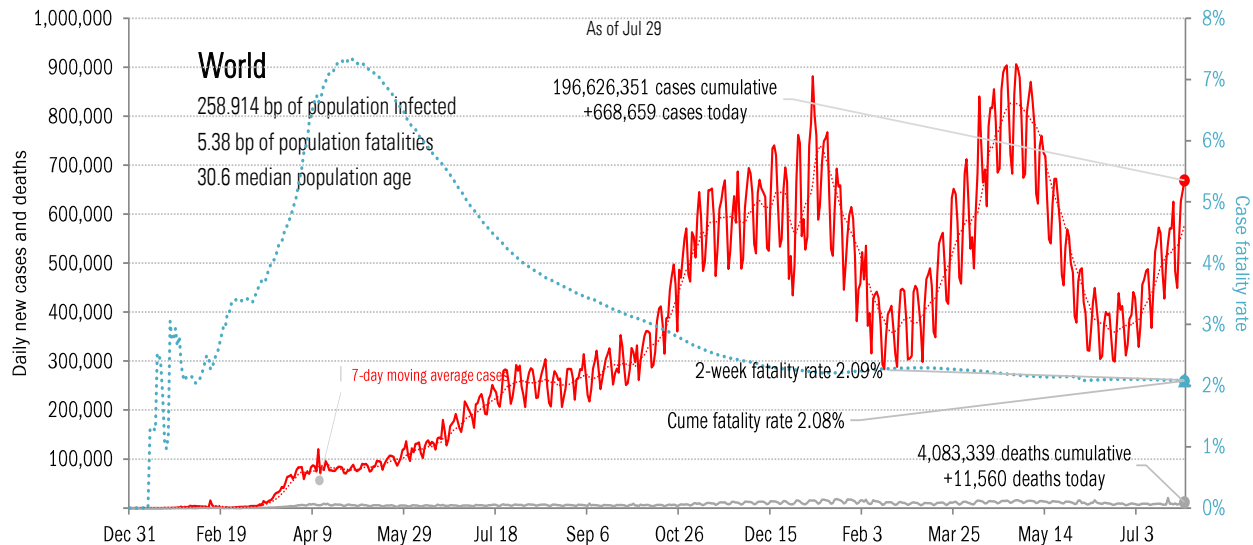
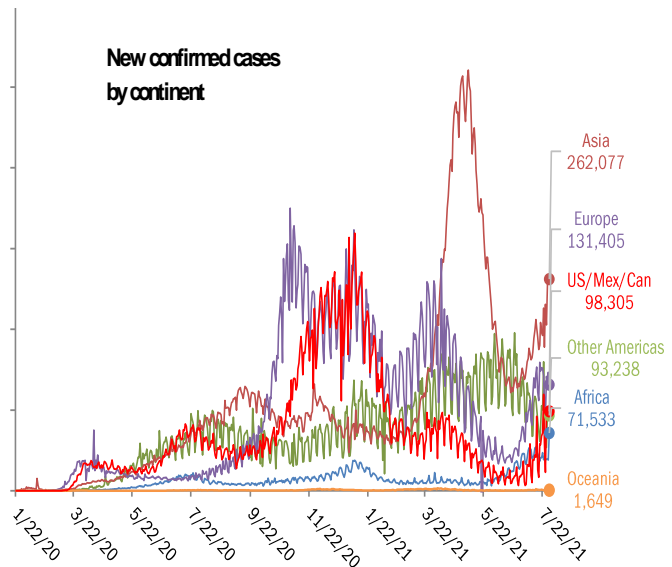


Data Insights: Covid-2019 Monitor

Friday, July 30, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+88,622	Indonesia	+1,893
India	+44,230	Brazil	+1,318
Indonesia	+43,479	South Africa	+1,093
Brazil	+42,283	Russia	+784
Iran	+34,433	Ecuador	+752
South Africa	+30,928	India	+555
United Kingdom	+30,871	Vietnam	+392
Spain	+26,689	Mexico	+381
France	+25,429	Burma	+342
Russia	+22,720	Colombia	+325
+389,684		+7,835	
World	+668,659	World	+11,560
Top ten	58%	Top ten	68%



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

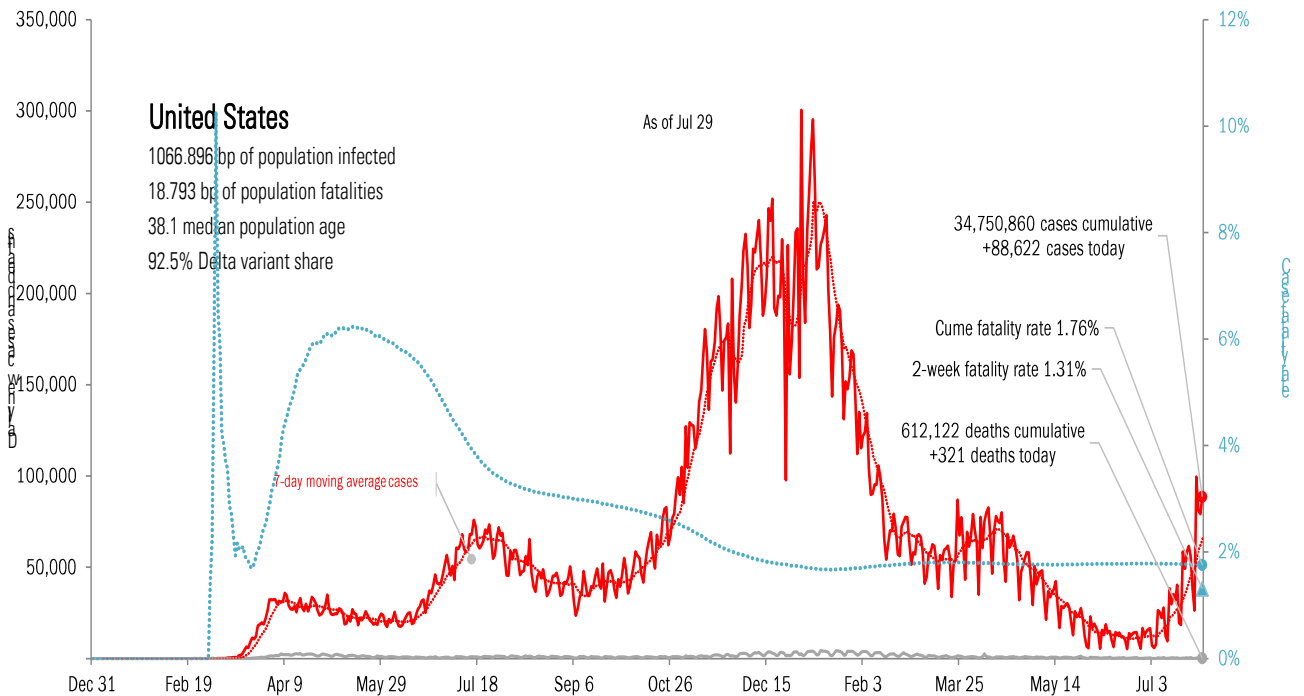
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use		
TX	+14,716		CA	+45		FL	+433		CA	3,944,933		CA	64,386		TX	264,374		RI	94%		MO	30%
FL	+10,452		FL	+37		KY	+247		TX	3,119,924		NY	53,625		CA	247,246		MA	85%		AR	27%
CA	+9,343		TX	+37		GA	+196		FL	2,523,510		TX	53,186		FL	203,472		MO	84%		NV	24%
GA	+4,612		NV	+26		TX	+182		NY	2,144,741		FL	38,729		NY	138,130		MD	84%		FL	23%
LA	+4,414		LA	+20		CA	+125		IL	1,417,263		PA	27,842		GA	112,999		FL	83%		UT	22%
NC	+3,268		WA	+19		AL	+86		PA	1,228,104		NJ	26,590		PA	92,705		GA	82%		MS	22%
MO	+3,079		AZ	+15		LA	+80		GA	1,175,845		IL	25,865		CH	89,345		PA	81%		TX	18%
AR	+2,843		IL	+12		NC	+50		CH	1,126,625		GA	21,665		IL	84,235		NV	80%		OK	18%
NY	+2,609		NC	+12		AR	+40		NC	1,044,877		MI	21,165		KY	81,212		CT	80%		AK	17%
TN	+2,586		AR	+11		MO	+37		NJ	1,037,052		CH	20,490		MI	74,003		MN	79%		WY	15%
+57,922			+234			+1,476			18,762,874			353,543			1,387,721							
All states	+88,622			+358			+1769		All states	34,750,860			612,122			2,470,591		All states	70%			67%
Top ten	65%			65%			83%		Top ten	54%			58%			56%		Median	73%			8%

Some states not reporting

Five most improved US states

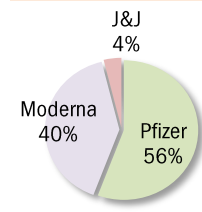
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AL	-2,726	WI	-93	NV	-55	MP	+20 bp
IA	-2,158	TX	-34	AZ	-49	PA	+20 bp
NE	-771	OK	-31	KS	-36	AR	+10 bp
AK	-528	MO	-19	UT	-28	CA	+10 bp
IL	-391	AL	-18	TN	-23	CT	+10 bp



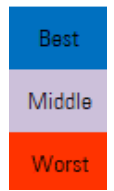
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	353,959,163		+0.727 million		US	49.0%	56.8%	
	One dose	% Pop	Immune	% pop	New immune today	UK	55.7%	68.8%
Total population	194,710,041	58%	168,147,562	50%	+0.287 million	France	46.7%	61.0%
Age 12 to 17	10,546,876	42%	8,163,430	32%	+0.050 million	Spain	57.1%	67.6%
Age 18 to 64	133,255,546	65%	114,609,446	56%	+0.202 million	Germany	51.1%	61.0%
Age 65 and over	50,684,106	93%	45,244,912	83%	+0.035 million	Italy	51.0%	62.9%
						Australia	14.2%	32.0%
						Israel	61.9%	66.8%
						Canada	58.0%	71.3%
						Japan	27.8%	38.6%
						Africa	1.7%	3.5%
						India	7.2%	25.8%
						Brazil	19.1%	48.7%



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



Every American >18 immune in **178 days** by Jan 22, 2022
 61.9% of population >18 immunized
 11.8% previously tested positive
73.7% vs 60% adult herd immunity*

Global data differs from sources, timing

AK
51.3%
45.4%

WI
55.4%
51.7%

As of Jul 29

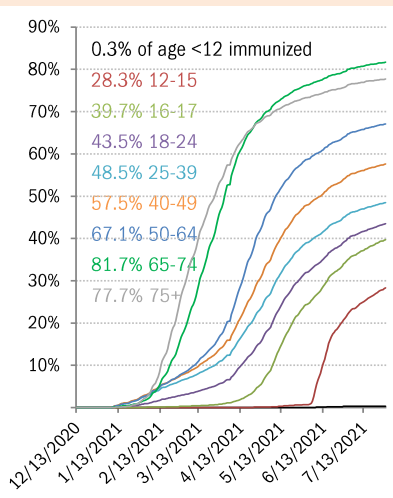
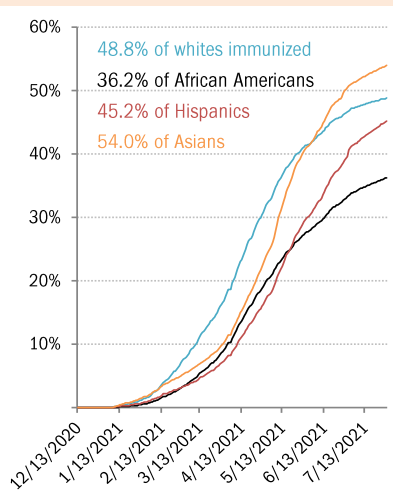
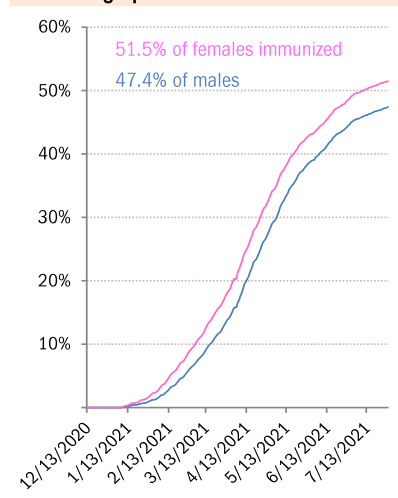
China NA

ME
68.2%
63.4%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
63.7%	41.0%	49.1%	45.3%	58.7%	62.0%	53.0%	62.8%	75.4%	64.6%	
57.4%	37.3%	44.1%	40.0%	53.7%	48.3%	48.7%	56.9%	67.4%	58.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
60.5%	53.3%	41.5%	52.5%	53.1%	47.0%	49.6%	65.3%	65.7%	72.4%	
55.8%	44.2%	36.6%	46.8%	49.5%	44.1%	46.3%	52.2%	58.2%	63.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
64.5%	51.9%	60.1%	53.7%	48.4%	51.8%	46.0%	61.5%	64.5%	69.6%	66.9%
52.6%	44.7%	54.2%	49.4%	41.1%	45.4%	39.0%	54.3%	58.7%	63.1%	61.3%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	52.8%	65.1%	53.0%	46.3%	44.5%	50.9%	46.5%	63.7%	60.4%	
	45.1%	56.9%	45.1%	36.2%	39.0%	43.6%	40.5%	54.6%	52.5%	
			OK	LA	MS	AL	GA			
			47.6%	41.8%	39.3%	42.7%	46.0%			
			40.1%	36.8%	34.4%	34.2%	38.6%			
			TX							
			51.3%							
			43.7%							
								FL		PR
								57.2%		68.6%
								48.7%		59.7%

HI
71.3%
53.4%

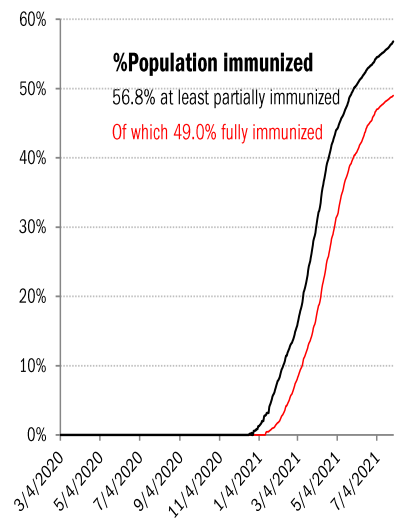
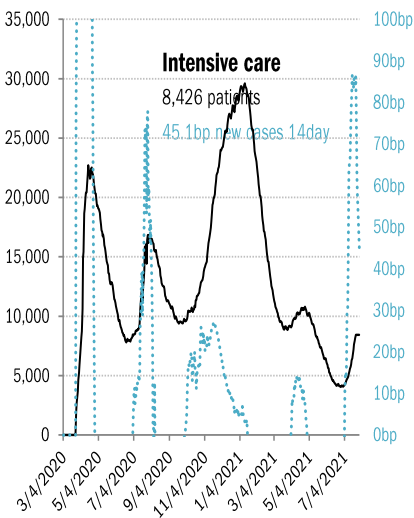
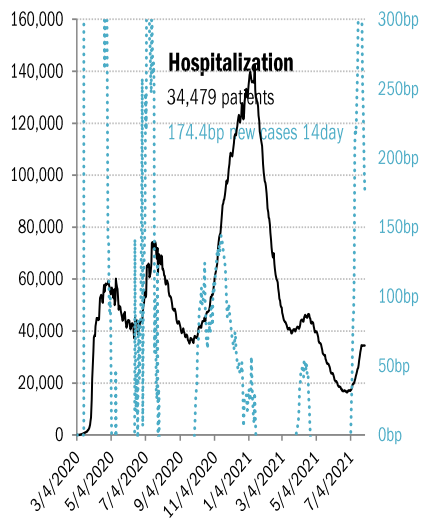
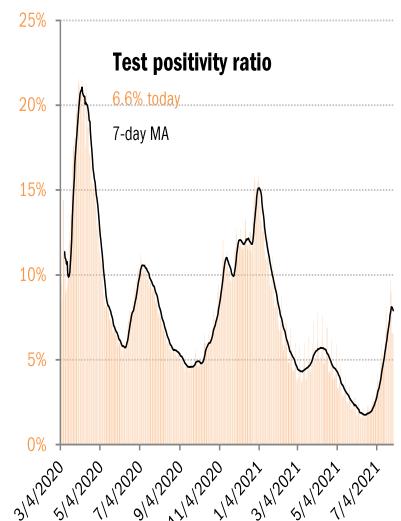
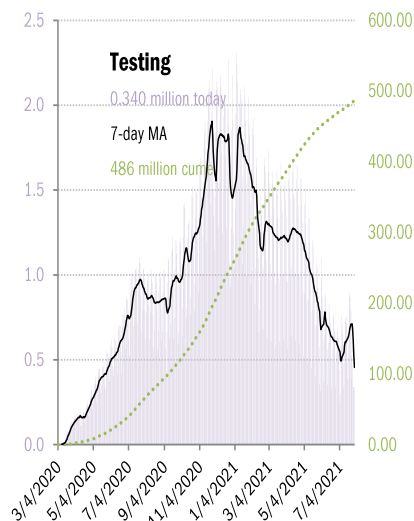
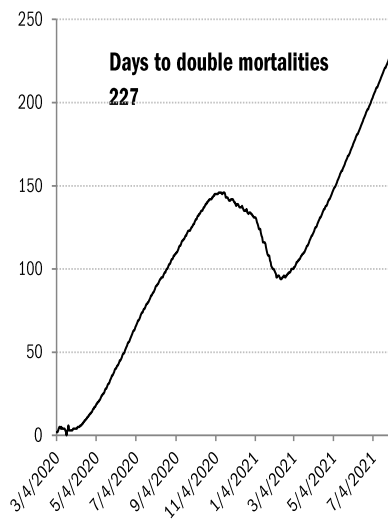
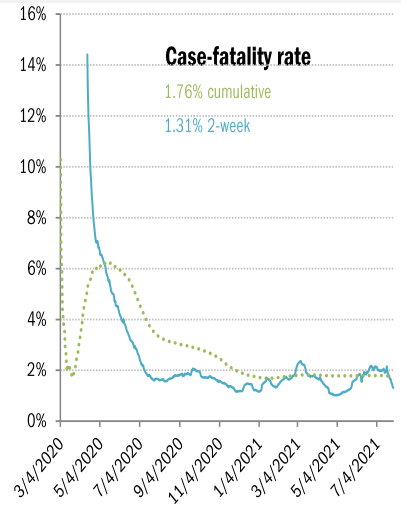
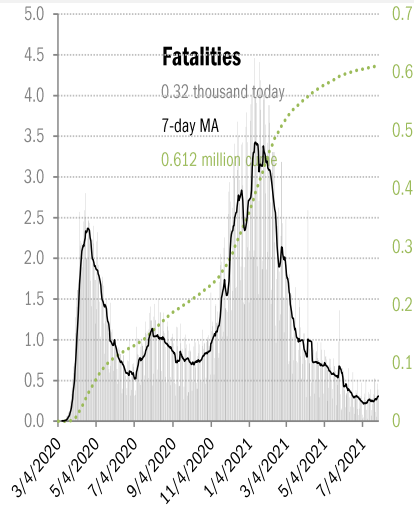
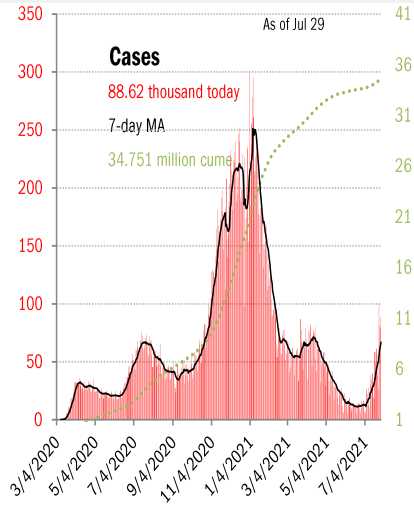
The demographics of US vaccination



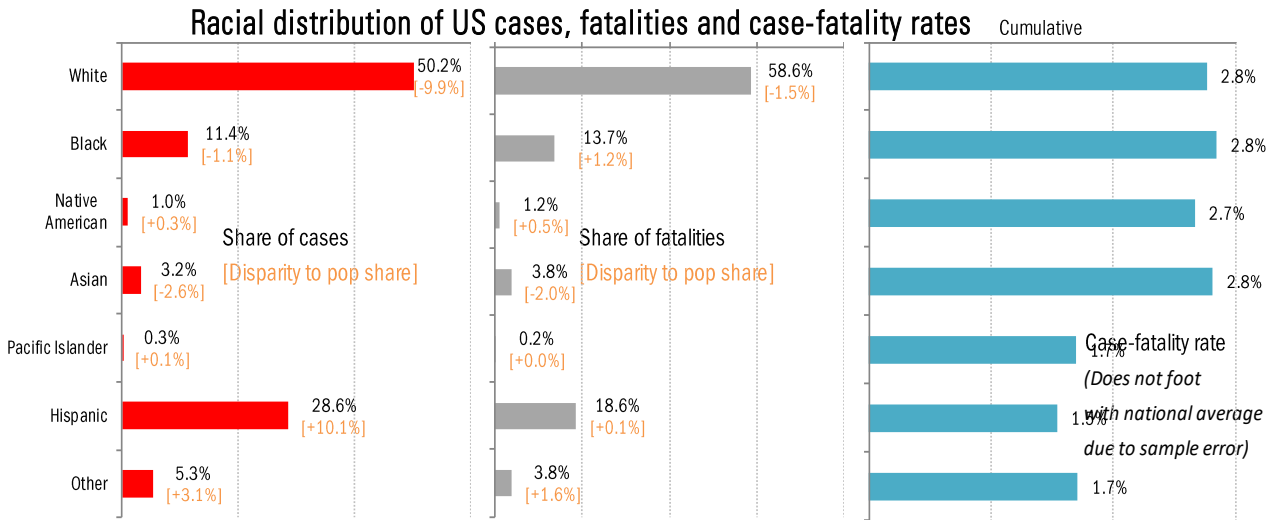
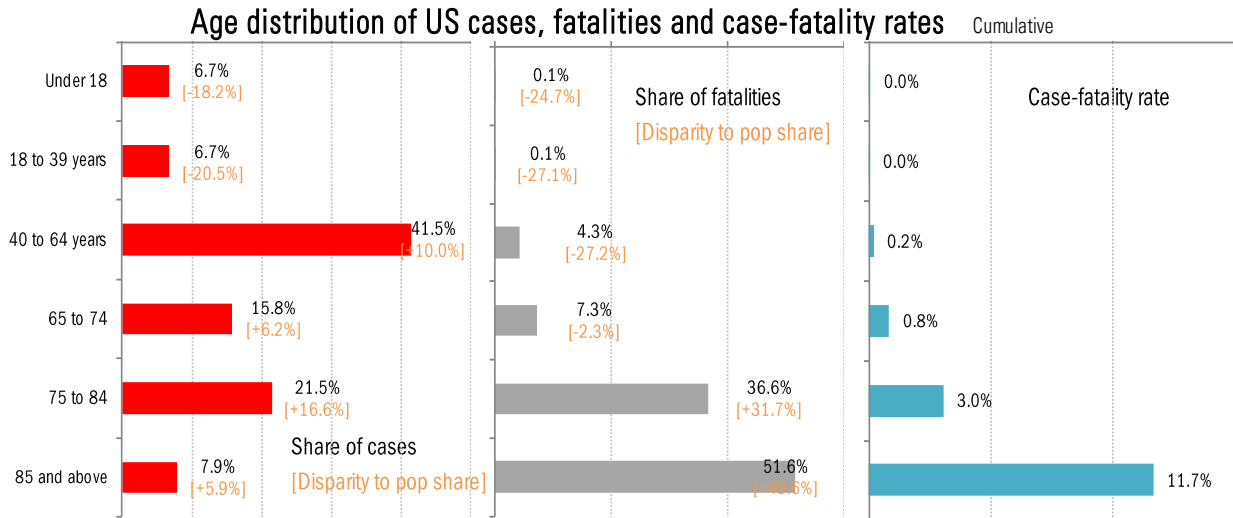
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

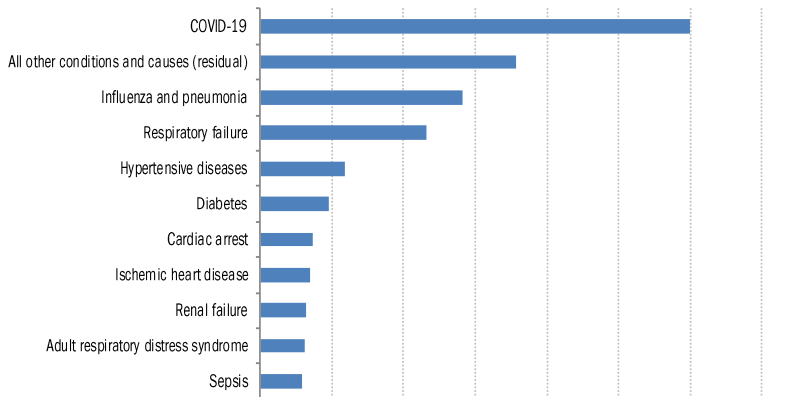


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

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

[Biden's Power Over Shots Hits a Wall in Fight to Curb Delta](#)

Jenny Leonard and Skylar Woodhouse
Bloomberg
July 30, 2021

[Surge raises suspicions migrants are propelling COVID-19 outbreaks](#)

Cassidy Morrison
Washington Examiner
July 29, 2021

[Republican governors revolt against CDC mask guidance](#)

Reid Wilson
The Hill
July 28, 2021

[55% Believe Lockdowns Did More Harm Than Good; 38% Disagree](#)

Scott Rasmussen
Rasmussen
July 27, 2021

Meme of the day

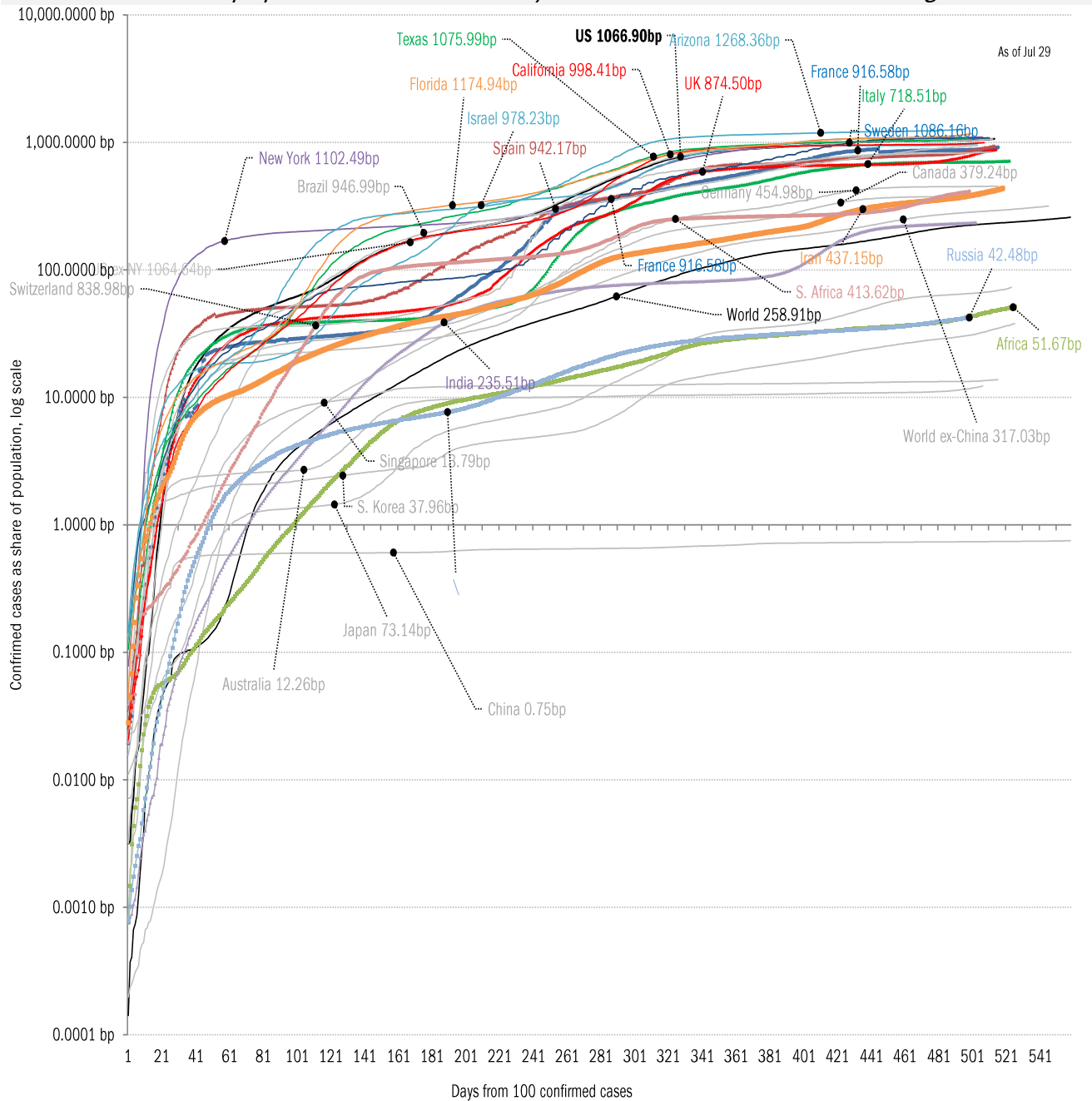
To Defeat Delta Variant, Experts Recommend Doing All The Things That Didn't Work The First Time

July 26th, 2021 - BabylonBee.com



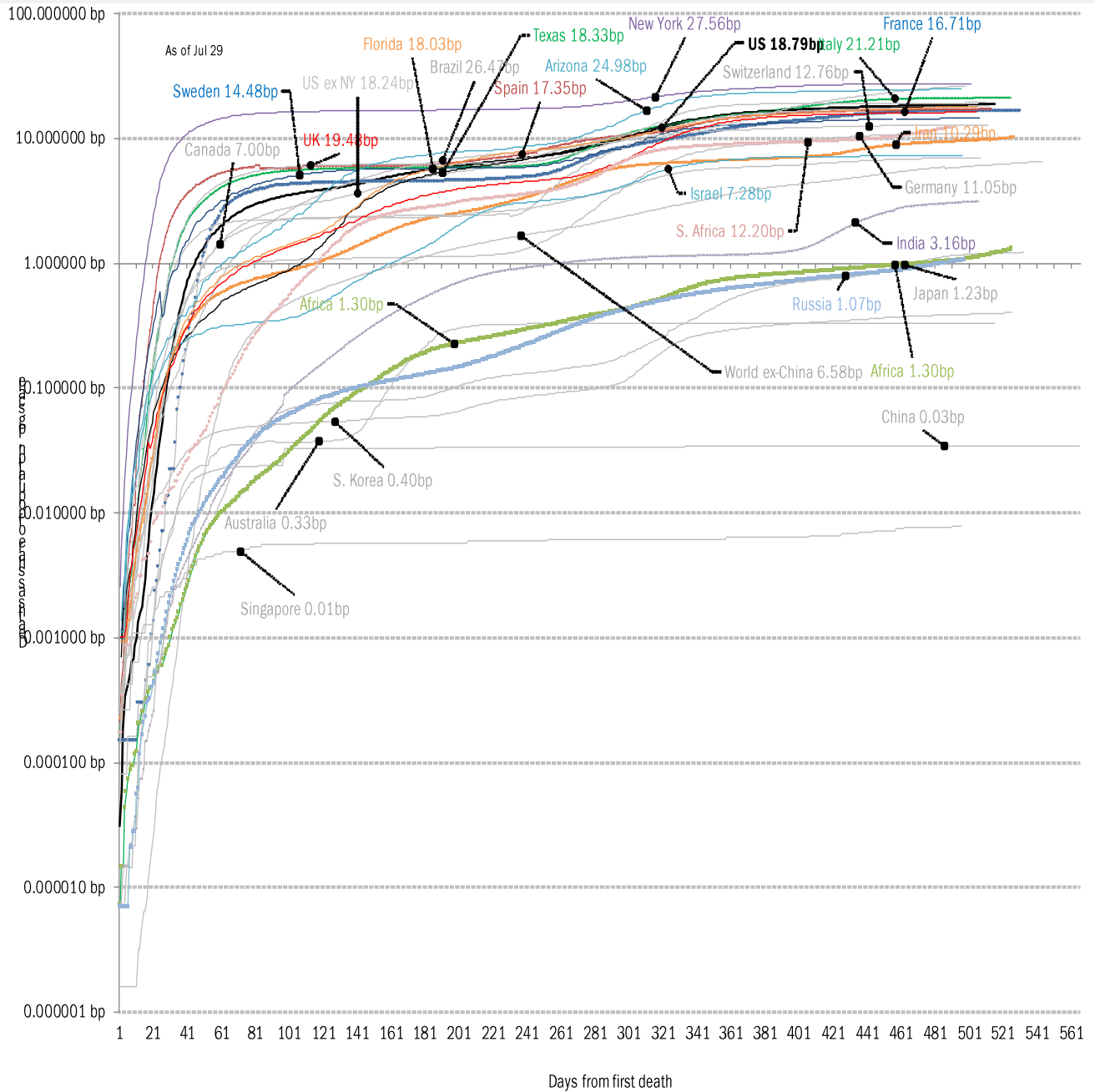
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

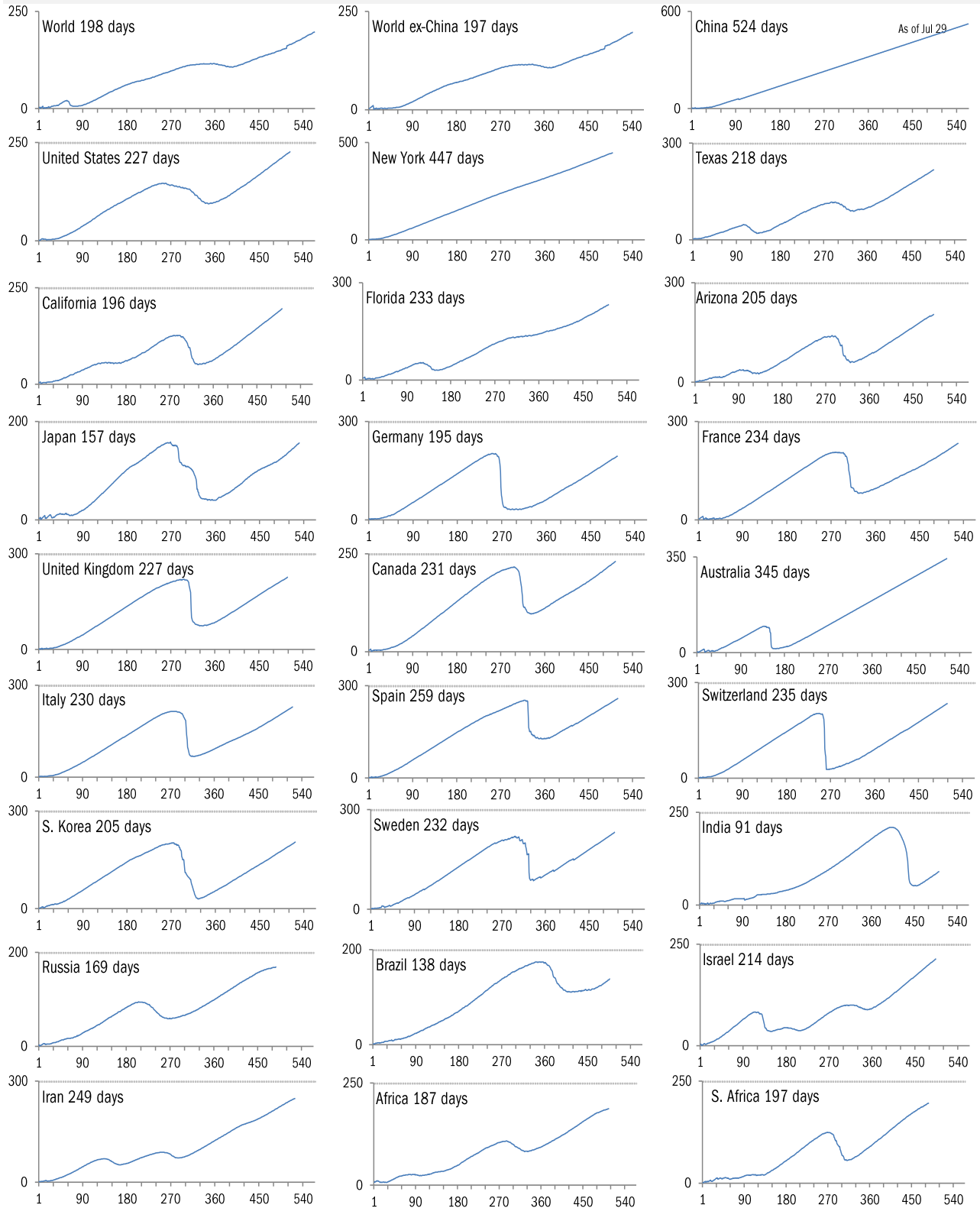


Source: [Johns Hopkins](#), TrendMacro calculations

"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

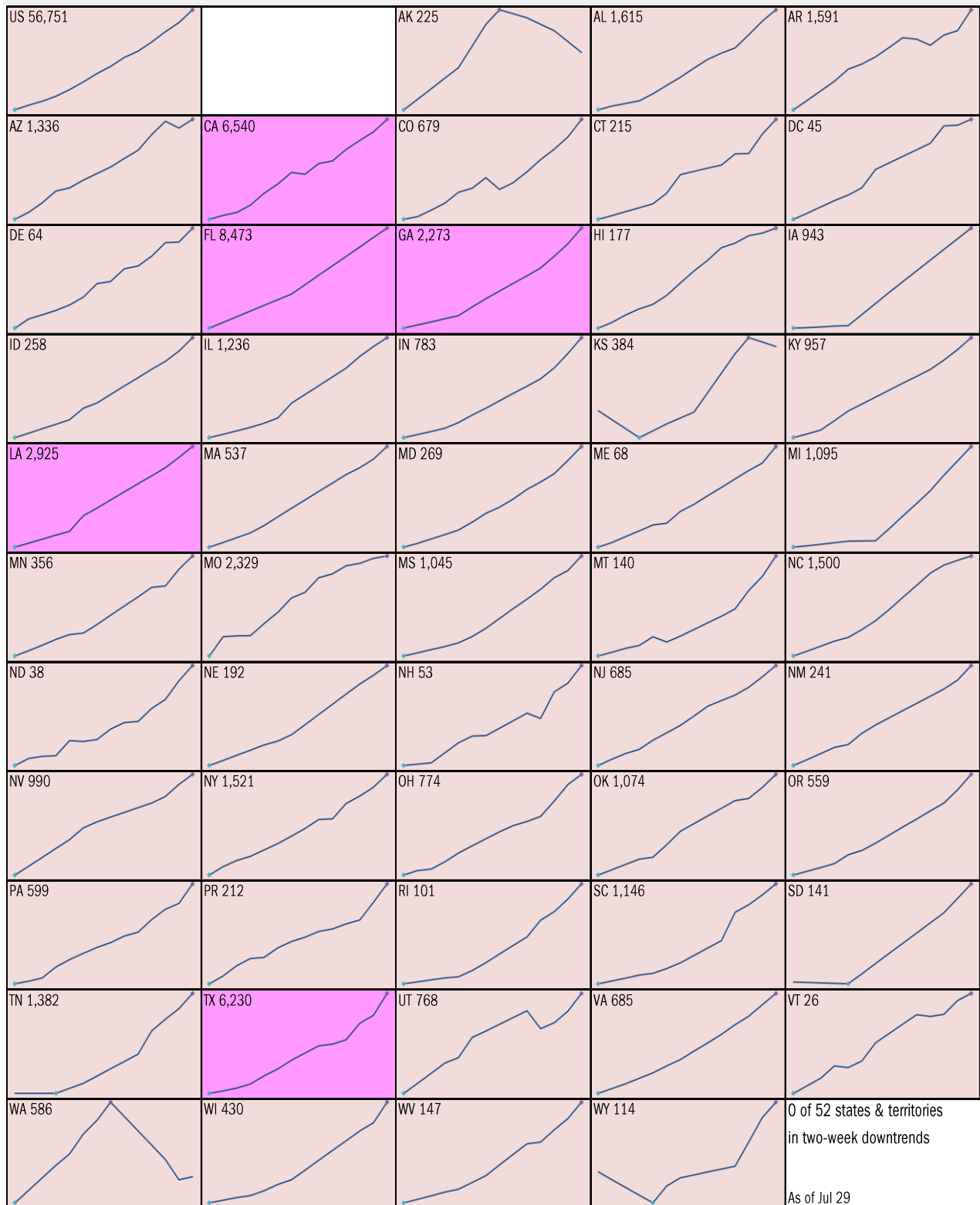


Source: [Johns Hopkins](#), TrendMacro calculations

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

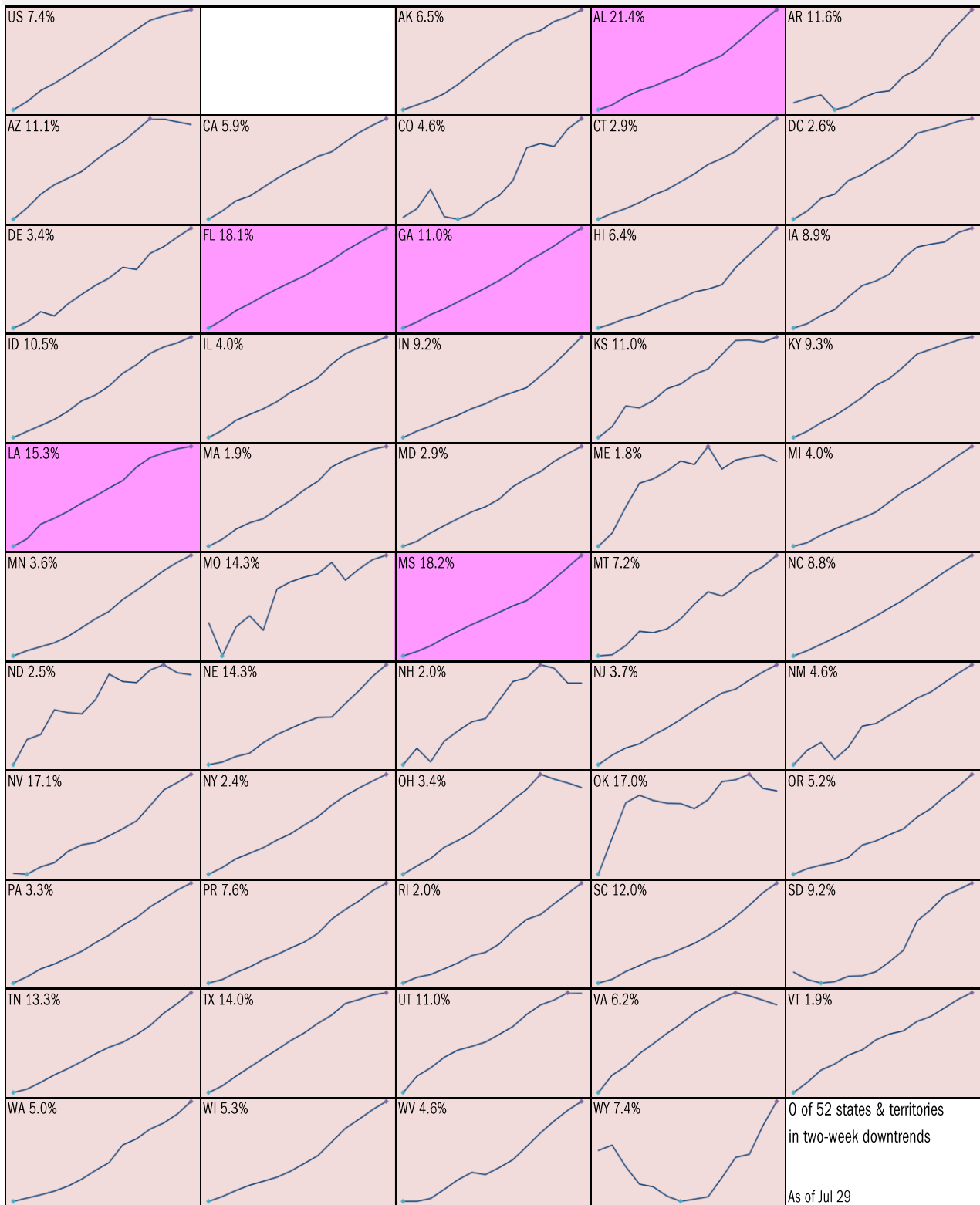


Source: [Johns Hopkins](#), TrendMacro calculations

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

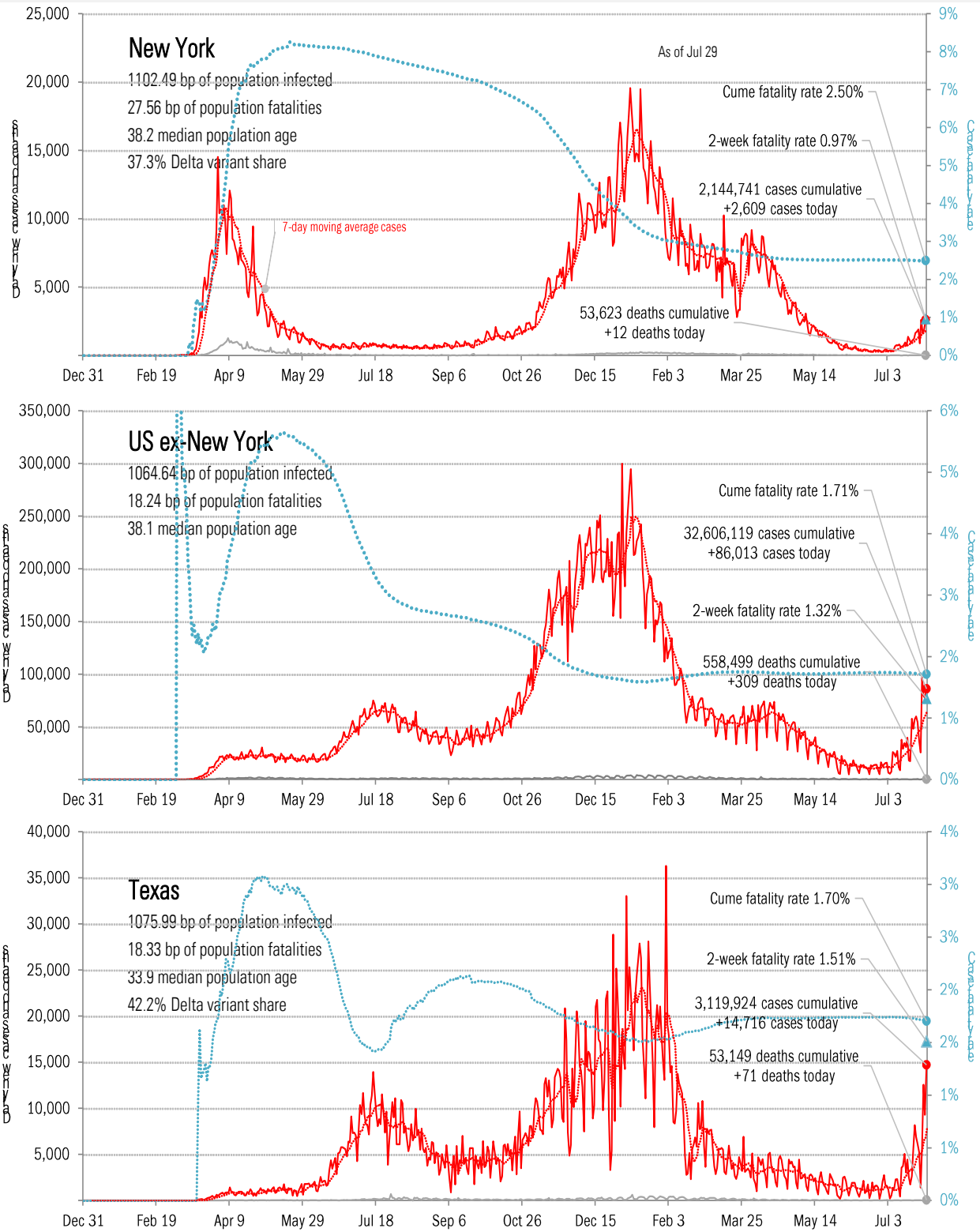
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



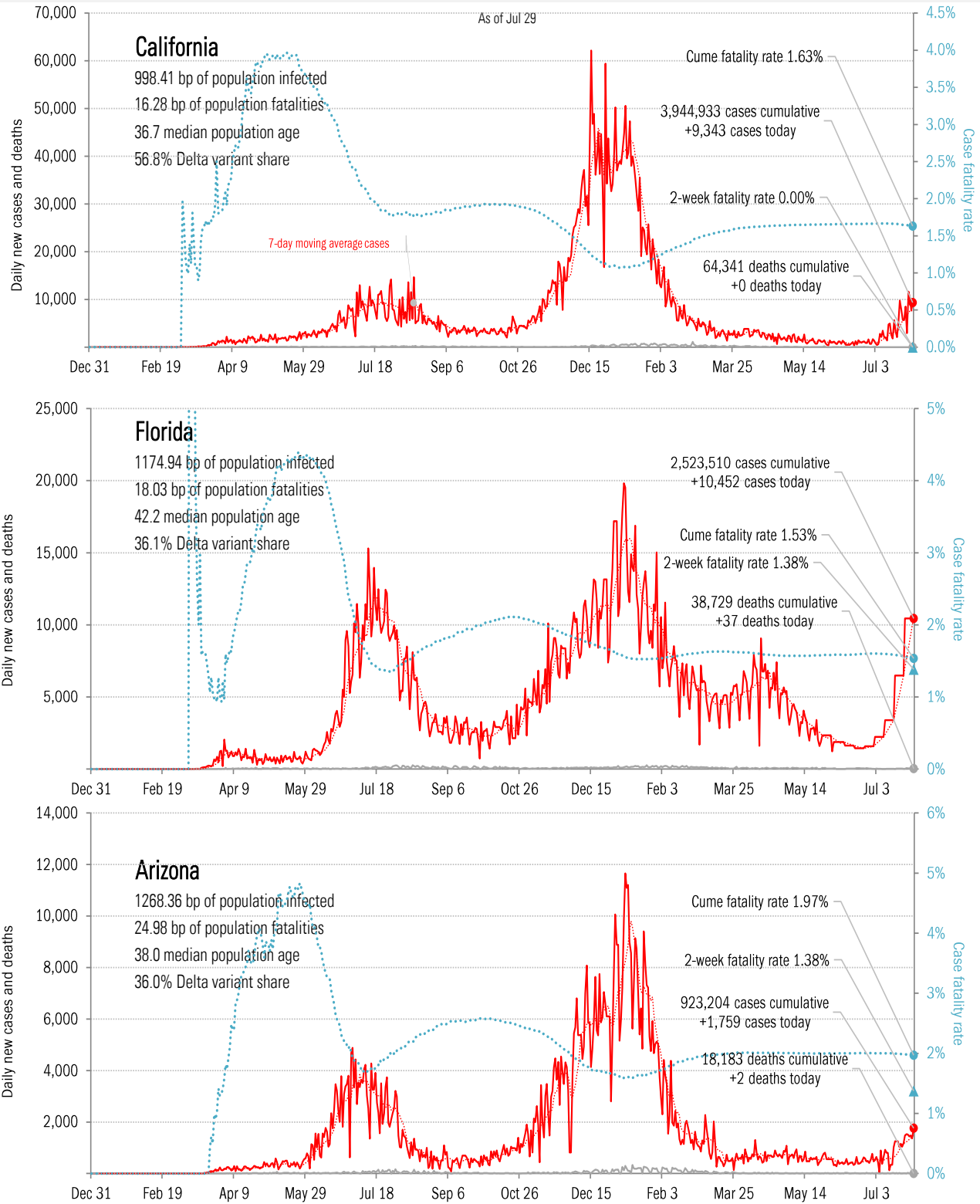
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



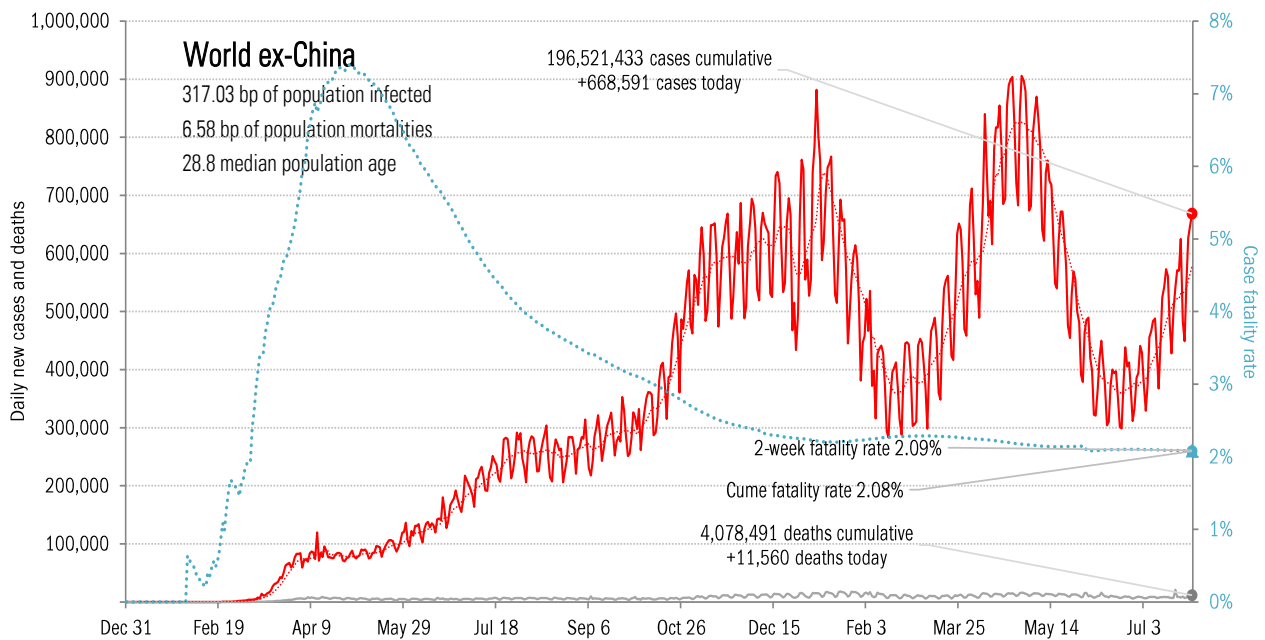
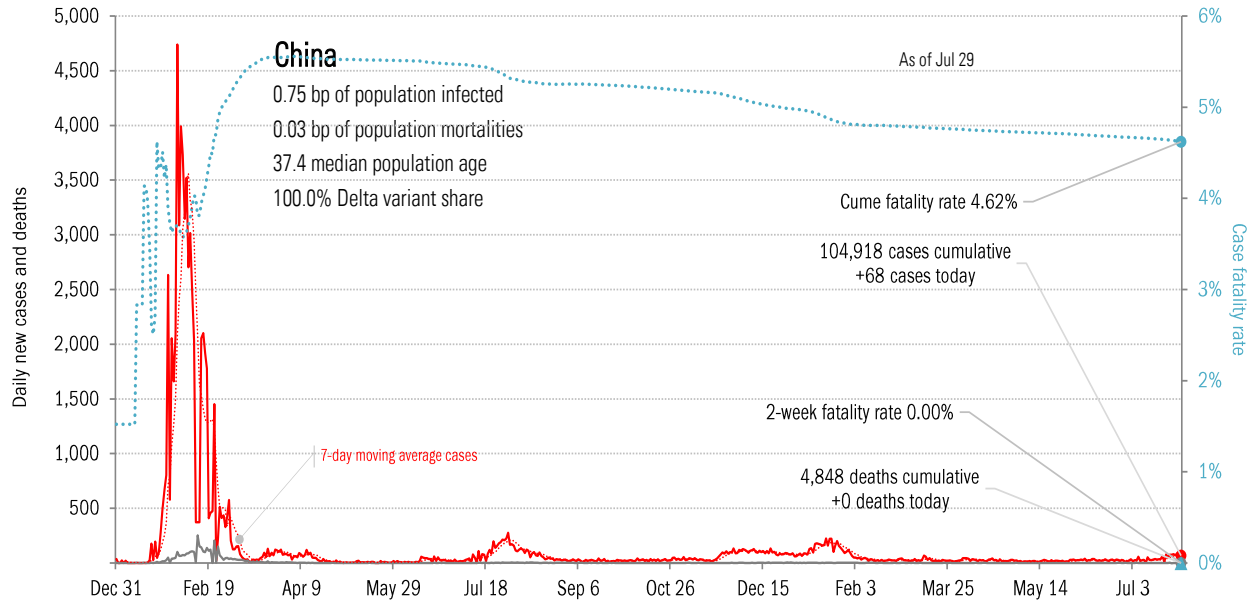
Source: [Johns Hopkins](#), TrendMacro calculations

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



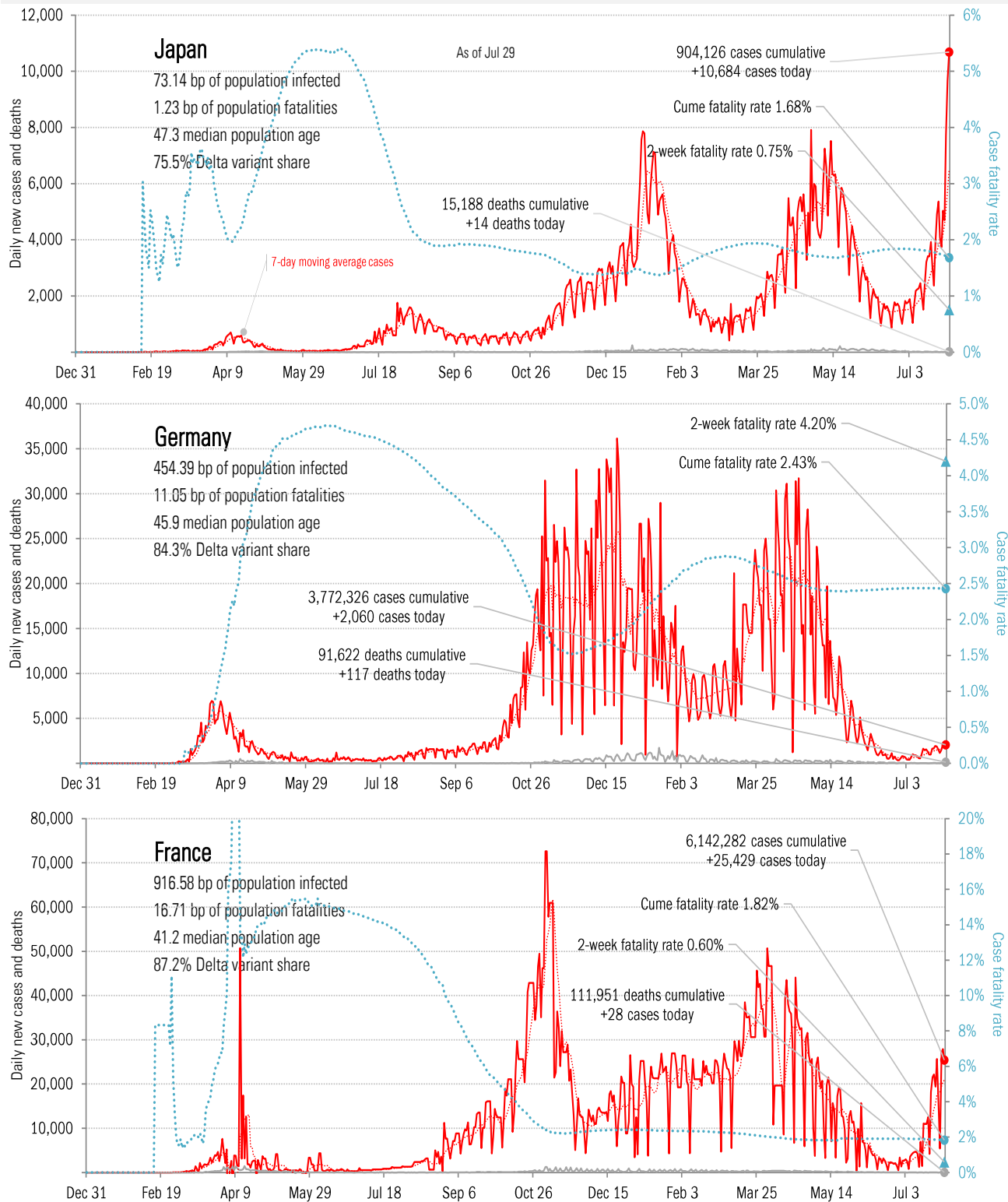
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



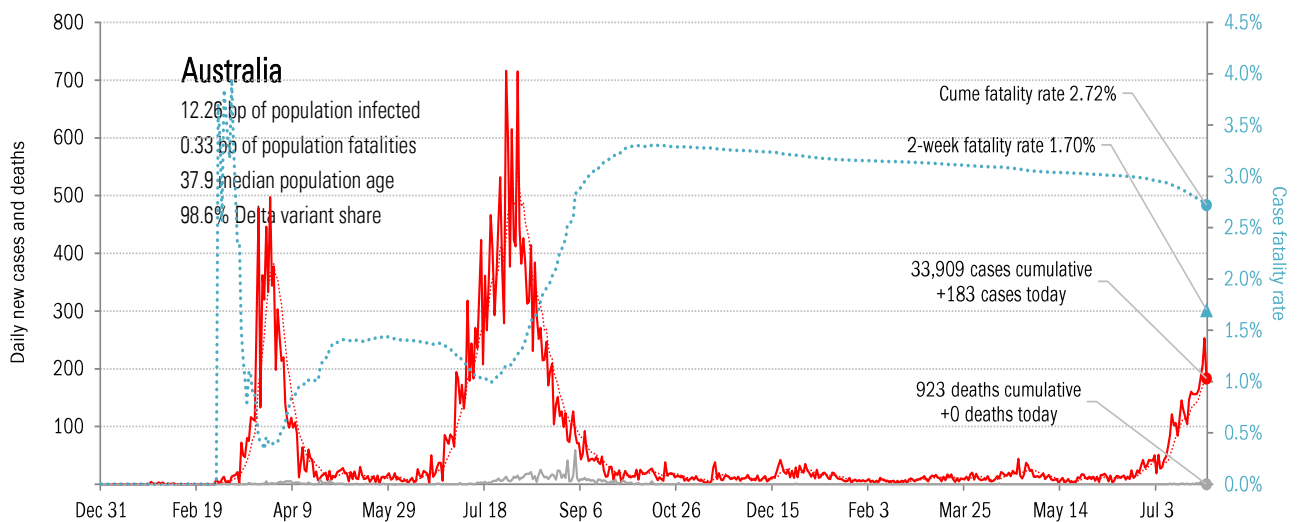
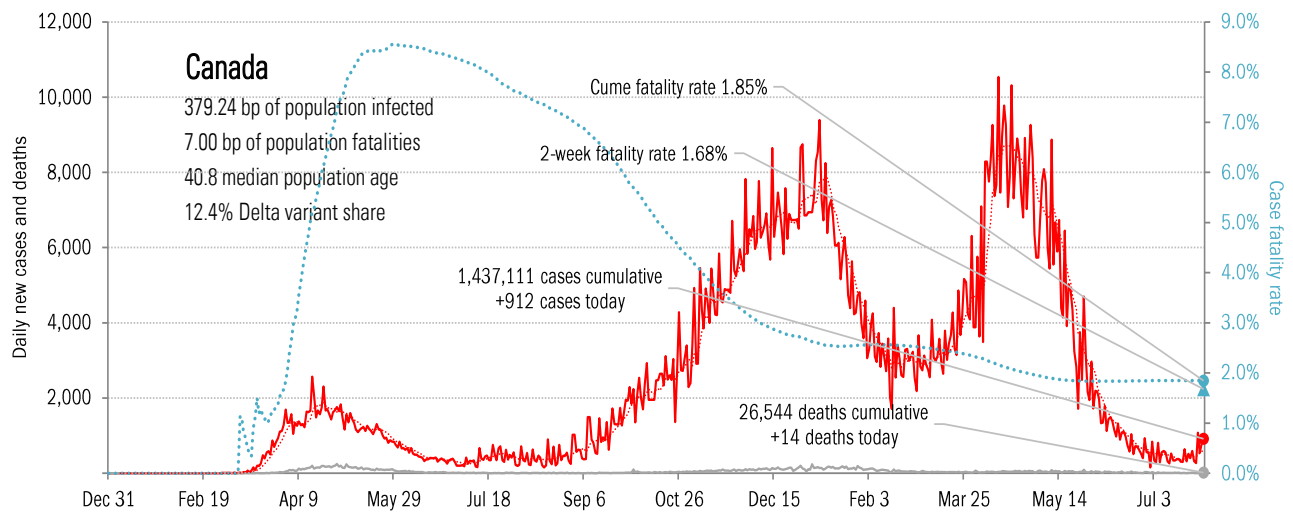
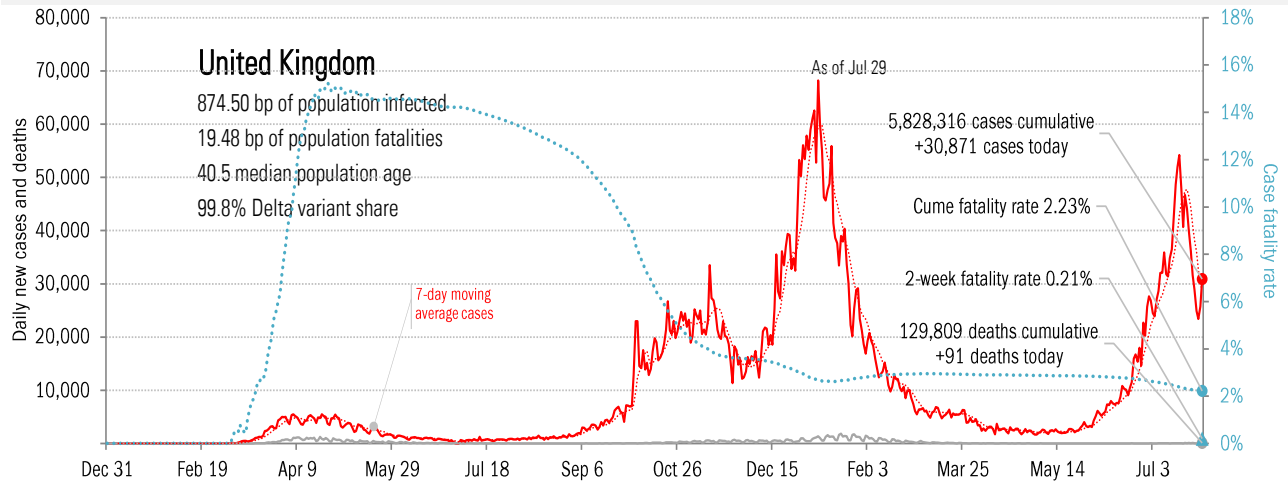
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



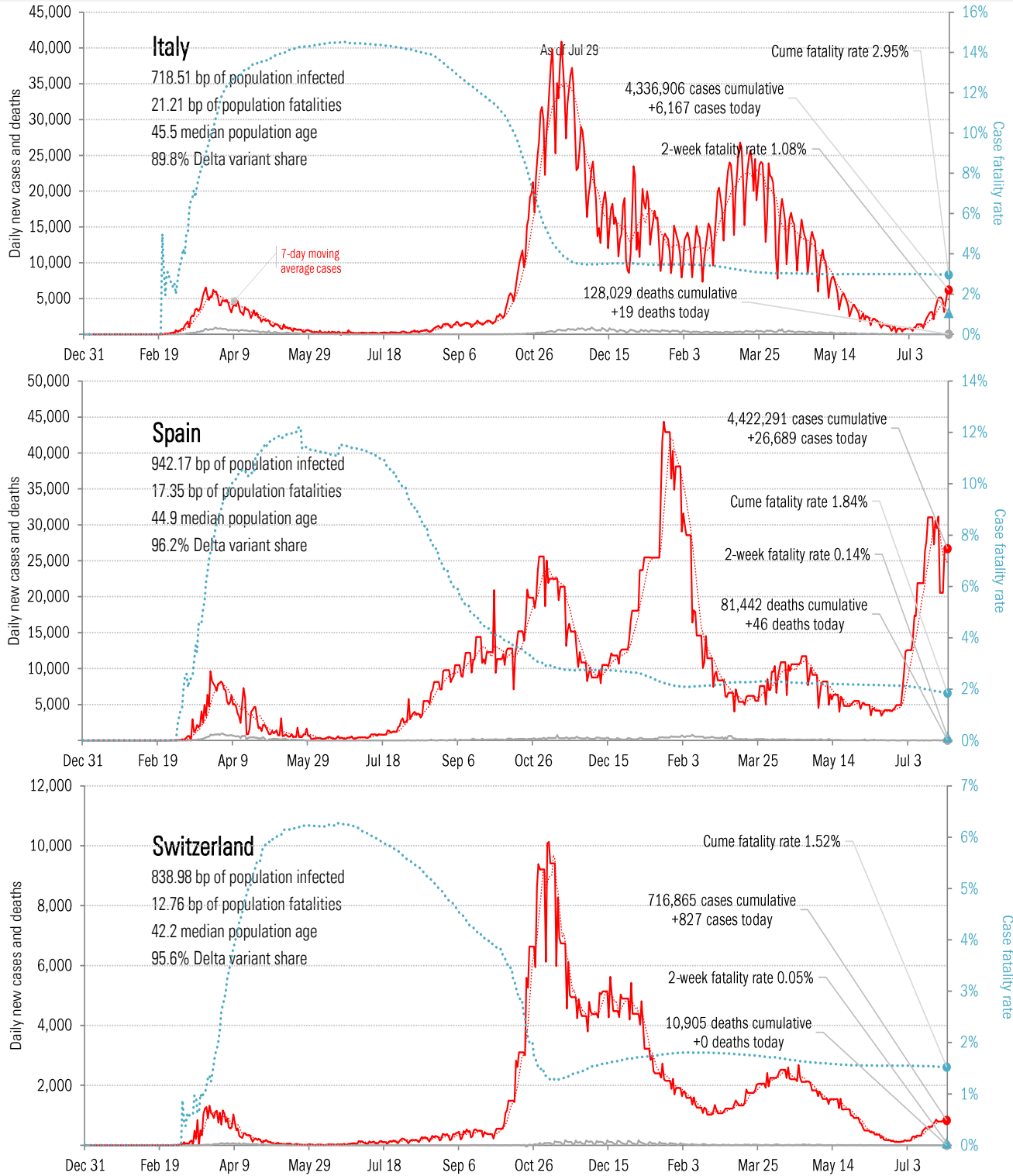
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



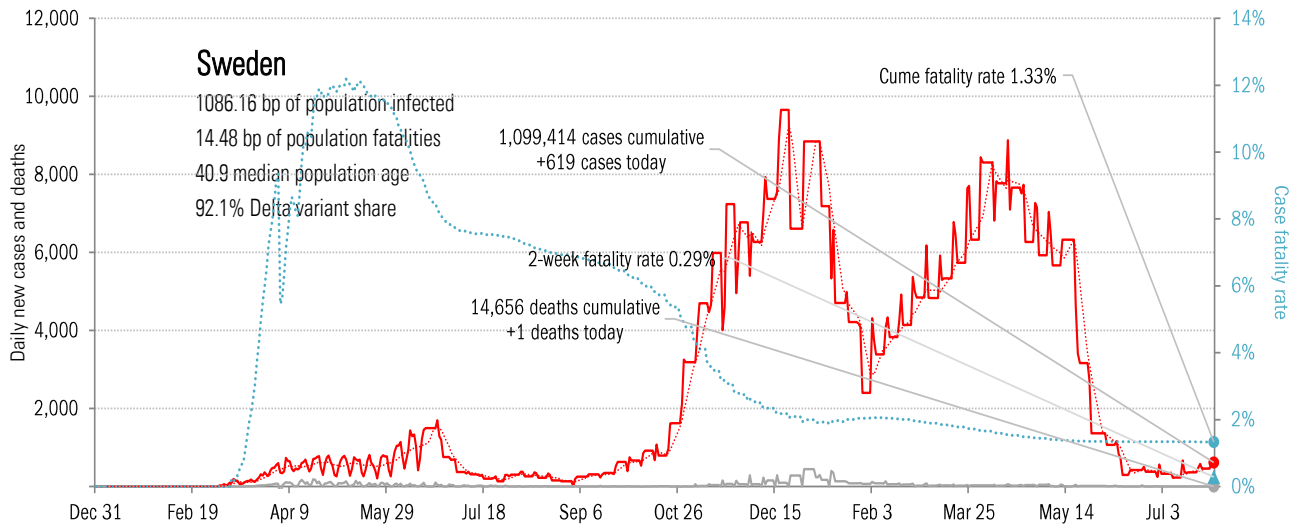
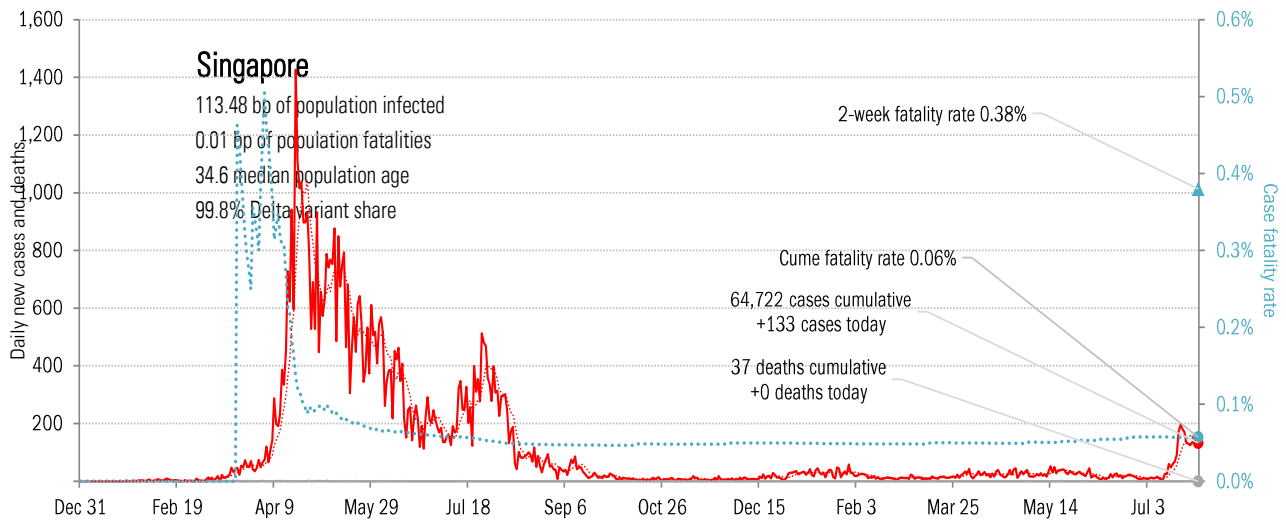
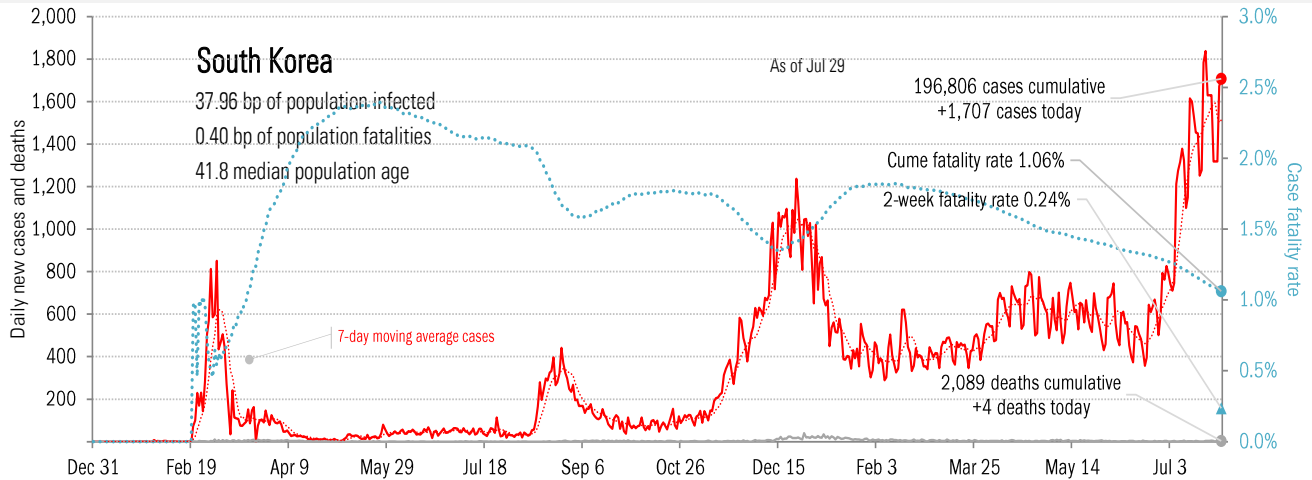
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



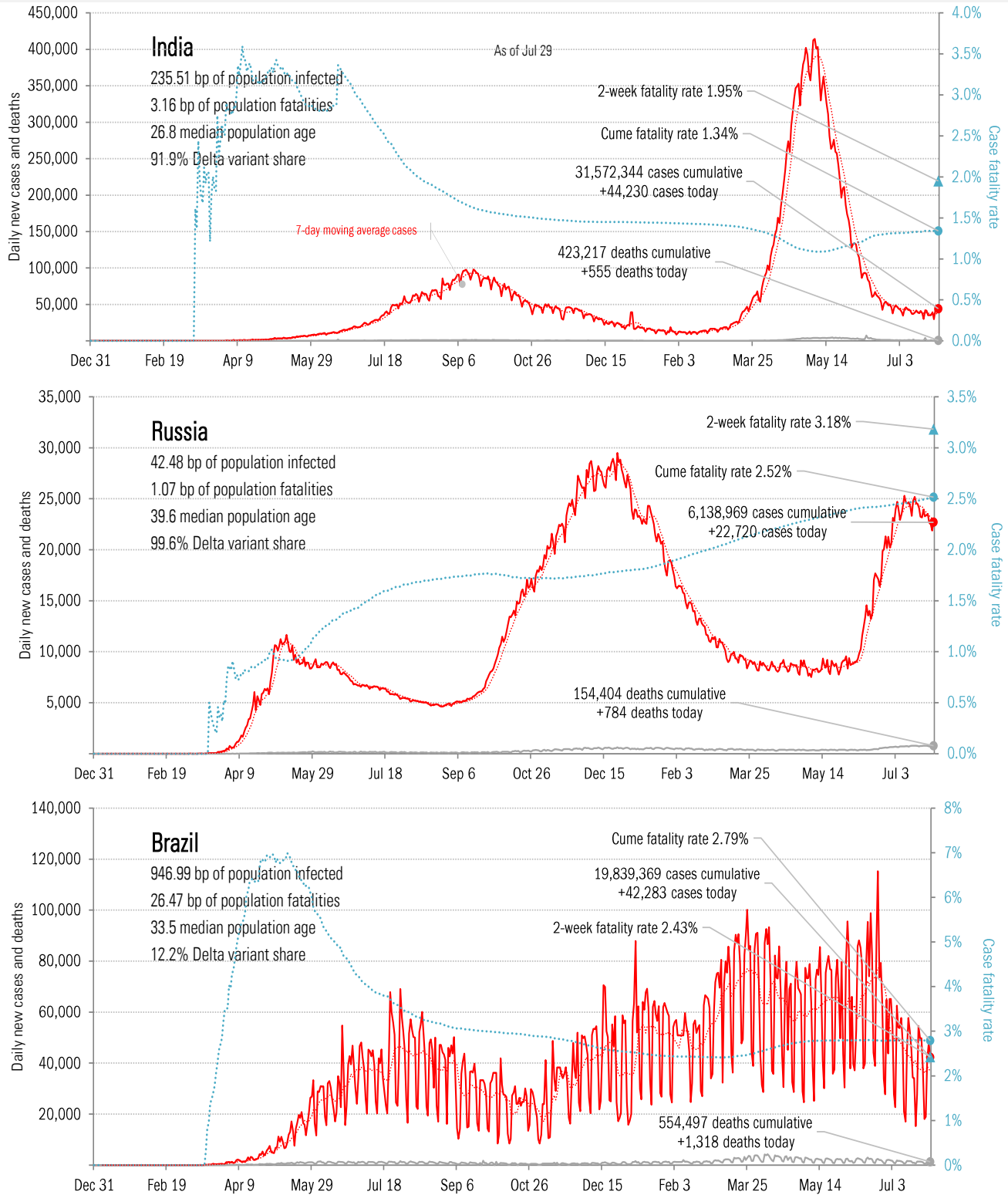
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



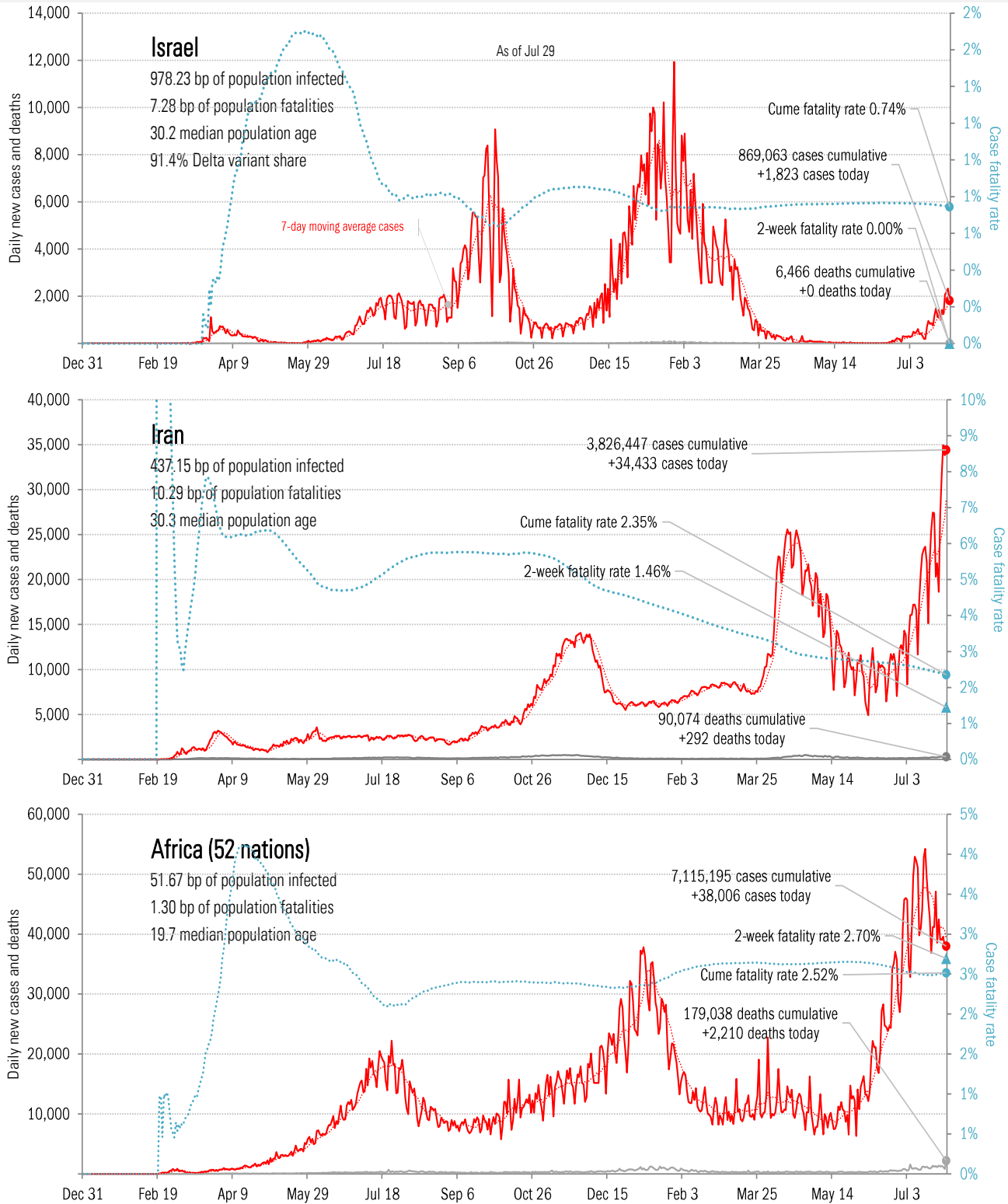
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



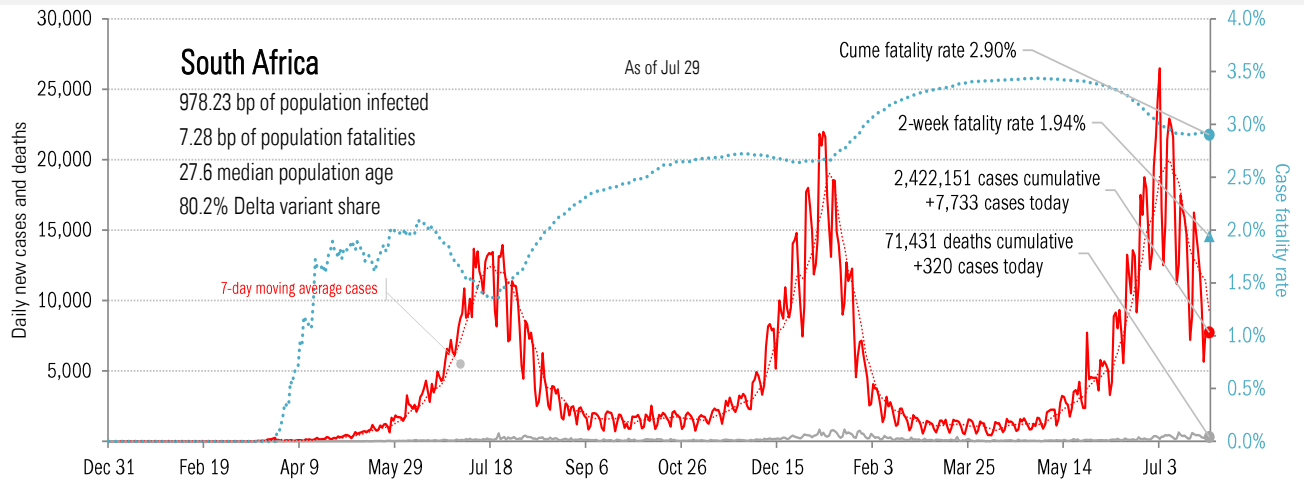
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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