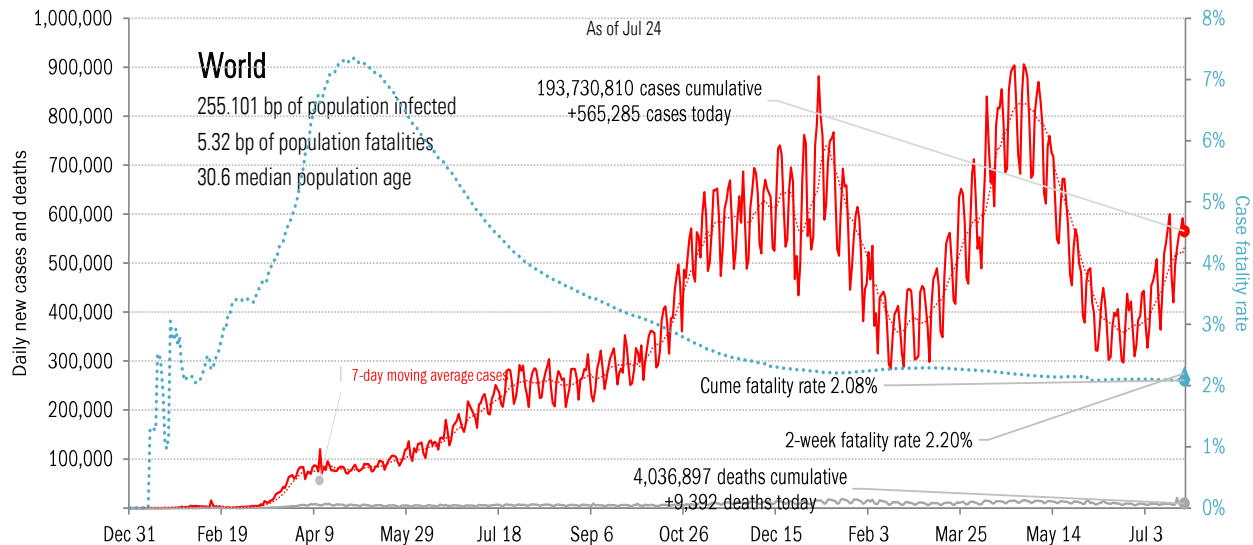
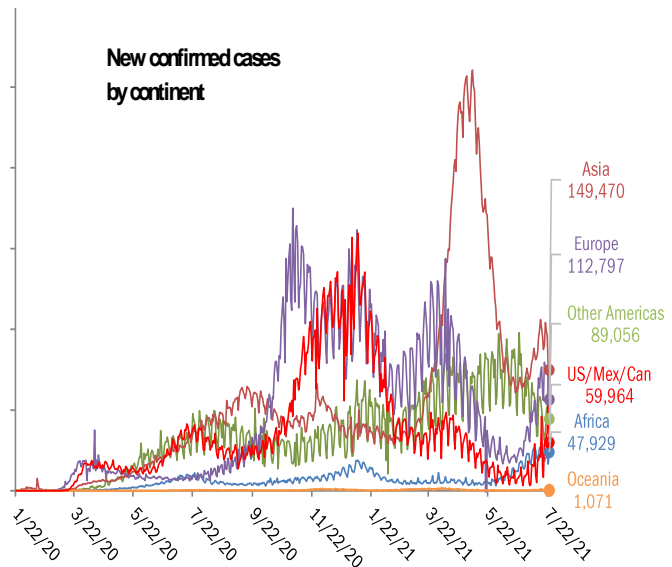


Data Insights: Covid-2019 Monitor

Sunday, July 25, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+78,839	Indonesia	+1,415
Indonesia	+45,416	Brazil	+1,108
Brazil	+38,091	India	+1,081
Mexico	+32,244	Russia	+787
United Kingdom	+31,624	Mexico	+690
United States	+27,395	South Africa	+413
France	+25,677	Colombia	+350
Russia	+23,395	Tunisia	+317
Iran	+18,632	Burma	+297
Vietnam	+16,644	Iran	+259
+337,957		+6,717	
World	+565,285	World	+9,392
Top ten	60%	Top ten	72%



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

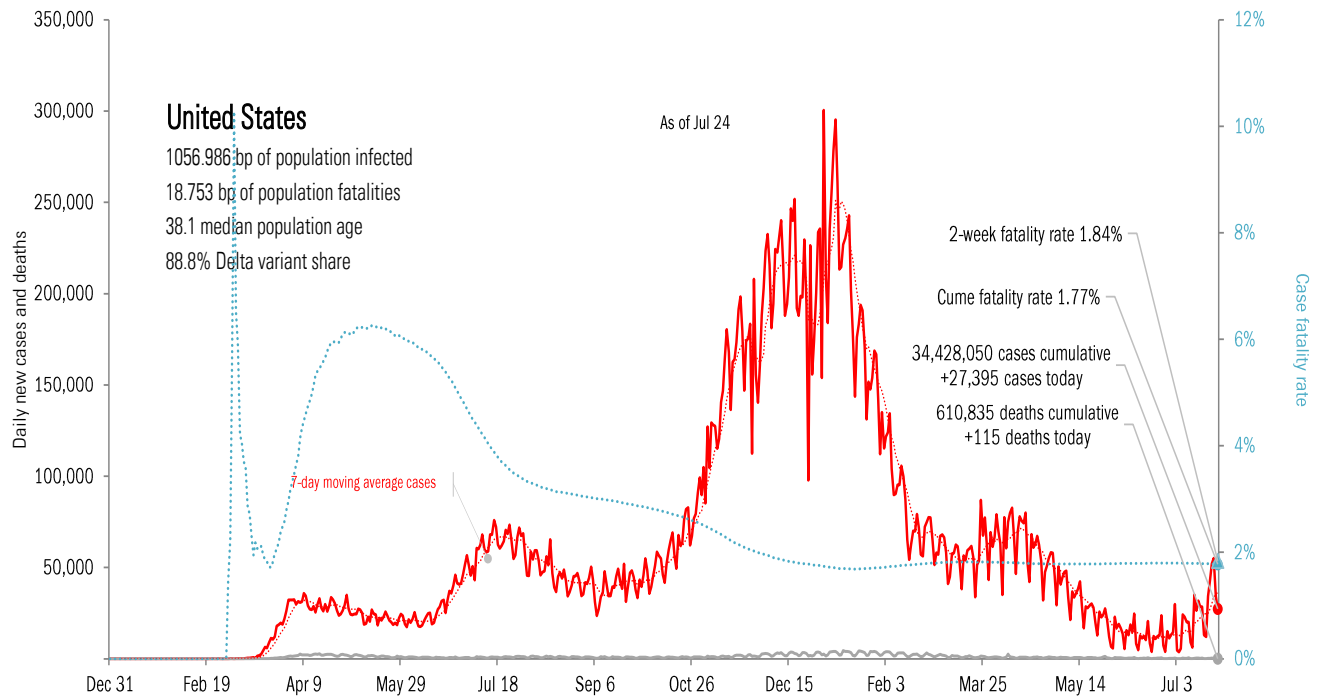
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+16,945		FL	+61		FL	+433		CA	3,903,052		CA	64,231		TX	264,374		RI	94%	MO	30%
CA	+8,496		AZ	+26		KY	+247		TX	3,076,115		NY	53,804		CA	247,246		MA	85%	AR	27%
TX	+5,212		TX	+24		GA	+196		FL	2,488,888		TX	53,006		FL	203,472		MO	84%	NV	24%
MO	+3,238		WA	+12		TX	+182		NY	2,135,161		FL	38,499		NY	138,130		MD	84%	FL	23%
AR	+2,015		AL	+11		CA	+125		IL	1,407,929		PA	27,823		GA	112,999		FL	83%	UT	22%
NY	+1,897		MO	+10		AL	+86		PA	1,224,028		NJ	26,573		PA	92,705		GA	82%	MS	22%
AL	+1,888		AR	+7		LA	+80		GA	1,157,705		IL	25,834		CH	89,345		PA	81%	TX	18%
AZ	+1,528		ME	+6		NC	+50		CH	1,121,609		GA	21,614		IL	84,235		NV	80%	OK	18%
NJ	+861		MD	+5		AR	+40		NJ	1,033,116		MI	21,146		KY	81,212		CT	80%	AK	17%
CH	+687		NJ	+5		MO	+37		NC	1,031,929		CH	20,467		MI	74,003		MN	79%	WY	15%
+42,767			+167			+1,476			18,579,532			352,997			1,387,721						
All states	+44,340		+176			+1769			All states	34,428,050		610,835			2,470,591			All states	70%	67%	
Top ten	96%		95%			83%			Top ten	54%		58%			56%			Median	73%	8%	

Some states not reporting

Five most improved US states

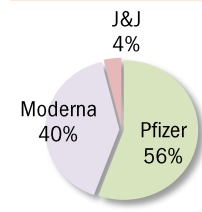
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-4,654	TX	-23	NV	-55	KS	+150 bp
LA	-3,127	KS	-22	AZ	-49	AR	+20 bp
GA	-2,497	MI	-22	KS	-36	MP	+20 bp
NC	-1,998	NV	-20	UT	-28	MS	+20 bp
MI	-1,730	CH	-18	TN	-23	NE	+20 bp



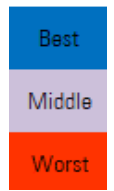
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	350,886,086		+0.687 million		US	48.7%	56.2%	
	One dose	% Pop	Immune	% pop	New immune today	UK	54.4%	68.5%
Total population	192,727,213	58%	166,989,156	50%	+0.294 million	France	44.1%	57.8%
Age 12 to 17	10,164,609	40%	7,960,236	31%	+0.053 million	Spain	54.3%	65.2%
Age 18 to 64	131,820,584	65%	113,766,452	56%	+0.208 million	Germany	48.7%	60.3%
Age 65 and over	50,519,059	92%	45,132,979	83%	+0.034 million	Italy	47.9%	61.7%



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



Every American >18 immune in **192 days** by Feb 1, 2022
 61.5% of population >18 immunized
 11.7% previously tested positive
73.3% vs 60% adult herd immunity*

Australia	12.8%	30.4%
Israel	61.2%	66.5%
Canada	54.7%	70.8%
Japan	23.2%	35.3%
Africa	1.6%	3.0%
India	6.7%	24.7%
Brazil	17.5%	46.4%

Global data differs from sources, timing

AK
51.0%
45.2%

WI
55.1%
51.4%

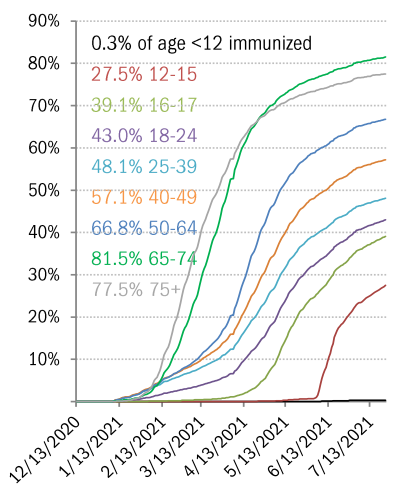
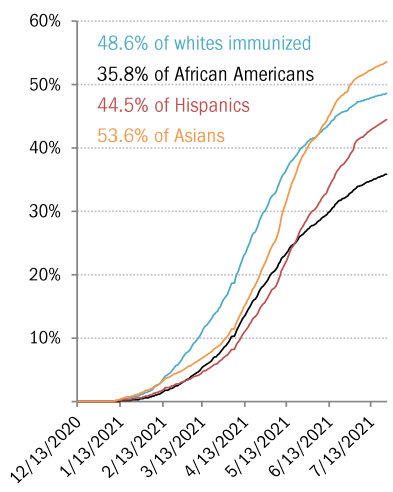
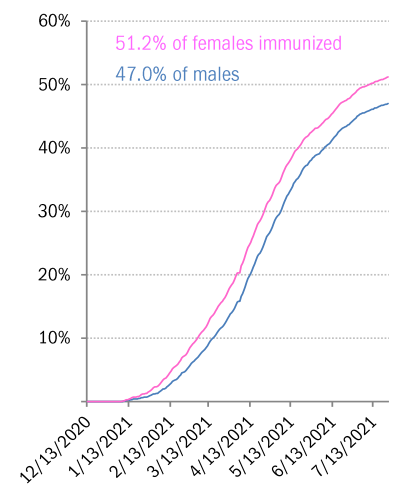
As of Jul 24

China NA

ME
67.9%
63.2%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
63.3%	40.7%	48.9%	45.0%	58.3%	61.5%	52.7%	62.3%	75.2%	64.2%	
57.1%	37.1%	44.1%	39.9%	53.4%	48.1%	48.6%	56.5%	67.2%	57.9%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
60.1%	52.6%	41.1%	52.1%	52.7%	46.6%	49.4%	64.8%	65.1%	72.1%	
55.5%	43.8%	36.3%	46.6%	49.3%	43.9%	46.1%	51.8%	57.6%	63.5%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
63.9%	51.3%	59.7%	53.2%	47.6%	51.2%	45.9%	61.0%	64.0%	69.1%	66.4%
52.2%	44.2%	53.9%	49.1%	40.7%	45.1%	38.9%	54.0%	58.3%	62.8%	60.9%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
52.3%	64.7%	52.4%	45.2%	43.9%	50.4%	45.9%	63.3%	60.0%		
44.8%	56.6%	44.8%	35.9%	38.7%	43.4%	40.2%	54.3%	52.2%		
OK	LA	MS	AL	GA						
46.9%	40.7%	38.6%	41.8%	45.1%						
39.9%	36.5%	34.2%	34.0%	38.0%						
TX										
50.4%										
43.2%										
HI							FL		PR	
70.9%							56.3%		68.2%	
53.2%							48.2%		59.3%	

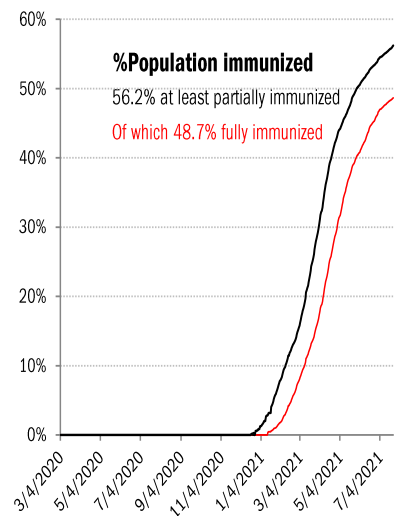
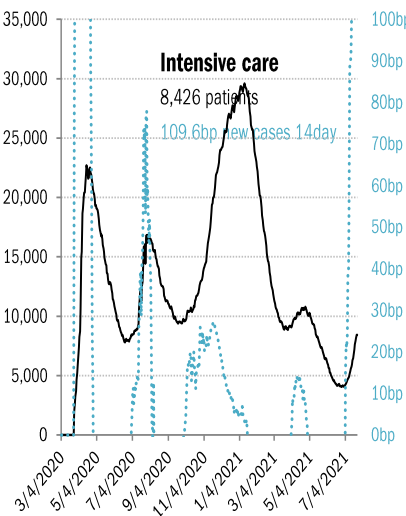
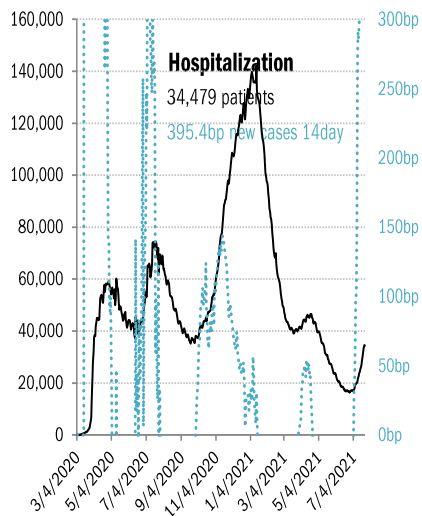
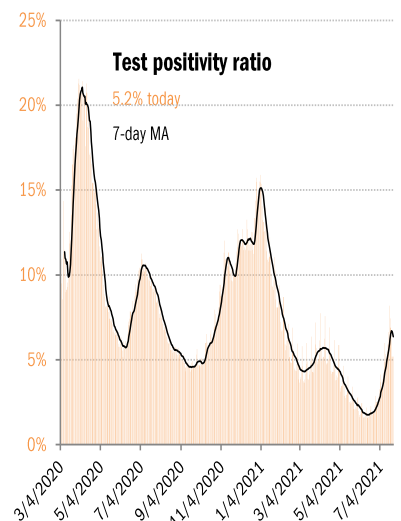
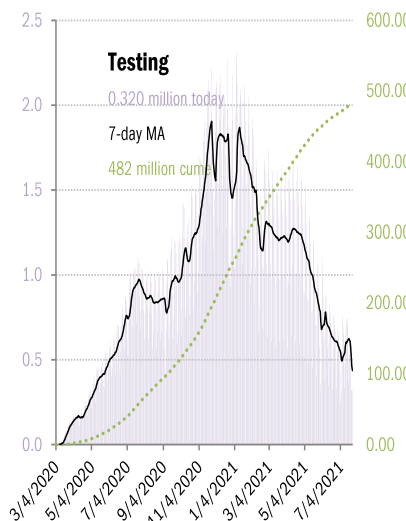
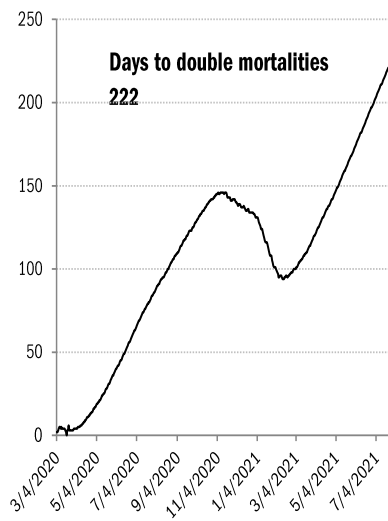
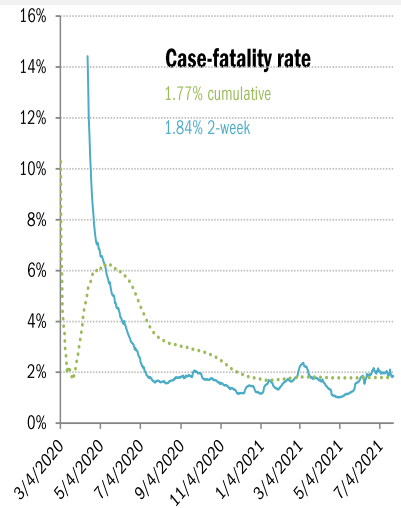
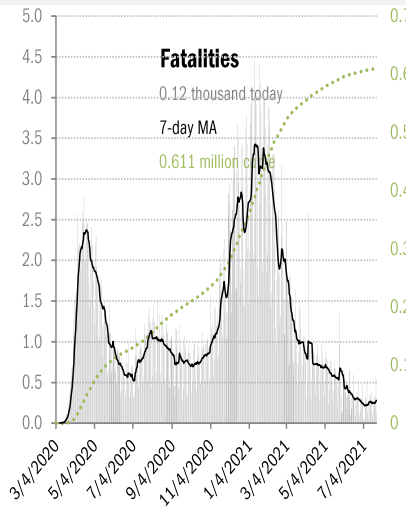
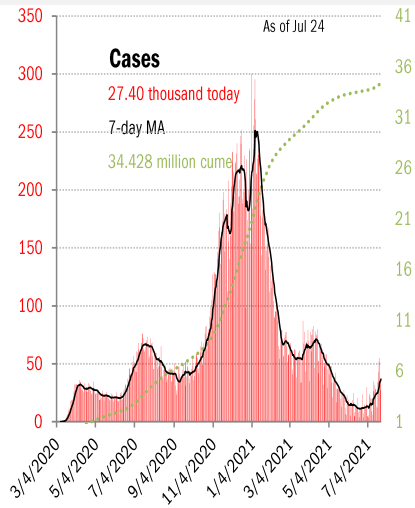
The demographics of US vaccination



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

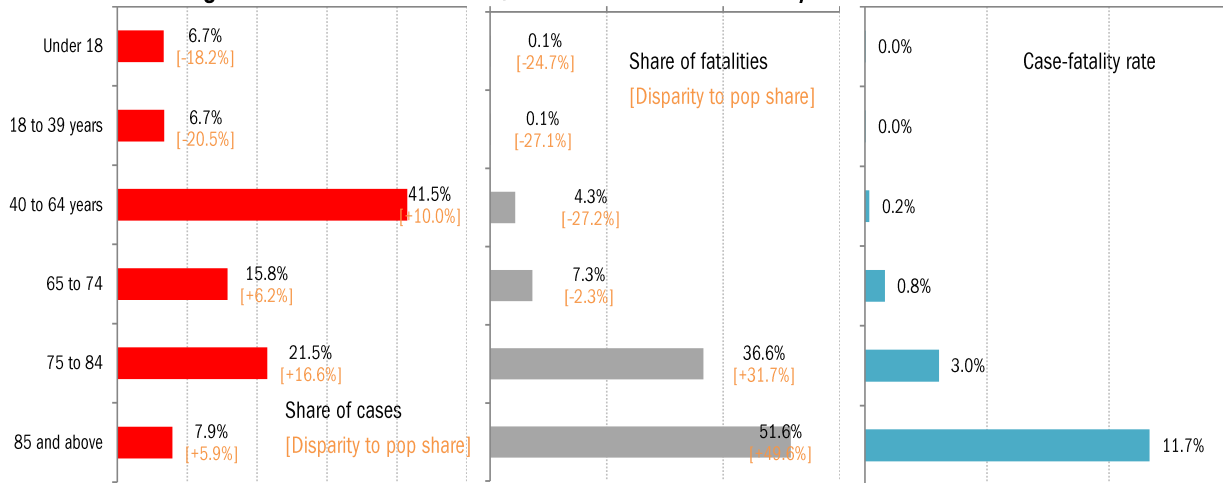
US deep-dive

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

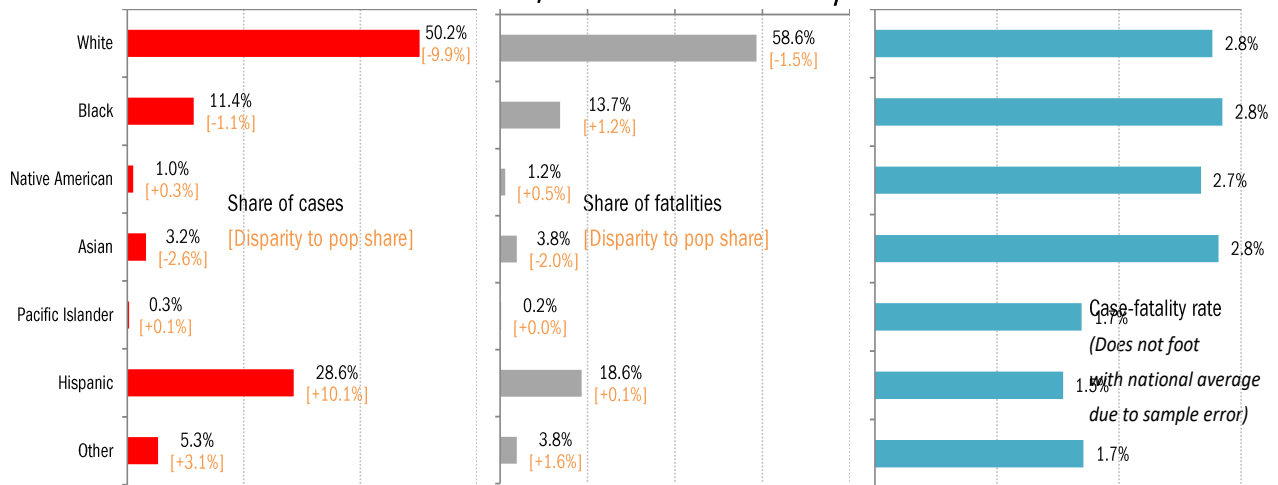


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

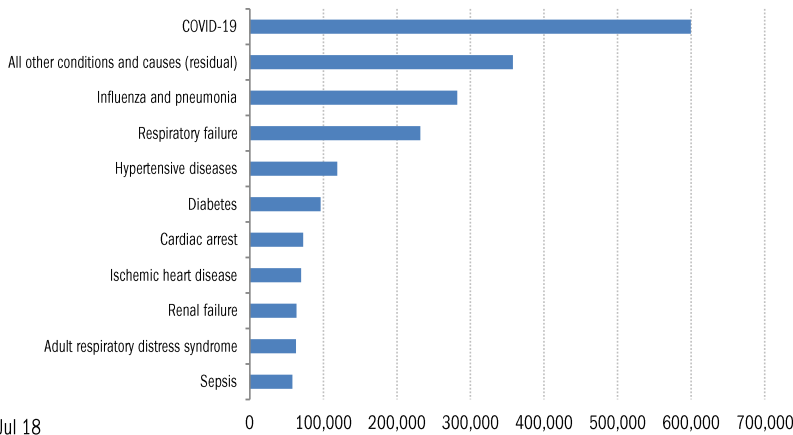


Racial distribution of US cases, fatalities and case-fatality rates Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of 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

[California parent groups sue Gavin Newsom over COVID mask mandate for schools](#)

Andrew Sheeler
Sacramento Bee
July 22, 2021

[The Most Influential Spreader of Coronavirus Misinformation Online](#)

Sheera Frenkel
New York Times
July 24, 2021

[Ninth Circuit rules against Calif. Gov. Newsom order barring private school in-person teaching](#)

Caitlin McFall
Fox News
July 24, 2021

[Viral Load of SARS-CoV-2 in Respiratory Aerosols Emitted by COVID-19 Patients while Breathing, Talking, and Singing](#)

Kristen K. Coleman et al.
medRxiv
July 19, 2021

[Conservative talk show host Larry Elder leads in crowded California gov recall race](#)

Dana Kennedy
New York Post
July 24, 2021

[New pings data suggest £4.6 billion self-isolation cost to the economy following Freedom Day](#)

Karl Thompson
CEBR
July 22, 2021

[New poll finds support climbing for Gov. Newsom recall](#)

Emilt Deruy
San Jose Mercury News
July 23, 2021

[U.K. Economy Faces \\$6.3 Billion Hit From Pingdemic, CEBR Says](#)

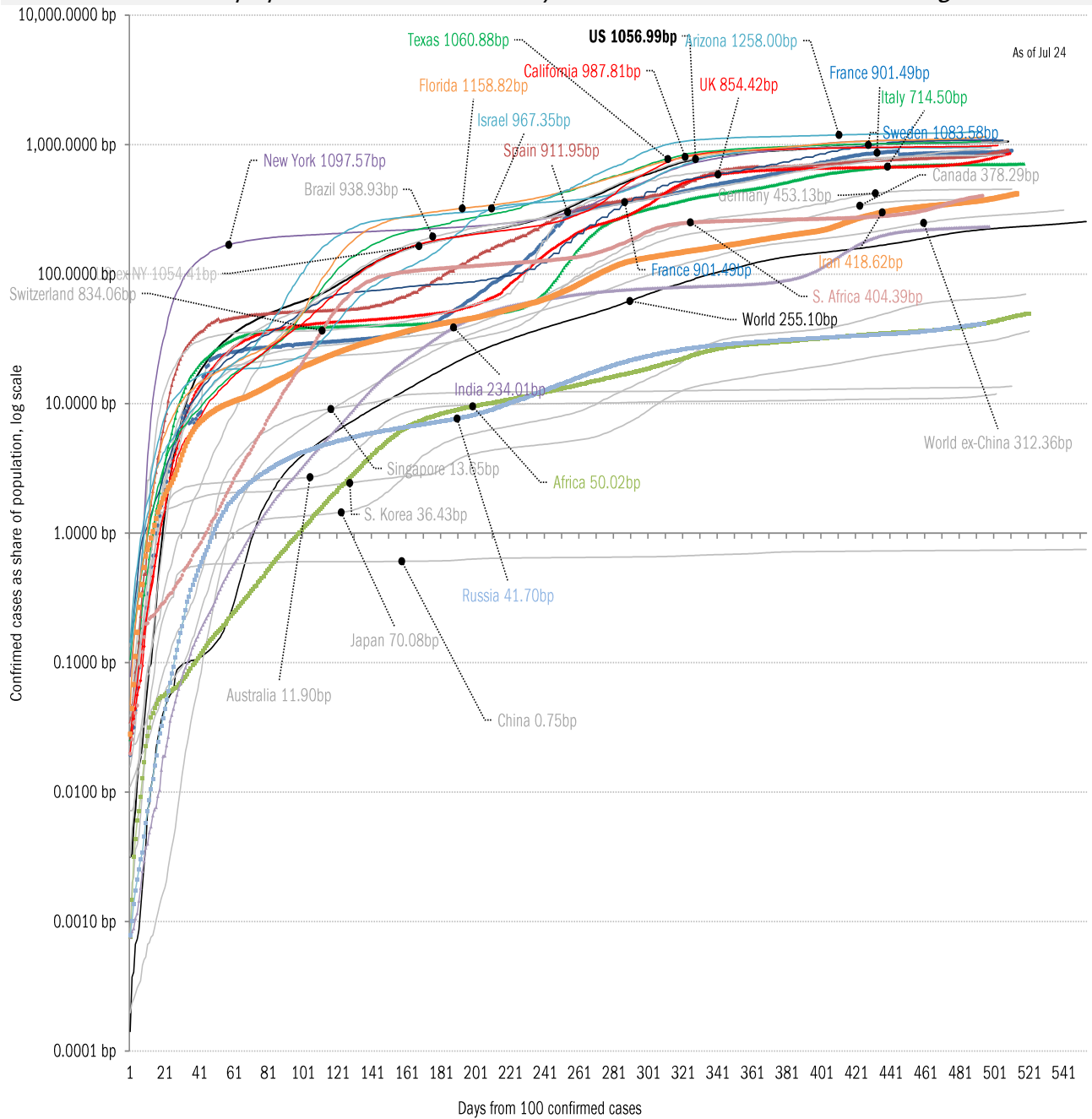
Michael Msika
Bloomberg
July 24, 2021

Meme of the day



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

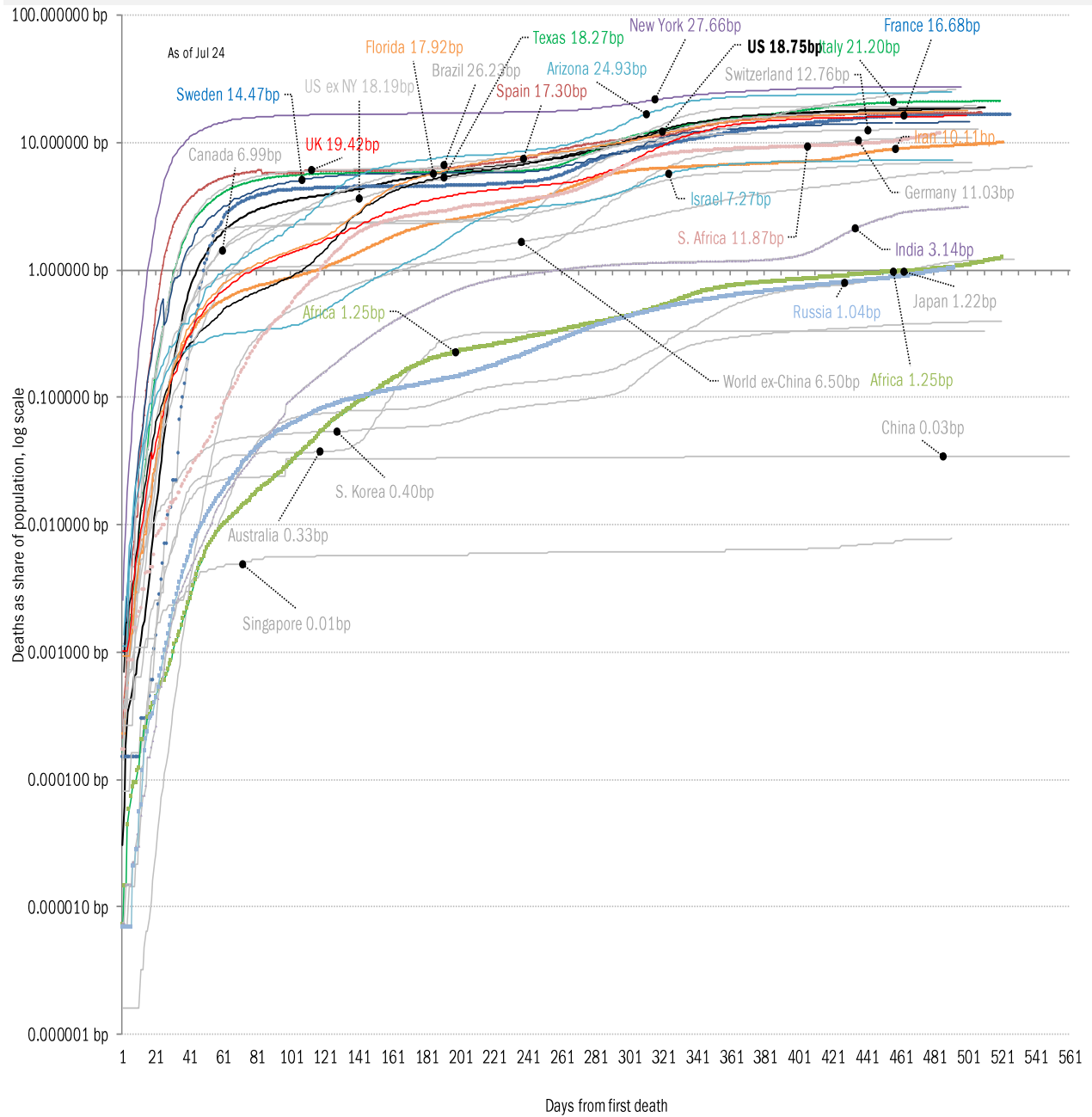
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

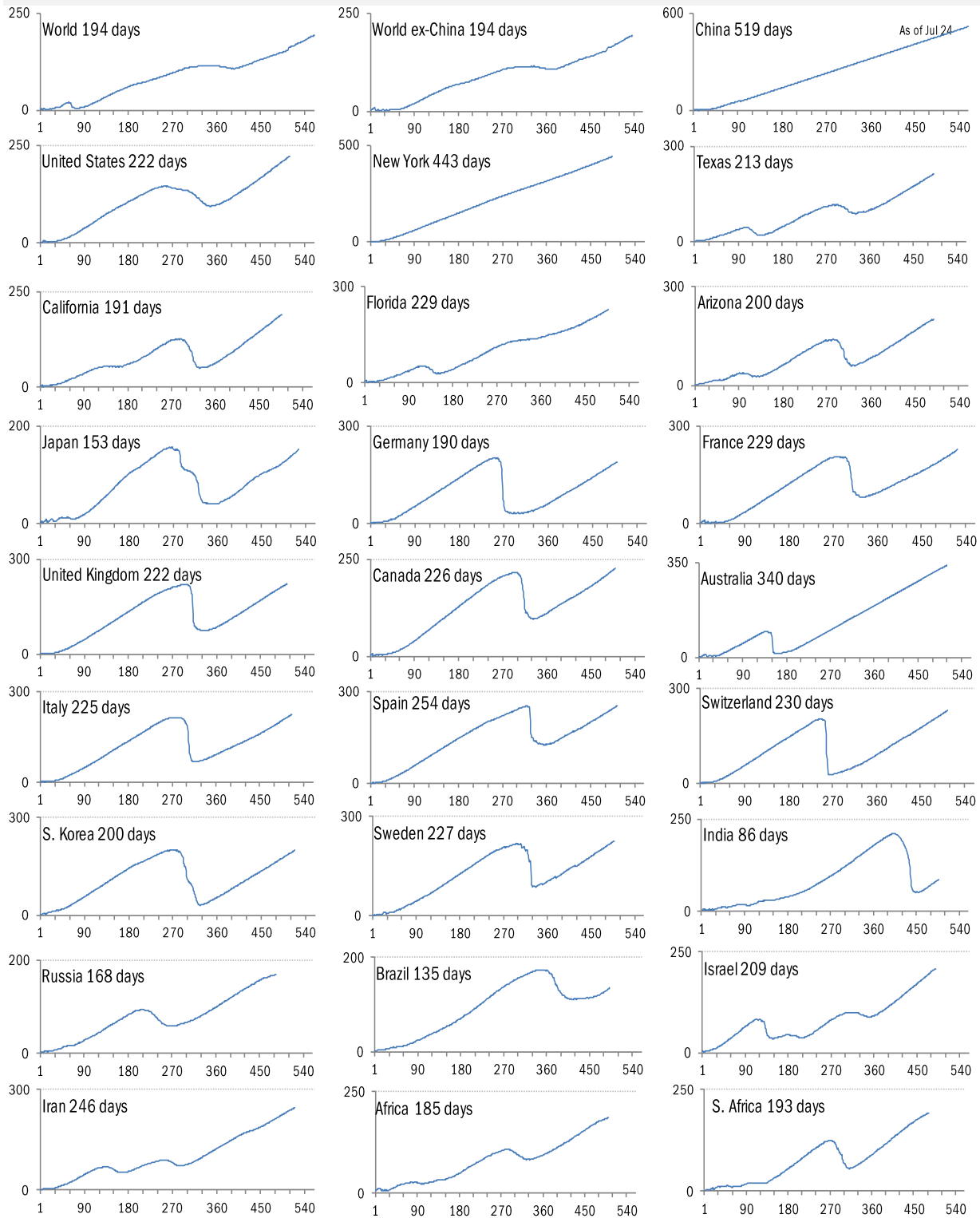


Source: [Johns Hopkins](#), TrendMacro calculations

"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

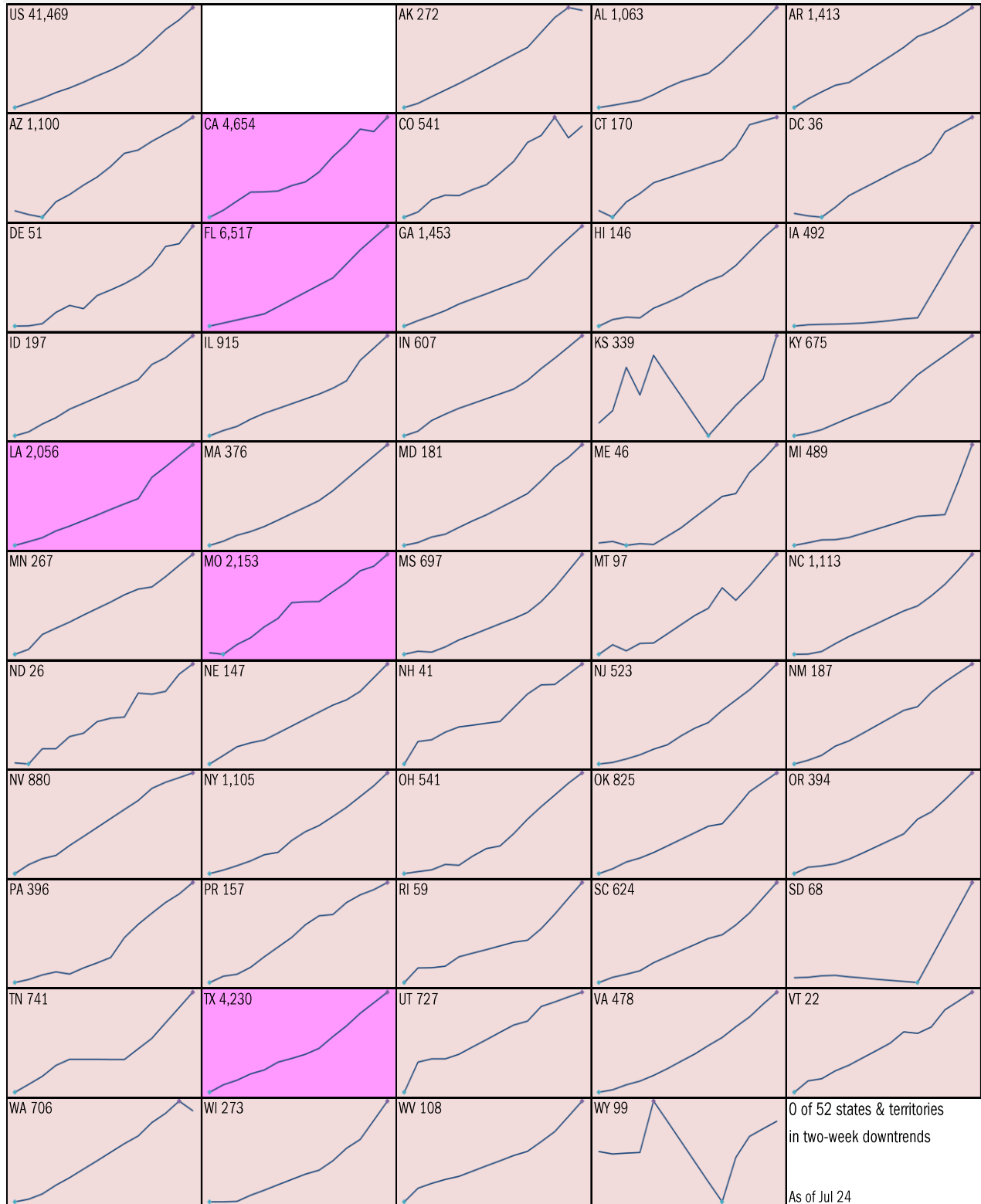


Source: [Johns Hopkins](#), TrendMacro calculations

Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases

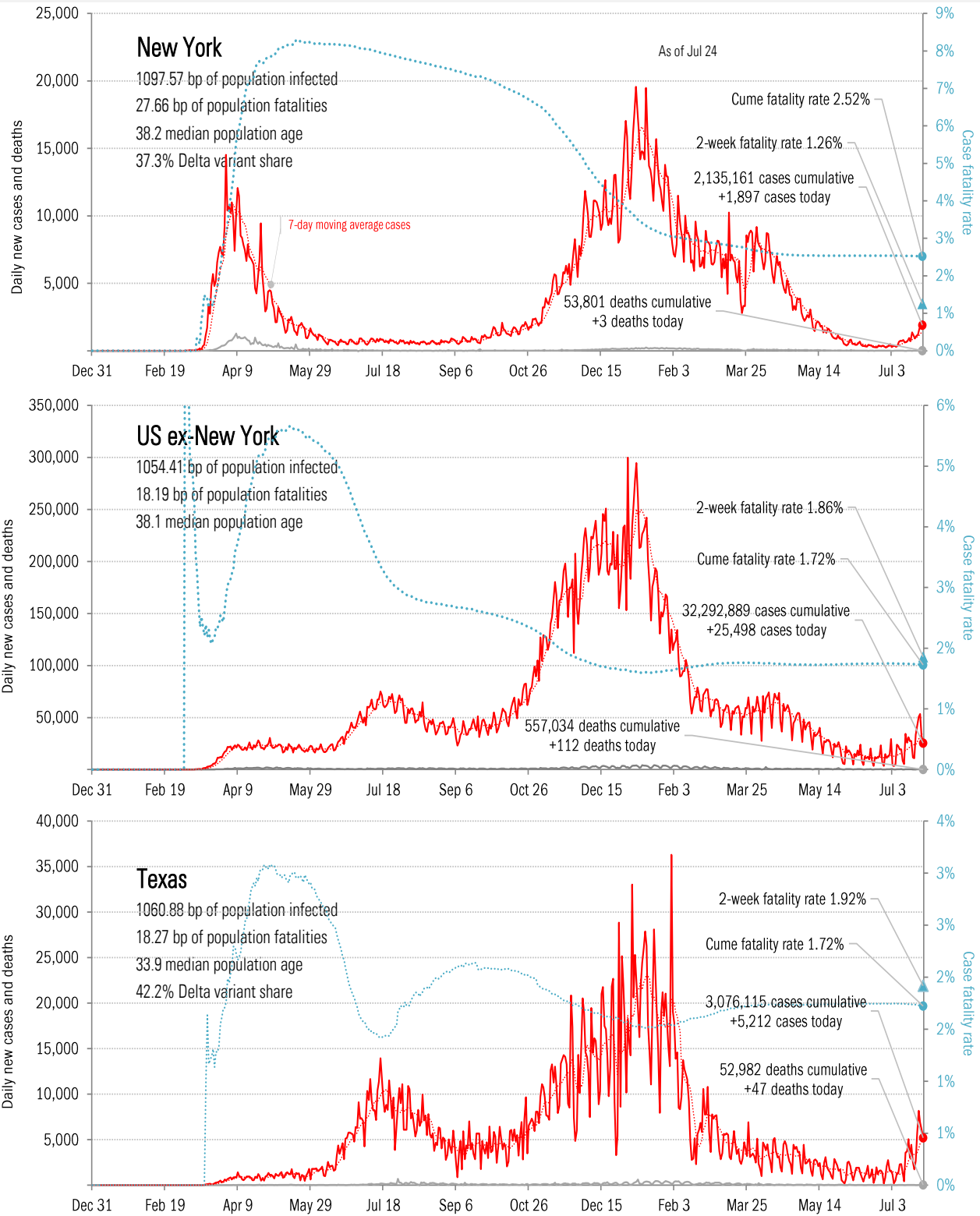
14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

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



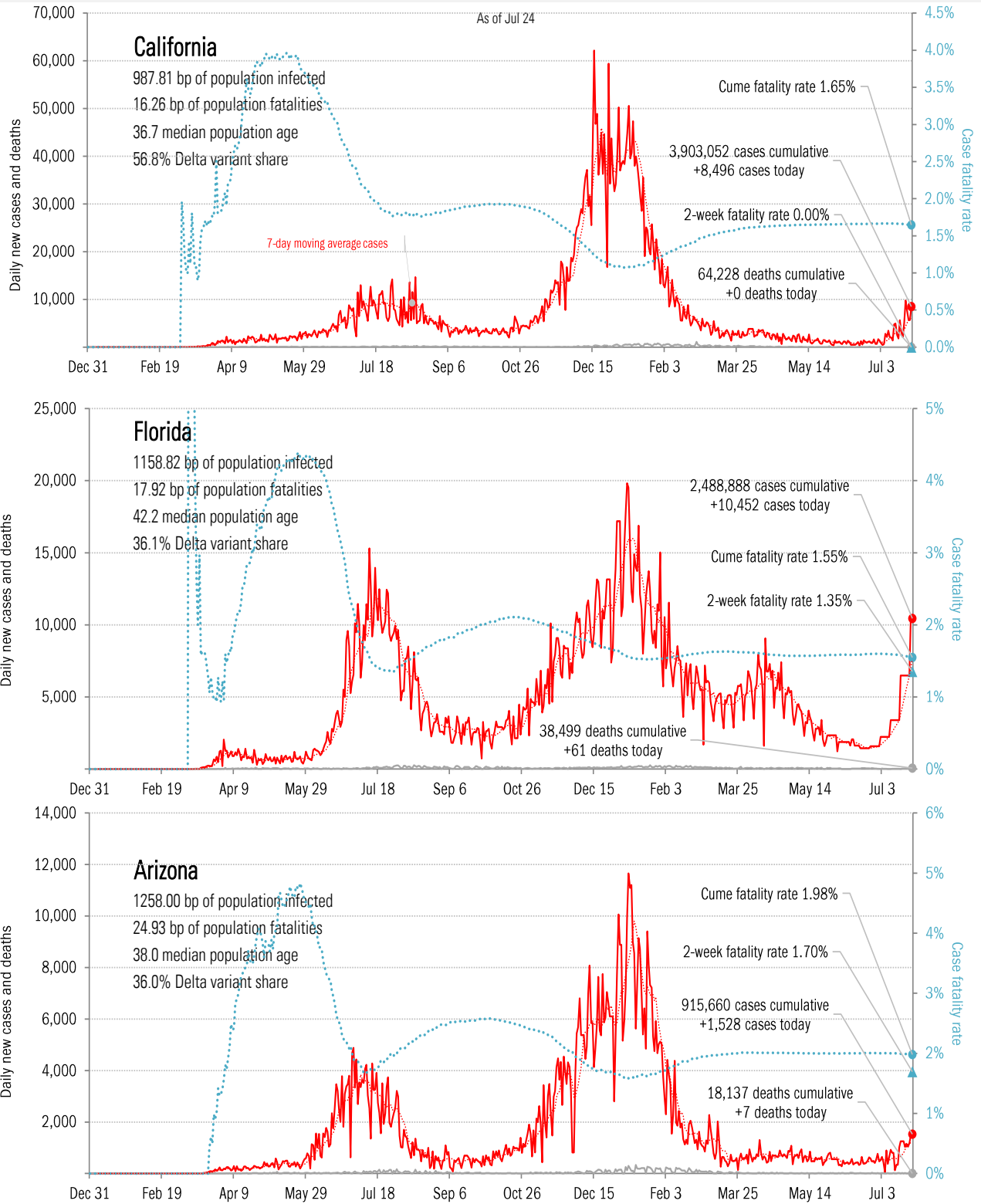
Source: [Johns Hopkins](#), TrendMacro calculations

From Ground Zero to the Rio Grande



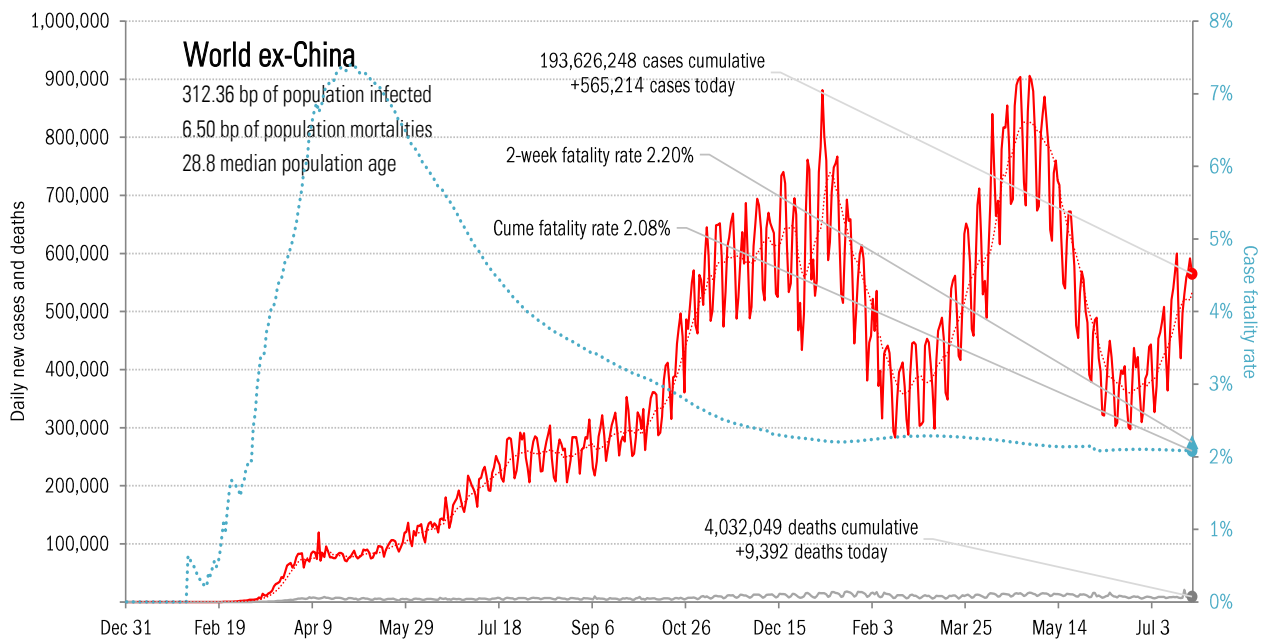
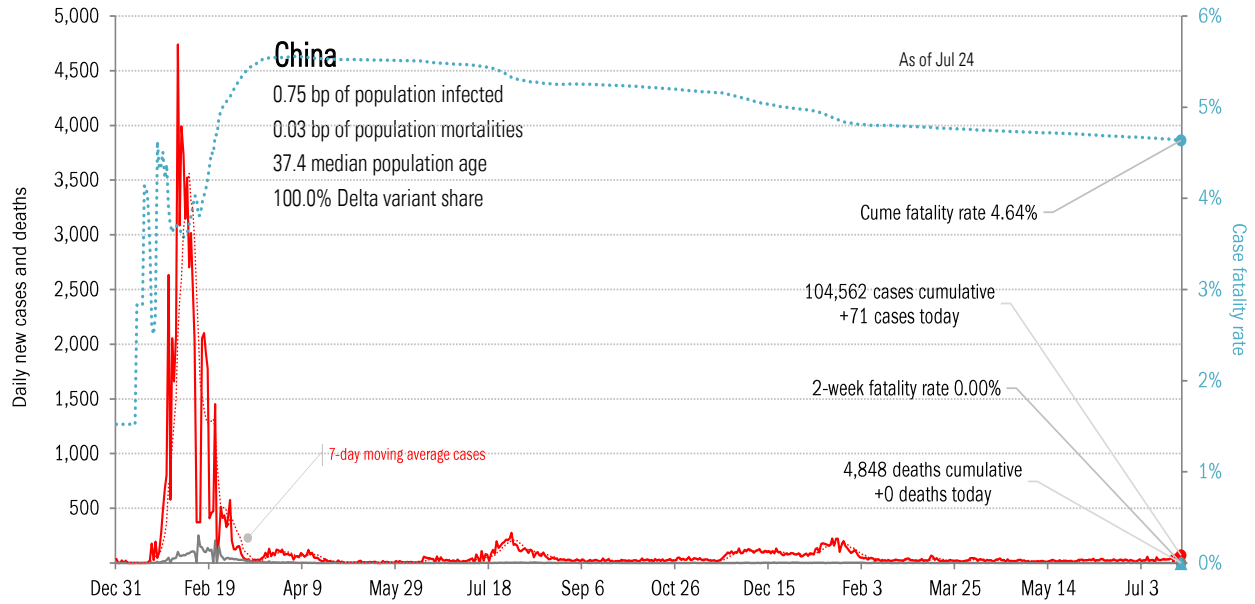
Source: [Johns Hopkins](#), TrendMacro calculations

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



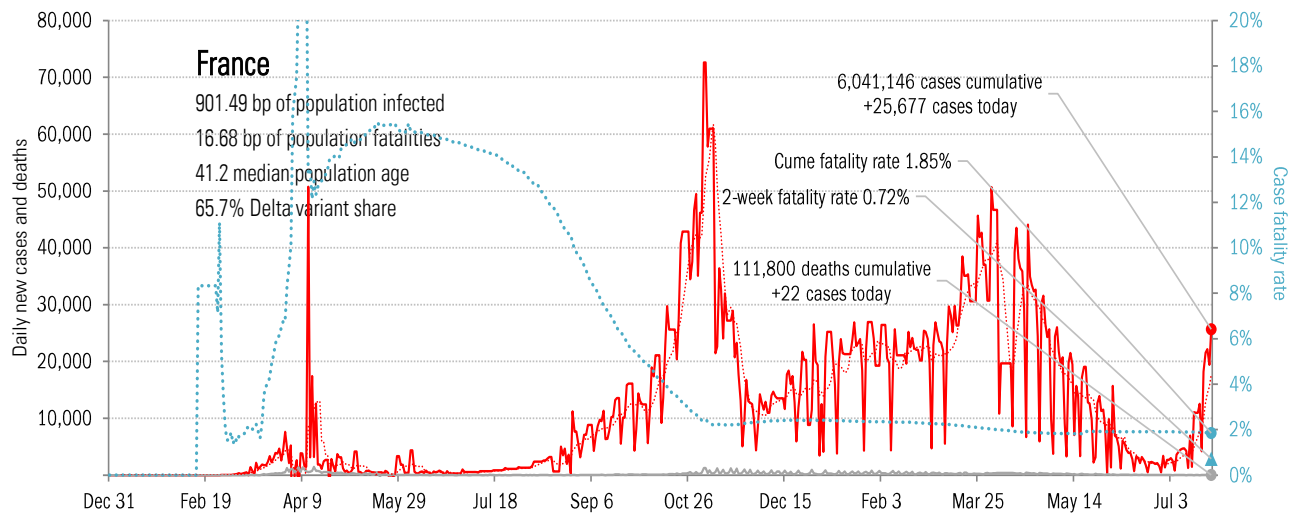
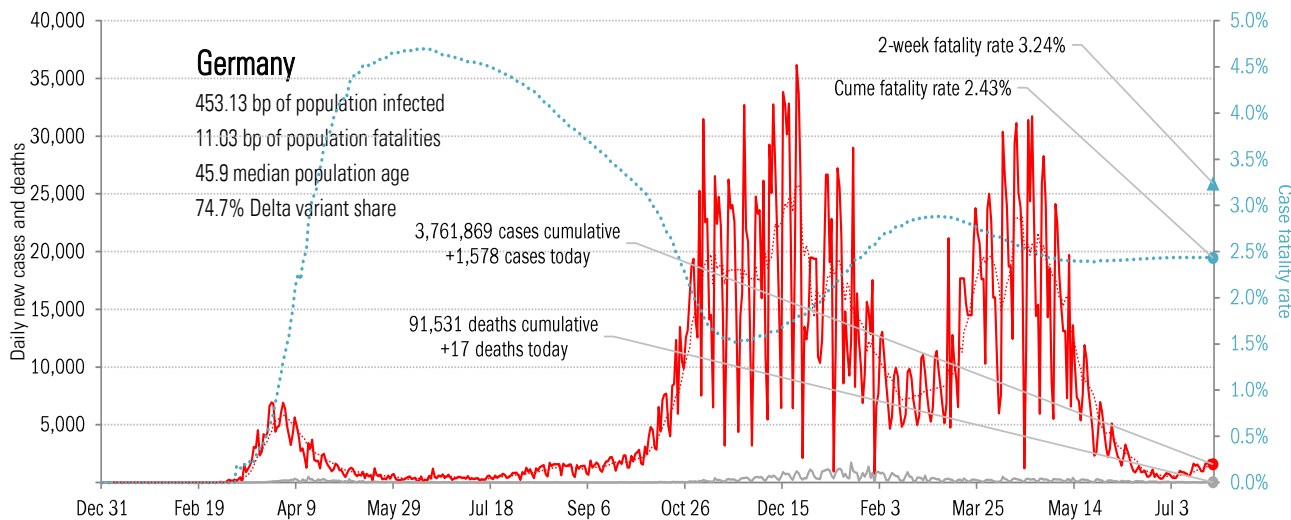
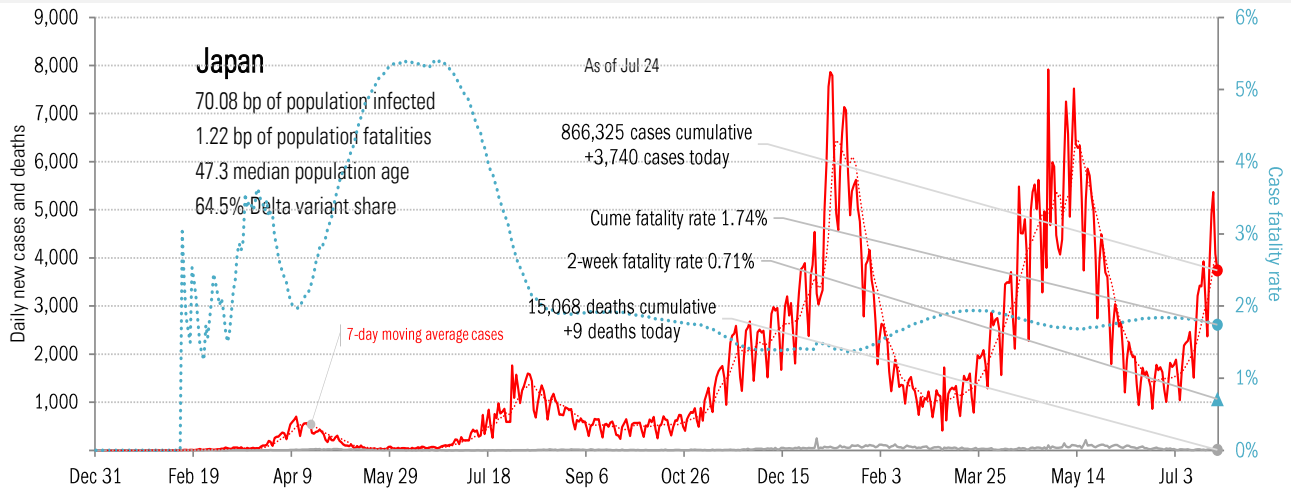
Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

Patient zero... and then everyone else



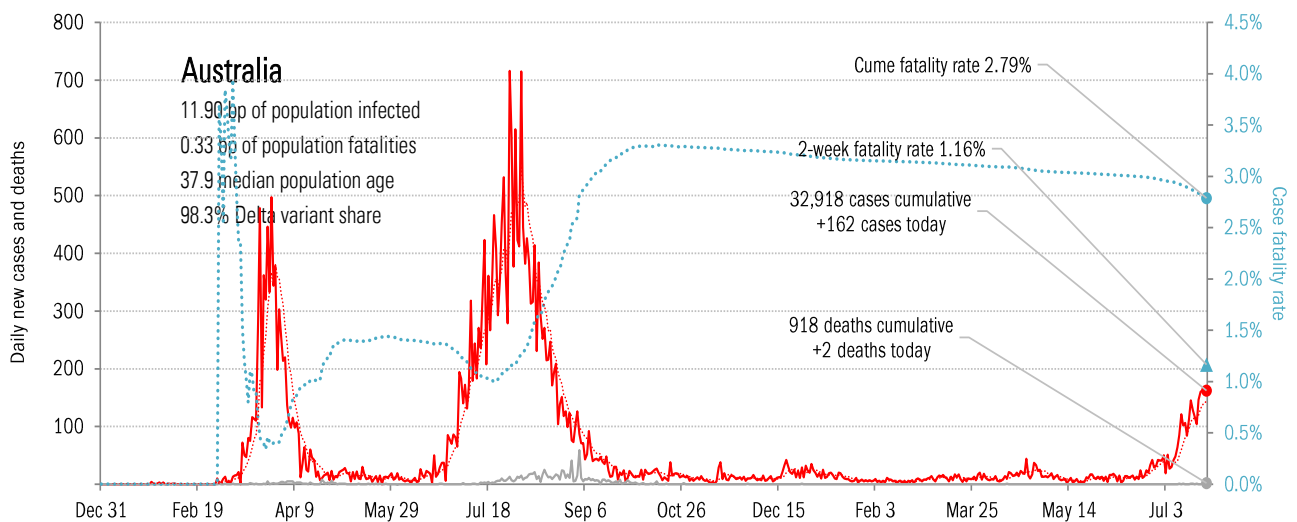
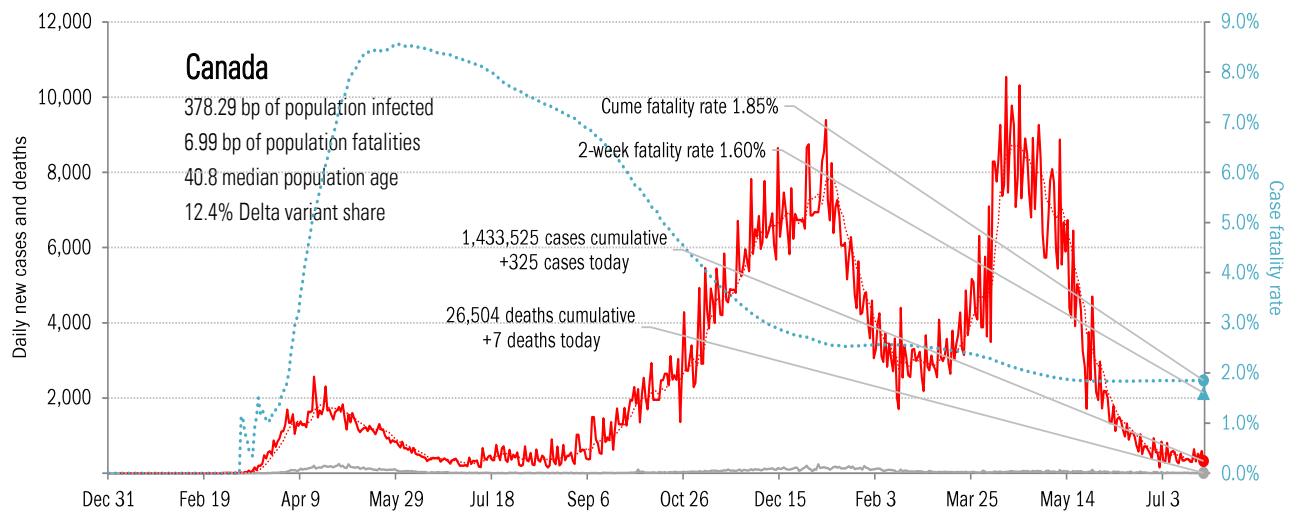
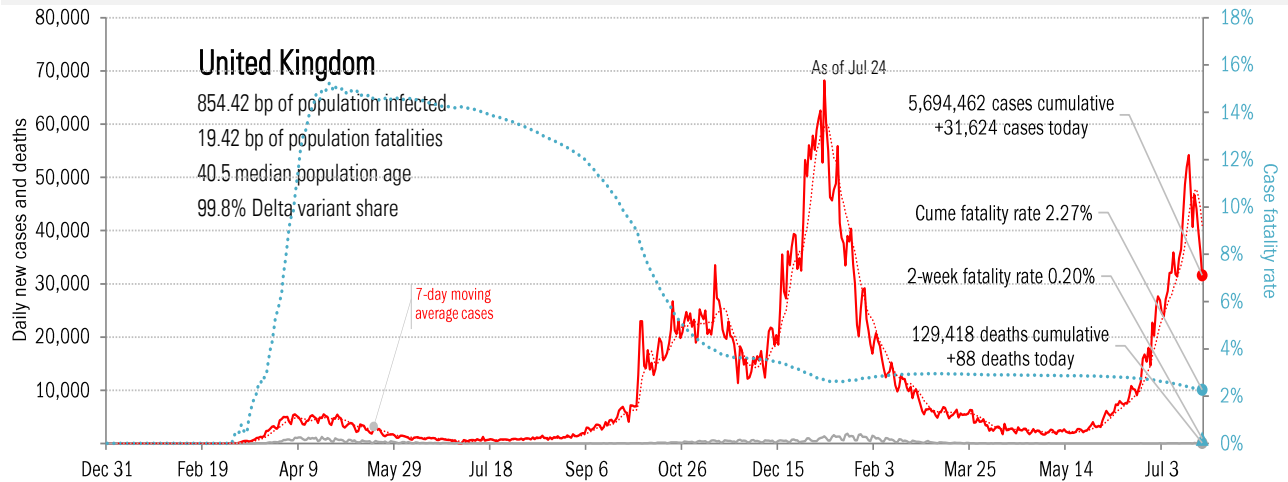
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



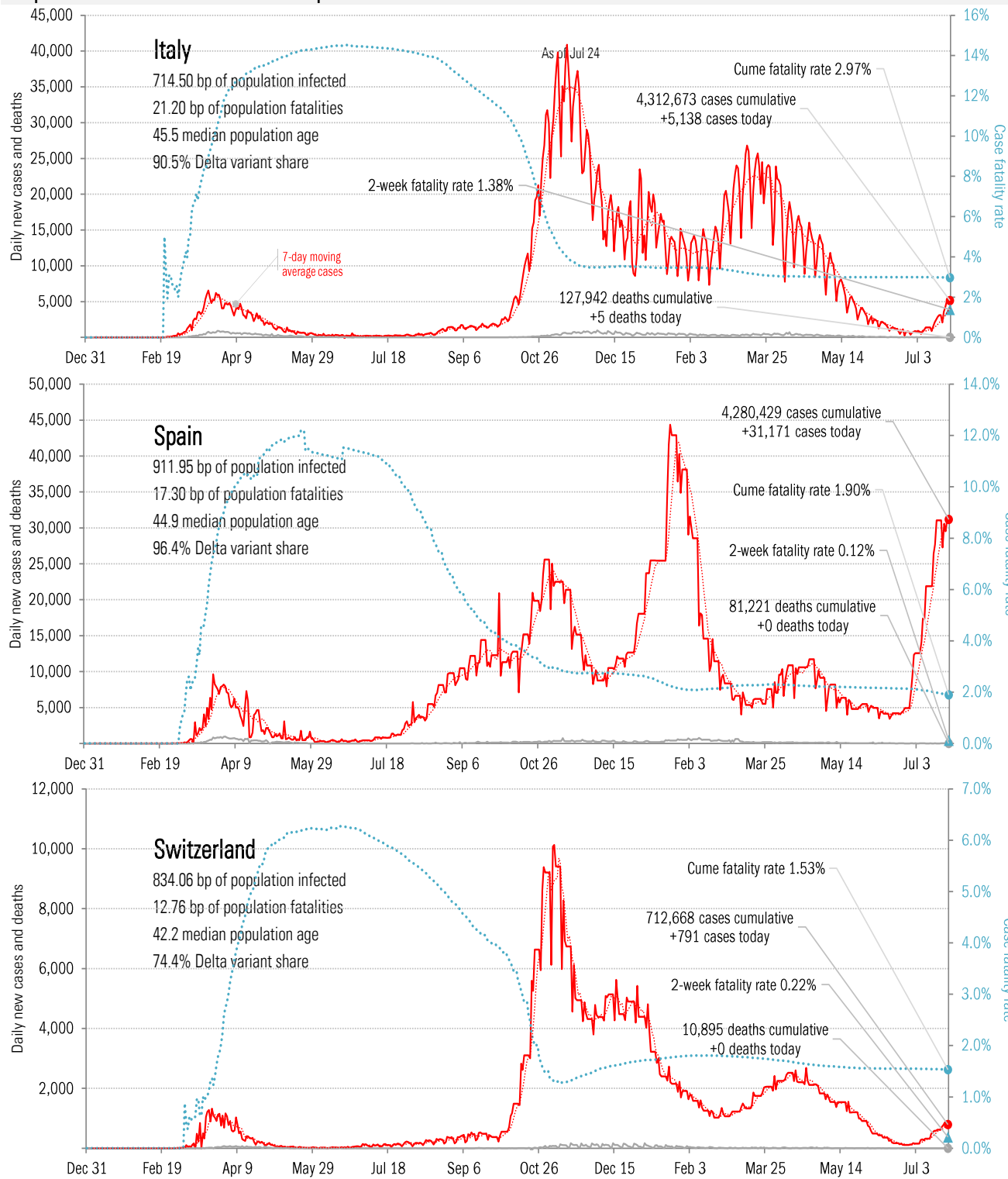
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



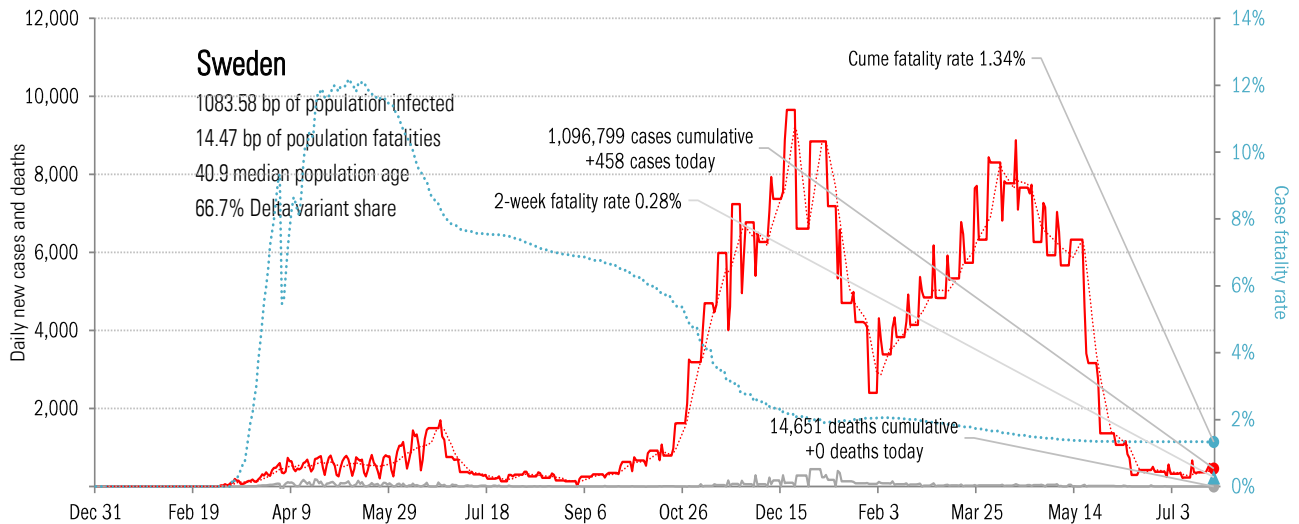
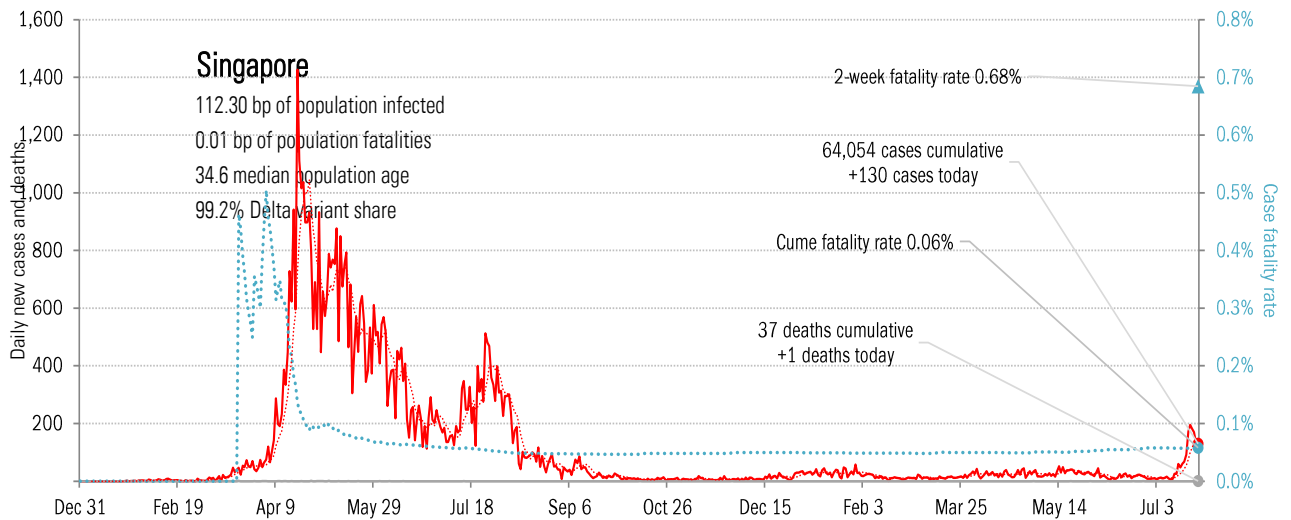
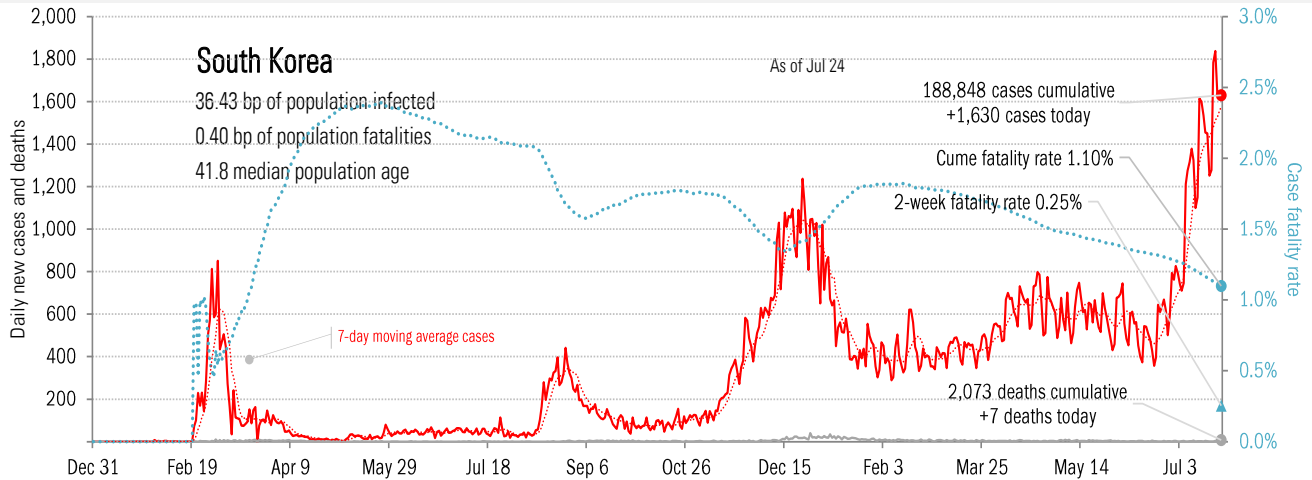
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



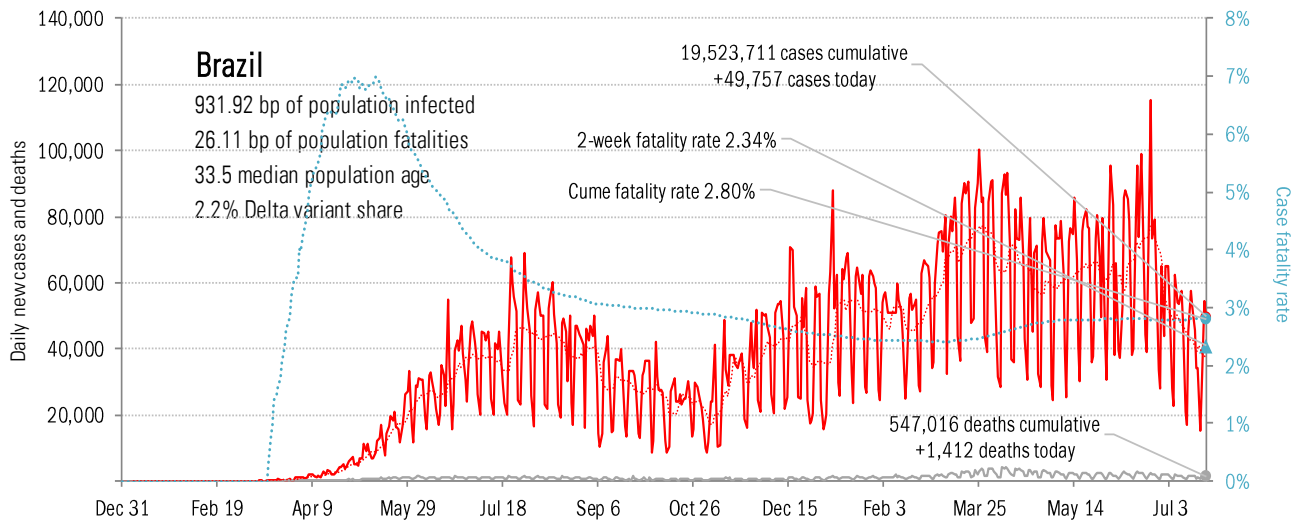
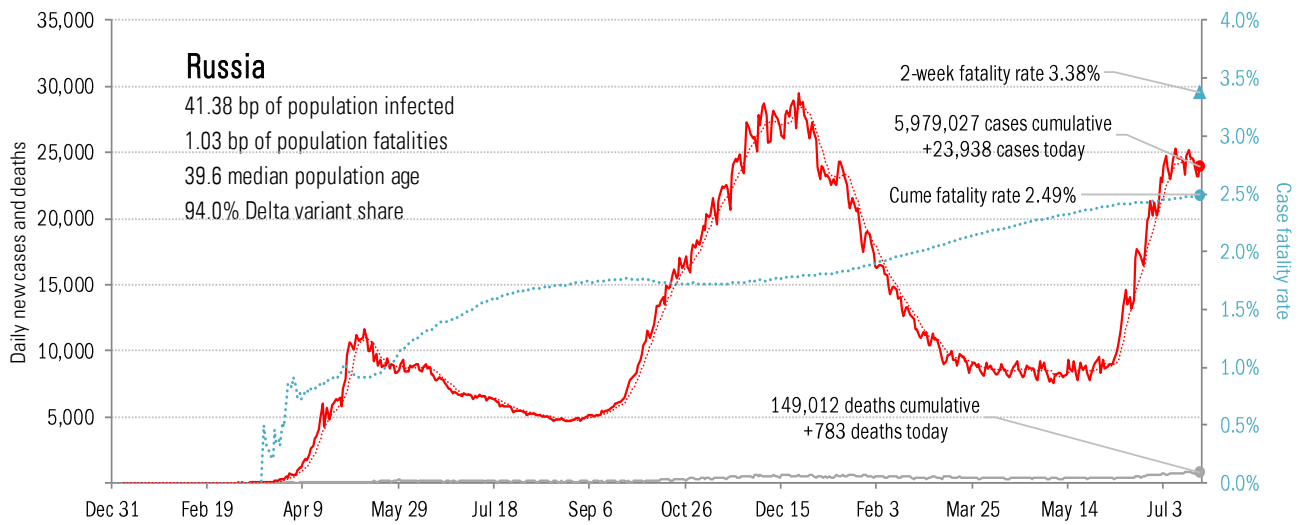
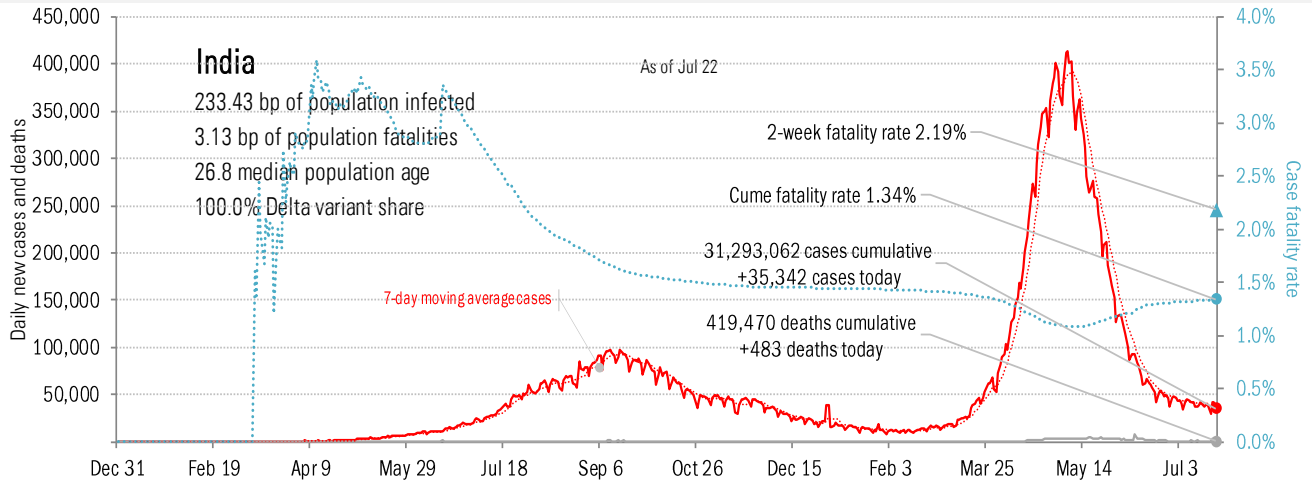
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



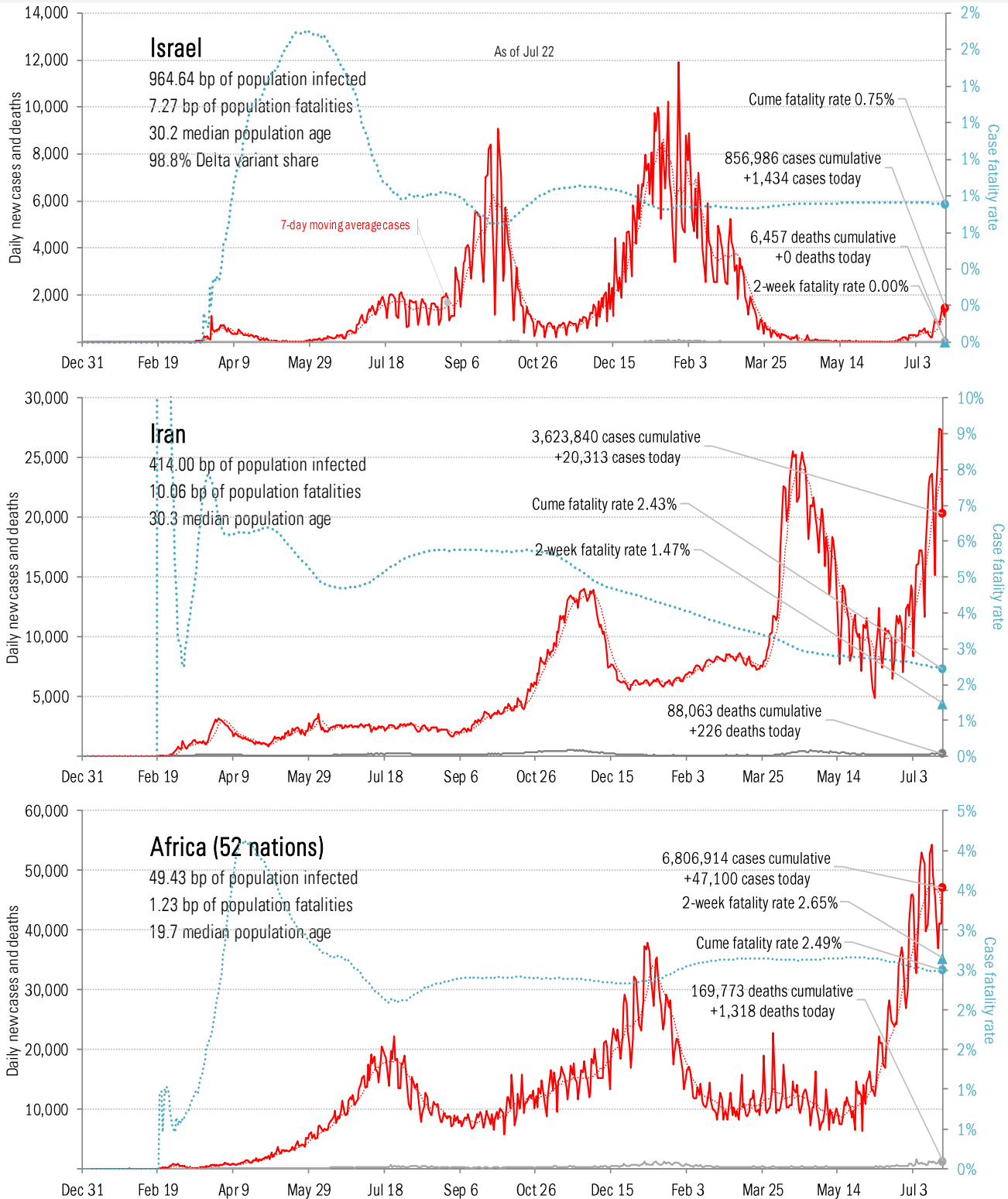
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



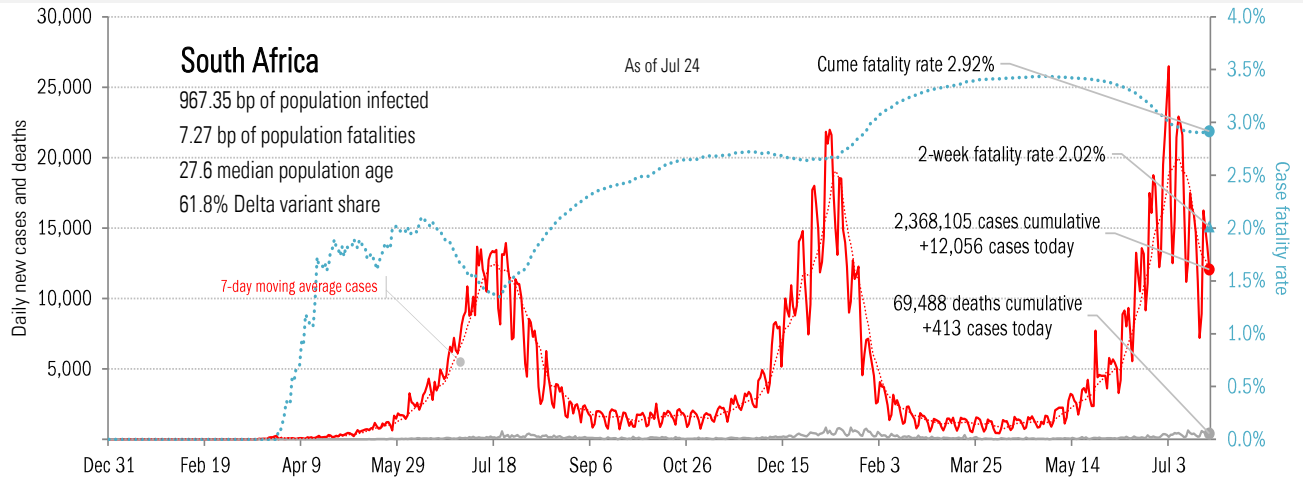
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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