

## Data Insights: Covid-2019 Monitor

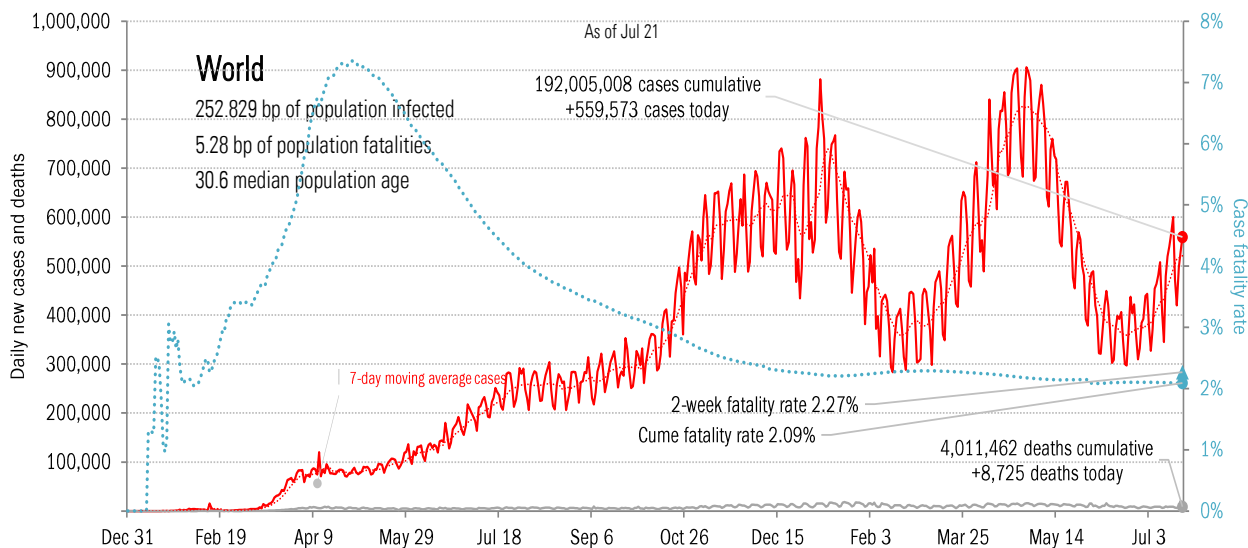
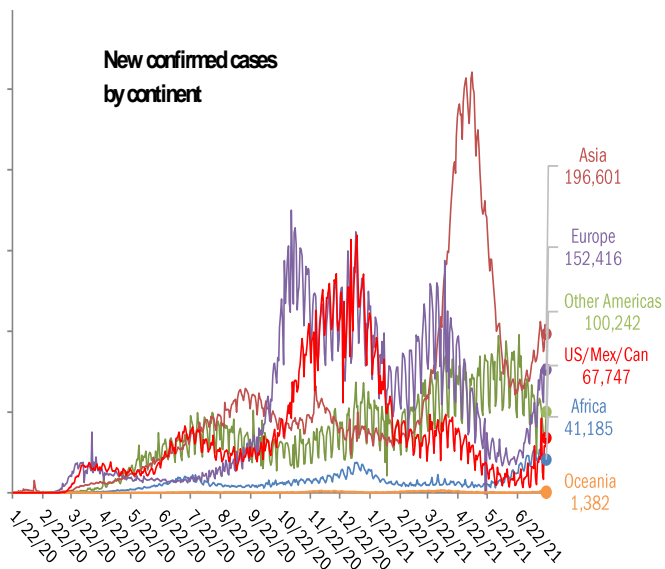
Thursday, July 22, 2021

### The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+54,517	Brazil	+1,424
United States	+52,032	Indonesia	+1,383
United Kingdom	+44,081	Russia	+772
India	+41,383	South Africa	+516
Indonesia	+33,772	India	+507
Spain	+30,587	Argentina	+437
Iran	+27,379	Mexico	+397
Russia	+23,164	Colombia	+351
France	+21,573	United States	+333
South Africa	+16,240	Burma	+247
<b>+344,728</b>		<b>+6,367</b>	
World	+559,573	World	+8,725
Top ten	62%	Top ten	73%

New confirmed cases by continent



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

#### For more information contact us:

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# The US scorecard

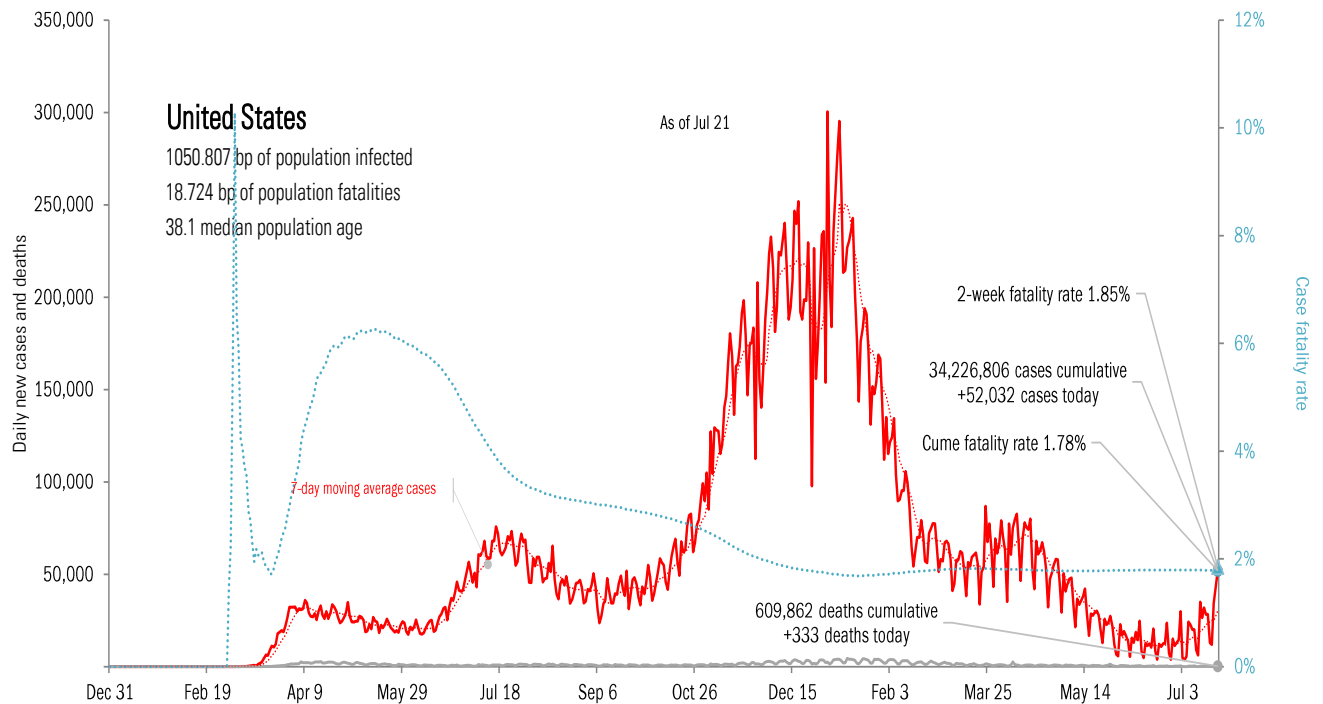
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+8,186		TX	+39		FL	+206		CA	3,883,186		CA	64,163		TX	260,020		RI	89%	MO	27%
CA	+7,766		CK	+37		TX	+100		TX	3,057,874		NY	53,791		CA	244,496		MA	85%	AR	23%
FL	+6,493		FL	+31		CA	+80		FL	2,454,998		TX	52,904		FL	196,191		MD	85%	NV	22%
LA	+5,388		NV	+28		GA	+55		NY	2,129,897		FL	38,381		NY	137,570		MO	84%	UT	20%
MO	+2,930		GA	+22		LA	+48		IL	1,404,466		PA	27,813		GA	111,387		PA	82%	WY	17%
GA	+2,229		CA	+19		AL	+43		PA	1,222,311		NJ	26,562		PA	92,342		FL	81%	MS	15%
AL	+1,632		AR	+13		AZ	+33		GA	1,153,064		IL	25,825		CH	88,864		CT	81%	FL	14%
AR	+1,459		LA	+13		NY	+28		CH	1,119,298		GA	21,593		IL	83,639		NV	81%	TX	13%
NC	+1,434		IA	+12		NV	+24		NJ	1,030,600		MI	21,124		KY	80,000		DC	81%	OK	13%
IA	+1,395		AZ	+10		UT	+23		NC	1,028,131		CH	20,449		MI	73,744		MN	80%	ID	13%
+38,912			+224			+640			18,483,825			352,605			1,368,253						
All states	+58,525			+364			+611		All states	34,226,806			609,862			2,437,679		All states	70%		67%
Top ten	66%			62%			105%		Top ten	54%			58%			56%		Median	73%		5%

Some states not reporting

## Five most improved US states

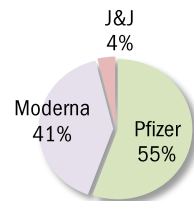
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-1,999	MO	-33	KY	-364	AL	+20 bp
MI	-1,198	AL	-15	AR	-57	FR	+20 bp
AR	-416	MI	-15	CH	-44	WY	+20 bp
MN	-348	CH	-12	MO	-33	AK	+10 bp
NE	-311	MA	-8	MS	-24	AR	+10 bp



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

# Rolling out the vaccines in the US and the world

US overall	Total				Today	Immunity	Full	Partial
Doses distributed	403,154,495				+0.519 million	US	48.4%	55.9%
Doses administered	348,913,704				+0.646 million	UK	53.6%	68.3%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	42.1%	56.0%
Total population	191,547,133	57%	166,144,294	50%	+0.270 million	Spain	52.8%	64.1%
Age 12 to 17	9,949,149	39%	7,799,923	31%	+0.052 million	Germany	47.6%	60.0%
Age 18 to 64	130,986,779	64%	113,180,325	56%	+0.187 million	Italy	45.8%	61.0%
Age 65 and over	50,388,656	92%	45,034,813	82%	+0.031 million	Australia	11.7%	29.3%



State
Immunities distributed as % population**
At least partial immunity as % population
Full immunity as % population



At today's dosing pace, every American >18 immune in **206 days** by Feb 13, 2022

61.3% of population >18 immunized  
11.7% previously tested positive  
**72.9%** vs 60% adult herd immunity\*

Global data differs from sources, timing

AK
61.9%
50.7%
45.1%

ME
74.0%
67.6%
62.9%

WI	VT	NH								
56.5%	79.3%	73.4%								
54.8%	75.0%	64.0%								
51.2%	67.1%	57.8%								
WA	ID	MT	ND	MN	IL	MI	NY	MA		
66.2%	51.0%	55.9%	50.1%	61.9%	62.5%	62.3%	66.4%	75.0%		
63.0%	40.5%	48.7%	44.7%	58.1%	61.2%	52.5%	61.9%	71.8%		
56.8%	37.0%	43.9%	39.7%	53.2%	47.8%	48.4%	56.2%	63.3%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
71.5%	54.9%	48.0%	58.7%	59.0%	54.1%	56.7%	66.6%	70.1%	71.2%	75.6%
59.9%	52.1%	40.9%	51.6%	52.5%	46.3%	49.2%	64.5%	64.7%	68.7%	66.1%
55.4%	43.6%	36.2%	46.4%	49.1%	43.6%	46.0%	51.5%	57.3%	62.5%	60.7%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
66.7%	54.2%	65.0%	57.8%	54.2%	54.2%	56.9%	65.3%	75.2%	70.6%	
63.5%	50.9%	59.4%	52.9%	47.0%	50.9%	45.8%	60.7%	63.6%	59.7%	
51.9%	44.0%	53.7%	48.9%	40.4%	44.9%	38.9%	53.7%	58.0%	51.9%	
AZ	NM	KS	AR	TN	NC	SC	DC			
60.2%	60.8%	57.1%	51.1%	50.4%	59.9%	55.6%	80.4%			
52.0%	64.4%	50.5%	44.3%	43.6%	50.1%	45.6%	63.0%			
44.6%	56.3%	43.2%	35.5%	38.5%	43.2%	40.0%	54.1%			
OK	LA	MS	AL	GA						
54.4%	47.3%	48.6%	53.2%	56.6%						
46.4%	40.1%	38.1%	41.5%	45.1%						
39.6%	36.3%	33.9%	33.9%	38.0%						
HI	TX	FL	PR							
72.3%	59.4%	63.4%	69.5%							
70.7%	50.1%	55.9%	67.8%							
53.1%	43.1%	47.9%	58.9%							

As of Jul 22

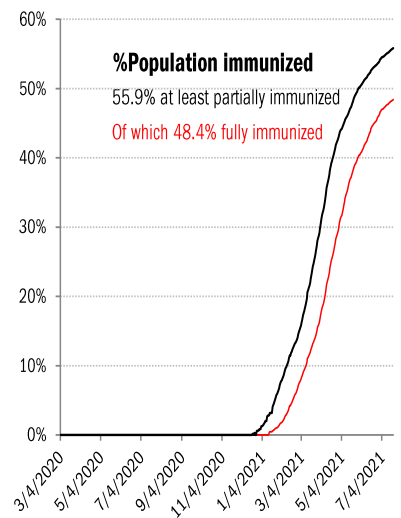
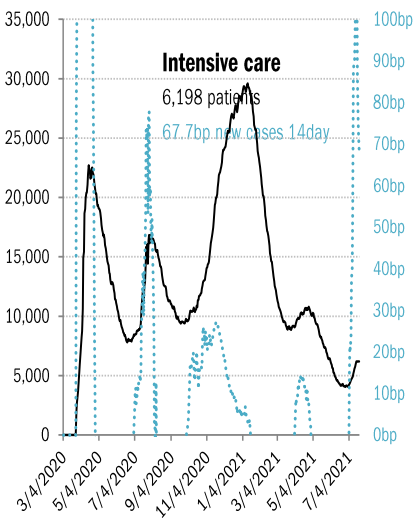
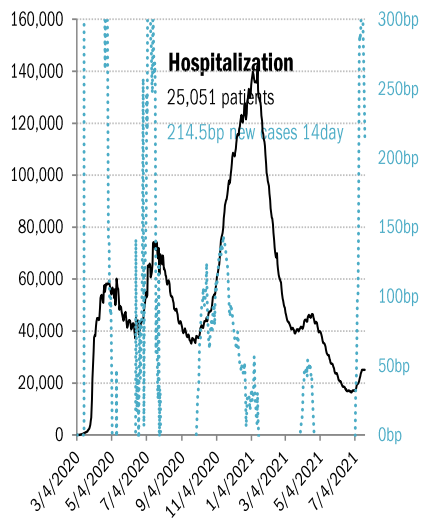
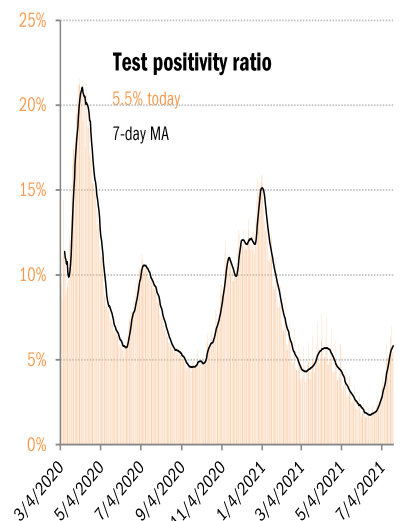
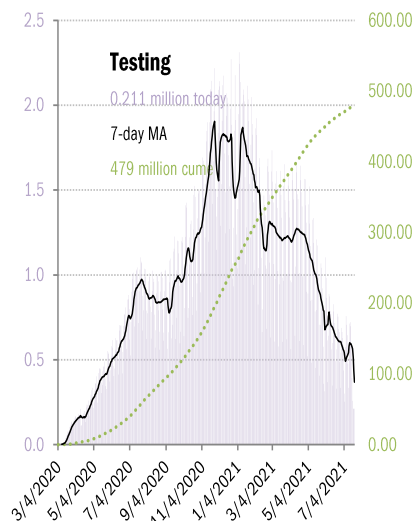
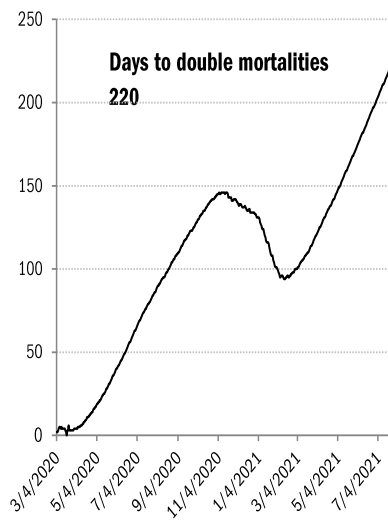
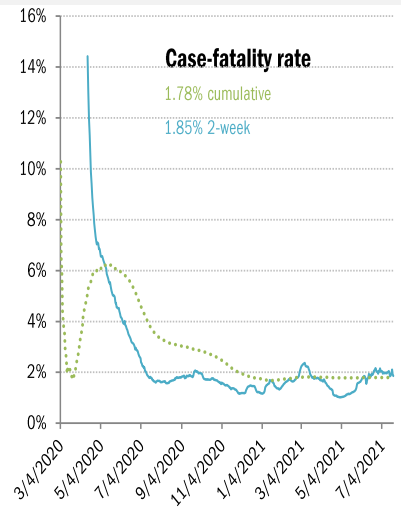
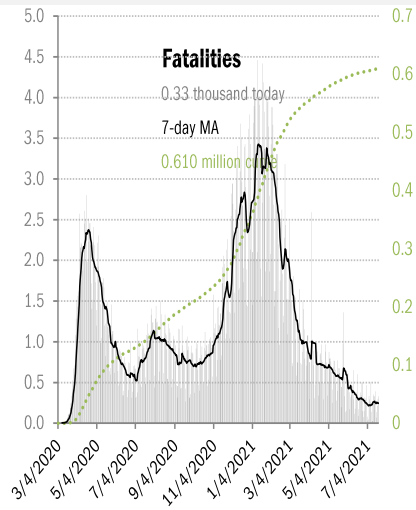
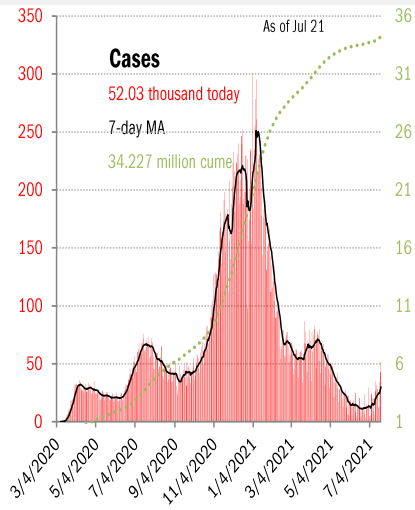
\* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

\*\* One dose of Pfizer/Moderna counts as half an immunity, one dose of J&J as a full immunity

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

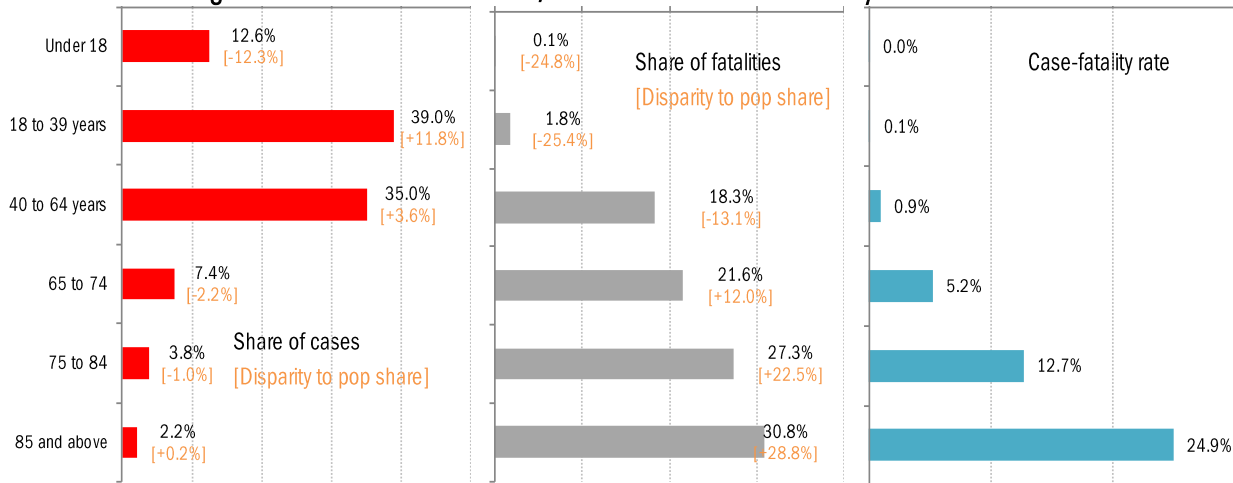
# US deep-dive

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

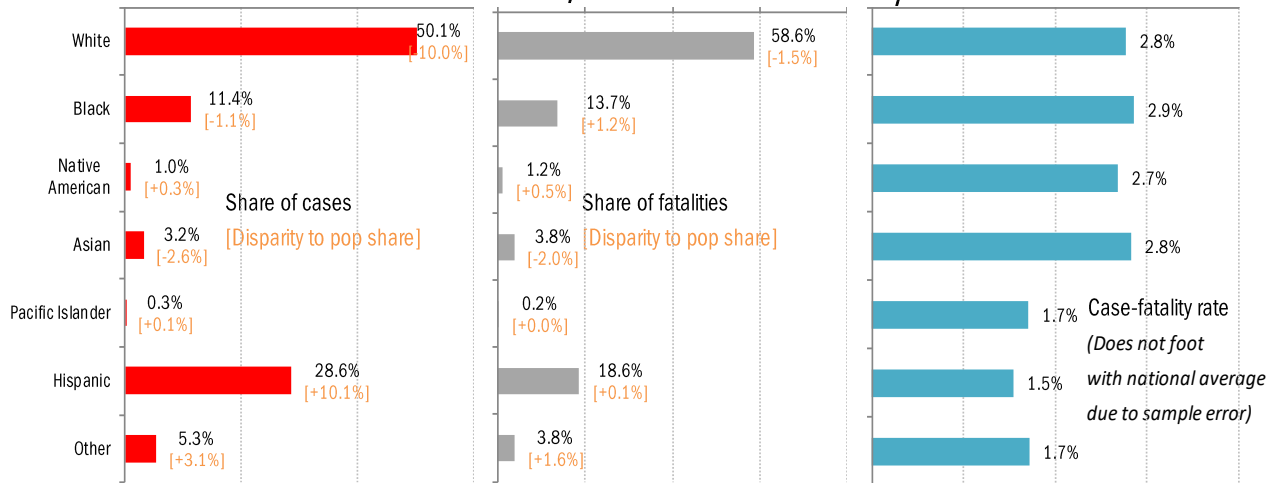


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

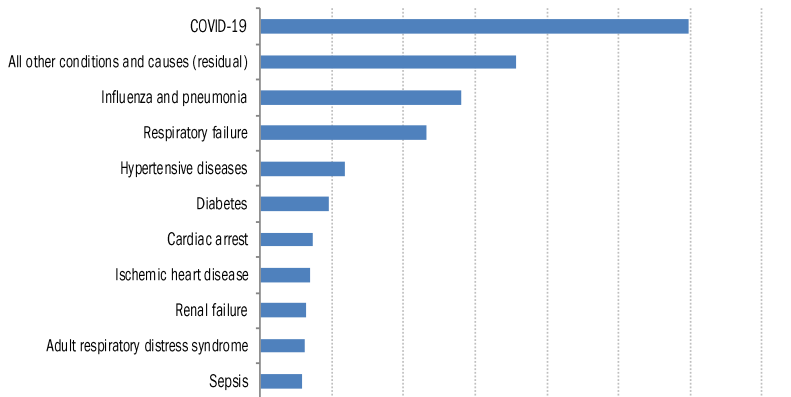


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jul 11

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

[How Nations Are Learning to 'Let It Go' and Live With Covid](#)

Sui-Lee Wee  
*New York Times*  
July 21, 2021

[The Panic Pandemic](#)

John Tierney  
*City Journal*  
Summer 2021

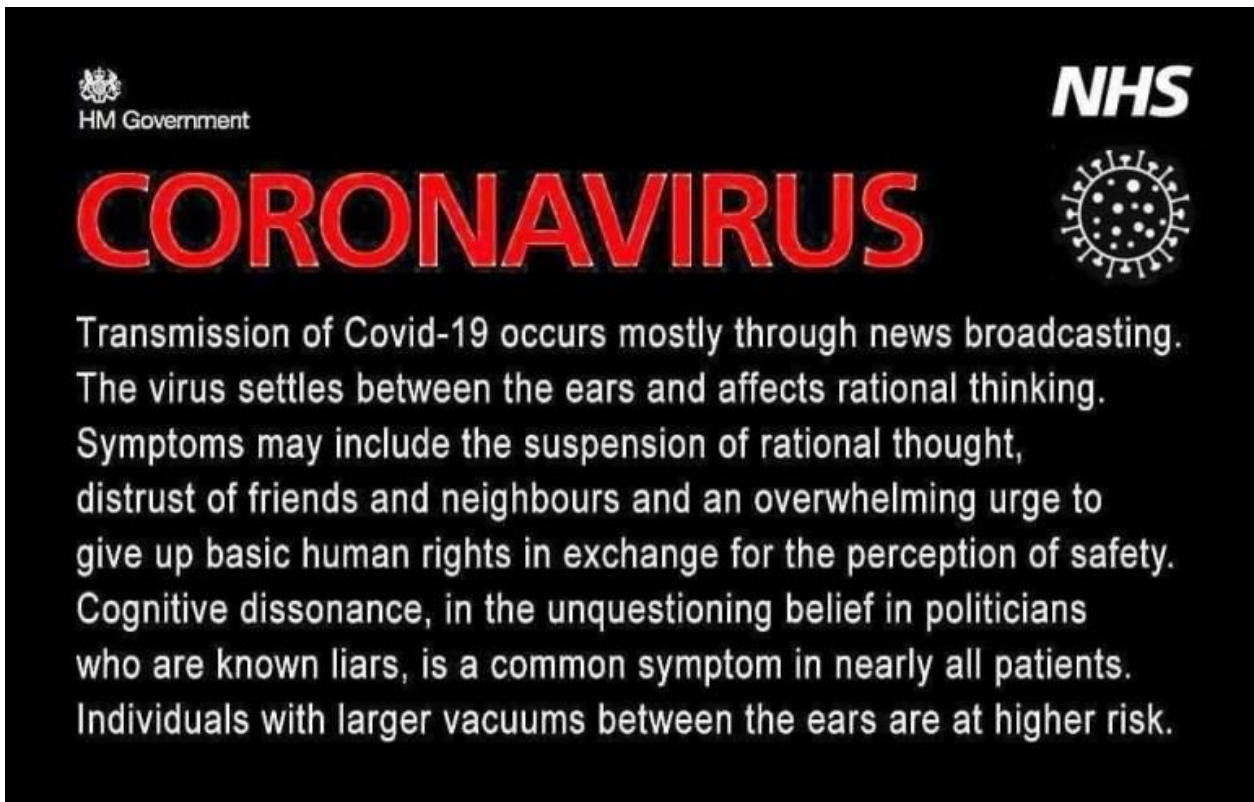
[Trump Deserves More Credit for COVID-19 Vaccine, Voters Say](#)

*Rasmussen*  
July 19, 2021

[More Variants Are Coming, and the U.S. Isn't Ready to Track Them](#)

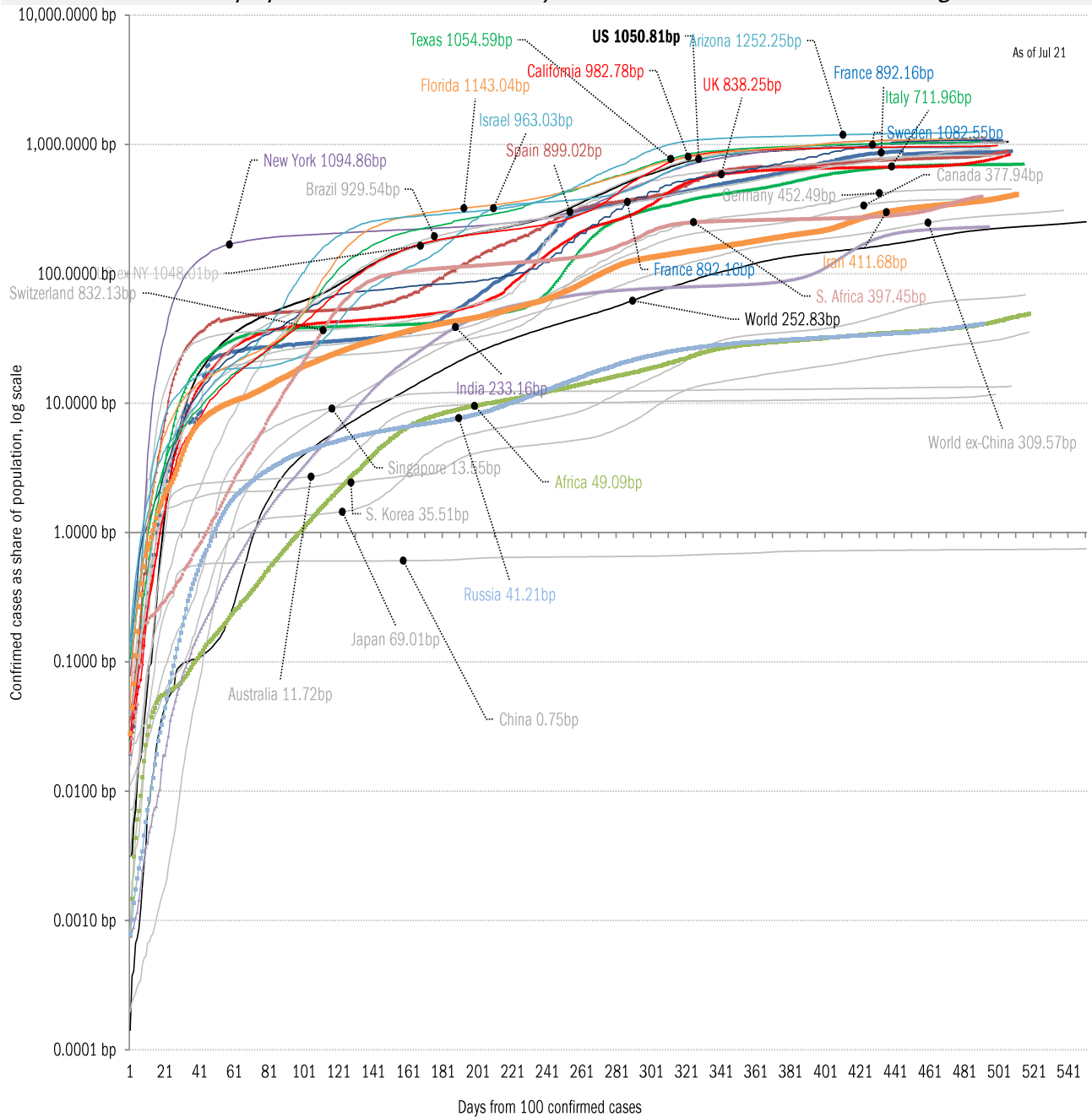
Cynthia Koons  
*Bloomberg*  
July 20, 2021

## Meme of the day



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

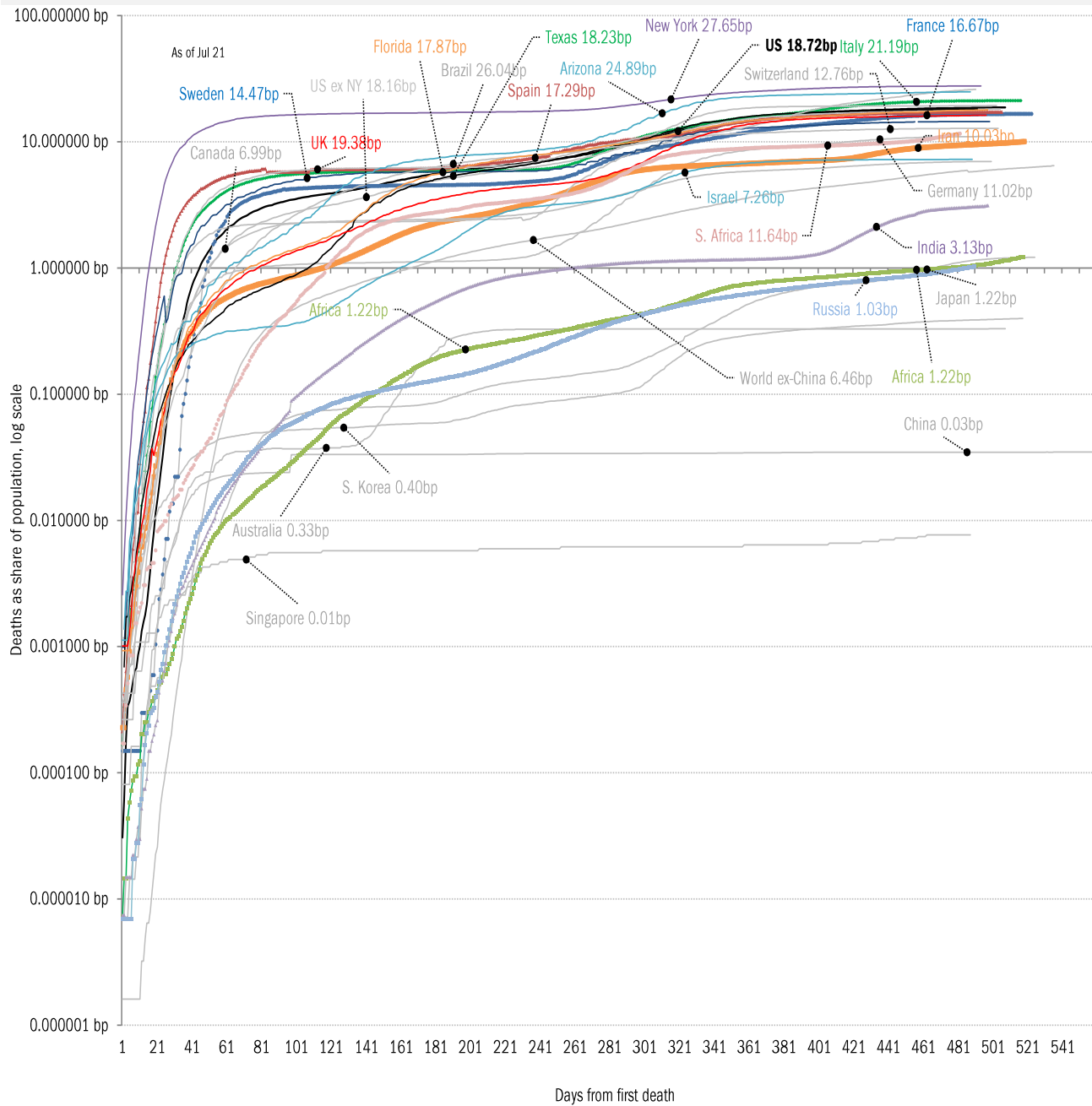
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



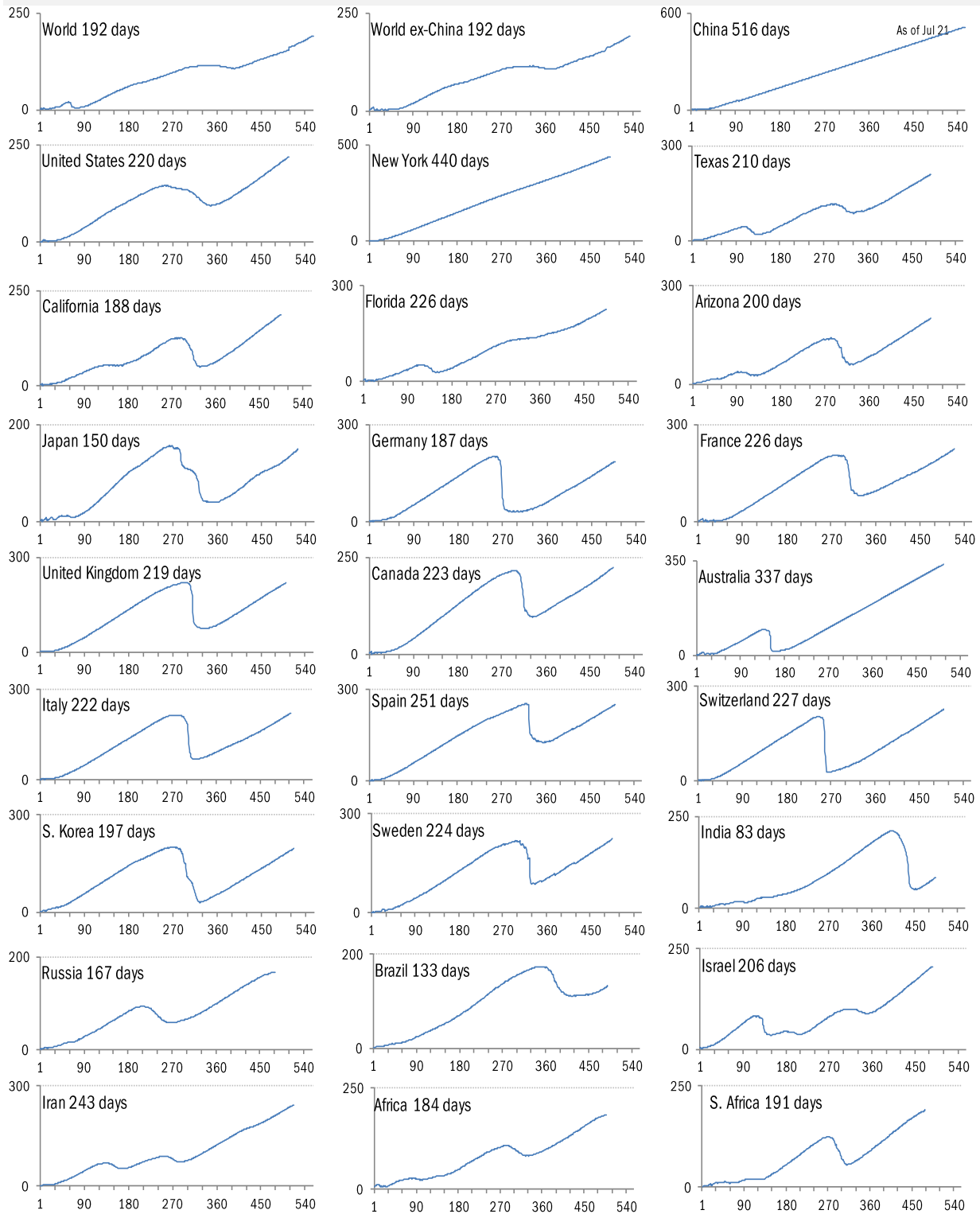
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

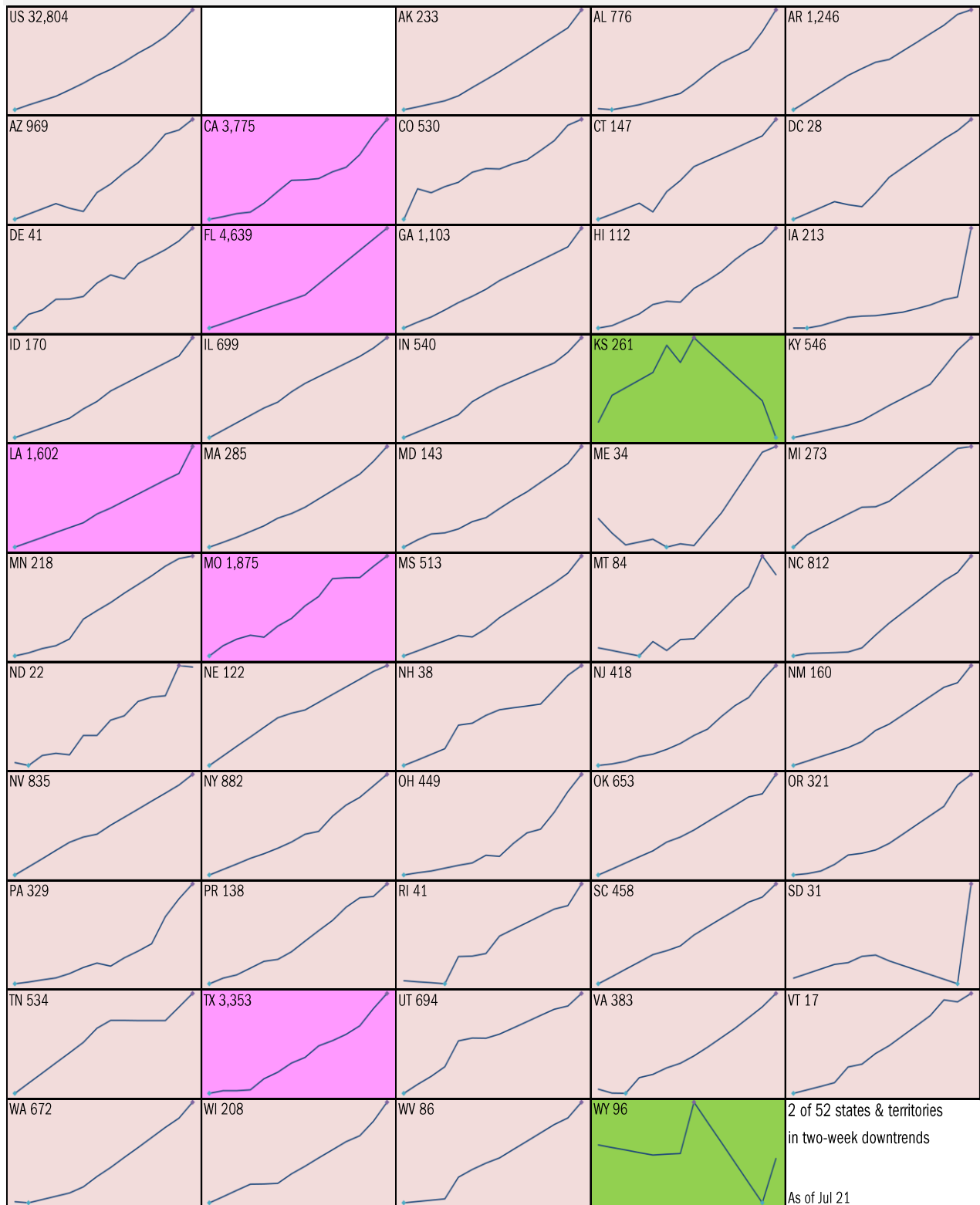


Source: [Johns Hopkins](#), TrendMacro calculations

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

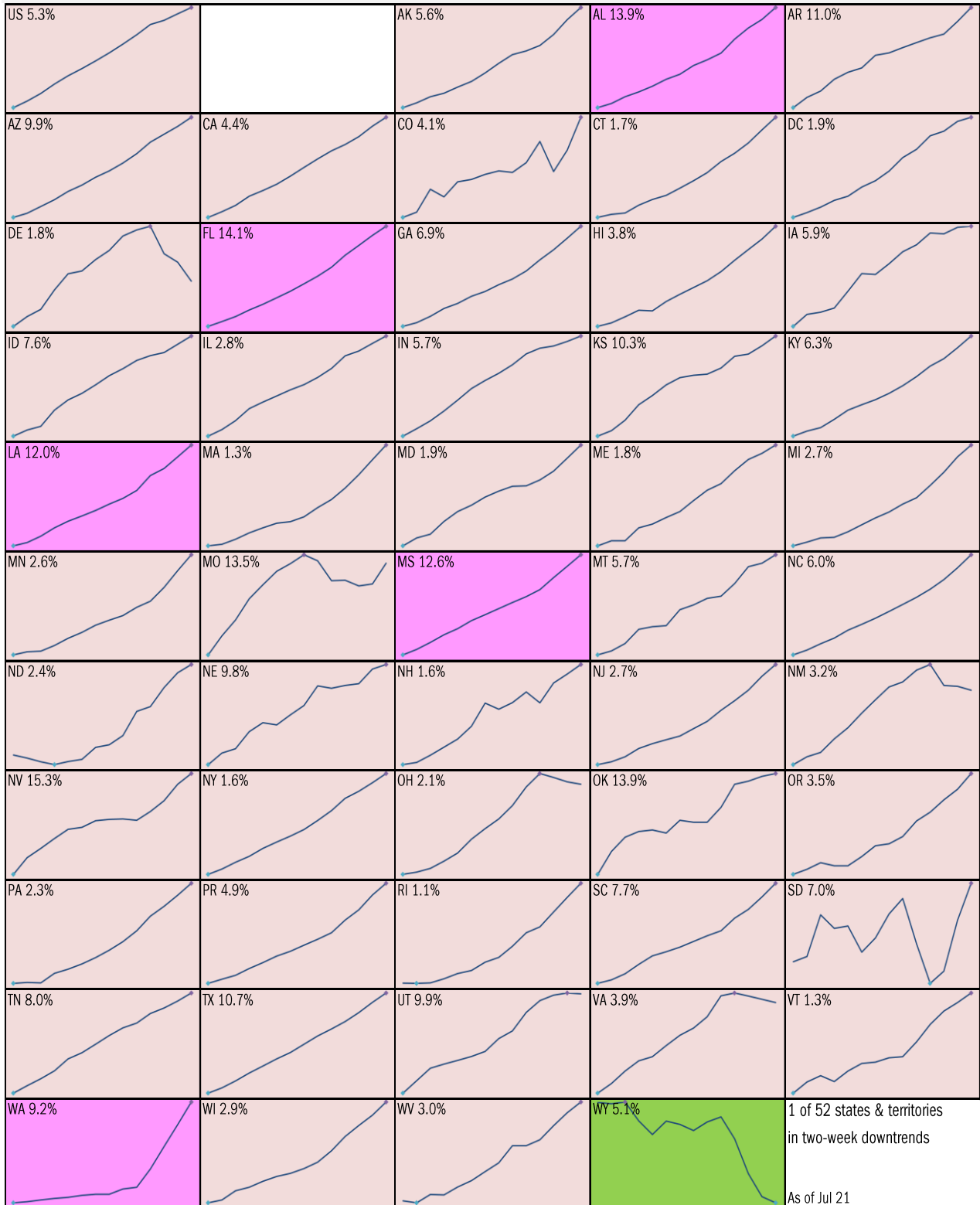


Source: [Johns Hopkins](#), TrendMacro calculations

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

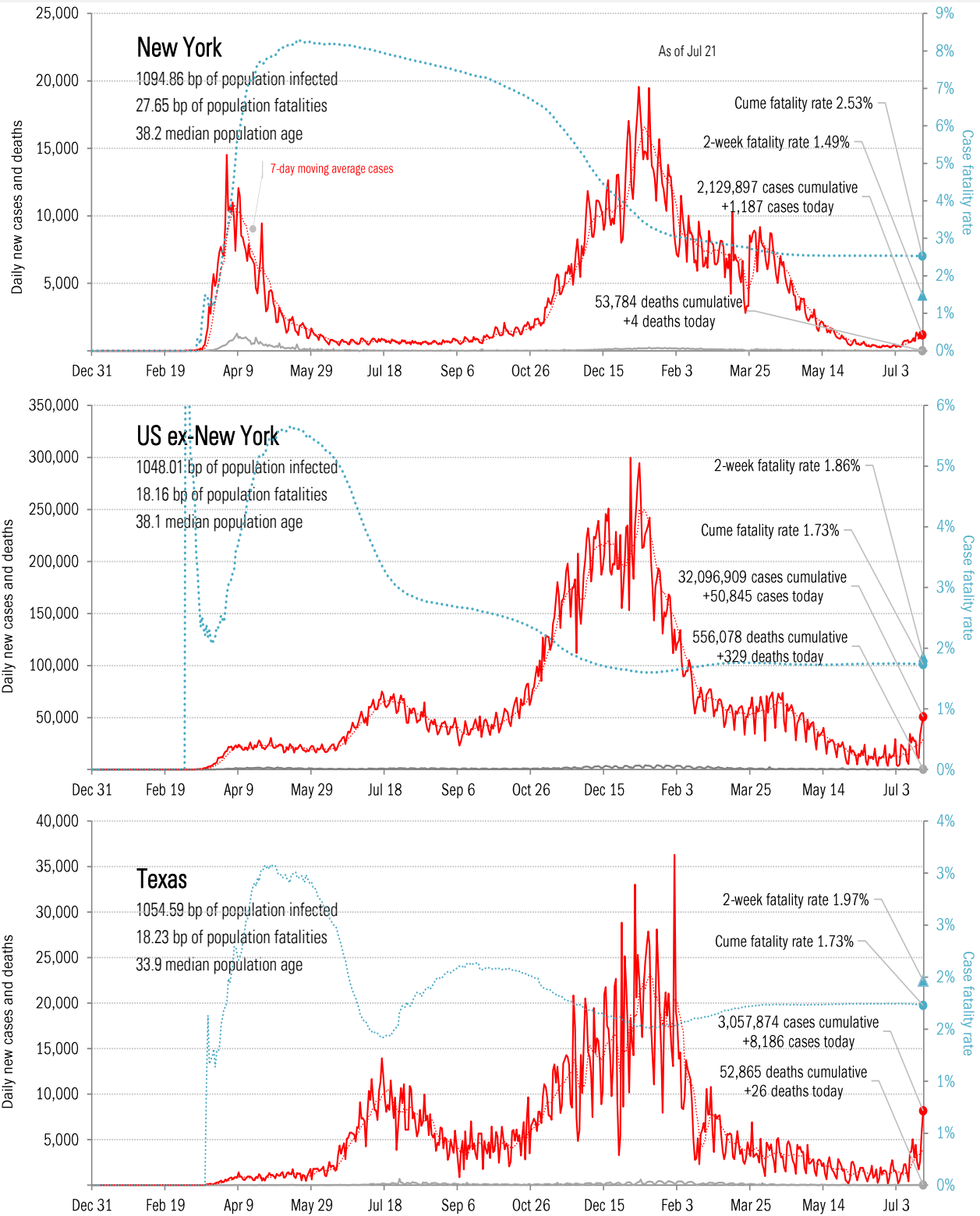
14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

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



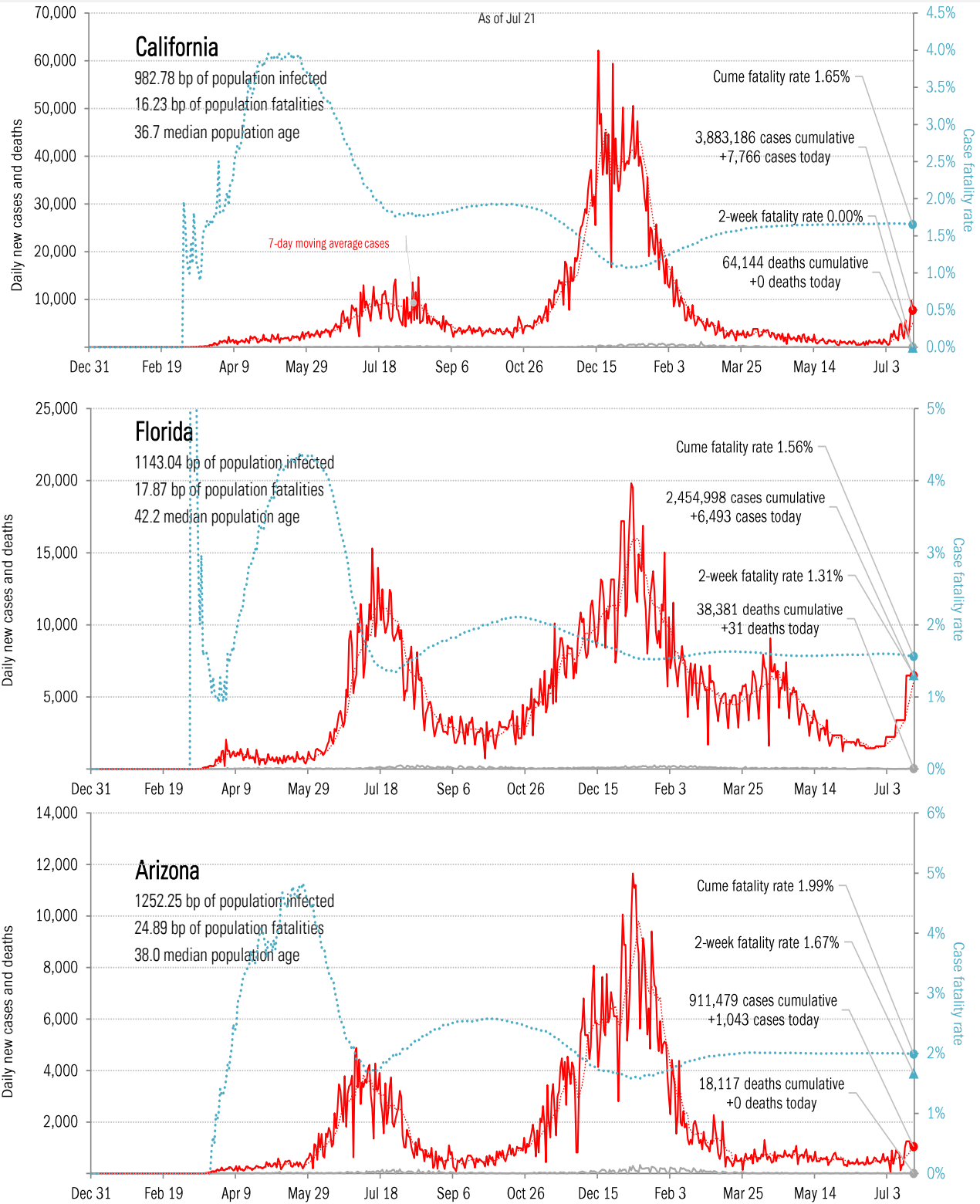
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



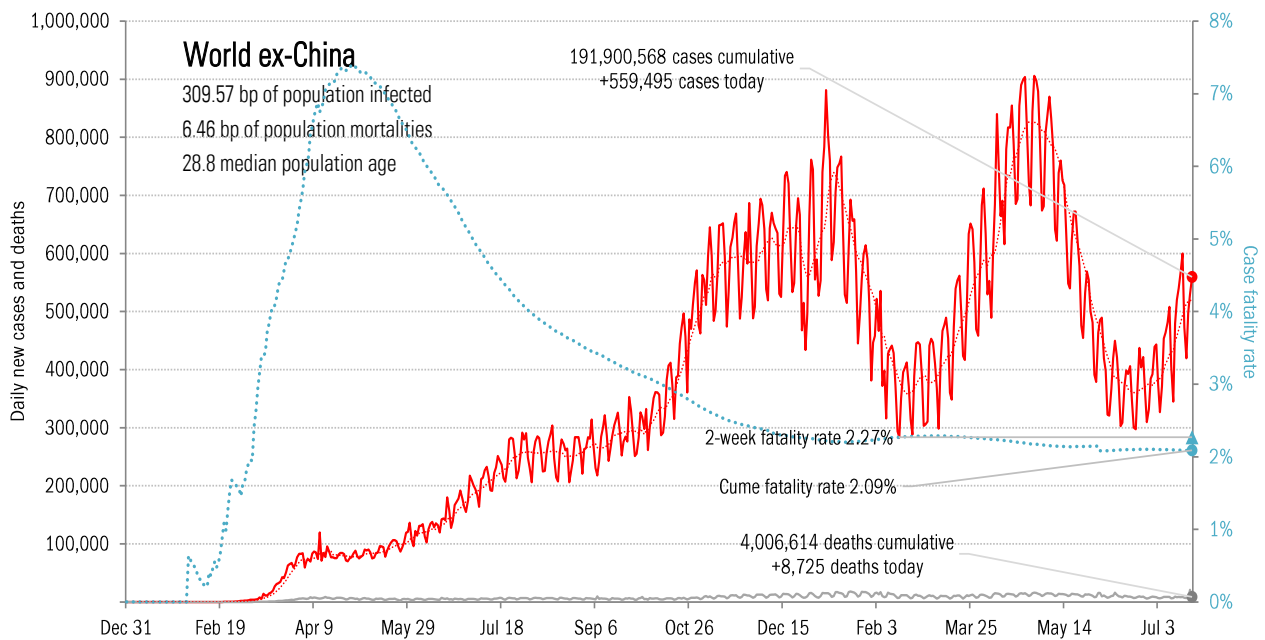
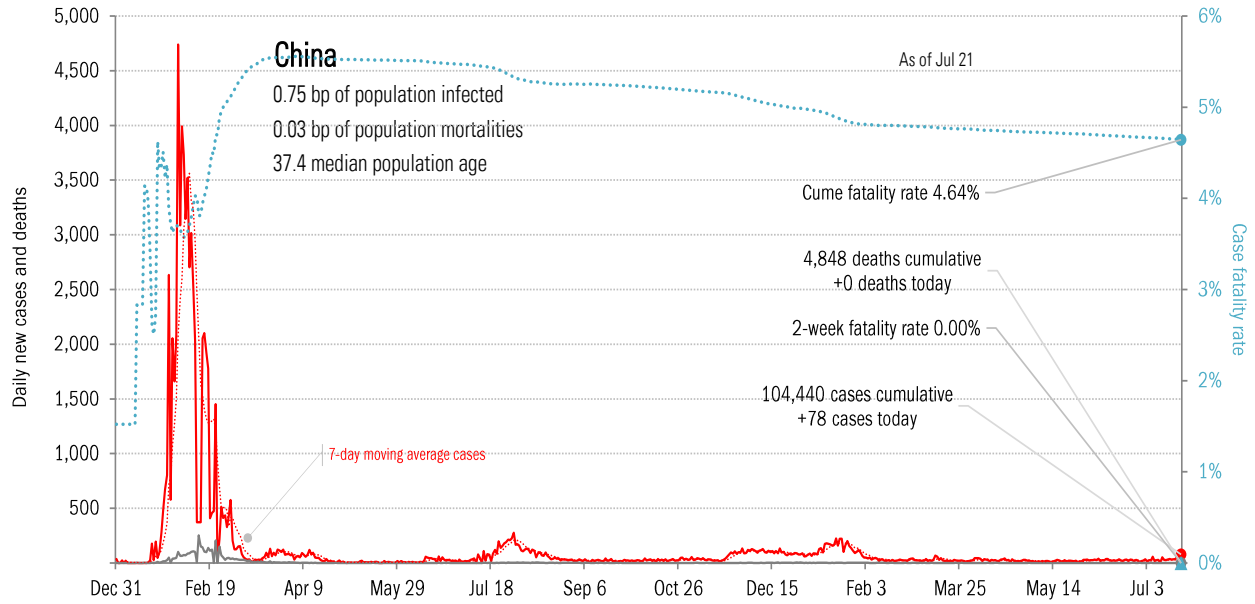
Source: [Johns Hopkins](#), TrendMacro calculations

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



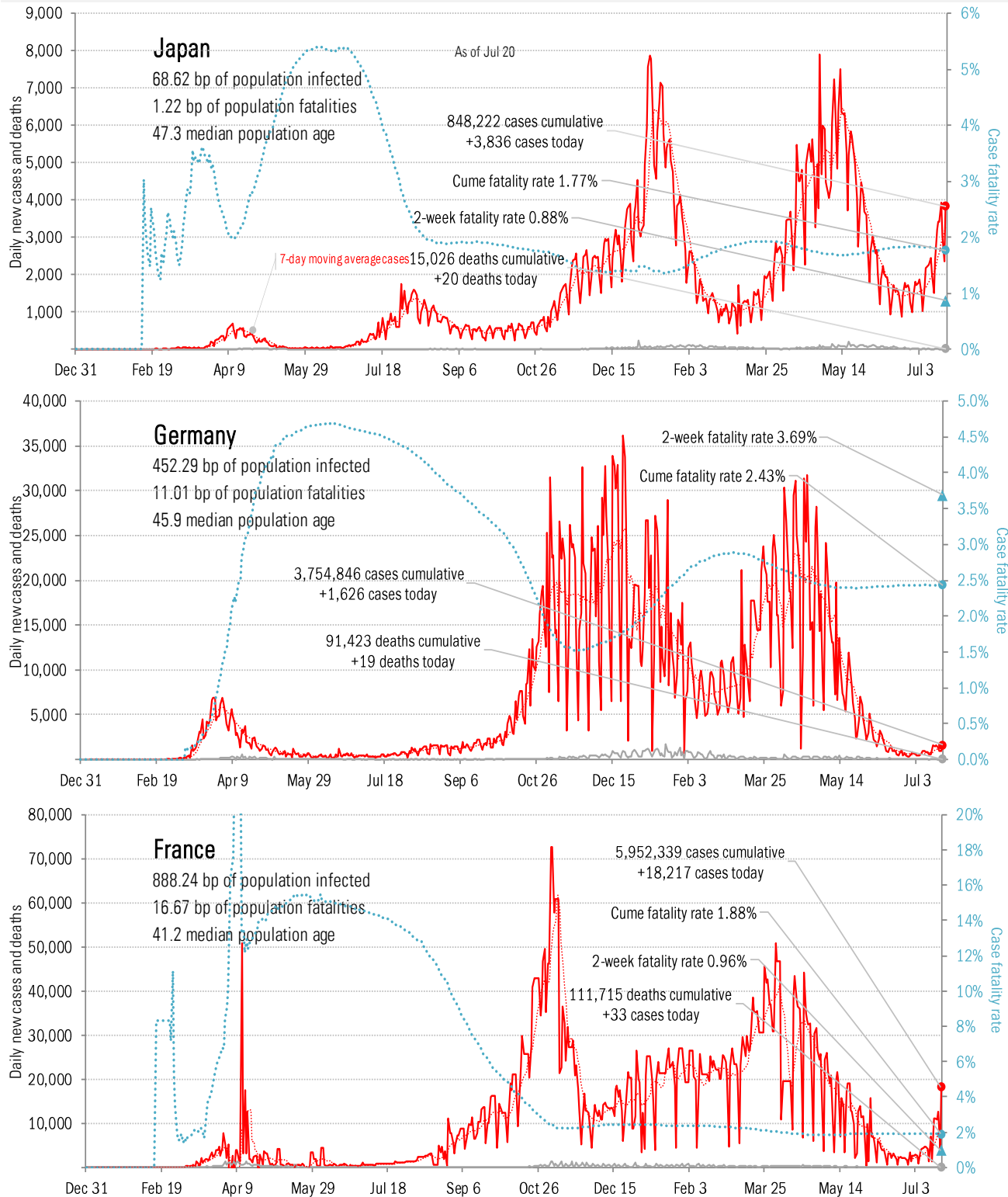
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



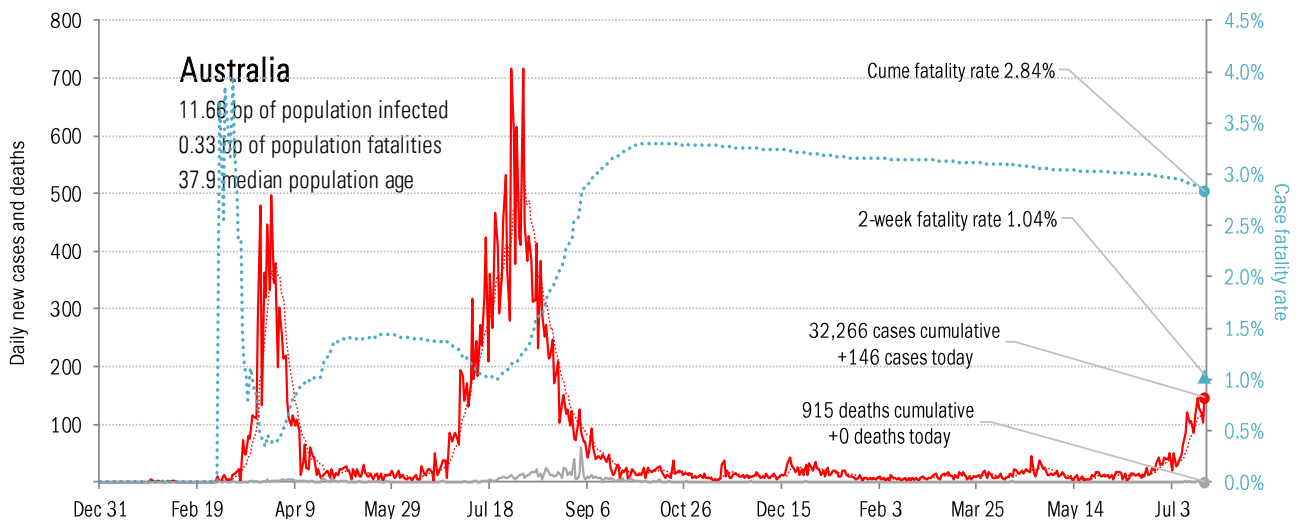
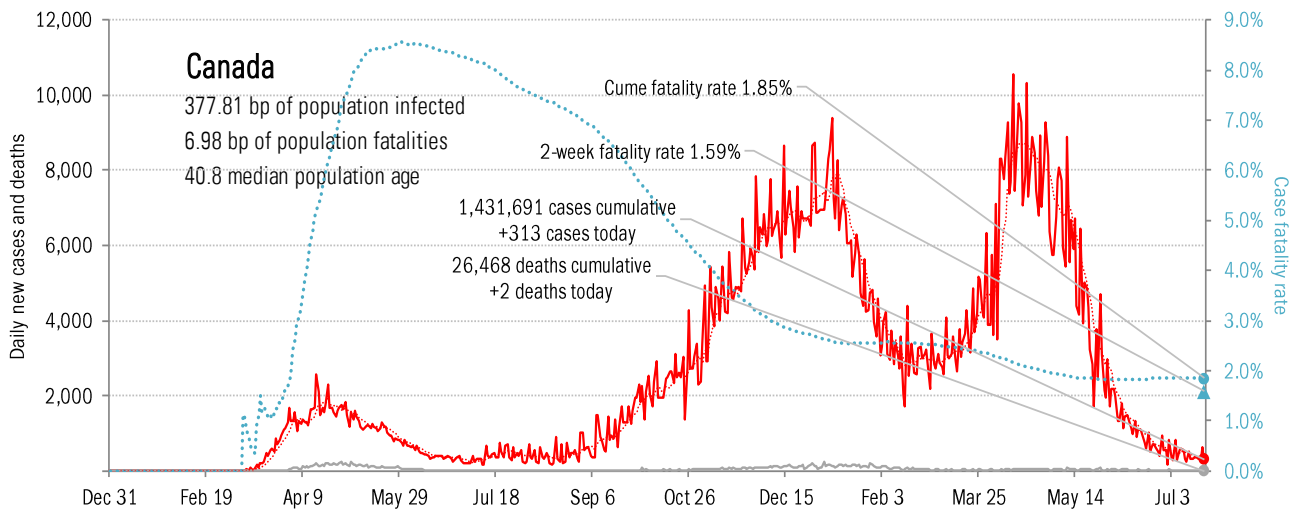
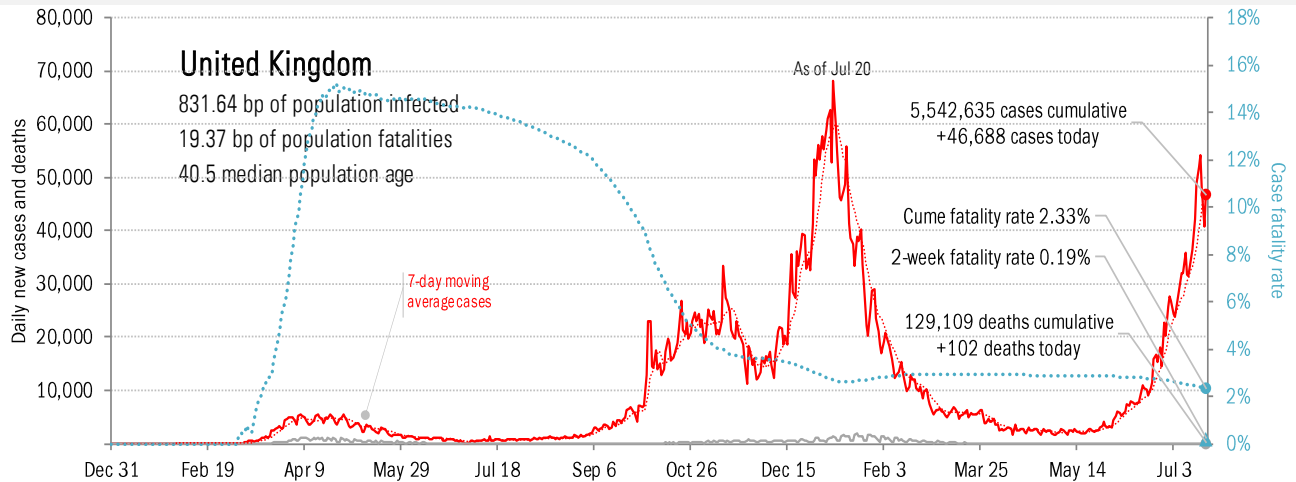
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

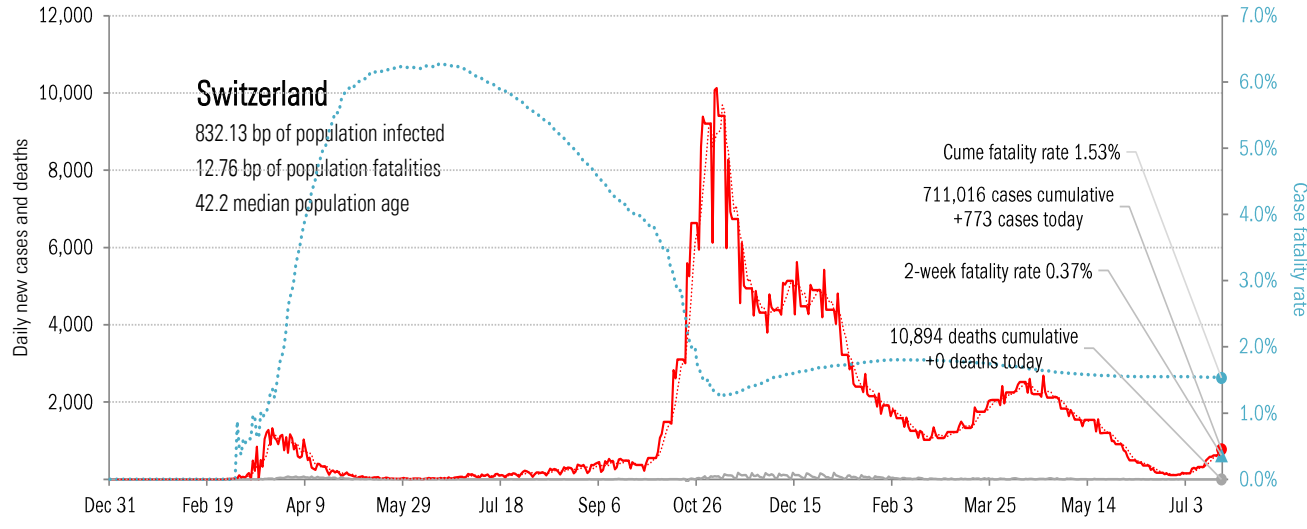
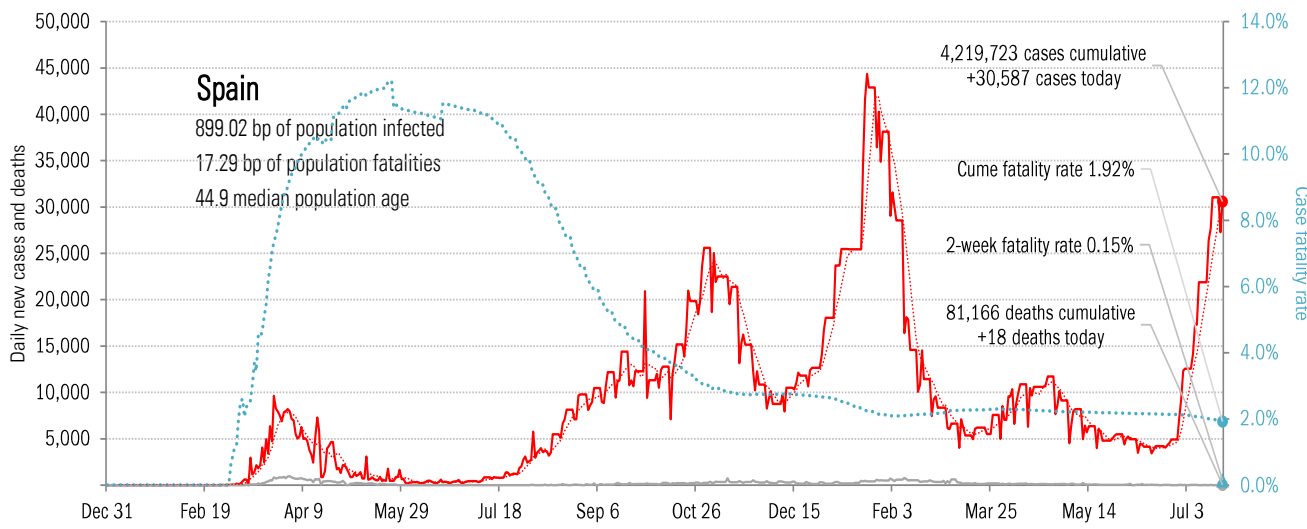
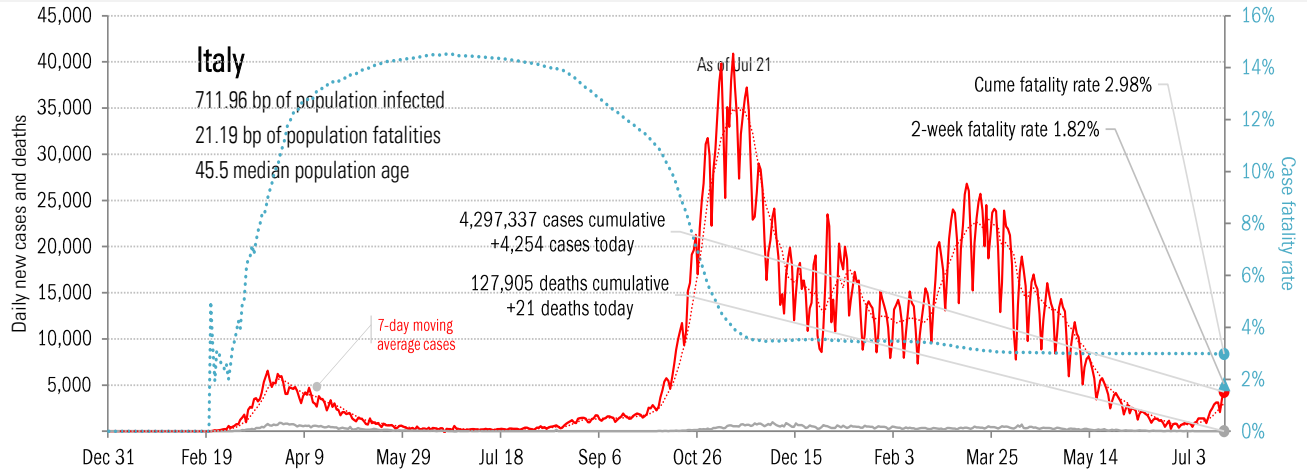
# Impact in The Anglosphere



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

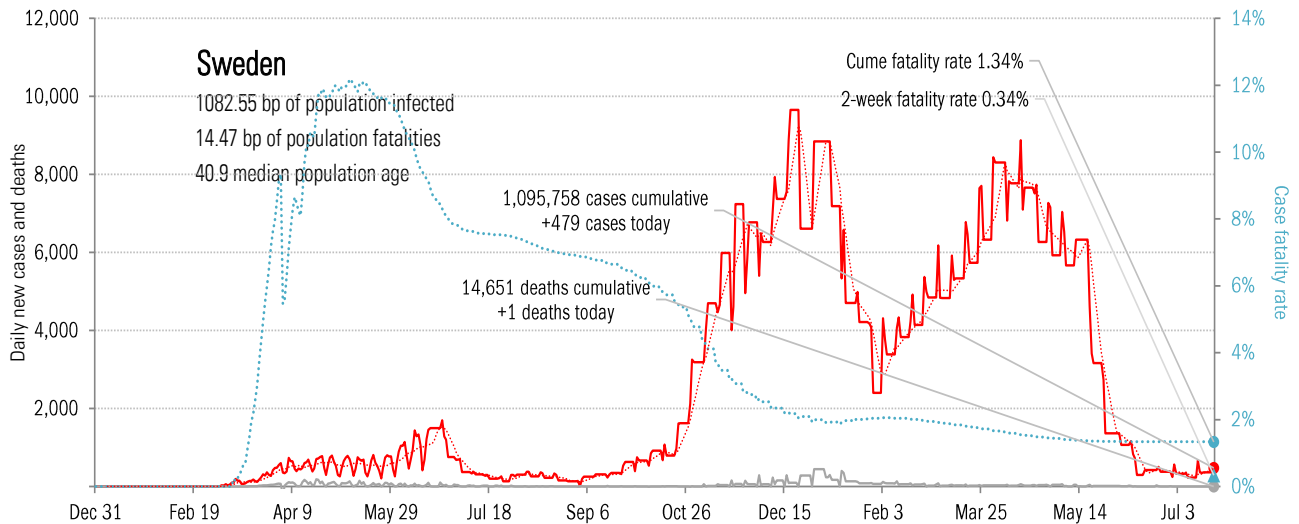
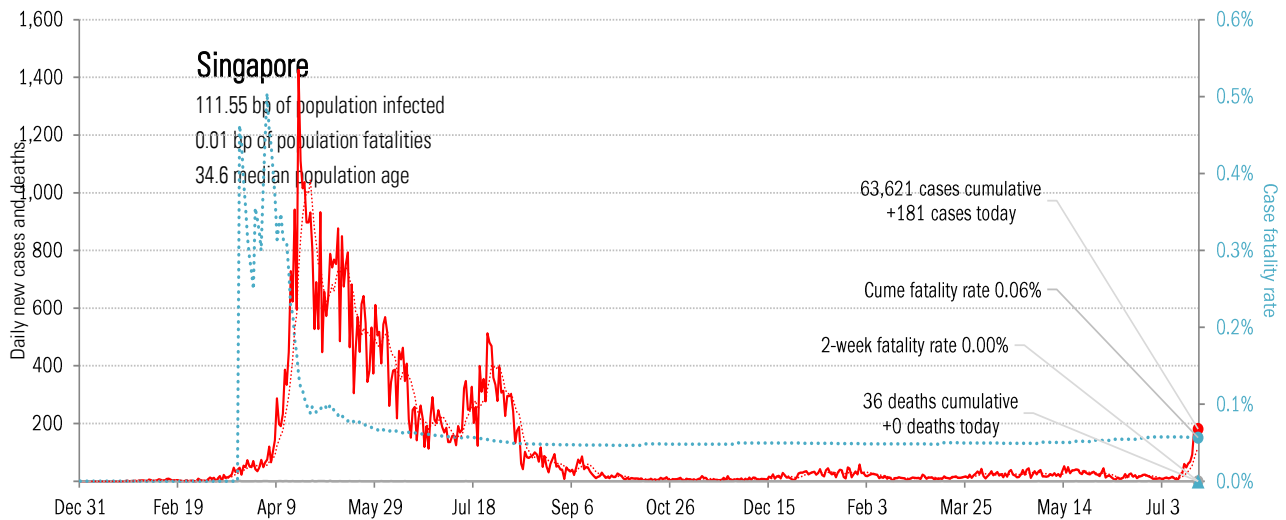
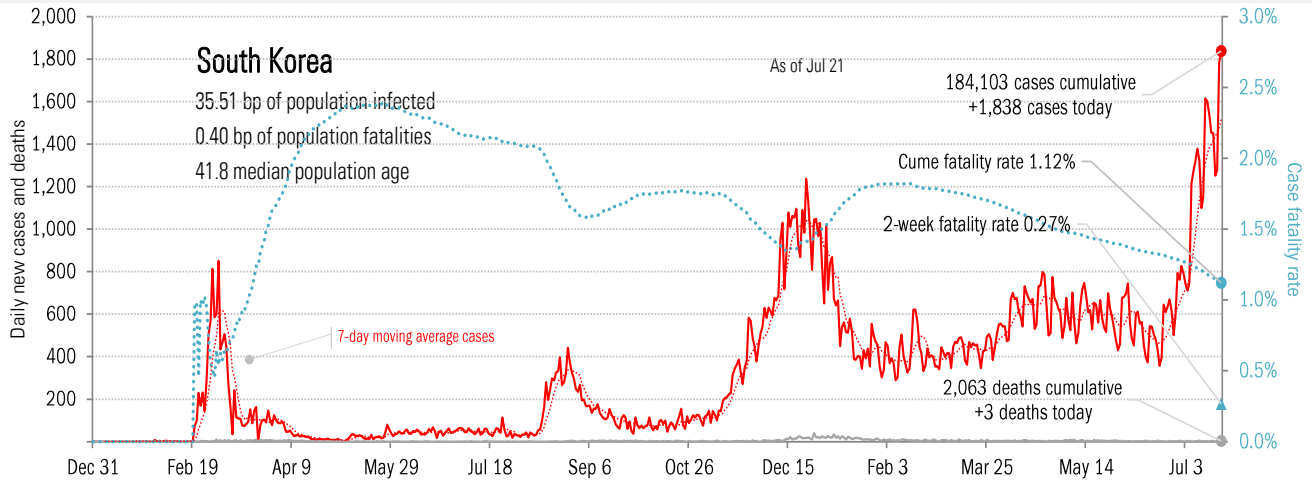


# Impact in continental Europe



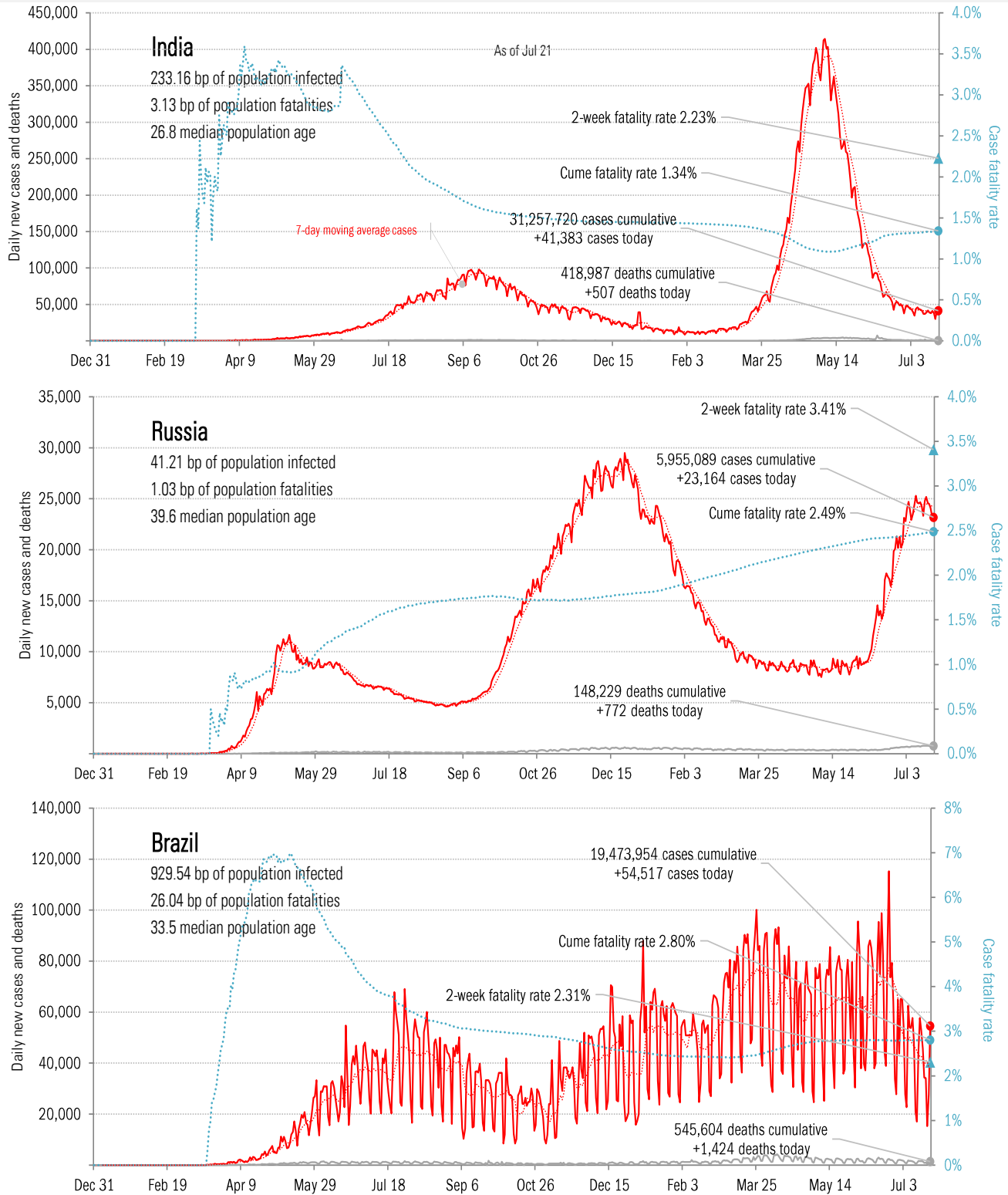
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



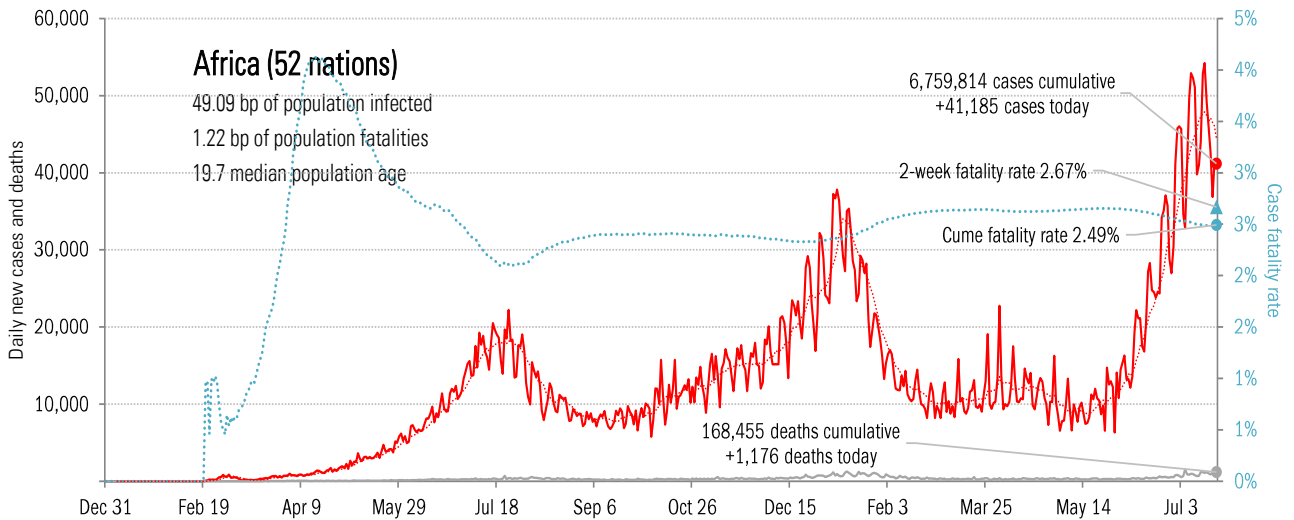
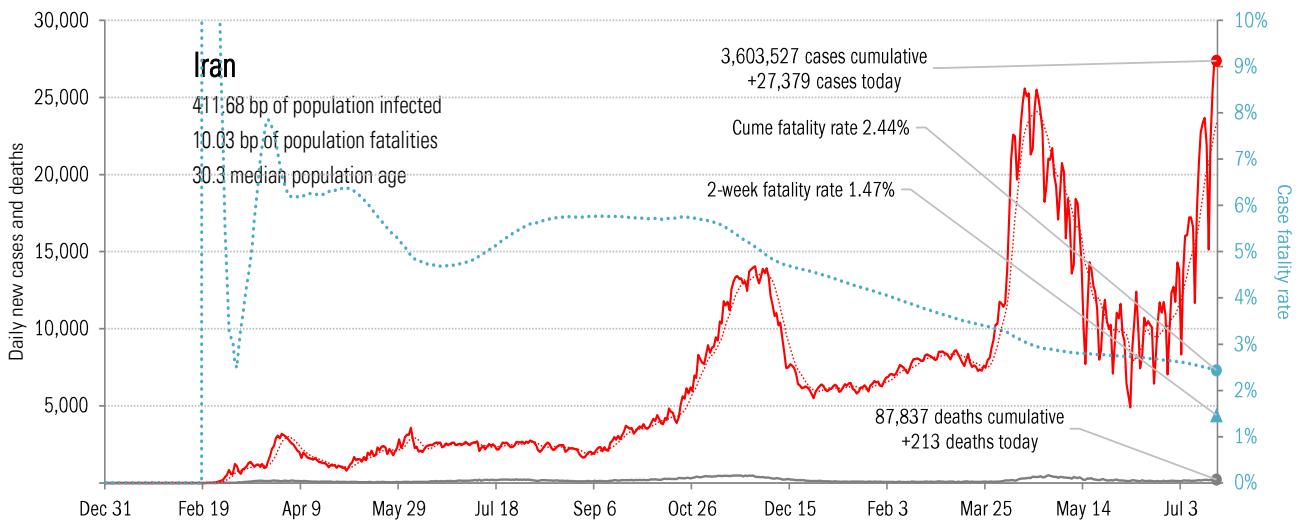
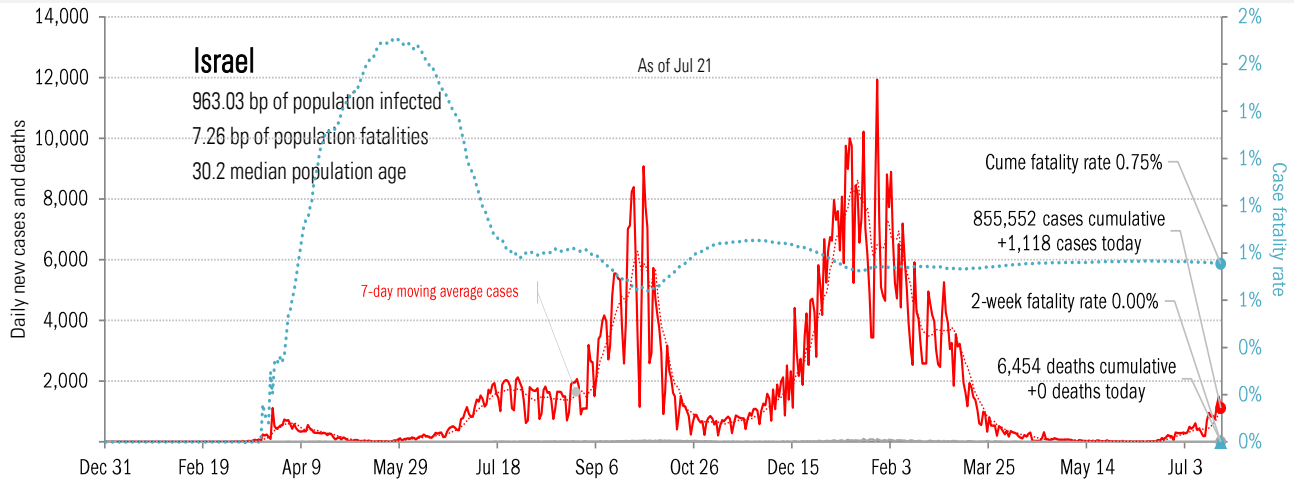
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



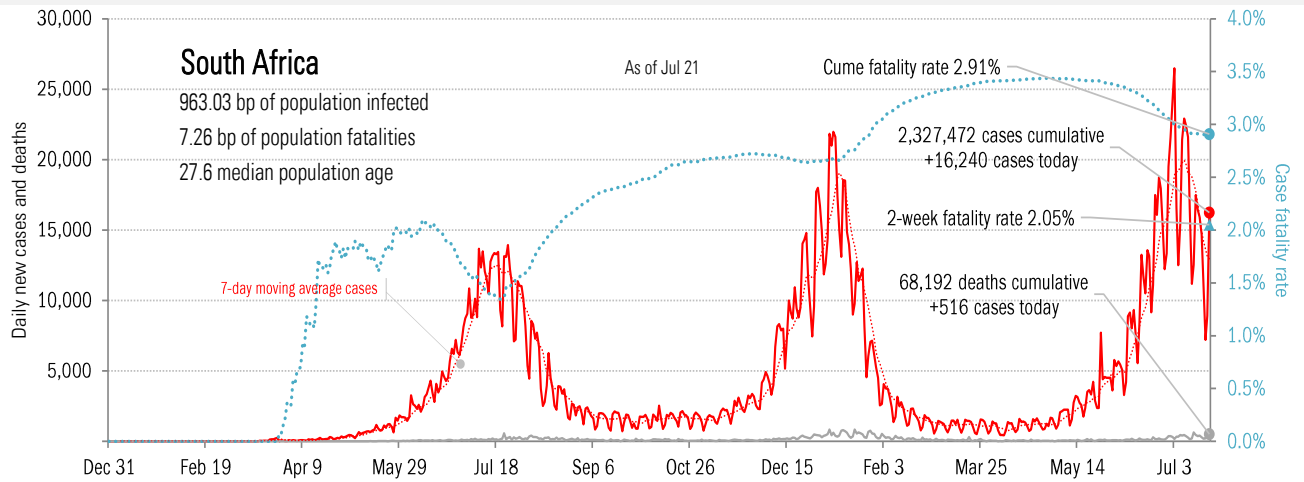
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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