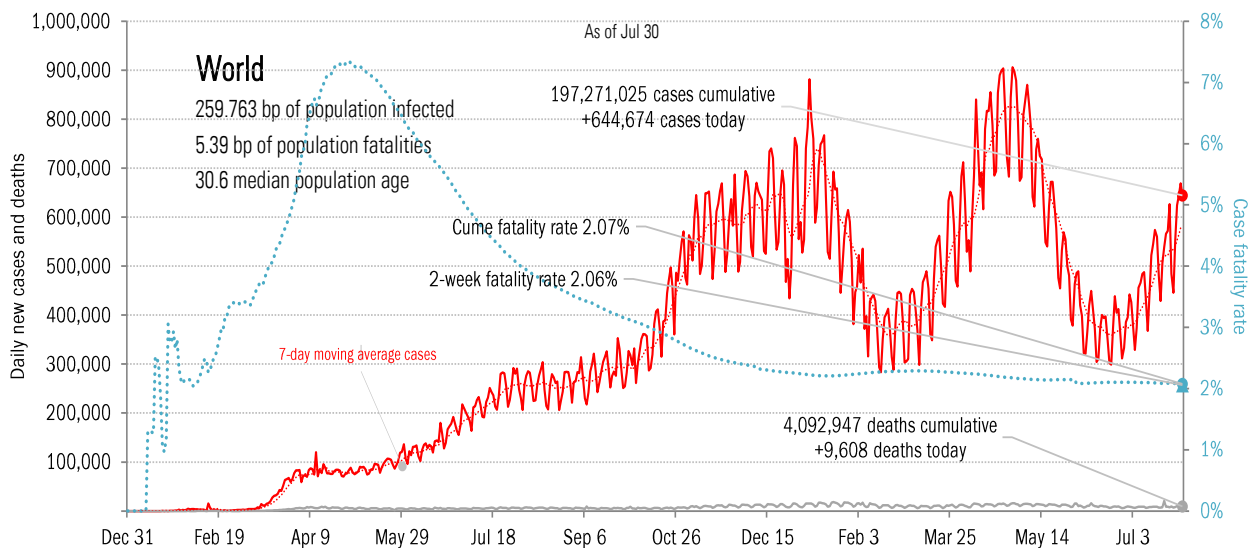
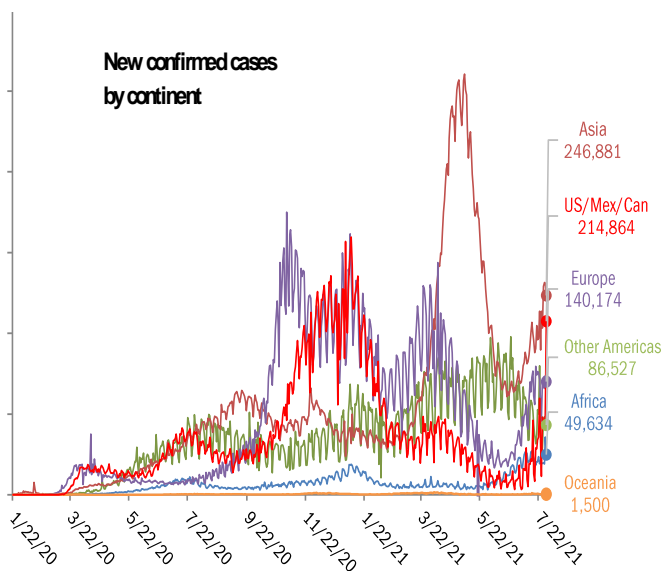


## Data Insights: Covid-2019 Monitor

Saturday, July 31, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+99,702	Indonesia	+1,759
India	+41,649	Brazil	+963
Indonesia	+41,168	United States	+891
Brazil	+40,904	Russia	+776
United Kingdom	+29,323	India	+593
Spain	+24,753	Argentina	+473
Iran	+24,715	Mexico	+459
France	+24,408	Burma	+390
Russia	+23,016	Colombia	+306
Turkey	+22,083	Iran	+270
<b>+371,721</b>		<b>+6,880</b>	
World	+644,674	World	+9,608
Top ten	58%	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](mailto:tdemas@trendmacro.com)

# The US scorecard

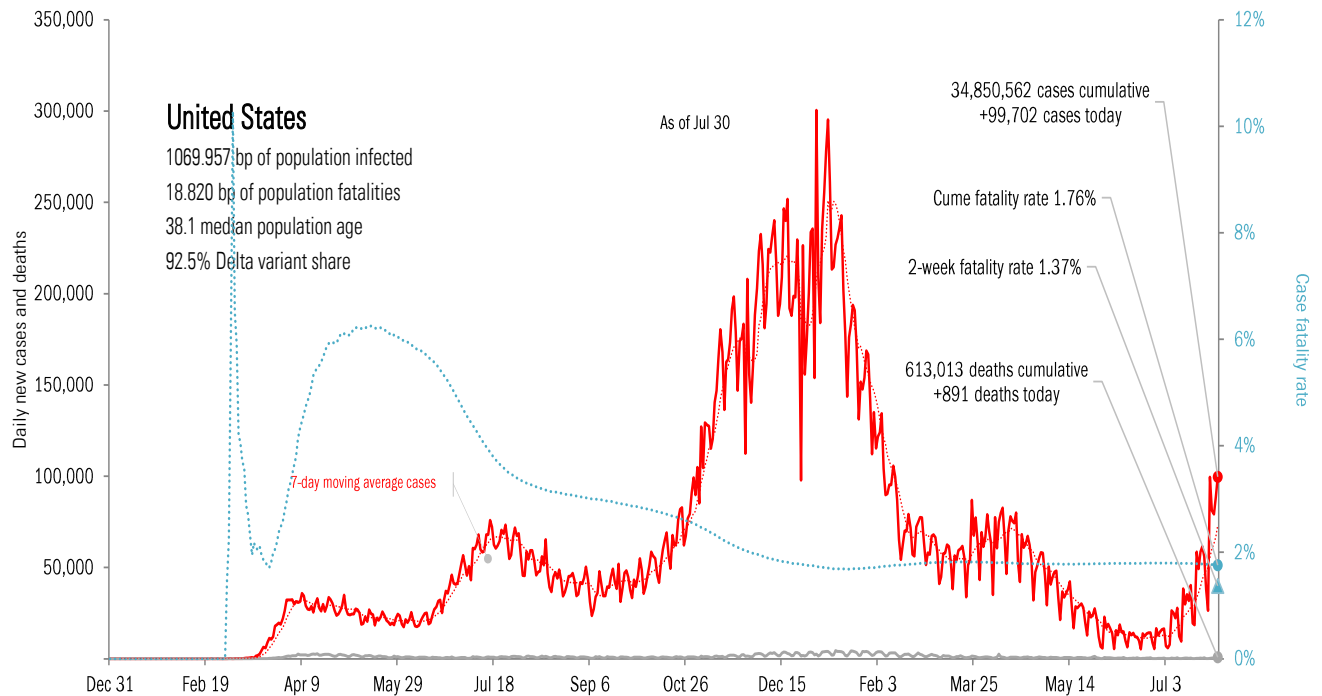
## The ten worst US states

New cases			New Deaths		New in hospital		Curre cases			Curre deaths		Curre in hospital		Hospital use		ICU use	
FL	+15,818		DE	+130	FL	+433	CA	3,956,303	CA	64,423	TX	264,374	RI	94%	MO	30%	
TX	+13,715		TX	+62	KY	+247	TX	3,133,639	NY	53,632	CA	247,246	MA	85%	AR	27%	
CA	+11,370		CA	+37	GA	+196	FL	2,539,328	TX	53,248	FL	203,472	MO	84%	NV	24%	
LA	+5,313		FL	+33	TX	+182	NY	2,147,318	FL	38,763	NY	138,130	MD	84%	FL	23%	
MO	+3,957		LA	+31	CA	+125	IL	1,419,611	PA	27,850	GA	112,999	FL	83%	UT	22%	
GA	+3,604		AZ	+24	AL	+86	PA	1,229,002	NJ	26,595	PA	92,705	GA	82%	MS	22%	
NC	+3,199		MI	+23	LA	+80	GA	1,179,449	IL	25,873	CH	89,345	PA	81%	TX	18%	
MI	+2,677		NC	+17	NC	+50	CH	1,127,808	GA	21,676	IL	84,235	NV	80%	OK	18%	
NY	+2,577		AR	+13	AR	+40	NC	1,048,076	MI	21,188	KY	81,212	CT	80%	AK	17%	
AR	+2,544		NV	+12	MO	+37	NJ	1,038,171	CH	20,492	MI	74,003	MN	79%	WY	15%	
+64,774			+382		+1,476		18,818,705			353,740		1,387,721					
All states	+99,702		+515		+1769		All states	34,850,562	613,013		2,470,591		All states	70%	67%		
Top ten	65%		74%		83%		Top ten	54%	58%		56%		Median	73%	8%		

Some states not reporting

## Five most improved US states

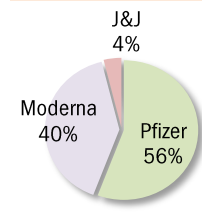
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
GA	-1,008	FL	-26	NV	-55	IL	+20 bp
TX	-1,001	WA	-16	AZ	-49	MA	+20 bp
PA	-486	NV	-14	KS	-36	MT	+20 bp
TN	-363	SC	-10	UT	-28	CH	+20 bp
FR	-312	CA	-8	TN	-23	FR	+20 bp



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	354,829,237		+0.870 million		US	49.1%	57.0%	
	One dose	% Pop	Immune	% pop	New immune today	UK	55.9%	68.9%
Total population	195,280,582	58%	168,467,189	50%	+0.320 million	France	47.1%	61.7%
Age 12 to 17	10,645,741	42%	8,221,749	33%	+0.058 million	Spain	57.1%	67.6%
Age 18 to 64	133,668,117	66%	114,832,795	56%	+0.223 million	Germany	51.6%	61.2%
Age 65 and over	50,743,001	93%	45,282,776	83%	+0.038 million	Italy	51.6%	63.4%



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



Every American >18 immune in **148 days** by Dec 25, 2021  
 62.0% of population >18 immunized  
 11.9% previously tested positive  
**73.9%** vs 60% adult herd immunity\*

Australia	14.6%	32.5%
Israel	62.1%	66.8%
Canada	58.6%	71.4%
Japan	27.8%	38.6%
Africa	1.7%	3.5%
India	7.4%	26.1%
Brazil	19.1%	48.7%

Global data differs from sources, timing

AK	51.4%
	45.5%

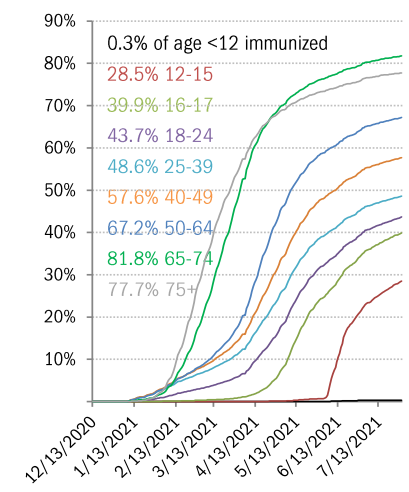
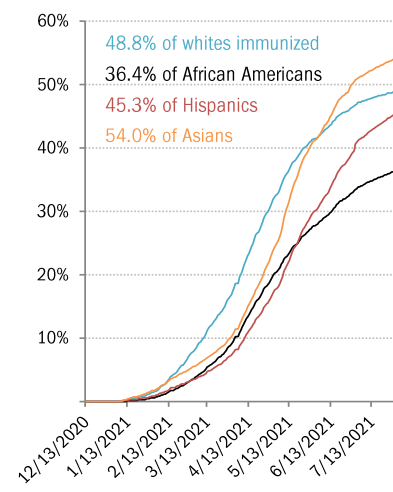
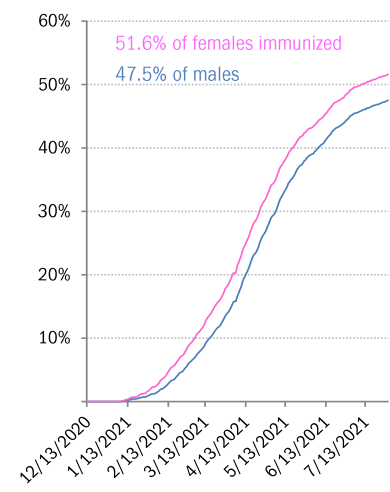
WI	55.5%
	51.7%

As of Jul 30

ME	68.3%
	63.5%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
63.9%	41.1%	49.4%	45.4%	58.8%	62.2%	53.0%	62.9%	75.5%	64.6%	
57.6%	37.3%	44.3%	40.1%	53.7%	48.5%	48.8%	57.0%	67.5%	58.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
60.6%	53.5%	41.6%	52.7%	53.2%	47.1%	49.8%	65.4%	65.8%	72.6%	
55.9%	44.3%	36.6%	46.9%	49.6%	44.2%	46.5%	52.3%	58.3%	63.9%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
64.7%	51.9%	60.2%	53.8%	48.6%	51.9%	46.0%	61.6%	64.6%	69.8%	67.3%
52.7%	44.7%	54.3%	49.4%	41.2%	45.5%	39.0%	54.4%	58.7%	63.2%	61.4%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
52.9%	65.3%	53.2%	46.6%	44.6%	51.1%	46.6%	63.8%	60.6%		
45.2%	57.0%	45.1%	36.3%	39.0%	43.7%	40.6%	54.7%	52.6%		
OK	LA	MS	AL	GA						
47.8%	42.1%	39.7%	43.2%	46.2%						
40.2%	36.8%	34.5%	34.3%	38.7%						
TX										
51.5%										
43.7%										
HI							FL		PR	
71.3%							57.5%		68.8%	
53.5%							48.8%		59.9%	

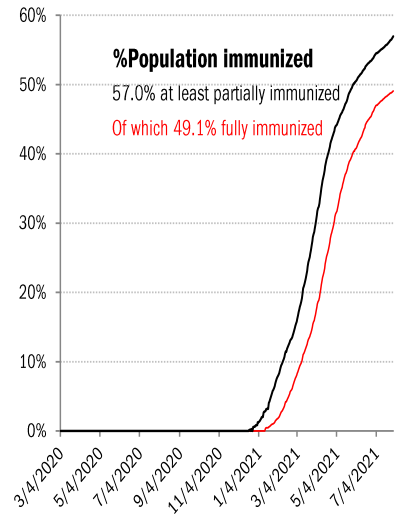
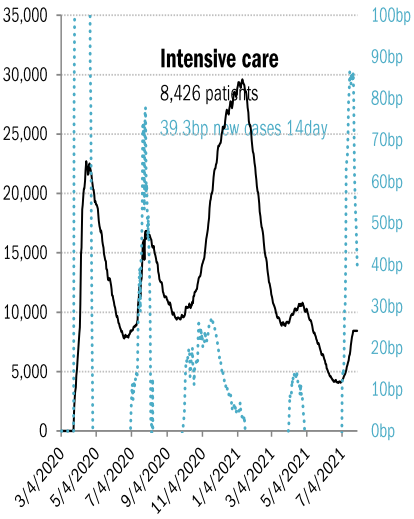
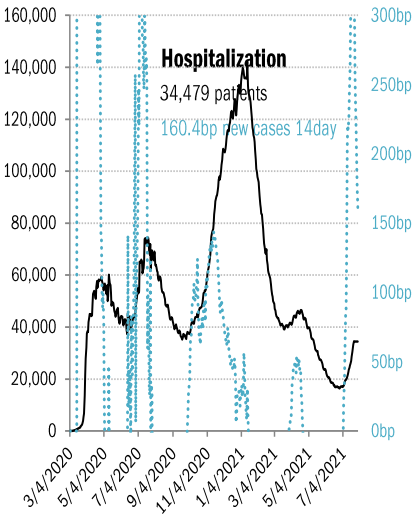
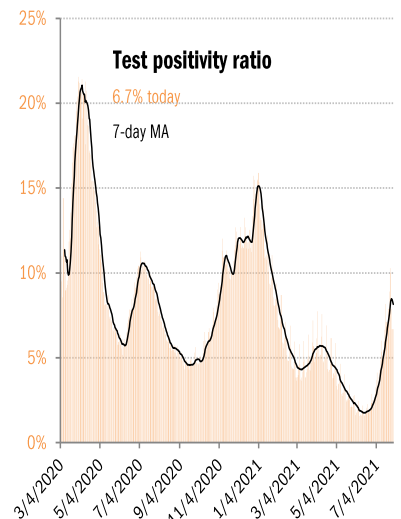
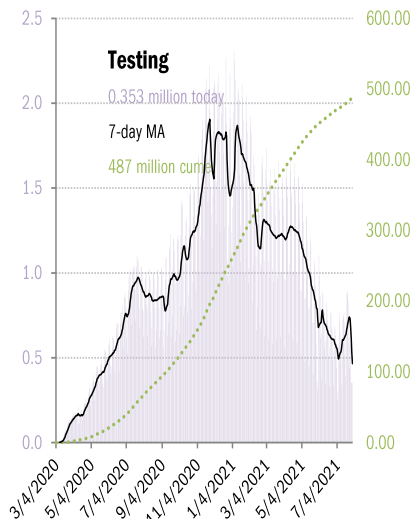
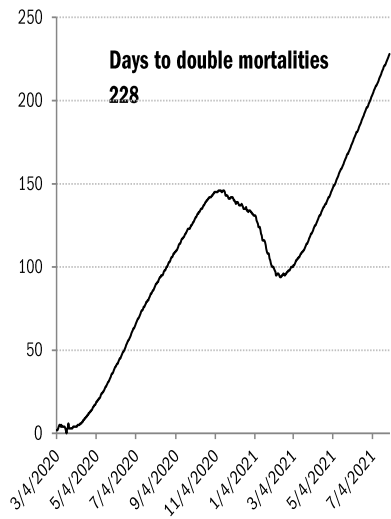
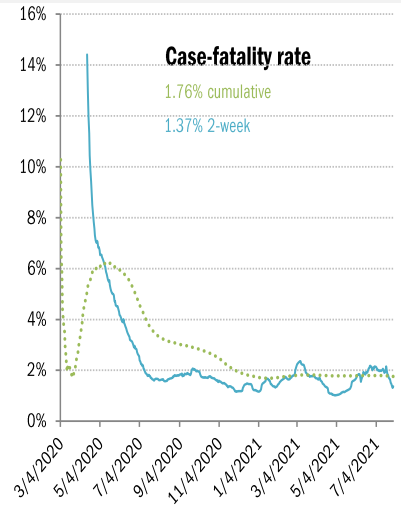
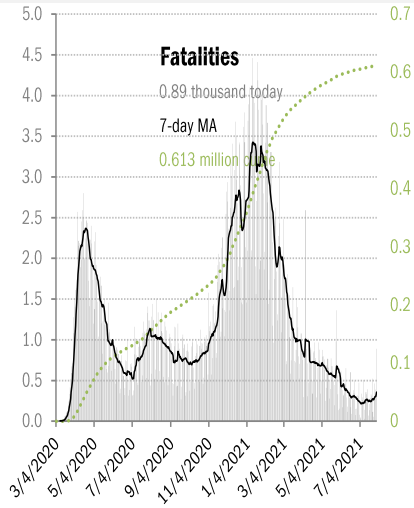
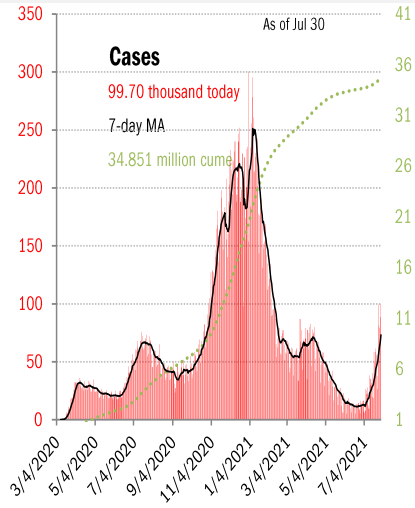
## The demographics of US vaccination



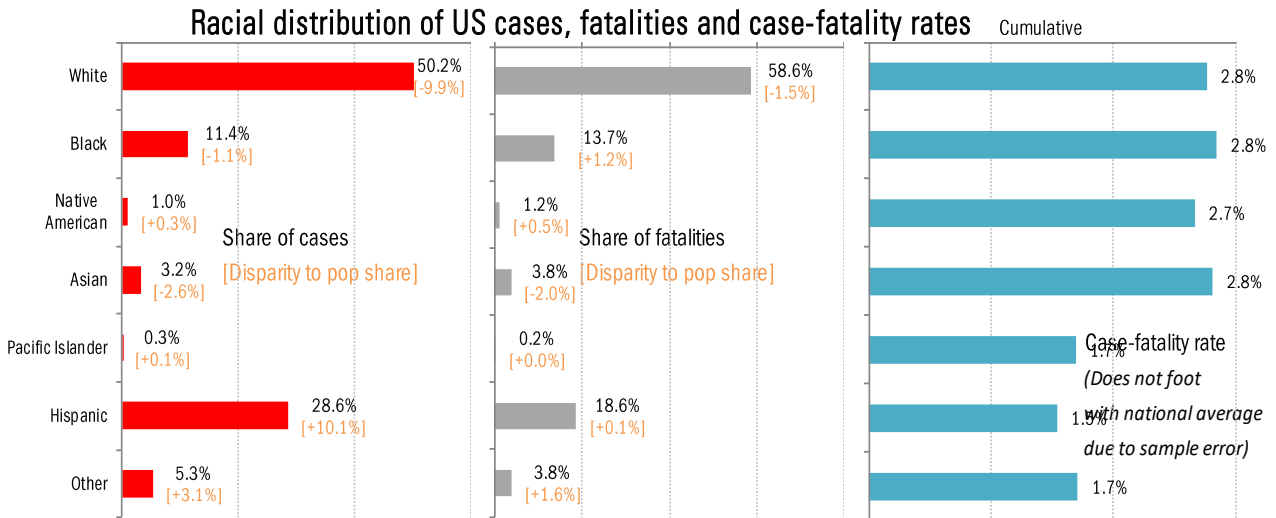
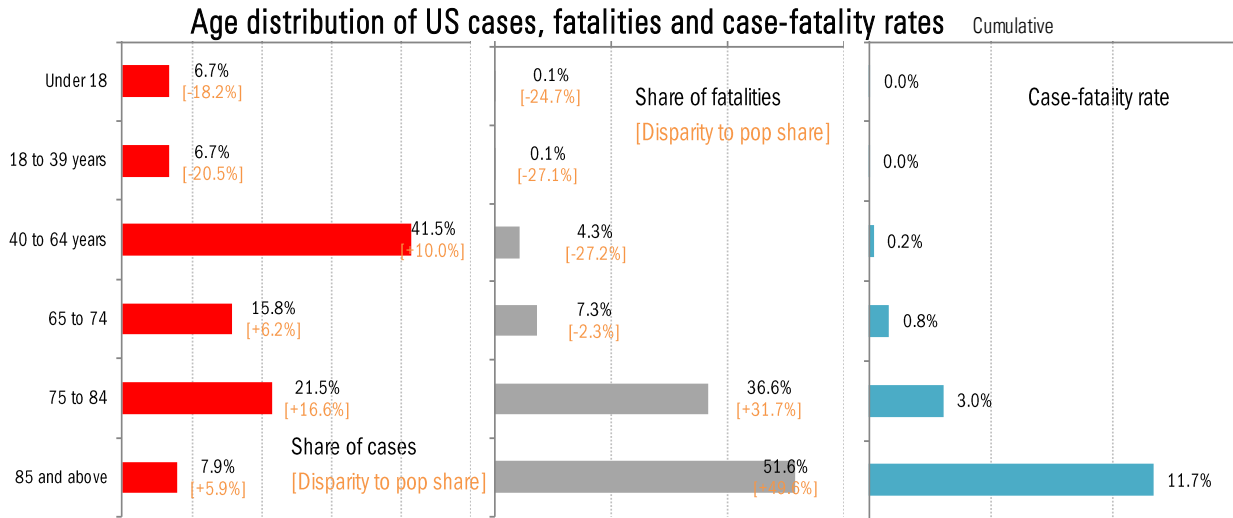
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

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

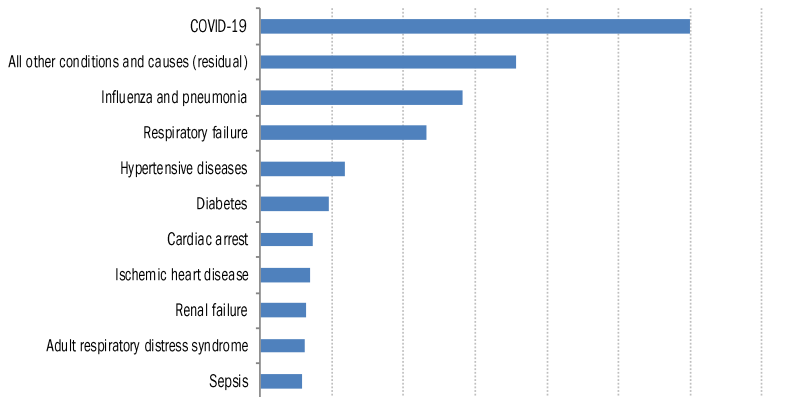


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### 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

[Outbreak of SARS-CoV-2 Infections, Including COVID-19 Vaccine Breakthrough Infections, Associated with Large Public Gatherings — Barnstable County, Massachusetts, July 2021](#)

Catherine M. Brown et al.  
*CDC*  
July 30, 2021

[The CDC's Delta Variant Panic](#)

*Wall Street Journal*  
July 30, 2021

[Let It Rip](#)

Andrew Sullivan  
*Weekly Dish*  
July 30, 2021

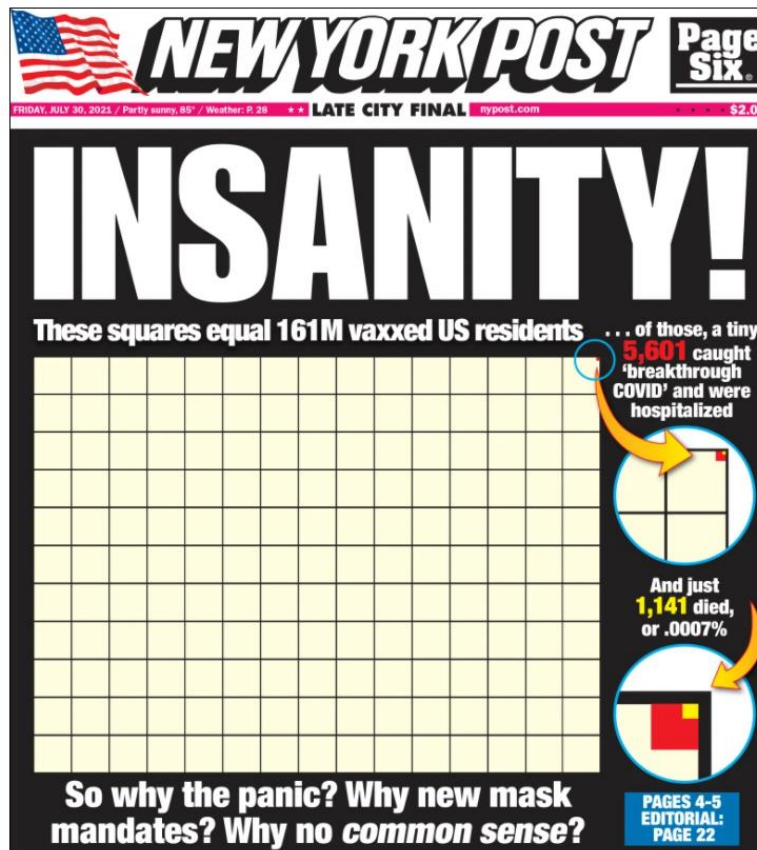
['What's Covid?' Why People at America's Hardest-Partying Lake Are Not About to Get Vaccinated](#)

Natasha Korecki  
*Politico*  
July 27, 2021

['Back to the 1970s': Summer camps hobbled by staff and supply shortages](#)

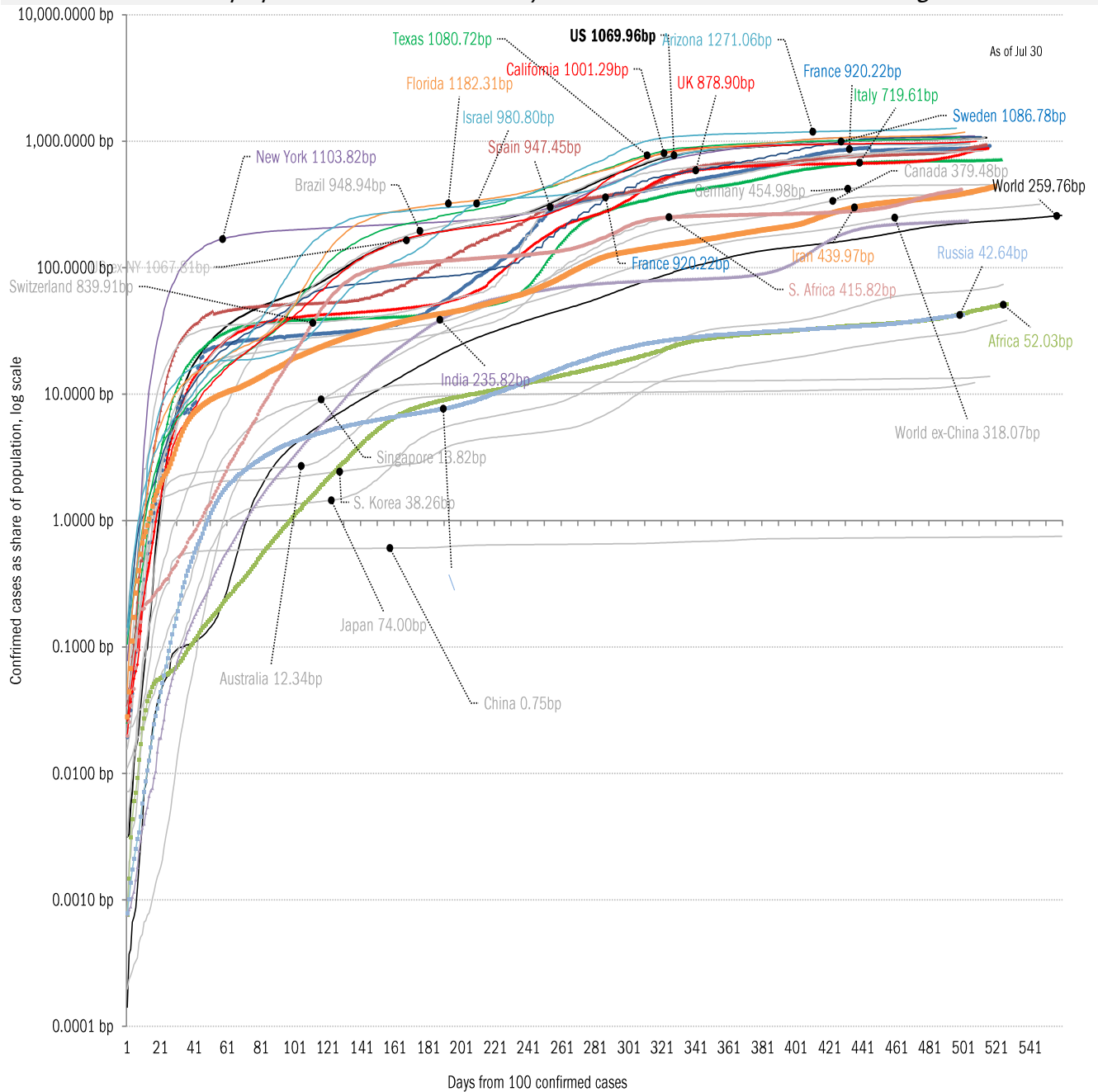
Joshua Chaffin  
*Financial Times*  
July 29, 2021

## Meme of the day



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

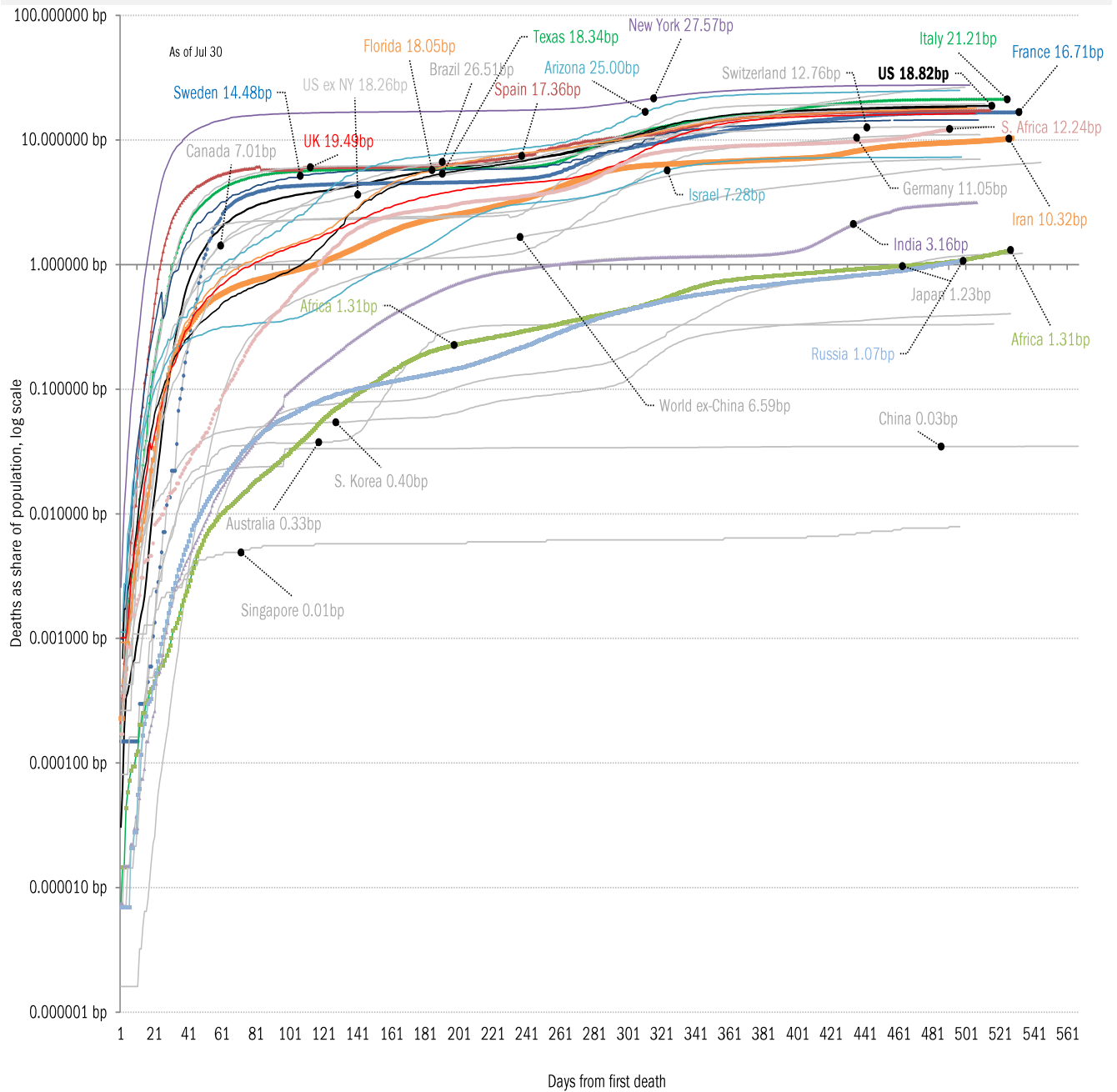
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



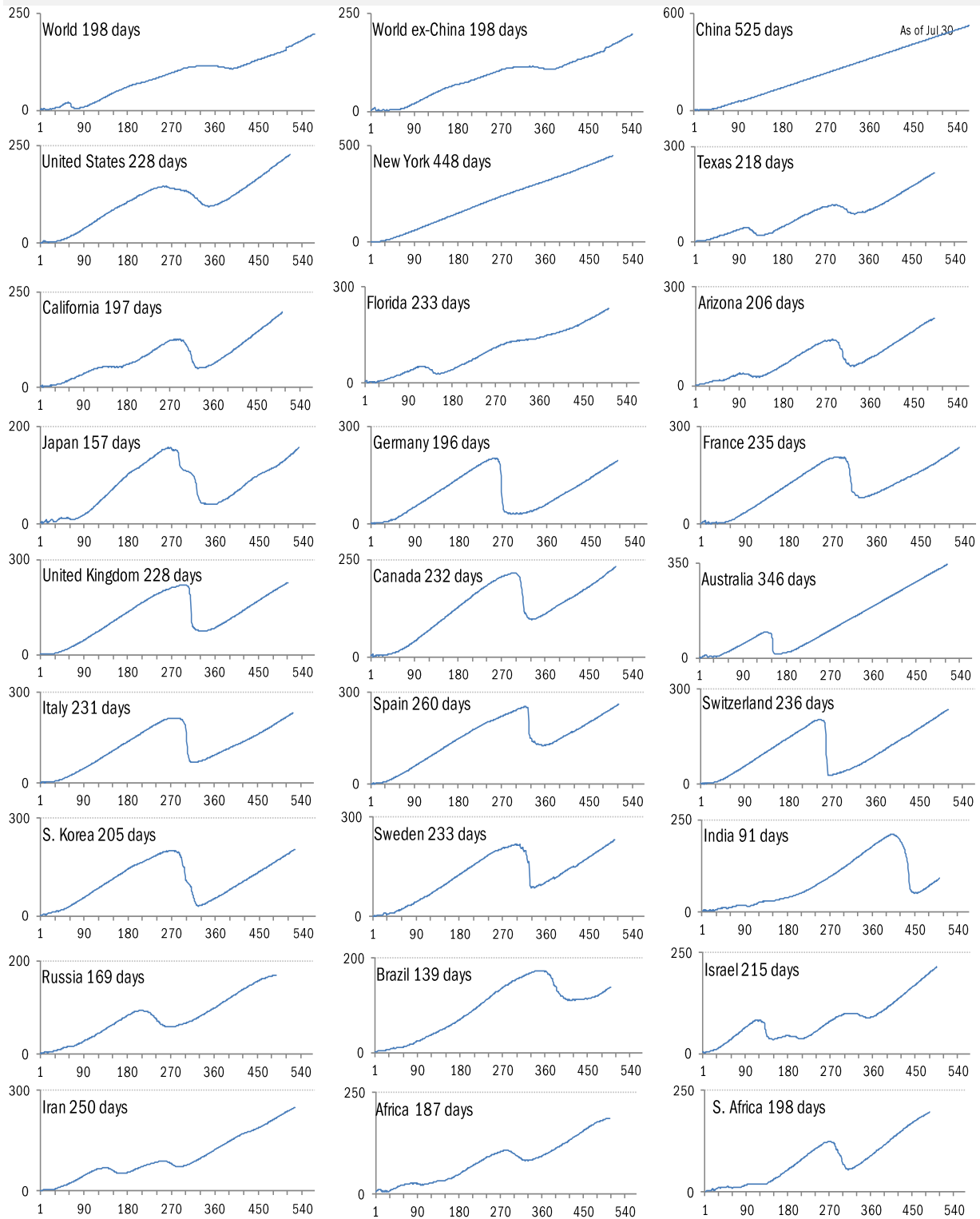
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

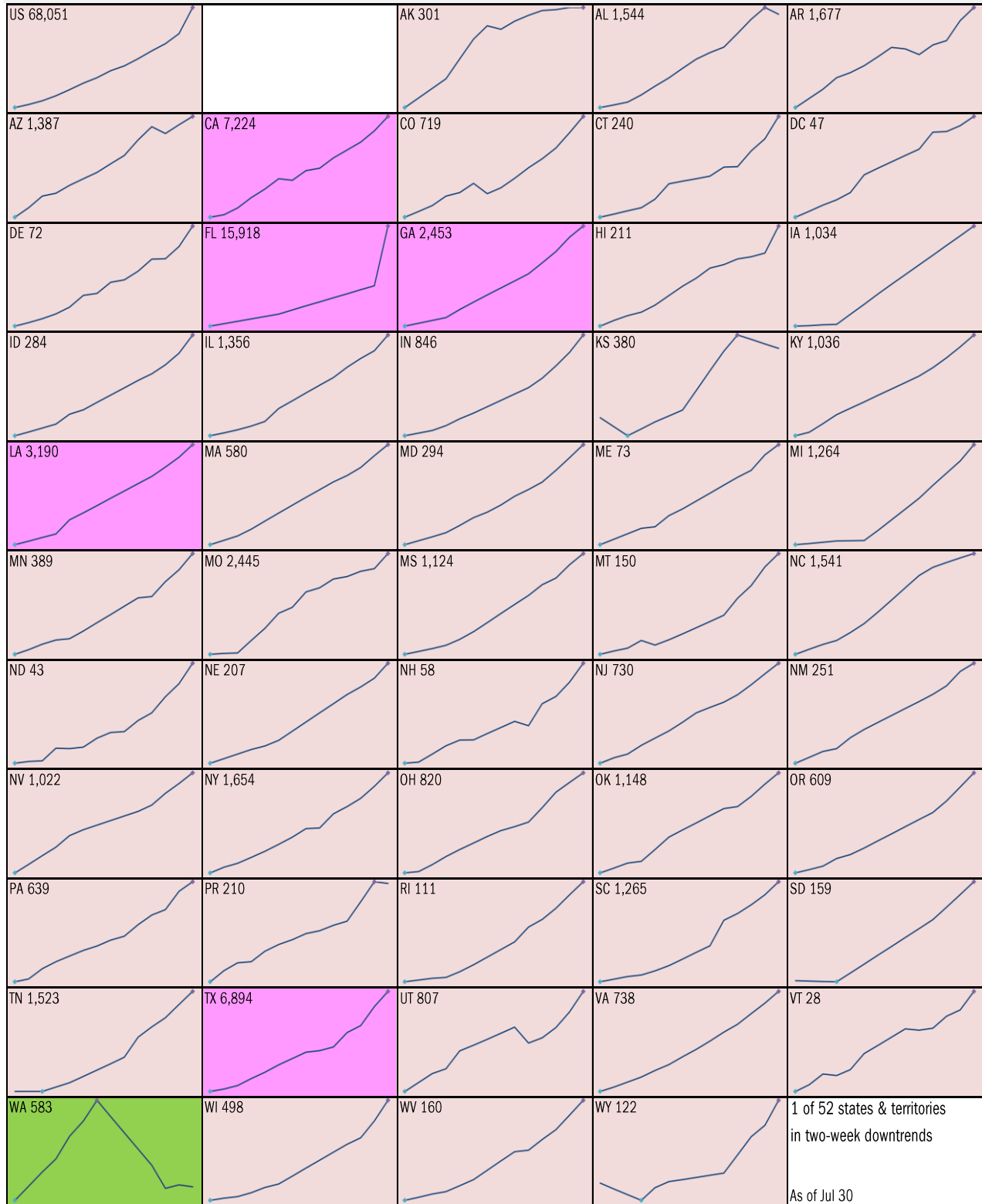


Source: [Johns Hopkins](#), TrendMacro calculations

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

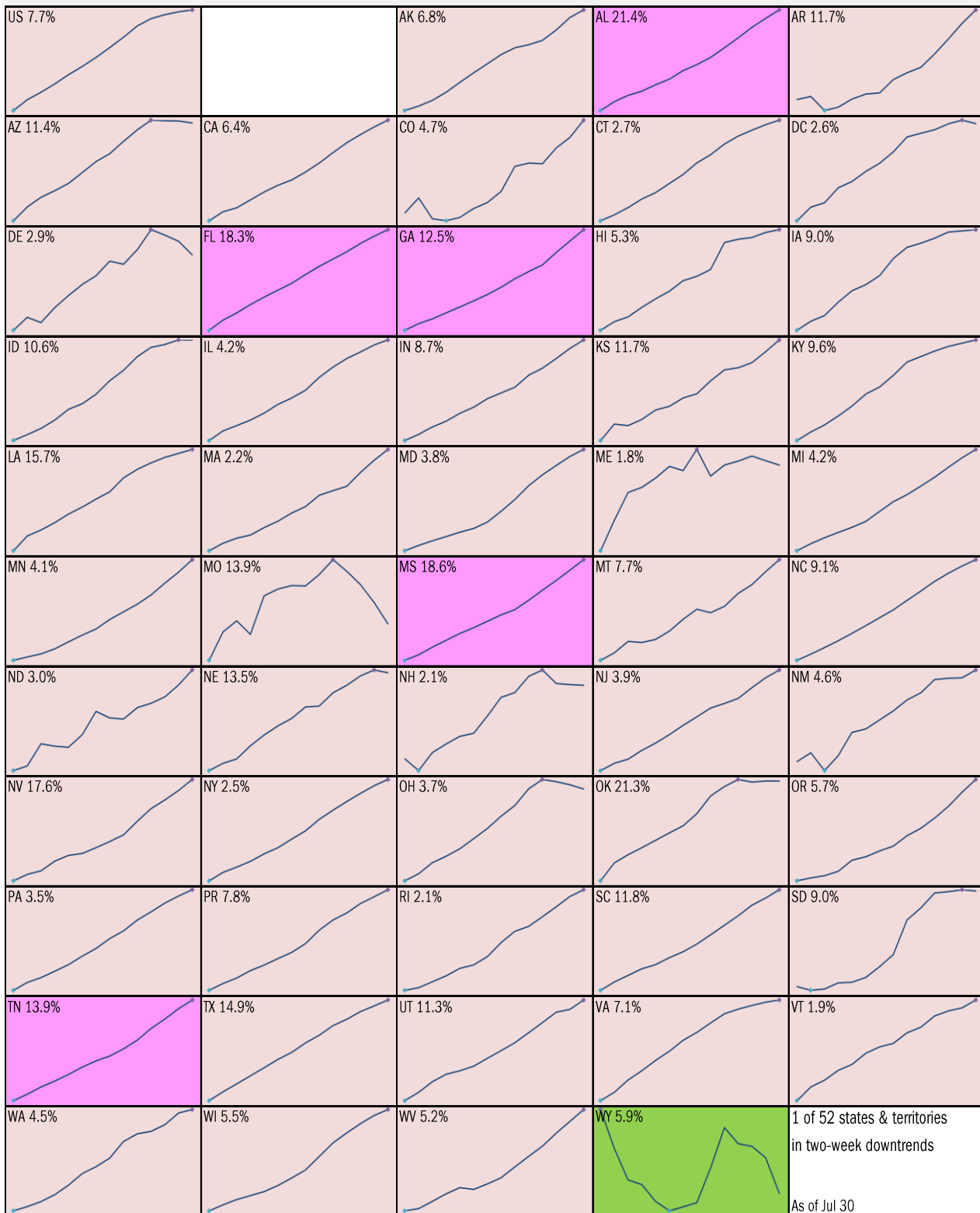


Source: [Johns Hopkins](#), TrendMacro calculations

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

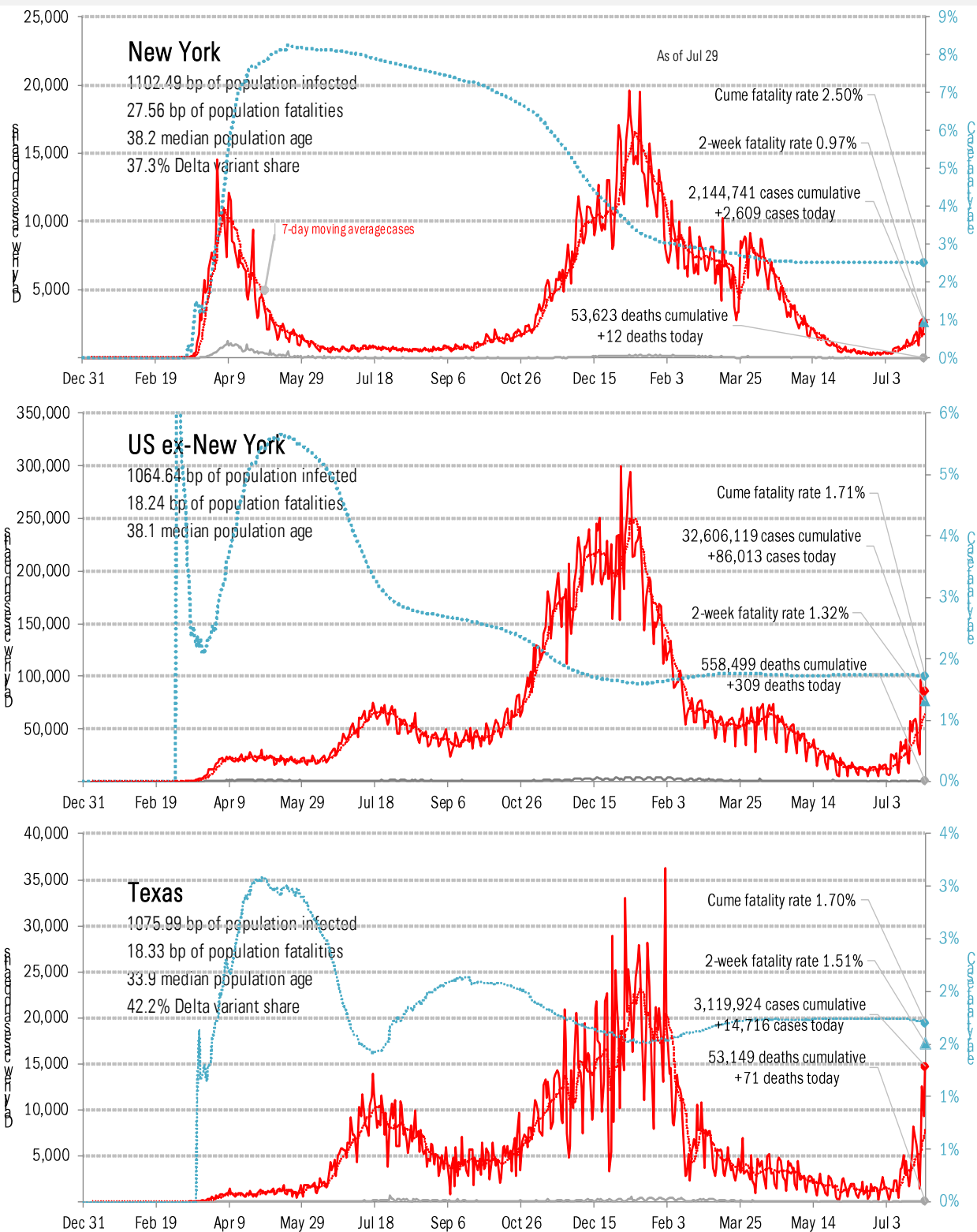
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



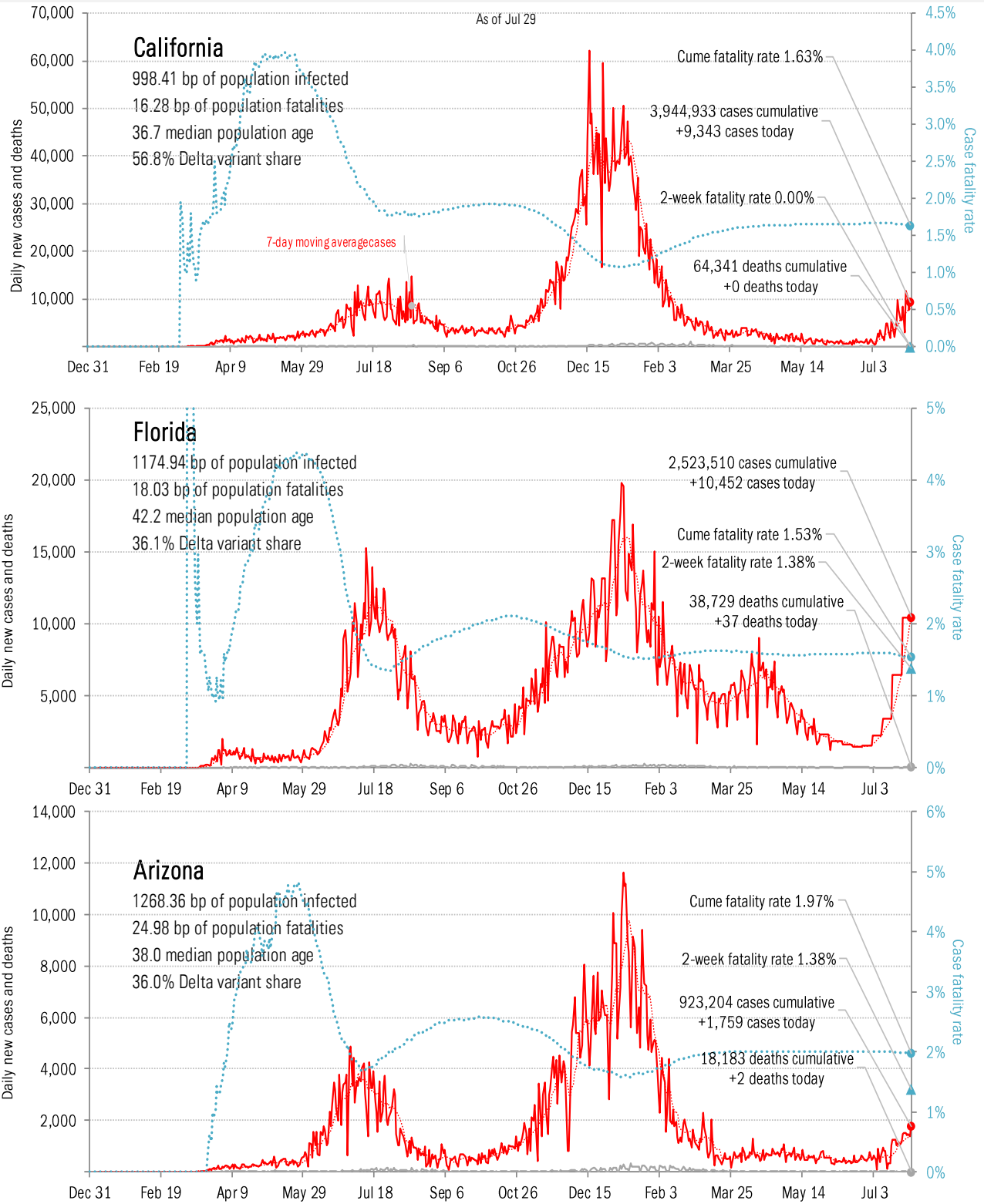
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



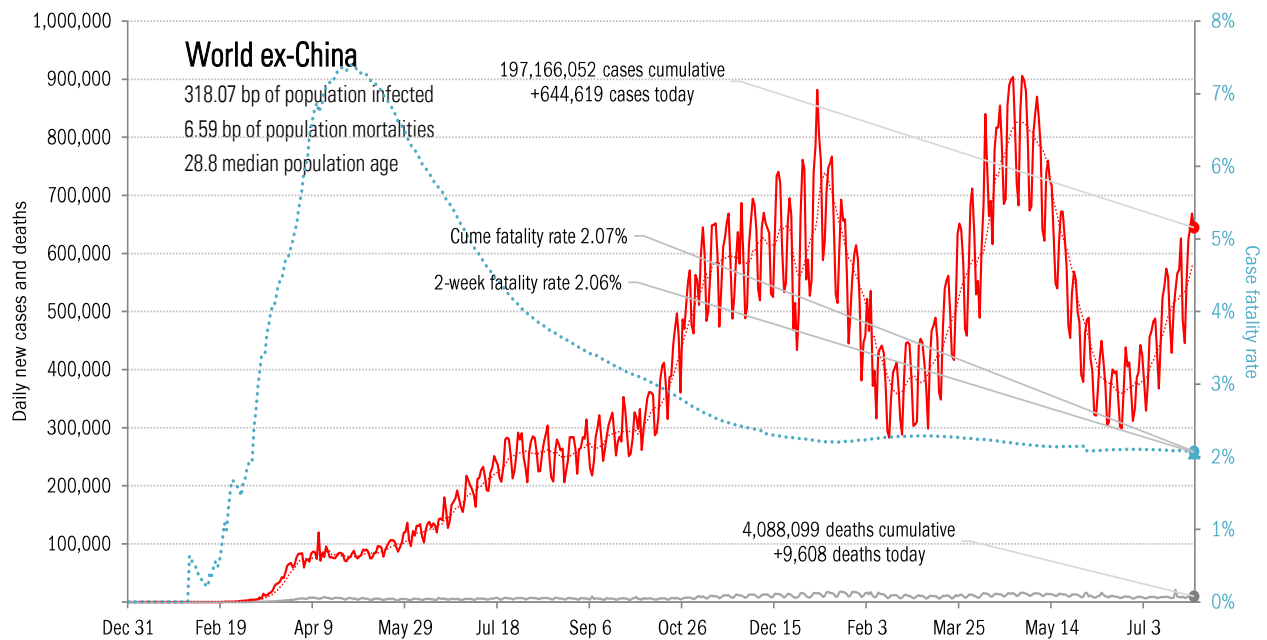
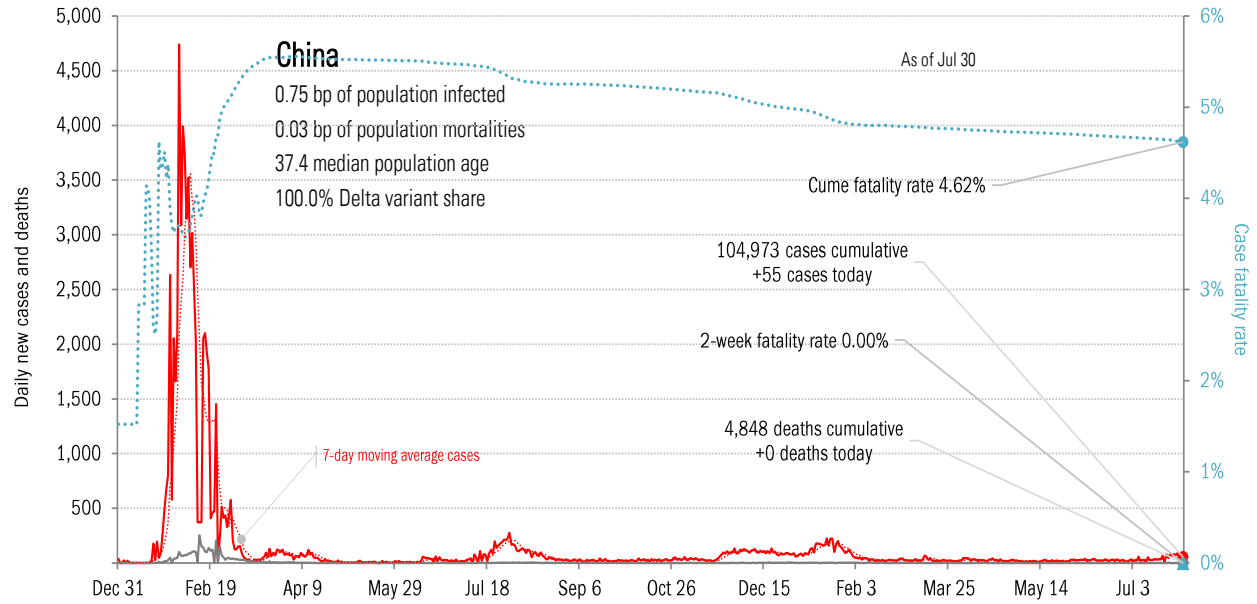
Source: [Johns Hopkins](#), TrendMacro calculations

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



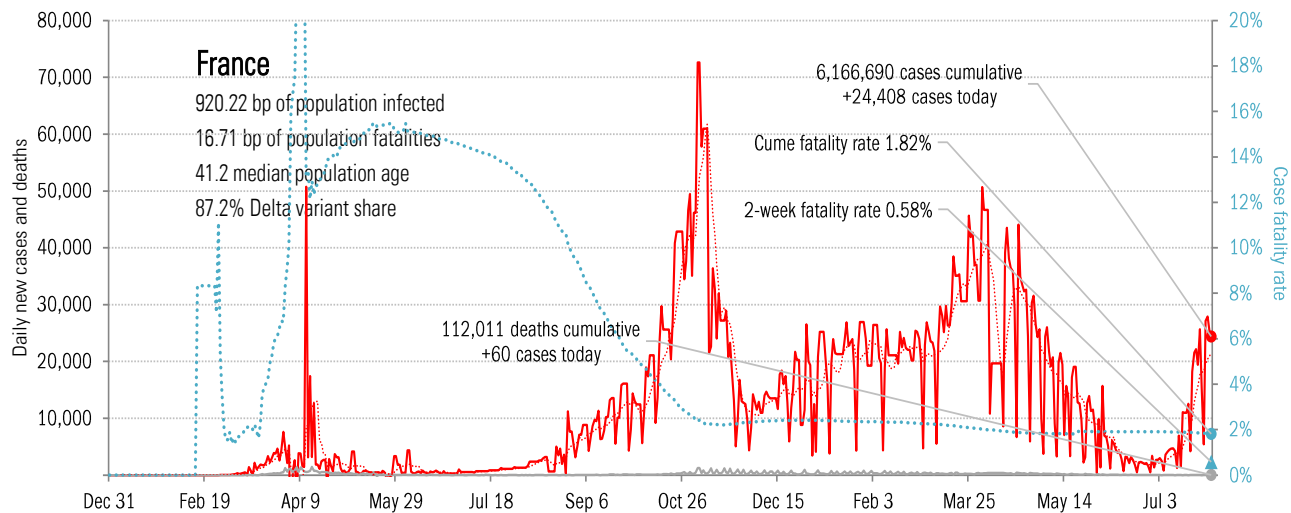
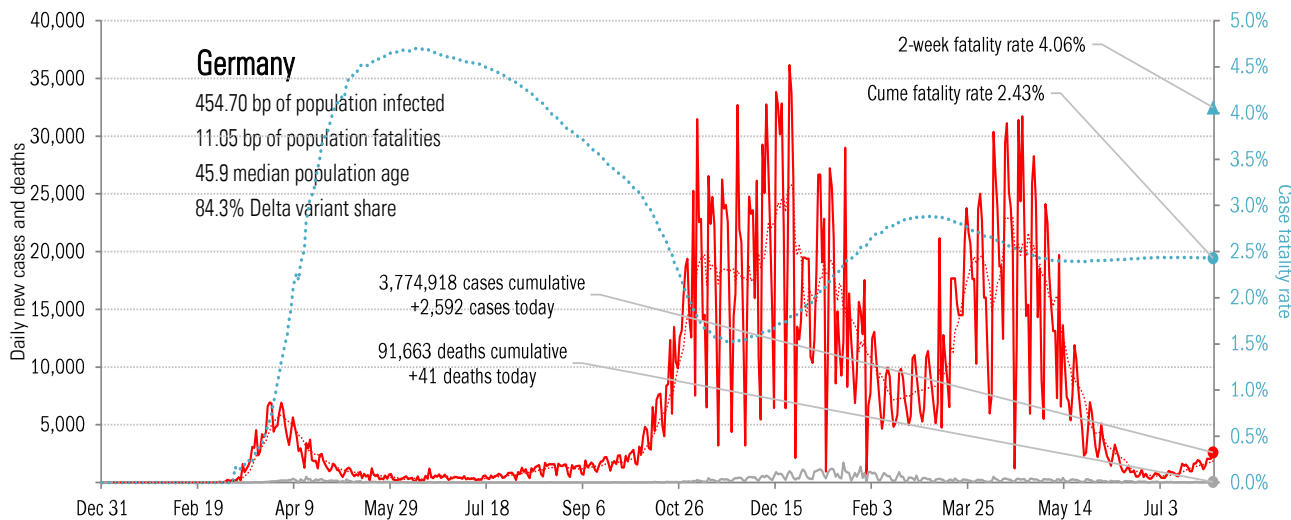
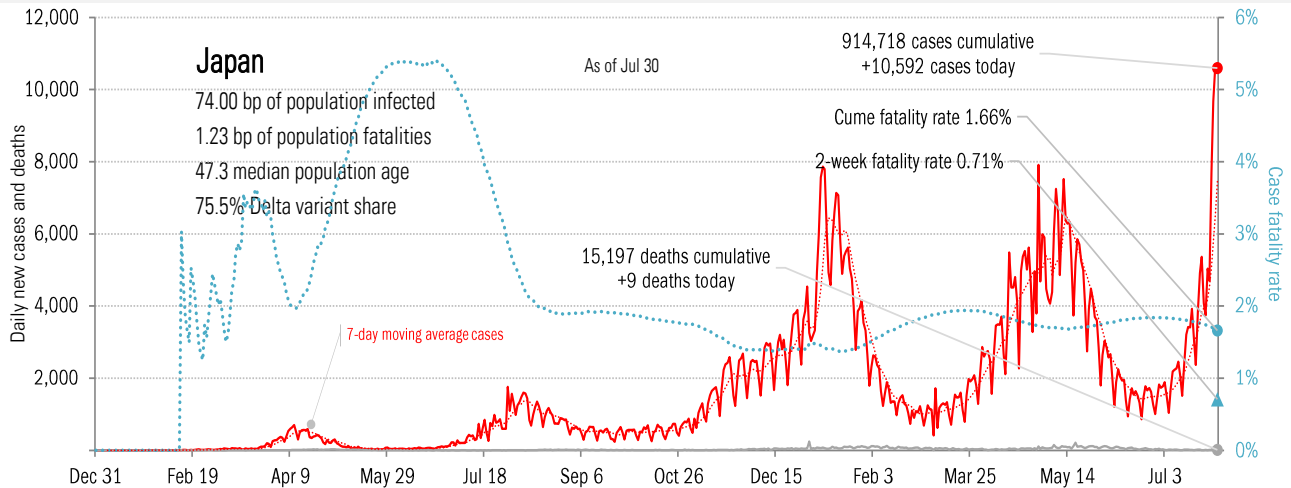
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



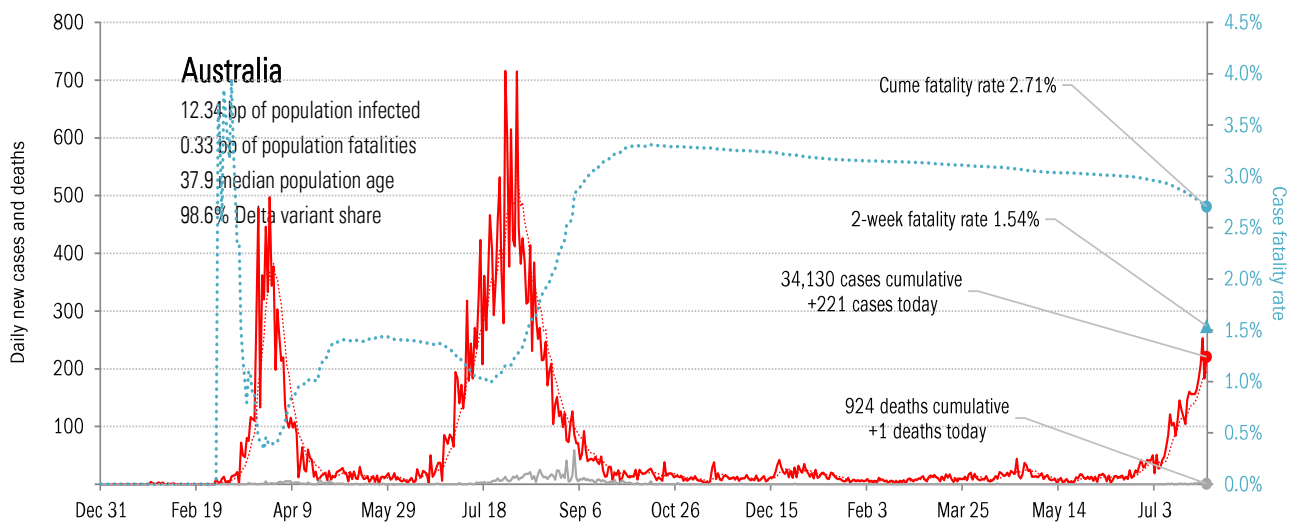
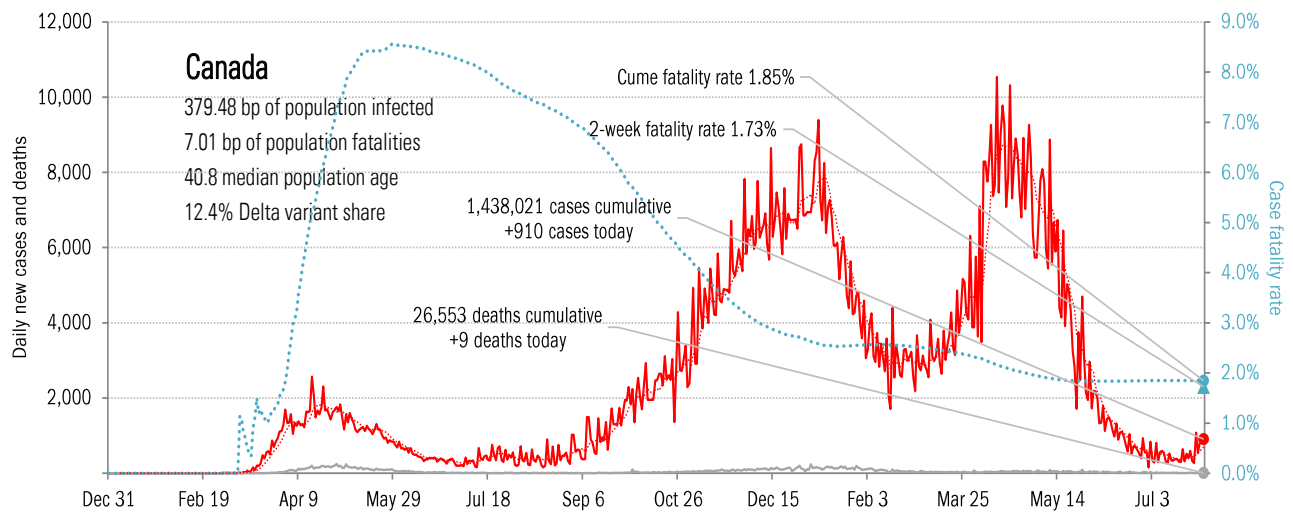
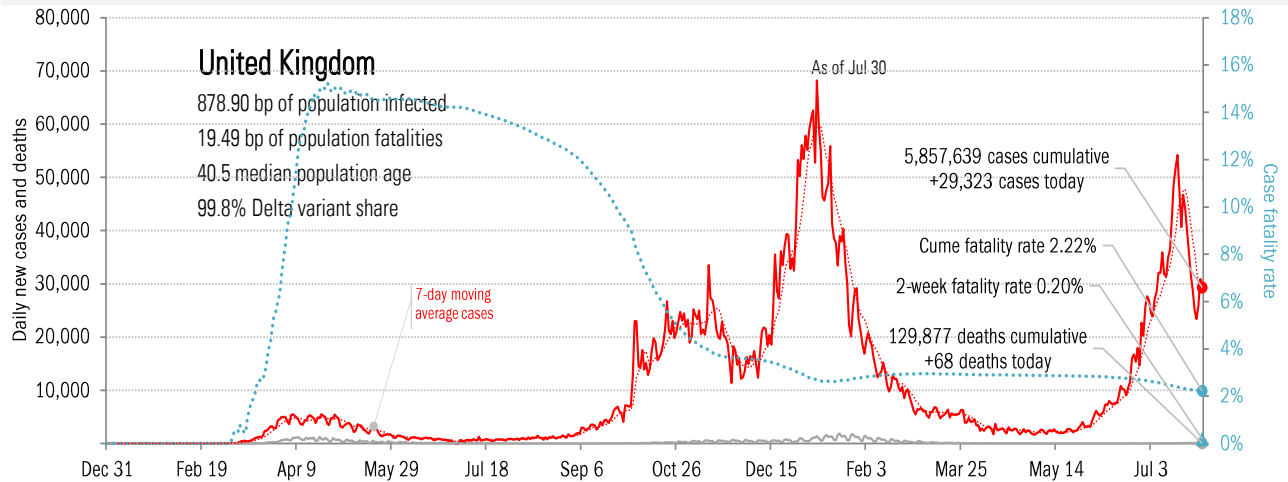
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

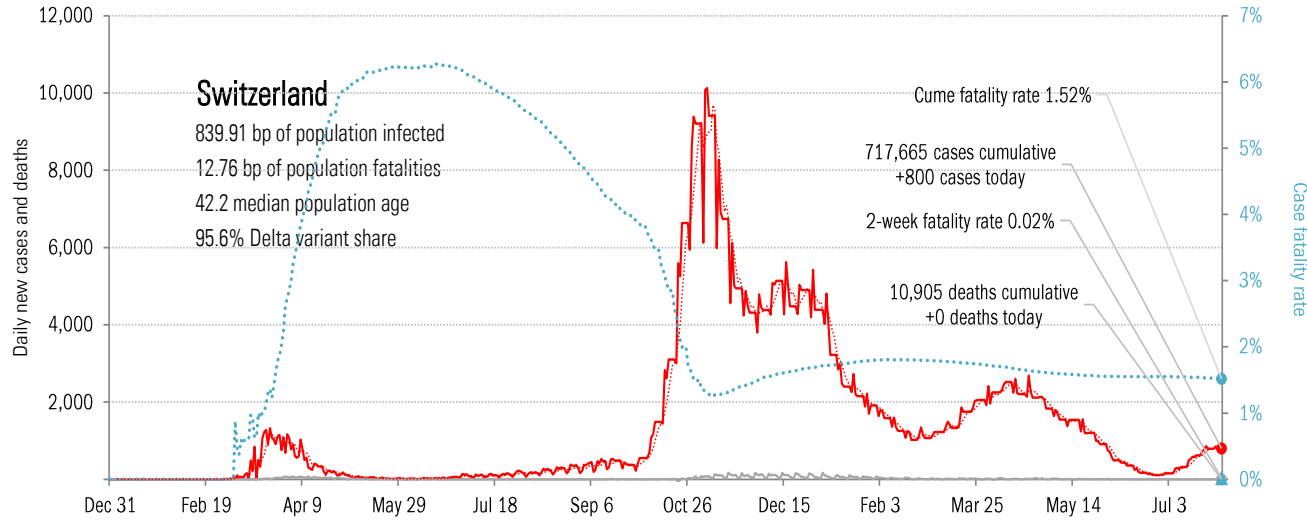
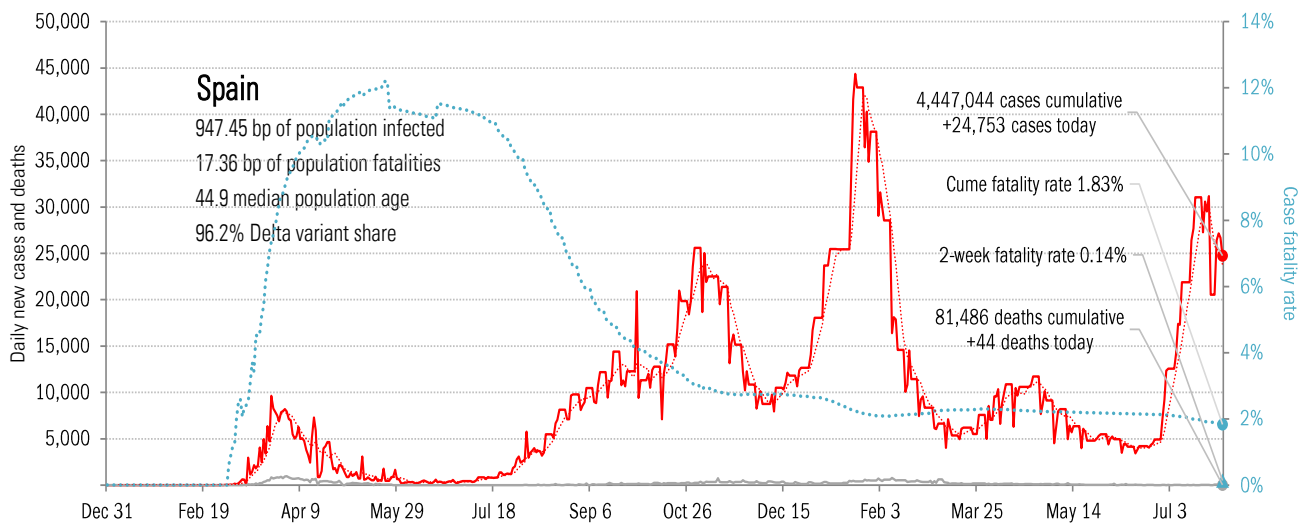
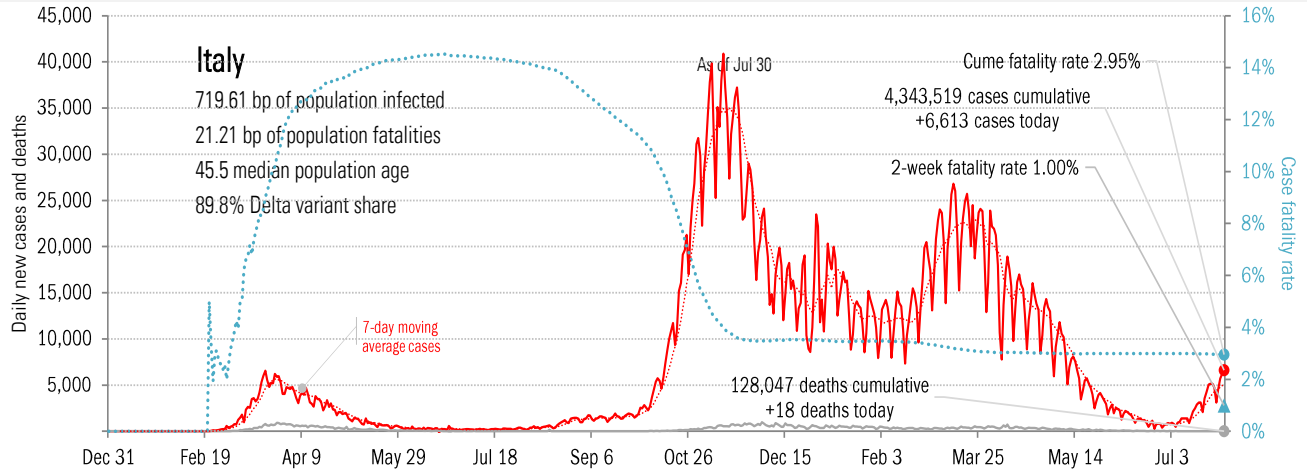
# Impact in The Anglosphere



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

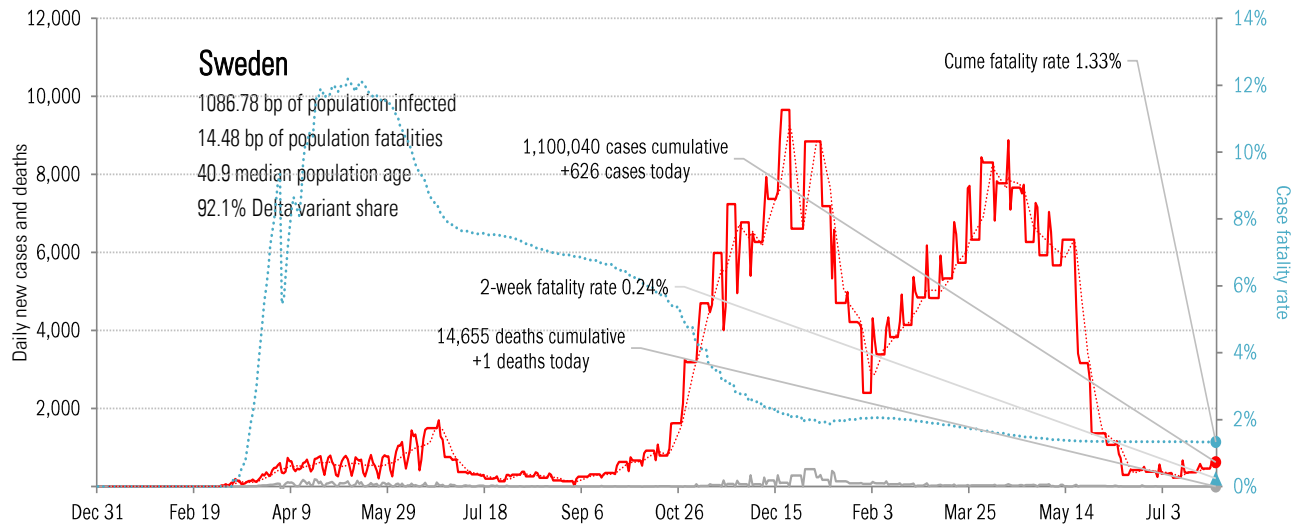
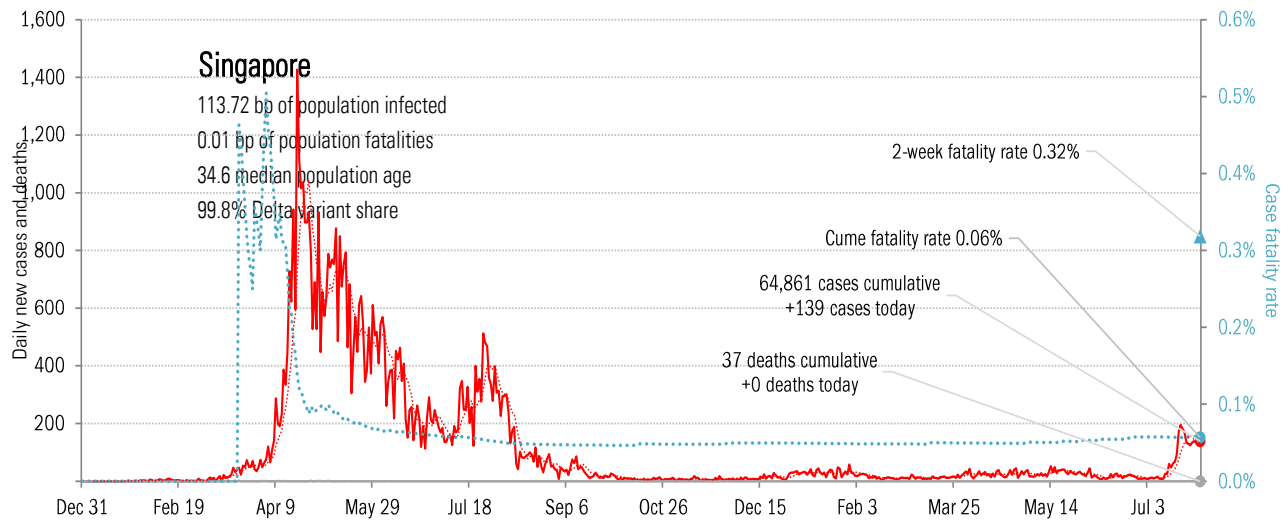
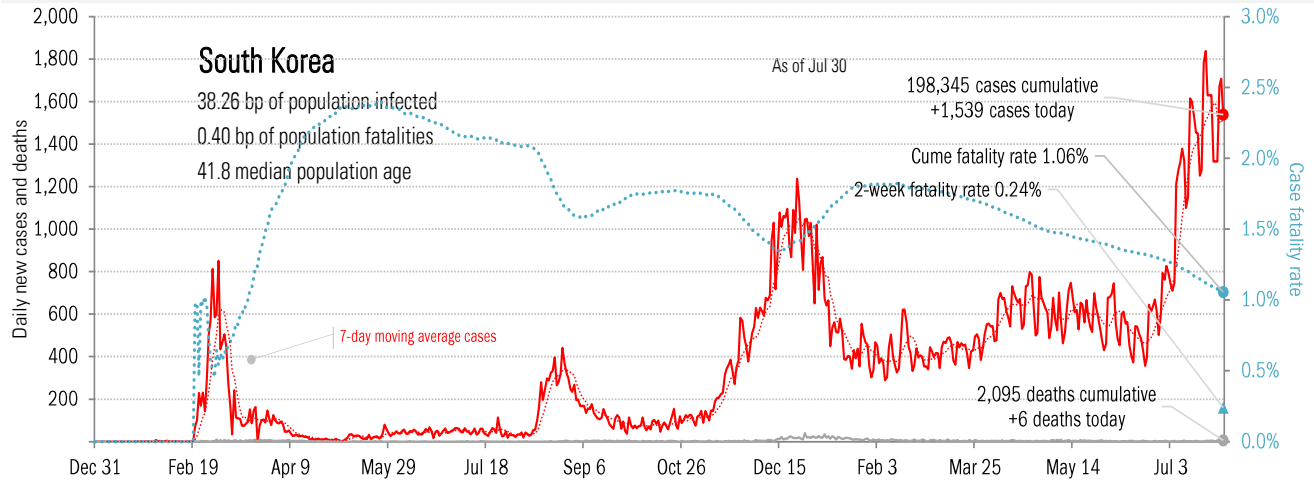


# Impact in continental Europe



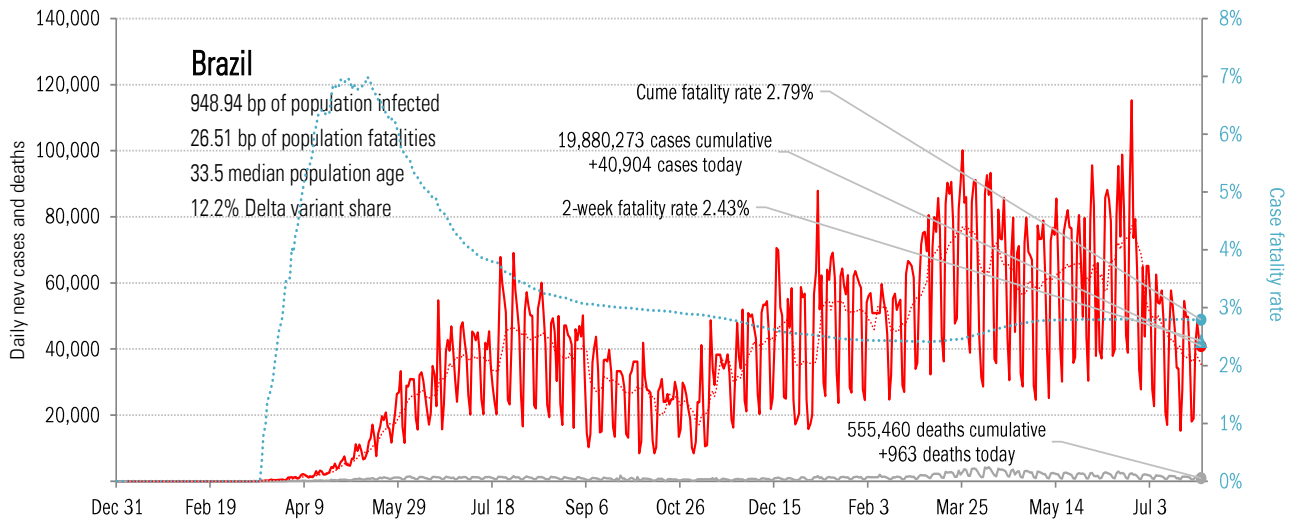
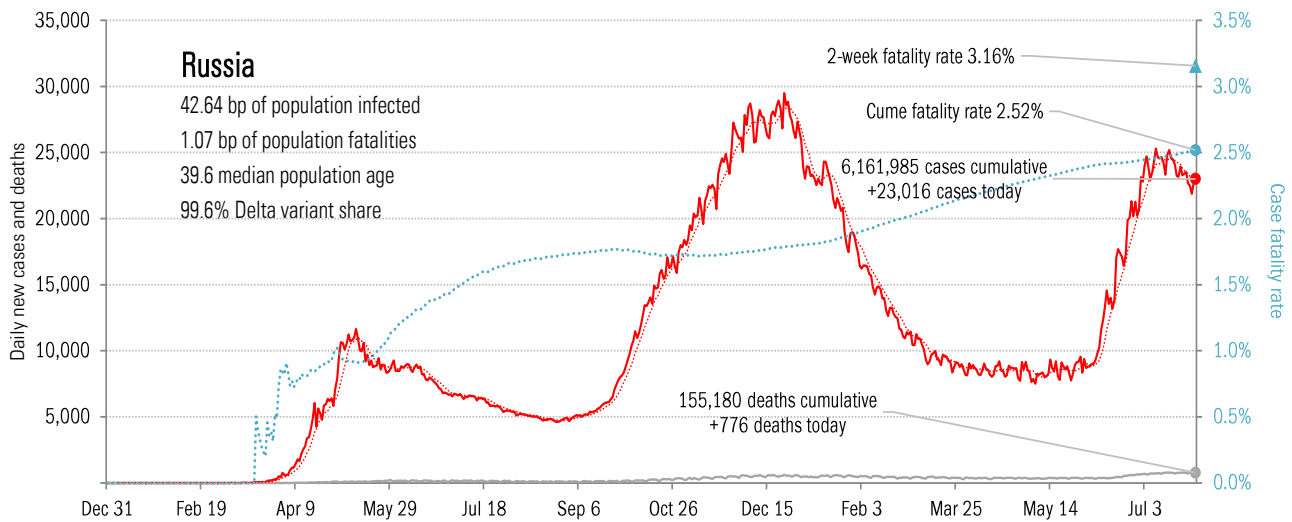
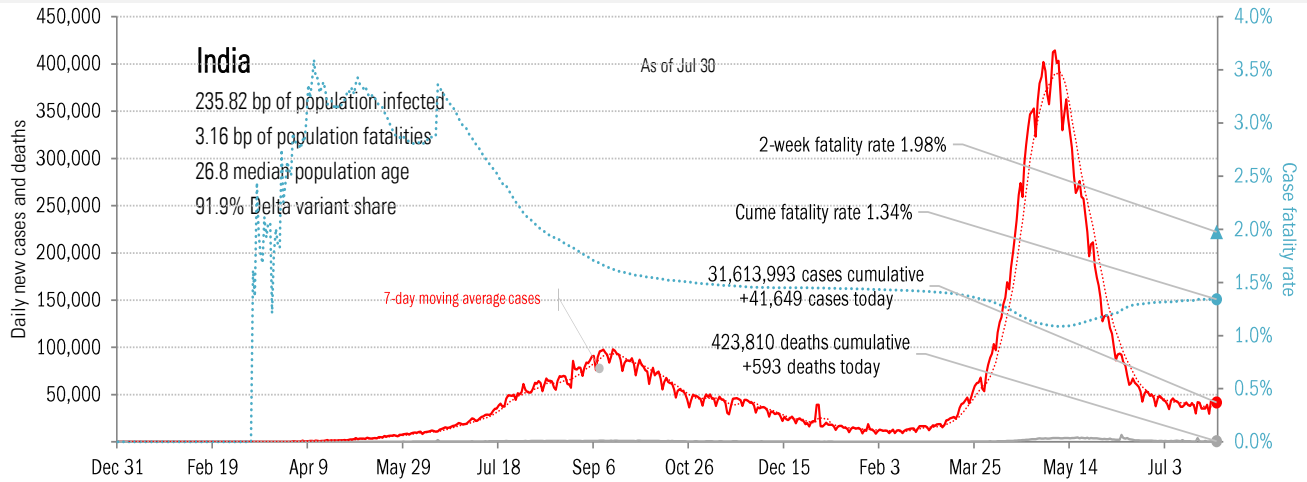
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



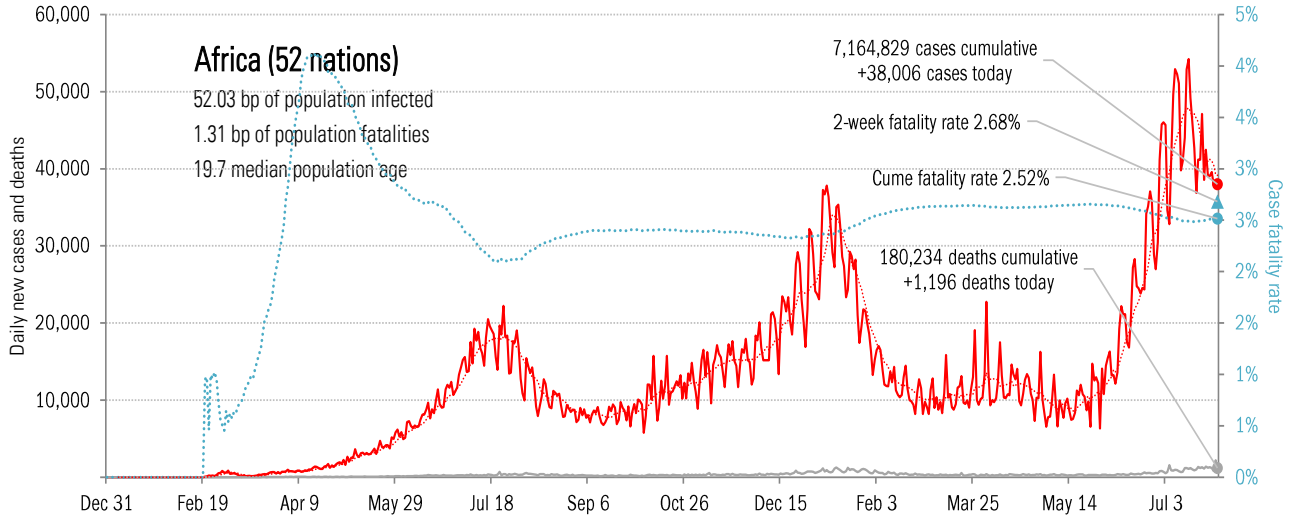
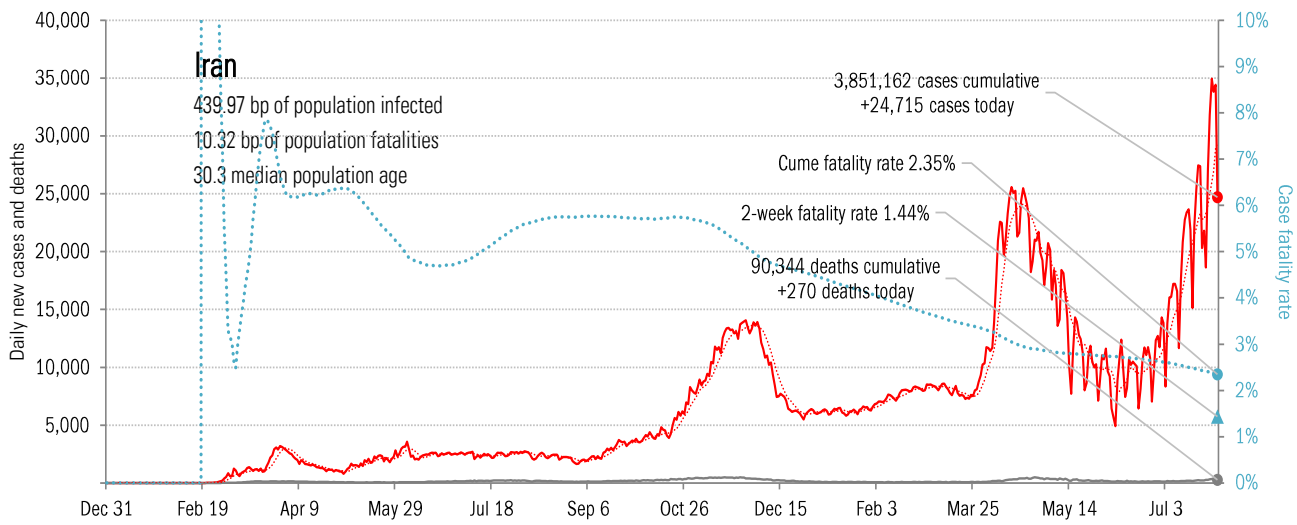
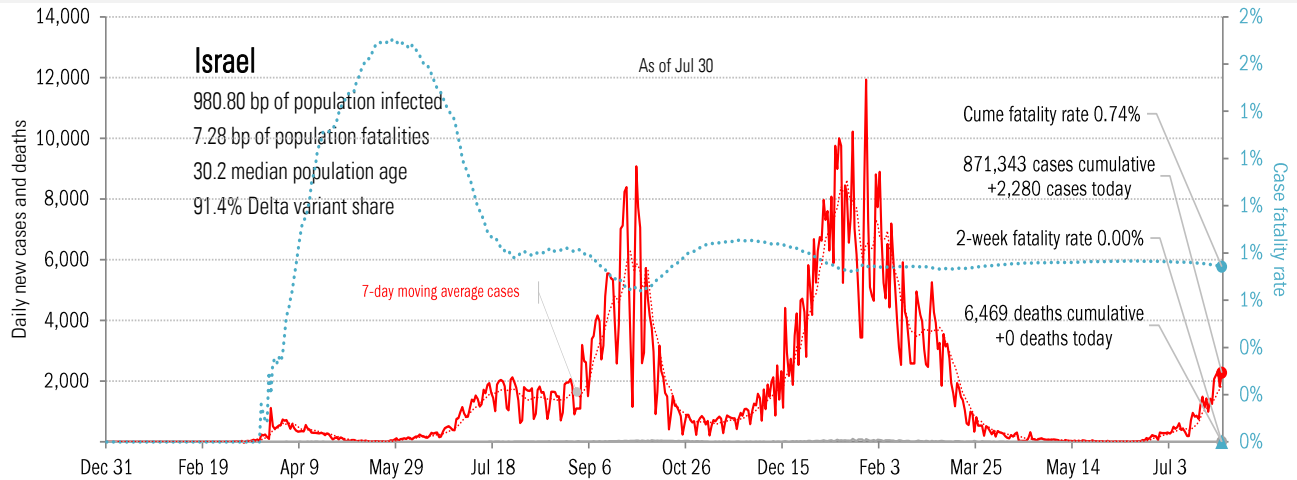
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



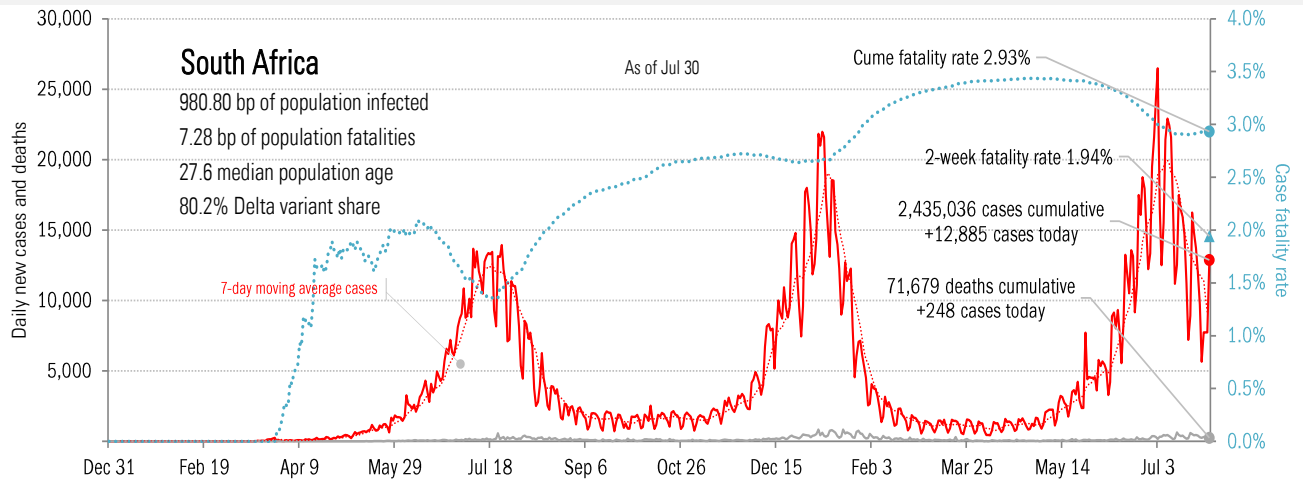
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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