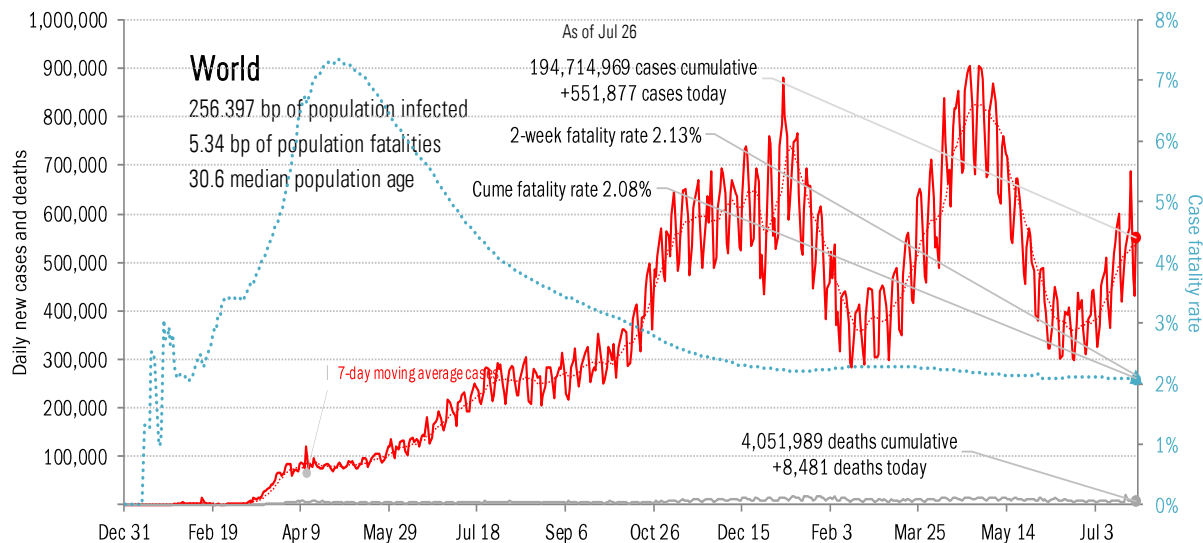
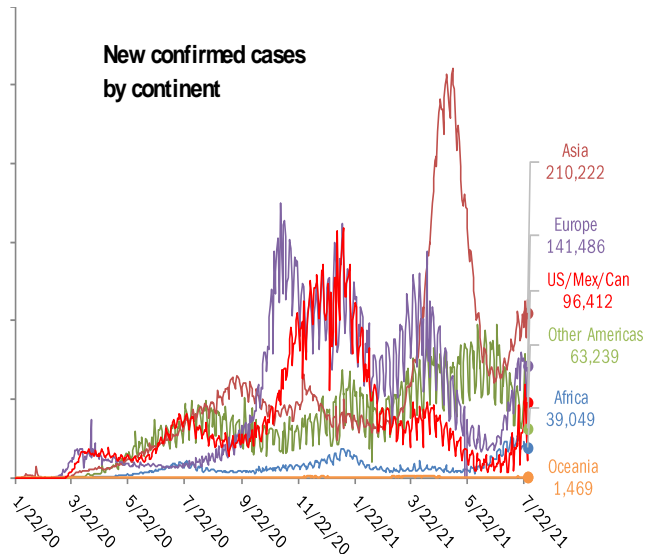


## Data Insights: Covid-2019 Monitor

Tuesday, July 27, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+61,909	Indonesia	+1,487
Spain	+61,625	Russia	+717
Iran	+31,814	Peru	+647
India	+29,689	Brazil	+578
Indonesia	+28,228	India	+415
United Kingdom	+24,932	Burma	+396
Russia	+22,678	Argentina	+384
Brazil	+18,999	Iran	+322
Turkey	+16,809	Colombia	+314
Thailand	+15,376	Oman	+273
<b>+312,059</b>		<b>+5,533</b>	
World	+551,877	World	+8,481
Top ten	57%	Top ten	65%



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

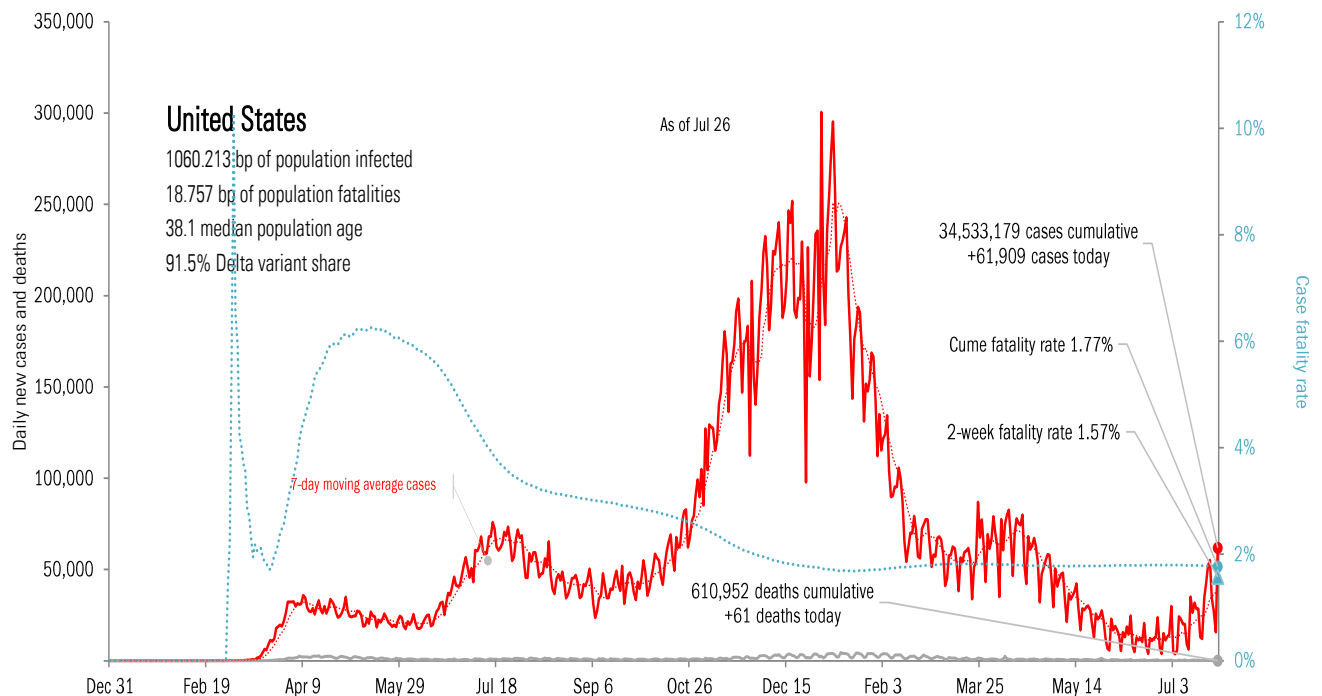
## The ten worst US states

New cases			New Deaths		New in hospital		Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	+11,620		FL	+51	FL	+433	CA	3,917,610	CA	64,267	TX	264,374	RI	94%	MO	30%			
FL	+10,452		CA	+32	KY	+247	TX	3,083,368	NY	53,610	CA	247,246	MA	85%	AR	27%			
LA	+7,592		AR	+23	GA	+196	FL	2,492,153	TX	53,037	FL	203,472	MO	84%	NV	24%			
GA	+6,113		NV	+20	TX	+182	NY	2,138,643	FL	38,605	NY	138,130	MD	84%	FL	23%			
TX	+5,855		TN	+19	CA	+125	IL	1,411,821	PA	27,827	GA	112,999	FL	83%	UT	22%			
NC	+5,444		TX	+19	AL	+86	PA	1,225,327	NJ	26,579	PA	92,705	GA	82%	MS	22%			
IL	+3,892		CO	+14	LA	+80	GA	1,163,818	IL	25,842	CH	89,345	PA	81%	TX	18%			
OK	+3,669		GA	+14	NC	+50	CH	1,122,647	GA	21,628	IL	84,235	NV	80%	OK	18%			
SC	+3,644		LA	+14	AR	+40	NC	1,037,373	MI	21,146	KY	81,212	CT	80%	AK	17%			
TN	+3,628		WI	+13	MO	+37	NJ	1,034,233	CH	20,467	MI	74,003	MN	79%	WY	15%			
+61,909			+219		+1,476		18,626,993			353,008			1,387,721						
All states	+99,870		+112		+1769		All states	34,533,179	610,952			2,470,591			All states	70%	67%		
Top ten	62%		196%		83%		Top ten	54%	58%			56%			Median	73%	8%		

Some states not reporting

## Five most improved US states

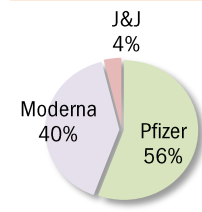
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FR	-2,611	NY	-212	NV	-55	AK	+10 bp
AR	-401	FR	-14	AZ	-49	AL	+10 bp
MO	-393	PA	-4	KS	-36	AZ	+10 bp
AL	-133	H	-2	UT	-28	CA	+10 bp
H	-113	AZ	-1	TN	-23	IL	+10 bp



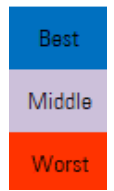
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	352,073,479		+0.394 million		US	48.8%	56.4%	
	One dose	% Pop	Immune	% pop	New immune today	UK	54.9%	68.6%
Total population	193,480,527	58%	167,442,477	50%	+0.148 million	France	45.3%	59.1%
Age 12 to 17	10,334,334	41%	8,044,067	32%	+0.028 million	Spain	55.5%	65.9%
Age 18 to 64	132,363,825	65%	114,107,808	56%	+0.131 million	Germany	49.3%	60.6%
Age 65 and over	50,559,248	92%	45,161,056	83%	+0.011 million	Italy	49.1%	62.1%



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



Every American >18 immune in **336 days** by Jun 26, 2022  
 61.7% of population >18 immunized  
 11.8% previously tested positive  
**73.4%** vs 60% adult herd immunity\*

Australia	13.2%	30.8%
Israel	61.5%	66.6%
Canada	56.1%	71.0%
Japan	25.7%	37.1%
Africa	1.6%	3.1%
India	6.9%	25.1%
Brazil	17.9%	47.2%

Global data differs from sources, timing

AK
51.1%
45.3%

WI
55.2%
51.5%

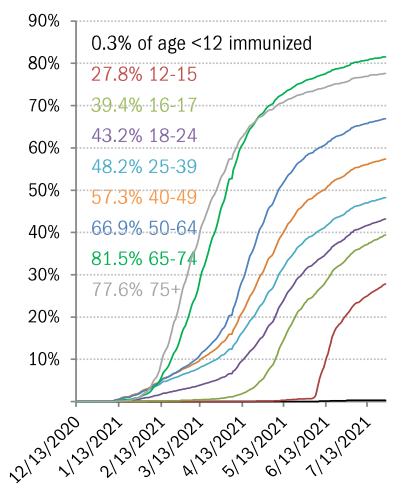
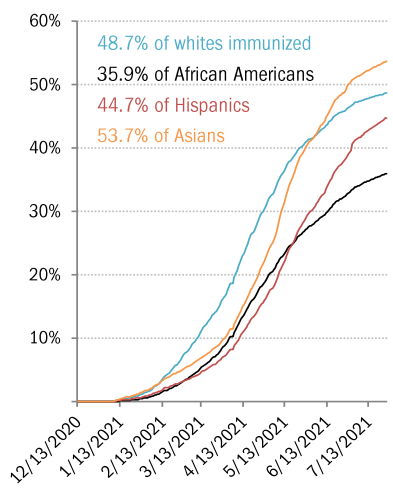
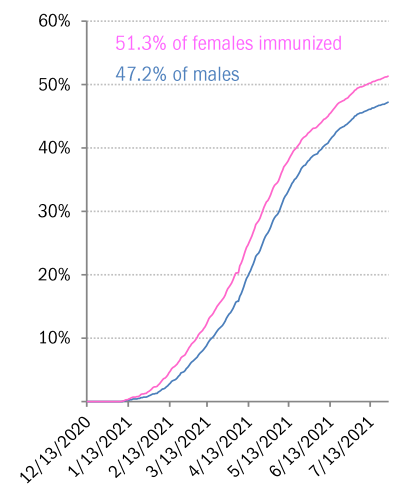
As of Jul 26

China NA

ME
67.9%
63.2%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
63.5%	40.8%	49.0%	45.1%	58.4%	61.7%	52.8%	62.4%	75.3%	64.3%	
57.3%	37.2%	44.1%	39.9%	53.5%	48.2%	48.6%	56.6%	67.3%	58.0%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
60.3%	52.9%	41.2%	52.1%	52.7%	46.8%	49.5%	65.0%	65.3%	72.2%	
55.7%	44.0%	36.4%	46.6%	49.3%	44.0%	46.2%	51.9%	57.7%	63.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
64.2%	51.3%	59.8%	53.3%	47.9%	51.5%	45.9%	61.2%	64.1%	69.3%	66.6%
52.4%	44.2%	54.0%	49.2%	40.9%	45.3%	38.9%	54.2%	58.4%	62.9%	61.1%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
52.5%	64.9%	52.7%	45.6%	44.2%	50.6%	46.2%	63.5%	60.1%		
45.0%	56.7%	44.9%	36.0%	38.8%	43.5%	40.3%	54.4%	52.3%		
OK	LA	MS	AL	GA						
46.9%	41.2%	38.6%	42.2%	45.1%						
39.9%	36.6%	34.2%	34.1%	38.0%						
TX										
50.8%										
43.4%										
HI							FL		PR	
71.1%							56.7%		68.4%	
53.3%							48.5%		59.5%	

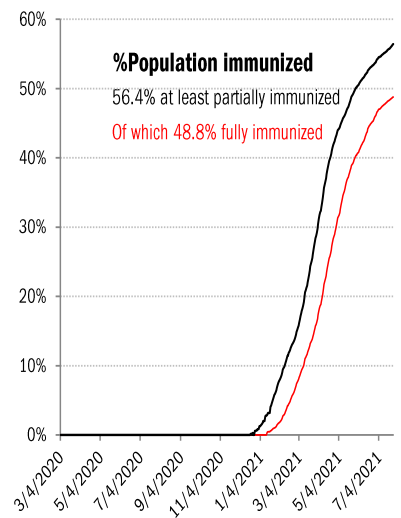
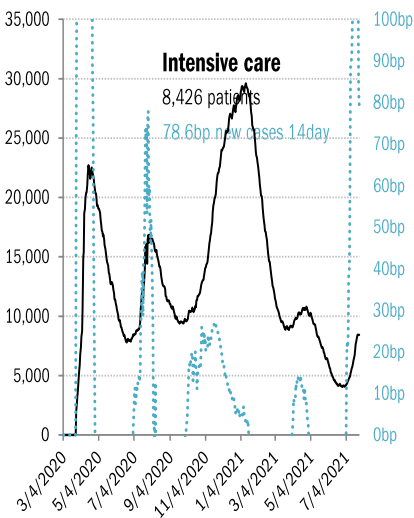
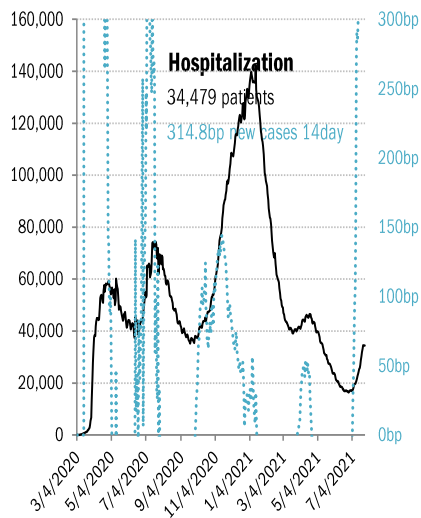
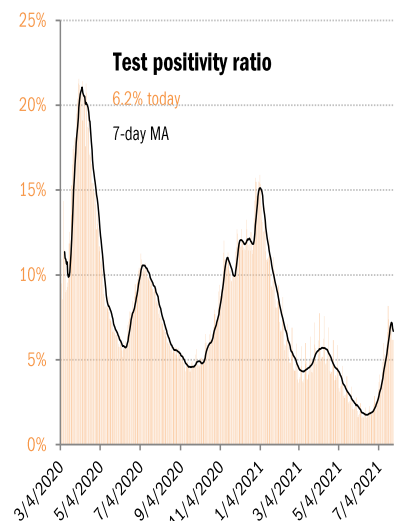
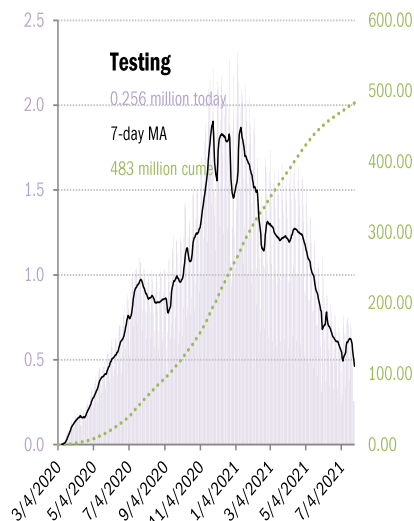
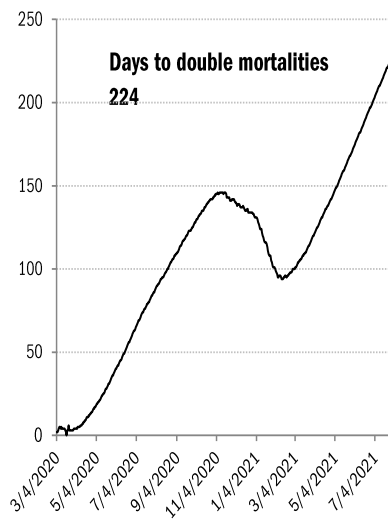
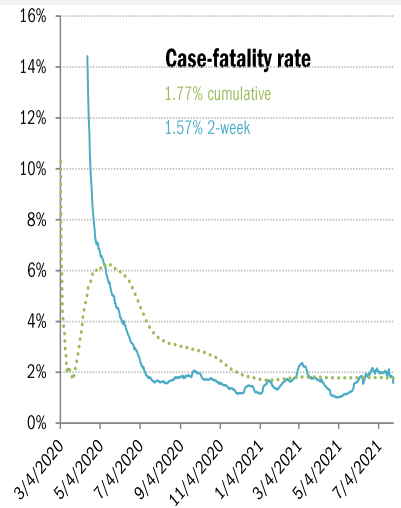
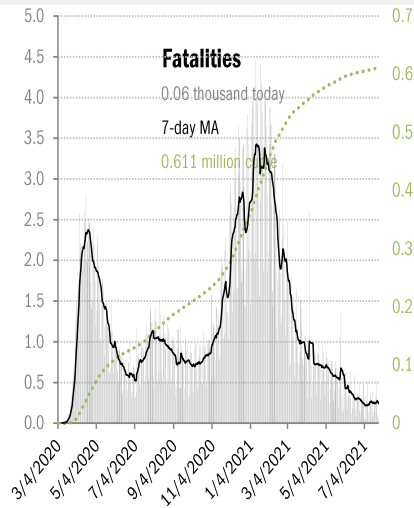
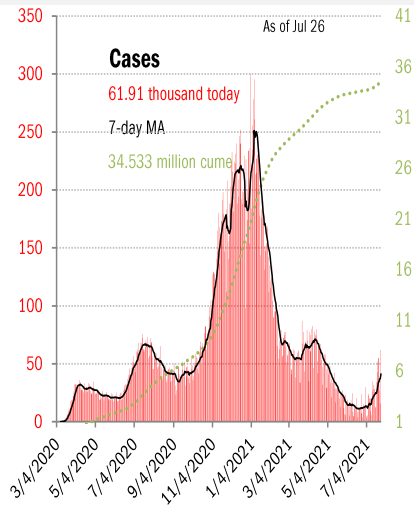
## The demographics of US vaccination



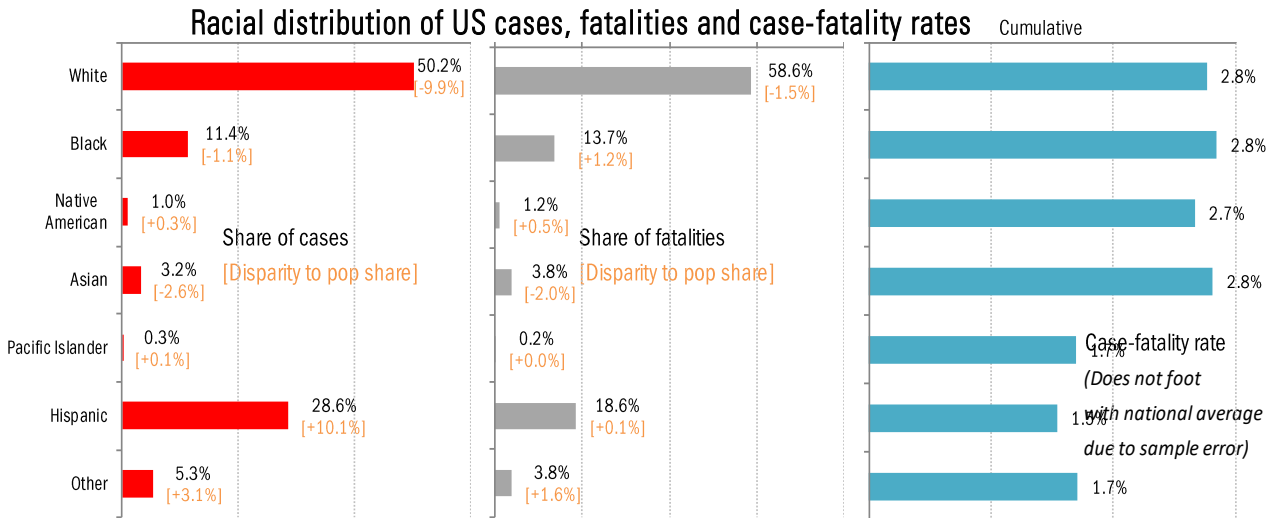
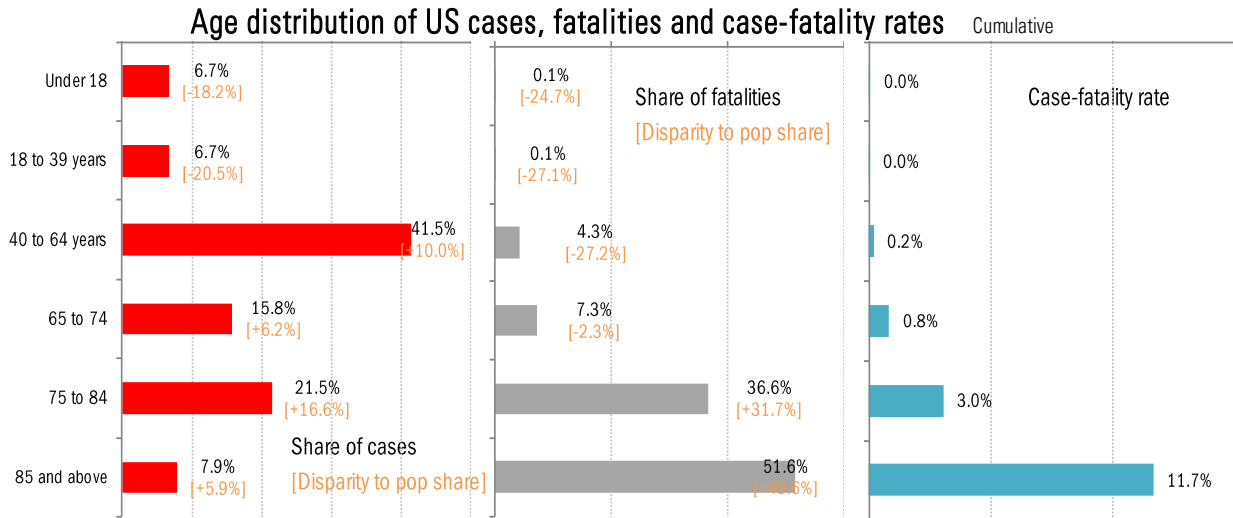
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

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

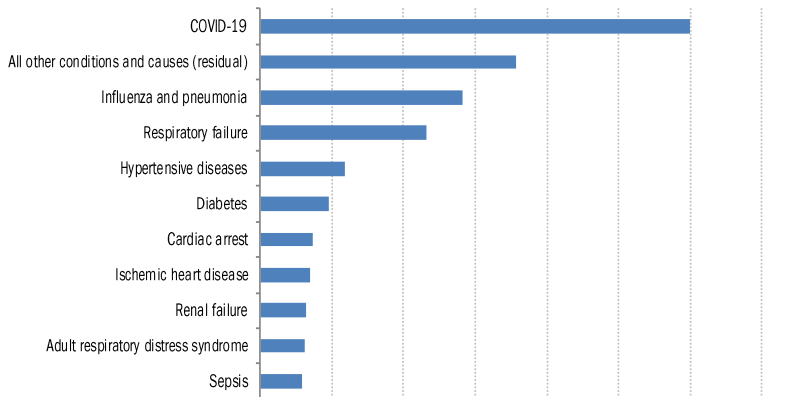


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### 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

[Falling Covid Cases Are Welcome Surprise for U.K. Scientists](#)

Emily Ashton  
*Bloomberg*  
July 26, 2021

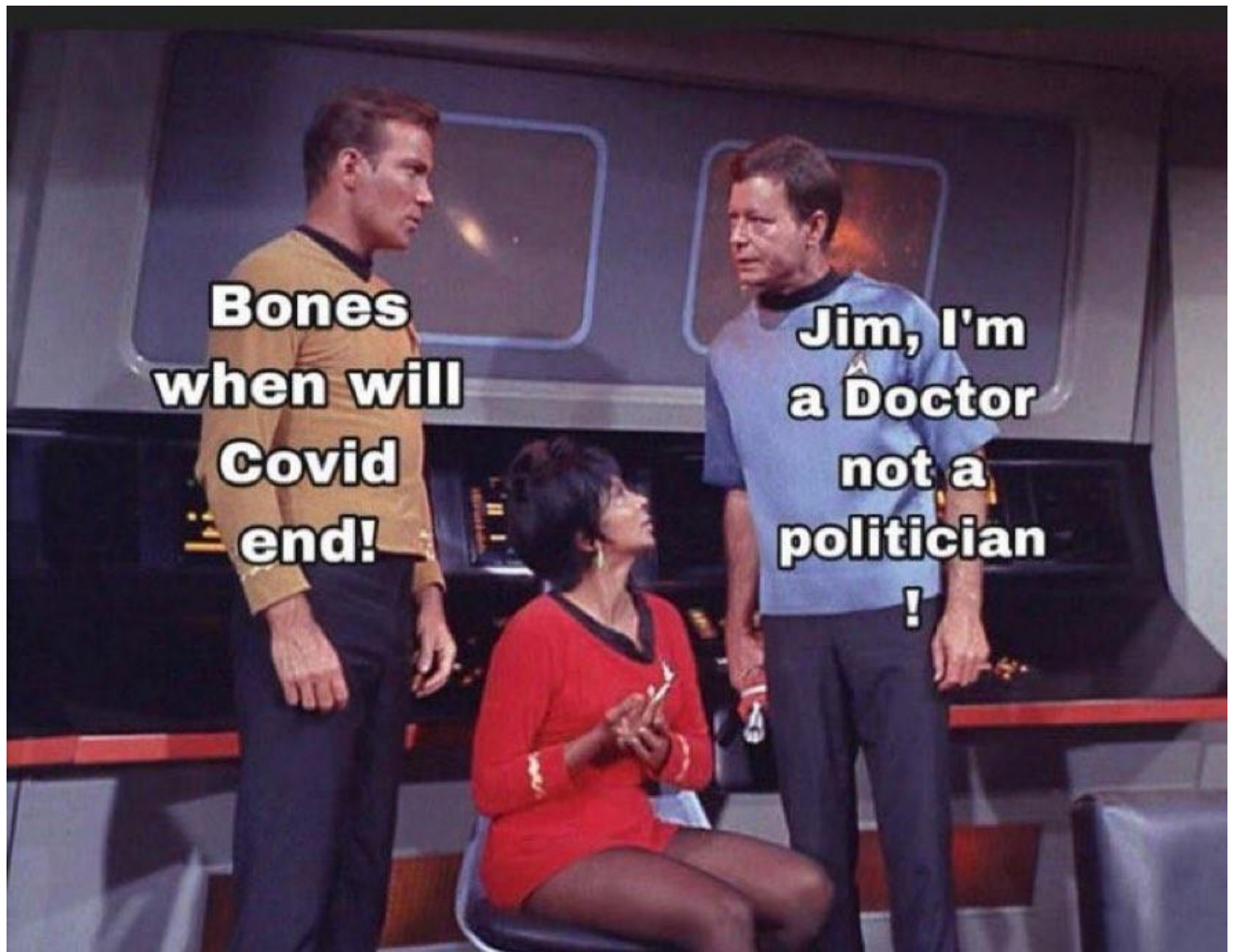
[Fauci says it's 'negligent' not to fund research at Wuhan lab, suggests collaboration with China continue](#)

Jerry Dunleavy  
*Washington Examiner*  
July 25, 2021

[More than 200 people in 27 states now being monitored for monkeypox](#)

Adam Barnes  
*Changing America*  
July 23, 2021

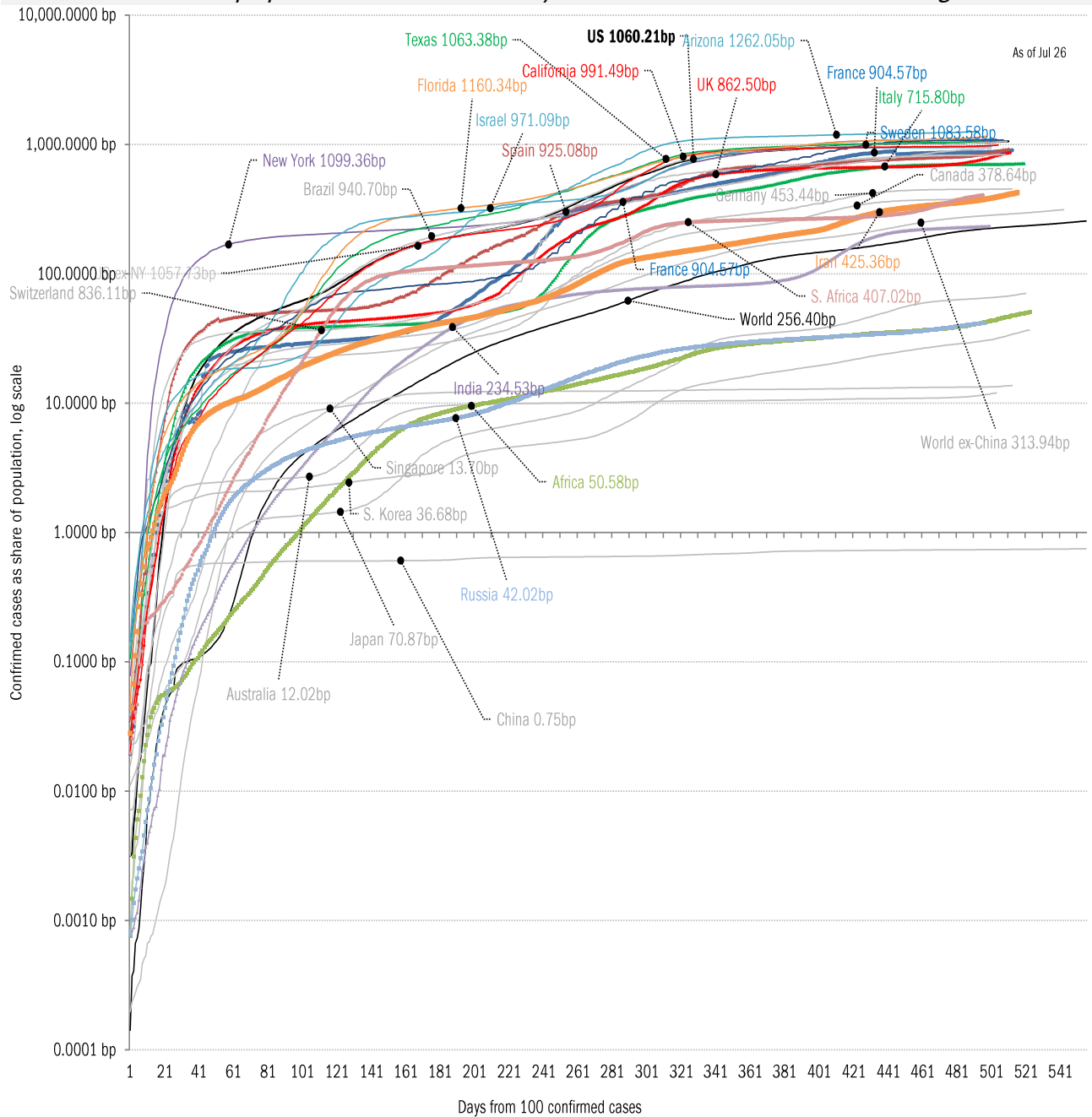
## Meme of the day



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



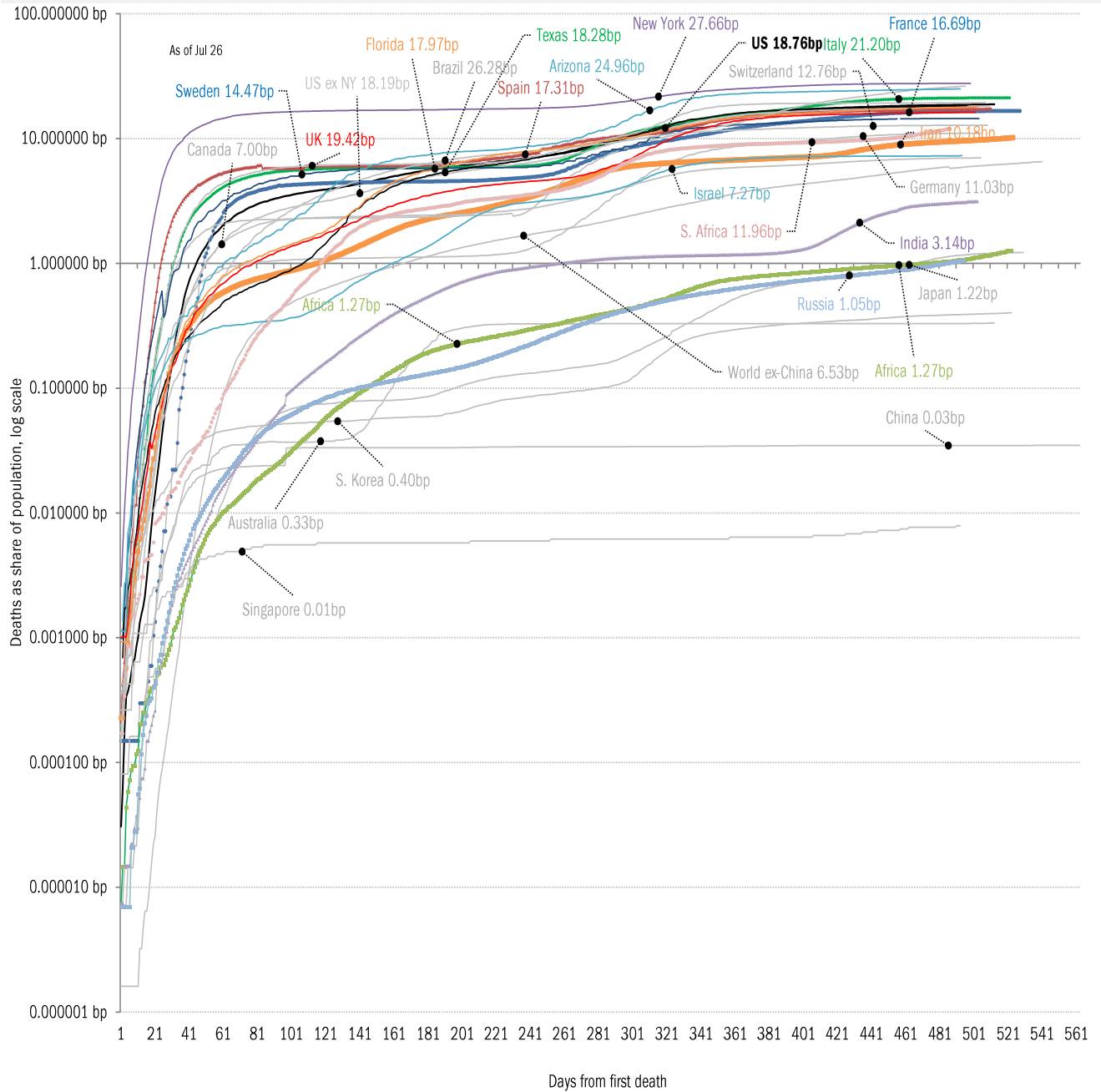
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



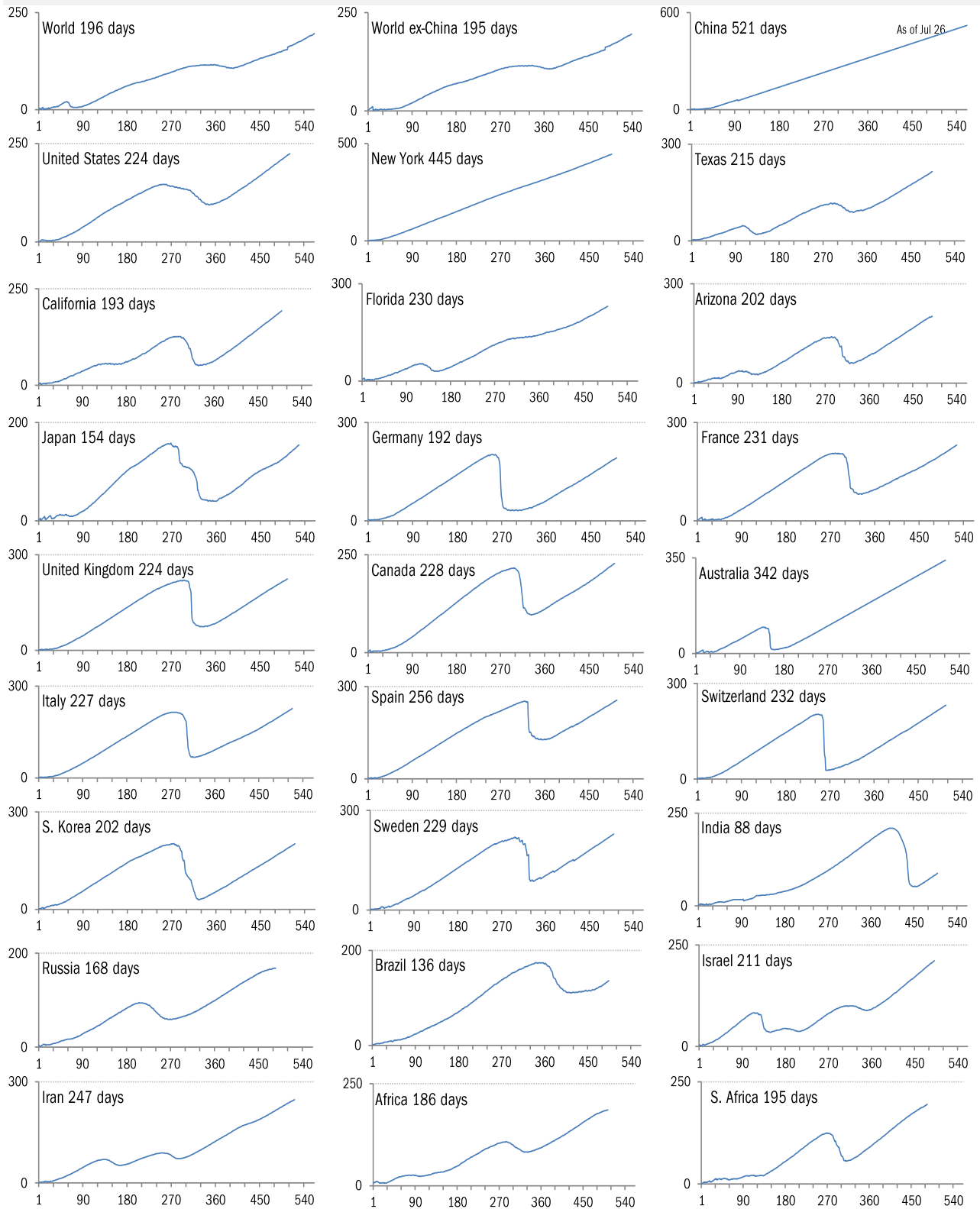
Source: [Johns Hopkins](#), TrendMacro calculations



# "Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

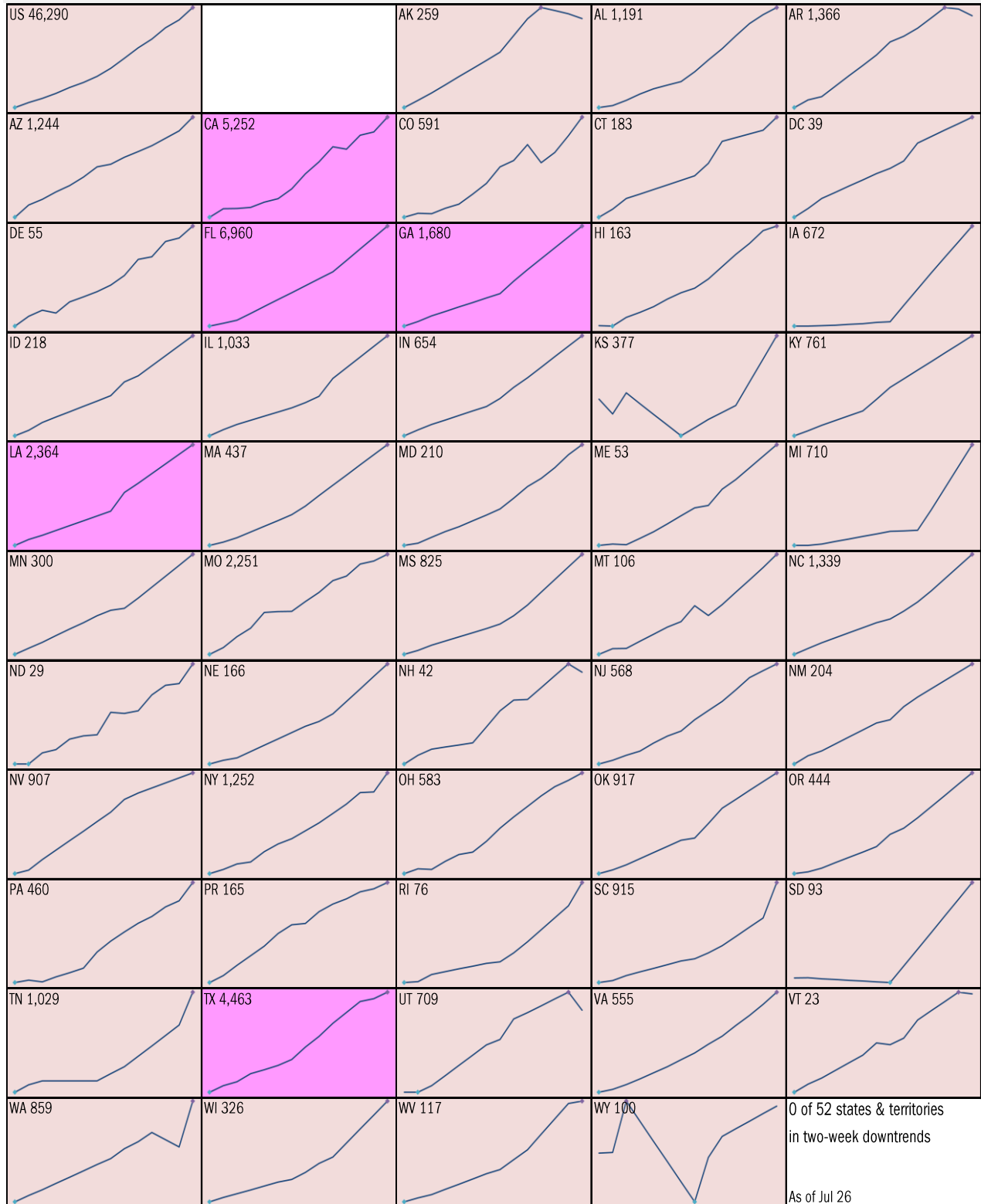


Source: [Johns Hopkins](#), TrendMacro calculations

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

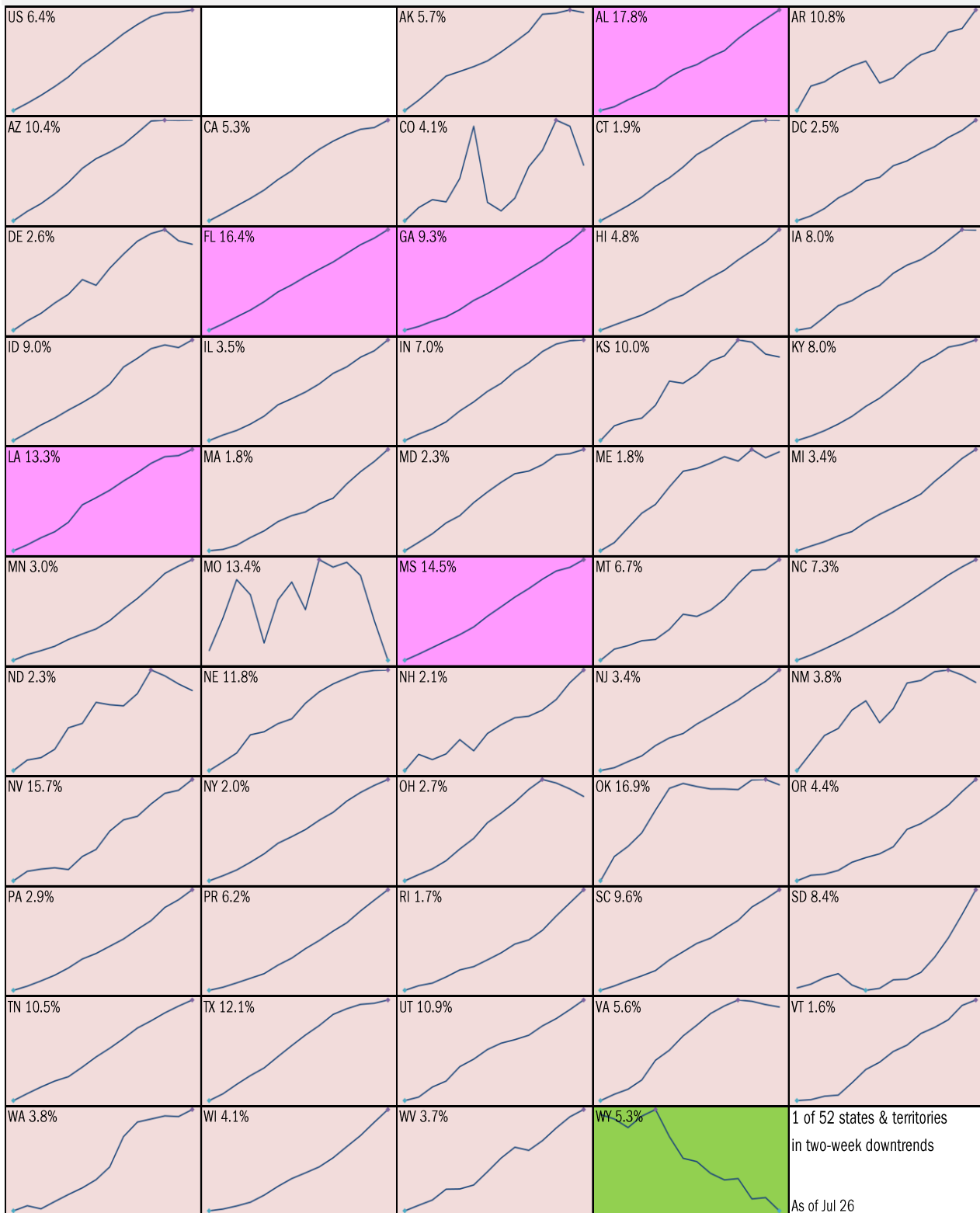


Source: [Johns Hopkins](#), TrendMacro calculations

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

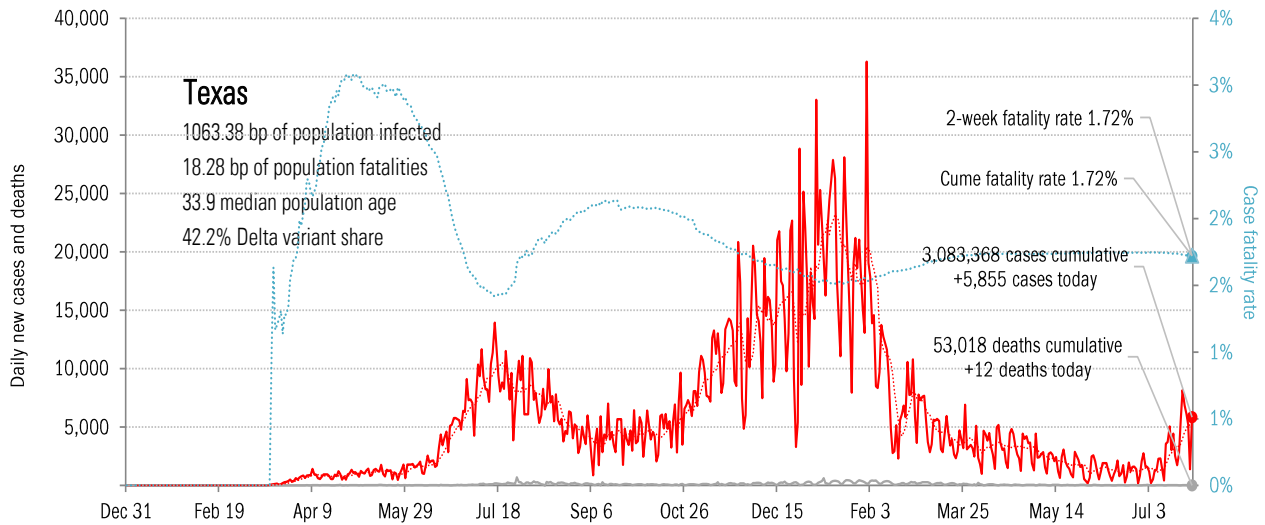
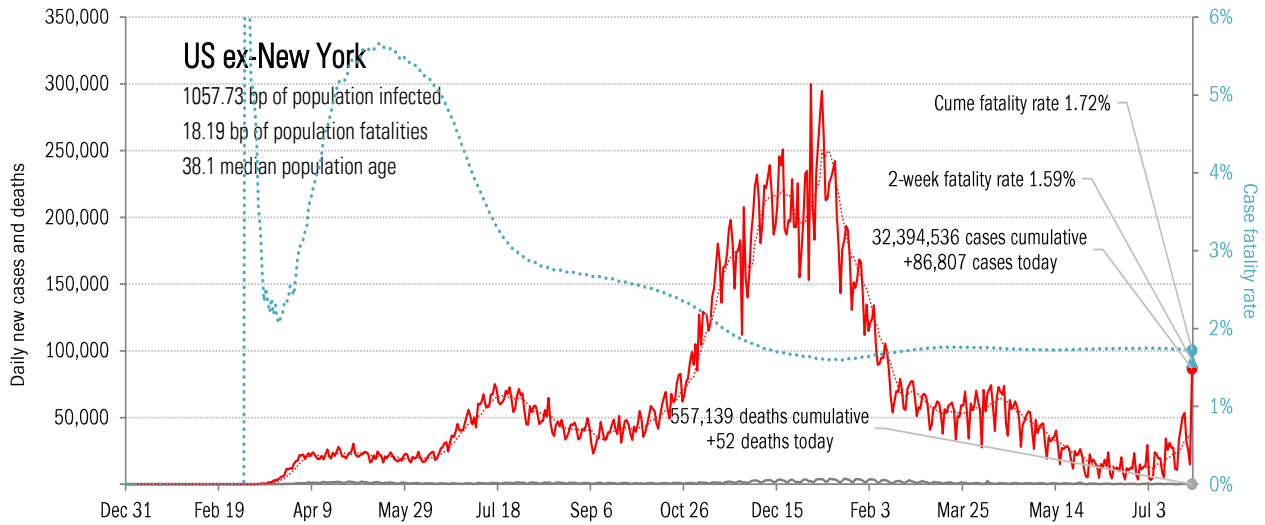
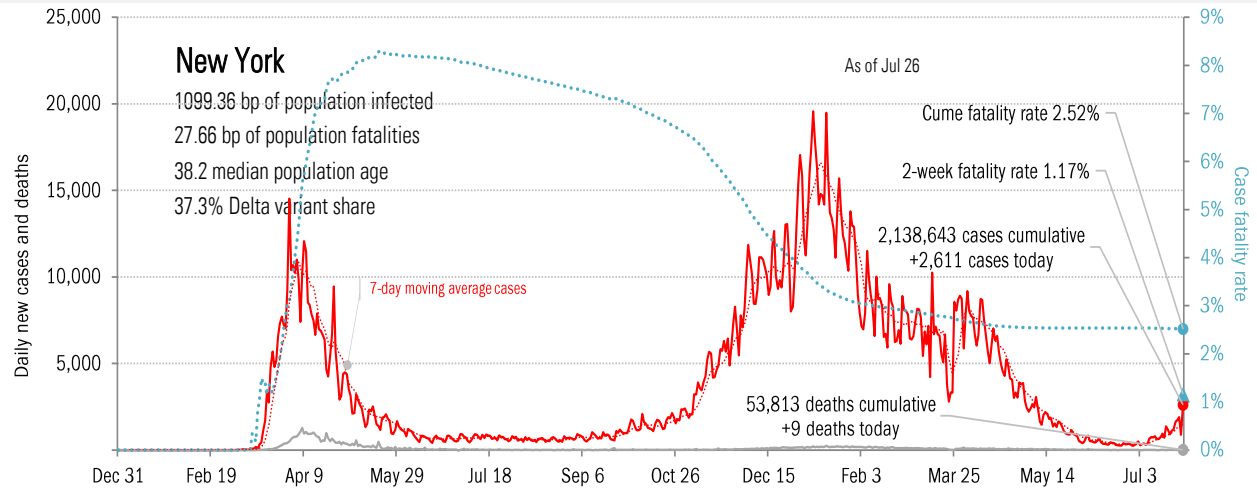
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



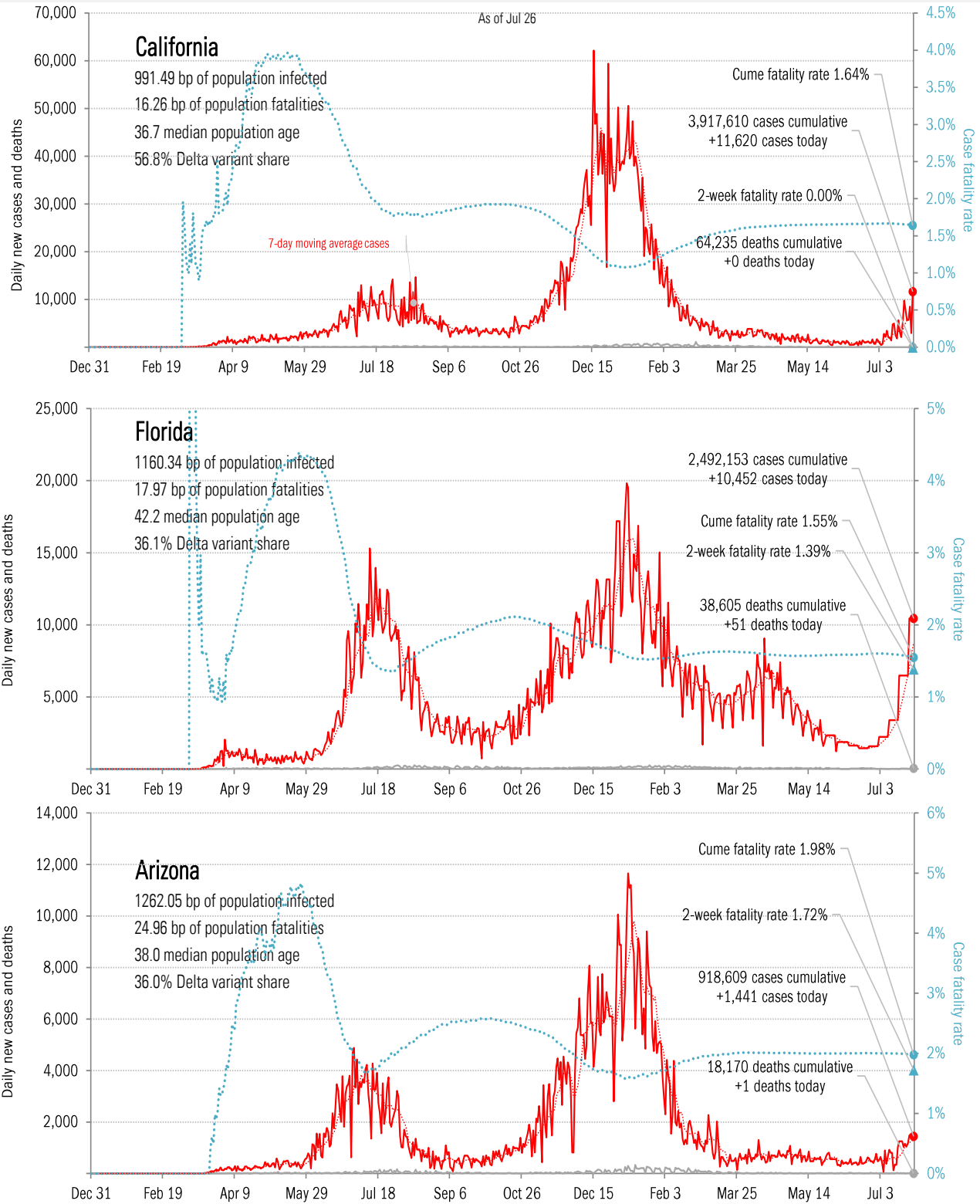
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



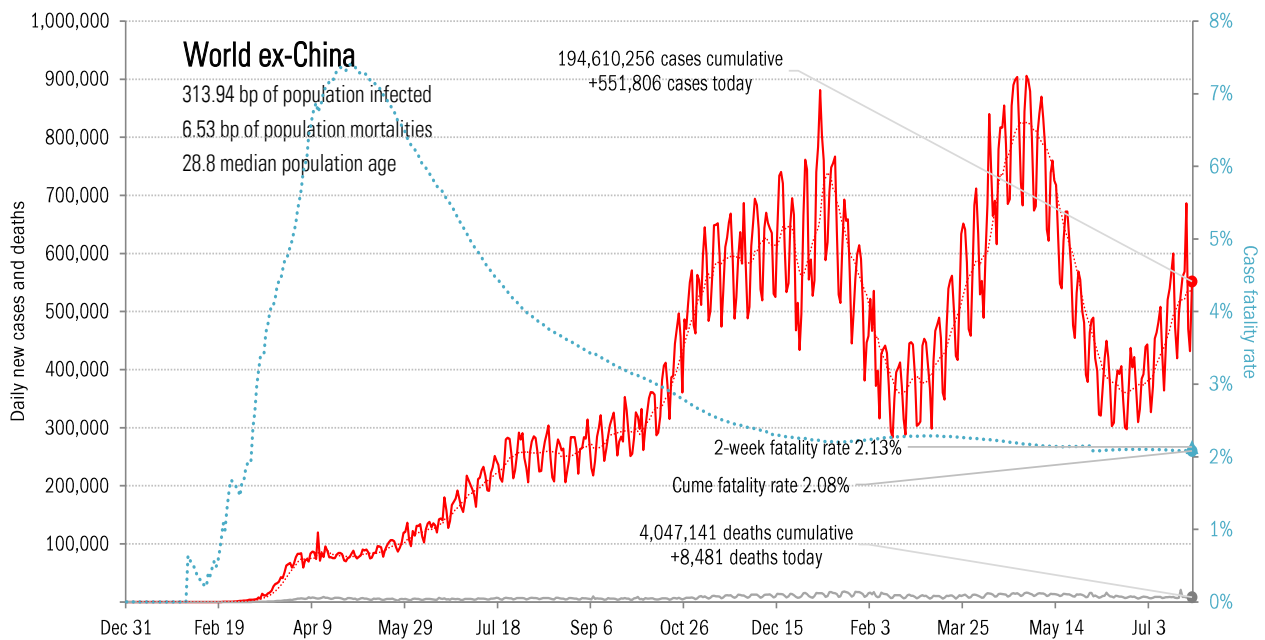
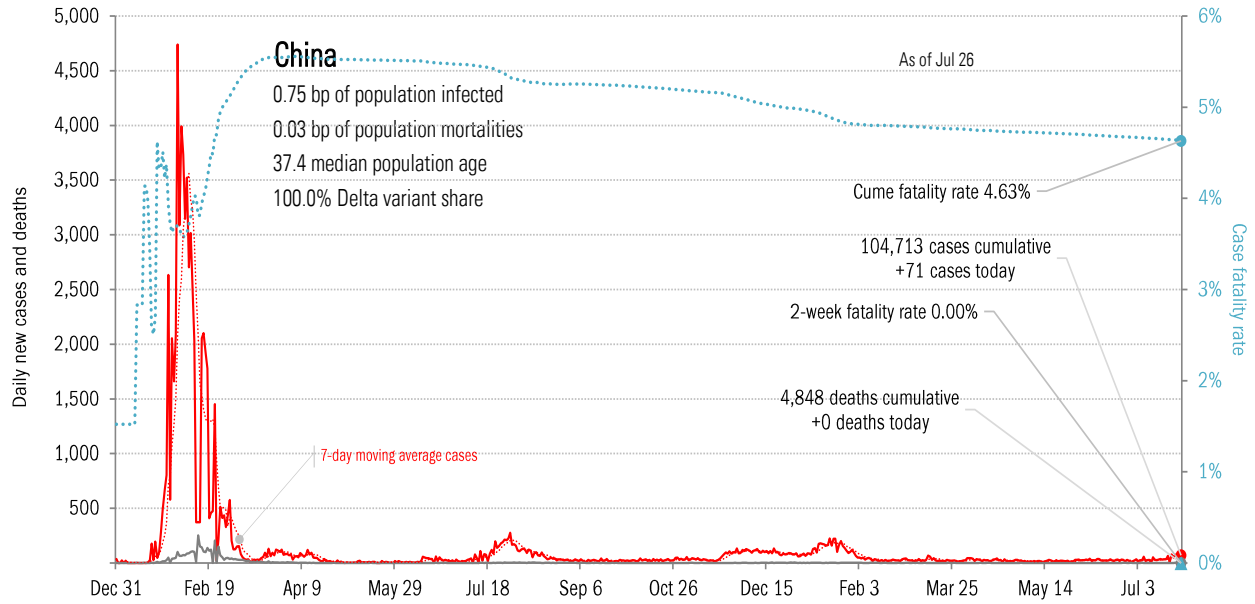
Source: [Johns Hopkins](#), TrendMacro calculations

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



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

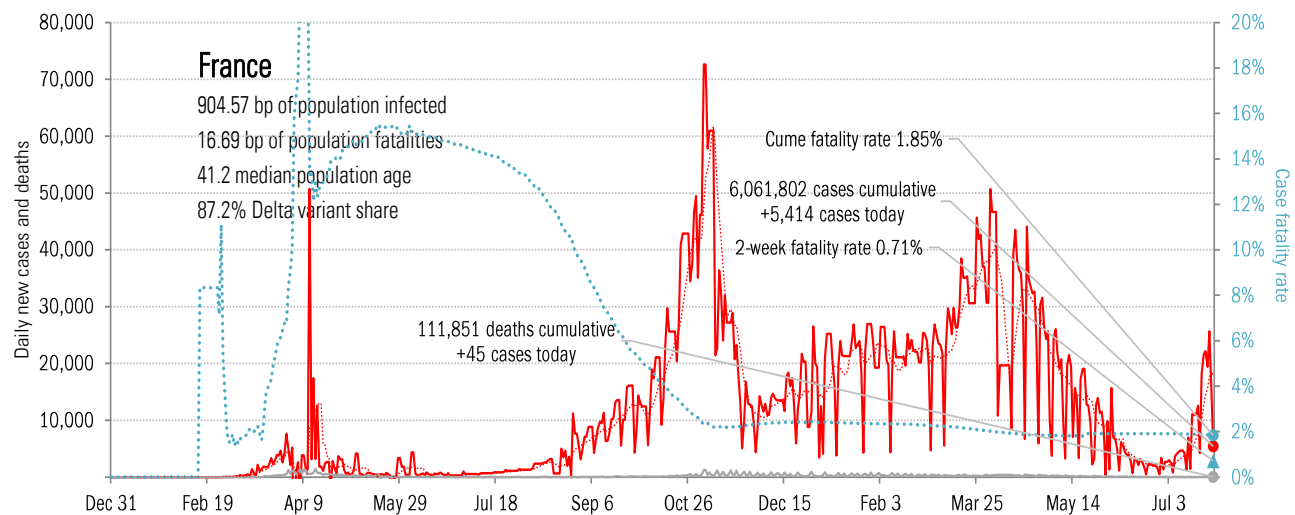
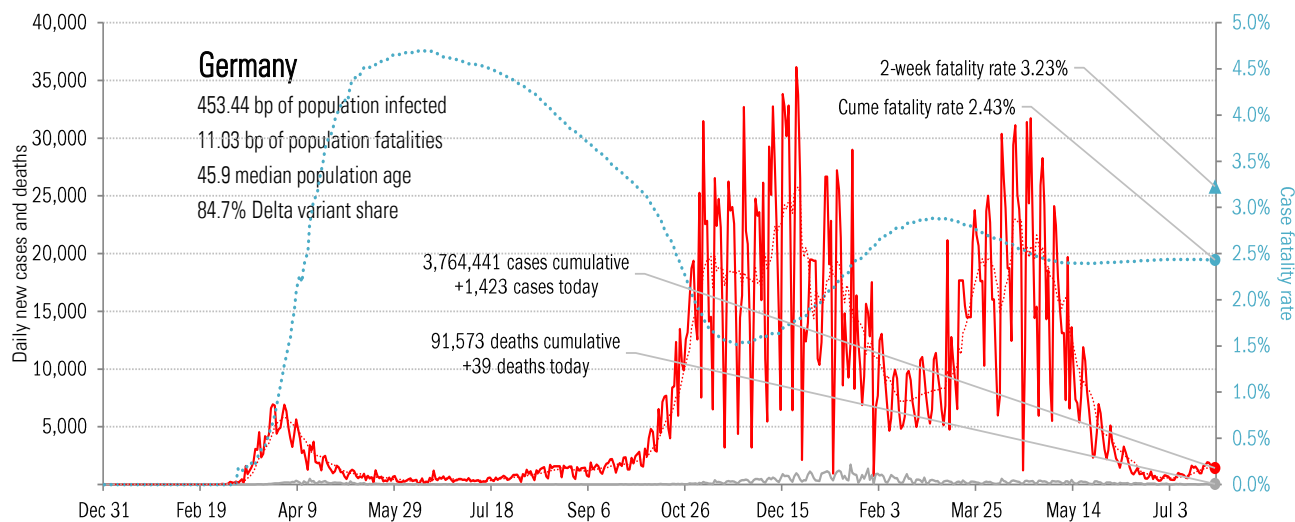
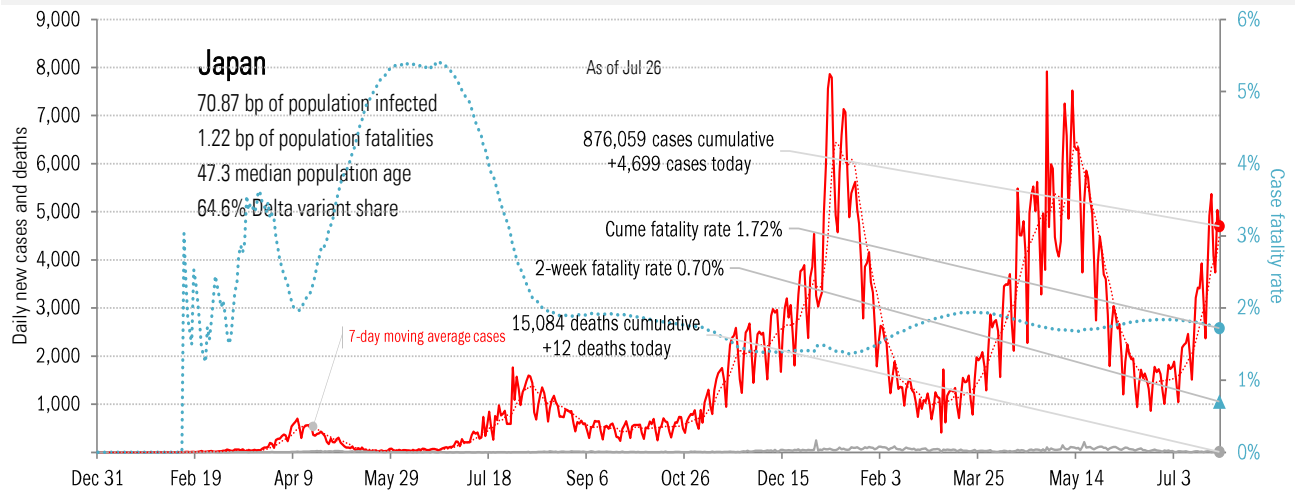
# Patient zero... and then everyone else



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

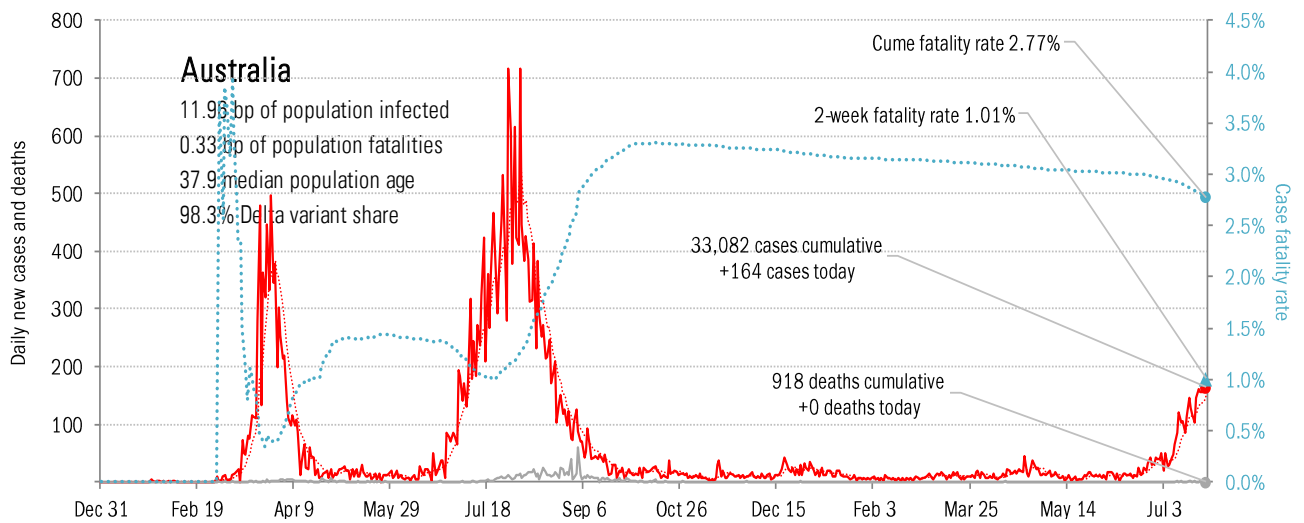
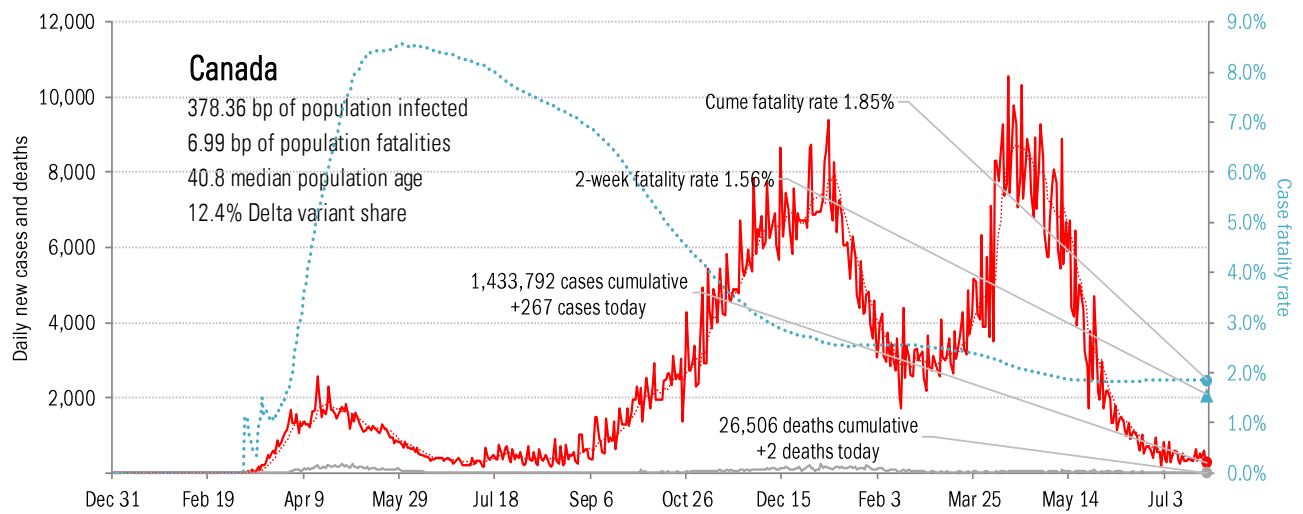
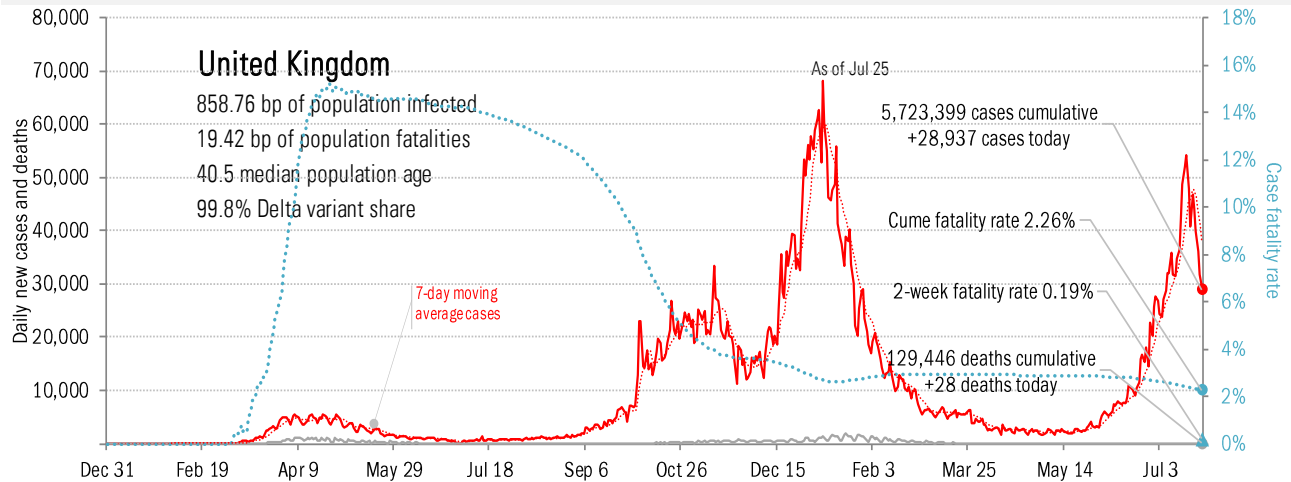


# Impact in the largest economies



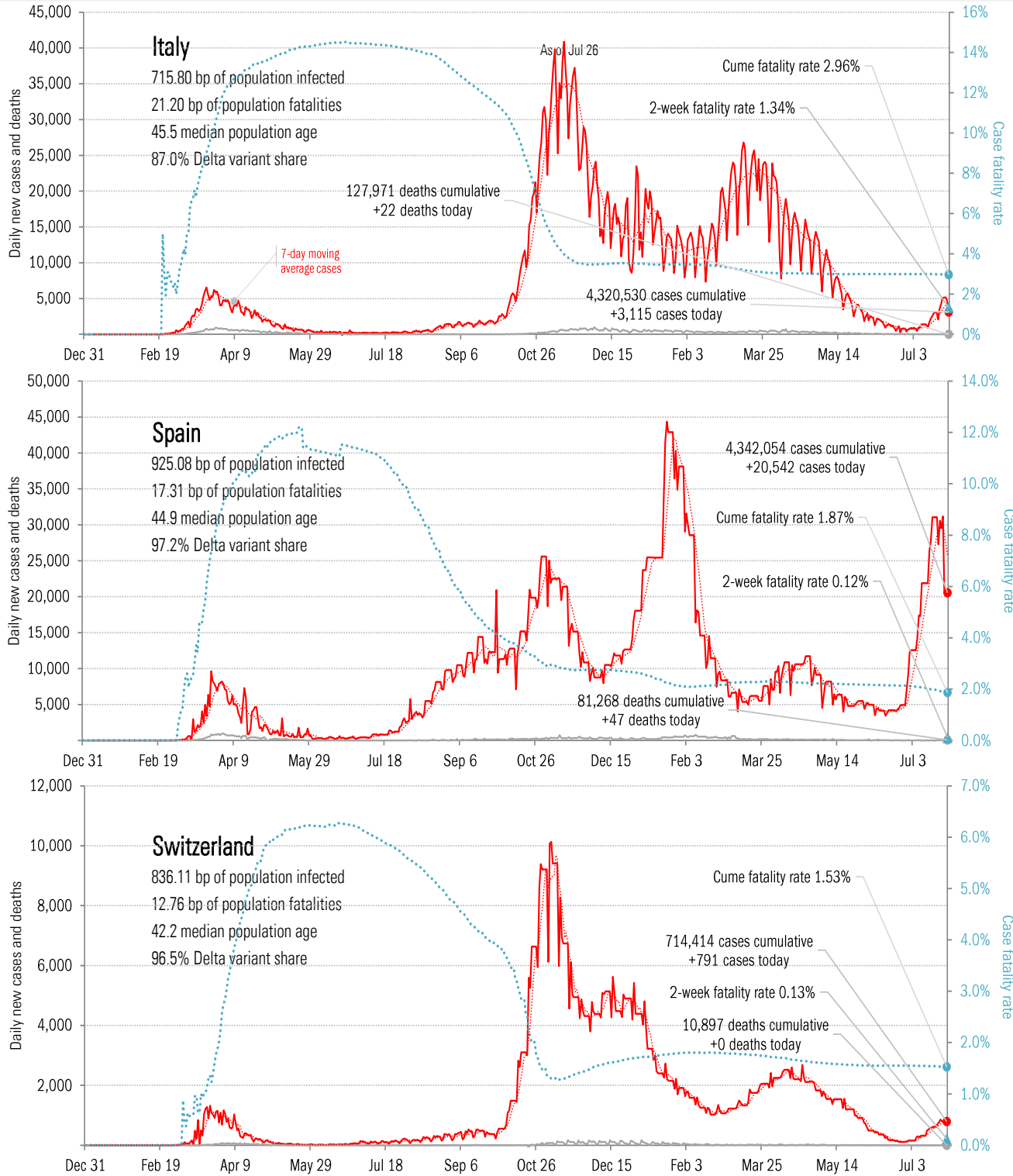
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in The Anglosphere



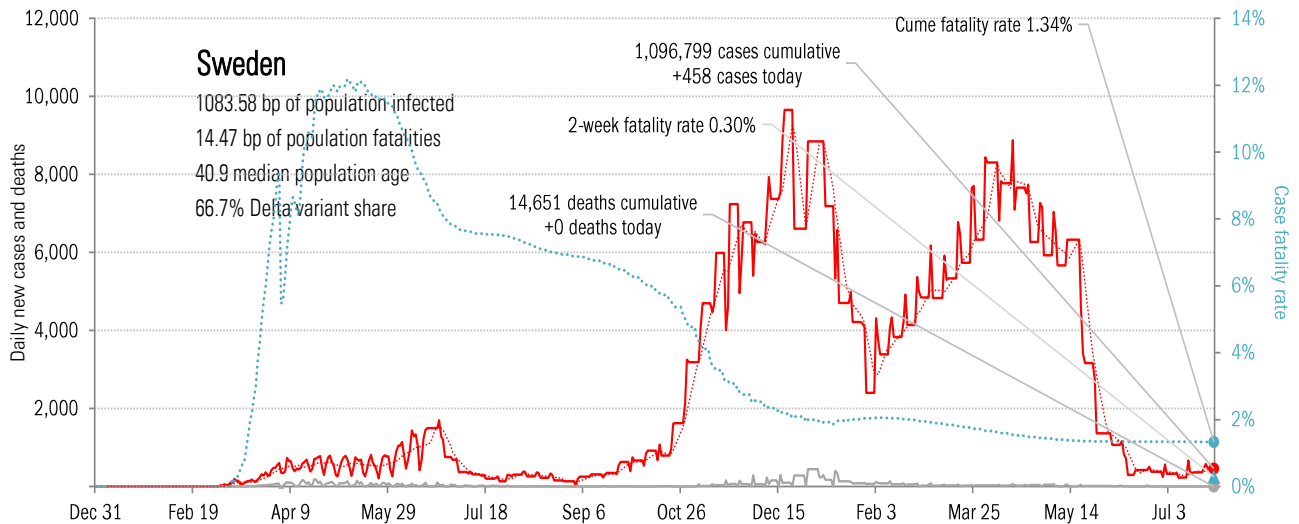
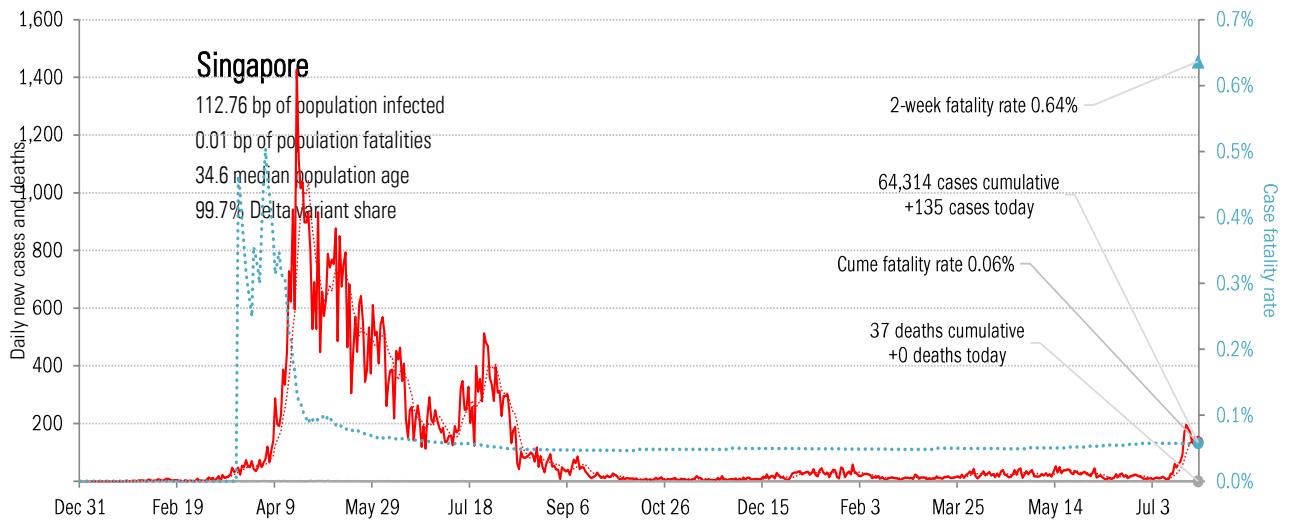
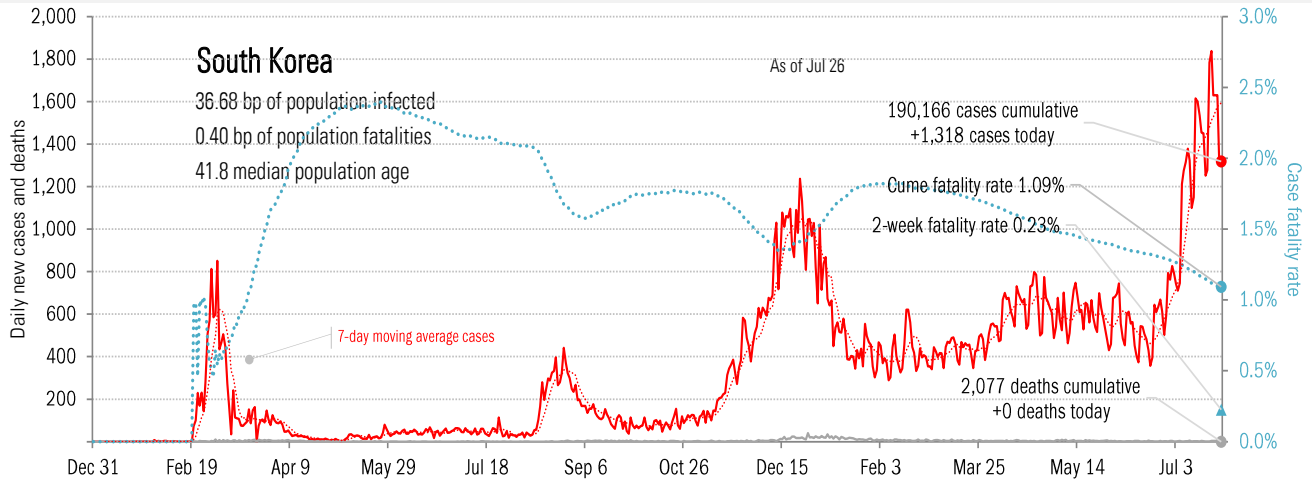
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe



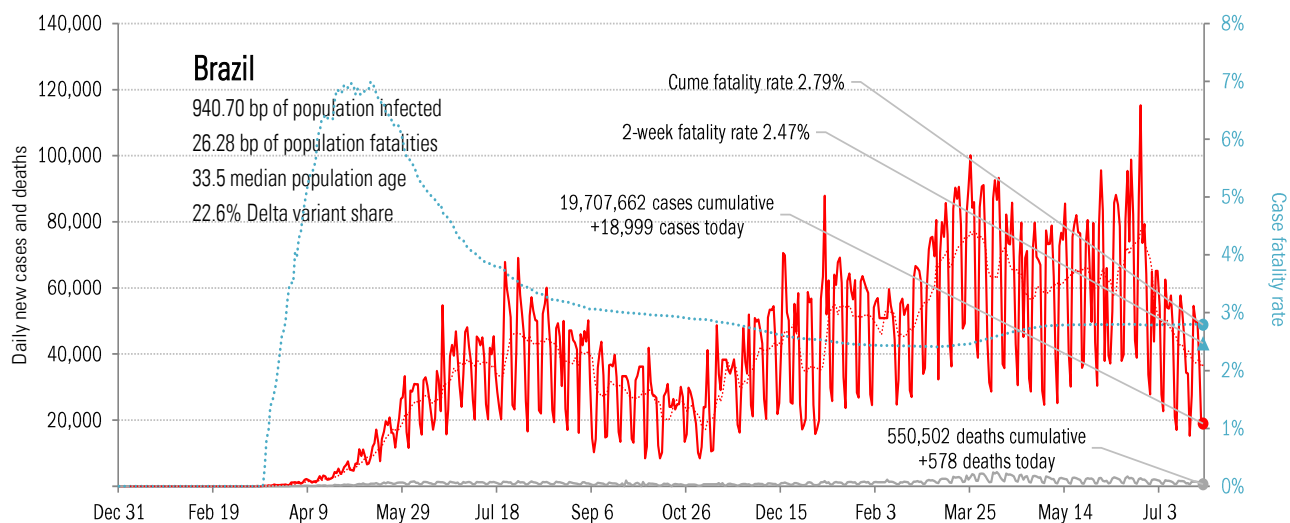
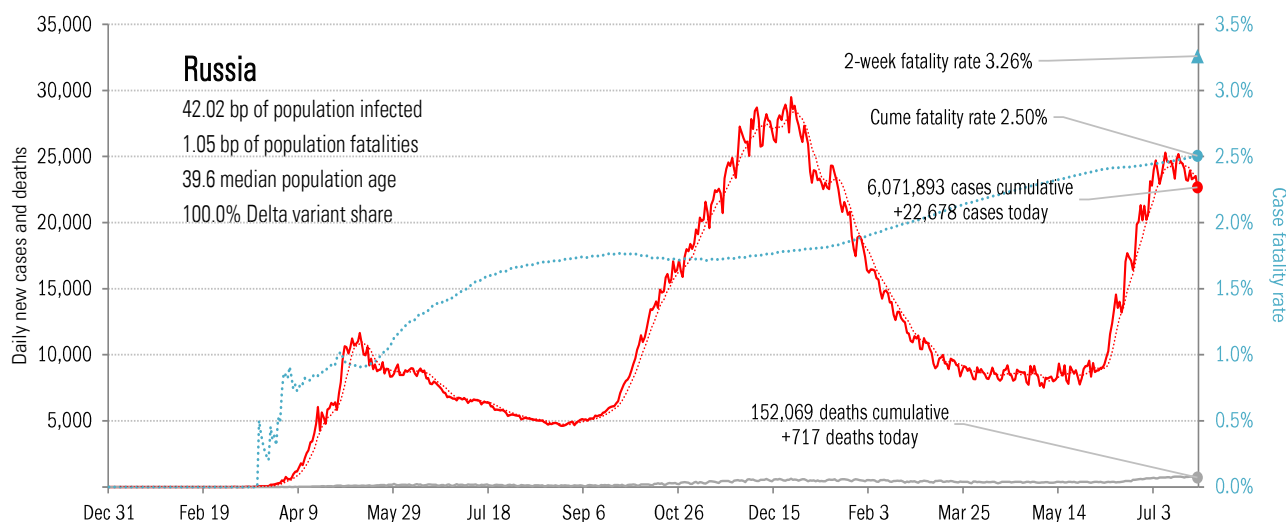
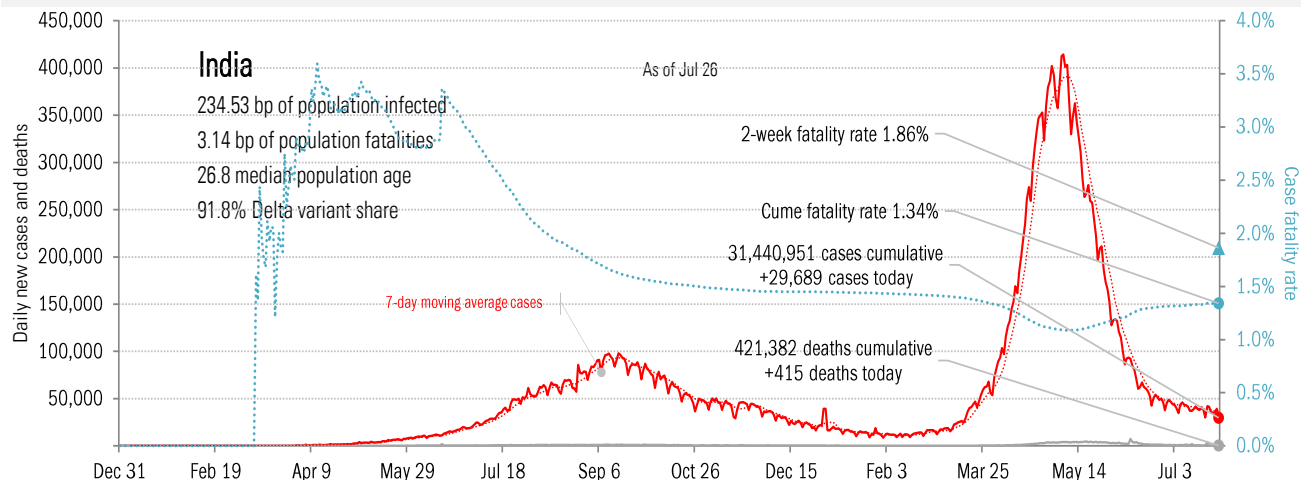
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



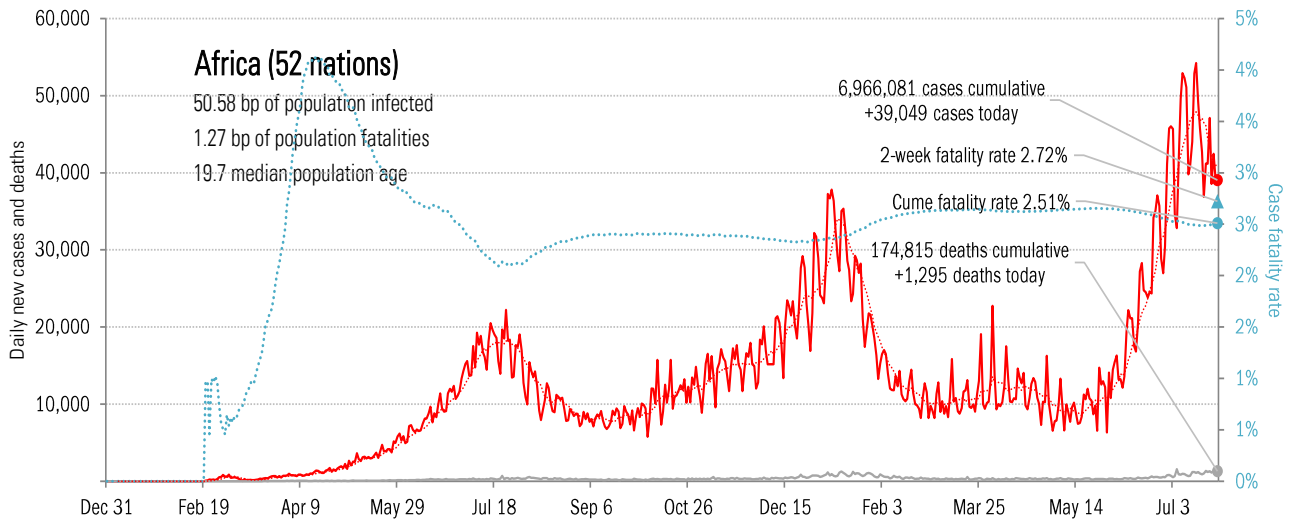
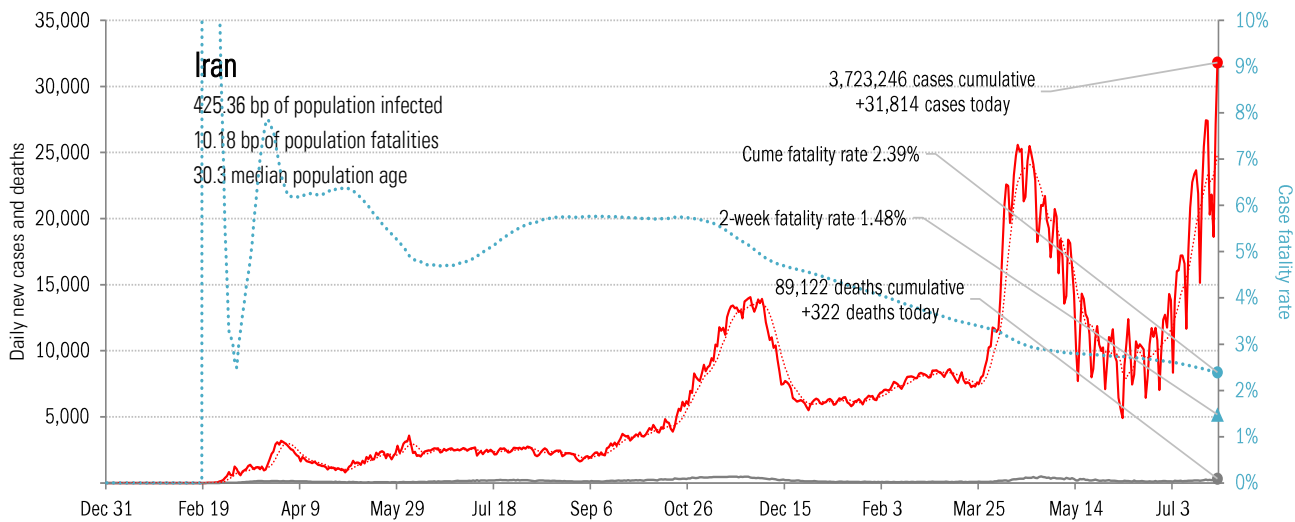
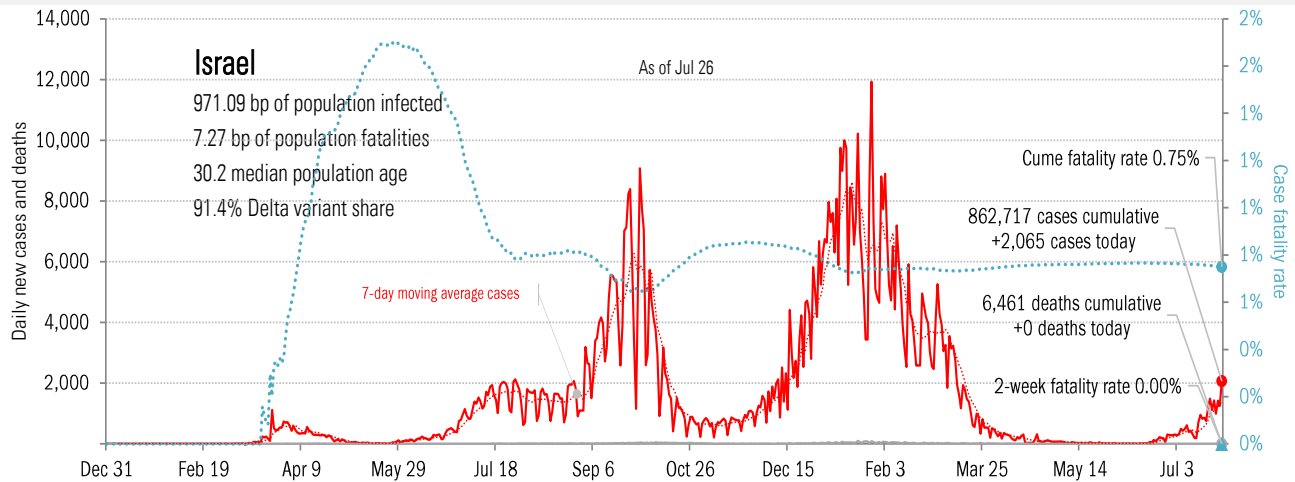
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



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

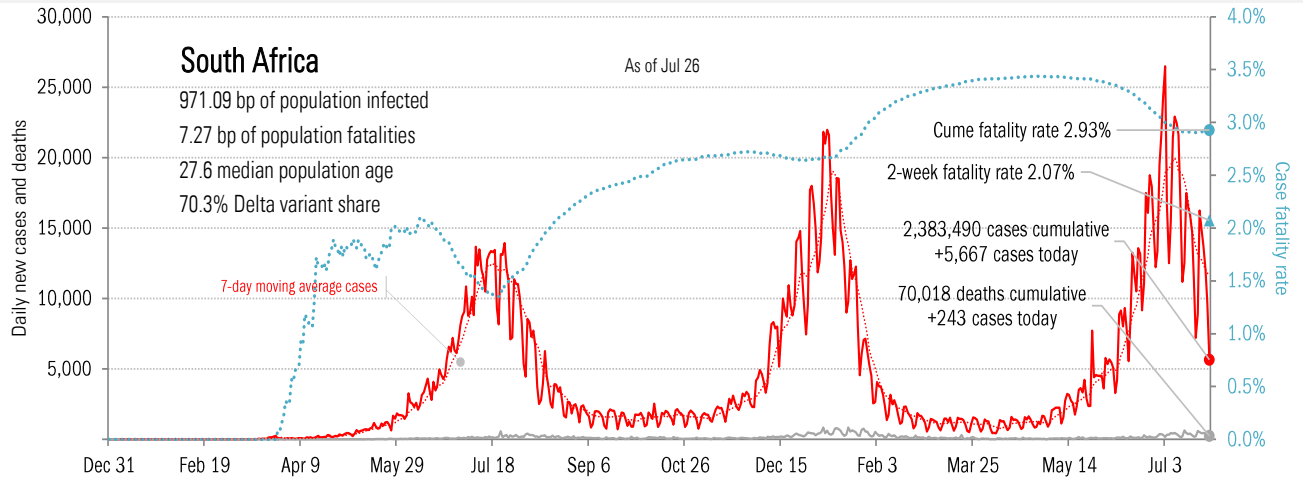
# Impact in the Middle East and Africa



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



# Impact in Africa, continued



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