

## Data Insights: Covid-2019 Monitor

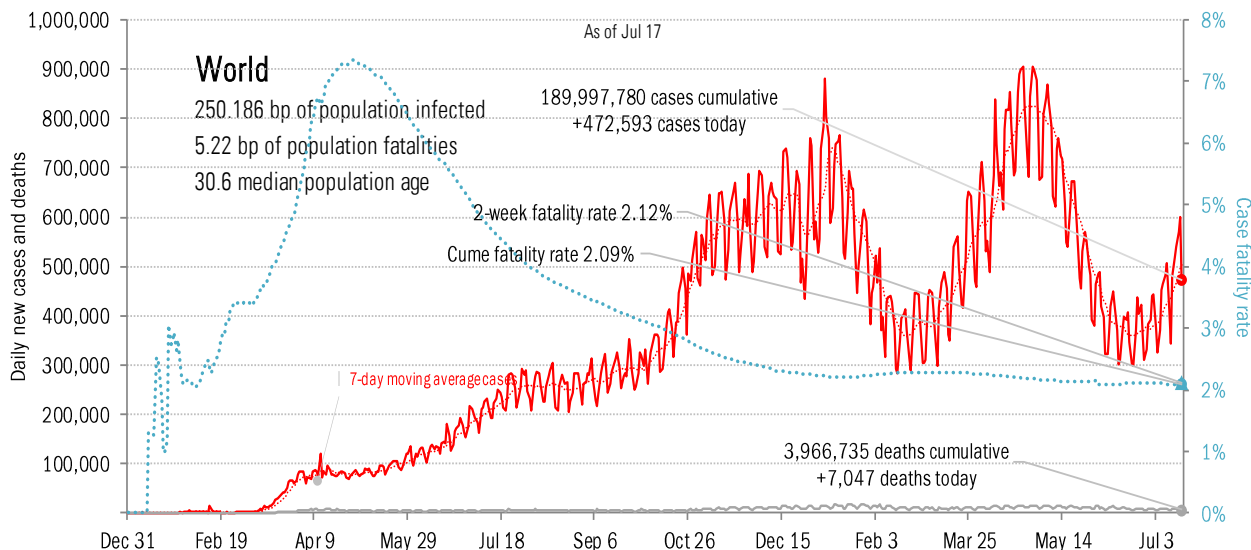
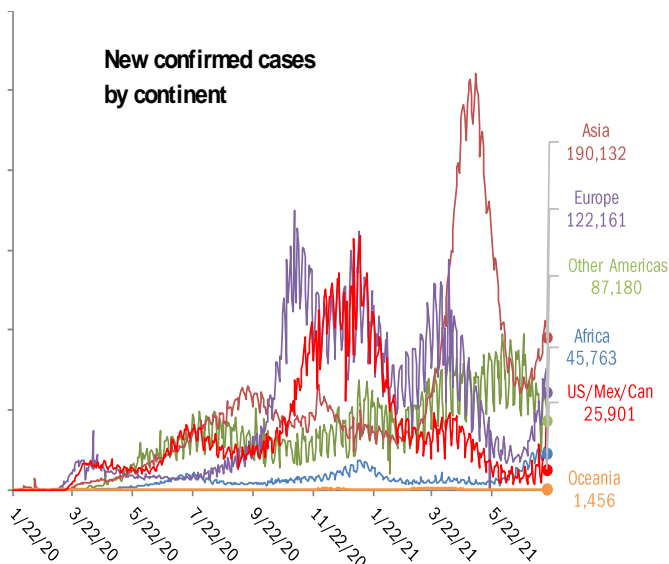
Sunday, July 18, 2021

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
United Kingdom	+ 54,183	Indonesia	+ 1,092
Indonesia	+ 51,952	Brazil	+ 868
India	+ 41,157	Russia	+ 776
Brazil	+ 34,339	India	+ 518
Russia	+ 24,590	Colombia	+ 498
Colombia	+ 19,925	South Africa	+ 291
Iran	+ 15,139	Argentina	+ 276
South Africa	+ 14,701	Burma	+ 233
United States	+ 12,960	Mexico	+ 225
Mexico	+ 12,631	Bangladesh	+ 204
<b>+ 281,577</b>		<b>+ 4,981</b>	
World	+ 472,593	World	+ 7,047
Top ten	60%	Top ten	71%

#### New confirmed cases by continent



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

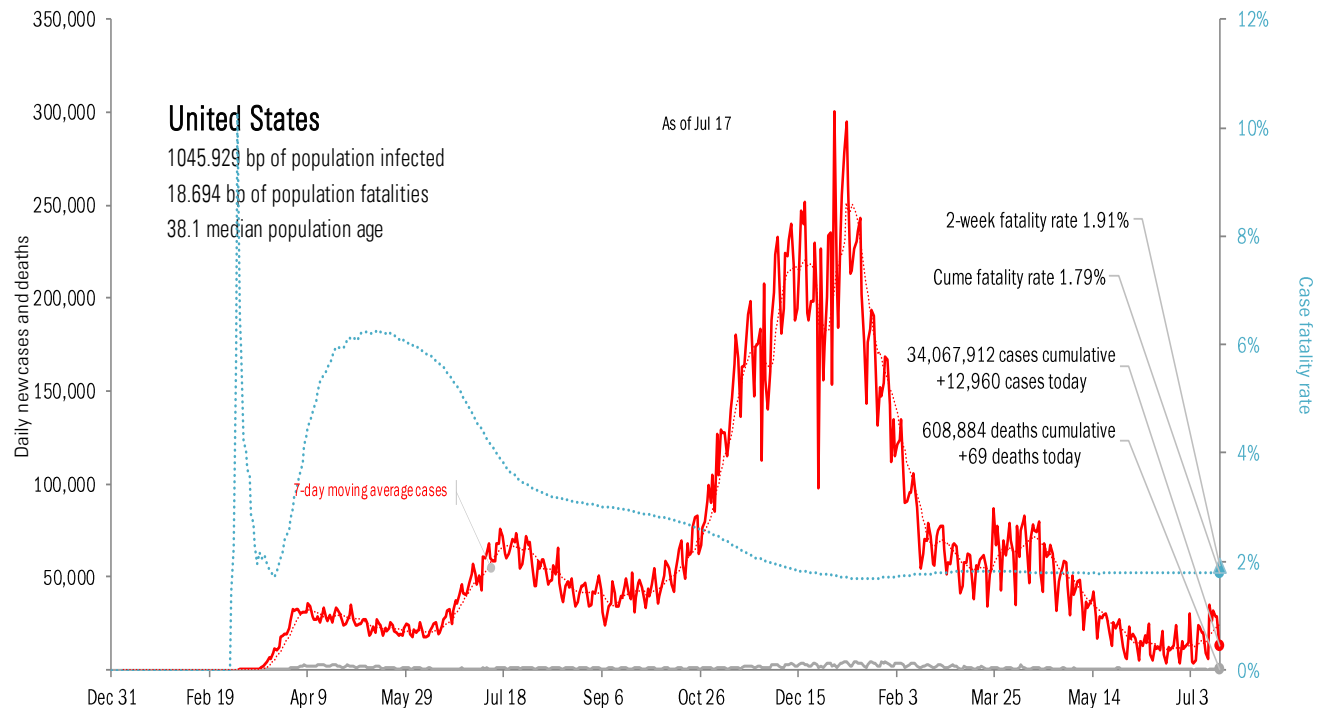
## The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
FL	+9,885		FL	+43		FL	+206		CA	3,858,391		CA	64,093		TX	260,020		RI	89%	MO	27%
CA	+3,224		TX	+24		TX	+100		TX	3,039,664		NY	53,765		CA	244,496		MA	85%	AR	23%
TX	+2,534		CO	+10		CA	+80		FL	2,429,027		TX	52,816		FL	196,191		MD	85%	NV	22%
MO	+2,395		CA	+7		GA	+55		NY	2,125,535		FL	38,240		NY	137,570		MO	84%	UT	20%
NY	+1,367		MO	+5		LA	+48		IL	1,399,946		PA	27,790		GA	111,387		PA	82%	WY	17%
AL	+901		NJ	+5		AL	+43		PA	1,220,385		NJ	26,536		PA	92,342		FL	81%	MS	15%
NJ	+549		NY	+5		AZ	+33		GA	1,145,976		IL	25,790		CH	88,864		CT	81%	FL	14%
CO	+535		ME	+4		NY	+28		CH	1,116,808		GA	21,558		IL	83,639		NV	81%	TX	13%
CH	+486		PA	+4		NV	+24		NJ	1,028,503		MI	21,109		KY	80,000		DC	81%	OK	13%
PA	+325		MD	+2		UT	+23		NC	1,022,876		CH	20,437		MI	73,744		MN	80%	ID	13%
+22,201			+109			+640			18,387,111			352,134			1,368,253						
All states	+22,845			+112			+611		All states	34,067,912			608,884			2,437,679		All states	70%		67%
Top ten	97%			97%			105%		Top ten	54%			58%			56%		Median	73%		5%

Some states not reporting

## Five most improved US states

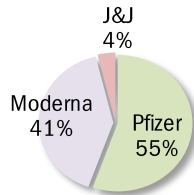
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-4,362	CA	-36	KY	-364	MP	+50 bp
CA	-2,403	CH	-26	AR	-57	FL	+30 bp
TX	-1,897	AZ	-17	CH	-44	MO	+20 bp
LA	-1,605	MI	-17	MO	-33	MS	+20 bp
AR	-1,342	GA	-12	MS	-24	PR	+20 bp



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	402,006,345				+0.745 million	US	48.1%	55.5%
Doses administered	347,118,985				+0.647 million	UK	52.6%	68.1%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	40.1%	54.4%
Total population	190,520,241	57%	165,249,047	49%	+0.313 million	Spain	50.0%	62.1%
Age 12 to 17	9,709,157	38%	7,617,666	30%	+0.058 million	Germany	45.6%	59.2%
Age 18 to 64	130,267,037	64%	112,540,962	55%	+0.213 million	Italy	42.9%	60.3%
Age 65 and over	50,319,493	92%	44,961,299	82%	+0.042 million	Australia	10.8%	28.3%



AK
61.7%
50.7%
44.9%

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  
**208 days**  
by Feb 10, 2022  
61.0% of population >18 immunized  
11.6% previously tested positive  
**72.6%** vs 60% adult herd immunity\*

Global data differs from sources, timing

China NA	ME
	73.9%
	67.4%
	62.8%
VT	NH
79.3%	73.2%
74.8%	63.8%
66.8%	57.6%

WA	ID	MT	ND	MN	IL	MI	NY	MA		
66.1%	50.9%	55.9%	50.1%	61.8%	62.4%	62.3%	66.2%	74.8%		
62.8%	40.3%	48.5%	44.6%	57.9%	60.9%	52.3%	61.6%	71.6%		
56.5%	36.9%	43.8%	39.6%	53.0%	47.6%	48.2%	55.9%	63.0%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
71.3%	54.7%	48.0%	58.5%	58.7%	53.8%	56.6%	66.5%	69.7%	70.9%	75.3%
59.7%	51.6%	40.7%	51.5%	52.3%	46.1%	49.0%	64.2%	64.4%	68.4%	65.8%
55.1%	43.3%	36.0%	46.3%	49.0%	43.4%	45.8%	51.2%	56.9%	62.2%	60.4%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
66.5%	54.1%	64.9%	57.7%	53.7%	54.0%	56.8%	65.1%	75.0%	70.5%	
63.2%	50.7%	59.1%	52.6%	46.7%	50.6%	45.7%	60.4%	63.3%	59.4%	
51.6%	43.8%	53.4%	48.7%	40.2%	44.7%	38.8%	53.5%	57.7%	51.6%	
AZ	NM	KS	AR	TN	NC	SC	DC			
60.1%	60.7%	57.0%	51.0%	50.2%	59.8%	55.5%	80.2%			
51.7%	64.2%	50.3%	43.8%	43.3%	49.8%	45.3%	62.8%			
44.4%	56.1%	43.0%	35.3%	38.4%	42.9%	39.8%	53.9%			
OK	LA	MS	AL	GA						
54.3%	47.2%	48.4%	53.0%	56.5%						
46.1%	39.7%	37.7%	41.1%	44.4%						
39.4%	36.1%	33.8%	33.6%	37.5%						
HI	TX						FL		PR	
72.1%	59.3%						63.1%		69.4%	
70.7%	49.6%						55.4%		67.4%	
52.9%	42.7%						47.6%		58.5%	

As of Jul 18

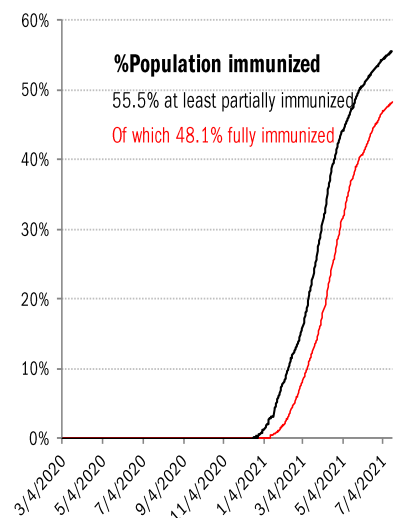
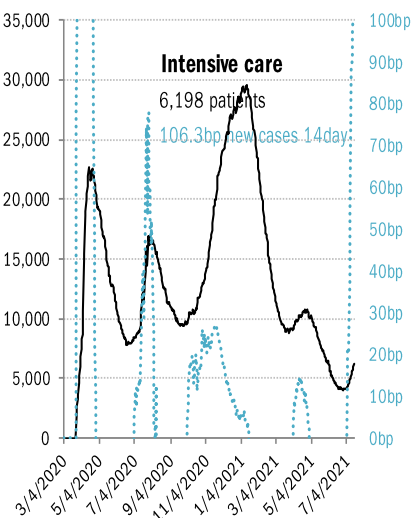
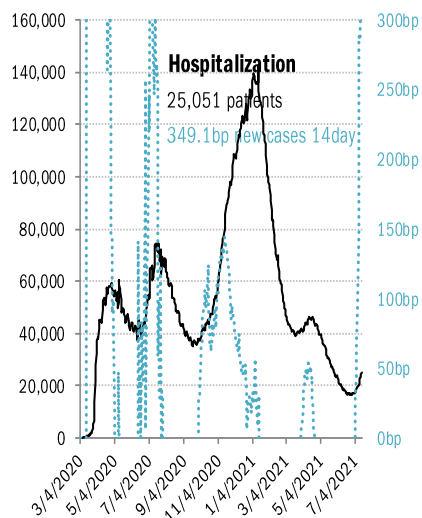
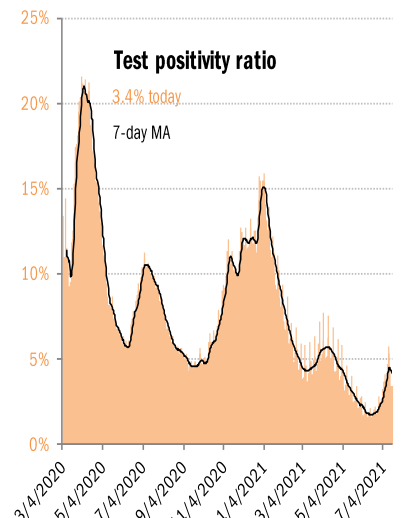
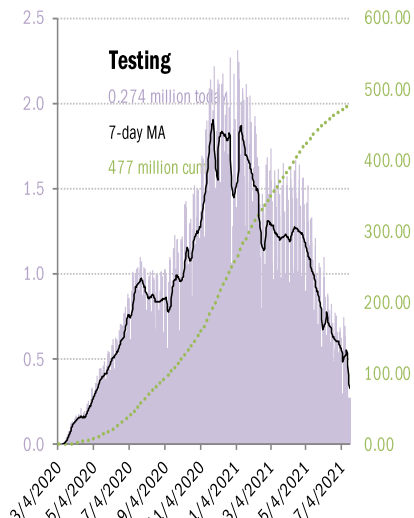
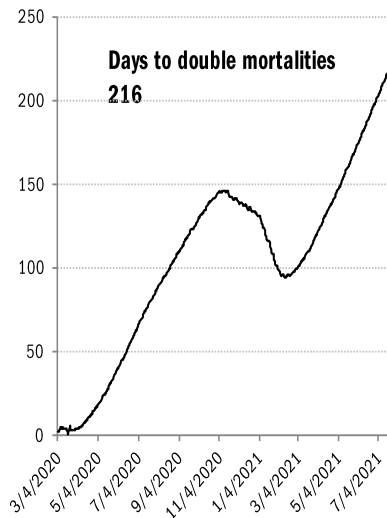
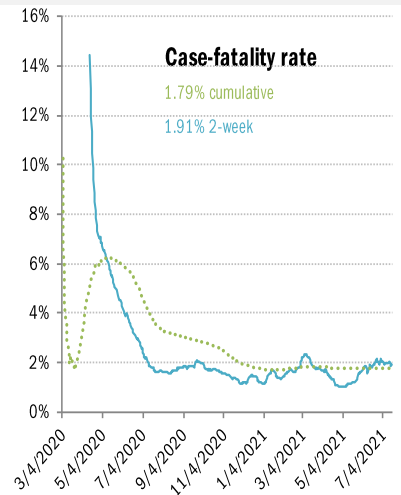
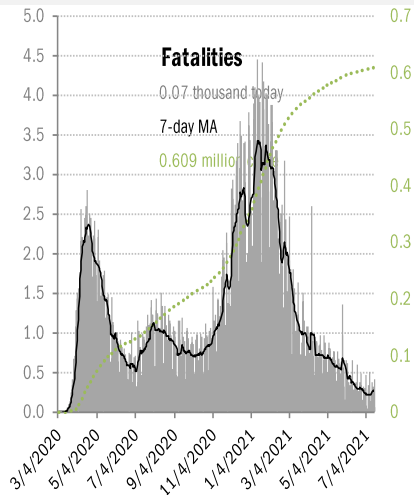
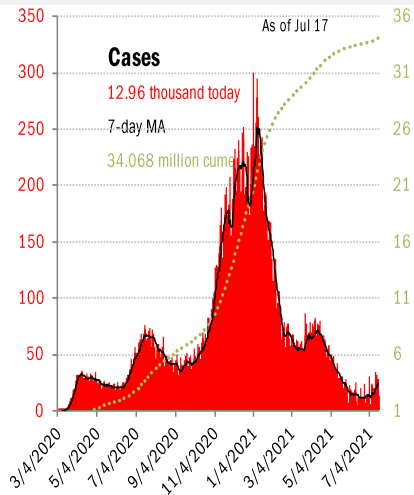
\* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

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

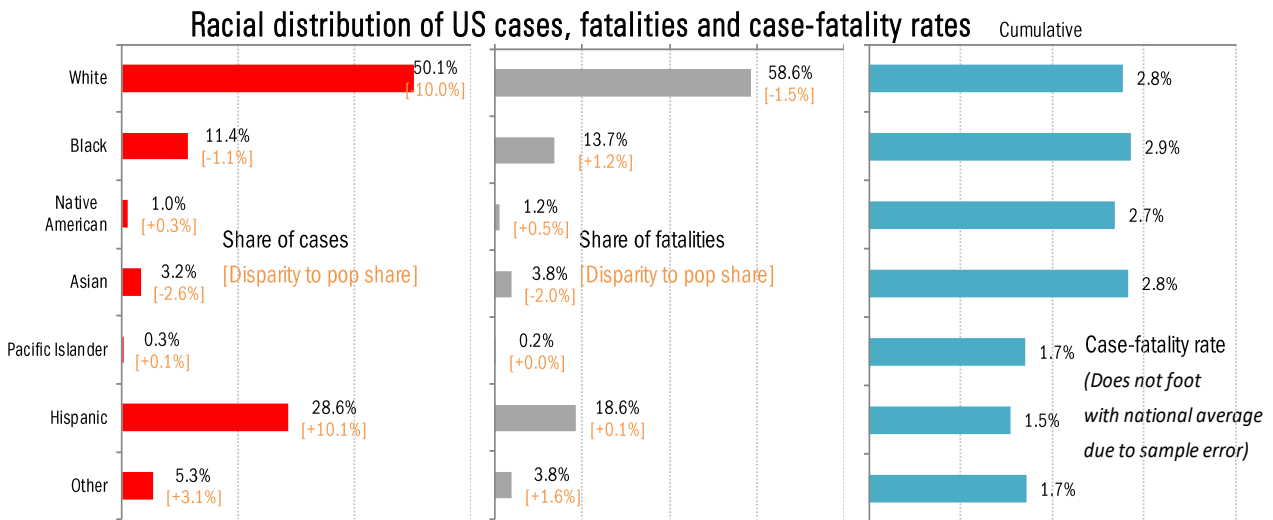
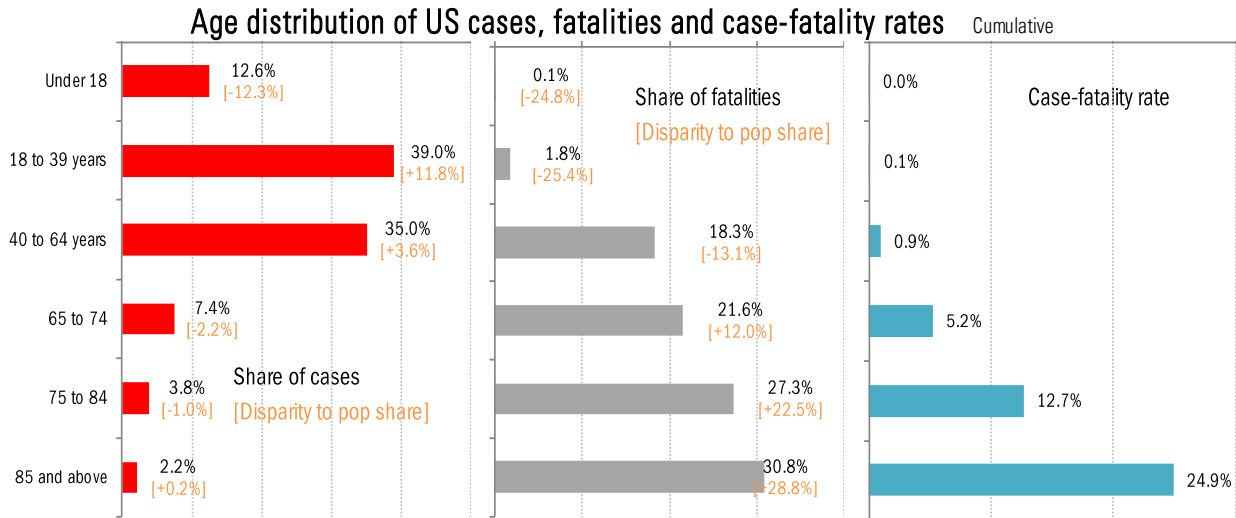
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

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

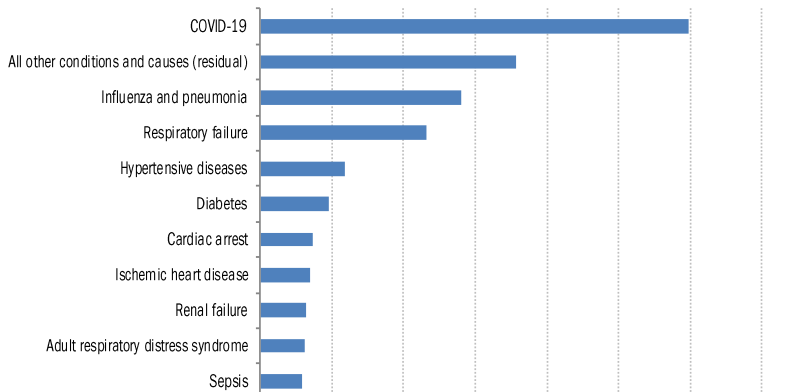


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### 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

[Dallas resident has Texas' first-ever case of monkeypox, but it's 'not a reason for alarm'](#)

Tom Steele  
*Dallas Morning News*  
July 16, 2021

["This Is Worrying Me Quite A Bit": mRNA Vaccine Inventor Shares Viral Thread Showing COVID Surge In Most-Vaxxed Countries](#)

Tyler Durden  
*Zero Hedge*  
July 17, 2021

[In Undervaccinated Arkansas, Covid Upends Life All Over Again](#)

Sharon LaFraniere  
*New York Times*  
July 17, 2021

[Niger Is the Land That Covid-19 Forgot](#)

Benoit Faucon  
*Wall Street Journal*  
July 17, 2021

[L.A.'s Mask Order Faces Push Back From Sheriff, Board Supervisor](#)

Linus Chua  
*Bloomberg*  
July 17, 2021

[Assessing the Association Between Social Gatherings and COVID-19 Risk Using Birthdays](#)

Christopher M. Whaley et al.  
*Journal of the American Medical Association*  
June 21, 2021

[The Covid 'Birthday Effect' Crossed Political Boundaries](#)

Anupam B. Jena  
*New York Times*  
July 16, 2021

[Sajid Javid self-isolating after testing positive for Covid](#)

Jim Pickard  
*Financial Times*  
July 17, 2021

[Covid: Spain's top court rules lockdown unconstitutional](#)

*BBC*  
July 15, 2021

[Lifting England's Covid rules while cases surge is 'threat to the world'](#)

George Parker and Clive Cookson  
*Financial Times*  
July 16, 2021

[Covid-19 vaccines for children: hypothetical benefits to adults do not outweigh risks to children](#)

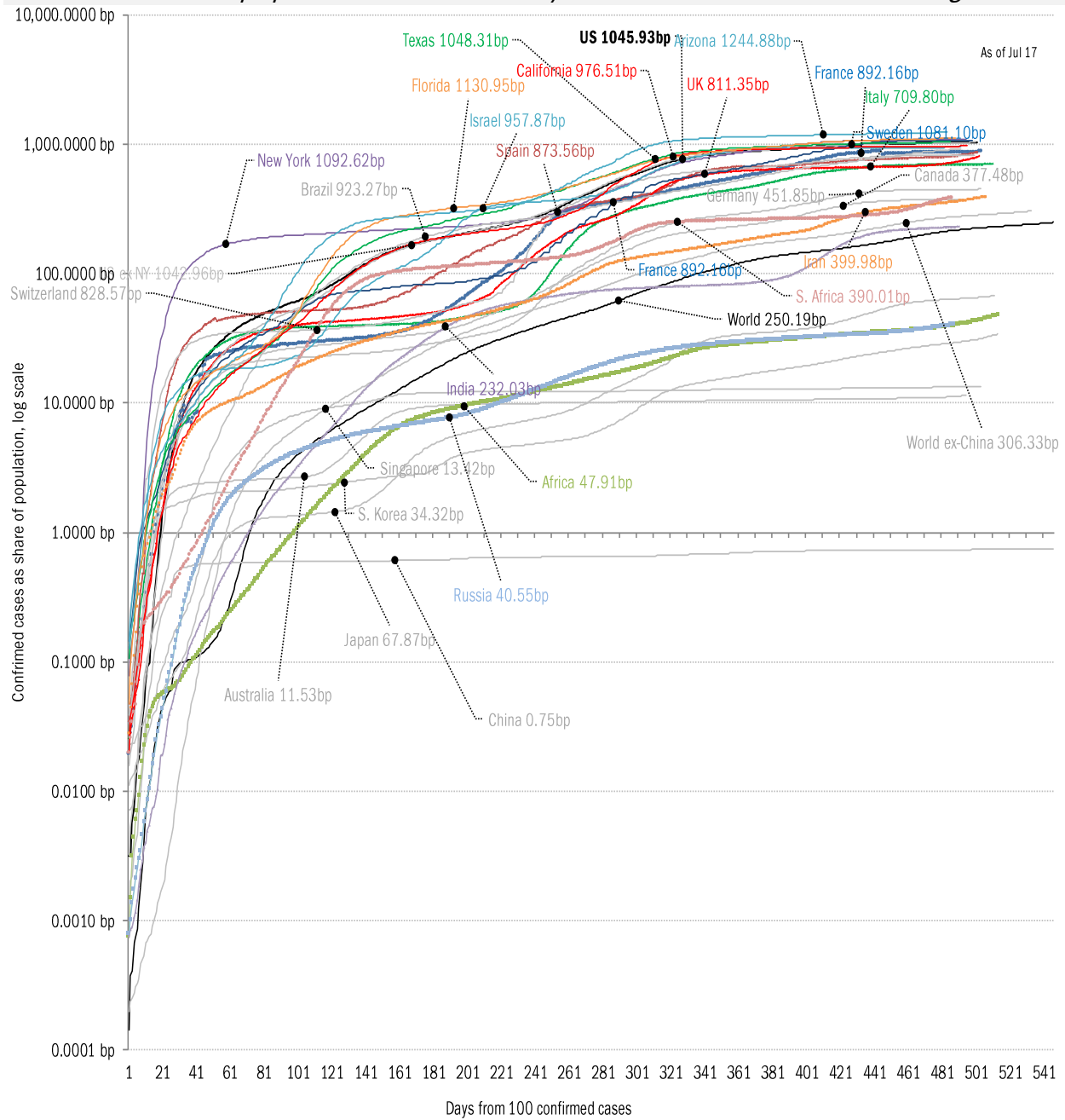
Elia Abi-Jaoude et al.  
*British Medical Journal*  
July 13, 2021

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*

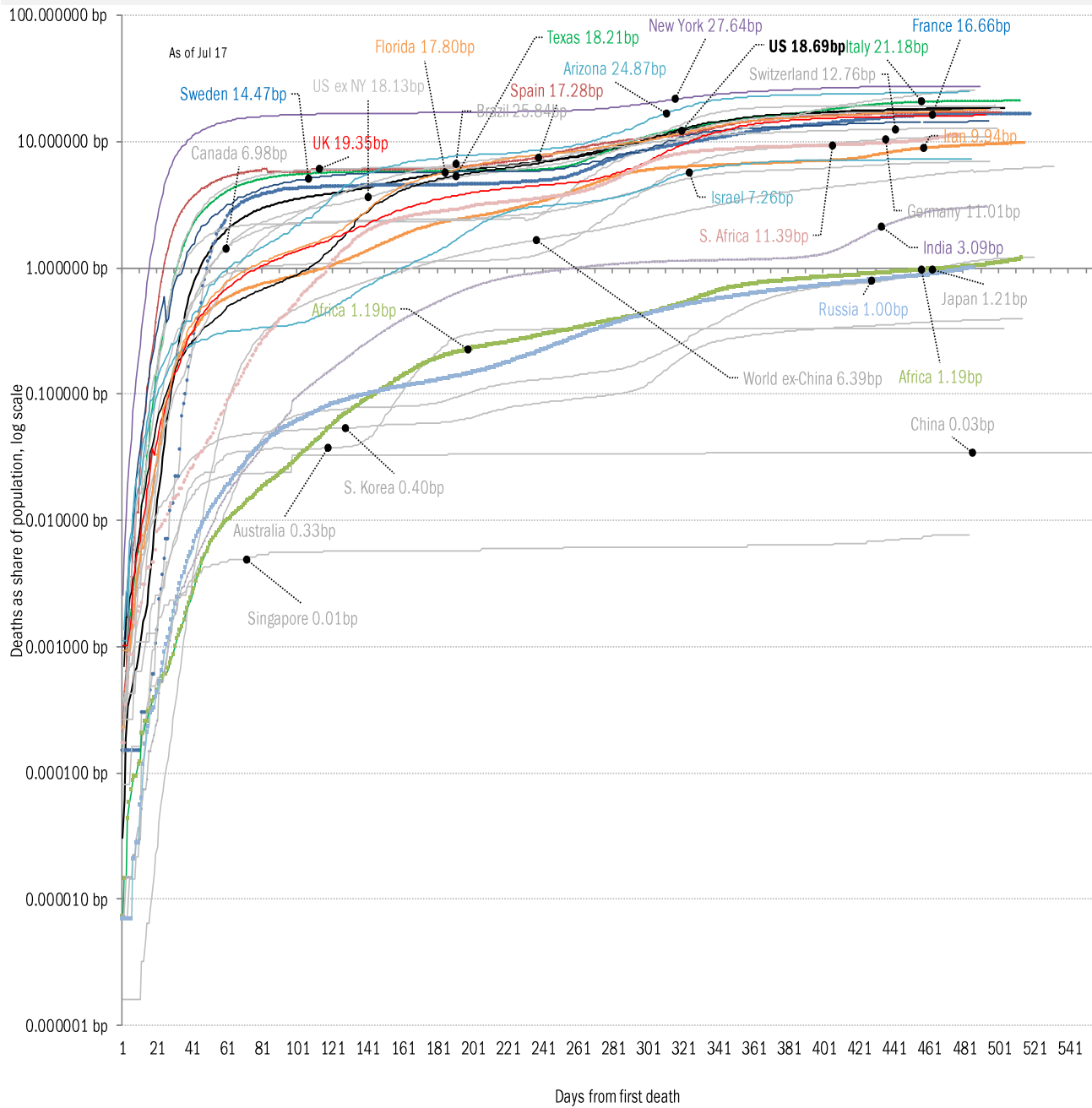


Source: [Johns Hopkins](#), TrendMacro calculations



# The coronavirus mortality accelerometer ... tracking the world's fatality curves

*Share of deceased population from day of first fatality, log scale*

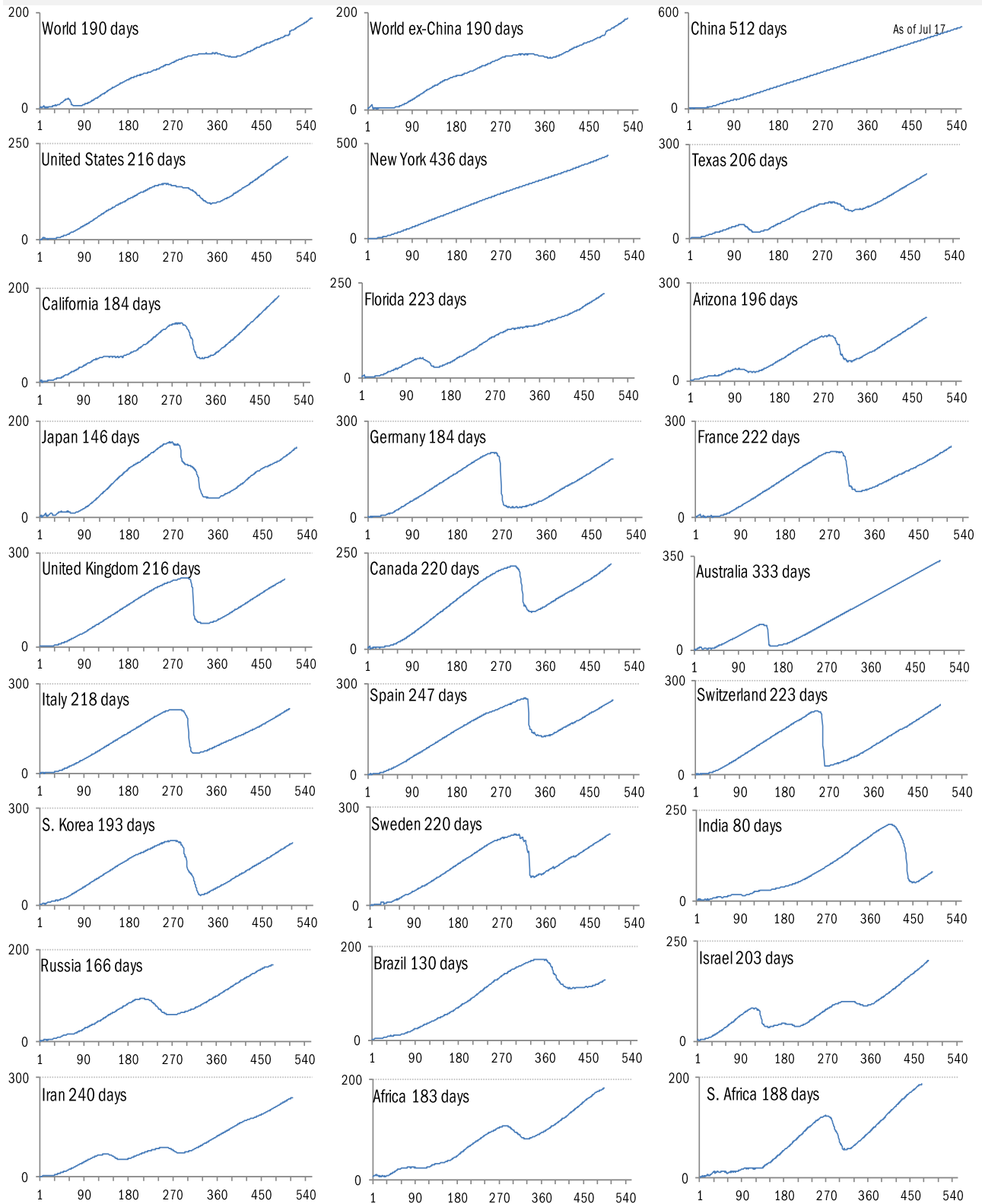


Source: [Johns Hopkins](#), TrendMacro calculations

# "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

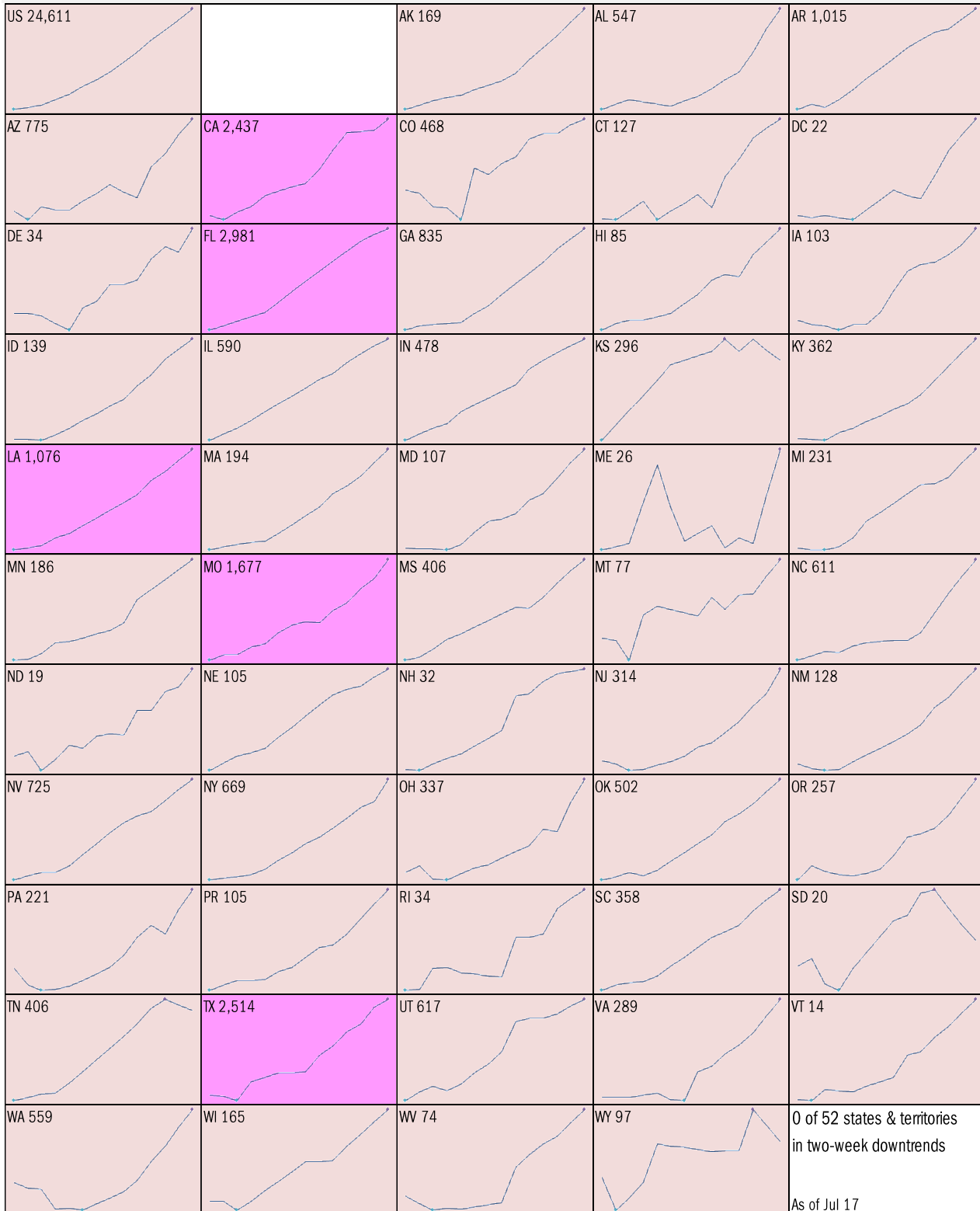


Source: [Johns Hopkins](#), TrendMacro calculations

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

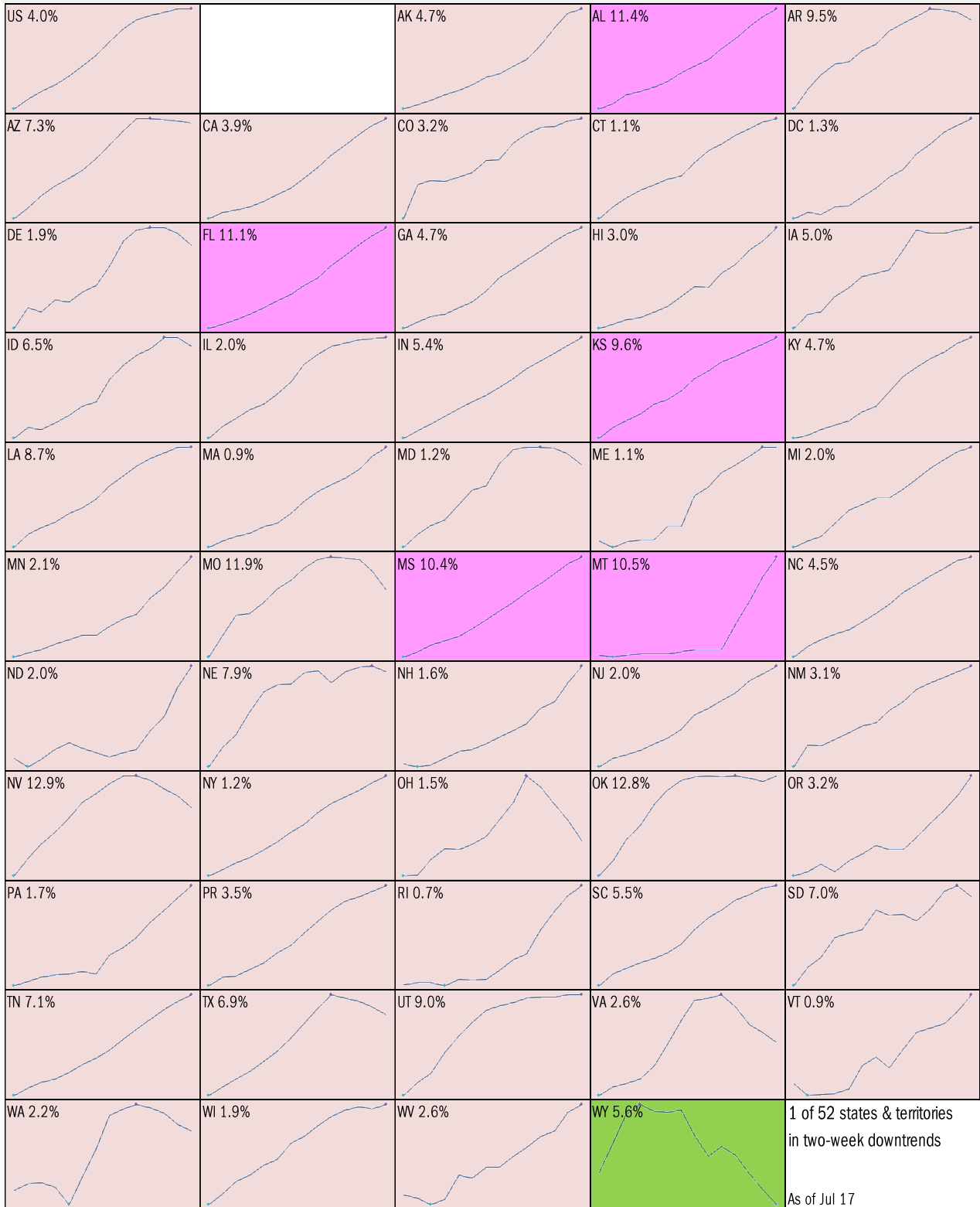


Source: [Johns Hopkins](#), TrendMacro calculations

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

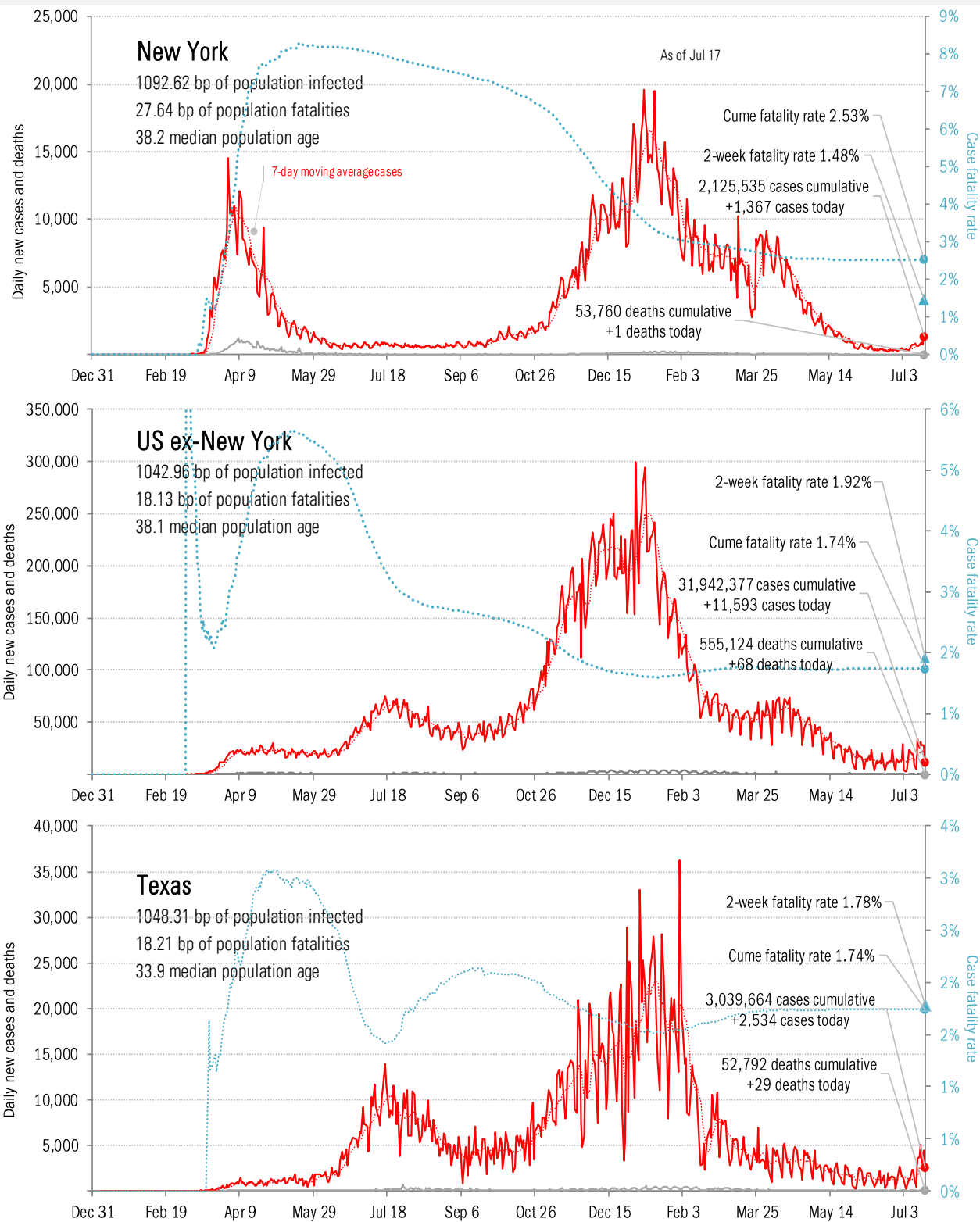
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



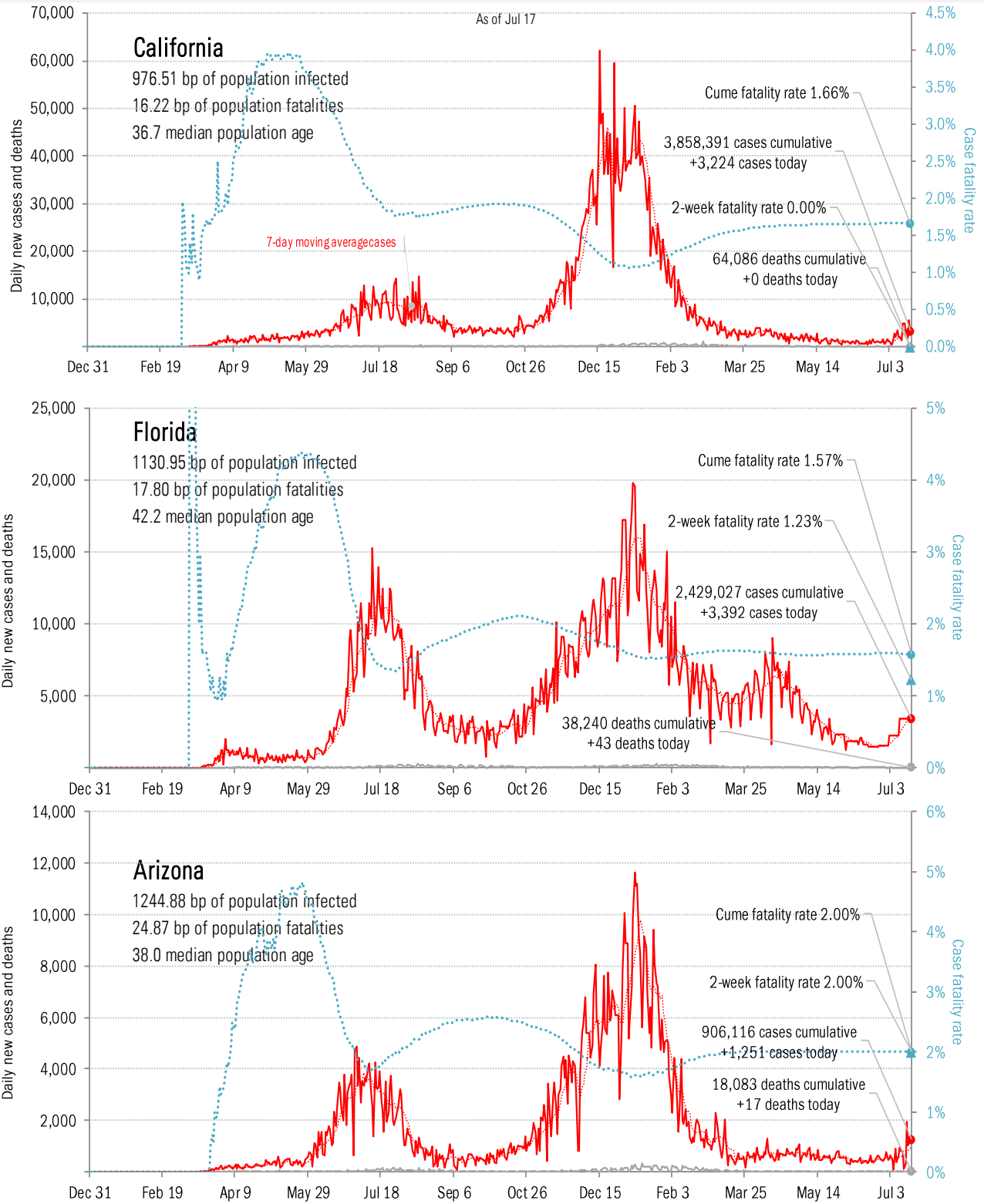
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



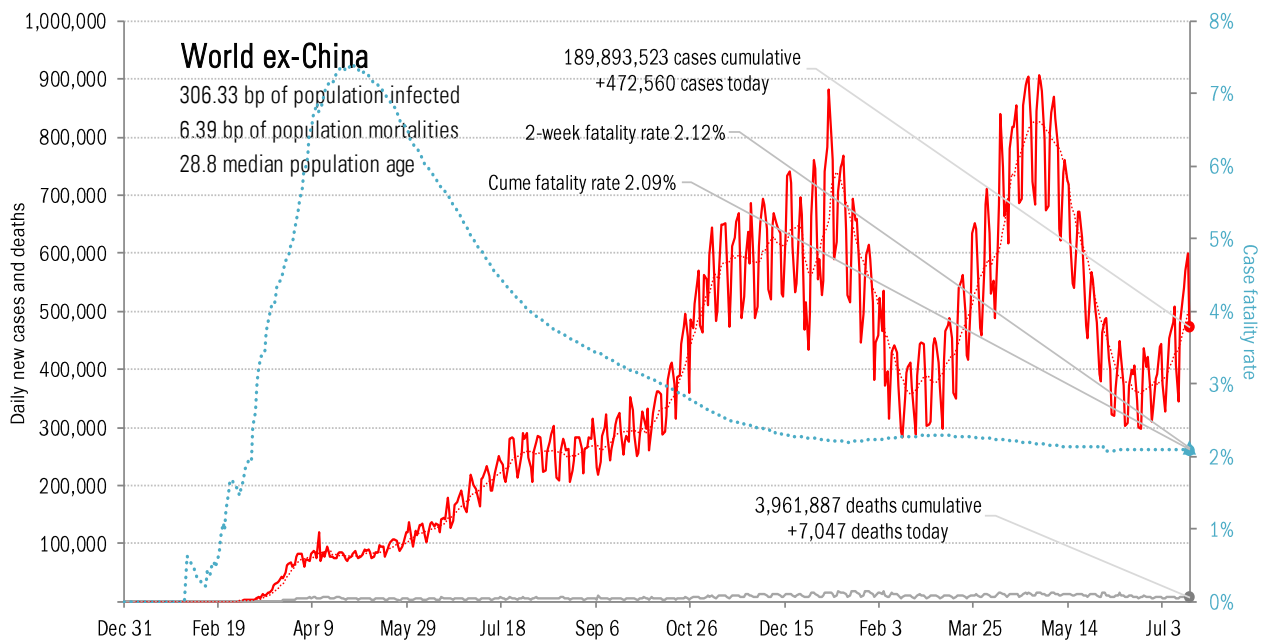
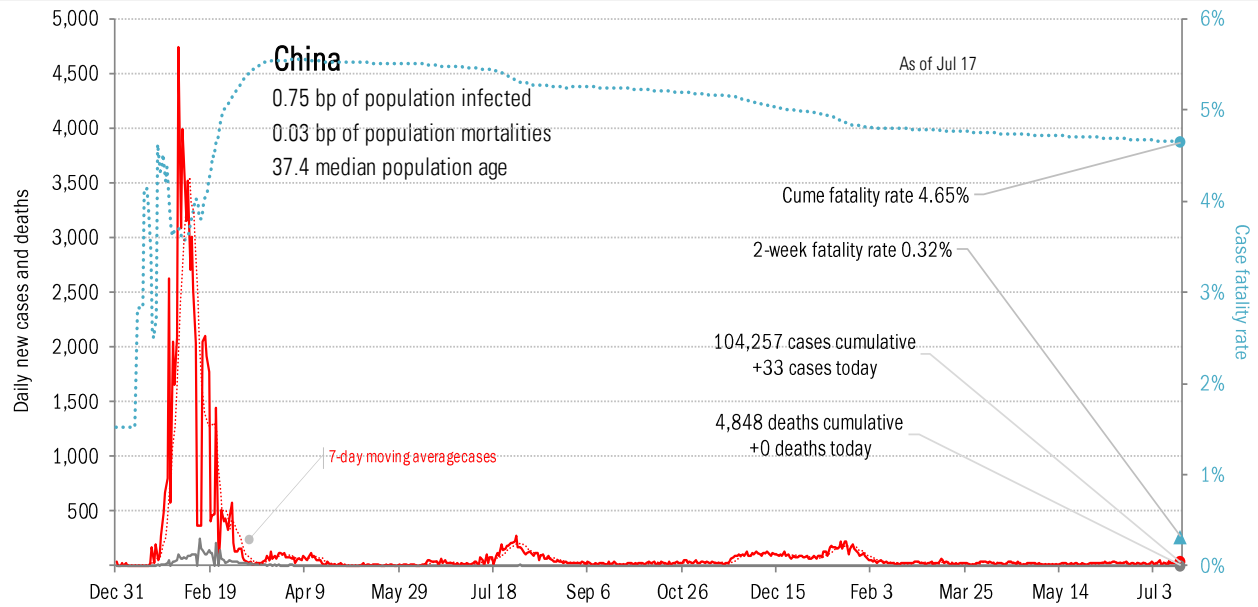
Source: [Johns Hopkins](#), TrendMacro calculations

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



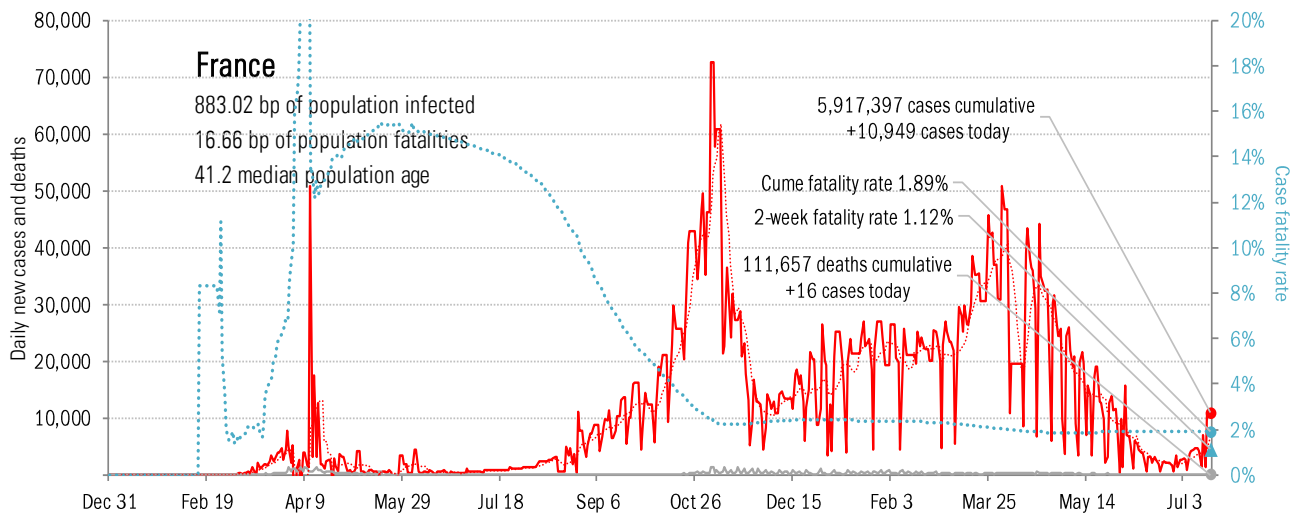
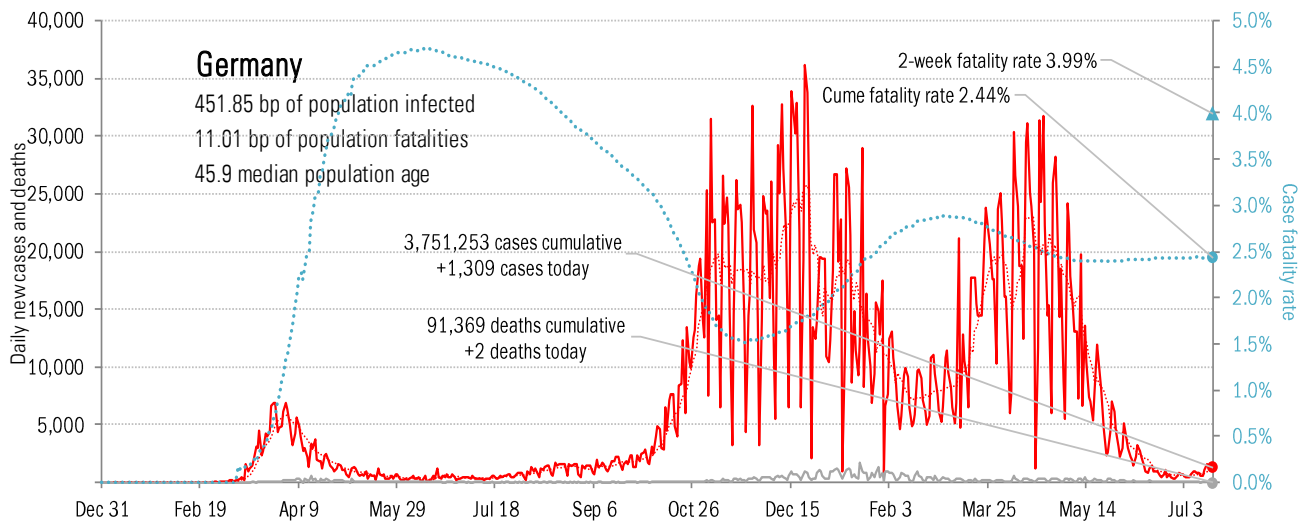
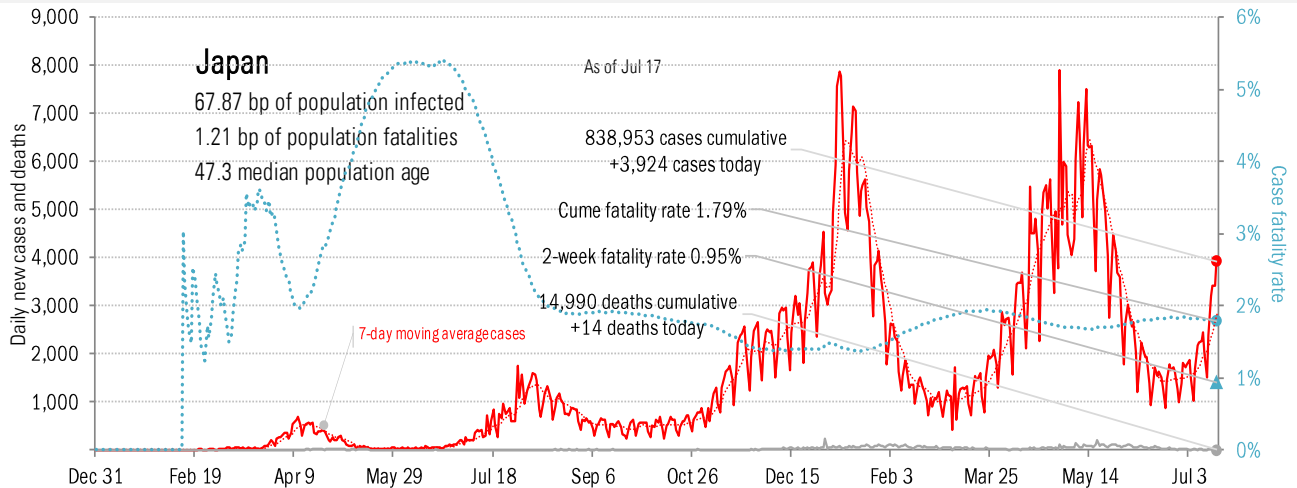
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



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

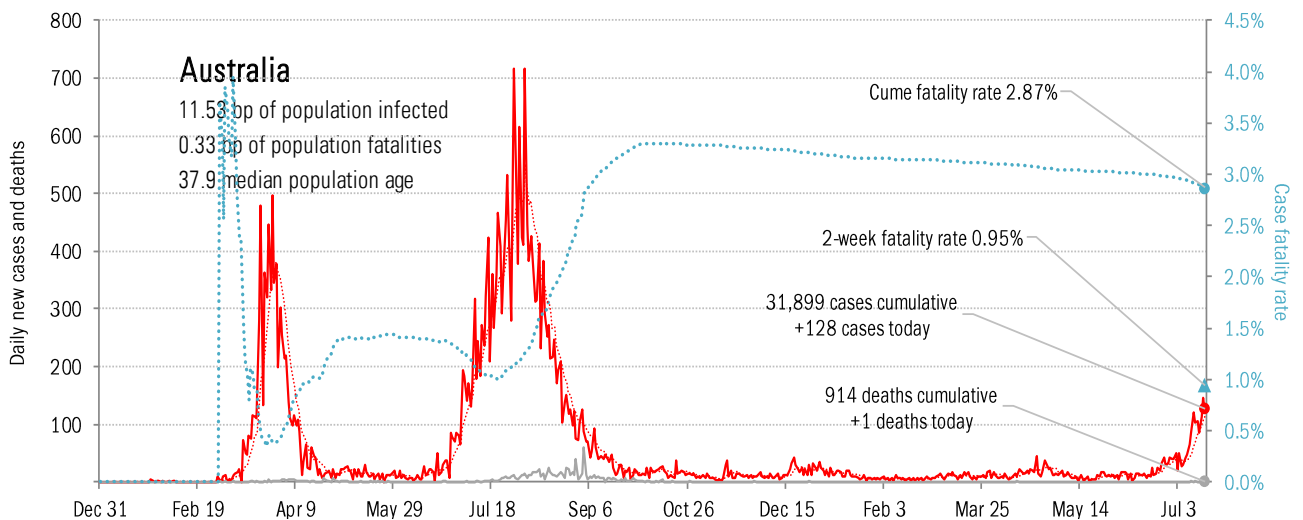
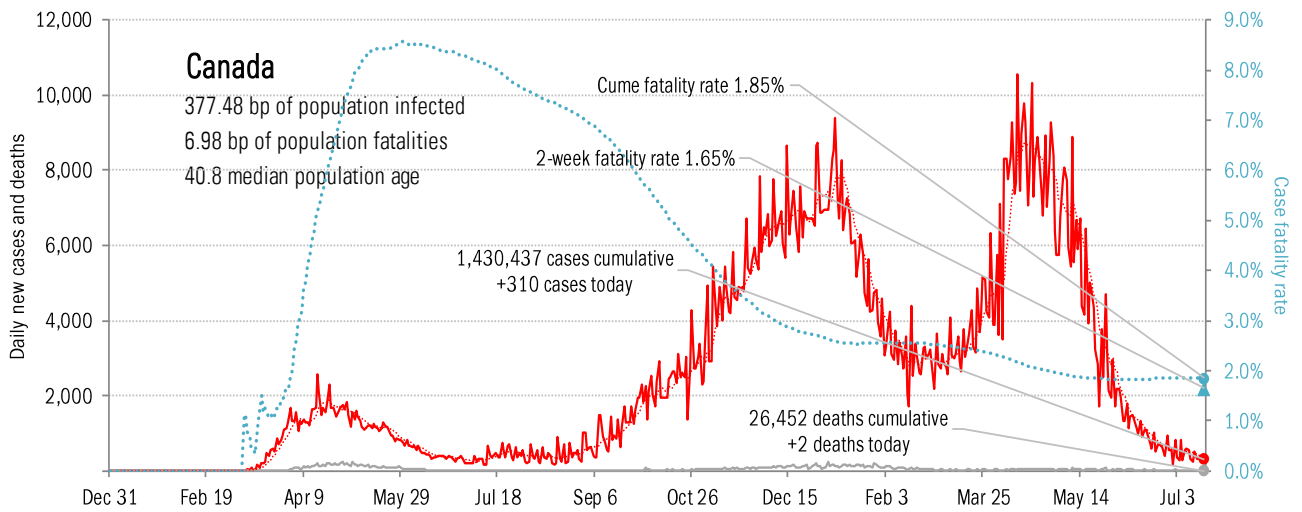
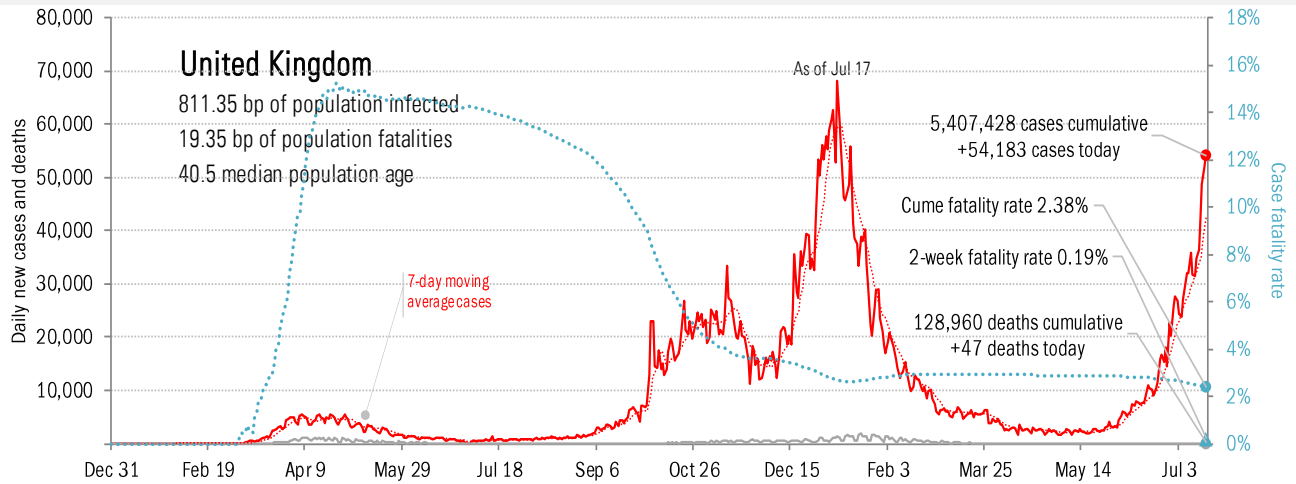
# Impact in the largest economies



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

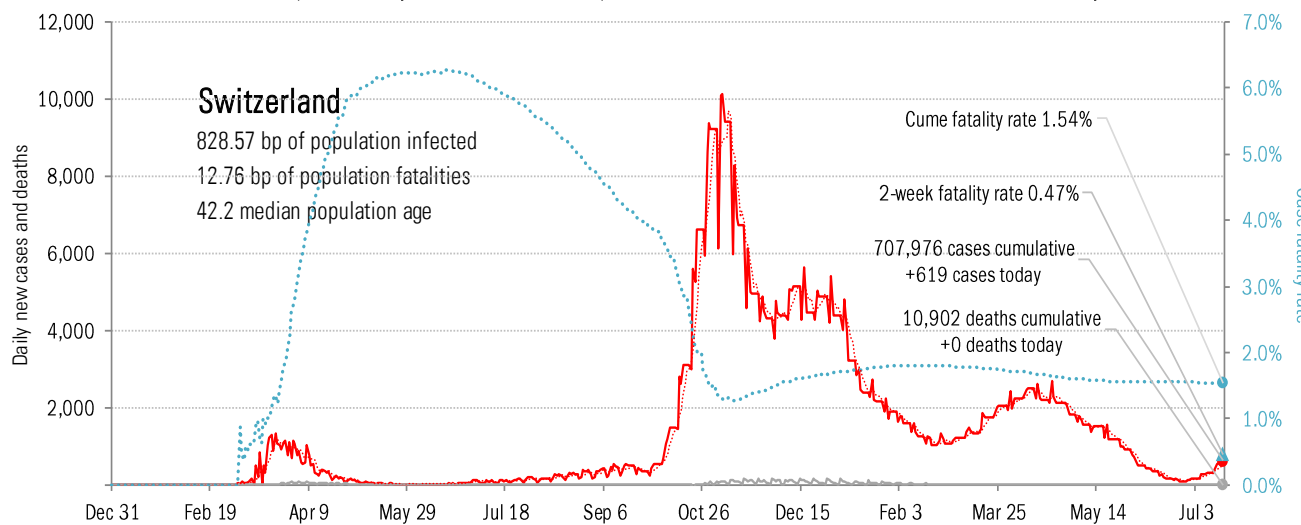
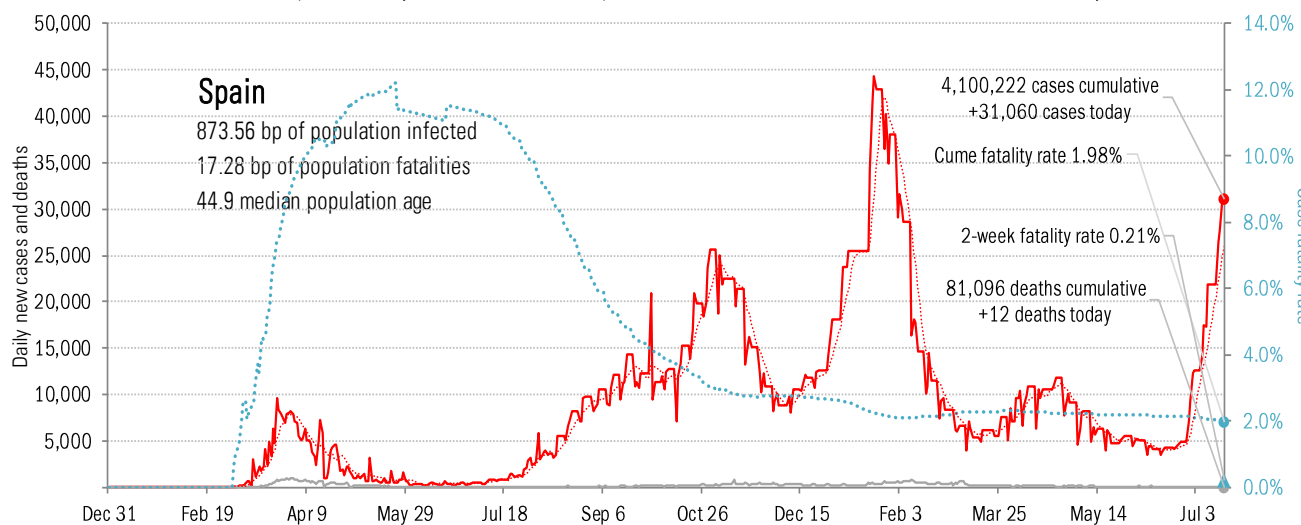
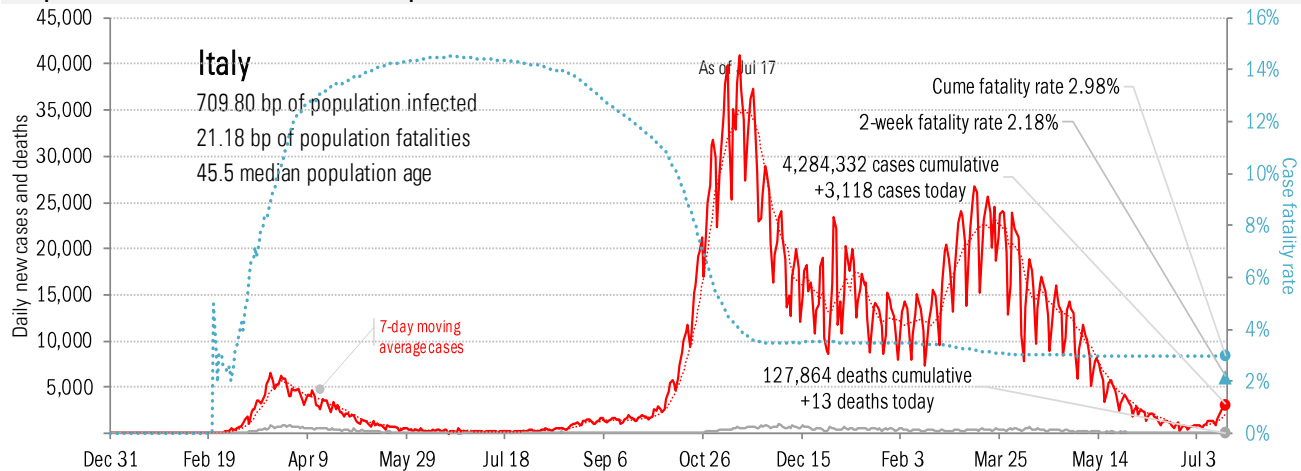


# Impact in The Anglosphere



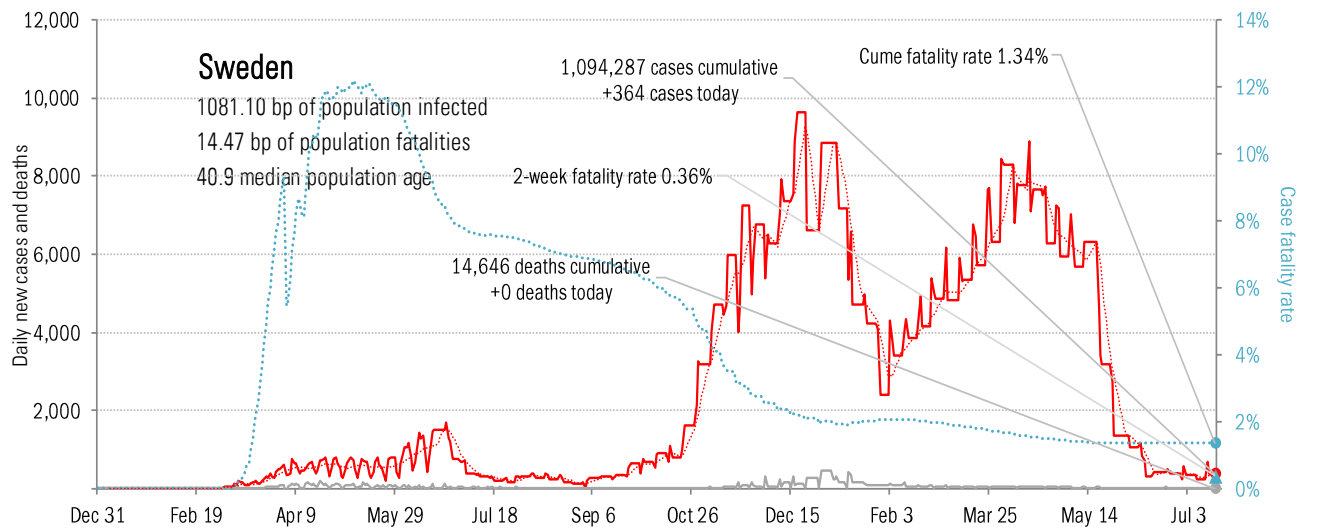
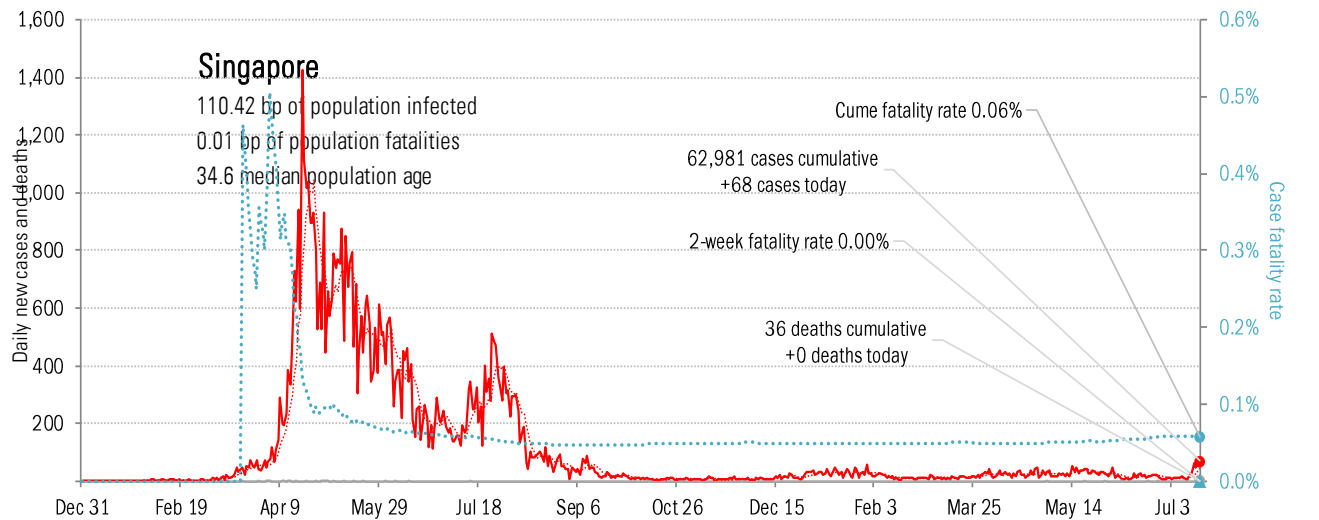
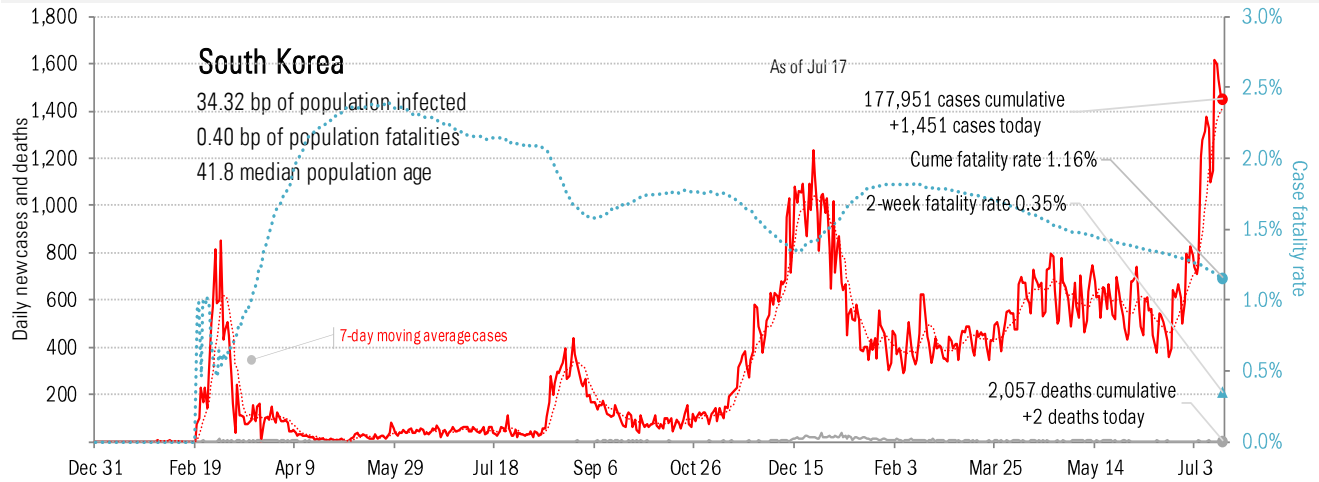
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe



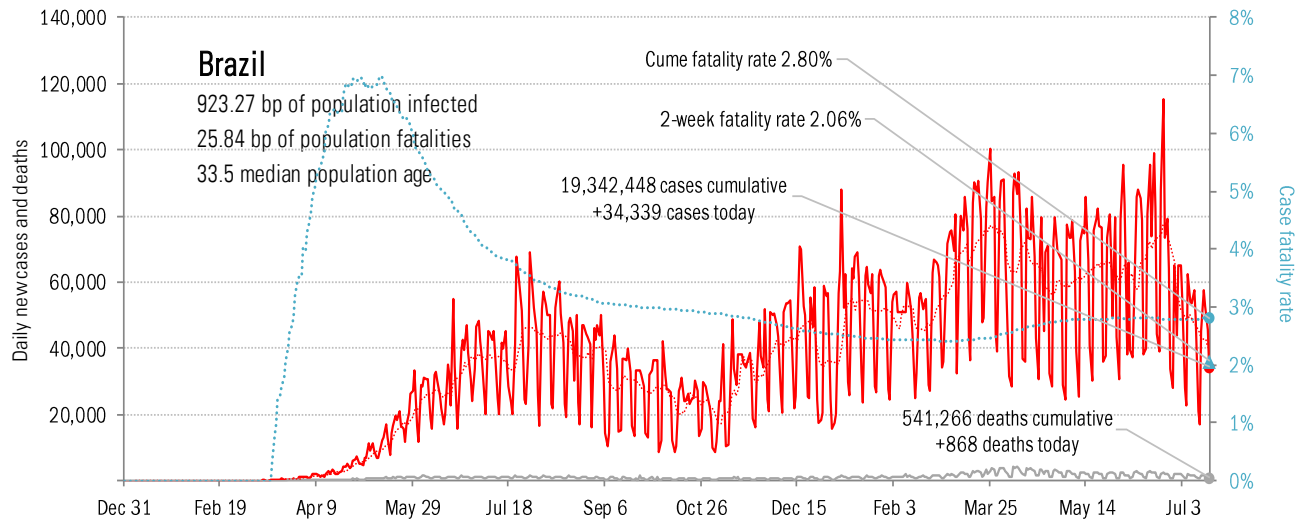
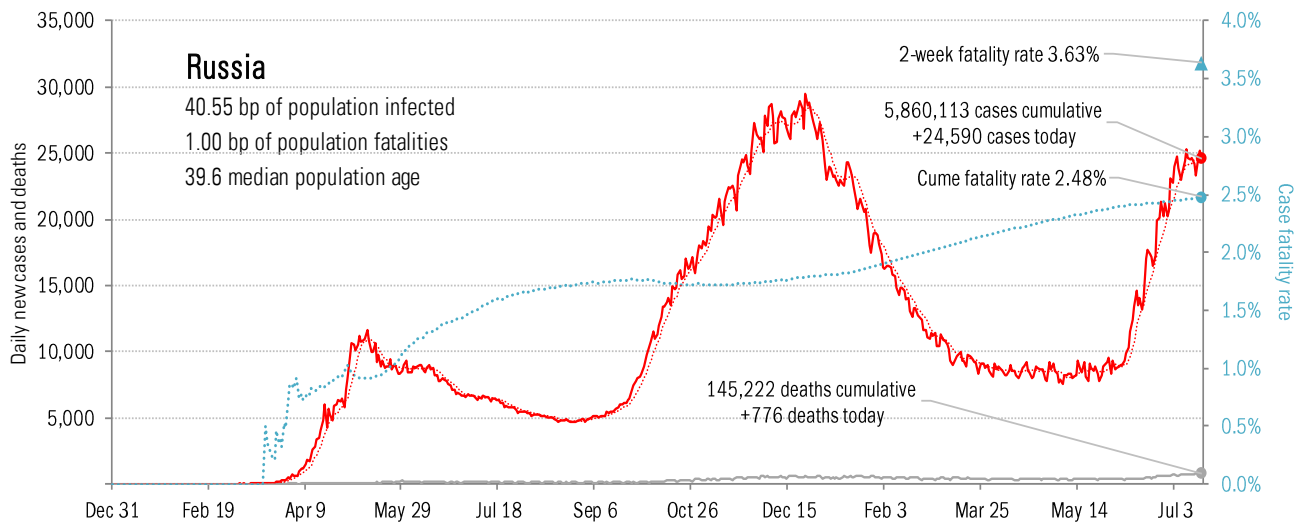
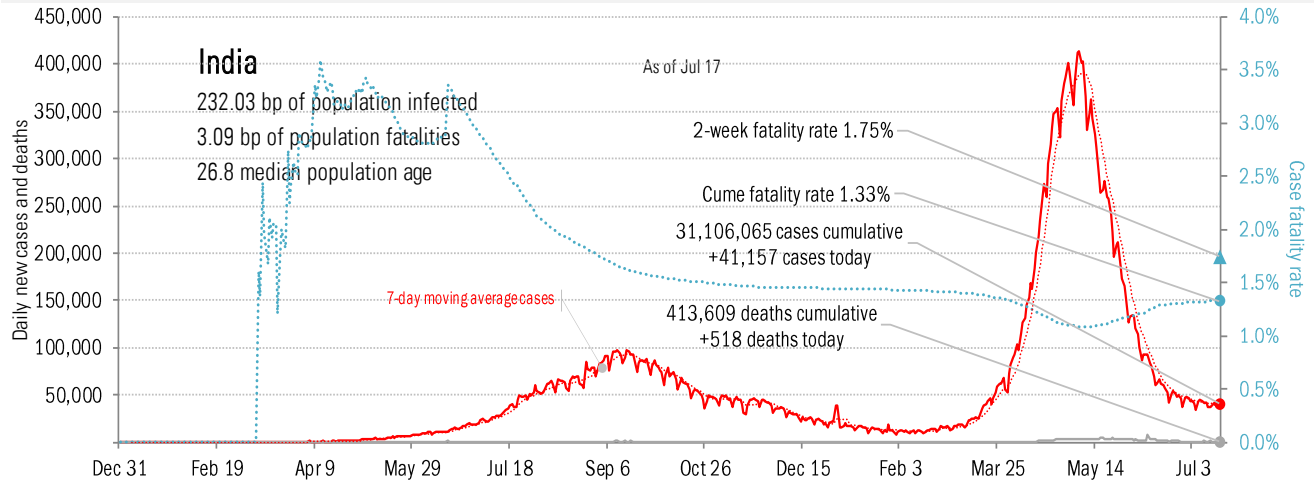
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



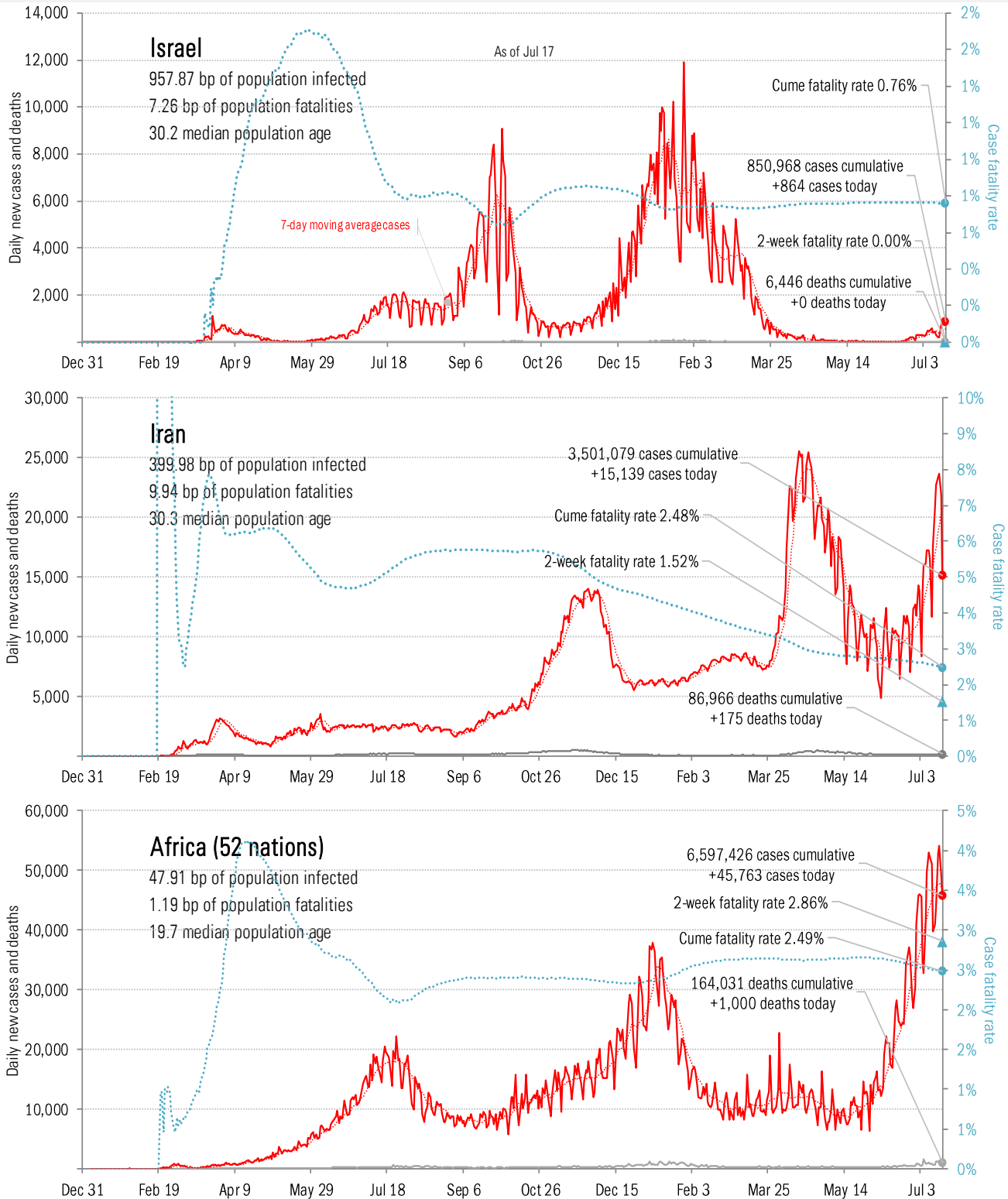
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



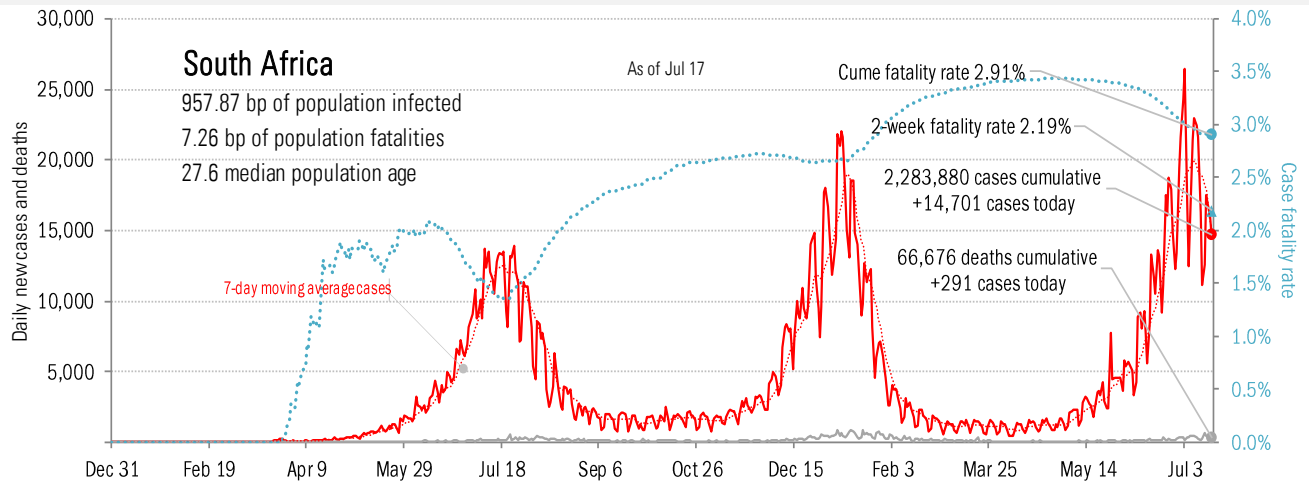
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

## Impact in Africa, continued



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