

## Data Insights: Covid-2019 Monitor

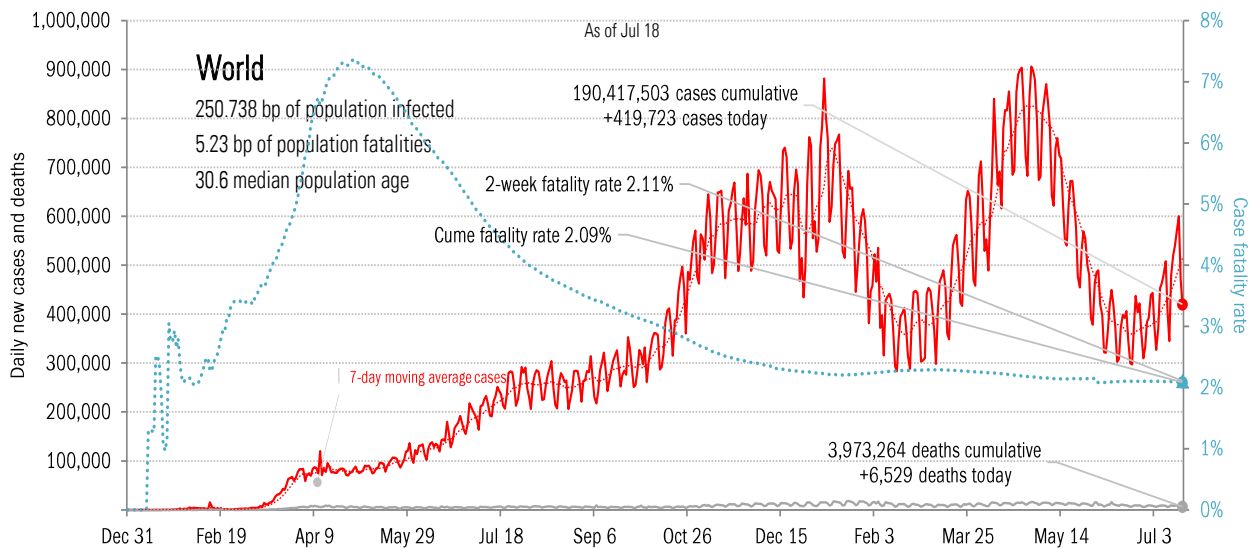
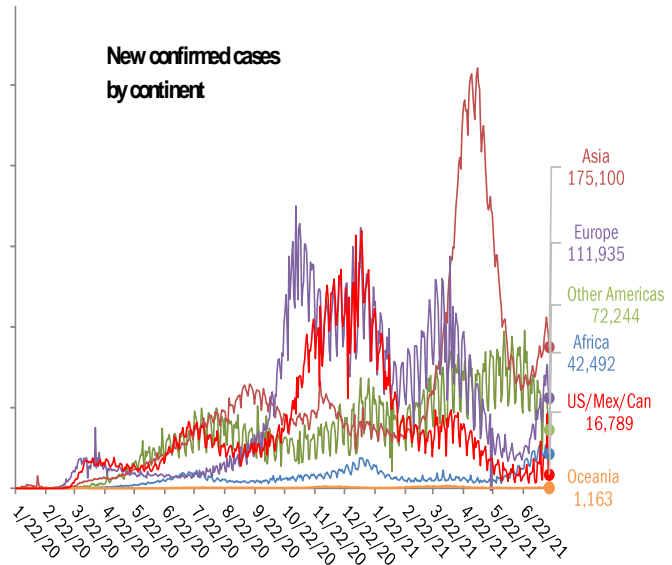
Monday, July 19, 2021

### The global scorecard

The worst ten countries

New cases		New Deaths	
United Kingdom	+47,848	Indonesia	+1,093
Indonesia	+44,721	Brazil	+948
India	+38,164	Russia	+753
Brazil	+34,126	India	+499
Russia	+24,480	Colombia	+476
Iran	+22,184	Burma	+231
Colombia	+18,206	Bangladesh	+225
France	+12,532	Iran	+195
United States	+12,048	South Africa	+183
Bangladesh	+11,578	Tunisia	+173
<b>+265,887</b>		<b>+4,776</b>	
World	+419,723	World	+6,529
Top ten	63%	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

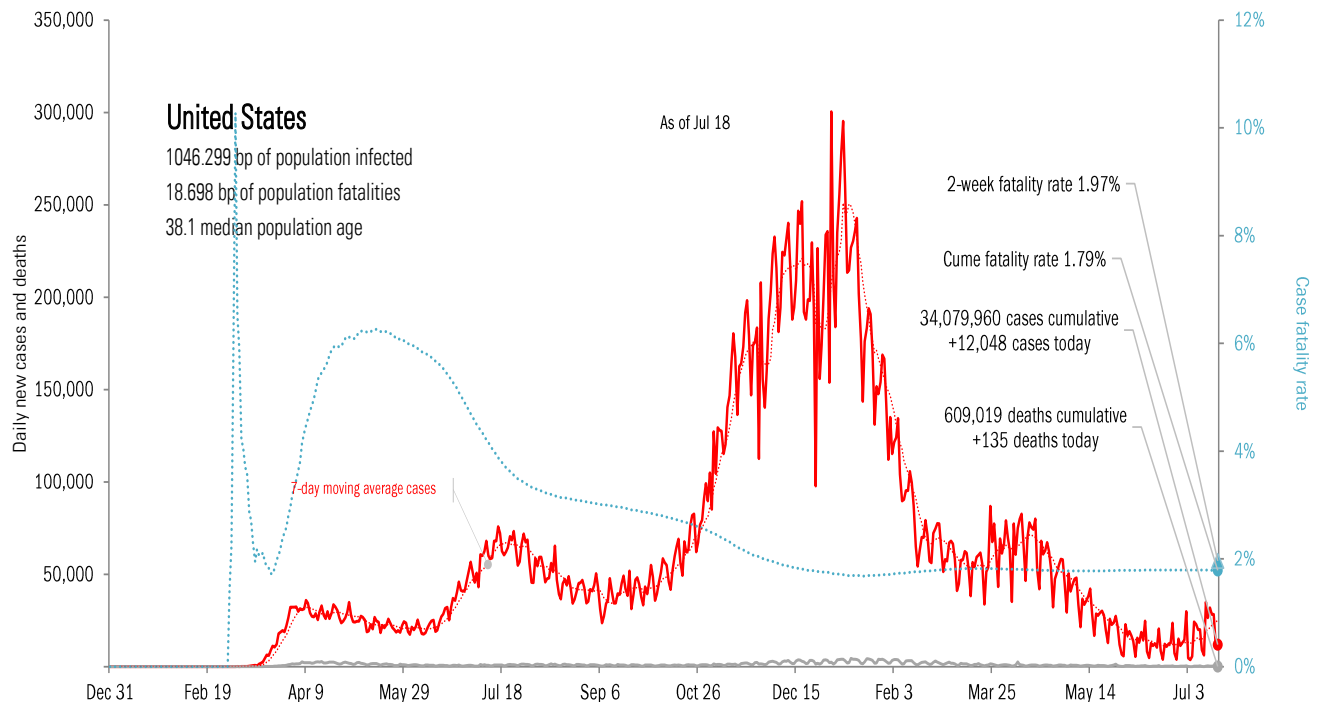
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+6,493		TN	+92		FL	+206		CA	3,860,499		CA	64,094		TX	260,020		RI	89%	MO	27%
AZ	+2,132		FL	+39		TX	+100		TX	3,041,410		NY	53,775		CA	244,496		MA	85%	AR	23%
CA	+2,108		AZ	+17		CA	+80		FL	2,435,520		TX	52,827		FL	196,191		MD	85%	NV	22%
TX	+1,746		TX	+11		GA	+55		NY	2,126,680		FL	38,279		NY	137,570		MO	84%	UT	20%
MO	+1,365		NY	+10		LA	+48		IL	1,399,946		PA	27,792		GA	111,387		PA	82%	WY	17%
NY	+1,145		NJ	+3		AL	+43		PA	1,220,653		NJ	26,539		PA	92,342		FL	81%	MS	15%
TN	+740		PA	+2		AZ	+33		GA	1,145,976		IL	25,790		CH	88,864		CT	81%	FL	14%
AL	+724		CA	+1		NY	+28		CH	1,117,109		GA	21,558		IL	83,639		NV	81%	TX	13%
CO	+460		CO	+1		NV	+24		NJ	1,028,931		MI	21,109		KY	80,000		DC	81%	OK	13%
NJ	+428		MD	+1		UT	+23		NC	1,022,876		CH	20,437		MI	73,744		MN	80%	ID	13%
+17,341			+177			+640			18,399,600			352,200			1,368,253						
All states	+18,541		+174			+611			All states	34,079,960		609,019			2,437,679			All states	70%	67%	
Top ten	94%		102%			105%			Top ten	54%		58%			56%			Median	73%	5%	

Some states not reporting

## Five most improved US states

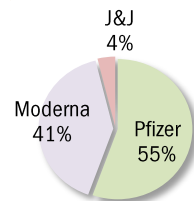
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-1,116	TX	-13	KY	-364	AK	+10 bp
MO	-1,030	CO	-9	AR	-57	AL	+10 bp
TX	-788	CA	-6	CH	-44	AR	+10 bp
NY	-222	MO	-5	MO	-33	AZ	+10 bp
CH	-185	ME	-4	MS	-24	CA	+10 bp



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	402,006,245				+0.000 million	US	48.2%	55.6%
Doses administered	347,631,548				+0.513 million	UK	53.0%	68.2%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	40.1%	54.4%
Total population	190,798,577	57%	165,492,513	50%	+0.243 million	Spain	50.0%	62.1%
Age 12 to 17	9,761,381	39%	7,665,625	30%	+0.048 million	Germany	45.6%	59.2%
Age 18 to 64	130,463,489	64%	112,709,940	55%	+0.169 million	Italy	43.5%	60.4%
Age 65 and over	50,349,031	92%	44,987,761	82%	+0.026 million	Australia	11.0%	28.5%



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 **263 days** by Apr 8, 2022

61.1% of population >18 immunized  
11.6% previously tested positive  
**72.7%** 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%
74.9%	63.8%
66.9%	57.6%

AK
61.7%
50.9%
45.0%

<b>WA</b> 66.1% 62.9% 56.6%	<b>ID</b> 50.9% 40.4% 36.9%	<b>MT</b> 55.9% 48.6% 43.8%	<b>ND</b> 50.1% 44.7% 39.7%	<b>MN</b> 61.8% 57.9% 53.1%	<b>IL</b> 62.4% 61.0% 47.7%	<b>MI</b> 62.3% 52.3% 48.2%	<b>NY</b> 66.2% 61.7% 56.0%	<b>MA</b> 74.8% 71.6% 63.1%		
<b>OR</b> 71.3% 59.8% 55.2%	<b>NV</b> 54.7% 51.8% 43.4%	<b>WY</b> 48.0% 40.7% 36.0%	<b>SD</b> 58.5% 51.5% 46.3%	<b>IA</b> 58.7% 52.3% 49.0%	<b>IN</b> 53.8% 46.2% 43.5%	<b>OH</b> 56.6% 49.0% 45.9%	<b>PA</b> 66.5% 64.2% 51.2%	<b>NJ</b> 69.7% 64.5% 57.0%	<b>CT</b> 70.9% 68.5% 62.3%	<b>RI</b> 75.3% 65.9% 60.5%
<b>CA</b> 66.5% 63.3% 51.7%	<b>UT</b> 54.1% 50.7% 43.8%	<b>CO</b> 64.9% 59.2% 53.5%	<b>NE</b> 57.7% 52.6% 48.7%	<b>MO</b> 53.7% 46.8% 40.3%	<b>KY</b> 54.0% 50.7% 44.8%	<b>WV</b> 56.8% 45.8% 38.8%	<b>VA</b> 65.1% 60.5% 53.5%	<b>MD</b> 75.0% 63.4% 57.8%	<b>DE</b> 70.5% 59.5% 51.7%	
<b>AZ</b> 60.1% 51.8% 44.5%	<b>NM</b> 60.7% 64.2% 56.2%	<b>KS</b> 57.0% 50.4% 43.0%	<b>AR</b> 51.0% 44.0% 35.4%	<b>TN</b> 50.2% 43.4% 38.4%	<b>NC</b> 59.8% 49.8% 43.0%	<b>SC</b> 55.5% 45.4% 39.9%	<b>DC</b> 80.2% 62.9% 54.0%			
<b>HI</b> 72.1% 70.7% 53.0%	<b>OK</b> 54.3% 46.2% 39.5%	<b>LA</b> 47.2% 39.7% 36.1%	<b>MS</b> 48.4% 37.7% 33.8%	<b>AL</b> 53.0% 41.2% 33.7%	<b>GA</b> 56.5% 44.4% 37.5%	<b>FL</b> 63.1% 55.5% 47.7%	<b>PR</b> 69.4% 67.6% 58.6%			

As of Jul 19

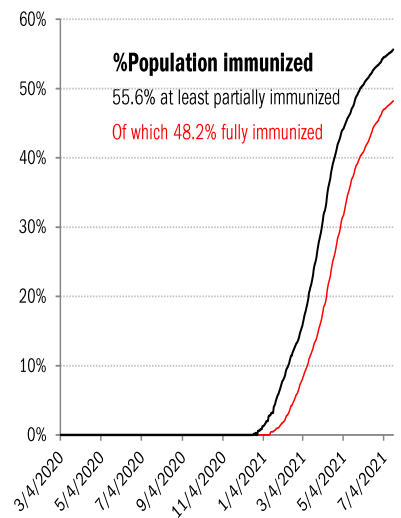
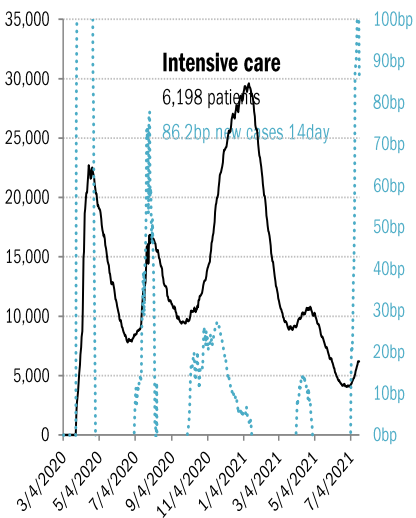
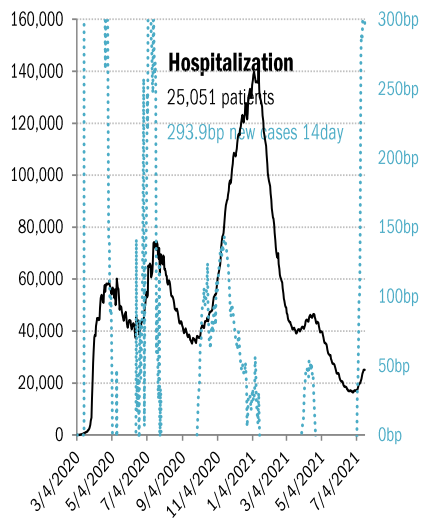
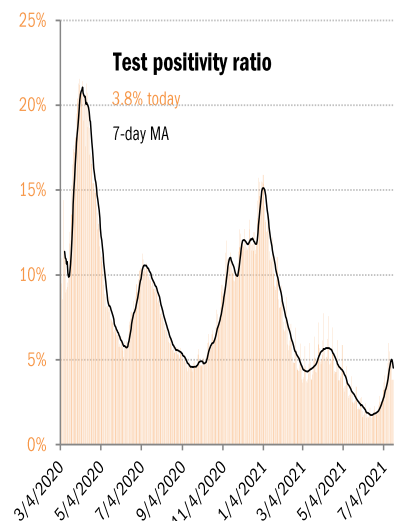
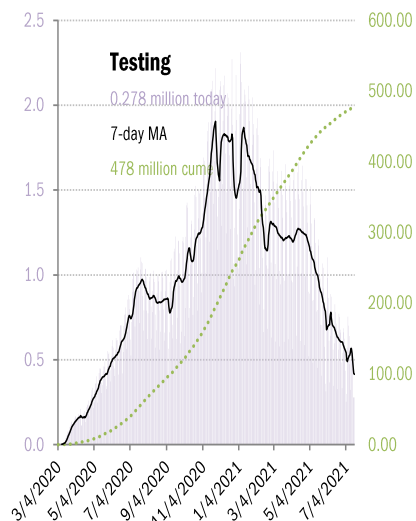
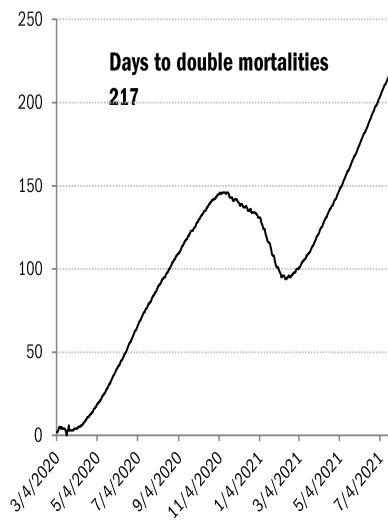
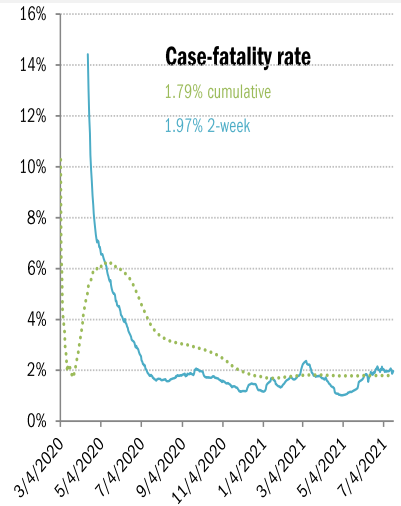
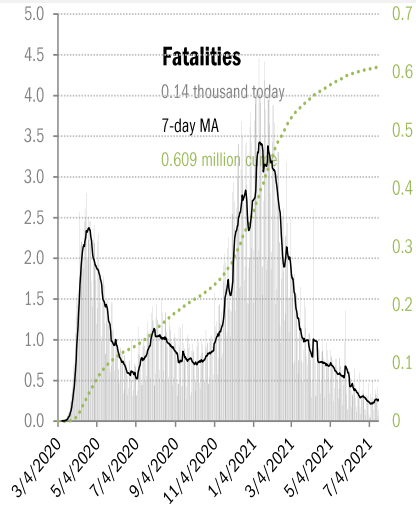
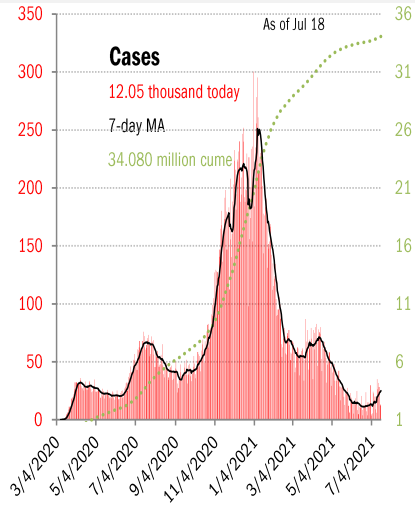
\* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

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

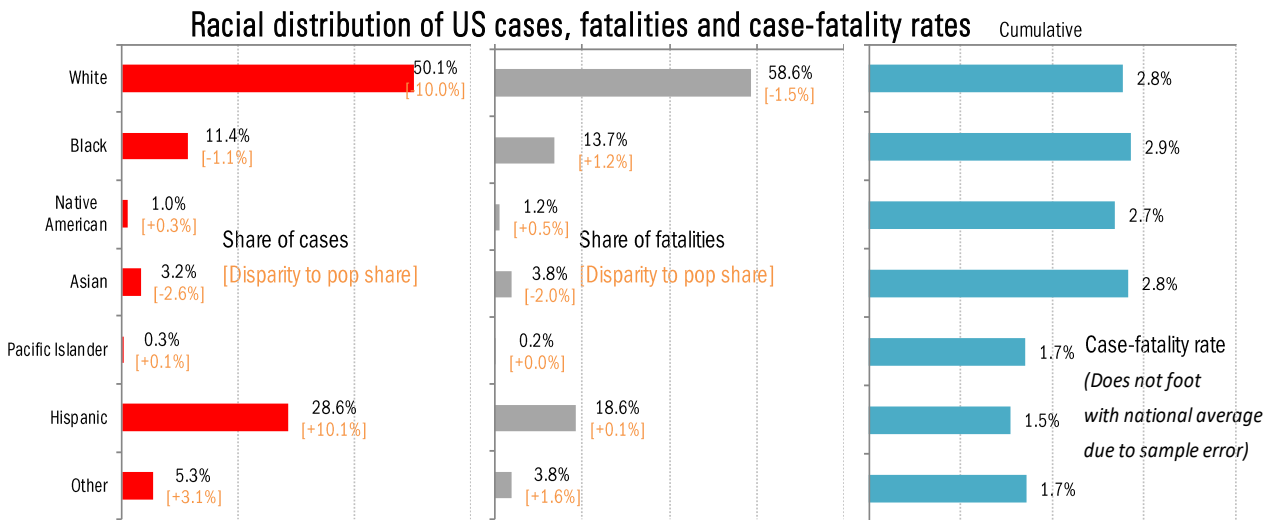
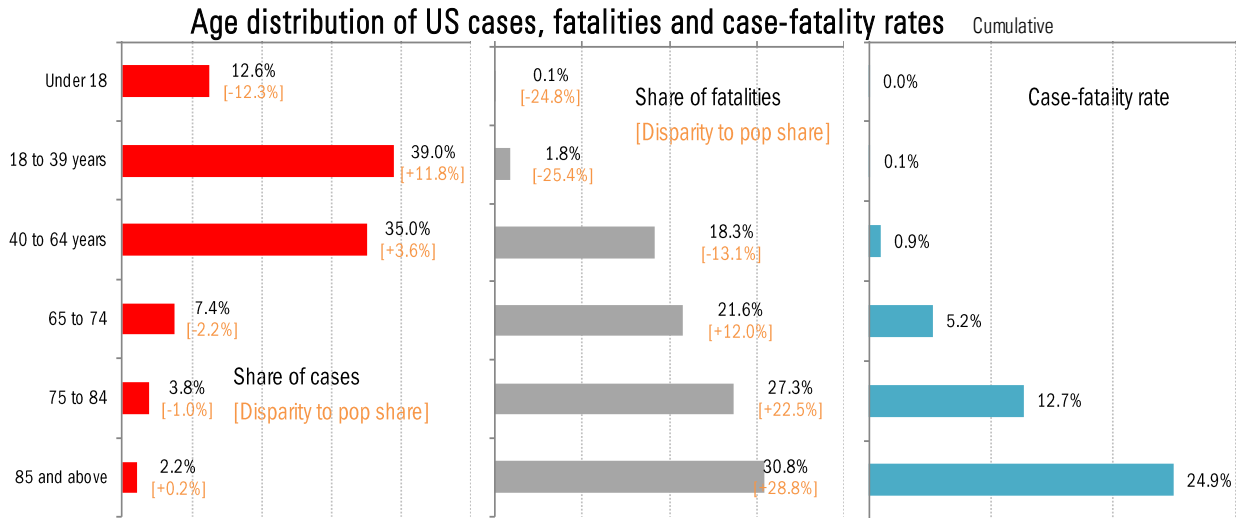
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

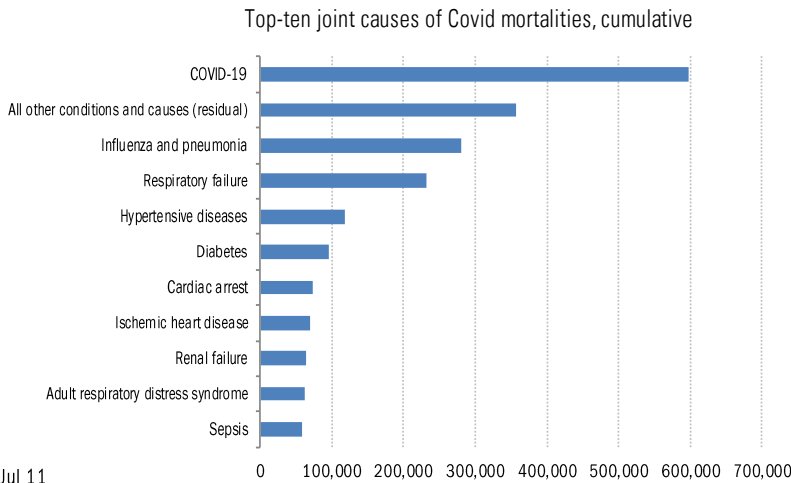
National and state-by-state data do not line up because of different sources



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



### Comorbidities



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

[U.K. Set for Big Reopening as Cases Soar Most in the World](#)

Kitty Donaldson and Tim Ross

*Bloomberg*

July 18, 2021

## Meme of the day

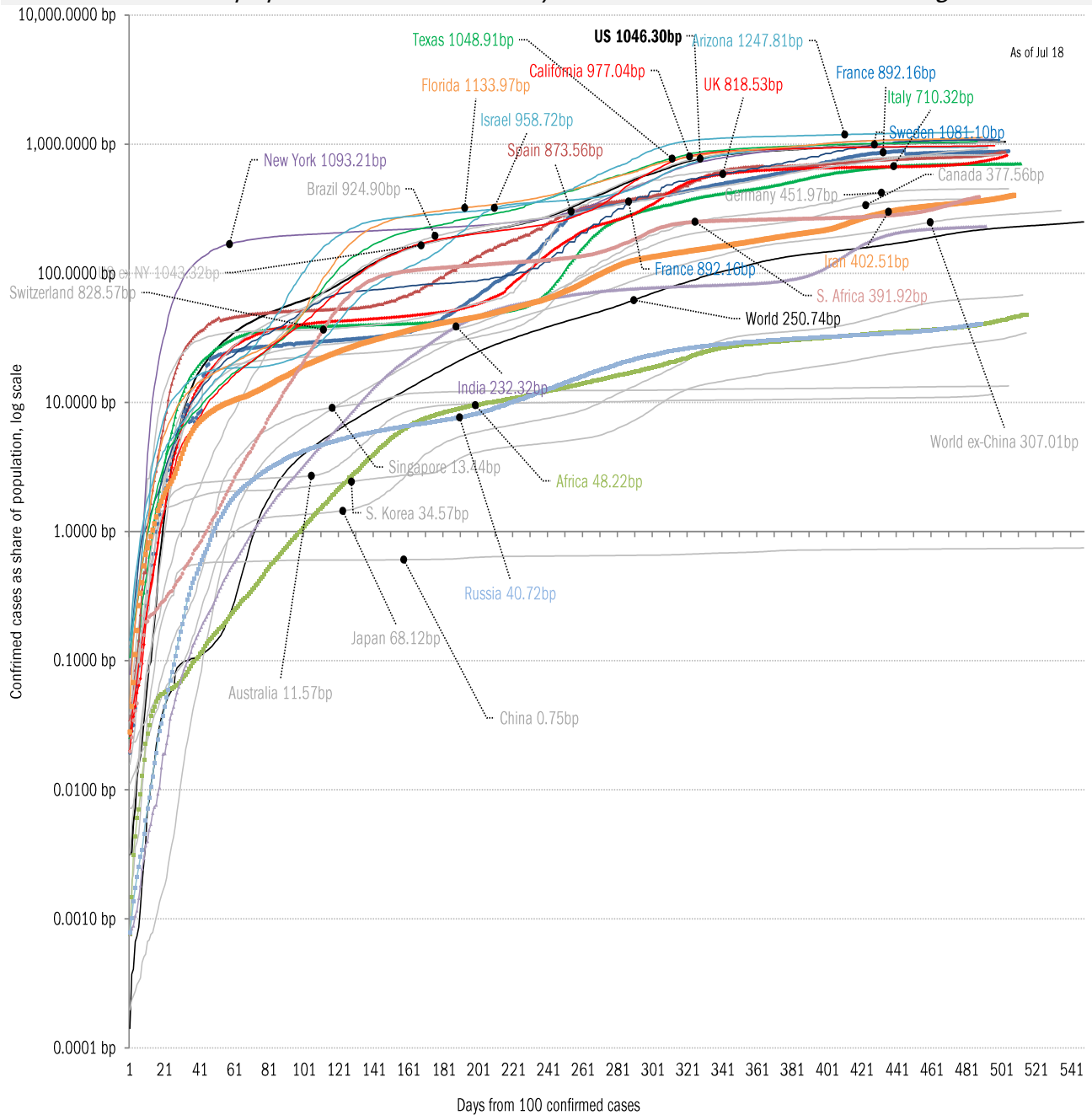
# ACTUAL FOOTAGE



# OF ME GETTING THE VACCINE

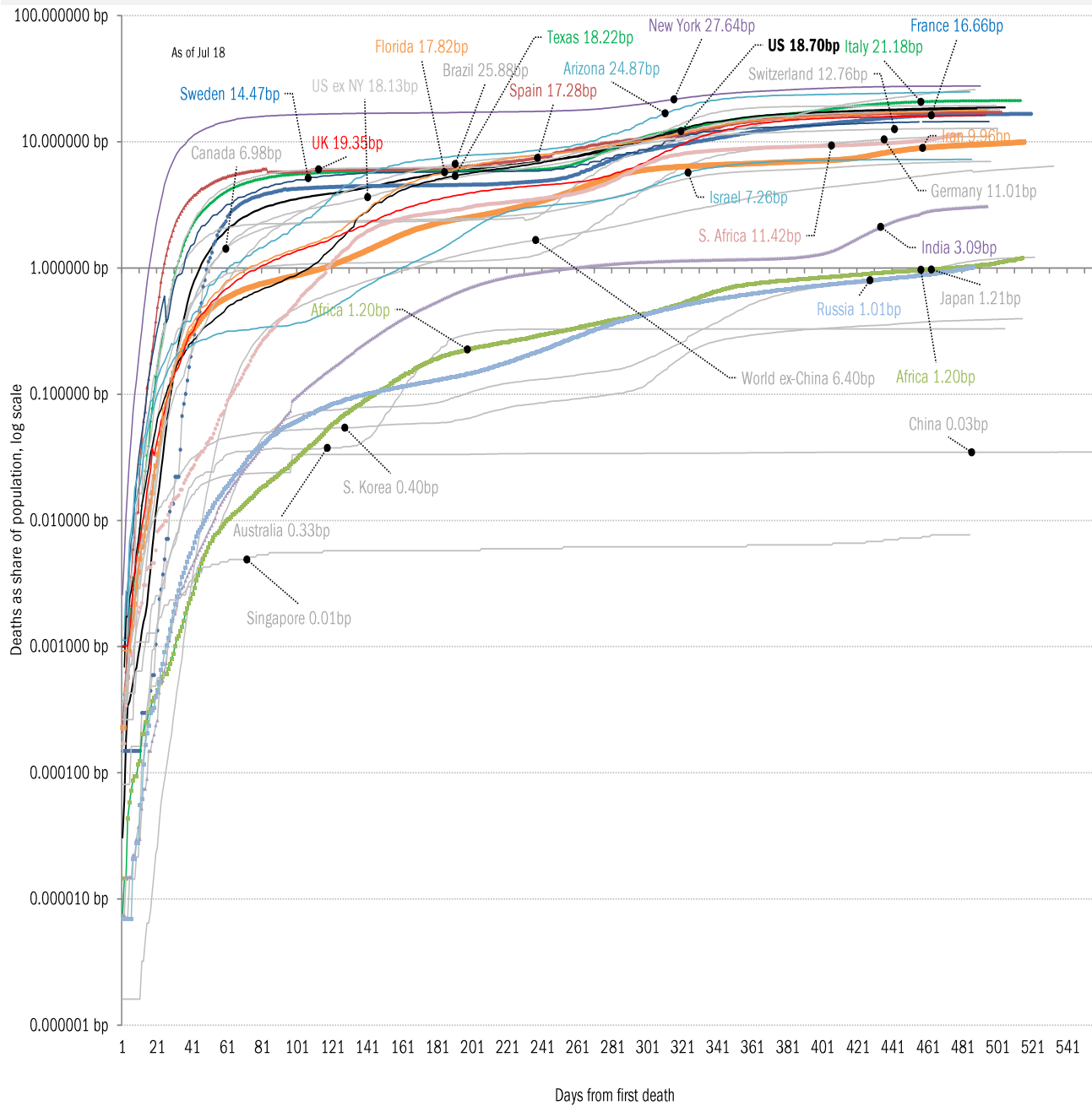
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



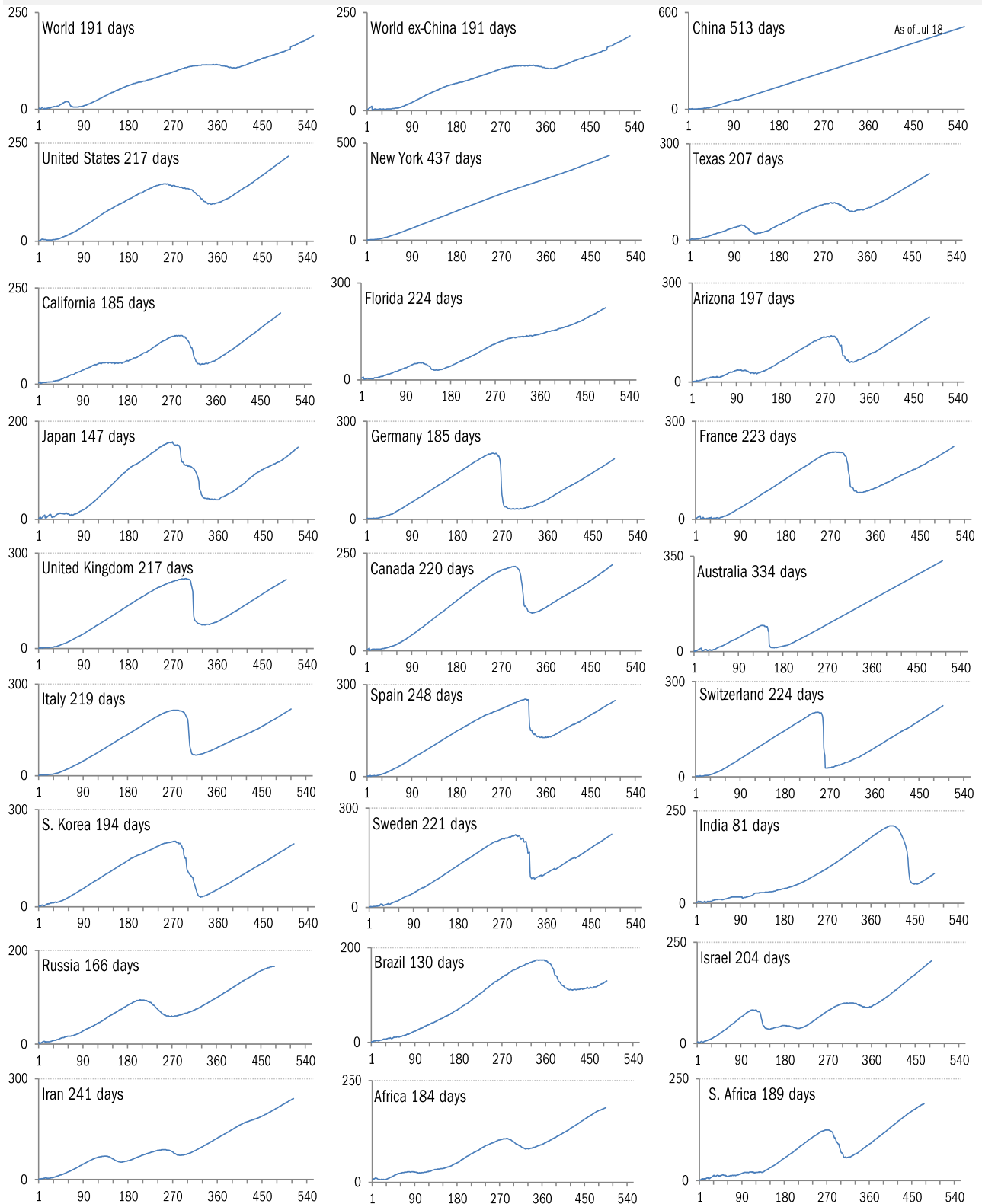
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

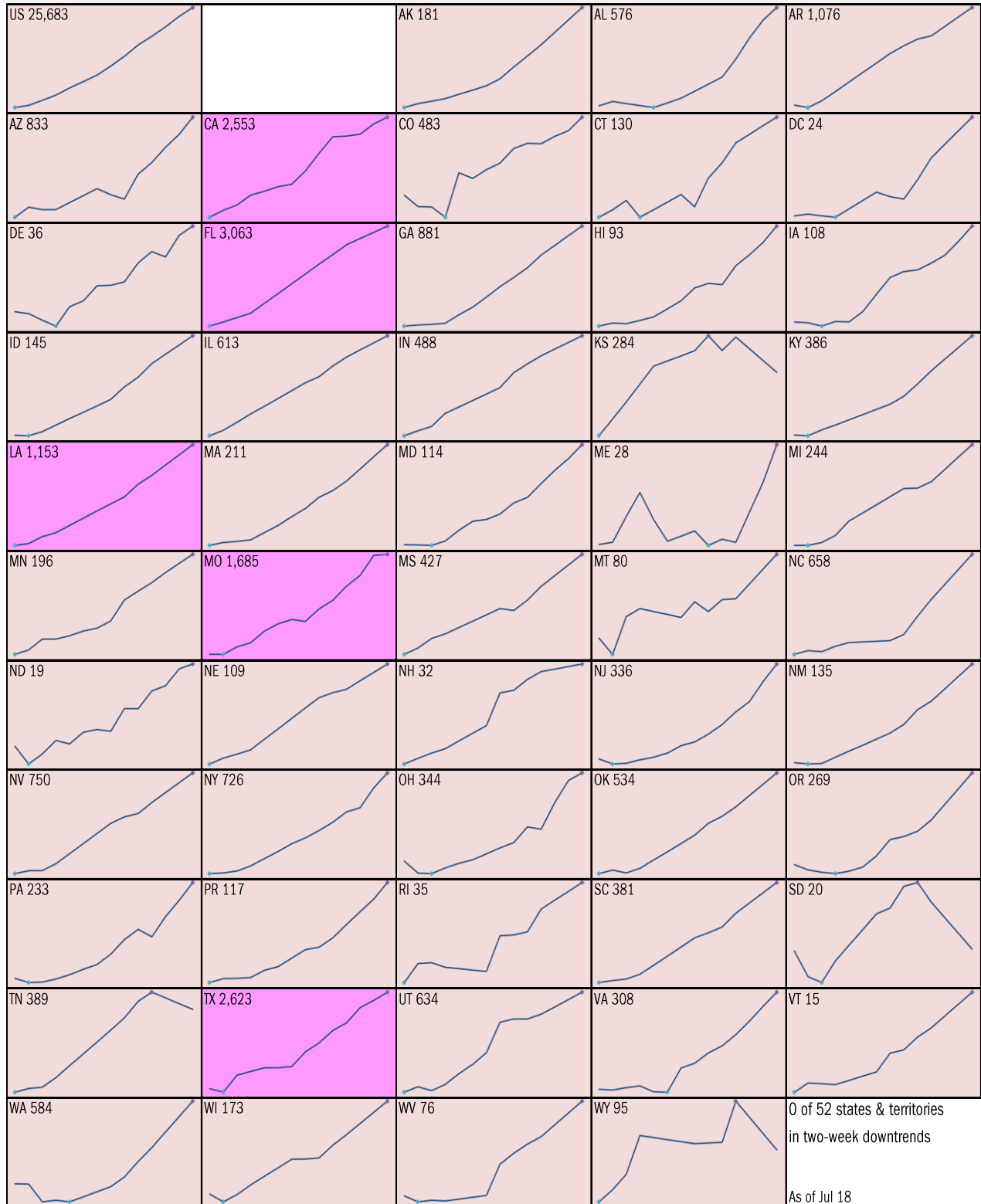


Source: [Johns Hopkins](#), TrendMacro calculations

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

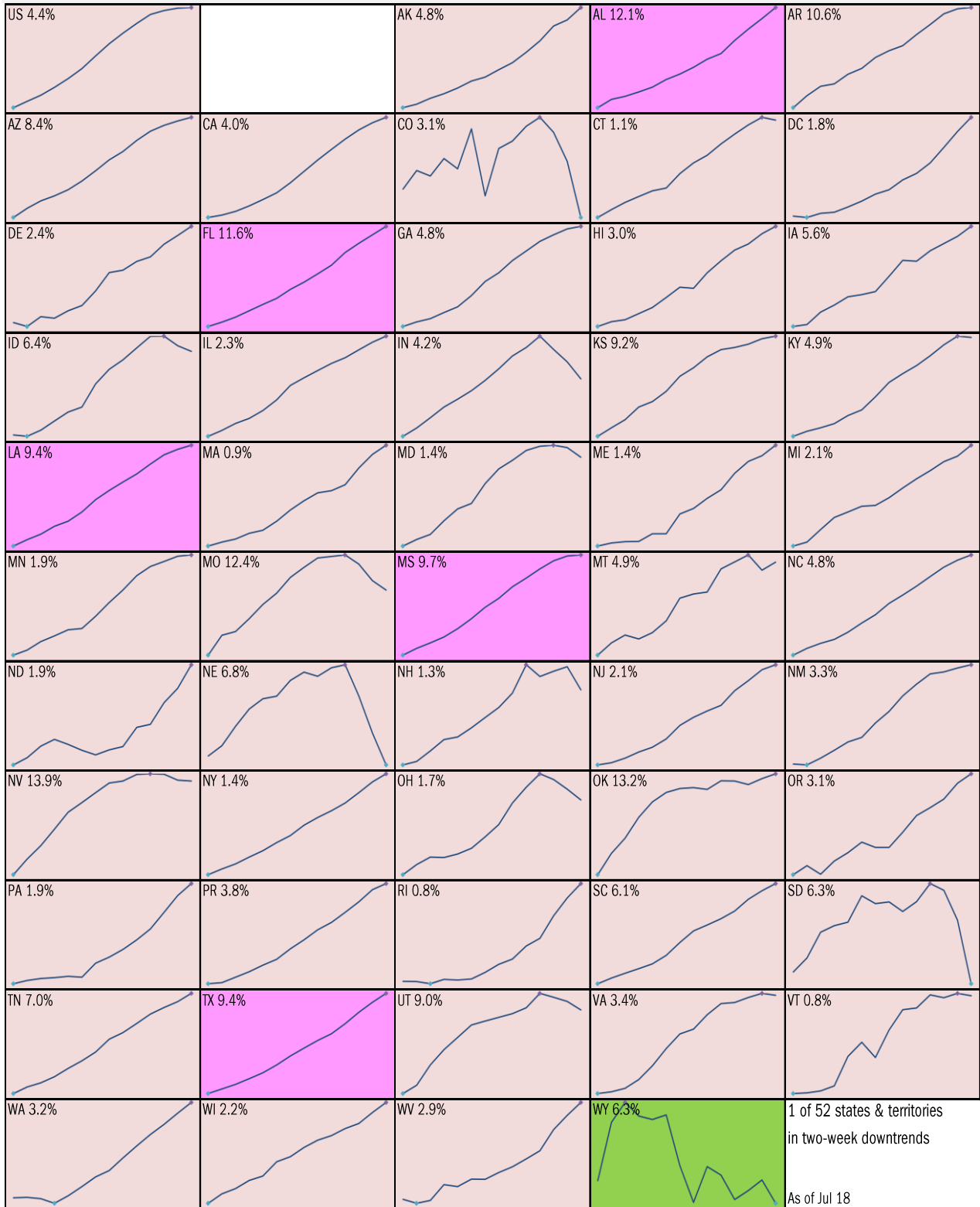


Source: [Johns Hopkins](#), TrendMacro calculations

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

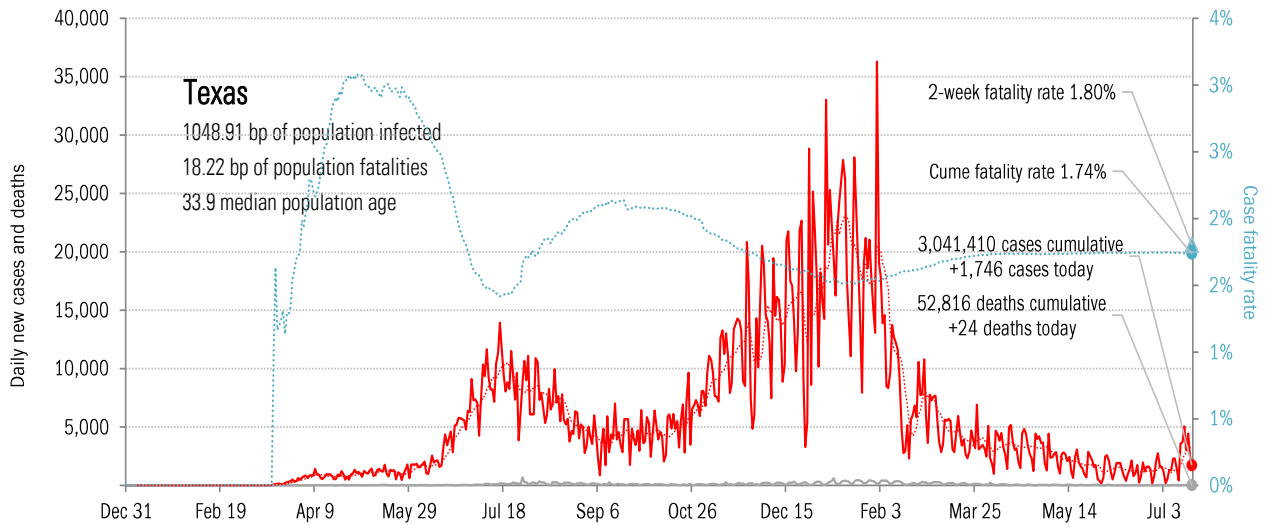
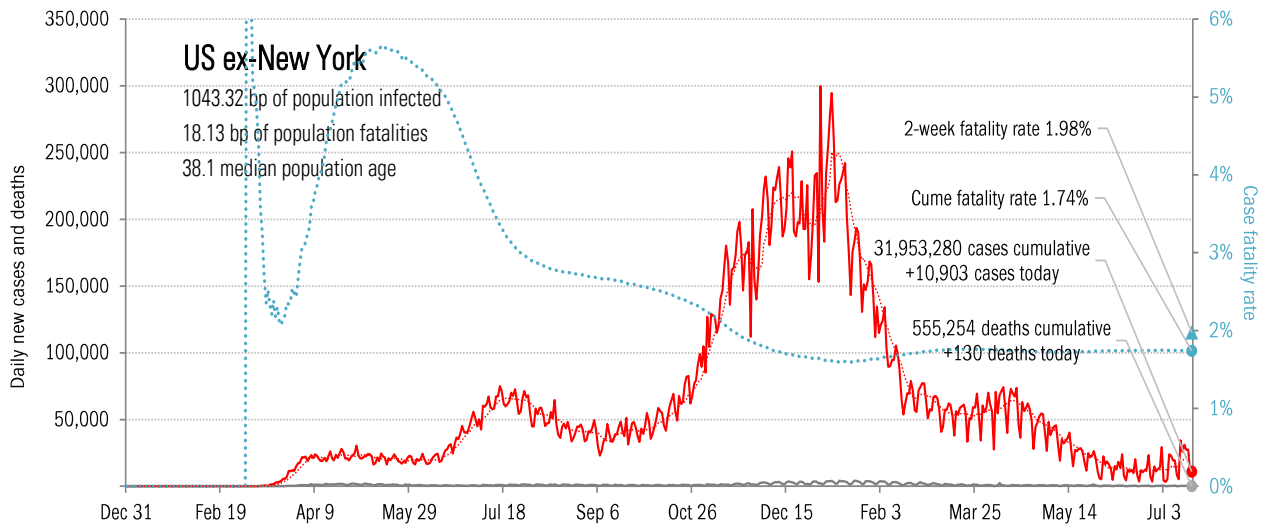
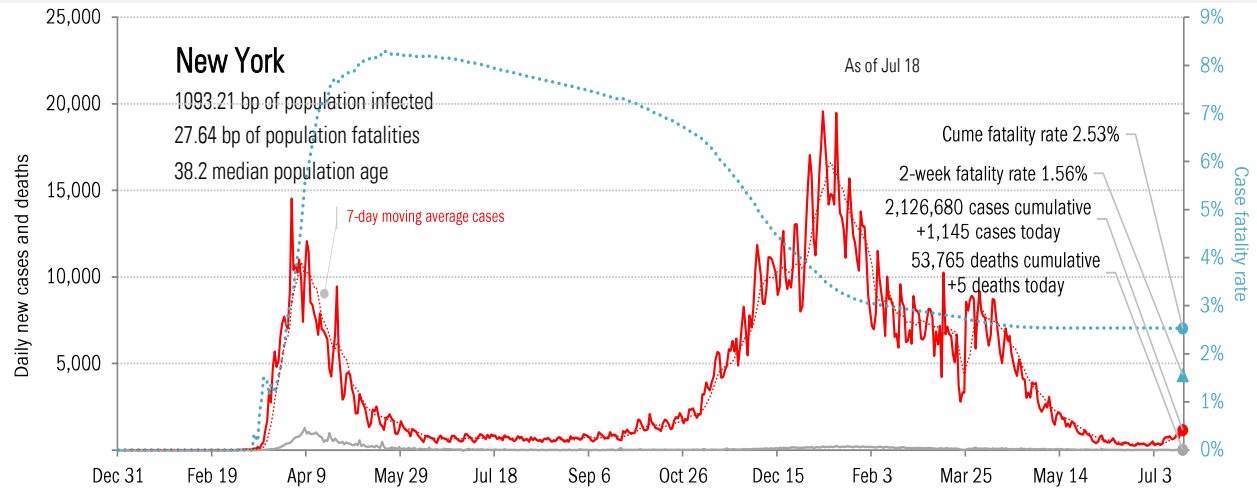
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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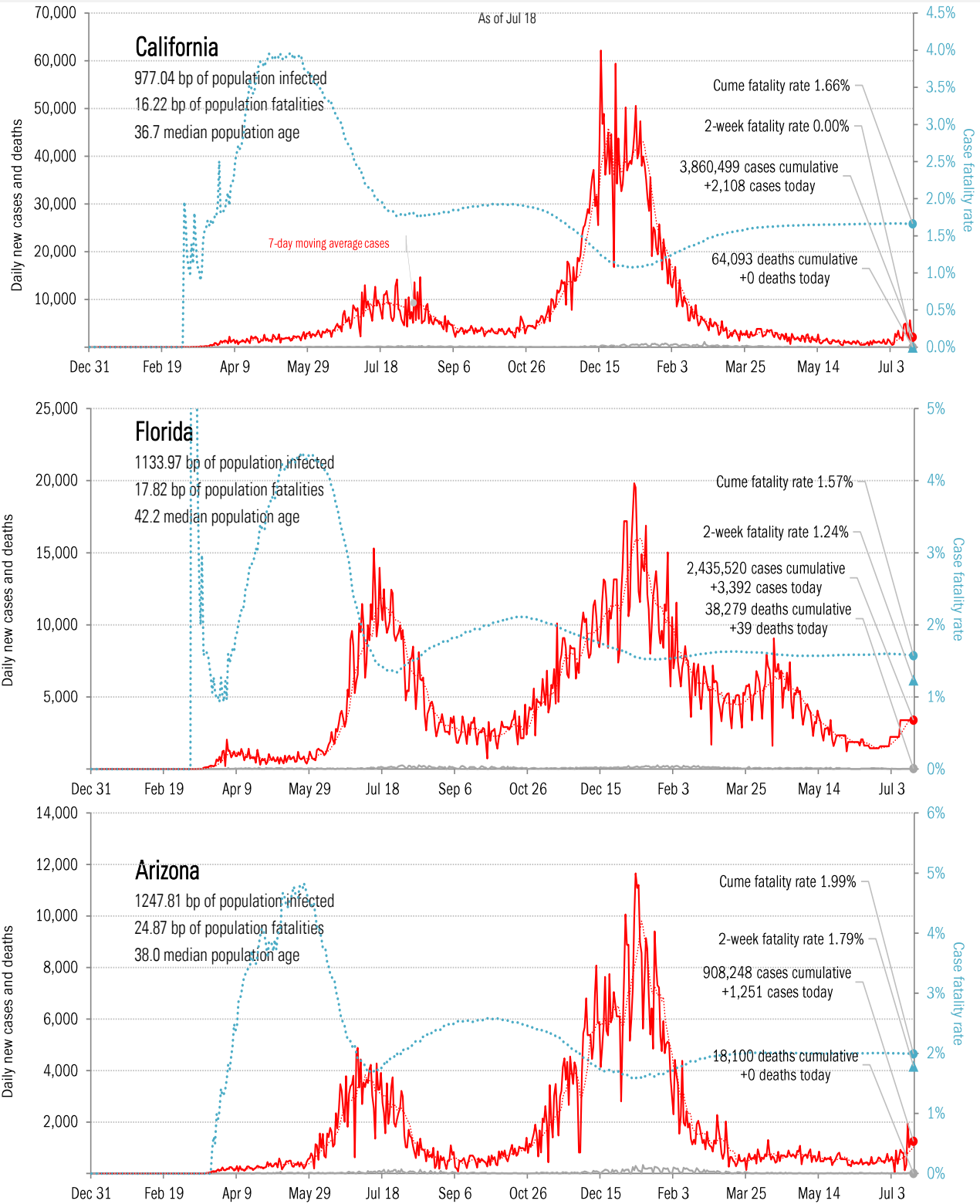
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



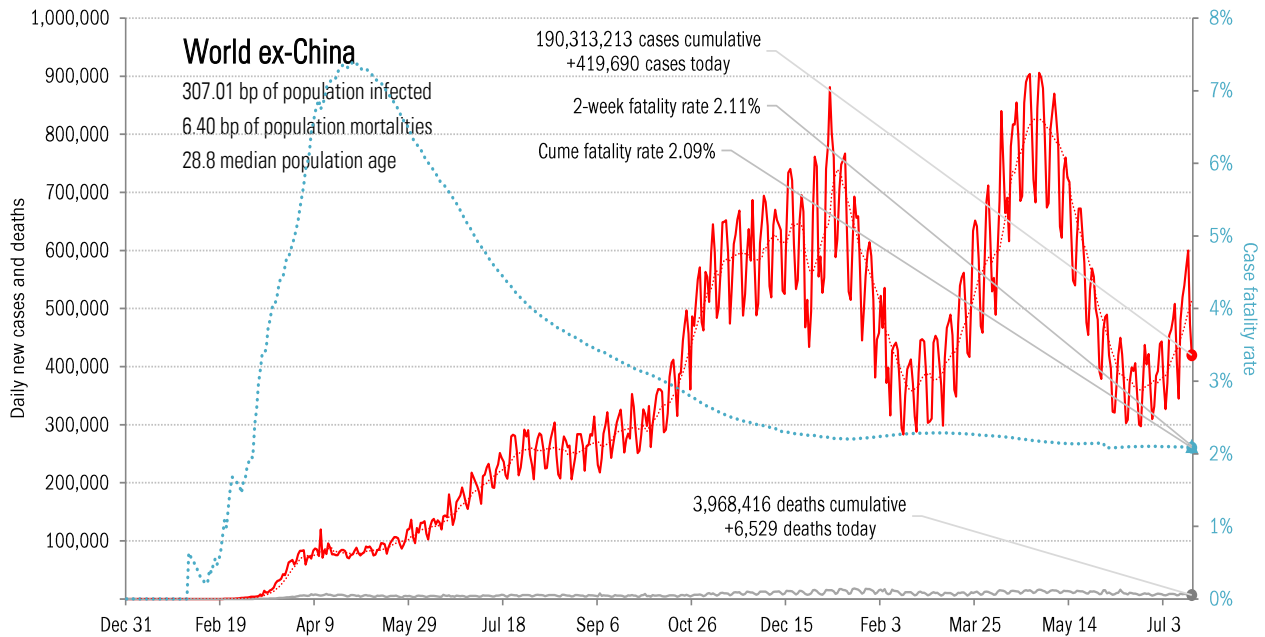
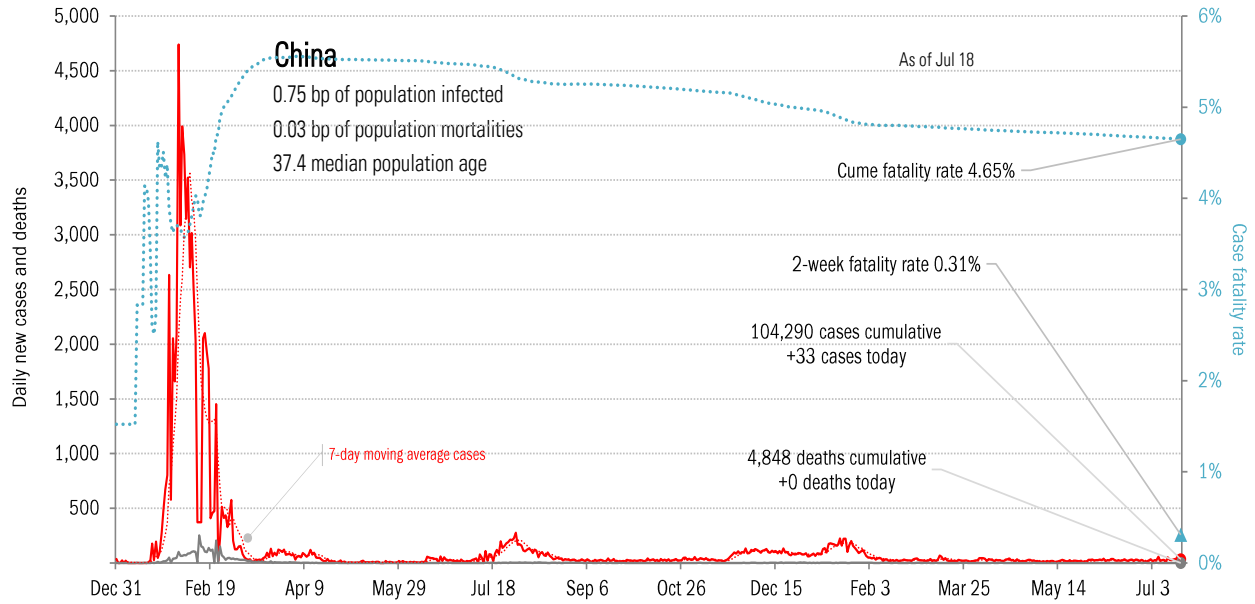
Source: [Johns Hopkins](#), TrendMacro calculations

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



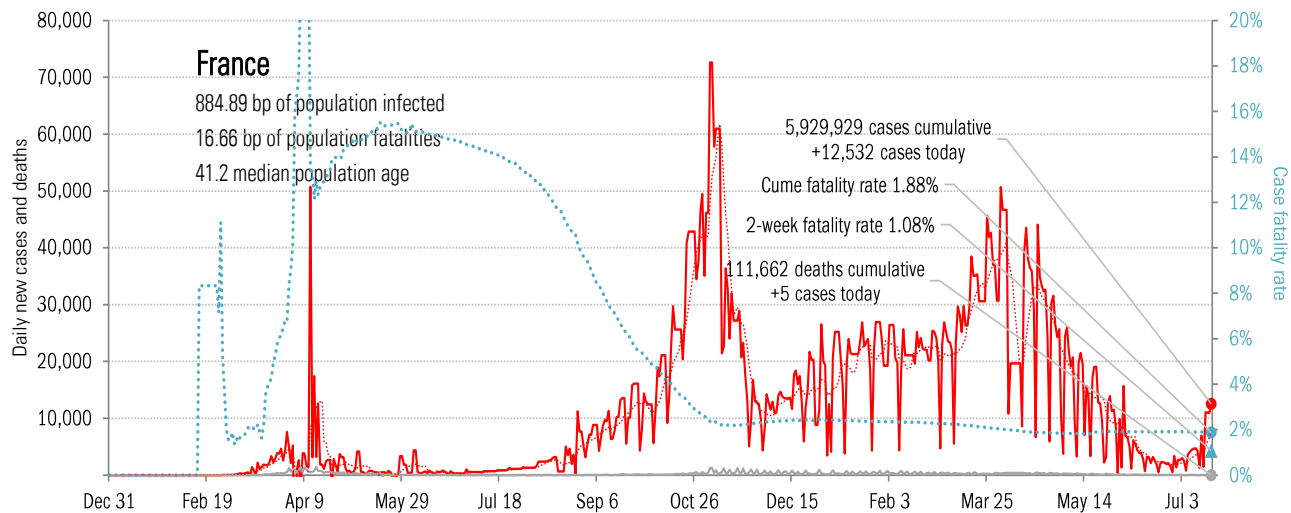
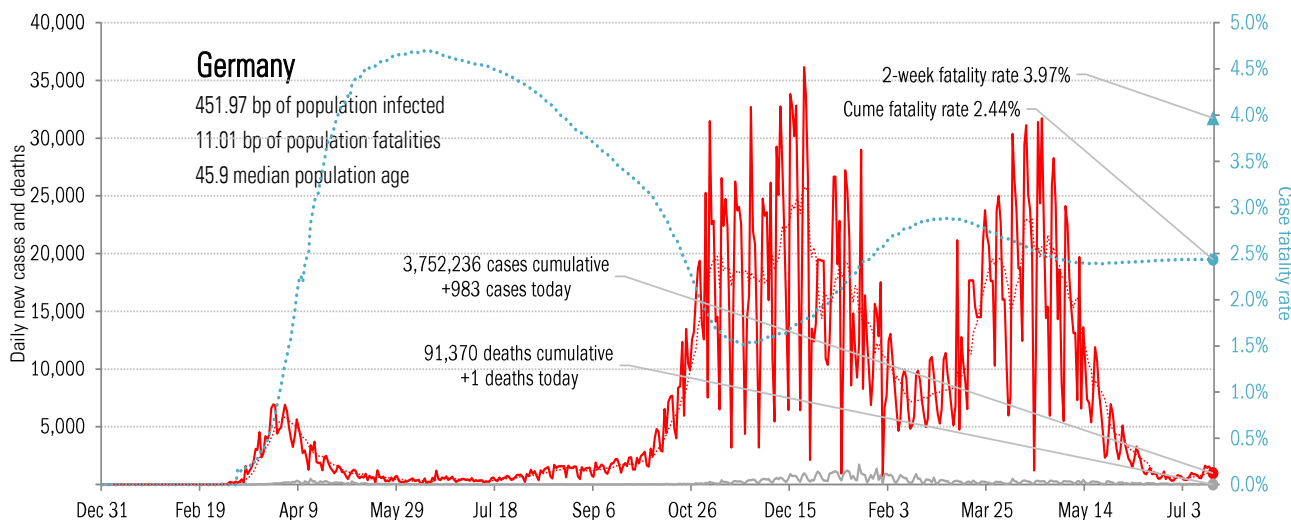
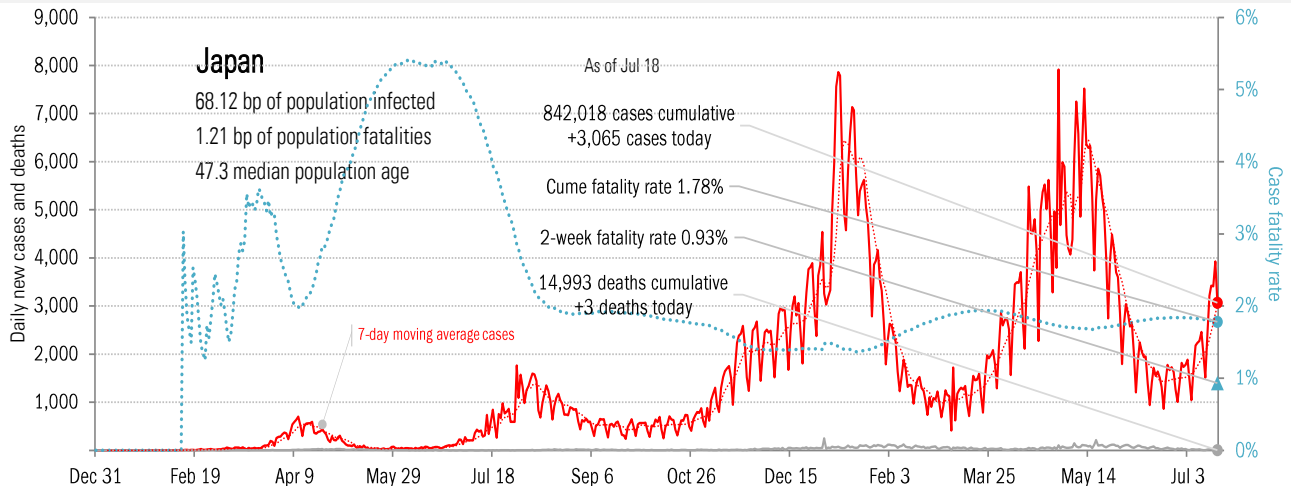
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



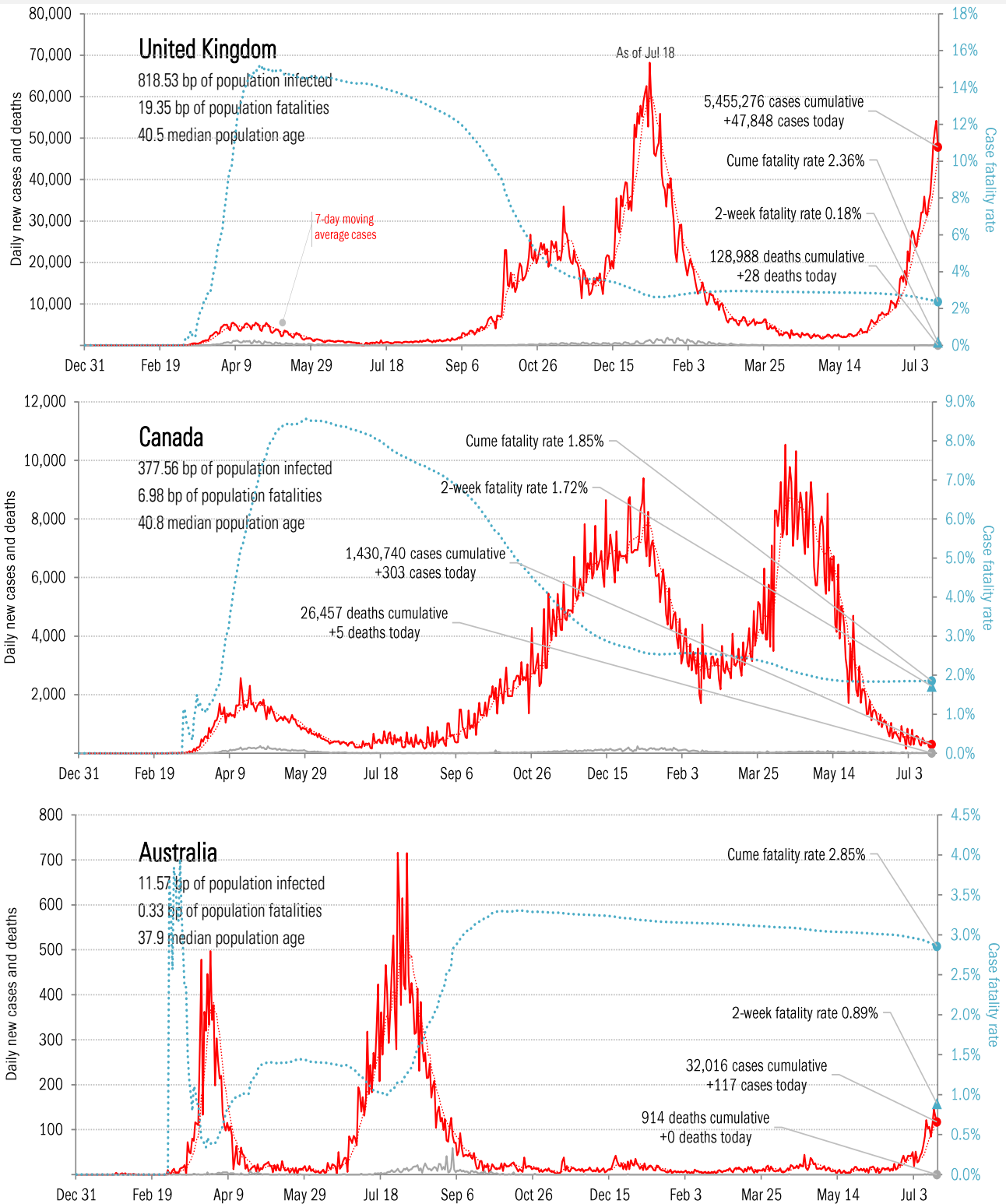
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

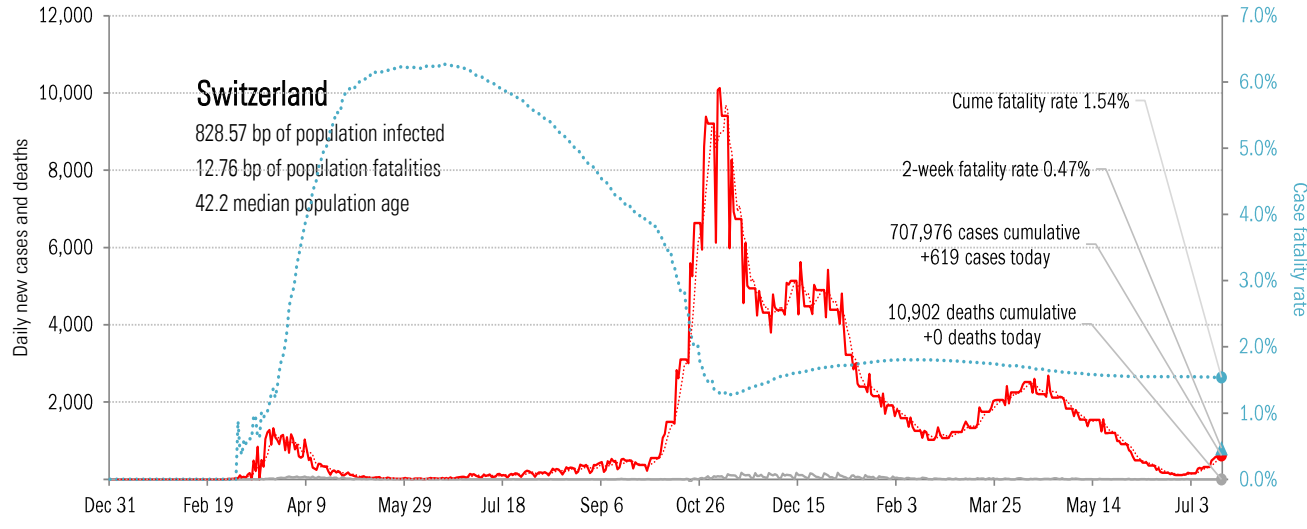
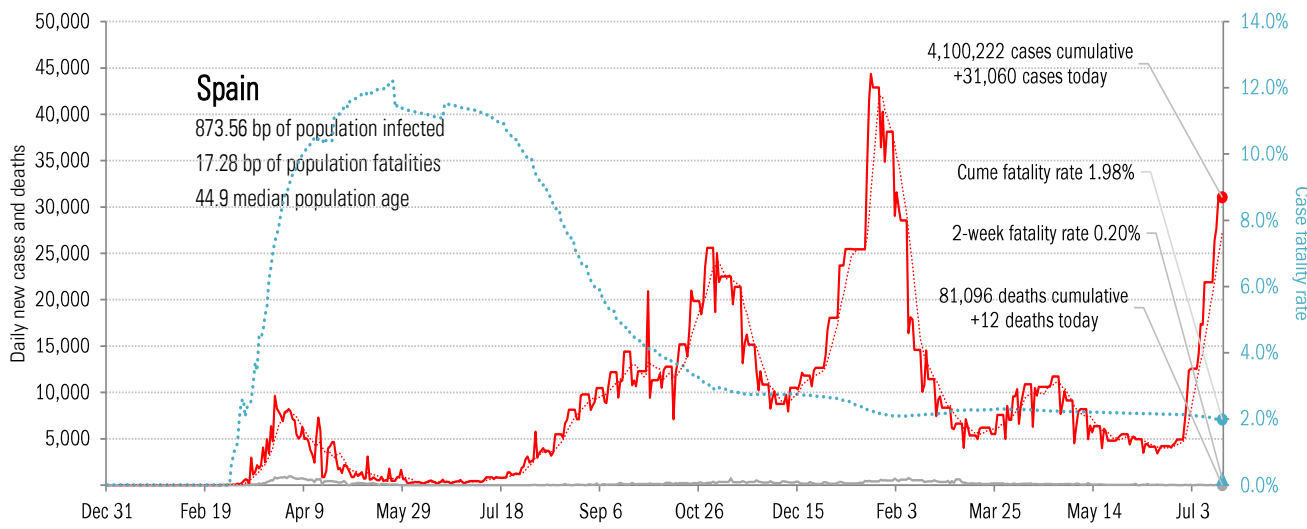
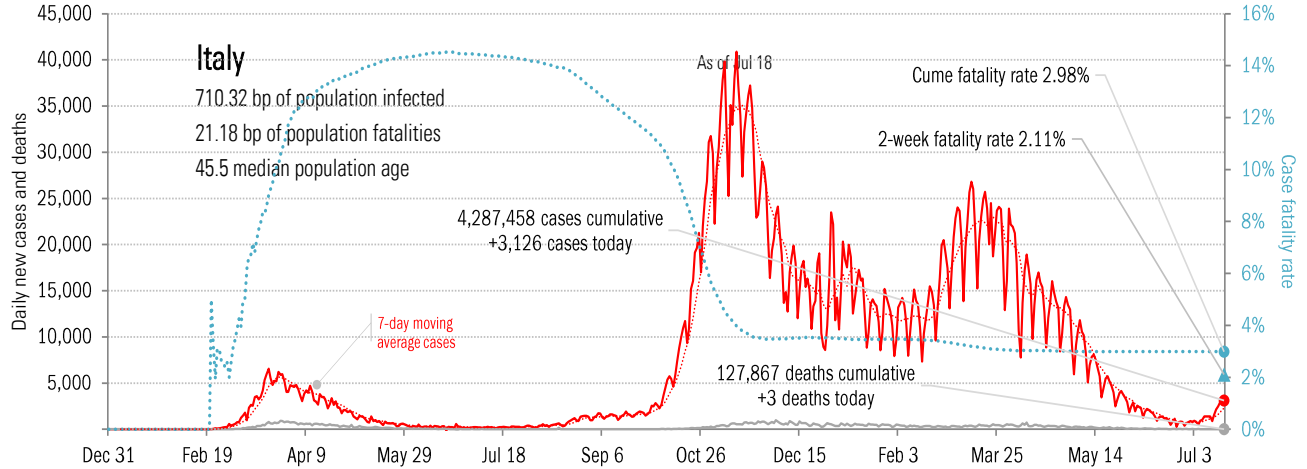
# Impact in The Anglosphere



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

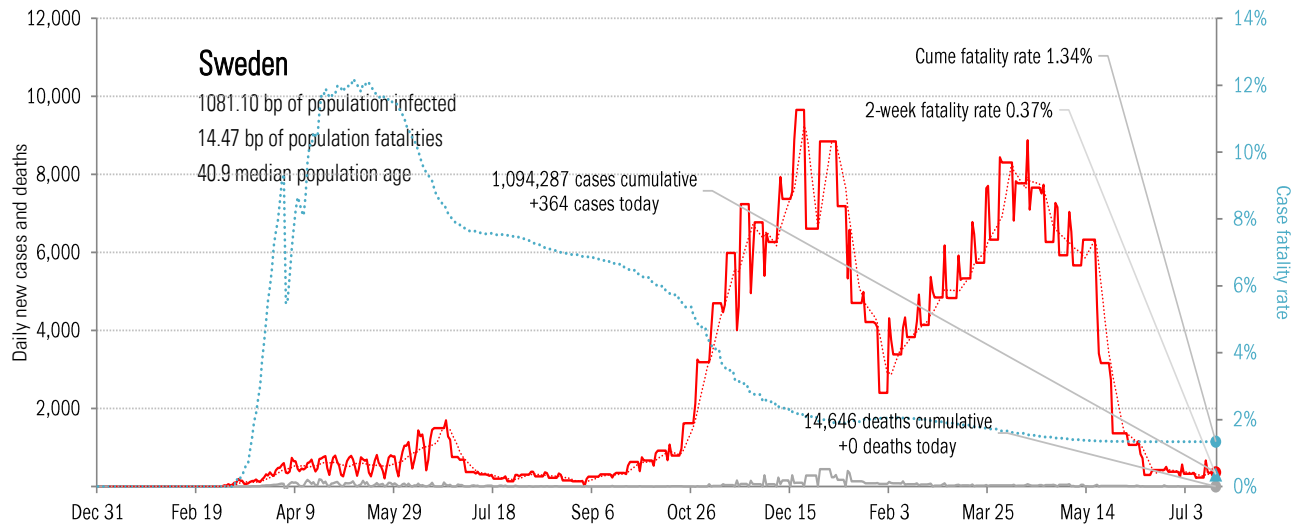
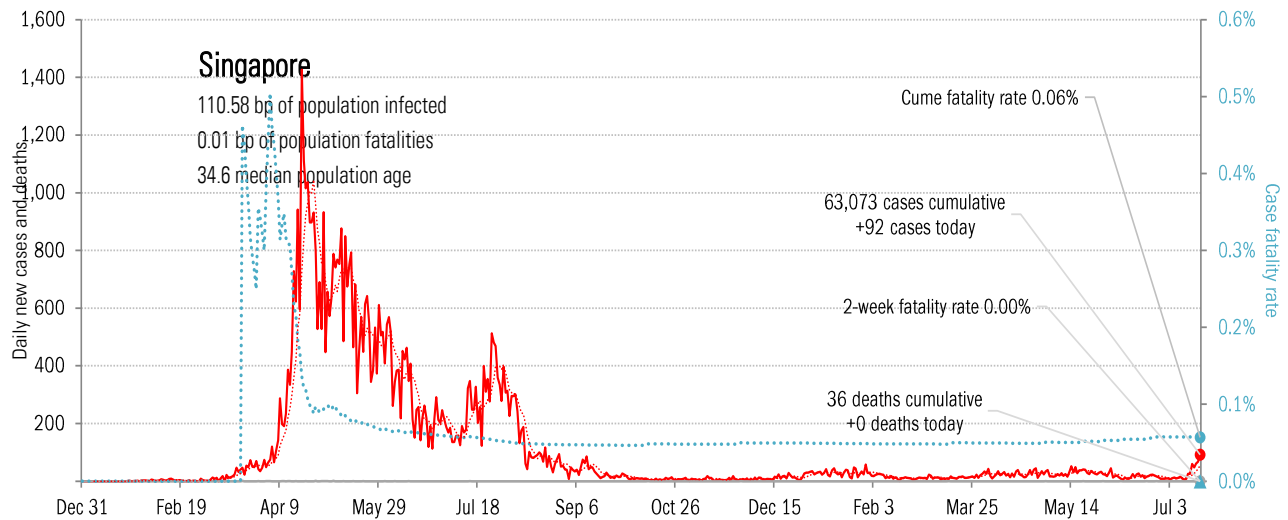
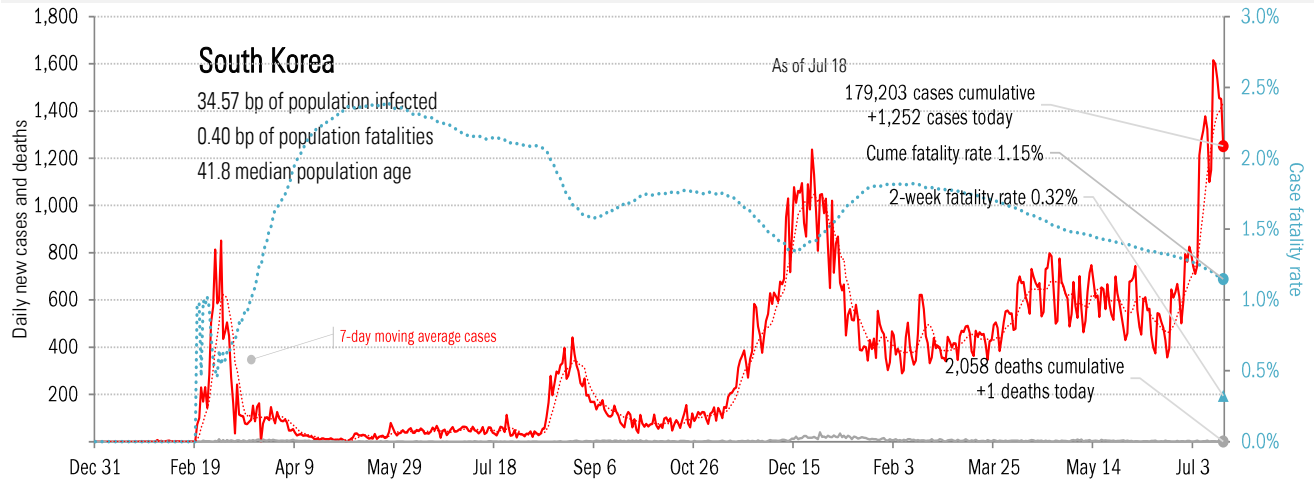


# Impact in continental Europe



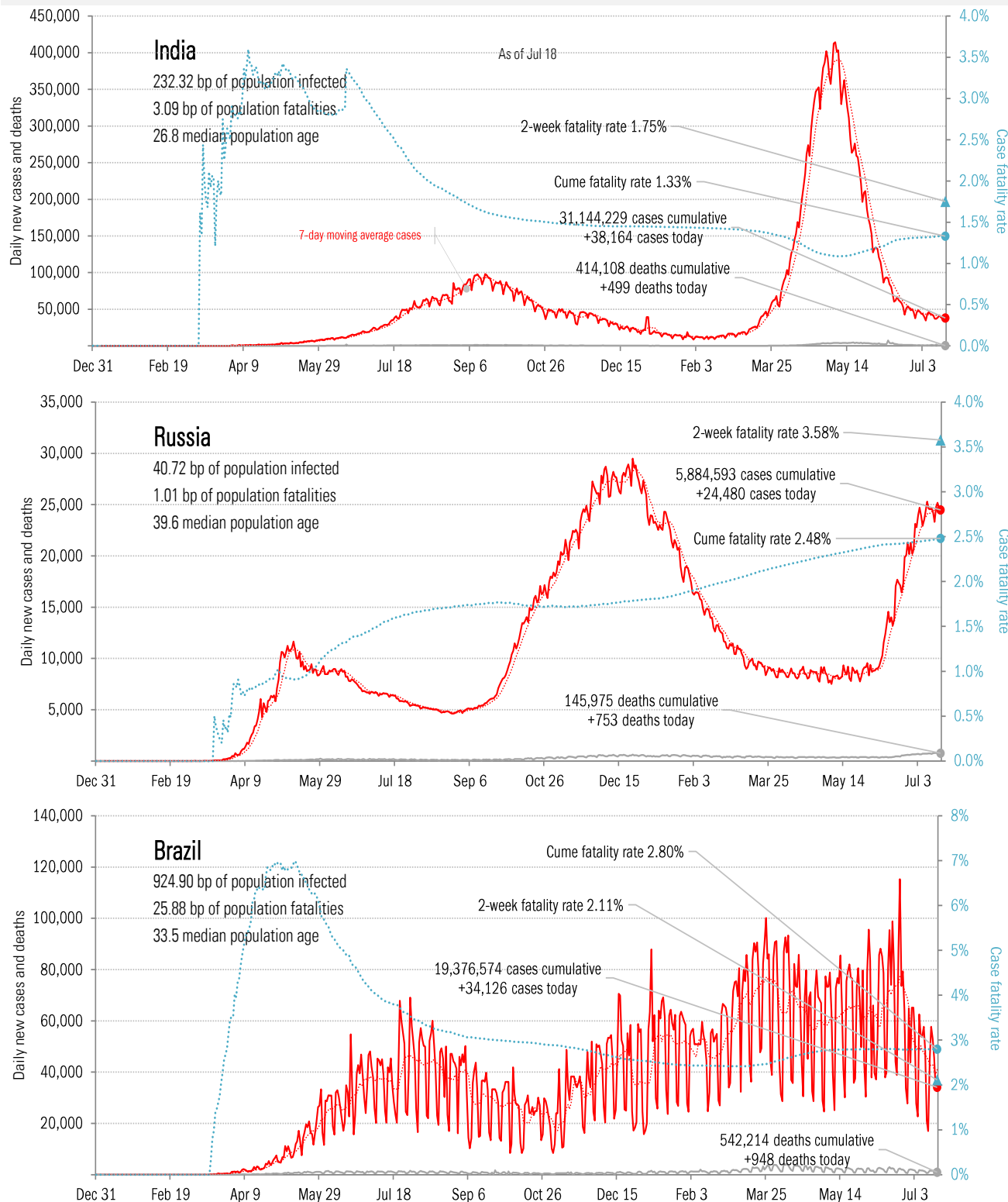
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



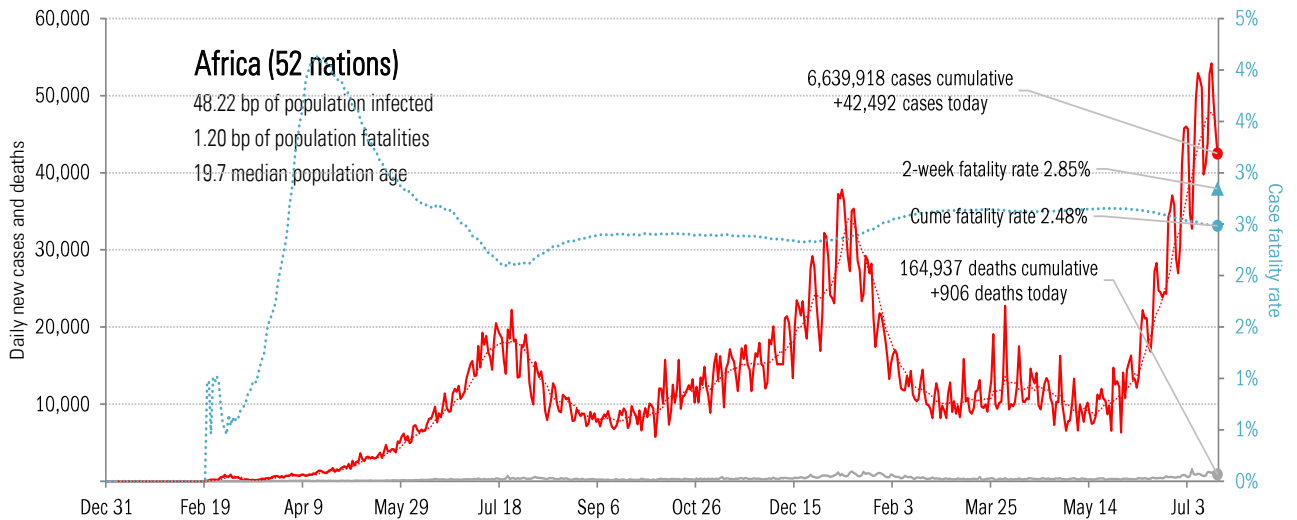
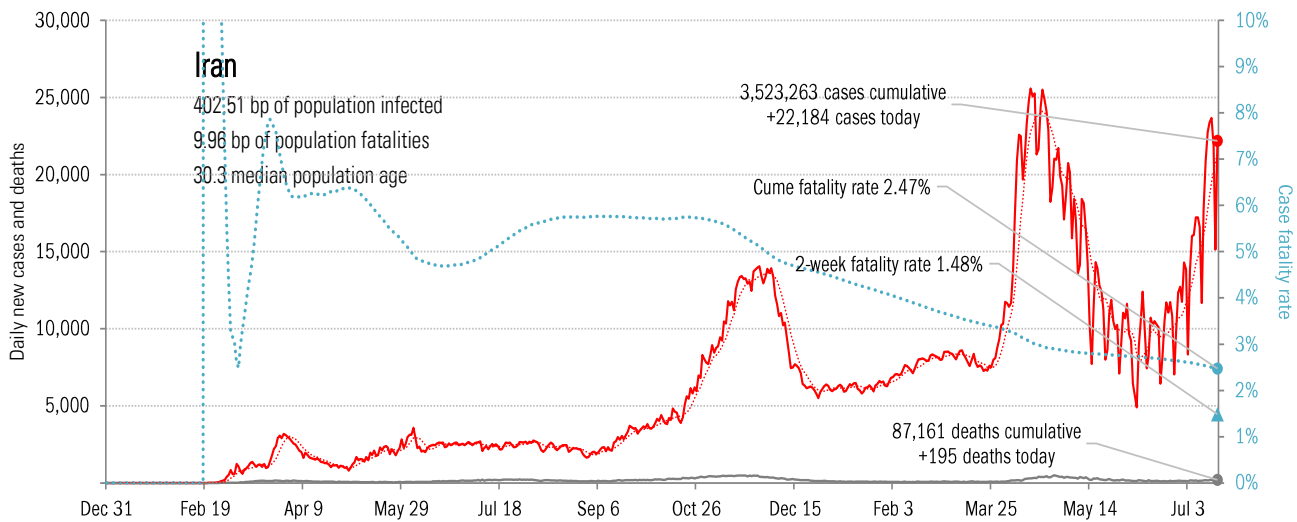
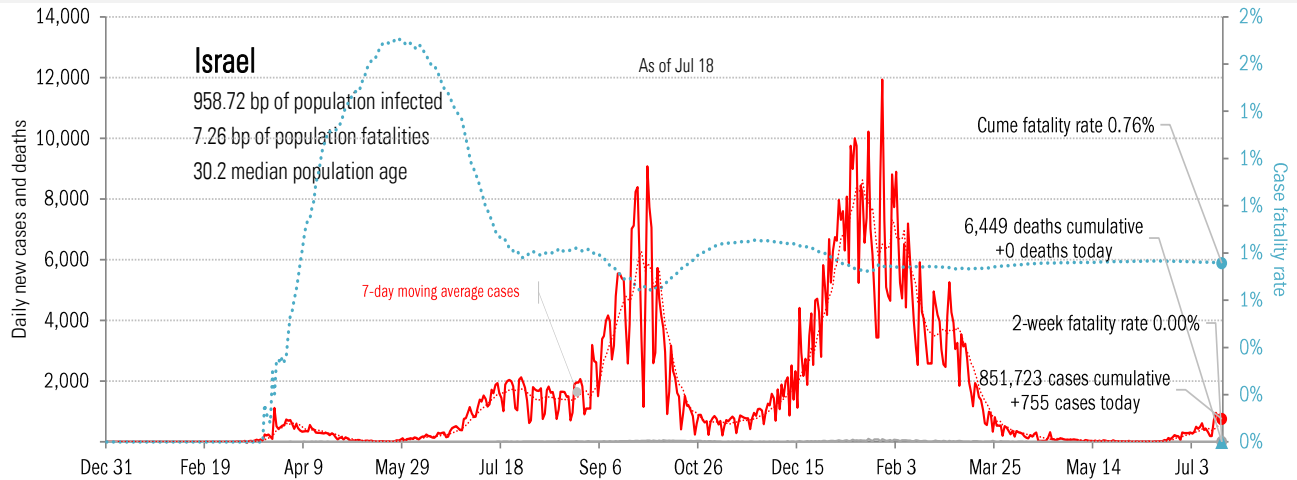
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



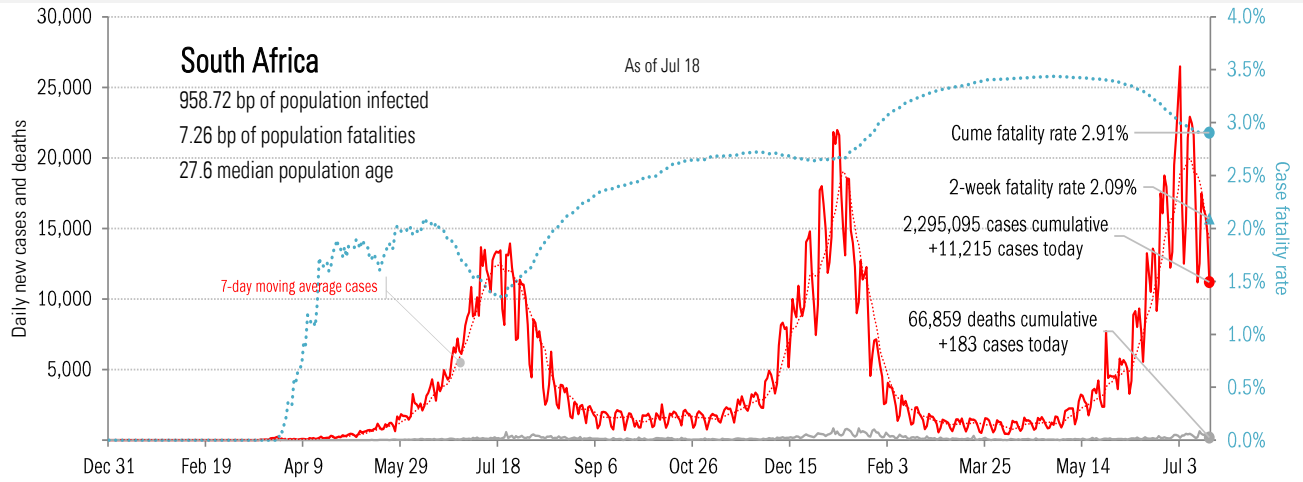
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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