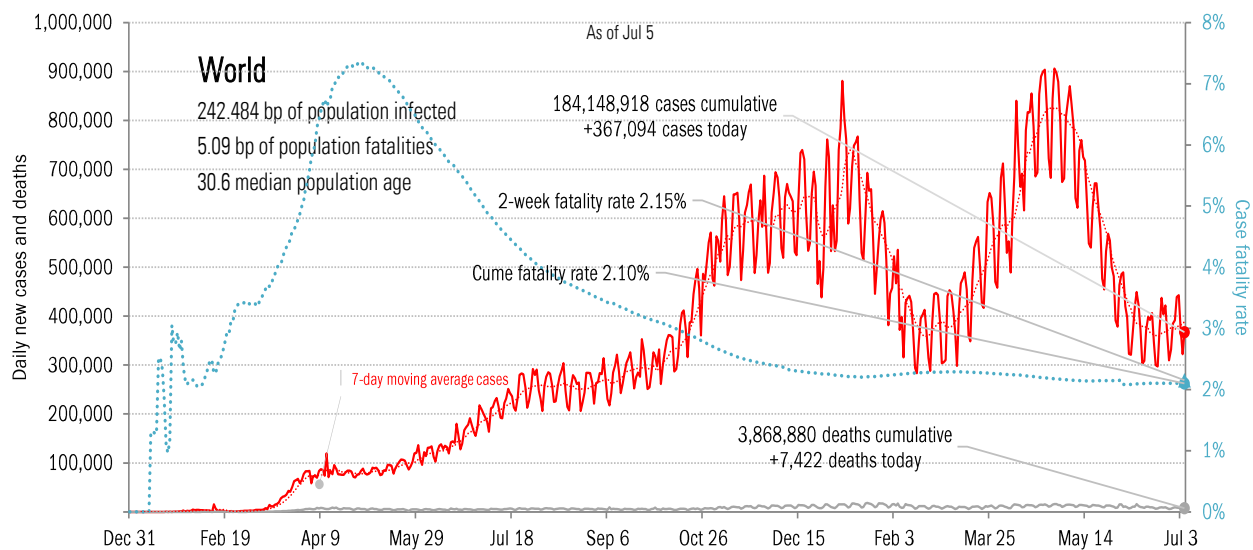
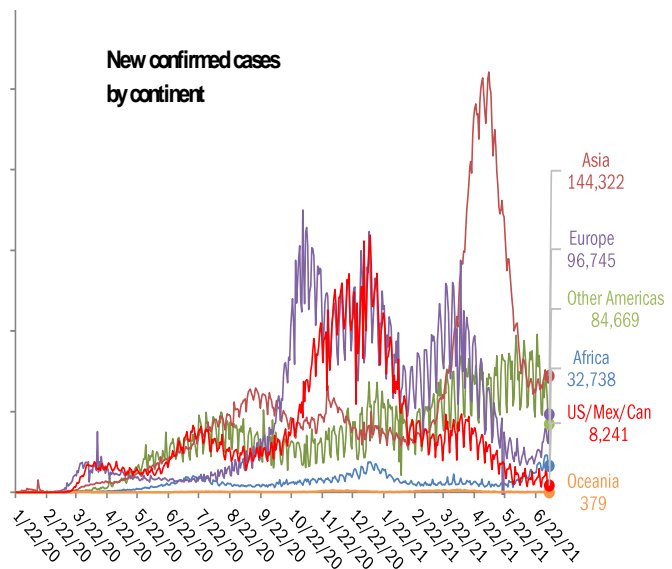


## Data Insights: Covid-2019 Monitor

Tuesday, July 6, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+34,703	Uganda	+855
Spain	+32,607	Brazil	+695
Indonesia	+29,745	Russia	+642
United Kingdom	+27,106	Argentina	+617
Colombia	+25,366	Colombia	+570
Russia	+23,895	Indonesia	+558
Brazil	+22,703	India	+553
Argentina	+17,277	South Africa	+331
Iran	+16,025	Afghanistan	+321
South Africa	+12,513	Bangladesh	+164
<b>+241,940</b>		<b>+5,306</b>	
World +367,094		World +7,422	
Top ten 66%		Top ten 71%	



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

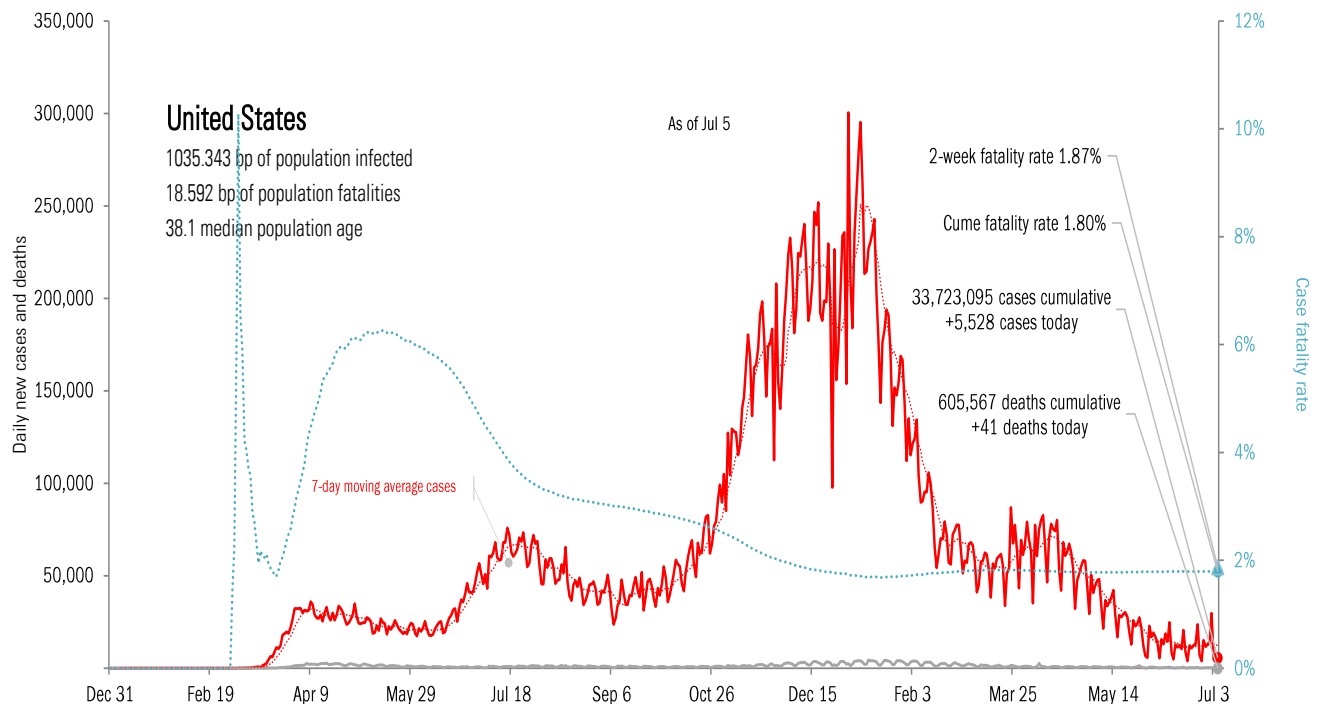
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+2,241		FL	+22		TX	+57		CA	3,821,572		CA	63,650		TX	255,227		RI	92%	MO	18%
AR	+1,246		SC	+11		FL	+53		TX	3,005,221		NY	53,705		CA	241,196		MA	84%	AR	15%
MO	+1,002		WI	+9		NV	+41		FL	2,379,940		TX	52,482		FL	188,774		AL	84%	UT	14%
SC	+700		AR	+7		CA	+28		NY	2,116,888		FL	38,011		NY	136,755		MO	82%	NV	11%
CA	+651		NJ	+4		NY	+21		IL	1,392,552		PA	27,706		GA	109,737		MD	82%	WA	9%
TX	+537		NY	+4		AZ	+16		PA	1,217,484		NJ	26,477		PA	91,888		PA	82%	TX	9%
NY	+372		VA	+4		GA	+9		GA	1,135,526		IL	25,678		CH	88,127		WV	79%	CO	8%
CH	+210		MD	+2		WA	+9		CH	1,112,499		GA	21,443		IL	82,815		CT	79%	AK	8%
CO	+170		AK	+0		MO	+8		NJ	1,024,311		MI	21,009		KY	78,415		MI	78%	FL	7%
WI	+149		AL	+0		NE	+8		NC	1,014,359		CH	20,344		MI	73,305		MN	78%	NM	7%
+7,278			+63			+250			18,220,352			350,505			1,346,239						
All states	+7,769			+63			+145		All states	33,723,095			605,567			2,398,355		All states	70%		67%
Top ten	94%			100%			172%		Top ten	54%			58%			56%		Median	72%		4%

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AZ	-392	TX	-9	LA	-53	WI	+40 bp
MO	-256	NY	-5	OK	-25	FR	+30 bp
CO	-92	AZ	-4	NJ	-20	AK	+20 bp
FR	-70	CO	-3	KY	-19	FL	+20 bp
VA	-46	MO	-2	CA	-17	CA	+20 bp

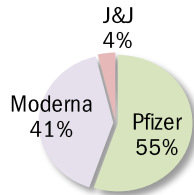


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and

Due to the holiday, vaccine data is not updated today.

US overall	Total		Today	Immunity	Full	Partial
Doses distributed	395,672,025		+0.001 million	US	47.0%	54.5%
Doses administered	340,325,273		+0.668 million	UK	49.5%	66.7%
Administered	One dose	% Pop	Immune	% pop	New immune today	
Total population	187,111,682	56%	161,509,666	48%	+0.351 million	France 31.2% 50.3%
Age 12 to 17	9,070,534	36%	6,937,416	27%	+0.068 million	Spain 39.5% 55.5%
Age 18 to 64	127,842,788	63%	109,901,551	54%	+0.248 million	Germany 38.6% 56.1%
Age 65 and over	49,975,547	91%	44,542,756	81%	+0.035 million	Italy 33.2% 57.5%
						Australia 7.3% 24.9%
						Israel 59.8% 65.2%
						Canada 35.0% 68.6%
						Japan 13.8% 25.0%
						Africa 1.2% 2.7%
						India 4.6% 20.6%
						Brazil 13.0% 36.5%



AK
60.9%
49.8%
43.8%

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 **211 days** by Jan 30, 2022  
 59.8% of population >18 immunized  
 11.5% previously tested positive  
**71.3%** vs 60% adult herd immunity\*

Global data differs from sources, timing

China NA	ME
	72.9%
	66.7%
	61.9%
VT	NH
78.3%	71.6%
74.2%	62.9%
66.0%	56.7%

<b>WA</b> 65.1% 61.8% 55.1%	<b>ID</b> 49.6% 39.8% 36.3%	<b>MT</b> 55.3% 48.0% 43.2%	<b>ND</b> 49.5% 44.1% 39.1%	<b>MN</b> 61.0% 57.3% 52.3%	<b>IL</b> 61.3% 59.9% 46.6%	<b>MI</b> 61.4% 51.6% 47.3%	<b>NY</b> 65.0% 60.5% 54.6%	<b>MA</b> 74.0% 70.8% 62.1%		
<b>OR</b> 70.6% 59.1% 54.2%	<b>NV</b> 53.1% 50.2% 42.4%	<b>WY</b> 47.6% 39.9% 35.4%	<b>SD</b> 57.7% 50.8% 45.6%	<b>IA</b> 57.9% 51.6% 48.3%	<b>IN</b> 53.0% 45.5% 42.6%	<b>OH</b> 55.9% 48.5% 45.1%	<b>PA</b> 65.4% 63.1% 50.0%	<b>NJ</b> 68.6% 63.3% 55.7%	<b>CT</b> 69.9% 67.4% 61.1%	<b>RI</b> 74.4% 64.9% 59.3%
<b>CA</b> 65.6% 61.9% 50.4%	<b>UT</b> 53.1% 48.9% 37.5%	<b>CO</b> 64.1% 58.3% 52.3%	<b>NE</b> 57.0% 51.8% 47.8%	<b>MO</b> 52.6% 45.4% 39.4%	<b>KY</b> 53.1% 49.8% 43.9%	<b>WV</b> 56.1% 43.9% 37.5%	<b>VA</b> 64.0% 59.5% 52.3%	<b>MD</b> 73.7% 62.3% 56.5%	<b>DE</b> 69.2% 58.6% 50.5%	
	<b>AZ</b> 58.9% 50.9% 43.5%	<b>NM</b> 59.9% 63.3% 55.1%	<b>KS</b> 56.0% 49.5% 42.3%	<b>AR</b> 50.2% 42.4% 34.5%	<b>TN</b> 49.1% 42.6% 37.6%	<b>NC</b> 58.9% 49.0% 42.1%	<b>SC</b> 54.6% 44.6% 39.0%	<b>DC</b> 79.1% 61.7% 52.9%		
			<b>OK</b> 53.7% 45.1% 38.7%	<b>LA</b> 46.4% 38.7% 35.3%	<b>MS</b> 47.6% 36.3% 29.9%	<b>AL</b> 52.3% 40.2% 32.9%	<b>GA</b> 55.7% 43.7% 36.8%			
	<b>HI</b> 71.7% 70.1% 52.2%		<b>TX</b> 58.3% 48.5% 41.6%				<b>FL</b> 62.1% 54.2% 46.4%	<b>PR</b> 69.0% 65.4% 56.2%		

As of Jul 4

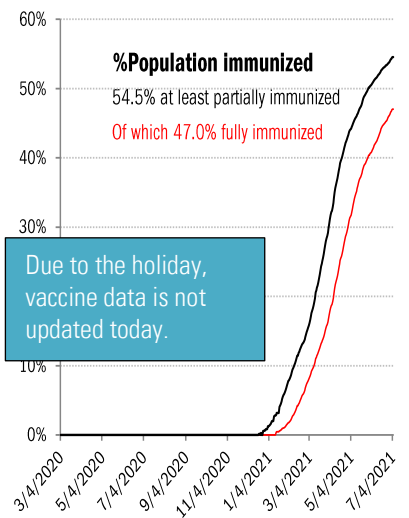
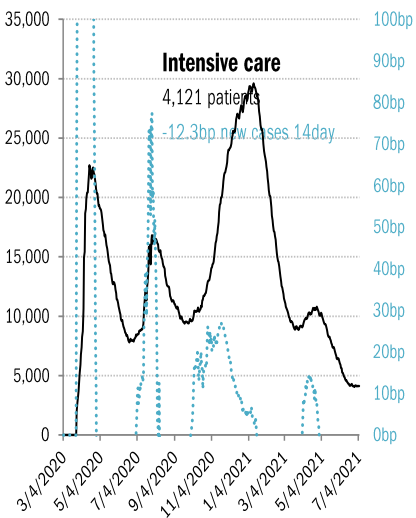
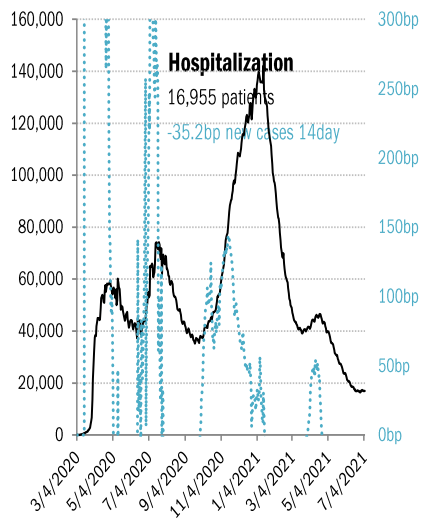
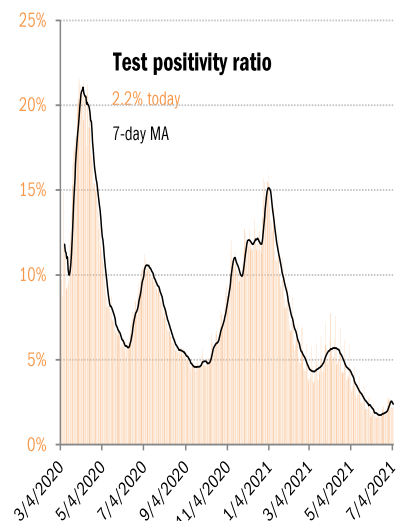
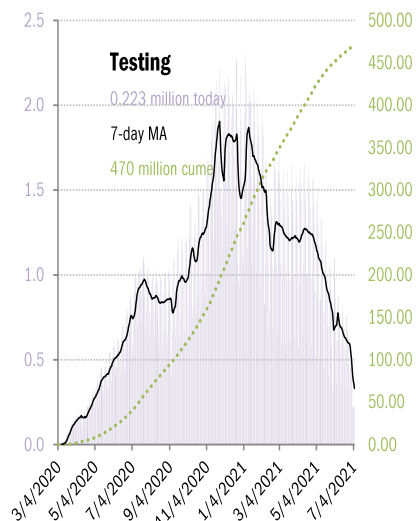
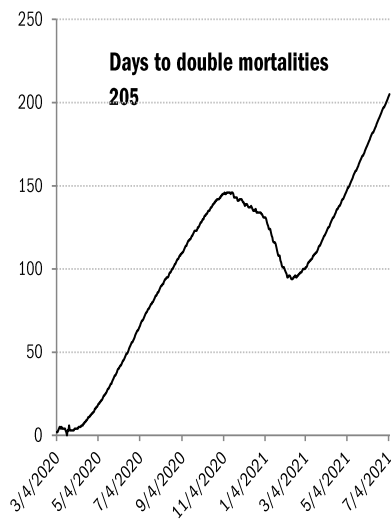
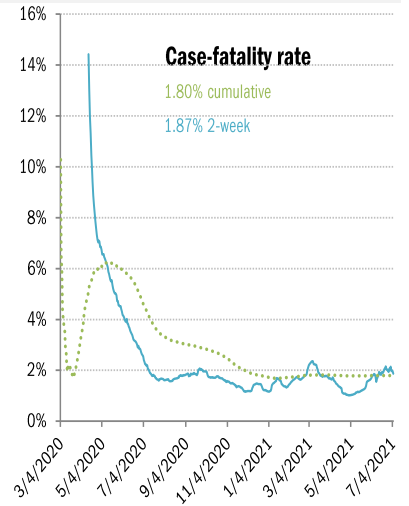
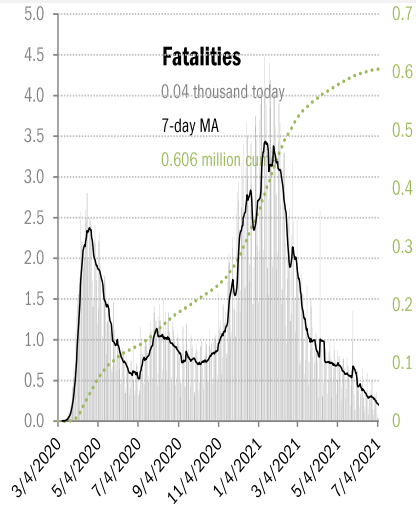
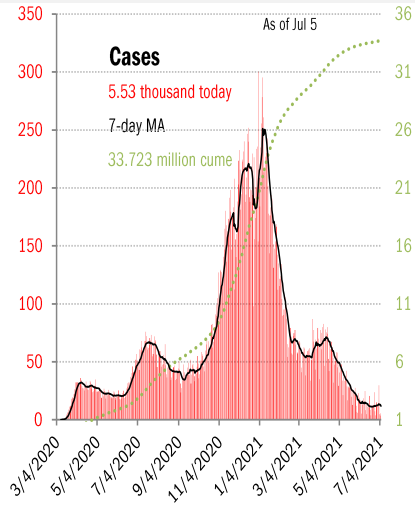
\* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

\*\* 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

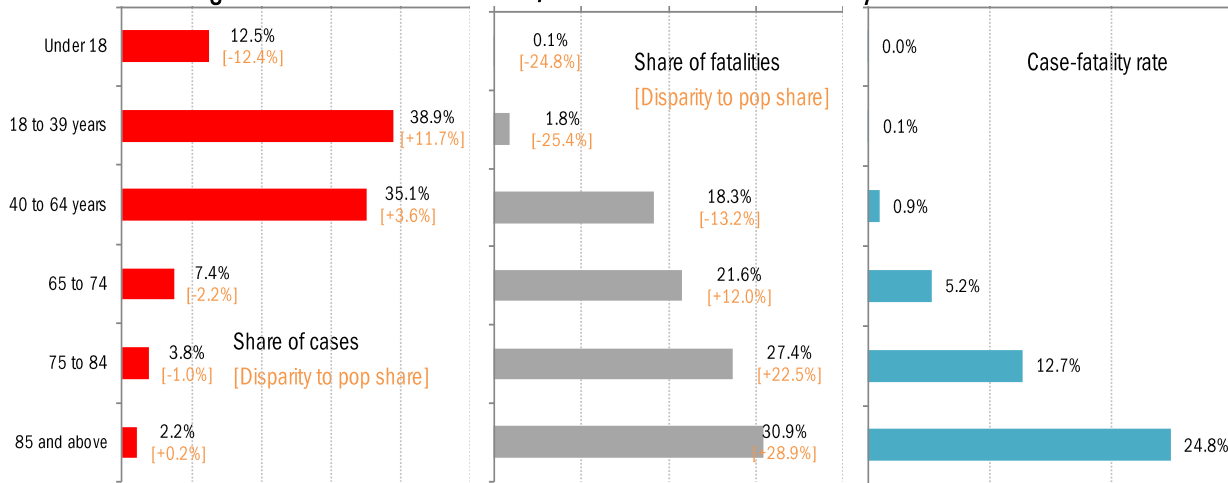
# US deep-dive

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

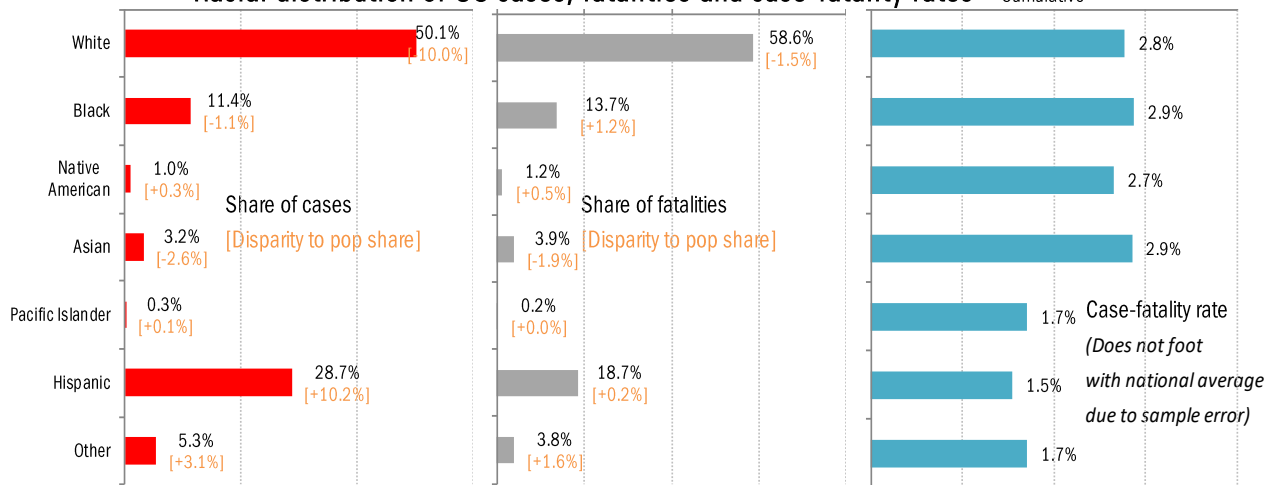


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

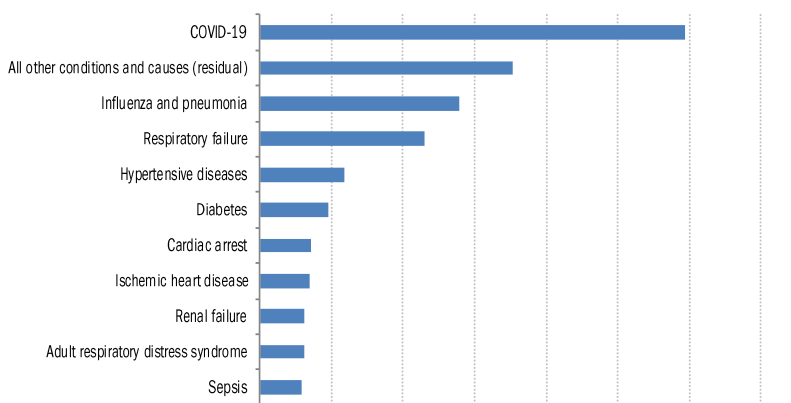


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jun 27

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

### [Birthday Parties as Virus Vector](#)

Margot Sanger-Katz

*New York Times*

July 5, 2021

### [Some Vaccinated People Are Dying of Covid-19. Here's Why Scientists Aren't Surprised.](#)

Jason Douglas and Stephen Fidler

*Wall Street Journal*

July 2, 2021

### [Fears arise that Lambda COVID-19 variant from Peru may be resistant to vaccines](#)

Lee Brown

*New York Post*

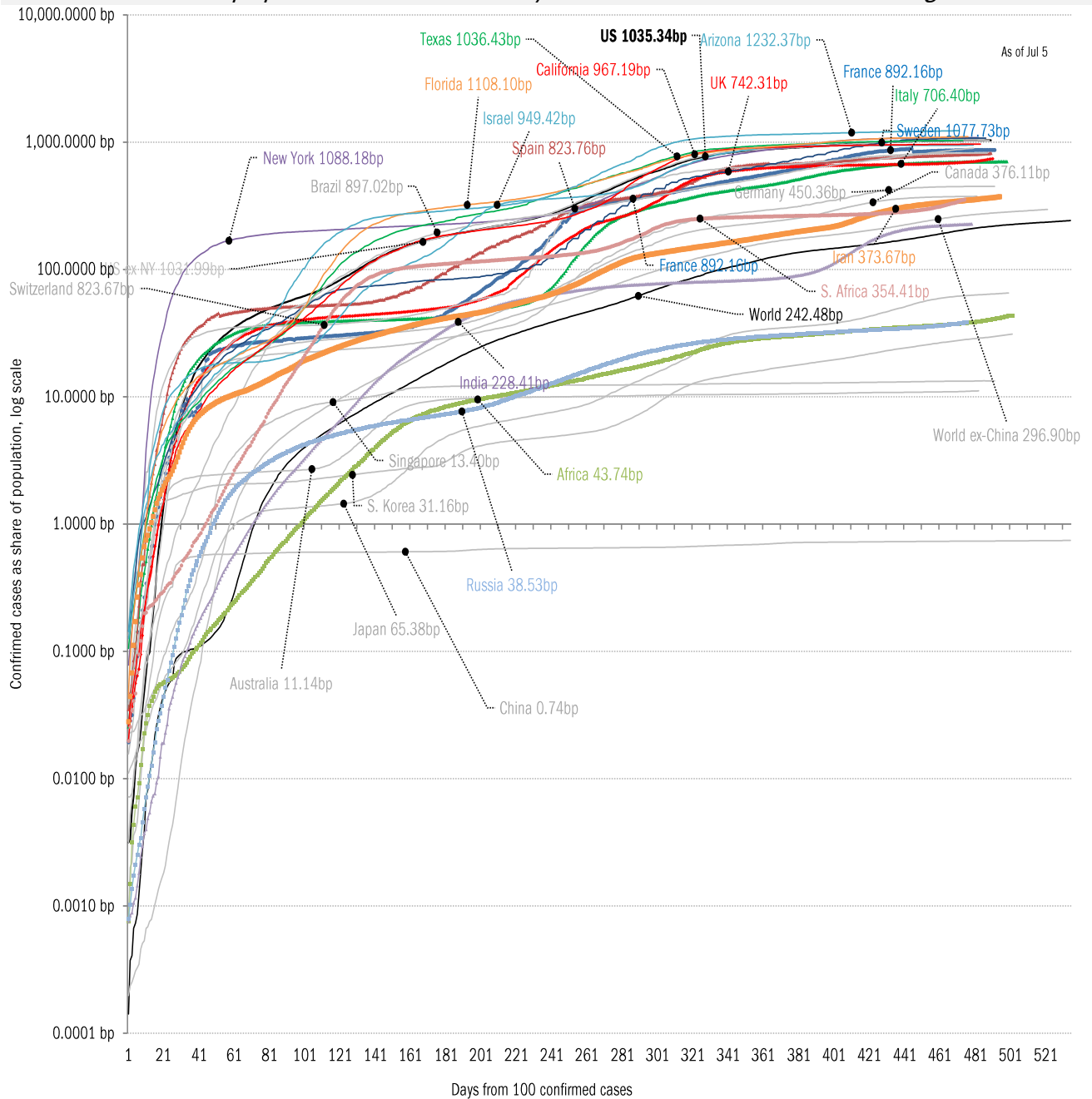
July 5, 2021

## Meme of the day



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

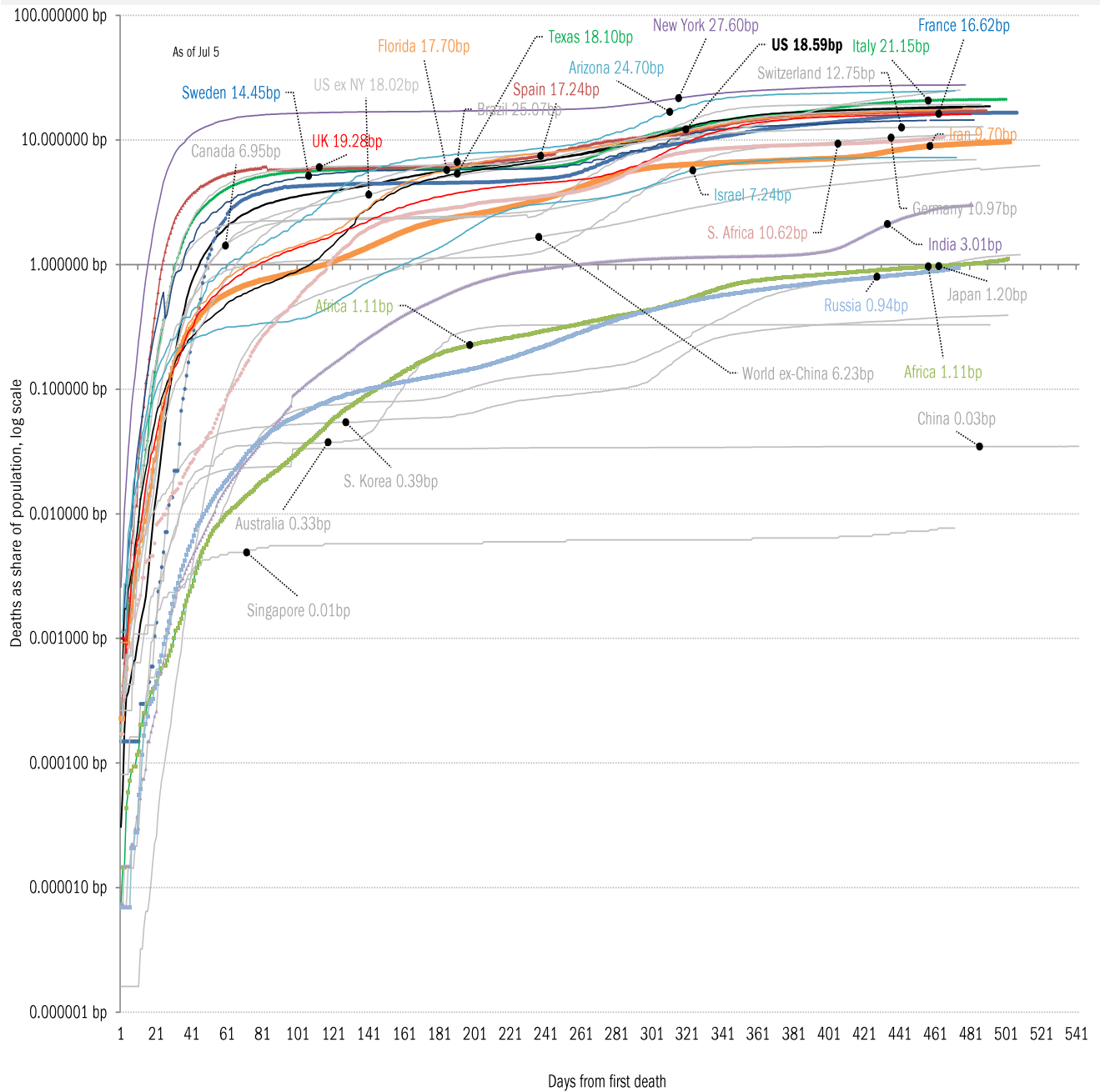
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



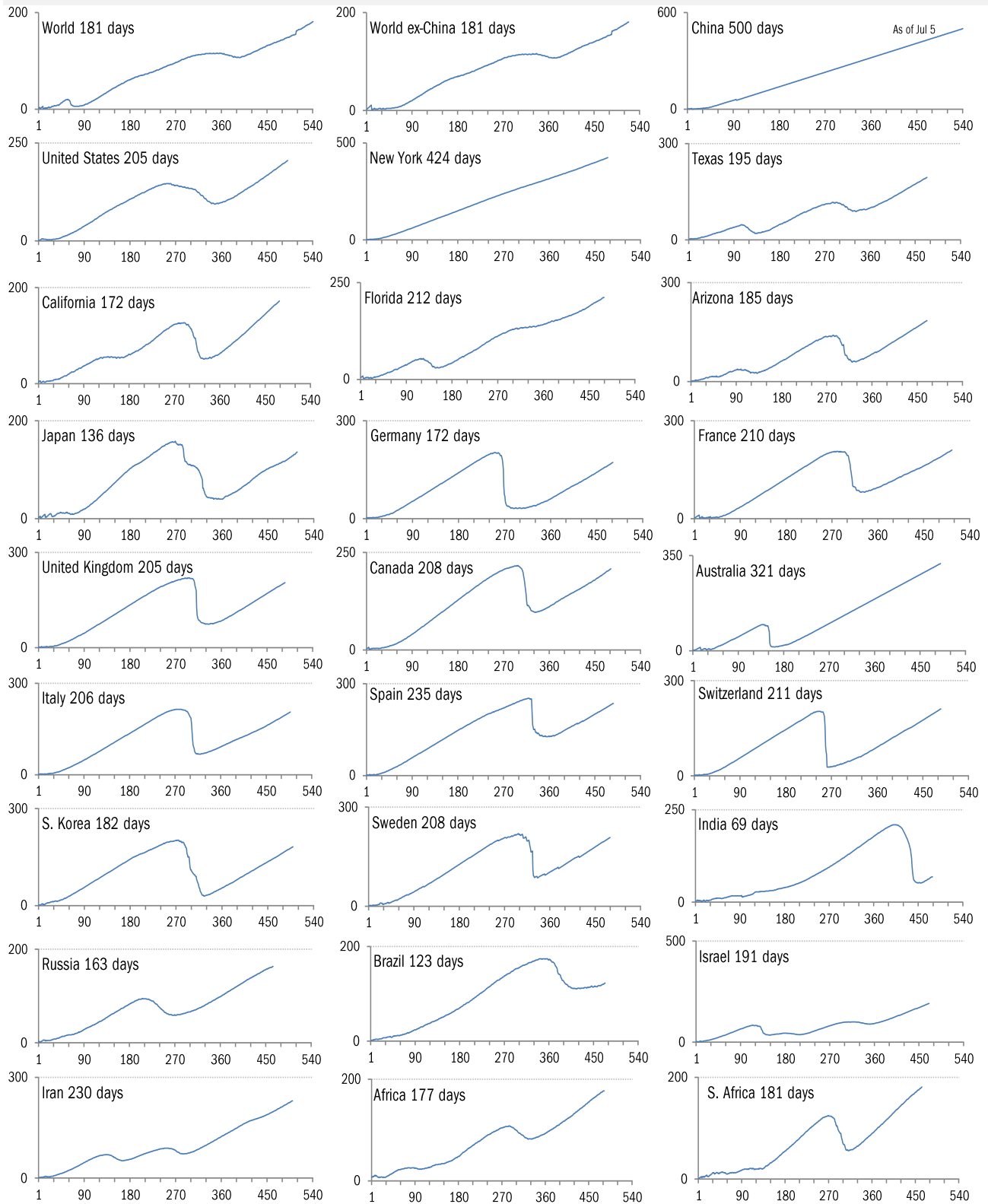
Source: [Johns Hopkins](#), TrendMacro calculations



# "Exponential"? Our most reliable evidence of the rate of spread of Covid-19

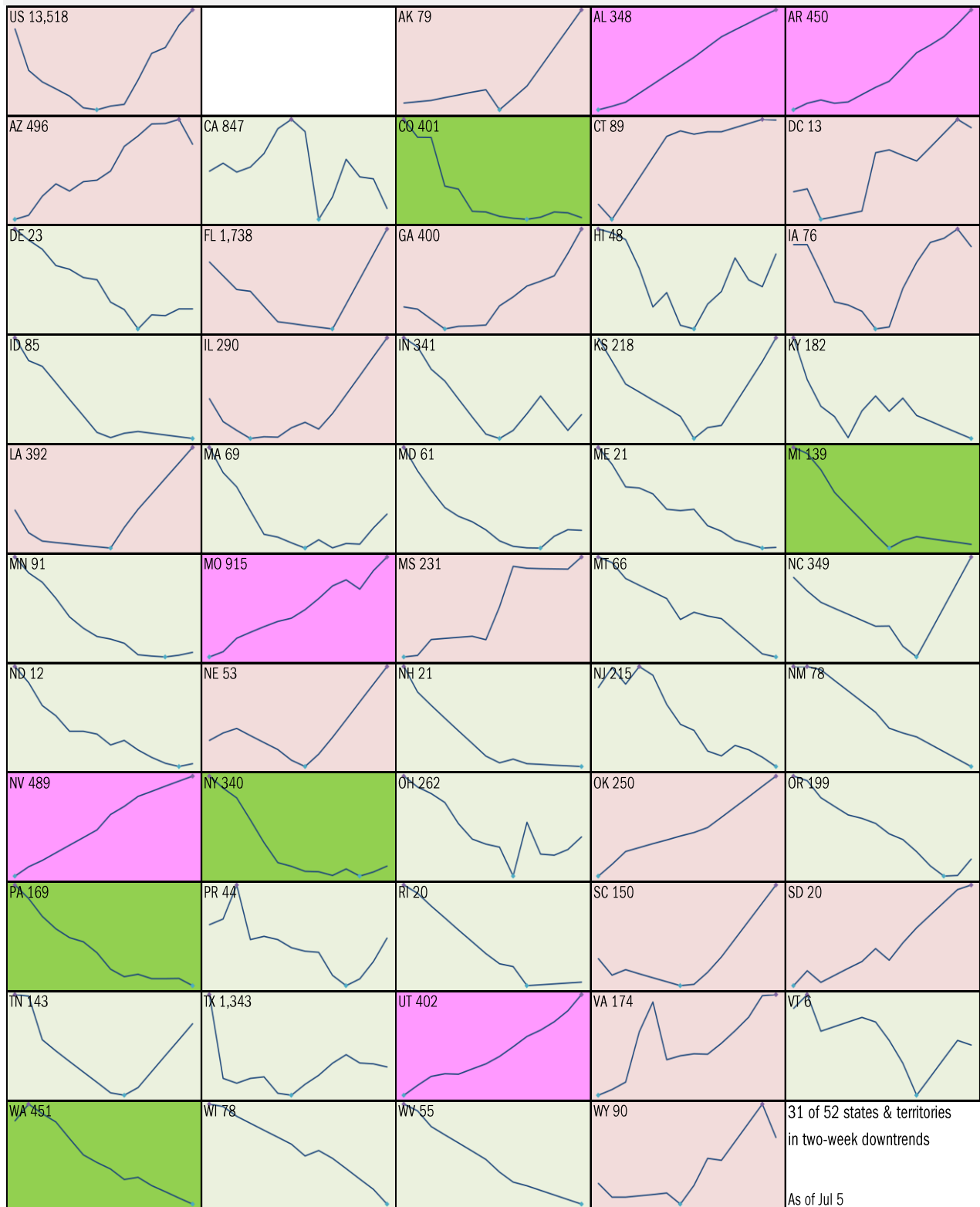
Vertical: days to double deaths Horizontal: days from first death

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

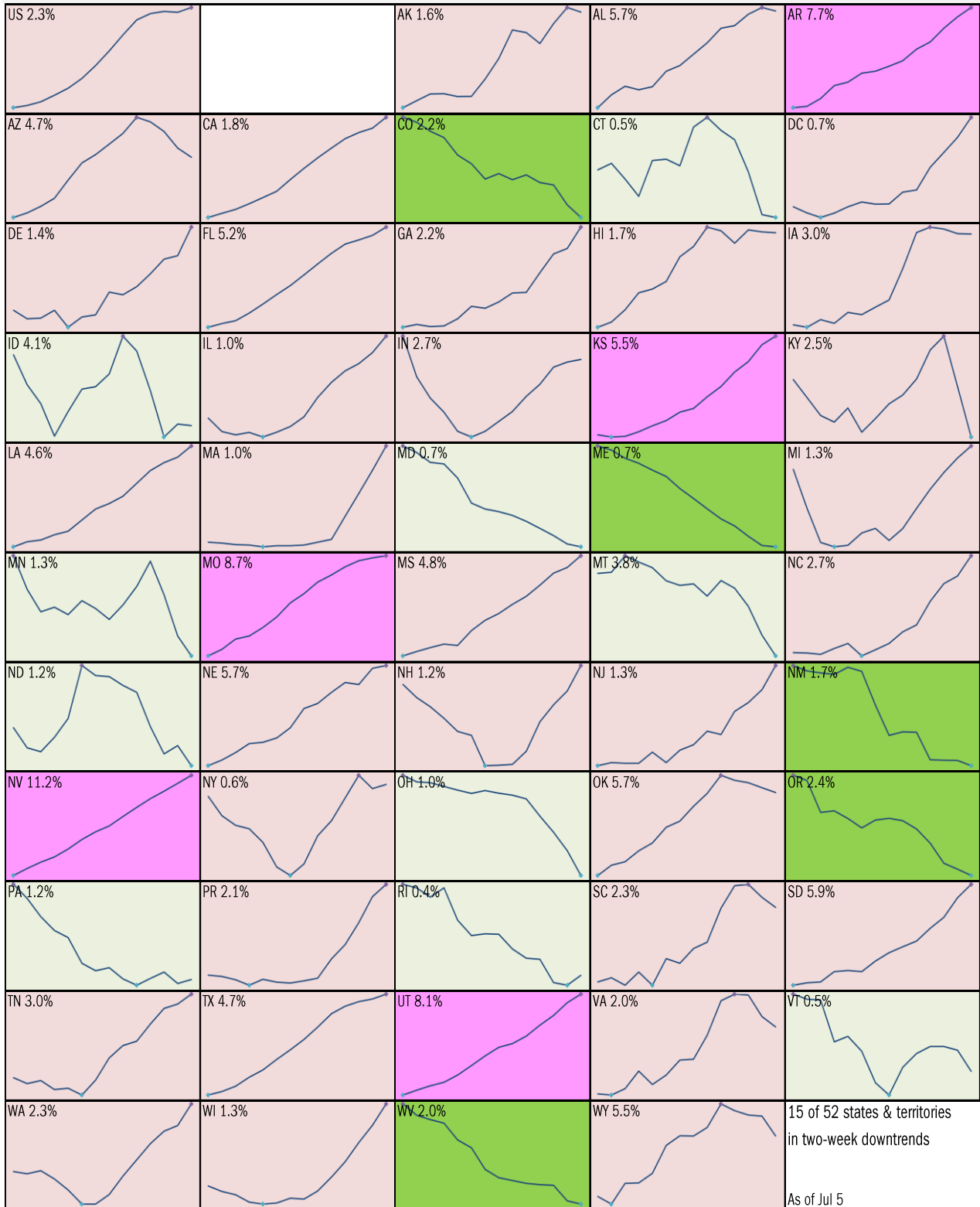


Source: [Johns Hopkins](#), TrendMacro calculations

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

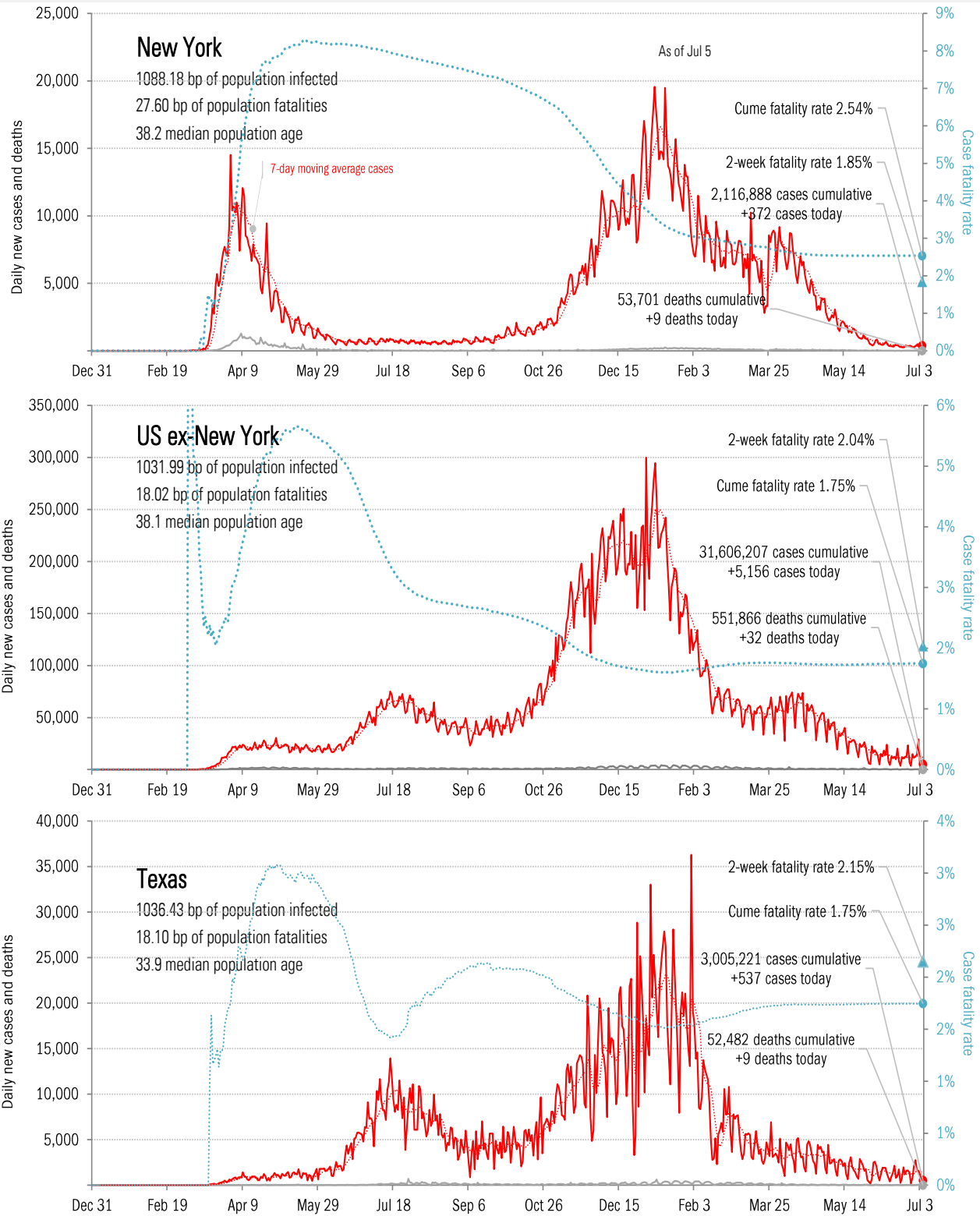
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



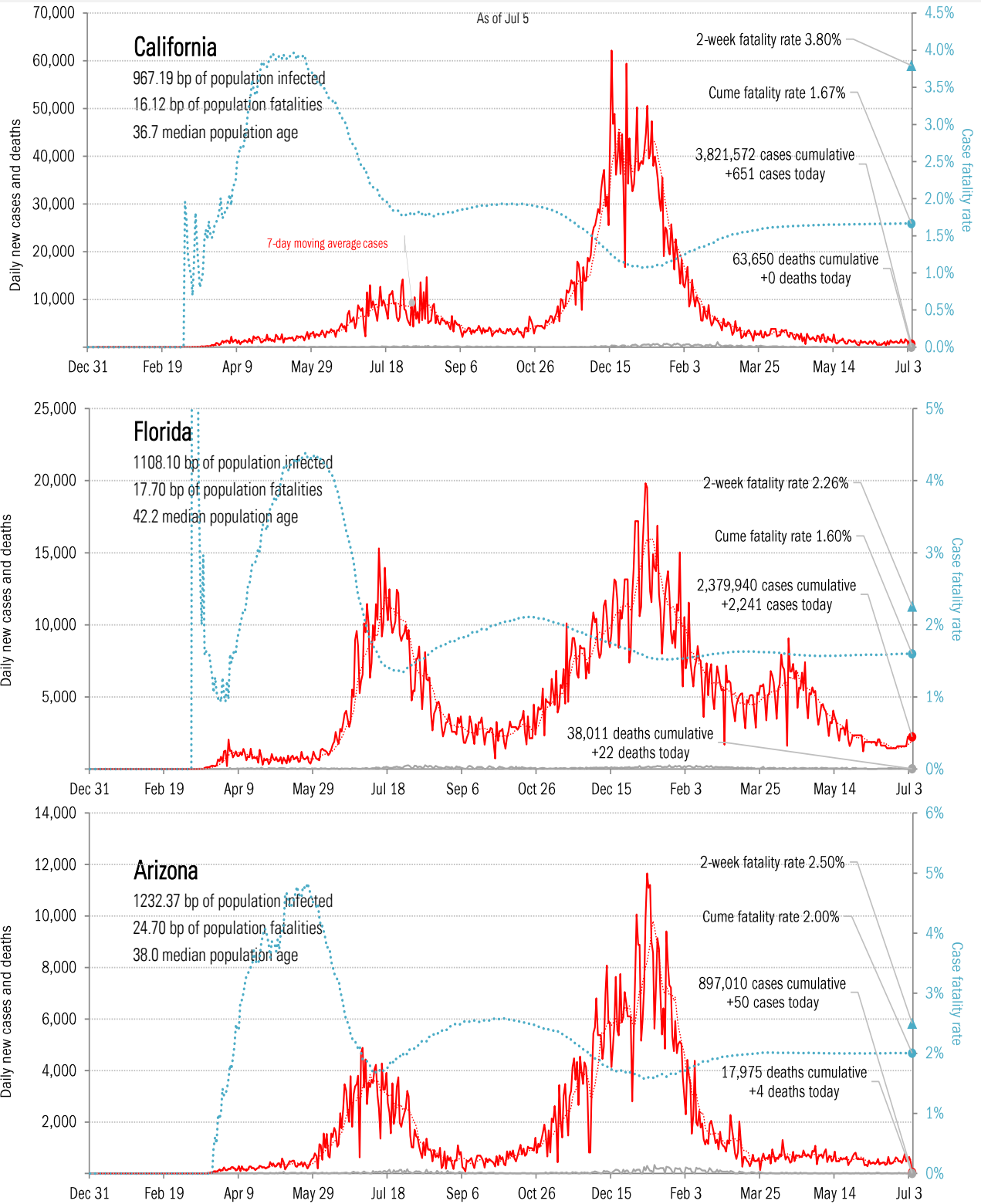
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



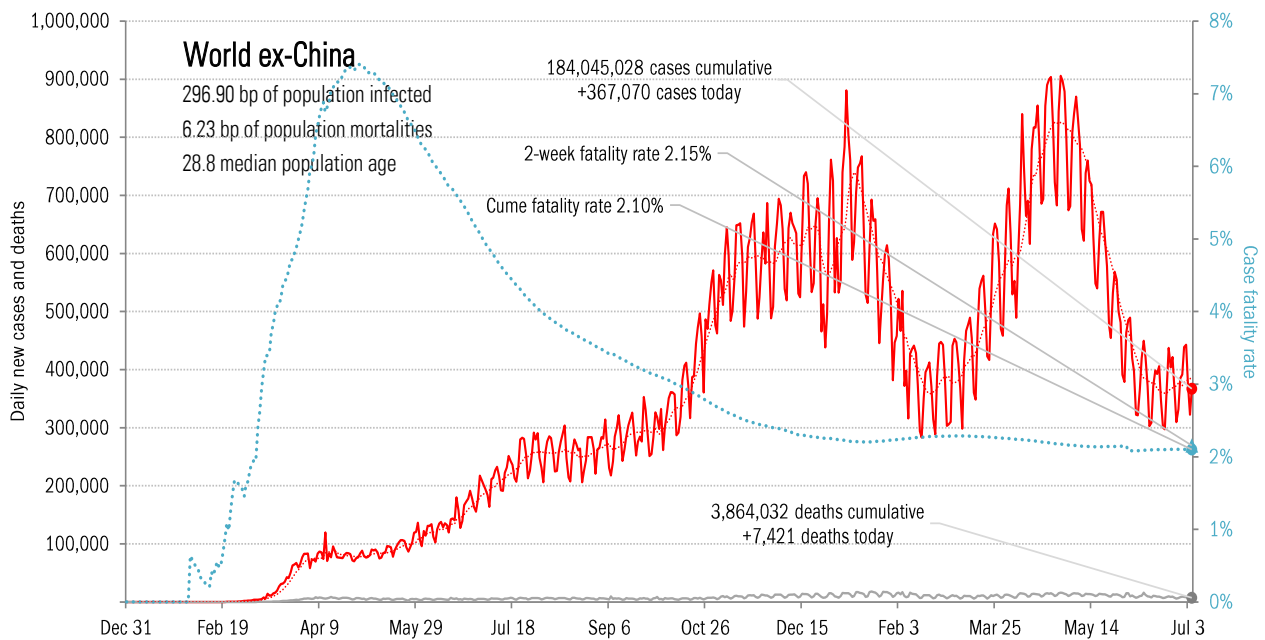
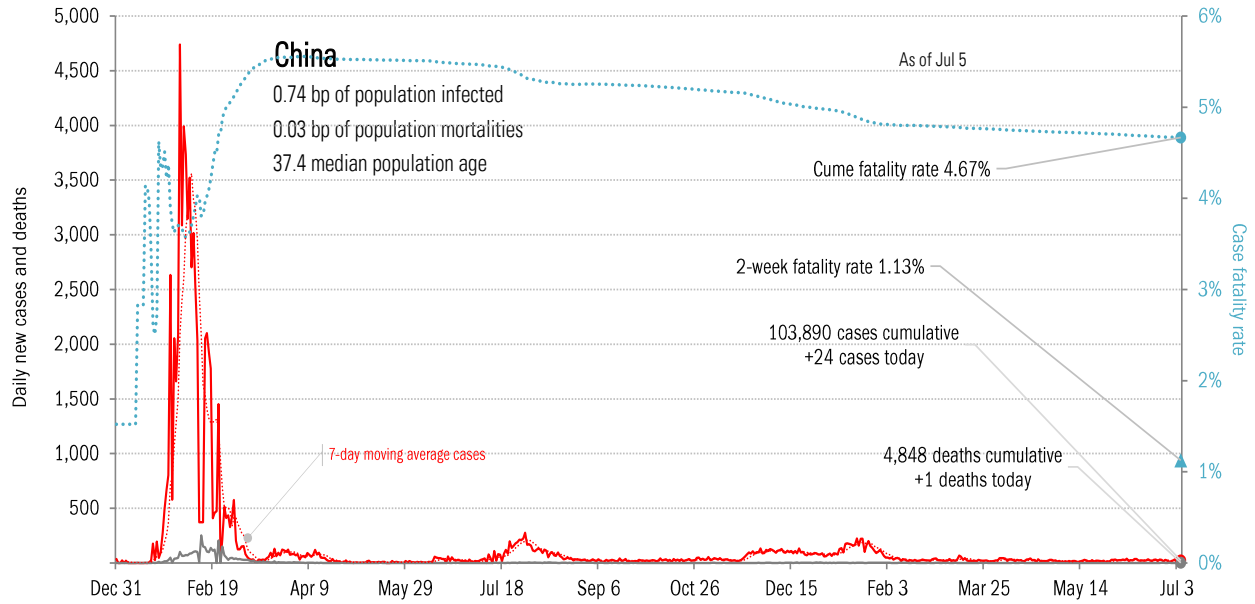
Source: [Johns Hopkins](#), TrendMacro calculations

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



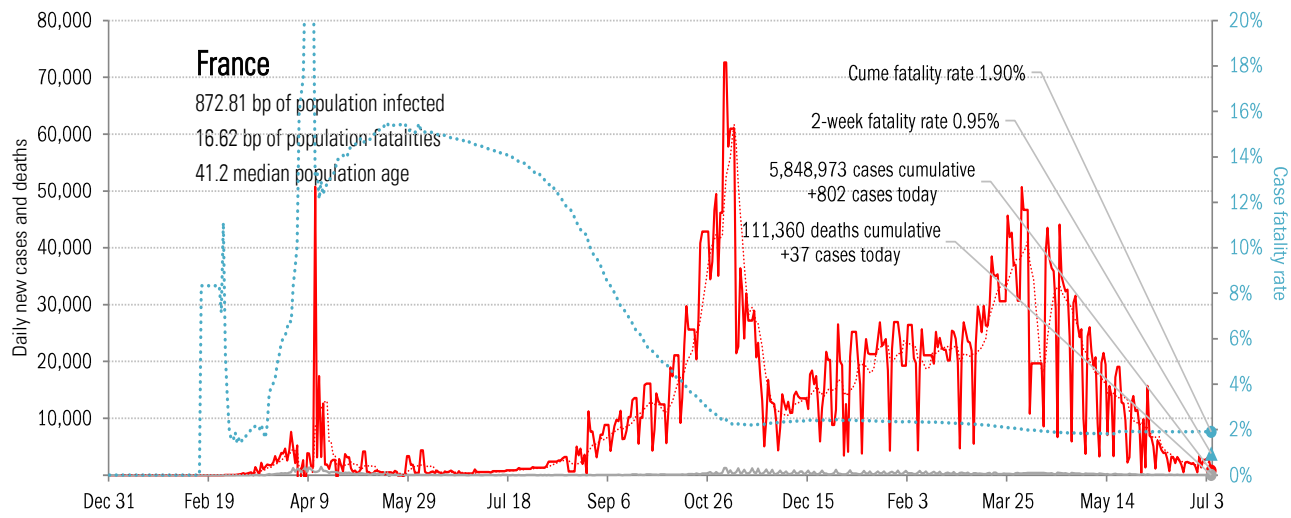
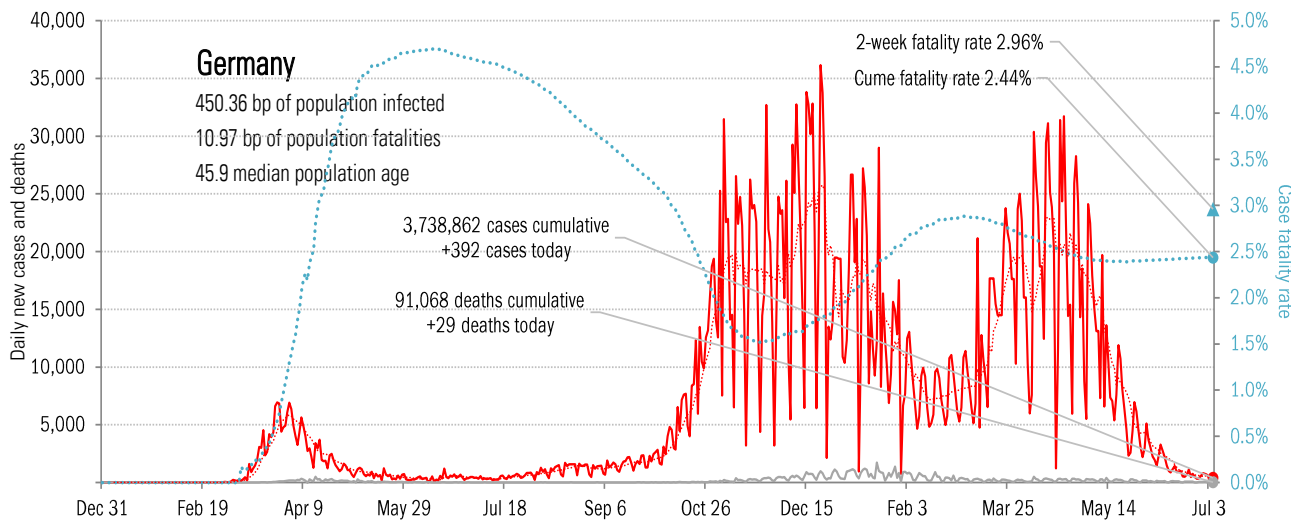
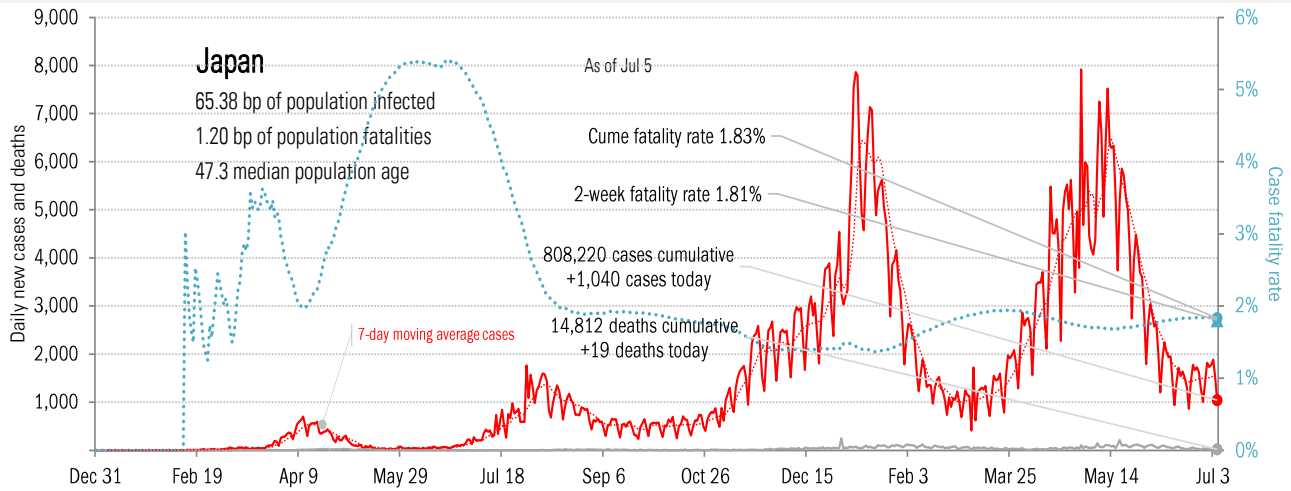
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



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

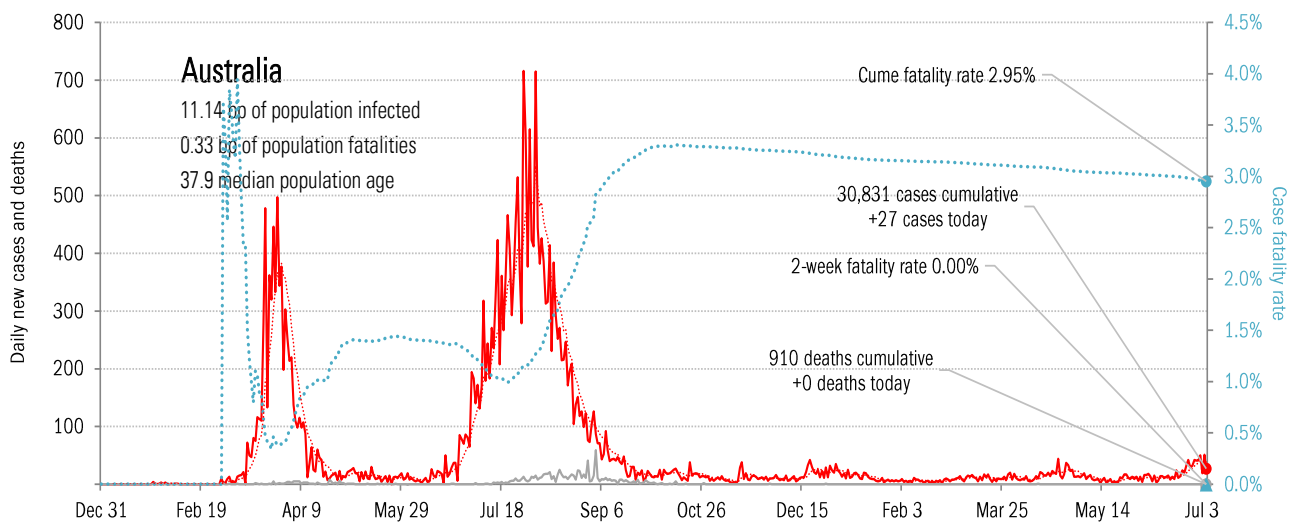
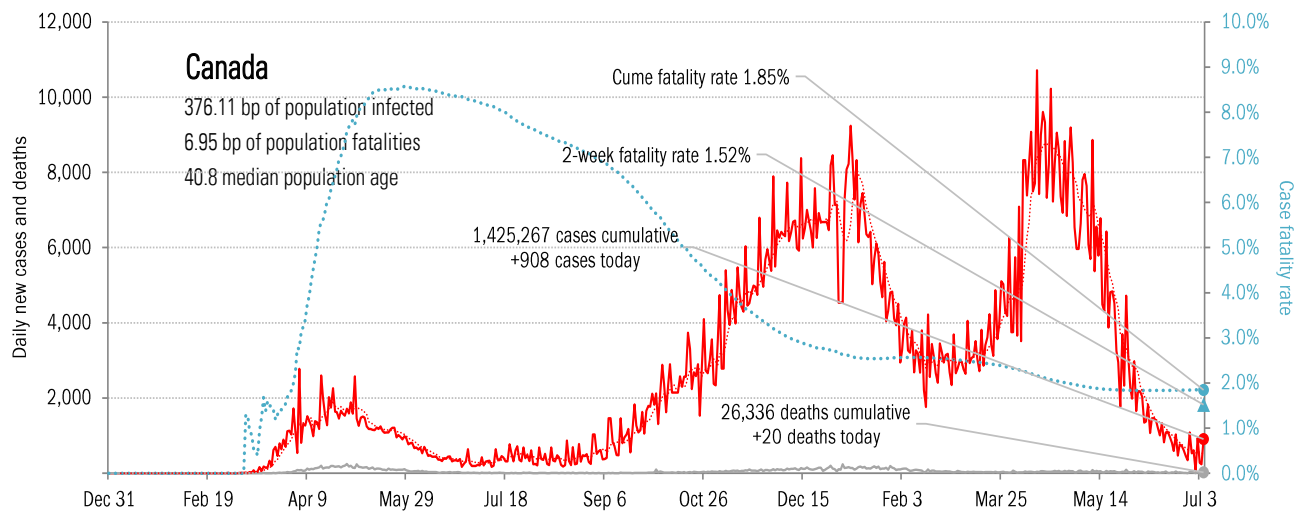
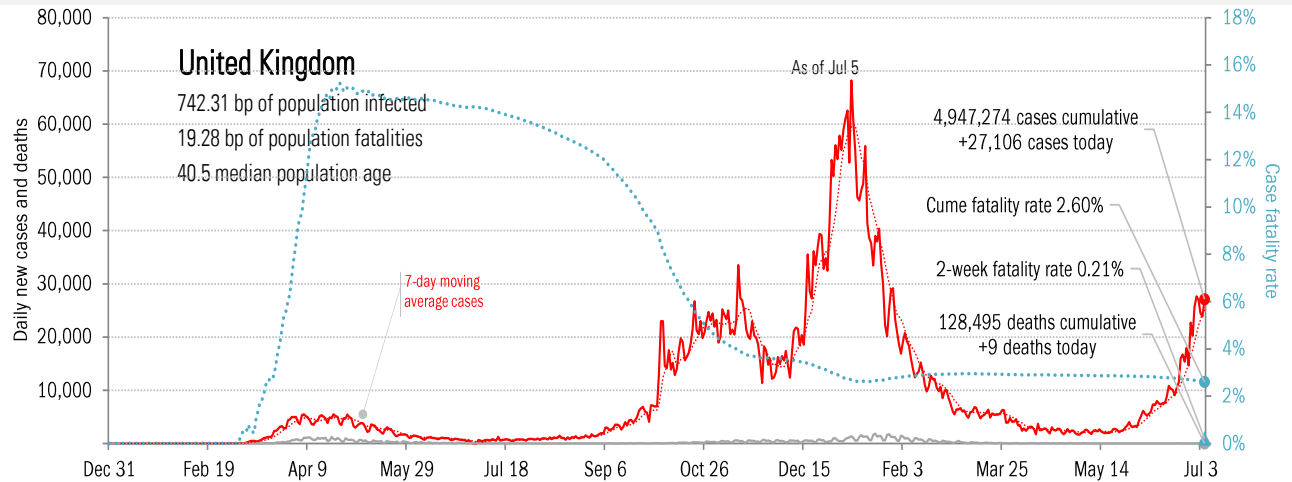
# Impact in the largest economies



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

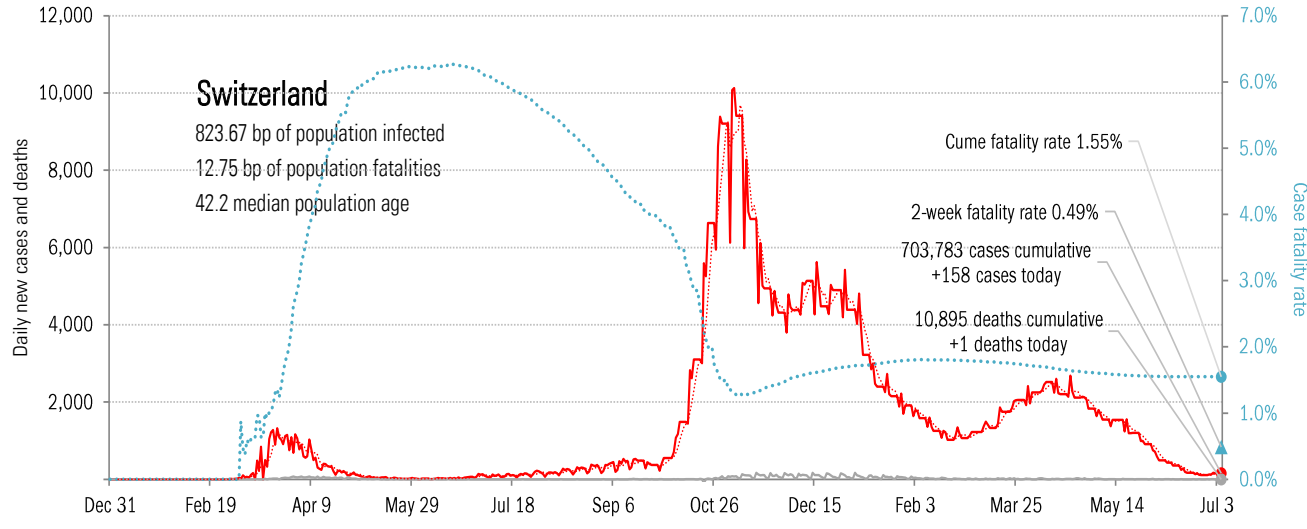
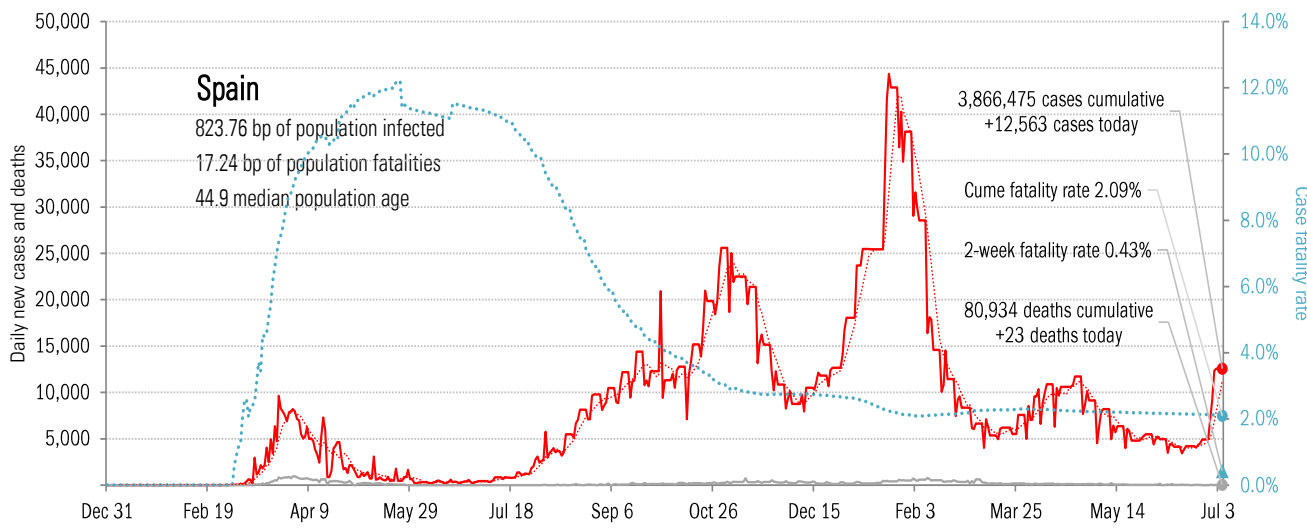
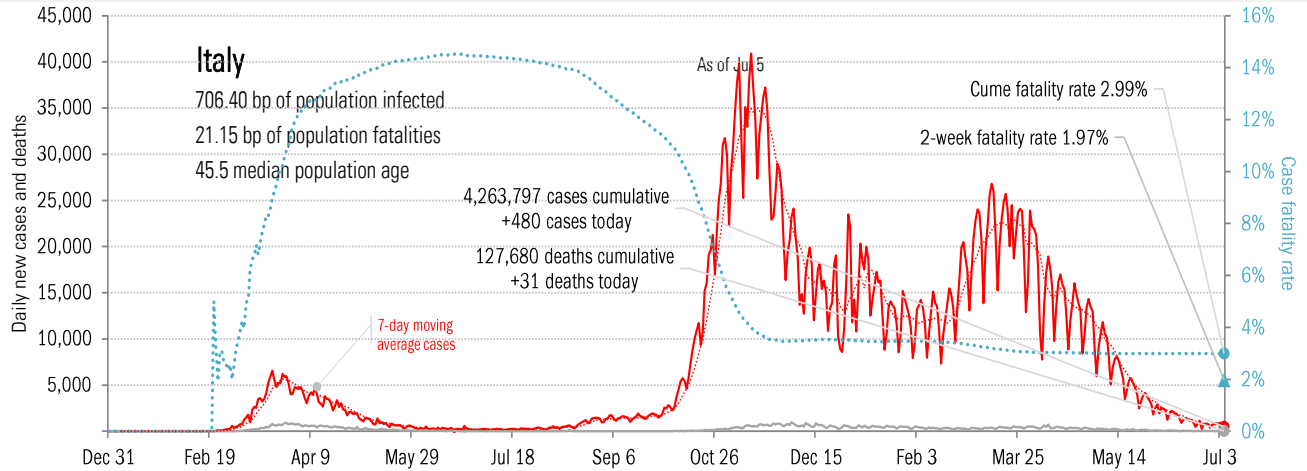


# Impact in The Anglosphere



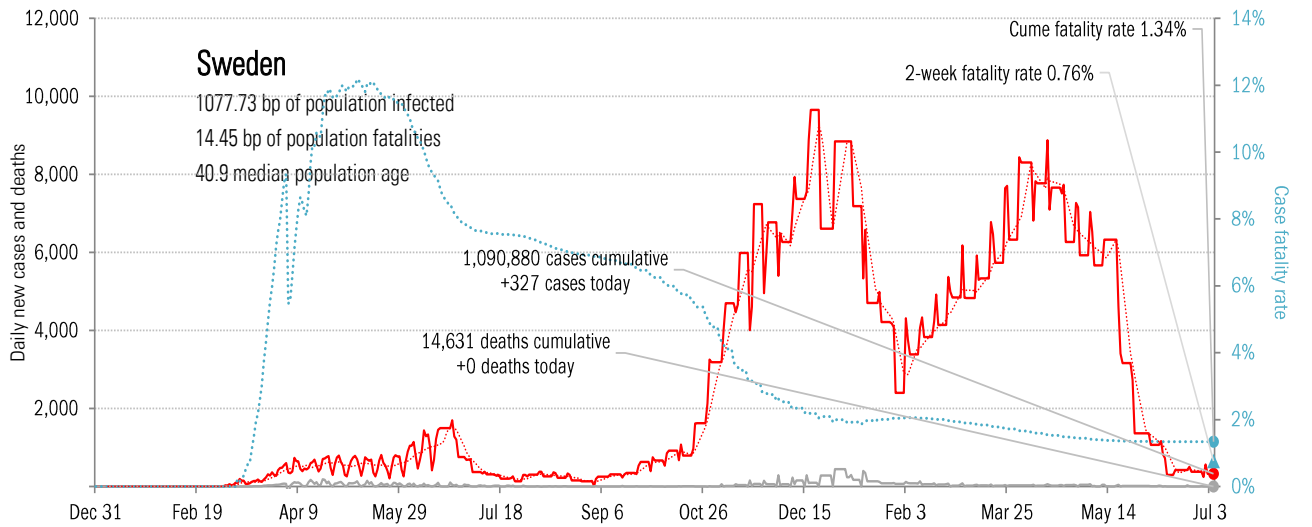
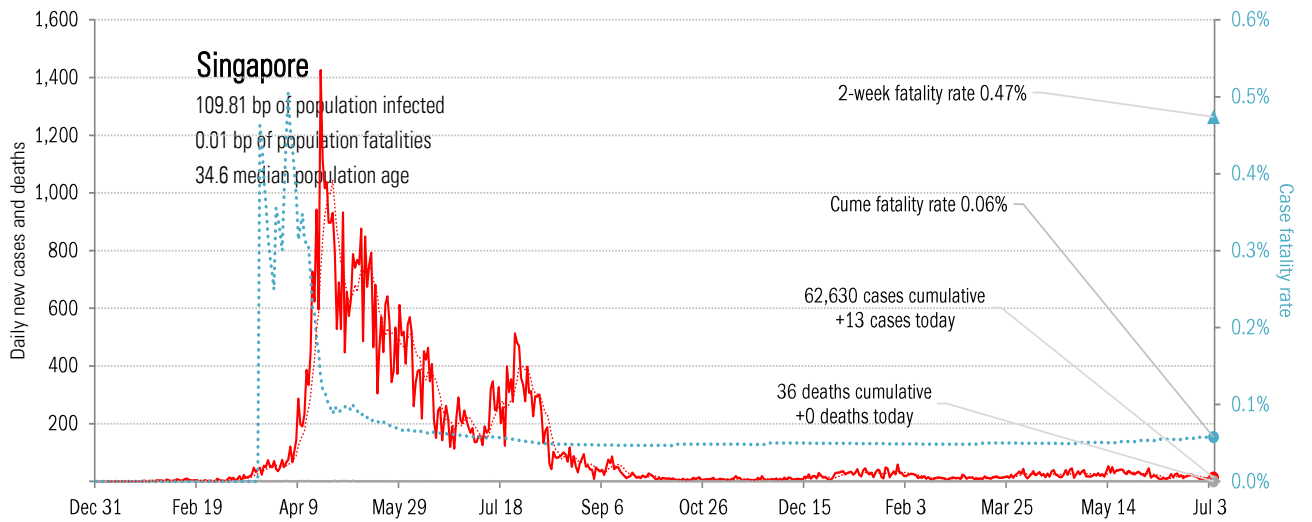
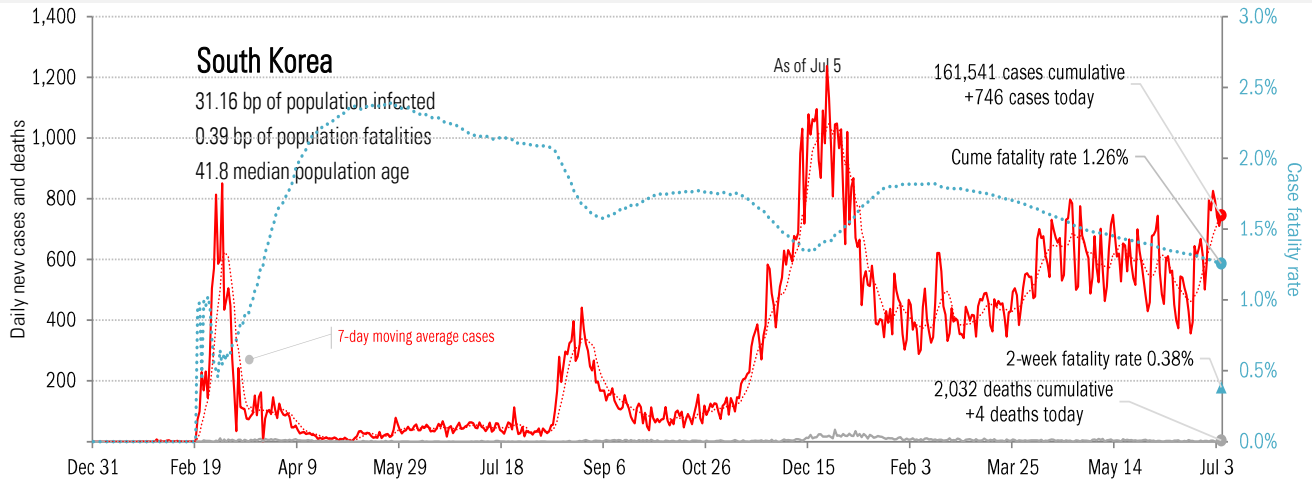
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe



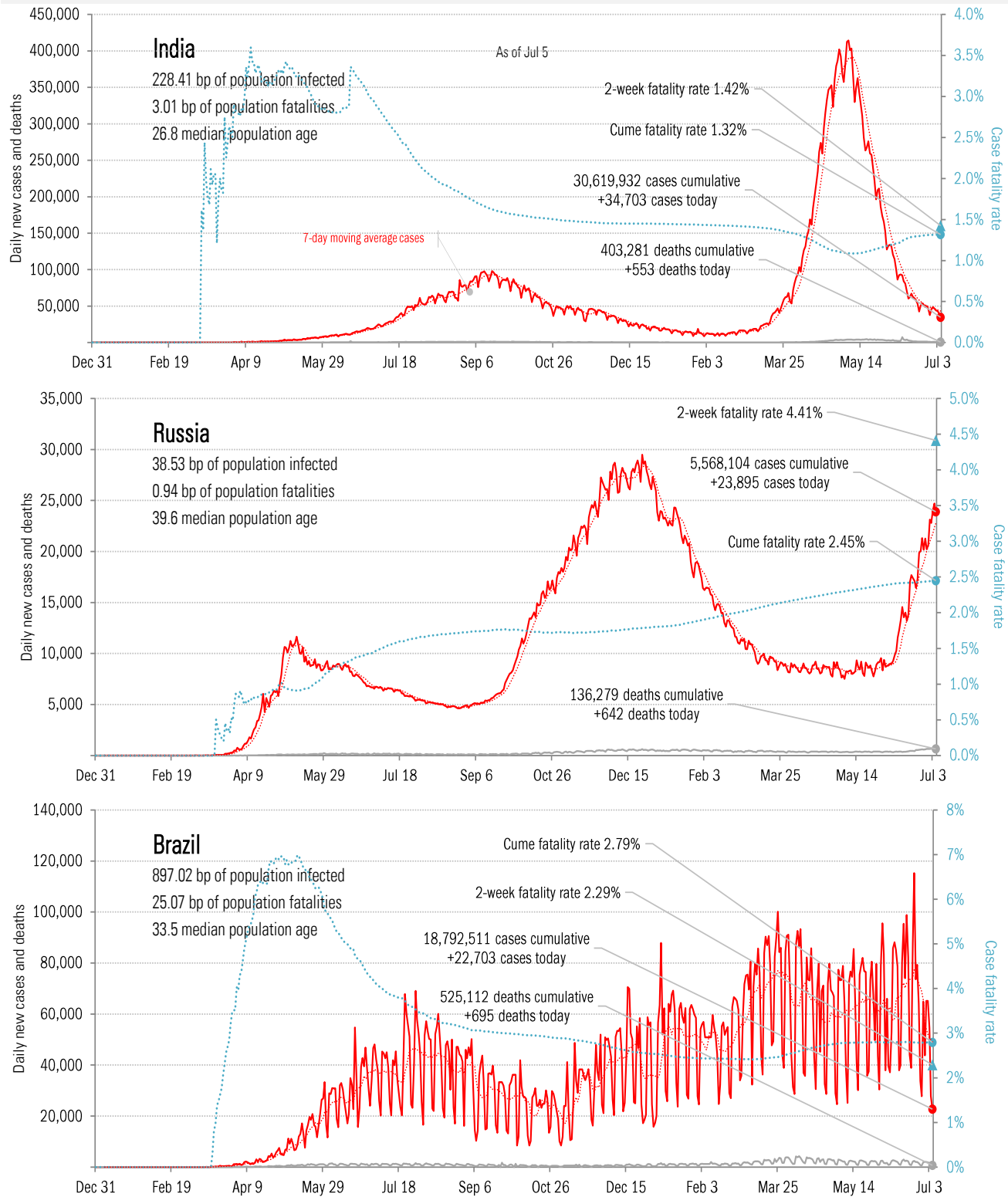
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



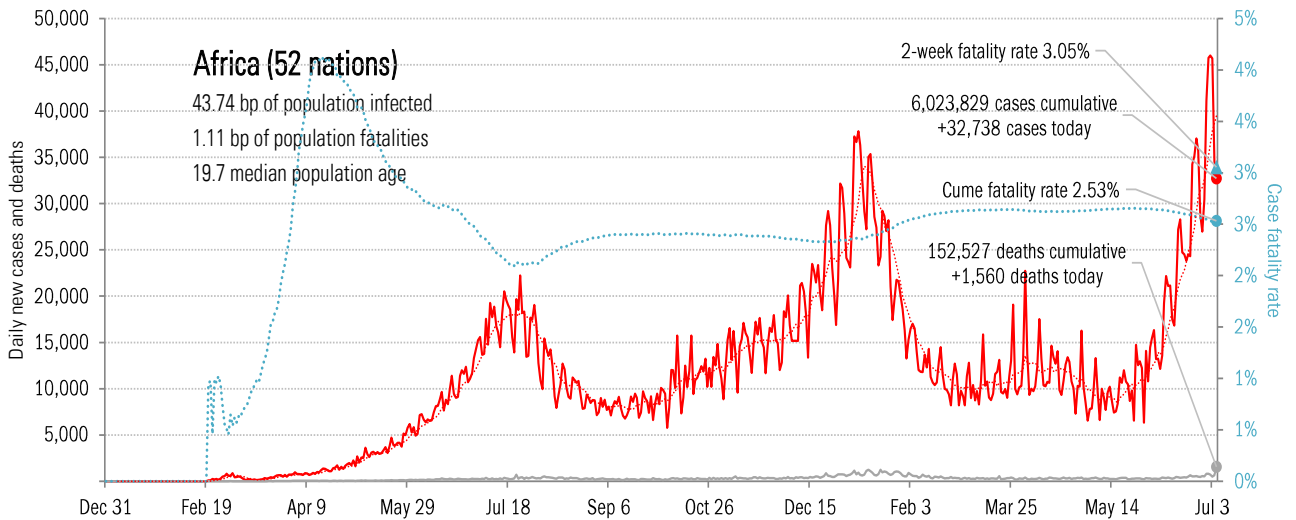
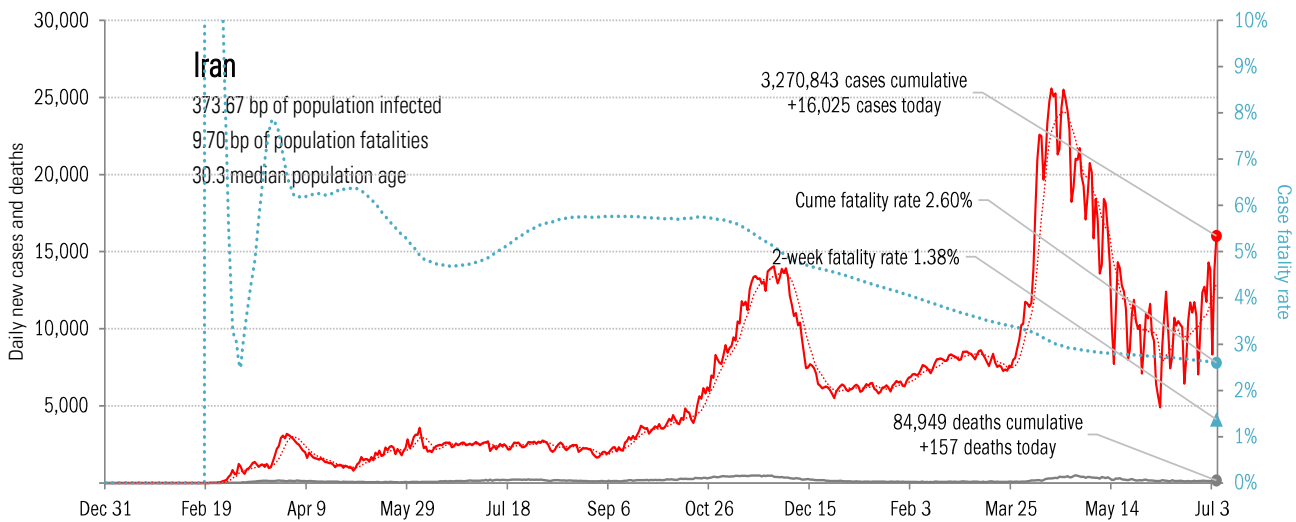
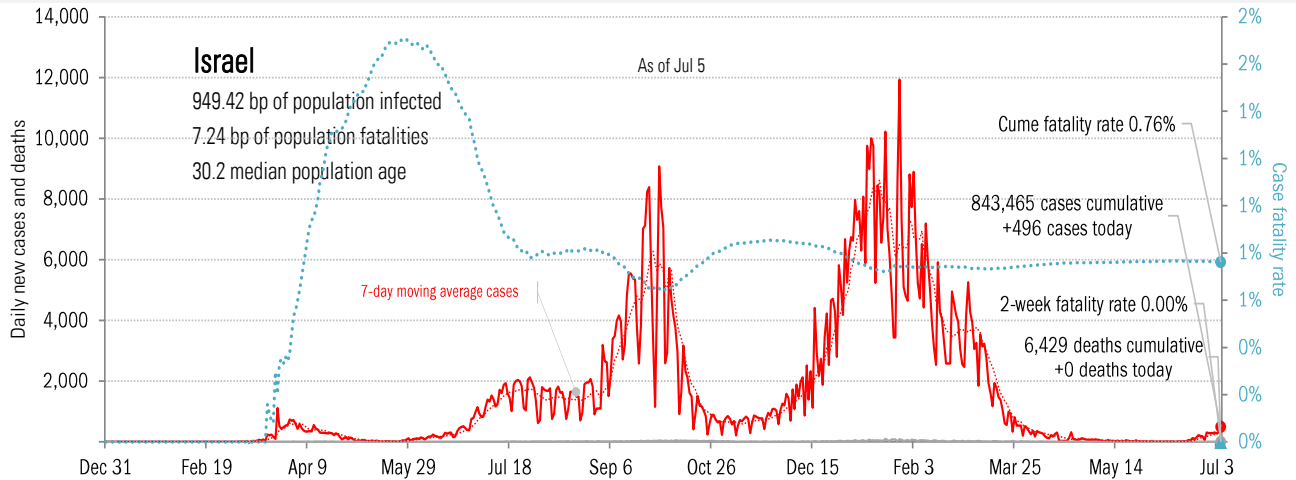
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



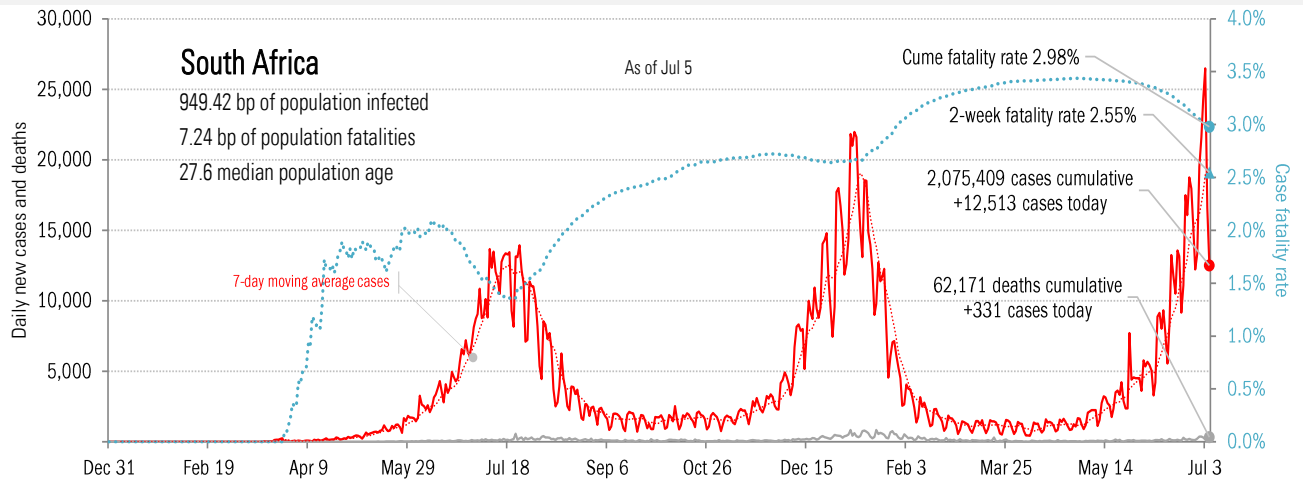
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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