

Data Insights: Covid-2019 Monitor

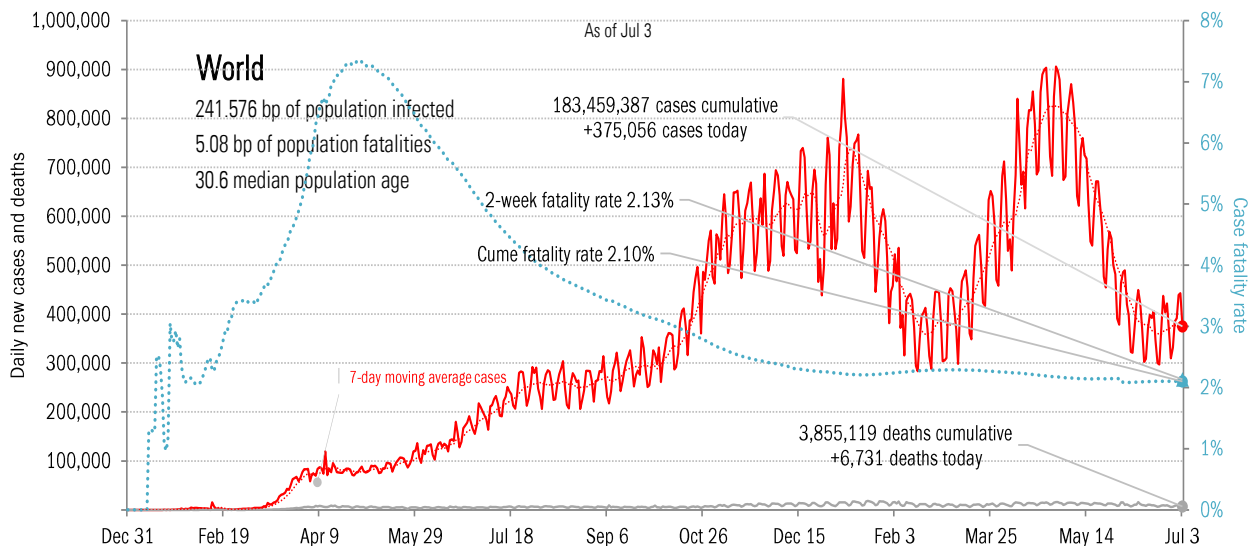
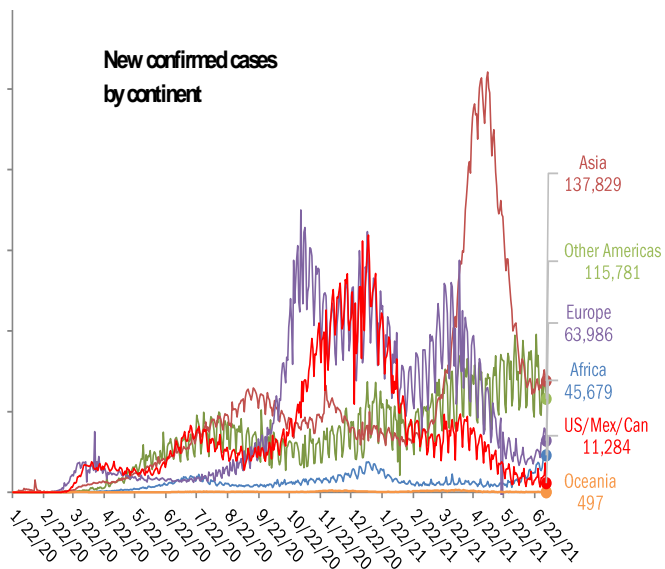
Sunday, July 4, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+54,556	Brazil	+1,635
India	+43,071	India	+955
Indonesia	+27,913	Russia	+685
Colombia	+26,928	Colombia	+591
South Africa	+26,485	United States	+505
United Kingdom	+24,465	Indonesia	+493
Russia	+24,003	Argentina	+212
Argentina	+14,034	South Africa	+175
Iran	+8,341	Chile	+164
Malaysia	+6,658	Mexico	+152
+256,454		+5,567	
World	+375,056	World	+6,731
Top ten	68%	Top ten	83%

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

The US scorecard

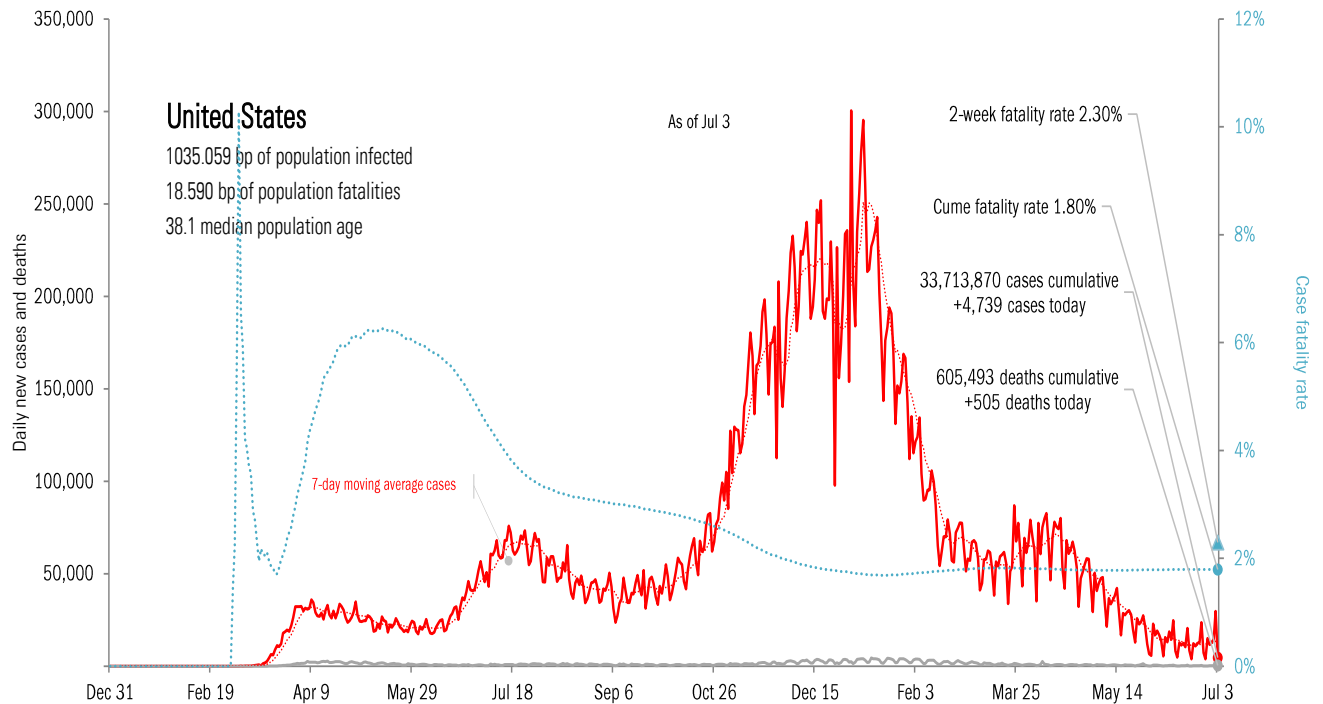
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+3,819		FL	+35		TX	+57		CA	3,820,442		CA	63,651		TX	255,227		RI	92%	MO	18%
TX	+1,187		TX	+20		FL	+53		TX	3,004,465		NY	53,692		CA	241,196		MA	84%	AR	15%
CA	+780		AZ	+14		NV	+41		FL	2,375,459		TX	52,473		FL	188,774		AL	84%	UT	14%
AZ	+645		CO	+12		CA	+28		NY	2,116,166		FL	37,960	#N/A	0	MO	82%	NV	11%		
CO	+452		PA	+9		NY	+21		IL	1,392,552		PA	27,704		GA	246,492		MD	82%	WA	9%
NY	+286		MO	+8		AZ	+16		PA	1,217,288		NJ	26,472		PA	91,888		PA	82%	TX	9%
MO	+229		MN	+5		GA	+9		GA	1,135,526		IL	25,678		CH	88,127		WV	79%	CO	8%
CH	+201		NJ	+5		WA	+9		CH	1,112,289		GA	21,443		IL	82,815		CT	79%	AK	8%
NJ	+190		IA	+4		MO	+8		NJ	1,024,113		MI	21,009		KY	78,415		MI	78%	FL	7%
PA	+173		MD	+3		NE	+8		NC	1,014,359		CH	20,344	#N/A	0	MN	78%	NM	7%		
	+7,962			+115			+250			18,212,659			350,426			1,272,934					
All states	+8,558			+4			+145		All states	33,713,870			605,493			2,398,355		All states	70%		67%
Top ten	93%			2575%			172%		Top ten	54%			58%			53%		Median	72%		4%

Some states not reporting

Five most improved US states

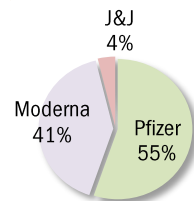
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-2,357	CA	-161	LA	-53	IN	+250 bp
MO	-944	FL	-117	OK	-25	TN	+200 bp
CA	-556	CH	-35	NJ	-20	FR	+80 bp
LA	-525	TX	-23	KY	-19	WY	+70 bp
NV	-508	GA	-15	CA	-17	MP	+50 bp



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	395,670,845				+0.433 million	US	46.9%	54.5%
Doses administered	339,657,773				+1.175 million	UK	49.2%	66.5%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	31.2%	50.3%
Total population	186,796,117	56%	161,159,058	48%	+0.733 million	Spain	39.5%	55.5%
Age 12 to 17	9,020,979	36%	6,869,826	27%	+0.093 million	Germany	37.6%	55.2%
Age 18 to 64	127,613,943	63%	109,653,716	54%	+0.541 million	Italy	32.8%	57.3%
Age 65 and over	49,938,608	91%	44,507,753	81%	+0.099 million	Australia	7.1%	24.8%



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 **120 days** by Oct 30, 2021

59.7% of population >18 immunized
11.5% previously tested positive
71.2% vs 60% adult herd immunity*

Global data differs from sources, timing

AK
60.9%
49.7%
43.6%

ME	NH
72.9%	71.6%
66.7%	62.9%
61.9%	56.7%

<table border="1"> <tr><th>WI</th></tr> <tr><td>55.4%</td></tr> <tr><td>53.9%</td></tr> <tr><td>49.9%</td></tr> </table>	WI	55.4%	53.9%	49.9%	<table border="1"> <tr><th>VT</th></tr> <tr><td>78.3%</td></tr> <tr><td>74.1%</td></tr> <tr><td>65.9%</td></tr> </table>	VT	78.3%	74.1%	65.9%	<table border="1"> <tr><th>MA</th></tr> <tr><td>74.0%</td></tr> <tr><td>70.7%</td></tr> <tr><td>62.0%</td></tr> </table>	MA	74.0%	70.7%	62.0%																																
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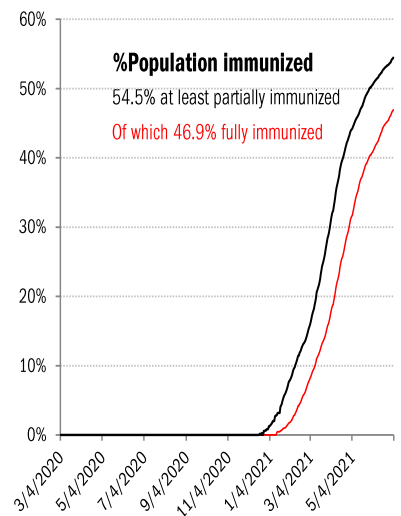
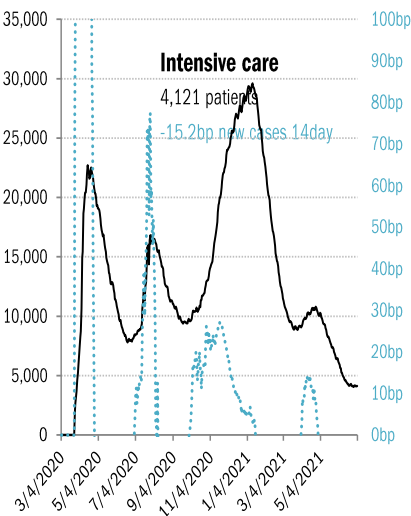
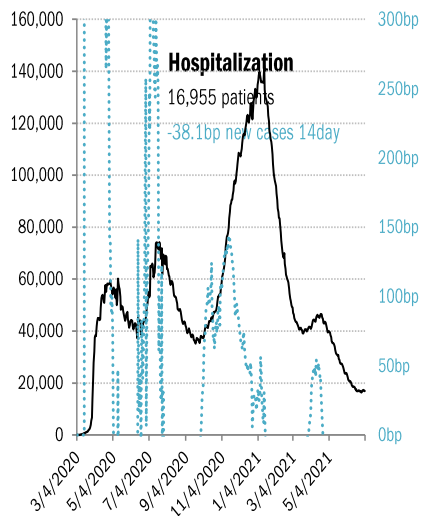
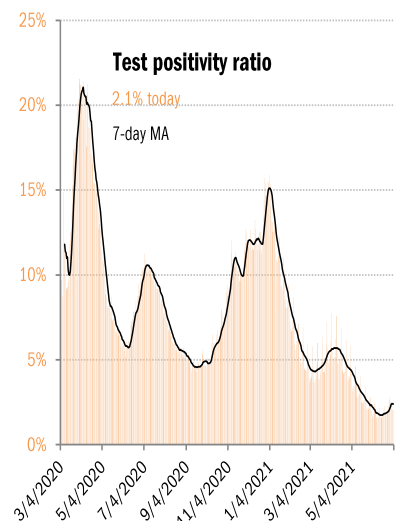
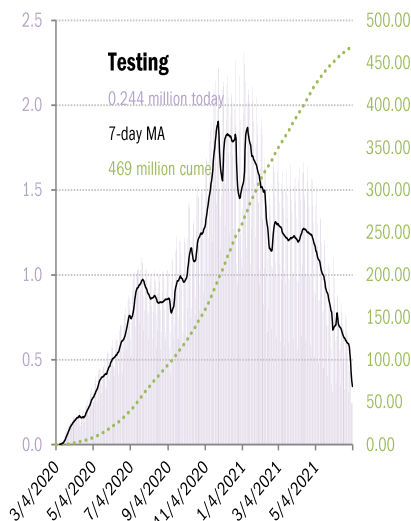
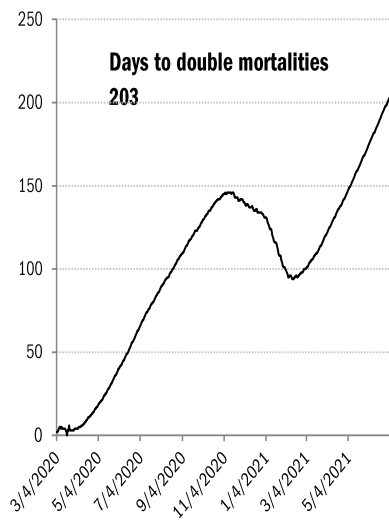
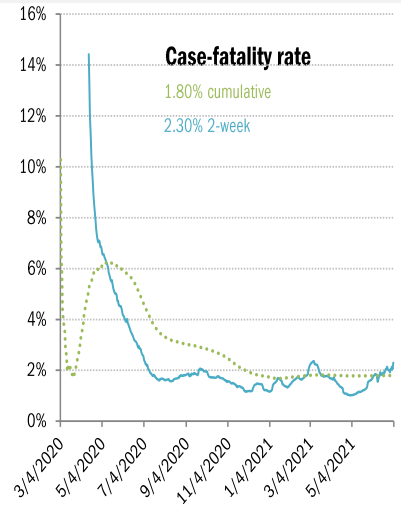
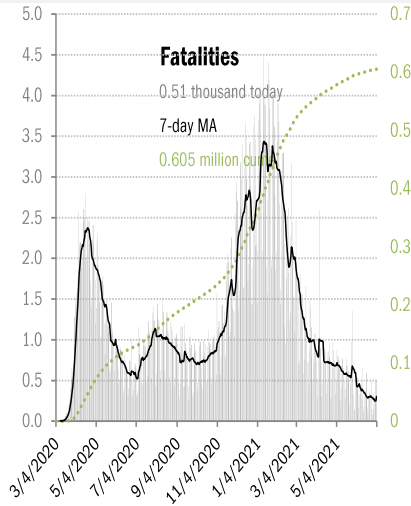
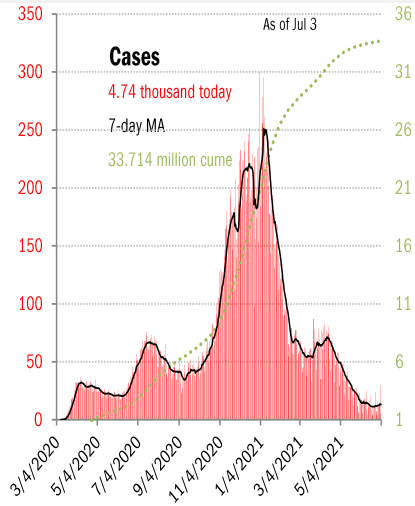
As of Jul 3

* 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

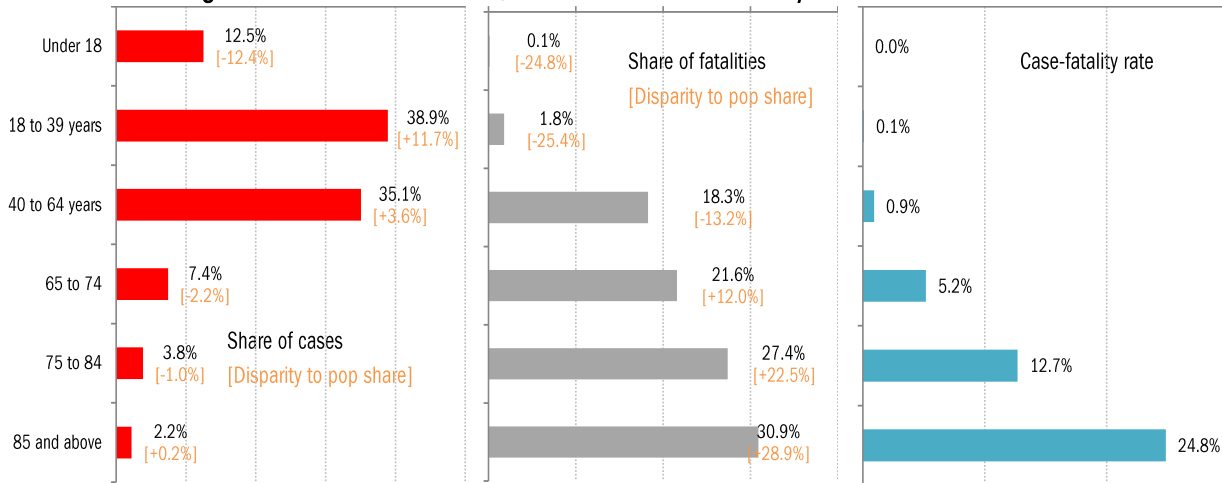
US deep-dive

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

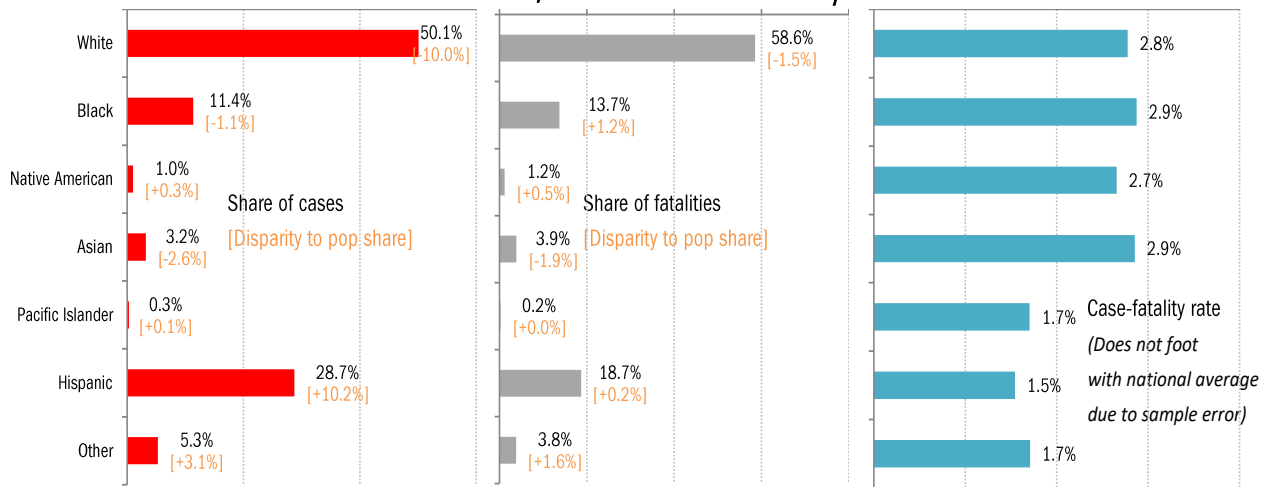


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

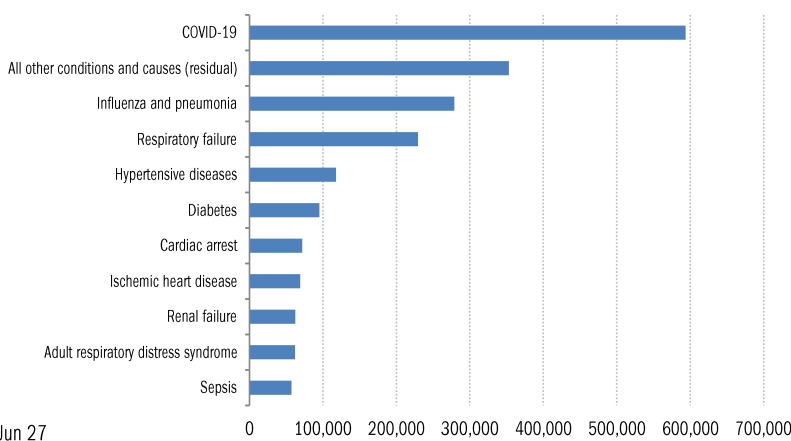


Racial distribution of US cases, fatalities and case-fatality rates Cumulative



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

[Pandemic Wave of Automation May Be Bad News for Workers](#)

Ben Casselman
New York Times
July 3, 2021

[Wall Street Wants Bankers Back in the Office. Especially Gen Zers.](#)

Patrick Thomas and David Benoit
Wall Street Journal
July 3, 2021

[‘Wasting my breath’: Southern faith leaders wary of promoting vaccines](#)

Dan Goldberg
Politico
July 3, 2021

Meme of the day



Are you concerned that someone you know is becoming an individual?

We care about preventing individuality on Facebook. Others in your situation have received confidential support.

i How you can help

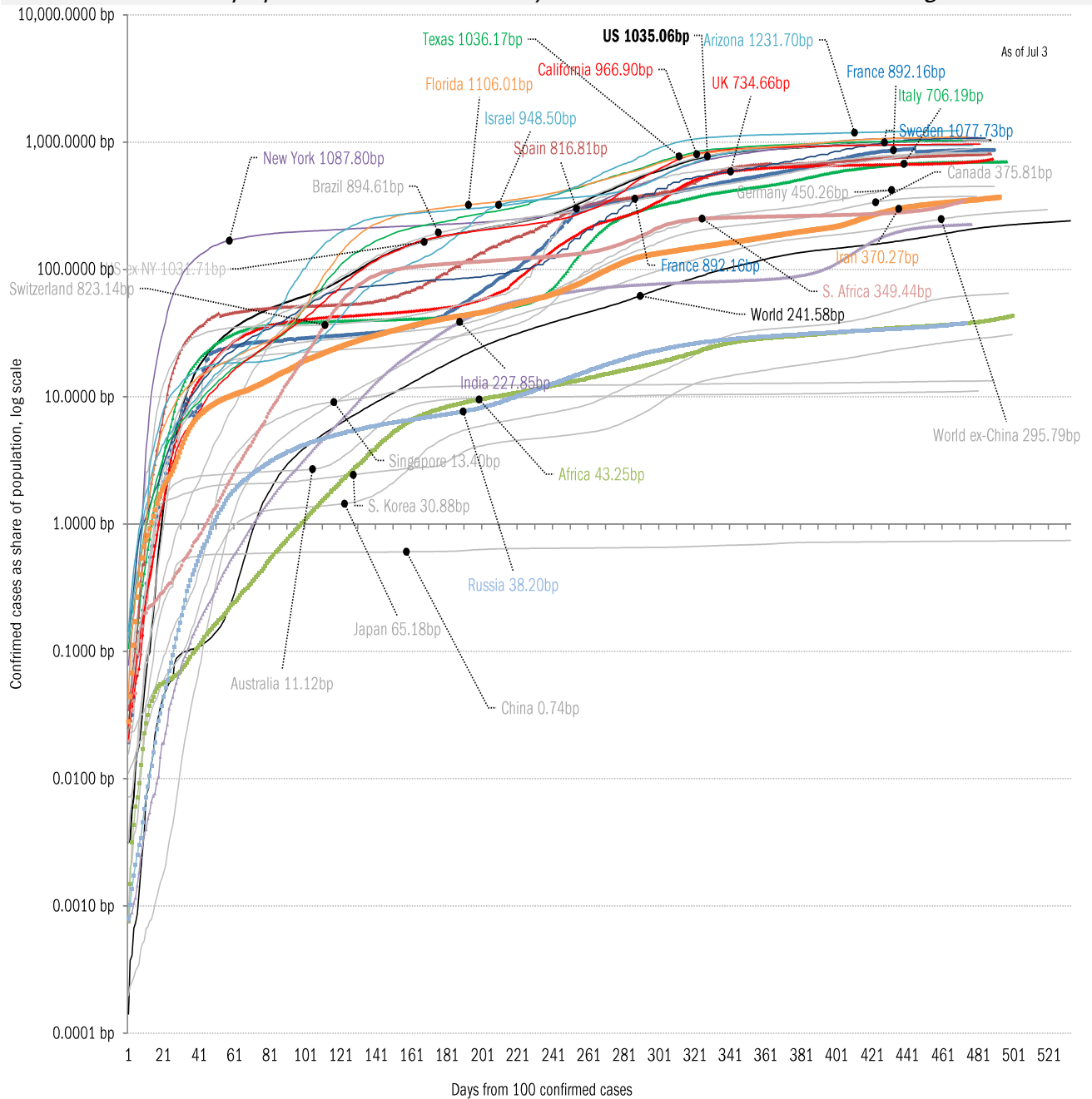
Hear stories and get advice from people who have been tempted to think independently, but have managed instead to conform to Facebook's preferred personality and temperament.

[Get Support](#)

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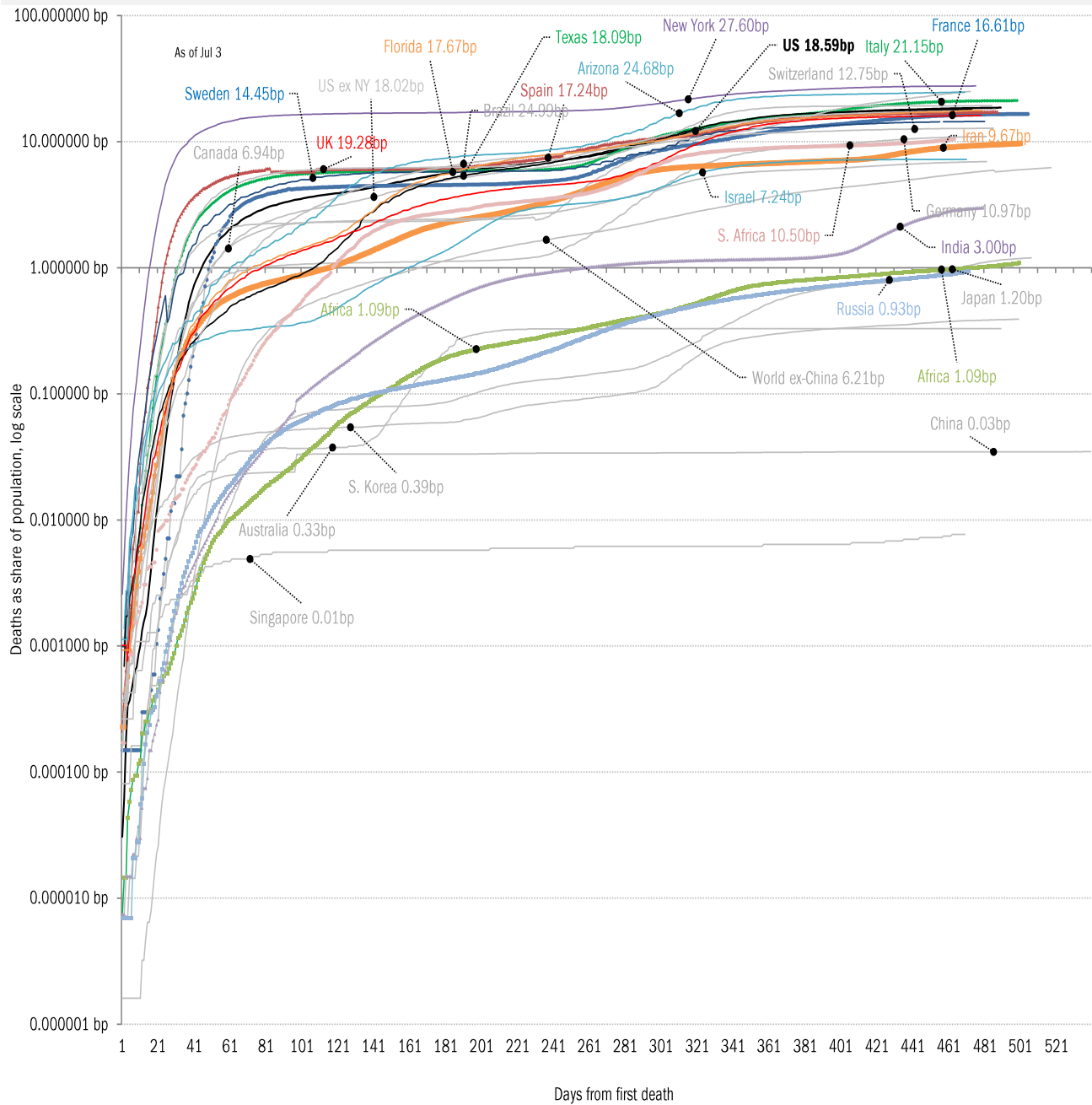
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

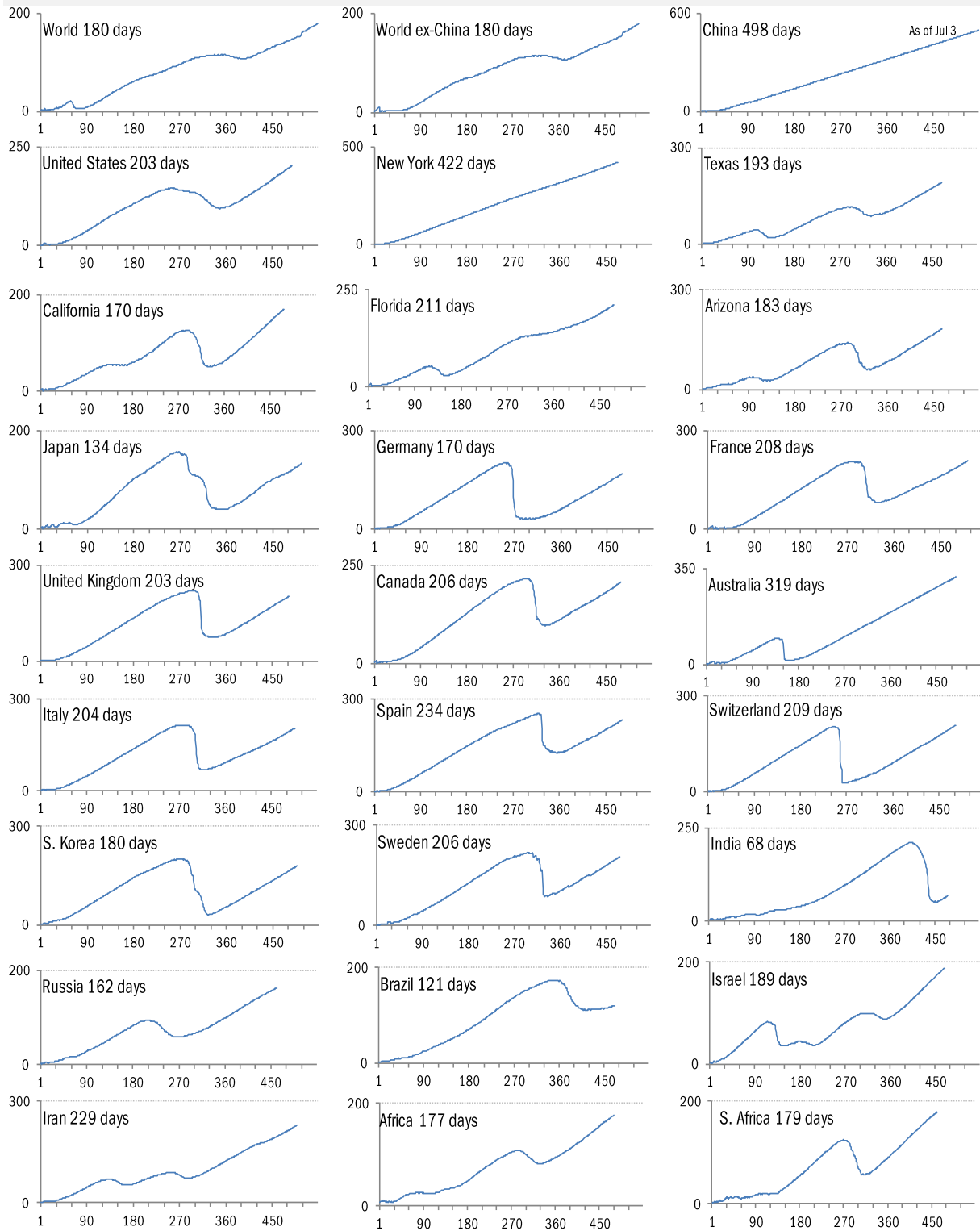


Source: [Johns Hopkins](#), TrendMacro calculations

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

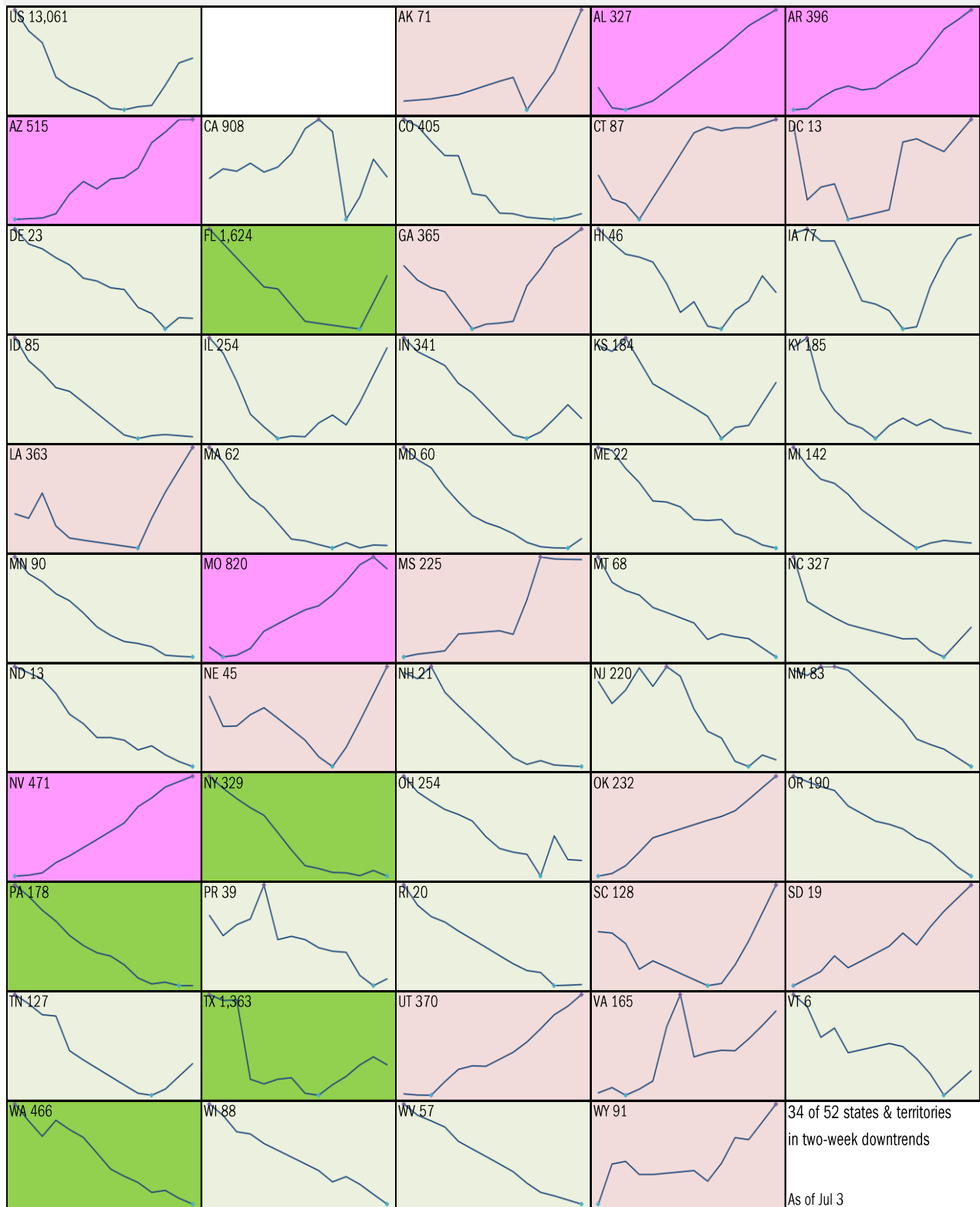
Vertical: days to double deaths Horizontal: days from first death

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

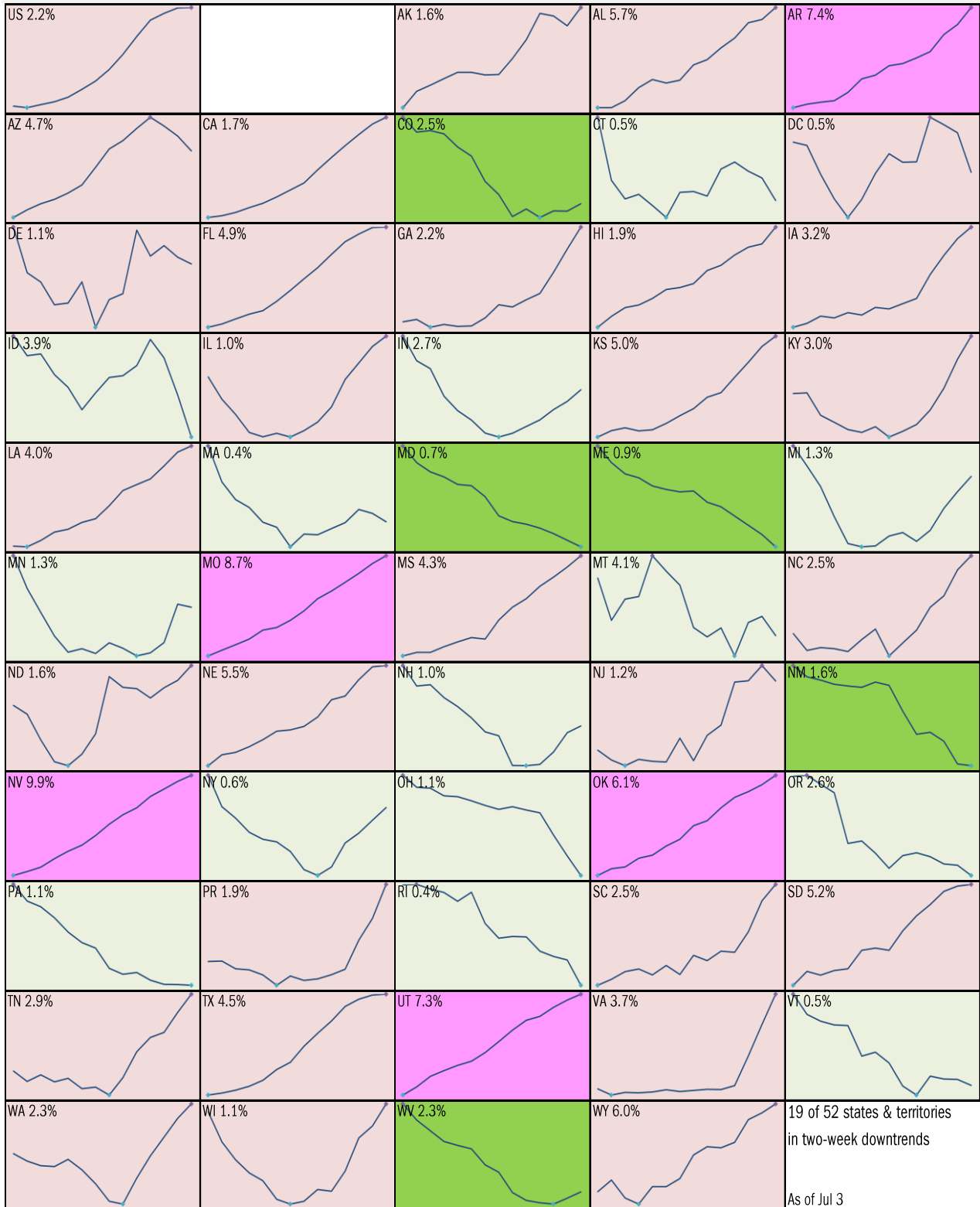


Source: [Johns Hopkins](#), TrendMacro calculations

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

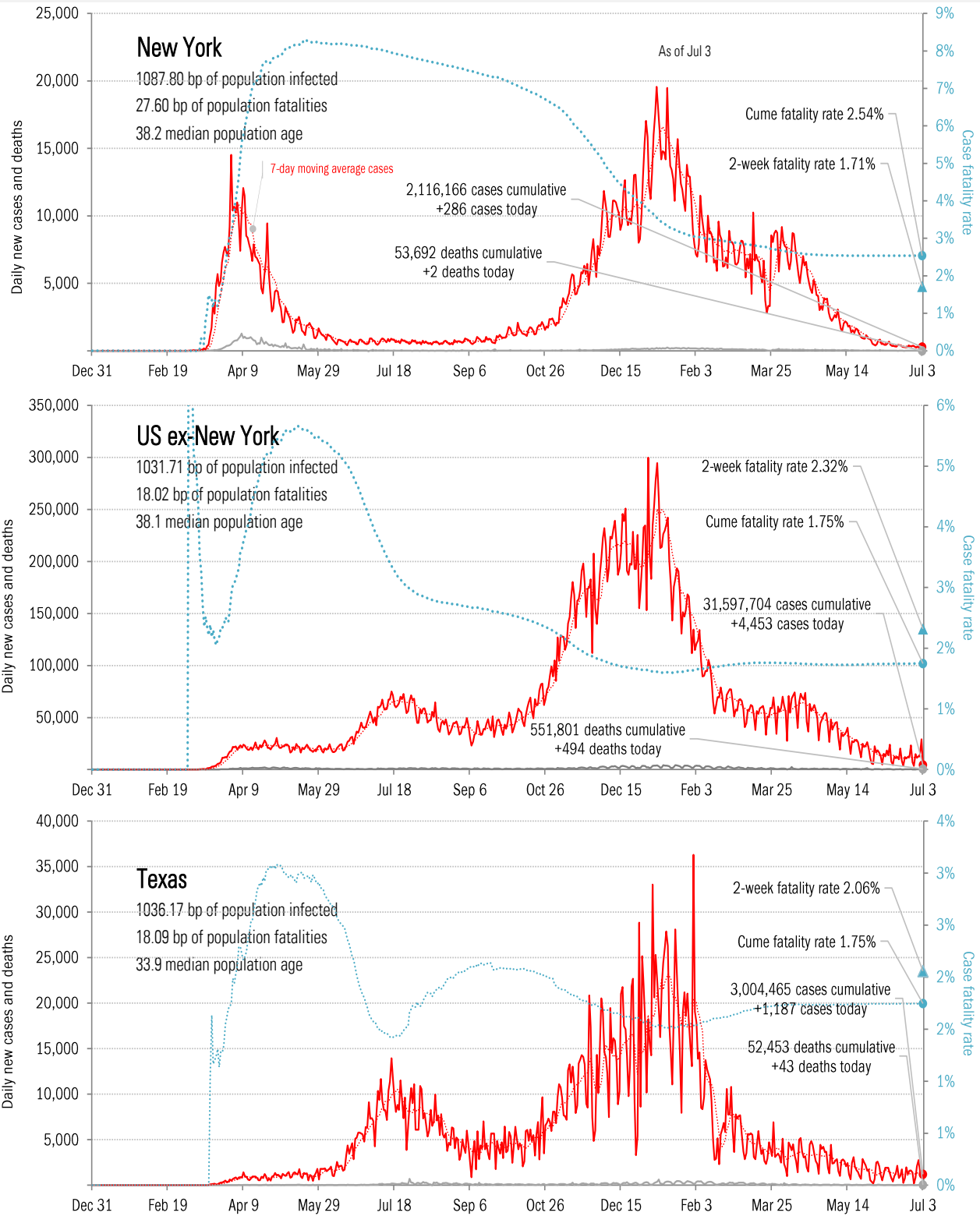
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



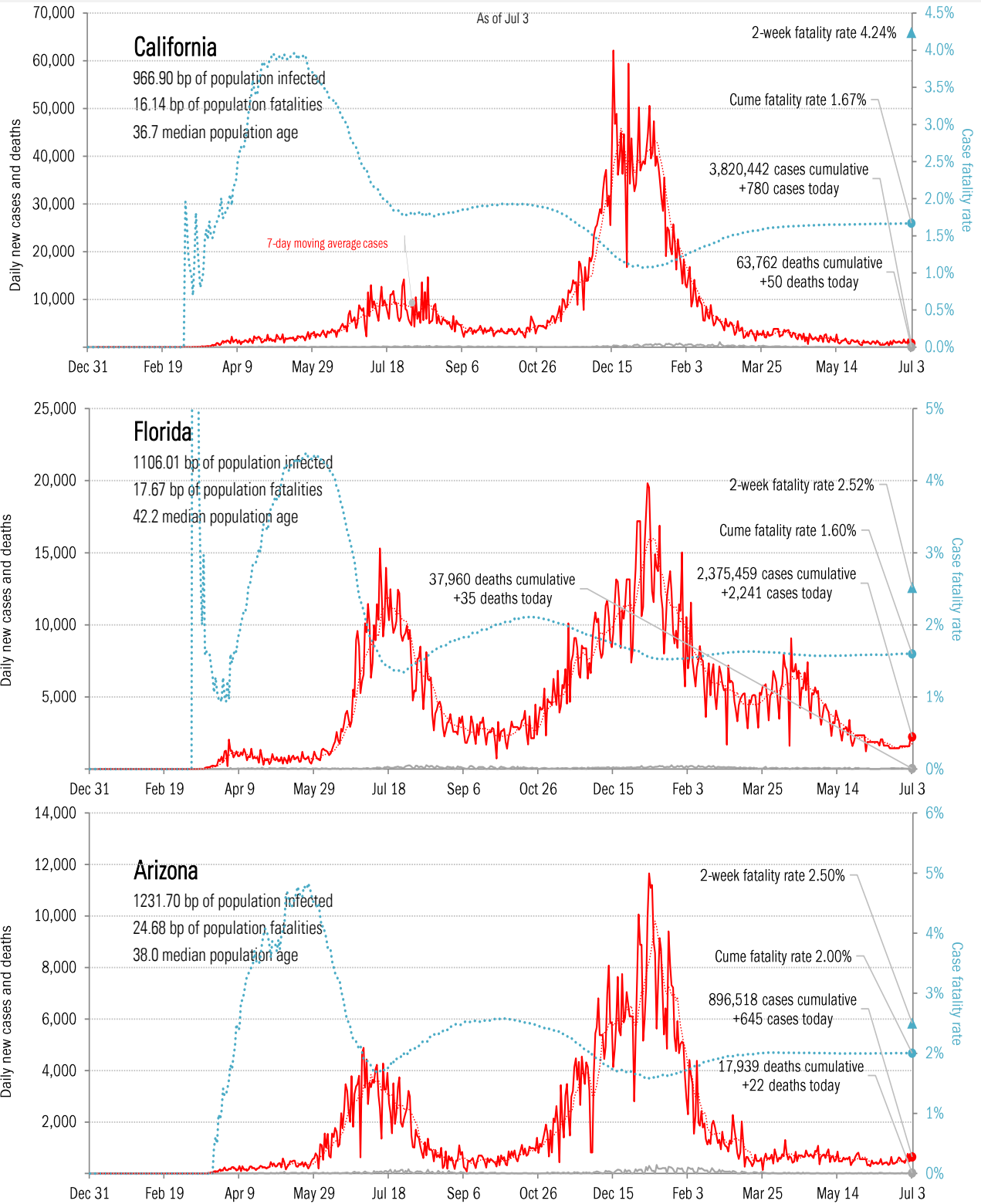
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



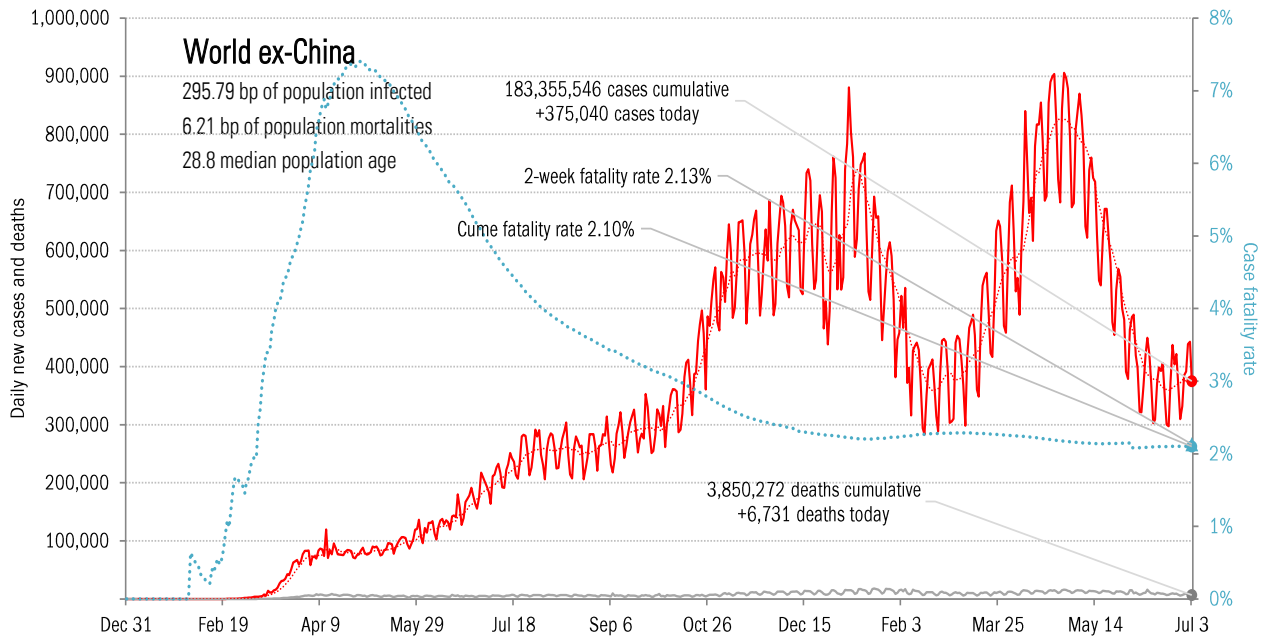
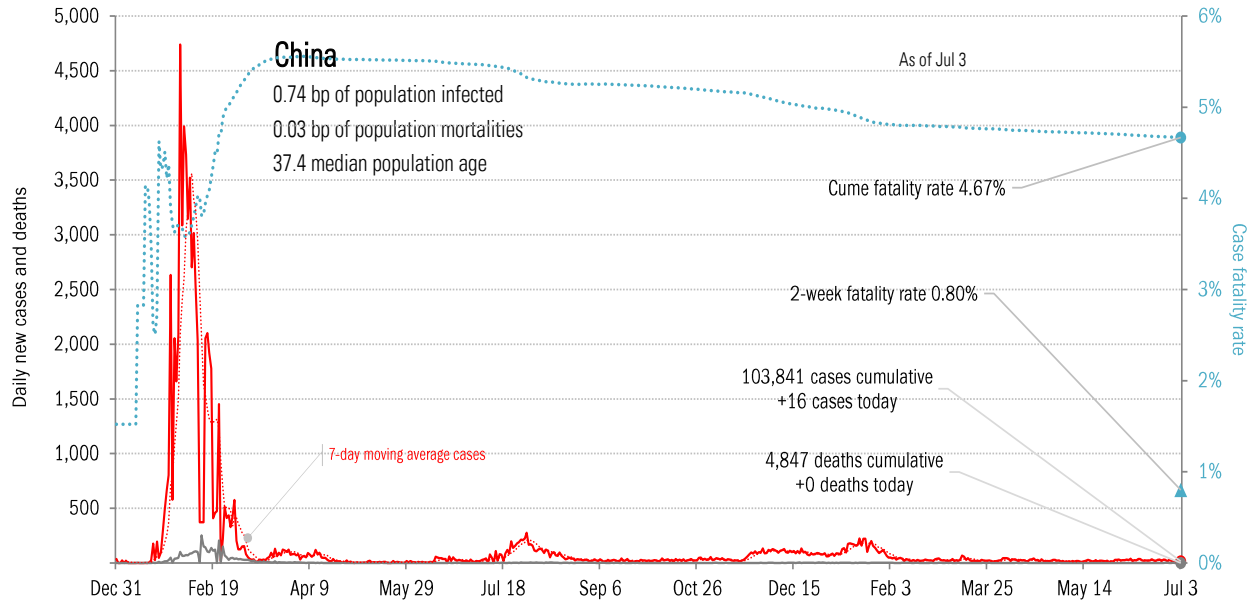
Source: [Johns Hopkins](#), TrendMacro calculations

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



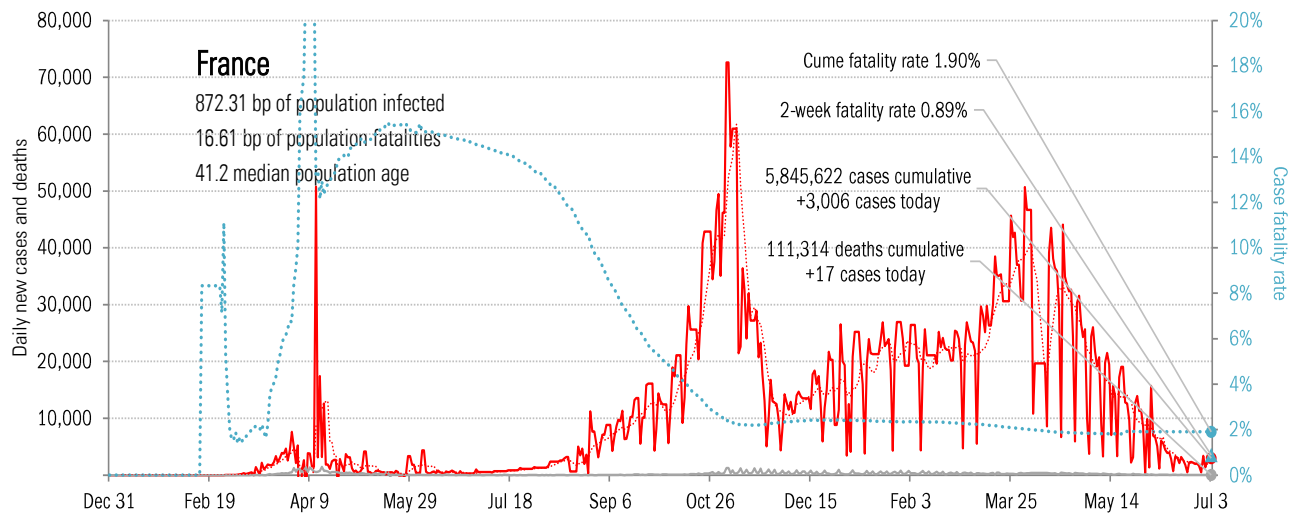
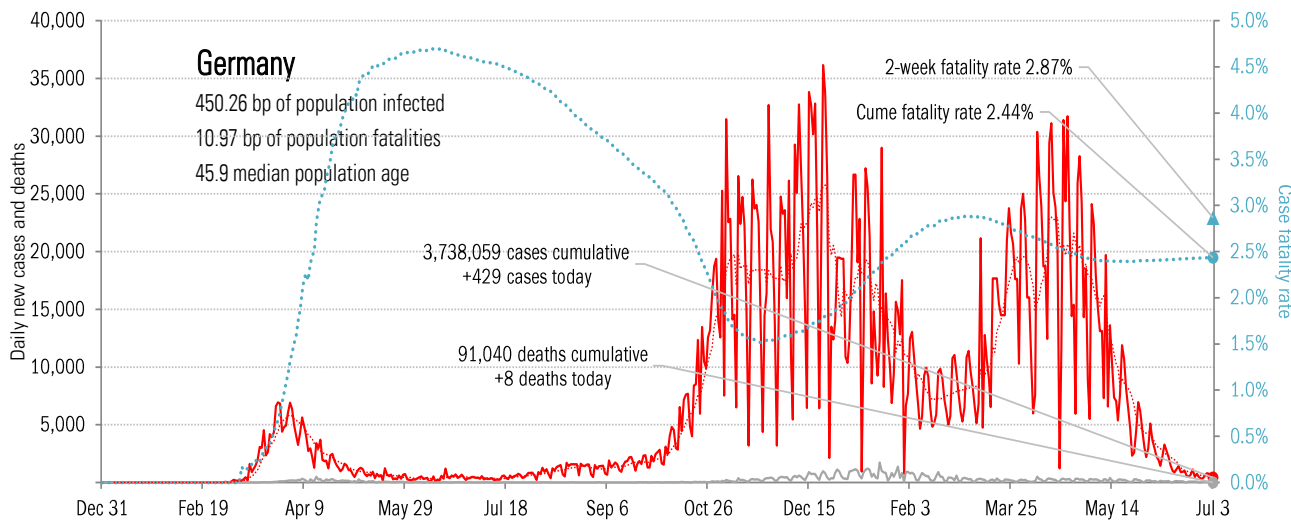
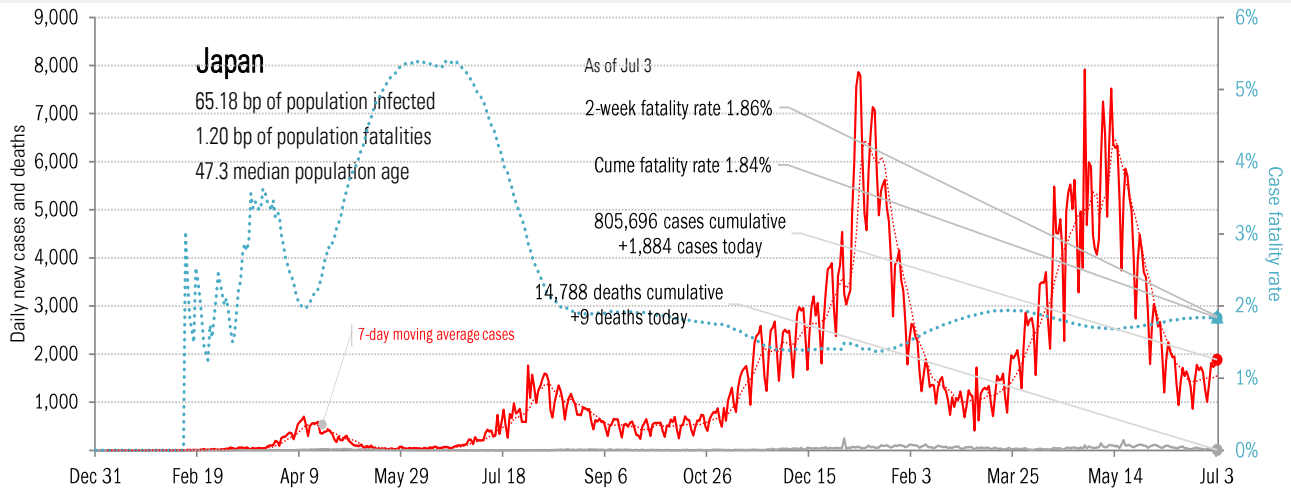
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



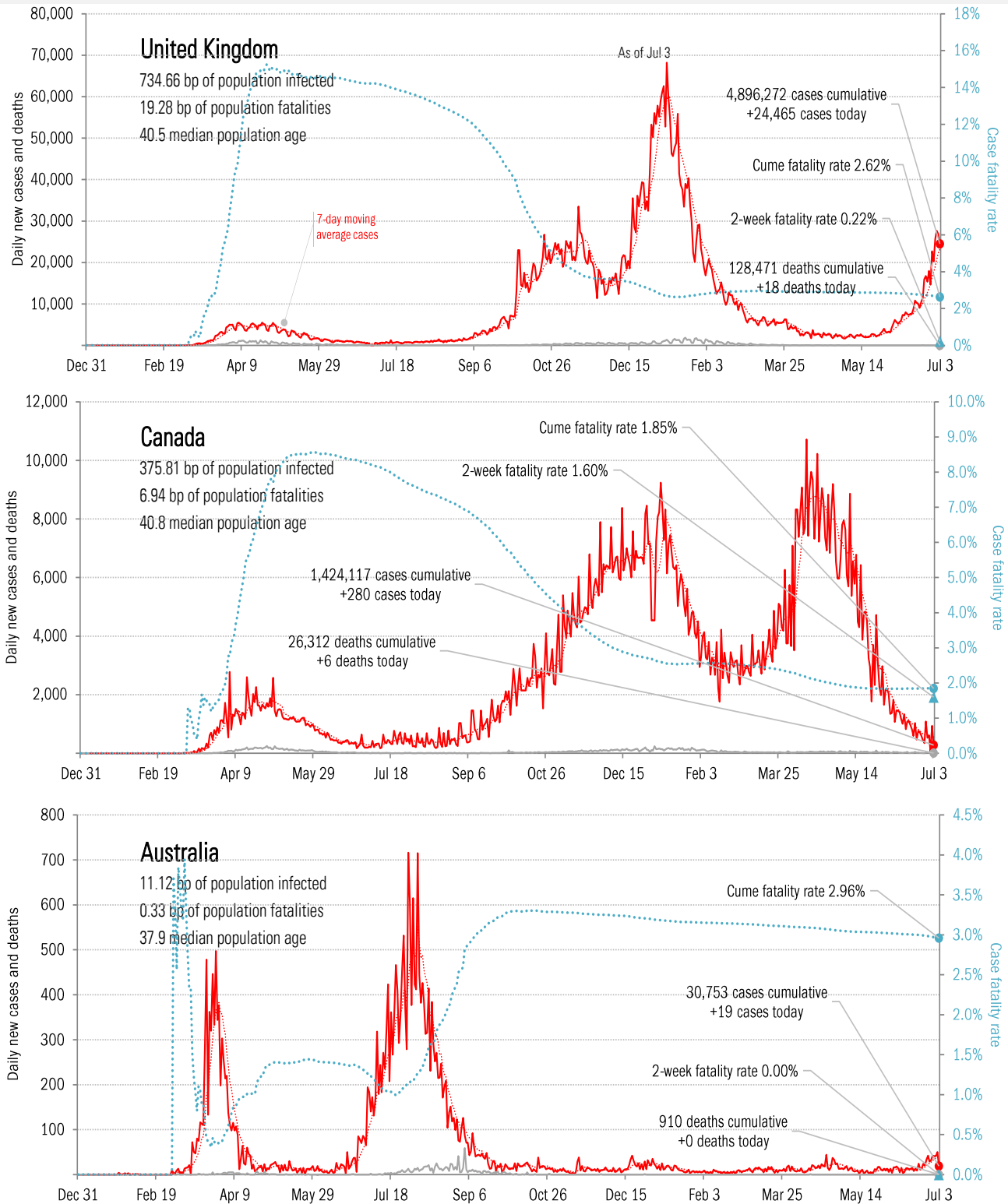
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



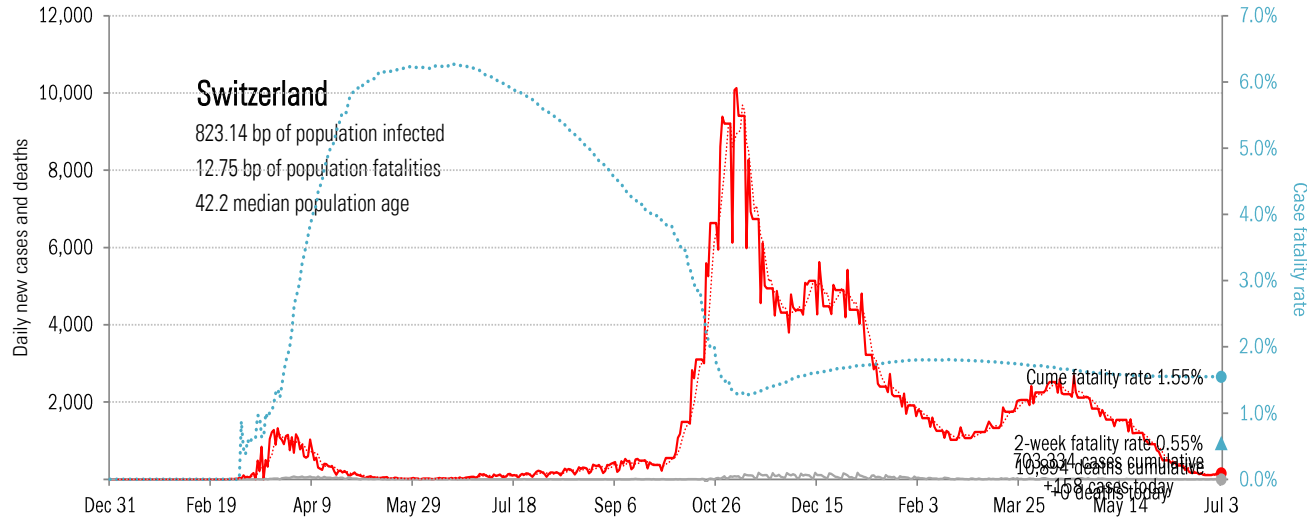
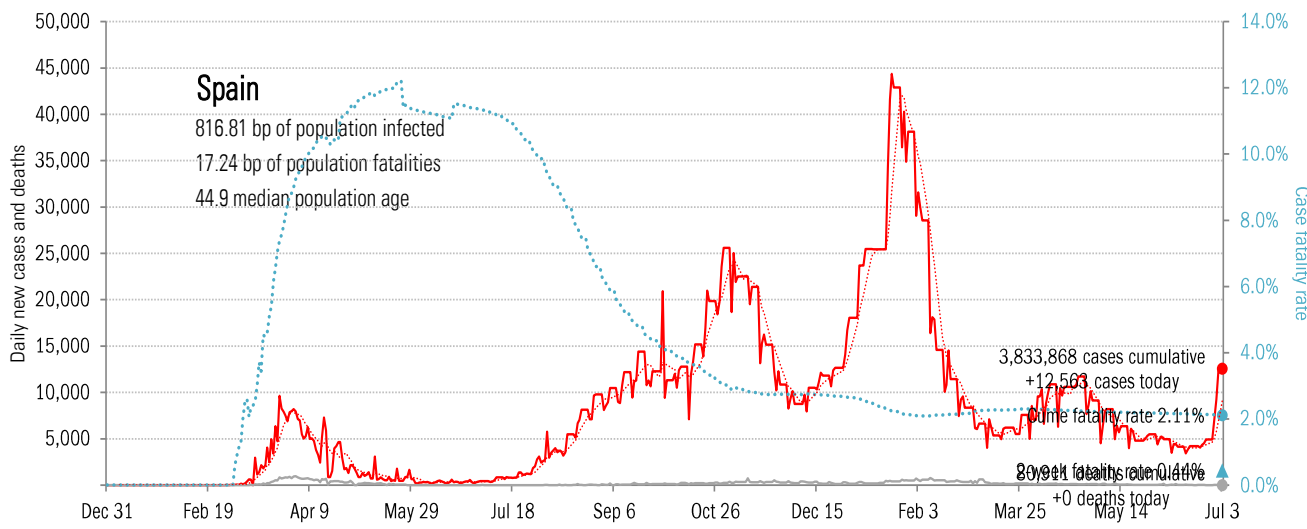
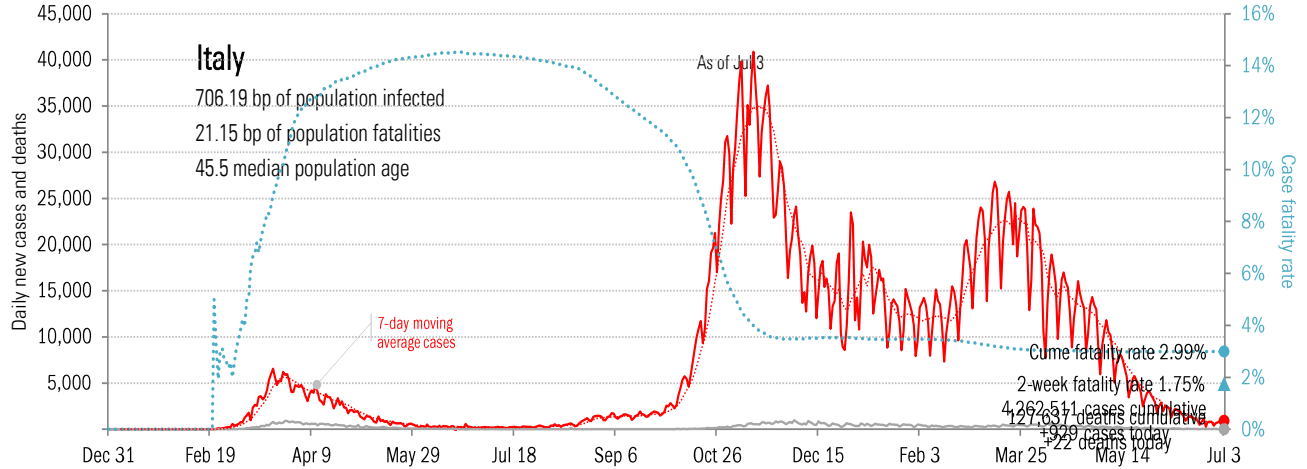
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



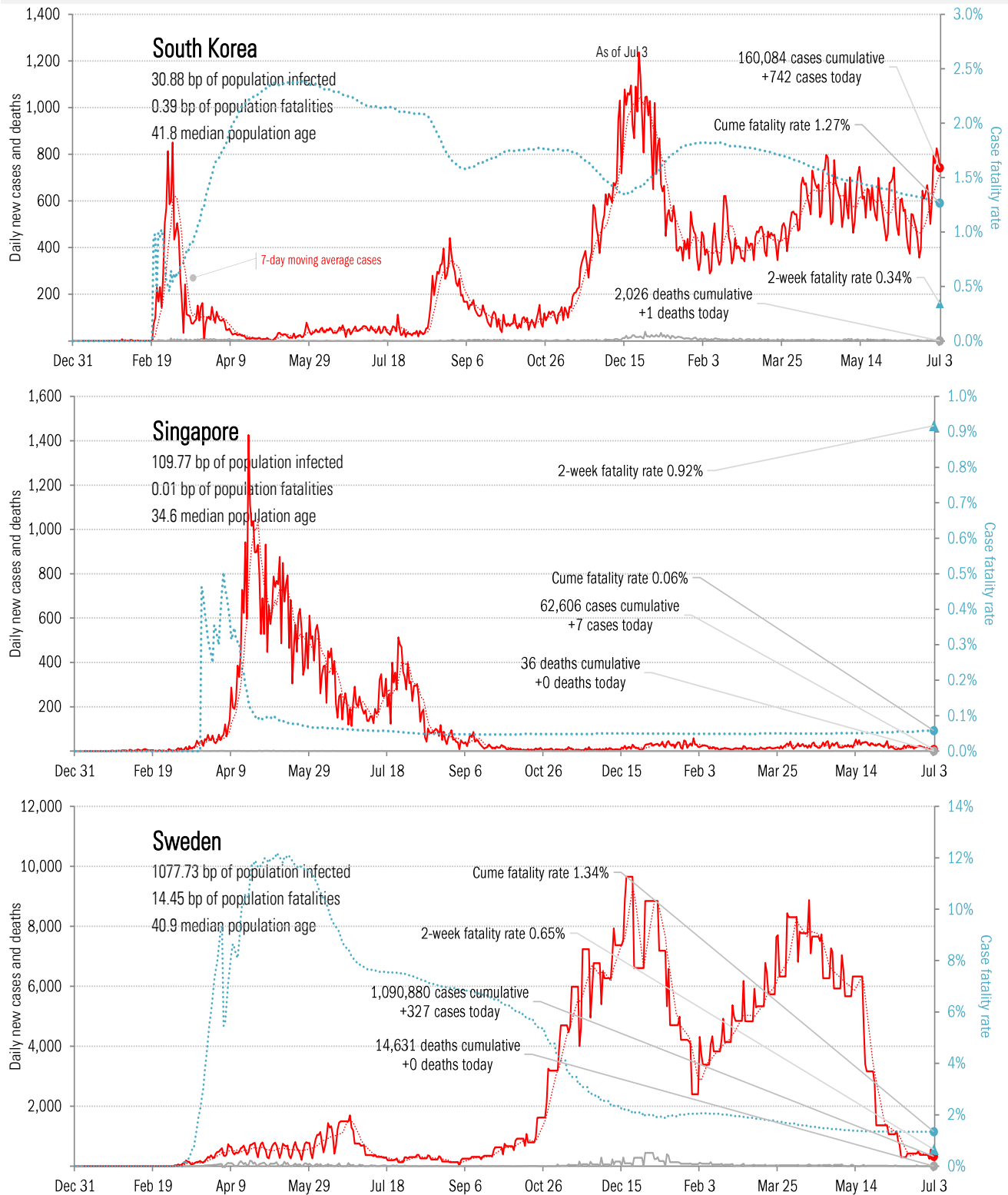
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



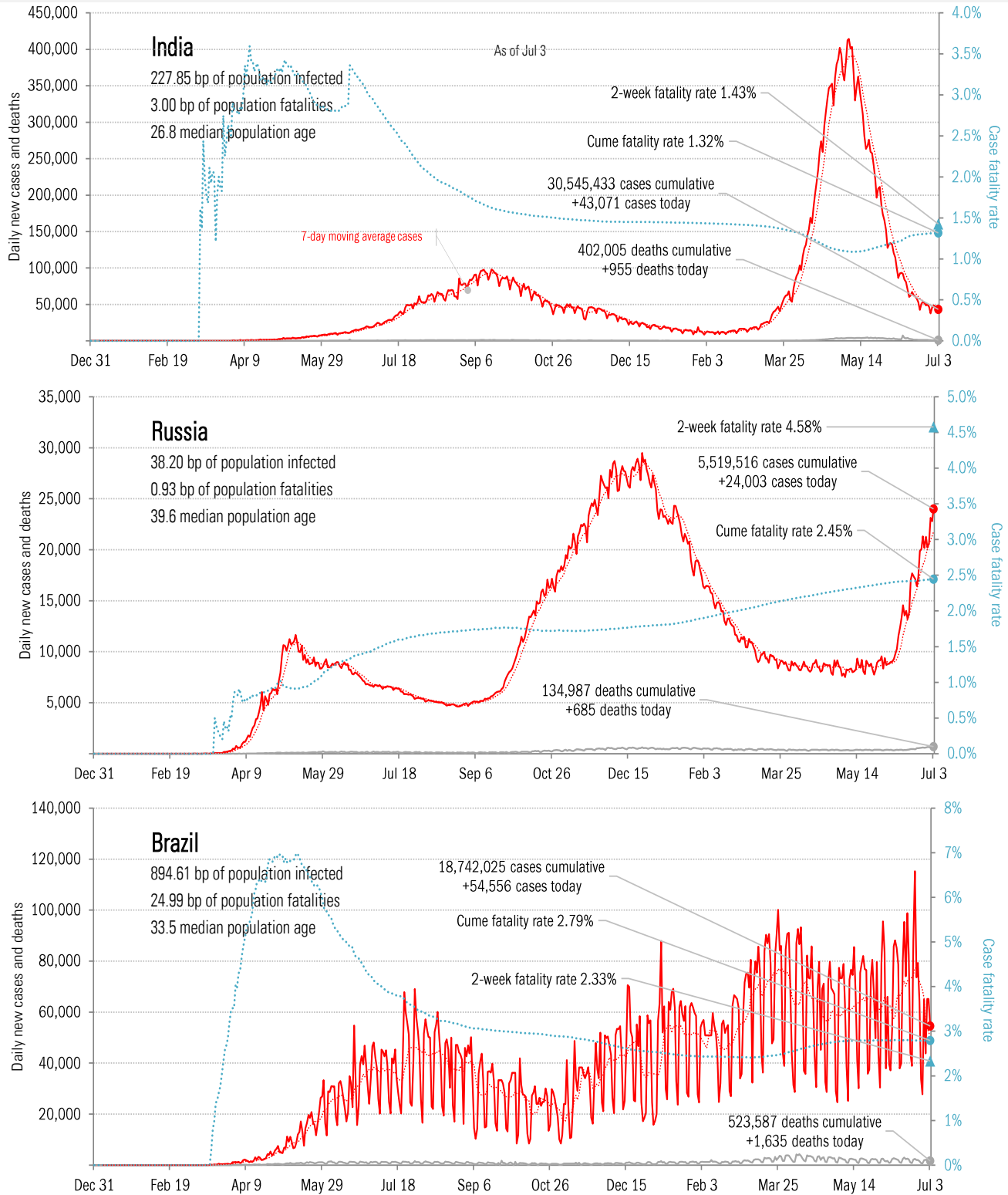
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



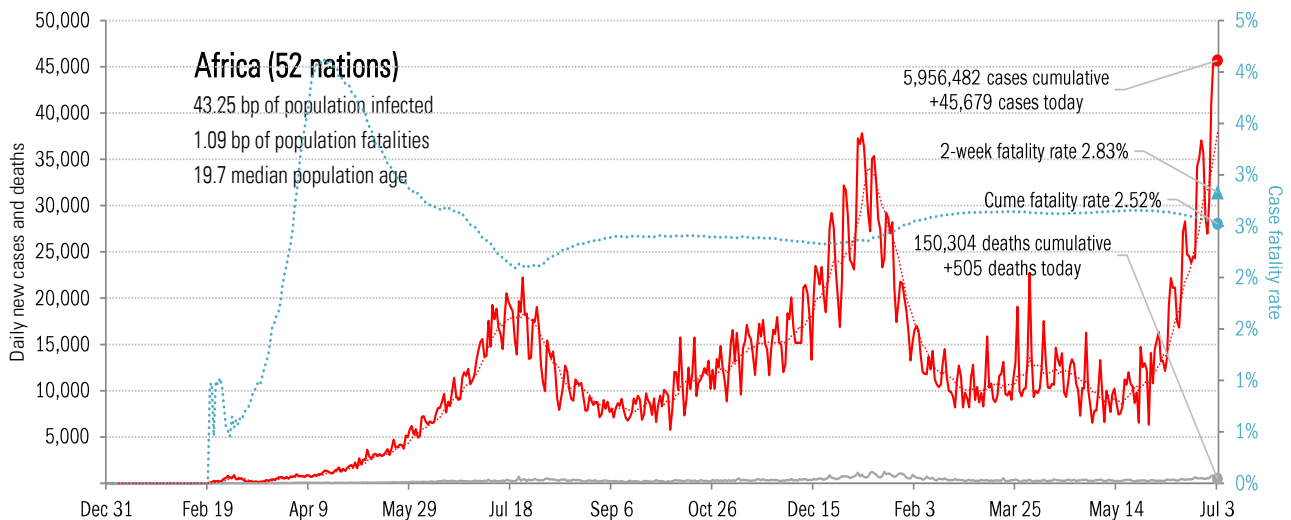
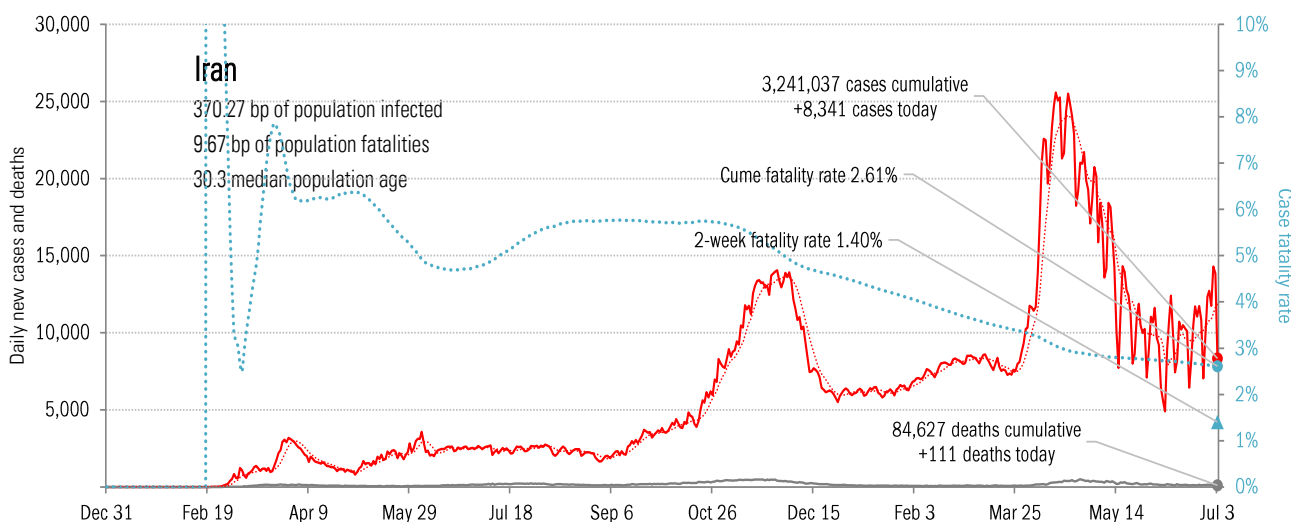
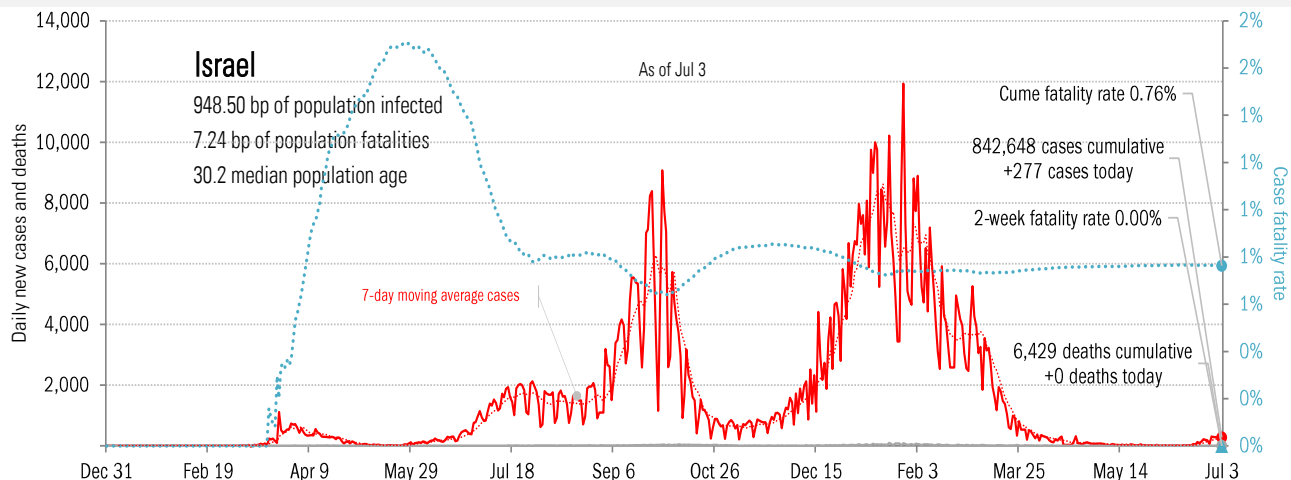
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



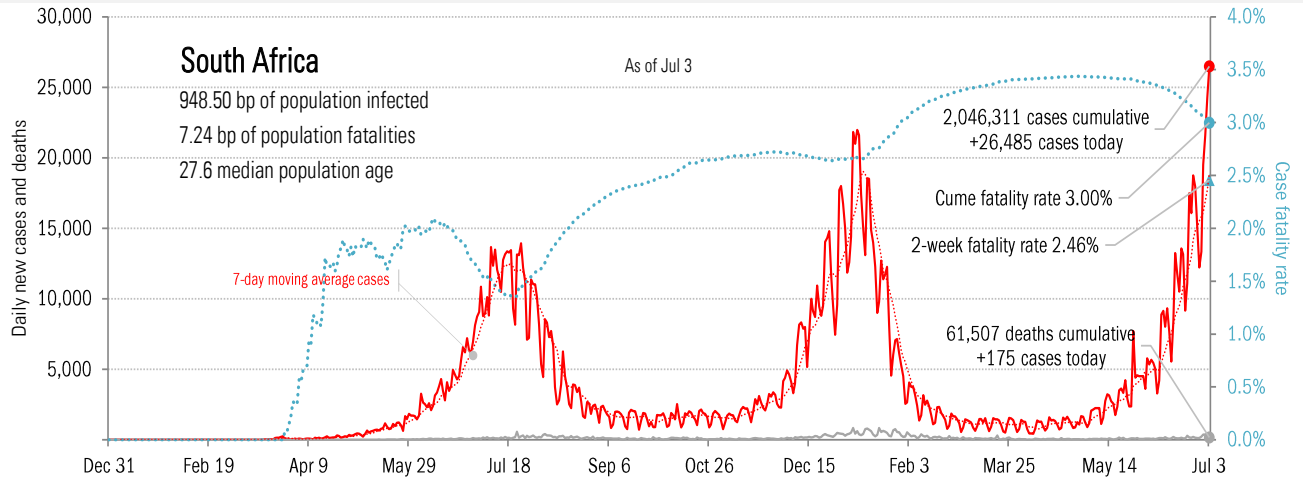
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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