

Data Insights: Covid-2019 Monitor

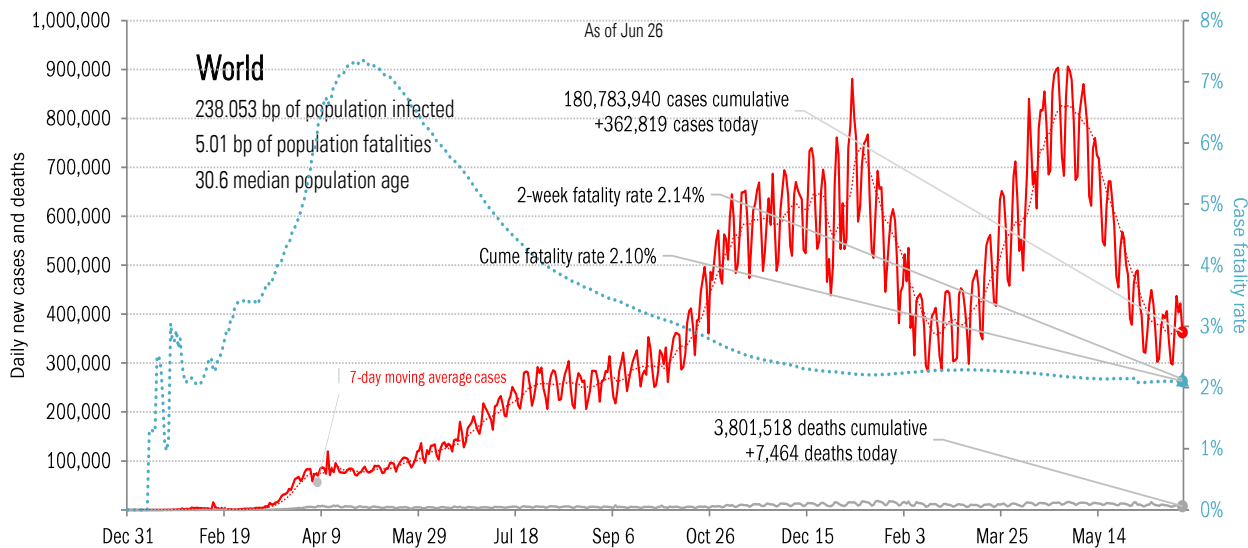
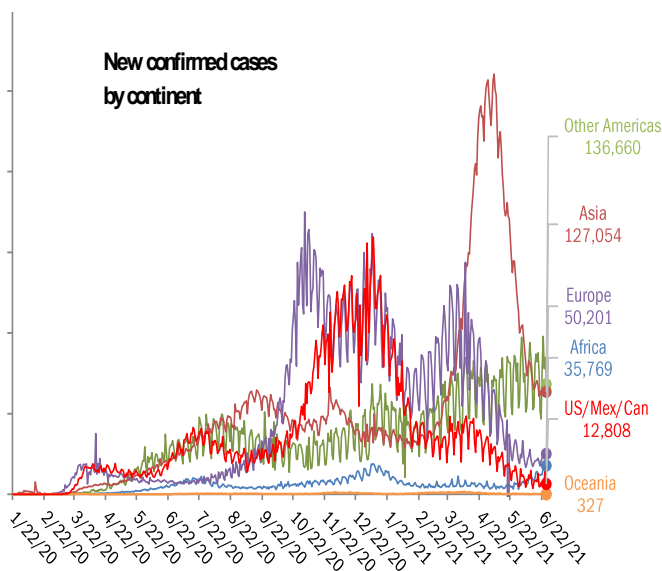
Sunday, June 27, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+64,134	Brazil	+1,593
India	+50,040	India	+1,258
Colombia	+33,594	Colombia	+693
Russia	+21,312	Russia	+610
Indonesia	+21,095	Indonesia	+358
Argentina	+18,555	Argentina	+338
South Africa	+17,956	Romania	+266
United Kingdom	+17,946	Mexico	+175
United States	+7,303	South Africa	+157
Iran	+7,034	Paraguay	+154
+258,969		+5,602	
World	+362,819	World	+7,464
Top ten	71%	Top ten	75%

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

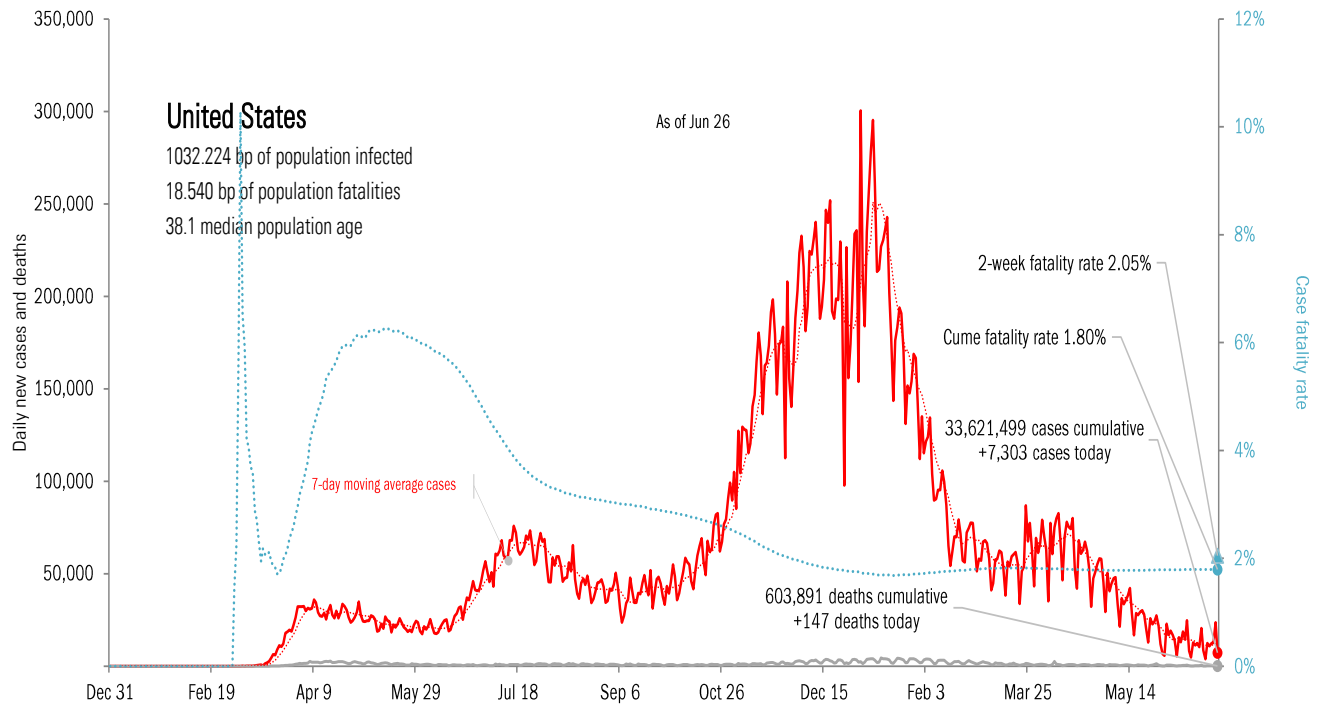
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+3,020		FL	+62		NV	+30		CA	3,814,890		CA	63,569		TX	253,743		RI	91%	MO	16%
TX	+1,401		CA	+33		TX	+27		TX	2,994,213		NY	53,649		CA	239,951		MA	84%	AR	12%
CA	+880		GA	+24		FL	+18		FL	2,361,508		TX	52,265		FL	186,675		MO	83%	UT	11%
MO	+789		TX	+19		CA	+16		NY	2,113,742		FL	37,737		NY	136,394		PA	82%	WA	10%
CO	+571		AZ	+11		PA	+16		IL	1,390,432		PA	27,642		GA	109,083		MD	81%	CO	10%
AZ	+475		TN	+7		NY	+10		PA	1,216,037		NJ	26,434	#N/A	0	MN	80%	WY	9%		
WA	+421		IA	+6		OK	+10		GA	1,133,063		IL	25,632		CH	179,373		MI	79%	NV	9%
GA	+402		MN	+6		AZ	+8		CH	1,110,546		GA	21,393		IL	82,478		FL	78%	MT	9%
UT	+351		NJ	+6		TN	+8		NJ	1,022,680		MI	20,959		KY	77,899		CT	78%	TX	9%
NY	+344		PA	+6		AL	+5		NC	1,012,343		CH	20,281		MI	73,092		GA	77%	ID	7%
+8,654			+180			+148			18,169,454			349,561			1,338,688						
All states	+10,323		+209			+65			All states	33,621,499		603,891			2,384,382			All states	70%	67%	
Top ten	84%		86%			228%			Top ten	54%		58%			56%			Median	73%	4%	

Some states not reporting

Five most improved US states

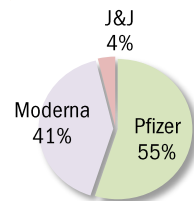
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-1,051	CH	-68	AR	-25	FR	+60 bp
NV	-804	FL	-58	GA	-18	AK	+30 bp
AL	-540	AZ	-17	KS	-18	CO	+30 bp
NC	-388	MI	-14	MO	-18	NY	+30 bp
CA	-305	SC	-14	MI	-12	NJ	+20 bp



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	393,874,225				+1.055 million	US	45.5%	53.5%
Doses administered	331,623,039				+0.939 million	UK	47.5%	64.9%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	27.5%	48.8%
Total population	183,492,725	55%	156,299,219	47%	+0.577 million	Spain	34.0%	52.0%
Age 12 to 17	8,521,844	34%	6,168,816	24%	+0.112 million	Germany	34.5%	53.0%
Age 18 to 64	125,269,311	62%	106,094,295	52%	+0.401 million	Italy	29.1%	54.8%
Age 65 and over	49,495,361	90%	43,925,749	80%	+0.061 million	Australia	4.7%	23.8%



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 **160 days** by Dec 2, 2021

58.1% of population >18 immunized
11.5% previously tested positive
69.5% vs 60% adult herd immunity*

Global data differs from sources, timing

AK
60.7%
48.4%
42.4%

ME
72.7%
66.1%
60.7%

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As of Jun 26

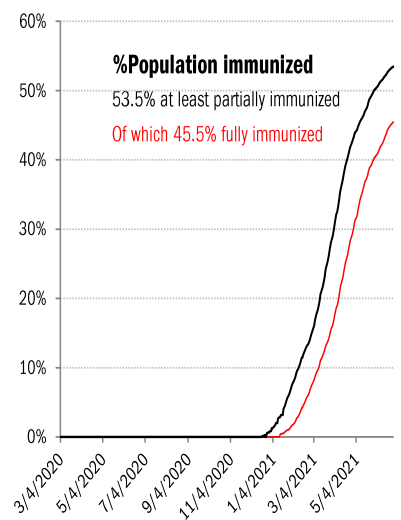
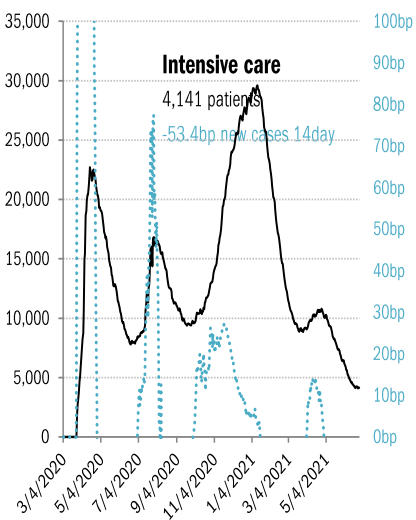
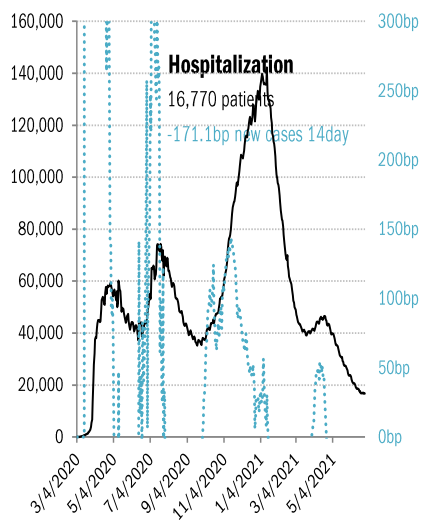
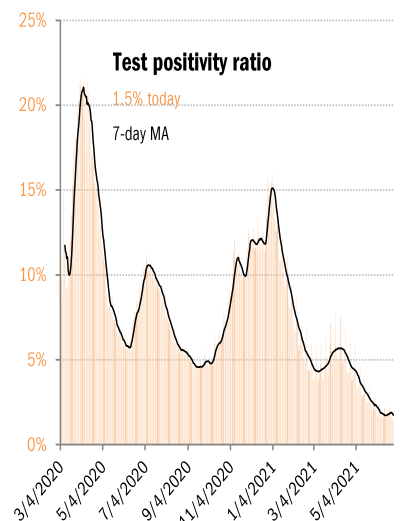
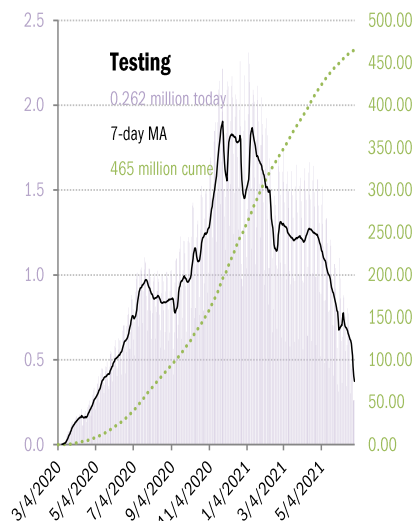
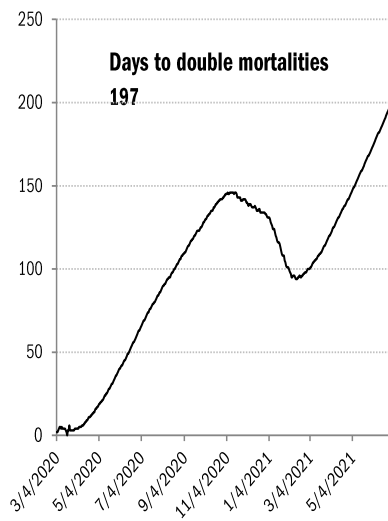
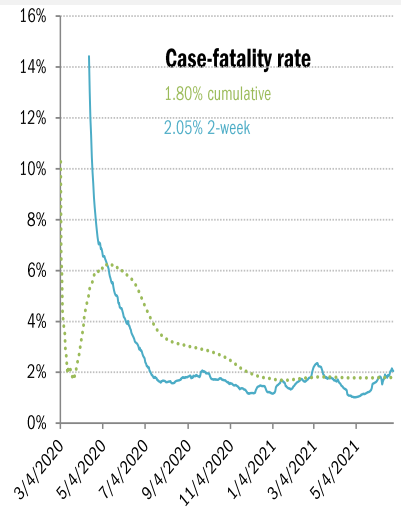
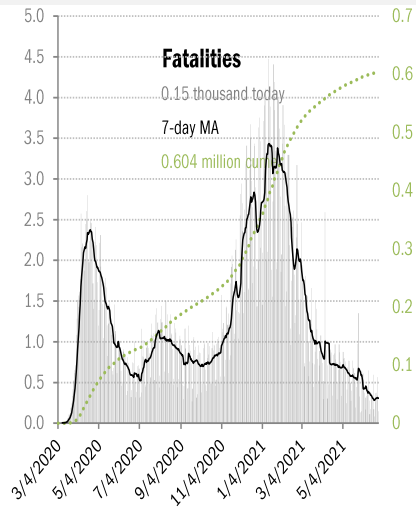
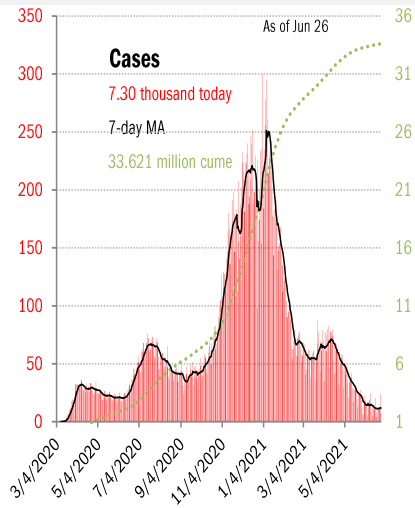
* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

** 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

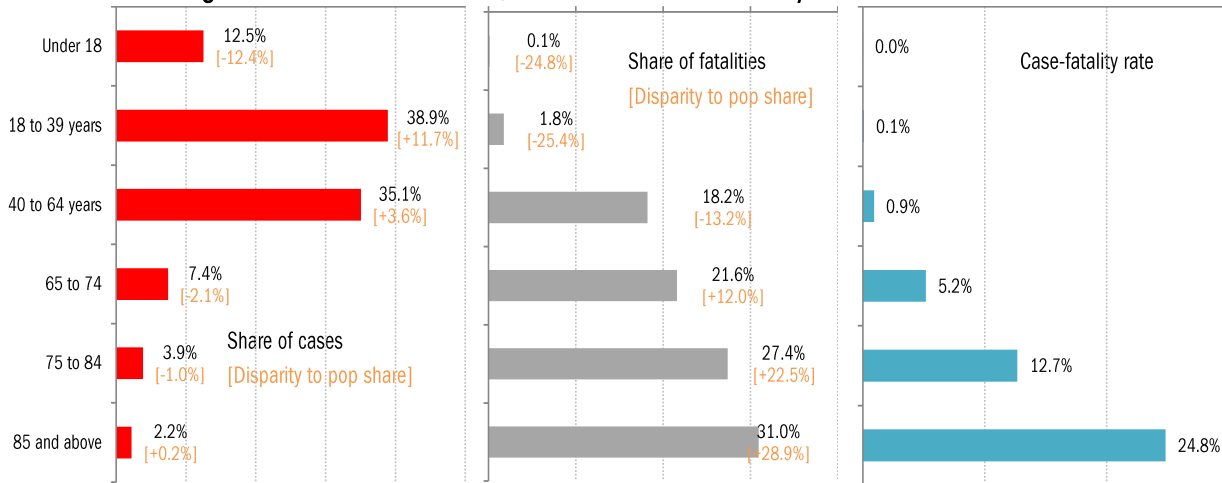
US deep-dive

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

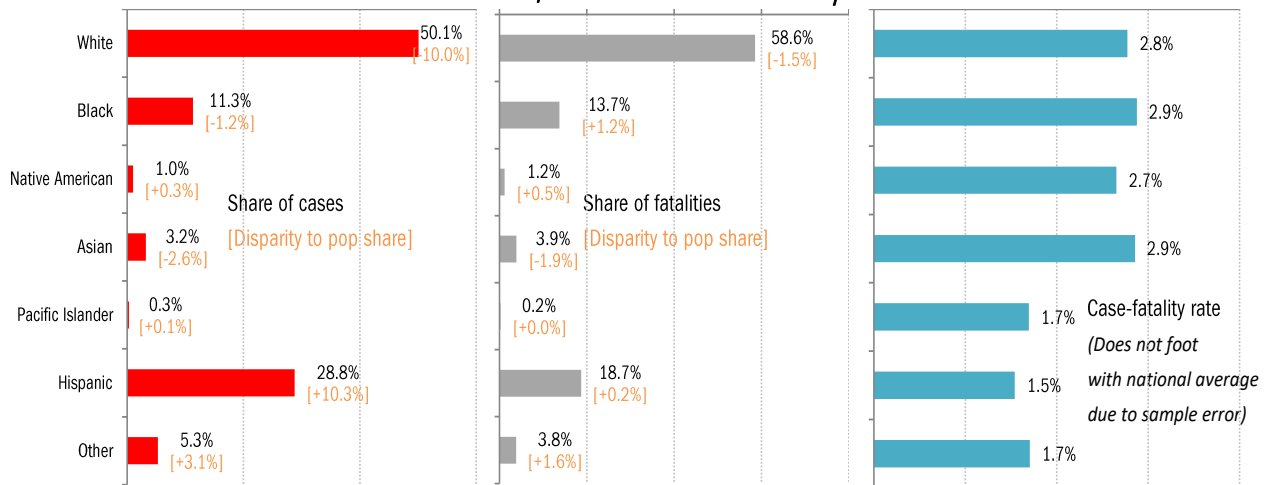


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

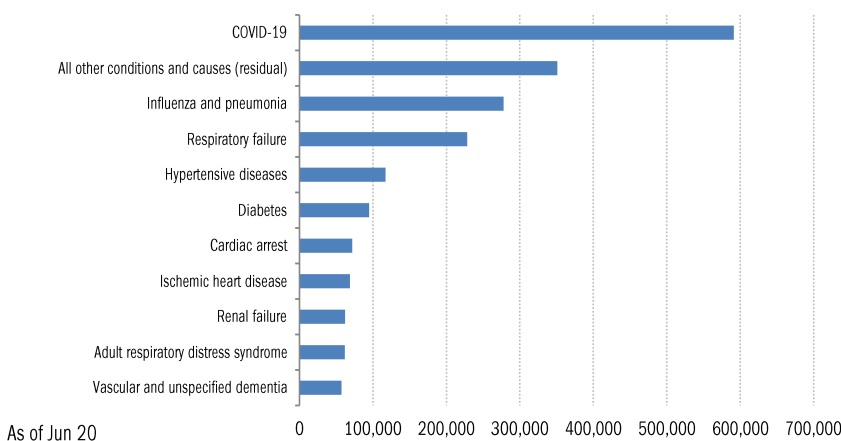


Racial distribution of US cases, fatalities and case-fatality rates Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[British Health Minister, Matt Hancock, Quits After Social Distancing Furor](#)

Mark Landler
New York Times
June 26, 2021

[As Parents Forbid Covid Shots, Defiant Teenagers Seek Ways to Get Them](#)

Jan Hoffman
New York Times
June 26, 2021

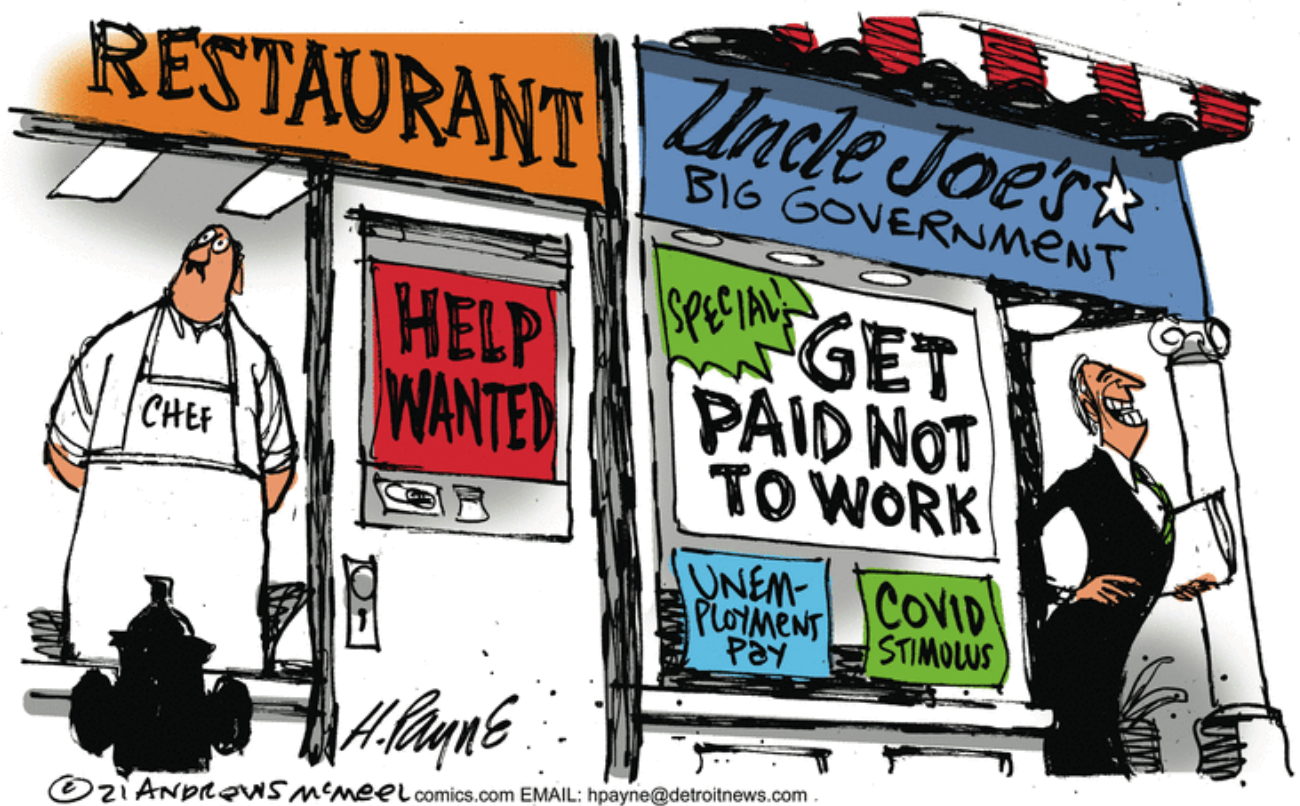
[1+1=4? Latin America Confronts a Pandemic Education Crisis.](#)

Julie Turkewitz
New York Times
June 26, 2021

[Positive COVID-19 tests knocked NC State baseball out of the CWS. What about Vanderbilt?](#)

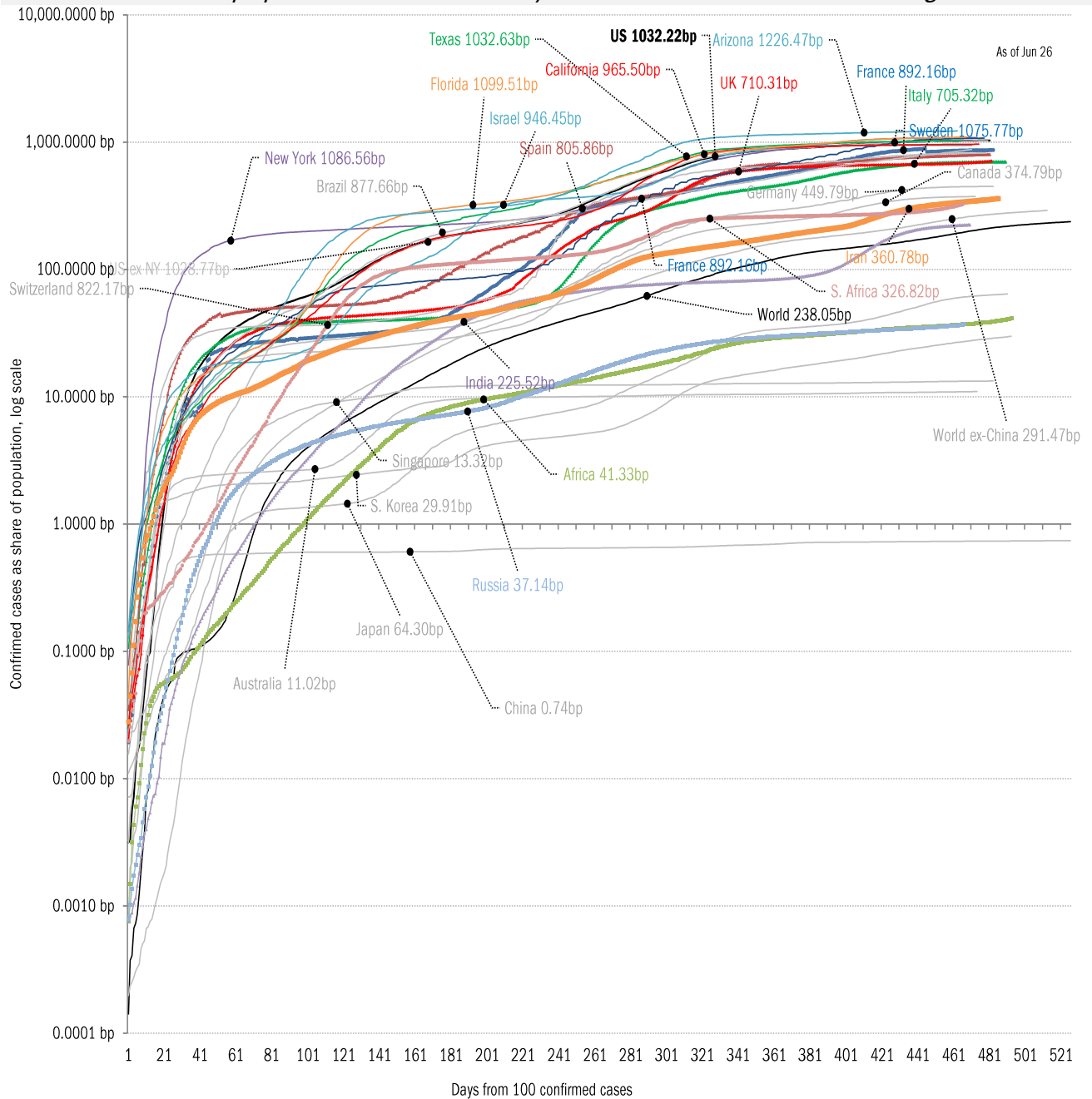
Steve Wiseman
News & Observer
June 26, 2021

Meme of the day



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

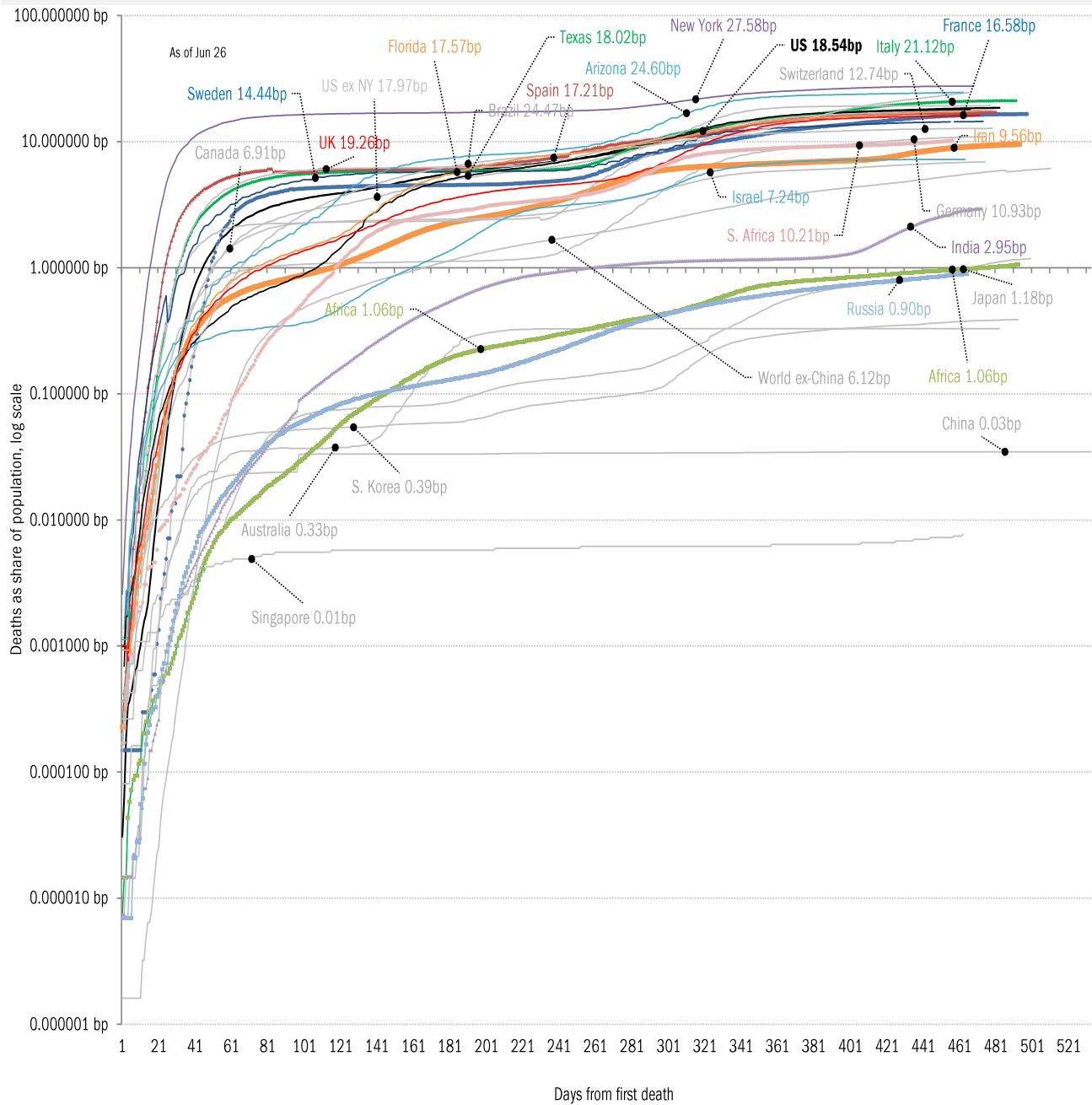
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

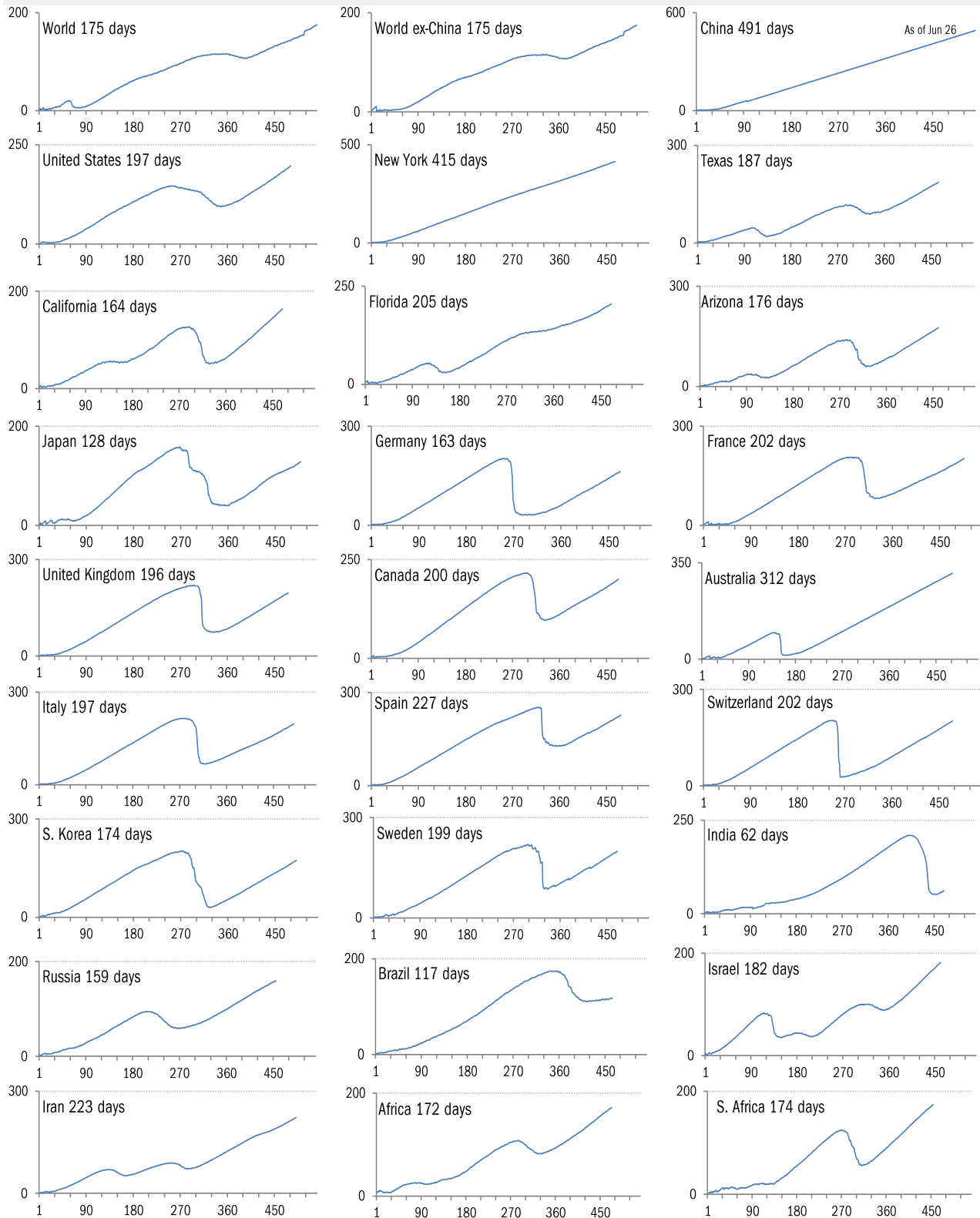


Source: [Johns Hopkins](#), TrendMacro calculations

"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

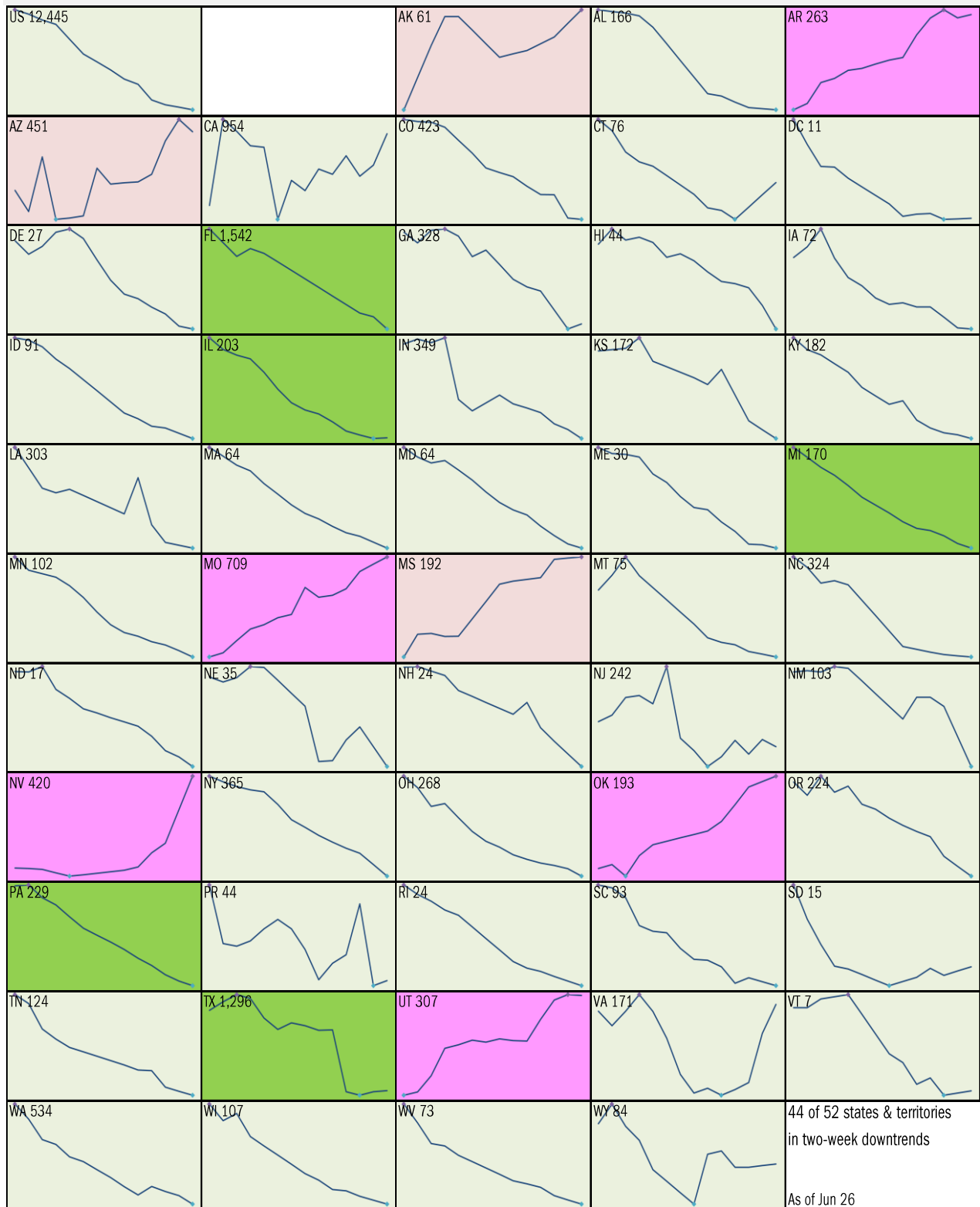


Source: [Johns Hopkins](#), TrendMacro calculations

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

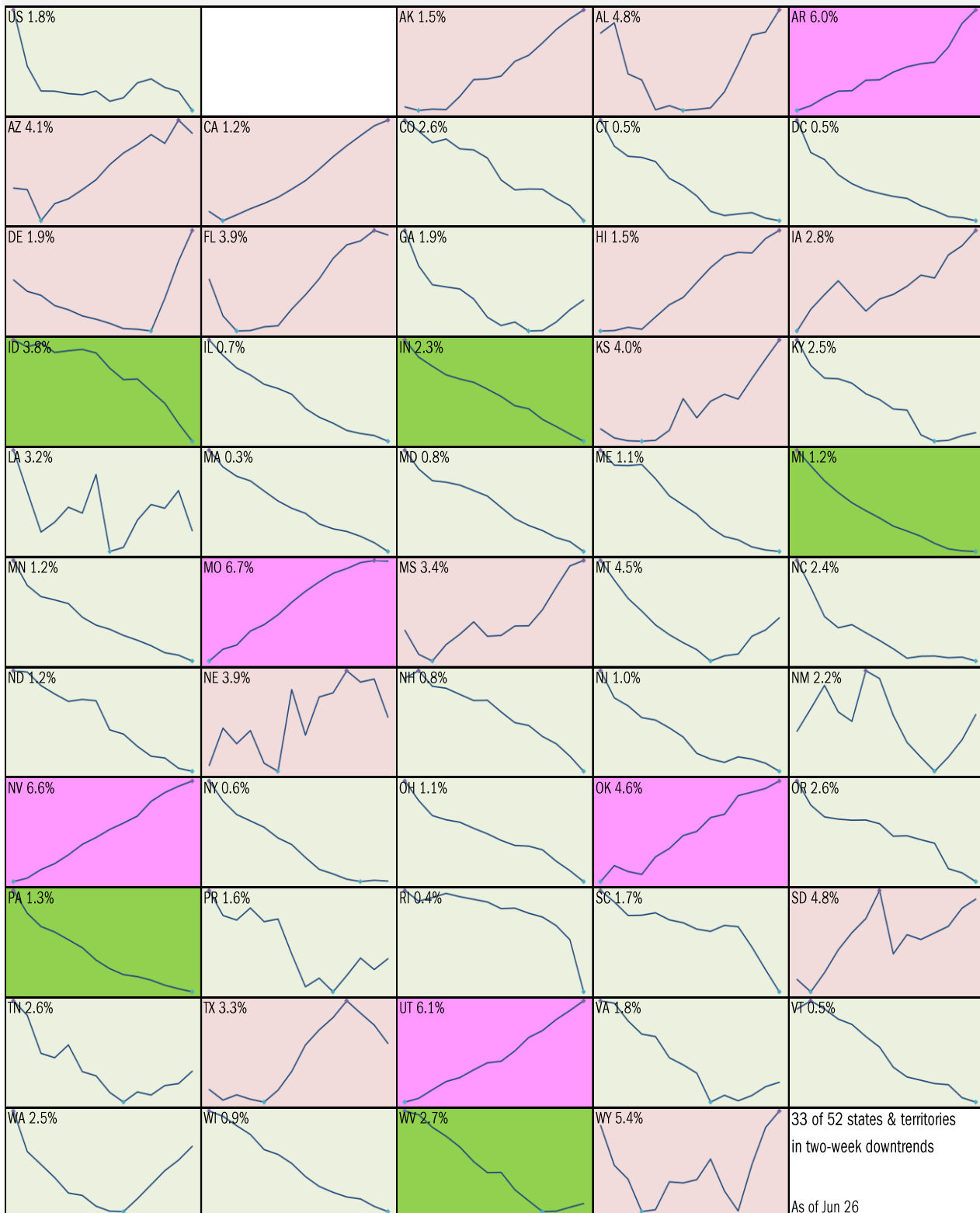


Source: [Johns Hopkins](#), TrendMacro calculations

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

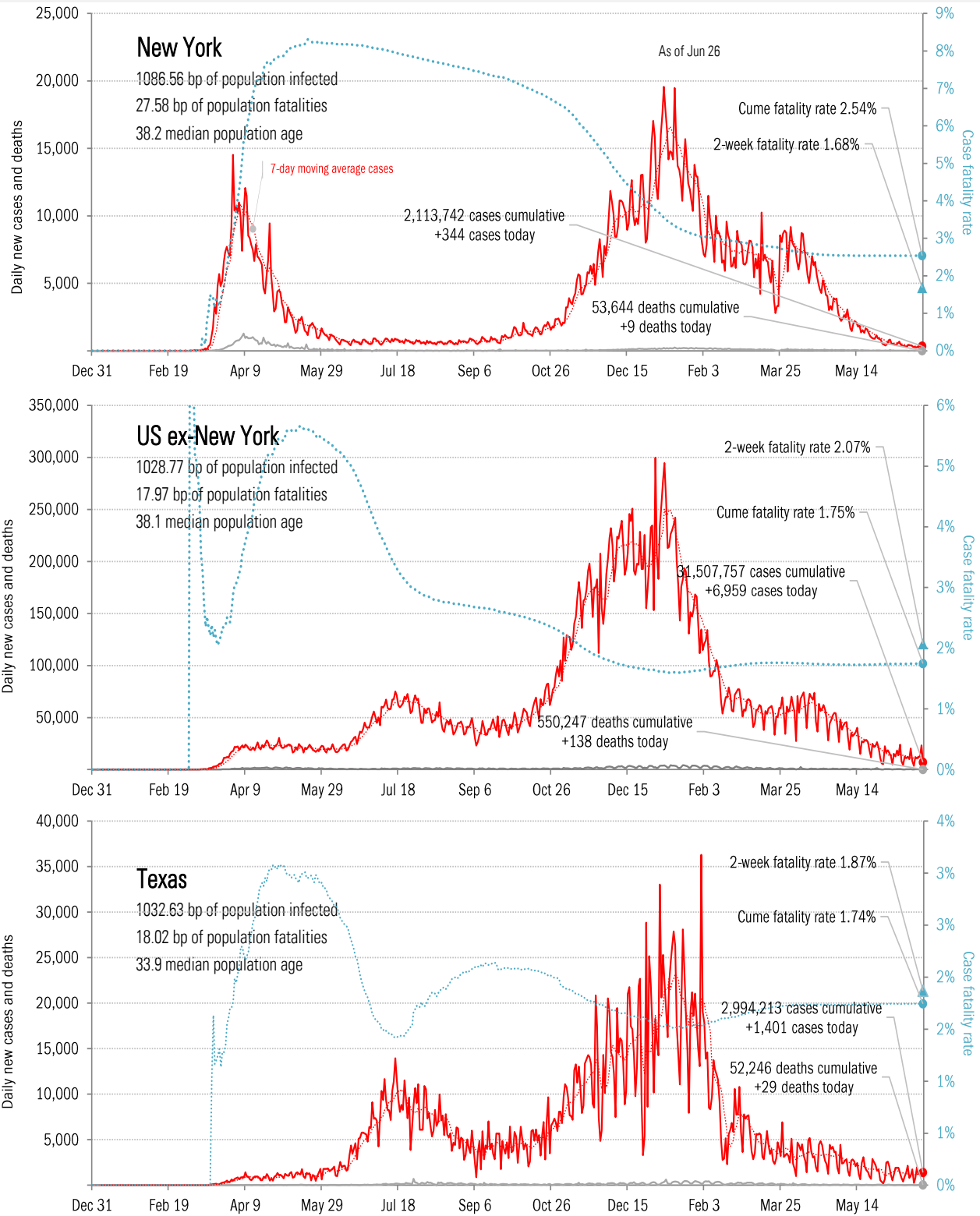
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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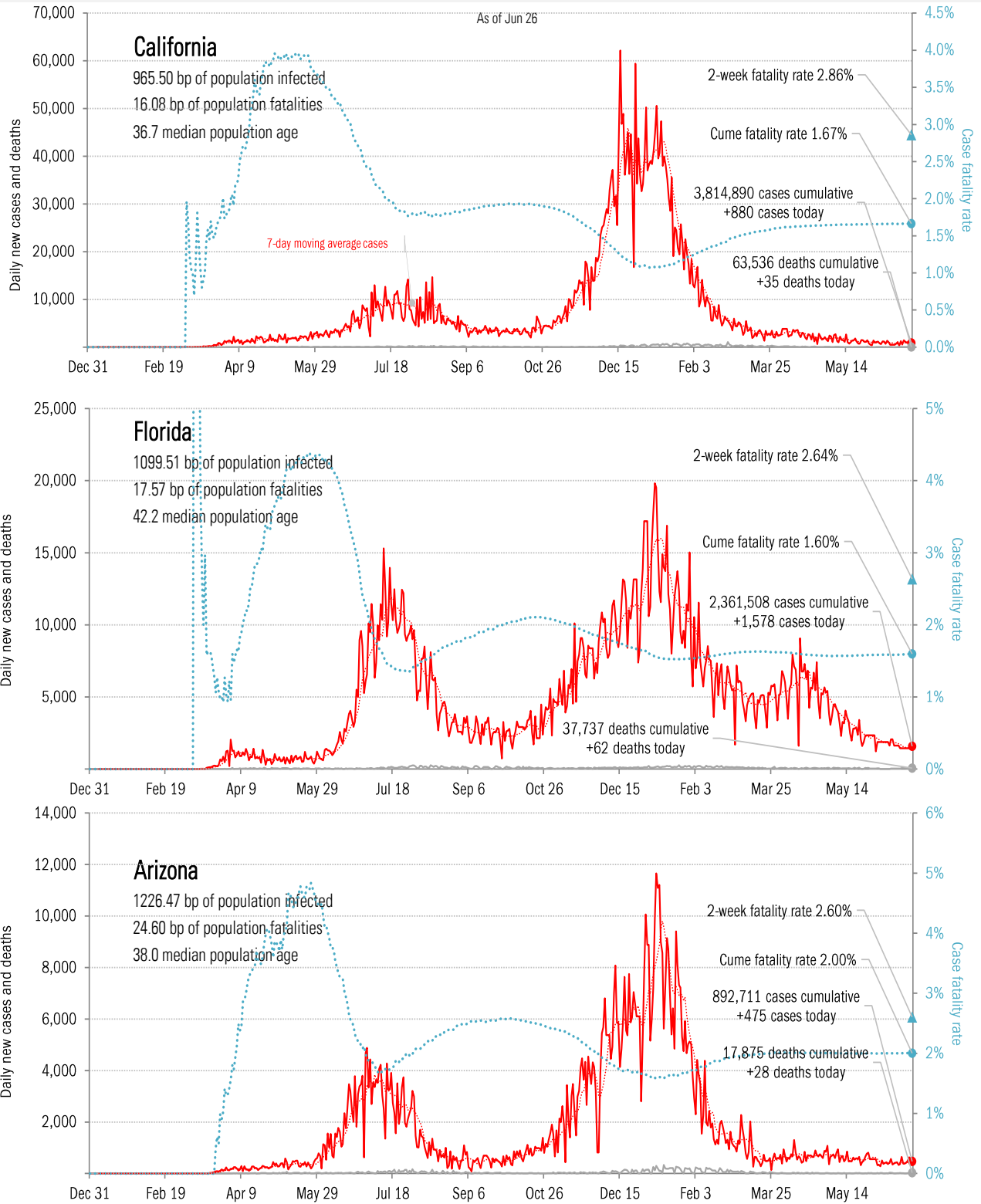
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



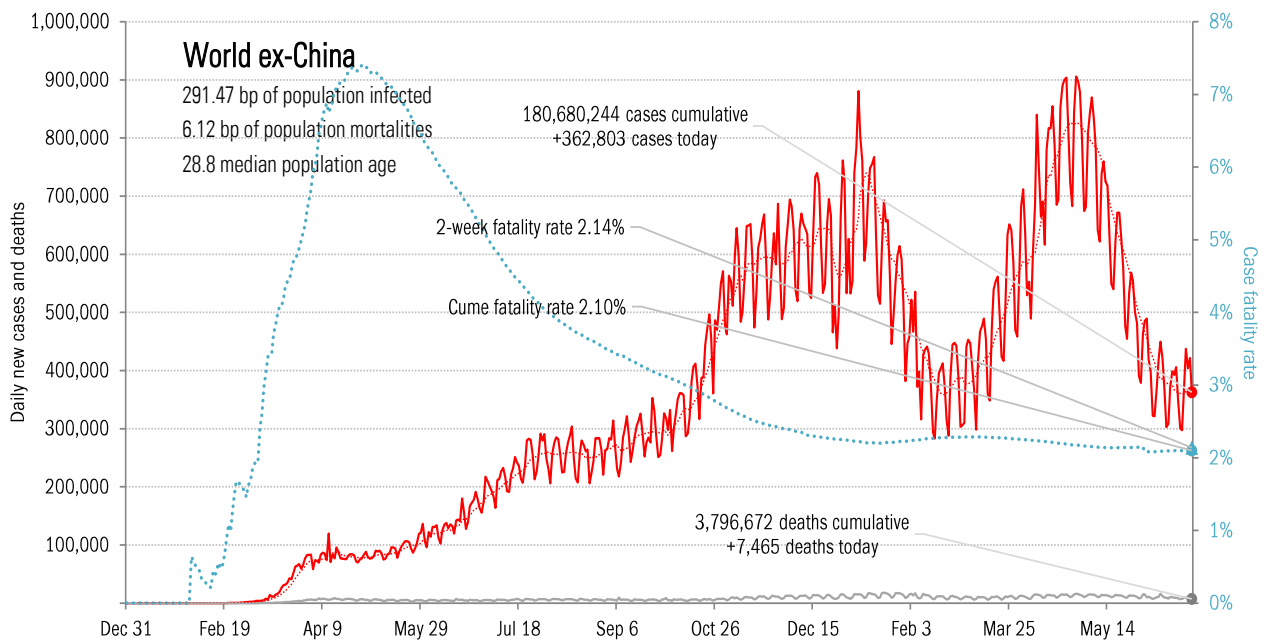
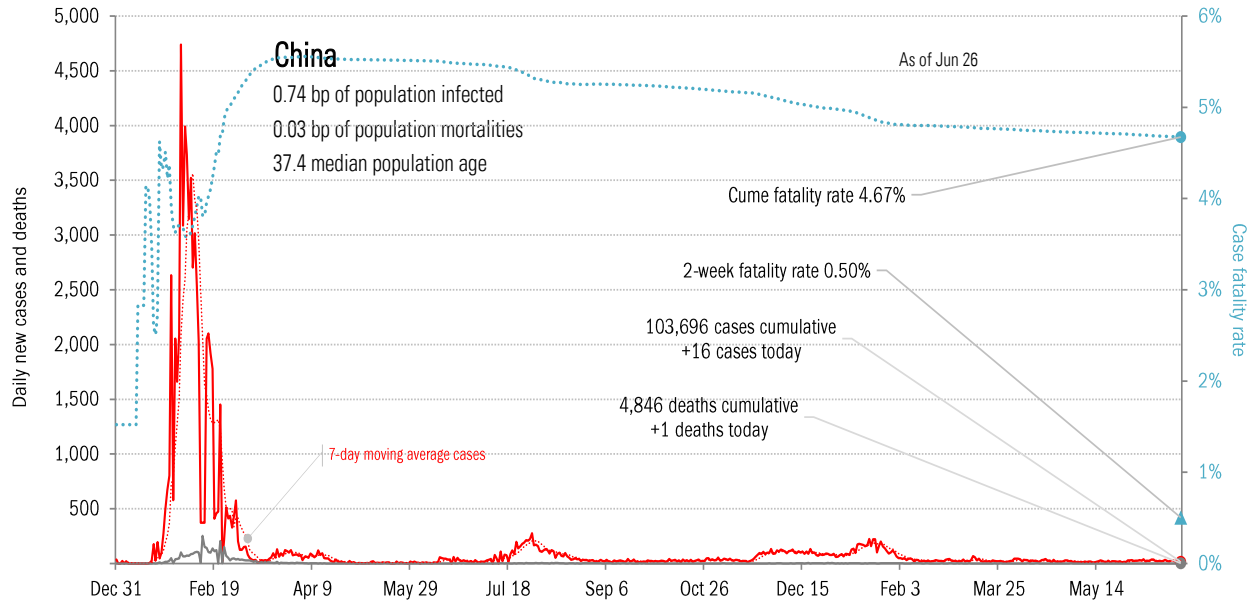
Source: [Johns Hopkins](#), TrendMacro calculations

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



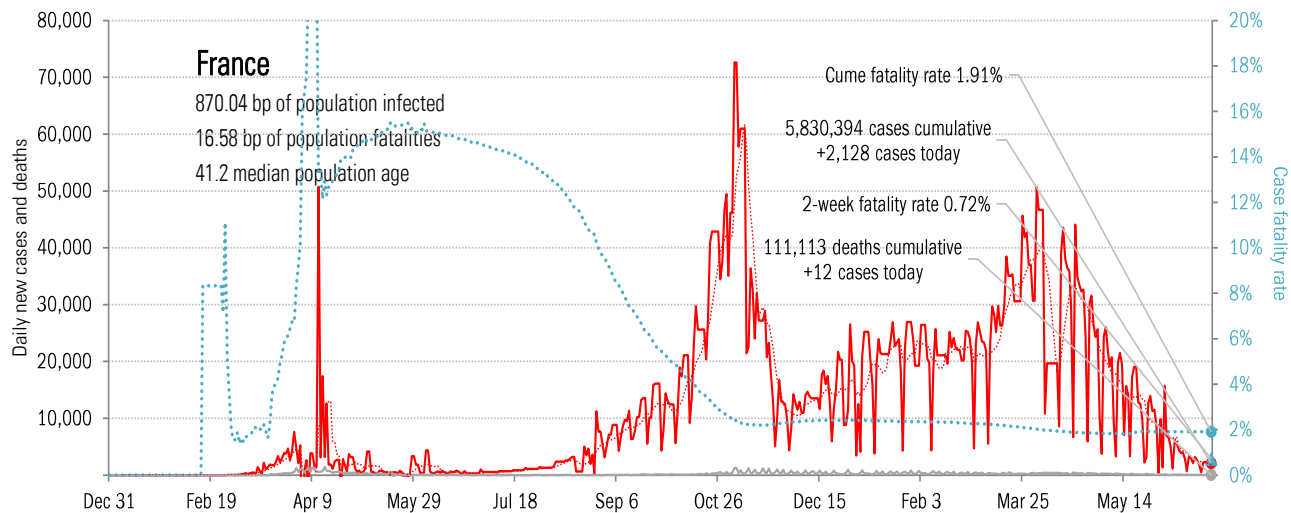
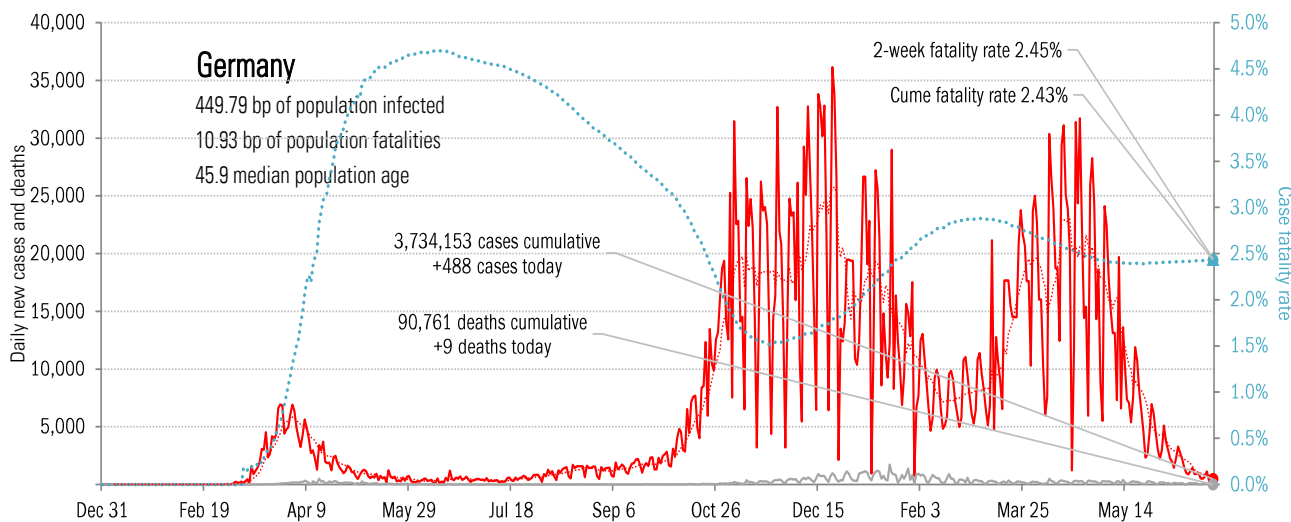
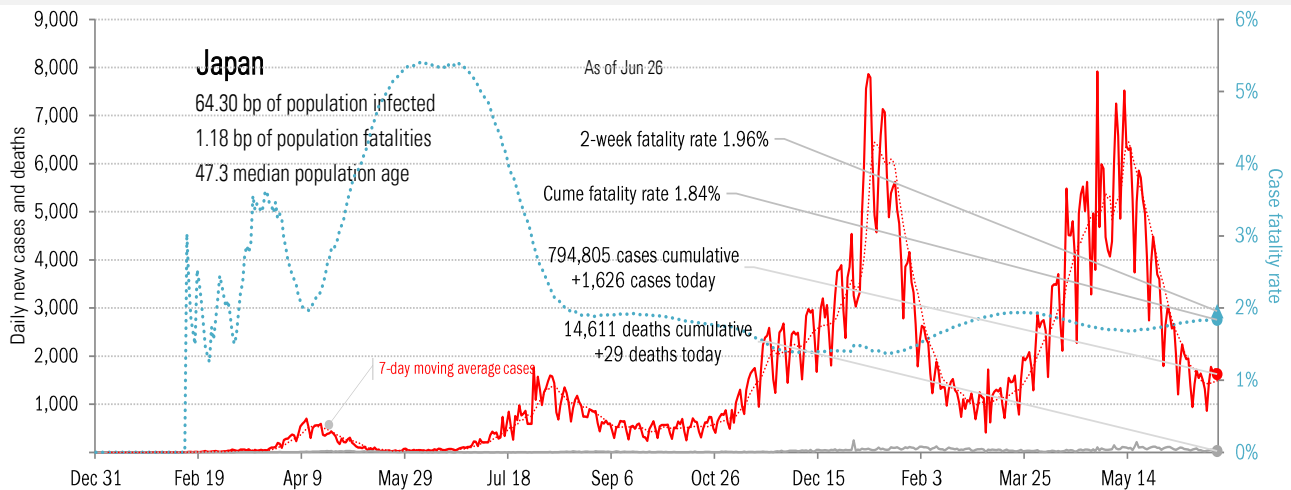
Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

Patient zero... and then everyone else



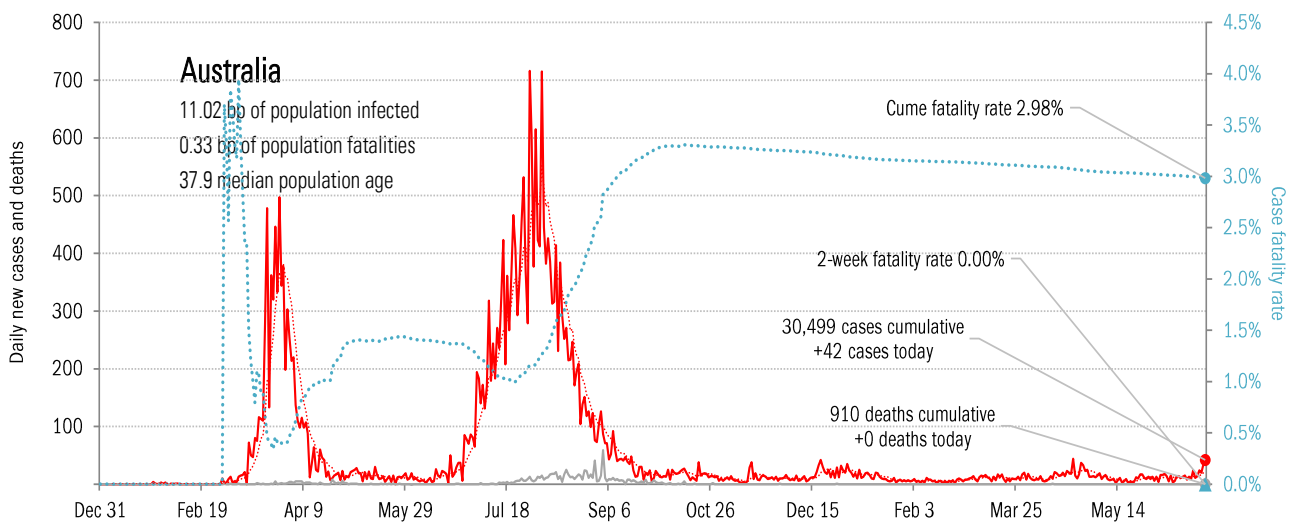
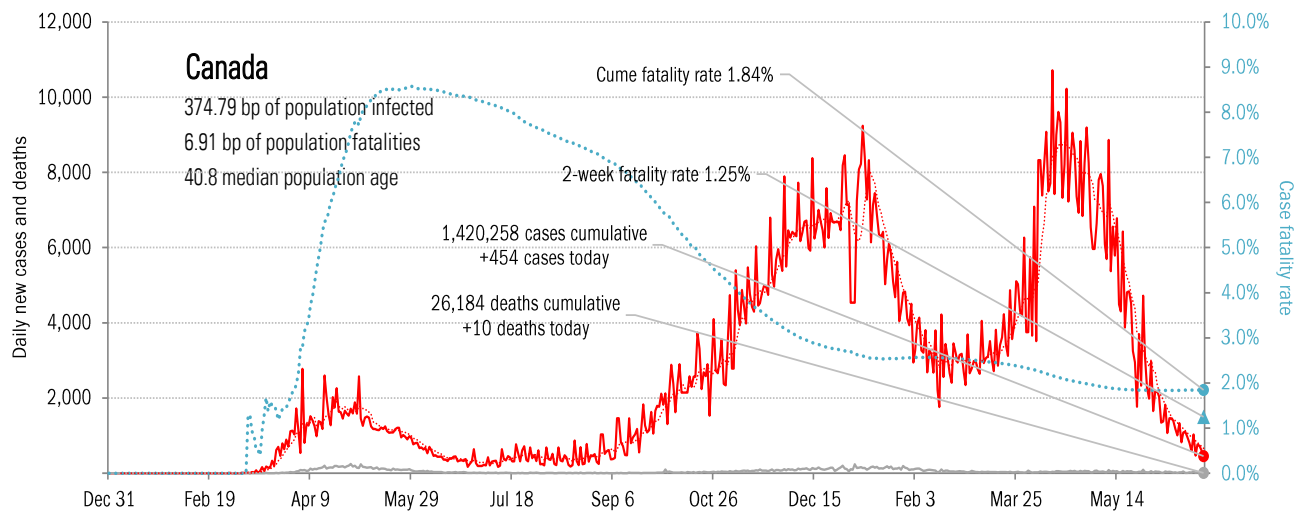
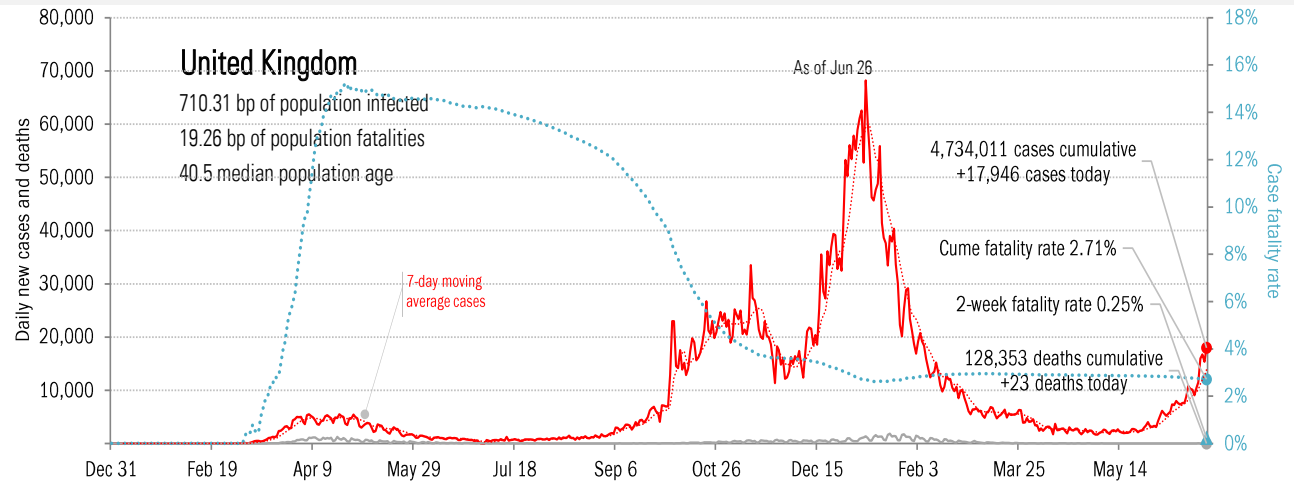
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



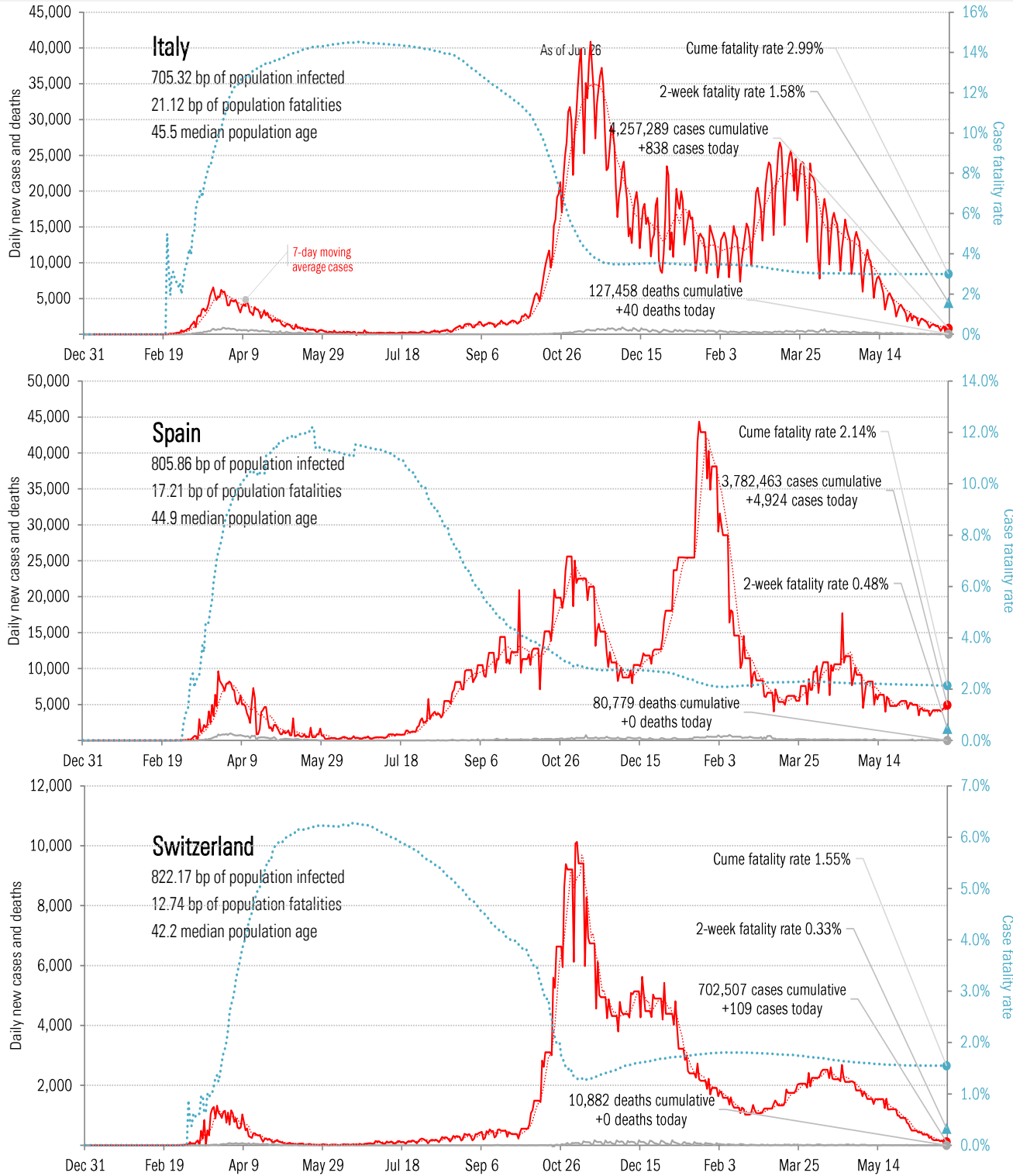
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



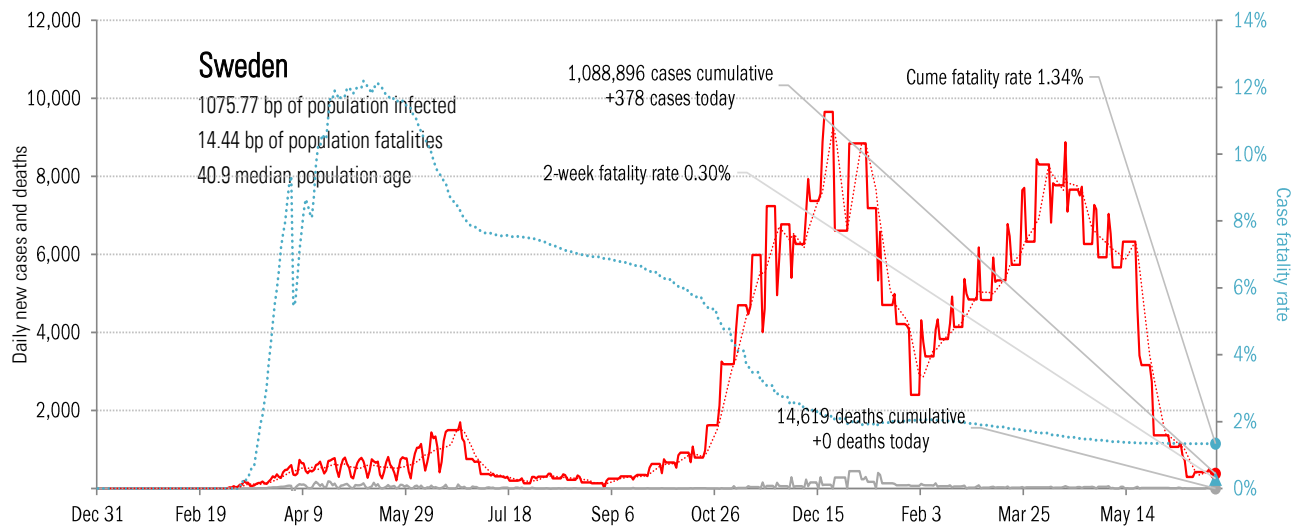
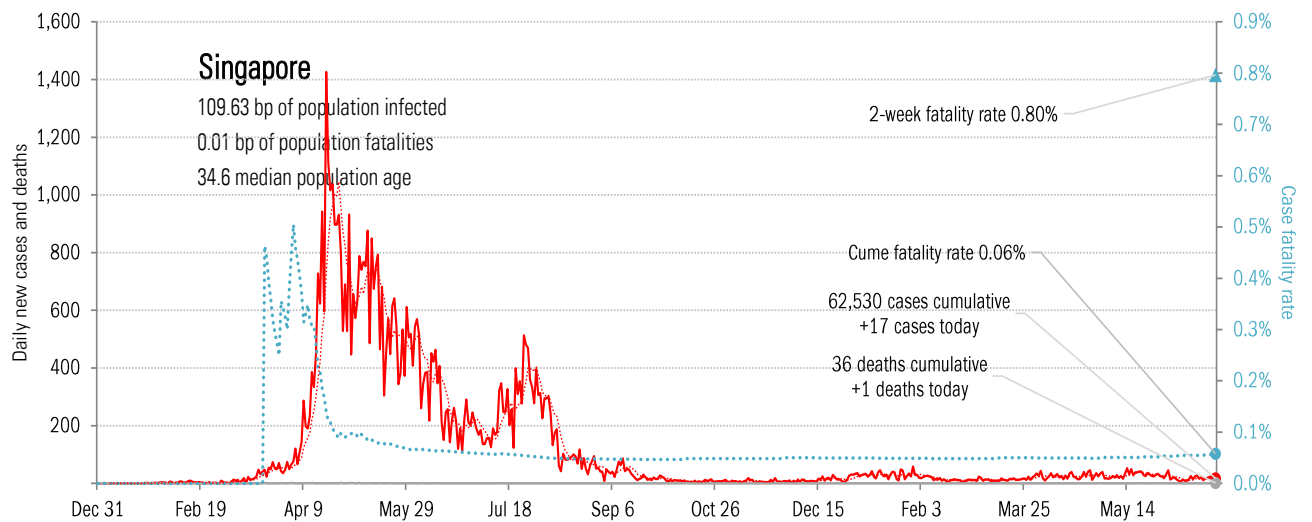
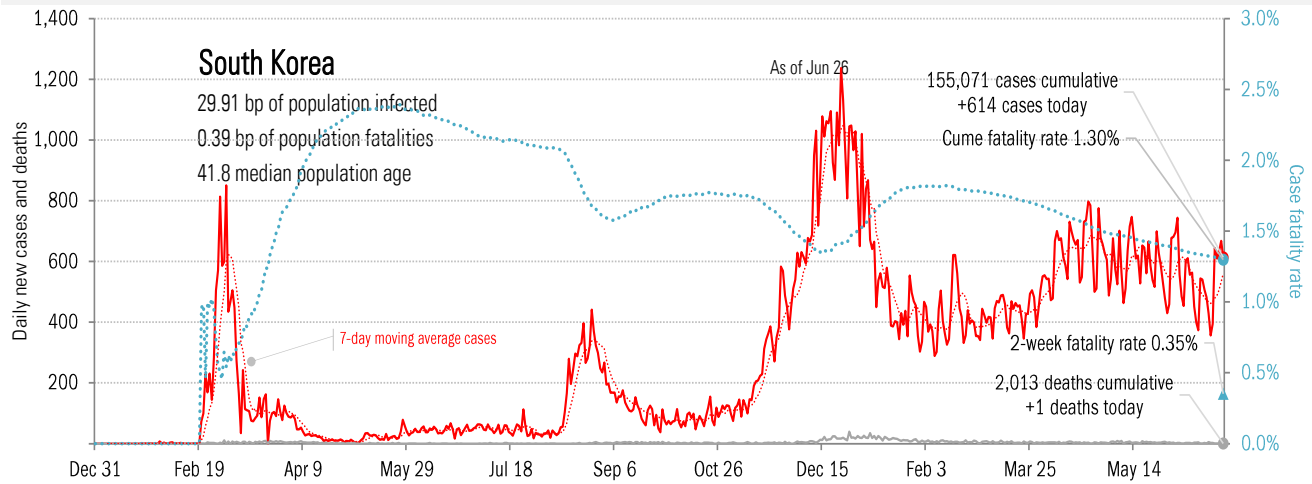
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



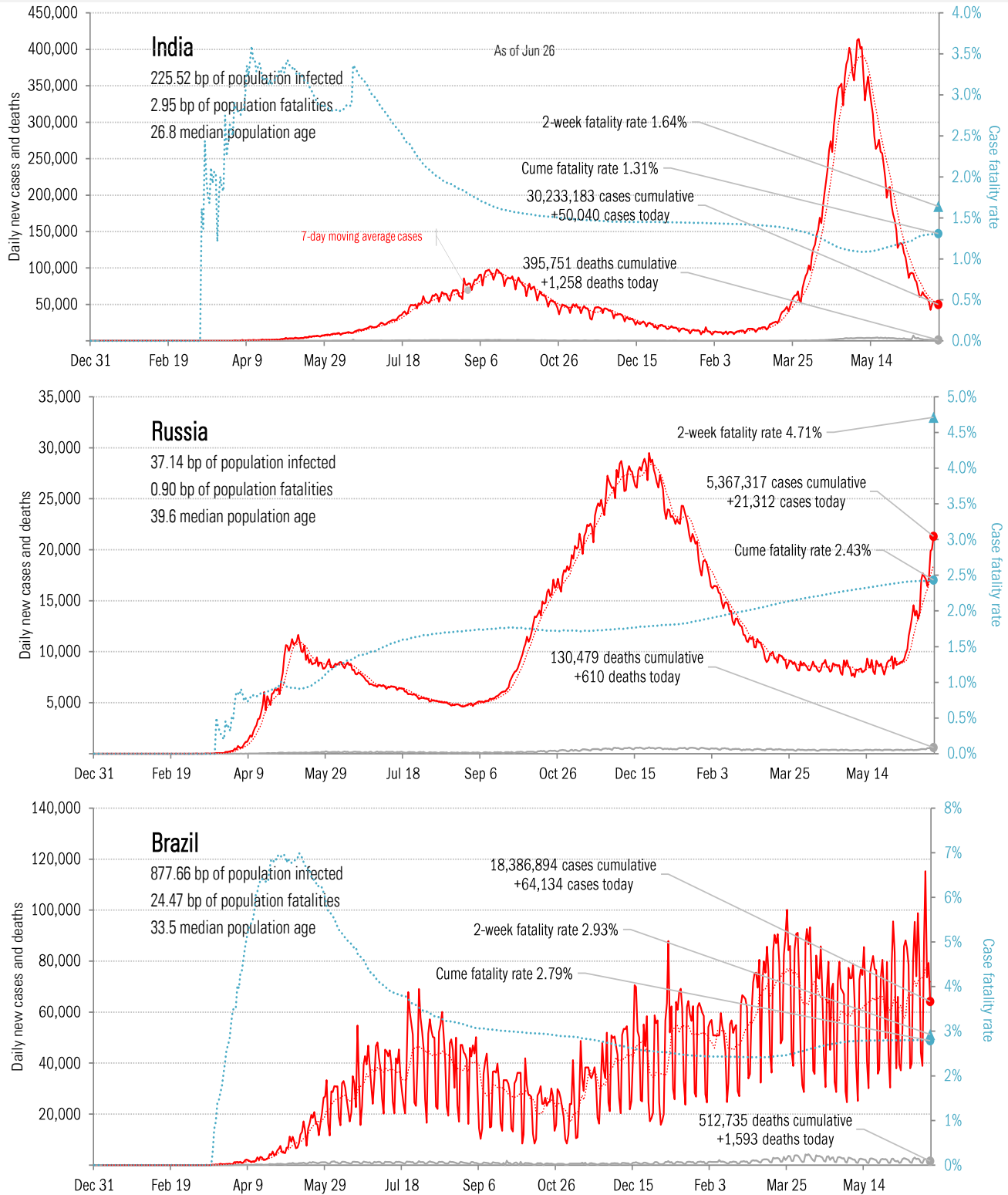
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



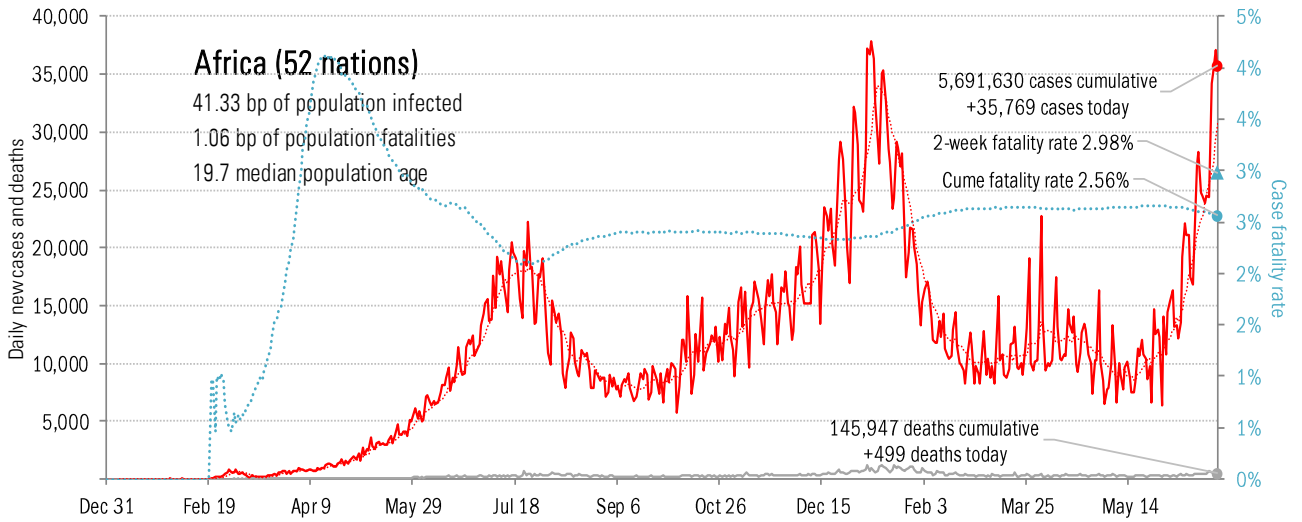
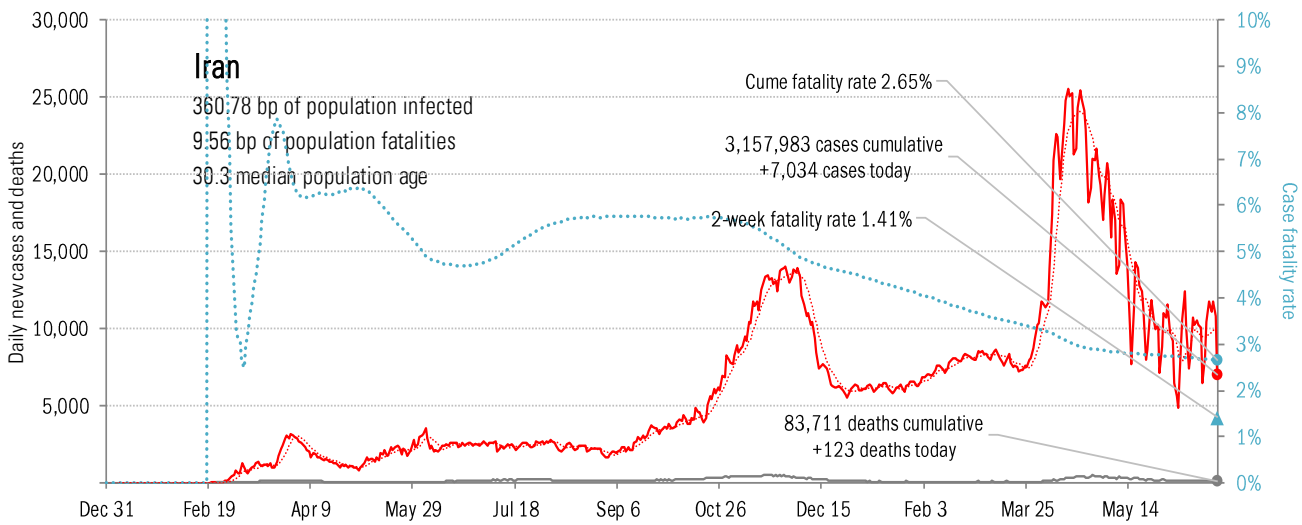
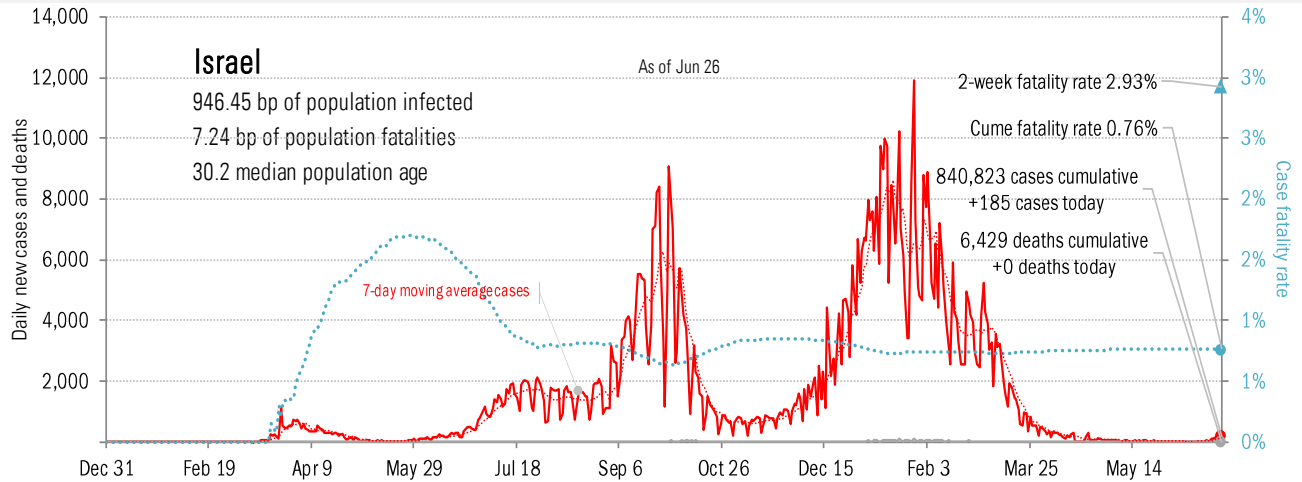
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



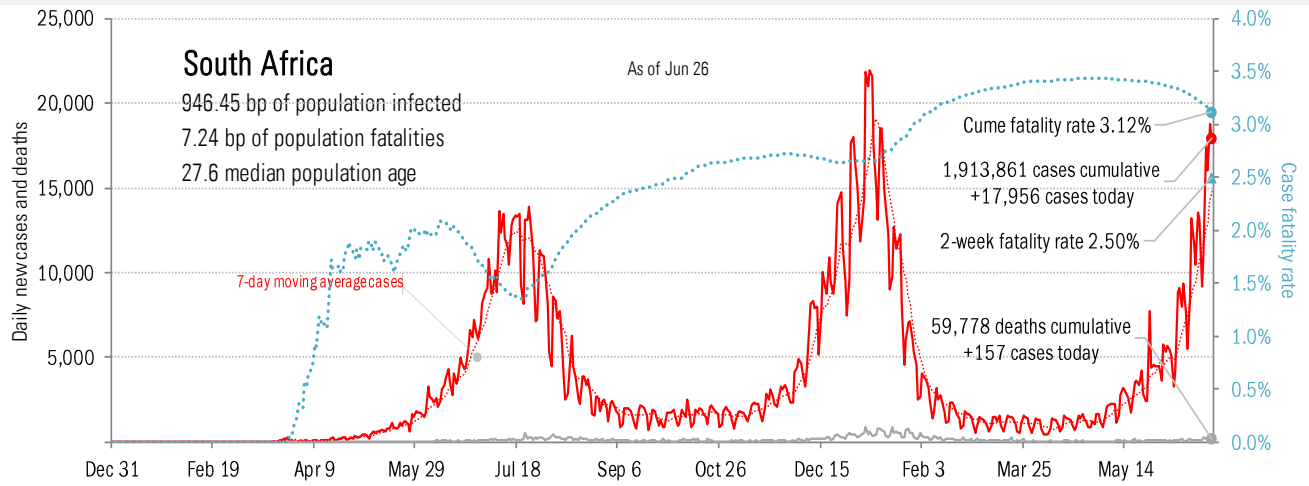
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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