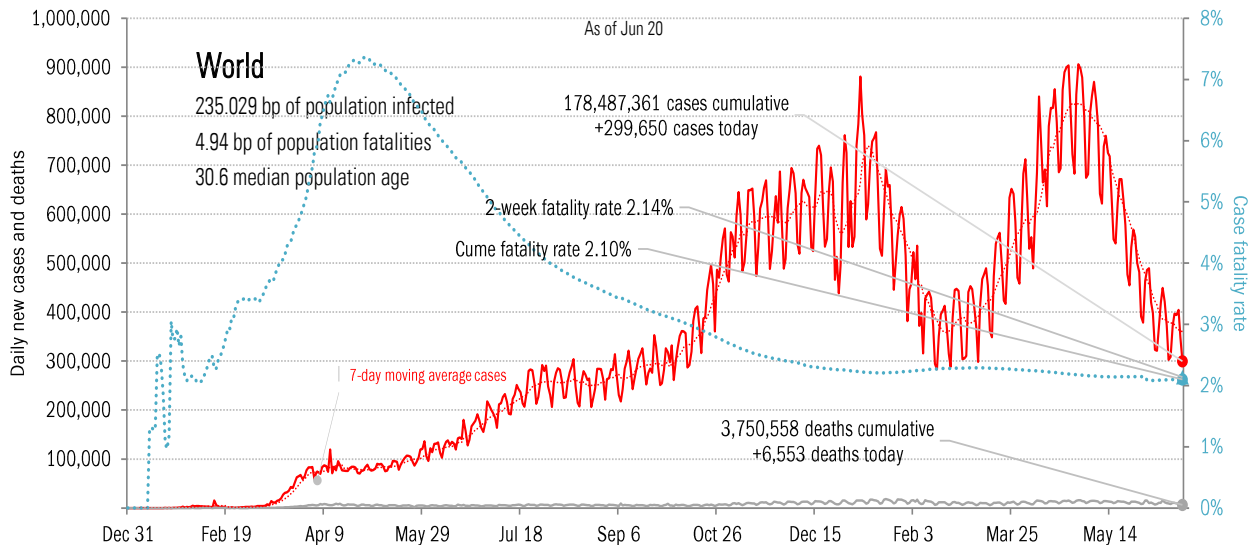
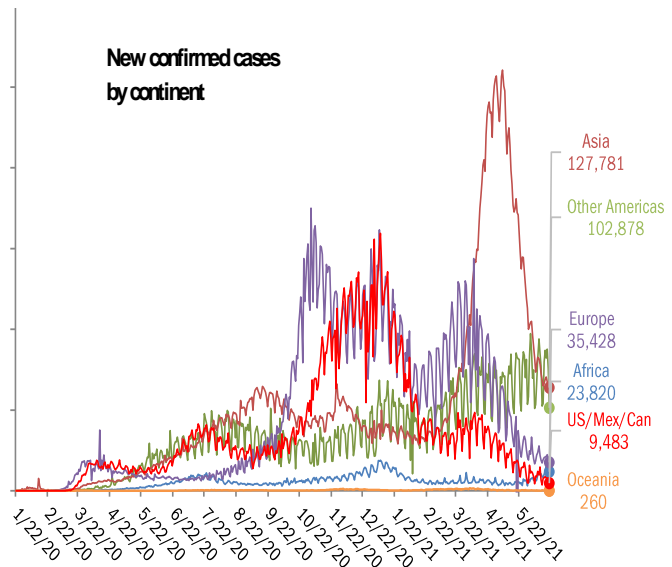


Data Insights: Covid-2019 Monitor

Monday, June 21, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+53,449	India	+1,427
Brazil	+44,178	Brazil	+1,025
Colombia	+27,818	Colombia	+599
Russia	+17,367	Russia	+445
Indonesia	+13,737	Indonesia	+371
South Africa	+13,155	Argentina	+301
Argentina	+10,395	Peru	+269
United Kingdom	+9,077	Mexico	+228
Iran	+8,161	Chile	+121
Philippines	+5,795	Paraguay	+112
+203,132		+4,898	
World	+299,650	World	+6,553
Top ten	68%	Top ten	75%



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

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

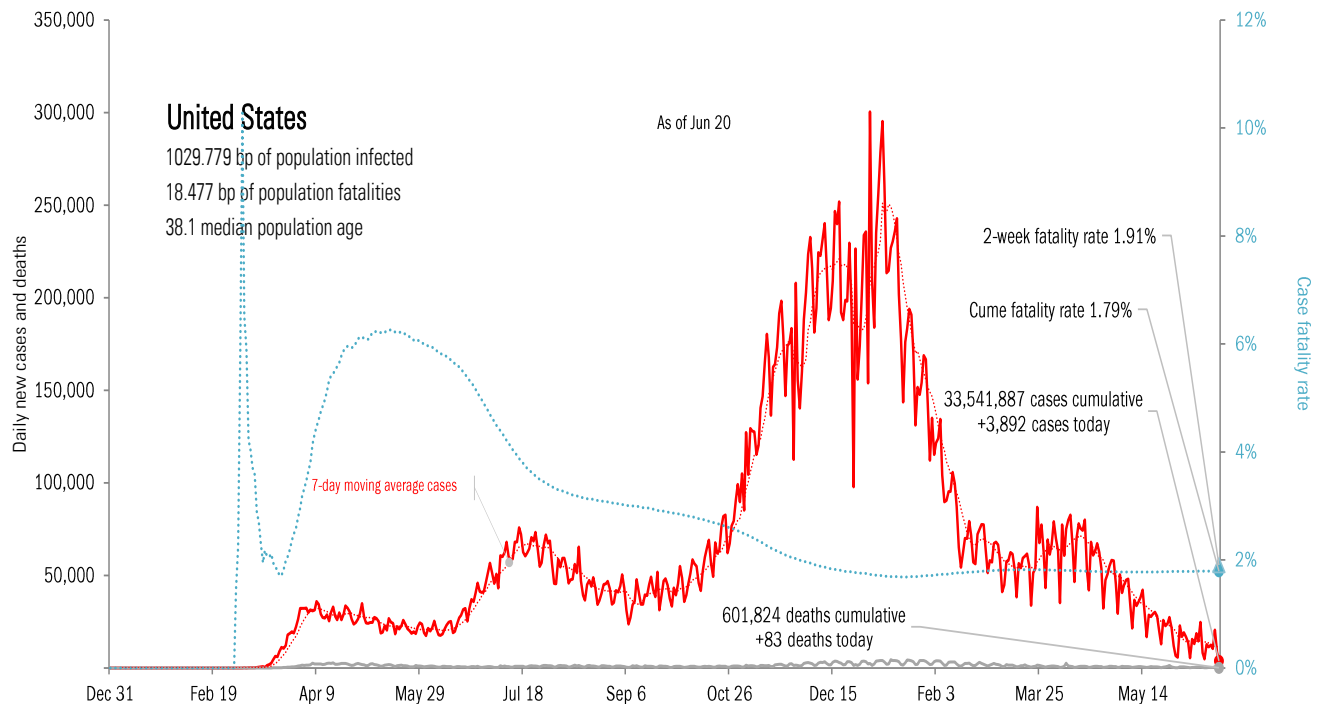
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+1,442		FL	+70		KY	+89		CA	3,808,258		CA	63,335		TX	252,386		R	92%	MO	14%
CA	+532		CA	+27		GA	+48		TX	2,985,659		NY	53,606		CA	239,030		MA	85%	WY	14%
MO	+492		TX	+12		AR	+15		FL	2,351,141		TX	52,110		FL	184,986		MO	82%	UT	11%
AZ	+385		MN	+9		IL	+11		NY	2,111,845		FL	37,411		NY	136,011		PA	82%	CO	11%
NY	+289		VA	+8		MO	+7		IL	1,388,634		PA	27,566		GA	108,528		CA	81%	ID	10%
CO	+272		PA	+7		NV	+7		PA	1,214,895		NJ	26,374		PA	91,346		MD	81%	AR	10%
TX	+271		AZ	+5		AZ	+6		GA	1,131,048		IL	25,566		CH	87,353		CT	81%	WA	9%
UT	+249		MA	+5		CA	+6		CH	1,108,902		GA	21,318		IL	82,191		MIN	79%	OK	8%
GA	+203		HI	+2		CT	+6		NJ	1,021,182		MI	20,862		KY	77,454		MI	78%	TX	8%
CR	+196		IA	+2		UT	+6		NC	1,010,113		CH	20,166		#N/A	0		FL	78%	NV	8%
+4,331			+147			+201			18,131,677			348,314			1,259,285						
All states	+5,334		+153			+17			All states	33,541,887		601,824			2,372,046			All states	70%	67%	
Top ten	81%		96%			1182%			Top ten	54%		58%			53%			Median	73%	5%	

Some states not reporting

Five most improved US states

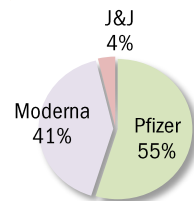
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-1,481	IN	-29	TX	-88	NM	+50 bp
CA	-729	GA	-28	FL	-22	FL	+30 bp
IN	-540	AZ	-11	IN	-16	NJ	+30 bp
WA	-521	CO	-10	AL	-14	FR	+30 bp
AZ	-256	CA	-7	TN	-14	TX	+30 bp



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	392,589,985				+0.000 million	US	44.8%	53.0%
Doses administered	327,393,281				+0.862 million	UK	46.2%	63.3%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	24.8%	47.3%
Total population	181,680,612	54%	153,744,422	46%	+0.551 million	Spain	29.8%	48.5%
Age 12 to 17	8,135,396	32%	5,628,699	22%	+0.125 million	Germany	30.8%	50.5%
Age 18 to 64	124,024,092	61%	104,284,220	51%	+0.368 million	Italy	26.1%	52.0%
Age 65 and over	49,364,697	90%	43,737,023	80%	+0.055 million	Australia	3.3%	22.4%



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 **176 days** by Dec 12, 2021

70.8% of population >18 immunized
14.1% previously tested positive
84.9% vs 60% adult herd immunity*

Global data differs from sources, timing

AK
60.5%
47.8%
41.7%

ME
72.3%
65.7%
59.8%

WI	VT	NH								
54.8%	77.4%	70.7%								
52.9%	73.1%	61.6%								
47.8%	64.1%	54.7%								
WA	ID	MT	ND	MN	IL	MI	NY	MA		
64.3%	49.1%	54.8%	48.9%	60.5%	60.7%	61.0%	63.9%	73.1%		
60.0%	39.1%	47.1%	43.4%	56.3%	58.2%	50.7%	58.9%	69.5%		
52.7%	35.2%	41.6%	38.2%	50.2%	44.2%	45.8%	52.0%	59.8%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
70.1%	52.1%	47.3%	57.2%	57.3%	52.3%	55.4%	64.6%	67.7%	69.1%	73.6%
57.7%	48.2%	38.6%	49.8%	50.8%	43.8%	47.7%	61.8%	63.8%	66.0%	63.6%
51.4%	40.4%	33.6%	44.5%	47.0%	39.0%	43.6%	48.4%	54.5%	58.8%	56.9%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
64.8%	52.5%	63.4%	56.3%	51.9%	52.4%	55.5%	63.1%	72.7%	68.4%	
60.0%	47.4%	57.0%	50.1%	44.1%	48.7%	42.4%	58.1%	60.5%	57.1%	
48.1%	35.9%	50.1%	45.2%	38.1%	42.1%	36.2%	50.2%	53.8%	47.7%	
AZ	NM	KS	AR	TN	NC	SC	DC			
58.1%	59.1%	55.5%	49.6%	55.8%	58.4%	53.9%	78.5%			
48.7%	60.8%	48.5%	41.1%	40.9%	44.7%	42.8%	60.1%			
39.0%	52.4%	40.9%	33.3%	34.4%	38.6%	36.9%	50.6%			
OK	LA	MS	AL	GA						
53.3%	45.7%	47.2%	51.4%	54.9%						
44.0%	37.5%	35.4%	39.0%	42.0%						
37.3%	33.7%	28.9%	31.9%	34.8%						
HI	TX	FL	PR							
70.9%	57.5%	61.2%	68.0%							
69.0%	47.2%	52.5%	55.6%							
50.9%	39.7%	44.1%	43.0%							

As of Jun 20

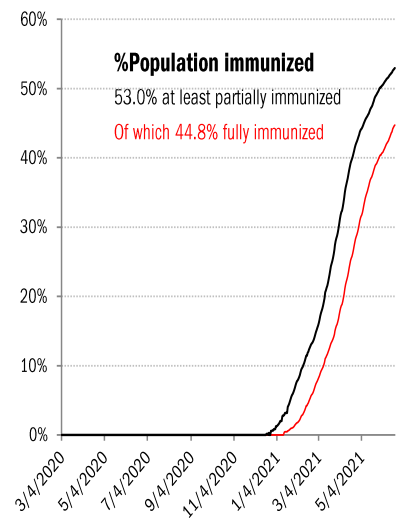
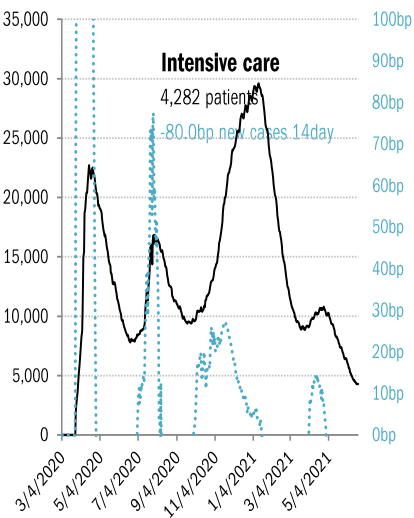
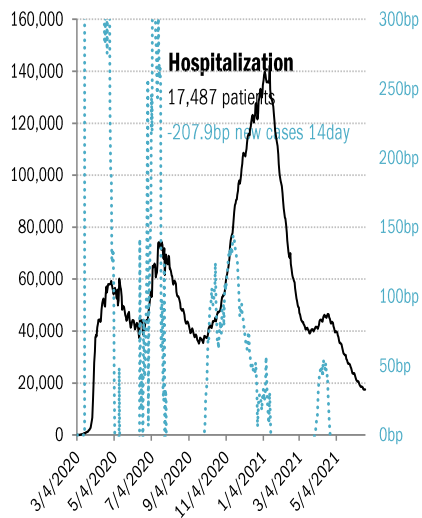
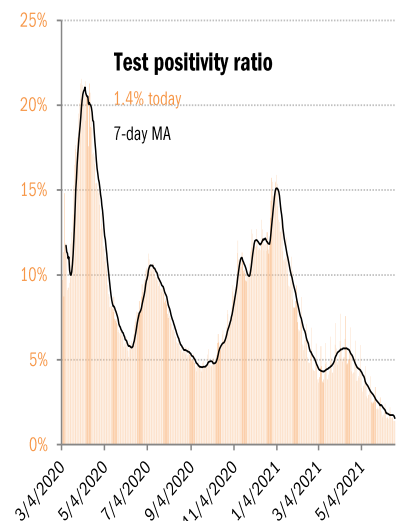
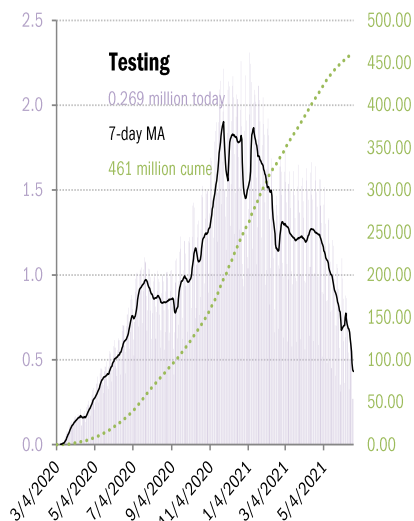
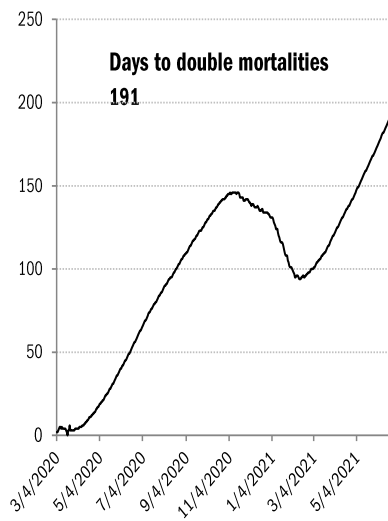
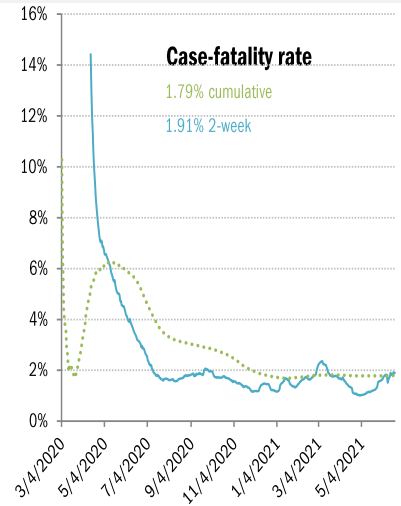
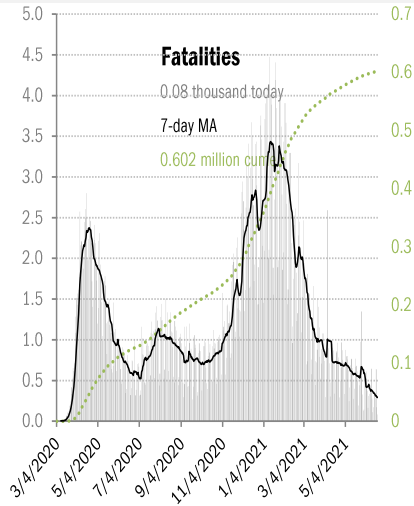
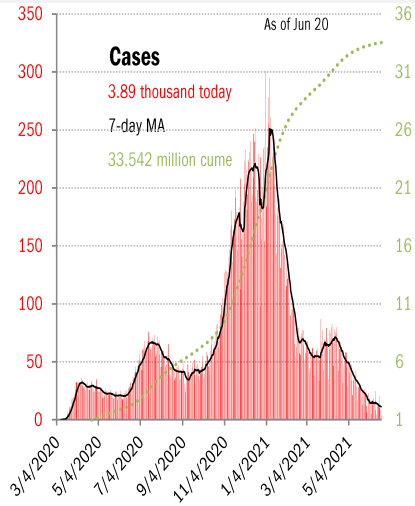
* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

** 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

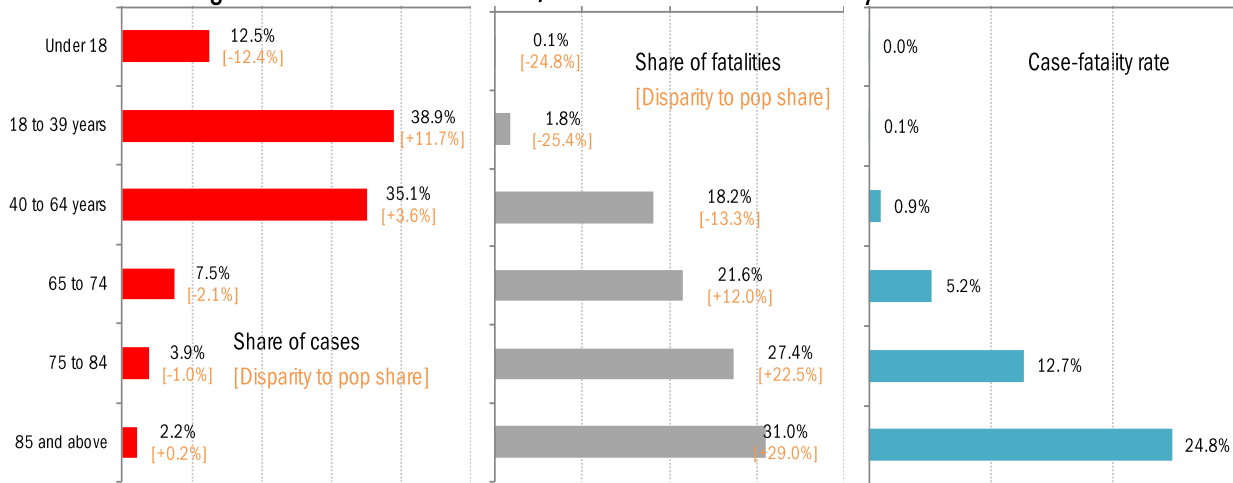
US deep-dive

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

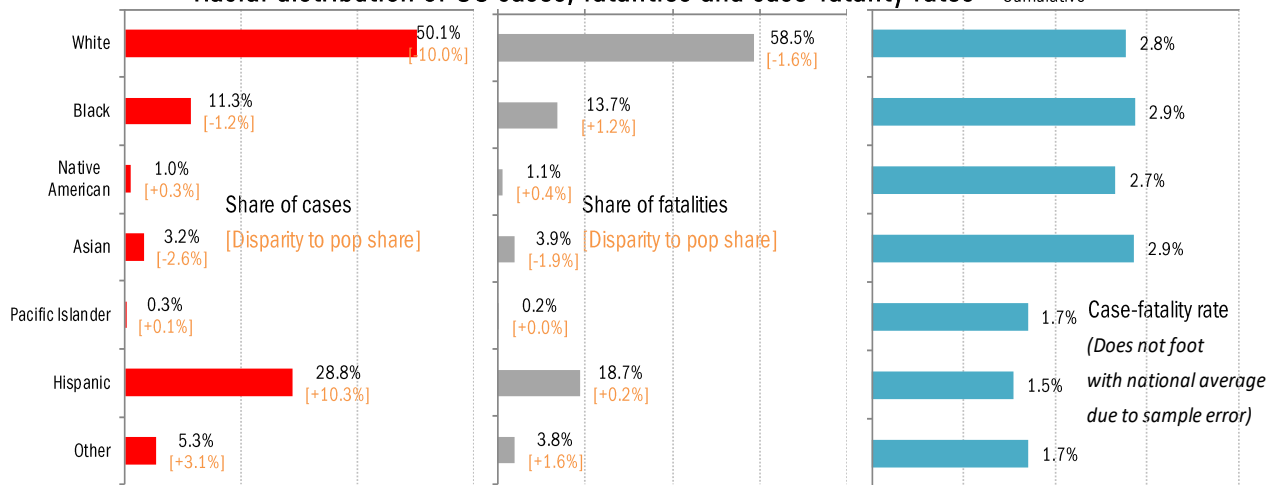


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

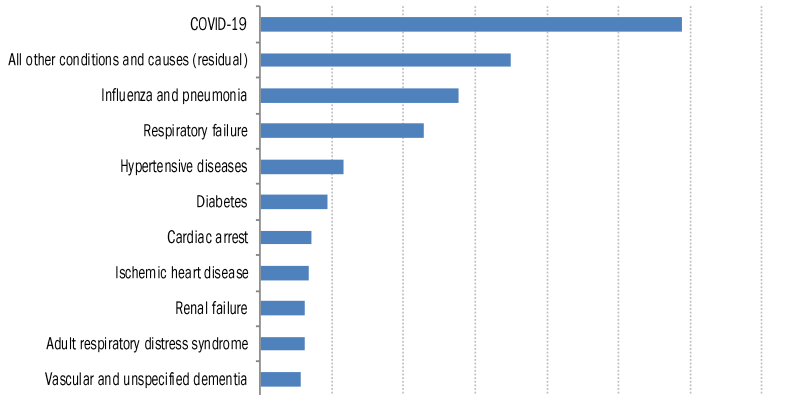


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jun 13

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

['We're Not Back to Normal,' but New Yorkers Savor Reopening Weekend](#)

Troy Closson
New York Times
June 20, 2021

[Why Has "Ivermectin" Become a Dirty Word?](#)

Matt Taibbi
Substack
June 18, 2021

[Ivermectin for Prevention and Treatment of COVID-19 Infection](#)

Andrew Bryant et al.
American Journal of Therapeutics
June 17, 2021

[Maskless Among the Lemmings](#)

Andy Kessler
Wall Street Journal
June 20, 2021

[Tokyo Olympics to Allow Spectators at Summer Games](#)

Alastair Gale
Wall Street Journal
June 21, 2021

[Discredited COVID Investigators Lead New WHO 'Strategic' Group On Pandemics.](#)

Natalie Winters
National Pulse
June 20, 2021

[New York Faces Lasting Economic Toll Even as Pandemic Passes](#)

Nelson D. Schwartz, Patrick McGeehan and Nicole Hong
New York Times
June 20, 2021

[Scoop: Fauci's offensive against "craziness"](#)

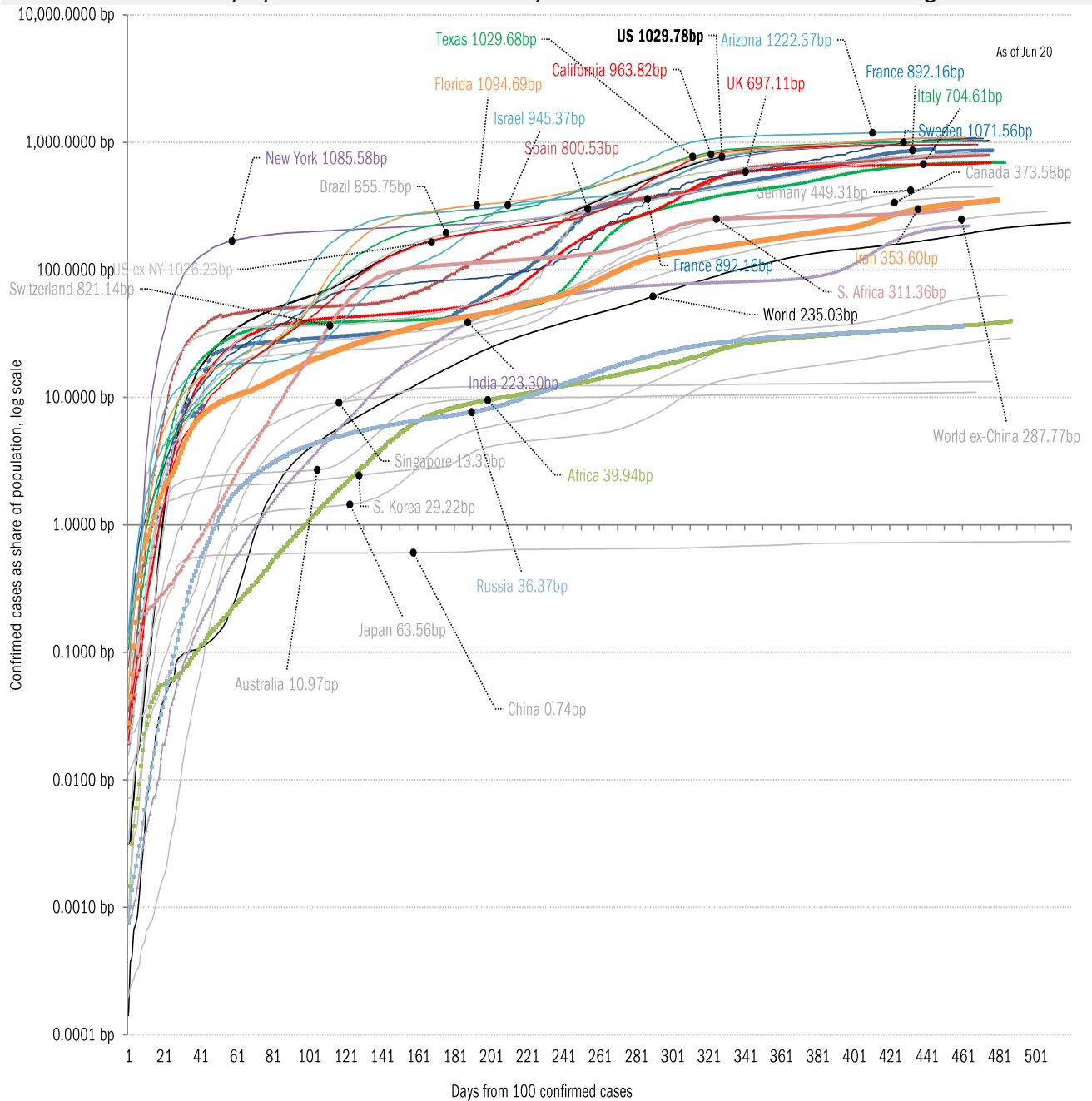
Mike Allen
Axios
June 20, 2021

Meme of the day



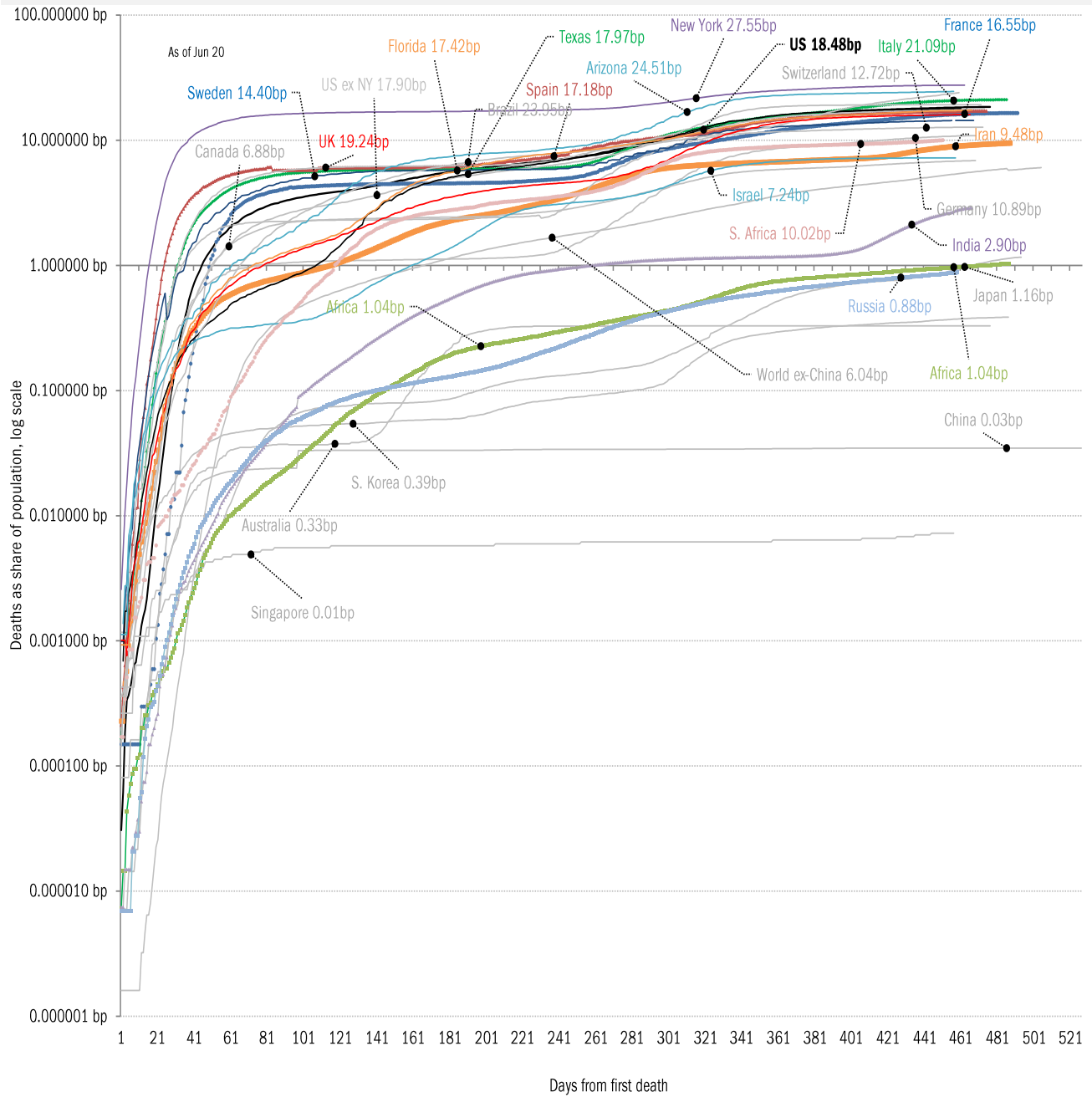
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

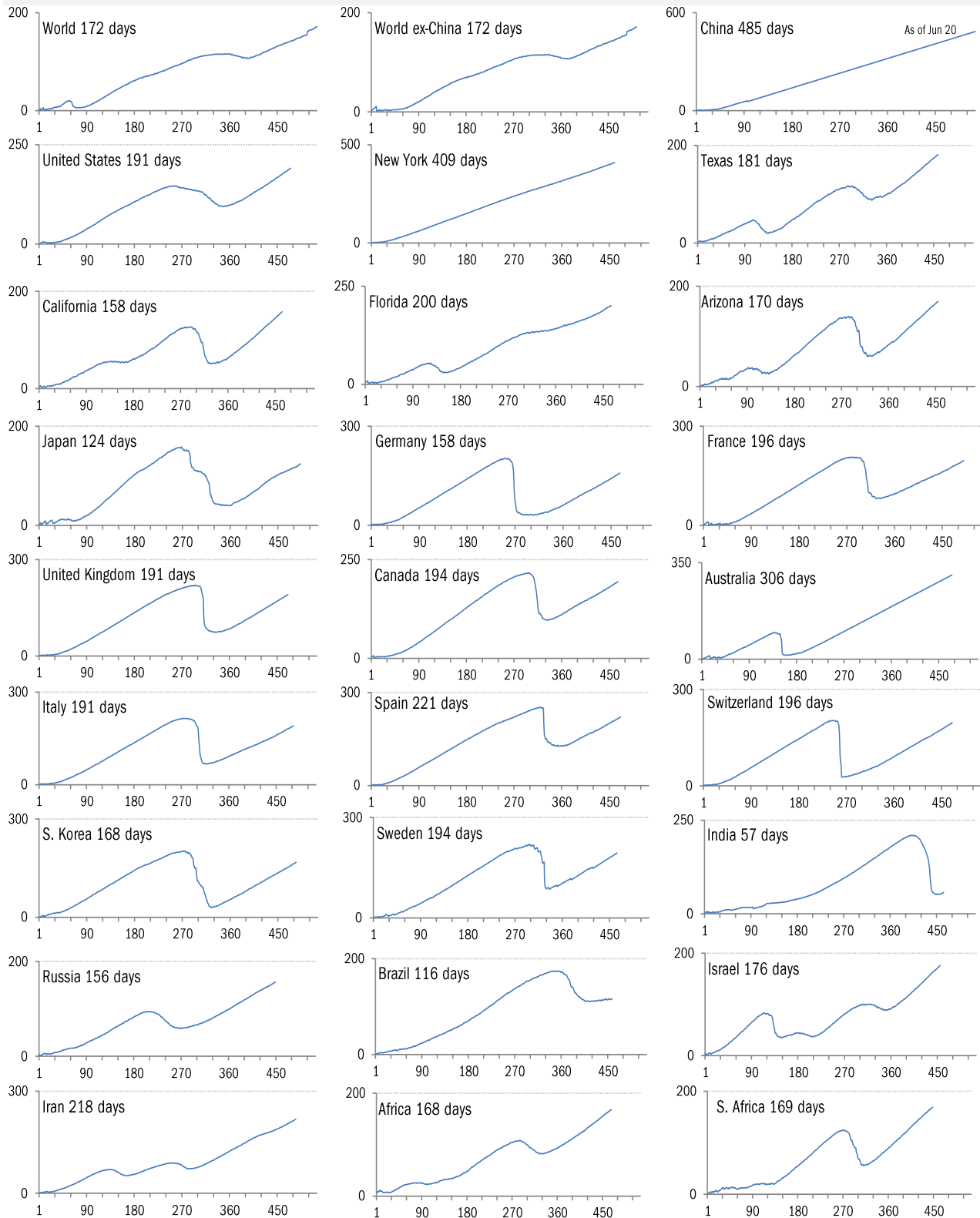


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

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

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

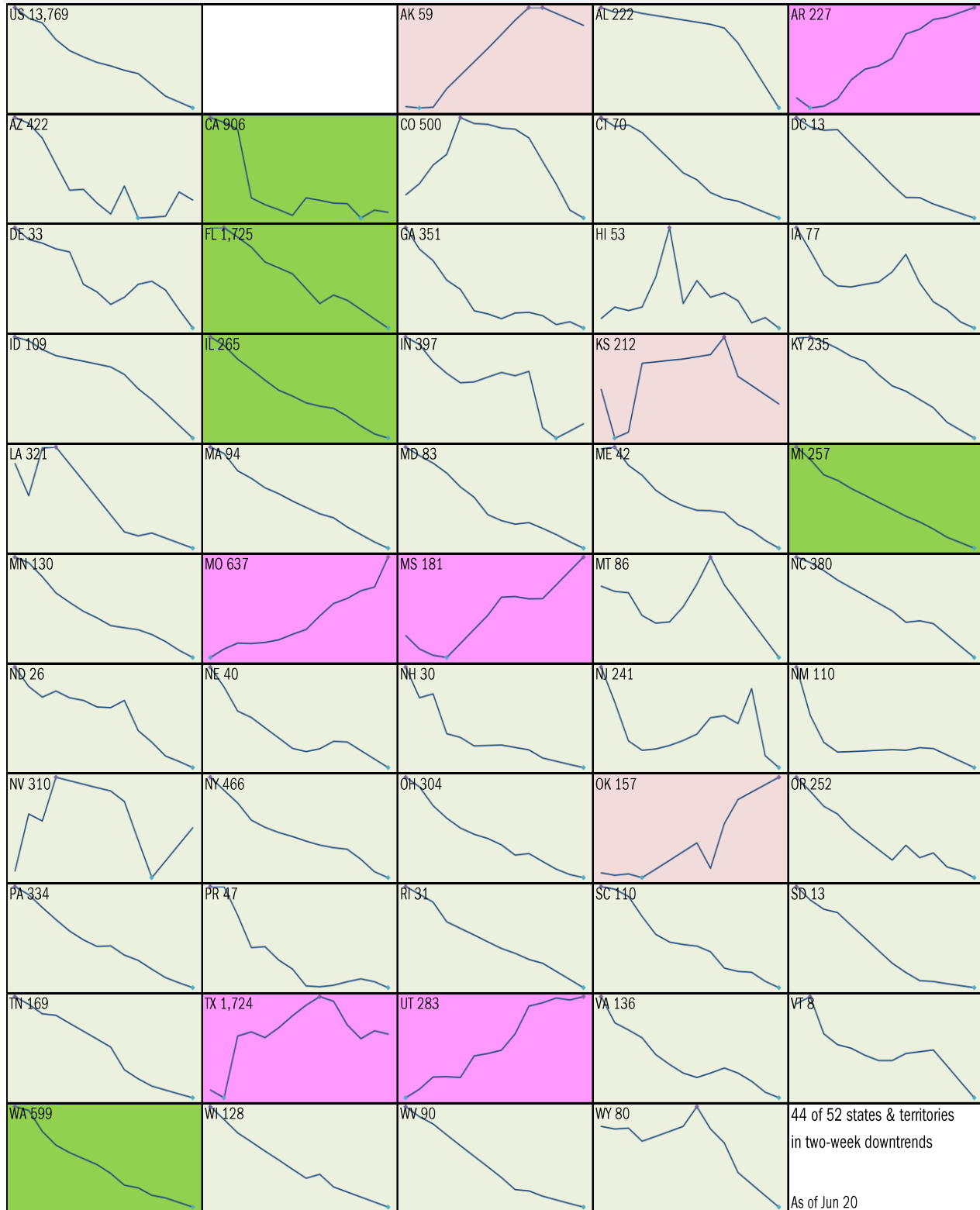


Source: [Johns Hopkins](#), TrendMacro calculations

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

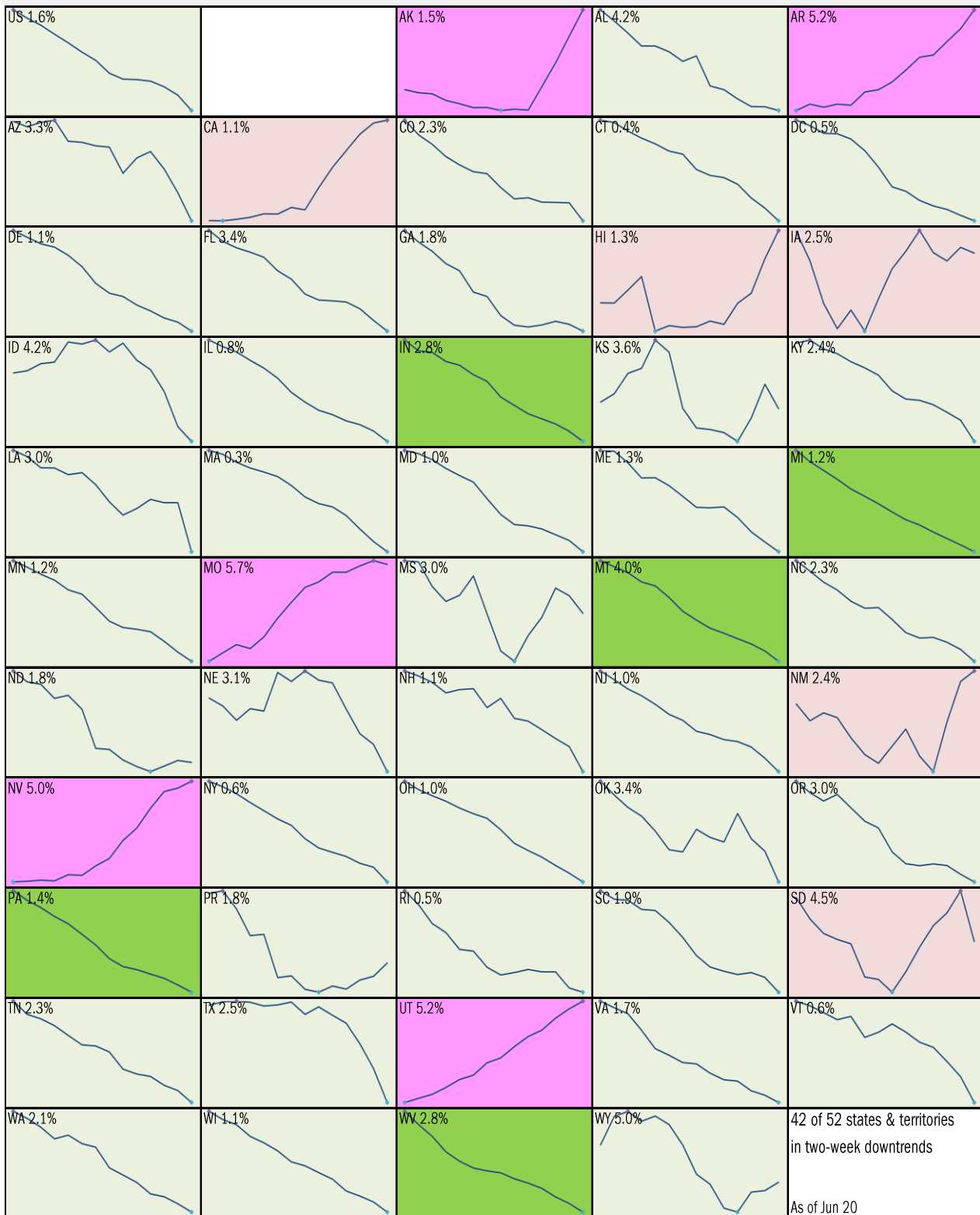


Source: [Johns Hopkins](#), TrendMacro calculations

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

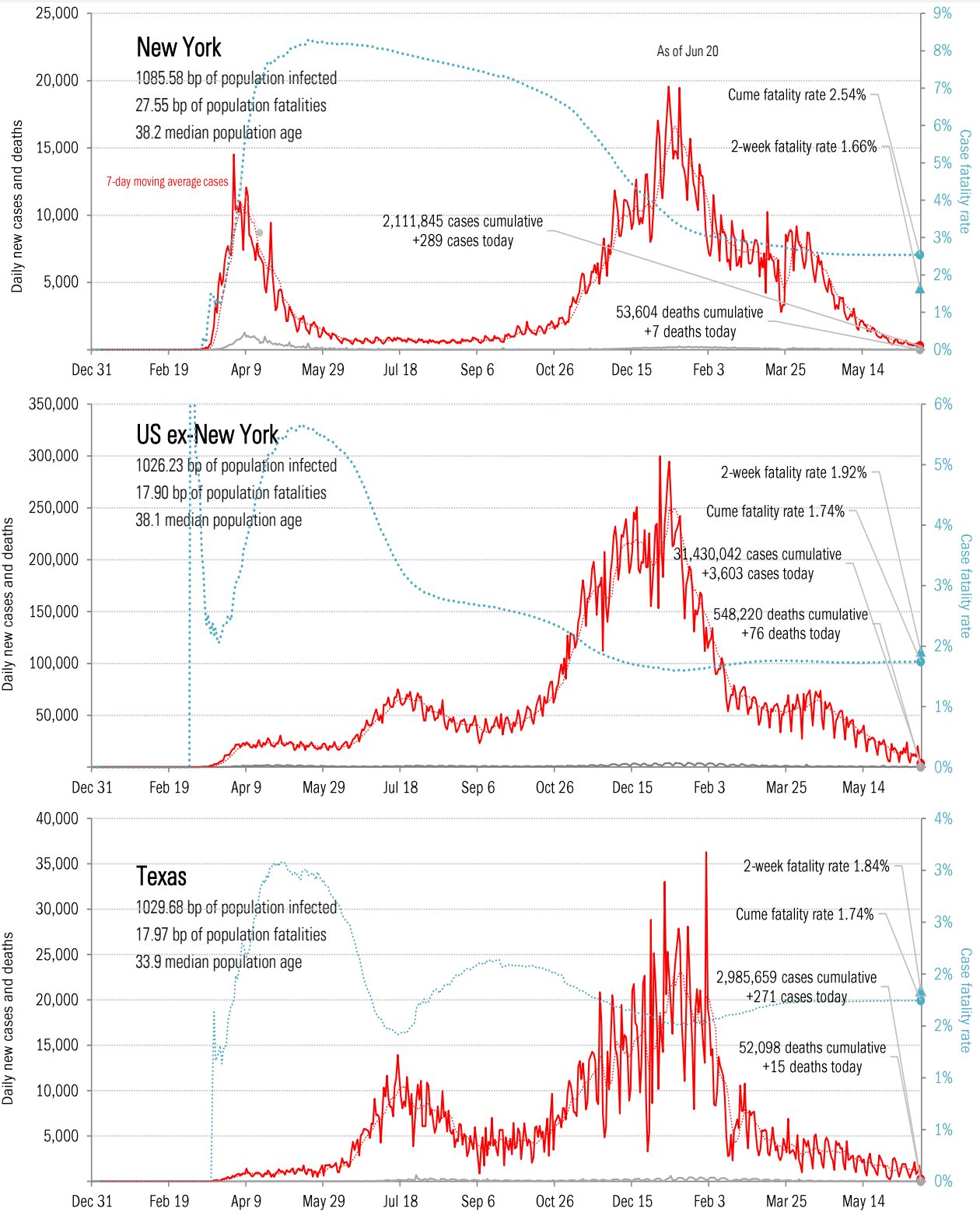
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



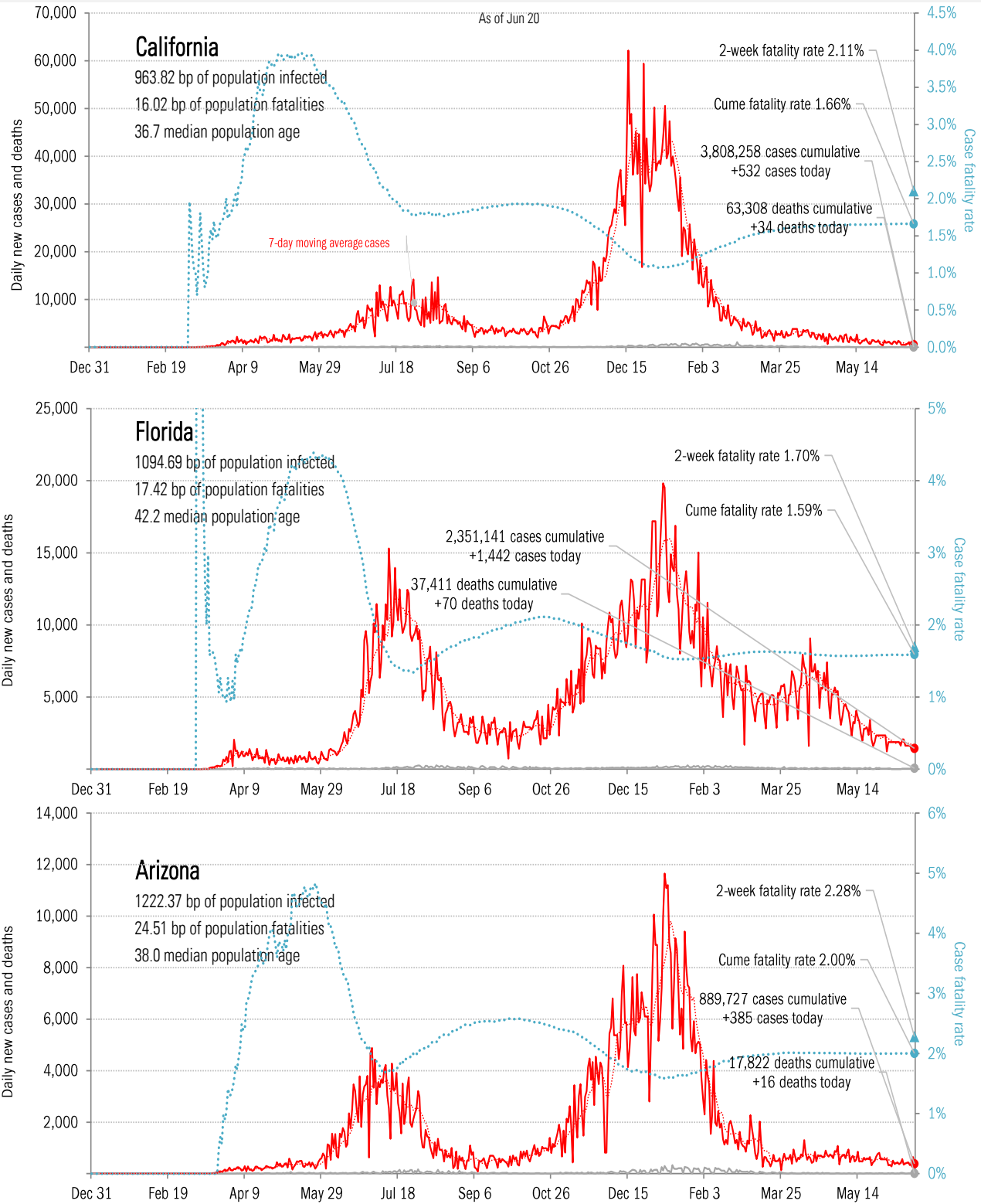
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



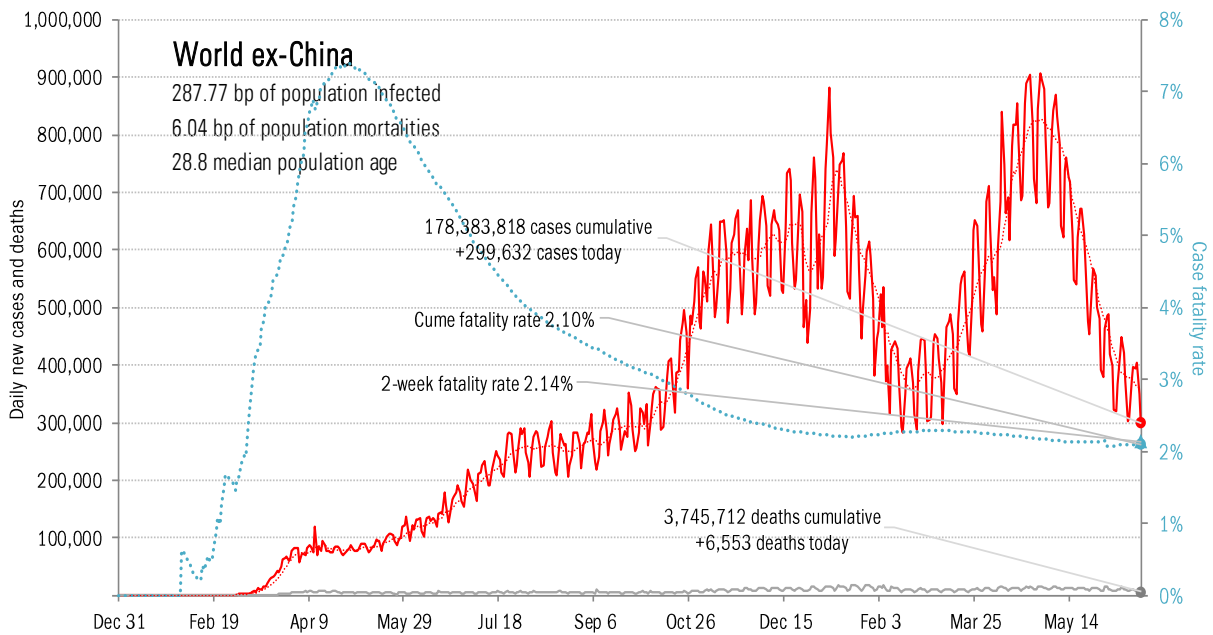
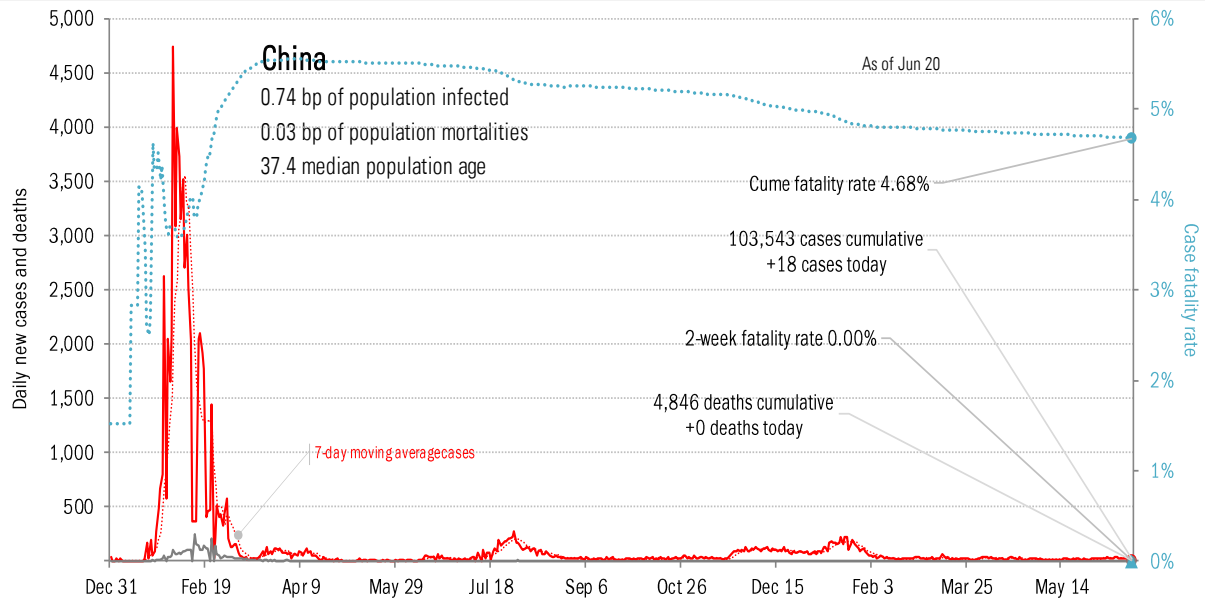
Source: [Johns Hopkins](#), TrendMacro calculations

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



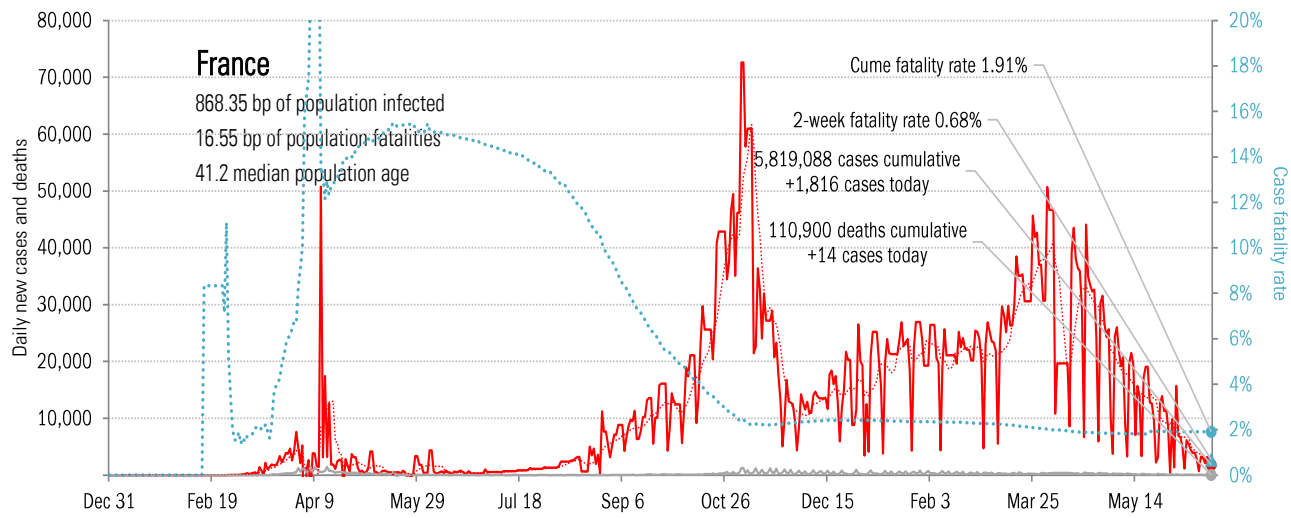
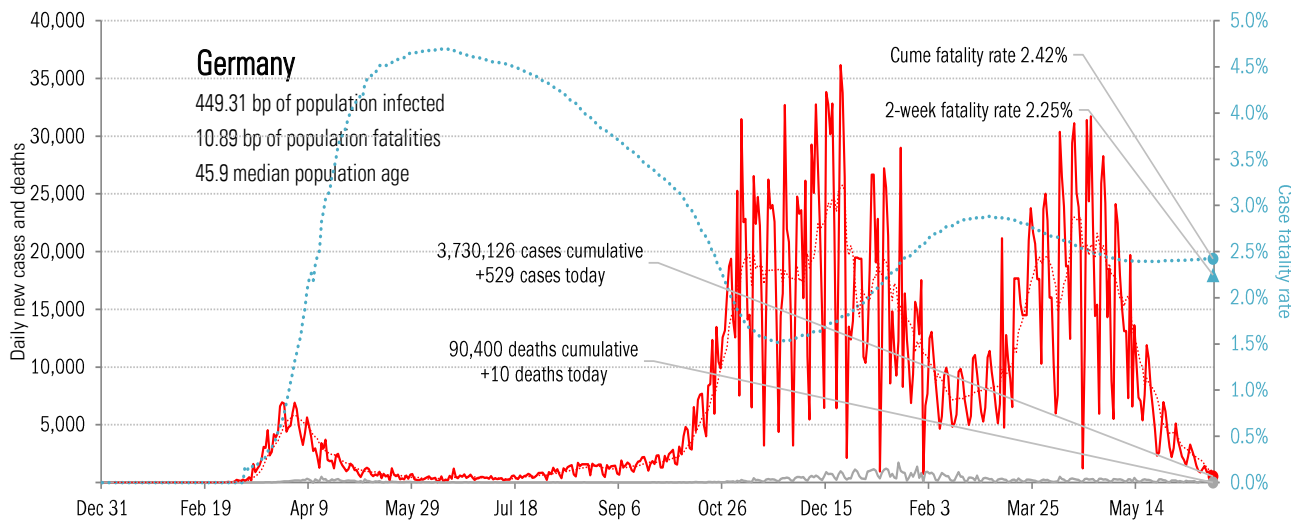
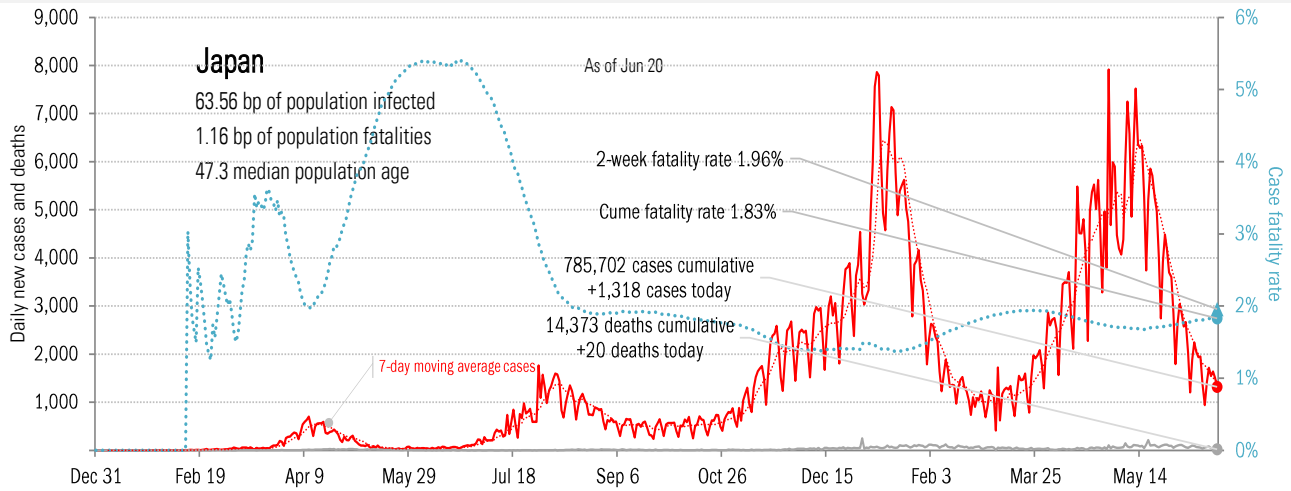
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



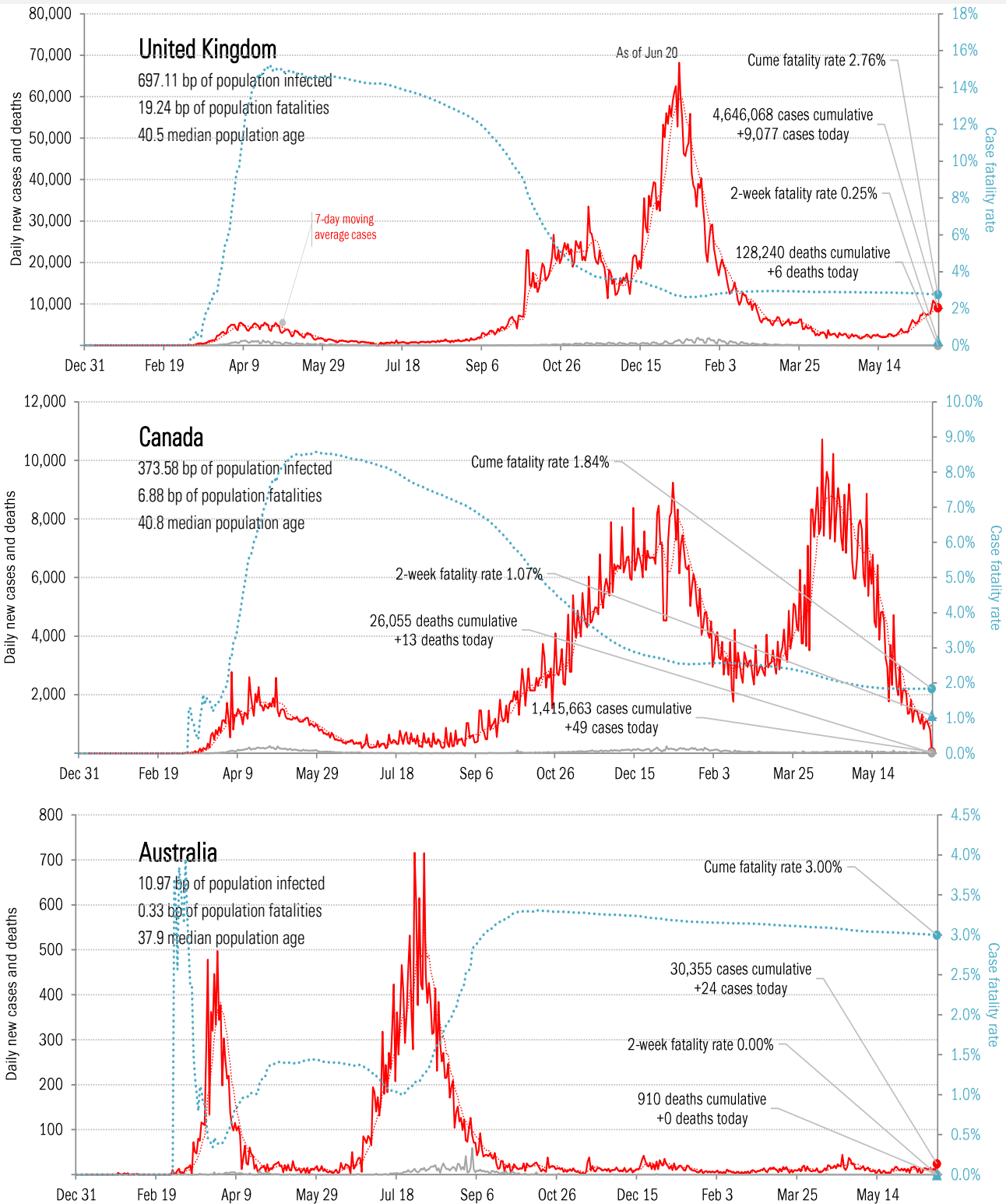
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



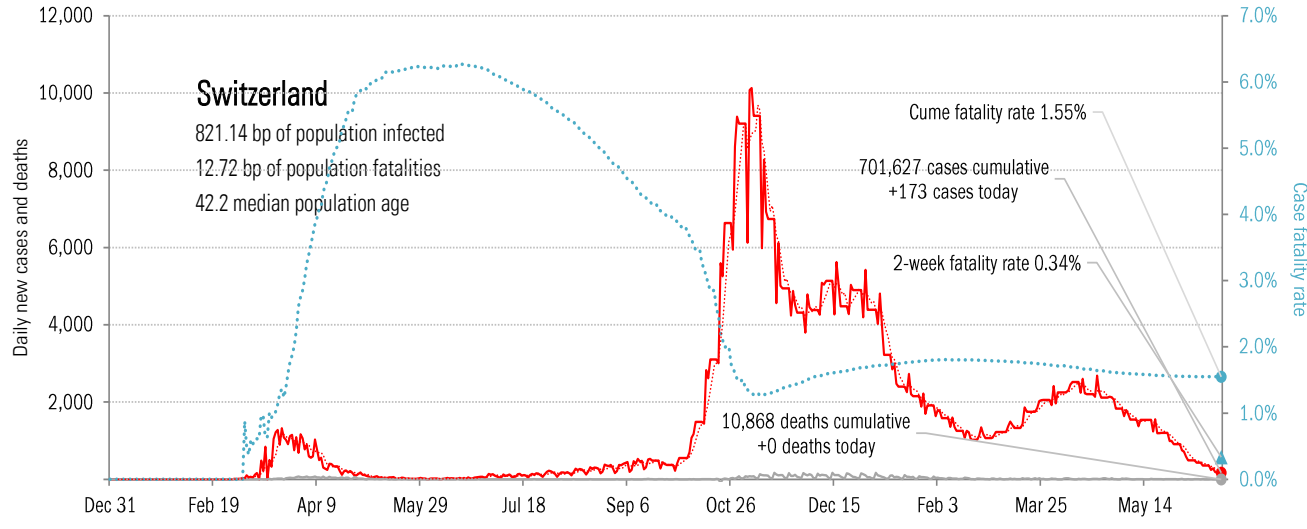
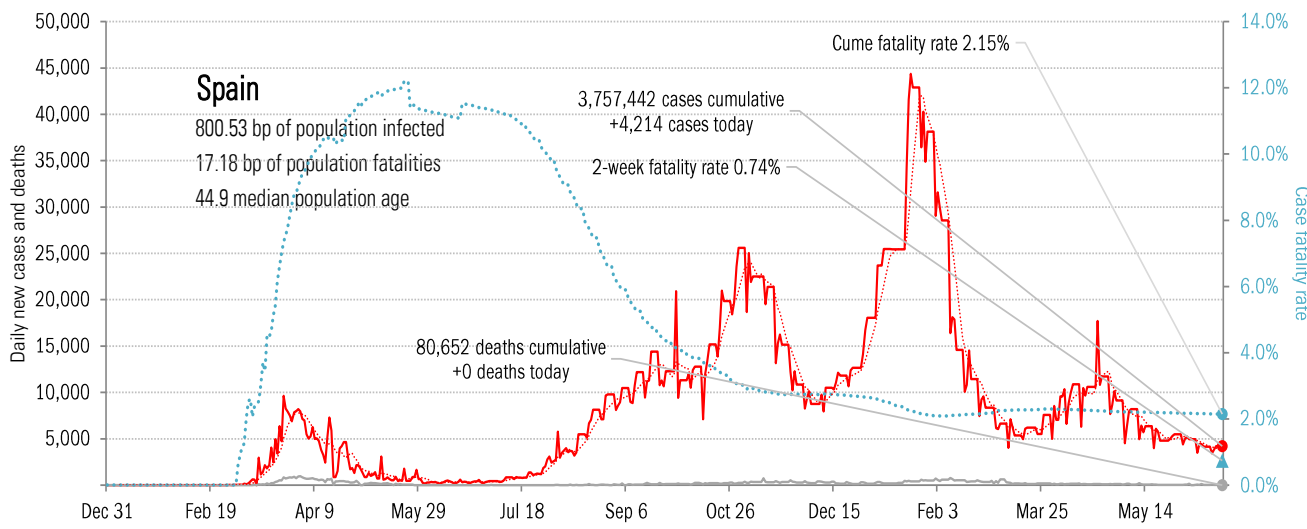
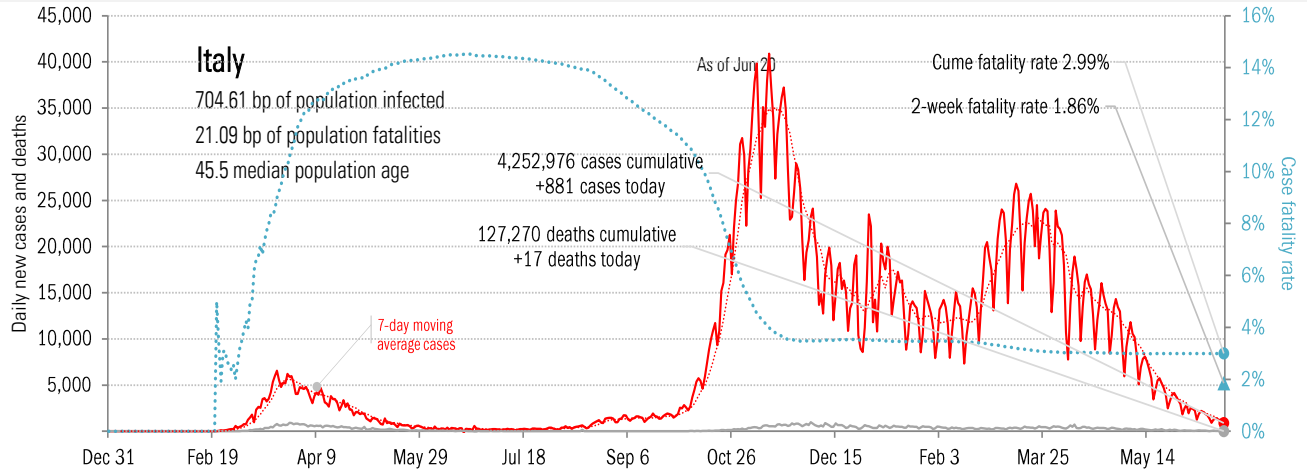
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



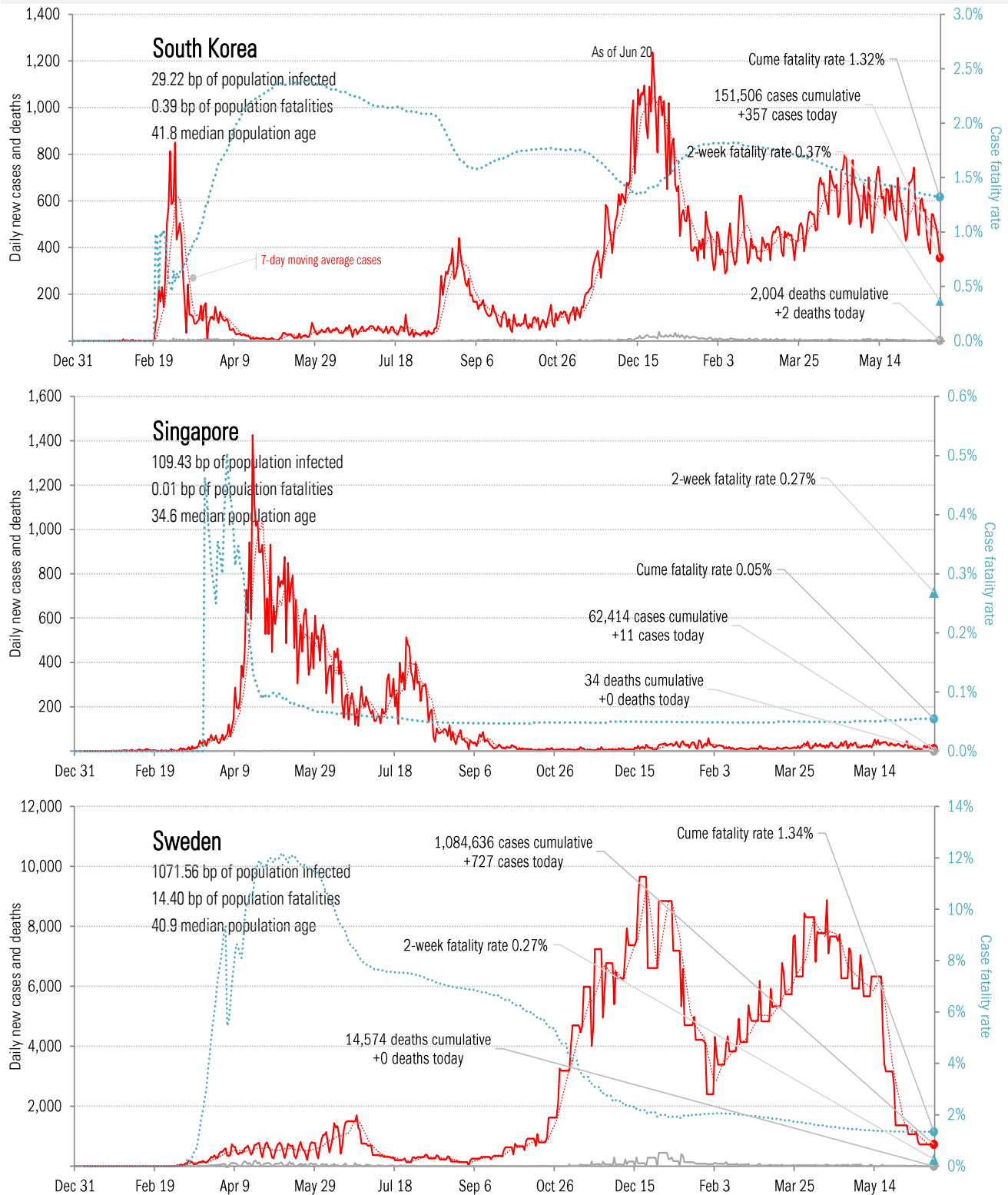
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



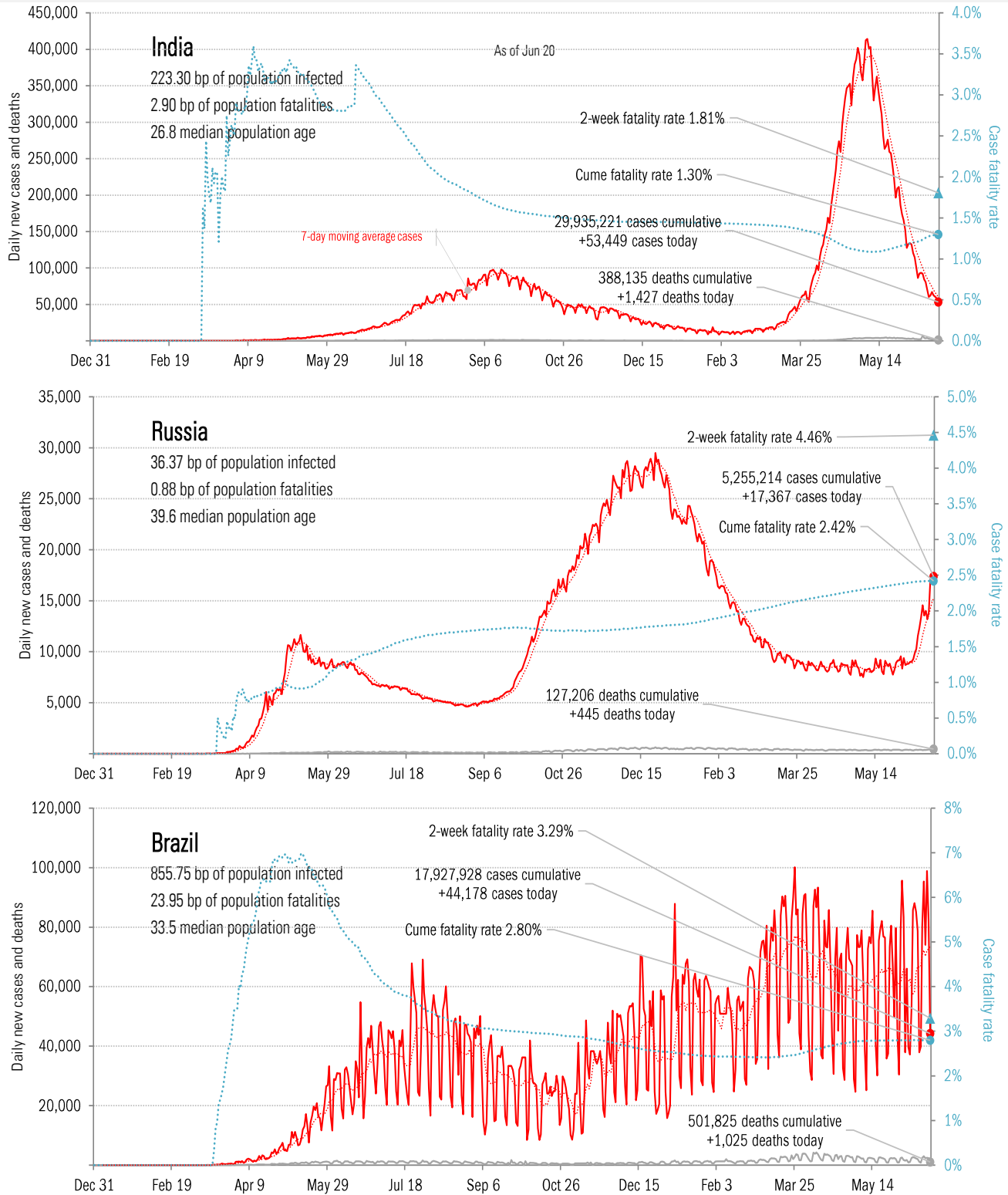
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



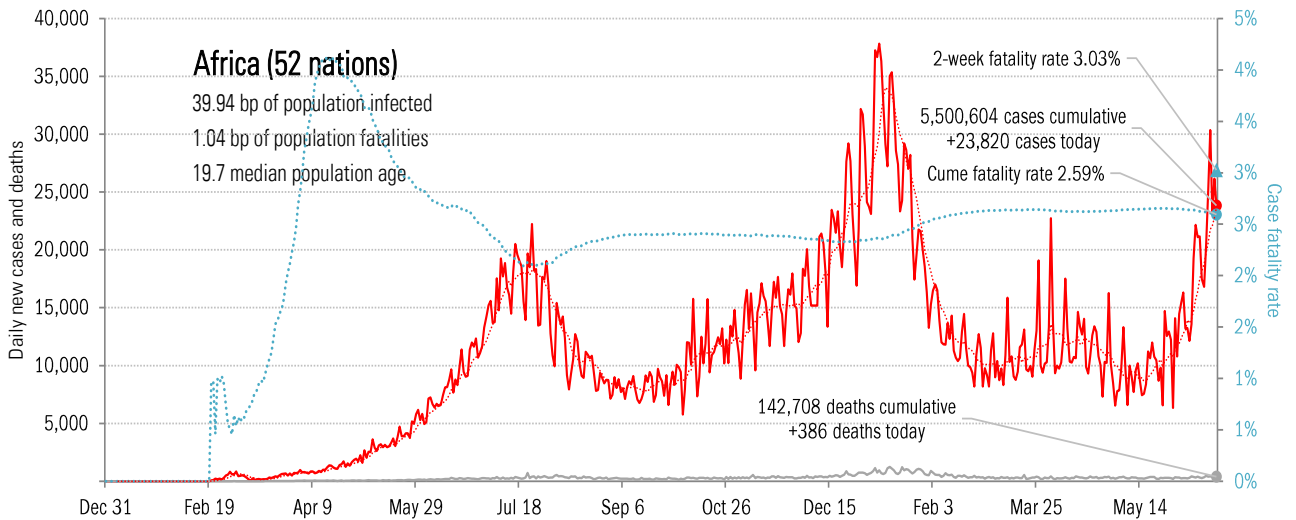
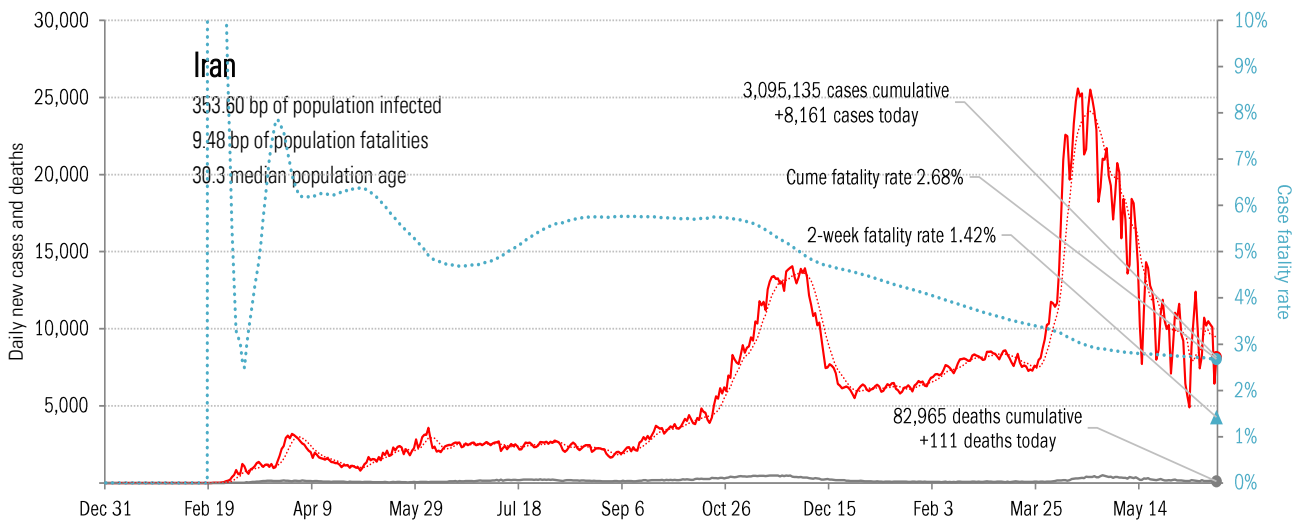
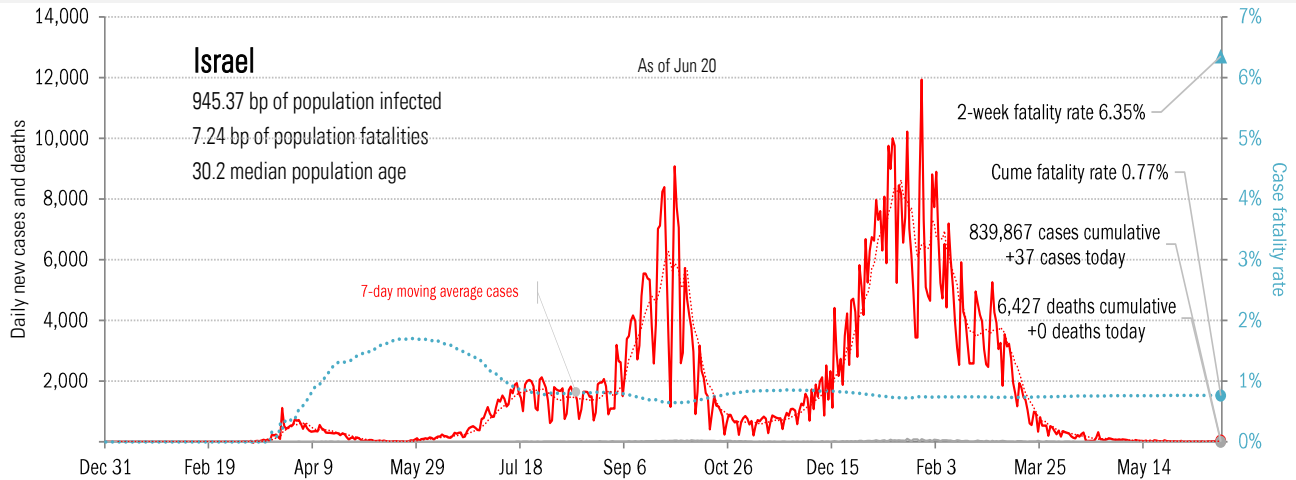
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



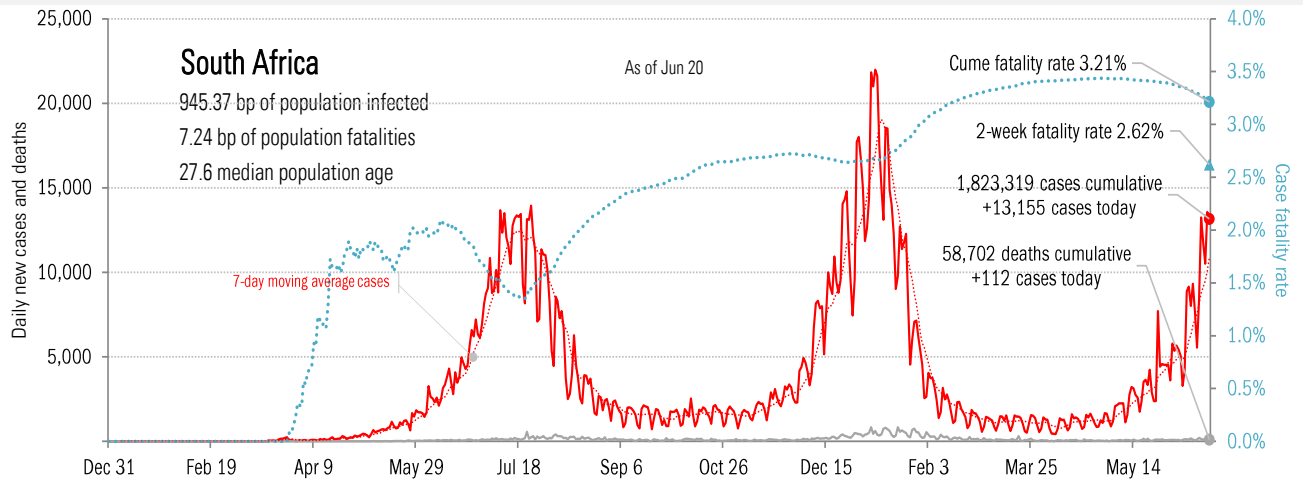
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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