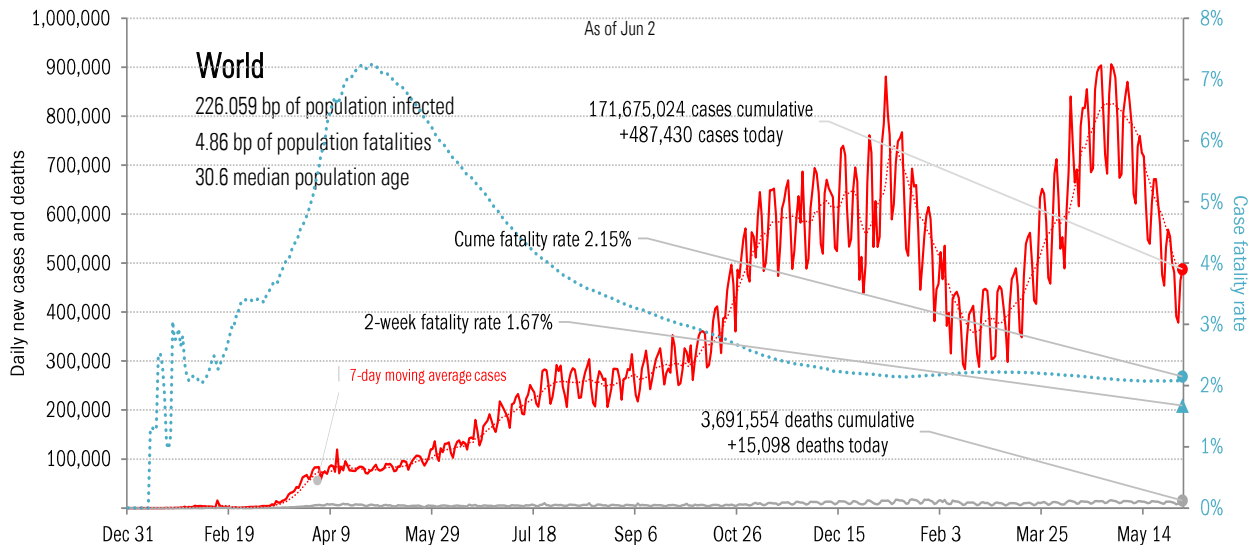
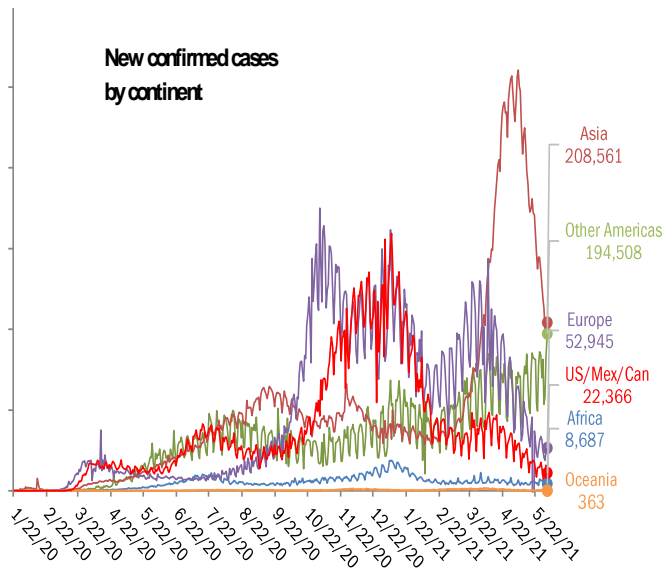


Data Insights: Covid-2019 Monitor

Thursday, June 3, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+134,154	India	+2,887
Brazil	+95,601	Brazil	+2,507
Argentina	+35,017	United States	+610
Colombia	+27,000	Argentina	+587
United States	+16,913	Colombia	+511
Iran	+11,620	Russia	+387
Peru	+9,963	Mexico	+306
Russia	+8,702	Indonesia	+185
Ireland	+7,917	Ukraine	+165
Malaysia	+7,703	Germany	+164
+354,590		+8,309	
World +487,430		World +15,098	
Top ten 73%		Top ten 55%	



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

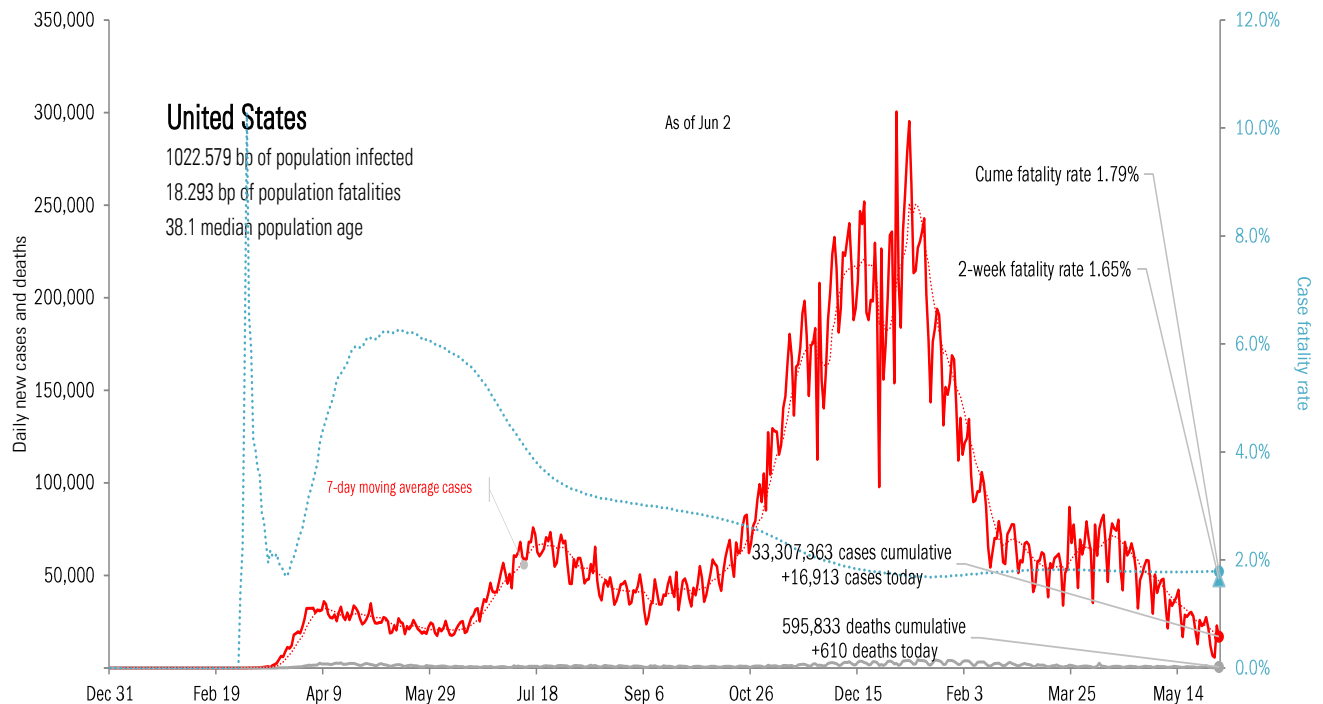
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+2,492		CH	+62		LA	+67		CA	3,791,889		CA	63,294		TX	247,997		R	92%	ME	17%
FL	+1,234		FL	+55		HI	+65		TX	2,956,576		NY	53,338		CA	235,981		MA	84%	WA	15%
AZ	+915		TX	+50		GA	+37		FL	2,327,989		TX	51,575		FL	179,681		MO	81%	MI	14%
CA	+913		PA	+45		MO	+22		NY	2,103,269		FL	36,924		NY	134,248		PA	81%	CO	13%
WA	+693		MO	+38		FL	+12		IL	1,382,979		PA	27,259		GA	106,566		MD	80%	WV	13%
LA	+641		MI	+34		SC	+9		PA	1,208,133		NJ	26,247		PA	89,851		GA	79%	ID	13%
CO	+576		CA	+33		MS	+8		GA	1,124,571		IL	25,241		CH	85,751		MI	79%	MO	12%
AL	+553		GA	+29		NM	+5		CH	1,102,890		GA	20,867		IL	80,728		SC	79%	WY	11%
PA	+523		NJ	+28		MT	+4		NJ	1,016,763		MI	20,423		KY	75,247		DC	79%	NM	11%
MI	+497		OK	+25		AR	+3		NC	1,003,508		CH	19,923		MI	71,646		CT	78%	MS	11%
+9,037			+399			+232			18,018,567			345,091			1,307,696						
All states	+16,913		+610			-219			All states	33,307,363		595,833			2,328,539			All states	70%	67%	
Top ten	53%		65%			-106%			Top ten	54%		58%			56%			Median	71%	8%	

Some states not reporting

Five most improved US states

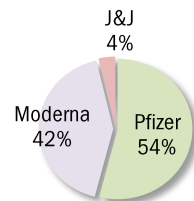
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-4,703	KY	-281	IN	-85	ME	+53 bp
NC	-1,824	FL	-40	IL	-79	MP	+44 bp
CA	-491	NY	-17	CA	-66	NH	+43 bp
MI	-487	NC	-14	TX	-63	MS	+27 bp
WV	-462	LA	-13	OK	-50	NJ	+24 bp



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	379,459,375				+0.660 million	US	40.7%	50.5%
Doses administered	306,029,478				+0.510 million	UK	38.4%	58.3%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	17.1%	38.8%
Total population	173,221,871	52%	140,065,430	42%	+0.288 million	Spain	20.7%	39.4%
Age 12 to 17	6,380,658	25%	2,316,096	9%	+0.017 million	Germany	19.5%	45.1%
Age 18 to 64	118,121,014	58%	95,270,078	47%	+0.235 million	Italy	20.5%	40.0%
Age 65 and over	48,607,990	89%	42,470,204	78%	+0.036 million	Australia	2.1%	15.5%



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 **338 days** by May 5, 2022
 65.9% of population >18 immunized
 14.0% previously tested positive
79.9% vs 60% adult herd immunity*

Global data differs from sources, timing

AK
59.1%
46.2%
39.4%

ME
70.4%
63.6%
55.0%

WI	VT	NH								
53.7%	76.1%	68.3%								
51.2%	70.7%	60.1%								
44.6%	56.6%	49.6%								
WA	ID	MT	ND	MN	IL	MI	NY	MA		
61.8%	47.9%	54.1%	47.5%	59.0%	59.4%	59.4%	61.6%	71.0%		
56.9%	37.7%	45.3%	42.2%	54.5%	55.2%	48.9%	56.0%	66.7%		
46.9%	32.9%	38.4%	36.6%	46.2%	40.2%	42.3%	47.2%	54.0%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
68.0%	50.2%	46.7%	56.2%	55.7%	51.0%	54.0%	63.1%	65.2%	67.5%	72.1%
55.1%	45.8%	37.2%	48.3%	49.4%	41.9%	46.0%	58.6%	60.6%	63.5%	61.2%
45.6%	37.0%	32.0%	42.5%	44.0%	35.5%	40.3%	43.9%	49.1%	53.7%	51.9%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
63.3%	51.1%	61.8%	54.7%	50.7%	51.3%	54.3%	60.8%	69.4%	66.5%	
57.0%	45.3%	54.4%	48.6%	42.3%	46.5%	40.9%	55.5%	57.6%	54.9%	
43.3%	32.5%	45.6%	42.5%	34.5%	38.6%	34.1%	45.5%	48.2%	43.5%	
AZ	NM	KS	AR	TN	NC	SC	DC			
56.6%	57.7%	54.1%	48.9%	47.3%	57.2%	52.4%	76.9%			
46.4%	57.9%	46.9%	39.6%	39.3%	43.5%	41.0%	57.2%			
36.2%	48.0%	38.5%	31.3%	31.9%	36.2%	33.9%	46.5%			
OK	LA	MS	AL	GA						
52.5%	44.5%	46.4%	49.6%	53.4%						
41.6%	35.9%	34.3%	36.1%	39.9%						
33.8%	31.4%	27.4%	29.3%	32.1%						
HI	TX	FL	PR							
68.1%	55.7%	59.0%	63.4%							
66.9%	44.4%	49.4%	51.1%							
47.8%	35.7%	39.3%	37.4%							

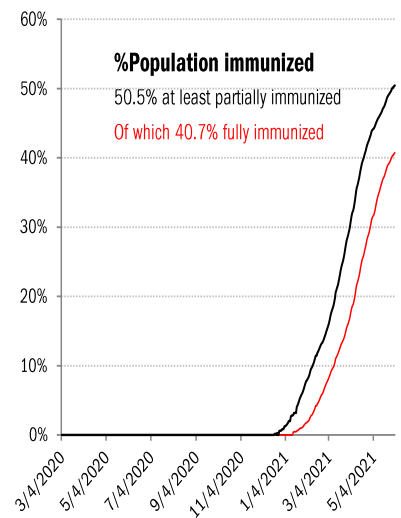
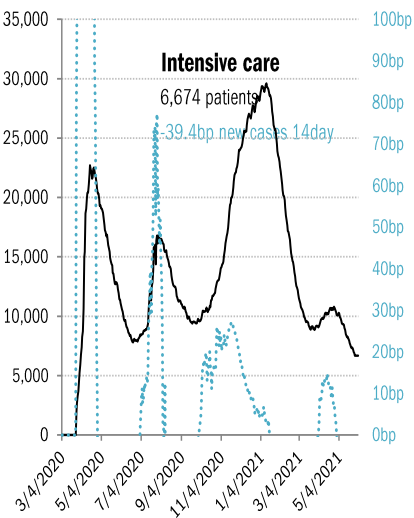
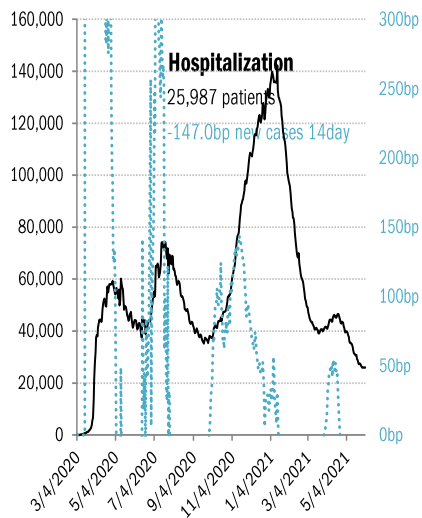
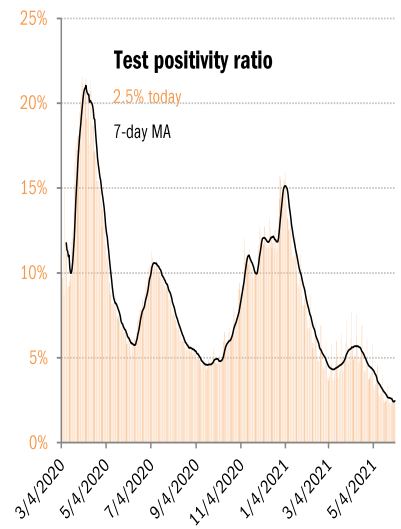
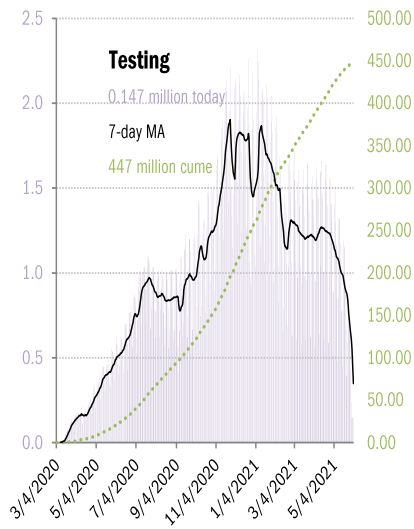
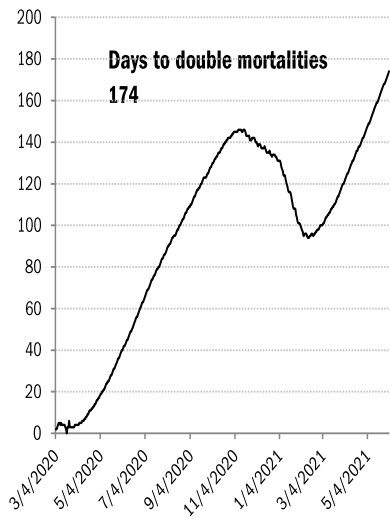
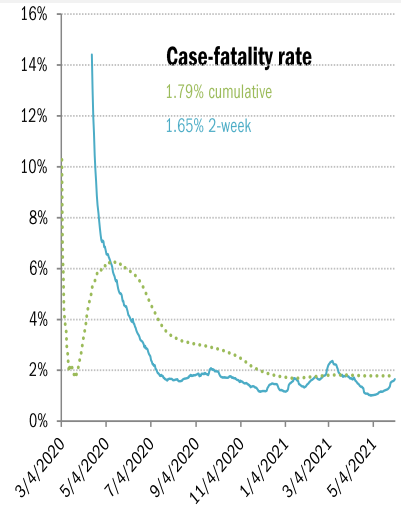
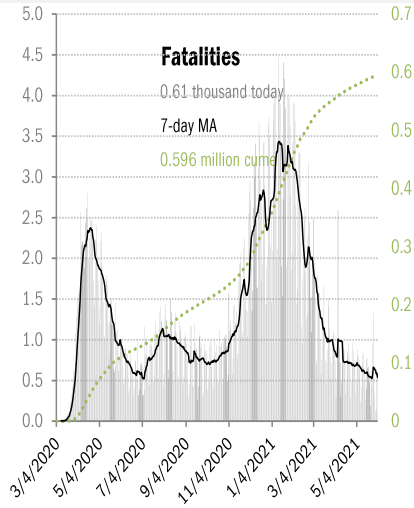
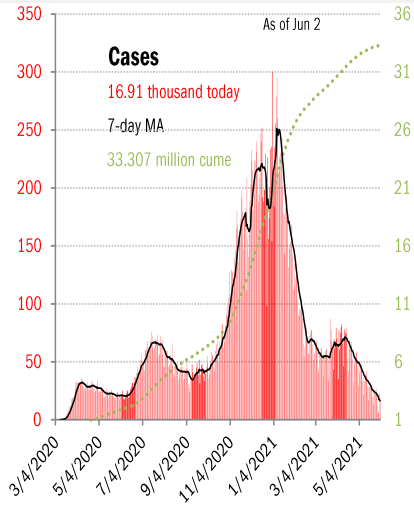
As of Jun 2

* 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

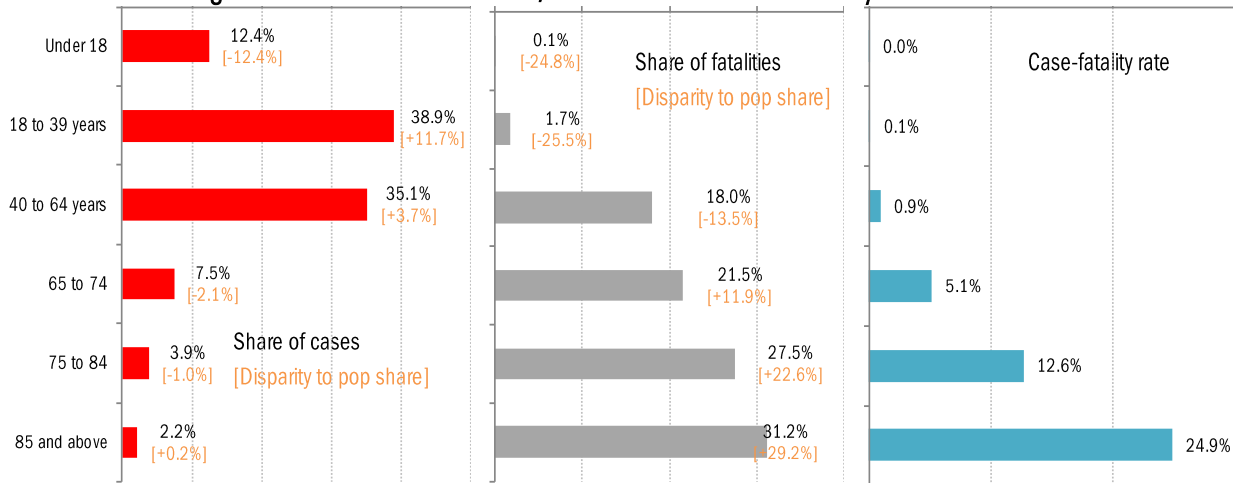
US deep-dive

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

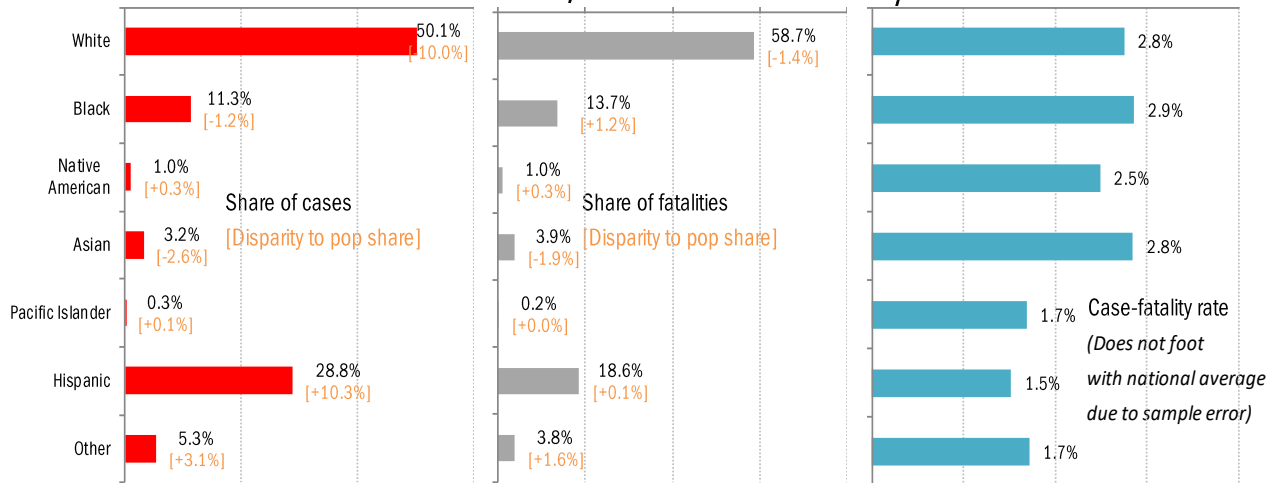


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

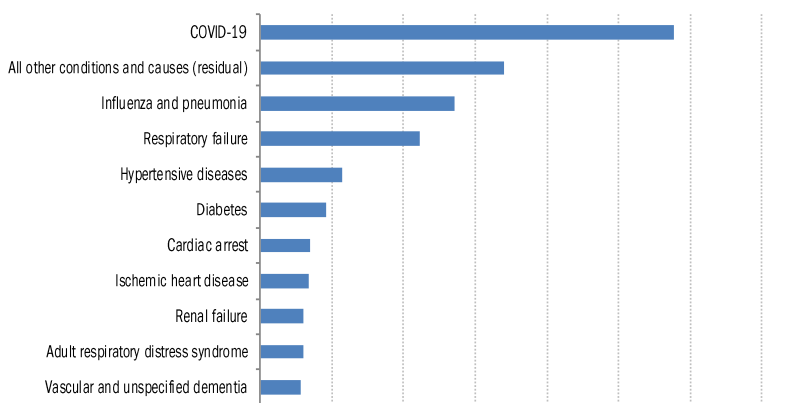


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of May 23

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

[Fauci FOIA email archives](#)

Buzzfeed

June 2, 2021

[Anthony Fauci's Emails Reveal The Pressure That Fell](#)

[On One Man](#)

Natalie Bettendorf and Jason Leopold

Buzzfeed

June 2, 2021

[Review of the Impact of COVID-19 First Wave](#)

[Restrictions on Cancer Care](#)

Carl Heneghan, Jon Brassey, and Tom Jefferson

Collateral Global

June 2021

[The America Works Report: Quantifying the Nation's Workforce Crisis](#)

US Chamber of Commerce

June 2, 2021

['Our society is totally nuts': Fauci emails lift lid on life in eye of the Covid storm](#)

Richard Luscombe and Martin Pengelly

The Guardian

June 1, 2021

[Fauci Said Masks 'Not Really Effective in Keeping Out Virus,' Email Reveals](#)

Darragh Roche

Newsweek

June 2, 2021

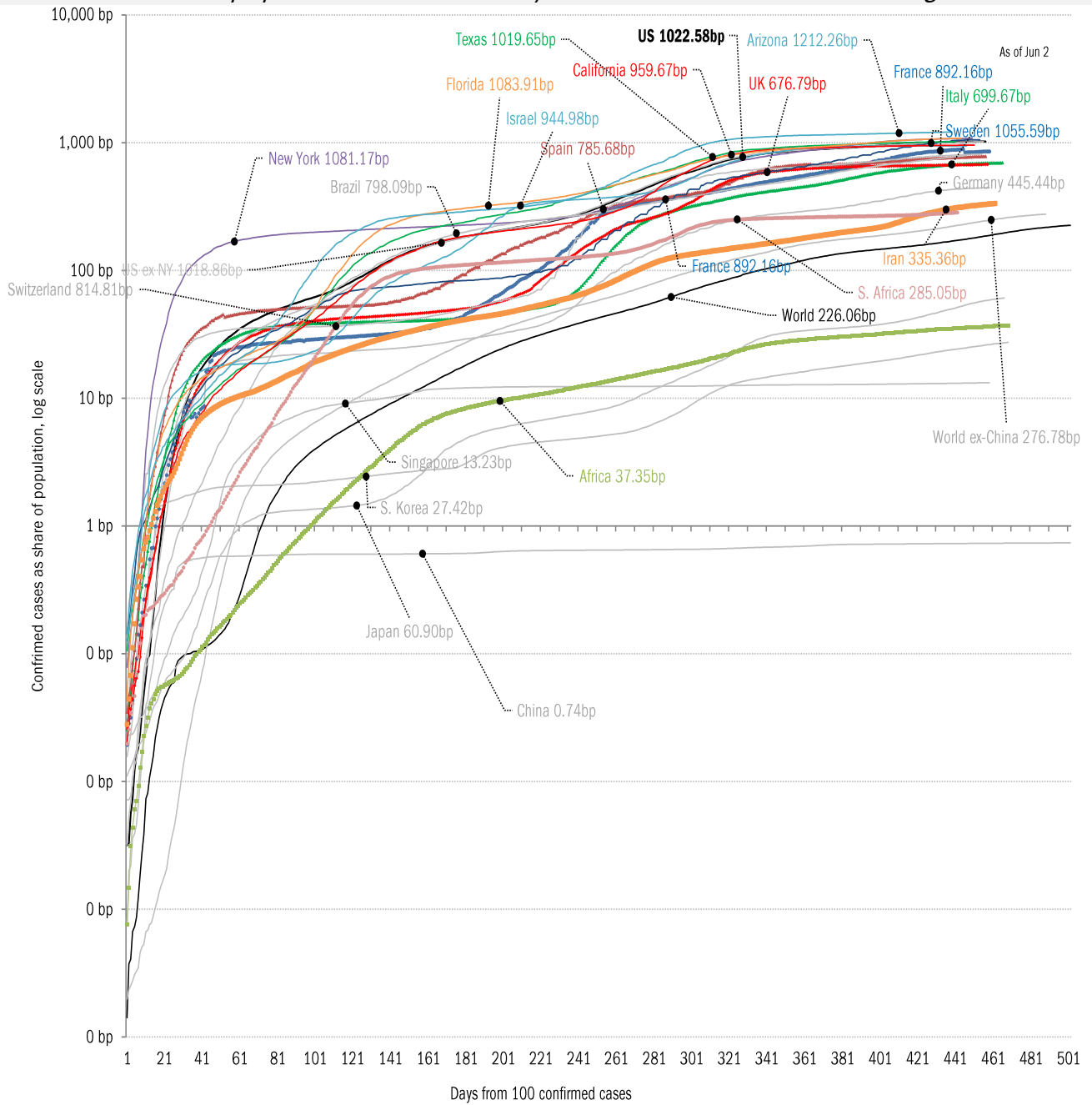
Meme of the day



The
SCOTTISH VARIANT
At least you can hear it coming.

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

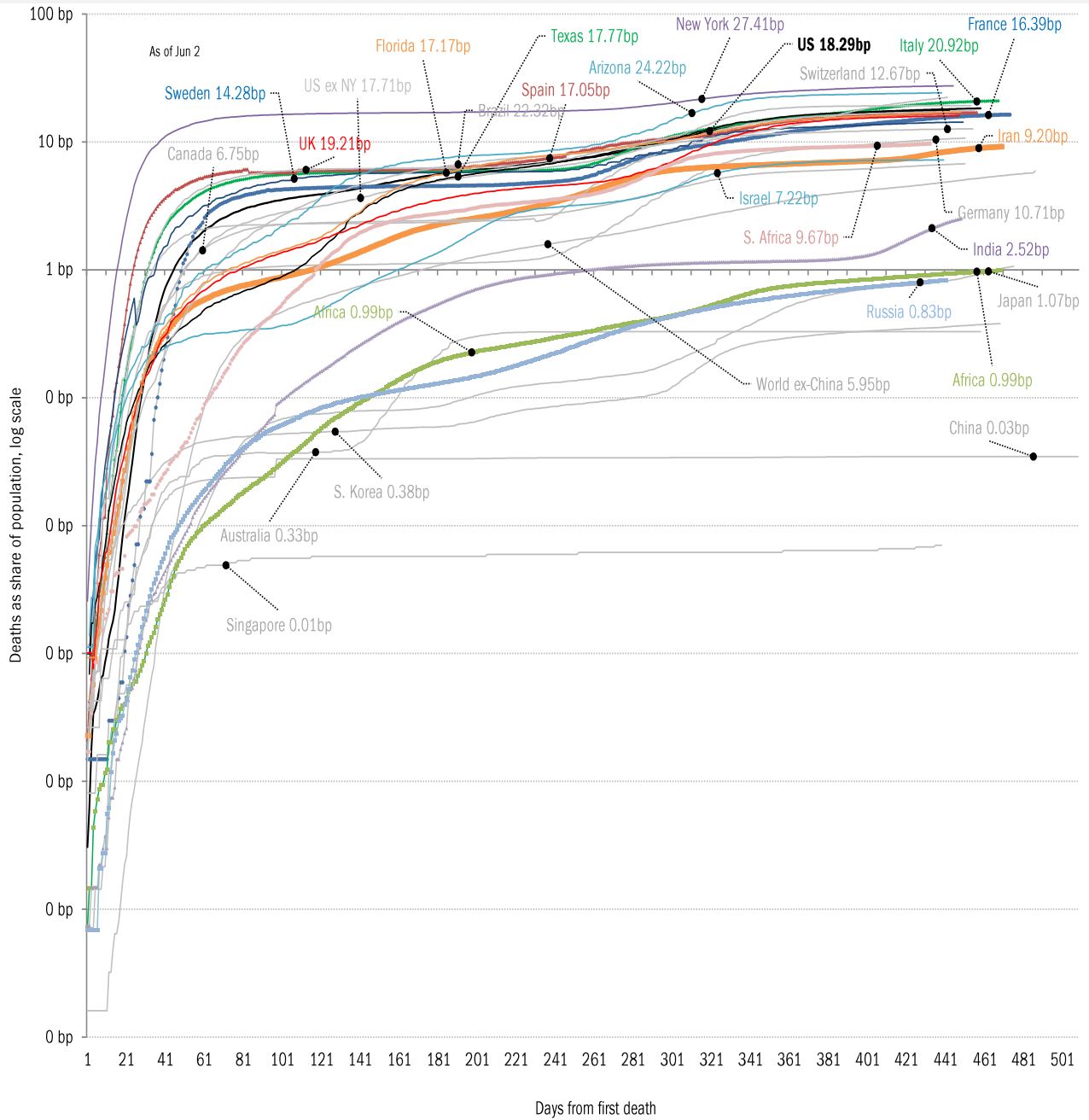
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

The coronavirus mortality accelerometer ... tracking the world's fatality curves

Share of deceased population from day of first fatality

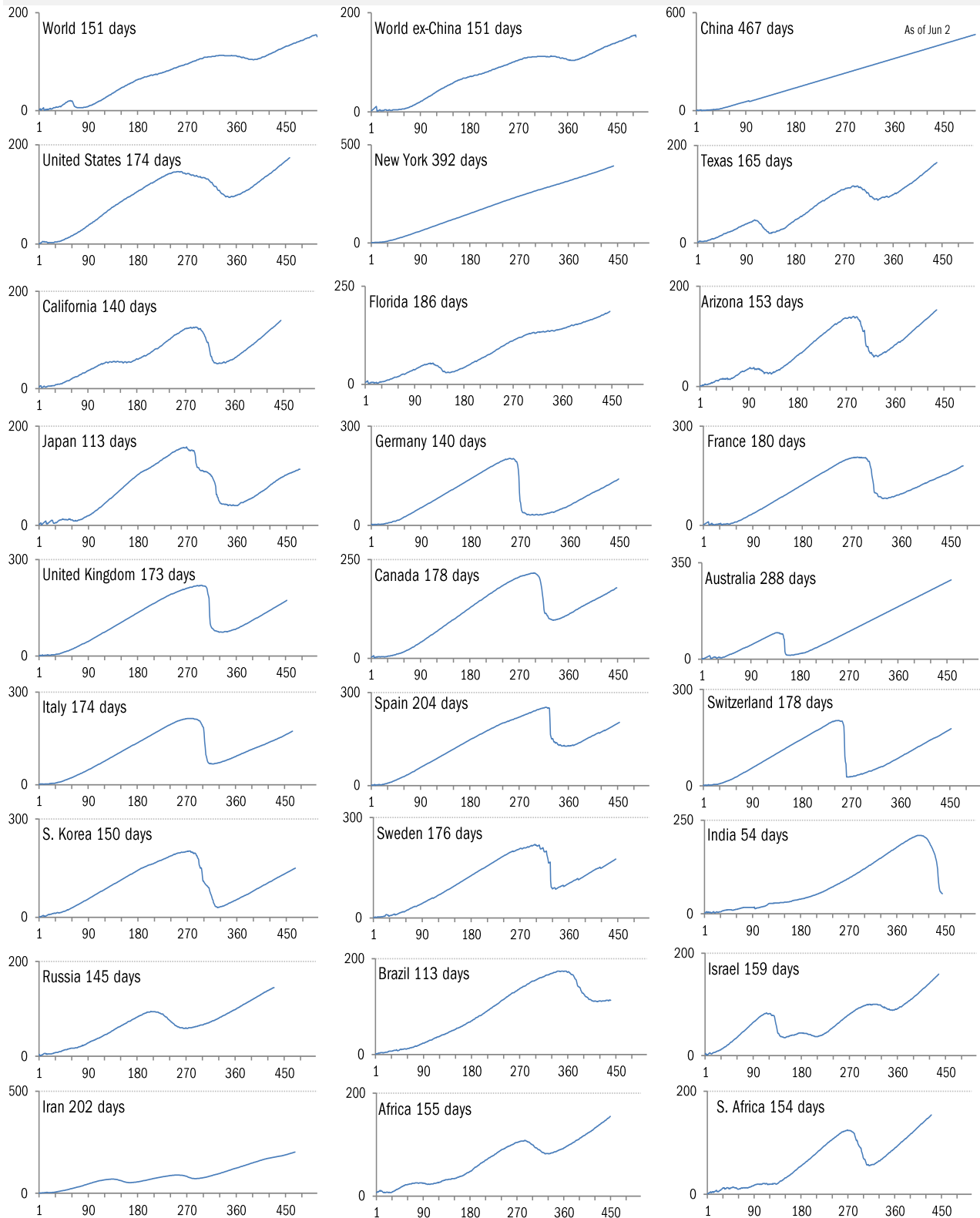


Source: [Johns Hopkins](#), TrendMacro calculations

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

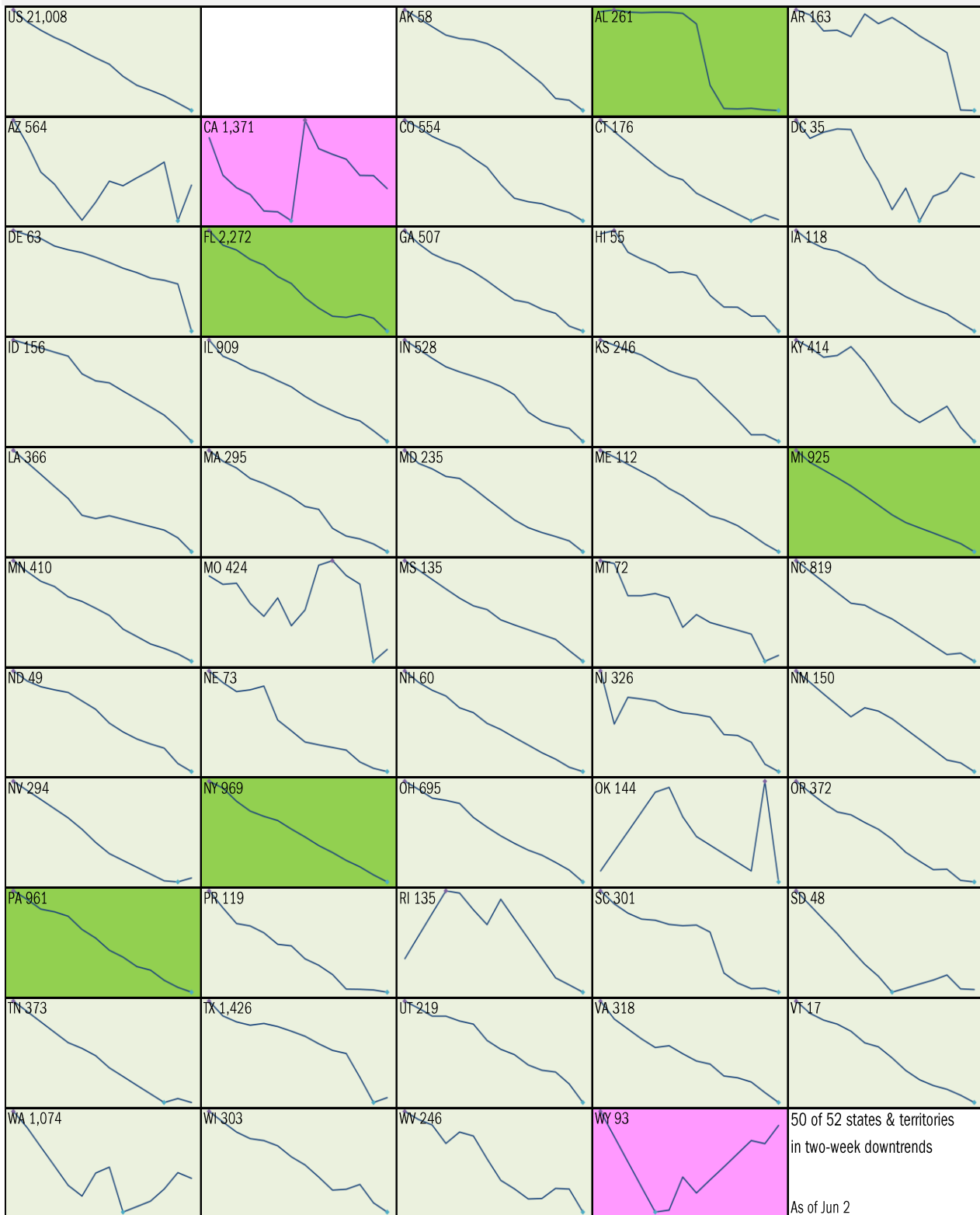
Vertical: days to double deaths Horizontal: days from first death

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

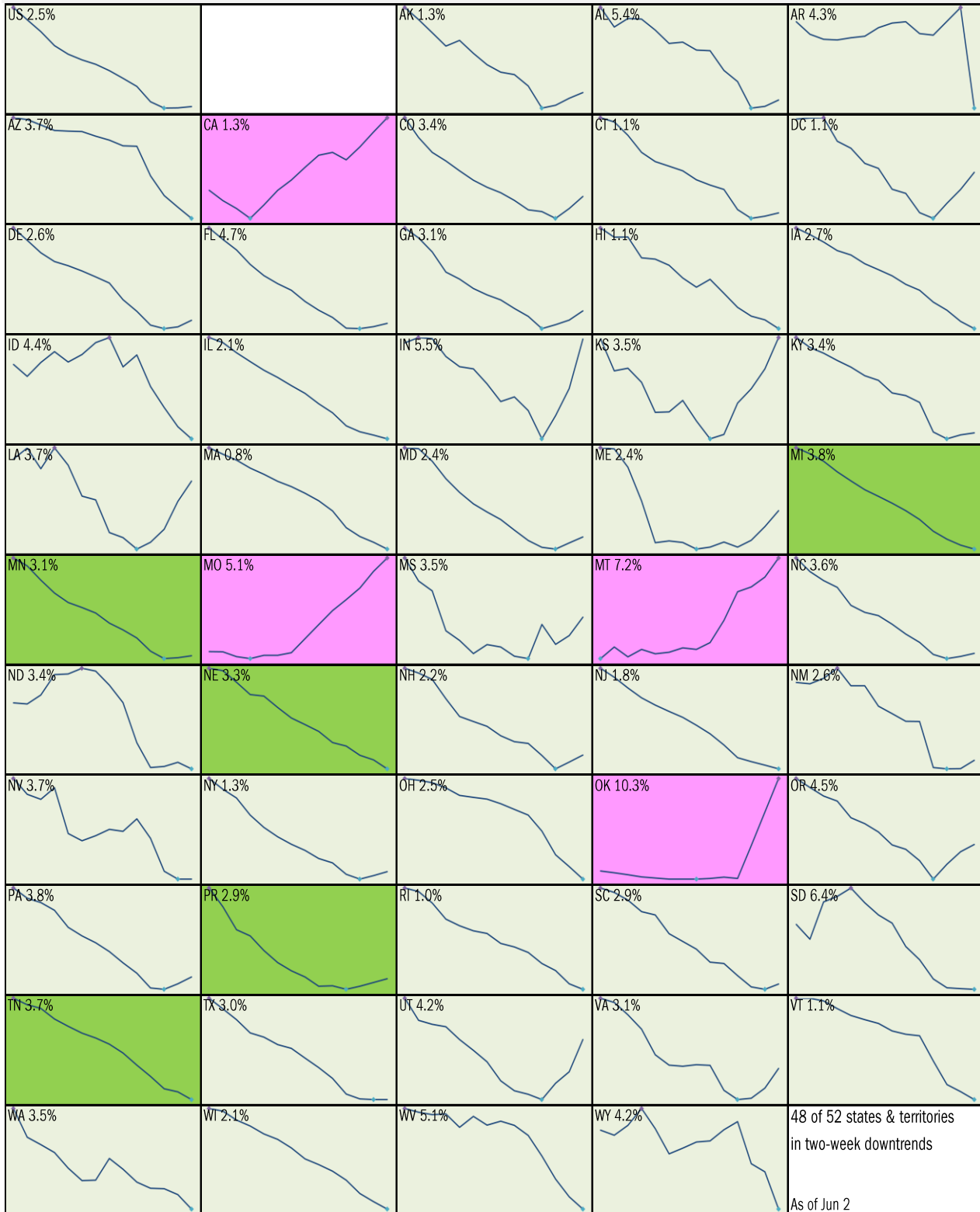


Source: [Johns Hopkins](#), TrendMacro calculations

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

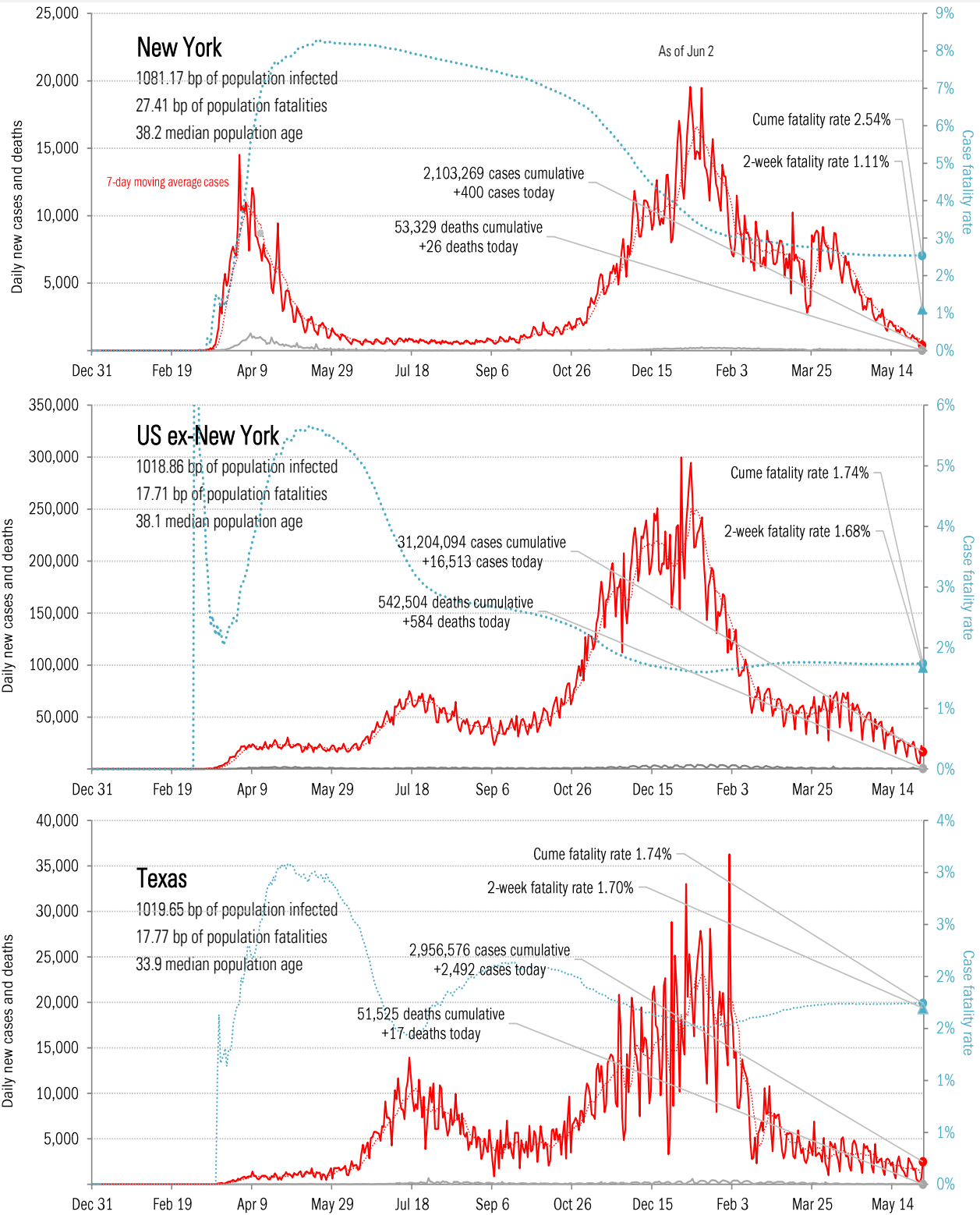
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



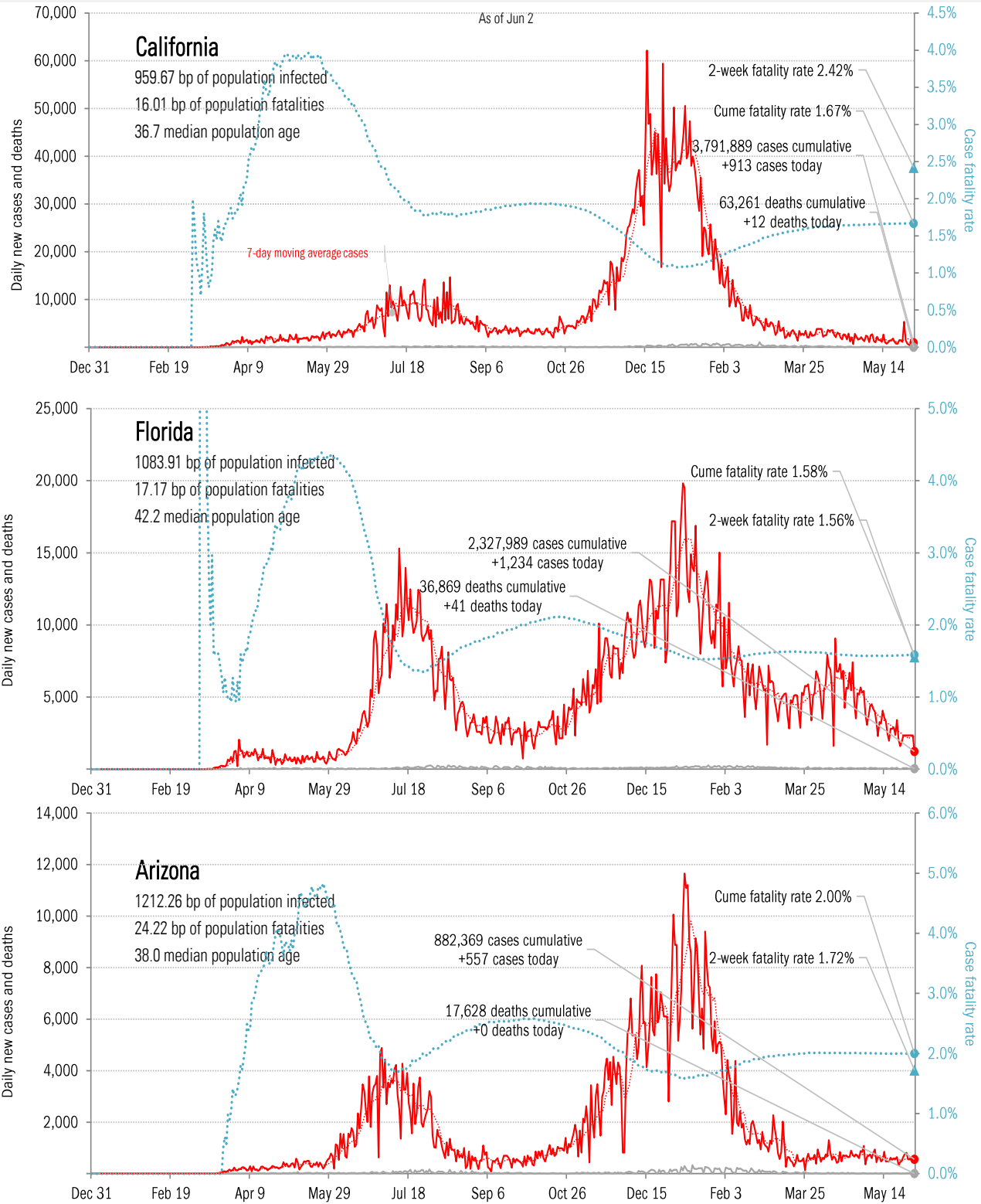
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



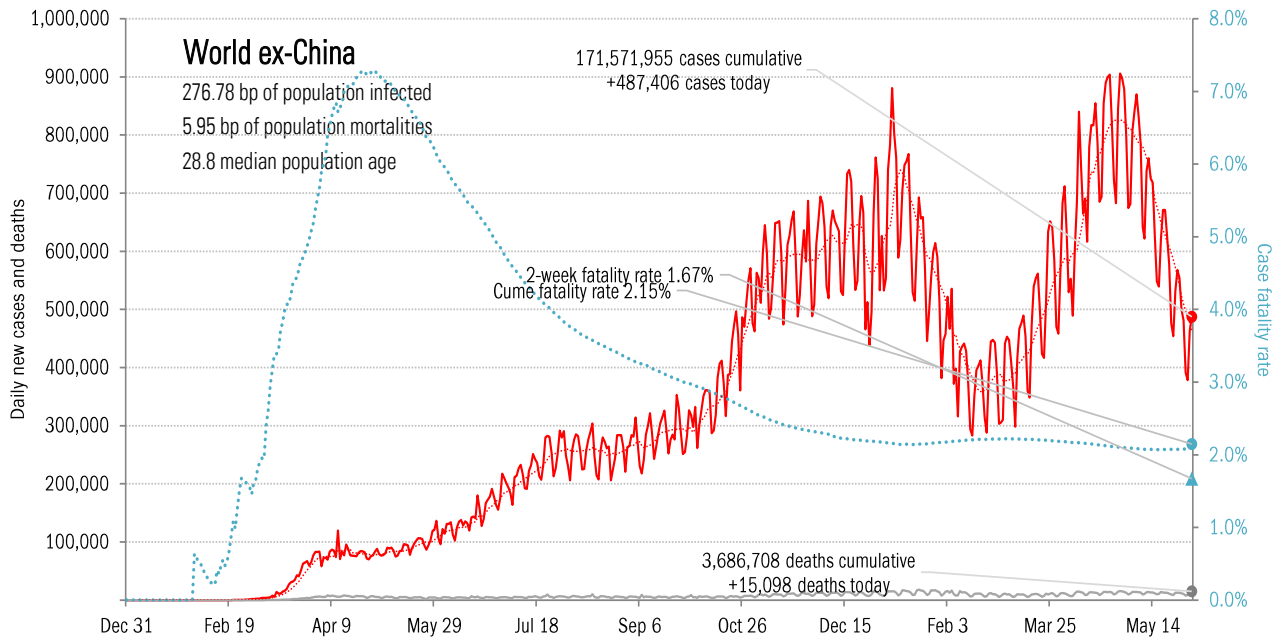
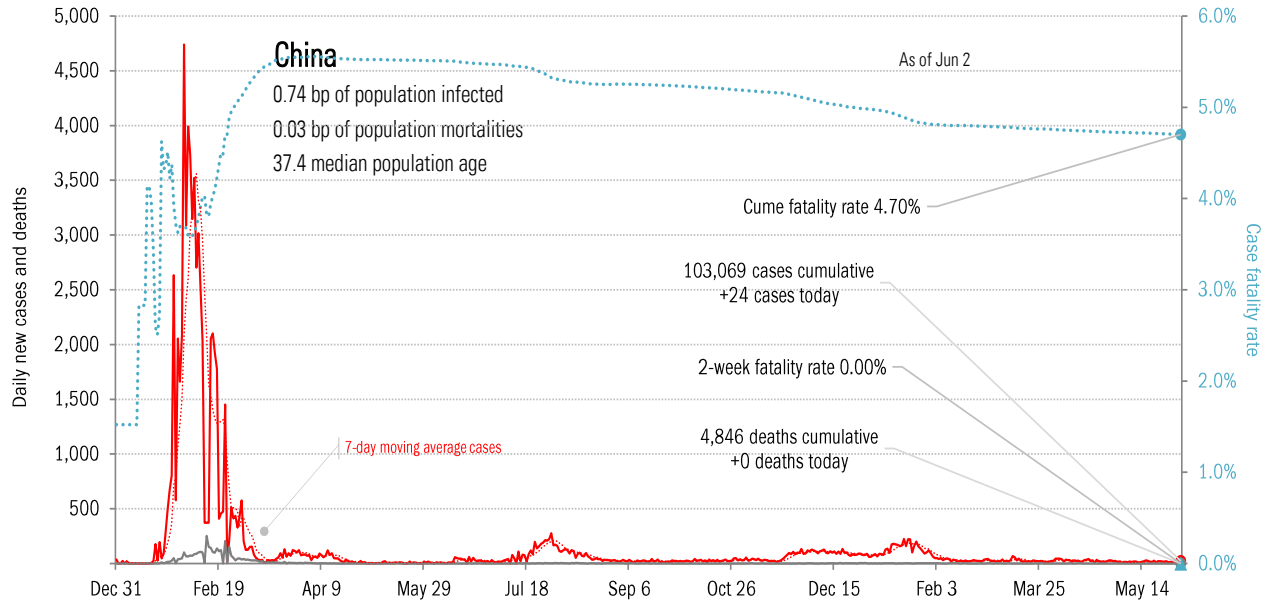
Source: [Johns Hopkins](#), TrendMacro calculations

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



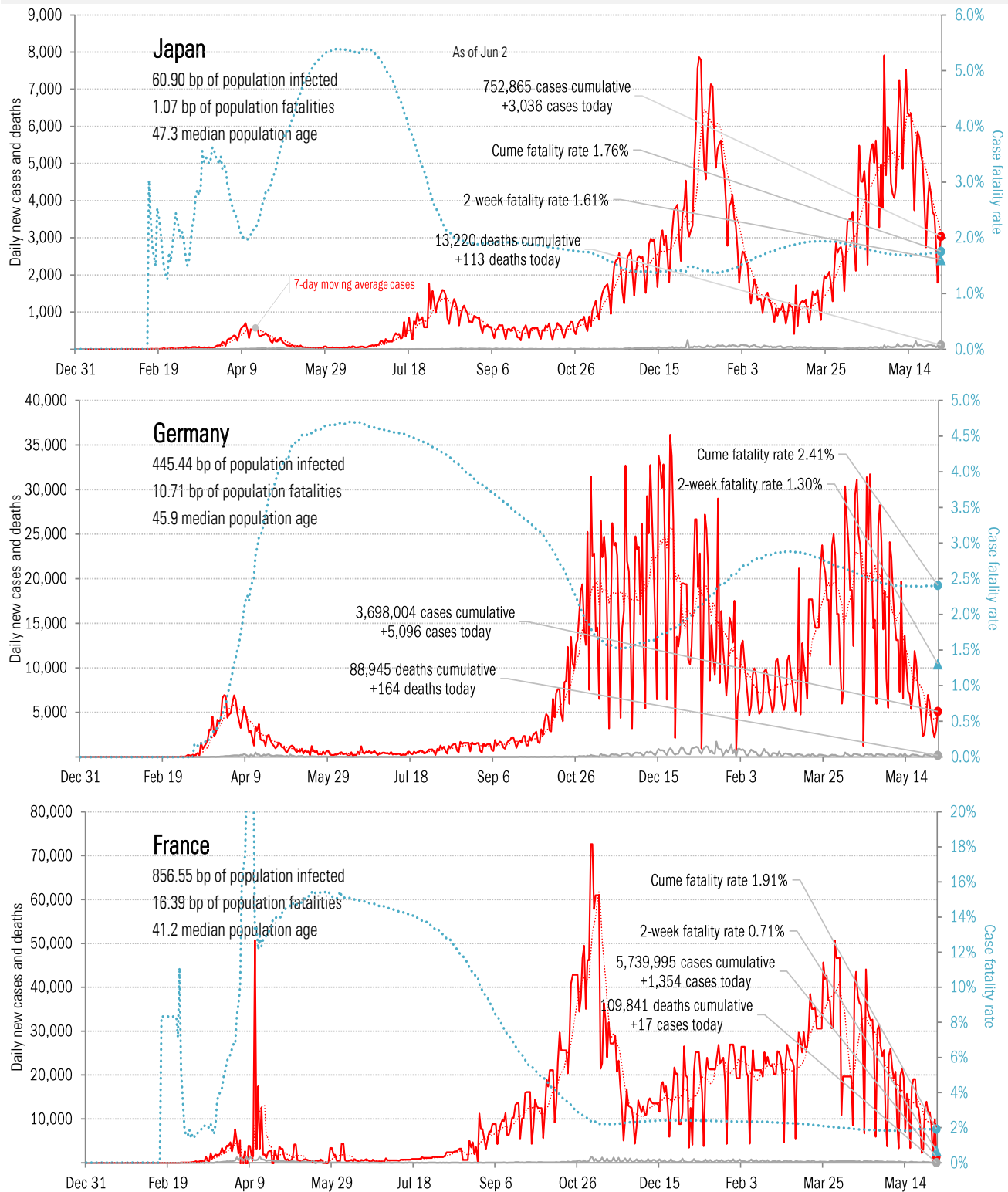
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



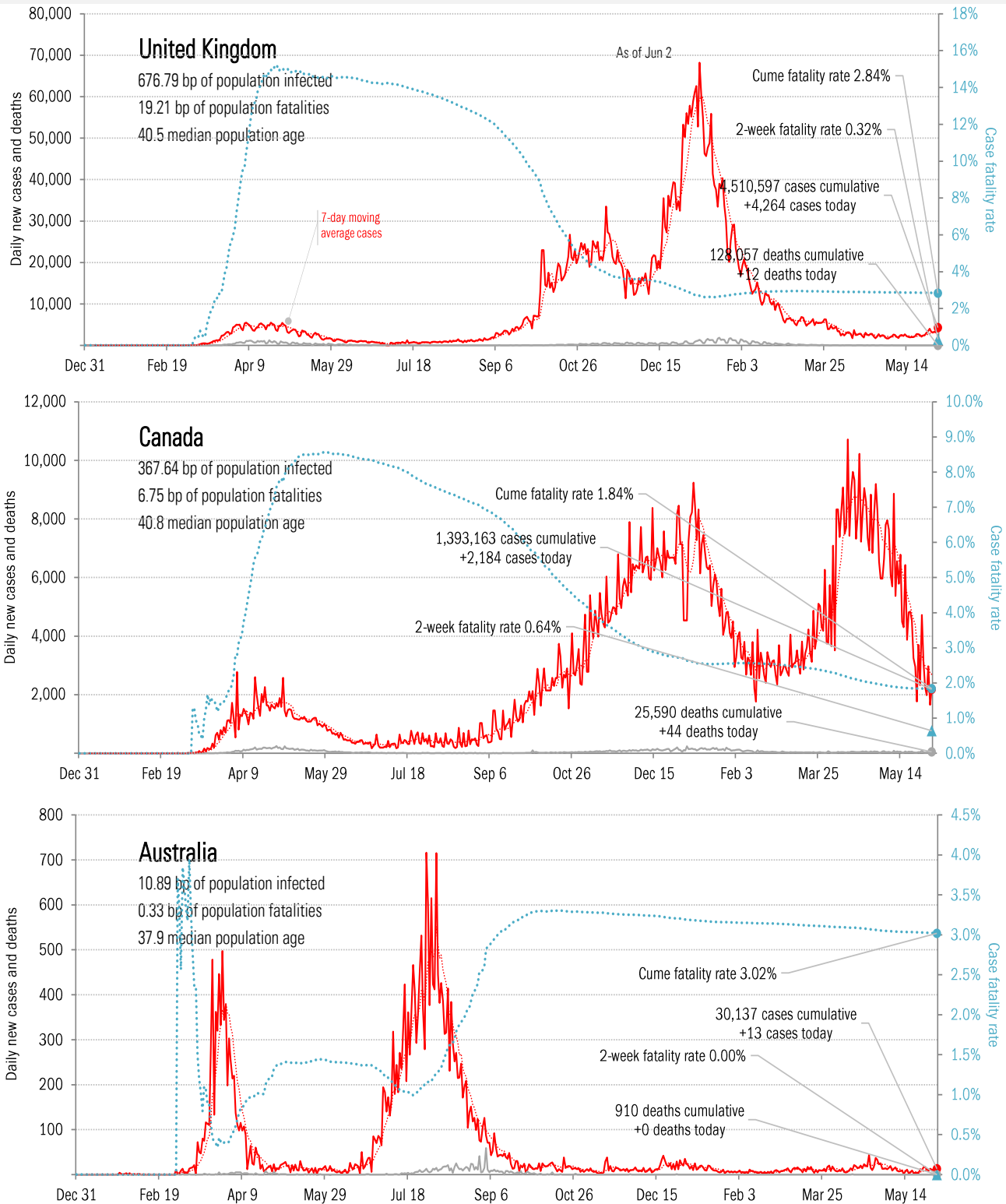
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



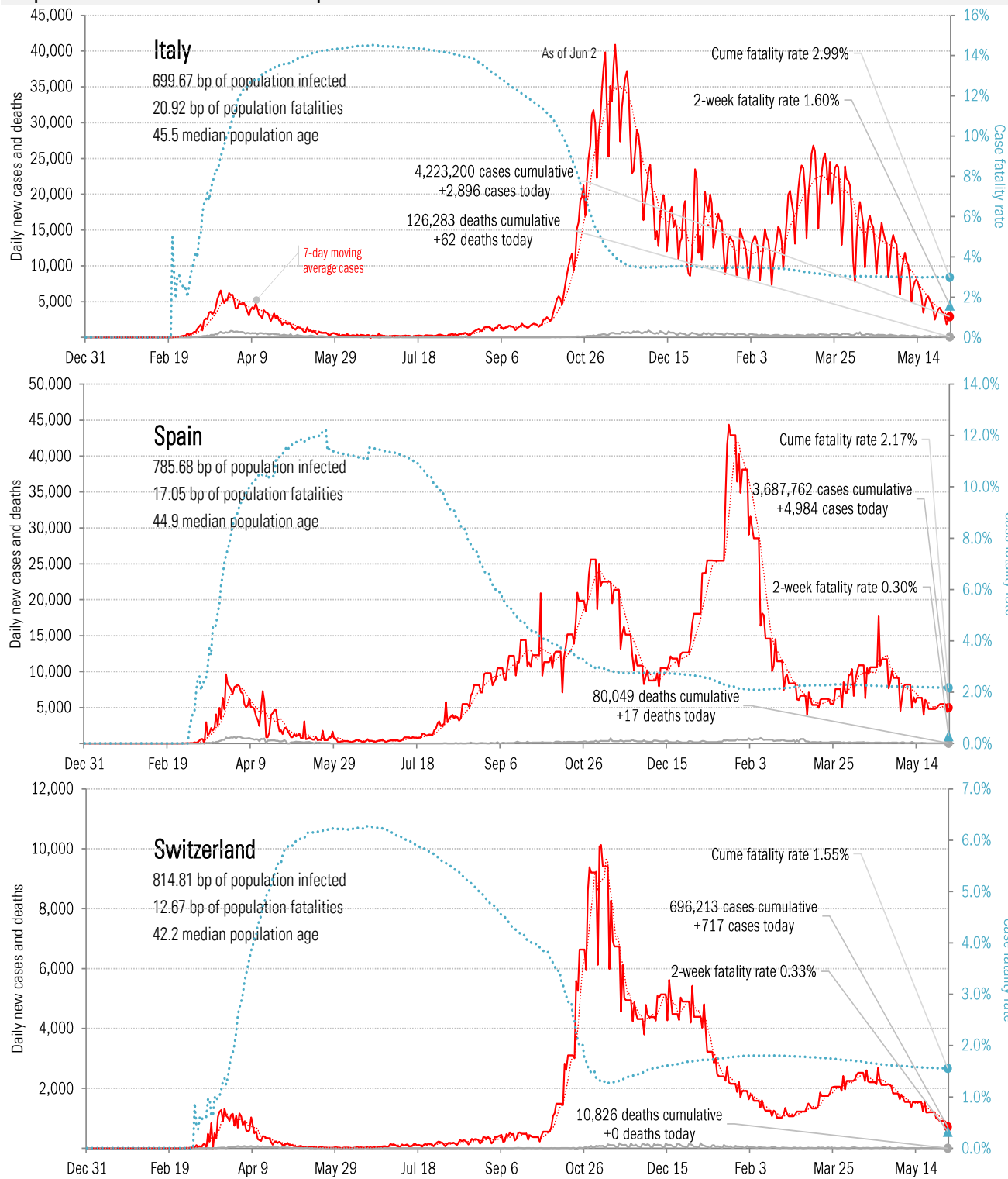
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



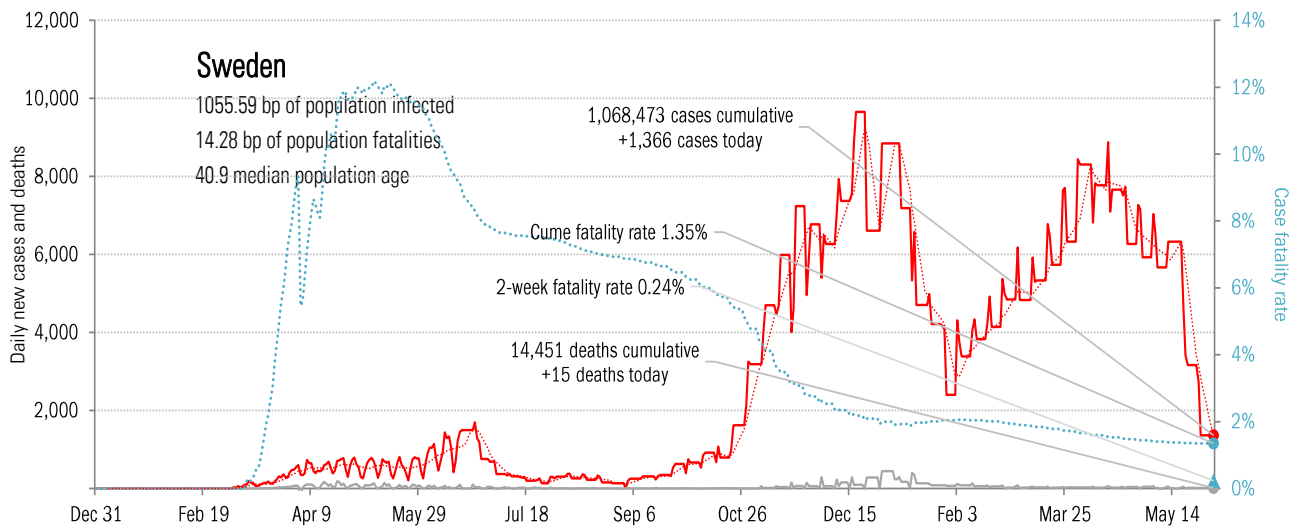
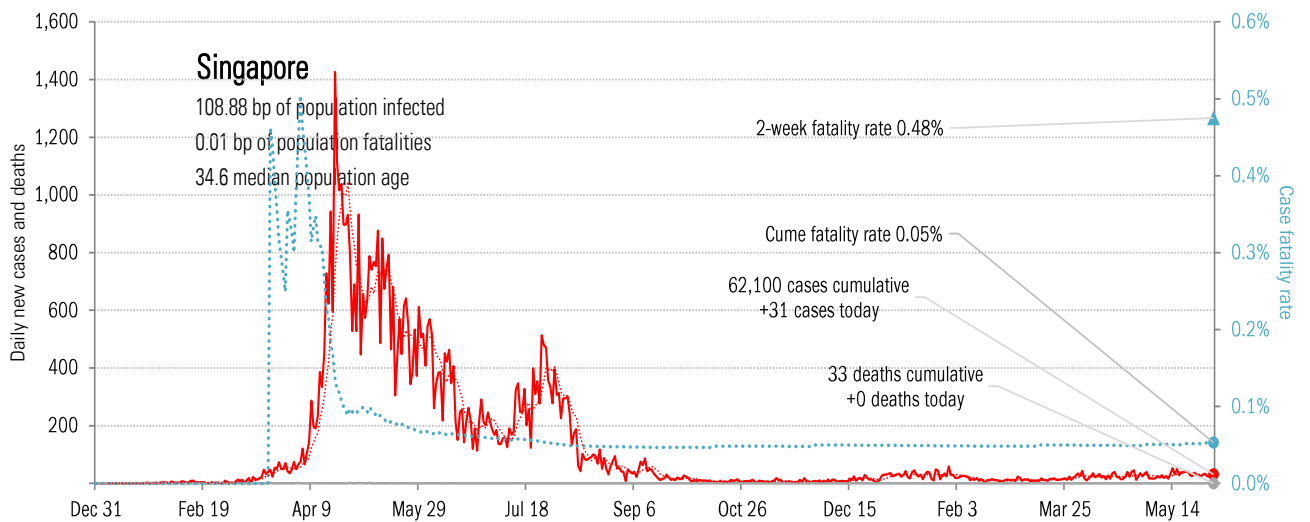
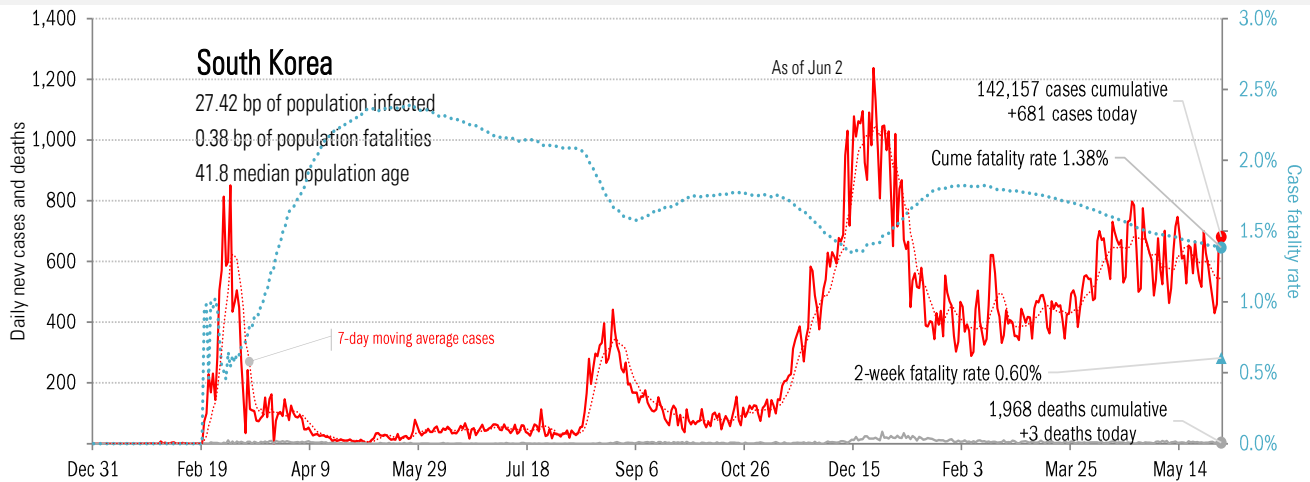
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



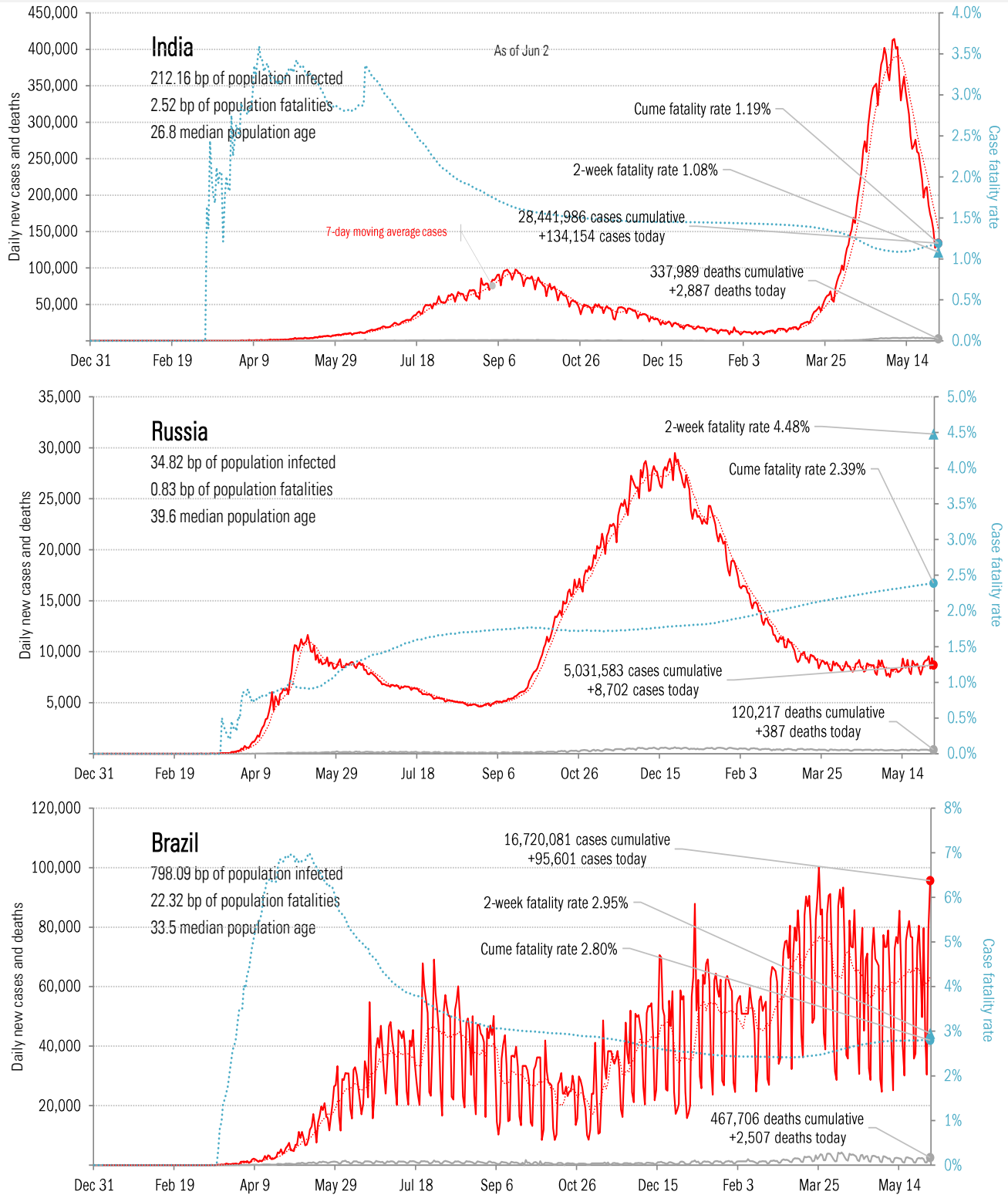
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



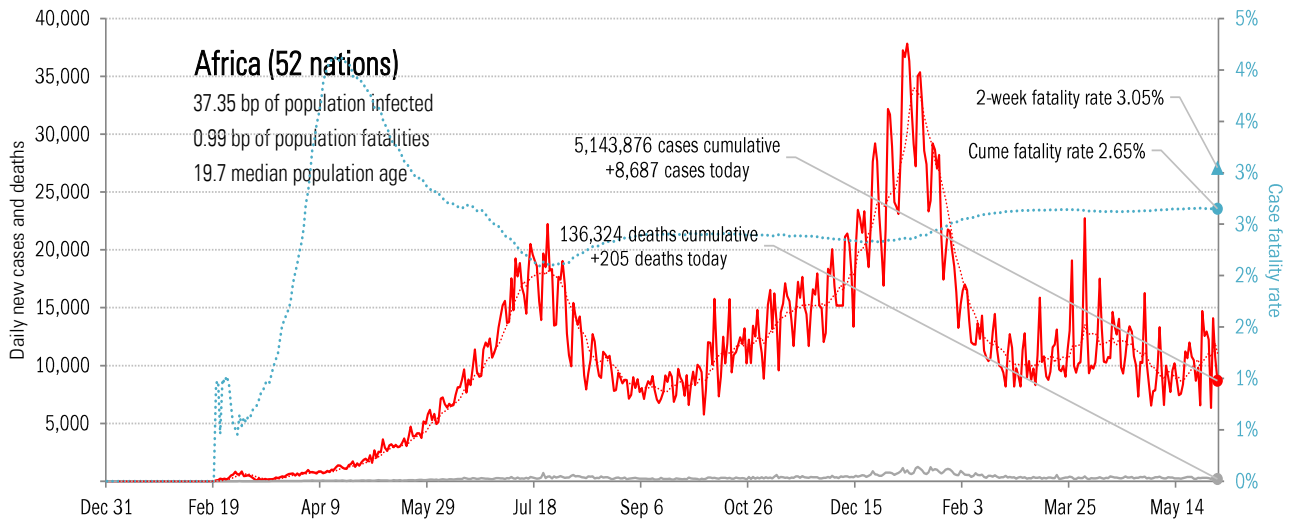
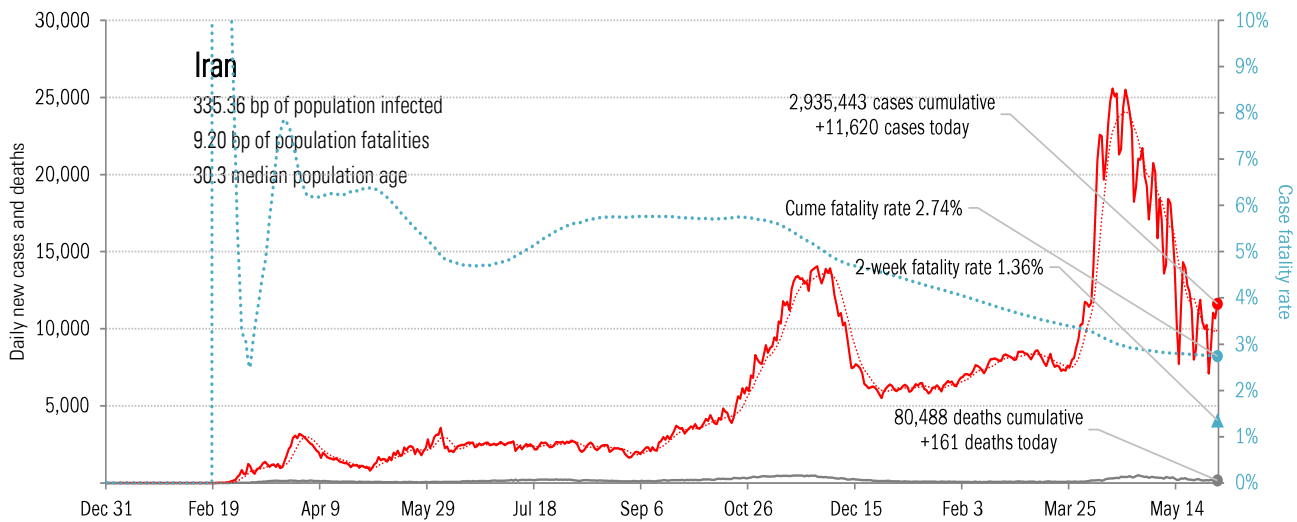
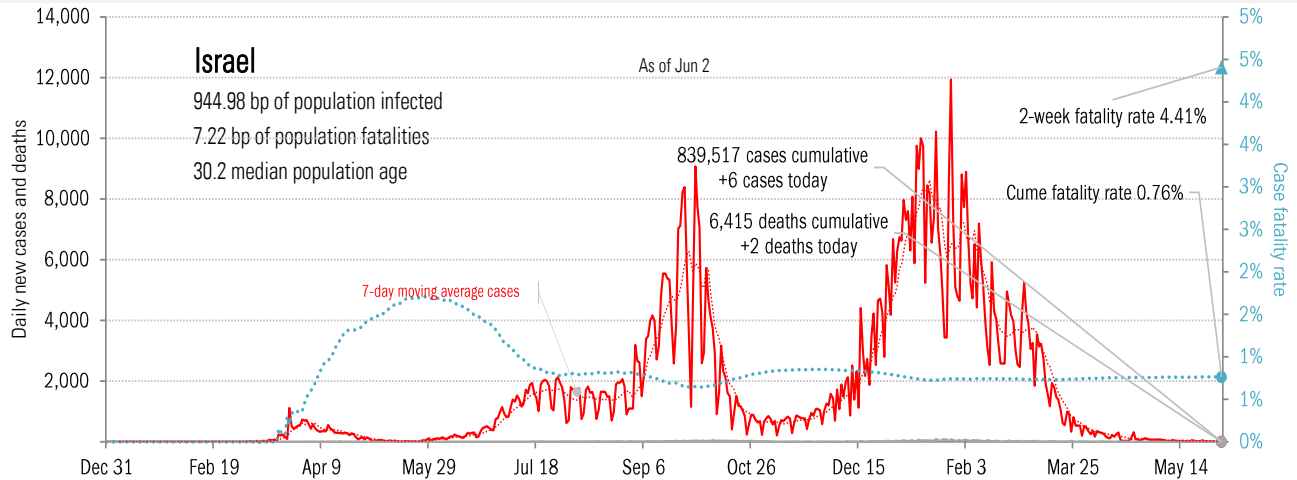
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



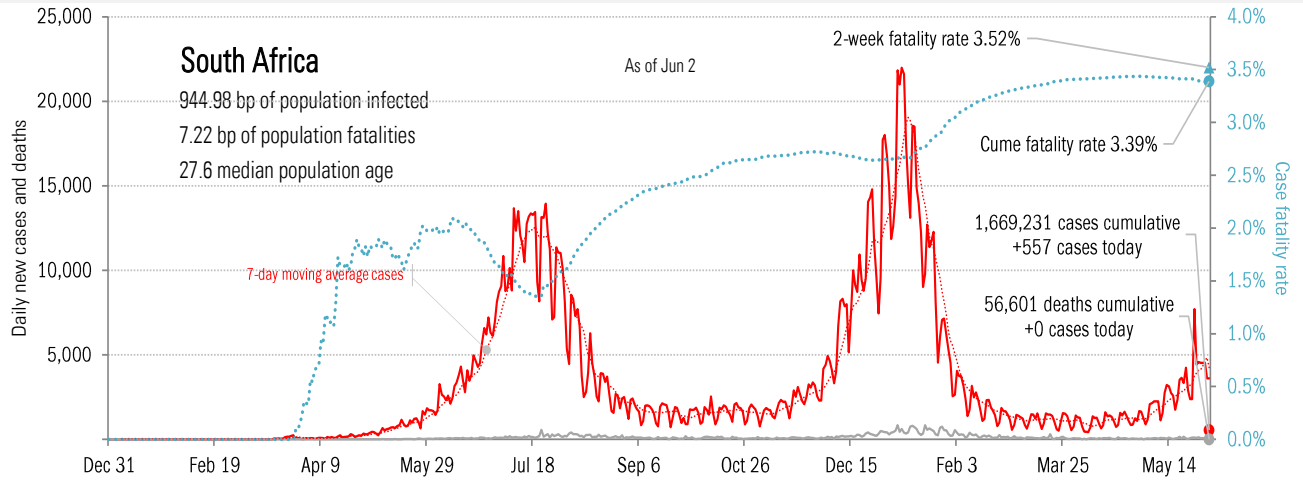
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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