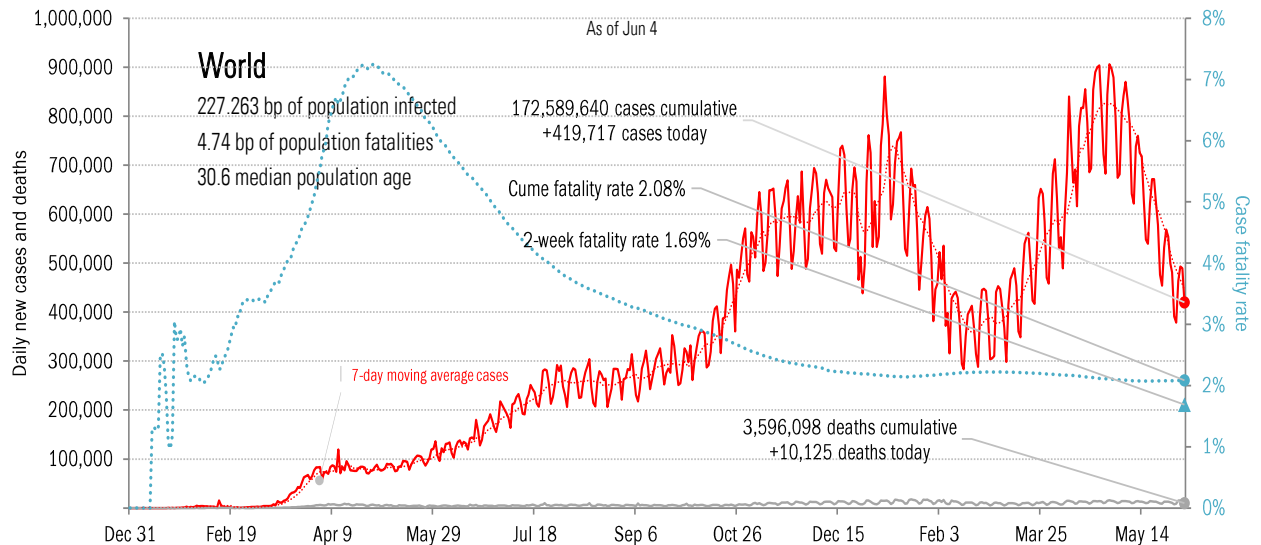
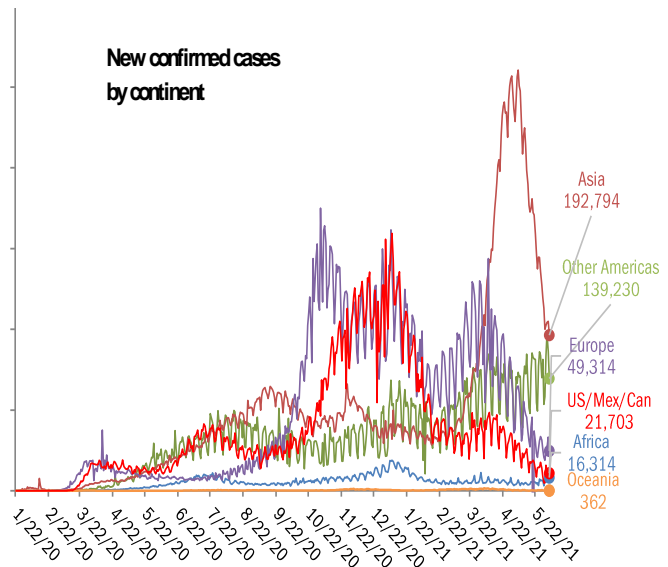


Data Insights: Covid-2019 Monitor

Saturday, June 5, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+120,529	India	+3,380
Brazil	+37,936	Brazil	+1,454
Argentina	+30,950	United States	+567
Colombia	+30,000	Argentina	+538
United States	+16,860	Colombia	+537
Peru	+10,734	Russia	+370
Iran	+9,209	Mexico	+206
Russia	+8,820	Indonesia	+201
Chile	+8,245	Philippines	+180
Malaysia	+7,748	Iran	+155
World		World	
+419,717		+10,125	
Top ten 67%		Top ten 75%	



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

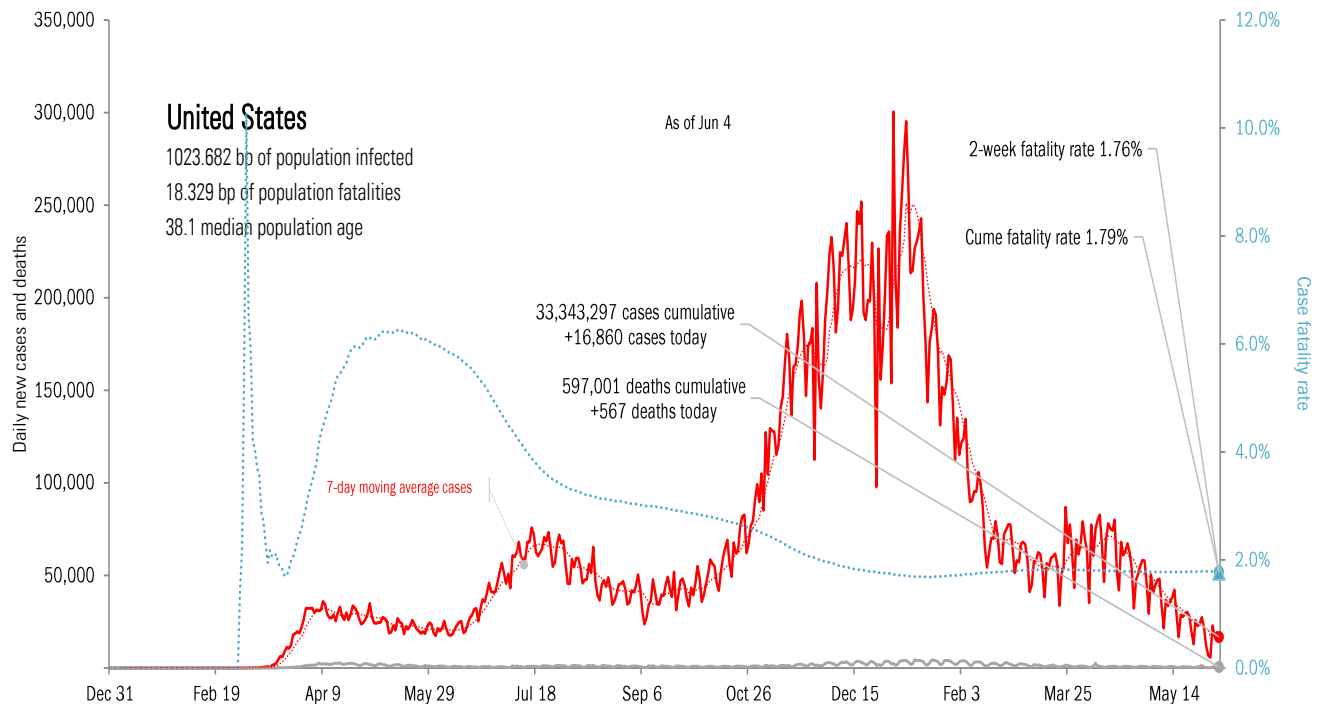
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+2,086		NY	+59		LA	+67		CA	3,794,129		CA	63,401		TX	247,997		R	92%	ME	17%
CA	+1,167		CH	+57		HI	+65		TX	2,961,257		NY	53,416		CA	235,981		MA	84%	WA	15%
NY	+771		CA	+56		GA	+37		FL	2,329,867		TX	51,676		FL	179,681		MO	81%	MI	14%
CO	+767		TX	+43		MO	+22		NY	2,104,539		FL	36,973		NY	134,248		PA	81%	CO	13%
WA	+719		GA	+42		FL	+12		IL	1,384,283		PA	27,325		GA	106,566		MD	80%	WV	13%
MO	+689		WI	+31		SC	+9		PA	1,209,492		NJ	26,265		PA	89,851		GA	79%	ID	13%
NC	+680		PA	+30		MS	+8		GA	1,125,512		IL	25,282		CH	85,751		MI	79%	MO	12%
IL	+636		MI	+26		NM	+5		CH	1,104,001		GA	20,942		IL	80,728		SC	79%	WY	11%
CH	+621		NC	+21		MT	+4		NJ	1,017,118		MI	20,511		KY	75,247		DC	79%	NM	11%
PA	+613		AZ	+20		AR	+3		NC	1,004,669		CH	19,980		MI	71,646		CT	78%	MS	11%
+8,749			+385			+232			18,034,867			345,771			1,307,696						
All states	+16,860			+567			-219		All states	33,343,297			597,001			2,328,539		All states	70%		67%
Top ten	52%			68%			-106%		Top ten	54%			58%			56%		Median	71%		8%

Some states not reporting

Five most improved US states

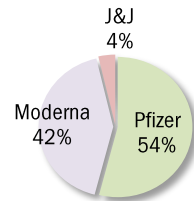
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-1,878	FL	-49	IN	-85	GA	+98 bp
IN	-771	MI	-36	IL	-79	PA	+61 bp
TX	-509	IN	-16	CA	-66	SC	+45 bp
NJ	-207	TX	-15	TX	-63	VT	+38 bp
WA	-148	AL	-11	OK	-50	FR	+36 bp



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	381,686,145				+0.811 million	US	41.1%	50.8%
Doses administered	308,287,887				+1.424 million	UK	39.5%	58.9%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	17.9%	40.1%
Total population	174,242,323	52%	141,392,333	42%	+0.823 million	Spain	21.9%	40.7%
Age 12 to 17	6,562,614	26%	2,418,810	10%	+0.068 million	Germany	20.6%	45.1%
Age 18 to 64	118,891,112	58%	96,322,592	47%	+0.647 million	Italy	21.1%	41.6%
Age 65 and over	48,717,774	89%	42,641,119	78%	+0.108 million	Australia	2.2%	16.6%
						Israel	59.4%	63.0%
						Canada	6.8%	60.5%
						Japan	3.1%	9.2%
						Africa	0.7%	1.9%
						India	3.2%	13.0%
						Brazil	10.7%	22.6%



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 2, 2021
 66.4% of population >18 immunized
 14.0% previously tested positive
80.5% vs 60% adult herd immunity*

AK
59.5%
46.5%
39.7%

Global data differs from sources, timing

China NA	ME
	70.8%
	63.9%
	55.5%
VT	NH
76.5%	68.7%
70.9%	60.3%
57.2%	50.0%

WA 62.0% 57.3% 47.5%	ID 48.1% 37.8% 33.1%	MT 54.3% 45.4% 38.4%	ND 47.7% 42.4% 36.8%	MN 59.3% 54.7% 46.6%	IL 59.6% 55.5% 40.5%	MI 59.8% 49.1% 42.6%	NY 62.2% 56.3% 47.5%	MA 71.5% 67.0% 54.6%		
OR 68.2% 55.4% 46.2%	NV 50.5% 46.1% 37.4%	WY 46.9% 37.4% 32.1%	SD 56.3% 48.5% 42.7%	IA 55.9% 49.5% 44.2%	IN 51.2% 42.1% 35.9%	OH 54.4% 46.2% 40.6%	PA 63.4% 59.1% 44.6%	NJ 65.7% 61.0% 49.7%	CT 67.9% 63.8% 54.1%	RI 72.5% 61.5% 52.4%
CA 63.6% 57.4% 43.8%	UT 51.5% 45.4% 32.5%	CO 62.0% 54.9% 46.1%	NE 55.0% 48.8% 42.7%	MO 51.0% 42.5% 34.7%	KY 51.6% 46.8% 38.8%	WV 54.6% 41.0% 34.3%	VA 61.2% 55.7% 45.7%	MD 70.8% 57.9% 48.7%	DE 67.1% 55.2% 43.9%	
	AZ 56.9% 46.7% 36.4%	NM 58.1% 58.2% 48.3%	KS 54.3% 47.1% 38.7%	AR 49.0% 39.8% 31.5%	TN 47.5% 39.5% 32.1%	NC 57.4% 43.7% 36.4%	SC 52.8% 41.2% 34.4%	DC 77.4% 57.4% 46.8%		
			OK 52.6% 41.8% 34.0%	LA 44.9% 36.1% 31.6%	MS 46.5% 34.3% 27.5%	AL 49.8% 36.1% 29.4%	GA 53.7% 40.5% 33.1%			
HI 69.0% 67.1% 47.9%			TX 56.1% 44.8% 36.1%					FL 59.5% 49.7% 39.6%	PR 63.8% 51.7% 38.1%	

As of Jun 4

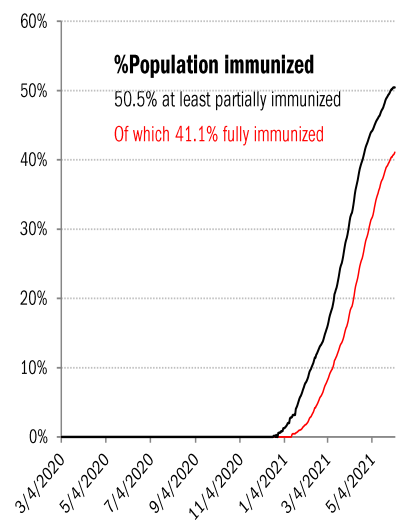
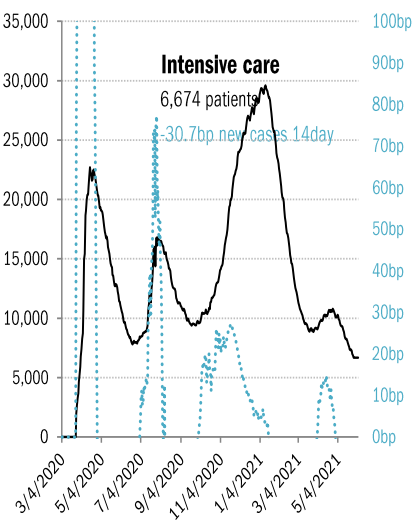
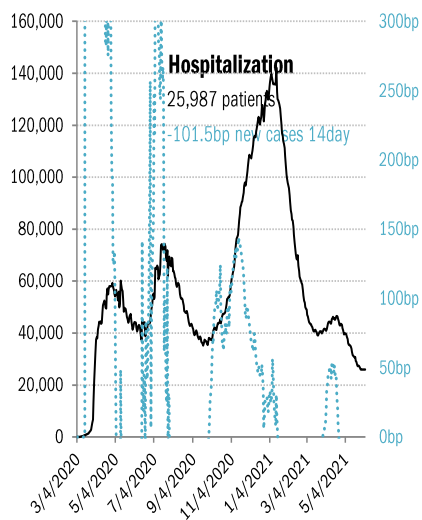
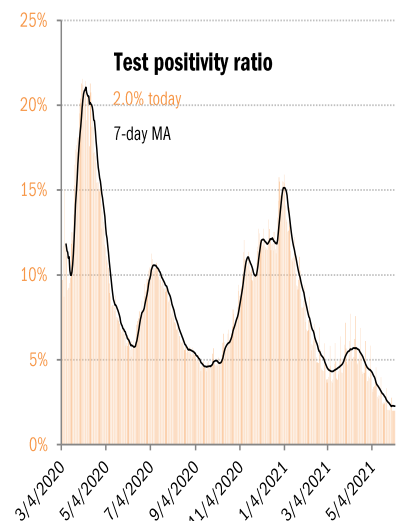
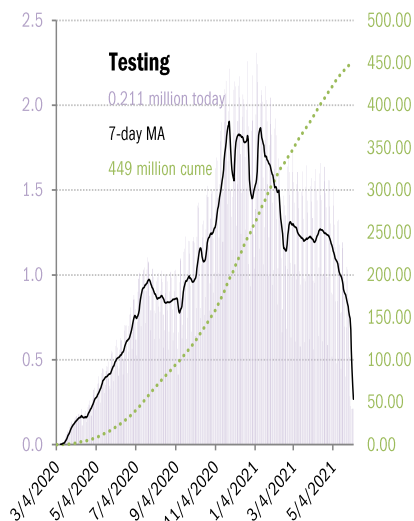
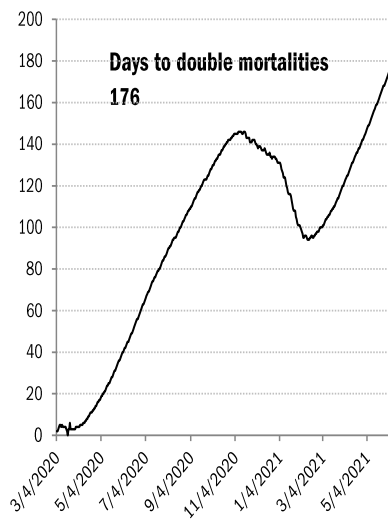
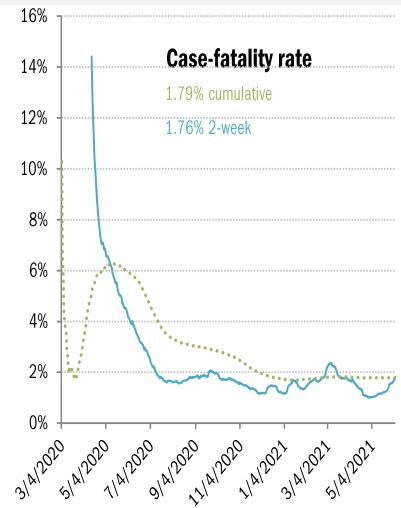
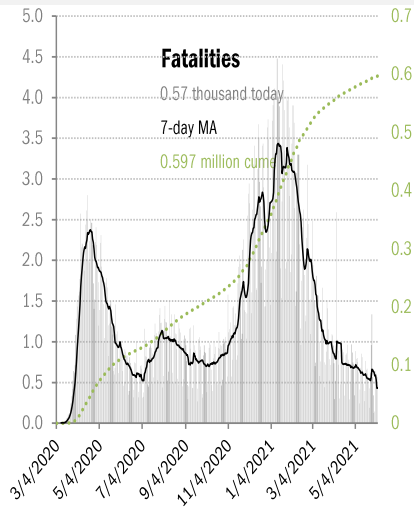
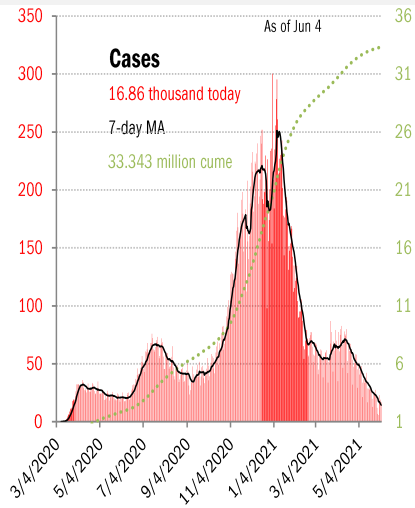
* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

** One dose of Pfizer/Moderna counts as half an immunity, one dose of J&J as a full immunity

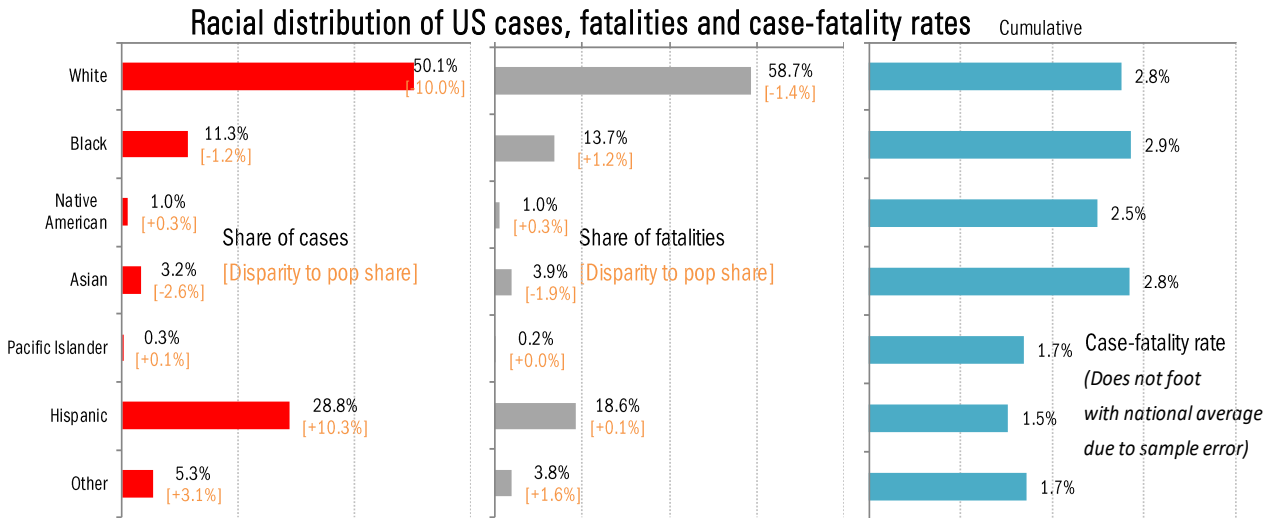
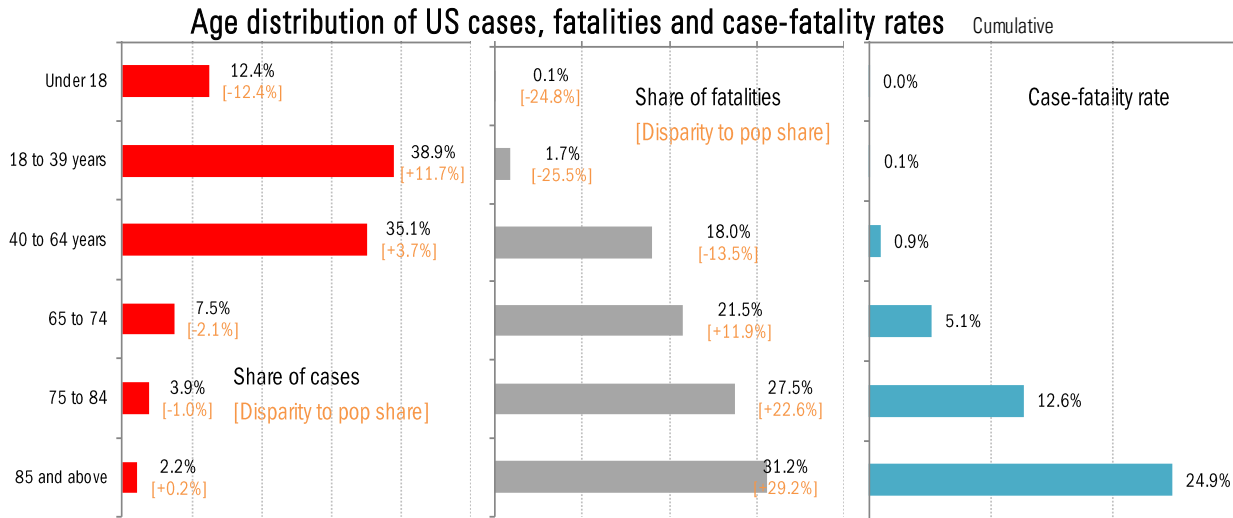
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

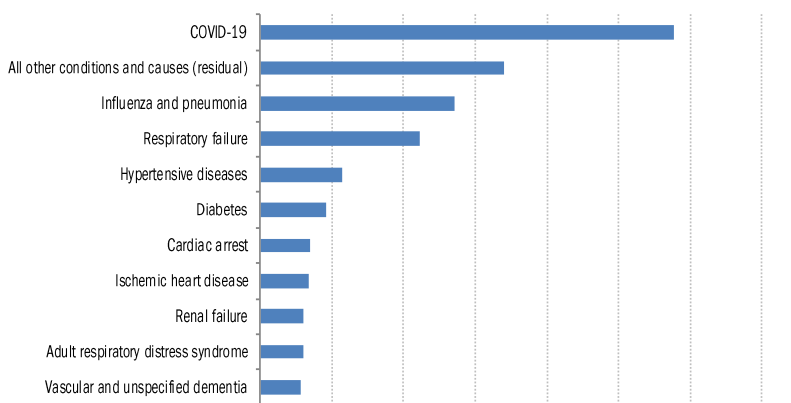


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



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 Email Bolsters the Lab-Leak Theory](#)

Nicholas Wade
Wall Street Journal
June 4, 2021

[People have abandoned hundreds of cats on a deserted Brazilian island. Officials aren't sure how to save them.](#)

Terrence McCoy
Washington Post
June 4, 2021

[China reports human case of H10N3 bird flu, a possible first](#)

Associated Press
June 1, 2021

[Never Let a Plague Go to Waste](#)

Victor Davis Hanson
PJ Media
June 3, 2021

[Donald Trump *Unloads* on Fauci Emails: "What Did Dr. Fauci Know About 'Gain of Function' Research and When Did He Know It?"](#)

Kyle Becker
Becker News

[The Lab-Leak Theory: Inside the Fight to Uncover COVID-19's Origins](#)

Katherine Eban
Vanity Fair
June 3, 2021

[Facebook Twitter Flipboard Email Copy NEWS Sen. Paul: Fauci emails prove he knew of Wuhan gain-of-function research](#)

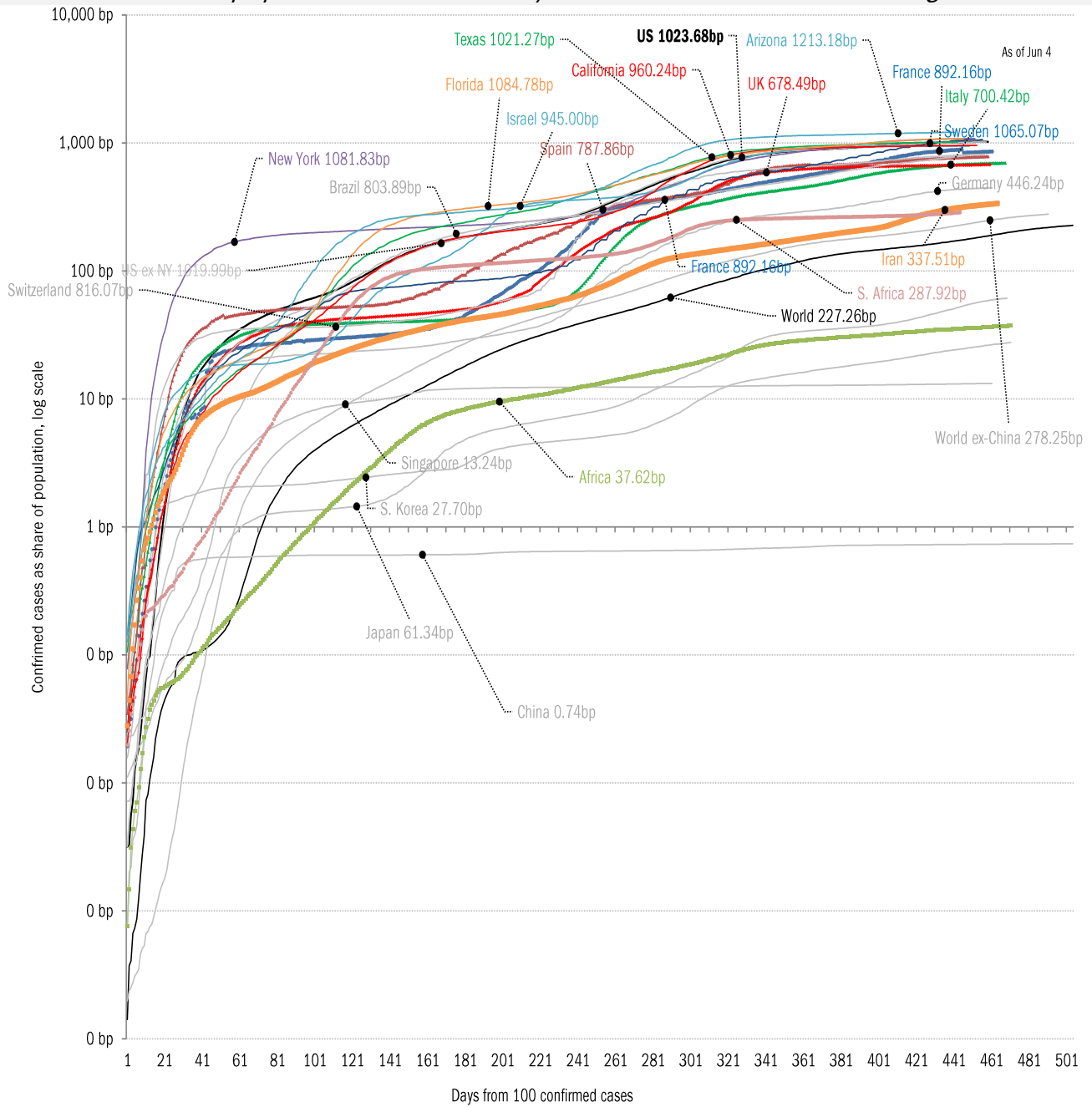
Samuel Chamberlain
New York Post
June 3, 2021

Meme of the day



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

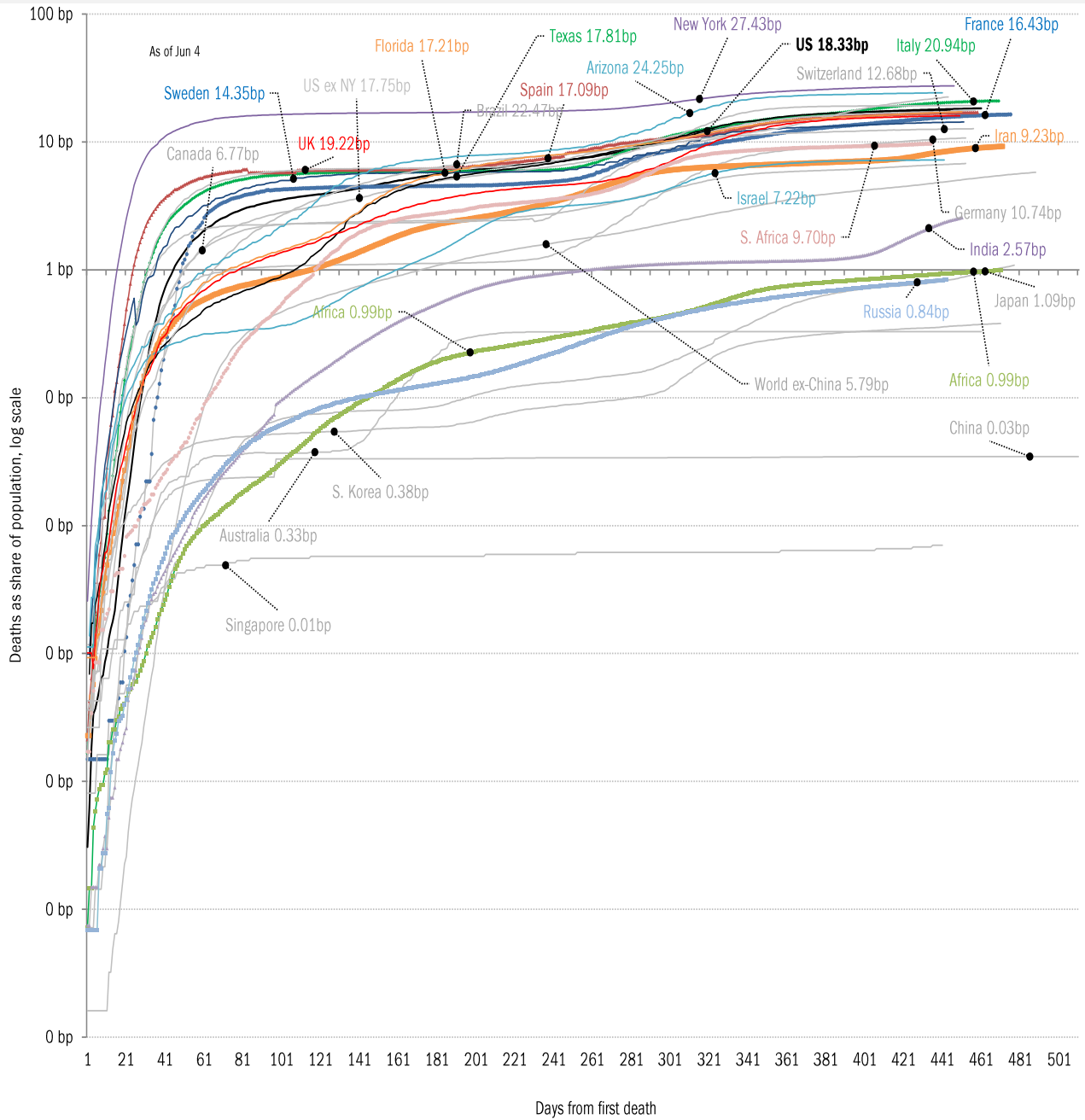
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

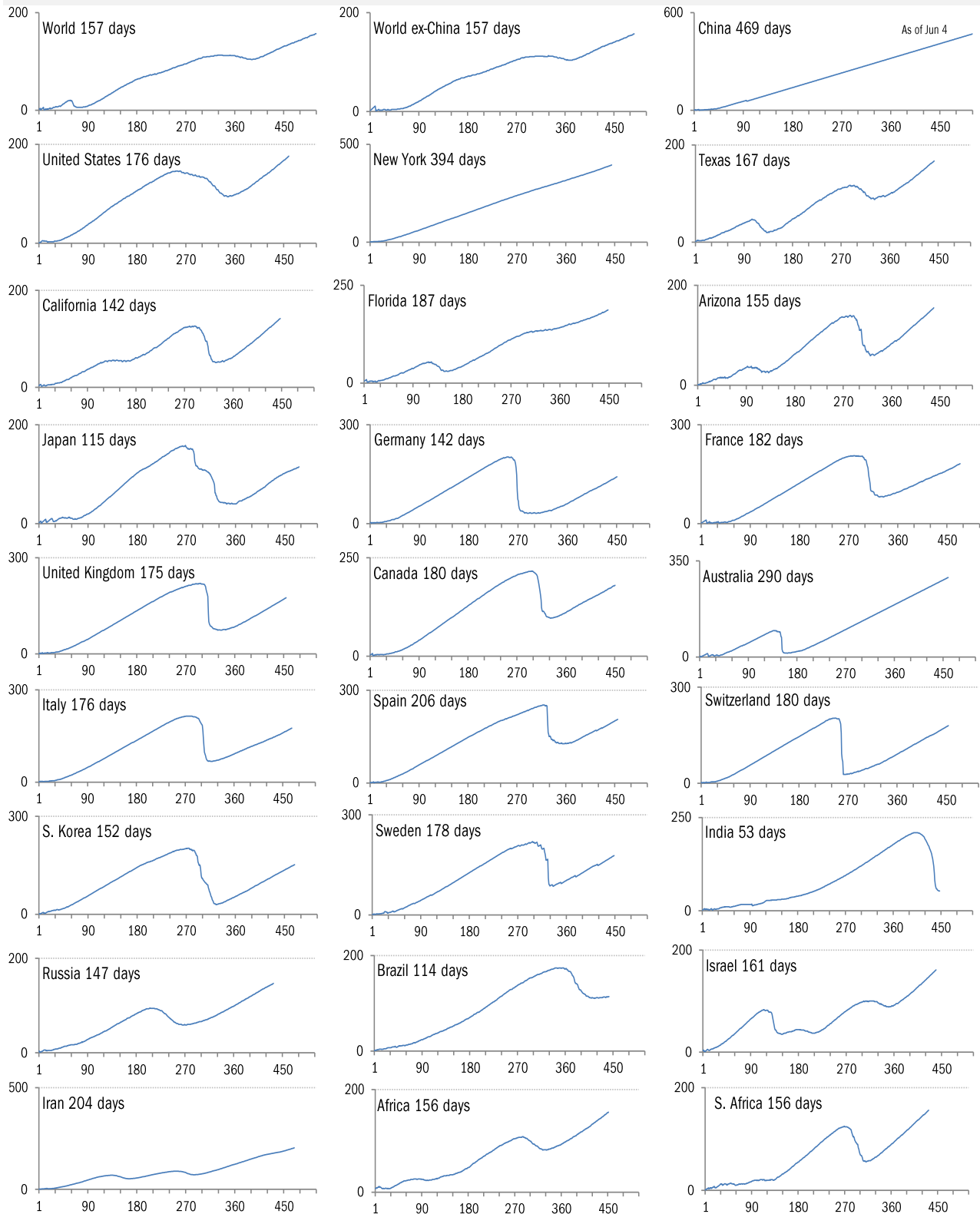


Source: [Johns Hopkins](#), TrendMacro calculations

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

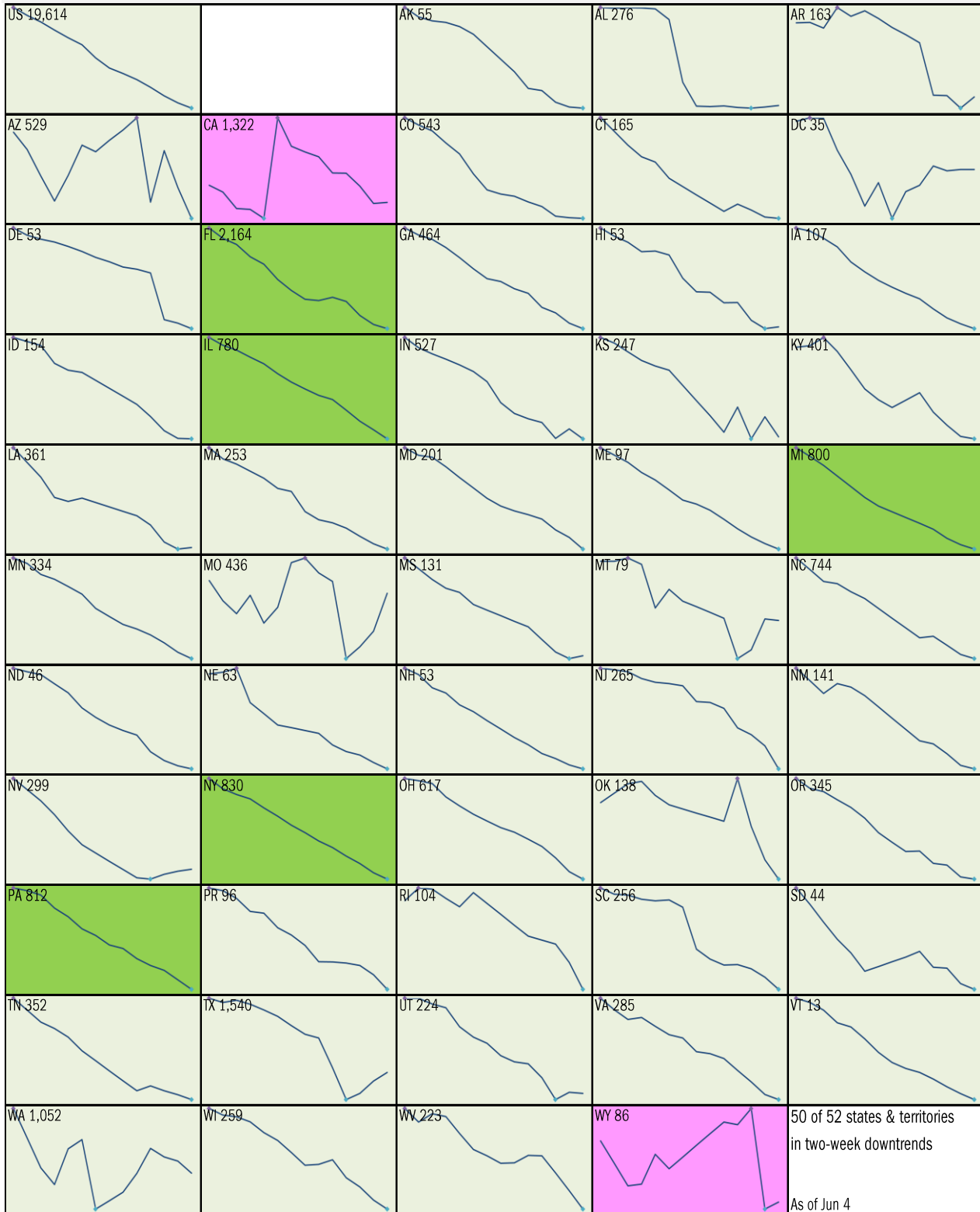
Vertical: days to double deaths Horizontal: days from first death

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



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

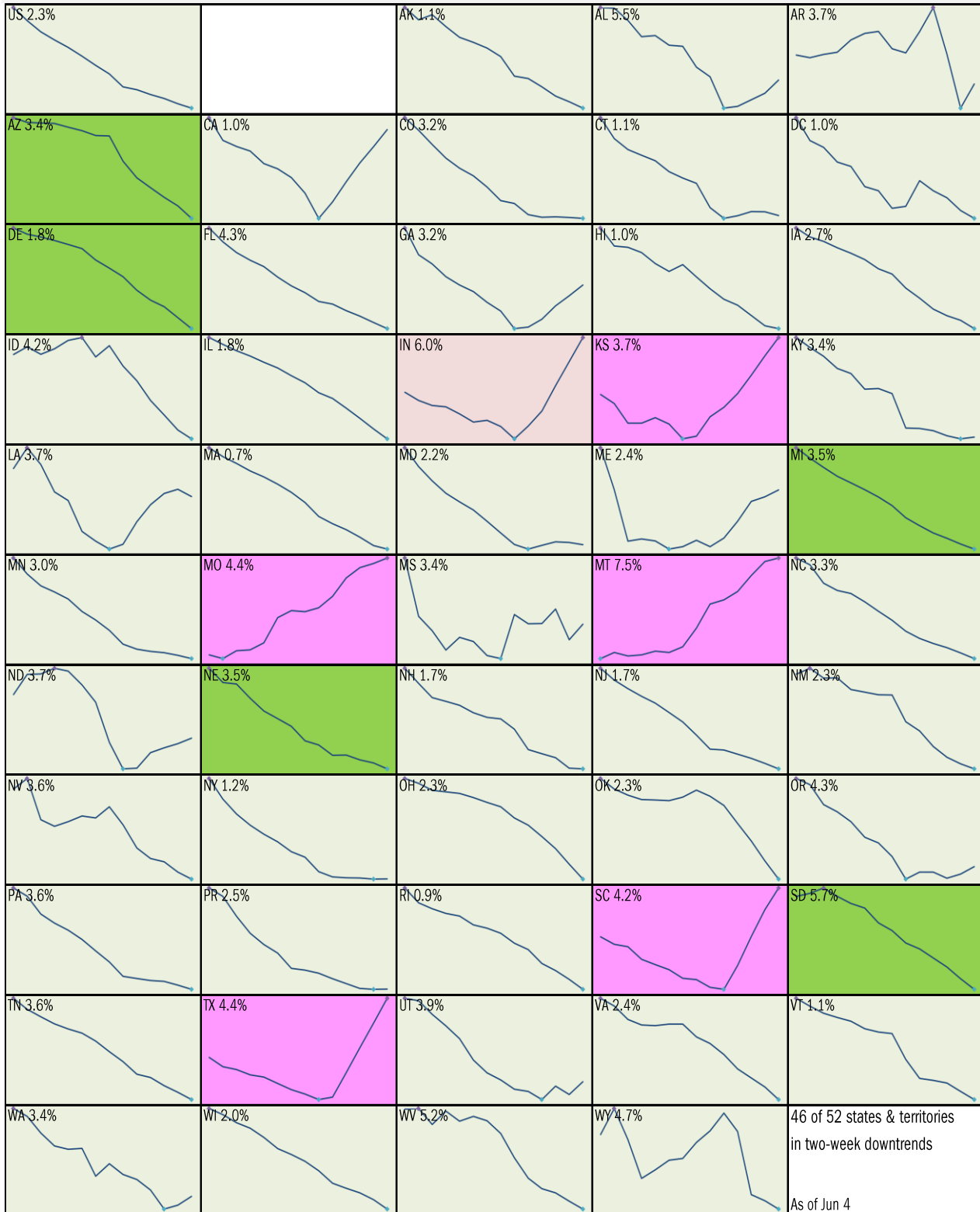
Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

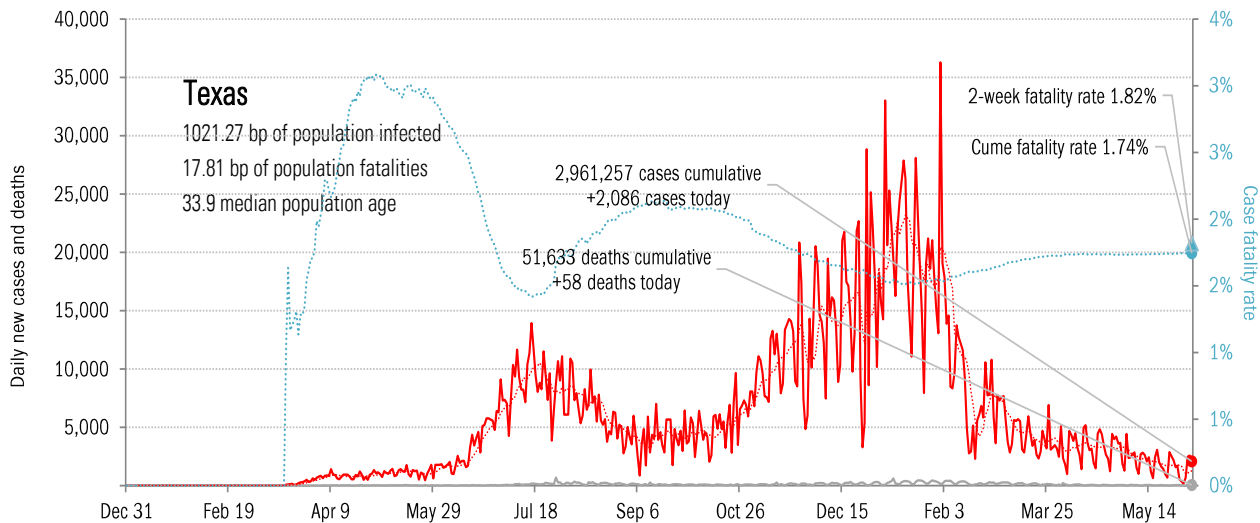
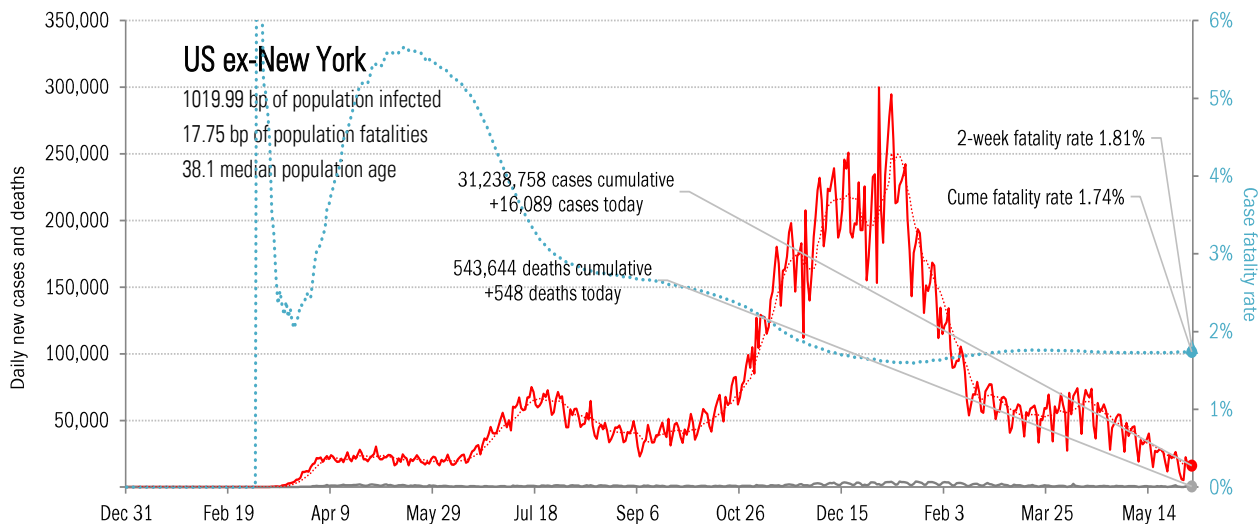
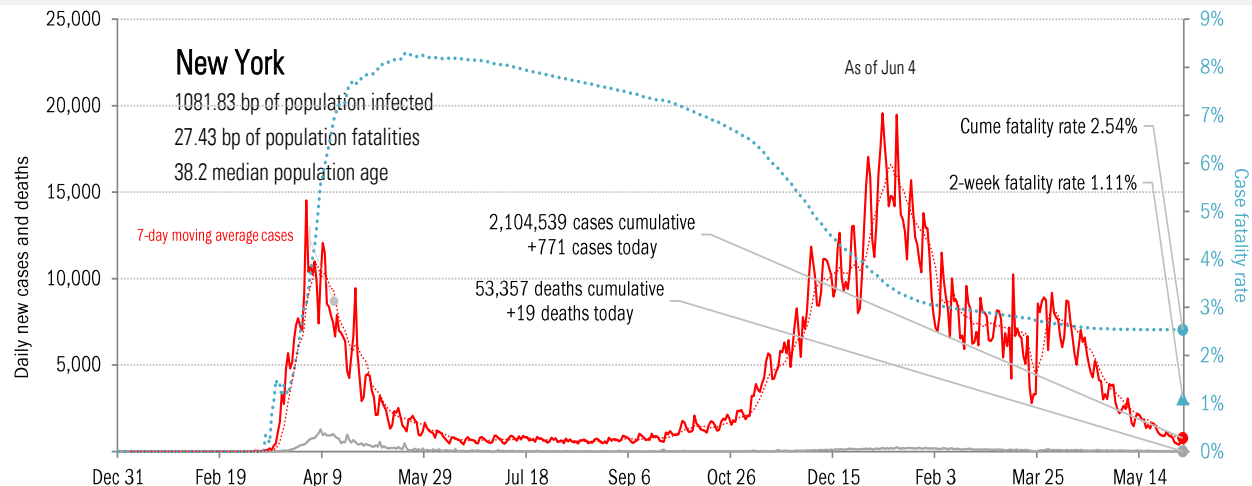
Alt requirement to [Open Up America Again](#): 14-day "downward trajectory" in pos tests

14-day moving average, last 14 days Most recent value displayed ● High ● Low
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



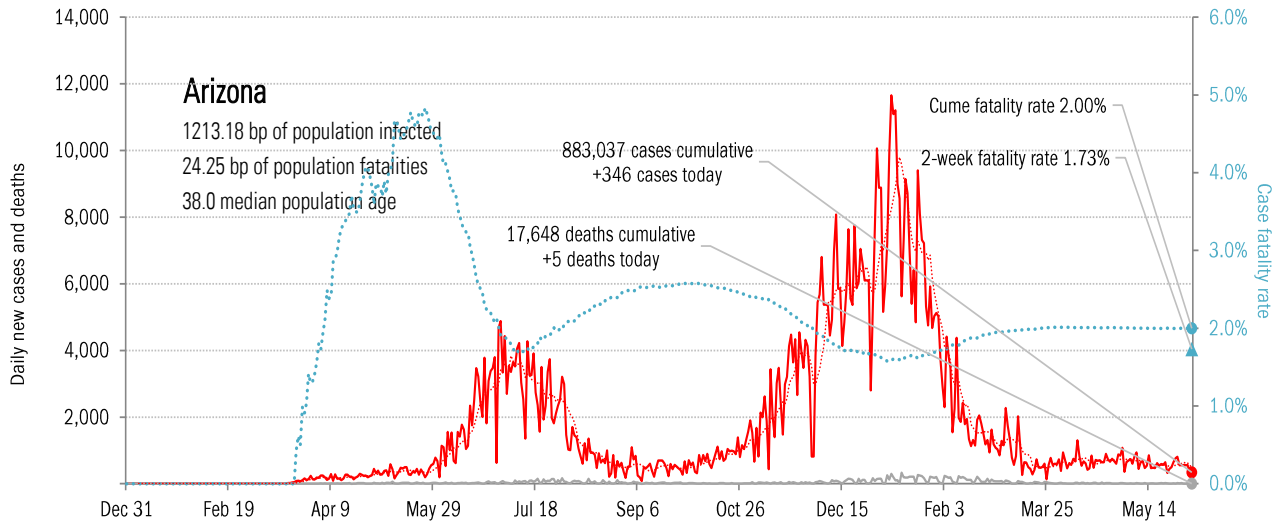
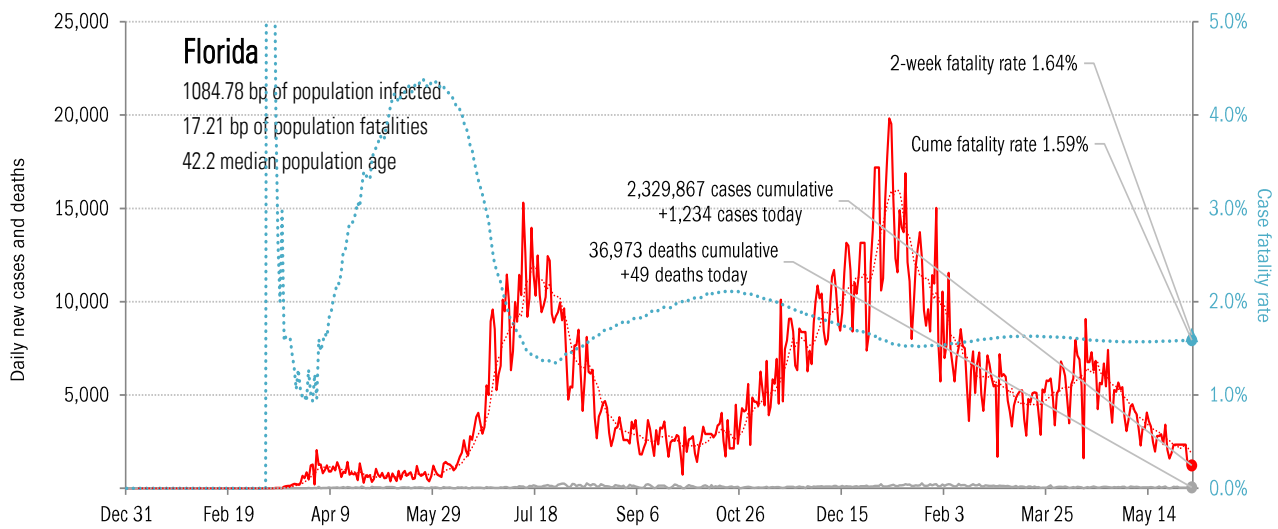
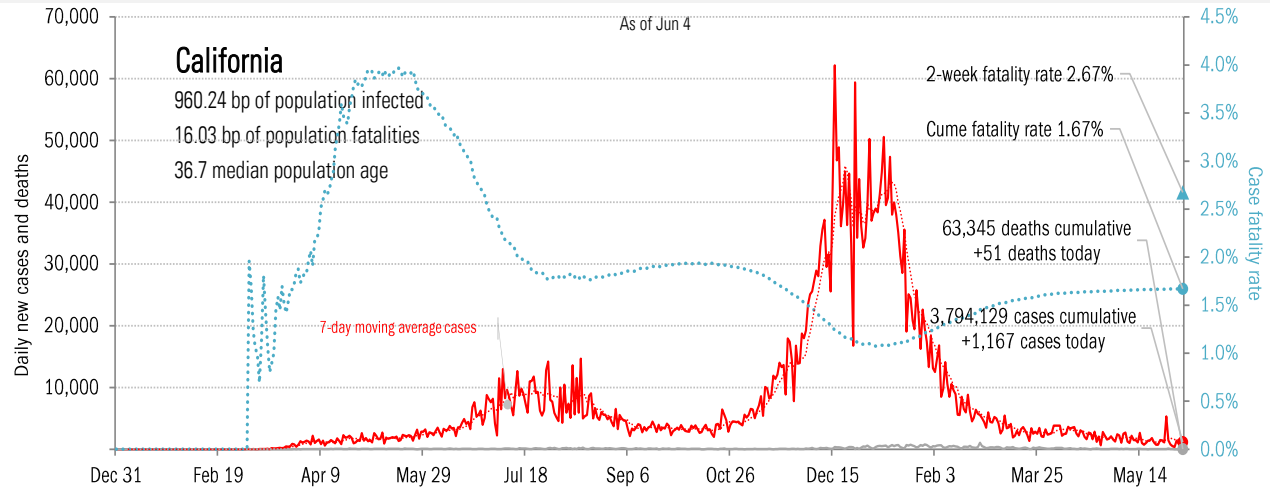
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



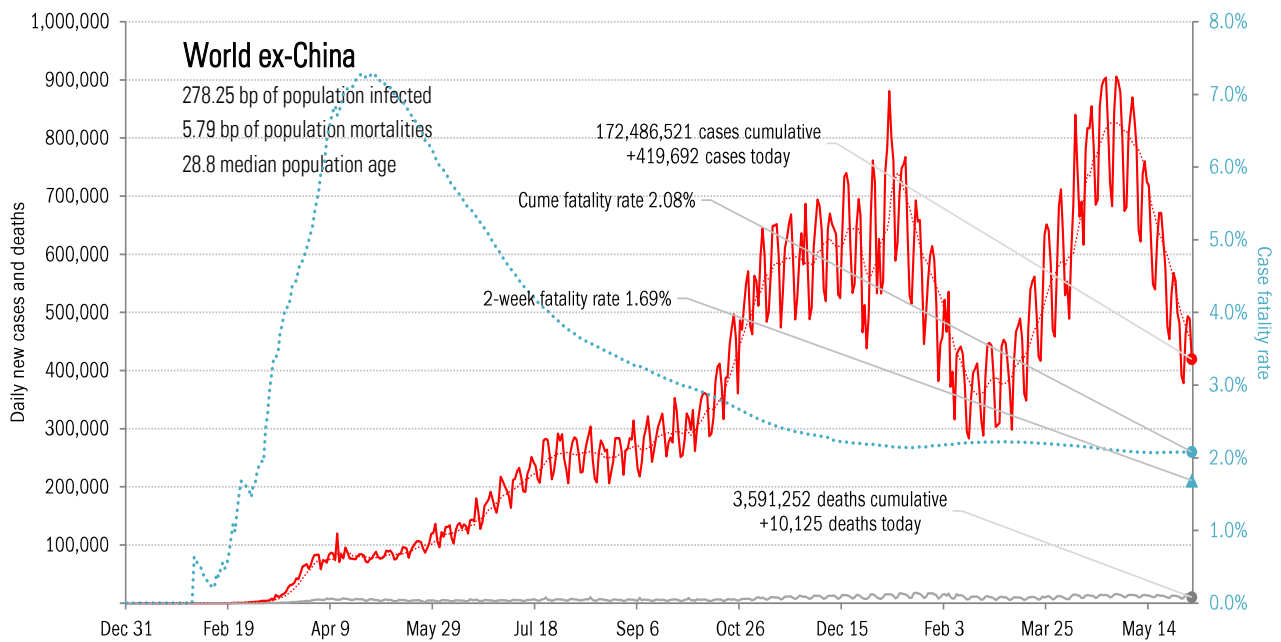
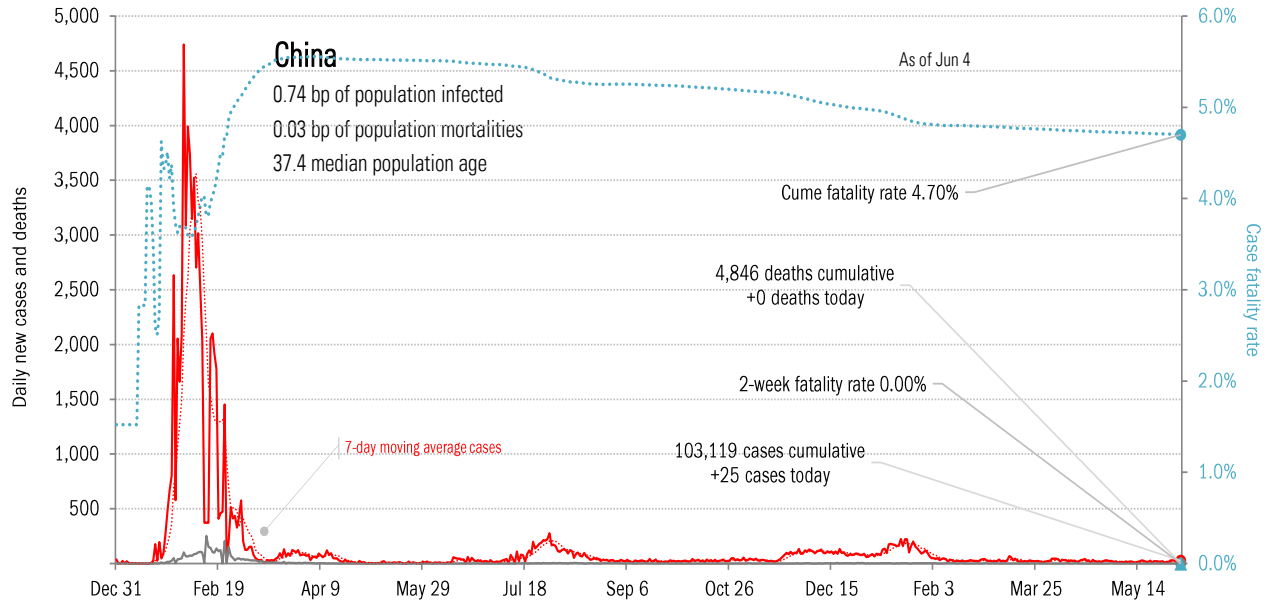
Source: [Johns Hopkins](#), TrendMacro calculations

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



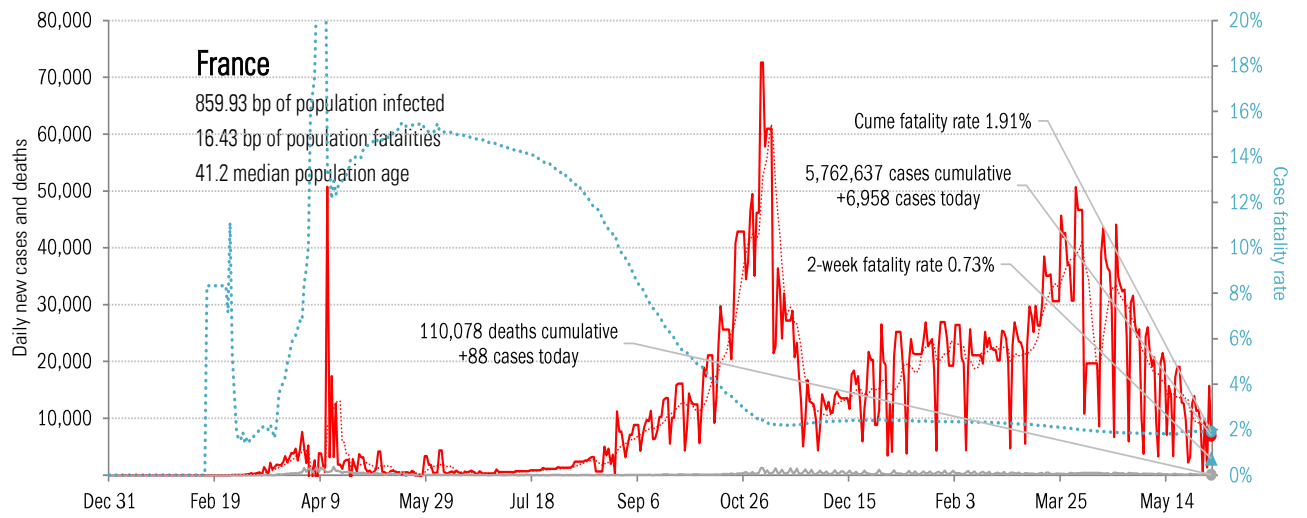
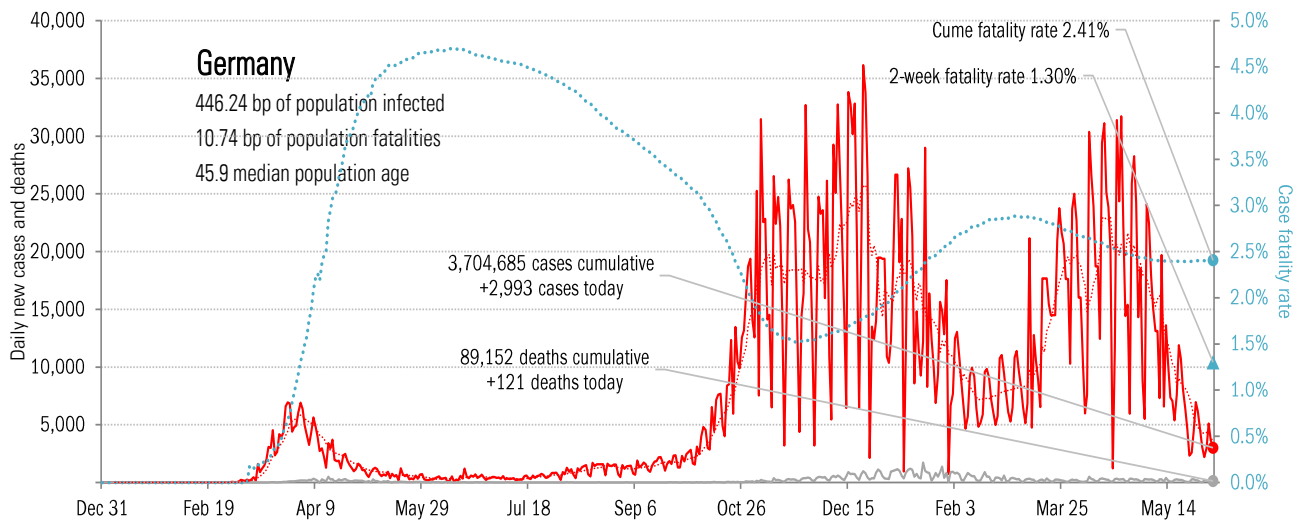
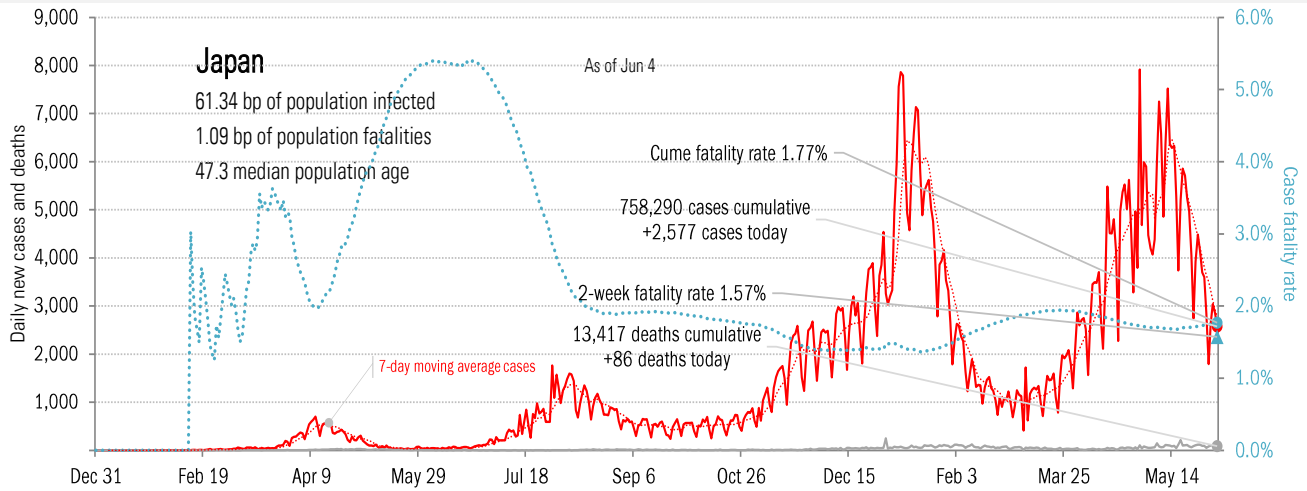
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



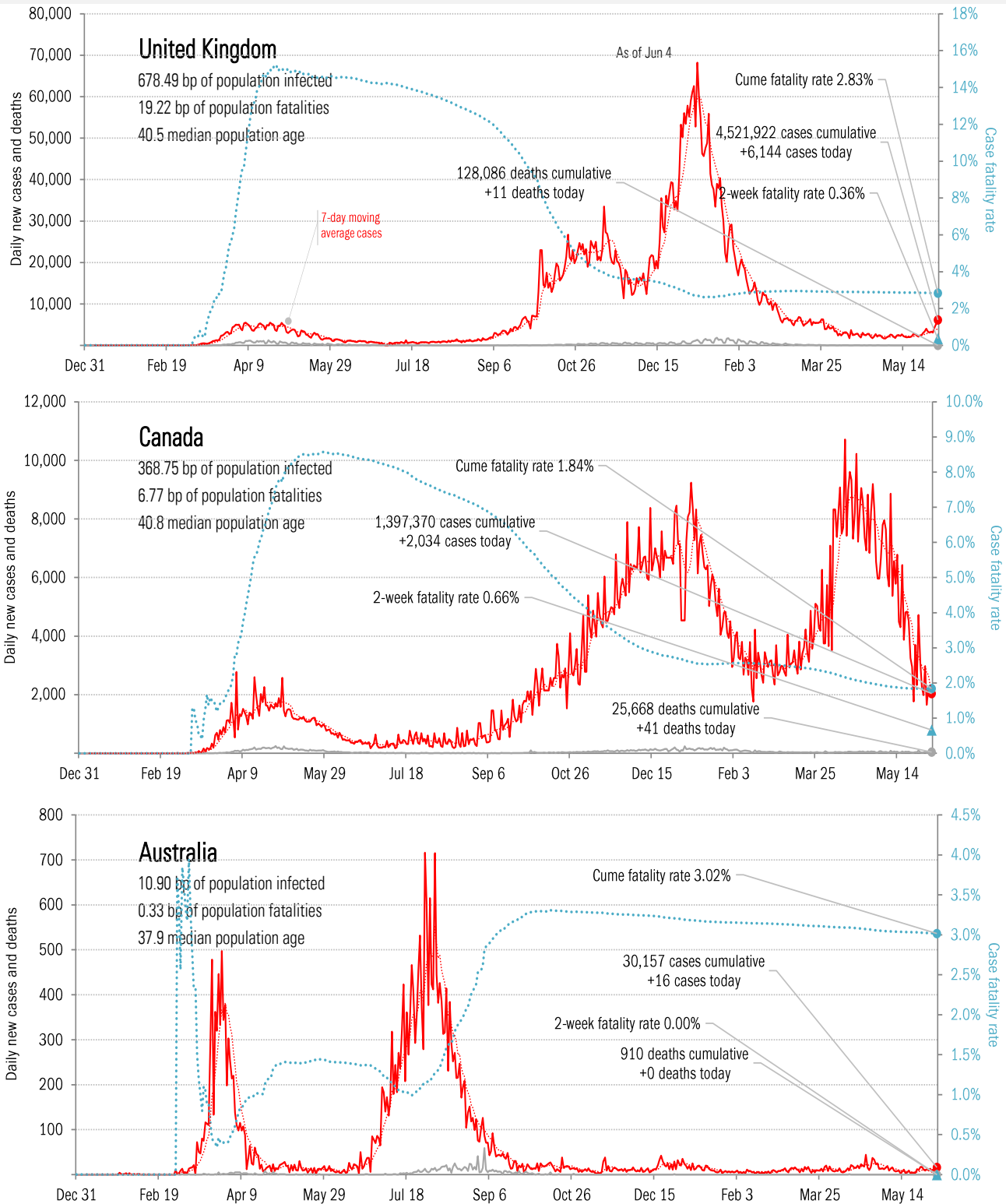
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



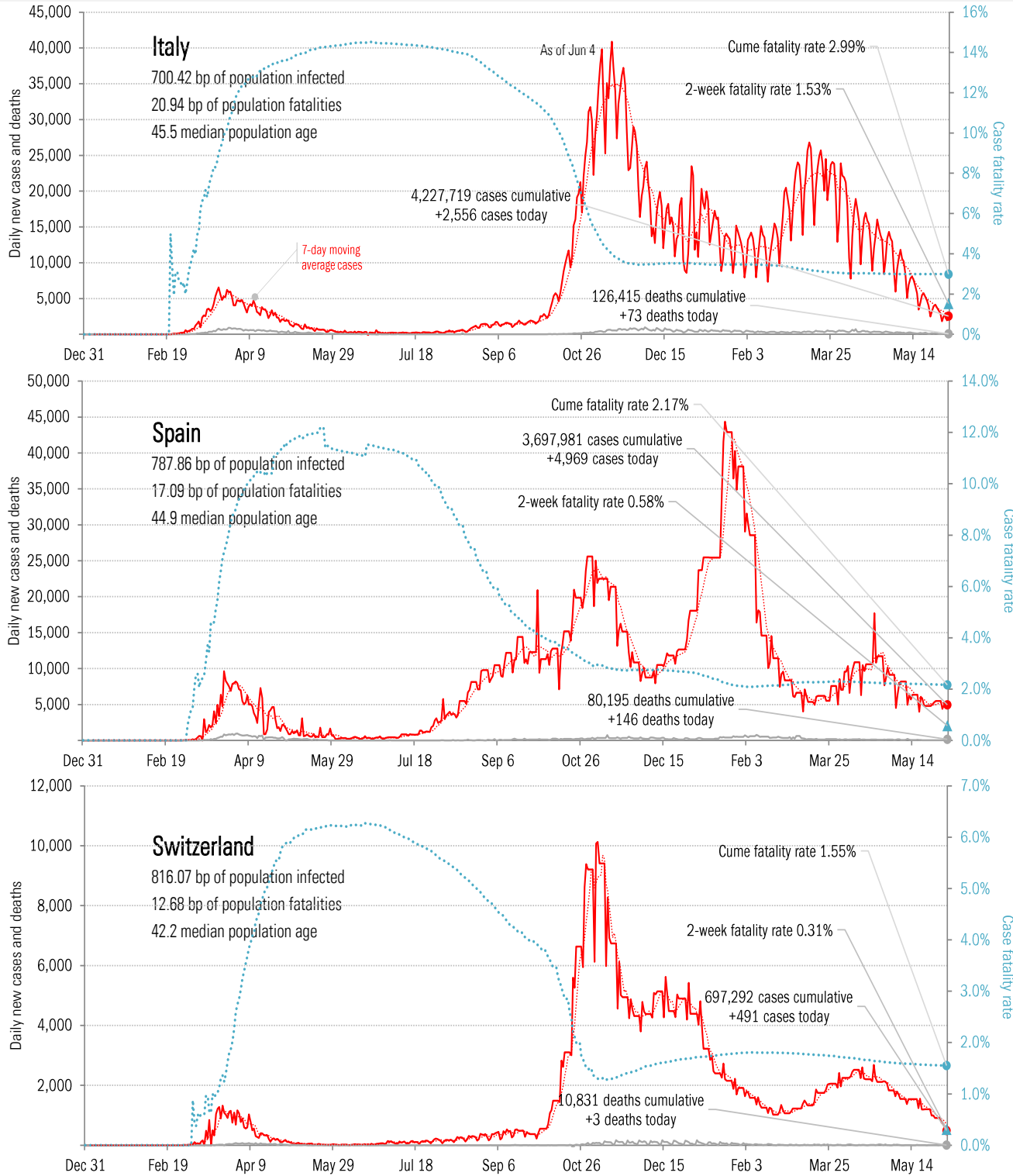
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



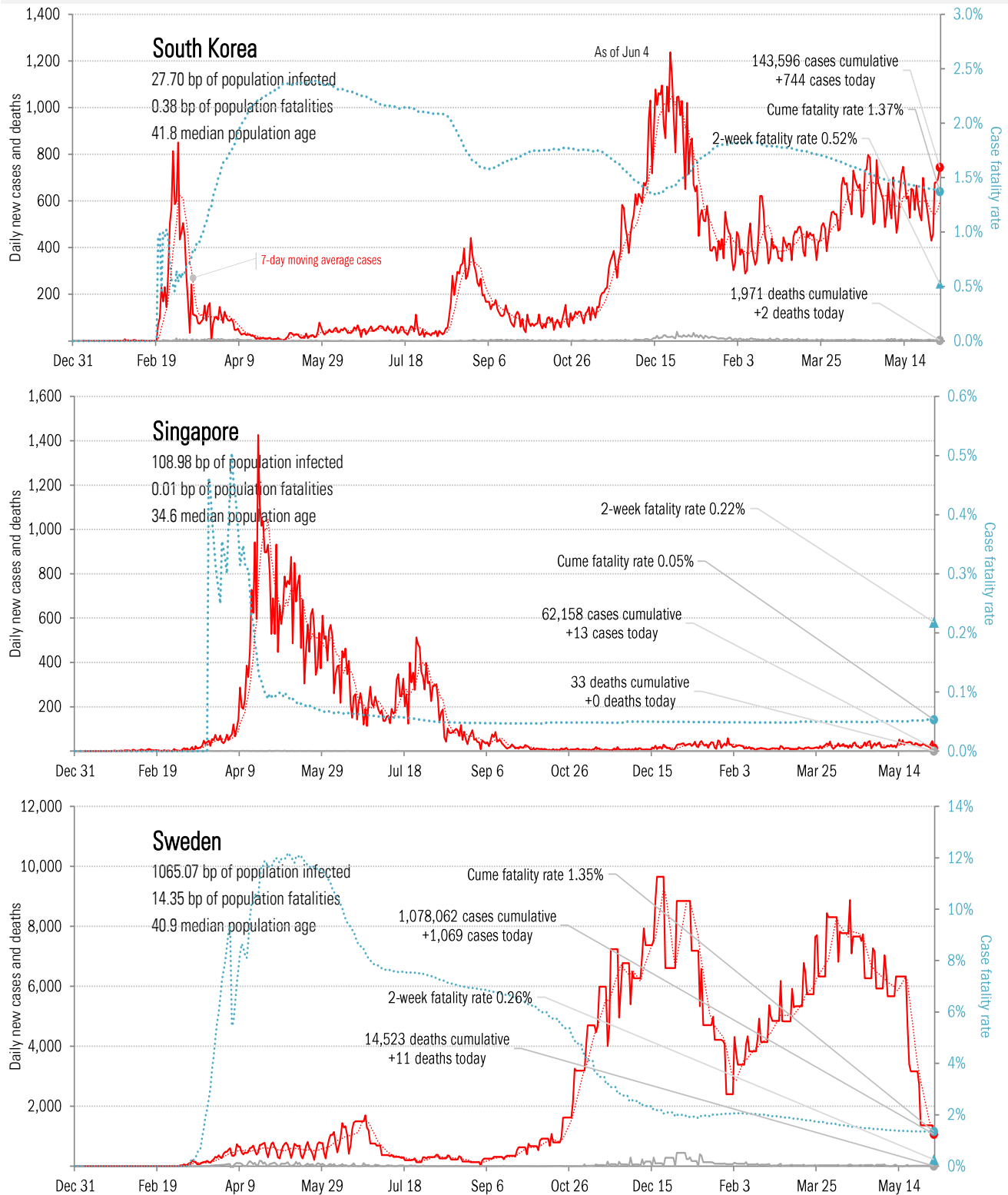
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



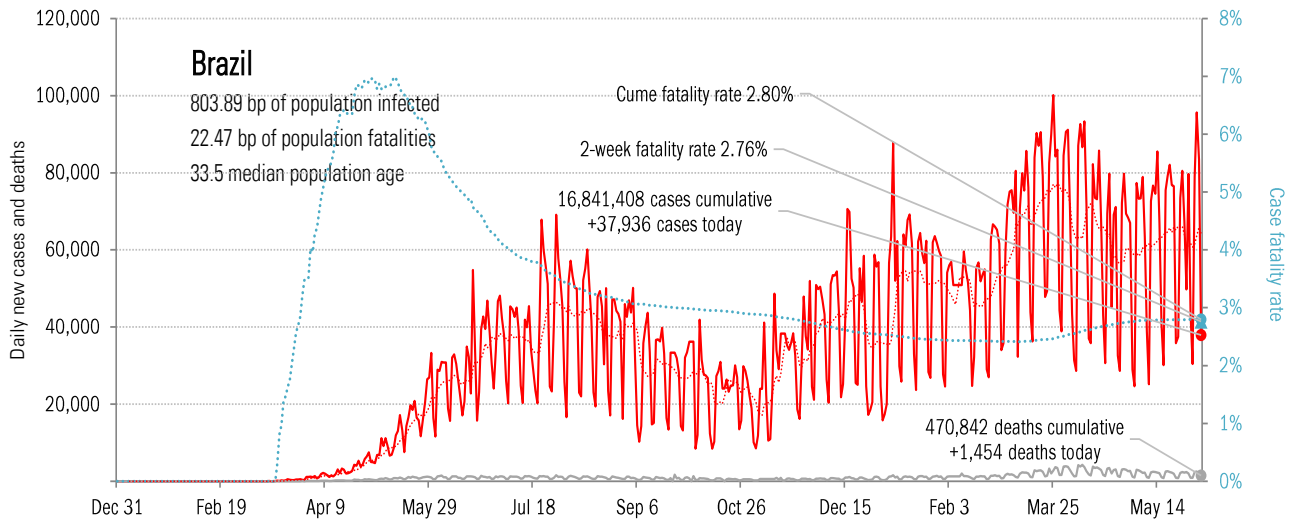
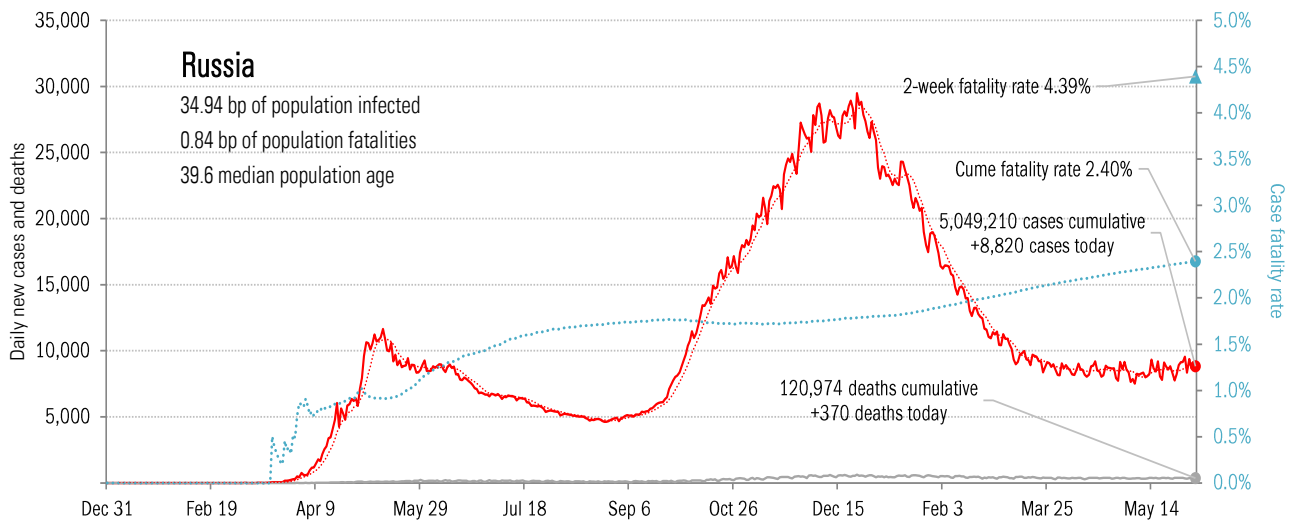
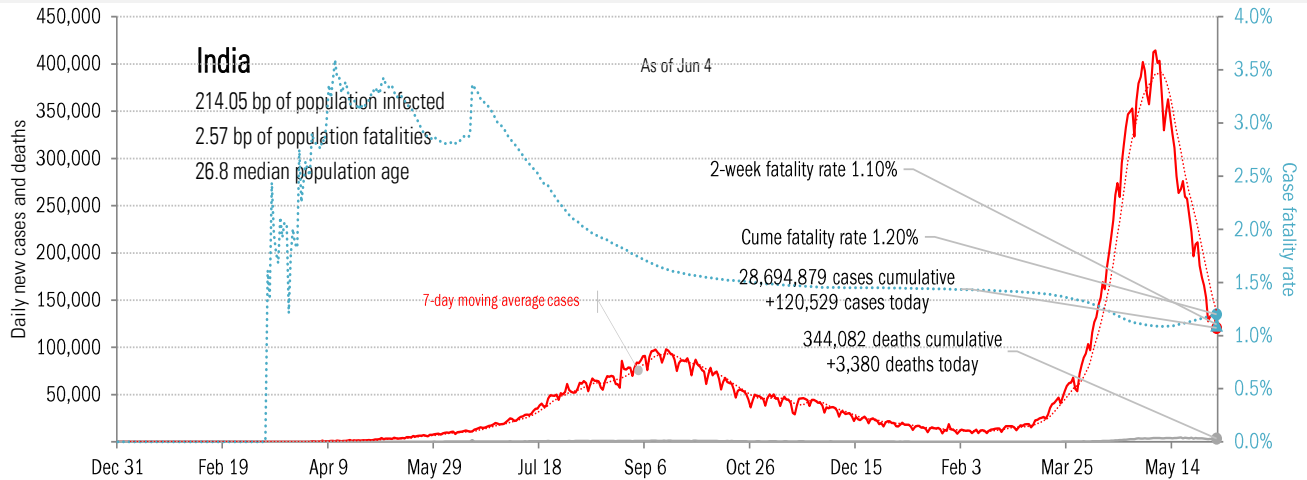
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



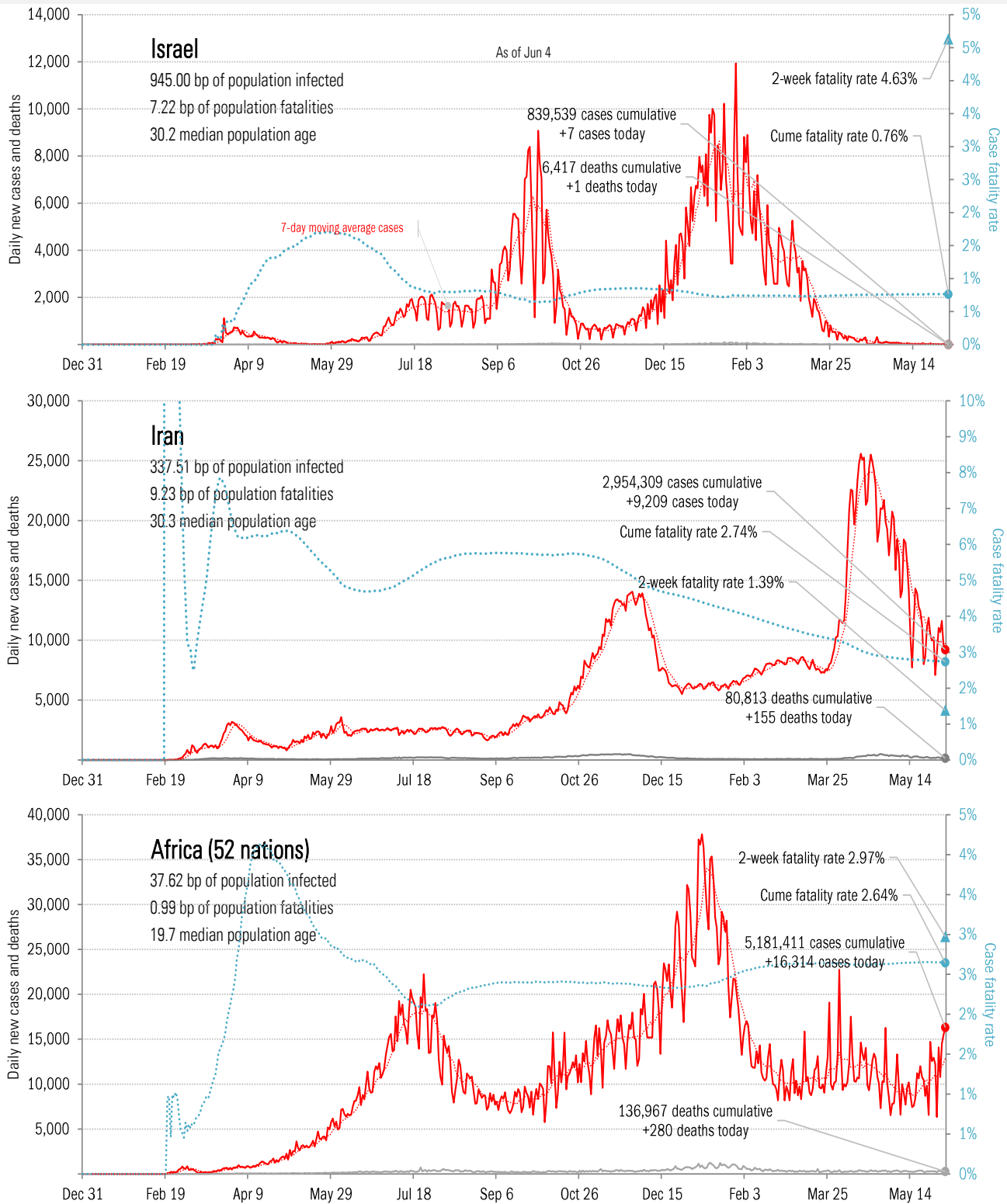
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



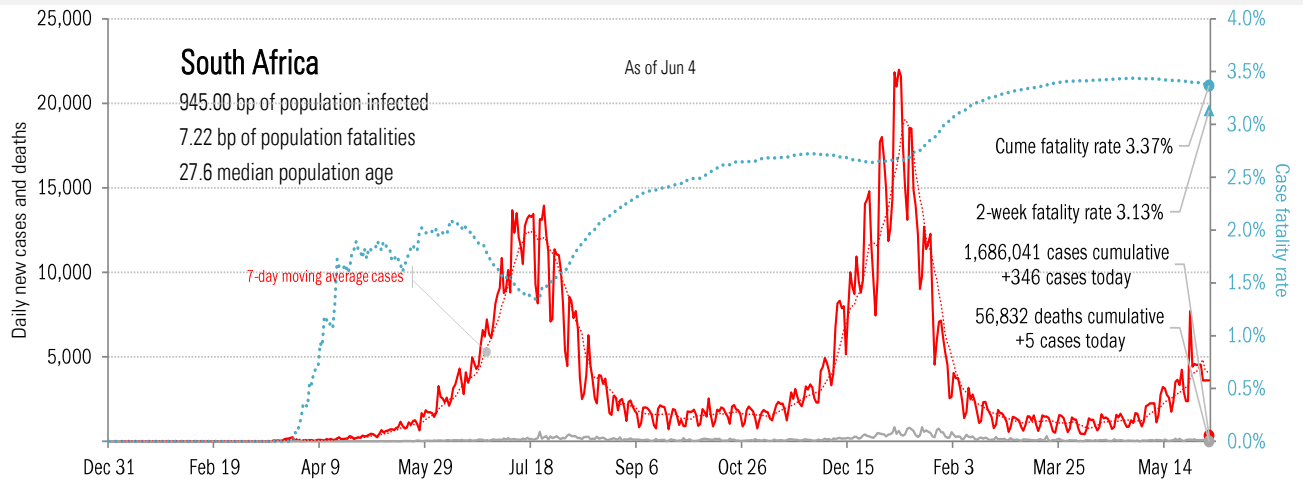
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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