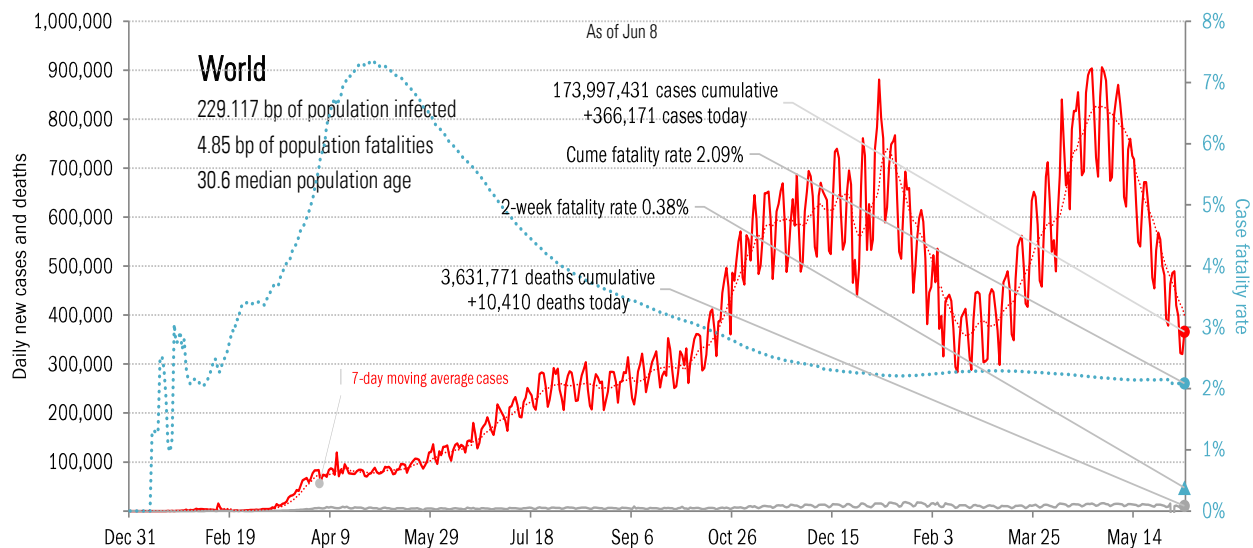
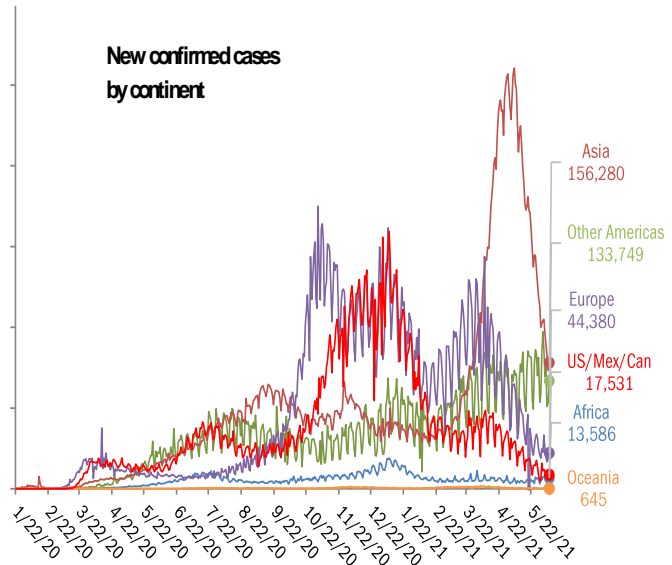


Data Insights: Covid-2019 Monitor

Wednesday, June 9, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+92,596	Brazil	+2,378
Brazil	+52,911	India	+2,219
Argentina	+31,137	Argentina	+721
Colombia	+18,586	Colombia	+427
United States	+13,011	United States	+380
Russia	+9,843	Russia	+372
Iran	+8,846	Romania	+277
Turkey	+6,609	Mexico	+262
Indonesia	+6,294	Peru	+246
France	+6,021	Indonesia	+189
+245,854		+7,471	
World	+366,171	World	+10,410
Top ten	67%	Top ten	72%



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

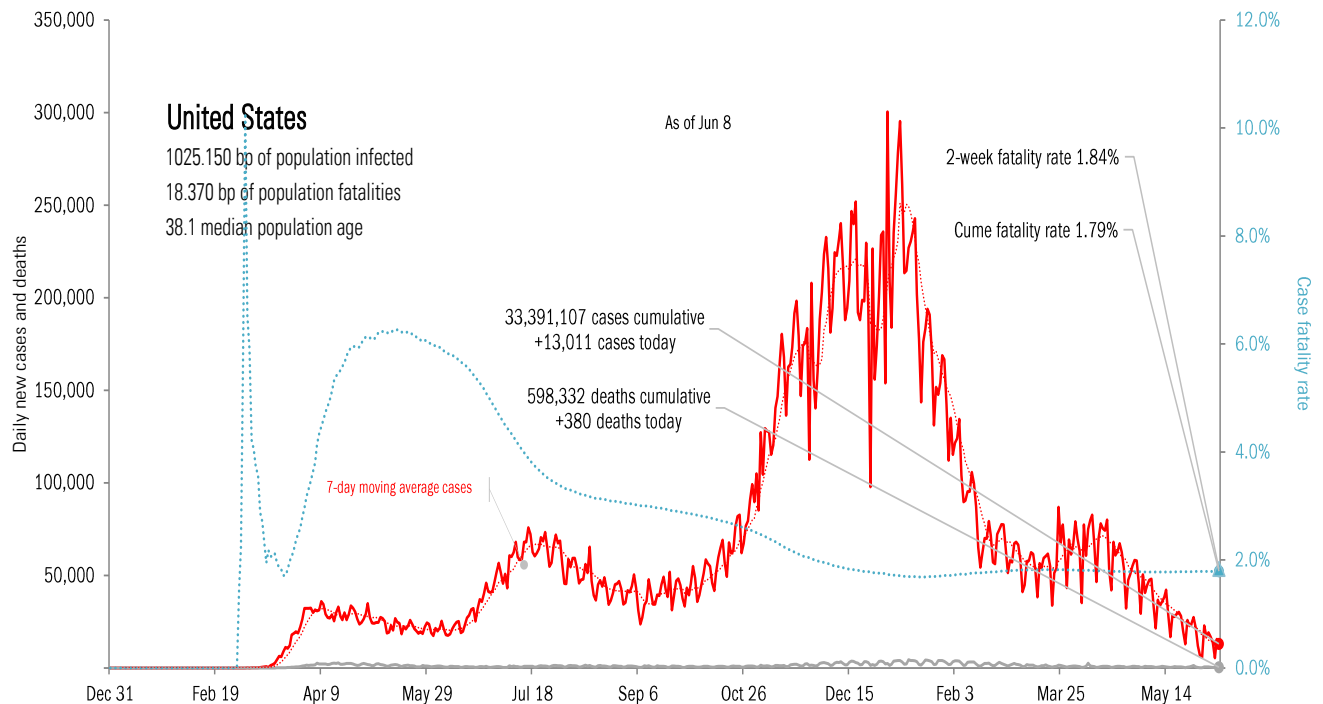
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
TX	+1,929		MI	+58		CA	+38		CA	3,797,937		CA	63,605		TX	249,561		R	92%	WA	13%
CA	+1,161		CH	+41		GA	+35		TX	2,966,038		NY	53,483		CA	237,075		MA	83%	CO	13%
MO	+724		TX	+41		TX	+21		FL	2,332,867		TX	51,777		FL	181,592		PA	82%	ID	13%
WA	+702		GA	+38		WA	+20		NY	2,106,852		FL	36,973		NY	134,958		MO	82%	MO	13%
CO	+600		PA	+35		MO	+12		IL	1,385,772		PA	27,395		GA	107,230		MI	80%	MI	11%
KY	+599		MO	+33		MS	+12		PA	1,211,114		NJ	26,285		PA	90,485		MD	80%	ME	10%
NY	+453		CA	+25		WI	+7		GA	1,126,789		IL	25,386		CH	86,374		MIN	79%	MS	10%
CH	+426		WI	+16		CT	+5		CH	1,105,329		GA	21,024		IL	81,317		WV	78%	OR	10%
PA	+423		CO	+14		ND	+5		NJ	1,018,307		MI	20,658		KY	75,938		CT	78%	WV	10%
AZ	+414		IL	+14		NV	+5		NC	1,006,265		CH	20,021		MI	72,198		DC	77%	UT	9%
+7,431			+315			+160			18,057,270			346,607			1,316,728			All states 70%		67%	
All states +13,011			+380			-146			All states 33,391,107			598,332			2,344,450			All states 70%		67%	
Top ten 57%			83%			-110%			Top ten 54%			58%			56%			Median 72%		7%	

Some states not reporting

Five most improved US states

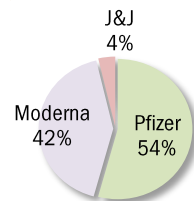
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NC	-998	WA	-91	FL	-70	NH	+129 bp
LA	-694	NC	-35	CH	-30	MT	+92 bp
AL	-523	AL	-16	AL	-23	ME	+69 bp
NV	-280	KS	-16	VA	-22	MP	+67 bp
MS	-275	WV	-7	CO	-17	OR	+62 bp



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	384,638,105				+0.583 million	US	42.0%	51.4%
Doses administered	313,149,624				+1.075 million	UK	41.6%	59.8%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	19.1%	41.9%
Total population	176,259,544	53%	144,408,064	43%	+0.695 million	Spain	24.1%	42.9%
Age 12 to 17	7,058,339	28%	3,273,357	13%	+0.247 million	Germany	21.7%	45.7%
Age 18 to 64	120,182,436	59%	98,242,628	48%	+0.451 million	Italy	22.1%	44.6%
Age 65 and over	48,852,317	89%	42,861,309	78%	+0.010 million	Australia	2.5%	17.9%



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 **156 days** by Nov 10, 2021

67.5% of population >18 immunized
14.1% previously tested positive
81.5% vs 60% adult herd immunity*

Global data differs from sources, timing

China NA

AK
60.0%
46.9%
40.2%

ME
71.0%
64.4%
56.5%

WI
54.1%
51.9%
45.7%

VT	NH
76.7%	69.2%
71.7%	60.8%
59.4%	52.3%

WA 62.9% 58.1% 48.9%	ID 48.3% 38.1% 33.5%	MT 54.4% 46.2% 39.9%	ND 48.3% 42.7% 37.1%	MN 59.9% 55.2% 47.4%	IL 60.0% 56.2% 41.3%	MI 60.2% 49.6% 43.4%	NY 62.6% 57.0% 48.7%	MA 72.3% 67.9% 56.5%		
OR 68.6% 56.1% 47.7%	NV 51.0% 46.6% 38.1%	WY 46.9% 37.8% 32.5%	SD 56.6% 48.8% 43.1%	IA 56.4% 49.9% 44.9%	IN 51.7% 42.5% 36.5%	OH 54.7% 46.6% 41.3%	PA 63.8% 59.8% 45.5%	NJ 66.3% 61.8% 50.8%	CT 68.3% 64.4% 55.5%	RI 73.1% 62.1% 53.6%
CA 64.1% 58.2% 45.1%	UT 52.0% 46.0% 33.6%	CO 62.5% 55.4% 47.1%	NE 55.2% 49.2% 43.4%	MO 51.3% 42.9% 35.2%	KY 51.9% 47.3% 39.4%	WV 55.0% 41.4% 34.7%	VA 62.1% 56.5% 46.9%	MD 71.3% 58.6% 50.0%	DE 67.6% 55.8% 44.9%	
AZ 57.2% 47.2% 37.1%	NM 58.4% 58.7% 49.0%	KS 54.7% 47.5% 39.3%	AR 49.2% 40.2% 31.9%	TN 47.9% 39.7% 32.4%	NC 57.7% 43.9% 36.9%	SC 53.1% 41.7% 35.1%	DC 78.1% 58.0% 47.6%			
HI 69.9% 67.7% 48.5%	OK 52.8% 42.1% 34.3%	LA 45.1% 36.4% 32.0%	MS 46.7% 34.7% 27.9%	AL 50.2% 36.2% 29.4%	GA 54.1% 41.3% 33.8%	FL 60.0% 50.4% 40.5%	PR 63.9% 52.6% 39.1%			

As of Jun 8

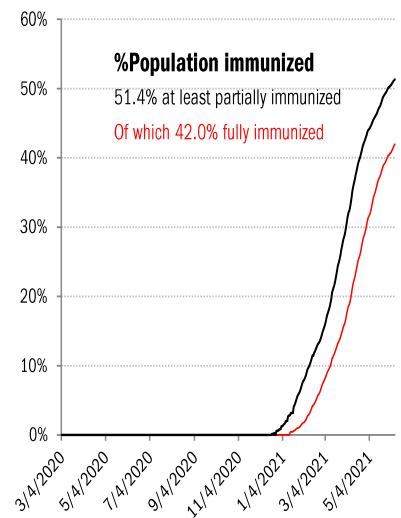
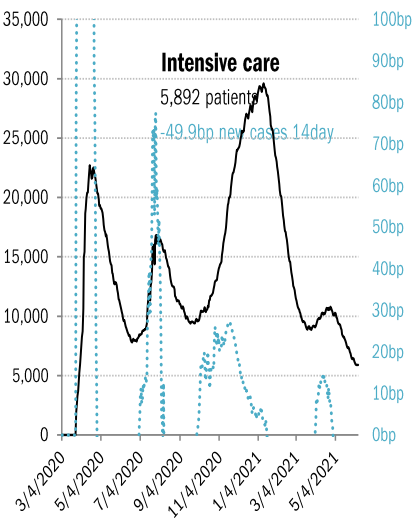
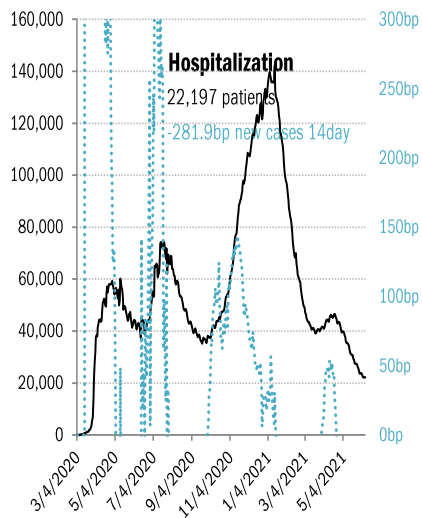
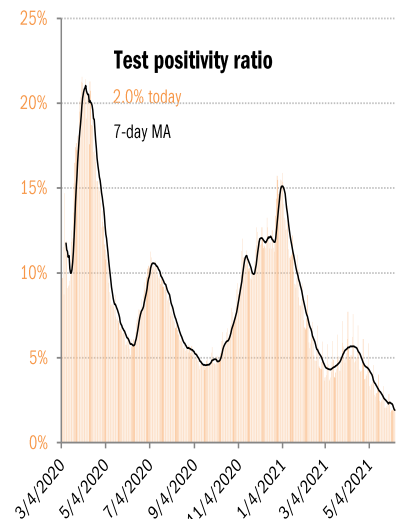
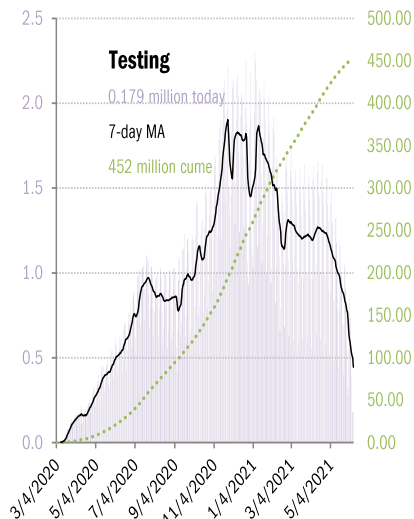
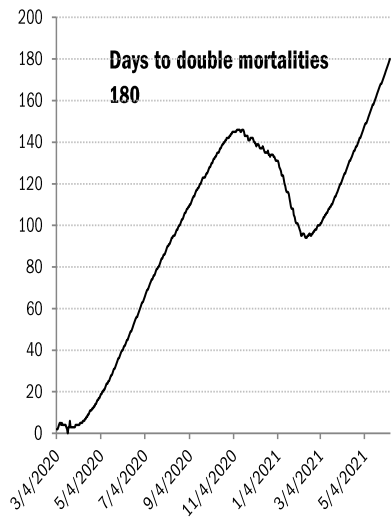
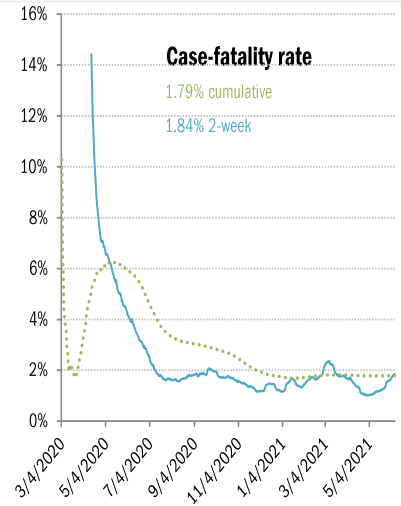
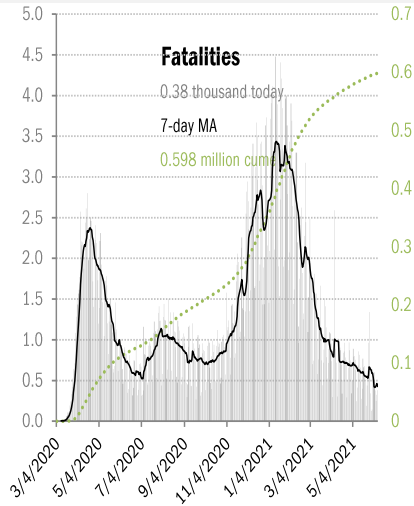
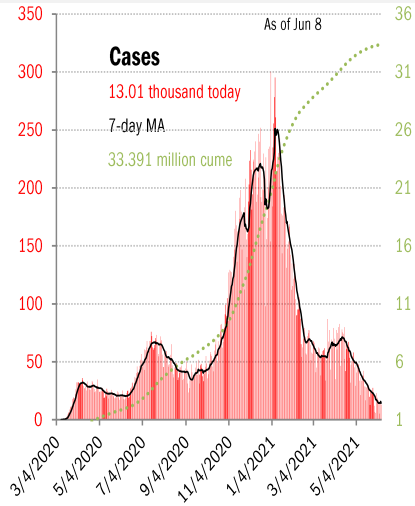
* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

** 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

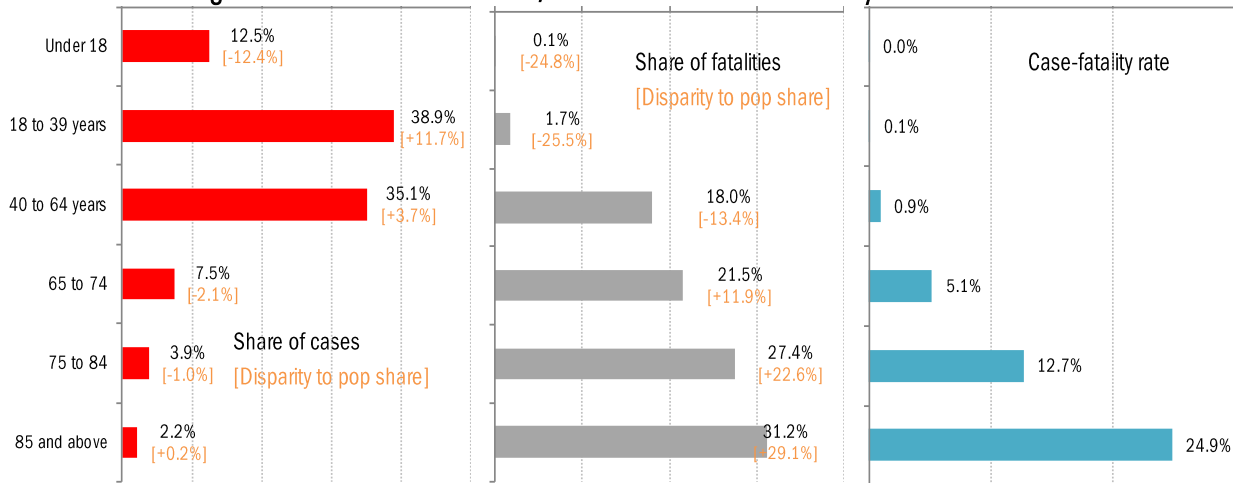
US deep-dive

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

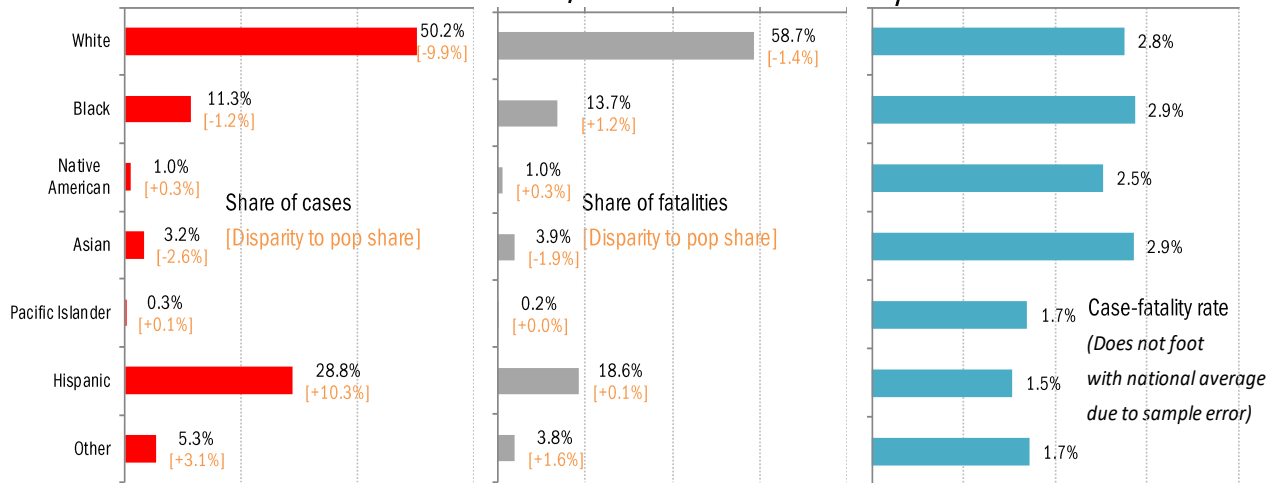


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

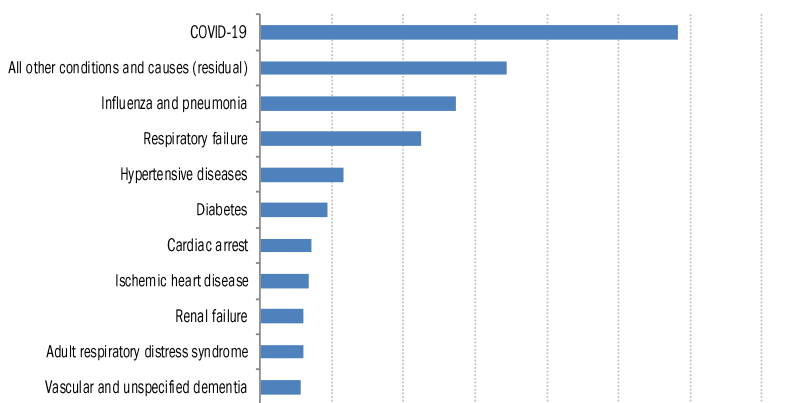


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of May 30

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

[Explosive, Unearthed Video Shows Peter Daszak Describing 'Chinese Colleagues' Developing 'Killer' Coronaviruses.](#)

Natalie Winters
National Pulse
June 8, 2021

[Hydroxychloroquine + Azithromycin therapy at a higher dose improved survival by nearly 200% in ventilated COVID patients](#)

Liji Thomas
News Medical
June 2, 2021

[Ineligible Nursing Home Managers Received Covid-19 Bonuses](#)

Christopher Weaver
Wall Street Journal
June 6, 2021

[U.S. Report Found It Plausible Covid-19 Leaked From Wuhan Lab](#)

Michael R. Gordon and Warren P. Strobel
Wall Street Journal
June 8, 2021

[California's COVID state of emergency won't end on June 15, Gavin Newsom says](#)

Lara Korte
Sacramento Bee
June 4, 2021

[Dr Fauci briefed world leaders that coronavirus could have escaped from Wuhan lab LAST spring, Former FDA commissioner Scott Gottlieb reveals, despite his public insistence it came from a bat](#)

James Gordon
Daily Mail
June 6, 2021

[Only 40% of Voters Think Dr. Fauci Told the Truth About Virus Research](#)

Rasmussen
June 8, 2021

[Gangrene, Hearing Loss Show Delta Variant May Be More Severe](#)

Bhuma Shrivastava
Bloomberg
June 7, 2021

Meme of the day

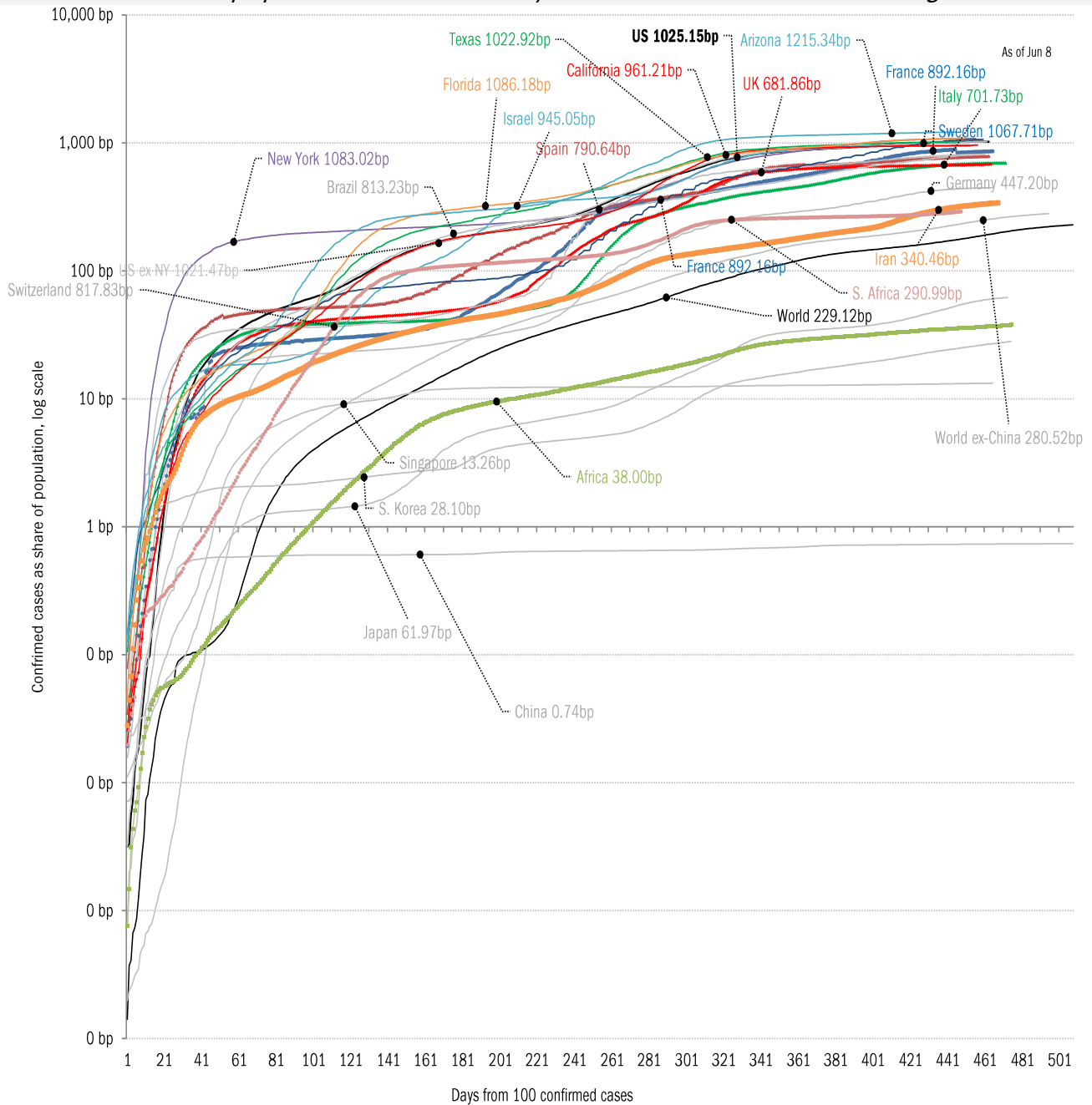
Sometimes you have to admit



that it's time to retire

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

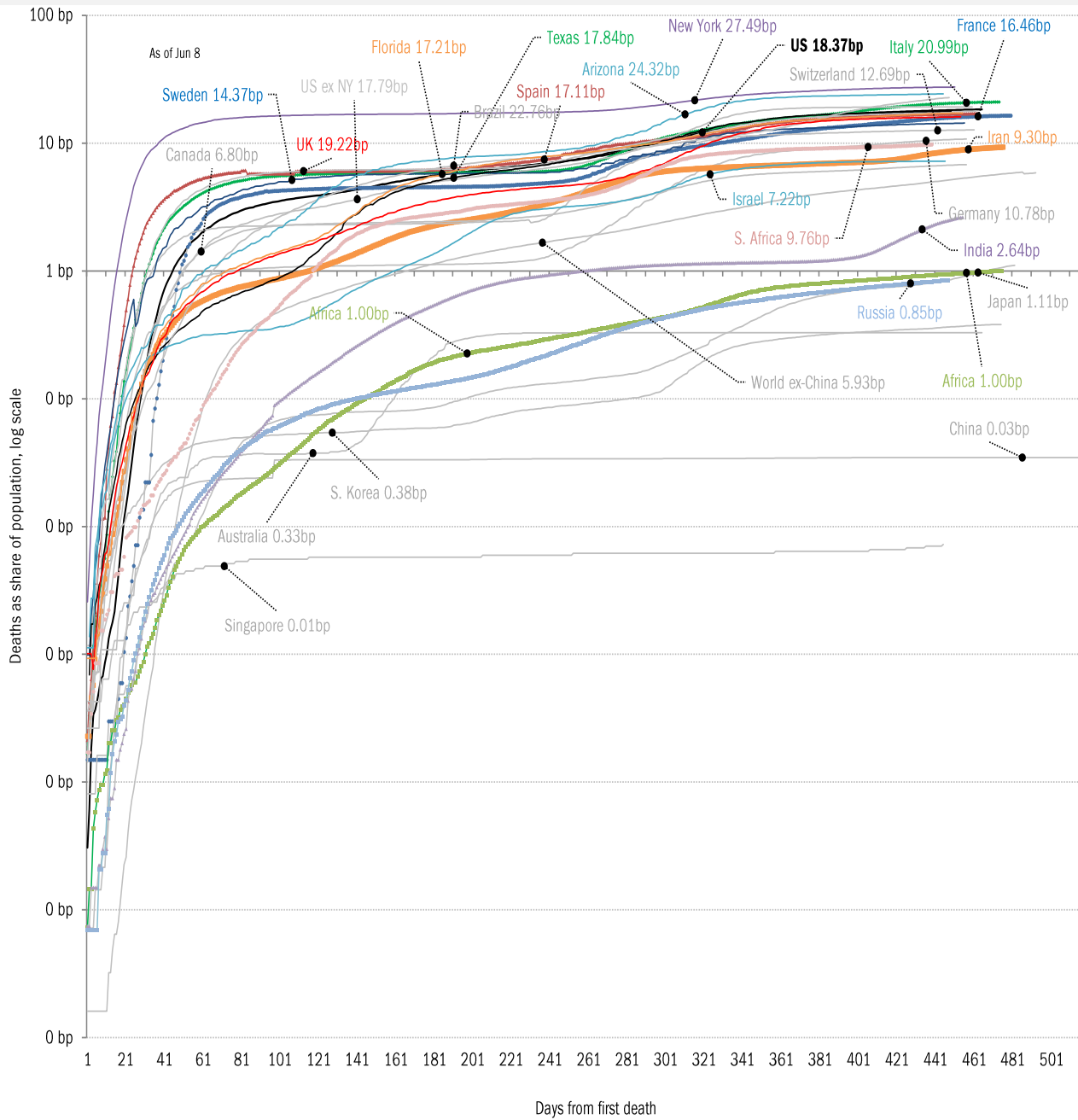
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

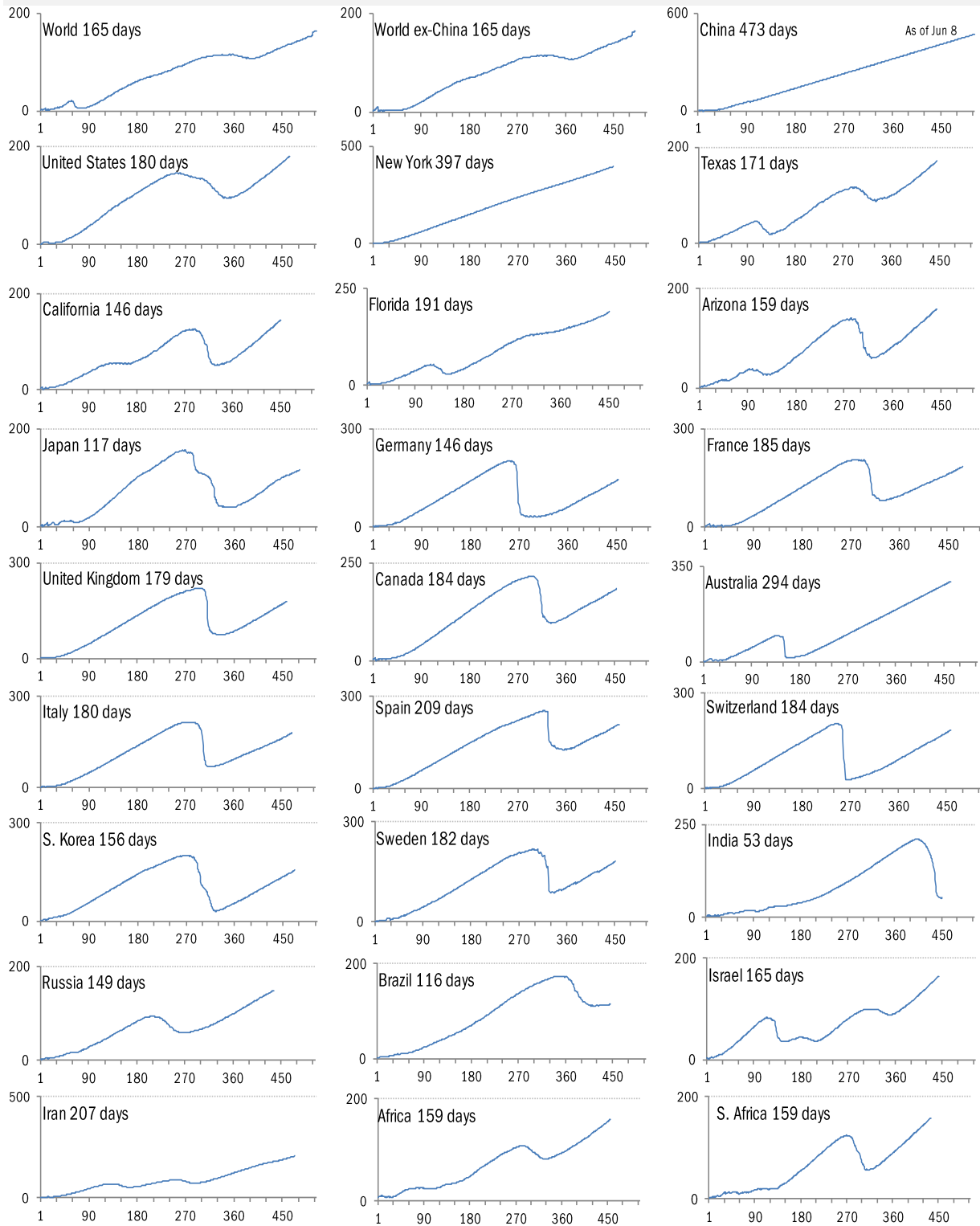


Source: [Johns Hopkins](#), TrendMacro calculations

"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

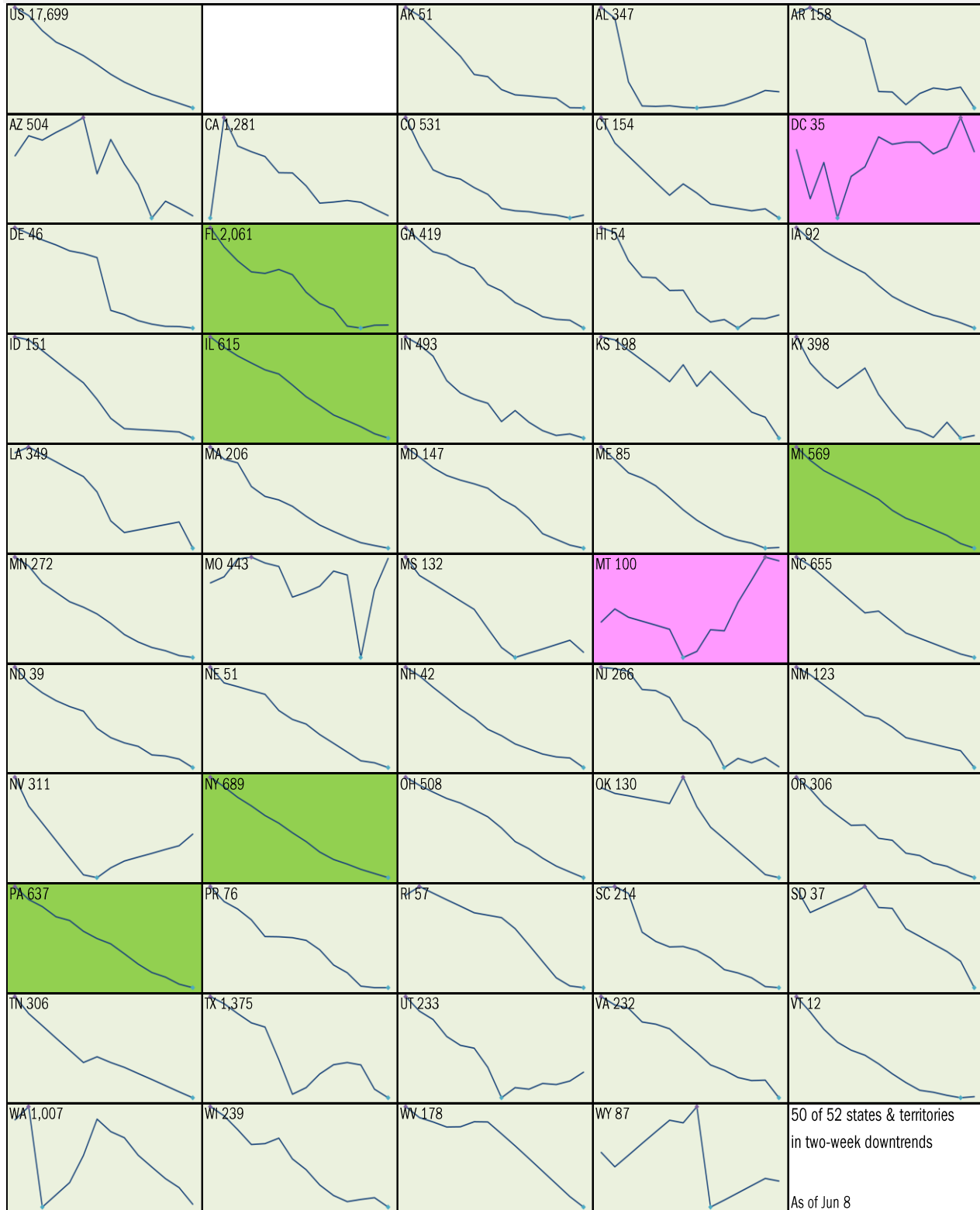


Source: [Johns Hopkins](#), TrendMacro calculations

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

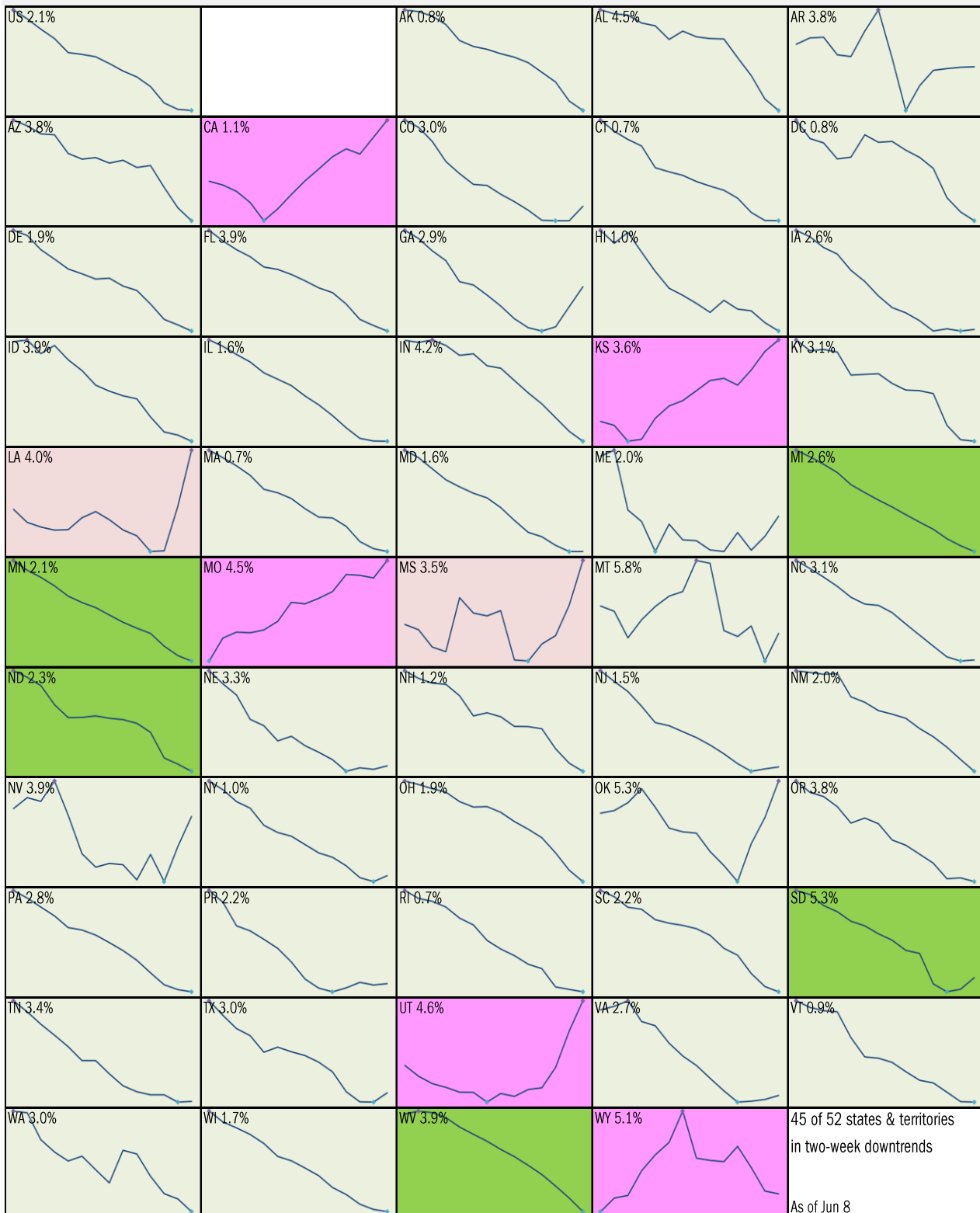


Source: [Johns Hopkins](#), TrendMacro calculations

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

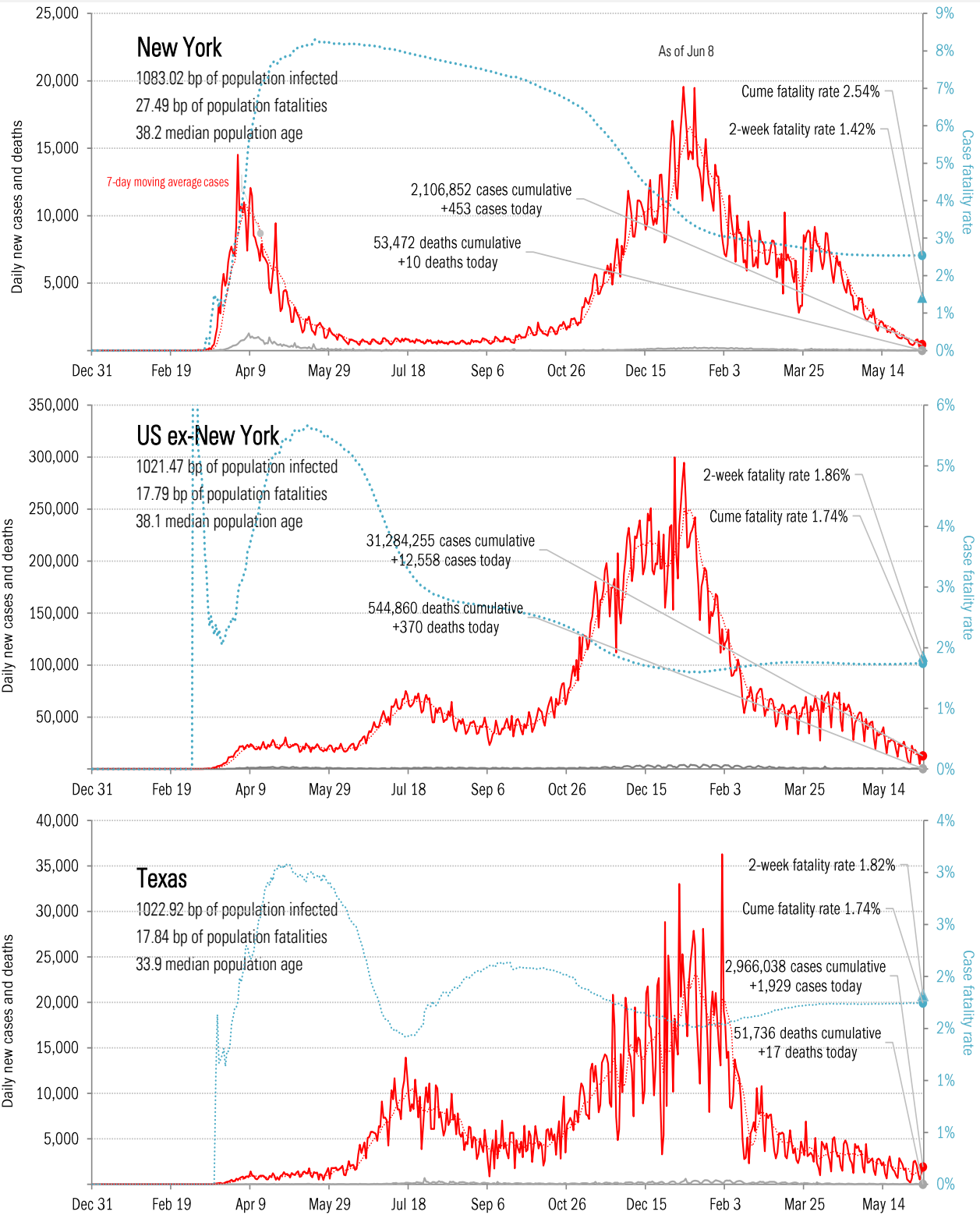
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



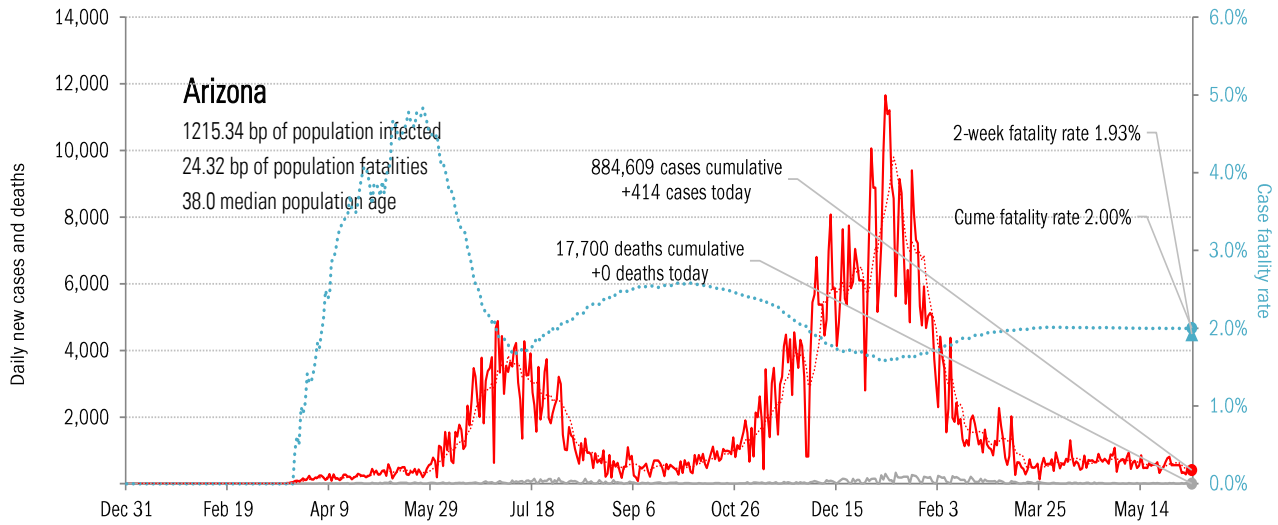
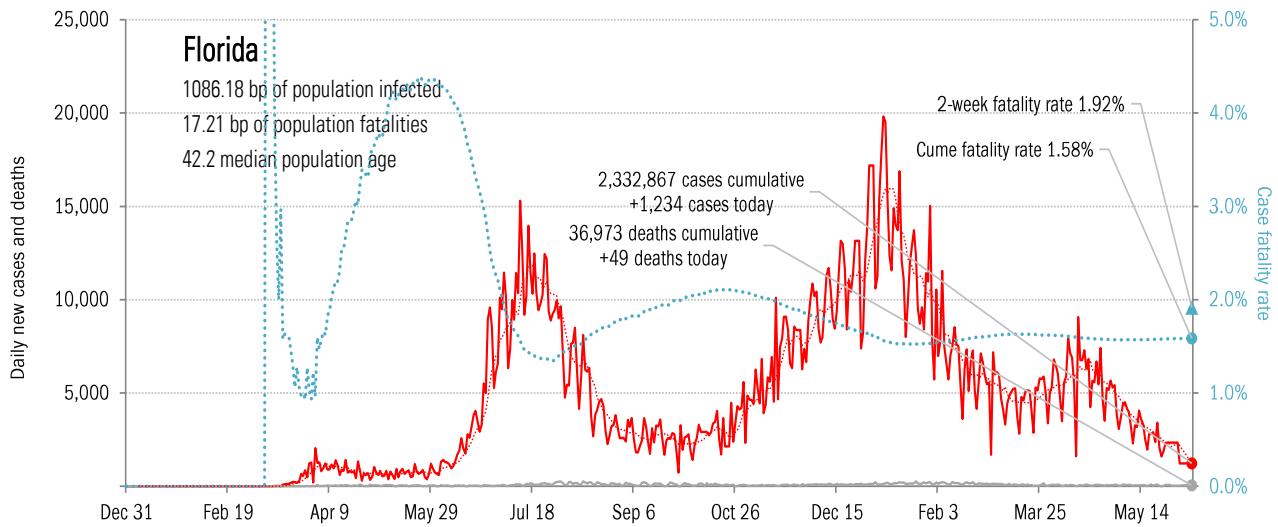
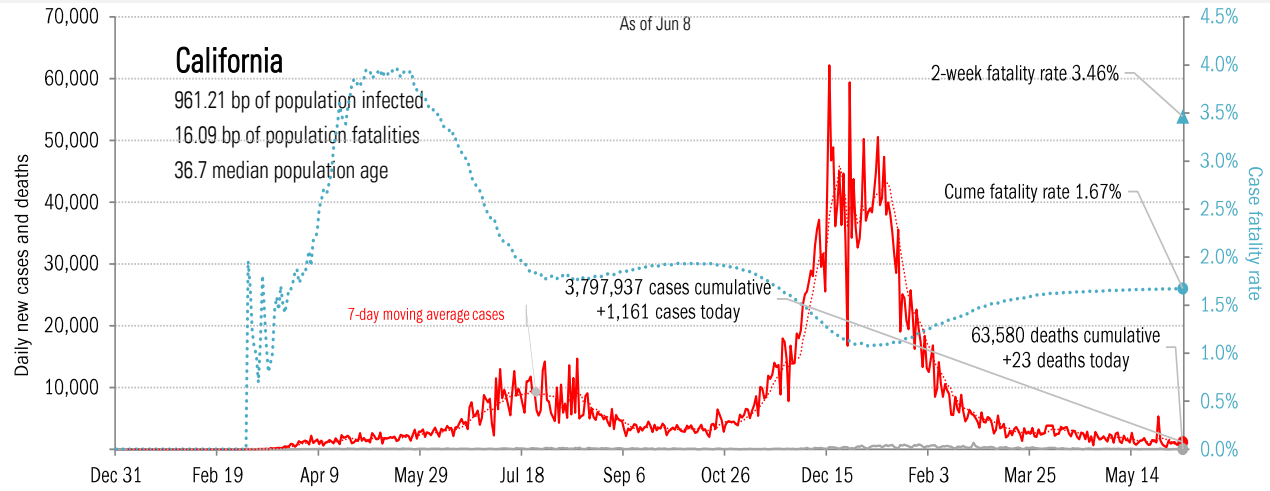
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



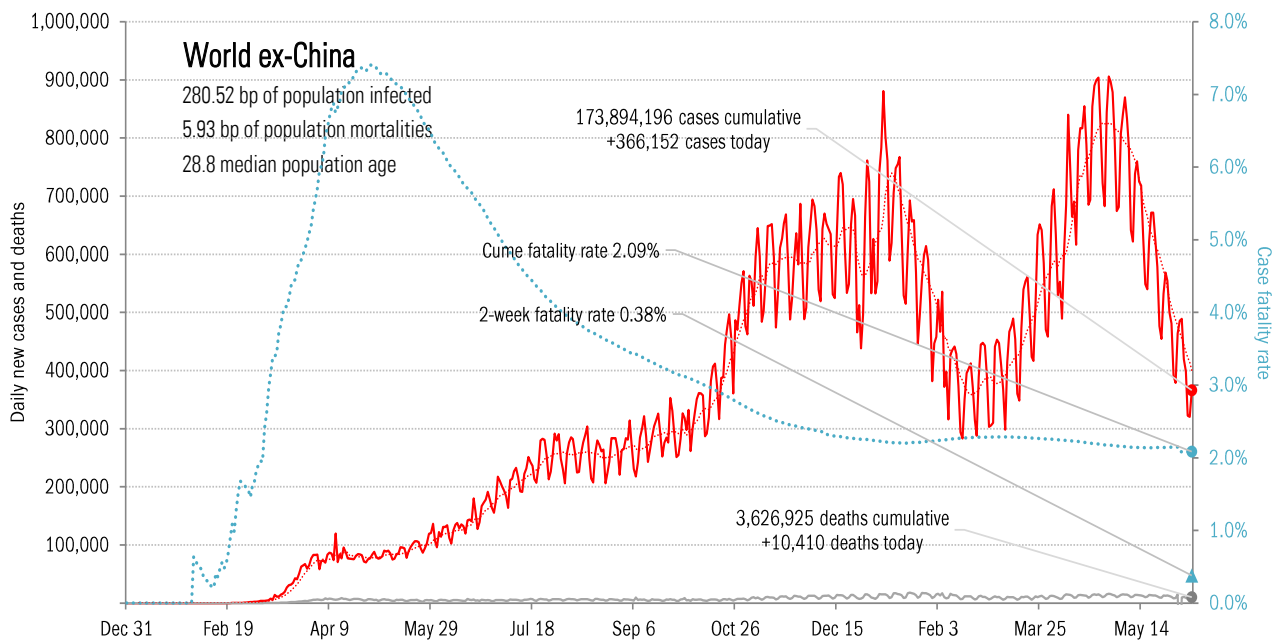
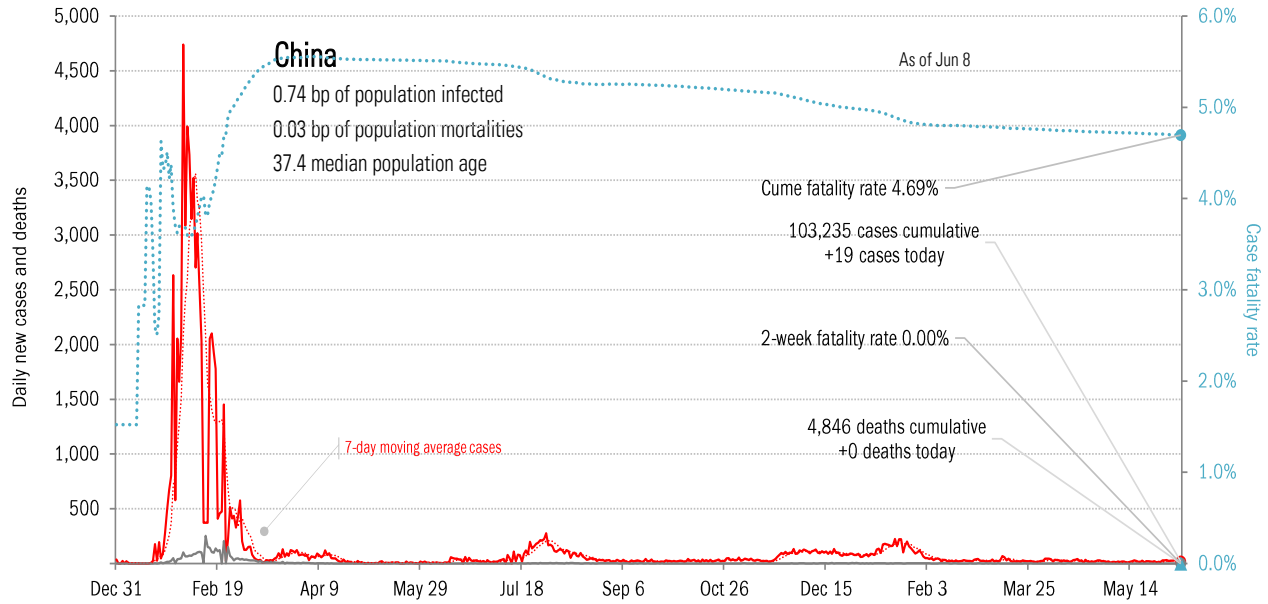
Source: [Johns Hopkins](#), TrendMacro calculations

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



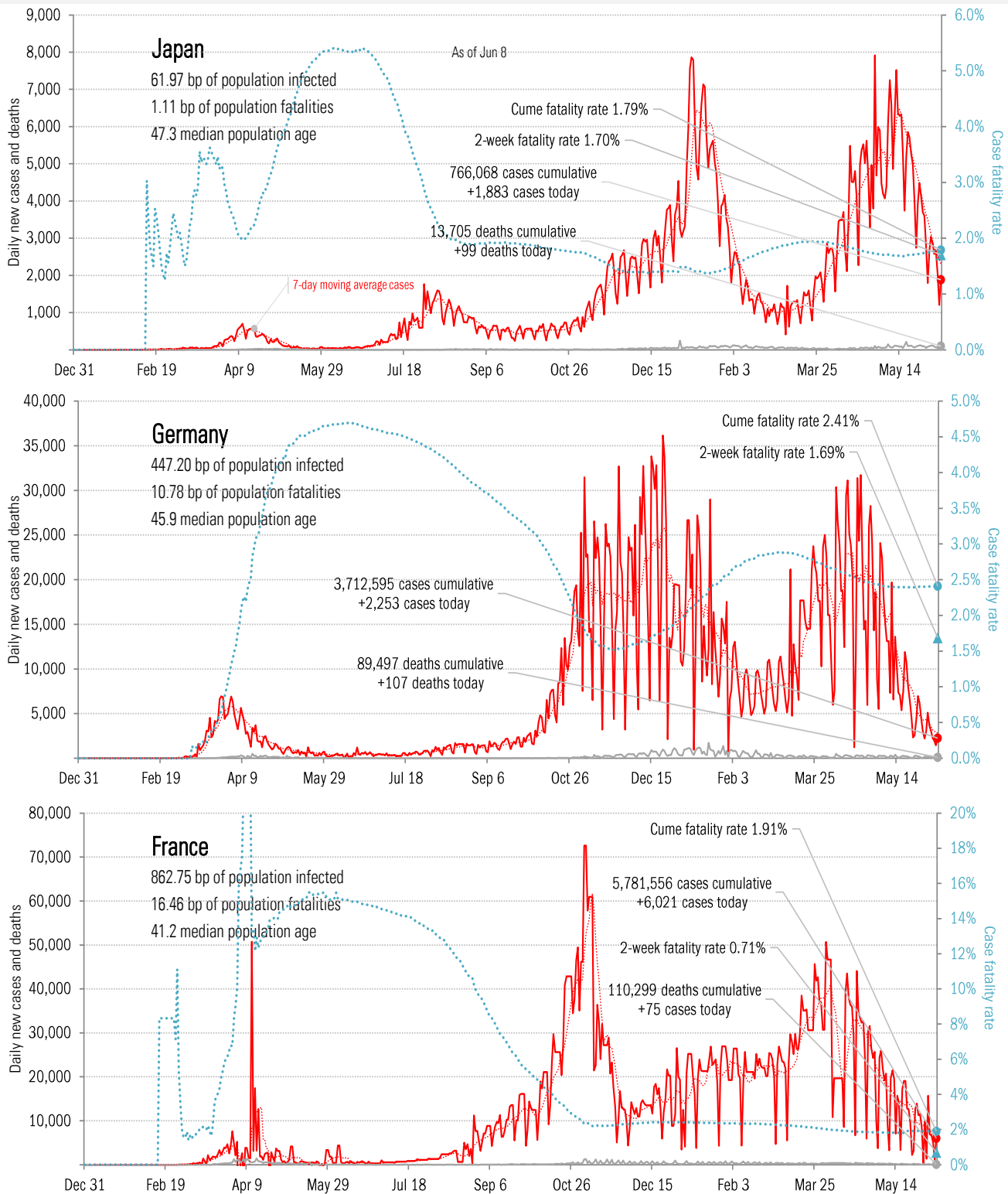
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



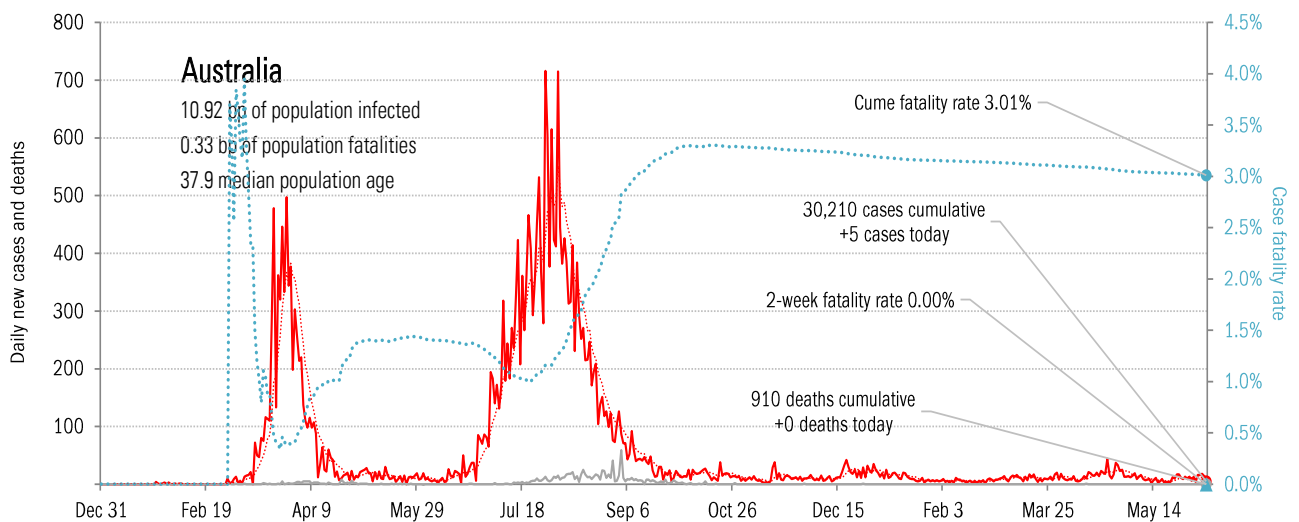
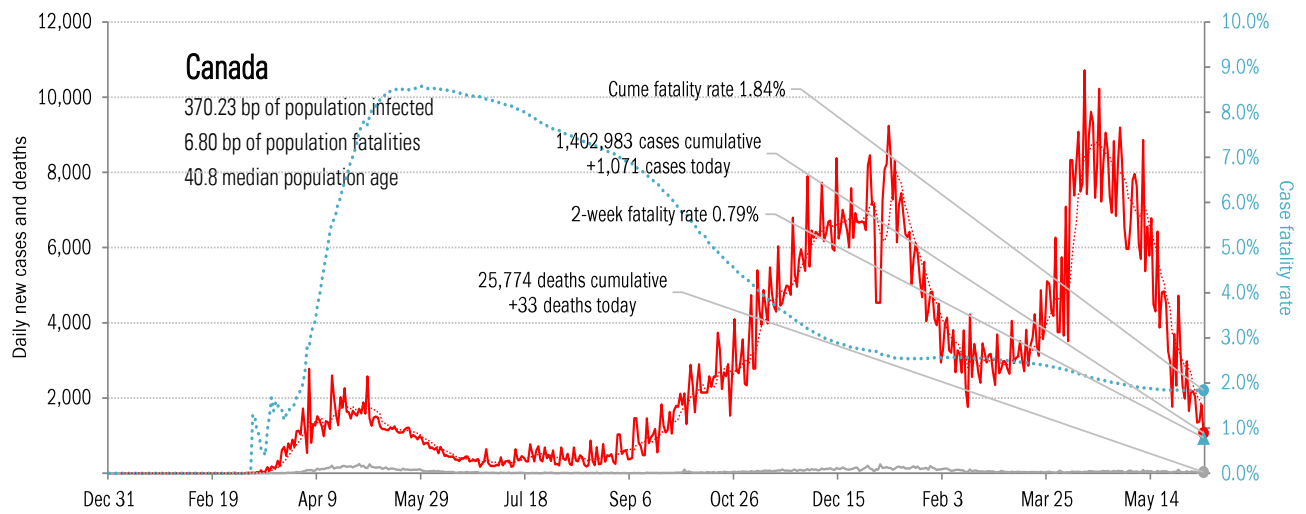
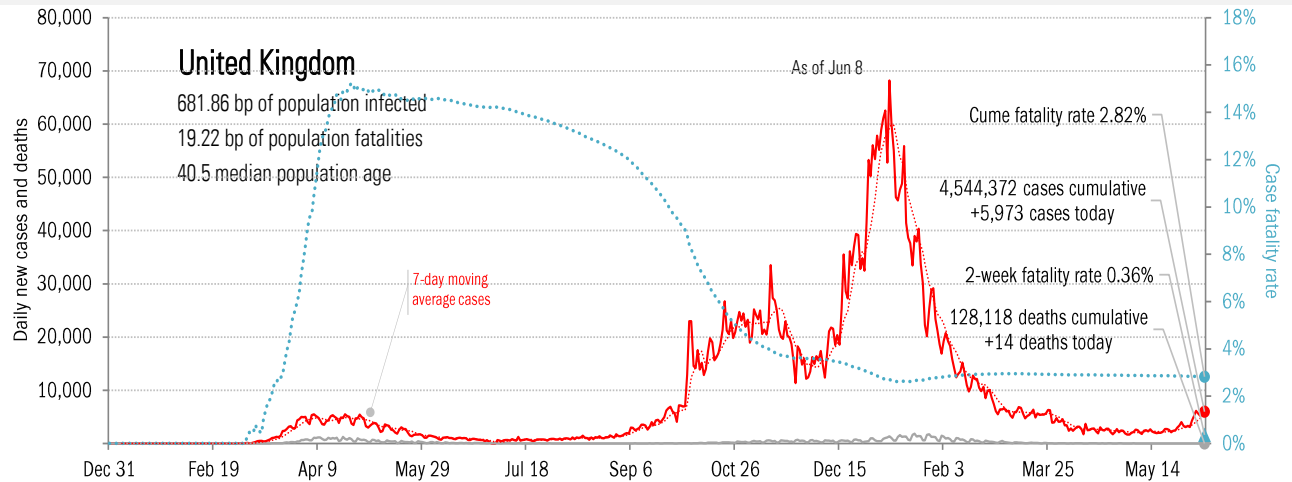
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



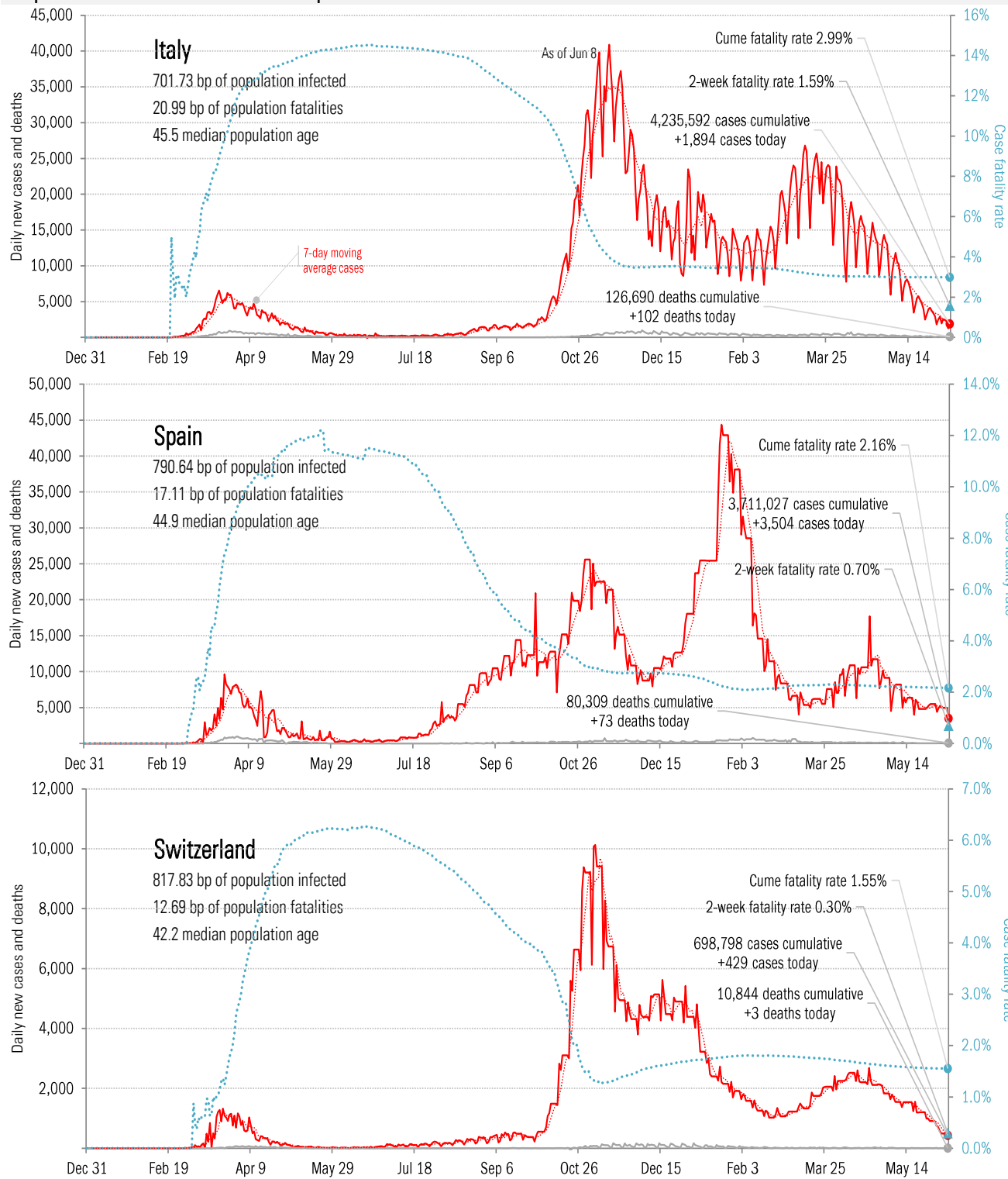
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



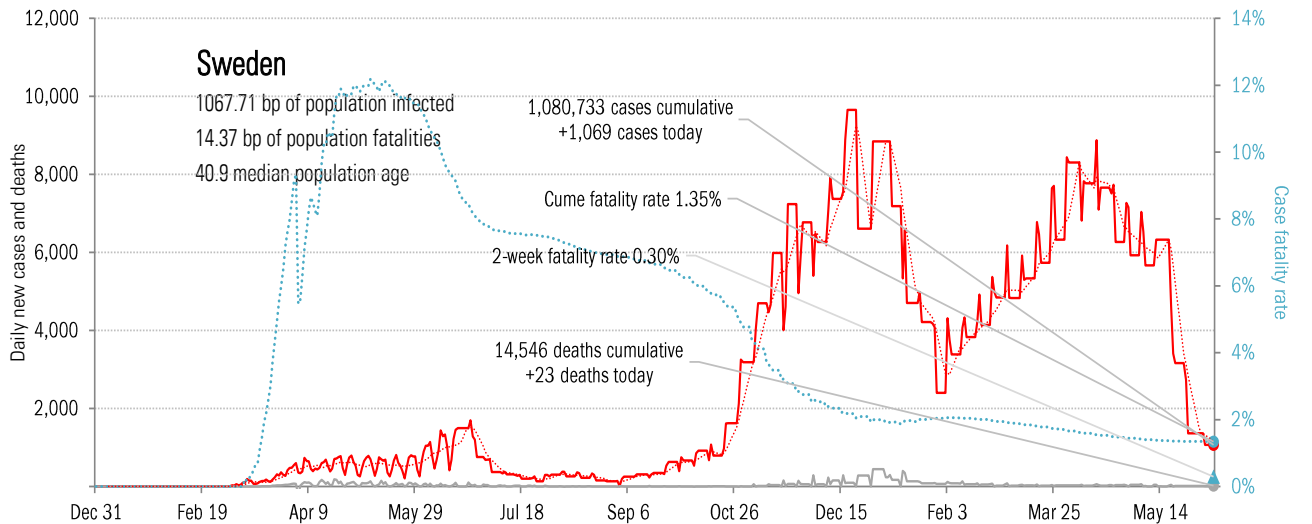
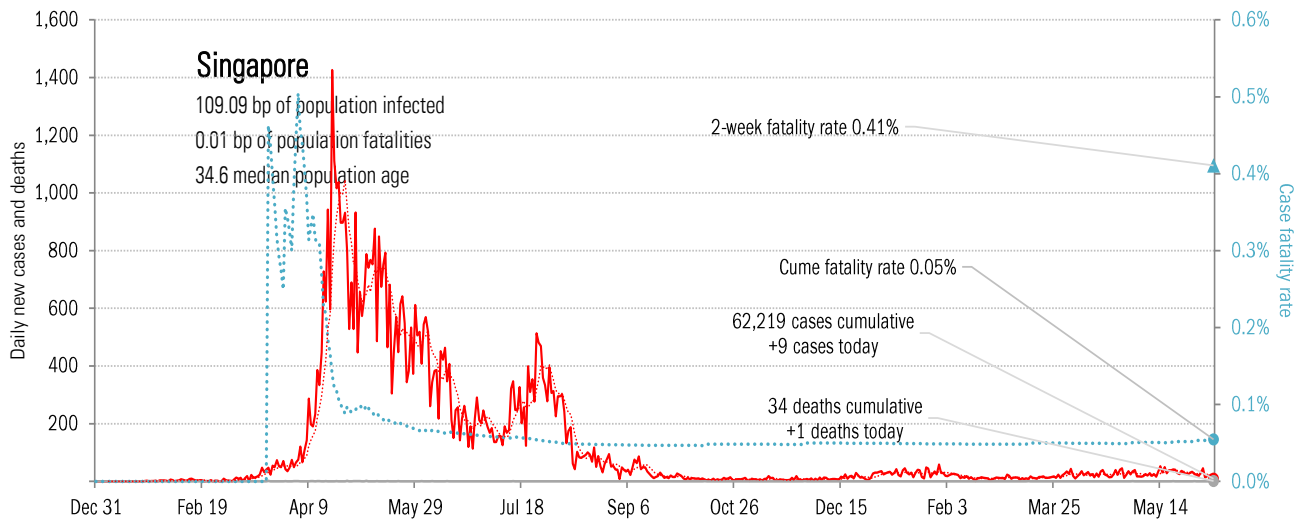
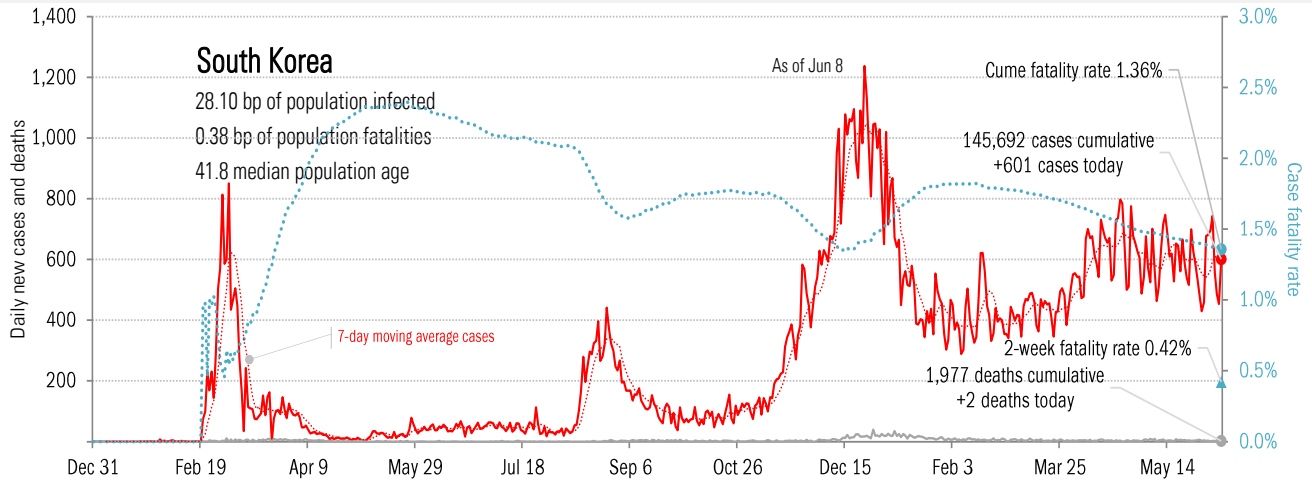
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



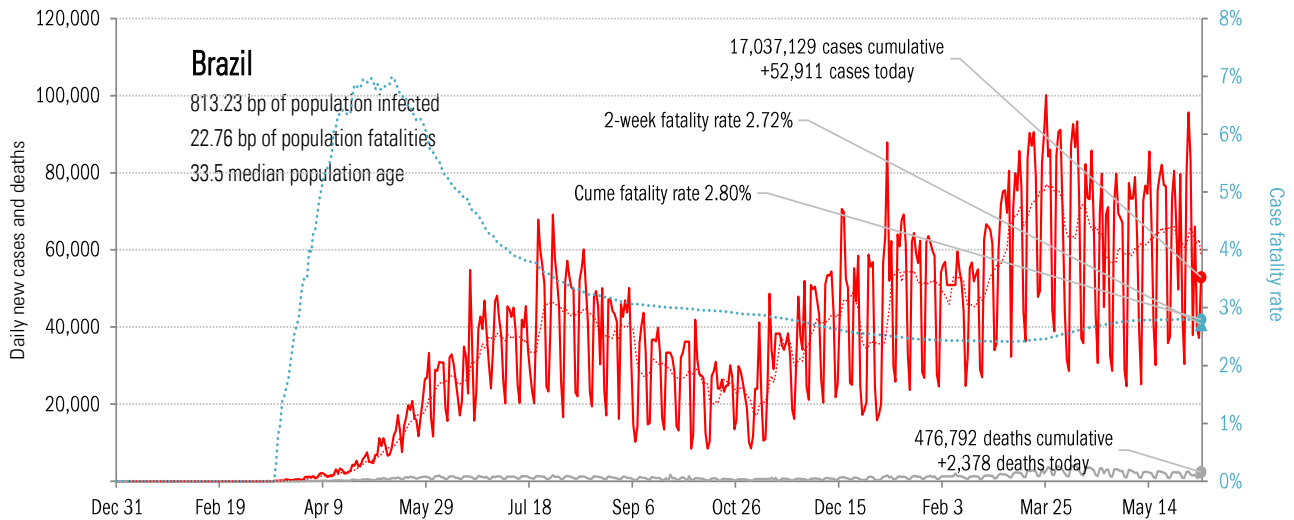
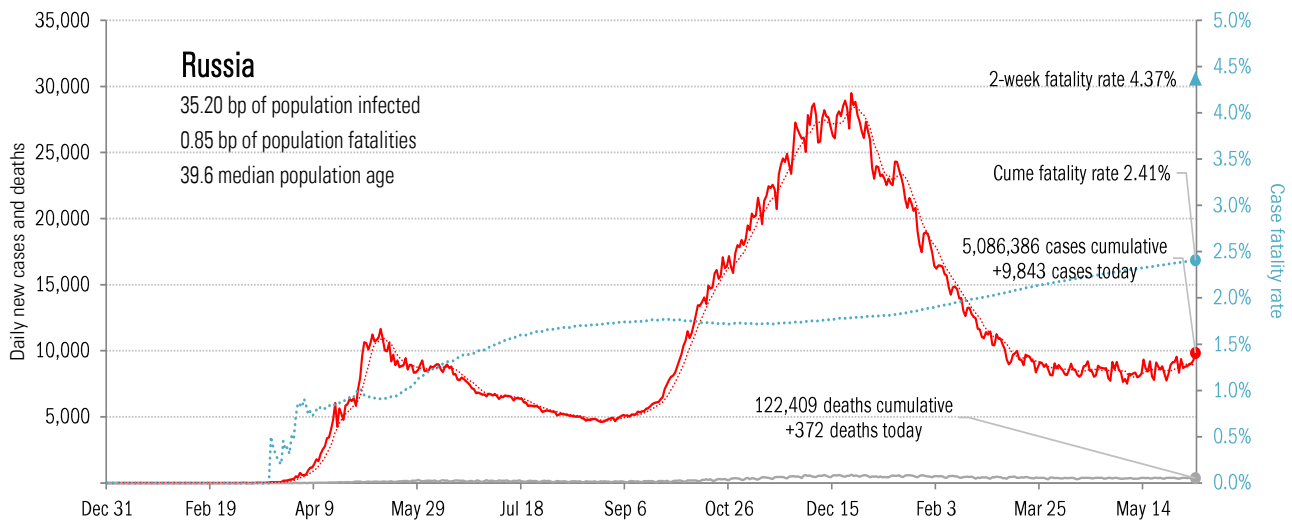
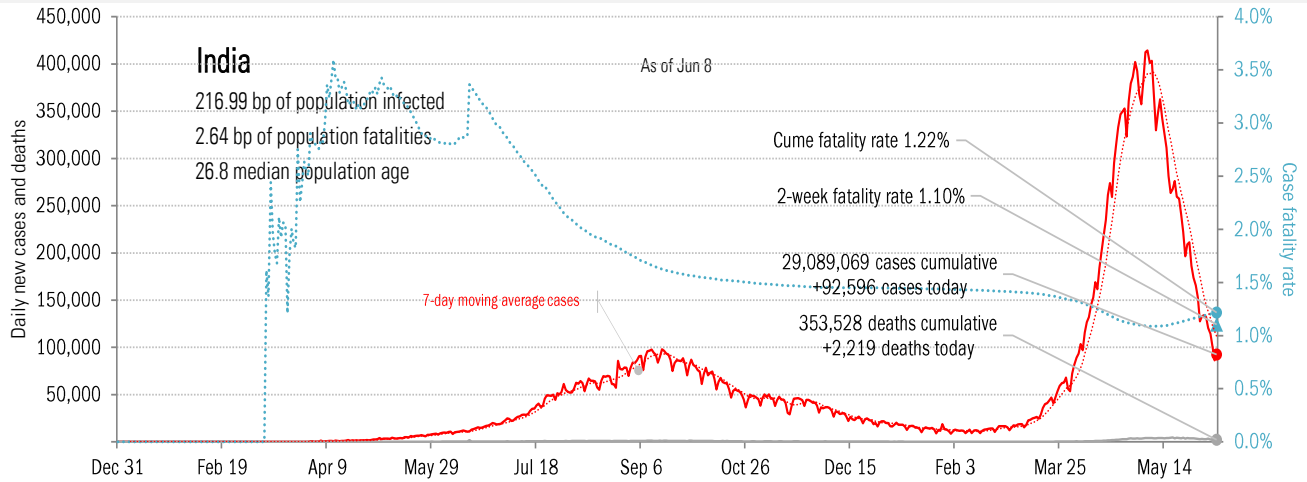
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



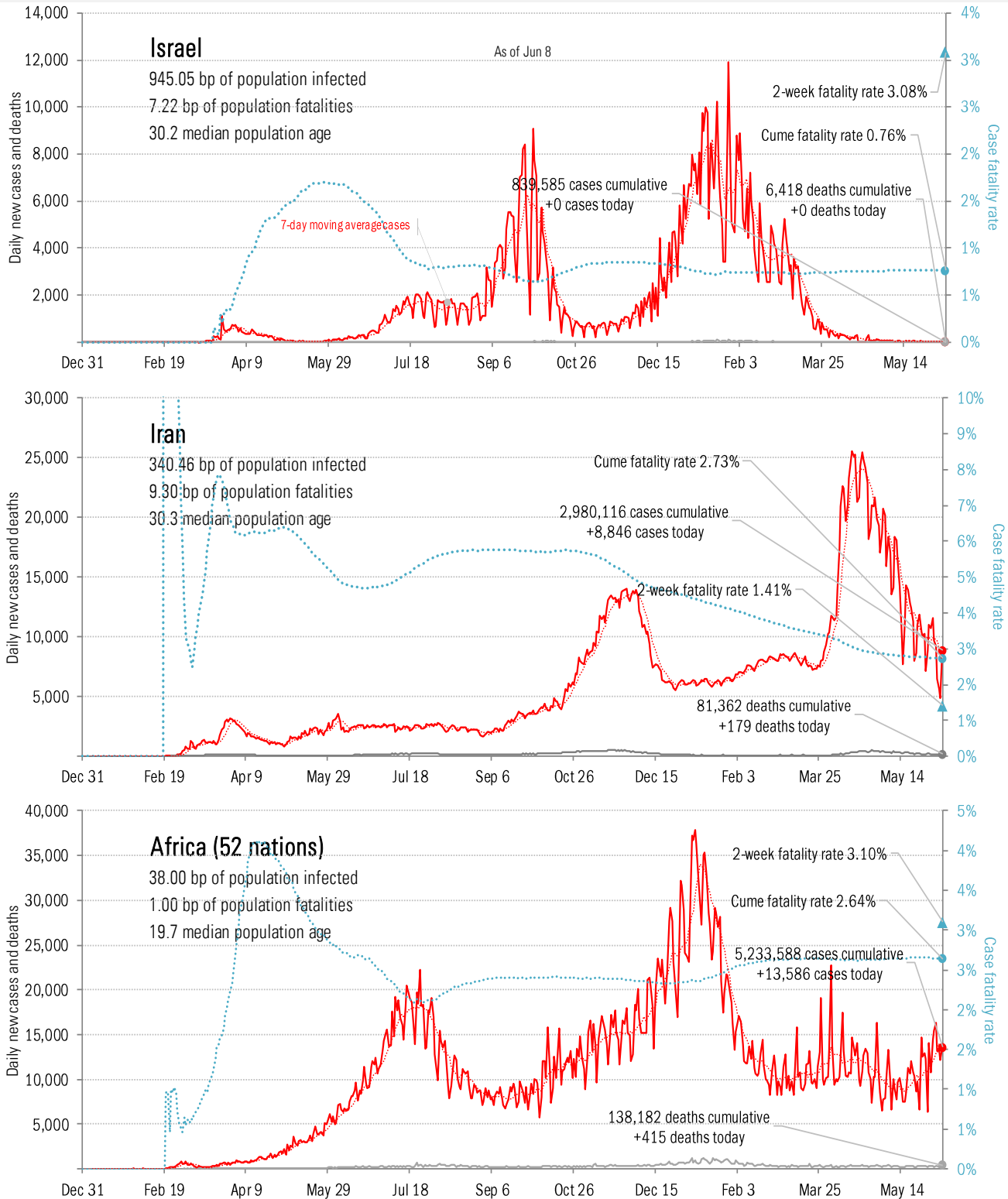
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



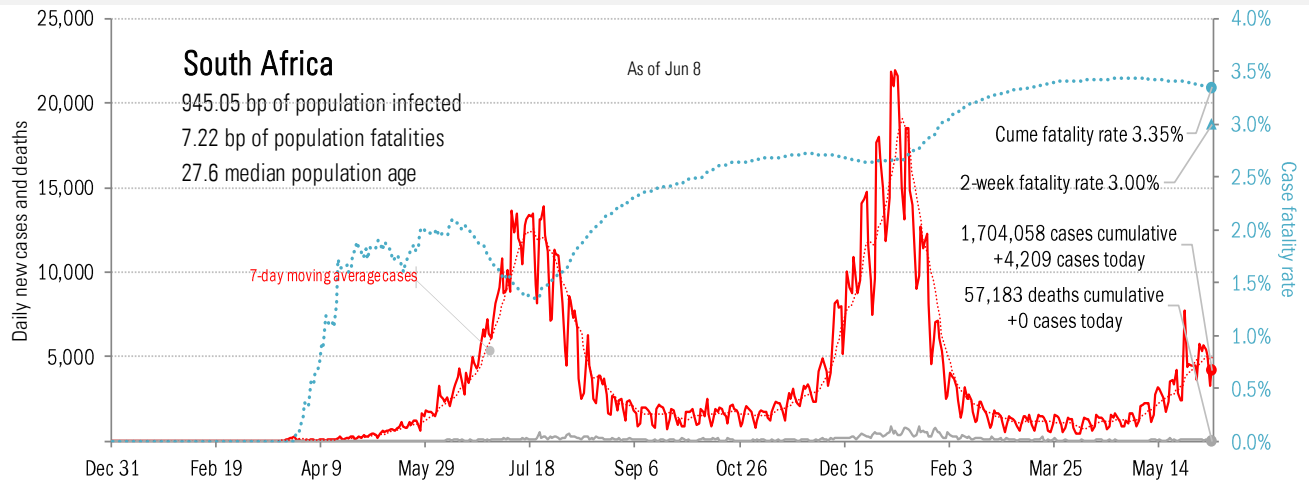
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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