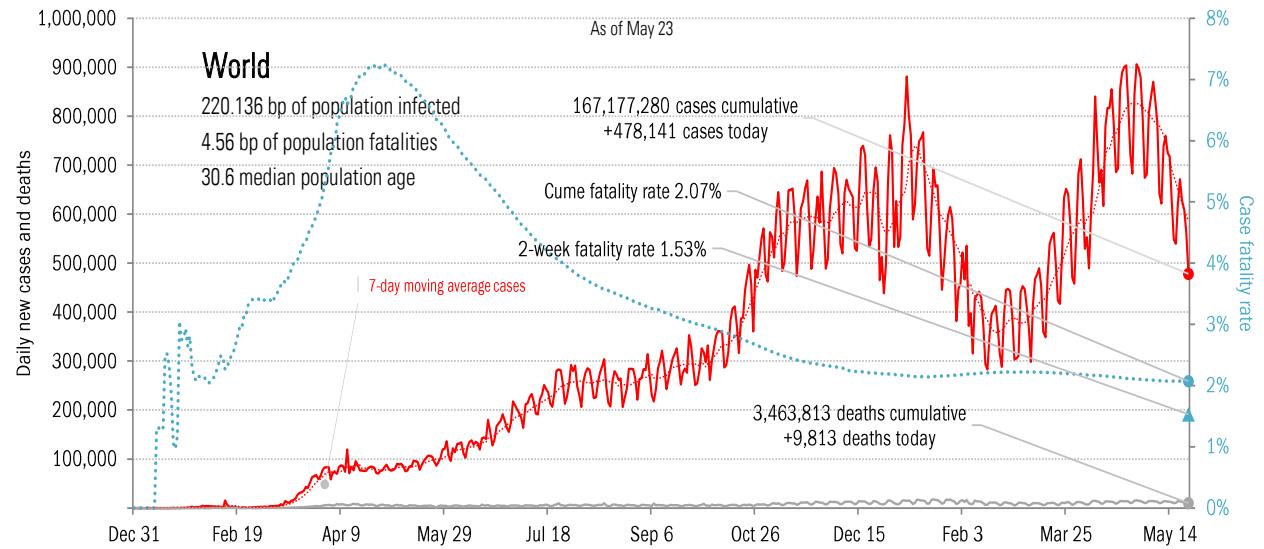
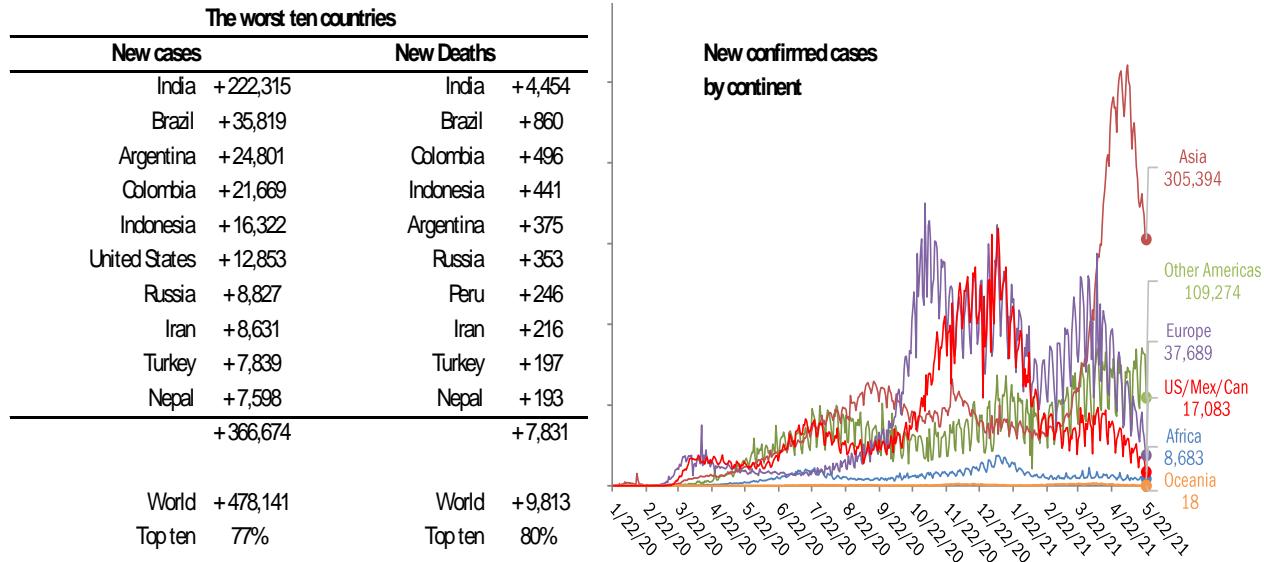


Data Insights: Covid-2019 Monitor

Monday, May 24, 2021

The global scorecard



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

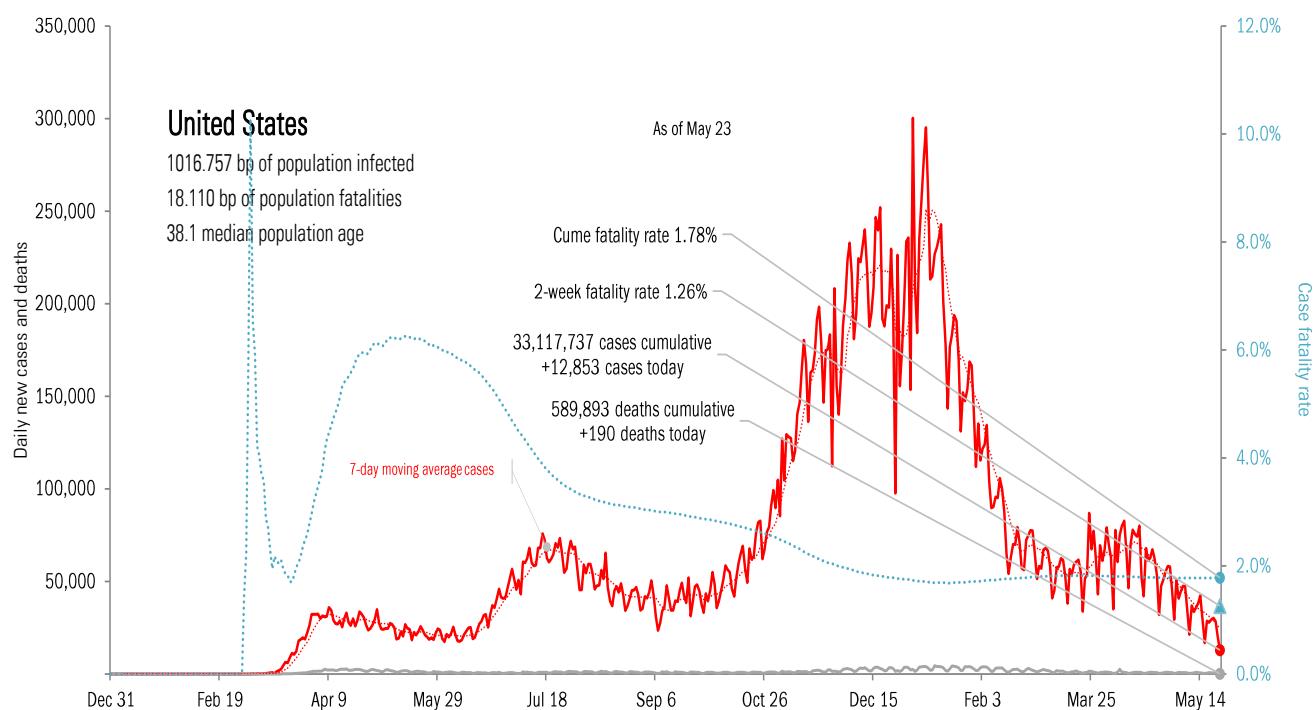
The ten worst US states

New cases	New Deaths	New in hospital	Cumulative cases	Cumulative deaths	Cumulative in hospital	Hospital use	ICU use
FL +2,069	IL +25	GA +72	CA 3,777,077	CA 62,933	TX 246,271	RI 92%	MI 19%
NY +1,074	CA +22	WA +23	TX 2,941,389	NY 53,131	CA 234,846	MA 83%	CO 18%
IL +941	NY +19	KS +21	FL 2,310,335	TX 51,225	FL 177,500	MO 81%	ME 14%
PA +799	MD +17	TX +17	NY 2,095,319	FL 36,474	NY 133,317	GA 81%	MN 13%
CA +731	TX +16	WV +10	IL 1,375,420	PA 26,987	GA 105,793	MD 80%	WV 13%
TX +710	FL +11	WY +10	PA 1,196,778	NJ 26,091	PA 88,844	CT 80%	MD 13%
CH +683	KY +11	NH +9	GA 1,119,979	IL 25,001	CH 84,875	PA 80%	MO 12%
IN +563	SC +10	NM +9	CH 1,097,300	GA 20,661	IL 79,802	MI 80%	NM 12%
MN +439	PA +9	MS +8	NJ 1,014,088	MI 20,140	KY 74,543	DC 78%	ID 12%
CO +432	VA +9	DC +6	NC 995,754	CH 19,709	MI 70,750	MN 78%	GA 12%
+8,441	+149	+185	17,923,439	342,352	1,296,541		
All states +12,853	+190	-219	All states 33,117,737	589,893	2,323,393	All states 70%	67%
Top ten 66%	78%	-84%	Top ten 54%	58%	56%	Median 72%	8%

Some states not reporting

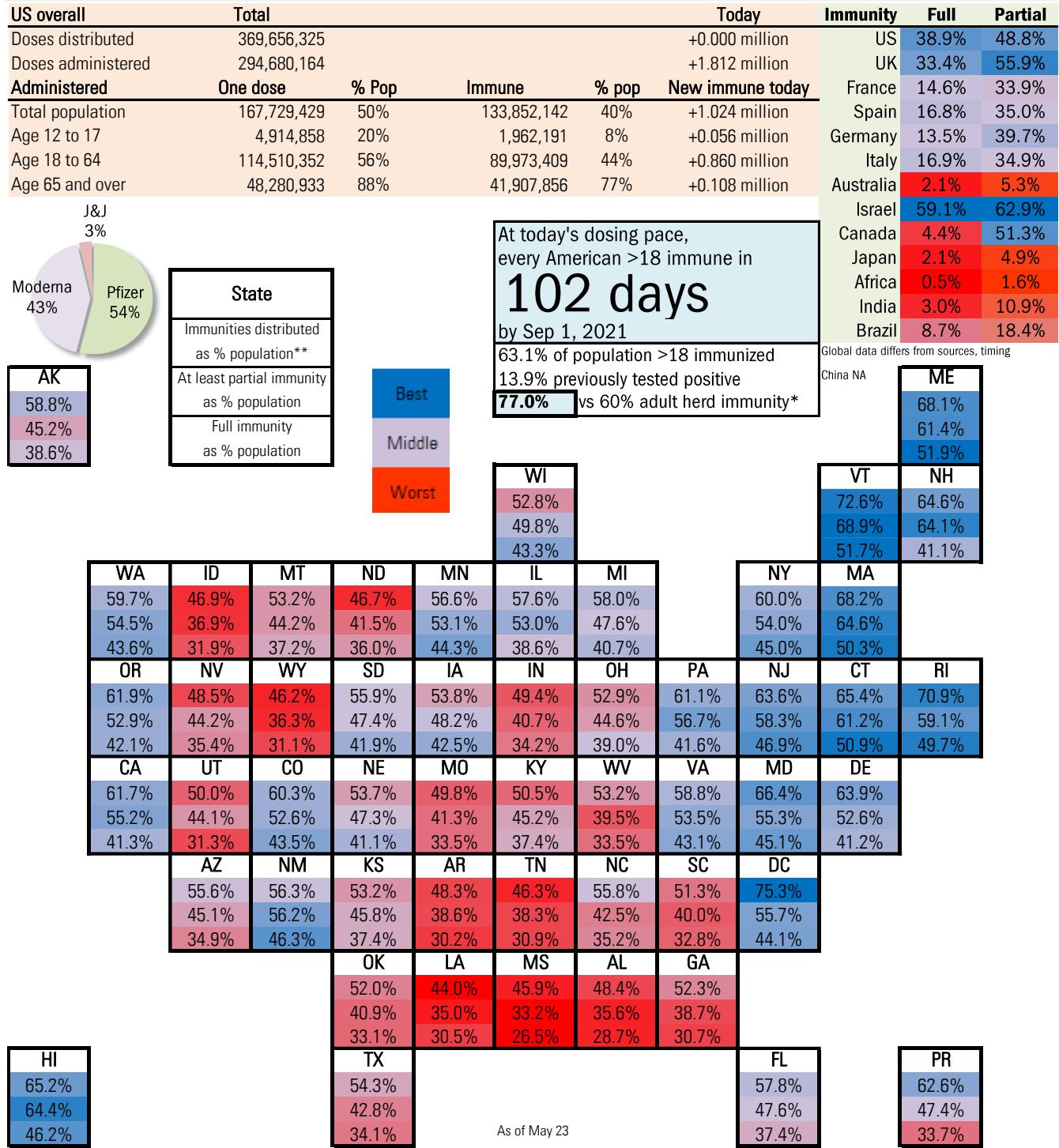
Five most improved US states

Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
FL -1,337	MI -89	FL -72	VT +87 bp
MI -1,206	AL -32	KY -49	DC +61 bp
PA -437	CA -27	NC -39	WA +58 bp
CO -409	PA -27	AZ -34	OR +57 bp
AZ -324	GA -24	NY -25	NM +56 bp



Source: [Johns Hopkins](#), Dept. of Health and Human Services, [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world



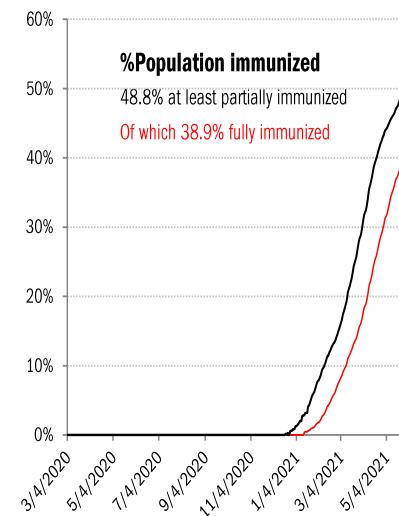
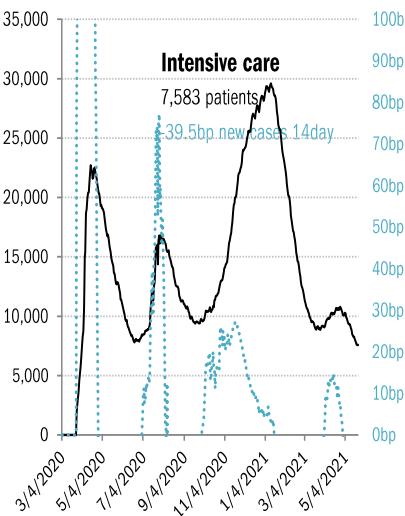
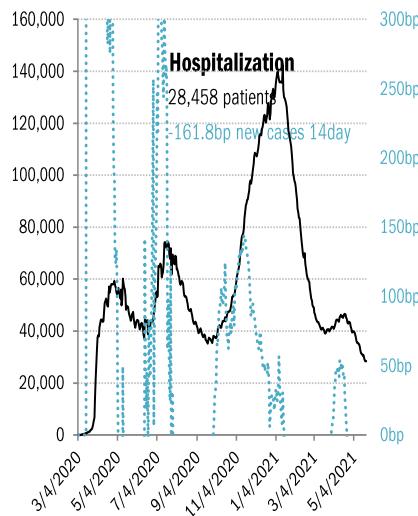
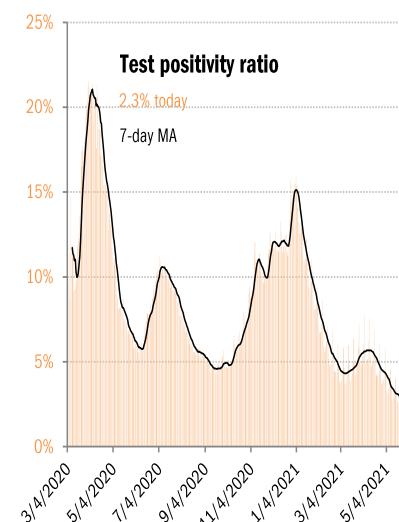
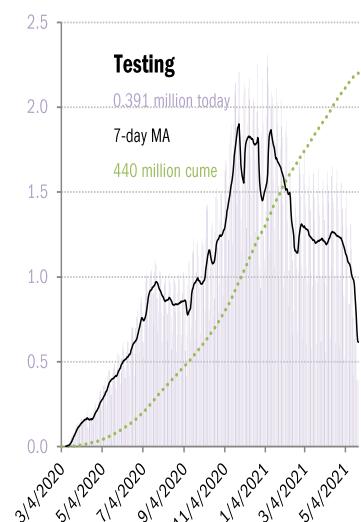
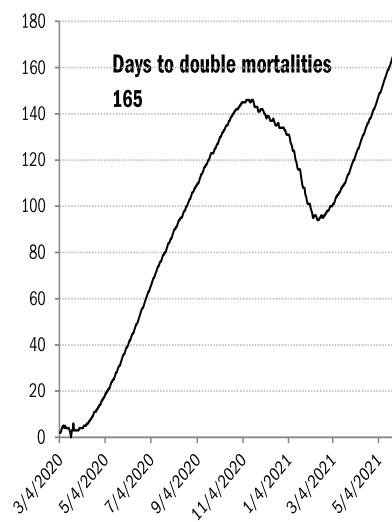
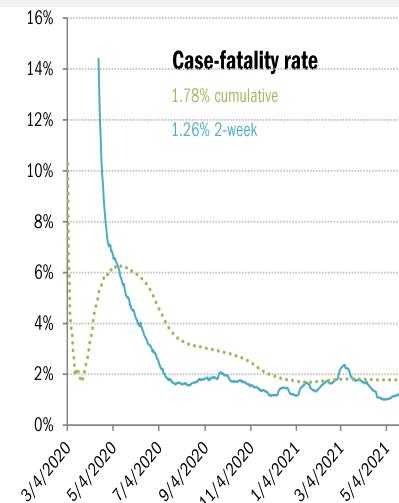
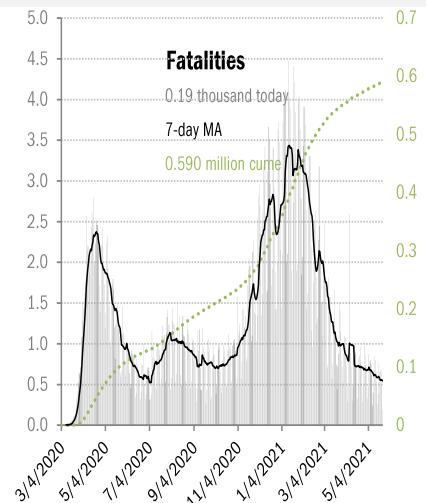
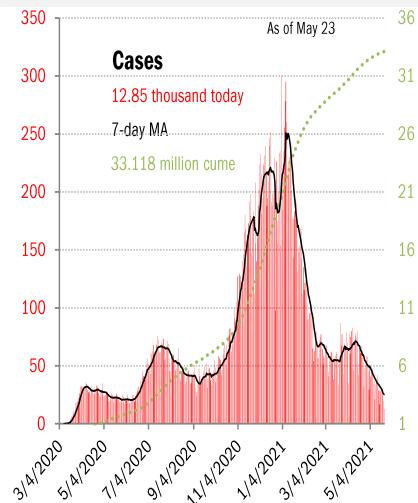
* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

** 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

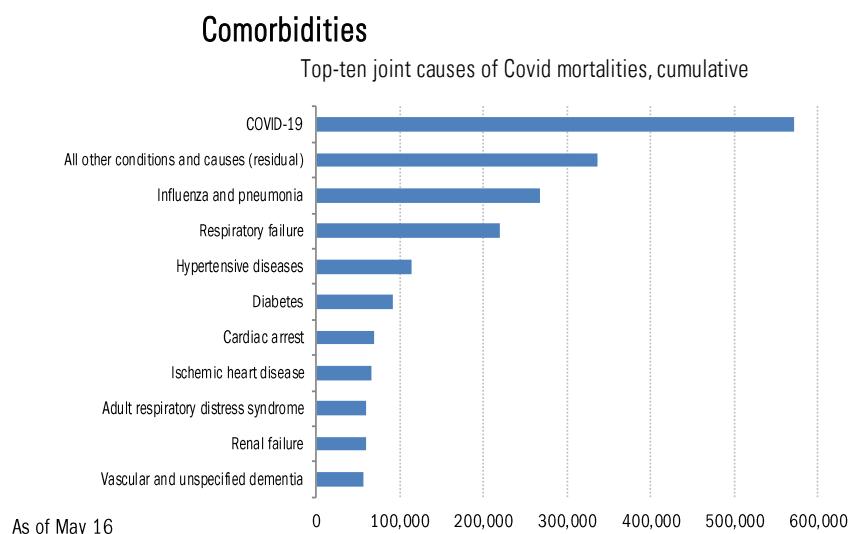
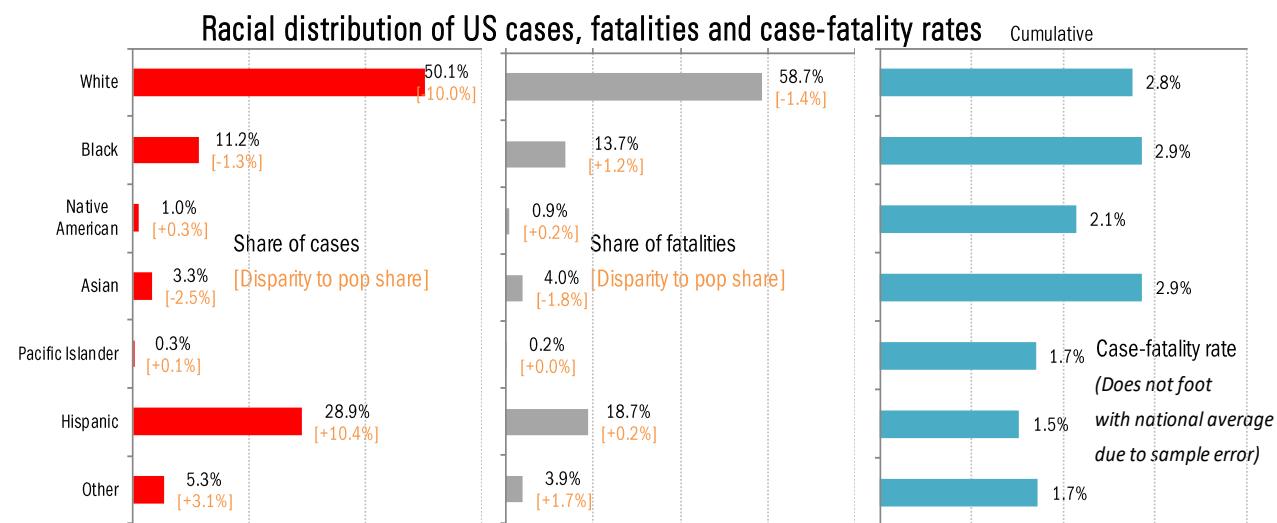
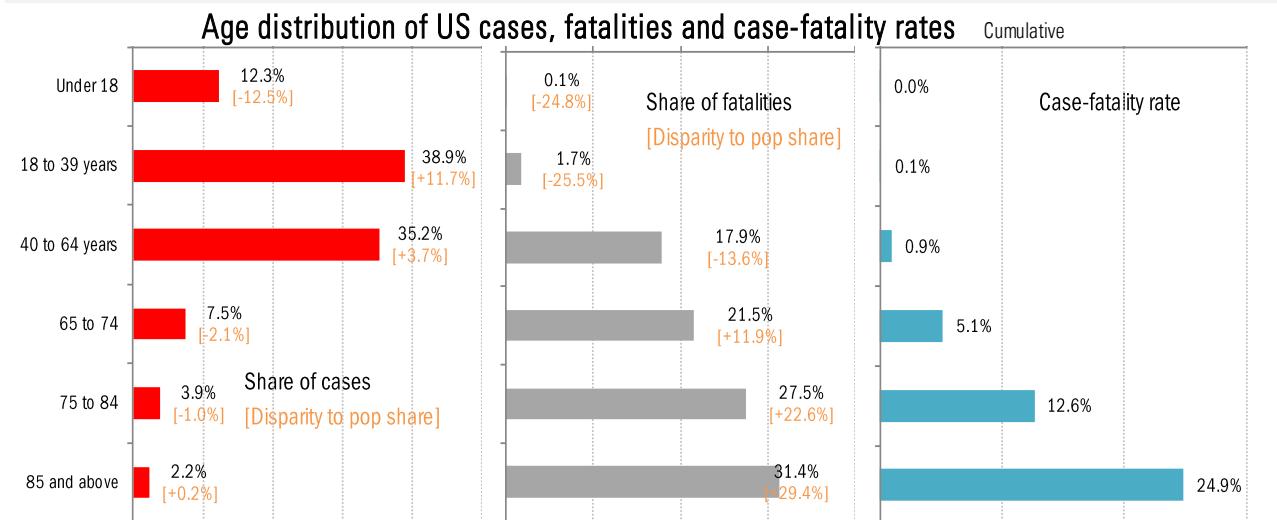
National and state-by-state data do not line up because of different sources



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

US deep-dive on the demographics of age, race and health

Updates weekly on Sundays



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

[Intelligence on Sick Staff at Wuhan Lab Fuels Debate on Covid-19 Origin](#)

Michael R. Gordon, Warren P. Strobel and Drew Hinshaw
Wall Street Journal
March 23, 2021

[Fauci 'not convinced' COVID-19 developed naturally](#)

Morgan Phillips
Fox News
May 23, 2021

[Rand Paul Declares He Has 'Natural Immunity' And Won't Get Covid-19 Vaccine](#)

Jemima McEvoy
Forbes
May 23, 2021

[Britons Shun Boris Johnson's Call to Take 2 Covid Tests Per Week](#)

Emily Ashton
Bloomberg
May 23, 2021

[U.K. Denies Claims by Cummings It Pursued Covid Herd Immunity](#)

David Goodman
Bloomberg
May 23, 2021

Meme of the day

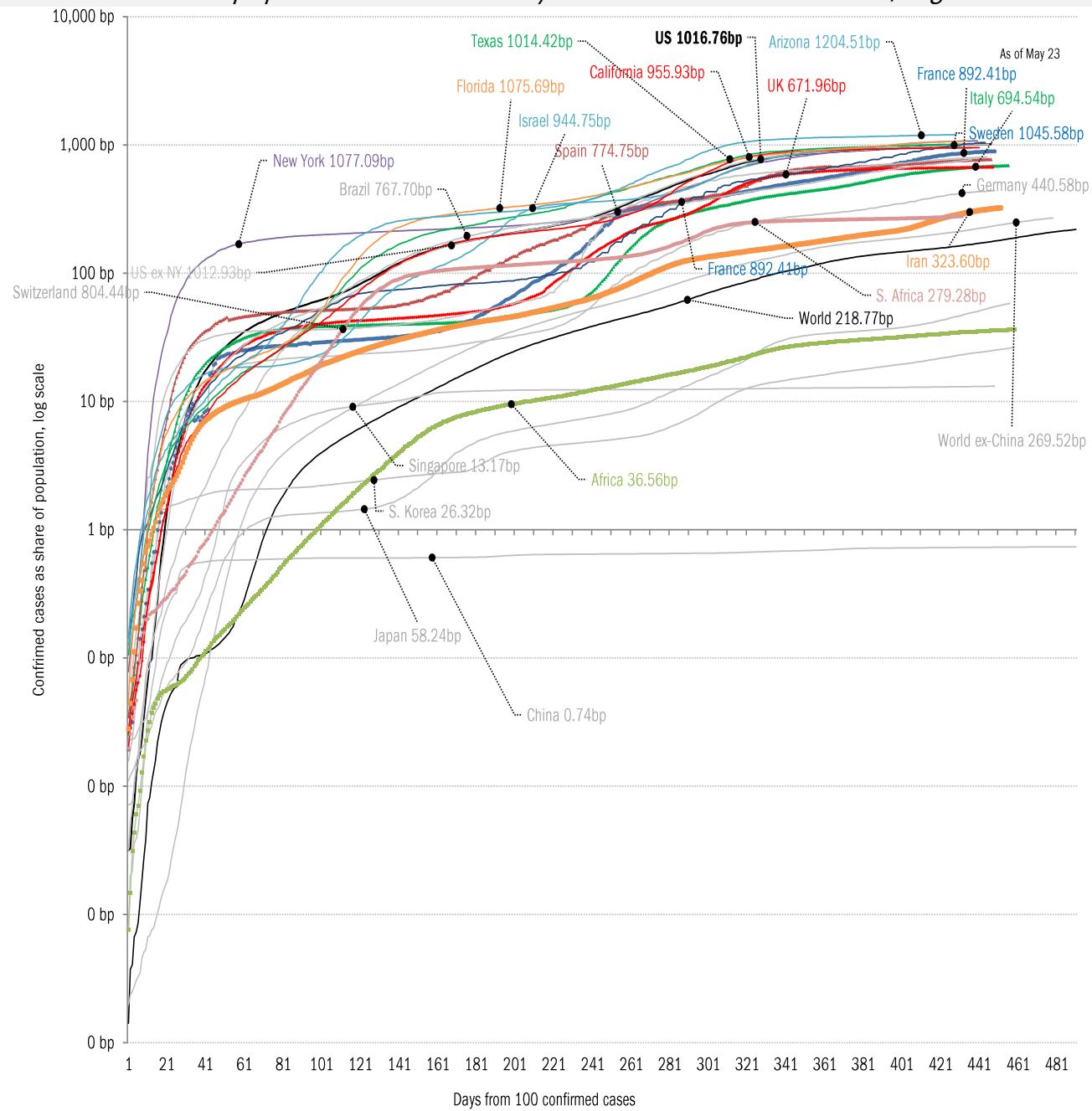
The shortage of workers is hitting everywhere



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

The coronavirus case accelerometer... tracking the world's infection curves

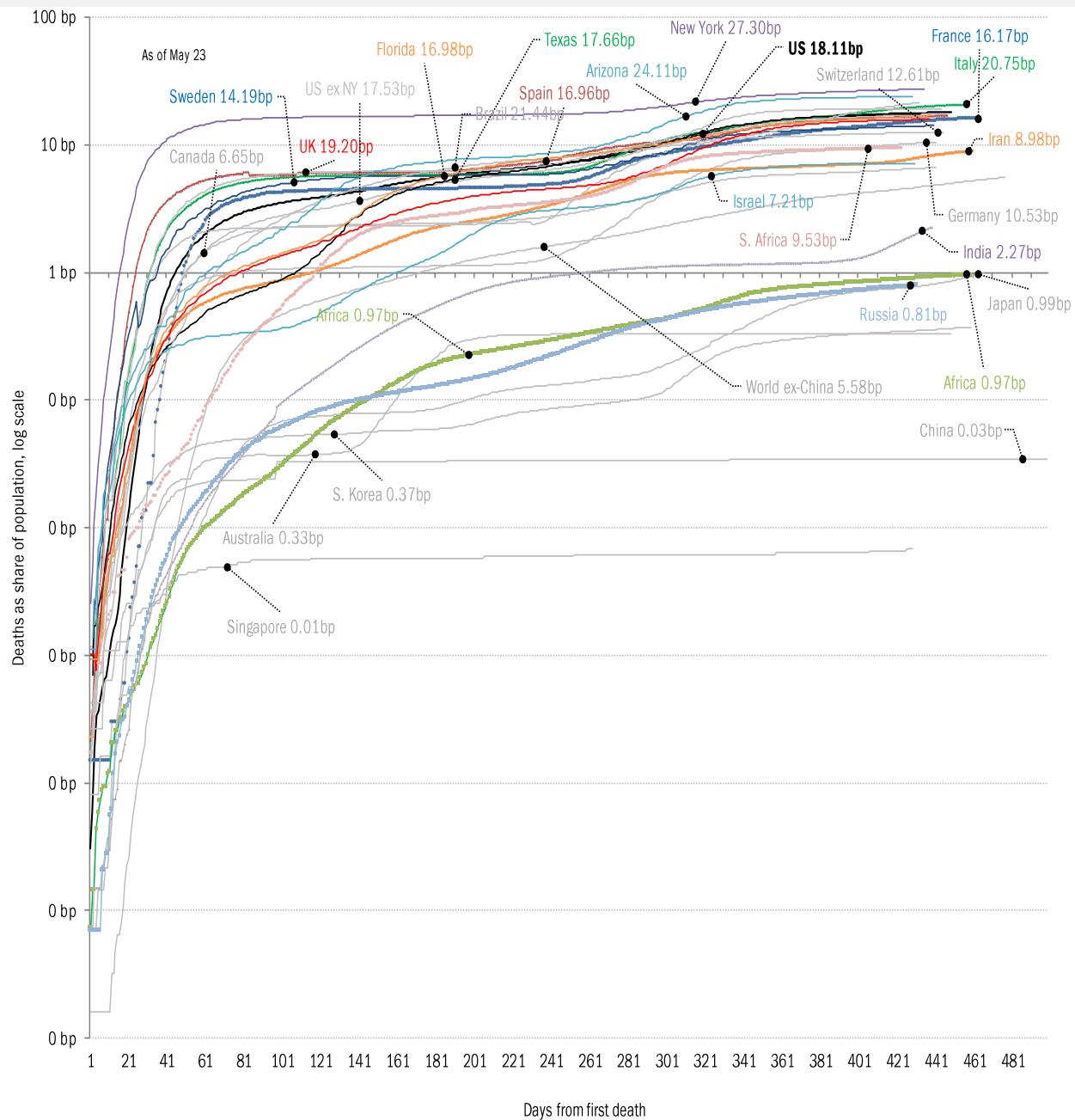
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

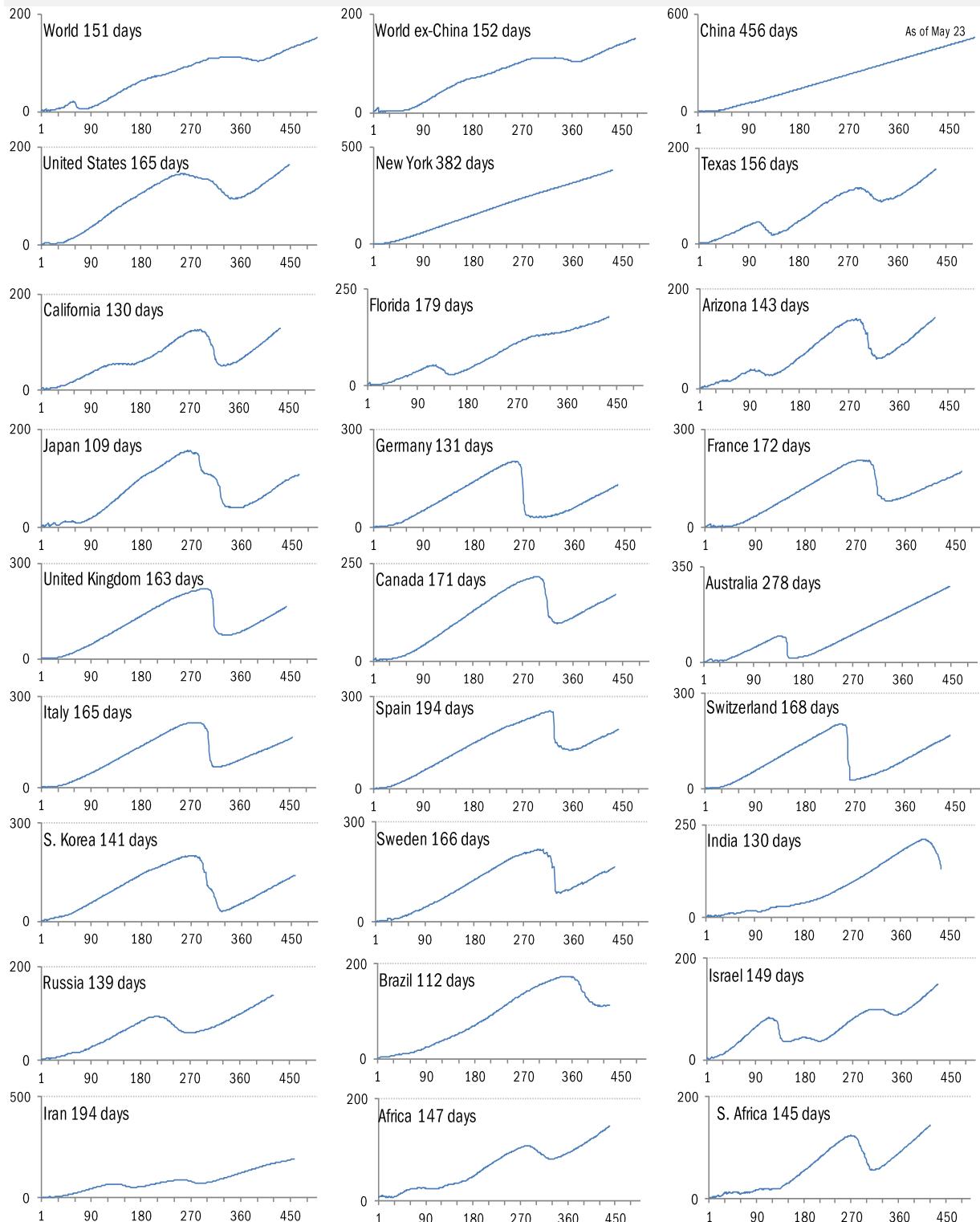


Source: [Johns Hopkins](#), TrendMacro calculations

"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

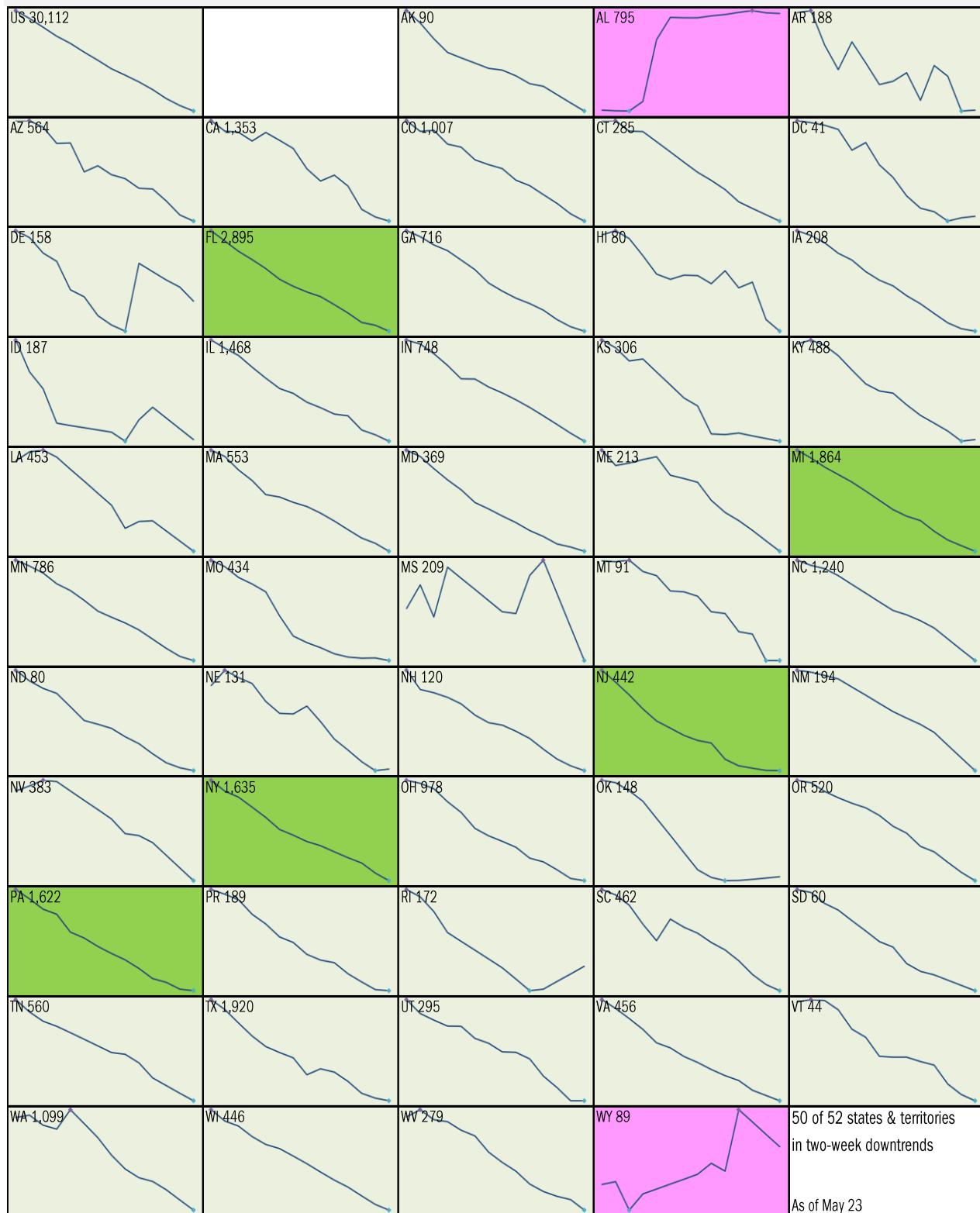


Source: [Johns Hopkins](#), TrendMacro calculations

Requirement to [Open Up America Again](#): 14-day “downward trajectory” in new cases

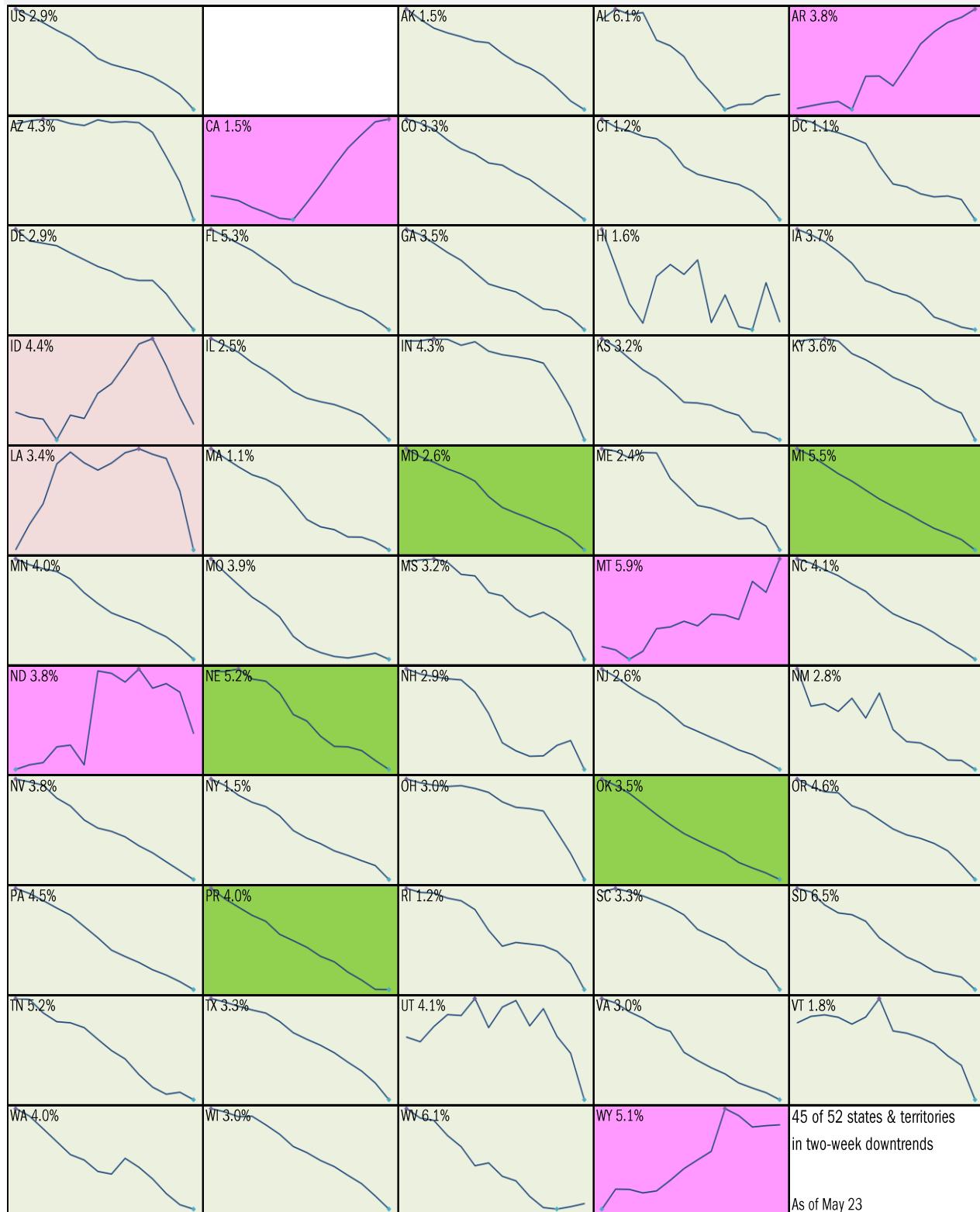
14-day moving average, last 14 days Most recent value displayed • High ● Low

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



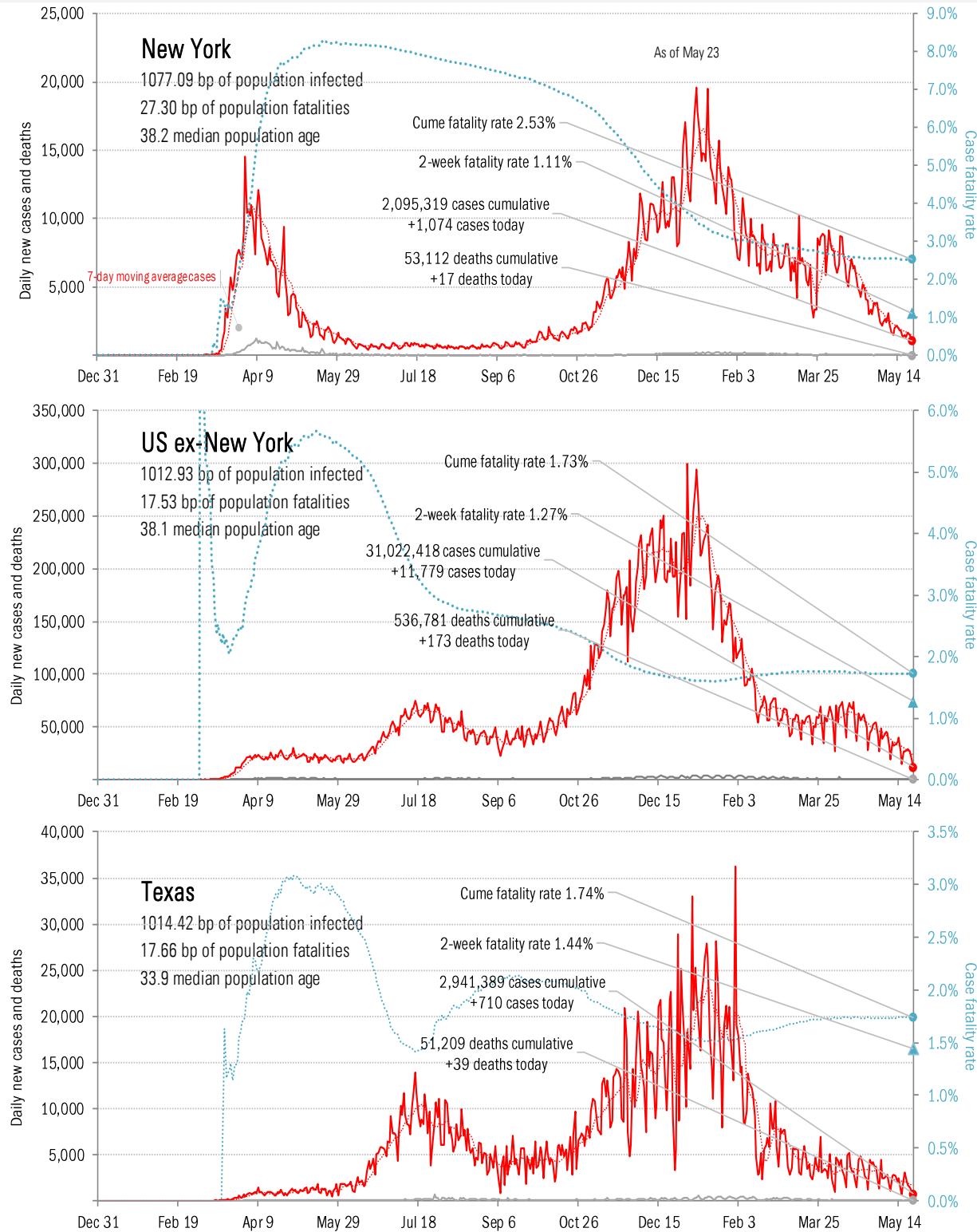
Source: [Johns Hopkins](#), TrendMacro calculations

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



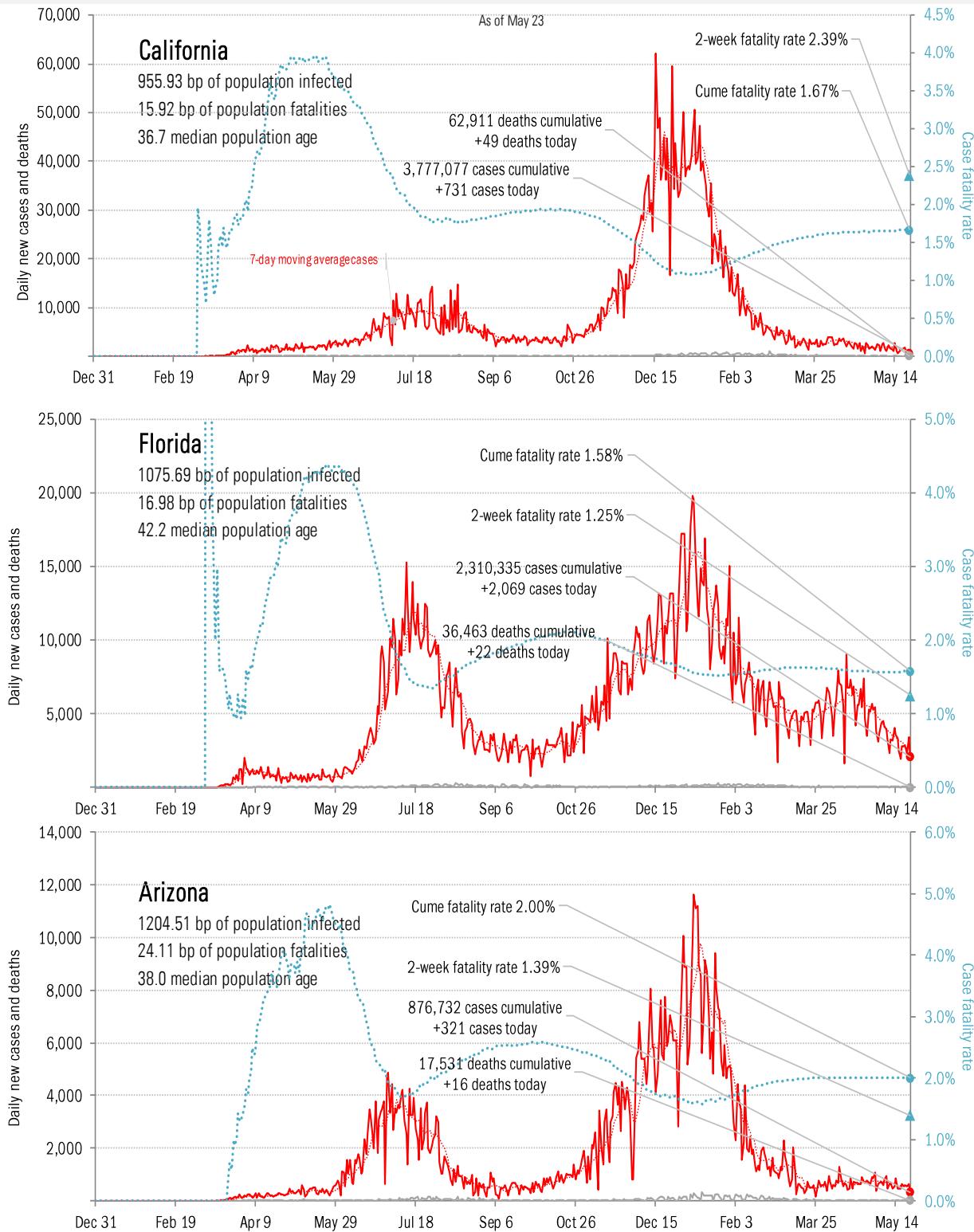
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



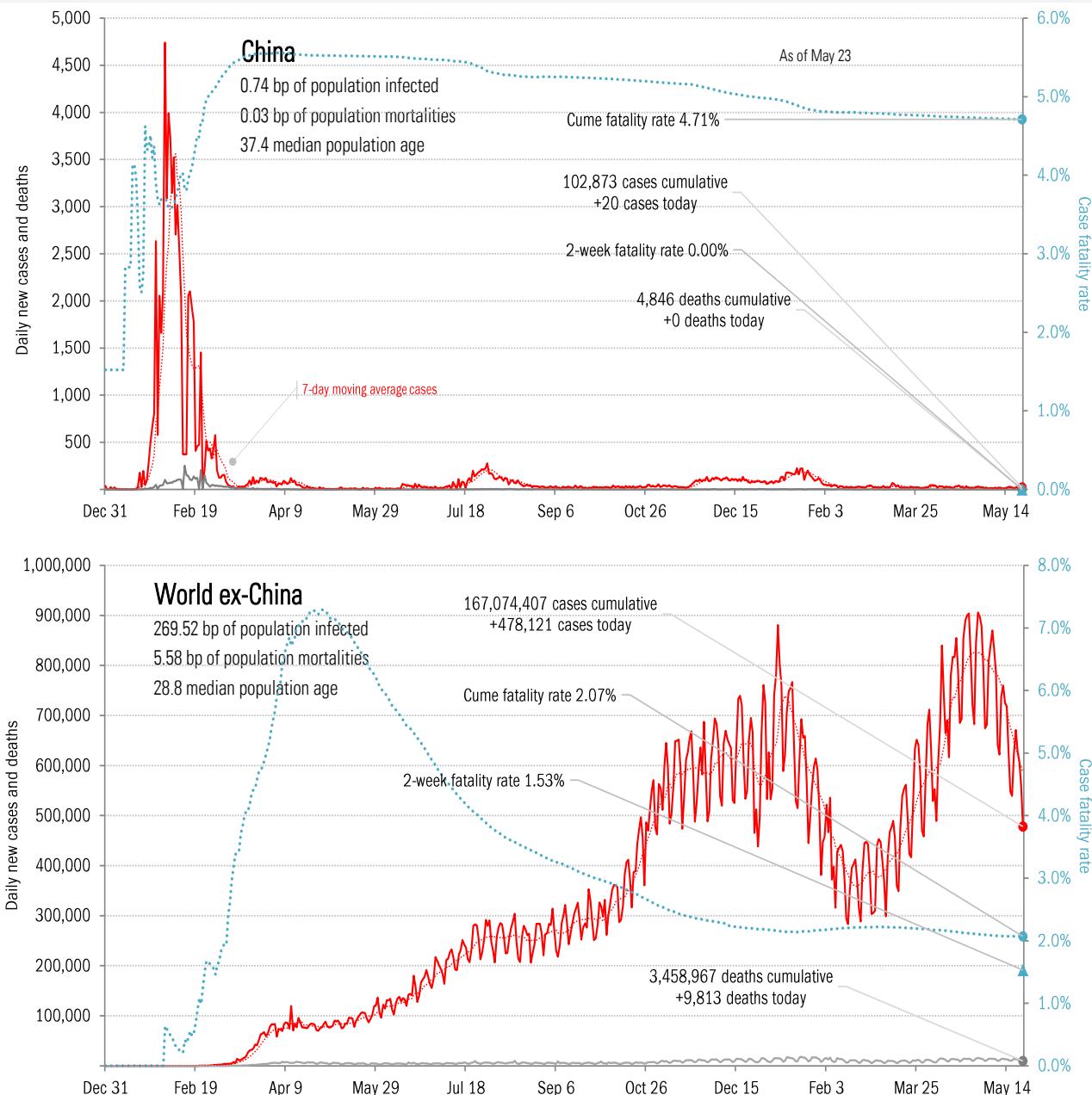
Source: [Johns Hopkins](#), TrendMacro calculations

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

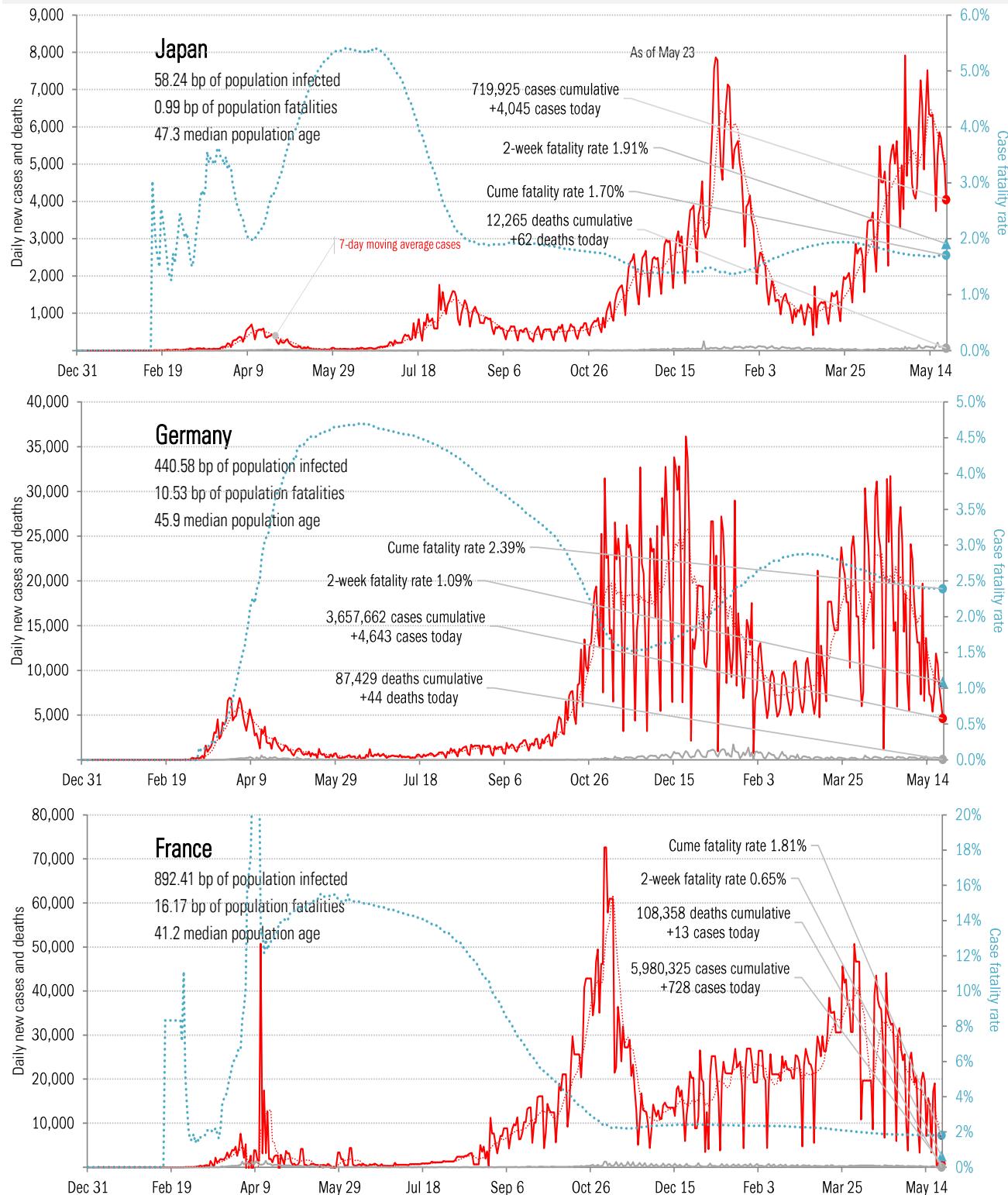


Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else

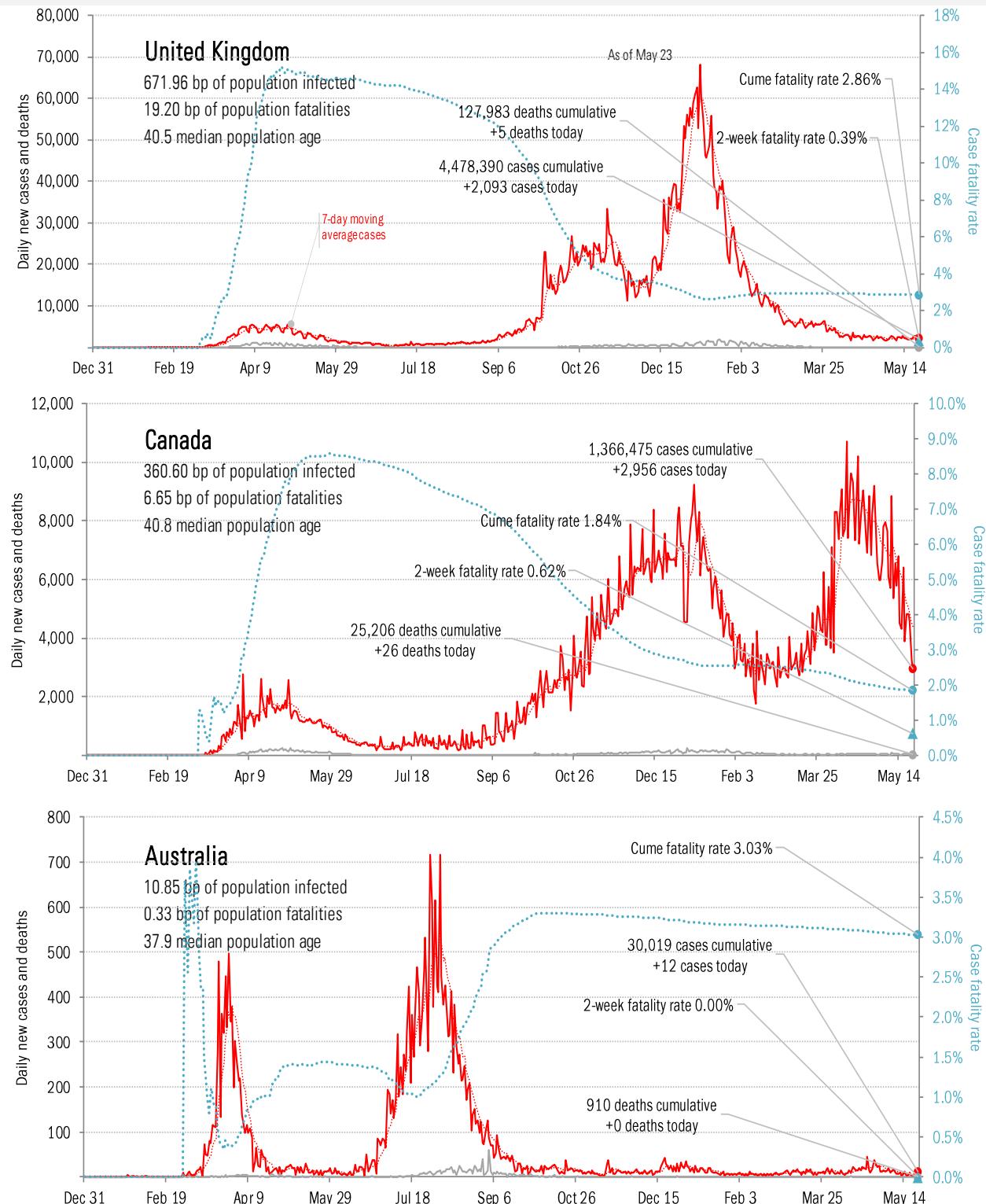


Impact in the largest economies



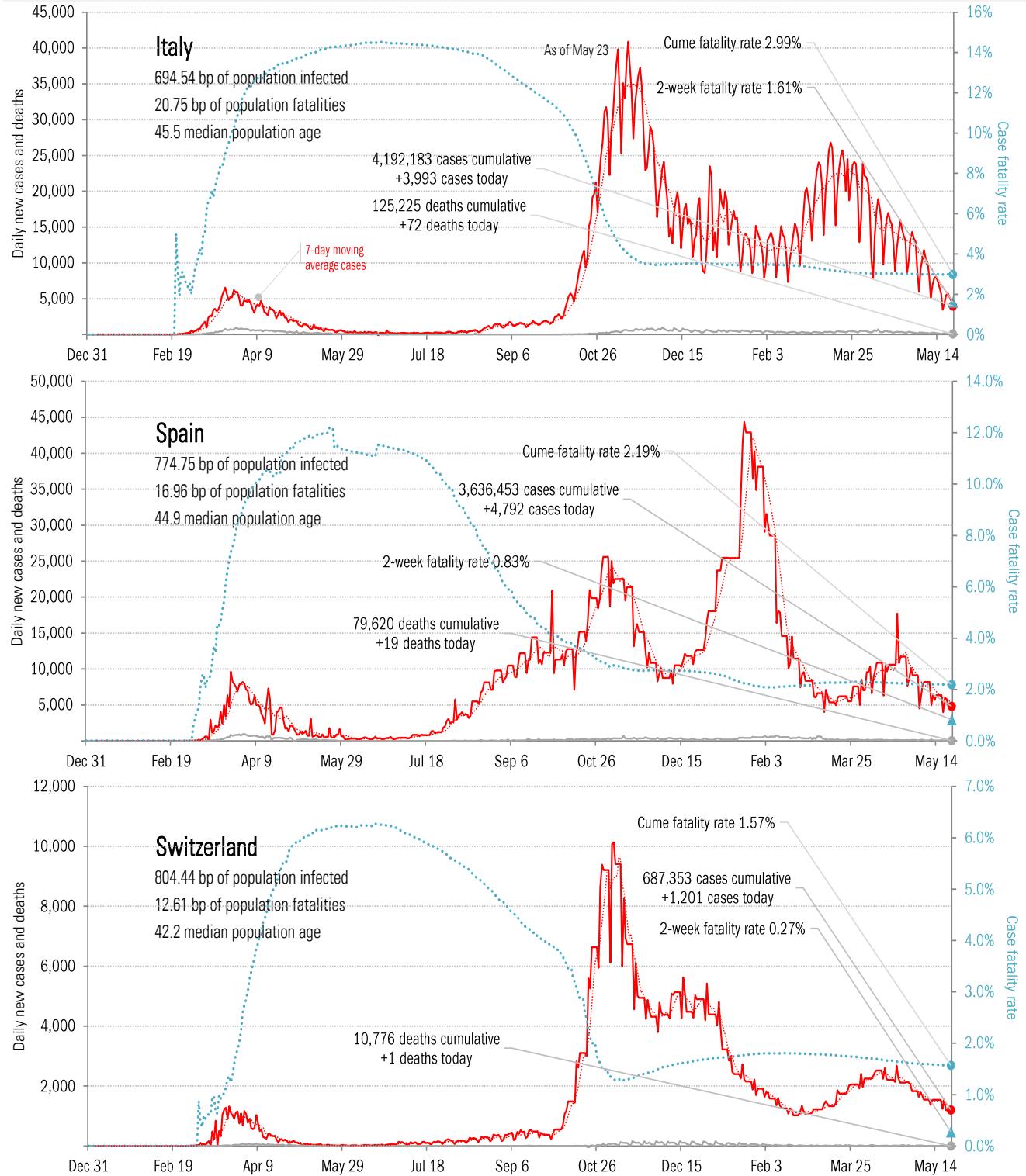
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



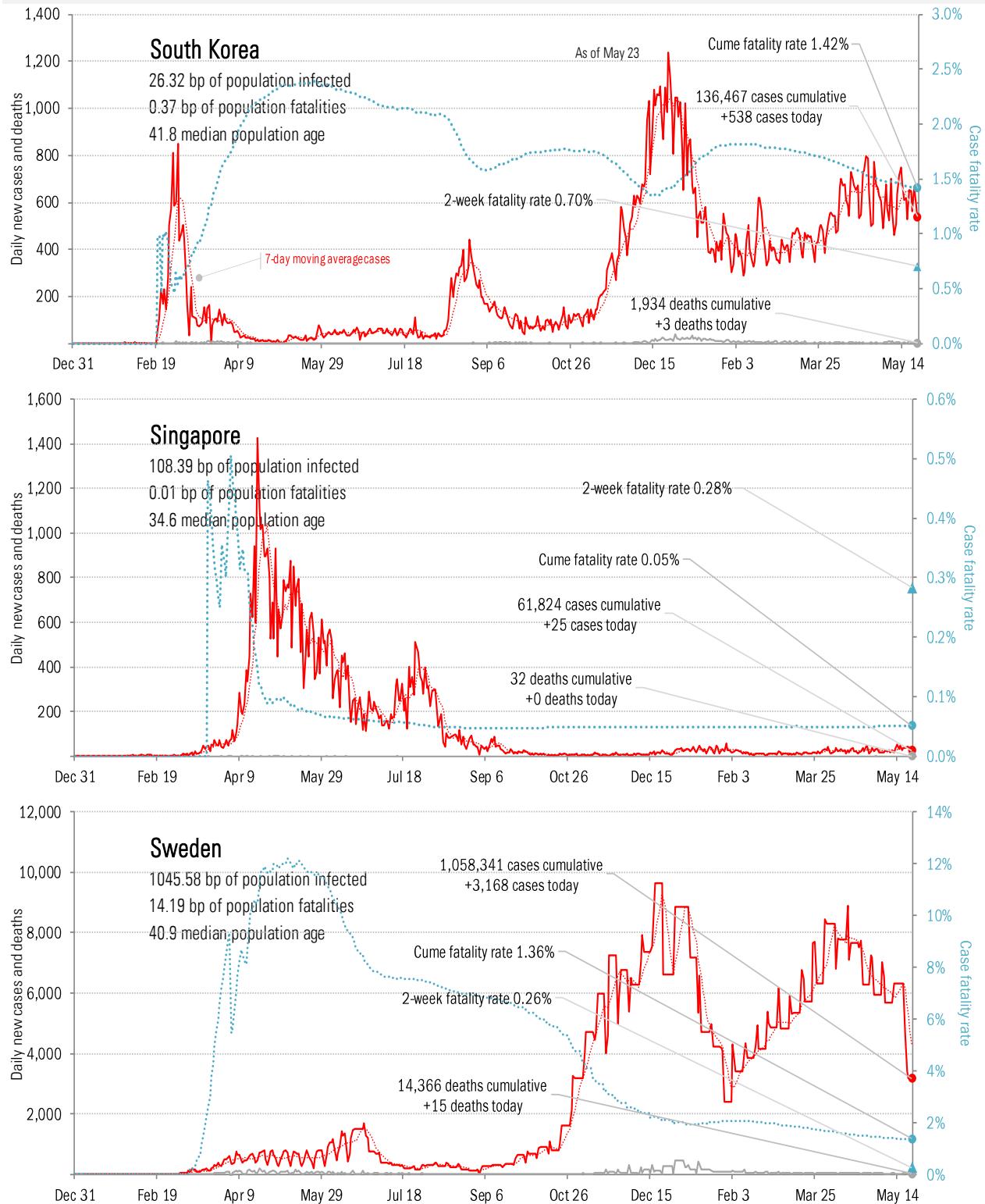
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



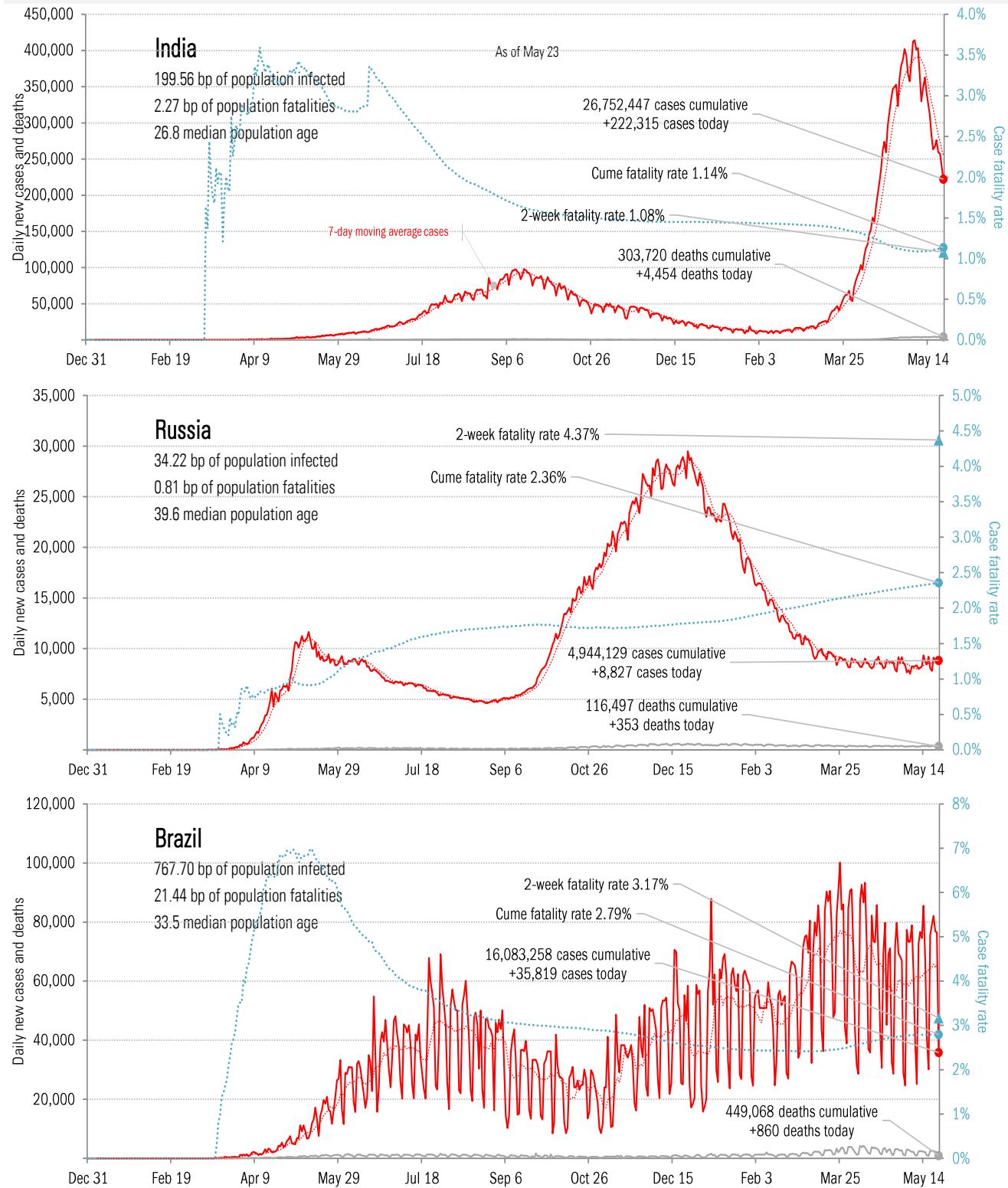
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



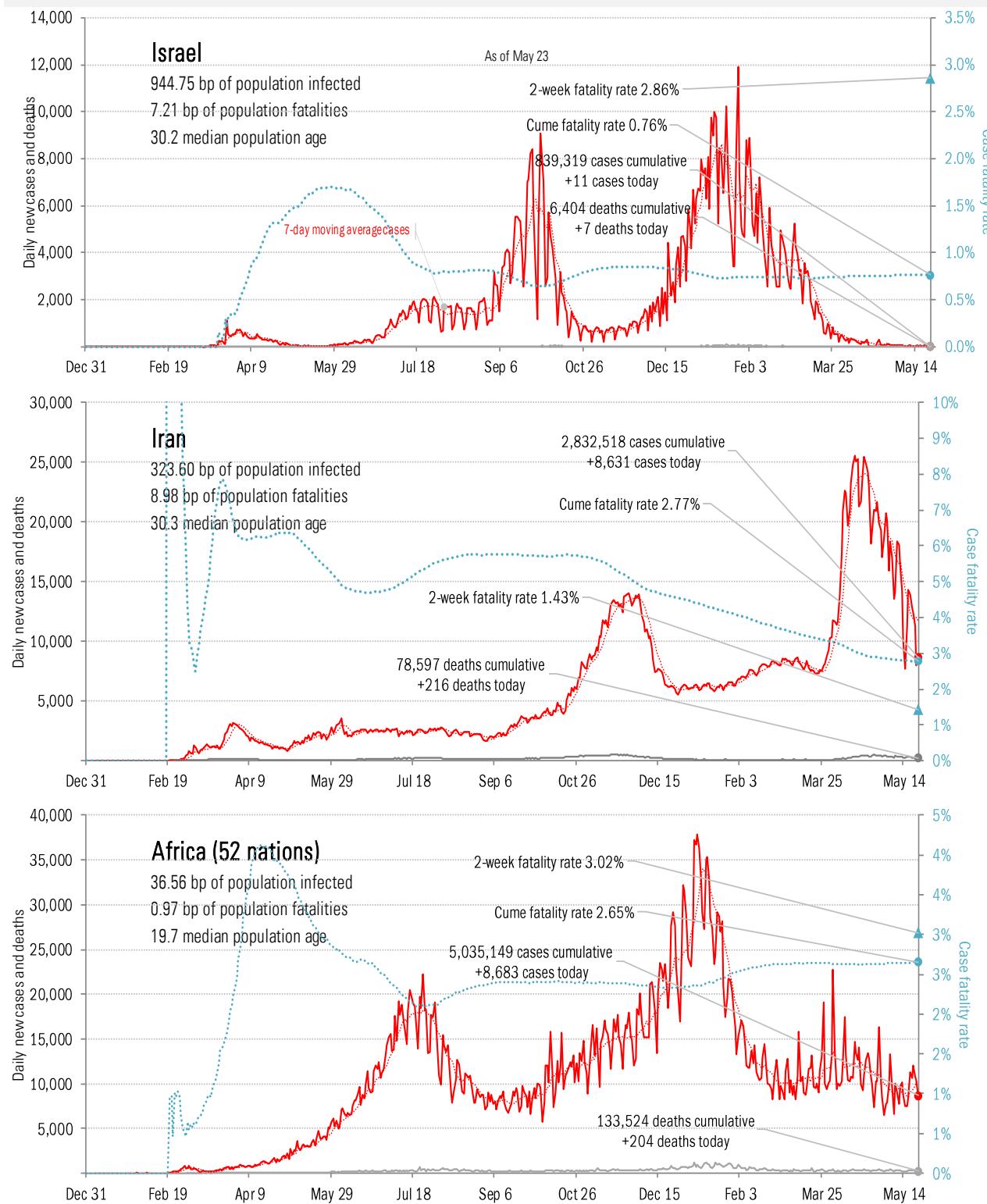
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



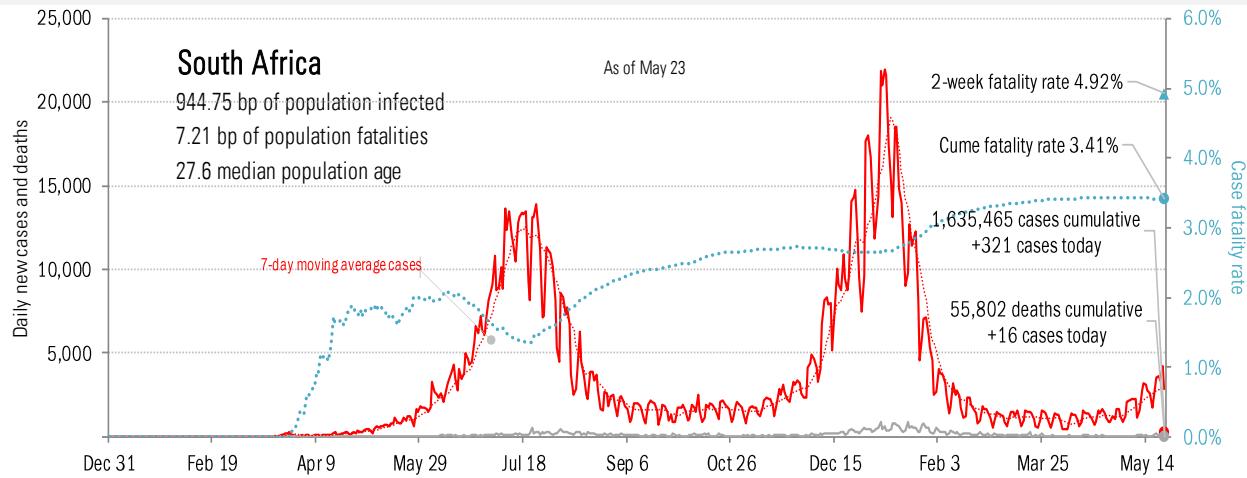
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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