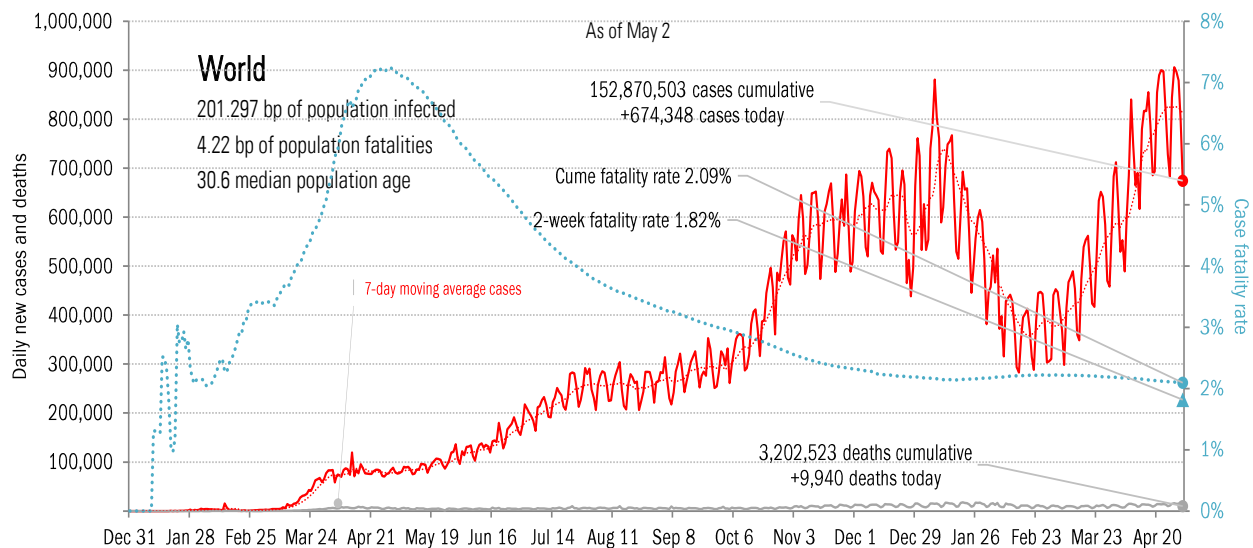
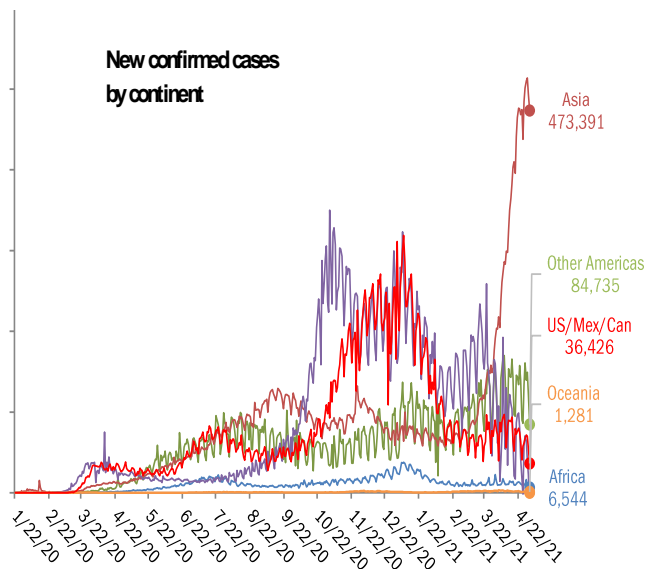


Data Insights: Covid-2019 Monitor

Monday, May 3, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+368,060	India	+3,417
United States	+29,367	Brazil	+1,202
Brazil	+28,935	Peru	+649
Turkey	+25,980	Colombia	+485
Iran	+18,698	Iran	+394
Colombia	+15,909	Turkey	+340
Peru	+11,553	Russia	+336
Argentina	+11,394	United States	+323
France	+9,888	Ukraine	+166
Italy	+9,145	Argentina	+156
+528,929		+7,468	
World	+674,348	World	+9,940
Top ten	78%	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

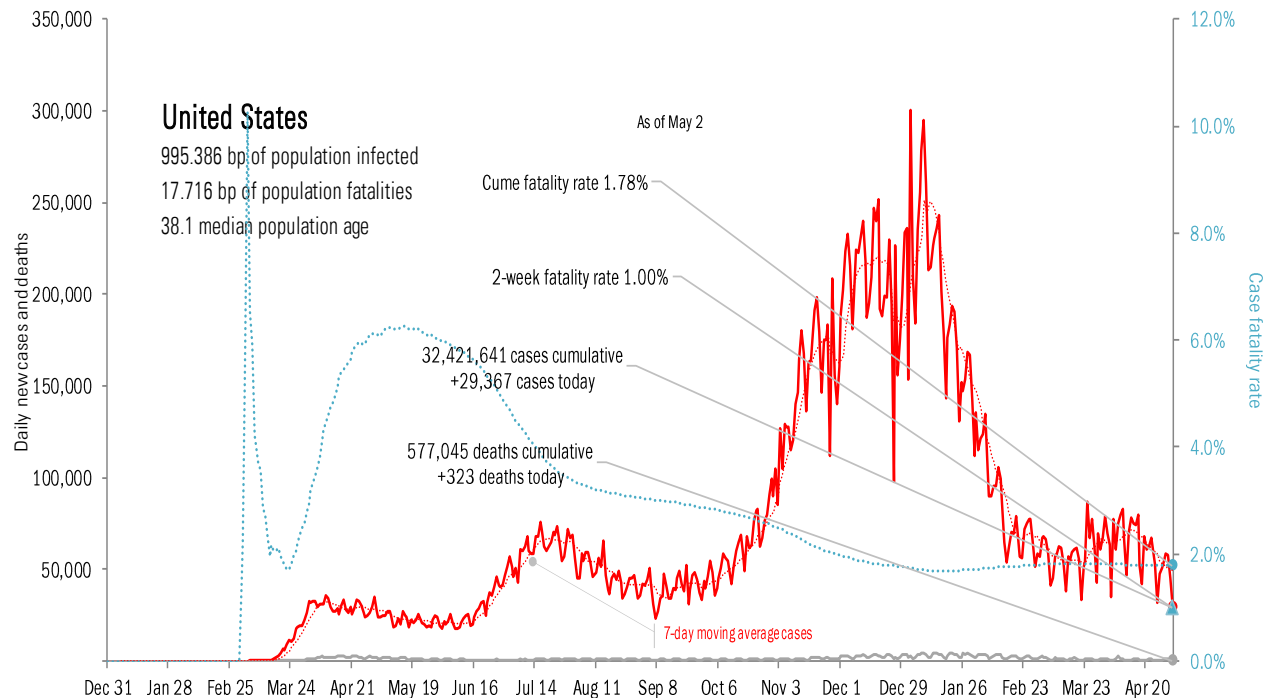
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
FL	+3,841	CA	+73	GA	+92	CA	3,744,937	CA	61,939	TX	238,313	RI	91%	MI	32%						
NY	+2,826	NY	+49	LA	+58	TX	2,897,110	NY	52,358	CA	230,813	MA	84%	MD	22%						
PA	+2,145	FL	+29	NV	+33	FL	2,242,778	TX	50,290	FL	168,332	PA	82%	ME	19%						
IL	+1,861	IL	+28	CA	+26	NY	2,054,848	FL	35,268	NY	128,946	CT	82%	RI	18%						
MN	+1,711	PA	+18	IL	+25	IL	1,339,621	PA	26,237	GA	101,032	MO	82%	MN	18%						
GA	+1,302	TX	+16	TN	+22	PA	1,157,285	NJ	25,600	PA	84,578	MD	82%	CO	17%						
TX	+1,300	SC	+14	KY	+19	GA	1,102,789	IL	24,358	CH	81,827	MI	81%	PA	16%						
CA	+1,256	VA	+14	WV	+18	CH	1,075,004	GA	20,212	IL	76,129	GA	80%	ID	15%						
NJ	+1,198	MD	+12	AR	+17	NJ	1,000,010	CH	19,284	KY	72,134	MN	79%	WA	14%						
IN	+1,069	NJ	+12	CH	+12	NC	969,752	MI	18,893	MI	65,918	FL	78%	WV	14%						
+18,509			+265			+322			17,584,134			334,439			1,248,022						
All states	+29,367		+323		+7	All states	32,421,641		577,045		2,222,932	All states	70%		67%						
Top ten	63%		82%		4600%	Top ten	54%		58%		56%	Median	72%		10%						

Some states not reporting

Five most improved US states

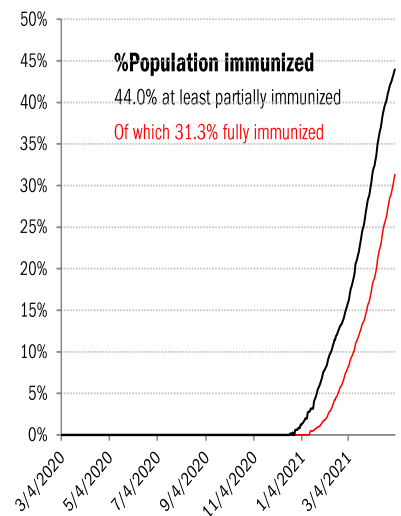
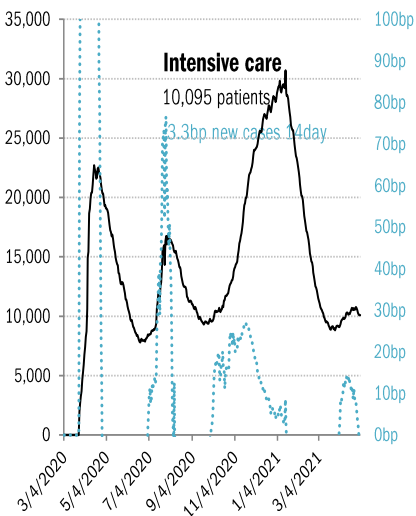
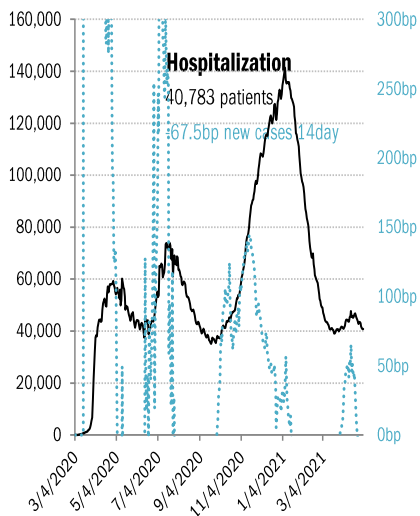
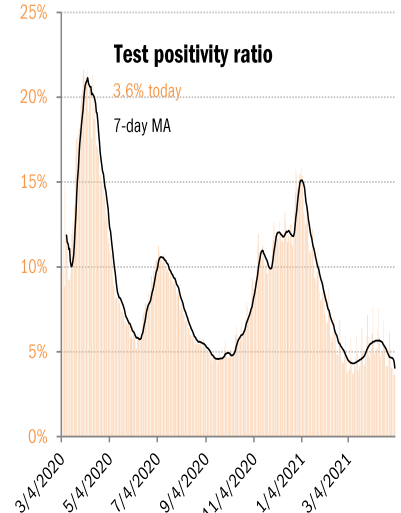
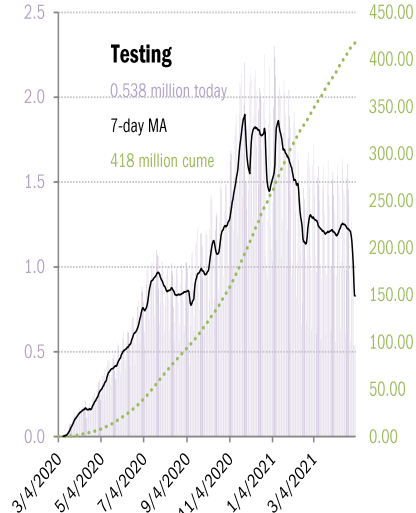
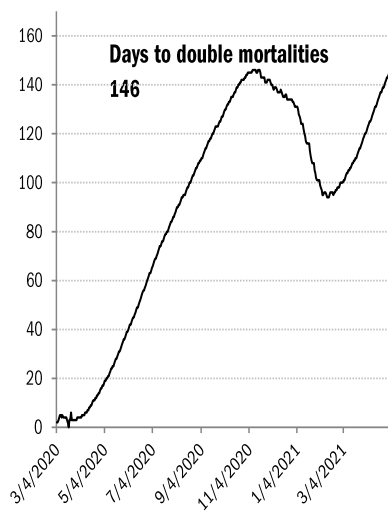
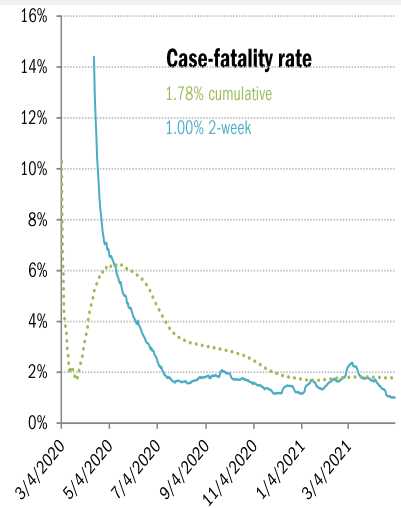
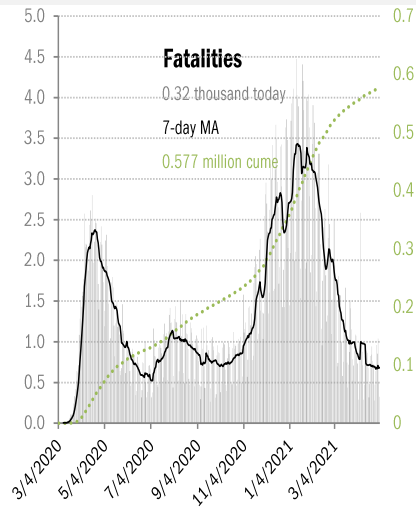
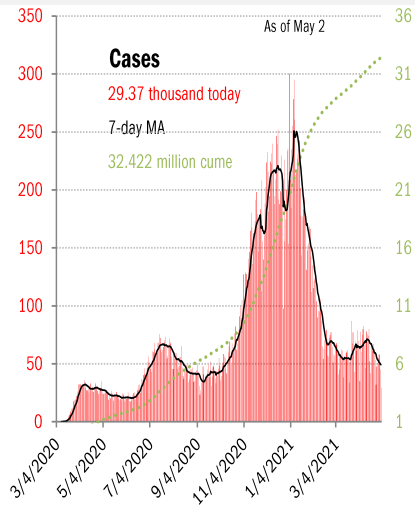
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MI	-3,708	MI	-140	CR	-44	CR	+111 bp
WA	-1,669	CH	-96	IN	-27	NE	+106 bp
FL	-1,578	FL	-49	WA	-25	VT	+81 bp
NY	-1,046	TX	-39	NM	-21	MA	+72 bp
IL	-944	GA	-22	FL	-19	DE	+66 bp



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

US deep-dive

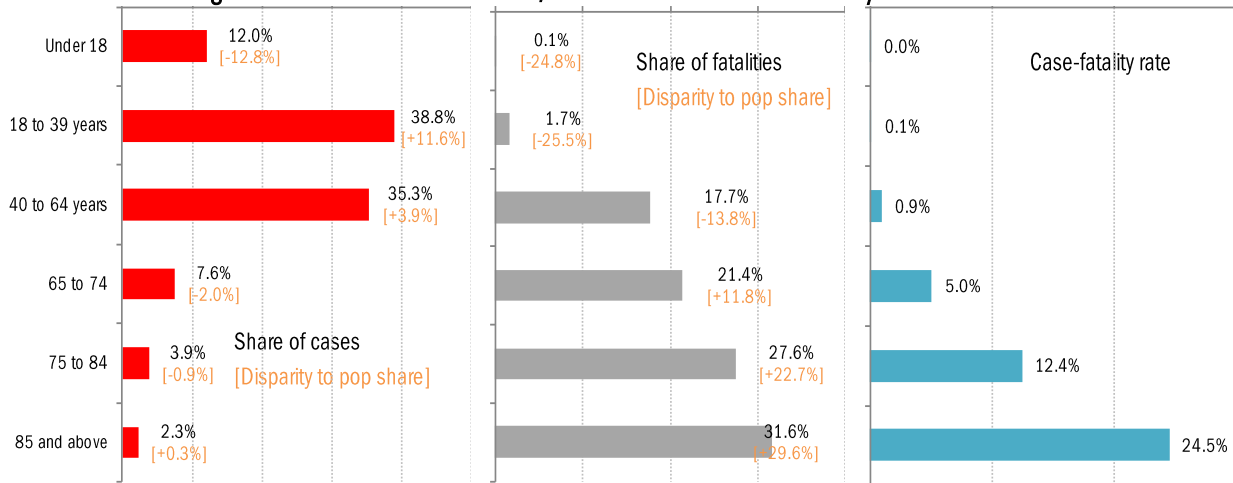
National and state-by-state data do not line up because of different sources



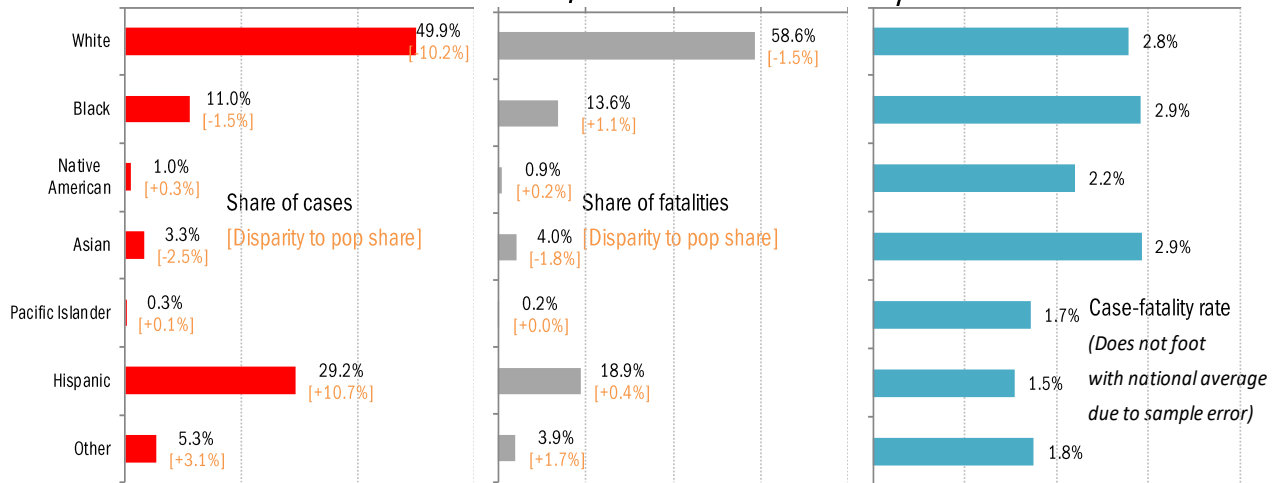
Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

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

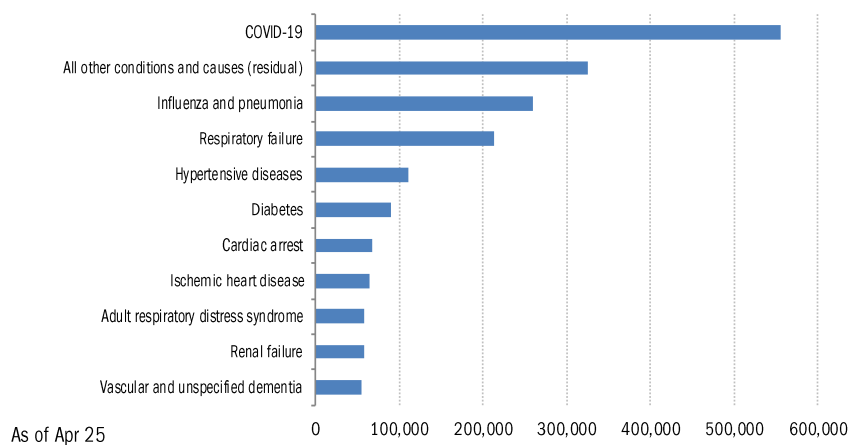


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[How Ike's 1950s America Beat The 'Asian Flu' With Science & Common Sense](#)

Niall Ferguson
Zero Hedge
May 2, 2021

[Southwest Airline Kicks Passenger off Flight for Eating Without a Mask](#)

Roland Arhelger
American Update
May 1, 2021

[How a Miami School Became a Beacon for Anti-Vaxxers](#)

Patricia Mazzei
New York Times
May 2, 2021

[The Schools Aren't Really Open](#)

Wall Street Journal
May 2, 2021

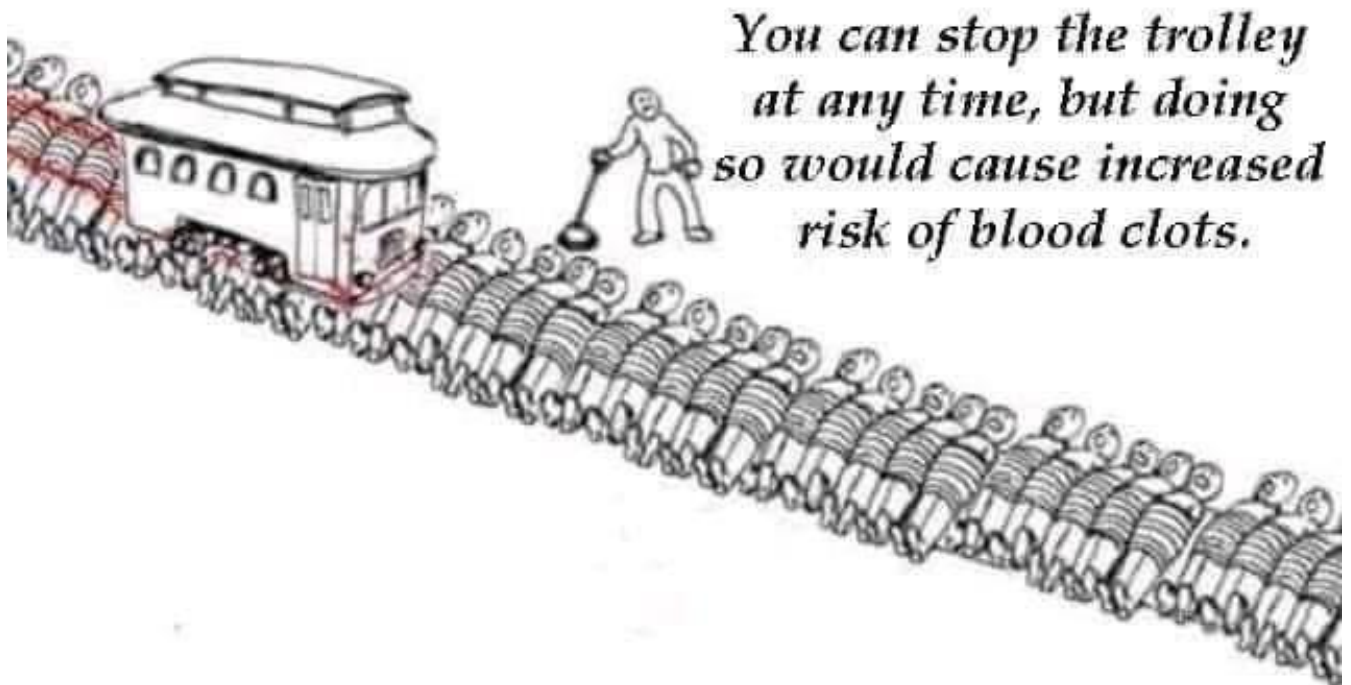
[Texas Physician/Researchers Case Series Finds Reduction in COVID-19 Hospitalization by 87.6% & Death 74.9%](#)

TrialSite
April 9, 2021

[The Leading Causes of Death in the US for 2020](#)

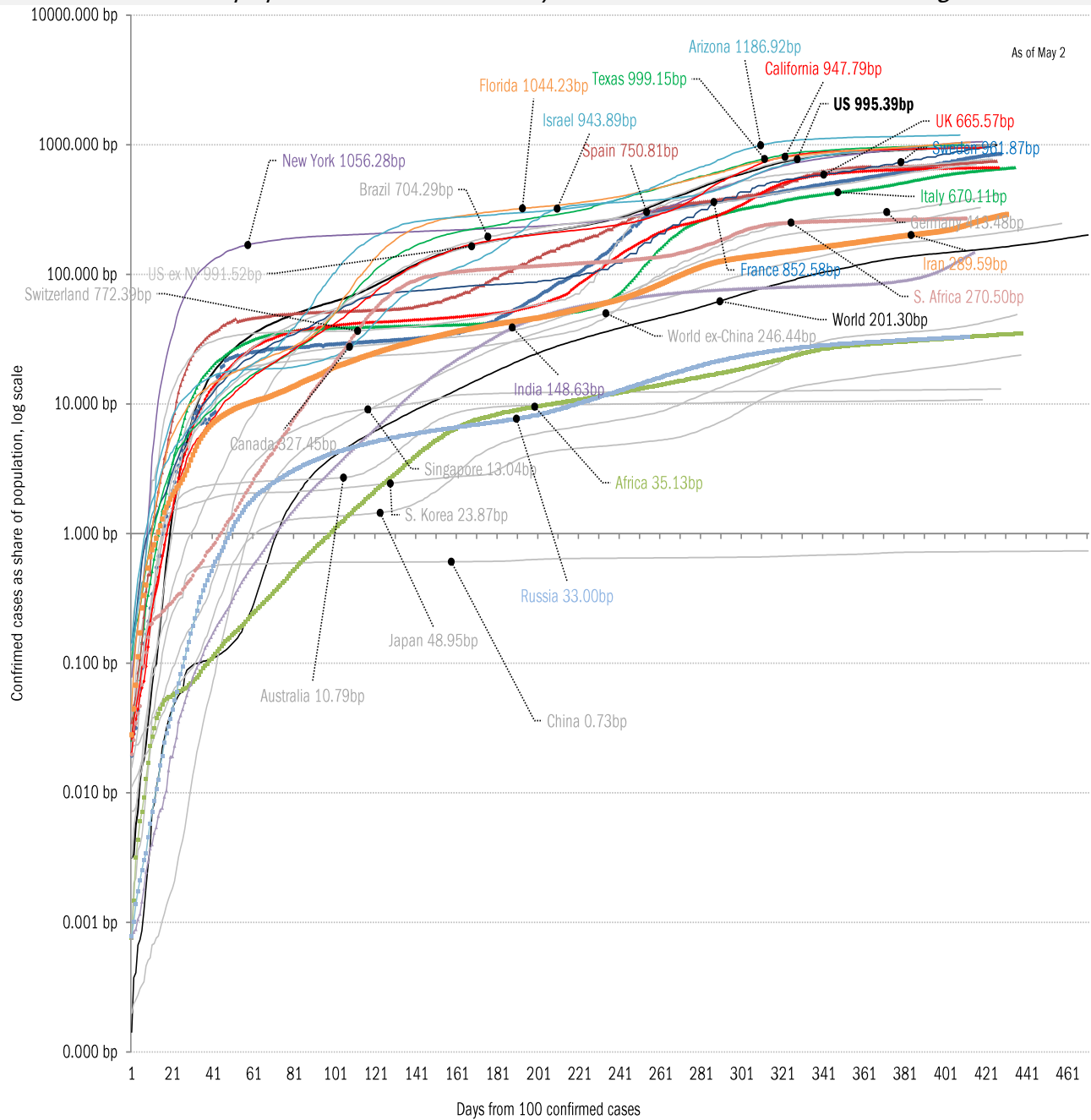
Farida B. Ahmad and Robert N. Anderson
Journal of the American Medical Association
March 31, 2021

Meme of the day



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

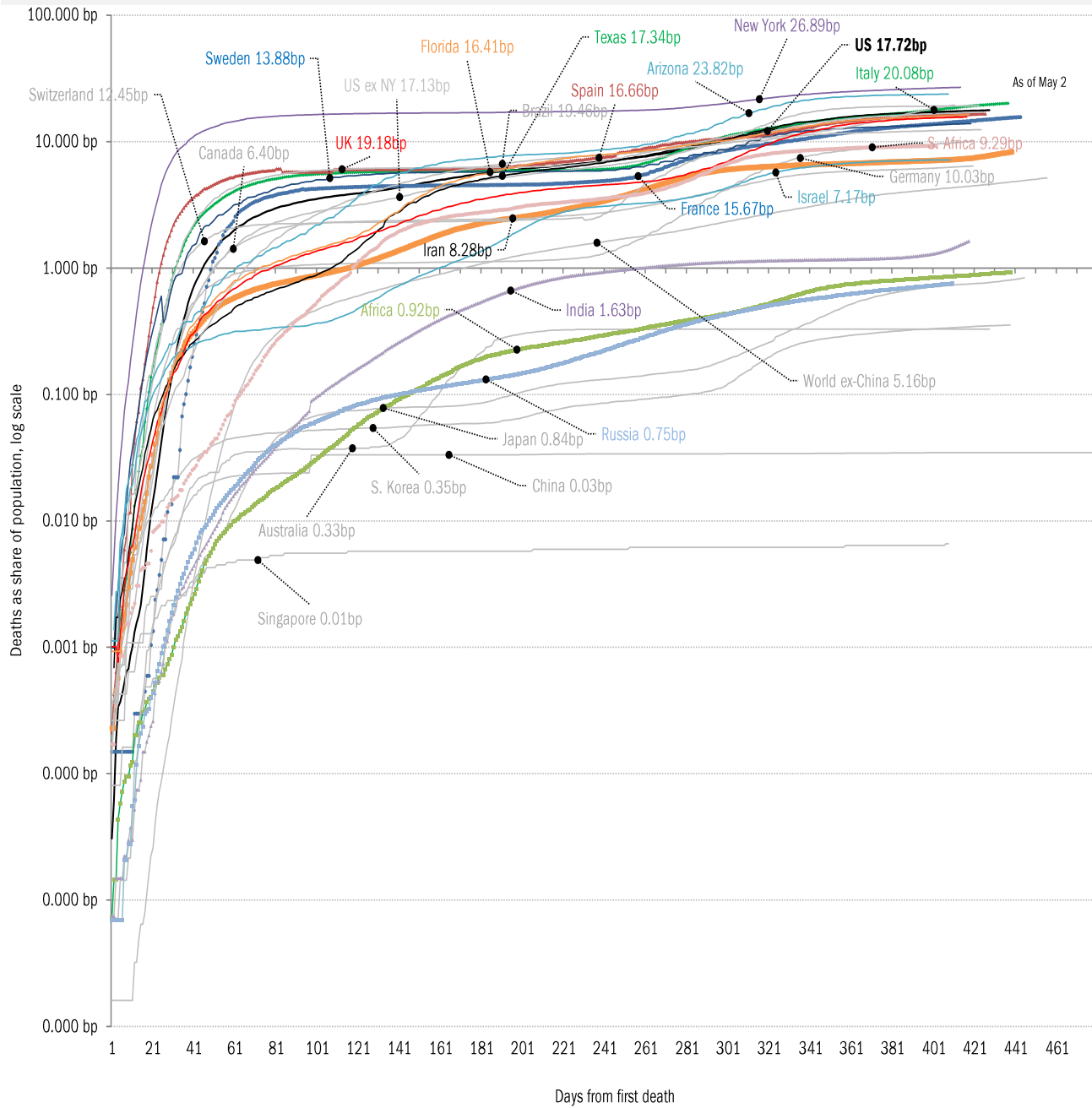
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

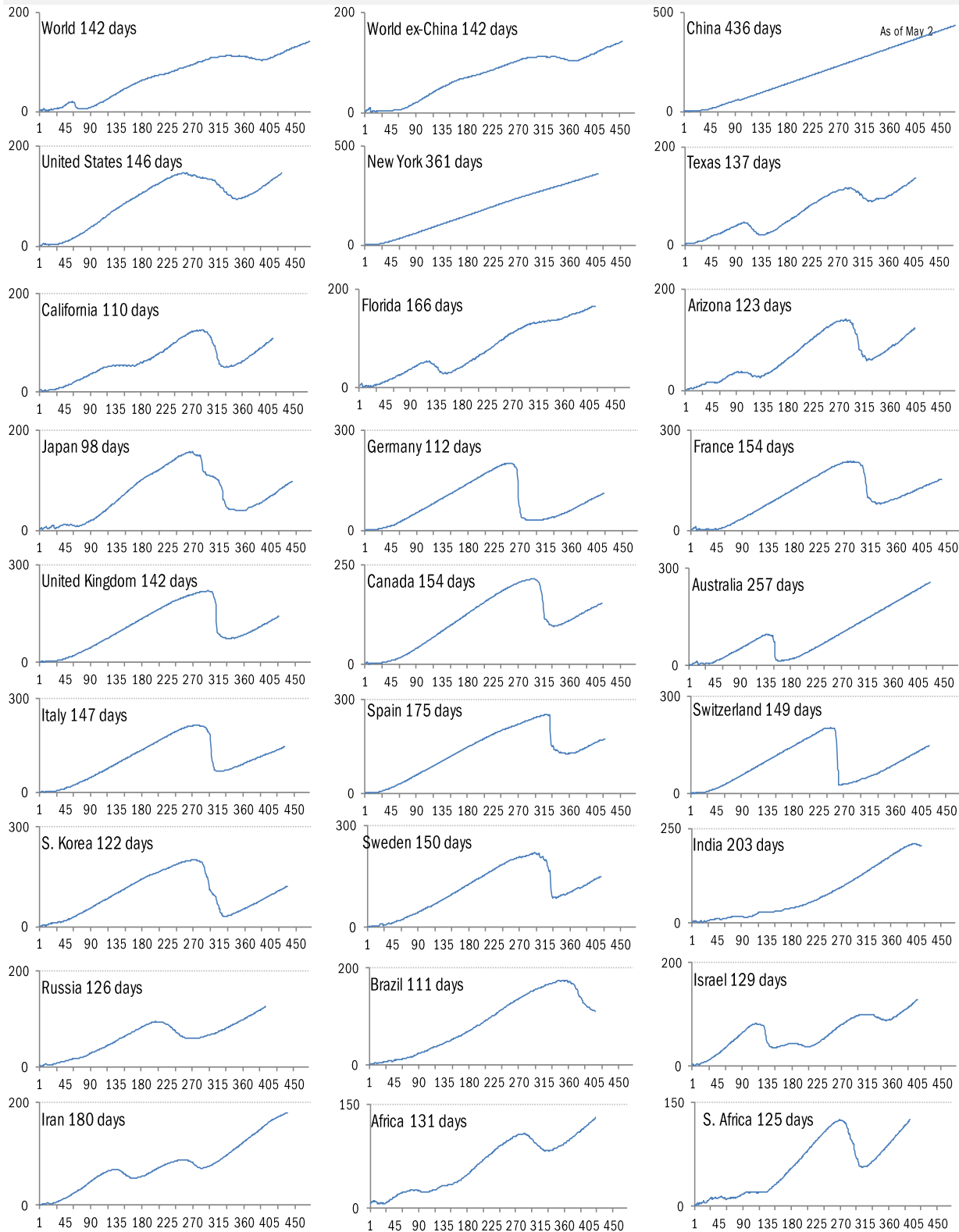


Source: [Johns Hopkins](#), TrendMacro calculations

"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

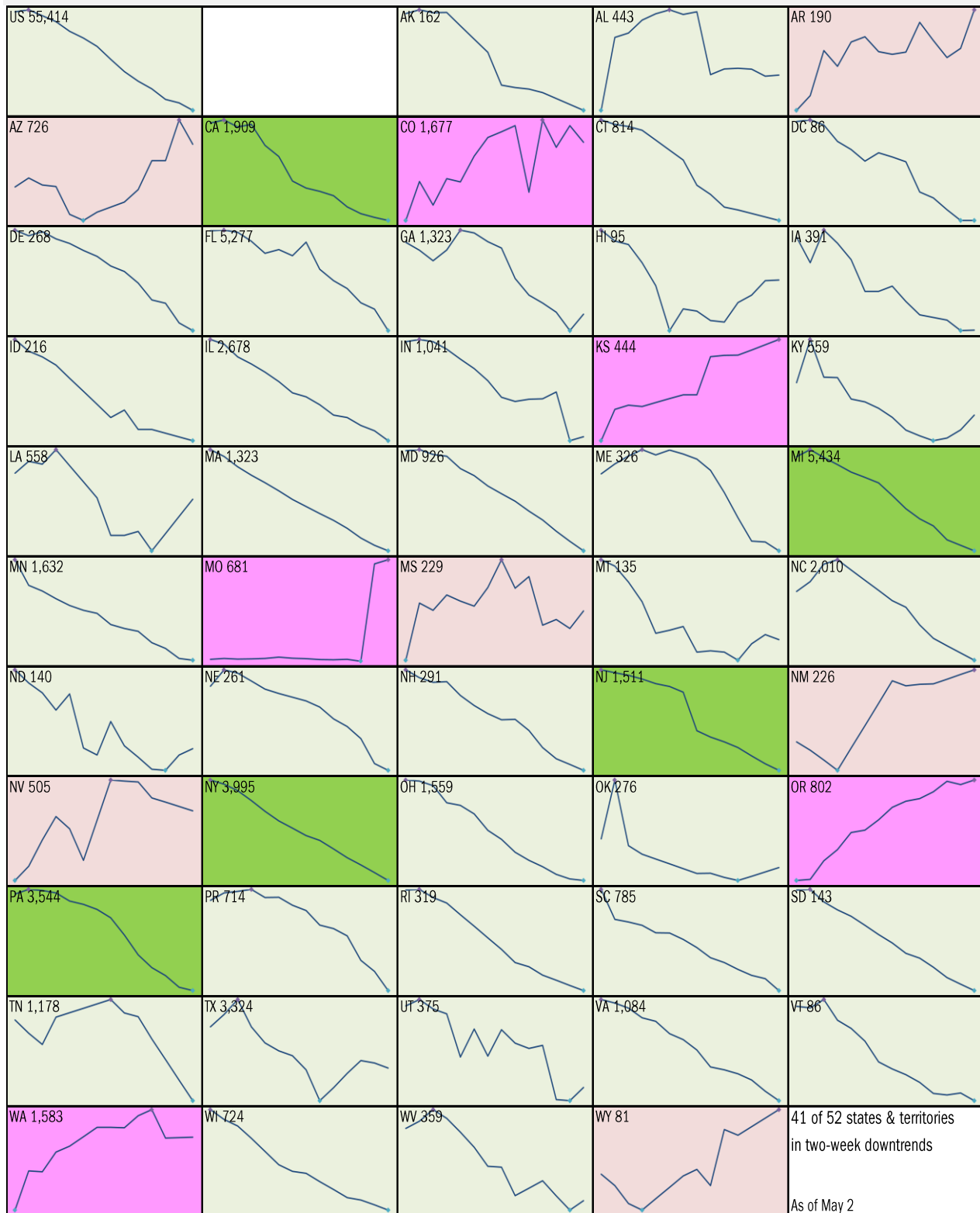


Source: [Johns Hopkins](#), TrendMacro calculations

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

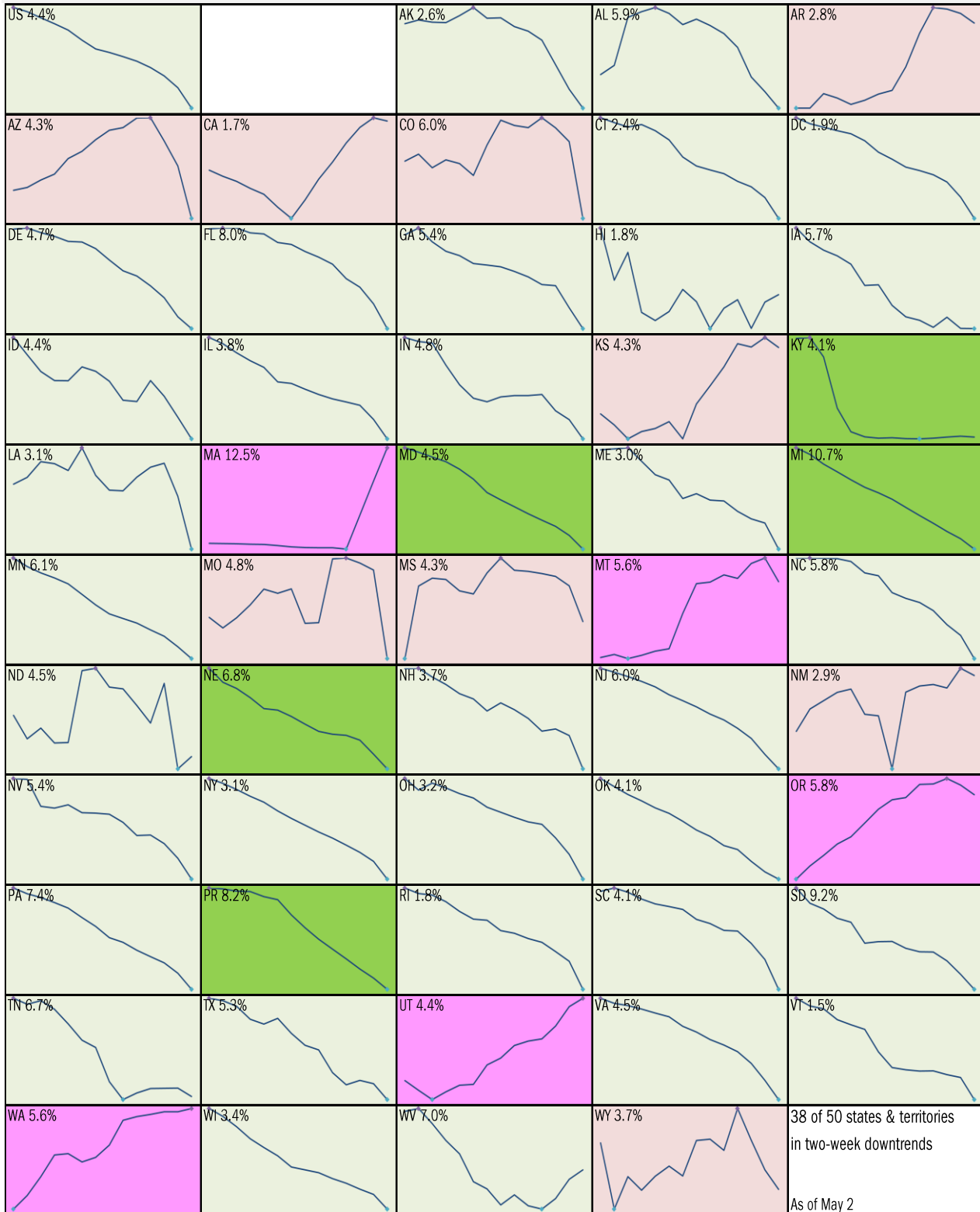


Source: [Johns Hopkins](#), TrendMacro calculations

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

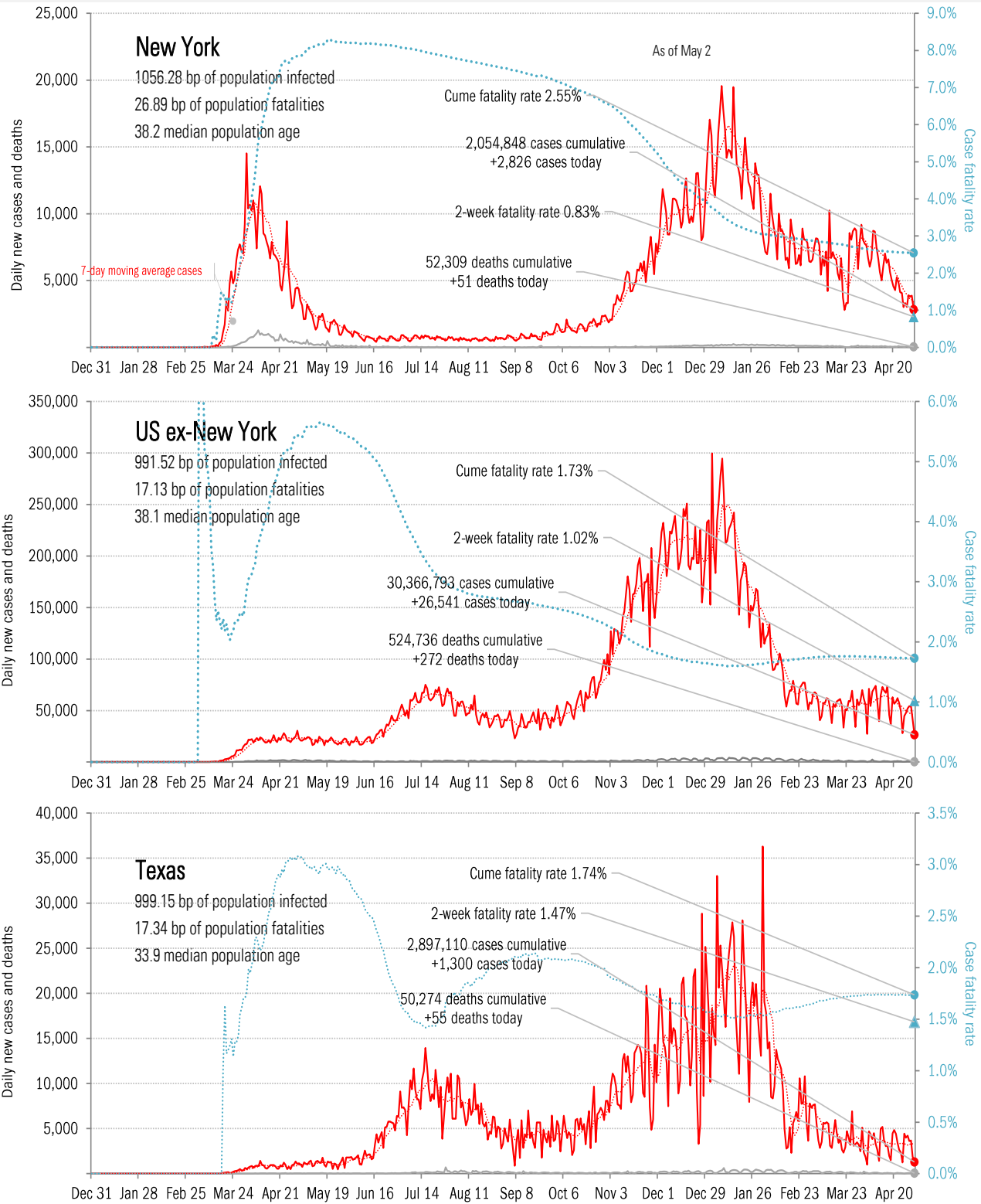
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



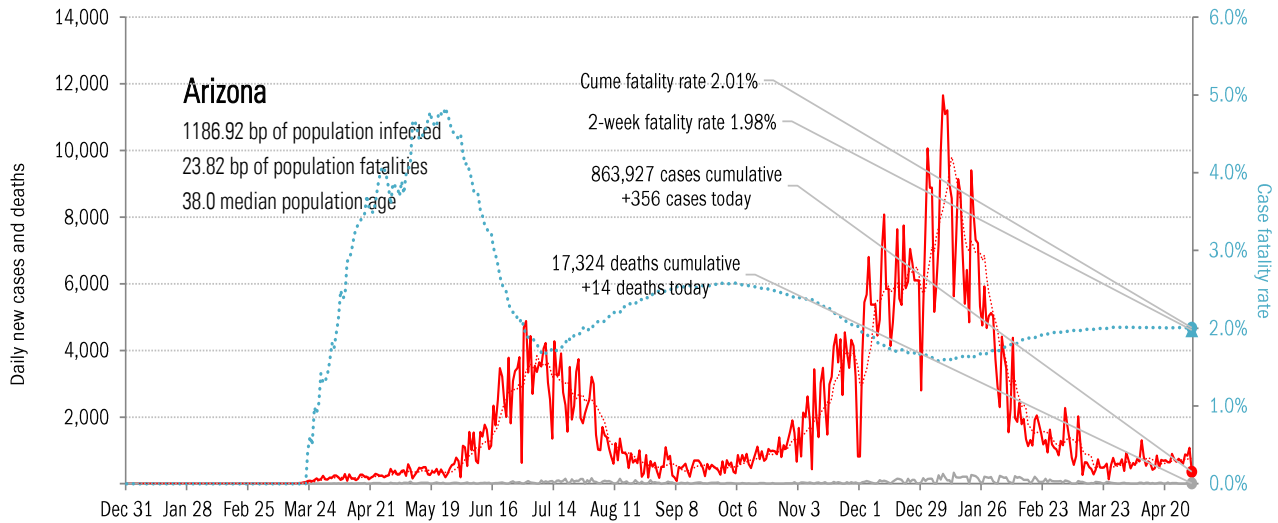
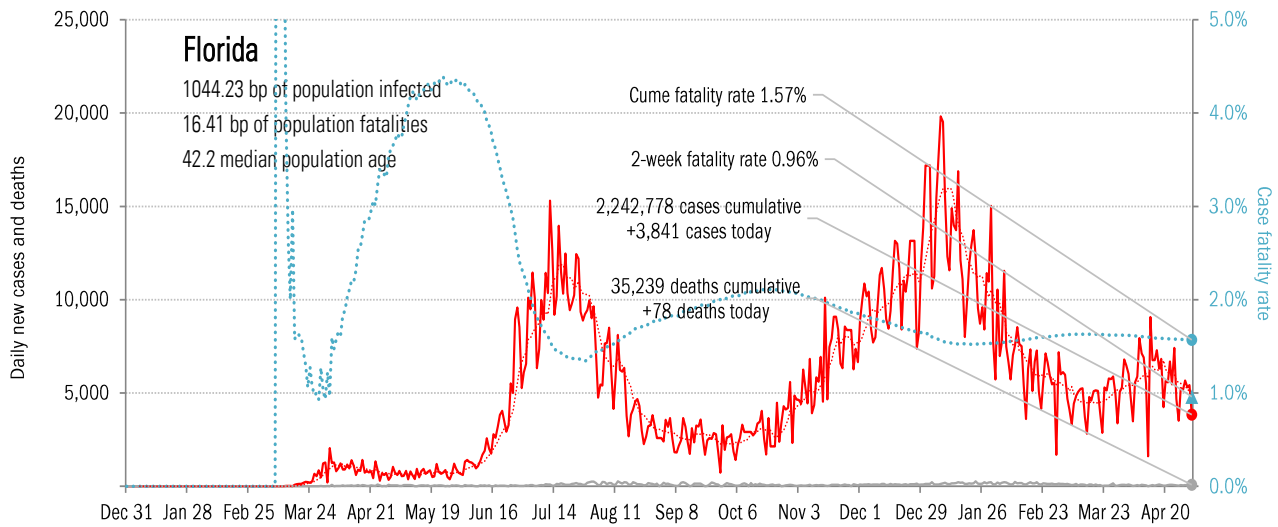
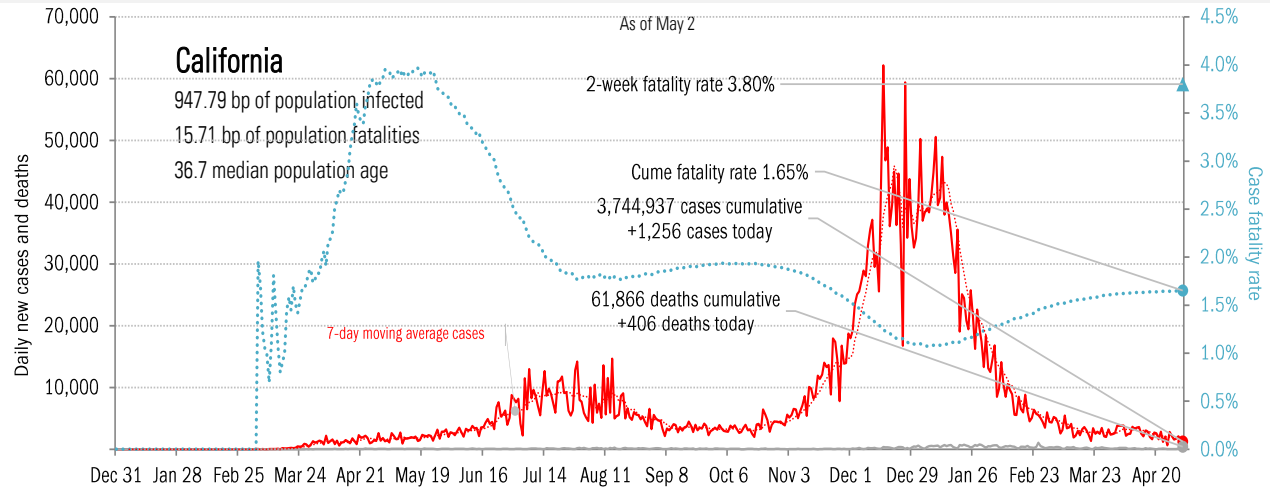
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



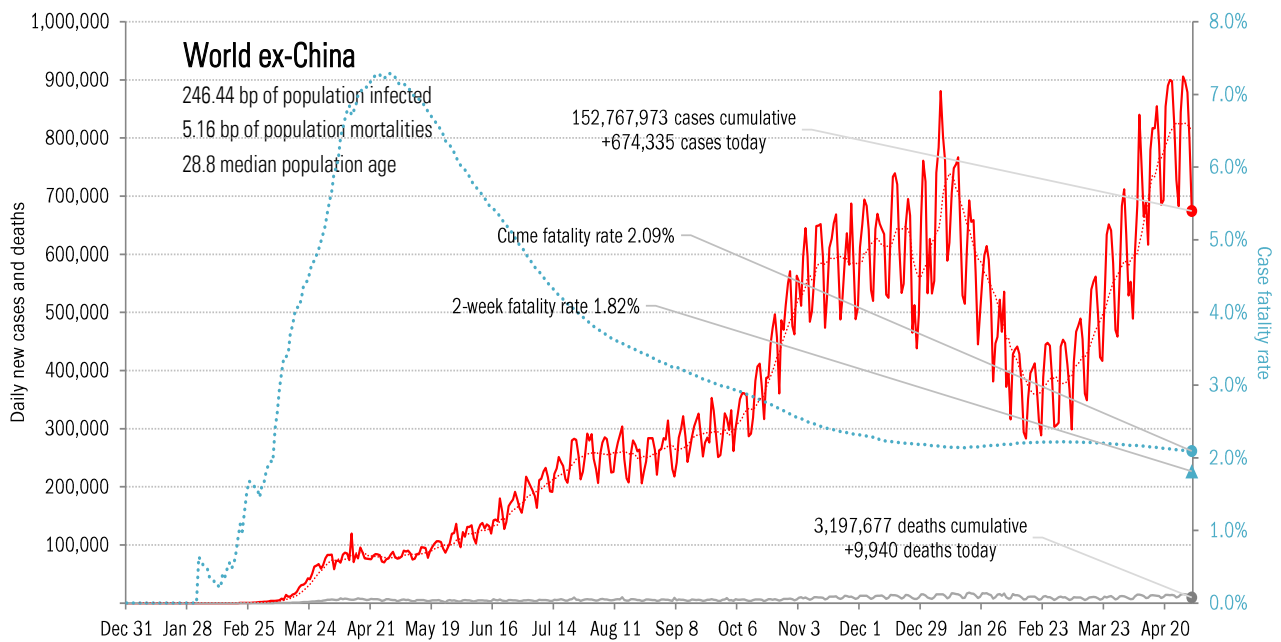
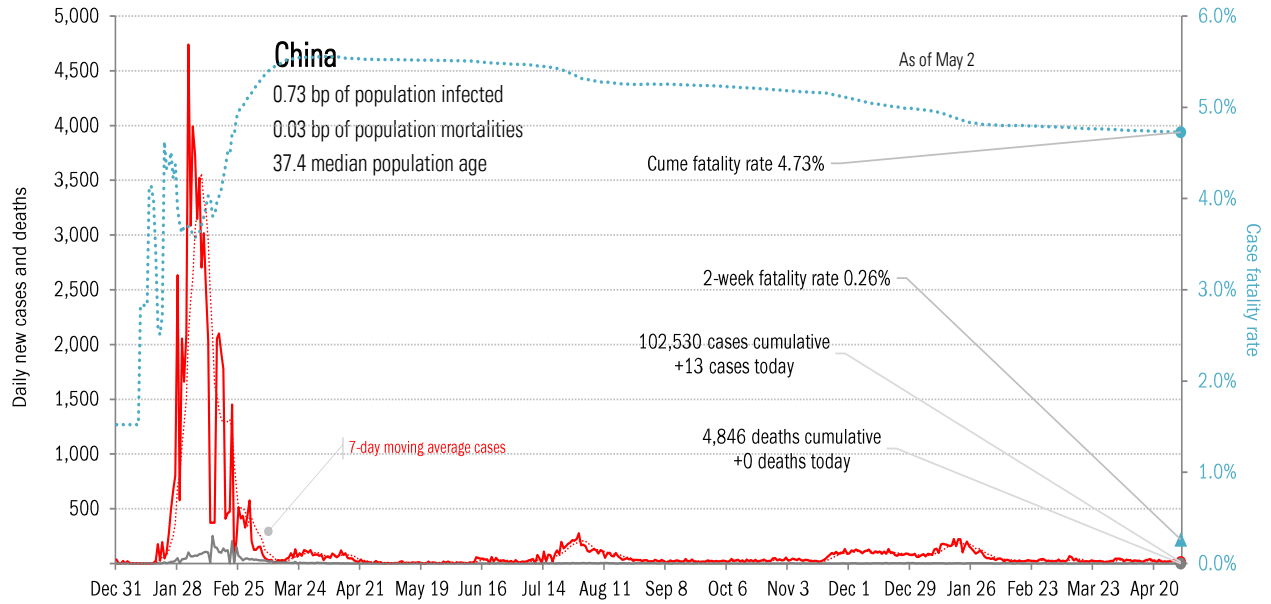
Source: [Johns Hopkins](#), TrendMacro calculations

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



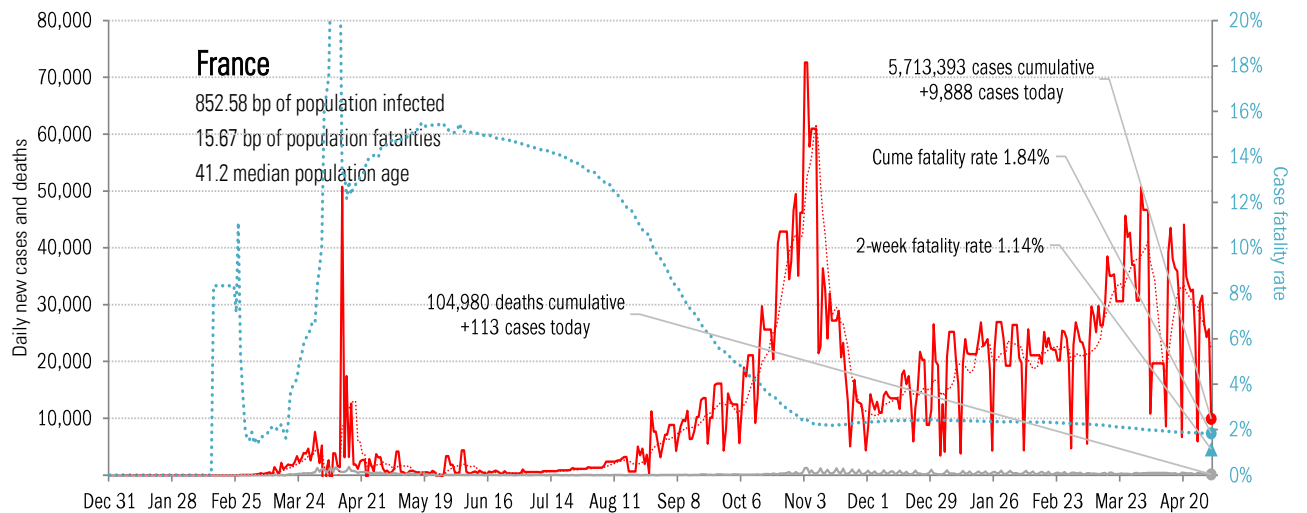
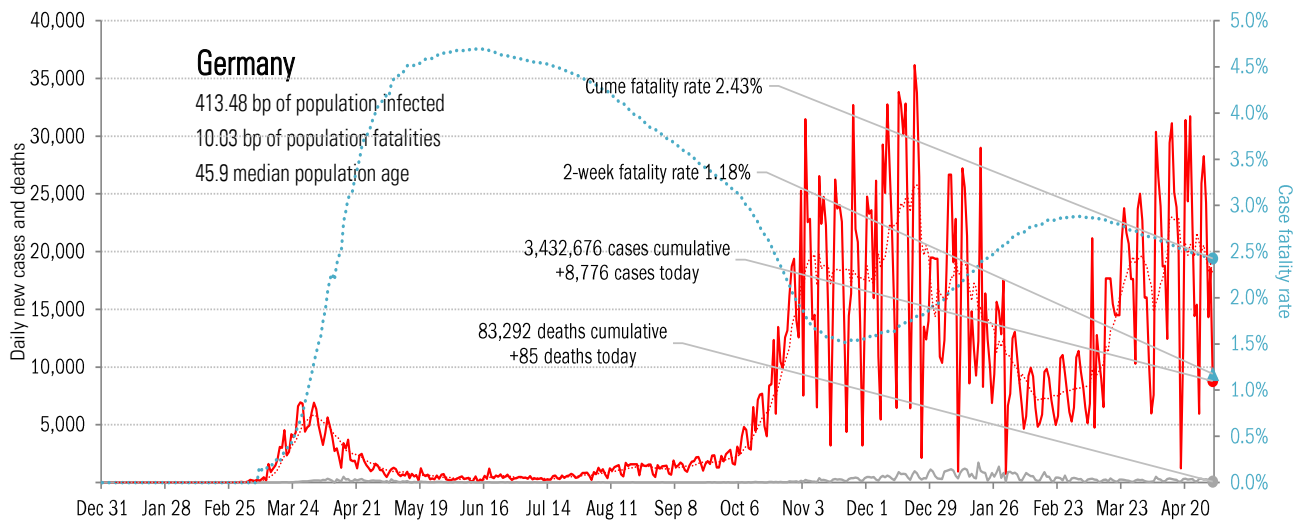
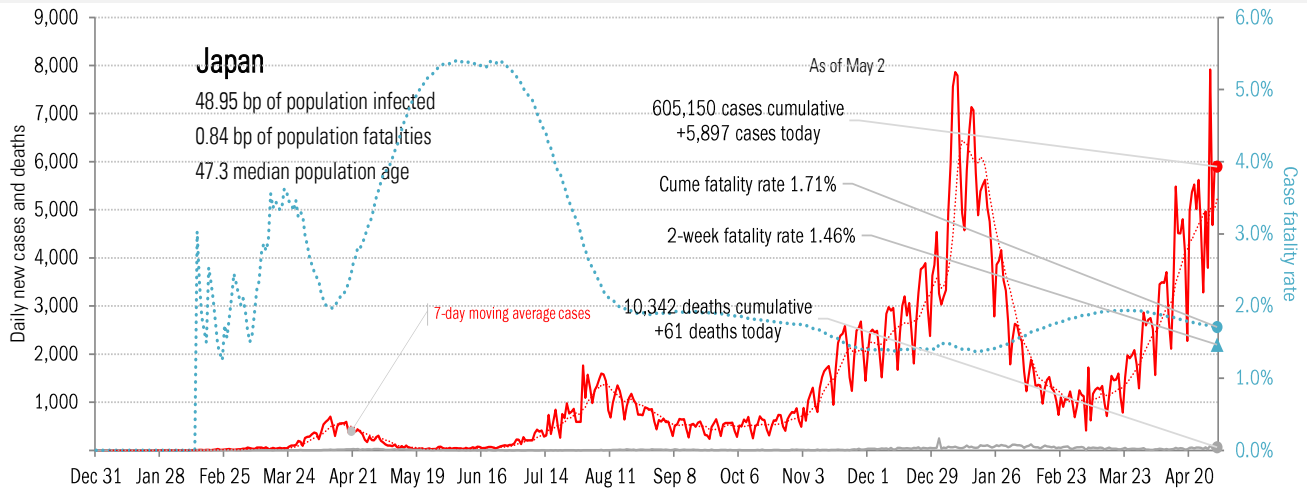
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



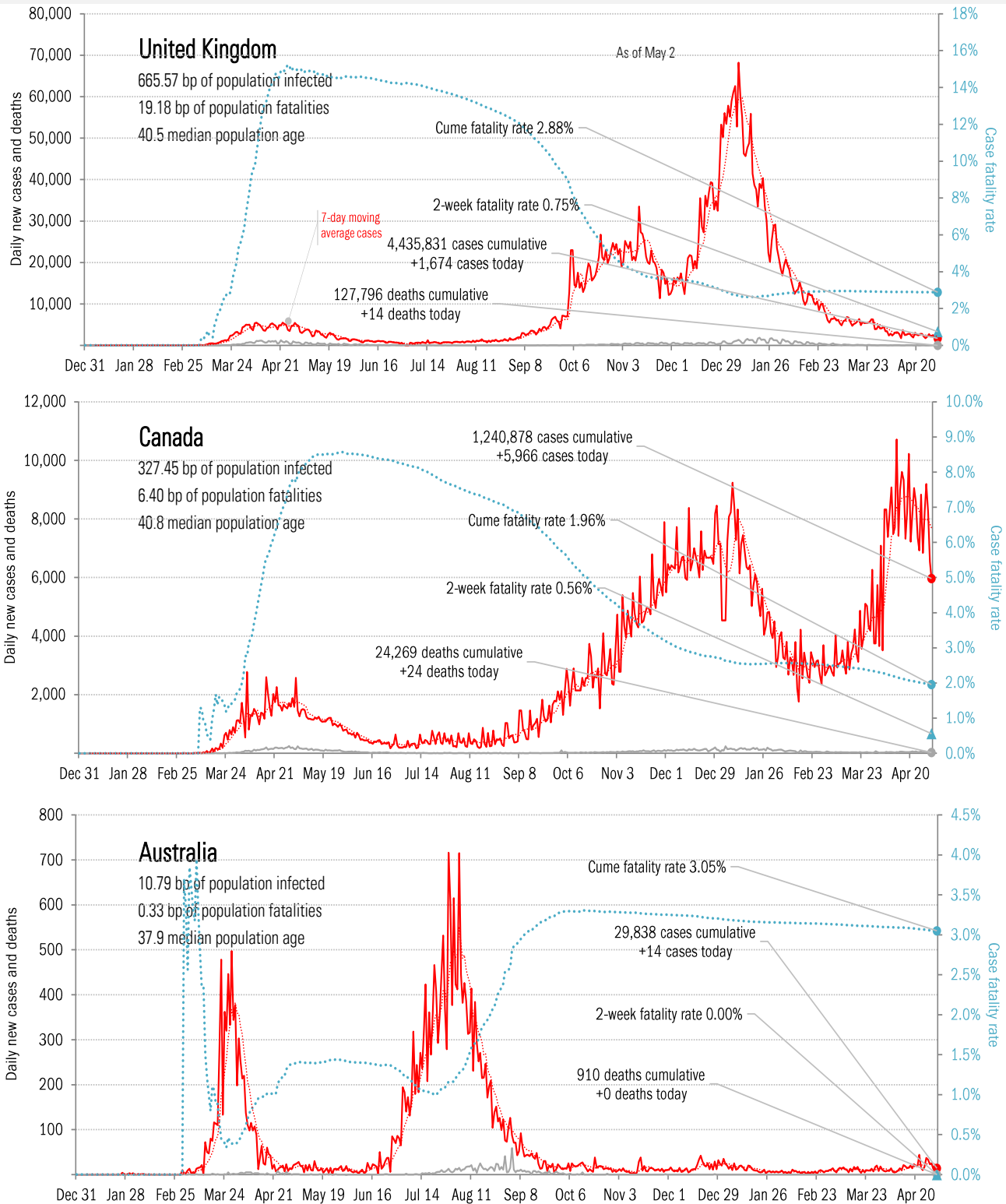
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



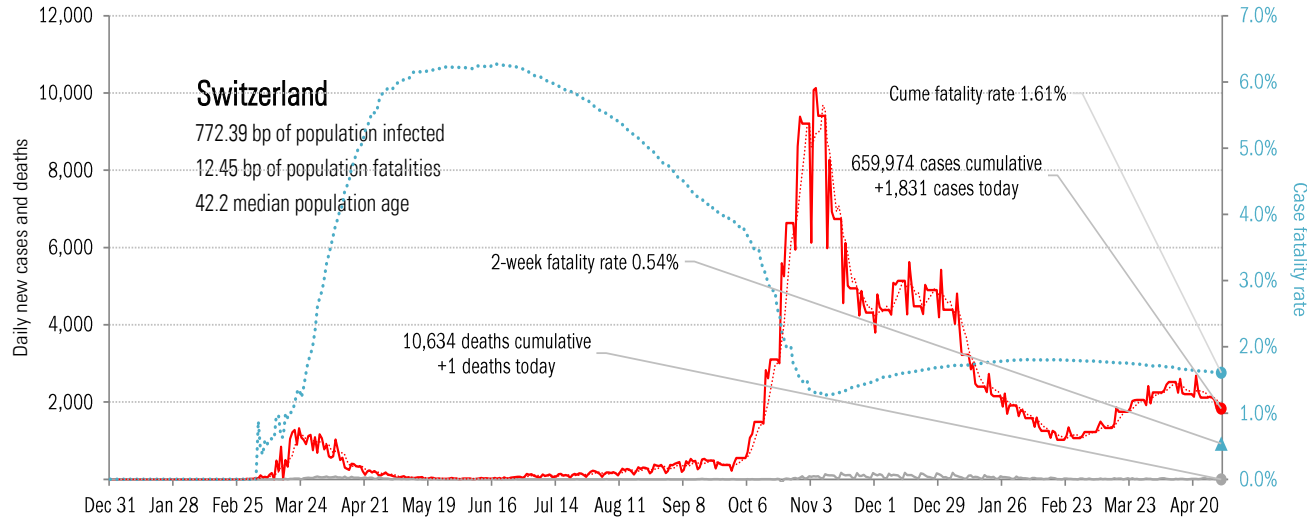
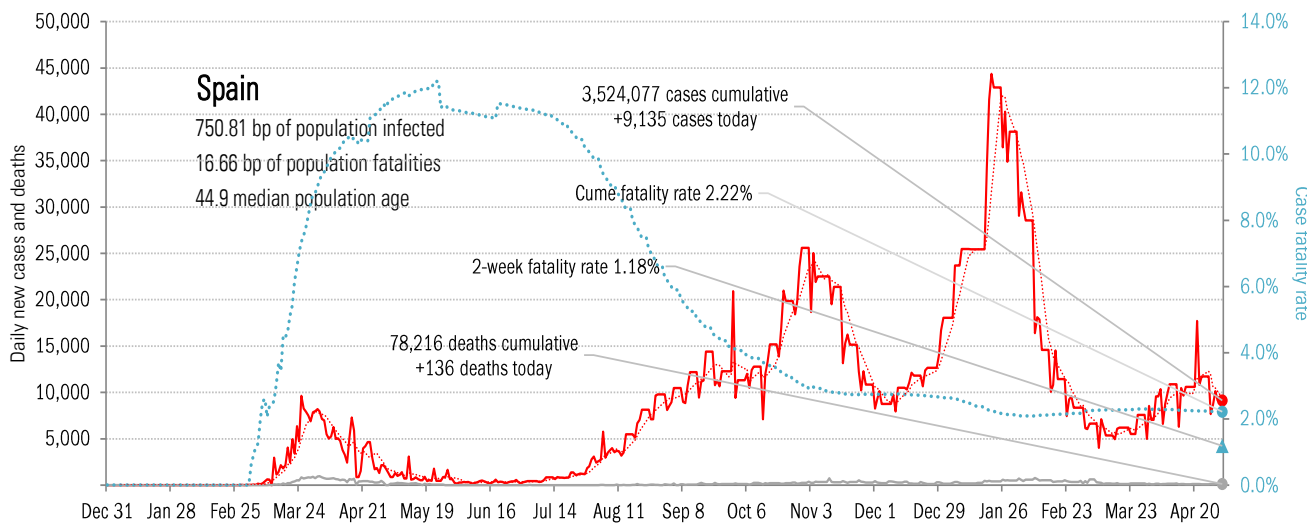
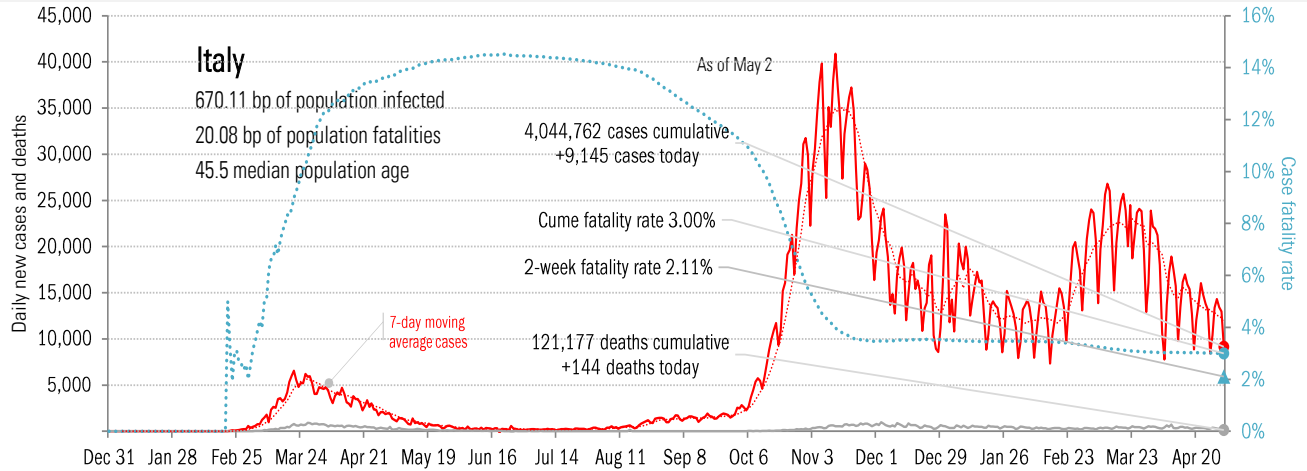
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



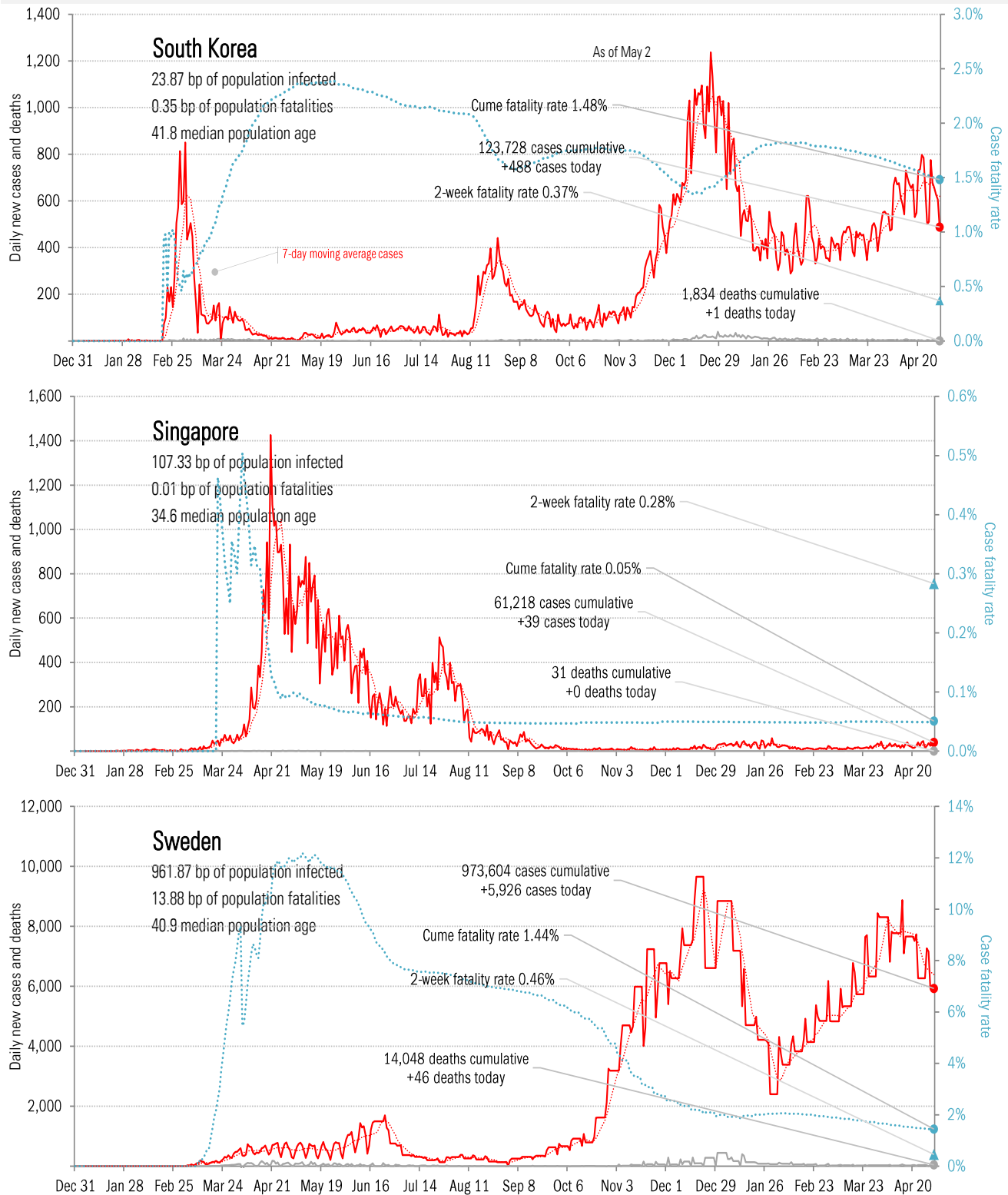
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



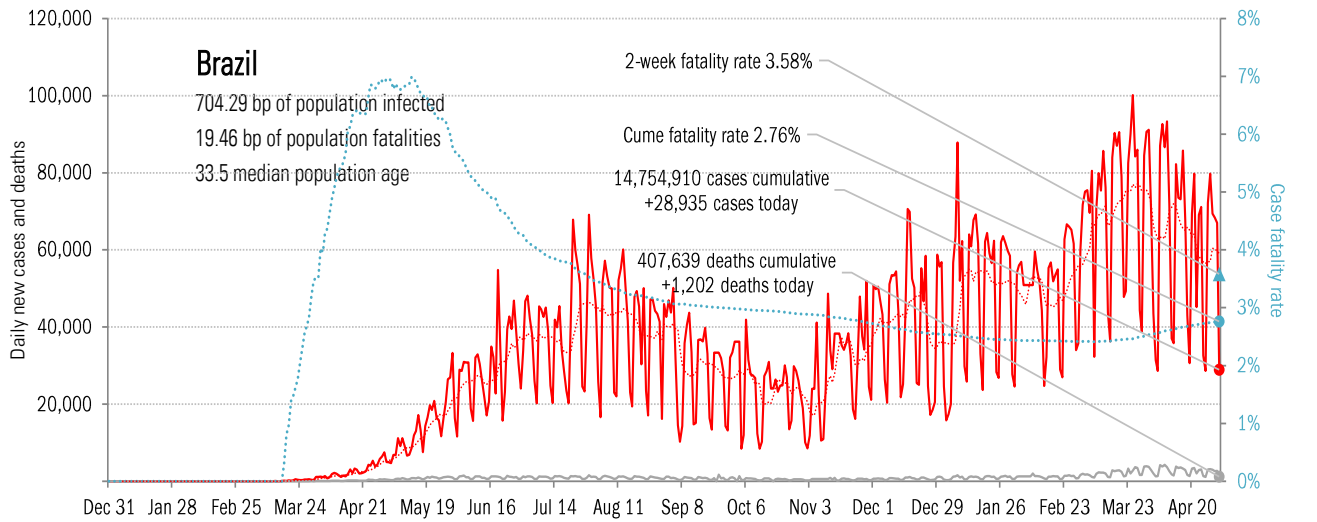
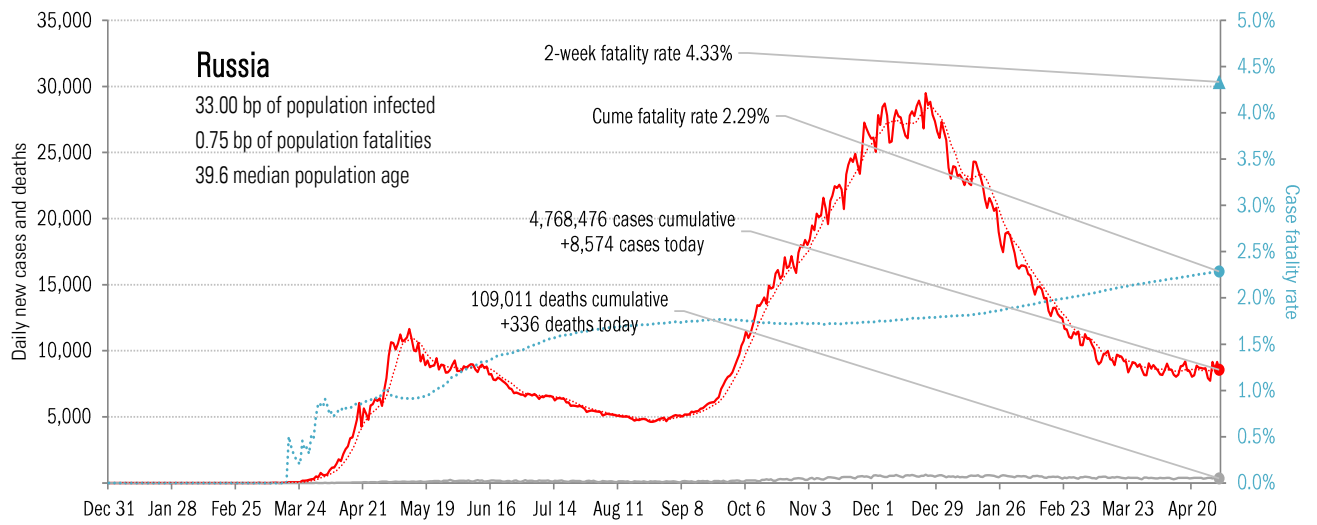
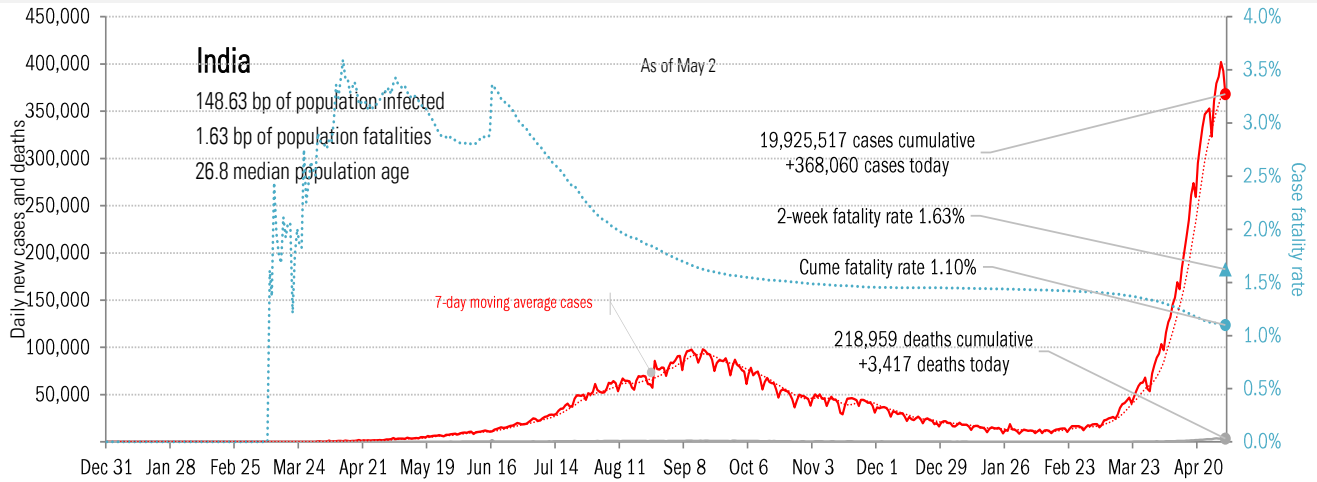
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



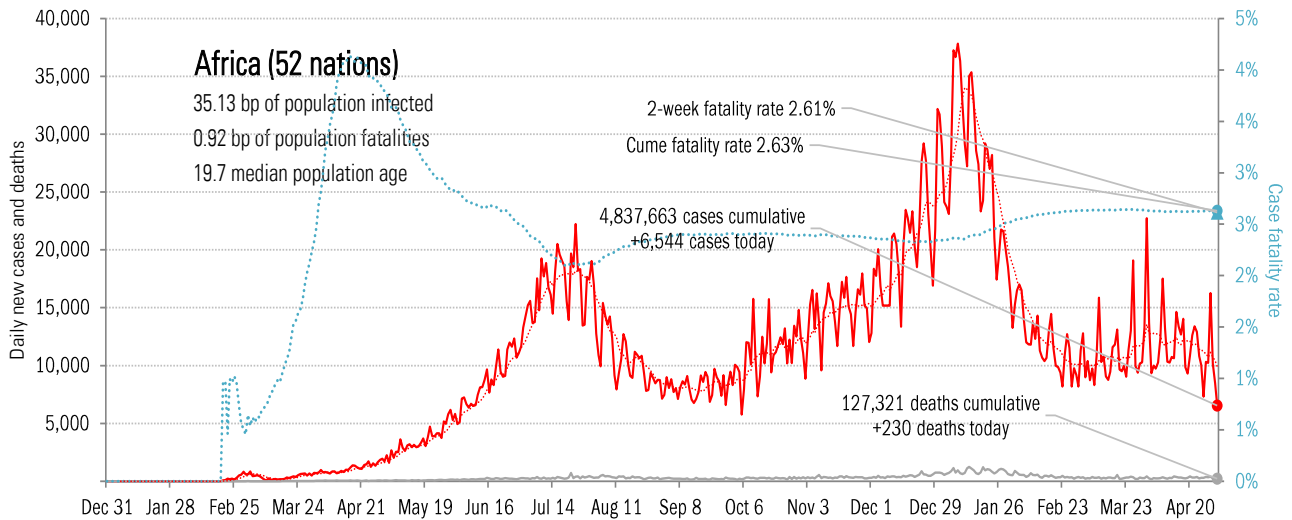
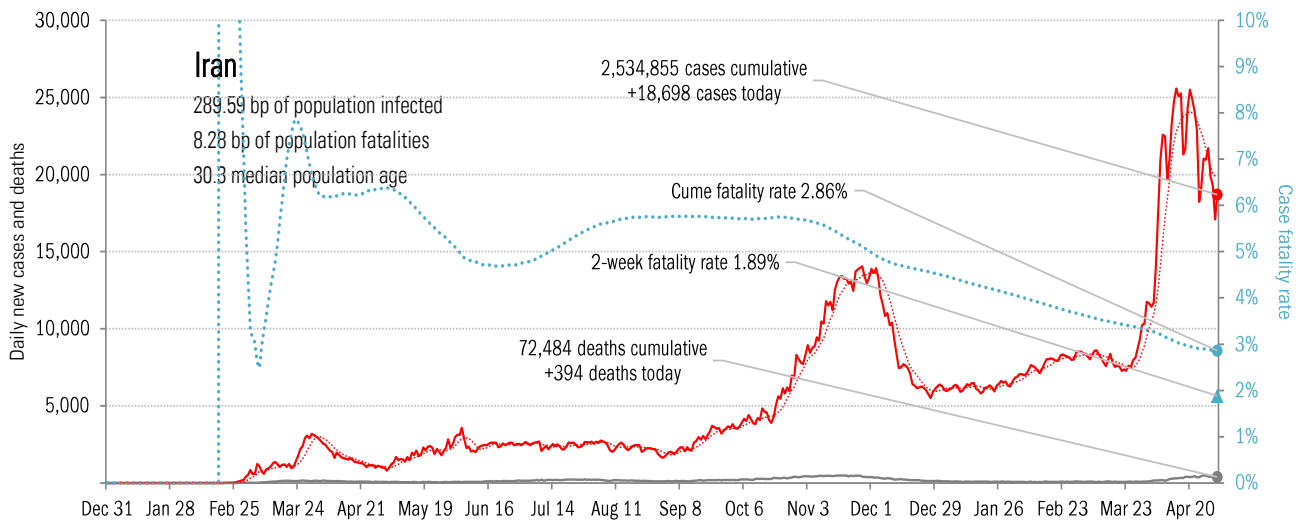
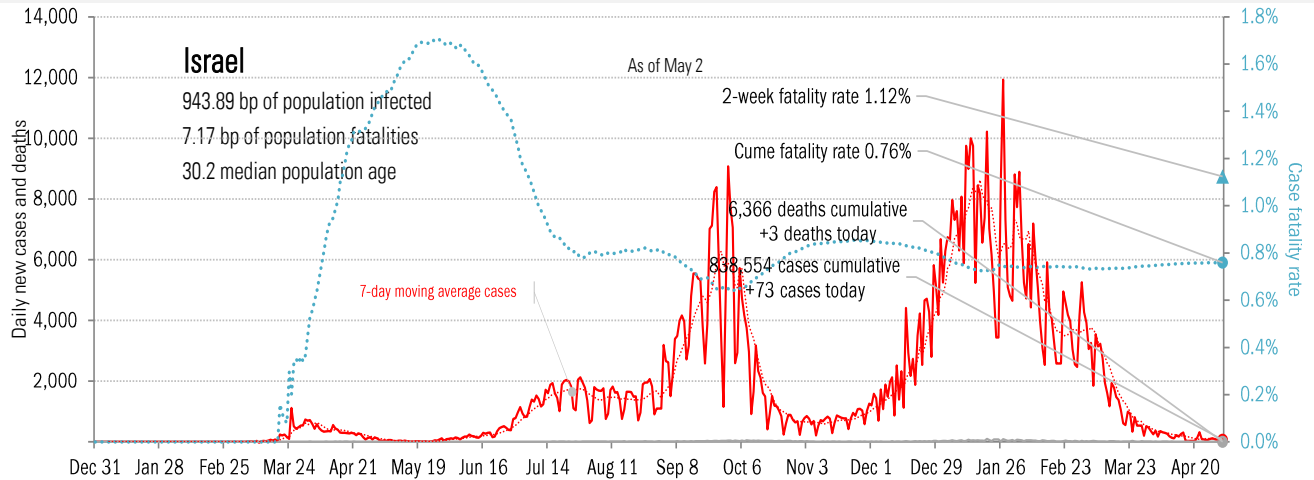
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



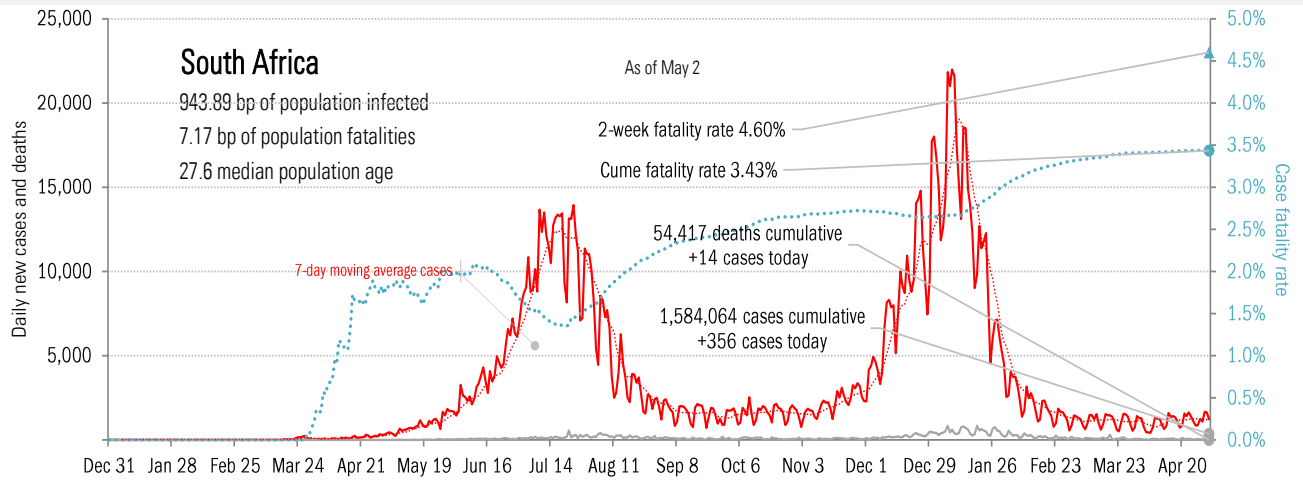
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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