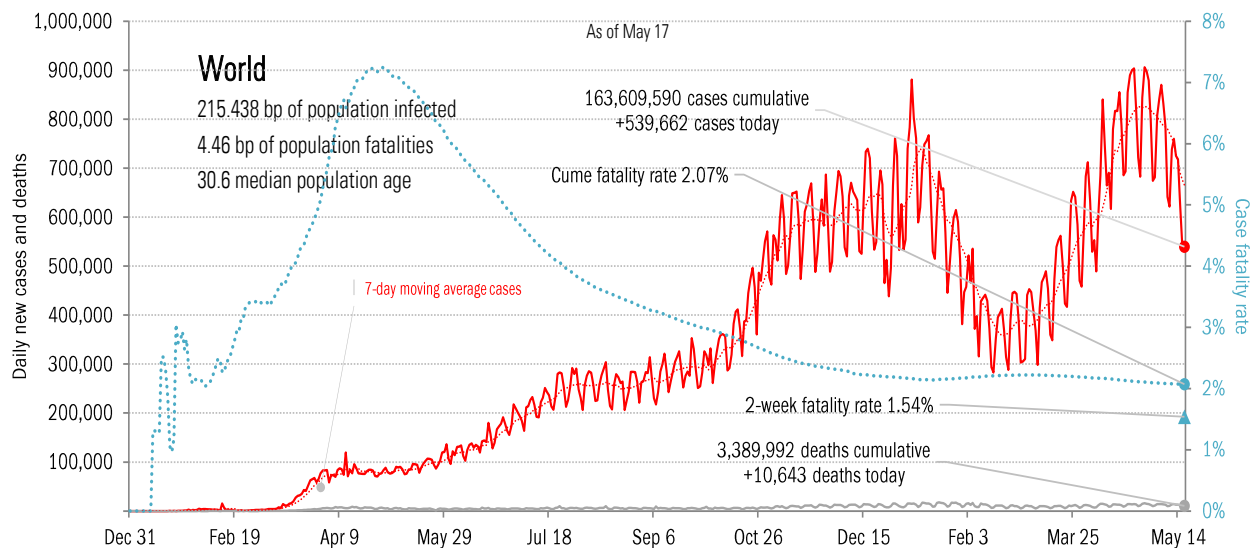
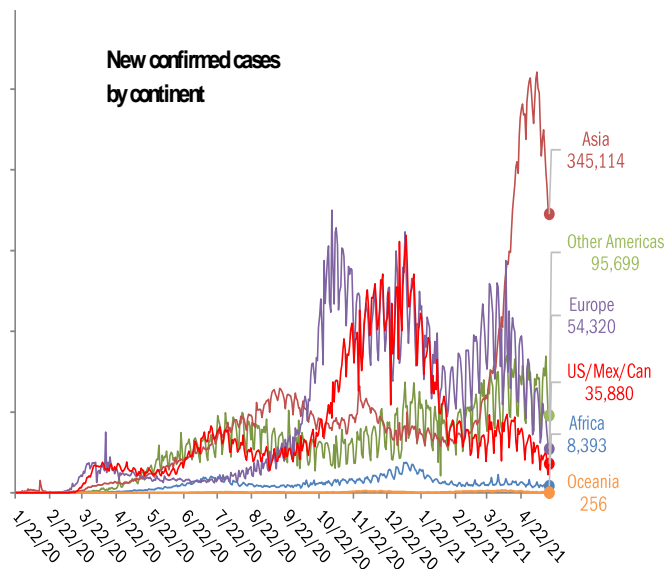


Data Insights: Covid-2019 Monitor

Tuesday, May 18, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+263,533	India	+4,329
Brazil	+30,148	Brazil	+786
Argentina	+28,680	Colombia	+509
United States	+28,634	Argentina	+505
Iran	+14,319	United States	+392
Colombia	+12,984	Russia	+336
Spain	+11,061	Iran	+286
Turkey	+10,174	Turkey	+223
Thailand	+9,635	Germany	+220
Russia	+9,204	Nepal	+214
+418,372		+7,800	
World	+539,662	World	+10,643
Top ten	78%	Top ten	73%



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

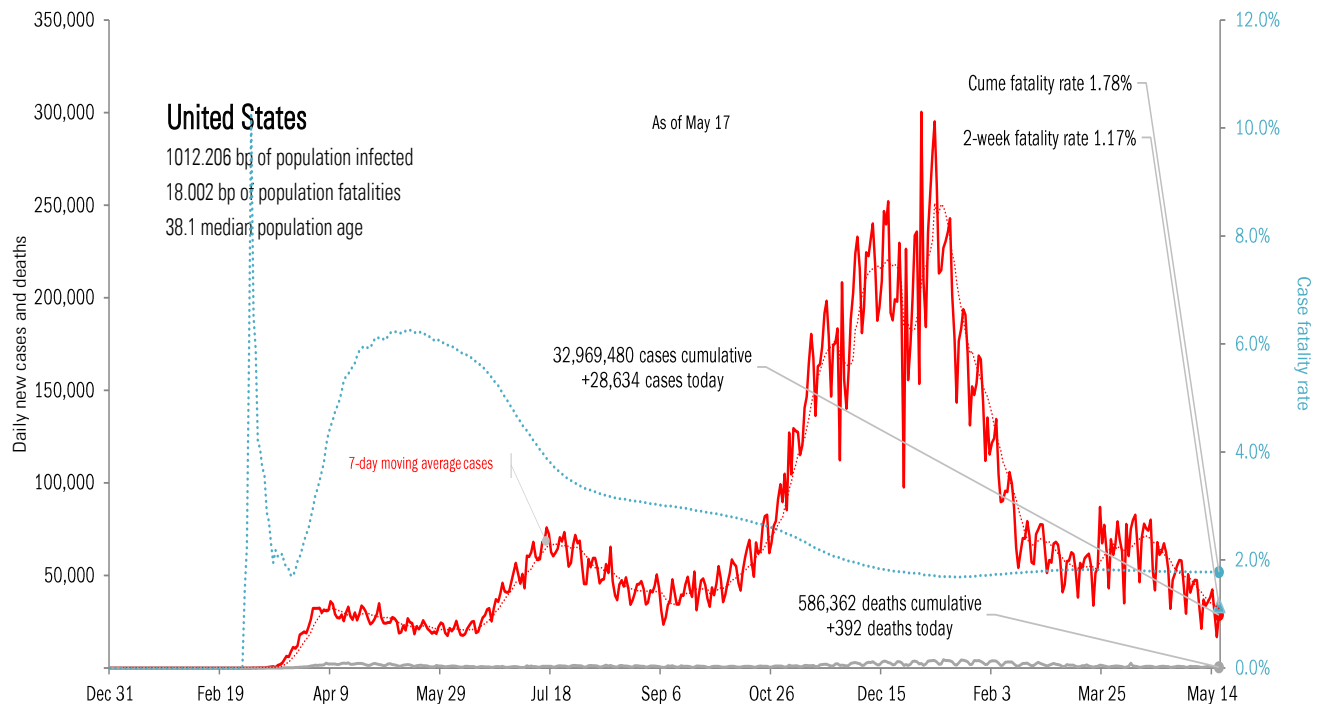
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NC	+2,618		FL	+58		MN	+28		CA	3,769,827		CA	62,699		TX	244,459		R	92%	MI	23%
MI	+2,576		NY	+36		NV	+11		TX	2,931,500		NY	52,989		CA	233,543		MA	83%	CO	17%
TX	+2,450		PA	+34		WI	+11		FL	2,293,980		TX	50,972		FL	175,123		MD	82%	MD	15%
FL	+1,976		TX	+31		AL	+8		NY	2,086,836		FL	36,133		NY	132,106		PA	81%	MN	15%
PA	+1,474		NC	+29		UT	+7		IL	1,367,126		PA	26,798		GA	104,915		MO	80%	WA	14%
NY	+1,359		MA	+22		NC	+6		PA	1,188,272		NJ	25,975		PA	87,812		CT	79%	ME	14%
TN	+1,300		MI	+22		RI	+5		GA	1,116,008		IL	24,801		CH	83,908		FL	78%	WV	14%
LA	+1,113		CT	+21		AZ	+4		CH	1,091,623		GA	20,506		IL	78,829		DC	78%	MO	13%
CA	+1,022		WA	+18		ME	+3		NJ	1,011,106		MI	19,812		KY	74,032		GA	78%	ND	12%
IL	+947		TN	+15		MS	+3		NC	991,956		CH	19,528		MI	69,526		MN	78%	GA	12%
+16,835			+286			+86			17,848,234			340,213			1,284,253						
All states	+28,634		+392			-531			All states	32,969,480		586,362			2,302,479			All states	70%	67%	
Top ten	59%		73%			-16%			Top ten	54%		58%			56%			Median	72%	9%	

Some states not reporting

Five most improved US states

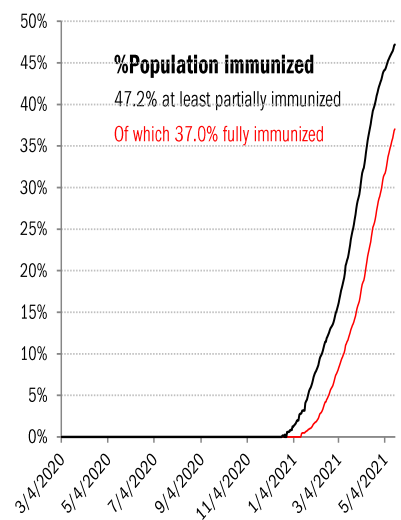
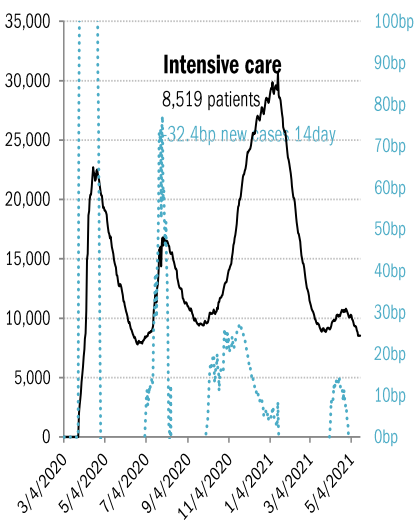
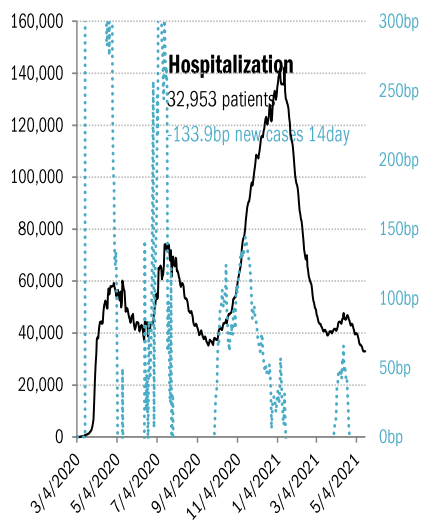
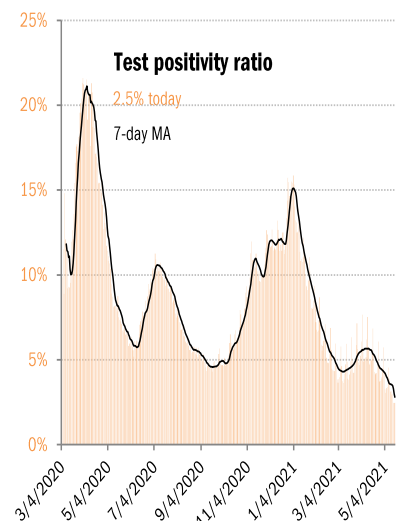
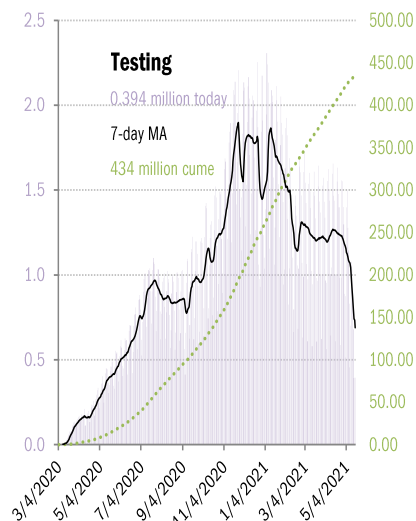
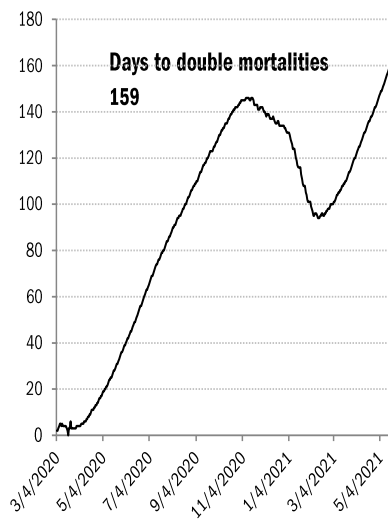
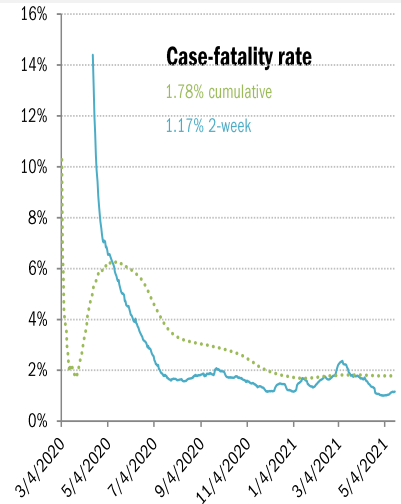
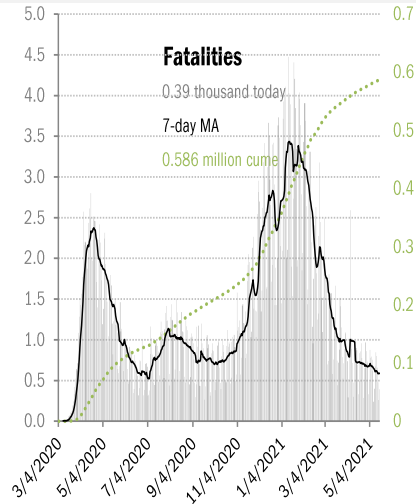
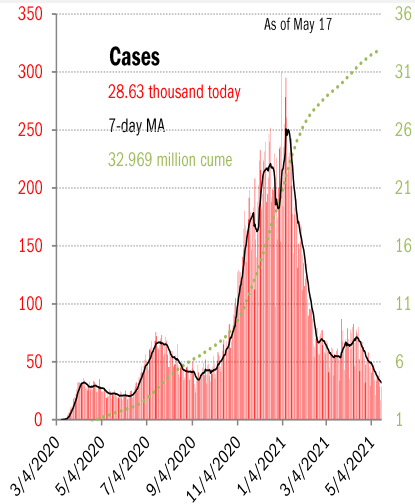
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-506	CA	-25	NM	-156	DC	+99 bp
NY	-495	IL	-19	TX	-71	HI	+87 bp
IL	-313	PA	-18	GA	-70	NE	+77 bp
OR	-305	SC	-14	CA	-36	RI	+68 bp
MA	-282	MN	-10	KS	-28	VT	+60 bp



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

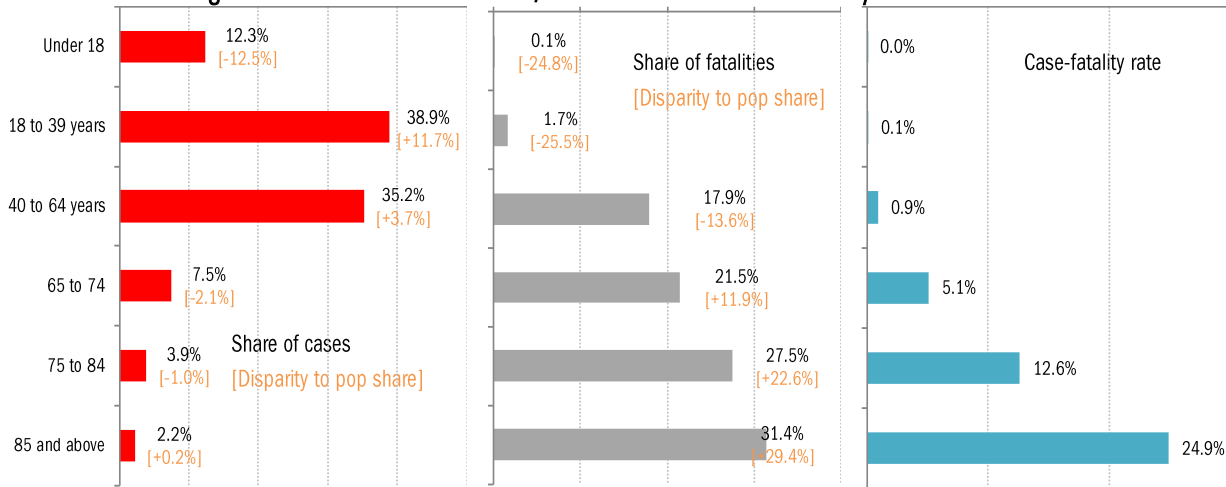
US deep-dive

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

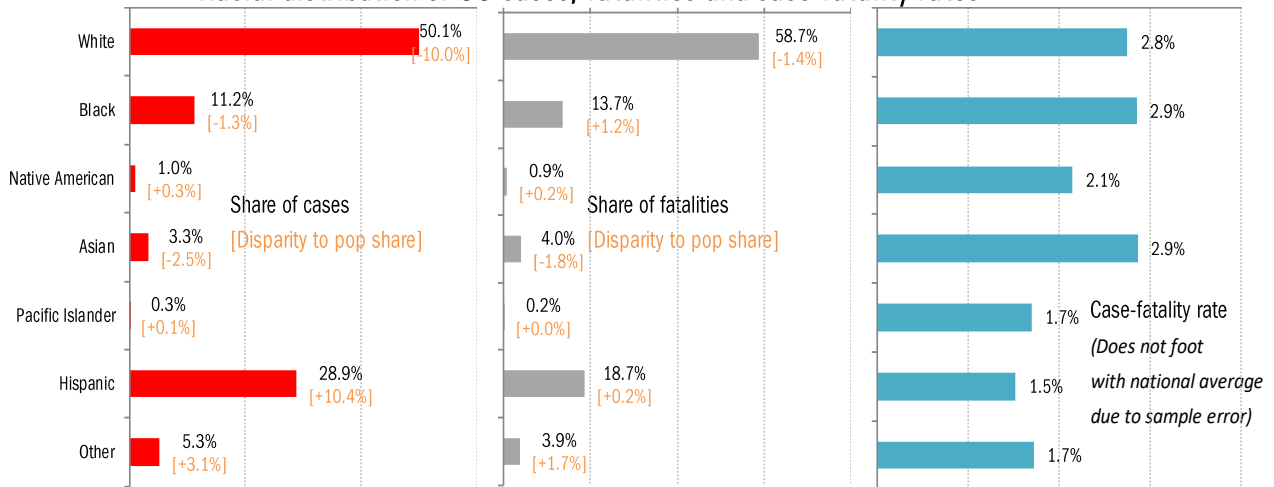


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

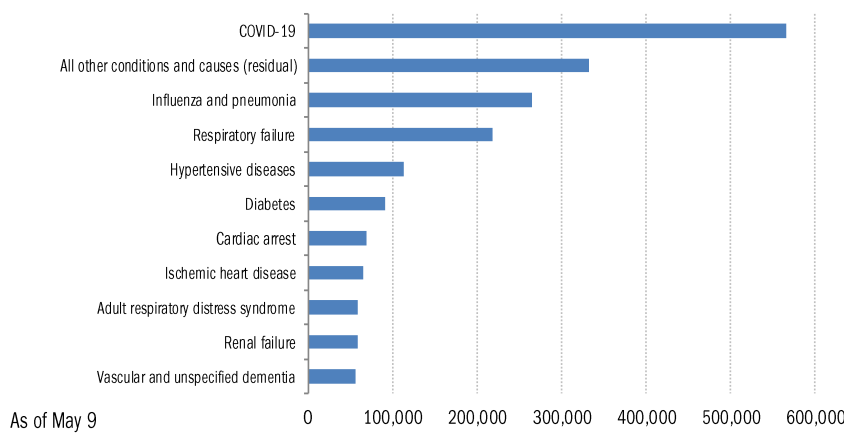


Racial distribution of US cases, fatalities and case-fatality rates



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

[Covid-19 Vaccine Works, Even if Side Effects Differ for All, Doctors Say](#)

Peter Loftus
Wall Street Journal
May 17, 2021

[U.S. Can Stop the Pandemic and Counter China](#)

Ben Sasse
Wall Street Journal
May 17, 2021

[Viral Visualizations: How Coronavirus Skeptics Use Orthodox Data Practices to Promote Unorthodox Science Online](#)

Crystal Lee et al.
CHI Conference on Human Factors in Computing Systems
May 13, 2021

[Biden to Send U.S.-Authorized Vaccines Abroad for First Time](#)

Josh Wingrove
Bloomberg
May 17, 2021

[Singapore Stops School Classes to Curb Virus Spread Among Kids](#)

Philip Heijmans and Harry Suhartono
Bloomberg
May 15, 2021

[SARS-CoV-2 Spike Protein Impairs Endothelial Function via Downregulation of ACE 2](#)

Yuyang Lei et al
Circulation Research
April 30, 2021

[Moderation on Masks Might Make More Get a Shot](#)

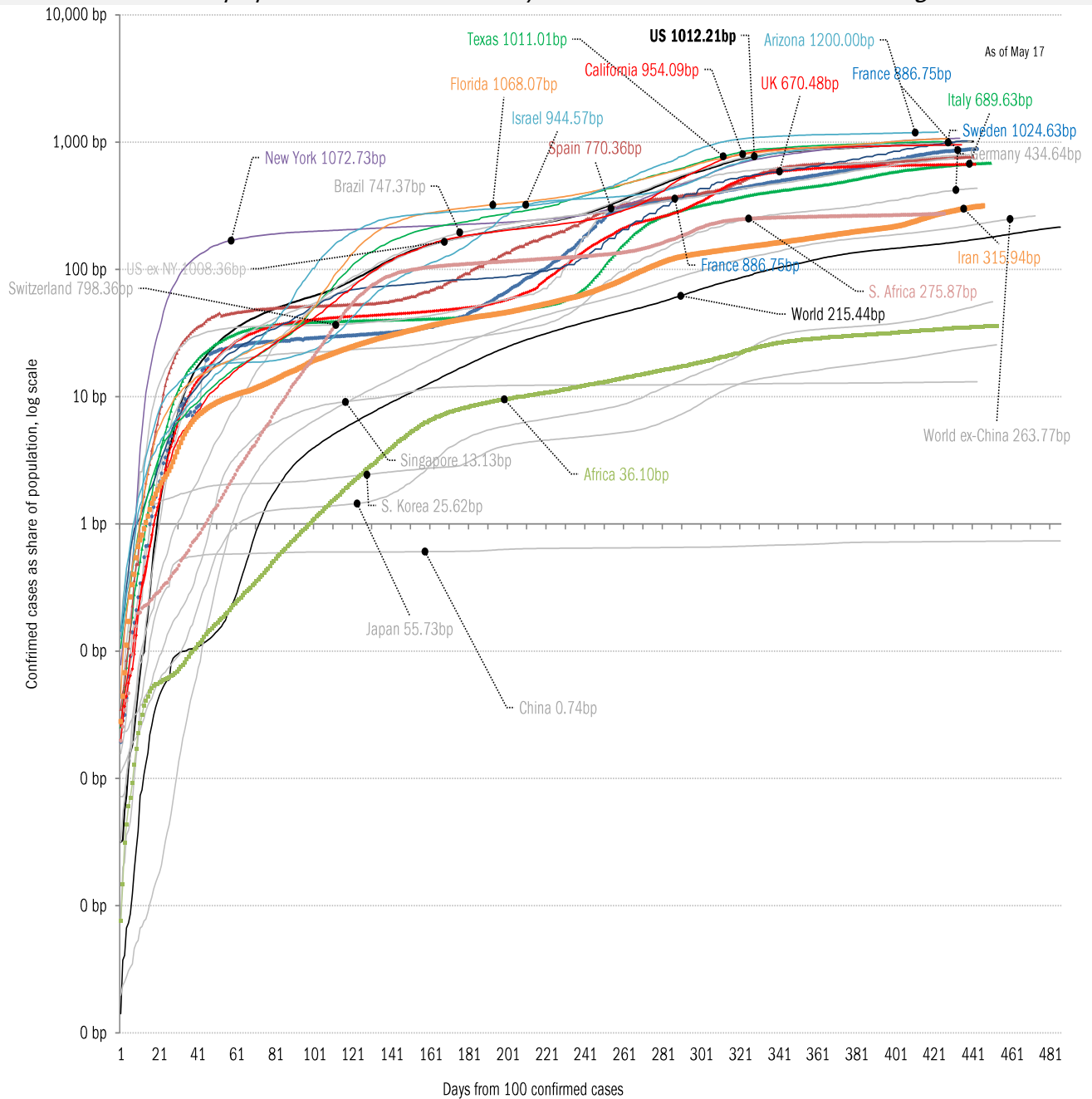
Scott Gottlieb
Wall Street Journal
May 16, 2021

Meme of the day



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

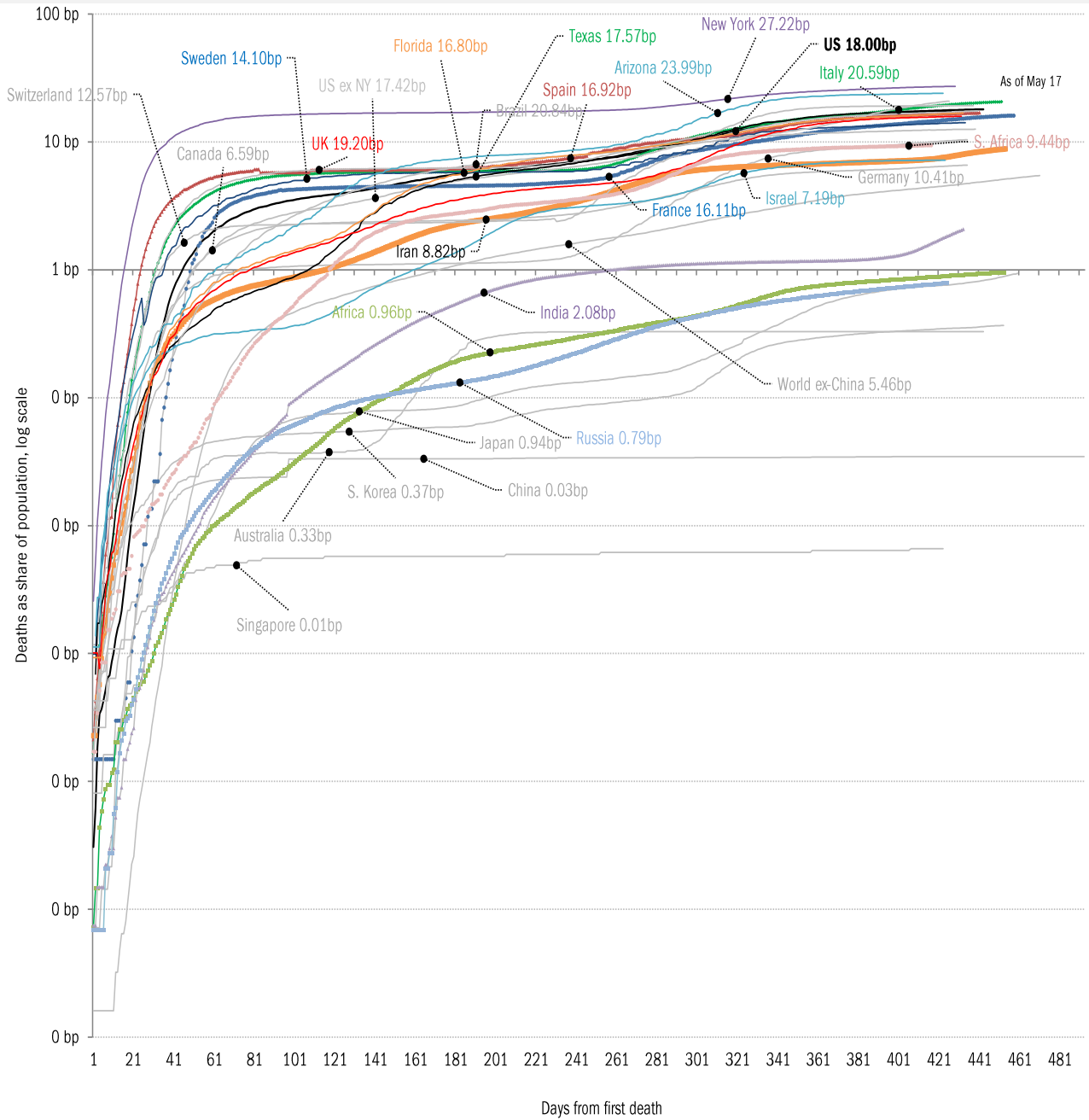
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

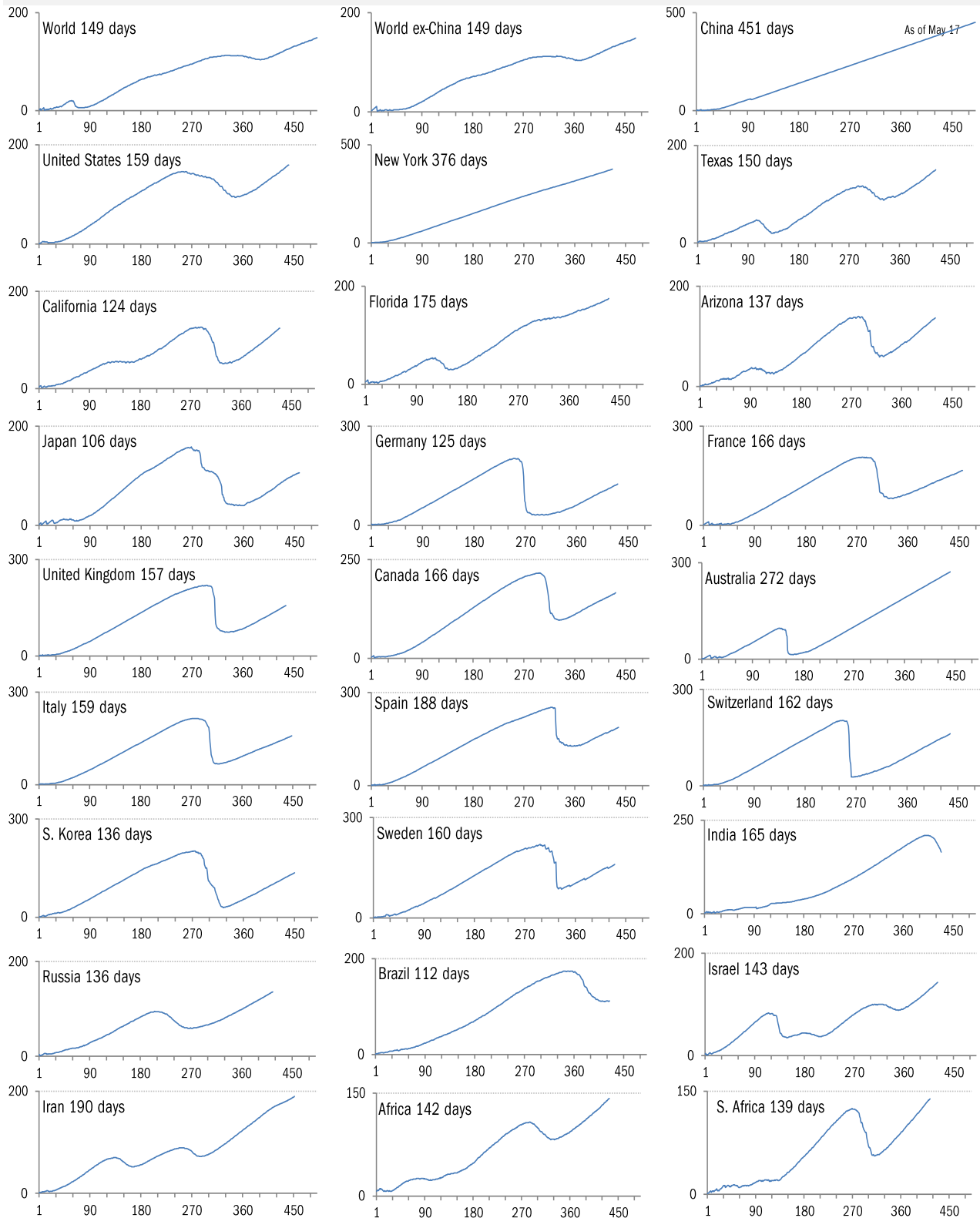


Source: [Johns Hopkins](#), TrendMacro calculations

"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

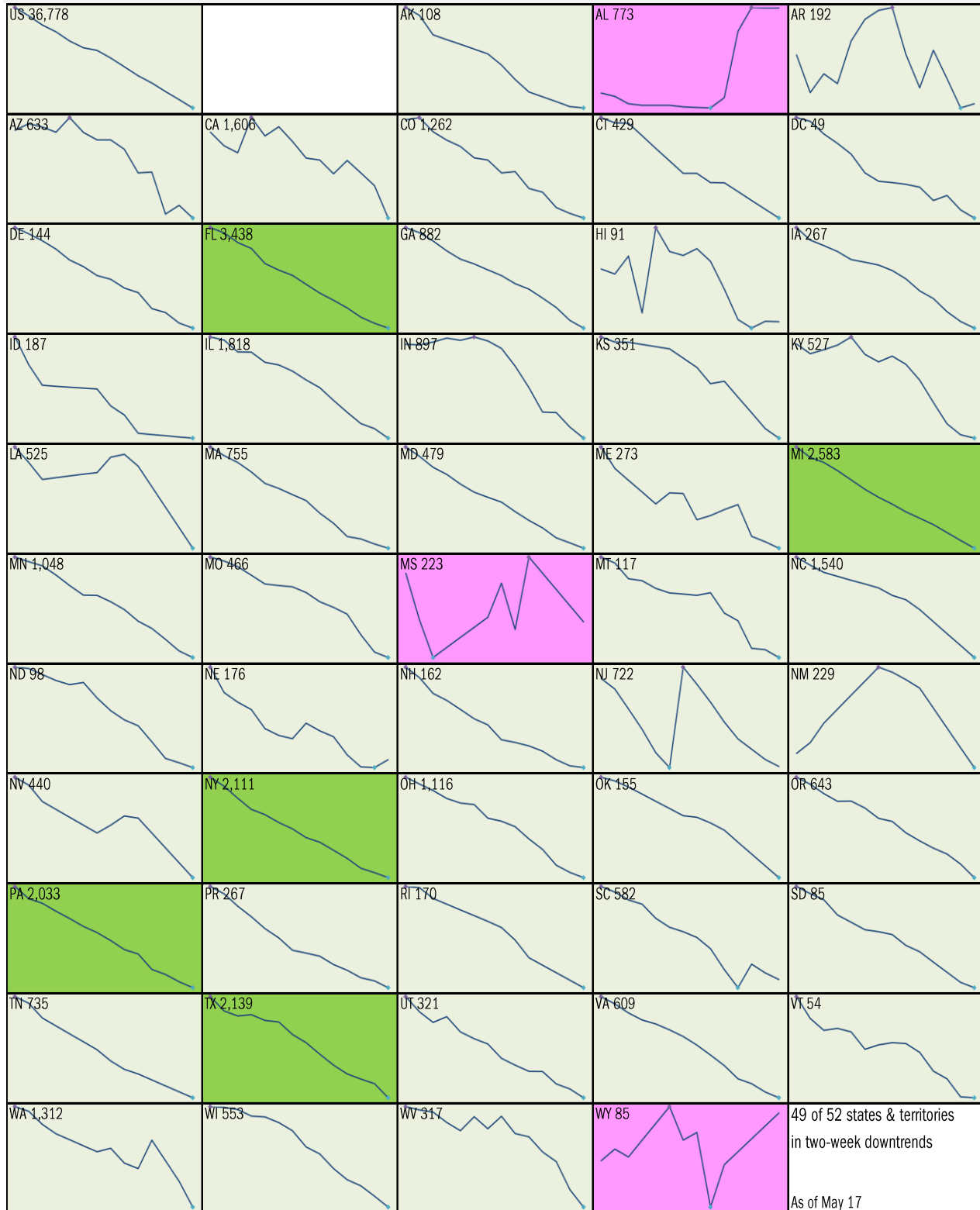


Source: [Johns Hopkins](#), TrendMacro calculations

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

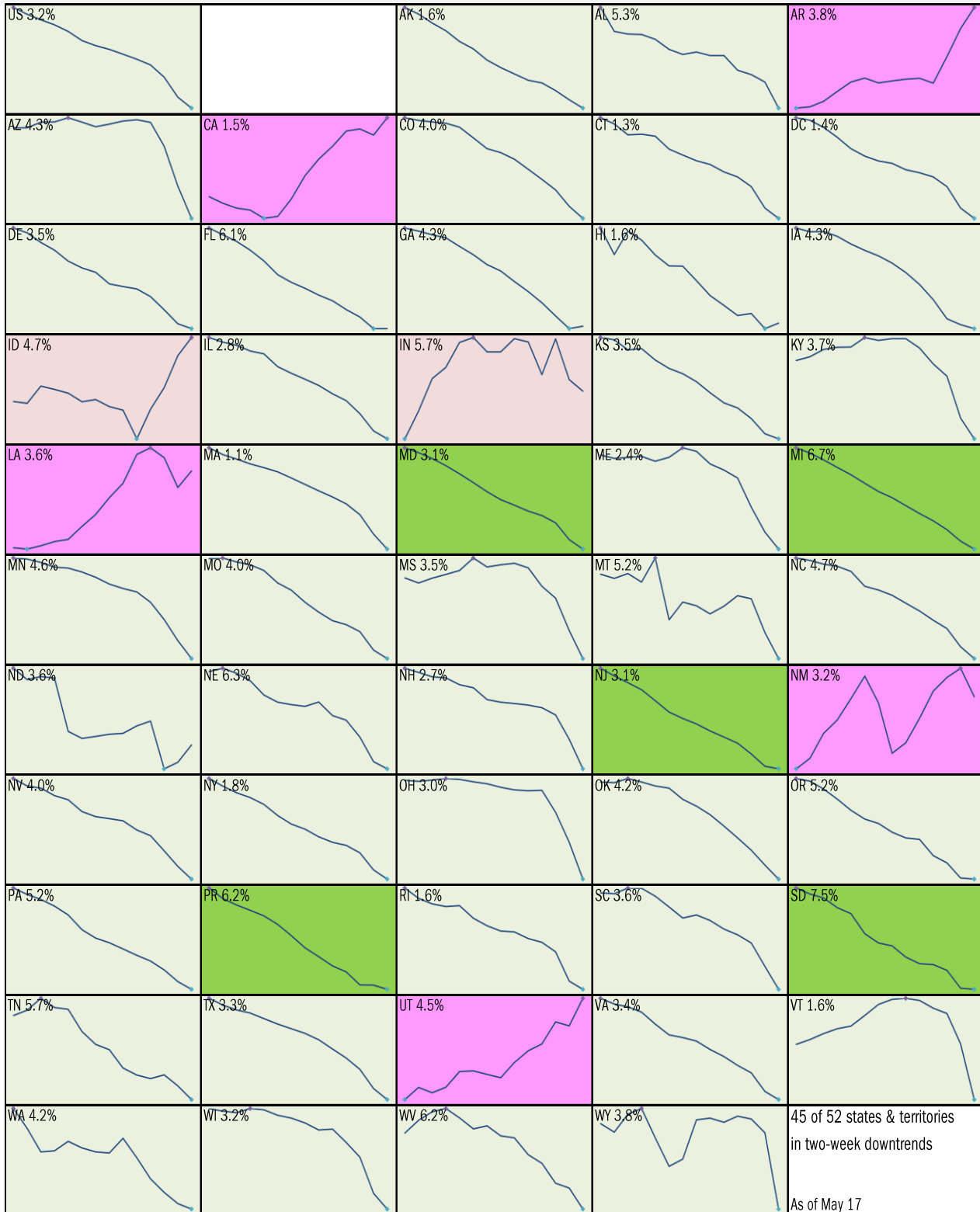


Source: [Johns Hopkins](#), TrendMacro calculations

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

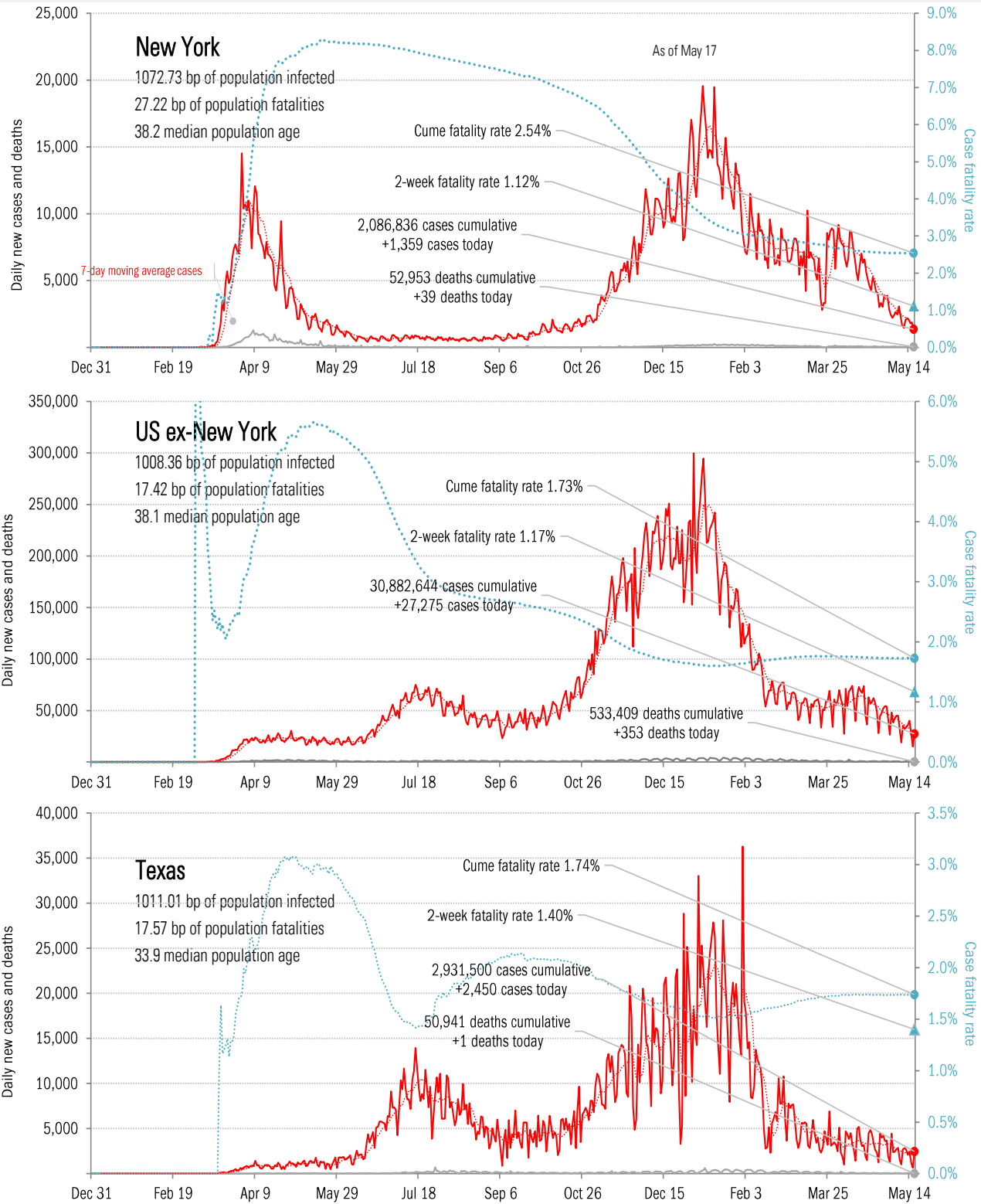
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



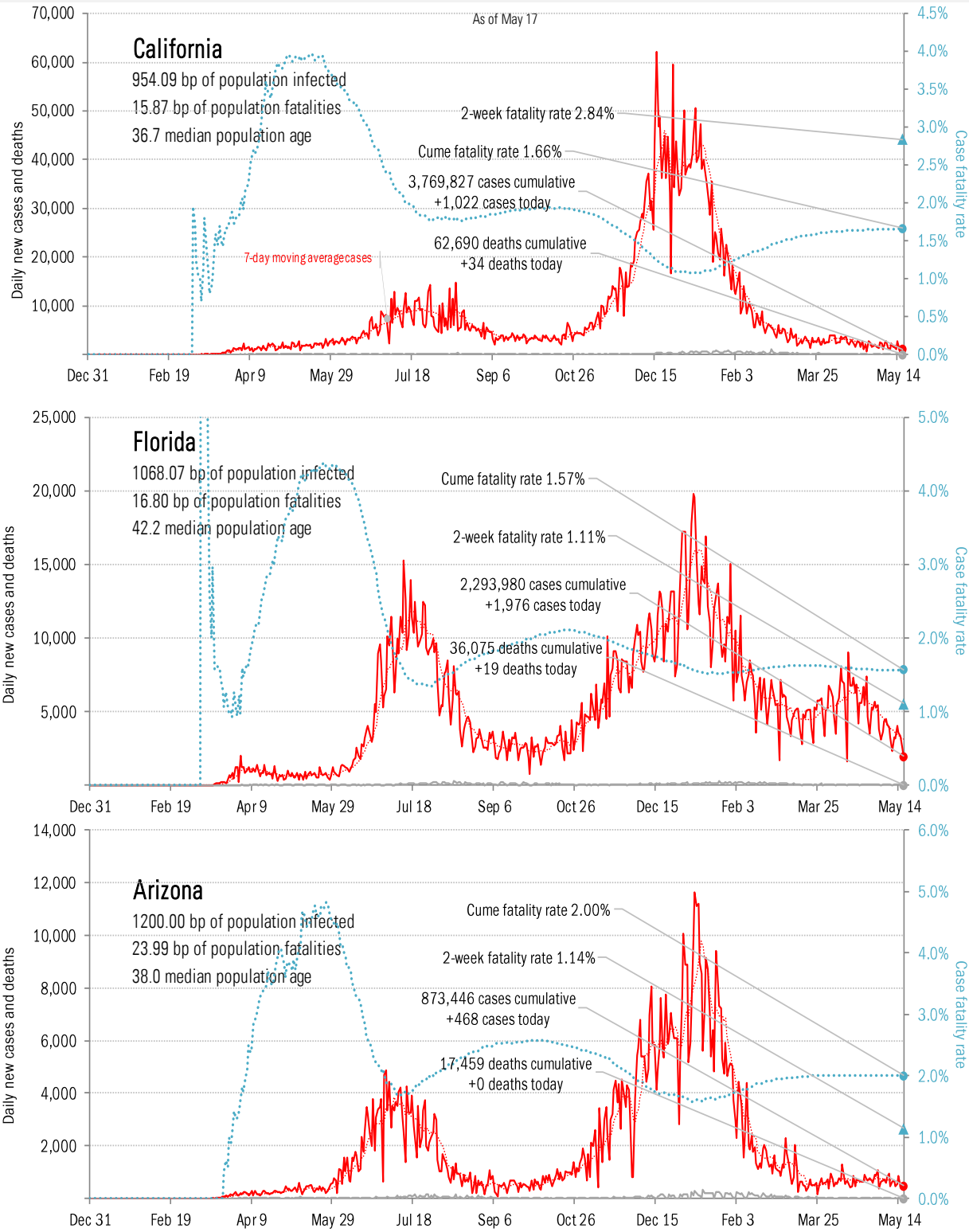
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



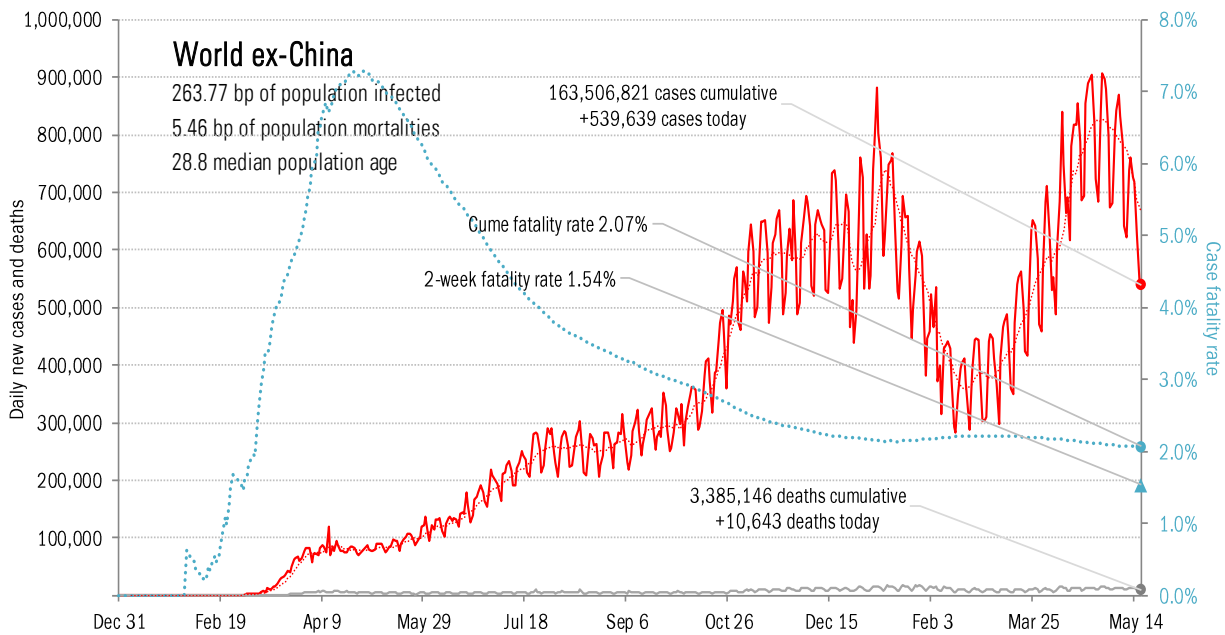
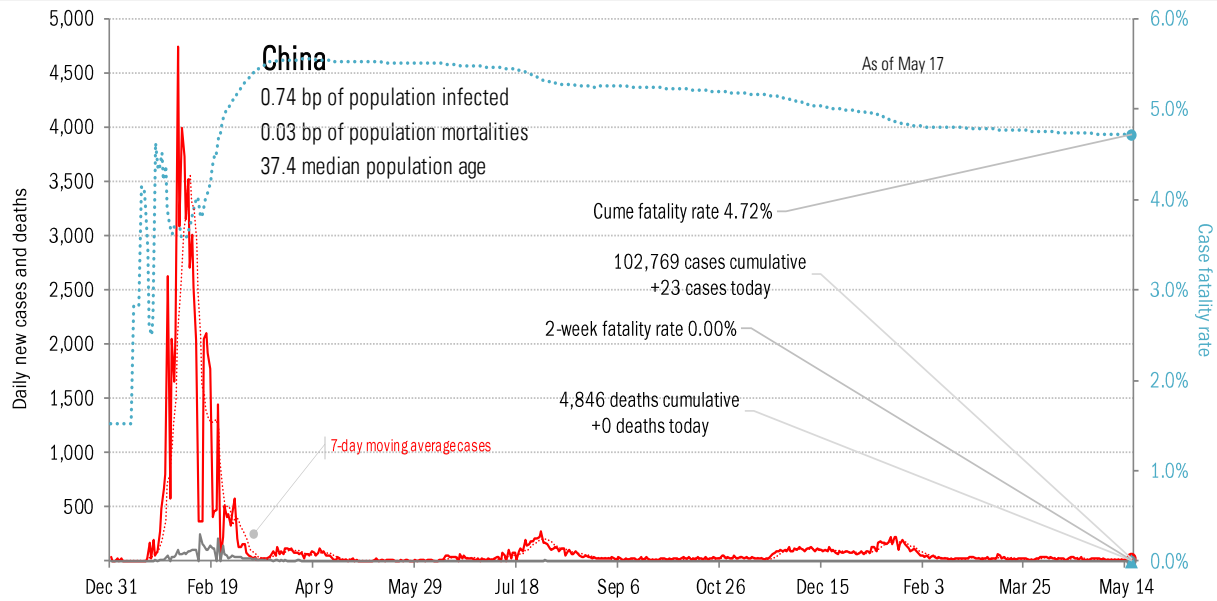
Source: [Johns Hopkins](#), TrendMacro calculations

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



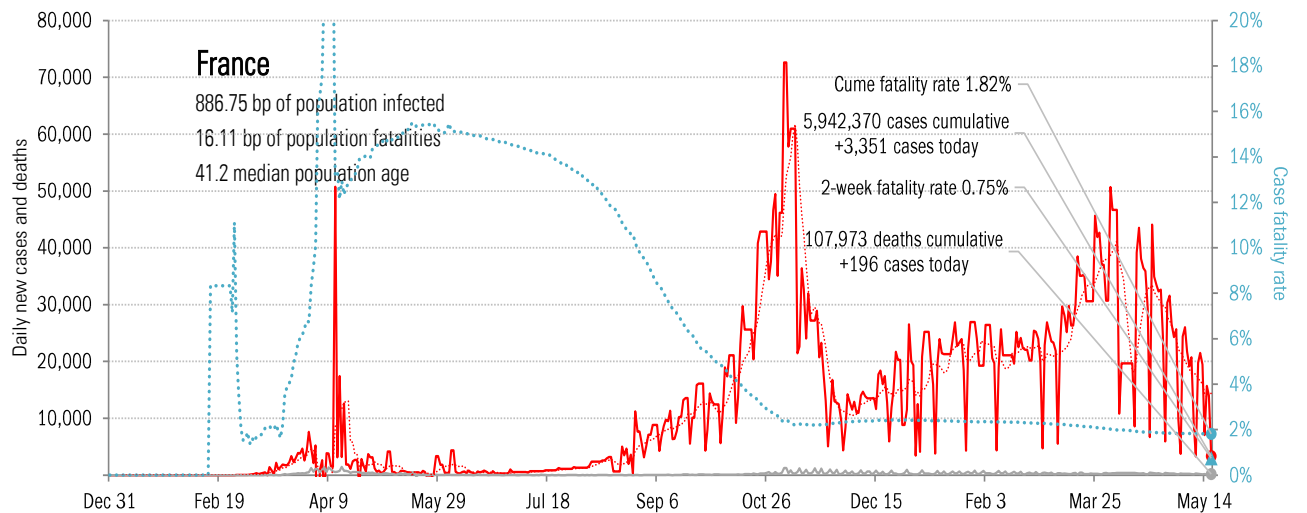
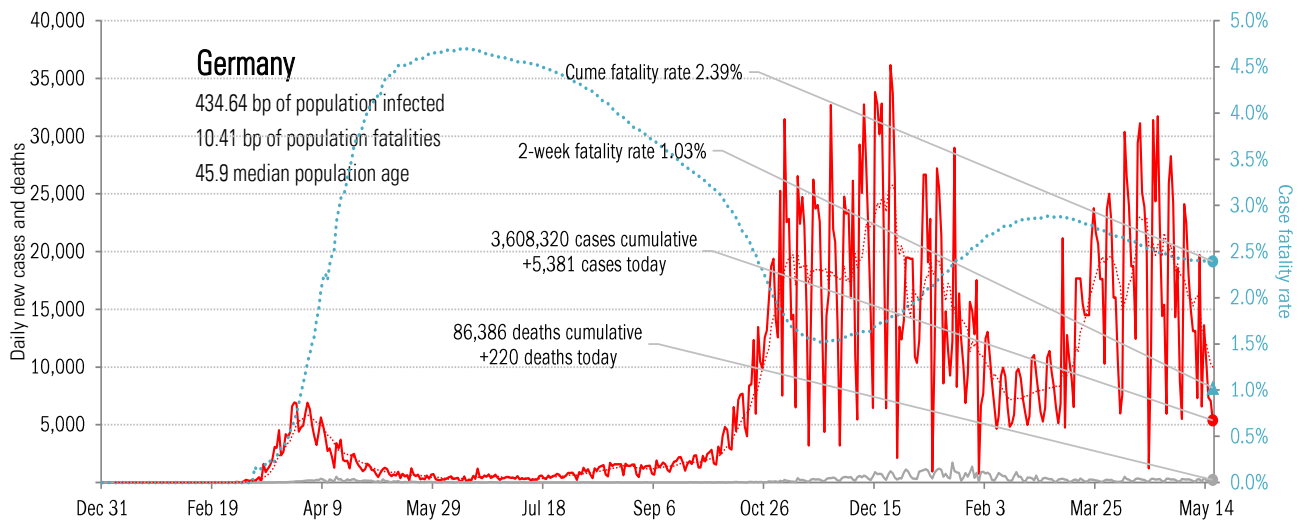
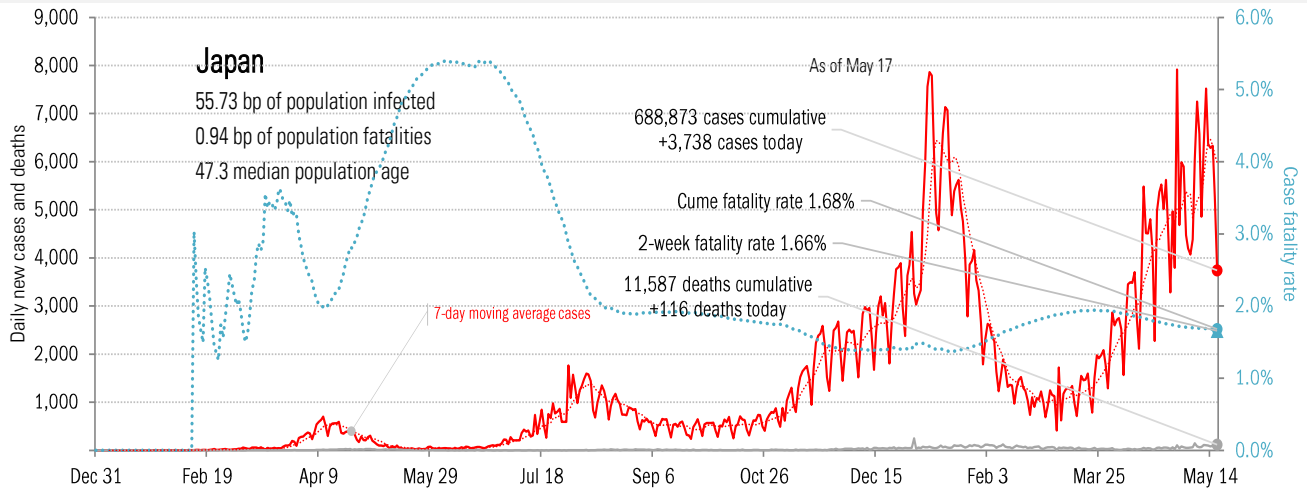
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



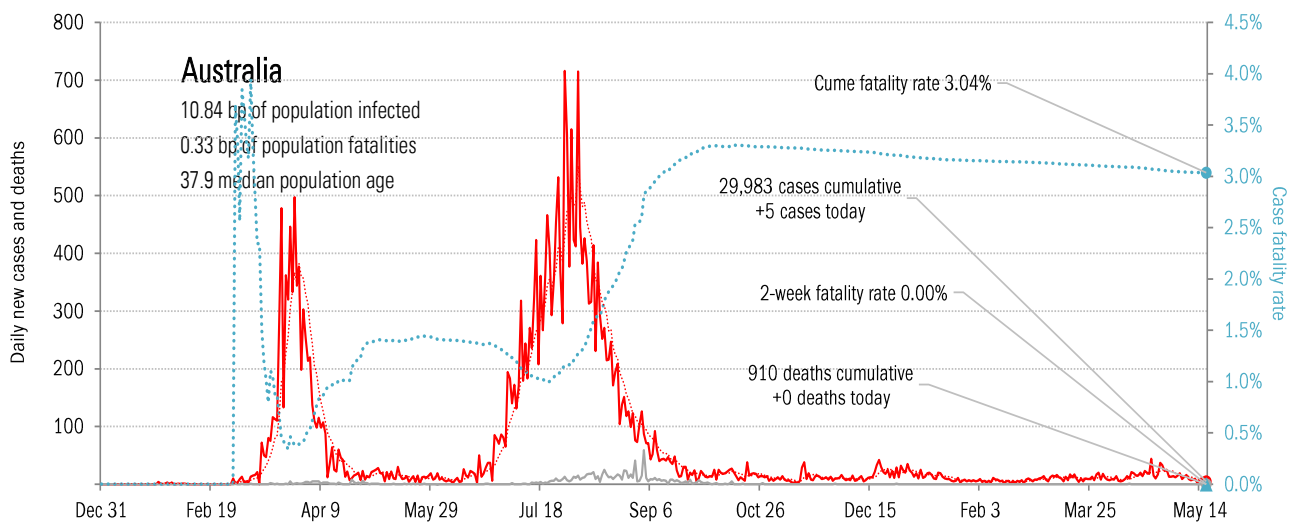
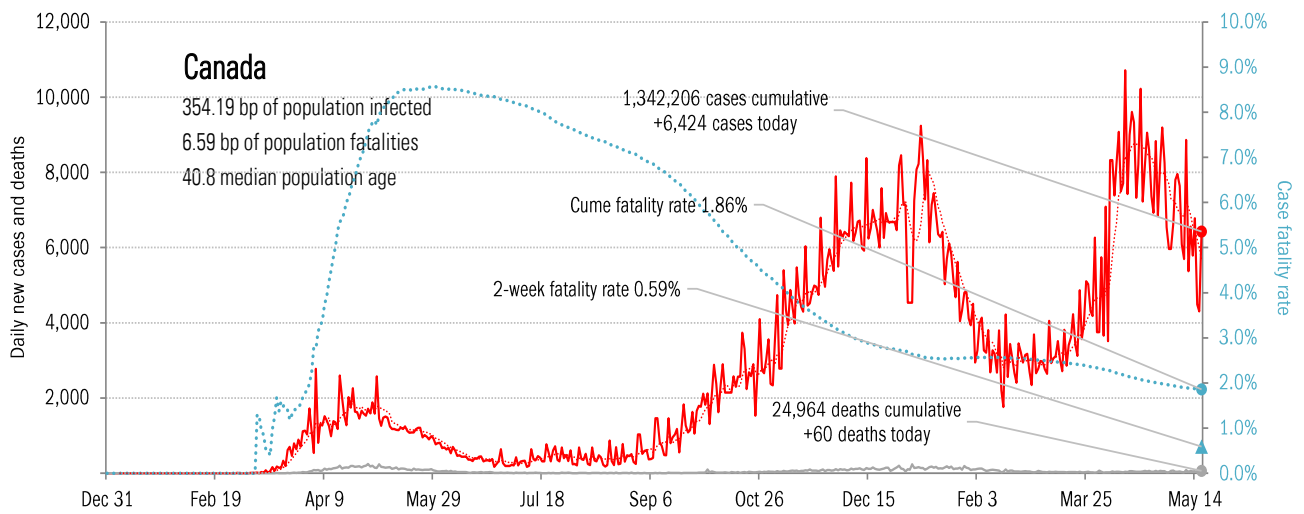
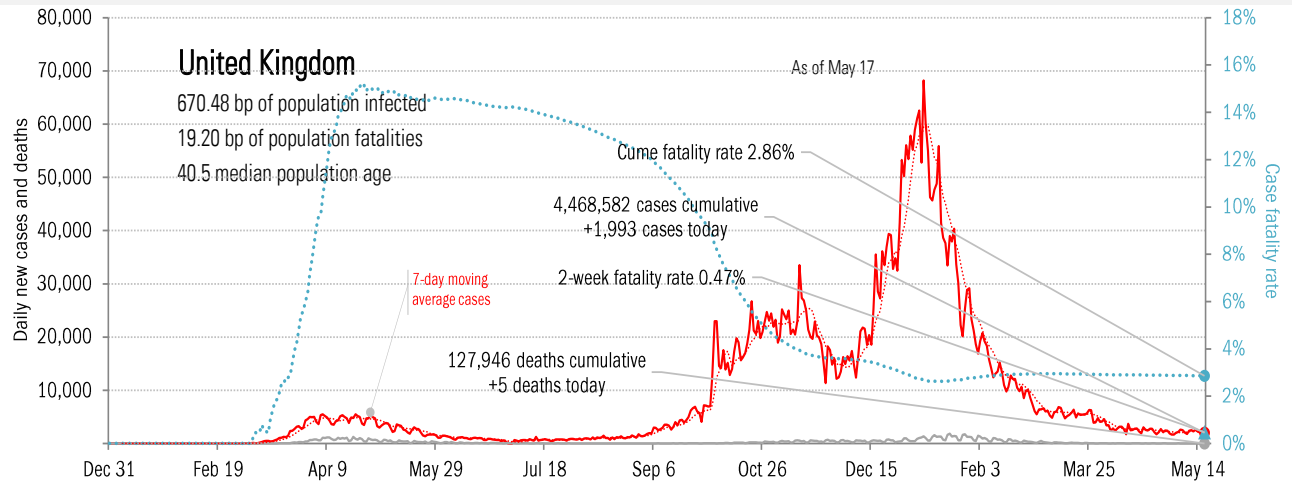
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



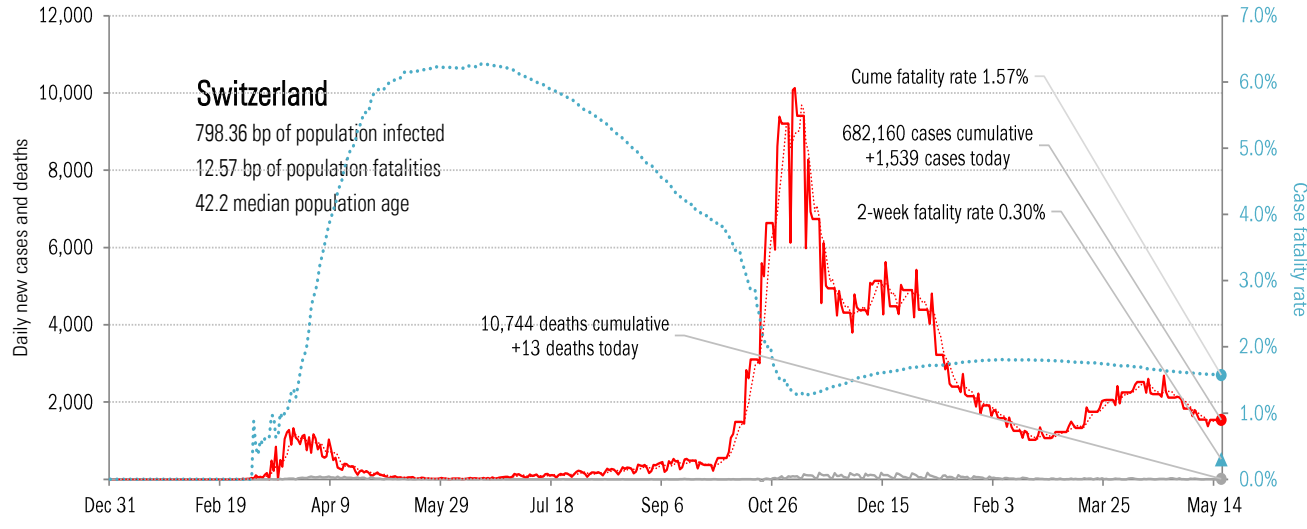
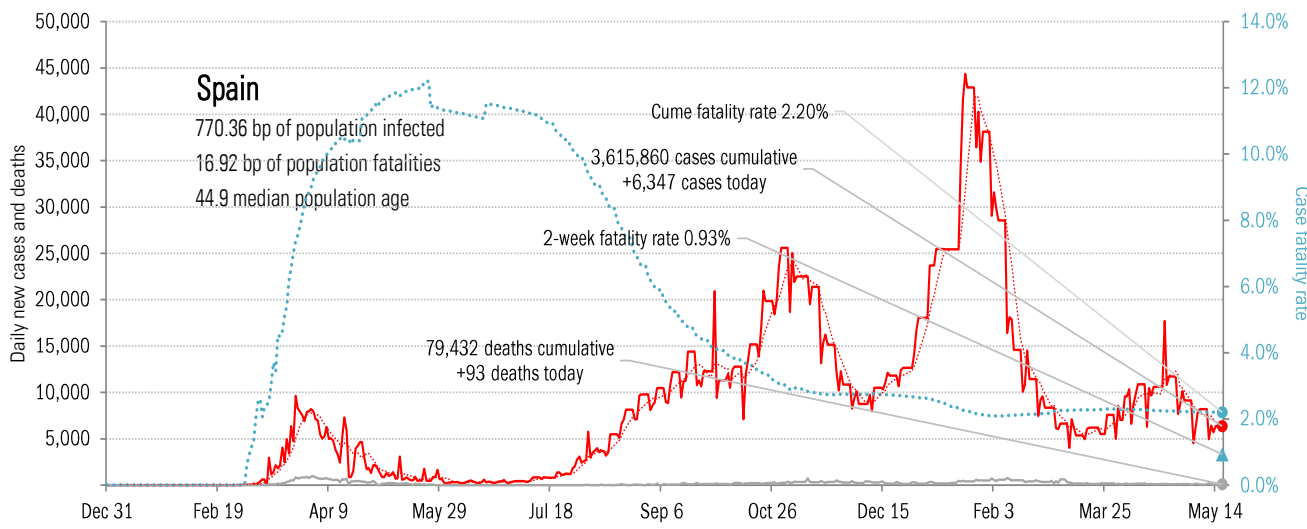
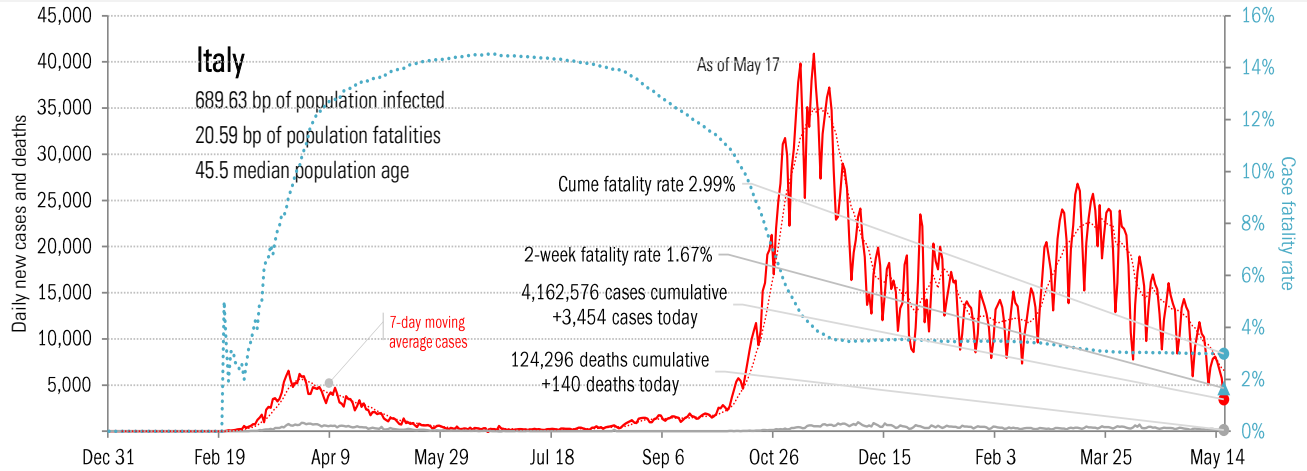
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



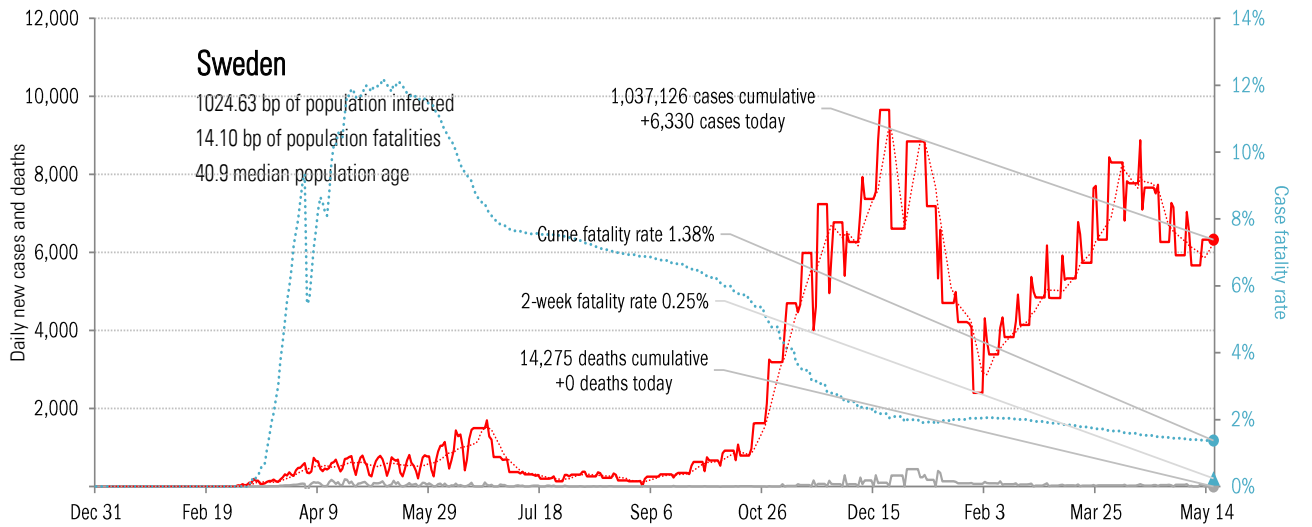
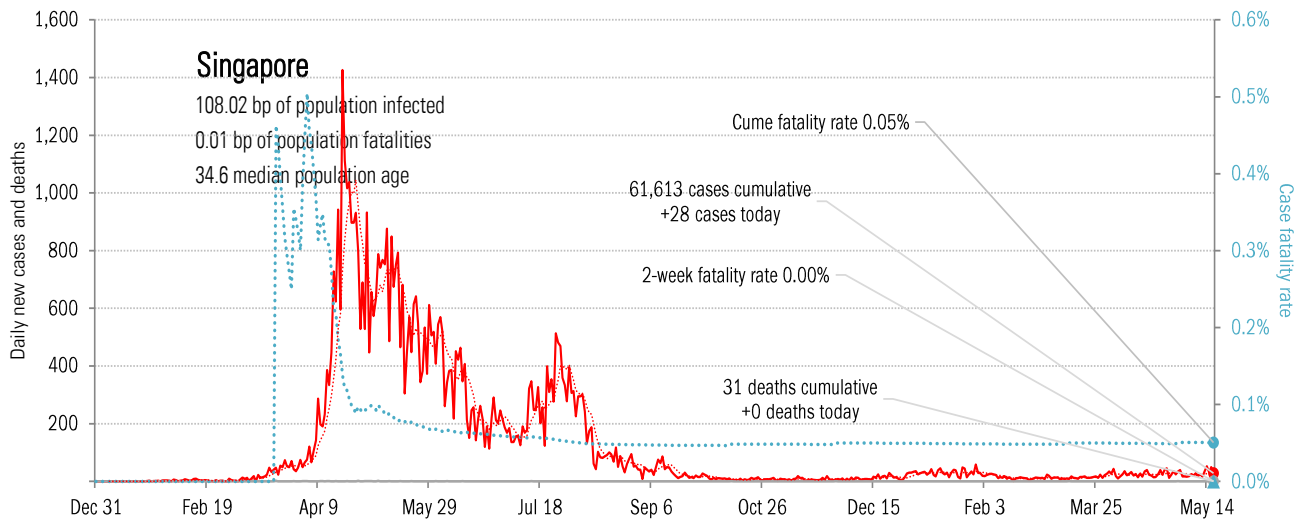
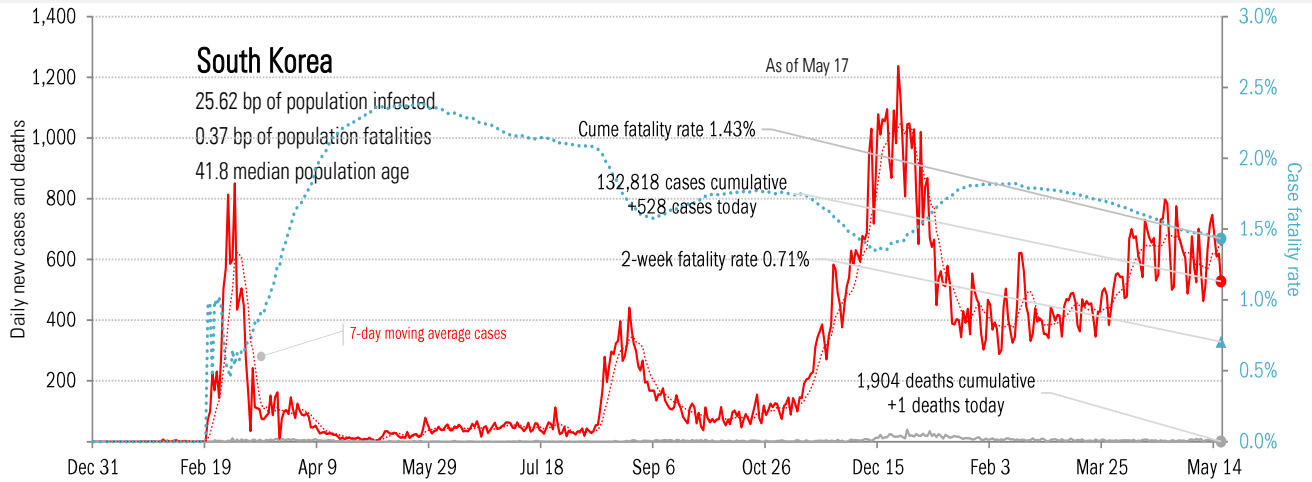
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



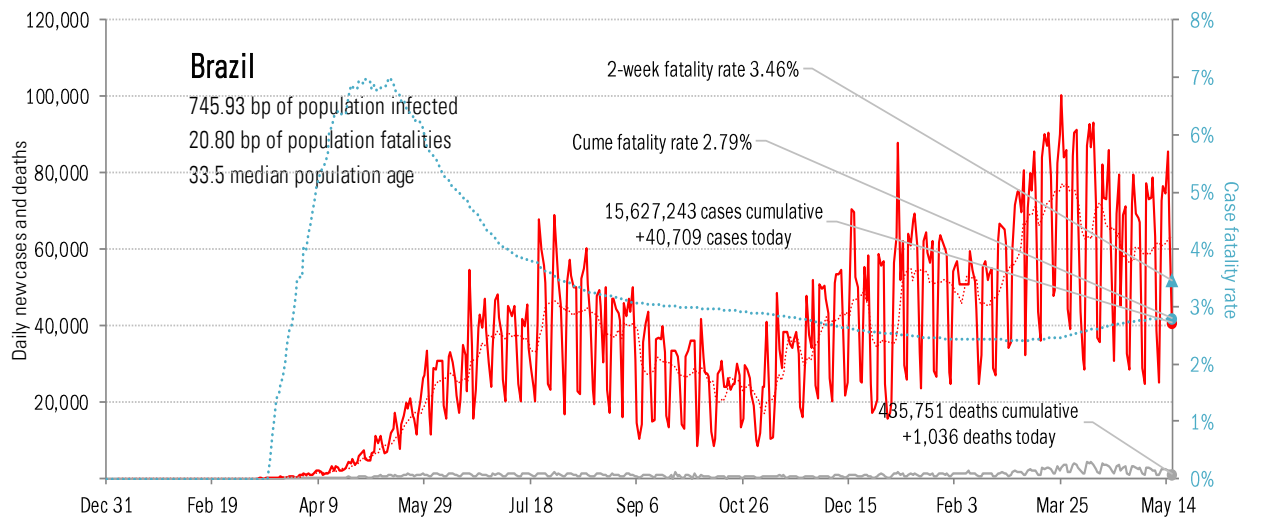
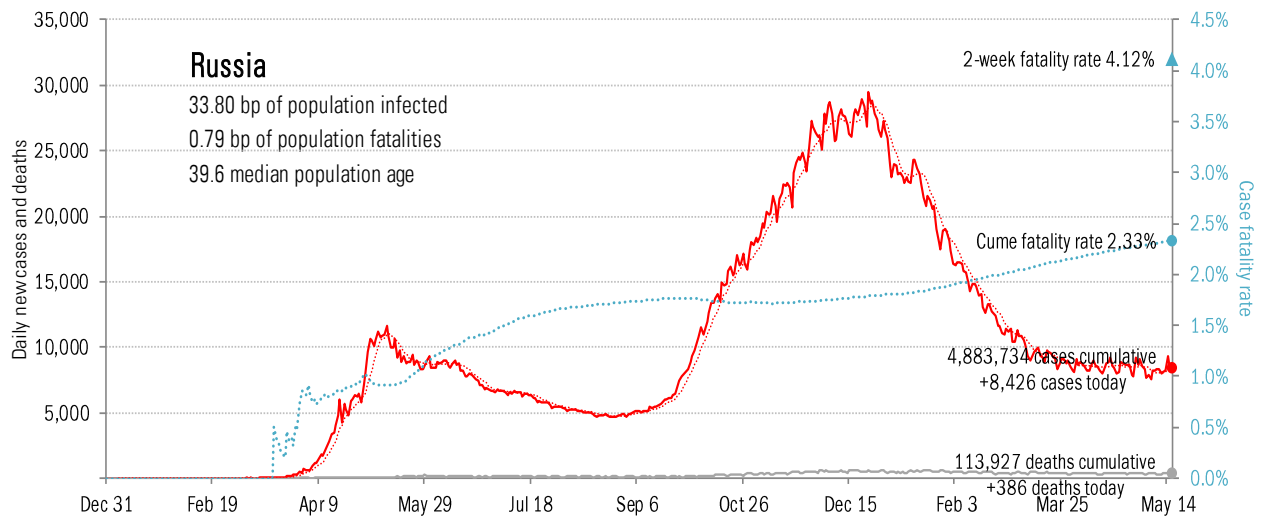
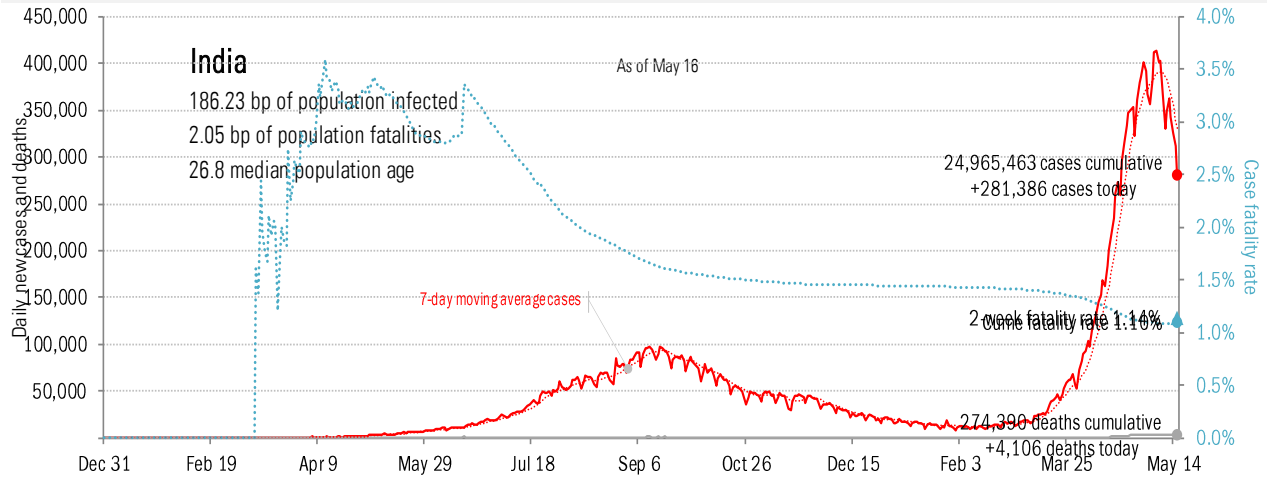
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



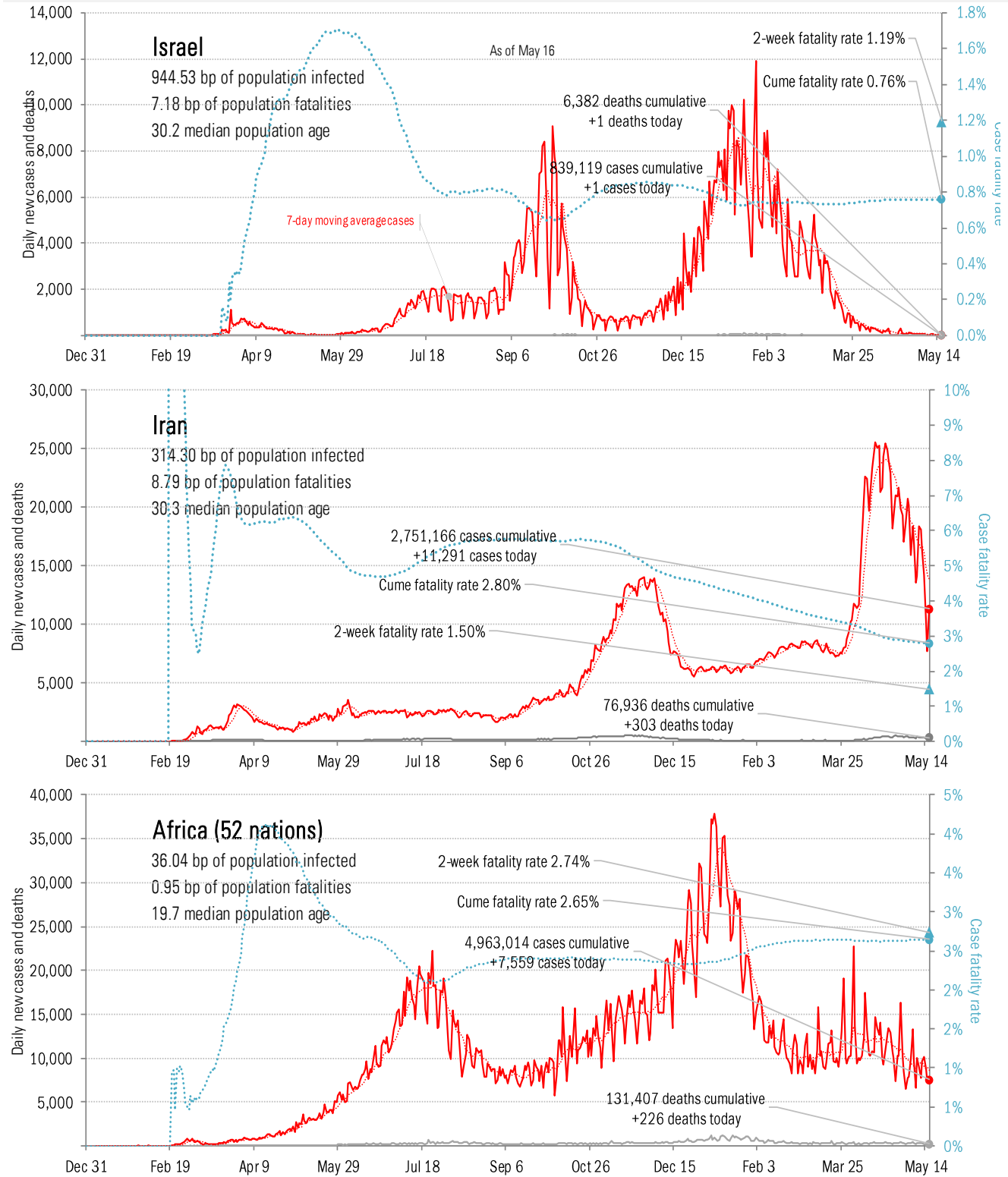
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



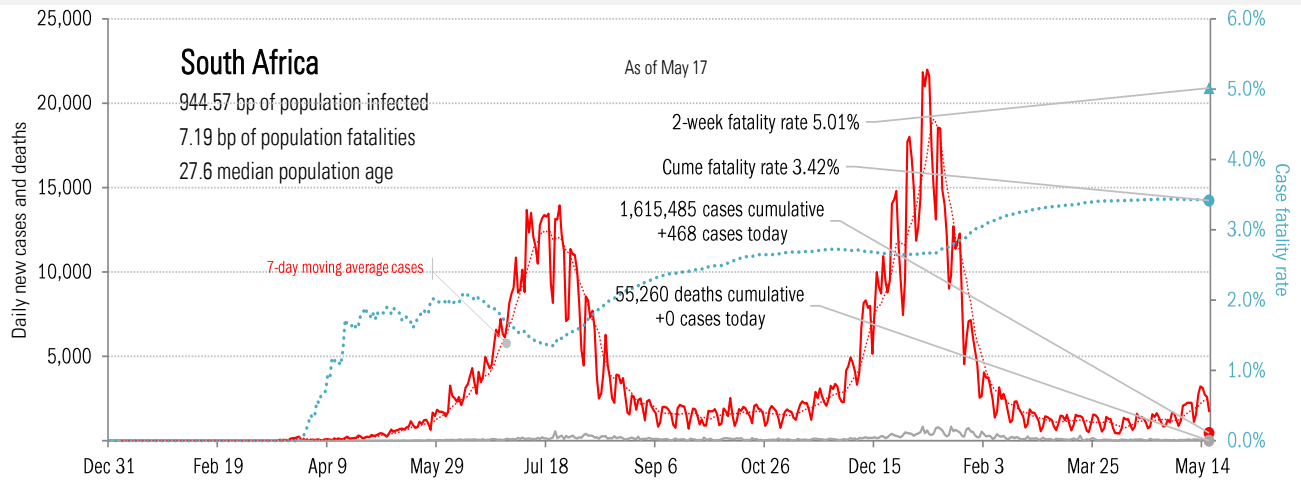
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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