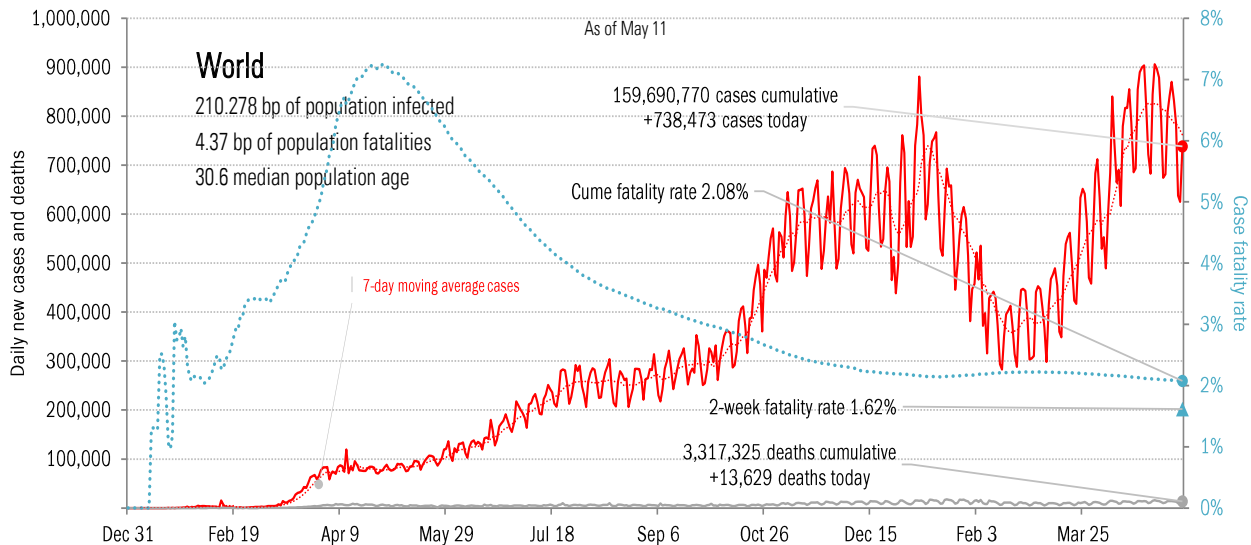
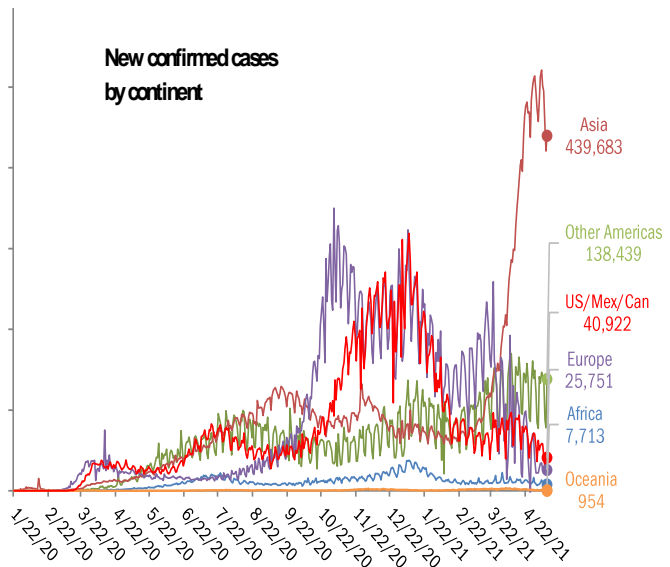


Data Insights: Covid-2019 Monitor

Wednesday, May 12, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+348,421	India	+4,205
Brazil	+72,715	Brazil	+2,311
United States	+33,651	United States	+684
Argentina	+25,976	Argentina	+490
France	+19,791	Colombia	+429
Germany	+19,696	Russia	+323
Iran	+18,133	Iran	+307
Colombia	+16,425	Poland	+302
Turkey	+14,497	Turkey	+278
Sweden	+13,812	Peru	+270
+583,117		+9,599	
World +738,473		World +13,629	
Top ten 79%		Top ten 70%	



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

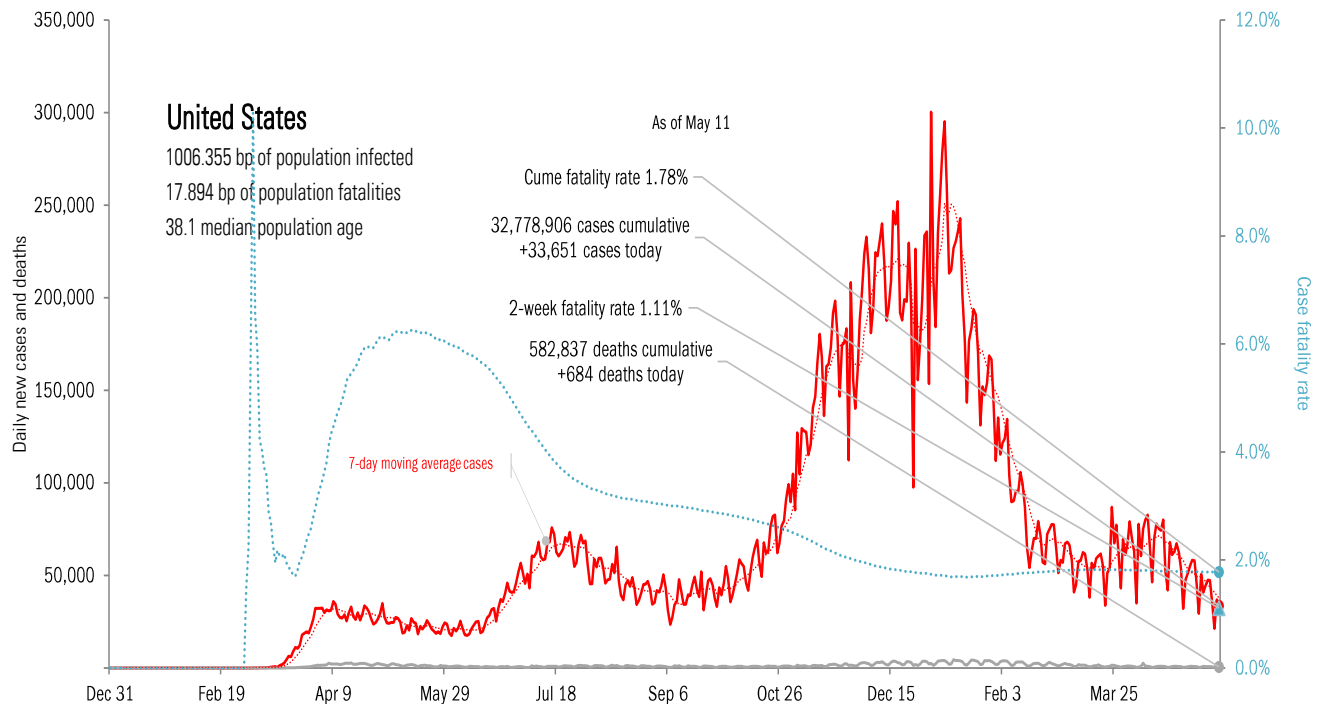
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+3,263		MI	+102		IL	+49		CA	3,761,779		CA	62,365		TX	242,383		R	88%	MI	27%
TX	+2,824		TX	+54		GA	+28		TX	2,920,043		NY	52,770		CA	232,240		MA	84%	ME	19%
MI	+2,668		FL	+48		CA	+14		FL	2,275,365		TX	50,719		FL	172,361		PA	83%	MD	19%
PA	+2,233		PA	+48		CO	+14		NY	2,075,539		FL	35,831		NY	130,736		MD	82%	CO	18%
IL	+1,544		NY	+41		CR	+14		IL	1,357,843		PA	26,574		GA	103,963		MI	81%	MN	16%
CA	+1,476		CA	+31		CH	+12		PA	1,178,083		NJ	25,841	#N/A	0	CT	81%	WA	15%		
NY	+1,460		NJ	+31		KY	+10		GA	1,111,376		IL	24,617		CH	169,493		MO	80%	RI	14%
CH	+1,411		IL	+27		NC	+8		CH	1,085,733		GA	20,391		IL	77,815		FL	79%	PA	14%
CO	+1,284		GA	+23		NH	+7		NJ	1,008,607		MI	19,513		KY	73,238		GA	79%	IL	14%
WA	+1,225		KY	+23		WI	+7		NC	984,950		CH	19,441		MI	68,014		DC	79%	ID	14%
+19,388			+428			+163			17,759,318			338,062			1,270,243						
All states	+33,651		+684			-205			All states	32,778,906		582,837			2,277,129			All states	70%	67%	
Top ten	58%		63%			-80%			Top ten	54%		58%			56%			Median	72%	10%	

Some states not reporting

Five most improved US states

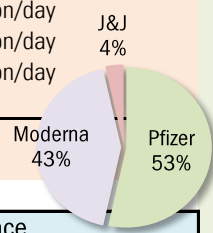
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NC	-3,054	MA	-16	LA	-130	UT	+173 bp
TN	-961	CT	-15	AZ	-51	ME	+164 bp
CA	-690	WA	-15	MO	-32	RI	+81 bp
MN	-615	FR	-10	TN	-28	ID	+72 bp
CK	-582	NM	-6	AR	-26	DC	+57 bp



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

Rolling out the vaccines in the US and the world

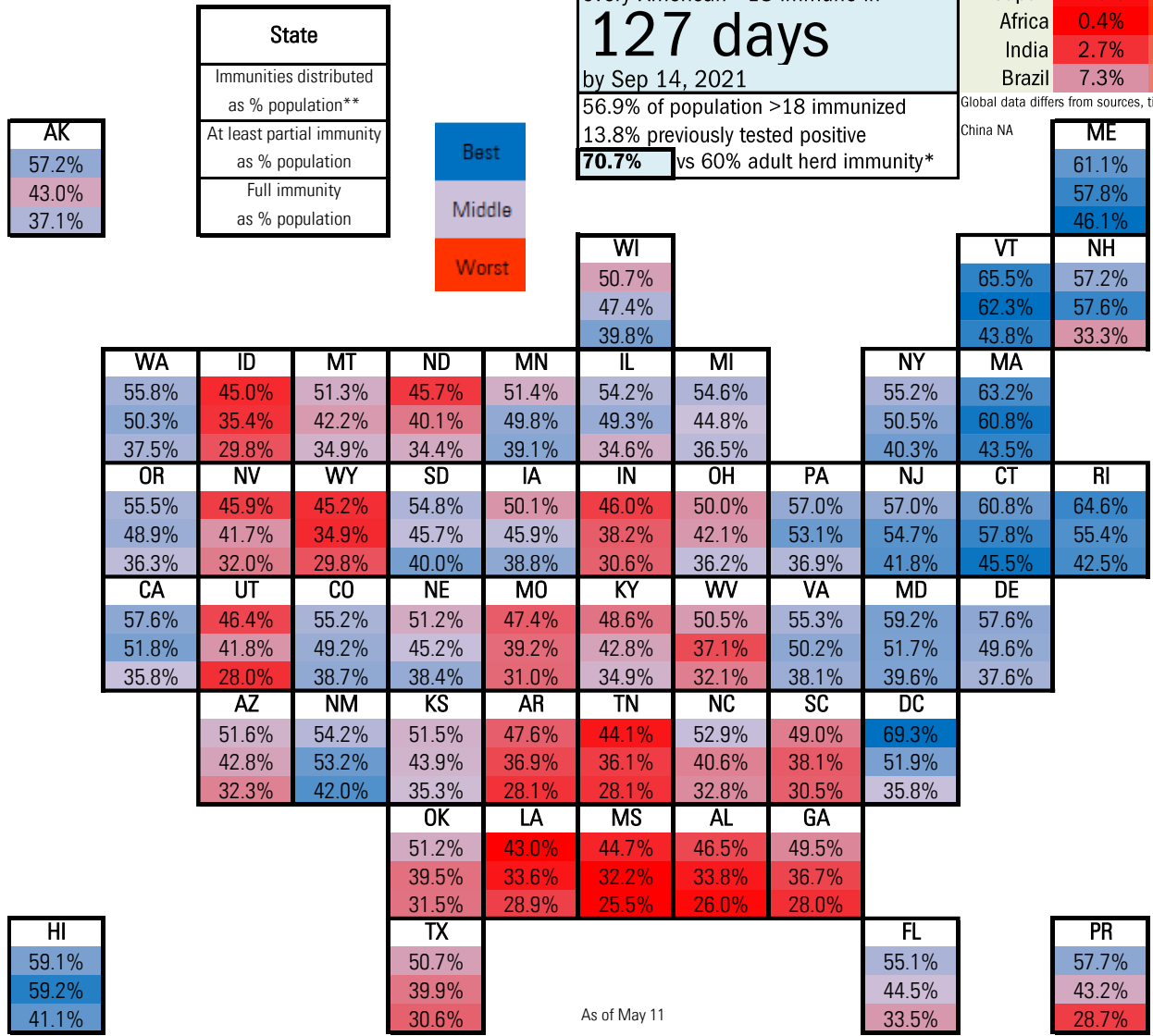
US overall	Over last day	Immunity	Full	Partial
346.22 million doses distributed	+4.30 million/day	US	34.9%	45.9%
271.70 million doses administered	+1.54 million/day	UK	26.7%	52.4%
157.73 million persons partially immunized	+0.63 million/day	France	12.0%	26.9%
120.20 million persons fully immunized	+1.05 million/day	Spain	13.5%	30.0%
		Germany	9.6%	33.1%
		Italy	12.7%	28.7%
		Australia	1.8%	0.6%
		Israel	58.8%	62.7%
		Canada	3.4%	40.5%
		Japan	1.0%	2.9%
		Africa	0.4%	1.1%
		India	2.7%	9.9%
		Brazil	7.3%	15.4%



78.5% of distributed doses administered
47.2% of US pop partial 36.0% full immunity

At today's dosing pace,
every American >18 immune in
127 days
by Sep 14, 2021
56.9% of population >18 immunized
13.8% previously tested positive
70.7% vs 60% adult herd immunity*

Global data differs from sources, timing

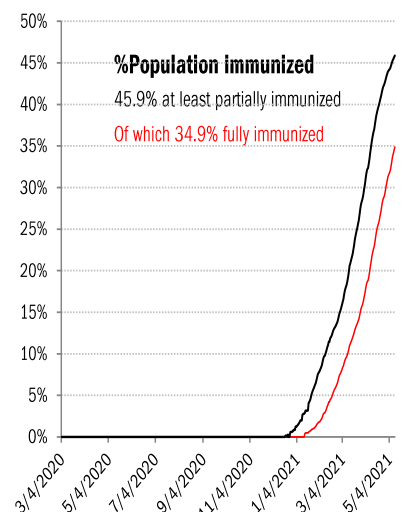
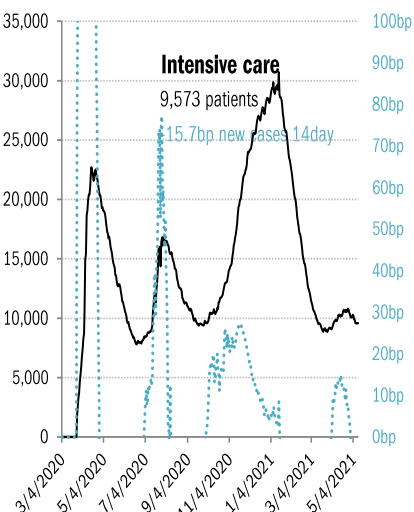
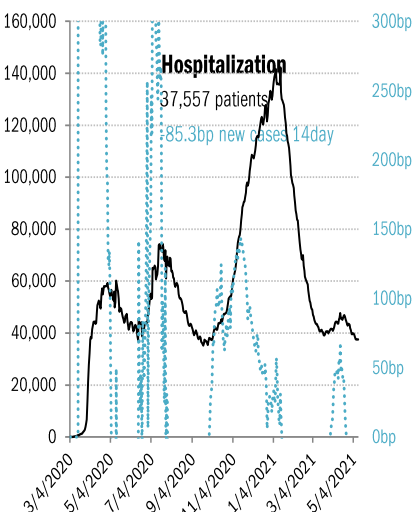
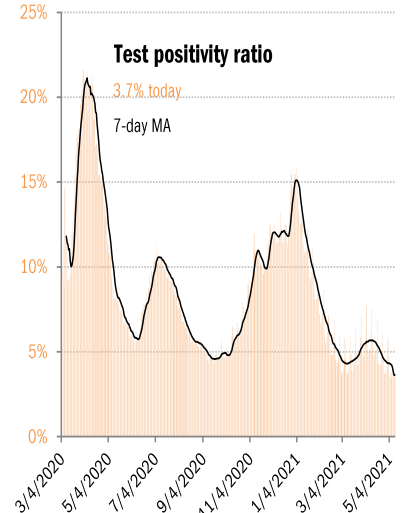
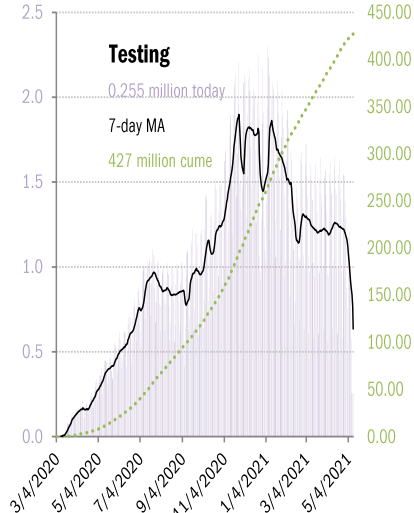
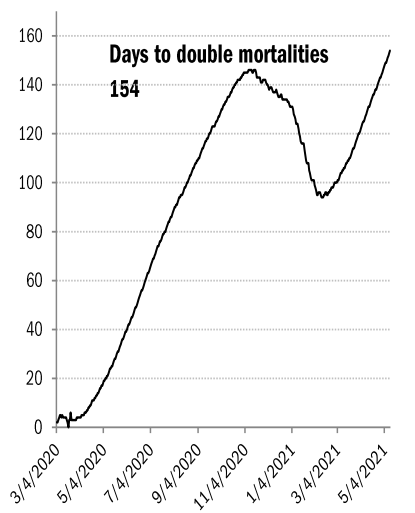
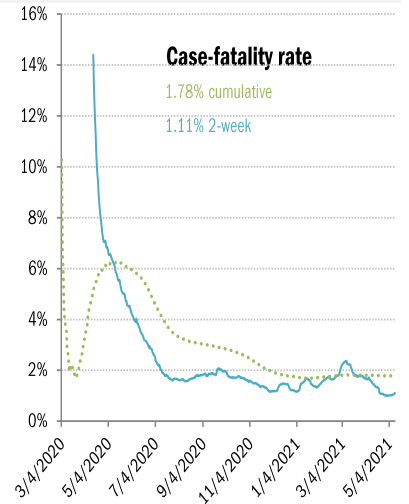
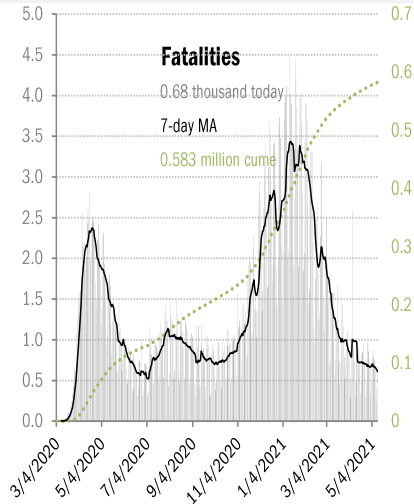
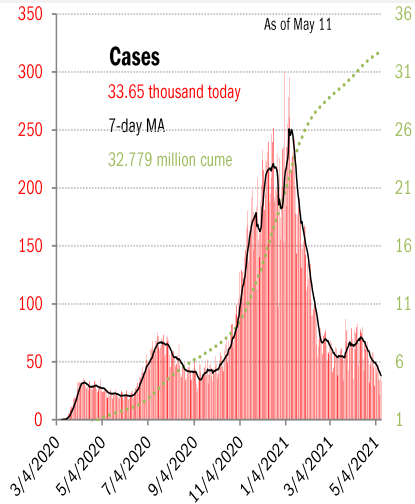


* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.
** One dose of Pfizer/Moderna counts as half an immunity, one dose of J&J as a full immunity

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

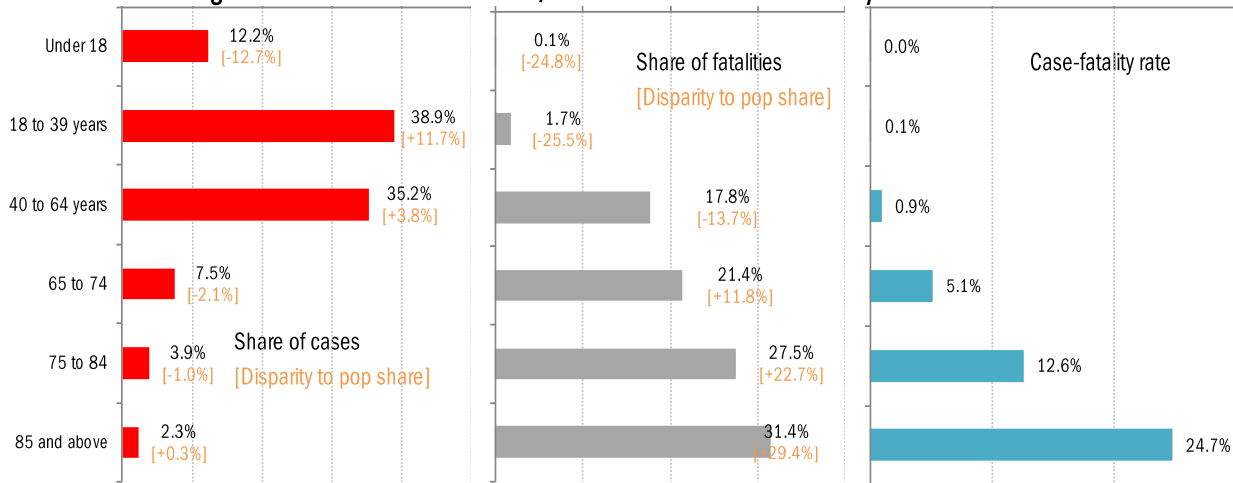
US deep-dive

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

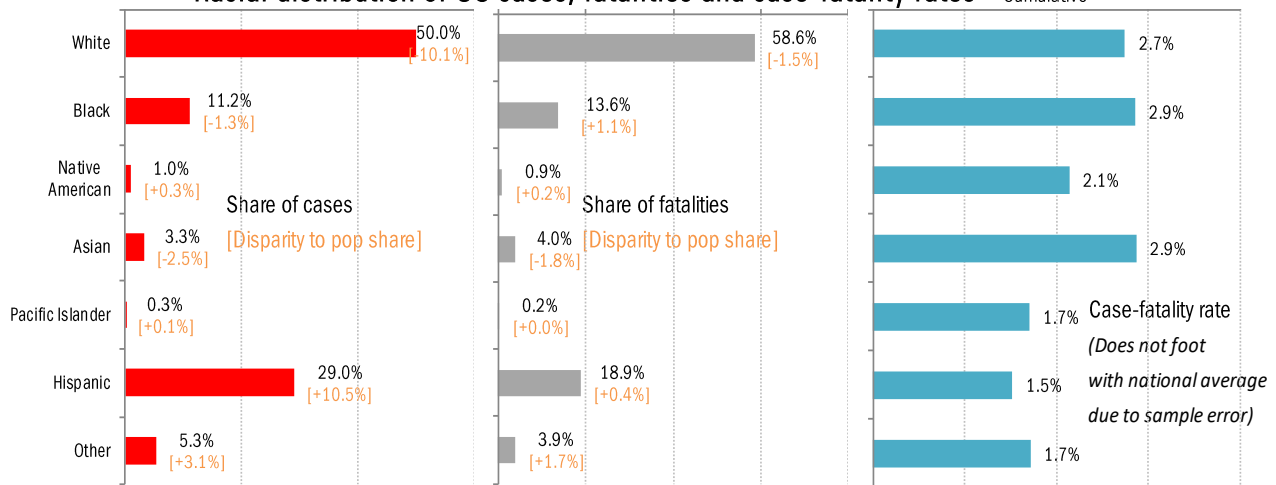


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

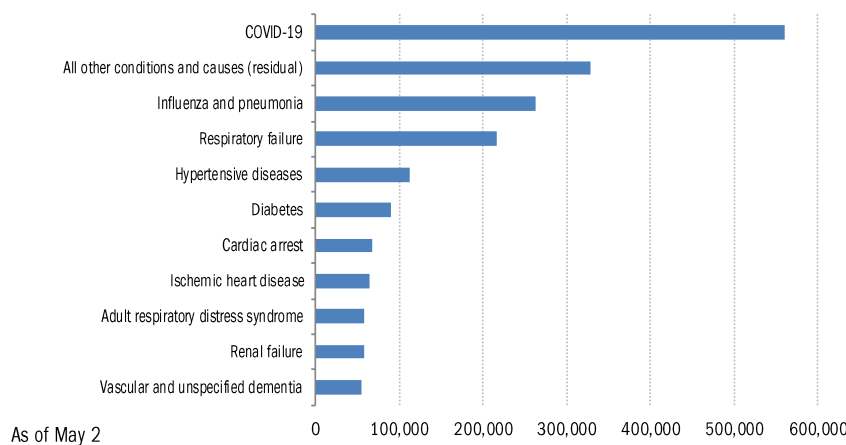


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of May 2

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 Desperation Is Spreading Across India](#)

Jeffrey Gettleman and Suhasini Raj

New York Times

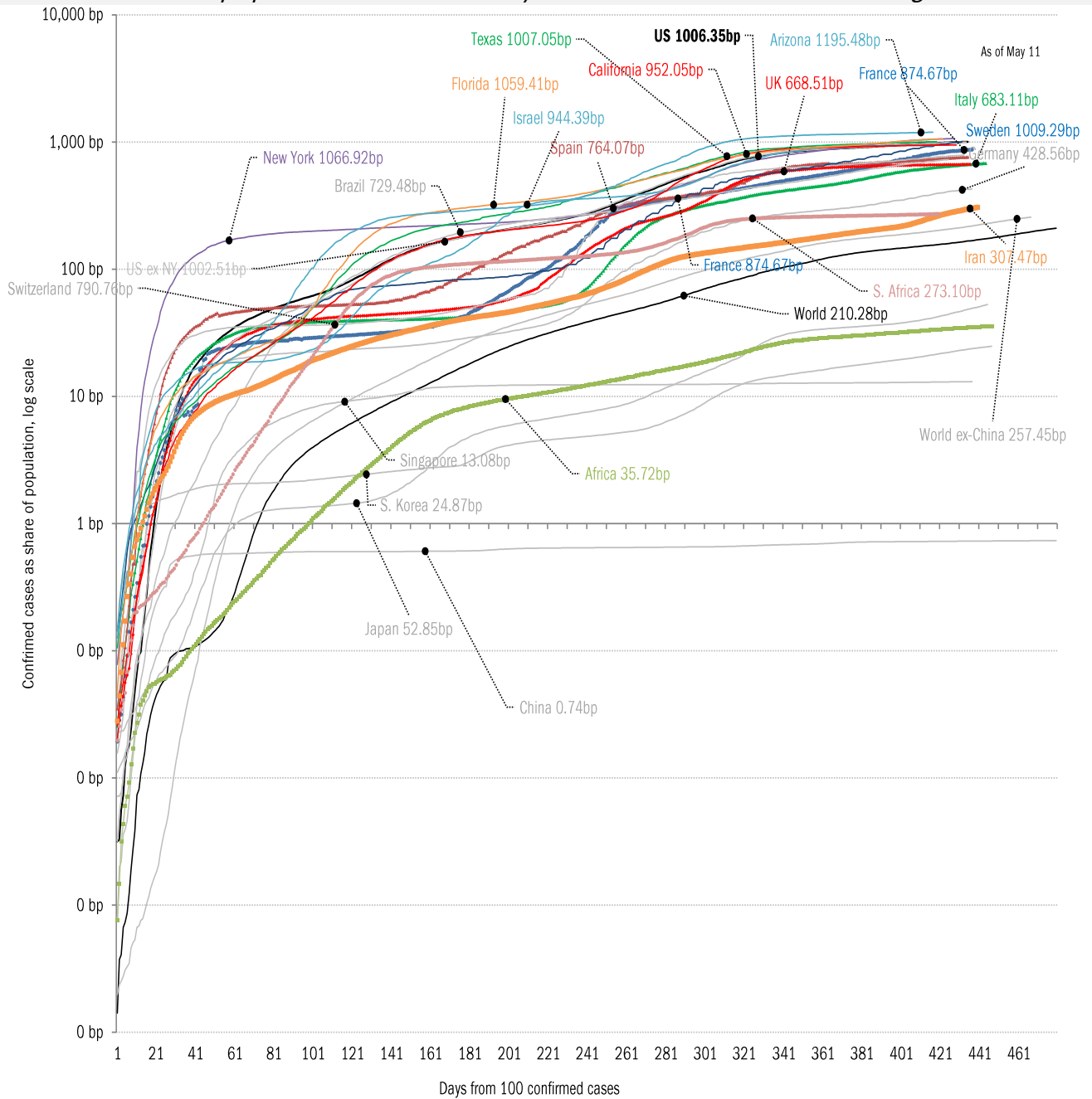
May 11, 2021

Meme of the day



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

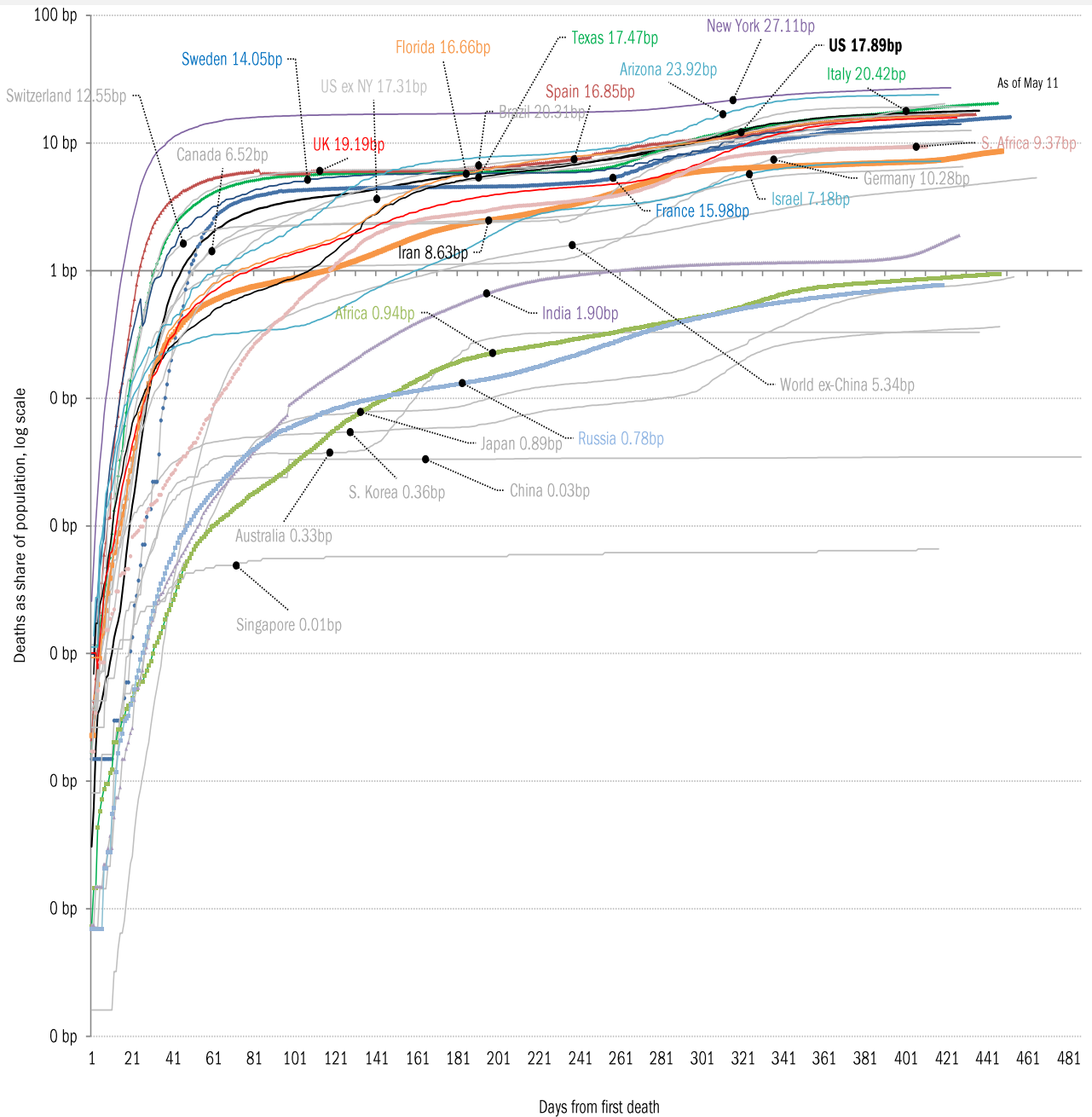
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

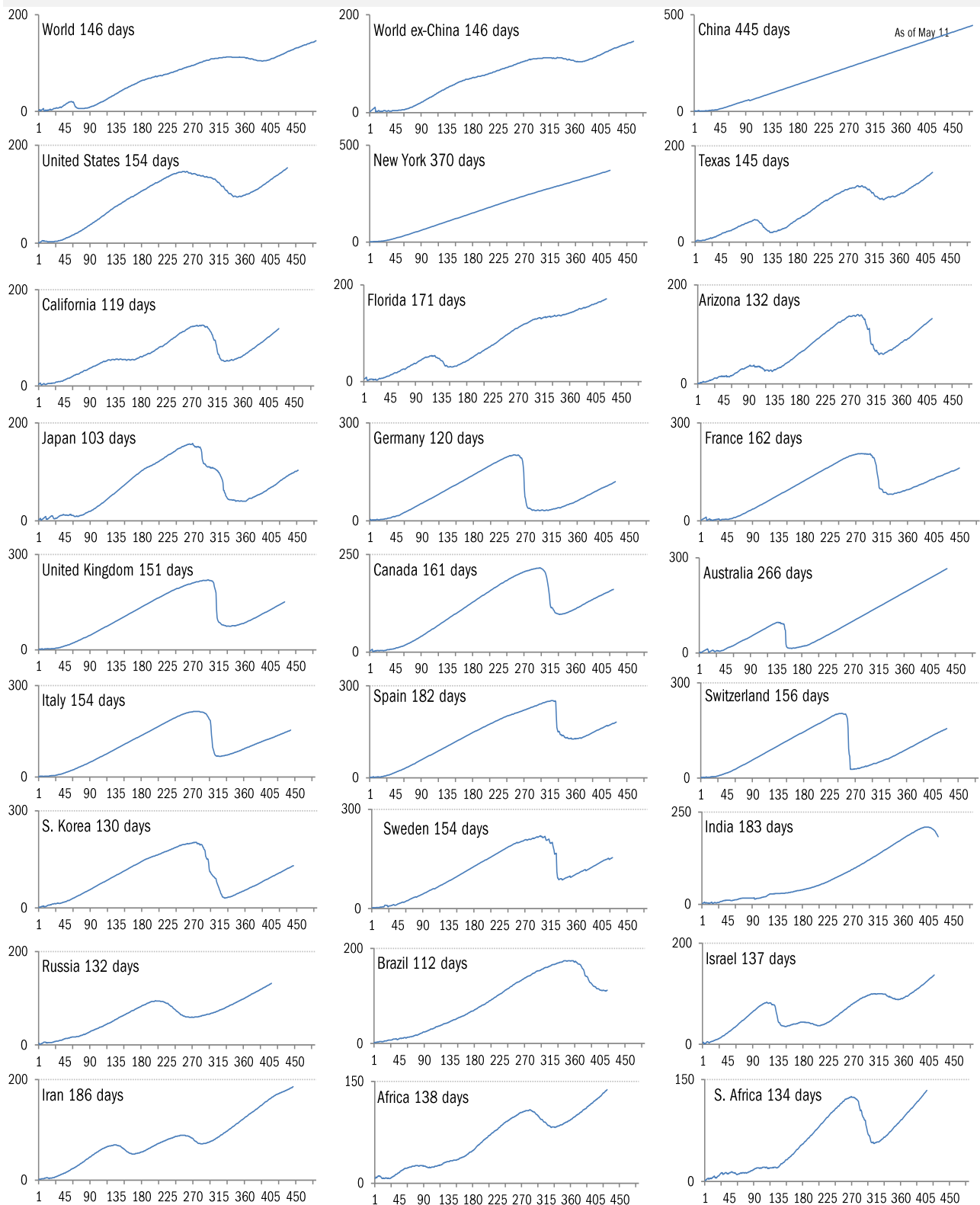


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

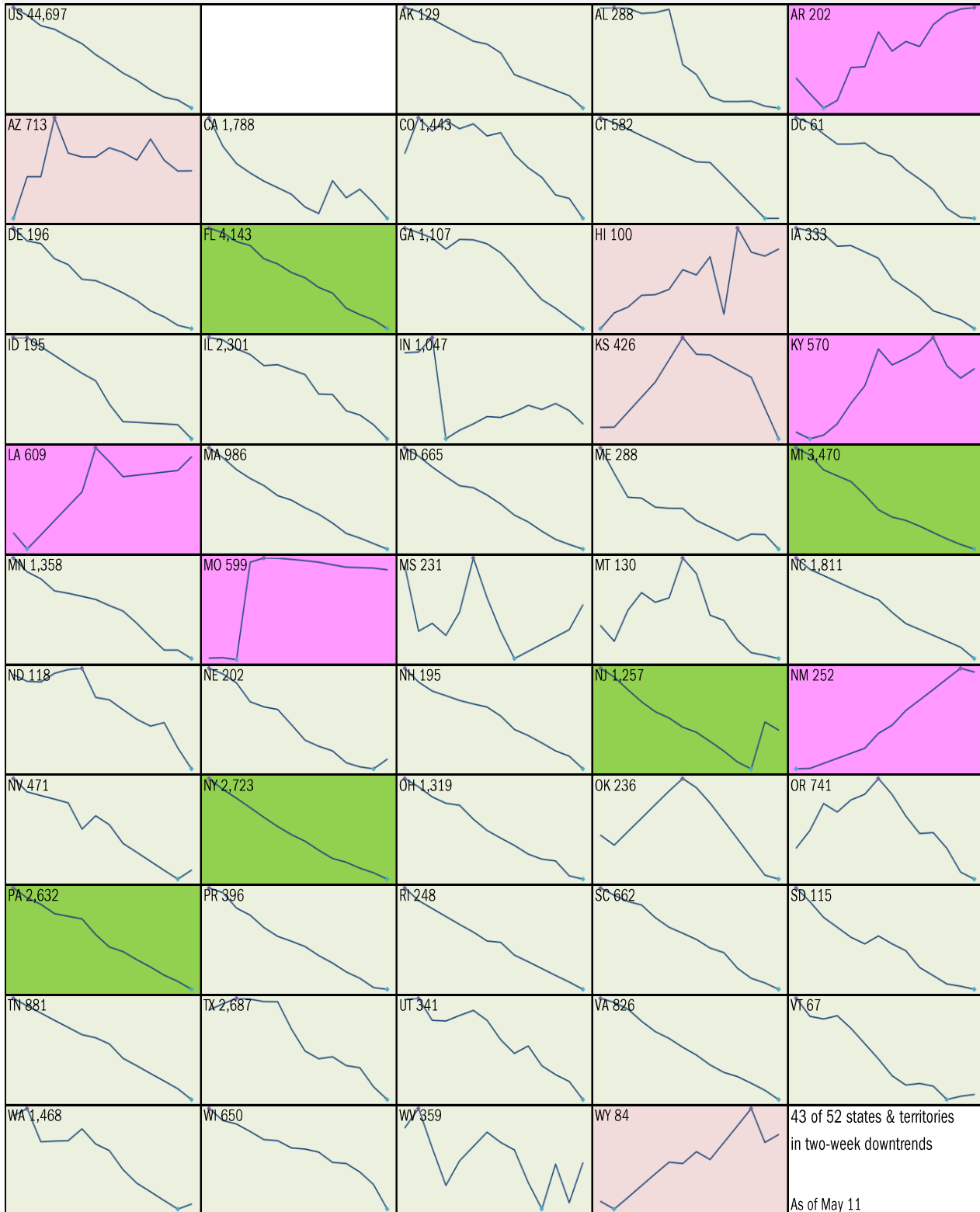
Vertical: days to double deaths Horizontal: days from first death

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

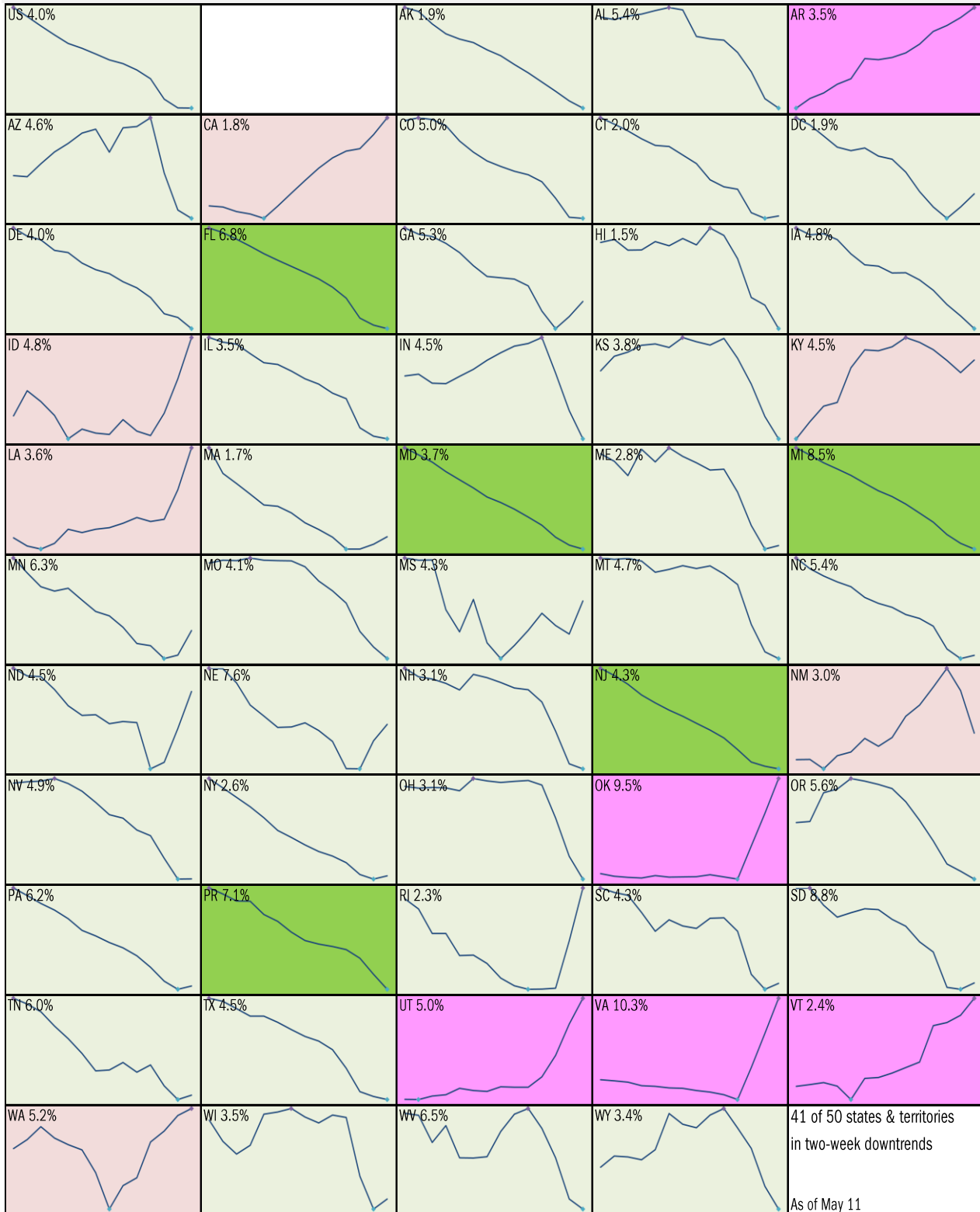


Source: [Johns Hopkins](#), TrendMacro calculations

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

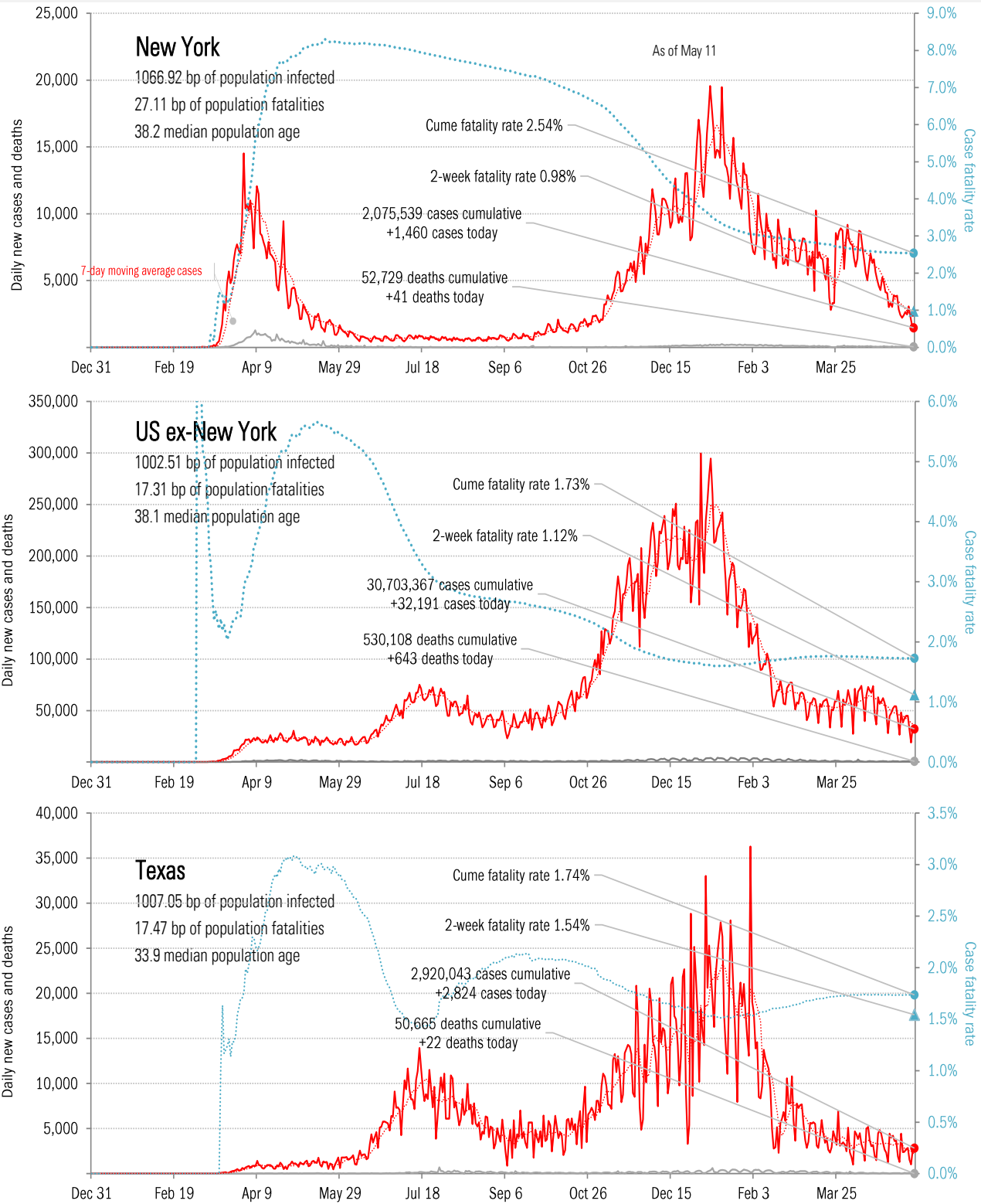
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



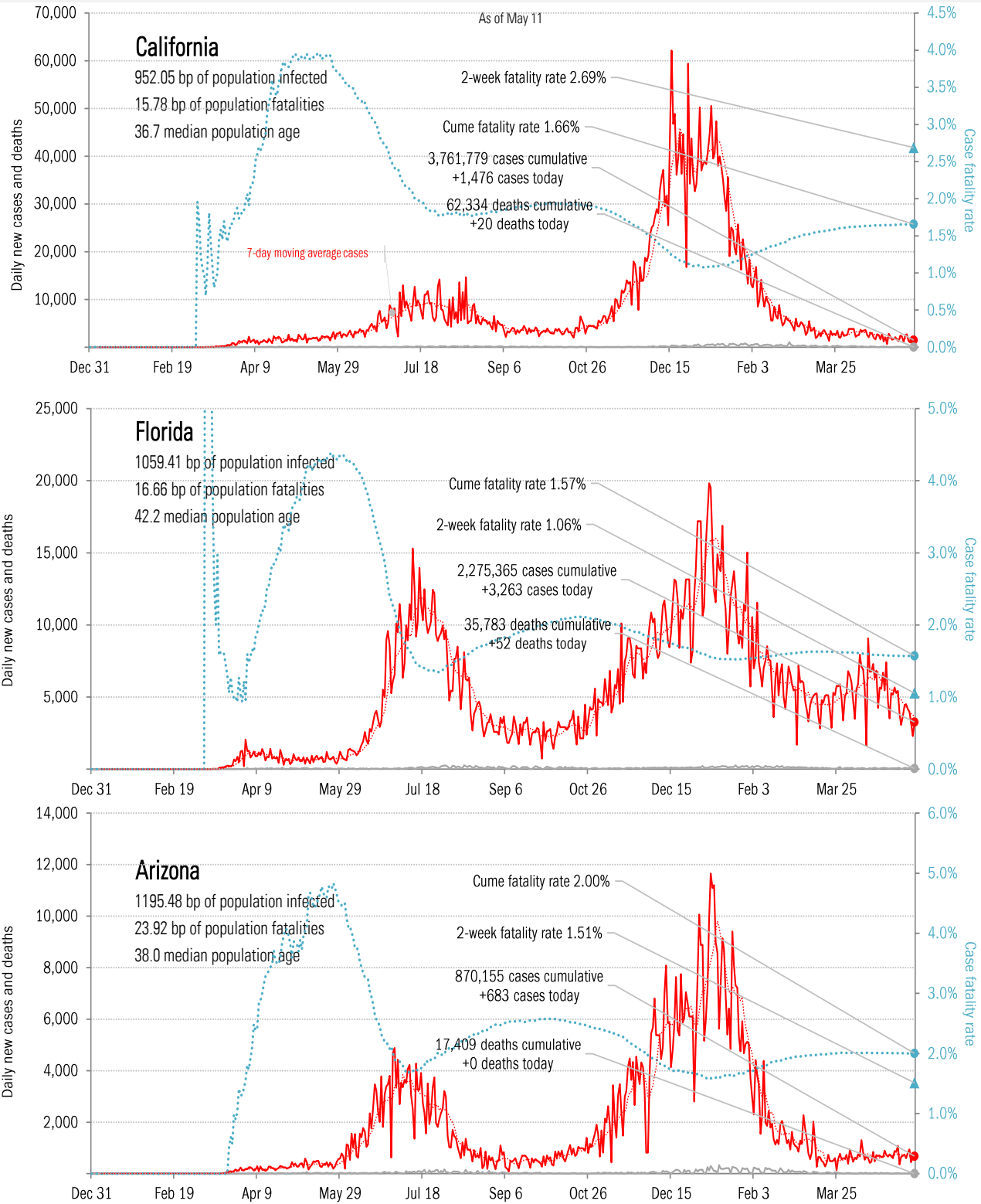
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



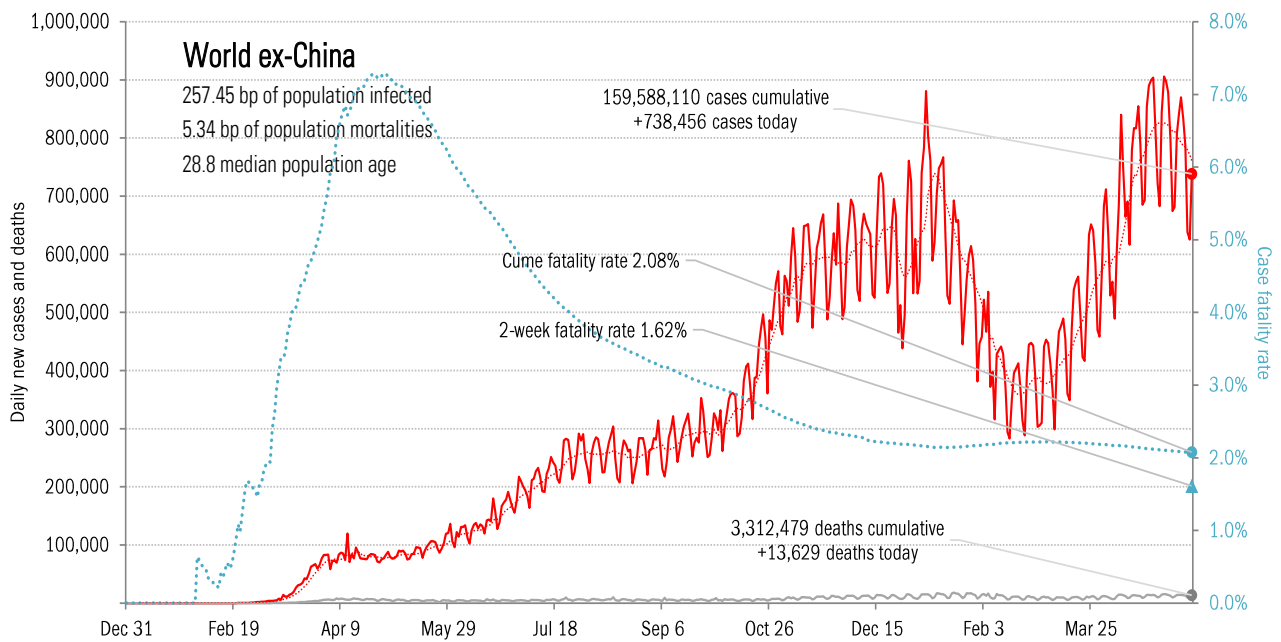
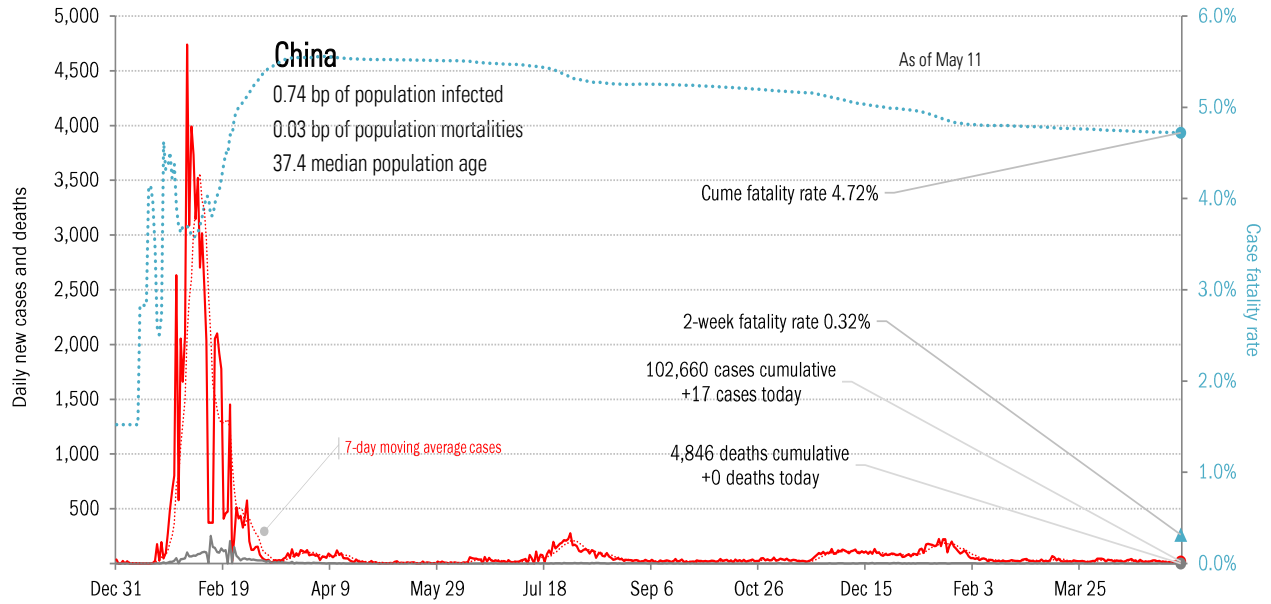
Source: [Johns Hopkins](#), TrendMacro calculations

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



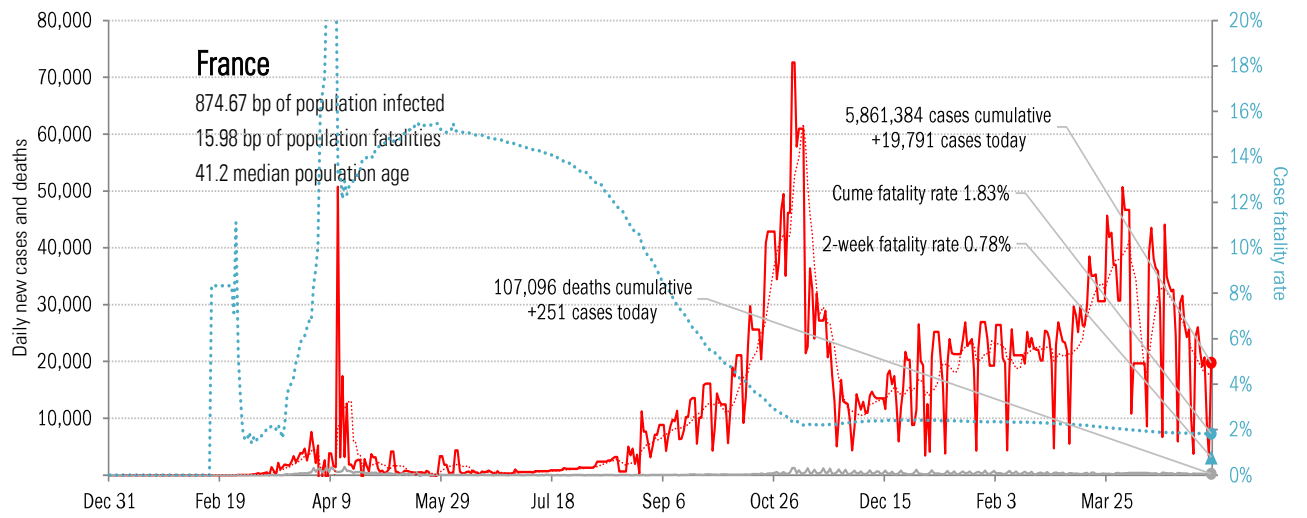
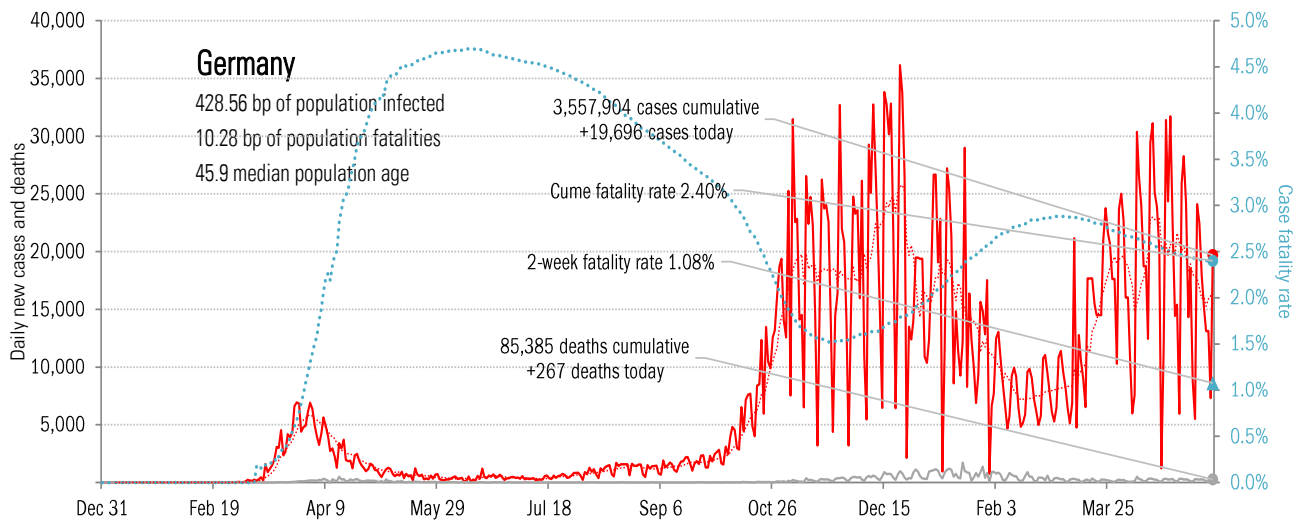
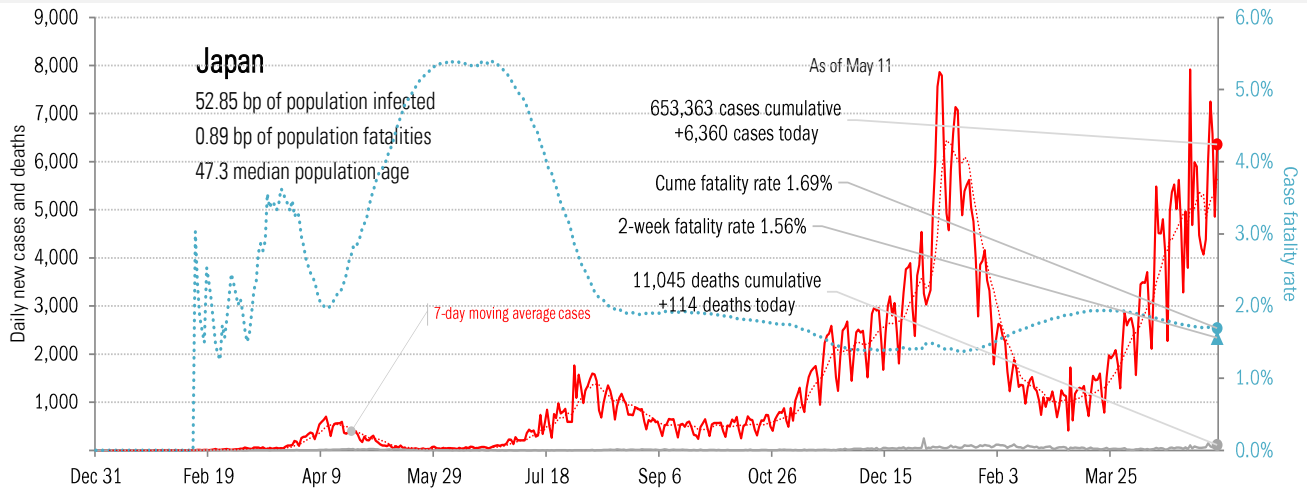
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



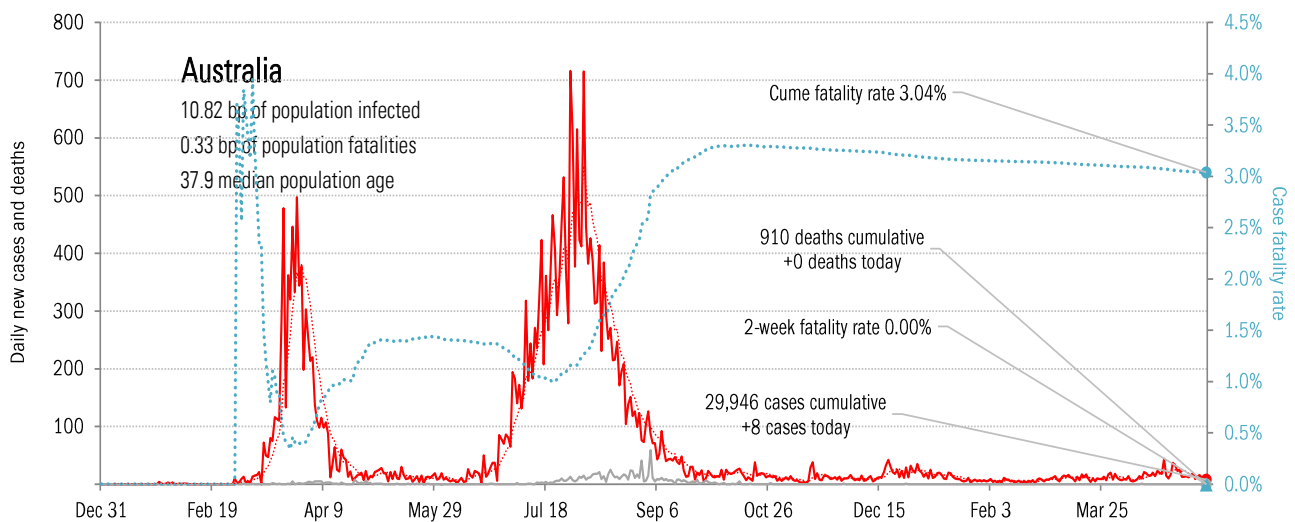
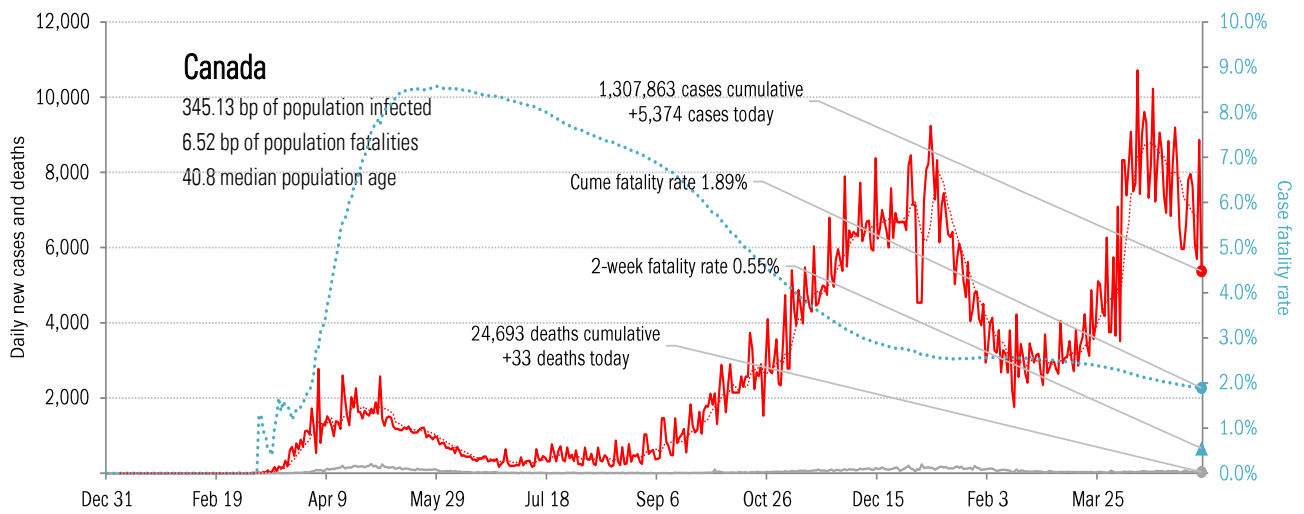
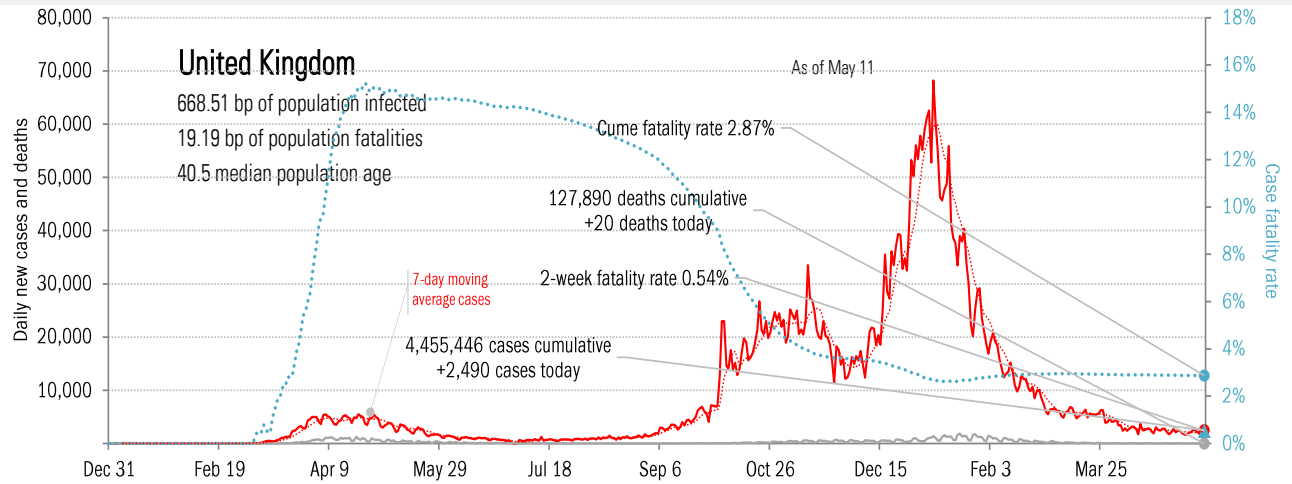
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



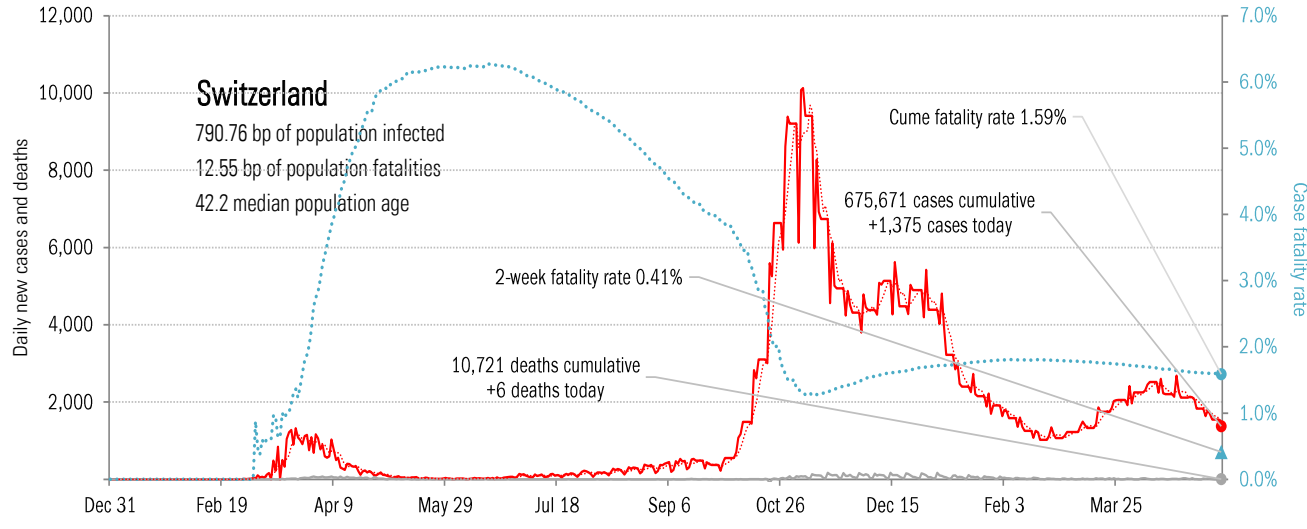
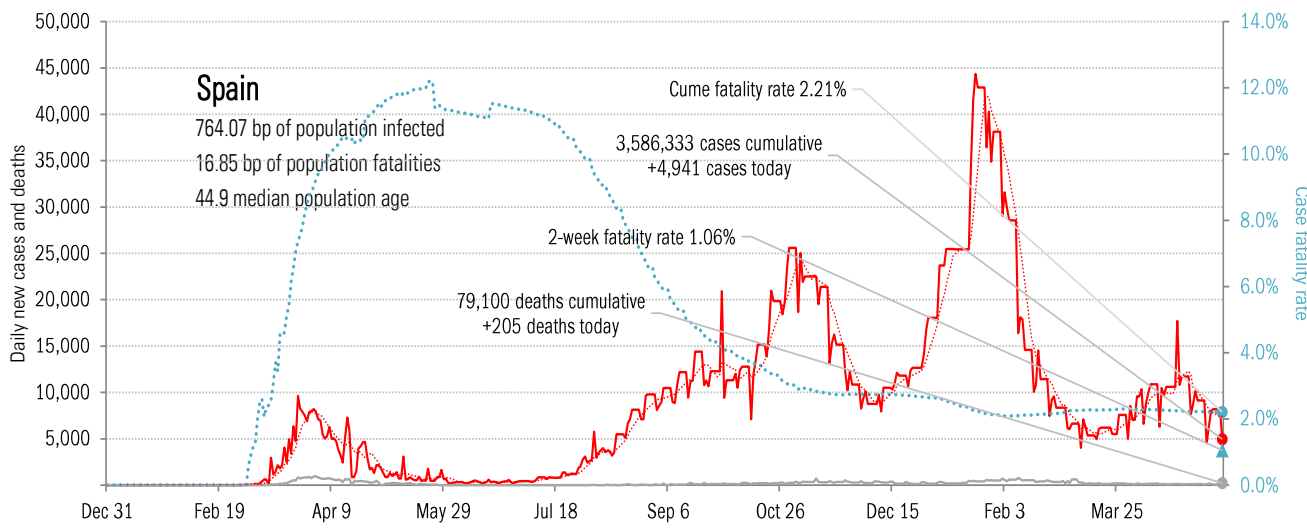
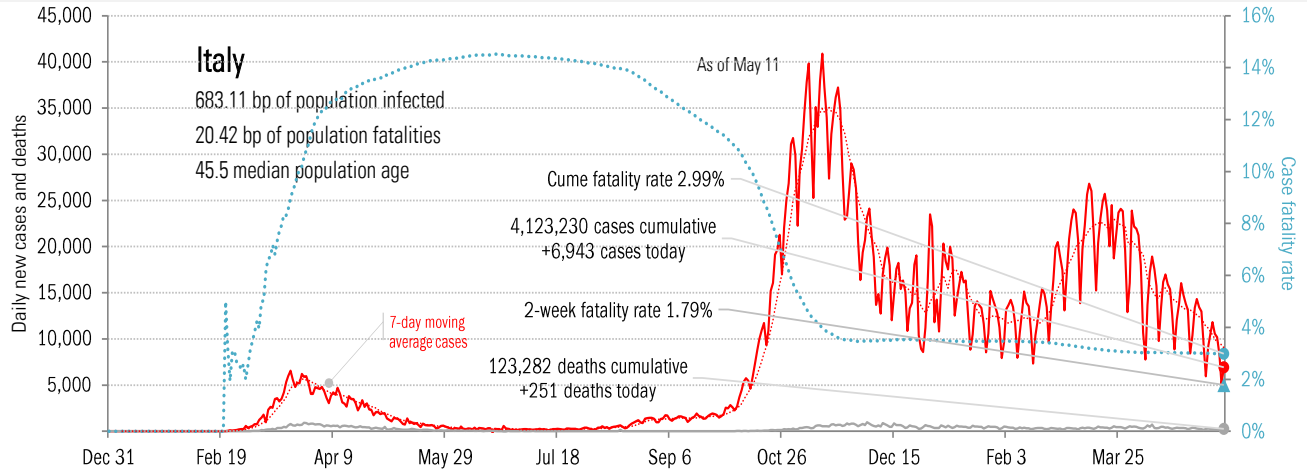
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



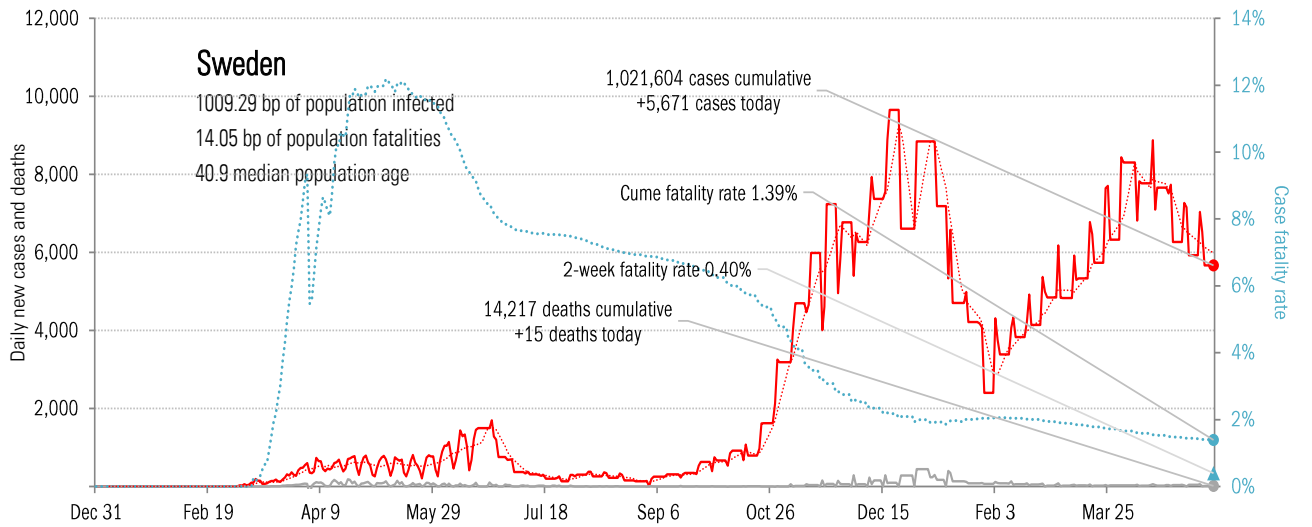
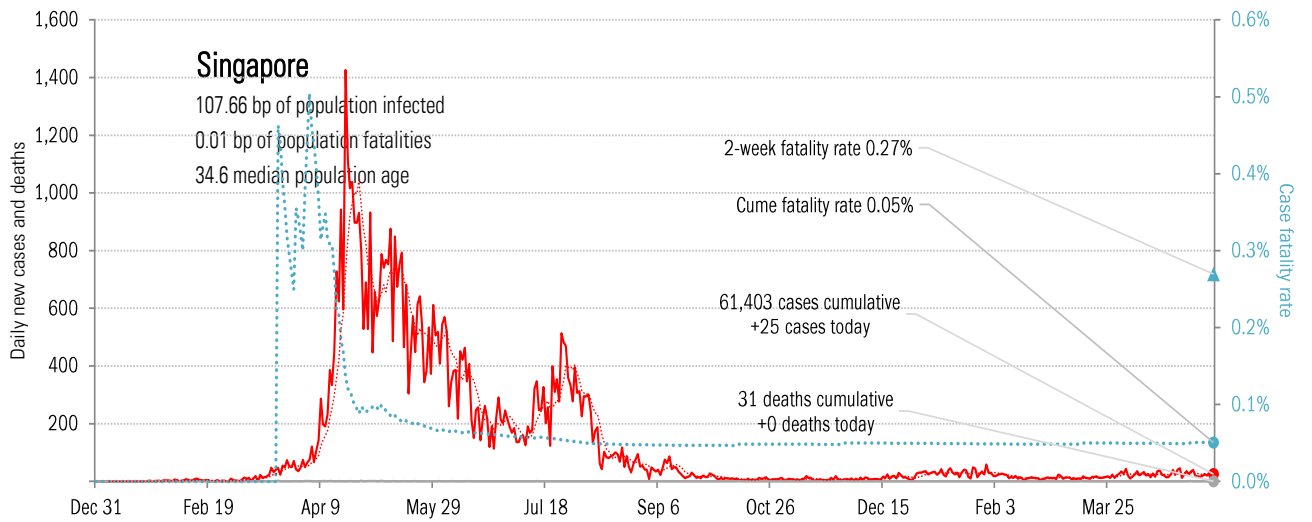
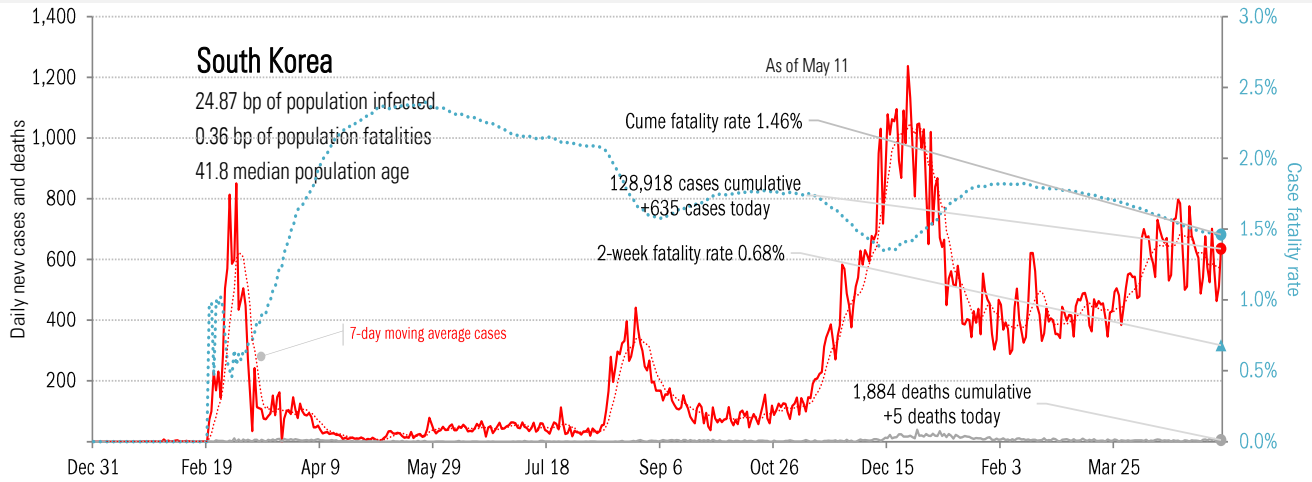
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



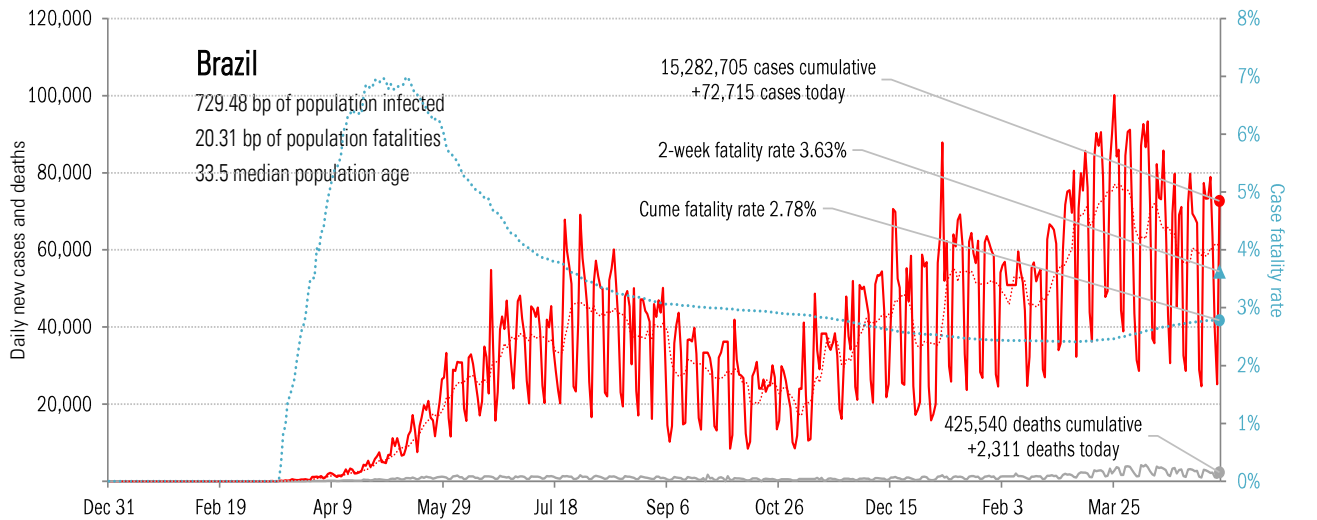
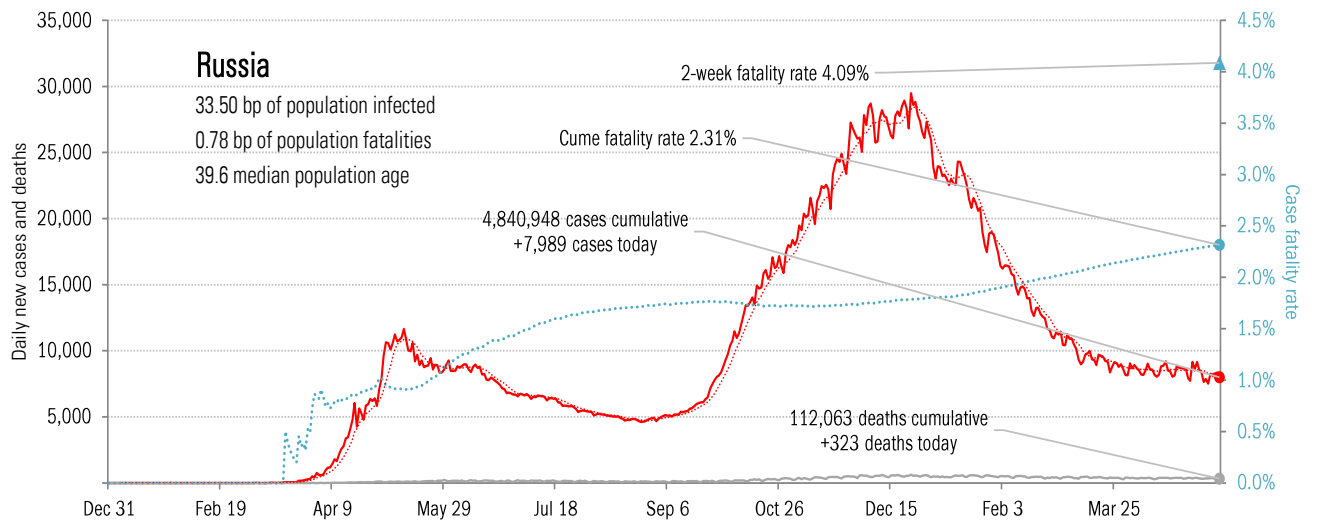
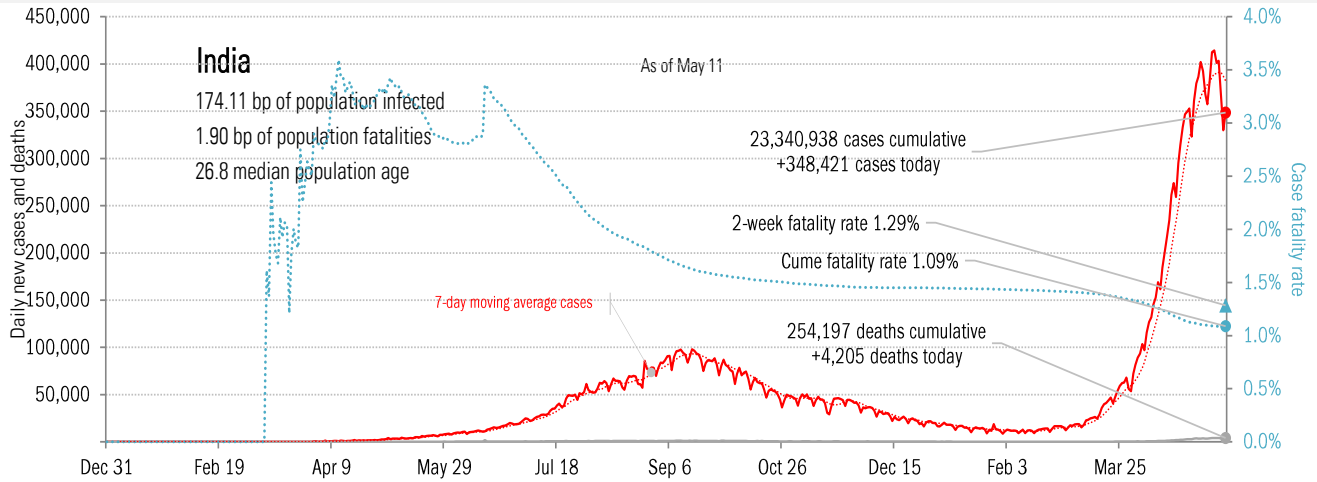
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



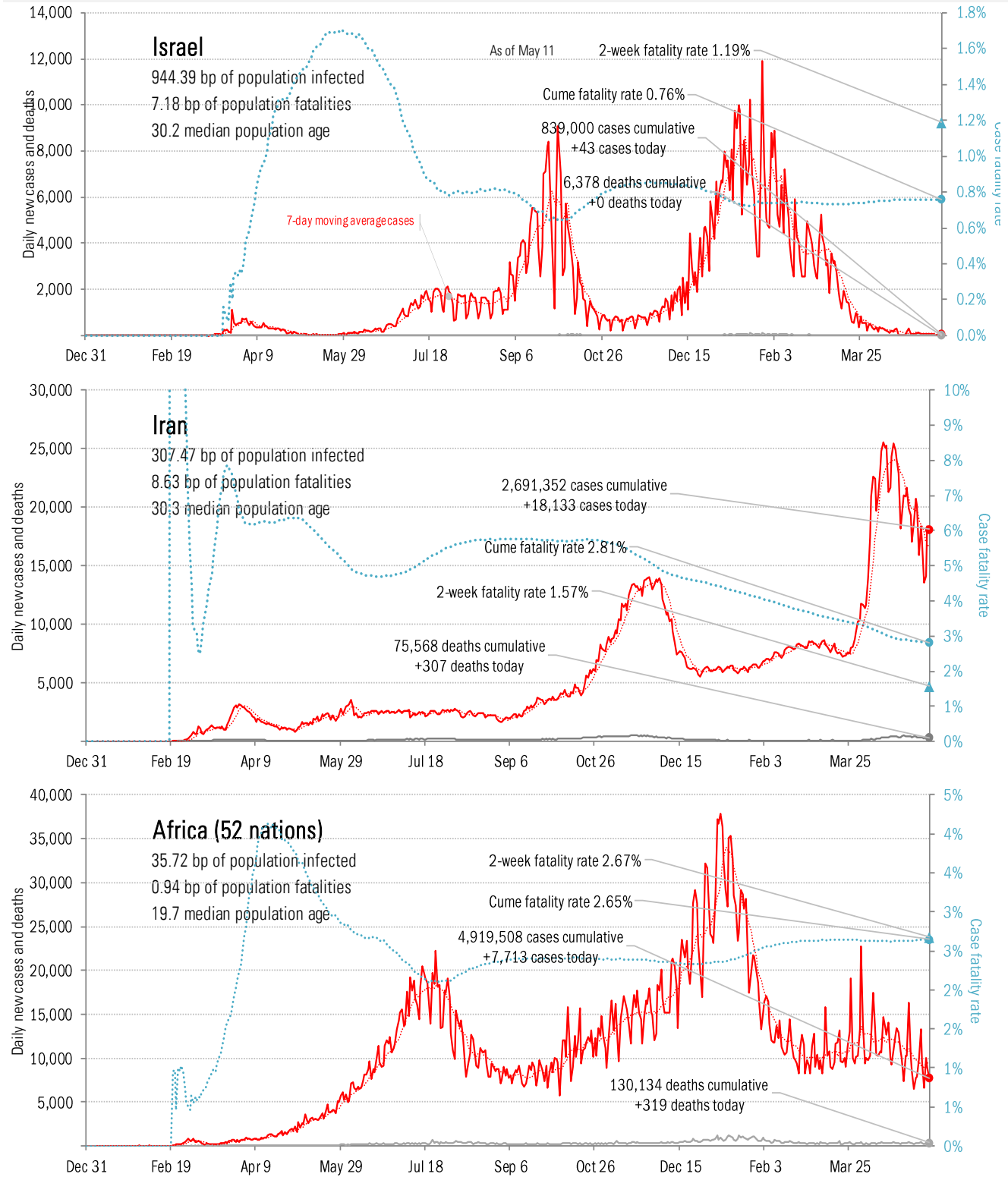
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



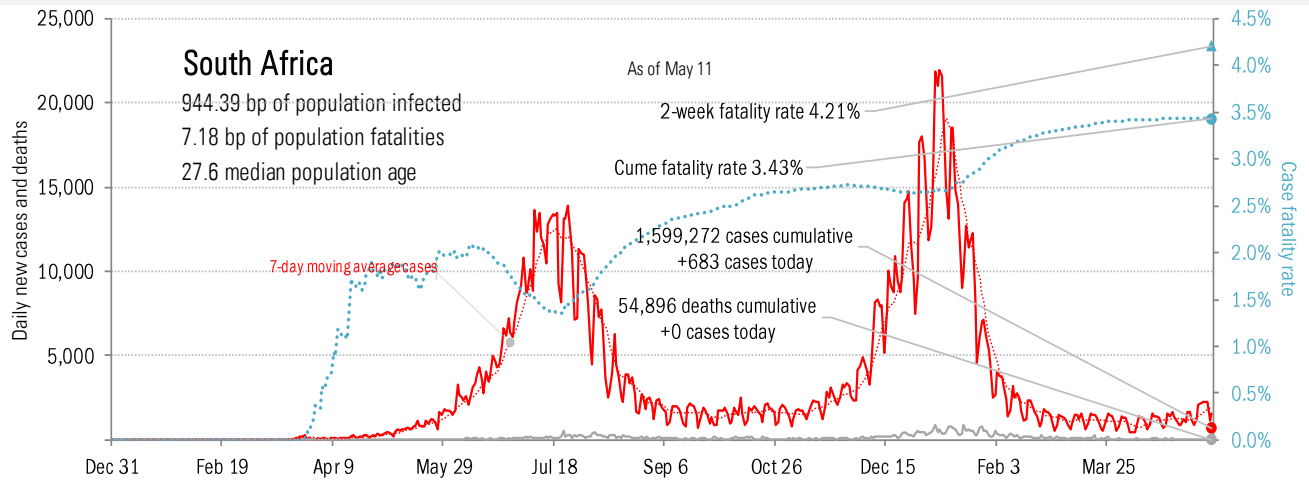
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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