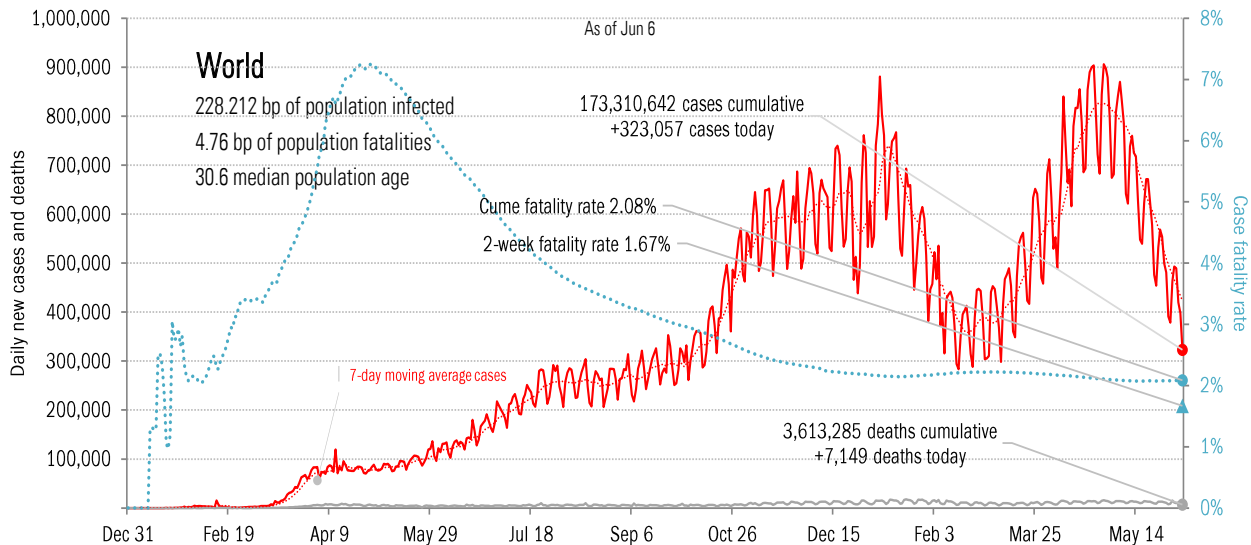
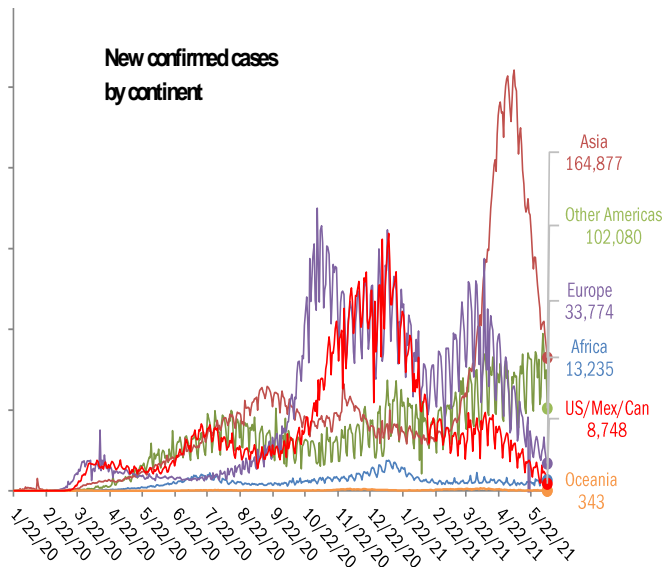


Data Insights: Covid-2019 Monitor

Monday, June 7, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+100,636	India	+2,427
Brazil	+39,637	Brazil	+873
Colombia	+24,050	Colombia	+539
Argentina	+16,415	Argentina	+347
Russia	+9,025	Russia	+346
Chile	+7,690	United States	+251
Philippines	+7,205	Philippines	+166
Malaysia	+6,241	Indonesia	+163
Indonesia	+5,832	Paraguay	+135
Iran	+5,612	Iran	+122
+222,343		+5,369	
World	+323,057	World	+7,149
Top ten	69%	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

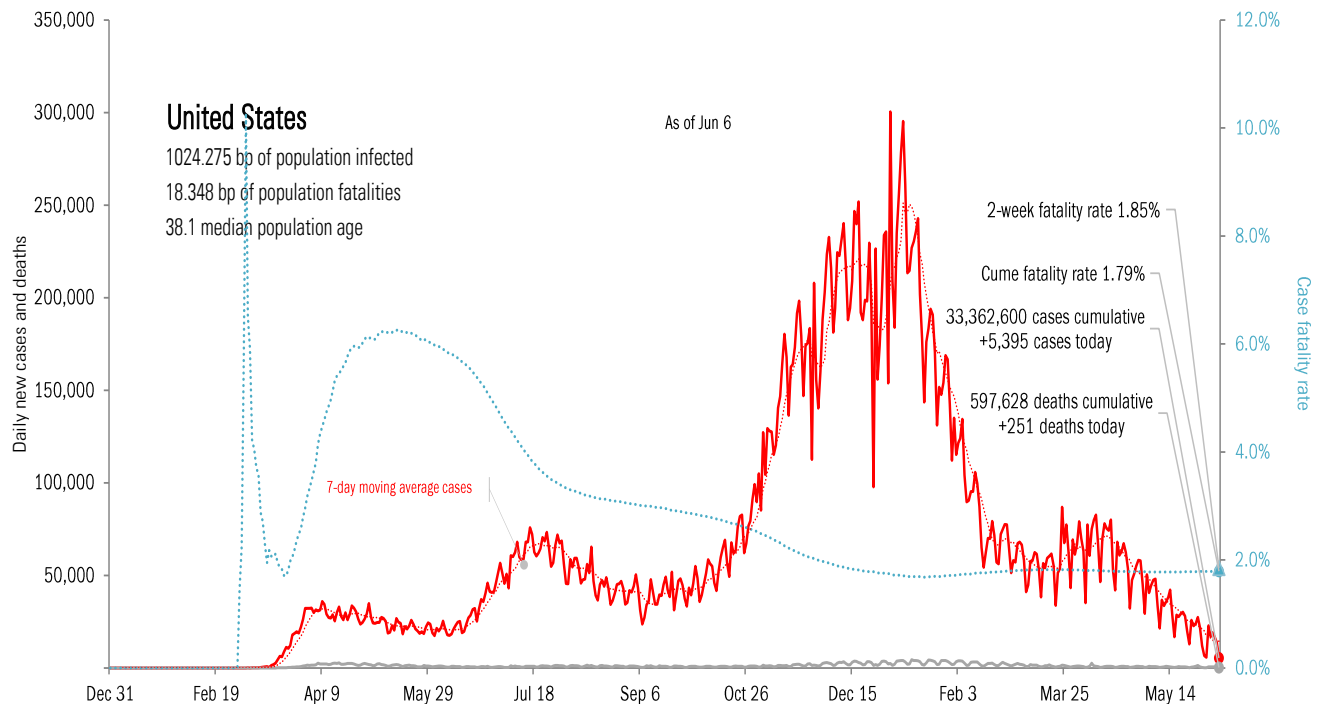
The ten worst US states

New cases			New Deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
CA	+653		CA	+116		CA	+38		CA	3,795,580		CA	63,557		TX	249,561		R	92%	WA	13%
TX	+539		IL	+38		GA	+35		TX	2,962,934		NY	53,462		CA	237,075		MA	83%	CO	13%
AZ	+507		NY	+33		TX	+21		FL	2,332,867		TX	51,719		FL	181,592		PA	82%	ID	13%
NY	+507		TX	+18		WA	+20		NY	2,105,882		FL	36,973		NY	134,958		MO	82%	MO	13%
CO	+374		VA	+7		MO	+12		IL	1,385,165		PA	27,348		GA	107,230		MI	80%	MI	11%
IL	+342		MD	+6		MS	+12		PA	1,210,224		NJ	26,279		PA	90,485		MD	80%	ME	10%
PA	+330		NJ	+6		WI	+7		GA	1,126,134		IL	25,352		CH	86,374		MI	79%	MS	10%
GA	+280		PA	+5		CT	+5		CH	1,104,648		GA	20,986		IL	81,317		WV	78%	OR	10%
CH	+268		IA	+4		ND	+5		NJ	1,017,904		MI	20,588		KY	75,938		CT	78%	WV	10%
MN	+258		MA	+4		NV	+5		NC	1,004,669		CH	19,980		MI	72,198		DC	77%	UT	9%
+4,058			+237			+160			18,046,007			346,244			1,316,728						
All states	+5,395		+251			-146			All states	33,362,600		597,628			2,344,450			All states	70%	67%	
Top ten	75%		94%			-110%			Top ten	54%		58%			56%			Median	72%	7%	

Some states not reporting

Five most improved US states

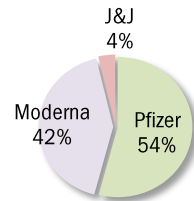
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-3,000	MI	-77	FL	-70	MA	+97 bp
MO	-899	GA	-44	CH	-30	WA	+75 bp
WA	-794	IN	-24	AL	-23	CT	+66 bp
TX	-599	AZ	-23	VA	-22	VT	+60 bp
MI	-429	PA	-13	CO	-17	DE	+57 bp



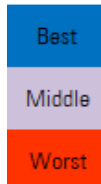
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Total				Today	Immunity	Full	Partial
Doses distributed	384,054,825				+0.000 million	US	41.6%	51.1%
Doses administered	310,563,799				+1.104 million	UK	40.8%	59.4%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	18.6%	41.2%
Total population	175,350,769	52%	142,921,942	43%	+0.860 million	Spain	21.9%	40.7%
Age 12 to 17	6,783,383	27%	2,753,333	11%	+0.216 million	Germany	20.6%	45.1%
Age 18 to 64	119,644,596	59%	97,338,105	48%	+0.543 million	Italy	21.6%	43.1%
Age 65 and over	48,826,974	89%	42,812,156	78%	+0.095 million	Australia	2.2%	17.4%
						Israel	59.4%	63.1%
						Canada	7.5%	61.6%
						Japan	3.4%	10.2%
						Africa	0.7%	1.9%
						India	3.2%	13.3%
						Brazil	10.8%	23.0%



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 **152 days** by Nov 5, 2021
 67.0% of population >18 immunized
 14.0% previously tested positive
81.1% vs 60% adult herd immunity*

Global data differs from sources, timing

AK
59.7%
46.7%
40.1%

ME
71.0%
64.1%
55.8%

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As of Jun 6

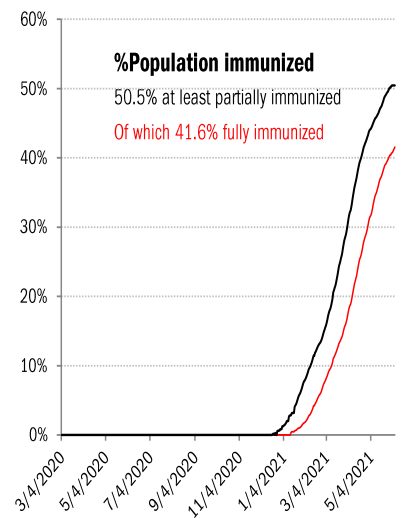
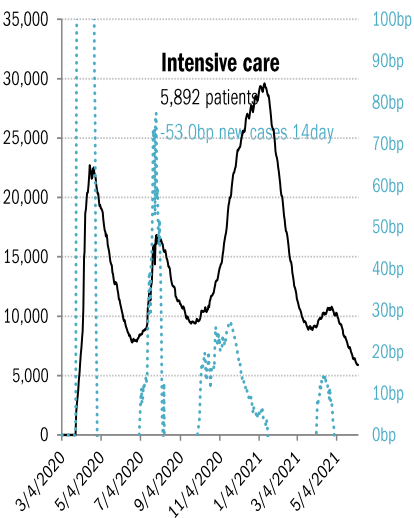
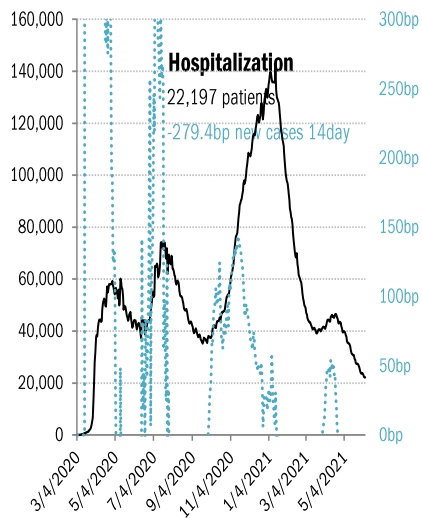
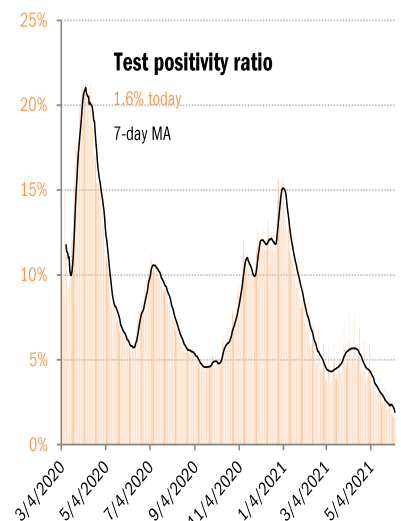
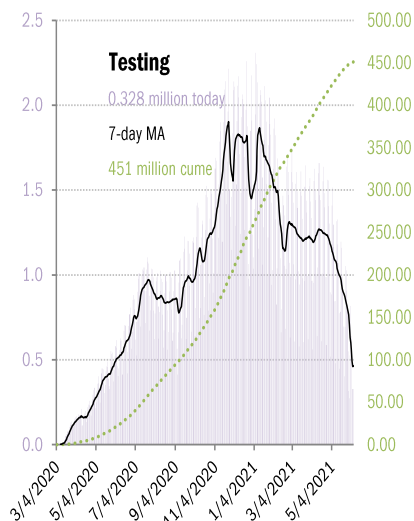
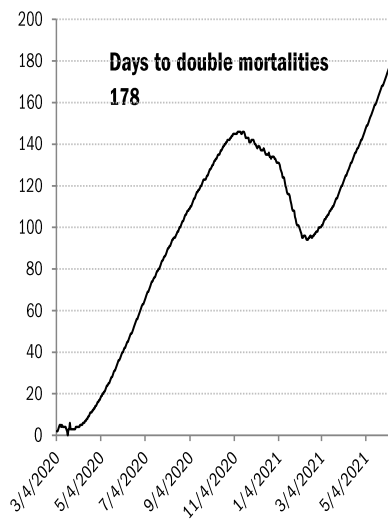
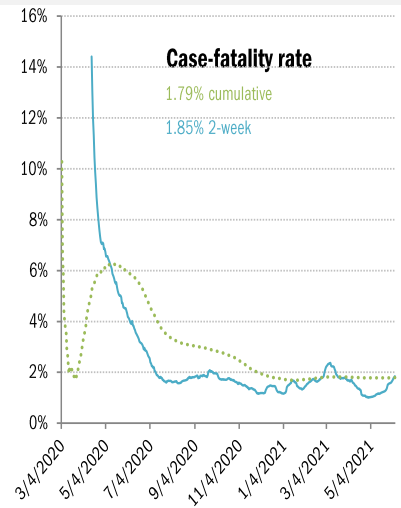
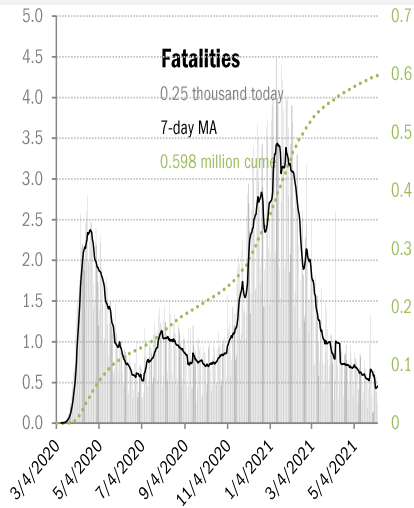
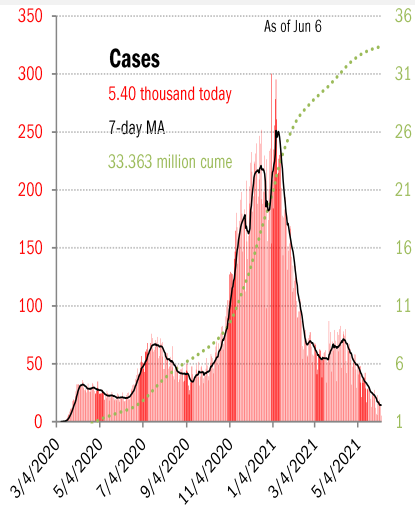
* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

** 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

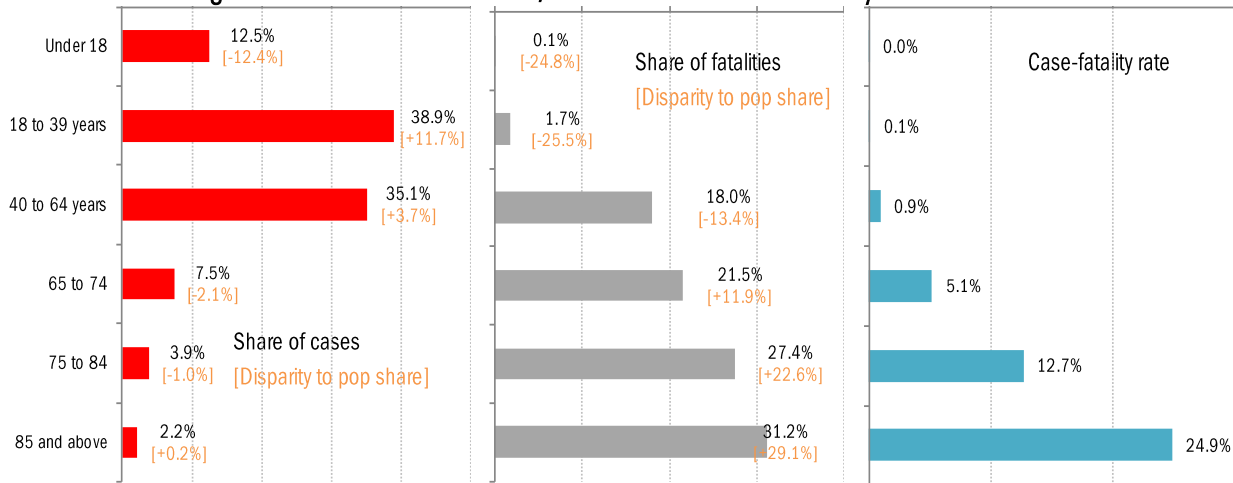
US deep-dive

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

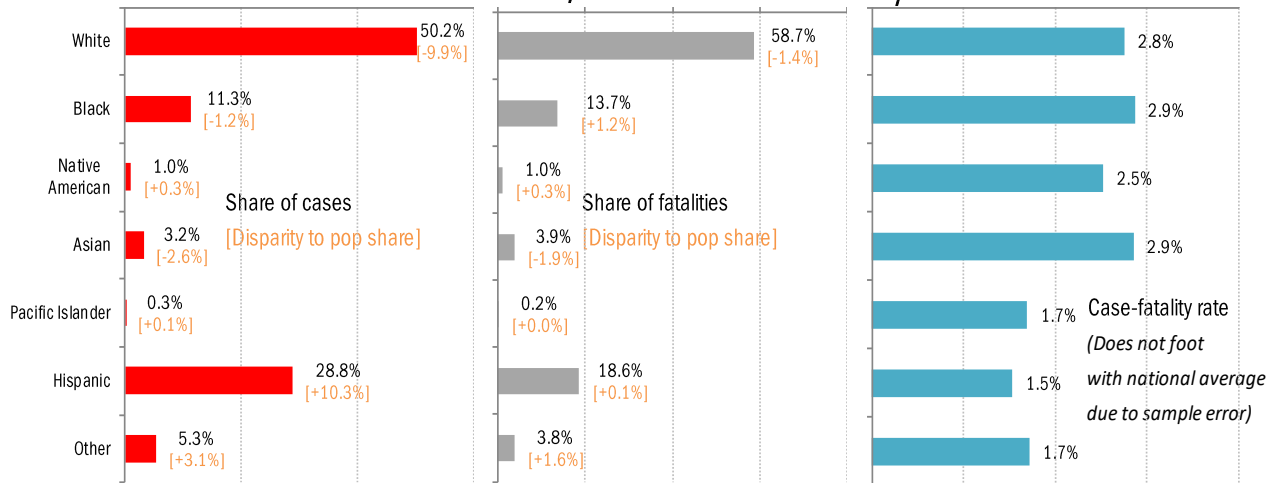


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

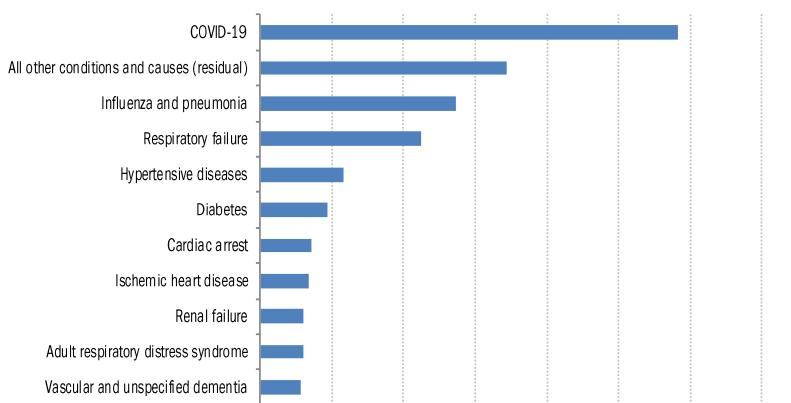


Racial distribution of US cases, fatalities and case-fatality rates



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

[Golfer Jon Rahm Learns He Is Out Of PGA Tournament He Was Leading Over Positive Covid Test On Live TV](#)

Nellie Andreeva
Deadline
June 5, 2021

[Trump wanted to publicly grill Fauci on Wuhan lab funding — and bill China for pandemic](#)

Sharri Markson
New York Post
June 5, 2021

[Fauci Responds To Being Criticized: 'Anti-Science,' 'All Nonsense,' 'Fabricated,' 'Inappropriate'](#)

Daily Wire
June 5, 2021

[The Science Suggests a Wuhan Lab Leak](#)

Steven Quay and Richard Muller
Wall Street Journal
June 6, 2021

[High-Ranking Chinese Defector Has 'Direct Knowledge' of Several Chinese Special Weapons Programs](#)

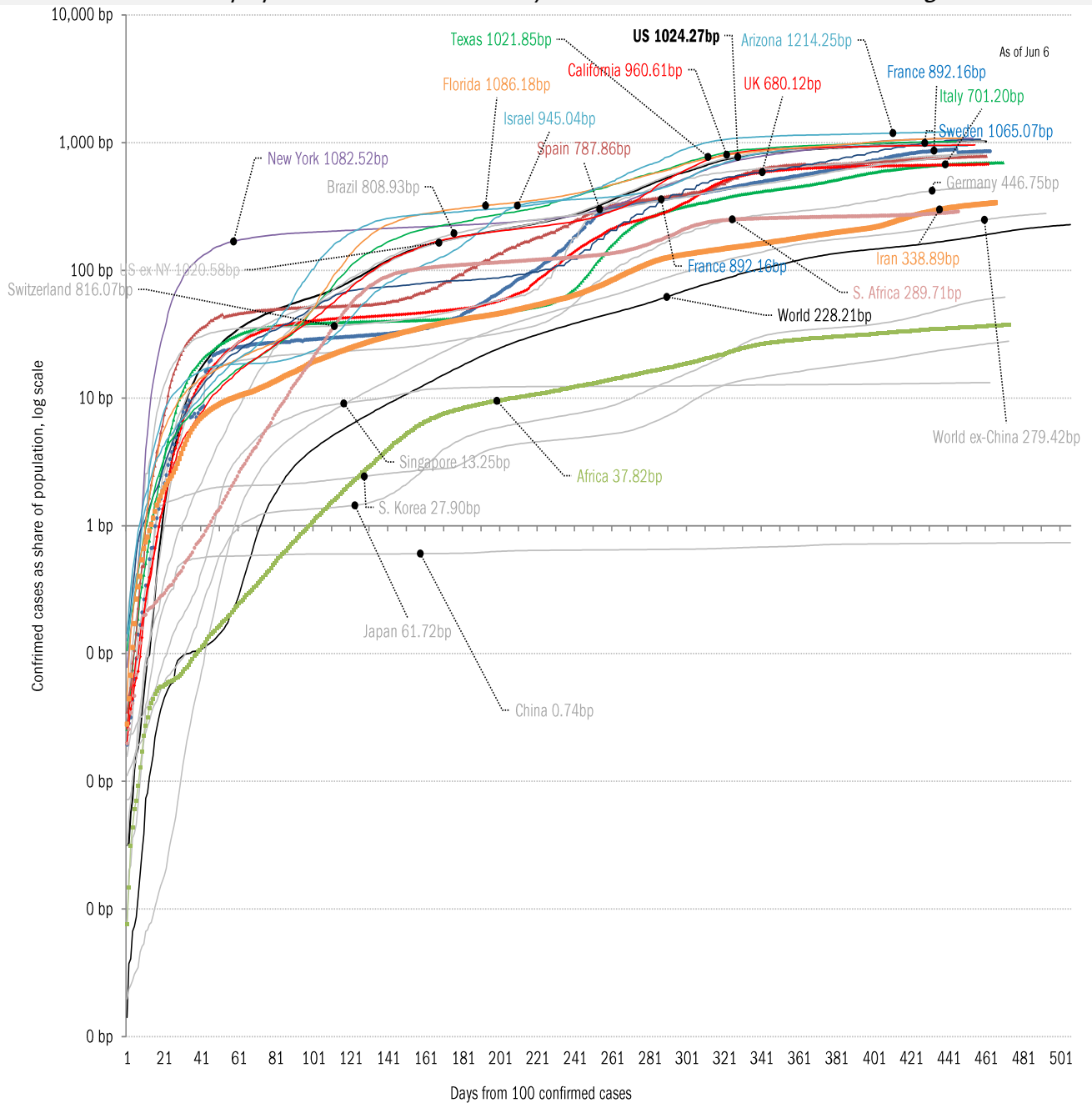
Jennifer Van Laar
Red State
June 4, 2021

Meme of the day



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

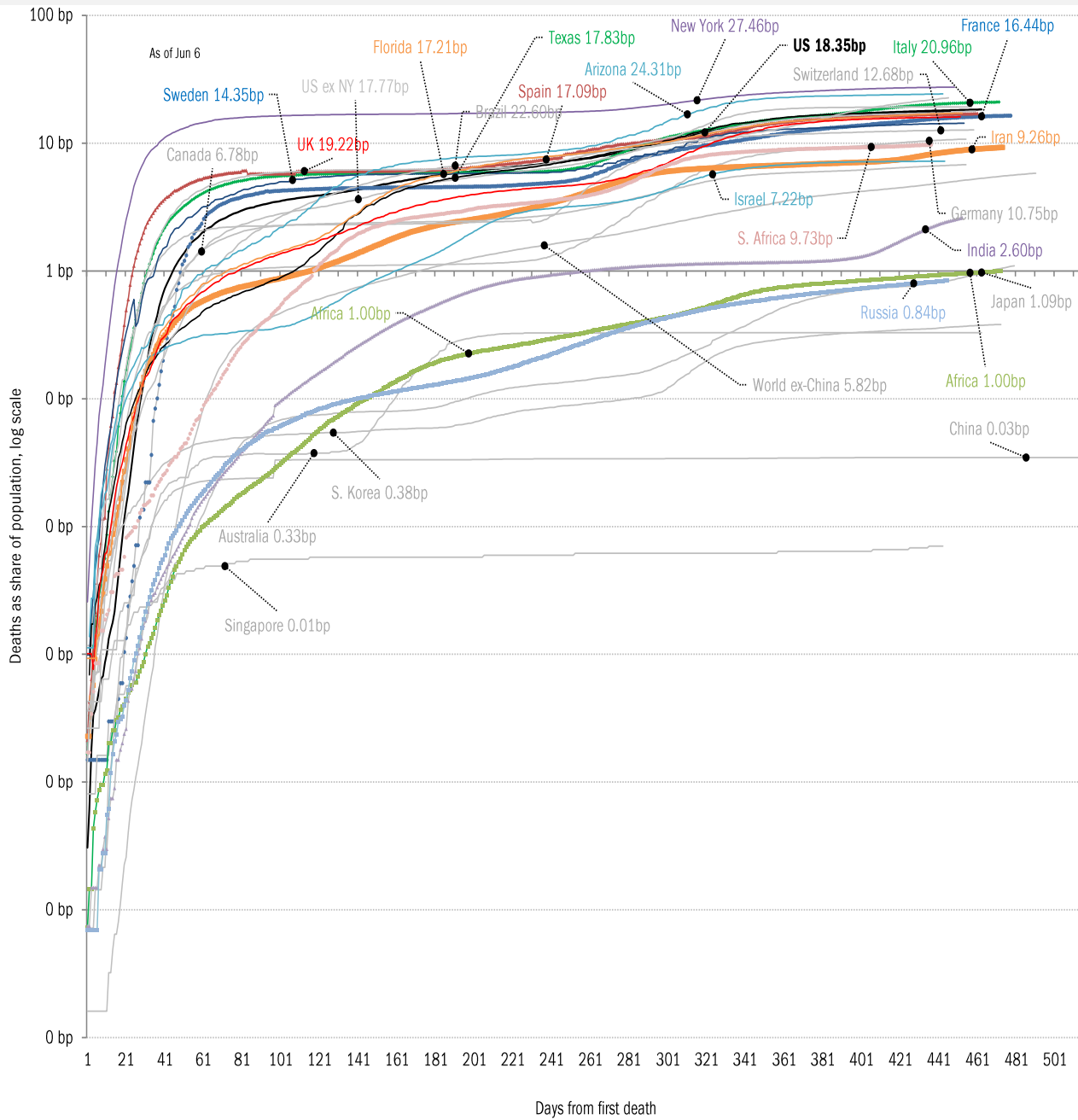
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

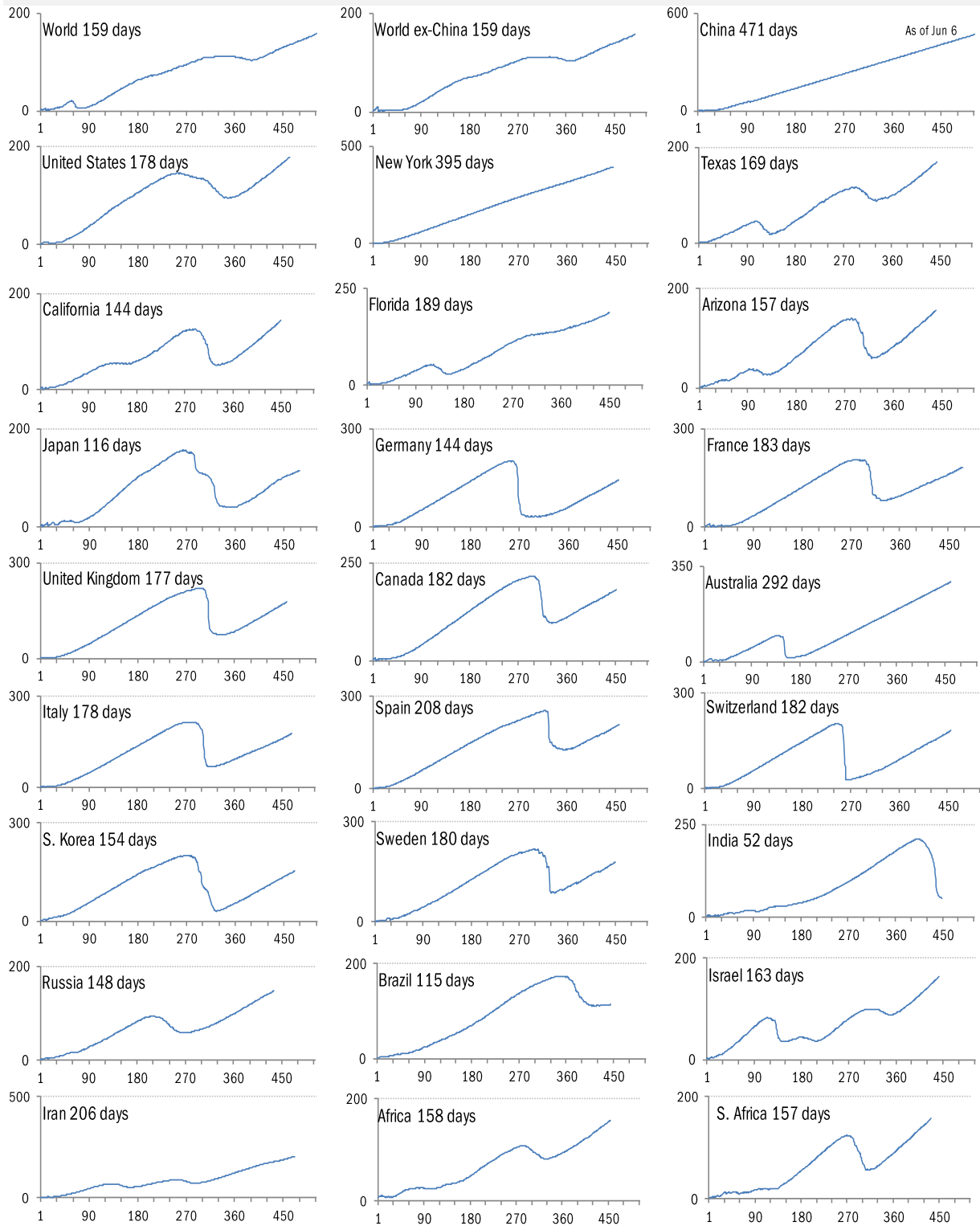


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

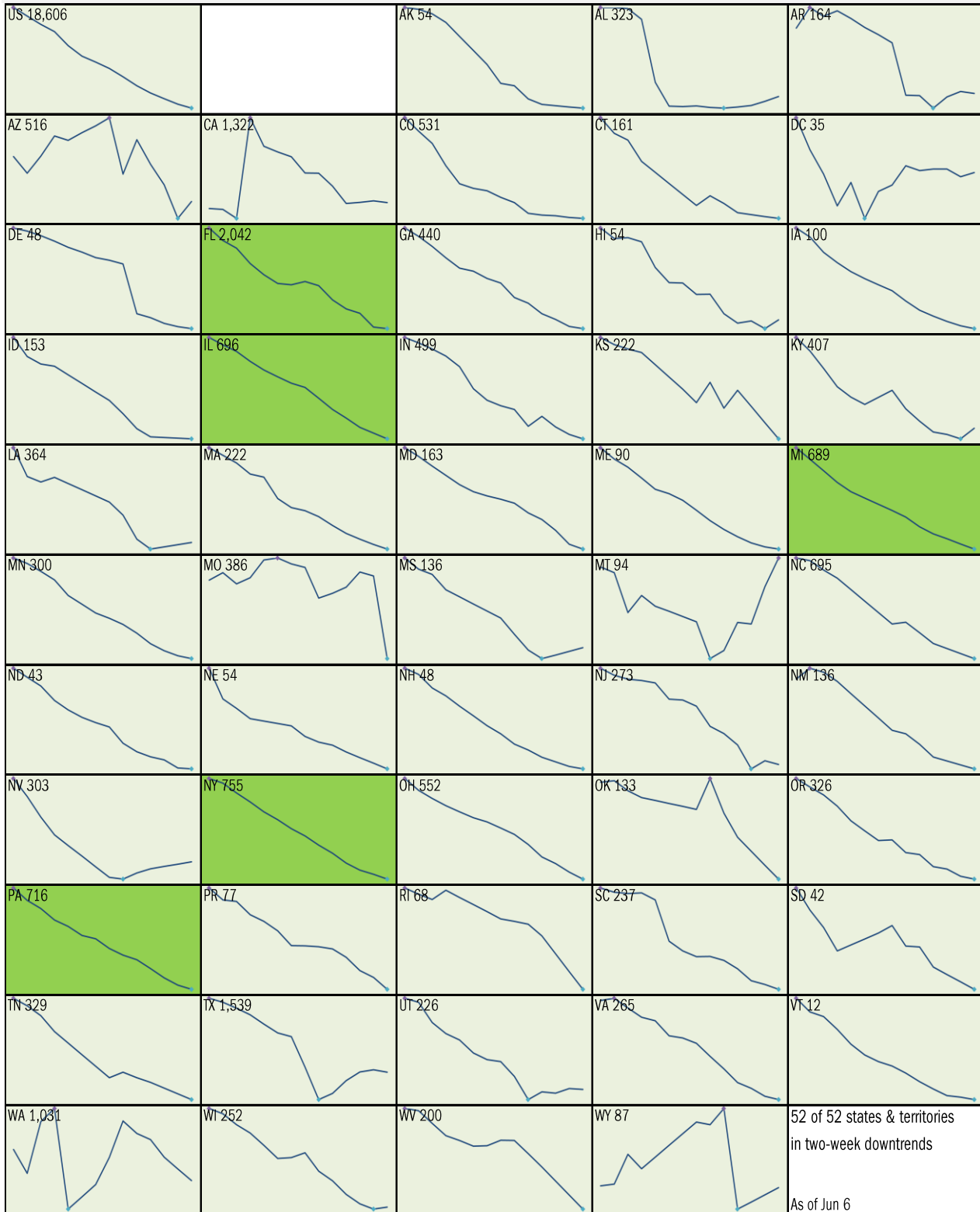
Vertical: days to double deaths Horizontal: days from first death

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

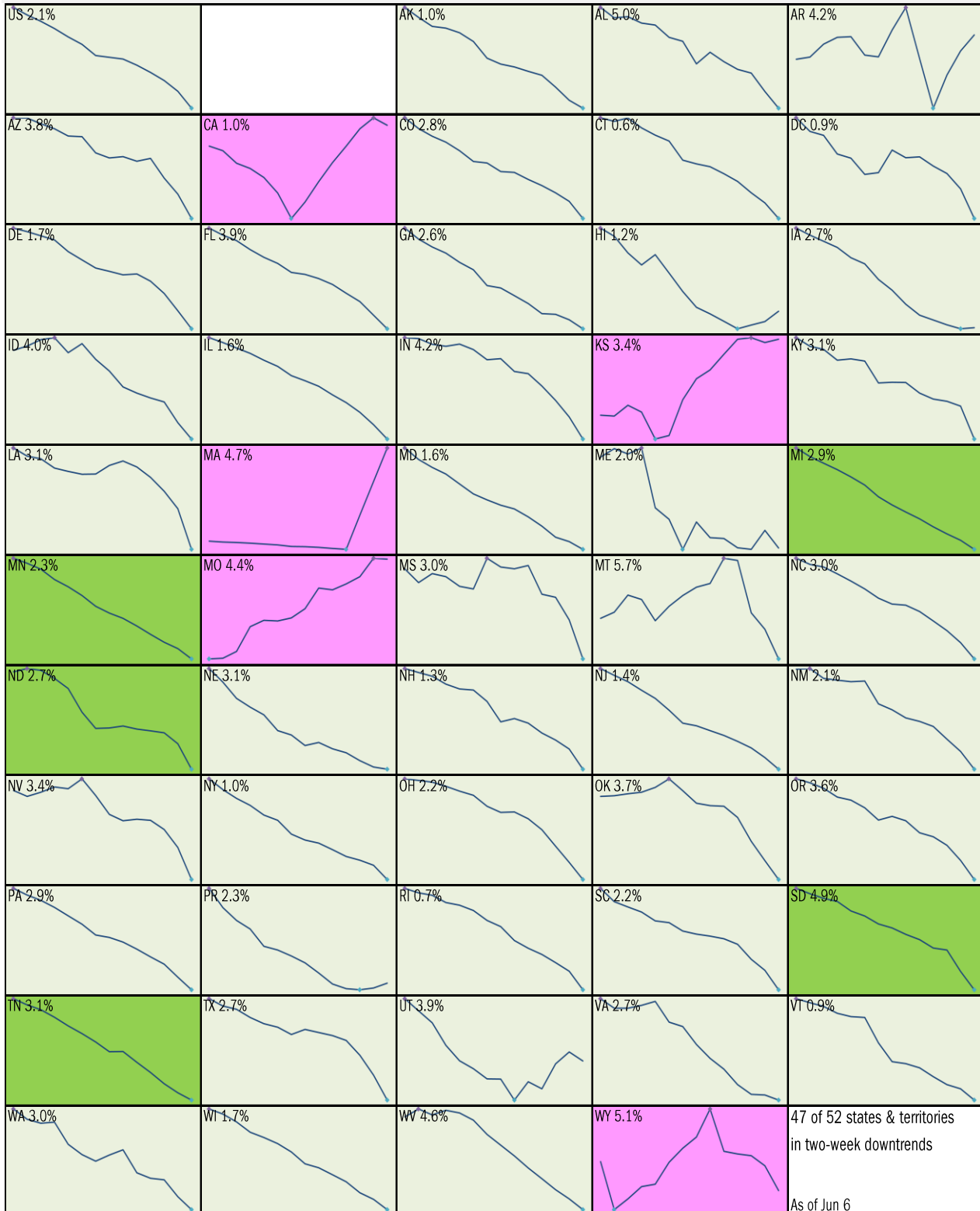


Source: [Johns Hopkins](#), TrendMacro calculations

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

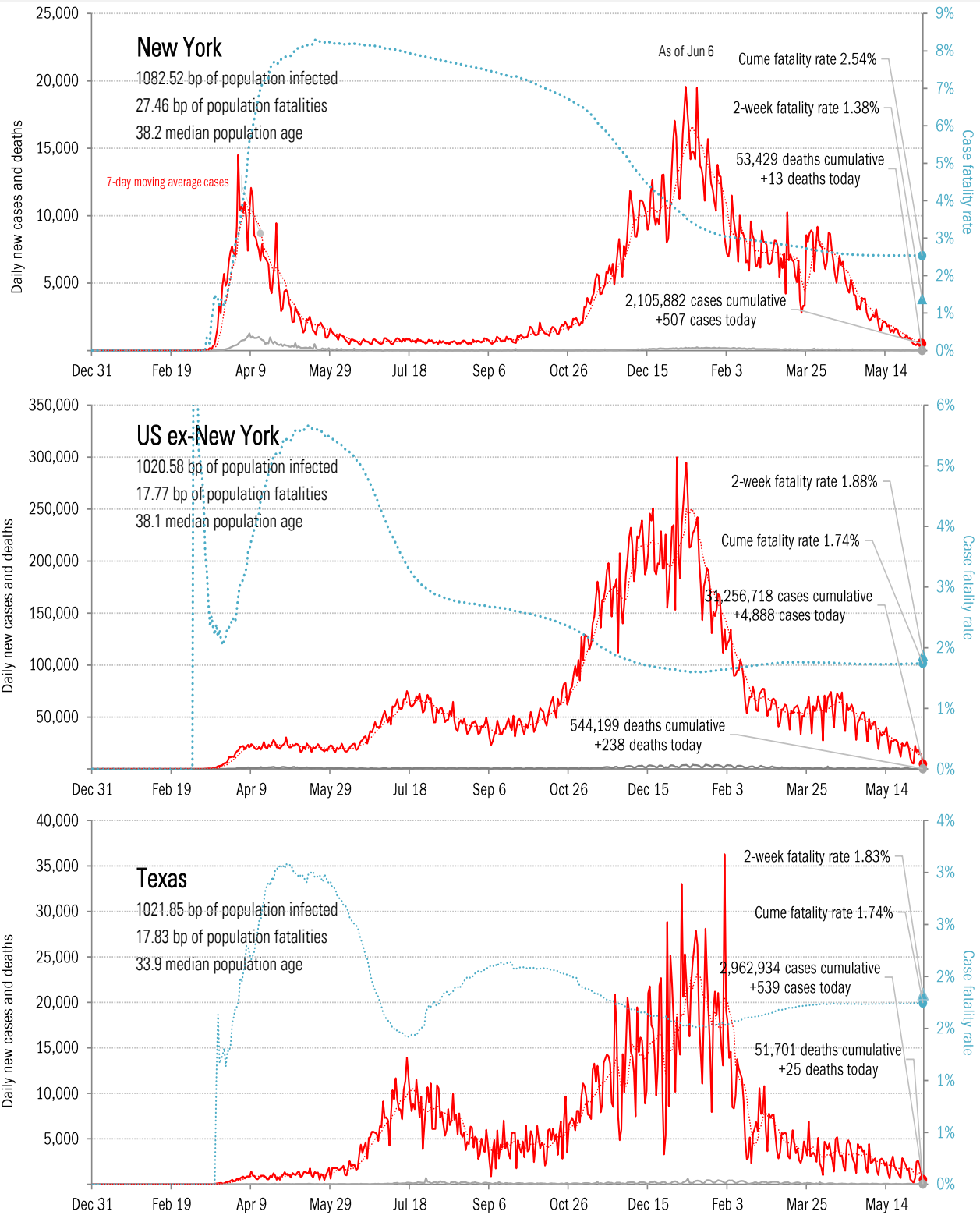
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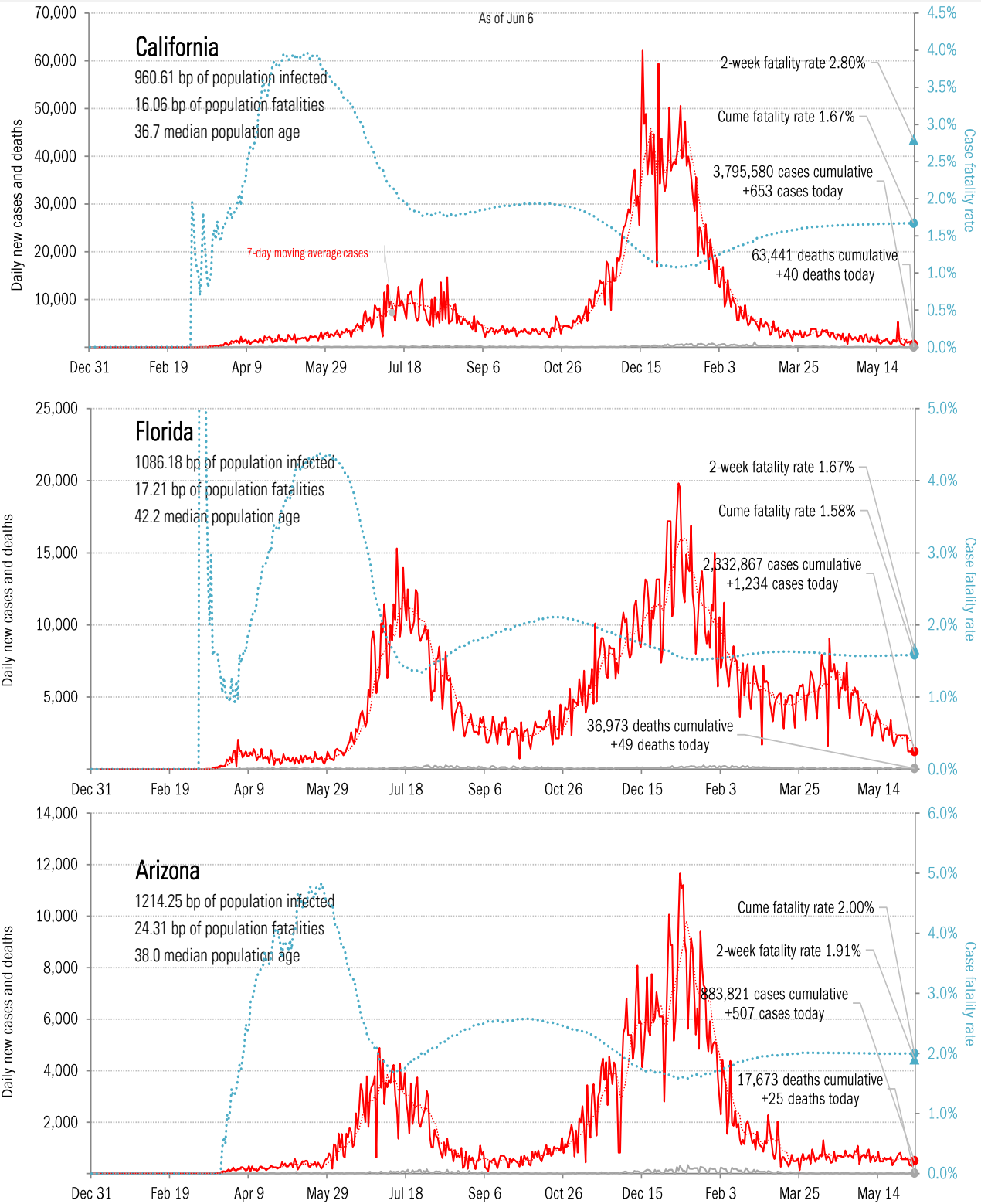
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



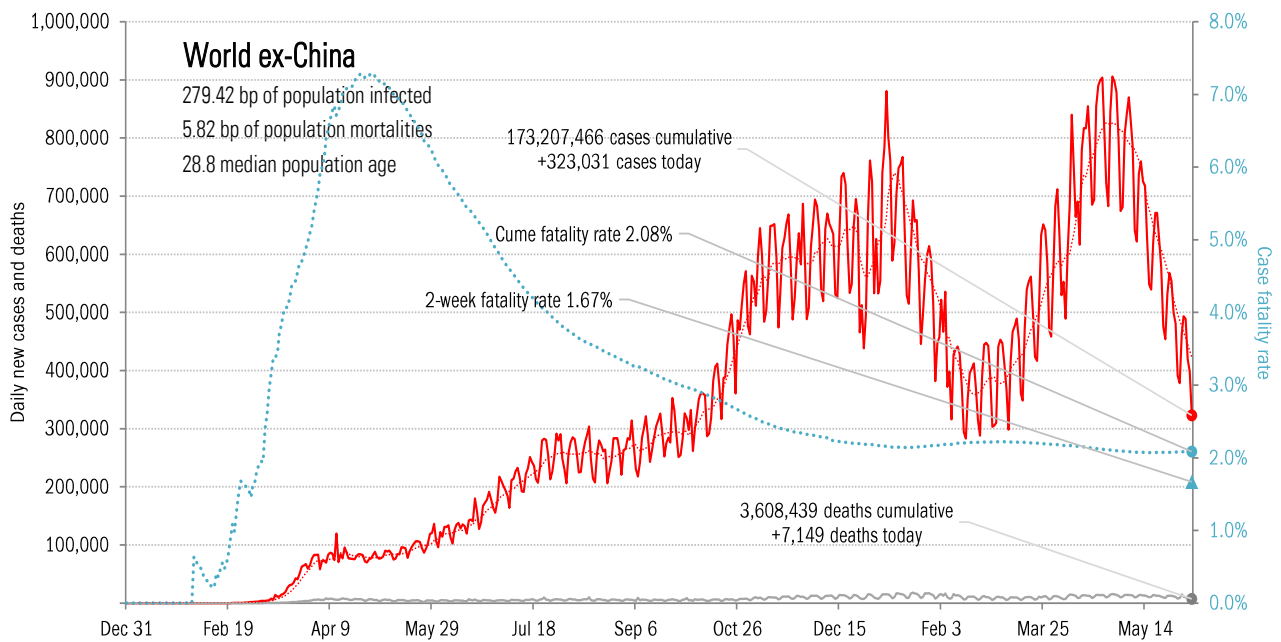
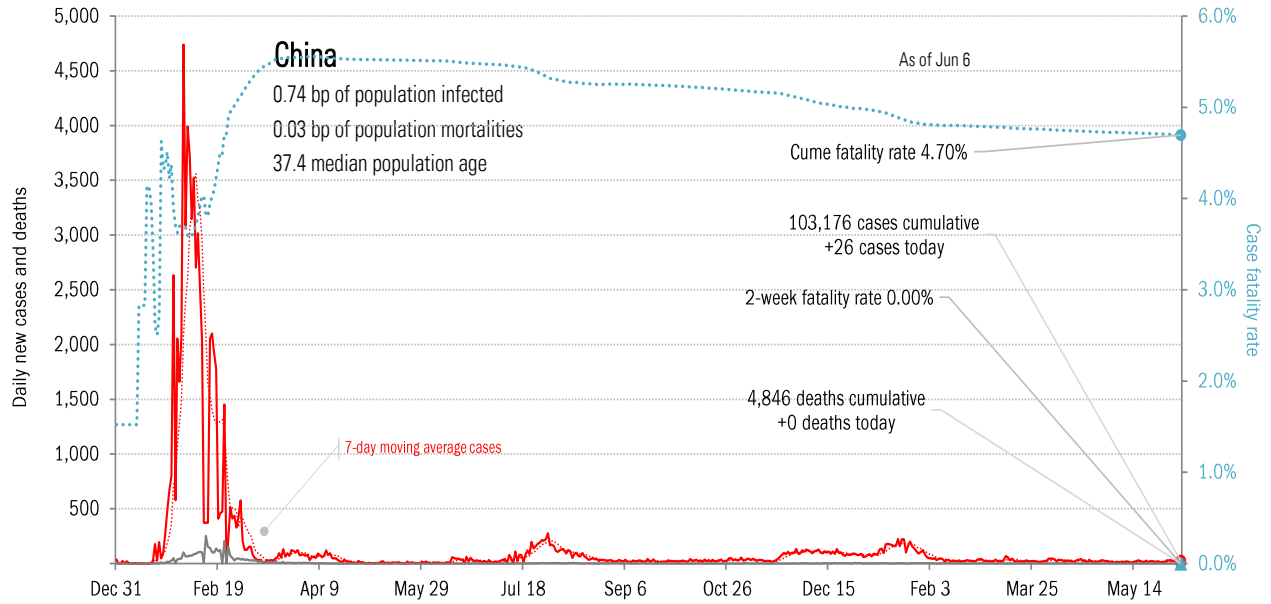
Source: [Johns Hopkins](#), TrendMacro calculations

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



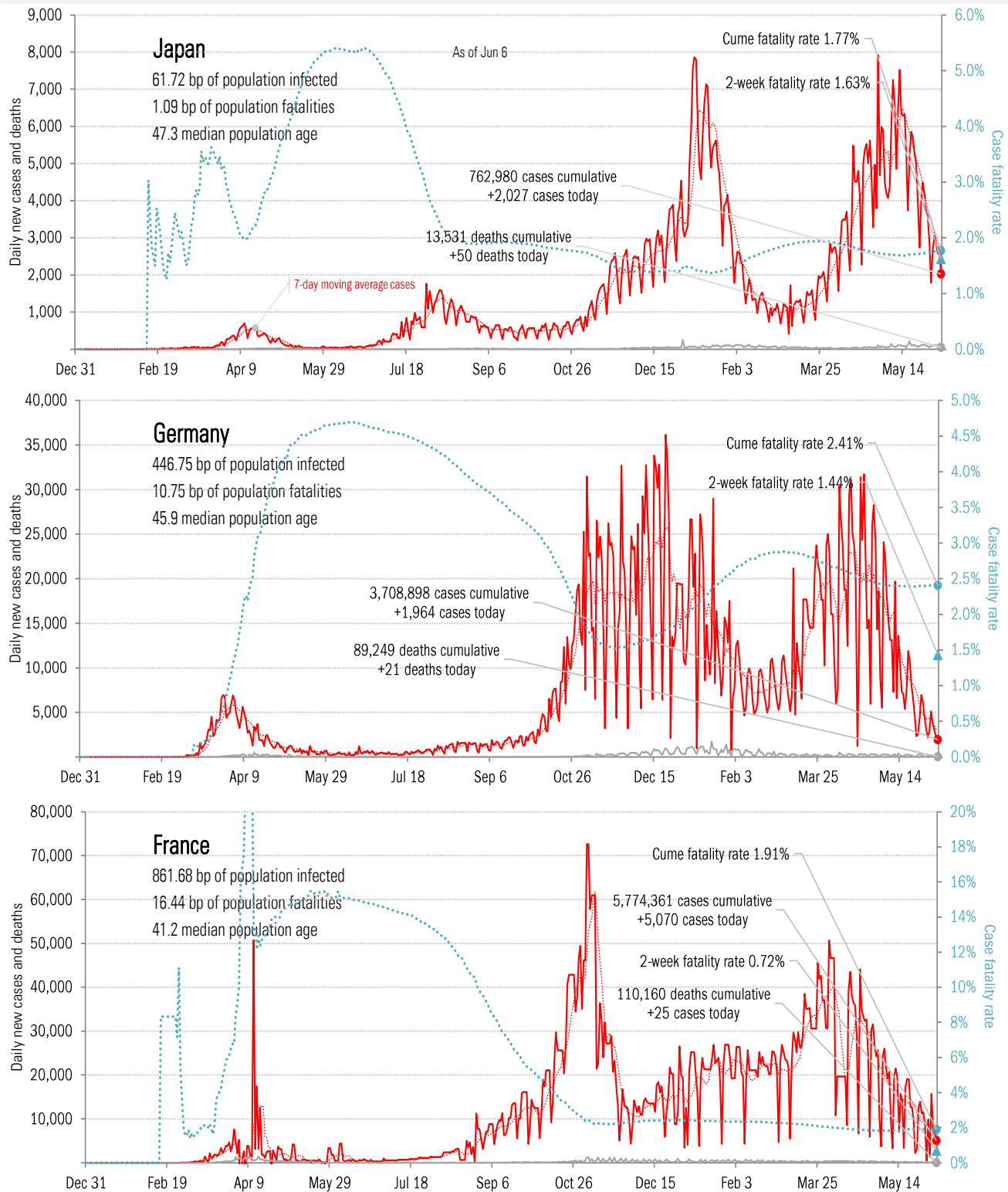
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



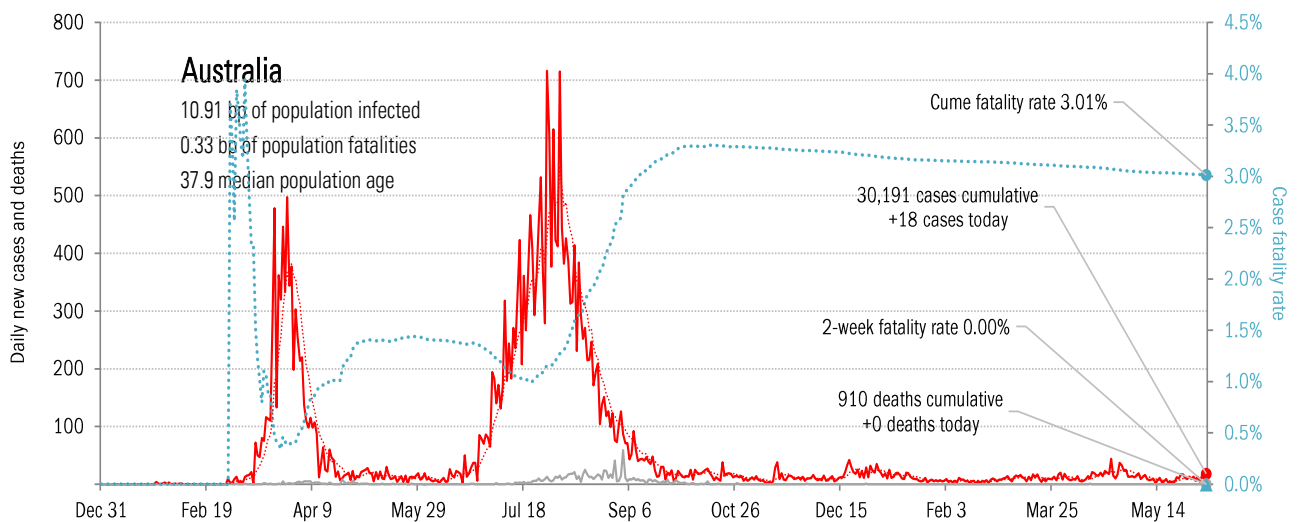
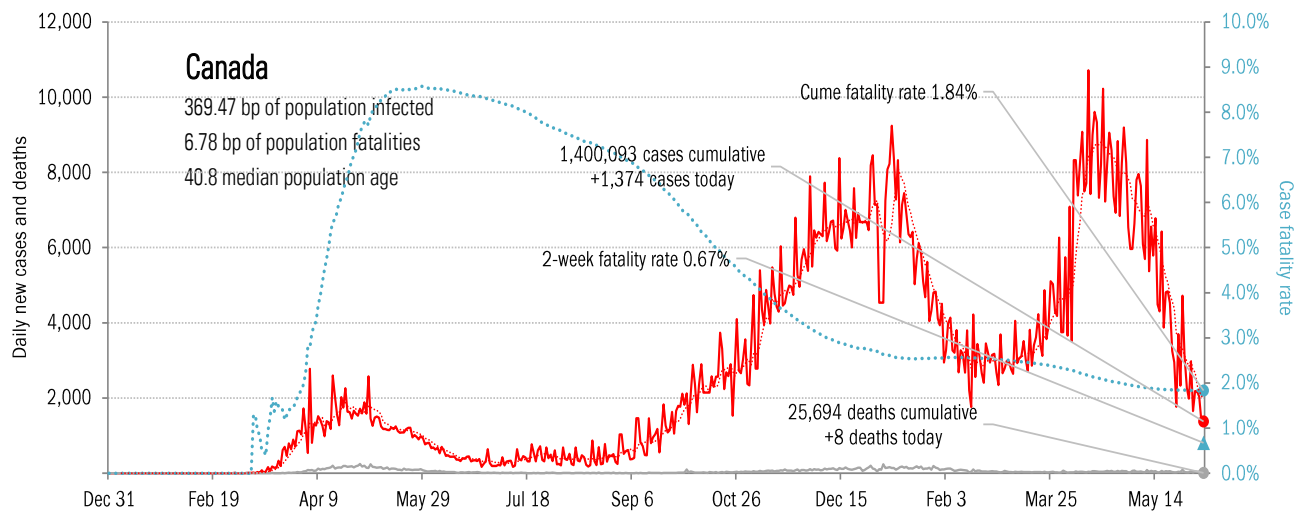
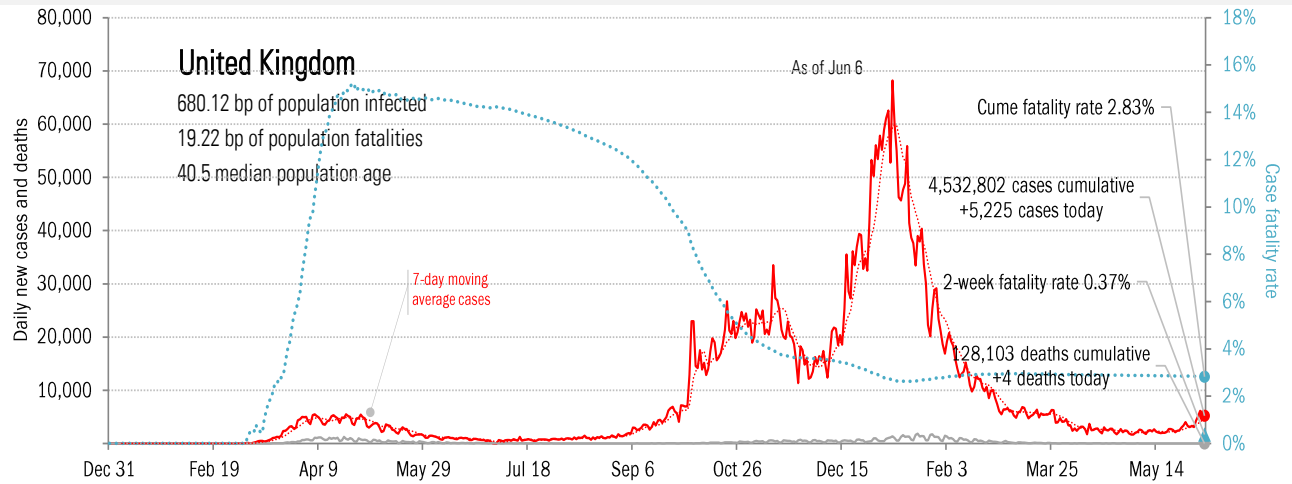
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



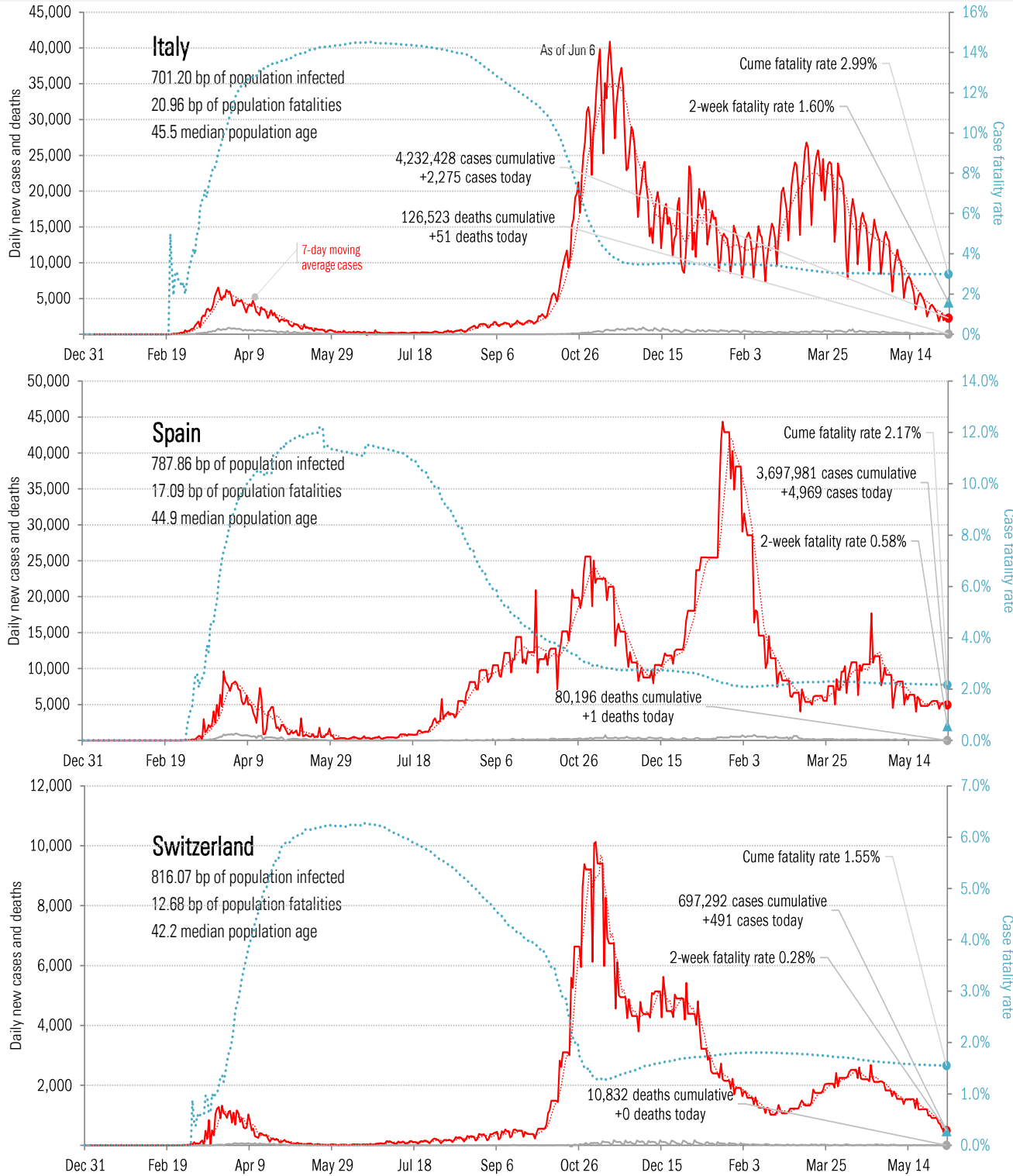
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



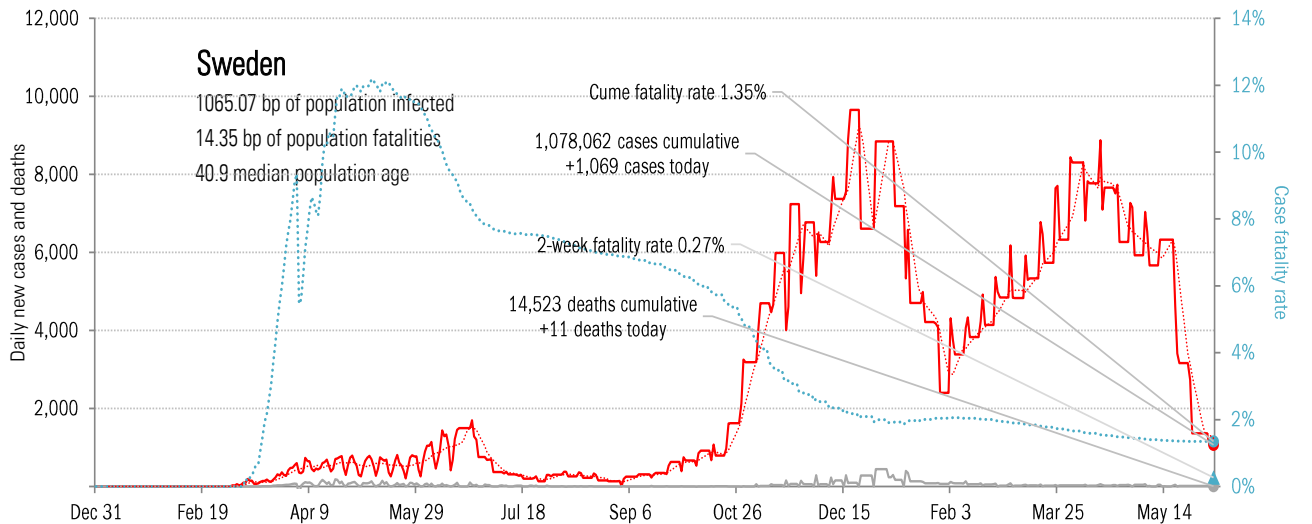
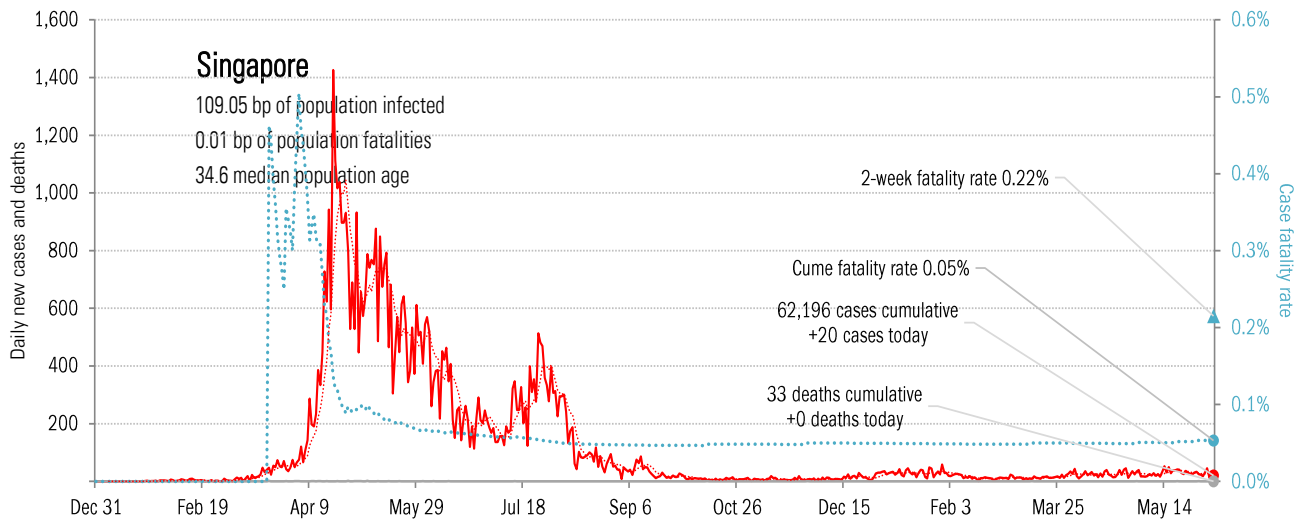
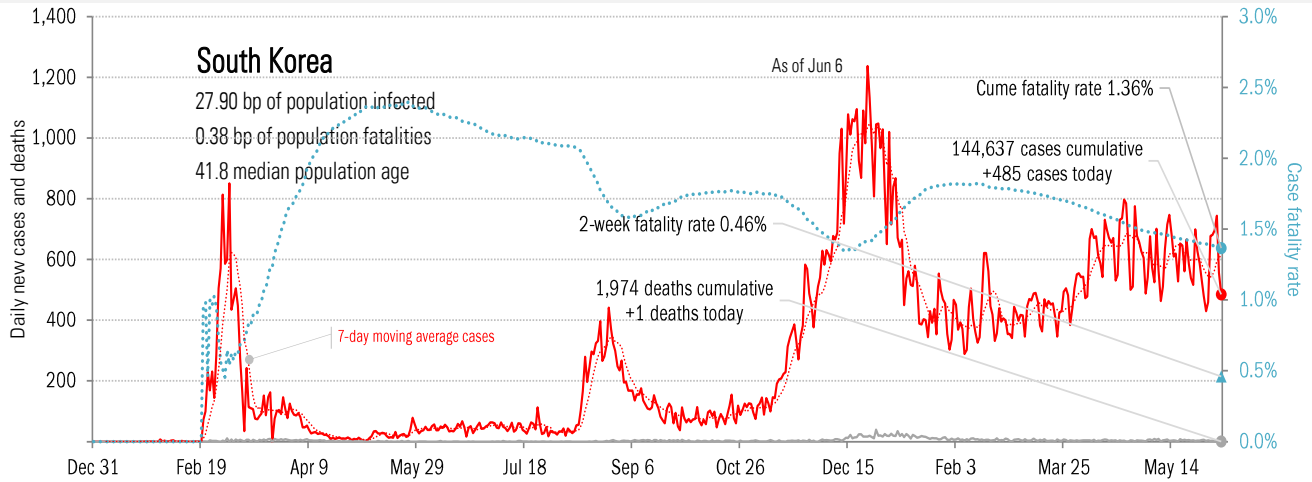
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



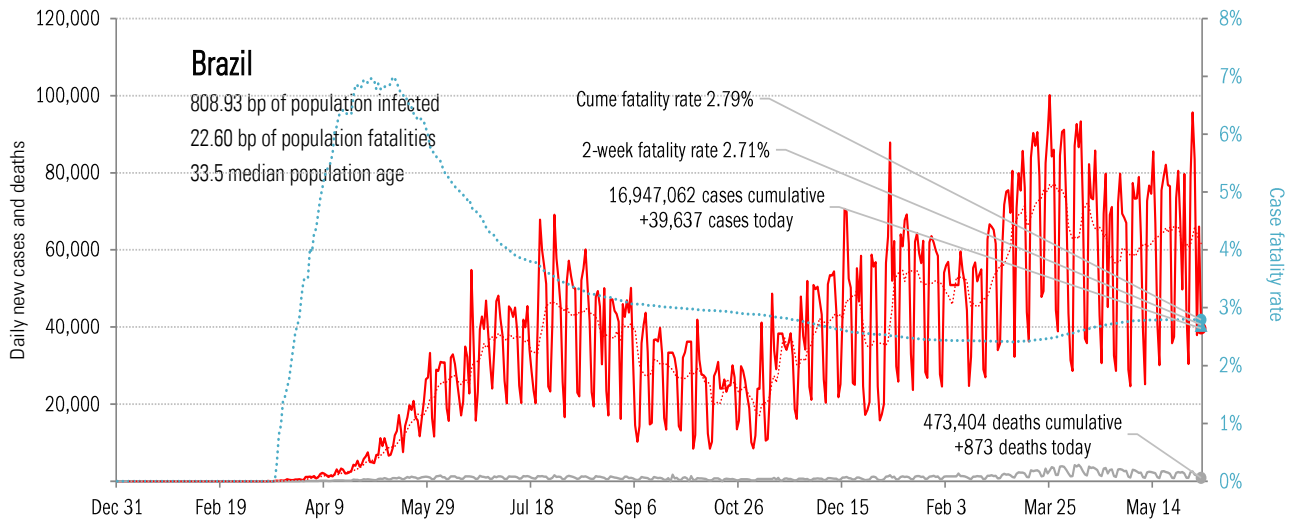
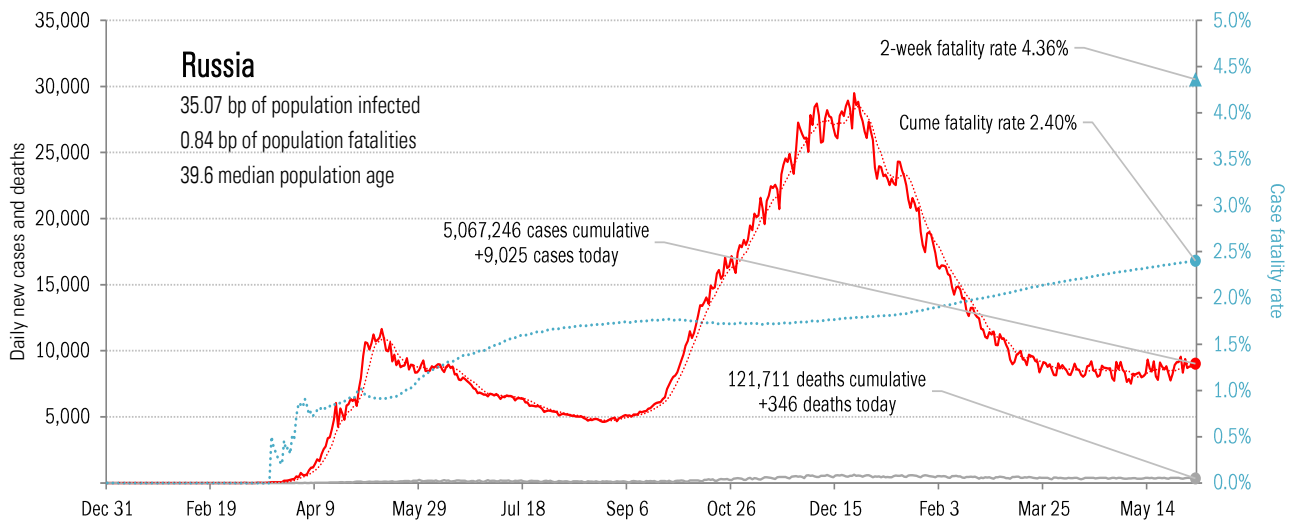
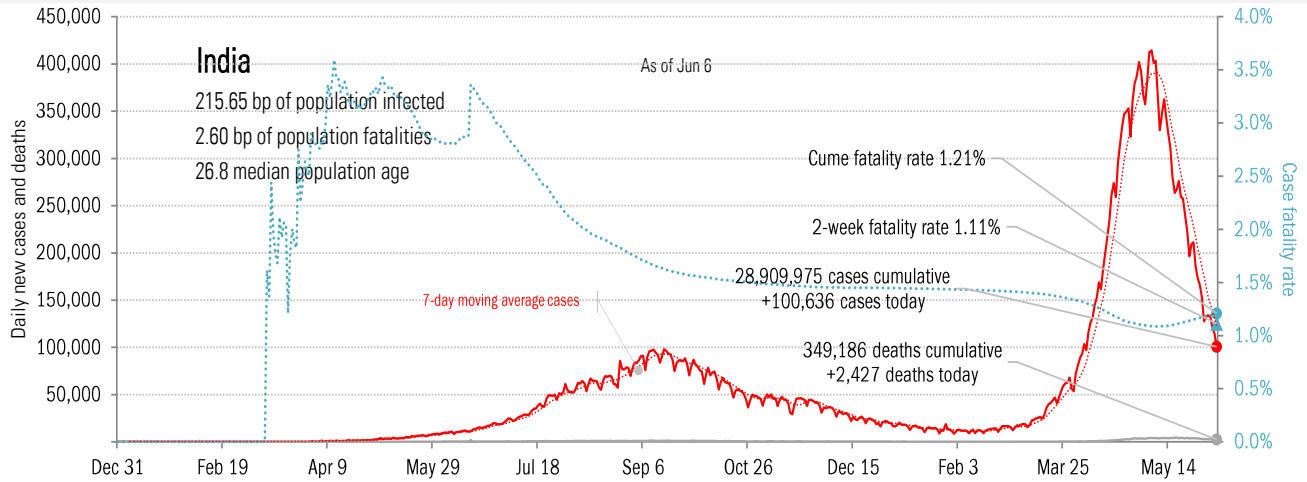
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



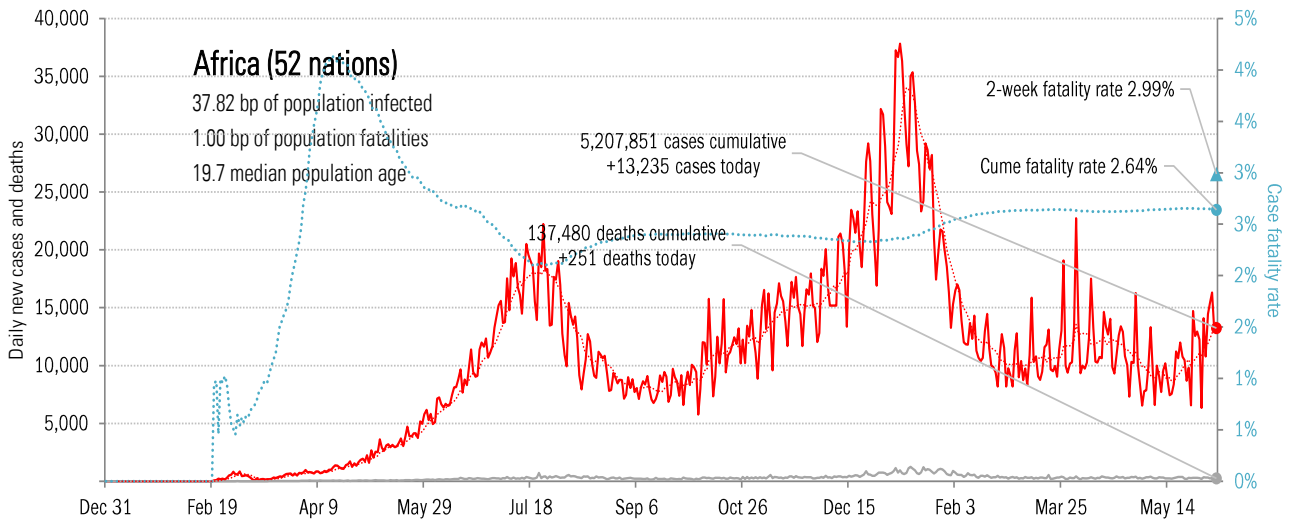
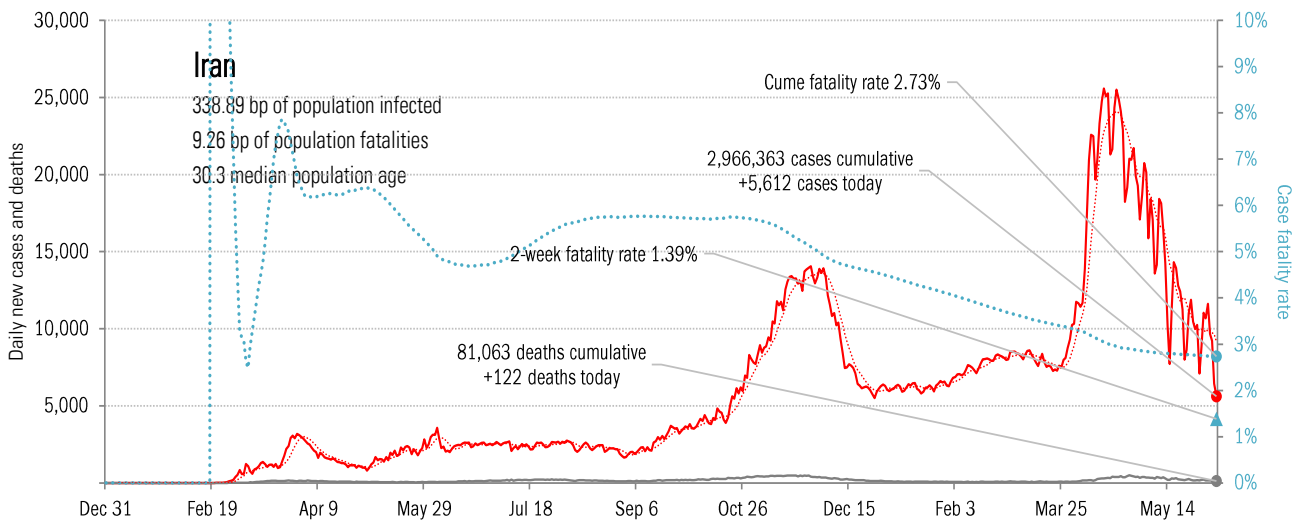
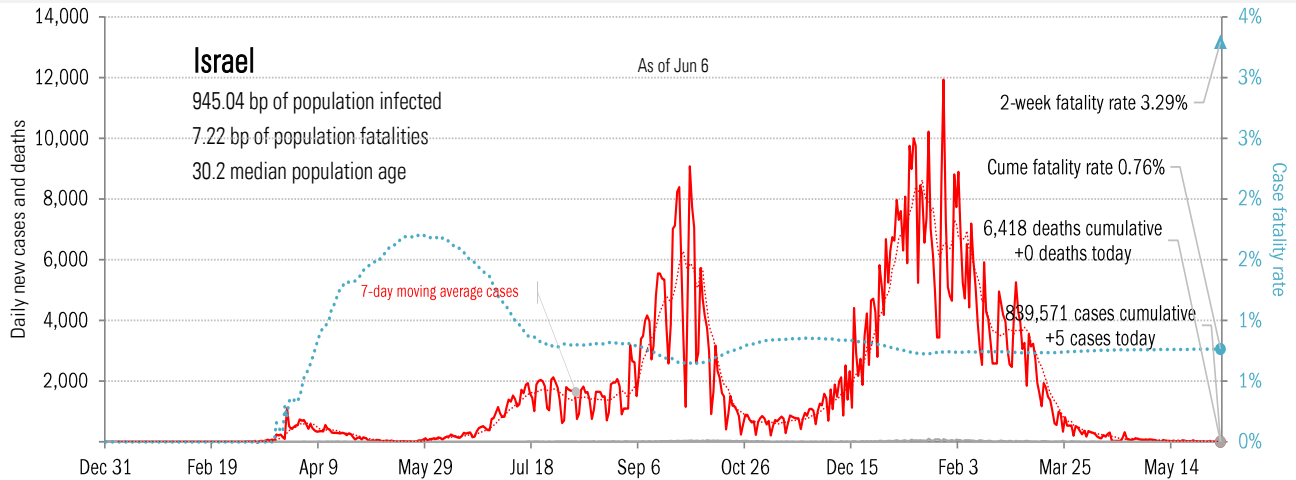
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



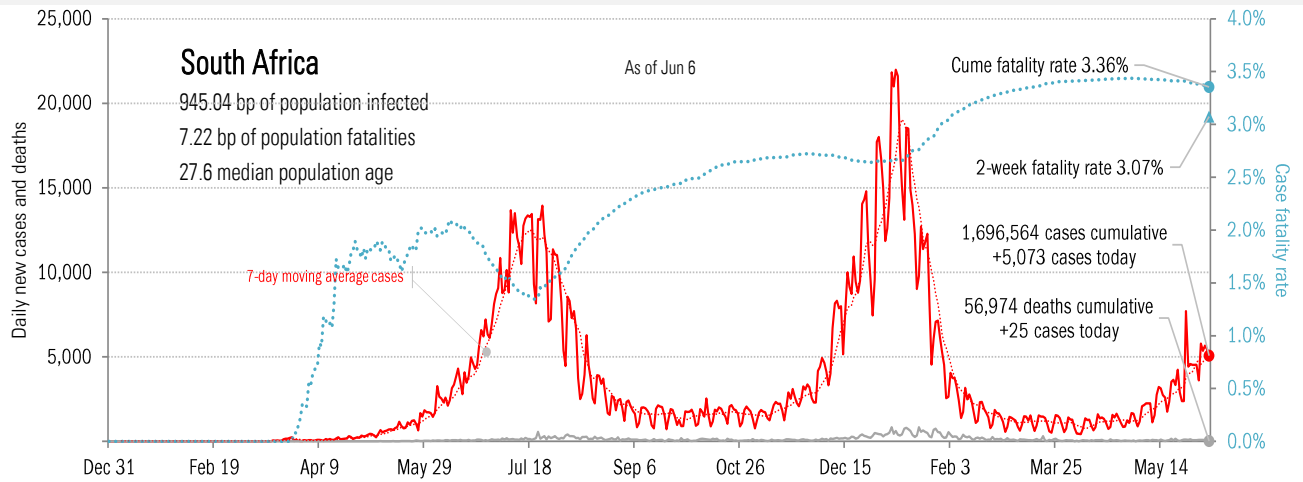
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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