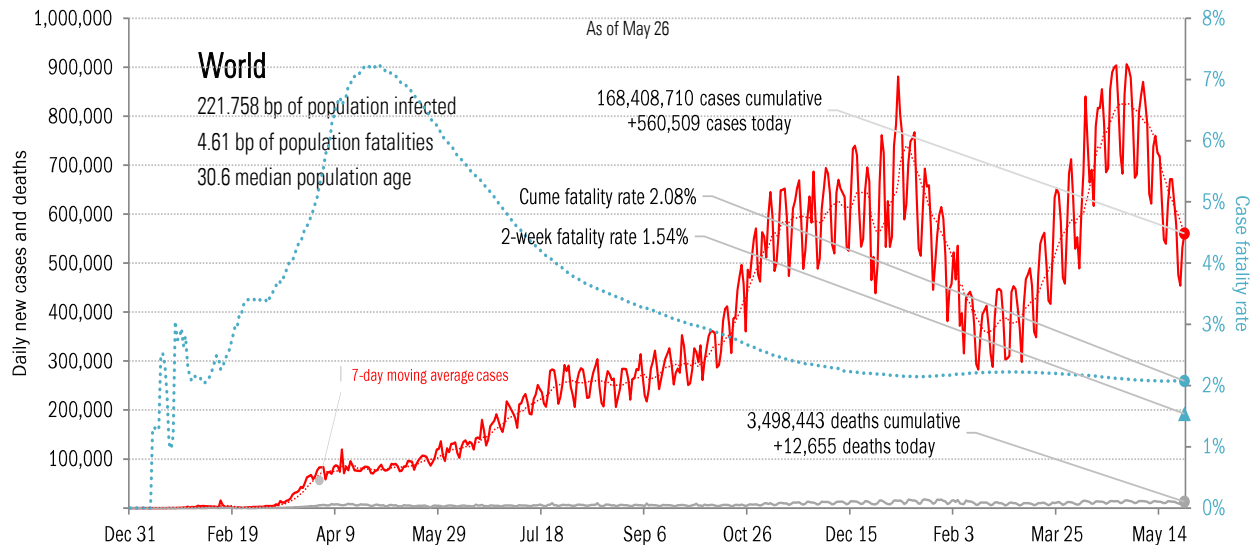
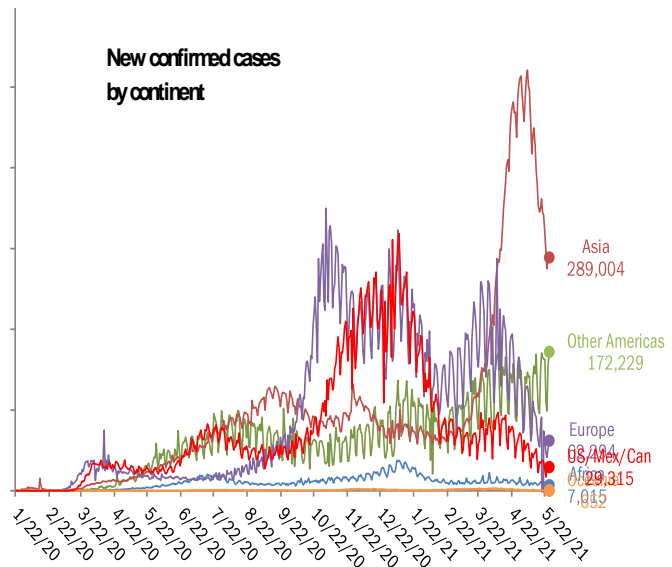


Data Insights: Covid-2019 Monitor

Thursday, May 27, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+211,298	India	+3,847
Brazil	+80,486	Brazil	+2,398
Argentina	+35,399	United States	+1,009
United States	+24,052	Argentina	+532
Colombia	+23,487	Colombia	+514
France	+12,657	Russia	+398
Iran	+10,468	Mexico	+272
Turkey	+8,738	Germany	+267
Russia	+8,247	Ukraine	+216
Malaysia	+7,478	Poland	+209
World		World	
+560,509		+12,655	
Top ten 75%		Top ten 76%	



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

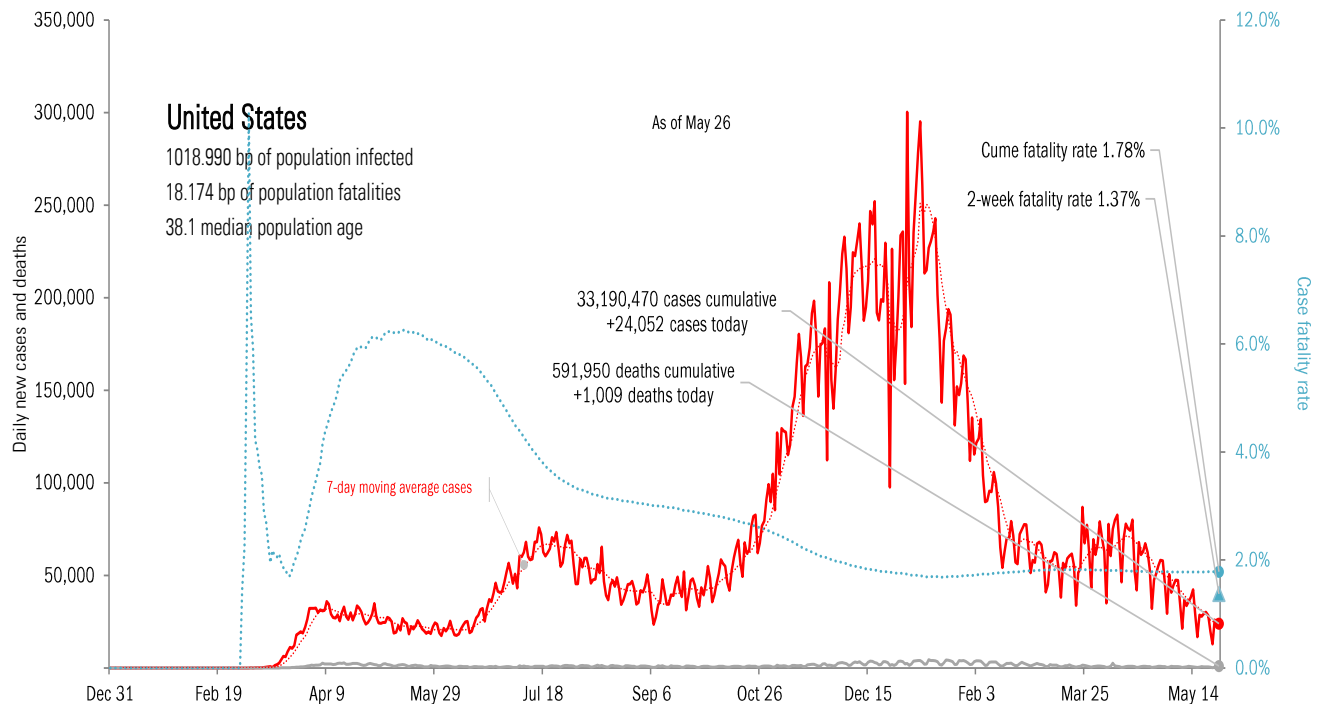
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+2,327		OK	+373		GA	+72		CA	3,781,120		CA	63,017		TX	246,271		R	92%	MI	19%
TX	+2,193		FL	+66		WA	+23		TX	2,948,986		NY	53,208		CA	234,846		MA	83%	CO	18%
WA	+1,755		TX	+62		KS	+21		FL	2,316,142		TX	51,350		FL	177,500		MO	81%	ME	14%
IL	+1,135		CH	+44		TX	+17		NY	2,098,098		FL	36,647		NY	133,317		GA	81%	MN	13%
CA	+1,122		GA	+36		WV	+10		IL	1,378,300		PA	27,079		GA	105,793		MD	80%	WV	13%
MI	+1,055		PA	+36		WY	+10		PA	1,199,935		NJ	26,159		PA	88,844		CT	80%	MD	13%
PA	+1,039		NJ	+35		NH	+9		GA	1,121,472		IL	25,057		CH	84,875		PA	80%	MO	12%
CH	+986		CA	+31		NM	+9		CH	1,099,580		GA	20,735		IL	79,802		MI	80%	NM	12%
NY	+898		IL	+28		MS	+8		NJ	1,014,974		MI	20,239		KY	74,543		DC	78%	ID	12%
NC	+866		NC	+27		DC	+6		NC	999,567		CH	19,753		MI	70,750		MN	78%	GA	12%
+13,376			+738			+185			17,958,174			343,244			1,296,541						
All states	+24,052		+1,009			-219			All states	33,190,470		591,950			2,323,393			All states	70%	67%	
Top ten	56%		73%			-84%			Top ten	54%		58%			56%			Median	72%	8%	

Some states not reporting

Five most improved US states

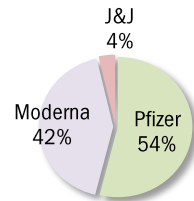
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
LA	-624	MI	-57	FL	-72	FR	+135 bp
CO	-572	MO	-25	KY	-49	MD	+94 bp
TX	-335	VA	-15	NC	-39	VT	+46 bp
VA	-331	FL	-14	AZ	-34	MA	+42 bp
CA	-321	SC	-12	NY	-25	DC	+35 bp



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	372,293,385				+0.854 million	US	39.4%	49.4%
Doses administered	298,208,829				+1.451 million	UK	34.8%	56.5%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	15.0%	35.2%
Total population	169,509,298	51%	135,706,066	41%	+0.785 million	Spain	18.0%	36.8%
Age 12 to 17	5,521,590	22%	2,078,538	8%	+0.042 million	Germany	15.6%	41.5%
Age 18 to 64	115,613,906	57%	91,602,615	45%	+0.652 million	Italy	18.0%	36.3%
Age 65 and over	48,332,155	88%	42,016,118	77%	+0.091 million	Australia	1.9%	13.0%
						Israel	59.2%	62.9%
						Canada	4.6%	53.5%
						Japan	2.4%	6.0%
						Africa	0.5%	1.7%
						India	3.1%	11.3%
						Brazil	10.0%	20.3%



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 **125 days** by Sep 27, 2021

63.9% of population >18 immunized
14.0% previously tested positive
77.9% vs 60% adult herd immunity*

Global data differs from sources, timing

AK
59.0%
45.5%
38.8%

ME
68.4%
62.4%
53.2%

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As of May 26

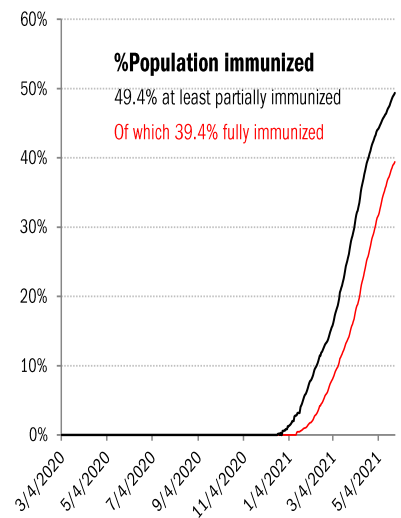
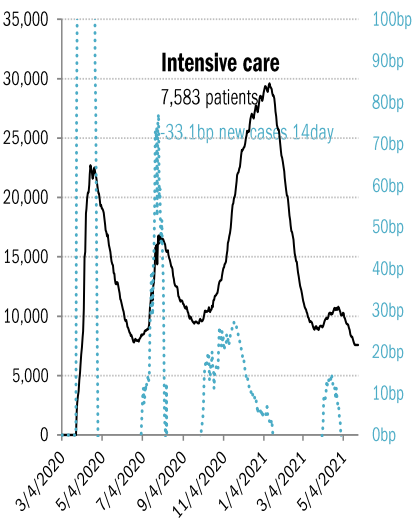
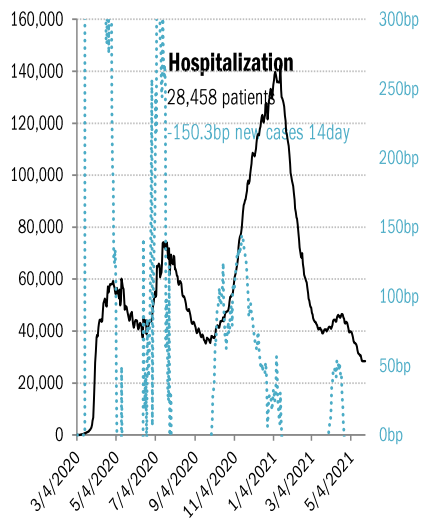
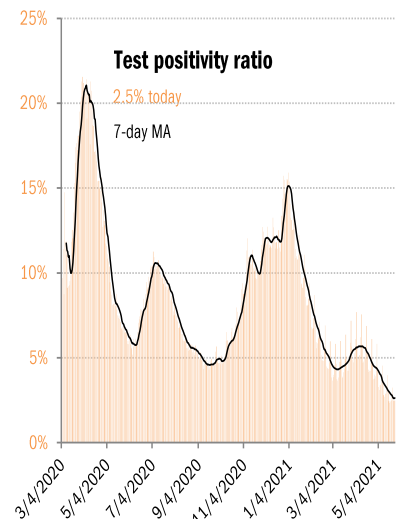
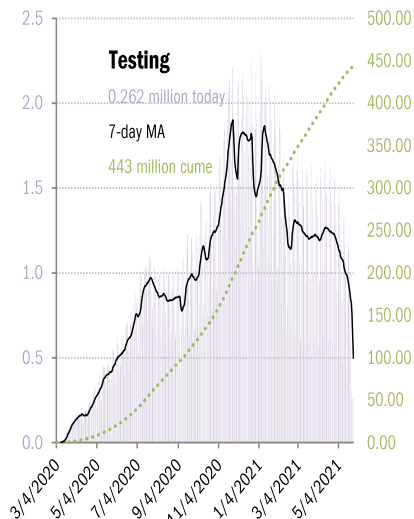
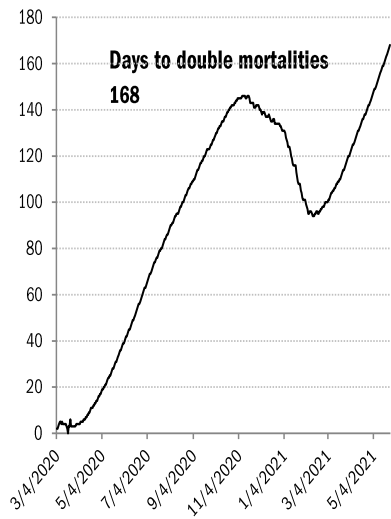
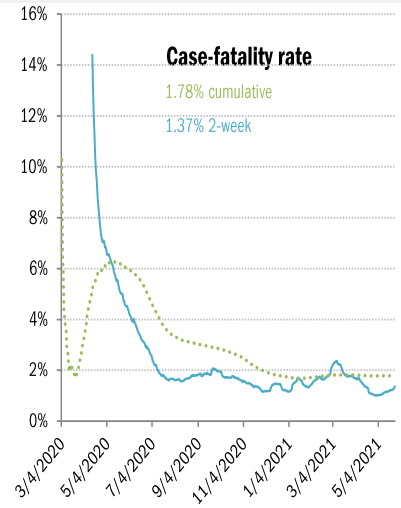
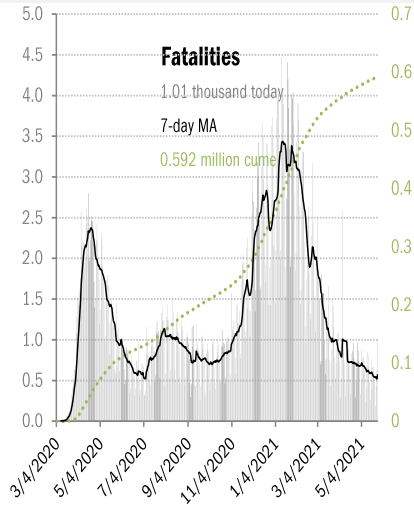
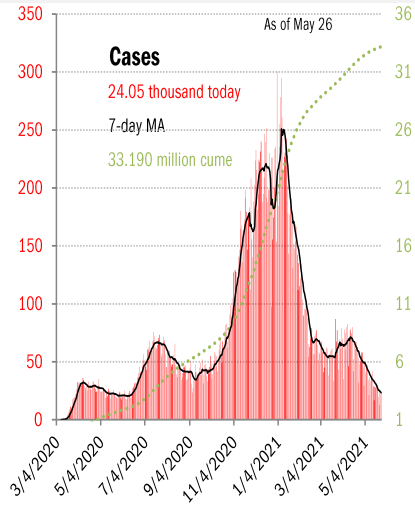
* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

** 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

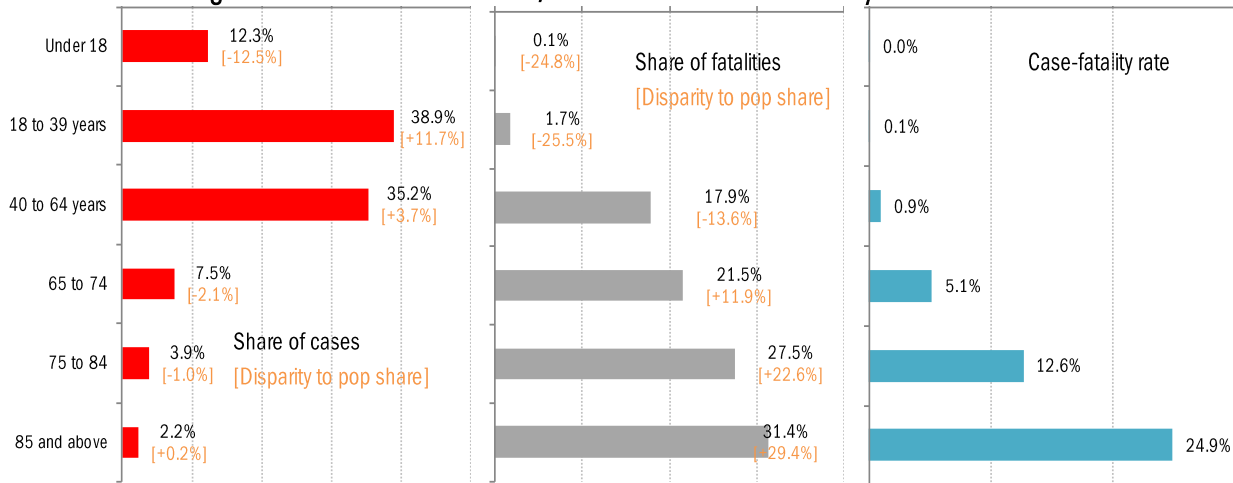
US deep-dive

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

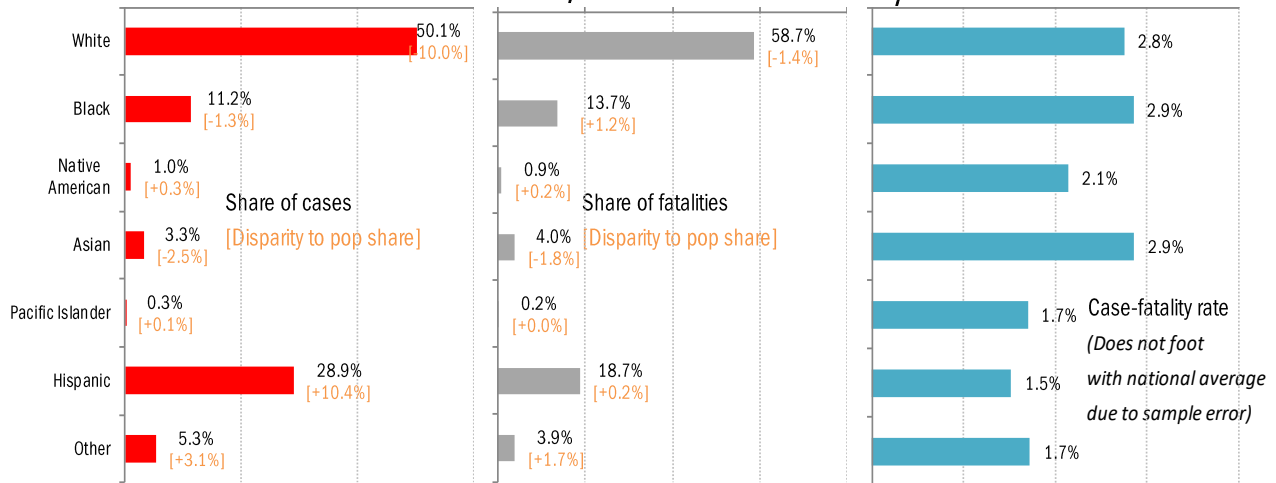


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

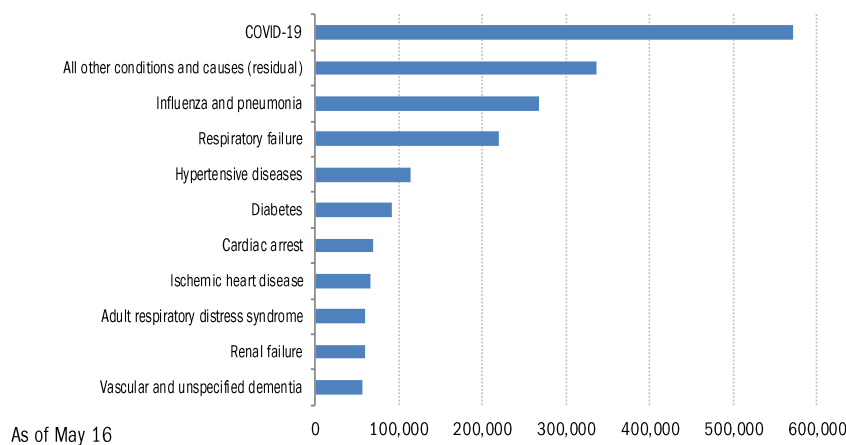


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Statement by President Joe Biden on the Investigation into the Origins of COVID-19](#)

The White House

May 26, 2021

[The Virus Lab Theory's New Credibility](#)

Wall Street Journal

May 26, 2021

[PolitiFact retracts Wuhan lab theory 'fact-check'](#)

Becket Adams

Washington Examiner

May 22, 2021

[Mission impossible? The space film race](#)

The Economist

May 27, 2021

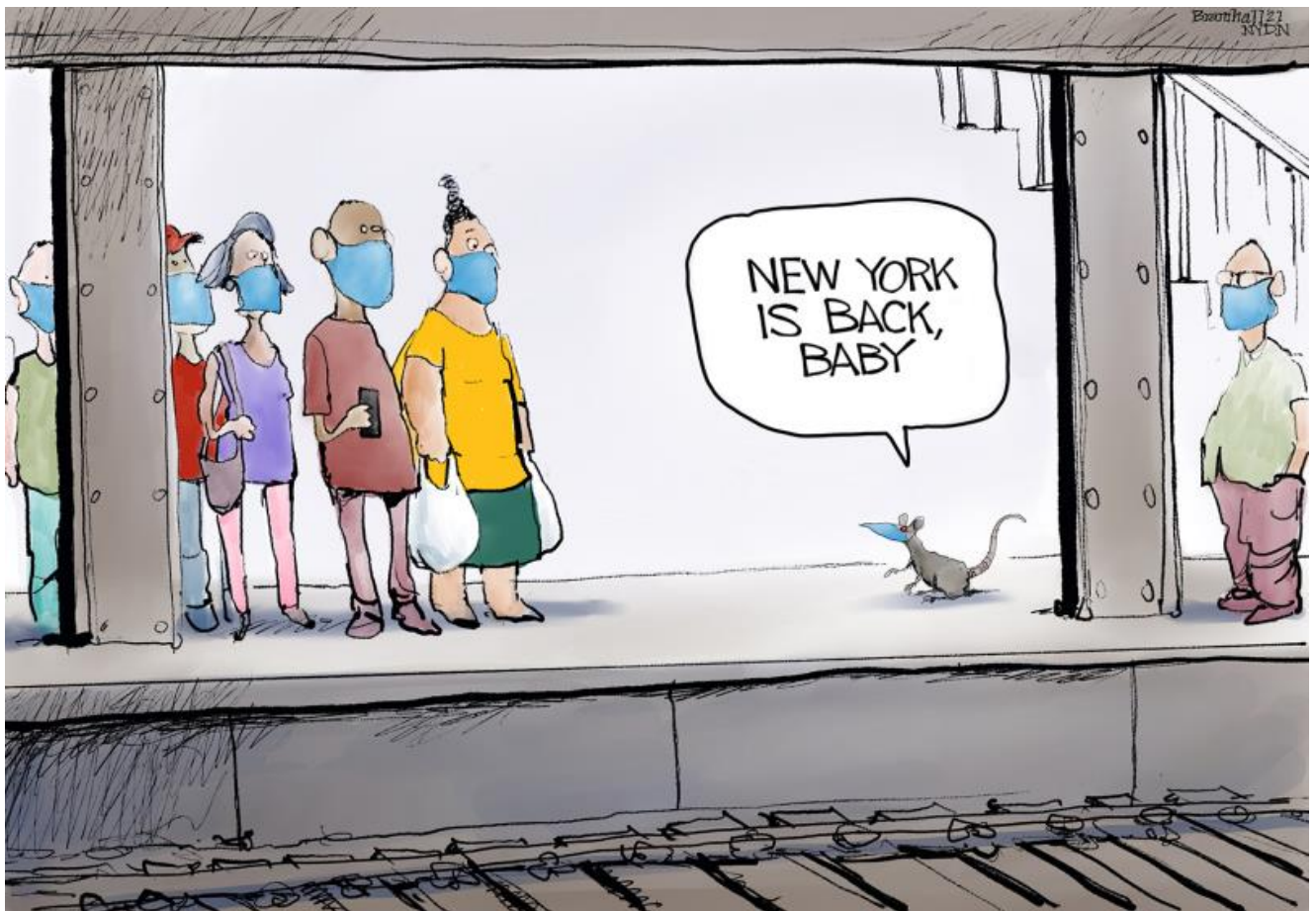
[Reopening Is Inflation's Cure, Not Cause](#)

Jason M. Thomas

Wall Street Journal

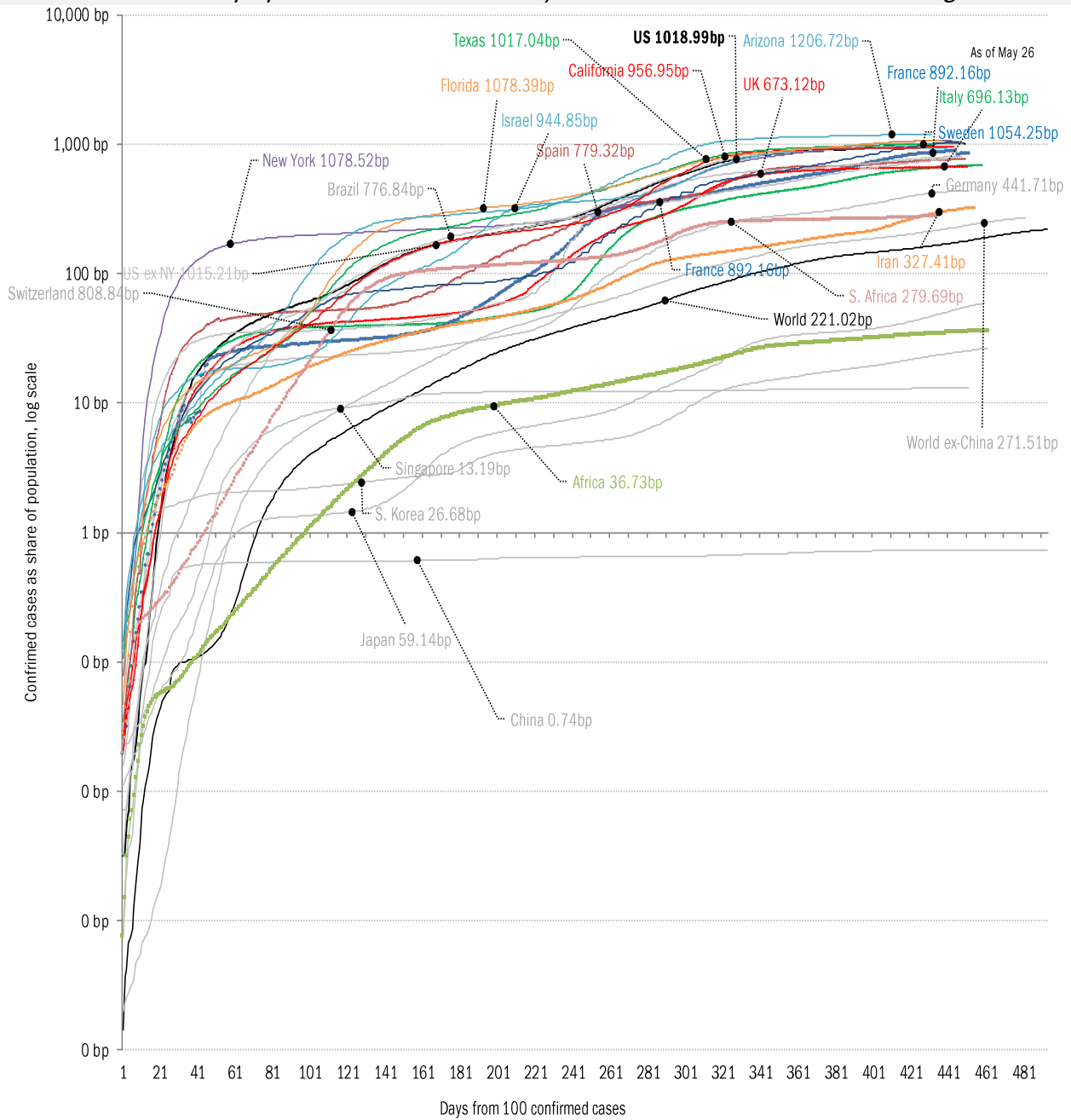
May 26, 2021

Meme of the day



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

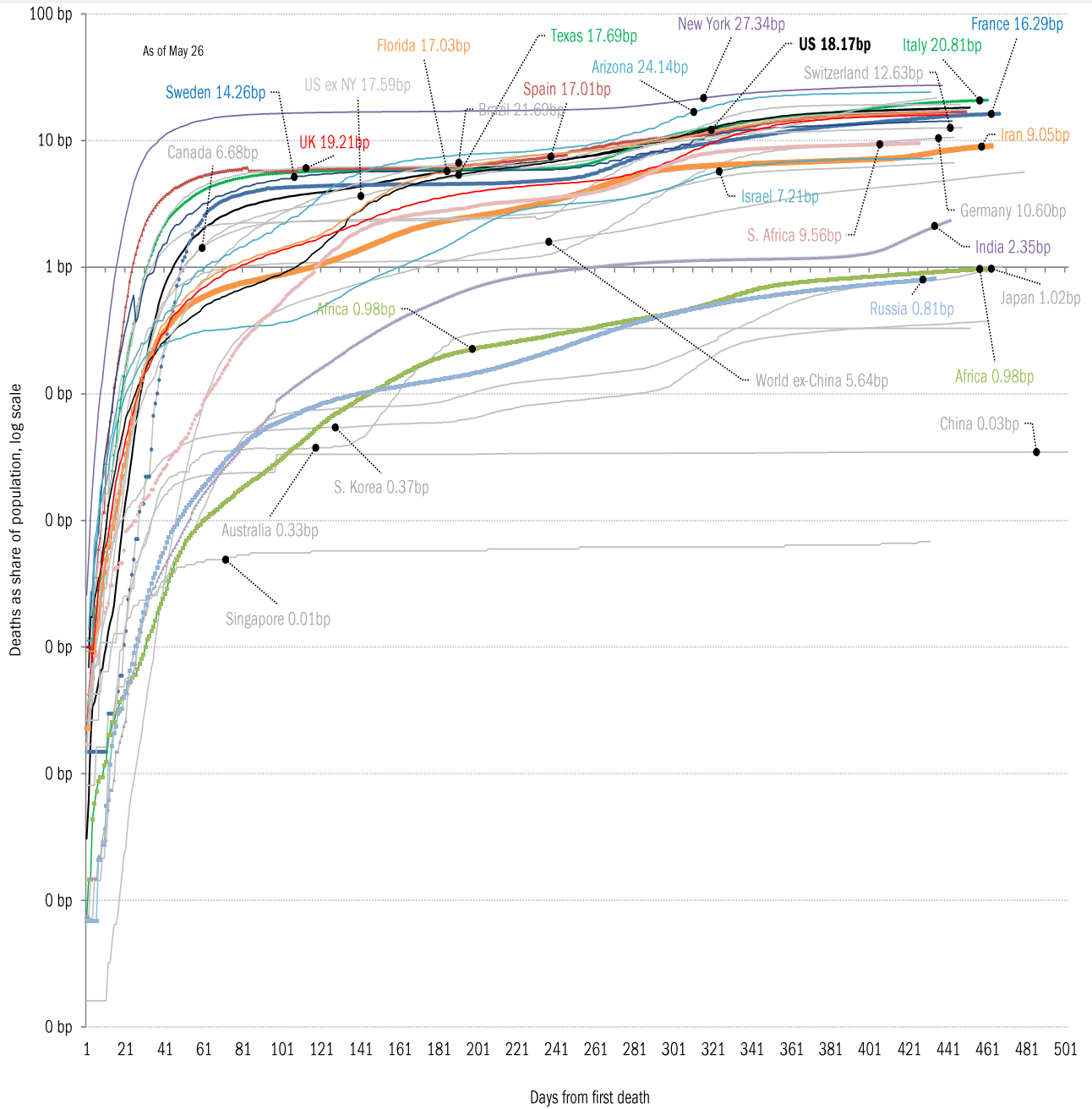
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

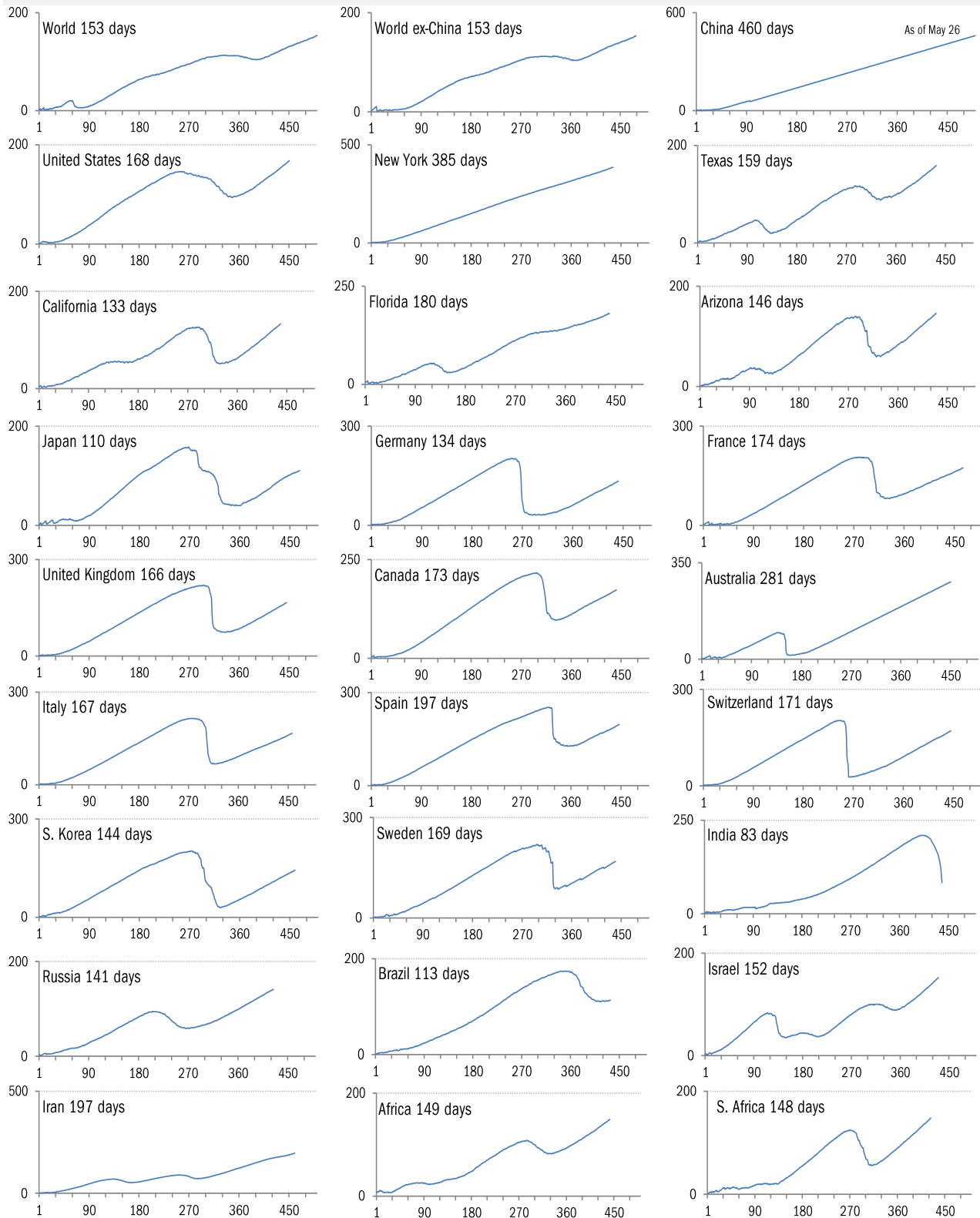


Source: [Johns Hopkins](#), TrendMacro calculations

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

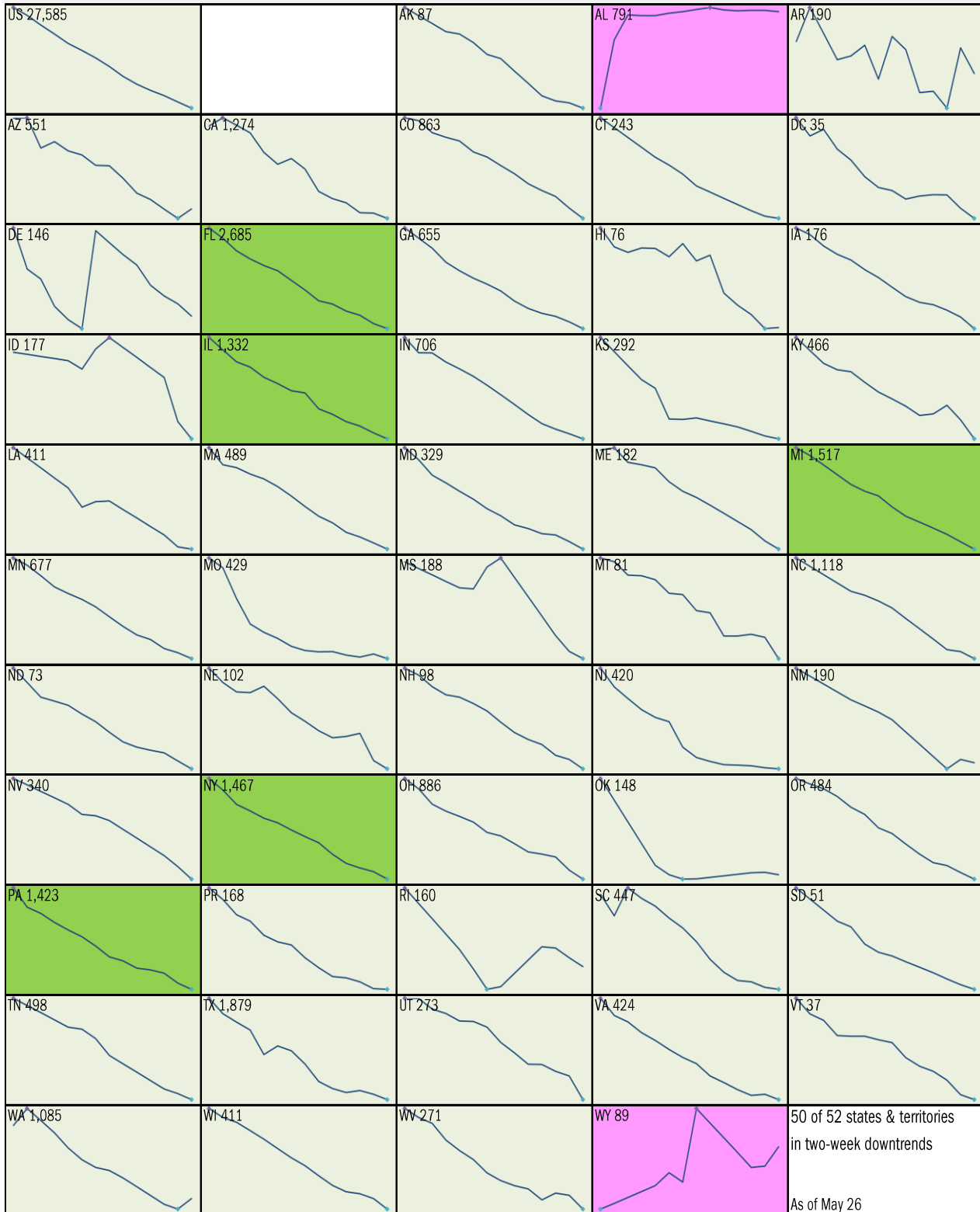
Vertical: days to double deaths Horizontal: days from first death

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

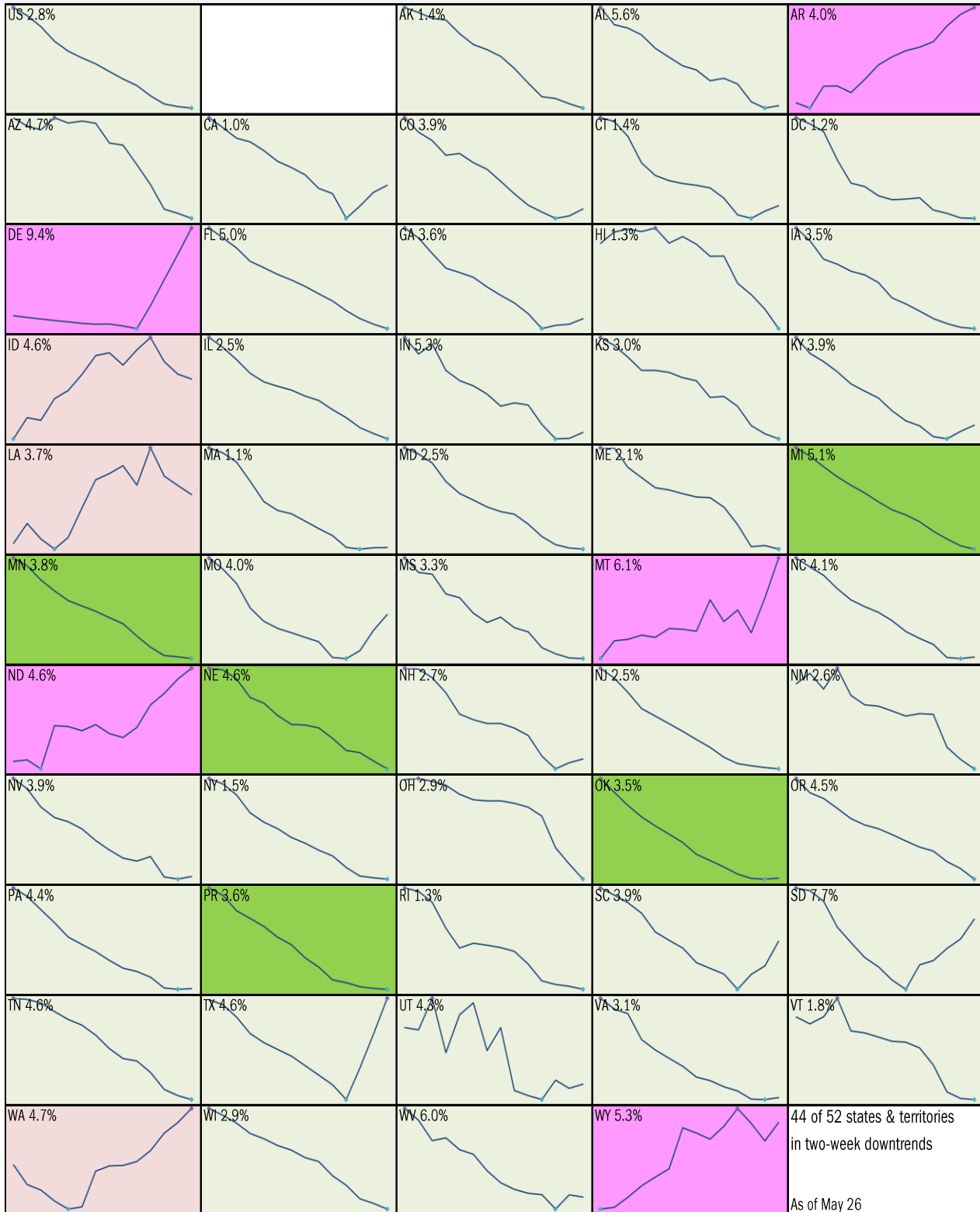


Source: [Johns Hopkins](#), TrendMacro calculations

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

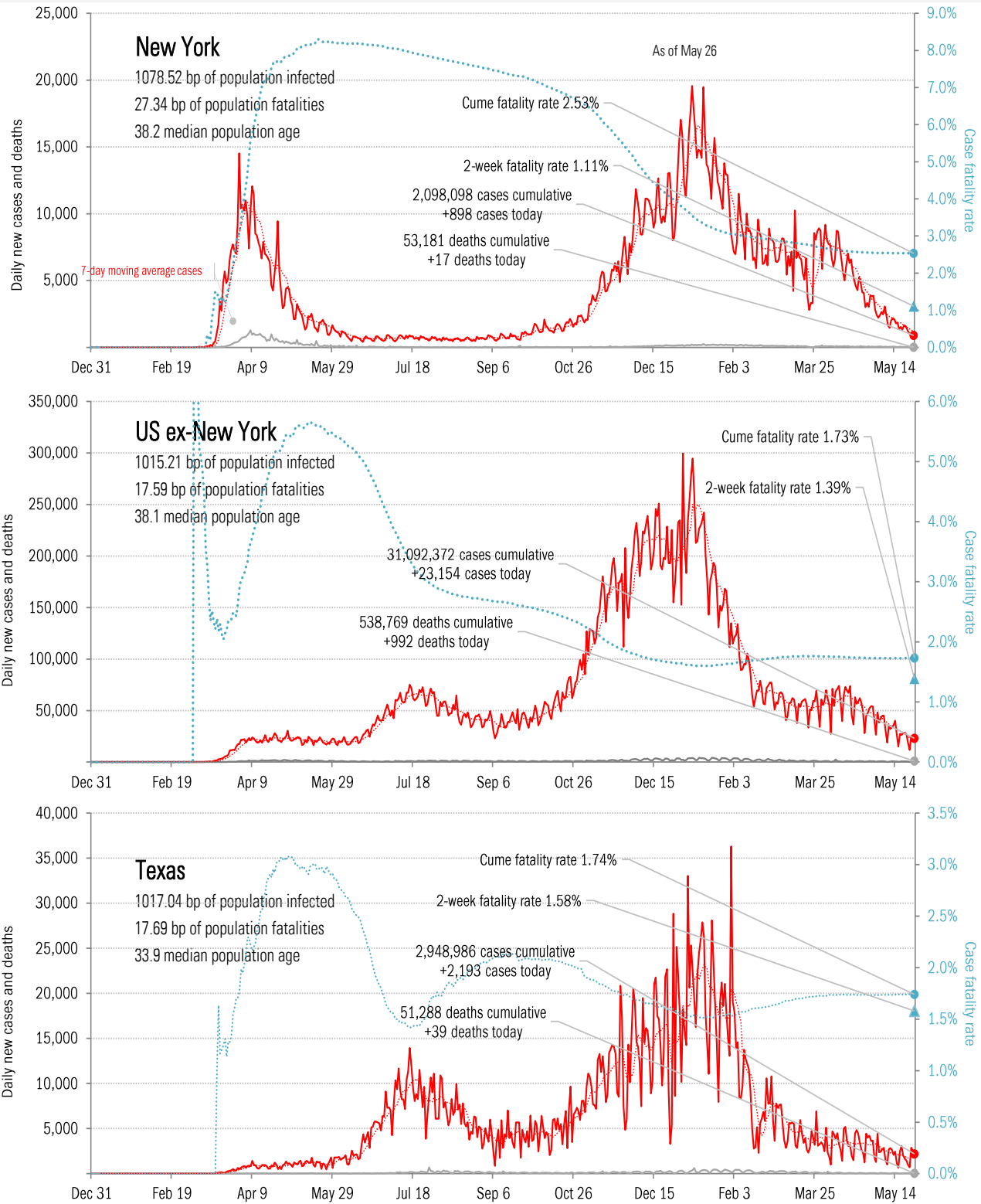
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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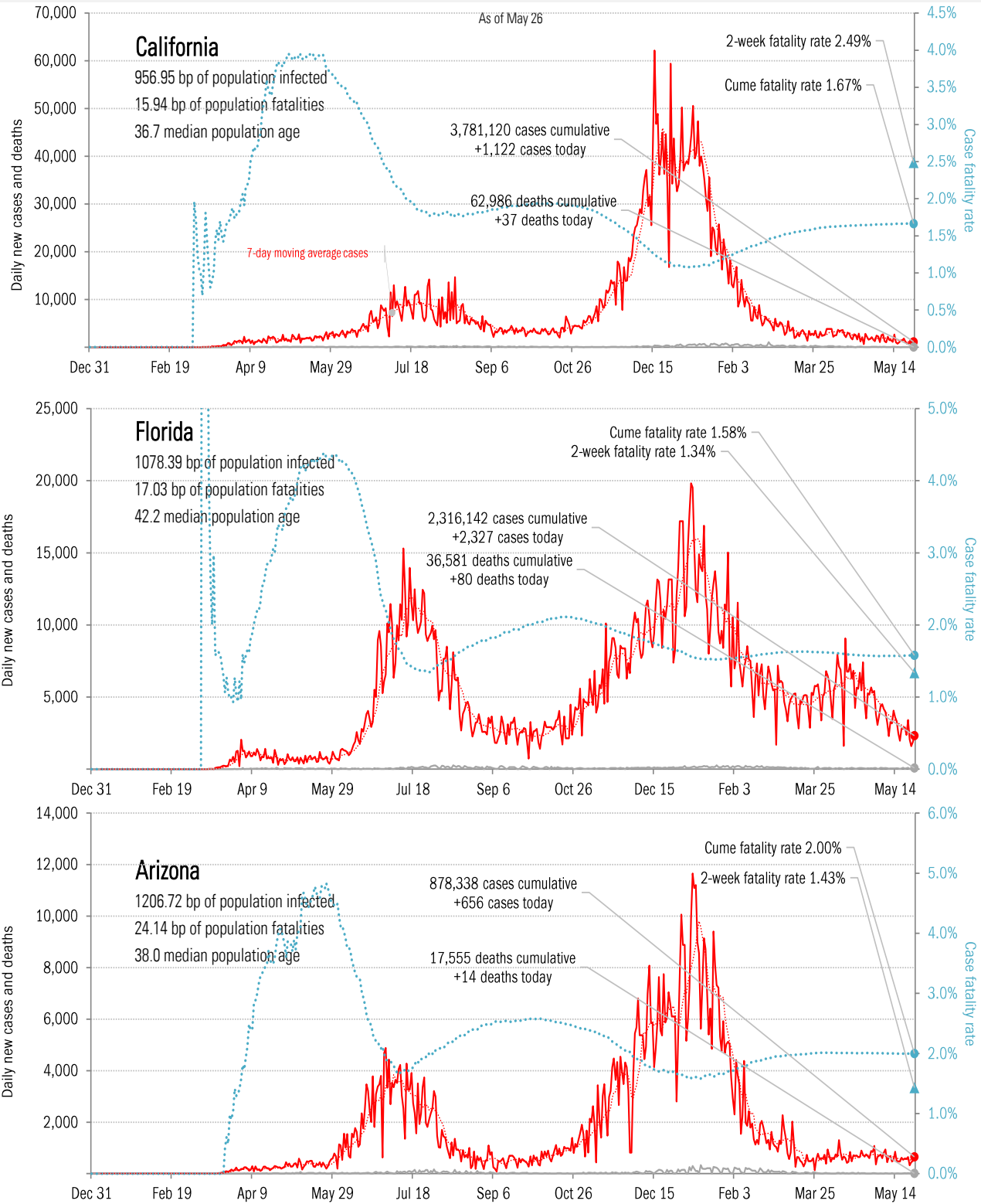
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



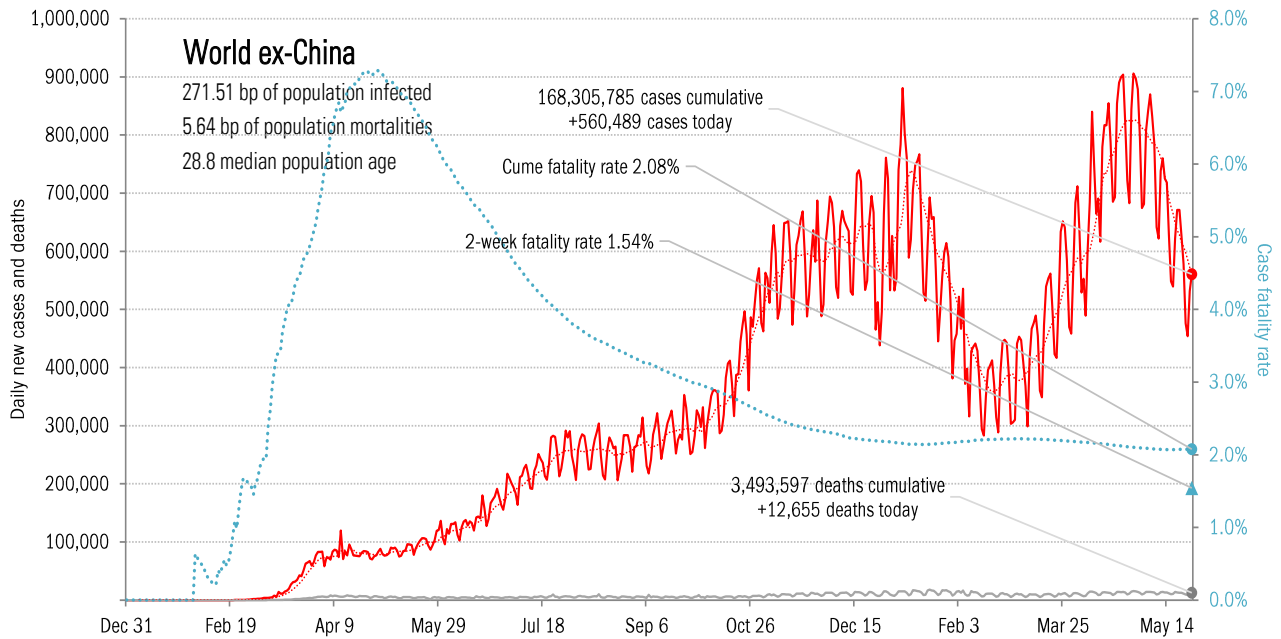
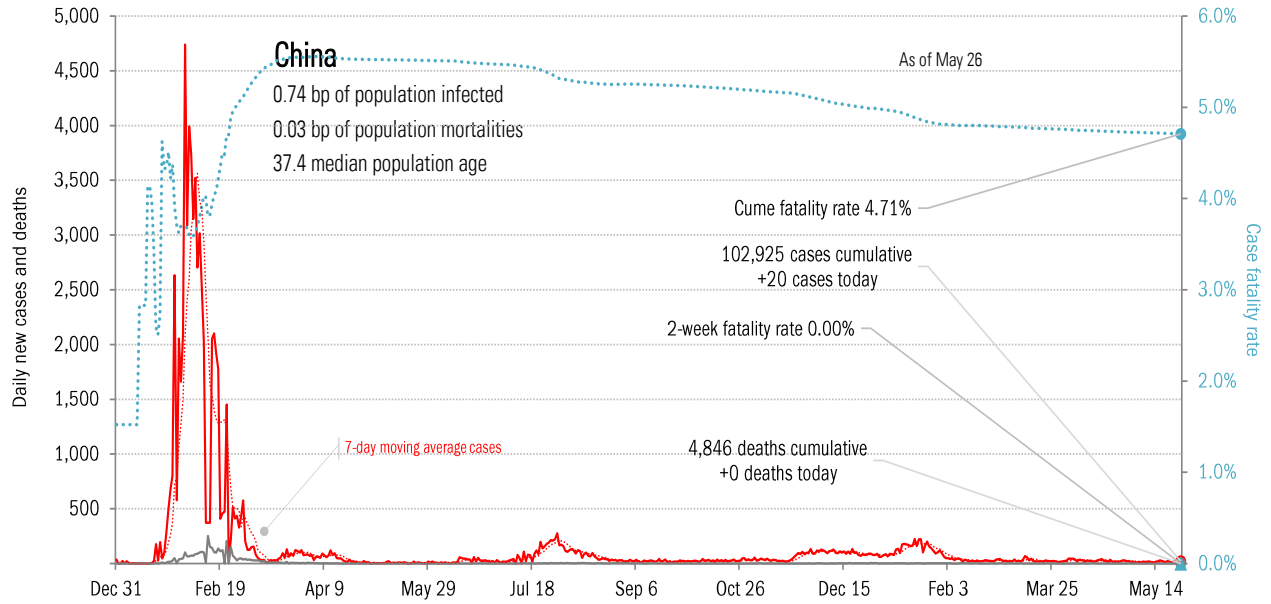
Source: [Johns Hopkins](#), TrendMacro calculations

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



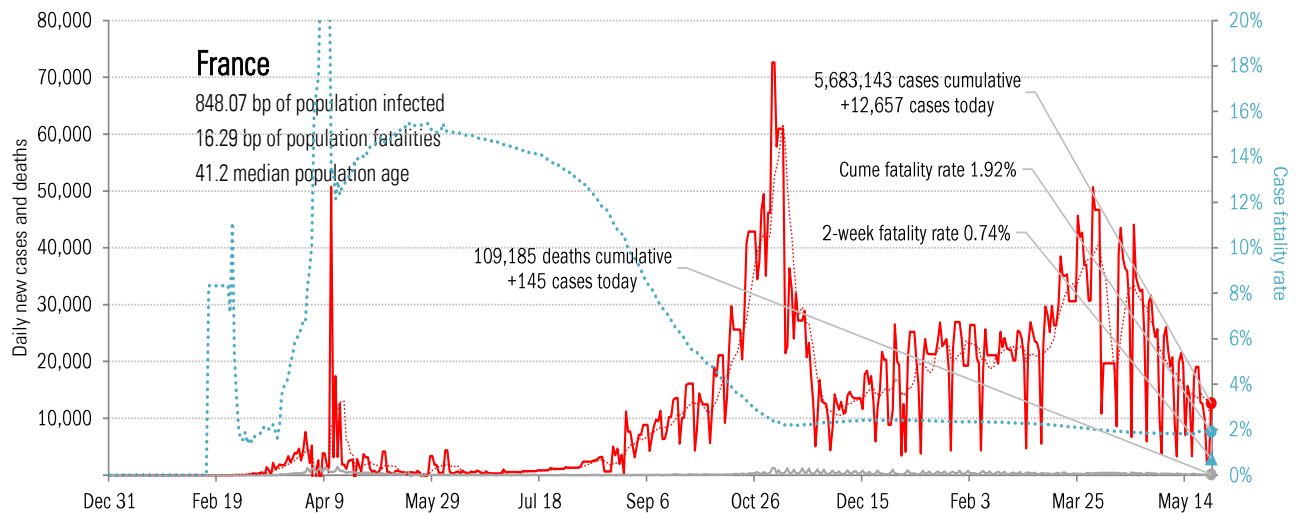
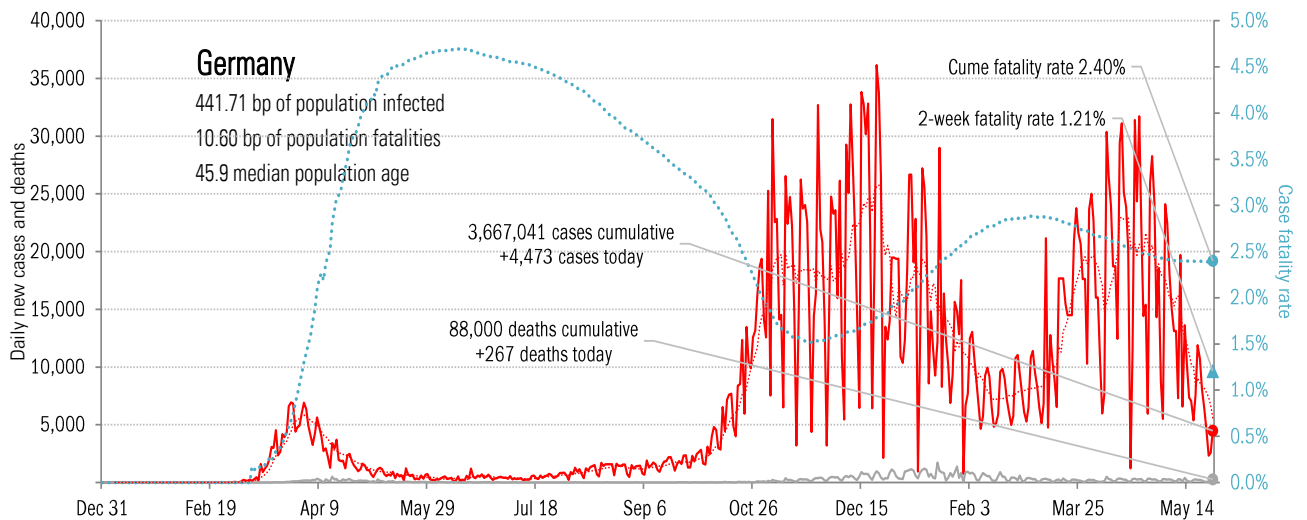
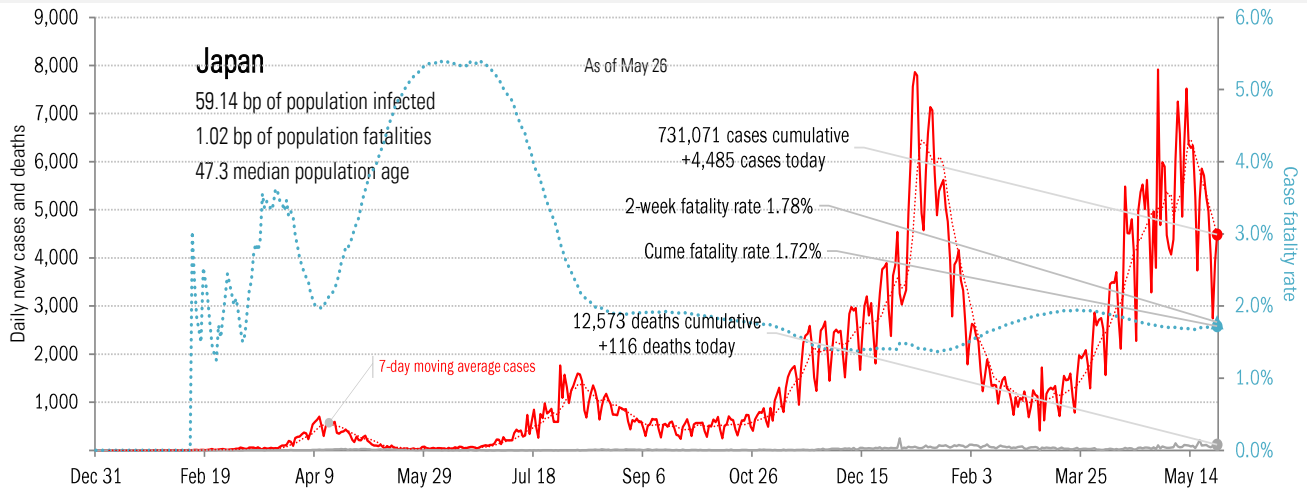
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



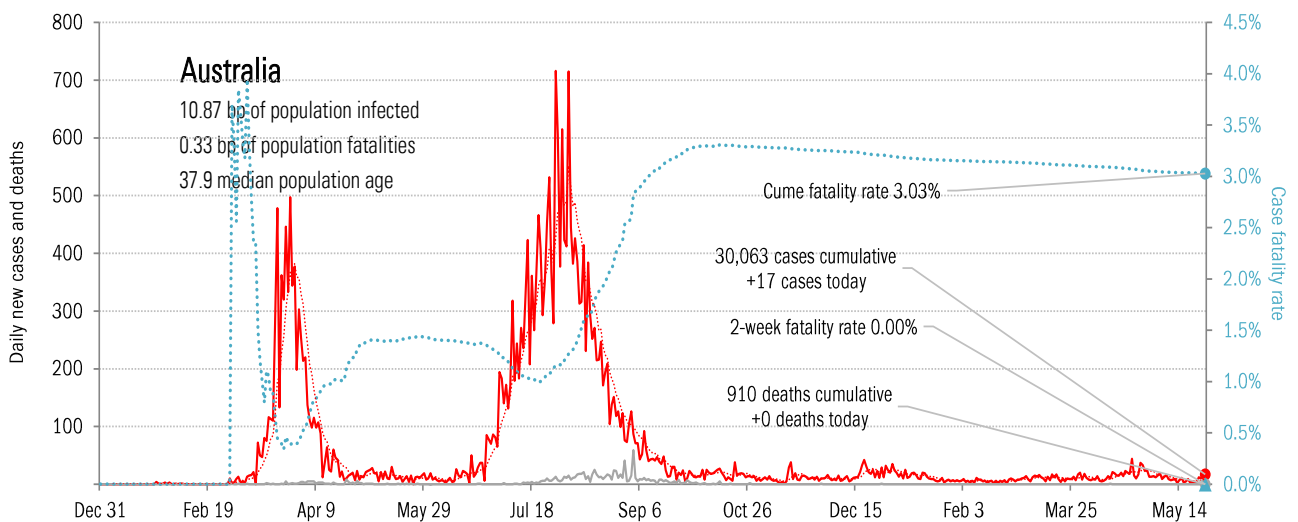
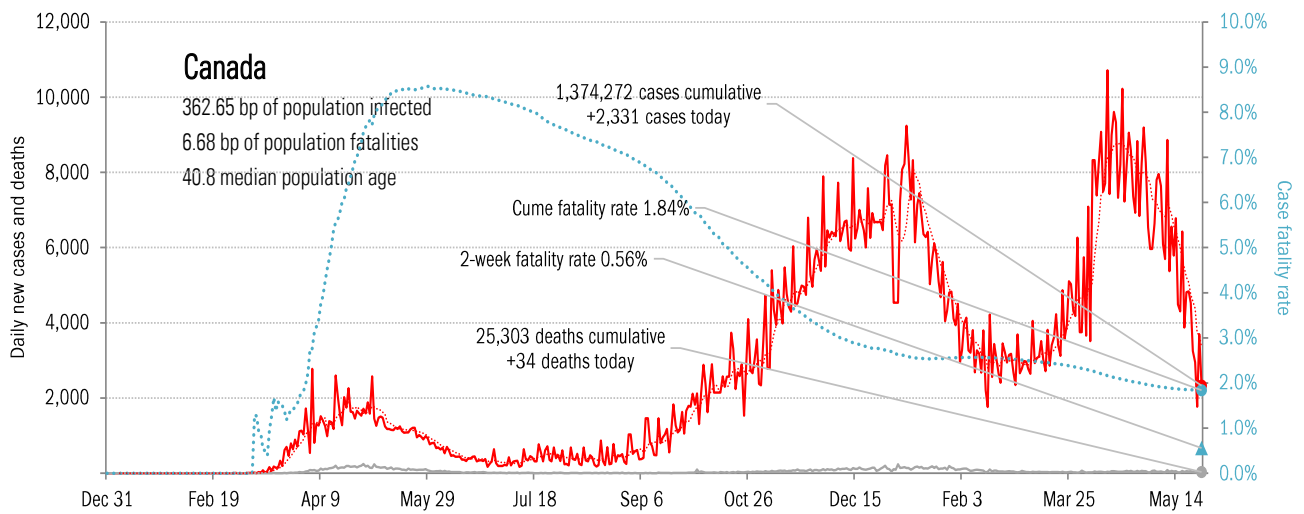
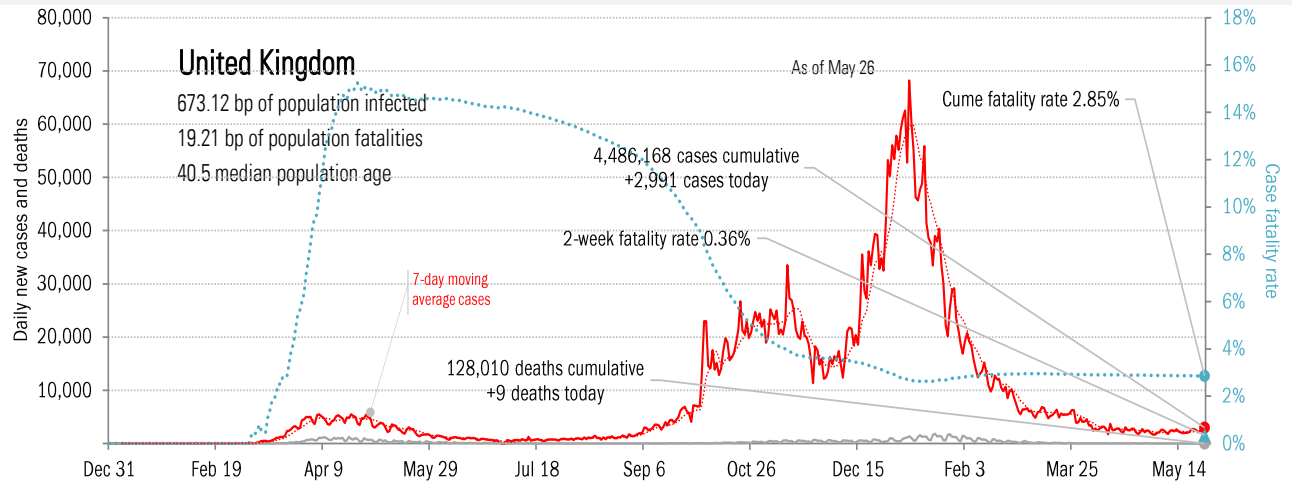
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



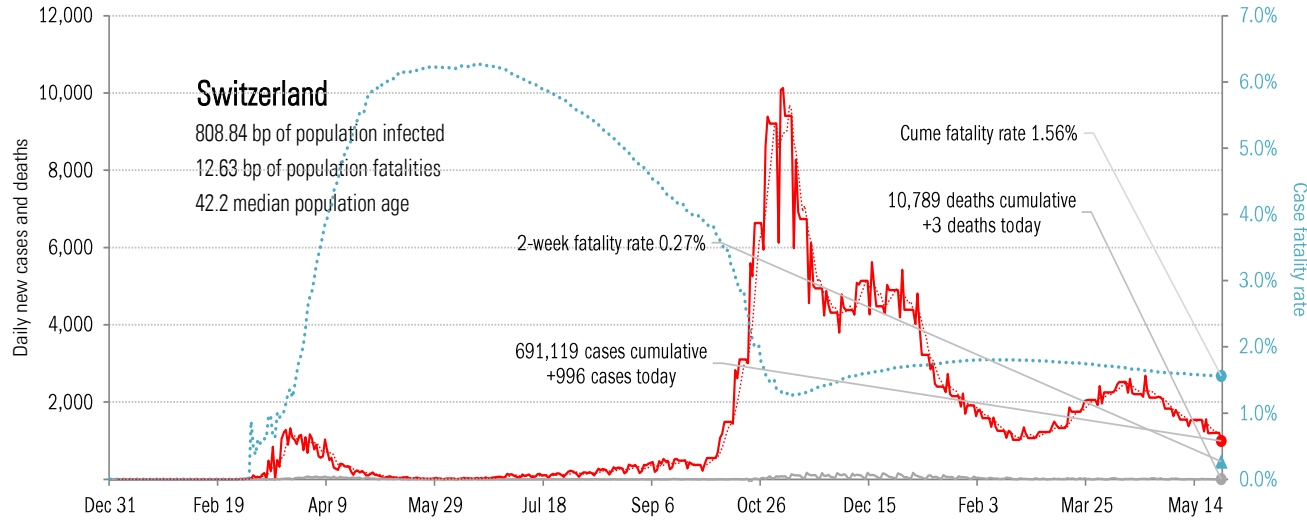
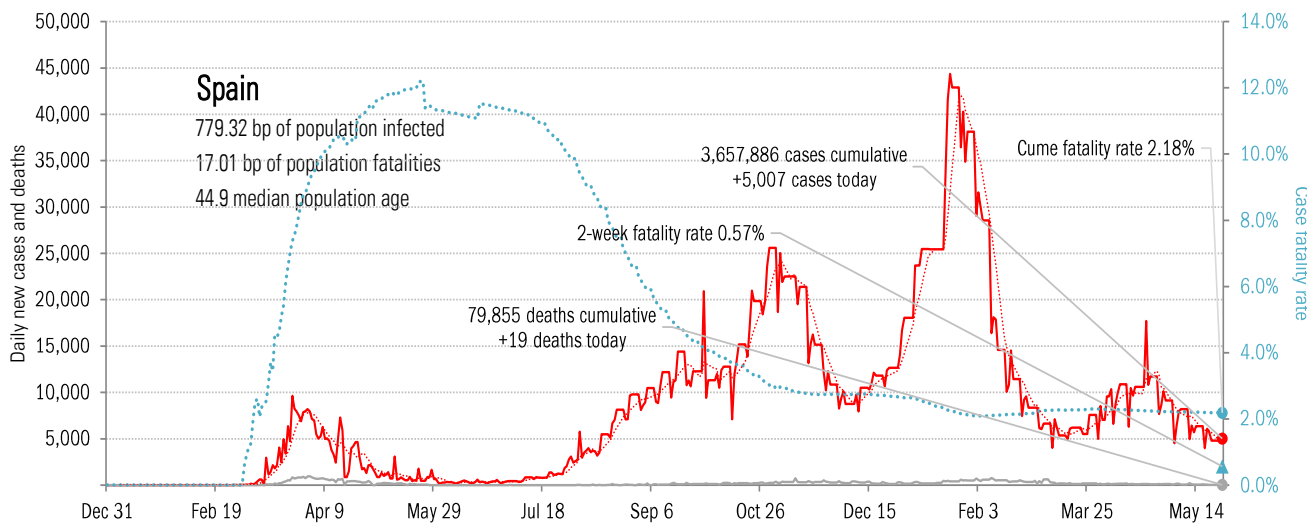
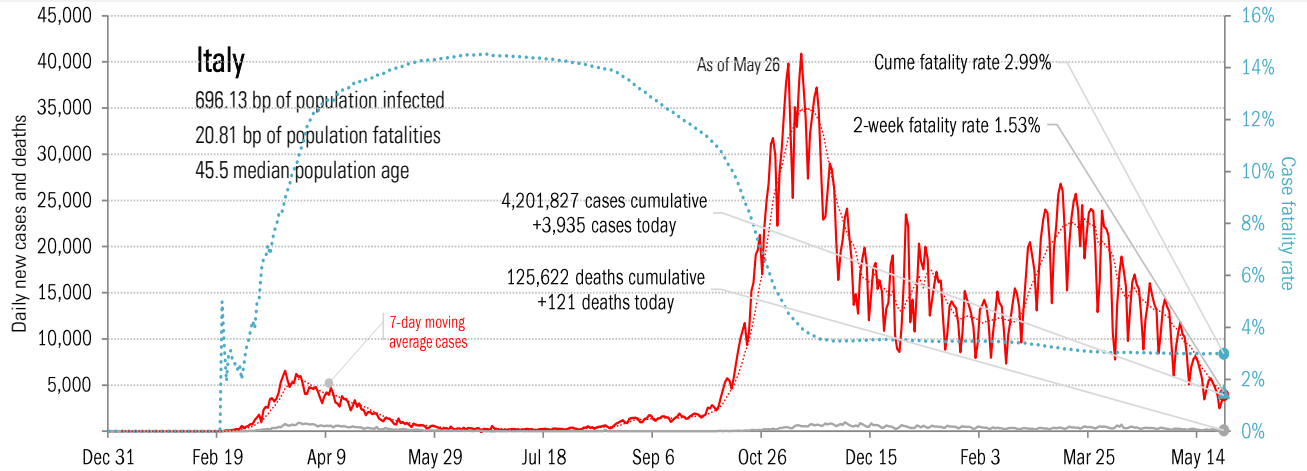
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



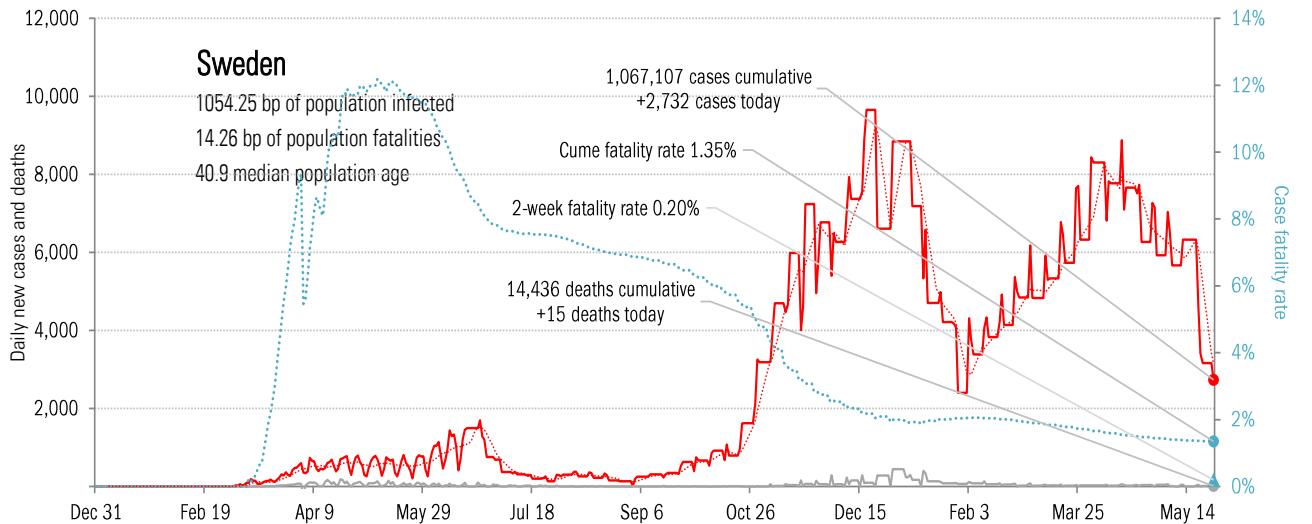
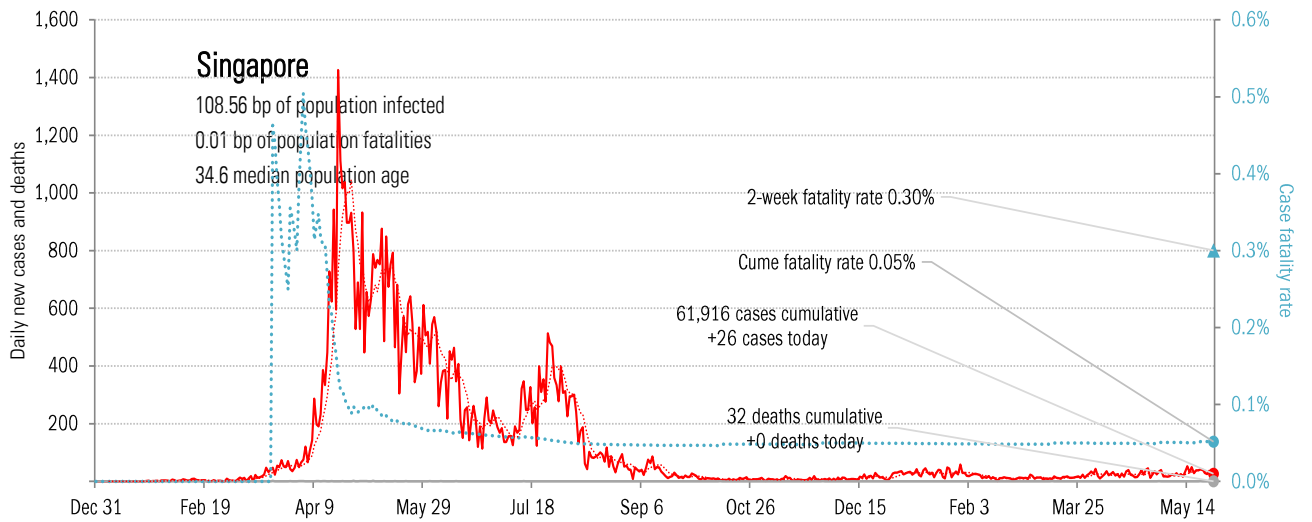
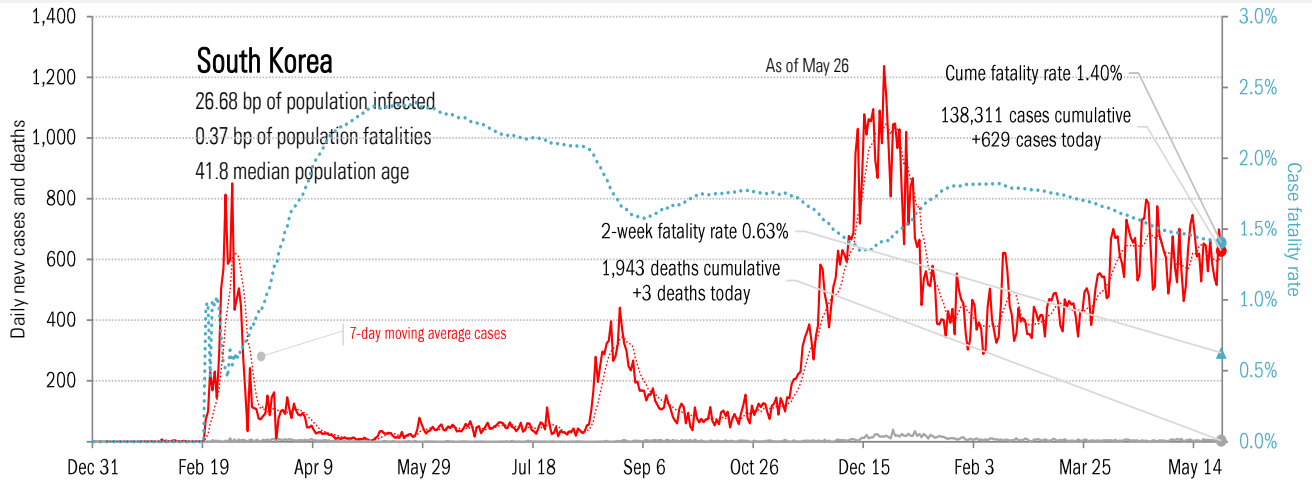
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



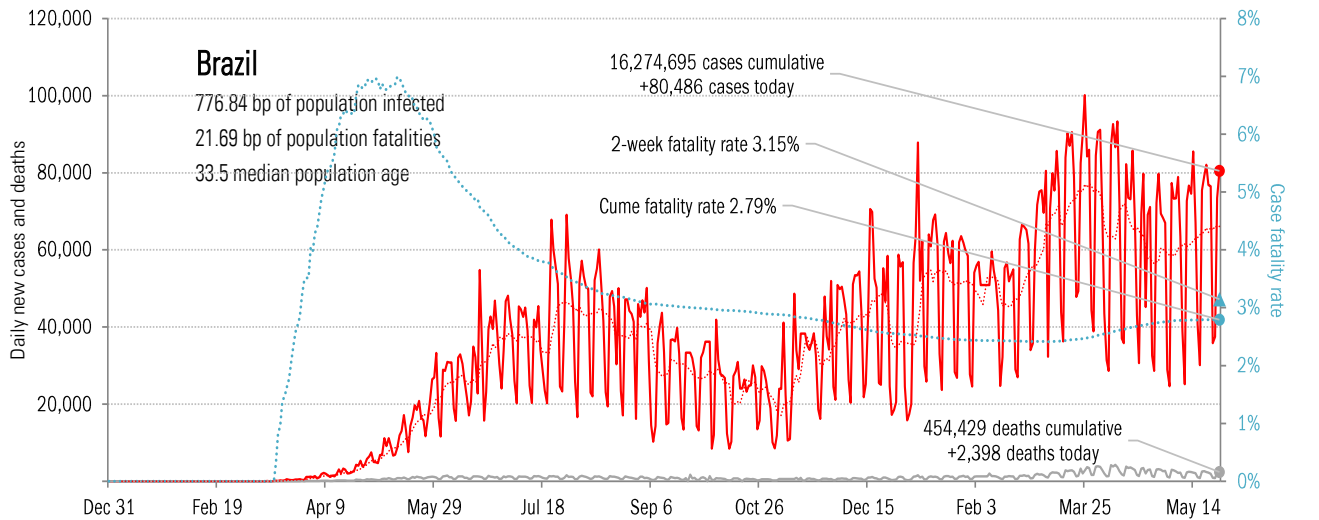
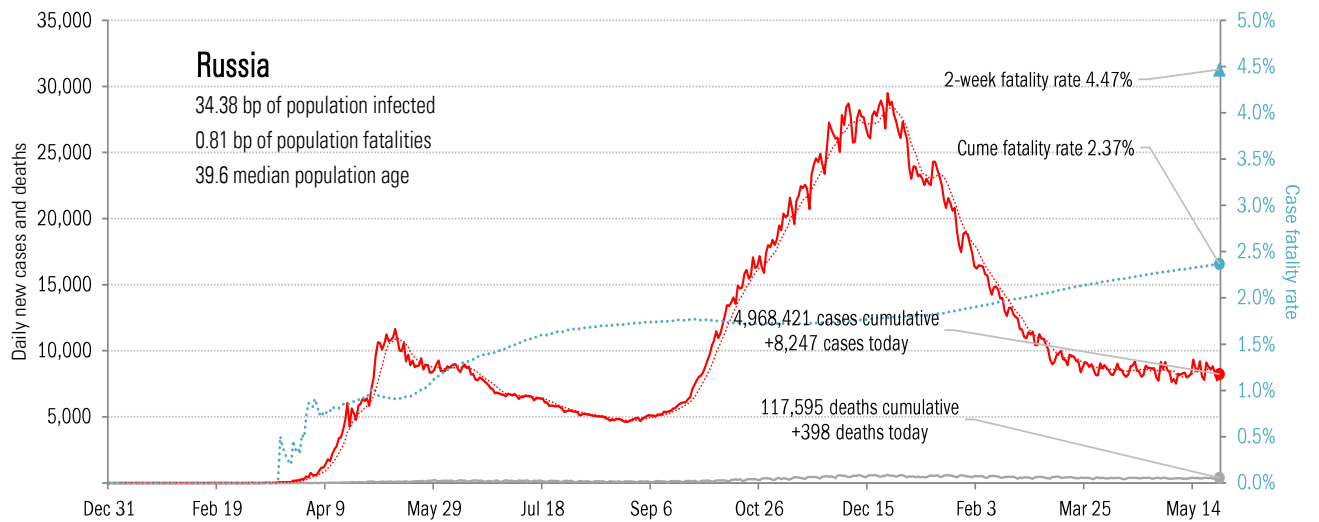
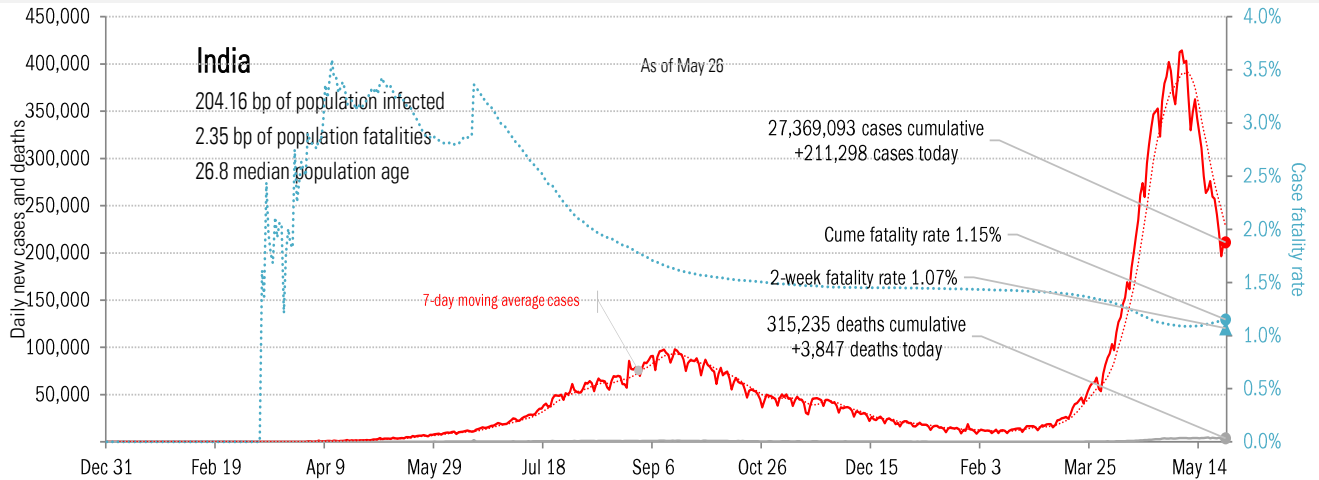
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



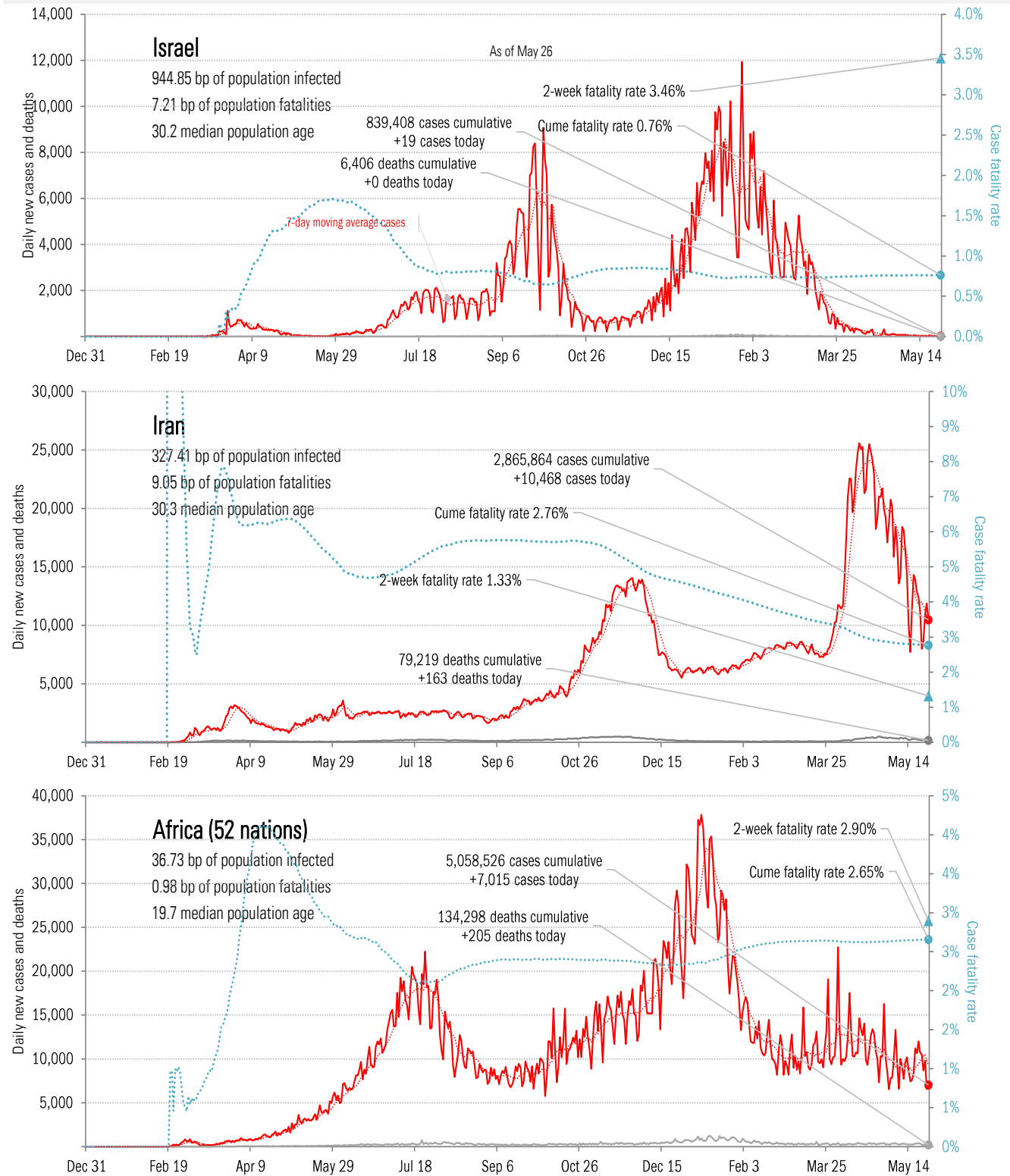
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



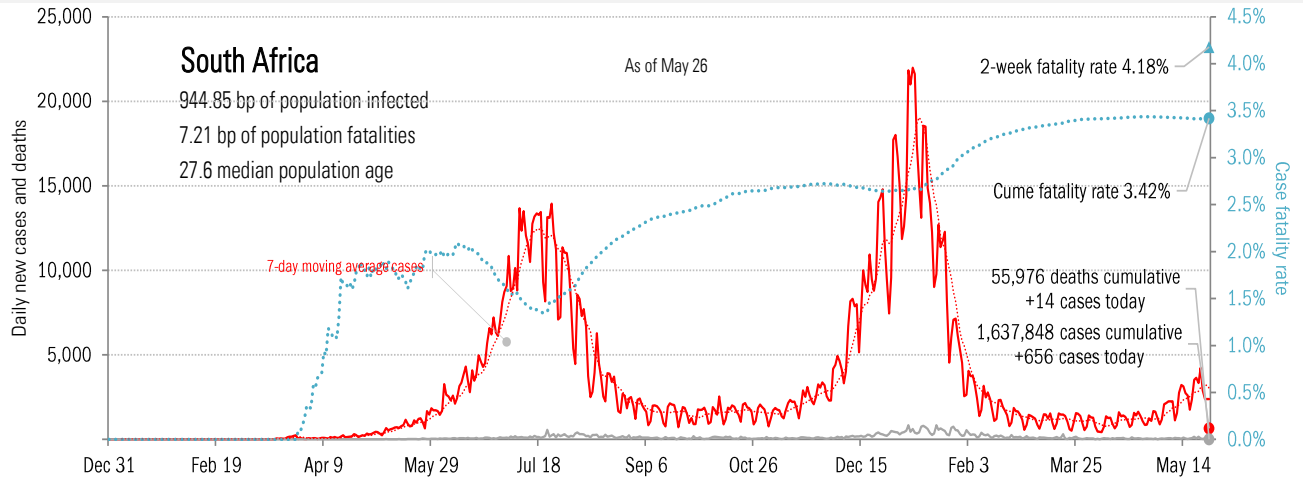
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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