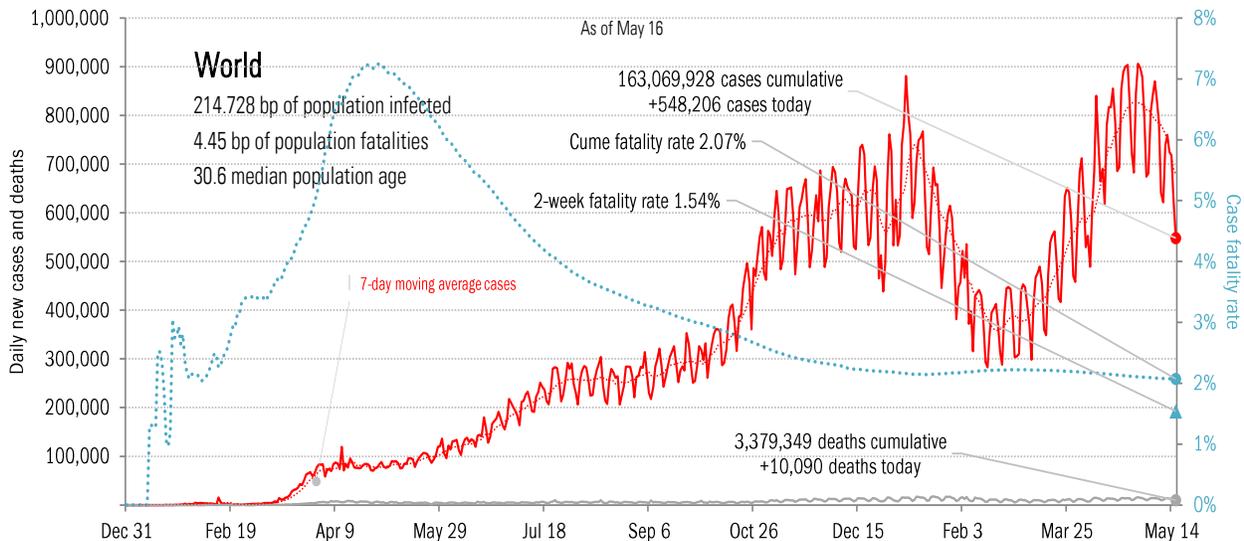
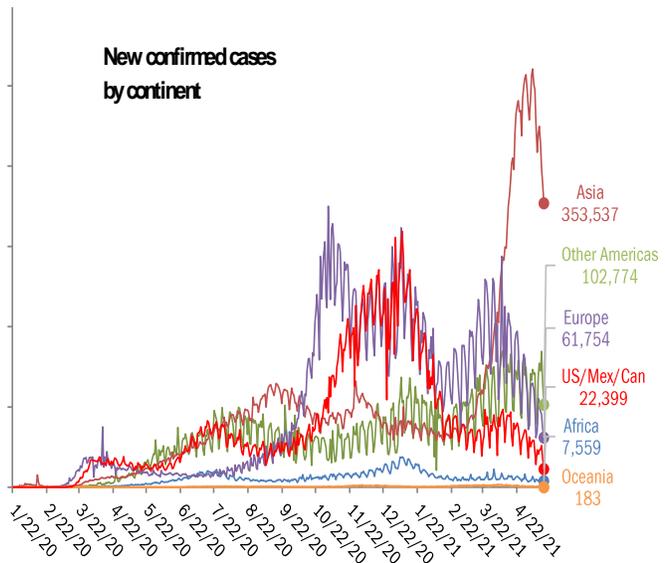


Data Insights: Covid-2019 Monitor

Monday, May 17, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+281,386	India	+4,106
Brazil	+40,709	Brazil	+1,036
United States	+16,864	Peru	+612
Argentina	+16,350	Colombia	+520
Colombia	+15,093	Russia	+386
France	+13,948	Iran	+303
Iran	+11,291	Argentina	+269
Turkey	+10,512	United States	+262
Peru	+10,003	Turkey	+223
Russia	+8,426	Nepal	+145
+424,582		+7,862	
World	+548,206	World	+10,090
Top ten	77%	Top ten	78%



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

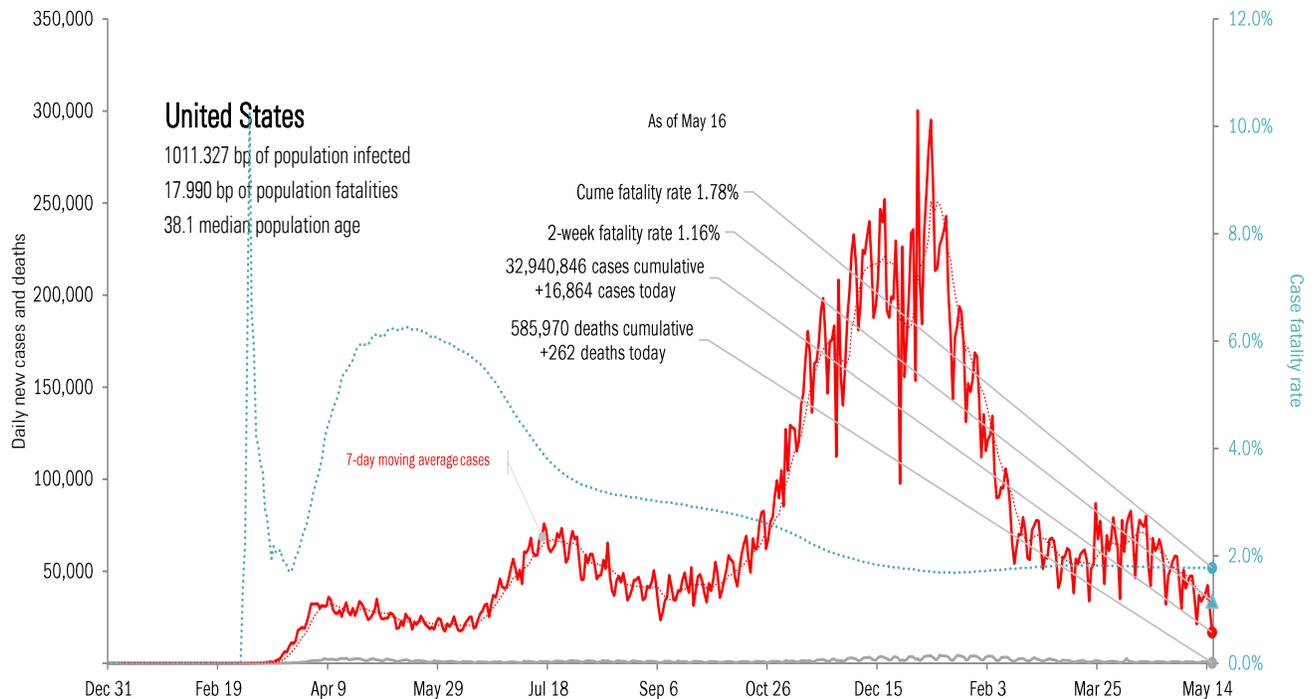
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use		
FL	+2,482		PA	+52		MN	+28		CA	3,768,805		CA	62,690		TX	244,459		R	92%		MI	23%
NY	+1,854		NY	+39		NV	+11		TX	2,929,050		NY	52,953		CA	233,543		MA	83%		CO	17%
IL	+1,260		CA	+34		WI	+11		FL	2,292,004		TX	50,941		FL	175,123		MD	82%		MD	15%
PA	+846		IL	+25		AL	+8		NY	2,085,477		FL	36,075		NY	132,106		PA	81%		MN	15%
MN	+805		FL	+19		UT	+7		IL	1,366,179		PA	26,764		GA	104,915		MO	80%		WA	14%
IN	+726		SC	+15		NC	+6		PA	1,186,798		NJ	25,961		PA	87,812		CT	79%		ME	14%
CA	+718		MN	+10		RI	+5		GA	1,115,601		IL	24,795		CH	83,908		FL	78%		WV	14%
TX	+661		VA	+10		AZ	+4		CH	1,090,894		GA	20,506		IL	78,829		DC	78%		MO	13%
CO	+630		IN	+9		ME	+3		NJ	1,010,759		MI	19,790		KY	74,032		GA	78%		ND	12%
CH	+618		NJ	+9		MS	+3		NC	989,338		CH	19,528		MI	69,526		MN	78%		GA	12%
+10,600			+222			+86			17,834,905			340,003			1,284,253							
All states	+16,864		+262			-531			All states	32,940,846		585,970			2,302,479			All states	70%		67%	
Top ten	63%		85%			-16%			Top ten	54%		58%			56%			Median	72%		9%	

Some states not reporting

Five most improved US states

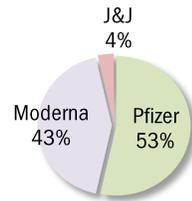
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AL	-1,762	MI	-112	NM	-156	NH	+2025 bp
MI	-1,491	FL	-37	TX	-71	DC	+149 bp
SC	-1,042	TX	-36	GA	-70	VT	+132 bp
WA	-908	GA	-22	CA	-36	RI	+89 bp
PA	-847	IL	-20	KS	-28	MA	+66 bp



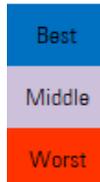
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Total				Today	Immunity	Full	Partial
Doses distributed	356,813,465				+0.000 million	US	36.9%	47.1%
Doses administered	282,318,044				+2.752 million	UK	29.6%	53.9%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	13.3%	29.8%
Total population	161,832,459	48%	127,027,815	38%	+1.537 million	Spain	14.9%	31.9%
Age 12 to 17	3,088,885	12%	1,539,798	6%	+0.075 million	Germany	10.8%	36.3%
Age 18 to 64	110,979,475	55%	84,136,095	41%	+1.180 million	Italy	14.3%	31.5%
Age 65 and over	47,976,858	88%	41,343,455	76%	+0.283 million	Australia	1.9%	0.6%
						Israel	58.9%	62.8%
						Canada	3.7%	45.1%
						Japan	1.4%	3.5%
						Africa	0.5%	1.3%
						India	2.9%	10.3%
						Brazil	8.0%	16.8%



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 **73 days** by Jul 27, 2021
 60.0% of population >18 immunized
 13.9% previously tested positive
73.9% vs 60% adult herd immunity*

Global data differs from sources, timing

AK
58.0%
43.8%
37.9%

ME
64.2%
59.0%
48.8%

WI	VT	NH
51.5%	68.7%	60.1%
48.2%	65.2%	84.9%
41.6%	47.4%	55.7%

WA	ID	MT	ND	MN	IL	MI	NY	MA
57.6%	45.8%	52.2%	45.9%	53.9%	55.7%	56.1%	57.5%	64.9%
51.9%	36.0%	43.0%	40.6%	51.0%	50.7%	45.8%	51.8%	62.4%
40.1%	30.9%	36.3%	35.2%	41.6%	36.5%	38.6%	42.5%	46.7%

OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
57.1%	47.0%	45.6%	55.4%	51.9%	47.4%	51.2%	59.1%	60.3%	62.8%	67.0%
50.5%	42.6%	35.3%	46.4%	46.5%	39.2%	43.0%	54.6%	56.1%	59.0%	56.8%
39.0%	33.8%	30.4%	41.0%	40.6%	32.4%	37.7%	39.1%	44.2%	48.2%	46.4%

CA	UT	CO	NE	MO	KY	WV	VA	MD	DE
59.2%	48.3%	58.4%	52.1%	48.7%	49.5%	51.3%	56.8%	62.7%	60.8%
53.1%	42.2%	50.4%	45.5%	40.0%	43.5%	38.0%	51.2%	53.3%	50.7%
38.4%	29.0%	41.1%	39.1%	32.3%	36.2%	32.8%	40.3%	42.3%	39.2%

AZ	NM	KS	AR	TN	NC	SC	DC
54.1%	54.9%	52.4%	48.0%	45.1%	54.7%	50.0%	71.8%
43.7%	54.3%	44.6%	37.6%	37.1%	41.3%	38.8%	53.7%
33.5%	44.2%	36.4%	29.3%	29.8%	34.1%	31.6%	39.7%

OK	LA	MS	AL	GA
51.5%	43.4%	45.2%	47.3%	50.8%
40.1%	34.0%	32.5%	34.7%	37.4%
32.4%	29.5%	25.8%	27.5%	29.2%

HI	TX	FL	PR
61.2%	52.5%	56.1%	60.5%
60.9%	41.0%	45.7%	45.6%
43.1%	32.3%	35.4%	31.5%

As of May 16

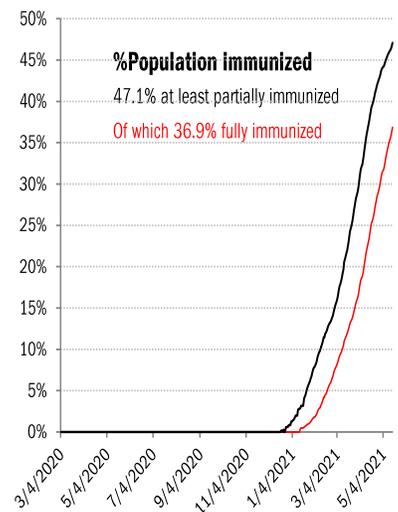
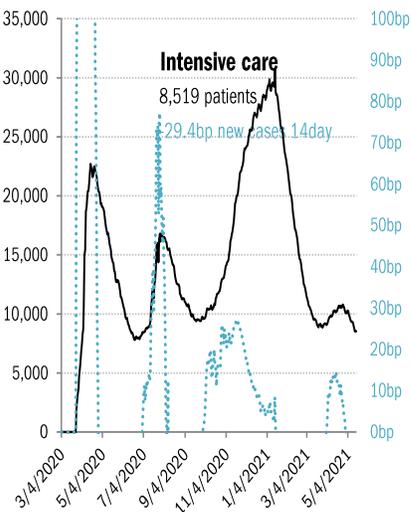
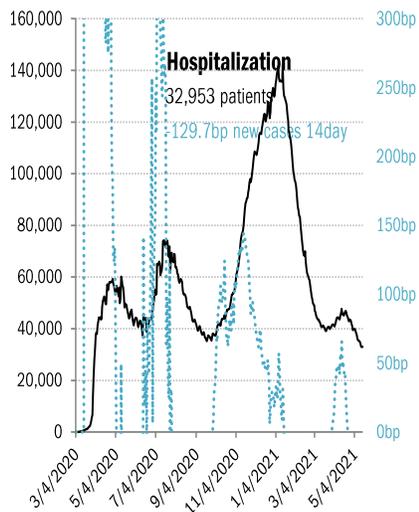
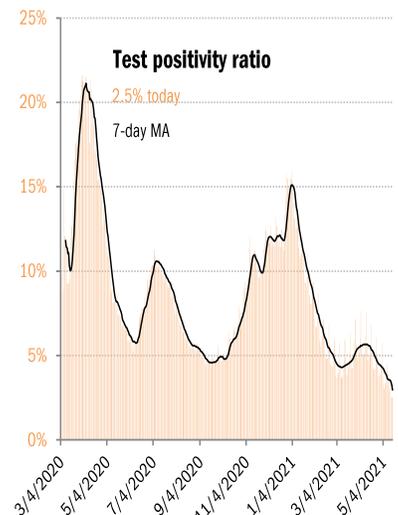
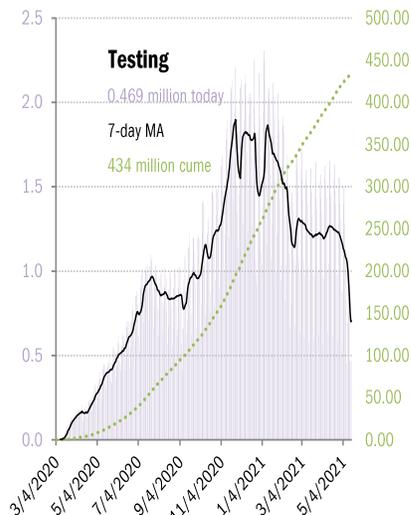
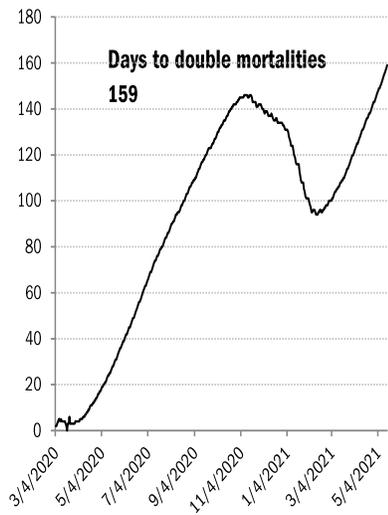
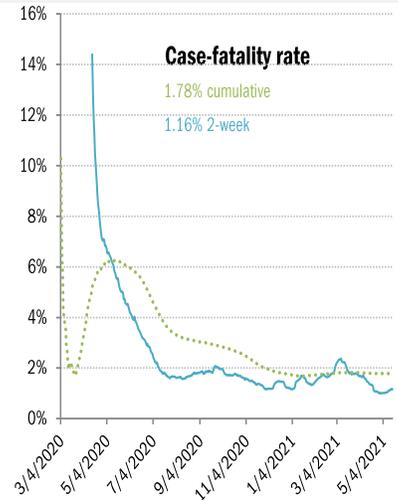
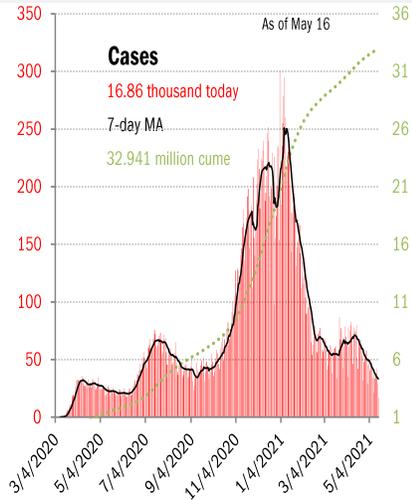
* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

** 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

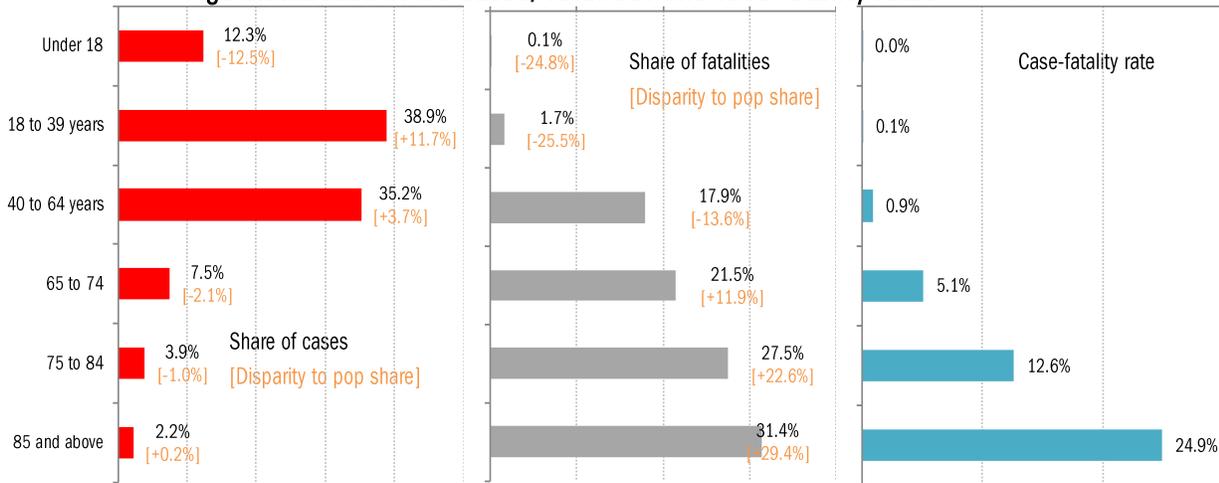
US deep-dive

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

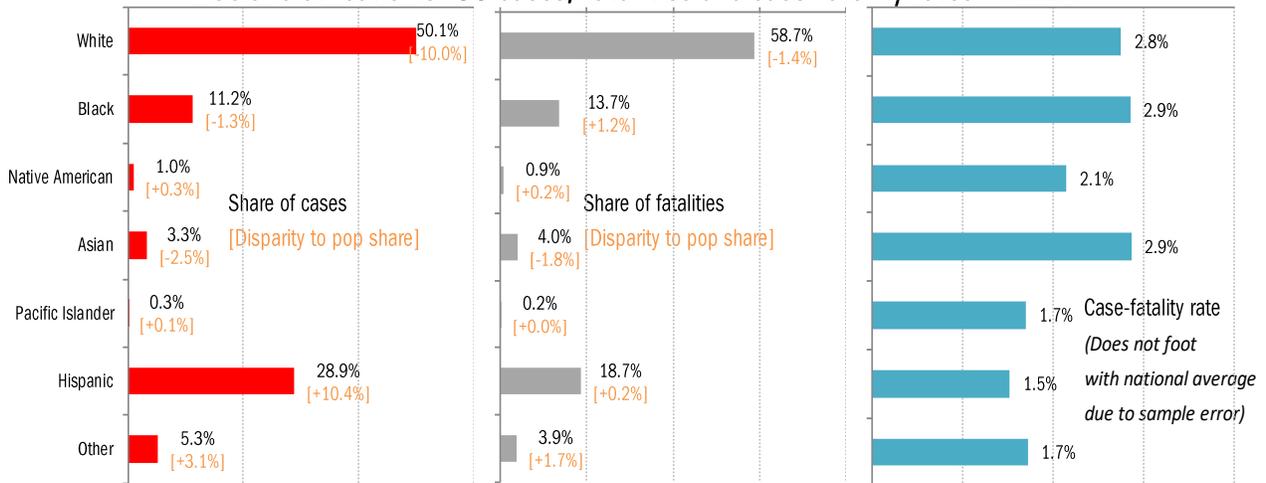


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

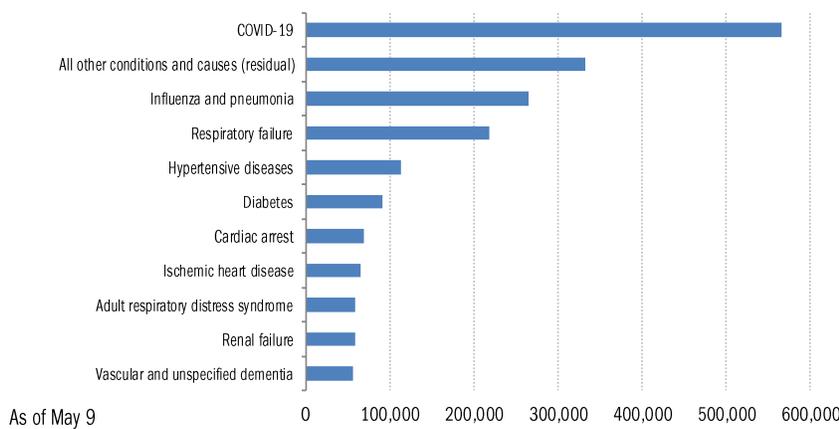


Racial distribution of US cases, fatalities and case-fatality rates



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

[Why the C.D.C. Changed Its Advice on Masks](#)

Apoorva Mandavilli

New York Times

May 14, 2021

Meme of the day

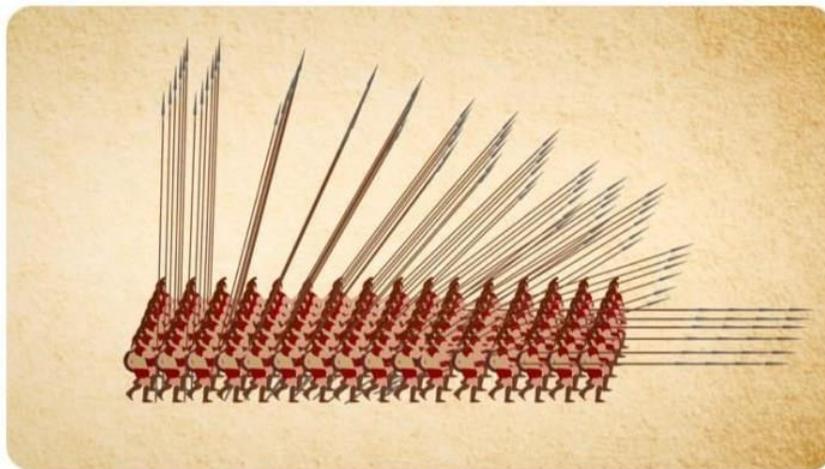


Ship of Theses

@postclassics



BREAKING: CDC announces vaccinated individuals may gather together with up to 255 and form phalanxes once more.



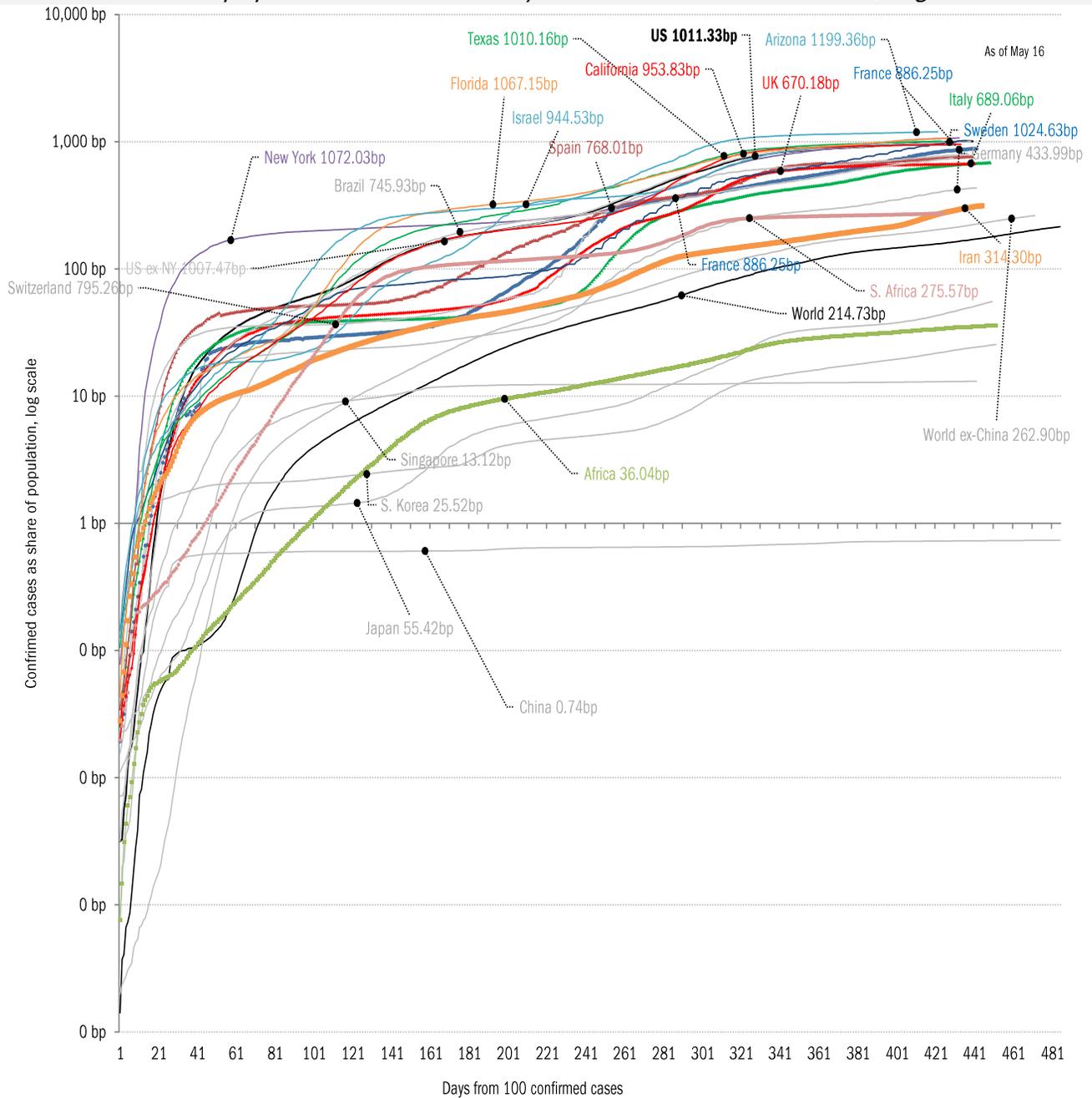
12:16 PM · 5/13/21 · [Twitter Web App](#)

1,353 Retweets **80** Quote Tweets **5,802** Likes



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

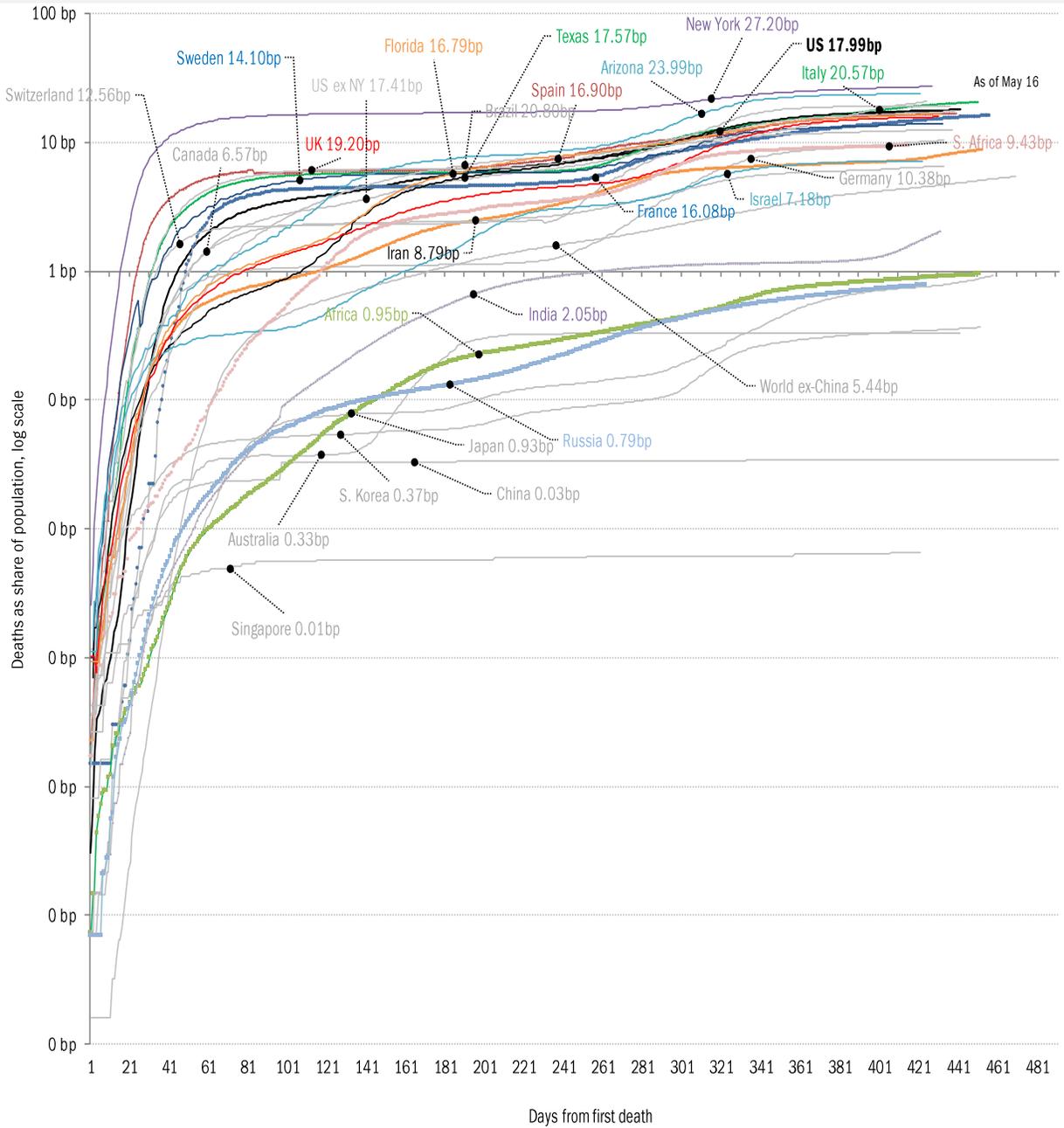
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

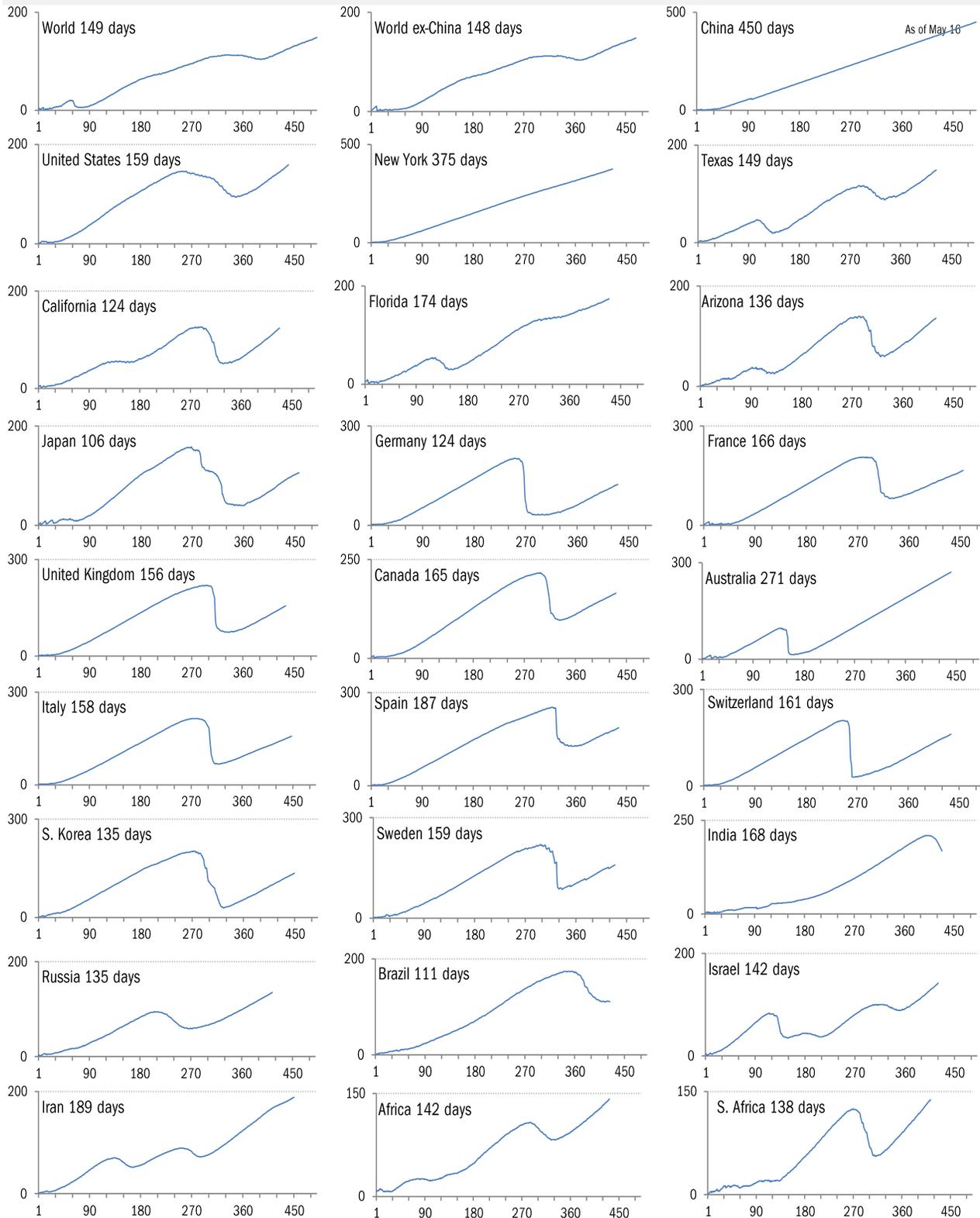


Source: [Johns Hopkins](#), TrendMacro calculations

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

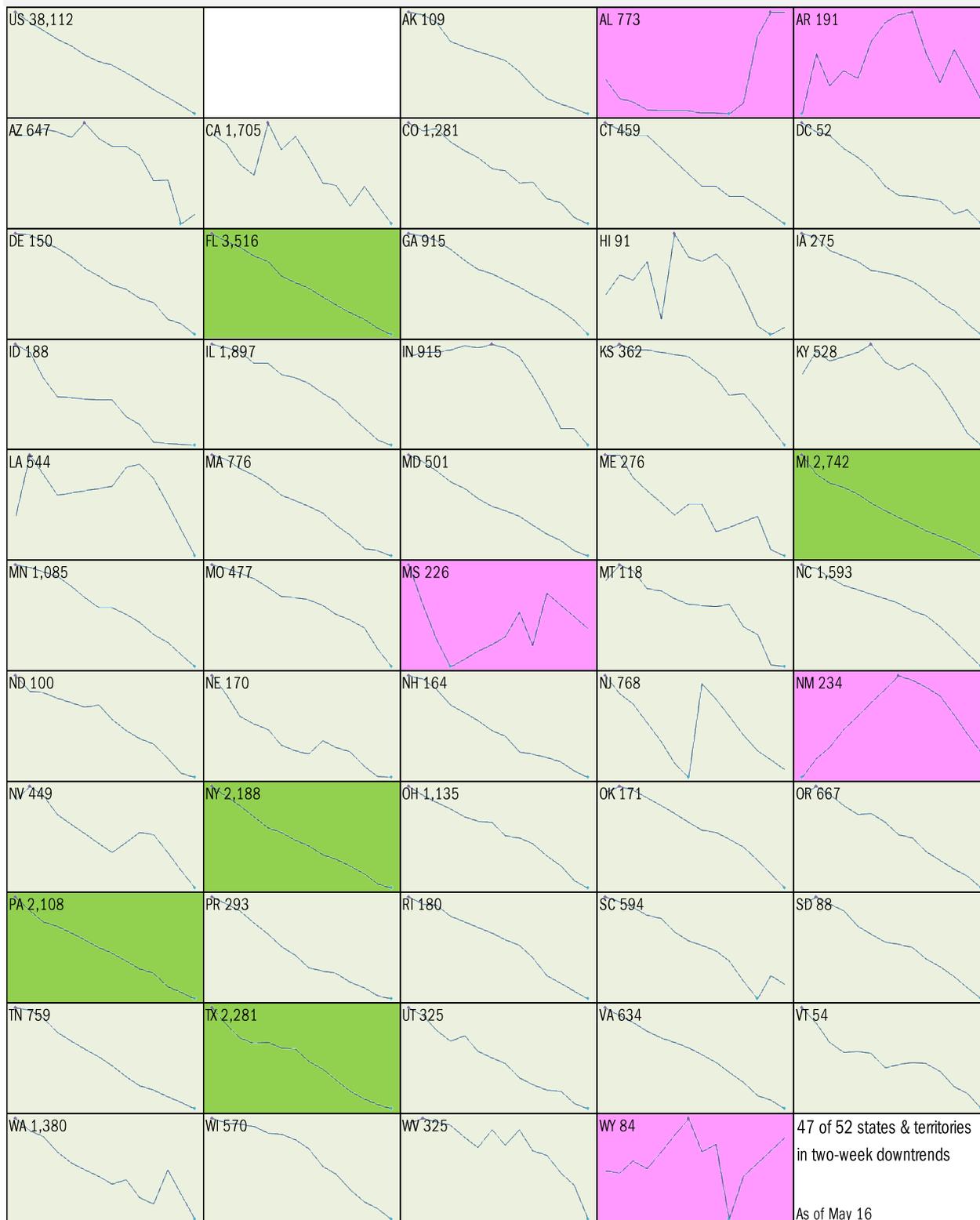
Vertical: days to double deaths Horizontal: days from first death

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

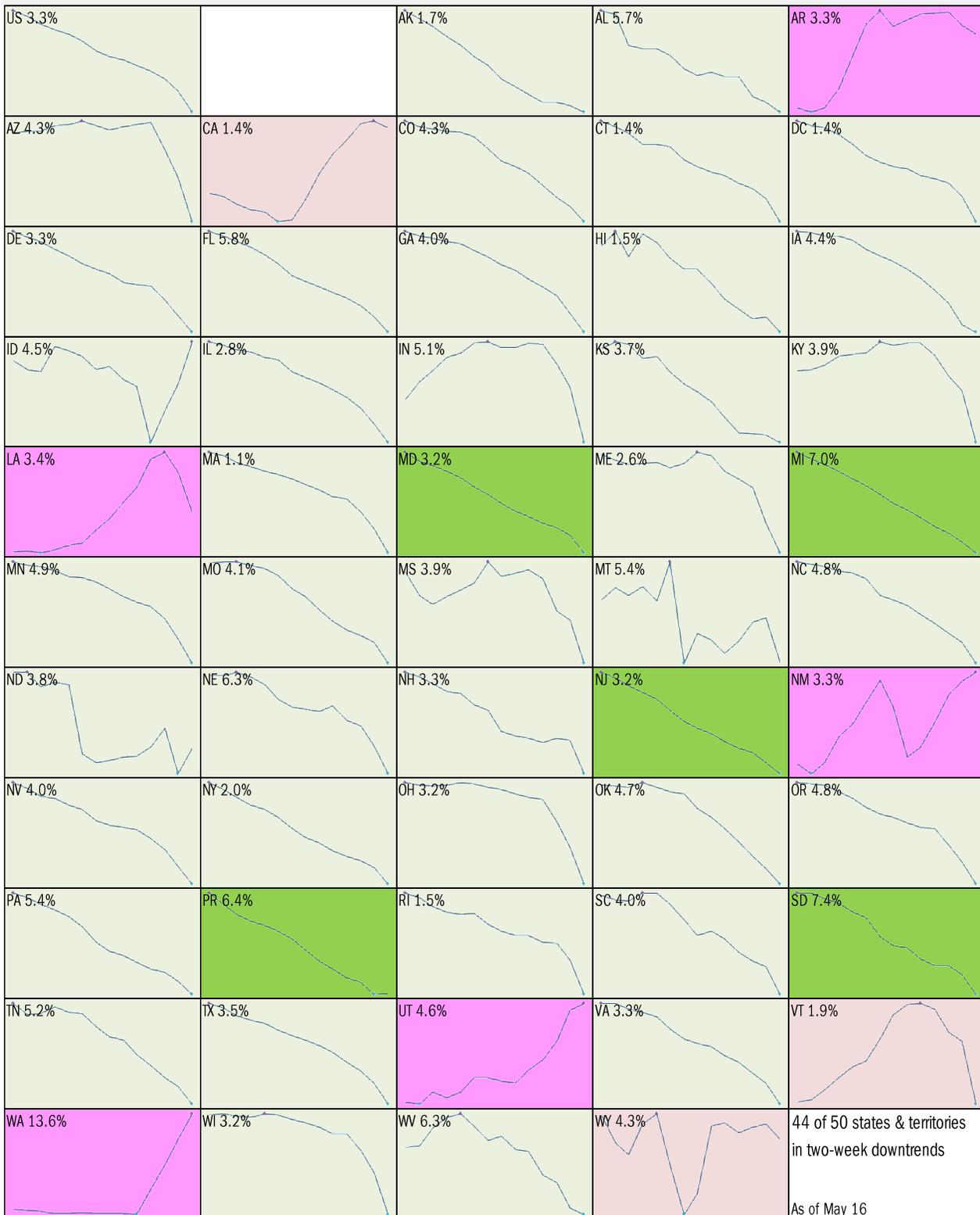


Source: [Johns Hopkins](#), TrendMacro calculations

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

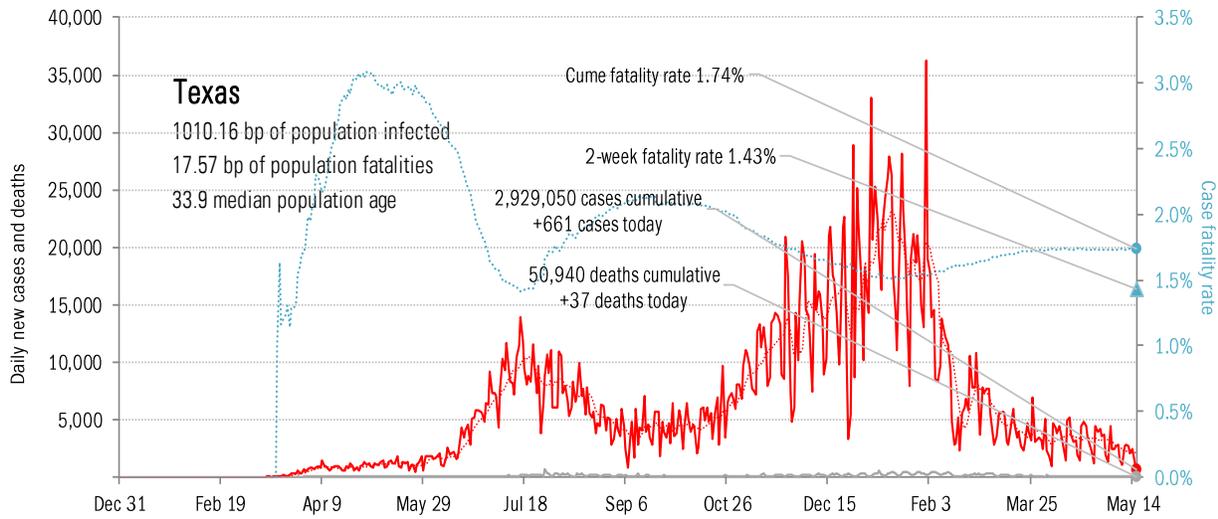
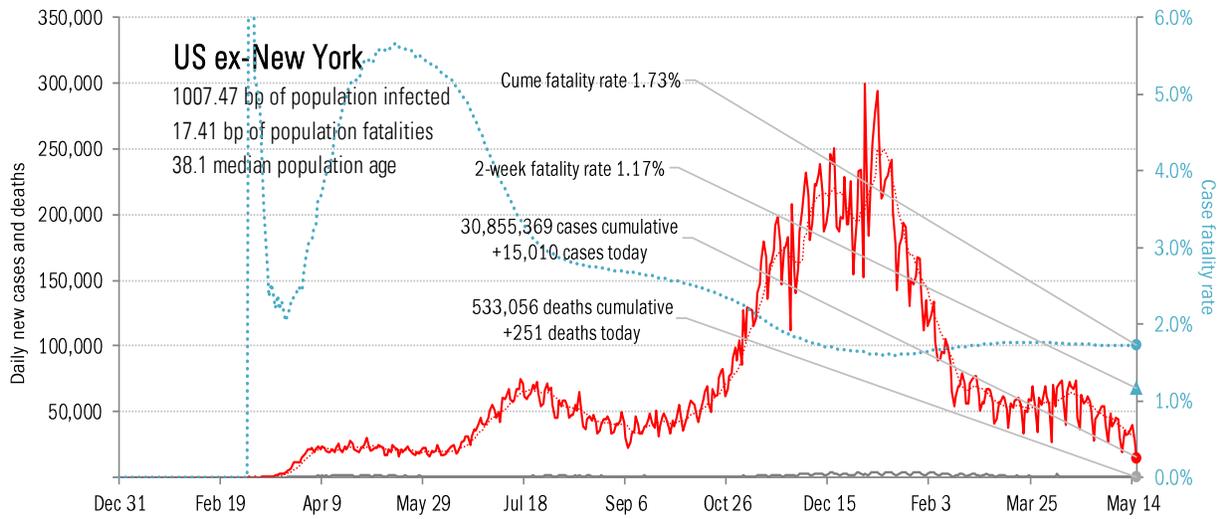
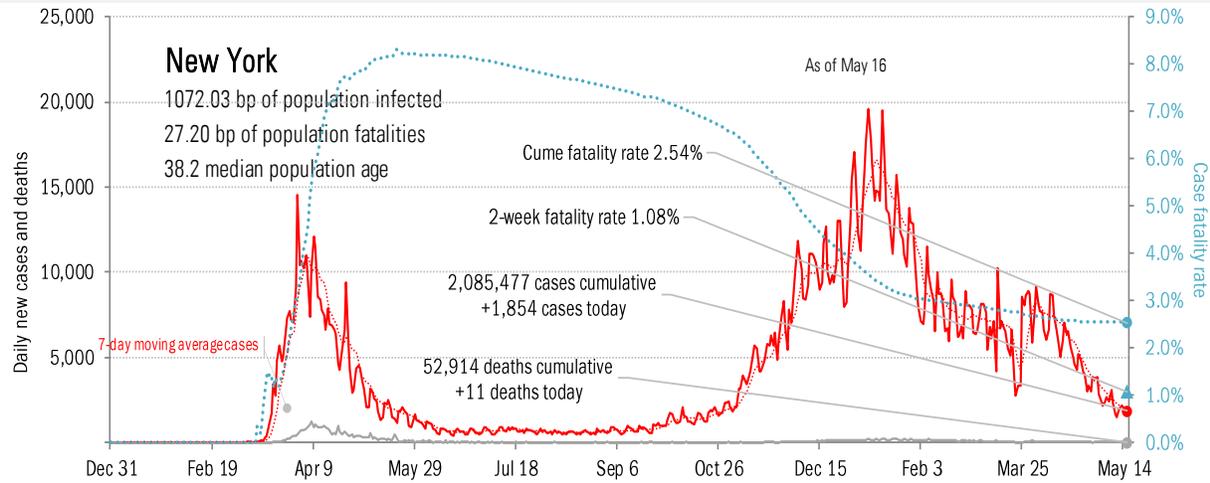
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



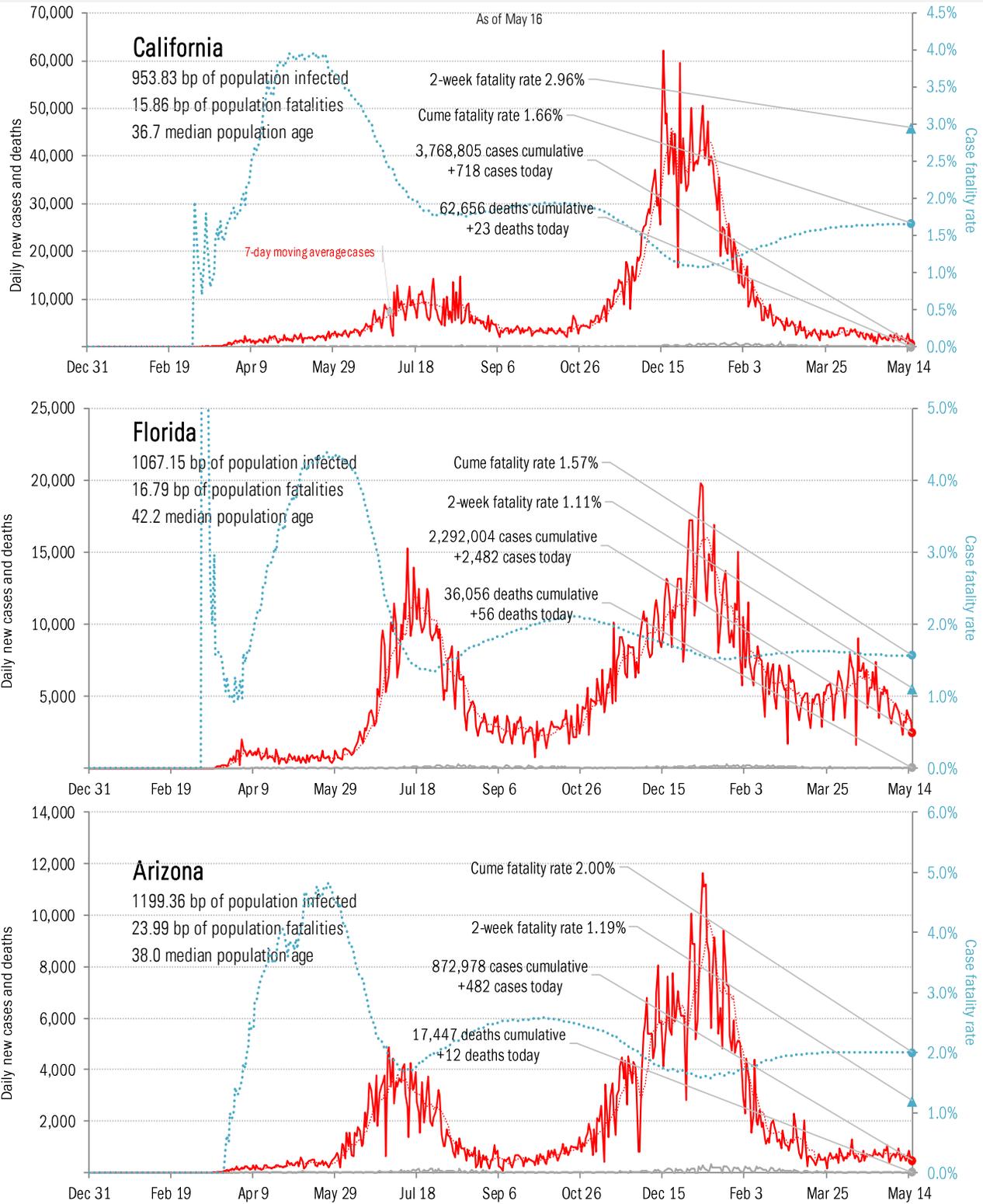
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



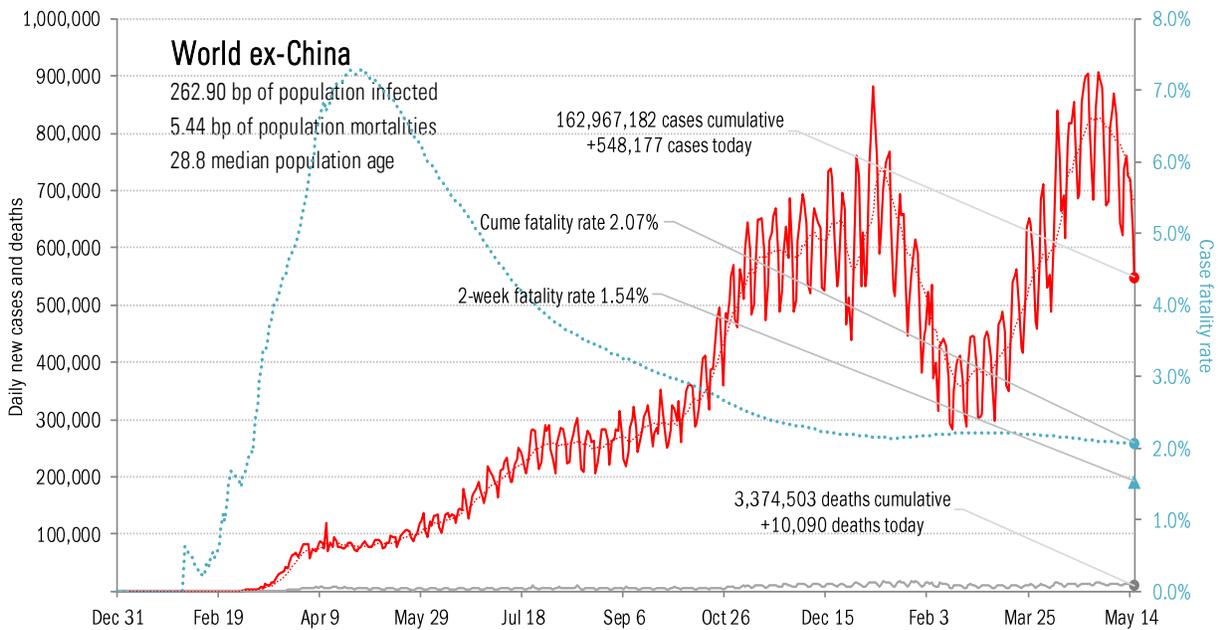
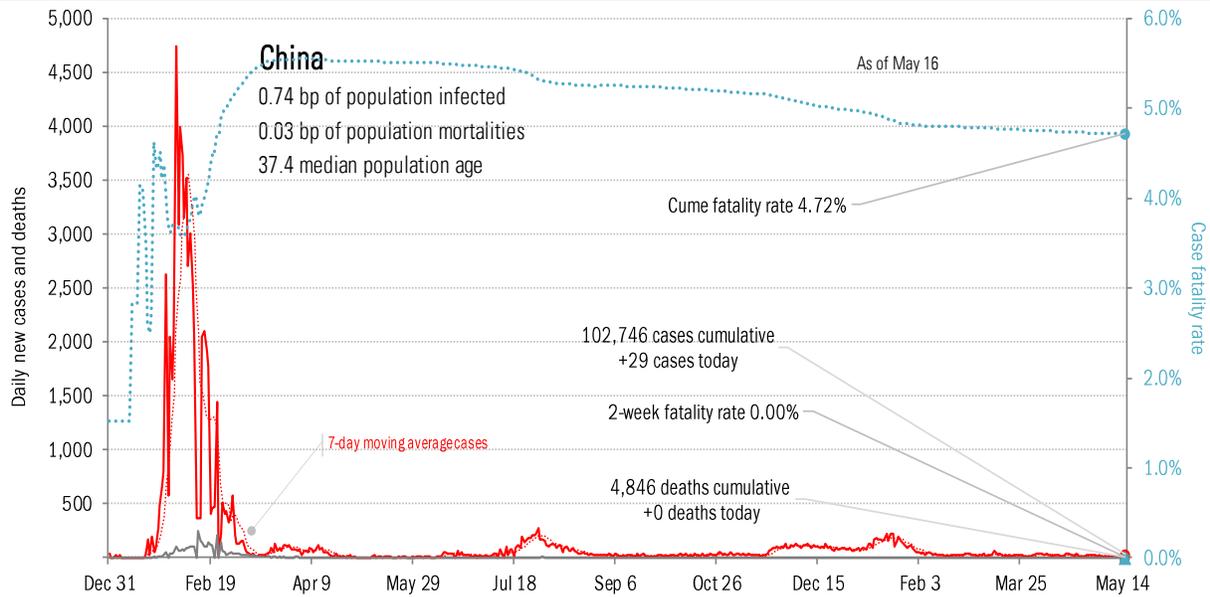
Source: [Johns Hopkins](#), TrendMacro calculations

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



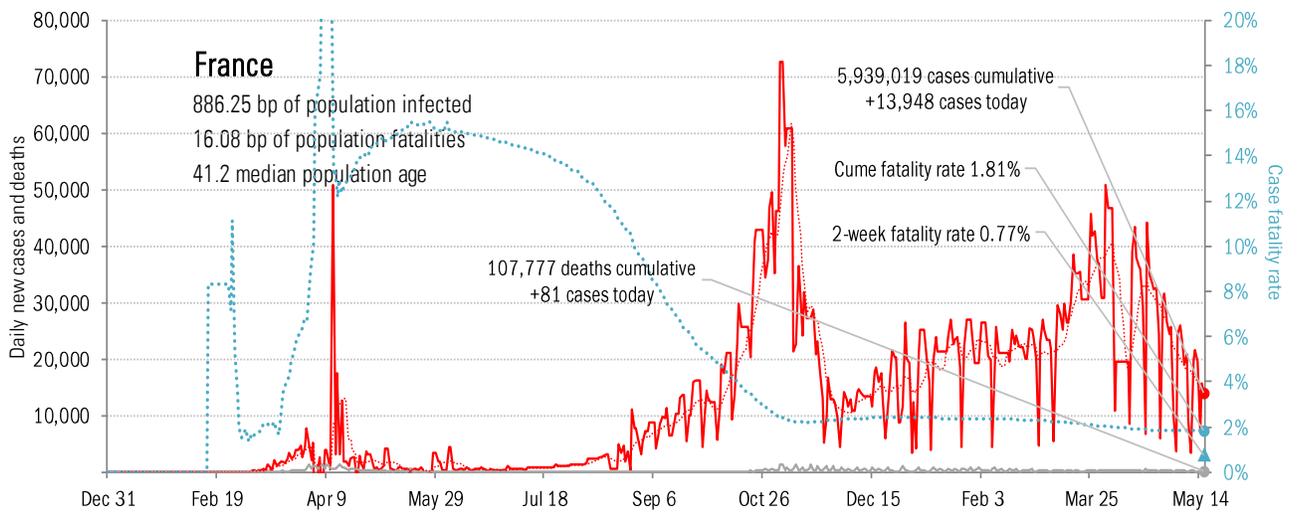
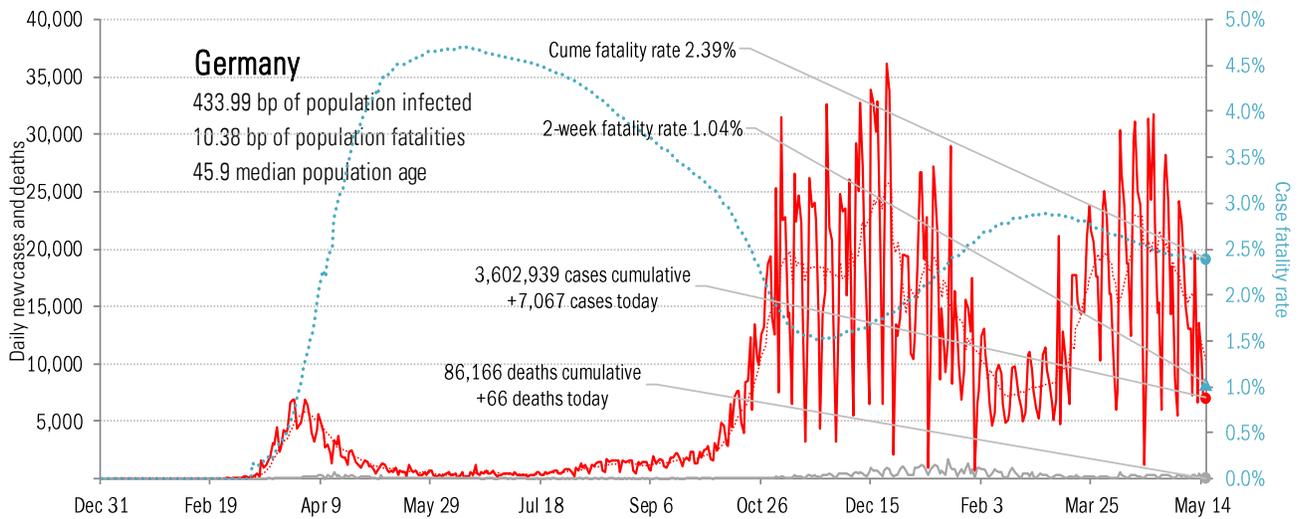
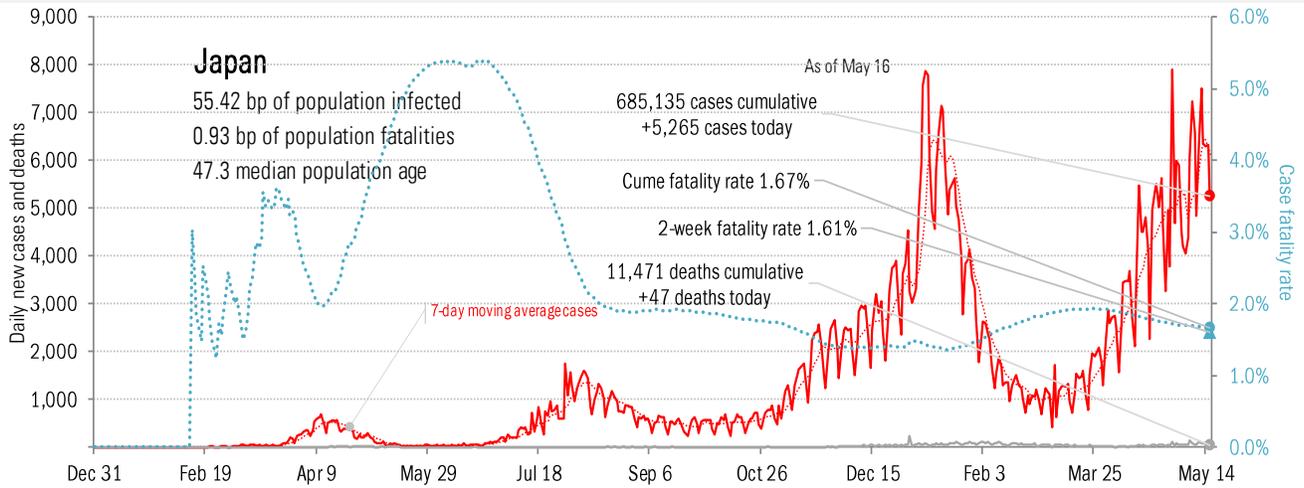
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



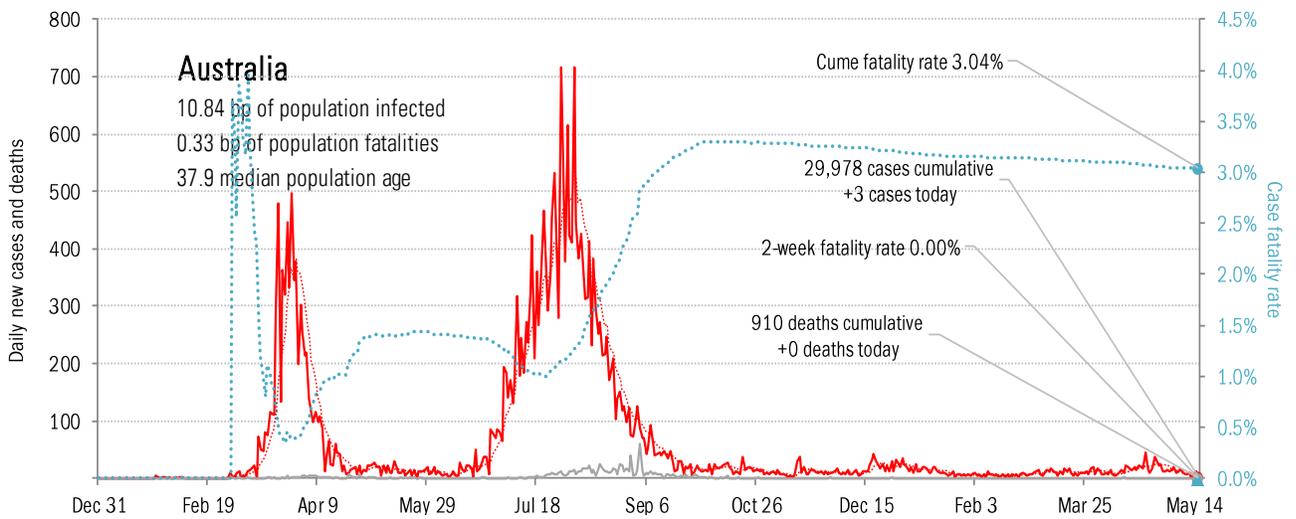
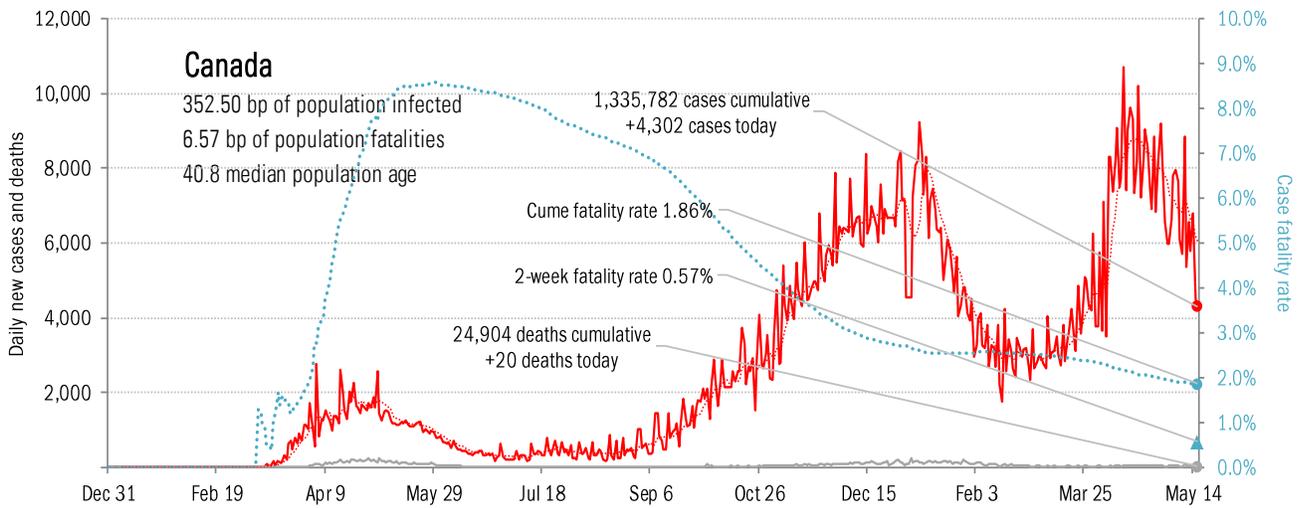
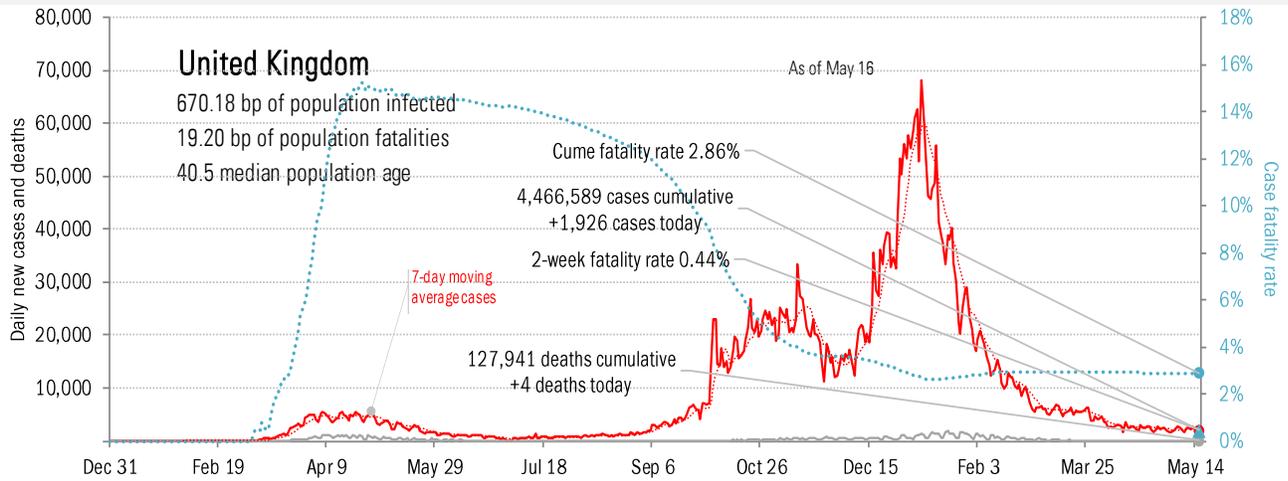
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



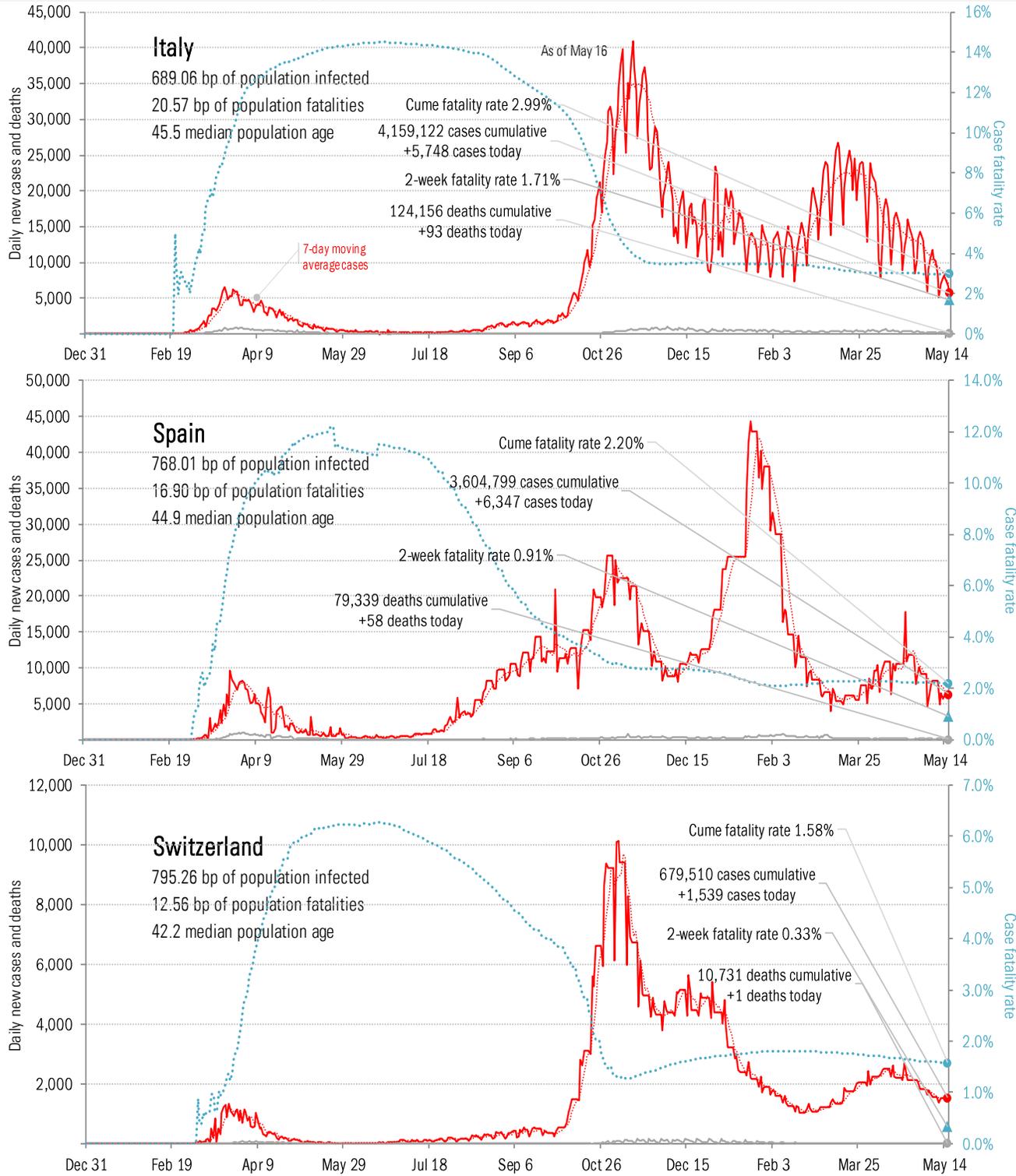
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



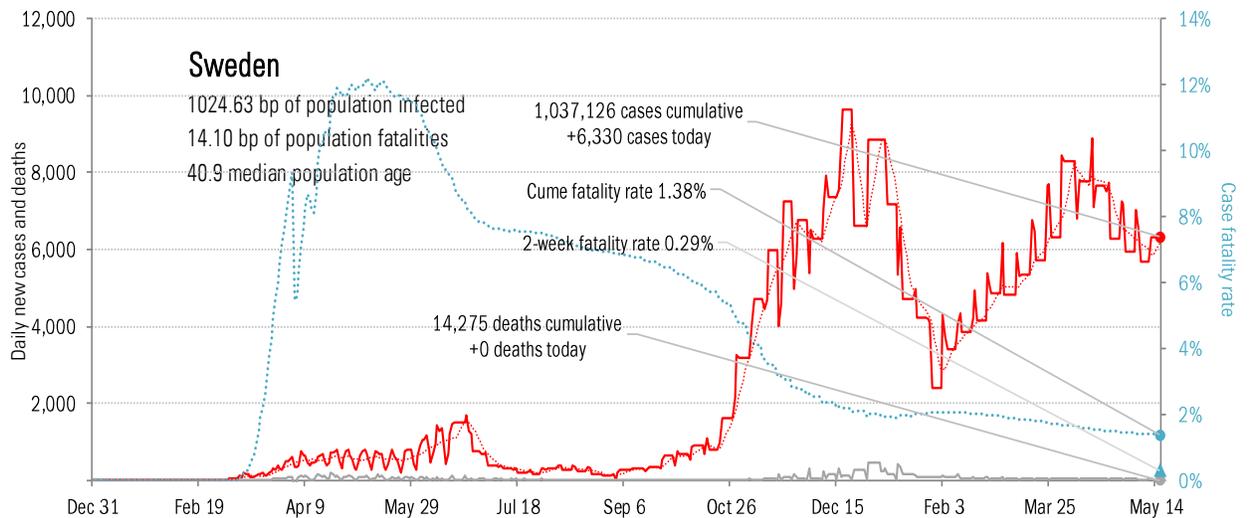
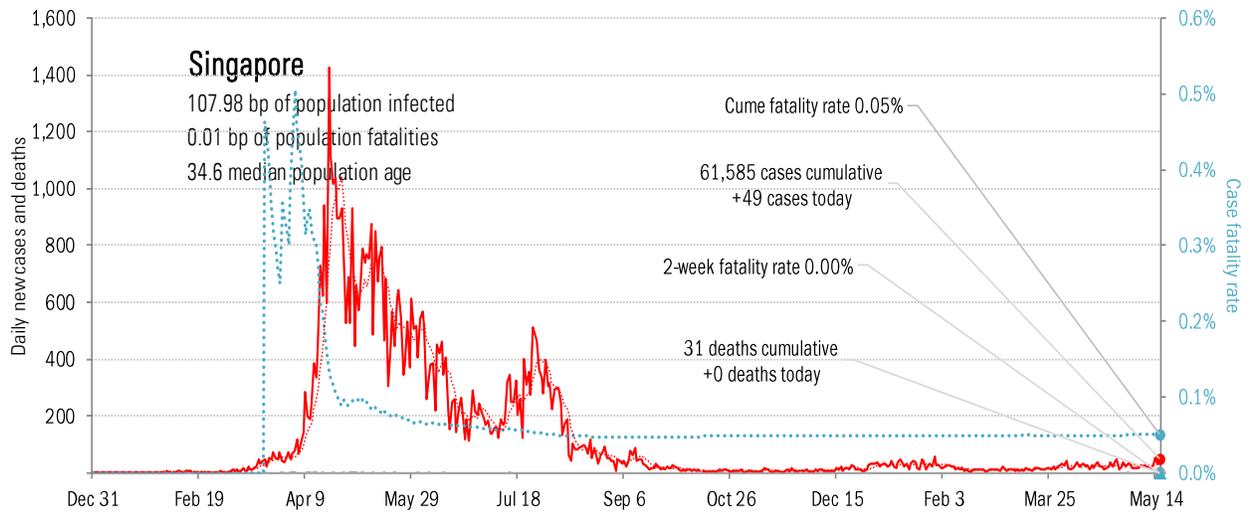
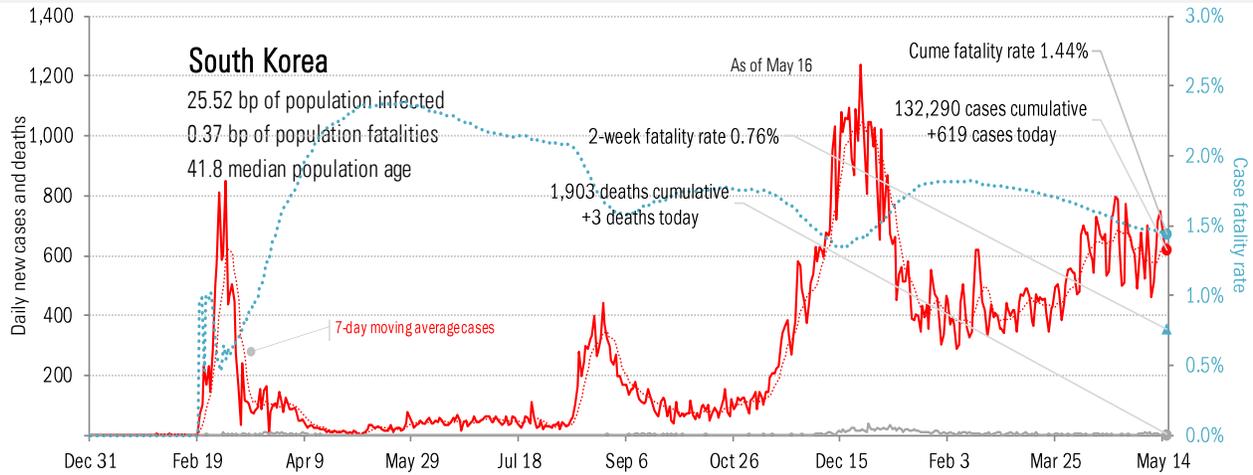
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



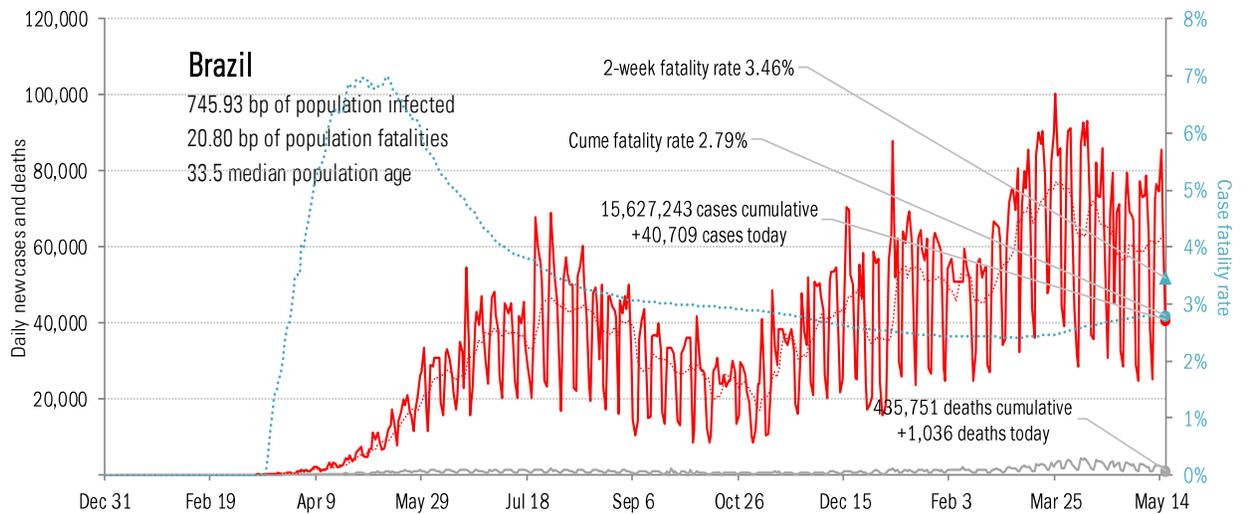
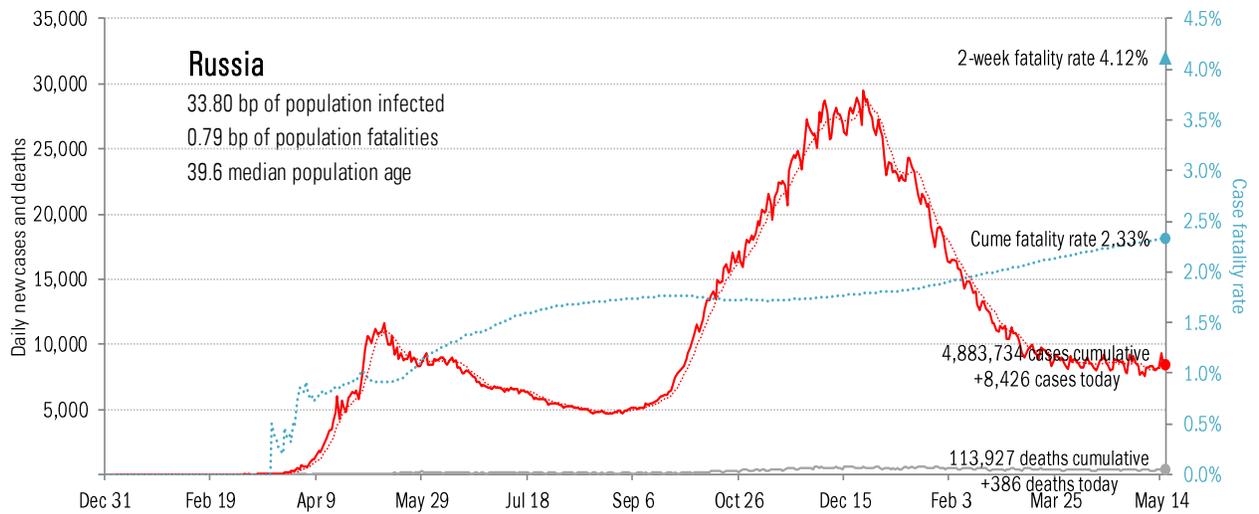
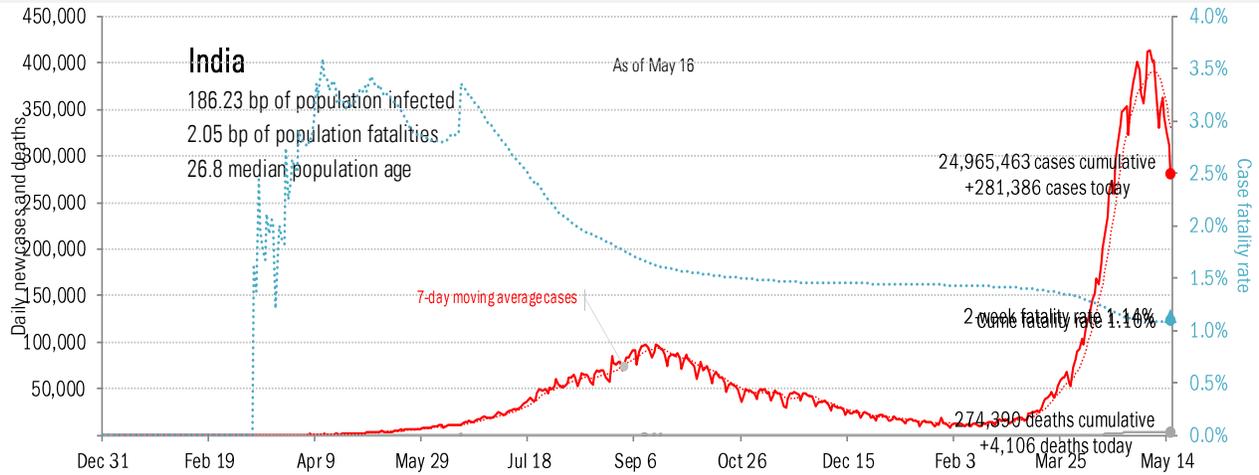
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



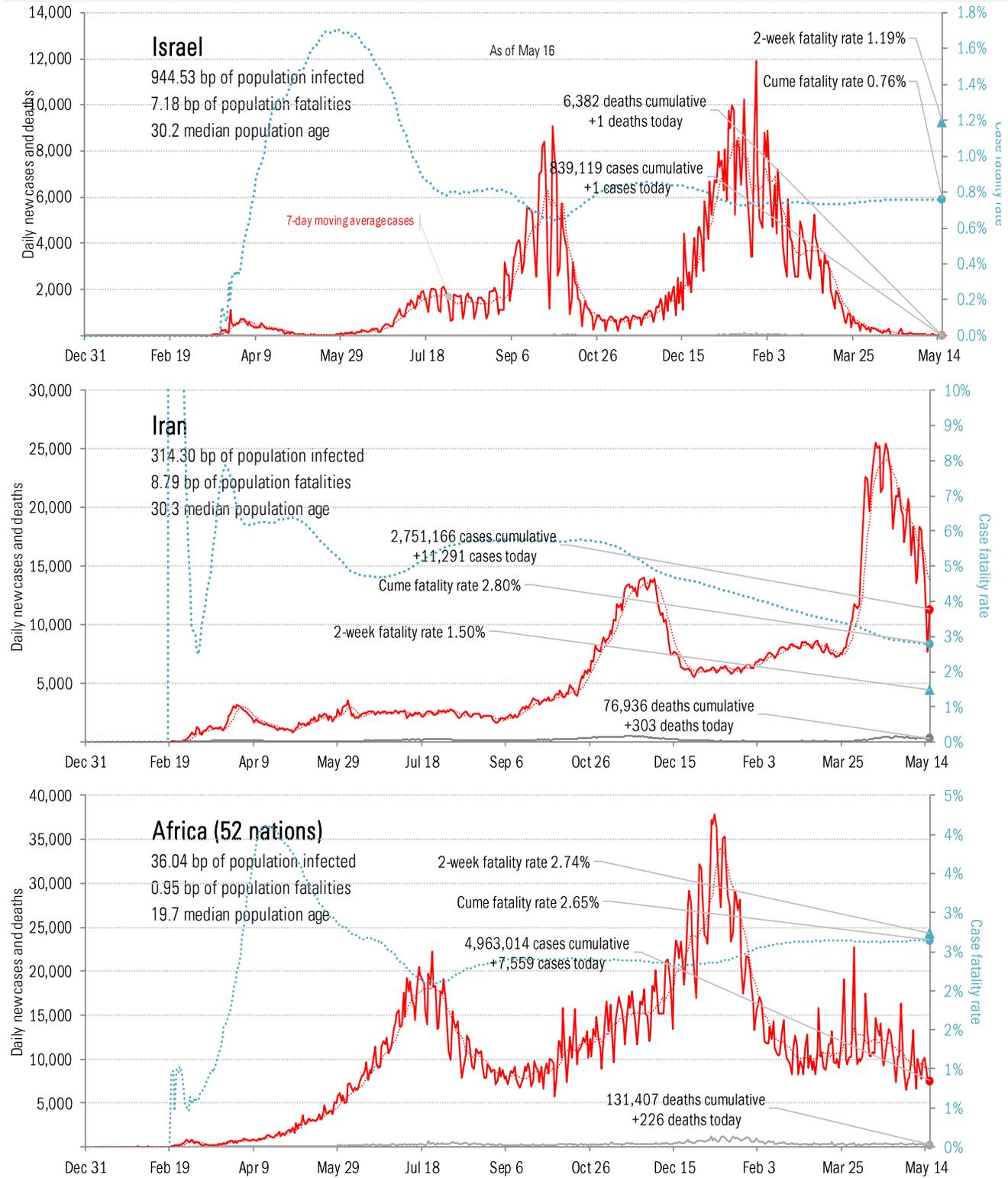
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



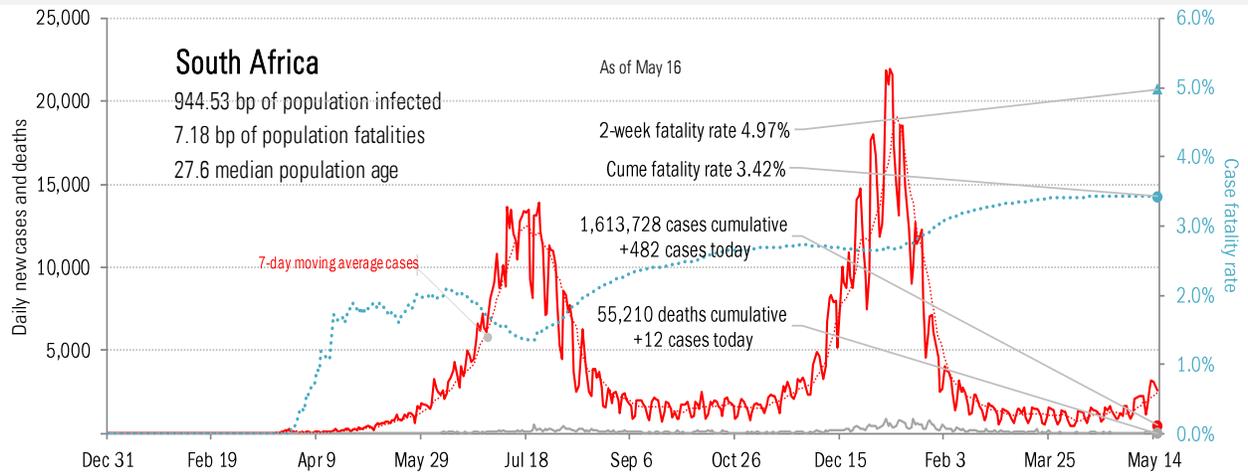
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations