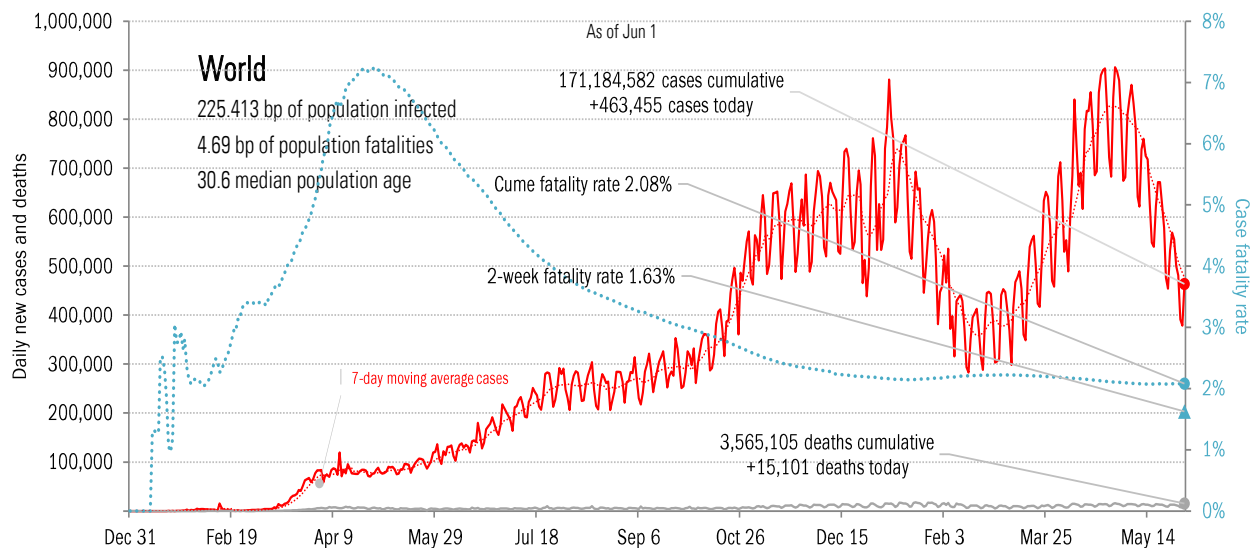
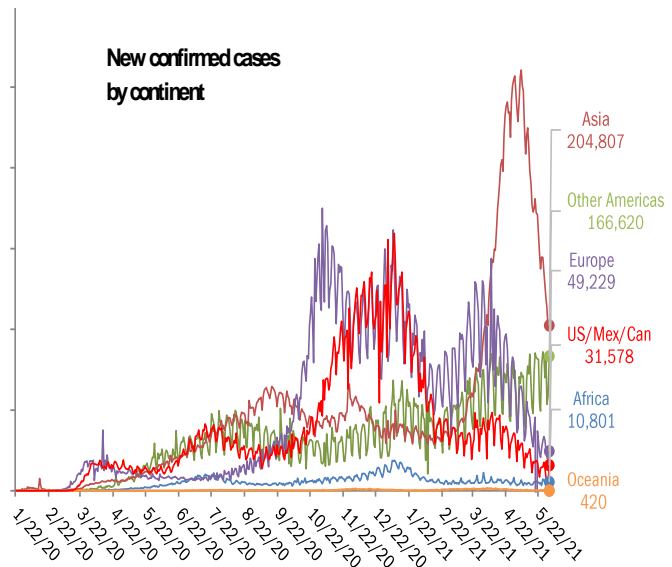


## Data Insights: Covid-2019 Monitor

Wednesday, June 2, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+132,788	Mexico	+4,272
Brazil	+78,926	India	+3,207
Argentina	+35,355	Brazil	+2,408
Colombia	+25,966	United States	+641
United States	+23,010	Argentina	+640
Iran	+10,687	Colombia	+523
France	+9,853	Russia	+366
Russia	+9,369	Germany	+180
Turkey	+7,112	Iran	+171
Malaysia	+7,105	Ukraine	+169
<b>+340,171</b>		<b>+12,577</b>	
World +463,455		World +15,101	
Top ten 73%		Top ten 83%	



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

#### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

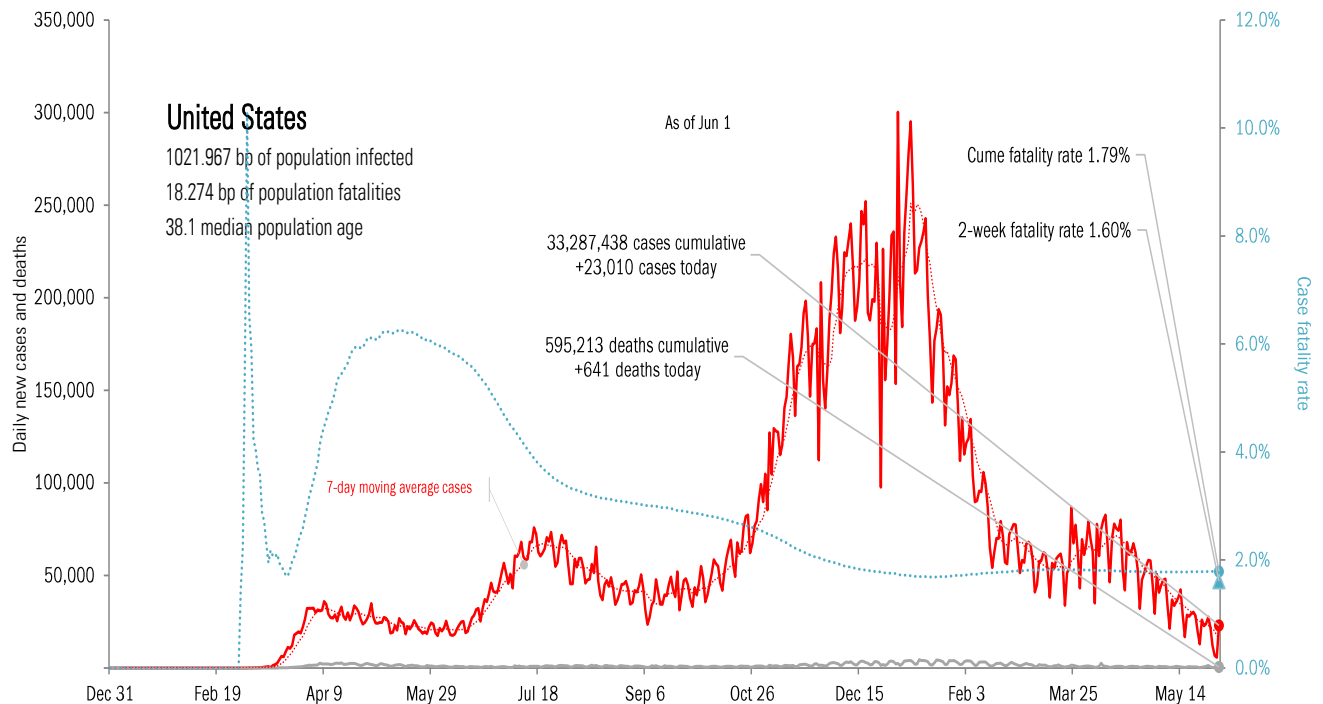
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+5,937		KY	+285		LA	+67		CA	3,790,976		CA	63,261		TX	247,997		R	92%	ME	17%
NC	+2,089		FL	+95		HI	+65		TX	2,954,084		NY	53,329		CA	235,981		MA	84%	WA	15%
CA	+1,404		NY	+26		GA	+37		FL	2,326,755		TX	51,525		FL	179,681		MO	81%	MI	14%
WA	+1,135		WA	+24		MO	+22		NY	2,102,869		FL	36,869		NY	134,248		PA	81%	CO	13%
MI	+984		NC	+23		FL	+12		IL	1,382,505		PA	27,204		GA	106,566		MD	80%	WV	13%
LA	+978		WI	+19		SC	+9		PA	1,204,598		NJ	26,219		PA	89,851		GA	79%	ID	13%
PA	+913		TX	+17		MS	+8		GA	1,124,080		IL	25,233		CH	85,751		MI	79%	MO	12%
TX	+675		LA	+16		NM	+5		CH	1,102,556		GA	20,838		IL	80,728		SC	79%	WY	11%
AL	+640		TN	+15		MT	+4		NJ	1,016,490		MI	20,389		KY	75,247		DC	79%	NM	11%
CH	+622		MI	+13		AR	+3		NC	1,003,243		CH	19,861		MI	71,646		CT	78%	MS	11%
+15,377			+533			+232			18,008,156			344,728			1,307,696						
All states	+23,010			+641			-219		All states	33,287,438			595,213			2,328,539		All states	70%		67%
Top ten	67%			83%			-106%		Top ten	54%			58%			56%		Median	71%		8%

Some states not reporting

## Five most improved US states

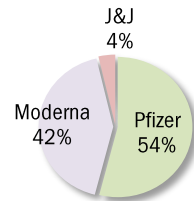
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AZ	-980	IL	-28	IN	-85	GA	+101 bp
WI	-357	WI	-7	IL	-79	NH	+71 bp
MS	-264	MD	-5	CA	-66	UT	+47 bp
SC	-170	VA	-5	TX	-63	MD	+46 bp
FR	-164	MS	-4	OK	-50	NE	+27 bp



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	378,798,885				+0.000 million	US	40.6%	50.4%
Doses administered	305,519,414				+1.479 million	UK	37.9%	58.2%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	16.7%	38.2%
Total population	172,977,076	52%	139,777,143	42%	+0.781 million	Spain	20.1%	38.9%
Age 12 to 17	6,336,732	25%	2,299,493	9%	+0.046 million	Germany	18.6%	44.2%
Age 18 to 64	117,929,734	58%	95,034,874	47%	+0.695 million	Italy	20.3%	39.5%
Age 65 and over	48,585,643	89%	42,433,759	78%	+0.040 million	Australia	2.0%	15.1%
						Israel	59.3%	63.0%
						Canada	5.7%	58.3%
						Japan	2.9%	8.2%
						Africa	0.6%	1.8%
						India	3.2%	12.3%
						Brazil	10.5%	21.6%



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 **117 days** by Sep 26, 2021  
 65.7% of population >18 immunized  
 14.0% previously tested positive  
**79.7%** vs 60% adult herd immunity\*

Global data differs from sources, timing

AK
59.1%
46.2%
39.4%

ME
70.3%
63.2%
54.4%

WI	VT	NH								
53.7%	76.0%	68.1%								
51.2%	70.7%	60.0%								
44.6%	56.4%	49.2%								
WA	ID	MT	ND	MN	IL	MI	NY	MA		
61.7%	47.8%	54.0%	47.5%	58.8%	59.1%	59.4%	61.4%	70.7%		
56.8%	37.7%	45.3%	42.2%	54.5%	55.1%	48.9%	55.9%	66.6%		
46.7%	32.8%	38.3%	36.6%	46.2%	40.2%	42.2%	47.0%	53.8%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
66.9%	50.0%	46.6%	56.2%	55.7%	50.9%	53.9%	62.9%	65.1%	67.3%	71.8%
55.0%	45.7%	37.0%	48.2%	49.3%	41.9%	45.9%	58.5%	60.5%	63.4%	61.0%
45.5%	37.0%	31.8%	42.4%	43.9%	35.5%	40.3%	43.7%	48.9%	53.7%	51.8%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
63.3%	51.0%	61.7%	54.6%	50.7%	51.3%	54.3%	60.5%	69.2%	66.2%	
57.0%	45.3%	54.3%	48.5%	42.3%	46.5%	40.8%	55.4%	57.6%	54.9%	
43.3%	32.5%	45.4%	42.4%	34.4%	38.5%	34.0%	45.3%	48.2%	43.4%	
AZ	NM	KS	AR	TN	NC	SC	DC			
56.6%	57.5%	54.1%	48.8%	47.2%	57.2%	52.4%	76.8%			
46.4%	57.9%	46.9%	39.6%	39.3%	43.4%	41.0%	57.2%			
36.1%	47.9%	38.5%	31.2%	31.8%	36.2%	33.8%	46.4%			
OK	LA	MS	AL	GA						
52.5%	44.5%	46.4%	49.5%	53.4%						
41.6%	35.8%	34.0%	36.0%	39.9%						
33.8%	31.3%	27.1%	29.2%	32.1%						
HI	TX	FL	PR							
67.8%	55.6%	59.0%	63.4%							
66.9%	44.3%	49.3%	51.0%							
47.8%	35.6%	39.2%	37.2%							

As of Jun 1

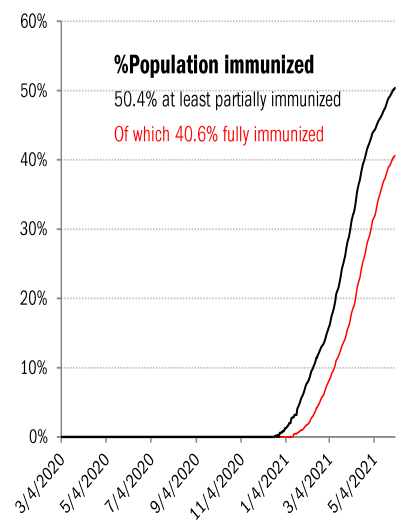
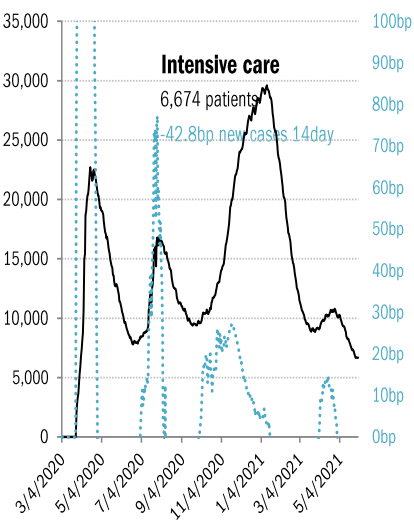
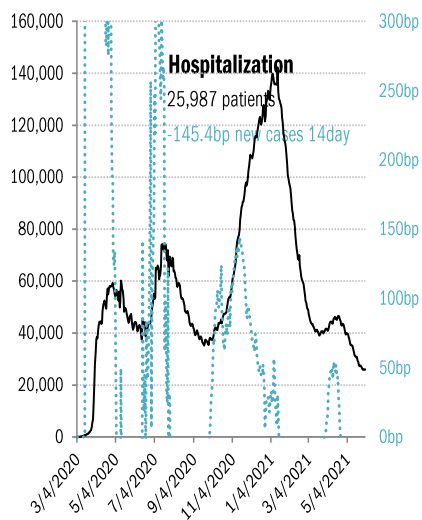
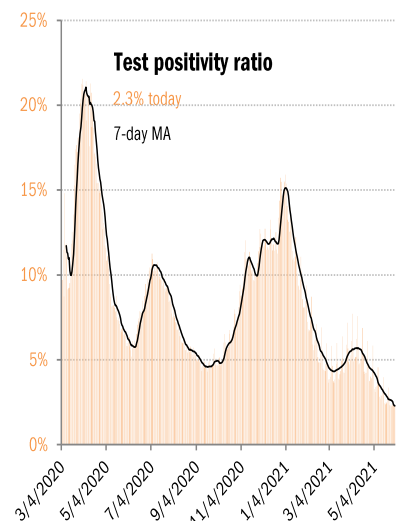
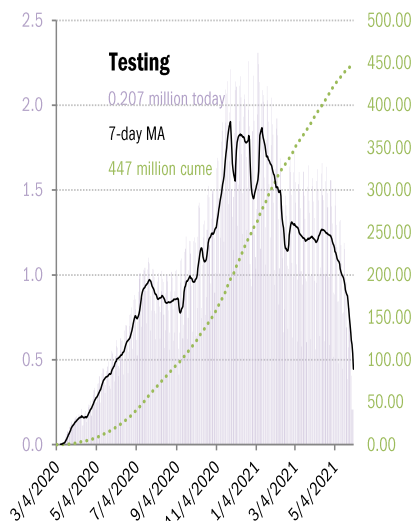
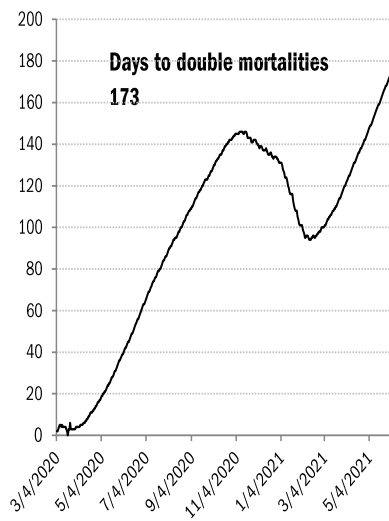
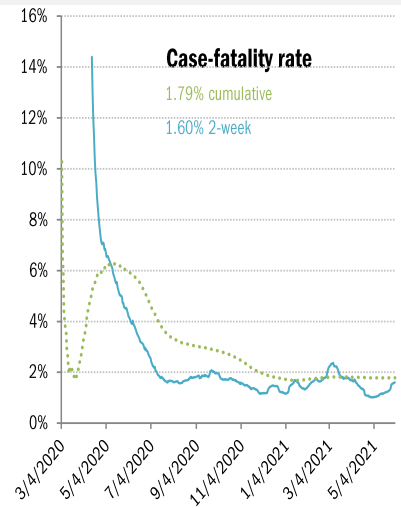
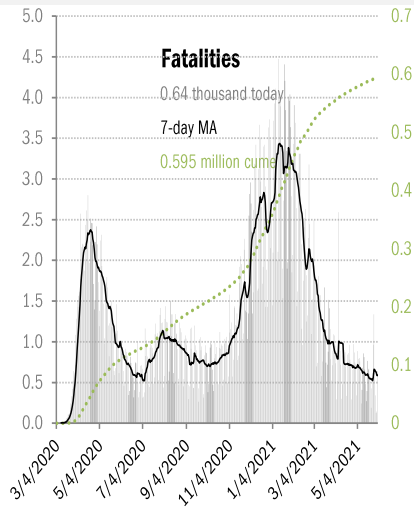
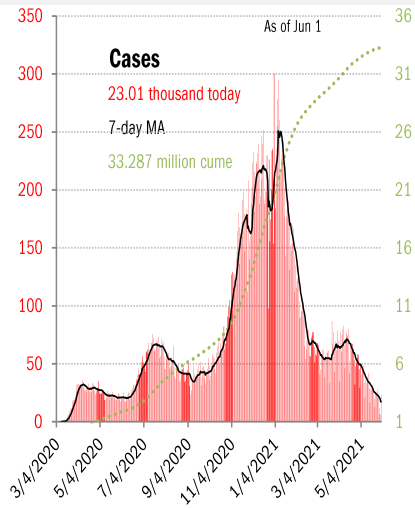
\* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

\*\* 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

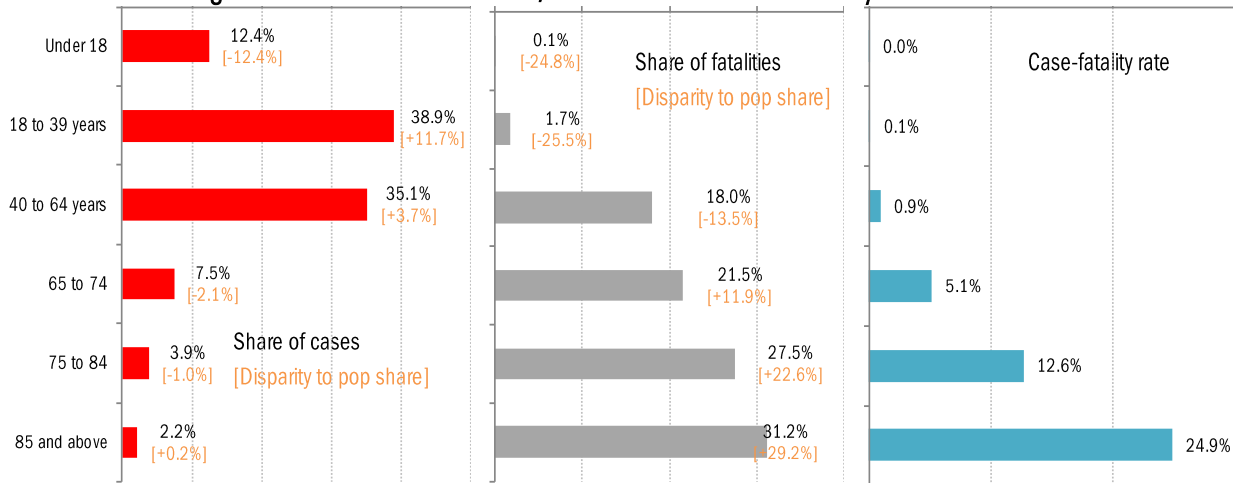
# US deep-dive

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

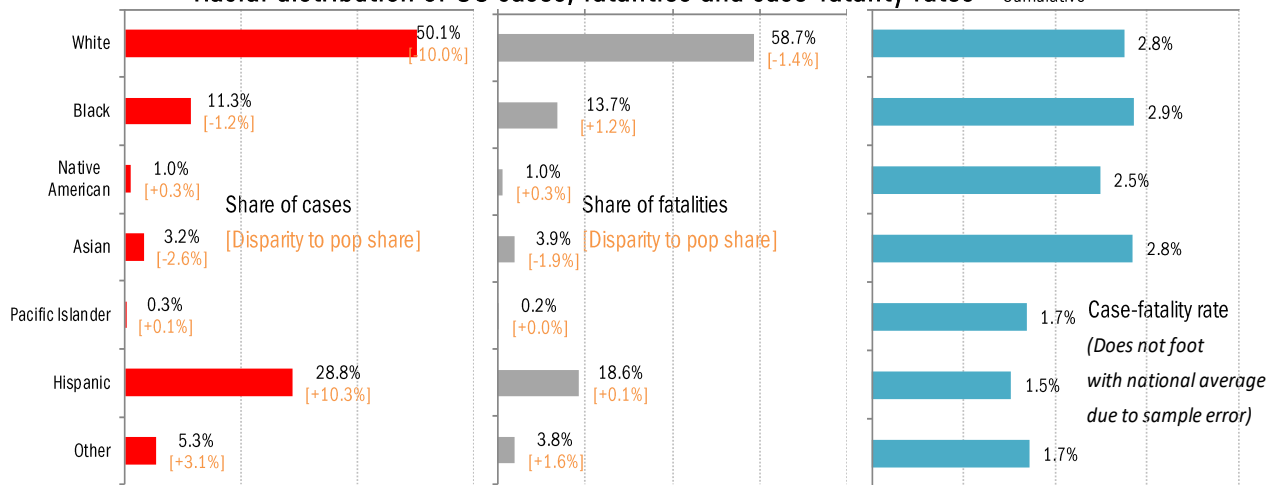


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

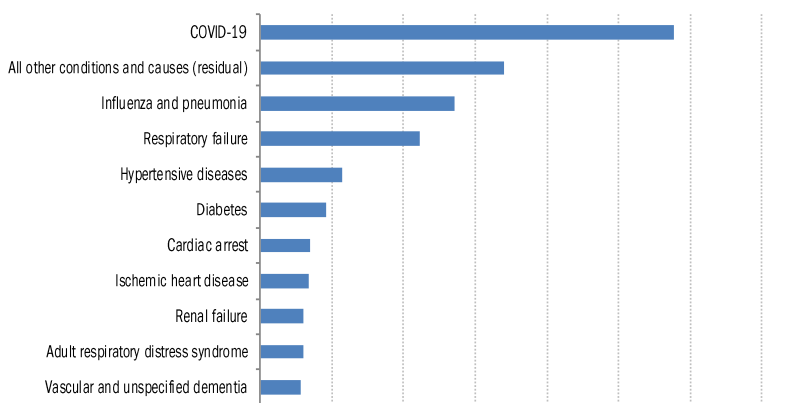


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of May 23

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

[Number of COVID cases in Delhi crashes after mass distribution of ivermectin](#)

Thomas Lifson  
*American Thinker*  
May 29, 2021

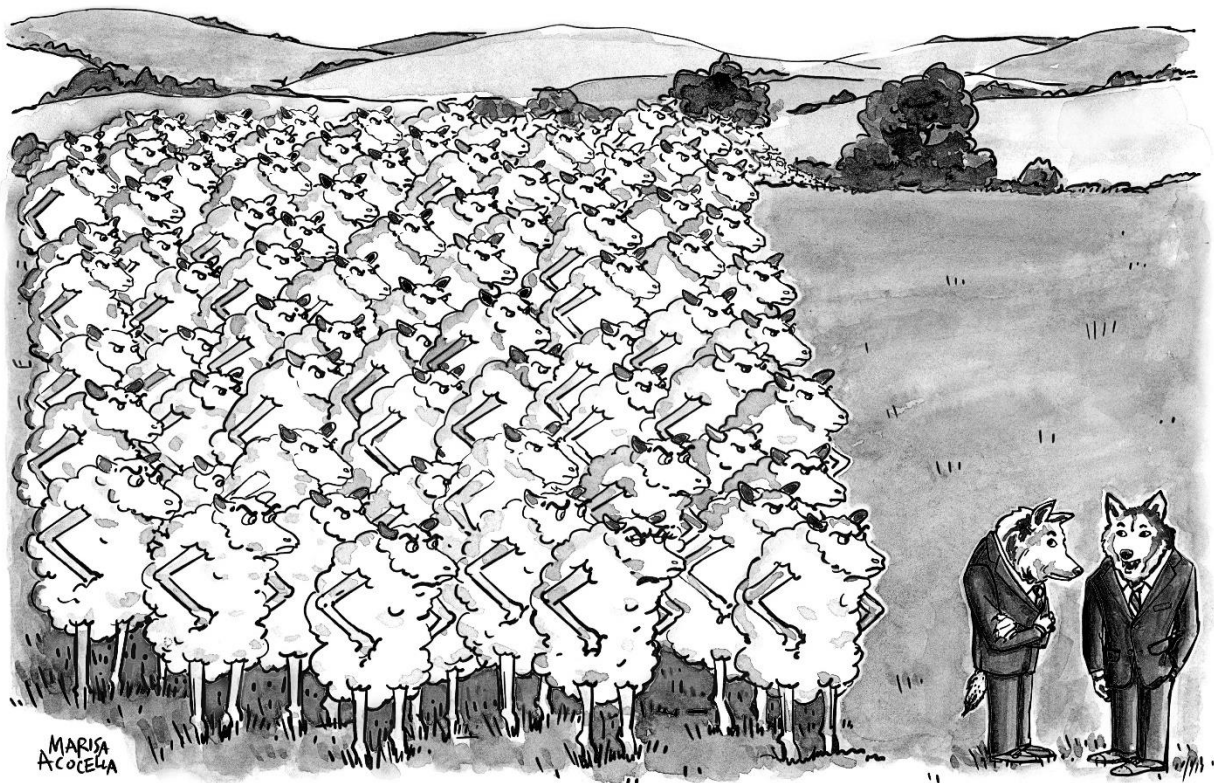
[Vaccine Slowdown Isn't Cause for Alarm](#)

Joel Zinberg  
*Wall Street Journal*  
June 1, 2021

[Joe Biden's Covid 'Science'](#)

William McGurn  
*Wall Street Journal*  
May 31, 2021

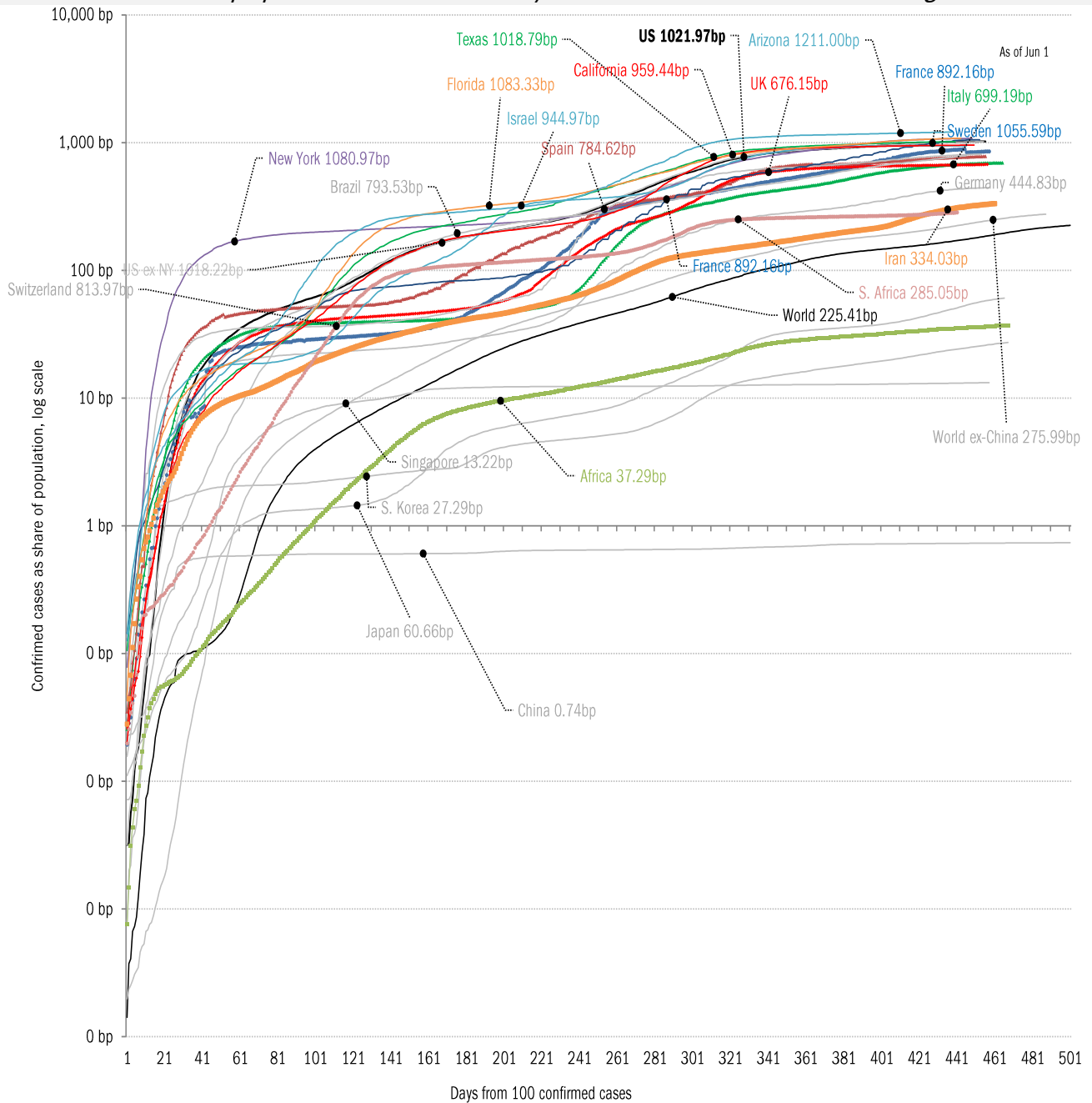
## Meme of the day



*"It seems you promised them herd immunity, sir."*

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

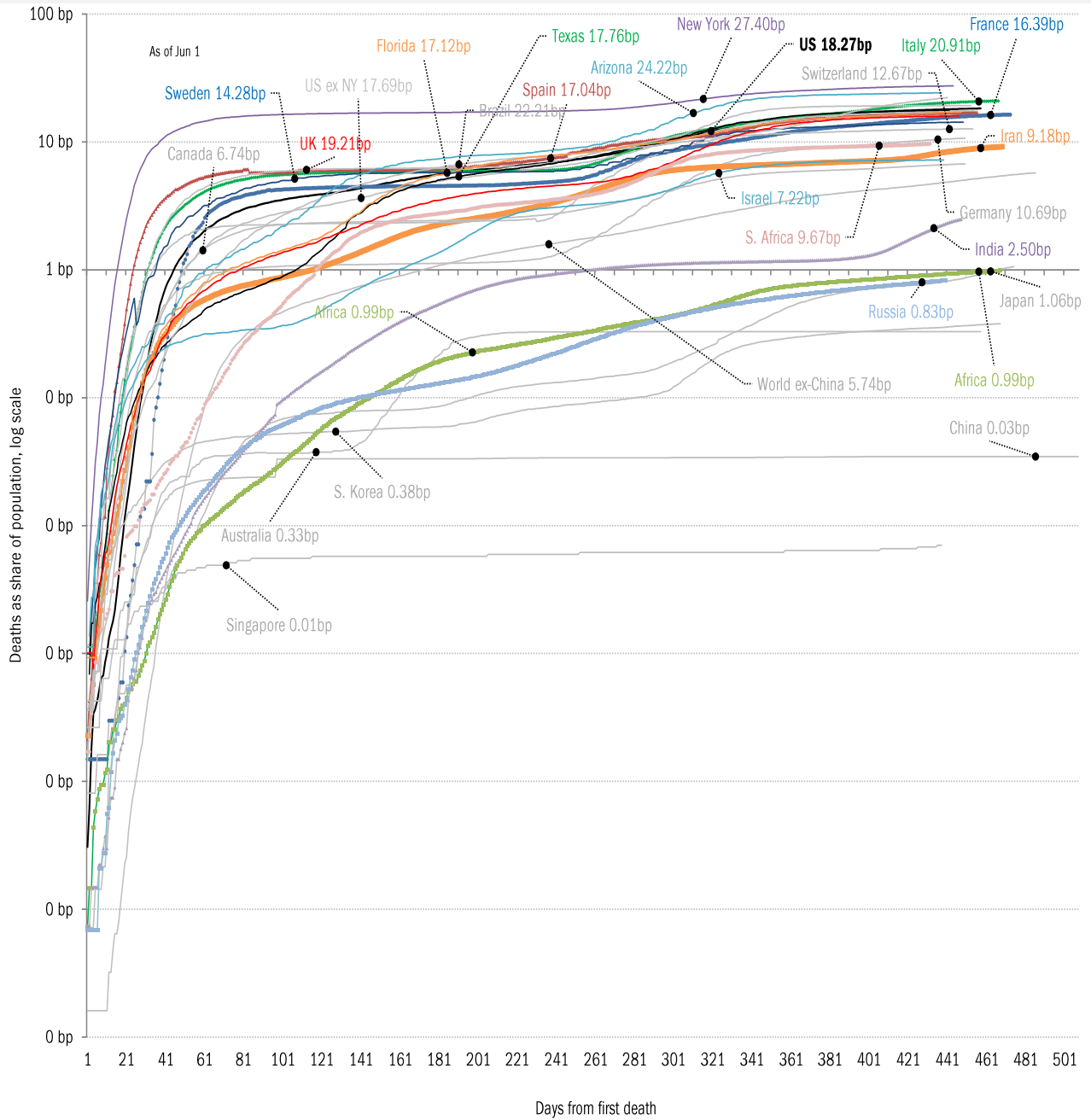
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

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

## Share of deceased population from day of first fatality



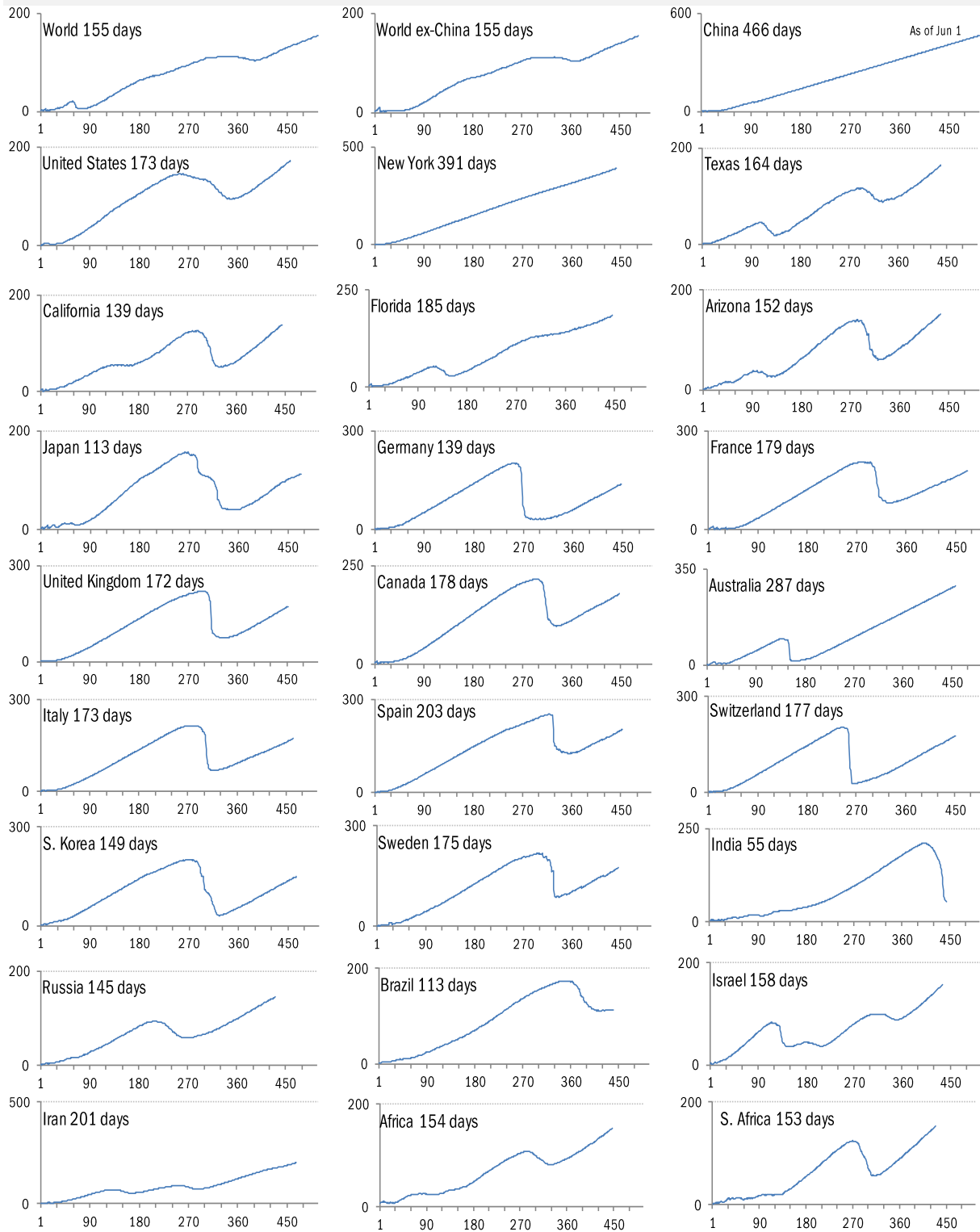
Source: [Johns Hopkins](#), TrendMacro calculations



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

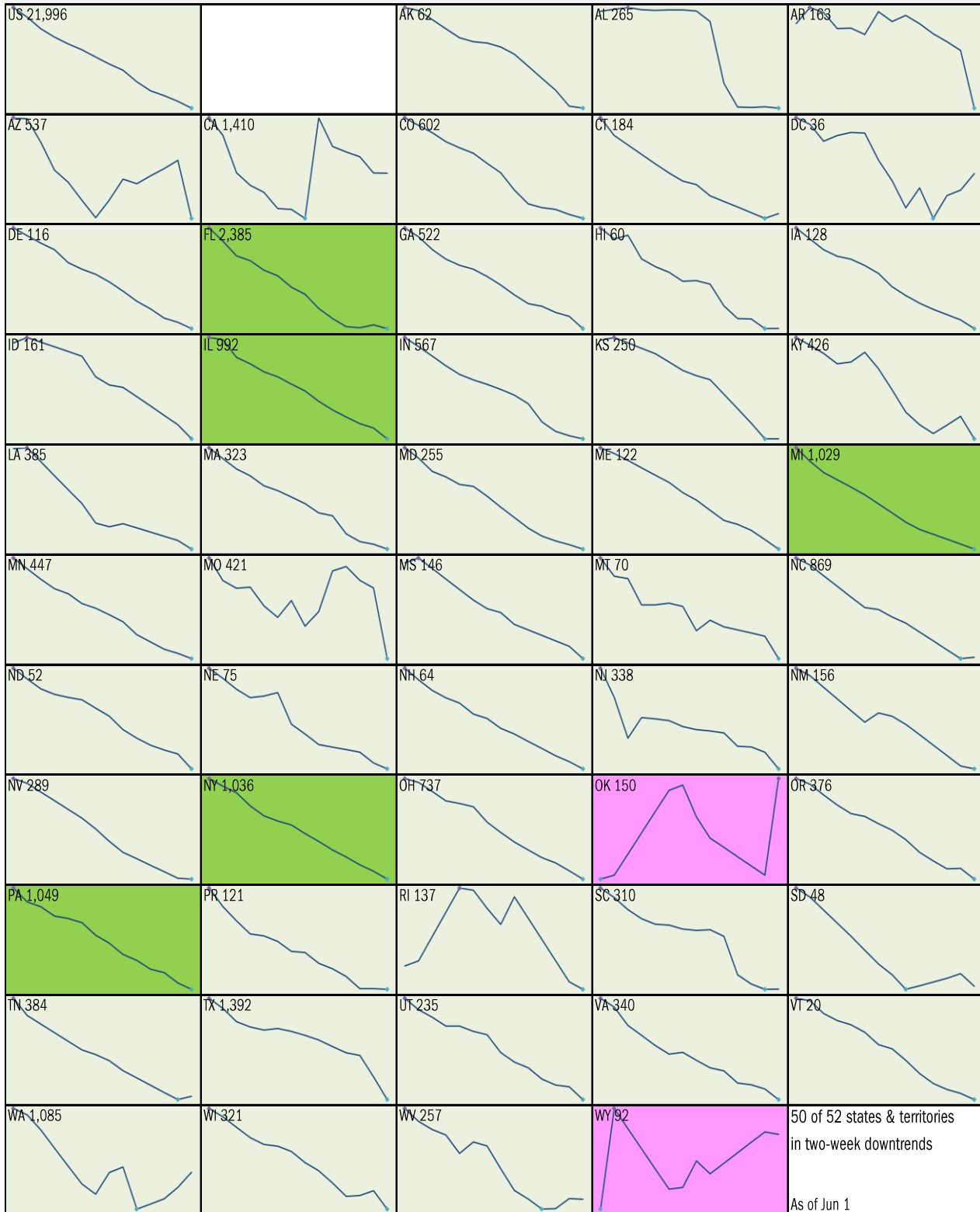
Vertical: days to double deaths Horizontal: days from first death

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

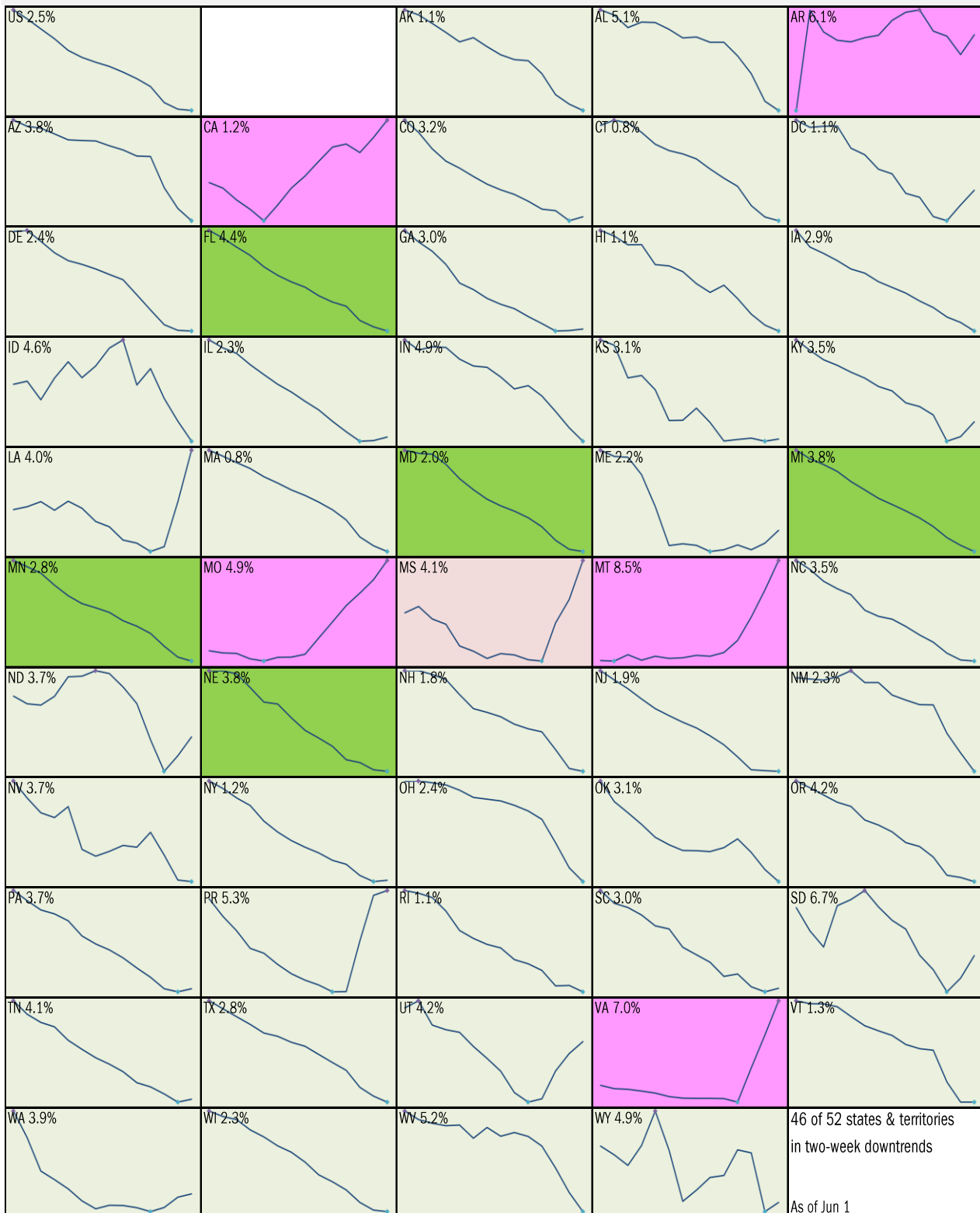


Source: [Johns Hopkins](#), TrendMacro calculations

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

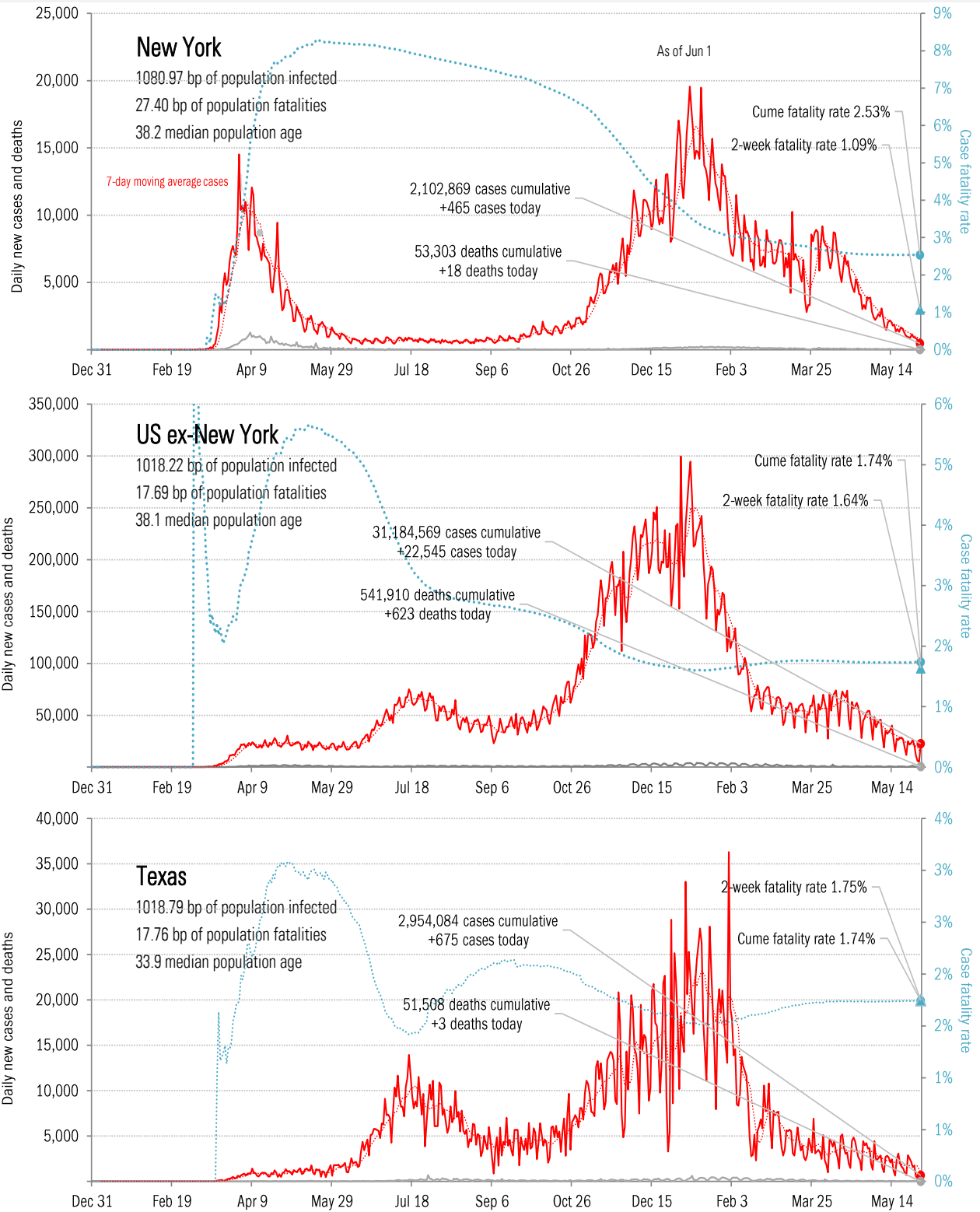
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



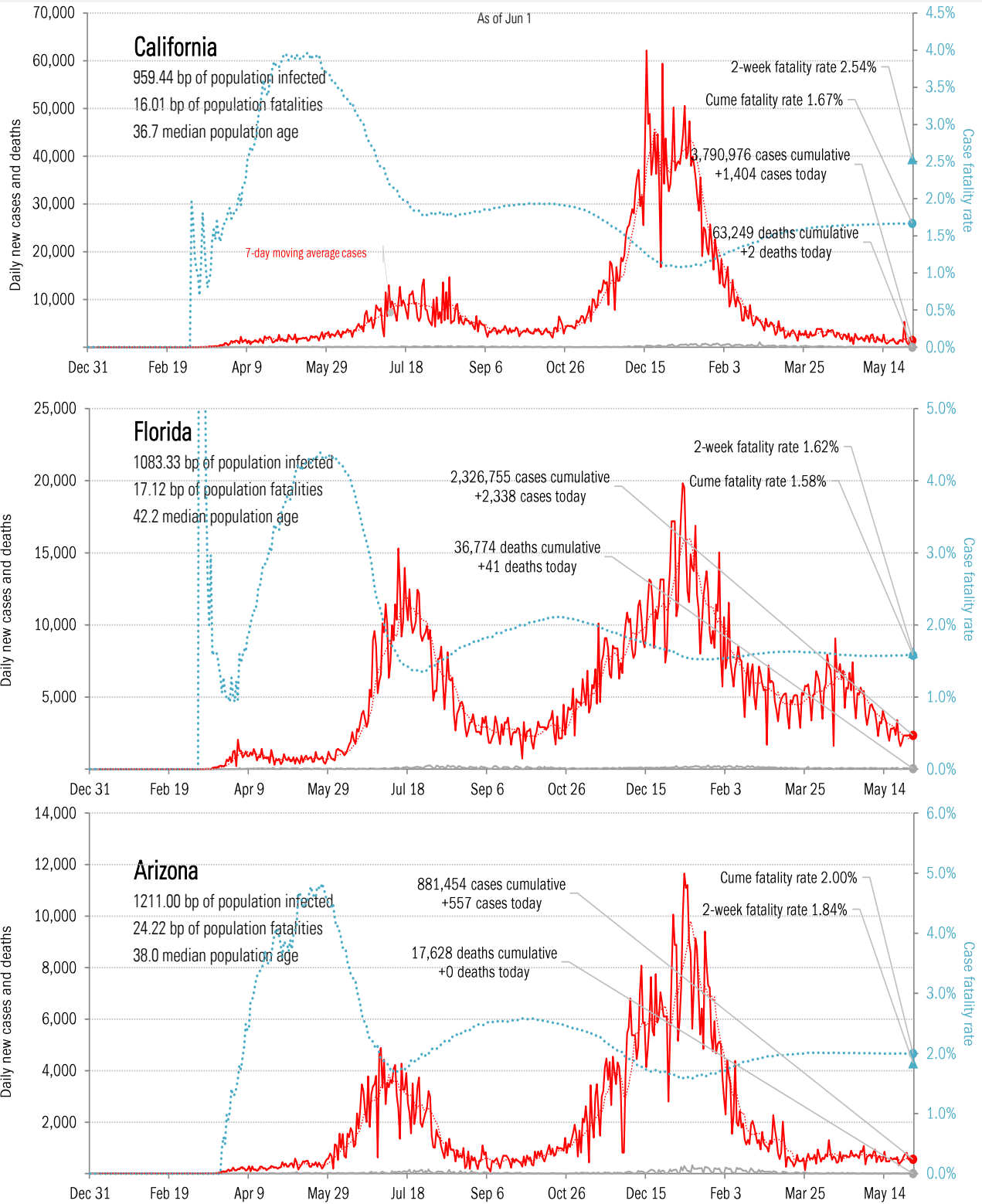
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



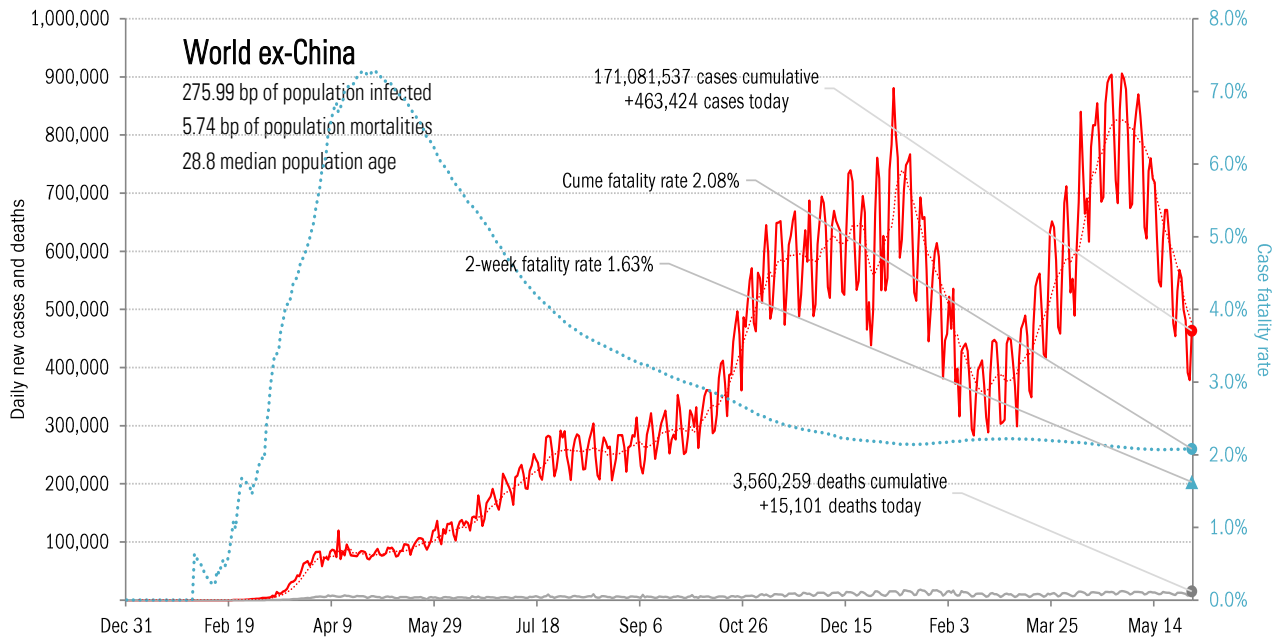
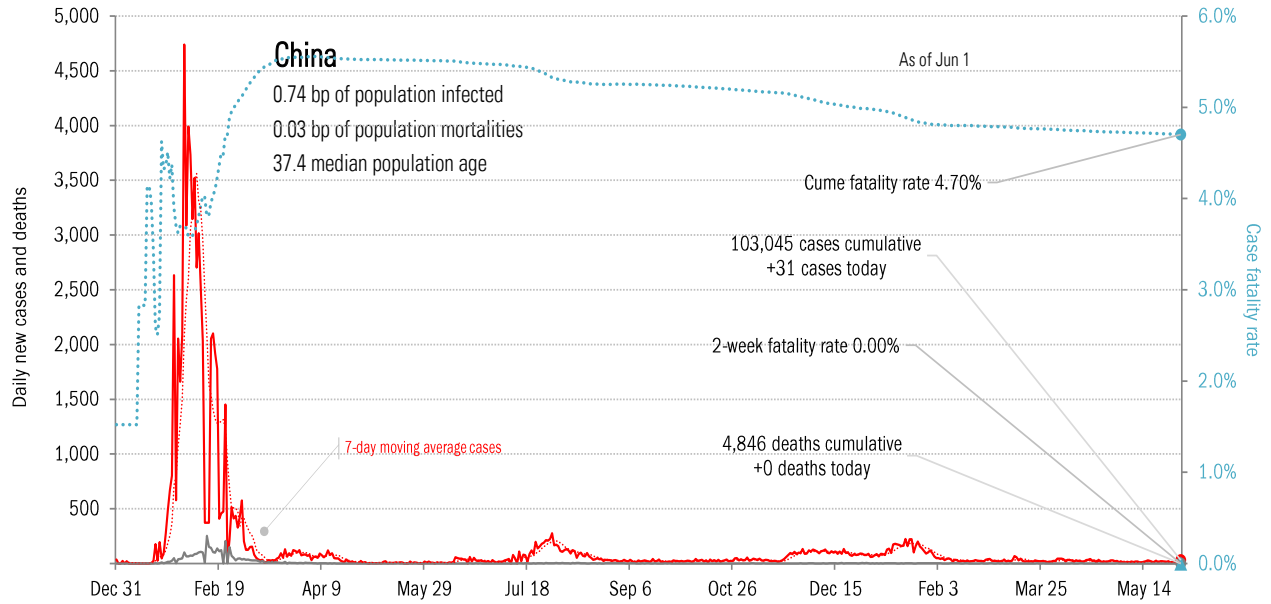
Source: [Johns Hopkins](#), TrendMacro calculations

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



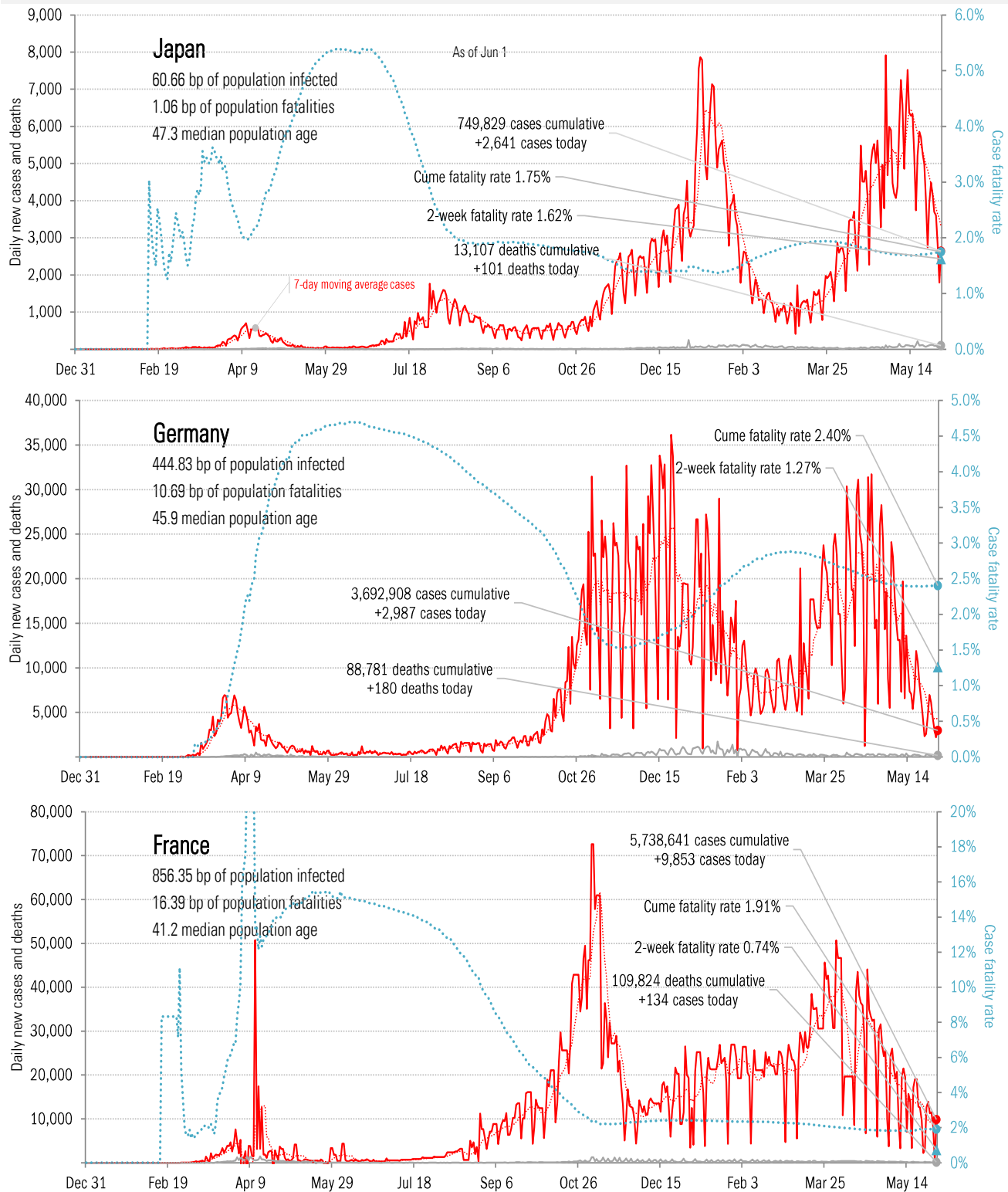
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



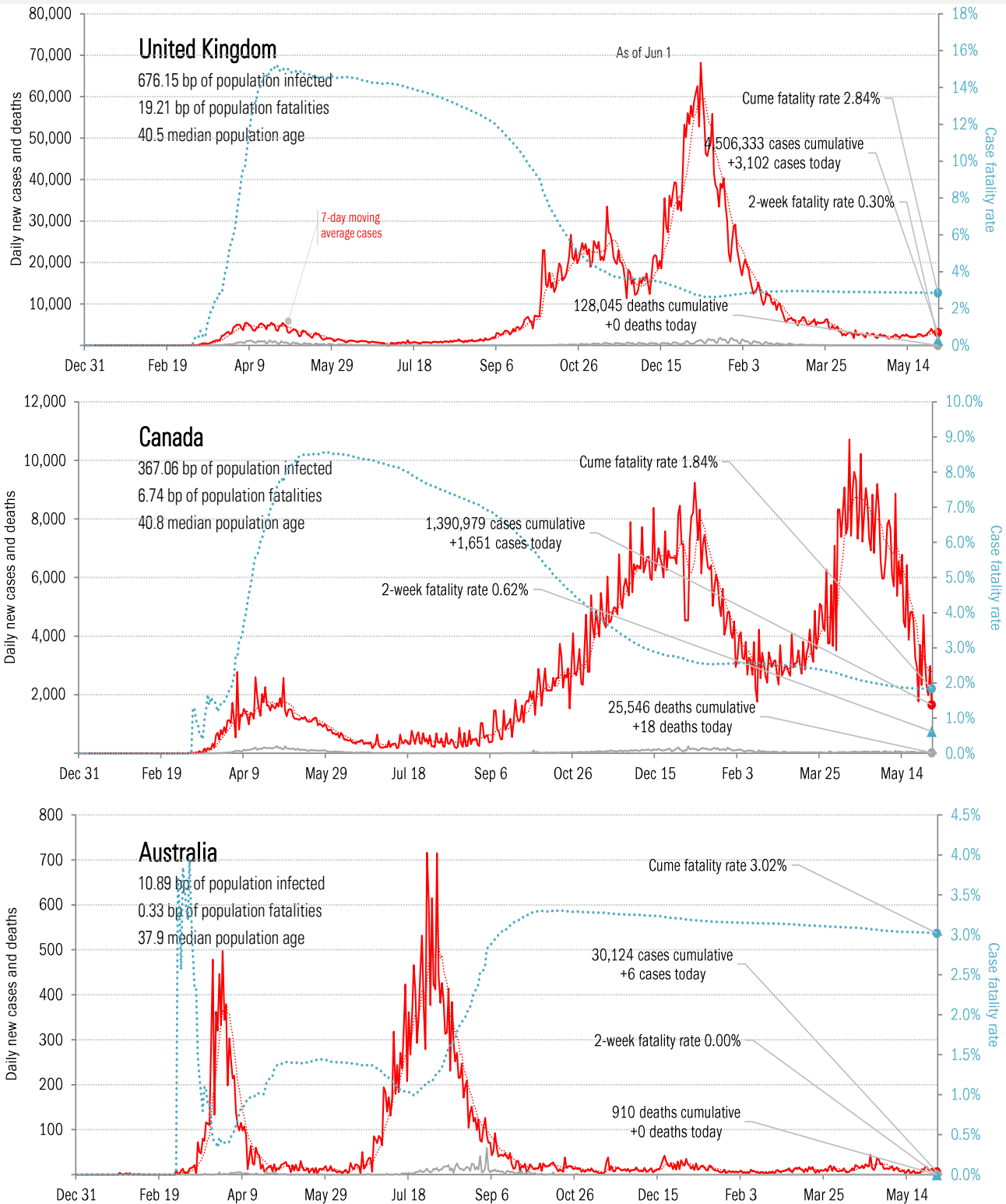
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

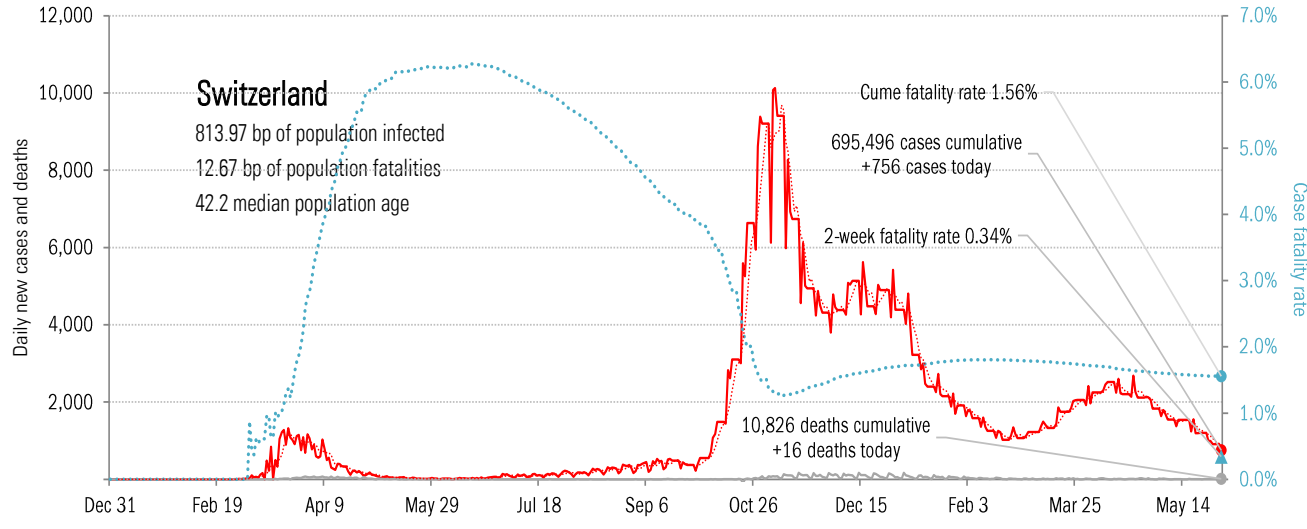
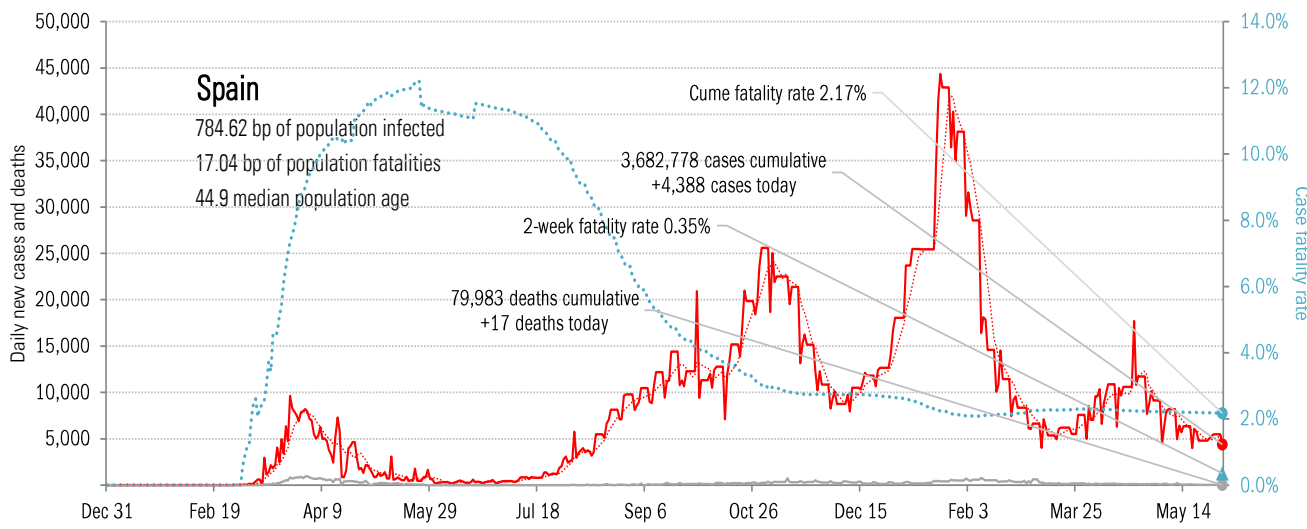
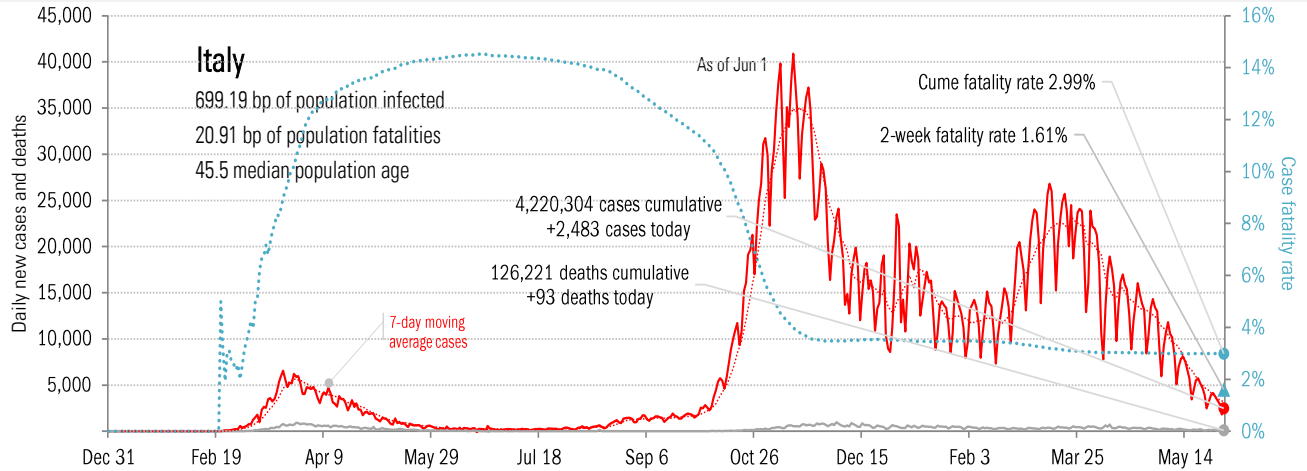
# Impact in The Anglosphere



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

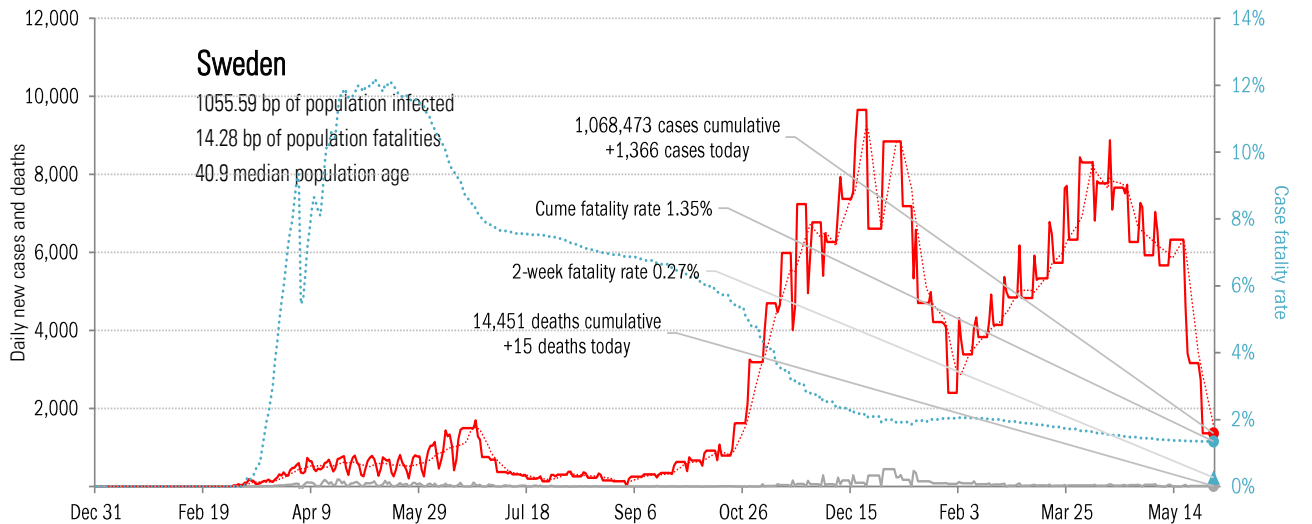
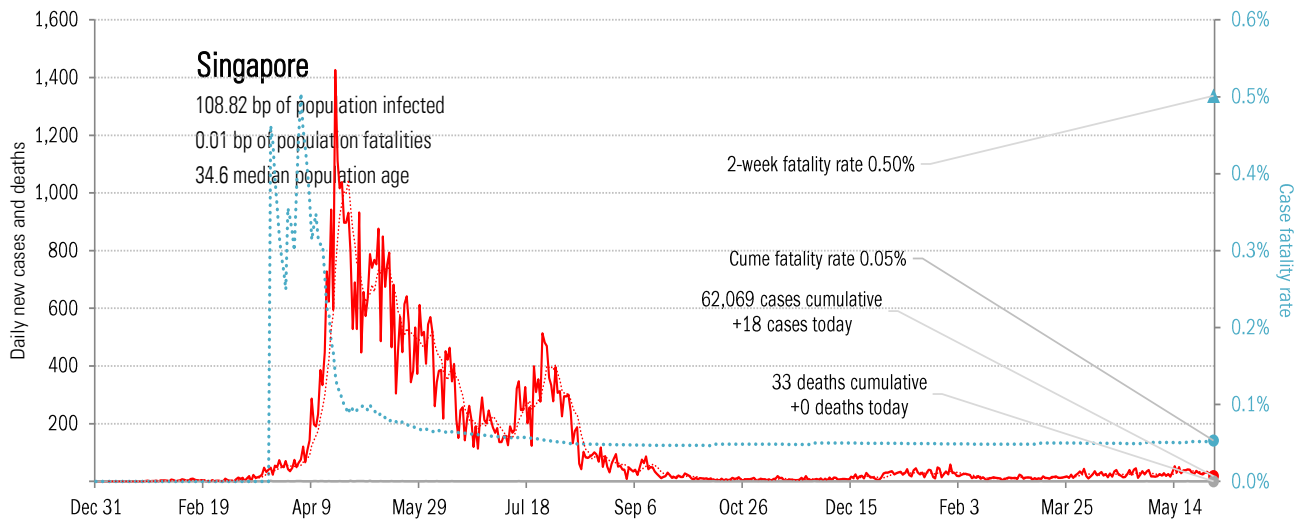
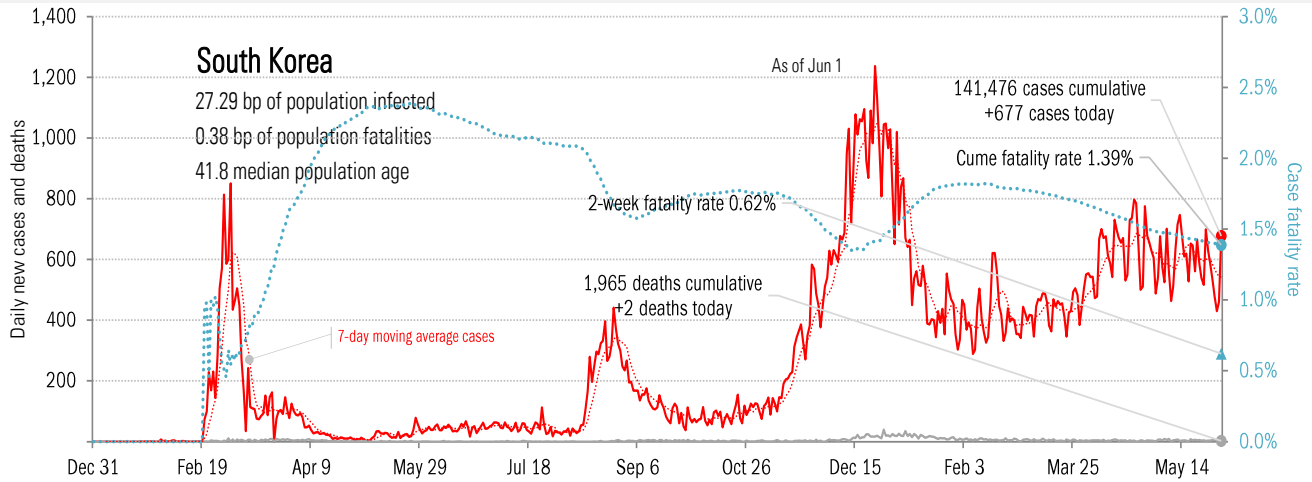


# Impact in continental Europe



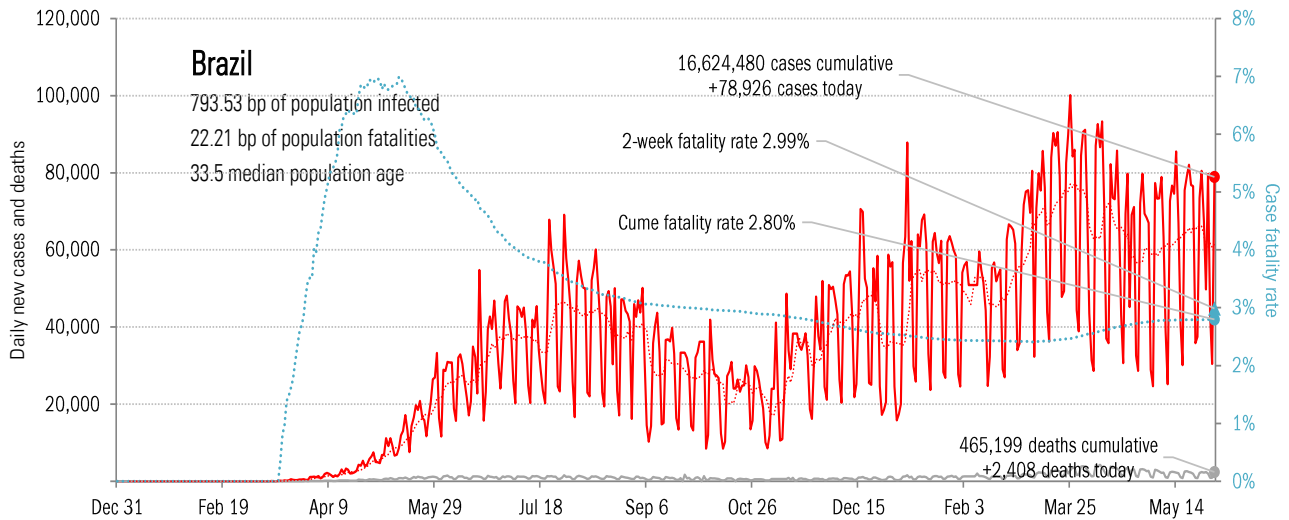
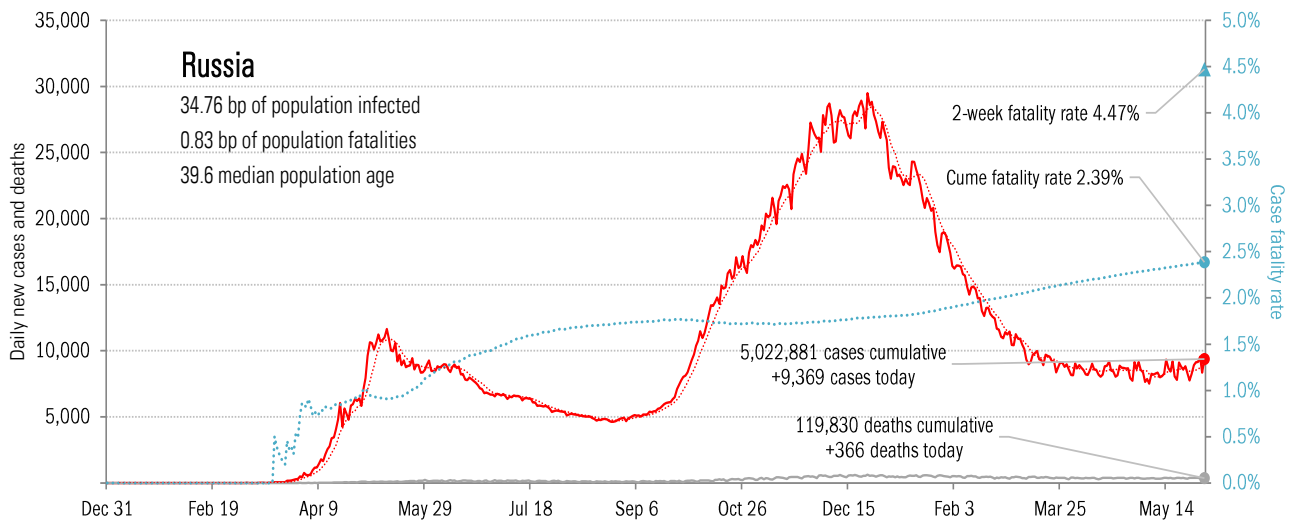
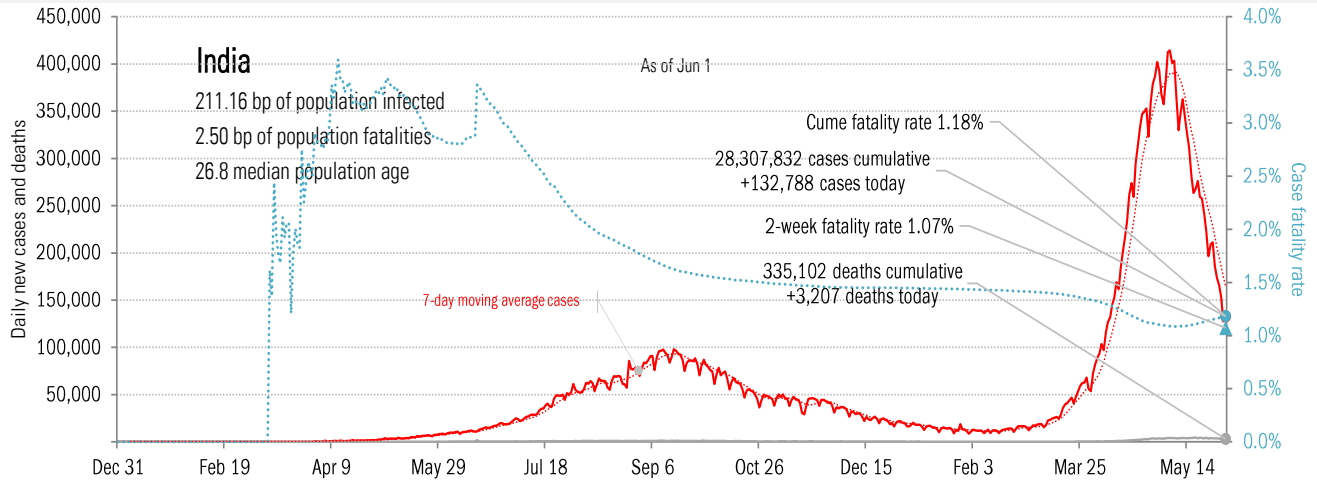
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



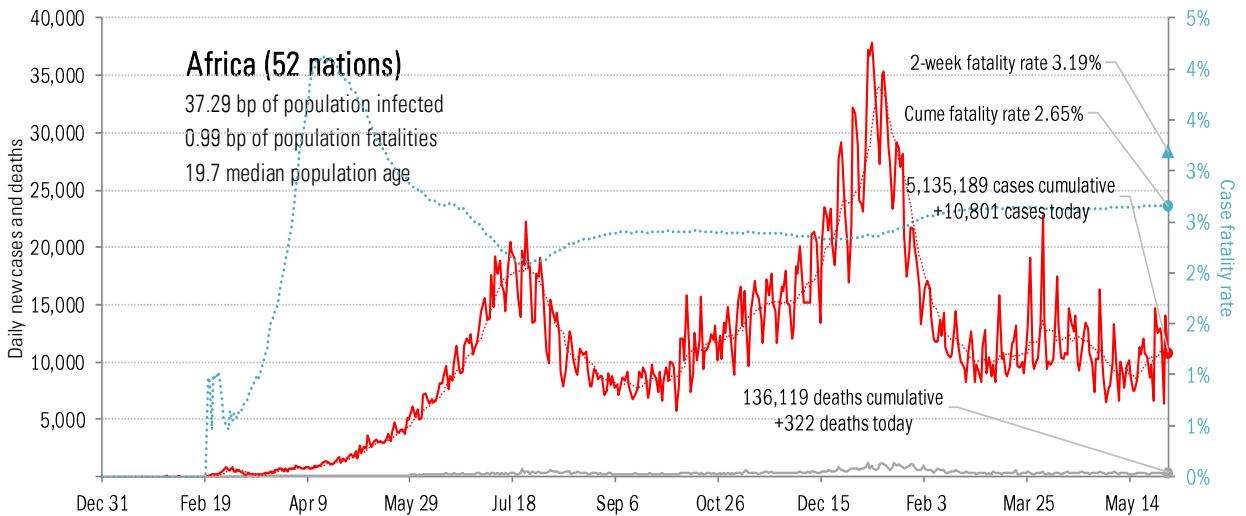
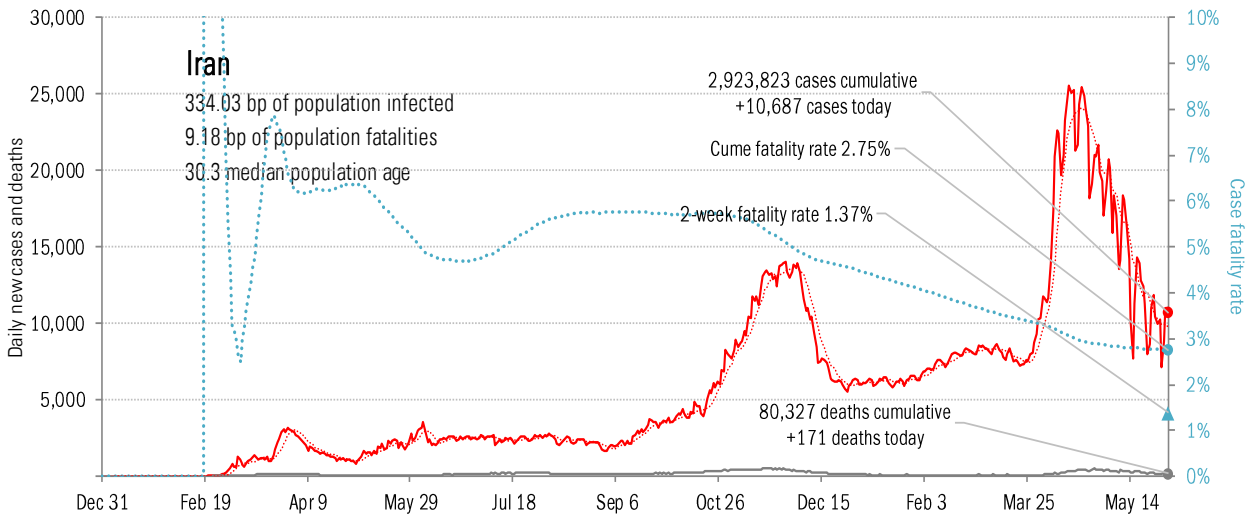
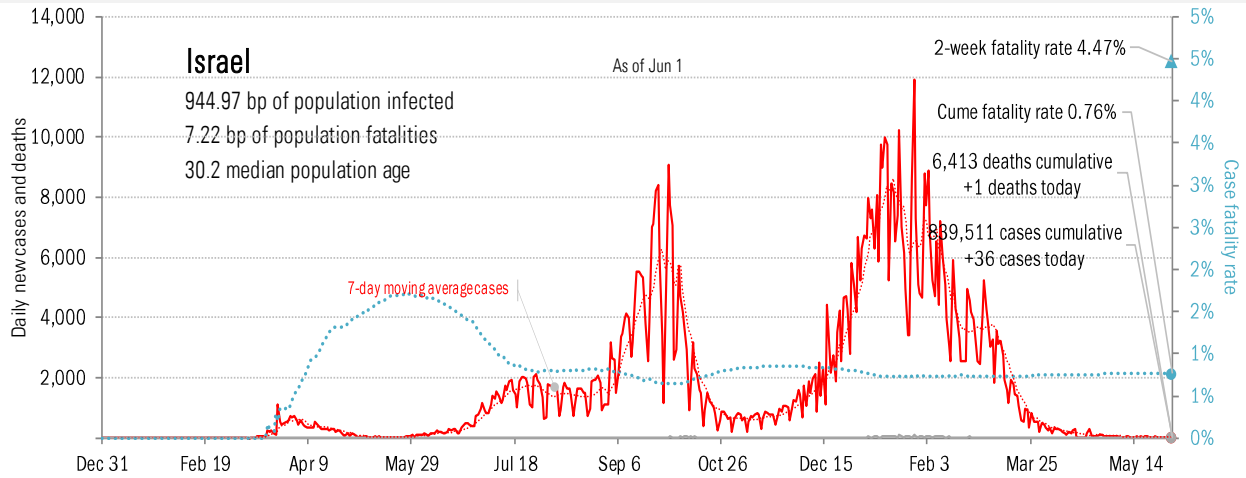
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



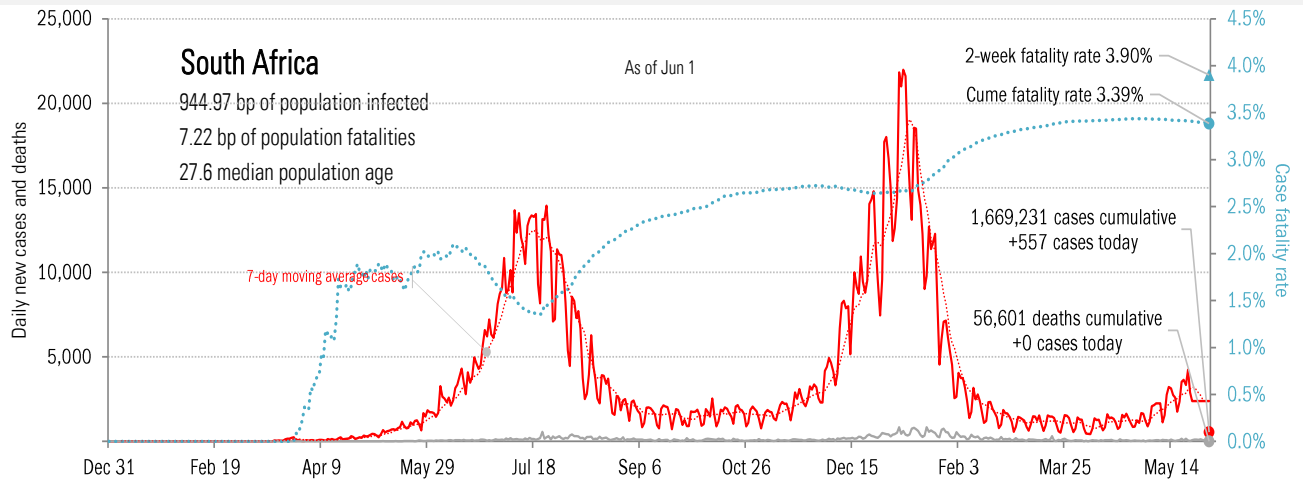
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

## Impact in Africa, continued



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