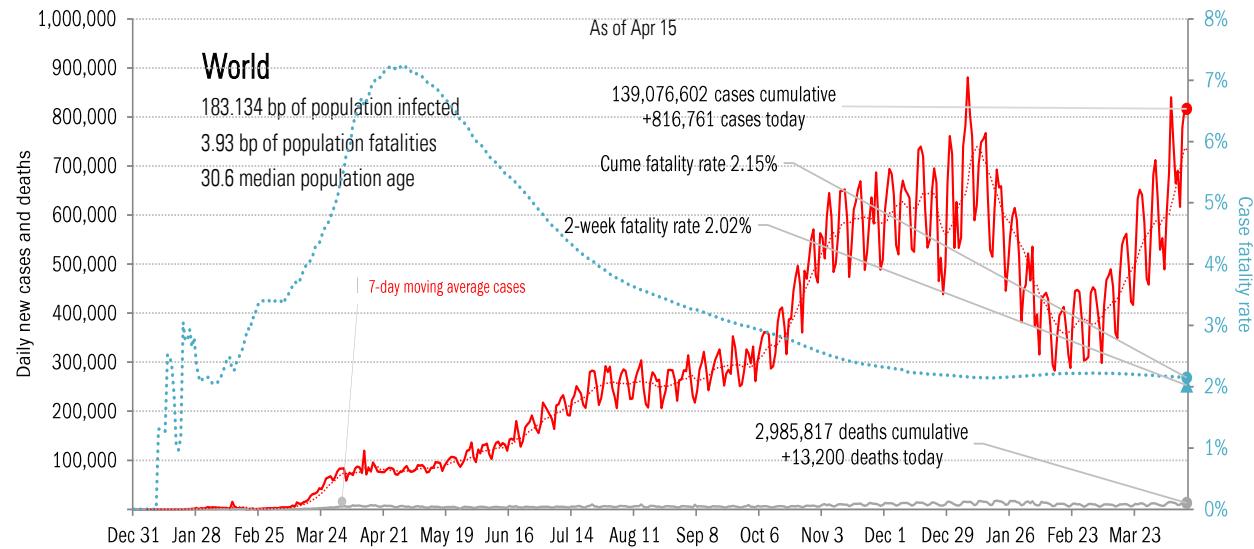
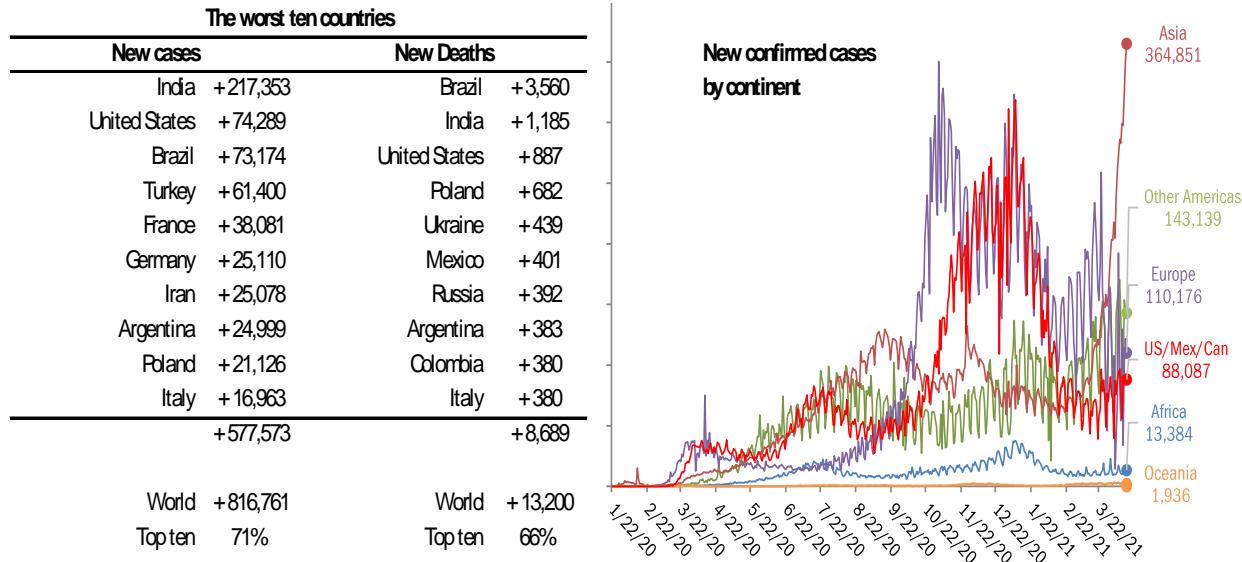


## Data Insights: Covid-2019 Monitor

Friday, April 16, 2021

### The global scorecard



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

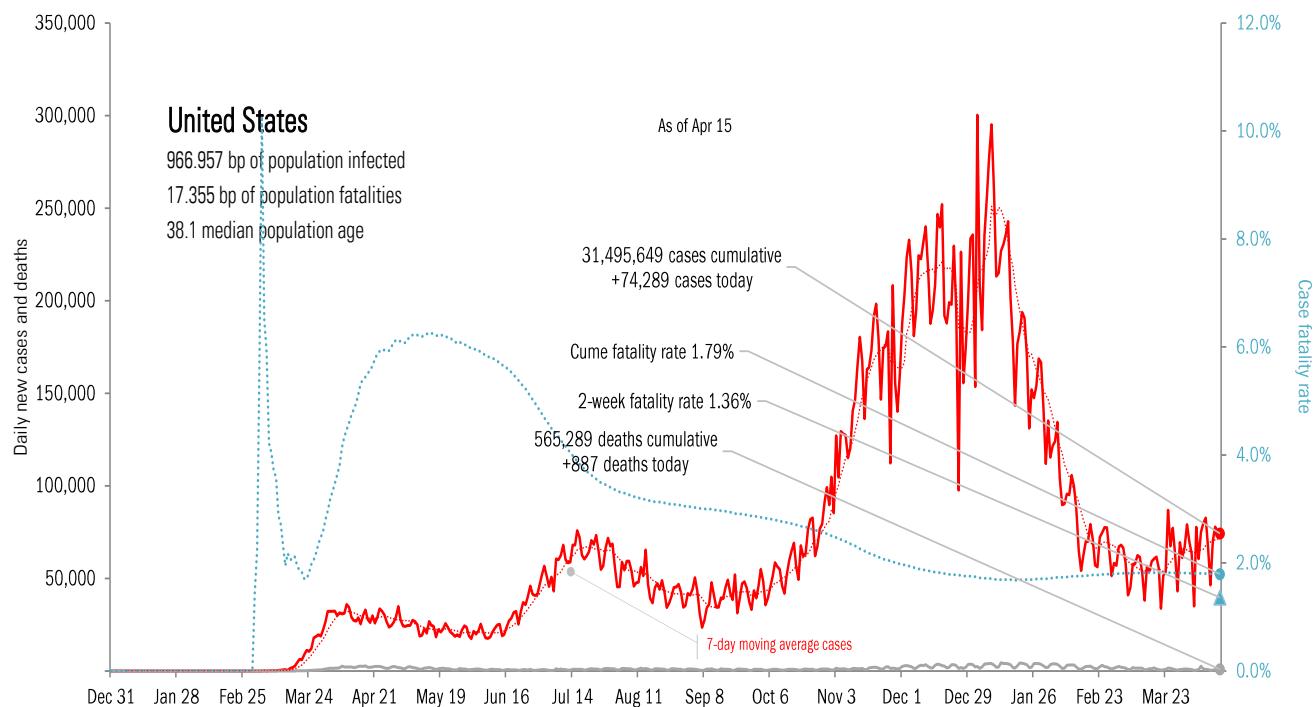
## The ten worst US states

New cases	New Deaths	New in hospital	Cumulative cases	Cumulative deaths	Cumulative in hospital	Hospital use	ICU use
MI +7,191	MI +123	PR +205	CA 3,711,723	CA 60,808	TX 230,397	RI 90%	MI 29%
NY +7,029	CA +91	MI +124	TX 2,843,929	NY 51,418	CA 225,627	MA 84%	MD 25%
FL +6,762	TX +82	GA +108	FL 2,148,448	TX 49,441	FL 157,459	MD 83%	RI 20%
PA +5,093	FL +74	IL +54	NY 1,980,337	FL 34,238	NY 120,811	PA 81%	NY 18%
NJ +3,958	NY +68	FL +38	IL 1,292,421	PA 25,546	GA 96,993	MO 81%	DC 18%
IL +3,577	GA +62	NJ +30	PA 1,095,321	NJ 25,053	CH 77,697	MI 80%	PA 16%
TX +3,060	NJ +47	ND +25	GA 1,079,979	IL 23,896	PA 77,625	CT 80%	MN 16%
CA +3,007	PA +44	MN +24	CH 1,048,109	GA 19,662	IL 70,990	MN 79%	NJ 14%
MN +2,729	NC +34	WA +21	NJ 967,442	CH 18,917	KY 69,597	FL 78%	TX 14%
NC +2,434	IL +31	CO +18	NC 941,218	MI 17,817	AZ 59,058	WV 78%	WV 13%
+44,840	+656	+647	17,108,927	326,796	1,186,254		
All states +74,289	+887	+776	All states 31,495,649	565,289	2,115,580	All states 70%	67%
Top ten 60%	74%	83%	Top ten 54%	58%	56%	Median 71%	10%

Some states not reporting

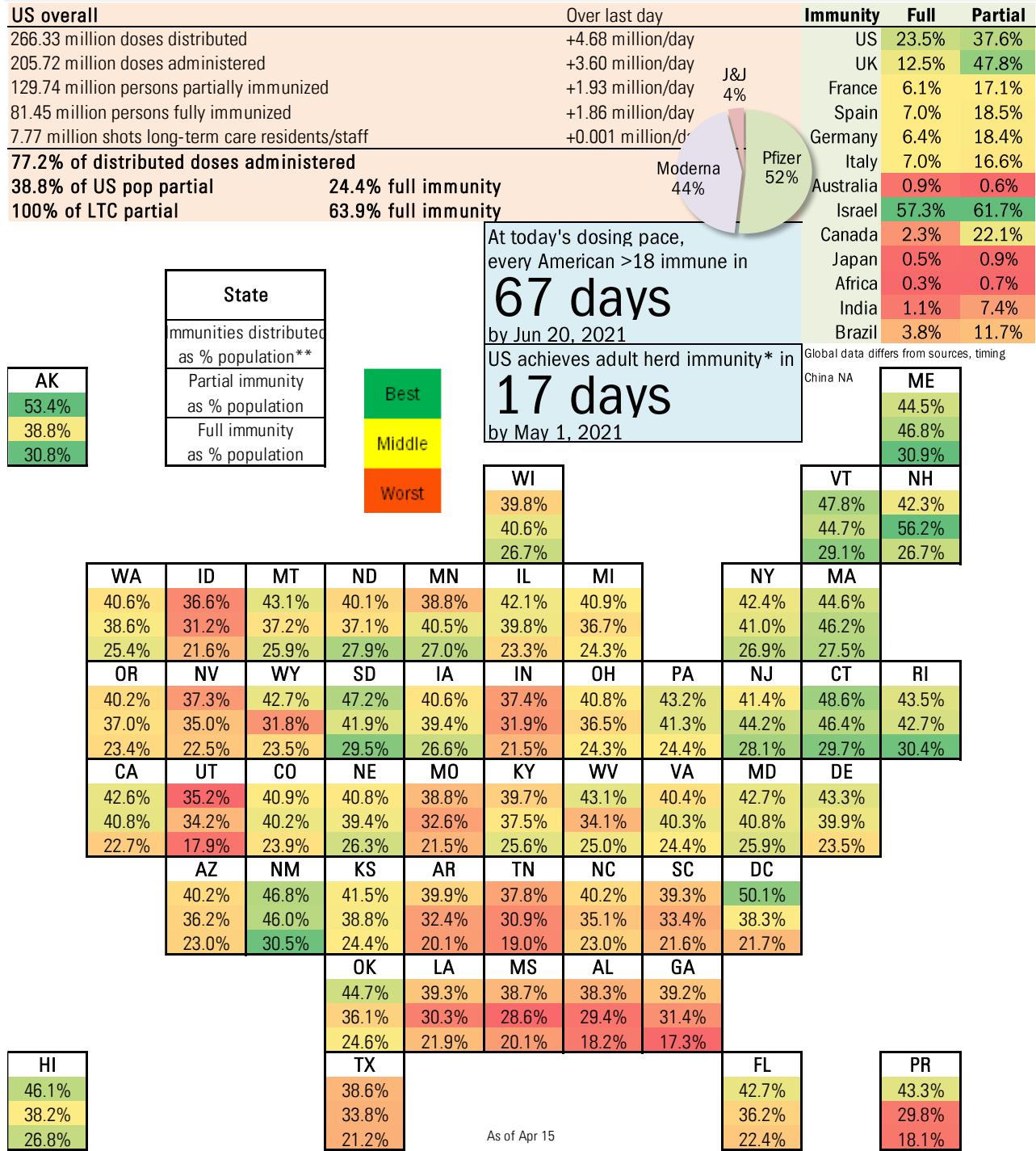
## Five most improved US states

Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
MI -2,158	CA -79	MI -93	NH +85 bp
PA -1,182	OK -28	MD -69	DC +75 bp
CT -907	NY -24	KY -68	ME +74 bp
CO -828	NE -21	CT -27	DE +73 bp
TX -649	MO -20	IN -26	MT +70 bp



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

# Rolling out the vaccines in the US and the world



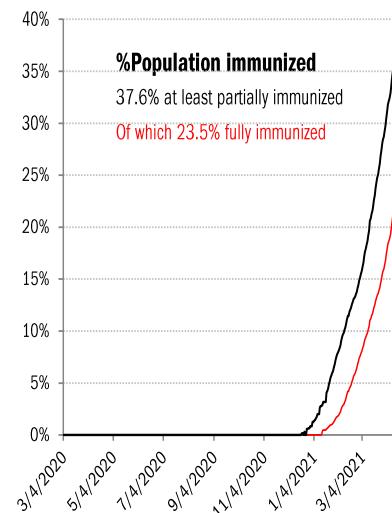
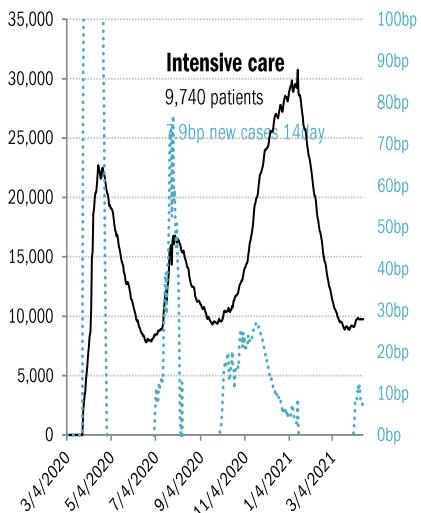
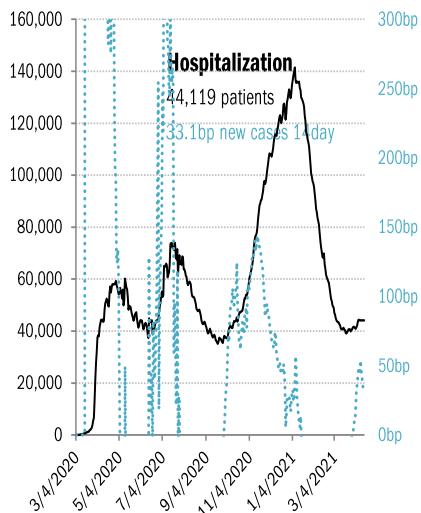
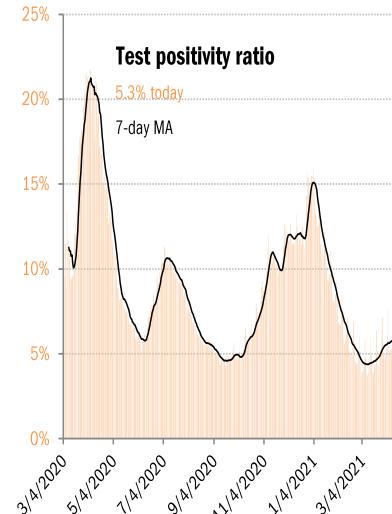
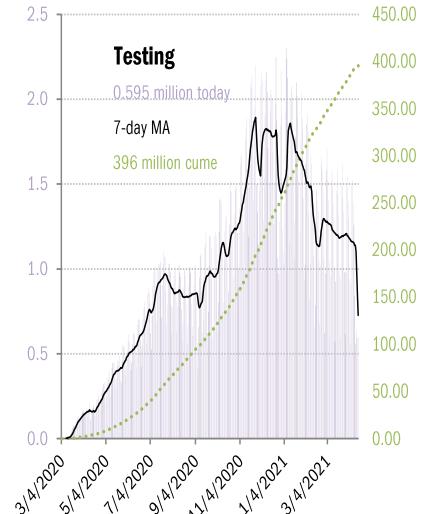
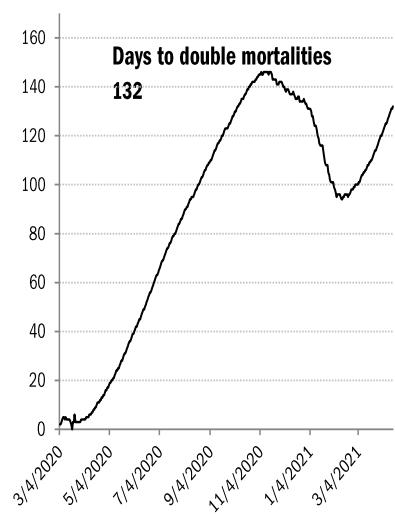
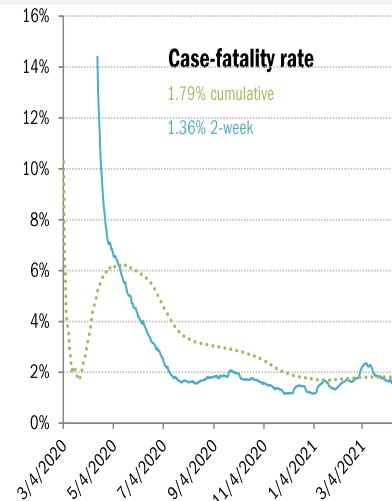
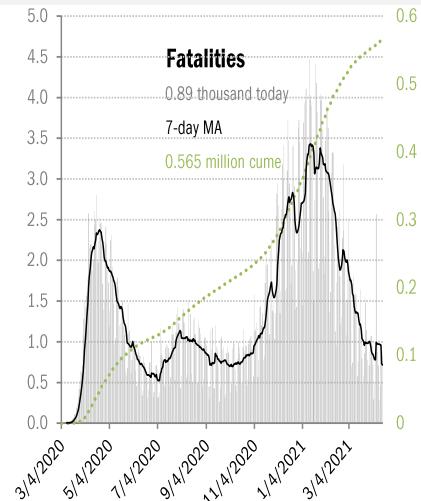
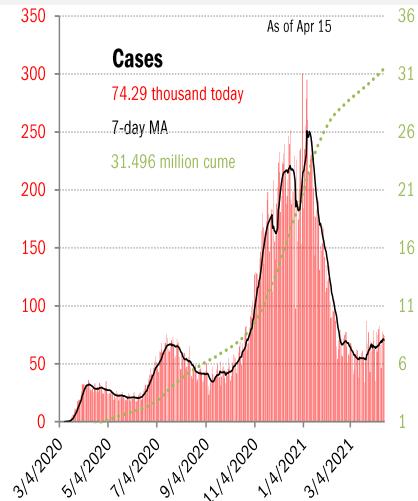
\* Adult herd immunity is 60% of population over 18 years either fully vaccinated or prior tested positive, no overlap

\*\* 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

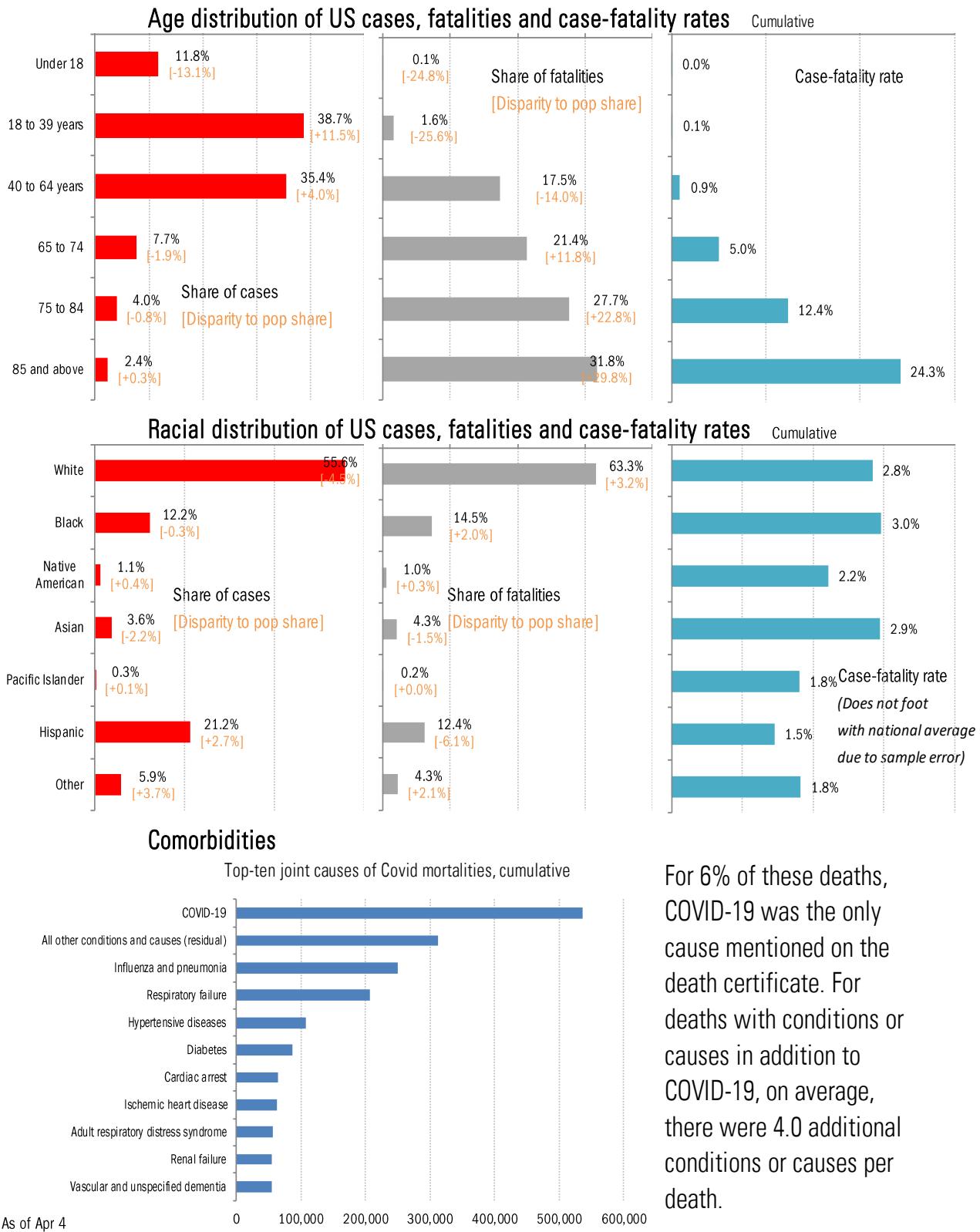
# US deep-dive

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



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

# US deep-dive on the demographics of age, race and health



Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

## Recommended reading

[Jim Jordan's Nuclear 'Rant' Against Dr. Fauci Speaks for Americans Fed Up with Violations of Their Liberty](#)

yle Becker  
*Becker News*  
April 15, 2021

[Can the Covid Vaccine Protect Me Against Virus Variants?](#)

Tara Parker-Pope  
*New York Times*  
April 15, 2021

[I'm a Virus Expert Who Got the J & J Vaccine. I'm Not Losing Sleep.](#)

Angela L. Rasmussen  
*New York Times*  
April 15, 2021

[Czech Republic: Obesity is big factor in fight against COVID-19](#)

Luboš Palata  
*Deutsche Welle*  
April 14, 2021

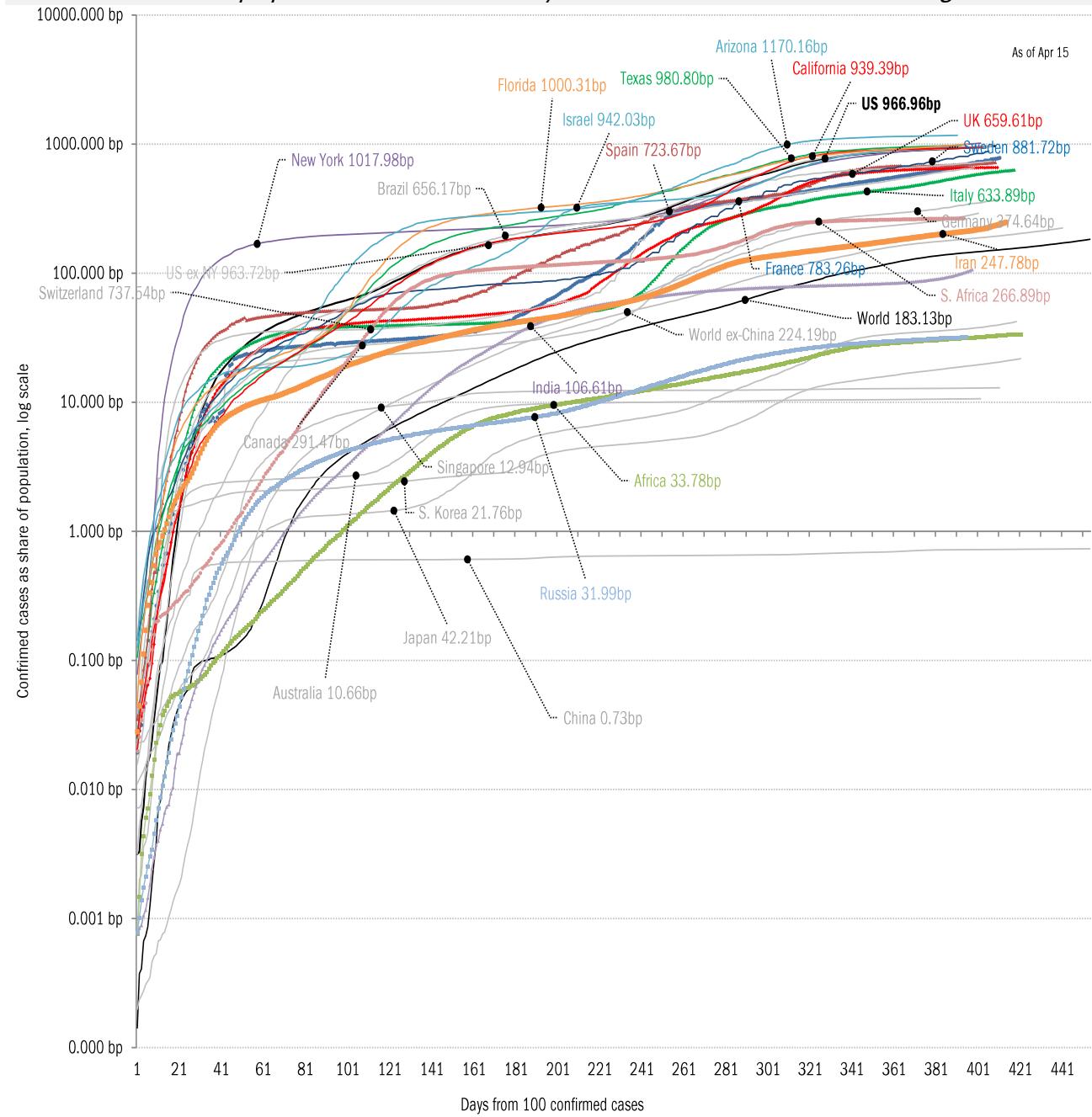
## Meme of the day



**Vaccine Recalled After Two People Who Took It Fell Down A Manhole And Died**

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

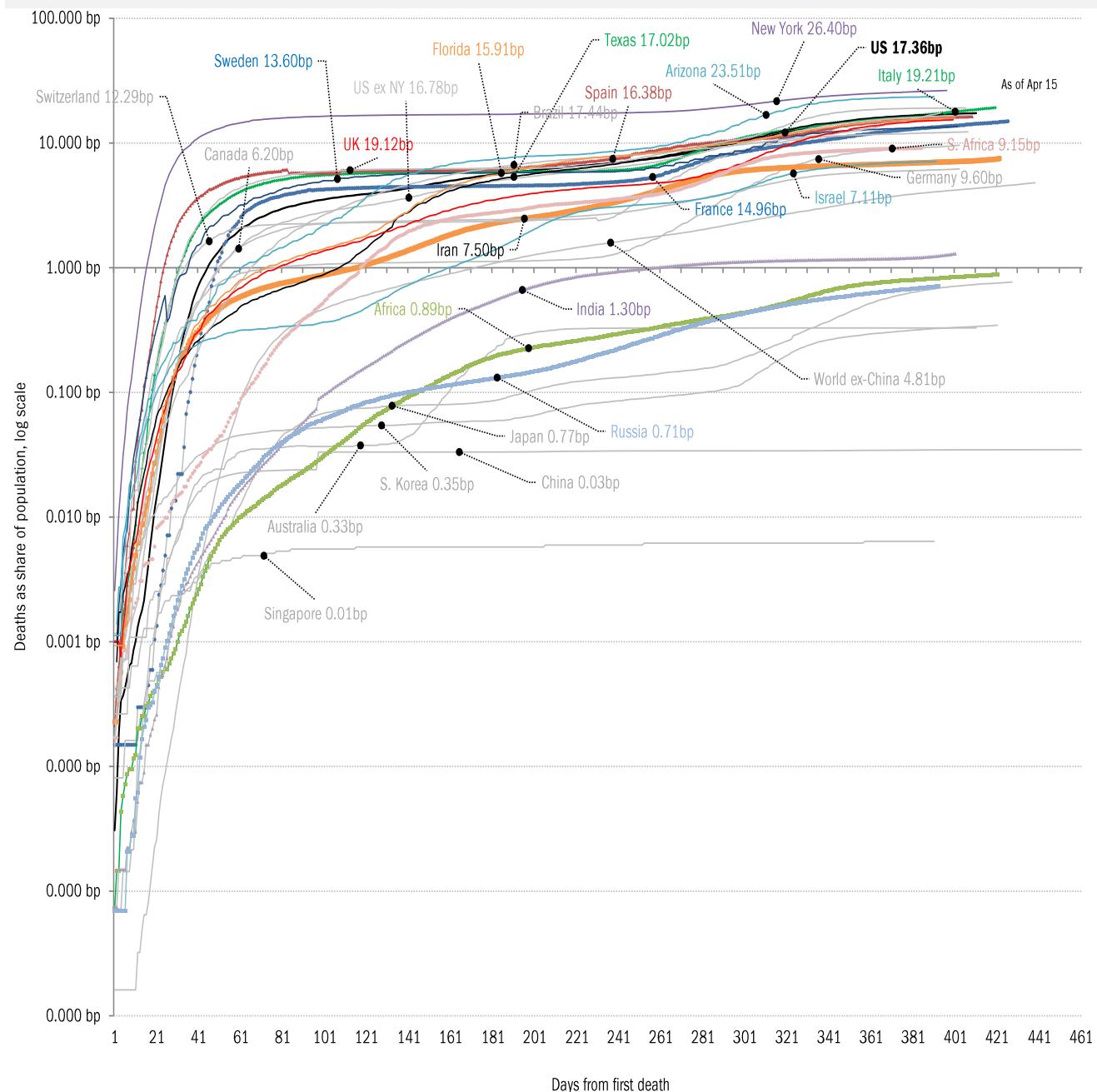
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

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

## *Share of deceased population from day of first fatality*

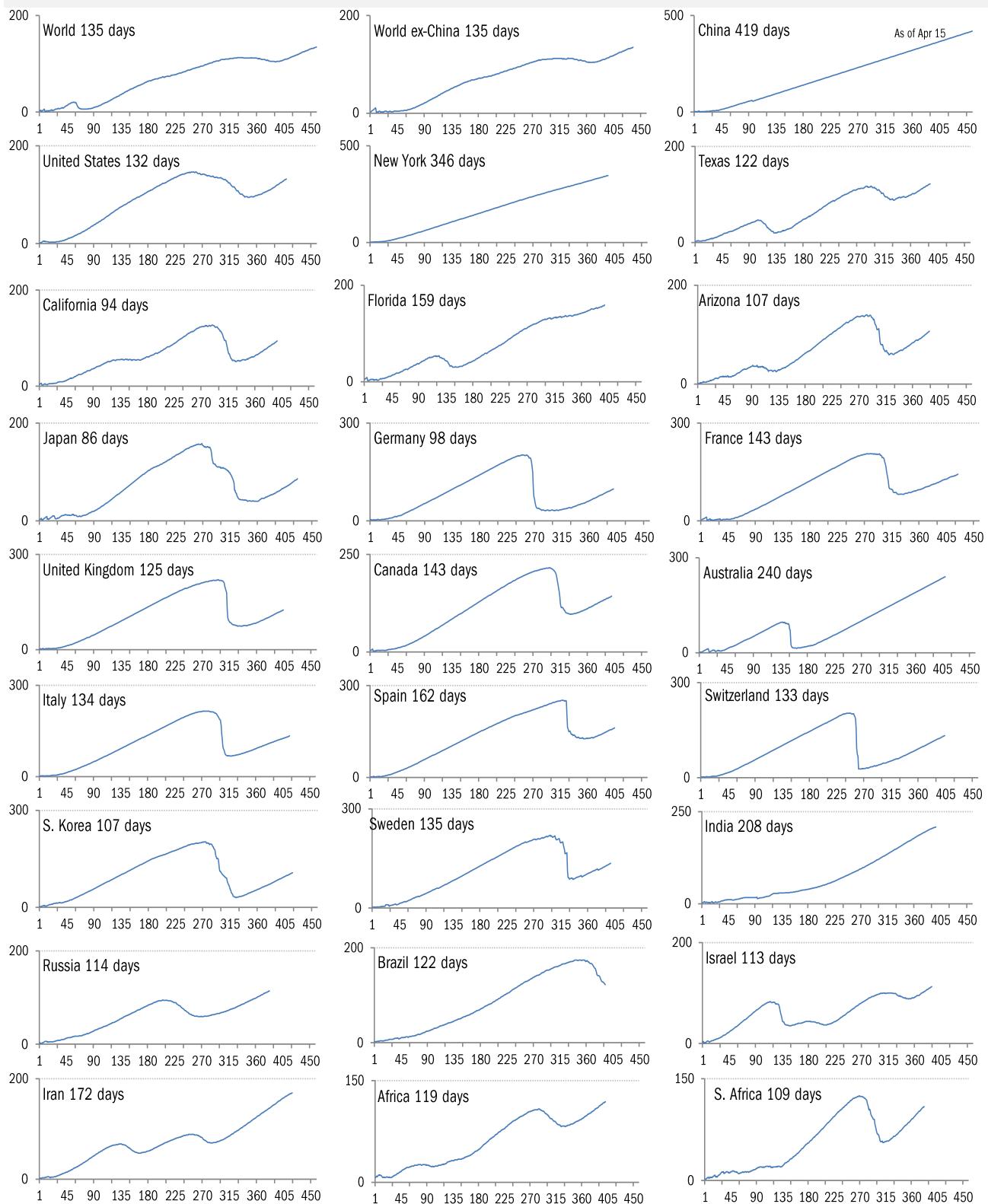


Source: [Johns Hopkins](#), TrendMacro calculations

# "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

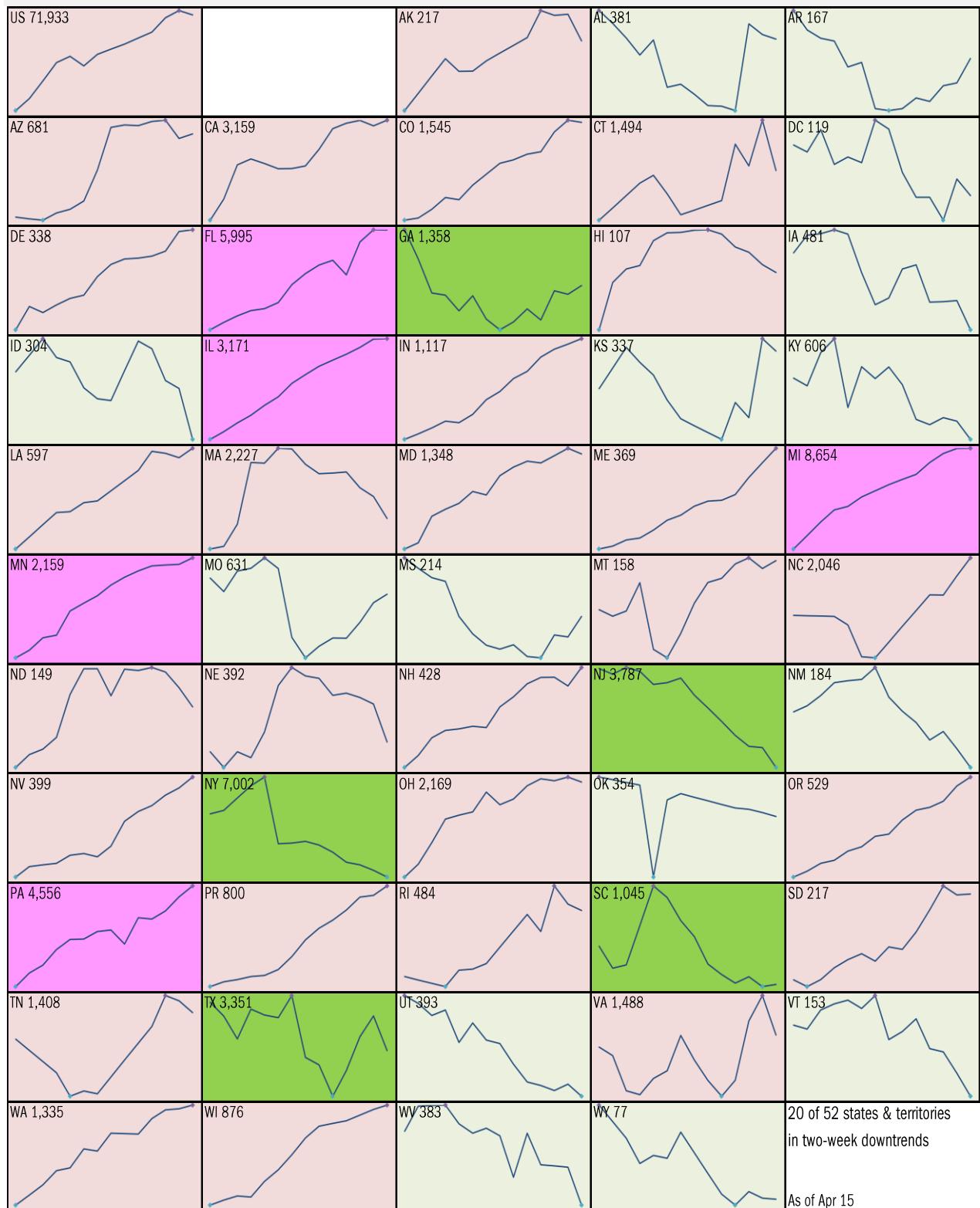


Source: [Johns Hopkins](#), TrendMacro calculations

## Requirement to [Open Up America Again](#): 14-day “downward trajectory” in new cases

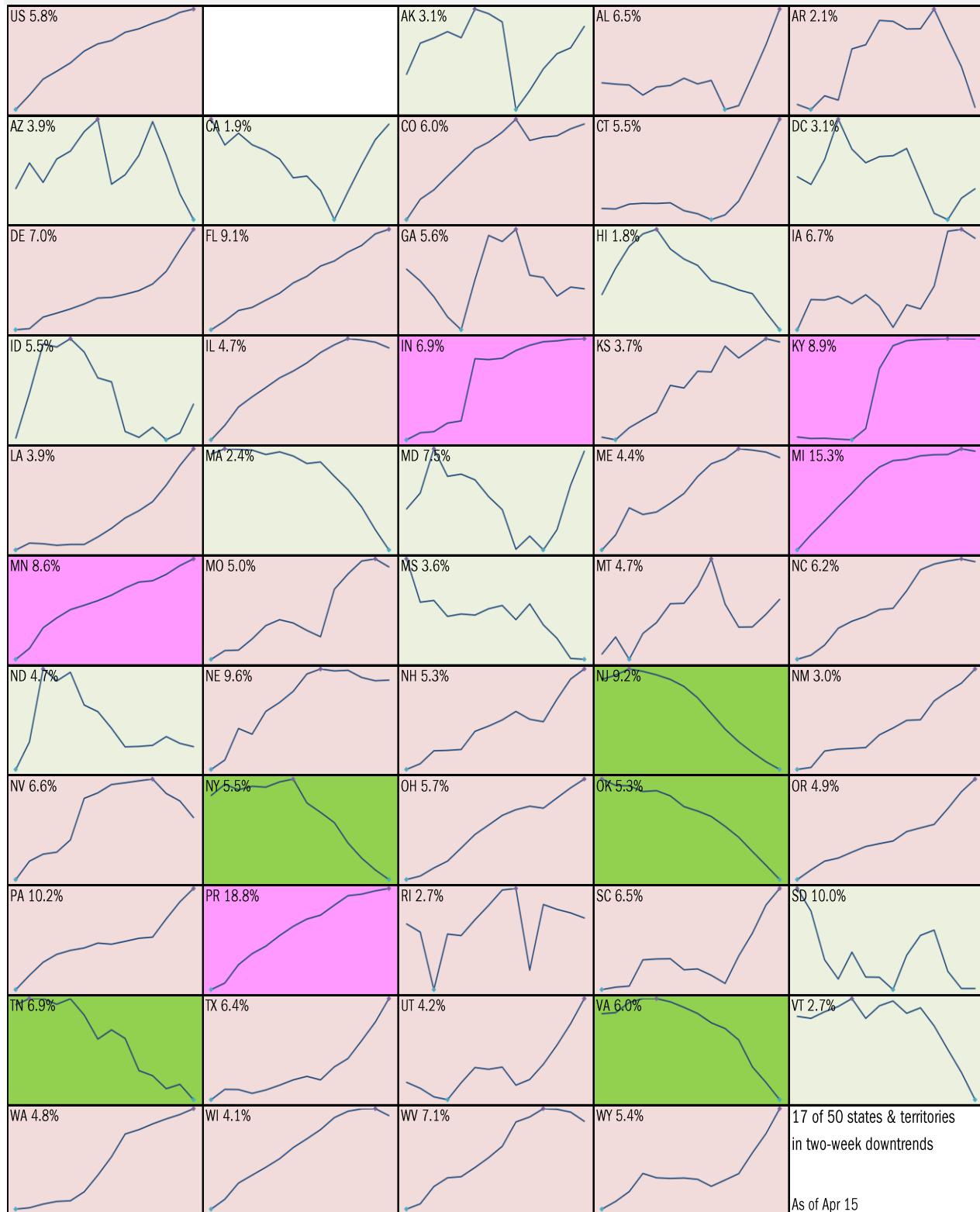
14-day moving average, last 14 days Most recent value displayed • High ● Low

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



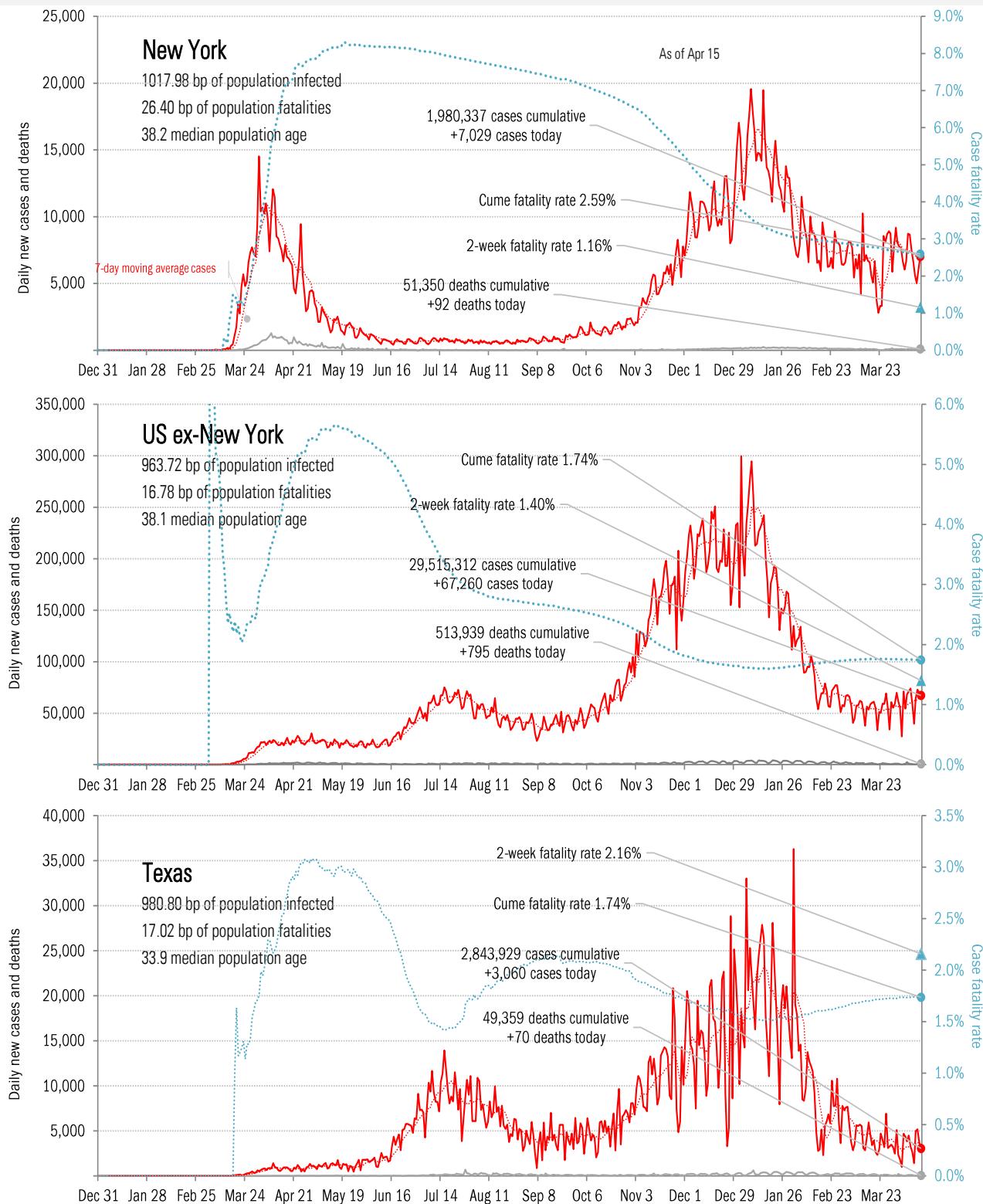
Source: [Johns Hopkins](#), TrendMacro calculations

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



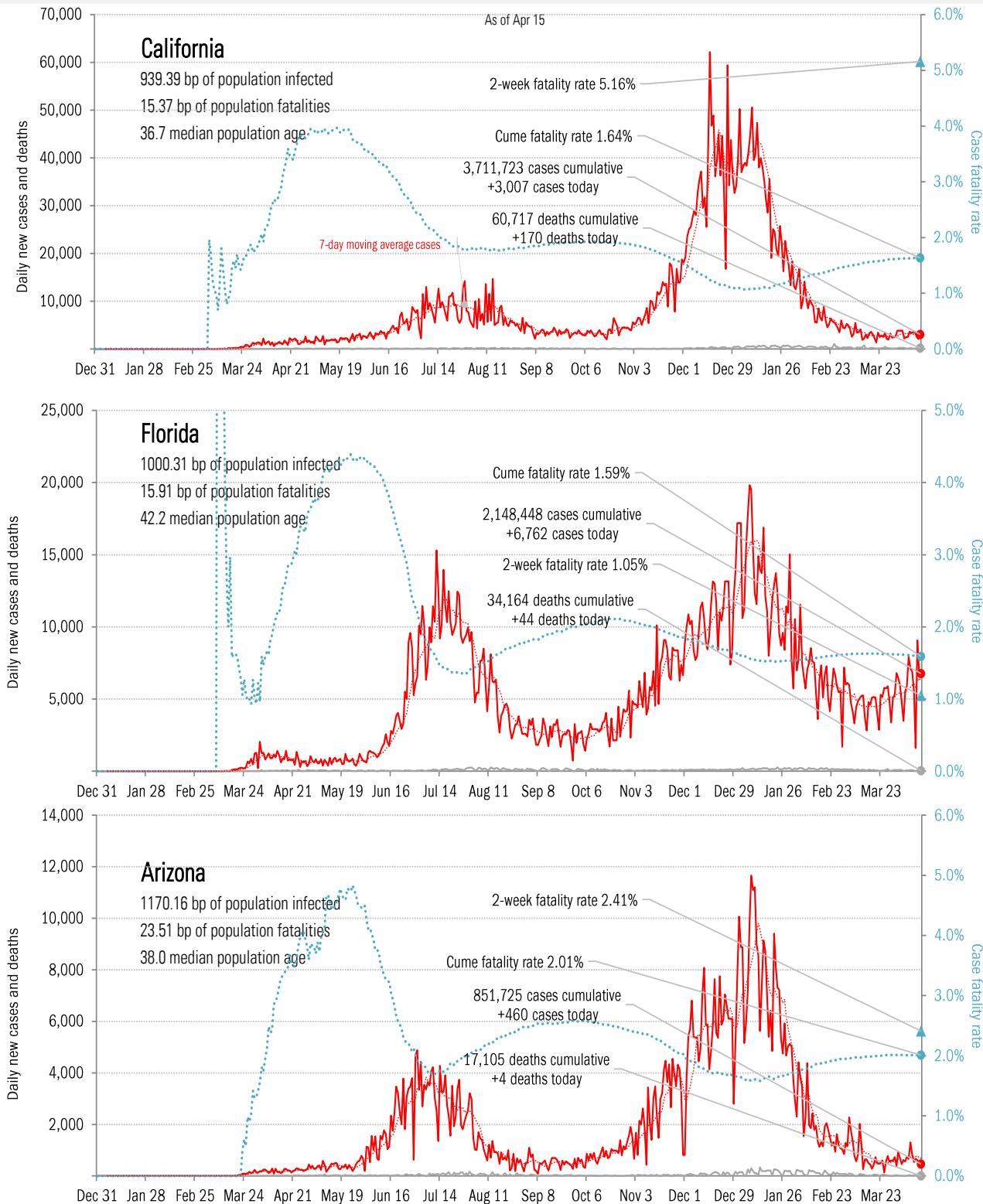
Source: [Covid Act Now](#), TrendMacro calculations

## From Ground Zero to the Rio Grande



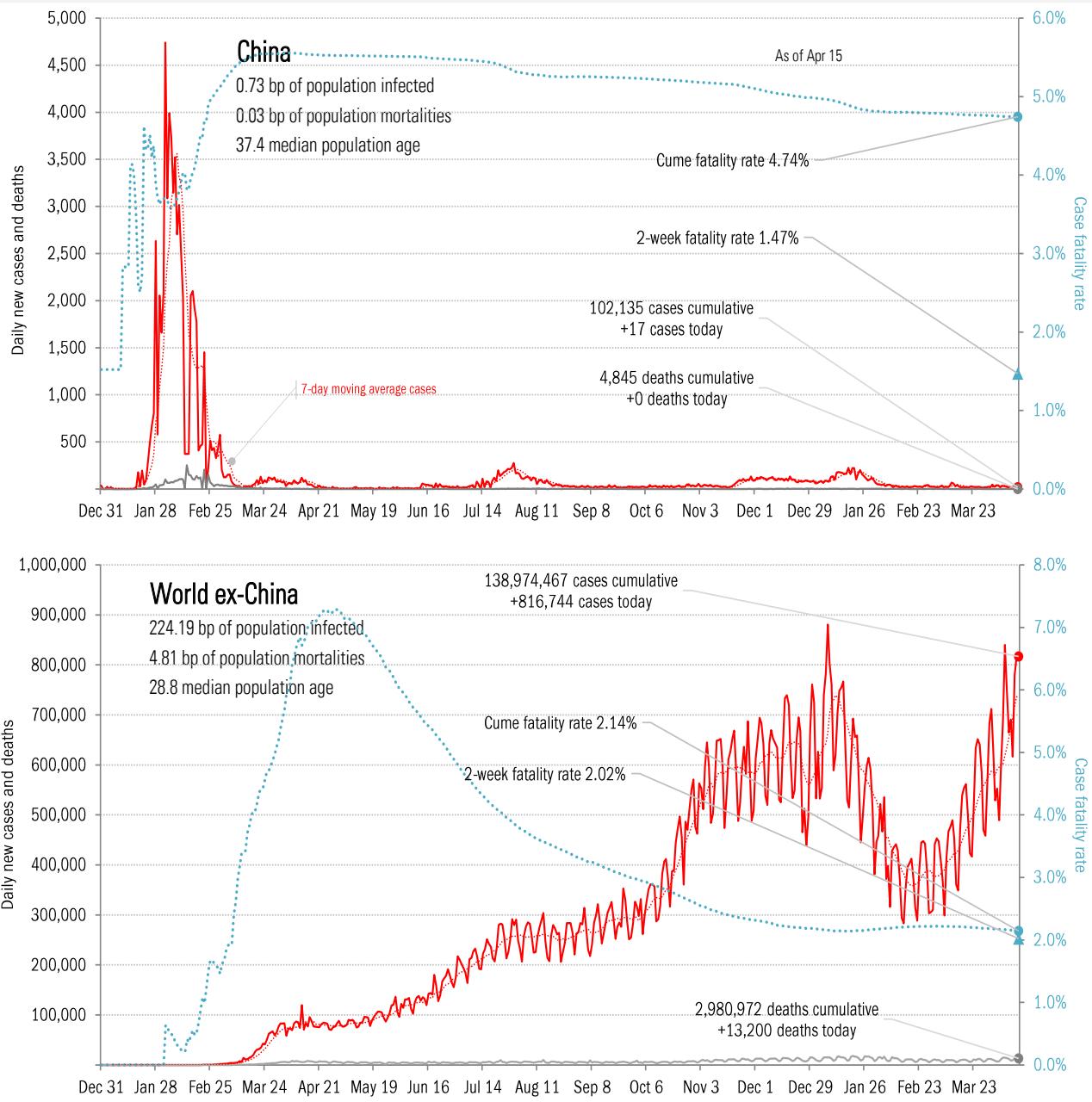
Source: [Johns Hopkins](#), TrendMacro calculations

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



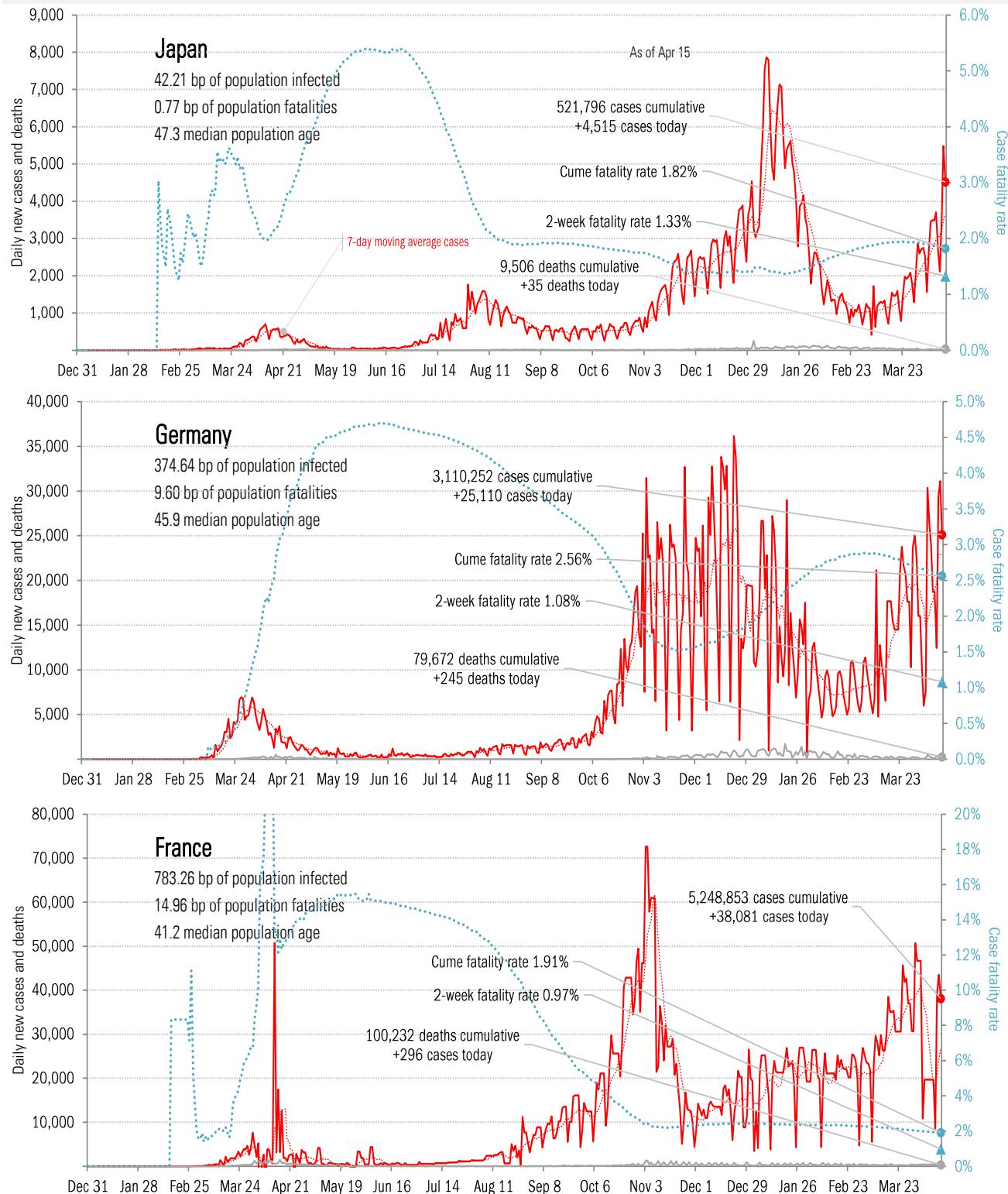
Source: [Johns Hopkins](#), TrendMacro calculations

## Patient zero... and then everyone else



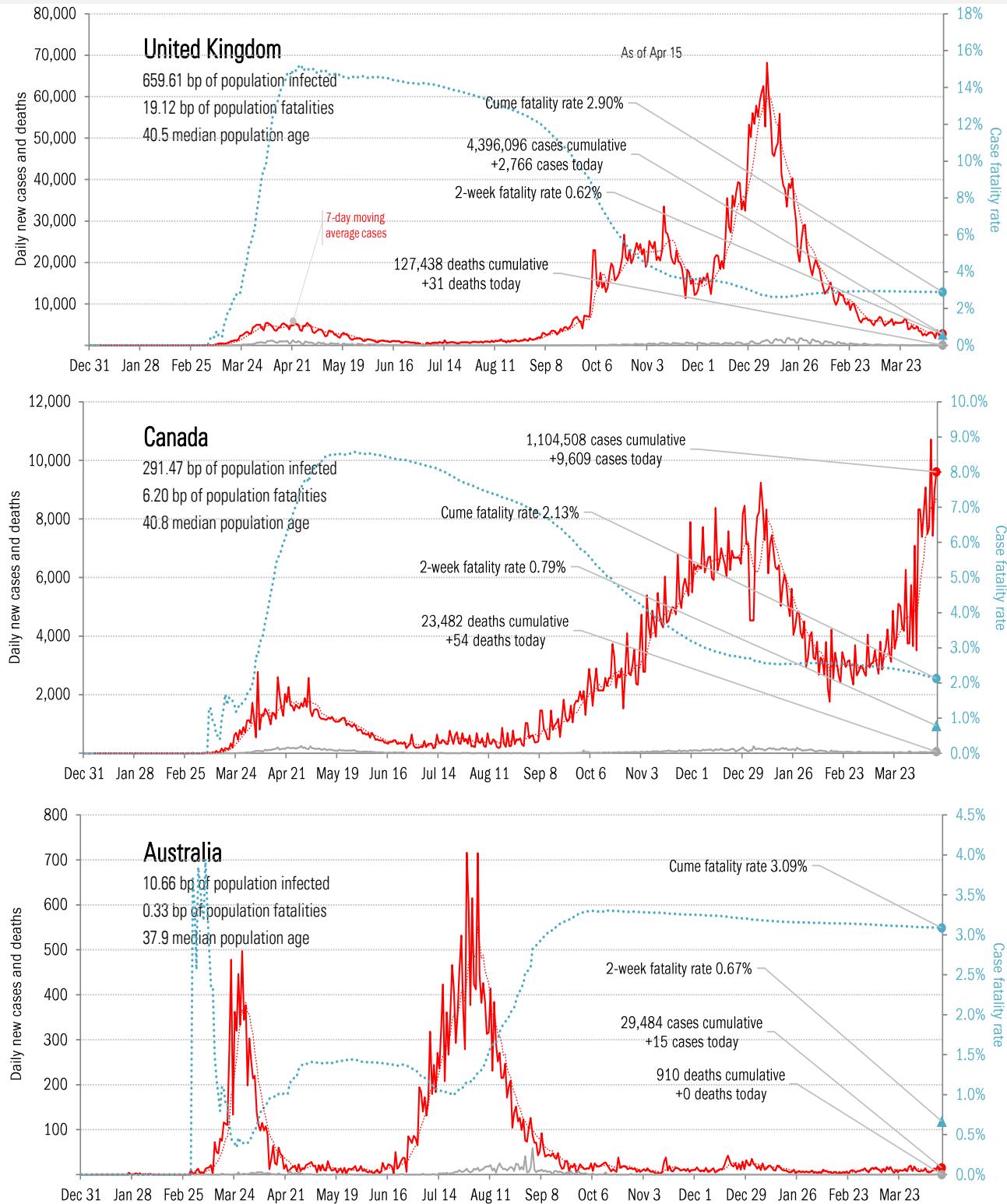
Source: [Johns Hopkins](#), TrendMacro calculations

## Impact in the largest economies



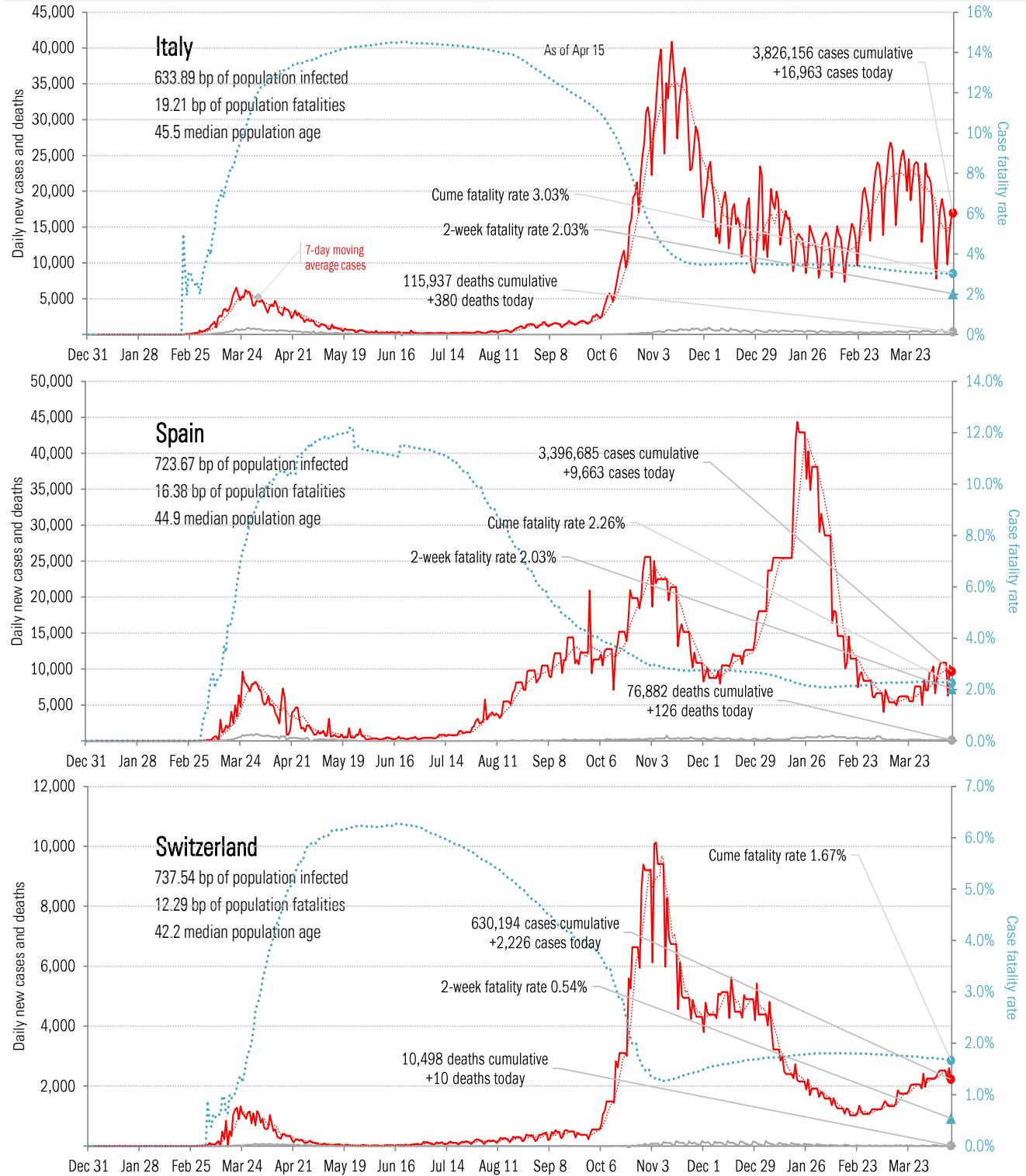
Source: [Johns Hopkins](#), TrendMacro calculations

## Impact in The Anglosphere



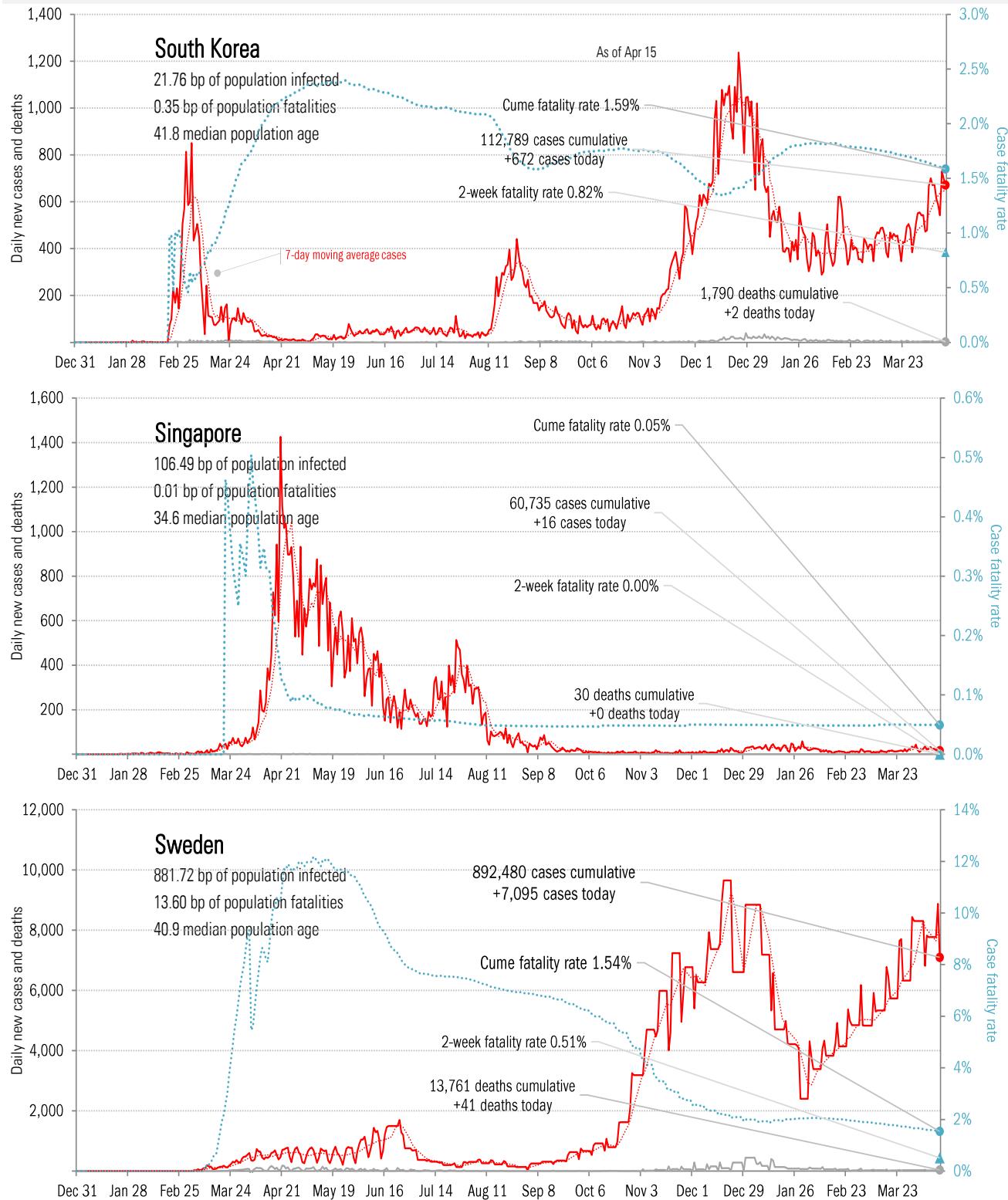
Source: [Johns Hopkins](#), TrendMacro calculations

## Impact in continental Europe



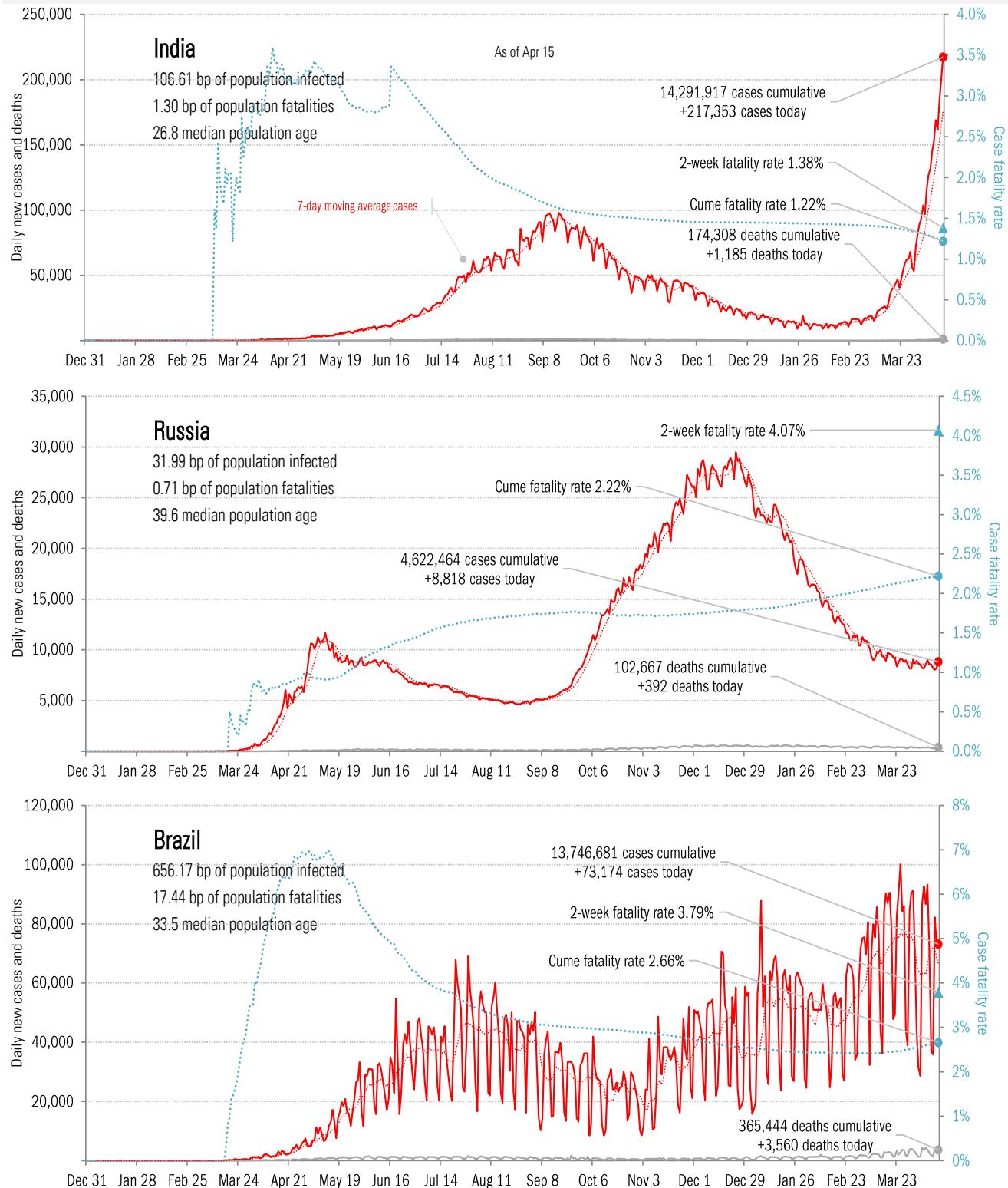
Source: [Johns Hopkins](#), TrendMacro calculations

## Impact in other hot-spots



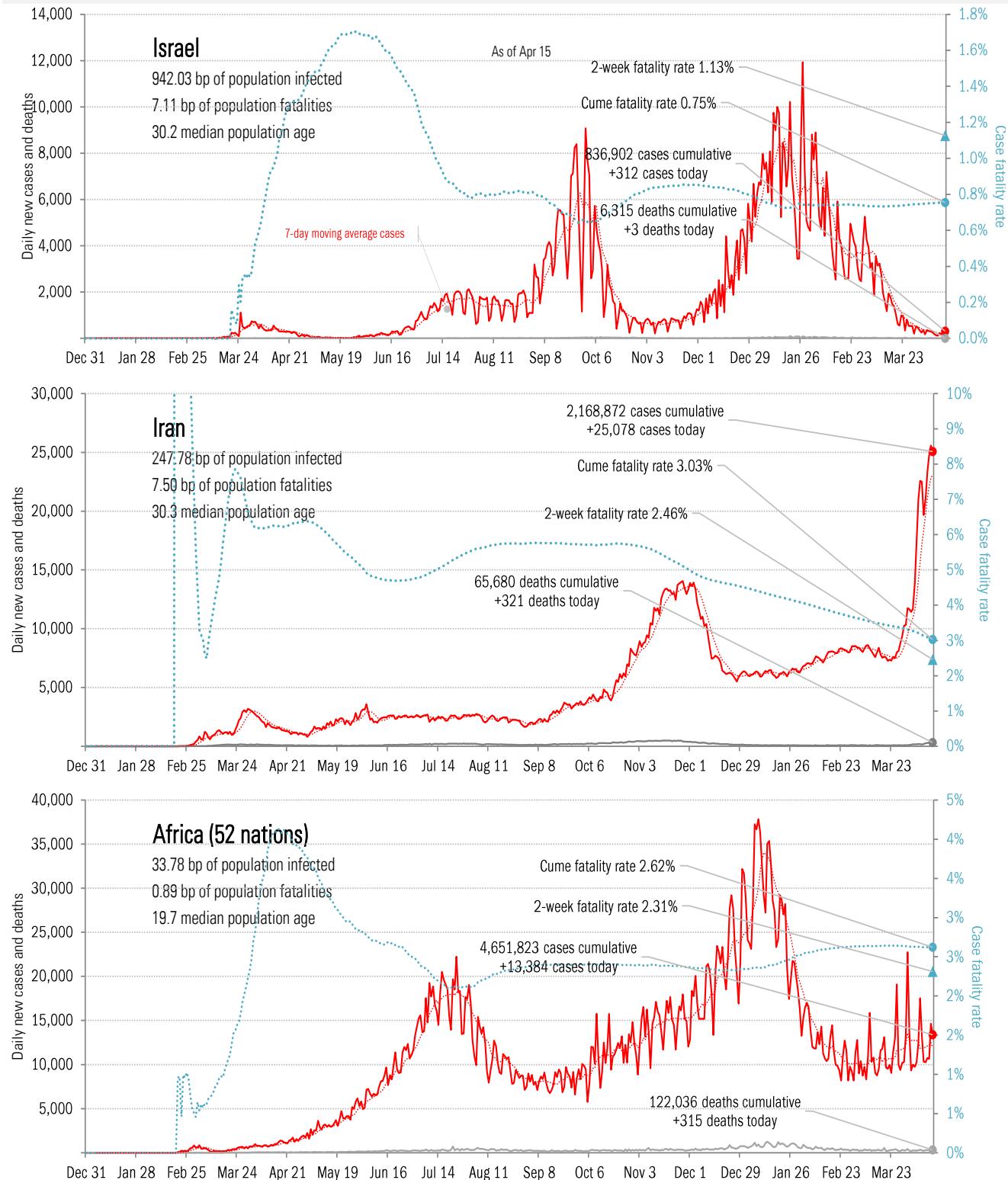
Source: [Johns Hopkins](#), TrendMacro calculations

## Impact in the BRICs ex-China



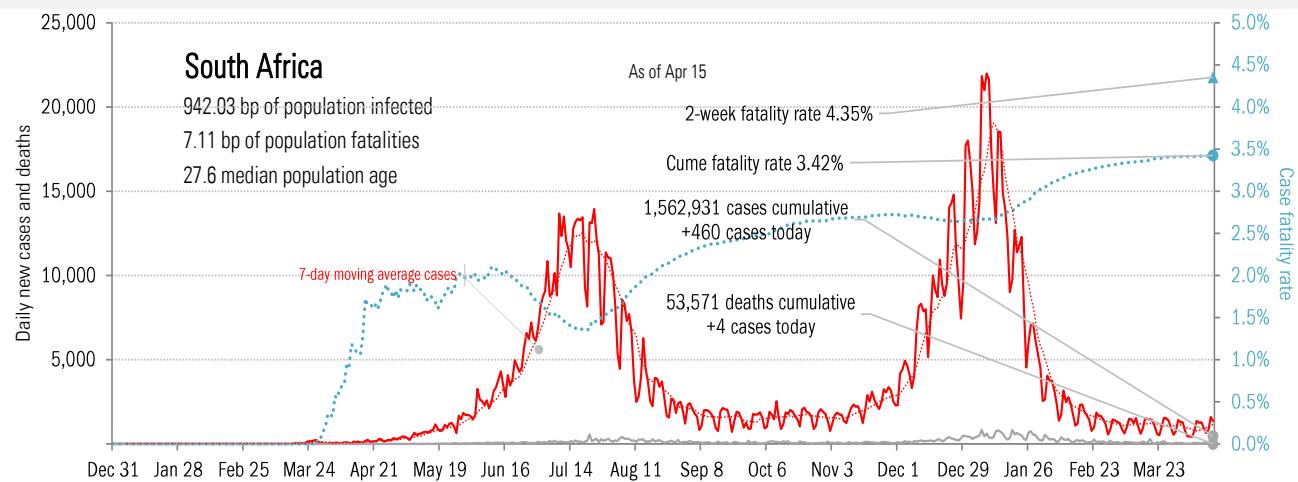
Source: [Johns Hopkins](#), TrendMacro calculations

## Impact in the Middle East and Africa



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

## Impact in Africa, continued



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