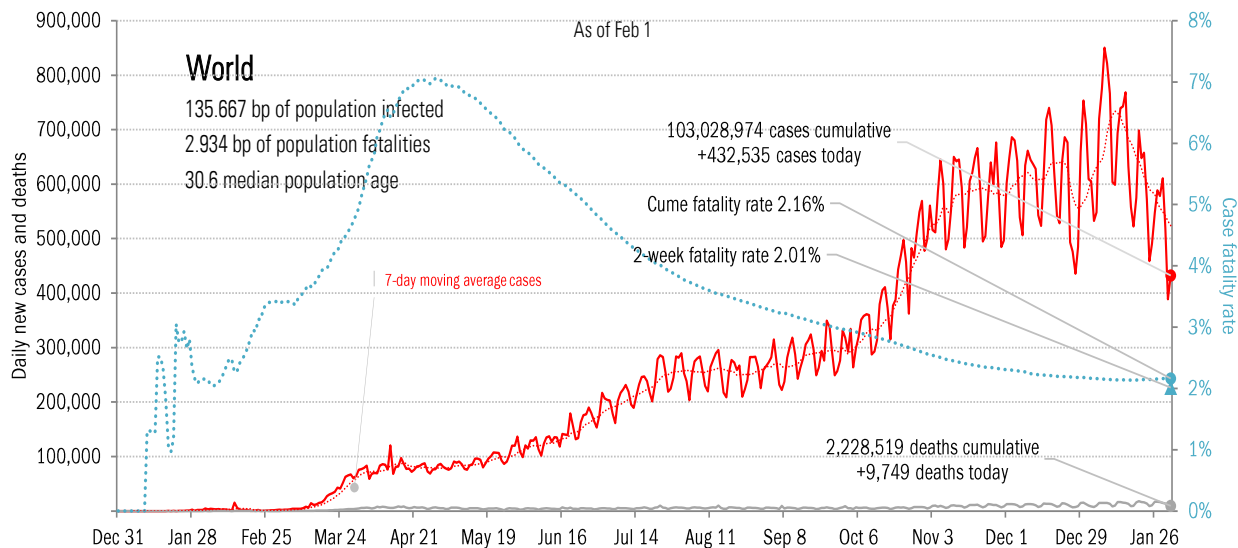
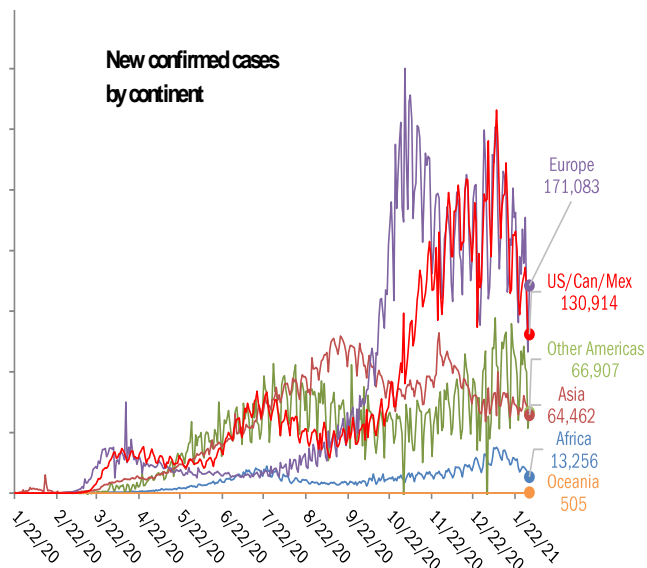


## Data Insights: Covid-2019 Monitor

Tuesday, February 2, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+119,747	United States	+1,562
Spain	+79,686	Germany	+896
Brazil	+24,591	Spain	+762
United Kingdom	+18,668	Brazil	+595
Russia	+17,391	Mexico	+564
Indonesia	+10,994	France	+456
Colombia	+9,622	Russia	+427
Israel	+8,811	United Kingdom	+407
India	+8,635	Italy	+329
Italy	+7,925	Colombia	+289
<b>+306,070</b>		<b>+6,287</b>	
World	+432,535	World	+9,749
Top ten	71%	Top ten	64%



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

#### For more information contact us:

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# The US scorecard

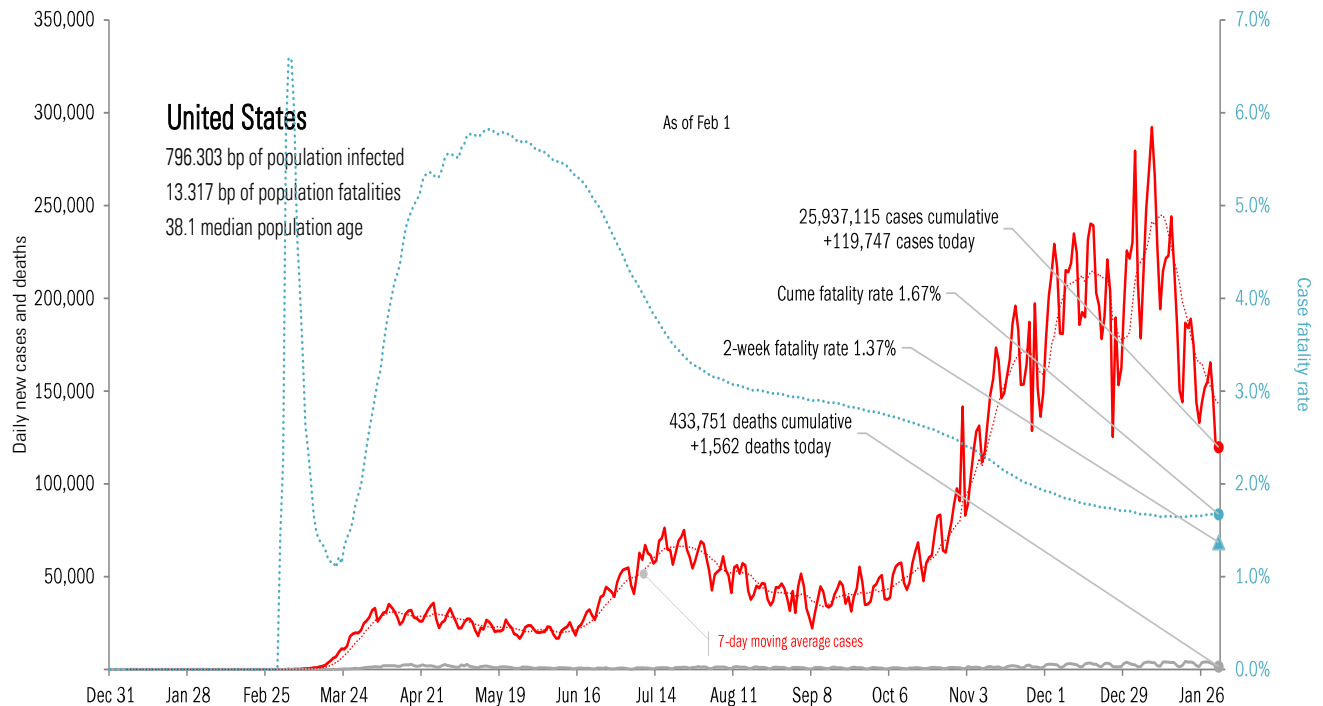
## The ten worst US states

New cases			New Deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
TX	+31,811		SC	+241		CH	+80		CA	3,258,706		CA	40,908		NY	89,995		RI	104%	GA	89%
CA	+15,358		FL	+214		FL	+41		TX	2,392,443		TX	36,539		FL	73,551		GA	80%	CA	88%
NY	+8,508		CA	+211		NY	+27		FL	1,695,300		NY	35,319		NJ	60,621		CT	80%	RI	88%
FL	+5,600		NY	+141		WI	+17		NY	1,419,164		FL	27,129		AZ	52,986		CA	79%	DE	88%
CT	+3,931		TN	+103		IA	+10		IL	1,128,613		PA	21,687		GA	50,323		MA	79%	AL	87%
NC	+3,776		CT	+73		IN	+10		OH	899,079		NJ	21,513		CH	46,438		SC	78%	OK	85%
AZ	+3,741		OH	+55		MT	+7		PA	846,078		IL	21,273		AL	41,859		MD	78%	TX	83%
NJ	+3,517		LA	+53		DE	+6		AZ	762,145		MI	15,536		IN	40,437		FL	77%	FL	83%
CH	+3,287		TX	+48		NV	+5		NC	761,302		MA	14,607		MD	32,181		MO	76%	NC	82%
VA	+2,861		GA	+44		AL	+4		GA	752,448		GA	14,242		MN	24,352		DC	76%	MS	81%
<b>+82,390</b>			<b>+1,183</b>			<b>+207</b>			<b>13,915,278</b>			<b>248,753</b>			<b>512,743</b>						
All states	+119,747			+1,562			-1477		All states	25,937,115			433,751			808,718		All states	71%		74%
Top ten	69%			76%			-14%		Top ten	54%			57%			63%		Median	68%		72%

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CA	-3,616	CA	-270	CA	-199	NC	+48,154
AL	-2,836	IA	-245	KS	-169	TX	+27,079
LA	-2,385	TX	-123	MO	-130	CH	+6,361
NY	-2,285	AL	-122	CT	-73	PA	+5,608
FL	-2,004	NC	-41	MI	-70	IN	+2,205

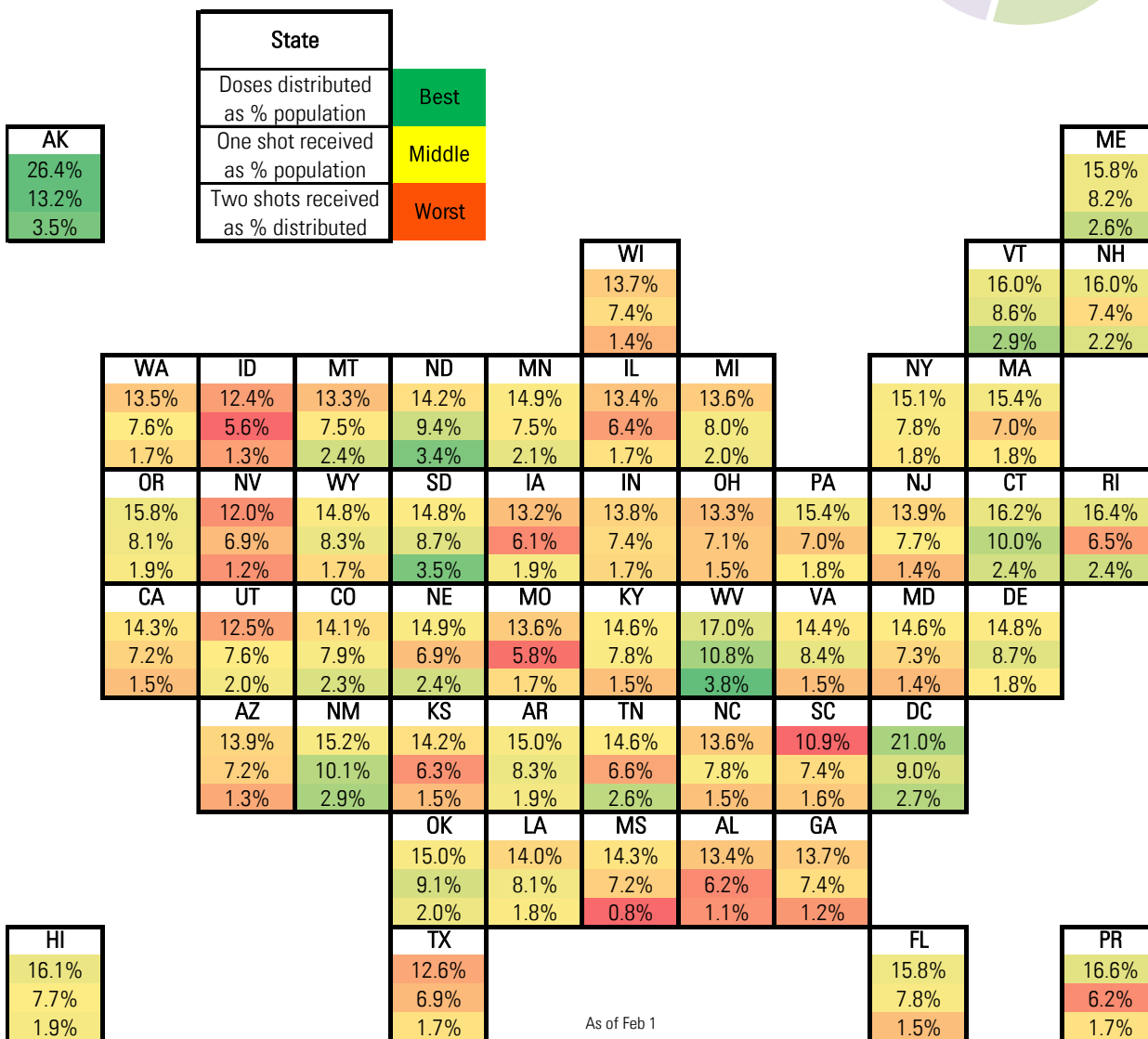
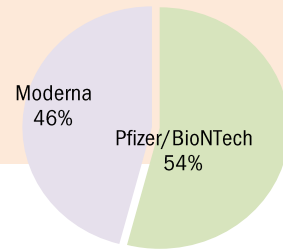


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US

US overall	Over last day
49.94 million doses distributed	+0.00 million/day
32.22 million doses administered	+1.10 million/day
26.02 million persons with one or more shot	+0.82 million/day
5.93 million persons with two or more shots	+0.27 million/day
3.75 million shots in long-term care	+0.07 million/day

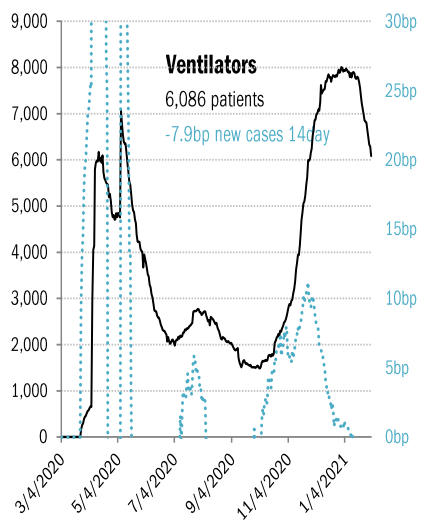
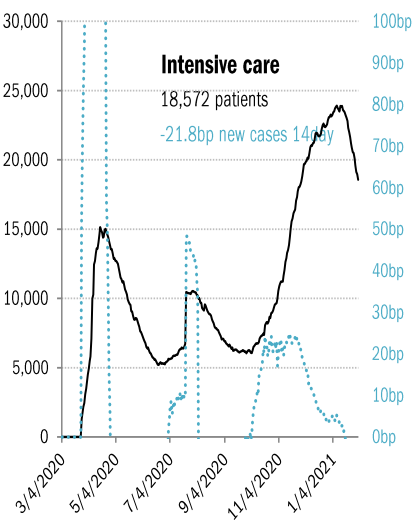
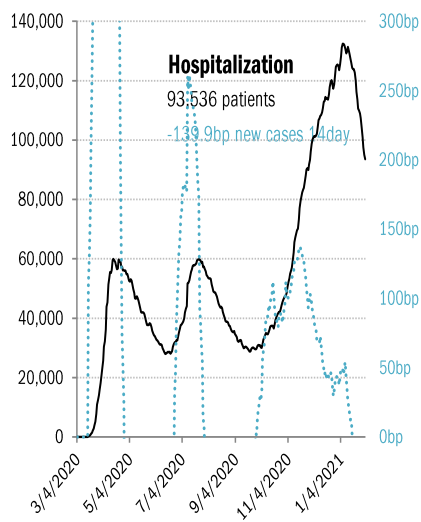
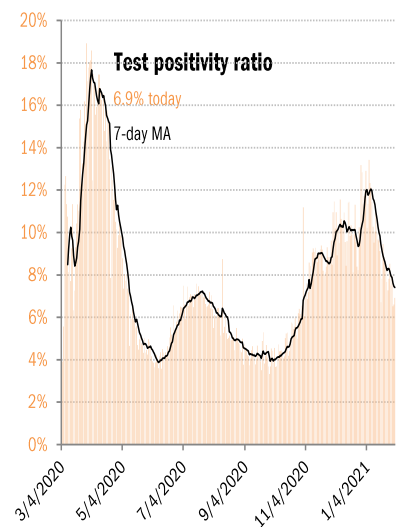
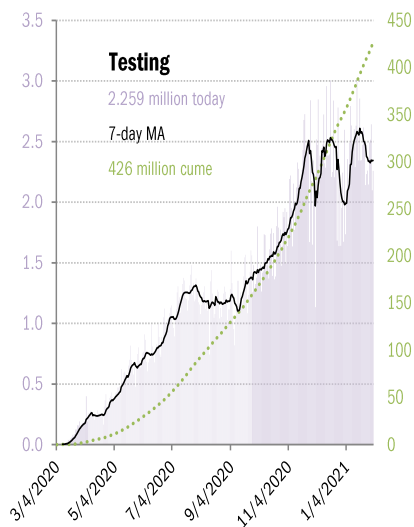
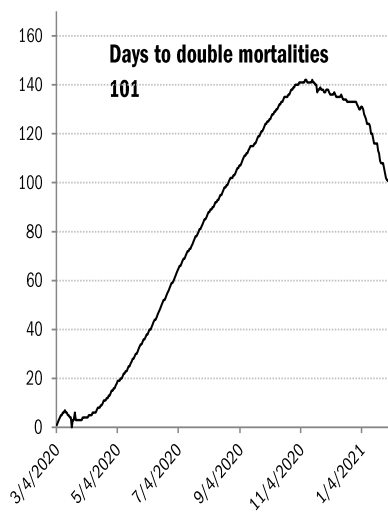
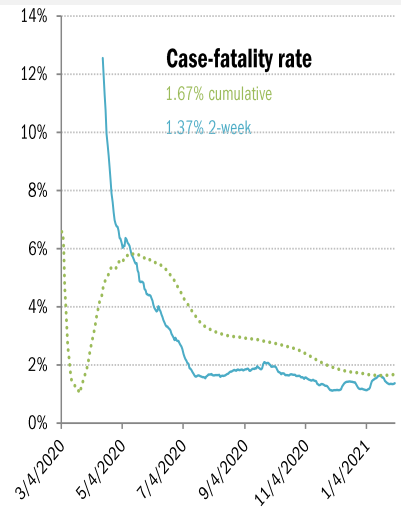
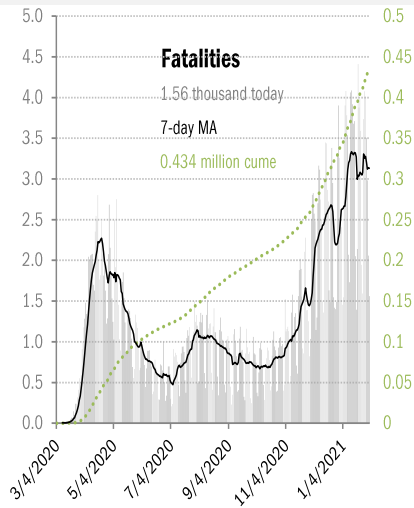
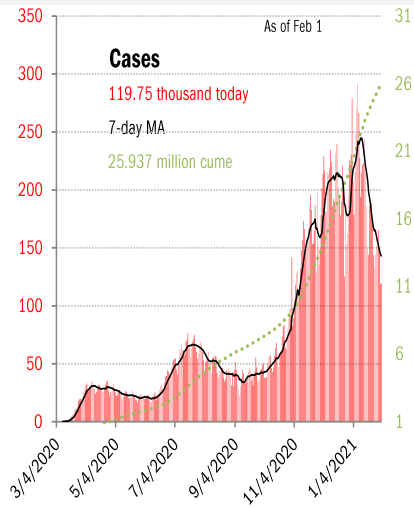
**64.5% of distributed doses administered**  
**9.8% of US population vaccinated**  
 7.9% of US population 1 shot      1.8% 2 shots  
**83.7% of US LTC resident/staff vaccinated**  
 70.1% of LTC resident/staff 1 shot      13.3% 2 shots



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

# US deep-dive

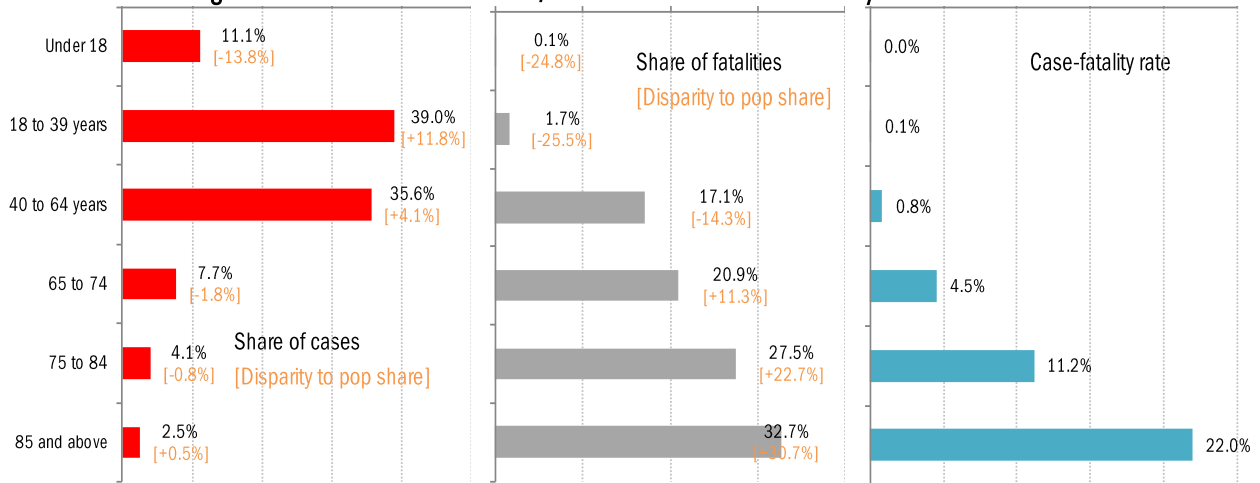
National and state-by-state data do not line up because of different sources



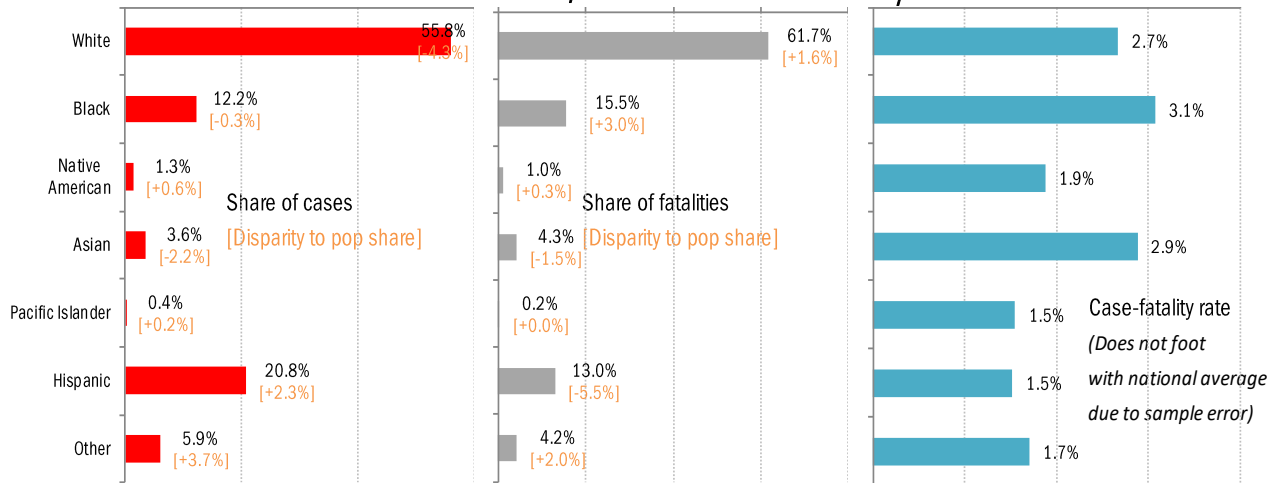
Source: [Covid Tracking Project](#), TrendMacro calculations

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

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

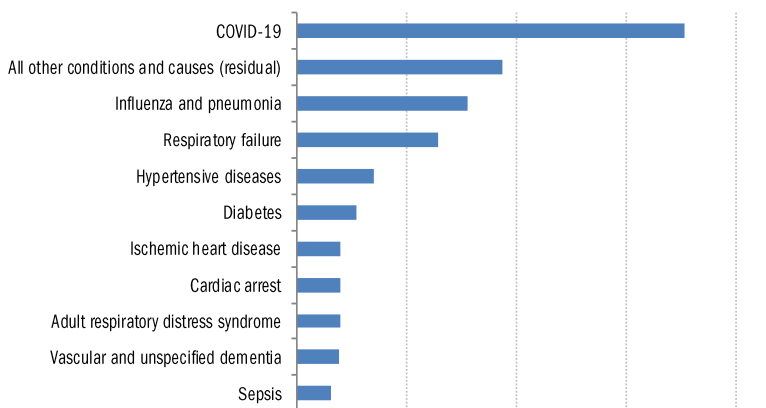


## Racial distribution of US cases, fatalities and case-fatality rates



## Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jan 24

For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 2.9 additional conditions or causes per death.

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

## Recommended reading

### [9 Top N.Y. Health Officials Have Quit as Cuomo Scorns Expertise](#)

J. David Goodman, Joseph Goldstein and Jesse McKinley  
*New York Times*  
February 1, 2021

### [Why Operation Warp Speed Worked](#)

Arthur Herman  
*Wall Street Journal*  
February 1, 2021

### [Australia Puts Perth In Lockdown Over One Covid Case](#)

Isabella Kwai  
*New York Times*  
January 31, 2021

### [COVID-19 lockdowns are not worth the toll on our mental health](#)

Christine Mathews  
*Seattle Times*  
January 29, 2021

### [Phylogenetic evidence that B.1.1.7 has been circulating in the United States since early- to mid-November](#)

Brendan B. Larsen et al.  
*Virological*  
January 18, 2021

### [Larry Kudlow joins Fox News Media as analyst, will host FOX Business Network show](#)

Brian Flood  
*Fox News*  
February 1, 2021

### [Adverse Effects Of Messenger RNA Vaccines](#)

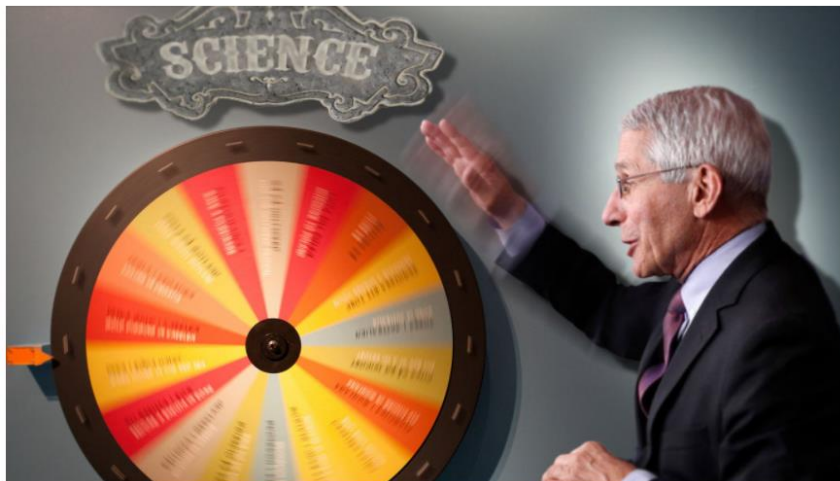
Nikhil K. Mull et al.  
*Penn Medicine Center for Evidence-based Practice*  
December, 2020

## Meme of day

Health

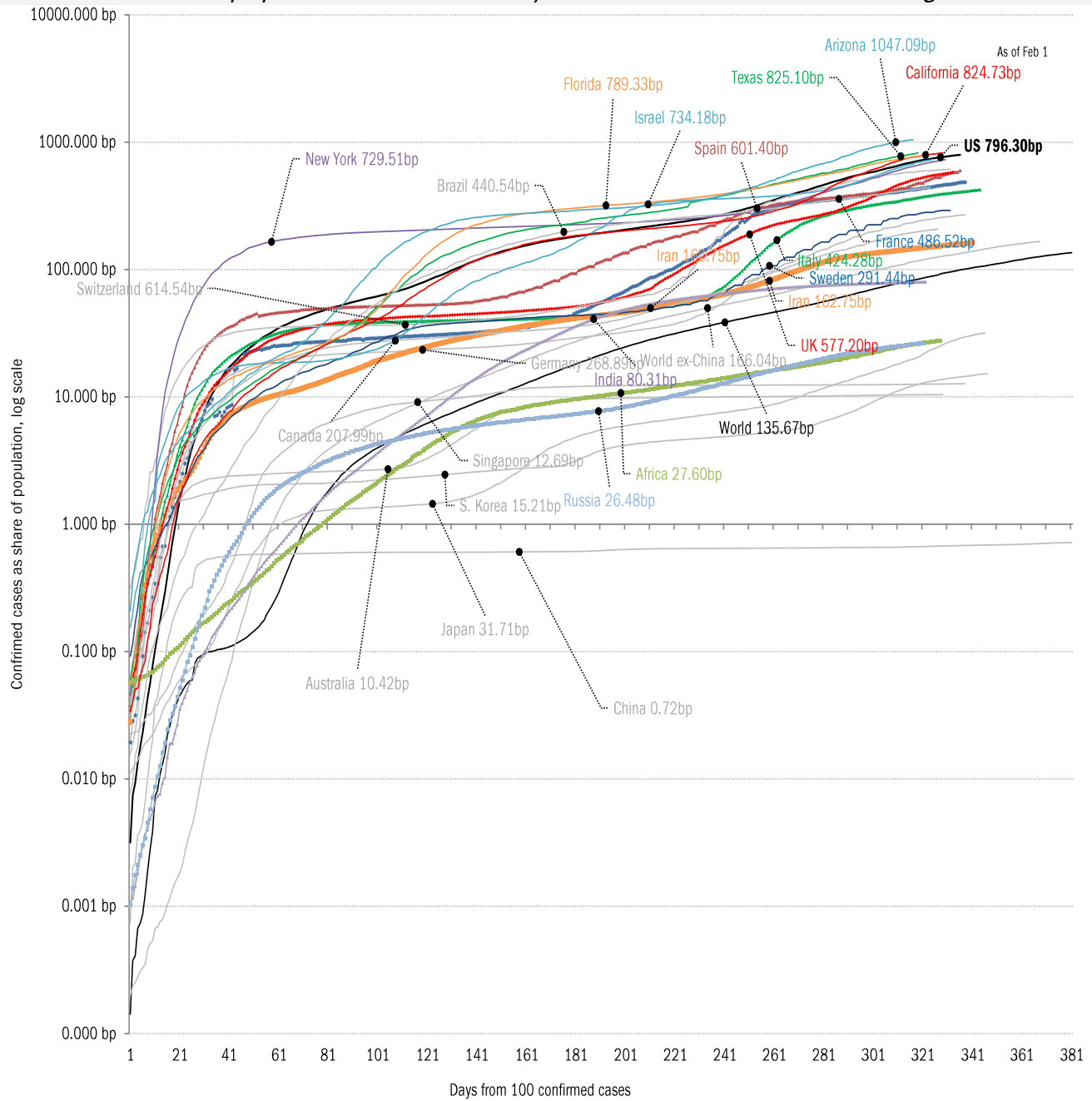
## Fauci Spins His Handy 'Wheel Of Science' To See What He Should Recommend Today

January 30th, 2021



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*

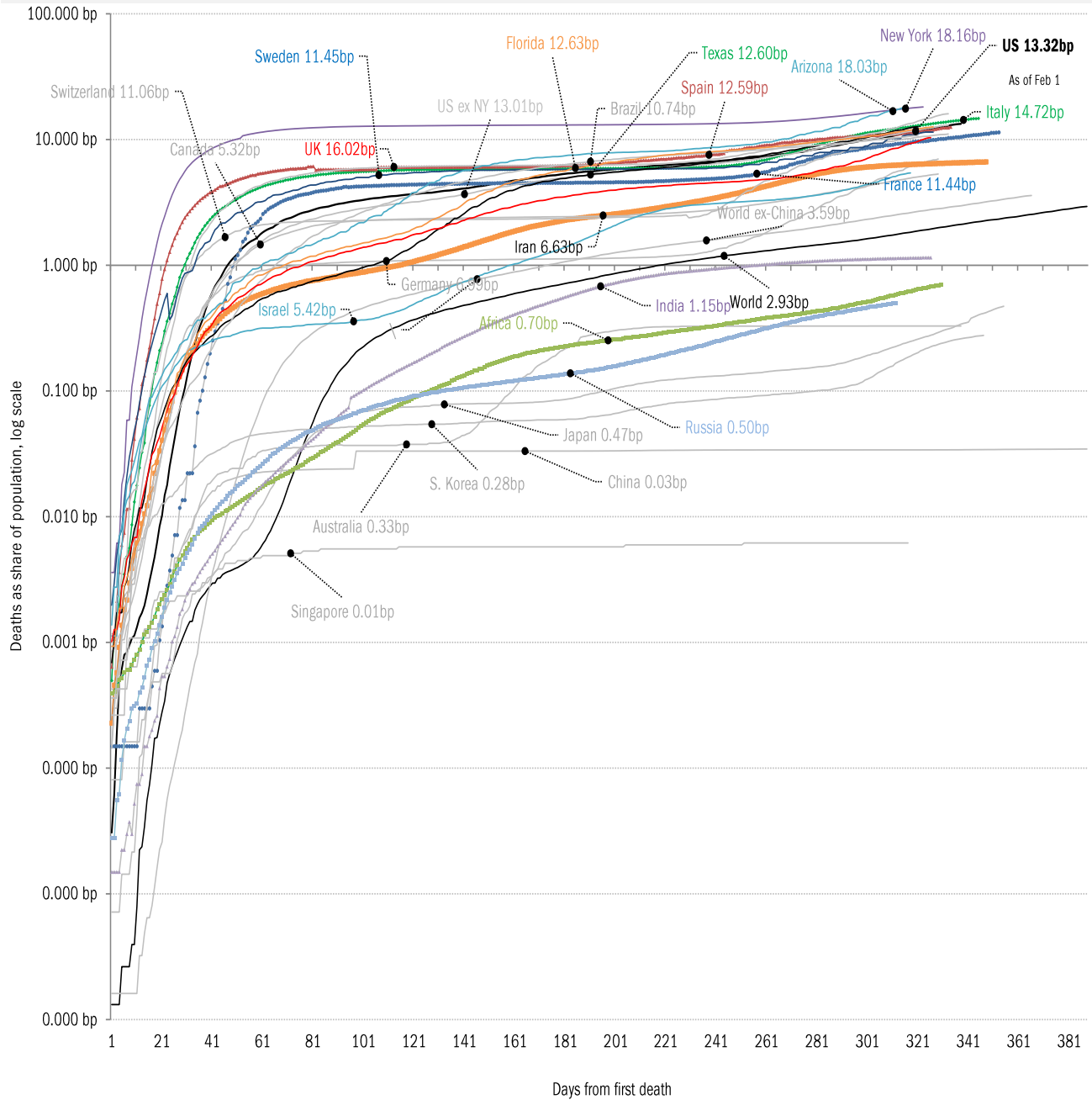


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



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

## Share of deceased population from day of first fatality



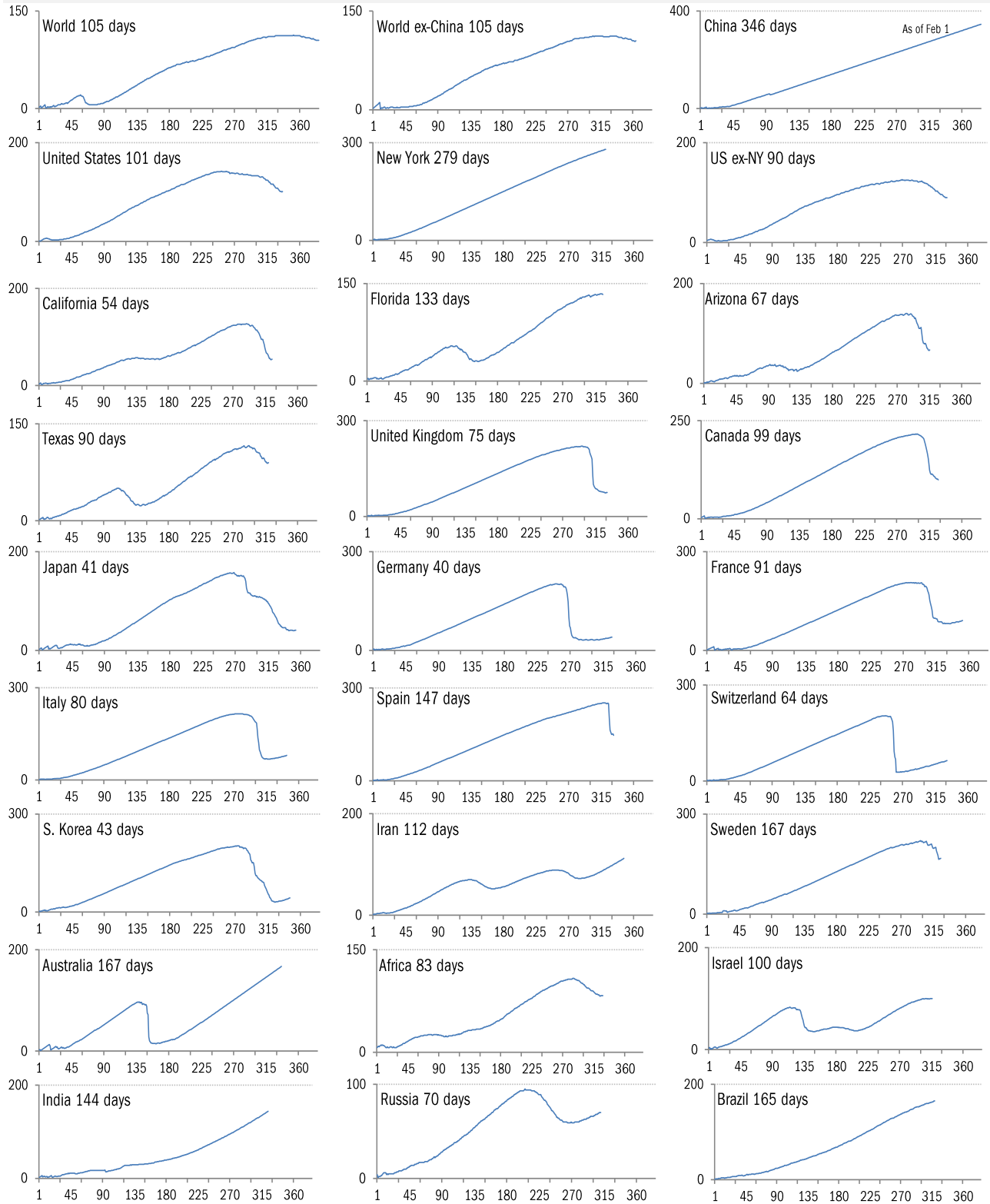
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



# "Exponential"? Our most reliable evidence of the rate of spread of Covid-19

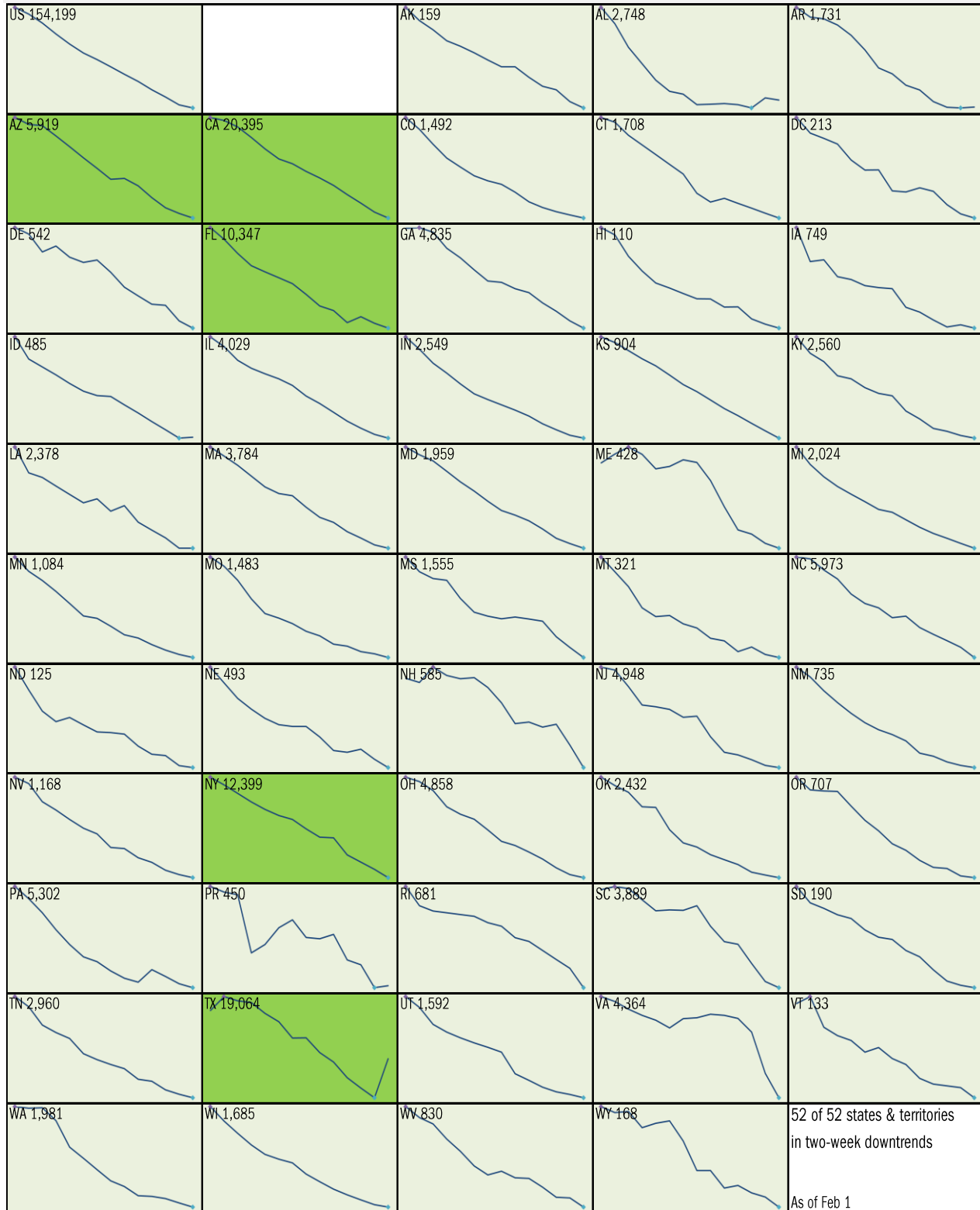
Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



Source: [Johns Hopkins](#), [Covid Tracking Project](#), 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

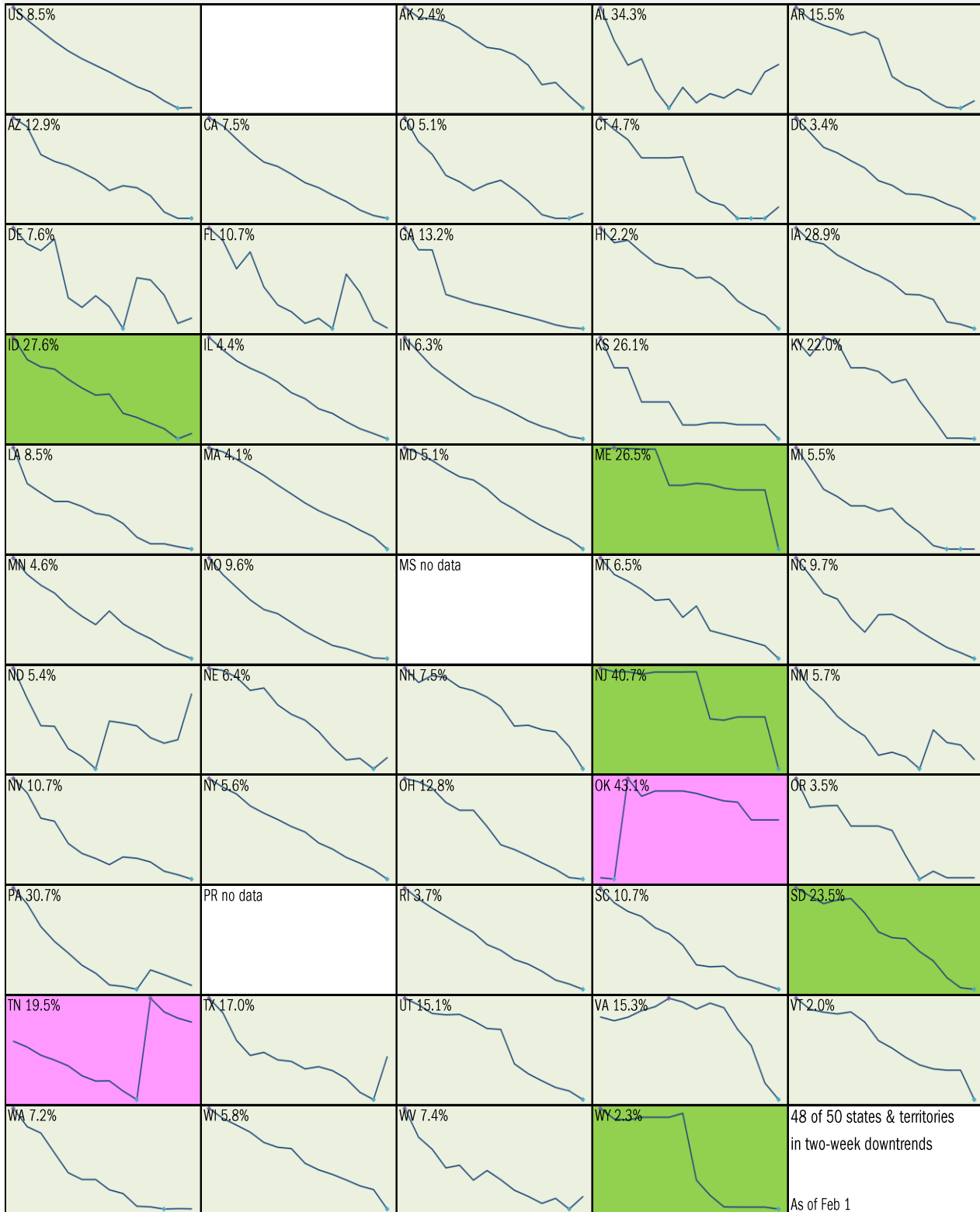


Source: [Covid Tracking Project](#), TrendMacro calculations

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

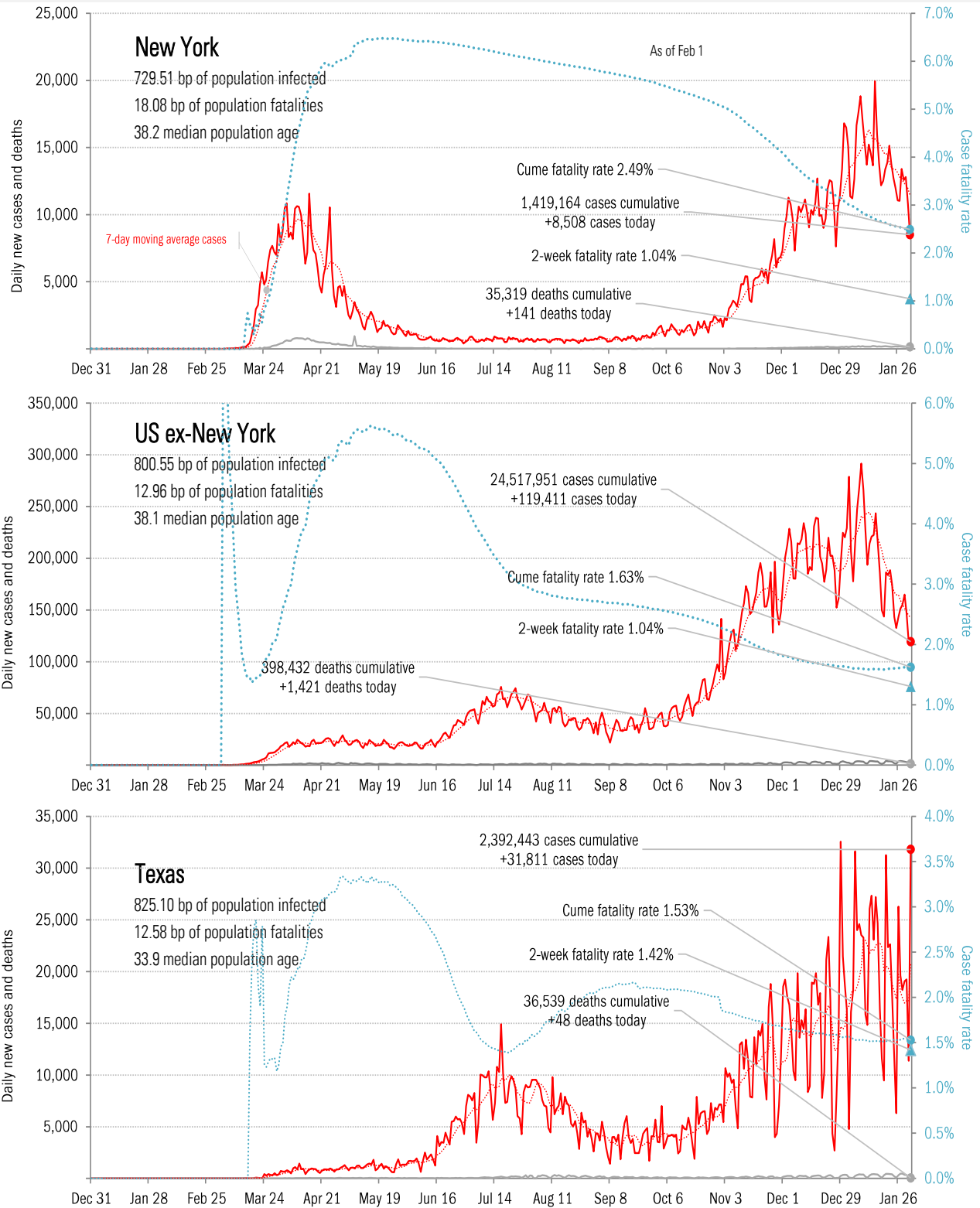
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



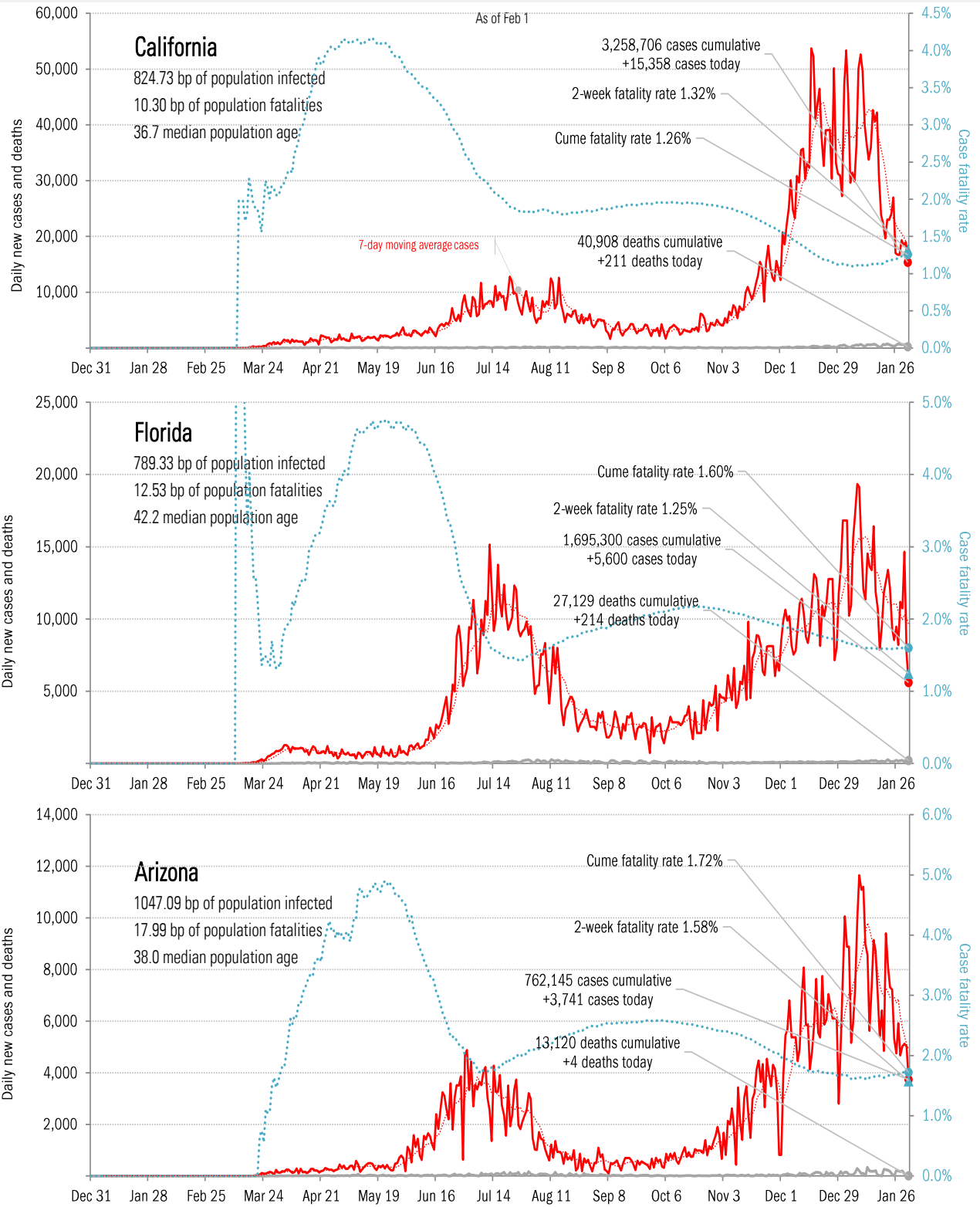
Source: [Covid Tracking Project](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



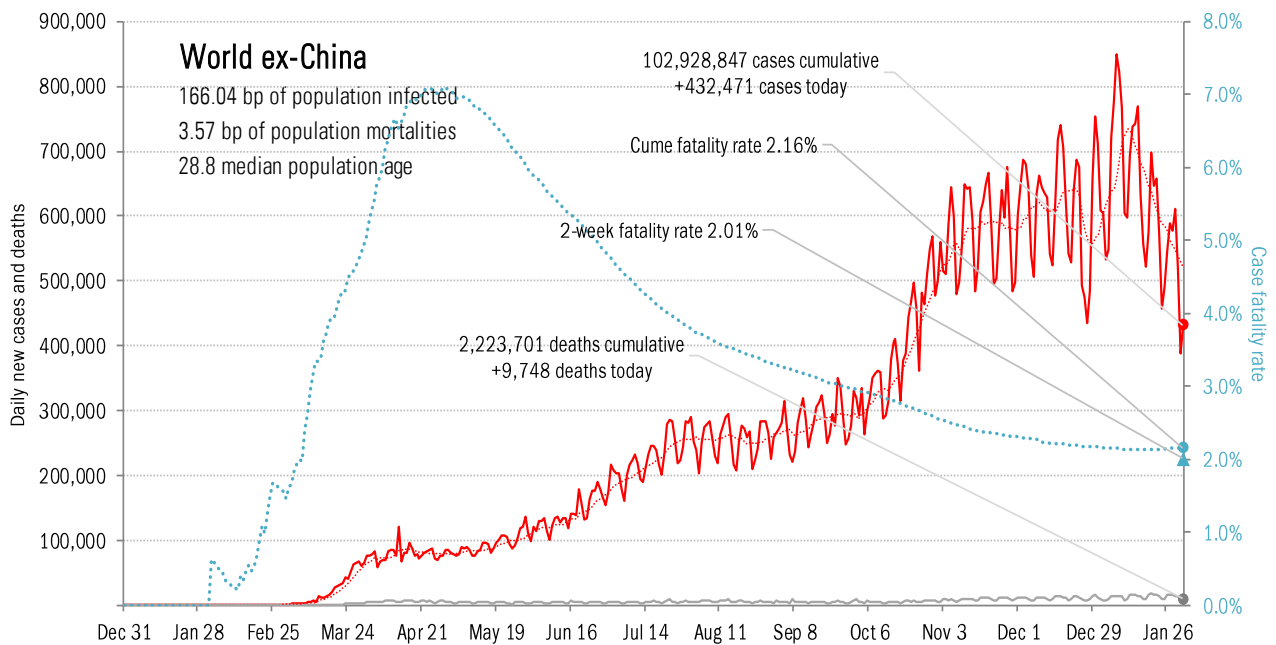
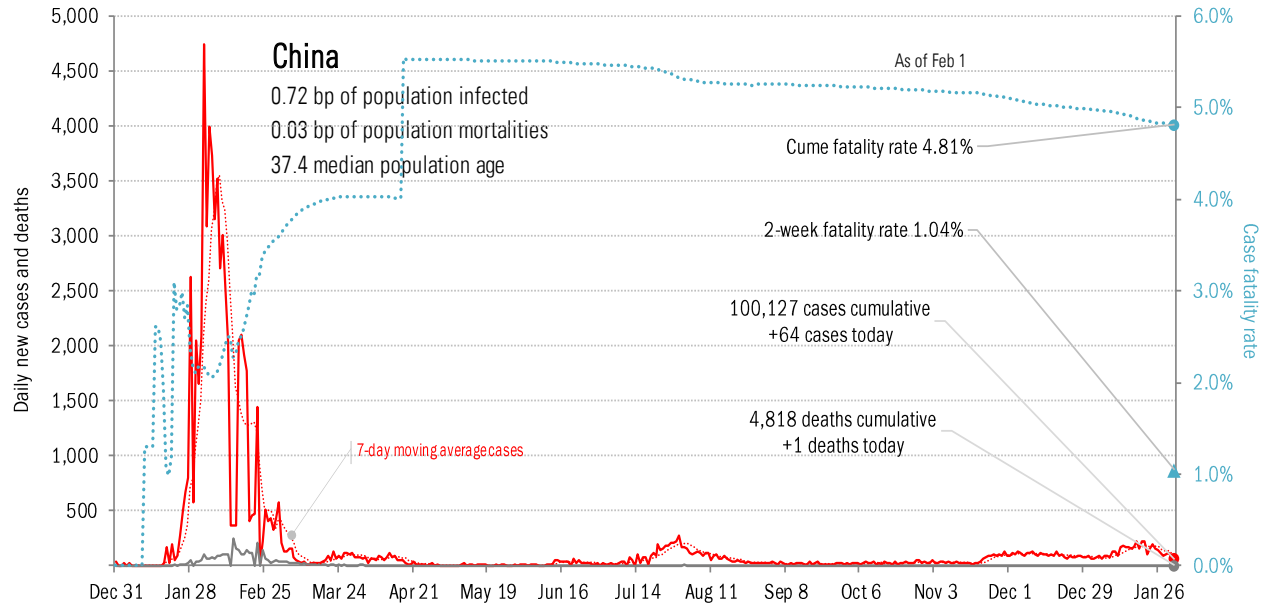
Source: [Covid Tracking Project](#), TrendMacro calculations

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



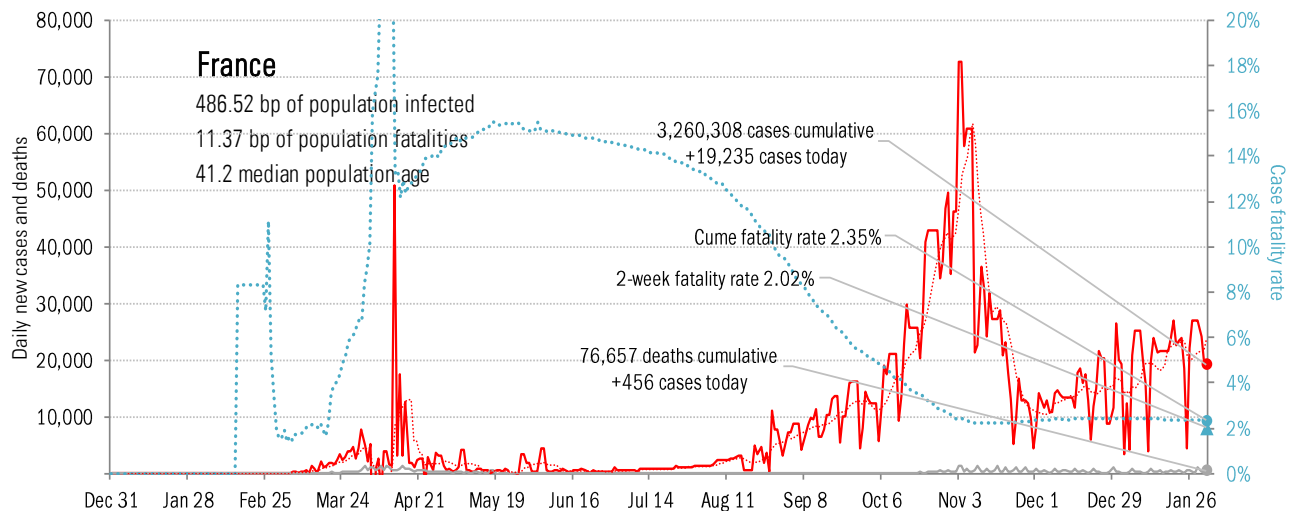
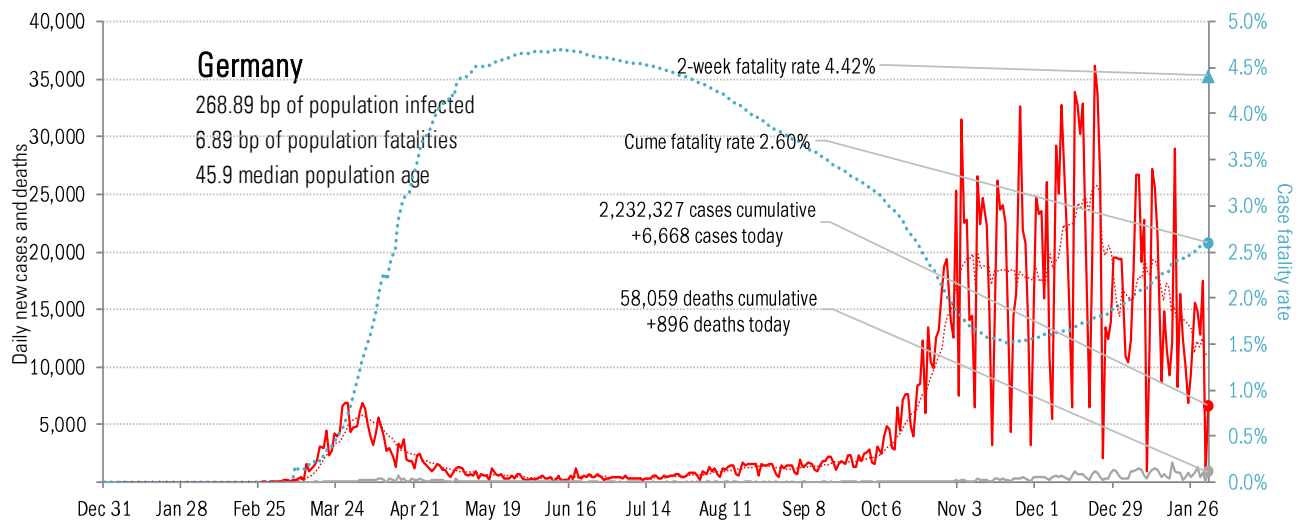
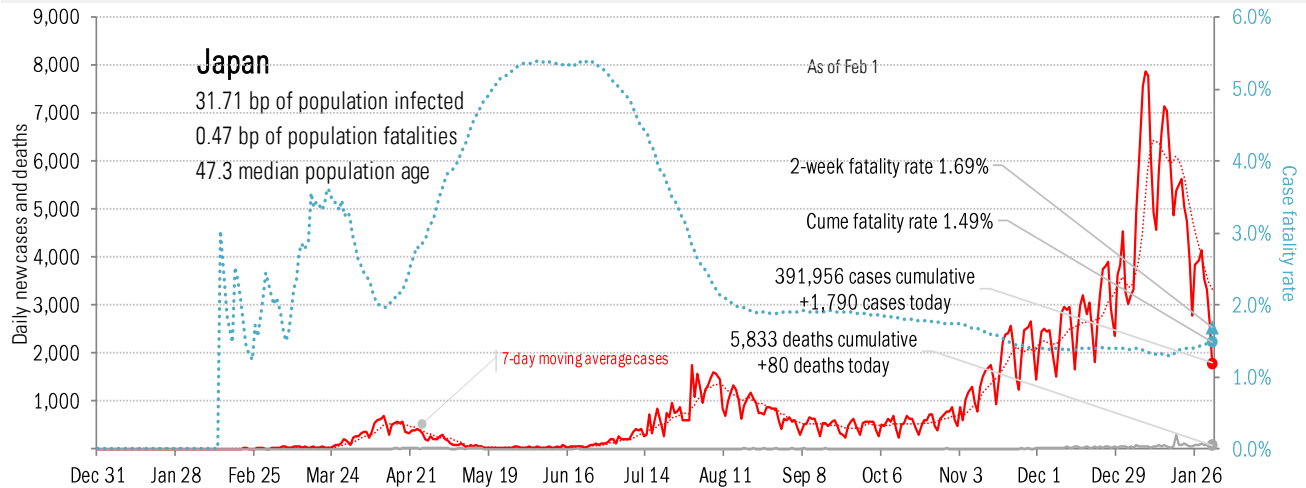
Source: [Covid Tracking Project](#), TrendMacro calculations

# Patient zero... and then everyone else



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

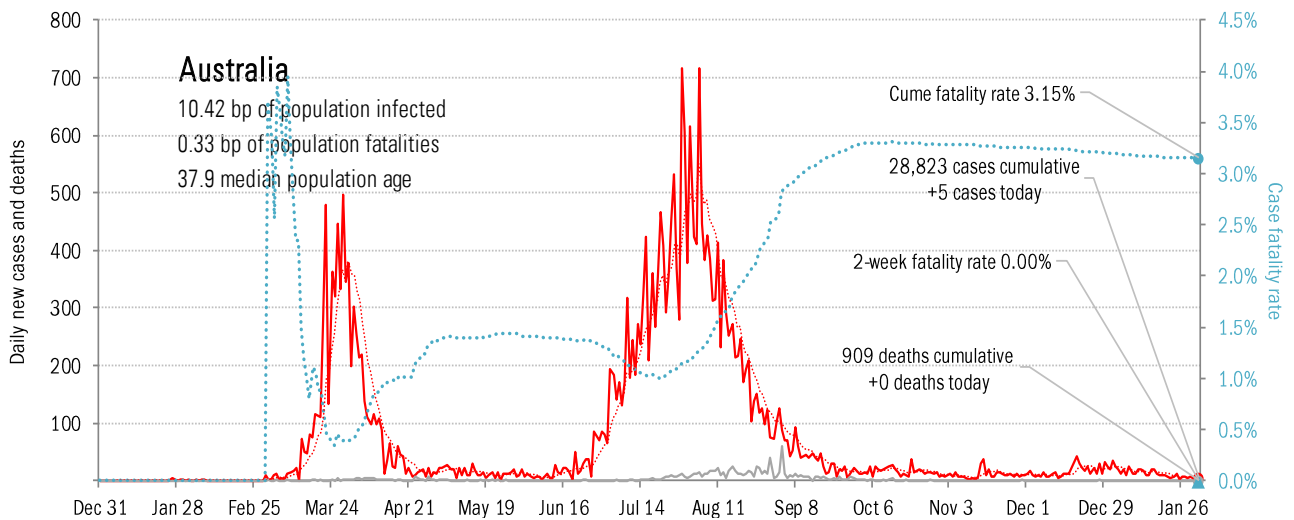
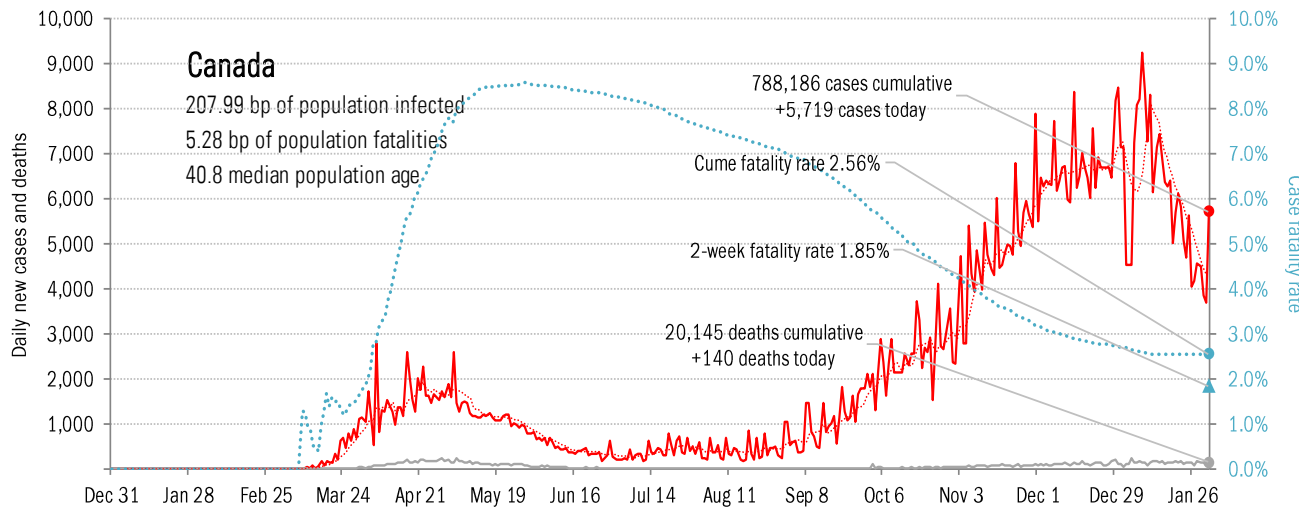
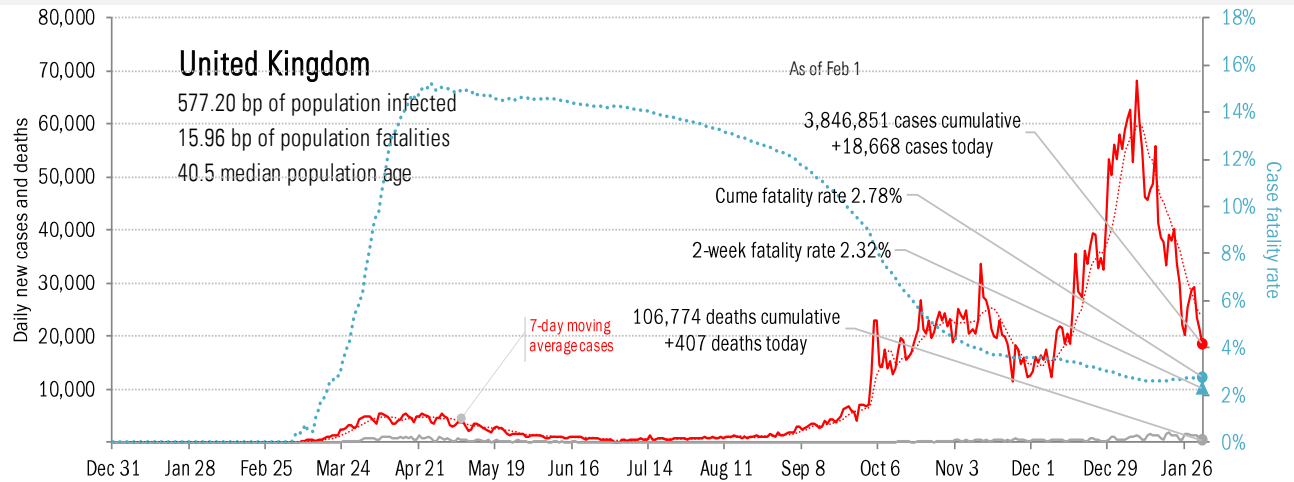
# Impact in the largest economies



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

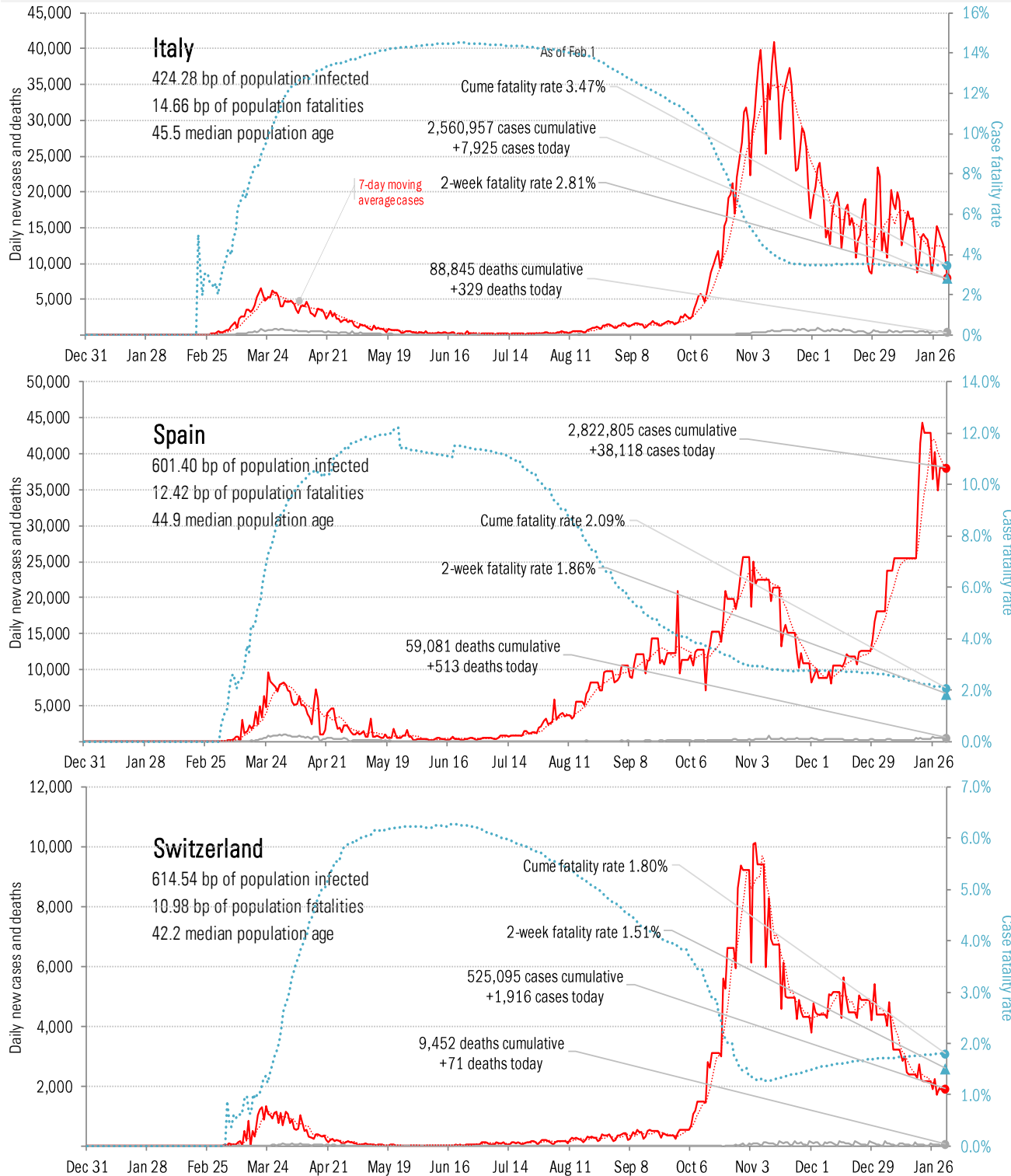


# Impact in The Anglosphere



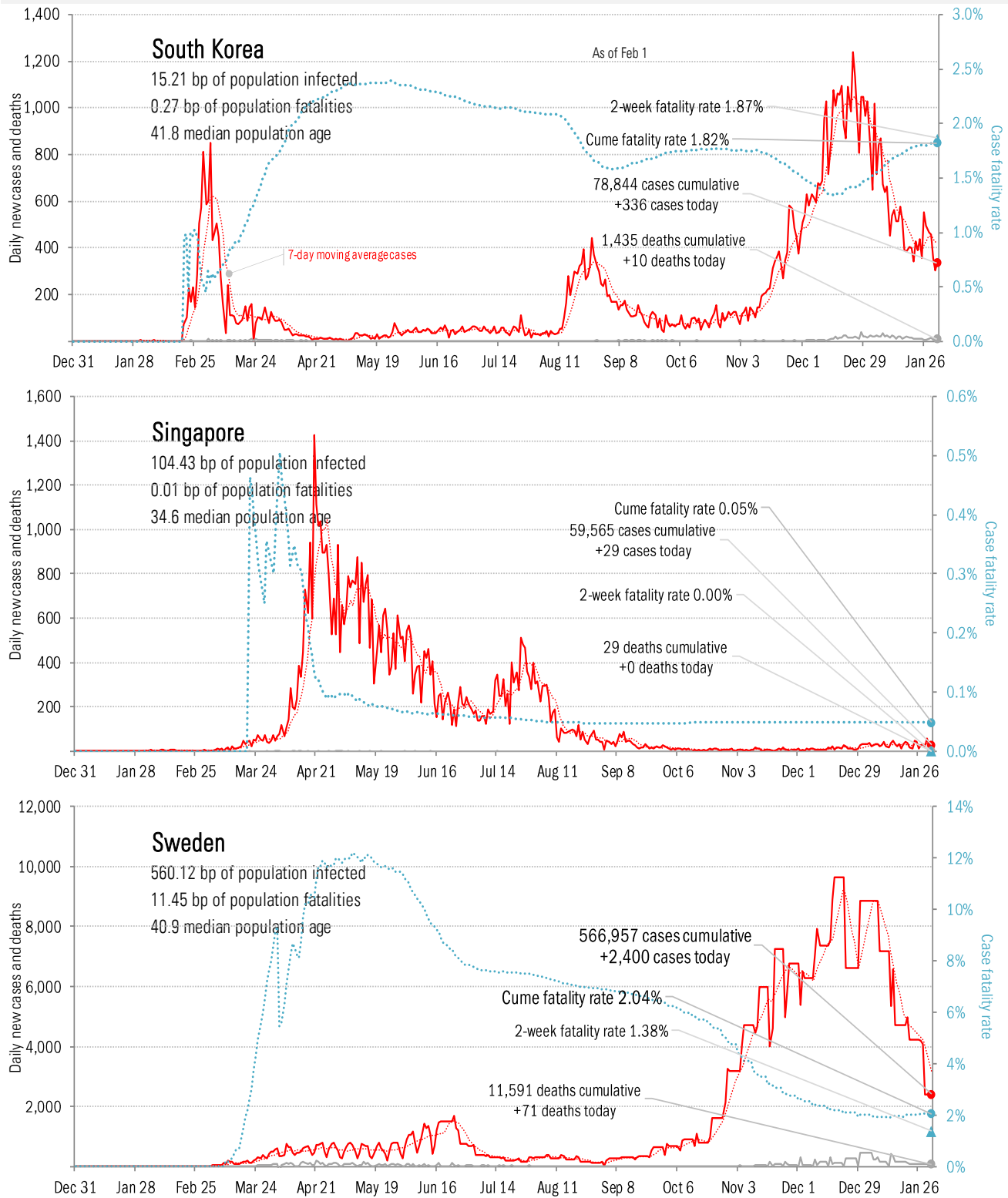
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe



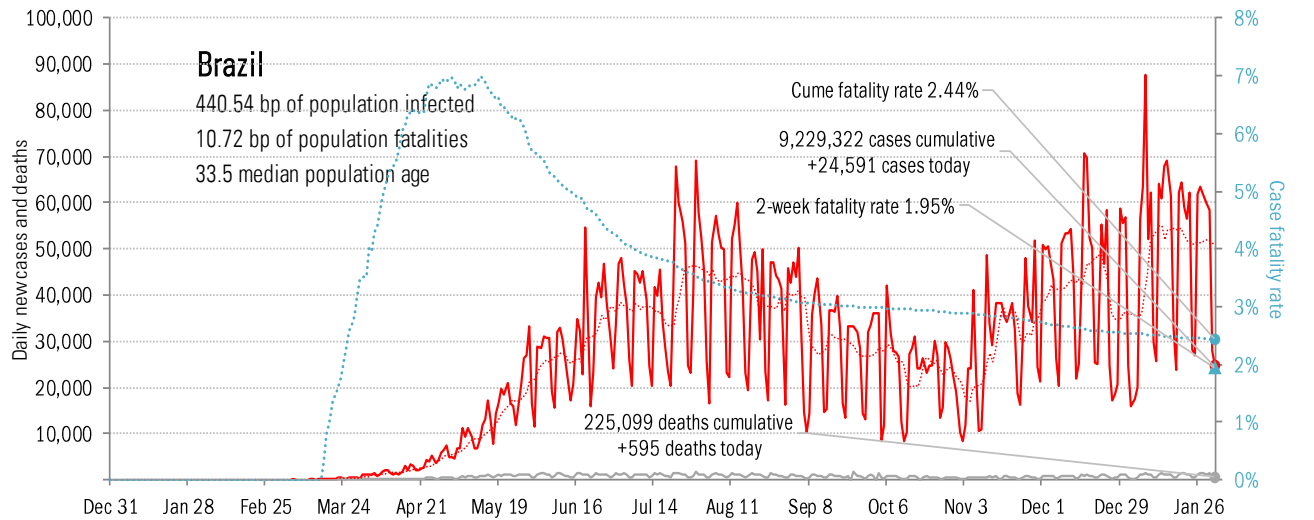
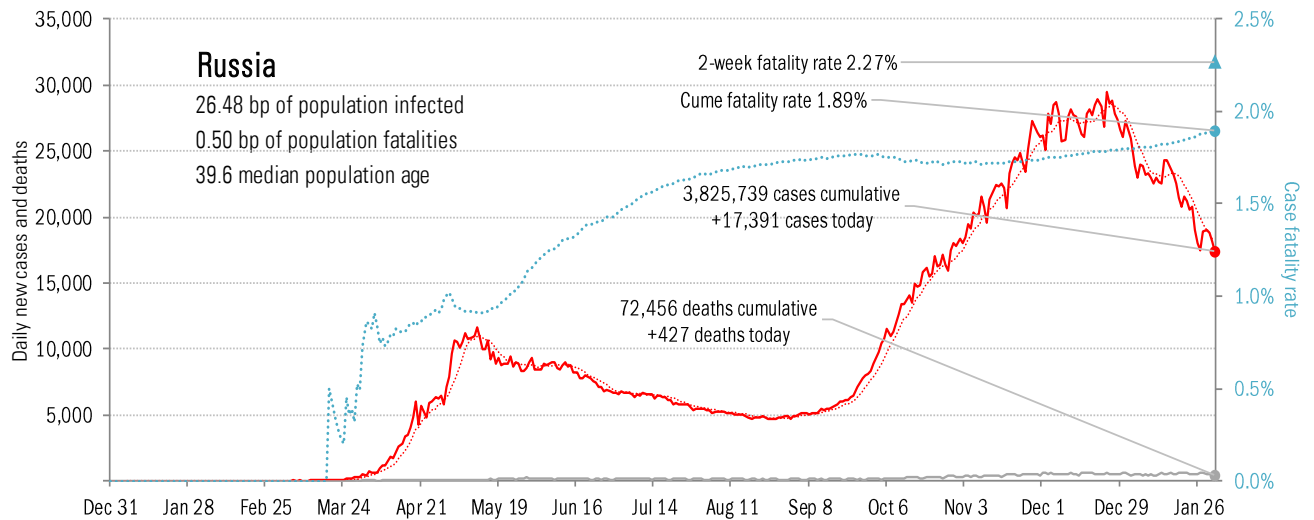
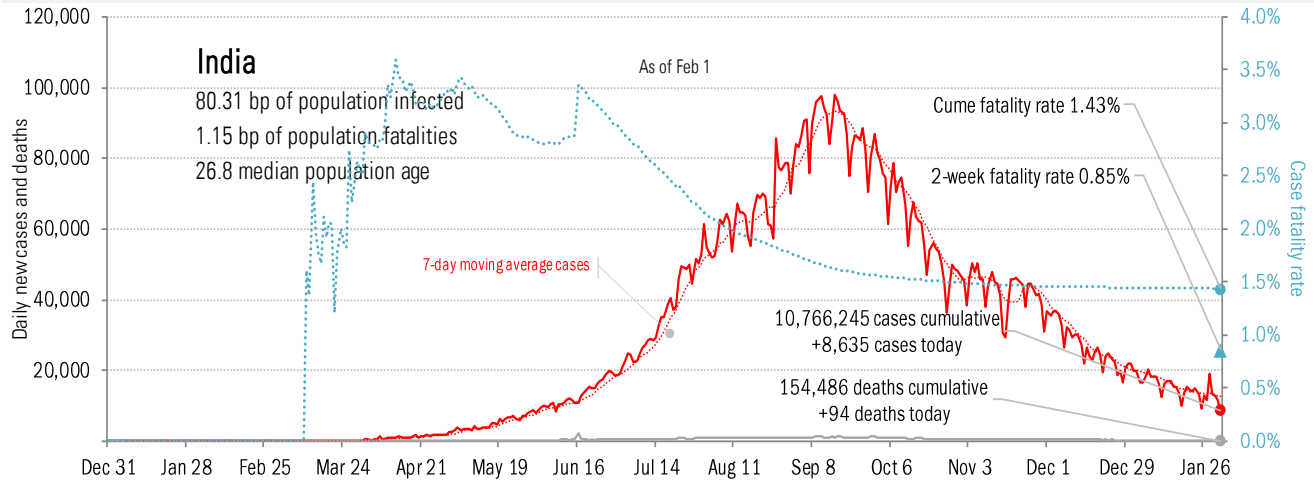
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



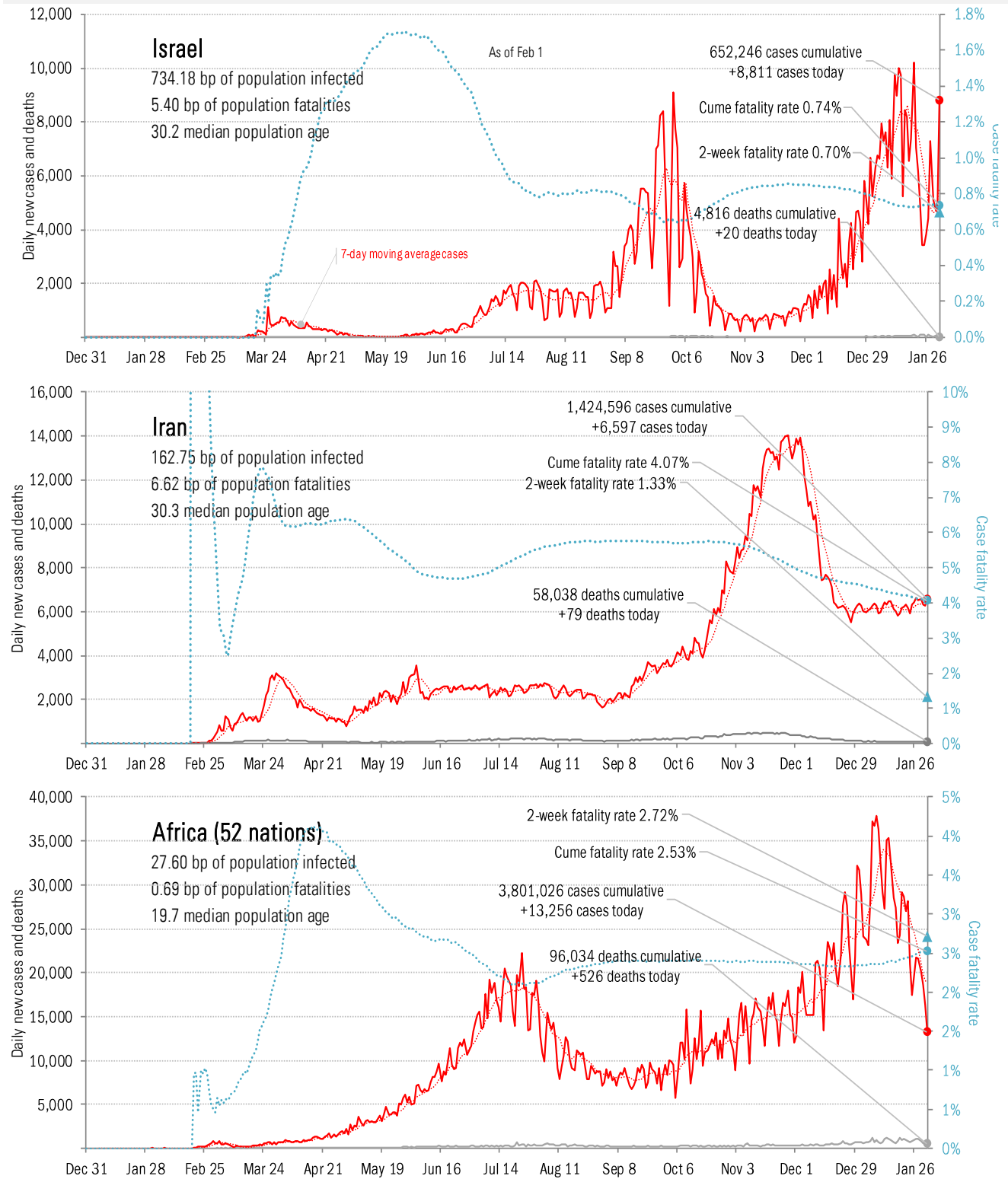
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



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

# Impact in the Middle East and Africa



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