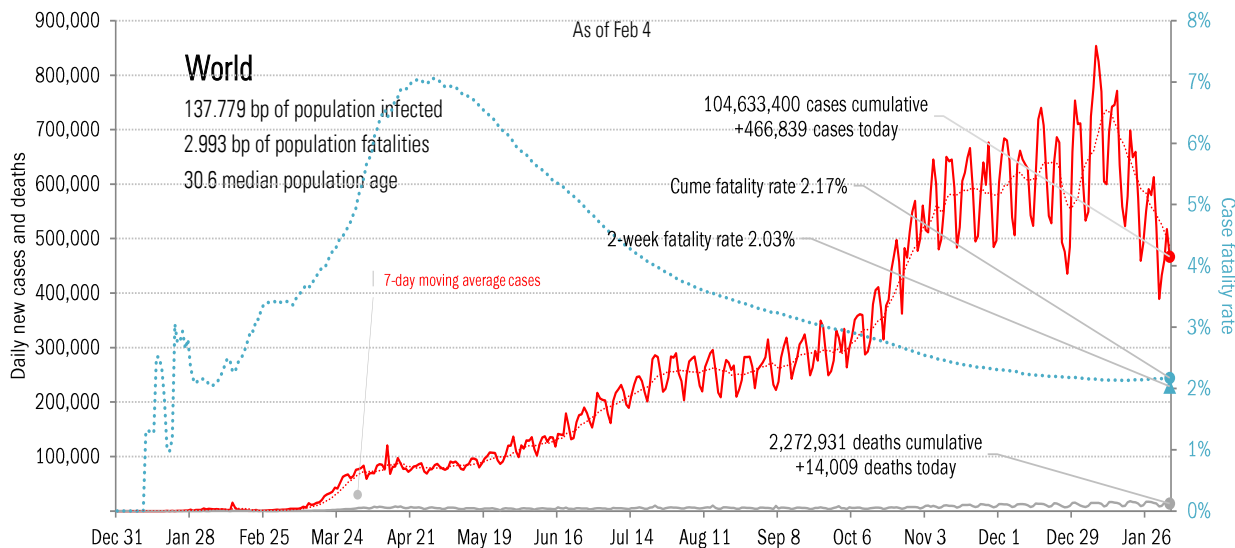
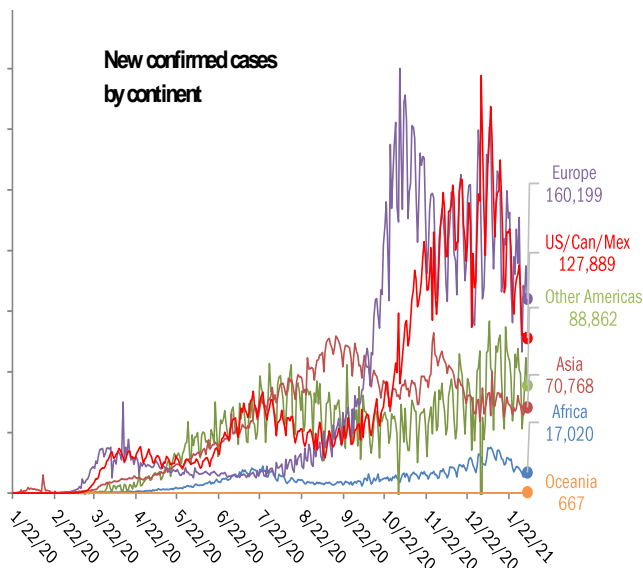


## Data Insights: Covid-2019 Monitor

Friday, February 5, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+123,907	United States	+5,212
Brazil	+56,873	Brazil	+1,232
Spain	+29,960	United Kingdom	+915
United Kingdom	+20,734	Germany	+858
Russia	+16,463	Russia	+508
Italy	+13,656	Poland	+447
Germany	+13,032	Spain	+432
India	+12,408	Italy	+421
Indonesia	+11,434	South Africa	+261
Colombia	+9,790	Colombia	+254
<b>+308,257</b>		<b>+10,540</b>	
World	+466,839	World	+14,009
Top ten	66%	Top ten	75%



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

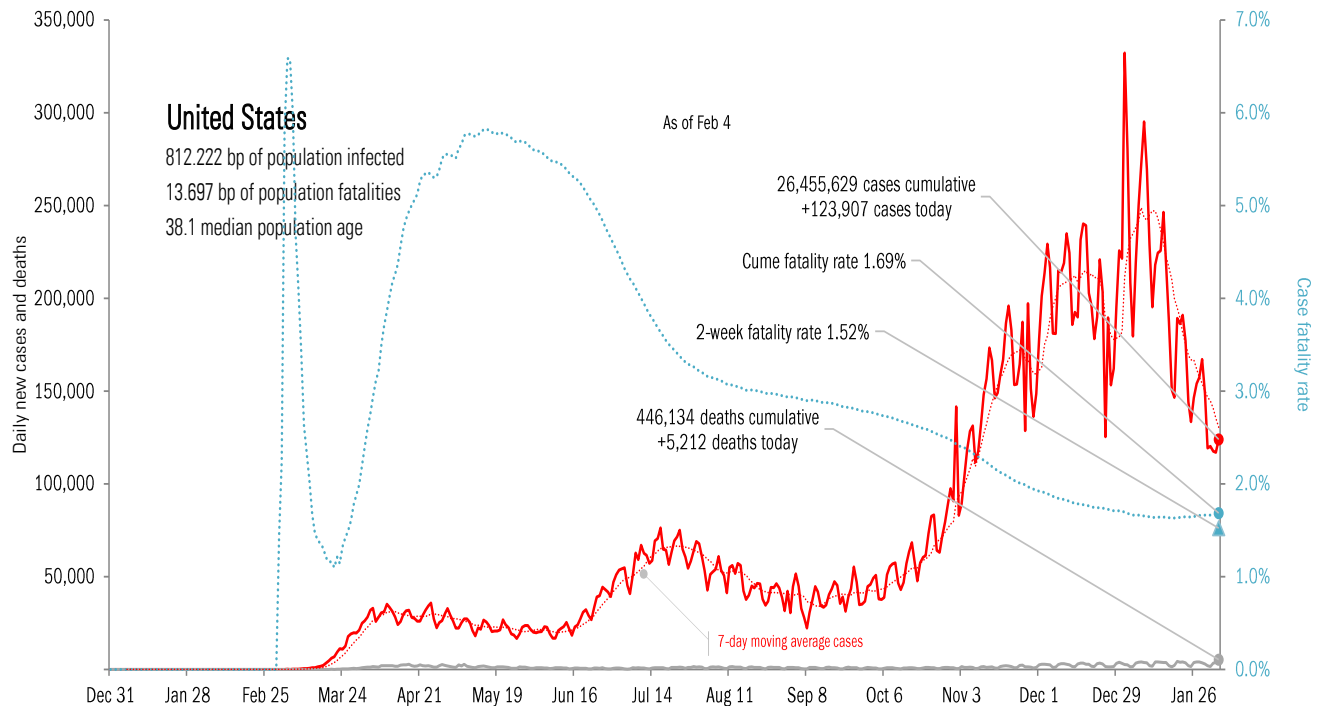
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
TX	+15,281		IN	+1,546		ID	+46		CA	3,294,447		CA	42,466		NY	89,995		RI	101%	GA	89%
CA	+13,176		CA	+655		UT	+36		TX	2,448,391		TX	37,727		FL	74,721		GA	82%	AL	88%
FL	+8,434		TX	+439		CO	+23		FL	1,720,760		NY	35,767		NJ	61,172		SC	81%	RI	87%
NY	+7,414		FL	+226		VT	+15		NY	1,440,718		FL	27,698		AZ	54,091		MA	80%	TX	85%
GA	+5,706		AZ	+176		DC	+11		IL	1,137,559		PA	22,101		GA	51,247		CA	80%	OK	84%
NC	+5,495		GA	+169		CR	+8		GA	928,070		NJ	21,793		CH	47,110		CT	80%	CA	84%
AZ	+4,417		TN	+169		HI	+2		CH	910,847		IL	21,497		AL	42,811		FL	80%	NC	84%
CH	+4,120		AL	+162		NH	+2		PA	856,986		MI	15,725		IN	40,774		MD	79%	DC	84%
PA	+3,370		NC	+150		AK	+1		NC	781,802		MA	14,784		MD	32,531		MO	79%	FL	83%
IL	+3,328		PA	+146		WY	+1		AZ	771,796		GA	14,756		WI	24,634		PA	78%	MO	82%
+70,741			+3,838			+145			14,291,376			254,314			519,086						
All states	+123,907		+5,212			-2772			All states	26,455,629		446,134			819,380			All states	74%	75%	
Top ten	57%		74%			-5%			Top ten	54%		57%			63%			Median	72%	73%	

Some states not reporting

## Five most improved US states

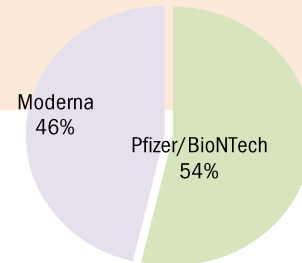
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NC	-6,584	AL	-147	VA	-173	MA	+36,000
TX	-2,339	KS	-86	IL	-150	TX	+22,022
KS	-2,247	MT	-49	KS	-145	MS	+15,364
UT	-318	AZ	-38	NY	-130	PA	+11,367
IA	-208	NY	-29	TX	-129	AL	+10,737



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
57.49 million doses distributed	+1.55 million/day
35.20 million doses administered	+1.33 million/day
27.91 million persons with one or more shot	+0.75 million/day
6.93 million persons with two or more shots	+0.49 million/day
4.21 million shots long-term care residents/staff	+0.19 million/day
<b>61.2% of distributed doses administered</b>	
<b>10.7% of US pop at least 1 shot</b>	<b>2.1% 2 shots</b>
<b>94.0% of LTC at least 1 shot</b>	<b>17.8% 2 shots</b>



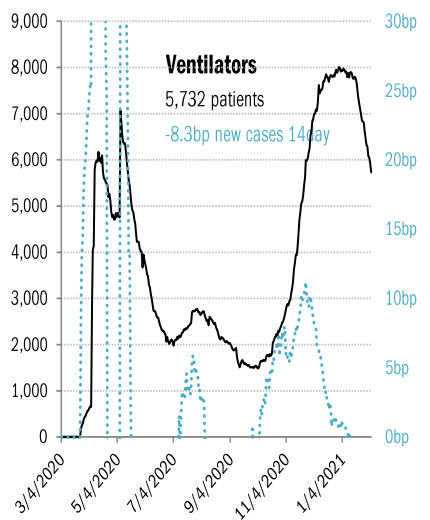
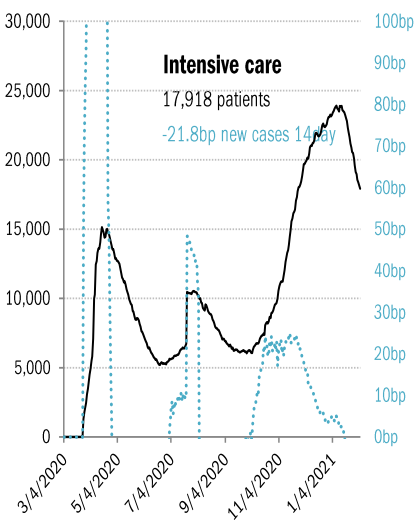
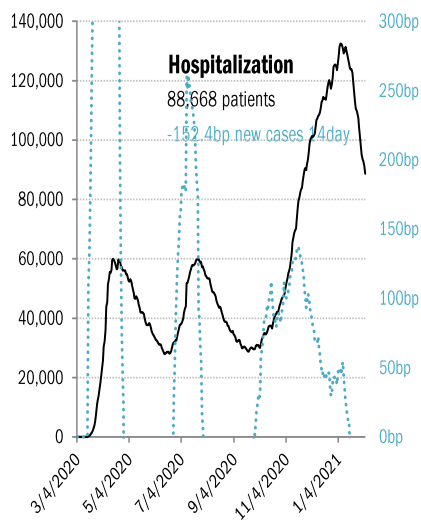
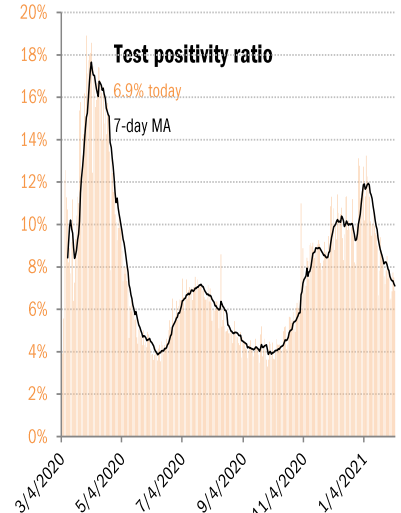
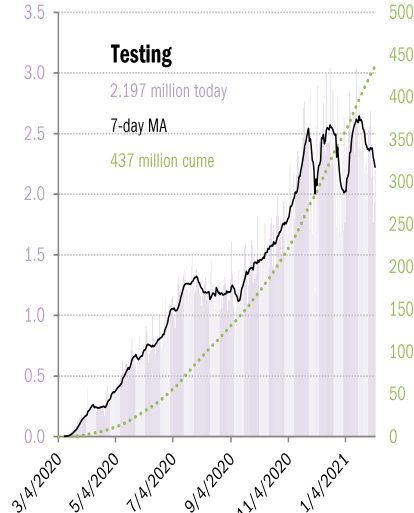
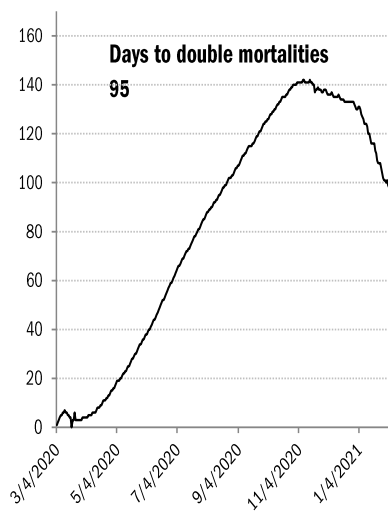
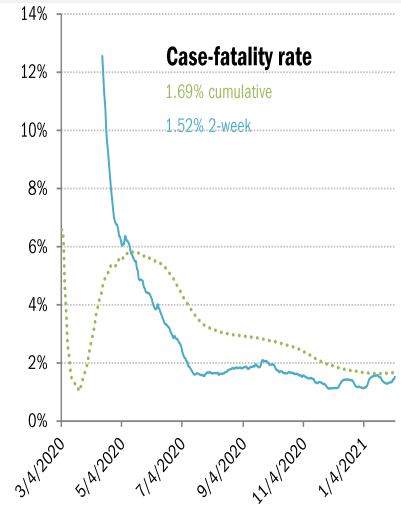
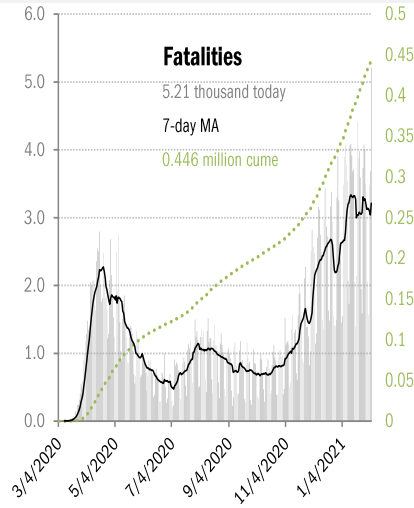
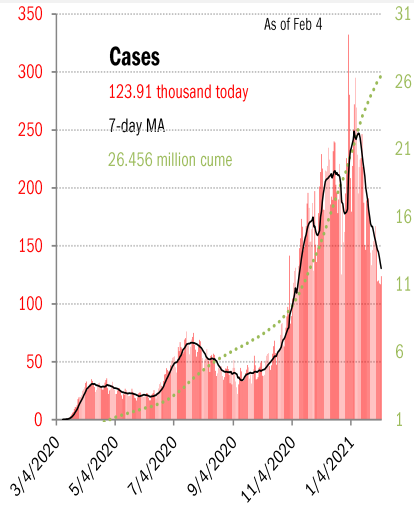
State	Doses distributed as % population	One shot received as % population	Two shots received as % population
AK	32.9%	13.6%	4.1%
ME	18.9%	8.6%	2.7%
VT	18.6%	9.0%	3.3%
NH	17.9%	8.0%	2.7%
WI	15.9%	7.9%	1.5%
NY	17.4%	8.1%	2.0%
MA	17.8%	7.5%	1.9%
WA	15.3%	8.4%	1.9%
ID	14.7%	6.3%	1.5%
MT	15.3%	8.1%	2.7%
ND	17.3%	9.8%	3.8%
MN	16.5%	8.2%	2.3%
IL	16.2%	7.2%	2.0%
MI	16.4%	8.4%	2.3%
OR	16.8%	8.8%	2.4%
NV	13.8%	7.9%	1.5%
WY	16.9%	8.5%	1.8%
SD	17.3%	9.2%	3.8%
IA	14.9%	6.5%	2.2%
IN	16.6%	8.0%	1.9%
OH	16.3%	7.8%	1.9%
PA	17.2%	7.5%	2.0%
NJ	16.1%	7.9%	1.6%
CT	18.7%	10.5%	2.7%
RI	16.9%	7.2%	2.6%
CA	16.3%	7.8%	1.6%
UT	15.4%	8.1%	2.3%
CO	17.1%	8.4%	2.6%
NE	17.8%	7.3%	2.7%
MO	15.4%	6.3%	1.8%
KY	16.7%	8.3%	1.8%
WV	18.3%	11.0%	4.4%
VA	16.2%	9.1%	1.7%
MD	16.1%	7.7%	1.7%
DE	16.6%	9.2%	2.1%
AZ	16.3%	7.9%	1.5%
NM	17.4%	10.7%	3.2%
KS	16.2%	6.8%	1.8%
AR	17.1%	8.8%	2.3%
TN	16.0%	7.0%	3.0%
NC	16.4%	8.3%	1.8%
SC	13.3%	7.8%	1.7%
DC	23.4%	9.4%	3.0%
OK	17.7%	9.7%	2.5%
LA	16.1%	8.5%	2.5%
MS	16.6%	7.5%	0.9%
AL	16.3%	6.9%	1.4%
GA	15.9%	7.9%	1.4%
HI	18.6%	8.5%	2.2%
TX	14.6%	7.5%	2.1%
FL	17.0%	8.4%	2.0%
PR	19.4%	6.7%	2.0%

As of Feb 4

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

# US deep-dive

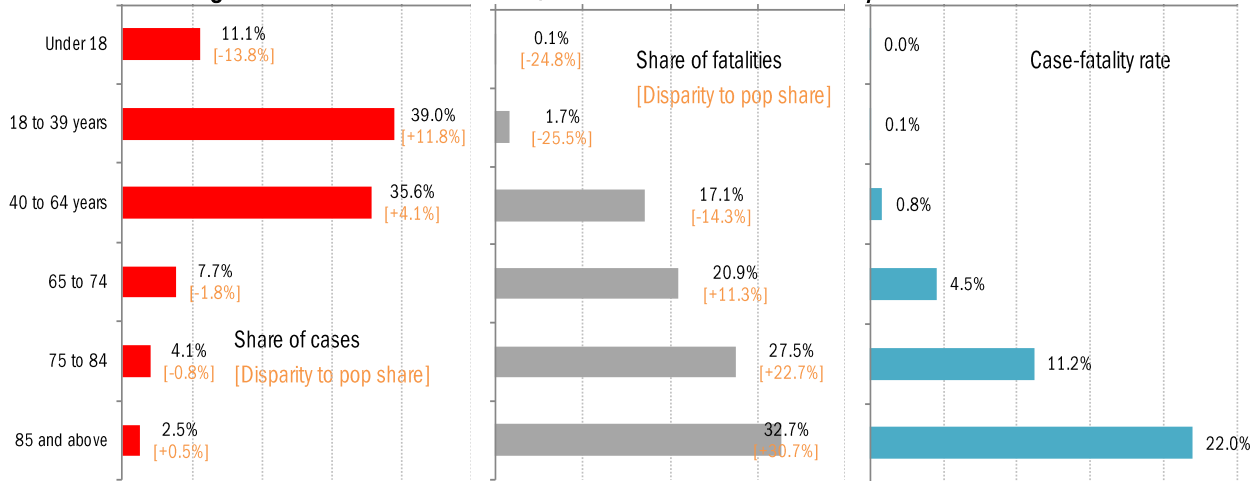
National and state-by-state data do not line up because of different sources



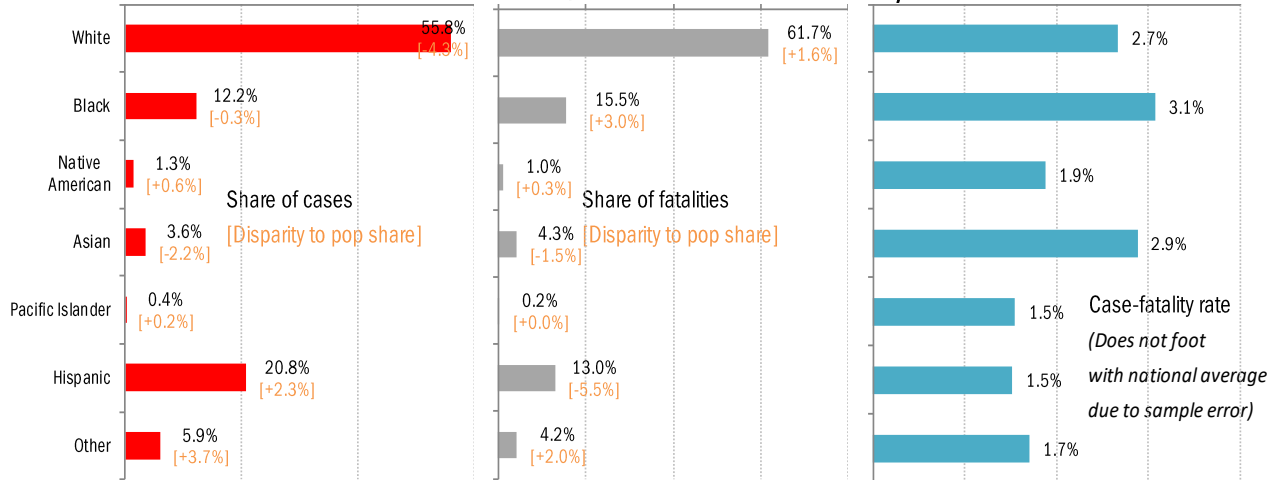
Source: [Covid Tracking Project](#), TrendMacro calculations

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

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

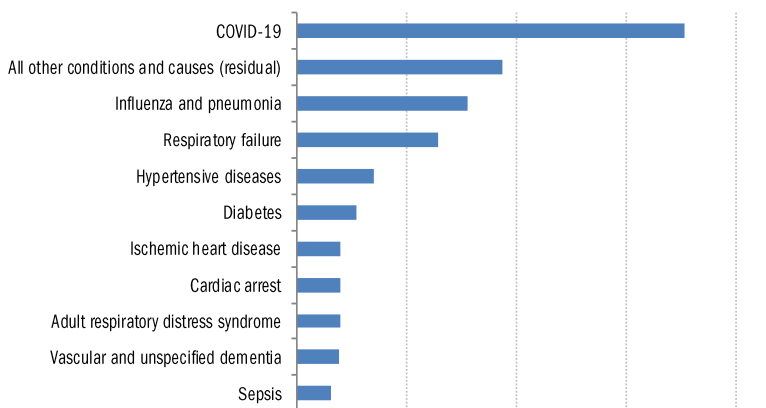


## Racial distribution of US cases, fatalities and case-fatality rates



## 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

[He Is Israel's 'Prince of Torah.' But to Some, He Is the King of Covid.](#)

Patrick Kingsley  
*New York Times*  
January 29, 2021

['Vaccine Hunters' Cross State Lines in Search of Shots](#)

Simon Romero, Amy Harmon, Lucy Tompkins and Giulia McDonnell Nieto del Rio  
*New York Times*  
February 4, 2021

[Vaccines Could Blunt U.K. Epidemic in Weeks](#)

Allison McCann  
*New York Times*  
February 4, 2021

[Johnson & Johnson files for emergency use of Covid-19 shot](#)

Sarah Owerhohle  
*Politico*  
February 4, 2021

[2 California supermarkets closing after city orders pay hike](#)

*Associated Press*  
February 2, 2021

[Dismounting the COVID Tiger](#)

Angelo Codevilla  
*American Greatness*  
January 26, 2021

[Newsom approval rate drops in two California polls](#)

Jeremy B. White  
*Politico*  
February 2, 2021

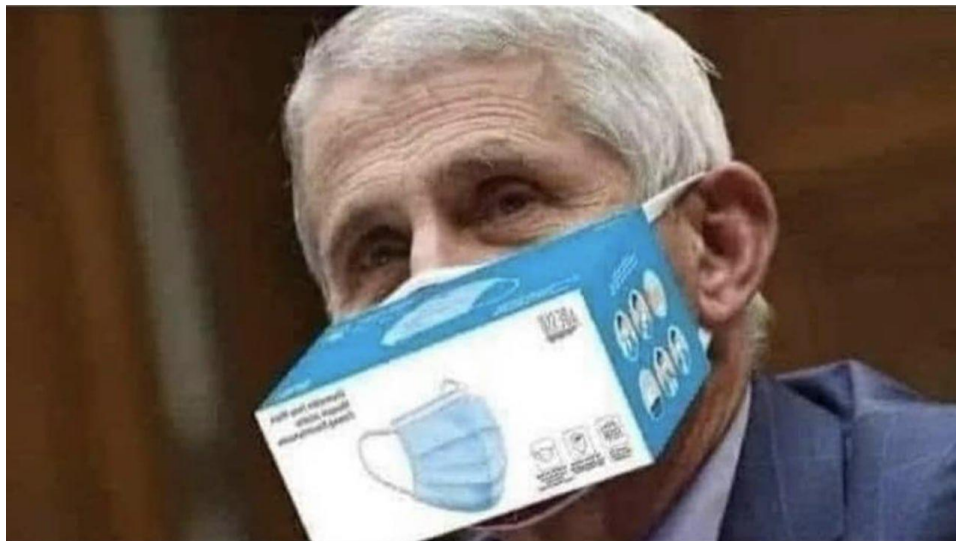
[The Second COVID-19 Shot Is a Rude Reawakening for Immune Cells](#)

Katherine J. Wu  
*The Atlantic*  
February 2, 2021

[Socks spread COVID? Watch this tour of a pharmacy in Quebec under ridiculous lockdown rules](#)

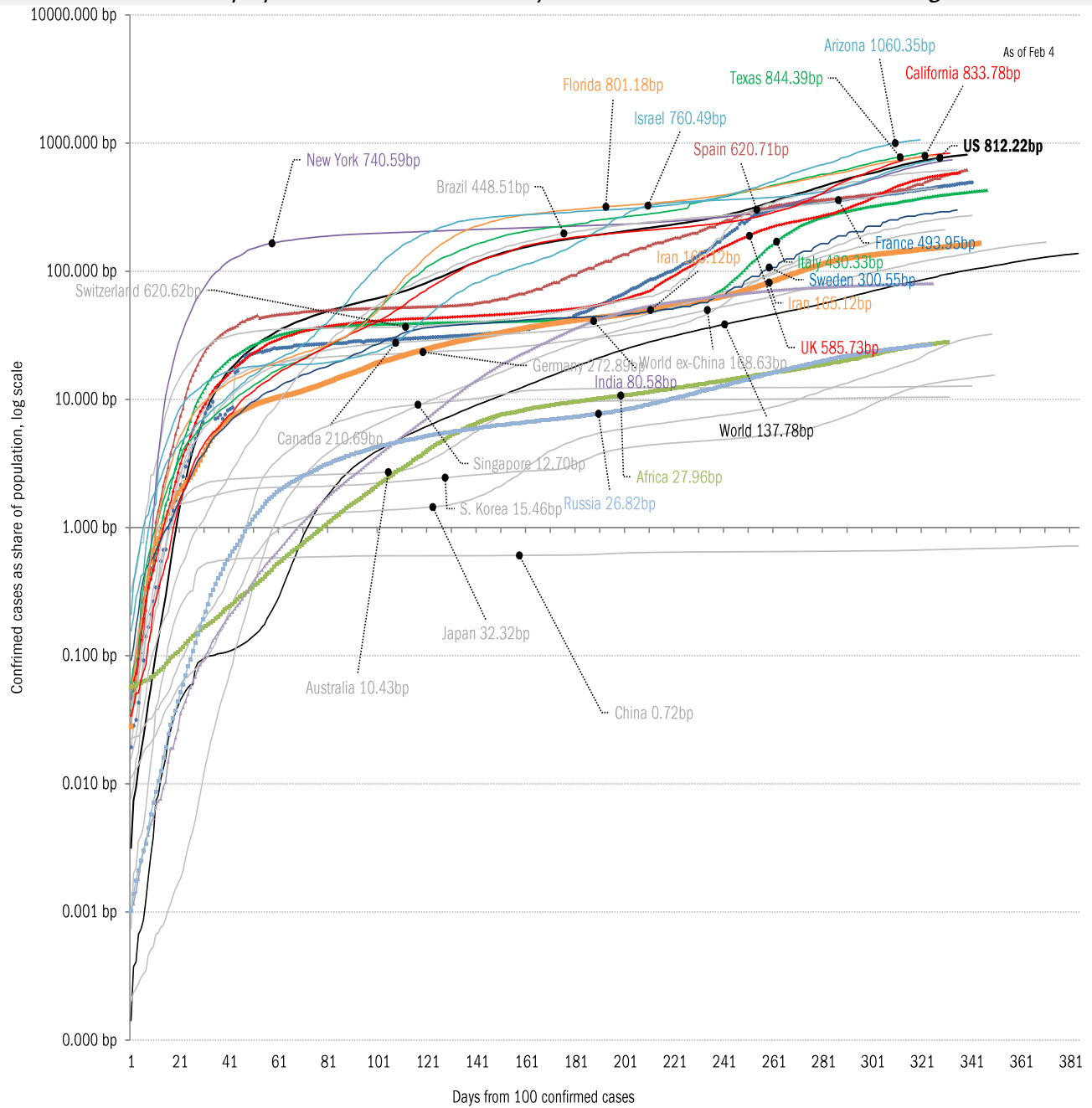
Harris Rigby  
*Not The Bee*  
February 3, 2021

## Meme of 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*

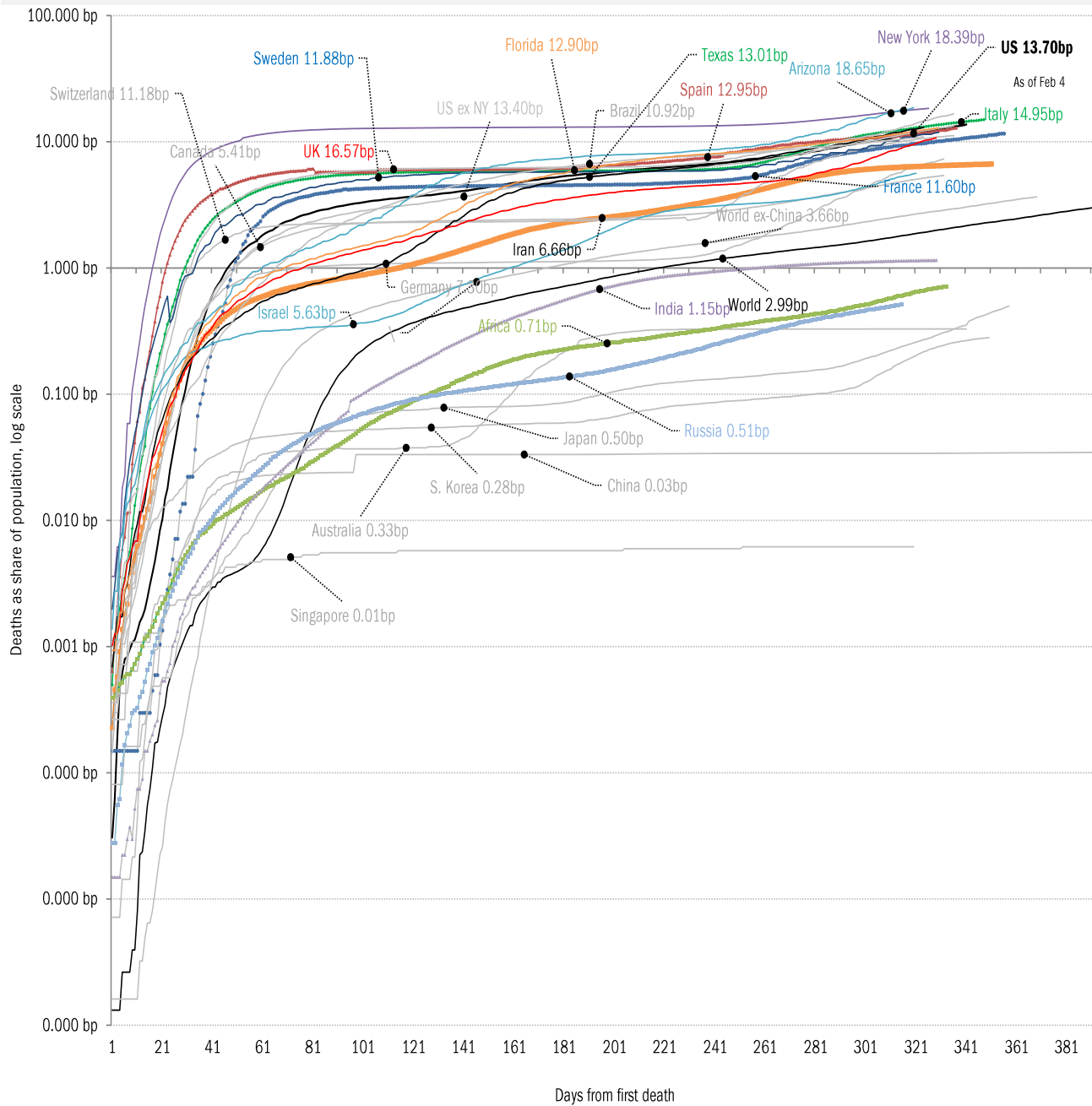


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



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

## Share of deceased population from day of first fatality



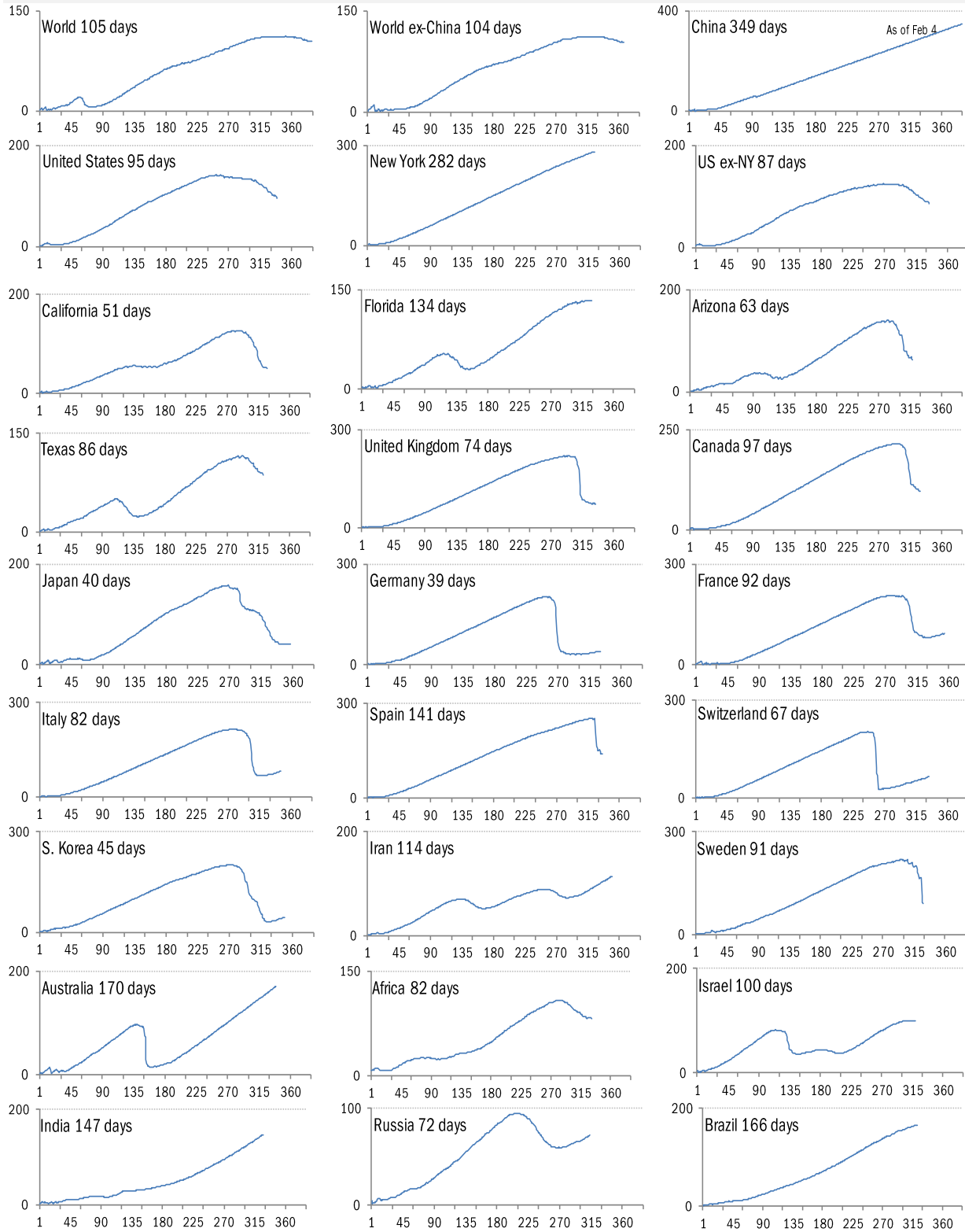
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



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

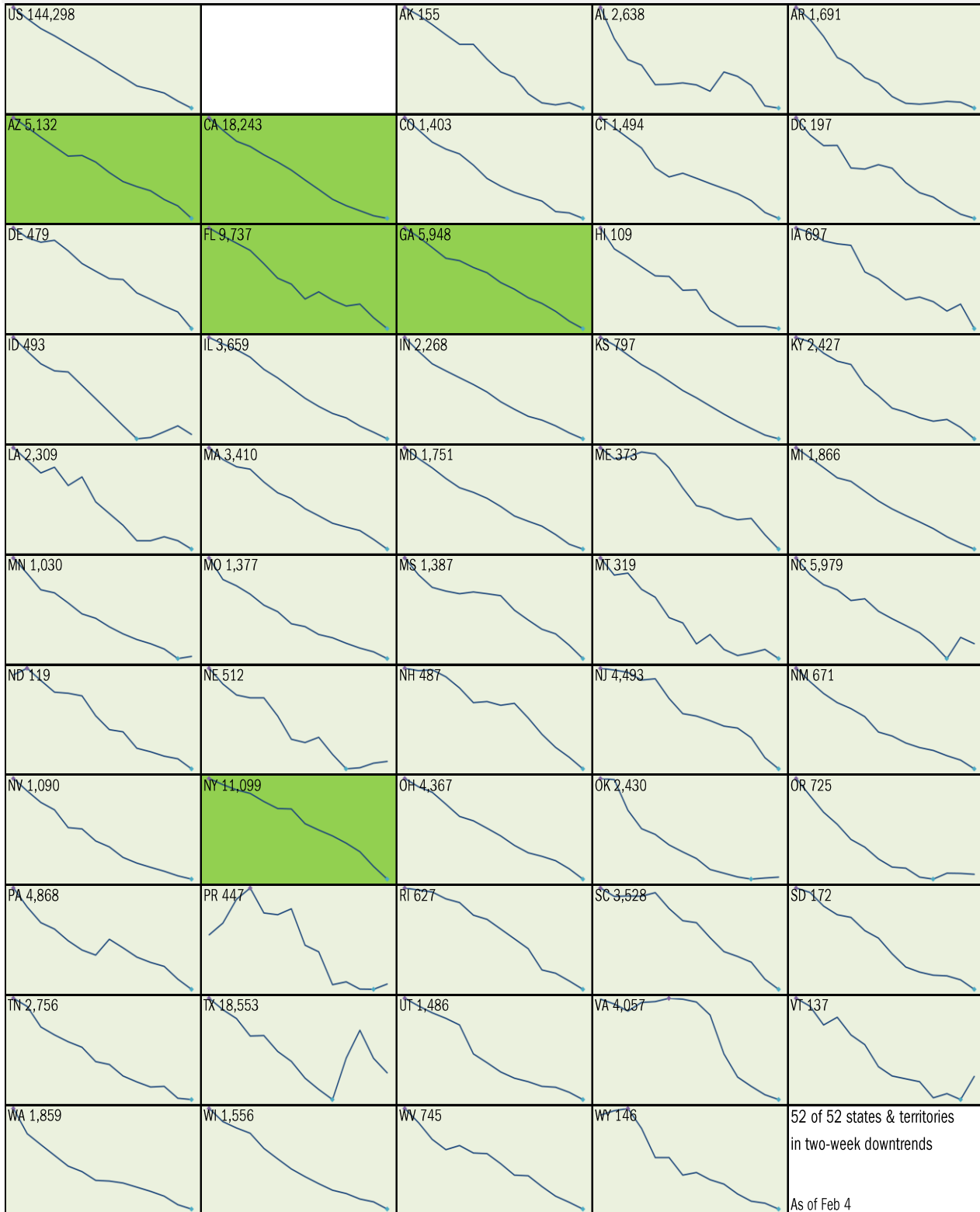
Vertical: days to double deaths Horizontal: days from first death

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



Source: [Johns Hopkins, 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

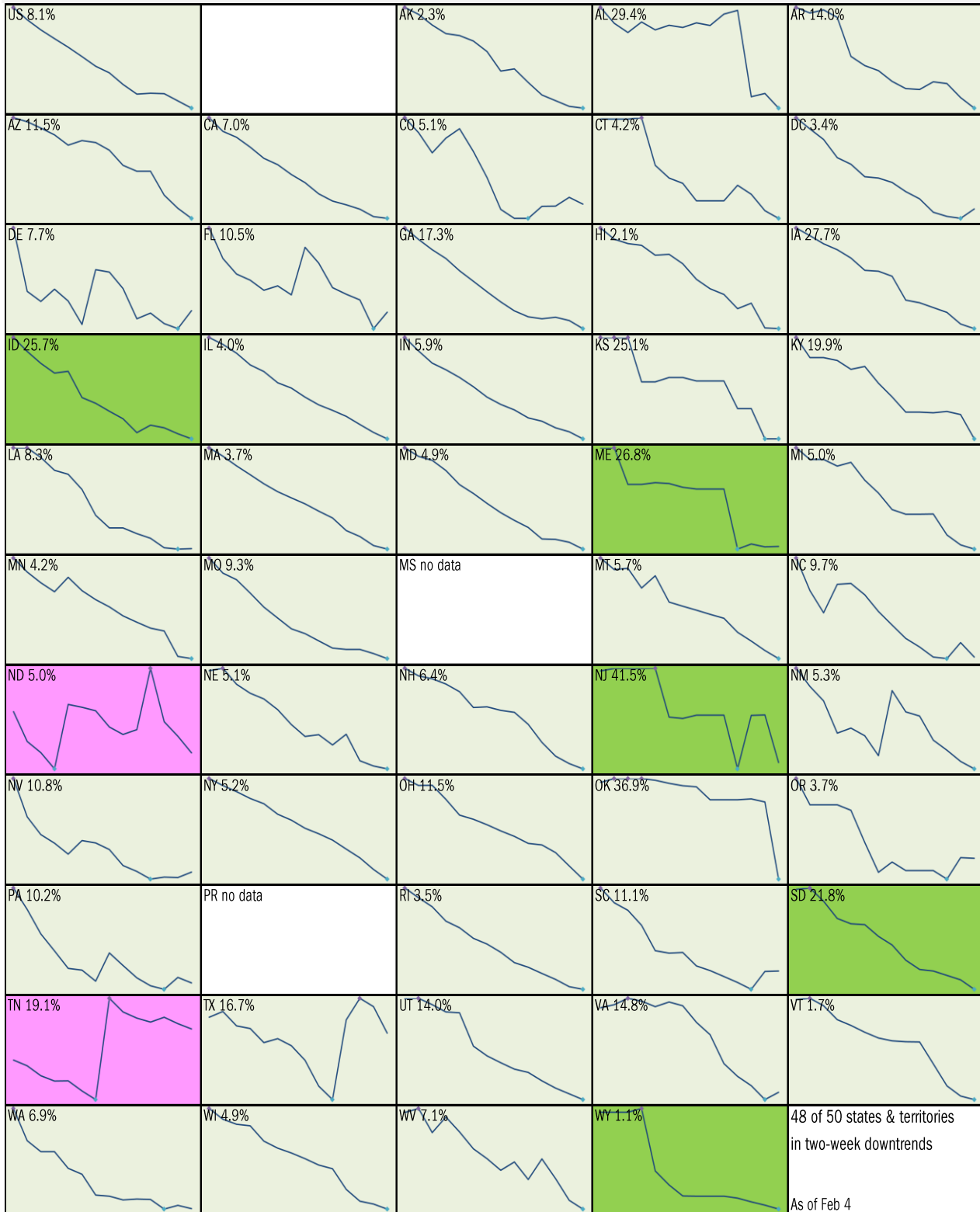


Source: [Covid Tracking Project](#), TrendMacro calculations

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

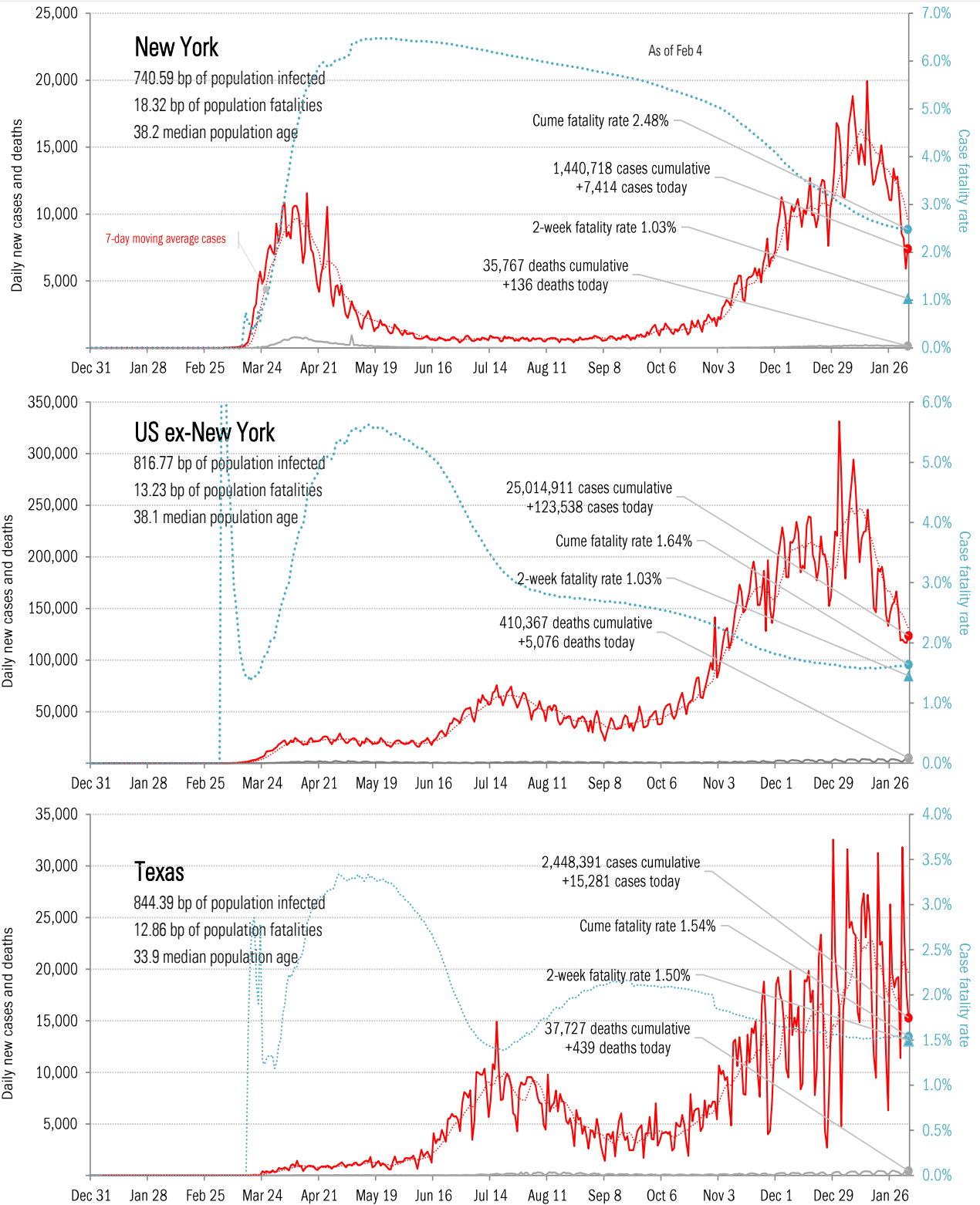
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



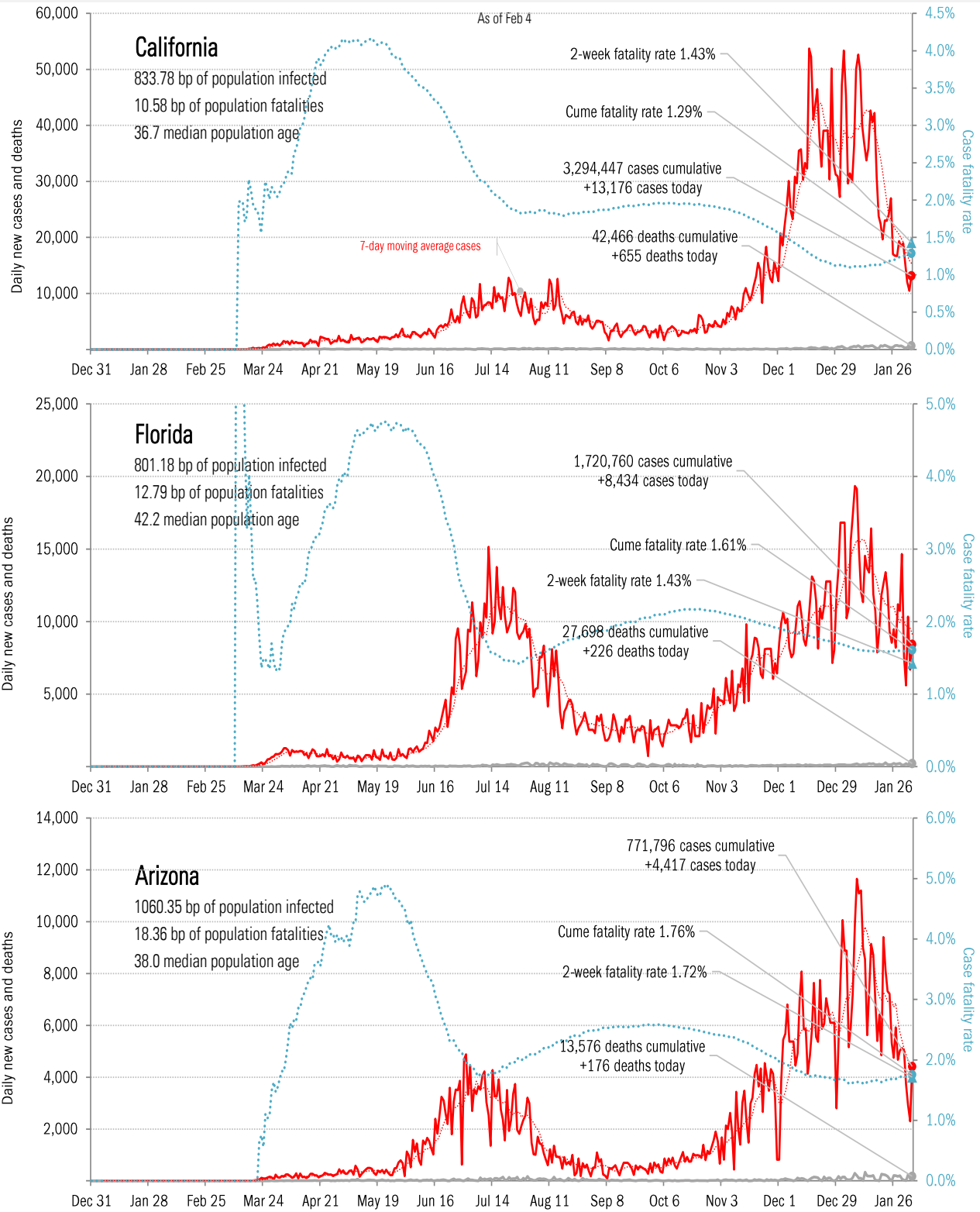
Source: [Covid Tracking Project](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



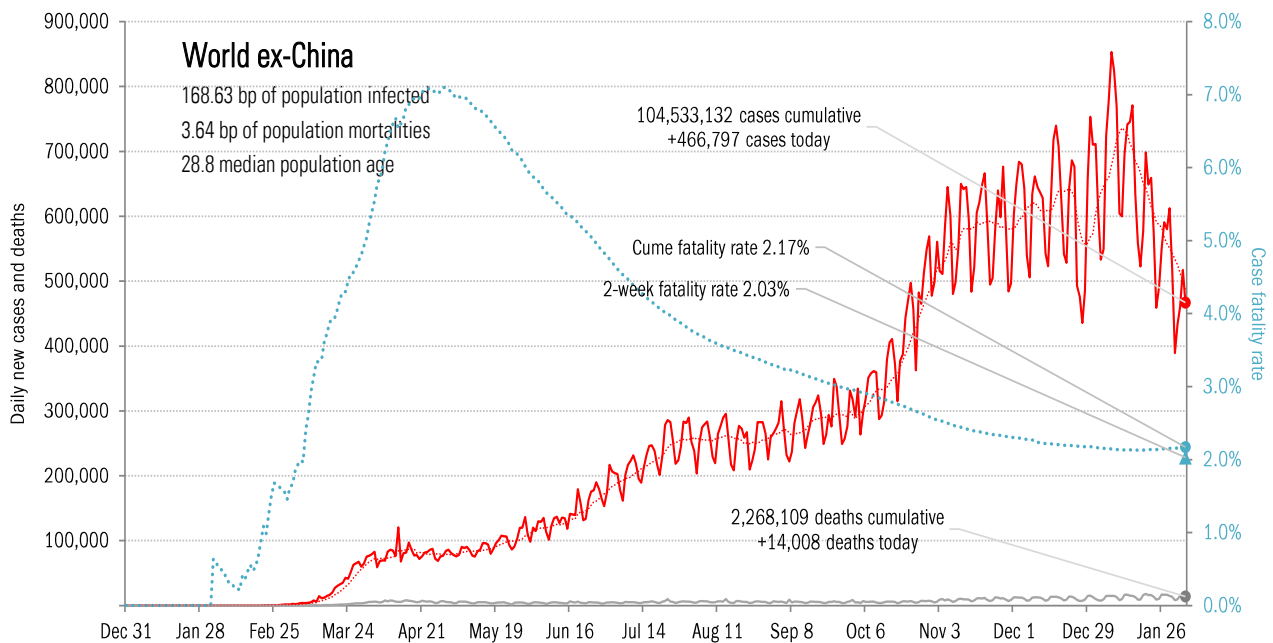
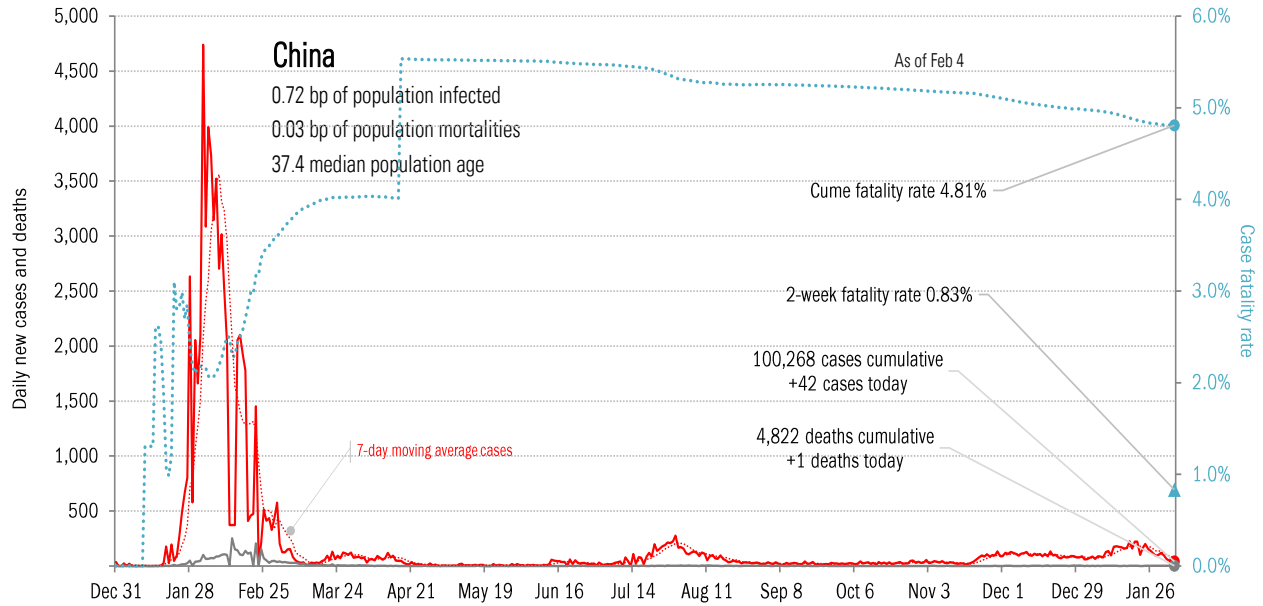
Source: [Covid Tracking Project](#), TrendMacro calculations

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



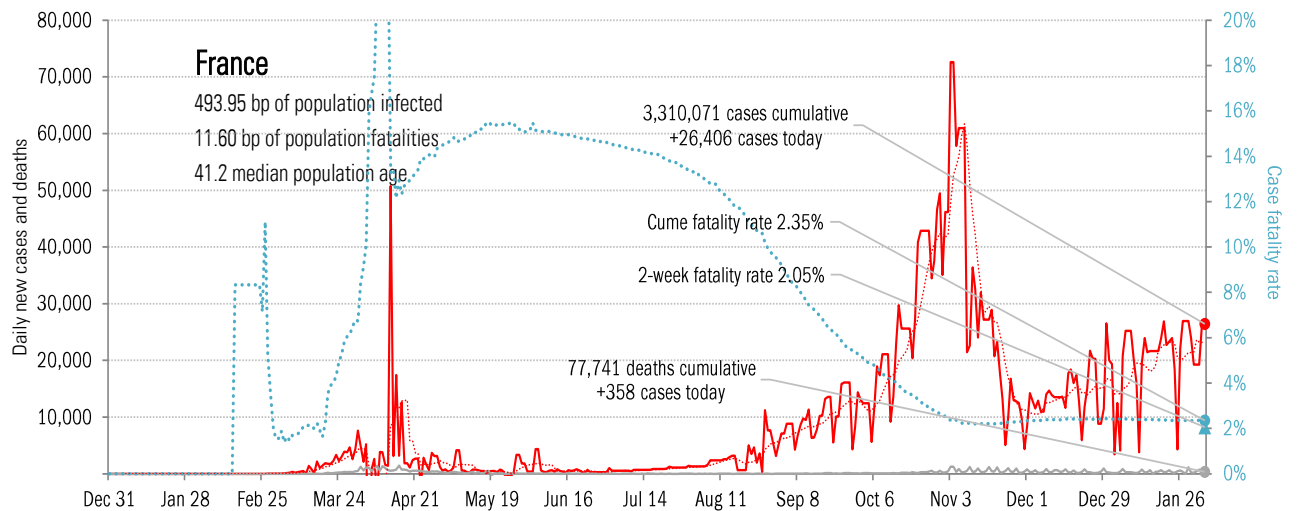
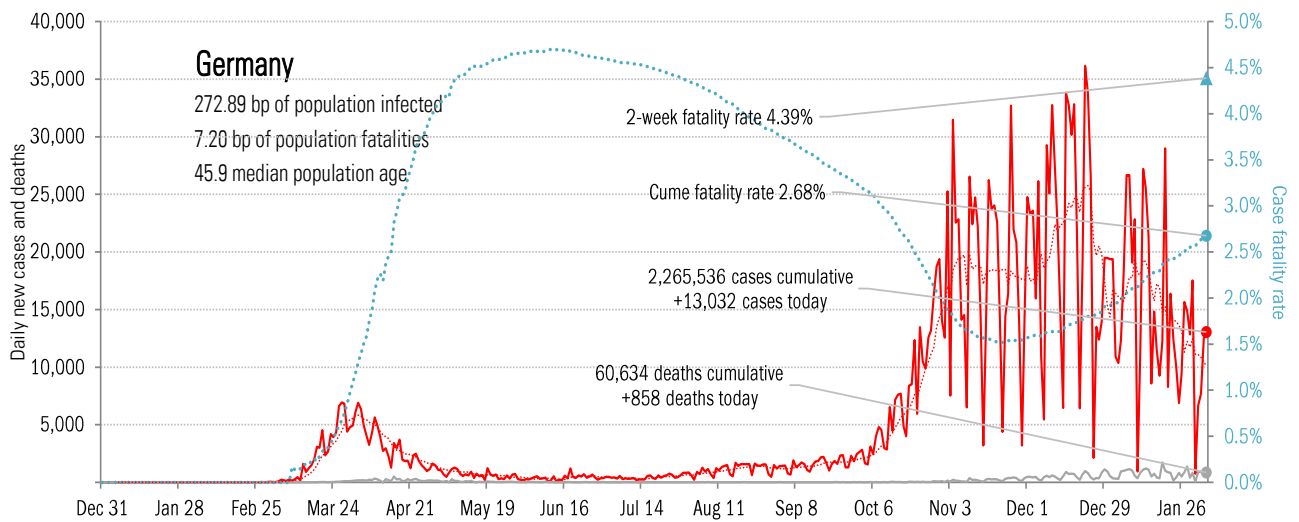
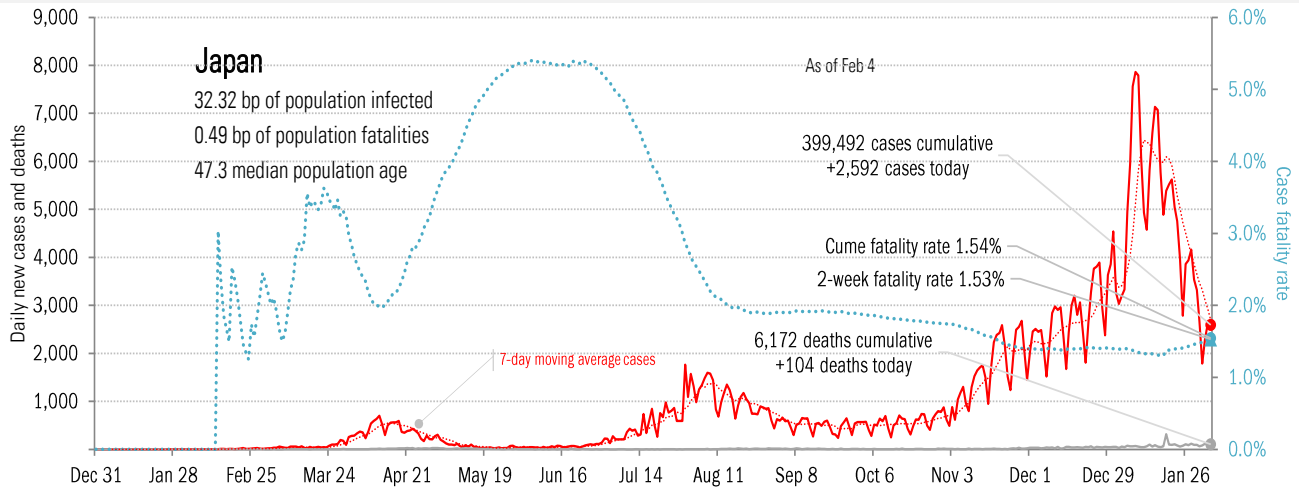
Source: [Covid Tracking Project](#), TrendMacro calculations

# Patient zero... and then everyone else



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

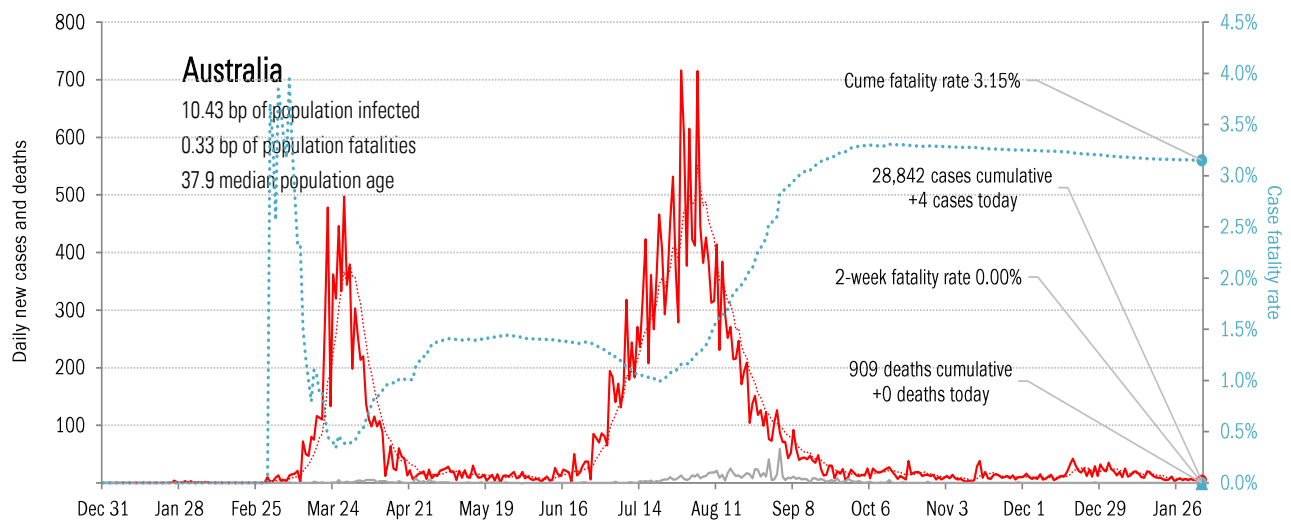
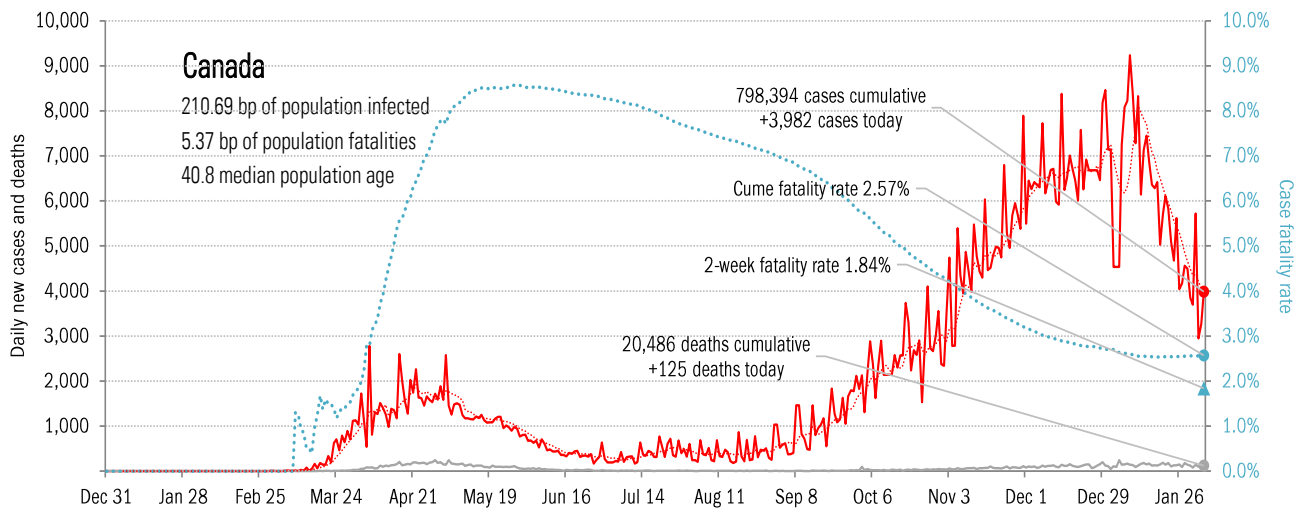
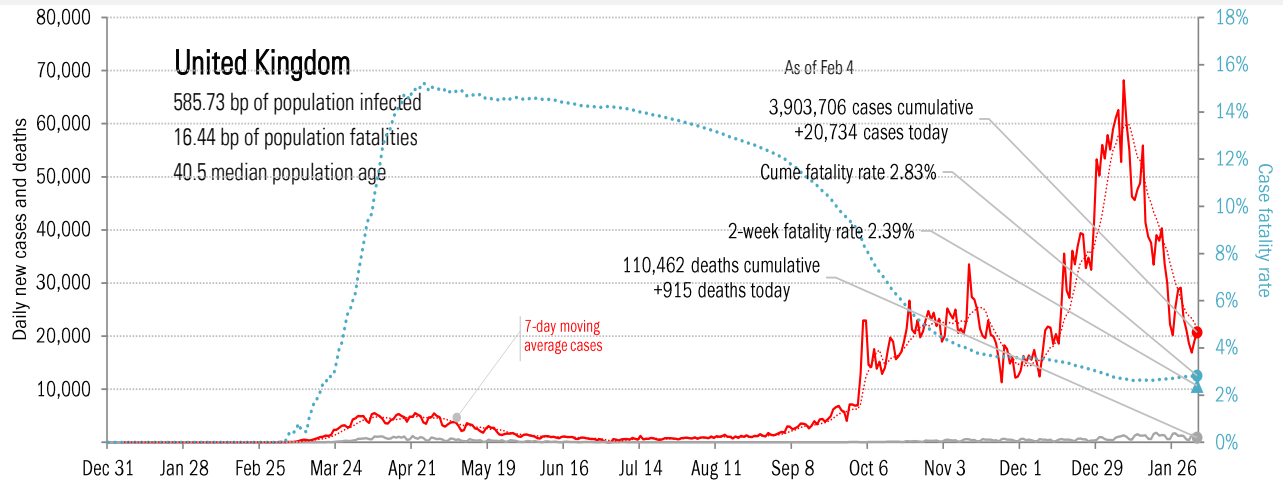
# Impact in the largest economies



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

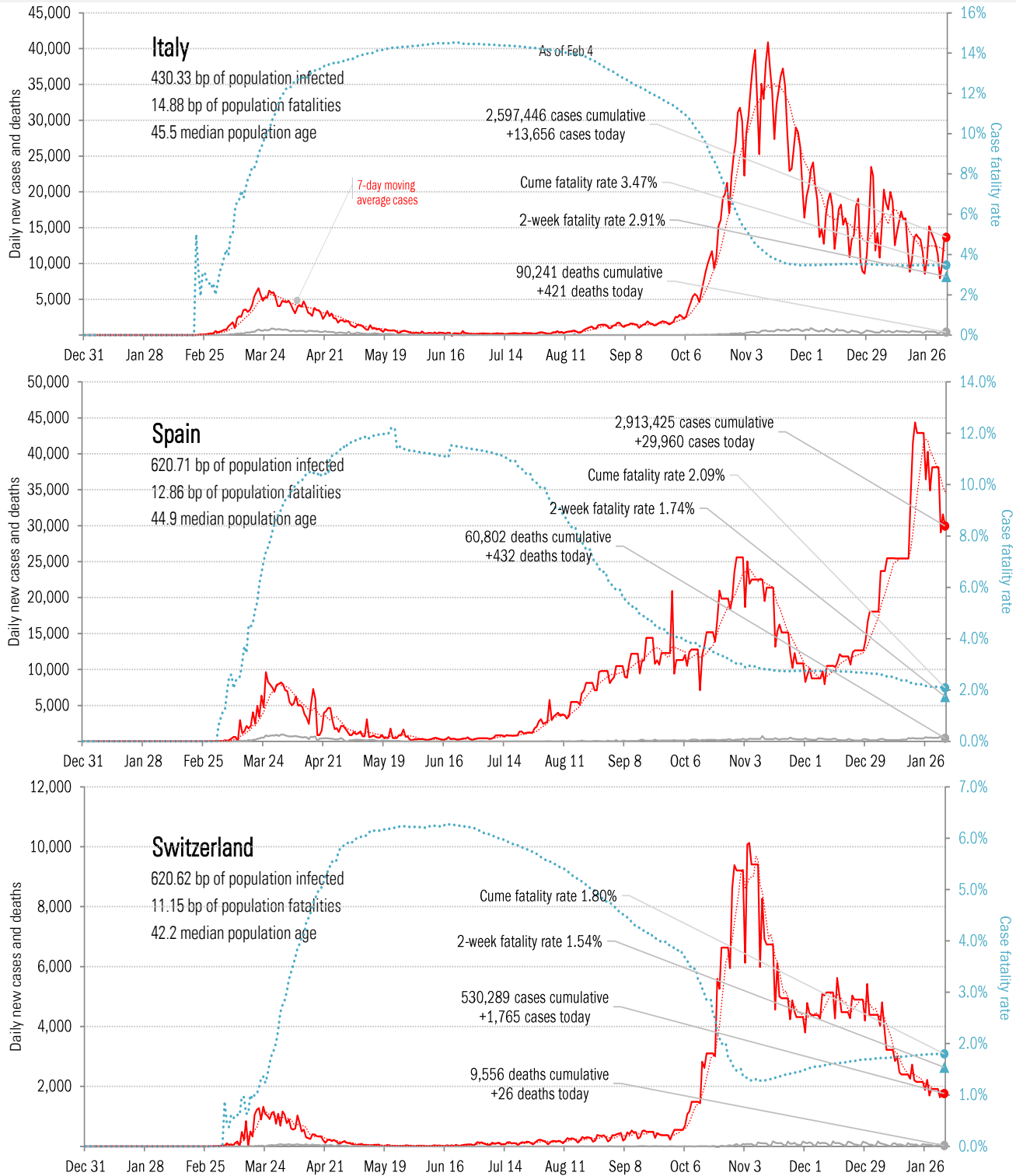


# Impact in The Anglosphere



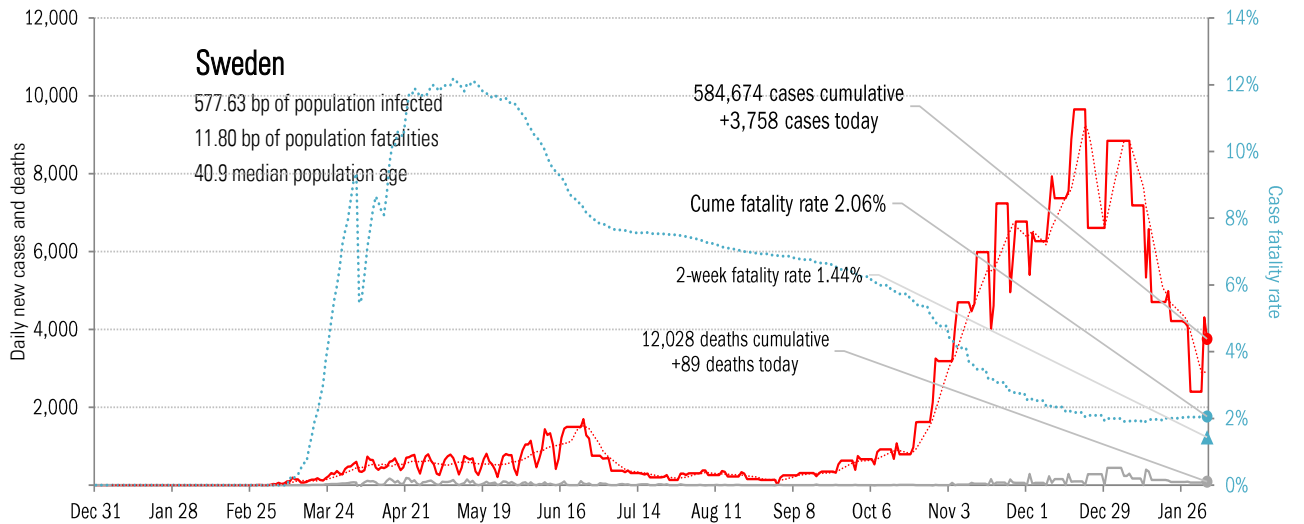
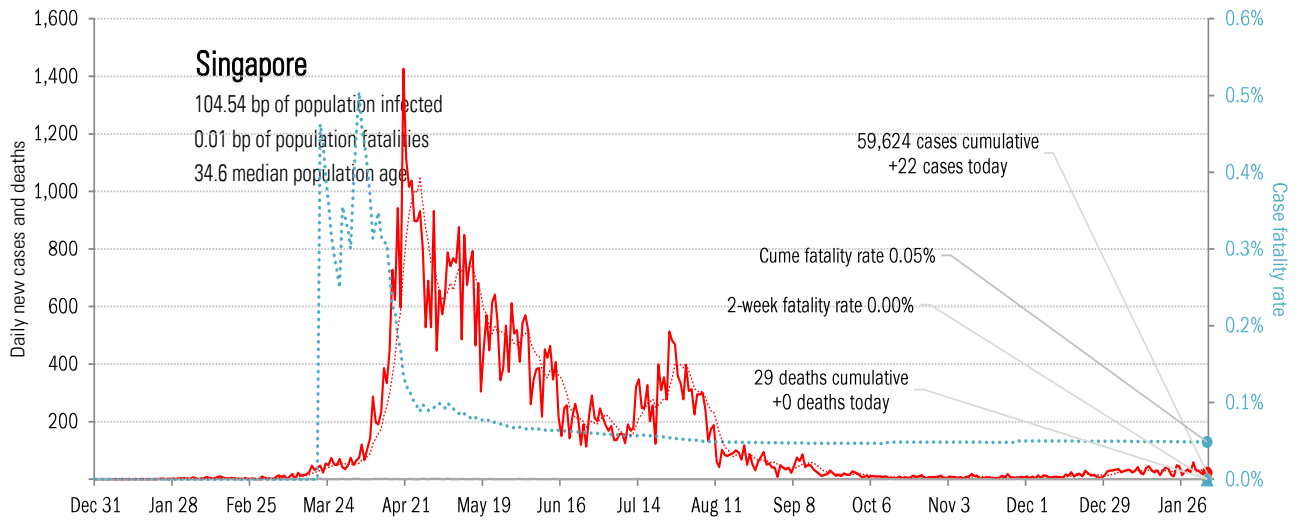
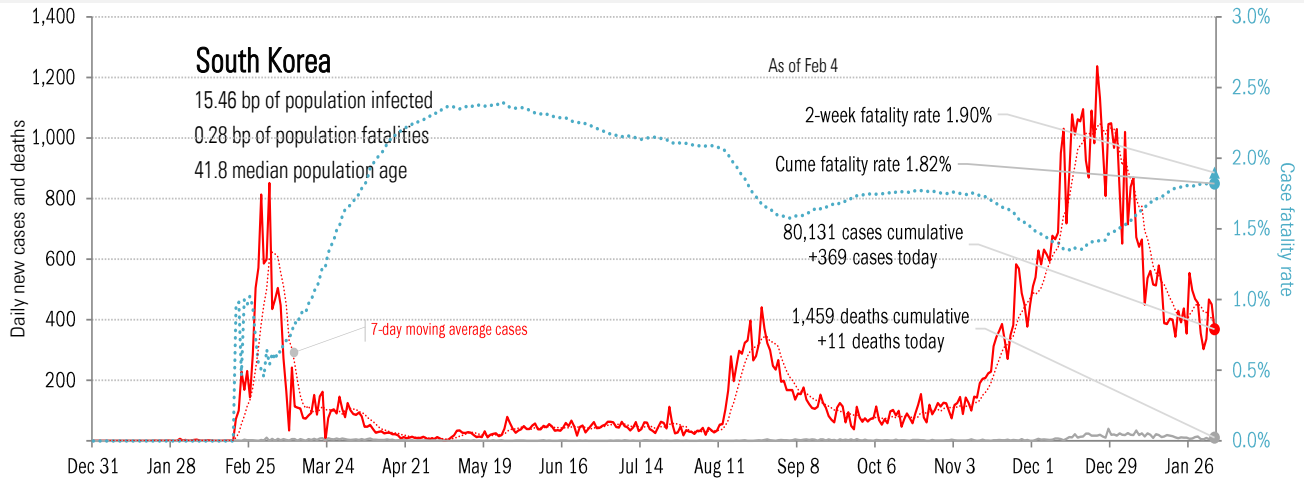
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe



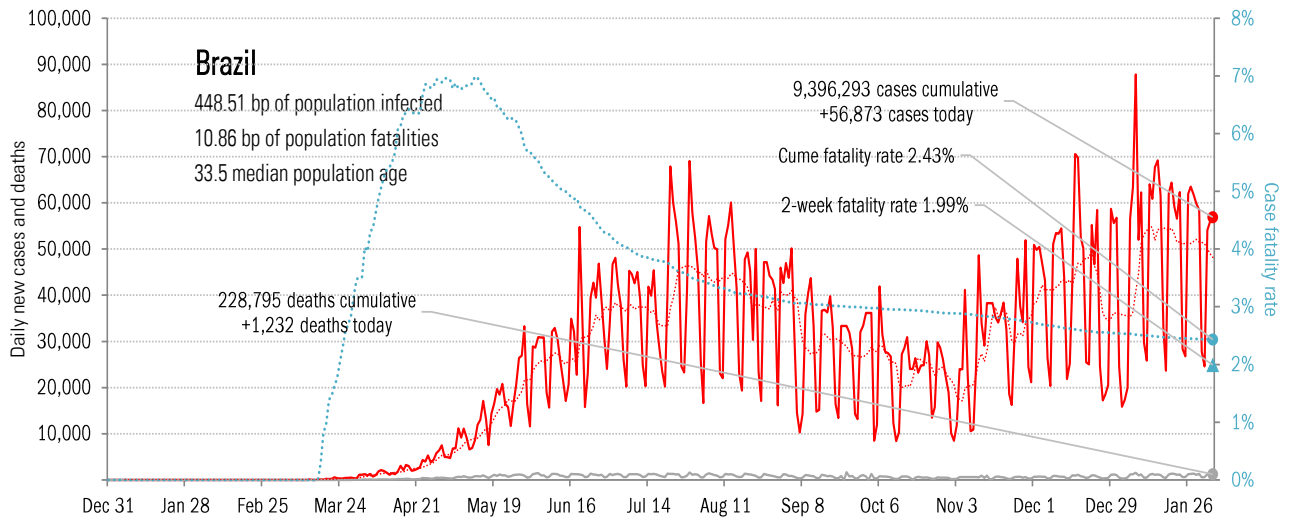
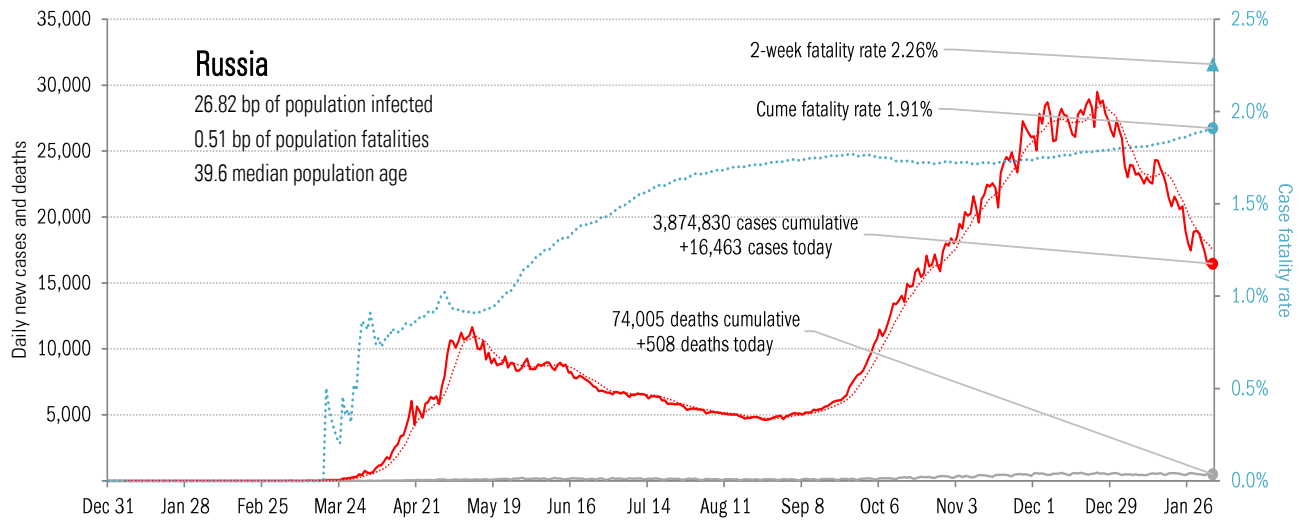
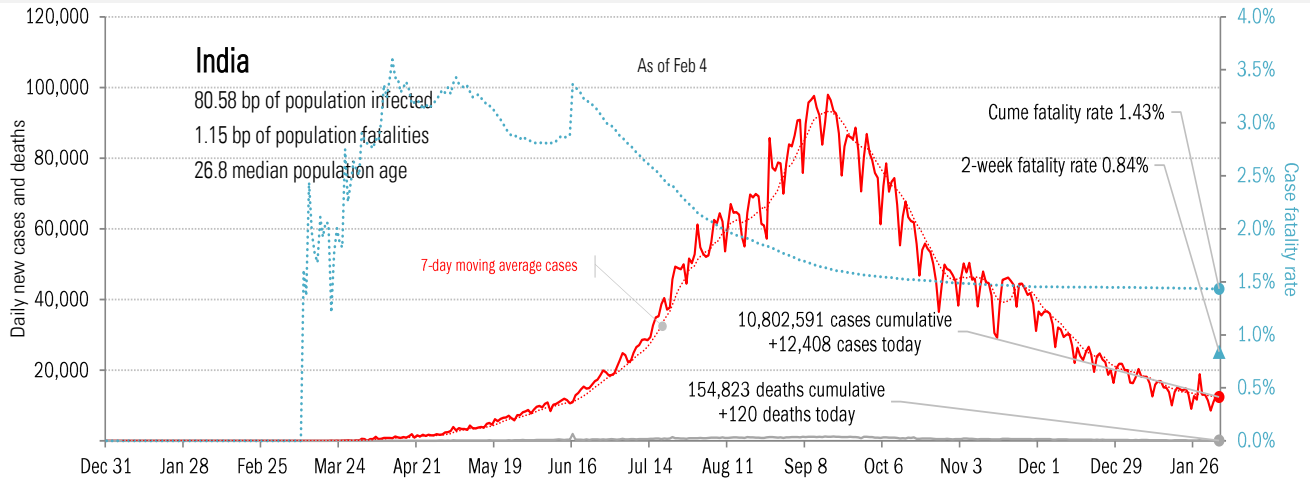
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



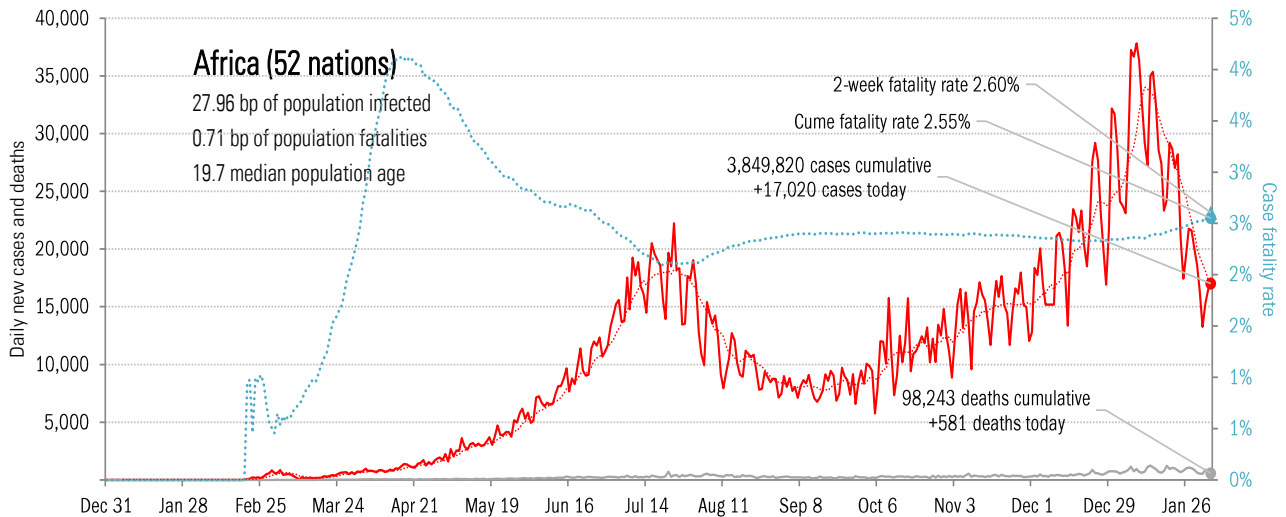
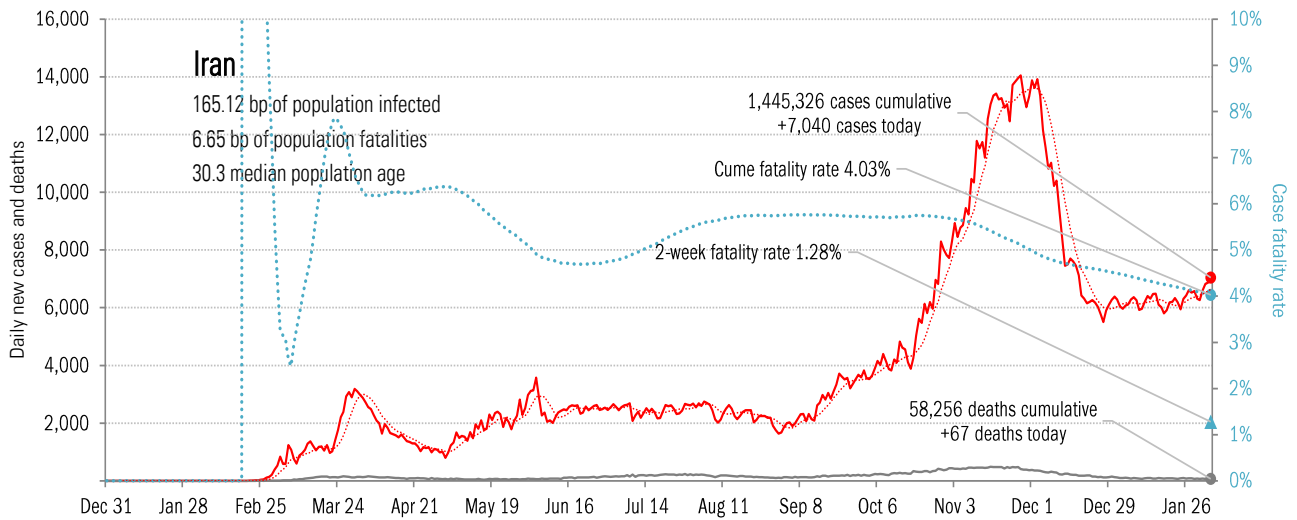
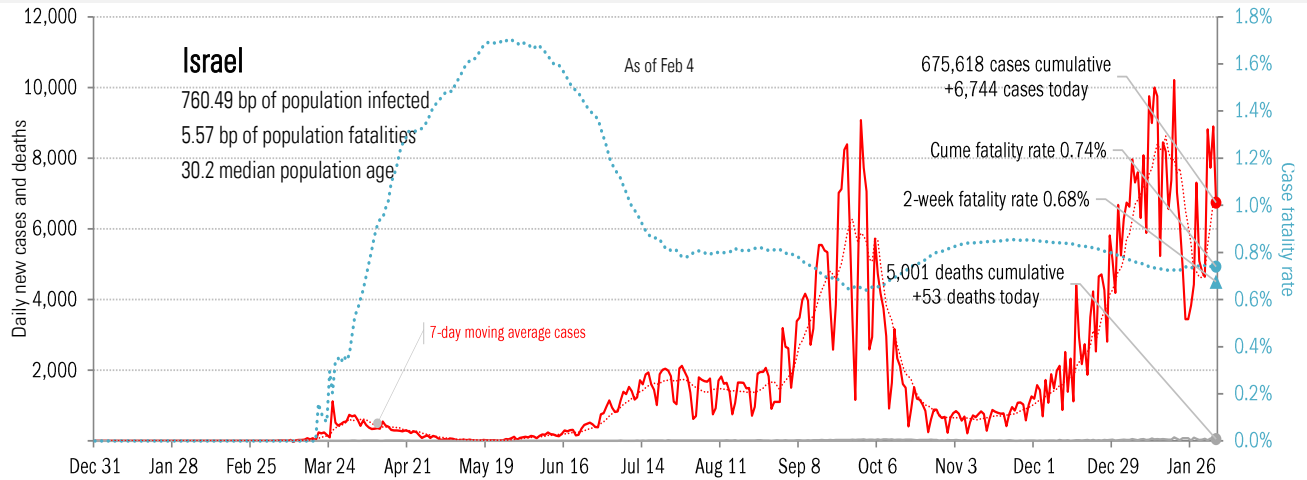
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



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

# Impact in the Middle East and Africa



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