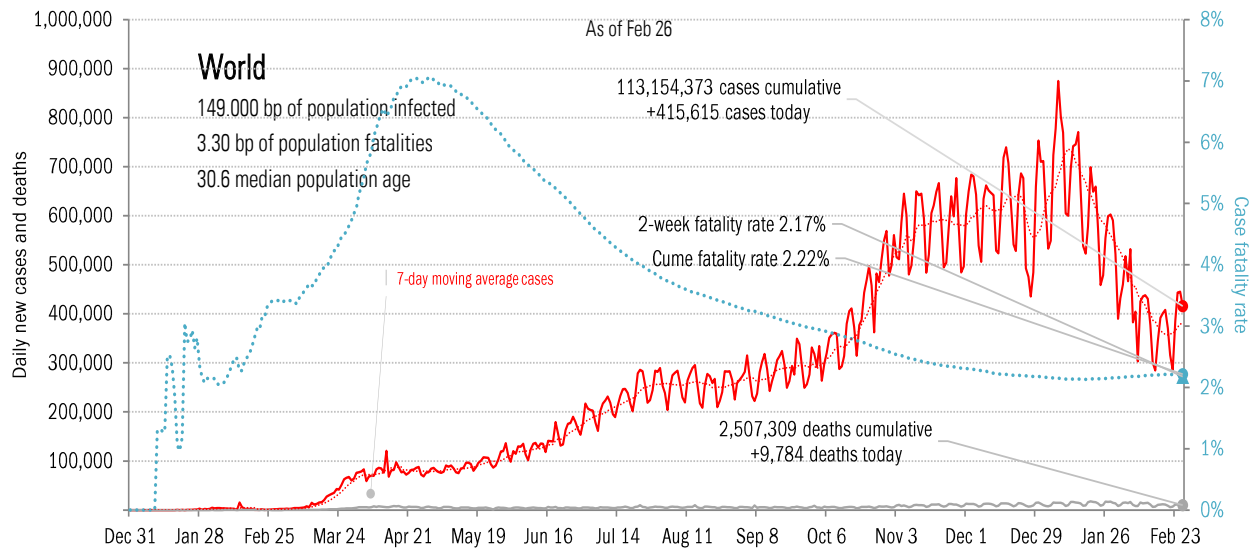
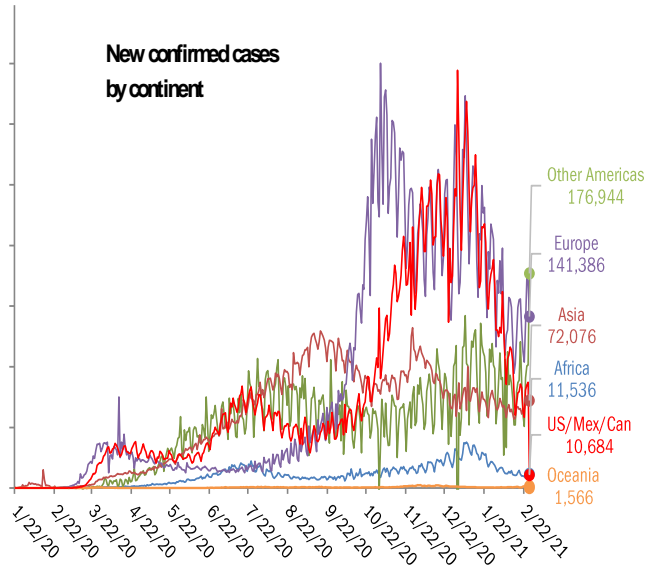


## Data Insights: Covid-2019 Monitor

Saturday, February 27, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+74,429	United States	+2,137
Brazil	+65,169	Brazil	+1,337
Italy	+20,488	Mexico	+782
India	+16,488	Germany	+596
Peru	+15,564	Russia	+419
Czechia	+14,612	Peru	+411
Poland	+11,536	United Kingdom	+345
Russia	+10,955	Spain	+329
Germany	+9,437	Indonesia	+268
Turkey	+9,205	Poland	+259
<b>+247,883</b>		<b>+6,883</b>	
World	+415,615	World	+9,784
Topten	60%	Topten	70%



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

#### For more information contact us:

Donald Luskin: 312 273 6766 [don@trendmacro.com](mailto:don@trendmacro.com)

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

# The US scorecard

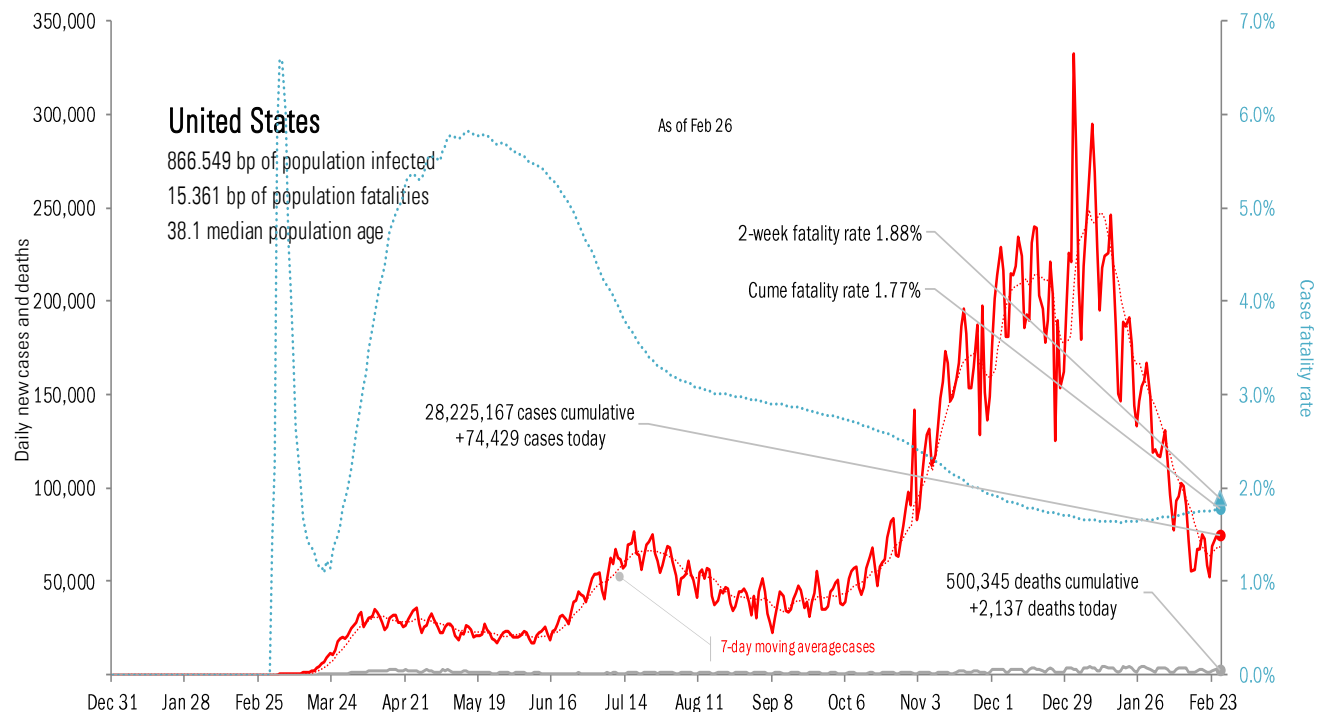
## The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
NY	+8,204		CA	+391		TN	+293		CA	3,465,726		CA	51,382		NY	89,995		TX	93%	DC	86%
TX	+7,955		TX	+290		KS	+44		TX	2,629,136		TX	42,575		FL	80,238		RI	88%	AL	85%
FL	+5,783		VA	+234		OK	+35		FL	1,863,453		NY	38,321		NJ	63,560		MA	81%	TX	84%
CA	+5,400		FL	+144		MI	+20		NY	1,614,724		FL	31,162		AZ	57,460		DC	81%	RI	82%
NJ	+3,870		NY	+94		WA	+14		IL	1,183,667		PA	23,937		GA	55,778		MO	81%	DE	82%
GA	+3,434		AZ	+83		MO	+12		GA	1,000,822		NJ	23,192		CH	50,118		CT	80%	MO	82%
PA	+3,346		PA	+69		NE	+6		CH	964,380		IL	22,675		AL	45,428		PA	80%	GA	81%
NC	+2,924		IL	+68		UT	+6		PA	926,336		GA	17,219		IN	42,708		MD	80%	OK	81%
IL	+2,441		CH	+58		RI	+5		NC	855,905		CH	17,183		MD	34,848		FL	80%	FL	81%
MA	+1,987		TN	+56		WY	+5		AZ	814,528		MI	16,438		VI	26,013		SC	79%	AK	79%
+45,344			+1,487			+440			15,318,677			284,084			546,146						
All states	+74,429		+2,137			-1553			All states	28,225,167		500,345			865,690			All states	79%		72%
Top ten	61%		70%			-28%			Top ten	54%		57%			63%			Median	72%		70%

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
SC	-753	CA	-723	TX	-525	TX	+13,273
FL	-736	GA	-115	CA	-124	CH	+3,245
NY	-542	WI	-53	IN	-111	PA	+3,011
CH	-433	AL	-49	GA	-75	NM	+2,240
NC	-427	MI	-45	WI	-59	TN	+1,754

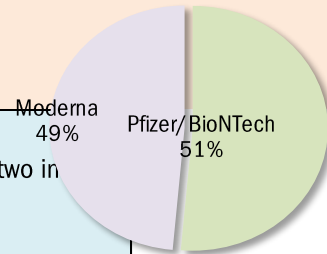


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US

US overall	Over last day
94.30 million doses distributed	+2.63 million/day
70.45 million doses administered	+2.18 million/day
47.18 million persons with one shot	+1.11 million/day
22.61 million persons with two shots	+1.06 million/day
6.93 million shots long-term care residents/staff	+0.12 million/day

**74.7% of distributed doses administered**  
**14.1% of US pop 1 shot**      **6.8% 2 shots**  
**100% of LTC 1 shot**      **52.0% 2 shots**



At today's dosing pace,  
every American will have two in  
**269 days**  
by Nov 21, 2021  
US will achieve herd immunity in  
**122 days**  
by Jun 28, 2021

State	Best	Middle	Worst
Shots given as % population			
Warning: 1st and 2nd doses not separated, resulting in double-counting			

AK
34.1%

ME
22.7%

WI
22.6%

VT
23.7%

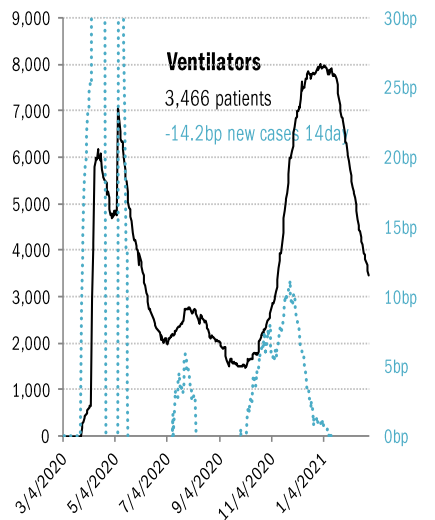
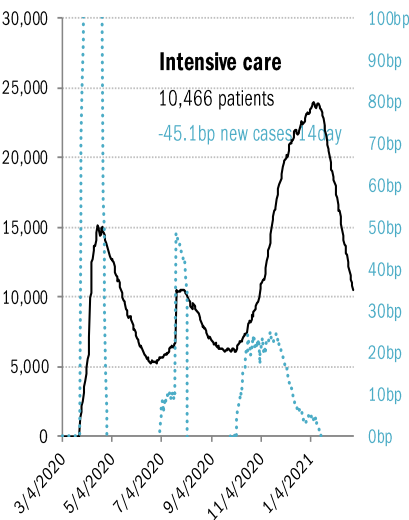
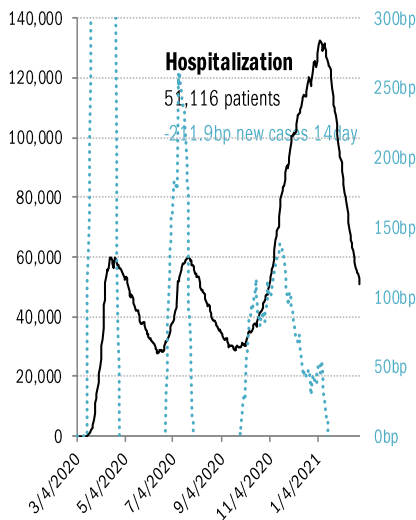
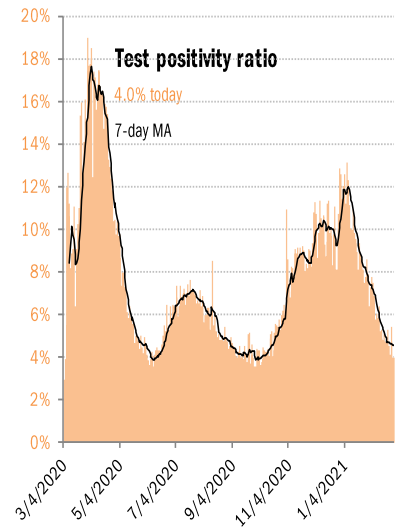
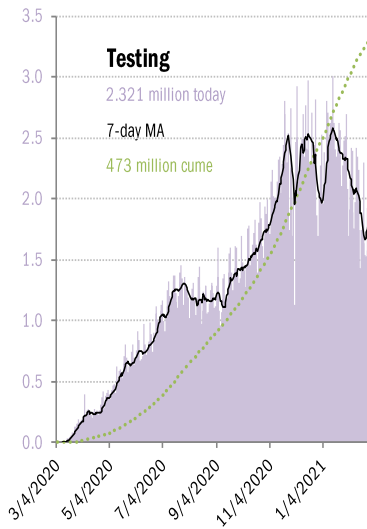
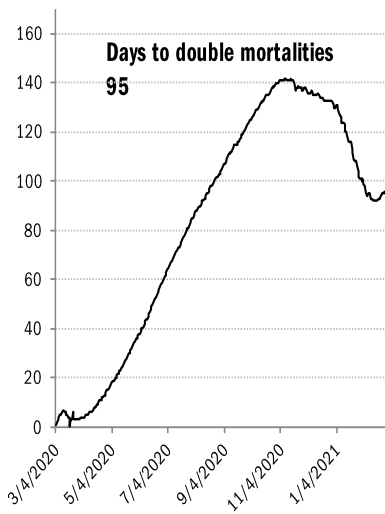
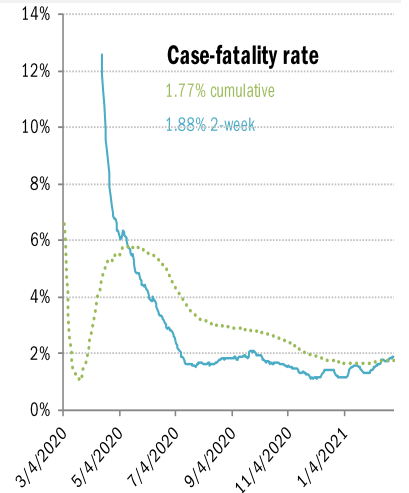
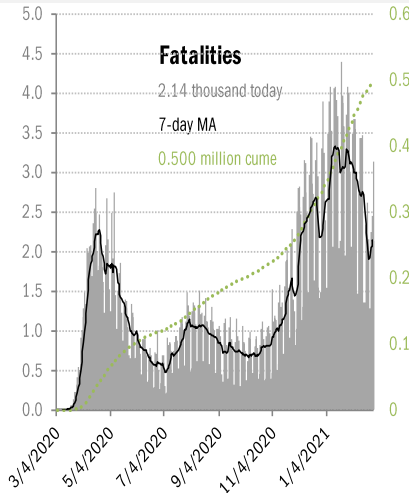
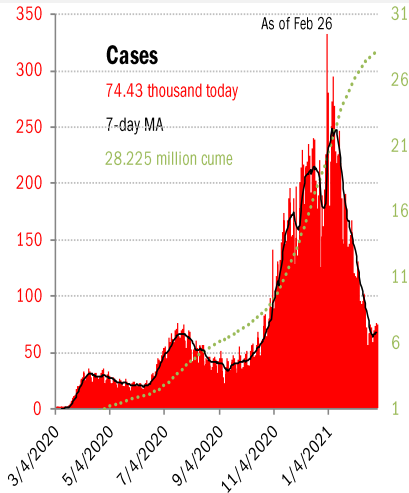
NH
21.4%

WA	ID	MT	ND	MN	IL	MI	NY	MA		
20.5%	20.0%	23.6%	26.8%	21.6%	19.9%	21.1%	19.9%	22.9%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
21.1%	20.2%	24.5%	28.3%	20.0%	21.7%	20.1%	19.4%	21.0%	26.0%	21.4%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
20.4%	20.6%	22.5%	21.8%	19.0%	20.3%	27.1%	21.7%	19.8%	20.1%	
AZ	NM	KS	AR	TN	NC	SC	DC			
22.1%	30.3%	18.6%	19.0%	17.7%	21.1%	19.4%	24.5%			
OK	LA	MS	AL	GA						
24.5%	20.3%	17.7%	17.6%	18.5%						
HI	TX	FL	PR							
24.6%	17.6%	21.4%	16.0%							

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

# US deep-dive

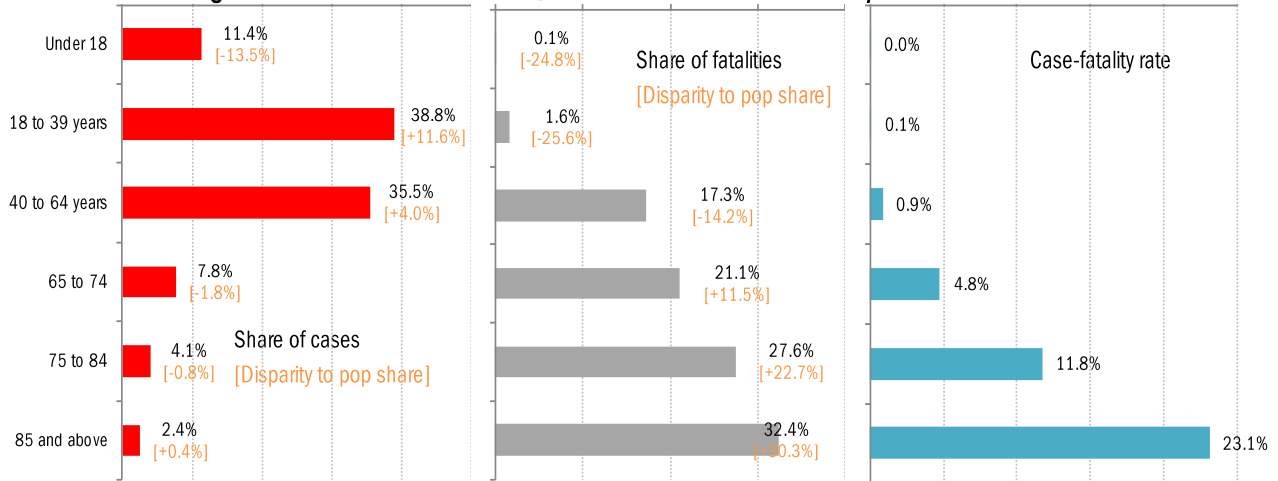
National and state-by-state data do not line up because of different sources



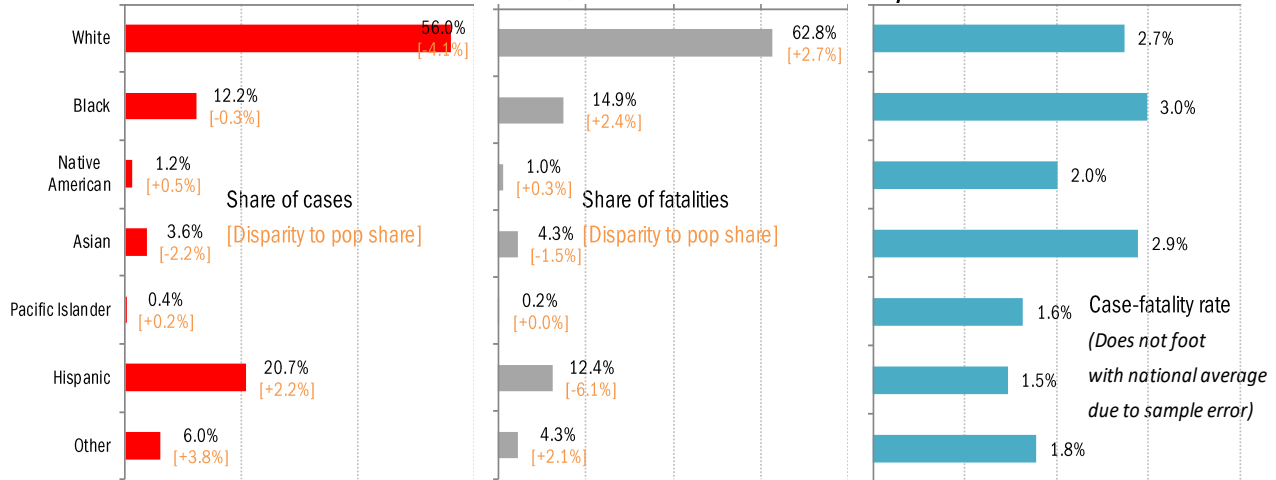
Source: [Covid Tracking Project](https://covidtracking.com), TrendMacro calculations

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

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

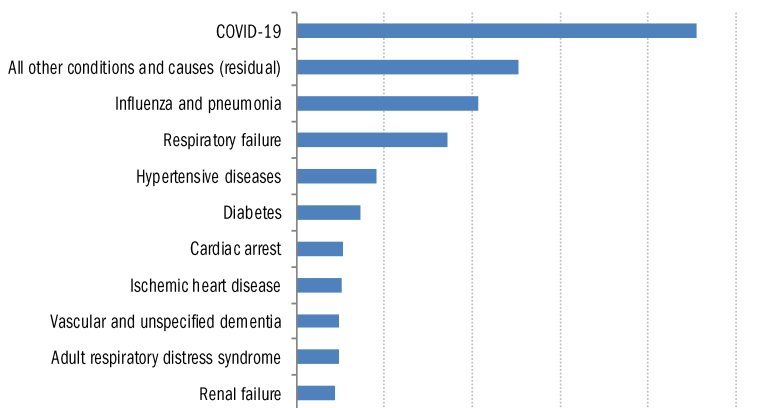


## Racial distribution of US cases, fatalities and case-fatality rates



## Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Feb 14

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 3.8 additional conditions or causes per death.

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

## Recommended reading

### [Federal Scientists Plead for Pandemic Controls as Infection Declines Stall](#)

Sheryl Gay Stolberg  
*New York Times*  
February 26, 2021

### [Clarifying the evidence on SARS-CoV-2 antigen rapid tests in public health responses to COVID-19](#)

Michael J Mina  
*The Lancet*  
February 17, 2021

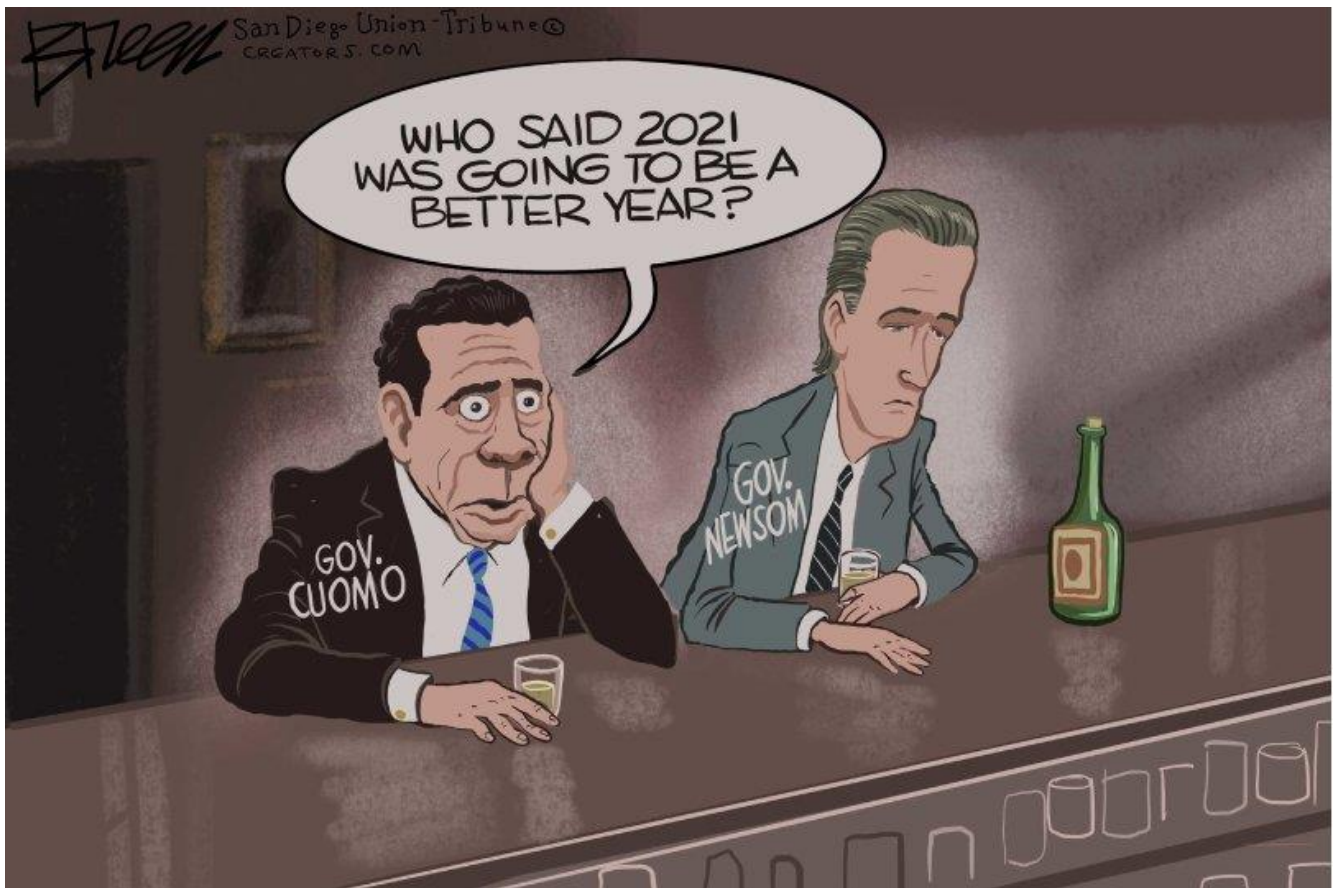
### [Is Hybrid Learning Killing Teaching?](#)

Robert Pondiscio  
*Education Next*  
February 26, 2021

### [Last songs - Paris to close its historical bird market](#)

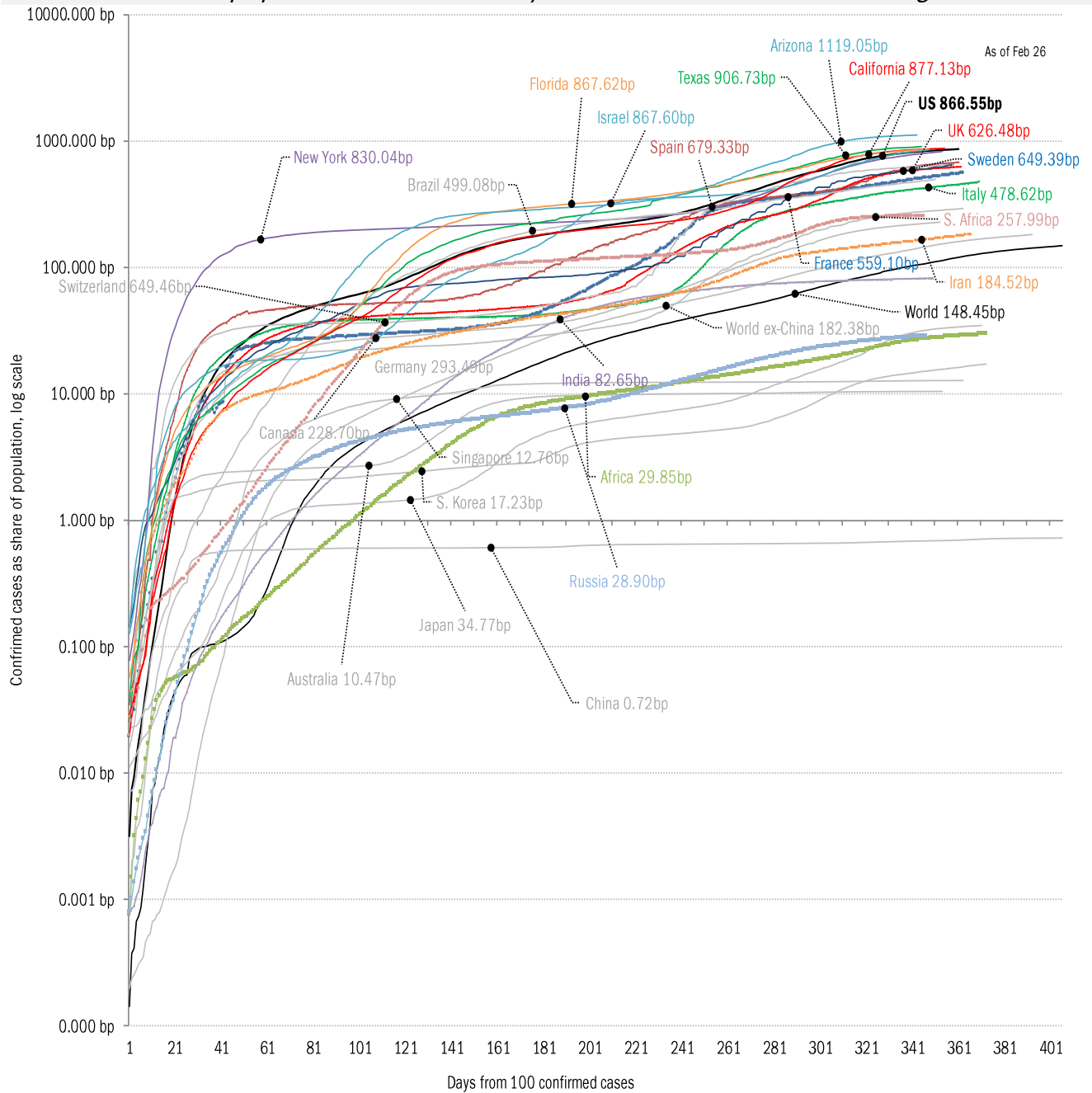
Michaela Cabrera  
*Reuters*  
February 25, 2021

## 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*

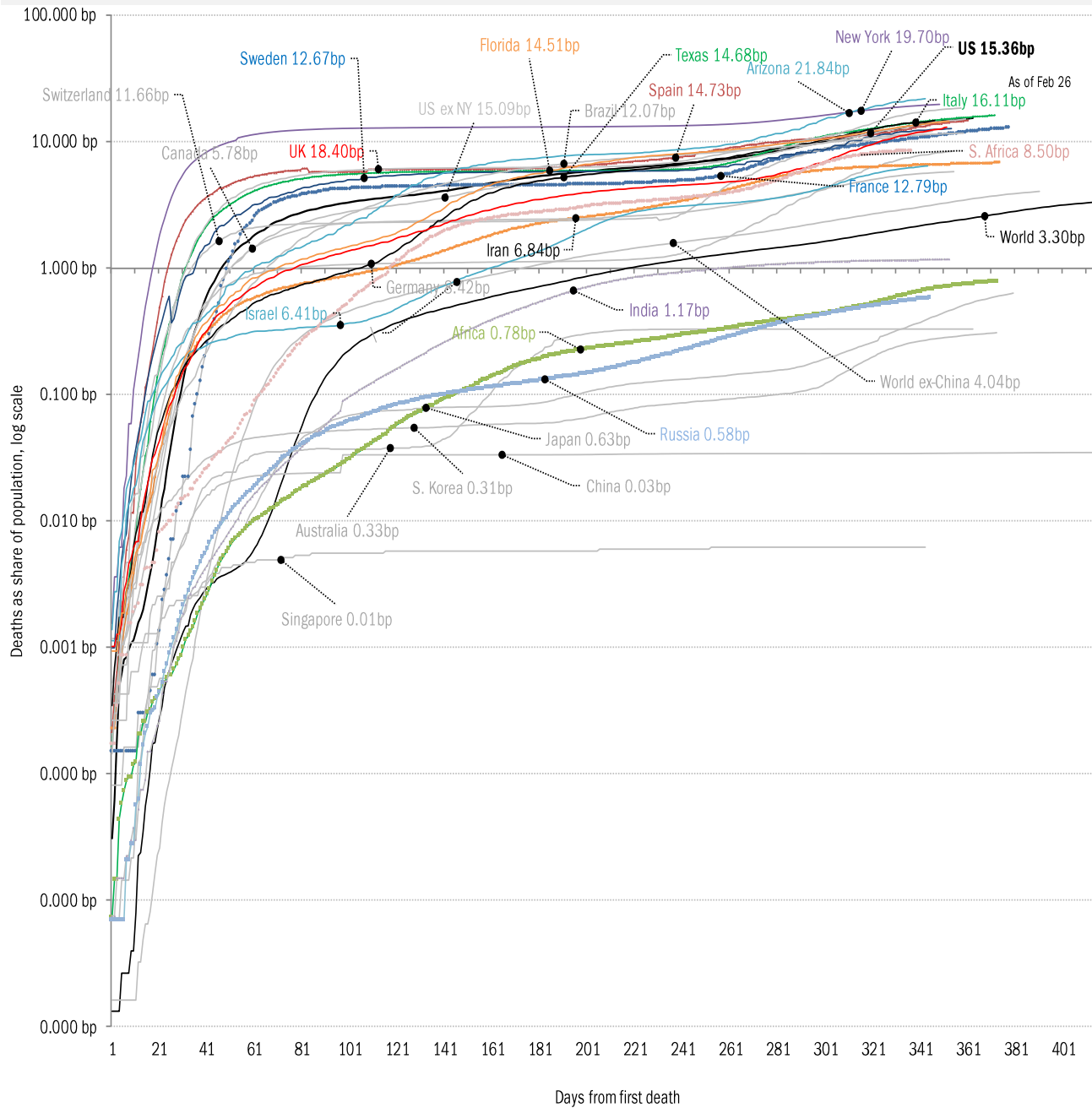


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



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

## Share of deceased population from day of first fatality



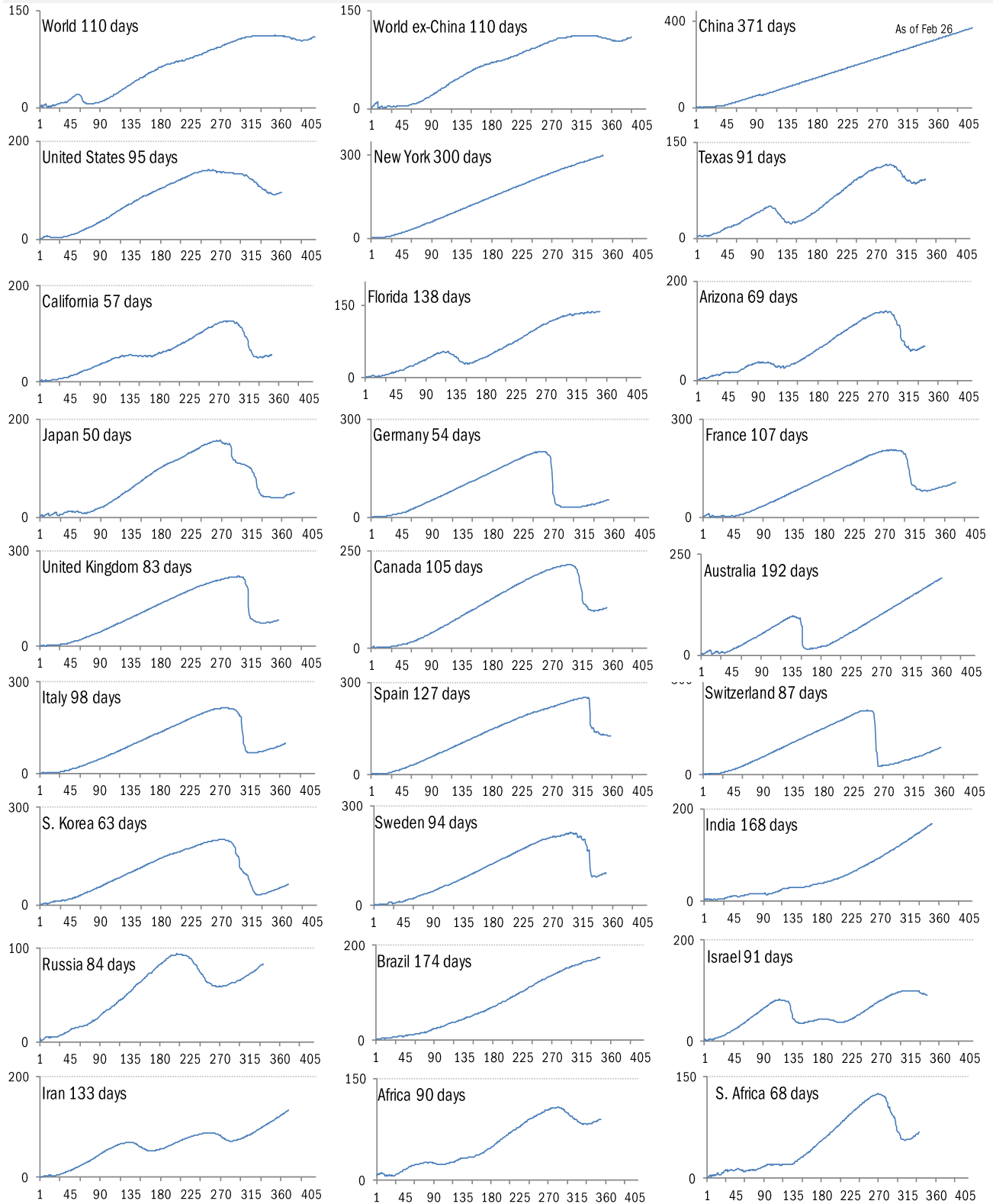
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



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

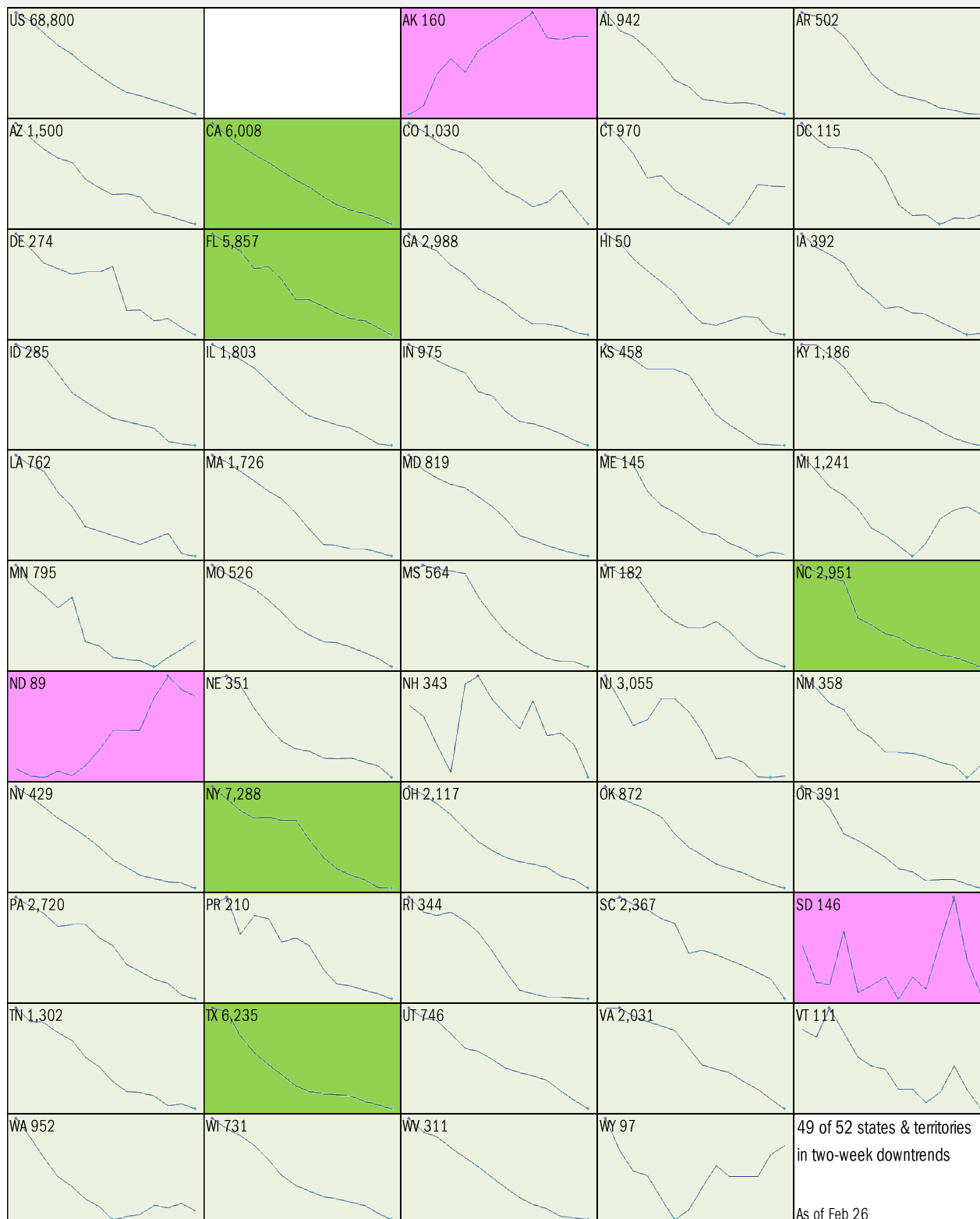
Vertical: days to double deaths Horizontal: days from first death

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

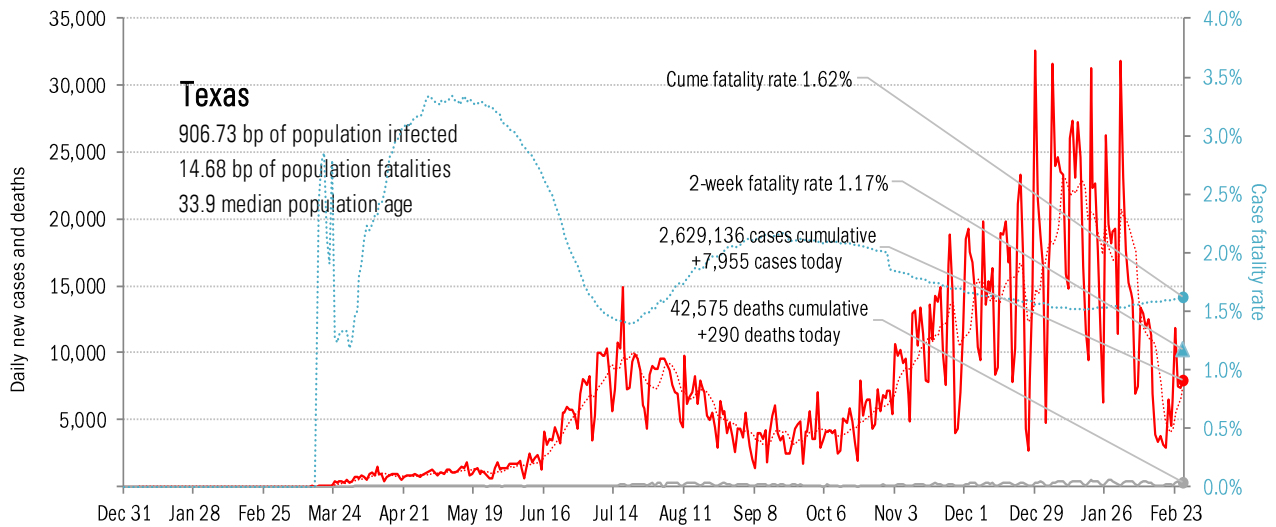
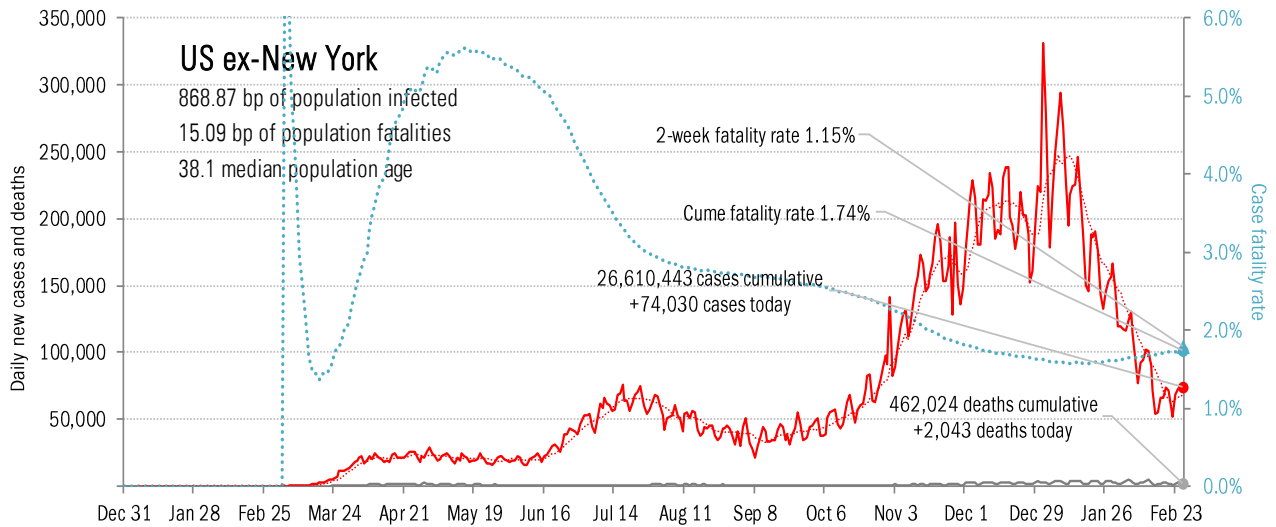
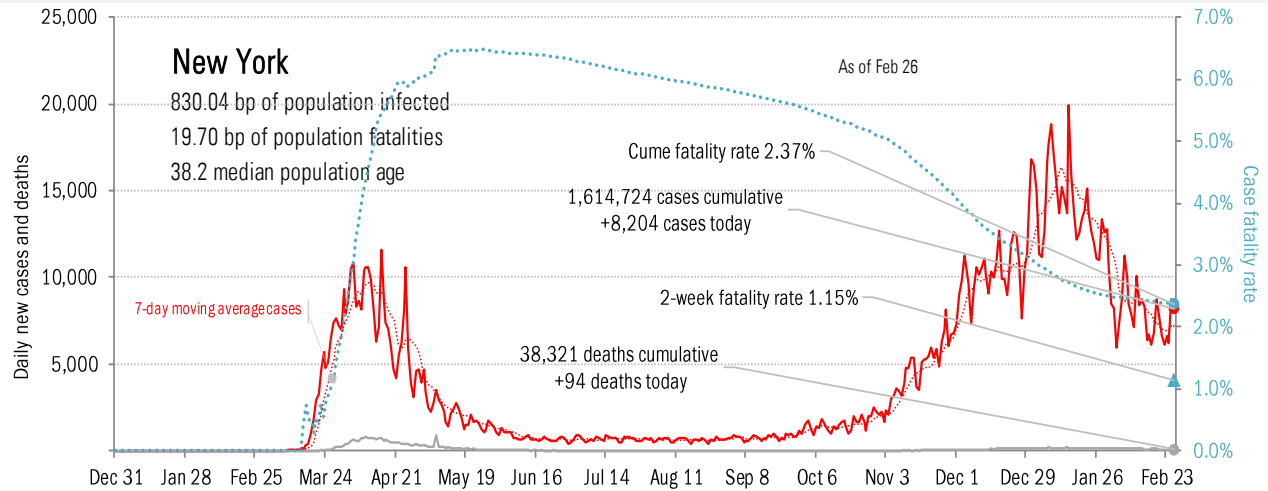
14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

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



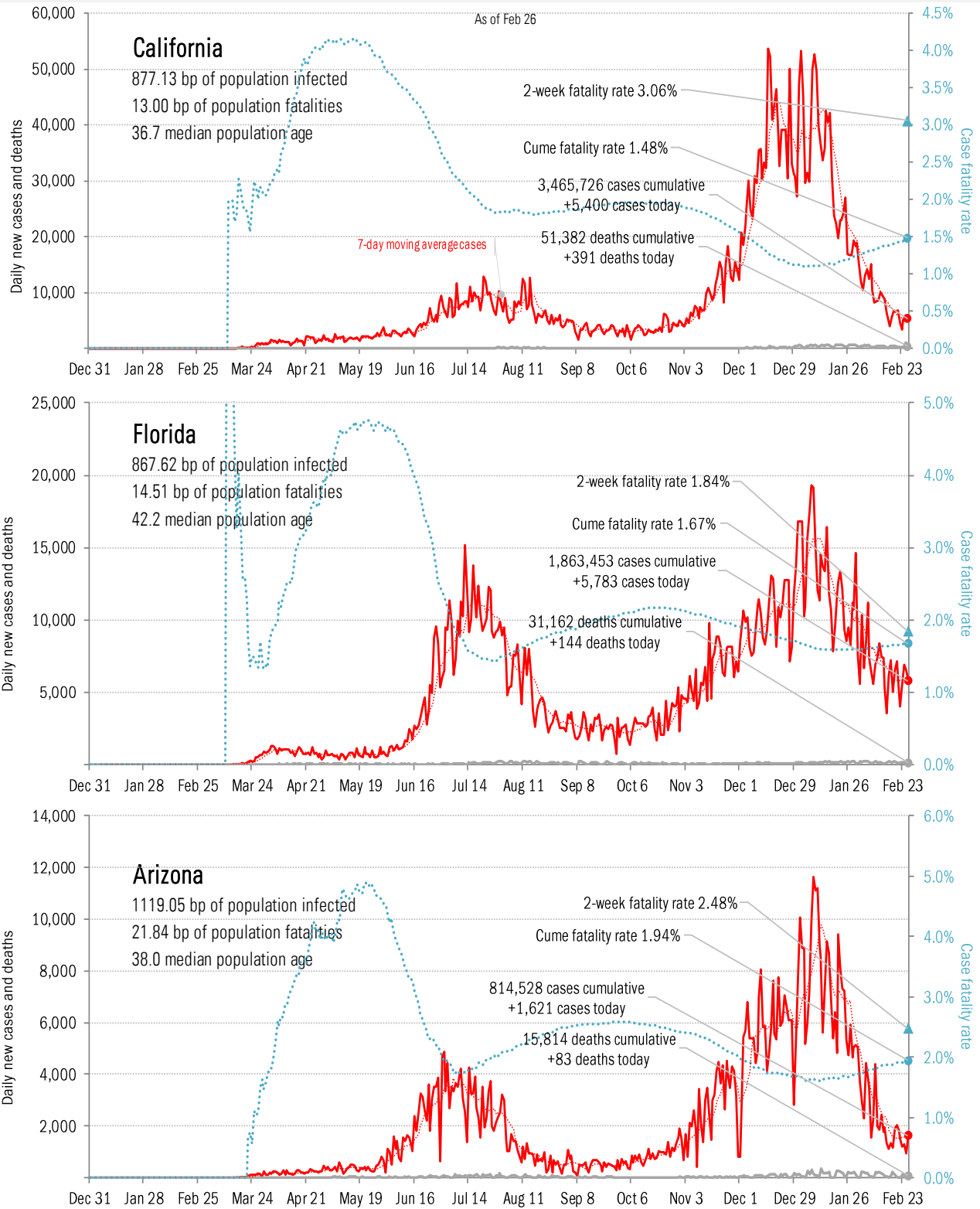
Source: [Covid Tracking Project](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



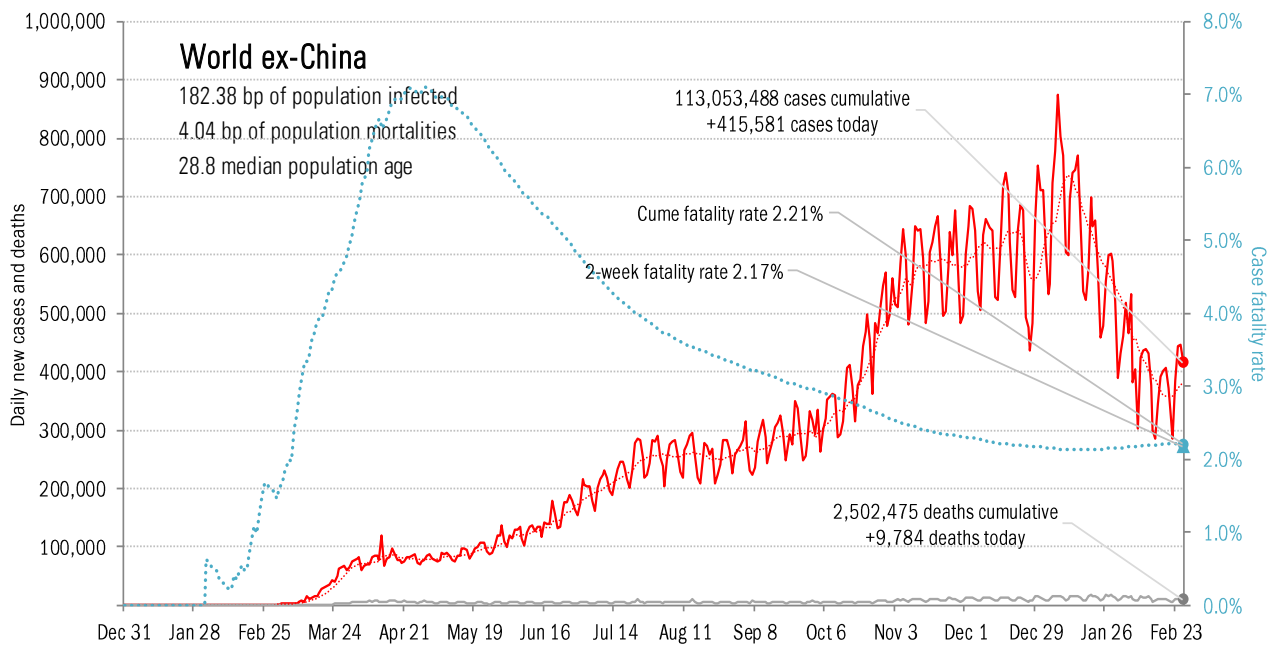
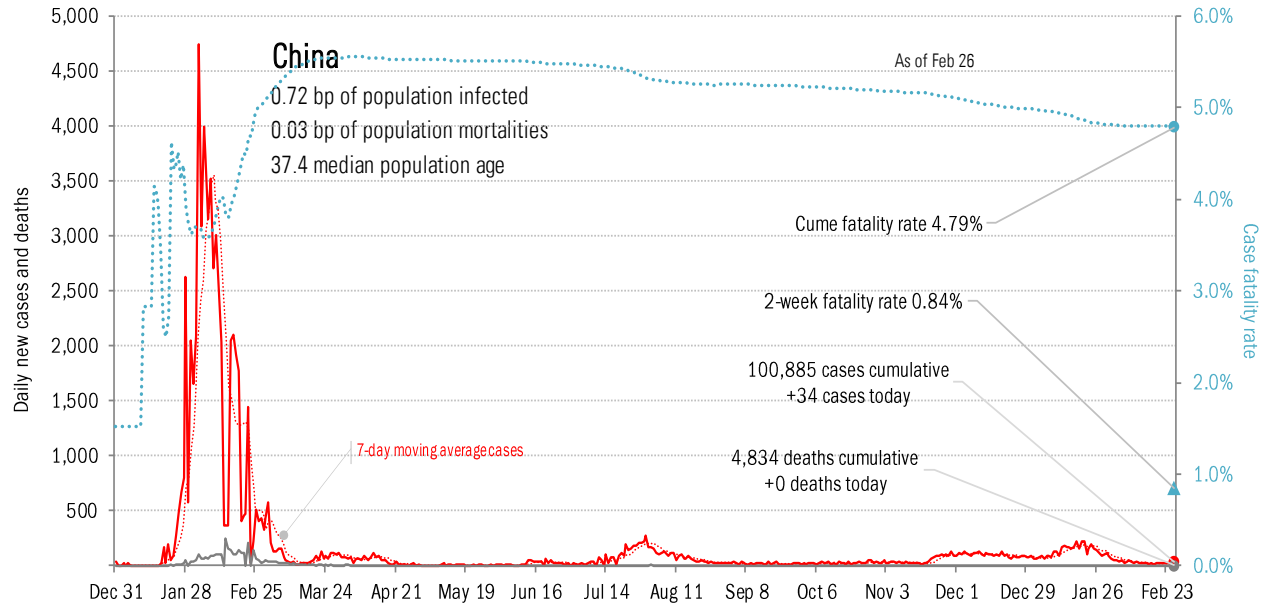
Source: [Covid Tracking Project](#), TrendMacro calculations

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



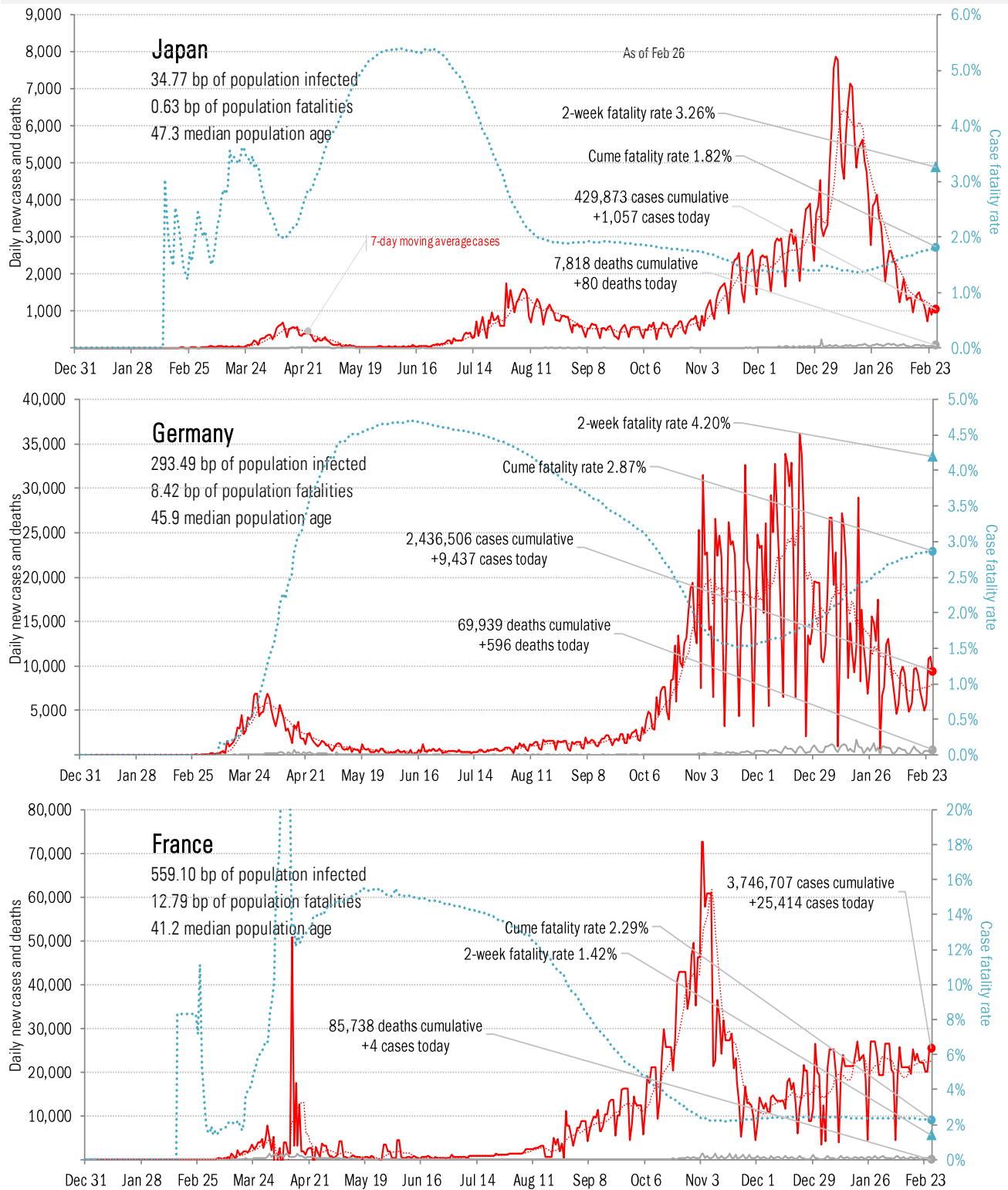
Source: [Covid Tracking Project](#), TrendMacro calculations

# Patient zero... and then everyone else



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

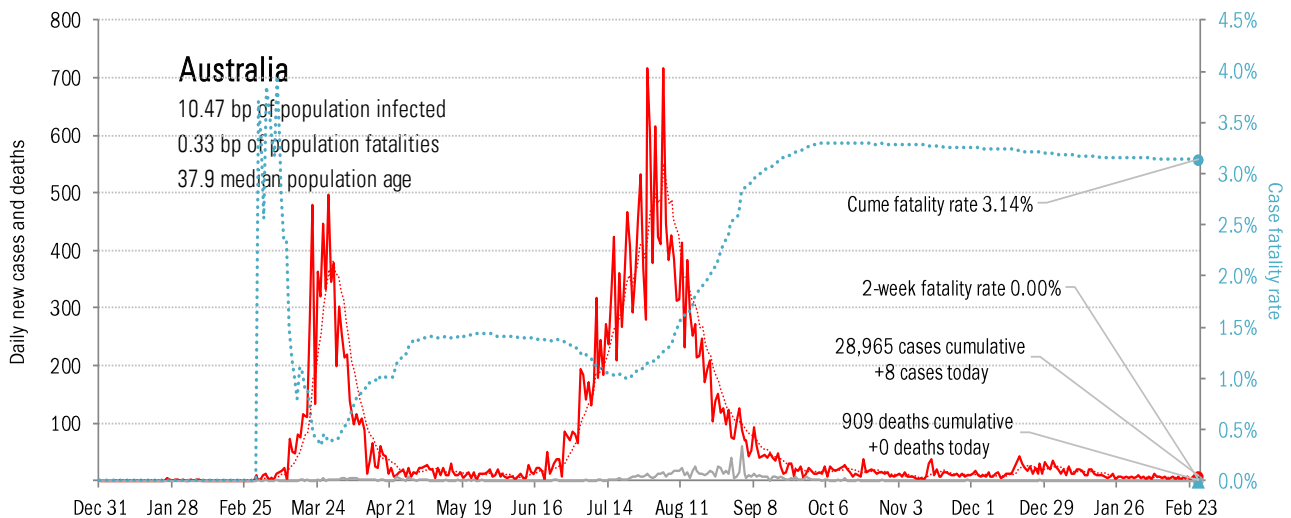
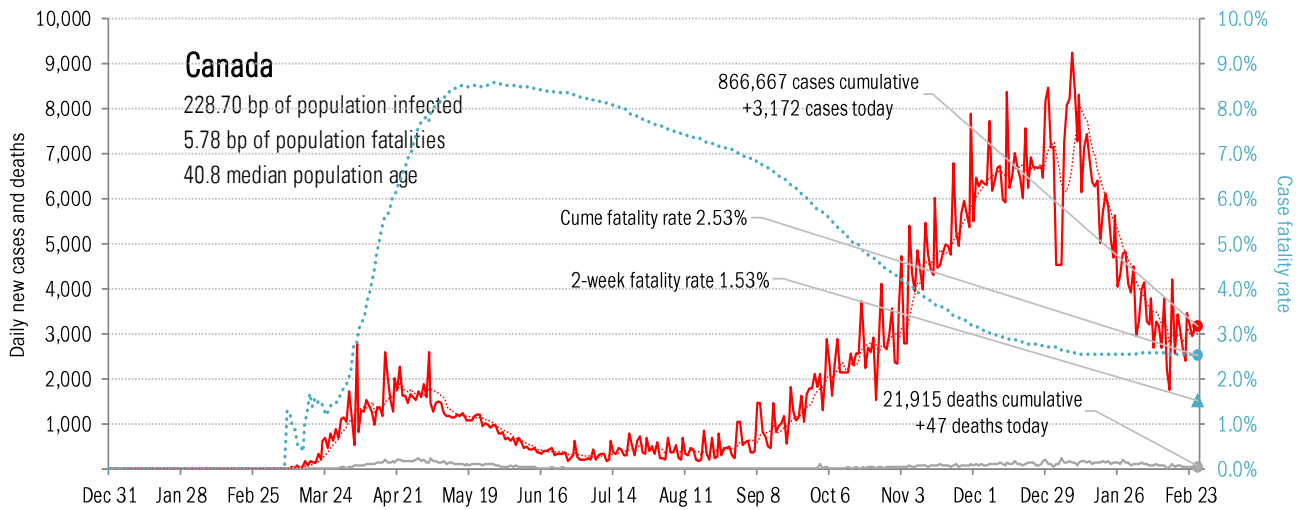
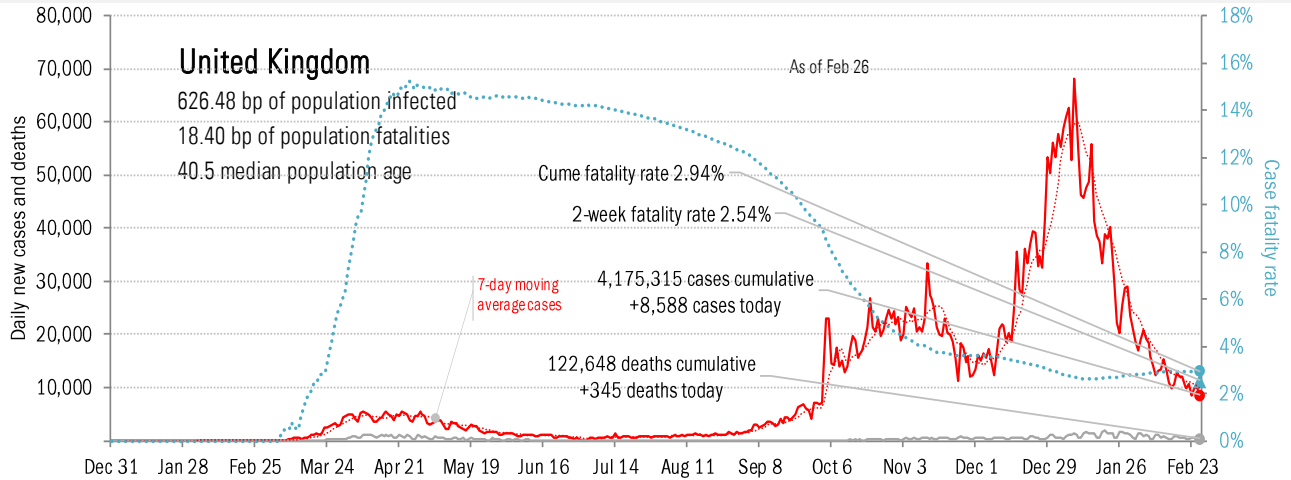
# Impact in the largest economies



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

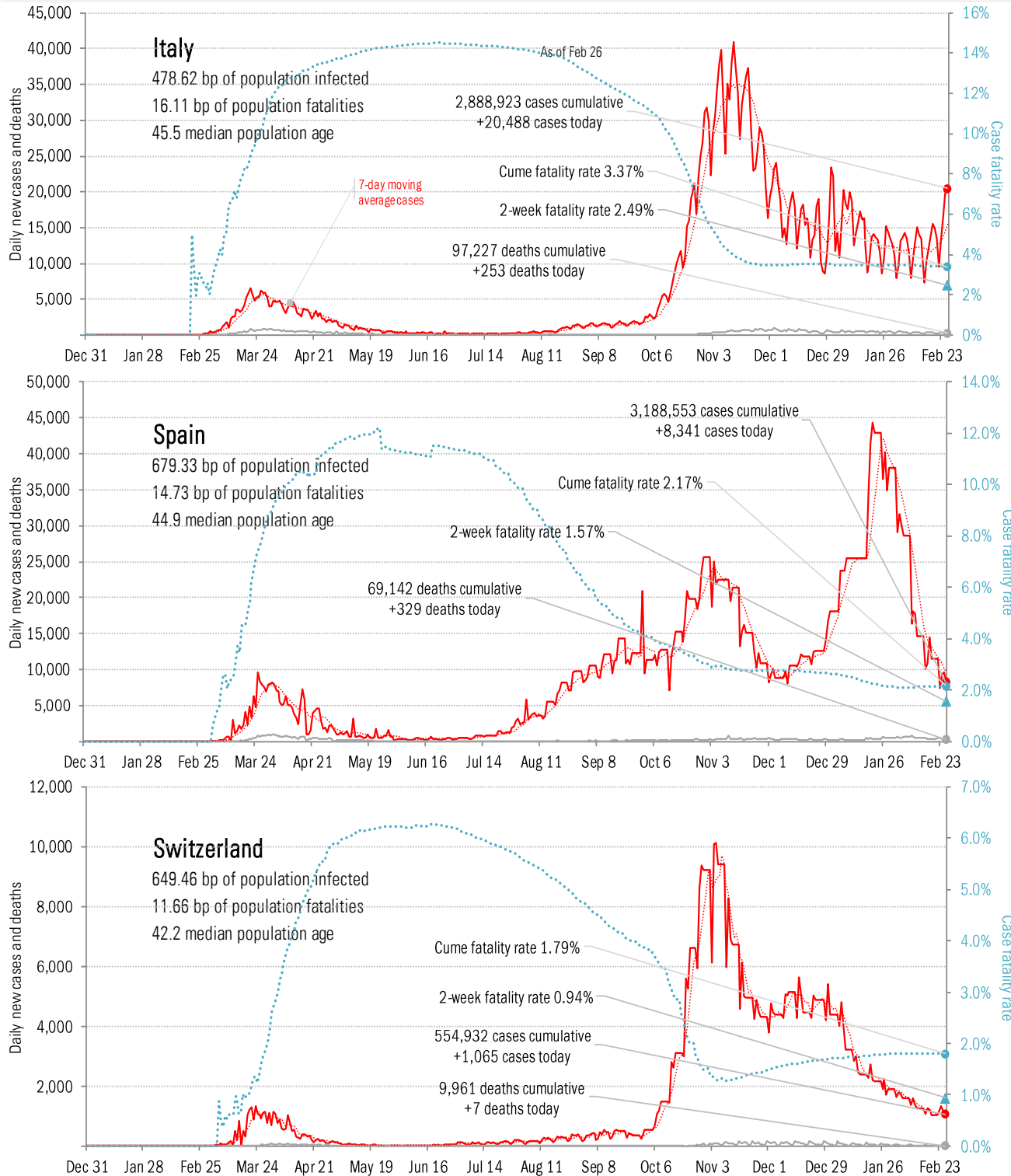


# Impact in The Anglosphere



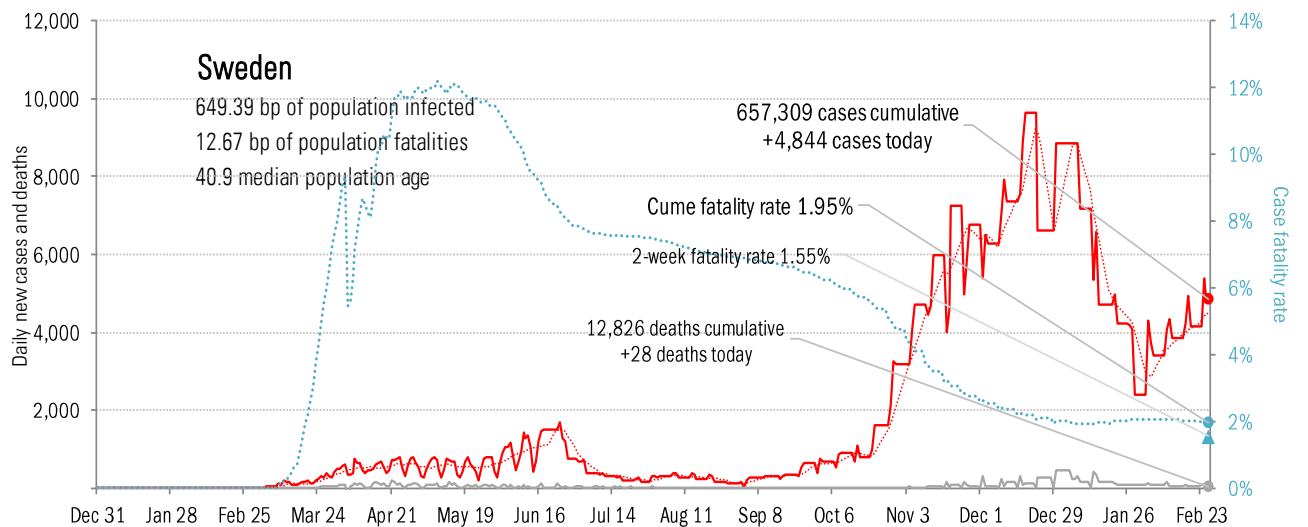
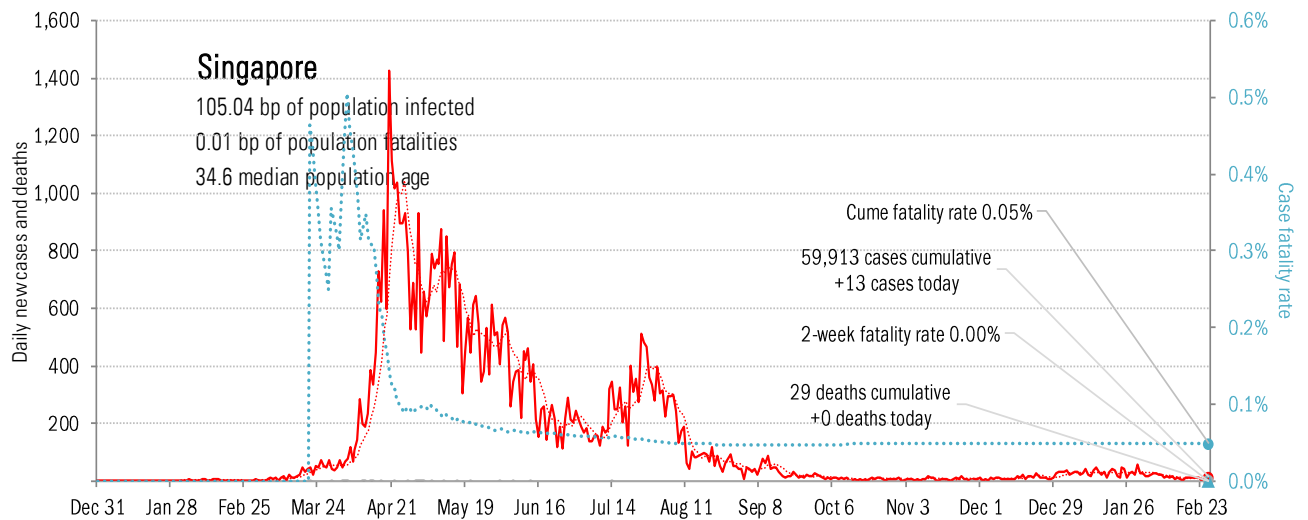
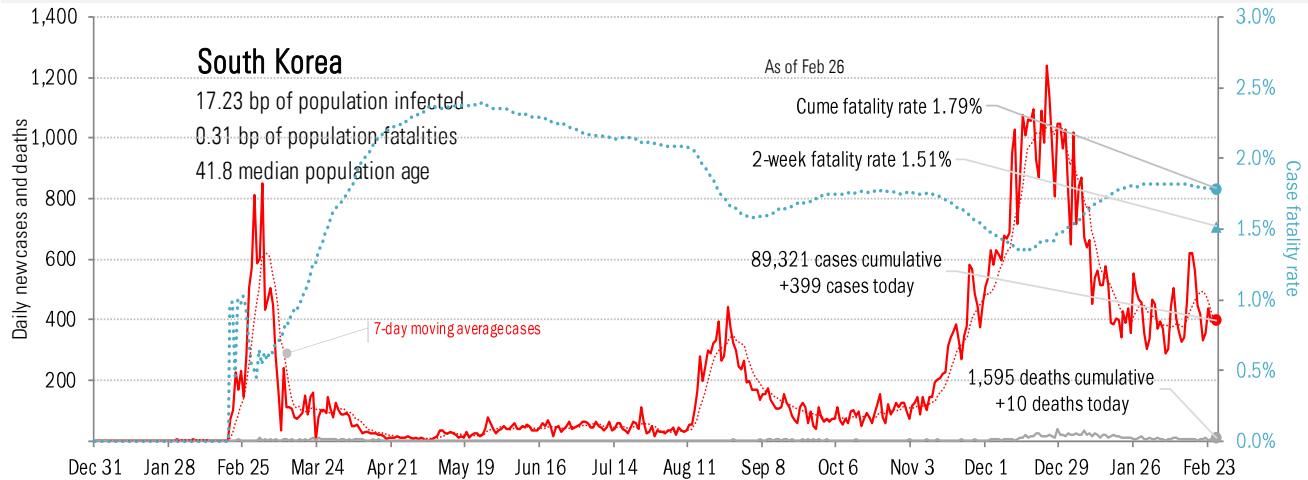
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe



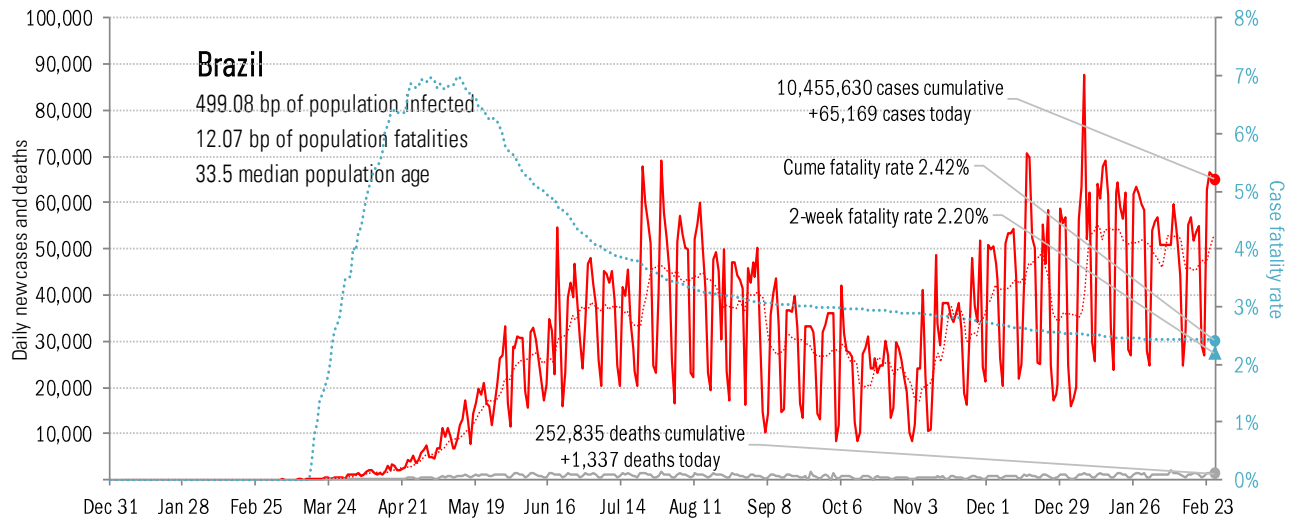
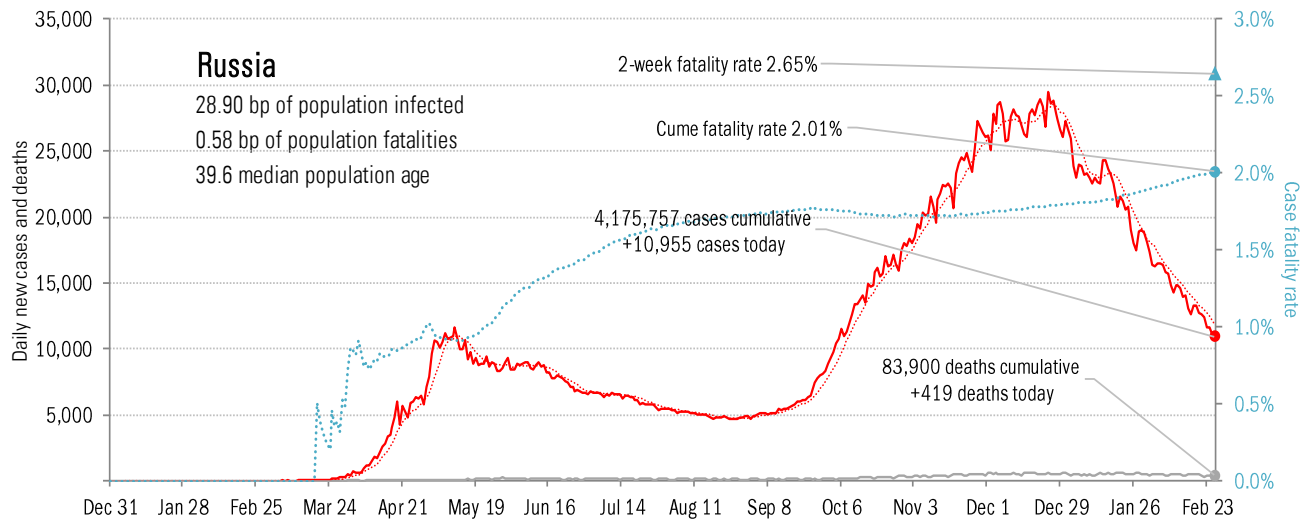
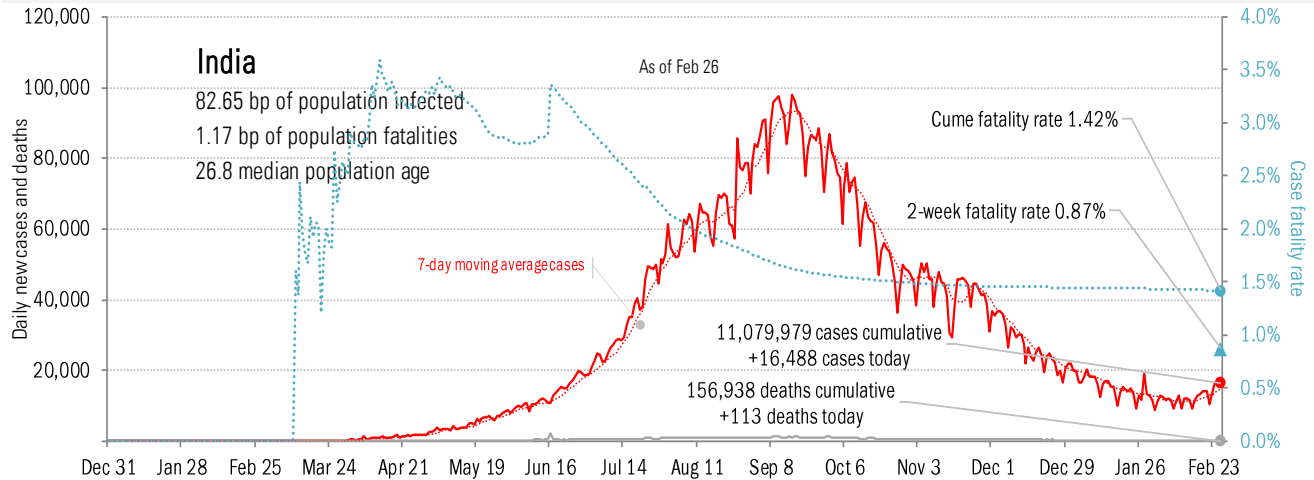
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



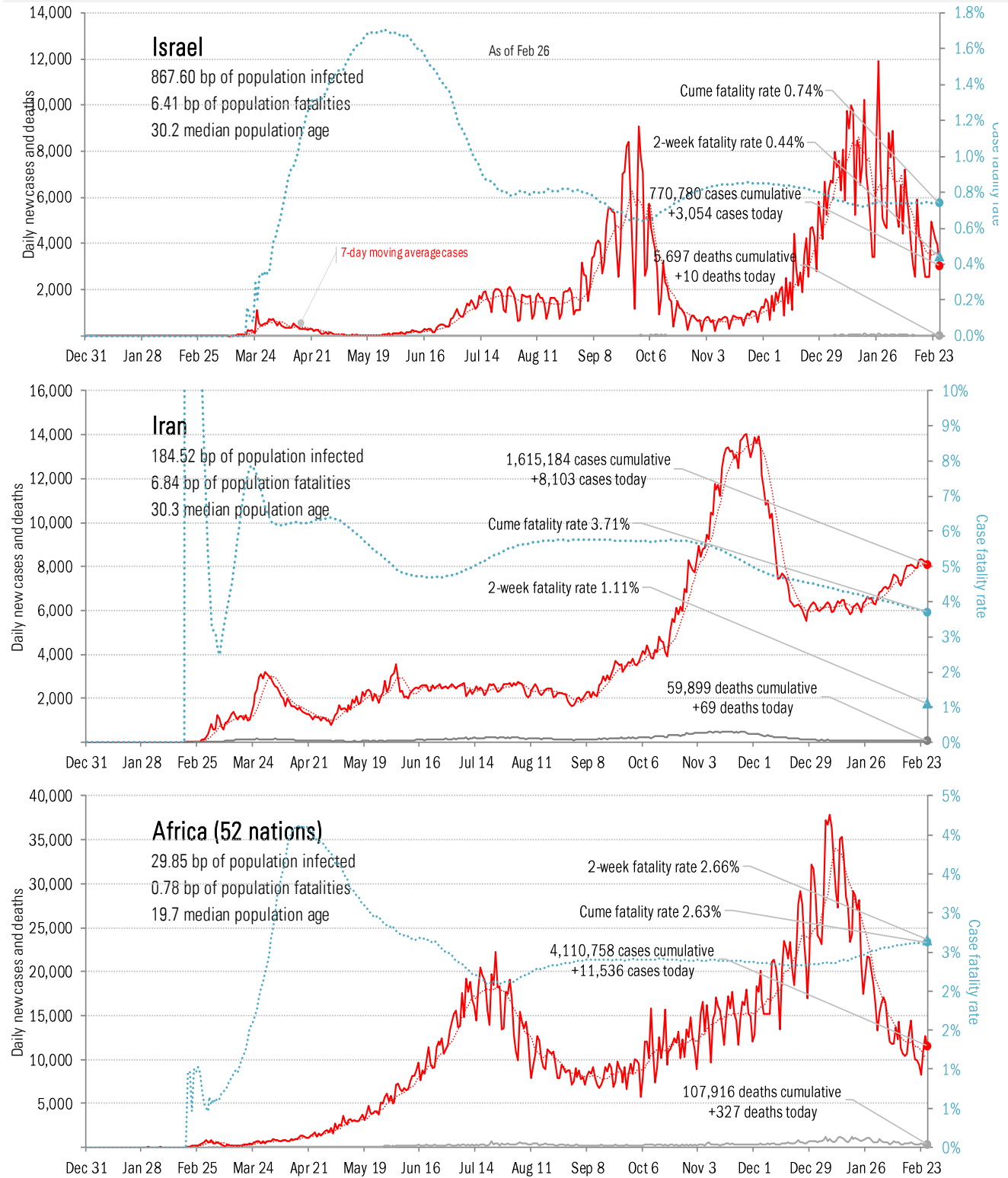
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



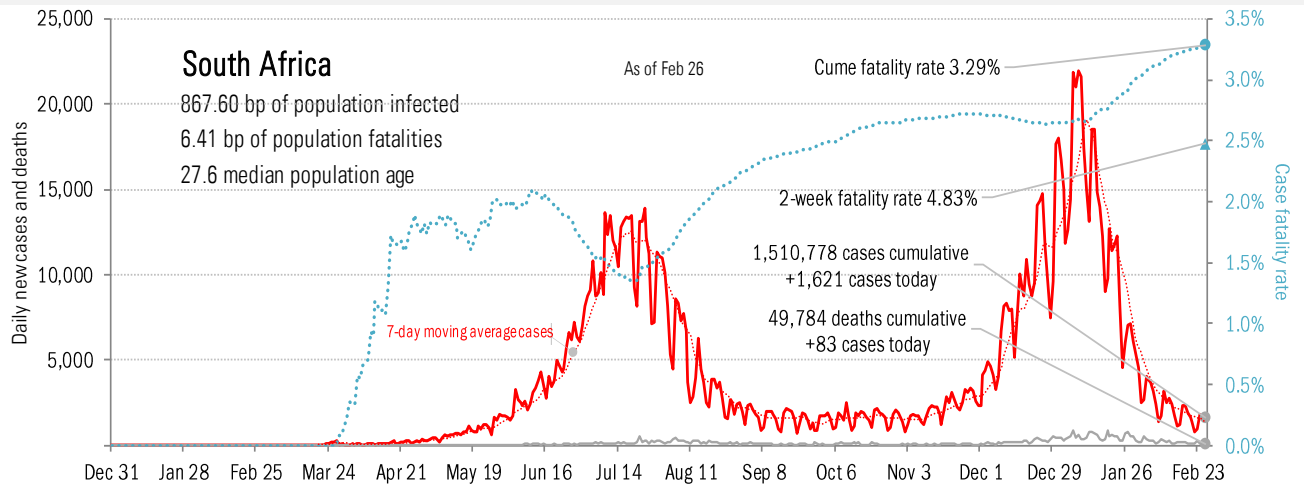
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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