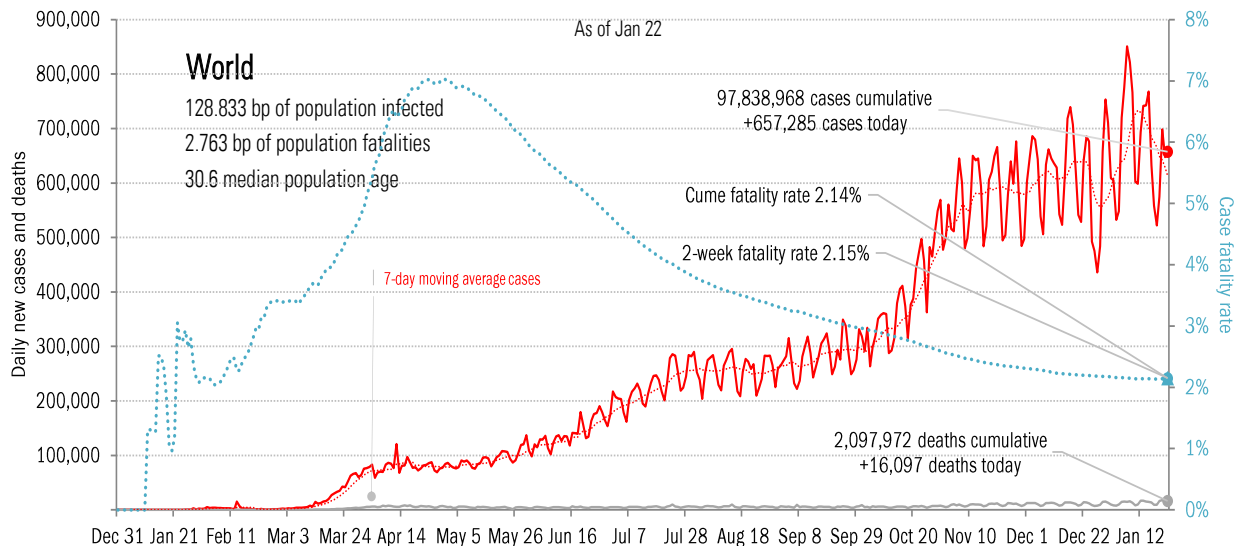
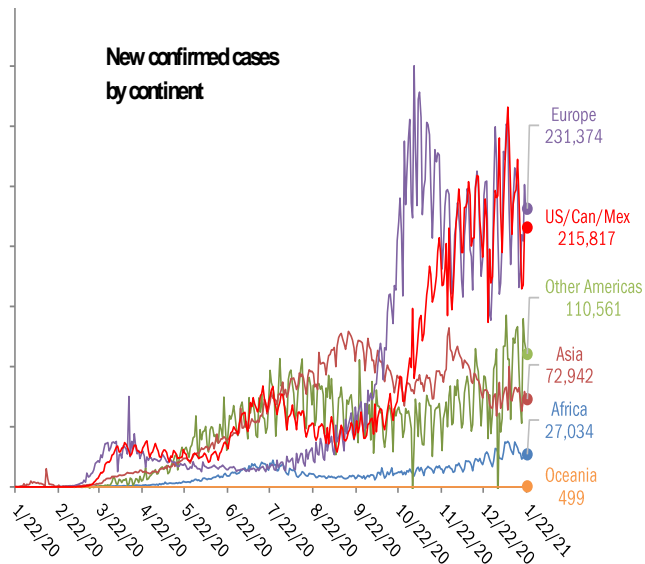


## Data Insights: Covid-2019 Monitor

Saturday, January 23, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+188,983	United States	+3,980
Brazil	+56,552	Mexico	+1,440
Spain	+42,885	United Kingdom	+1,401
United Kingdom	+40,321	Brazil	+1,036
France	+23,324	Germany	+837
Russia	+21,182	France	+649
Mexico	+21,007	South Africa	+575
Germany	+16,366	Russia	+566
Colombia	+15,073	Italy	+472
India	+14,256	Spain	+400
<b>+439,949</b>		<b>+11,416</b>	
World	+657,285	World	+16,097
Top ten	67%	Top ten	71%



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

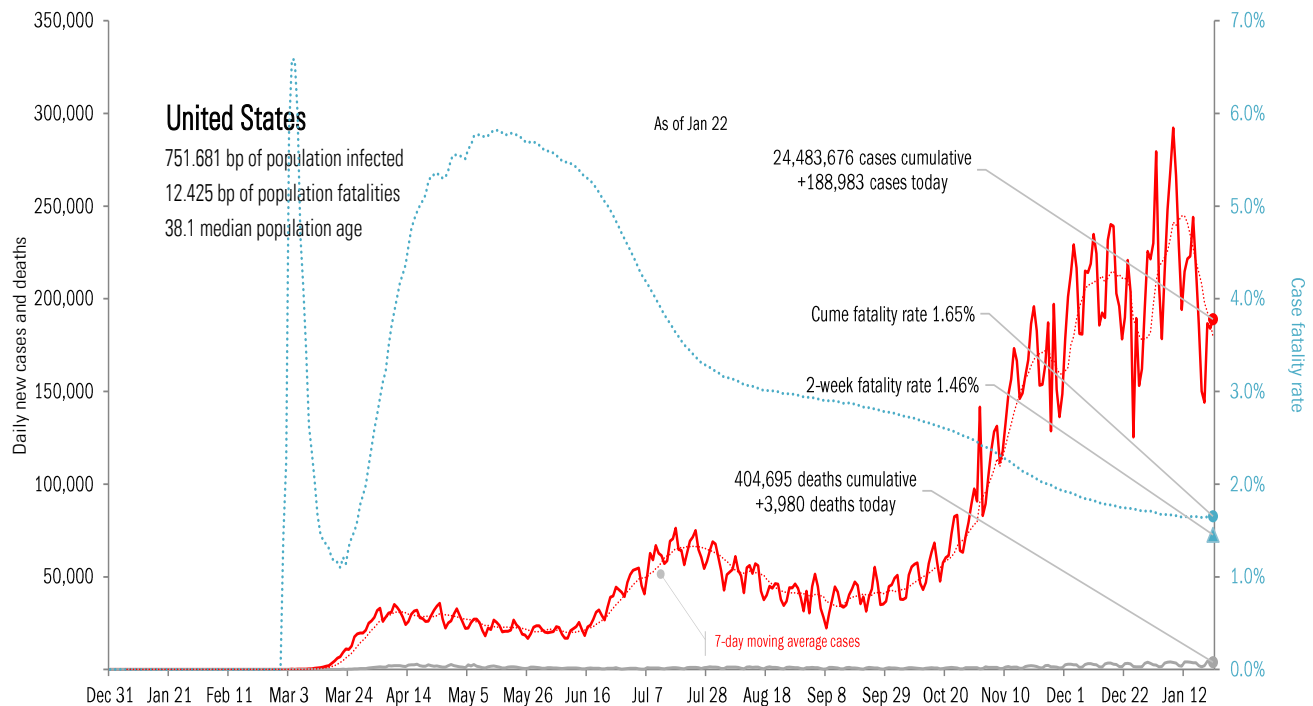
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	+23,024		CA	+764		WA	+35		CA	3,062,068		CA	35,768		NY	89,995		RI	100%	GA	95%
TX	+22,646		TX	+422		NH	+9		TX	2,211,289		NY	33,763		FL	70,767		GA	87%	AL	94%
NY	+15,144		FL	+277		ME	+8		FL	1,597,849		TX	33,707		NJ	55,355		MA	83%	TX	90%
FL	+13,407		AZ	+229		GJ	+2		NY	1,300,481		FL	25,405		AZ	49,602		SC	83%	CA	89%
AZ	+8,099		PA	+193		MT	+1		IL	1,093,375		NJ	20,875		GA	47,950		CA	81%	CK	89%
NC	+7,436		GA	+171		AS	+0		CH	853,982		IL	20,534		CH	44,519		PA	81%	RI	86%
IL	+7,042		NY	+169		ID	+0		PA	794,172		PA	20,321		AL	40,514		MD	80%	NC	86%
GA	+6,442		NC	+125		KS	+0		AZ	708,041		MI	14,951		IN	39,242		AL	80%	MO	86%
PA	+5,338		WA	+125		MN	+0		GA	707,750		MA	13,987		MD	30,697		FL	80%	TN	84%
MA	+5,272		NJ	+115		MP	+0		NC	705,535		GA	13,060		MN	23,767		NC	79%	NV	84%
+113,850			+2,590			+55			13,034,542			232,371			492,408						
All states	+188,983			+3,980			-3685		All states	24,483,676			404,695			776,384		All states	75%		78%
Top ten	60%			65%			-1%		Top ten	53%			57%			63%		Median	73%		74%

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CH	-2,993	MI	-145	PA	-465	MA	+30,185
LA	-1,799	PA	-67	IN	-153	TX	+22,331
AZ	-1,299	TN	-35	GA	-152	PA	+12,105
KY	-968	CH	-28	CA	-147	CH	+7,307
AR	-944	IL	-27	IL	-99	TN	+6,700

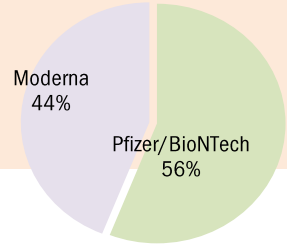


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US

US overall	Over last day
39.89 million doses distributed	+1.93 million/day
19.11 million doses administered	+1.56 million/day
16.24 million persons with one or more shot	+1.19 million/day
2.76 million persons with two or more shots	+0.36 million/day
2.29 million shots in long-term care	+0.20 million/day

**47.9% of distributed doses administered**  
**5.8% of US population vaccinated**  
**5.0% of US population one shot**  
**0.8% of US population two shots**  
**1.6 doses per long-term care resident**



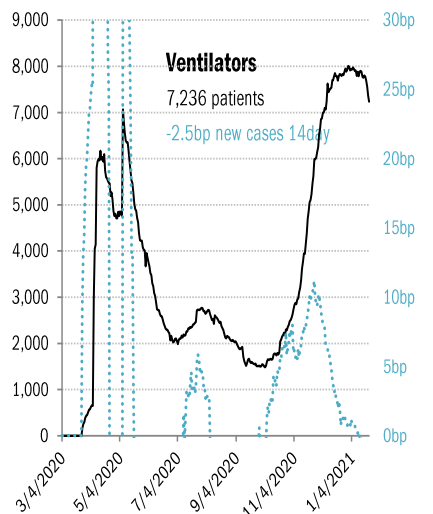
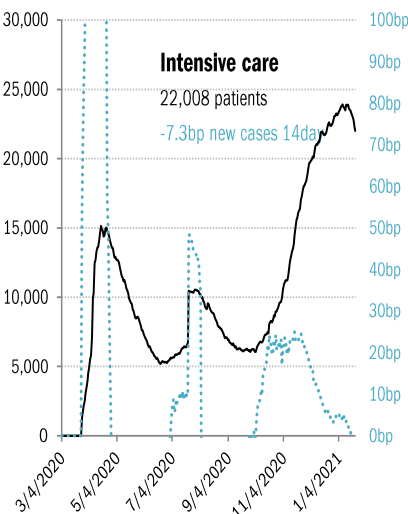
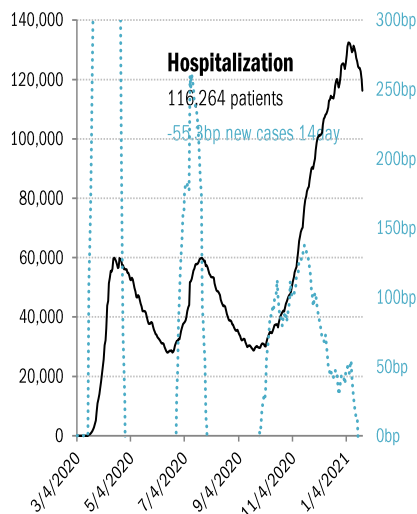
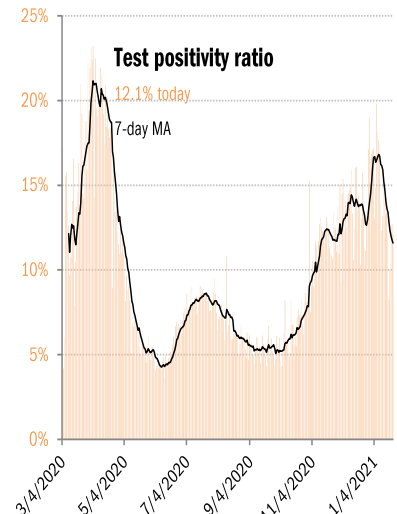
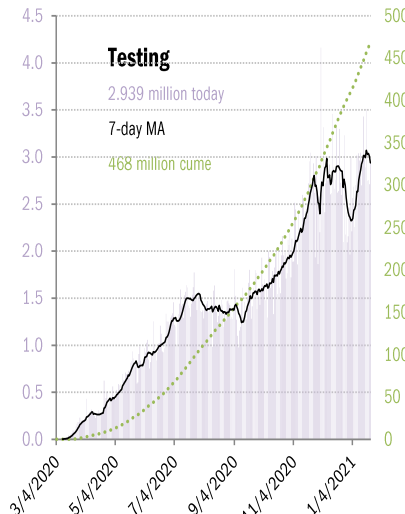
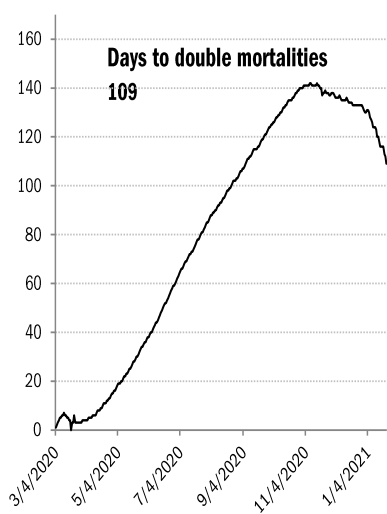
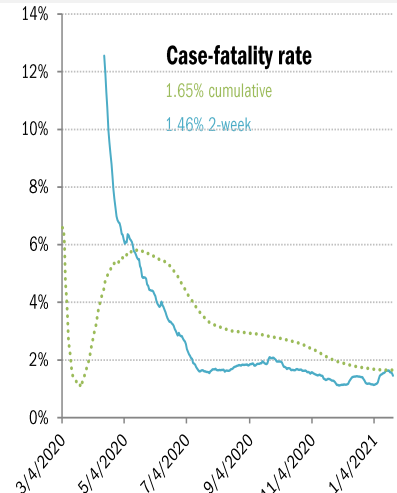
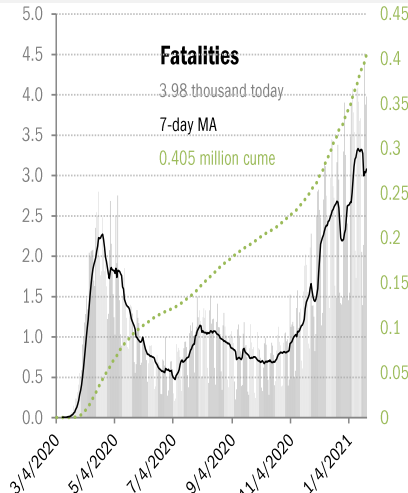
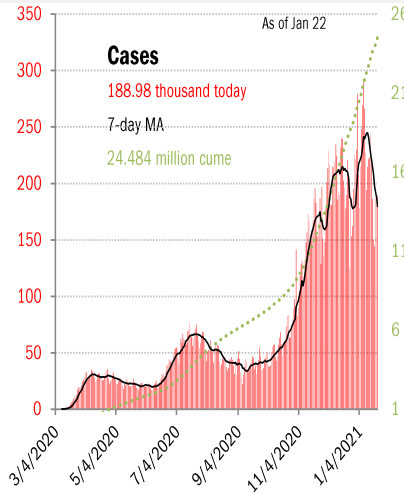
State	Doses distributed as % population	One shot received as % population	Two shots received as % distributed
AK	21.3%	9.2%	1.9%
ME	13.1%	5.2%	1.1%
WI	10.3%	3.8%	0.7%
VT	13.6%	6.2%	1.3%
NH	12.0%	5.4%	0.9%
WA	10.9%	4.3%	0.8%
ID	10.1%	3.6%	0.7%
MT	11.2%	5.1%	1.1%
ND	11.4%	6.7%	1.6%
MN	12.0%	4.0%	1.0%
IL	9.5%	3.8%	1.0%
MI	11.0%	5.0%	0.9%
NY	12.2%	5.4%	0.7%
MA	12.4%	4.6%	0.8%
OR	11.6%	5.2%	0.8%
NV	9.1%	3.4%	0.7%
WY	12.0%	5.2%	0.8%
SD	11.3%	6.4%	1.6%
IA	10.7%	4.6%	0.7%
IN	12.5%	5.1%	1.1%
OH	10.5%	4.3%	0.4%
PA	11.5%	4.2%	0.9%
NJ	10.7%	4.6%	0.6%
CT	13.4%	7.0%	0.9%
RI	12.9%	4.7%	1.1%
CA	11.9%	3.7%	0.8%
UT	10.7%	5.5%	0.6%
CO	11.7%	5.4%	1.1%
NE	12.3%	5.1%	0.9%
MO	10.7%	3.5%	1.1%
KY	10.4%	5.1%	0.5%
WV	12.9%	8.1%	2.0%
VA	12.5%	4.1%	0.5%
MD	12.0%	4.2%	0.5%
DE	11.9%	4.7%	0.9%
AZ	11.3%	3.9%	0.7%
NM	11.8%	6.2%	1.4%
KS	11.6%	4.0%	0.7%
AR	12.0%	5.6%	1.0%
TN	11.7%	4.8%	1.1%
NC	11.4%	4.3%	0.7%
SC	8.8%	3.7%	0.7%
DC	12.8%	6.3%	1.7%
OK	12.5%	6.3%	0.9%
LA	10.9%	5.5%	0.9%
MS	11.6%	4.6%	0.5%
AL	10.6%	3.6%	0.5%
GA	11.6%	5.0%	0.6%
HI	13.5%	4.8%	1.2%
TX	9.9%	4.9%	0.8%
FL	12.2%	5.5%	0.6%
PR	10.6%	4.0%	1.0%

As of Jan 22

Source: [CDC](#), TrendMacro calculations

# US deep-dive

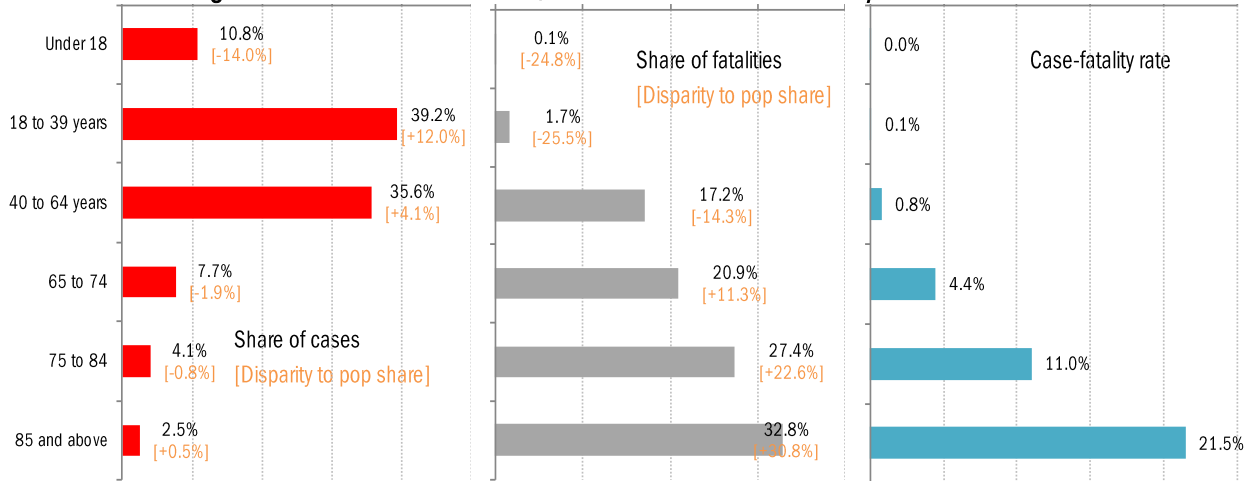
National and state-by-state data do not line up because of different sources



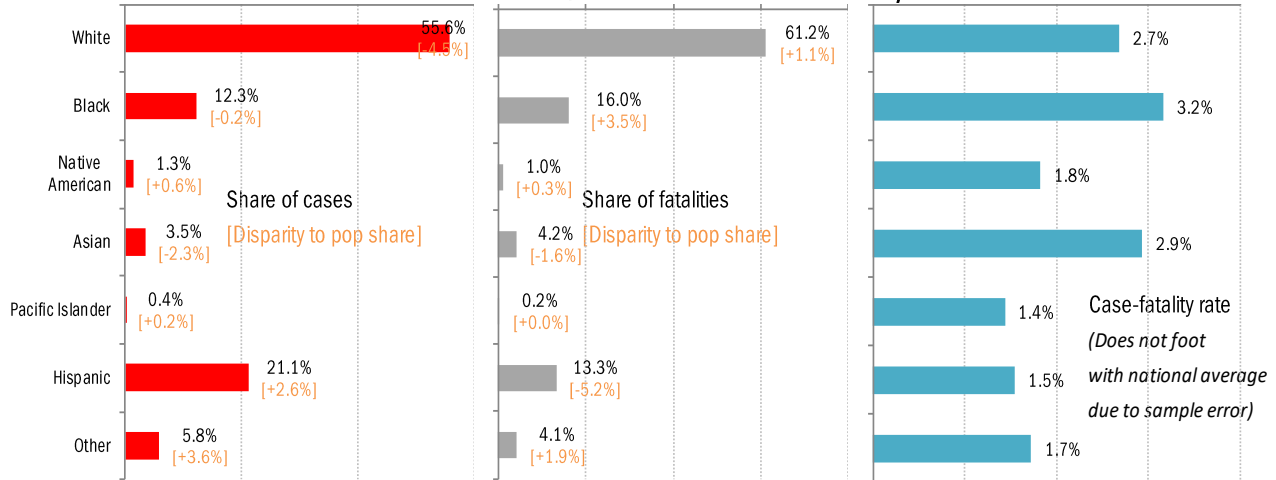
Source: [Covid Tracking Project](#), TrendMacro calculations

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

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

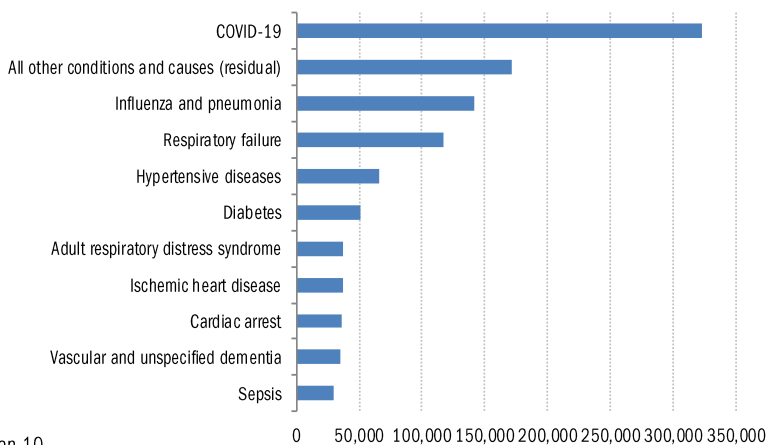


## Racial distribution of US cases, fatalities and case-fatality rates



## Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jan 10

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

### [Yes, the Senate Can Try Trump](#)

Keith E. Whittington  
*Wall Street Journal*  
January 22, 2021

### [The Covid-19 Origin Investigation](#)

*Wall Street Journal*  
January 22, 2021

### [How About a Little Sobriety, Please?](#)

Jack Shafer  
*Politico*  
January 21, 2021

### [Some of Trump's foreign policies are worth sustaining. Biden should keep that in mind.](#)

David Ignatius  
*Washington Post*  
January 21, 2021

### [Zoom Privilege: How Lockdowns Made the Rich Richer](#)

Jordan Schachtel  
*American Institute for Economic Research*  
January 22, 2021

### [The New Domestic War on Terror is Coming](#)

Glenn Greenwald  
*Substack*  
January 19, 2021

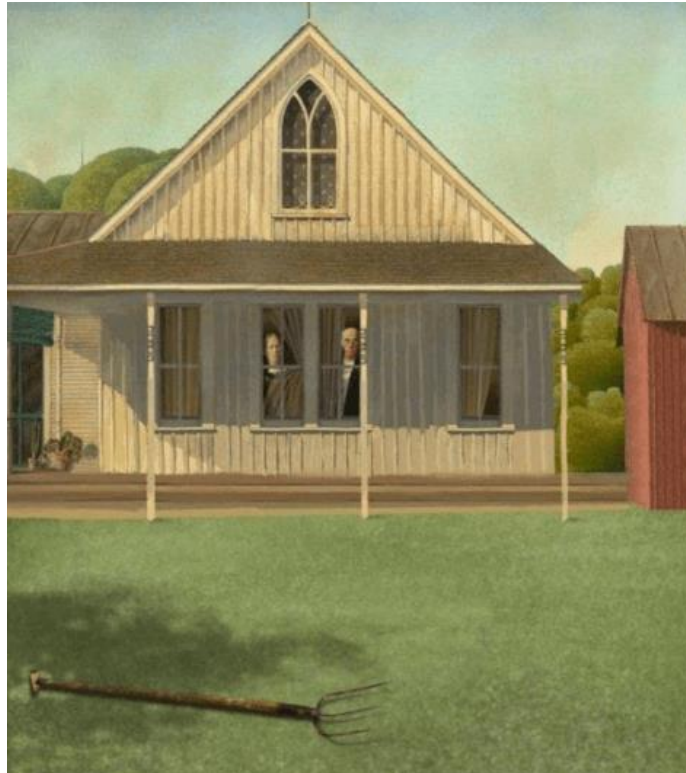
### [WHO Information Notice for IVD Users 2020/05](#)

*World Health Organization*  
January 20, 2021

### [Right On Cue For Biden, WHO Admits High-Cycle PCR Tests Produce COVID False Positives](#)

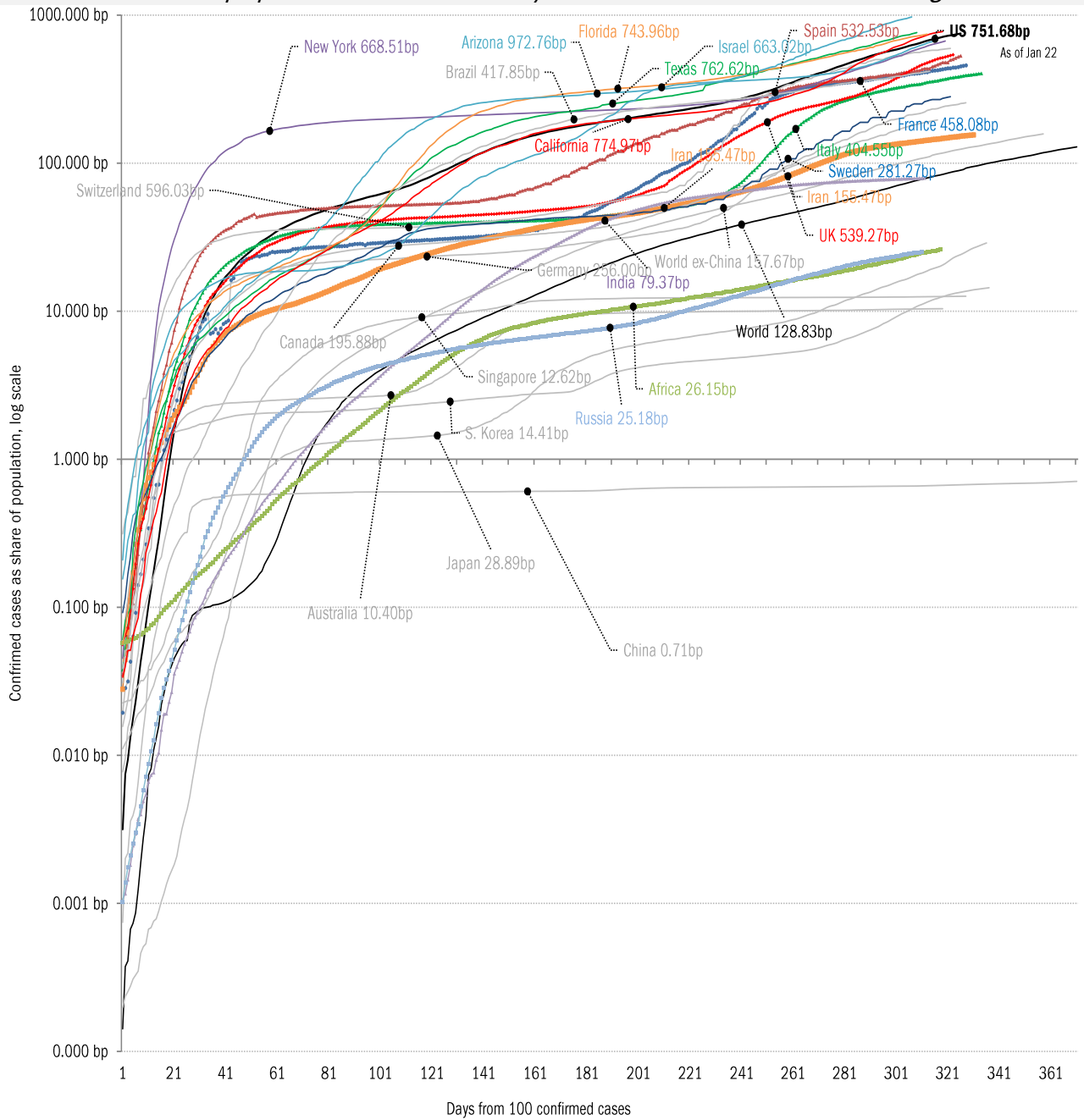
Tyler Durden  
*Zero Hedge*  
January 21, 2021

## Meme of day



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

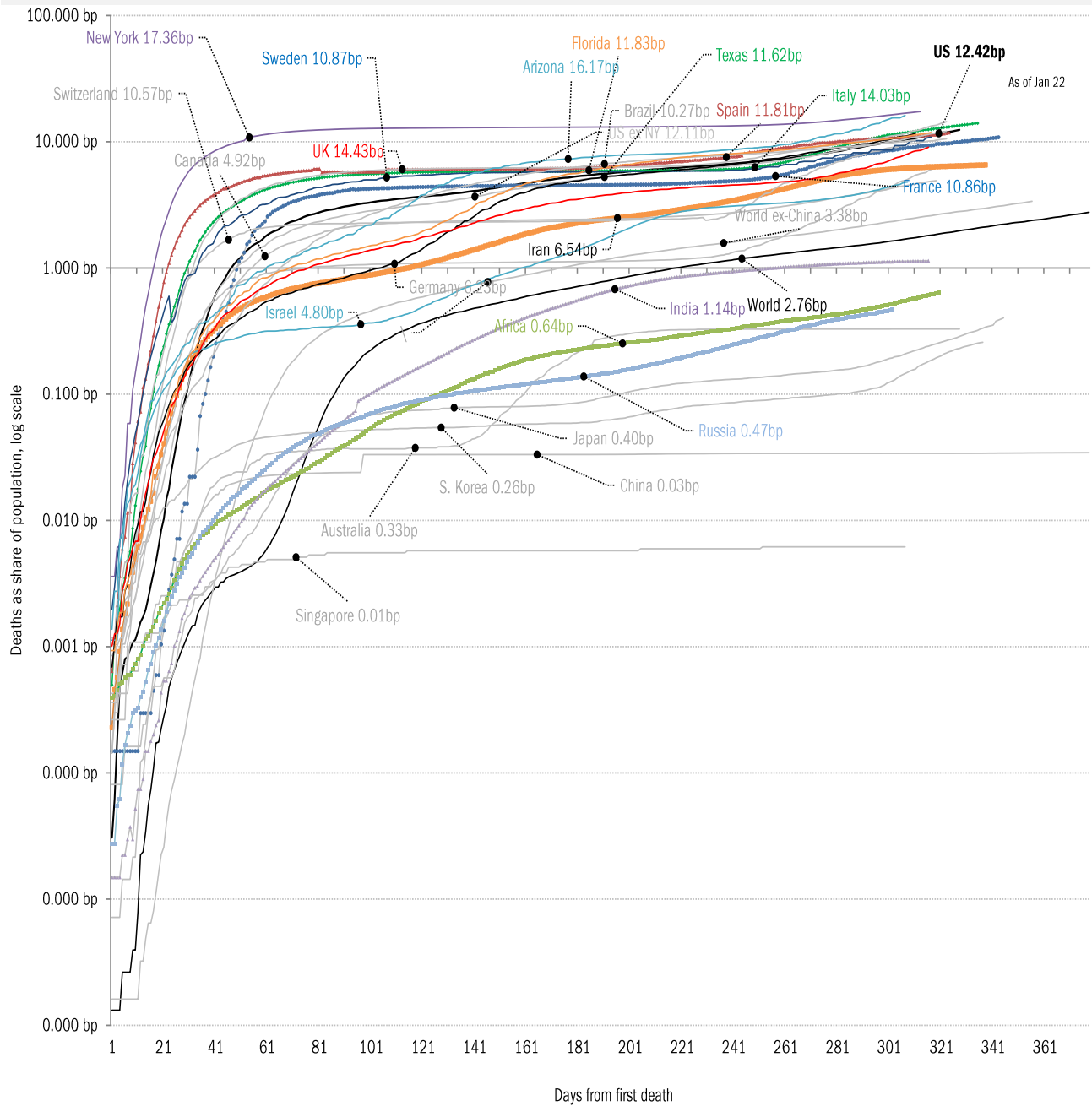
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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



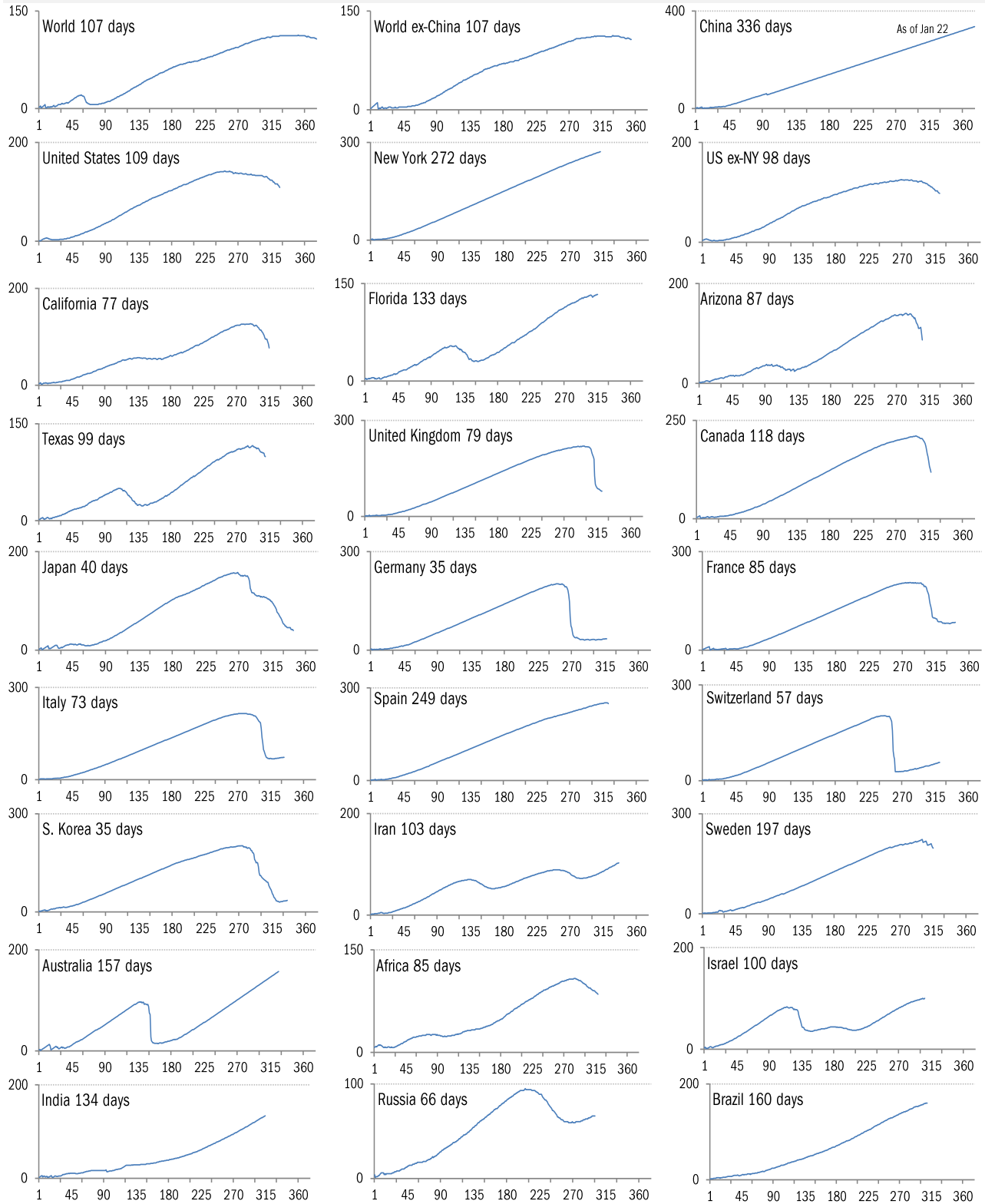
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



# "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

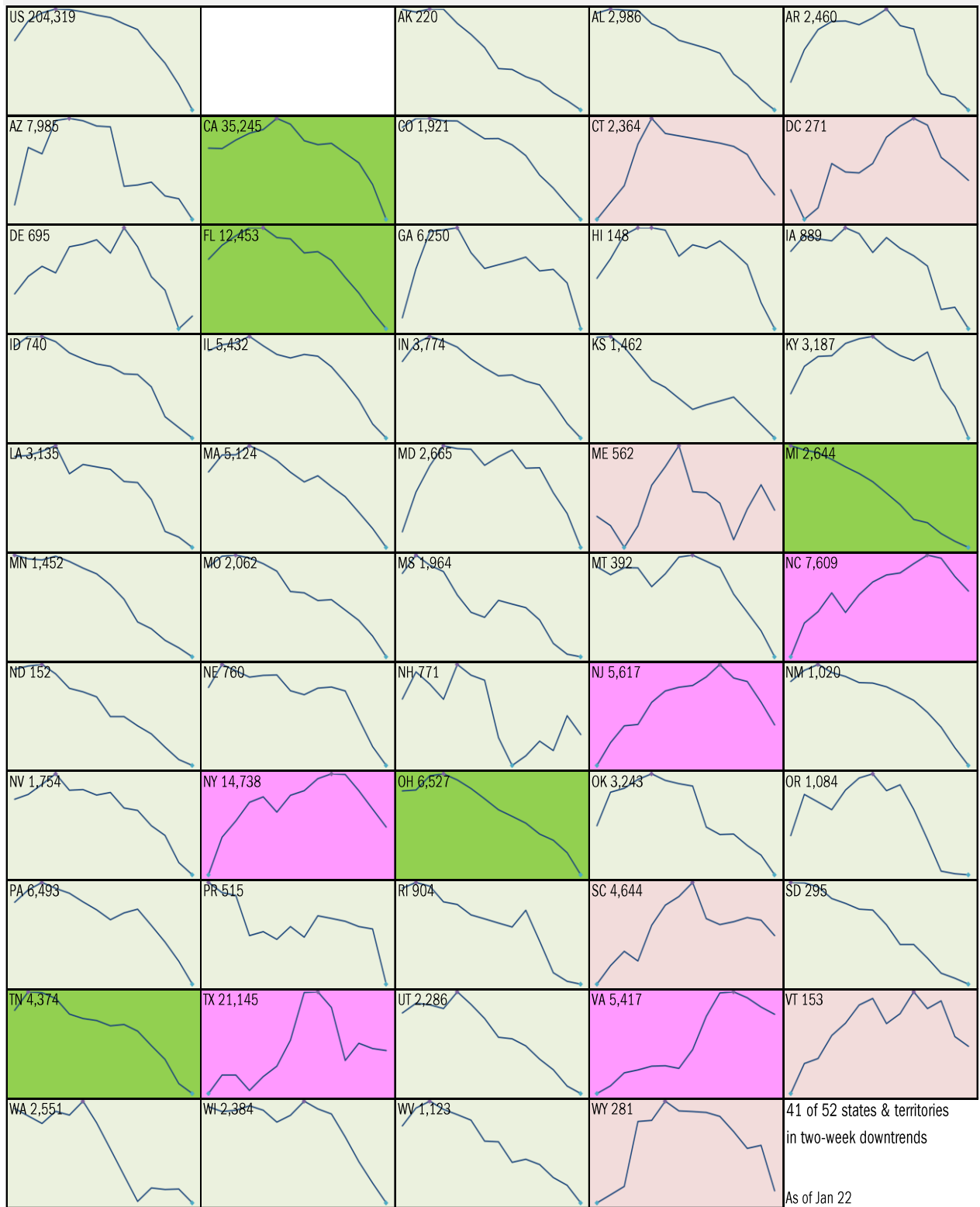


Source: [Johns Hopkins, Covid Tracking Project](#), TrendMacro calculations

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

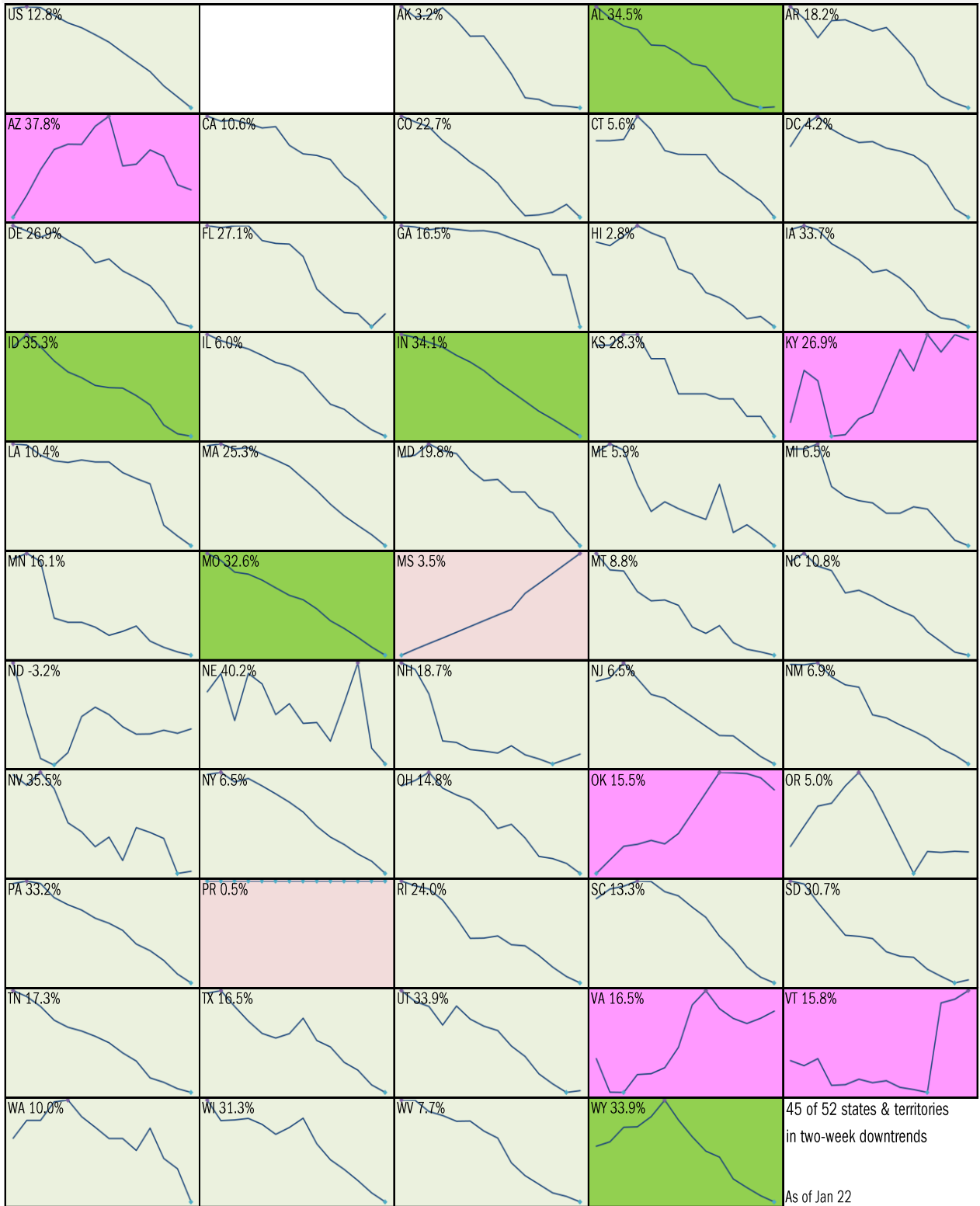
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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



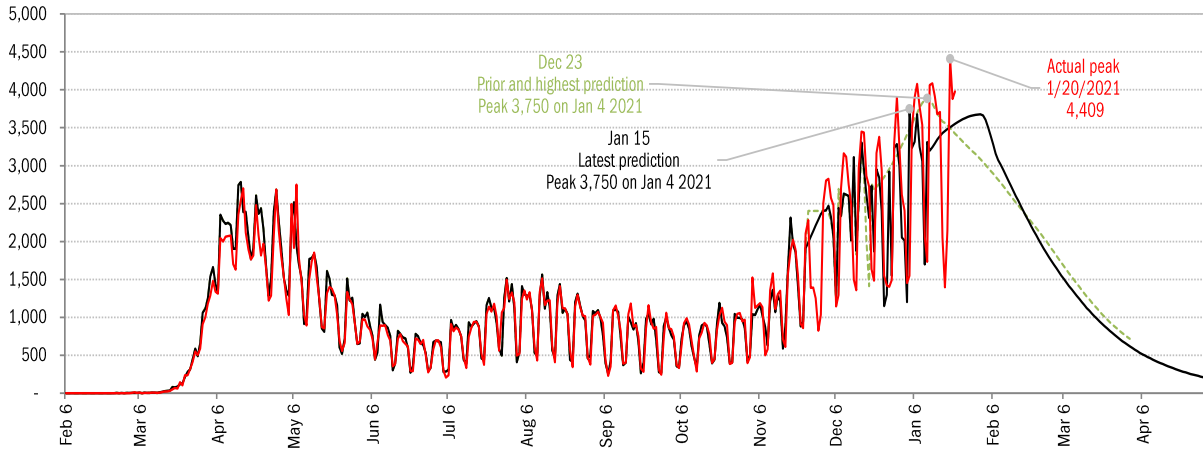
Source: [Covid Tracking Project](#), TrendMacro calculations

# Reality-checking the models: actuals versus [IHME predictions](#)

## New daily fatalities

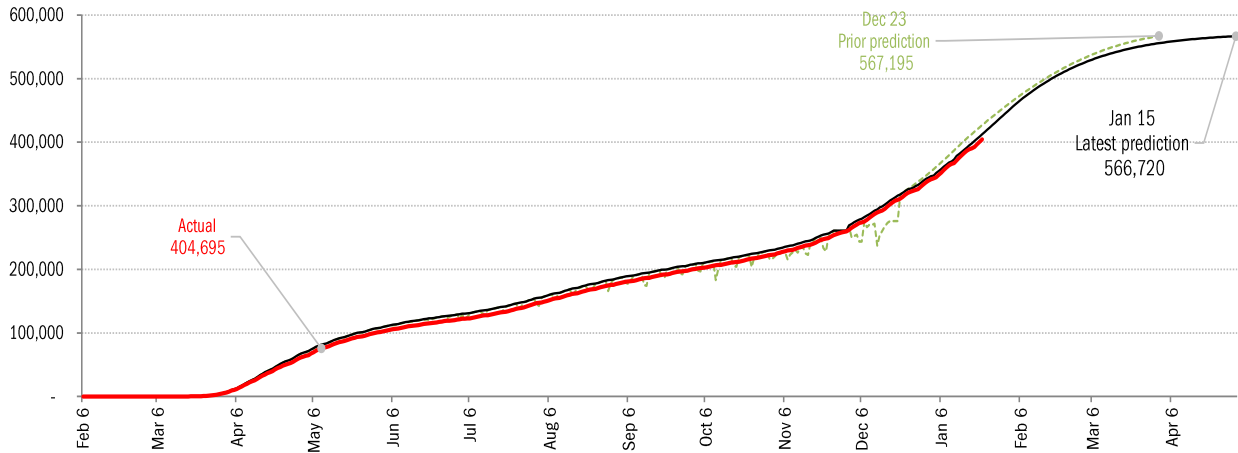
As of Jan 22

Actual versus first, highest, lowest and latest model mean predictions

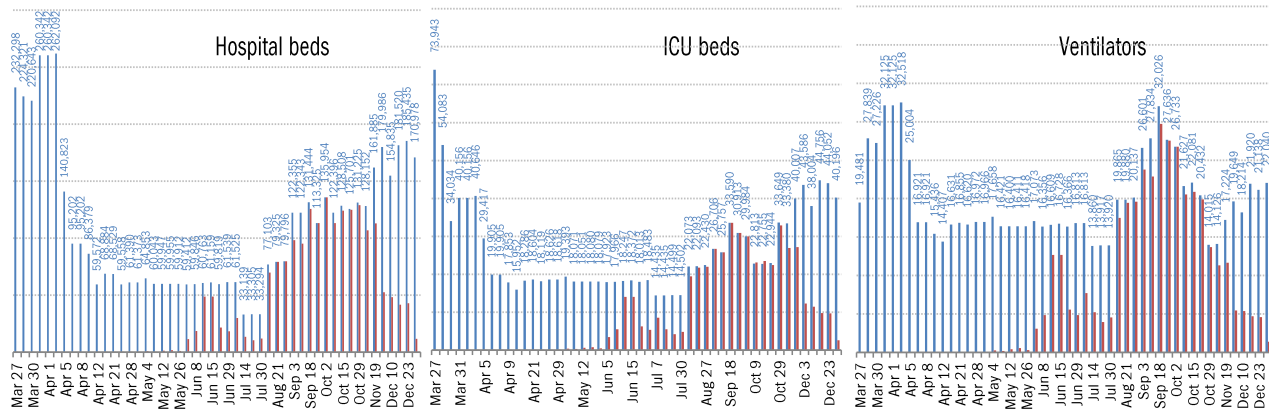


## Cumulative fatalities

Actual versus first, highest, lowest and latest model mean predictions

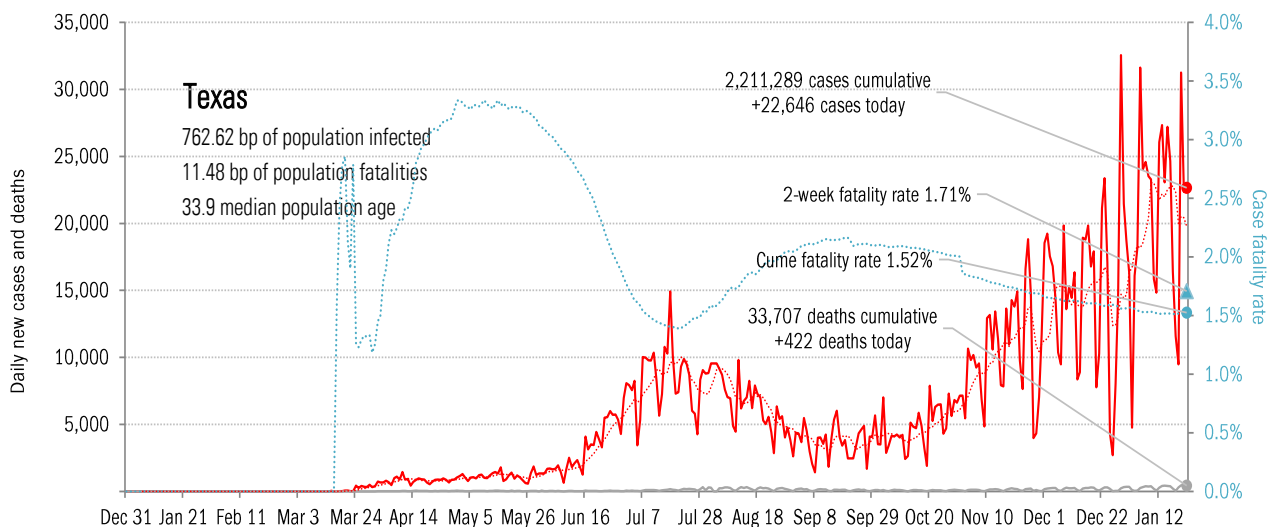
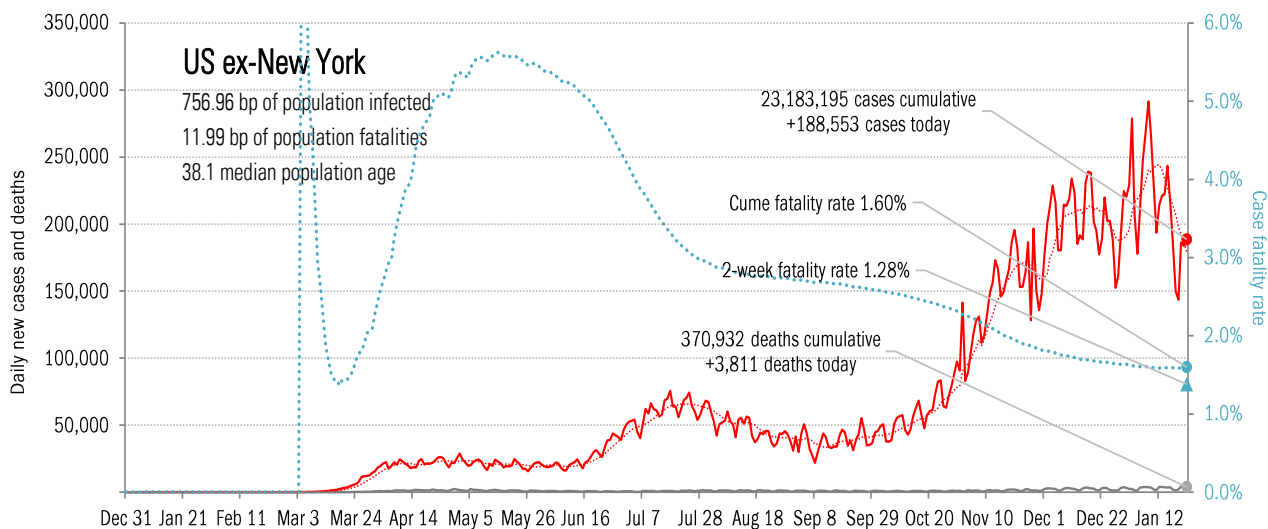
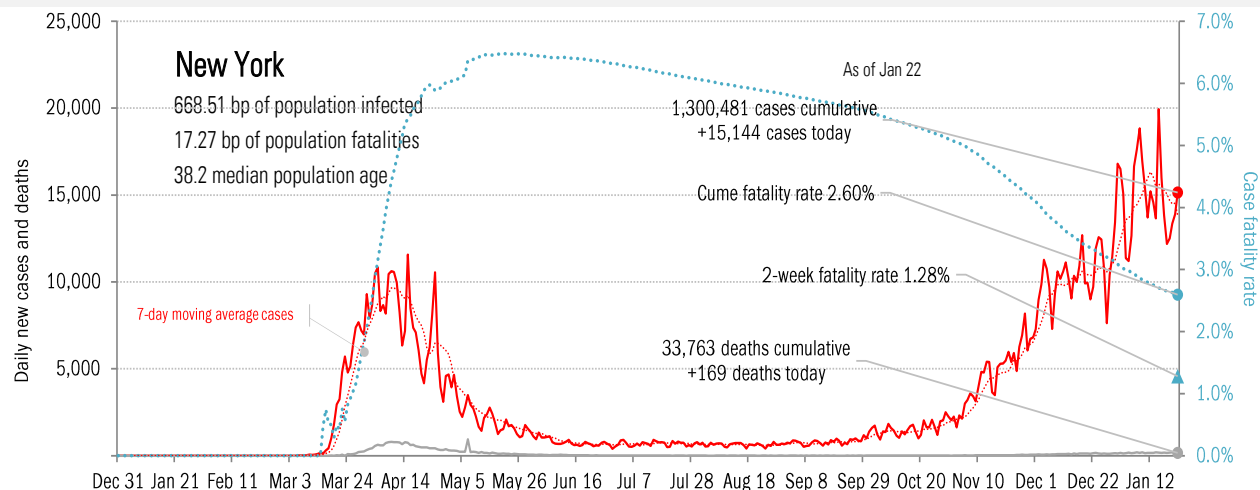


## Healthcare system stress, **peak** and **ultimate** estimated at each model revision



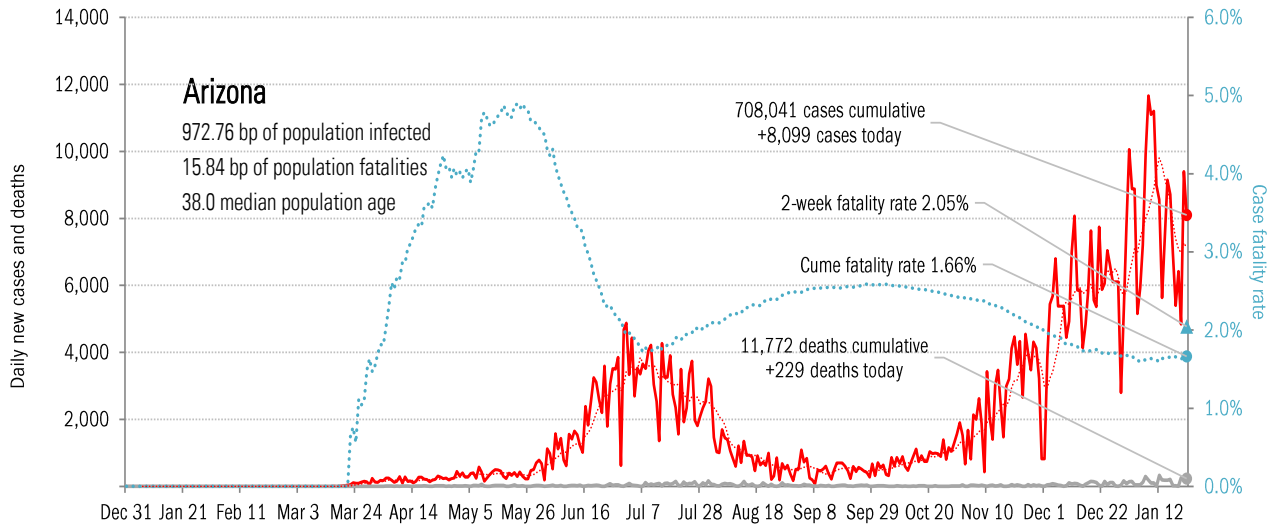
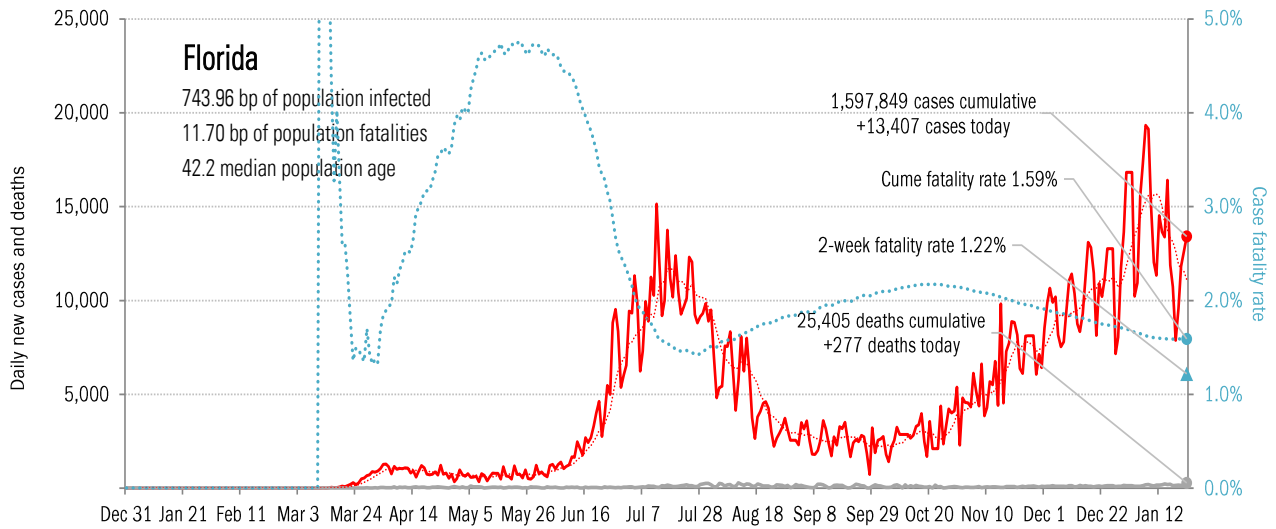
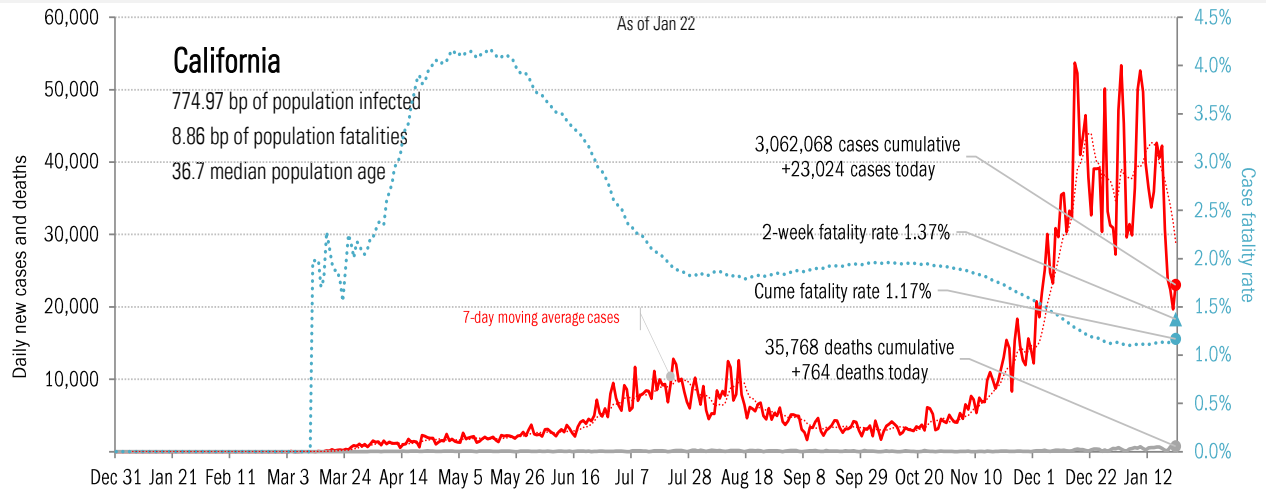
Source: [IHME](#), [Covid Tracking Project](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



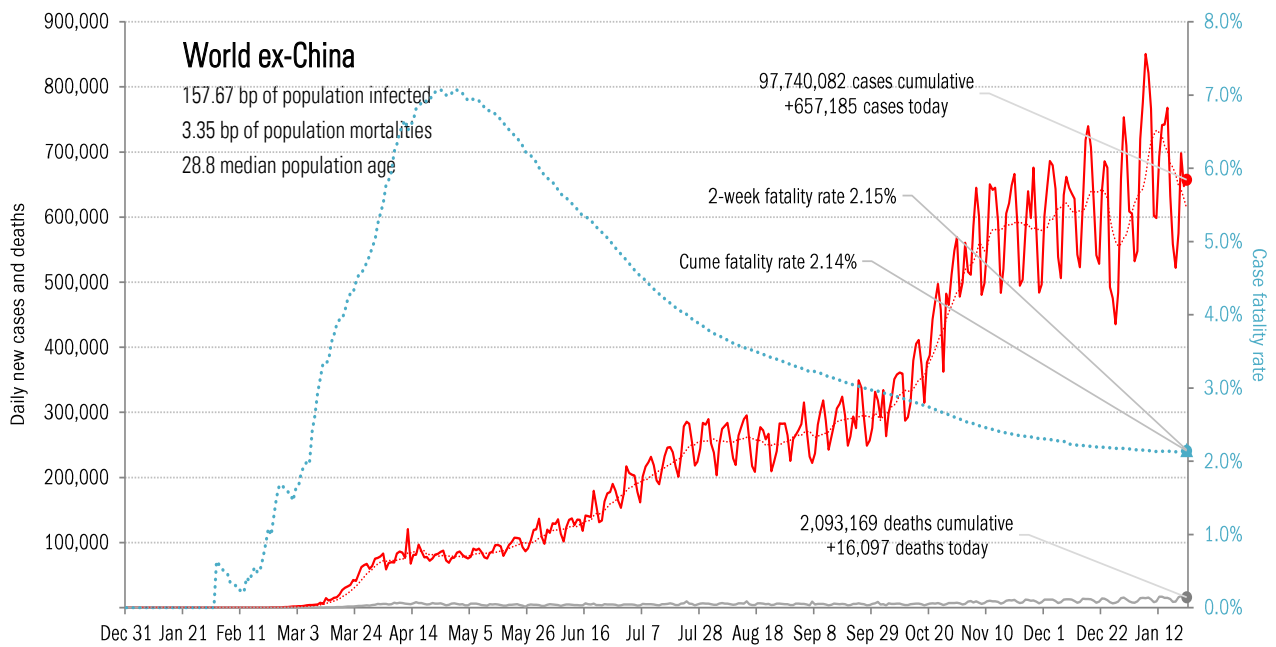
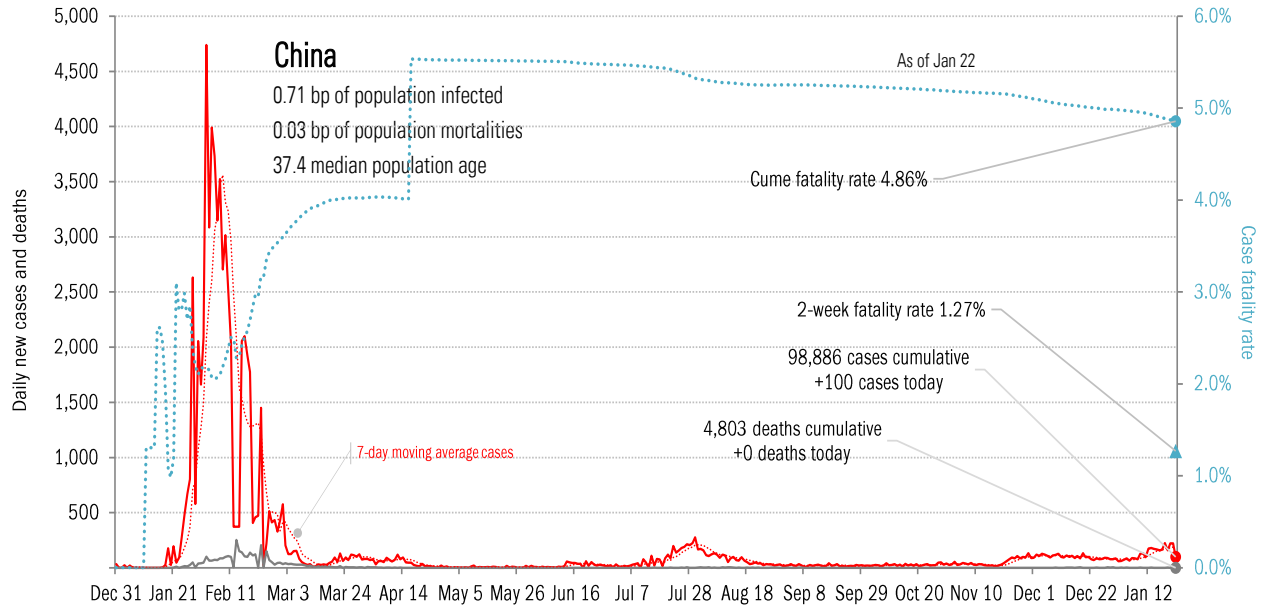
Source: [Covid Tracking Project](#), TrendMacro calculations

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



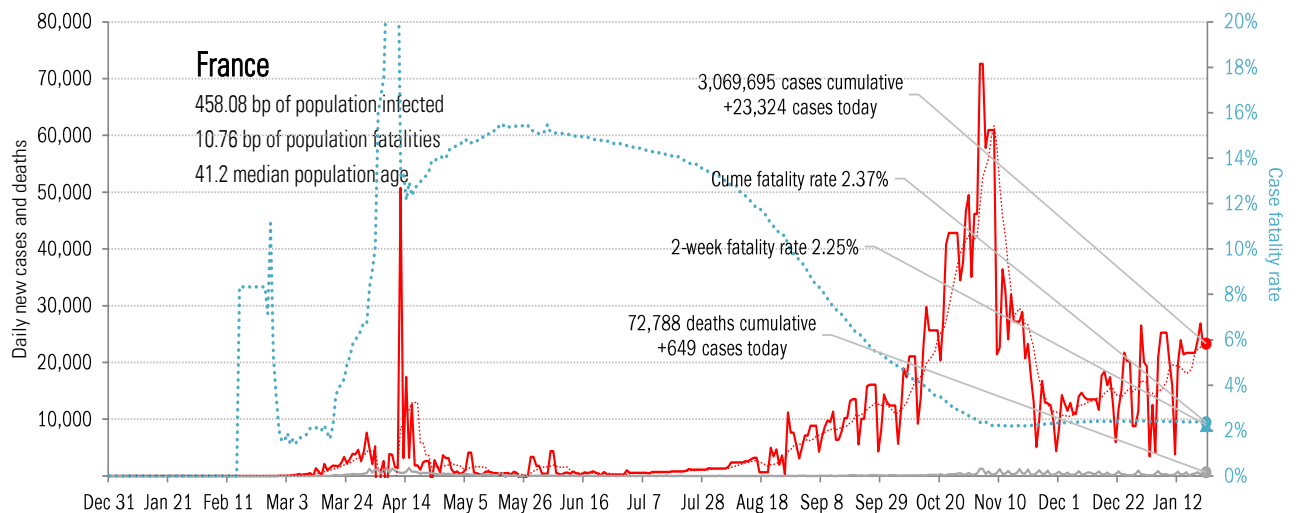
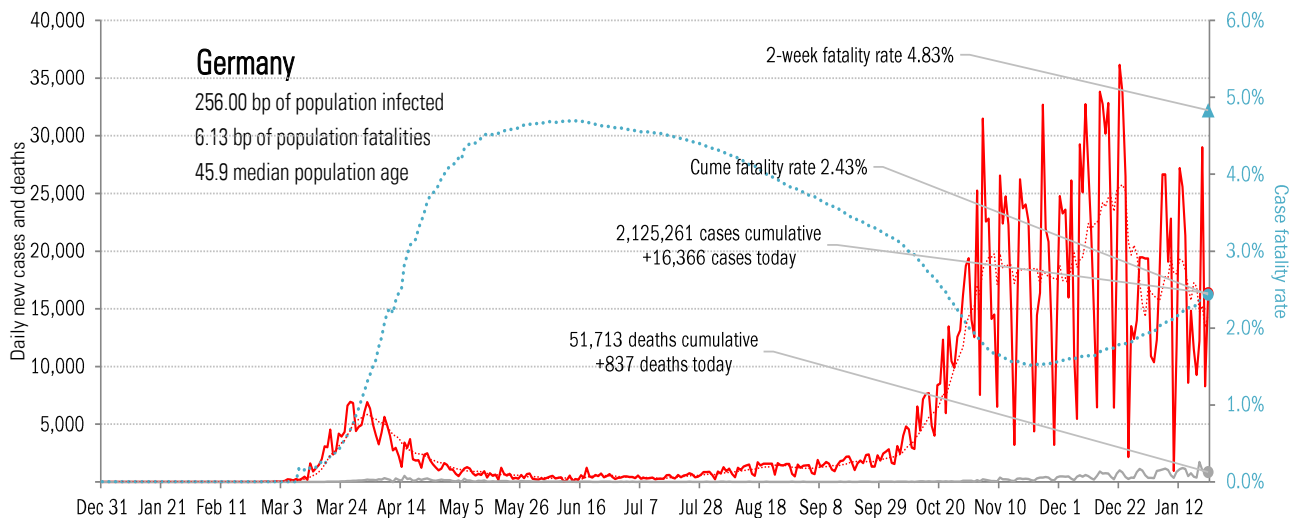
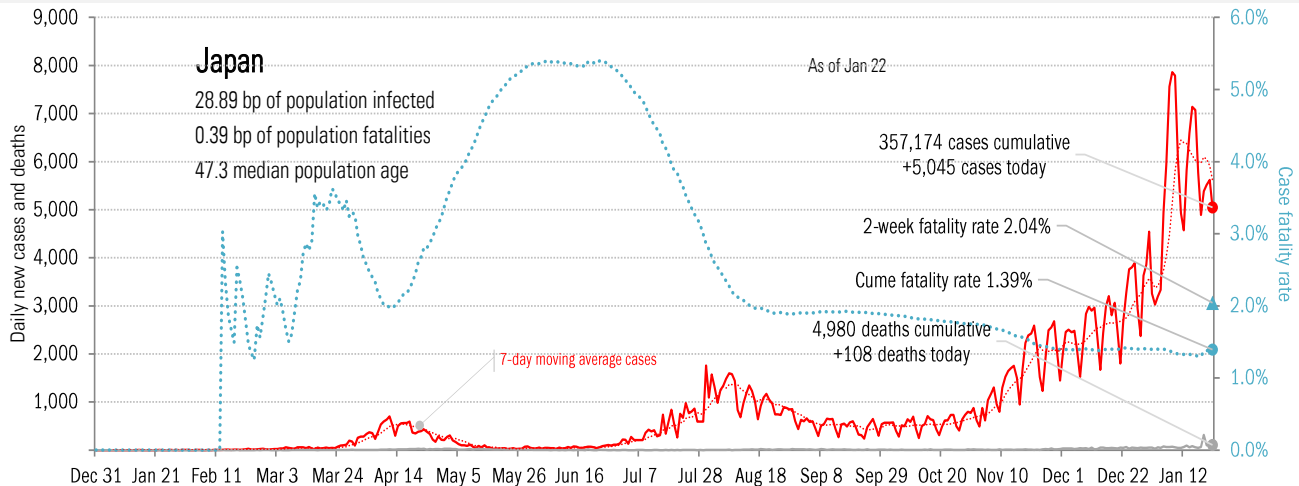
Source: [Covid Tracking Project](#), TrendMacro calculations

# Patient zero... and then everyone else



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

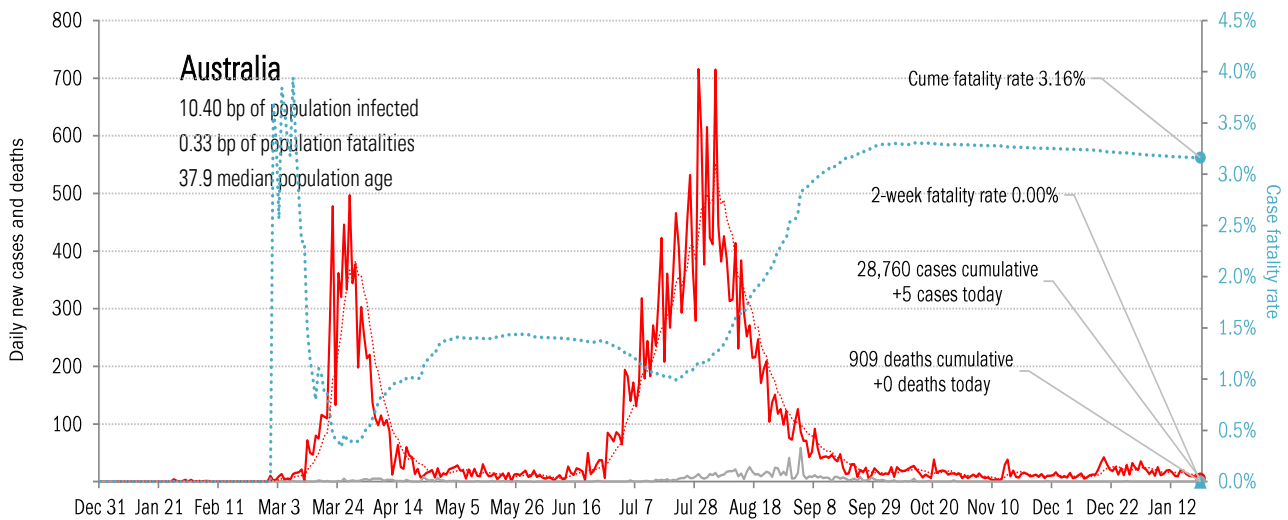
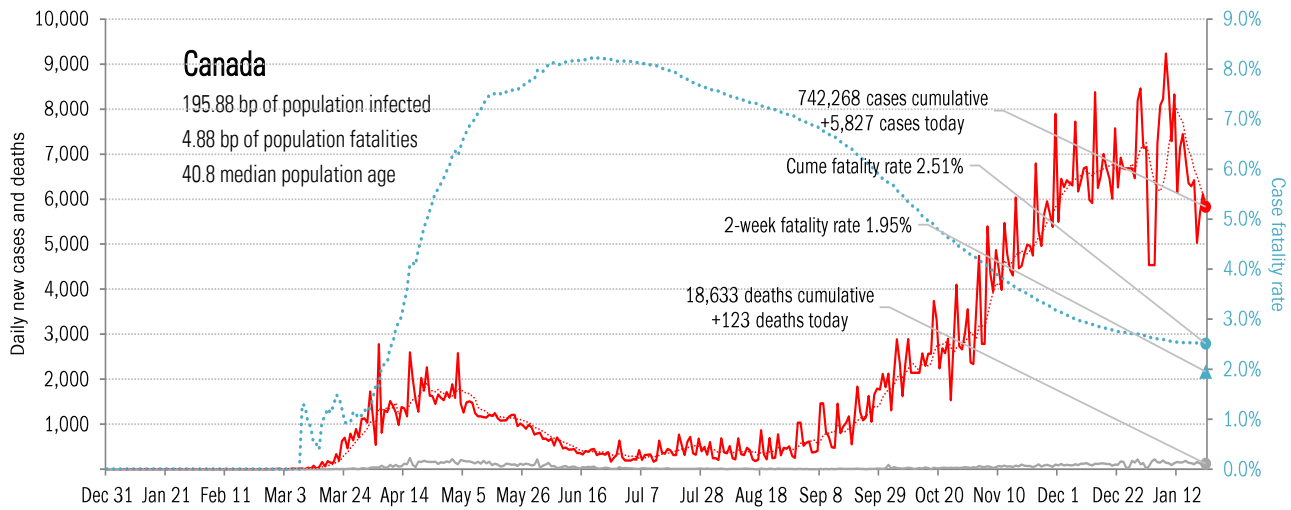
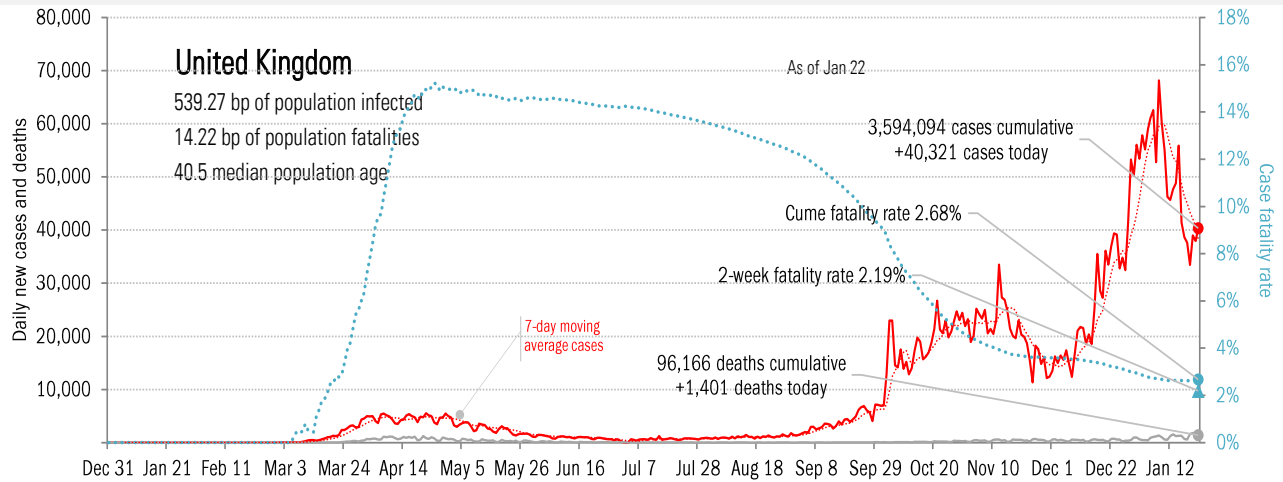
# Impact in the largest economies



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

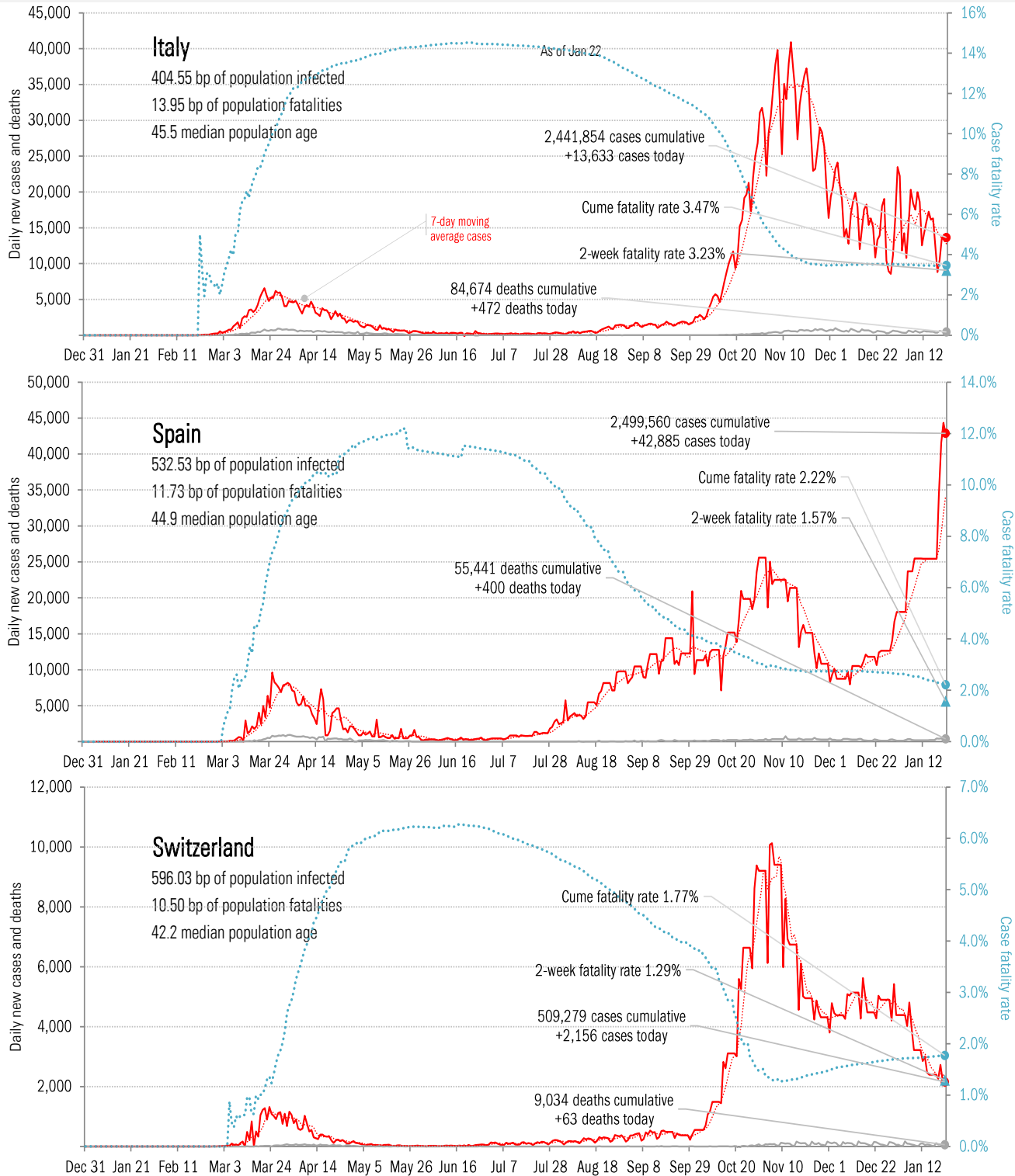


# Impact in The Anglosphere



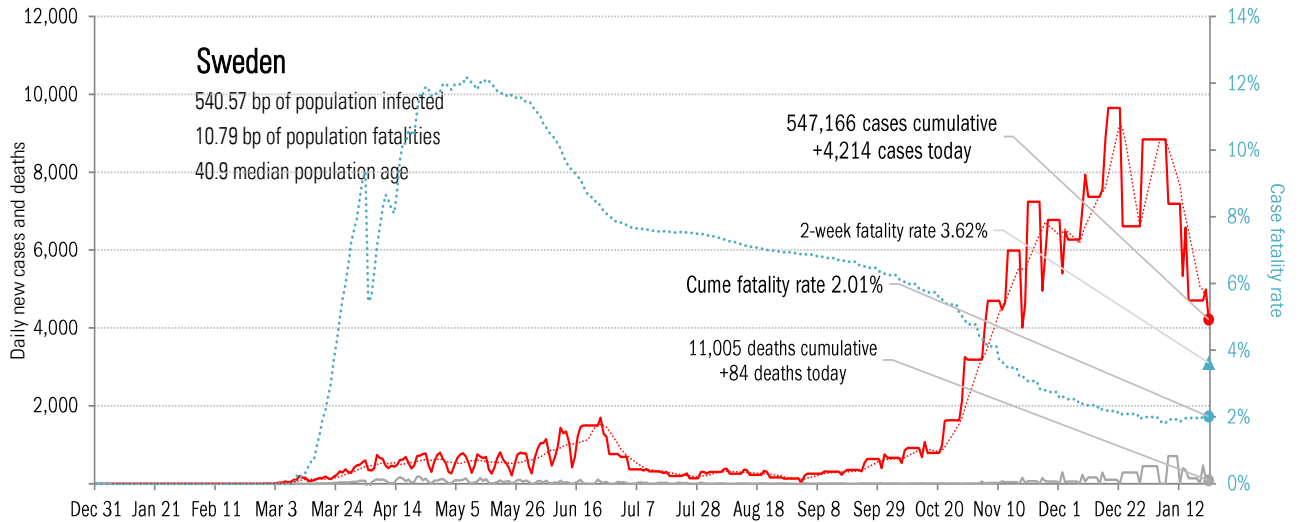
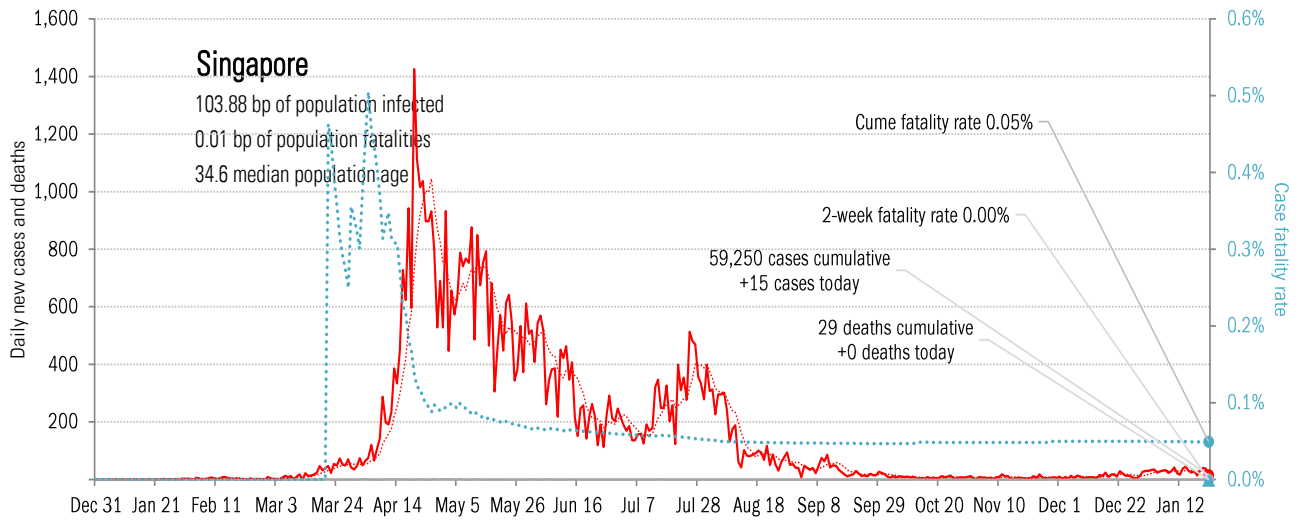
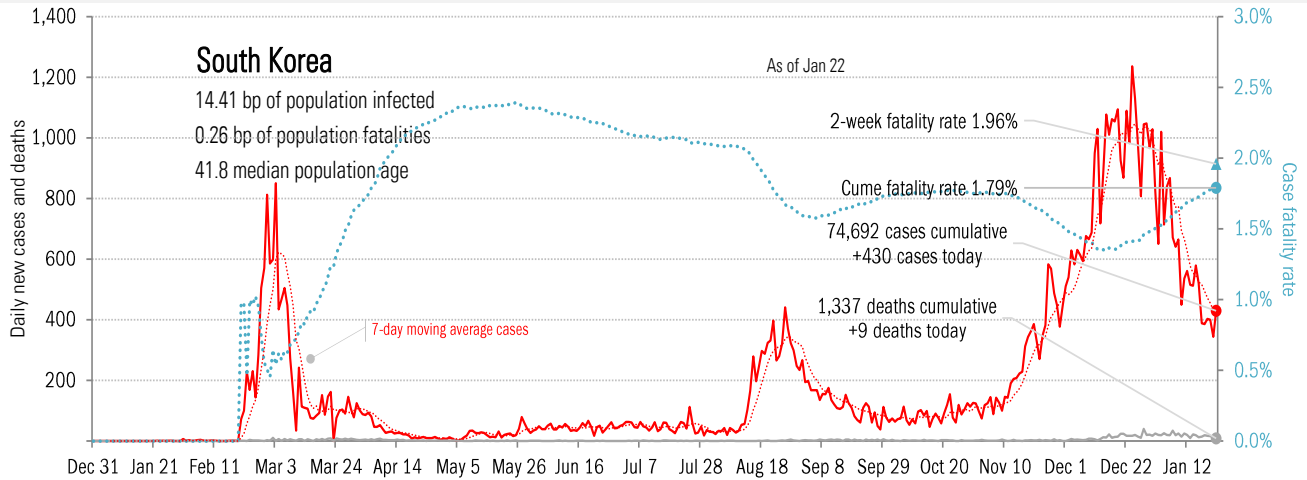
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe



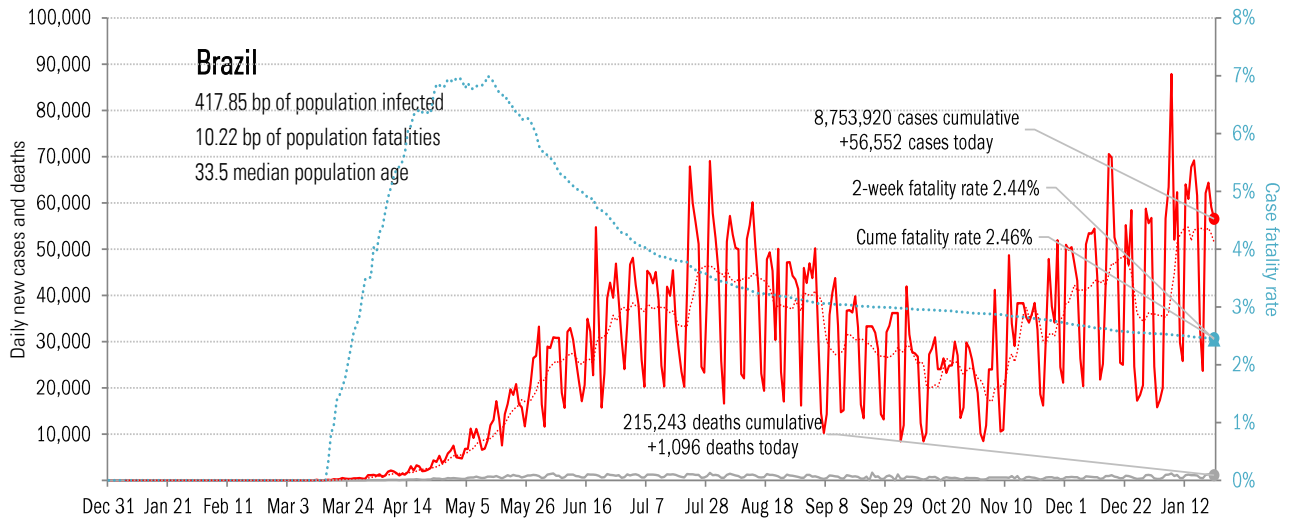
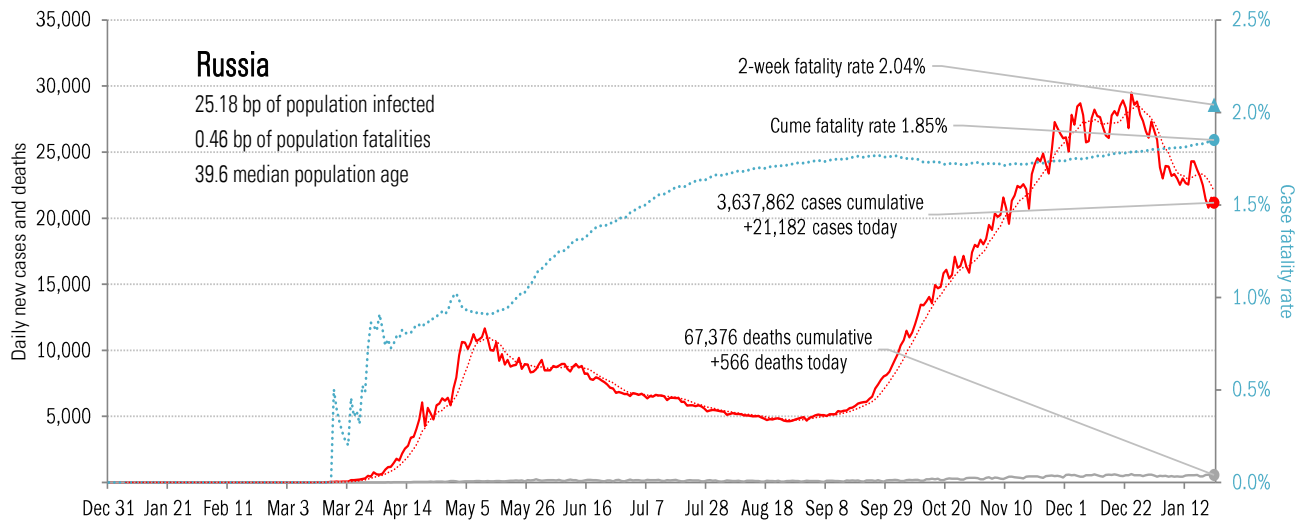
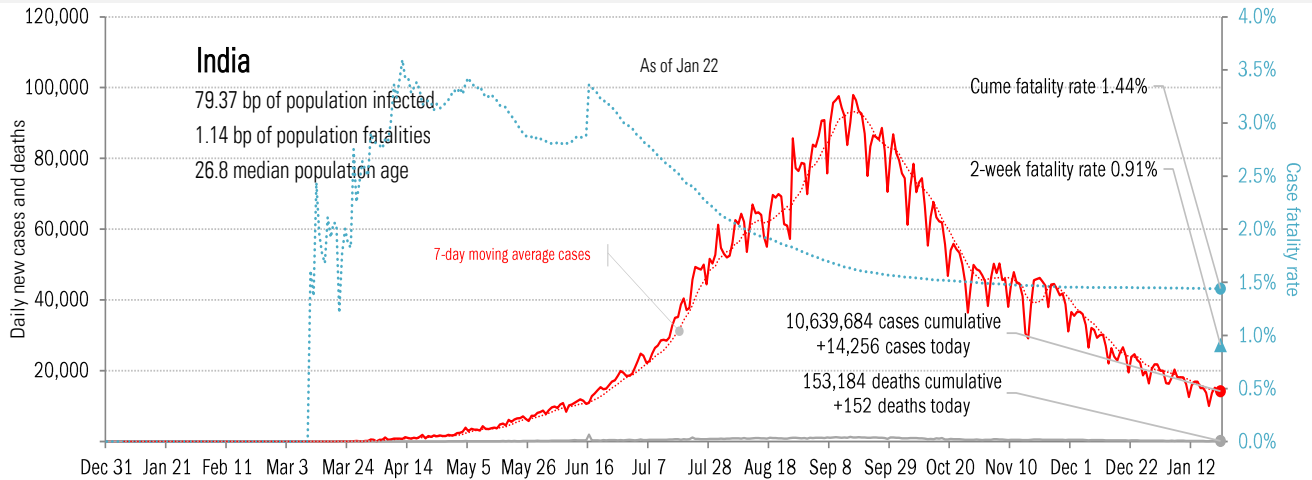
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



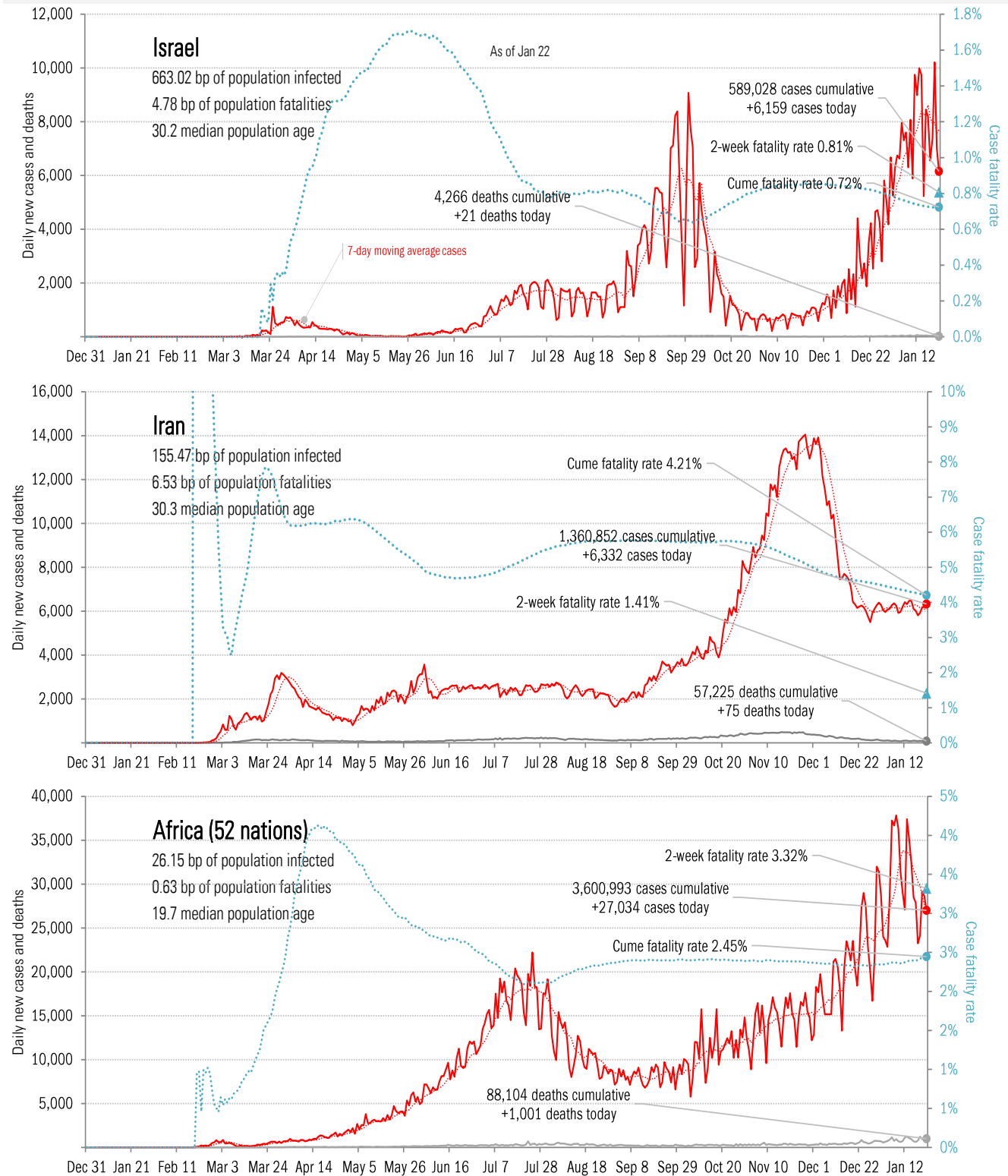
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



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

# Impact in the Middle East and Africa



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