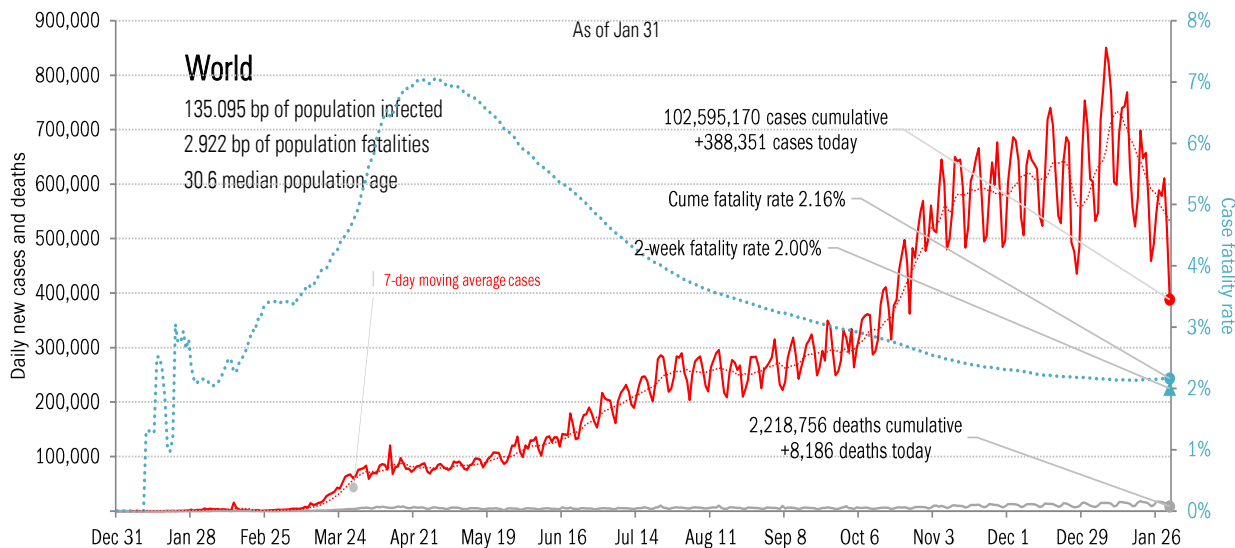
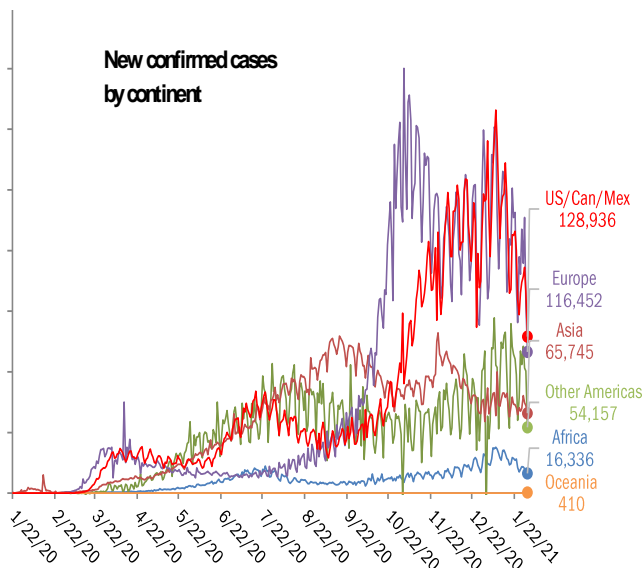


## Data Insights: Covid-2019 Monitor

Monday, February 1, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+118,211	United States	+2,055
Brazil	+27,756	United Kingdom	+590
United Kingdom	+21,190	Brazil	+559
France	+19,235	Russia	+473
Russia	+18,083	Mexico	+462
Indonesia	+12,001	Colombia	+333
India	+11,436	Portugal	+303
Italy	+11,249	Indonesia	+270
Portugal	+9,498	Italy	+237
Colombia	+8,078	South Africa	+213
<b>+256,737</b>		<b>+5,495</b>	
World	+388,351	World	+8,186
Top ten	66%	Top ten	67%



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

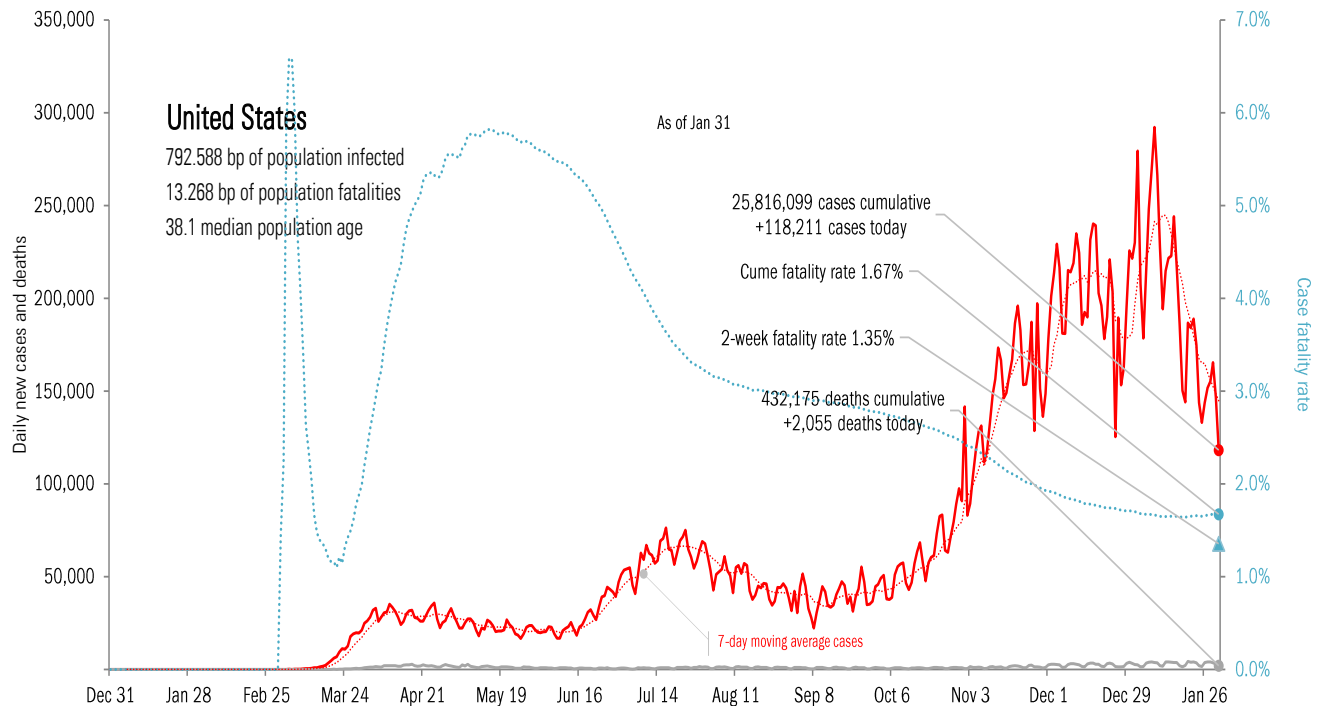
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
CA	+18,974		CA	+481		DE	+12		CA	3,243,348		CA	40,697		NY	89,995		RI	104%	GA	89%
TX	+11,370		IA	+250		FR	+6		TX	2,360,632		TX	36,491		FL	73,384		GA	80%	CA	88%
NY	+10,793		TX	+171		VT	+6		FL	1,689,700		NY	35,178		NJ	60,544		CT	80%	RI	88%
FL	+7,604		NY	+142		AL	+5		NY	1,410,656		FL	26,915		AZ	52,764		CA	79%	DE	88%
AZ	+5,025		AL	+122		DC	+4		IL	1,126,301		PA	21,661		GA	50,237		MA	79%	AL	87%
NC	+4,899		FL	+120		AK	+3		OH	895,792		NJ	21,484		CH	46,215		SC	78%	OK	85%
NJ	+4,286		TN	+76		AR	+2		PA	843,224		IL	21,253		AL	41,859		MD	78%	TX	83%
AL	+4,057		PA	+59		ND	+2		AZ	758,404		MI	15,525		IN	40,348		FL	77%	FL	83%
PA	+3,985		LA	+58		AS	+0		NC	757,526		MA	14,577		MD	32,055		MO	76%	NC	82%
SC	+3,601		CH	+54		CO	+0		GA	749,867		GA	14,198		MN	24,308		DC	76%	MS	81%
+74,594			+1,533			+40			13,835,450			247,979			511,709						
All states	+118,211		+2,055			-2548			All states	25,816,099		432,175			806,952			All states	71%	74%	
Top ten	63%		75%			-2%			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	
TX	-7,864	GA	-208	PA	-146	TX	+14,799
FL	-7,050	TX	-161	NJ	-133	CH	+3,995
NY	-2,011	CA	-157	LA	-130	TN	+2,448
GA	-1,876	MI	-115	NM	-79	UT	+2,311
VA	-1,751	NC	-82	VA	-57	OK	+2,163

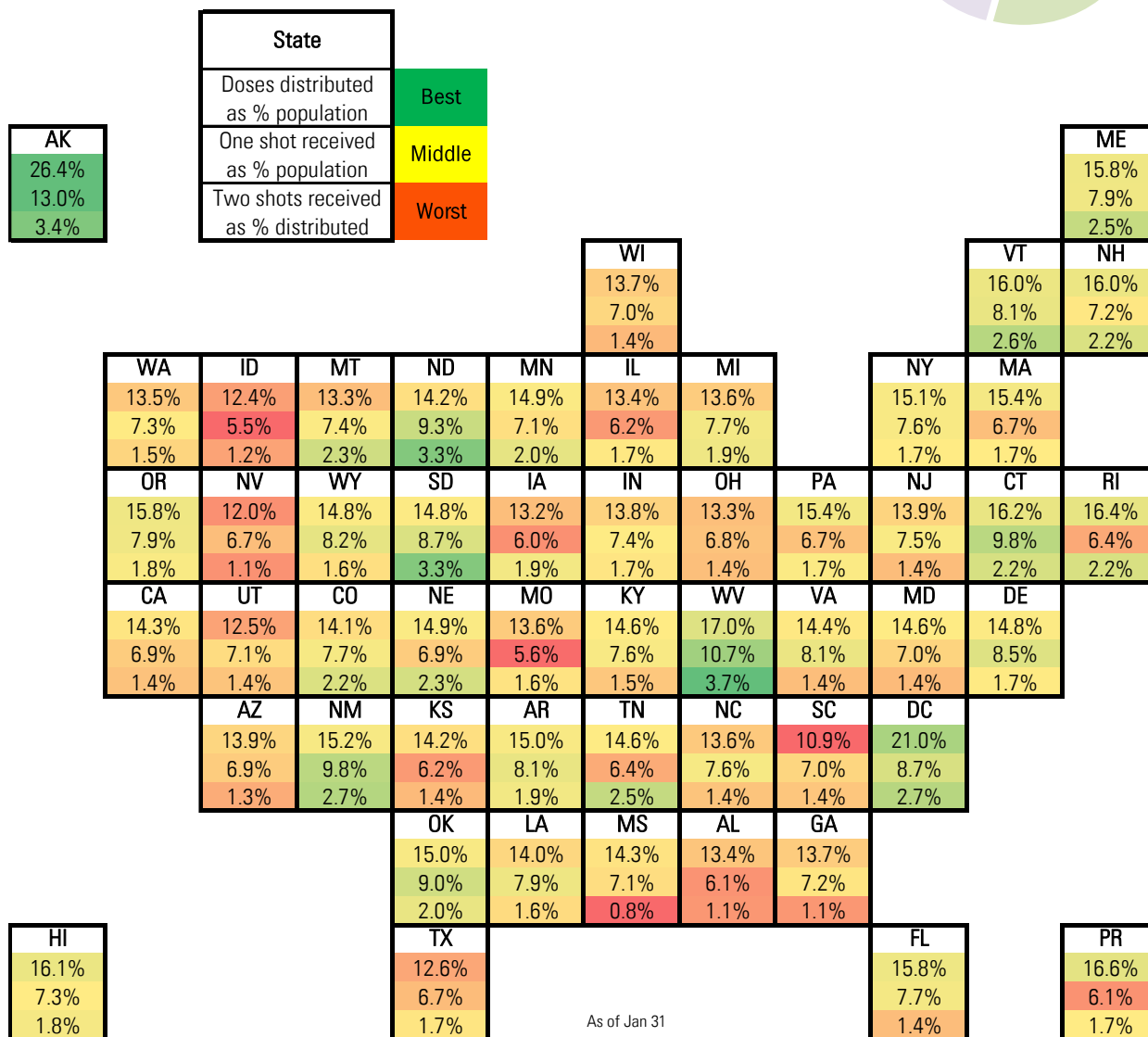
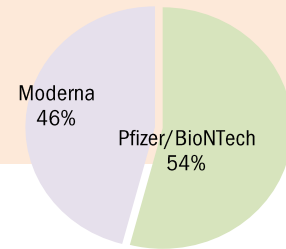


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US

US overall	Over last day
49.93 million doses distributed	+0.00 million/day
31.12 million doses administered	+1.55 million/day
25.20 million persons with one or more shot	+1.14 million/day
5.66 million persons with two or more shots	+0.40 million/day
3.68 million shots in long-term care	+0.18 million/day

**62.3% of distributed doses administered**  
**9.5% of US population vaccinated**  
 7.7% of US population 1 shot      1.7% 2 shots  
**82.2% of US LTC resident/staff vaccinated**  
 69.3% of LTC resident/staff 1 shot      12.7% 2 shots

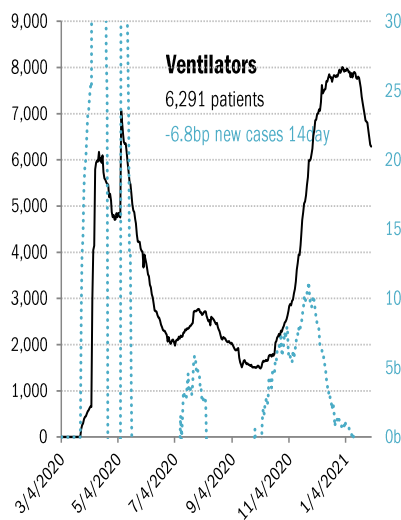
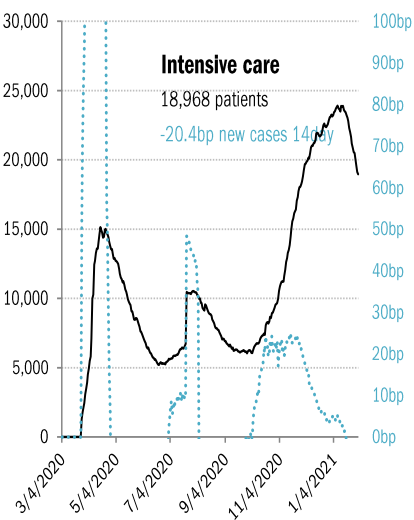
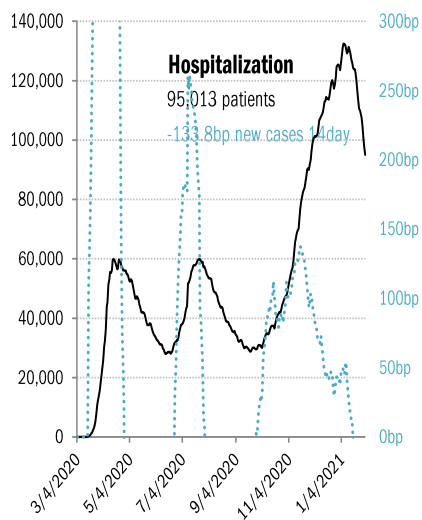
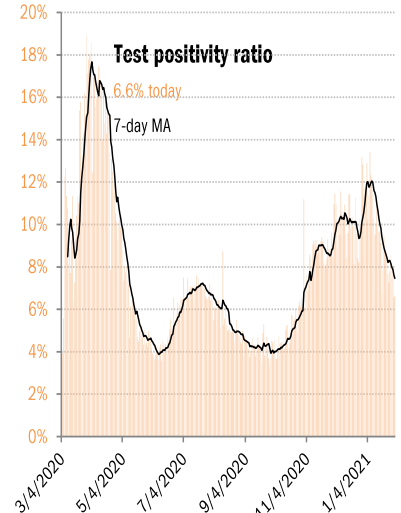
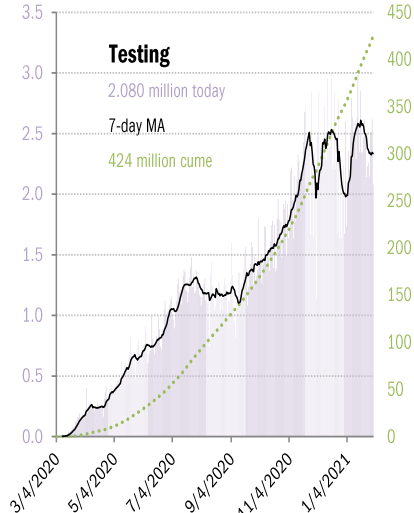
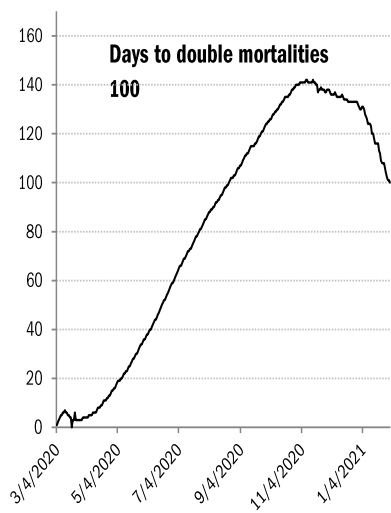
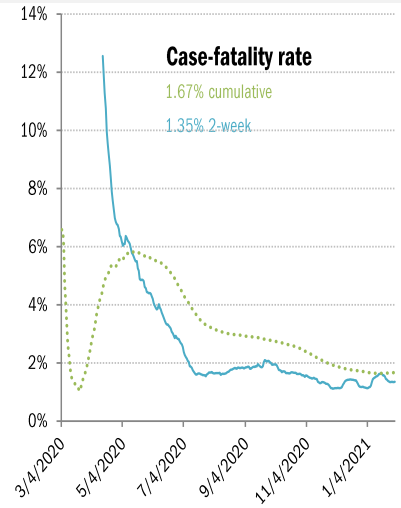
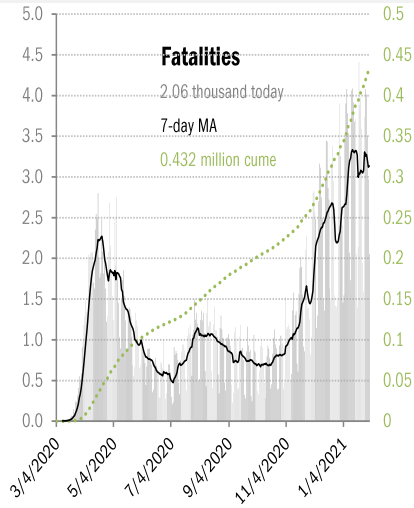
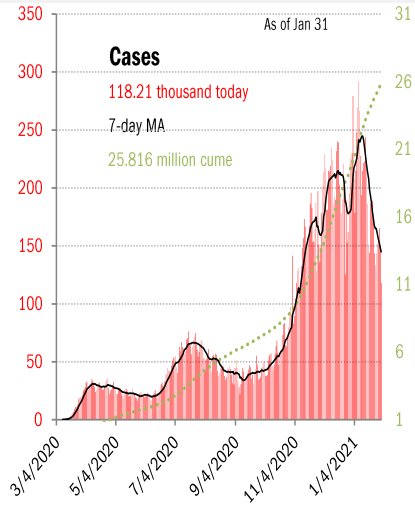


As of Jan 31

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

# US deep-dive

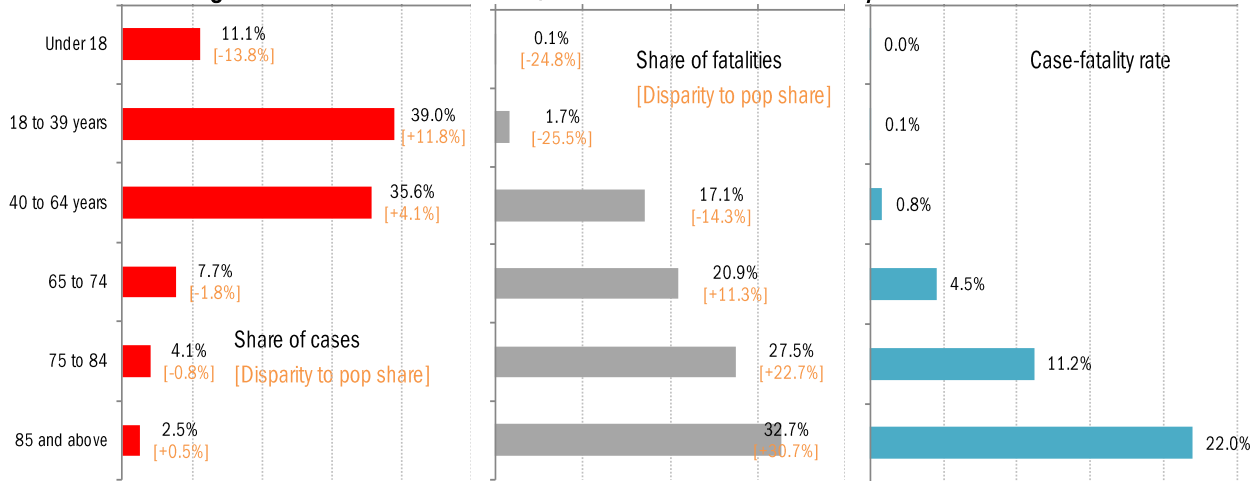
National and state-by-state data do not line up because of different sources



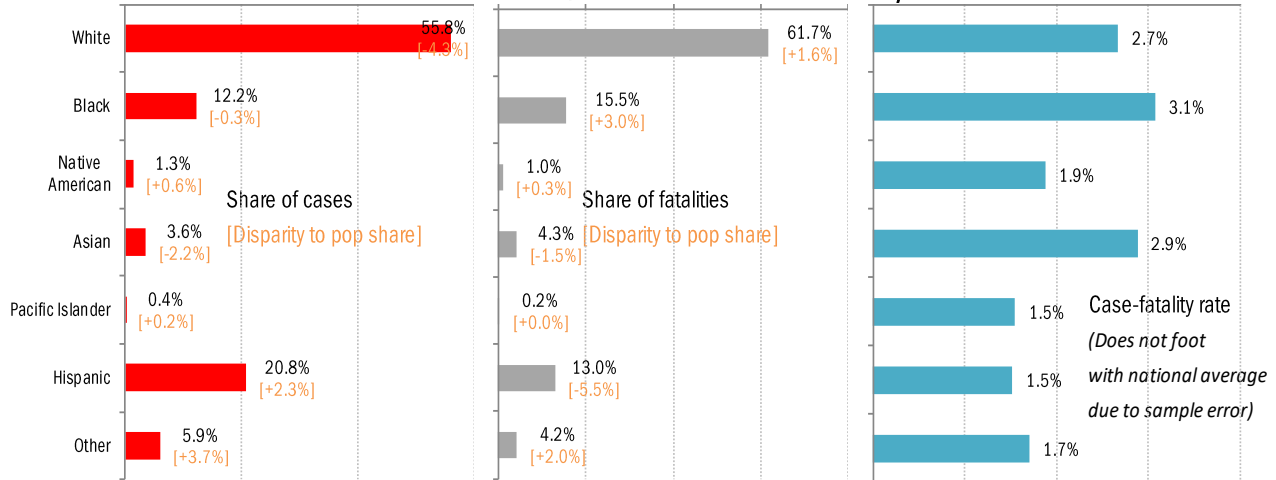
Source: [Covid Tracking Project](#), TrendMacro calculations

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

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

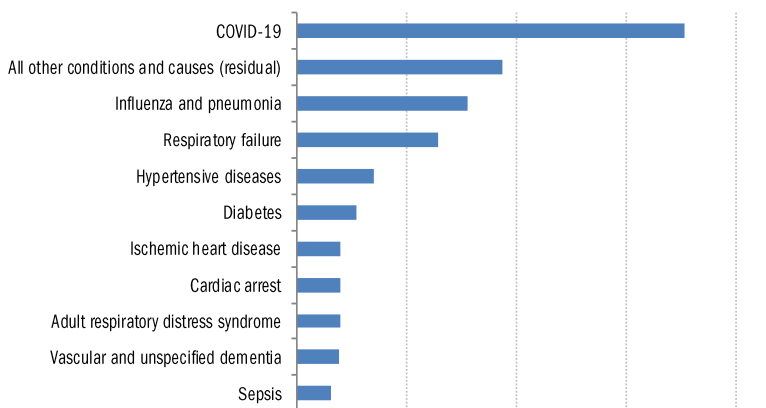


## Racial distribution of US cases, fatalities and case-fatality rates



## 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

[If You Squeeze the Coronavirus, Does It Shatter?](#)

Katherine J. Wu  
*New York Times*  
January 26, 2021

[The Constitution Can Crack Section 230](#)

Philip Hamburger  
*Wall Street Journal*  
January 29, 2021

[Evidence Builds That Pregnant Women Pass Covid Antibodies to Newborns](#)

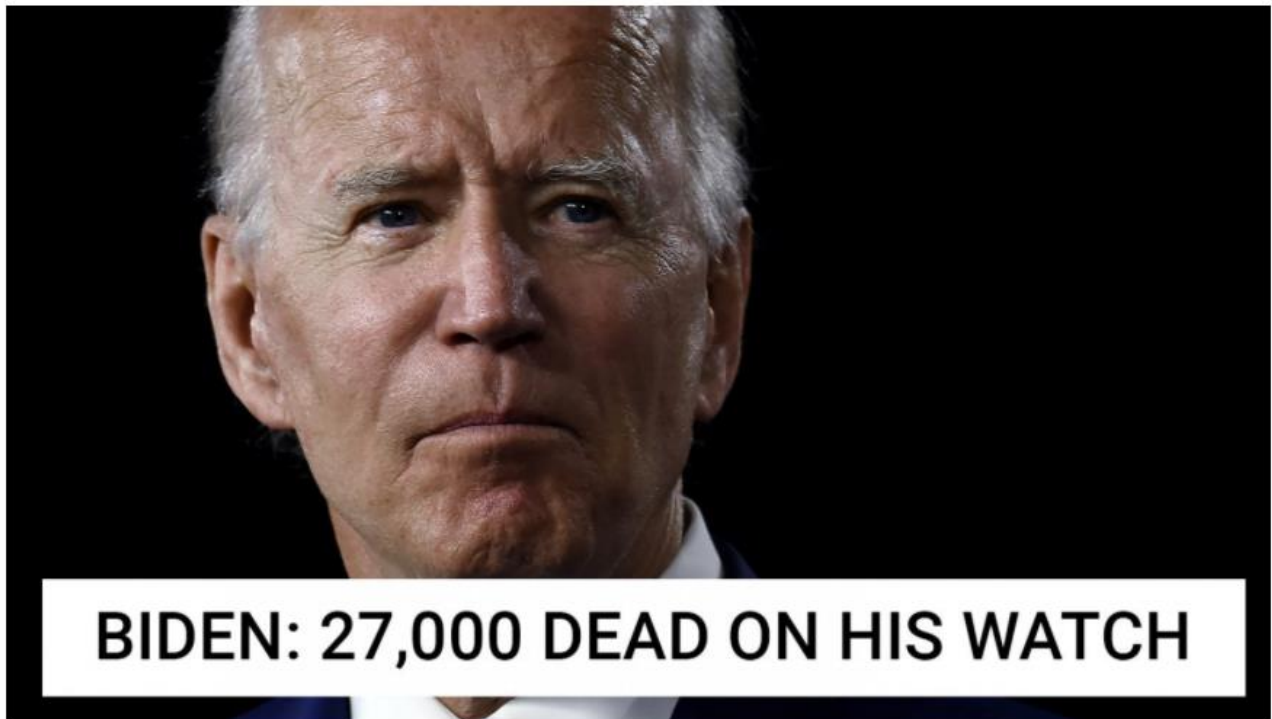
Christina Caron  
*New York Times*  
January 29, 2021

## Meme of day

Politics

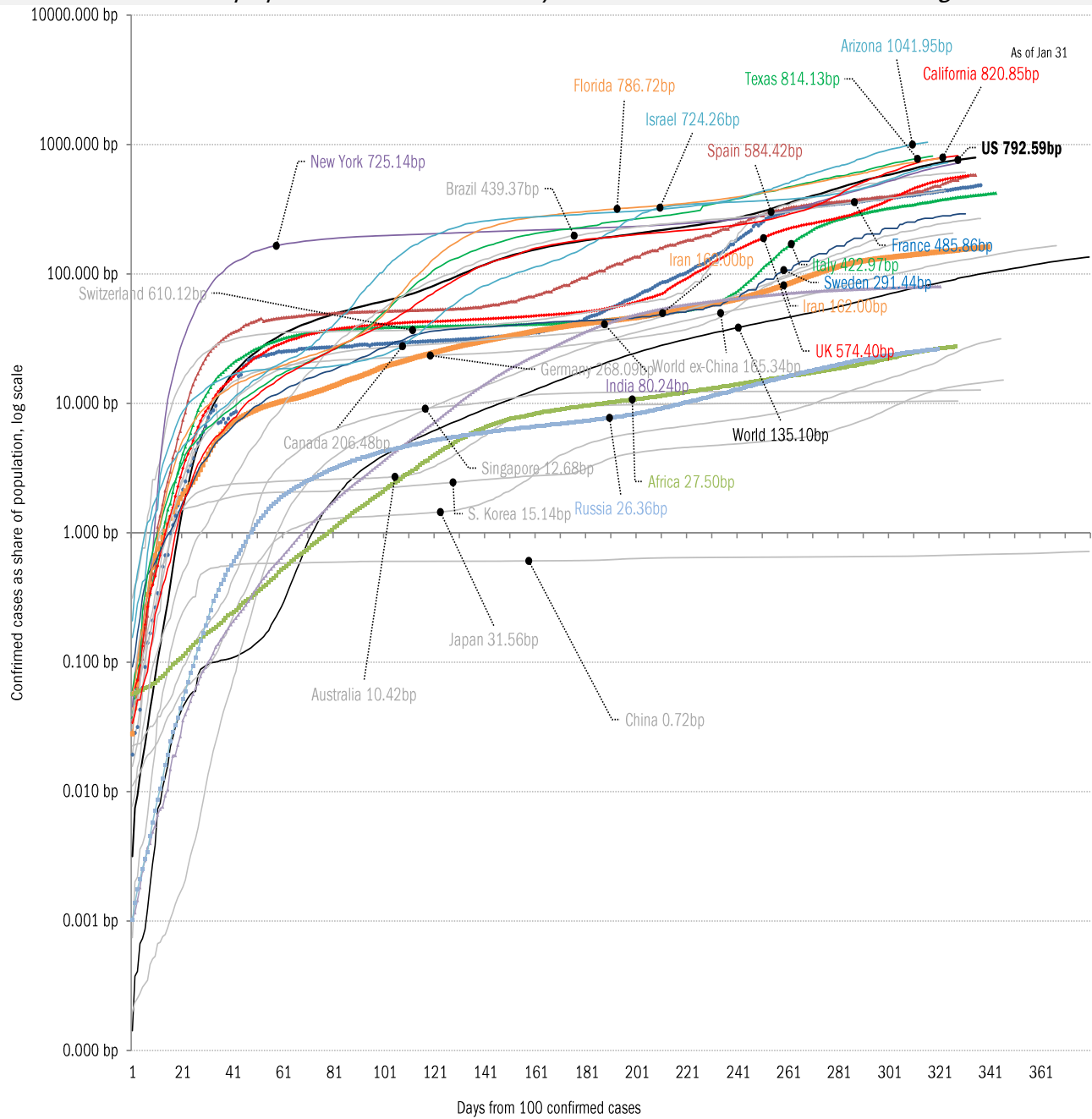
# Biden Sets Presidential Record For Most COVID Deaths During First Week In Office

January 28th, 2021



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

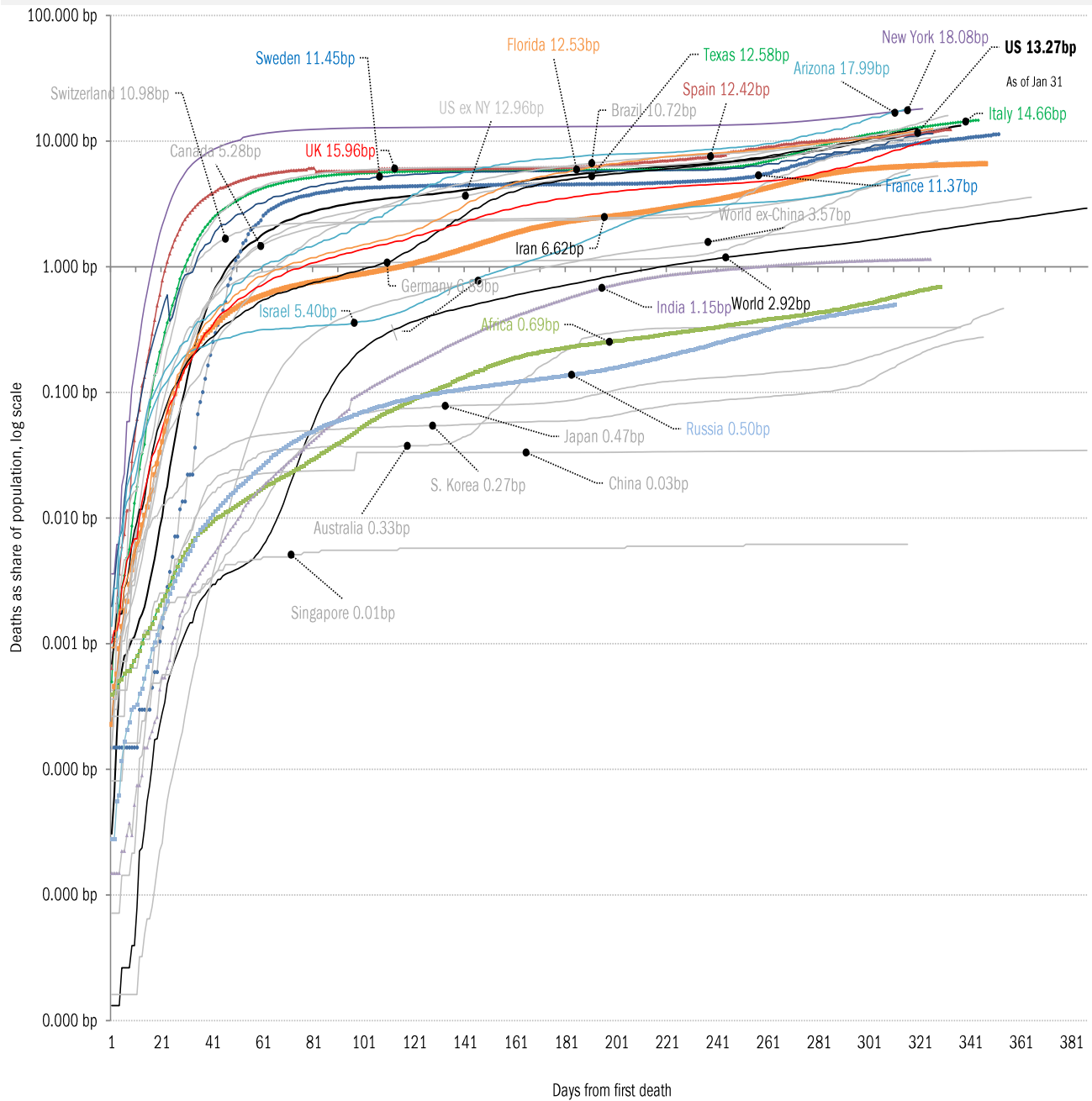
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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



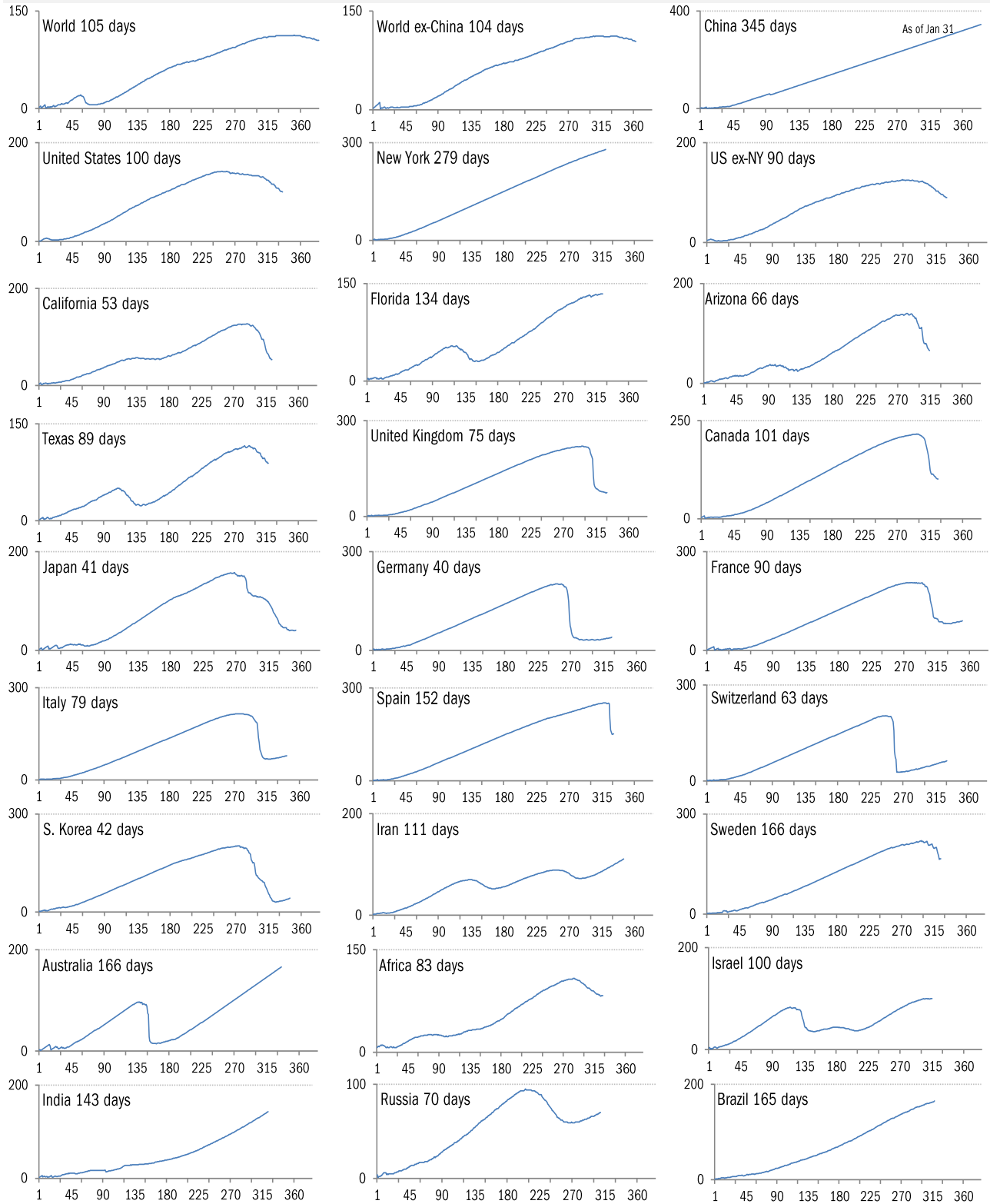
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



# "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

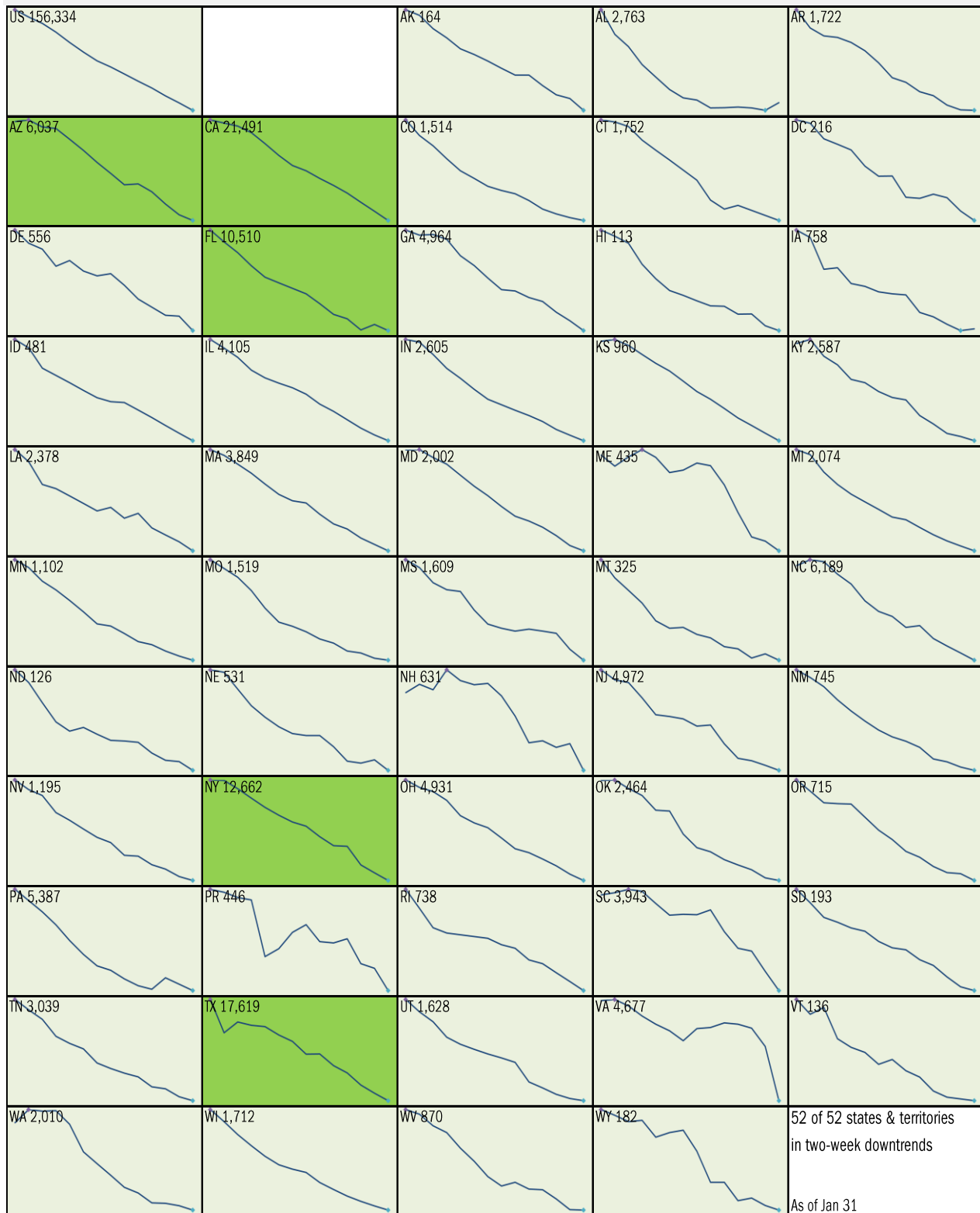


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

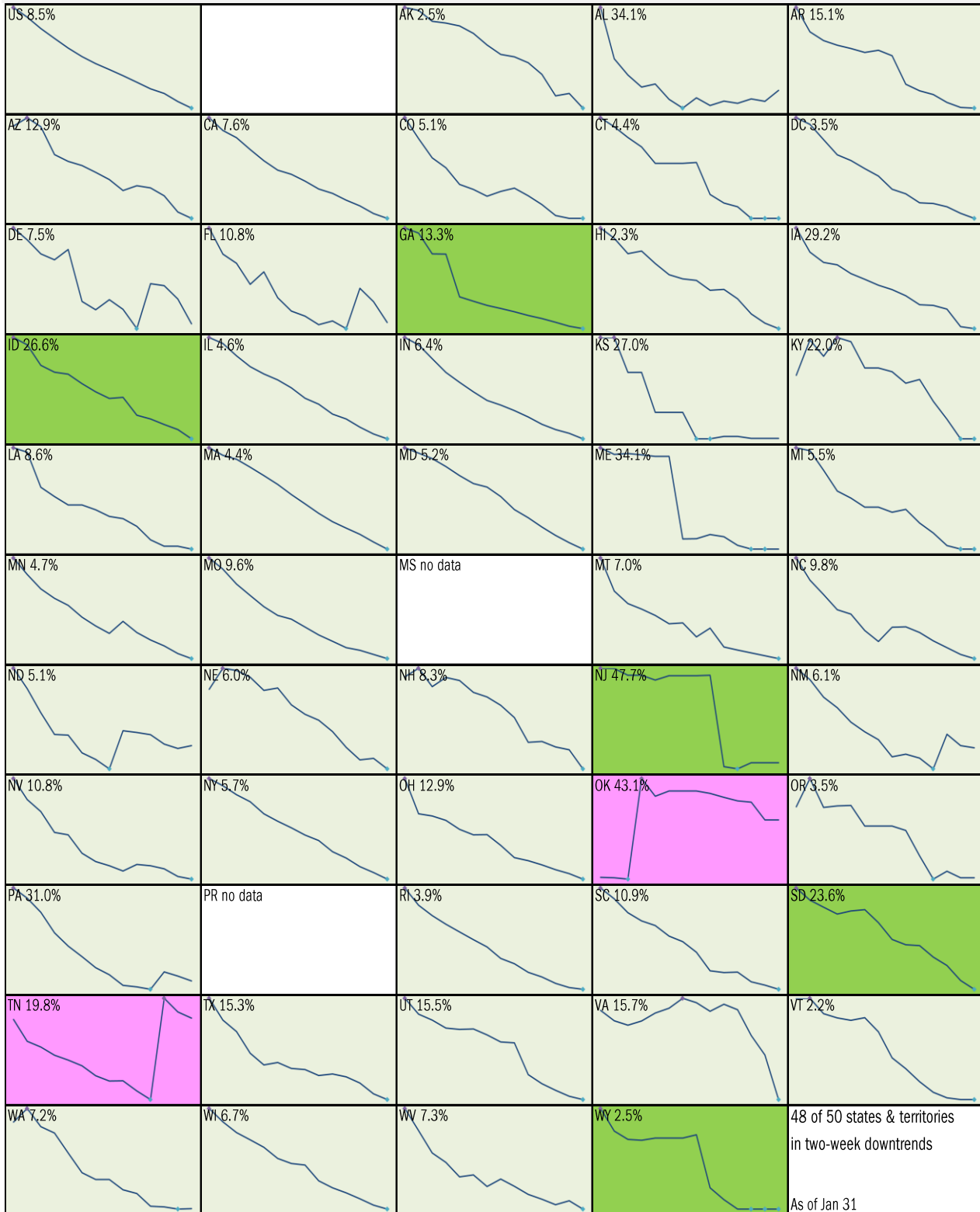
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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



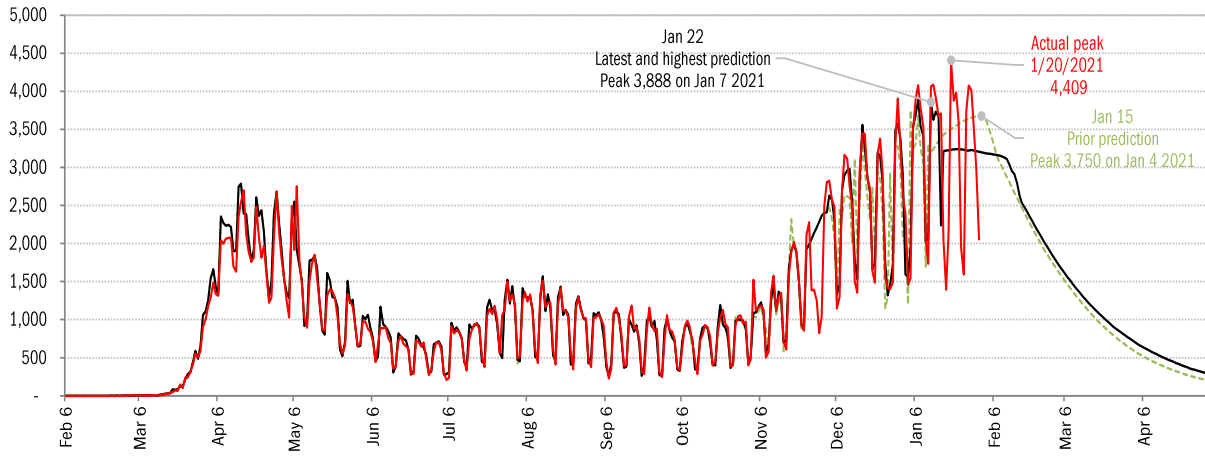
Source: [Covid Tracking Project](#), TrendMacro calculations

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

## New daily fatalities

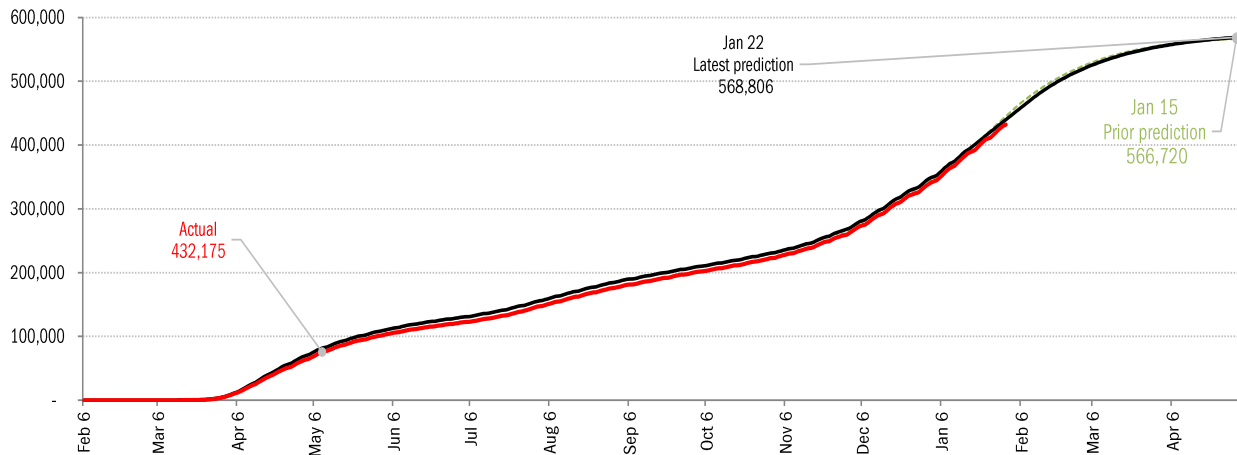
As of Jan 31

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

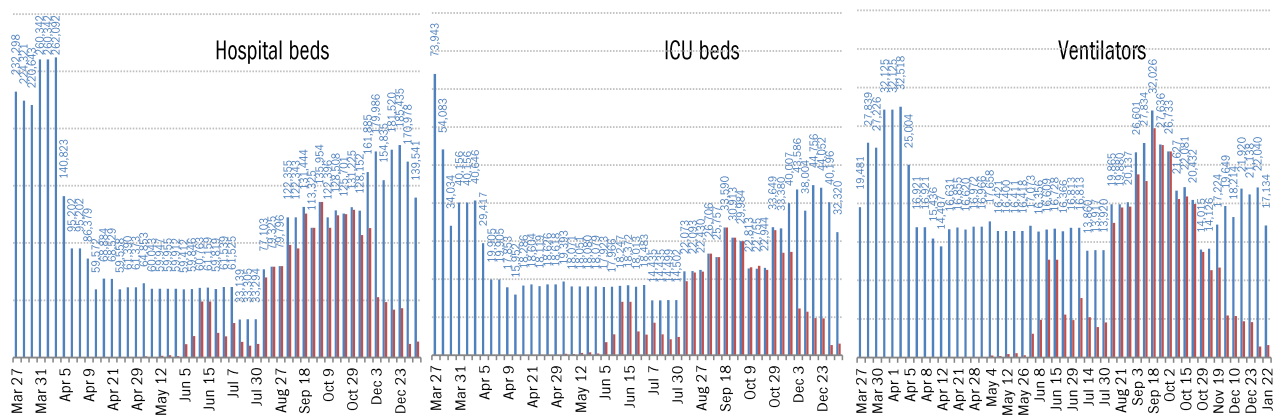


## Cumulative fatalities

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

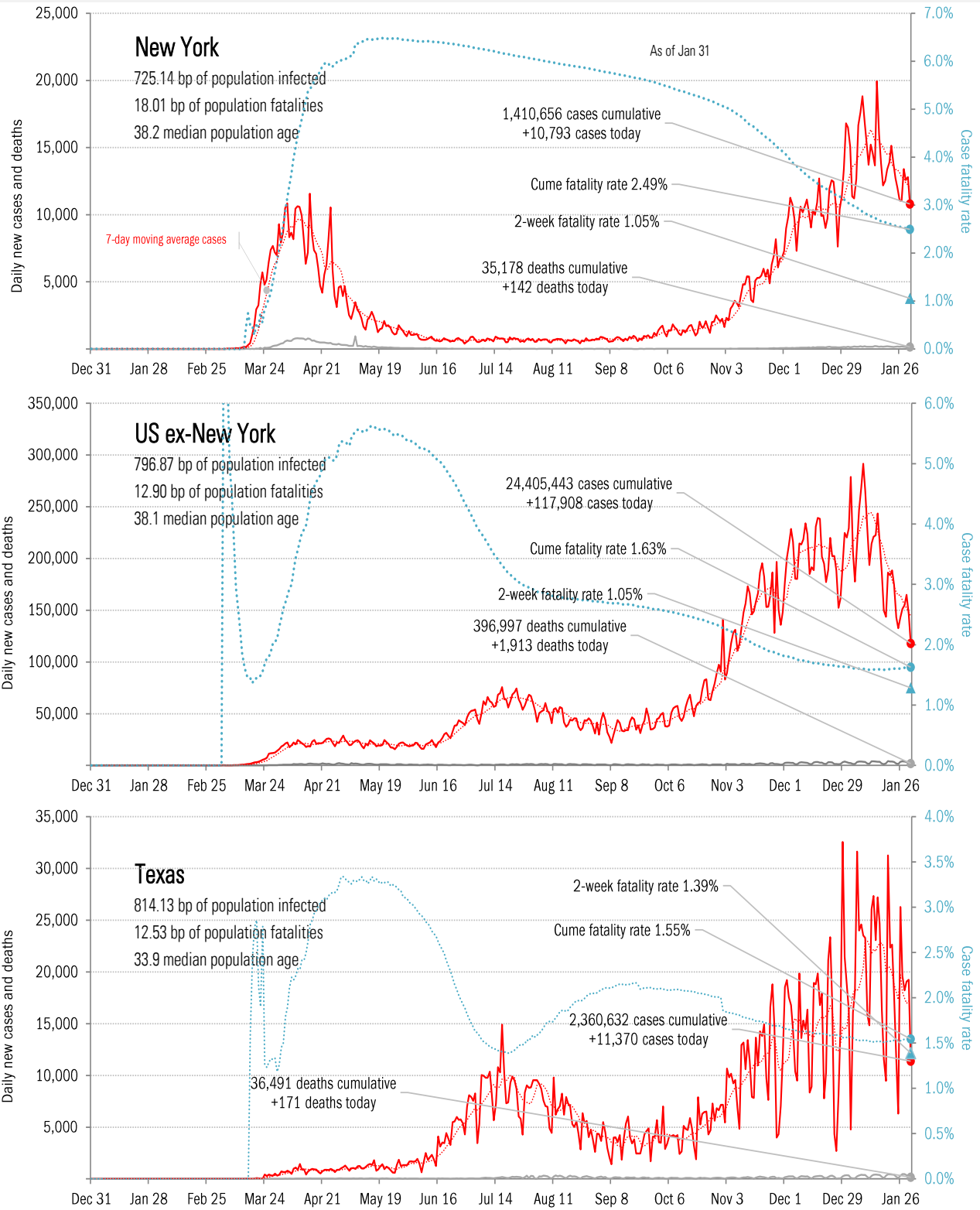


## Healthcare system stress, **peak** and **ultimate** estimated at each model revision



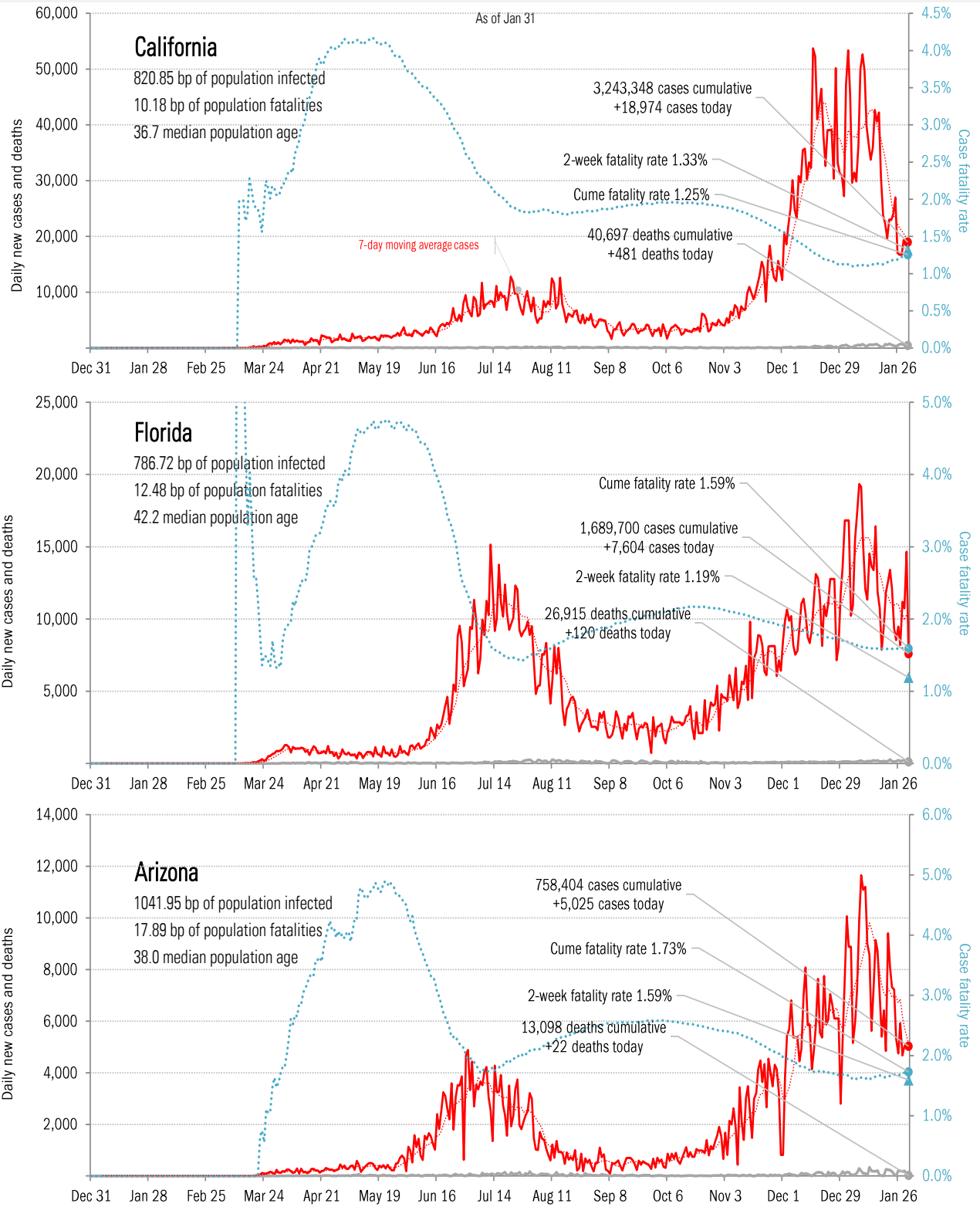
Source: [IHME Covid Tracking Project](#) TrendMacro calculations

# From Ground Zero to the Rio Grande



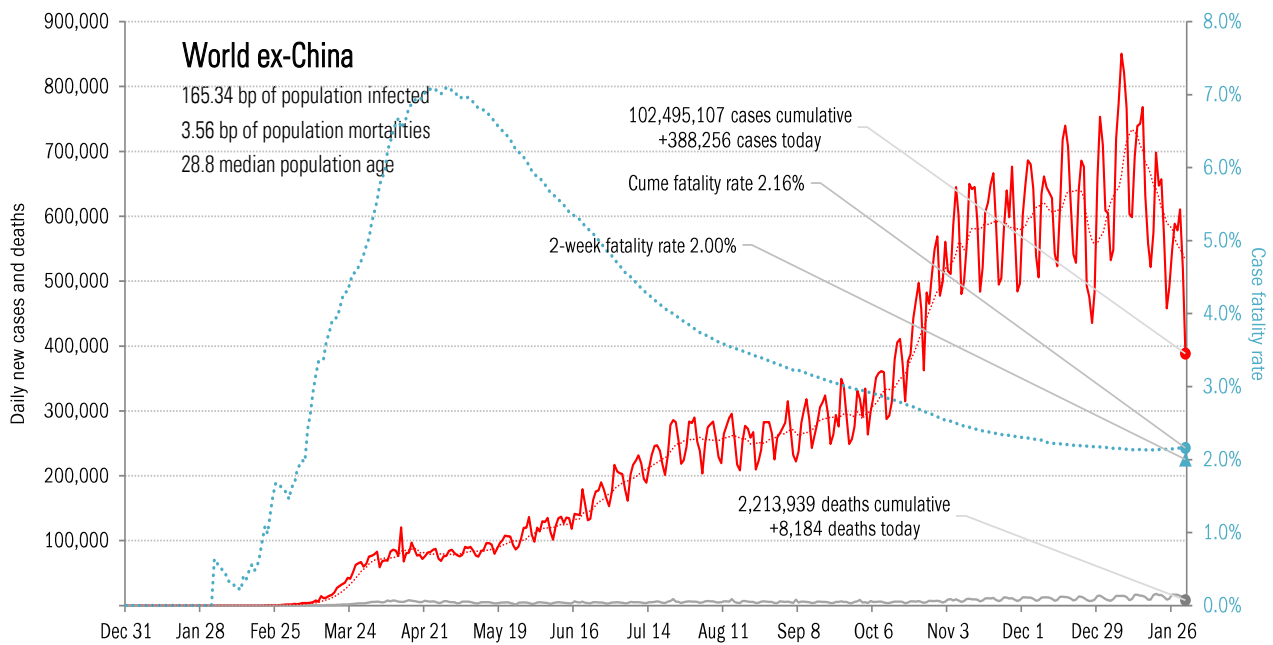
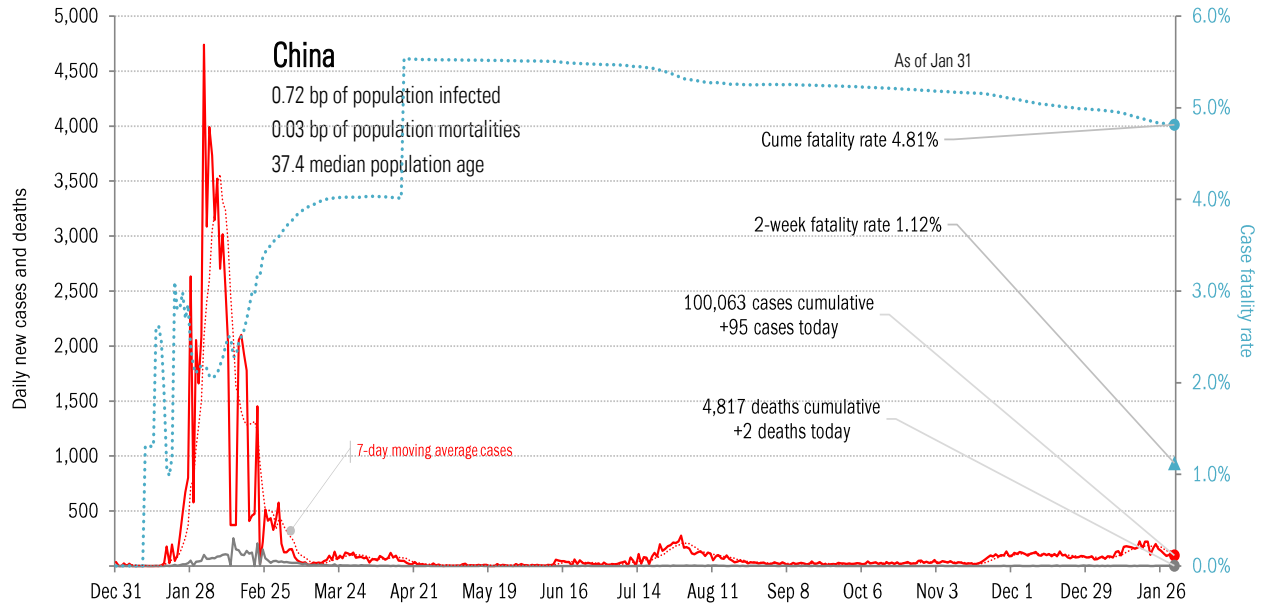
Source: [Covid Tracking Project](#), TrendMacro calculations

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



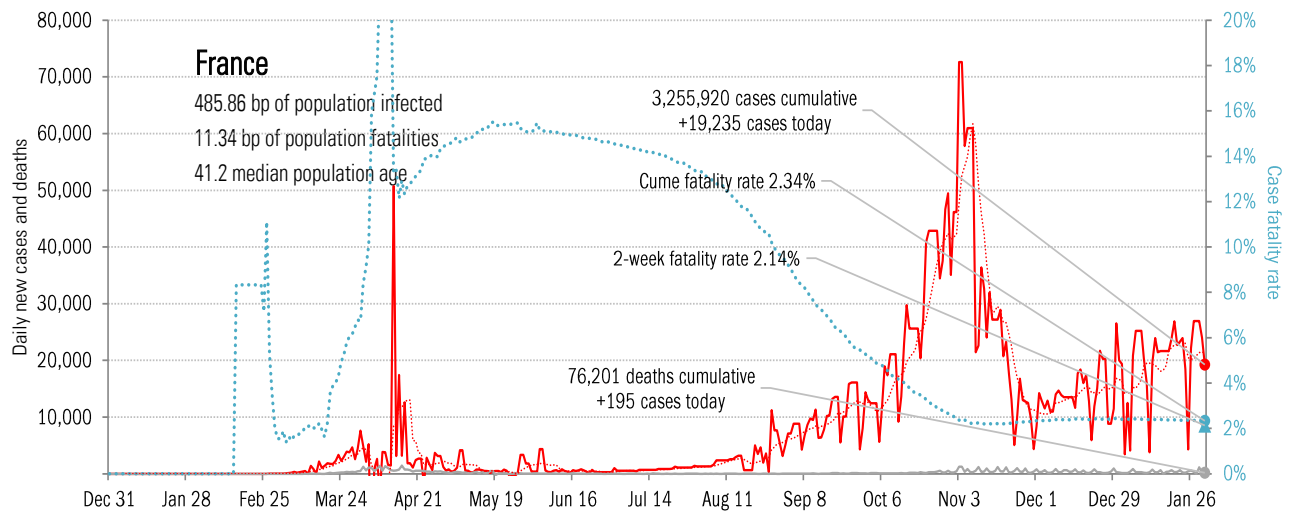
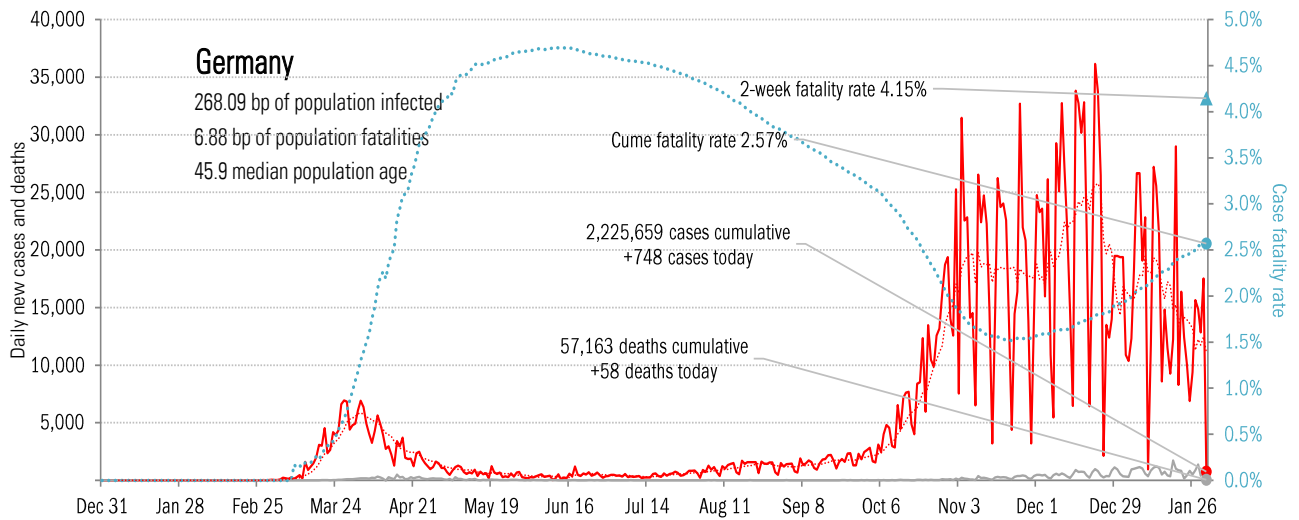
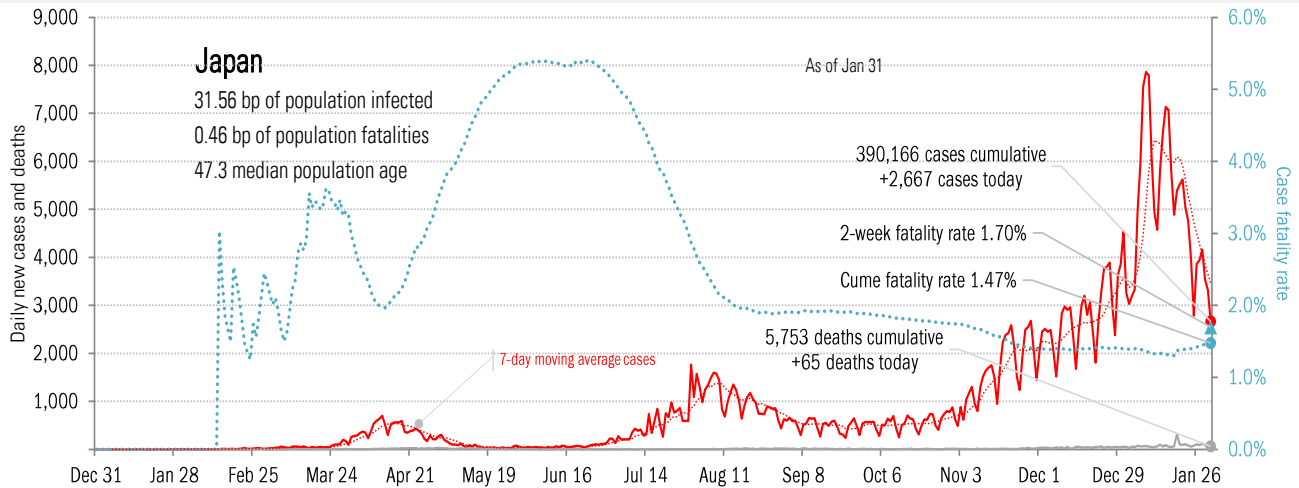
Source: [Covid Tracking Project](#), TrendMacro calculations

# Patient zero... and then everyone else



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

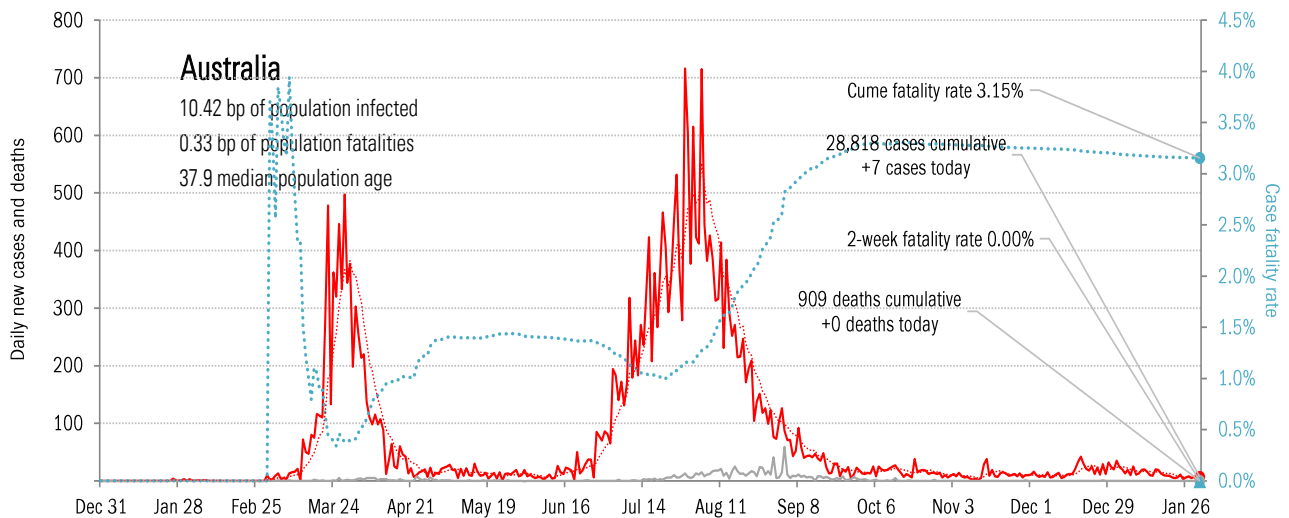
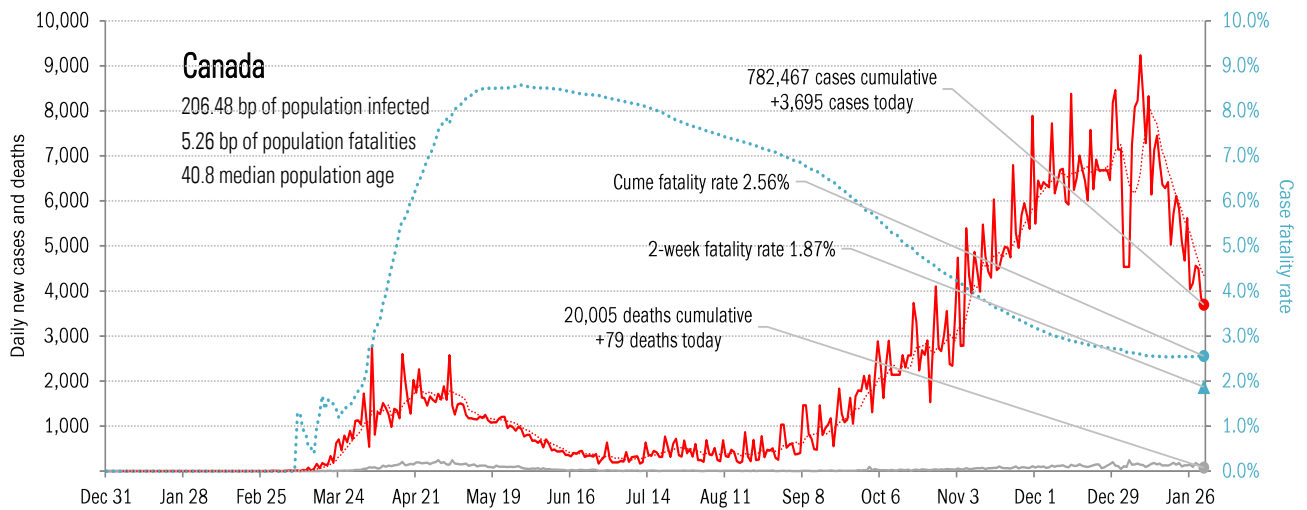
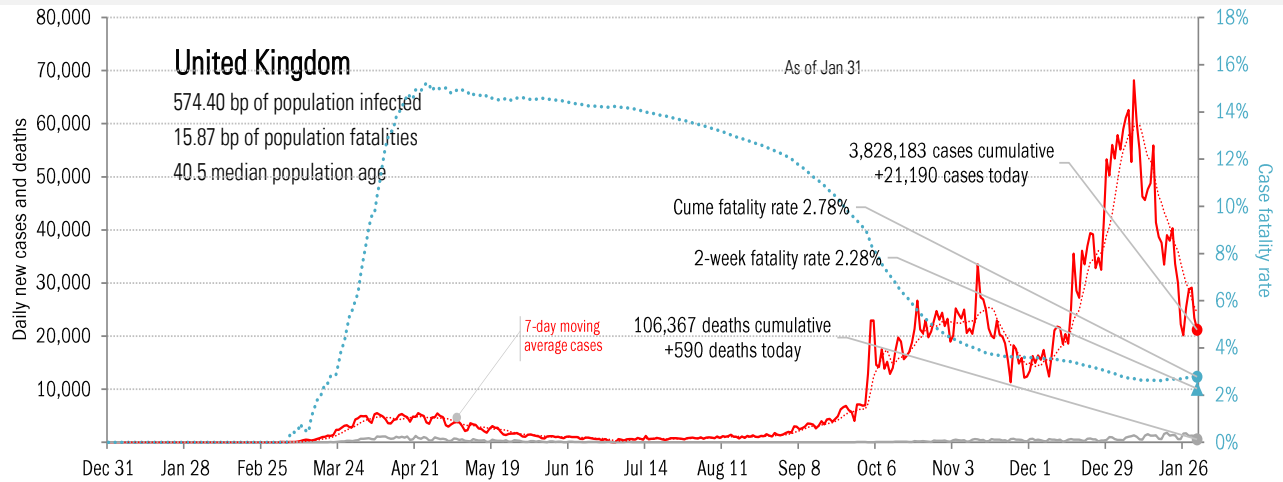
# Impact in the largest economies



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

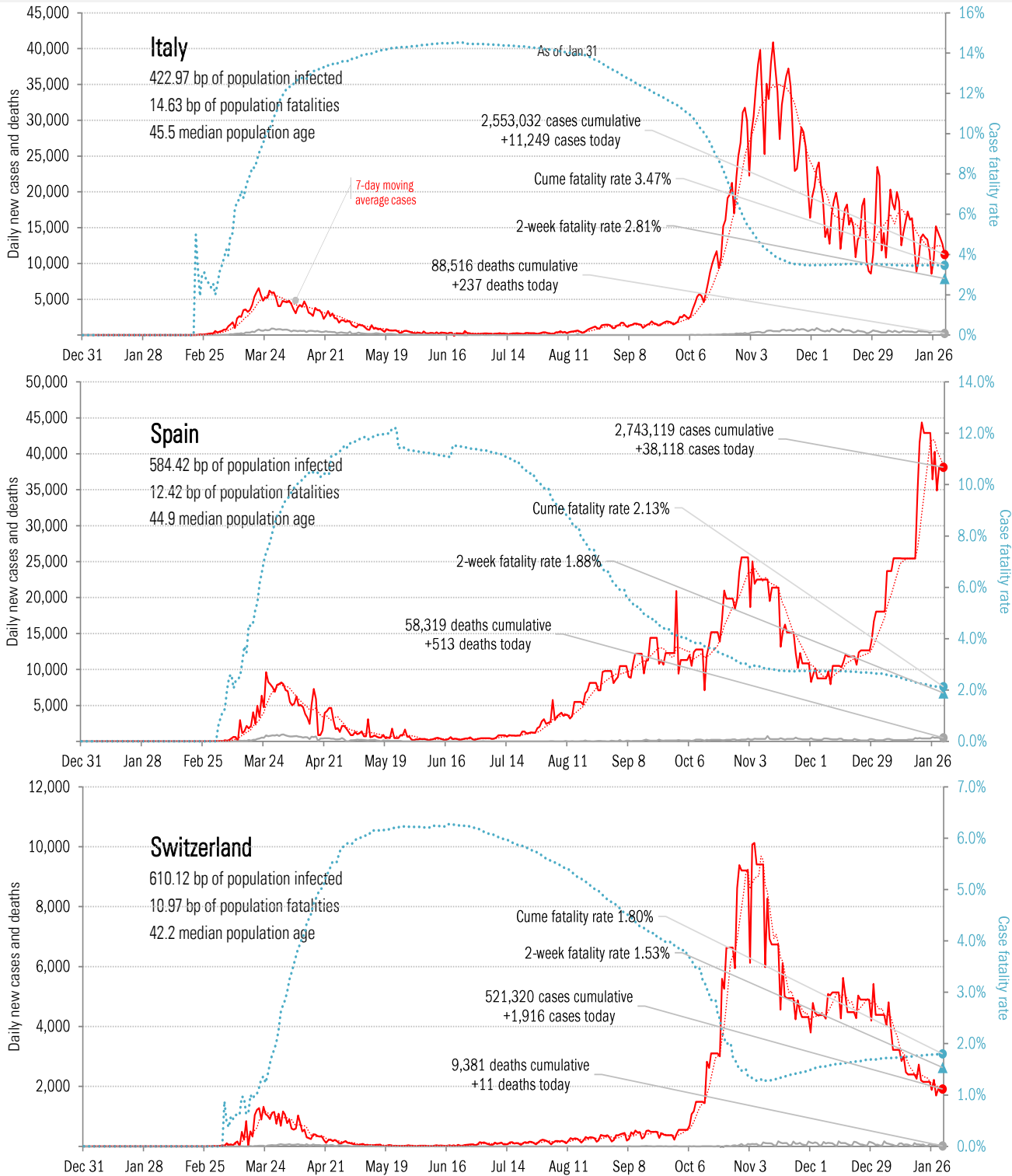


# Impact in The Anglosphere



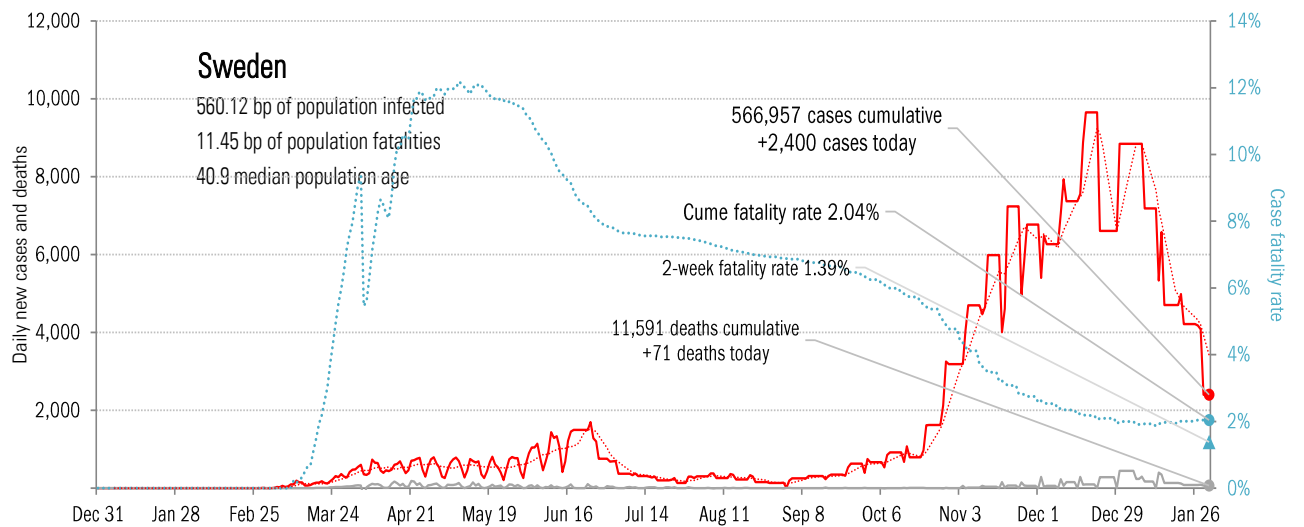
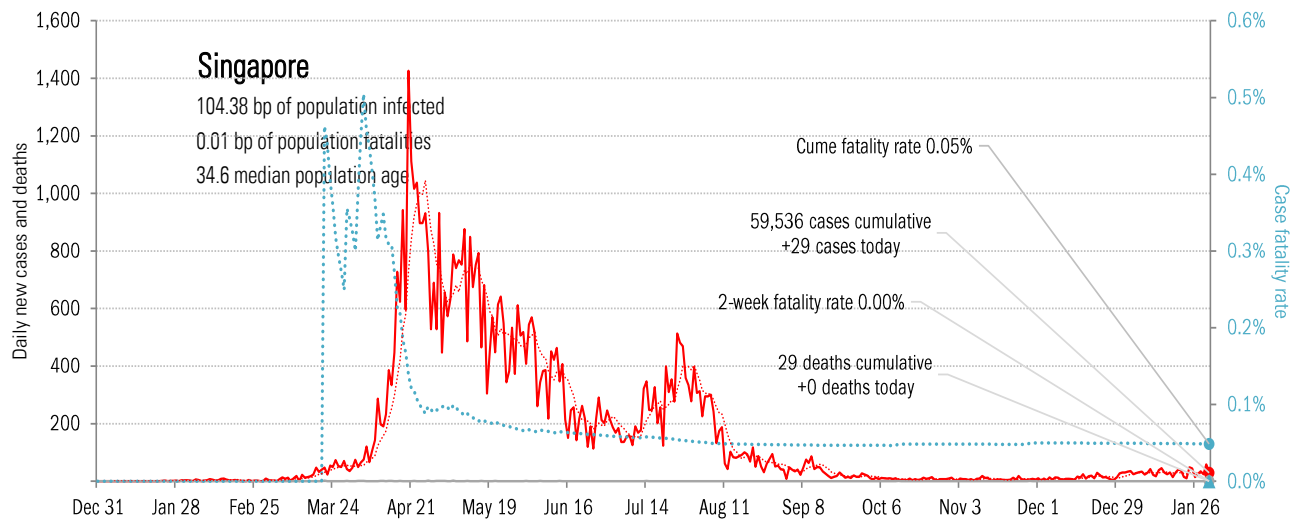
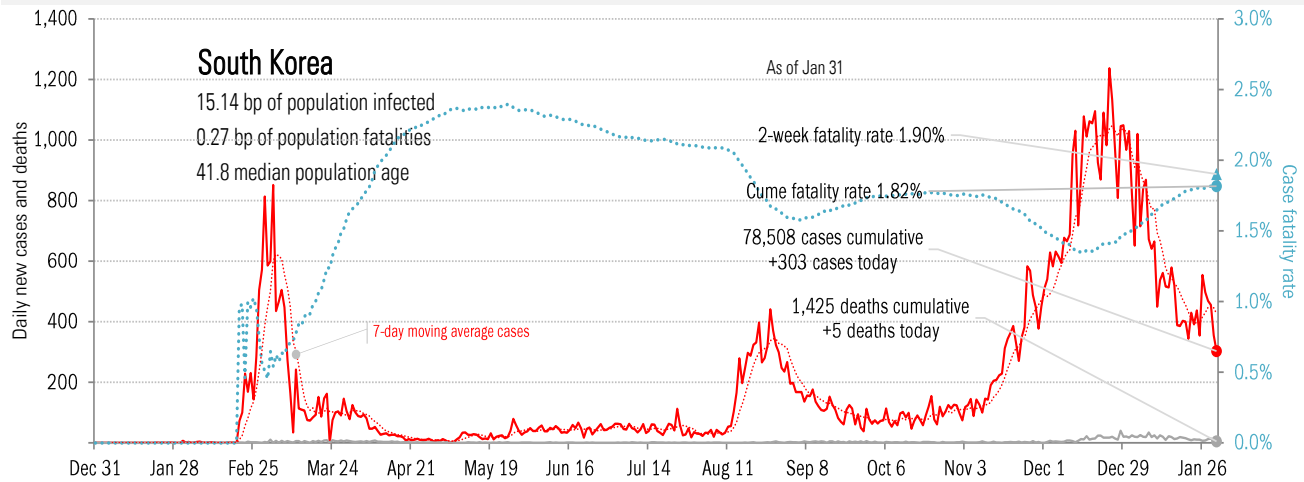
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe



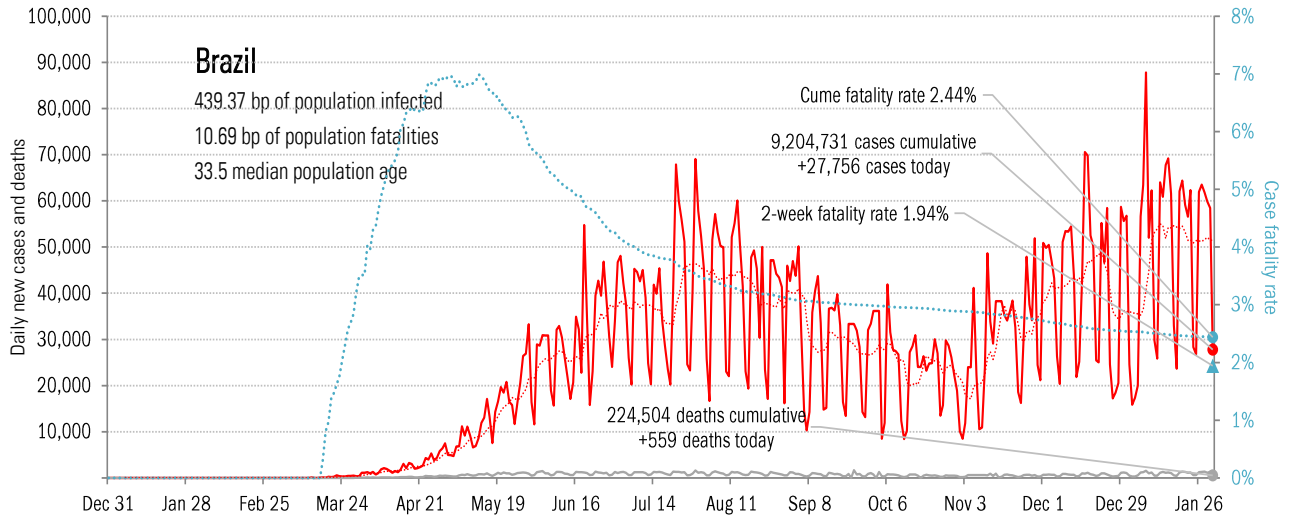
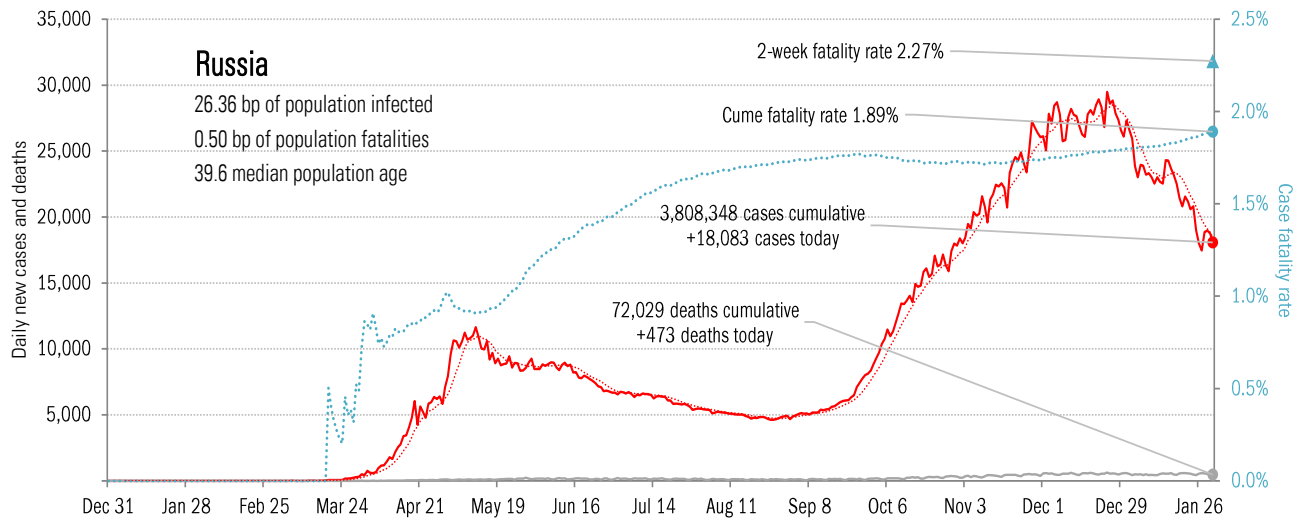
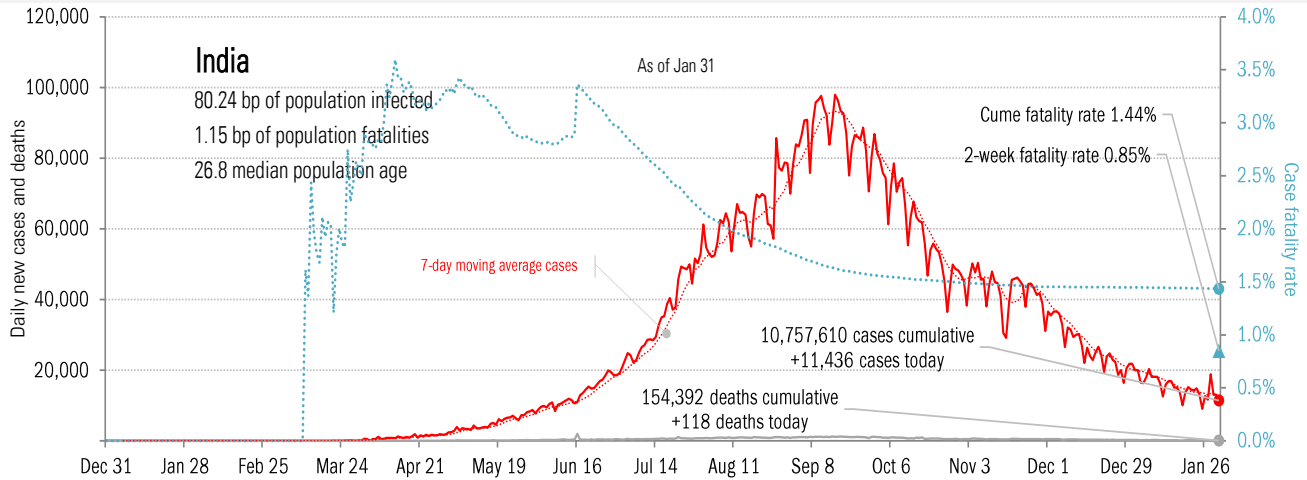
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



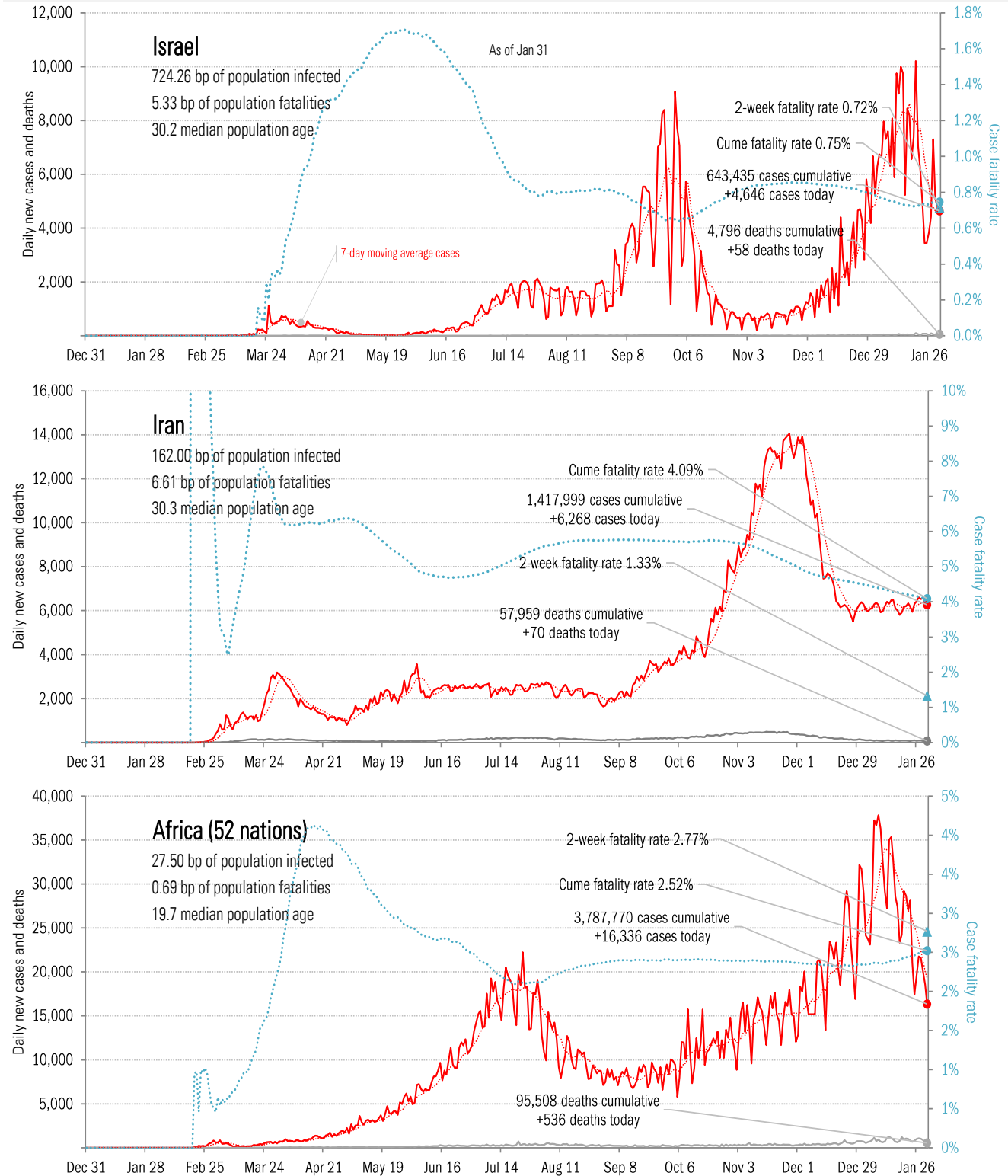
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



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

# Impact in the Middle East and Africa



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