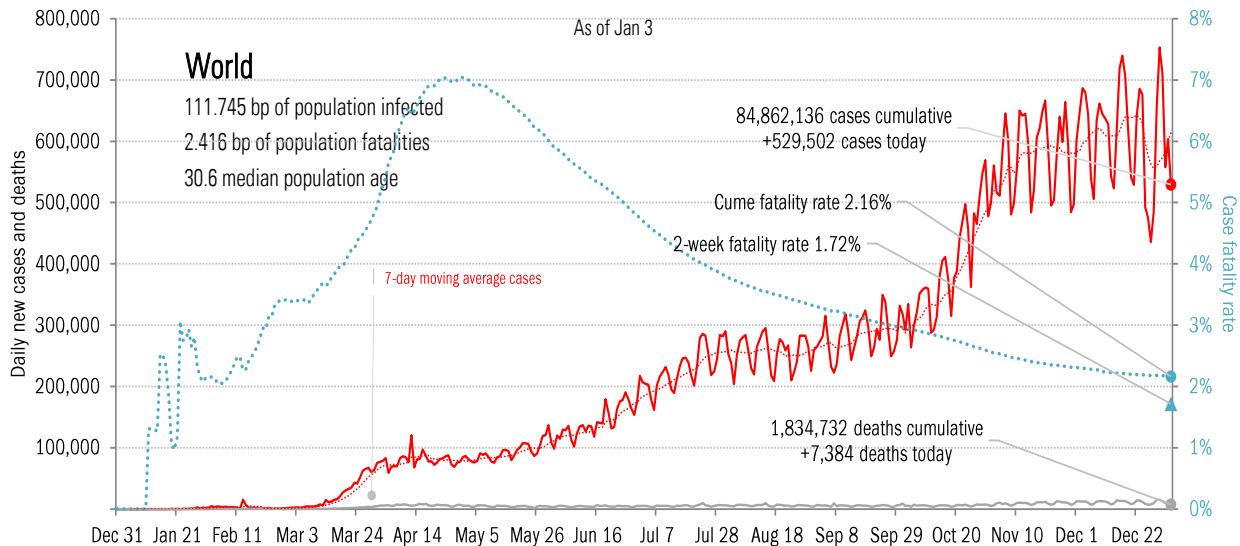
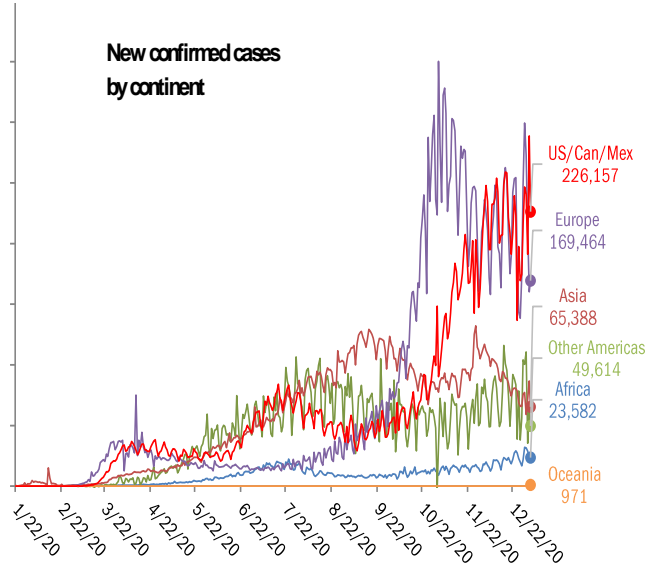


## Data Insights: Covid-2019 Monitor

Monday, January 4, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+204,805	United States	+1,431
United Kingdom	+55,157	Russia	+495
Russia	+23,845	United Kingdom	+455
Brazil	+17,341	South Africa	+402
India	+16,504	Mexico	+362
Canada	+16,141	Italy	+347
Italy	+14,245	Germany	+311
France	+12,495	Brazil	+293
South Africa	+11,859	India	+214
Germany	+10,356	Colombia	+200
<b>+382,748</b>		<b>+4,510</b>	
World	+529,502	World	+7,384
Top ten	72%	Top ten	61%



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

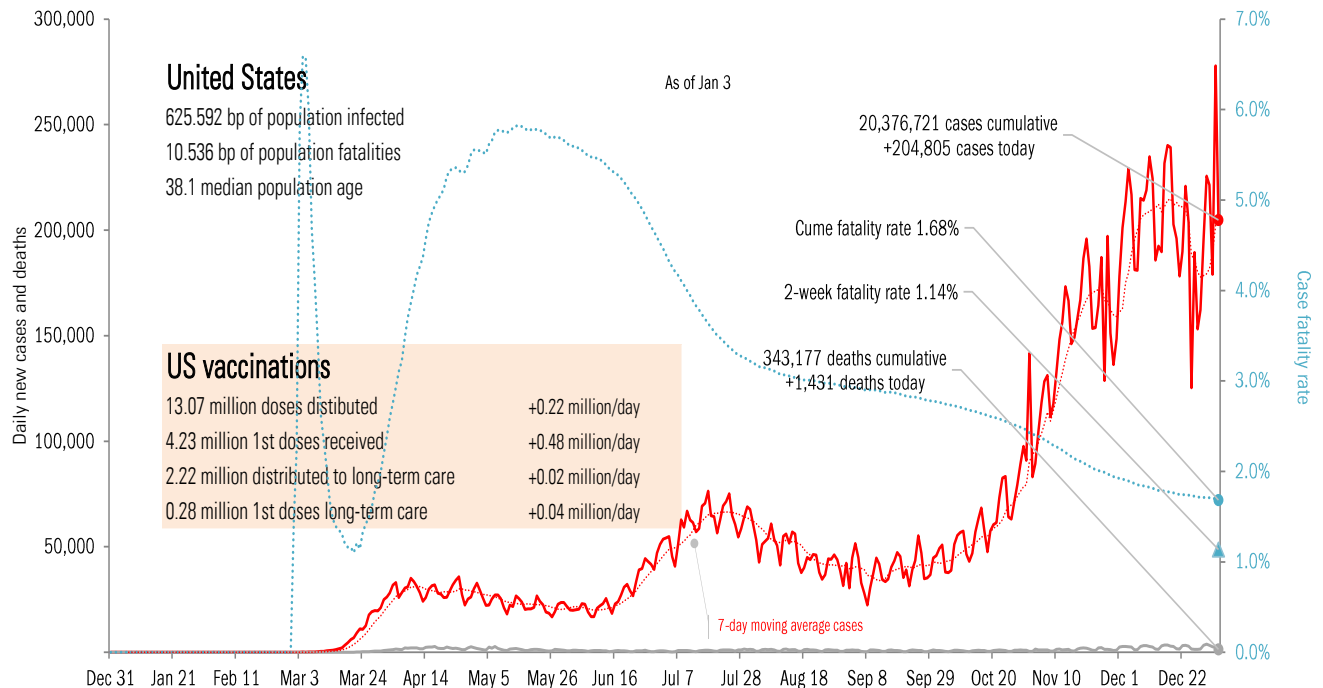
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	+45,352		CA	+181		CA	+297		CA	2,391,261		NY	30,476		NY	89,995		R	87%	NM	93%
AZ	+17,234		NY	+139		FL	+268		TX	1,793,341		TX	27,917		FL	64,216		GA	85%	AL	92%
TX	+16,095		MA	+108		TX	+244		FL	1,341,287		CA	26,538		NJ	48,743		MD	83%	GA	91%
NY	+11,368		IL	+105		GA	+203		NY	1,017,153		FL	22,310		GA	42,483		SC	82%	CA	88%
FL	+10,228		FL	+100		NY	+149		IL	979,821		NJ	19,208		AZ	39,728		DC	80%	OK	88%
SC	+8,951		SC	+84		CH	+135		CH	721,481		IL	18,322		CH	38,798		NV	80%	TX	87%
OK	+8,017		IN	+65		LA	+102		PA	661,871		PA	16,295		IN	35,646		NC	79%	RI	87%
CH	+6,808		CH	+59		NC	+97		TN	608,297		MI	13,306		AL	34,373		CT	78%	NV	86%
NC	+6,487		PA	+56		SC	+78		GA	587,076		MA	12,610		MD	27,196		CA	78%	MS	85%
LA	+5,783		TN	+55		AZ	+73		NC	564,924		GA	10,964		MN	22,095		AZ	77%	NC	85%
+136,323			+952			+1,646			10,666,512			197,946			443,273						
All states	+204,805			+1,431			+1930		All states	20,376,721			343,177			695,915		All states	72%		77%
Top ten	67%			67%			85%		Top ten	52%			58%			64%		Median	69%		75%

Some states not reporting

## Five most improved US states

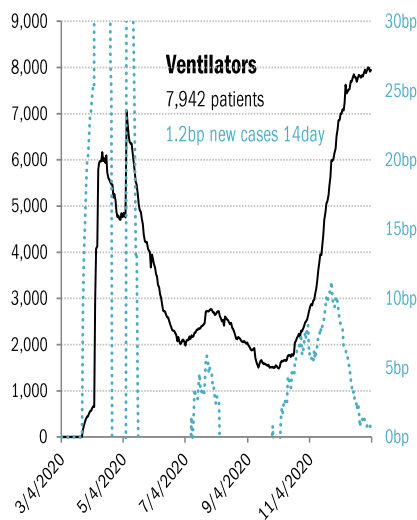
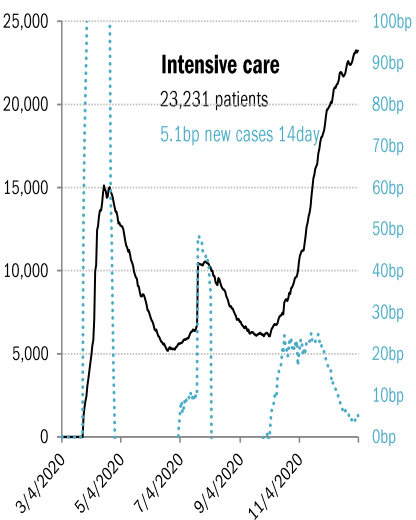
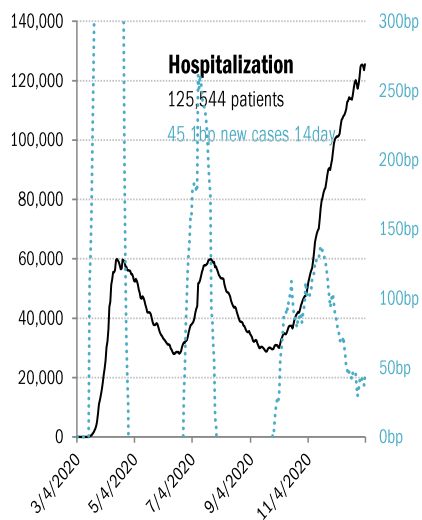
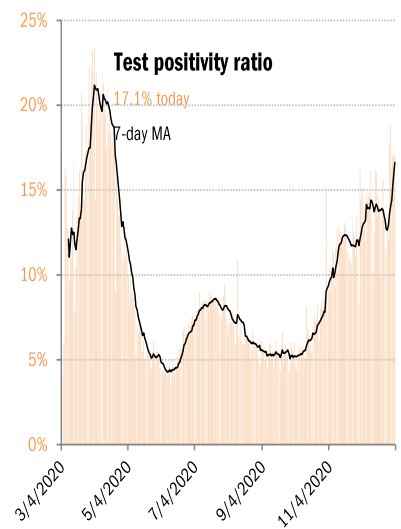
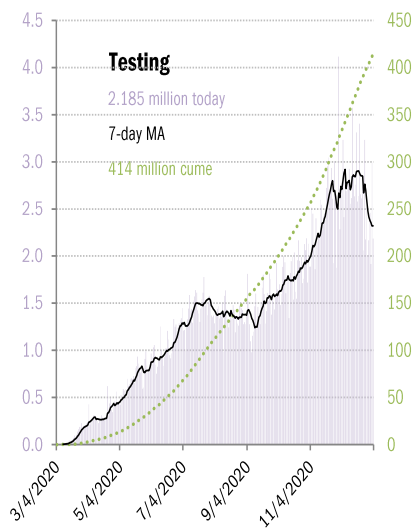
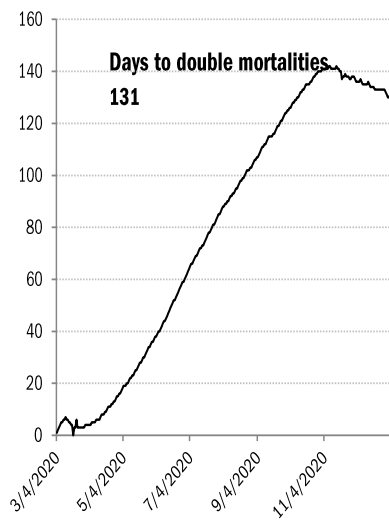
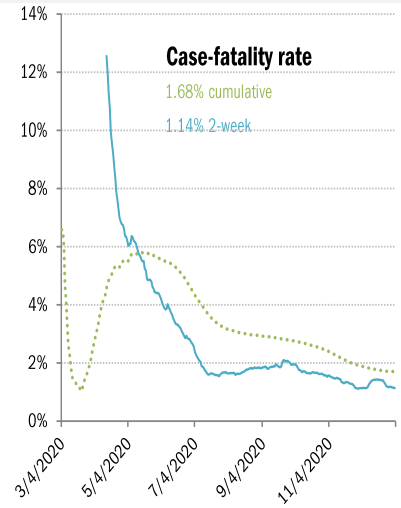
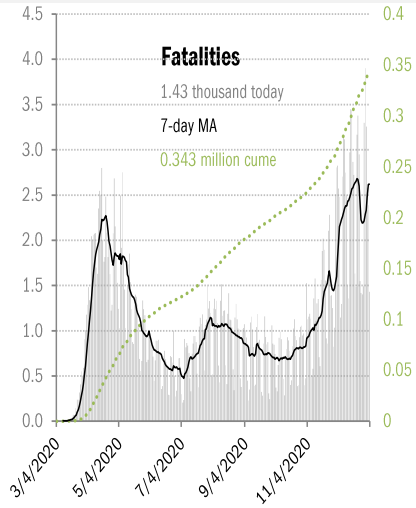
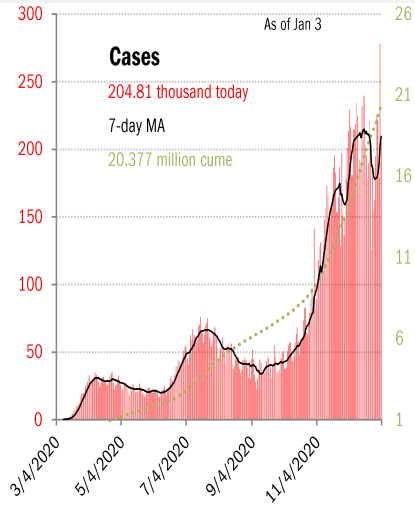
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-20,303	MI	-288	MO	-128	TX	+8,785
TN	-13,165	CA	-205	AR	-31	CH	+5,942
NC	-12,405	NC	-126	NH	-28	OK	+5,452
MI	-9,500	FL	-120	ID	-23	MN	+5,220
CA	-7,989	CT	-104	ME	-14	TN	+3,877



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

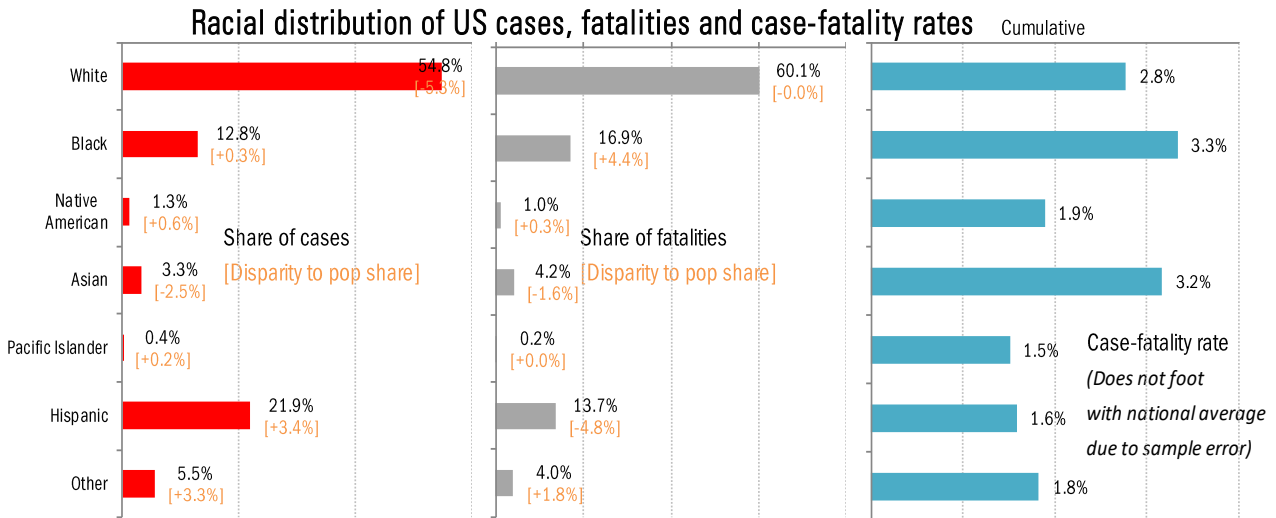
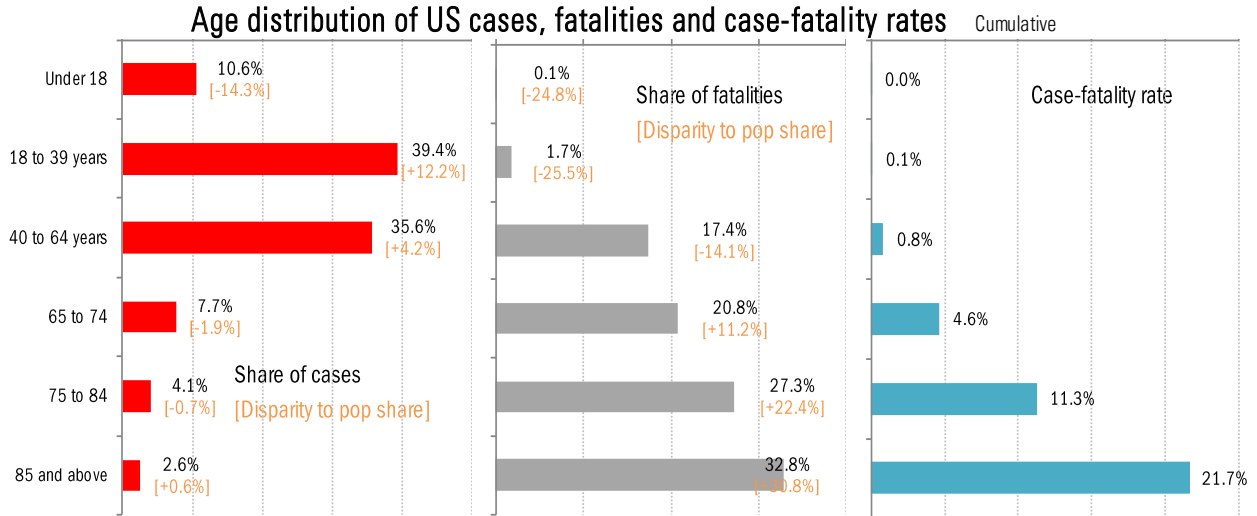
# US deep-dive

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

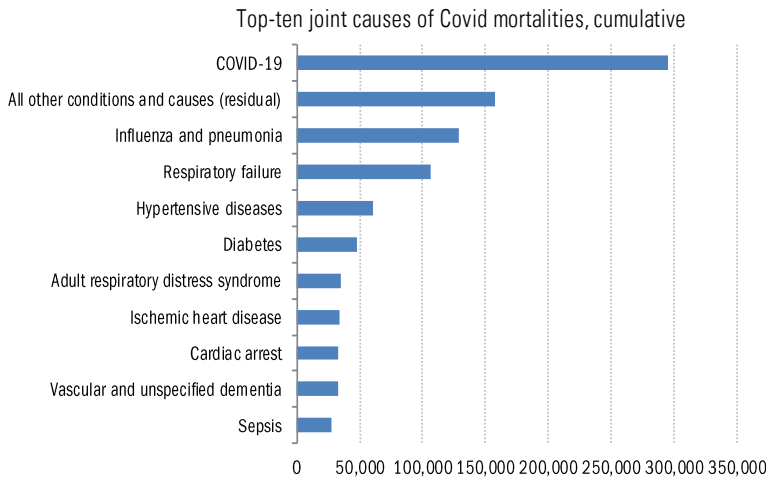


Source: [Covid Tracking Project](#), TrendMacro calculations

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



## Comorbidities



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

### [Pharmacies Can Get Shots in Arms](#)

Scott Gottlieb  
*Wall Street Journal*  
January 3, 2021

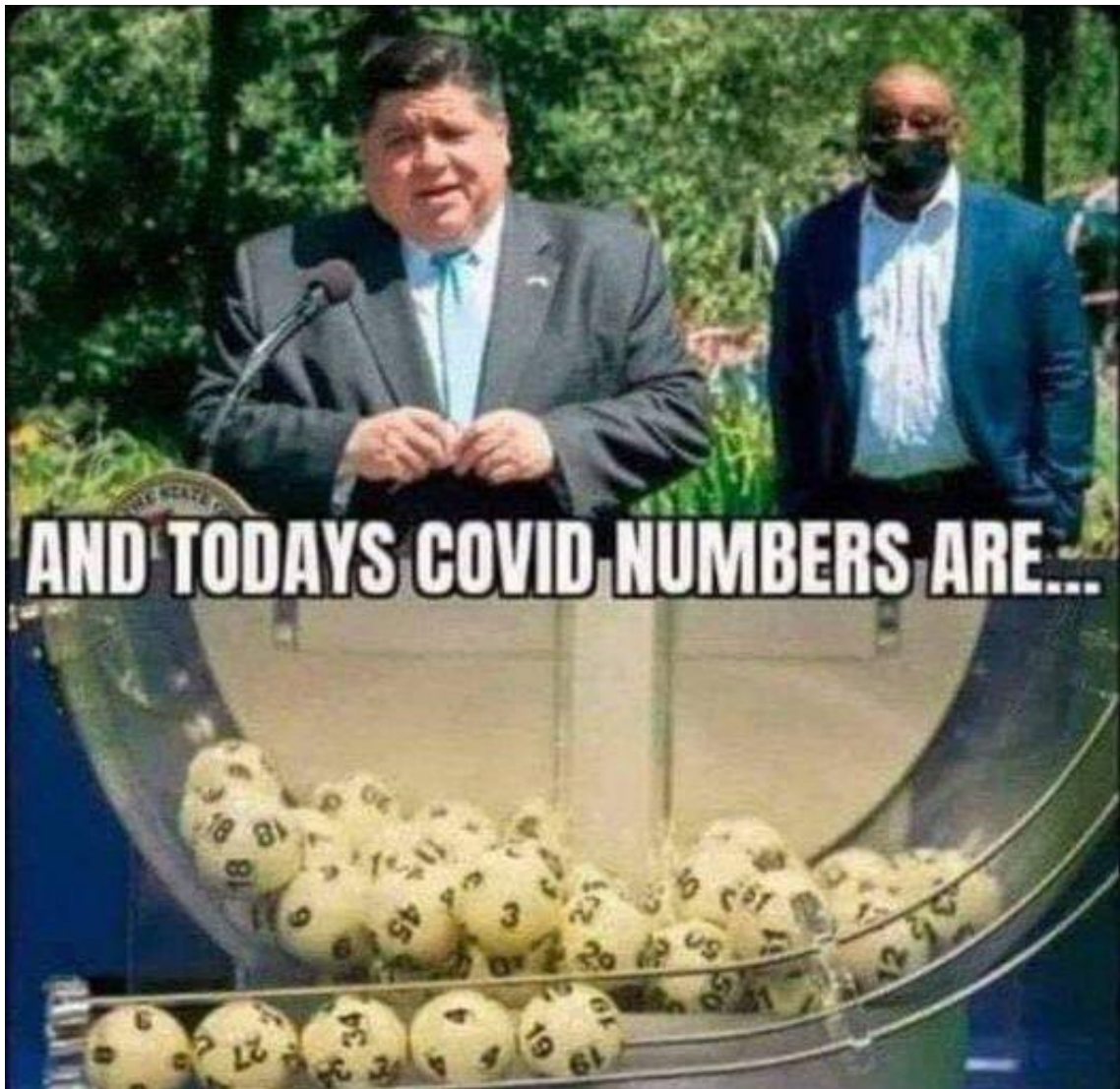
### [The missing flu riddle: 'Influenza has been renamed COVID,' maverick epidemiologist says](#)

Daniel Payne  
*Just the News*  
January 1, 2021

### [The Year in Covid 'Messaging'](#)

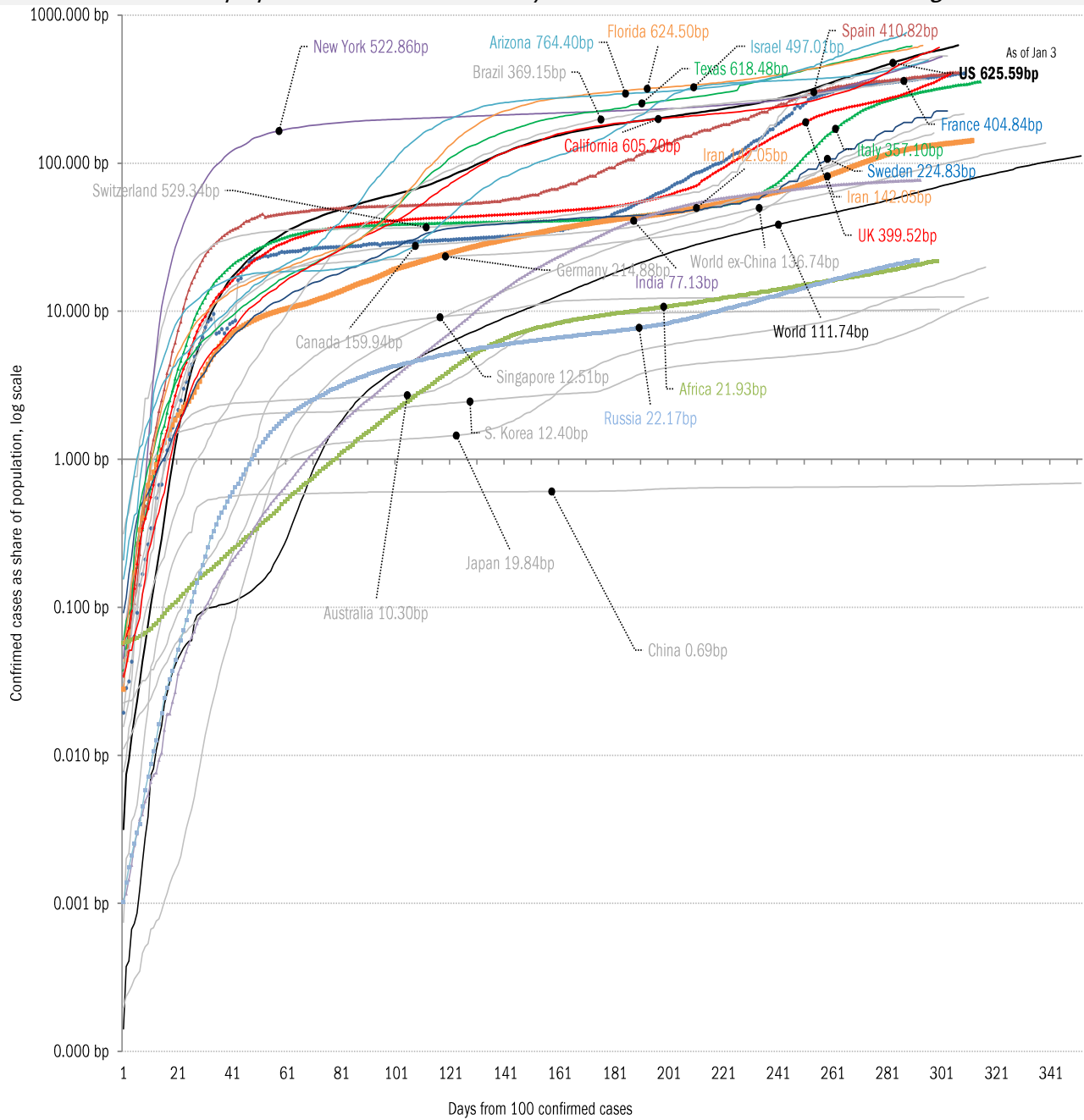
Holman Jenkins  
*Wall Street Journal*  
January 1, 2021

## Meme of day



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

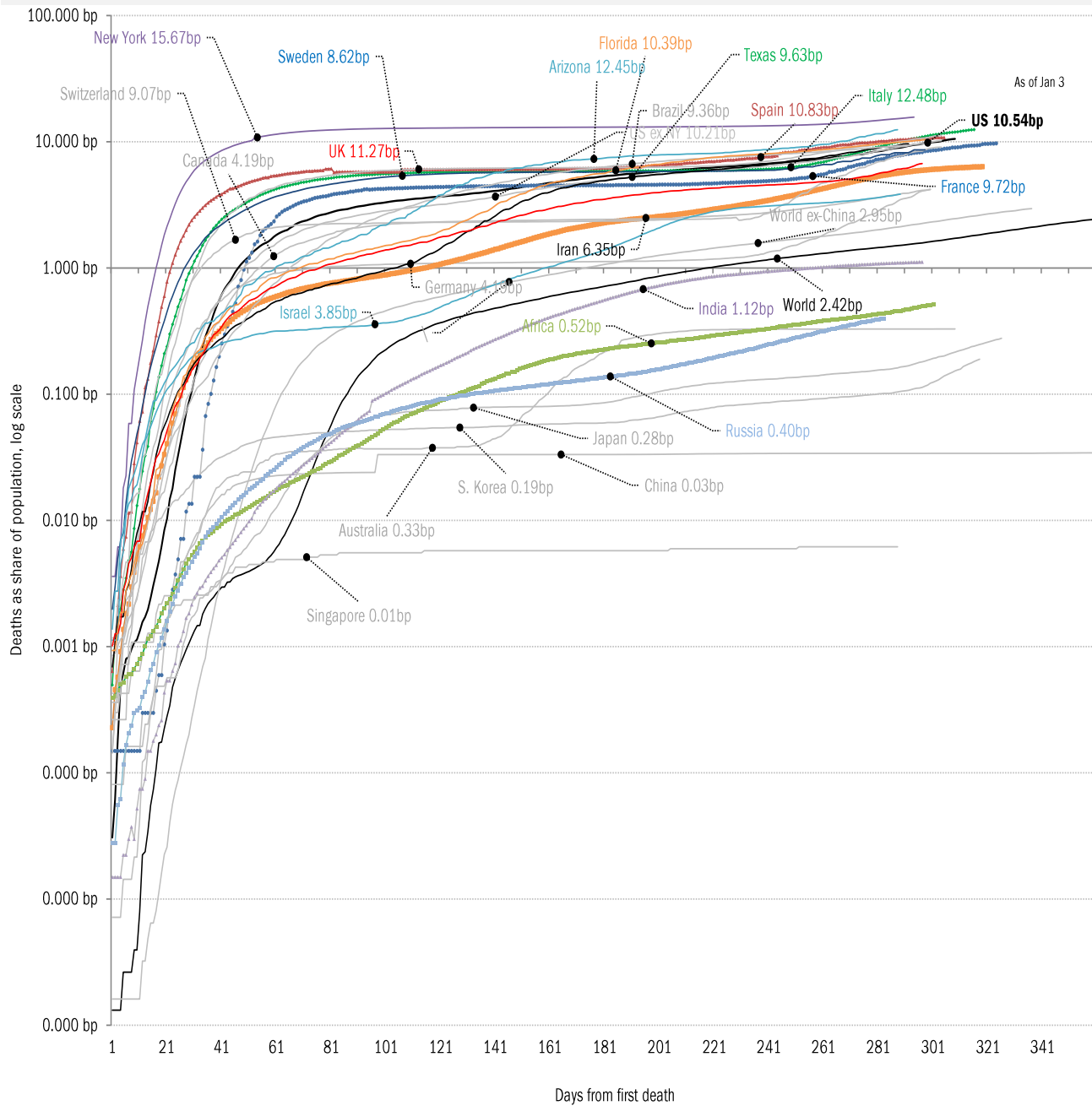
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

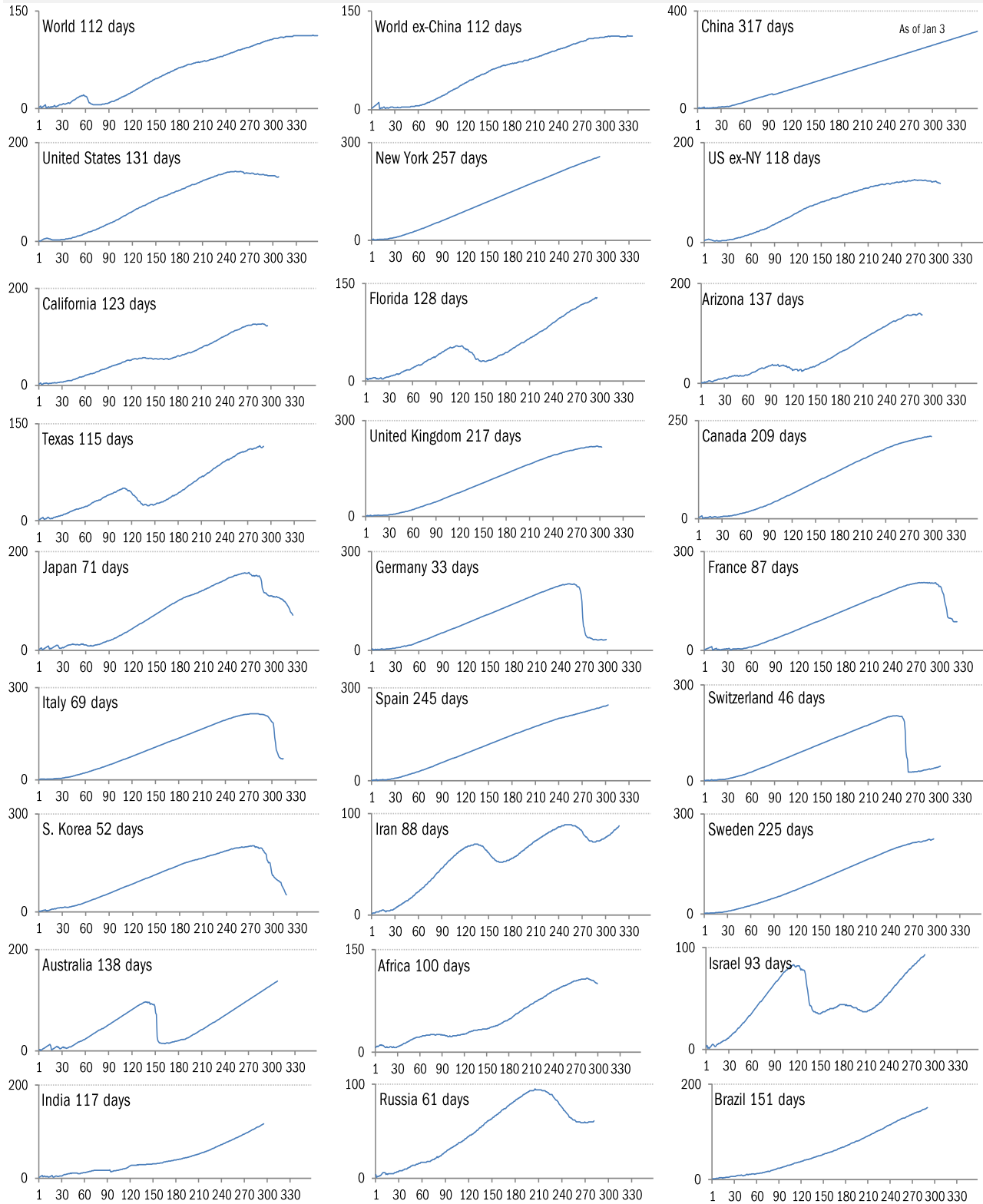


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

# "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



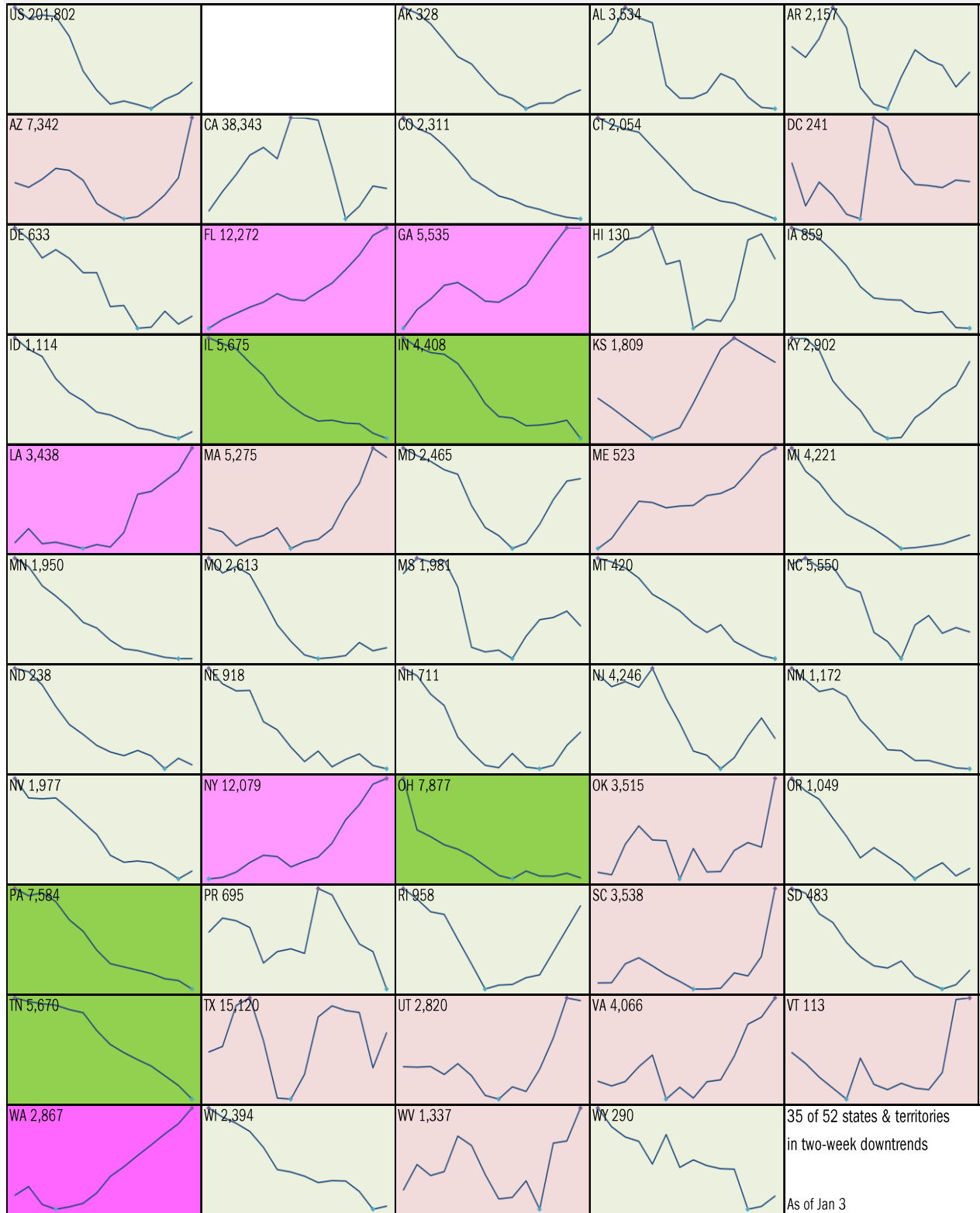
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



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

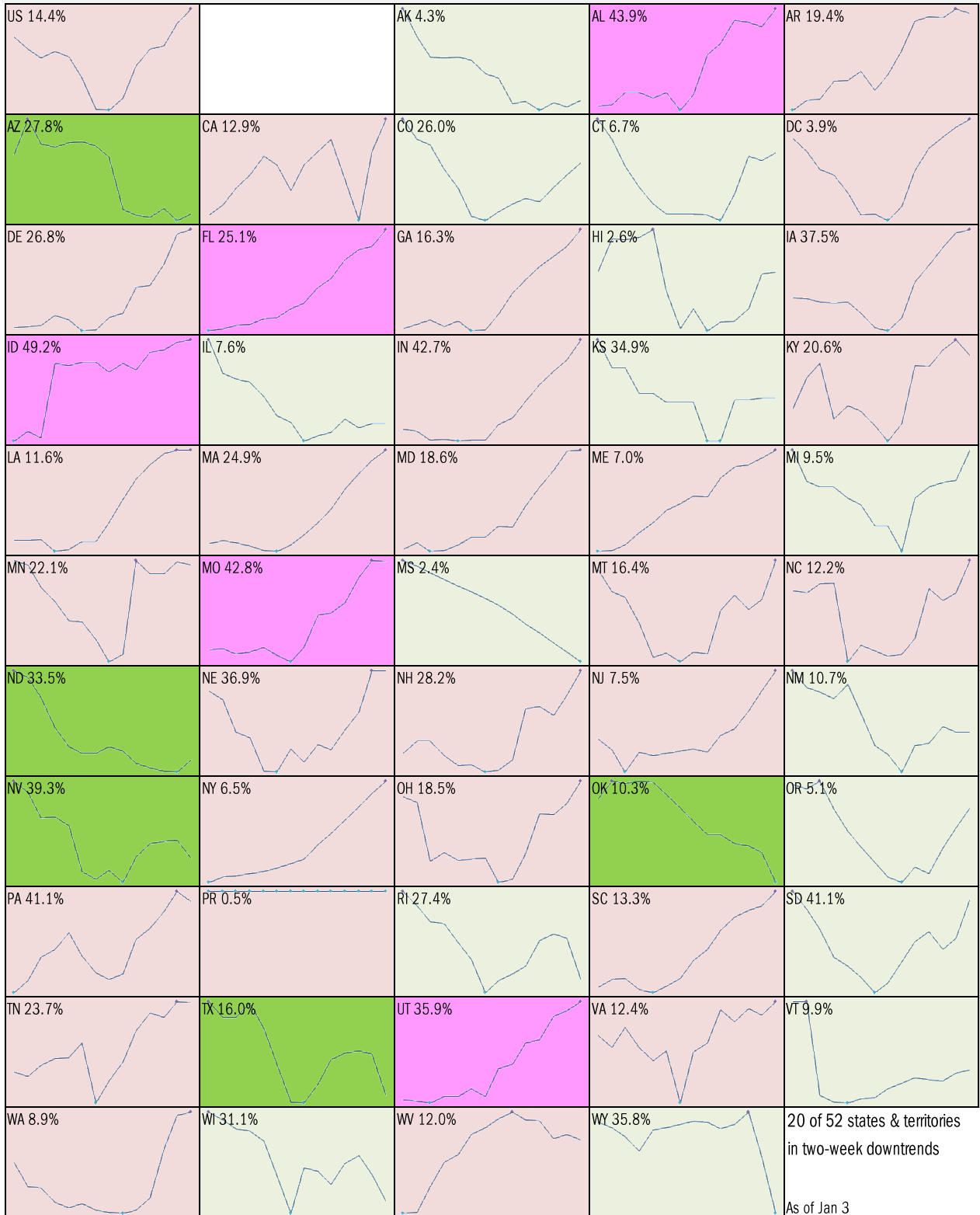


Source: [Covid Tracking Project](#), TrendMacro calculations

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



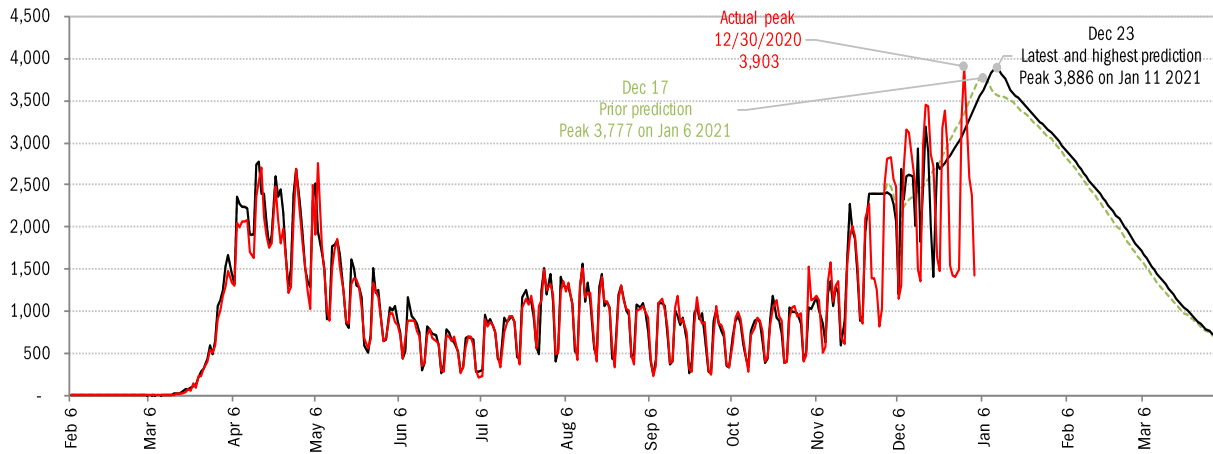
Source: [Covid Tracking Project](#), TrendMacro calculations

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

## New daily fatalities

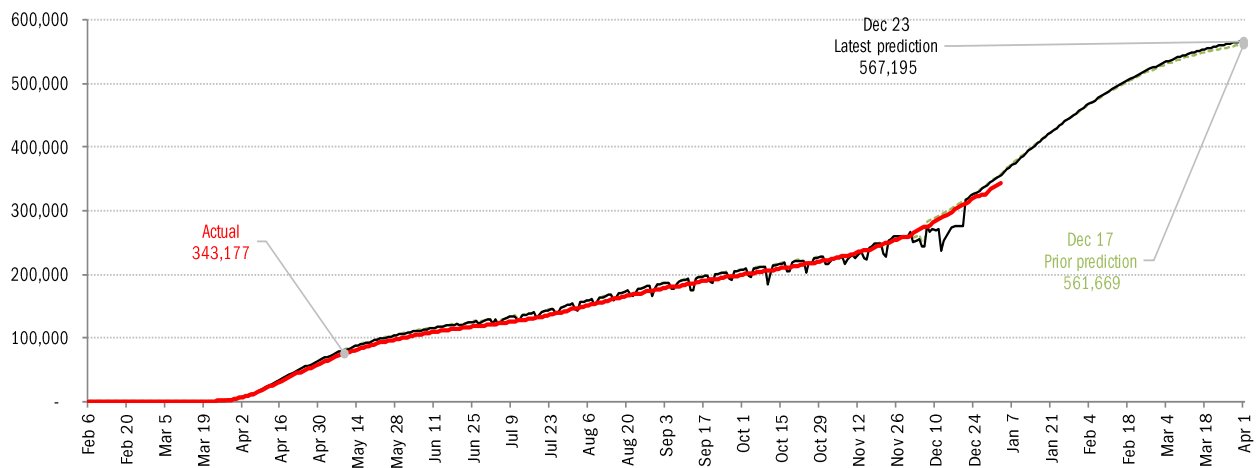
As of Jan 3

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

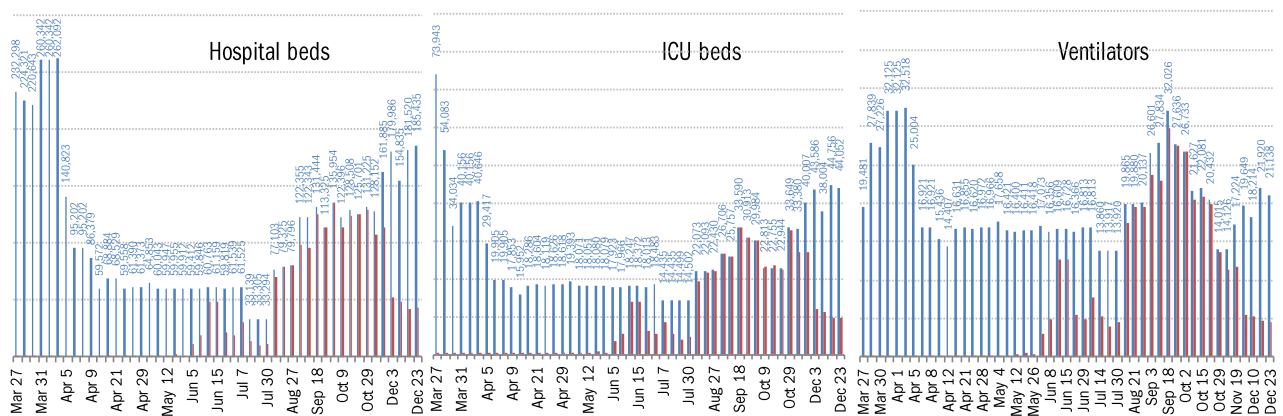


## Cumulative fatalities

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

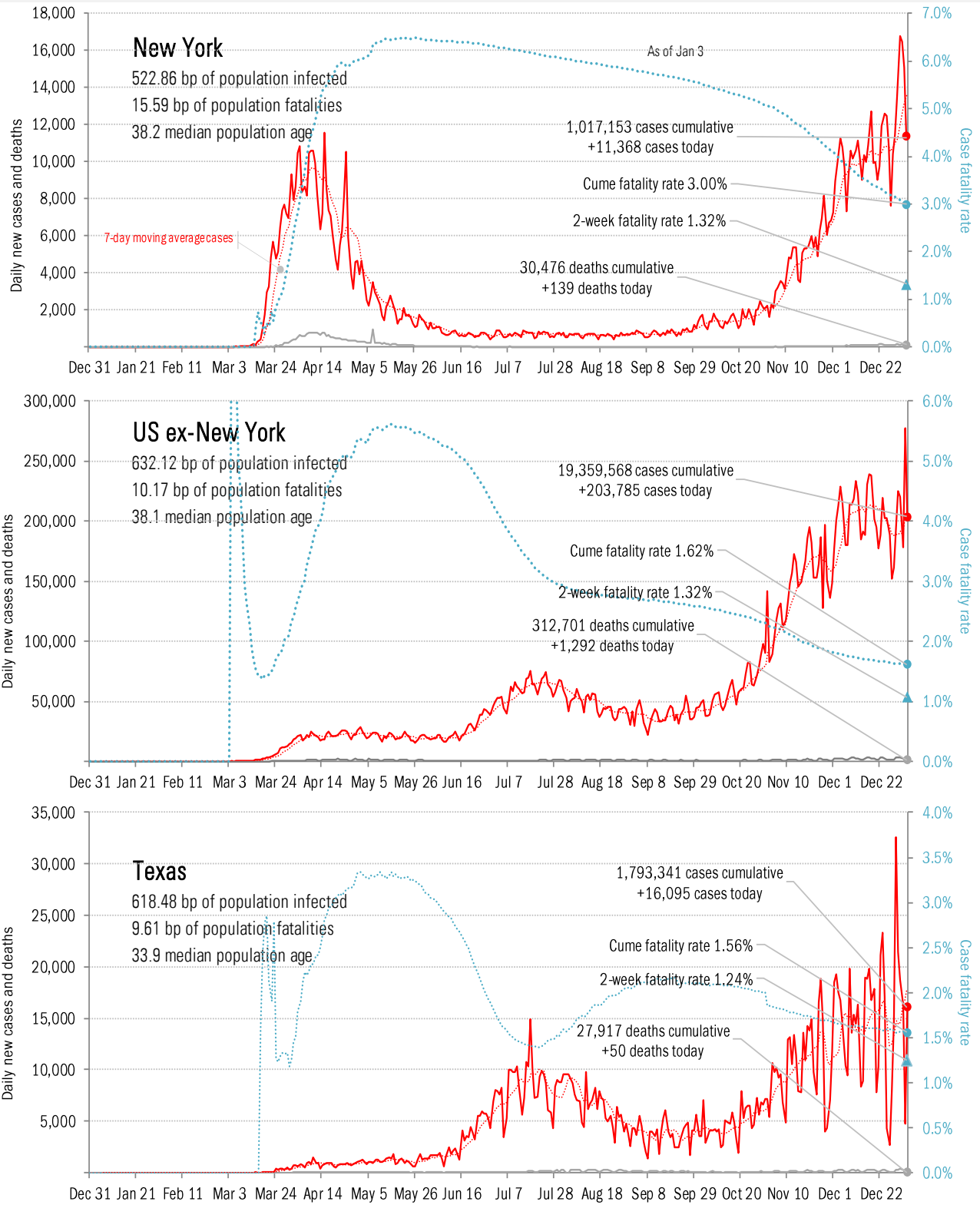


## Healthcare system stress, **peak** and **ultimate** estimated at each model revision



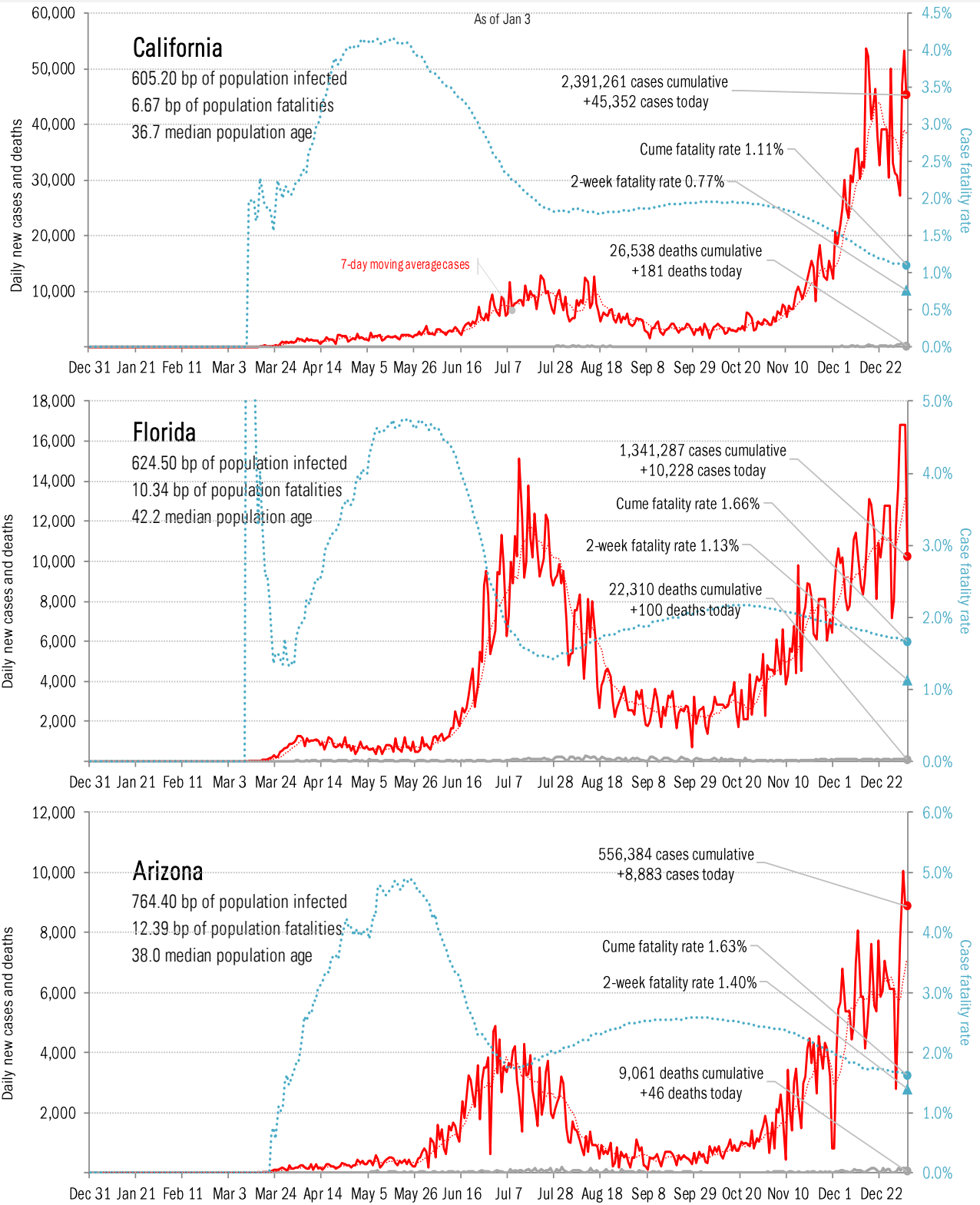
Source: [IHME Covid Tracking Project](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



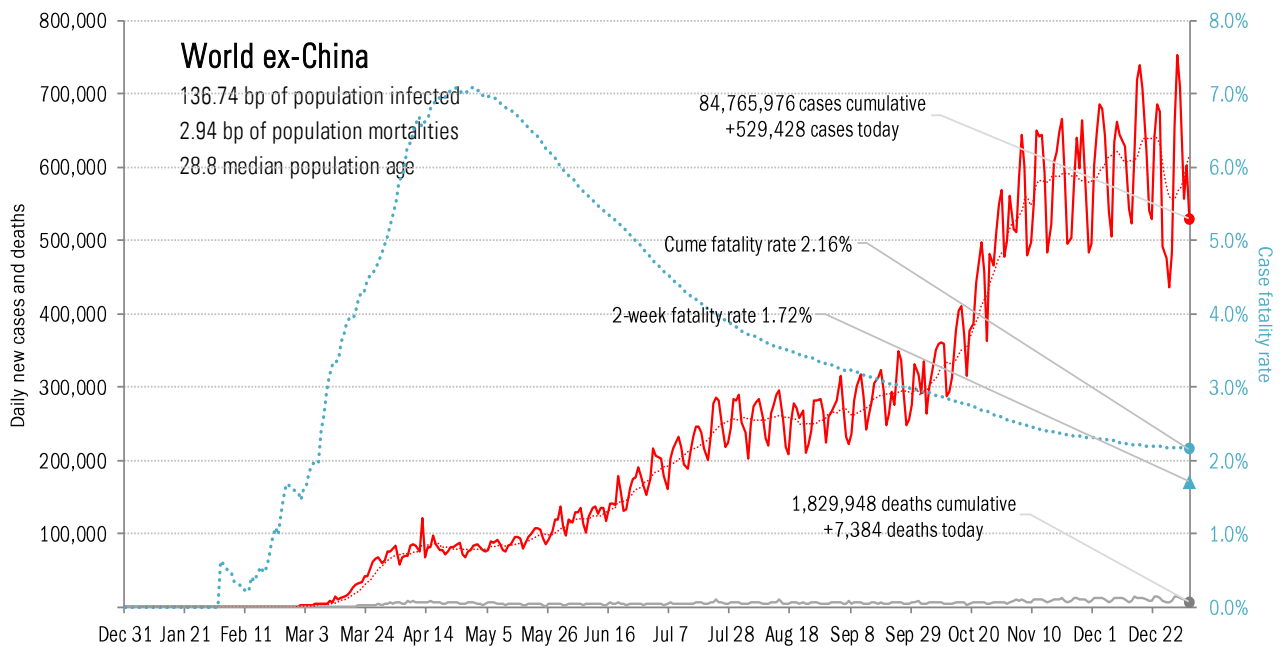
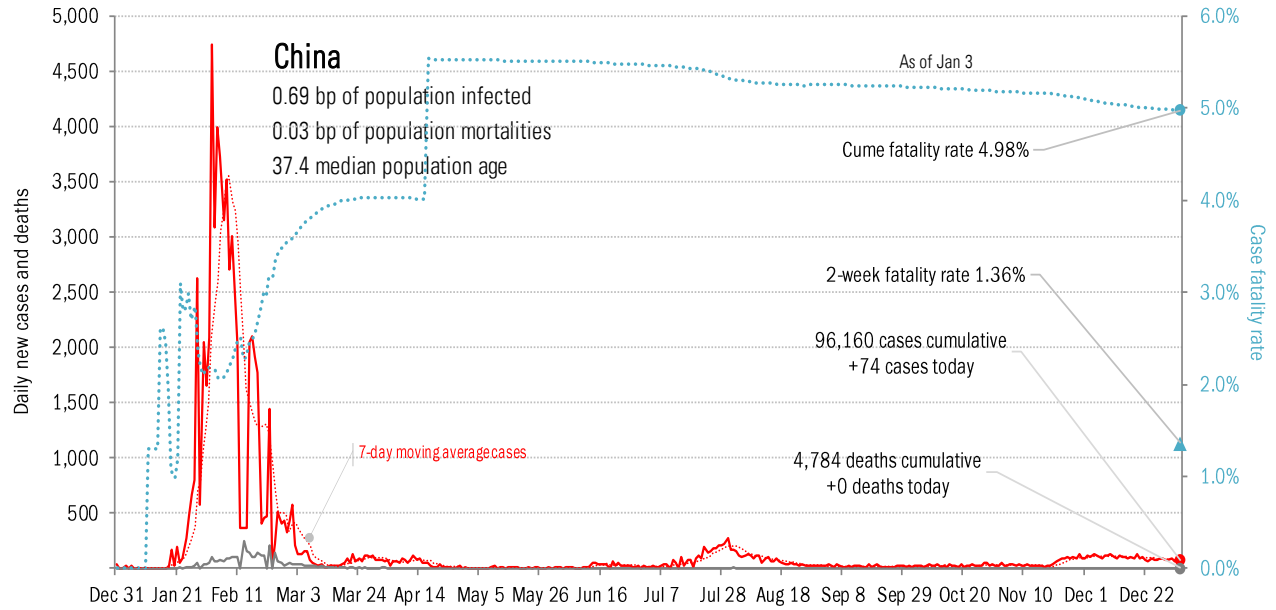
Source: [Covid Tracking Project](#), TrendMacro calculations

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



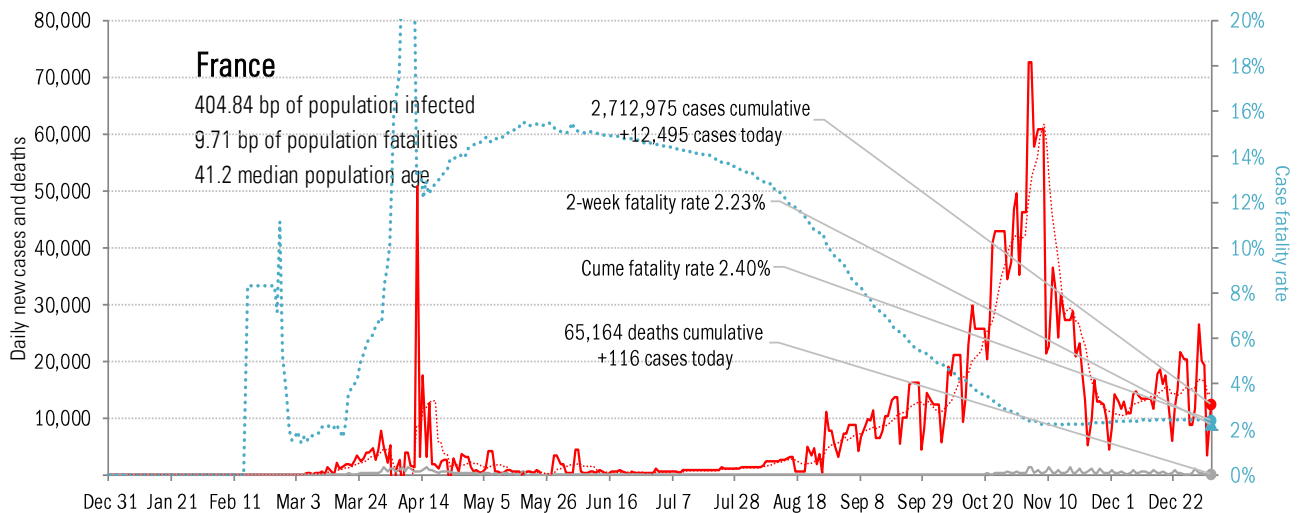
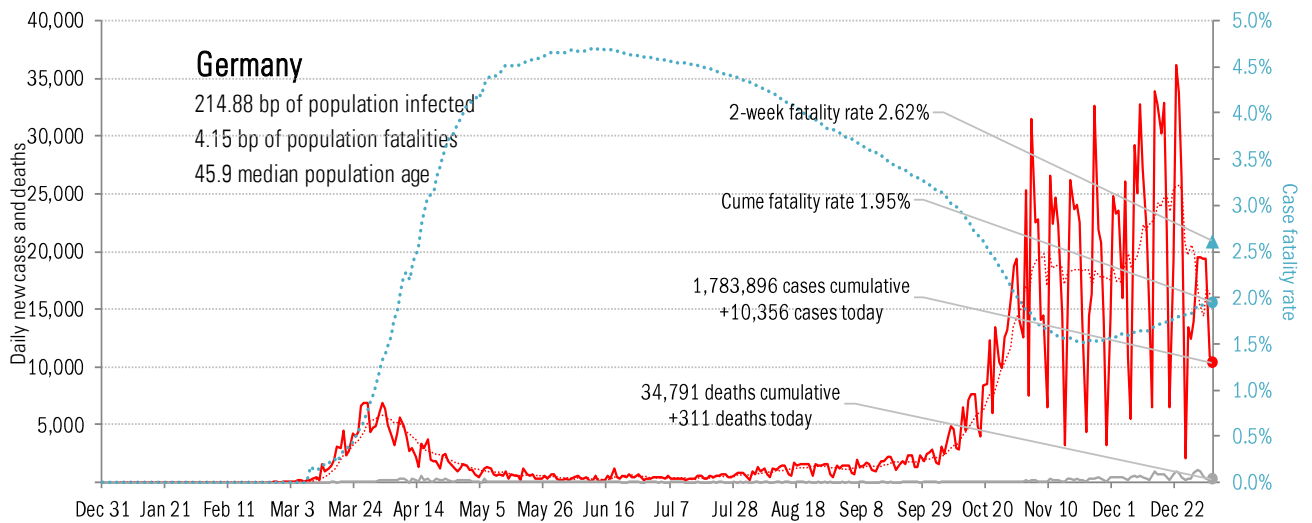
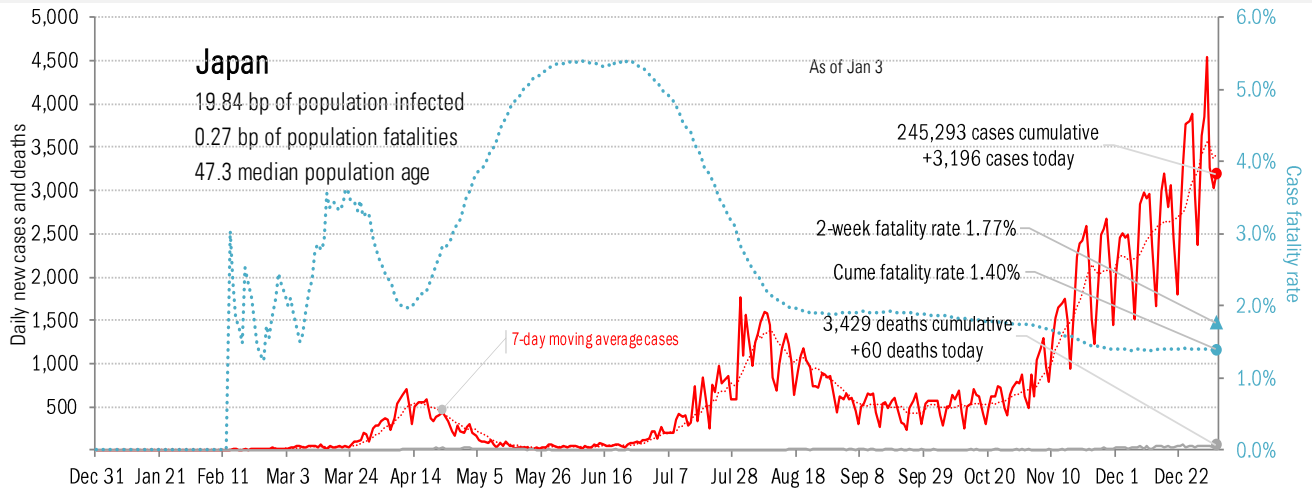
Source: [Covid Tracking Project](#), TrendMacro calculations

# Patient zero... and then everyone else



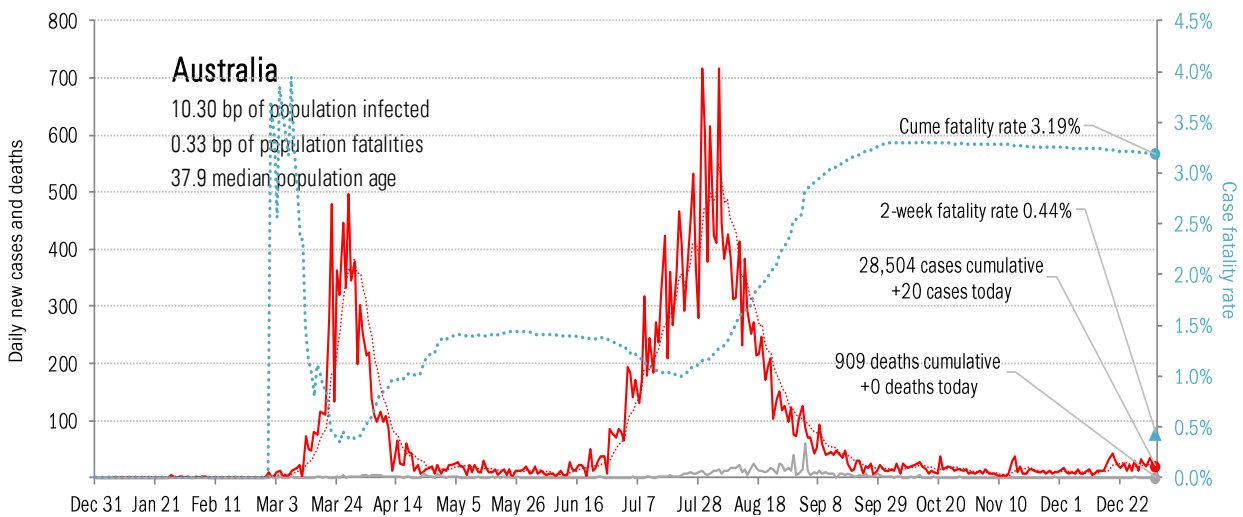
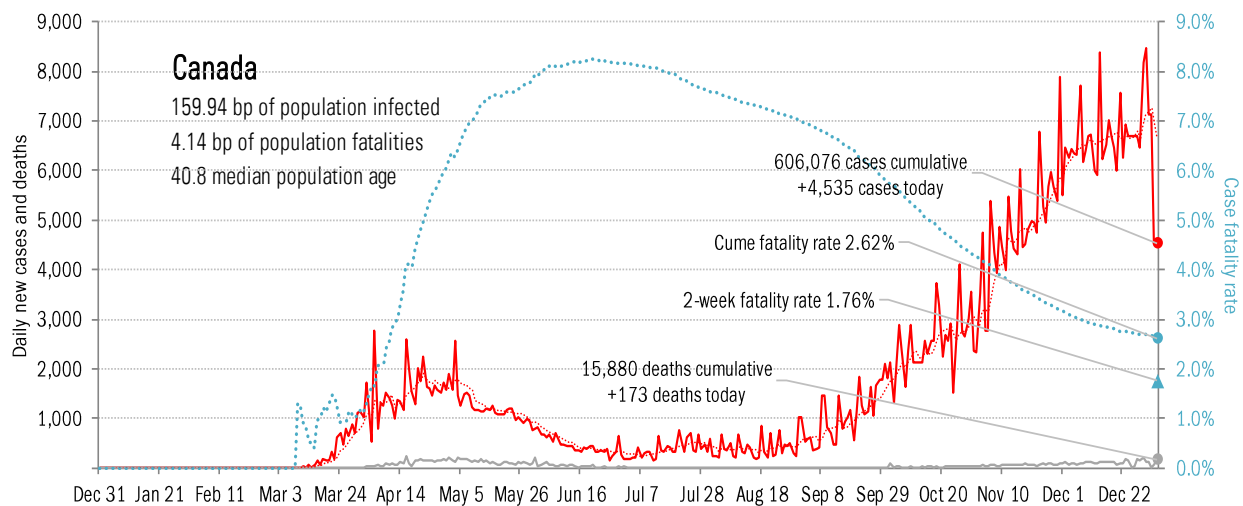
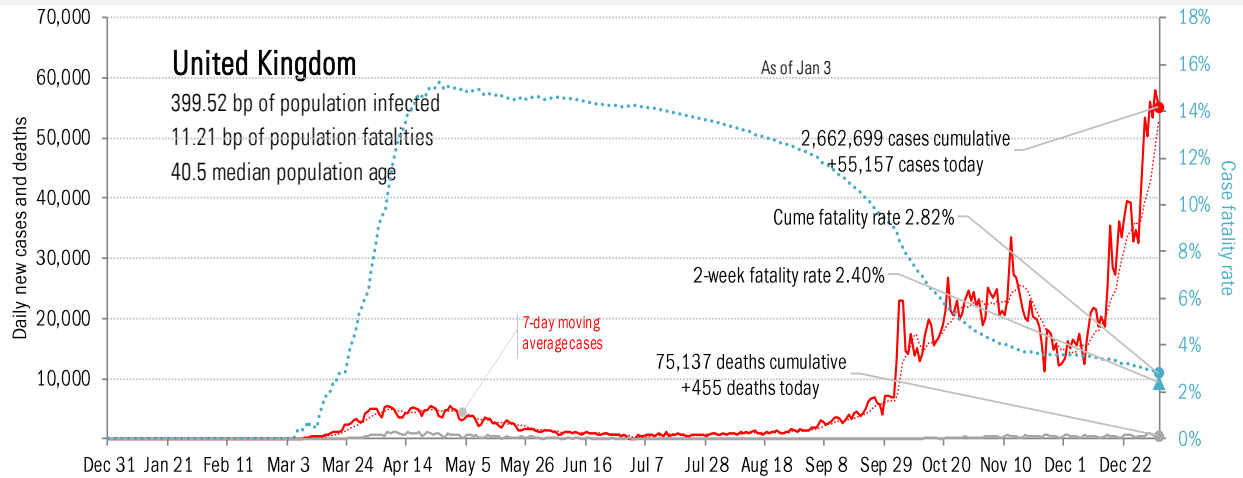
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

# Impact in the largest economies



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

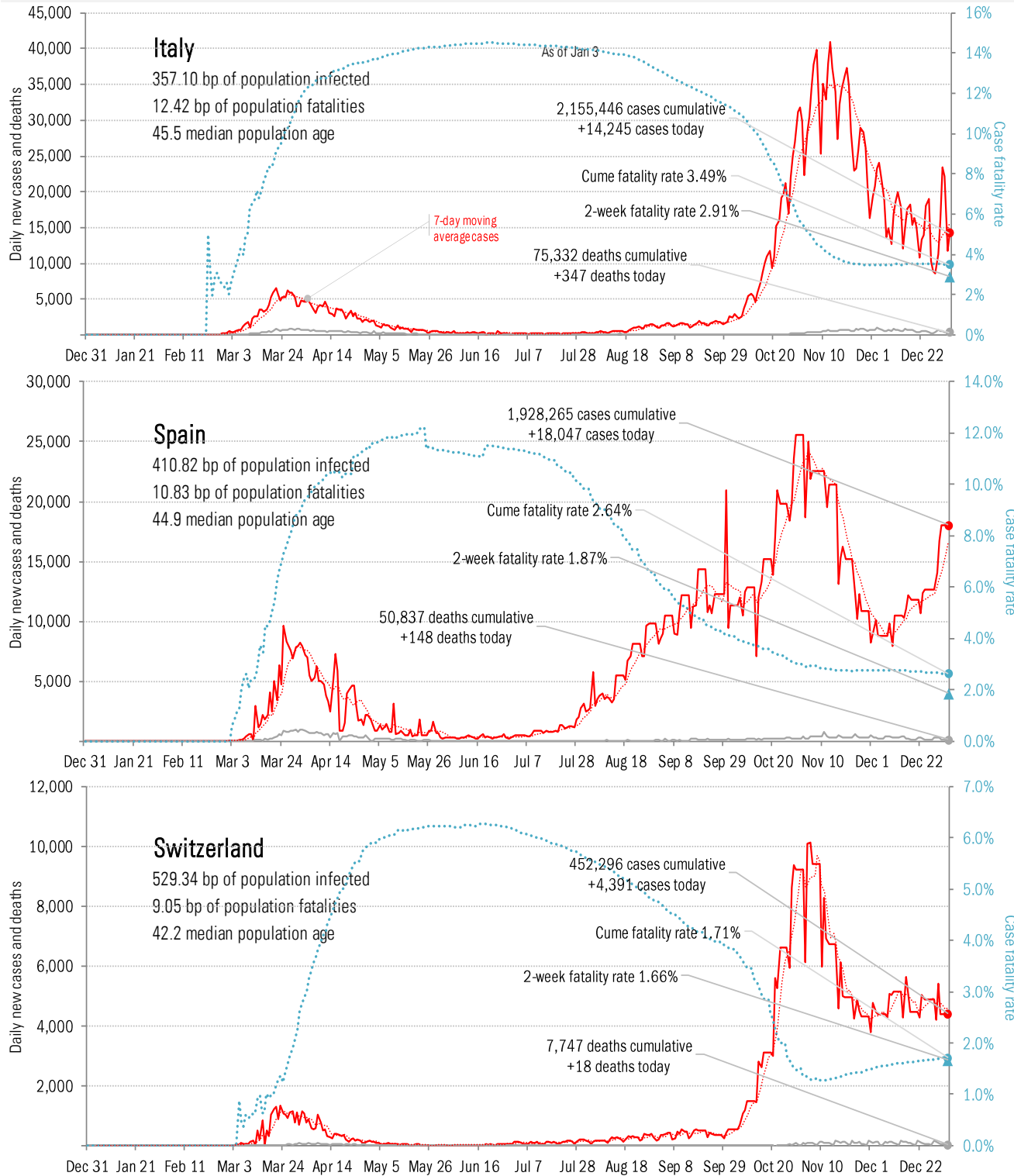
# Impact in The Anglosphere



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

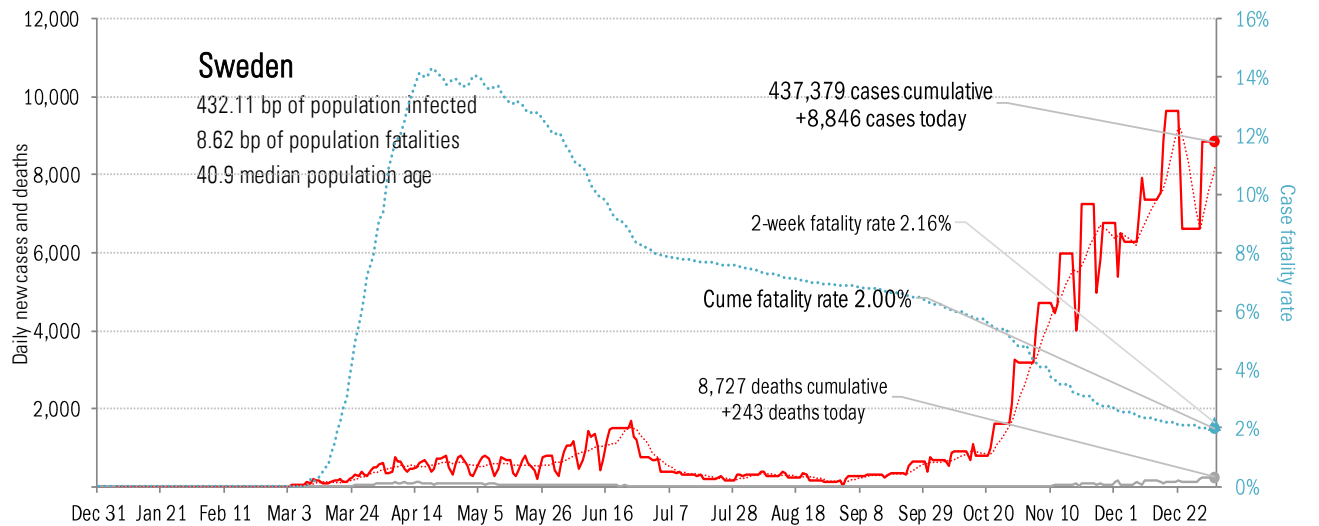
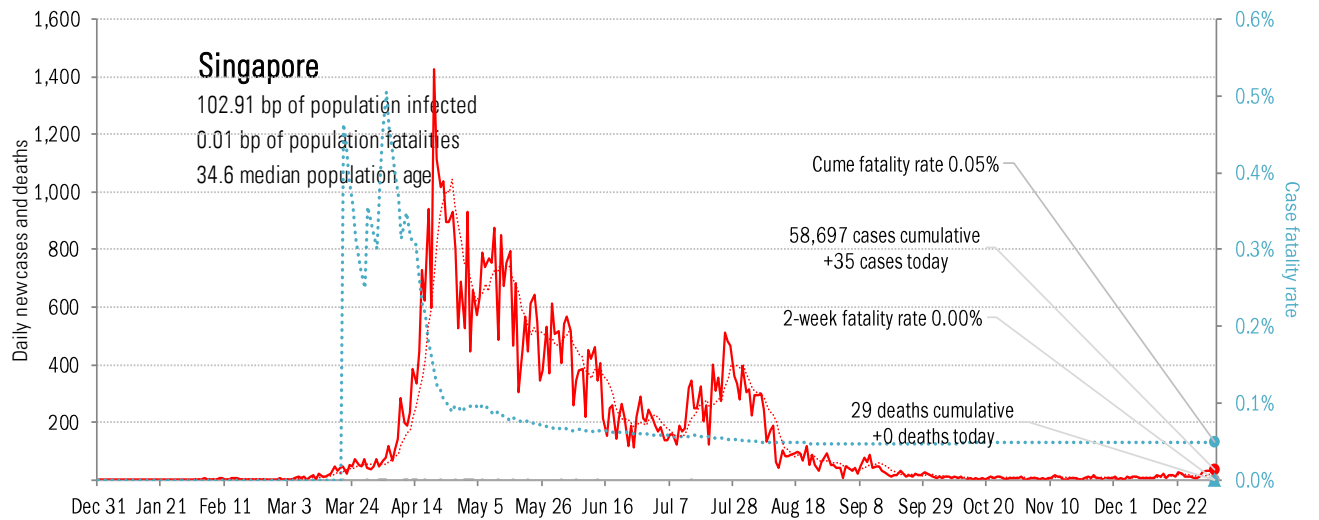
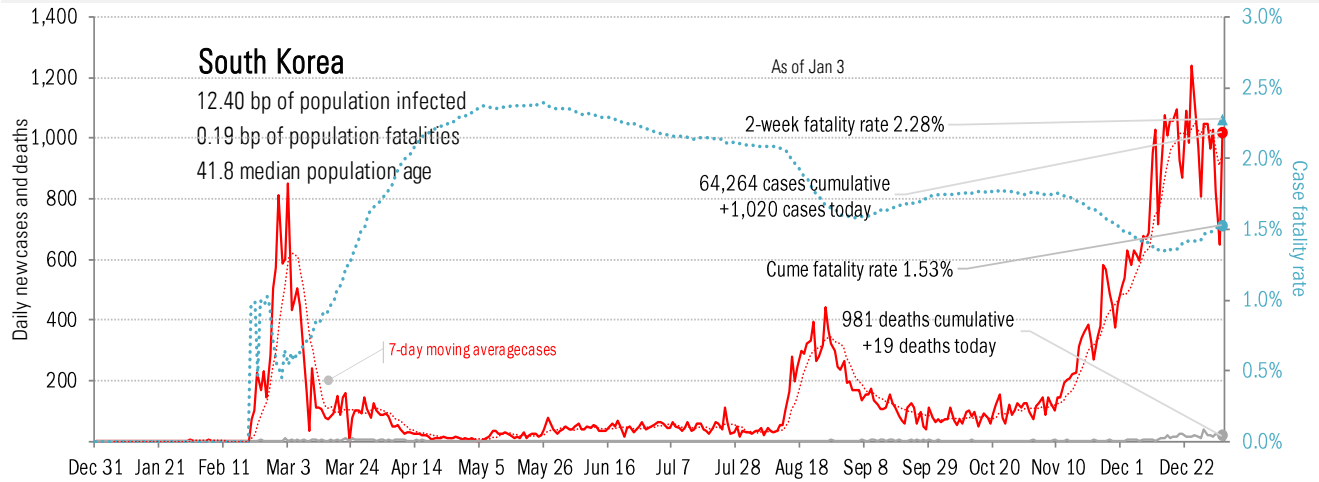


# Impact in continental Europe



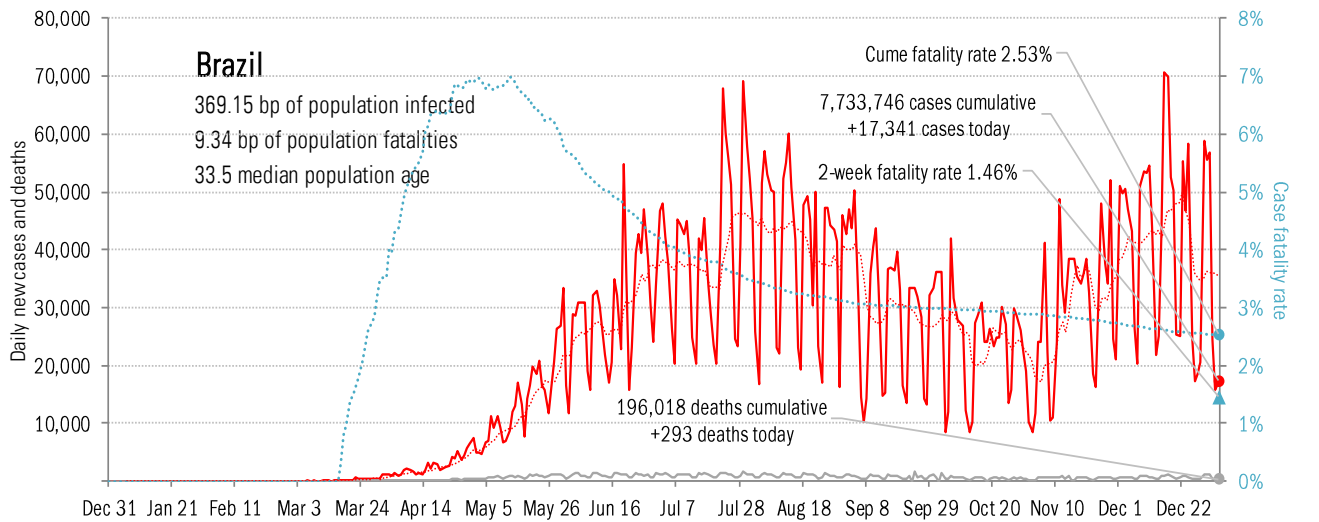
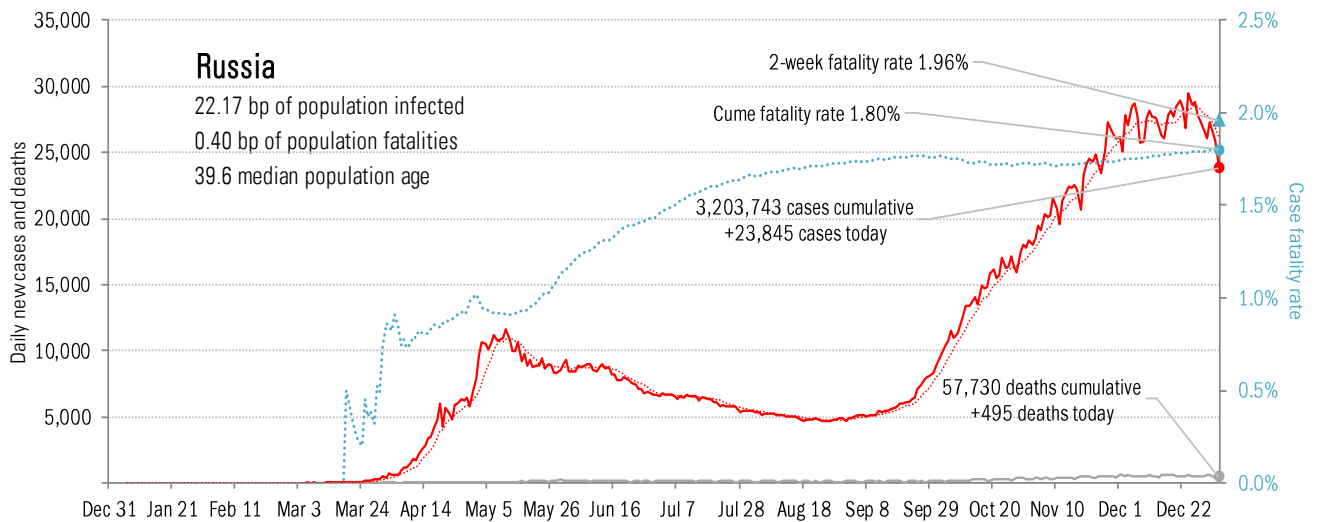
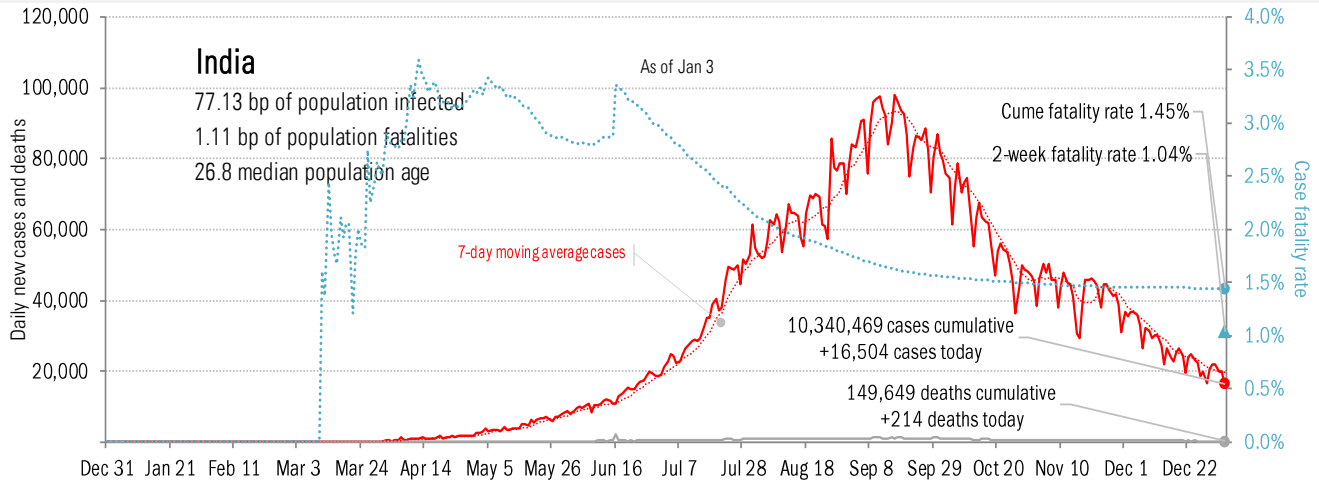
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



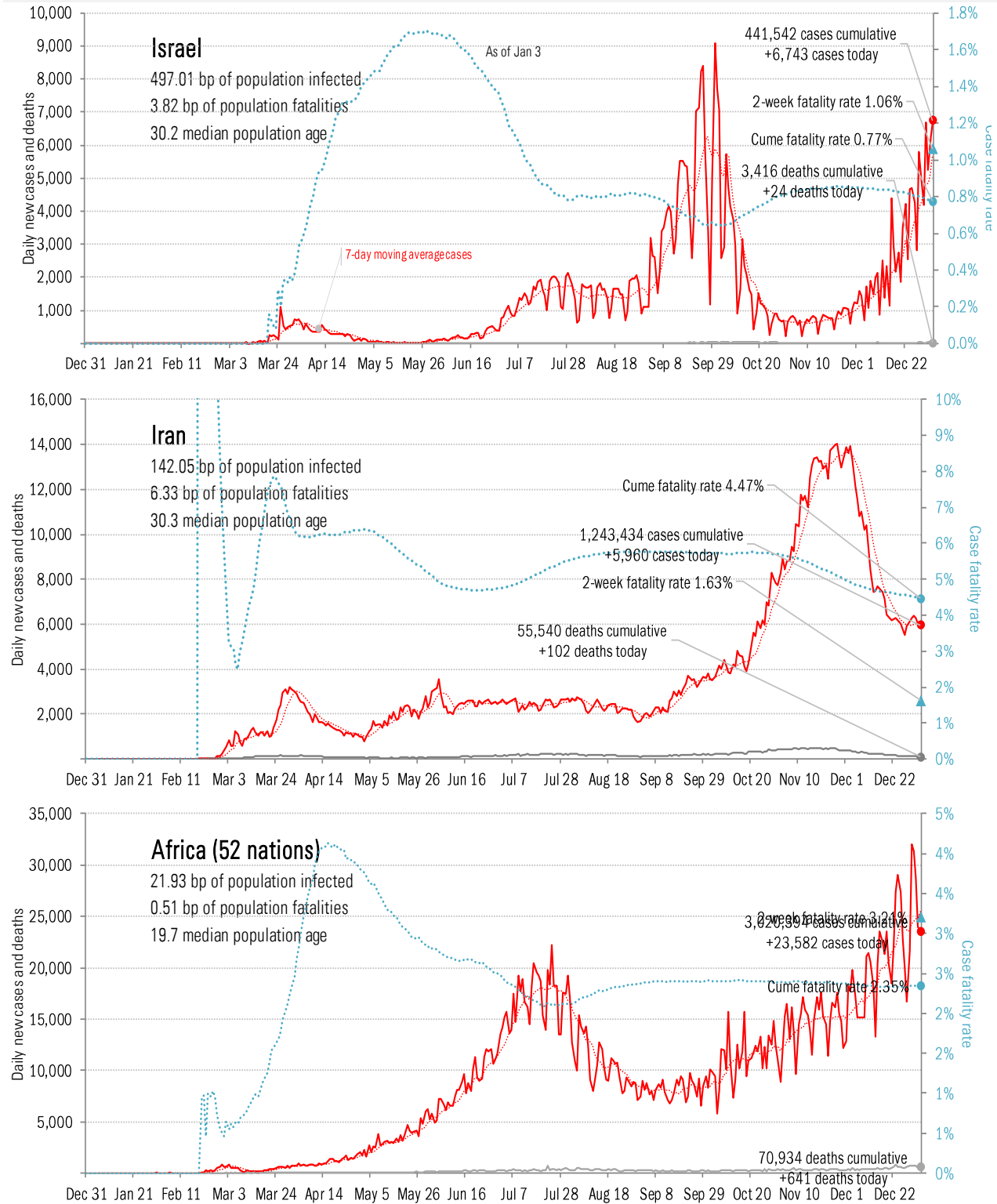
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



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

# Impact in the Middle East and Africa



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