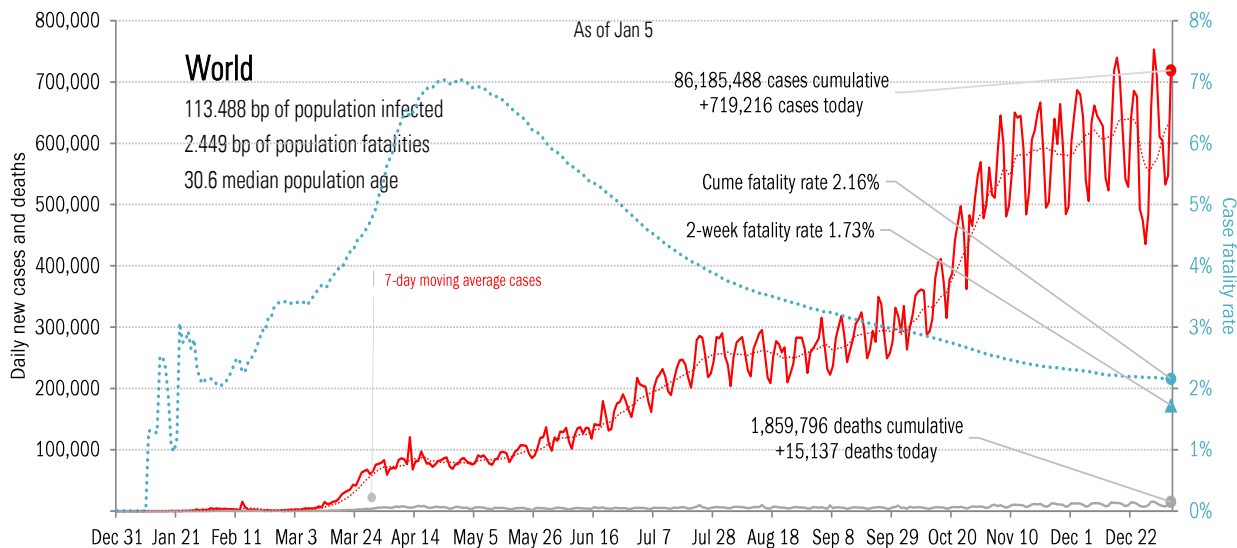
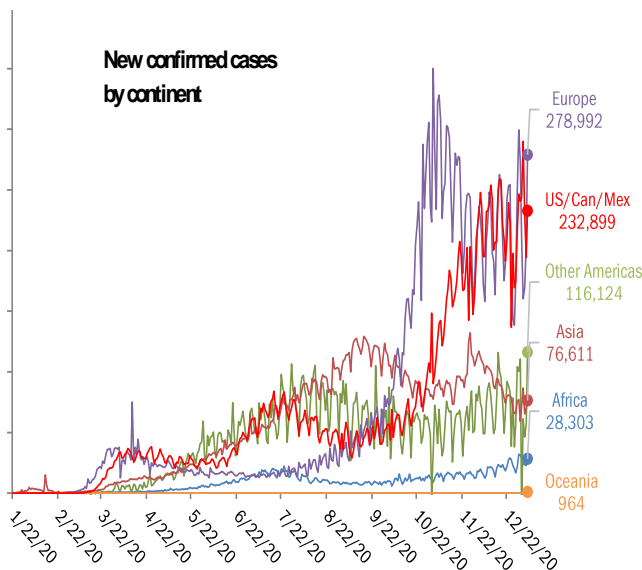


## Data Insights: Covid-2019 Monitor

Wednesday, January 6, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+214,378	United States	+3,478
United Kingdom	+61,087	Brazil	+1,171
Brazil	+56,648	Mexico	+1,065
Sweden	+32,369	Germany	+1,009
Russia	+23,955	United Kingdom	+881
Spain	+23,700	France	+868
France	+20,825	Italy	+649
Germany	+18,349	South Africa	+513
India	+18,088	Russia	+503
Colombia	+16,835	Spain	+352
<b>+486,234</b>		<b>+10,489</b>	
World	+719,216	World	+15,137
Top ten	68%	Top ten	69%



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)

Copyright 2021 Trend Macrolytics LLC. All rights reserved. This document is not to be forwarded to individuals or organizations not authorized by Trend Macrolytics LLC to receive it. For information purposes only; not to be deemed to be recommendations for buying or selling specific securities or to constitute personalized investment advice. Derived from sources deemed to be reliable, but no warranty is made as to accuracy.

# The US scorecard

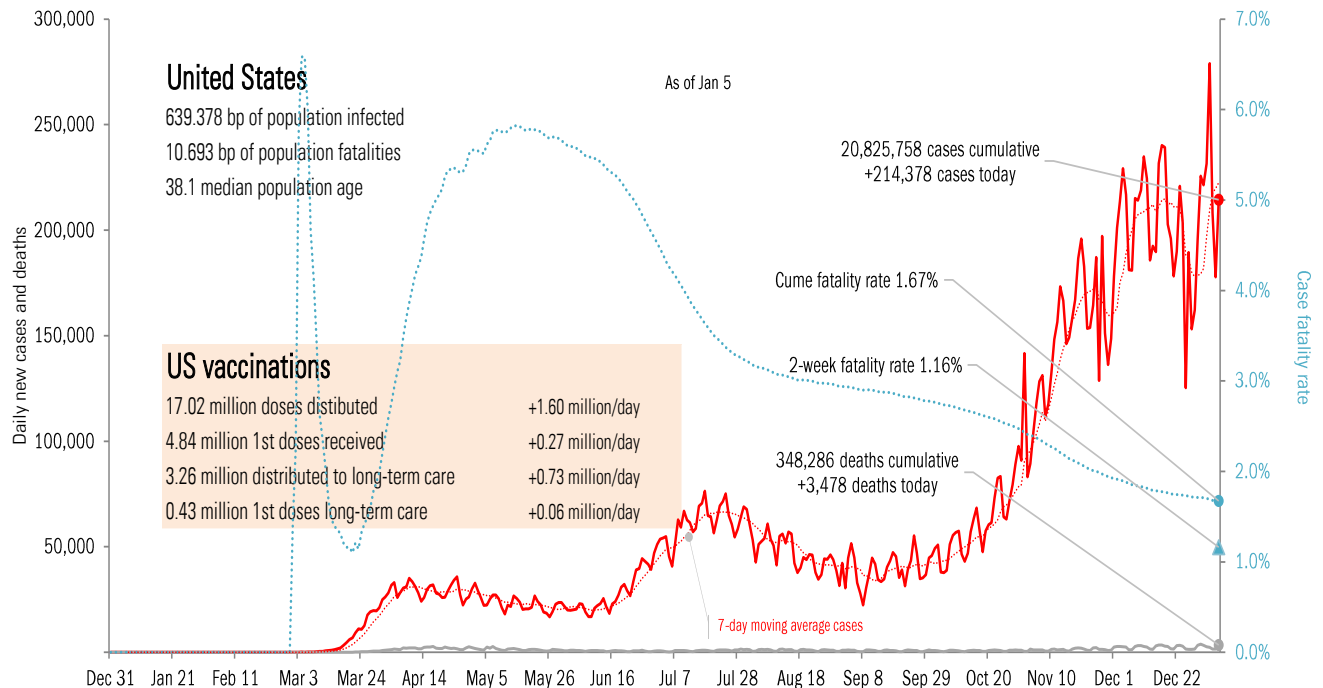
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+31,630		CA	+368		CA	+482		CA	2,452,334		NY	30,802		NY	89,995		R	87%	NM	93%
CA	+31,440		MO	+263		TX	+347		TX	1,843,153		TX	28,219		FL	64,783		GA	85%	AL	92%
FL	+15,556		AZ	+253		NY	+339		FL	1,367,778		CA	27,003		NJ	49,058		MD	83%	GA	91%
NY	+12,666		TX	+250		MO	+209		NY	1,041,028		FL	22,515		GA	43,018		SC	82%	CA	88%
PA	+8,818		MI	+217		SC	+189		IL	991,719		NJ	19,382		AZ	40,303		DC	80%	OK	88%
CH	+7,580		PA	+185		VA	+153		CH	735,003		IL	18,562		CH	39,650		NV	80%	TX	87%
IL	+6,839		NY	+154		NC	+146		PA	673,915		PA	16,546		IN	36,121		NC	79%	RI	87%
NJ	+6,271		IL	+150		AZ	+142		TN	617,649		MI	13,608		AL	35,430		CT	78%	NV	86%
GA	+6,102		IN	+149		GA	+128		GA	597,208		MA	12,734		MD	27,542		CA	78%	MS	85%
AZ	+5,932		NJ	+138		FL	+107		NC	575,396		GA	11,072		MN	22,337		AZ	77%	NC	85%
+132,834			+2,127			+2,242			10,895,183			200,443			448,237						
All states	+214,378		+3,478			+2985			All states	20,825,758		348,286			704,124			All states	72%		77%
Top ten	62%		61%			75%			Top ten	52%		58%			64%			Median	69%		75%

Some states not reporting

## Five most improved US states

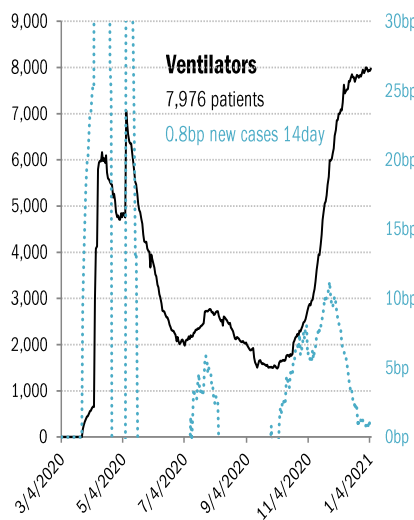
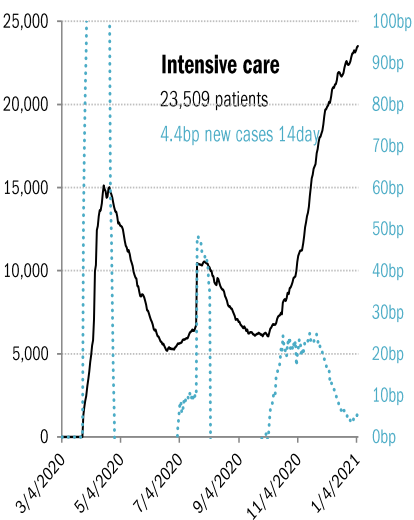
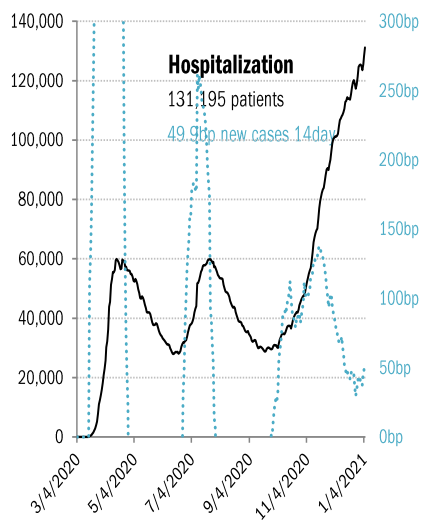
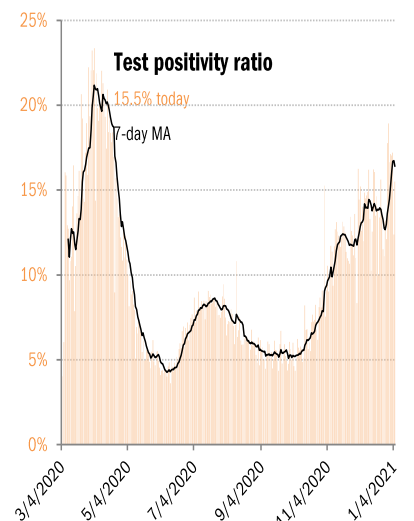
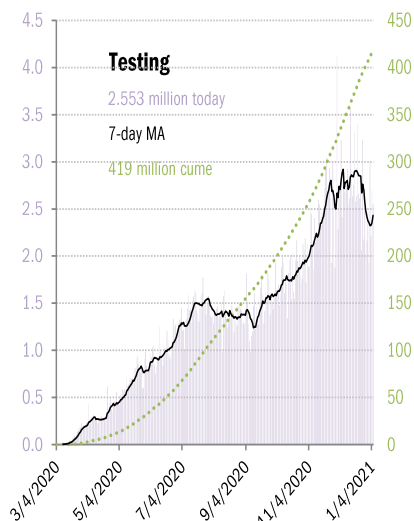
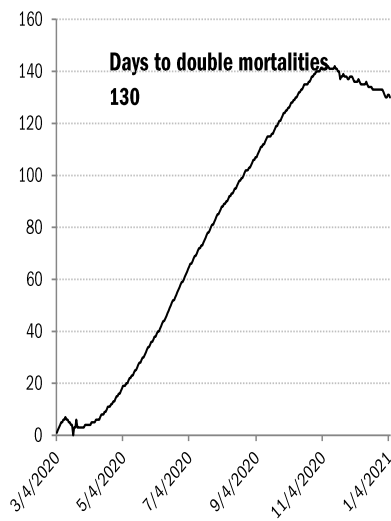
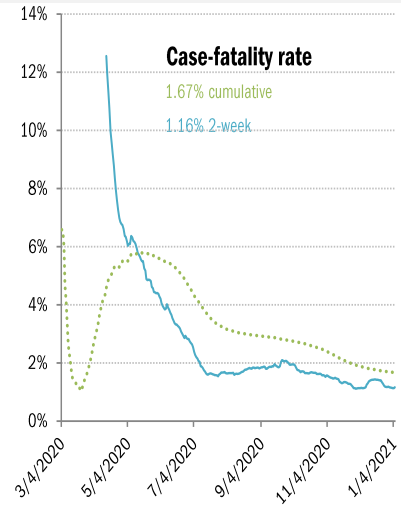
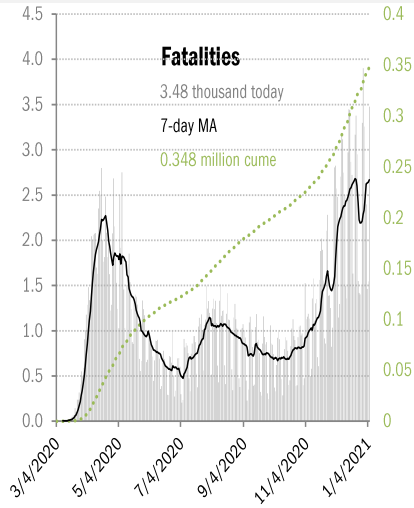
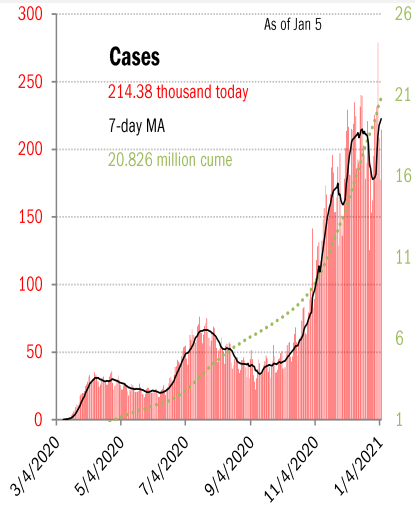
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
WA	-7,605	CT	-45	IL	-174	TX	+23,443
KS	-3,572	TN	-44	AL	-163	CH	+11,130
MI	-2,459	IA	-39	FL	-162	TN	+8,713
CT	-2,184	KS	-18	CH	-127	PA	+6,173
MN	-1,571	NY	-18	ID	-98	OK	+4,120



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

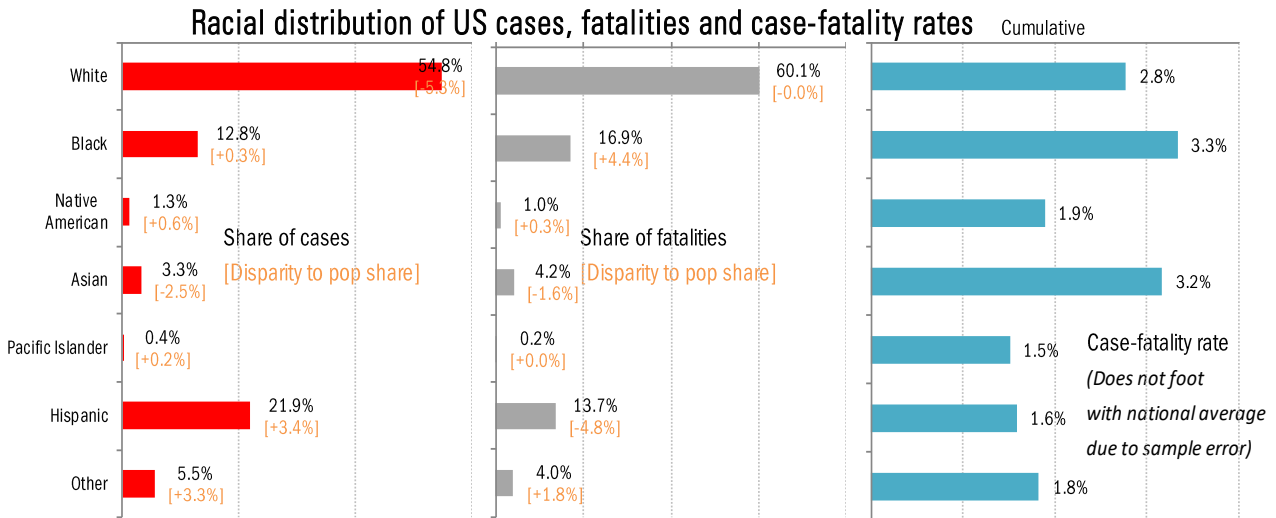
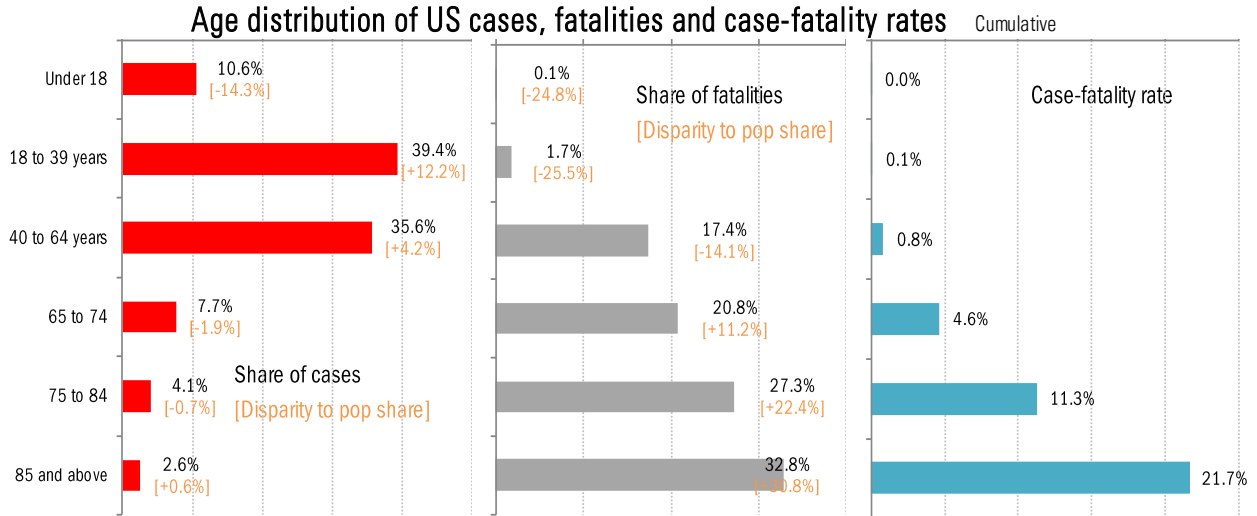
# US deep-dive

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

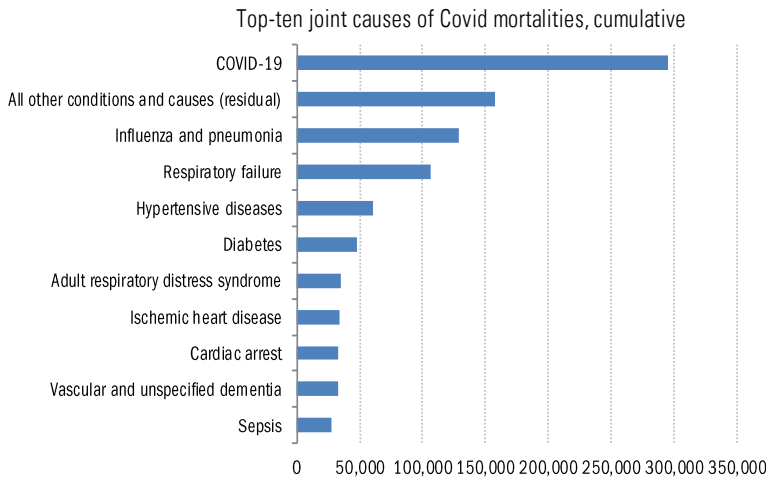


Source: [Covid Tracking Project](https://covidtracking.com), TrendMacro calculations

# 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

### [The Lab-Leak Hypothesis](#)

Nicholson Baker  
*New York Magazine*  
January 4, 2021

### [Lockdowns Starve Mom and Pop](#)

Andy Pudzer  
*Wall Street Journal*  
January 4, 2021

### [Why did the world react so hysterically to covid?](#)

Sebastian Rushworth  
January 3, 2021

## Meme of day

Politics

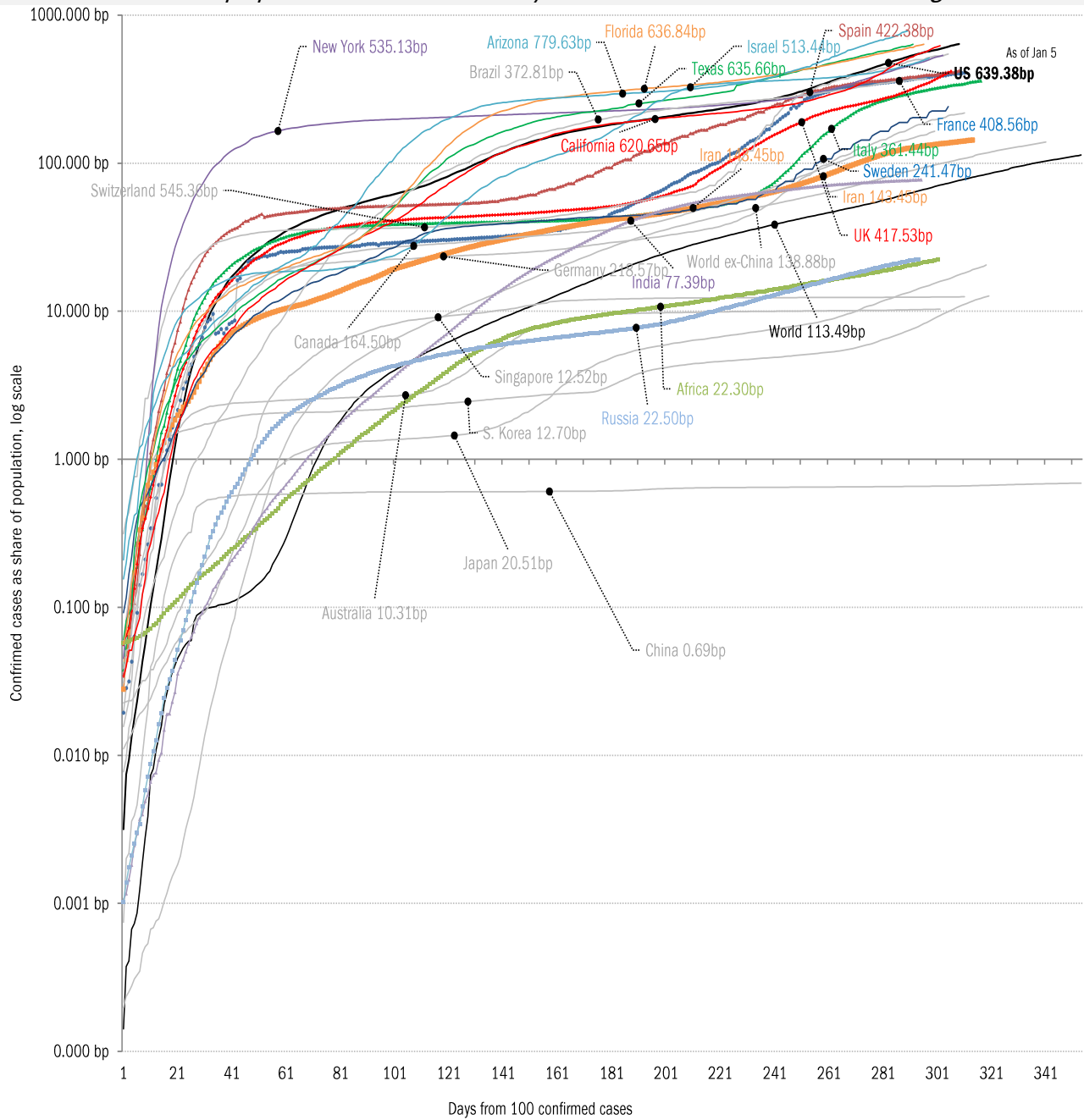
# Biden Promises Nationwide Mask Mandate And Womandate

January 4th, 2021



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

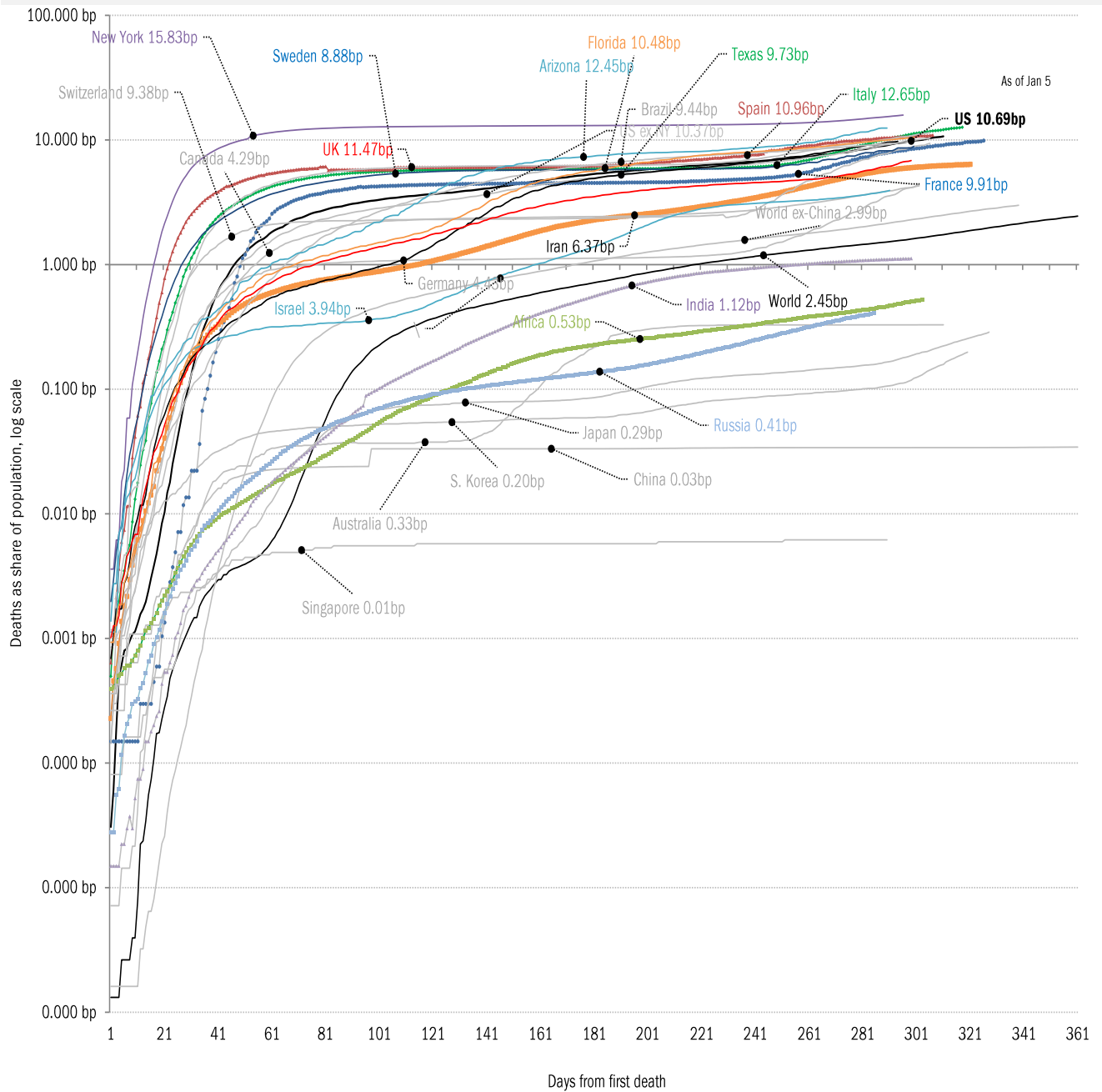
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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



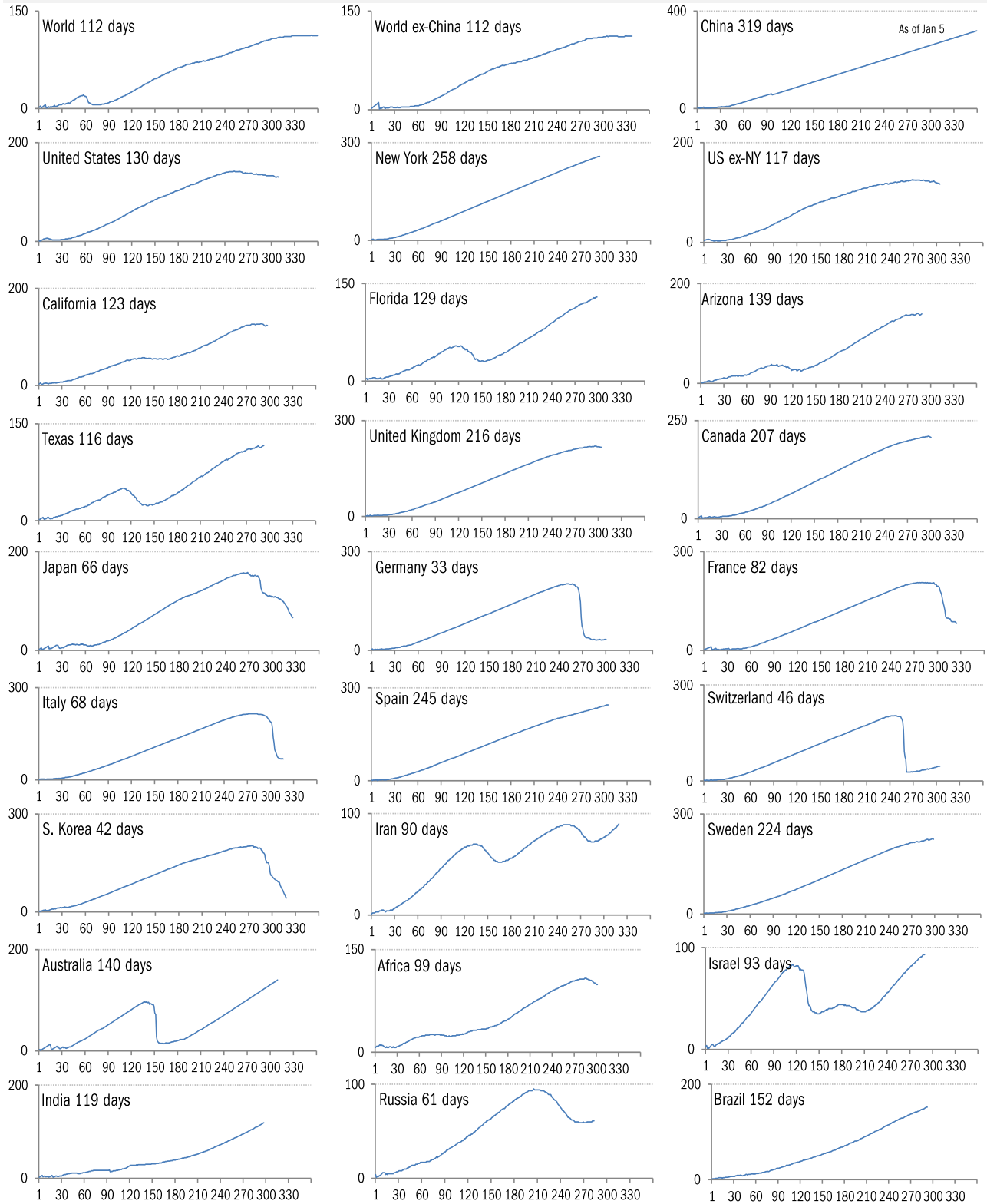
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



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

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

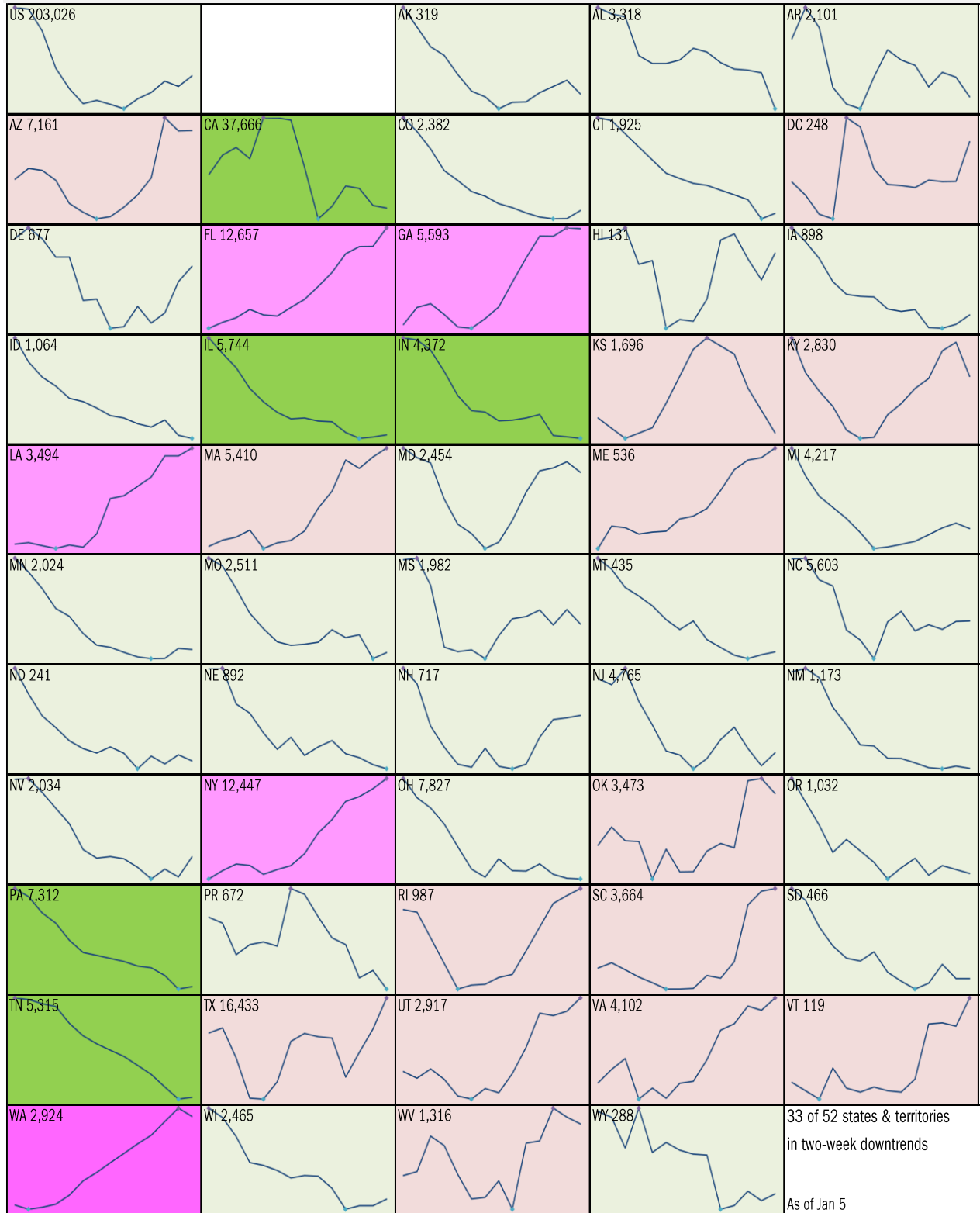
Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



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

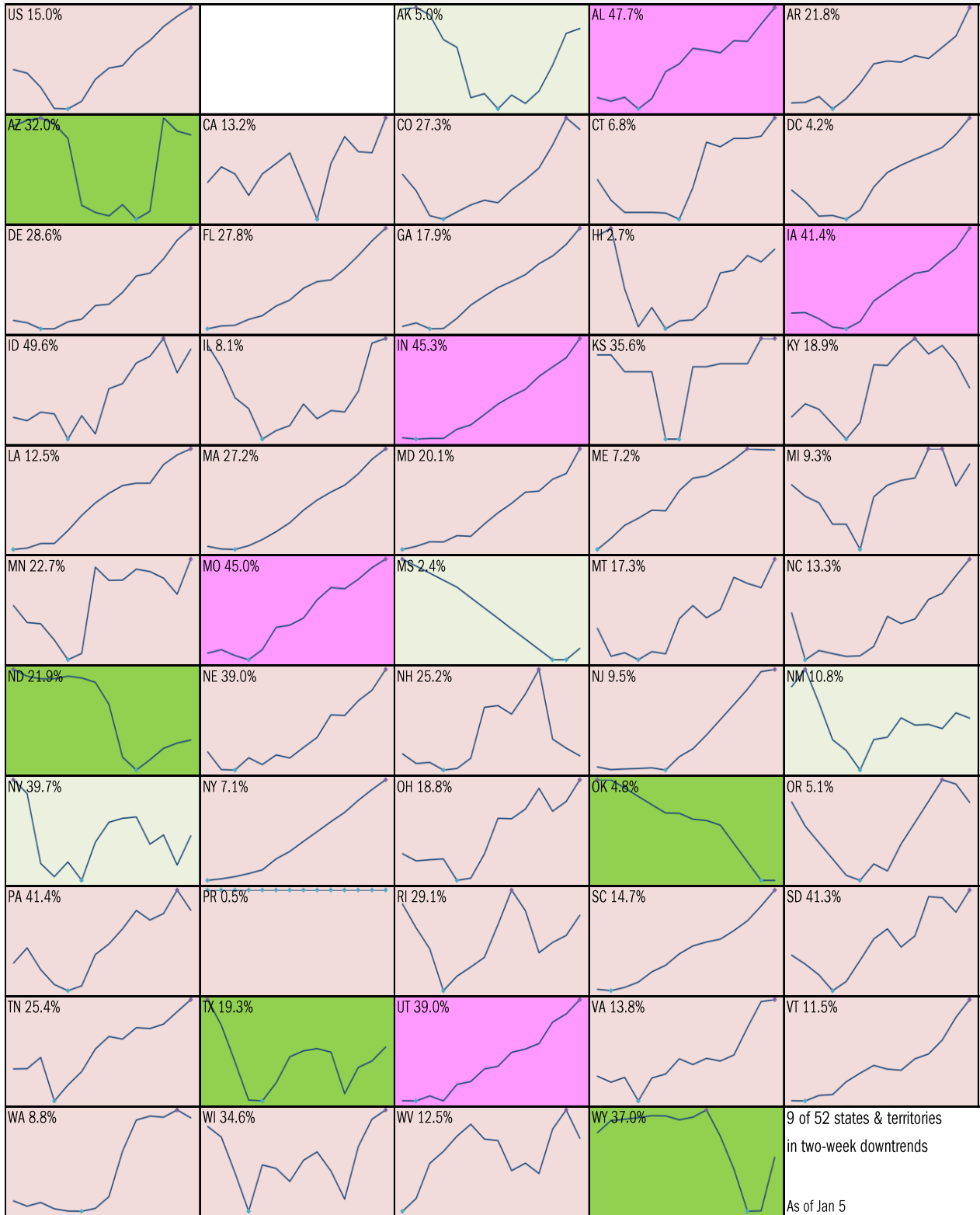


Source: [Covid Tracking Project](#), TrendMacro calculations

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



As of Jan 5

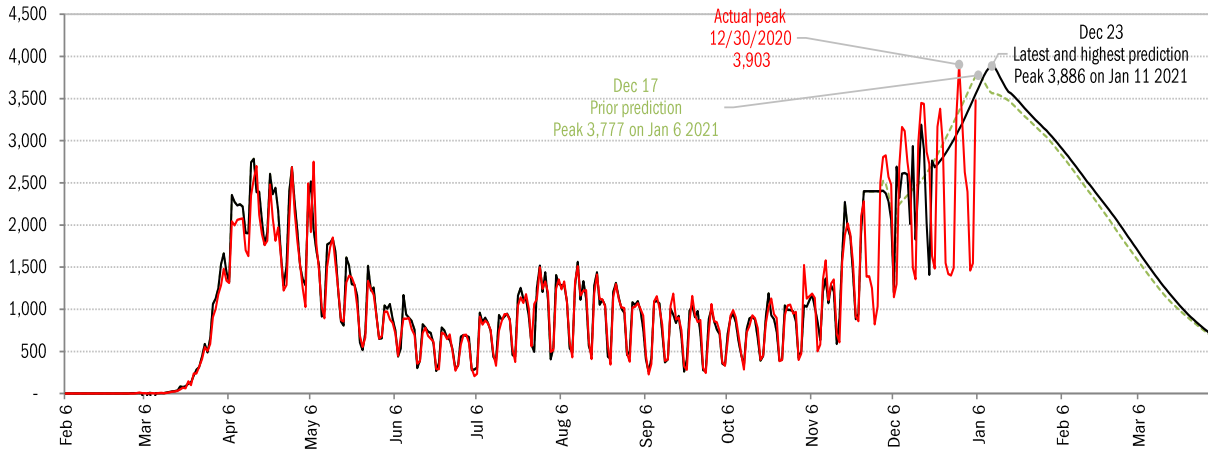
Source: [Covid Tracking Project](#), TrendMacro calculations

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

## New daily fatalities

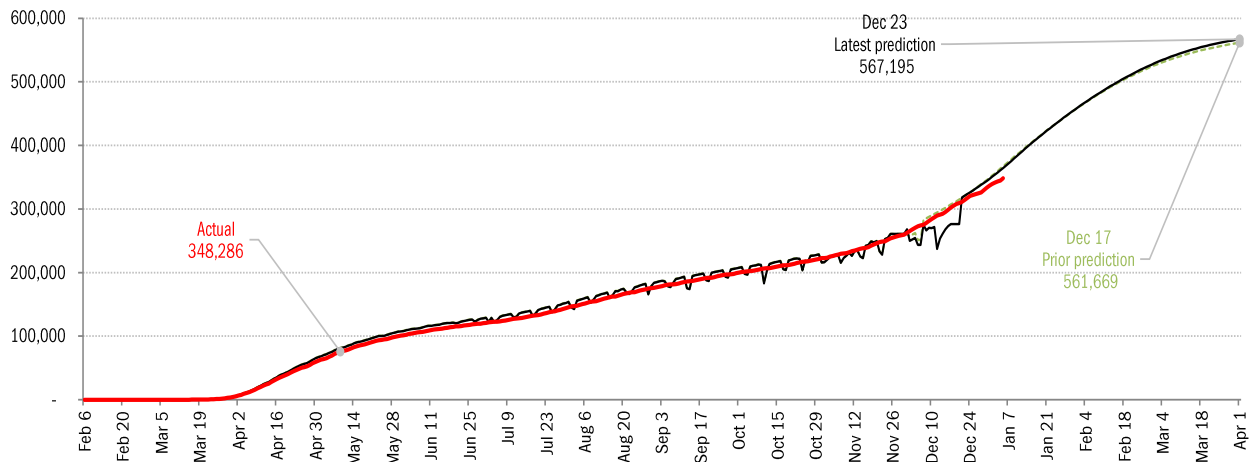
As of Jan 5

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

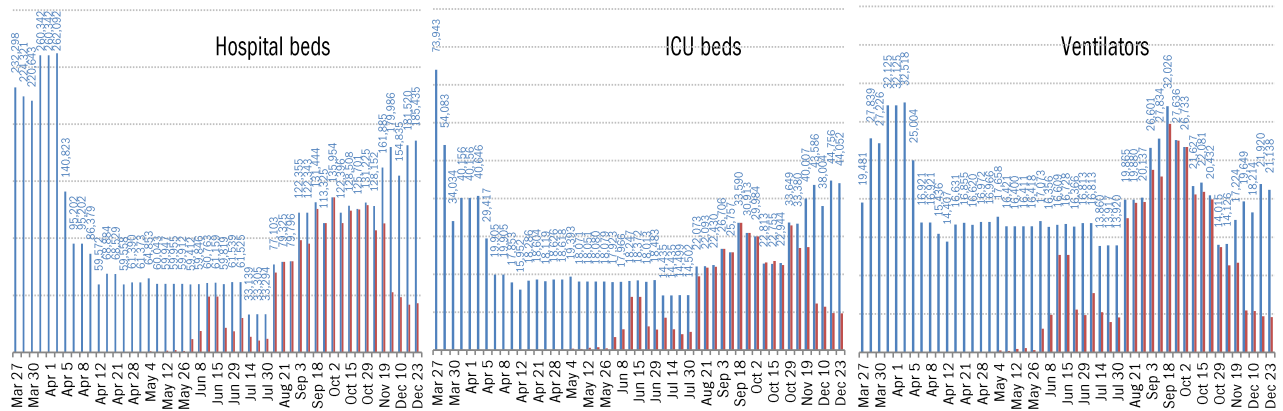


## Cumulative fatalities

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

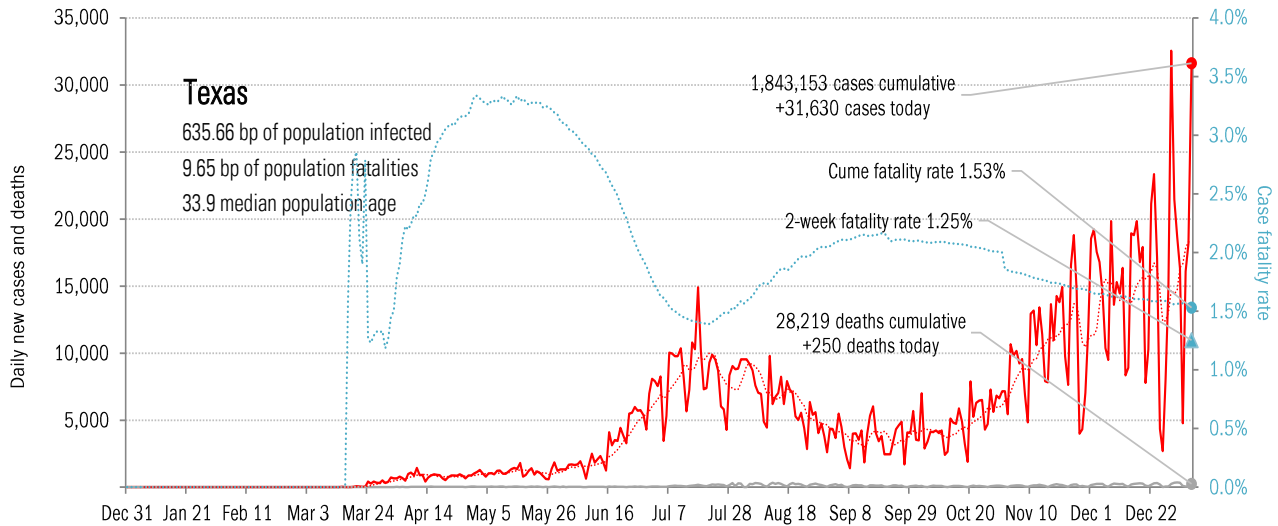
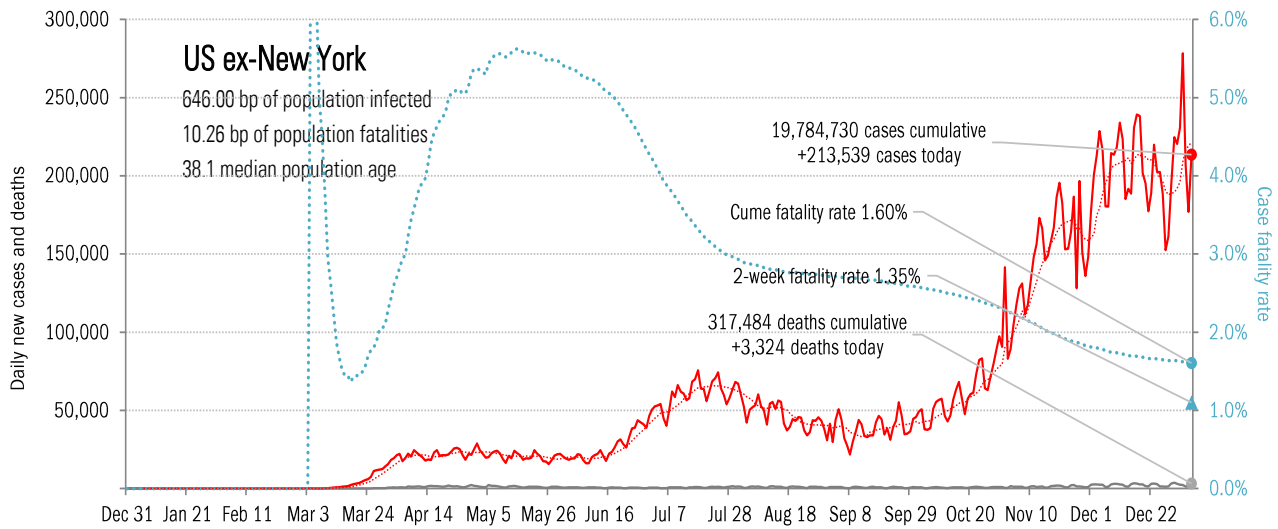
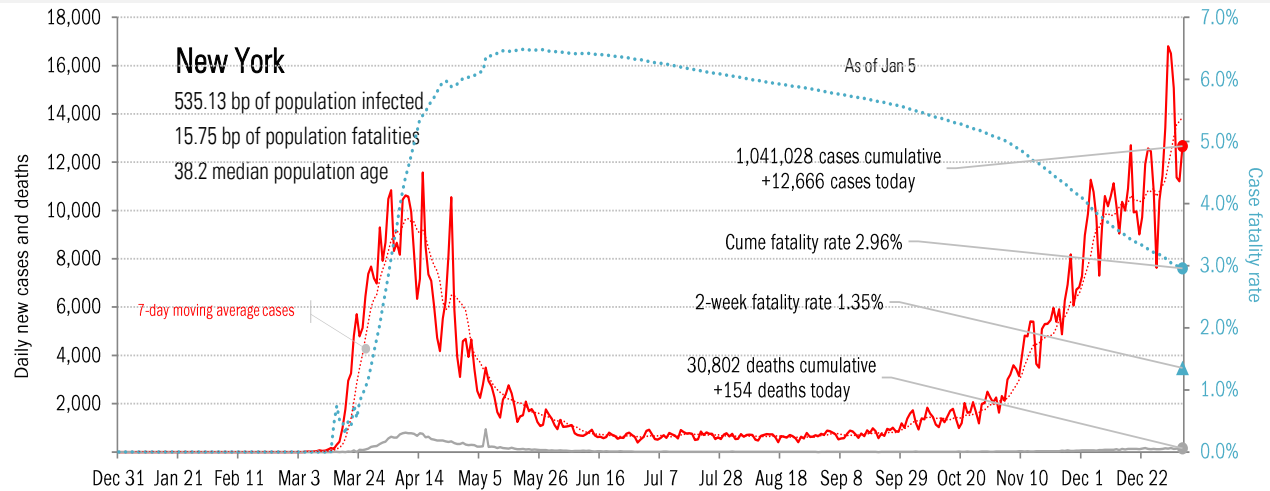


## Healthcare system stress, **peak** and **ultimate** estimated at each model revision



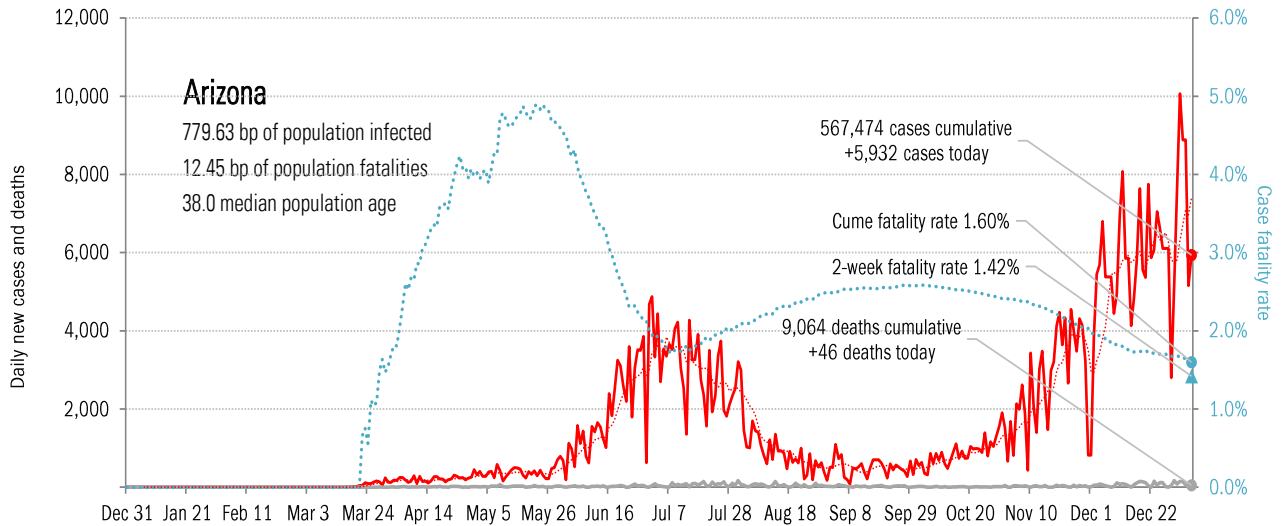
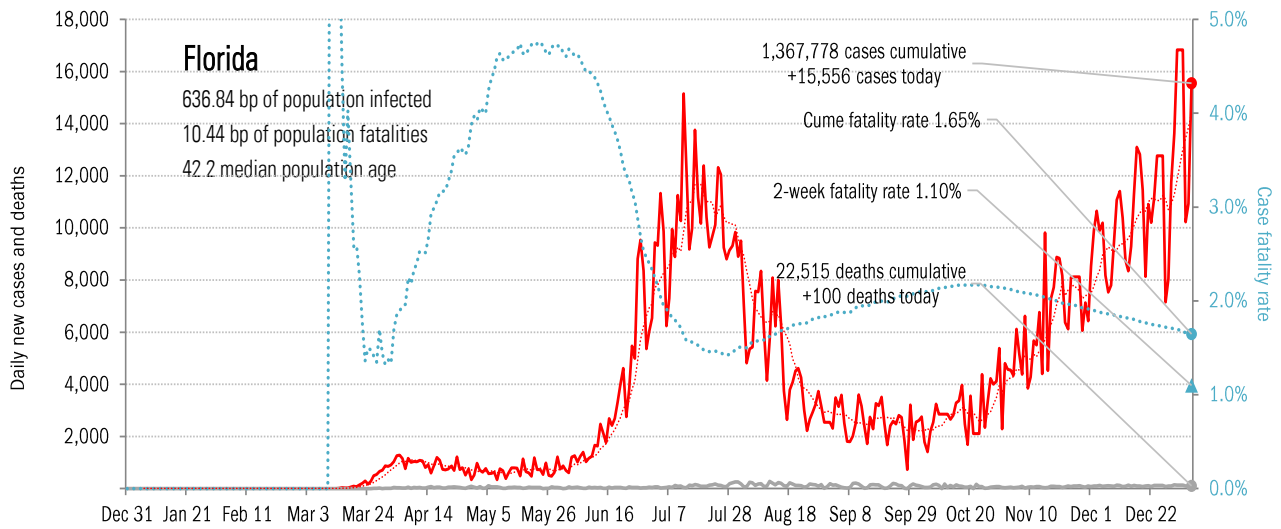
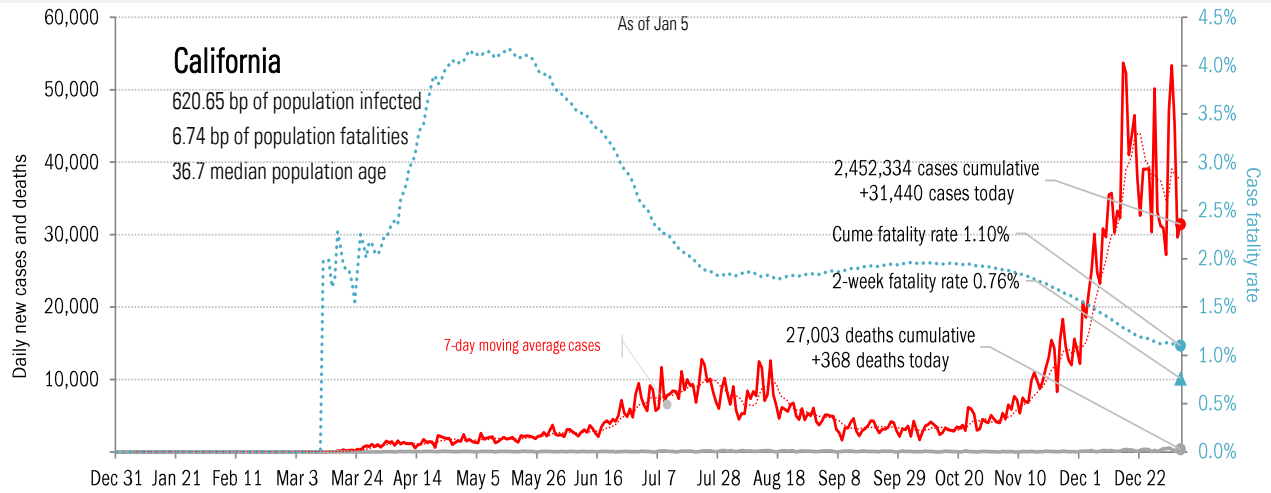
Source: [IHME Covid Tracking Project](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



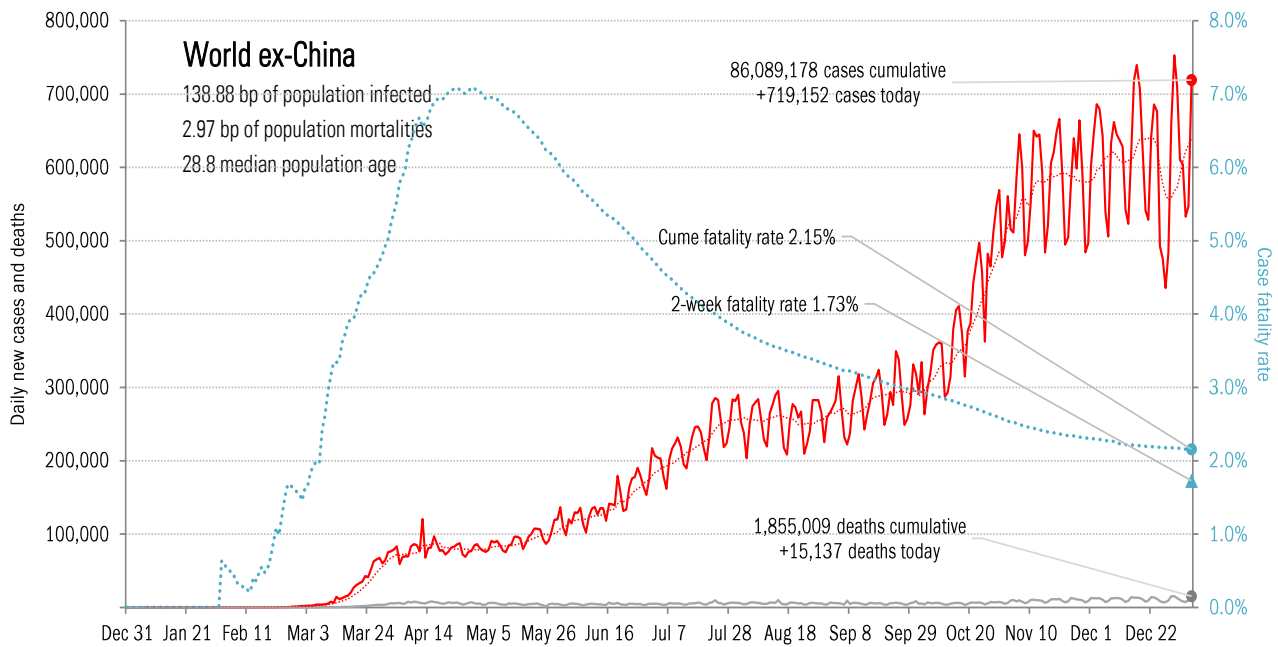
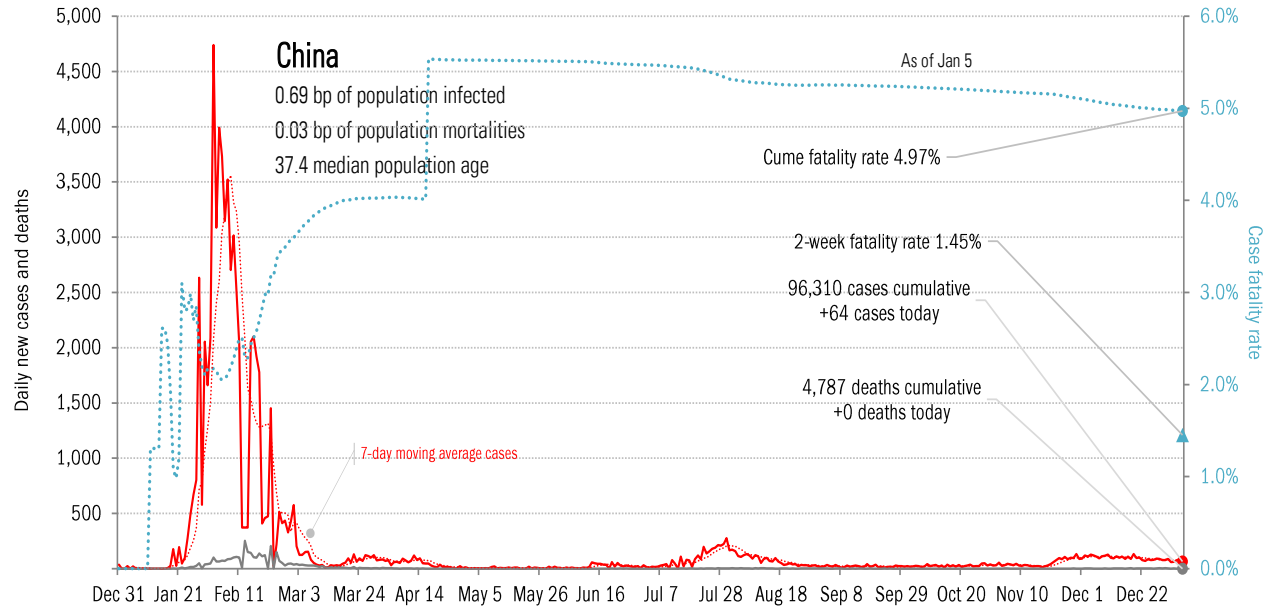
Source: [Covid Tracking Project](#), TrendMacro calculations

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



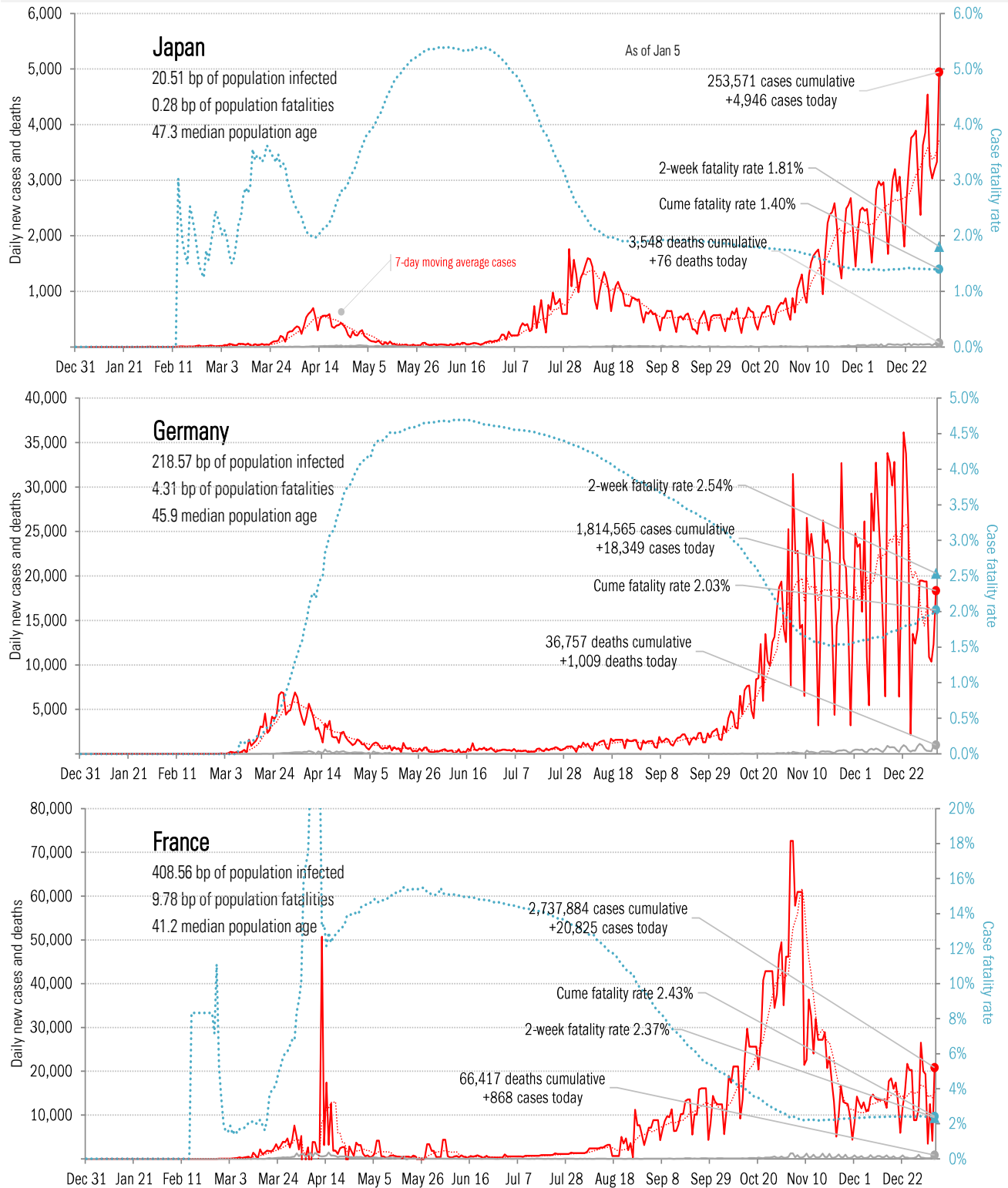
Source: [Covid Tracking Project](#), TrendMacro calculations

# Patient zero... and then everyone else



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

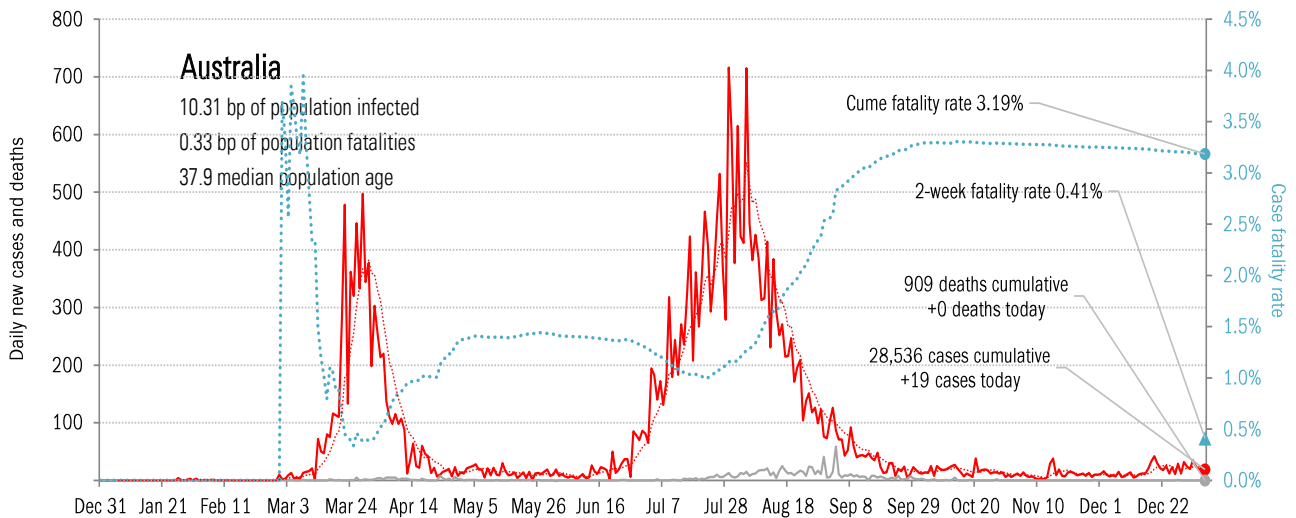
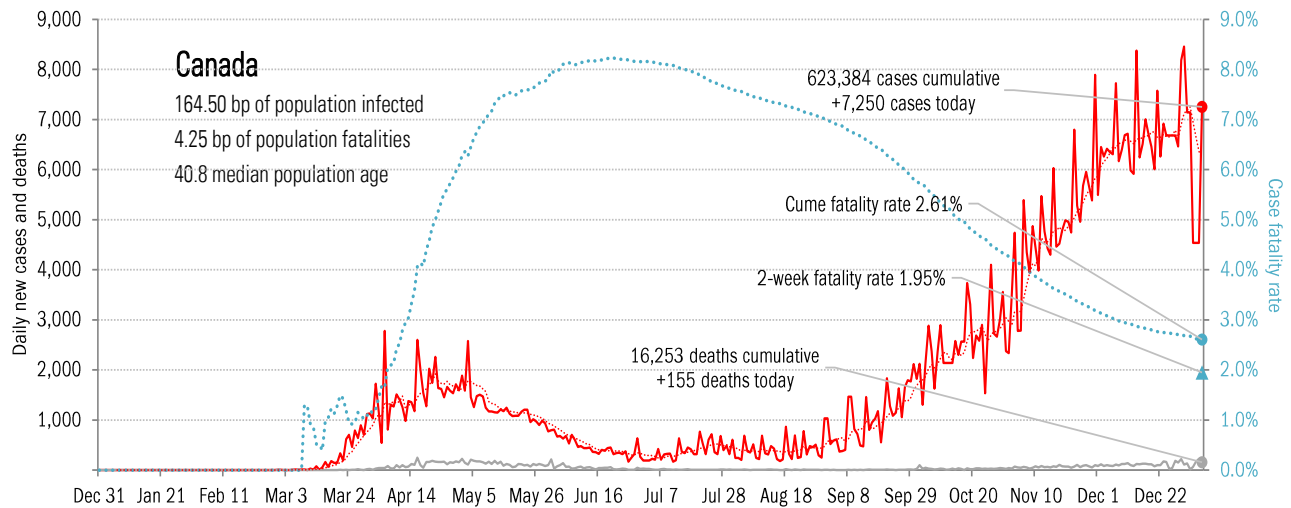
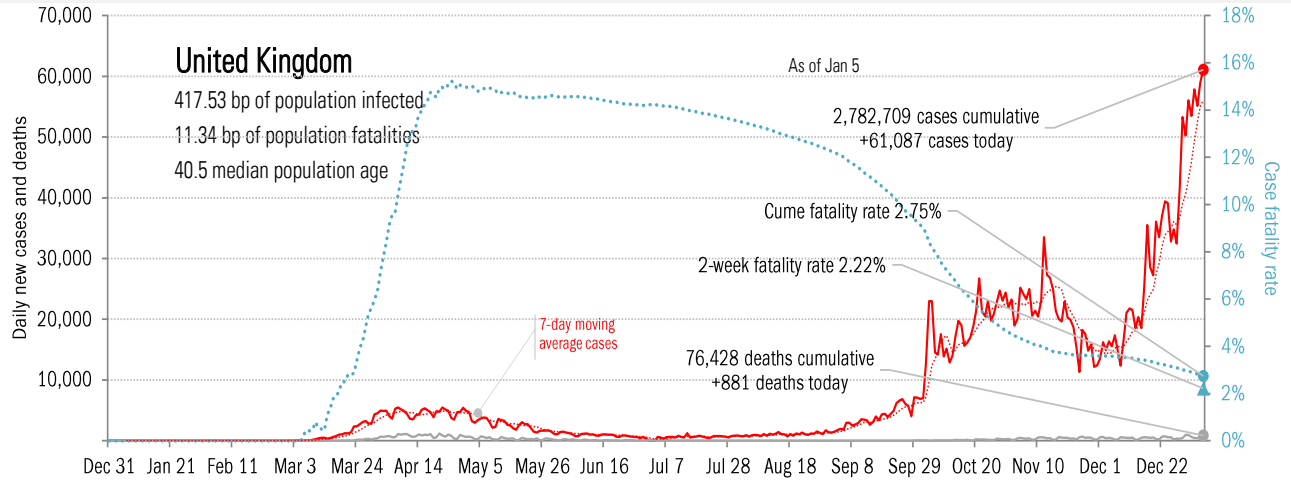
# Impact in the largest economies



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

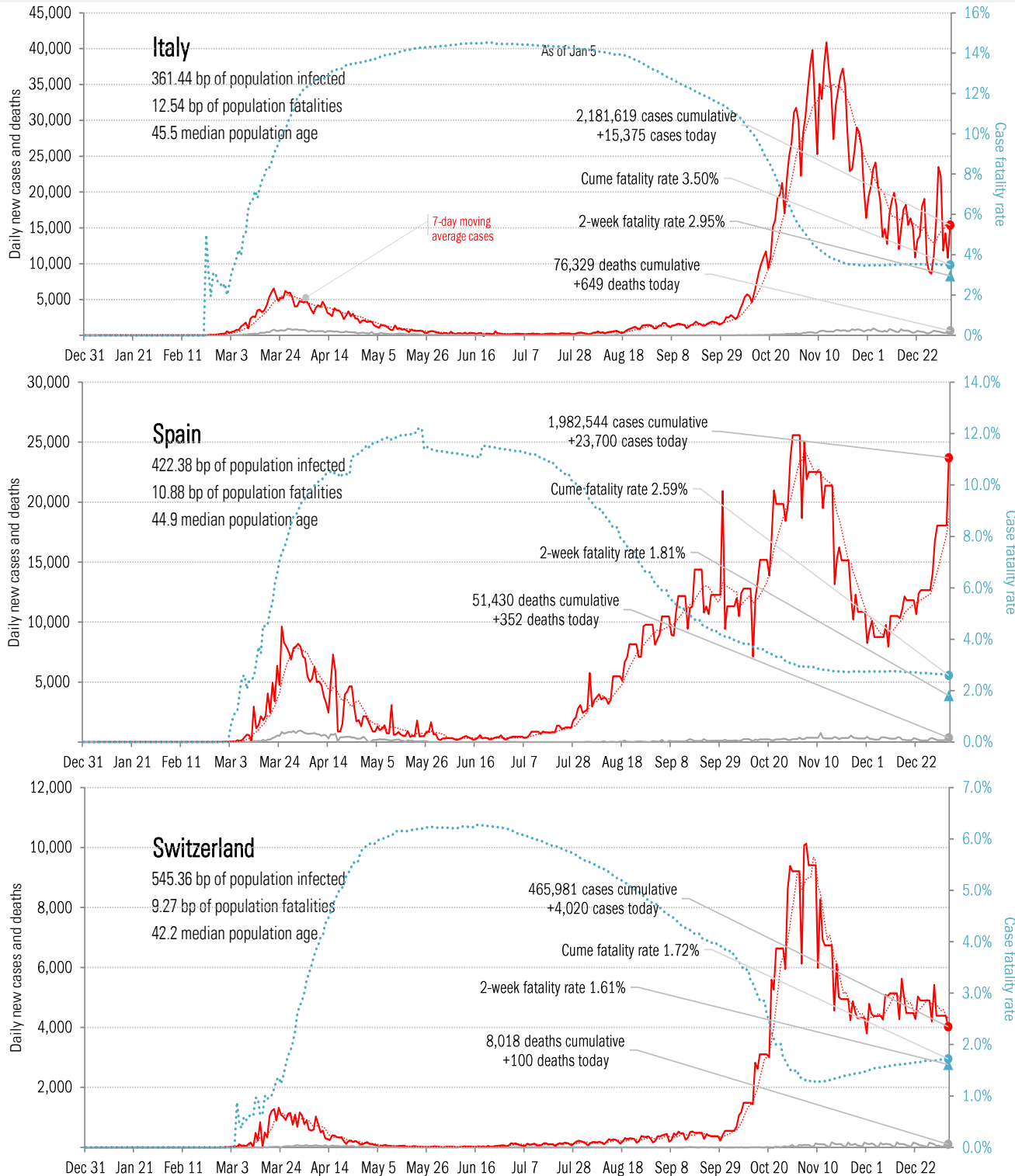


# Impact in The Anglosphere



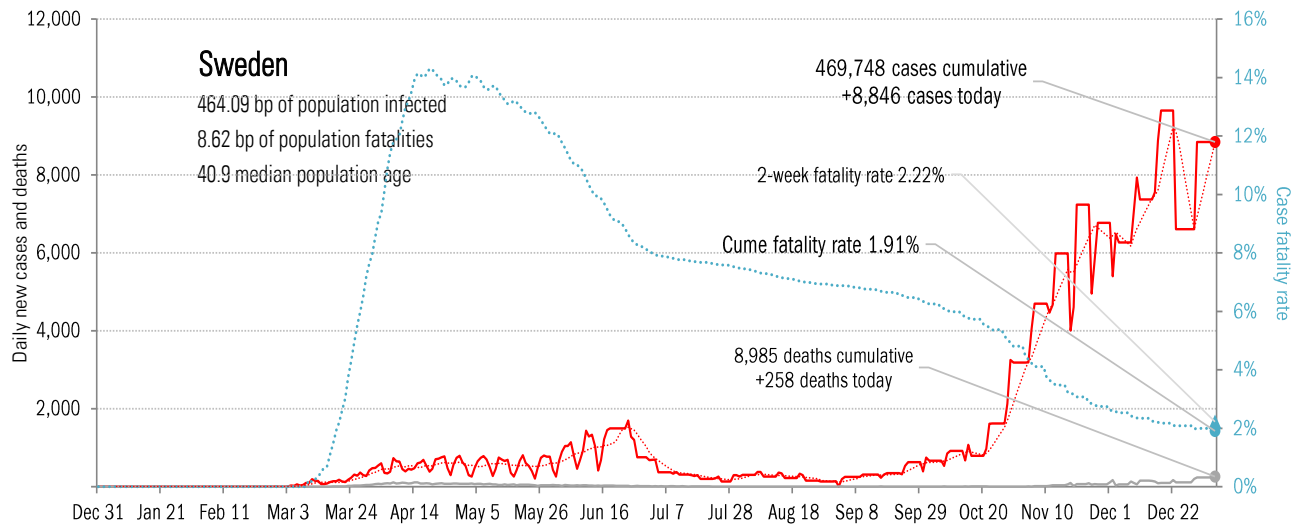
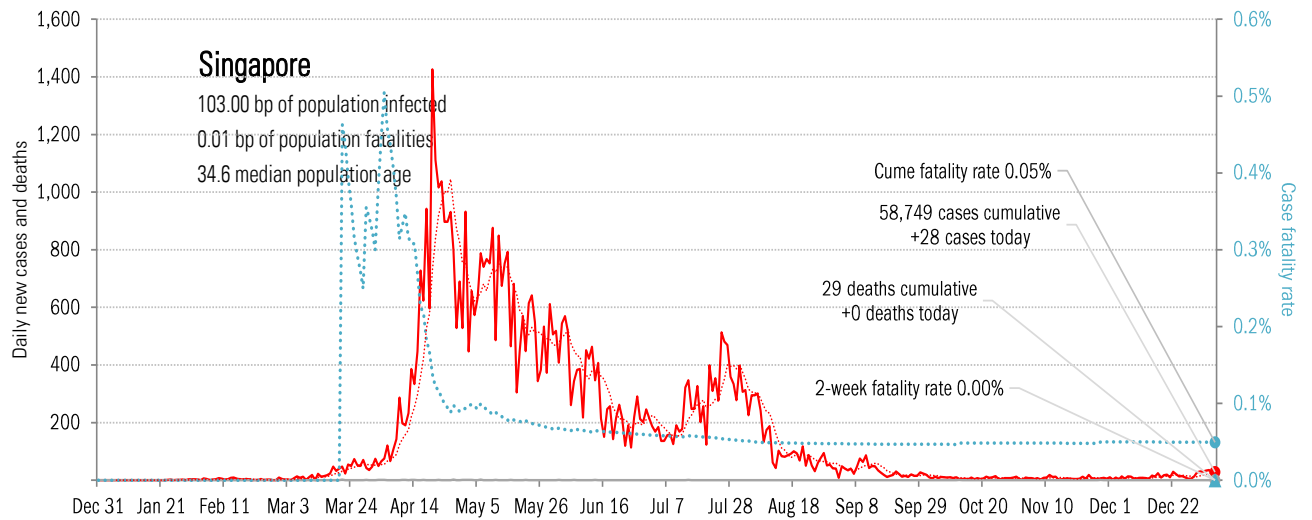
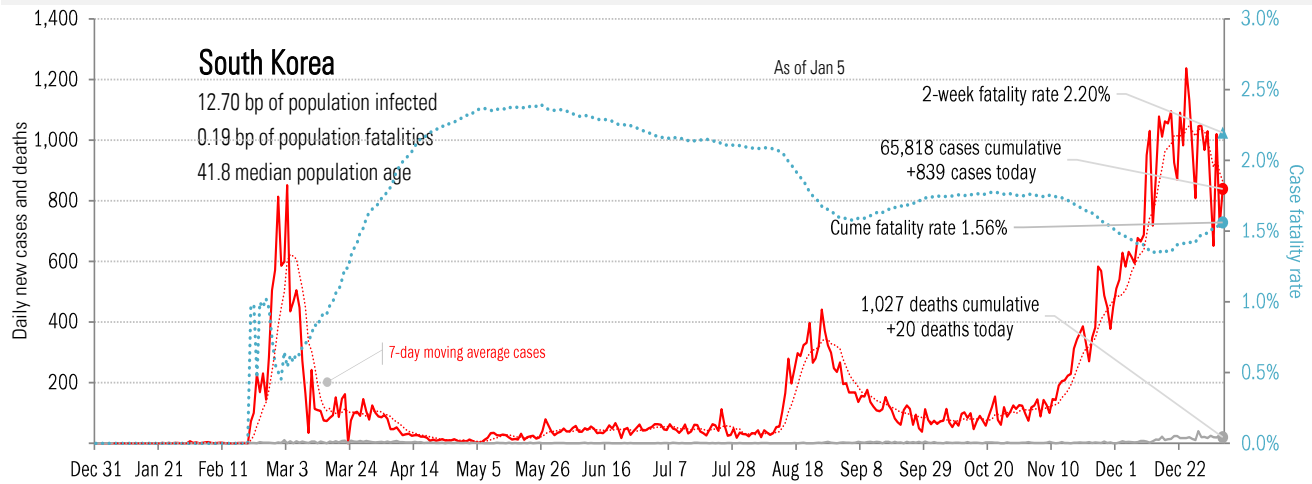
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe



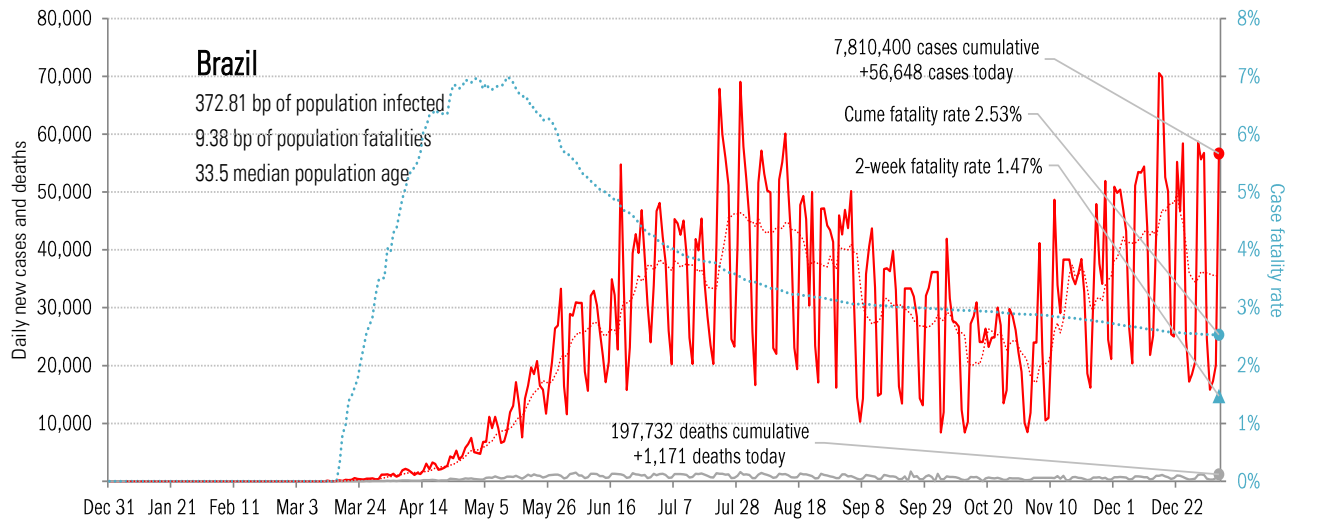
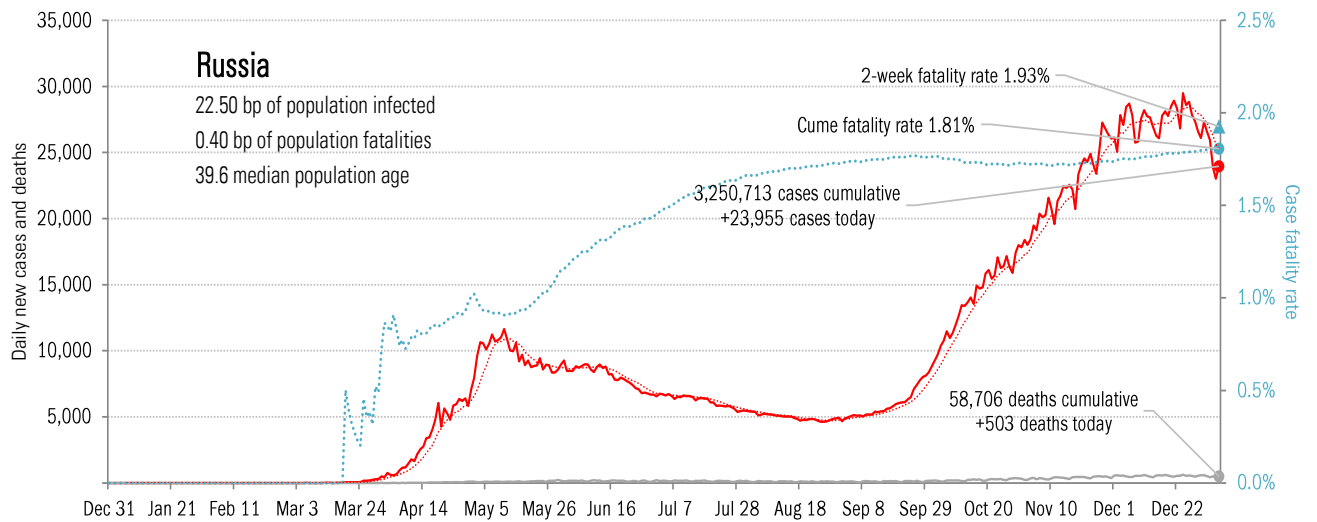
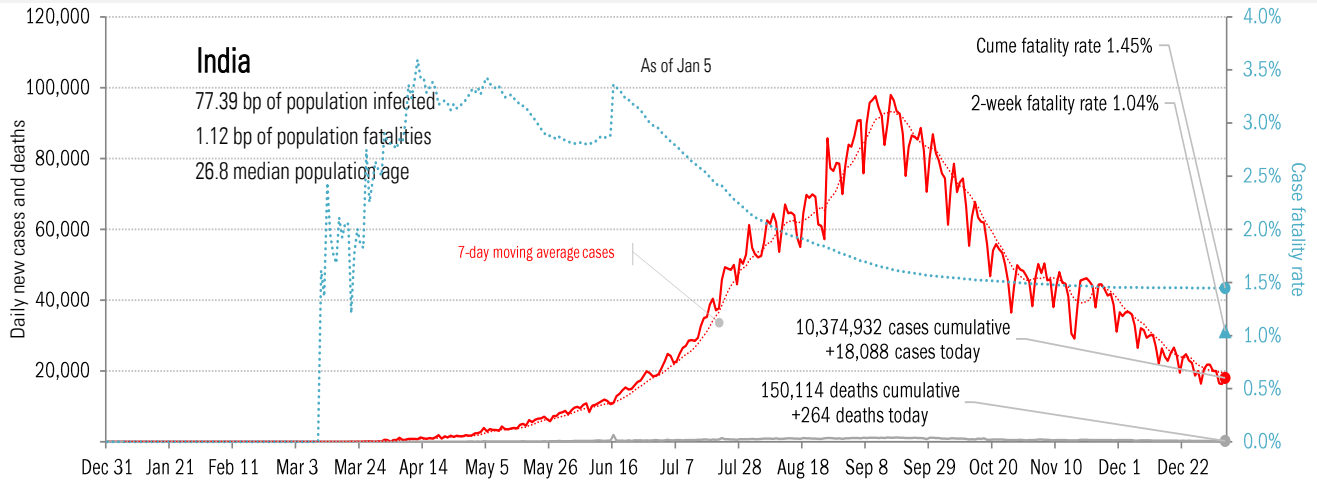
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



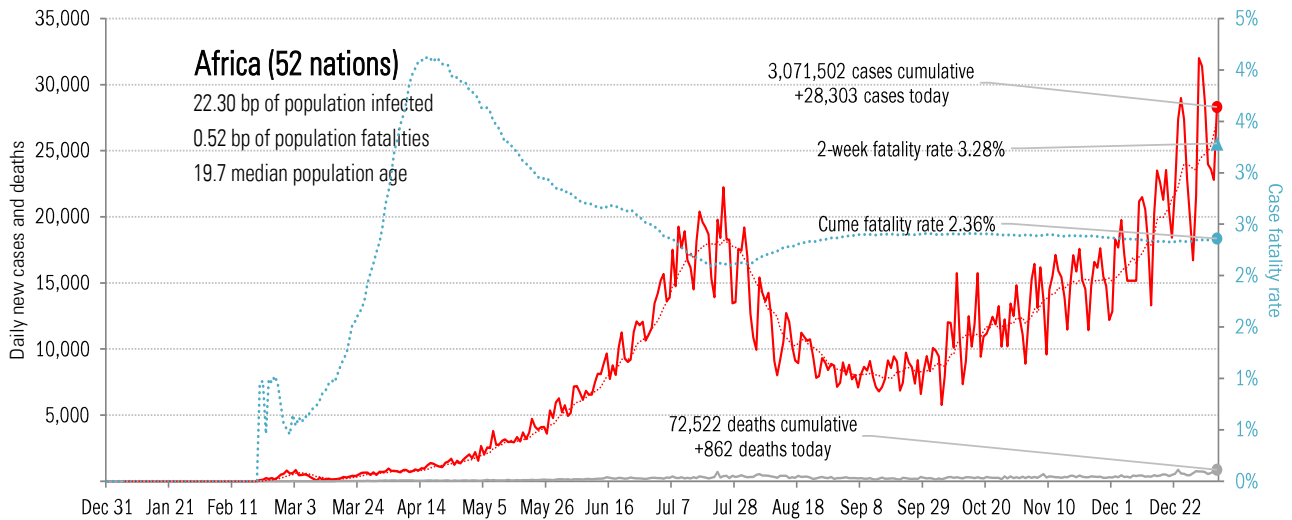
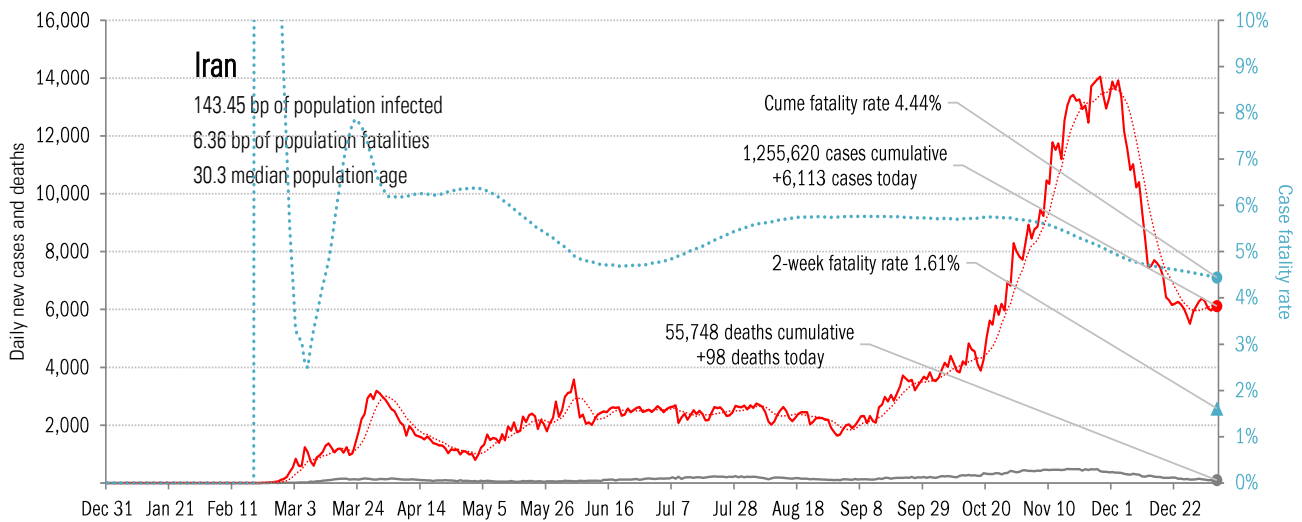
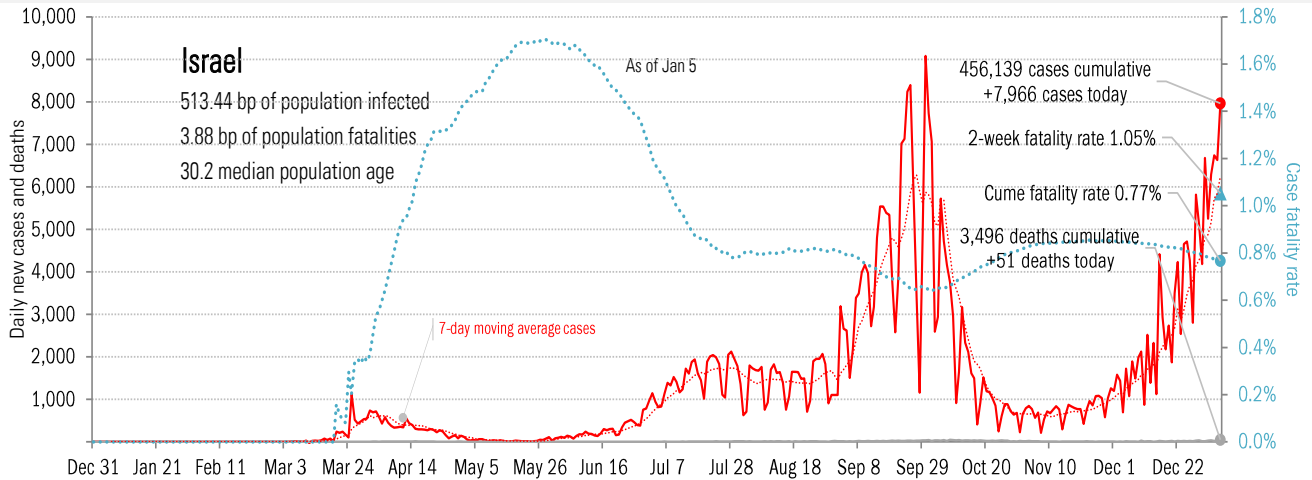
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



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

# Impact in the Middle East and Africa



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