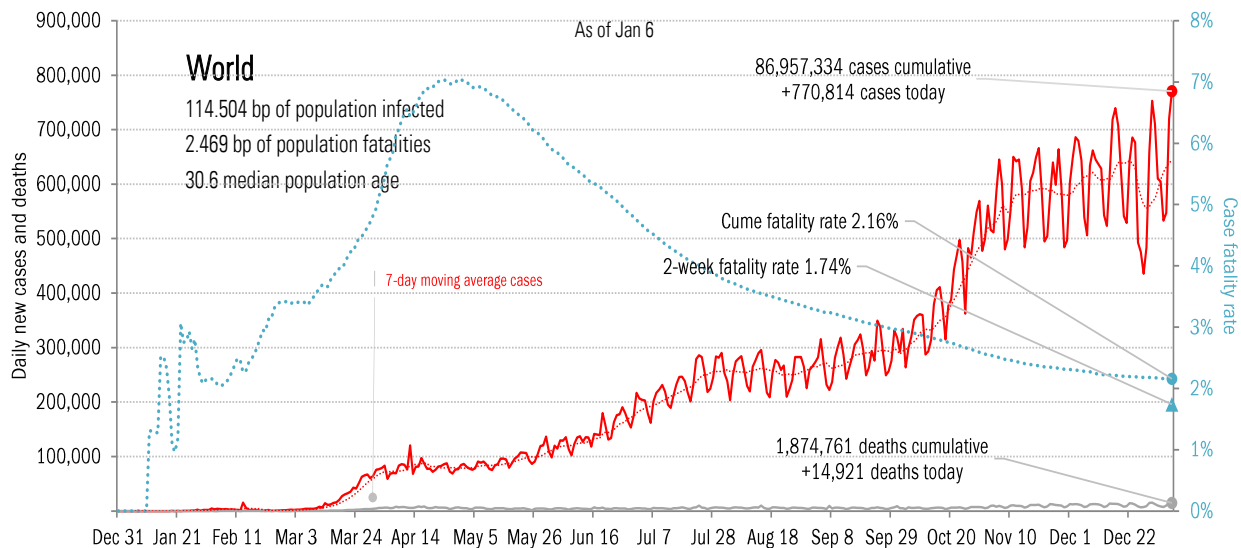
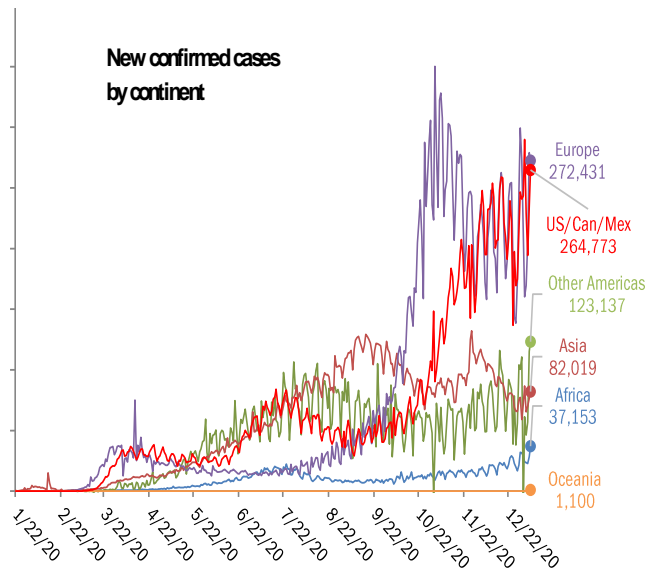


## Data Insights: Covid-2019 Monitor

Thursday, January 7, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+243,346	United States	+3,793
Brazil	+63,430	Brazil	+1,242
United Kingdom	+62,556	Mexico	+1,165
Germany	+26,663	Germany	+1,078
France	+25,232	United Kingdom	+1,042
Russia	+23,902	South Africa	+844
South Africa	+21,832	Poland	+553
India	+20,346	Italy	+548
Italy	+20,326	Russia	+431
Czechia	+17,332	Colombia	+295
<b>+524,965</b>		<b>+10,991</b>	
World	+770,814	World	+14,921
Top ten	68%	Top ten	74%



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

#### For more information contact us:

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# The US scorecard

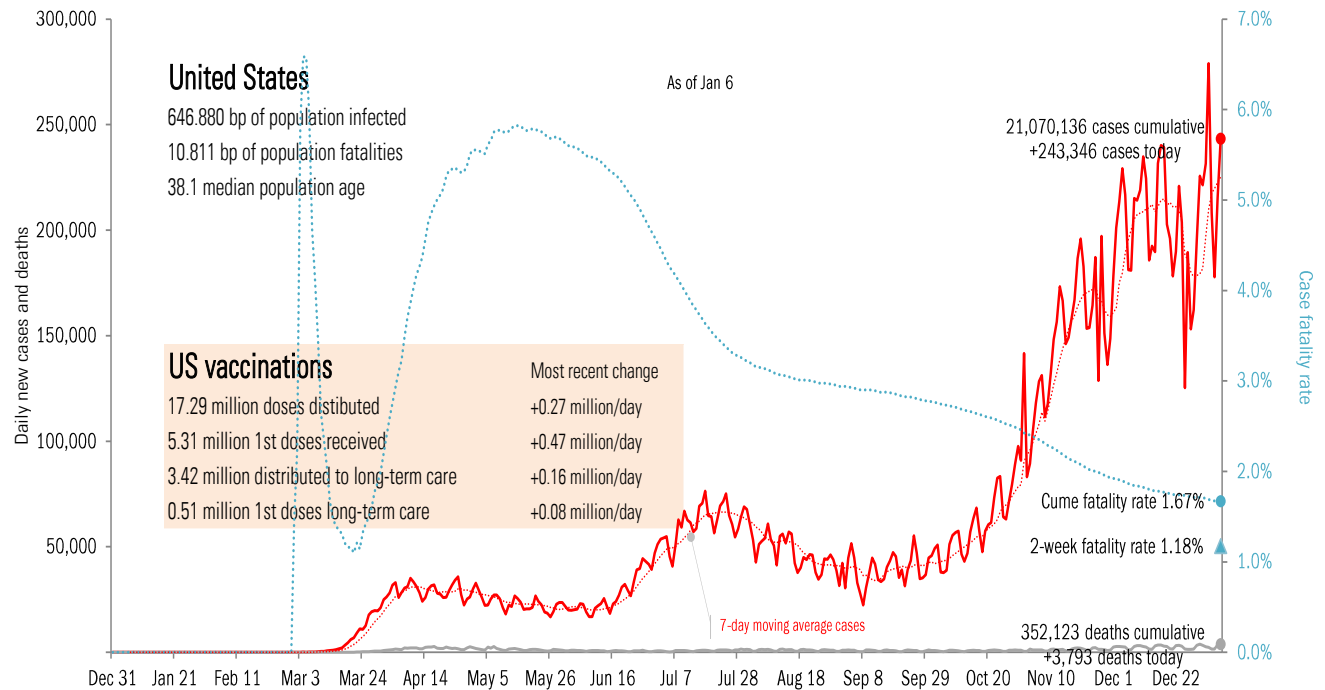
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	+29,892		CA	+459		CA	+335		CA	2,482,226		NY	30,965		NY	89,995		R	87%	NM	93%
TX	+24,010		PA	+368		TX	+320		TX	1,867,163		TX	28,545		FL	65,232		GA	85%	AL	92%
FL	+17,262		TX	+326		KS	+176		FL	1,385,040		CA	27,462		NJ	49,324		MD	83%	GA	91%
NY	+16,648		IL	+173		GA	+140		NY	1,057,676		FL	22,647		GA	43,629		SC	82%	CA	88%
PA	+9,474		NY	+163		NC	+112		IL	999,288		NJ	19,523		AZ	41,063		DC	80%	OK	88%
CH	+7,814		NJ	+141		MD	+91		CH	742,817		IL	18,735		CH	40,104		NV	80%	TX	87%
TN	+7,588		FL	+132		TN	+89		PA	683,389		PA	16,914		IN	36,314		NC	79%	RI	87%
IL	+7,569		KS	+130		AZ	+88		TN	625,237		MI	13,667		AL	36,059		CT	78%	NV	86%
AZ	+7,206		AZ	+127		OK	+85		GA	602,796		MA	12,836		MD	27,711		CA	78%	MS	85%
NC	+6,952		CH	+121		MO	+81		NC	582,348		GA	11,165		MN	22,437		AZ	77%	NC	85%
+134,415			+2,140			+1,517			11,027,980			202,459			451,868						
All states	+243,346			+3,793			+1261		All states	21,070,136			352,123			710,833		All states	72%		77%
Top ten	55%			56%			120%		Top ten	52%			57%			64%		Median	69%		75%

Some states not reporting

## Five most improved US states

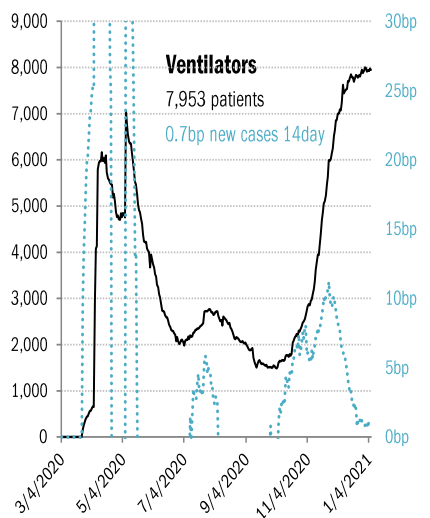
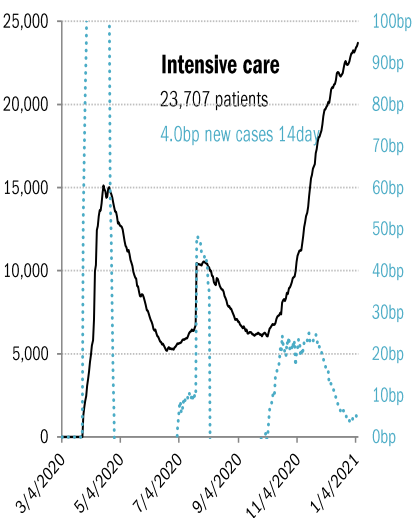
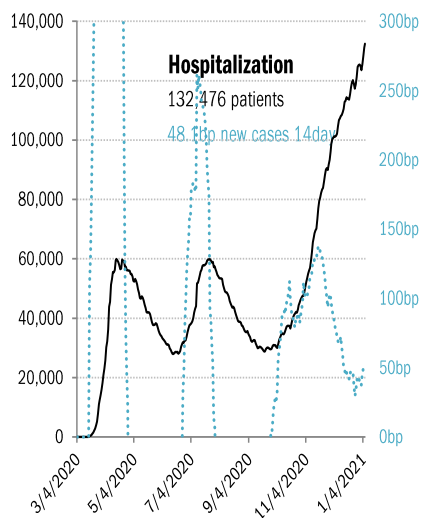
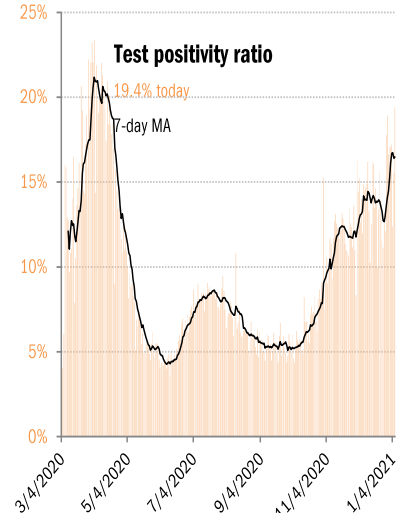
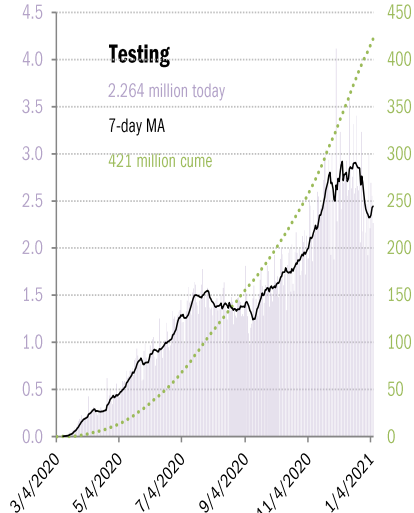
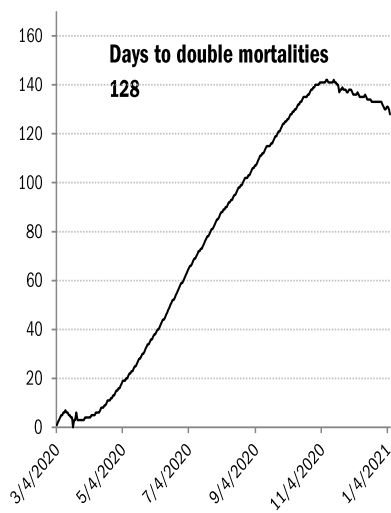
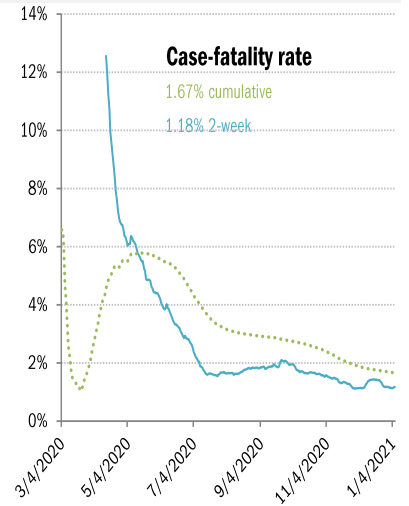
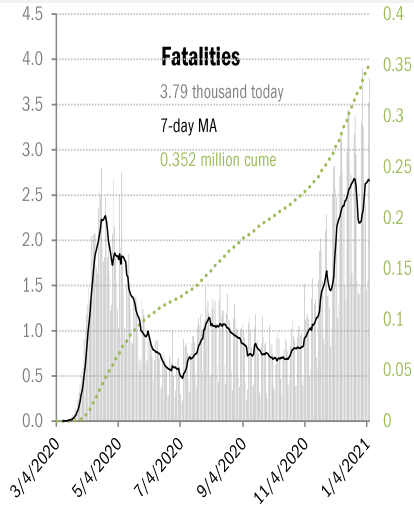
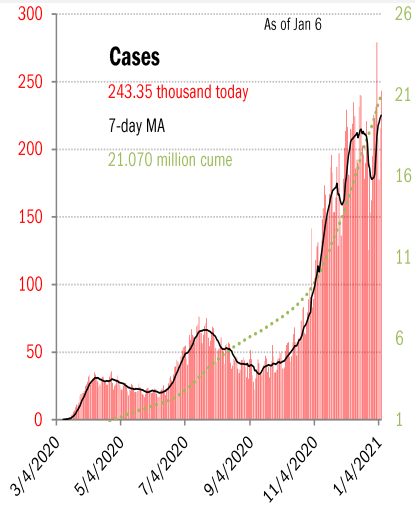
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-7,620	MO	-230	NY	-264	LA	+16,661
AR	-4,107	MI	-158	IN	-196	TX	+16,454
CA	-1,548	AZ	-126	CH	-168	PA	+13,466
CR	-1,035	IN	-69	MI	-161	TN	+9,631
AL	-907	MS	-53	FL	-149	AL	+9,547



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

# US deep-dive

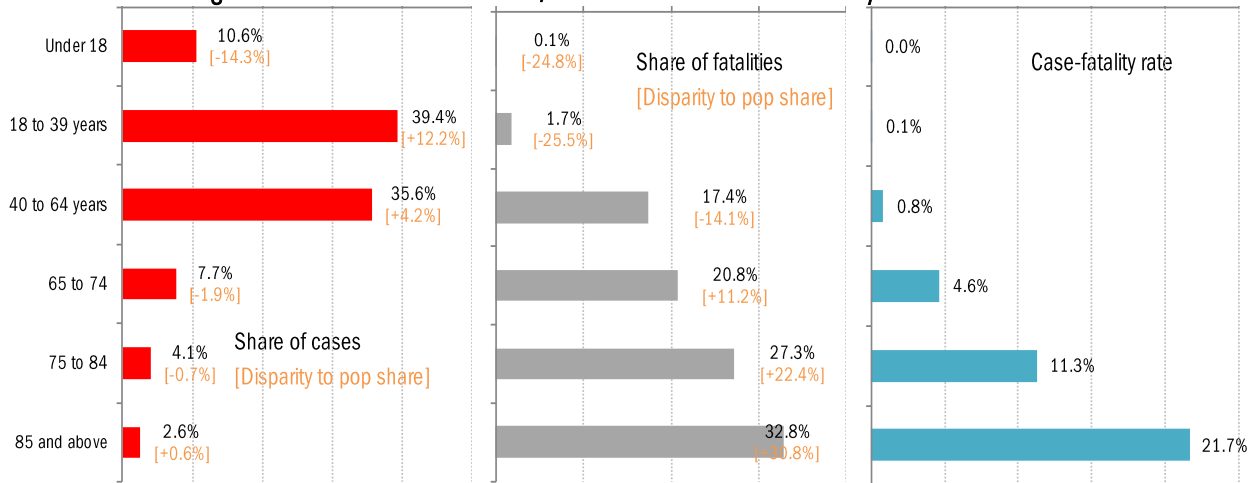
National and state-by-state data do not line up because of different sources



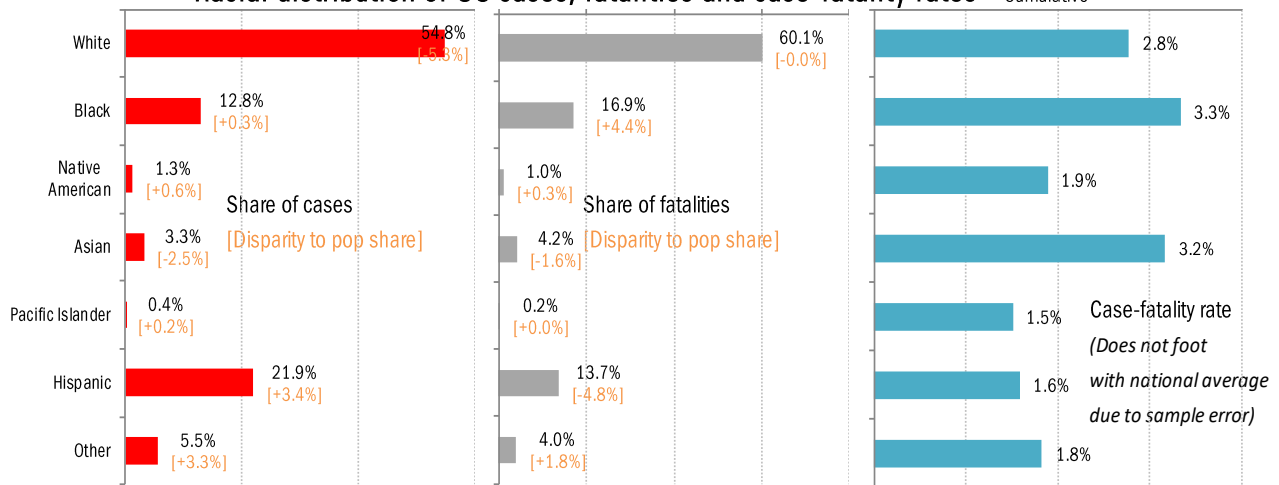
Source: [Covid Tracking Project](https://covidtracking.com), TrendMacro calculations

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

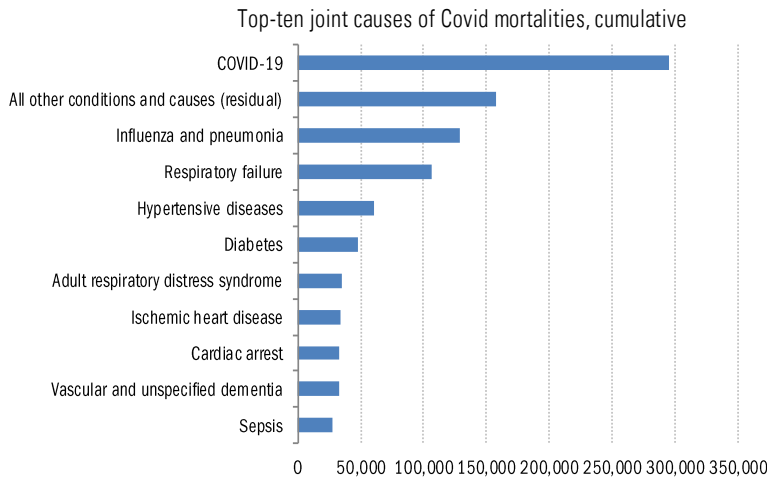
## Age distribution of US cases, fatalities and case-fatality rates



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



## 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

[U.S. Has Been Down This Vaccine Rollout Road Before](#)

Joe Nocera

*Bloomberg*

January 6, 2021

[‘It’s Easy Money’: Nigerian Scammer Laughs about Huge Sums Stolen from COVID Welfare Programs in Bombshell Interview](#)

Brad Polumbo

*Foundation for Economic Education*

January 4, 2021

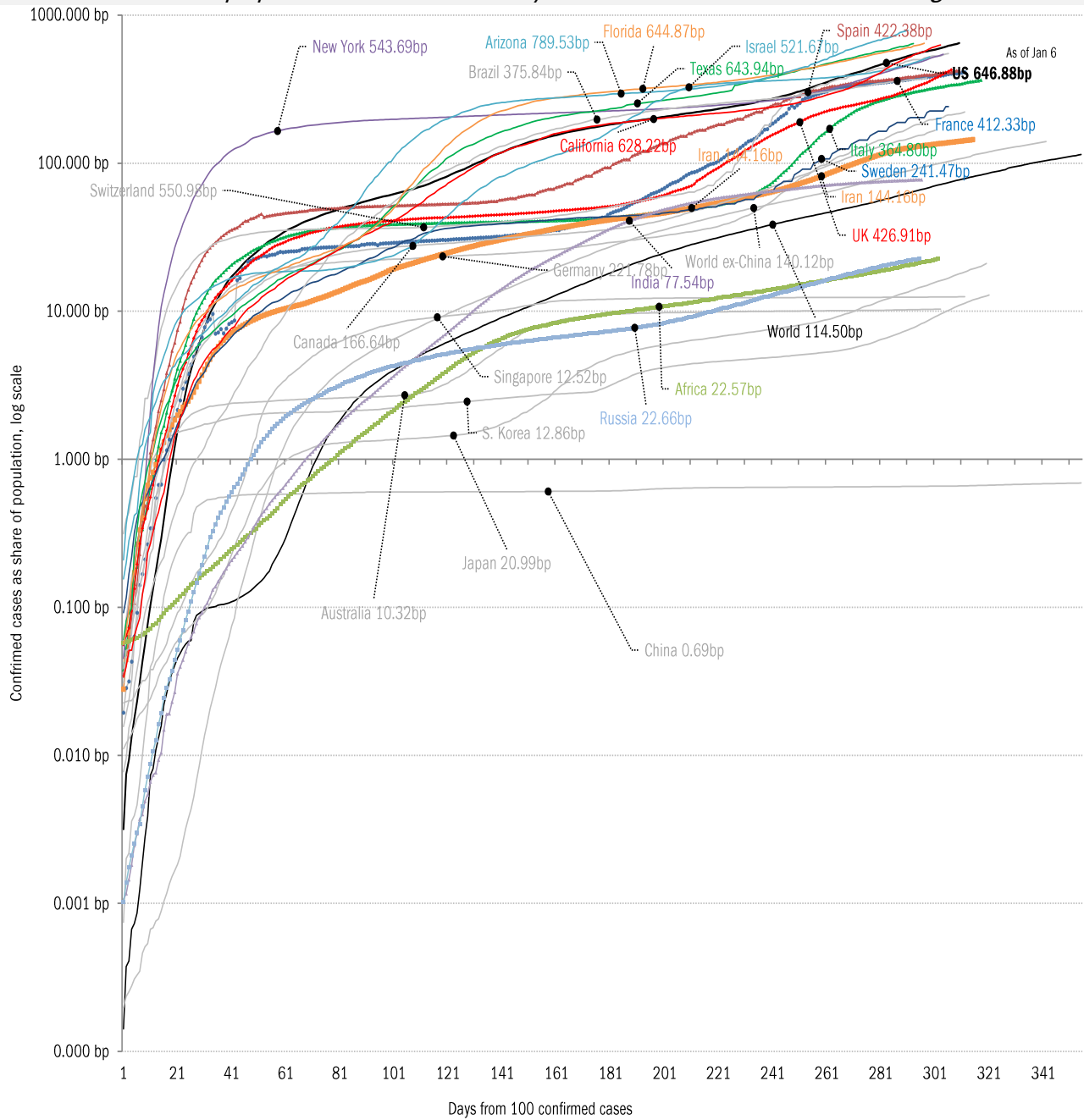
## Meme of day



# Extreme New Show Has Bear Grylls Try To Survive A Day In A New York Nursing Home

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

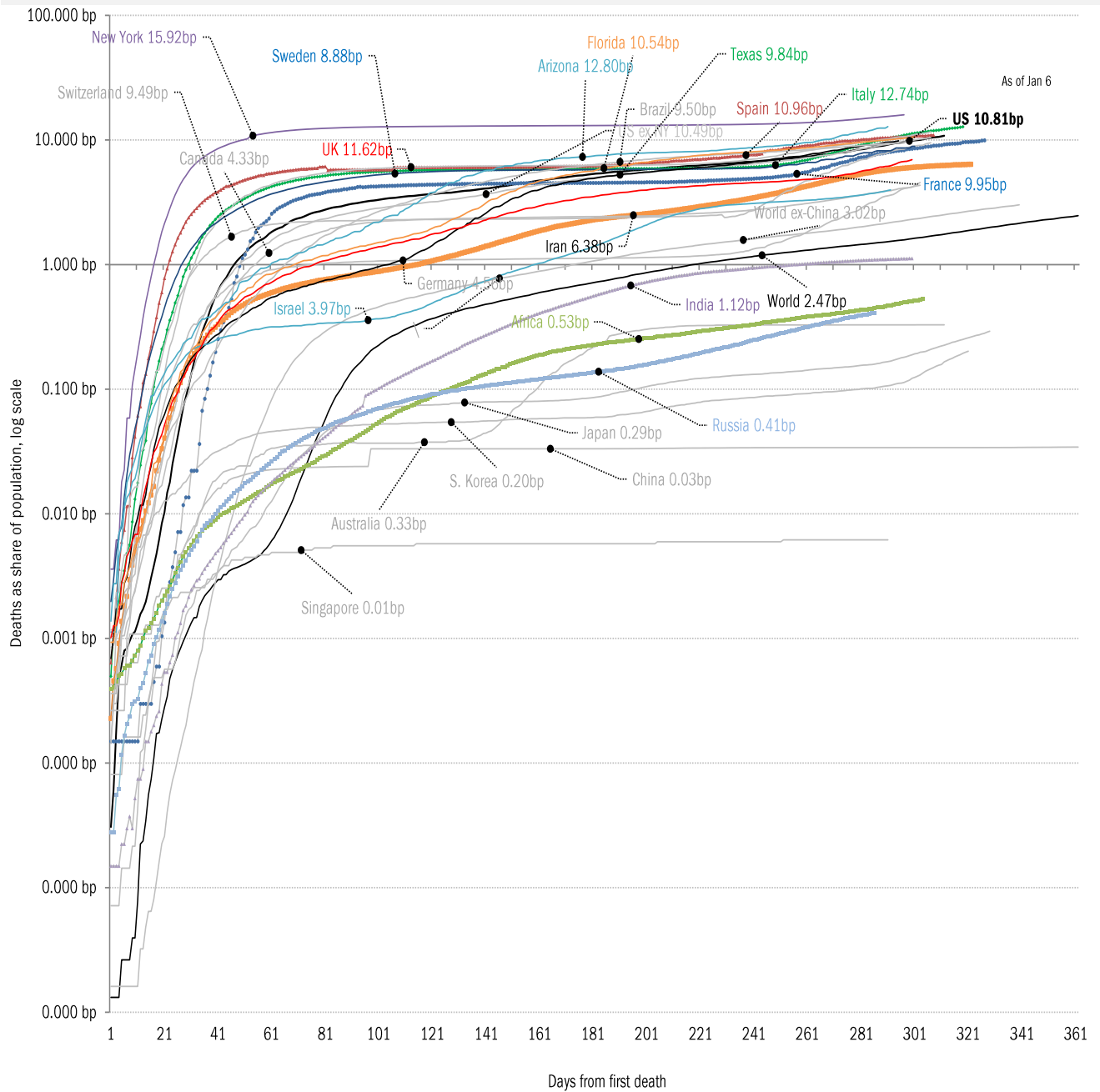
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

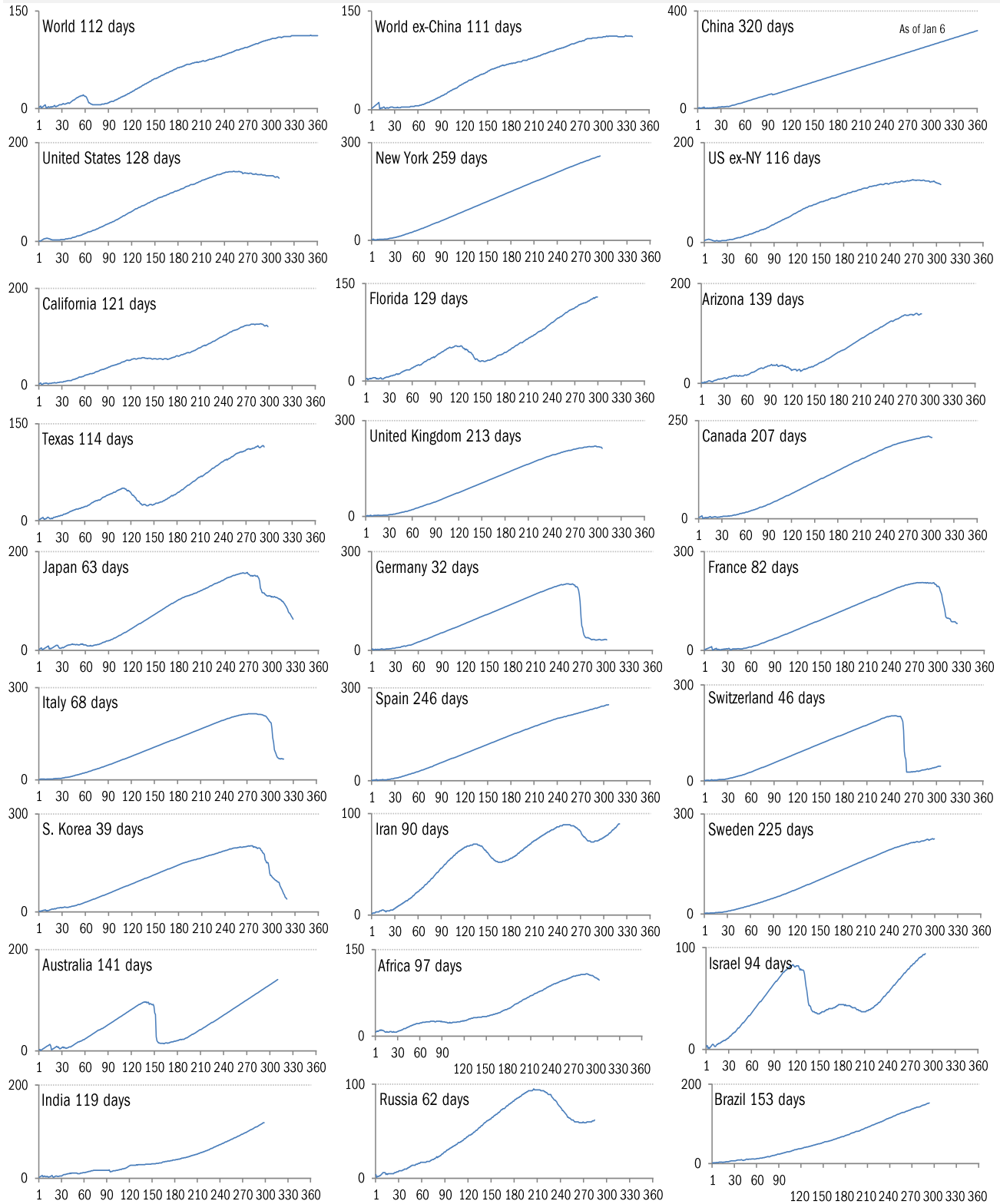


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

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

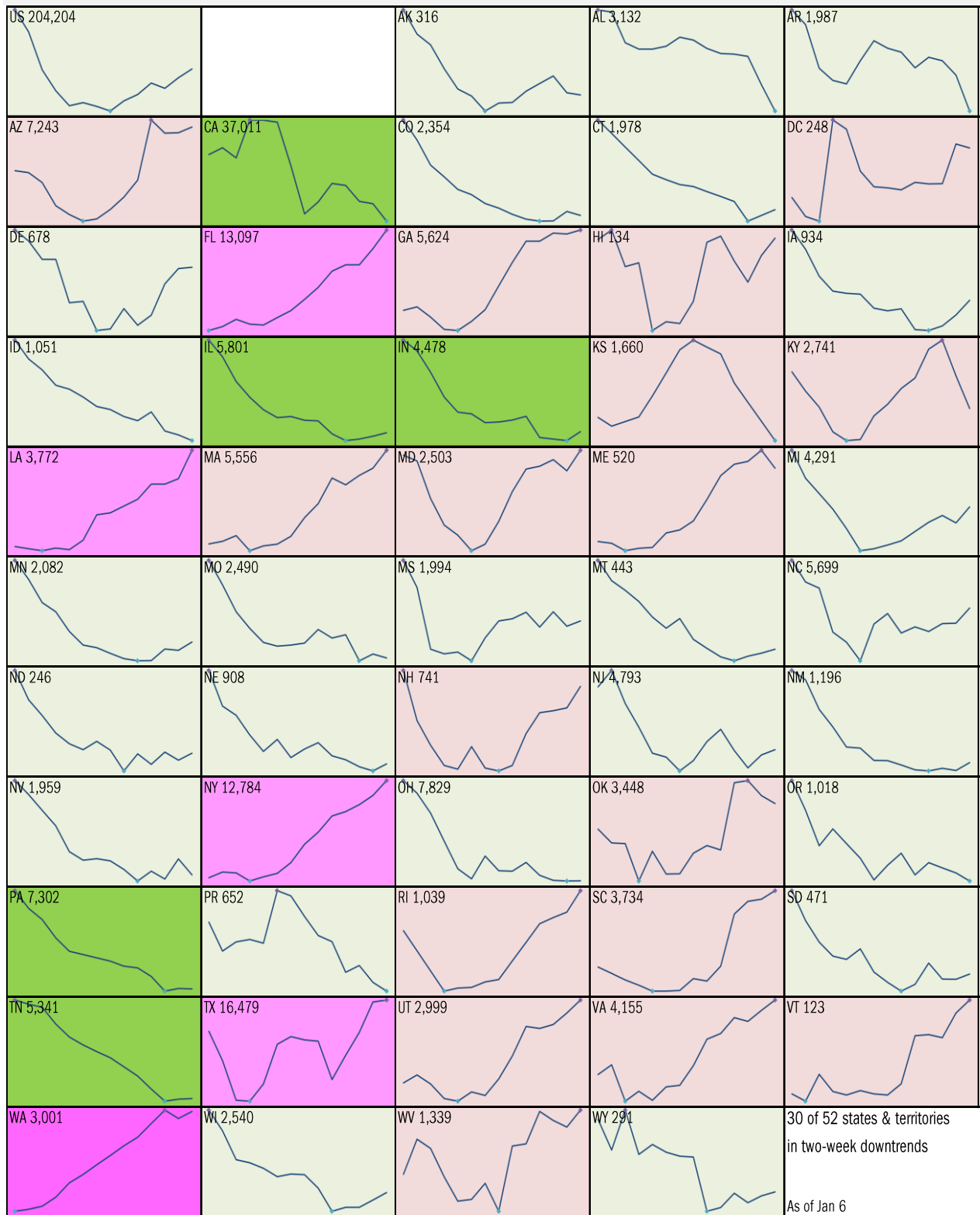
Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



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



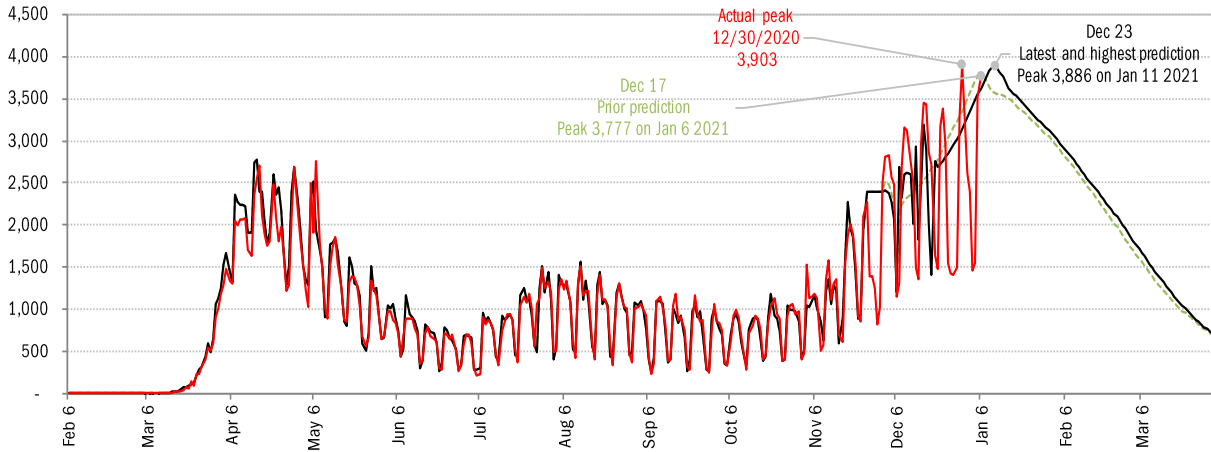
Source: [Covid Tracking Project](#), TrendMacro calculations

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

## New daily fatalities

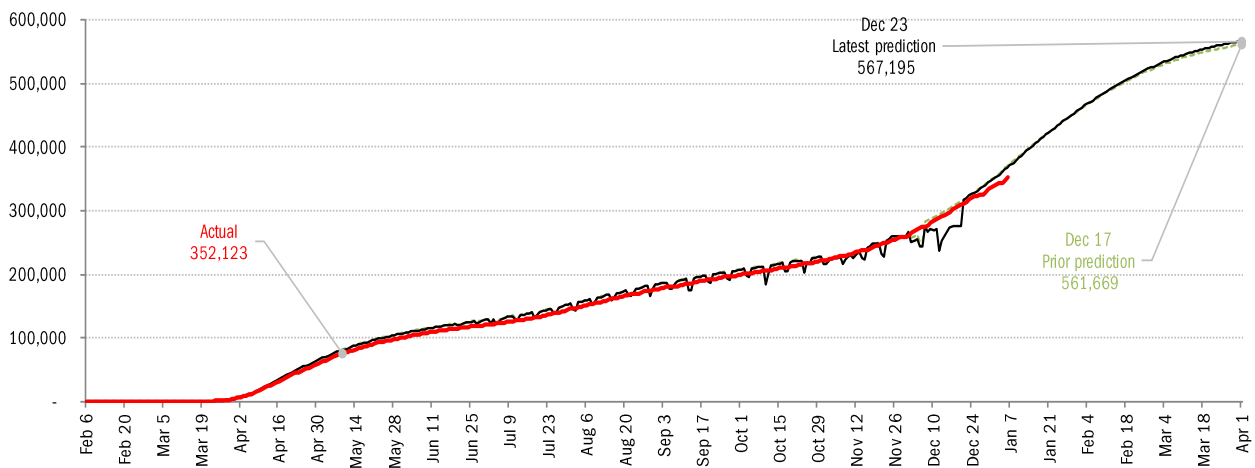
As of Jan 6

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

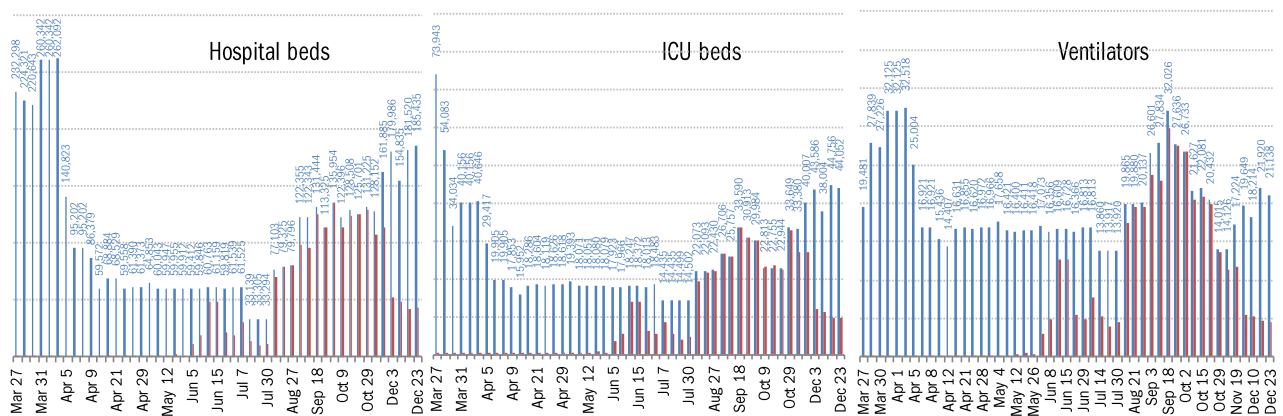


## Cumulative fatalities

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

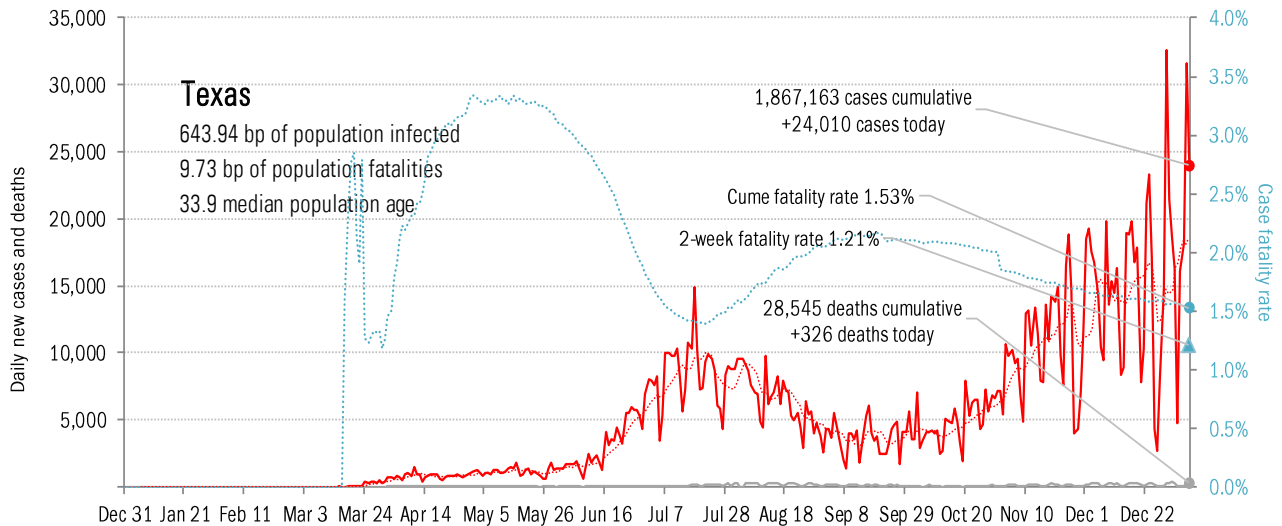
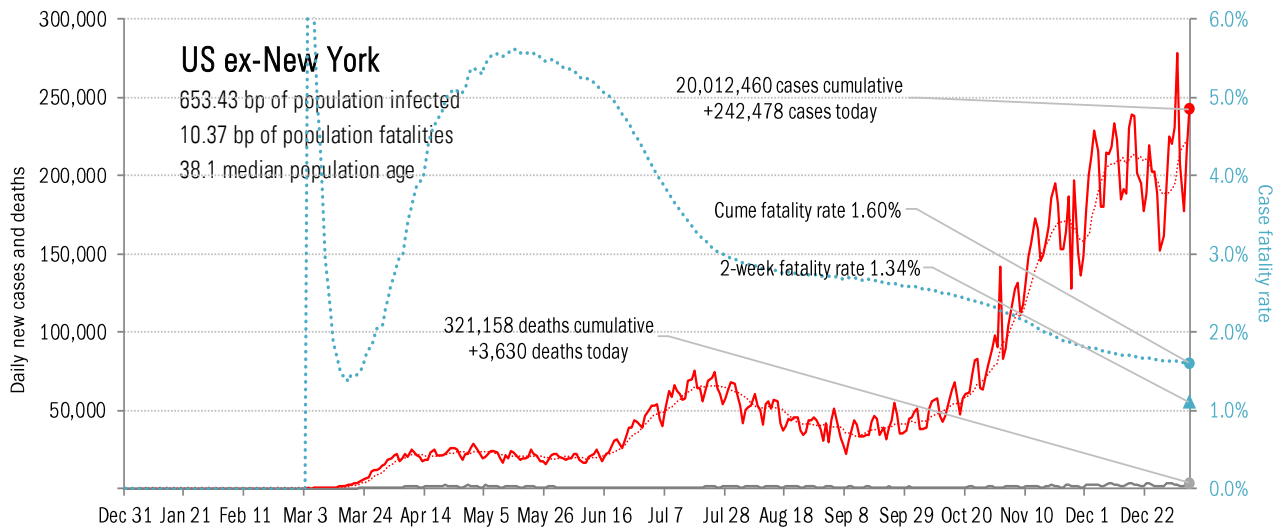
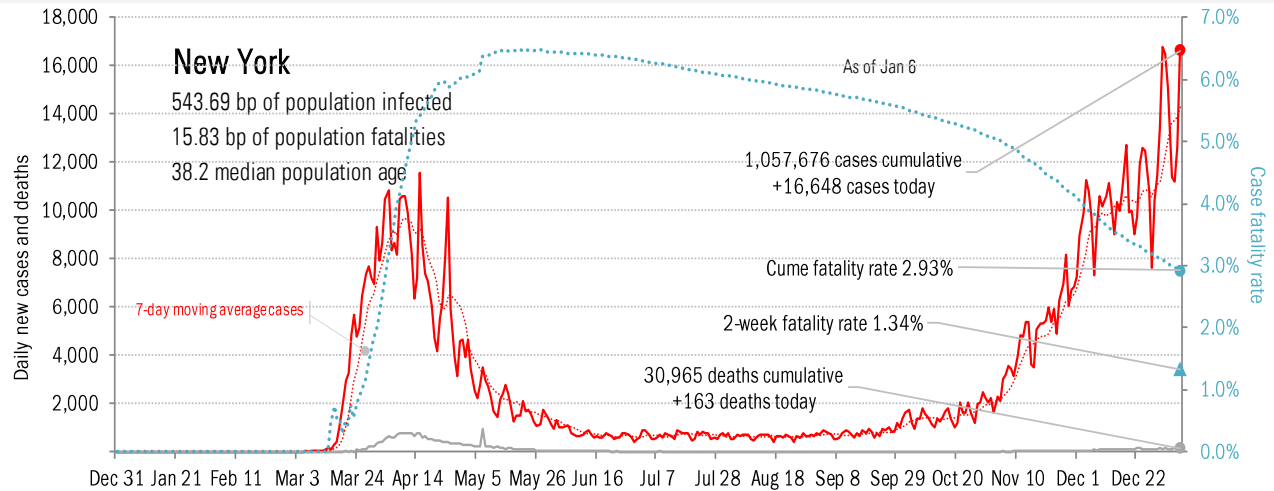


## Healthcare system stress, **peak** and **ultimate** estimated at each model revision



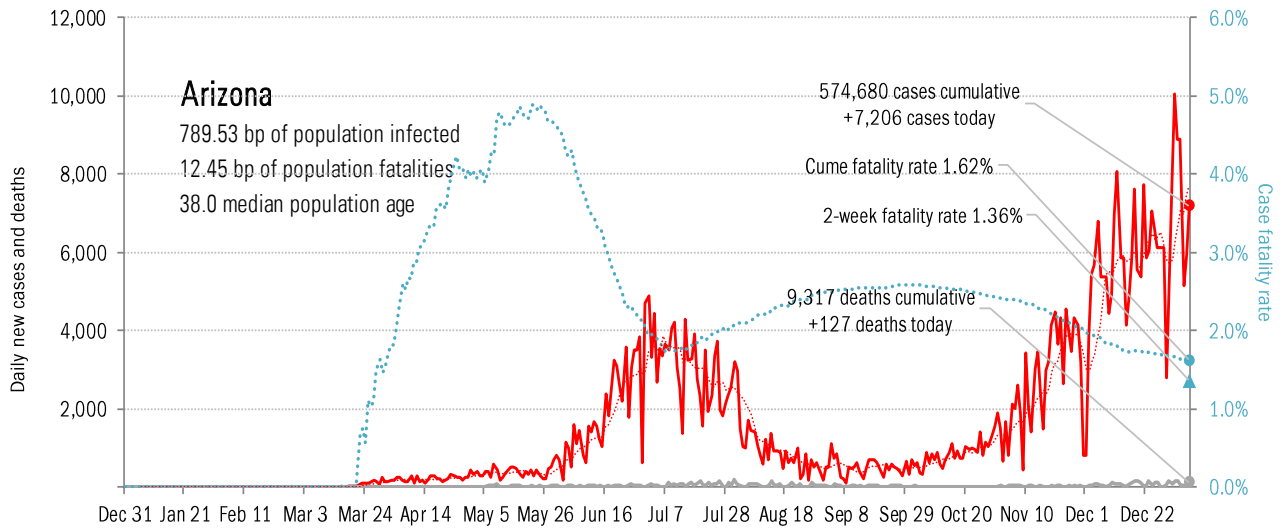
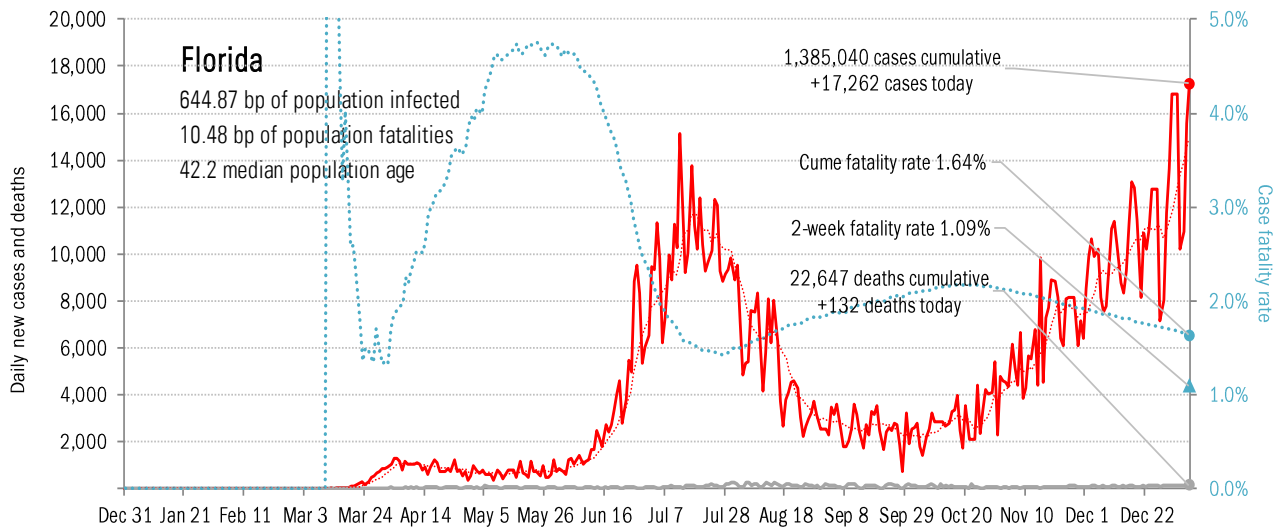
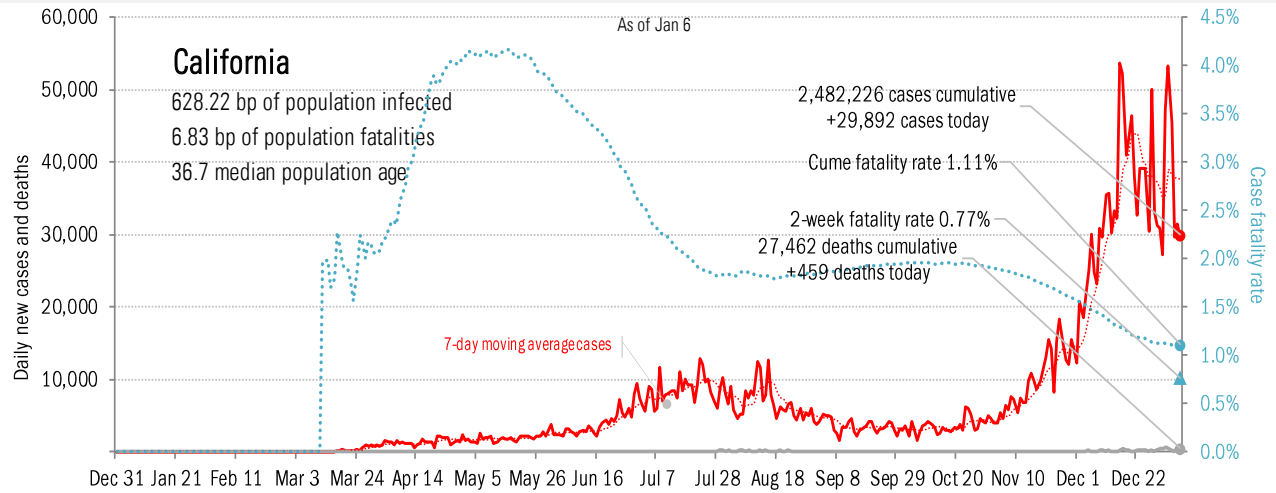
Source: [IHME Covid Tracking Project](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



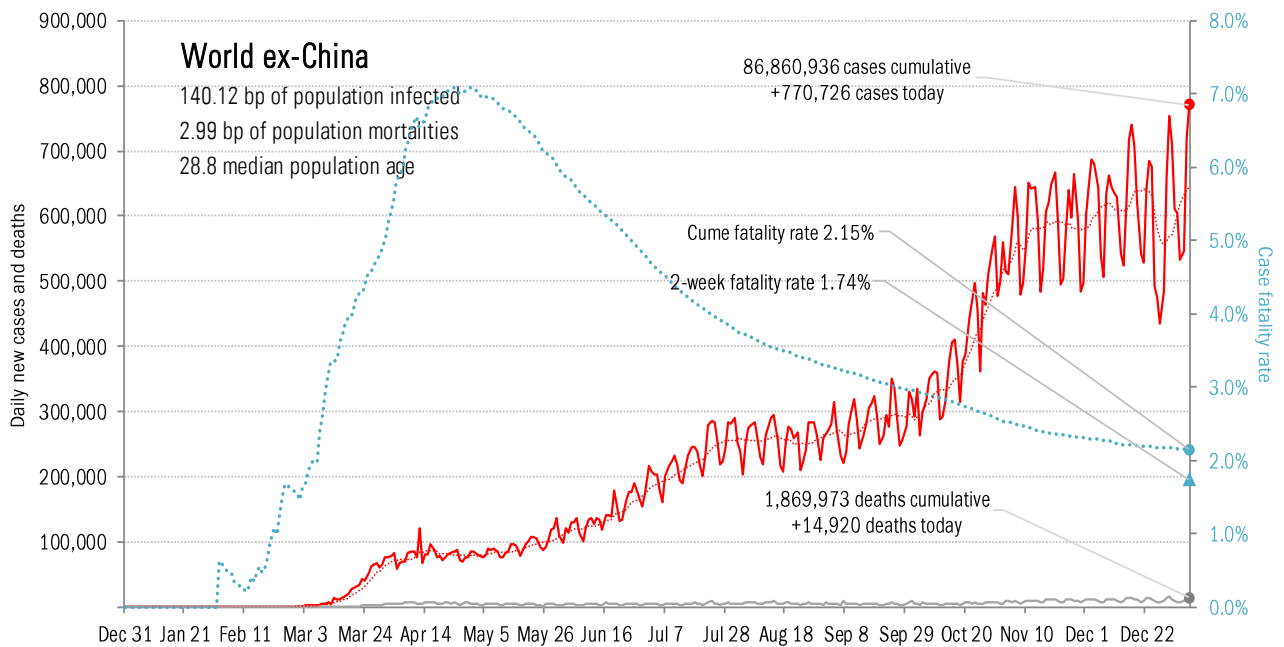
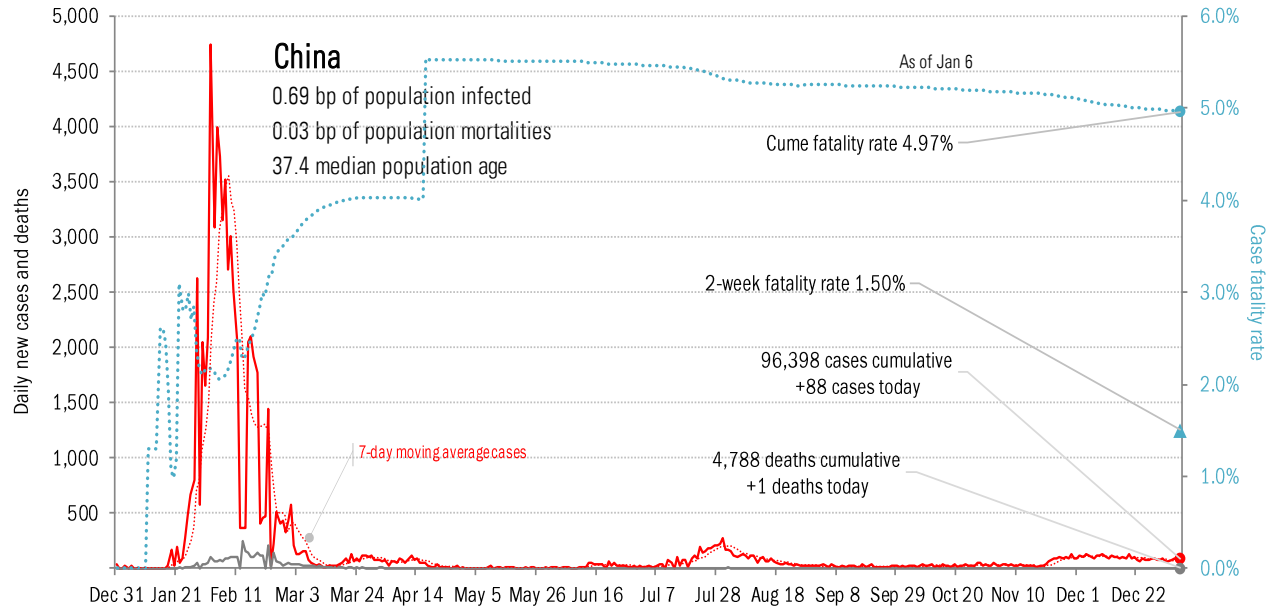
Source: [Covid Tracking Project](#), TrendMacro calculations

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



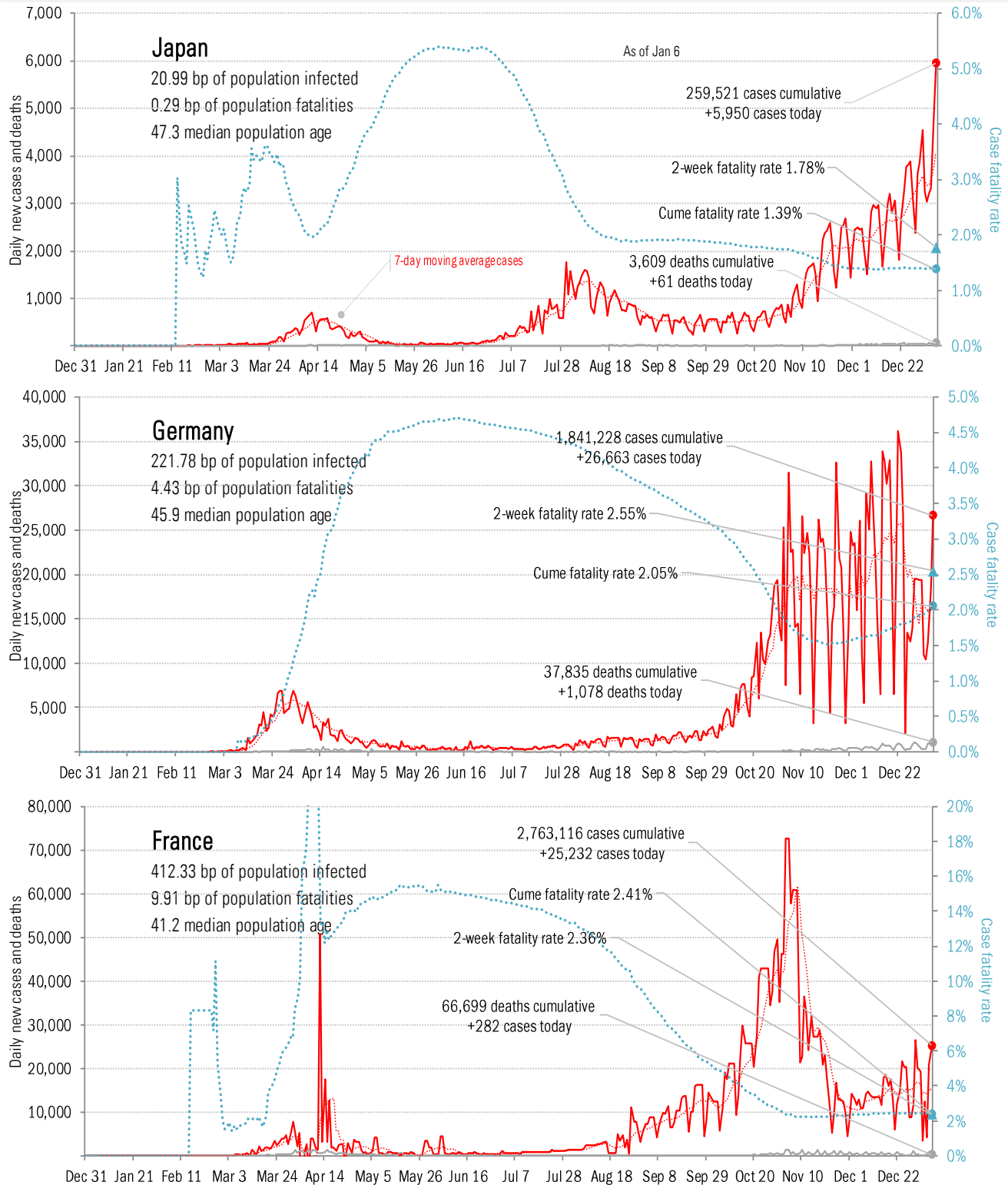
Source: [Covid Tracking Project](#), TrendMacro calculations

# Patient zero... and then everyone else



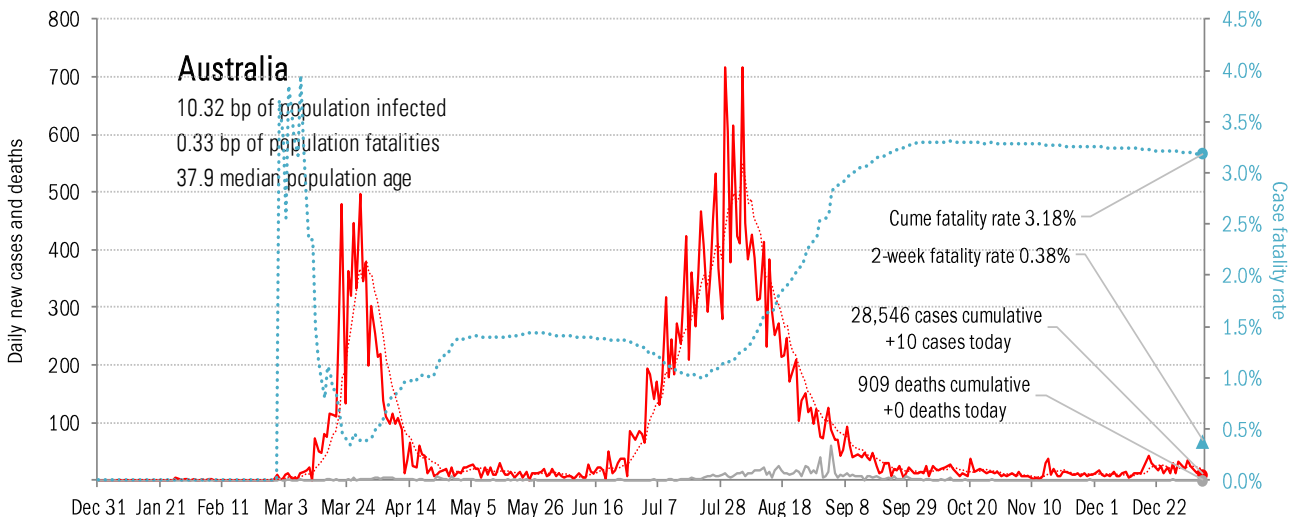
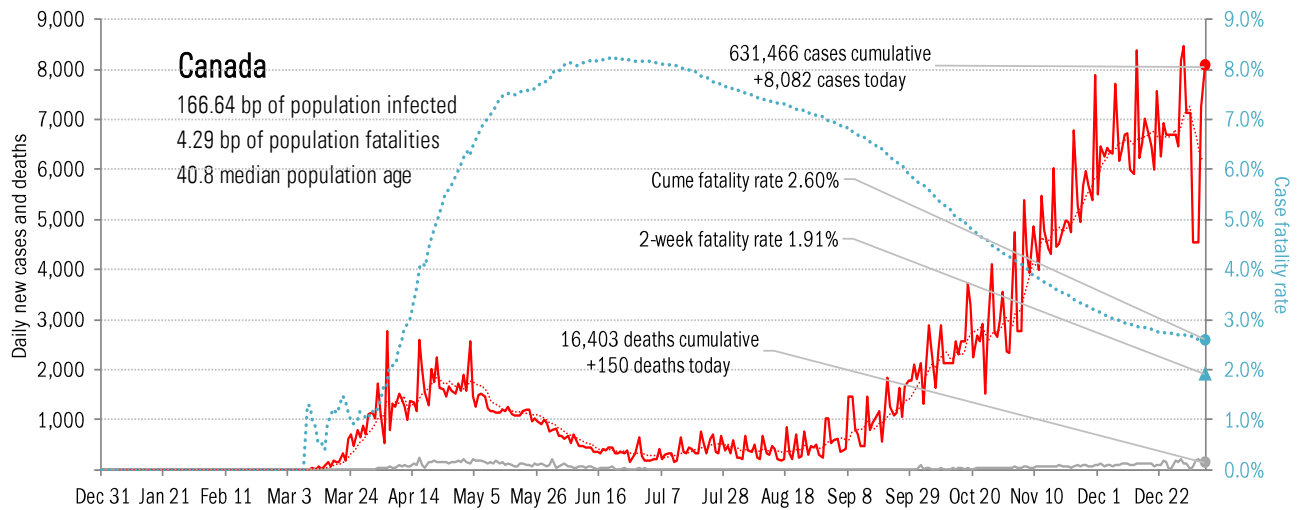
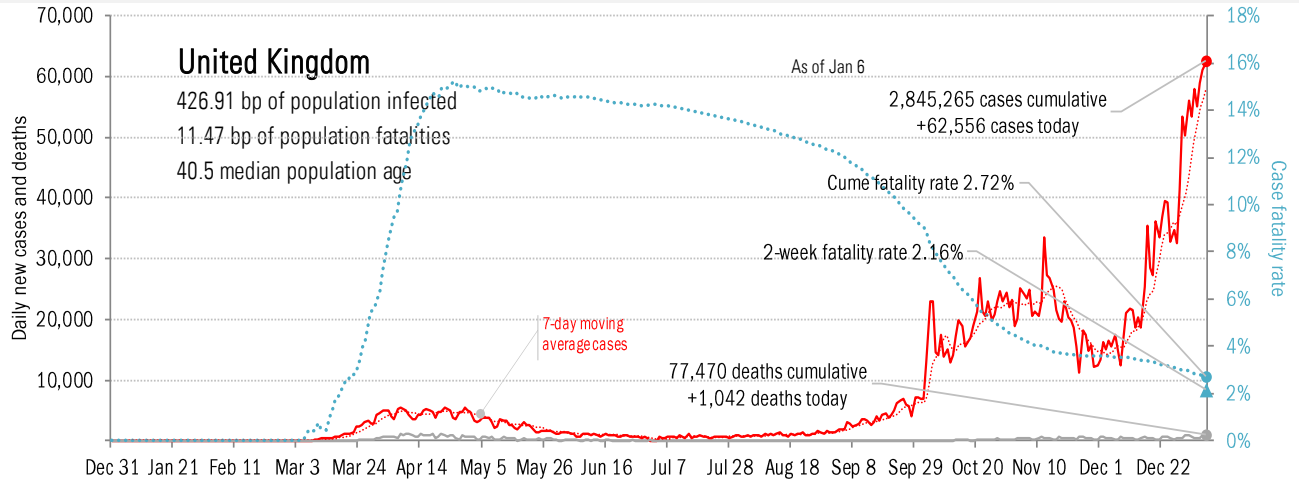
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

# Impact in the largest economies



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

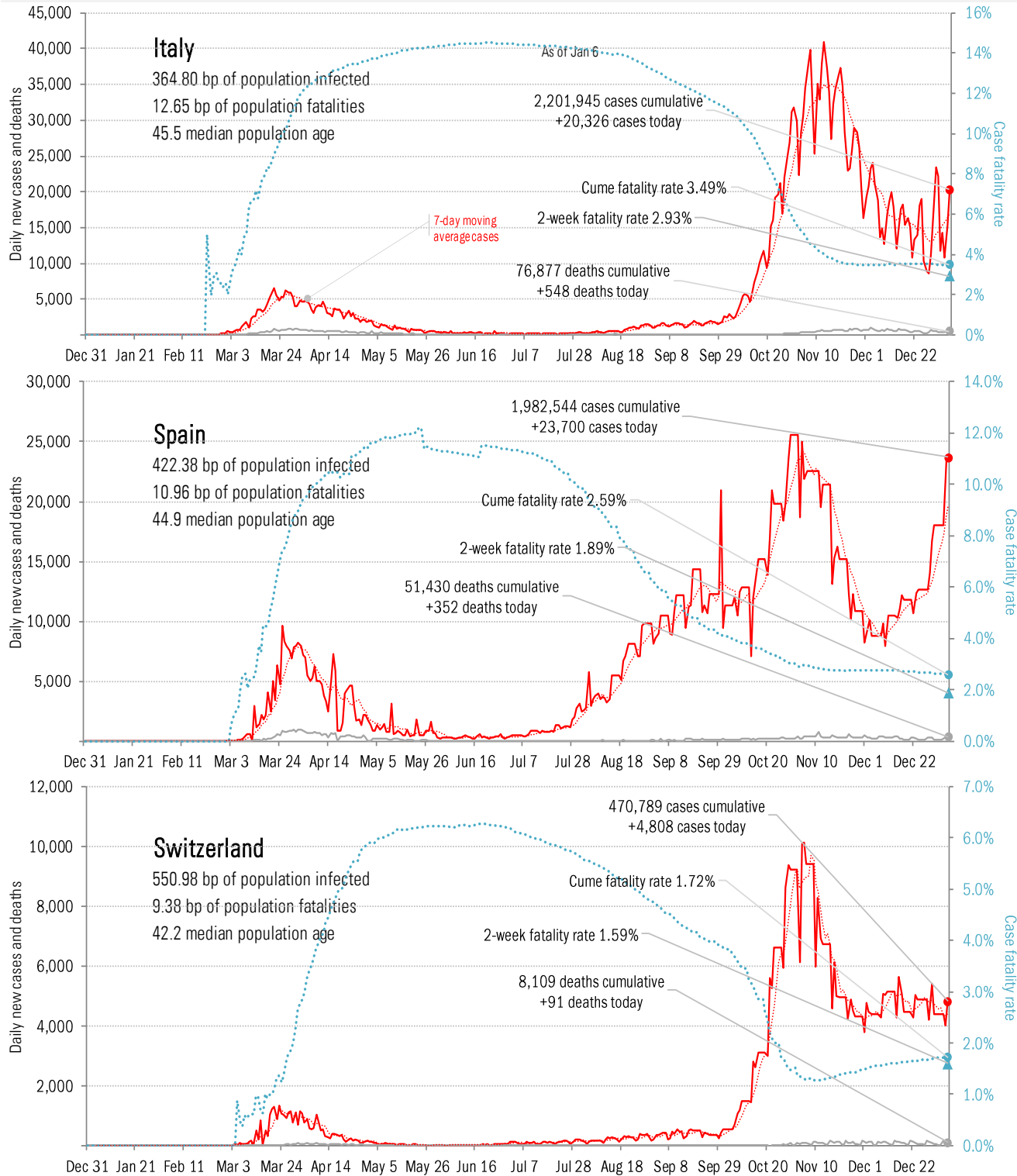
# Impact in The Anglosphere



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

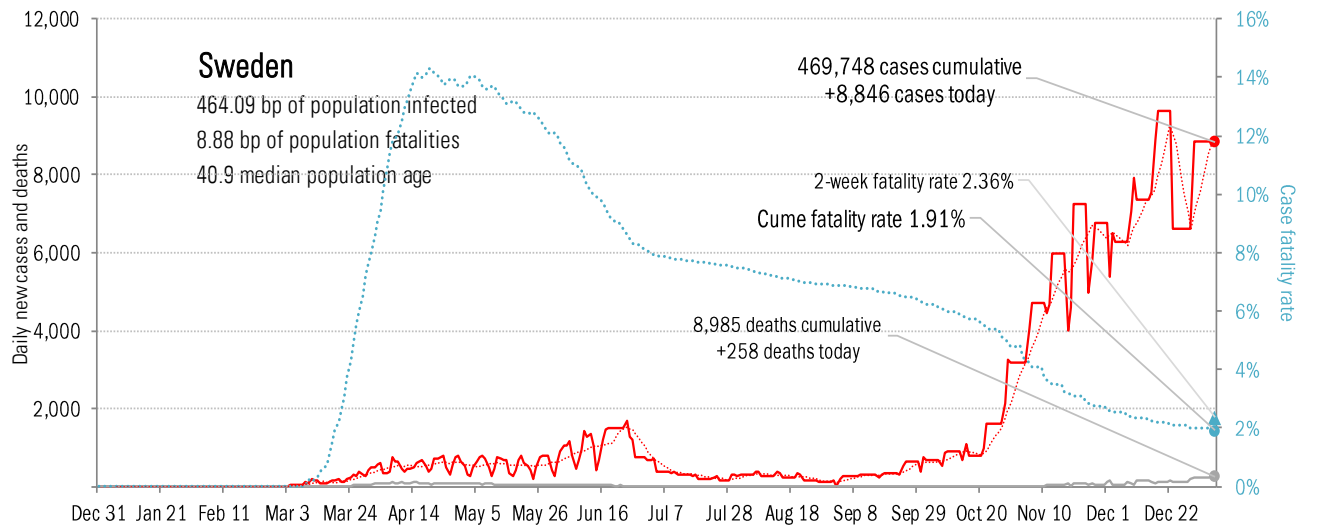
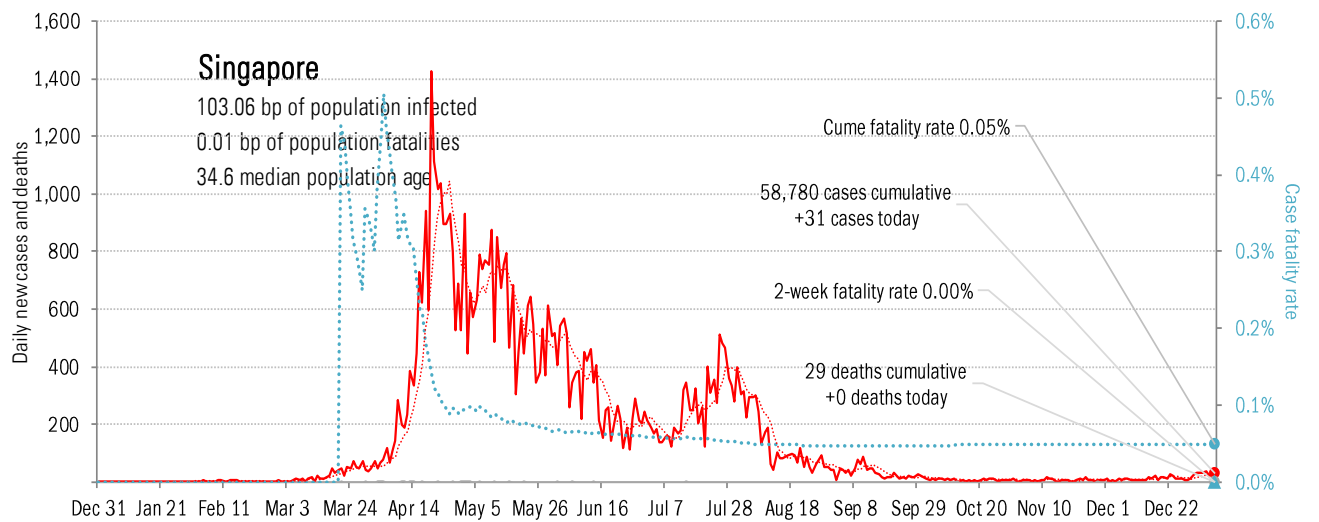
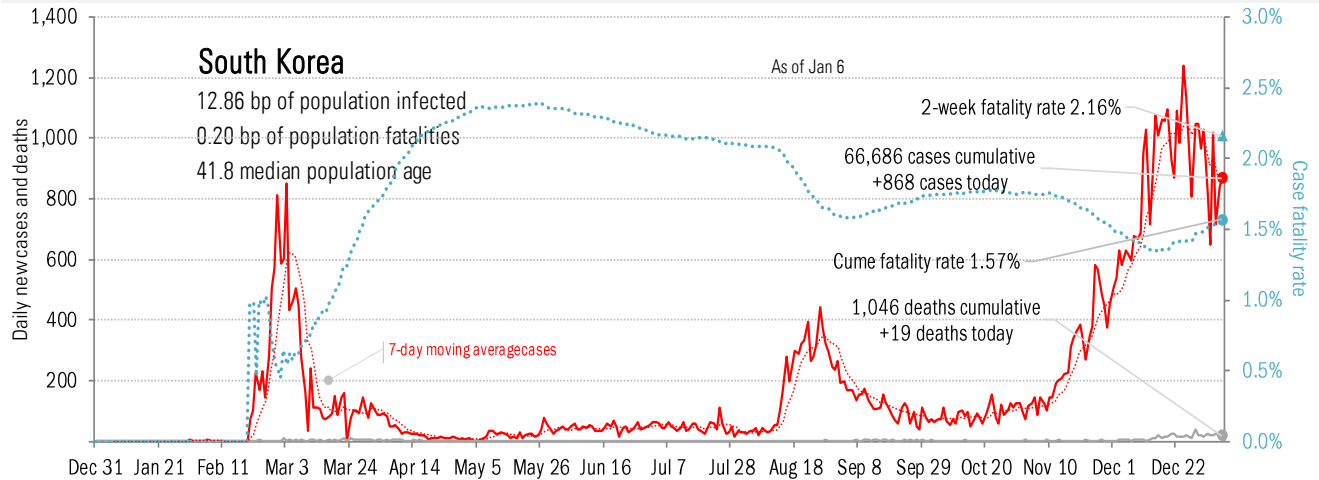


# Impact in continental Europe



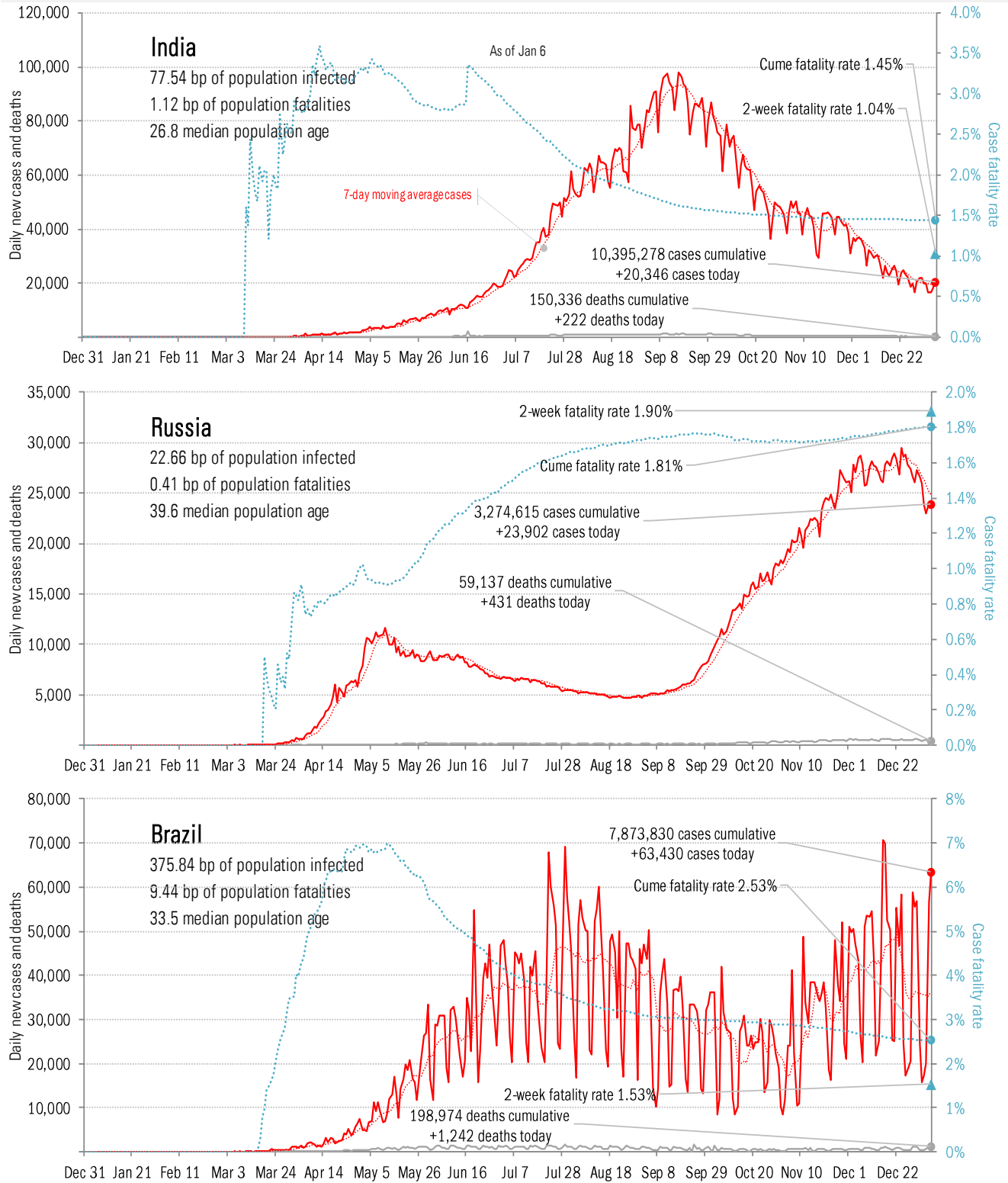
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



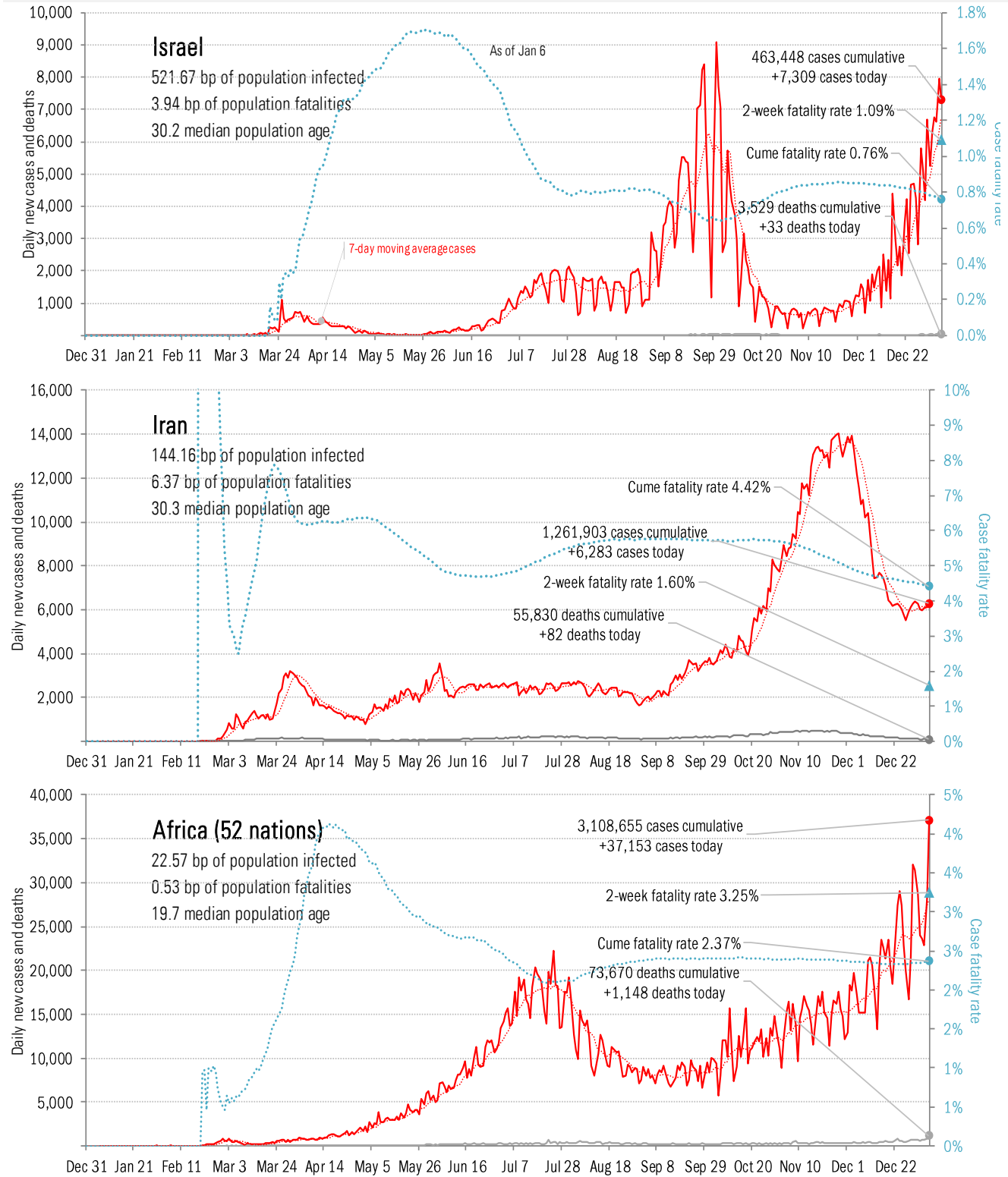
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



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

# Impact in the Middle East and Africa



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