

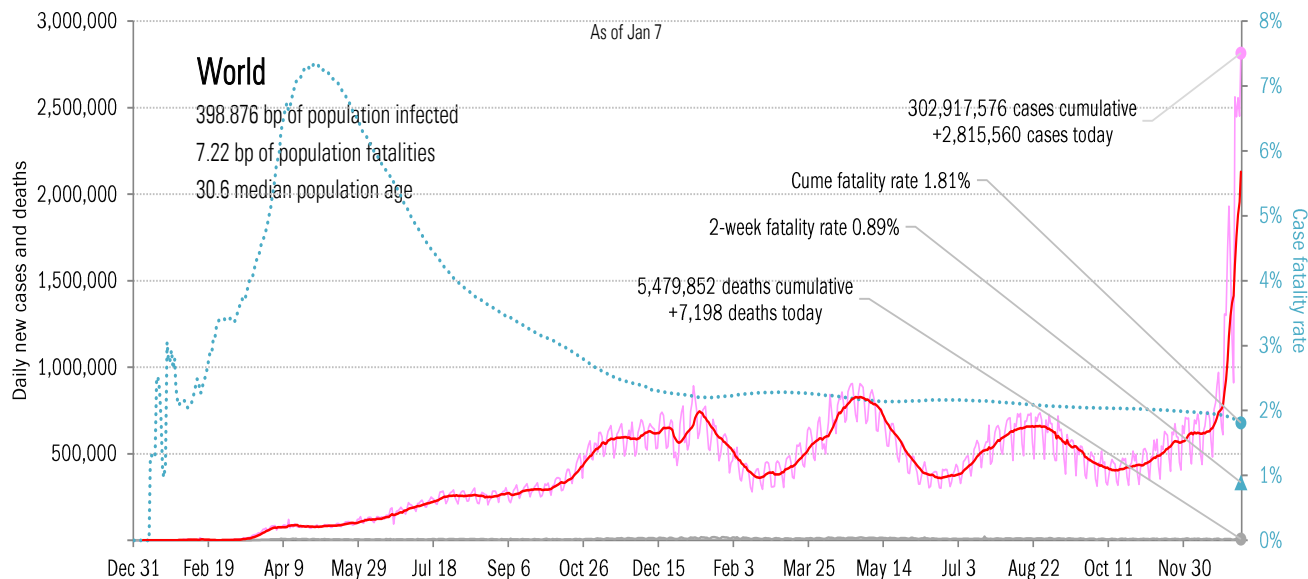
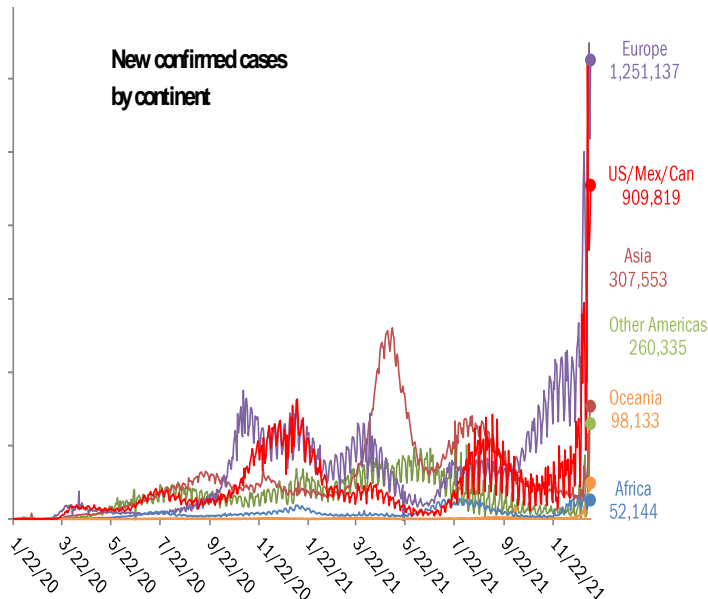
## Data Insights: Covid-2019 Monitor

Saturday, January 8, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	837,271	United States	2,575
France	333,317	Russia	770
Spain	242,440	India	285
United Kingdom	180,066	Germany	269
India	141,986	Vietnam	233
Argentina	110,533	United Kingdom	230
Italy	108,297	Italy	223
Australia	98,092	Ukraine	209
Turkey	63,214	France	200
Germany	52,621	Turkey	157
<b>2,167,837</b>		<b>5,151</b>	
World	2,815,560	World	7,198
Top ten	77%	Top ten	72%



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

### For more information contact us:

Donald Luskin: 214 550 2121 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

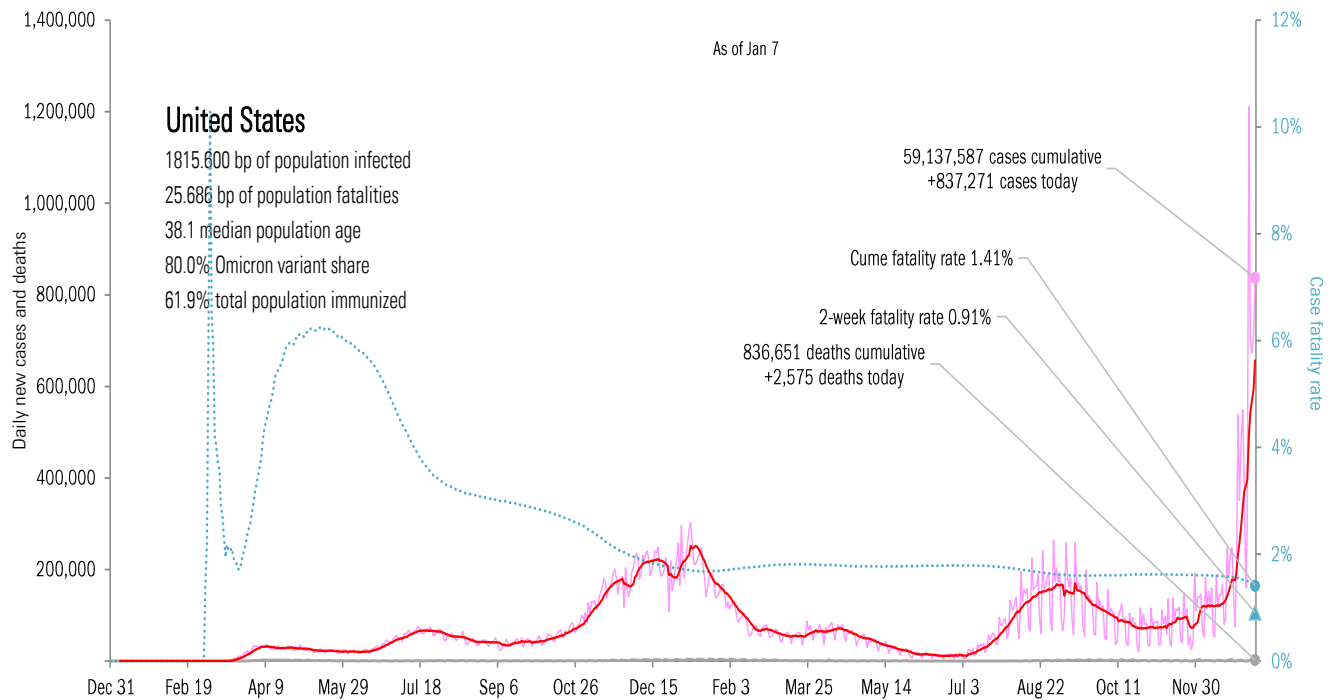
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use		
CA	108,391	CH	398	CA	647	CA	6,003,152	CA	77,026	TX	412,613	MN	87%	TX	94%							
NY	85,079	MI	296	FL	582	TX	4,949,933	TX	76,365	FL	348,238	GA	87%	KY	93%							
FL	56,652	CA	234	TX	429	FL	4,355,547	FL	62,736	CA	344,907	MD	87%	AL	90%							
TX	52,571	NY	190	GA	266	NY	3,975,745	NY	60,356	NY	204,191	RI	86%	NM	90%							
MI	46,920	IN	166	NY	240	IL	2,382,437	PA	37,522	GA	175,771	PA	86%	IN	90%							
IL	42,903	PA	156	NJ	158	PA	2,206,899	GA	31,521	CH	161,856	MA	86%	MO	89%							
NJ	38,461	TX	105	LA	157	CH	2,151,829	IL	30,794	PA	148,970	WV	85%	RI	89%							
MA	29,163	IL	101	VA	152	GA	1,928,942	CH	30,072	IL	132,145	NH	85%	NV	89%							
NC	28,474	CT	96	NC	149	MI	1,855,658	MI	29,955	KY	122,424	WA	85%	GA	88%							
PA	27,587	TN	69	CO	111	NC	1,816,380	NJ	29,374	MI	121,243	MO	84%	CK	88%							
516,201			1,811			2,891			31,626,522			465,721			2,172,358							
All states	837,271					All states	59,137,587					All states	70%					All states	70%			67%
Top ten	62%					Top ten	53%					Top ten	78%					Median	78%			82%

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
IA	-4,268	FL	-142	NY	-526	UT	+30 bp
SC	-3,825	PA	-99	TX	-319	MP	+20 bp
FR	-1,761	NJ	-47	PA	-260	AL	+10 bp
PA	-1,439	WA	-35	CH	-238	AR	+10 bp
NH	-1,259	NE	-32	NJ	-205	CA	+10 bp

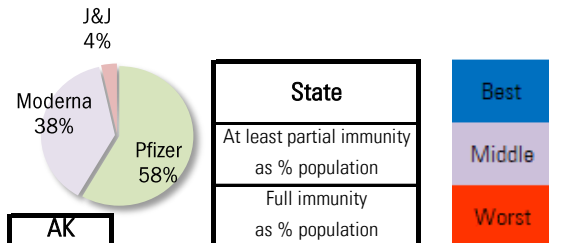


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

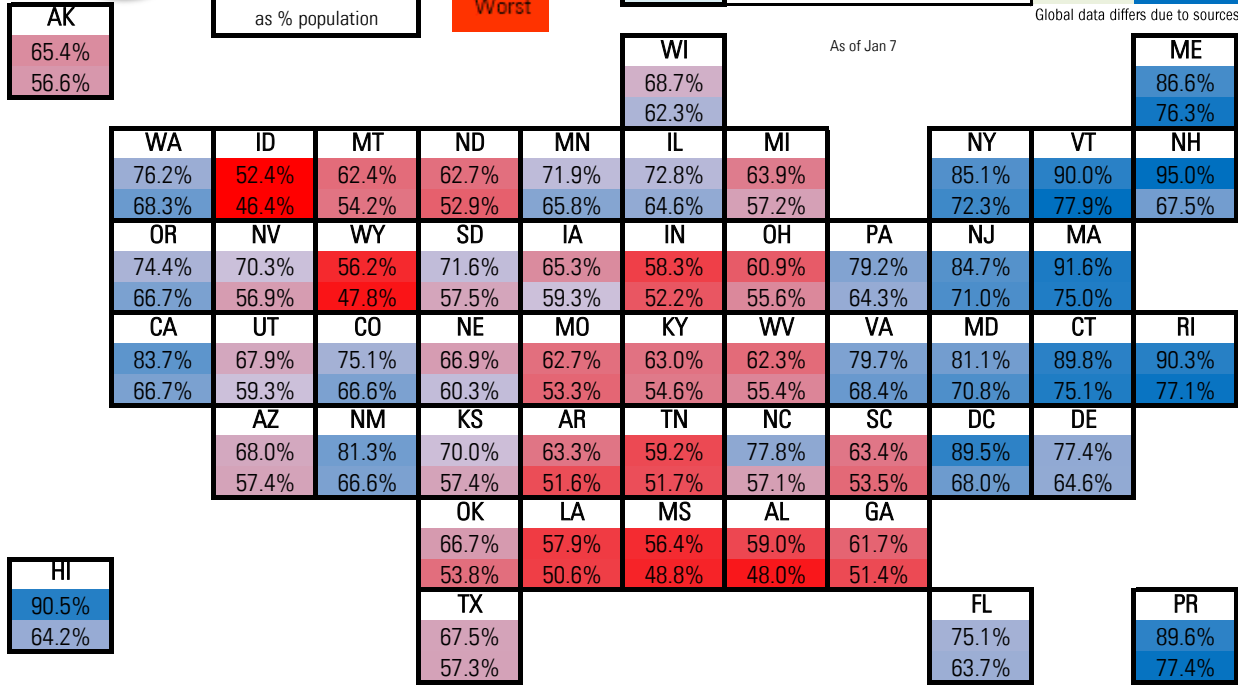
Administered	Cumulative	Today	Immunity	Full	Partial
Doses	529,941,078	+1.454 million	US	61.9%	74.1%
Boosters	74,890,874	+0.832 million	UK	69.8%	76.1%
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>
Total population	252,056,598	75%	212,377,779	64%	+0.216 million
Age 12 to 17	15,348,055	64%	12,875,184	54%	+0.017 million
Age 18 to 64	170,443,656	84%	144,202,817	71%	+0.103 million
Age 65 and over	57,932,167	100%	49,731,952	91%	+0.014 million

France	74.1%	78.7%
Spain	81.4%	85.5%
Germany	71.0%	73.8%
Italy	74.4%	80.7%
Australia	77.1%	79.6%
Israel	64.2%	71.2%
Canada	77.5%	83.7%
Japan	78.9%	80.3%
Africa	9.6%	14.7%
India	44.9%	63.1%
Brazil	67.2%	77.8%
China	84.0%	87.2%

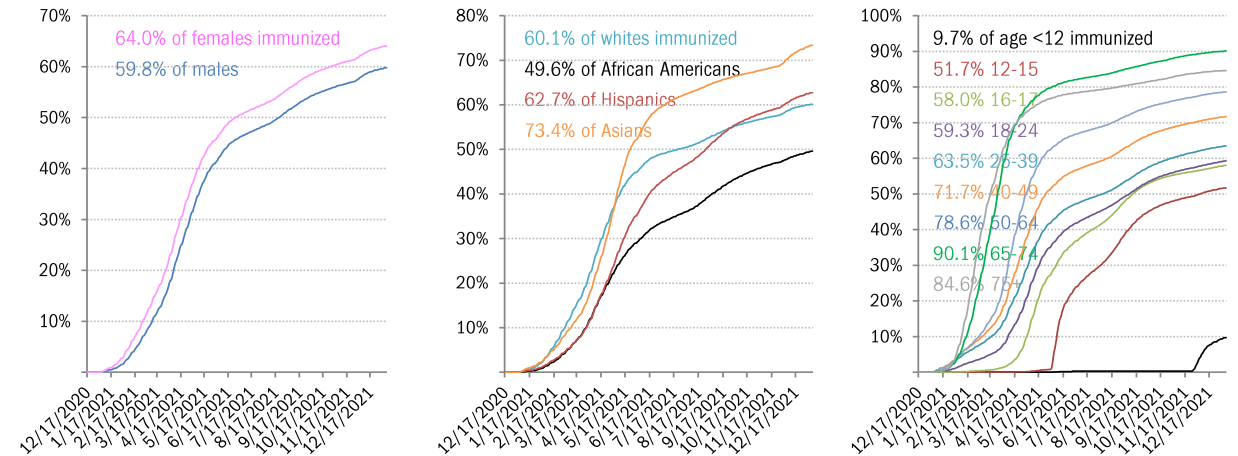


Every American >18 immunized in **390 days** by Feb 1, 2023  
 75.1% of population >18 immunized  
 20.8% previously tested positive  
**95.9%** vs 60% adult herd immunity

Global data differs due to sources, timing



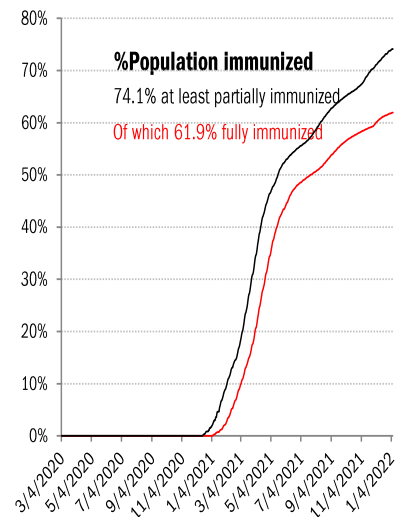
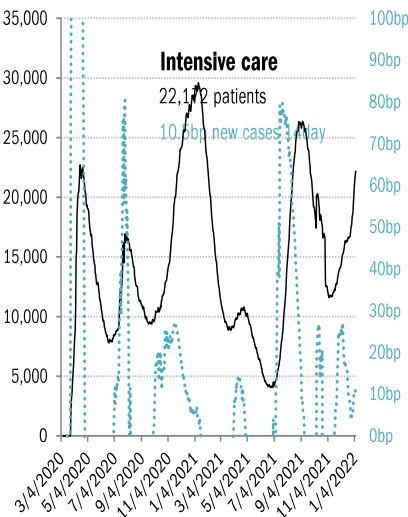
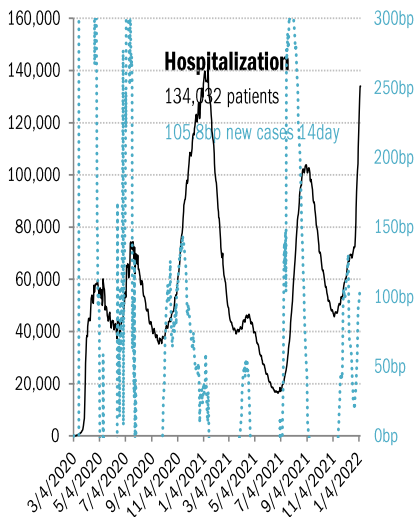
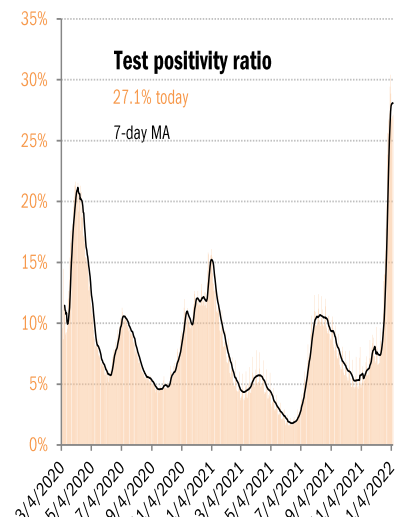
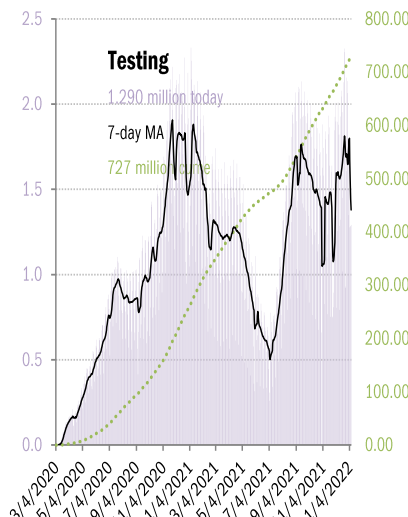
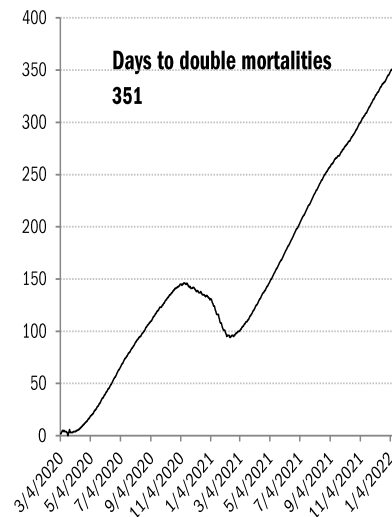
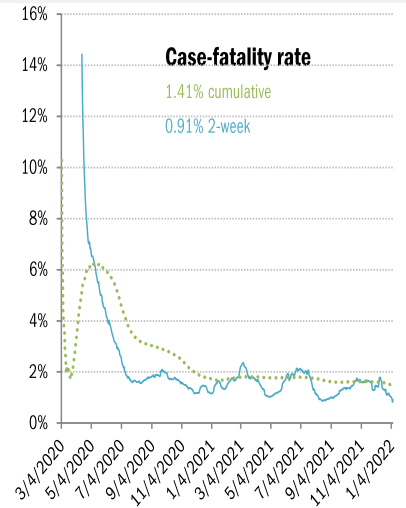
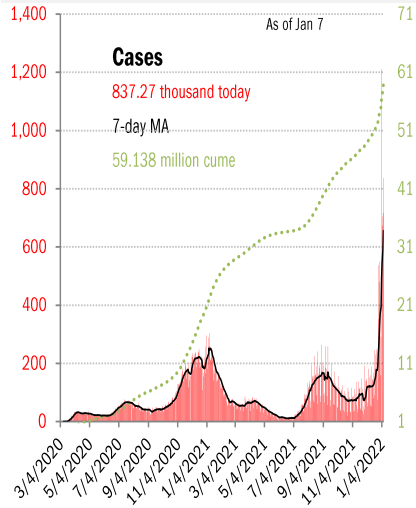
## The demographics of US vaccination



Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

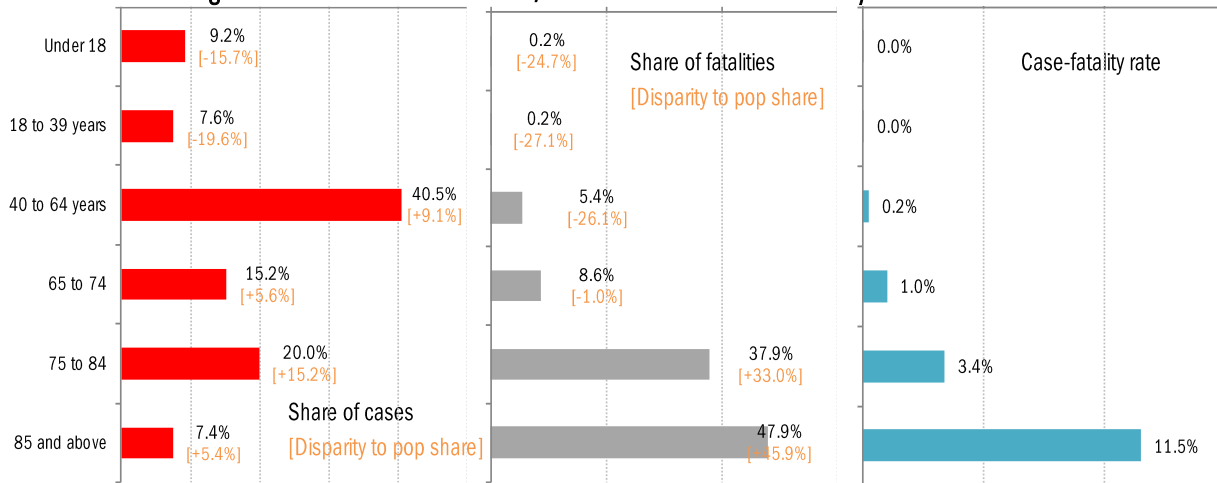
# US deep-dive

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

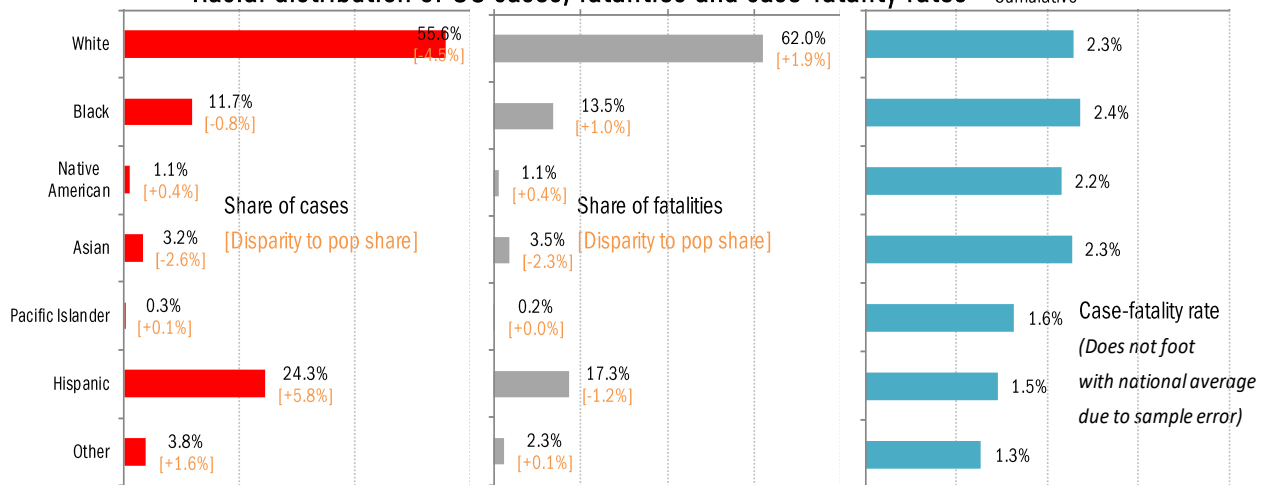


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

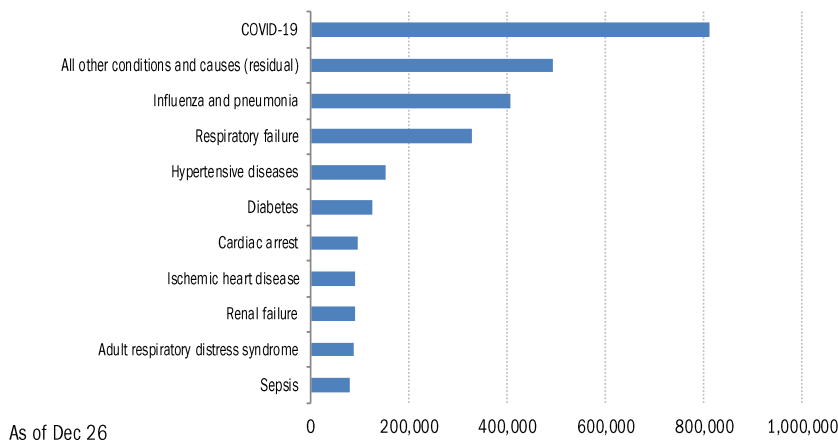


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



For over 5% of these deaths, COVID-19 was the only cause mentioned on the death certificate. For deaths with conditions or causes in addition to COVID-19, on average, there were 4.0 additional conditions or causes per death.

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

## Recommended reading

[Mom allegedly stuffed son in trunk because he had COVID, needed to be quarantined](#)

Patrick Reilly  
*New York Post*  
January 8, 2022

[Walensky defends the C.D.C.'s isolation guidance in a rare media briefing for the agency.](#)

Sheryl Gay Stolberg  
*New York Times*  
January 7, 2022

[Bhakdi/Burkhardt pathology results show 93% of people who died after being vaccinated were killed by the vaccine](#)

Steve Kirsch  
*Steve Kirsch's Newsletter*  
December 28, 2021

[Conservative Majority on Supreme Court Appears Skeptical of Biden's Virus Plan](#)

Adam Liptak  
*New York Times*  
January 7, 2022

[The Vaccine Mandate 'Work-Around' May Run Aground](#)

*Wall Street Journal*  
January 7, 2022

[Instead of FDA's requested 500 pages per month, court orders FDA to produce Pfizer Covid-19 data at rate of 55,000 pages per month!](#)

Aaron Siri  
*Injecting Freedom*  
January 6, 2022

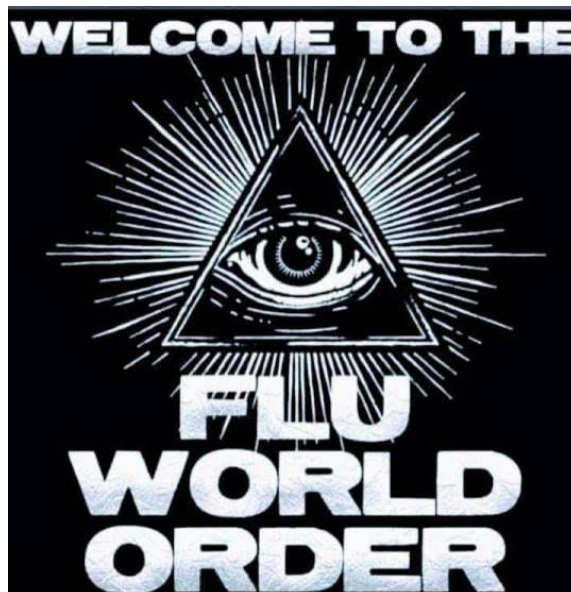
[New York's Race-Based Preferential Covid Treatments](#)

John B. Judis and Ruy Teixeira  
*Wall Street Journal*  
January 7, 2022

[Italy requiring everyone over 50 to get a COVID vaccine](#)

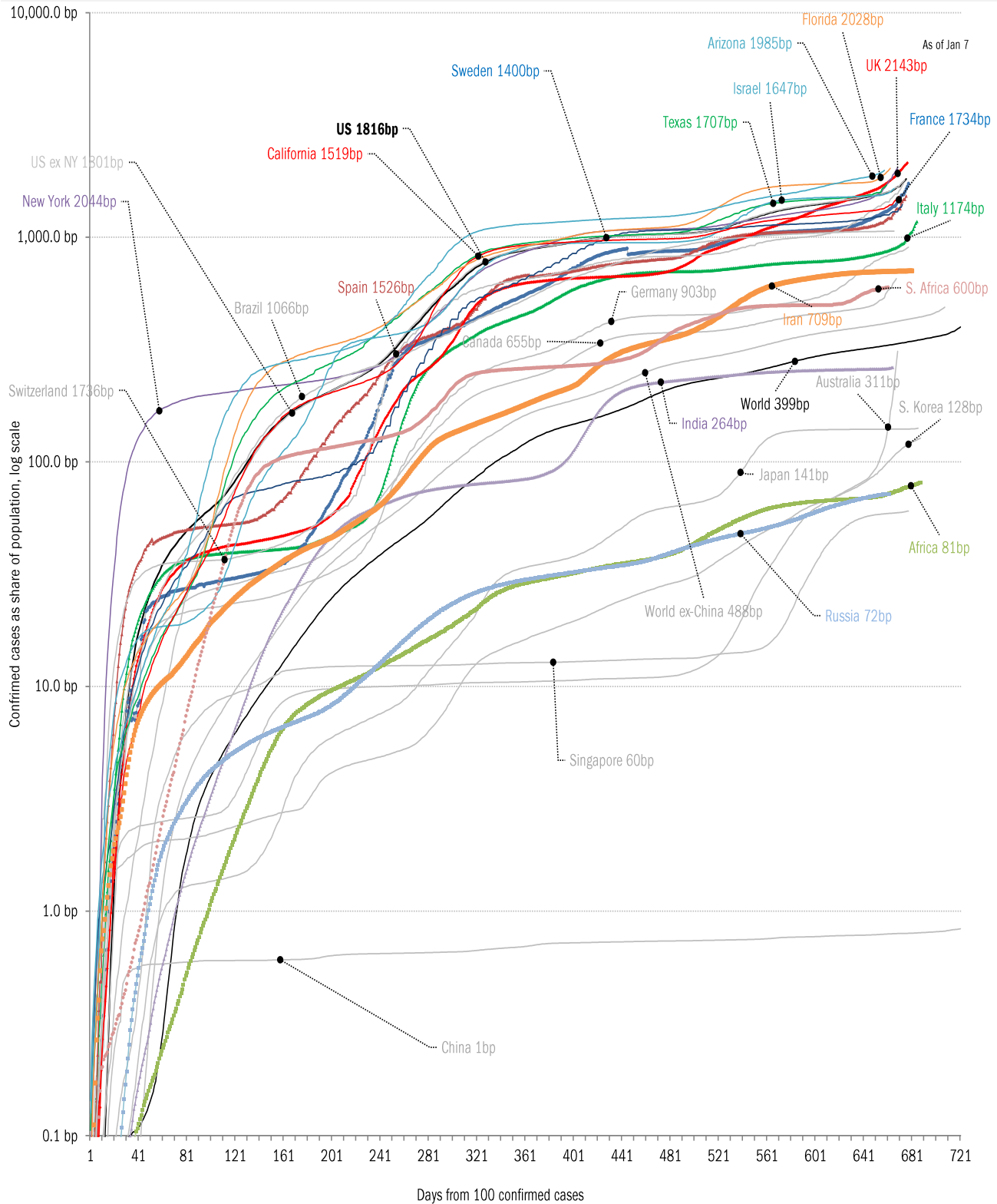
*AP*  
January 6, 2022

## Meme of the day



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

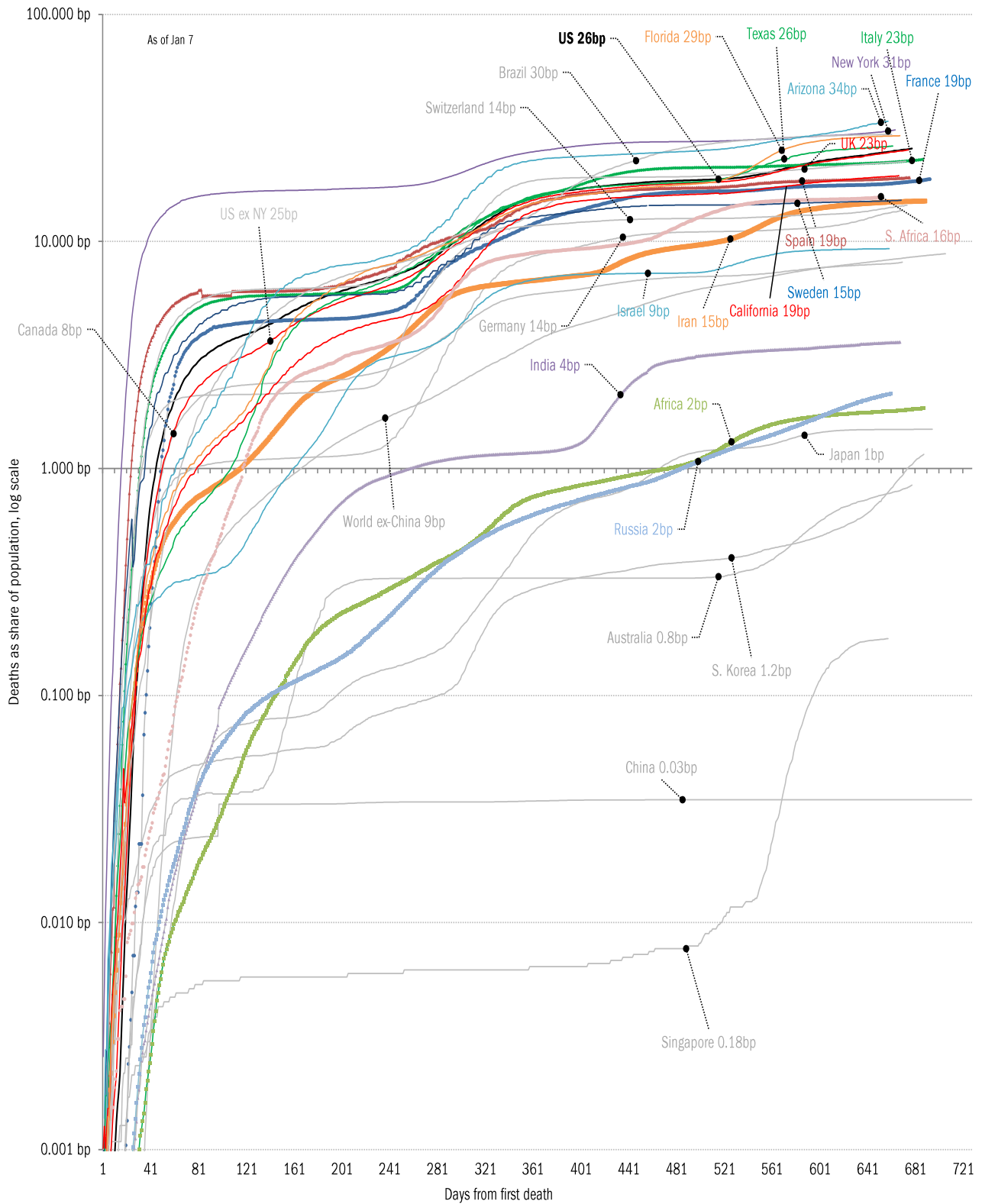
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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



The coronavirus mortality accelerometer ... tracking the world's fatality curves  
*Share of deceased population from day of first fatality, log scale*



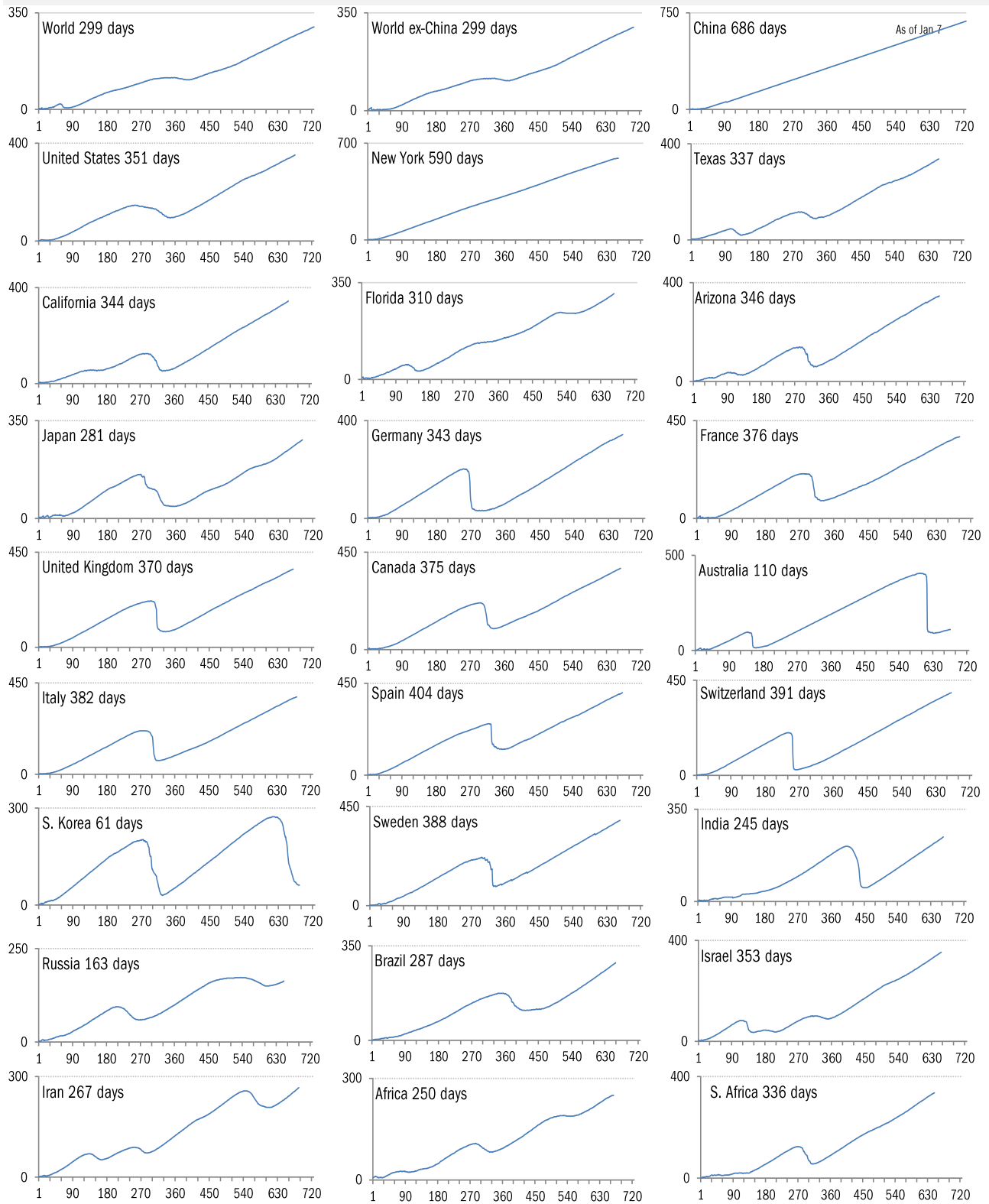
Source: [Johns Hopkins](#), TrendMacro calculations



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

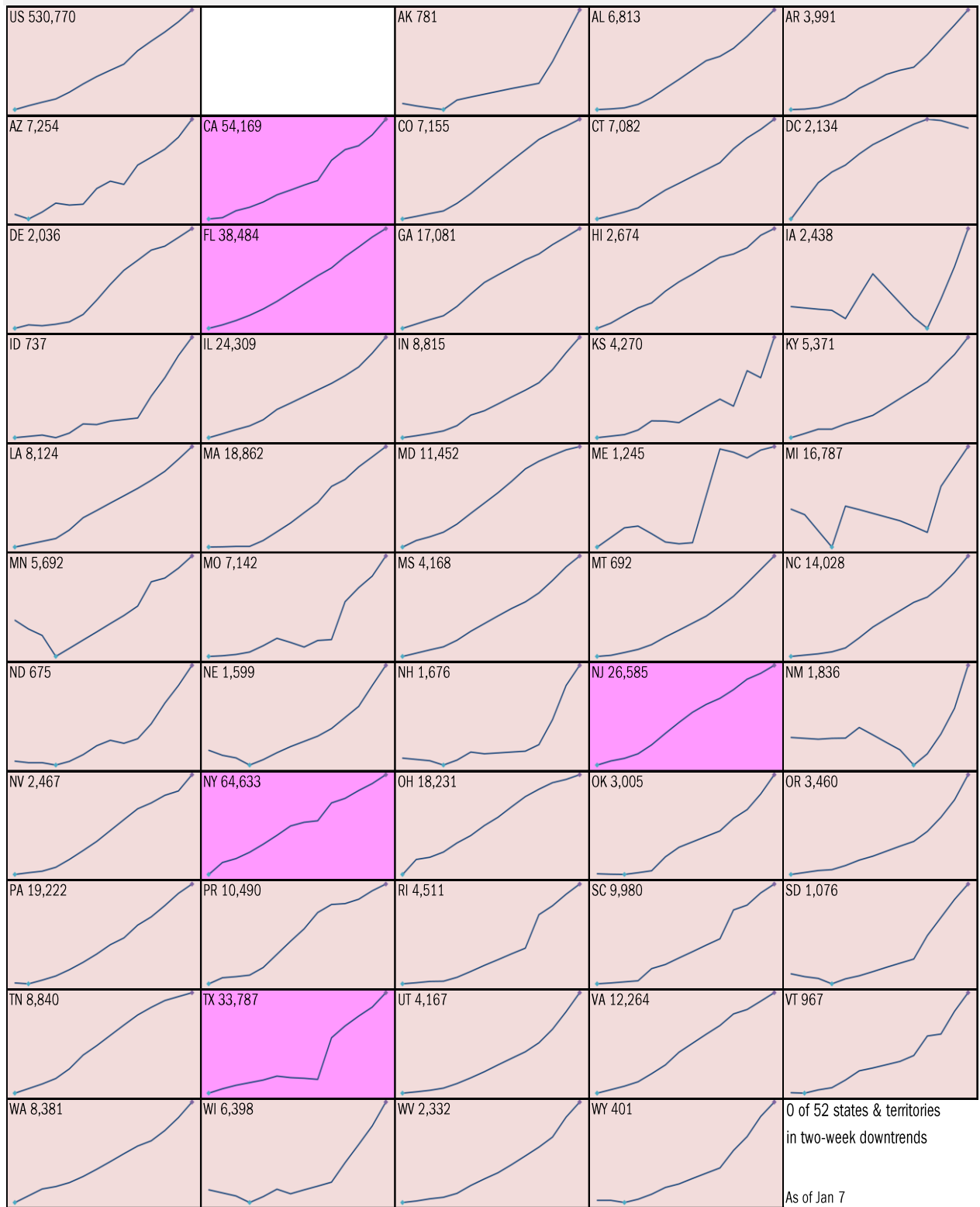
Vertical: days to double deaths Horizontal: days from first death

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



Source: [Johns Hopkins](#), 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

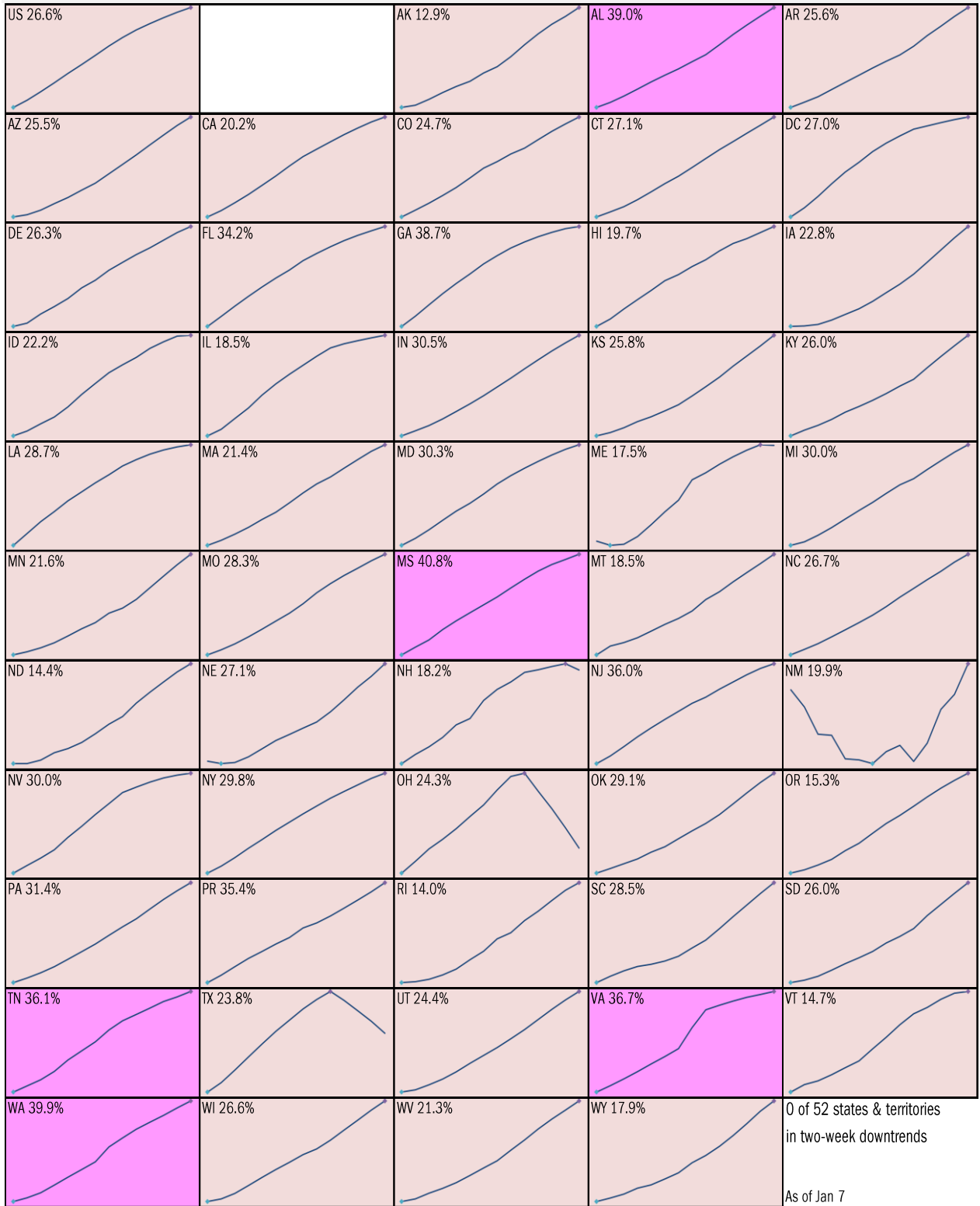


Source: [Johns Hopkins](#), TrendMacro calculations

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

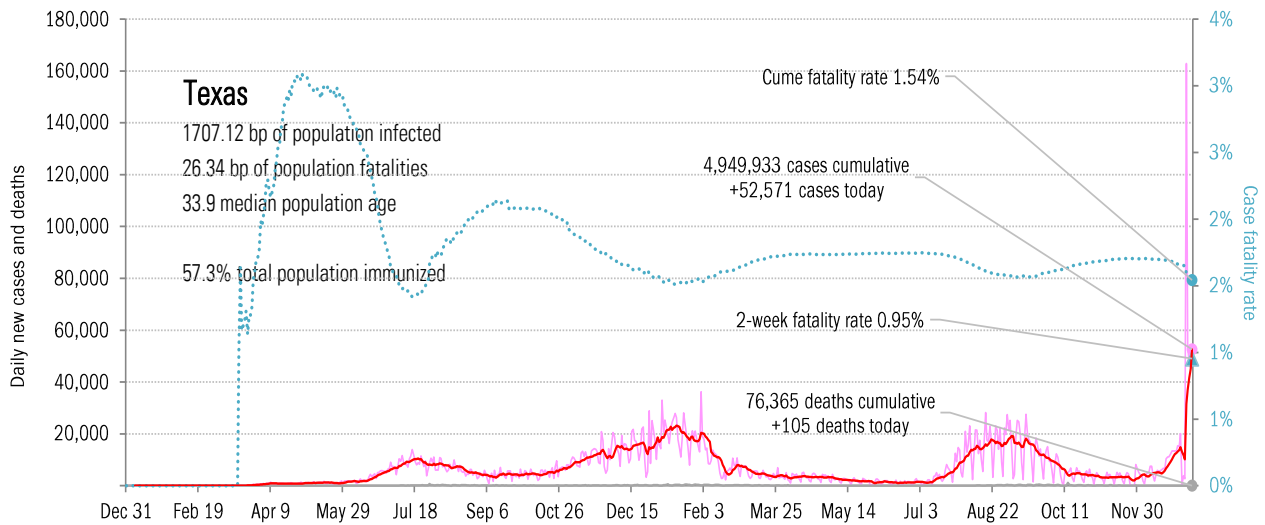
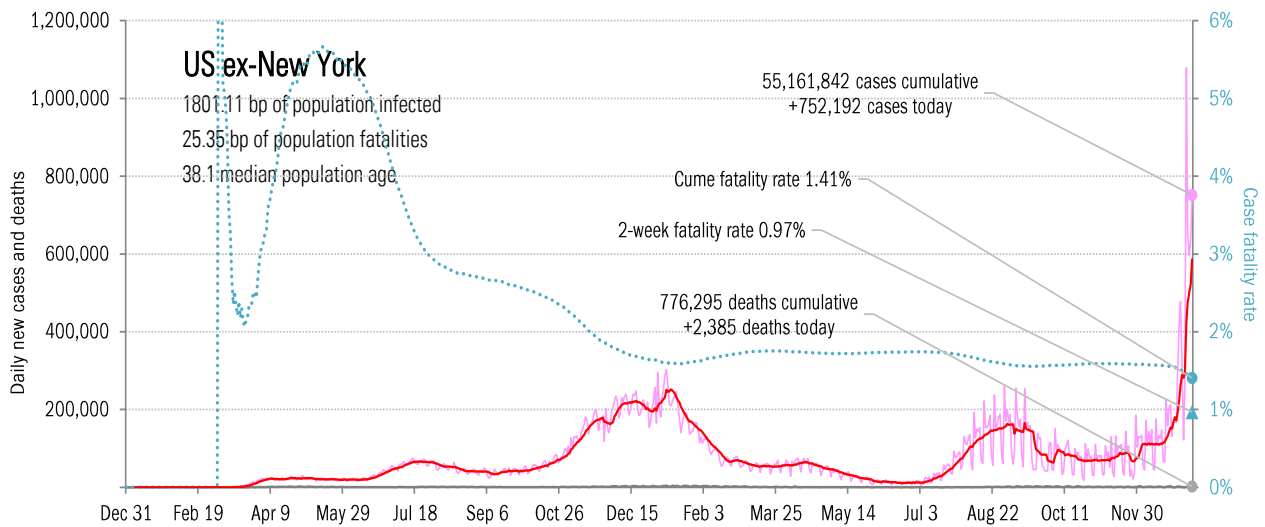
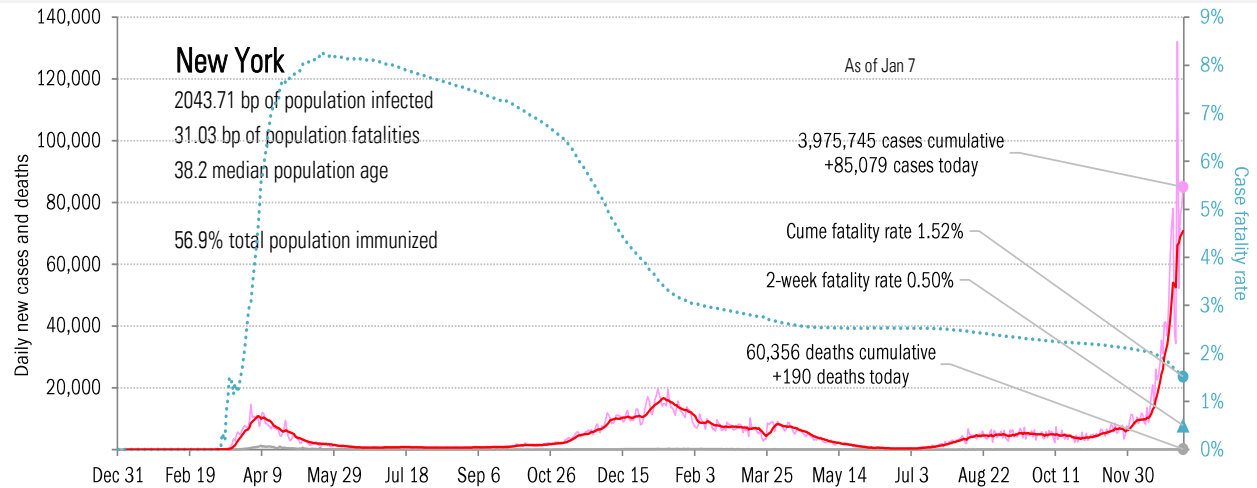
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande

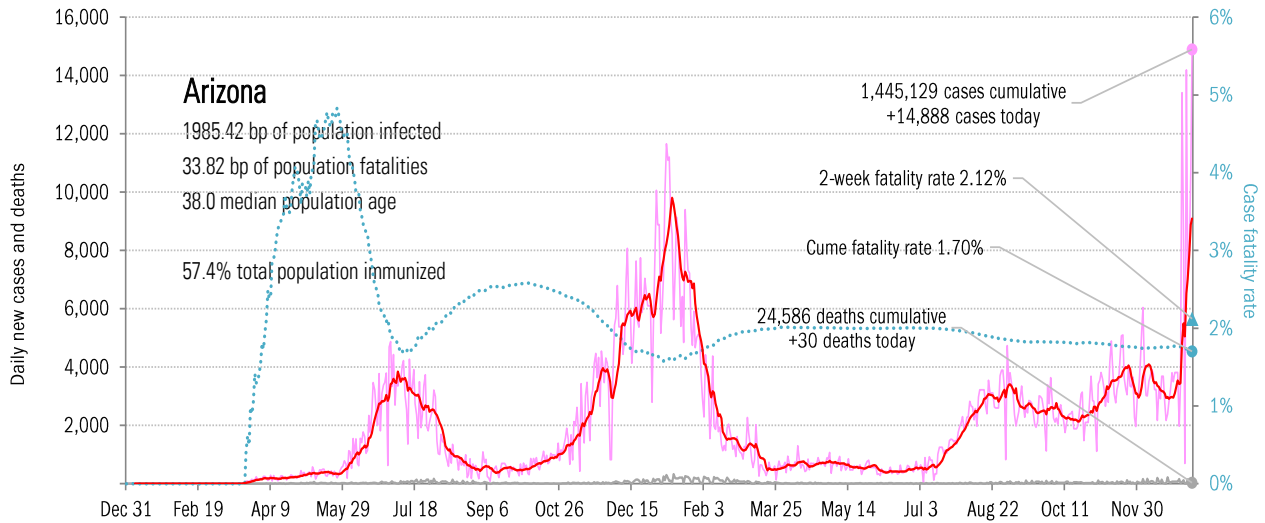
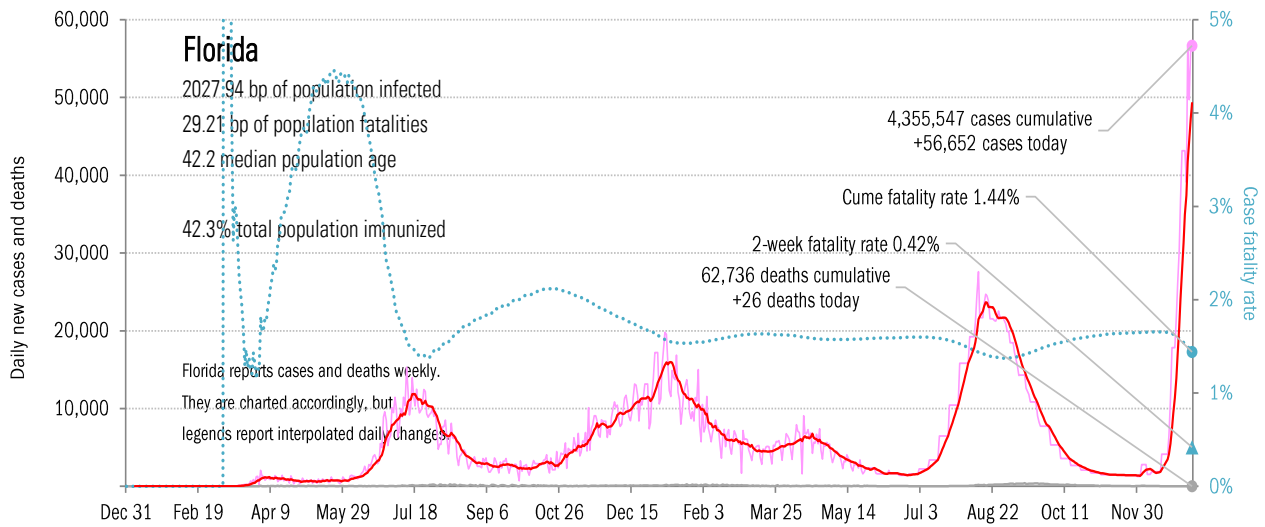
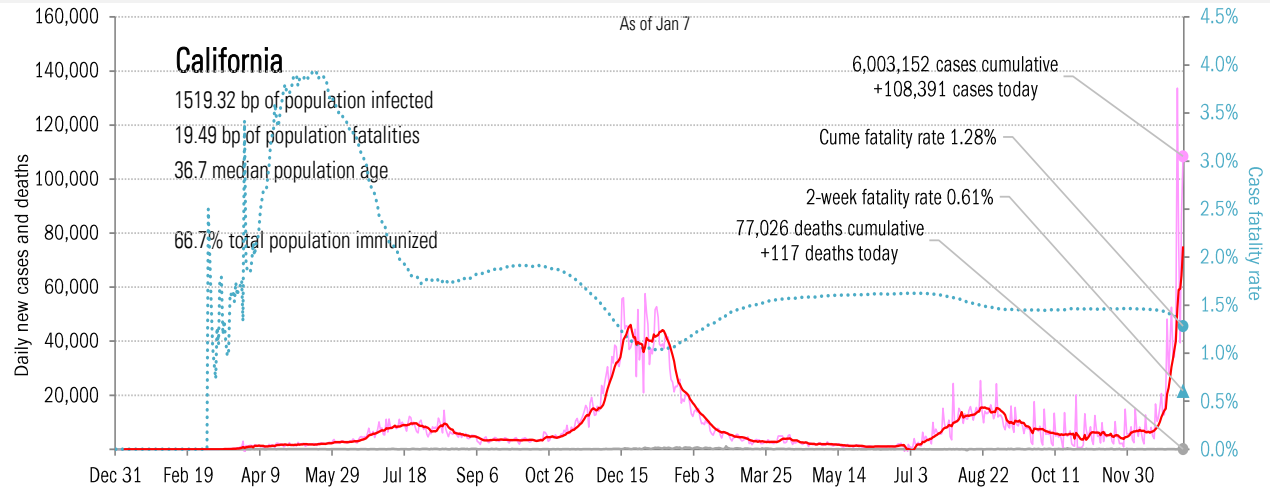
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

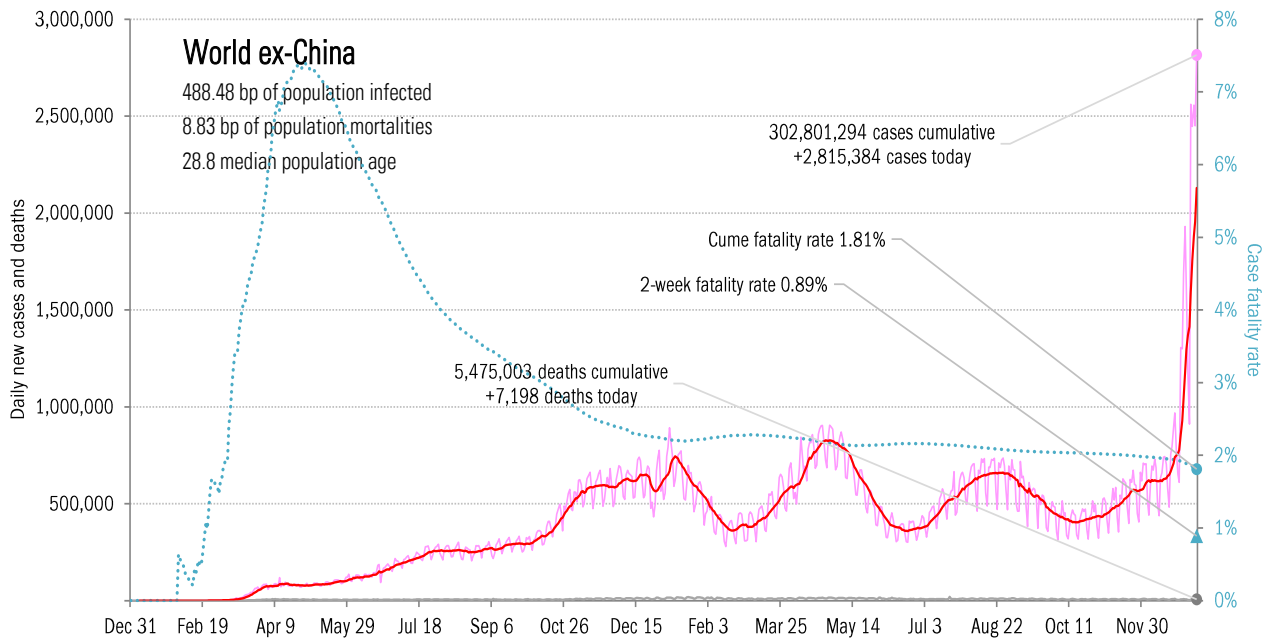
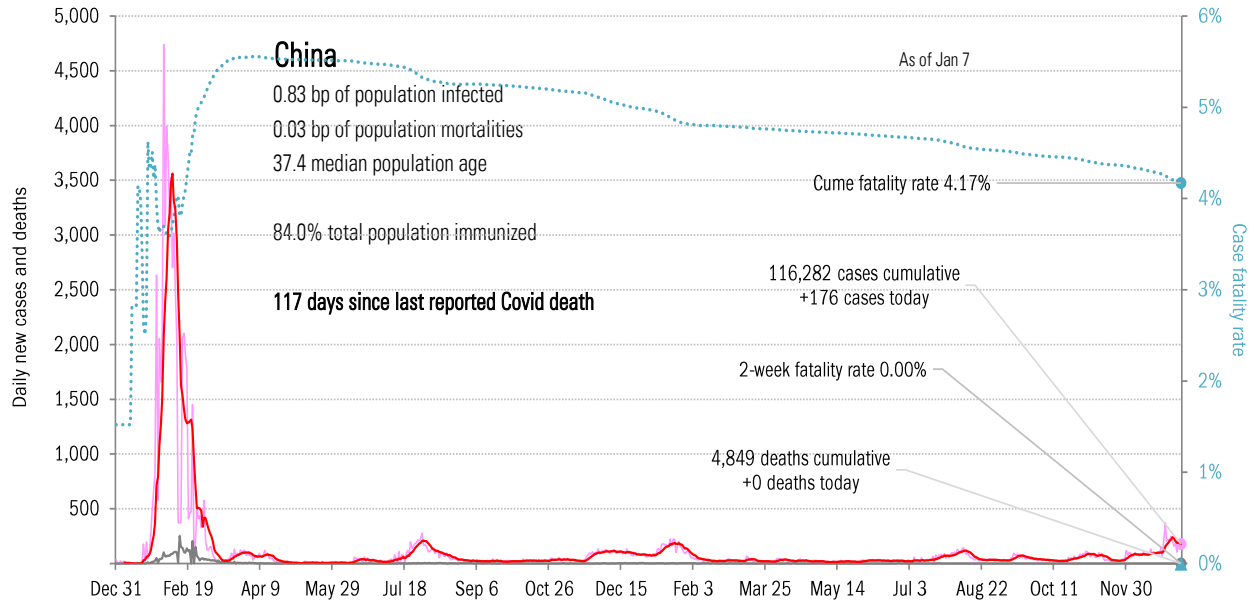
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

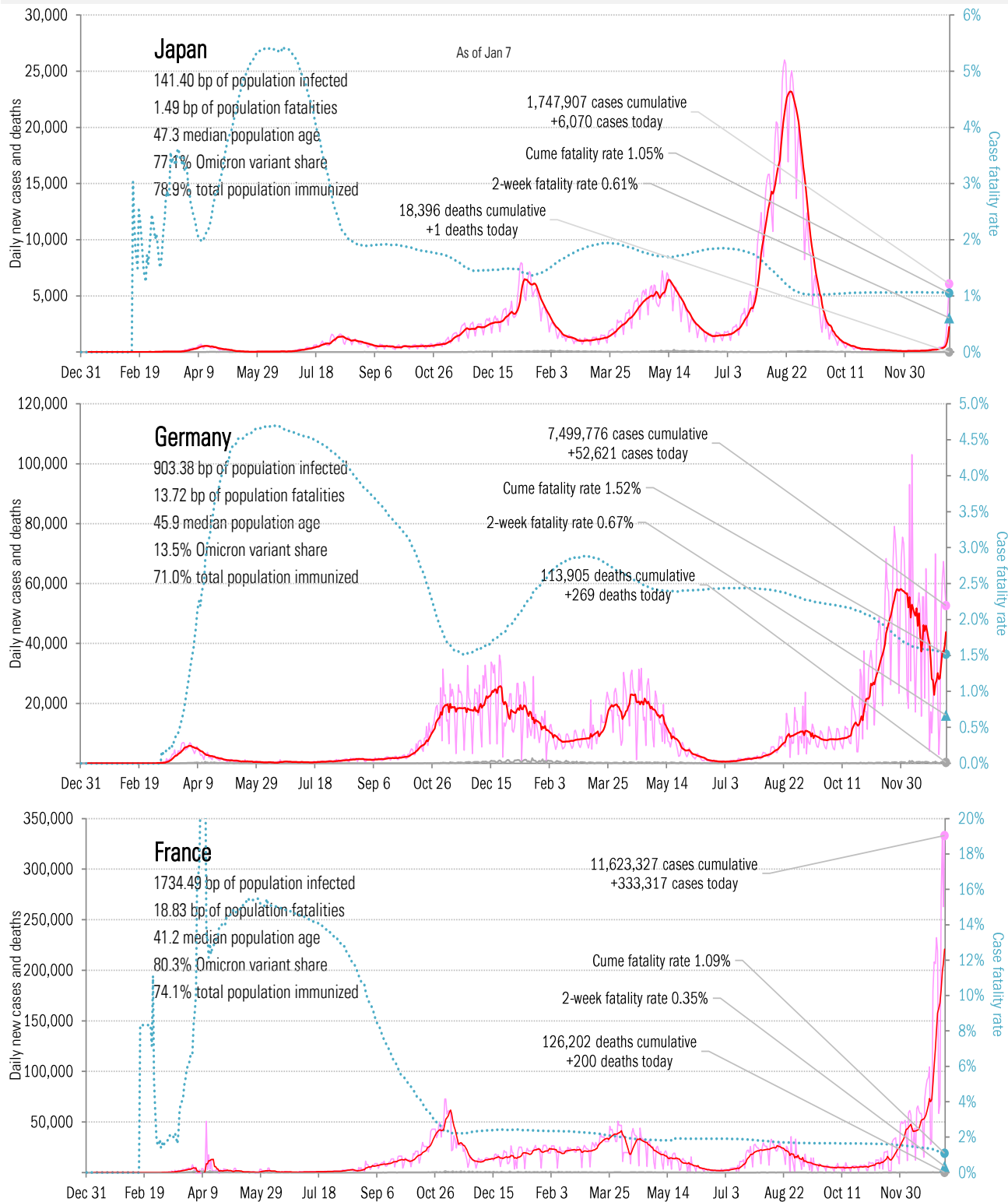
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

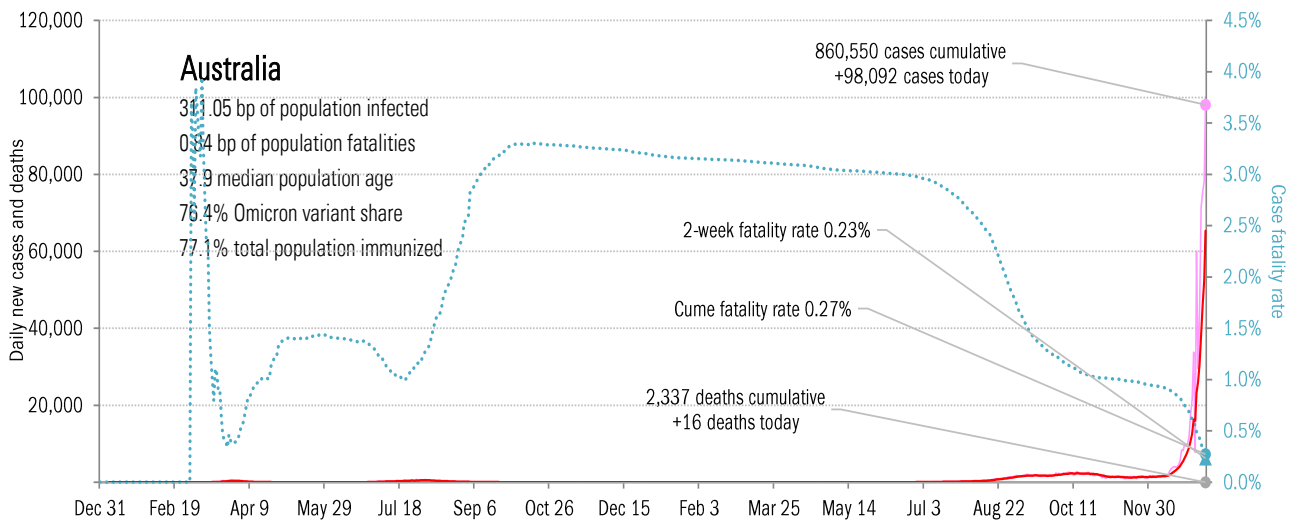
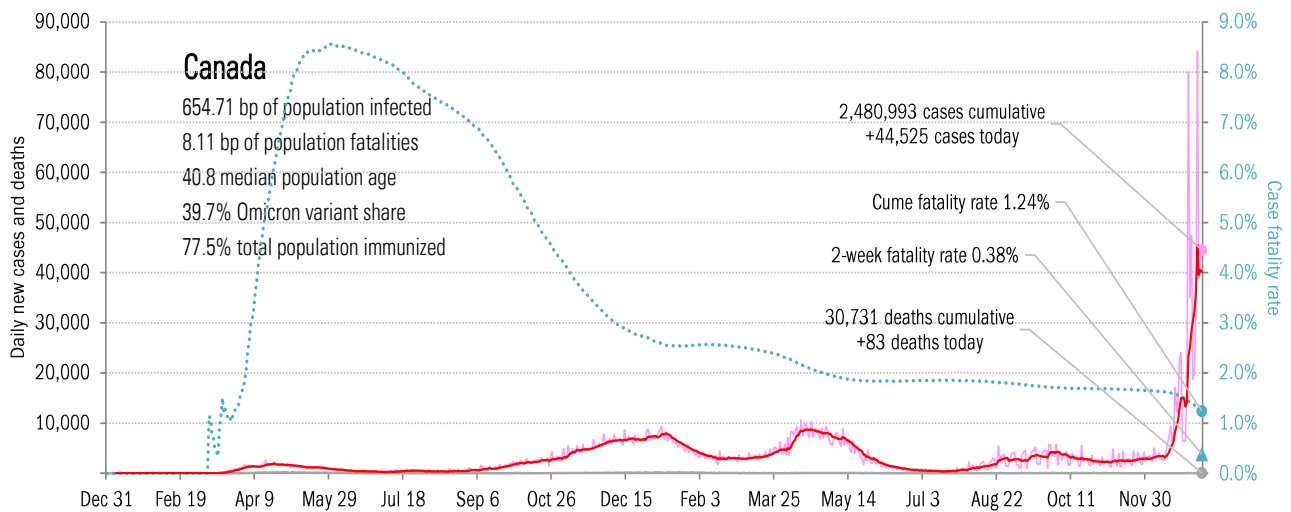
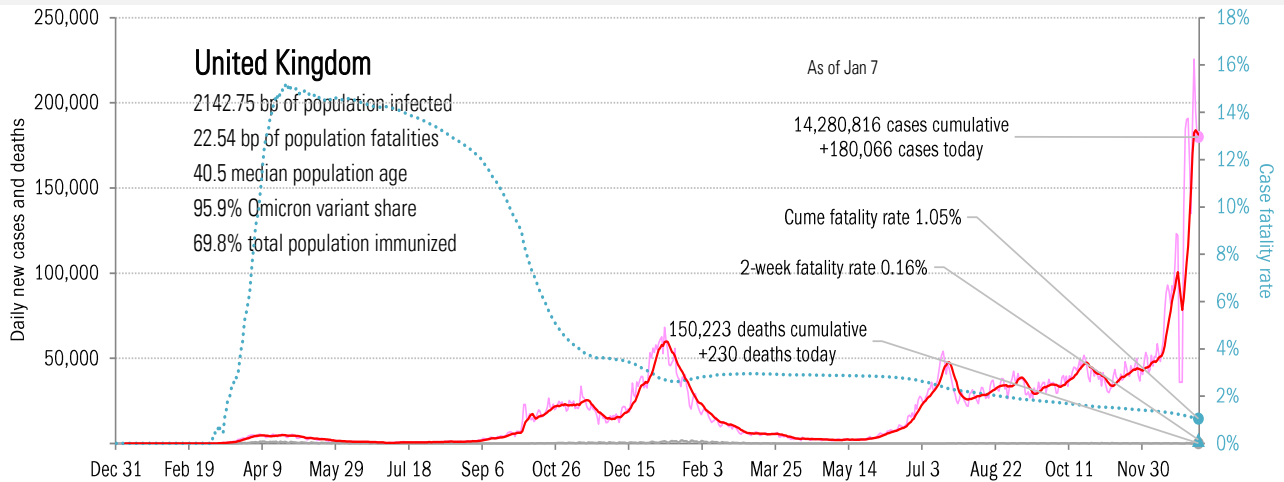


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

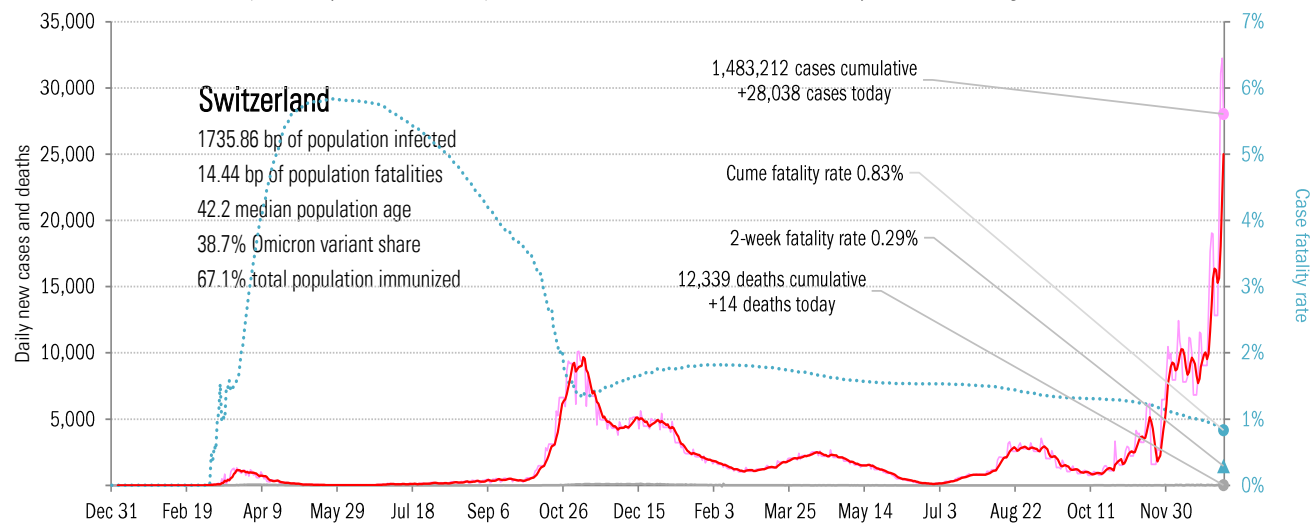
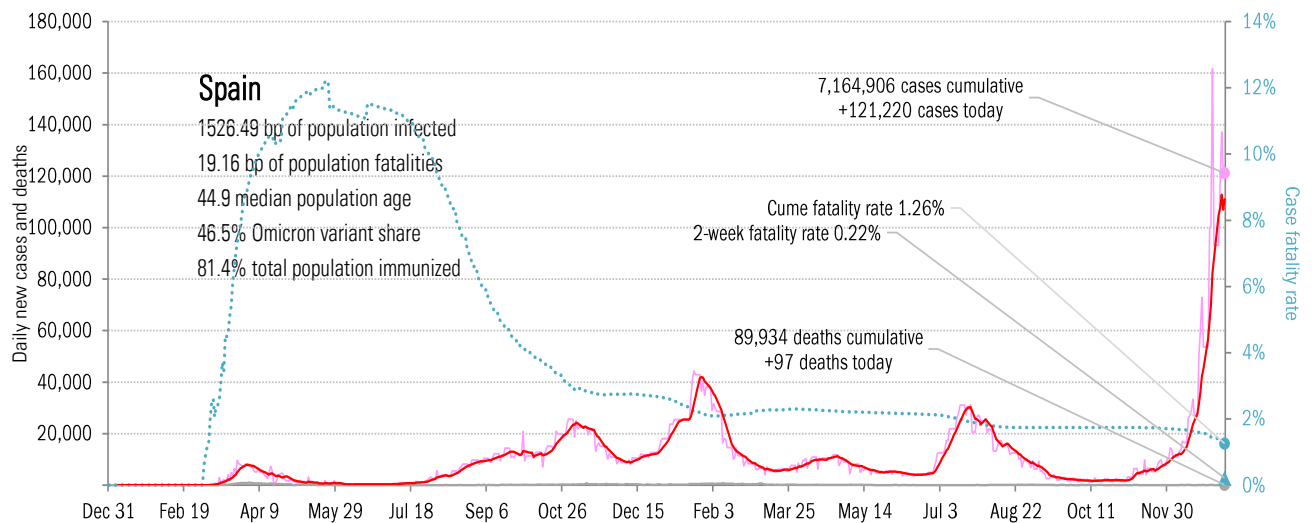
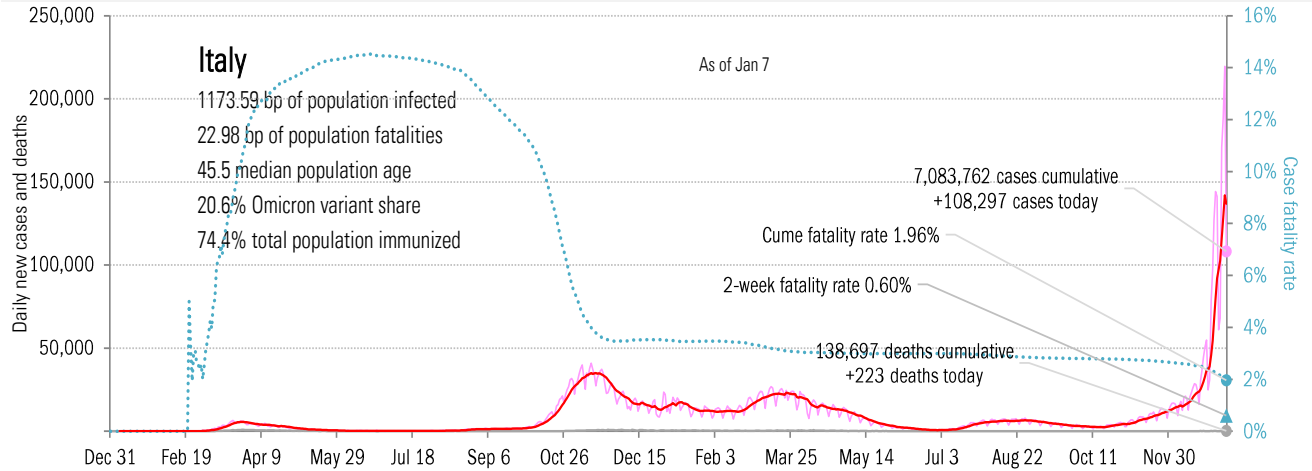
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

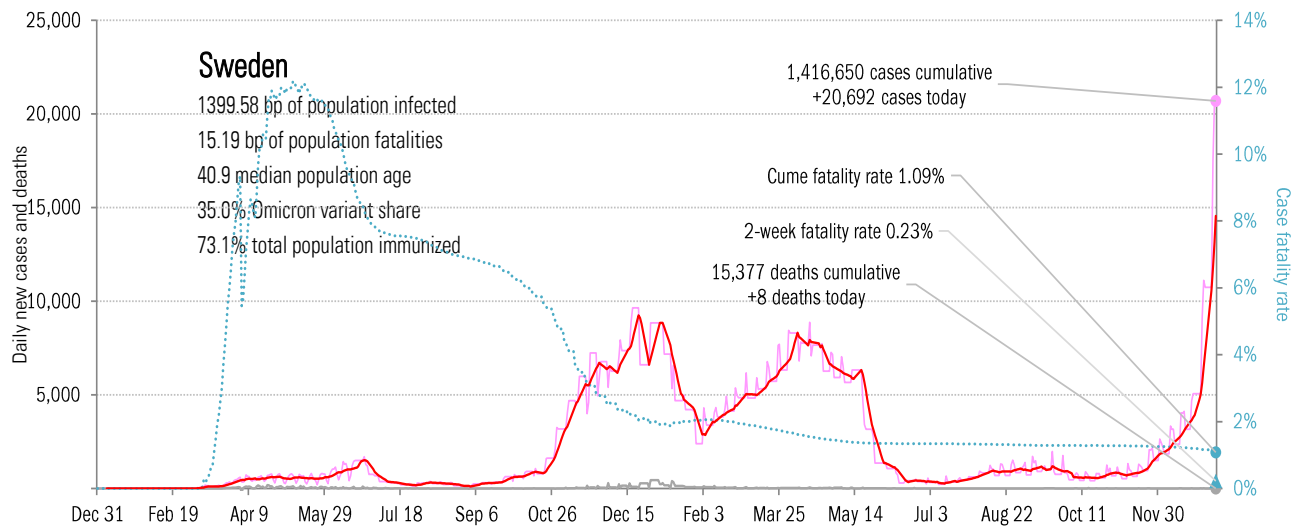
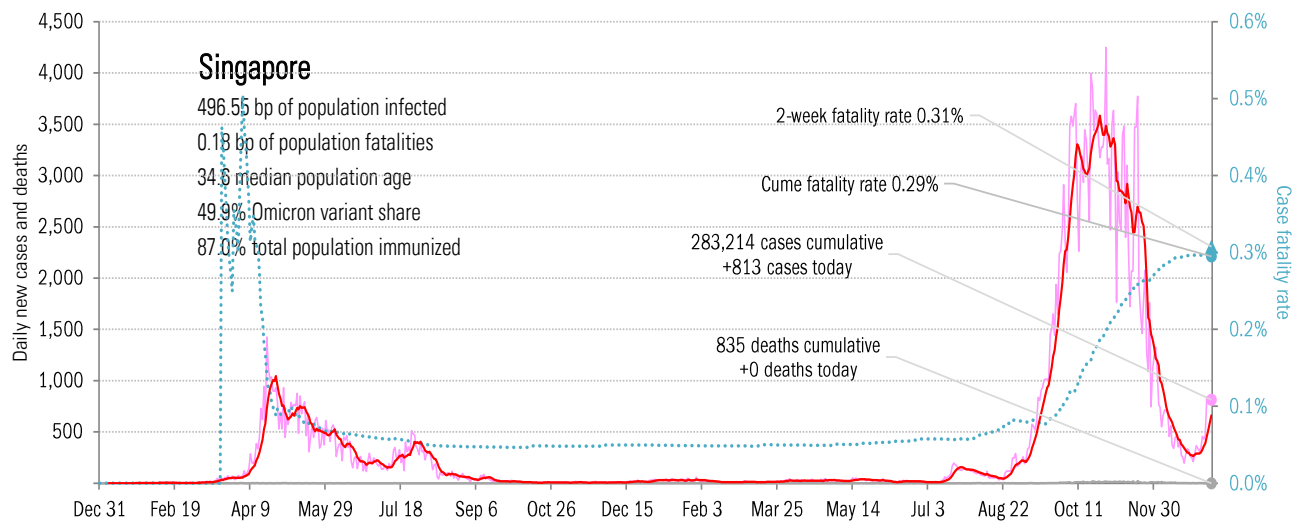
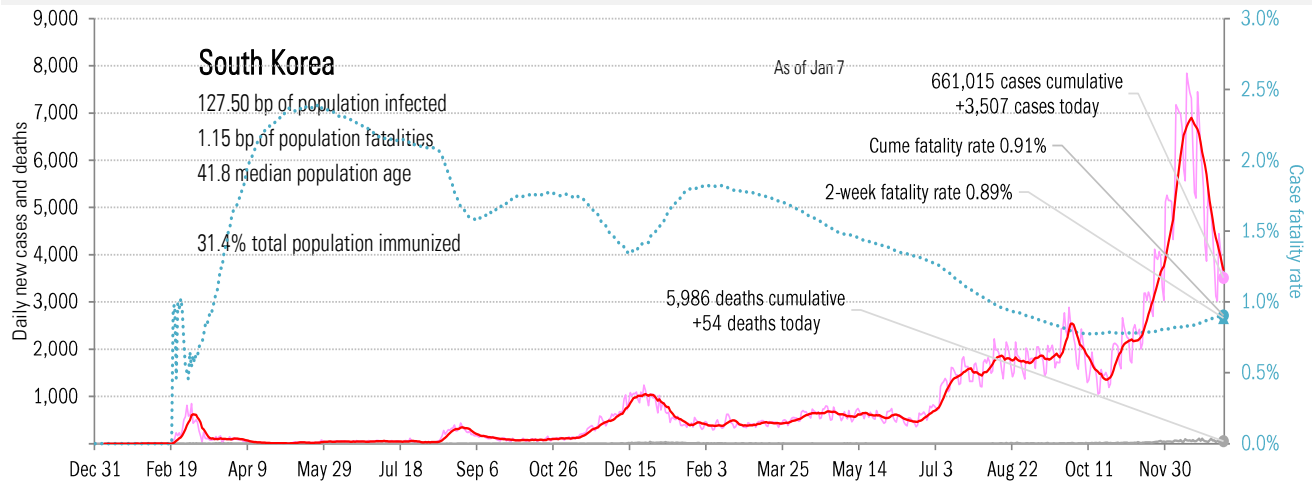
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

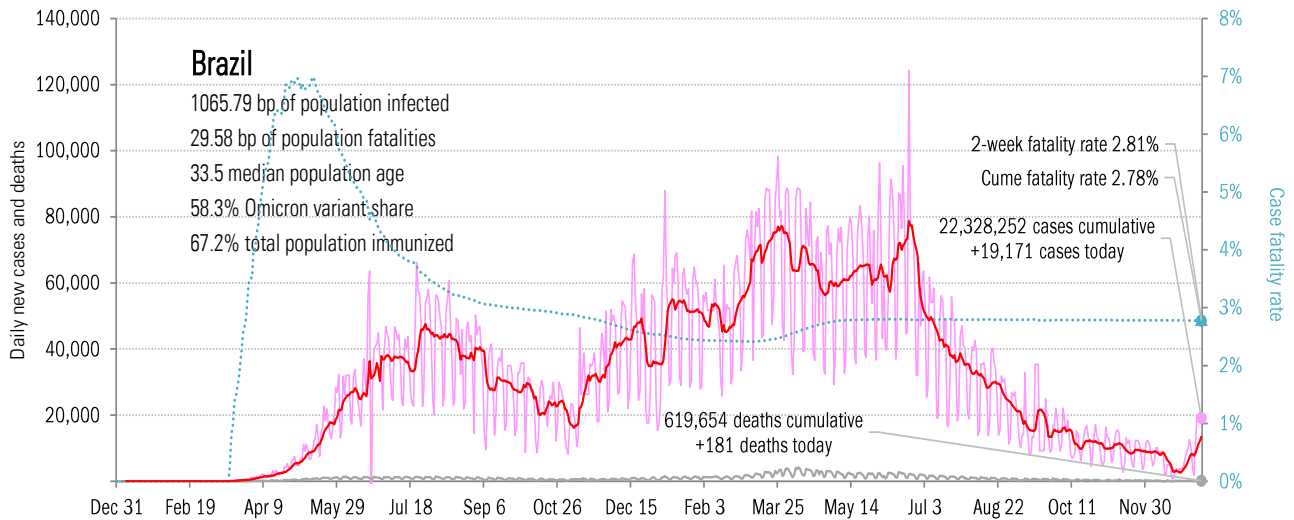
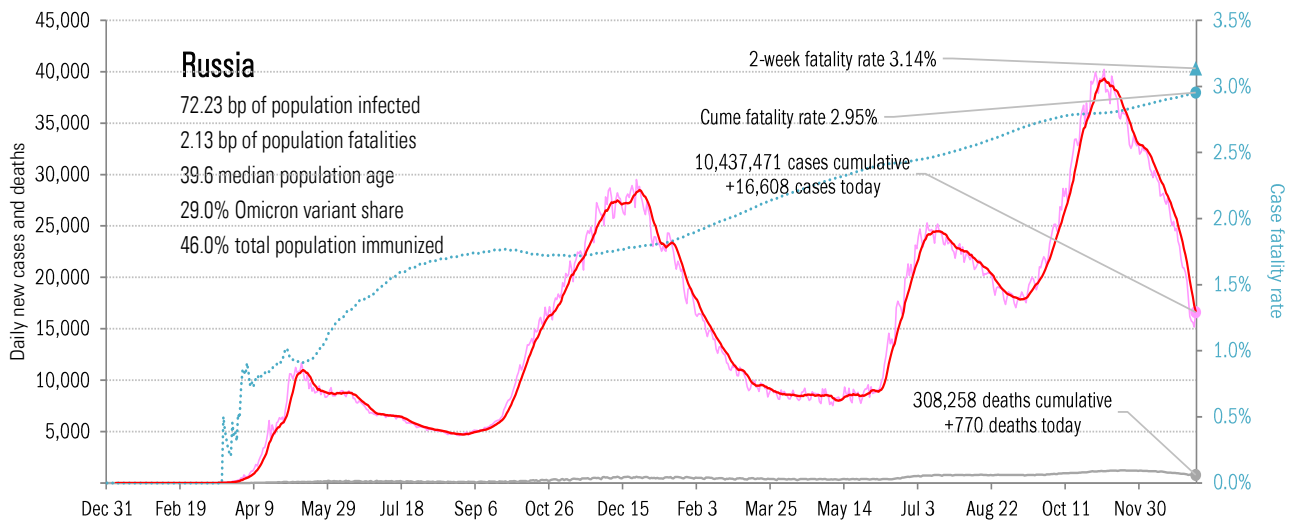
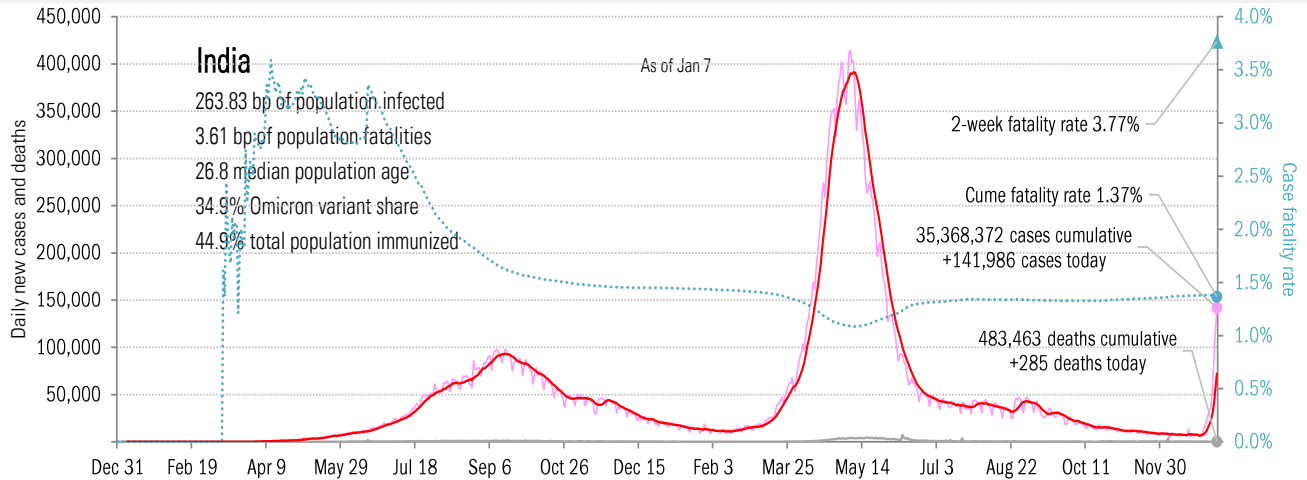
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

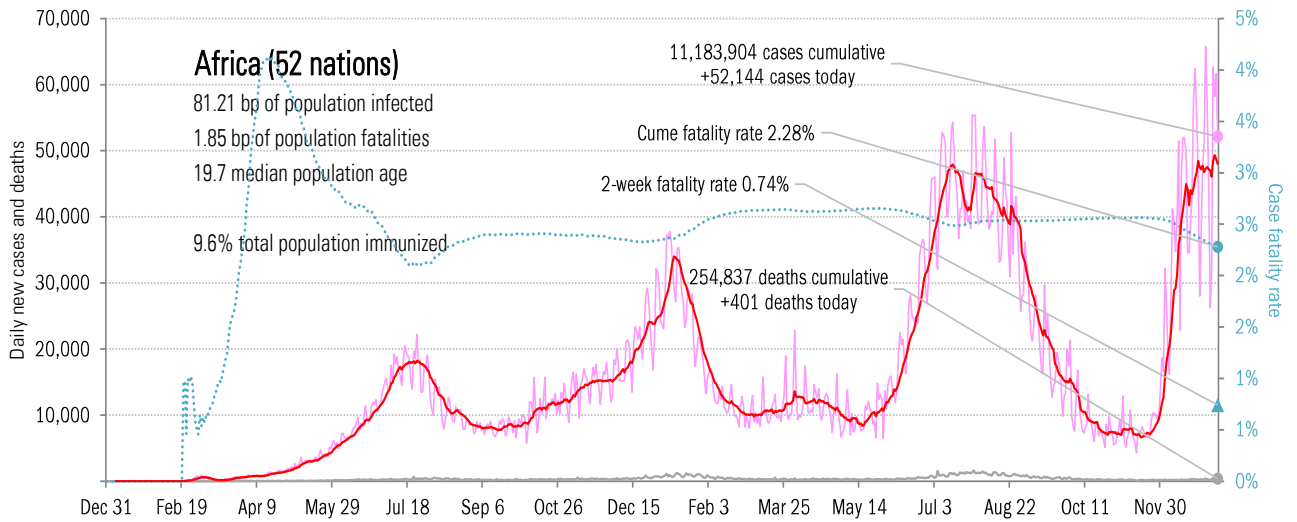
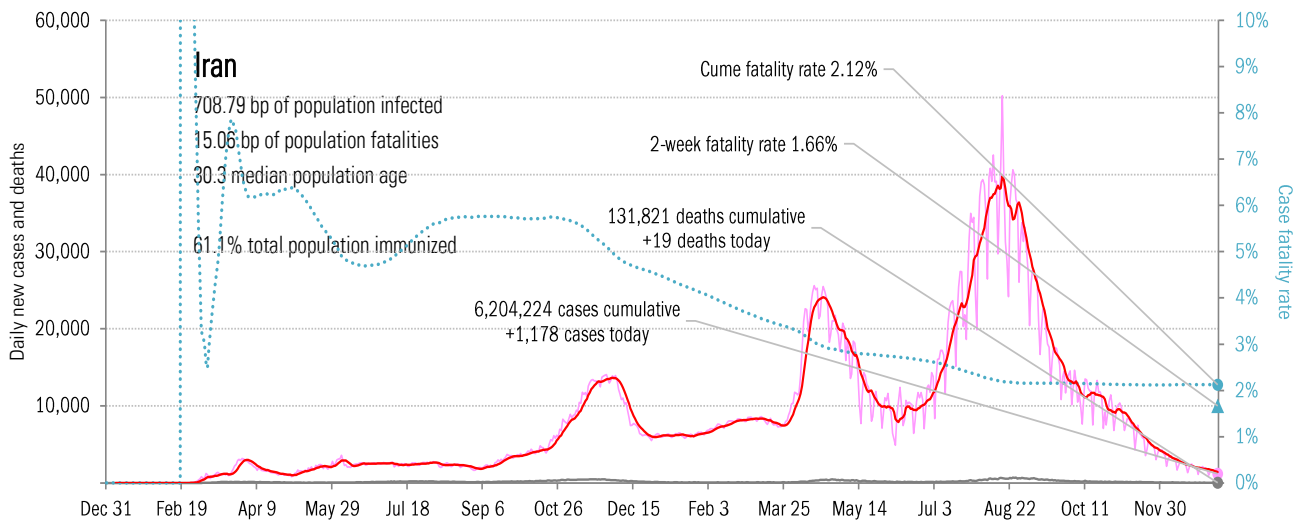
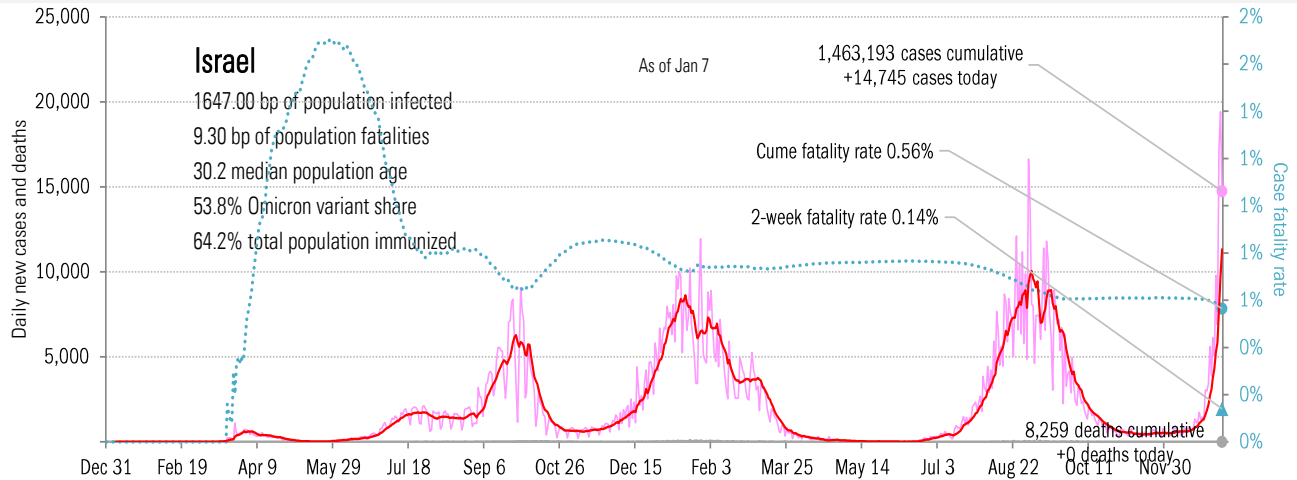
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

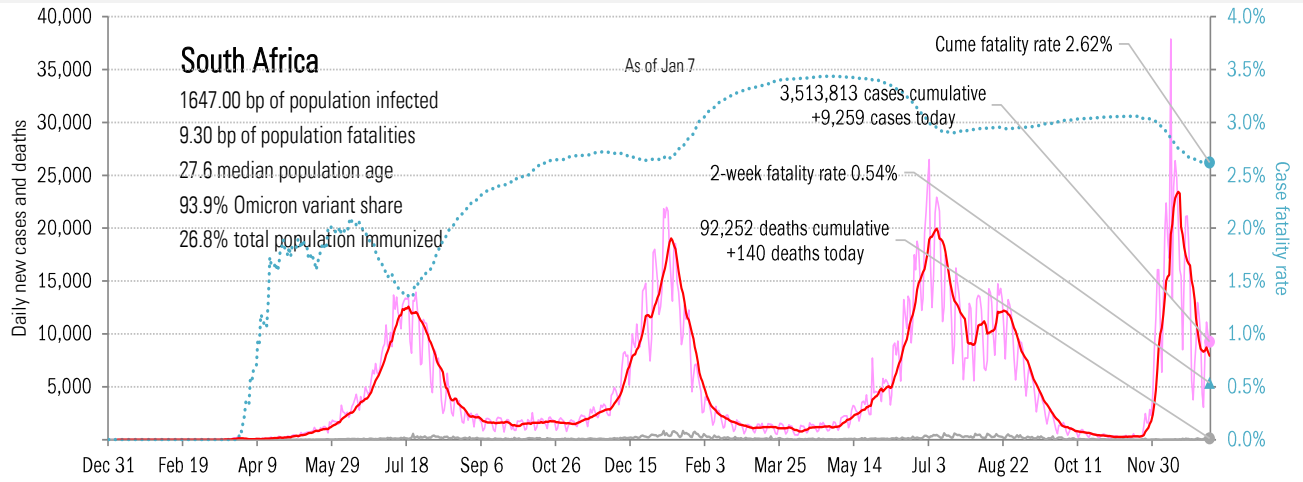
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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