

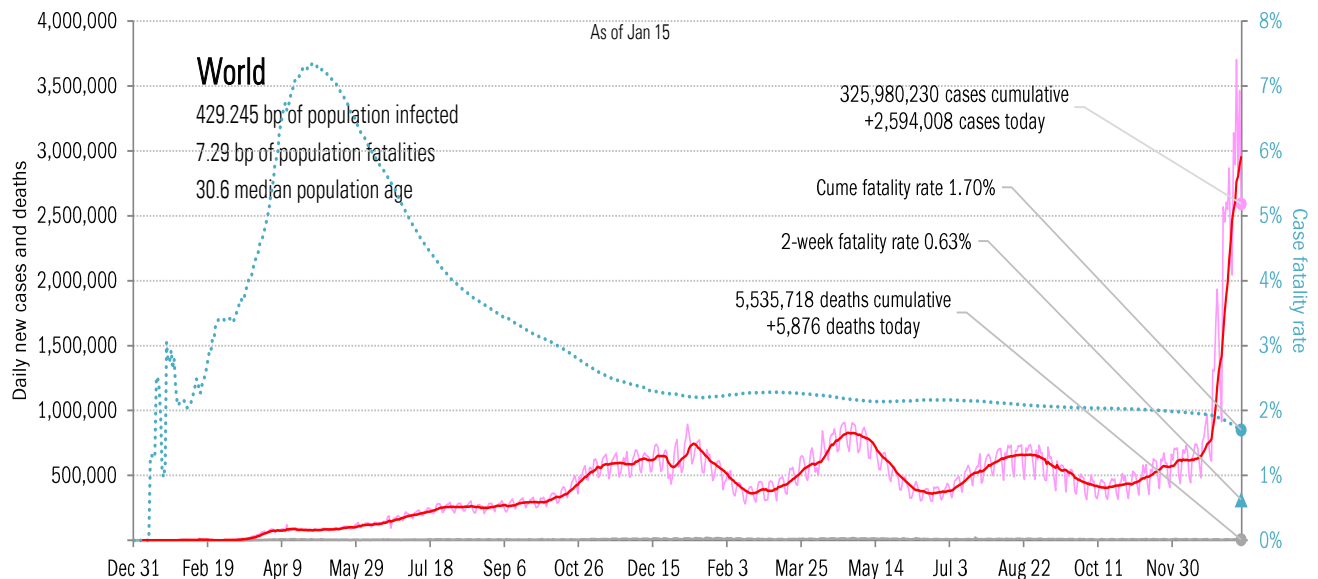
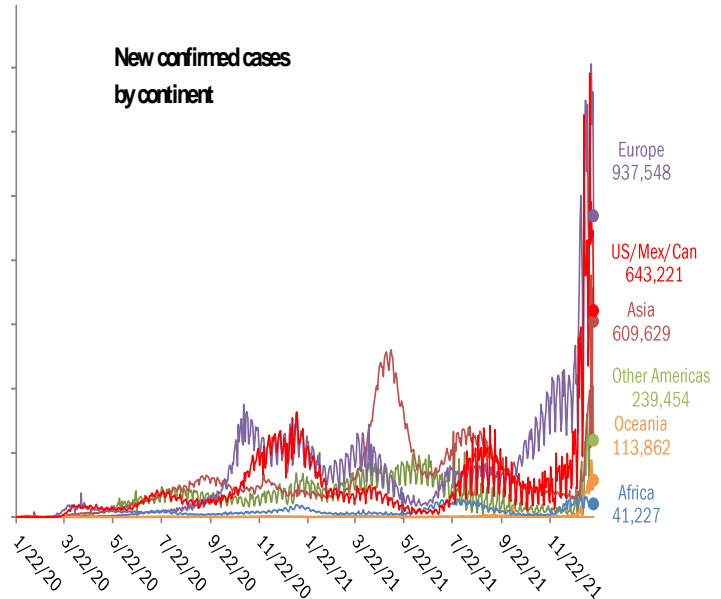
## Data Insights: Covid-2019 Monitor

Sunday, January 16, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	536,501	United States	793
France	324,610	Russia	708
India	271,202	Poland	429
Italy	192,936	Mexico	422
Turkey	131,824	Turkey	344
Australia	112,867	India	314
Argentina	96,652	Italy	308
Mexico	91,406	United Kingdom	288
United Kingdom	80,970	Brazil	170
Israel	54,647	South Africa	161
<b>1,893,615</b>		<b>3,937</b>	
World	2,594,008	World	5,876
Top ten	73%	Top ten	67%



Source: [Johns Hopkins](#), 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

Cases: 7-day average and daily Deaths: Daily

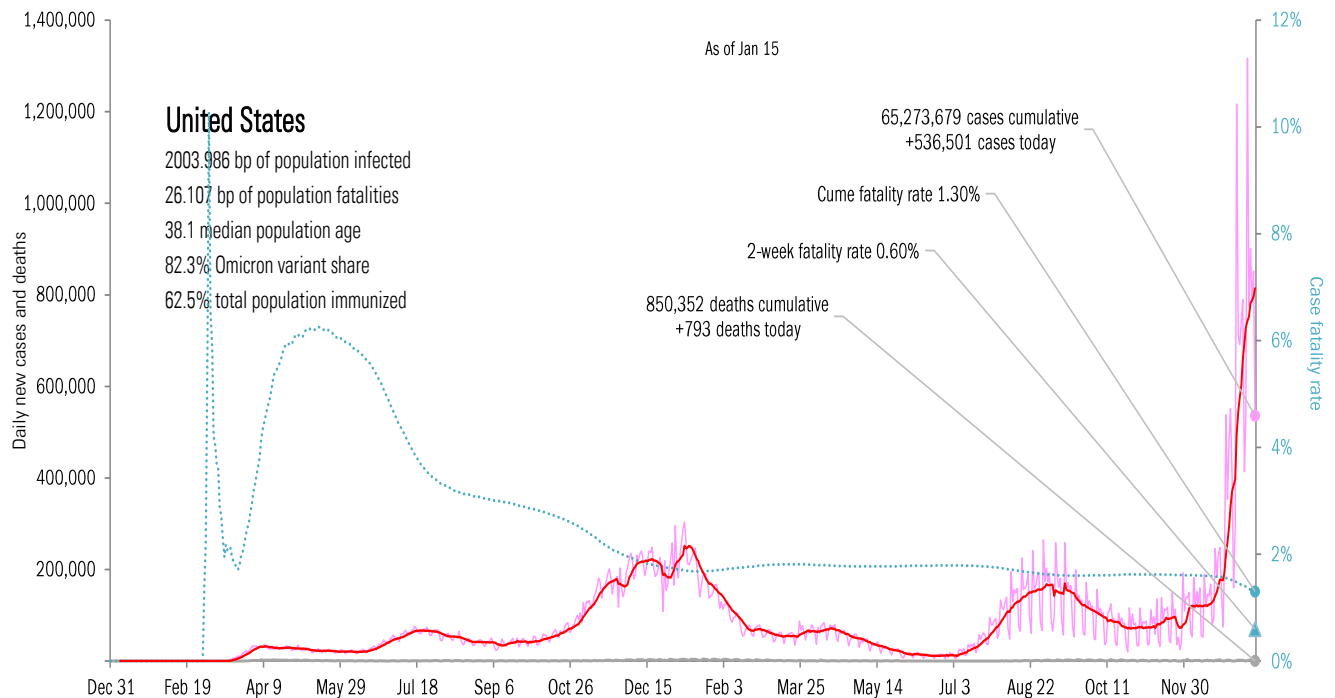
## The ten worst US states

New cases			New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
TX	209,270		PA	185	CA	344	CA	6,871,649	CA	77,723	TX	428,066	MD	88%	RI	97%
FL	58,406		TX	165	TX	342	TX	5,505,849	TX	77,084	FL	364,626	RI	87%	DC	94%
CH	50,299		NJ	120	KY	192	FL	4,870,200	FL	62,796	CA	360,861	MA	86%	AL	92%
NY	40,611		NY	92	OK	159	NY	4,460,856	NY	61,746	NY	217,038	MN	86%	KY	92%
CA	35,012		TN	69	MA	128	IL	2,589,640	PA	38,611	GA	182,408	PA	86%	TX	92%
PA	22,403		CA	66	FL	127	PA	2,425,456	GA	31,928	CH	169,680	WV	85%	MO	90%
MO	20,205		MD	57	NY	92	CH	2,357,990	IL	31,532	PA	156,240	GA	85%	NV	89%
NJ	16,859		DE	28	KS	86	GA	2,113,319	CH	30,922	IL	139,194	WA	84%	NM	89%
OK	14,403		MO	22	AR	84	NC	2,011,302	MI	30,709	MI	125,705	CA	84%	IN	89%
IA	14,109		FR	20	AL	81	MI	1,984,056	NJ	30,079	KY	124,890	MO	84%	GA	89%
481,577			824		1,635		35,190,317		473,130		2,268,688					
All states	536,501		793		1,926		All states	65,273,679	850,352		4,090,913		All states	70%	67%	
Top ten	90%		104%		85%		Top ten	54%	56%		55%		Median	79%	83%	

Some states not reporting

## Five most improved US states

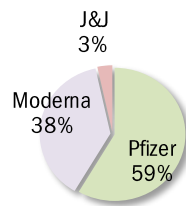
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-81,390	CH	-487	FL	-524	MS	+30 bp
LA	-44,884	FL	-345	CA	-461	MD	+20 bp
MI	-43,348	MI	-297	GA	-295	AL	+10 bp
KS	-39,649	IL	-153	NJ	-240	AR	+10 bp
NC	-35,759	NY	-129	MD	-233	AZ	+10 bp



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	540,362,987	+1.316 million			US	62.5%	74.9%	
Boosters	80,810,349	+0.728 million			UK	70.2%	76.3%	
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>	France	75.0%	79.1%
Total population	254,738,005	76%	214,155,349	64%	+0.206 million	Spain	81.6%	86.3%
Age 12 to 17	15,582,204	65%	13,042,642	55%	+0.019 million	Germany	72.0%	74.3%
Age 18 to 64	172,089,471	85%	145,094,990	71%	+0.106 million	Italy	75.1%	81.8%
Age 65 and over	58,127,571	100%	49,853,551	91%	+0.015 million	Australia	77.6%	81.1%



State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

Every American >18 immunized in **365 days** by Jan 16, 2023  
 75.5% of population >18 immunized  
 23.0% previously tested positive  
**98.5%** vs 60% adult herd immunity

Israel	64.7%	71.8%
Canada	77.9%	84.2%
Japan	78.9%	80.3%
Africa	10.0%	15.3%
India	46.9%	65.2%
Brazil	68.0%	78.0%
China	84.5%	87.5%

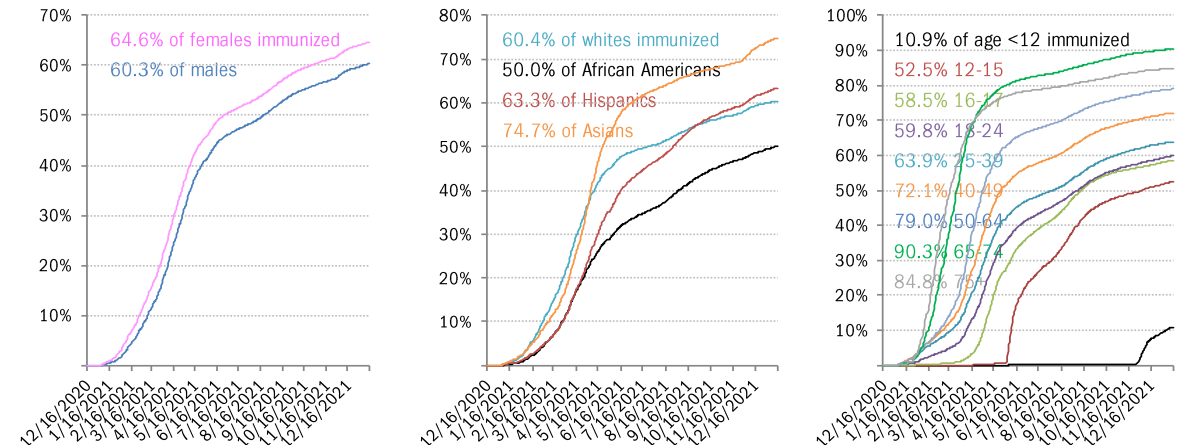
Global data differs due to sources, timing

AK
65.9%
57.0%

As of Jan 16

WI	ME									
69.4%	87.4%									
62.8%	76.8%									
<b>WA</b>	<b>ID</b>	<b>MT</b>	<b>ND</b>	<b>MN</b>	<b>IL</b>	<b>MI</b>	<b>NY</b>	<b>VT</b>	<b>NH</b>	
76.8%	52.8%	62.8%	63.1%	72.5%	73.9%	64.4%	86.1%	90.8%	95.0%	
68.8%	46.6%	54.5%	53.3%	66.3%	65.1%	57.6%	73.0%	78.5%	68.0%	
<b>OR</b>	<b>NV</b>	<b>WY</b>	<b>SD</b>	<b>IA</b>	<b>IN</b>	<b>OH</b>	<b>PA</b>	<b>NJ</b>	<b>MA</b>	
75.0%	71.2%	56.8%	72.4%	65.8%	58.9%	61.5%	80.4%	85.8%	92.9%	
67.2%	57.3%	48.2%	58.0%	59.7%	52.6%	56.0%	64.9%	71.6%	75.6%	
<b>CA</b>	<b>UT</b>	<b>CO</b>	<b>NE</b>	<b>MO</b>	<b>KY</b>	<b>WV</b>	<b>VA</b>	<b>MD</b>	<b>CT</b>	<b>RI</b>
84.8%	68.4%	75.8%	67.4%	63.4%	63.5%	62.8%	80.5%	82.1%	90.9%	91.8%
67.3%	59.7%	67.1%	60.6%	53.6%	54.9%	55.6%	68.9%	71.6%	75.7%	77.8%
<b>AZ</b>	<b>NM</b>	<b>KS</b>	<b>AR</b>	<b>TN</b>	<b>NC</b>	<b>SC</b>	<b>DC</b>	<b>DE</b>		
68.7%	82.3%	70.7%	63.9%	59.6%	79.0%	64.1%	90.9%	78.4%		
57.9%	67.2%	57.8%	51.9%	52.0%	57.5%	53.9%	68.7%	65.1%		
<b>OK</b>	<b>LA</b>	<b>MS</b>	<b>AL</b>	<b>GA</b>						
67.6%	58.4%	56.9%	59.6%	62.3%						
54.2%	50.9%	49.1%	48.4%	51.8%						
<b>TX</b>	<b>FL</b>	<b>PR</b>								
68.2%	75.8%	90.5%								
57.8%	64.1%	77.9%								
<b>HI</b>										
83.9%										
74.6%										

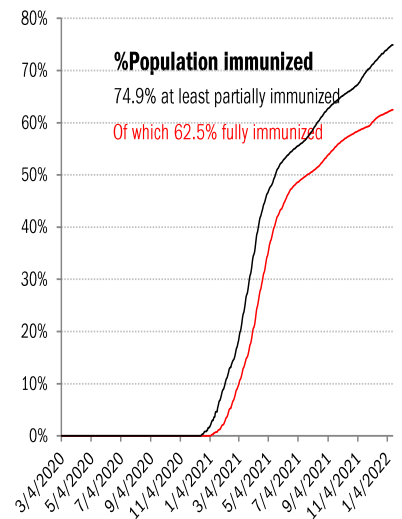
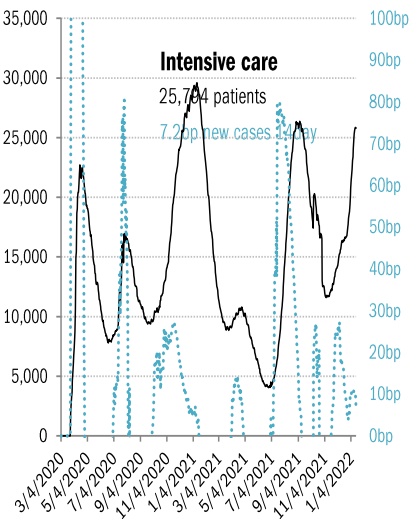
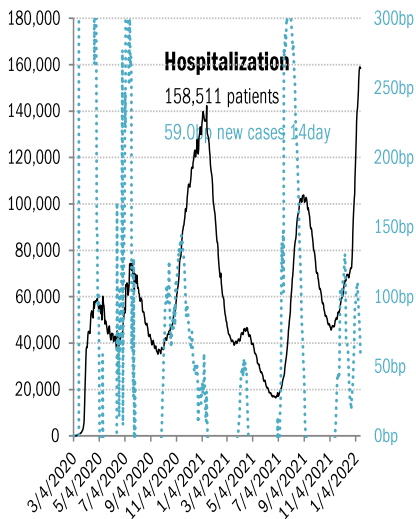
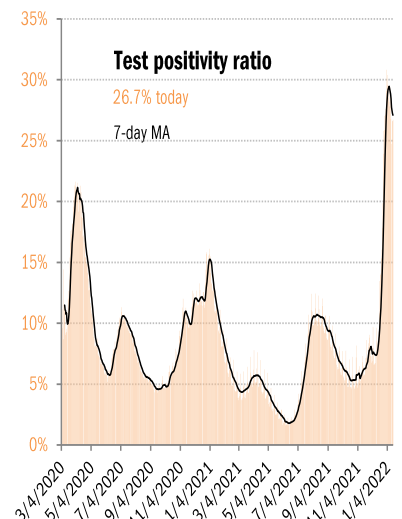
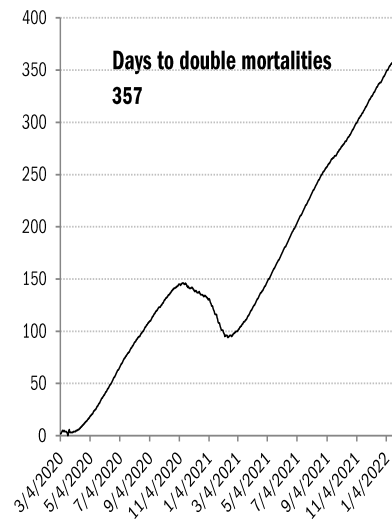
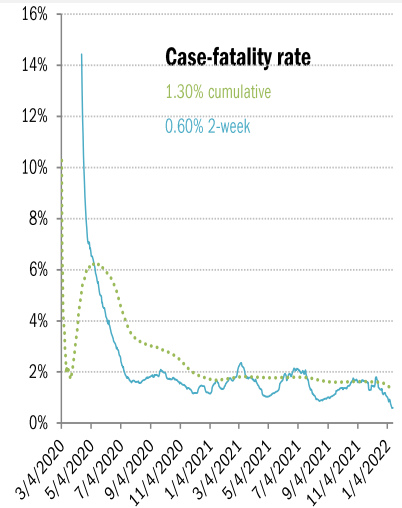
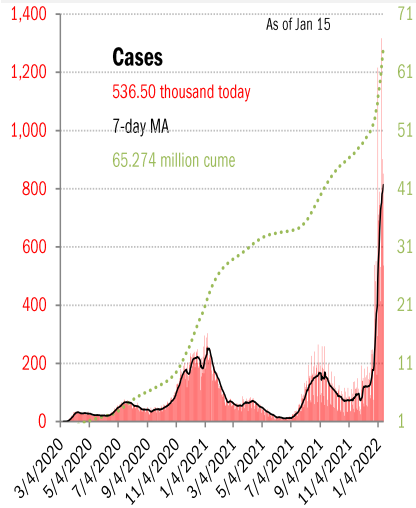
## The demographics of US vaccination



Source: CDC, CDC, Our World in Data, TrendMacro calculations

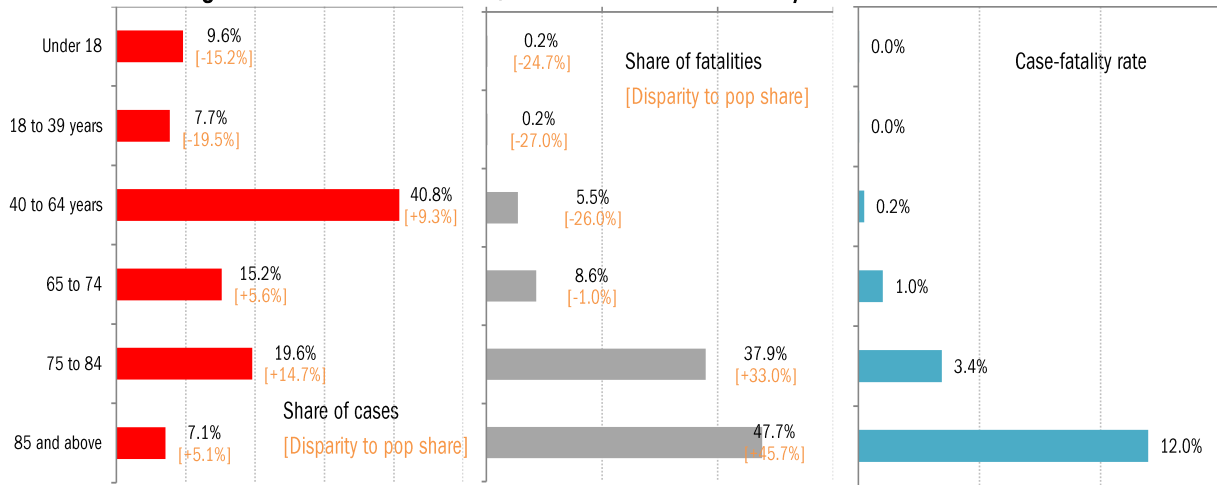
# US deep-dive

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

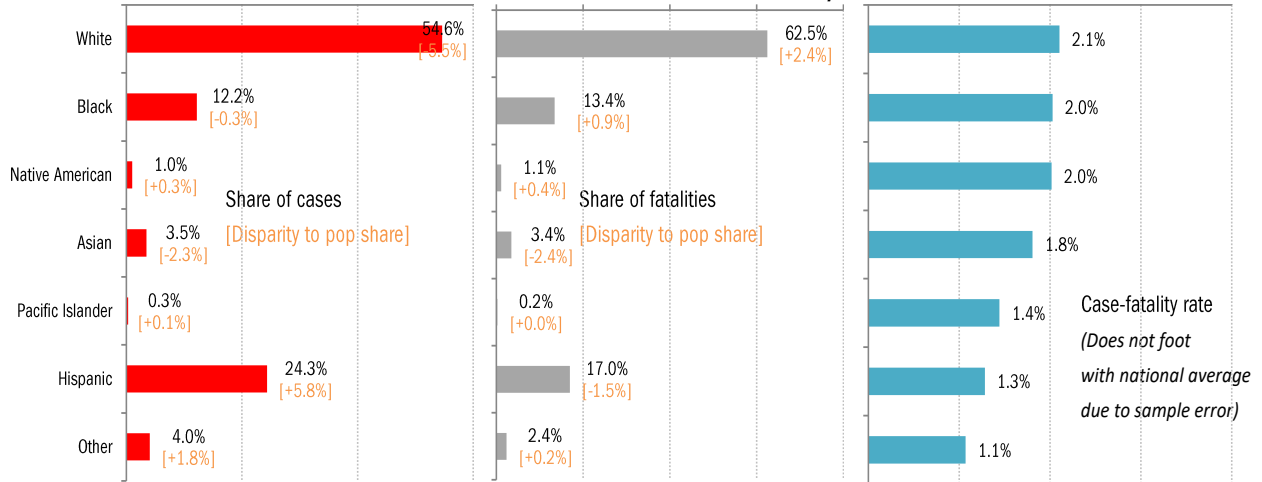


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

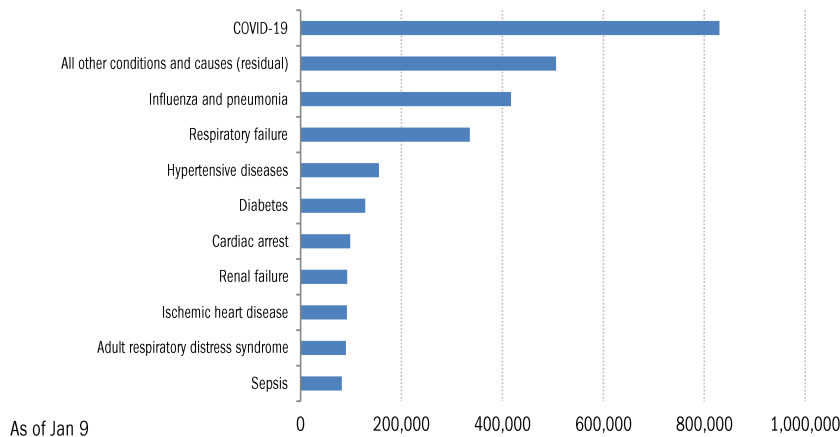


Racial distribution of US cases, fatalities and case-fatality rates



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

[Halting Progress and Happy Accidents: How mRNA Vaccines Were Made](#)

Gina Kolata and Benjamin Mueller  
*New York Times*  
January 15, 2022

[Gov. Youngkin issues executive orders to end school mask mandate; investigate 'wrongdoing' in Loudoun](#)

*Inside NoVa*  
January 15, 2022

[What they REALLY mean by "living with Covid"](#)

Kit Knightly  
*Off Guardian*  
January 10, 2022

[The Best Path Forward for Omicron: Let It Rip](#)

Josh Hammer  
*Newsweek*  
January 15, 2022

## Meme of the day

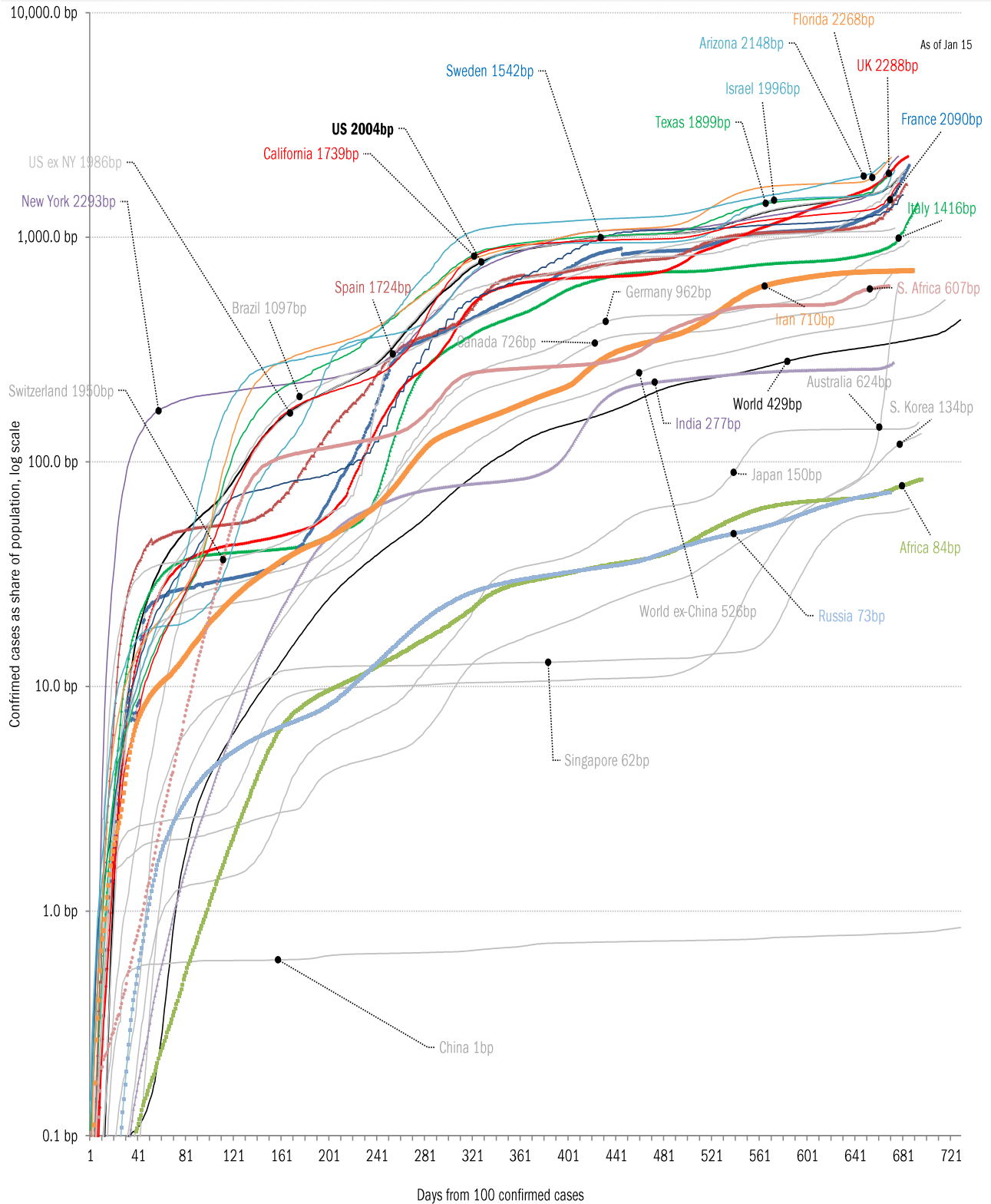


**Quick access, vaccine shirt.  
Get yours today.**

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

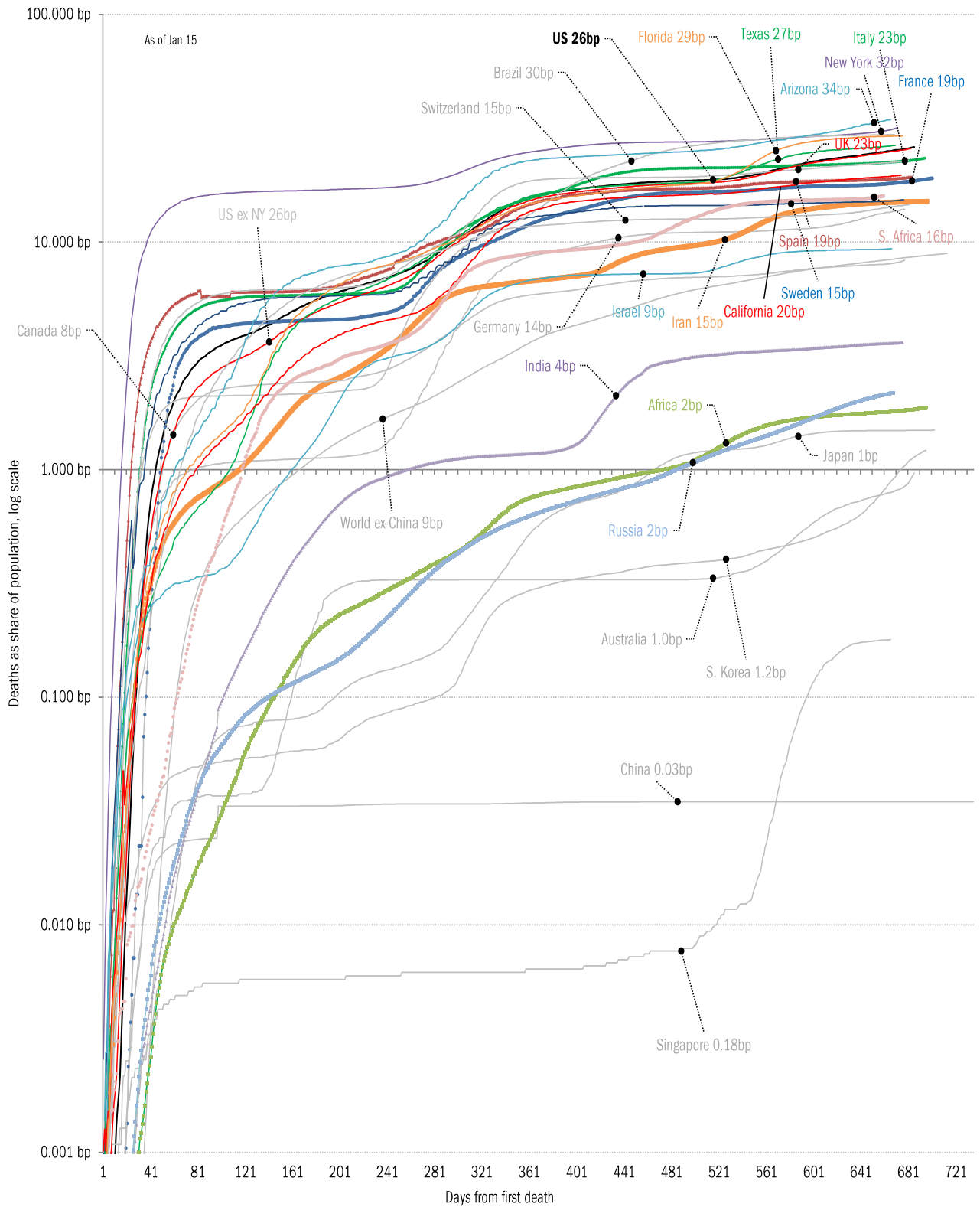


The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



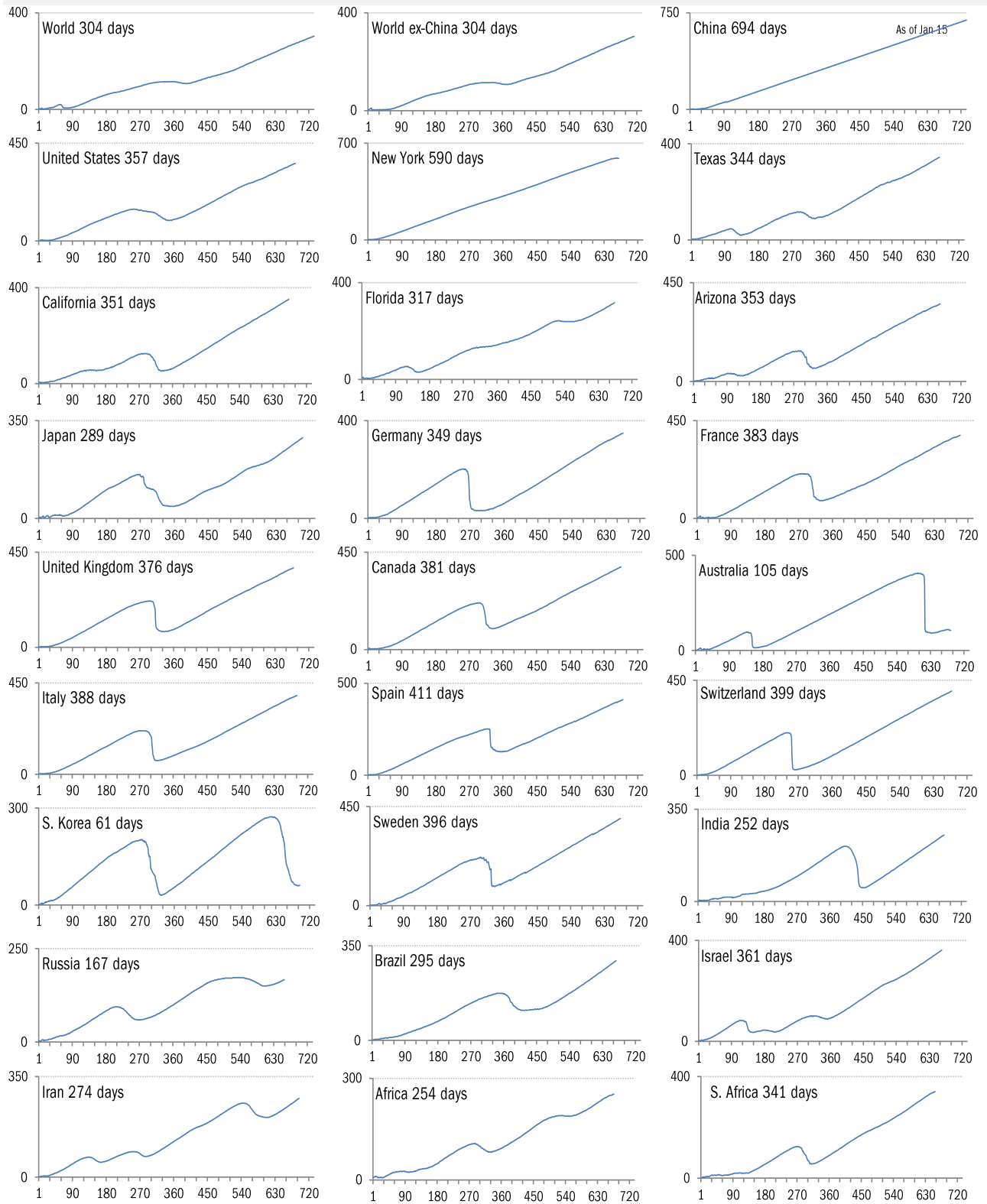
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

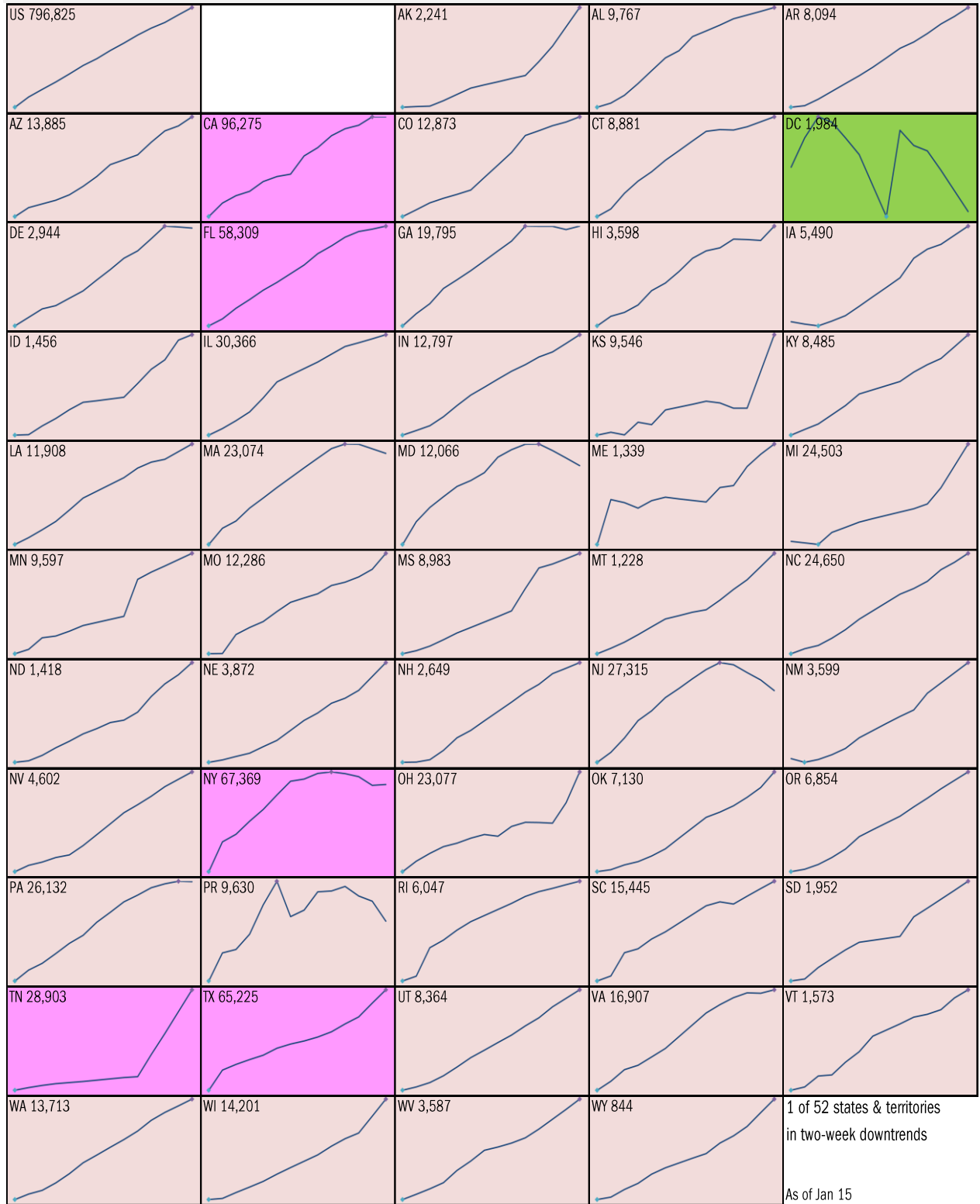


Source: [Johns Hopkins](#), TrendMacro calculations

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

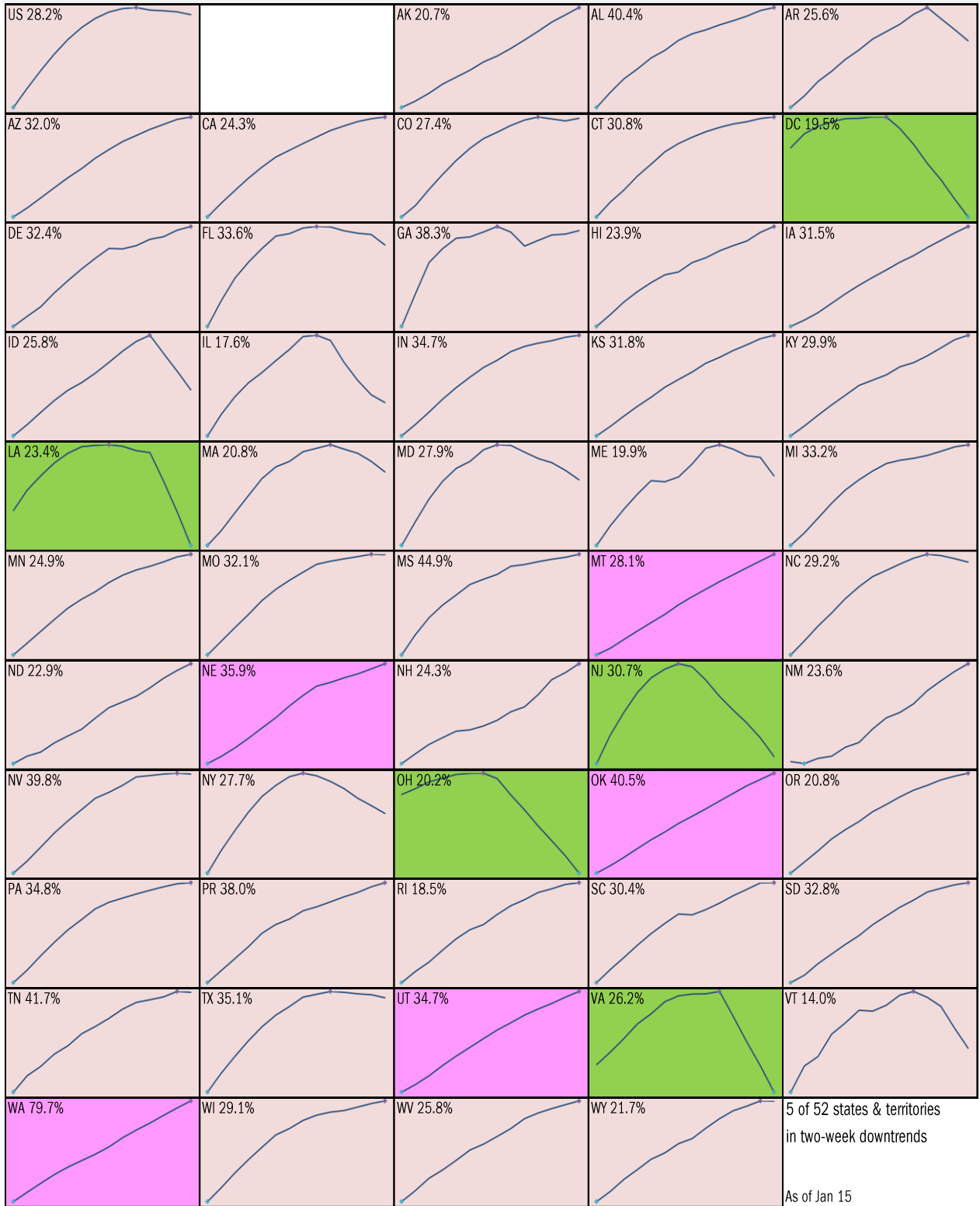
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

Alt requirement to [Open Up America Again](#): 14-day "downward trajectory" in pos tests

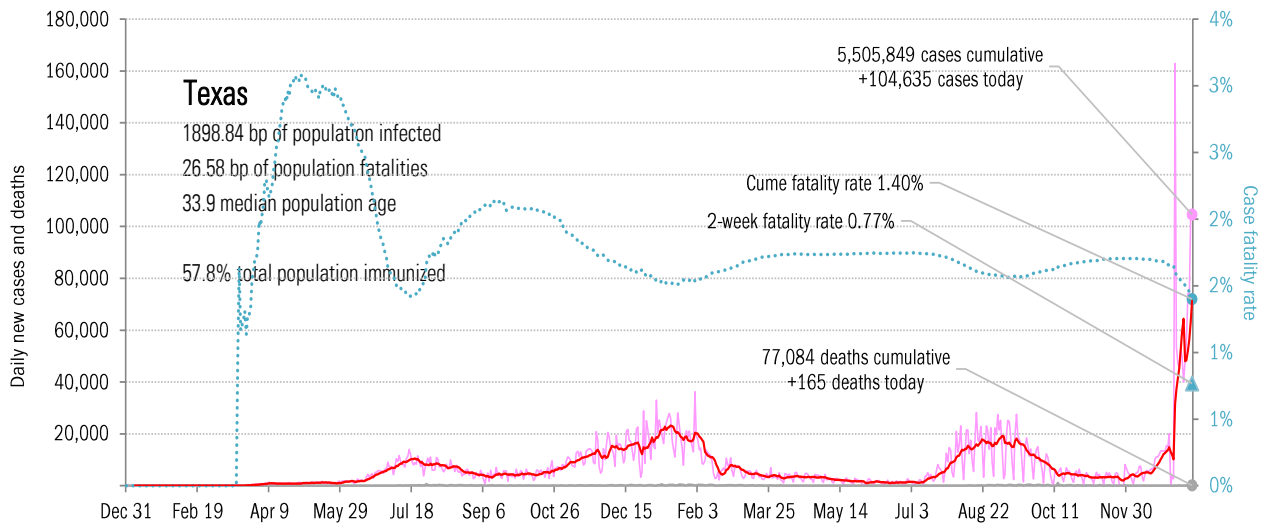
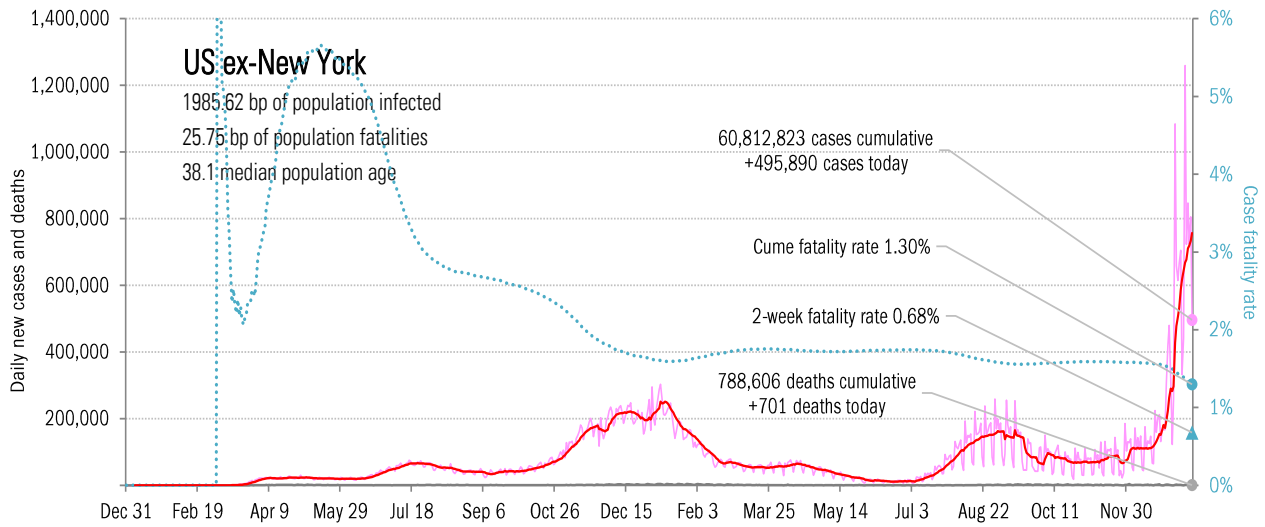
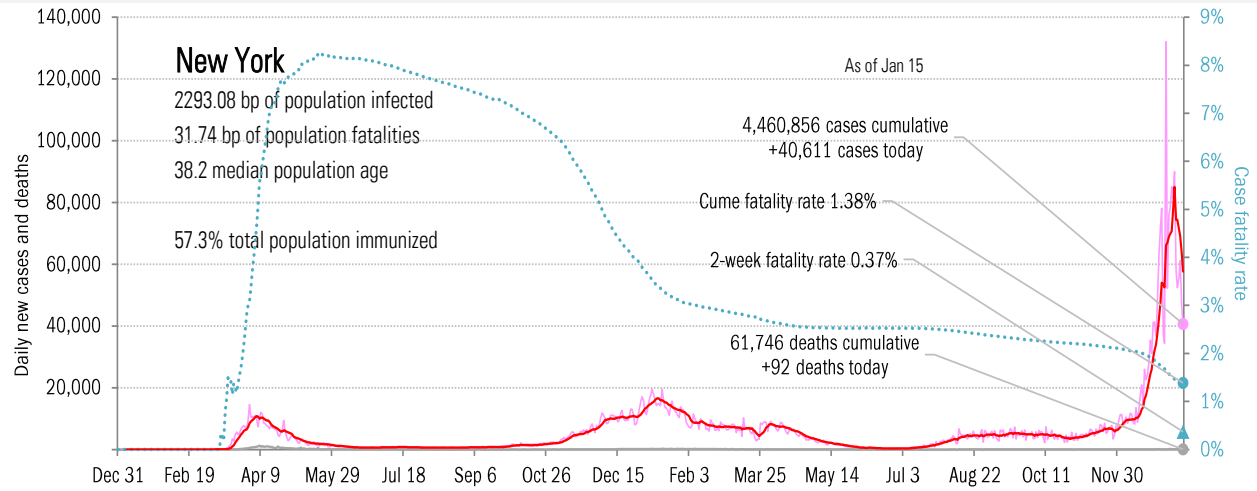
14-day moving average, last 14 days *Most recent value displayed* ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

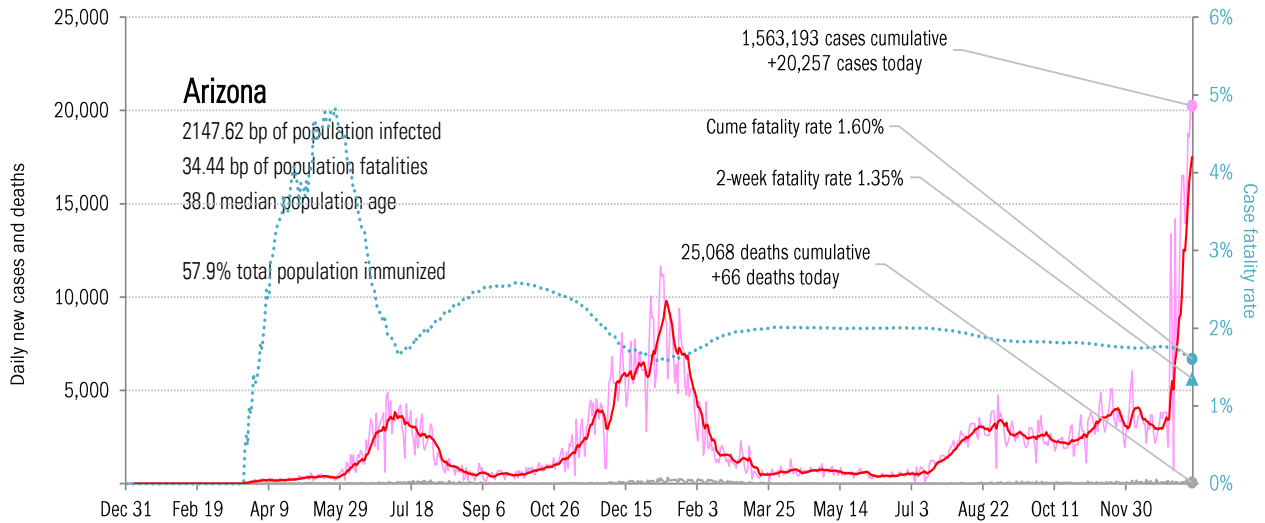
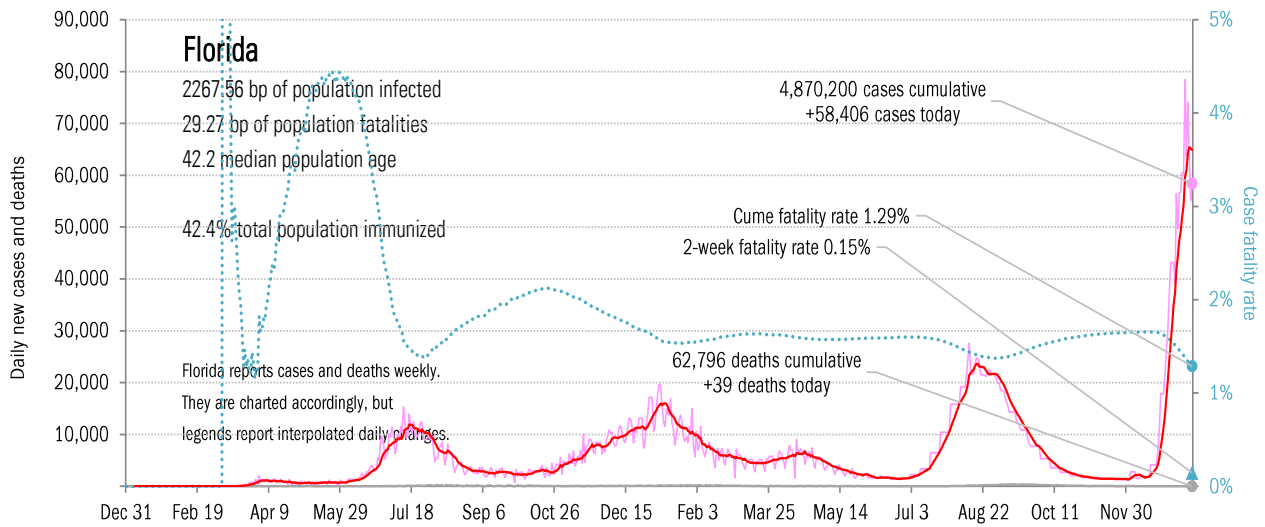
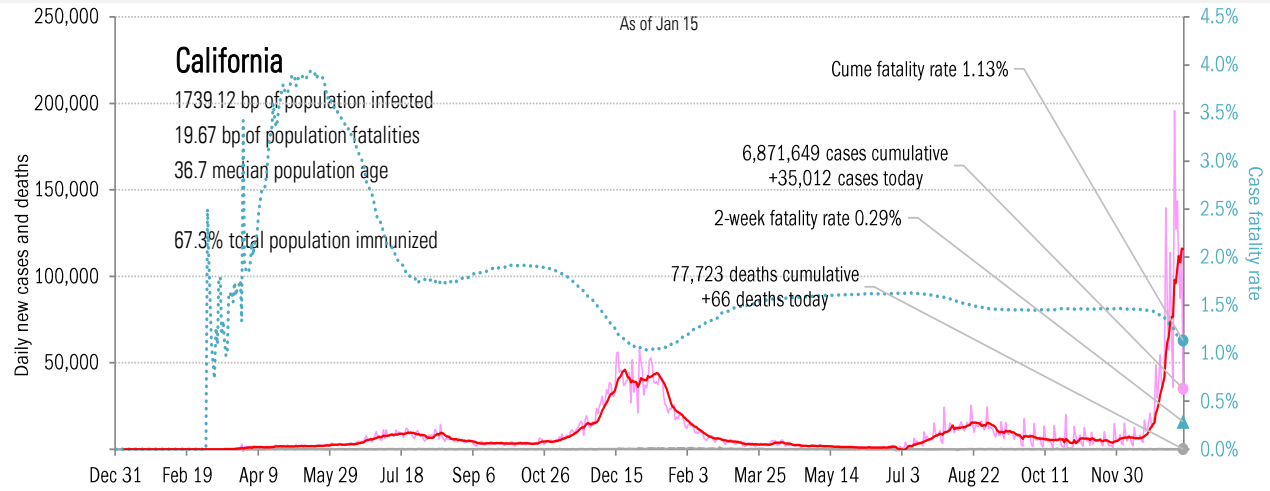
Cases: 7-day average and daily Deaths: Daily



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

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

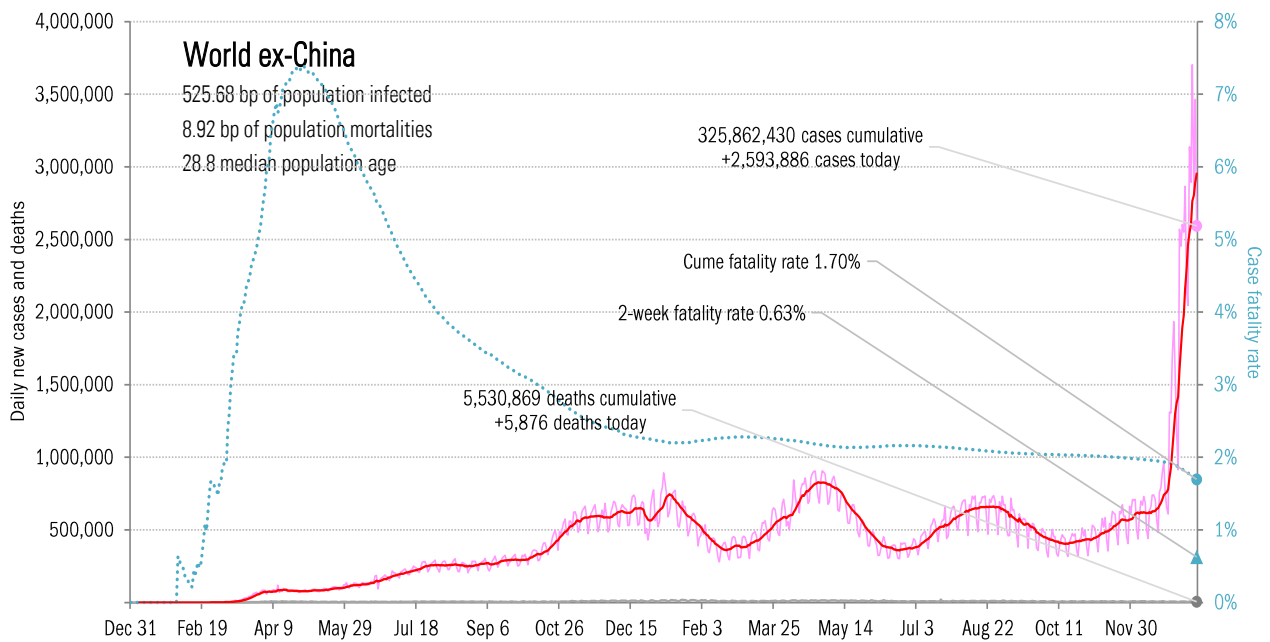
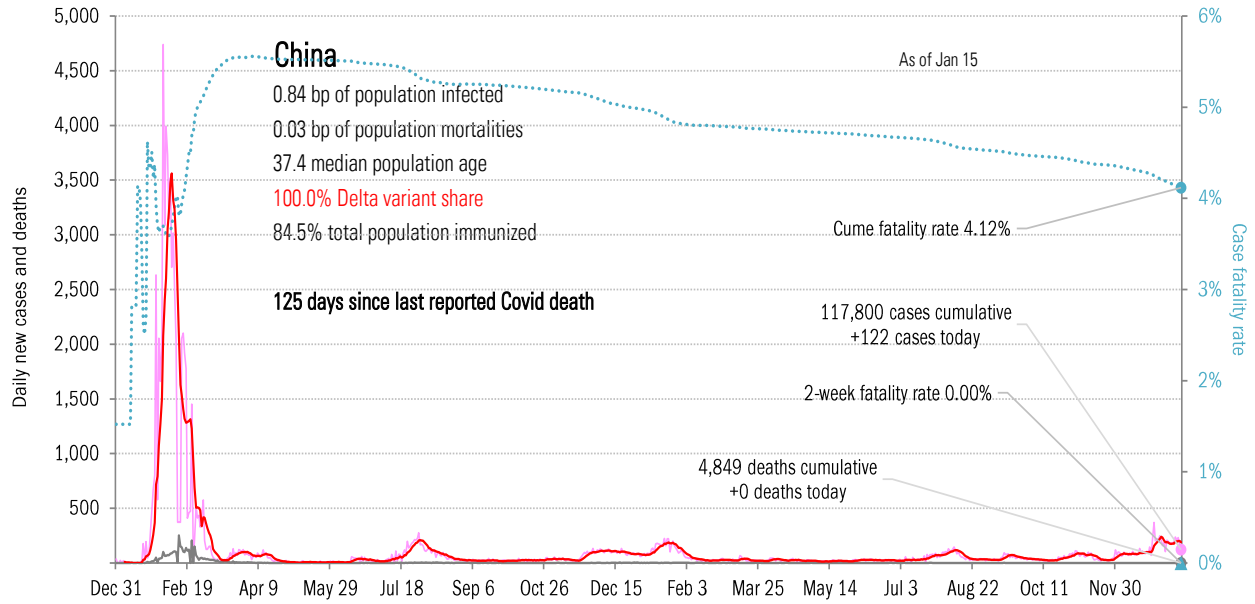
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

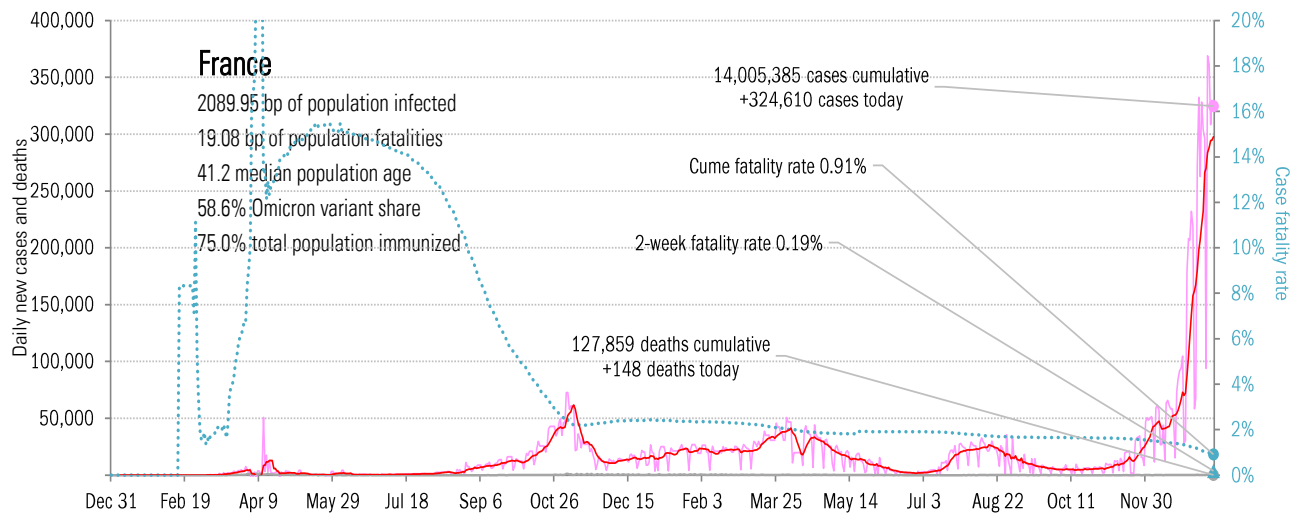
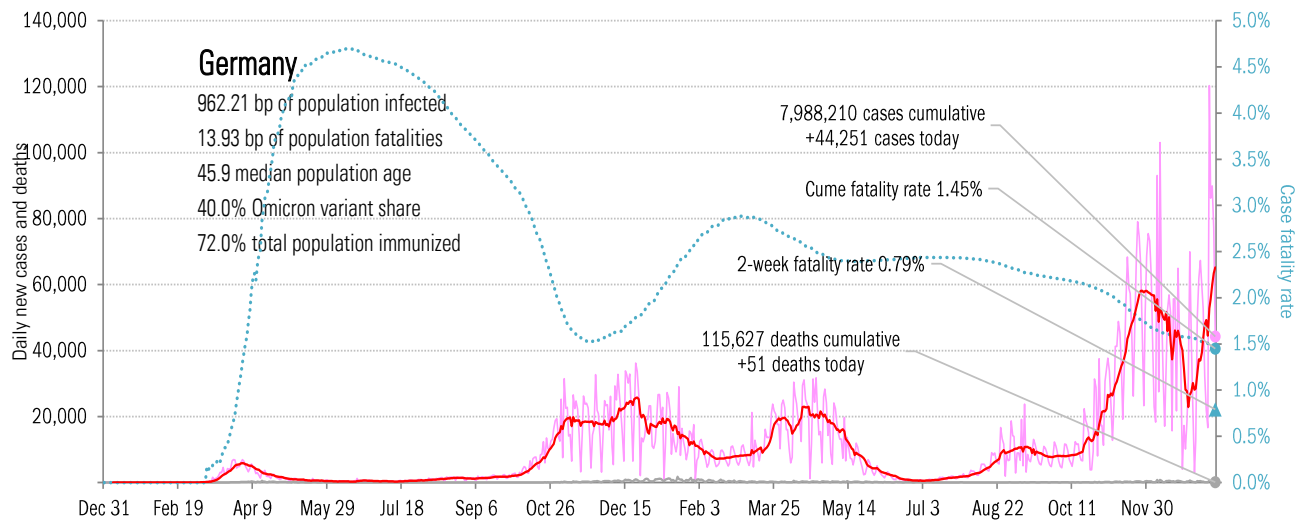
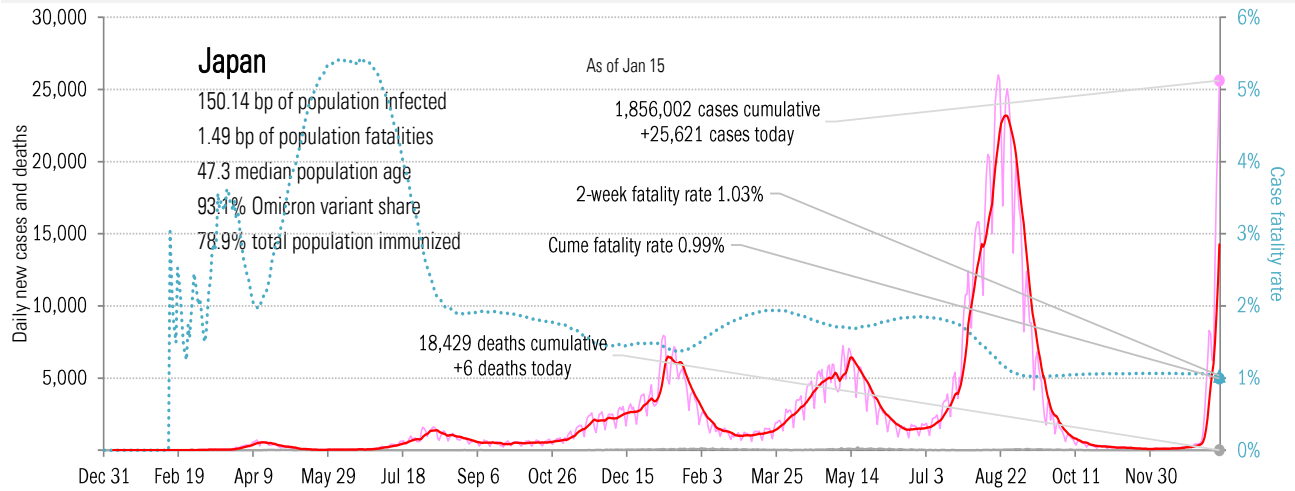
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

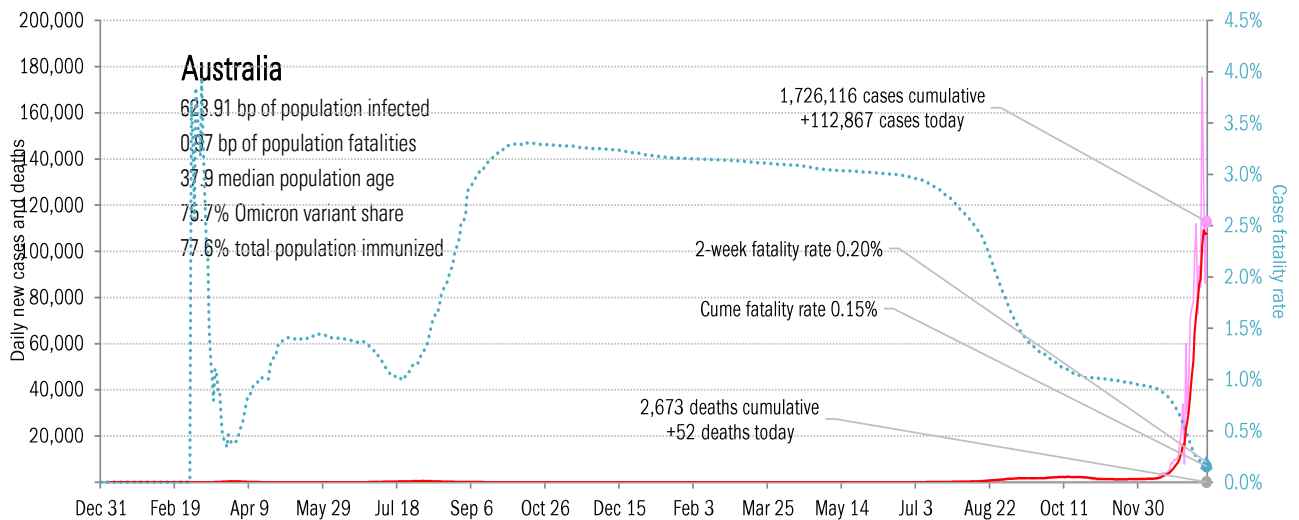
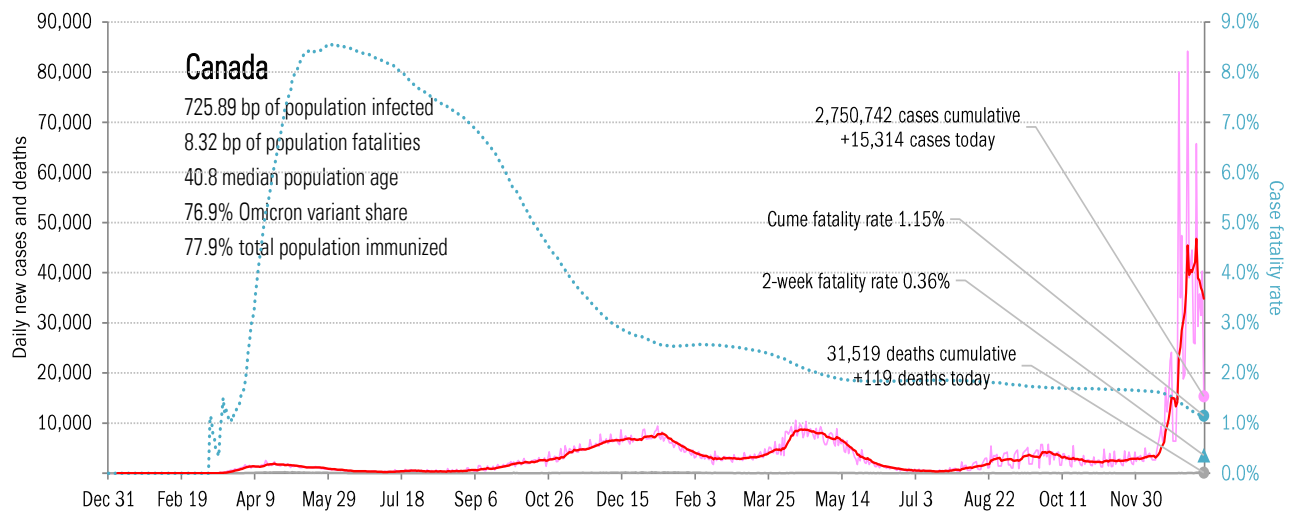
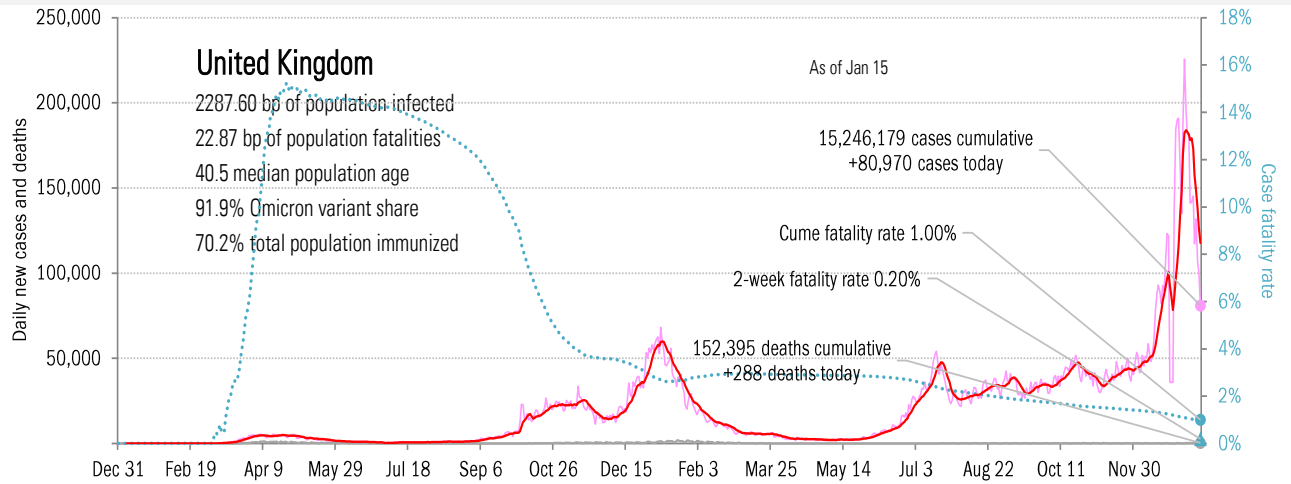


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations



# Impact in The Anglosphere

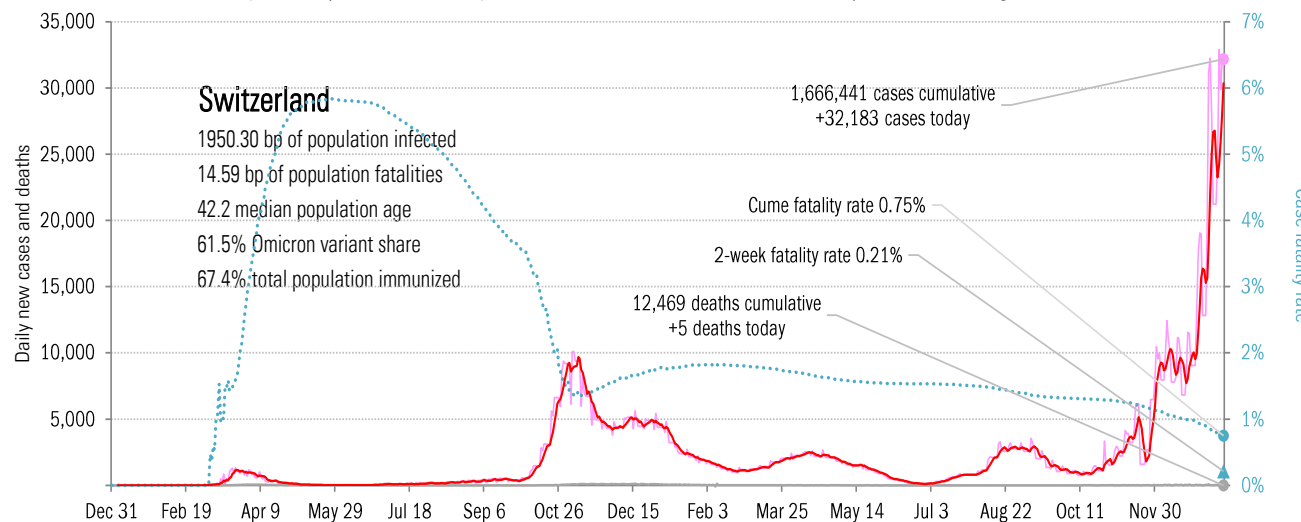
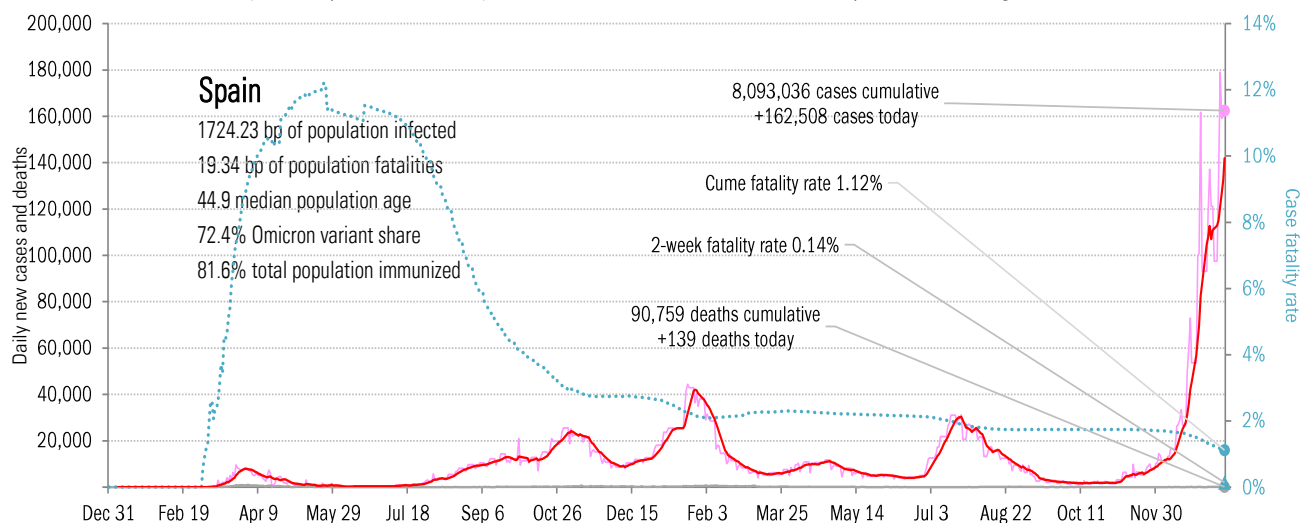
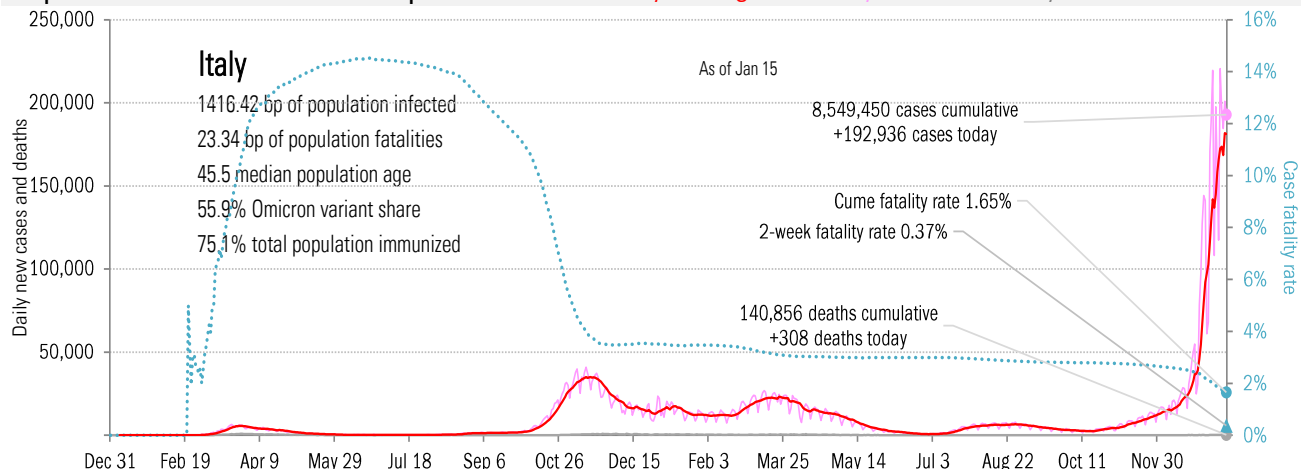
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

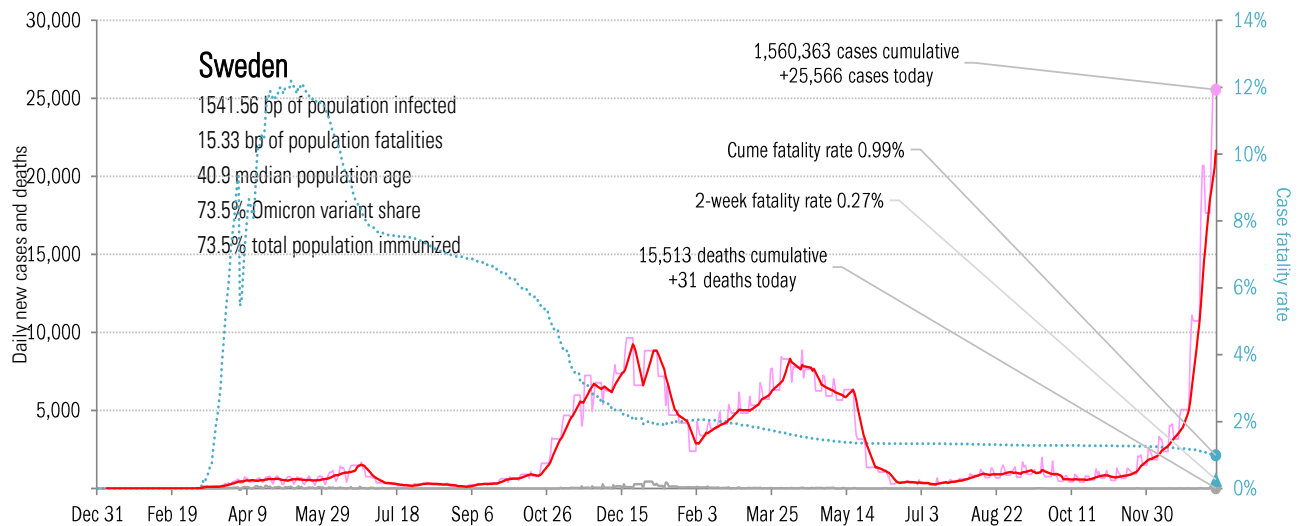
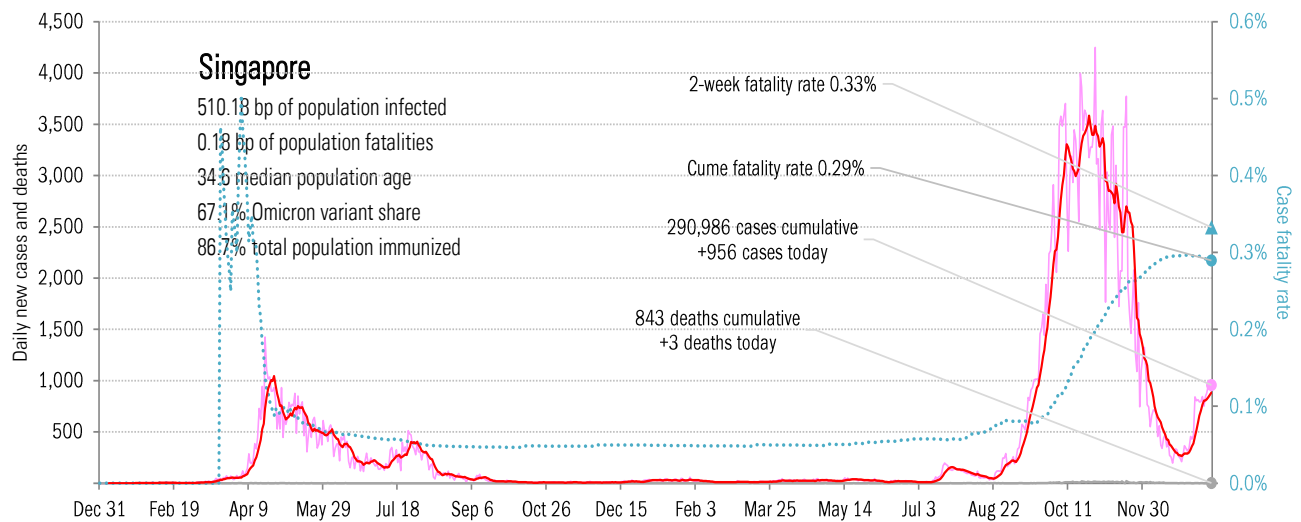
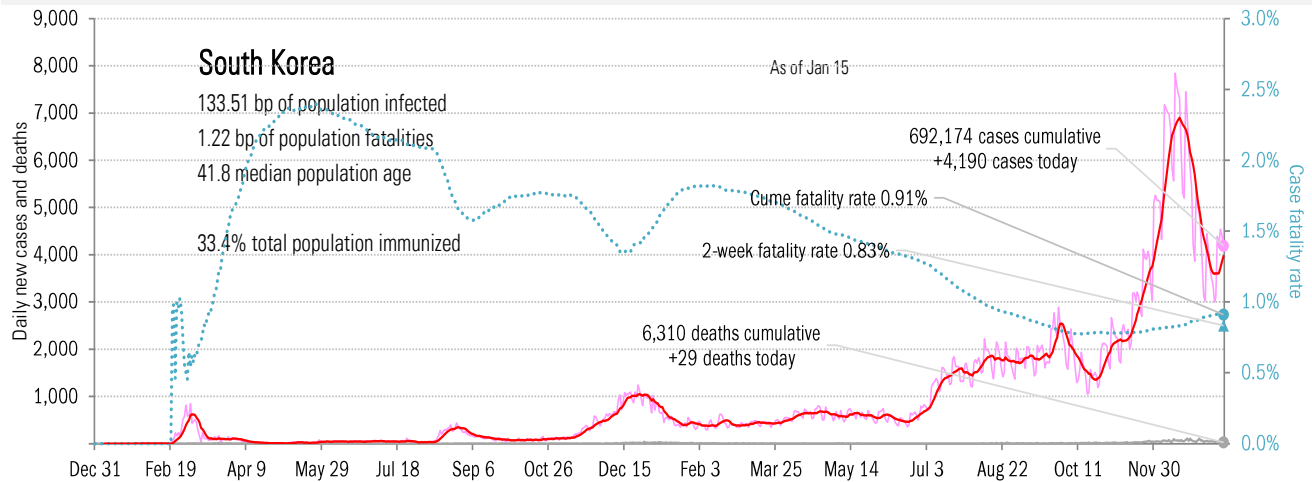
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

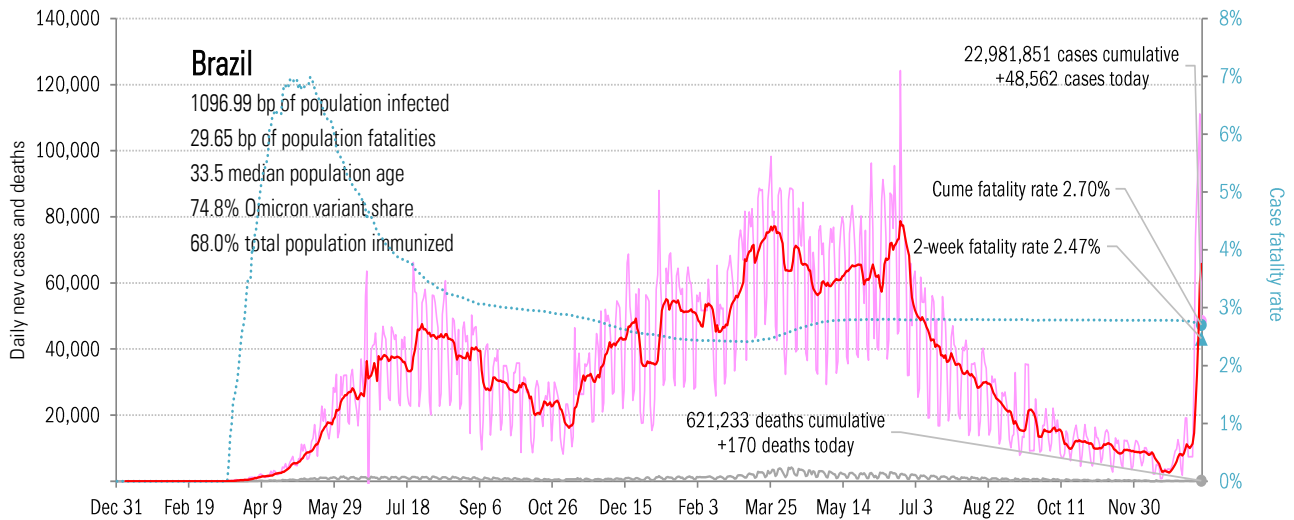
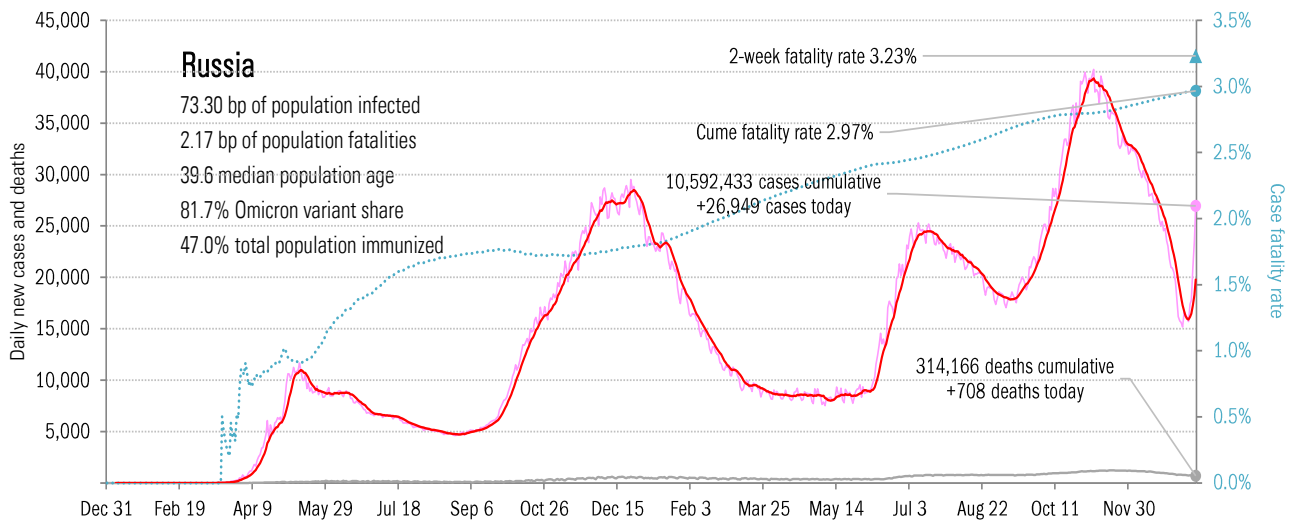
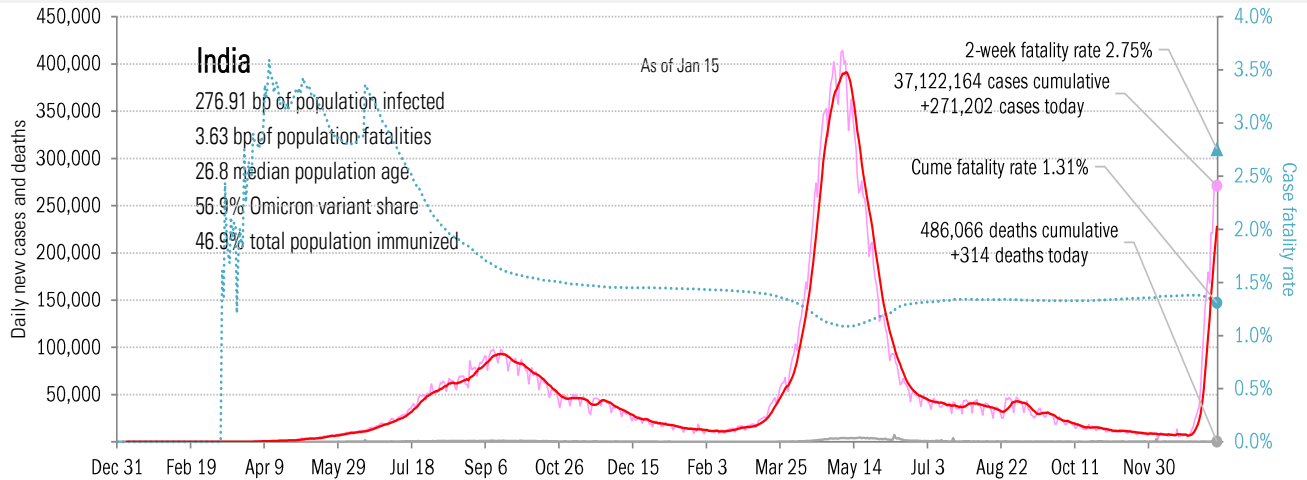
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

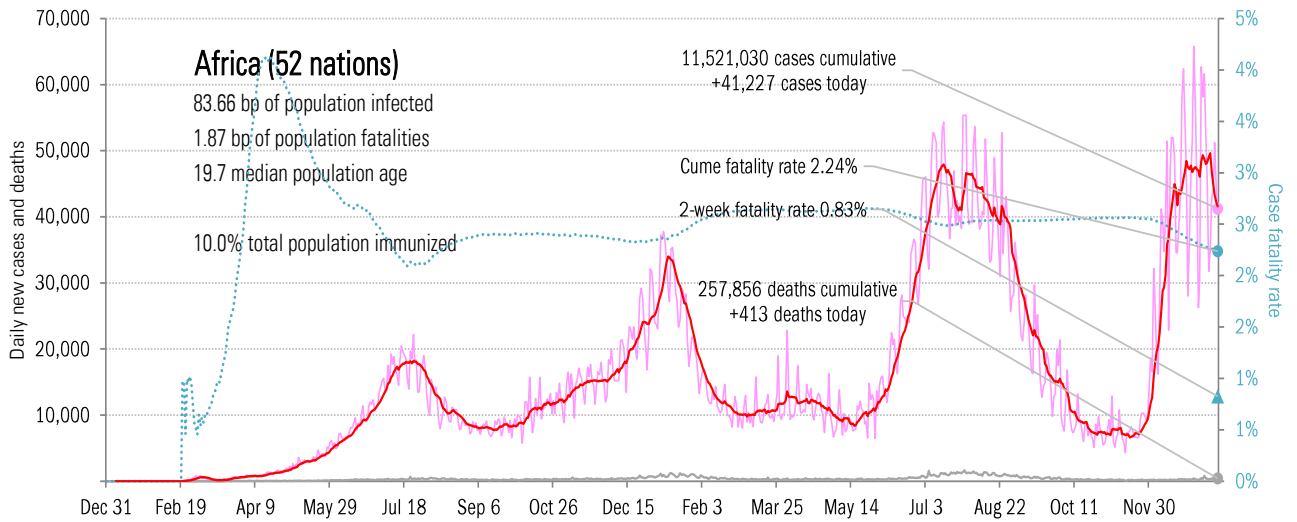
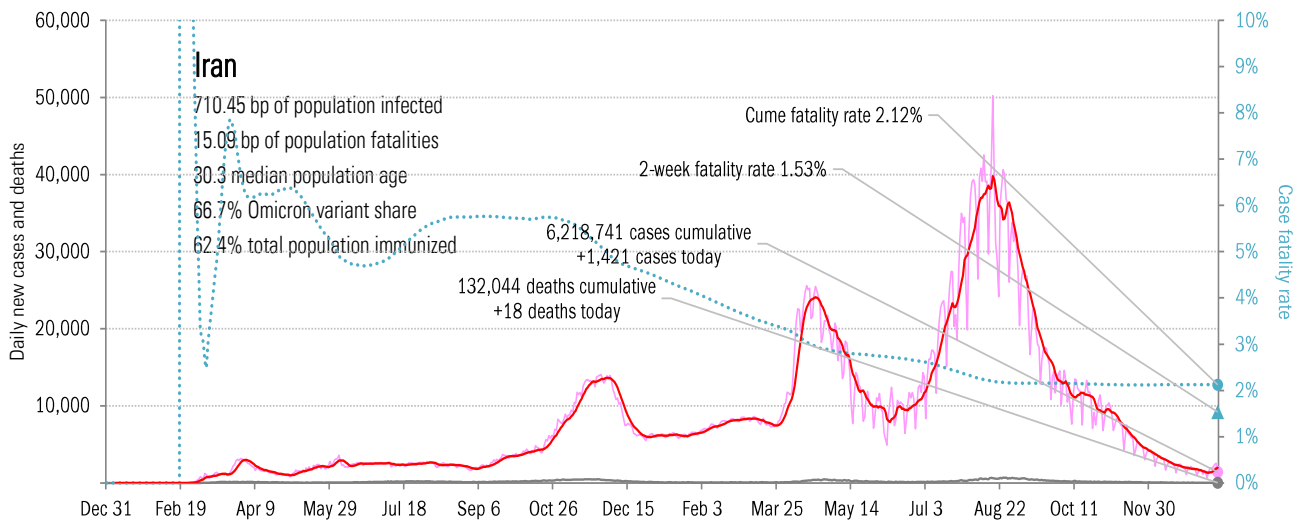
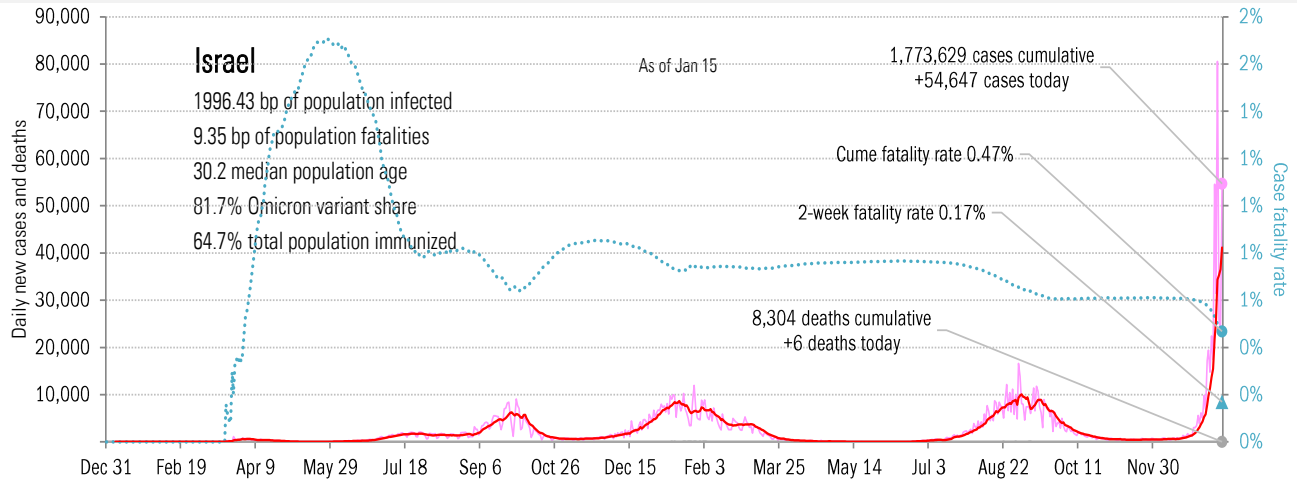
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

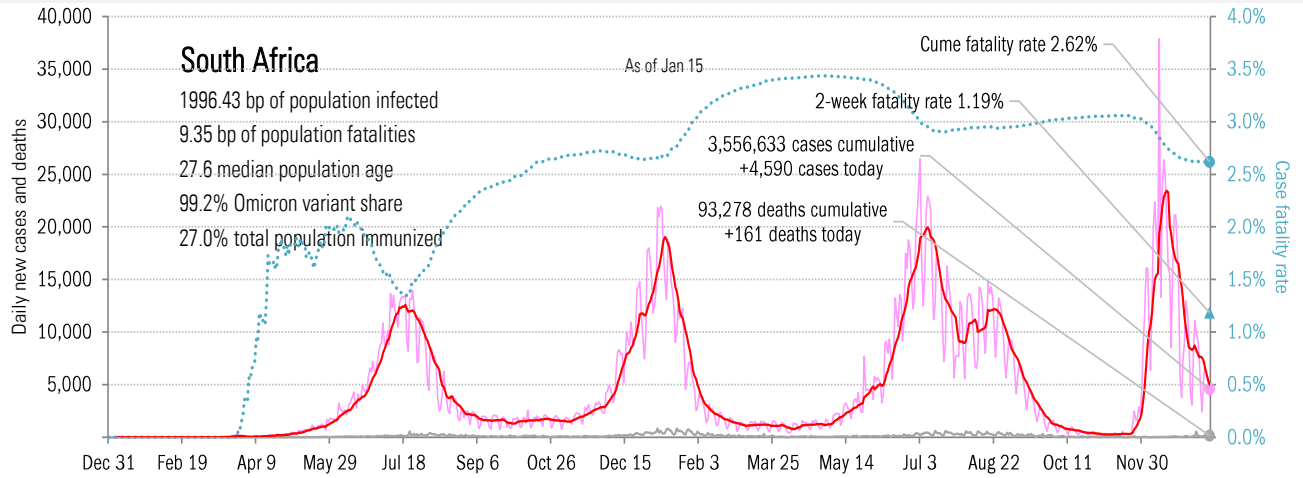
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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