

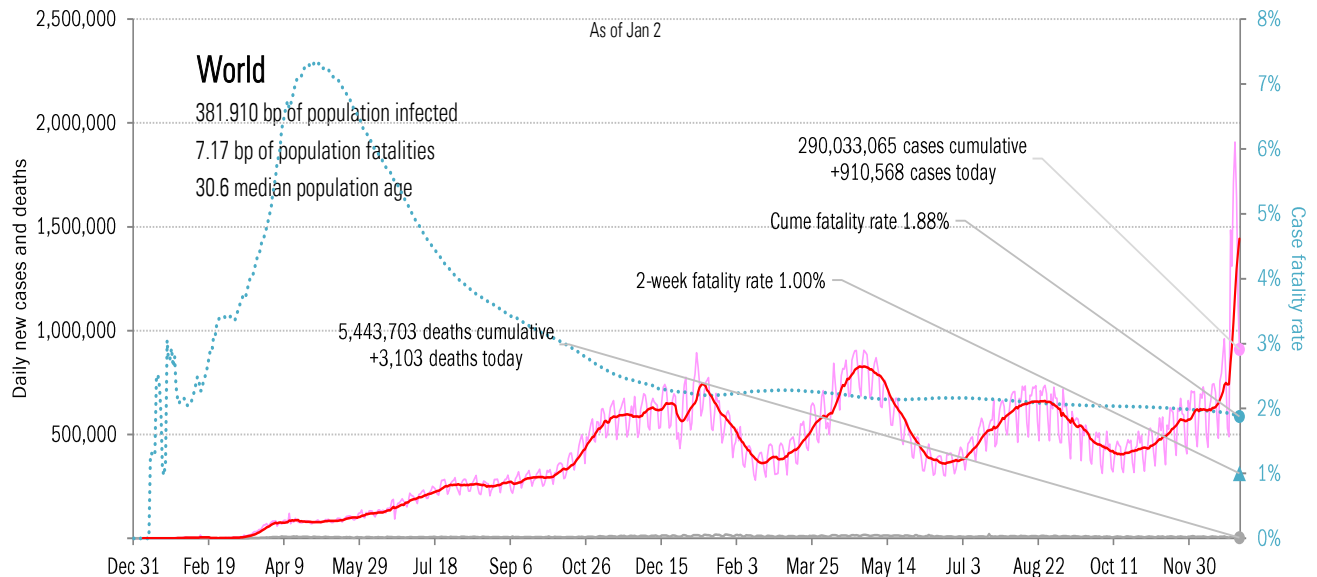
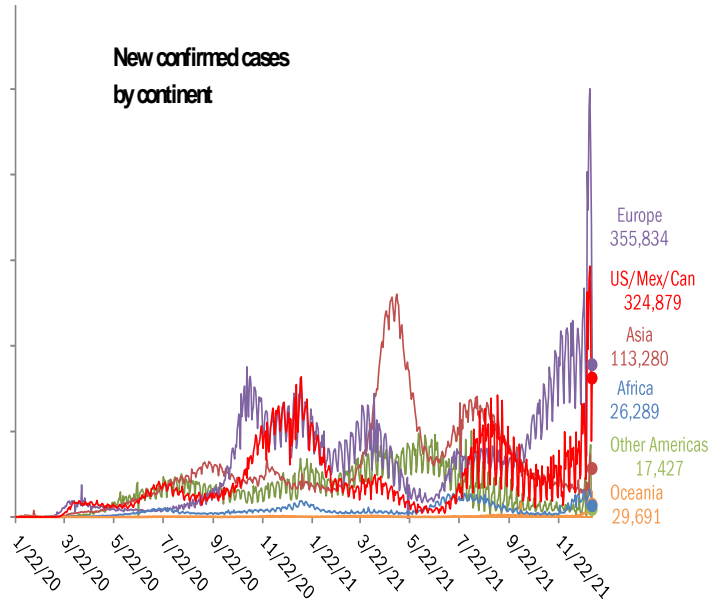
## Data Insights: Covid-2019 Monitor

Monday, January 3, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	297,259	Russia	788
United Kingdom	135,123	United States	266
Italy	61,137	Vietnam	221
France	58,432	Italy	133
India	33,750	Turkey	129
Turkey	33,520	India	123
Australia	29,608	Ukraine	121
Argentina	20,502	Mexico	97
Netherlands	18,436	France	91
Canada	18,427	United Kingdom	73
<b>706,194</b>		<b>2,042</b>	
World	910,568	World	3,103
Top ten	78%	Top ten	66%



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

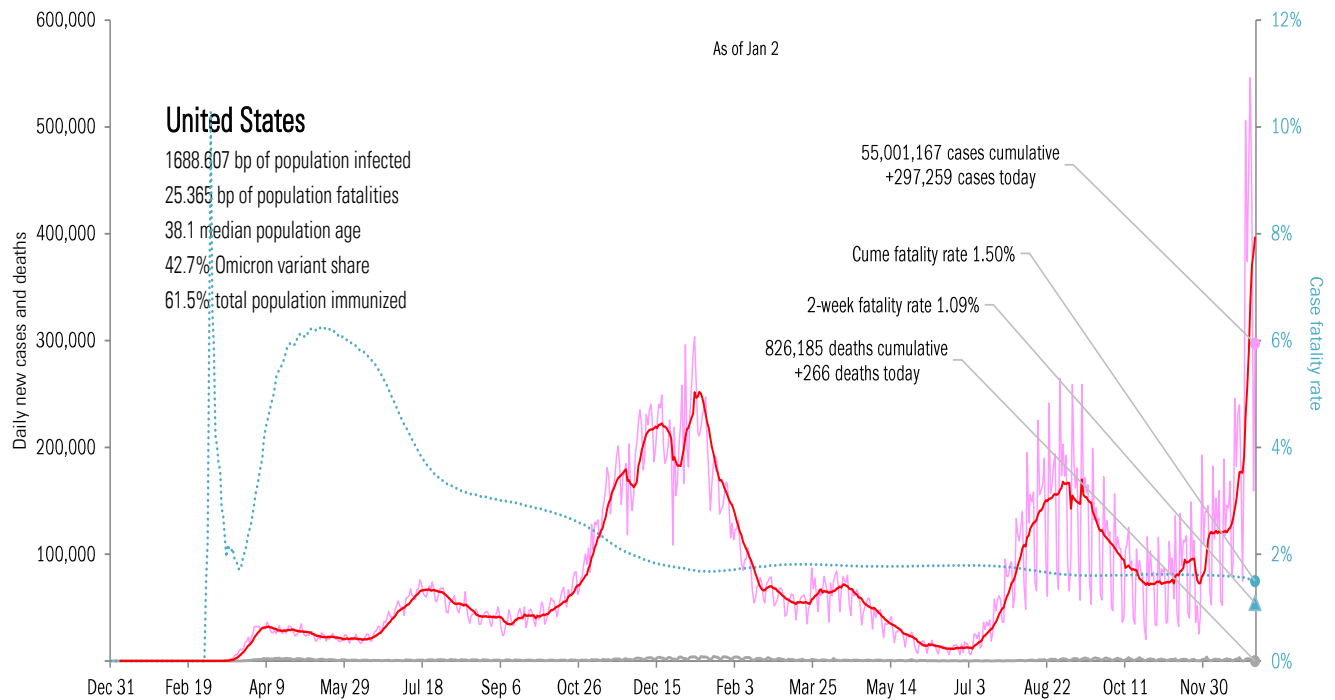
## The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	50,169		MD	112		FL	689		CA	5,565,419		CA	76,523		TX	404,373		RI	85%	RI	92%
FL	43,168		NY	97		TX	615		TX	4,588,307		TX	75,744		FL	338,981		MN	84%	NM	92%
CH	37,626		TN	69		CA	479		FL	4,097,037		FL	62,629		CA	337,386		MD	83%	IN	89%
MD	36,646		FL	22		NJ	345		NY	3,552,059		NY	59,682		NY	194,794		MA	83%	KY	87%
NY	34,363		AR	16		GA	343		IL	2,149,548		PA	36,715		GA	171,988		WA	83%	TX	87%
NJ	26,452		MO	6		NY	324		PA	2,077,224		GA	31,443		CH	156,846		WV	83%	CK	86%
FR	19,938		CA	3		CH	268		CH	2,053,721		IL	30,254		PA	144,699		GA	82%	MO	86%
PA	17,611		MP	3		IL	209		GA	1,839,879		CH	29,447		IL	127,849		PA	81%	NH	85%
AL	12,927		NJ	3		MD	172		MI	1,710,325		NJ	29,056		KY	120,865		MO	81%	NE	85%
MO	5,921		FR	2		PA	153		NC	1,686,667		MI	29,020		MI	118,565		CT	81%	NV	84%
284,821			333			3,597			29,320,186			460,513			2,116,346						
All states 297,259			266			5,406			All states 55,001,167			826,185			3,822,798			All states 70%		67%	
Top ten 96%			125%			67%			Top ten 53%			56%			55%			Median 74%		80%	

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AZ	-7,519	AZ	-124	NC	-247	PA	+20 bp
NJ	-5,939	FL	-81	NY	-45	RI	+20 bp
PA	-5,578	AR	-16	CK	-17	FR	+20 bp
NY	-3,053	NJ	-13	ID	-12	LA	+10 bp
AR	-1,974	CH	-13	IA	-11	GA	+10 bp

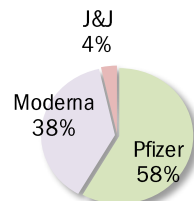


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Because of the New Years Day holiday, the CDC did not update its vaccine database.

Administered	Cumulative	Partial						
Doses	520,901,960	73.4%						
Boosters	69,843,701	75.9%						
		78.2%						
One dose	% Pop	Immune	% pop	New immune today	France	81.0%	84.8%	
Total population	249,513,525	75%	210,949,398	63%	+0.175 million	Spain	70.5%	73.5%
Age 12 to 17	15,176,486	64%	12,765,868	54%	+0.015 million	Germany	74.1%	80.1%
Age 18 to 64	168,874,428	83%	143,479,478	71%	+0.074 million	Australia	63.7%	70.6%
Age 65 and over	57,700,736	100%	49,630,282	91%	+0.007 million	Israel	77.2%	83.3%
						Canada	78.3%	79.7%
						Japan	9.1%	14.1%
						Africa	42.7%	60.5%
						India	67.0%	77.7%
						Brazil	83.6%	87.2%
						China		



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

Every American >18 immunized in **581 days** by Aug 2, 2023  
 74.8% of population >18 immunized  
 19.1% previously tested positive  
**93.9%** vs 60% adult herd immunity

Country	Partial	Immune
France	73.2%	78.2%
Spain	81.0%	84.8%
Germany	70.5%	73.5%
Italy	74.1%	80.1%
Australia	76.6%	79.3%
Israel	63.7%	70.6%
Canada	77.2%	83.3%
Japan	78.3%	79.7%
Africa	9.1%	14.1%
India	42.7%	60.5%
Brazil	67.0%	77.7%
China	83.6%	87.2%

AK  
65.0%  
56.3%

WI  
68.2%  
62.0%

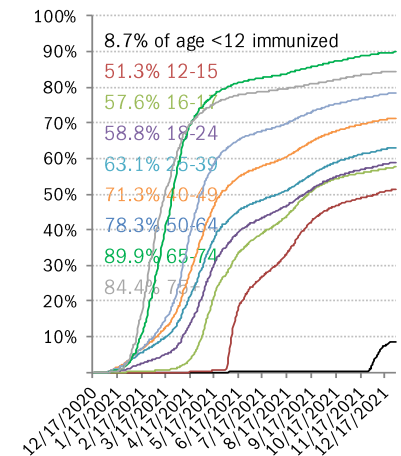
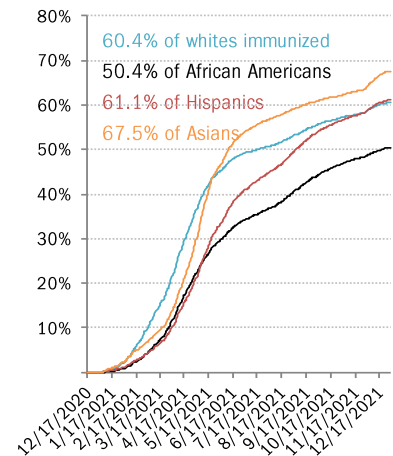
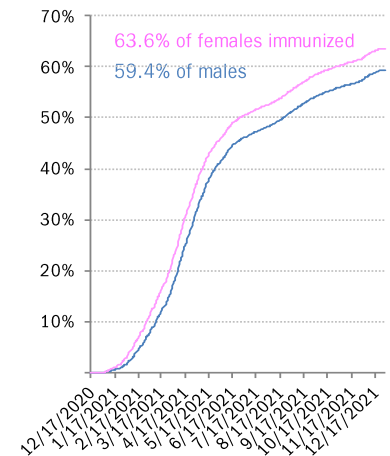
As of Dec 30

ME  
85.9%  
75.8%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
75.7%	52.1%	62.1%	62.2%	71.4%	72.0%	63.5%	84.0%	89.3%	95.0%	
67.9%	46.2%	54.0%	52.6%	65.4%	64.0%	56.8%	71.8%	77.4%	67.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
74.0%	69.5%	55.9%	70.9%	64.9%	57.9%	60.4%	78.2%	83.7%	90.6%	
66.5%	56.4%	47.5%	57.1%	59.0%	52.0%	55.2%	63.9%	70.5%	74.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.7%	67.4%	74.6%	66.4%	62.3%	62.5%	61.9%	79.0%	80.4%	88.6%	89.0%
66.1%	58.8%	66.2%	59.9%	53.0%	54.2%	55.1%	68.0%	70.4%	74.6%	76.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	67.3%	80.7%	69.3%	62.7%	58.7%	76.4%	62.8%	88.5%	76.7%	
	57.0%	66.2%	57.0%	51.2%	51.4%	56.7%	53.1%	67.6%	64.2%	
			OK	LA	MS	AL	GA			
			66.0%	57.4%	55.3%	58.5%	61.3%			
			53.5%	50.3%	48.1%	47.6%	51.1%			
			TX					FL		PR
			66.8%					74.5%		88.9%
			57.0%					63.4%		77.0%

HI  
88.2%  
63.6%

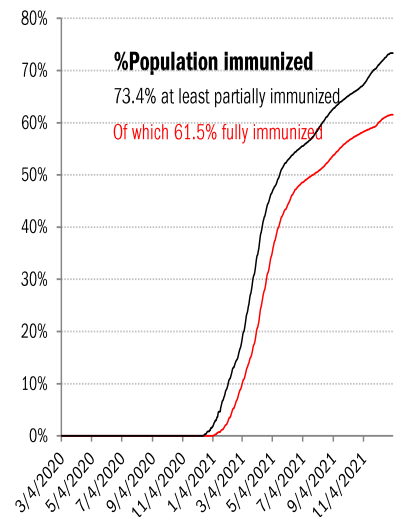
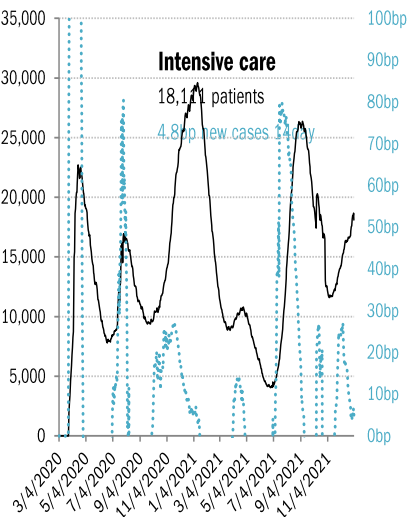
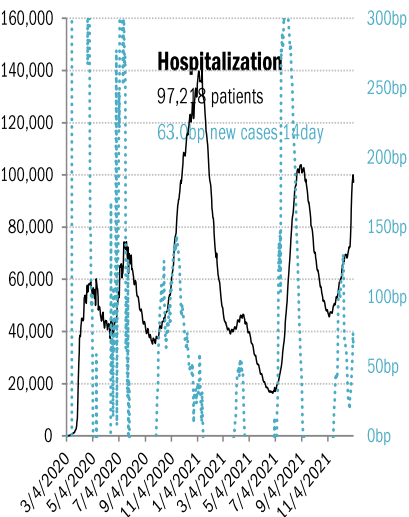
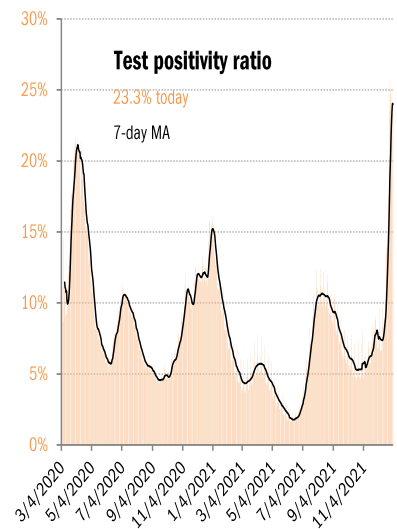
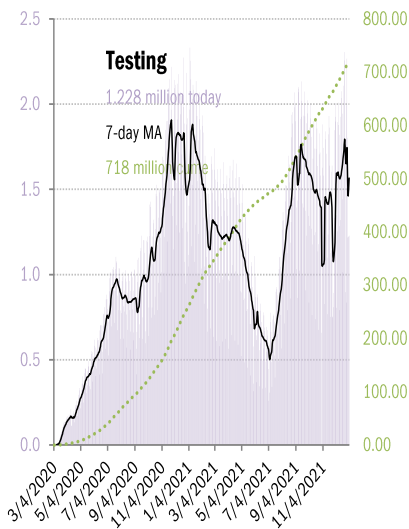
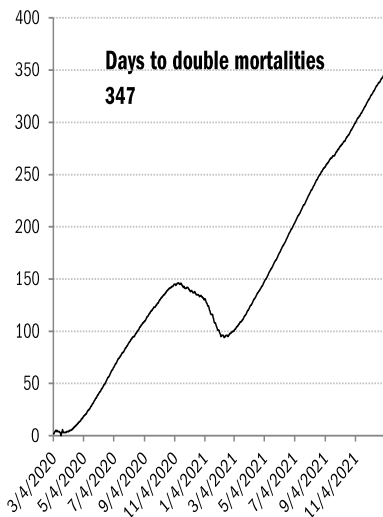
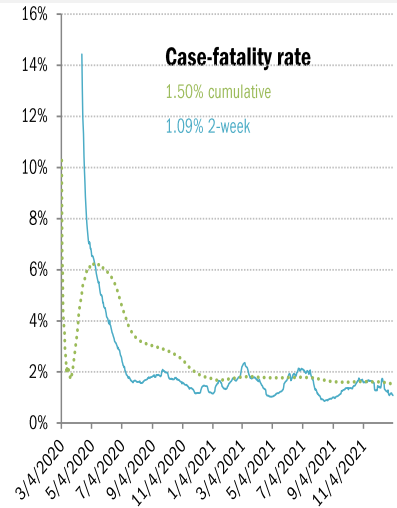
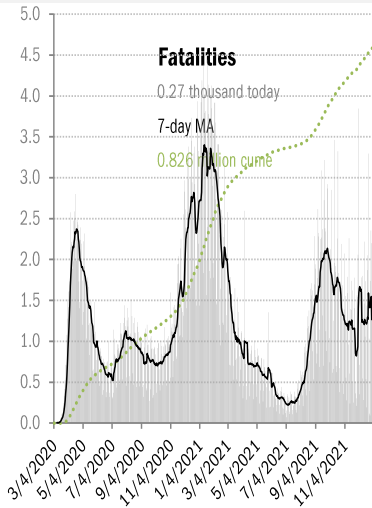
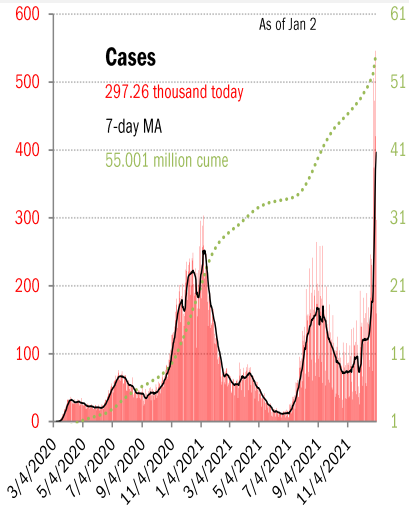
## The demographics of US vaccination



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

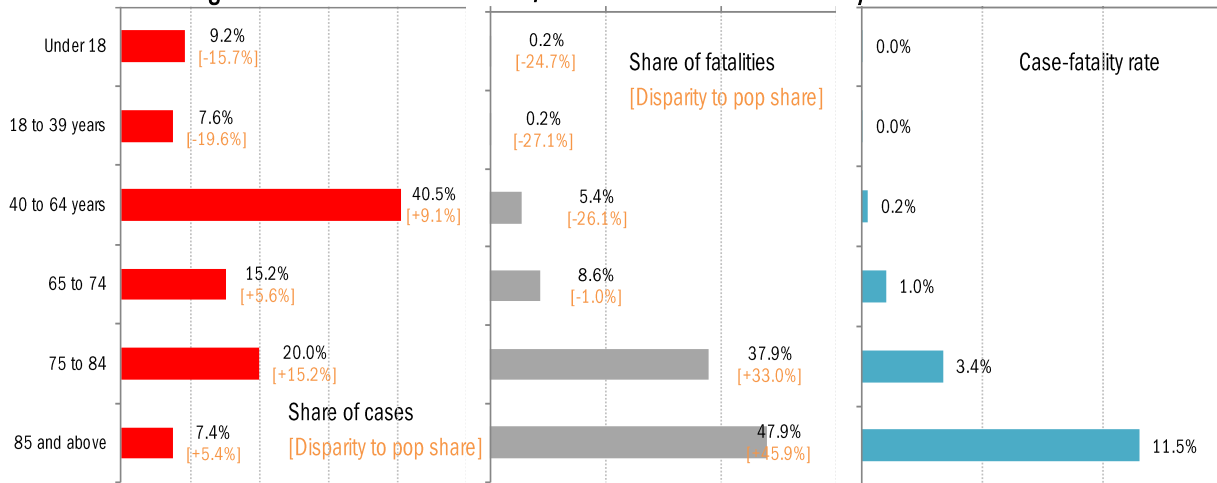
# US deep-dive

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

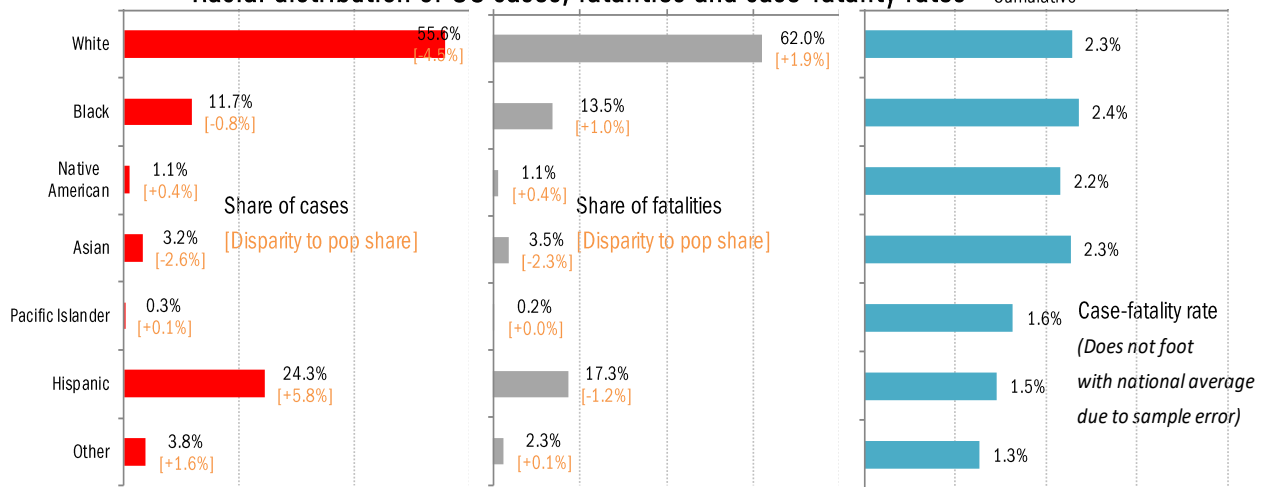


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

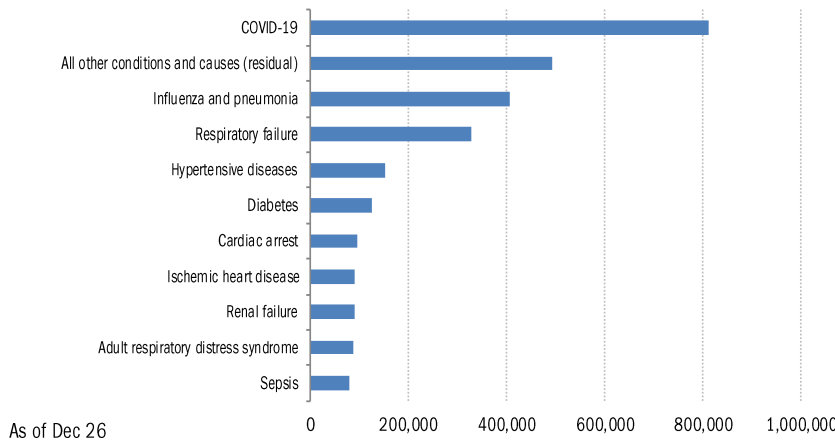


Racial distribution of US cases, fatalities and case-fatality rates



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

[Child Tax Credit's Extra Help Ends, Just as Covid Surges Anew](#)

Ben Casselman  
*New York Times*  
January 2, 2022

[Omicron Variant May End Up Saving Lives](#)

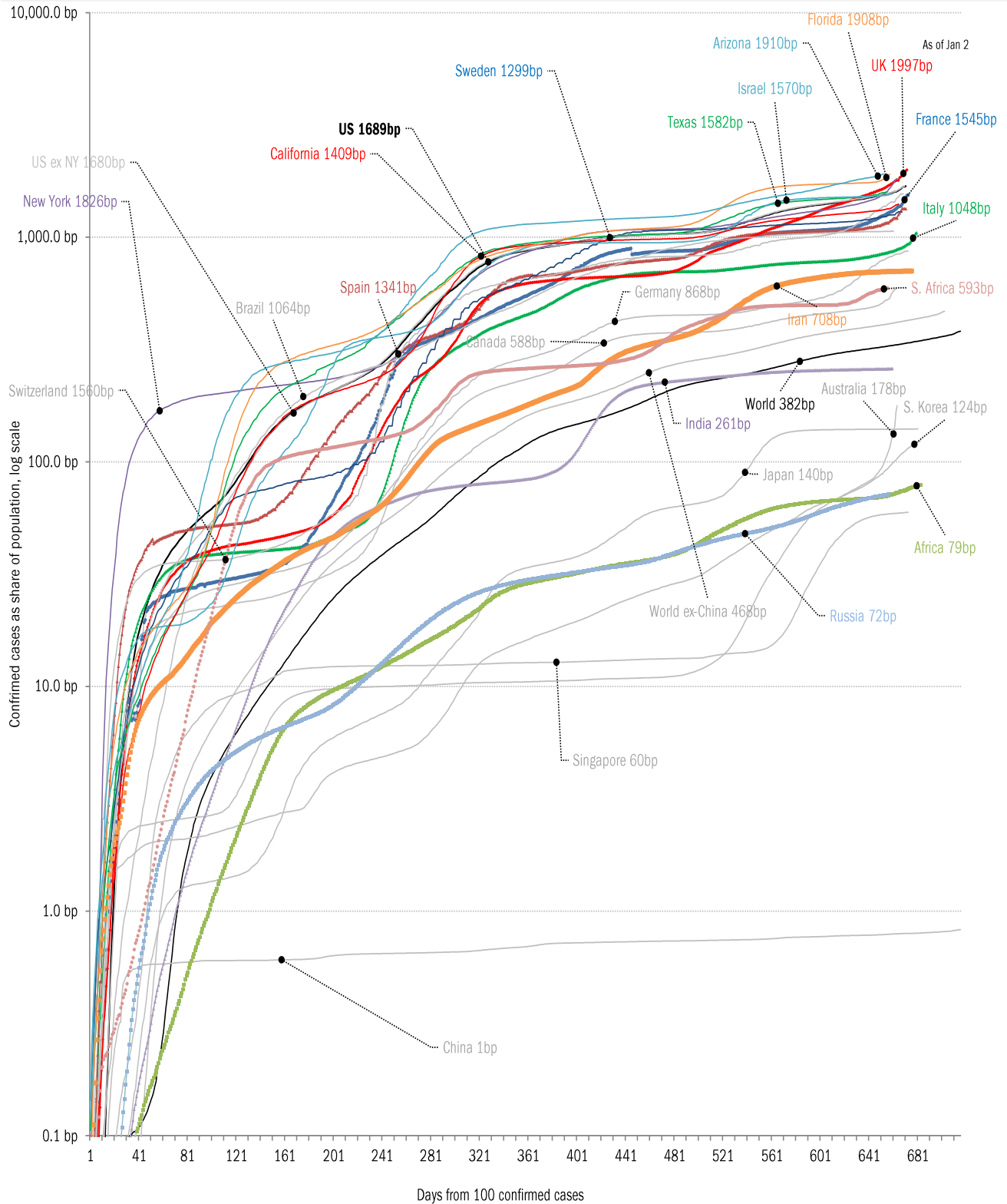
Rob Arnott  
*Wall Street Journal*  
January 2, 2022

## Meme of the day



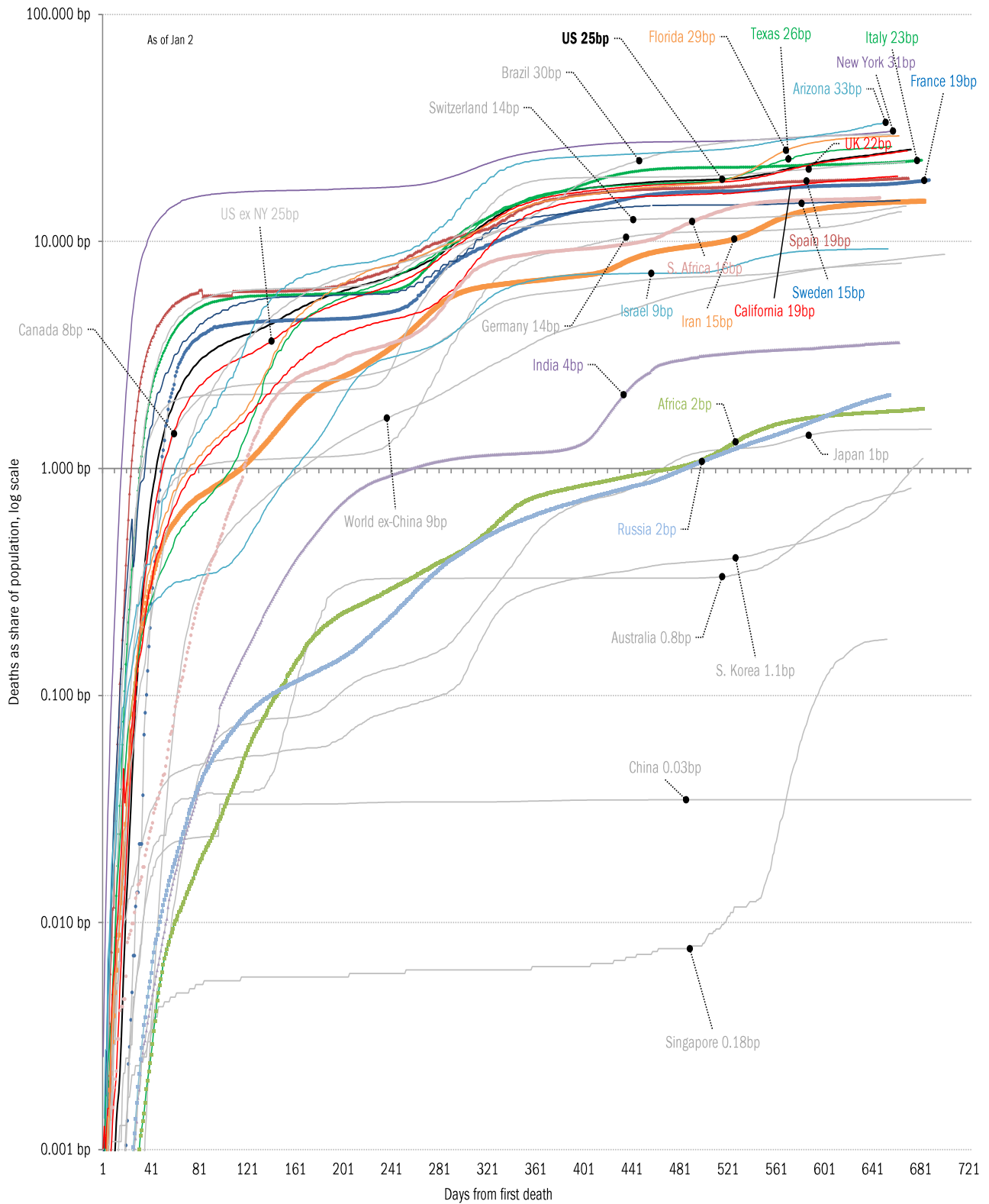
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



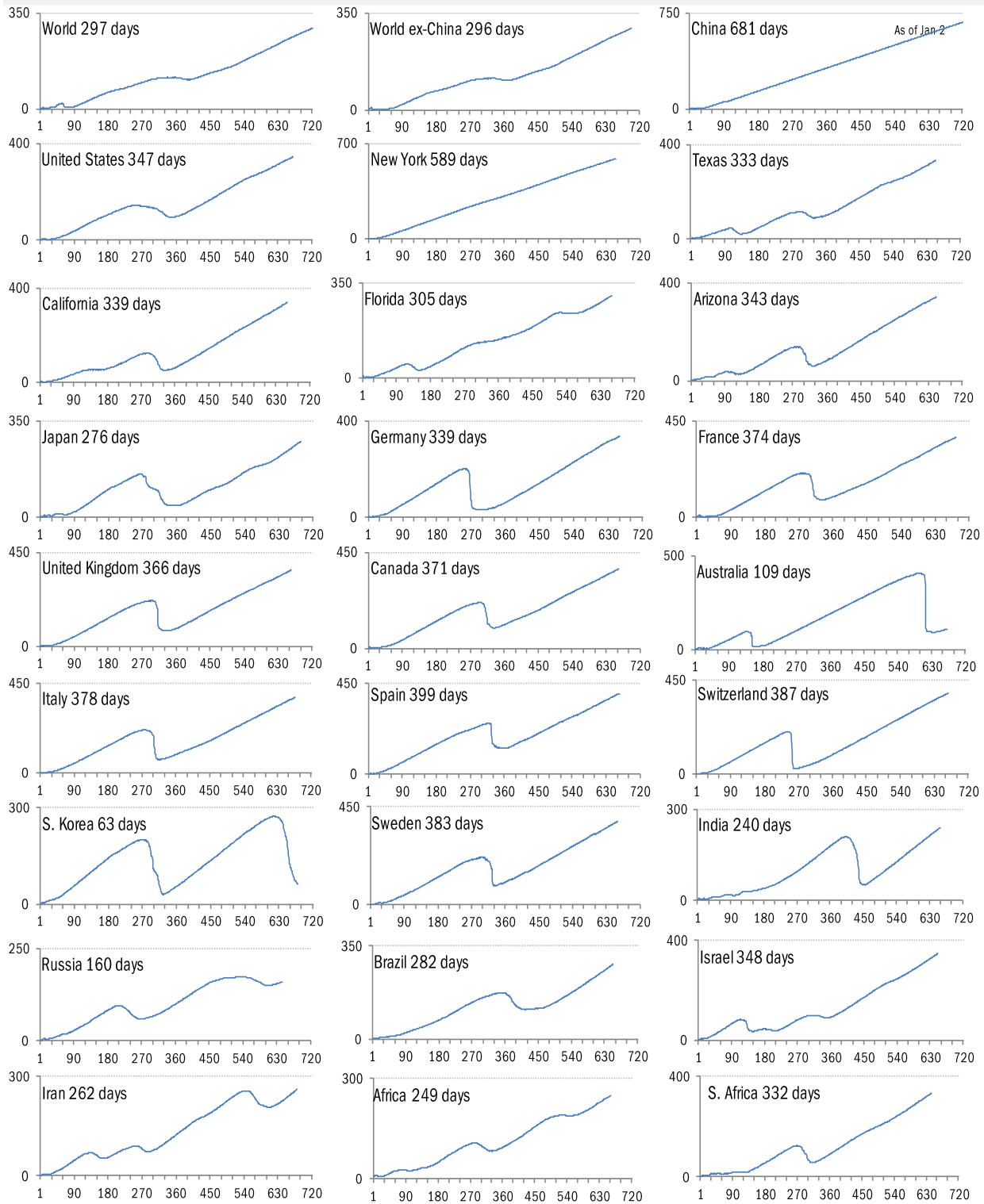
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

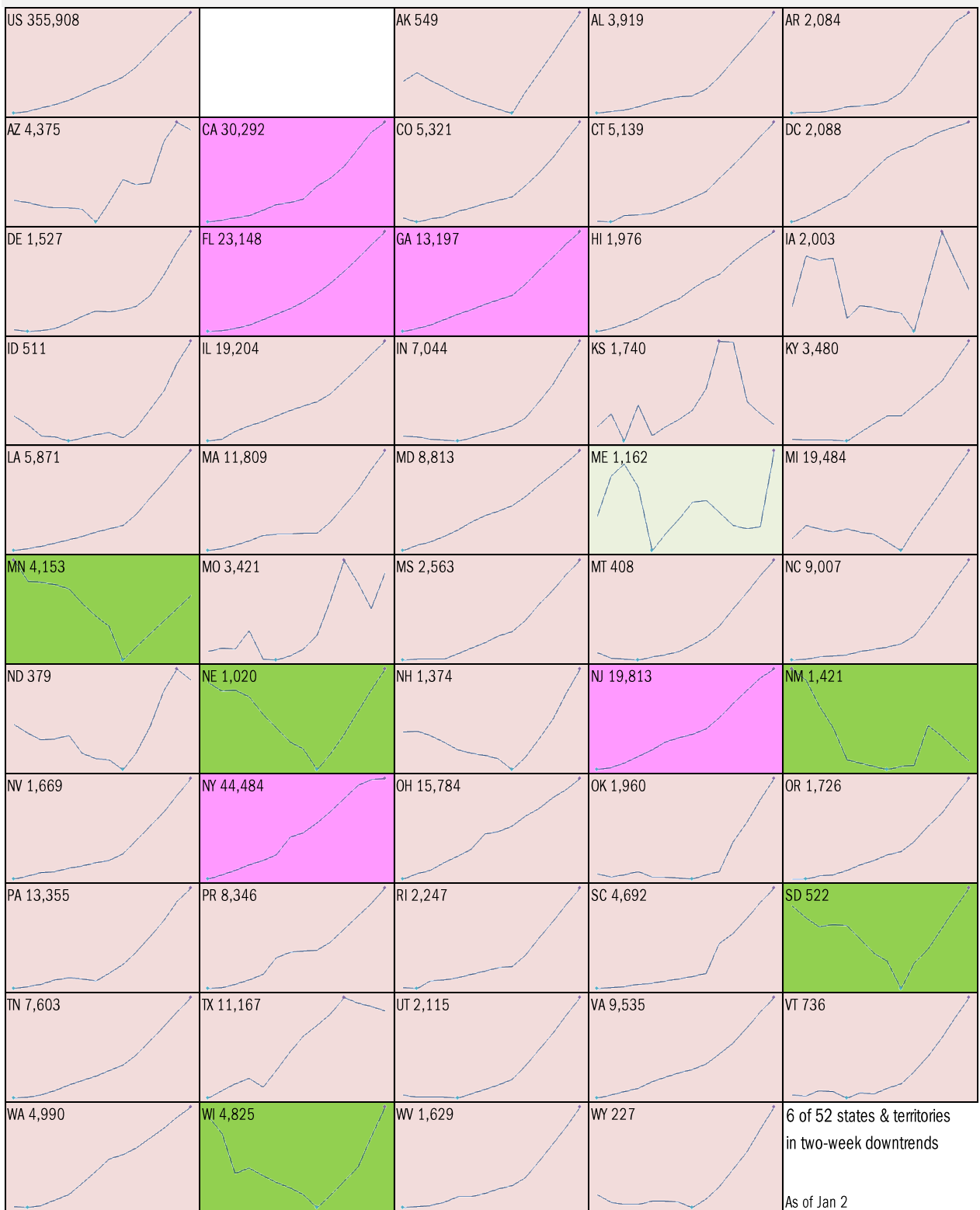


Source: [Johns Hopkins](#), TrendMacro calculations

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

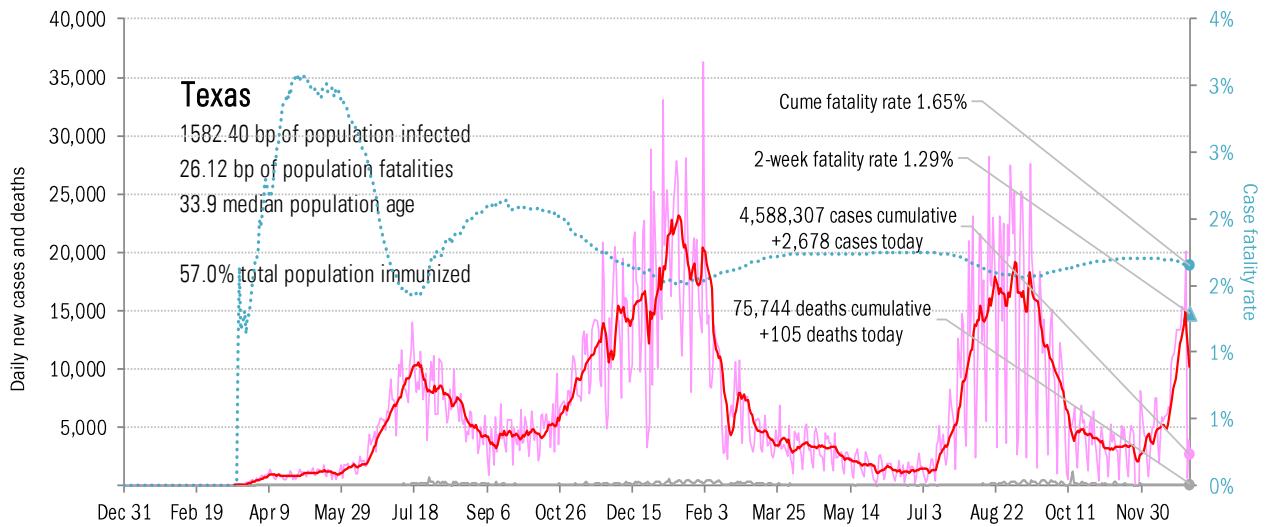
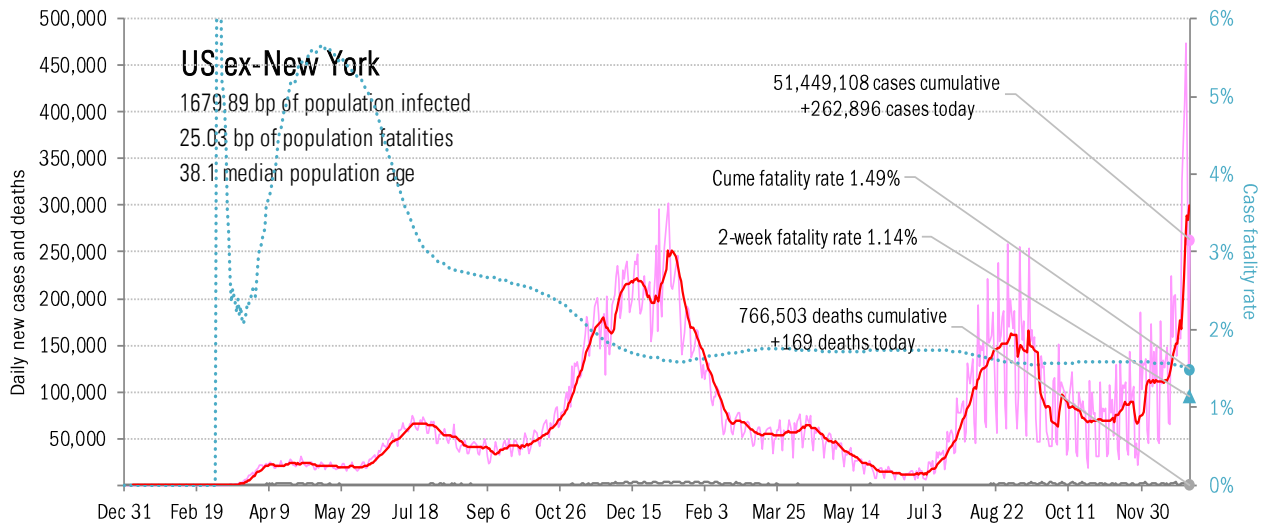
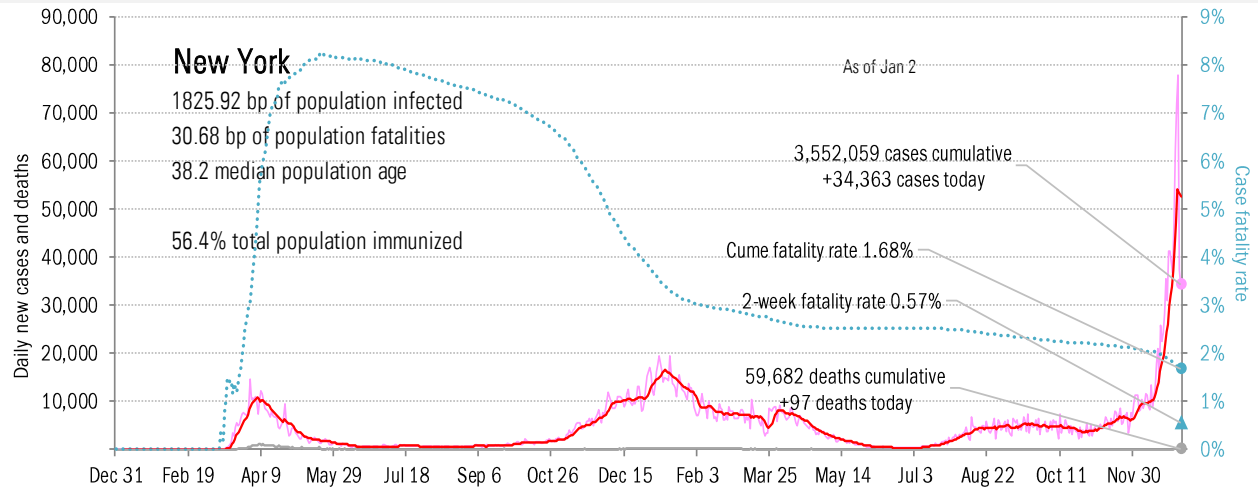
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

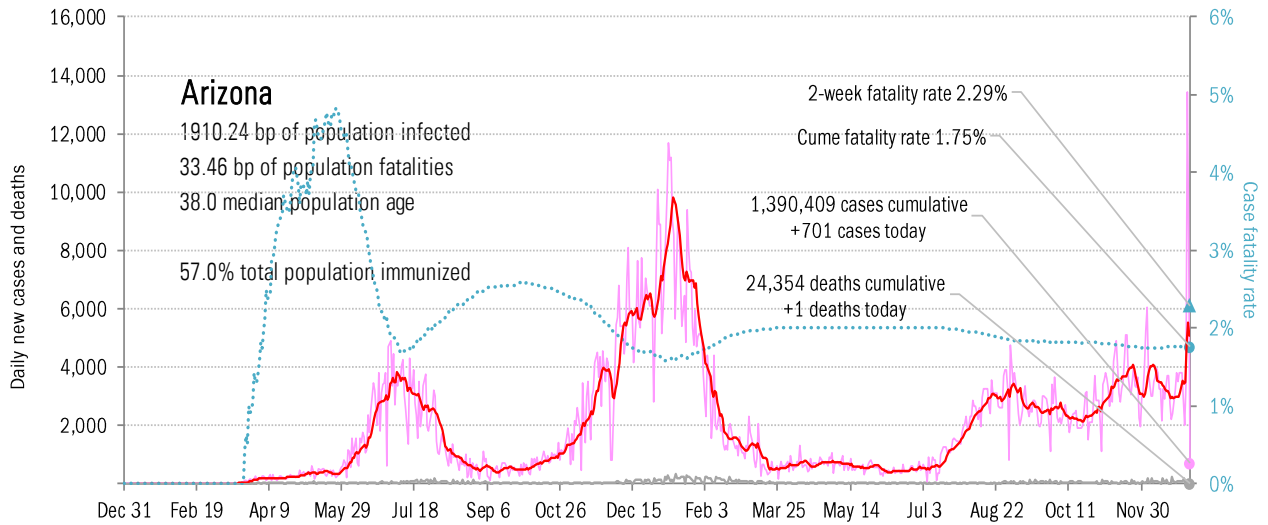
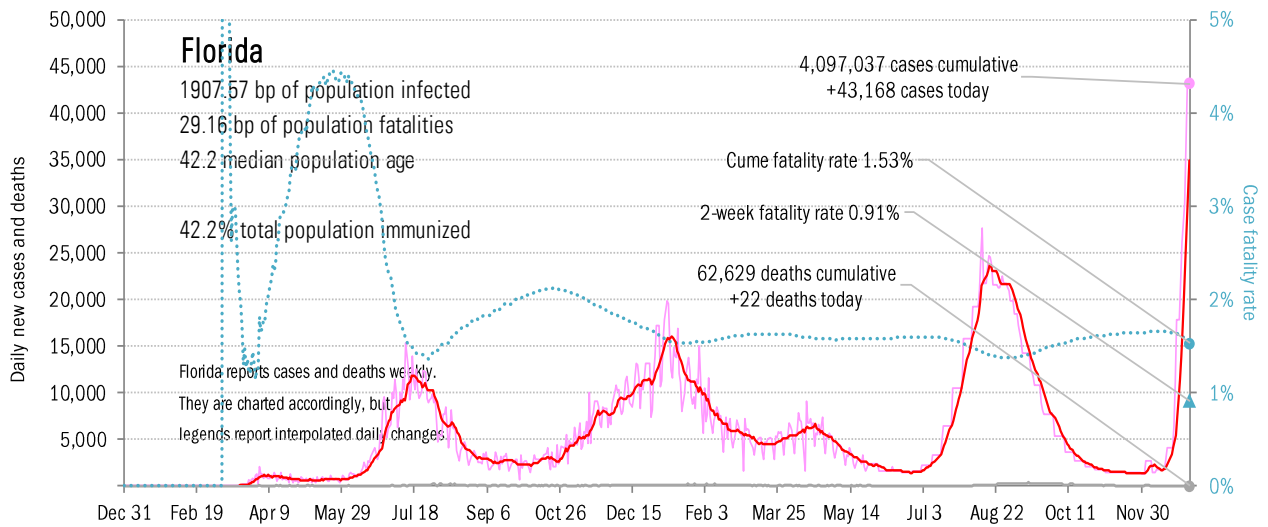
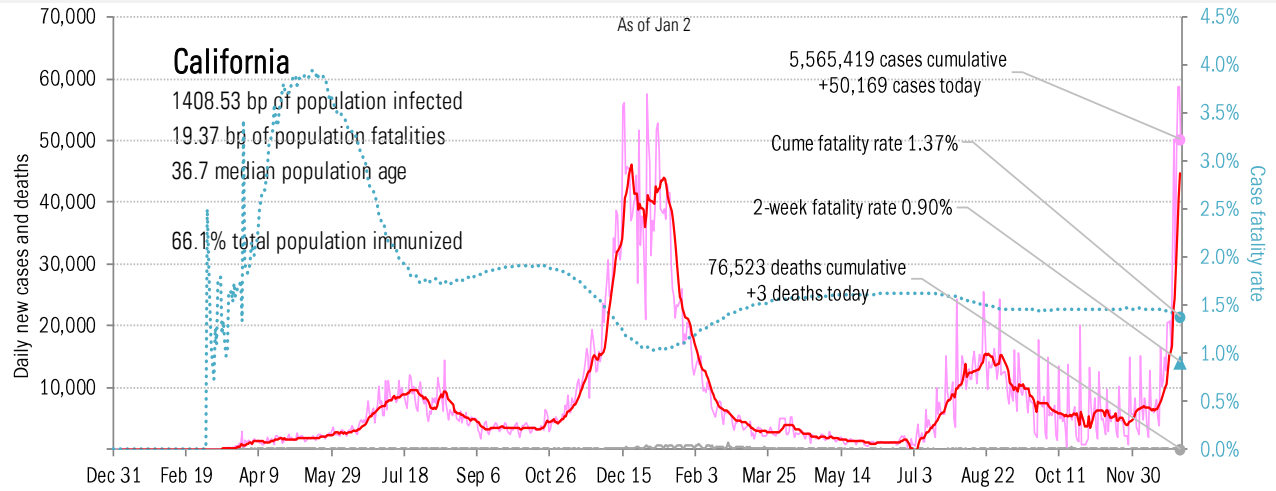
Cases: 7-day average and daily Deaths: Daily



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

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

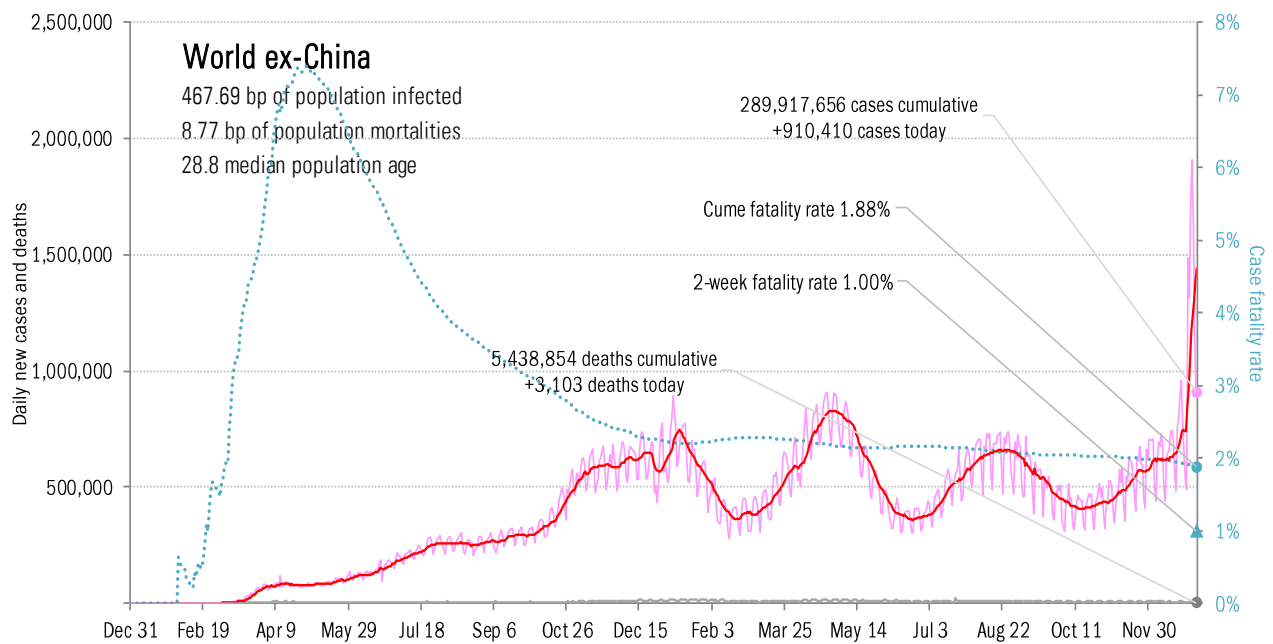
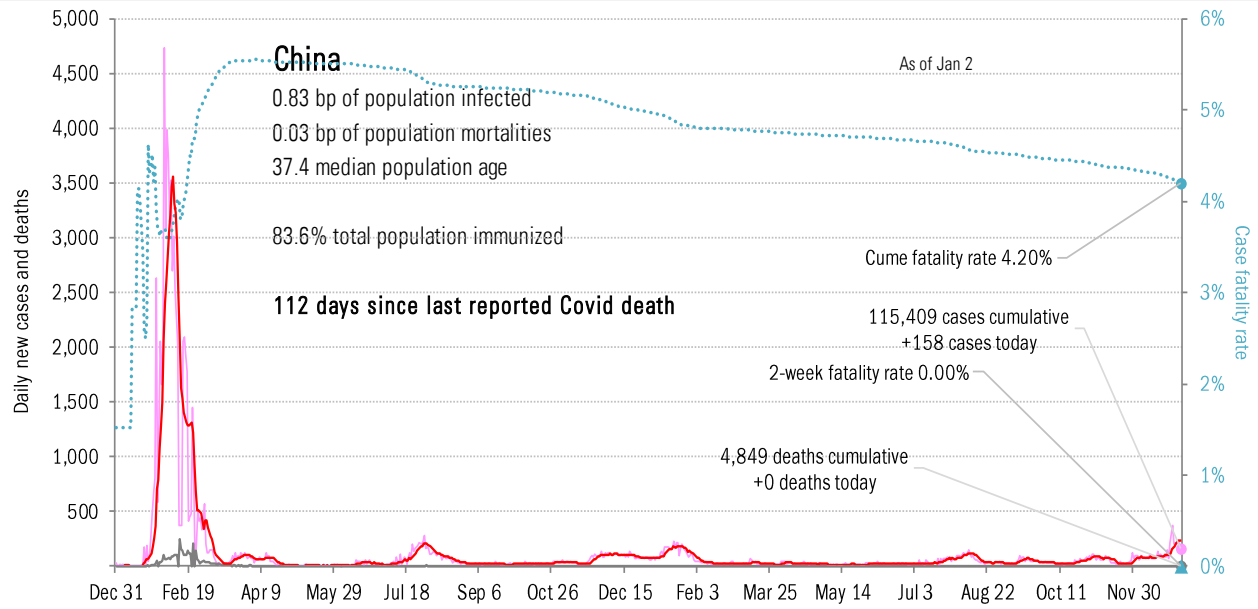
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

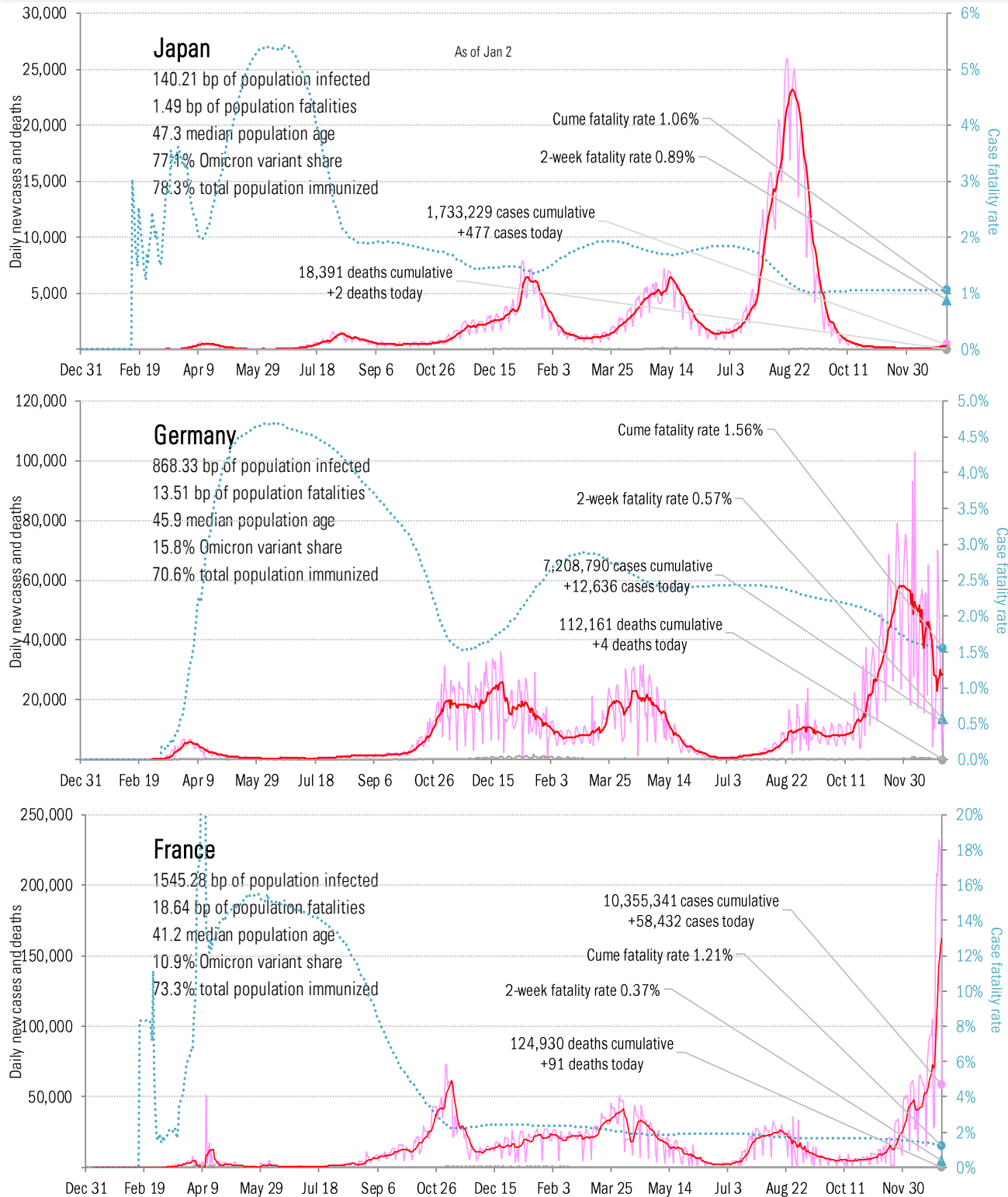
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

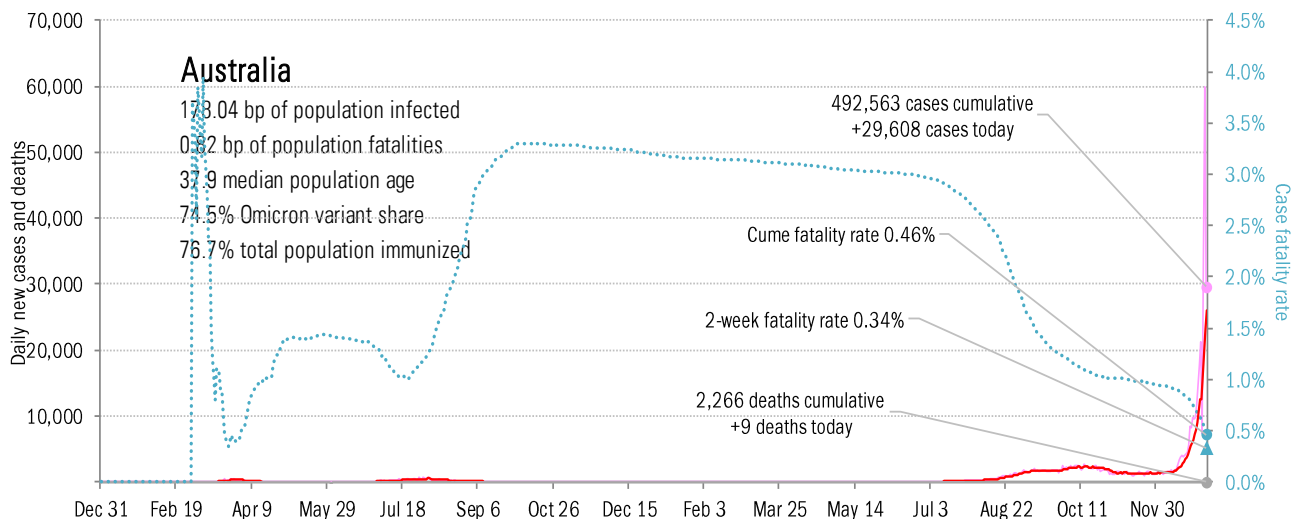
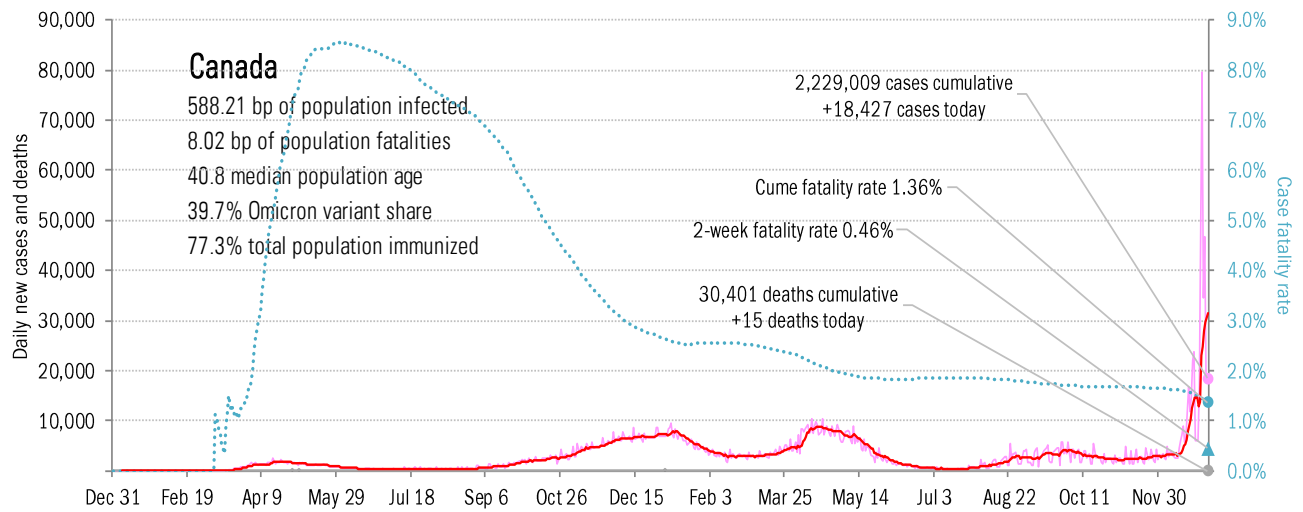
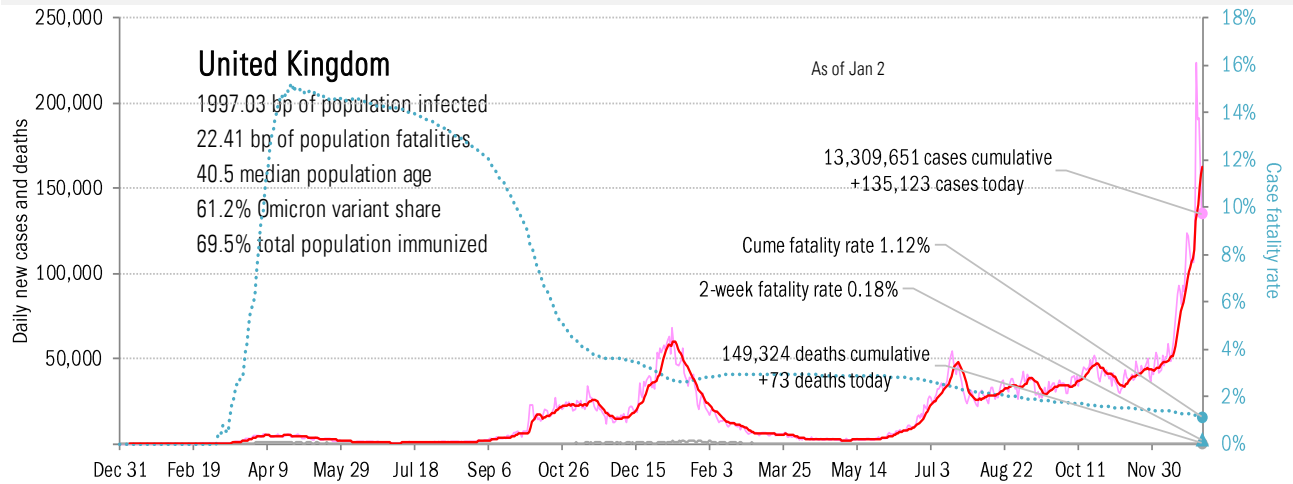
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

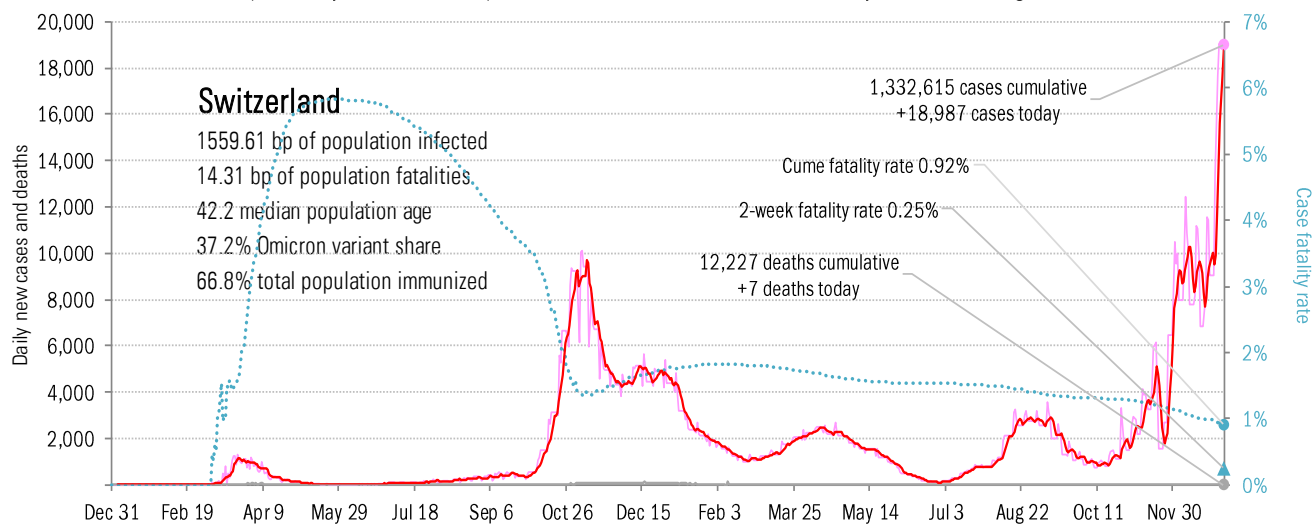
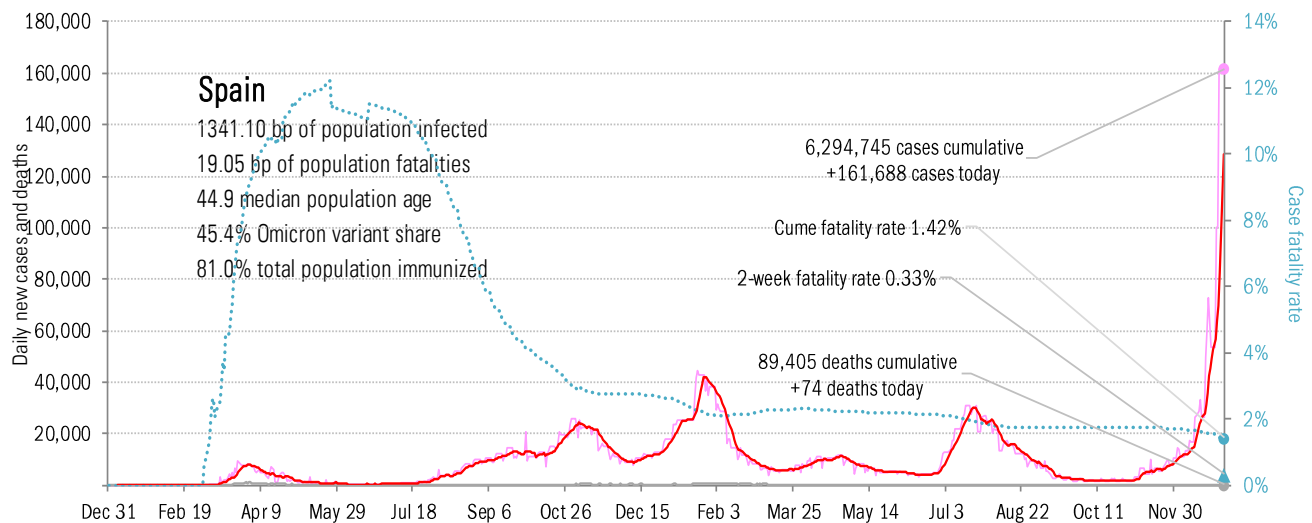
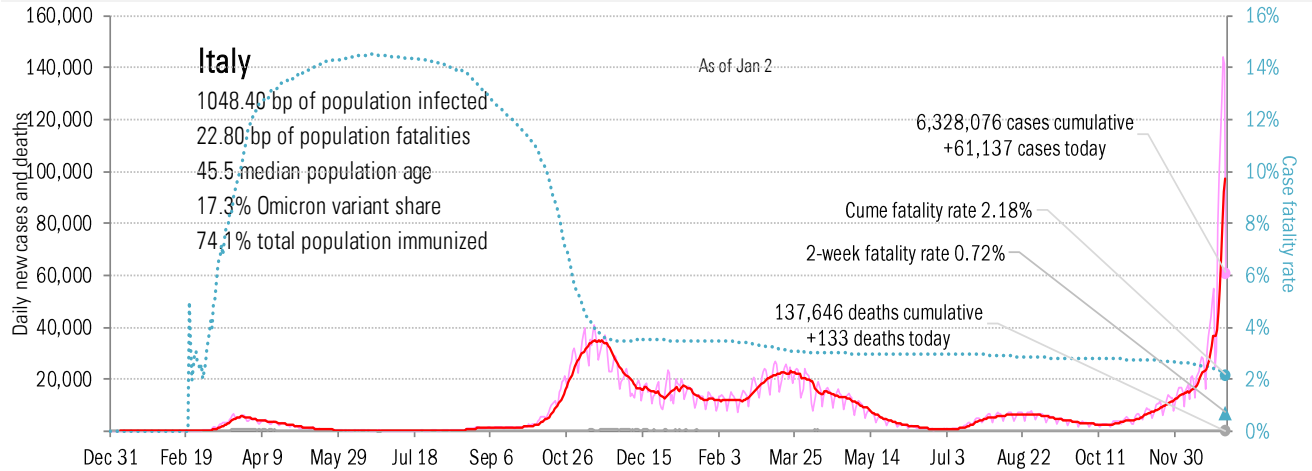


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

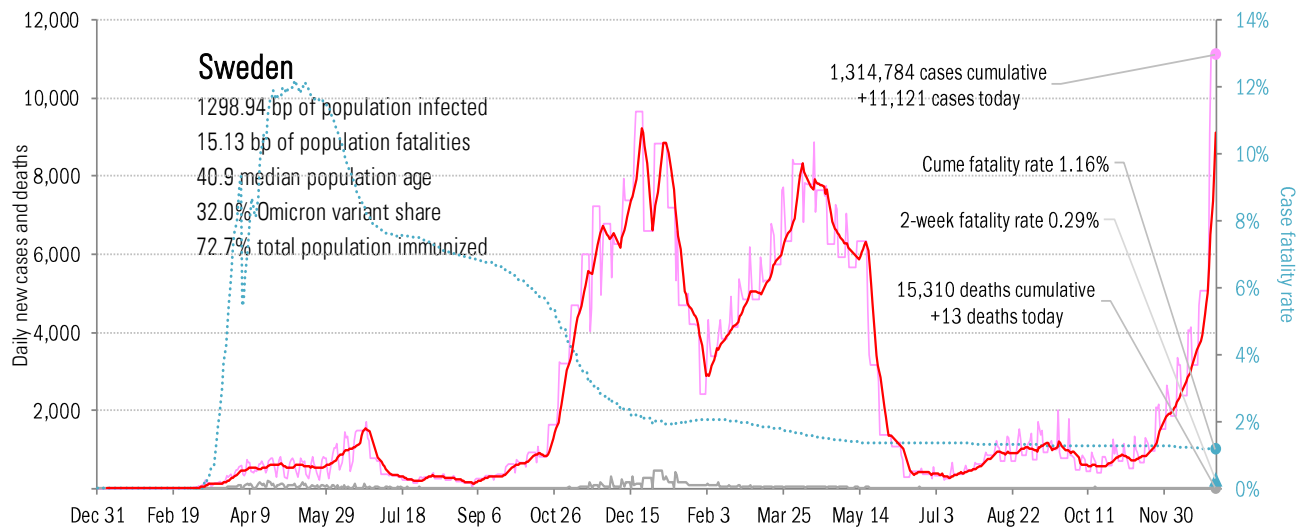
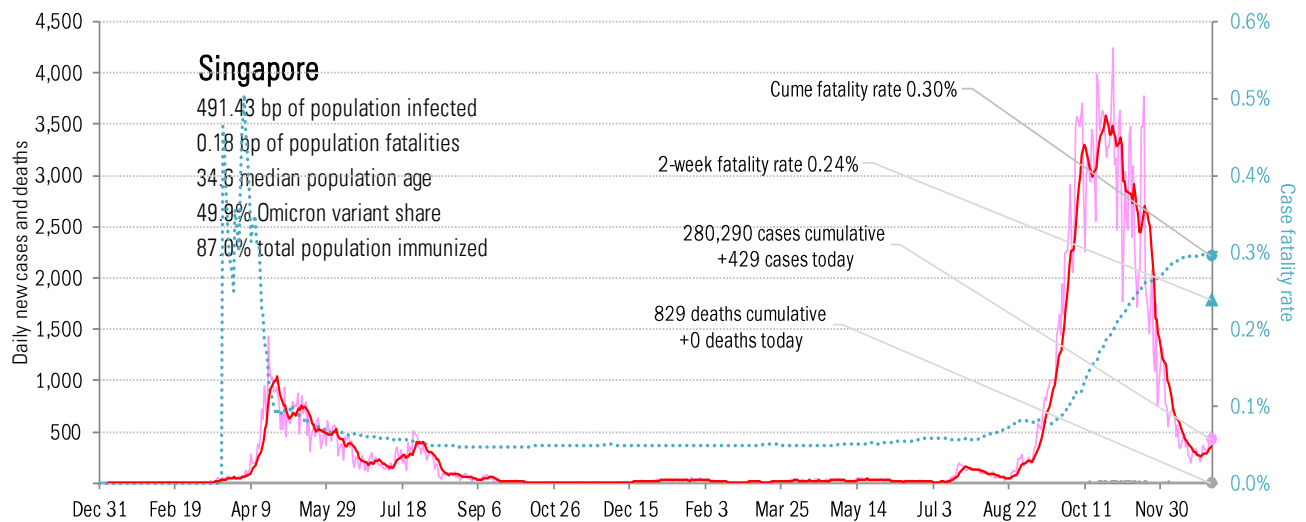
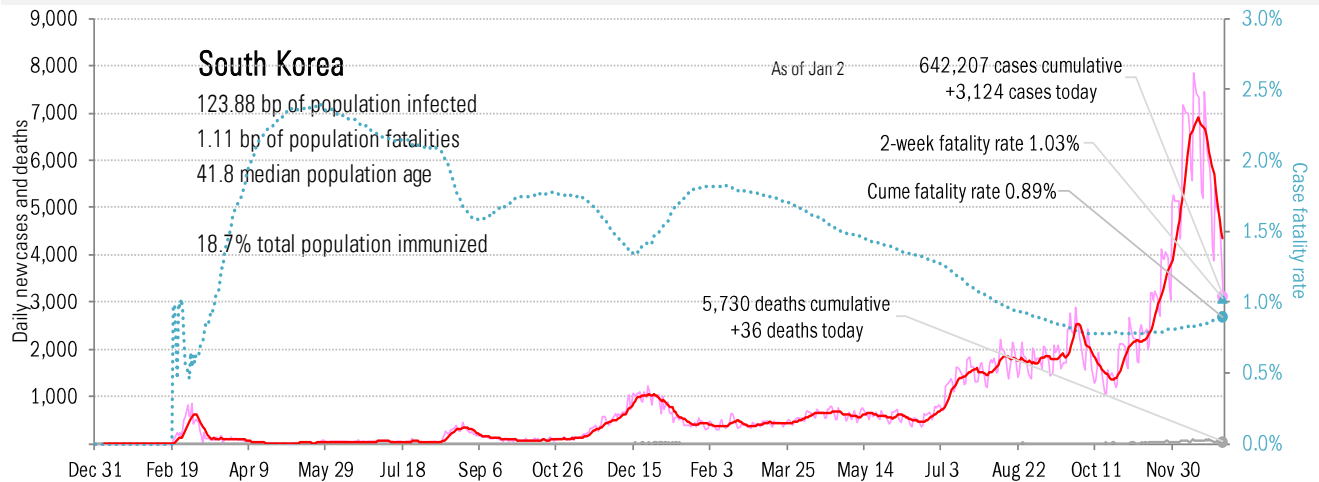
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

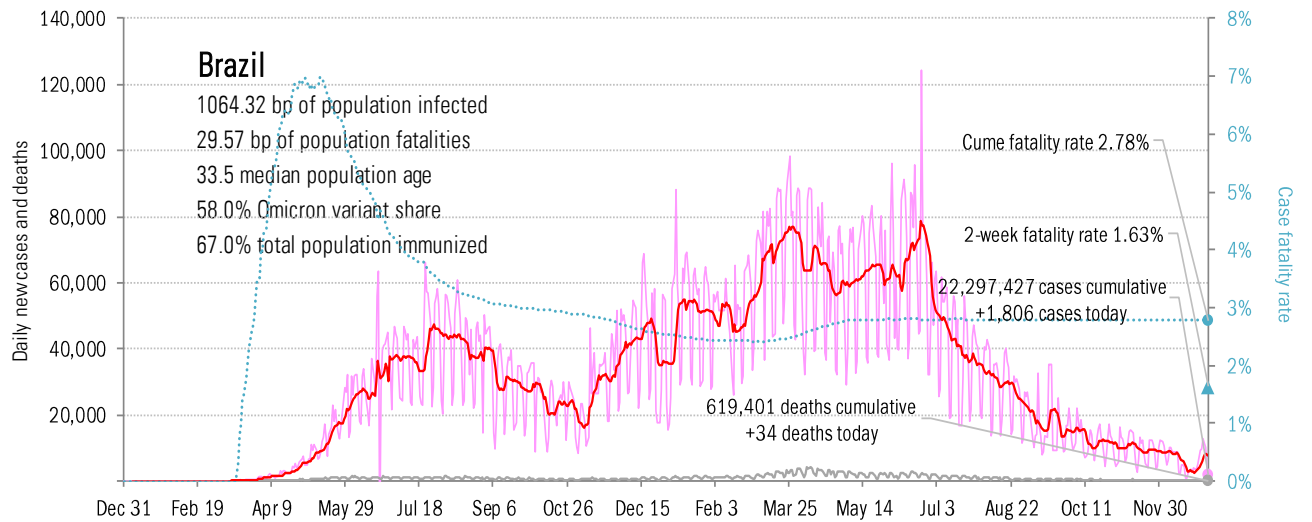
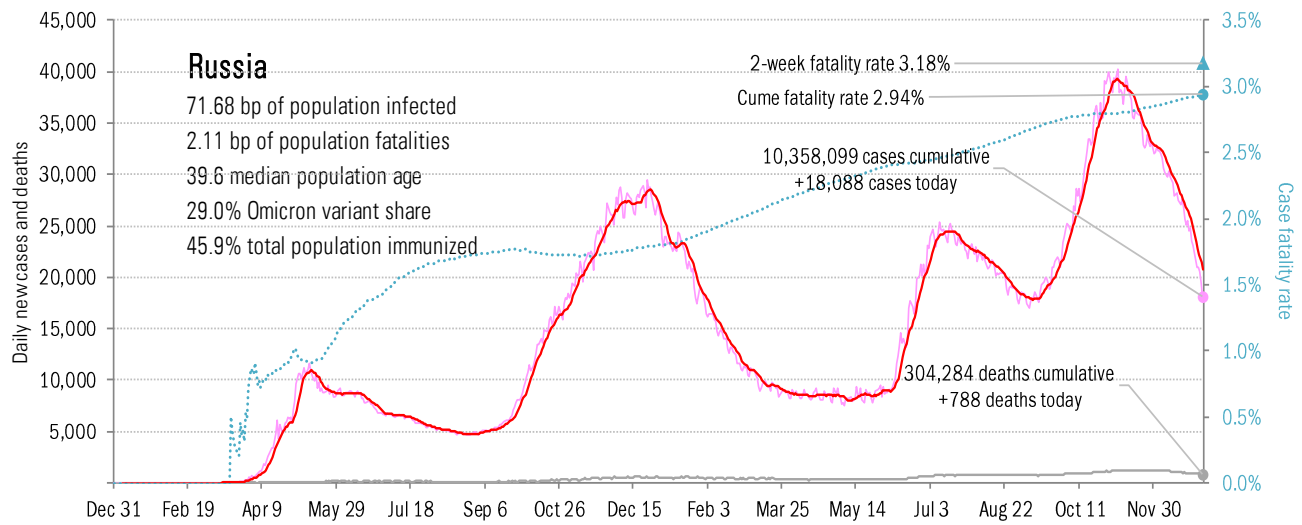
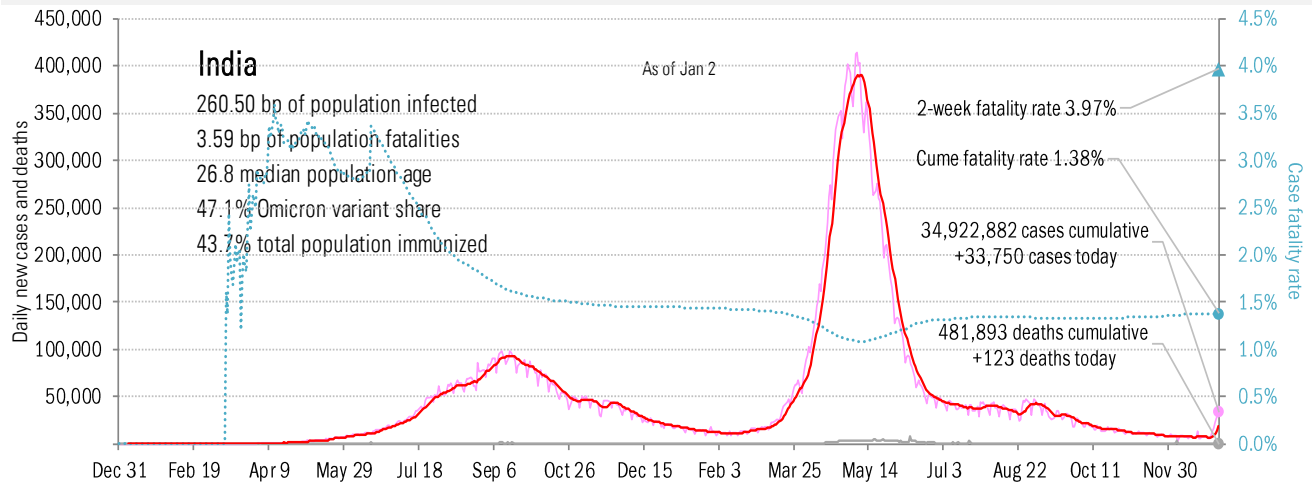
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

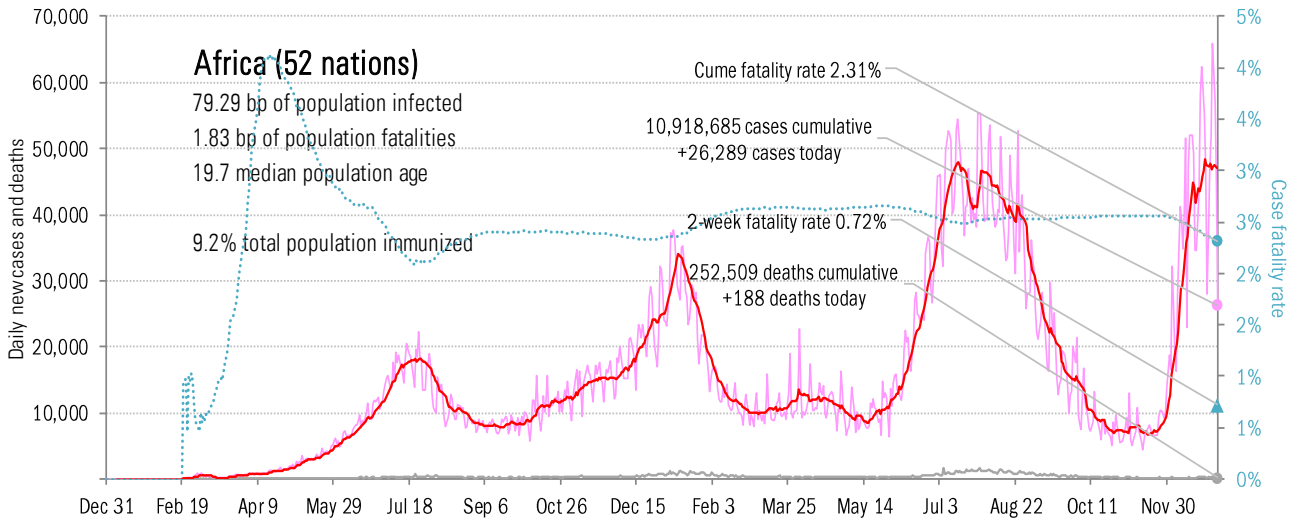
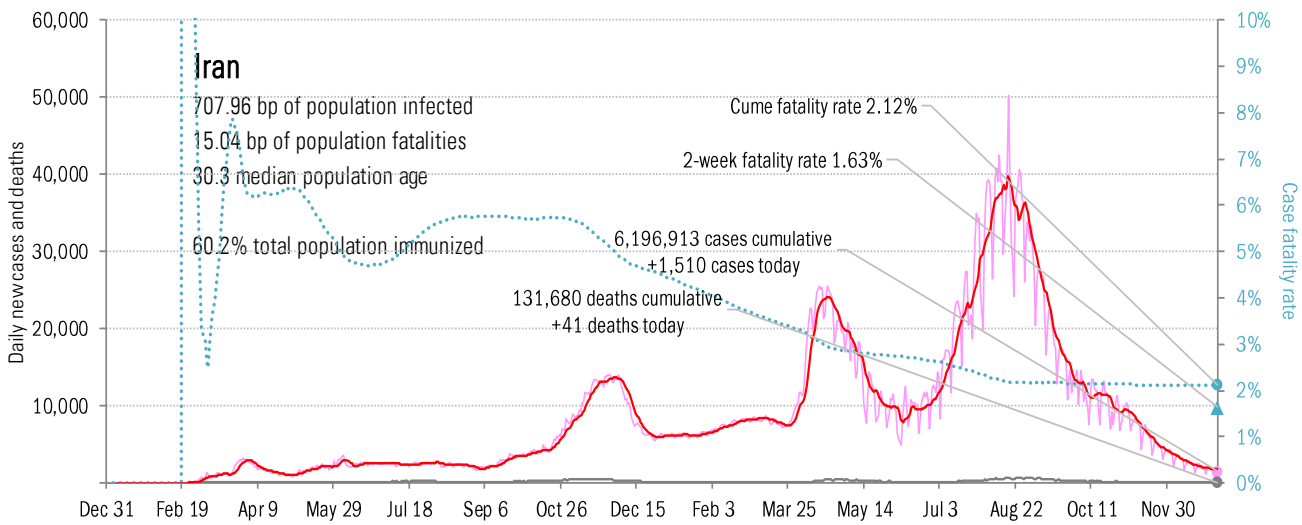
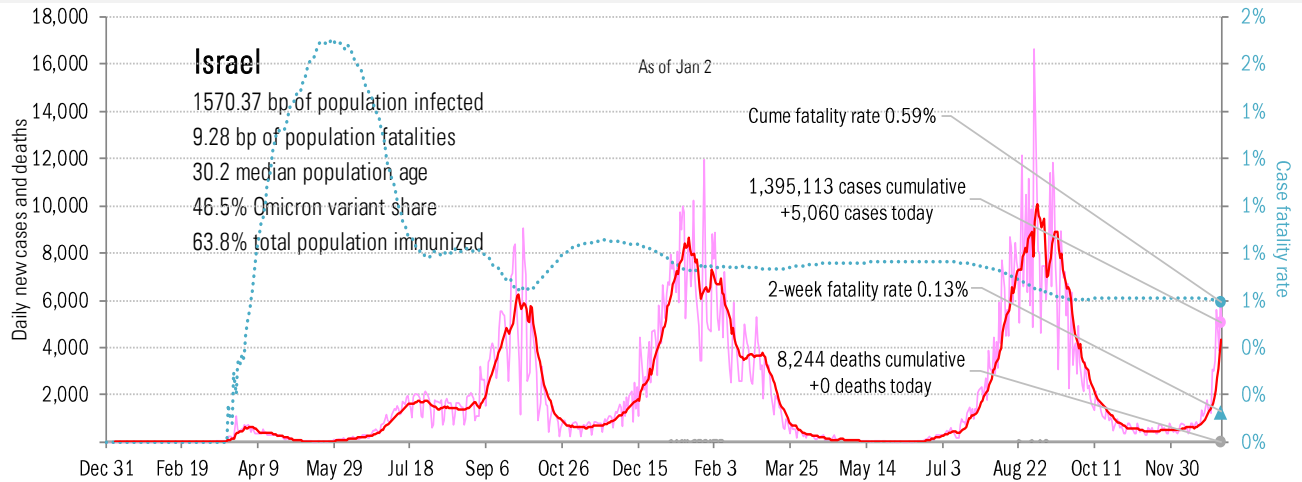
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

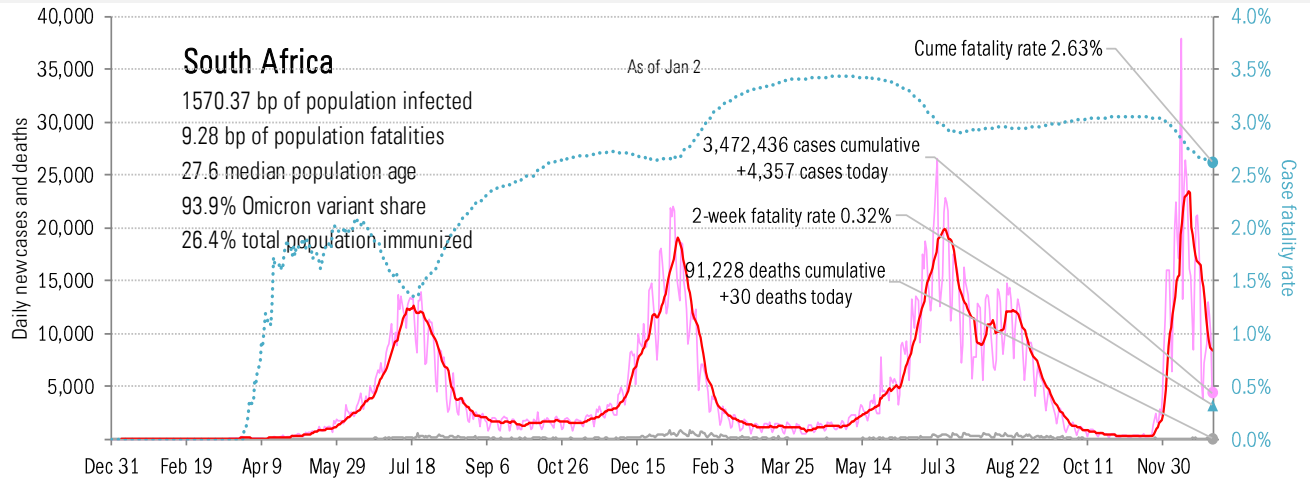
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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