

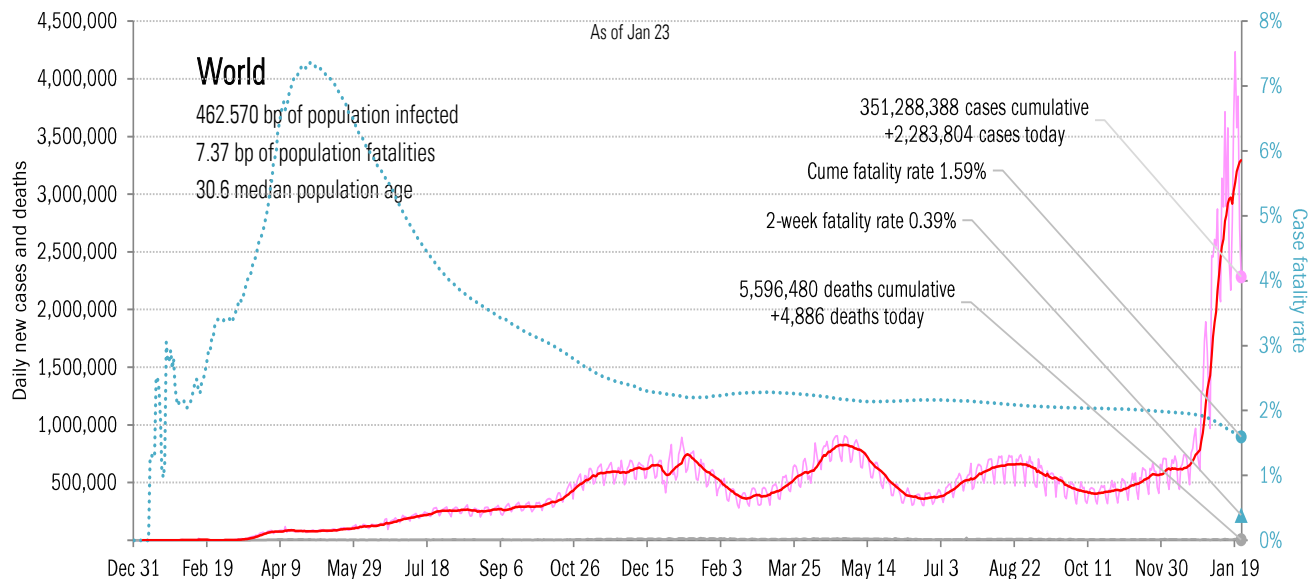
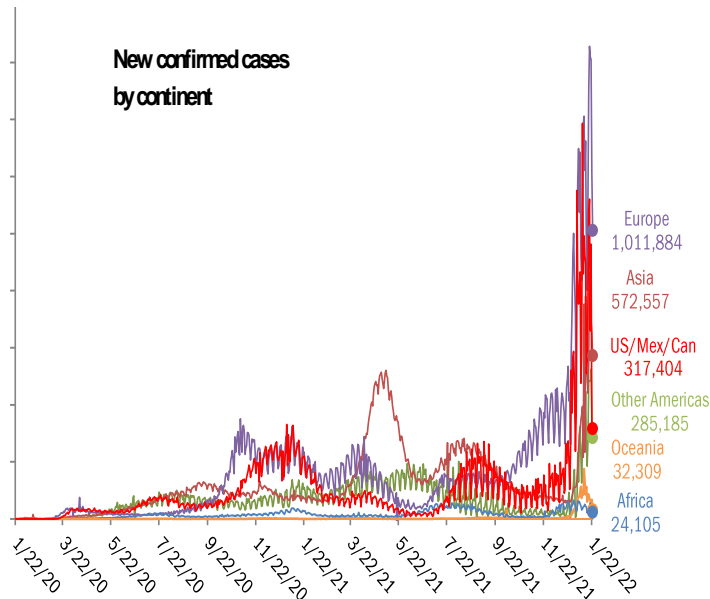
## Data Insights: Covid-2019 Monitor

Monday, January 24, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
India	306,064	Russia	667
France	301,643	United States	658
United States	245,164	Mexico	462
Italy	142,487	India	439
Brazil	122,796	Italy	227
United Kingdom	74,933	Colombia	217
Mexico	72,240	Turkey	185
Argentina	69,884	Peru	182
Netherlands	65,748	Brazil	179
Turkey	65,503	Vietnam	123
<b>1,466,462</b>		<b>3,339</b>	
World	2,283,804	World	4,886
Top ten	64%	Top ten	68%



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

### For more information contact us:

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# The US scorecard

Cases: 7-day average and daily Deaths: Daily

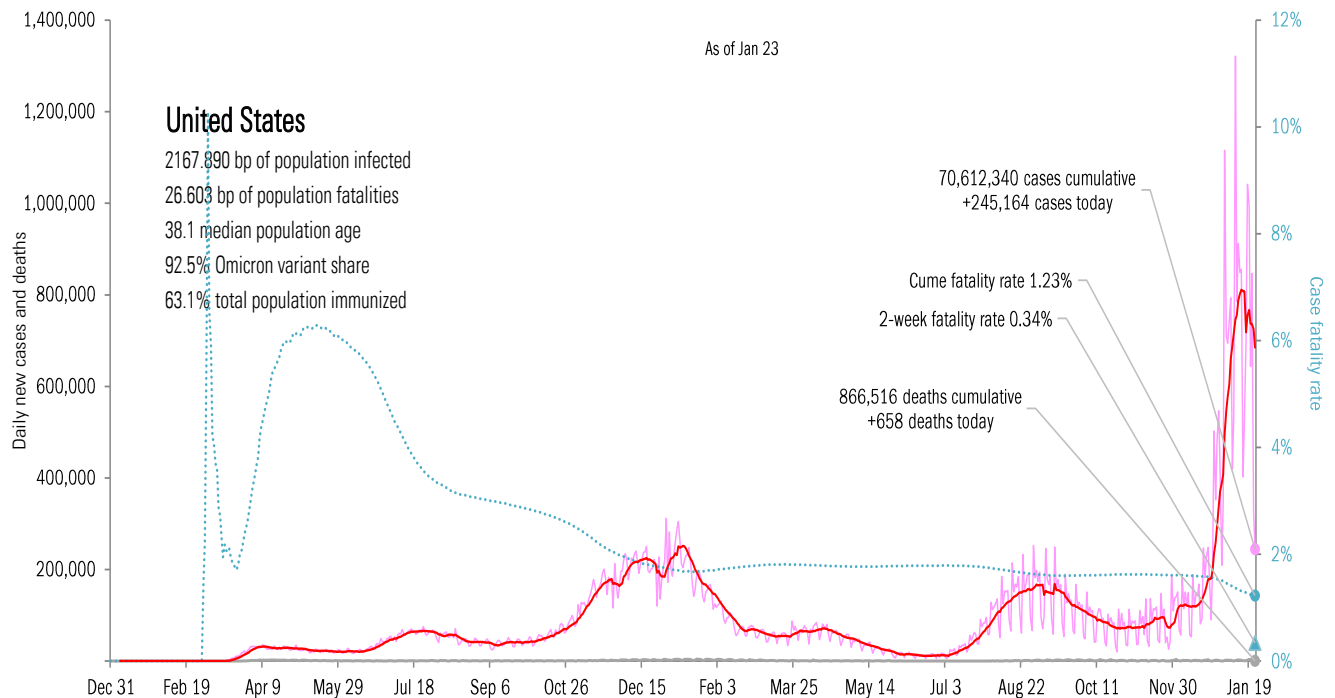
## The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
TX	56,908		NY	222		TX	337		CA	7,691,930		CA	78,616		TX	444,210		RI	88%	KY	94%
FL	40,360		FL	86		NC	105		TX	5,962,517		TX	78,118		FL	378,742		MD	87%	TX	93%
CA	27,562		TN	69		MO	84		FL	5,236,100		FL	63,739		CA	377,214		MA	87%	AL	92%
NY	26,286		AZ	66		MS	77		NY	4,701,632		NY	63,413		NY	226,080		GA	87%	MS	91%
AZ	22,922		CA	63		OK	75		IL	2,773,362		PA	39,538		GA	188,336		WA	85%	NV	90%
PA	12,333		TX	63		AR	68		PA	2,572,500		GA	32,294		CH	175,666		MN	85%	NM	89%
CH	9,932		MD	54		WA	65		CH	2,506,175		IL	32,278		PA	161,927		PA	84%	OK	89%
AL	9,807		PA	51		AL	56		GA	2,229,675		CH	31,987		IL	144,504		MI	84%	GA	89%
NJ	9,195		FR	23		AZ	55		NC	2,212,752		MI	31,502		MI	129,505		WV	84%	RI	88%
MO	6,846		NJ	13		KS	55		MI	2,124,225		NJ	30,759		KY	128,193		CT	84%	MO	88%
222,151			710			977			38,010,868			482,244			2,354,377						
All states 245,164			668			894			All states 70,612,340			866,516			4,248,588			All states 70%		67%	
Top ten 91%			108%			109%			Top ten 54%			56%			55%			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	
OK	-13,571	NJ	-115	KY	-258	IL	+20 bp
IA	-12,658	TX	-98	CA	-220	CA	+10 bp
CA	-12,621	PA	-74	FR	-125	CO	+10 bp
AL	-6,699	DE	-23	SC	-78	CT	+10 bp
CH	-5,745	FR	-19	MT	-64	DE	+10 bp

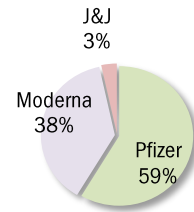


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	548,154,287		+0.707 million	US	63.1%	75.5%
Boosters	85,084,214		+0.371 million	UK	70.6%	76.6%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	258,230,799	77%	216,403,577	65%	+0.131 million	France 75.7% 79.5%
Age 12 to 17	15,877,618	67%	13,243,416	56%	+0.013 million	Spain 81.8% 87.2%
Age 18 to 64	174,450,287	86%	146,531,488	72%	+0.066 million	Germany 72.6% 74.7%
Age 65 and over	58,472,999	100%	50,024,830	91%	+0.008 million	Italy 75.6% 82.5%

Australia	78.0%	82.8%
Israel	65.2%	71.9%
Canada	78.2%	84.5%
Japan	79.1%	80.4%
Africa	10.2%	15.4%
India	49.1%	66.7%
Brazil	69.4%	78.6%
China	84.8%	87.6%



**State**

At least partial immunity as % population

Full immunity as % population

Best

Middle

Worst

AK
67.6%
58.1%

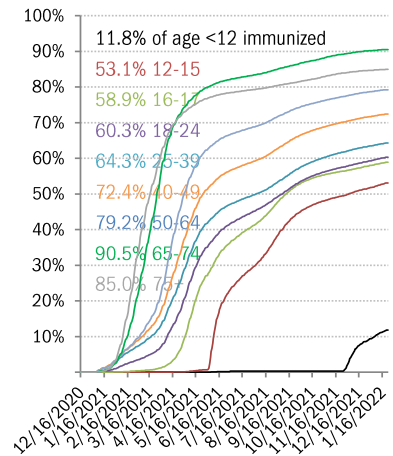
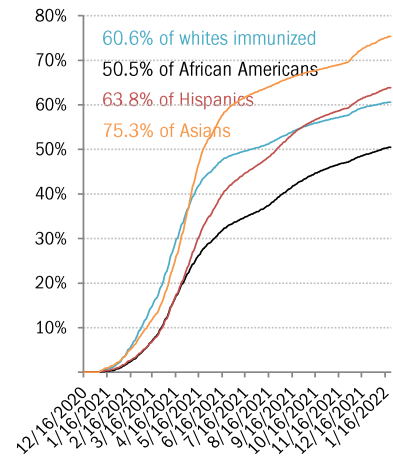
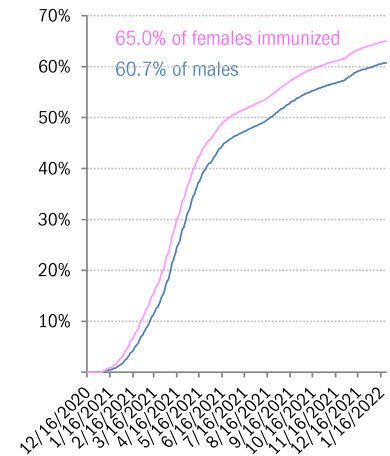
WI
70.0%
63.3%

ME
88.2%
77.2%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
78.2%	54.1%	63.4%	63.8%	73.2%	74.8%	64.9%	87.0%	91.7%	95.0%	
69.6%	47.7%	55.0%	53.8%	66.8%	65.7%	57.9%	73.6%	79.1%	68.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
75.7%	72.5%	56.9%	73.4%	66.4%	59.6%	62.1%	81.4%	86.8%	94.0%	
67.6%	58.1%	49.6%	58.6%	60.1%	53.0%	56.5%	65.4%	72.1%	76.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
86.0%	69.0%	77.0%	68.3%	64.2%	64.3%	63.3%	82.8%	83.1%	92.0%	93.8%
68.4%	60.2%	67.9%	61.2%	54.1%	55.4%	55.9%	70.3%	72.2%	76.2%	78.4%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	69.6%	83.8%	72.1%	64.7%	60.3%	80.3%	65.4%	92.5%	79.7%	
	58.5%	68.0%	58.7%	52.4%	52.5%	58.1%	54.6%	69.6%	65.8%	
		OK	LA	MS	AL	GA				
		68.8%	59.2%	57.8%	60.9%	63.3%				
		54.8%	51.5%	49.8%	49.2%	52.5%				
		TX								
		69.2%								
		58.4%								
							FL		PR	
							76.8%		91.7%	
							64.8%		78.7%	

HI
84.5%
75.6%

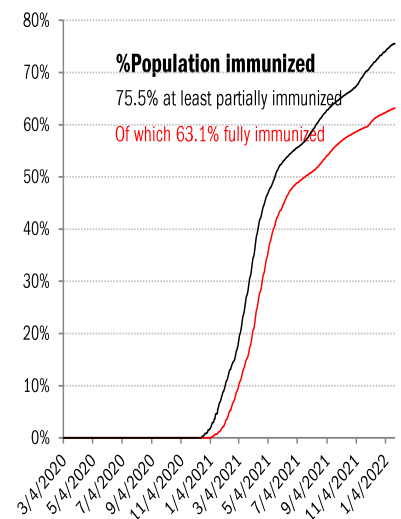
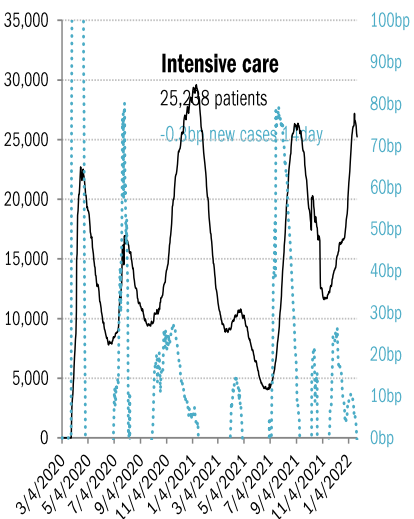
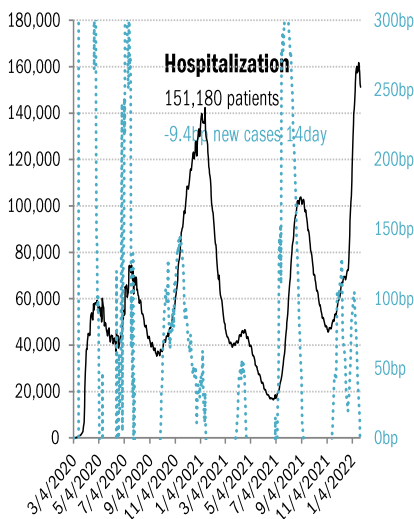
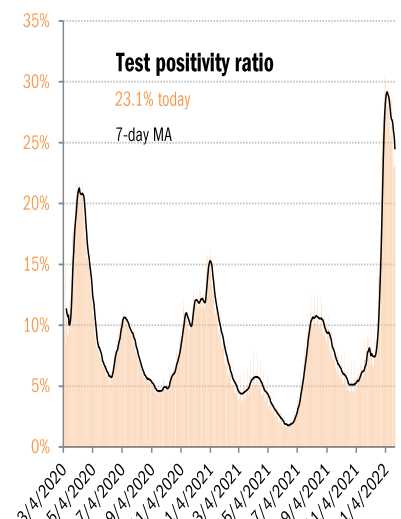
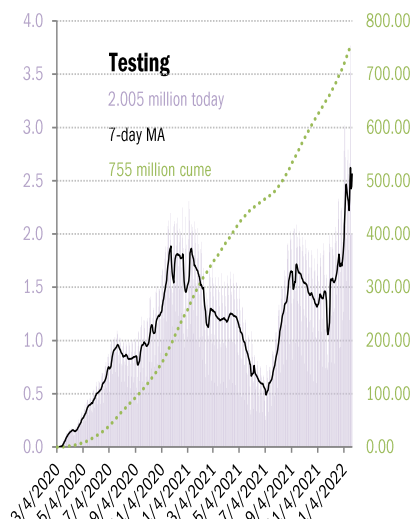
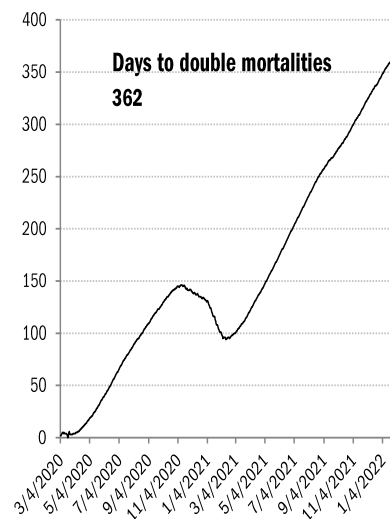
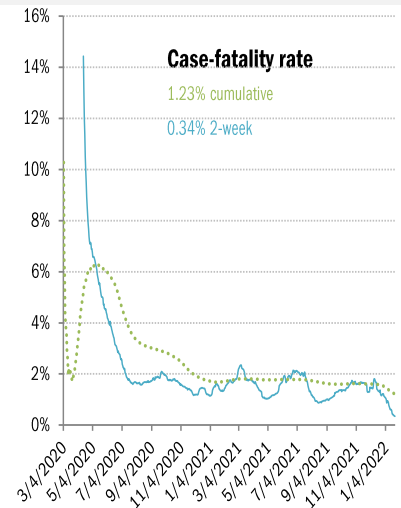
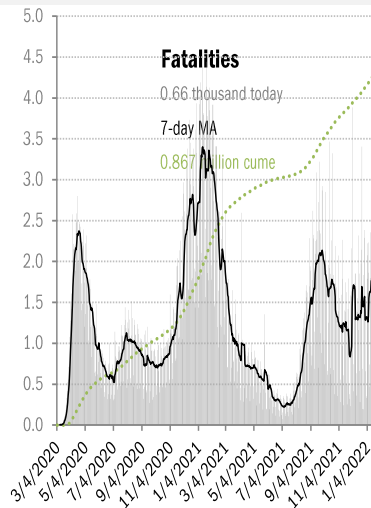
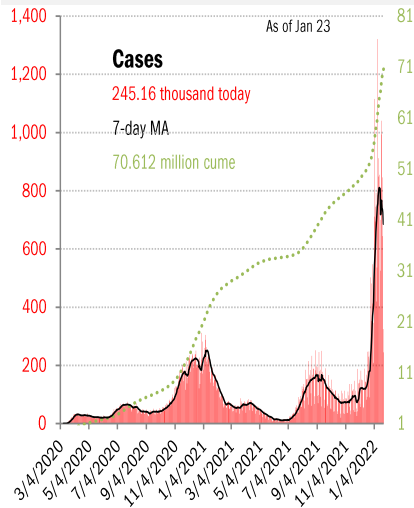
## The demographics of US vaccination



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

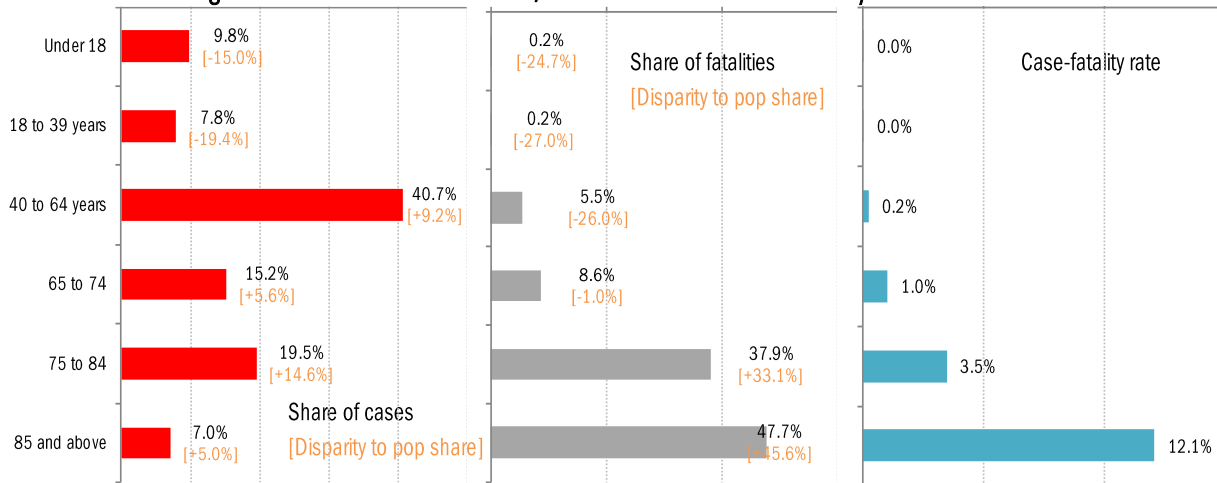
# US deep-dive

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

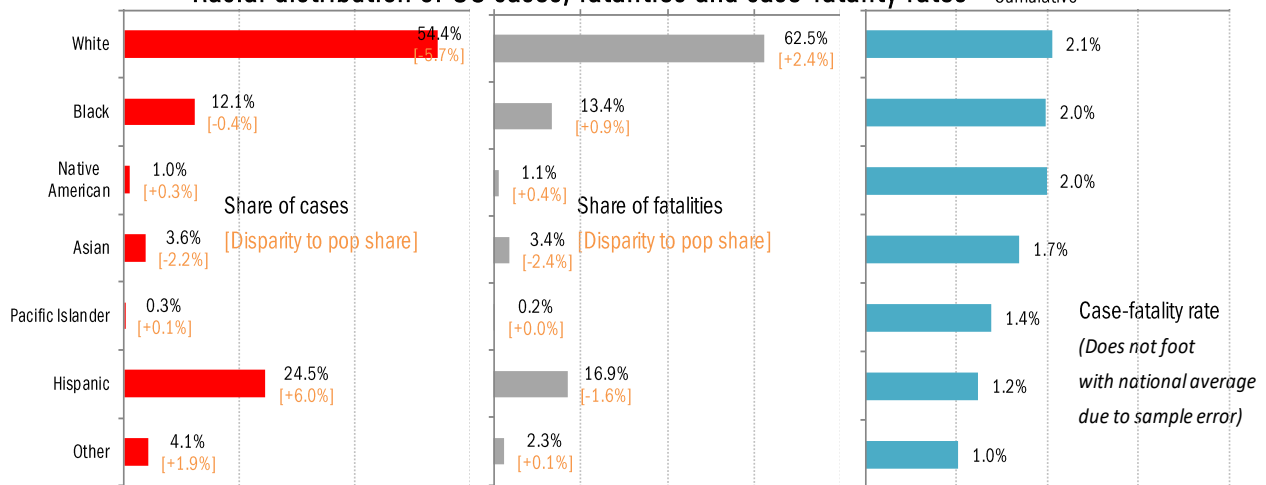


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

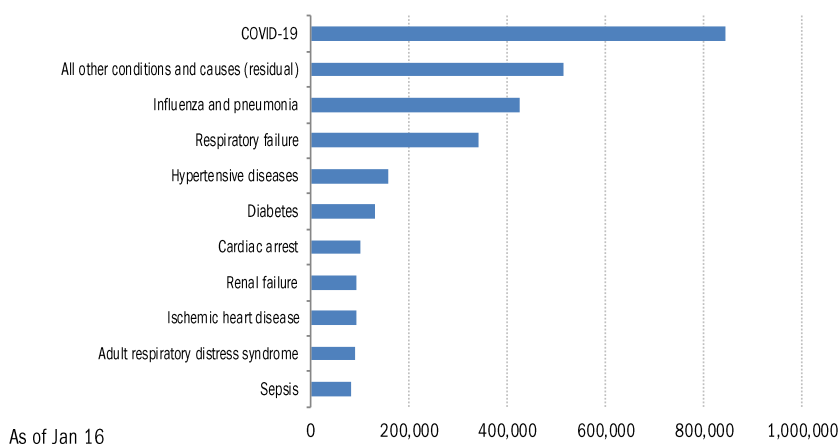


Racial distribution of US cases, fatalities and case-fatality rates



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

### [Biden's Pandemic Fight: Inside the Setbacks of the First Year](#)

Michael D. Shear, Sheryl Gay Stolberg, Sharon LaFraniere and Noah Weiland  
*New York Times*  
January 23, 2022

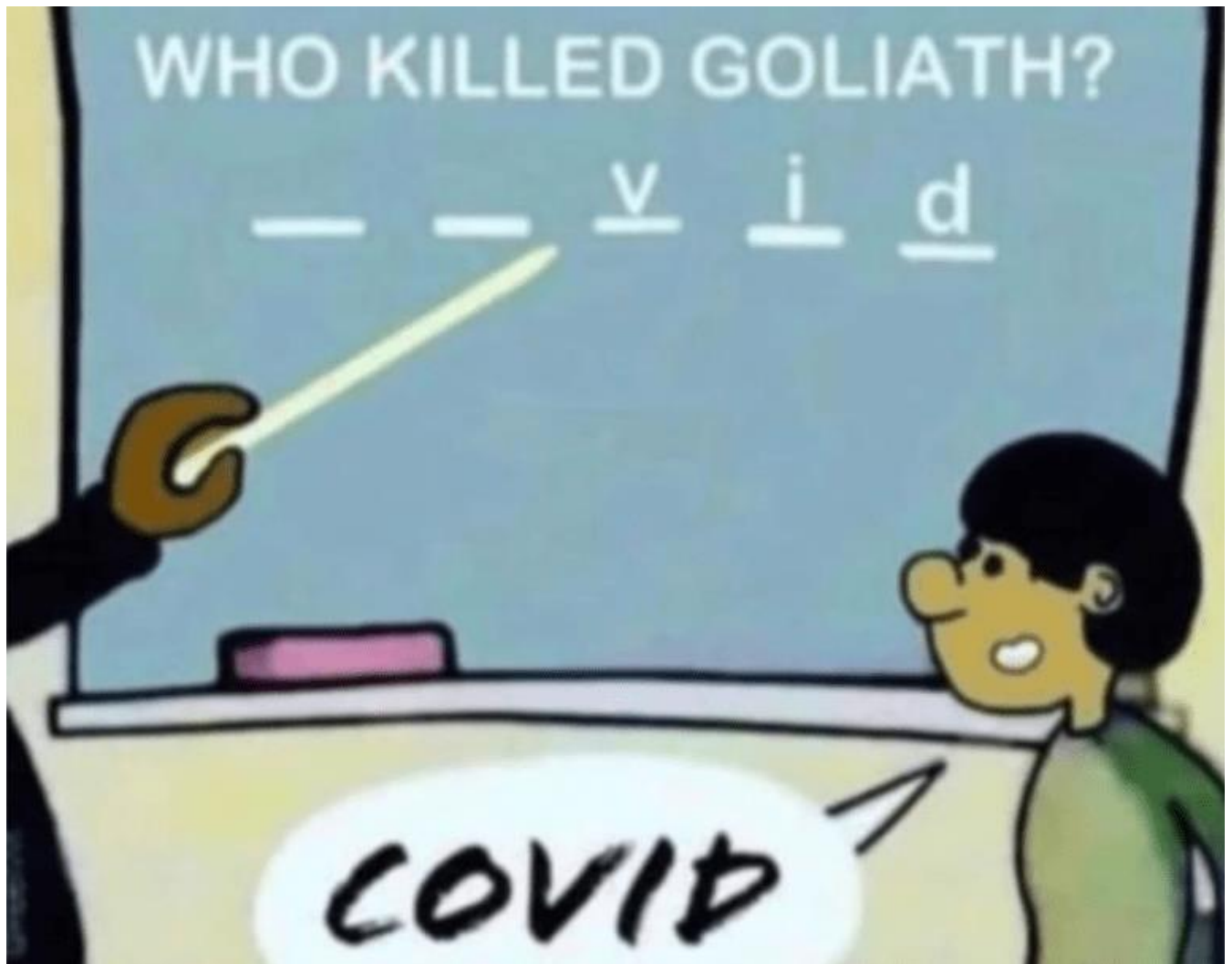
### [Exercise Is Good for You, Even if You Have a Mild Case of Covid](#)

Allysia Finley  
*New York Times*  
January 23, 2022

### [Schools May Be Open—But They're Struggling](#)

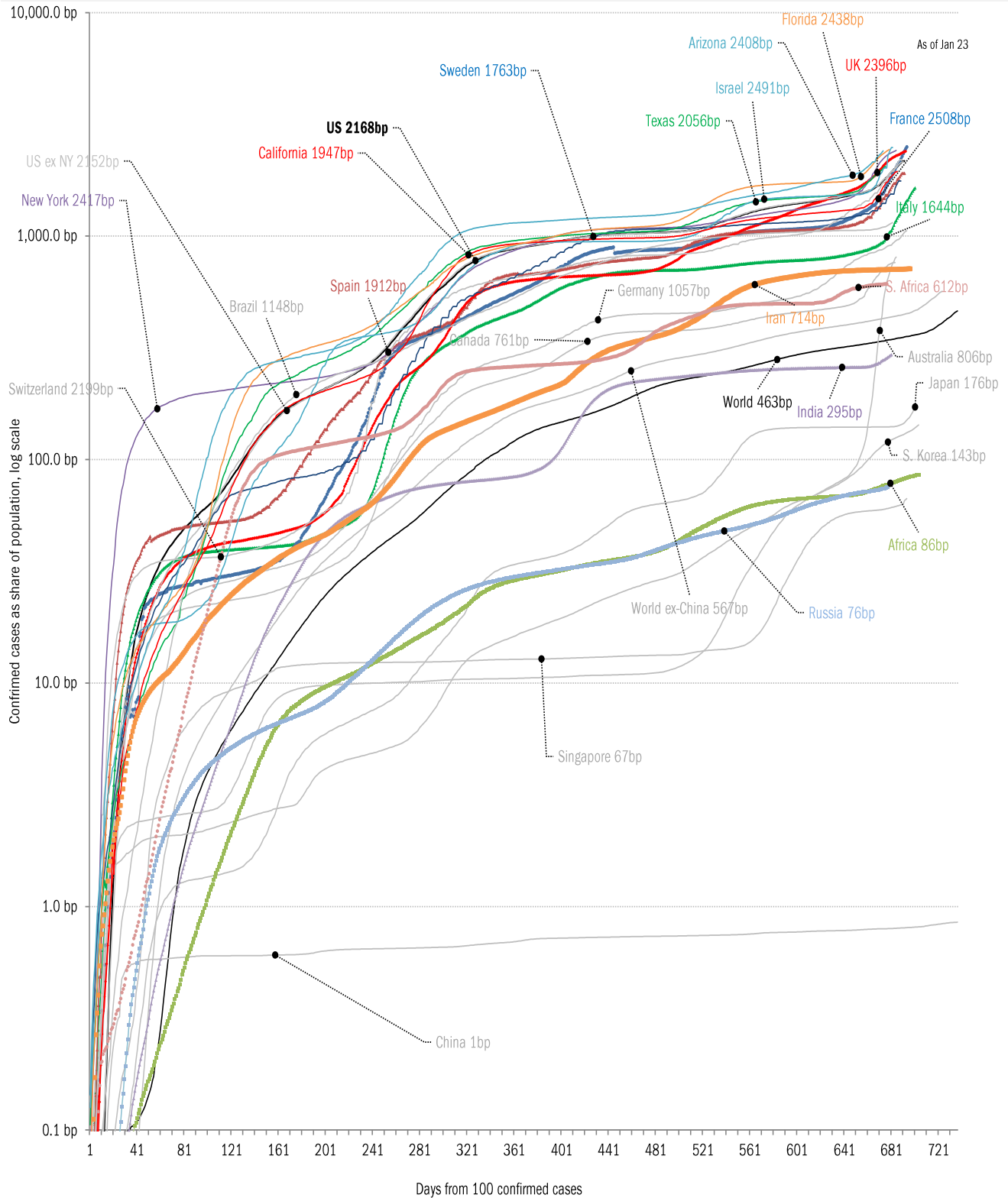
Ben Chapman and Scott Calvert  
*Wall Street Journal*  
January 23, 2022

## Meme of the day



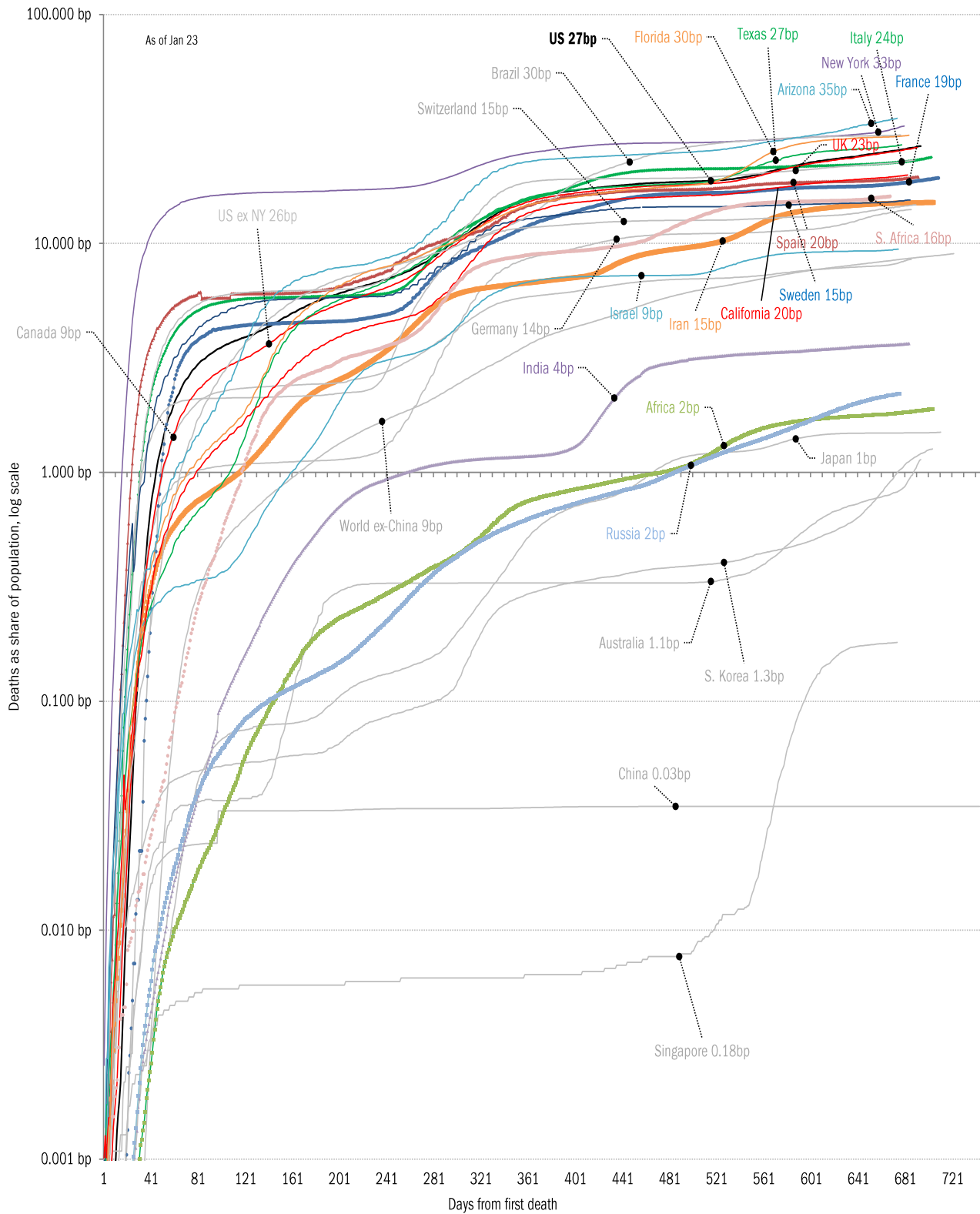
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



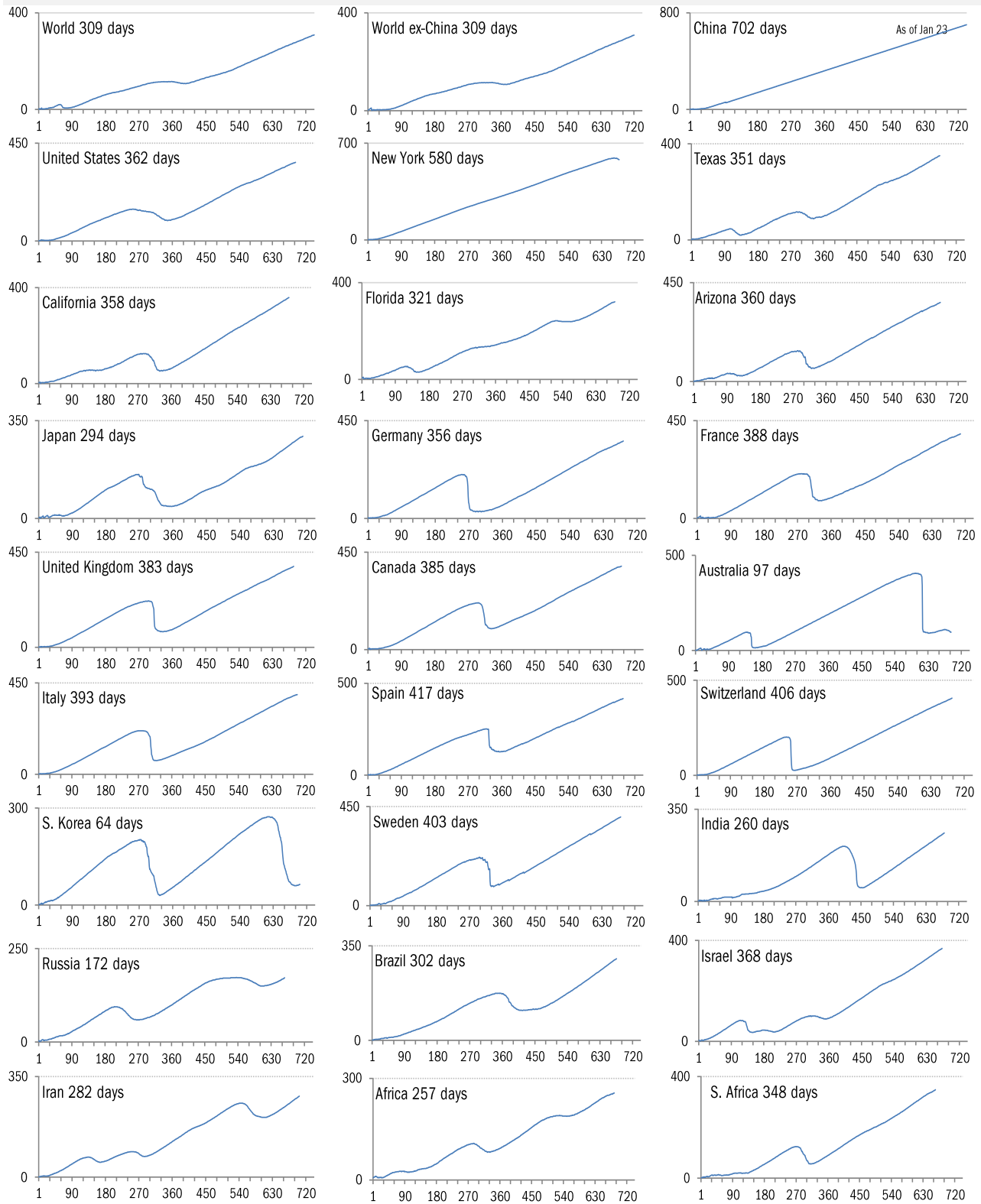
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

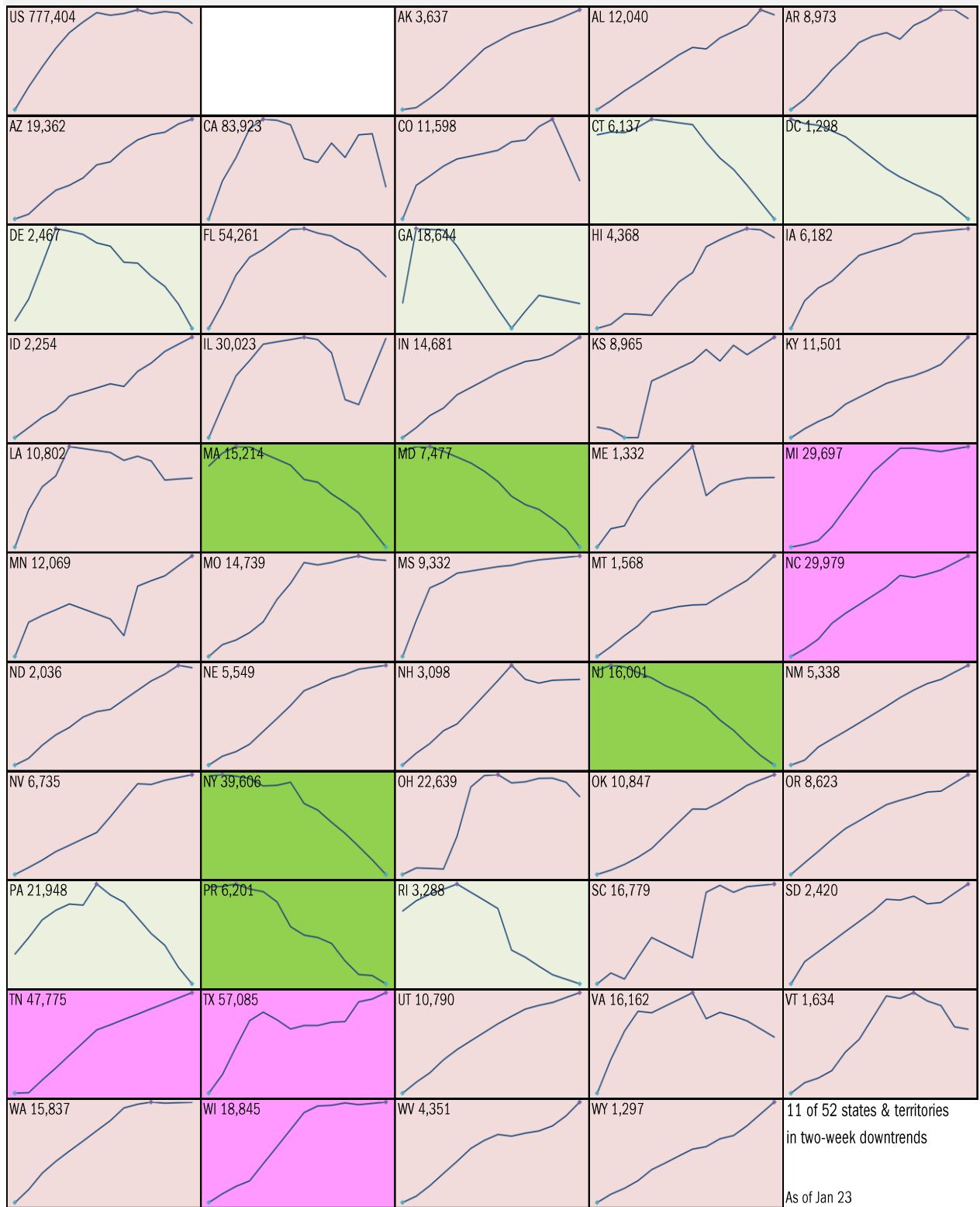


Source: [Johns Hopkins](#), TrendMacro calculations

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

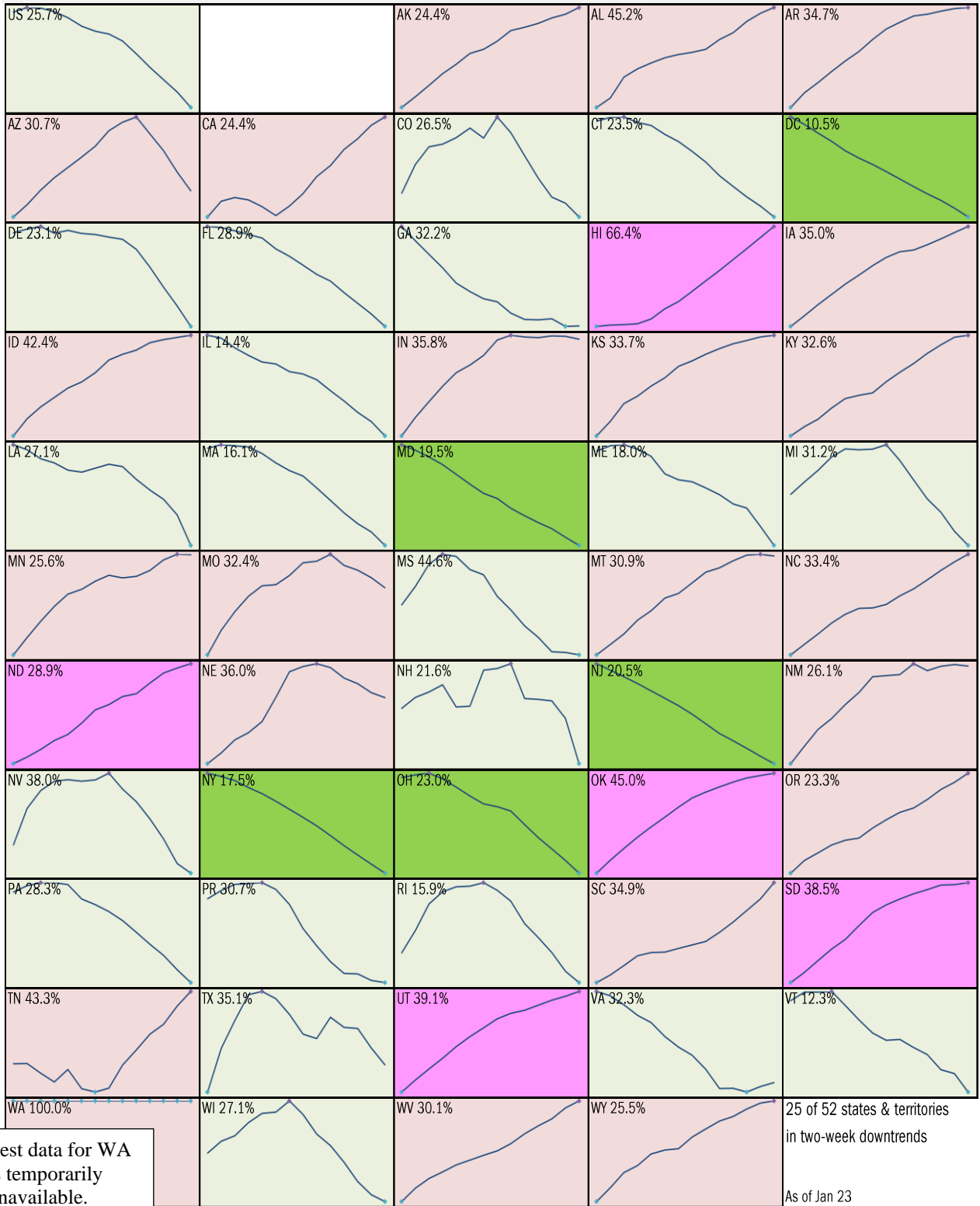


Source: [Johns Hopkins](#), TrendMacro calculations

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

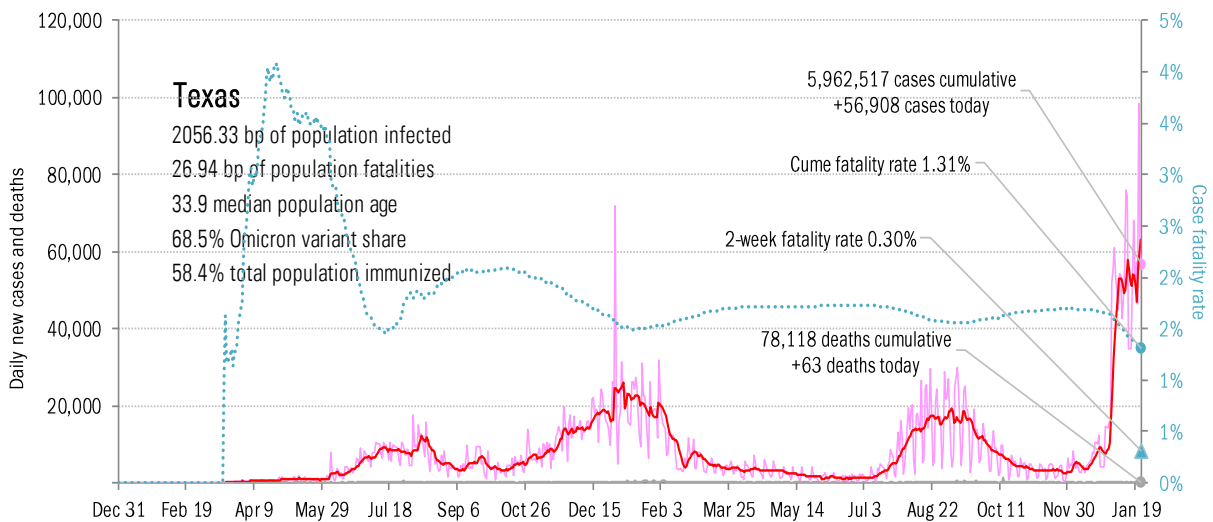
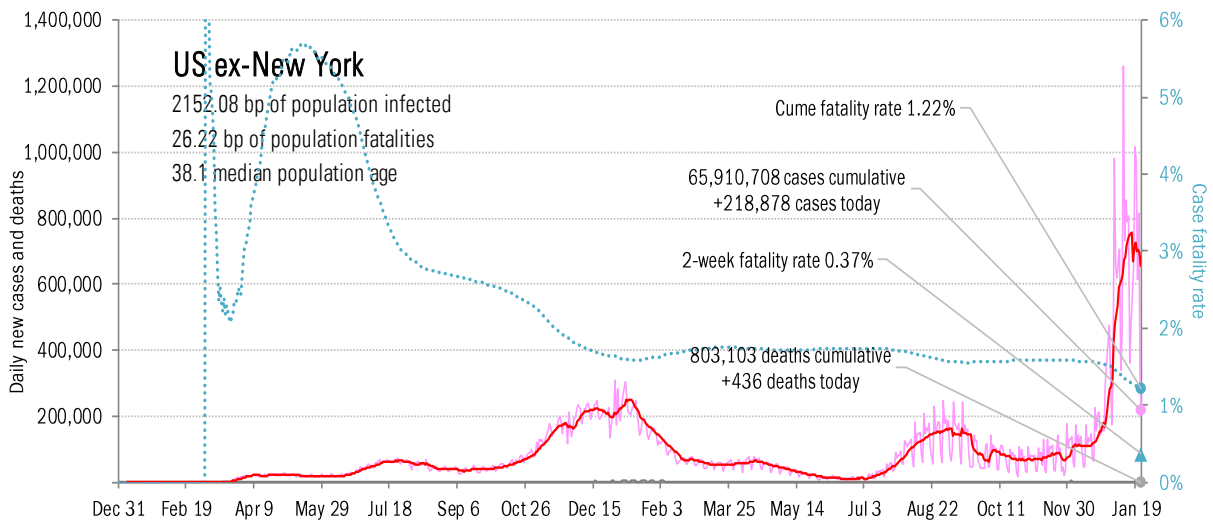
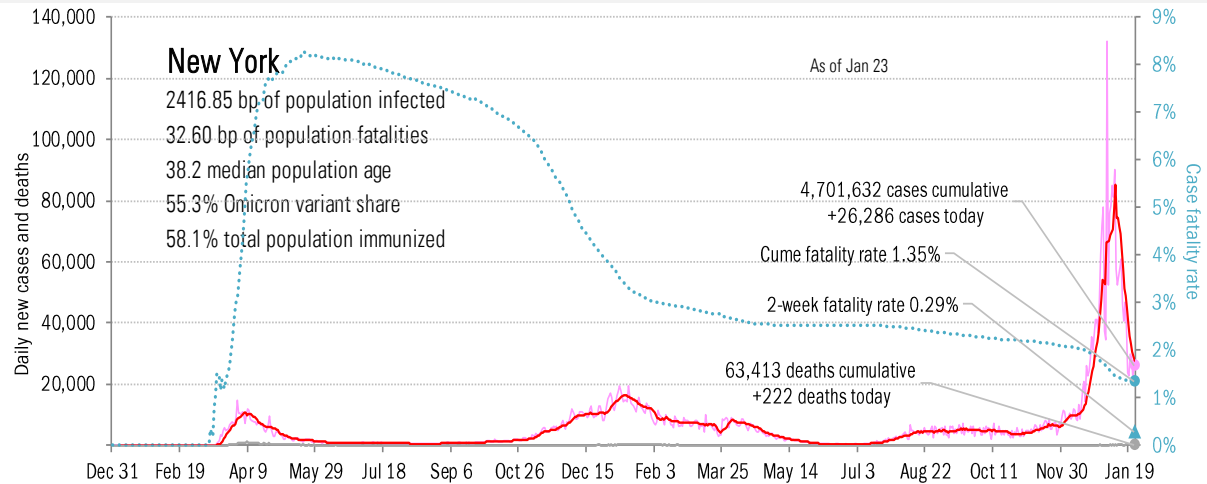


Test data for WA is temporarily unavailable.

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

# From Ground Zero to the Rio Grande

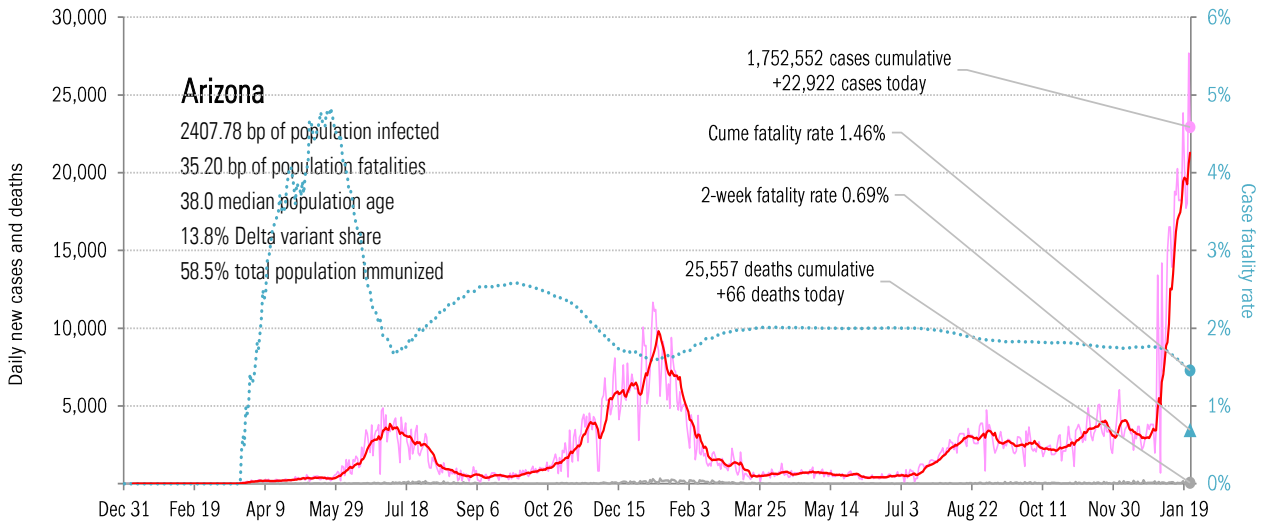
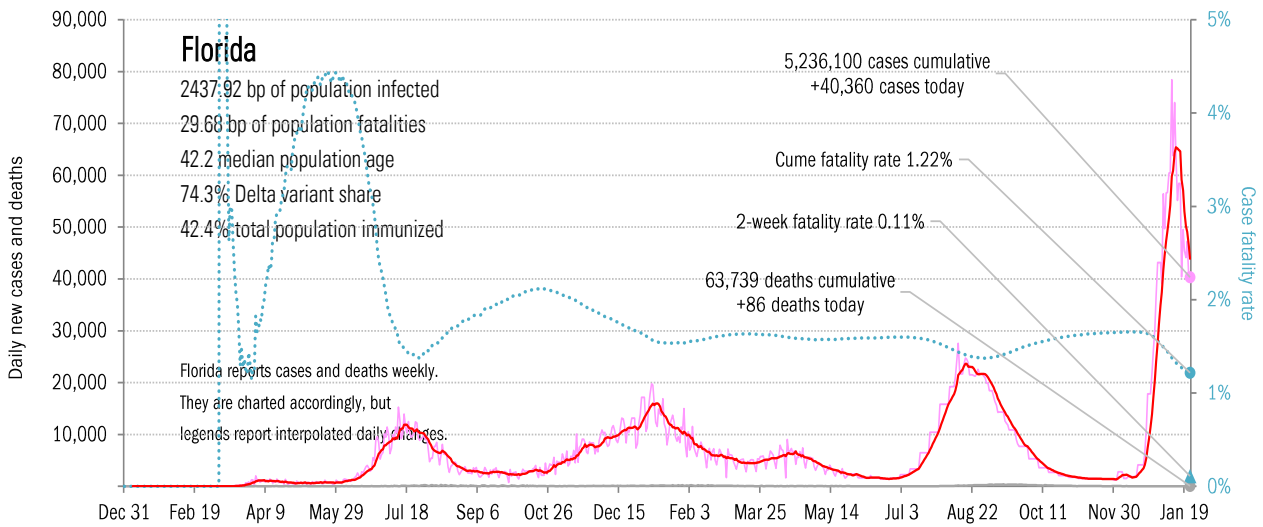
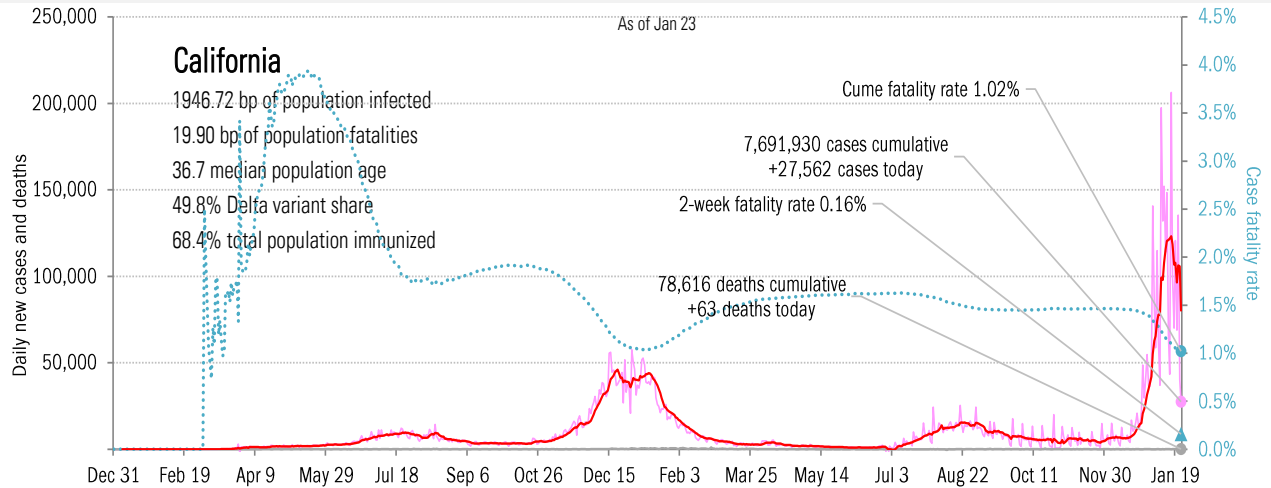
Cases: 7-day average and daily Deaths: Daily



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

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

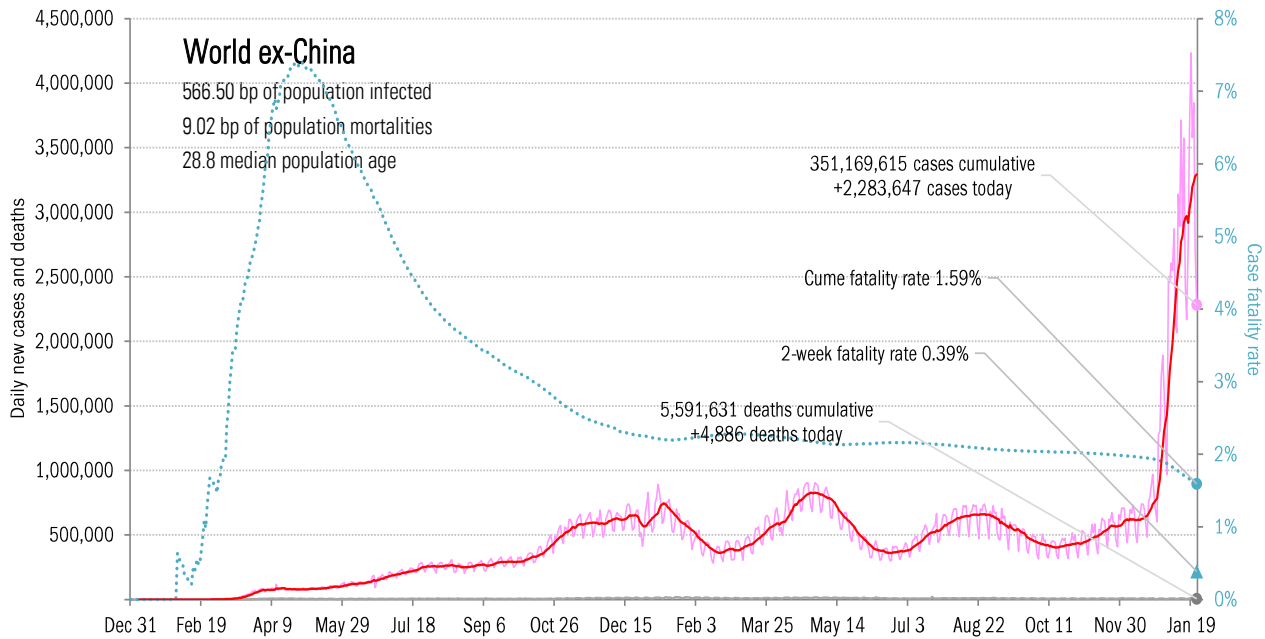
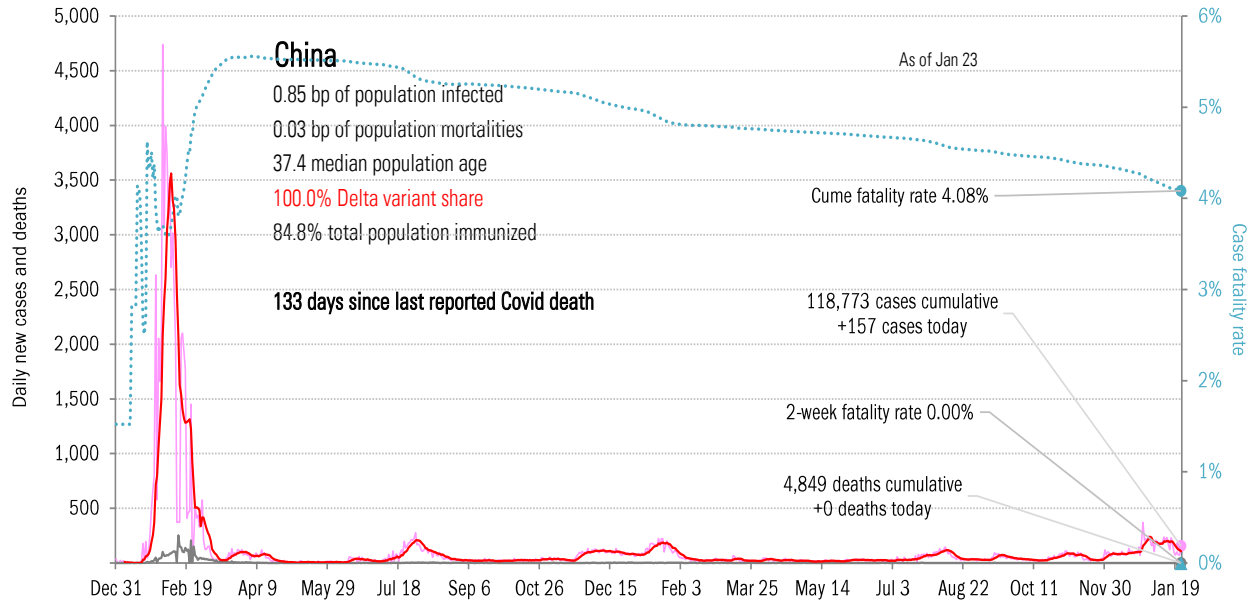
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

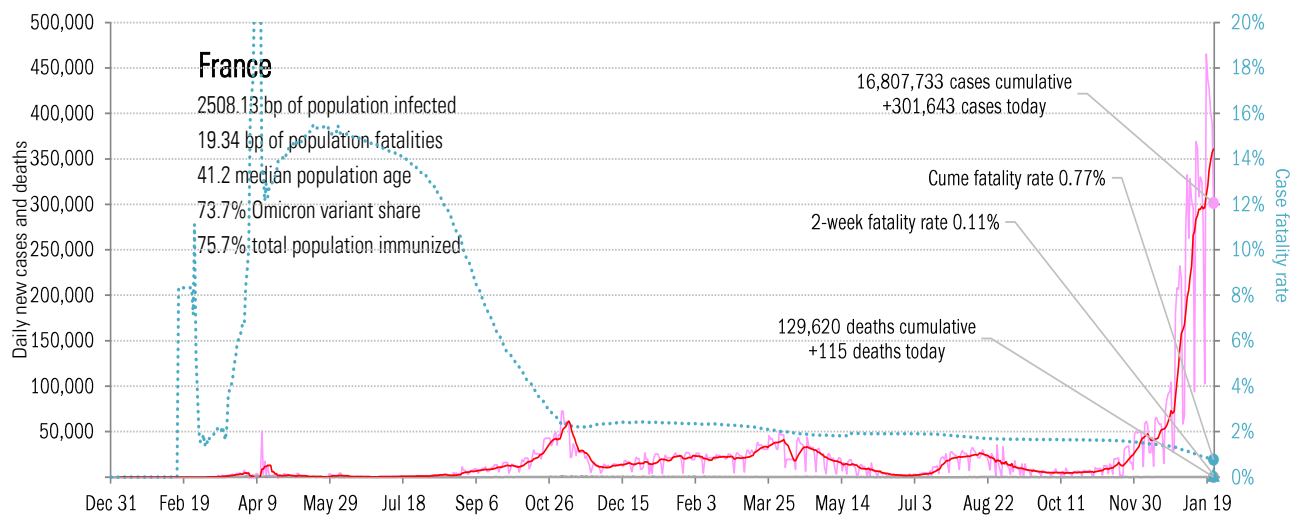
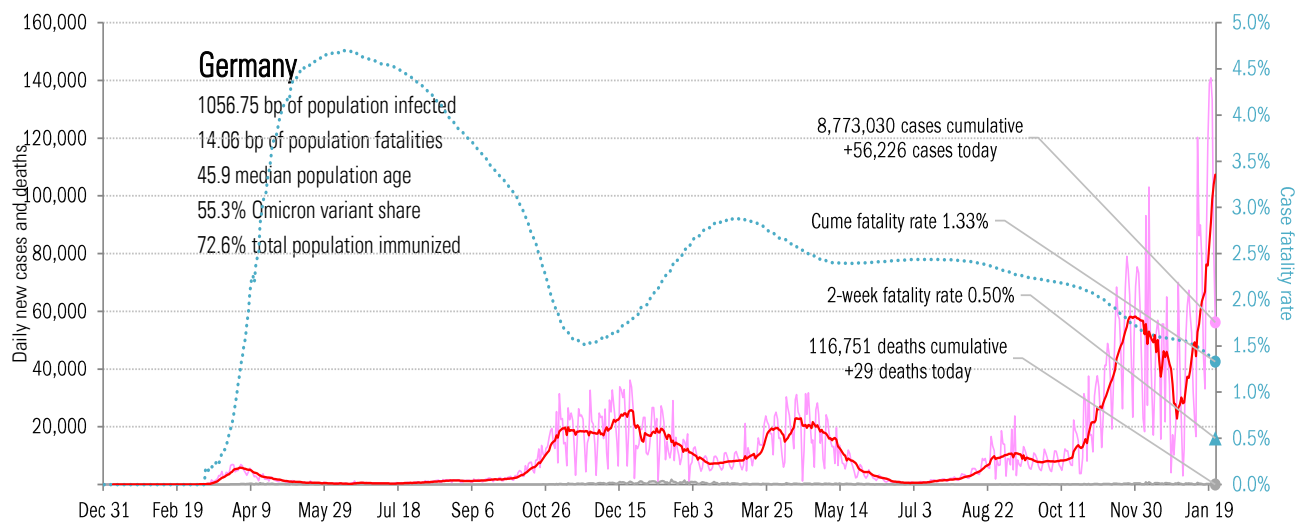
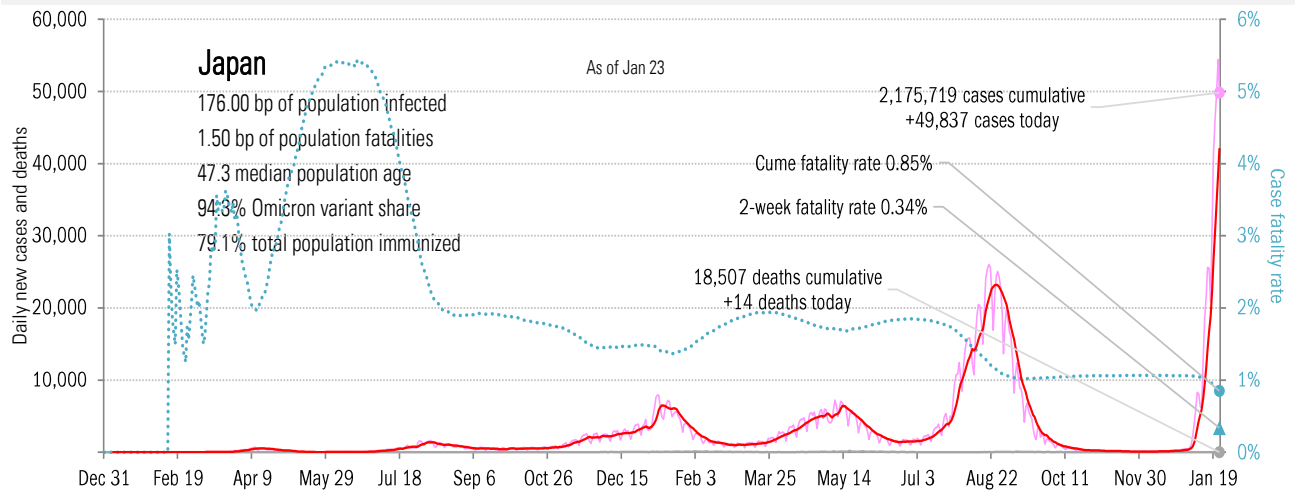
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

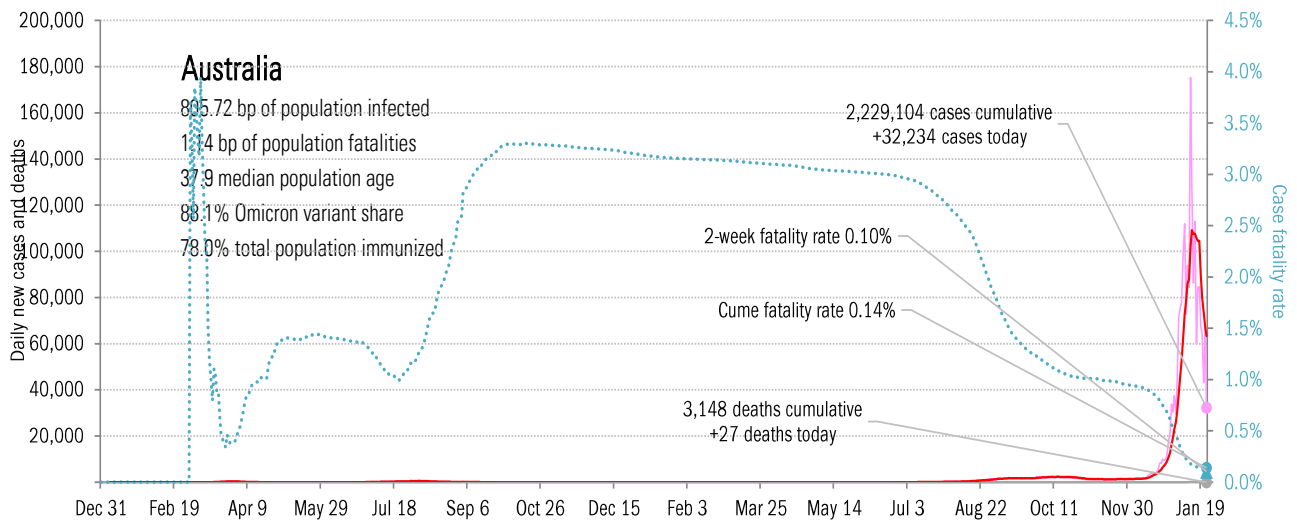
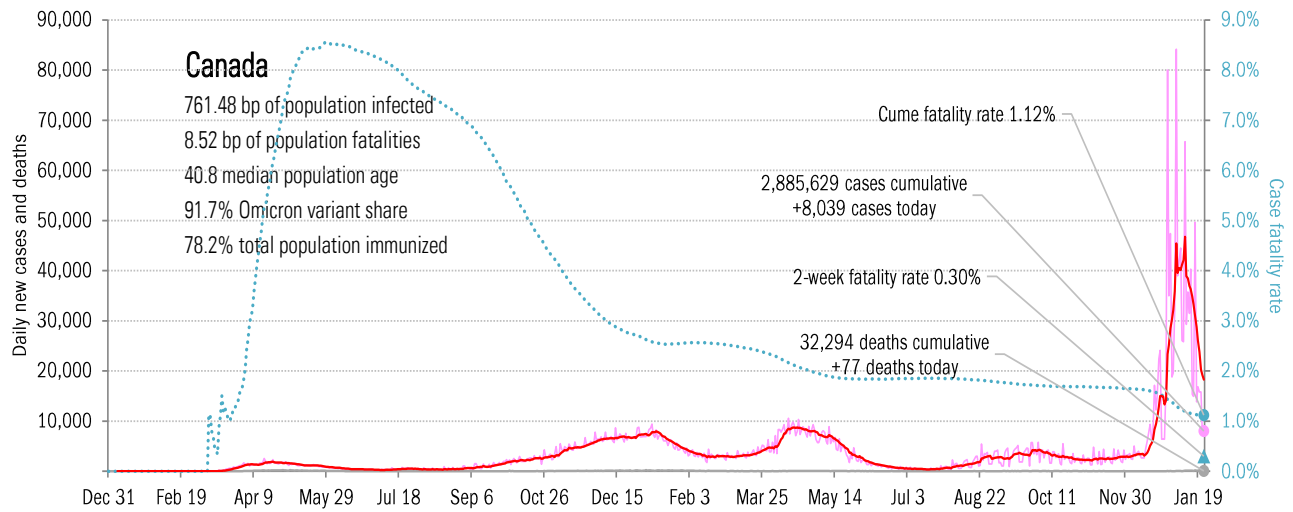
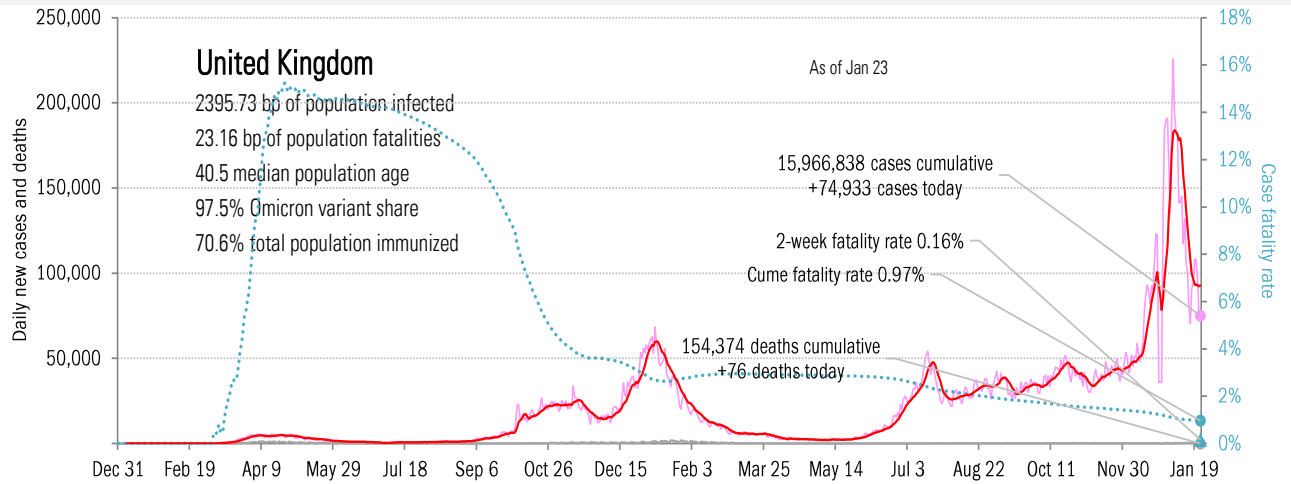
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

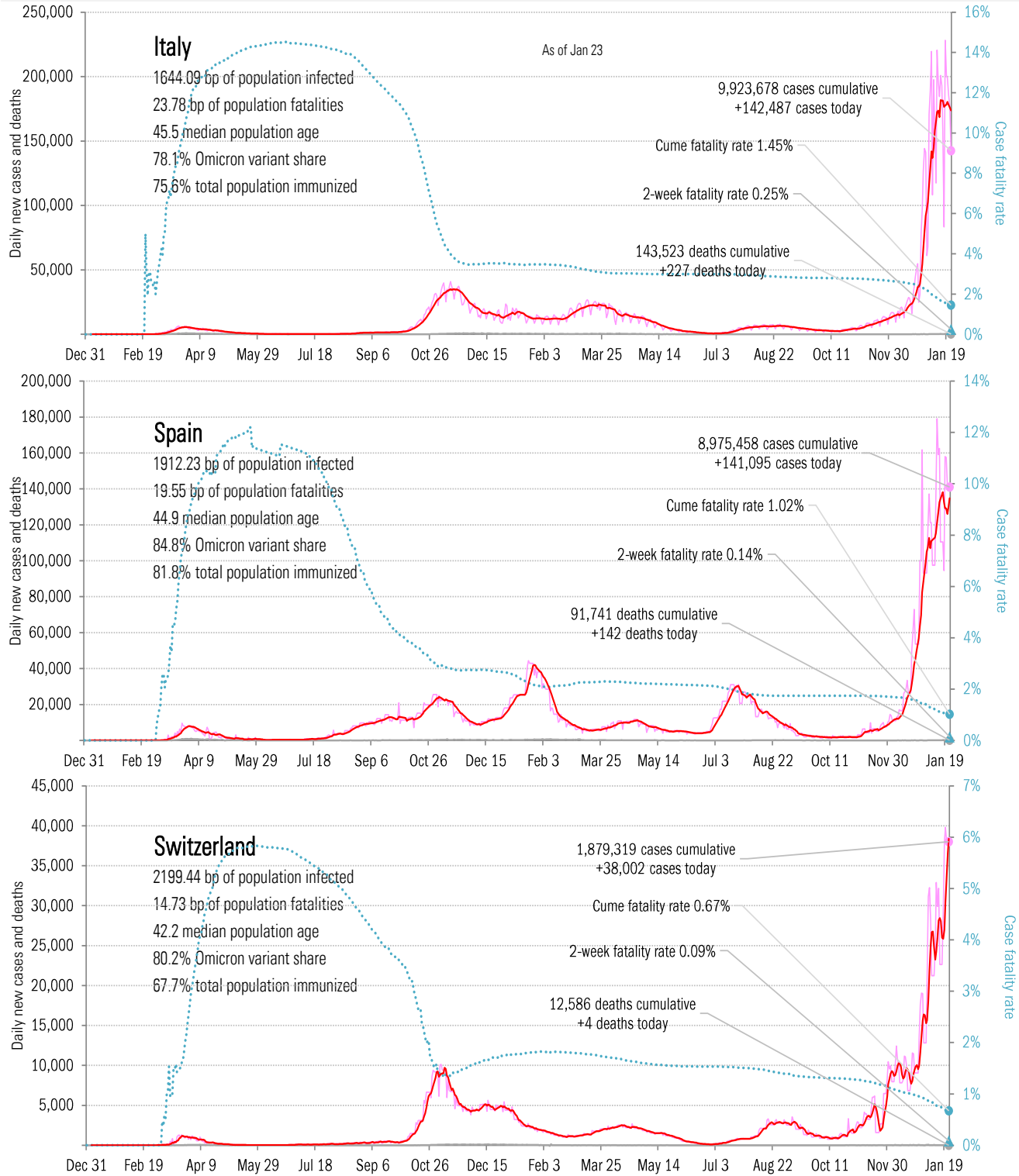


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

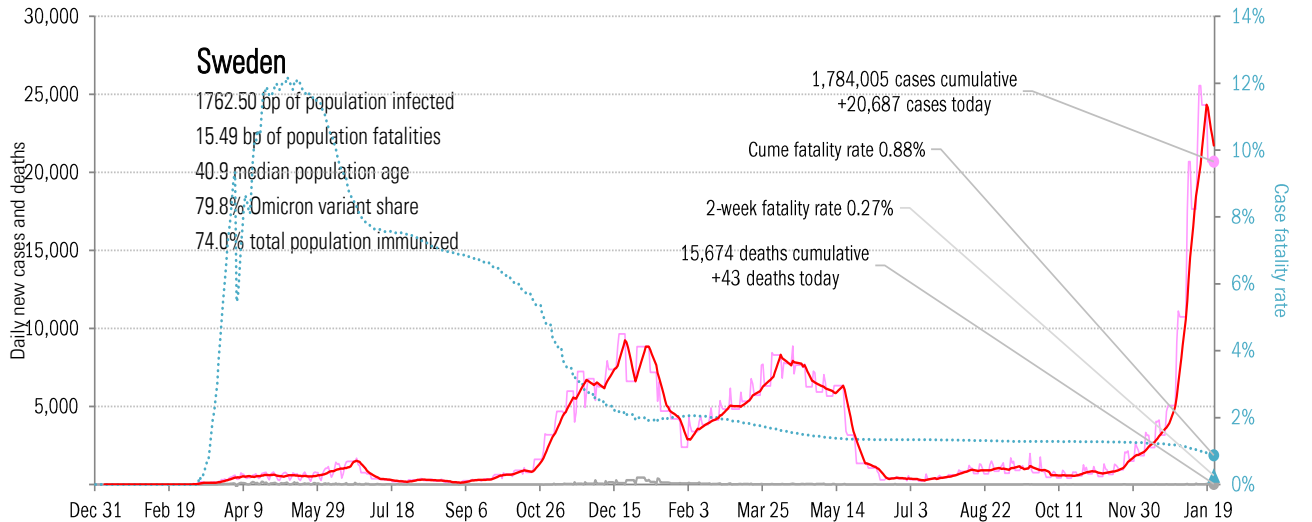
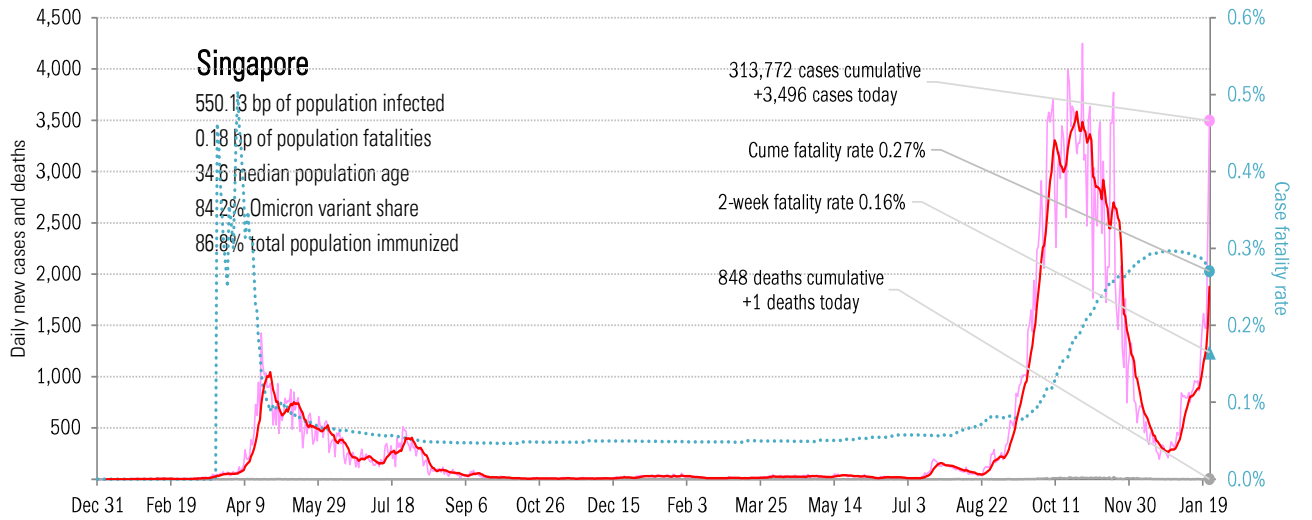
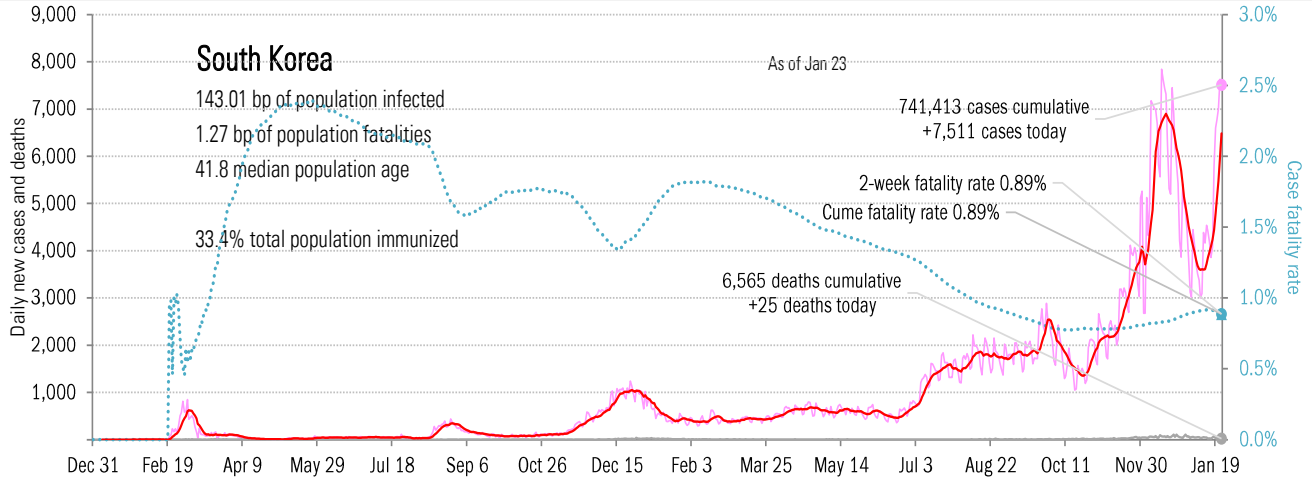
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

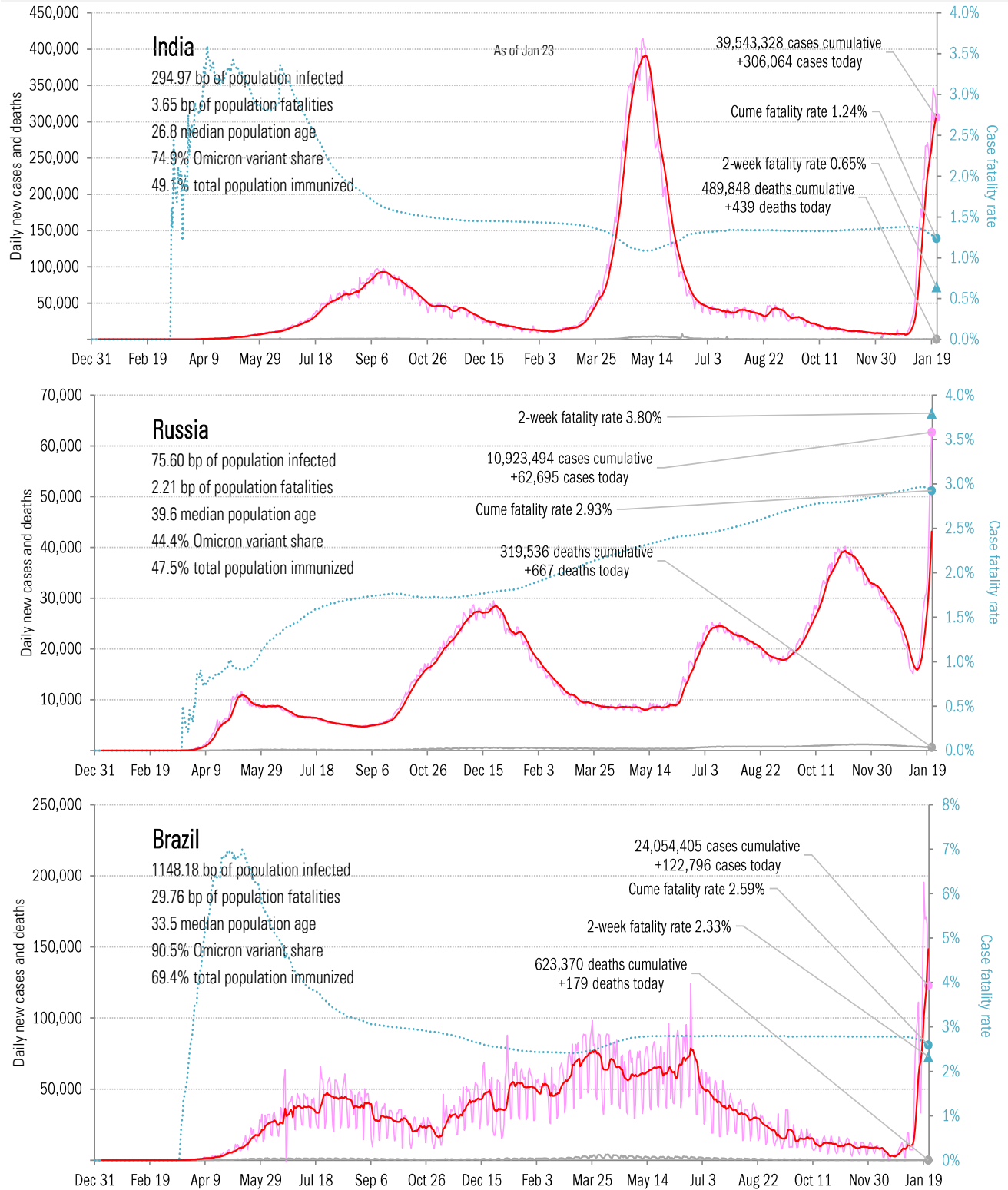
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

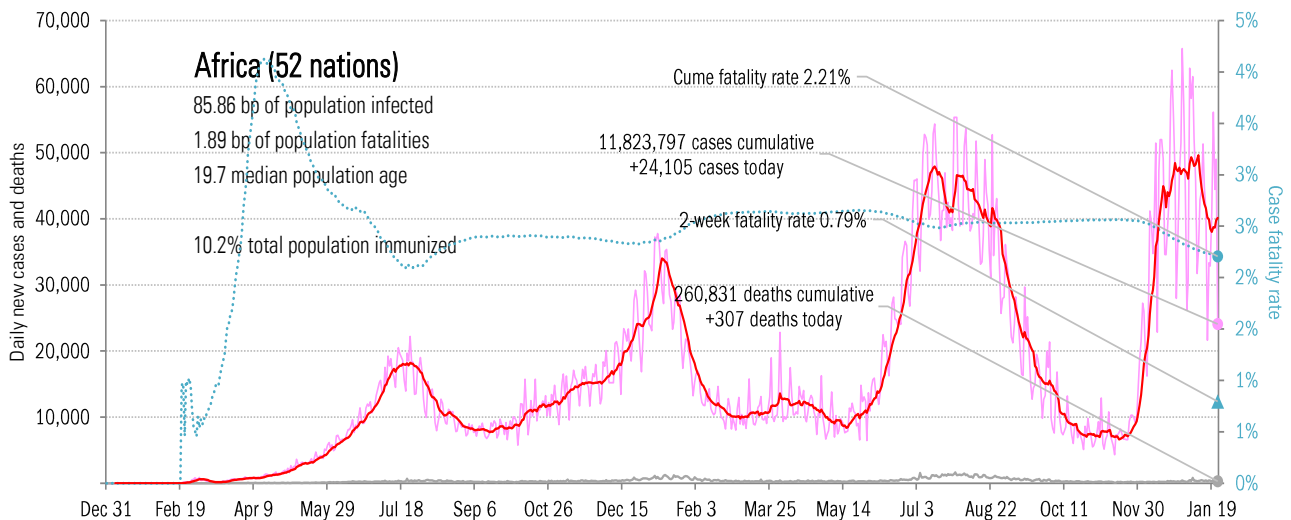
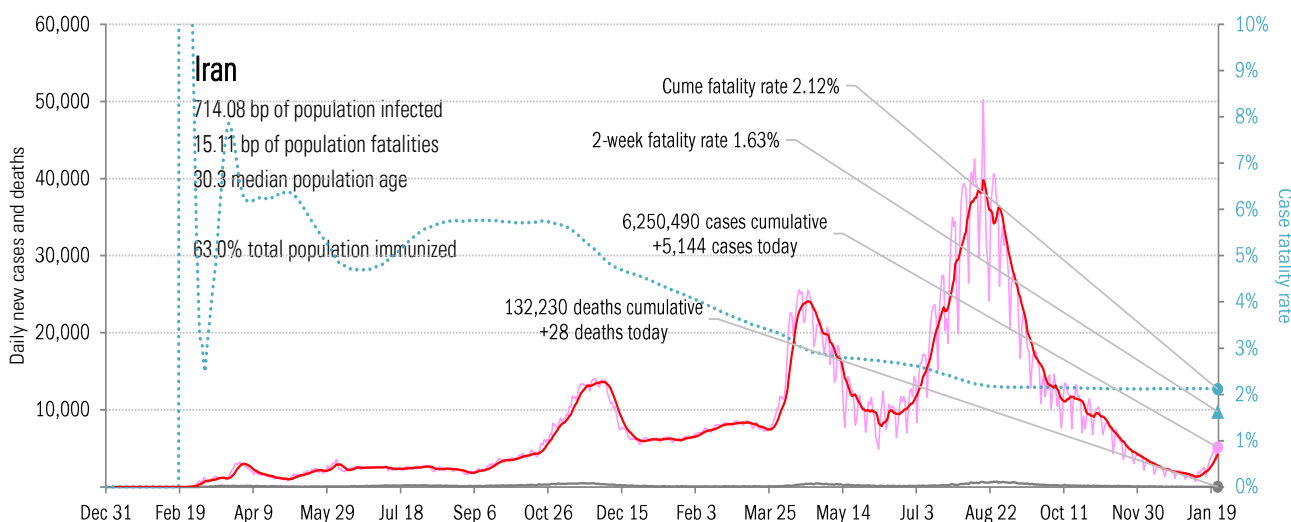
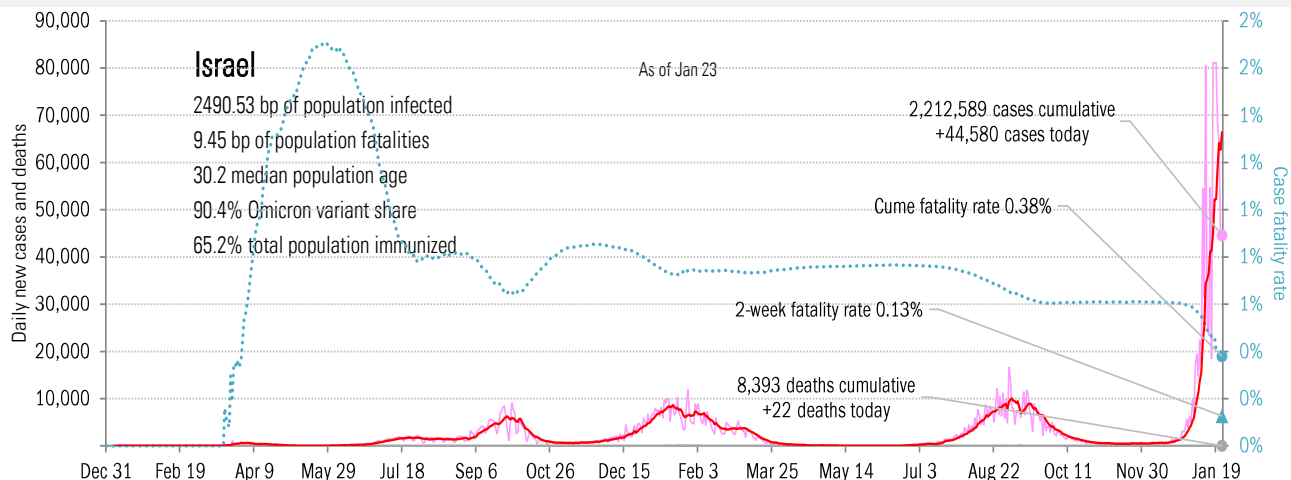
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

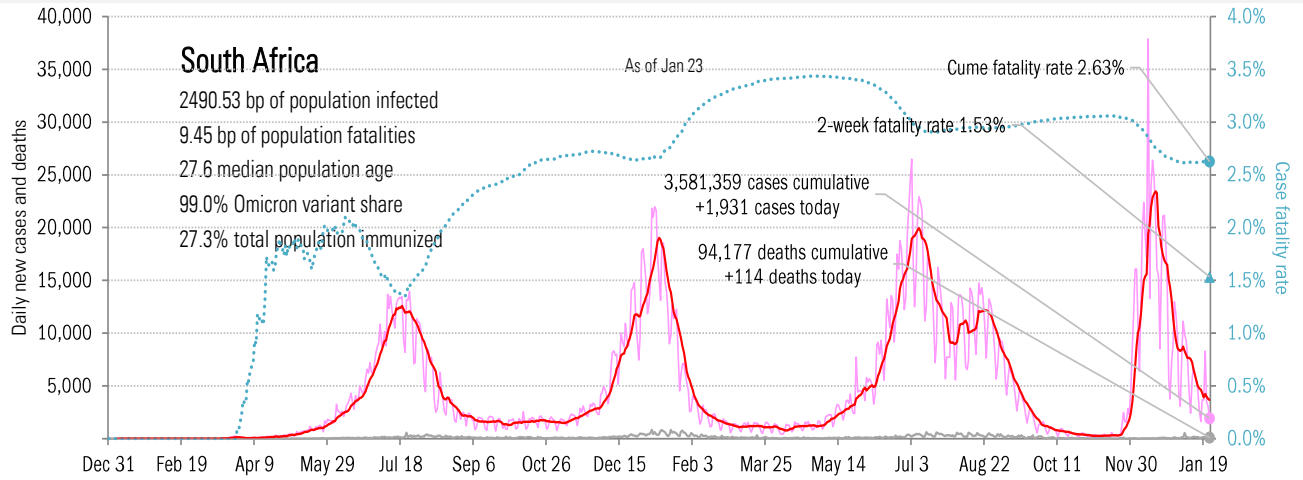
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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