

## Data Insights: Covid-2019 Monitor

Friday, January 20, 2023

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

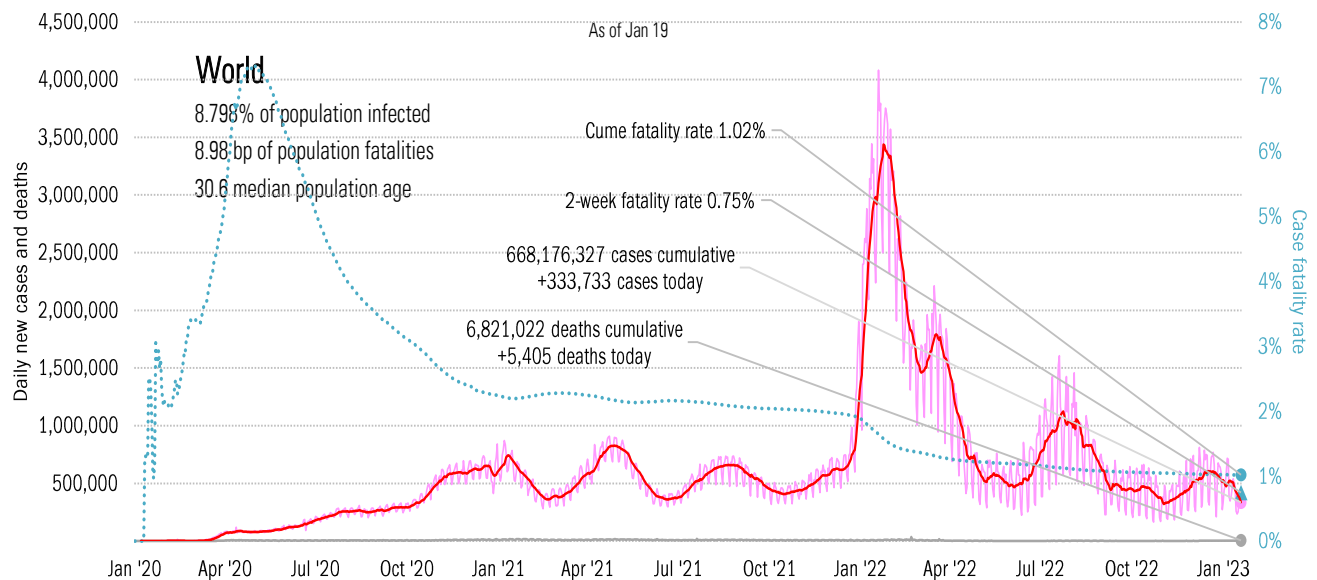
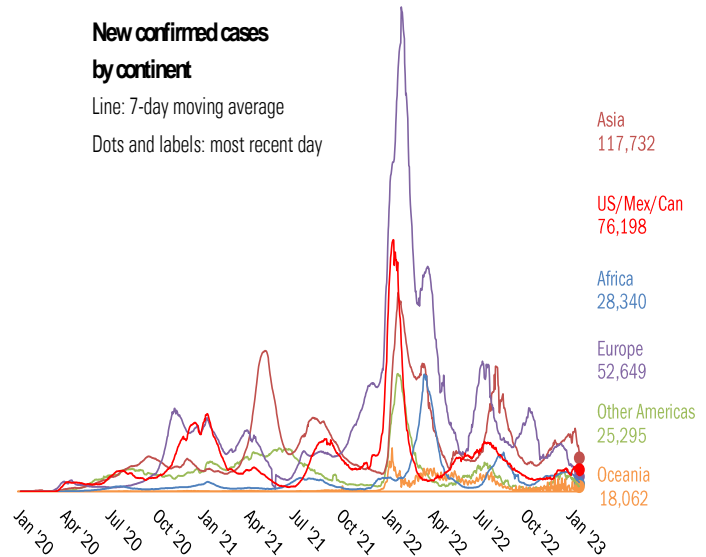
#### The worst ten countries

New cases		New Deaths	
Japan	96,392	China	1,713
United States	65,468	Japan	451
China	36,286	United States	442
Korea, South	27,408	Germany	194
Taiwan*	18,407	Canada	161
Brazil	12,425	Portugal	137
Italy	12,009	Finland	126
Germany	9,710	Italy	82
Canada	6,230	Sweden	72
Russia	5,863	United Kingdom	69
290,198		3,447	

#### New confirmed cases by continent

Line: 7-day moving average

Dots and labels: most recent day



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

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# The US scorecard

Cases: 7-day average and daily Deaths: Daily

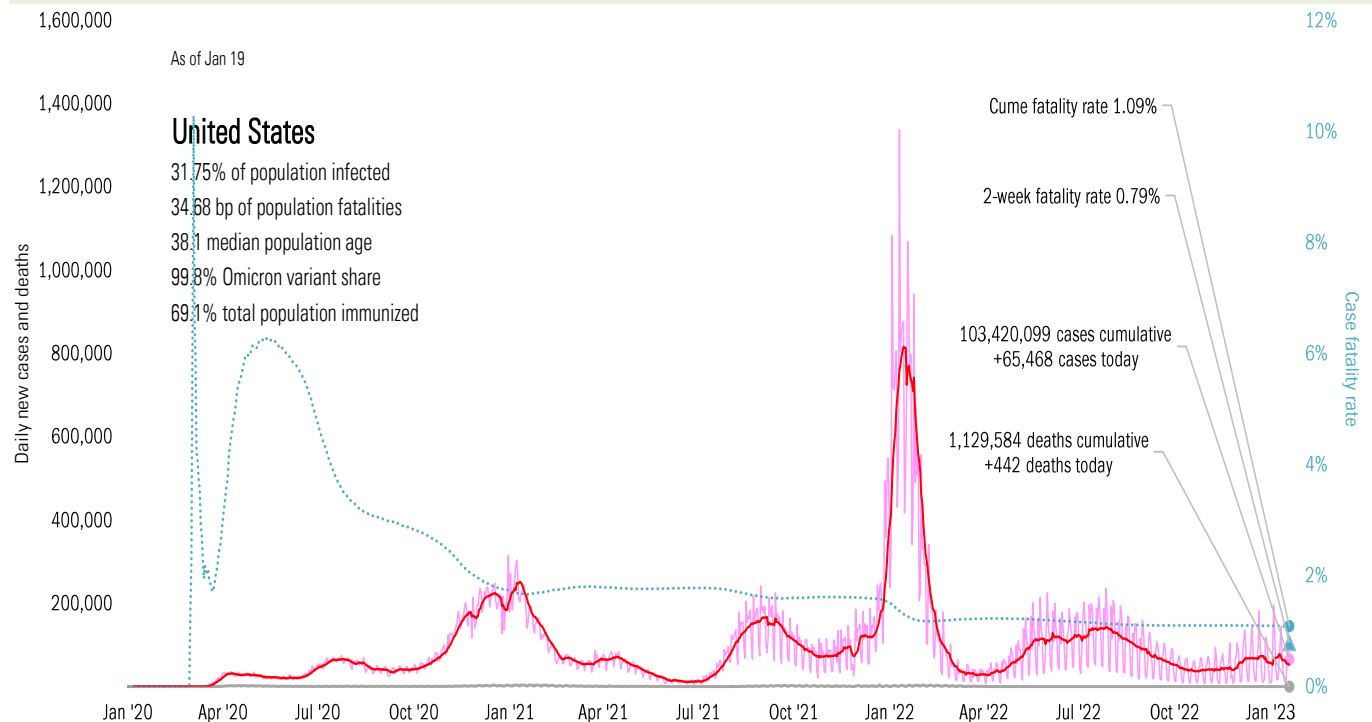
## The ten worst US states

New cases		New deaths		New in hospital		Cum cases		Cum deaths		Cum in hospital		Hospital use		ICU use							
IL	10,966	CO	51	VA	207	CA	11,952,683	CA	99,685	TX	577,833	RI	91%	TX	90%						
FL	8,562	MI	26	MN	72	TX	8,327,589	TX	92,365	CA	553,082	MA	87%	NH	89%						
CA	6,878	FL	23	WI	86	FL	7,421,680	FL	84,605	FL	522,003	NH	86%	AL	86%						
NY	5,294	MA	21	NV	35	NY	6,670,148	NY	75,924	NY	344,199	MD	86%	NC	86%						
CO	3,897	IL	19	KS	28	IL	4,008,844	PA	49,397	CH	239,523	DE	85%	DC	86%						
IN	2,960	PA	19	DC	20	PA	3,458,136	GA	41,772	GA	237,804	MO	85%	MS	85%						
NJ	2,450	AZ	18	OR	29	NC	3,398,161	CH	41,249	PA	224,192	MN	85%	MA	85%						
NC	2,249	TX	18	RI	19	CH	3,339,612	MI	41,185	IL	208,041	DC	83%	RI	85%						
VA	1,508	GA	18	VT	5	GA	3,020,166	IL	40,980	MI	177,532	NC	83%	AR	85%						
PA	1,470	NJ	14	WY	5	MI	3,017,948	NJ	35,713	NJ	157,568	MI	83%	OK	84%						
46,234		228		506		54,614,967		602,875		3,241,777											
All states		65,468		442		4,630		All states		103,420,099		1,129,584		5,879,347		All states		70%		67%	
Top ten		71%		52%		11%		Top ten		54%		55%		55%		Median		79%		77%	

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
TX	-2,153	NY	-89	FR	-99
MD	-1,658	TX	-34	LA	-73
ME	-152	MD	-31	MO	-42
CT	-146	MO	-13	FL	-34
WV	-82	WV	-5	MI	-34

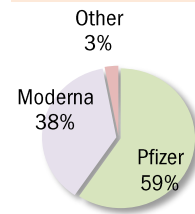


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	684,488,377		+0.192 million		US	69.1%	80.9%
			Of which boosters: +0.157 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	France	78.4%	80.6%
Total population	277,177,672	83%	236,331,846	71%	Spain	85.6%	86.9%
Age 12 to 17	18,436,781	73%	15,783,816	62%	Germany	76.2%	77.8%
Age 18 to 64	184,313,168	91%	156,693,936	77%	Italy	81.3%	86.2%
Age 65 and over	60,998,716	100%	53,444,575	98%	Australia	82.7%	84.9%
					Israel	65.2%	71.1%
					Canada	82.6%	90.3%
					Japan	83.3%	84.4%
					Africa	28.0%	33.9%
					India	67.1%	72.5%
					Brazil	81.4%	87.8%
					China	89.5%	91.9%



AK
72.9%
65.0%

State
At least partial immunity as % population
Full immunity as % population

\*Immunity = two doses

Best
Middle
Worst

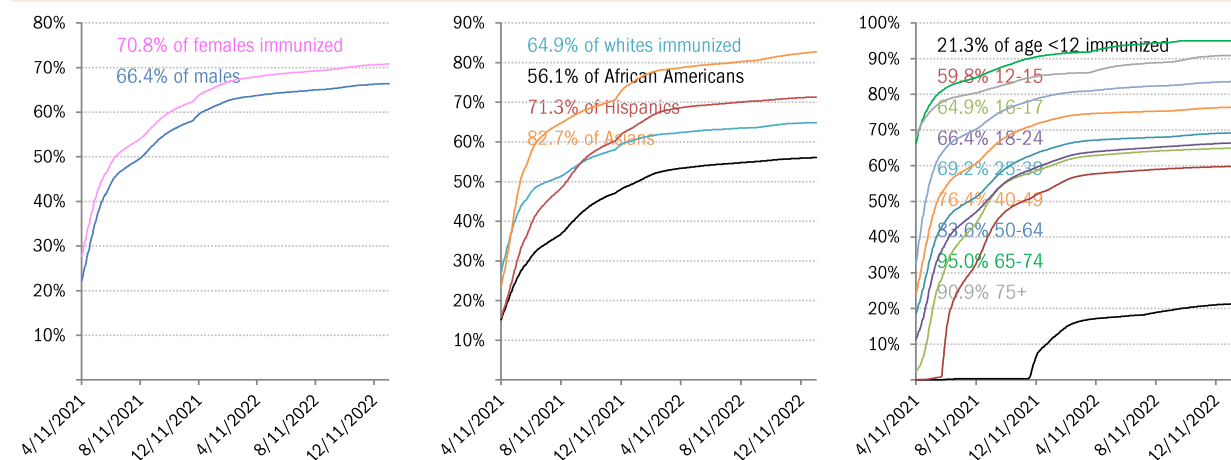
WI
75.0%
68.1%

As of Jan 20

ME
95.0%
83.2%

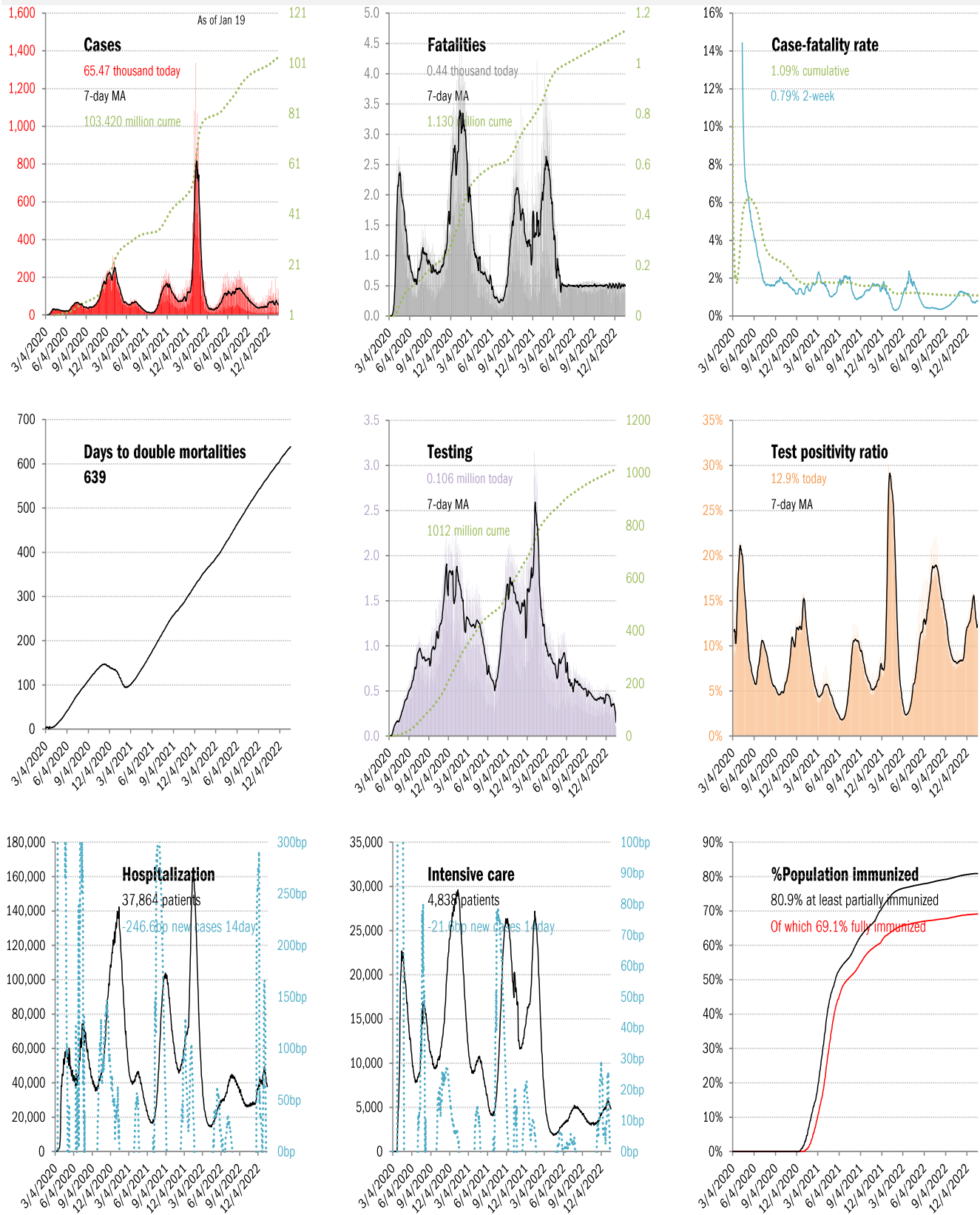
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH	
85.1%	63.8%	68.2%	69.2%	78.6%	79.0%	69.3%		94.3%	95.0%	88.0%	
75.9%	56.4%	59.1%	58.5%	72.0%	71.1%	62.2%		80.6%	85.5%	71.8%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA		
81.4%	77.5%	60.8%	83.6%	70.5%	64.3%	65.6%	90.4%	94.5%	95.0%		
72.2%	63.6%	53.0%	66.1%	64.3%	57.7%	60.4%	73.2%	79.0%	84.1%		
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI	
84.6%	75.1%	83.5%	73.3%	69.2%	68.7%	67.4%	90.8%	91.5%	95.0%	95.0%	
74.5%	66.6%	73.3%	66.1%	58.9%	59.5%	59.6%	76.5%	79.6%	82.9%	87.5%	
	AZ	NM	KS	AR	TN	NC	SC	DC	DE		
	77.3%	94.2%	76.0%	69.8%	64.3%	91.9%	70.9%	95.0%	88.0%		
	65.9%	75.0%	65.2%	56.8%	56.2%	67.0%	59.8%	90.1%	73.2%		
			OK	LA	MS	AL	GA				
			74.5%	62.7%	61.5%	64.9%	68.3%				
			60.4%	55.0%	53.6%	53.1%	57.2%				
			TX						FL		PR
			76.2%						82.3%		90.8%
			63.1%						69.3%		83.9%

## The demographics of US vaccination

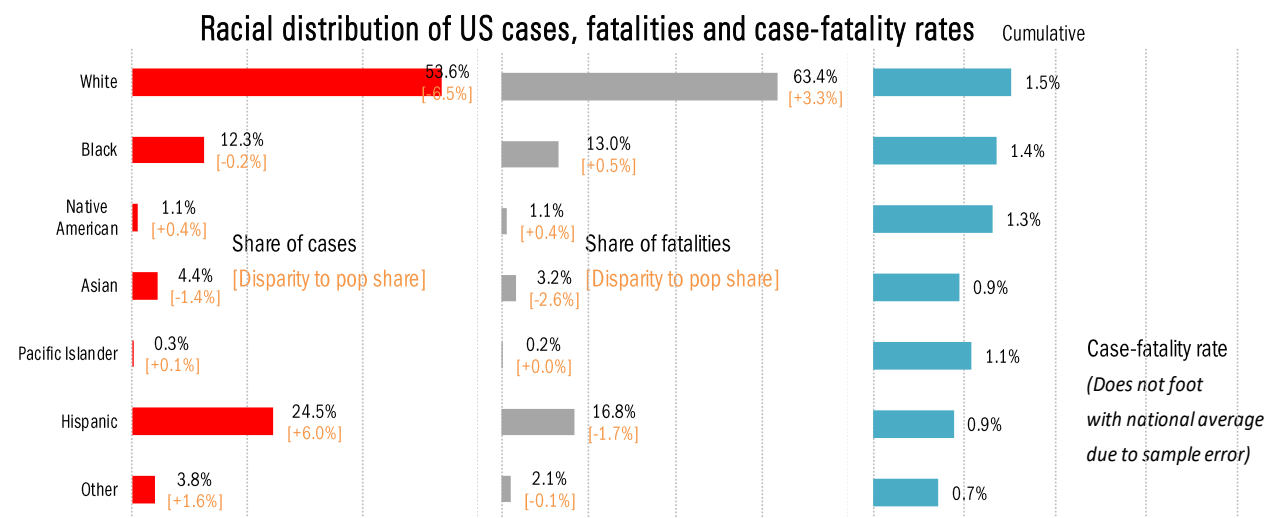
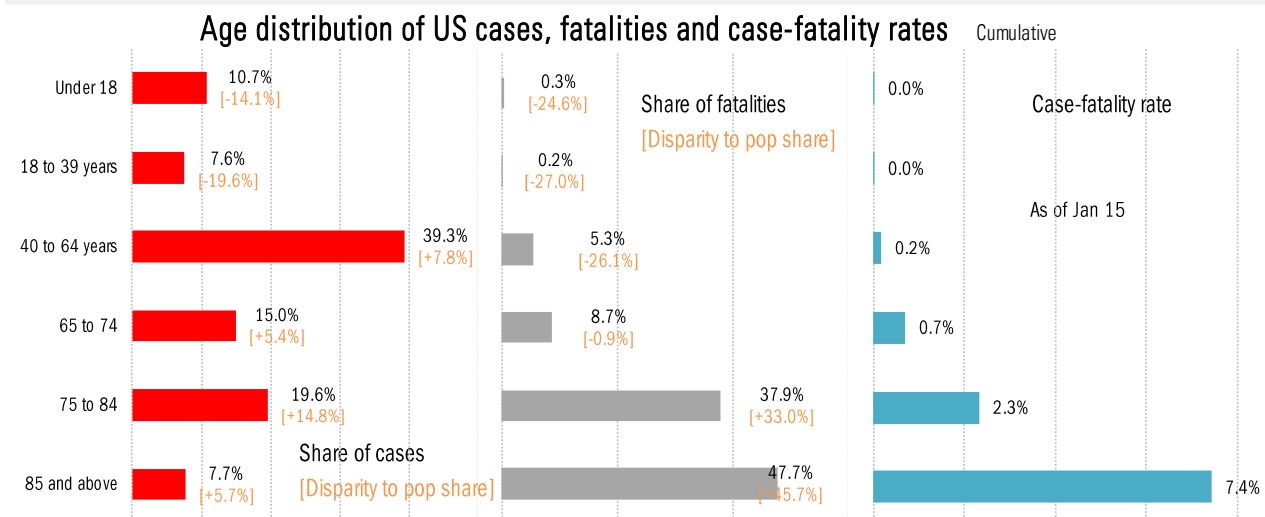


Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

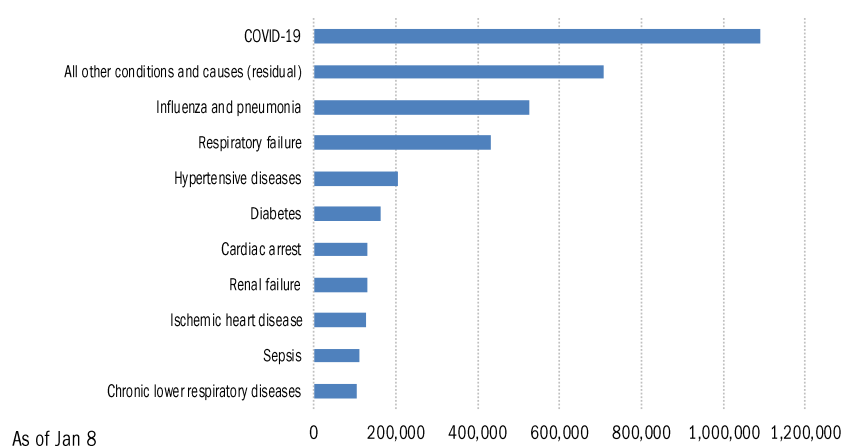


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



## 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

### [Where'd All the Workers Go?](#)

Bret Swanson

*Infonomena*

January 19, 2023

### [Liu pitches China's reopening to CEOs at private Davos lunch](#)

Anne-Sylvaine Chassany and Stephen Morris

*Financial Times*

January 19, 2023

### [The 'Covid Queen' of New Zealand's Reign is Coming to an End](#)

Kyle Becker

*The Wildfire Newsletter*

January 19, 2023

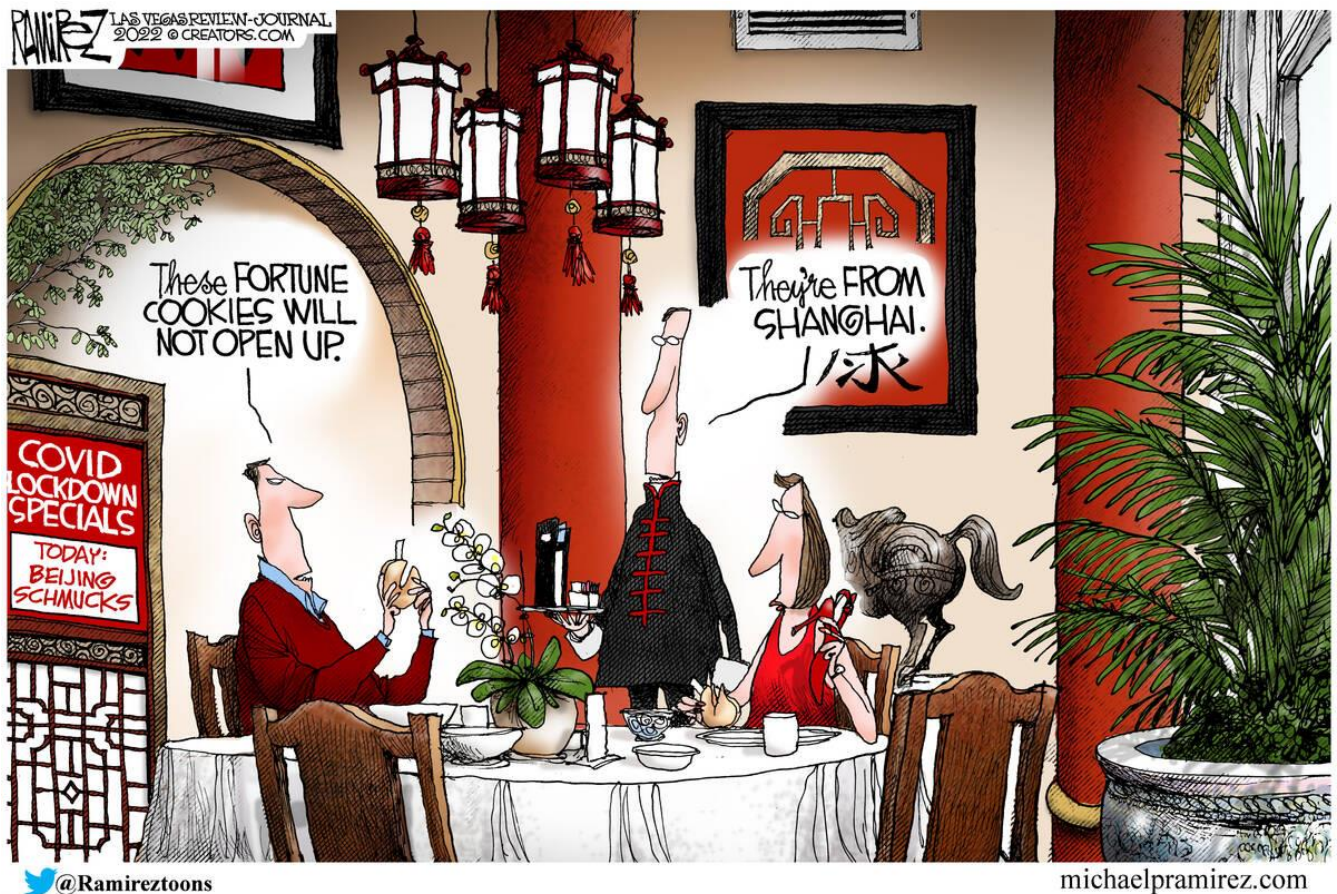
### [VERY URGENT: After four shots, Covid jabs sharply REDUCED immune function in mice](#)

Alex Berenson

*Unreported Truths*

January 18, 2023

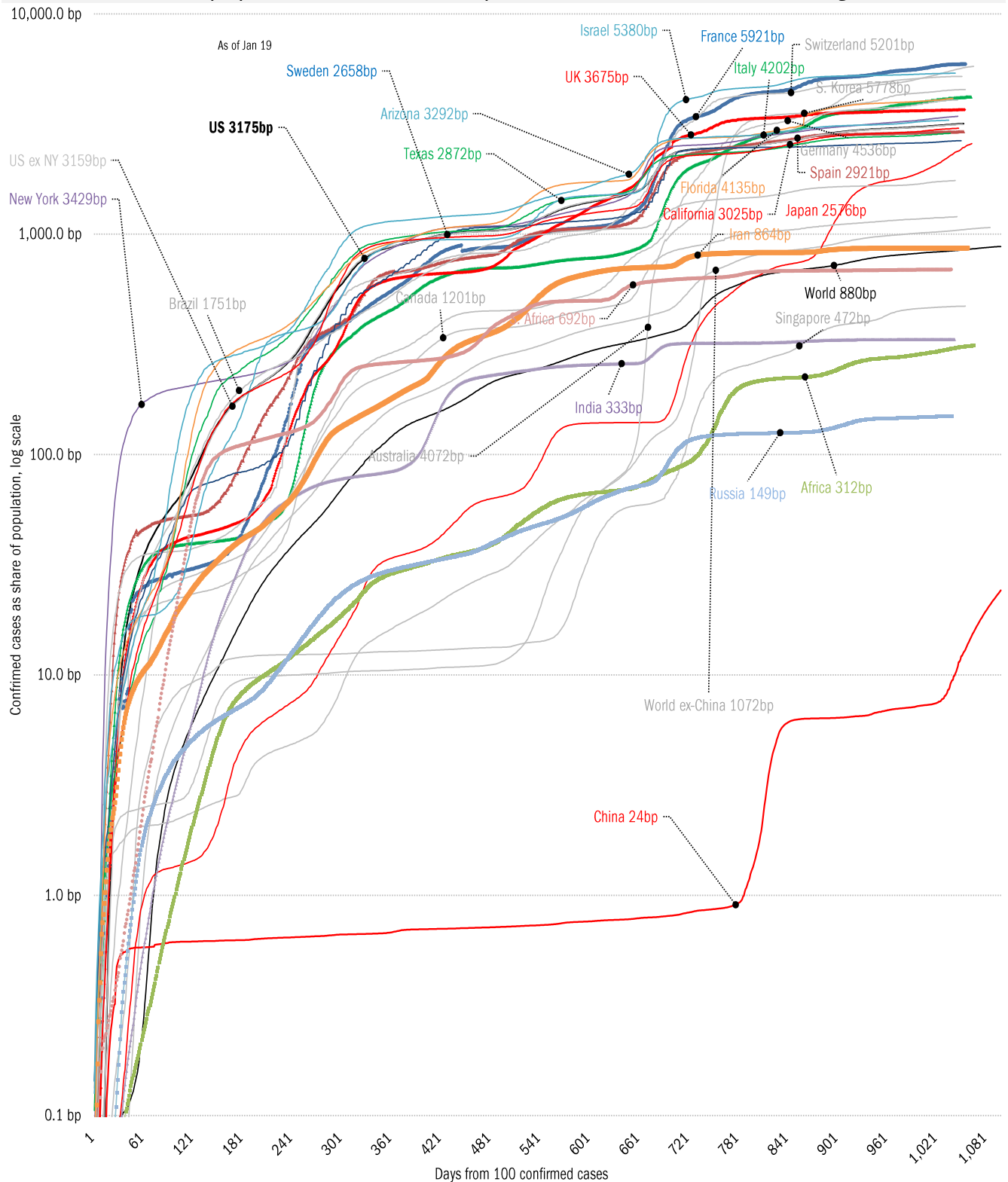
## Meme of the Day



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

# The global coronavirus case accelerometer... tracking the world's infection curves

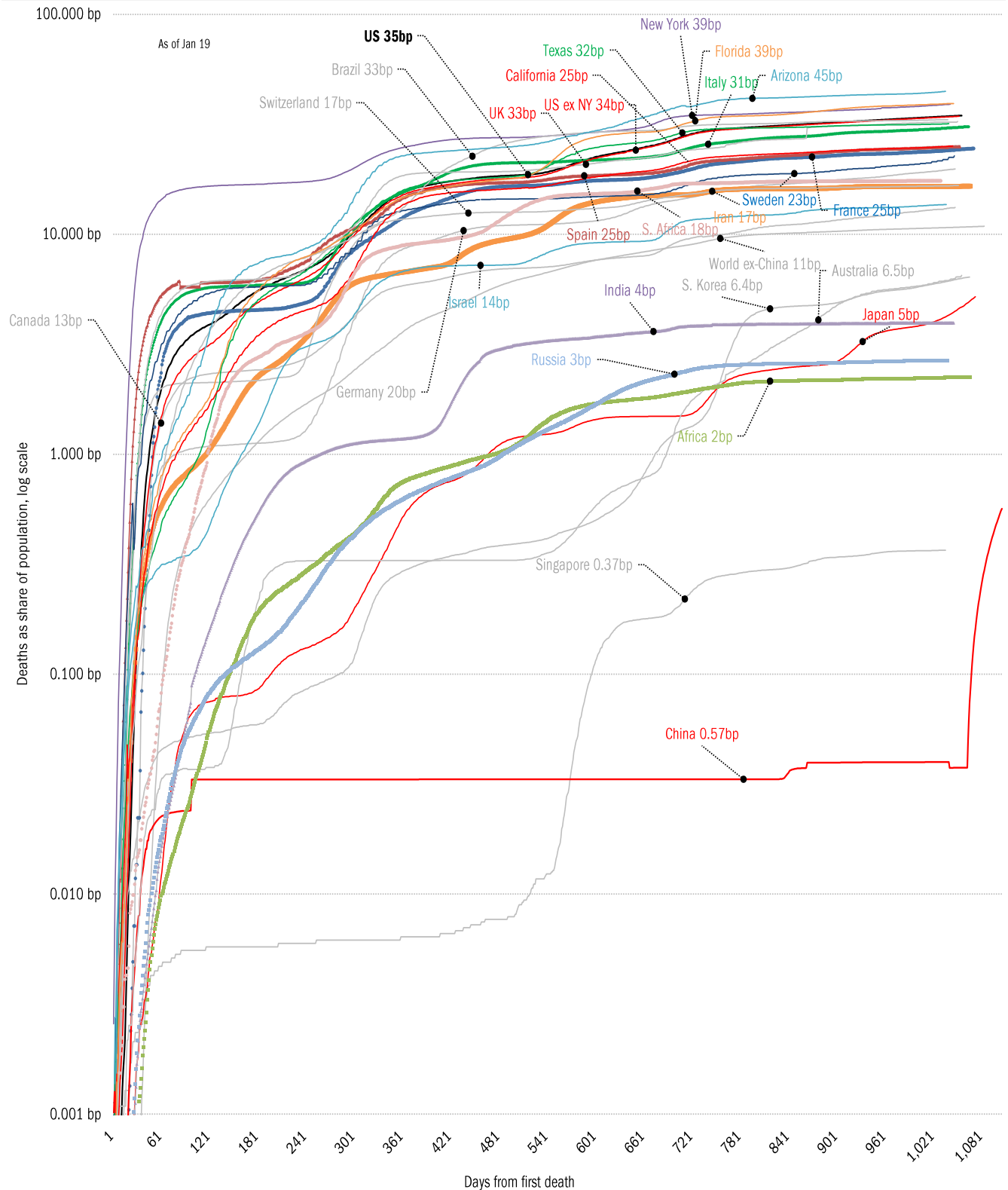
*Share of infected population from first day with 100 confirmed cases, log scale*



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

# The global coronavirus mortality accelerometer ... tracking the world's fatality curves

*Share of population deceased from day of first fatality, log scale*



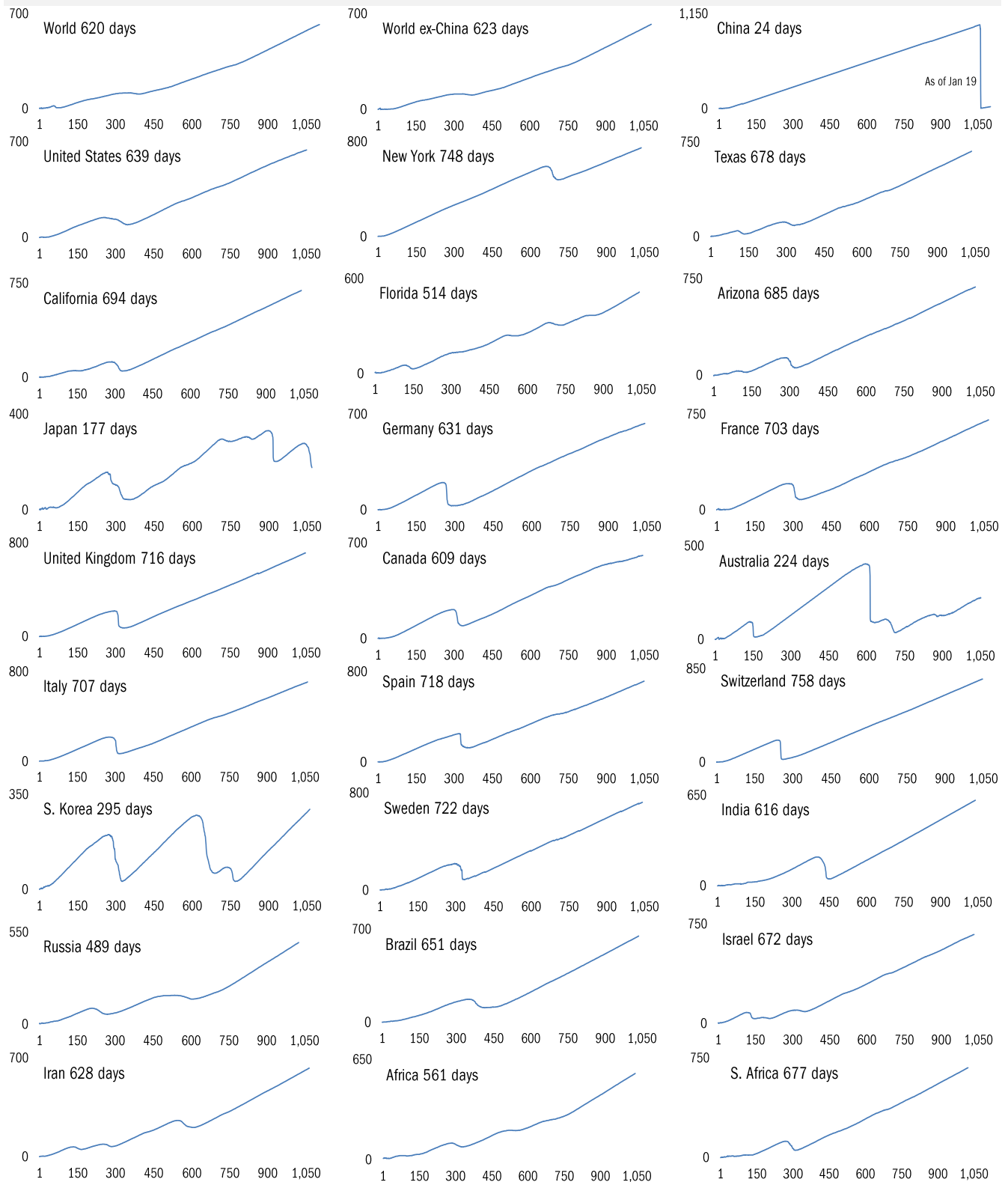
Source: [Johns Hopkins](#), TrendMacro calculations



# Our most reliable evidence of the rate of spread of Covid-2019

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

Higher is good Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

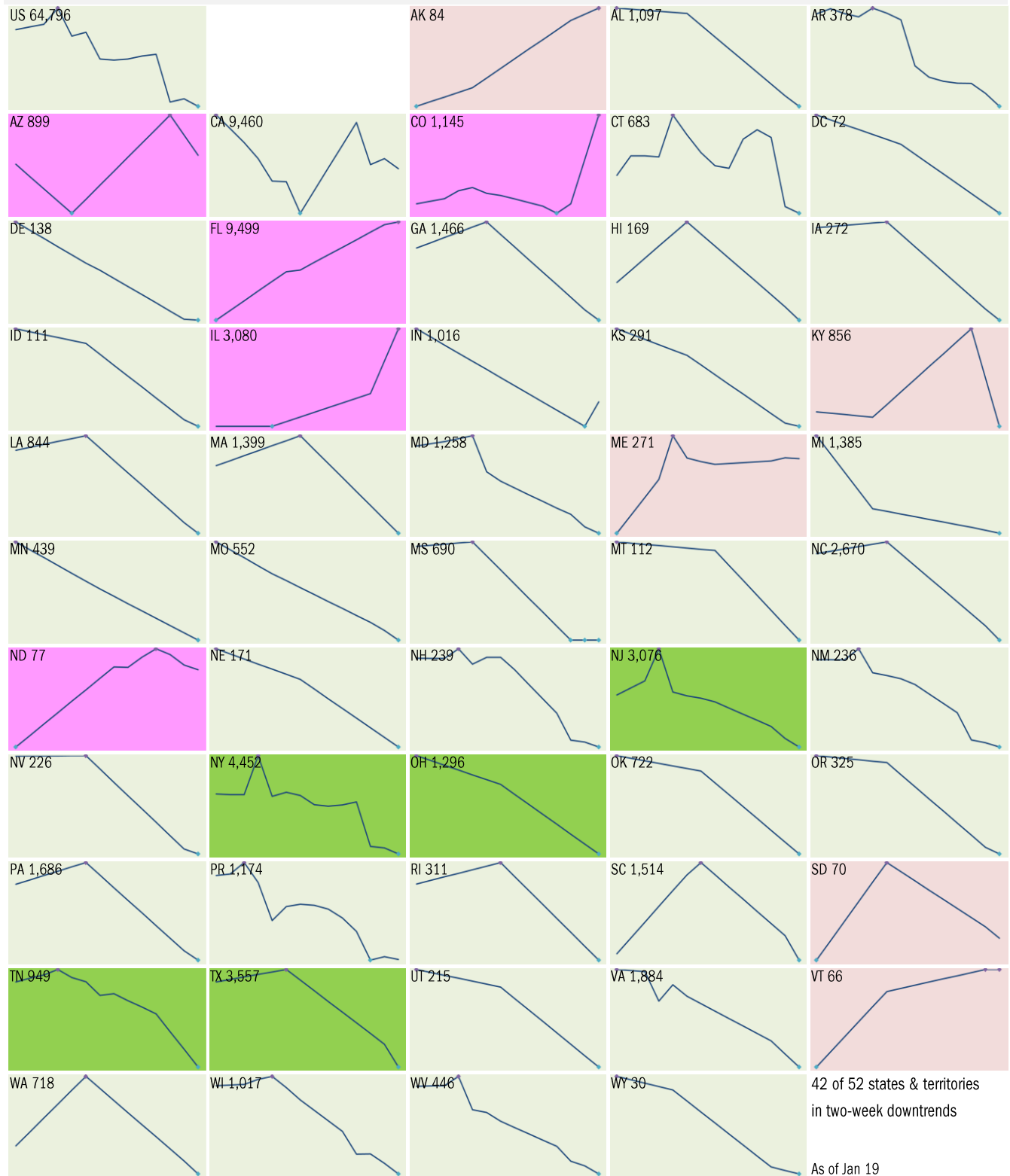


Source: [Johns Hopkins](#), TrendMacro calculations

## 14-day 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

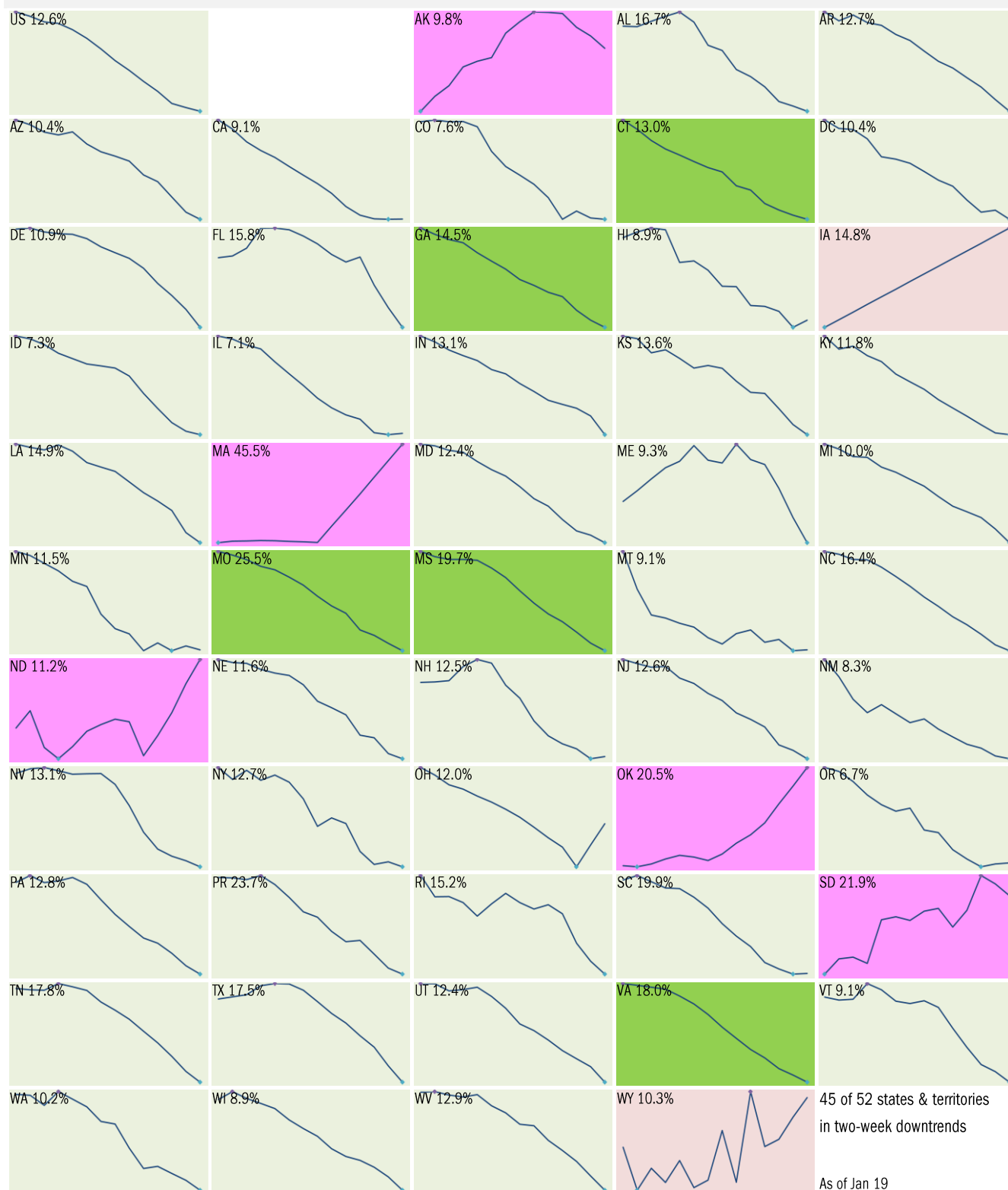


Source: [Johns Hopkins](#), TrendMacro calculations

## 14-day trajectory in test-positivity ratio

14-day moving average, last 14 days Most recent value displayed ● High ● Low

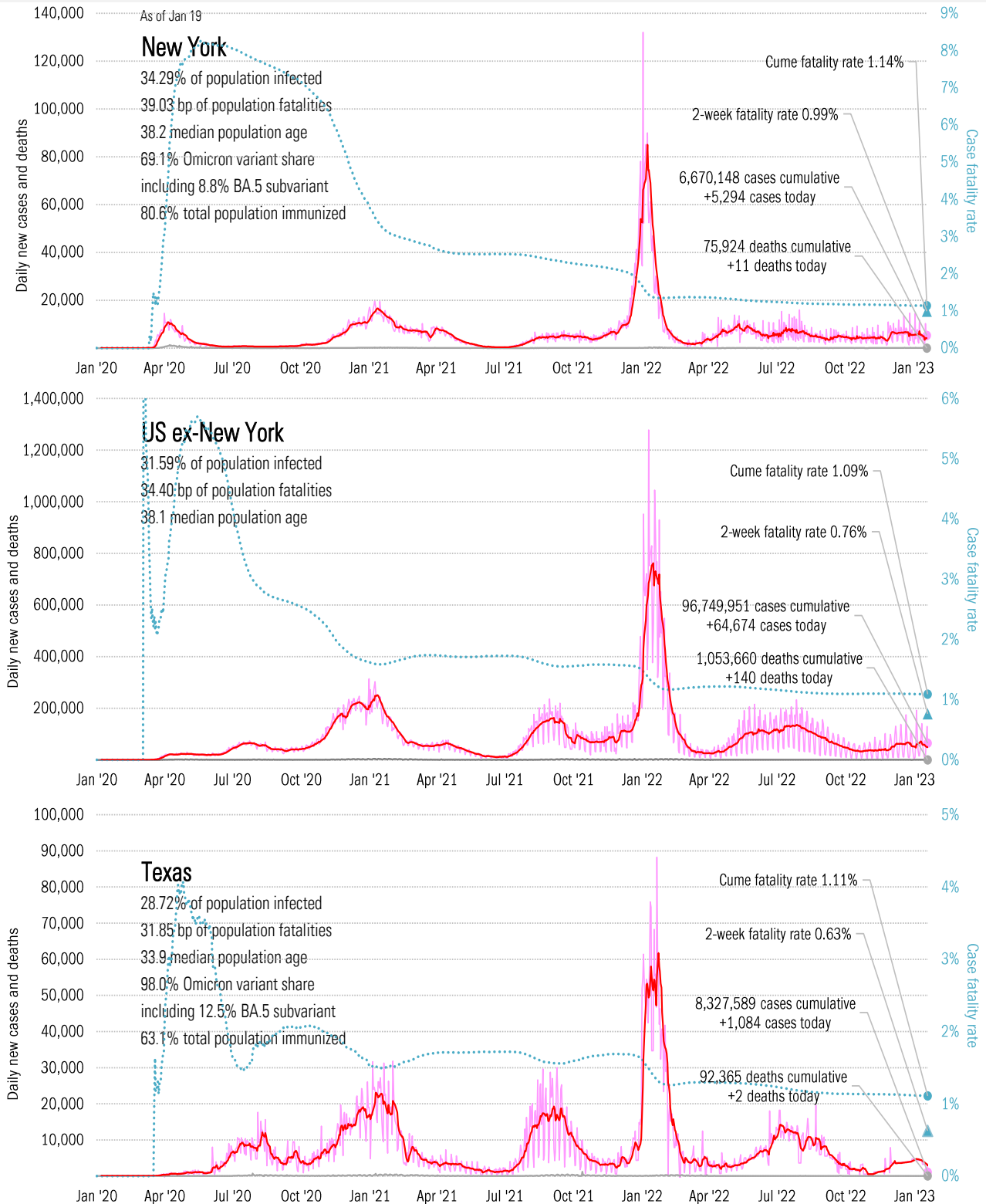
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](https://covidactnow.com), TrendMacro calculations

# From Ground Zero to the Rio Grande

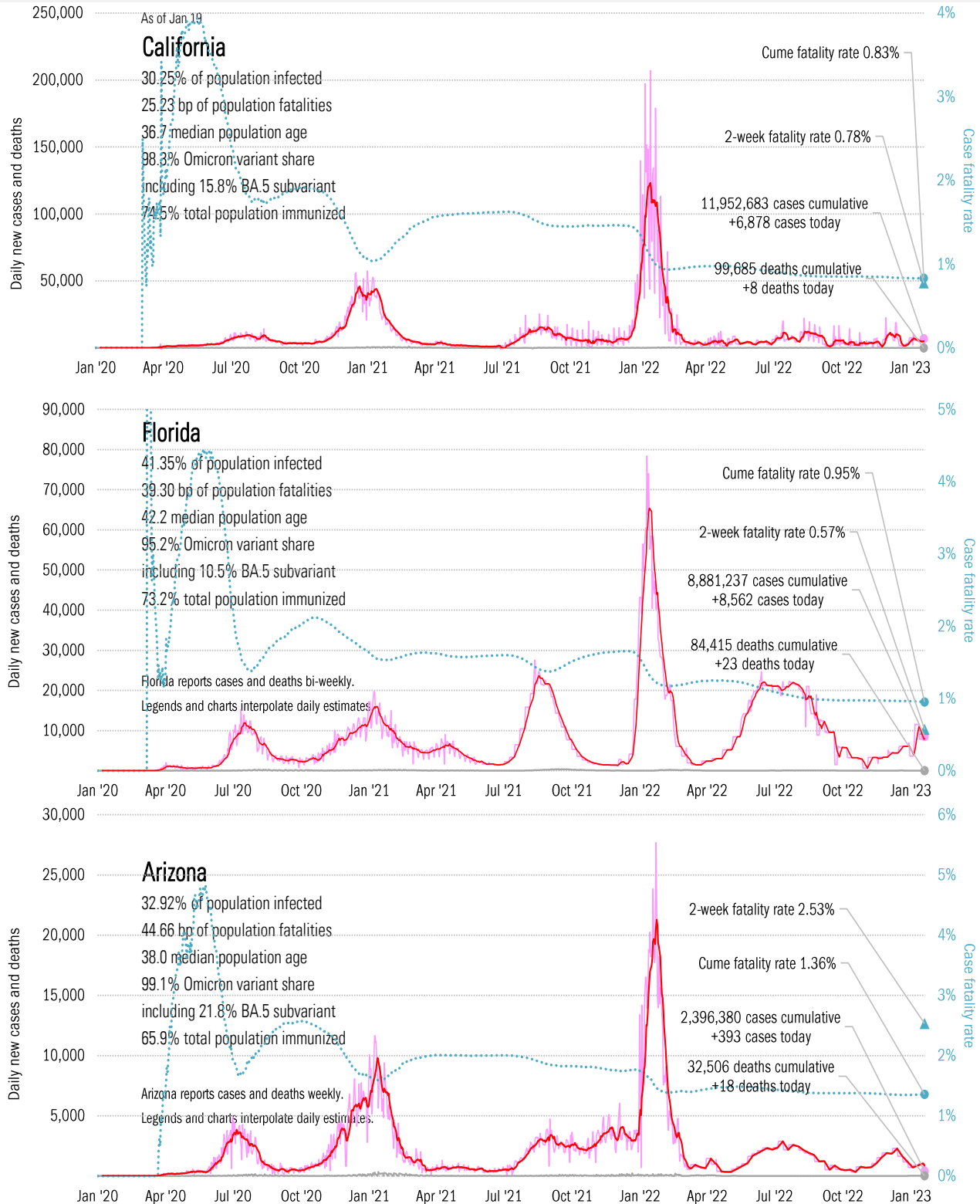
Cases: 7-day average and daily Deaths: Daily



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

## The sun-belt hot-spot states

Cases: 7-day average and daily Deaths: Daily

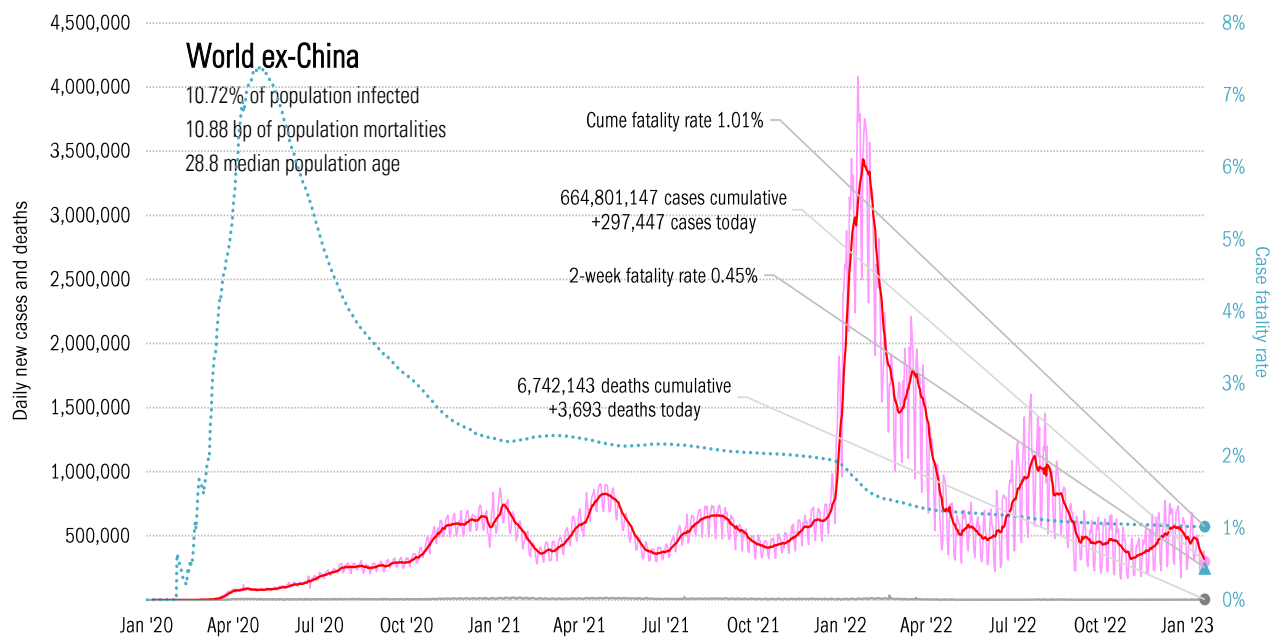
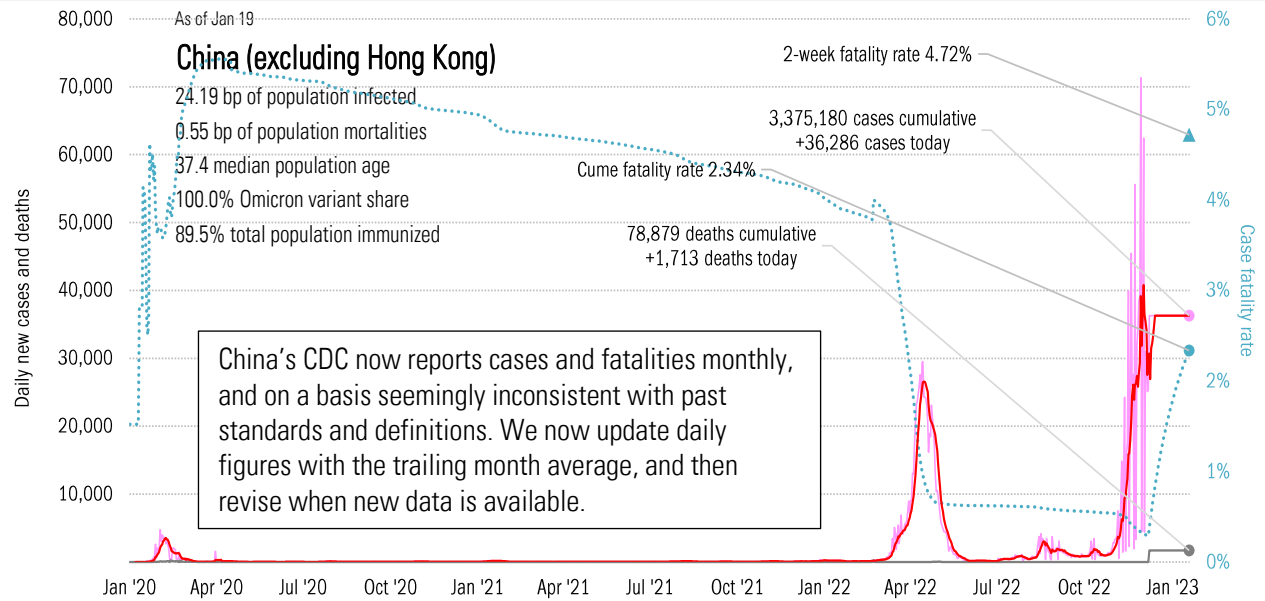


Source: [Johns Hopkins](#), TrendMacro calculations



# Patient zero... and then everyone else

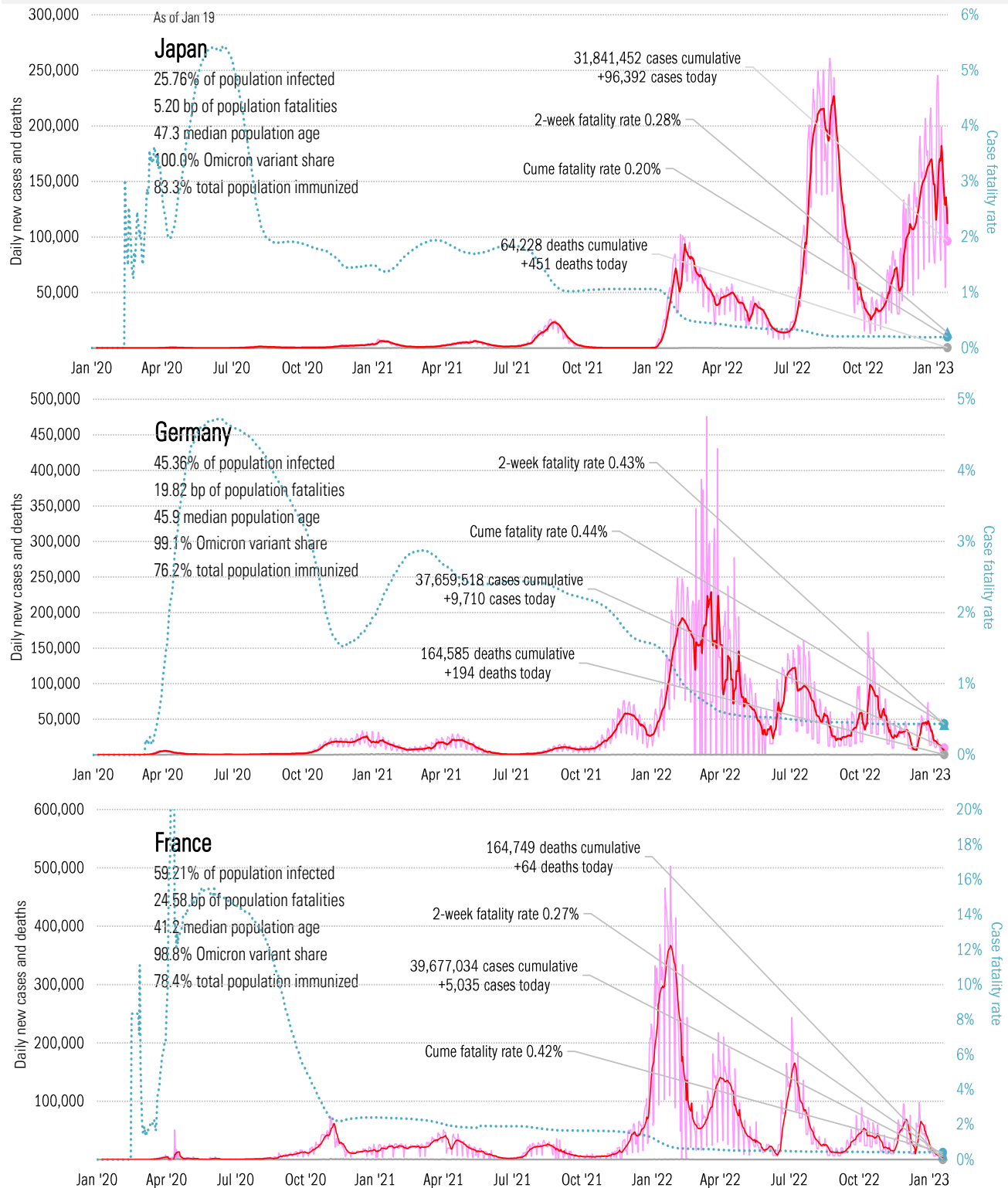
Cases: 7-day average and daily Deaths: Daily



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

## Impact in the largest economies

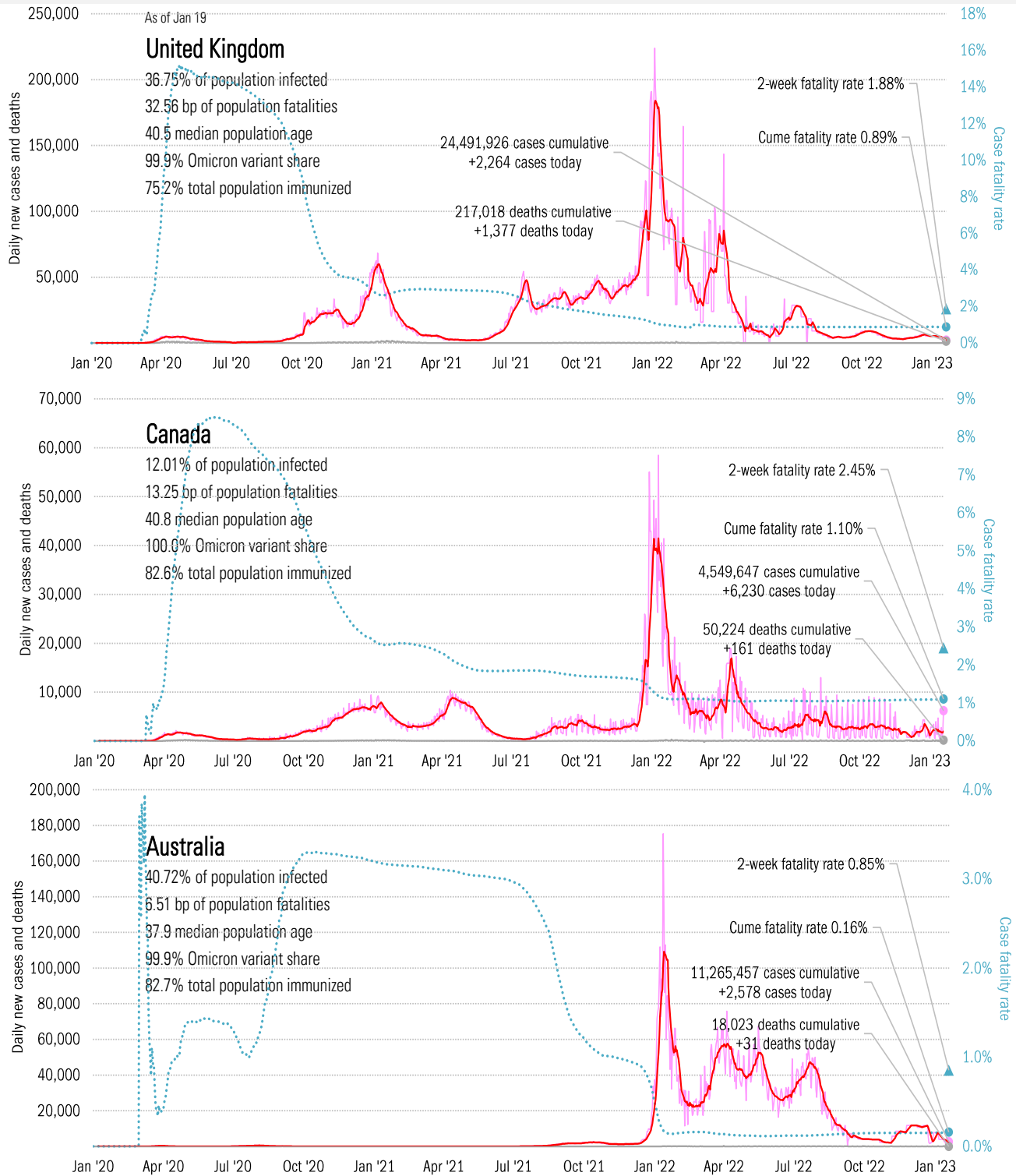
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

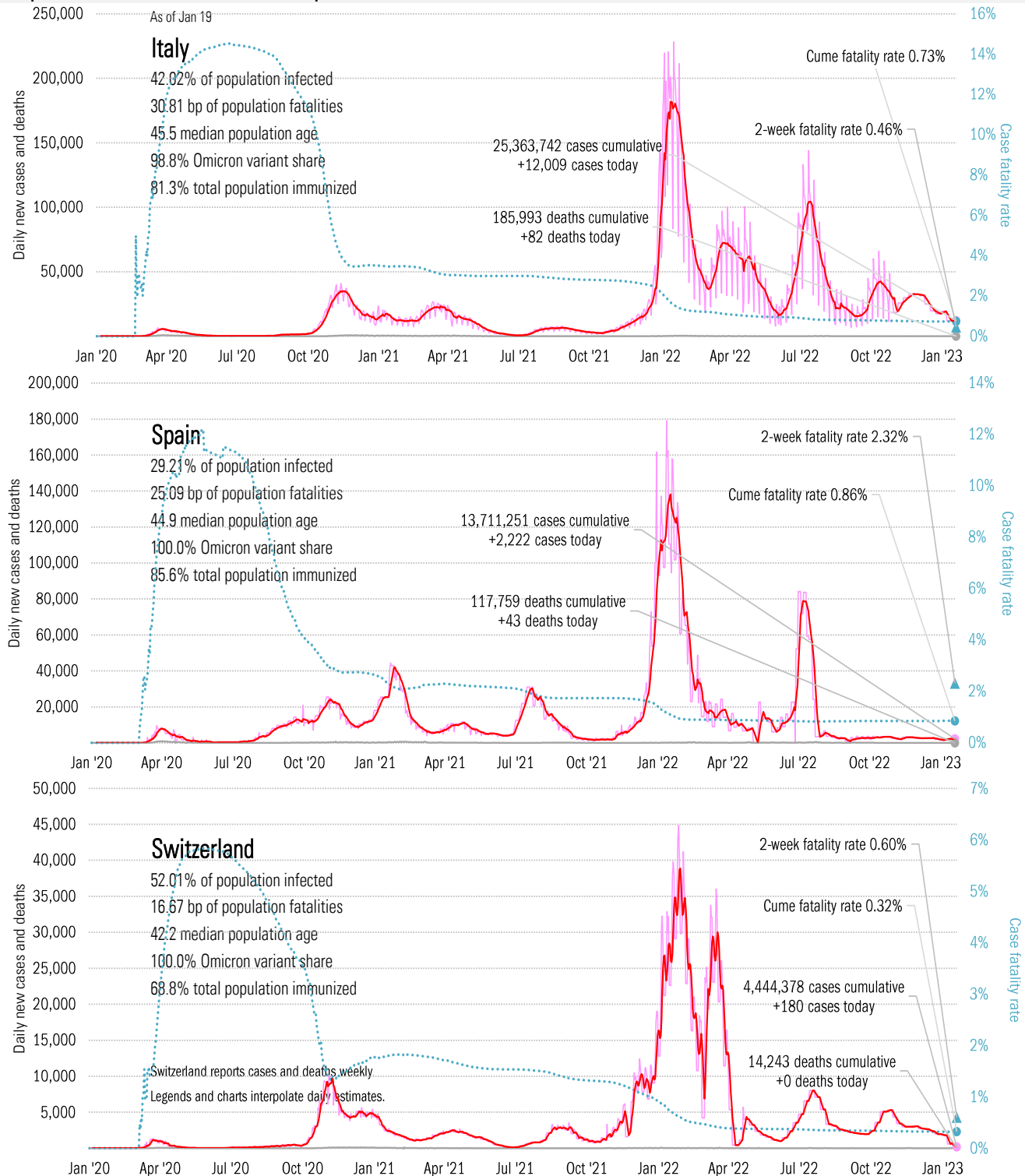
Cases: 7-day average and daily Deaths: Daily



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

## Impact in continental Europe

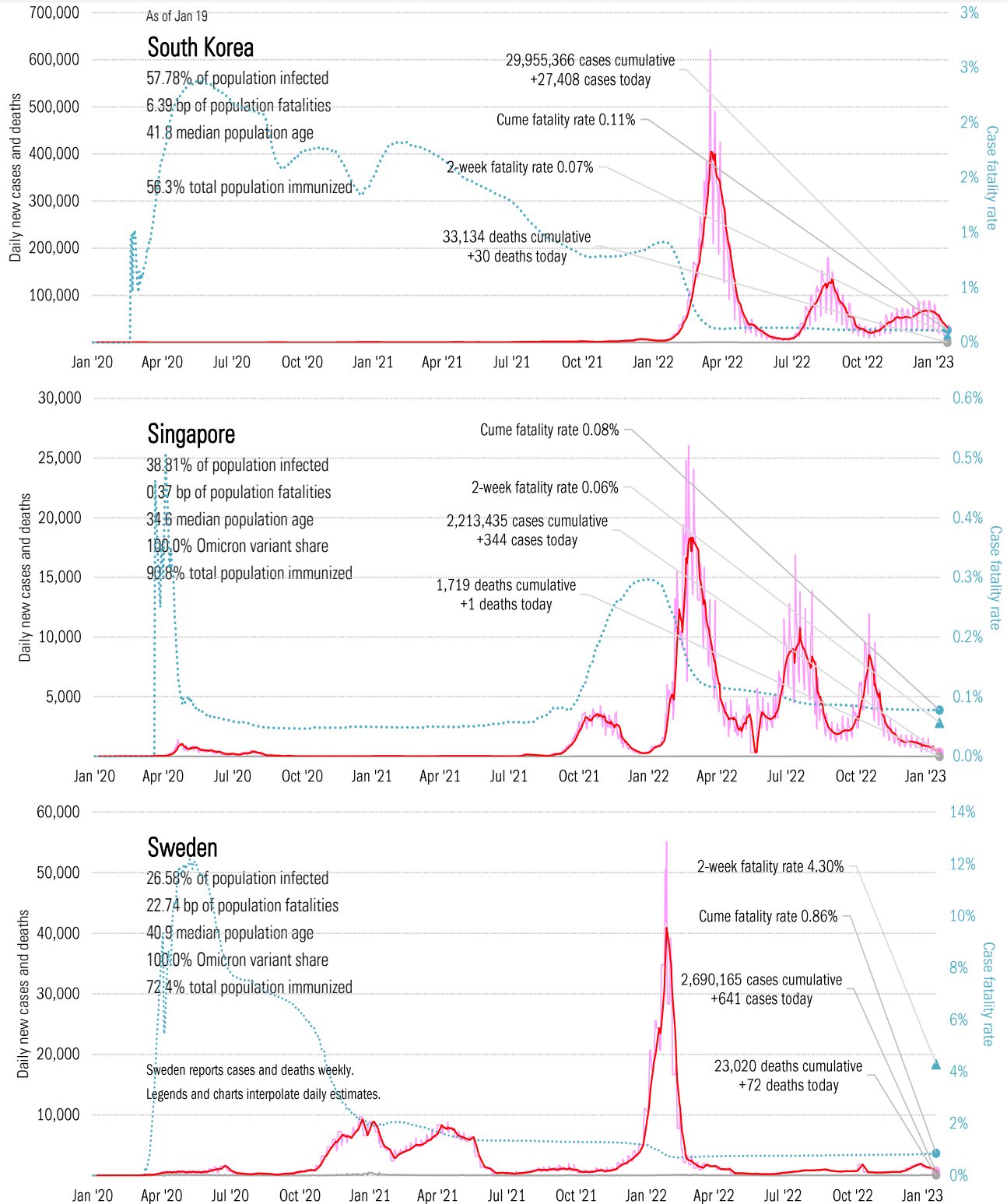
Cases: 7-day average and daily Deaths: Daily



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

## Impact in other hot-spots

Cases: 7-day average and daily Deaths: Daily

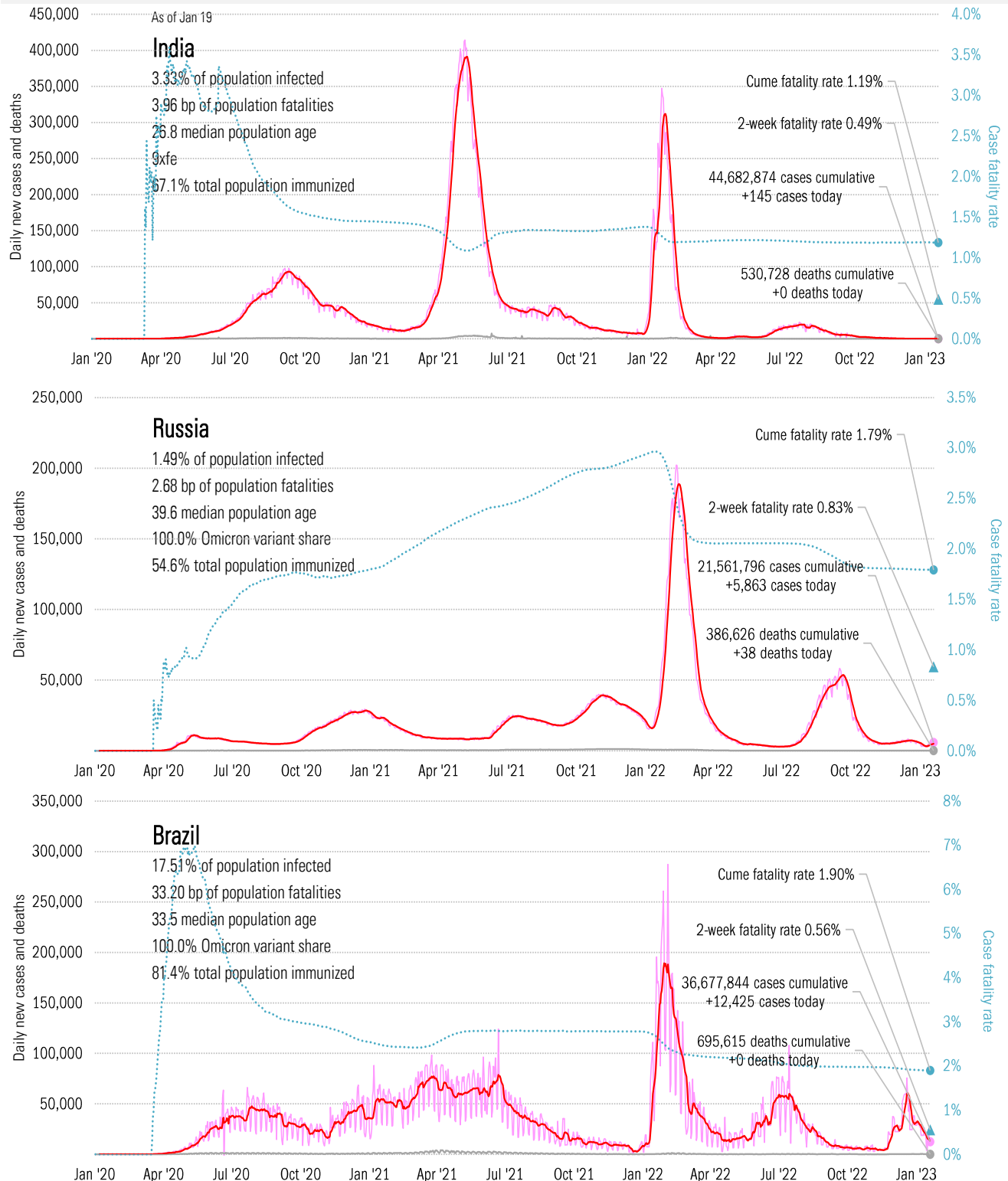


Source: [Johns Hopkins](#), TrendMacro calculations



## Impact in the BRICs ex-China

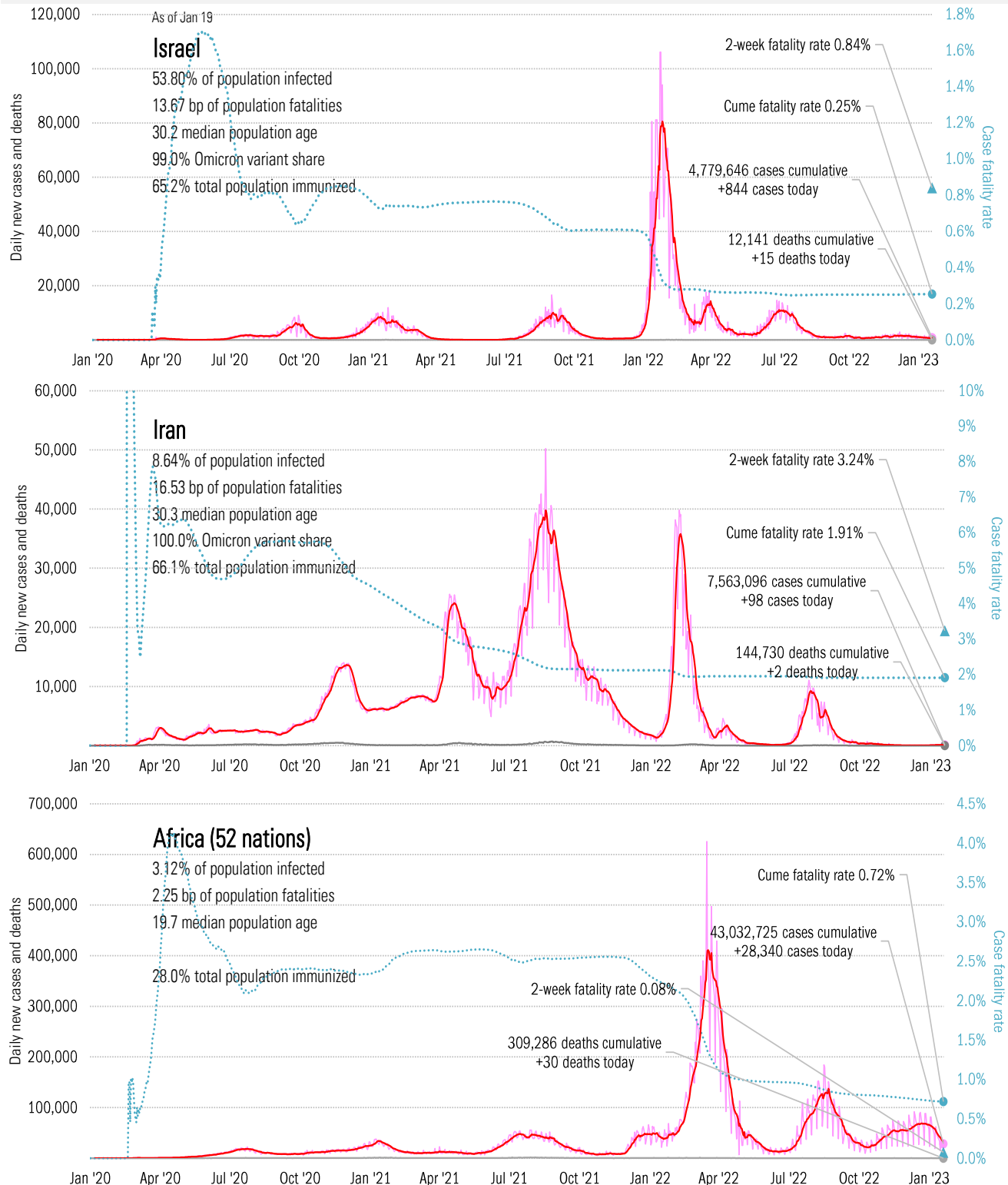
Cases: 7-day average and daily Deaths: Daily



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

## Impact in the Middle East and Africa

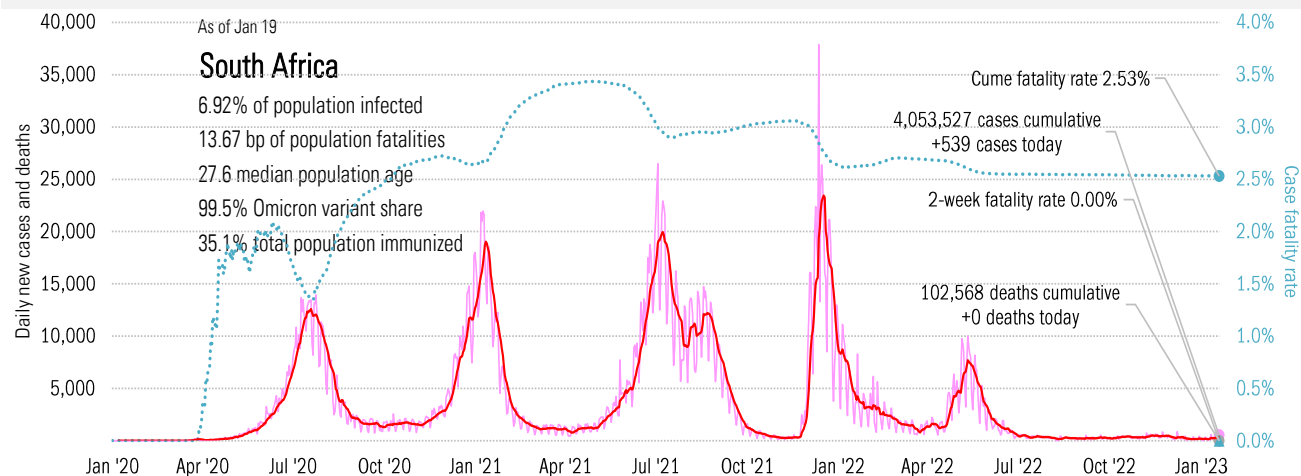
Cases: 7-day average and daily Deaths: Daily



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

## Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), Trend Macro calculations