

## Data Insights: Covid-2019 Monitor

Saturday, January 21, 2023

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

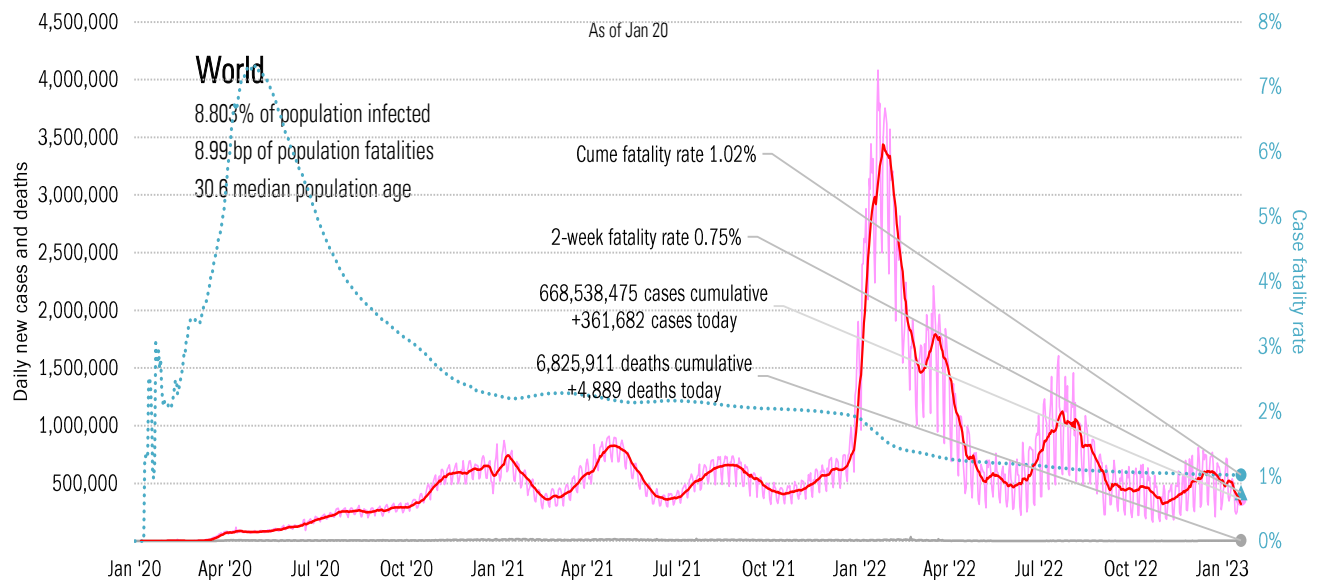
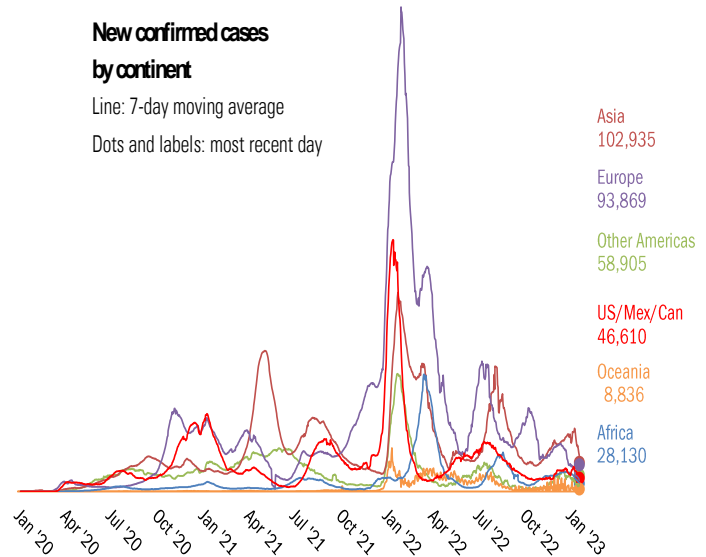
#### The worst ten countries

New cases		New Deaths	
Japan	82,614	China	1,713
United States	42,943	Japan	425
China	36,286	United States	415
Korea, South	27,539	Mexico	224
Mexico	21,646	Germany	118
Taiwan*	18,203	Brazil	82
Brazil	17,504	Norway	73
Germany	8,866	Italy	71
Italy	7,413	Australia	69
Russia	6,031	Taiwan*	61
269,043		3,250	
World	361,682	World	4,889
Top ten	74%	Top ten	66%

#### New confirmed cases by continent

Line: 7-day moving average

Dots and labels: most recent day



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)

Copyright 2023 Trend Macrolytics LLC. All rights reserved. This document is not to be forwarded to individuals or organizations not authorized by Trend Macrolytics LLC to receive it. For information purposes only; not to be deemed to be recommendations for buying or selling specific securities or to constitute personalized investment advice. Derived from sources deemed to be reliable, but no warranty is made as to accuracy.

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

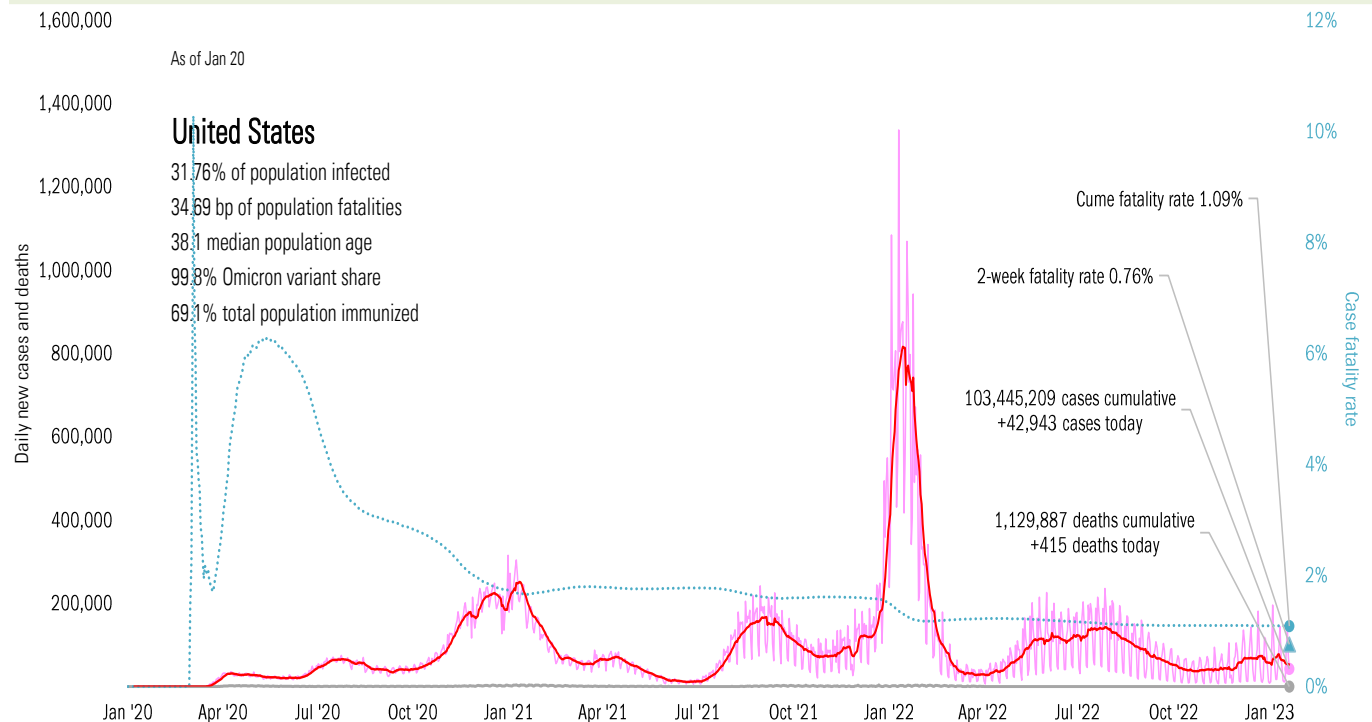
## The ten worst US states

New cases		New deaths		New in hospital		Cum cases		Cum deaths		Cum in hospital		Hospital use		ICU use							
FL	7,177	CO	51	WA	76	CA	11,957,408	CA	99,685	TX	578,143	RI	88%	NH	91%						
CA	4,725	MI	26	GA	172	TX	8,329,536	TX	92,367	CA	553,485	MA	87%	TX	89%						
NJ	2,614	NY	21	CH	186	FL	7,443,954	FL	84,927	FL	522,436	DE	87%	NC	87%						
NC	2,249	MA	21	PA	201	NY	6,672,225	NY	75,945	NY	344,677	NH	85%	AL	86%						
NY	2,077	IL	19	NM	19	IL	4,008,844	PA	49,397	CH	239,734	MO	85%	DC	85%						
TX	1,947	PA	19	OK	66	PA	3,458,136	GA	41,772	GA	237,970	DC	85%	MA	85%						
VA	1,508	AZ	18	AK	10	NC	3,398,161	CH	41,249	PA	224,465	MN	85%	AK	85%						
PA	1,470	TX	18	IA	29	CH	3,339,612	MI	41,185	IL	208,275	NC	83%	AR	84%						
MI	1,376	GA	18	MT	13	GA	3,020,166	IL	40,980	MI	177,657	AK	83%	VT	84%						
MA	1,200	FL	15	IN	81	MI	3,017,948	NJ	35,725	NJ	157,791	WA	83%	LA	84%						
26,343		227		853		54,645,990		603,232		3,244,633											
All states		42,943		415		4,641		All states		103,445,209		1,129,887		5,884,234		All states		70%		67%	
Top ten		61%		55%		18%		Top ten		54%		55%		55%		Median		79%		76%	

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CO	-3,550	SC	-12	CA	-36
NY	-3,217	NH	-6	KY	-27
CA	-2,153	WI	-3	NC	-25
FL	-1,385	ND	-2	AL	-19
WI	-202	NJ	-2	ND	-14



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	New immune today	France	78.4%	80.6%
Total population	277,177,672	83%	236,331,846	71%	+0.022 million	Spain	85.6%	86.9%
Age 12 to 17	18,436,781	73%	15,783,816	62%	+0.001 million	Germany	76.2%	77.8%
Age 18 to 64	184,313,168	91%	156,693,936	77%	+0.012 million	Italy	81.3%	86.2%
Age 65 and over	60,998,716	100%	53,444,575	98%	+0.004 million	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%

Other  
3%

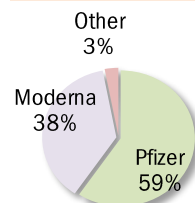
Moderna  
38%

Pfizer  
59%

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

AK

Global data differs due to sources, timing



AK
72.9%
65.0%

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

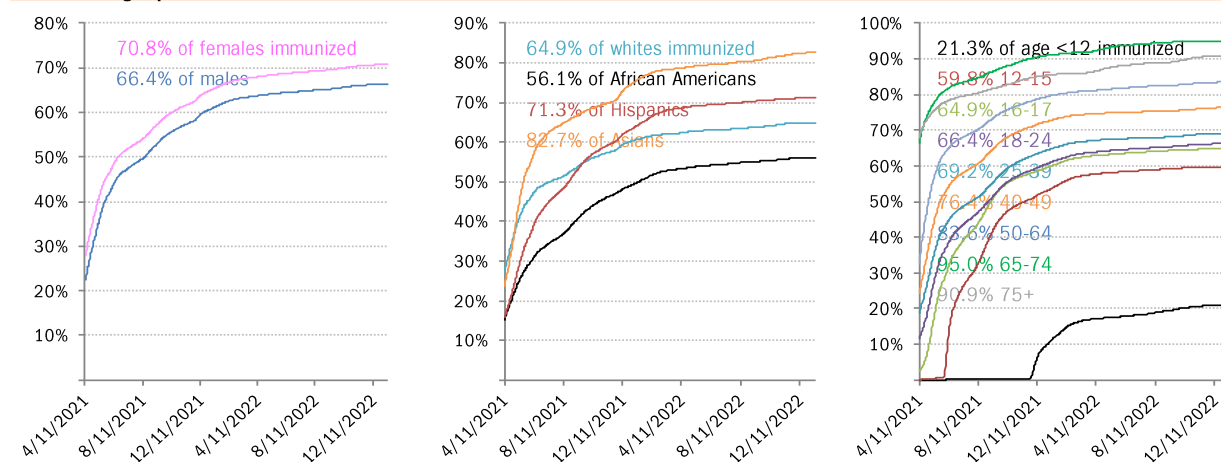
"Immunity" = two doses

Best
Middle
Worst

As of Jan 20

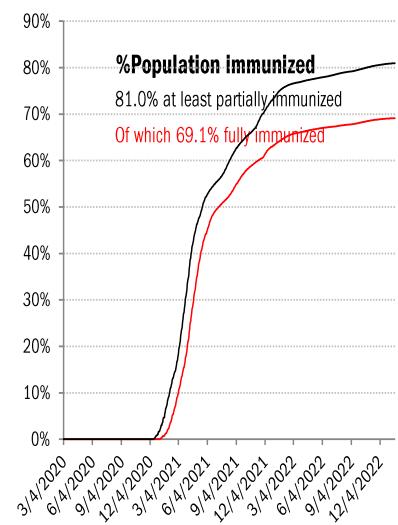
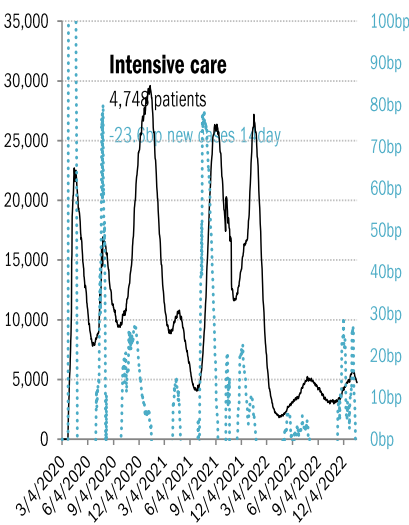
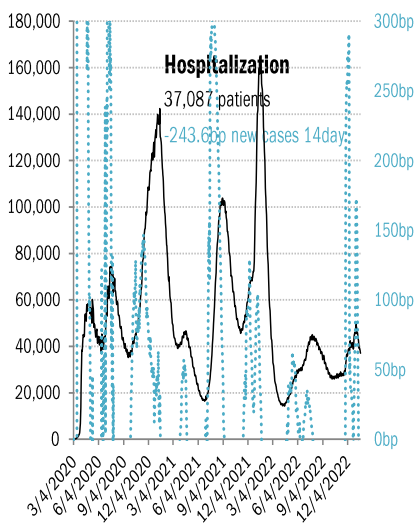
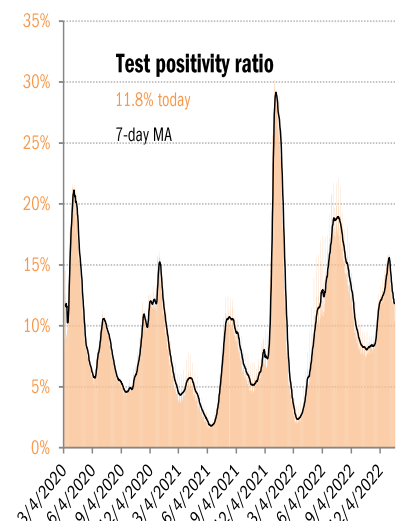
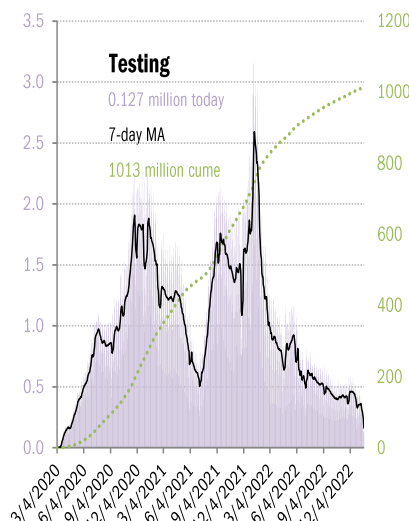
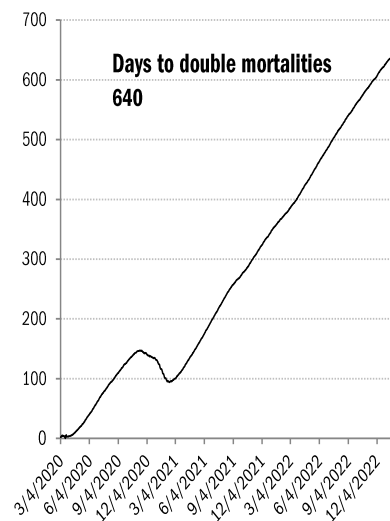
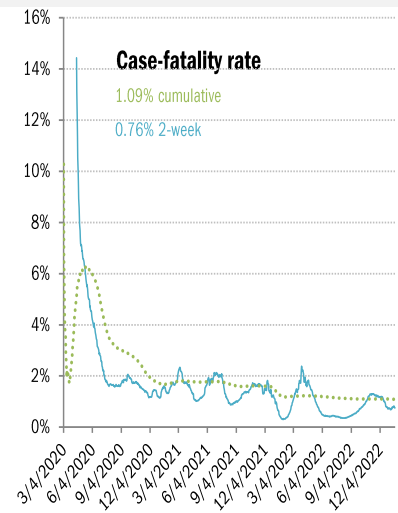
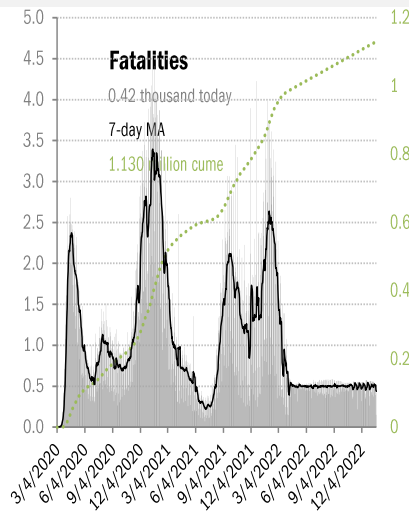
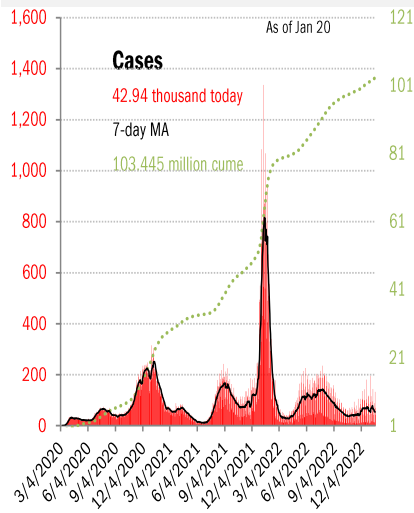
					WI					ME
					75.0%					95.0%
					68.1%					83.2%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
85.1%	63.8%	68.2%	69.2%	78.6%	79.0%	69.3%		94.3%	95.0%	88.0%
75.9%	56.4%	59.1%	58.5%	72.0%	71.1%	62.2%		80.6%	85.5%	71.8%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.4%	77.5%	60.8%	83.6%	70.5%	64.3%	65.6%	90.4%	94.5%	95.0%	
72.2%	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

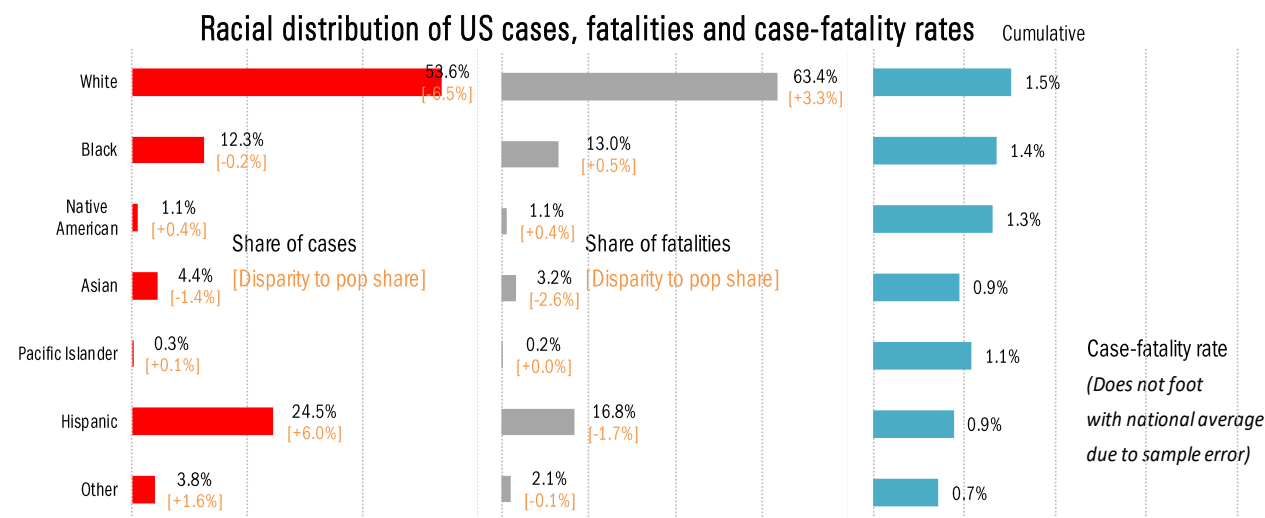
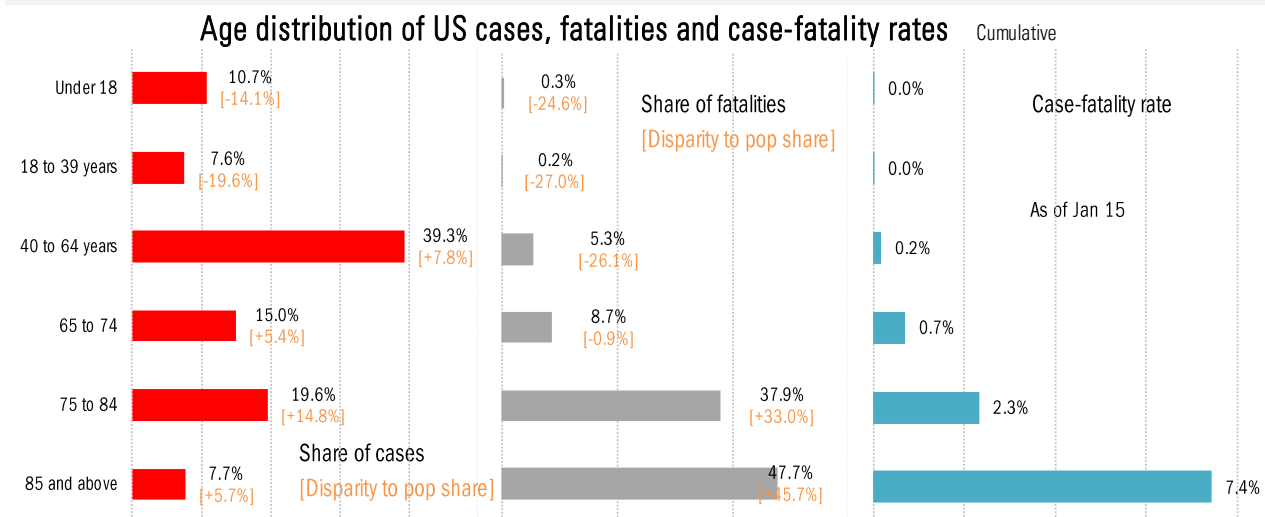
# US deep-dive



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

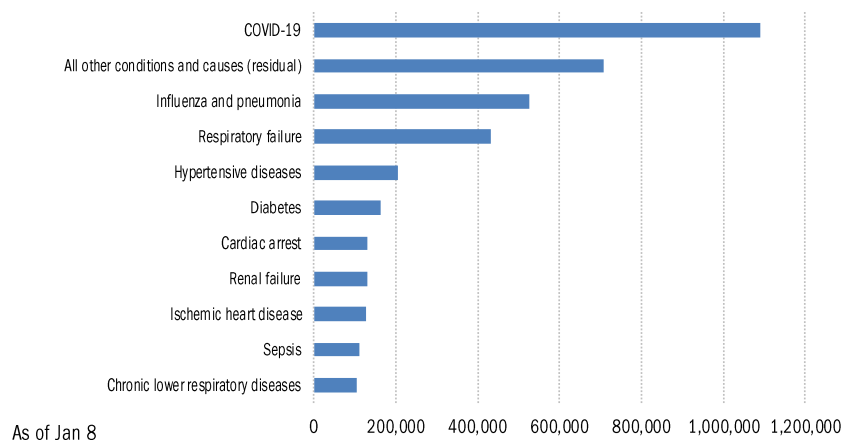
# US deep-dive: demographics of age, race and health

Updates weekly on Sunday, 1 week lag



## 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

[Unredacted NIH E-mails Show Efforts to Rule Out a Lab Origin of Covid](#)

Jimmy Tobias  
*The Nation*  
January 19, 2023

[Japan to Downgrade Covid to Same Threat Level as Seasonal Flu](#)

Joshua Young  
*Human Events*  
January 20, 2023

[COVID Vaccines 'Opened the Floodgates' for New Wave of mRNA Vaccines for Livestock](#)

*The Defender*  
January 19, 2023

[Dr Anthony Fauci remains on government payroll and receives taxpayer-funded security detail, despite 'retiring' at end of 2022](#)

Jordan Schachtel  
*The Dossier*  
January 17, 2023

## Meme of the Day

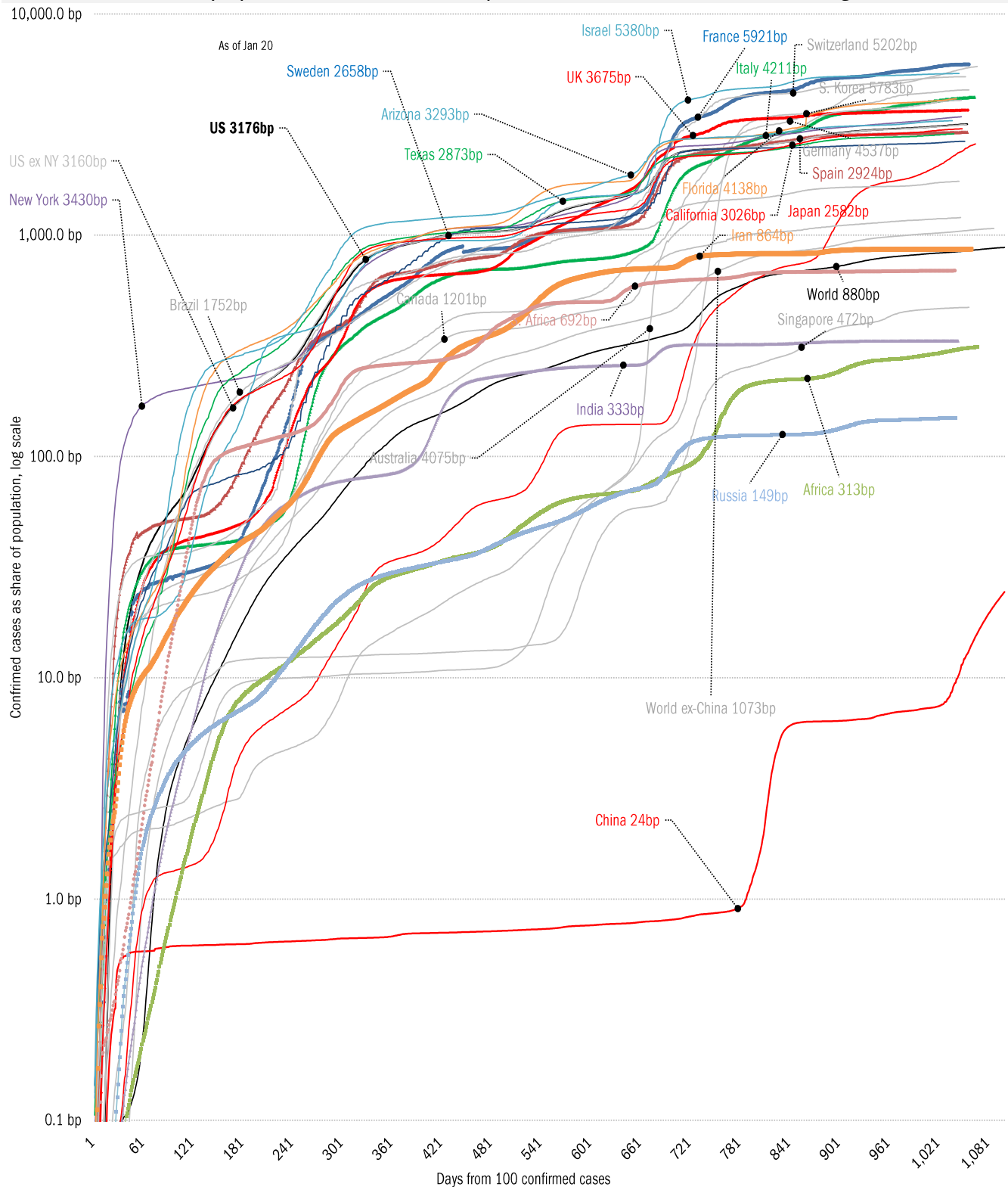
i read that eggs are overly expensive  
cuz bird flu is killing a ton of chickens  
there's an obvious solution to this



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

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

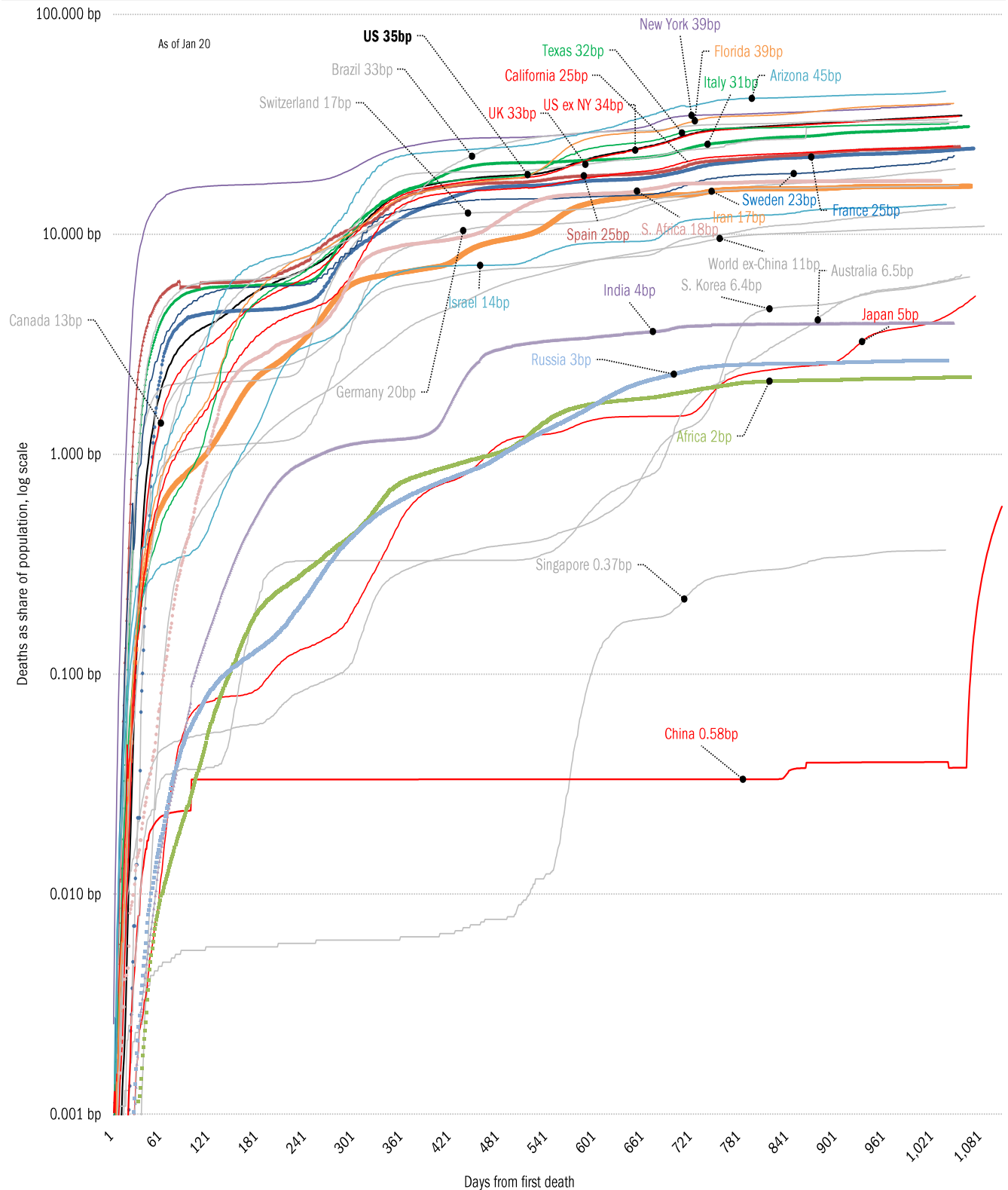
## *Share of infected population from first day with 100 confirmed cases, log scale*



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*

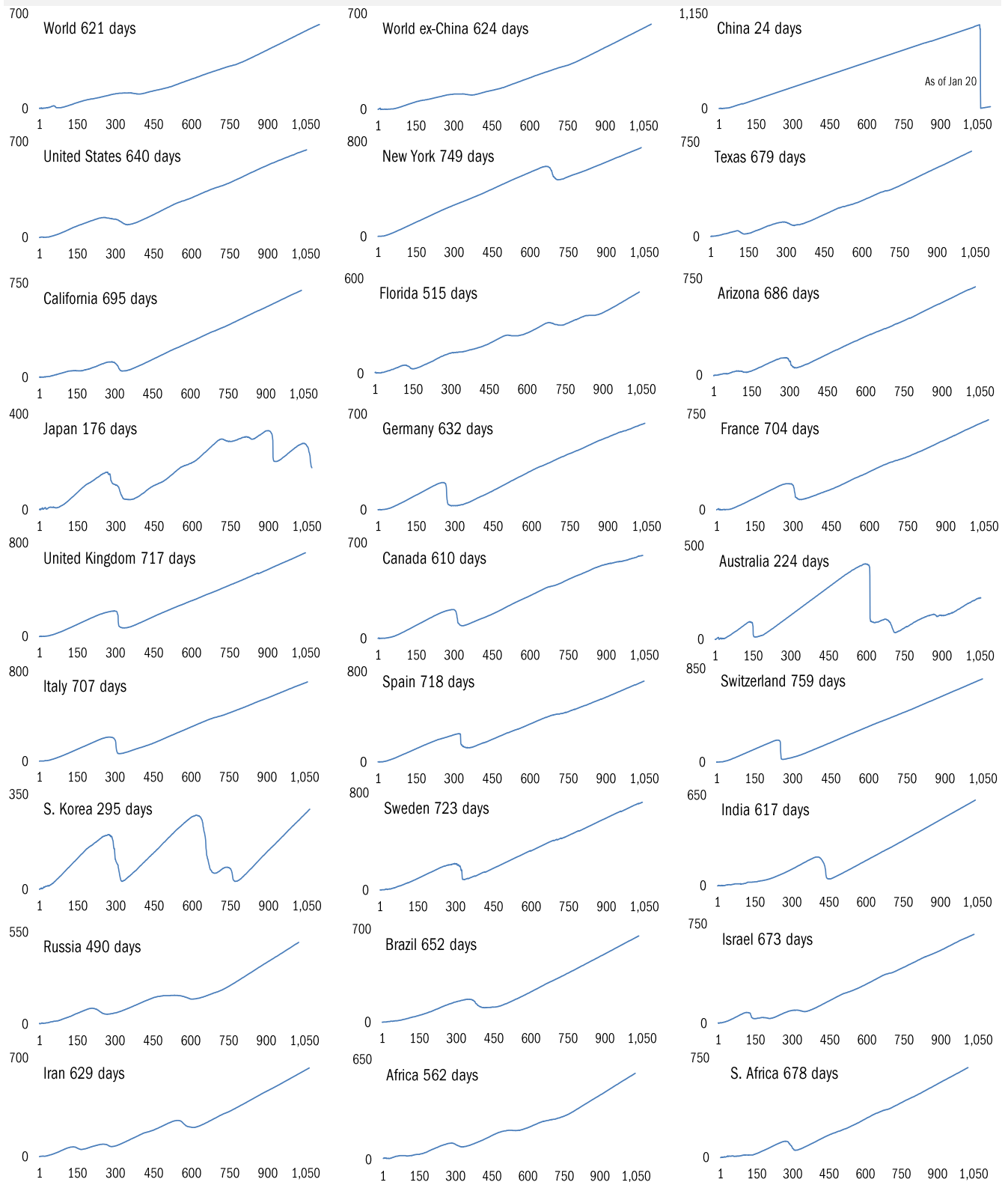


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

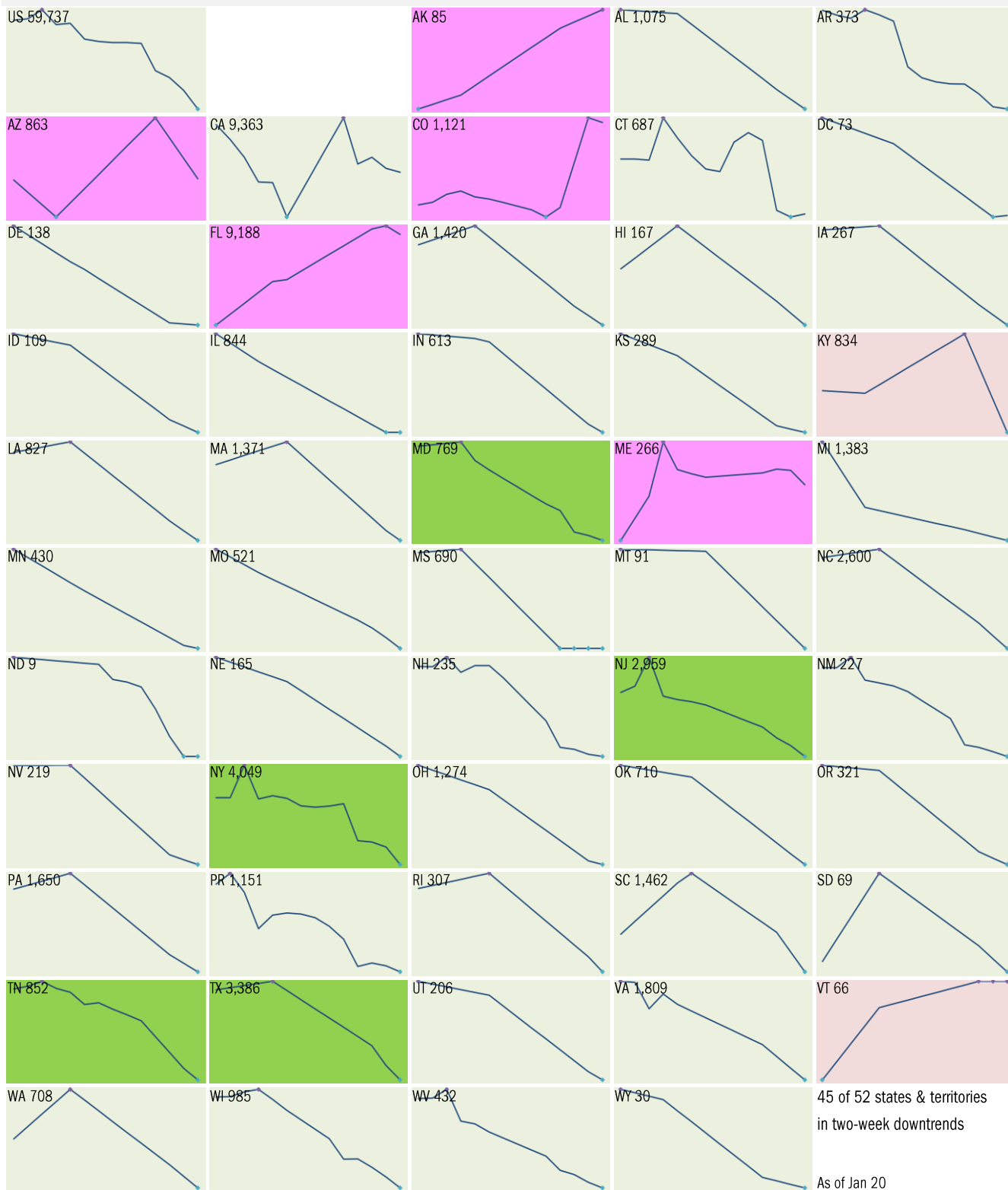


Source: [Johns Hopkins](#), TrendMacro calculations

## 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

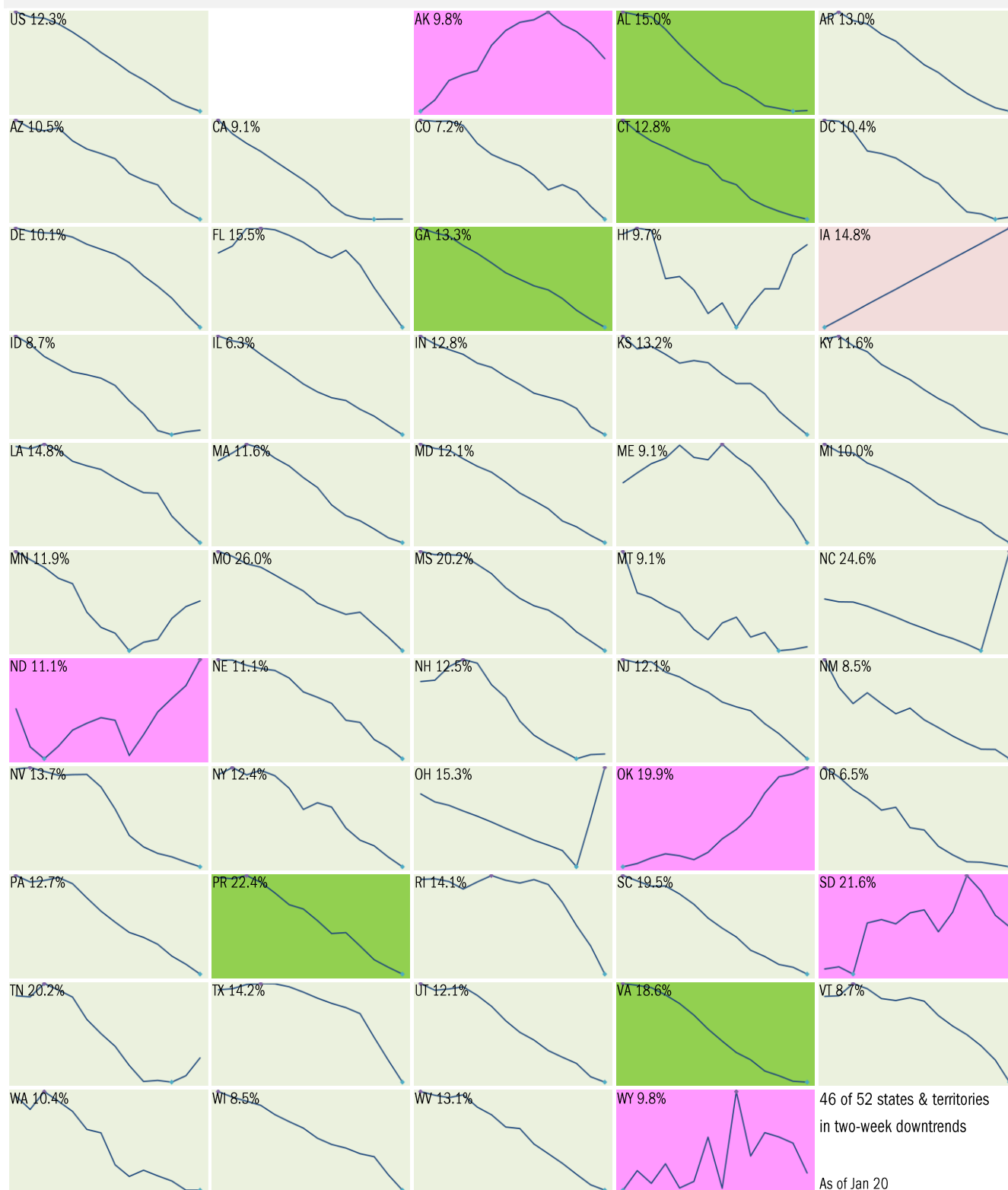


Source: [Johns Hopkins](#), TrendMacro calculations

## 14-day trajectory in test-positivity ratio

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

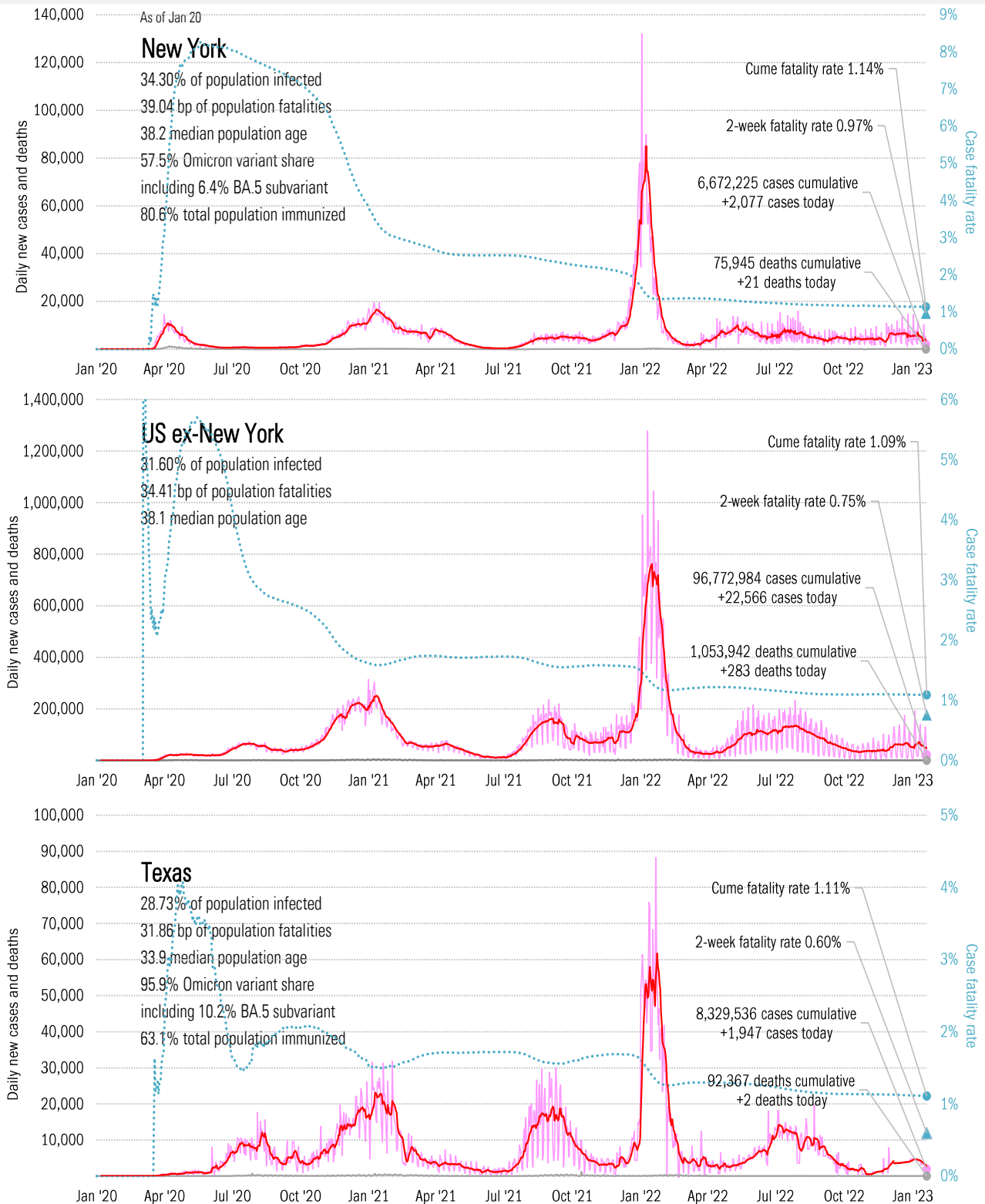
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

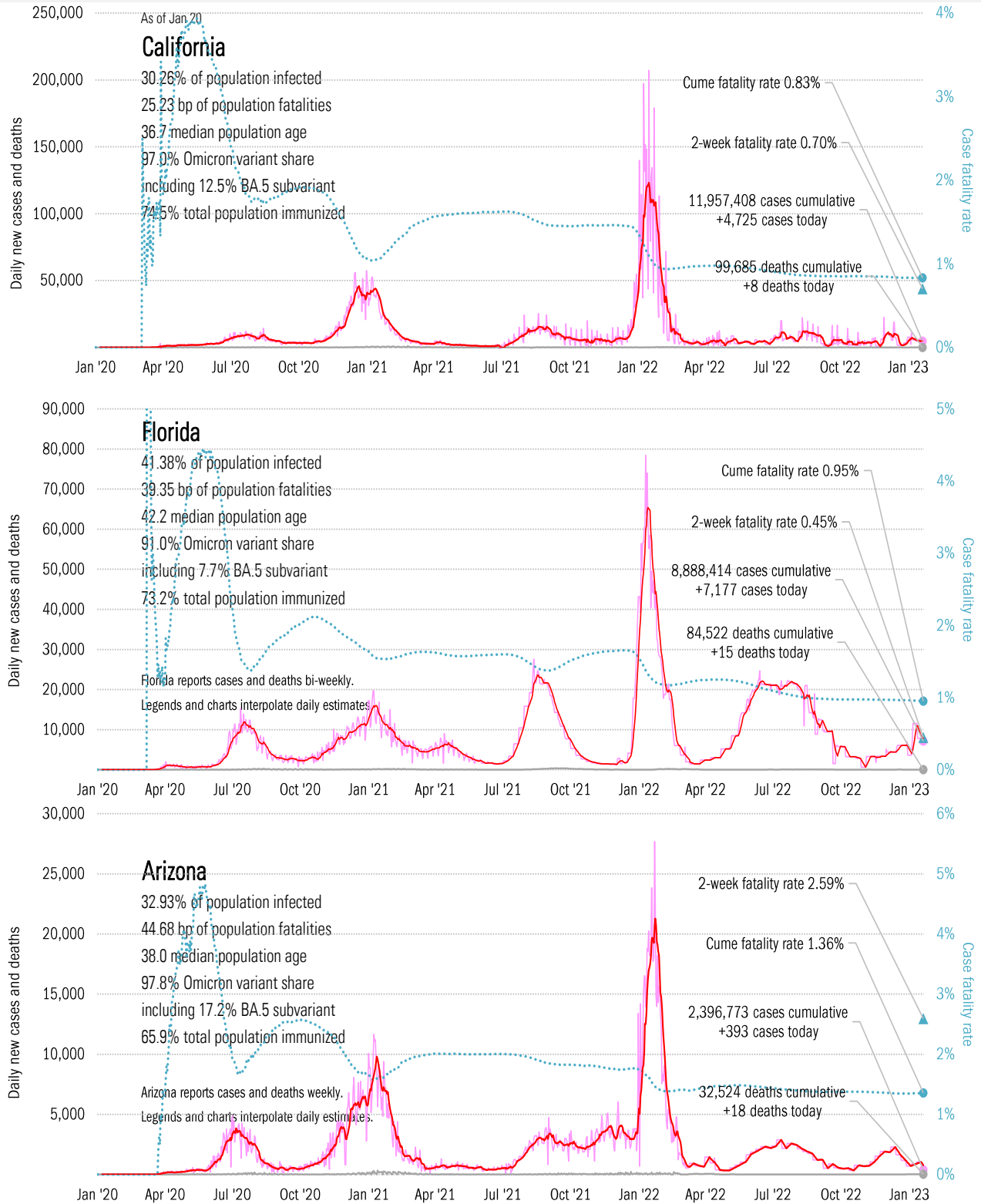
Cases: 7-day average and daily Deaths: Daily



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

## The sun-belt hot-spot states

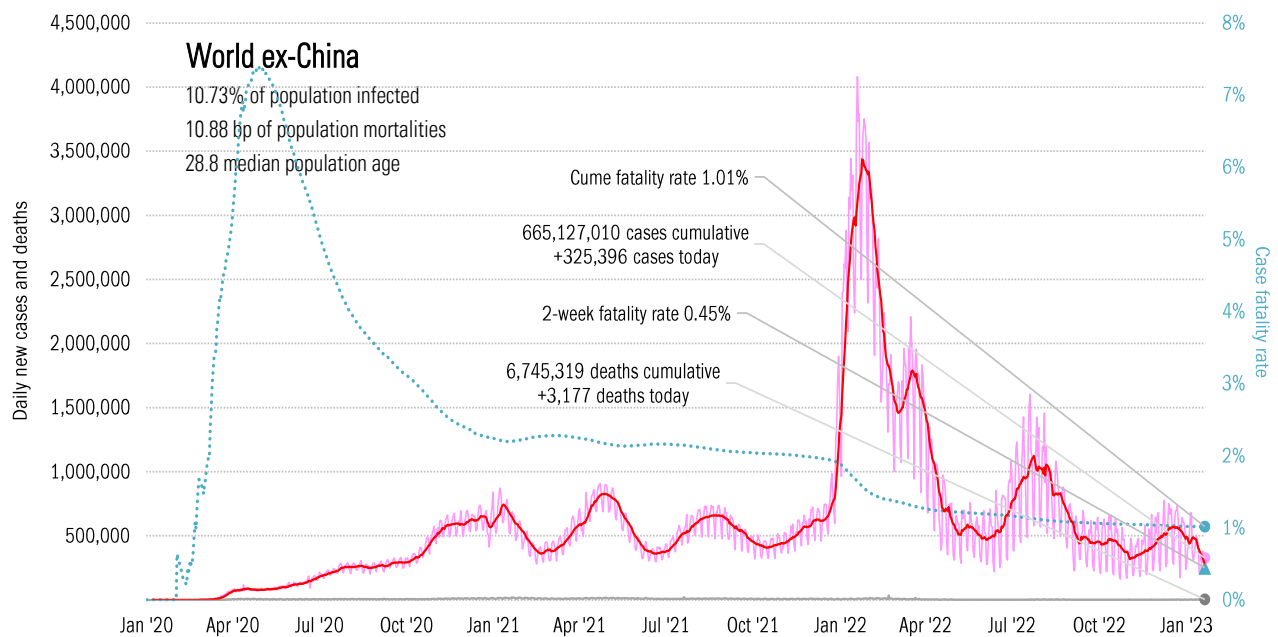
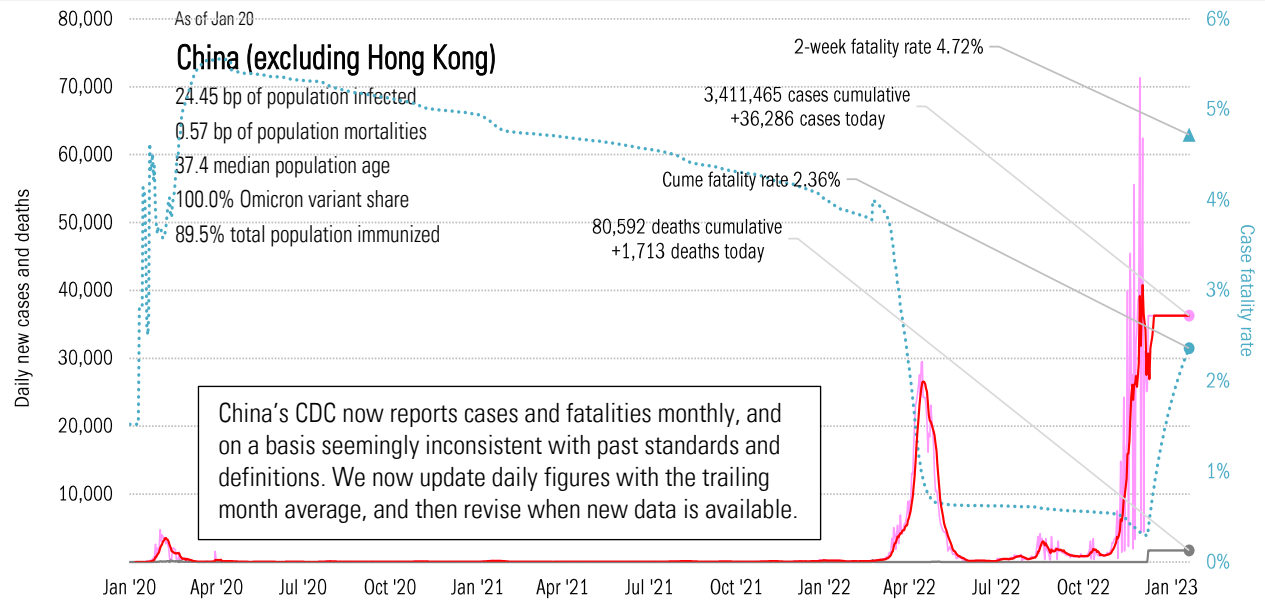
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

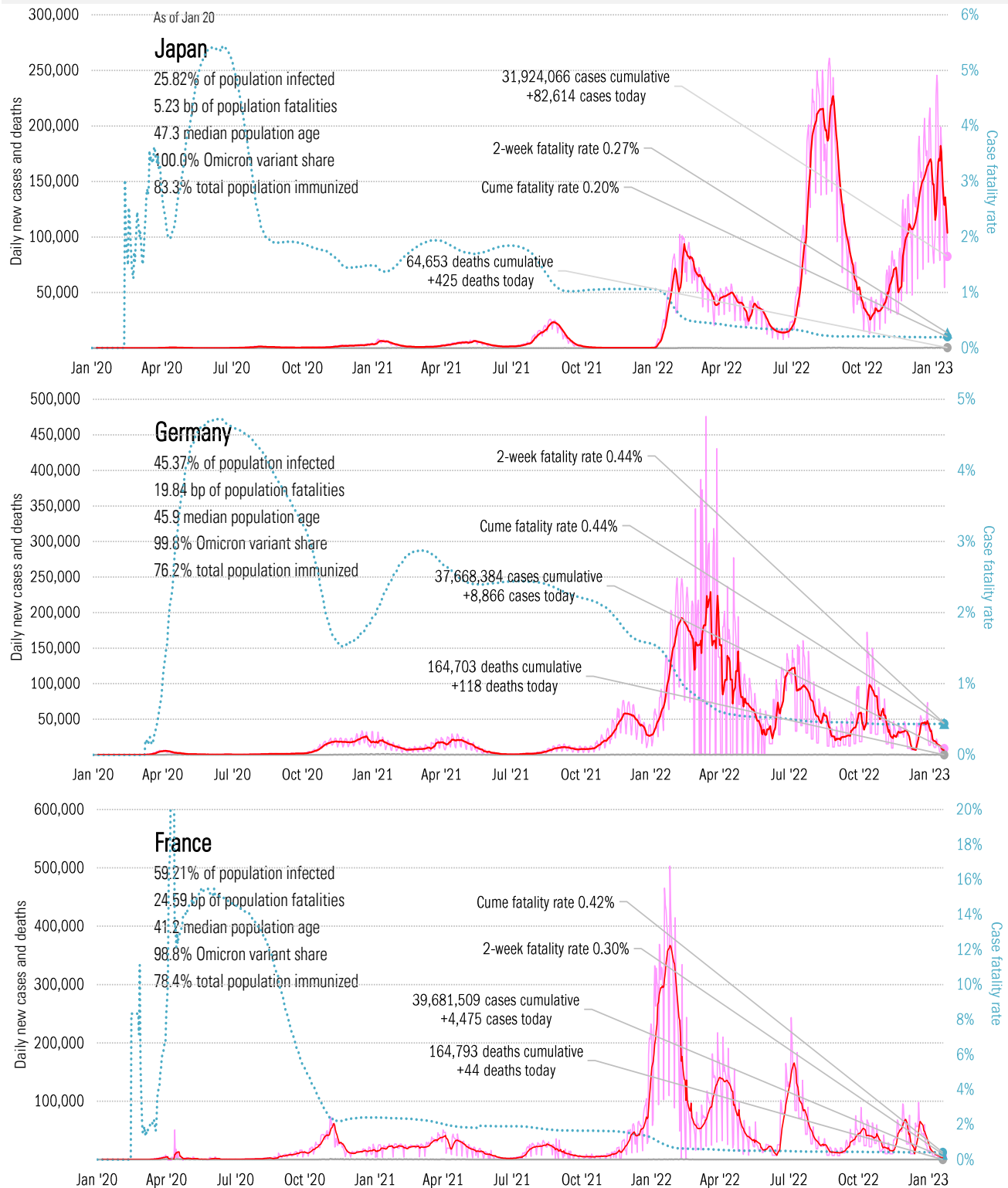
Cases: 7-day average and daily Deaths: Daily



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

## Impact in the largest economies

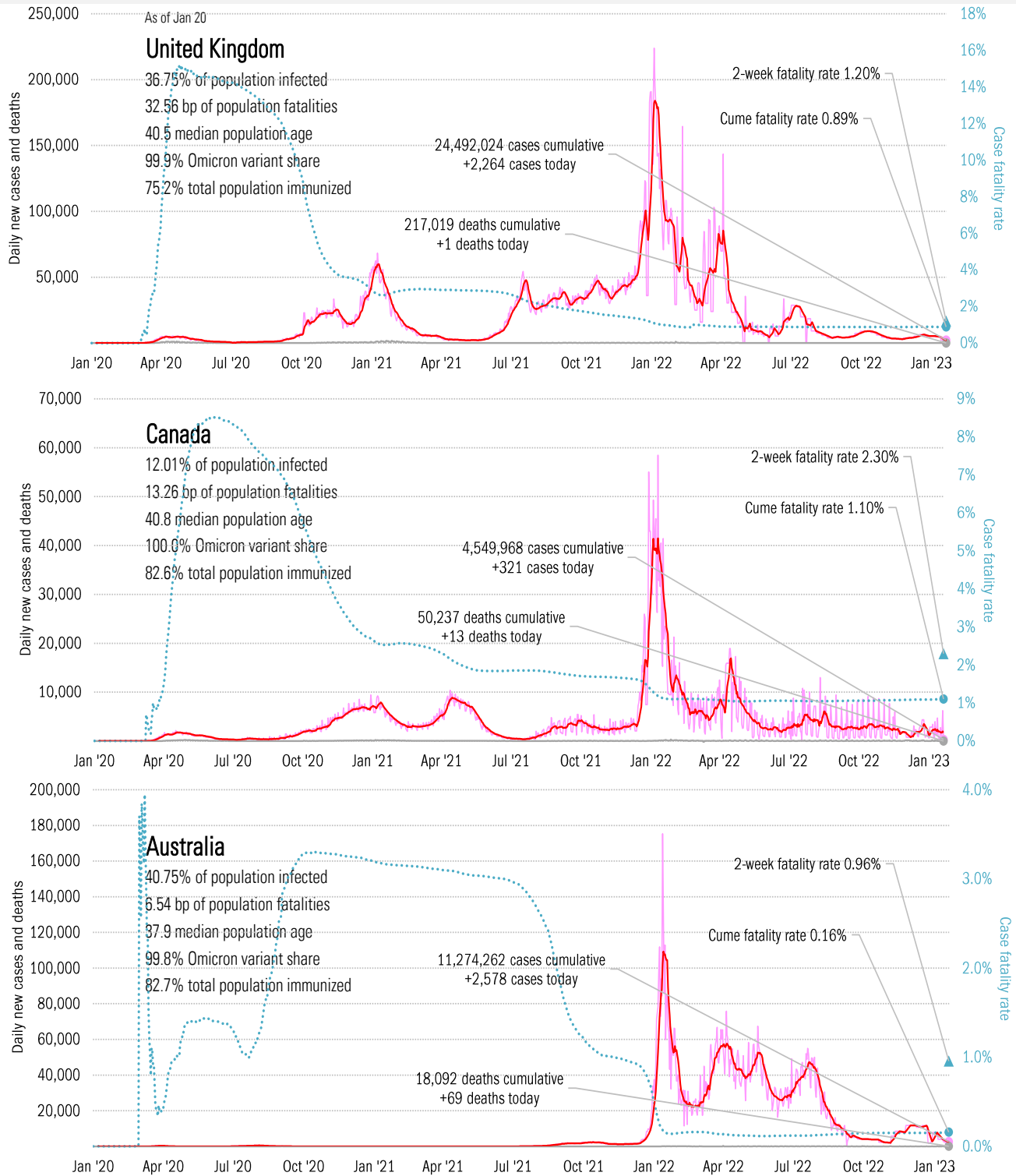
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

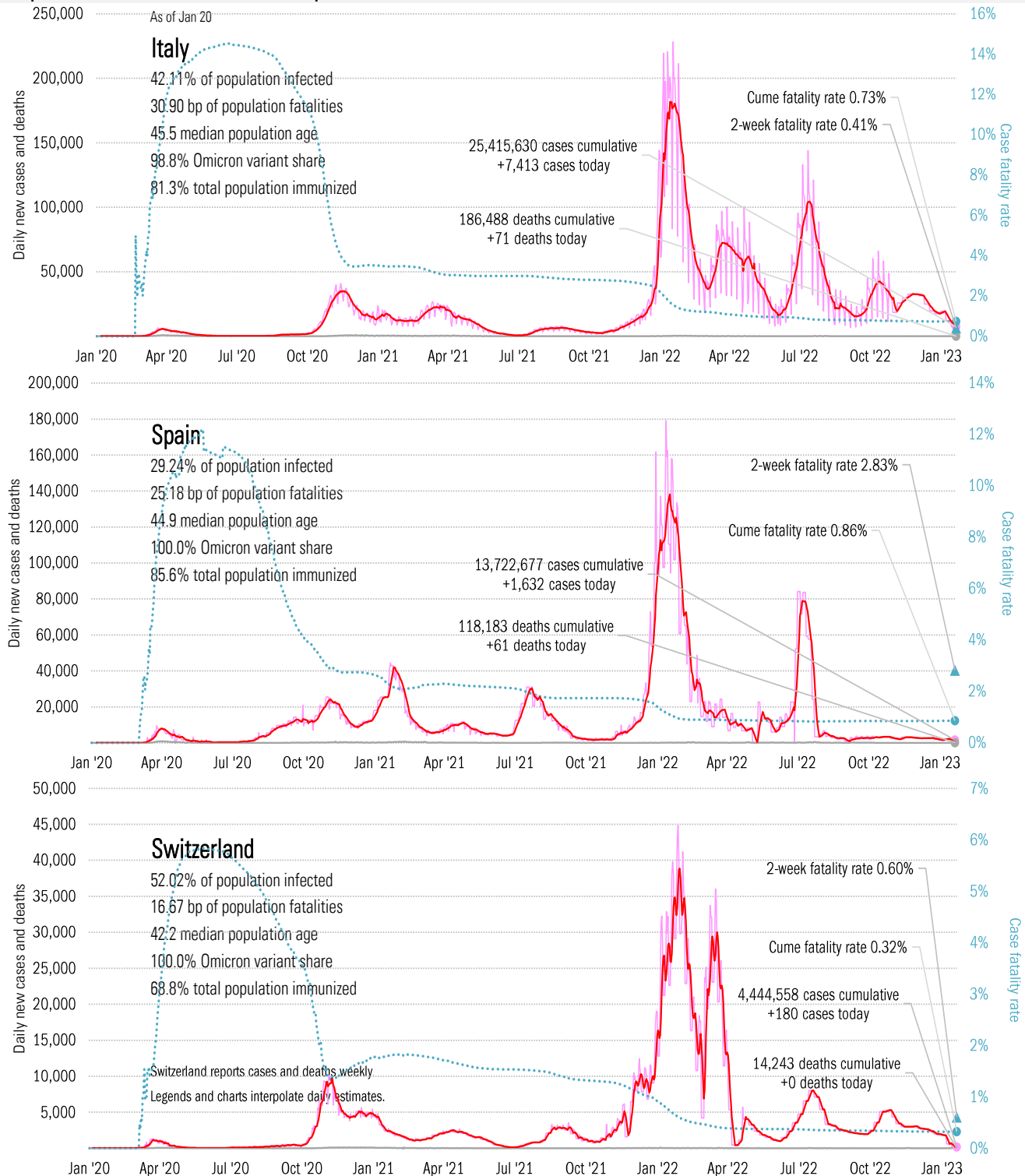
Cases: 7-day average and daily Deaths: Daily



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

## Impact in continental Europe

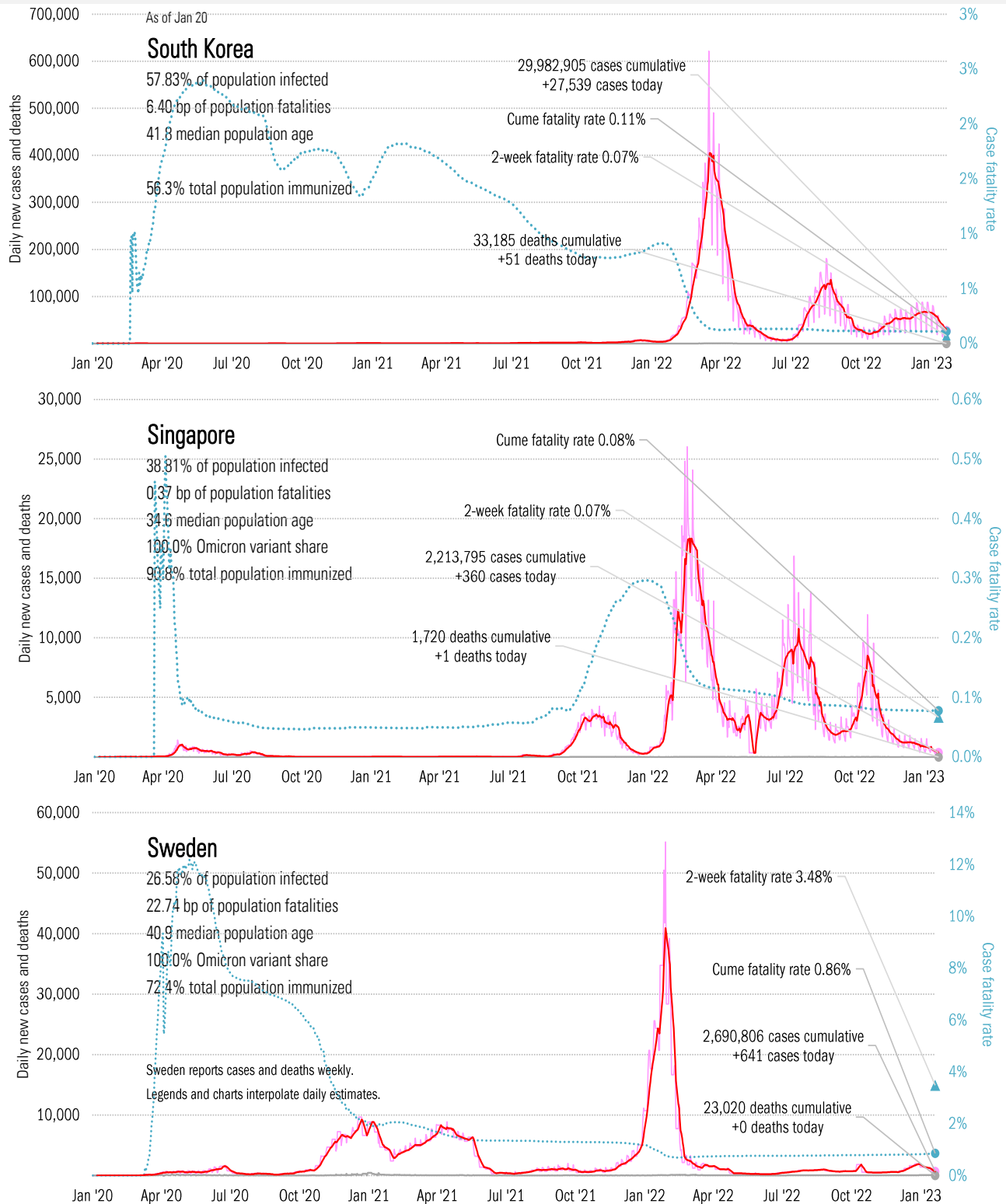
Cases: 7-day average and daily Deaths: Daily



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

## Impact in other hot-spots

Cases: 7-day average and daily Deaths: Daily

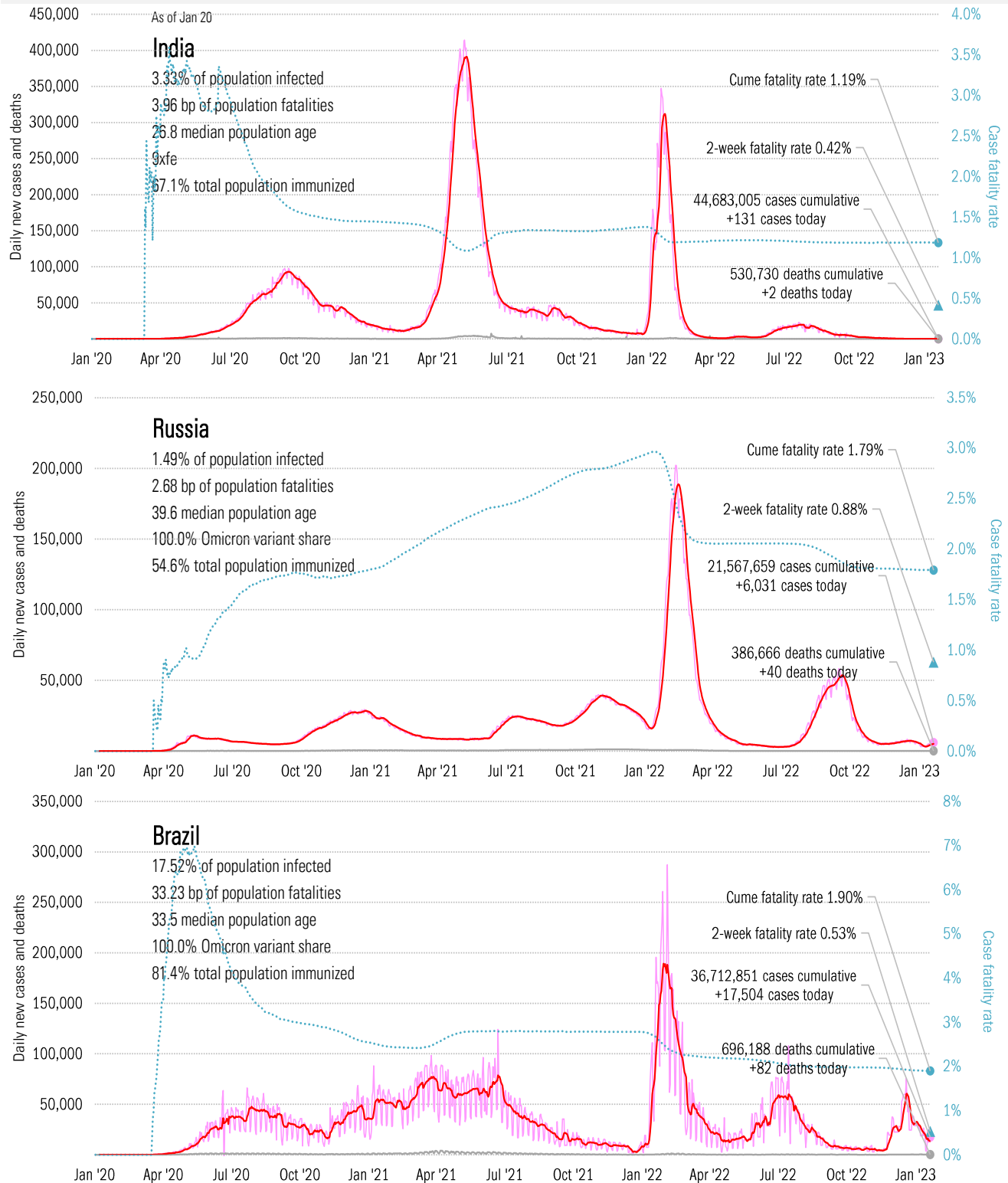


Source: [Johns Hopkins](#), TrendMacro calculations

## Impact in the BRICs ex-China

Cases: 7-day average and daily

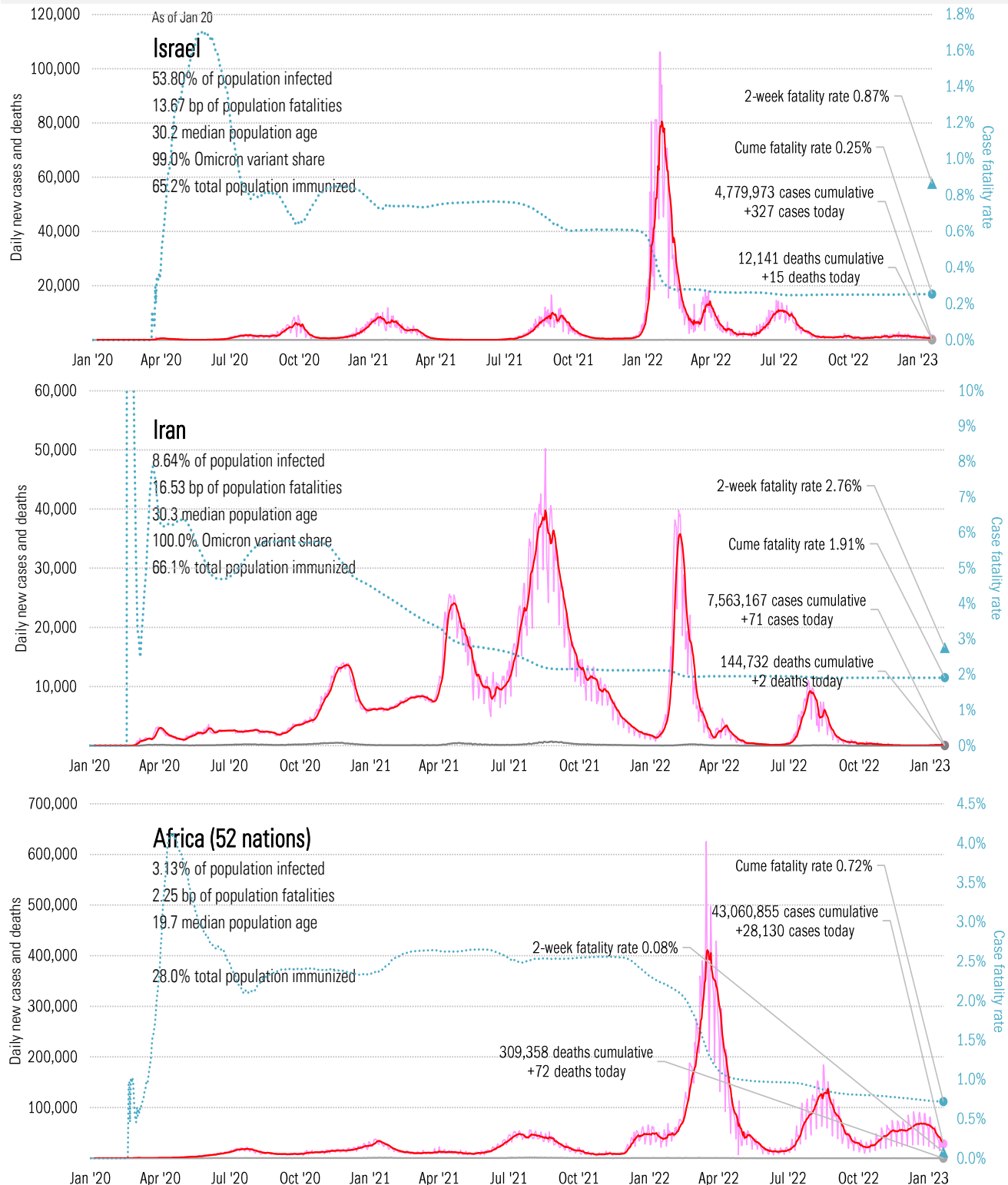
Deaths: Daily



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

# Impact in the Middle East and Africa

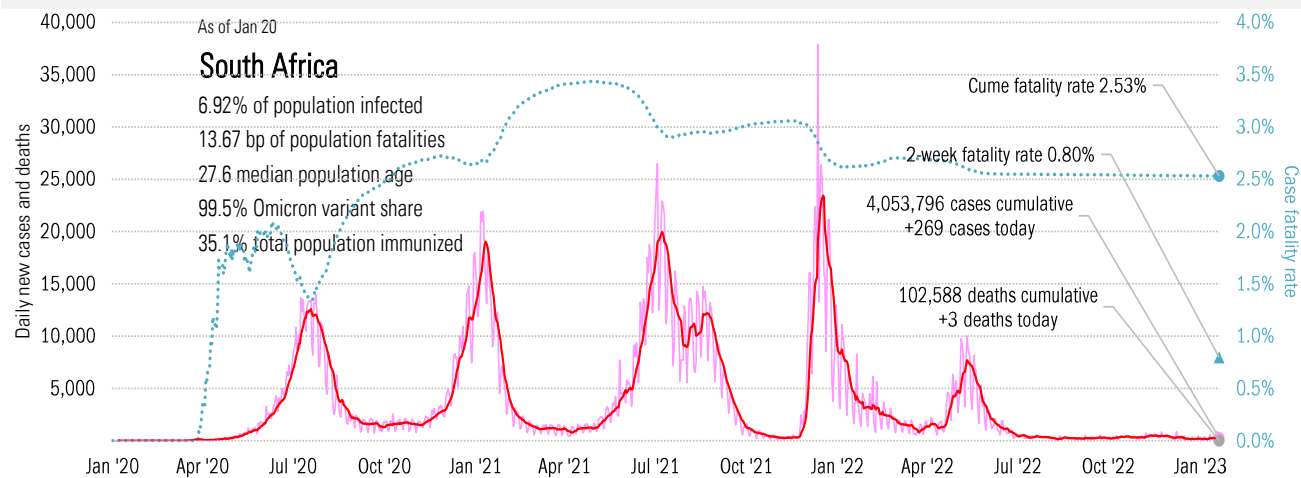
Cases: 7-day average and daily Deaths: Daily



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

## Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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