

## Data Insights: Covid-2019 Monitor

Monday, January 30, 2023

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

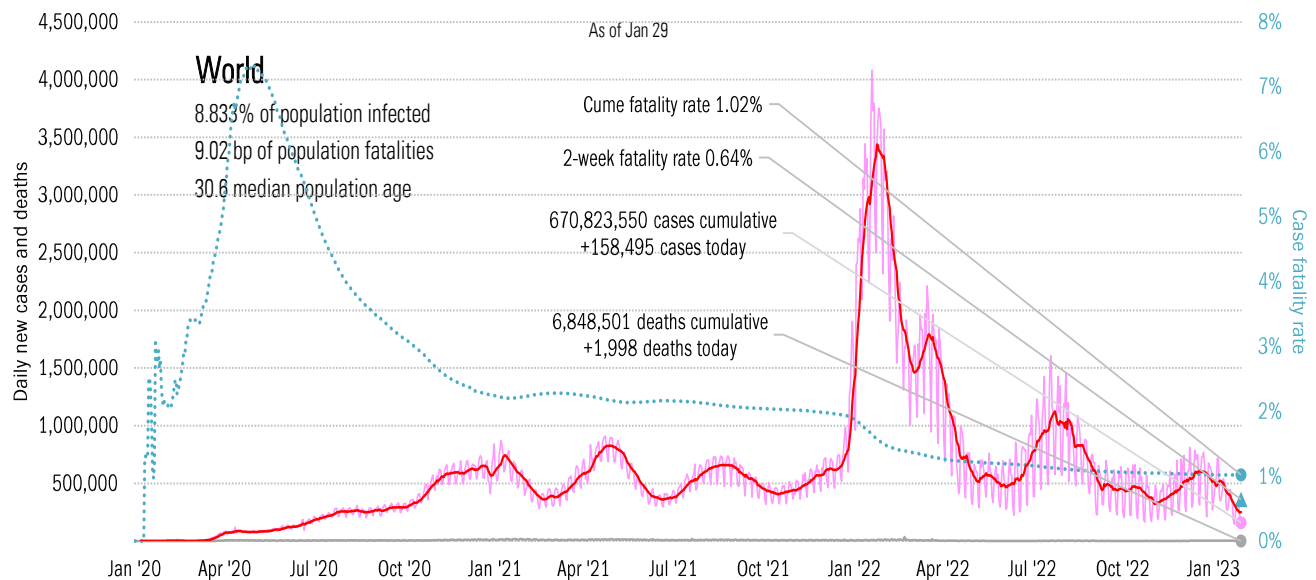
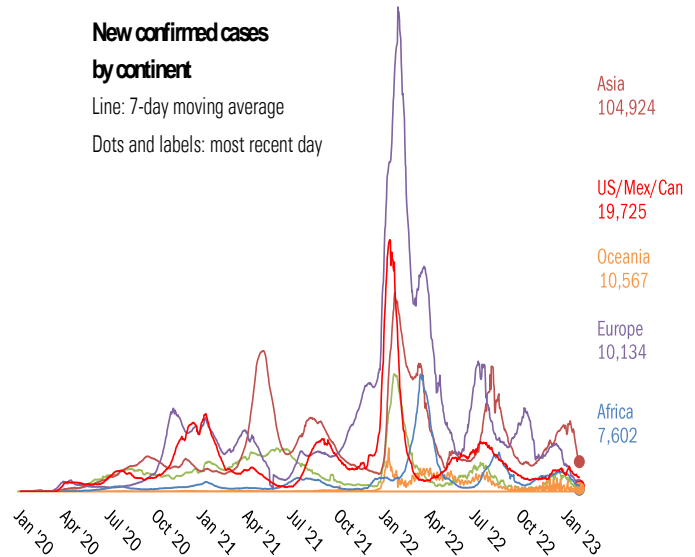
The worst ten countries (see China note page 14)

New cases		New Deaths	
Japan	44,729	China	909
United States	41,671	United States	437
China	30,851	Japan	251
Taiwan*	27,343	United Kingdom	144
Germany	11,317	Germany	127
New Zealand	10,567	Mexico	103
Mexico	9,119	Italy	49
Spain	8,801	France	44
Korea, South	7,416	Russia	39
Russia	6,883	Sweden	37

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 2020 [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

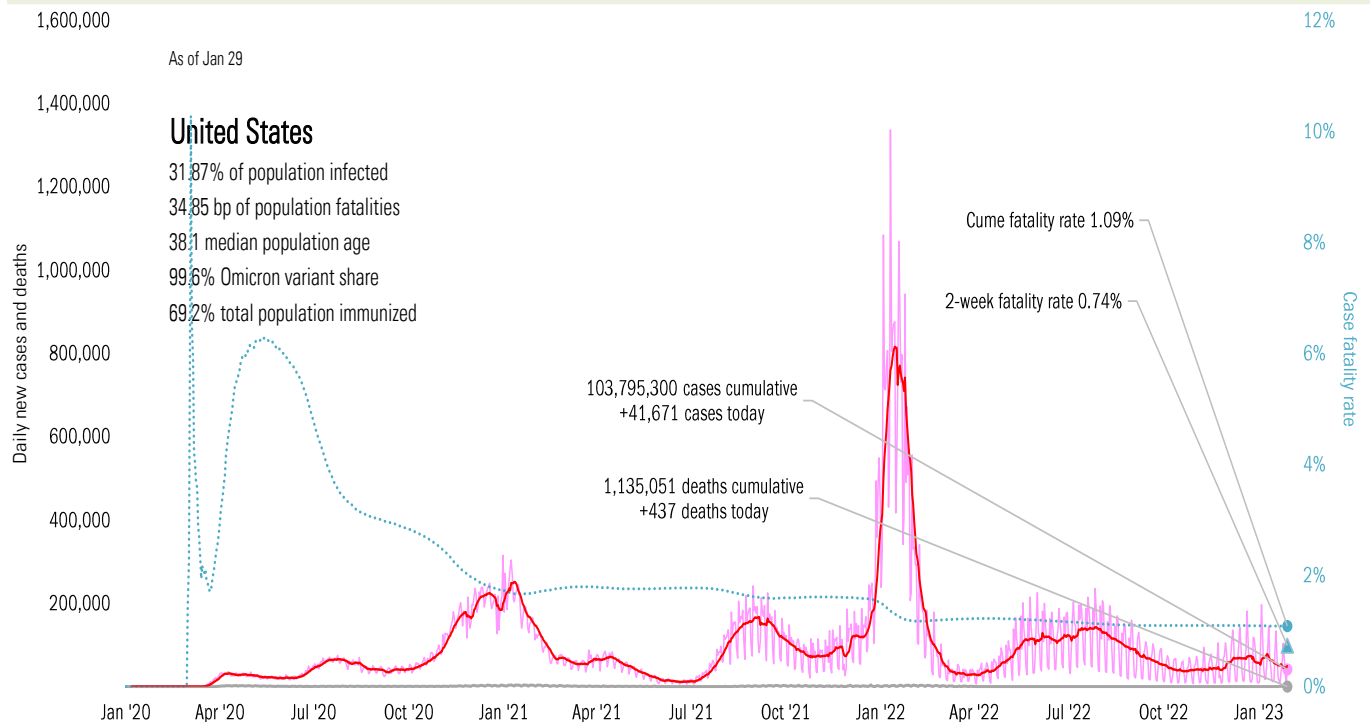
## The ten worst US states

New cases			New deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
FL	7,177		FL	46		CA	399		CA	11,983,168		CA	100,027		TX	581,309		RI	88%	NH	87%
CA	4,383		MI	37		TX	355		TX	8,353,147		TX	92,561		CA	556,971		MA	87%	TX	86%
NJ	2,305		PA	34		PA	202		FL	7,443,954		FL	84,927		FL	525,962		DE	86%	AK	85%
NC	2,054		CO	29		NY	325		NY	6,702,694		NY	76,255		NY	347,574		MD	86%	DC	84%
IL	1,561		MA	27		MN	61		IL	4,019,768		PA	49,633		CH	240,752		MN	84%	NC	84%
VA	1,516		SC	24		NC	158		PA	3,469,076		GA	41,915		GA	239,250		WA	84%	RI	84%
NY	1,437		AZ	21		CH	122		NC	3,412,542		MI	41,445		PA	226,317		DC	84%	MA	83%
PA	1,431		TX	21		MA	128		CH	3,347,767		CH	41,355		IL	209,583		NH	83%	AL	83%
SC	1,411		GA	20		CT	82		GA	3,027,856		IL	41,088		MI	178,438		MO	83%	MO	83%
CO	1,278		CA	18		MO	73		MI	3,024,478		NJ	35,774		NJ	159,555		WV	82%	MS	82%
24,553			276			1,905			54,784,450			604,980			3,265,711						
All states	41,671			437			3,827		All states	103,795,300			1,135,051			5,920,141		All states	70%		67%
Top ten	59%			63%			50%		Top ten	54%			55%			55%		Median	77%		75%

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CT	-460	AK	0	ME	-31
NY	-233	AL	0	NJ	-29
AR	-181	AR	0	WI	-23
AK	0	AZ	0	NV	-15
AL	0	CA	0	KS	-11

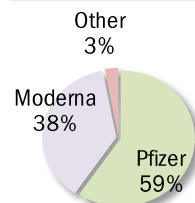


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	685,516,741		+0.147 million		US	69.1%	81.0%
			Of which boosters: +0.115 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	France	78.4%	80.6%
Total population	277,346,324	83%	236,447,801	71%	Spain	85.6%	86.9%
Age 12 to 17	18,446,236	73%	15,790,380	62%	Germany	76.2%	77.8%
Age 18 to 64	184,412,810	91%	156,755,065	77%	Italy	81.3%	86.2%
Age 65 and over	61,023,896	100%	53,463,192	98%	Australia	82.7%	85.0%
					Israel	65.2%	71.1%
					Canada	82.6%	90.4%
					Japan	83.3%	84.4%
					Africa	28.2%	34.2%
					India	67.1%	72.5%
					Brazil	81.5%	87.8%
					China	89.5%	91.9%



AK
72.9%
65.1%

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

"Immunity" = two doses

Best
Middle
Worst

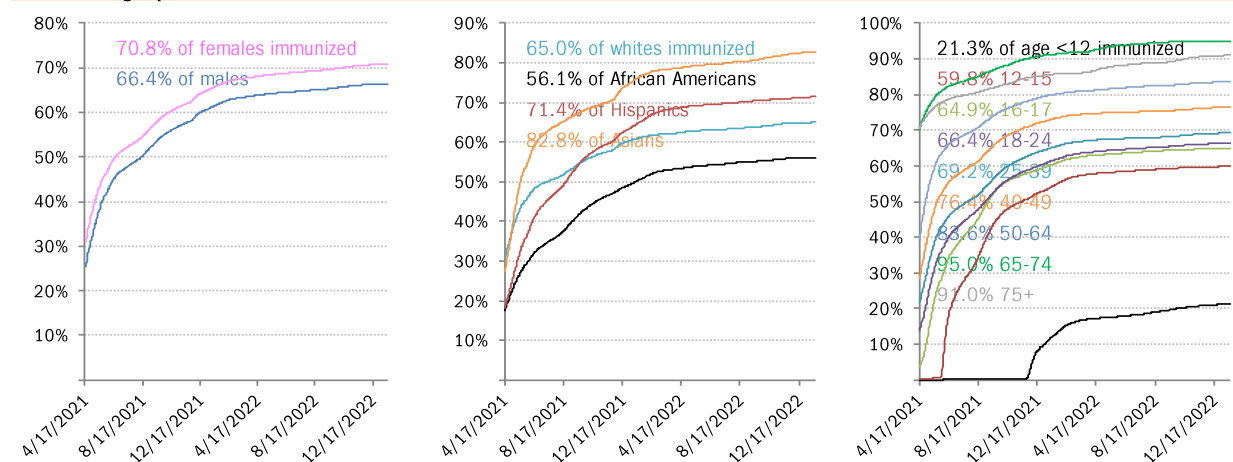
WI
75.0%
68.1%

As of Jan 27

ME
95.0%
83.2%

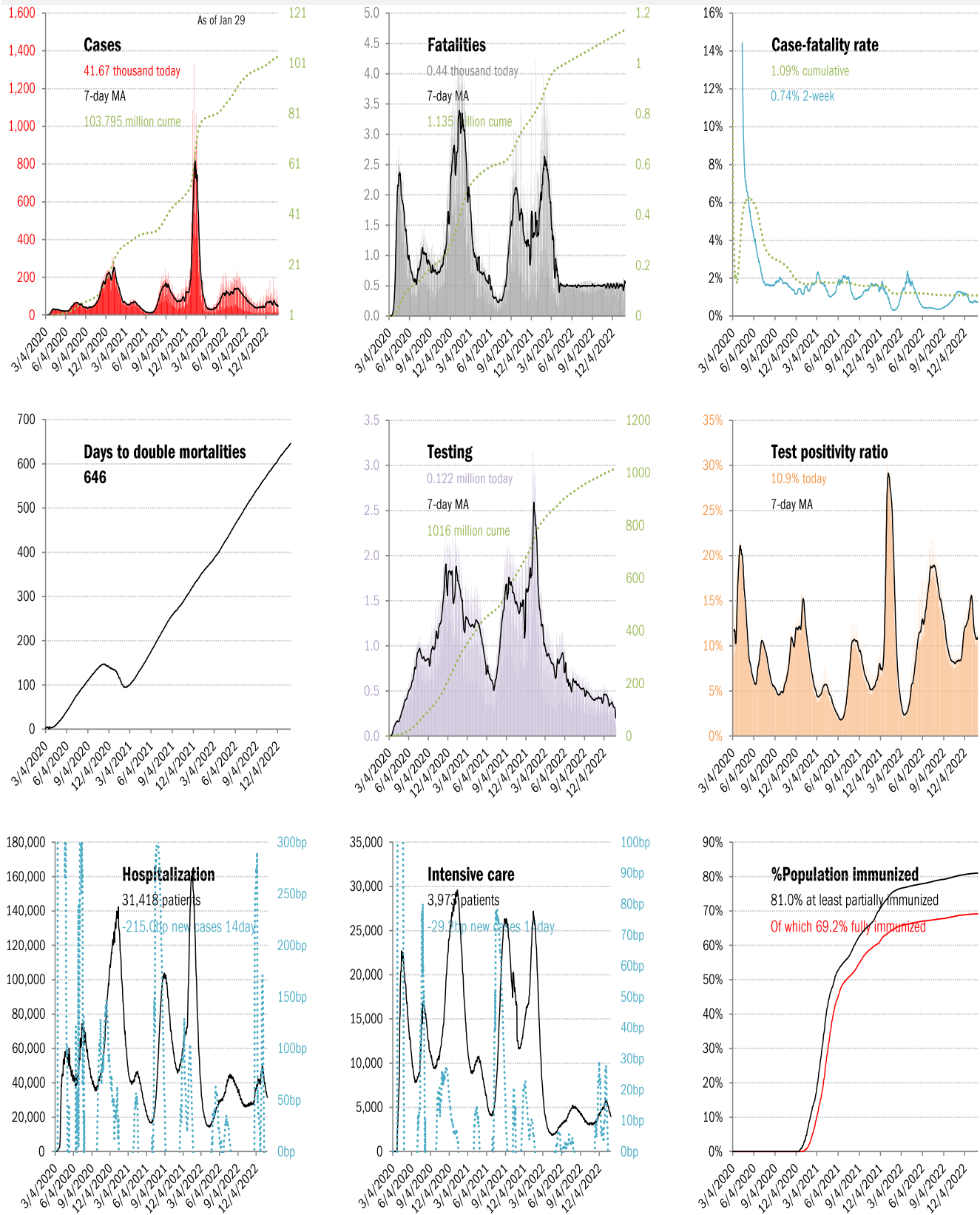
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
85.1%	63.8%	68.2%	69.3%	78.7%	79.0%	69.4%		94.3%	95.0%	88.0%
75.9%	56.4%	59.1%	58.6%	72.0%	71.1%	62.3%		80.7%	85.5%	71.8%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.5%	77.5%	60.8%	83.7%	70.6%	64.3%	65.7%	90.4%	94.5%	95.0%	
72.3%	63.6%	53.0%	66.2%	64.3%	57.7%	60.4%	73.2%	79.0%	84.1%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.6%	75.1%	83.5%	73.3%	69.2%	68.8%	67.4%	90.9%	91.6%	95.0%	95.0%
74.6%	66.6%	73.4%	66.2%	59.0%	59.6%	59.6%	76.5%	79.6%	82.9%	87.6%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	77.4%	94.2%	76.1%	69.8%	64.4%	92.0%	70.9%	95.0%	88.1%	
	65.9%	75.1%	65.2%	56.8%	56.2%	67.0%	59.8%	90.2%	73.2%	
			OK	LA	MS	AL	GA			
			74.5%	62.7%	61.6%	64.9%	68.3%			
			60.4%	55.0%	53.6%	53.1%	57.2%			
			TX					FL		PR
			76.3%					82.4%		90.8%
			63.2%					69.3%		83.9%

## The demographics of US vaccination

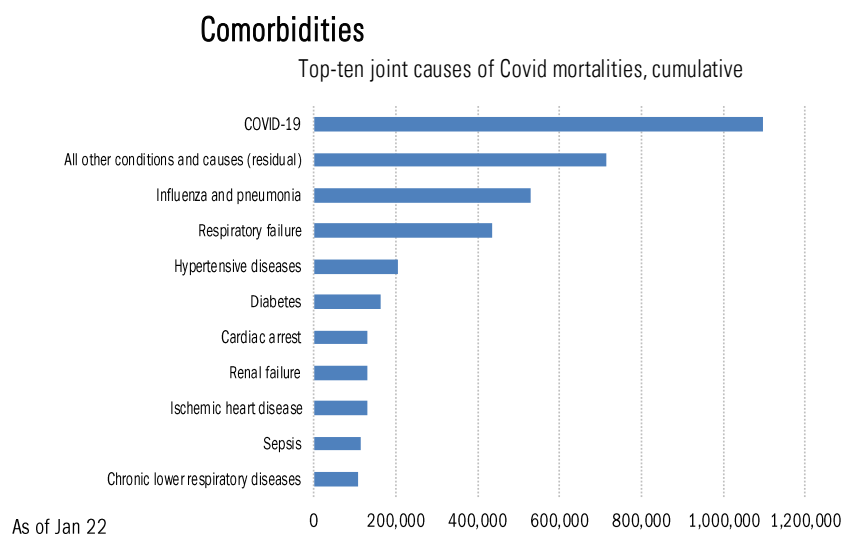
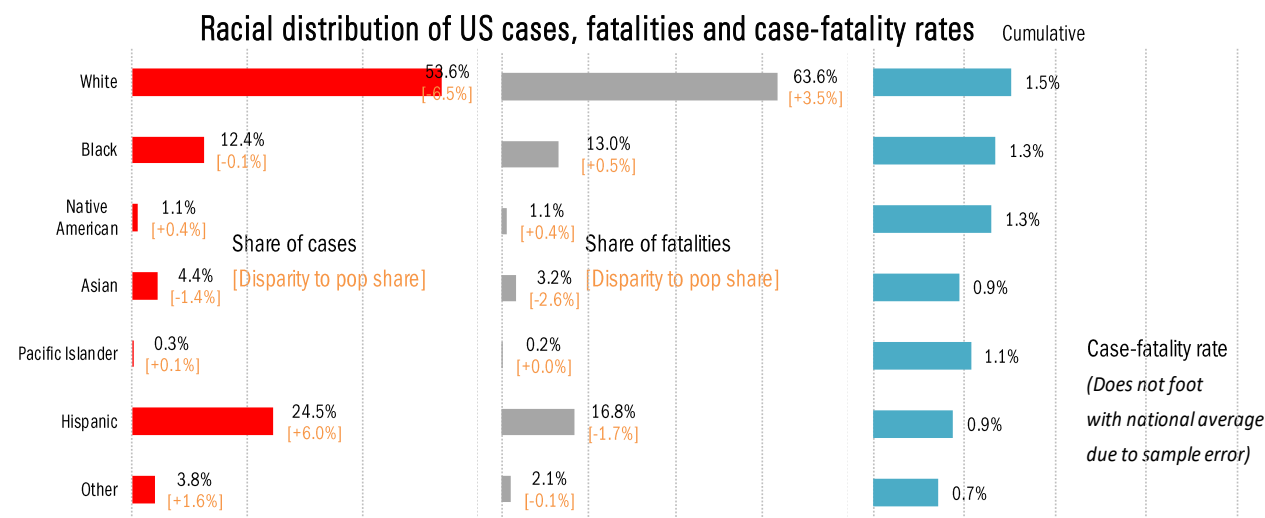
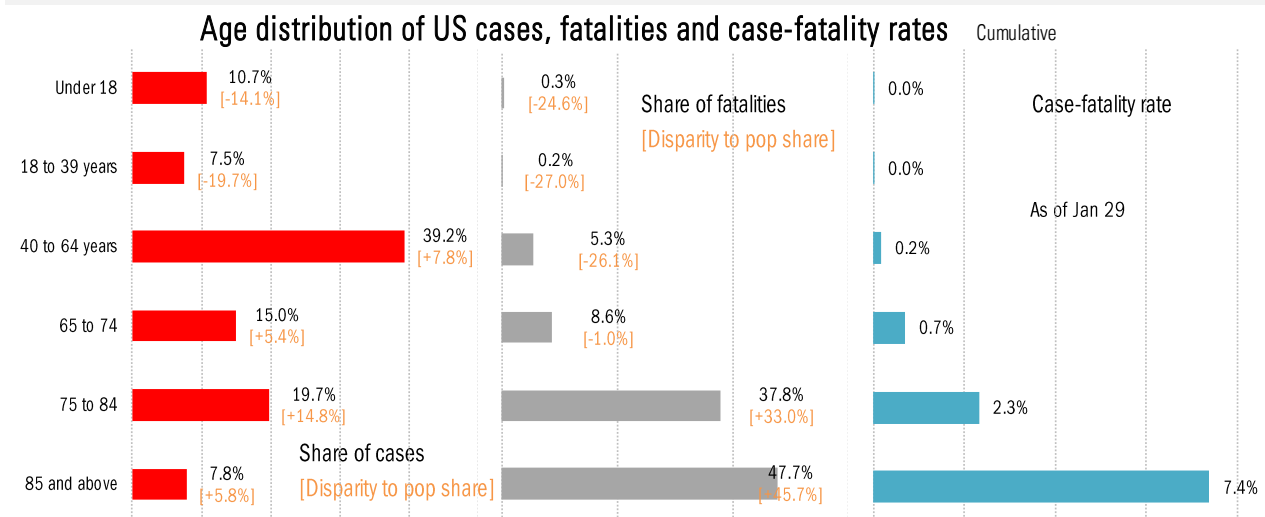


Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive



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



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

[Covid in China: Officials say current wave is 'coming to an end'](#)

Nicholas Yong

*BBC*

January 30, 2023

[Trump takes aim at DeSantis in first major campaign swing, says he's trying to 'rewrite history' on his Covid-19 record](#)

Kristen Holmes

*CNN*

January 28, 2023

[Absence from work at record high as Americans feel strain from Covid](#)

Melody Schreiber

*The Guardian*

January 29, 2023

## Meme of the Day

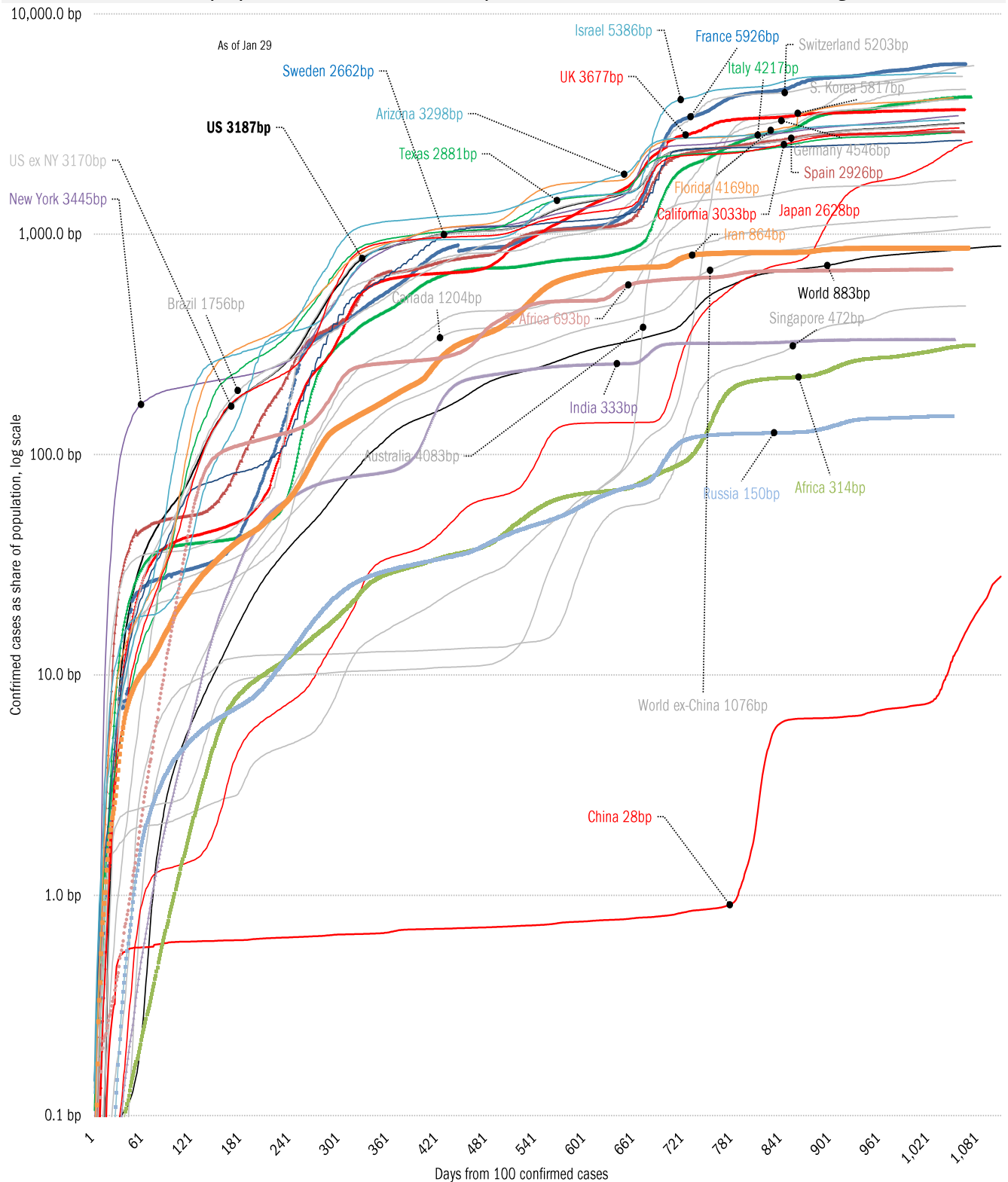


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



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

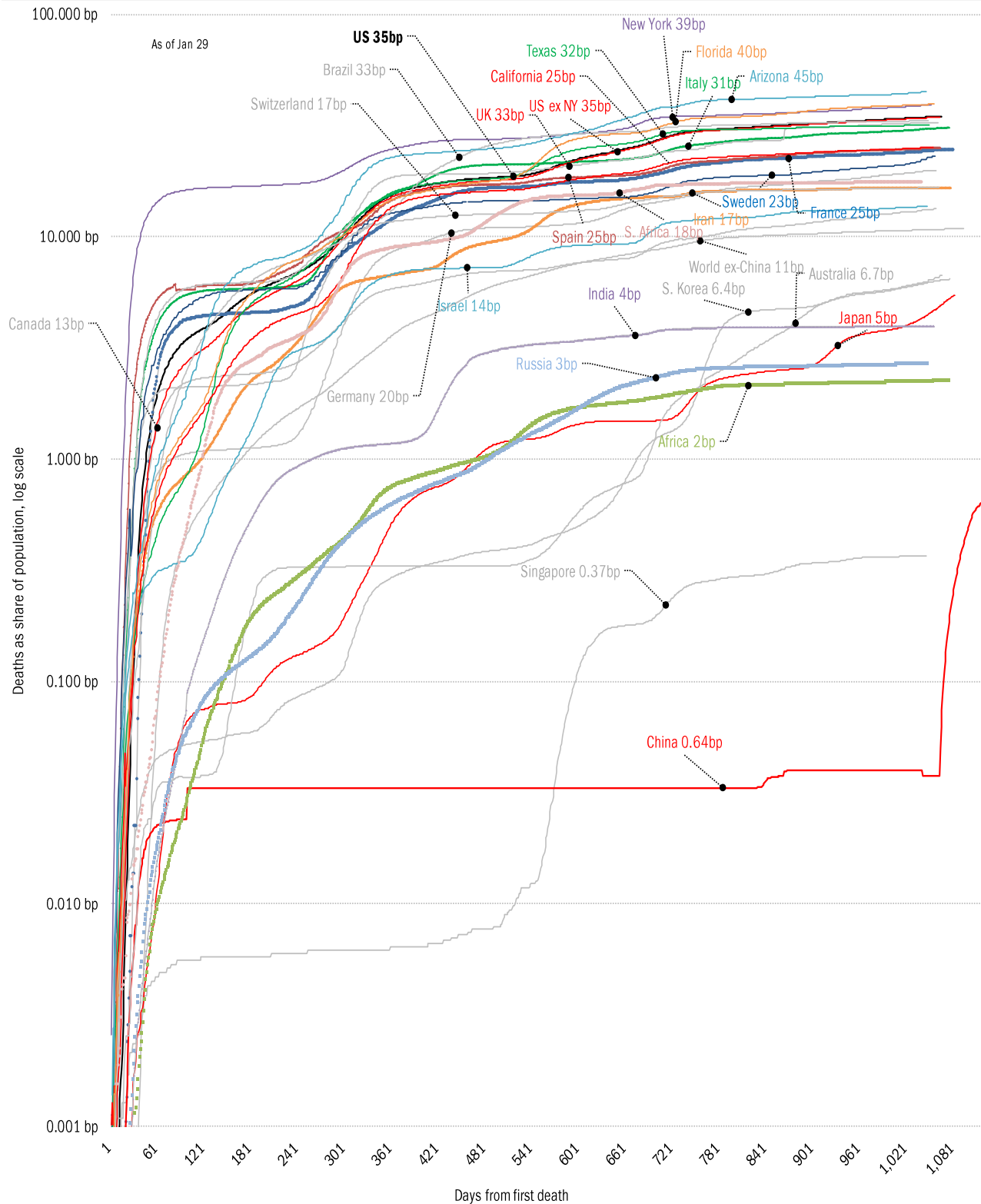
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



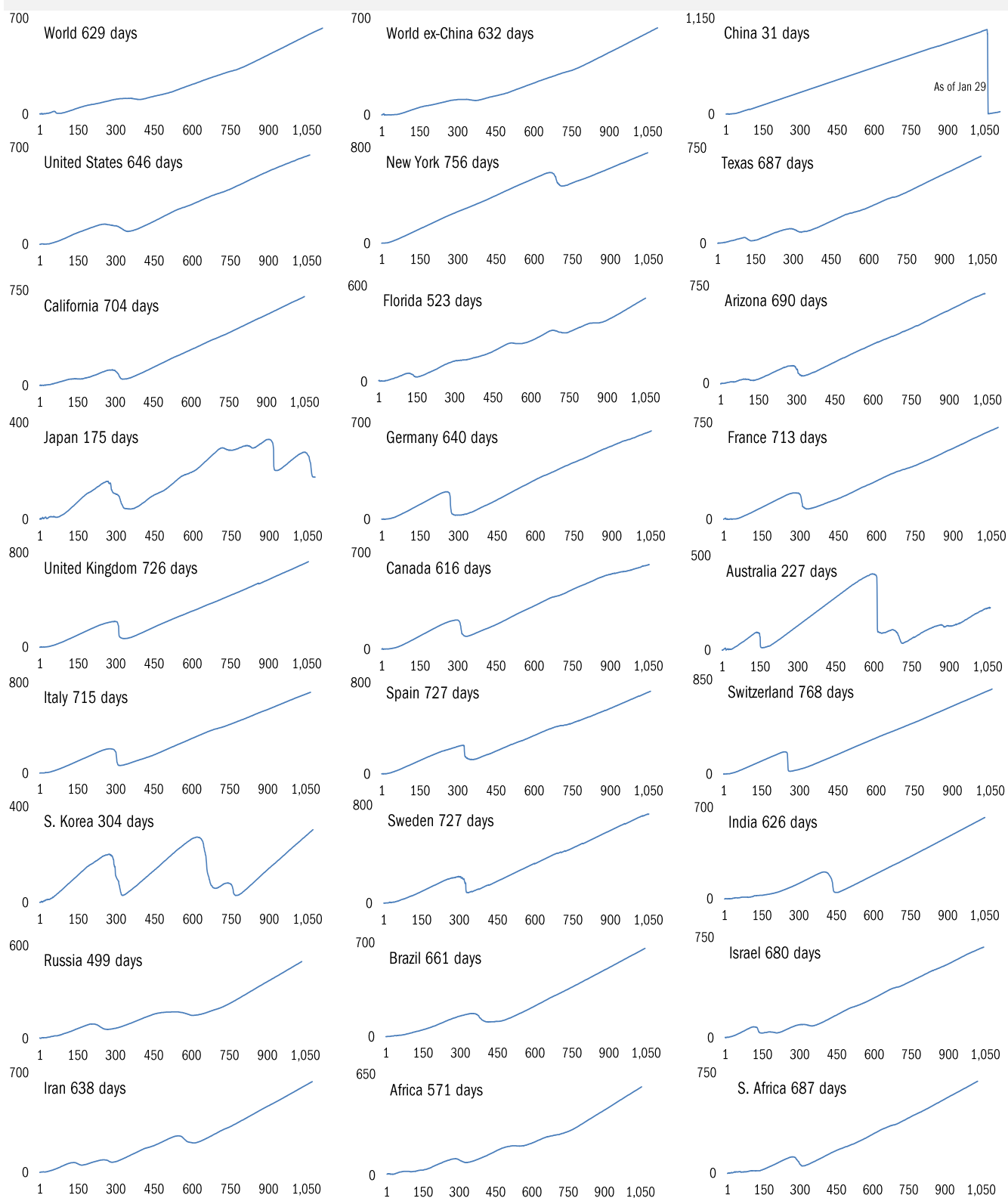
Source: [Johns Hopkins](#), TrendMacro calculations



# 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

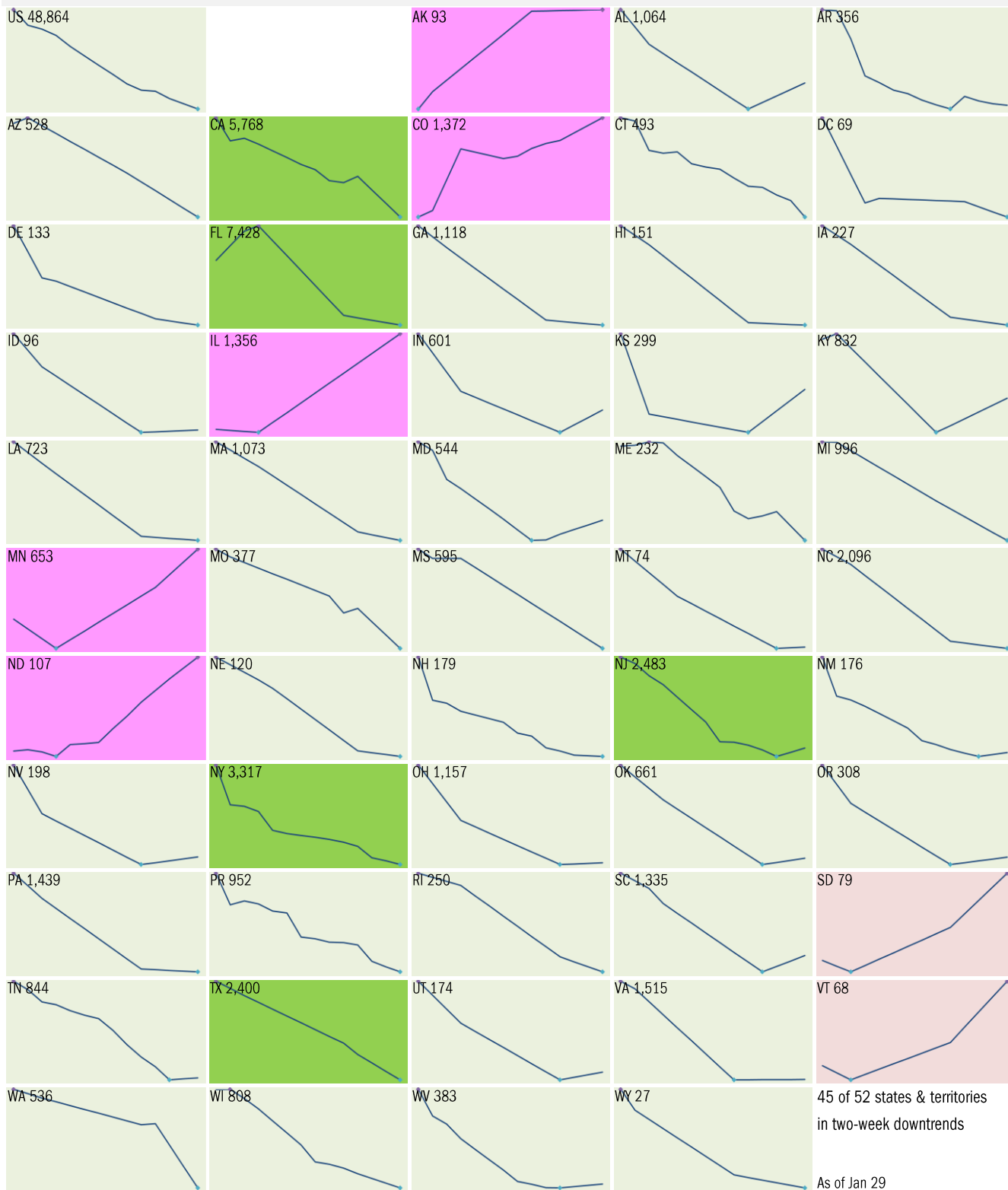


Source: [Johns Hopkins](#), TrendMacro calculations

## 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

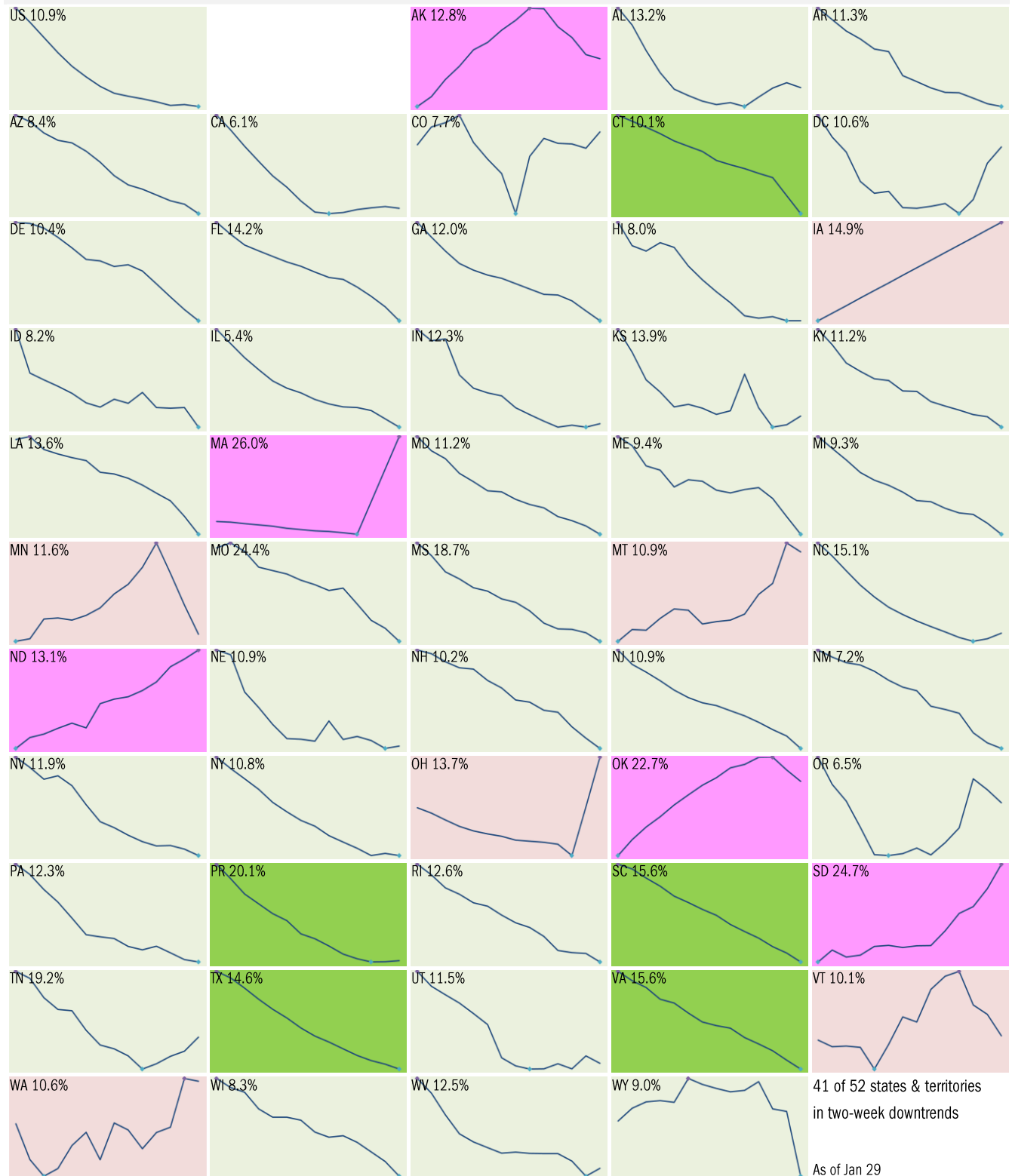


Source: [Johns Hopkins](#), TrendMacro calculations

## 14-day trajectory in test-positivity ratio

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

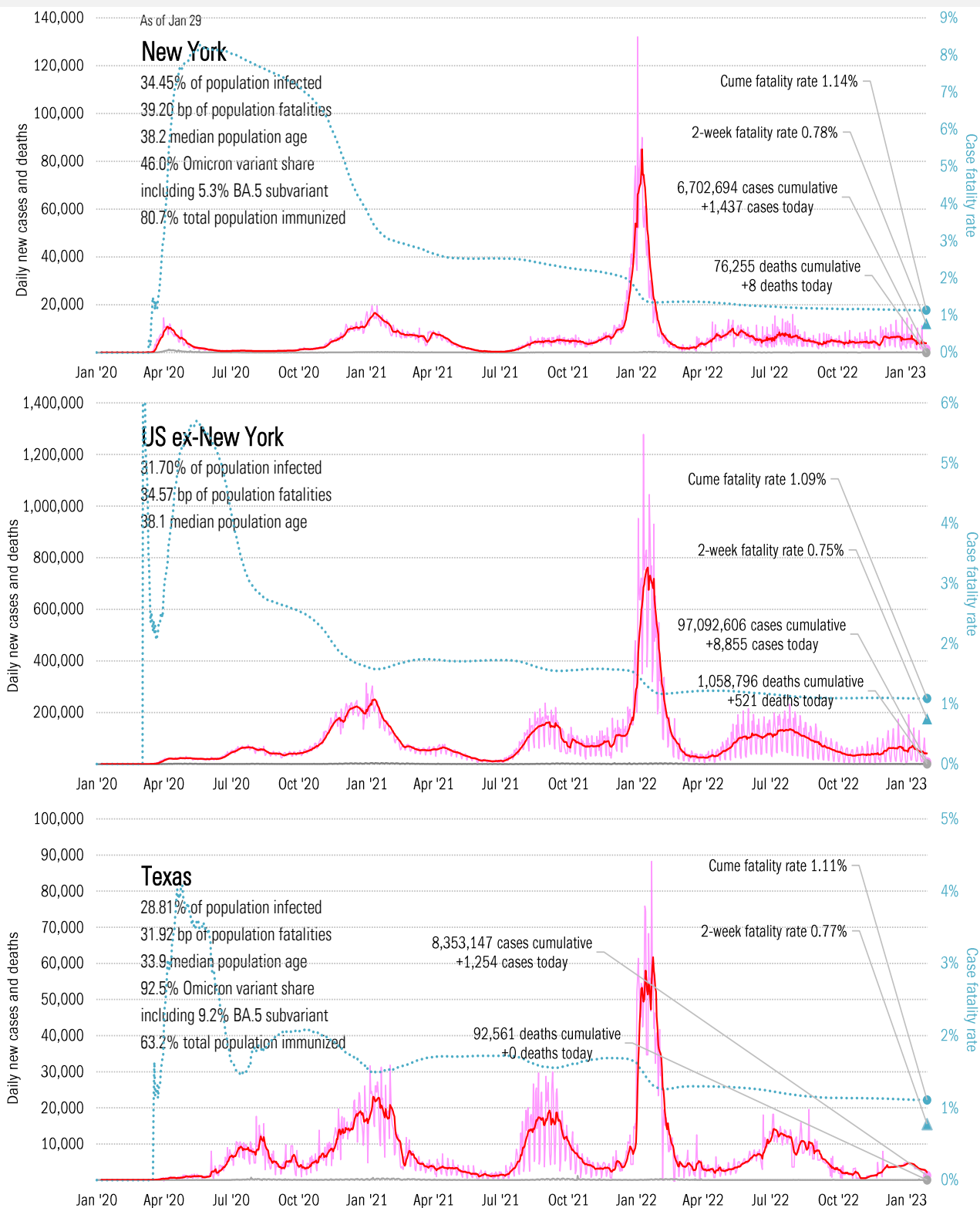
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

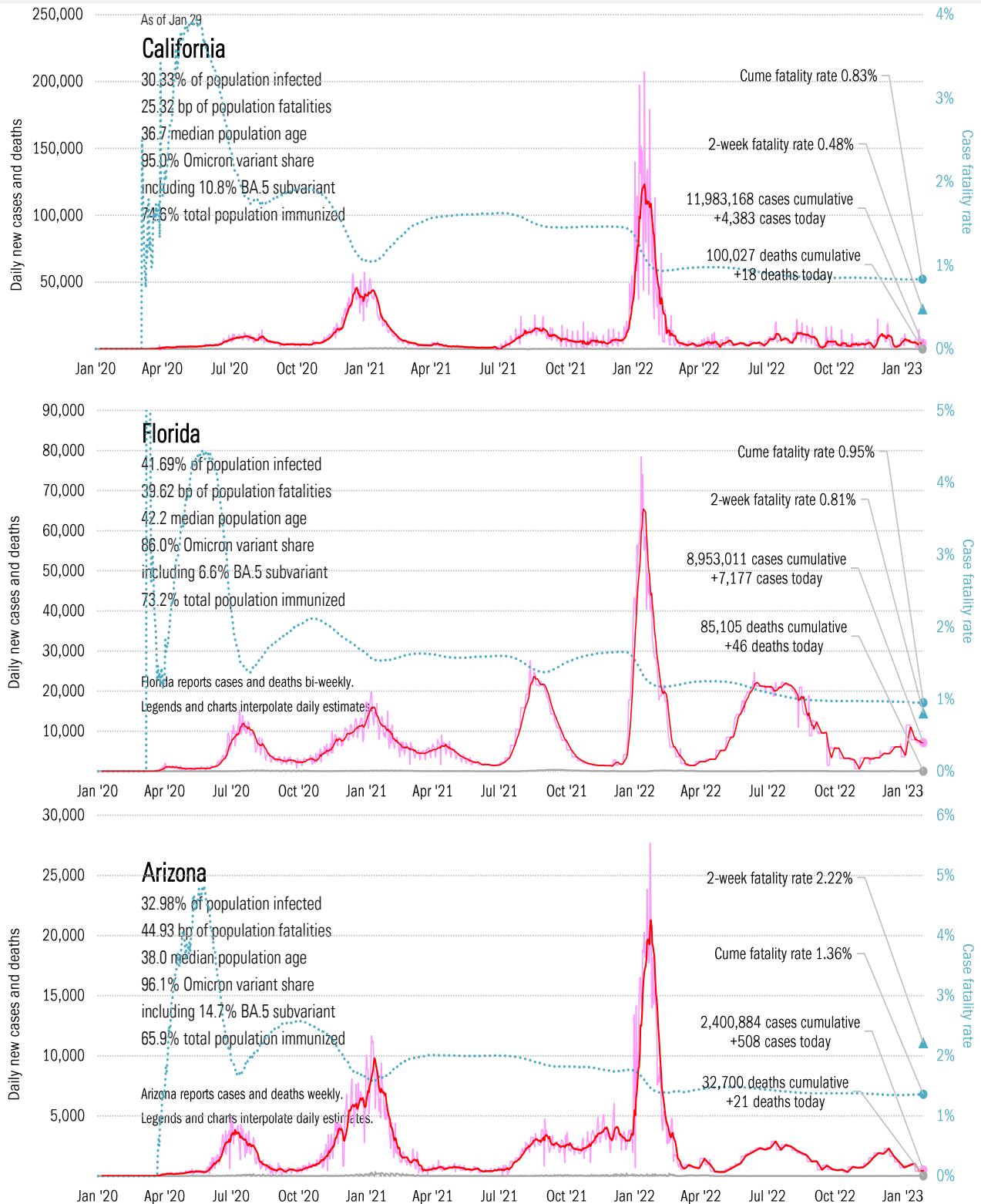
Cases: 7-day average and daily Deaths: Daily



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

## The sun-belt hot-spot states

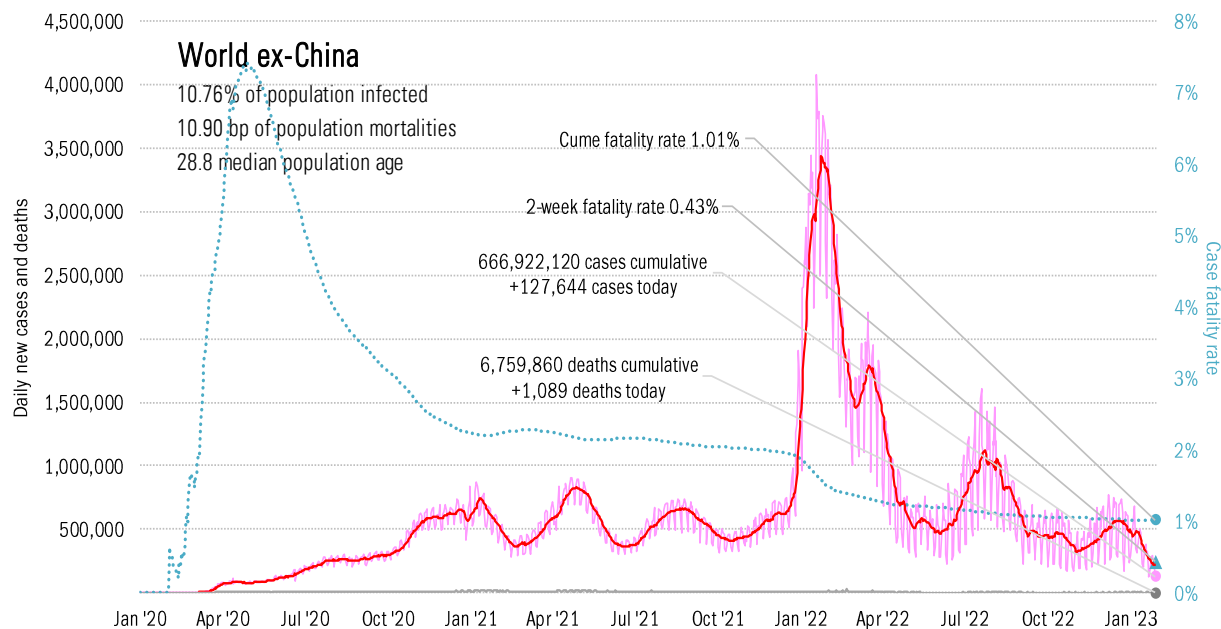
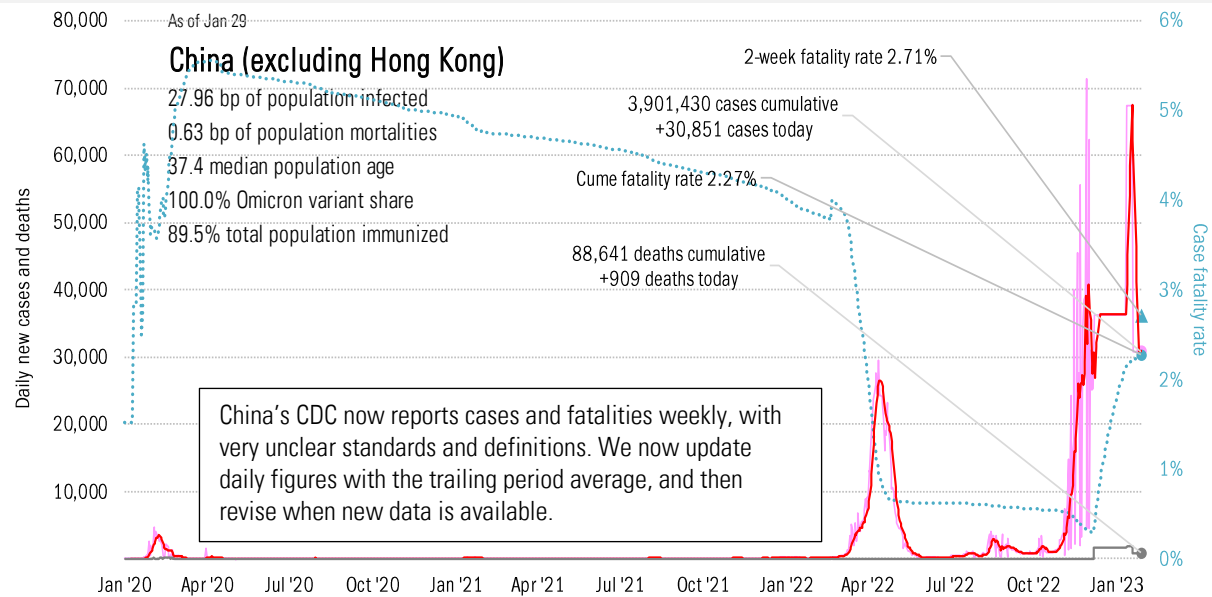
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

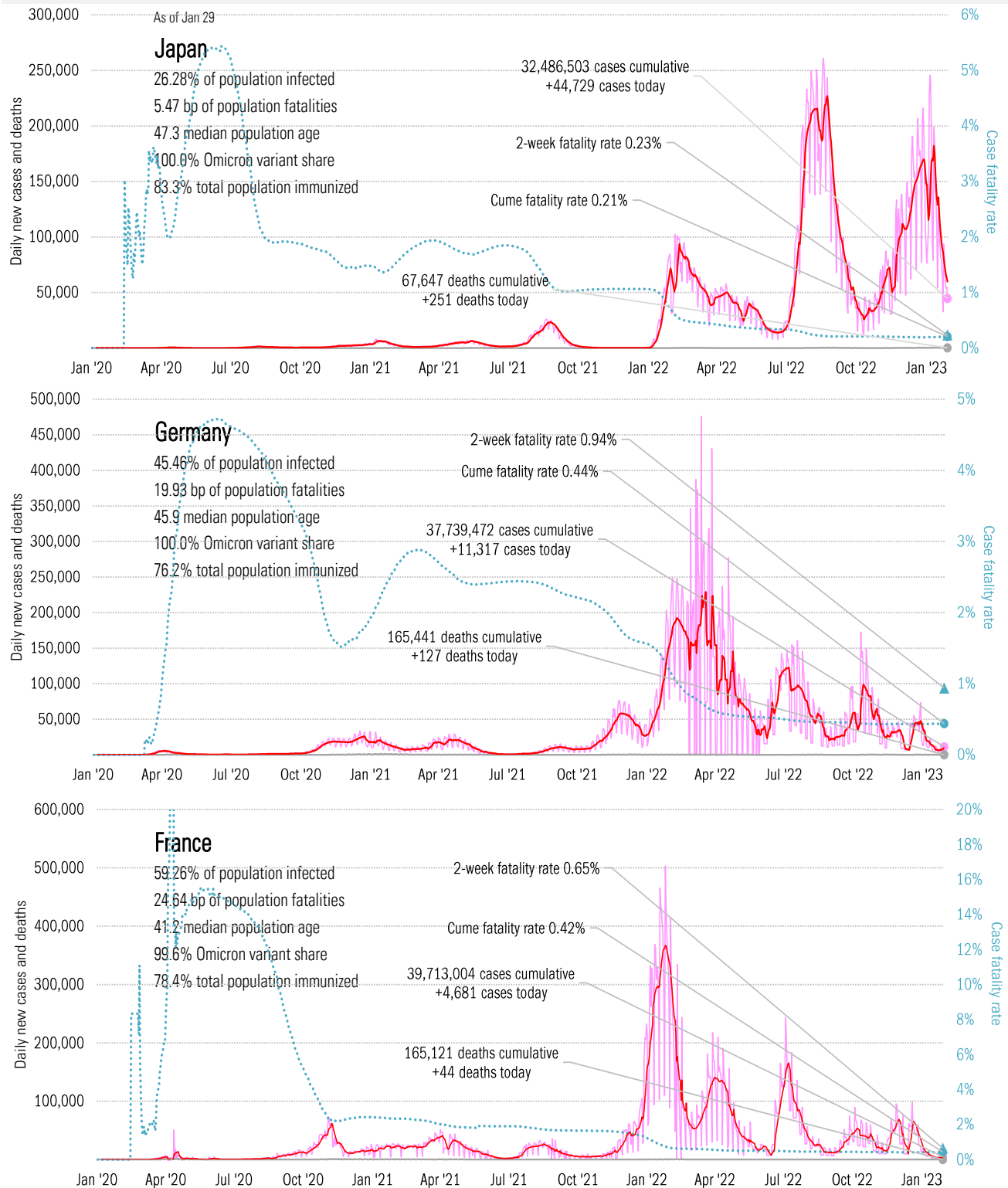
Cases: 7-day average and daily Deaths: Daily



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

## Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

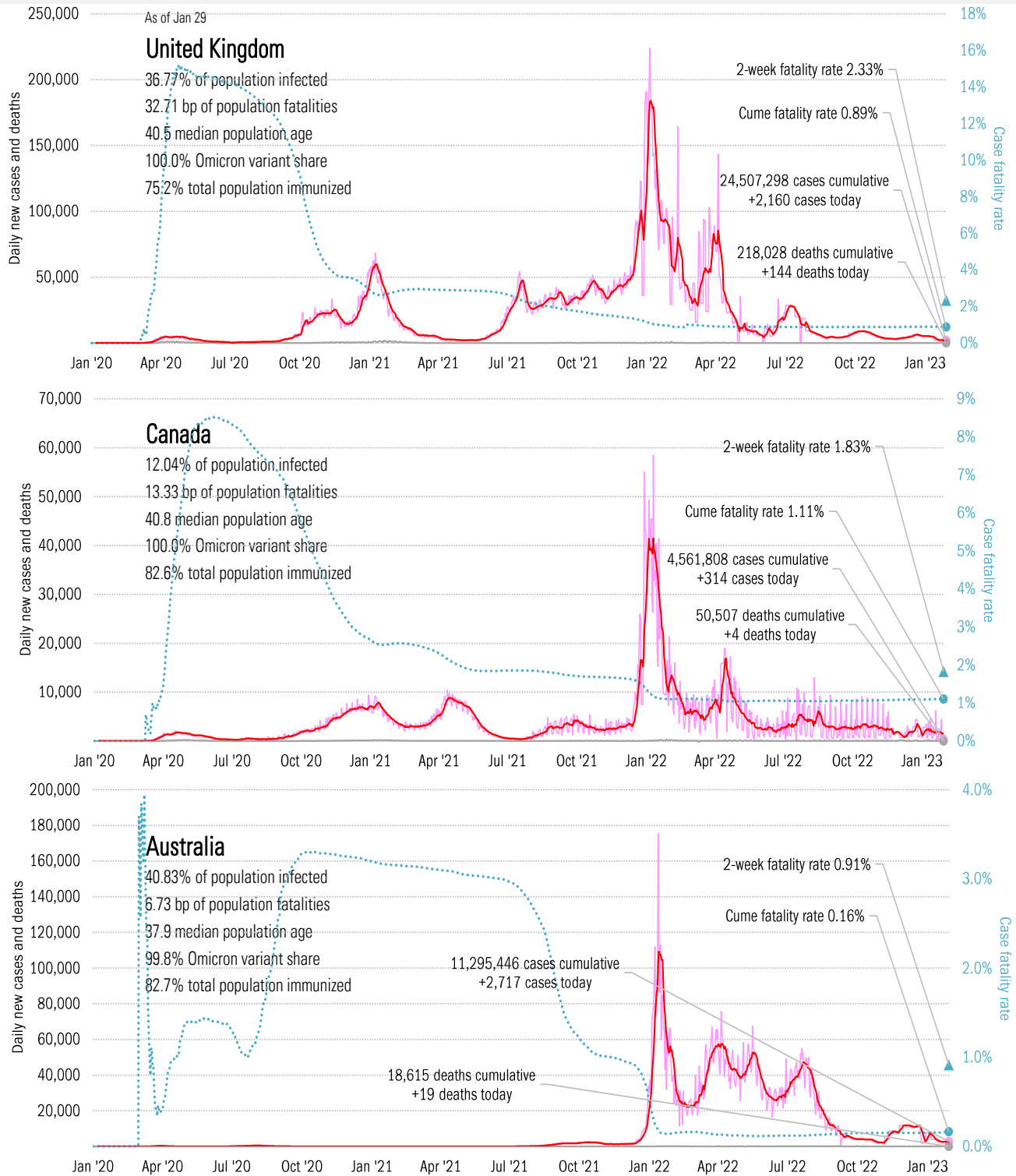


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

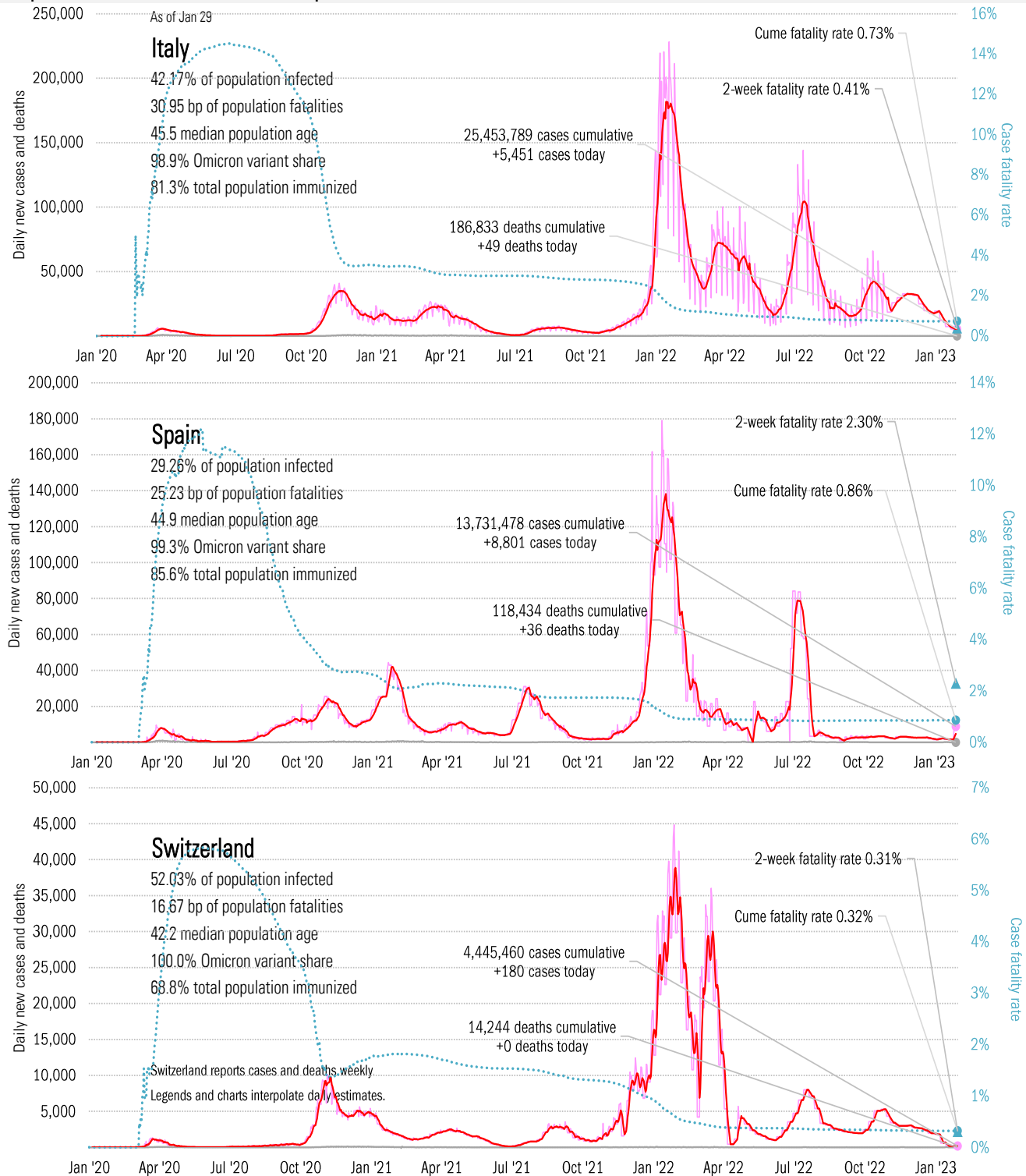
Cases: 7-day average and daily Deaths: Daily



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

## Impact in continental Europe

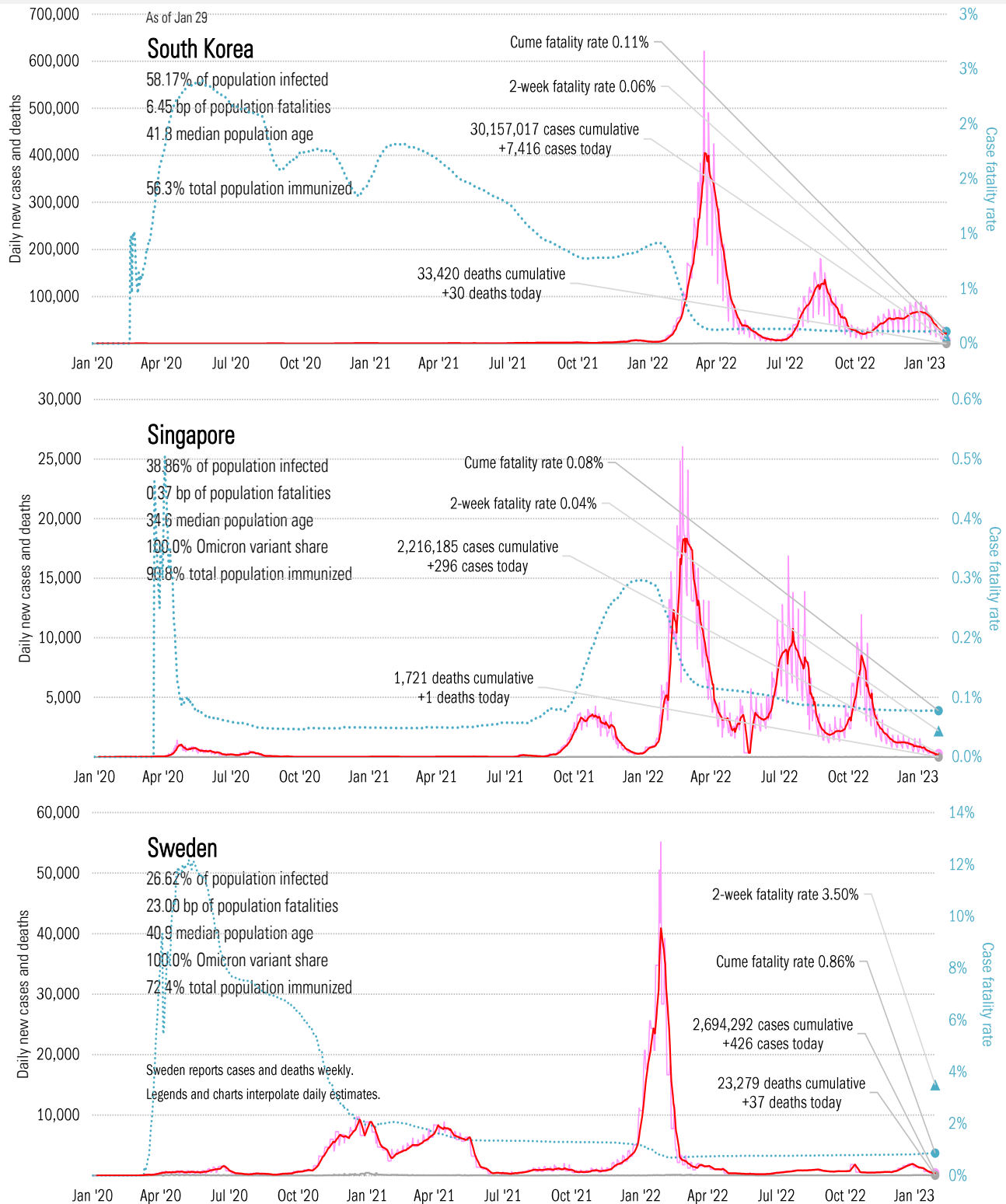
Cases: 7-day average and daily Deaths: Daily



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

## Impact in other hot-spots

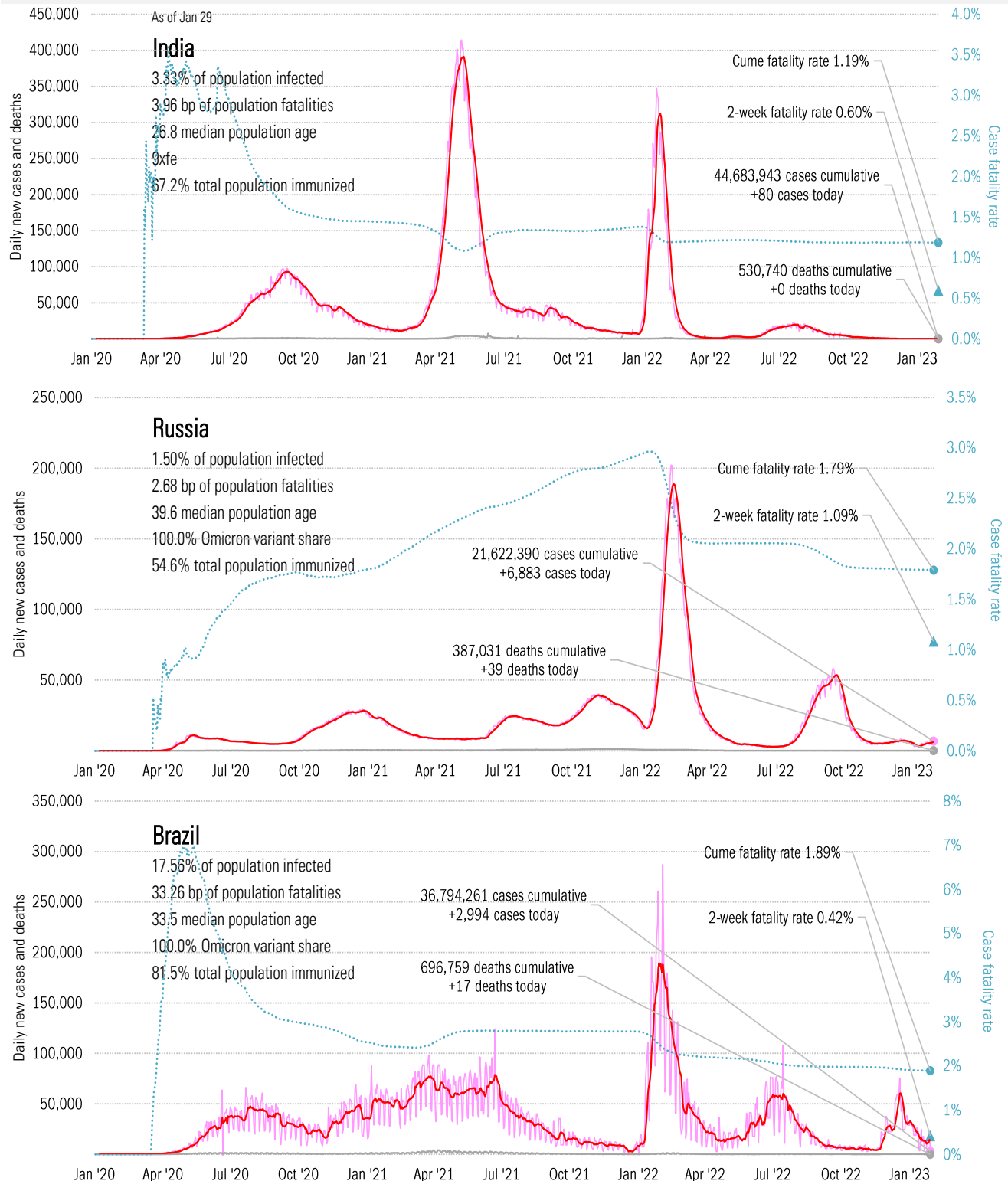
Cases: 7-day average and daily Deaths: Daily



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

## Impact in the BRICs ex-China

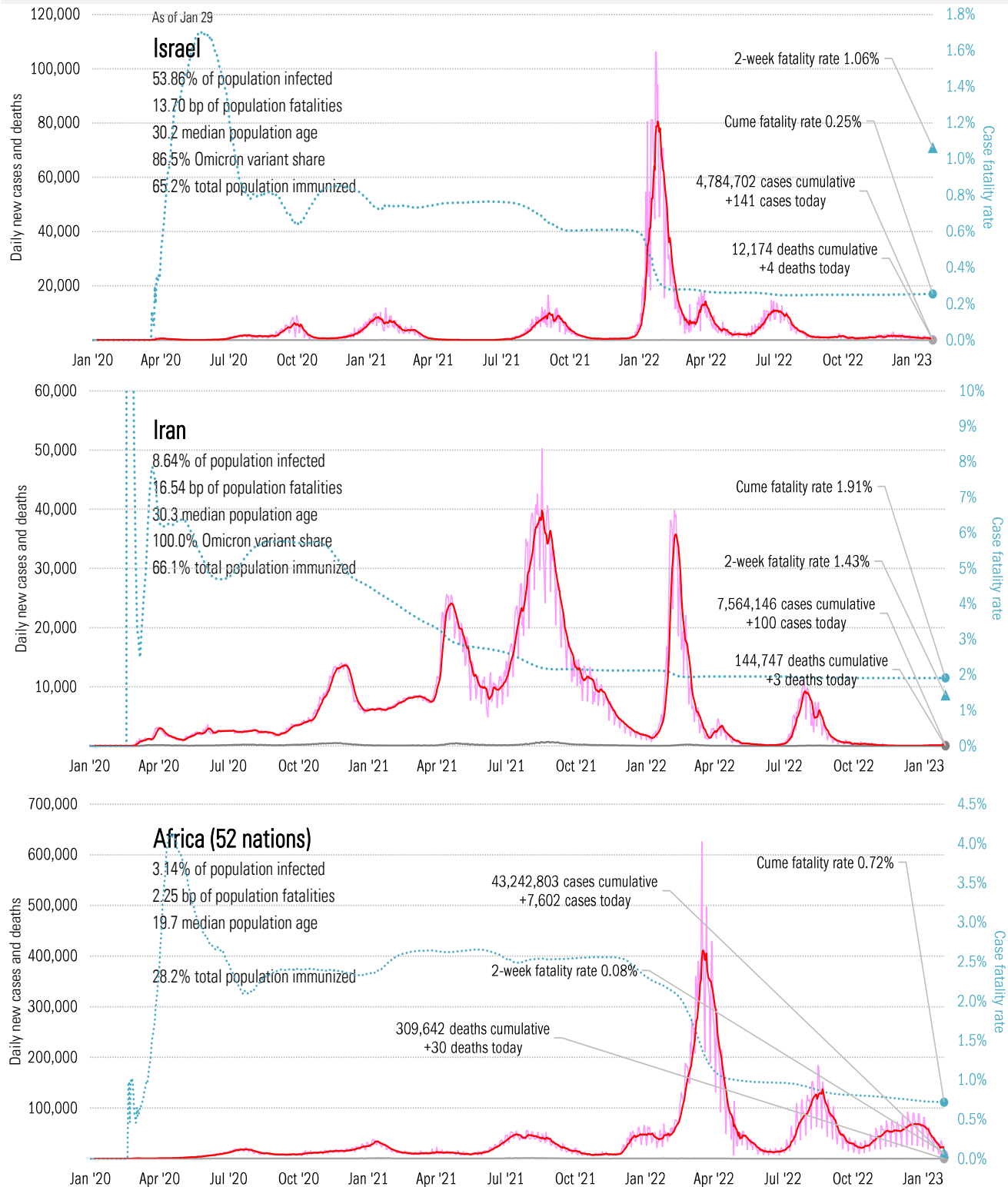
Cases: 7-day average and daily Deaths: Daily



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

## Impact in the Middle East and Africa

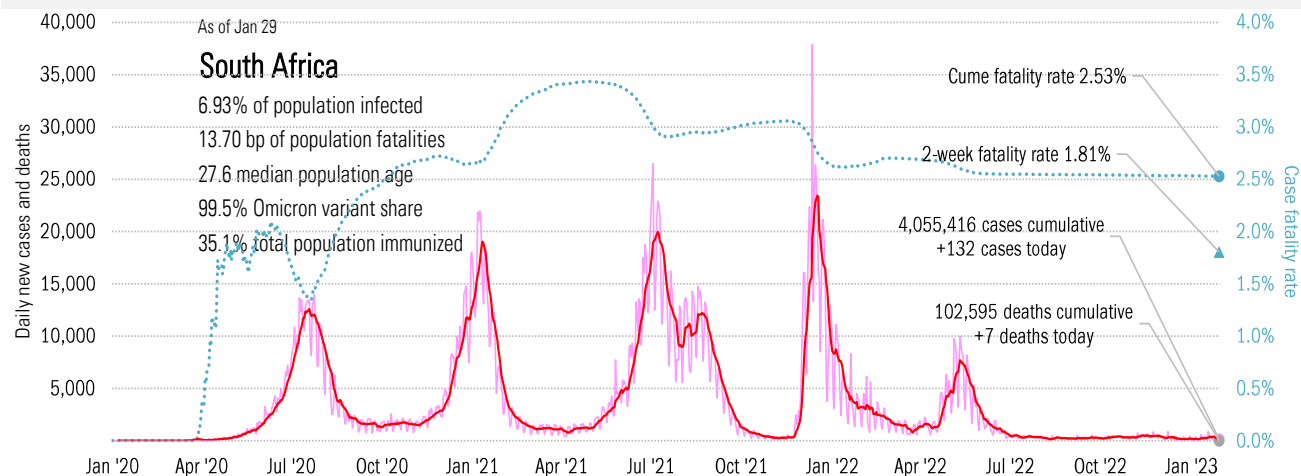
Cases: 7-day average and daily Deaths: Daily



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

## Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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