

## Data Insights: Covid-2019 Monitor

Thursday, February 2, 2023

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

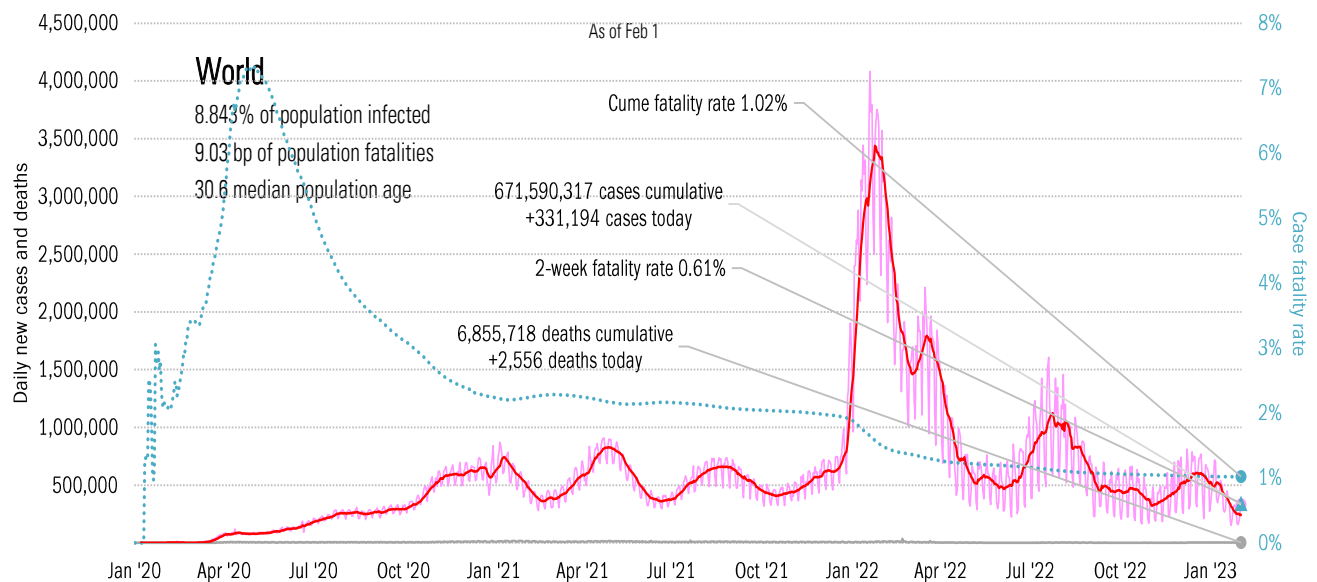
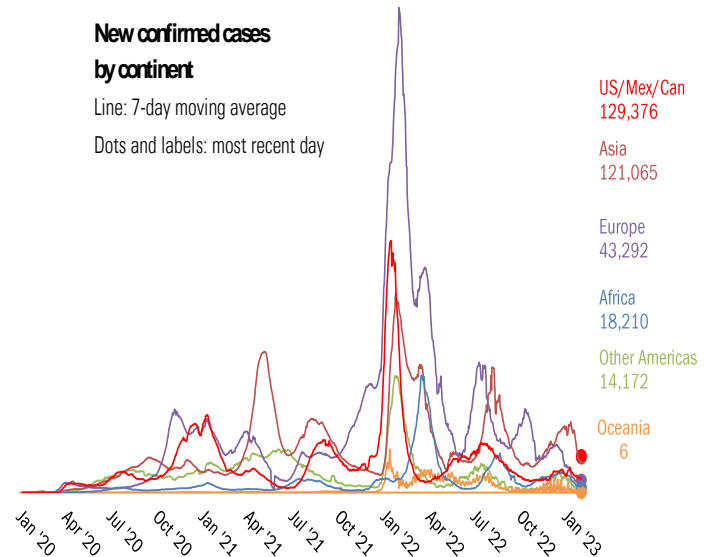
The worst ten countries (see China note page 14)

New cases		New Deaths	
Japan	55,537	China	909
United States	45,435	United States	481
Taiwan*	31,788	Japan	308
China	30,851	Germany	154
Germany	16,957	Brazil	126
Korea, South	16,862	Mexico	126
Brazil	13,363	Colombia	58
Mexico	9,081	France	53
Spain	8,801	Ireland	53
Russia	8,462	Italy	49

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

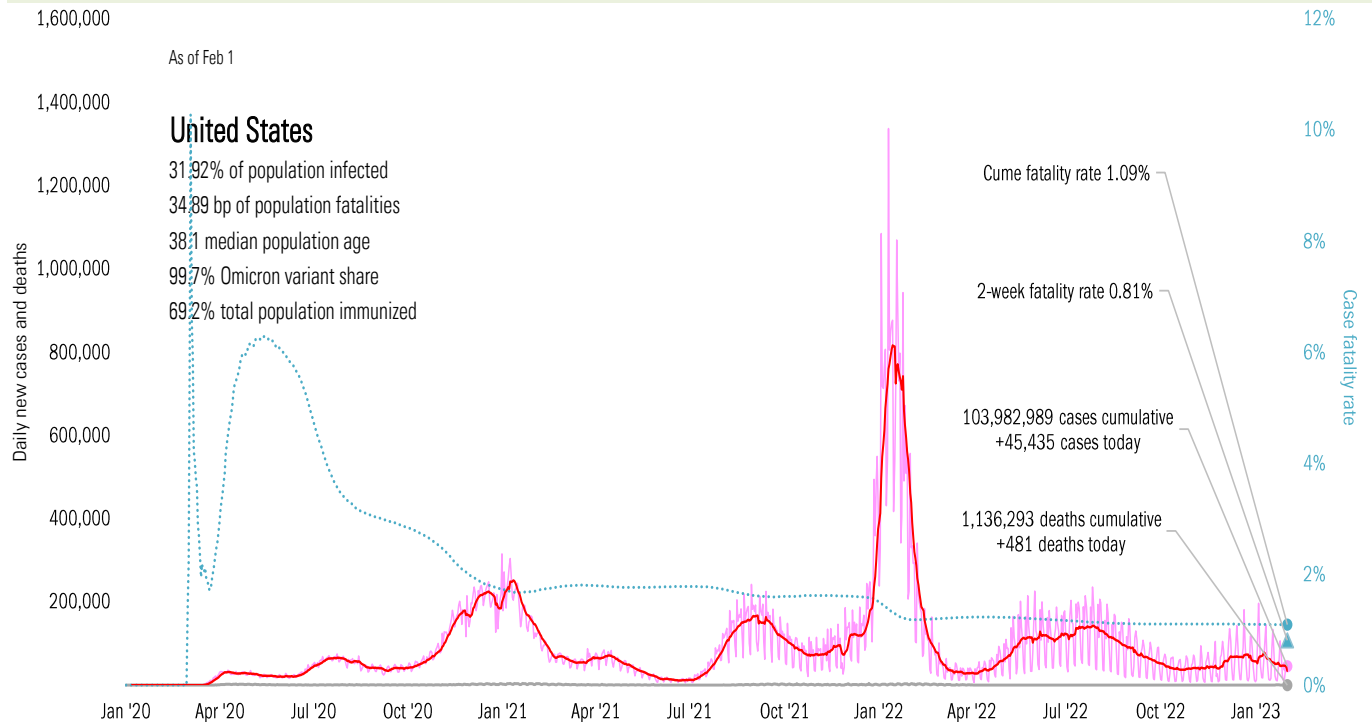
## The ten worst US states

New cases			New deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use		
FL	7,177		FL	46		MA	128		CA	11,987,678		CA	100,109		TX	582,287		FL	88%	AL	87%	
TX	5,145		NY	37		MO	65		TX	8,372,997		TX	92,711		CA	558,129		RI	88%	TX	87%	
NY	2,982		MI	35		CO	42		FL	7,443,954		FL	84,927		FL	526,867		MA	86%	WV	86%	
NJ	1,979		CA	31		ME	18		NY	6,716,939		NY	76,477		NY	348,442		DE	86%	NH	86%	
NC	1,892		MA	27		NH	20		IL	4,019,768		PA	49,791		CH	241,156		MD	84%	RI	85%	
CA	1,583		SC	24		OR	42		PA	3,479,345		GA	42,054		GA	239,617		NH	84%	DC	84%	
IL	1,561		PA	23		WA	57		NC	3,425,789		MI	41,690		PA	226,787		WA	84%	OK	83%	
LA	1,462		GA	20		AL	64		CH	3,347,767		CH	41,355		IL	209,950		MN	83%	MA	83%	
SC	1,411		IL	15		HI	12		GA	3,035,874		IL	41,088		MI	178,696		SC	83%	NC	83%	
VA	1,393		AZ	15		LA	63		MI	3,030,505		NJ	35,806		NJ	160,054		WV	82%	NM	82%	
26,586			273			511			54,860,616			606,008			3,271,985							
All states	45,435		481		3,771				All states	103,982,989		1,136,293		5,930,954				All states	70%		67%	
Top ten	59%		57%		14%				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	
CA	-1,344	NY	-40	GA	-89
MD	-791	CA	-20	PA	-79
AR	-228	WI	-11	FL	-60
ME	-131	WV	-10	TN	-47
WI	-91	MS	-7	IN	-39

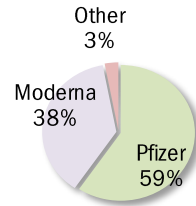


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# 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

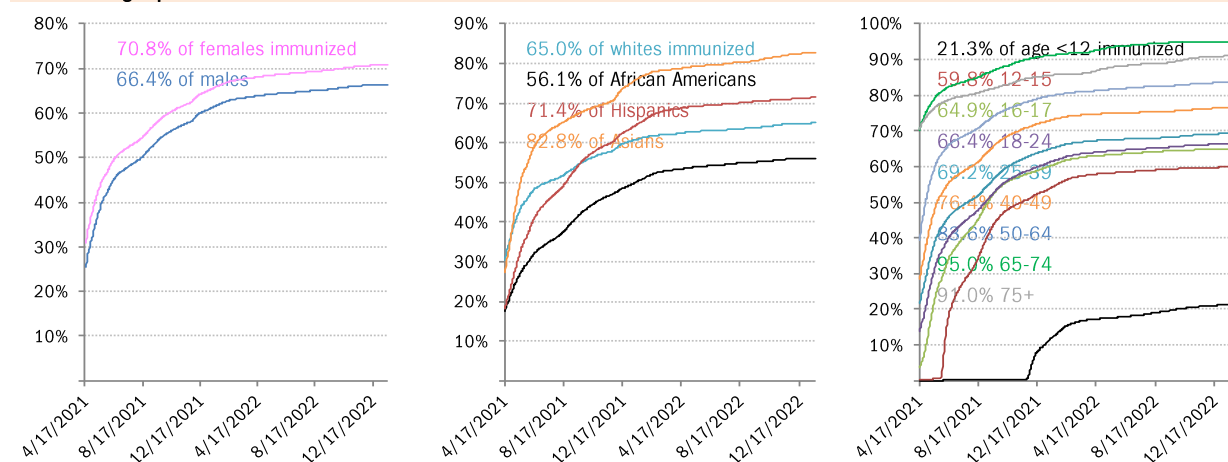
"Immunity" = two doses

Best
Middle
Worst

As of Jan 27

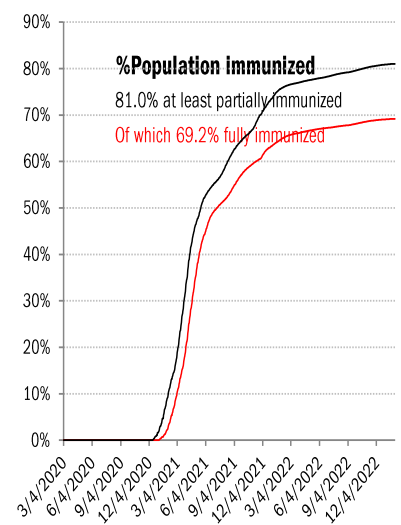
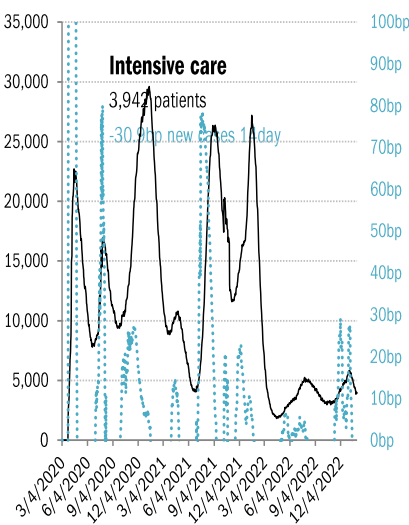
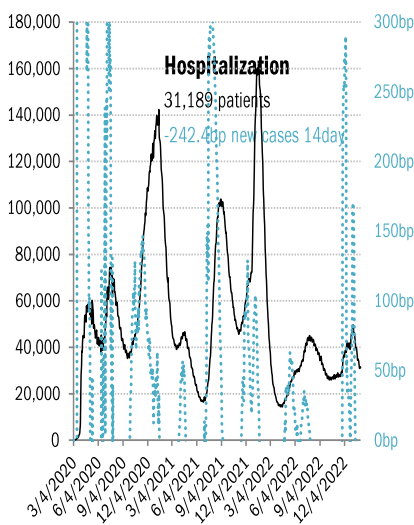
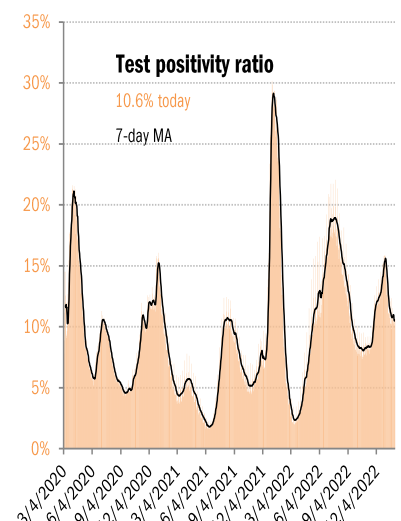
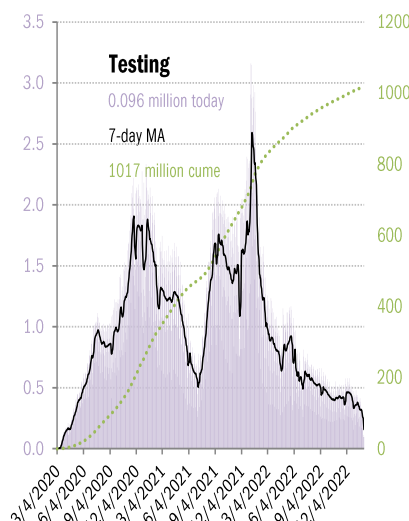
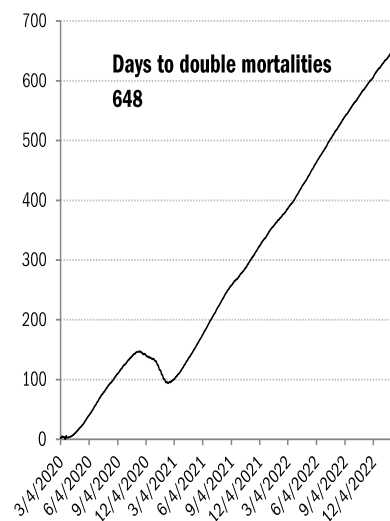
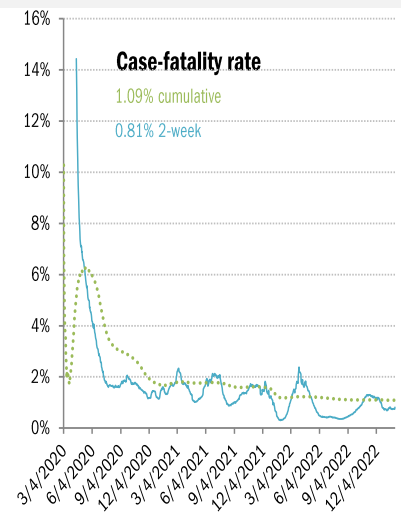
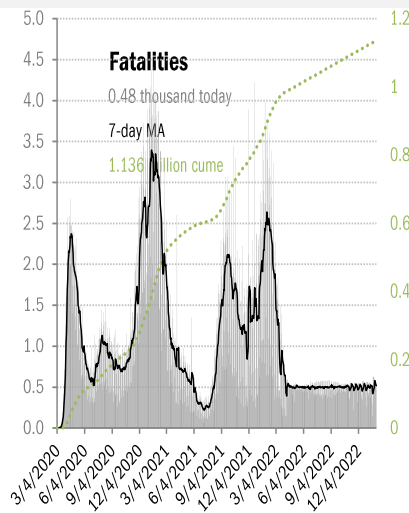
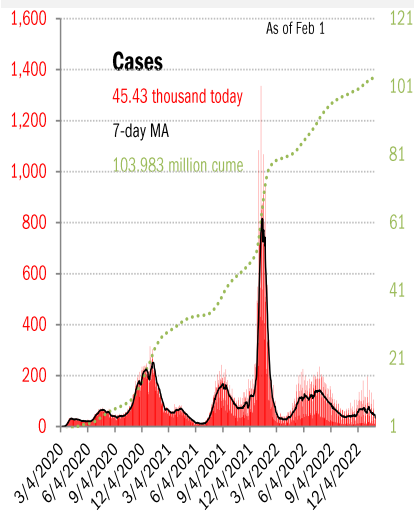
"Immunity" = two doses					As of Jan 27					
72.9%				WI						ME
65.1%				75.0%						95.0%
				68.1%						83.2%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
85.1%	63.8%	68.2%	69.3%	78.7%	79.0%	69.4%		94.3%	95.0%	88.0%
75.9%	56.4%	59.1%	58.6%	72.0%	71.1%	62.3%		80.7%	85.5%	71.8%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.5%	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%			
HI			TX					FL		PR
91.3%			76.3%					82.4%		90.8%
81.4%			63.2%					69.3%		83.9%

## The demographics of US vaccination

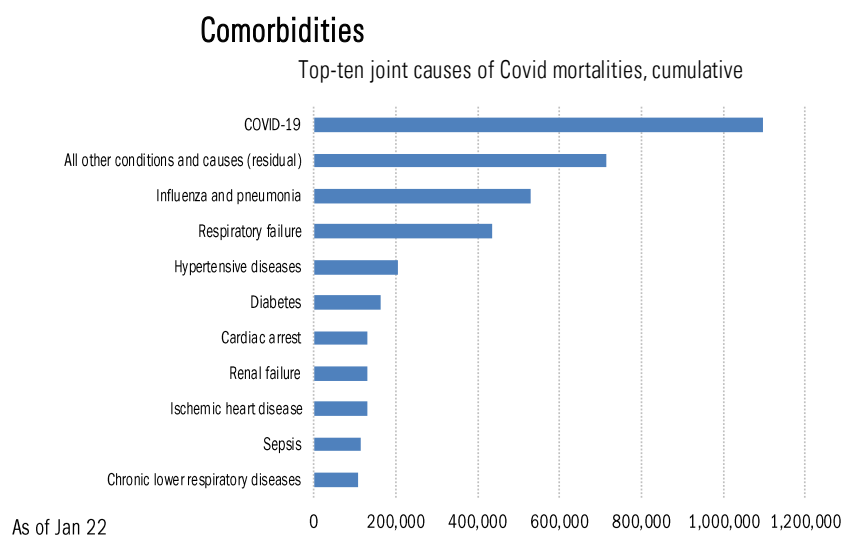
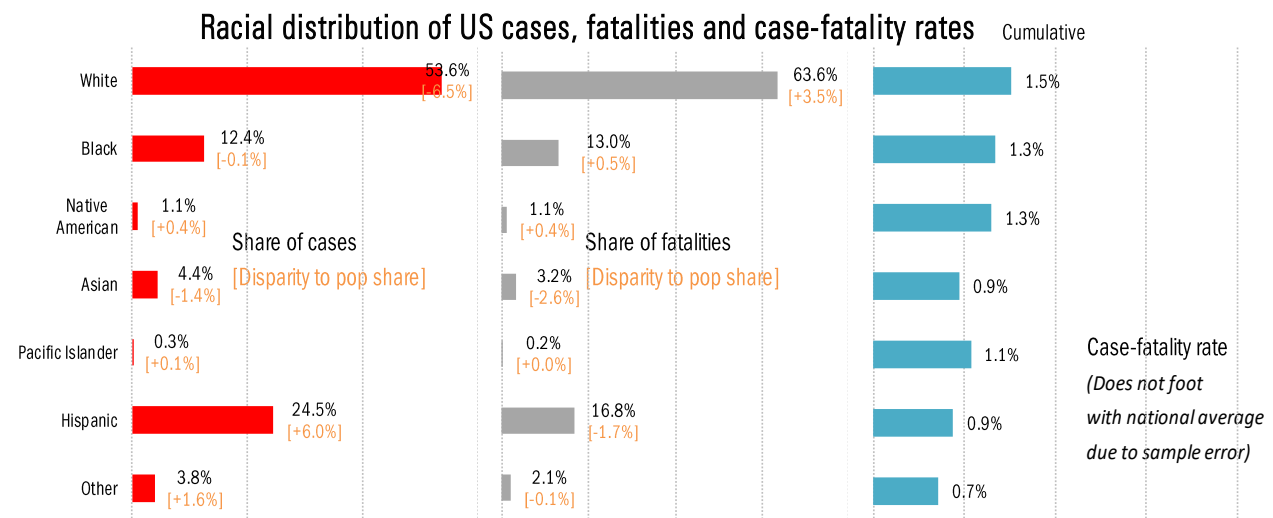
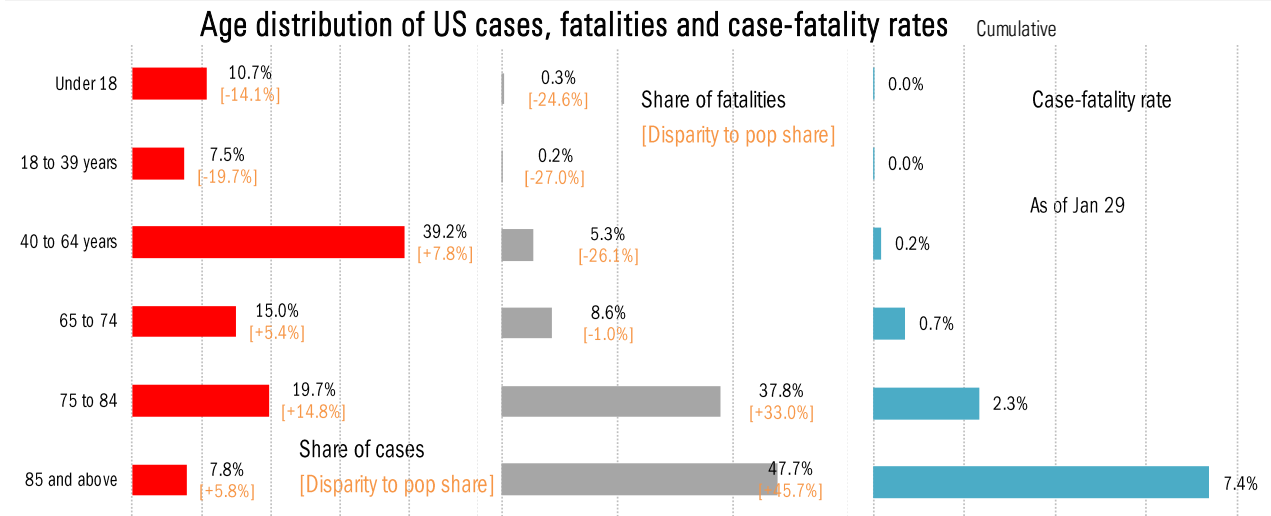


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# 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

[Revisiting "Covid is a leading cause of death in children" ... AGAIN](#)

Kelly Krohnert  
*Check Your Work*  
January 31, 2023

[Bleach Is Toxic, But Plenty of Americans Are Still Drinking It](#)

Kristen V Brown  
*Bloomberg*  
February 1, 2023

[Clusters of pandemic relief loans went to the same Chicago addresses, including homeless shelters, Sun-Times finds](#)

Frank Main and Lauren FitzPatrick  
*Chicago Sun Times*  
January 27, 2023

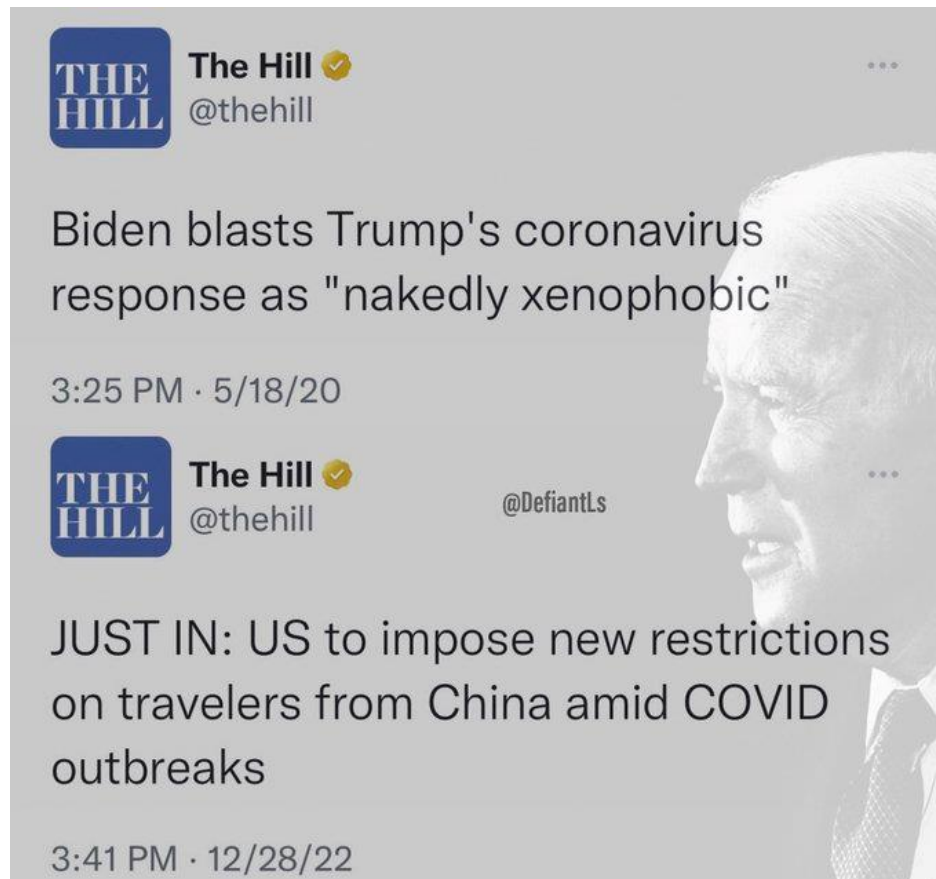
[The debate is over: Masks do NOT work](#)

Steve Kirsch  
*Steve Kirsch's Newsletter*  
February 1, 2023

[Physical interventions to interrupt or reduce the spread of respiratory viruses \(Review\)](#)

T. Jefferson et al.  
*Cochrane Library*  
2023

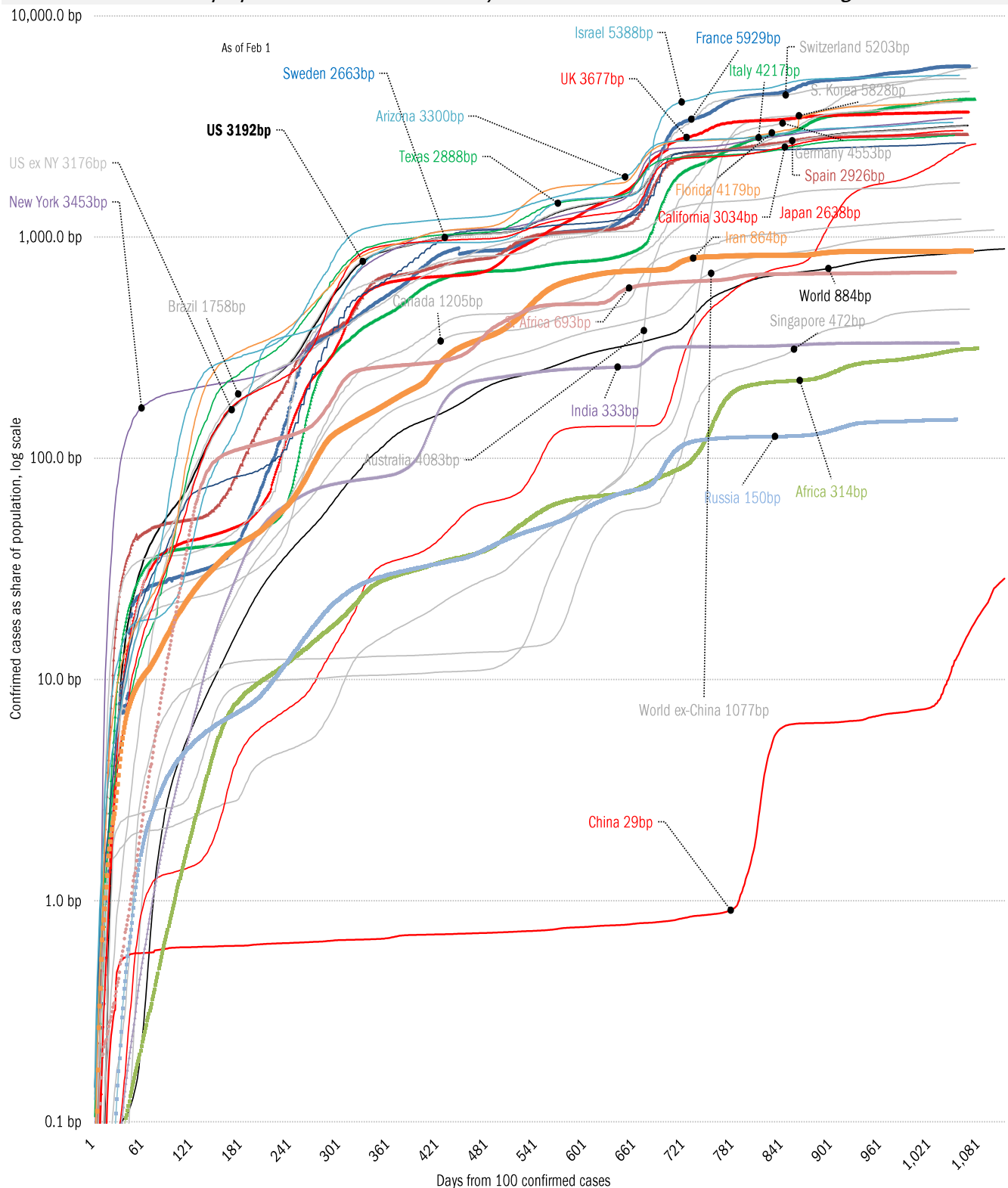
## Meme of the Day



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

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

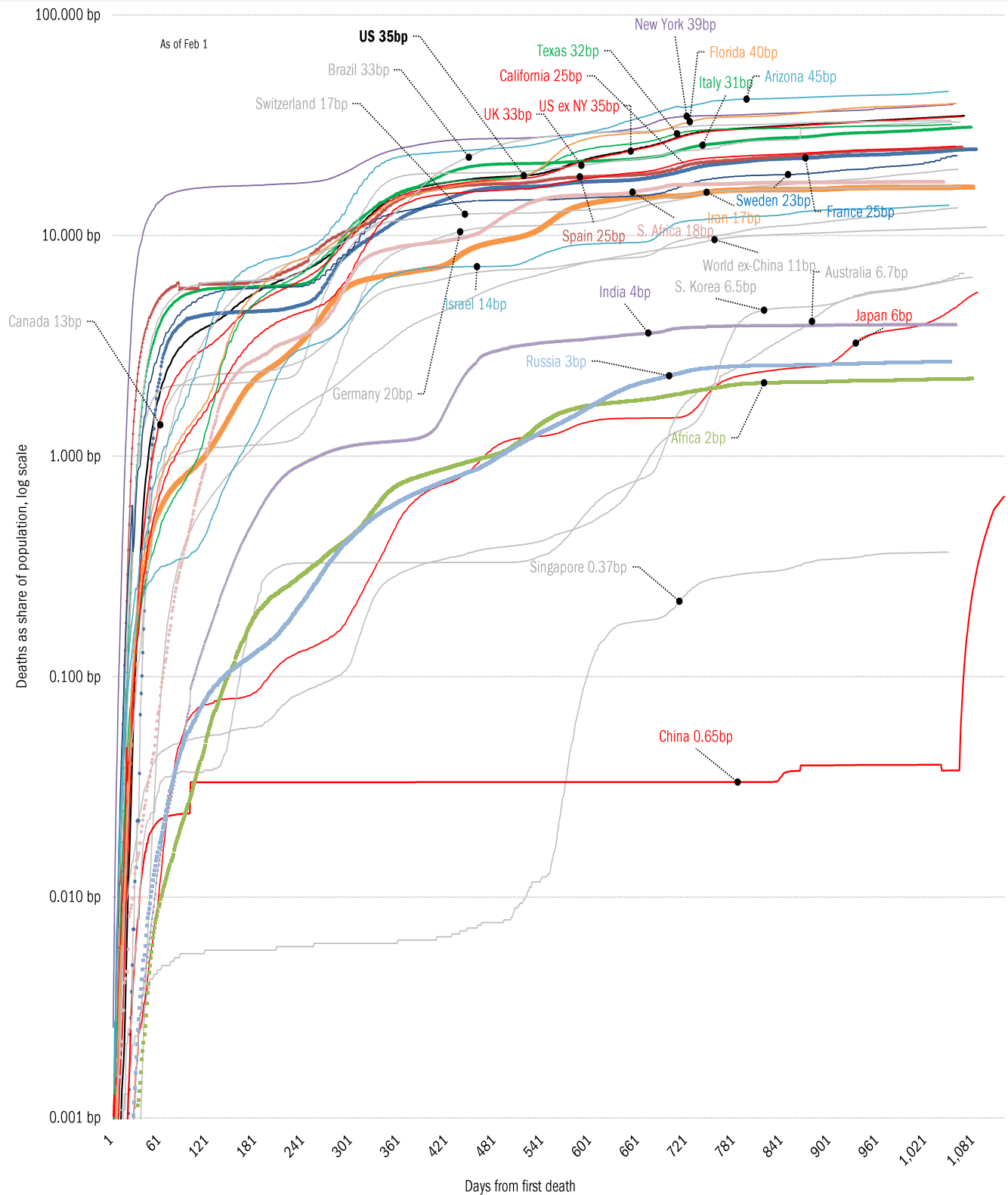
## Share of infected population from first day with 100 confirmed cases, log scale



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*

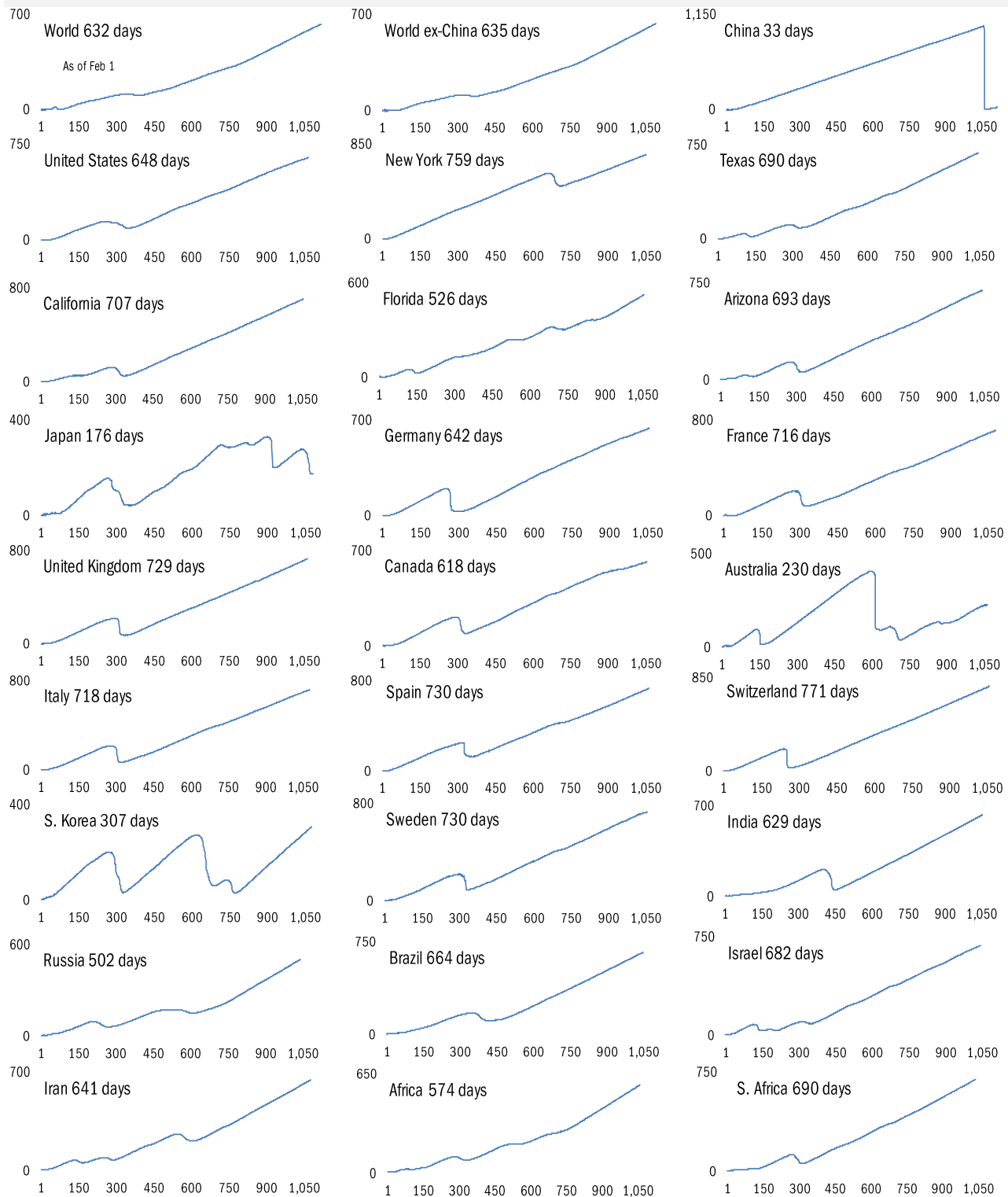


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

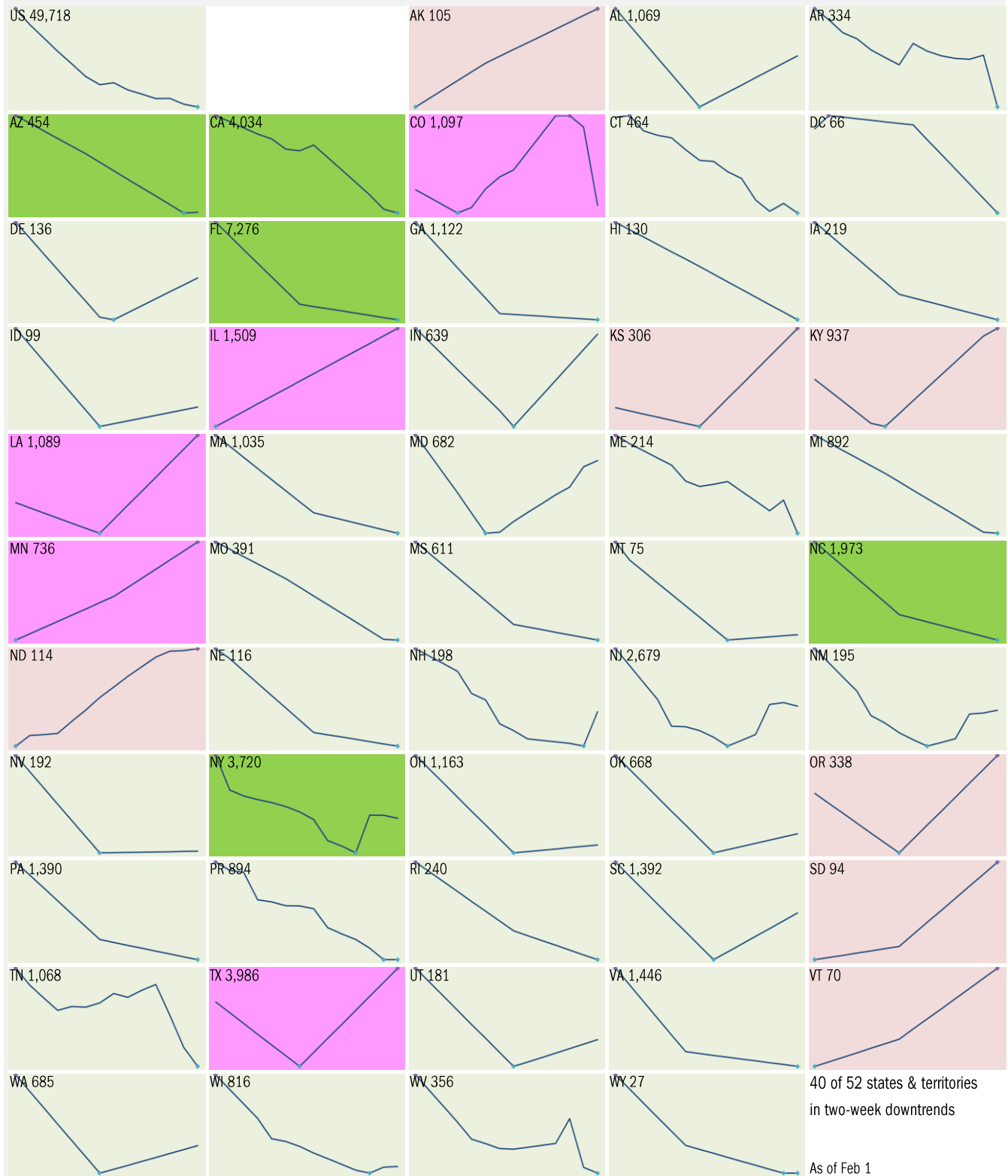


Source: [Johns Hopkins](#), TrendMacro calculations

## 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

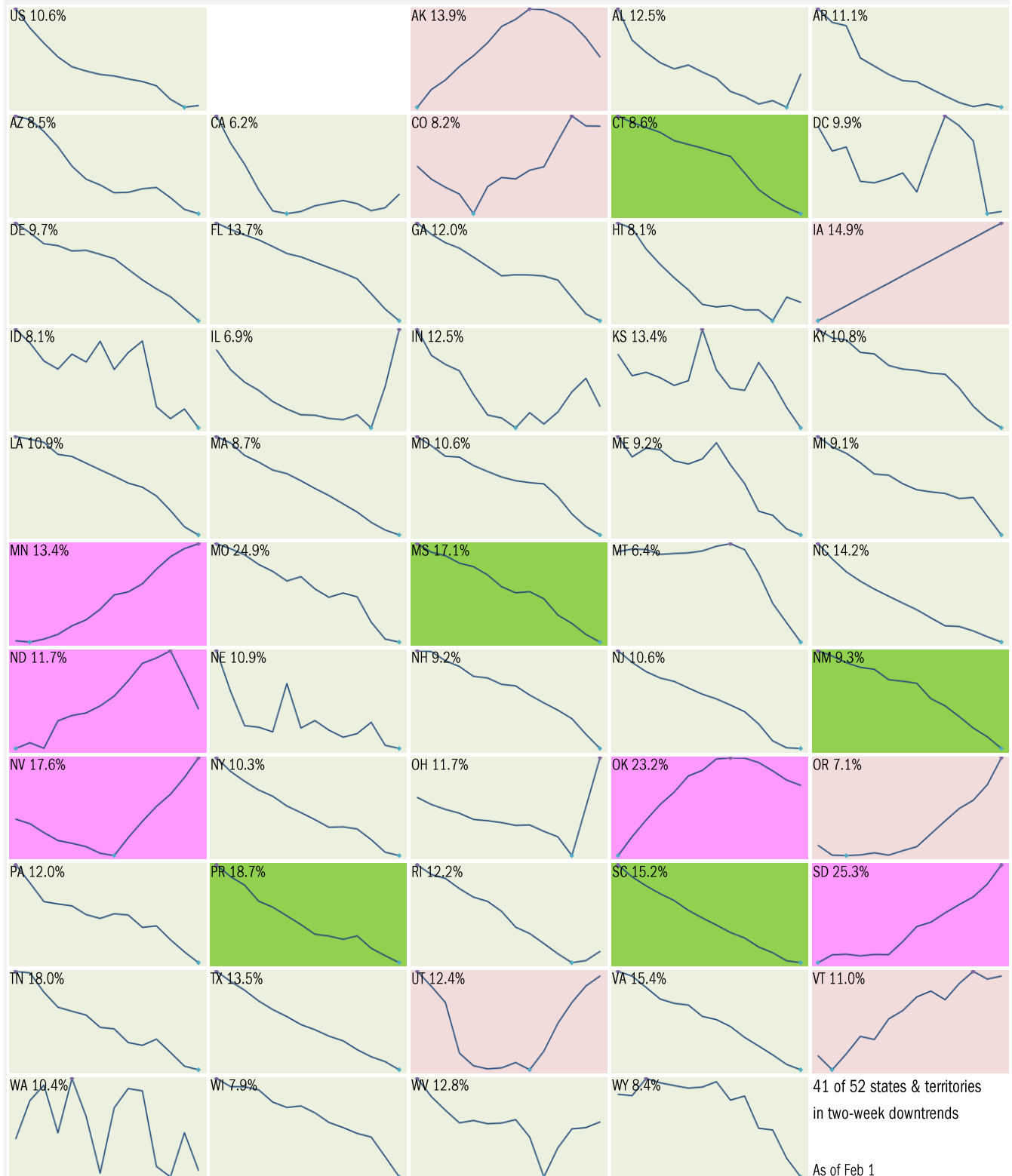


Source: [Johns Hopkins](#), TrendMacro calculations

## 14-day trajectory in test-positivity ratio

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

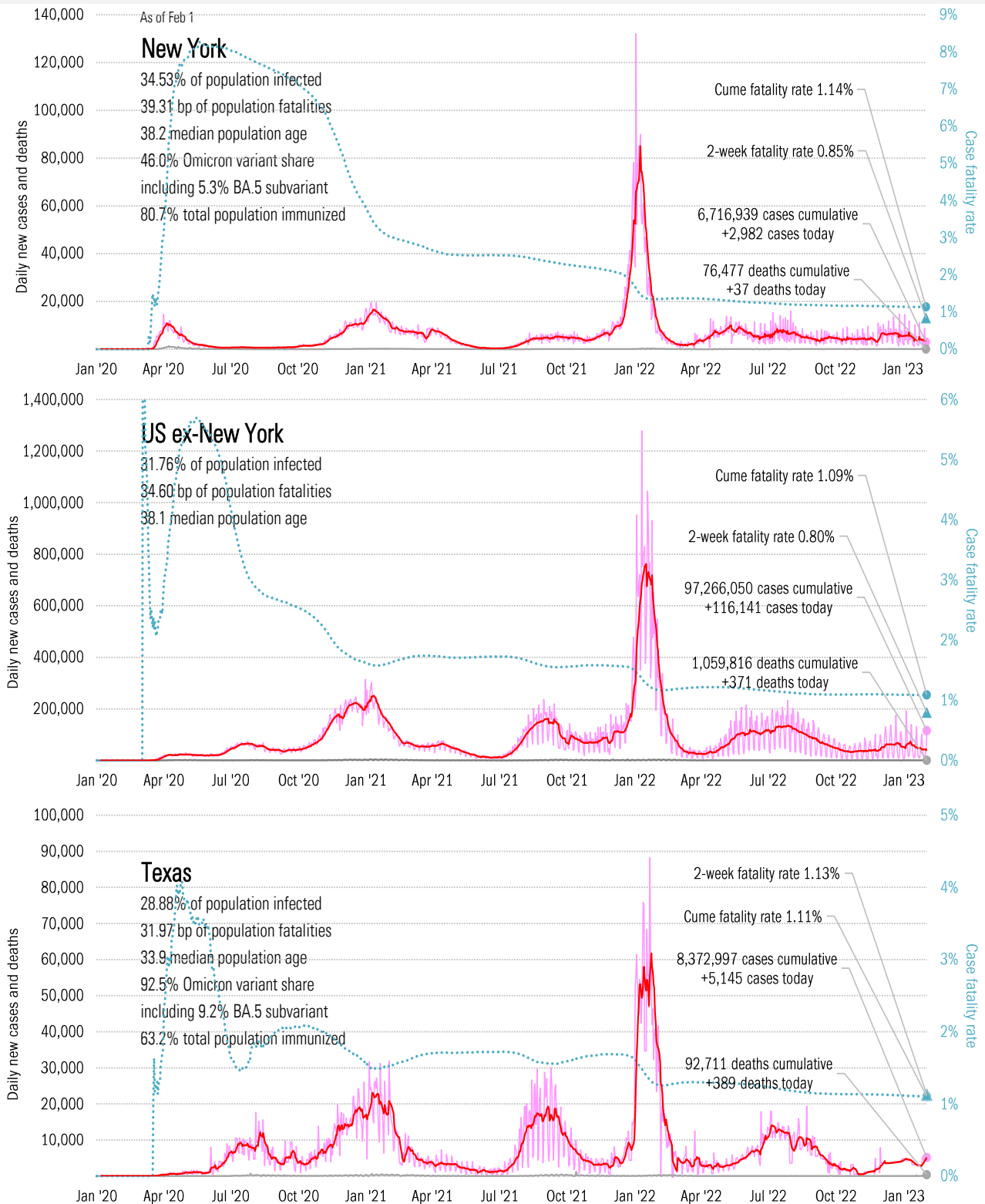
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

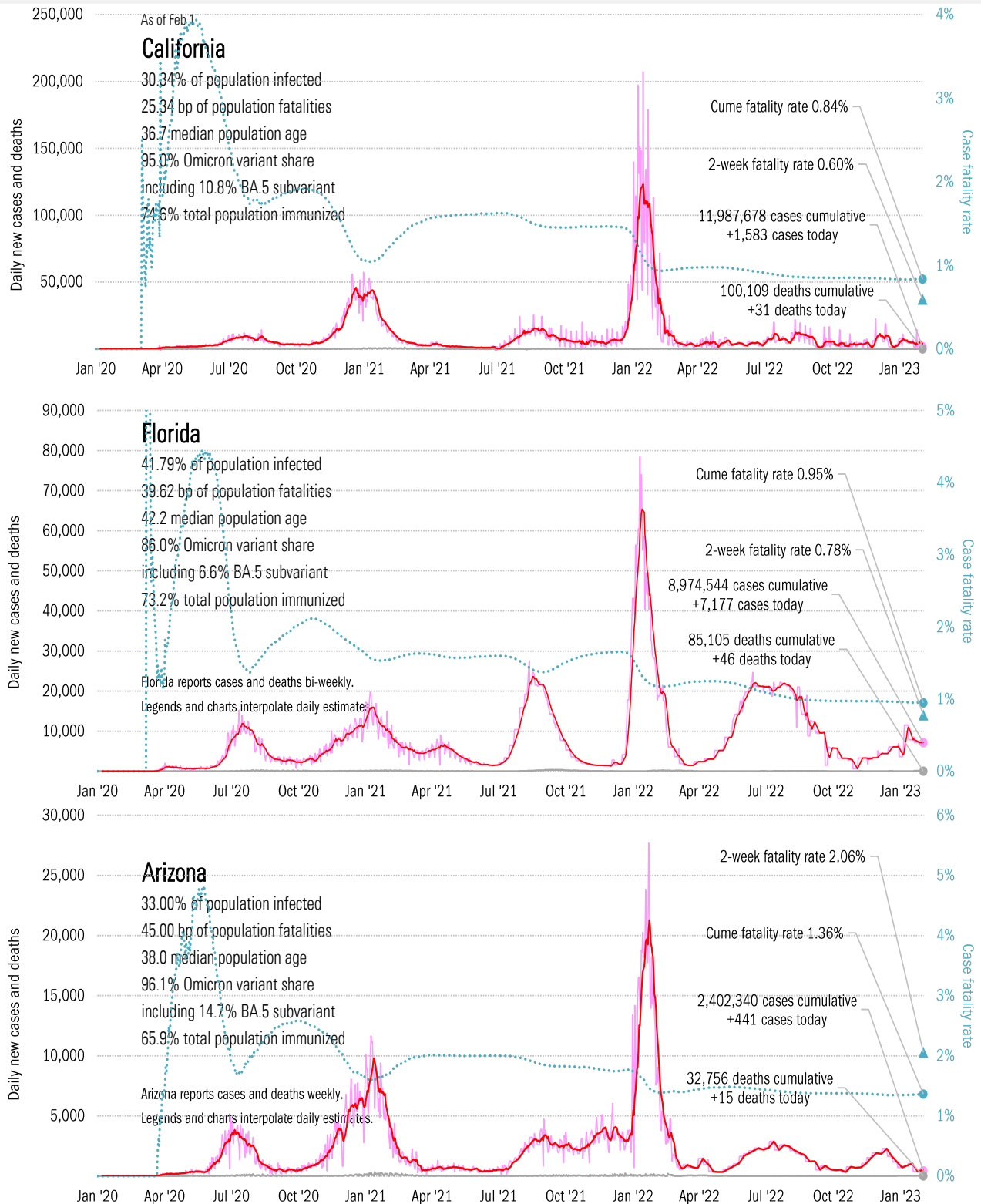
Cases: 7-day average and daily Deaths: Daily



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

## The sun-belt hot-spot states

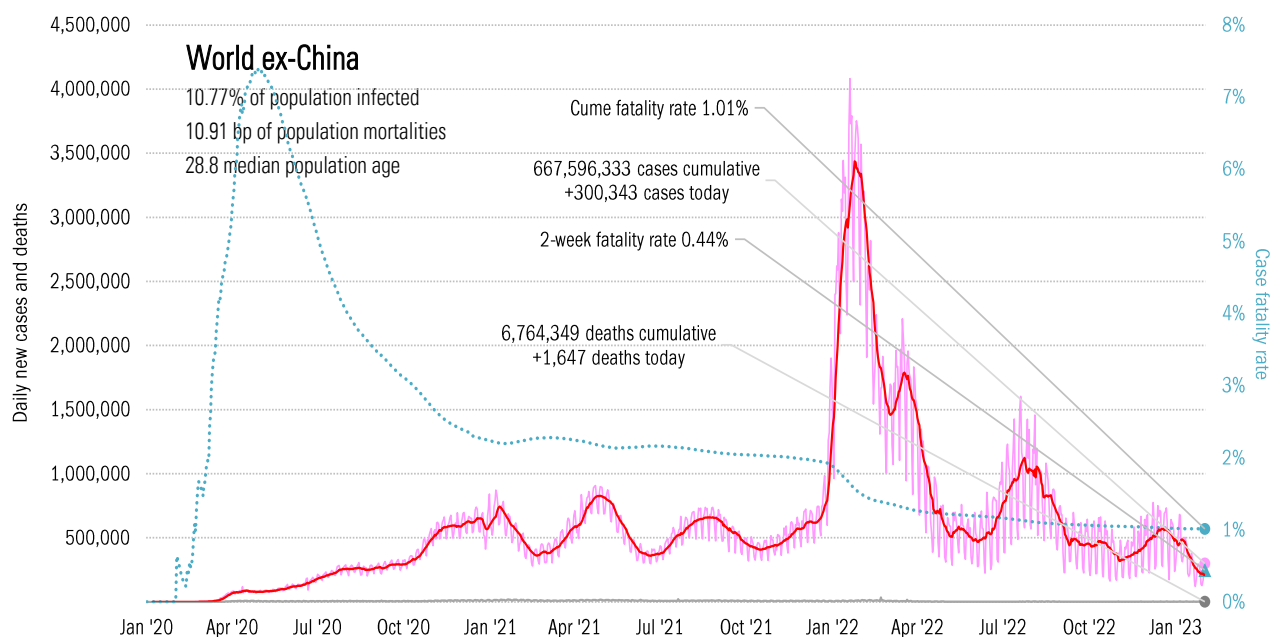
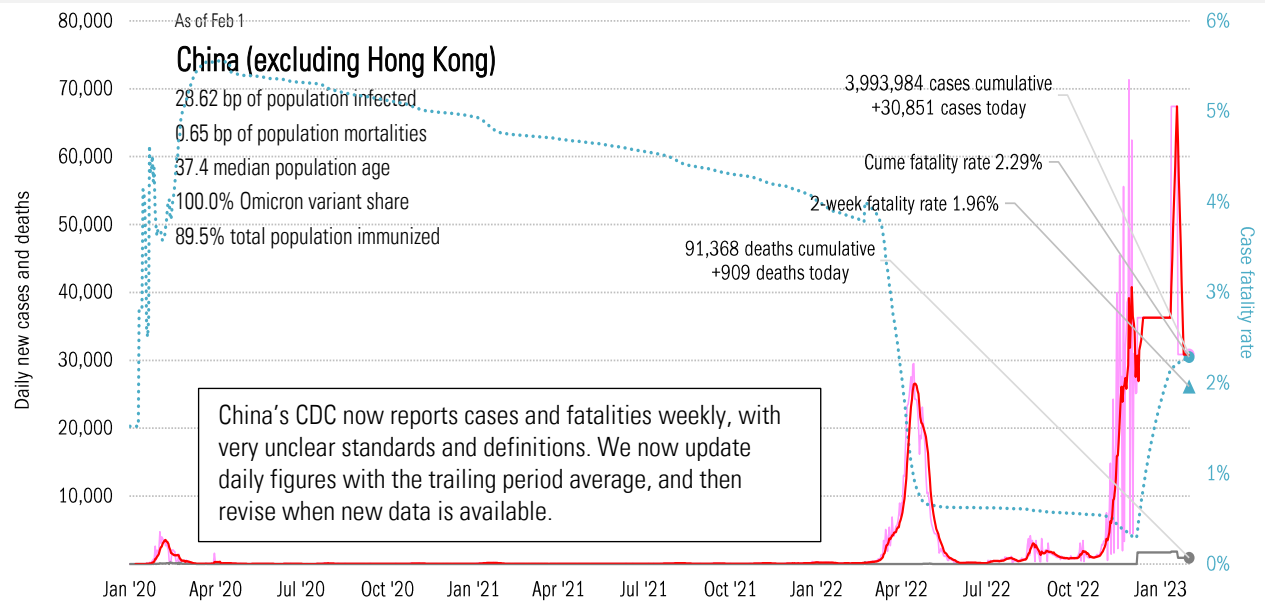
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

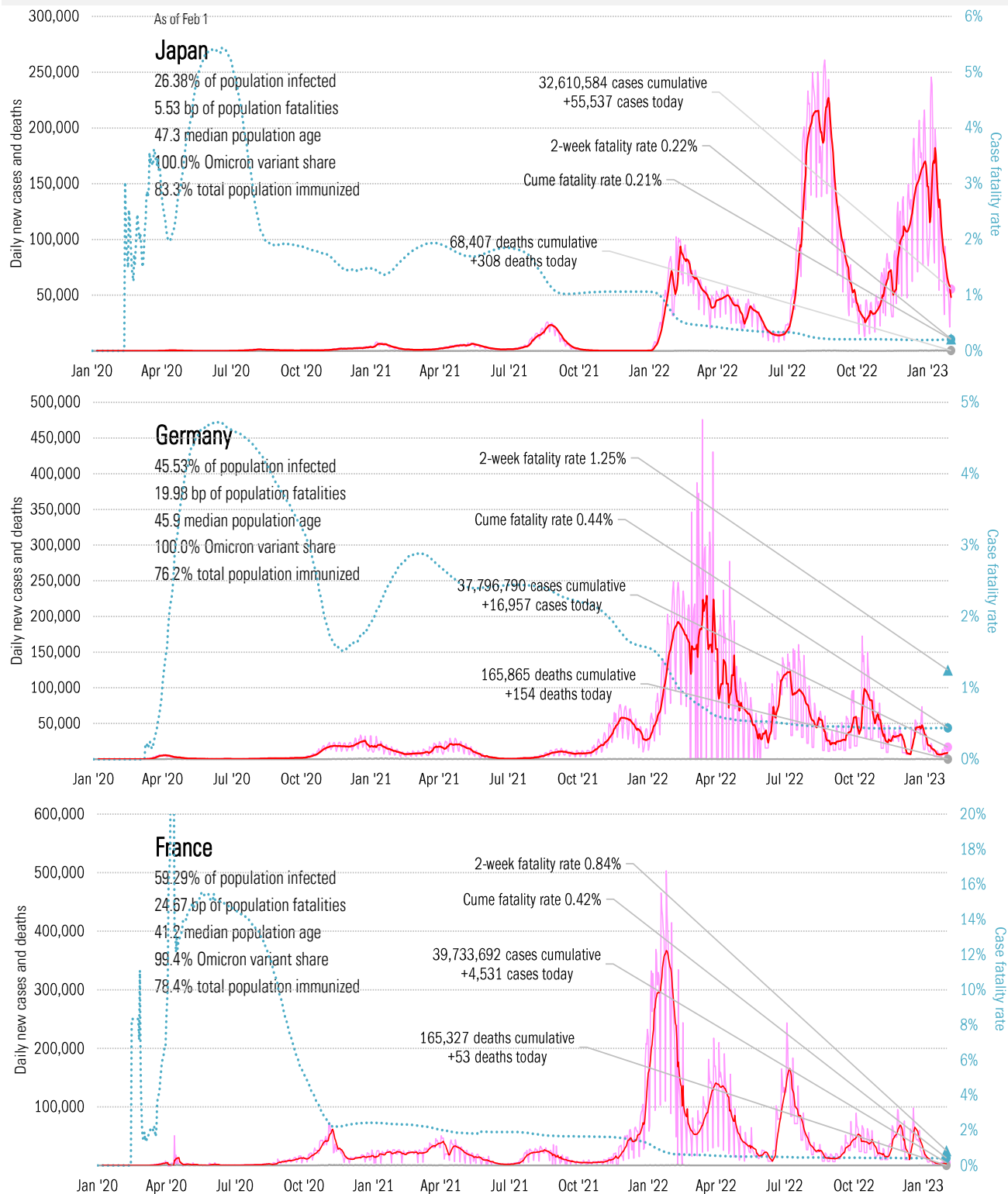
Cases: 7-day average and daily Deaths: Daily



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

## Impact in the largest economies

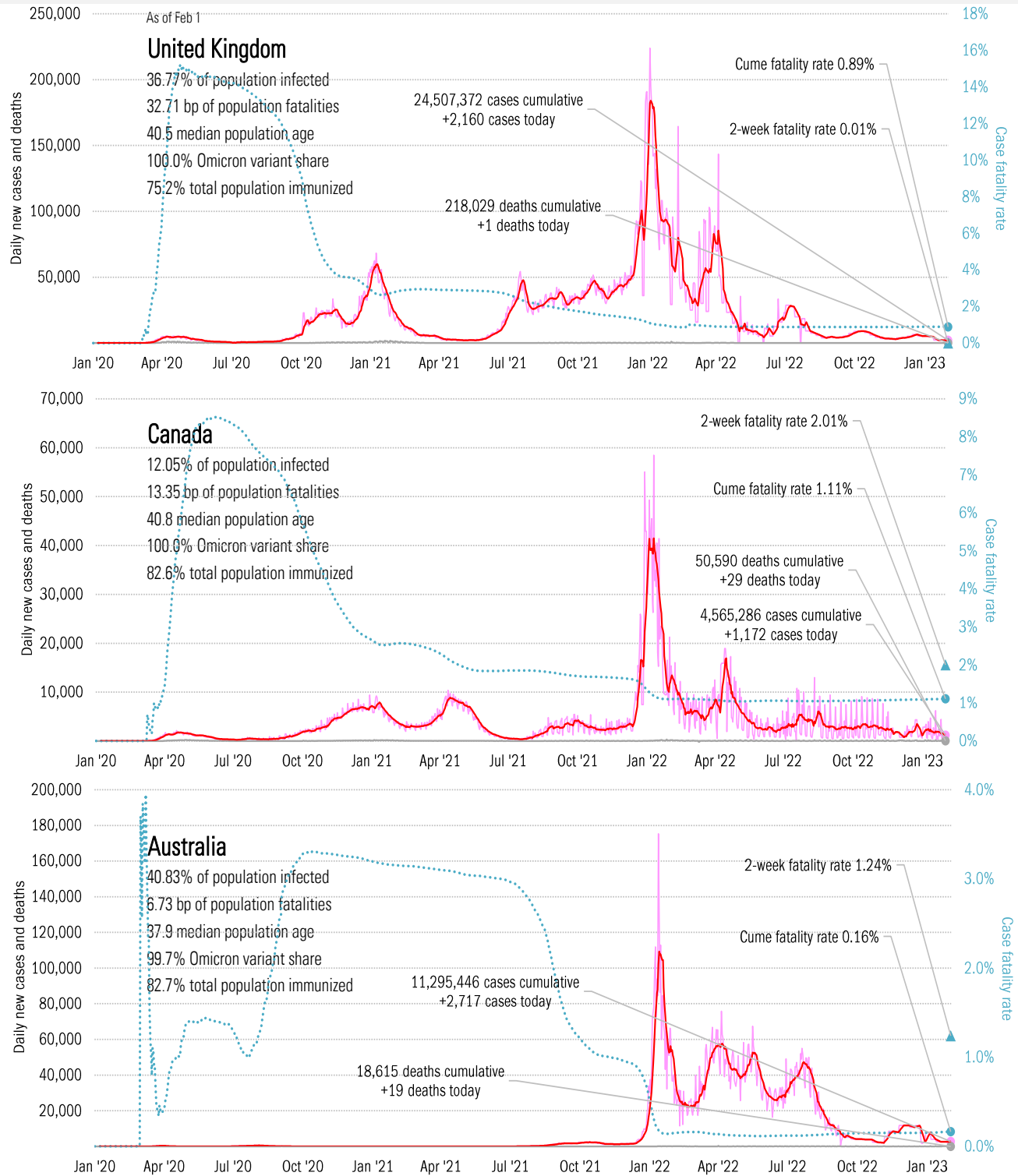
Cases: 7-day average and daily Deaths: Daily



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

## Impact in The Anglosphere

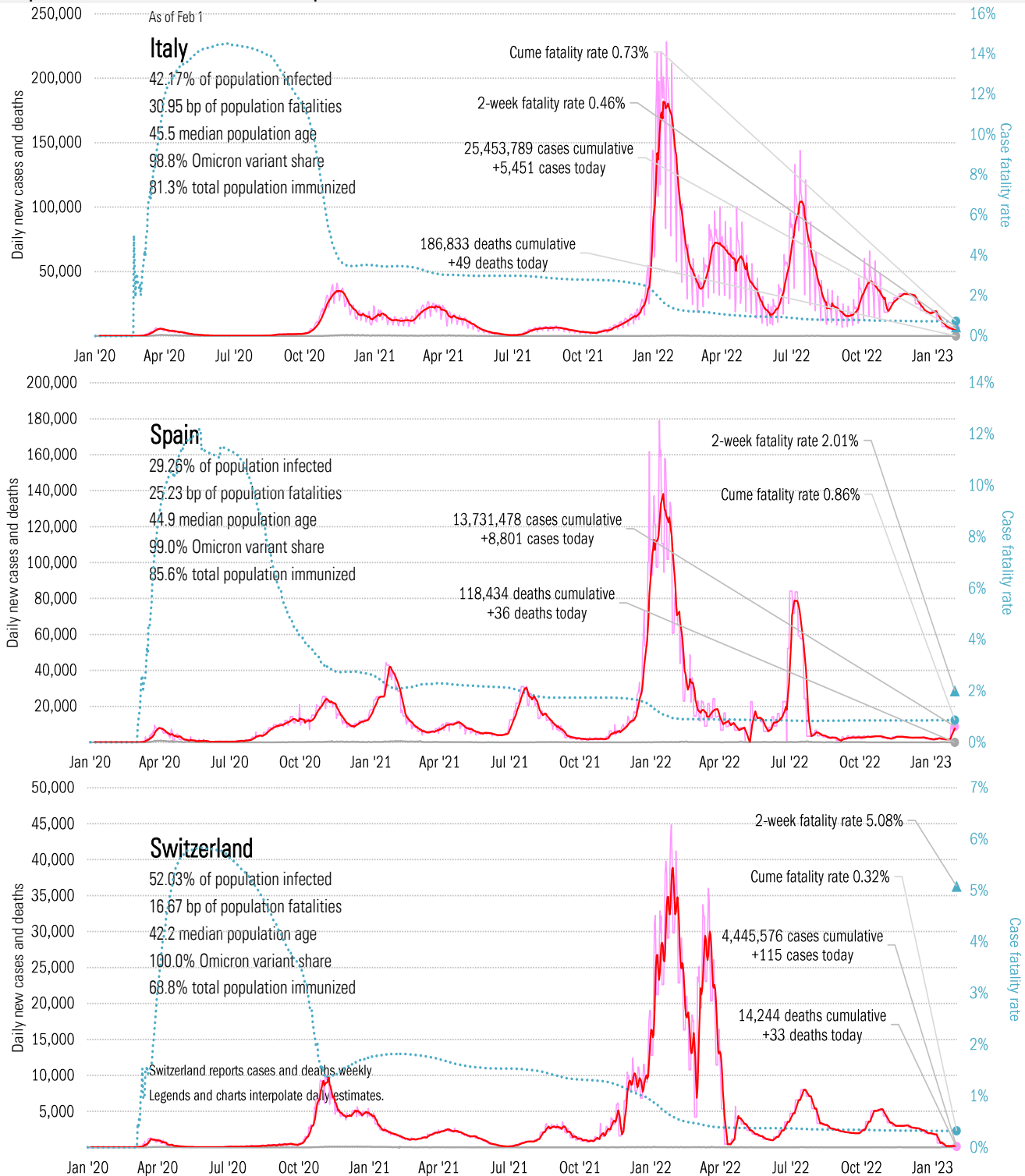
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

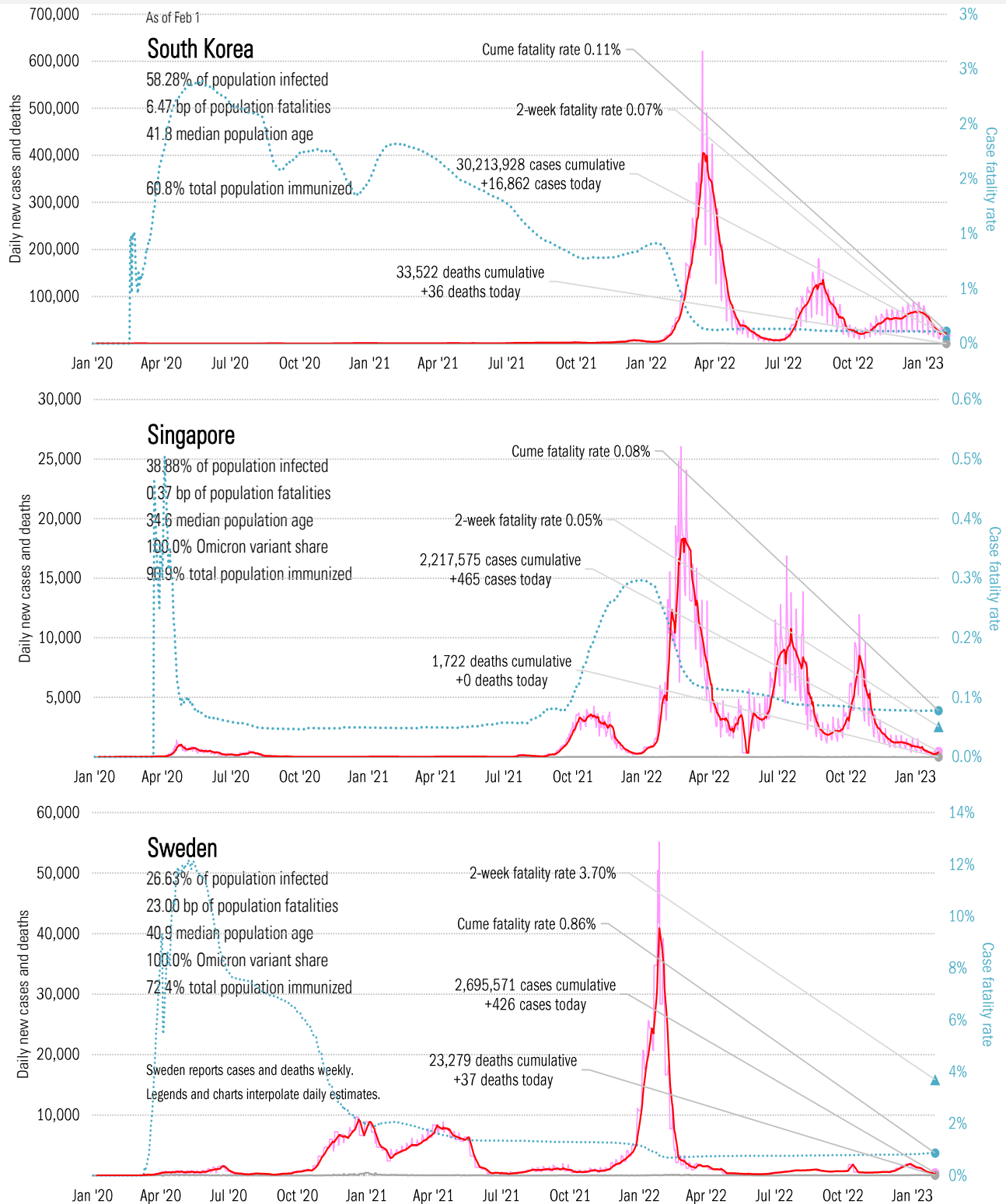
Cases: 7-day average and daily Deaths: Daily



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

## Impact in other hot-spots

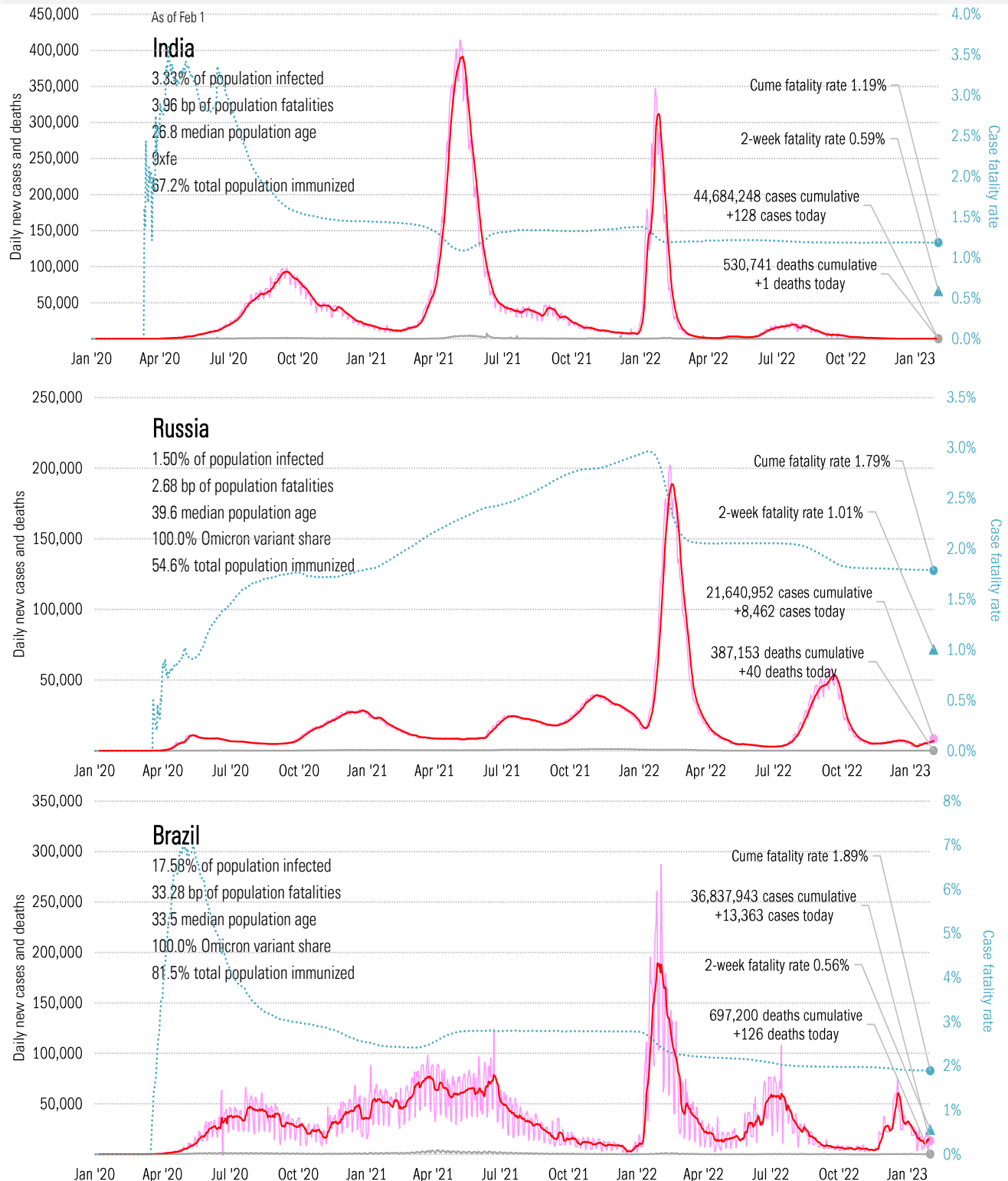
Cases: 7-day average and daily Deaths: Daily



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

## Impact in the BRICs ex-China

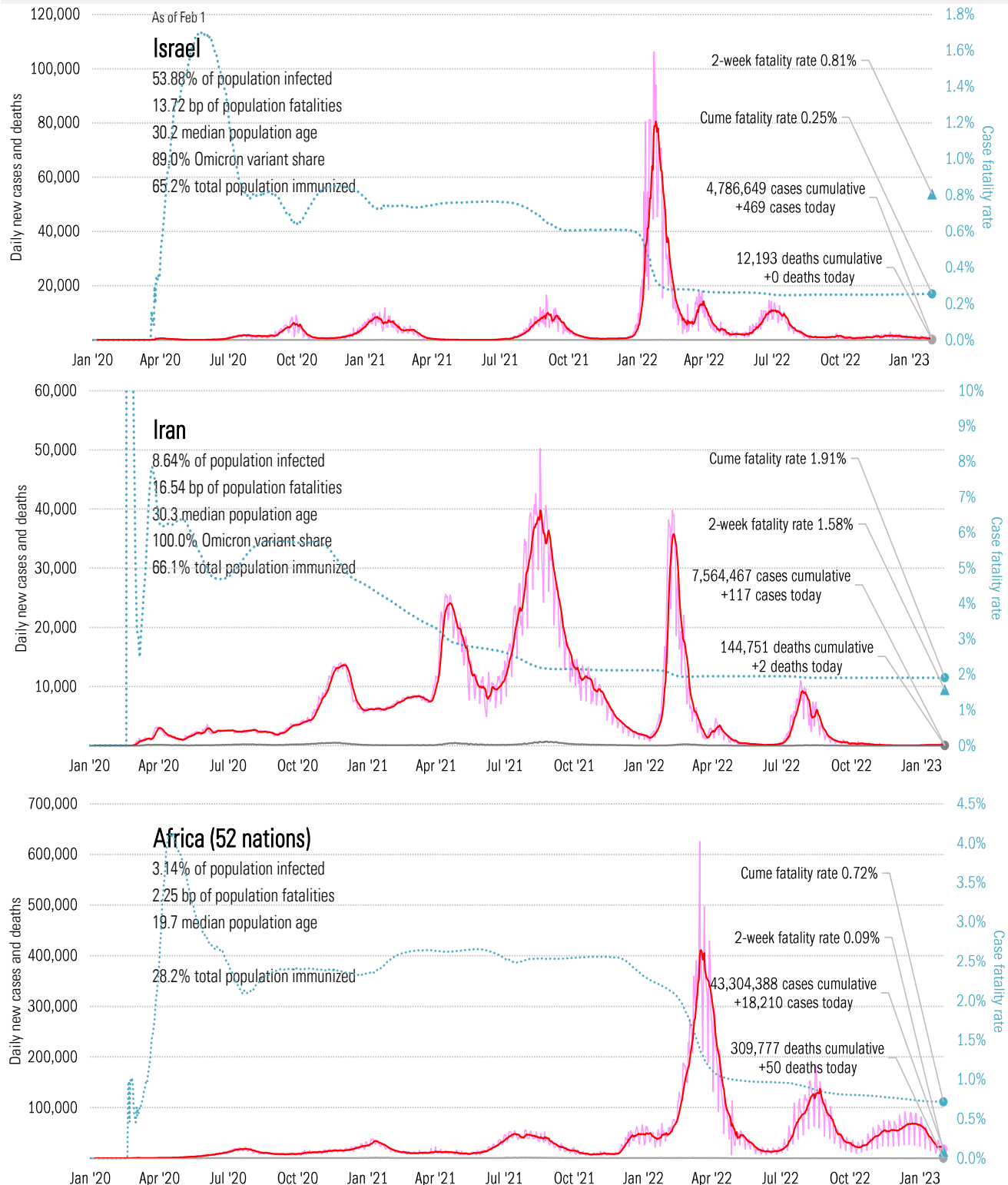
Cases: 7-day average and daily Deaths: Daily



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

## Impact in the Middle East and Africa

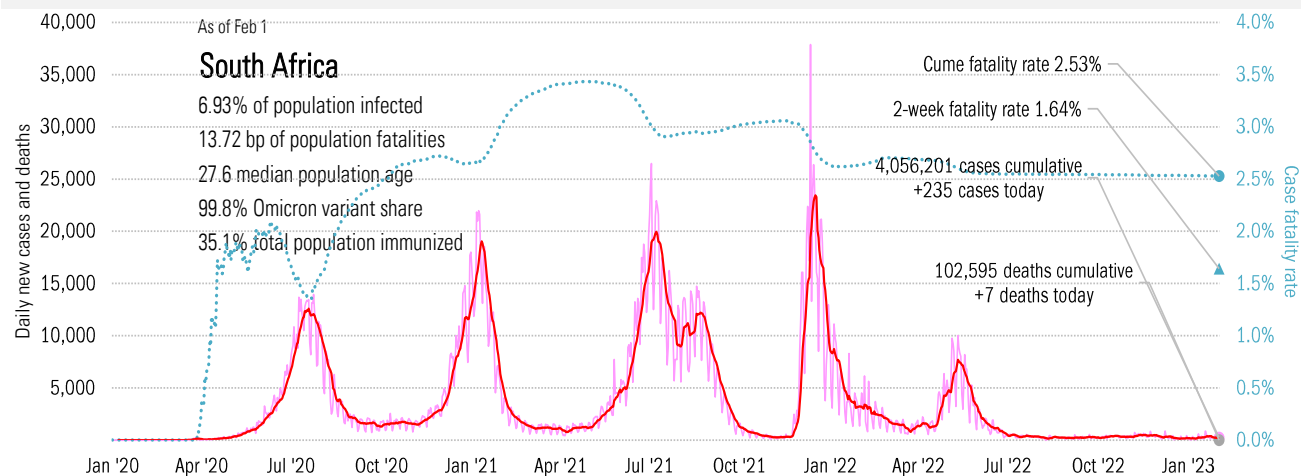
Cases: 7-day average and daily Deaths: Daily



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

## Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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