

Data Insights: Covid-2019 Monitor

Saturday, February 4, 2023

The global scorecard

Cases: 7-day average and daily Deaths: Daily

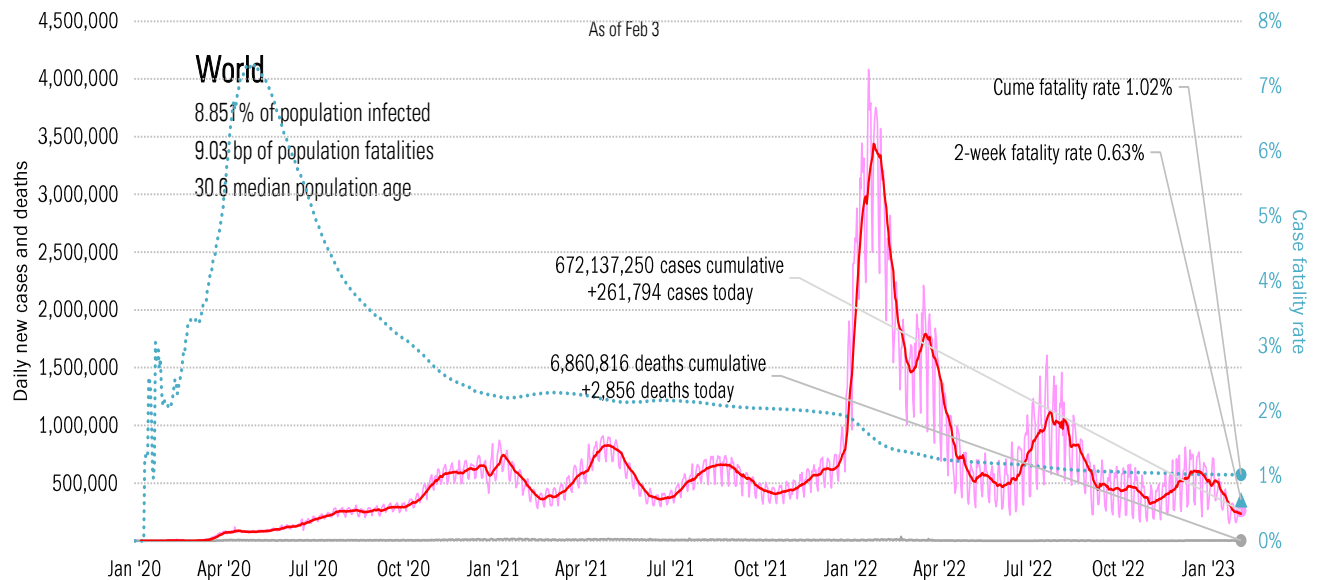
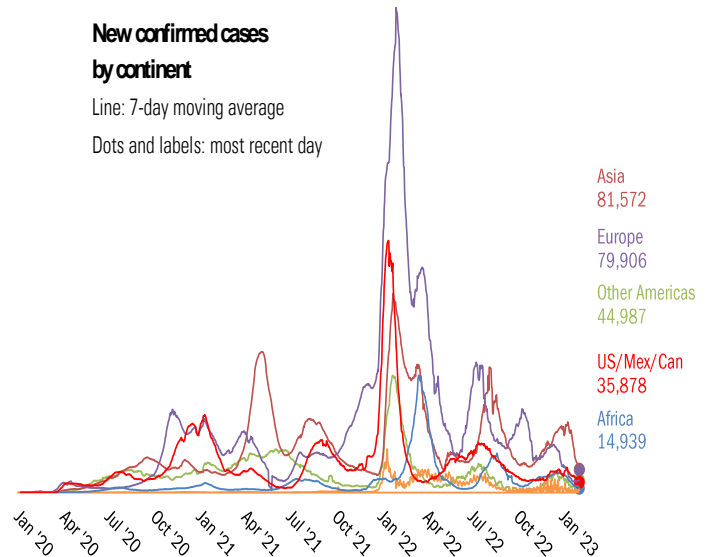
The worst ten countries (see China note page 14)

New cases		New Deaths	
United States	44,290	China	909
Japan	39,924	United States	475
China	30,851	Japan	237
Brazil	28,340	Brazil	153
Taiwan*	25,469	Germany	112
Korea, South	14,504	Taiwan*	105
Germany	12,378	Mexico	69
Russia	9,619	Italy	63
Italy	5,451	Russia	46
Austria	4,171	Spain	40
214,997		2,209	
World	261,794	World	2,856
Top ten	82%	Top ten	77%

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

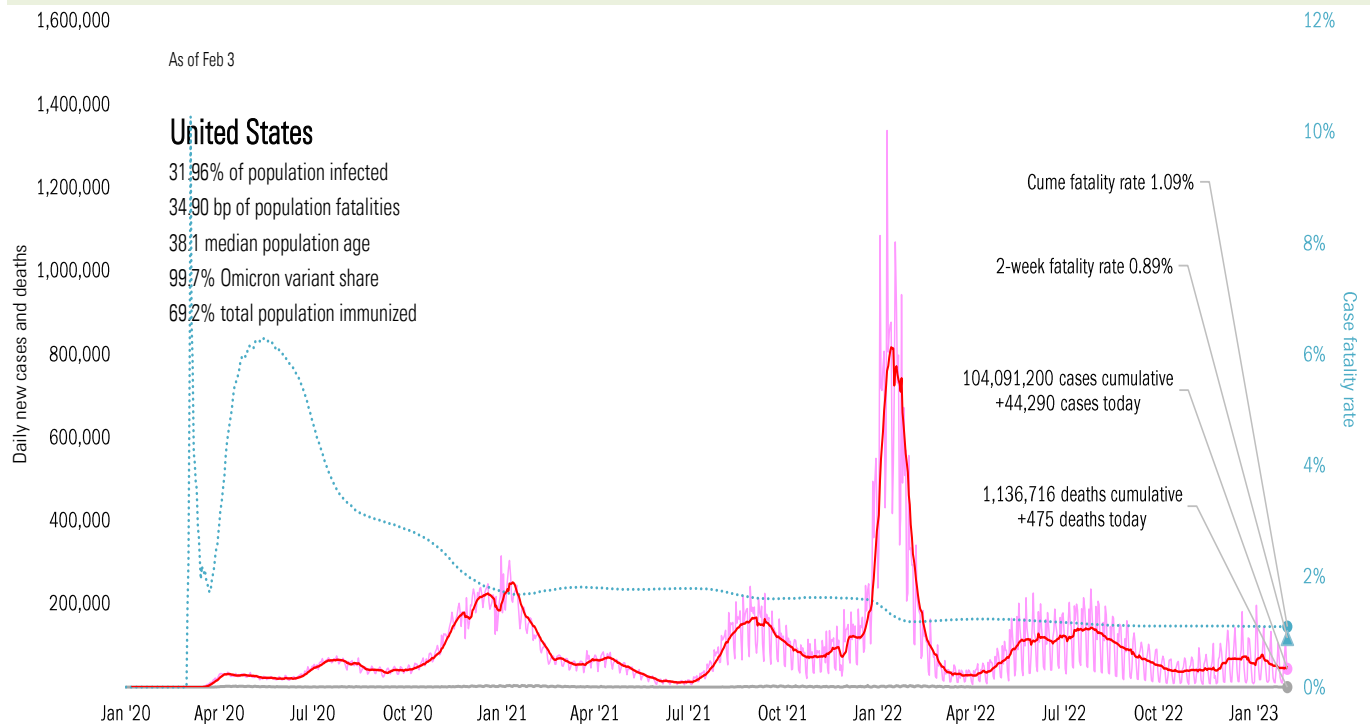
The ten worst US states

New cases			New deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use		
FL	5,700		FL	112		CA	432		CA	12,008,942		CA	100,318		TX	582,748		RI	88%	TX	87%	
OK	4,435		MI	35		IL	178		TX	8,374,364		TX	92,716		CA	558,941		MA	87%	AL	86%	
NY	3,927		NY	32		WA	69		FL	7,483,857		FL	85,710		FL	527,473		DE	86%	RI	85%	
CA	3,326		MA	25		NJ	175		NY	6,725,051		NY	76,546		NY	349,017		MN	84%	NC	84%	
NJ	1,971		PA	23		WI	89		IL	4,029,905		PA	49,791		CH	241,435		MD	84%	MA	83%	
NC	1,892		GA	20		PA	194		PA	3,479,345		GA	42,054		GA	239,747		WA	84%	AK	83%	
LA	1,462		NE	19		MT	16		NC	3,425,789		MI	41,690		PA	227,071		DC	84%	GA	82%	
IL	1,448		SC	19		WV	35		CH	3,356,027		CH	41,464		IL	210,788		MO	83%	MO	81%	
VA	1,393		CA	17		HI	13		GA	3,035,874		IL	41,180		MI	178,847		AK	83%	WV	80%	
PA	1,349		AZ	15		NH	16		MI	3,030,505		NJ	35,821		NJ	160,395		NC	82%	FL	80%	
26,904			317			1,217			54,949,659			607,290			3,276,462							
All states			44,290			475			104,091,200			1,136,716			5,938,555			All states		70%		67%
Top ten			61%			67%			54%			55%			55%			Median		78%		76%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-2,675	WV	-13	NC	-38
FL	-490	CA	-10	NY	-36
NH	-323	WI	-6	MO	-30
NY	-258	CT	-5	MA	-21
WI	-79	NY	-5	TX	-13

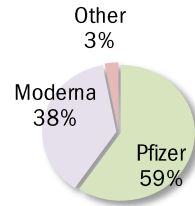


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

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

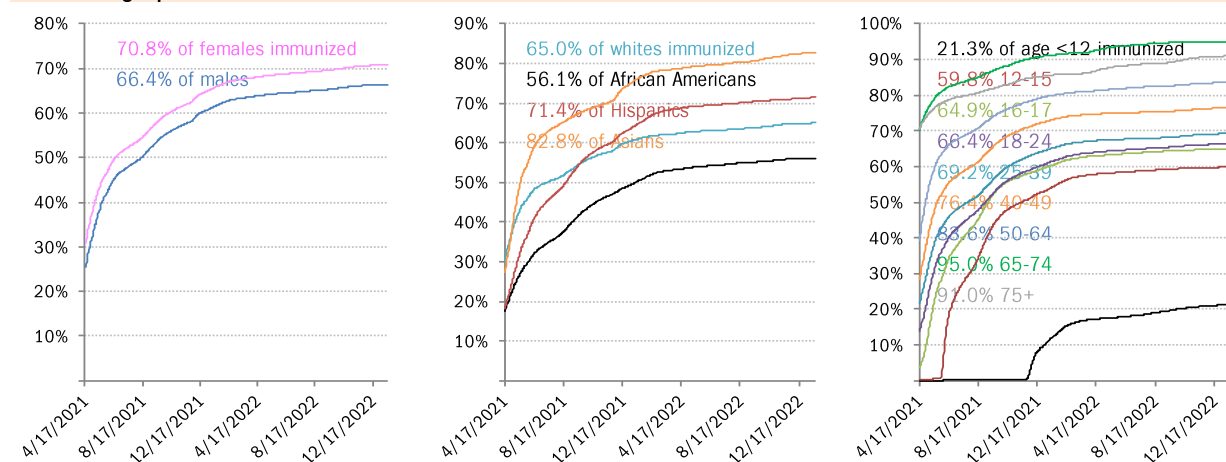
Best
Middle
Worst

As of Jan 27

AK	"Immunity" = two doses					WI	As of Jan 27					ME
72.9%						75.0%						95.0%
65.1%						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%		

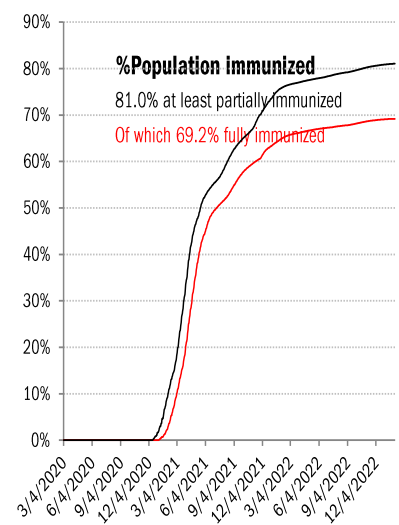
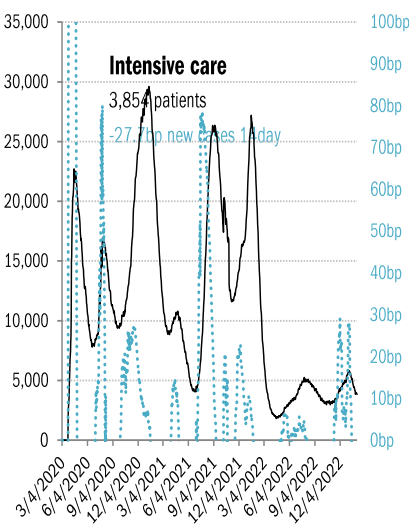
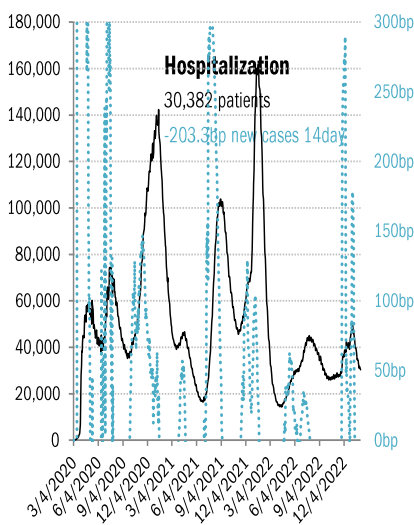
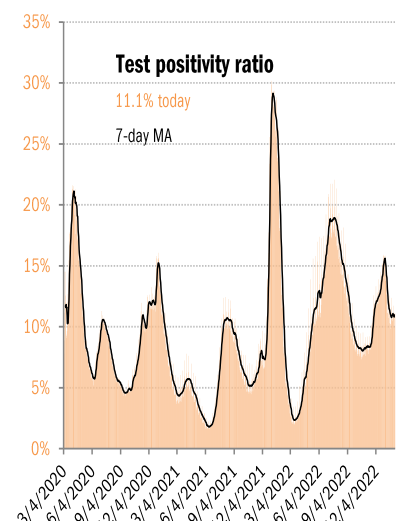
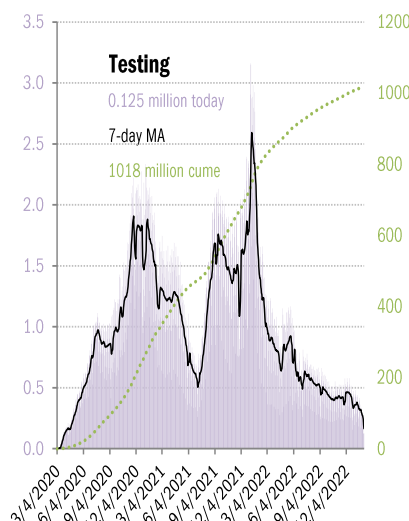
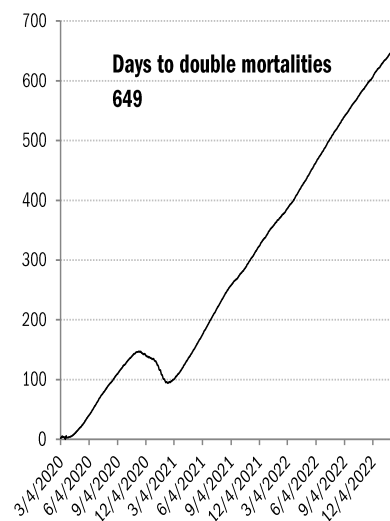
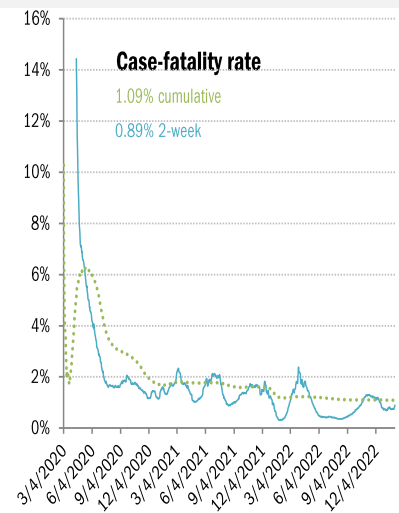
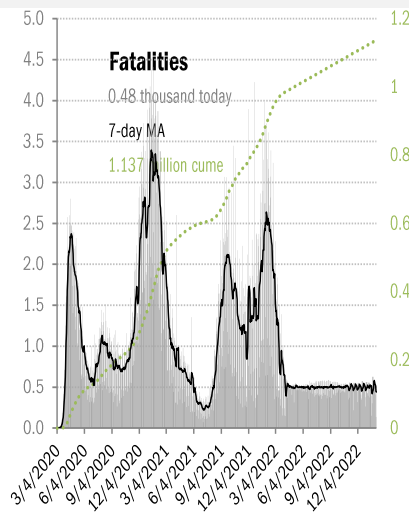
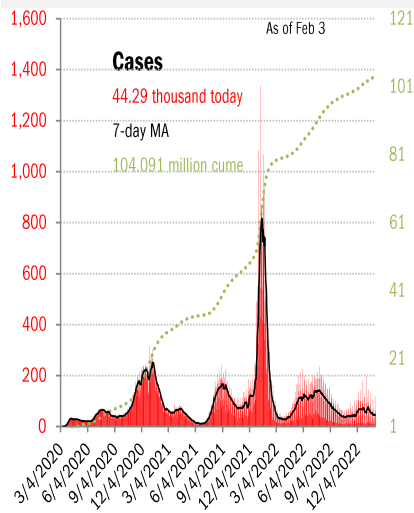
HI
91.3%
81.4%

The demographics of US vaccination

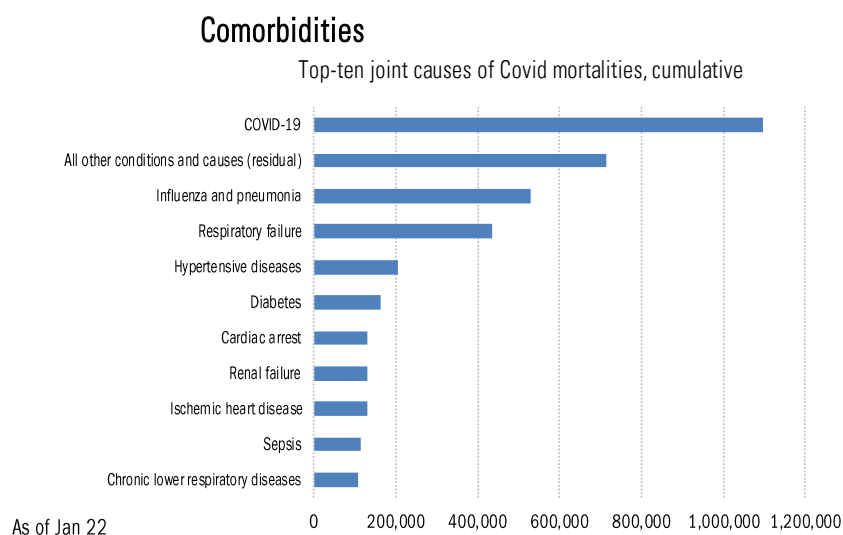
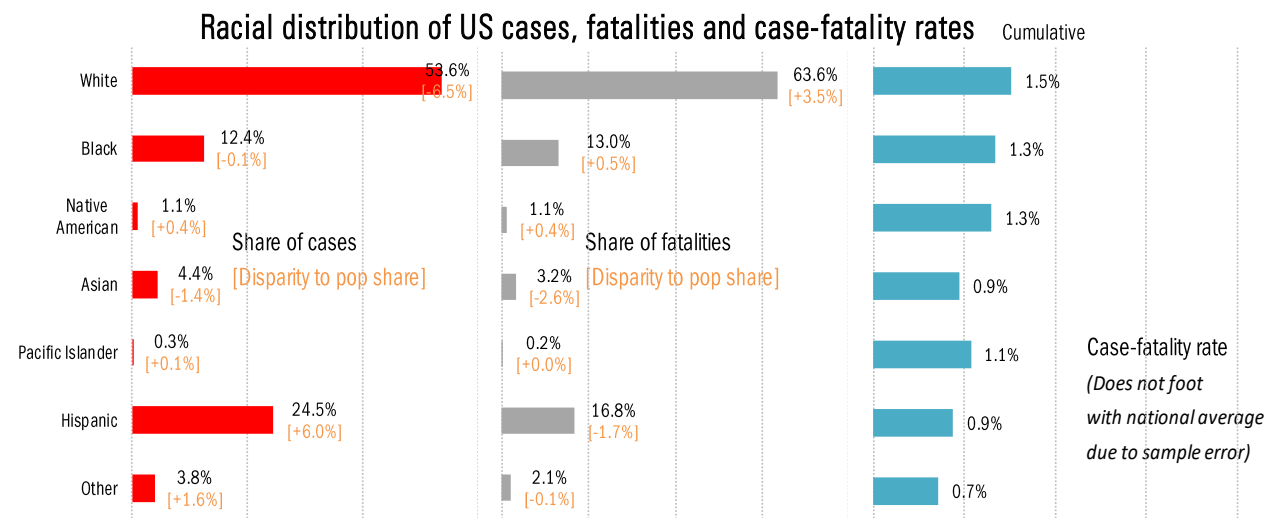
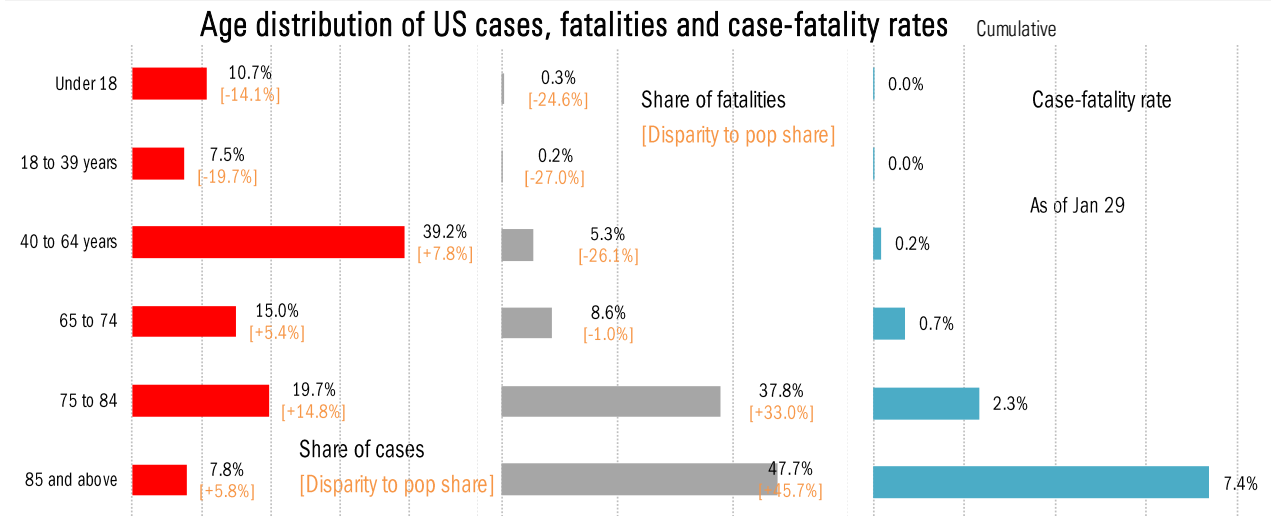


Source: CDC, CDC, Our World in Data, TrendMacro calculations

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

[This winter's U.S. COVID surge is fading fast, likely thanks to a 'wall' of immunity](#)

Rob Stein

NPR

February 3, 2023

[An Even Deadlier Pandemic Could Soon Be Here](#)

Zeynep Tufekci

New York Times

February 3, 2023

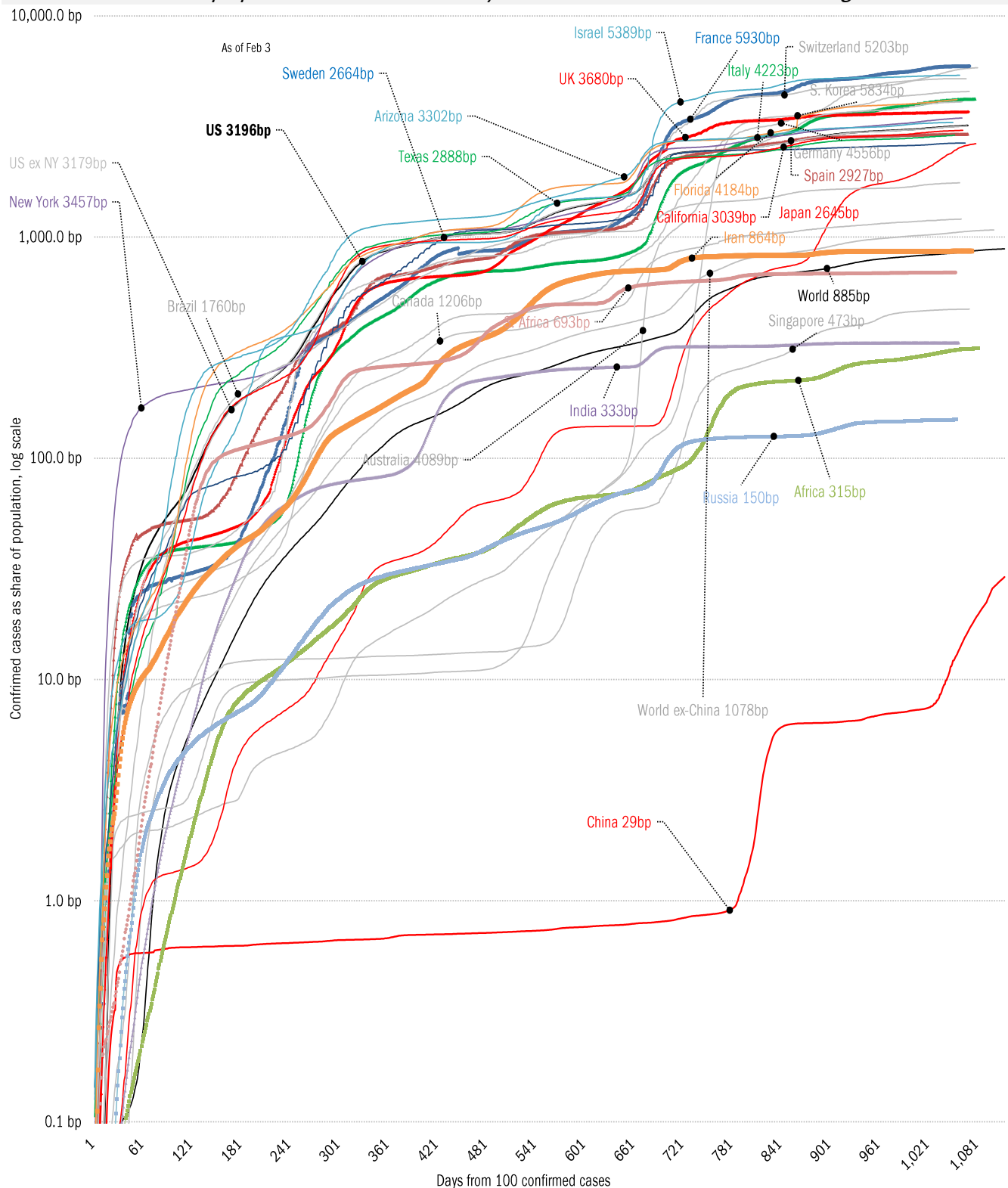
Meme of the Day



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

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

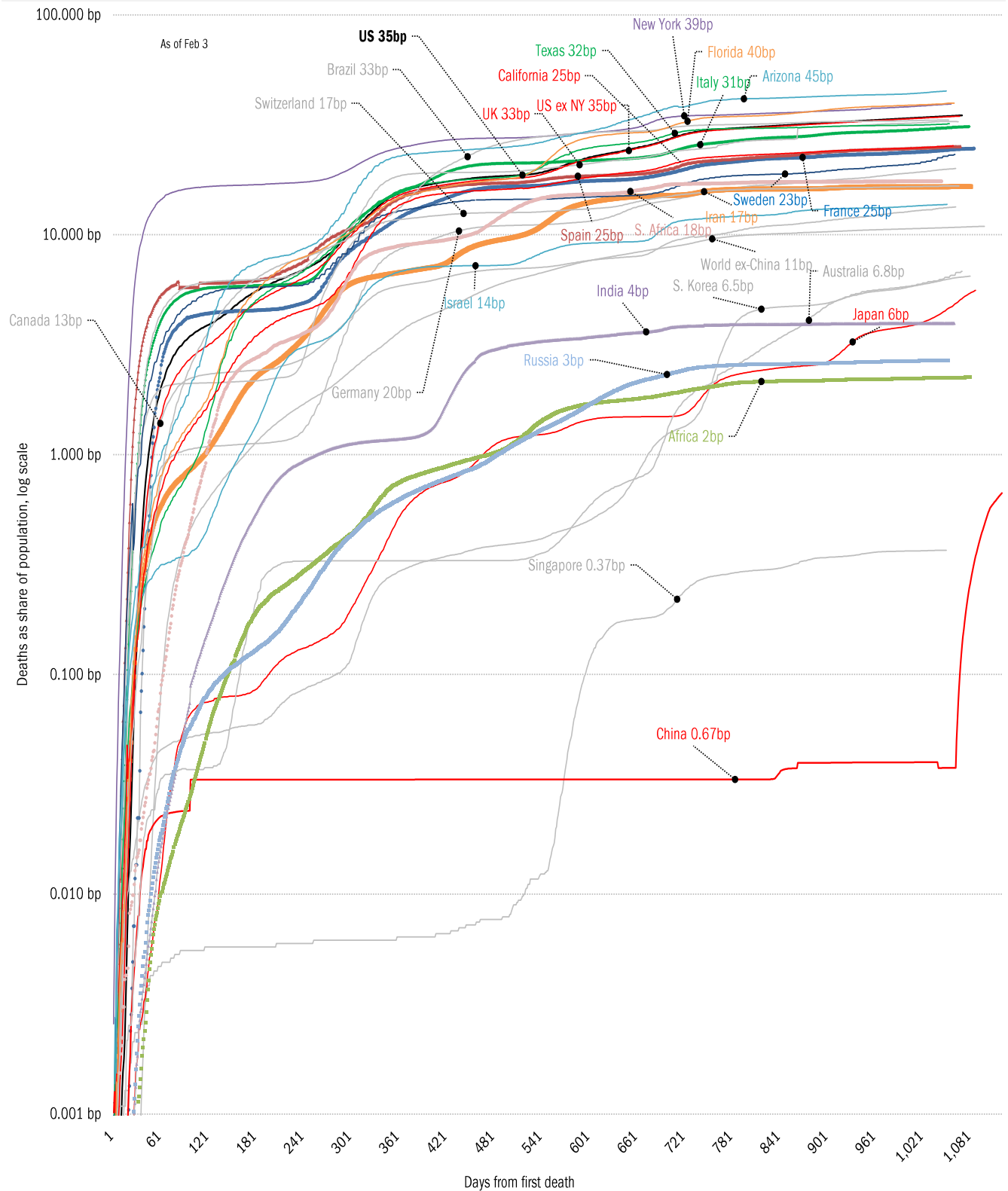
Share of infected population from first day with 100 confirmed cases, log scale



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

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

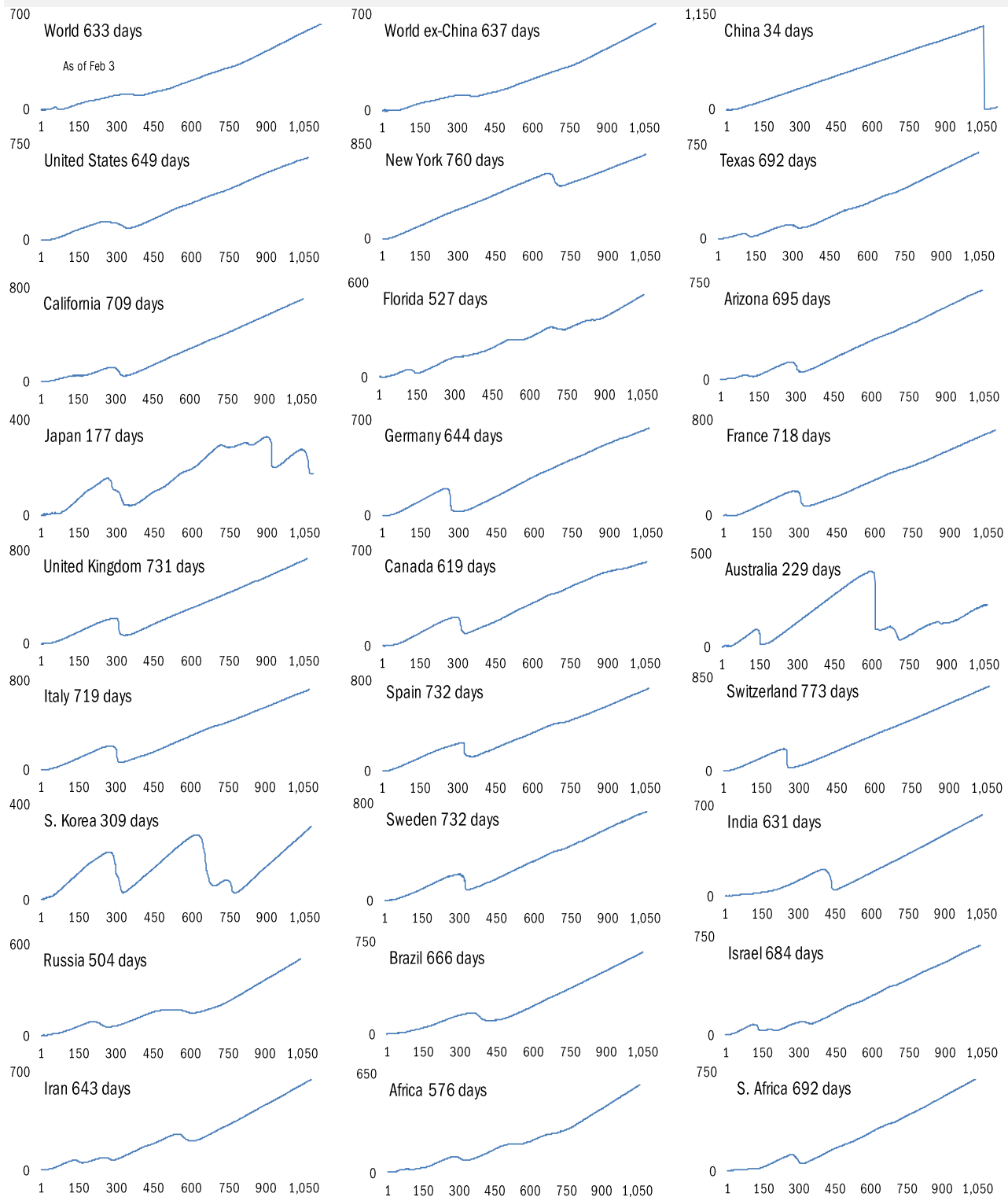
Share of population deceased from day of first fatality, log scale



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

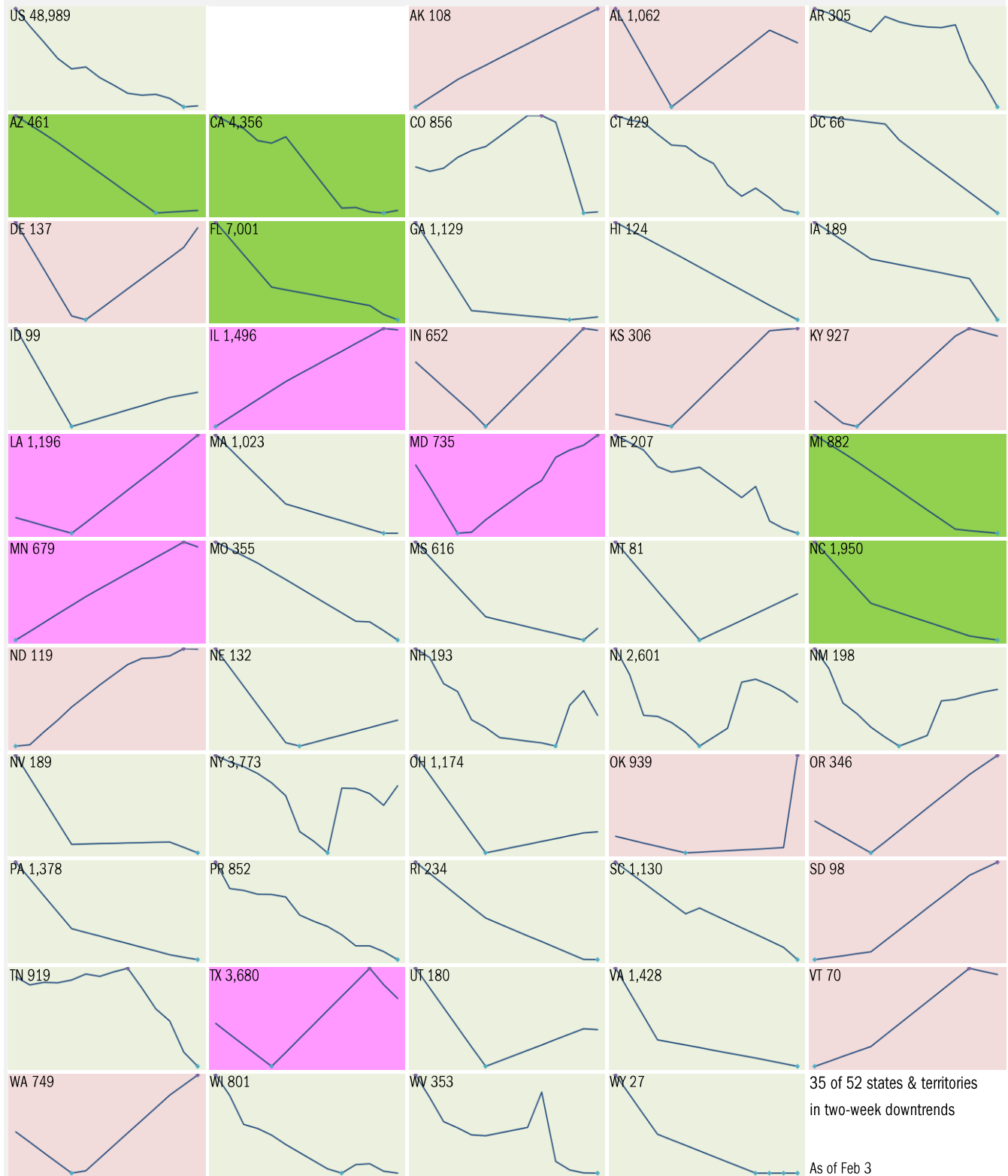


Source: [Johns Hopkins](#), TrendMacro calculations

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

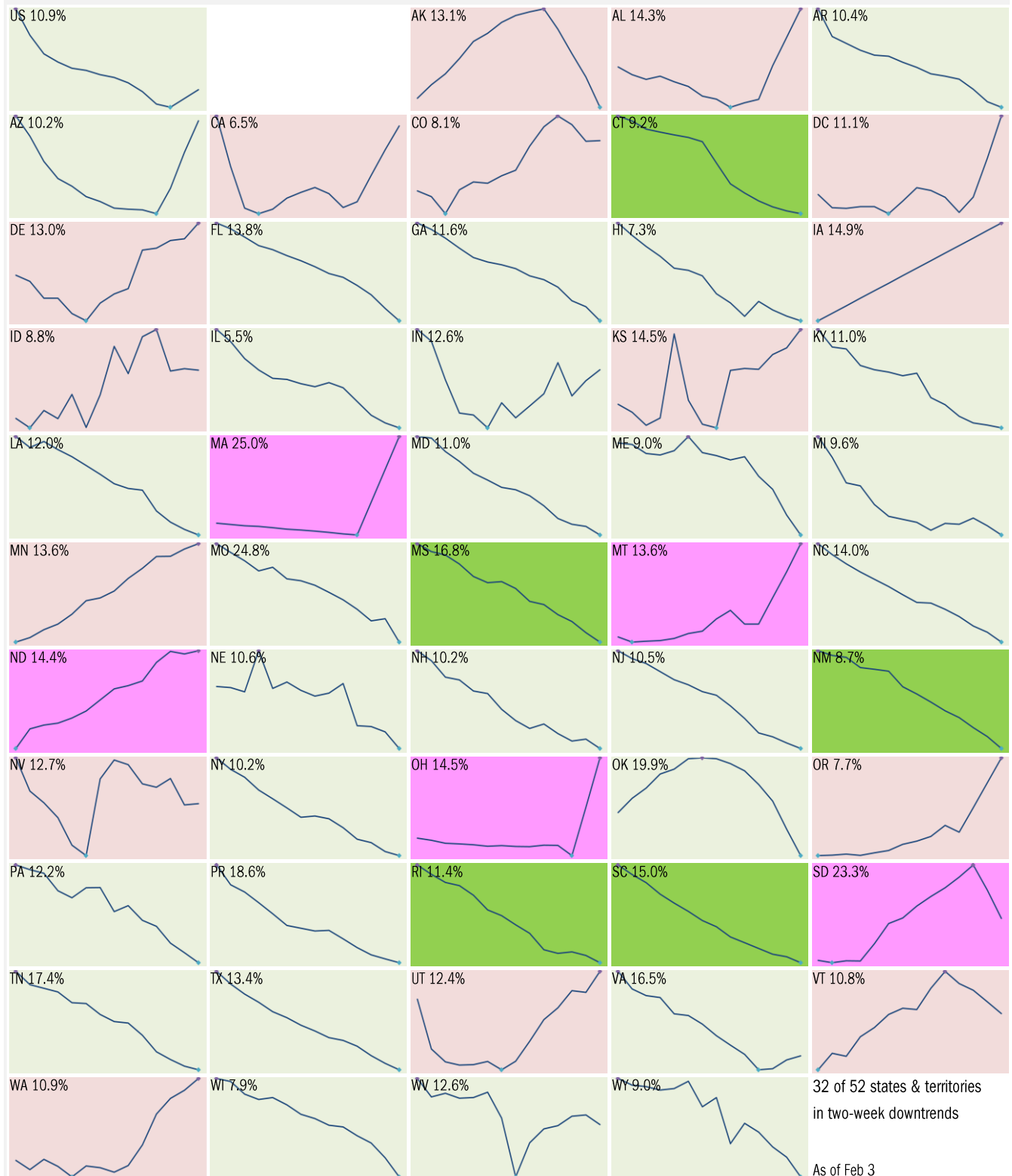


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

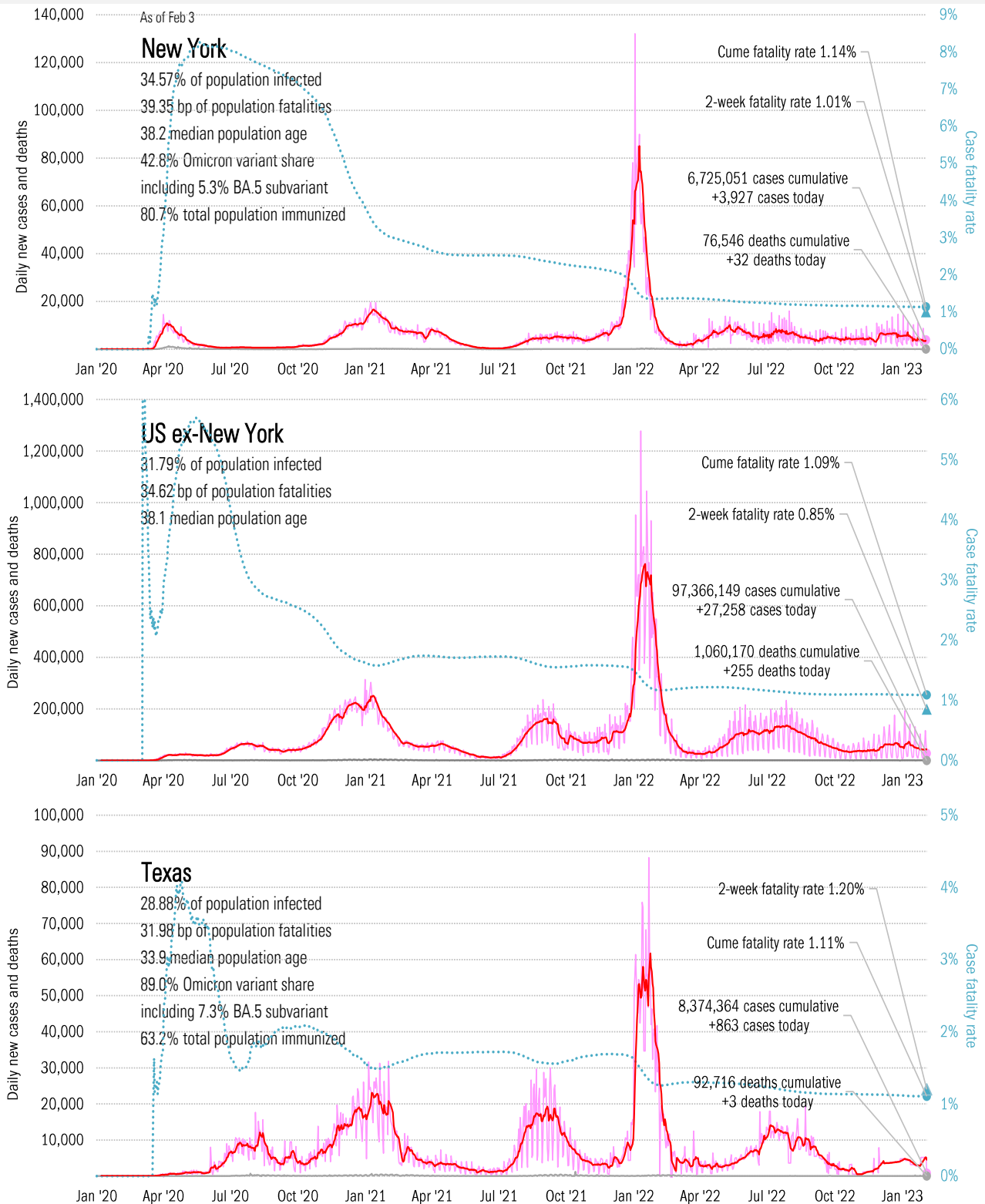
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

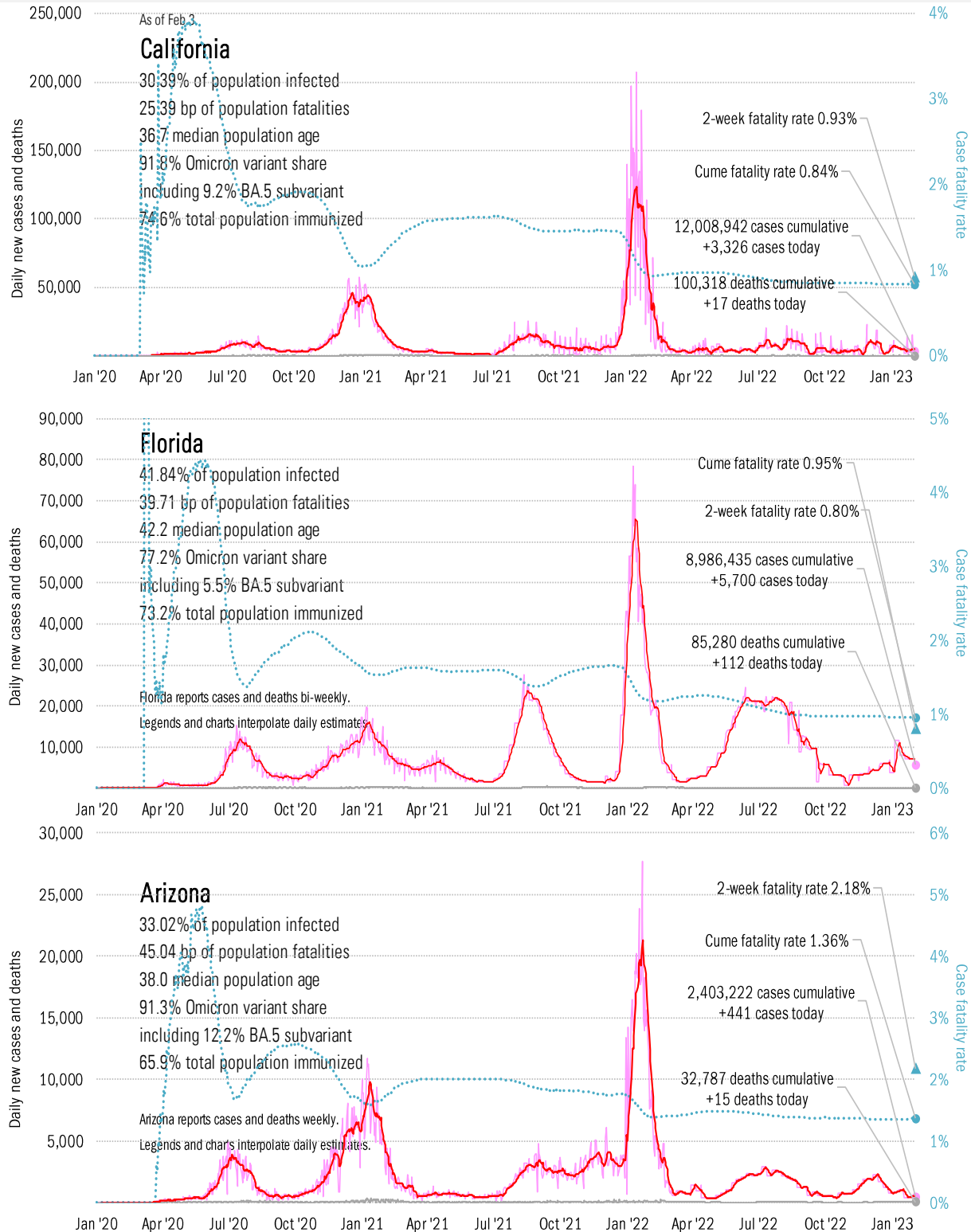
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

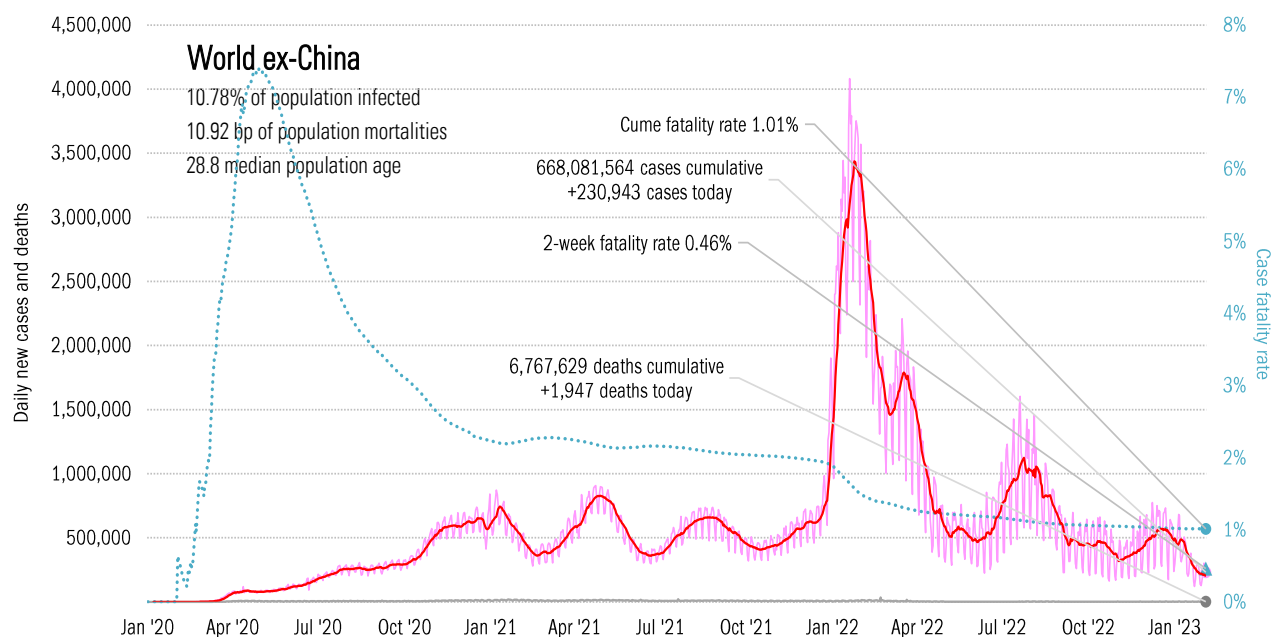
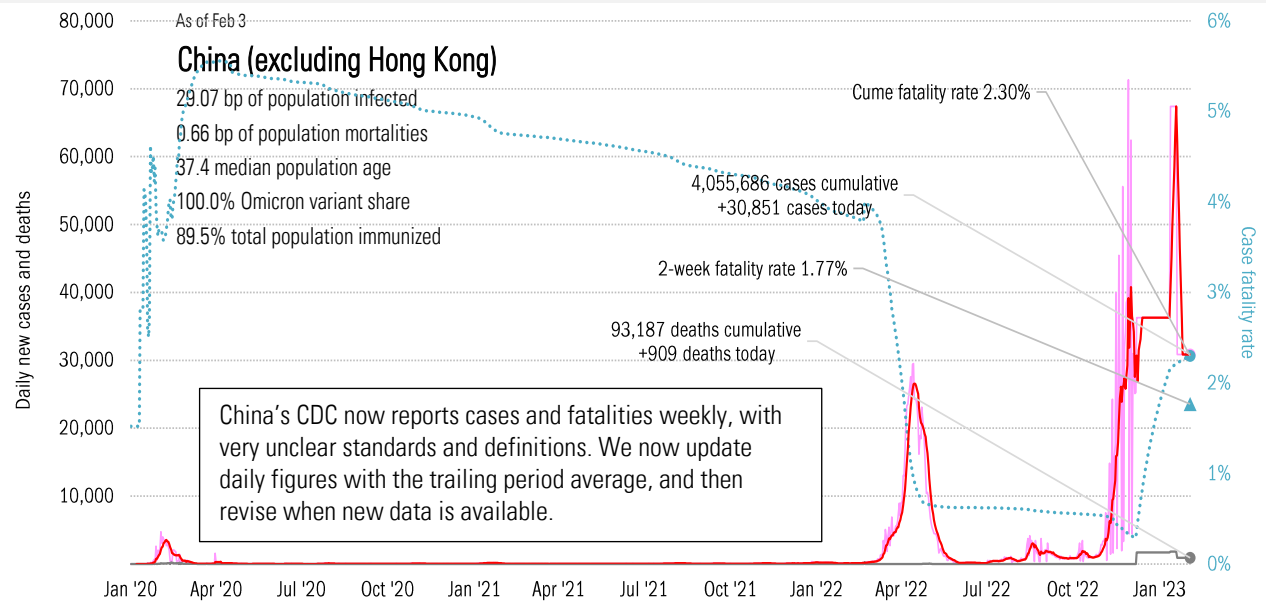
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

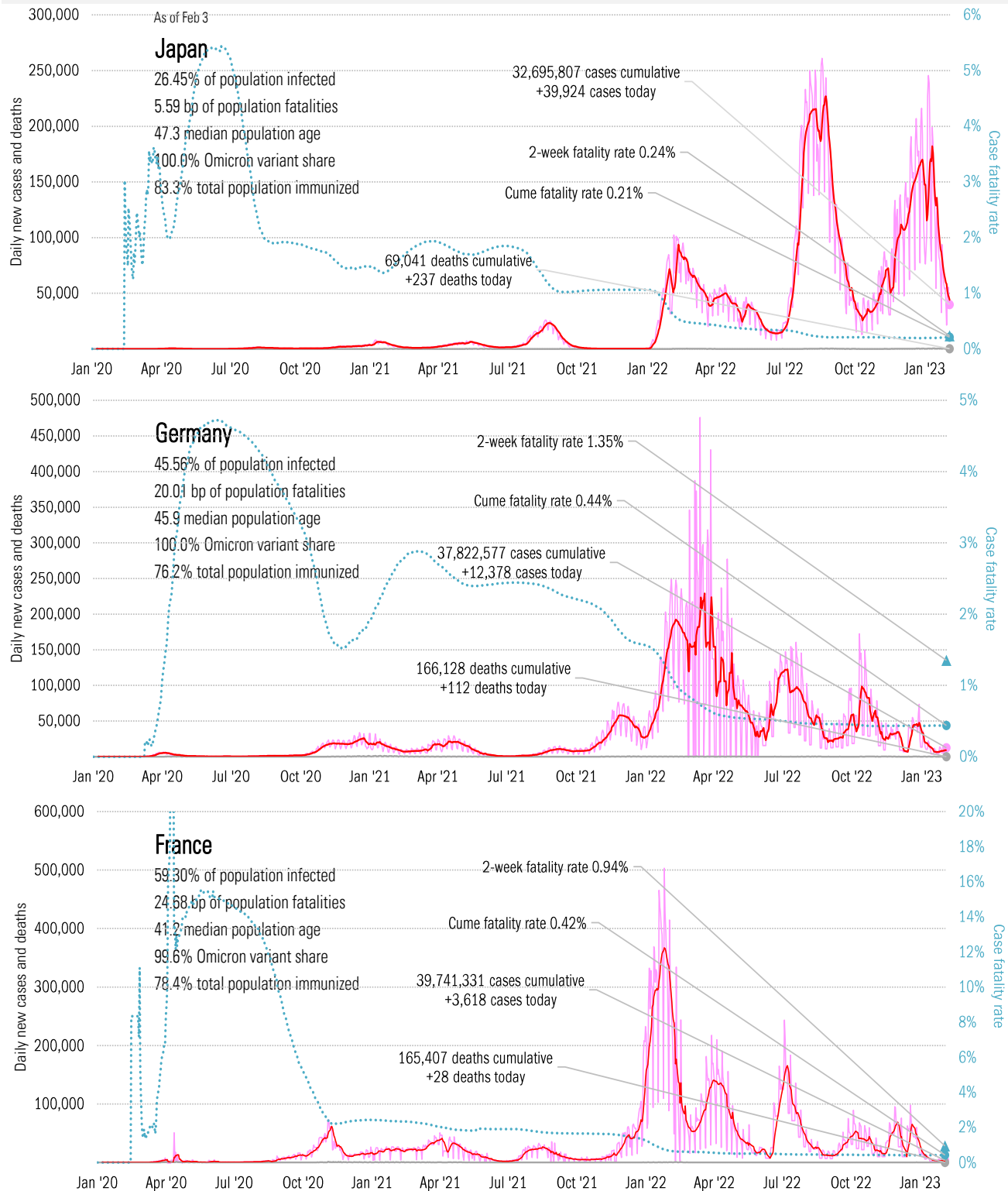
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

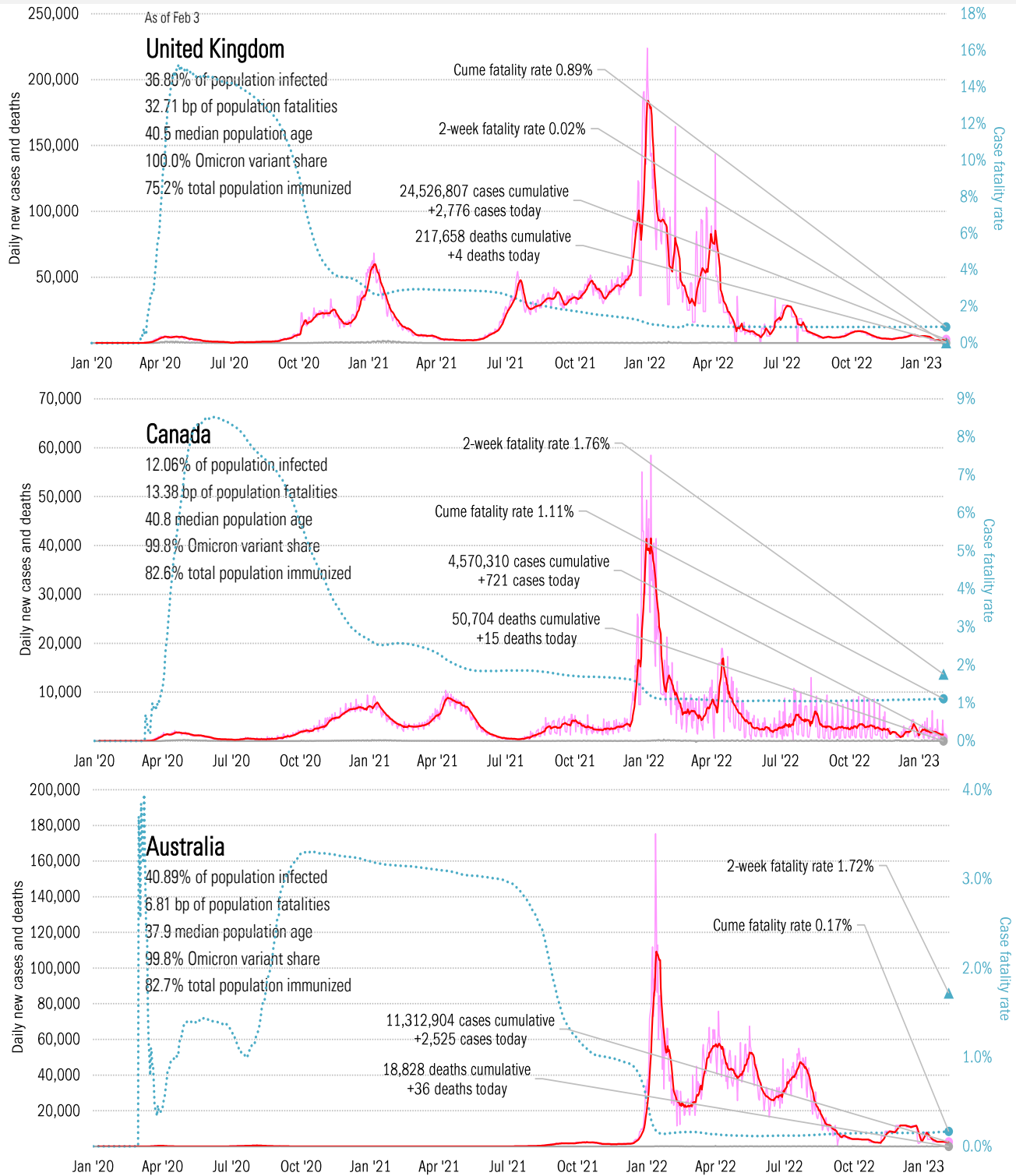
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

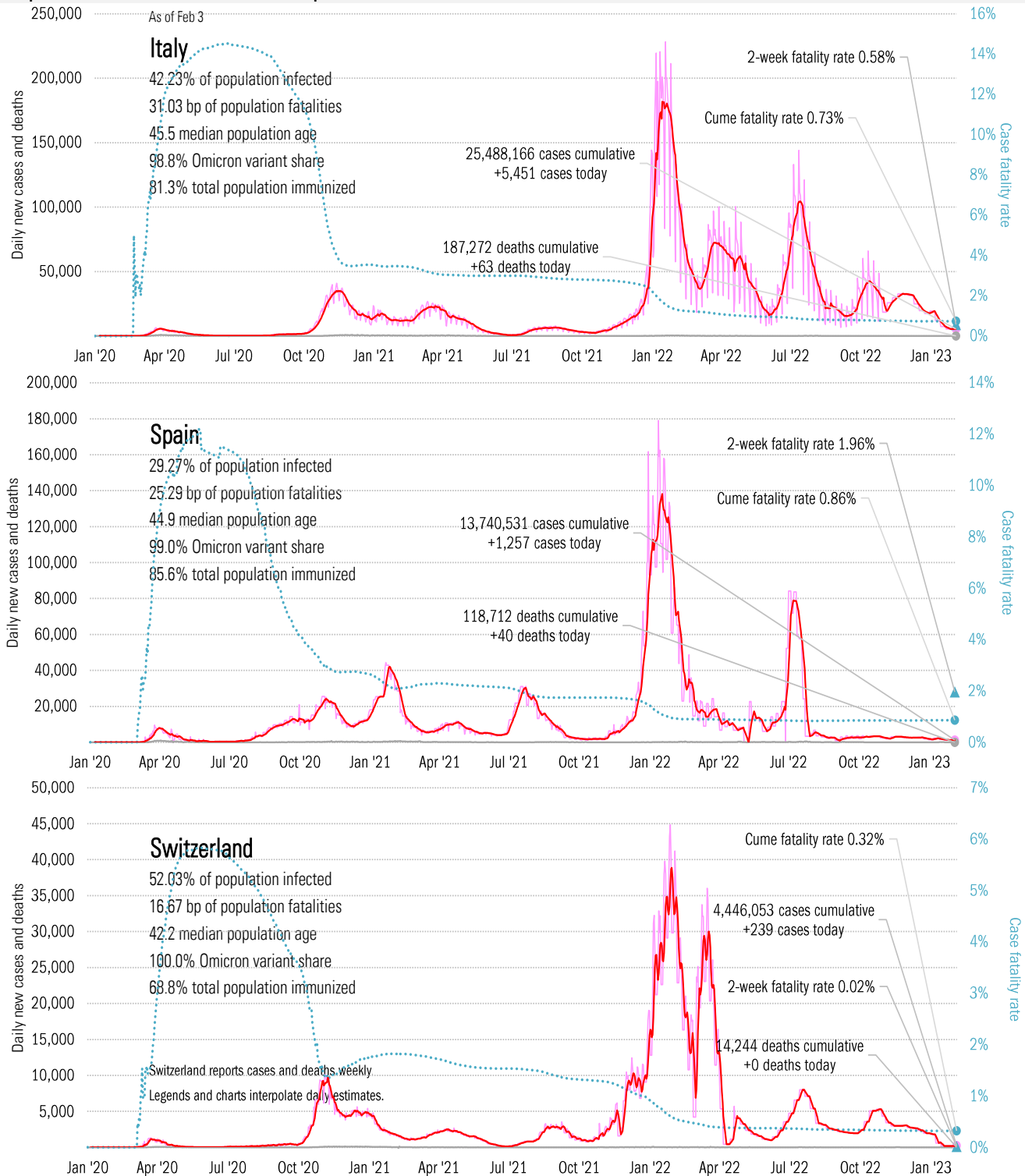
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

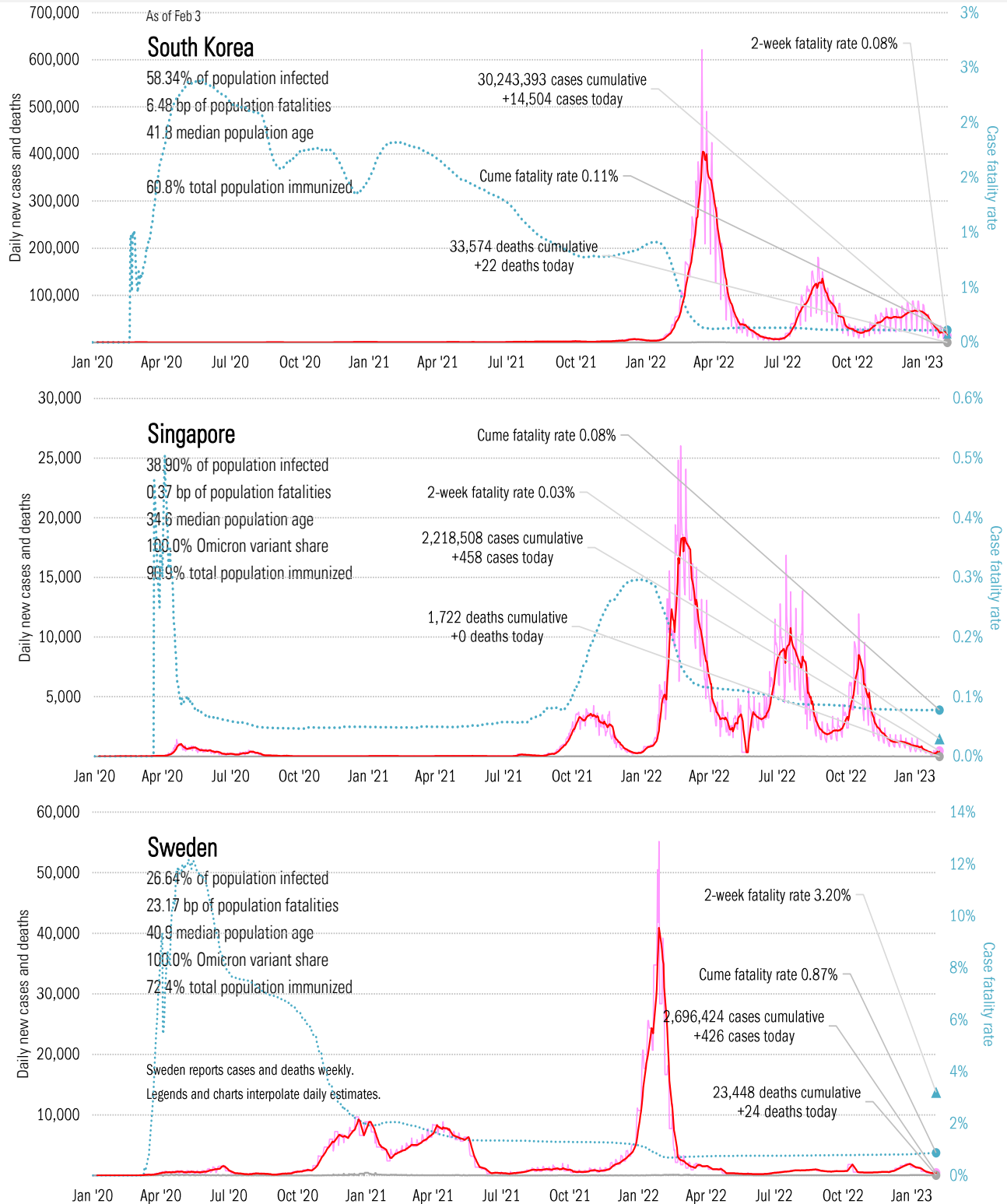
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

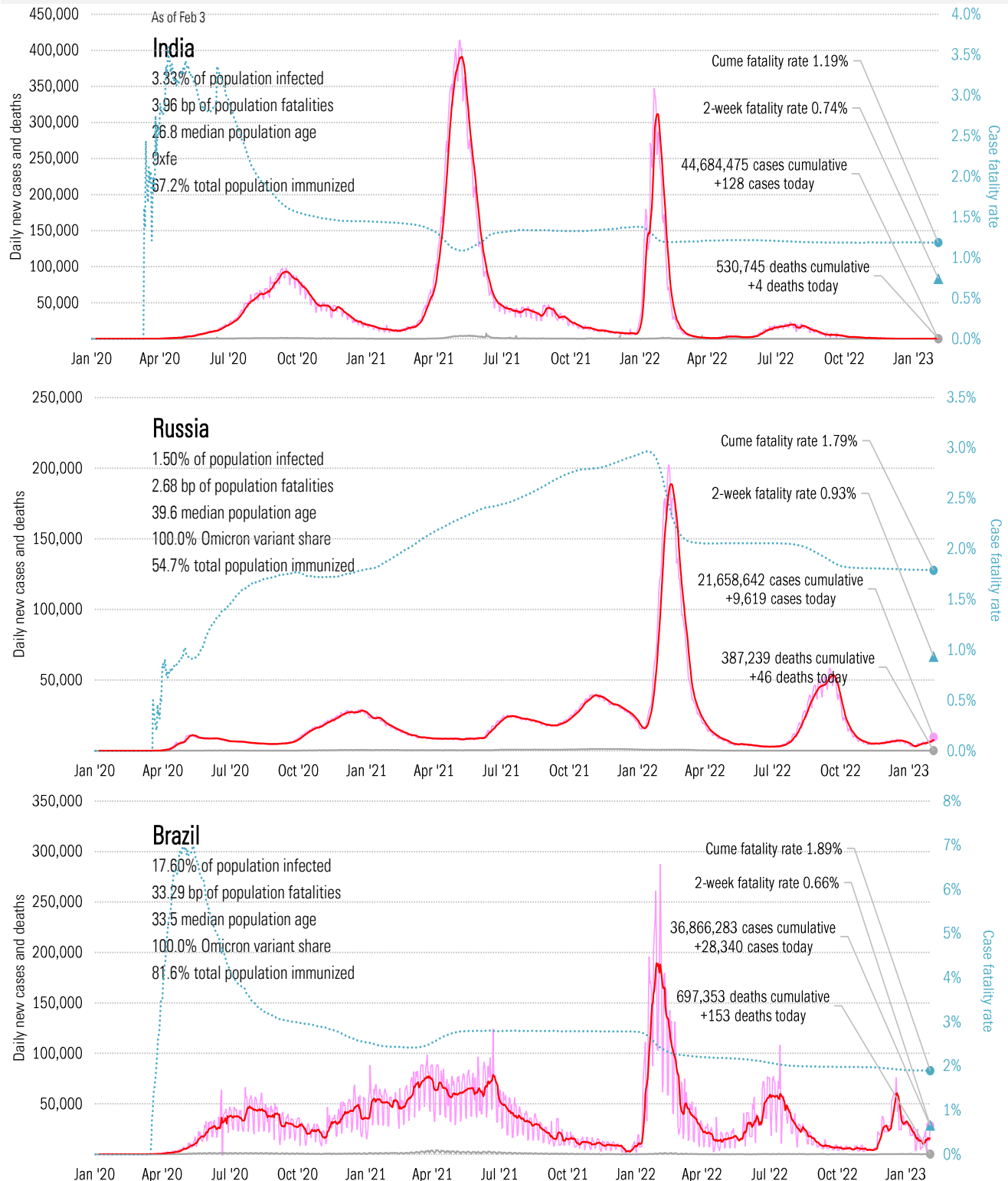
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

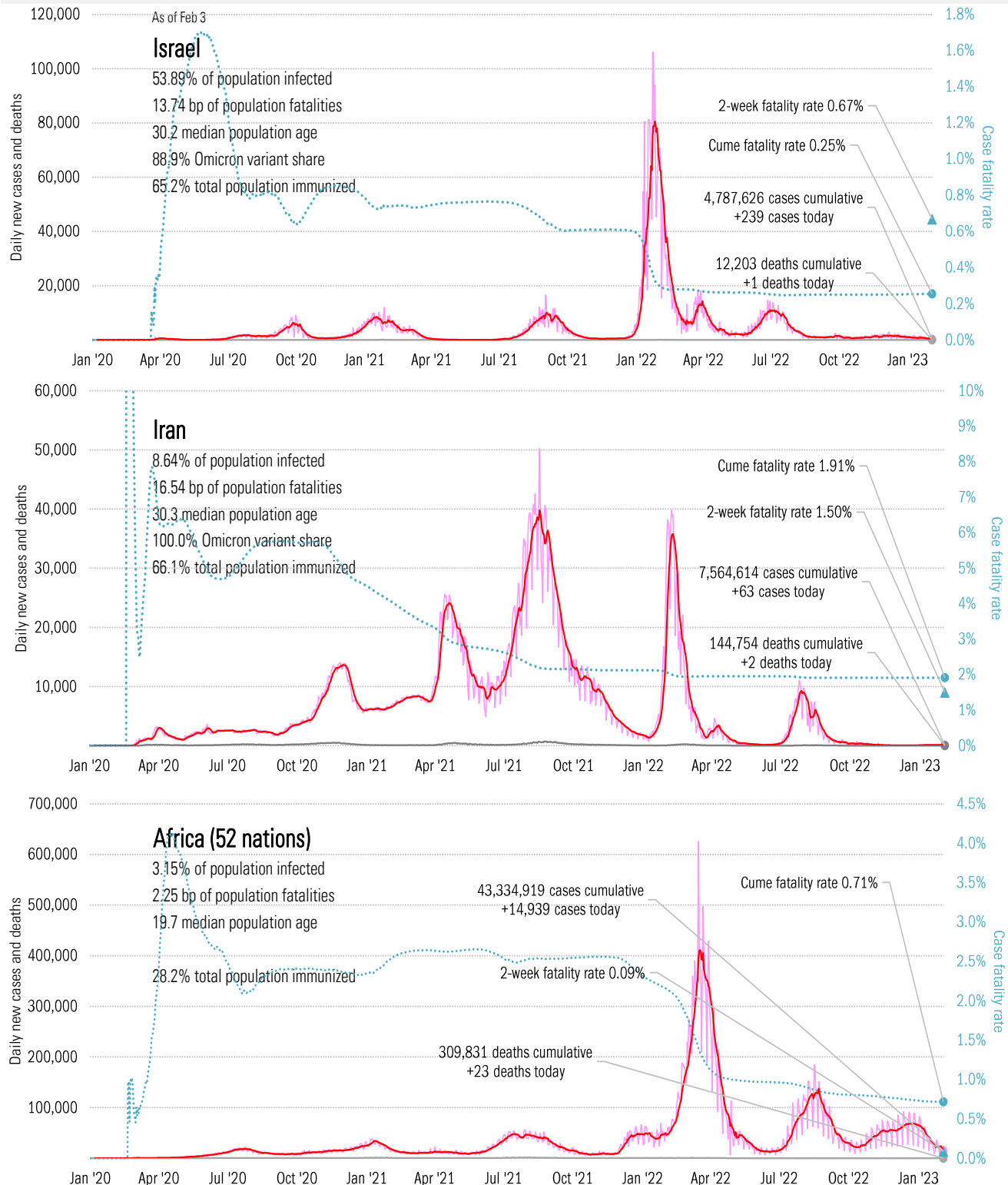
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

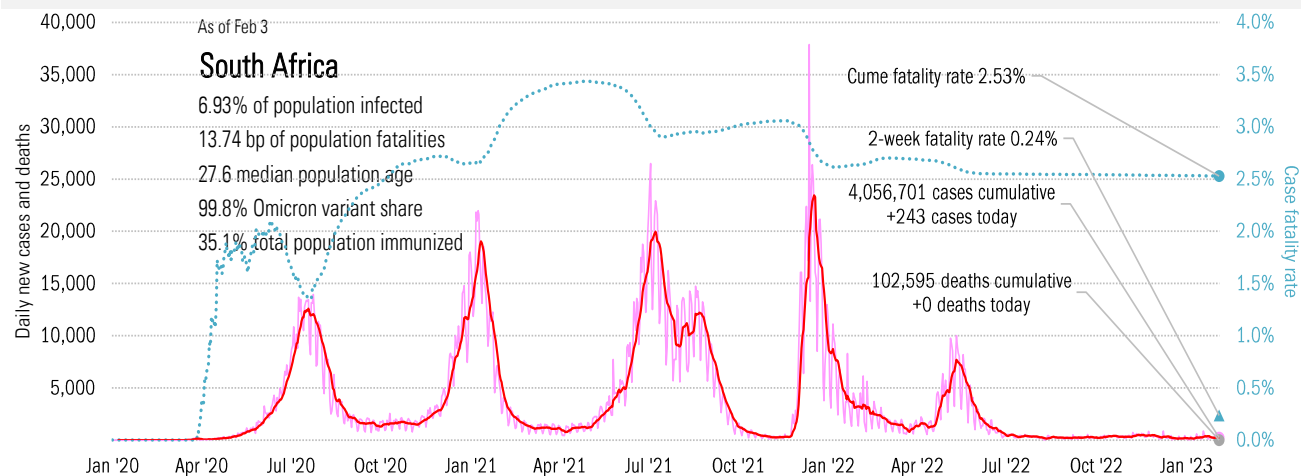
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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