

Data Insights: Covid-2019 Monitor

Tuesday, February 14, 2023

The global scorecard

Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries (see China note page 14)

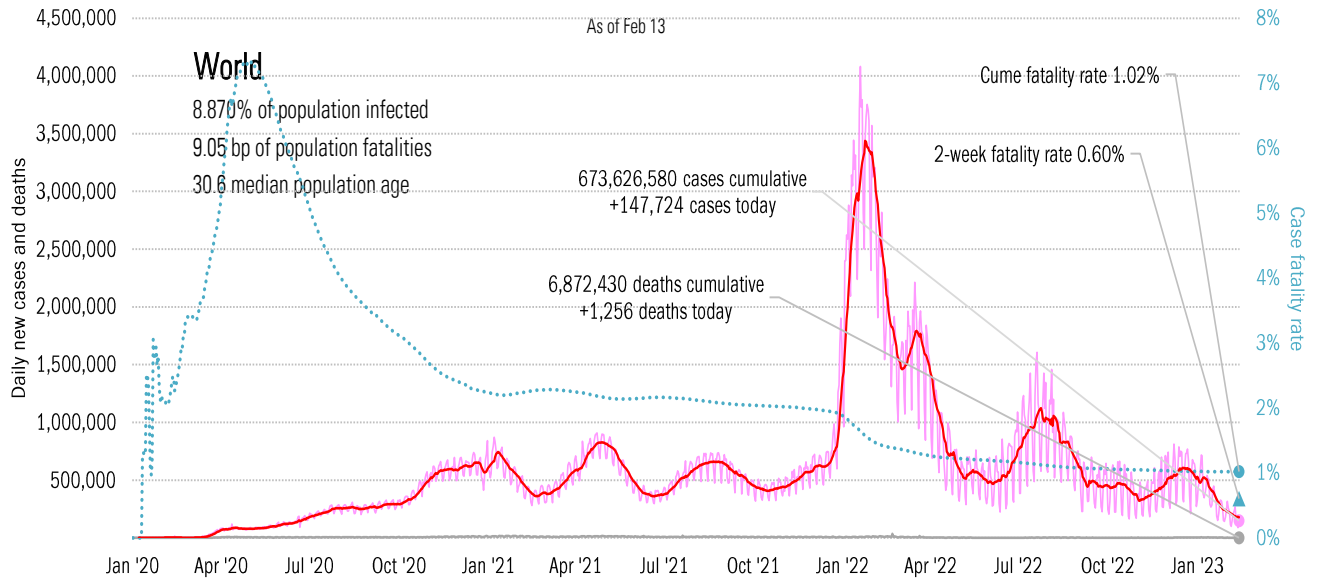
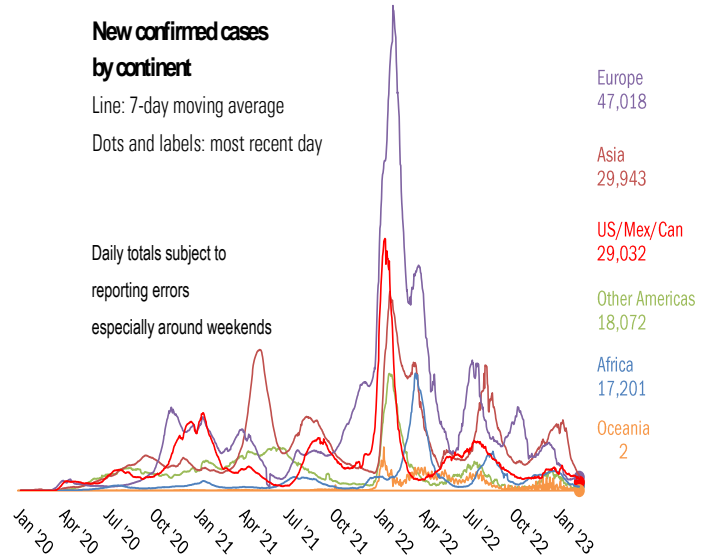
New cases		New Deaths	
United States	36,580	United States	499
Brazil	20,662	China	126
Korea, South	14,371	Germany	112
Taiwan*	12,657	Japan	93
Russia	10,940	Brazil	88
Japan	9,423	Canada	68
Germany	7,211	Taiwan*	54
China	5,373	France	50
Italy	4,414	United Kingdom	48
Romania	3,200	Italy	40

New confirmed cases by continent

Line: 7-day moving average

Dots and labels: most recent day

Daily totals subject to reporting errors especially around weekends



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

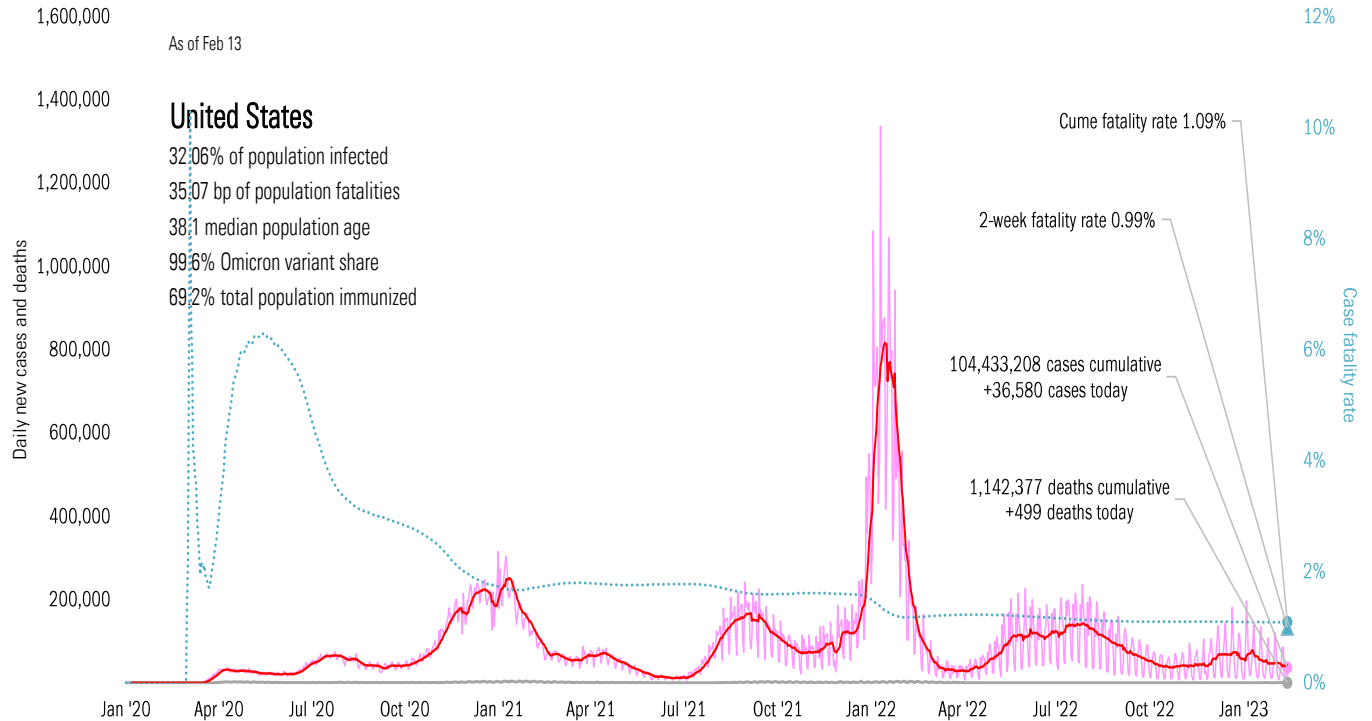
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
FL	5,700		FL	49		CA	463		CA	12,031,907	CA	100,300	TX	585,874		DE	129%	DE	114%		
NY	4,195		NY	42		MI	101		TX	8,400,059	TX	92,919	CA	563,214		MA	87%	AL	86%		
CA	3,195		VA	39		IL	142		FL	7,483,857	FL	85,710	FL	530,226		RI	87%	TX	86%		
NC	1,781		CO	32		AL	71		NY	6,750,201	NY	76,817	NY	351,651		MN	85%	AK	85%		
IL	1,462		SC	26		KY	65		IL	4,040,139	PA	49,921	CH	242,676		DC	84%	MS	83%		
AL	1,403		WI	24		IN	66		PA	3,491,219	GA	42,161	GA	240,873		MD	83%	NC	82%		
WI	1,342		NC	19		AZ	58		NC	3,438,259	MI	41,809	PA	228,835		WA	83%	MA	82%		
CH	1,262		MA	19		DC	18		CH	3,364,860	CH	41,535	IL	212,198		MO	82%	AR	81%		
LA	996		PA	19		IA	27		GA	3,042,823	IL	41,261	MI	179,735		CA	82%	NE	81%		
GA	993		MI	17		MS	30		MI	3,036,304	NJ	35,877	NJ	161,916		NC	82%	KY	80%		
22,329			285			1,041			55,079,628			608,310			3,297,198						
All states	36,580		499		3,489			All states	104,433,208	1,142,377		5,974,800		All states	70%	67%					
Top ten	61%		57%		30%			Top ten	54%	55%		55%		Median	76%	76%					

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
PA	-873	MD	-4	NY	-39
CT	-468	NM	-2	WI	-28
KS	-243	AK	0	CO	-26
MD	-7	AL	0	TX	-26
AK	0	AR	0	VA	-18

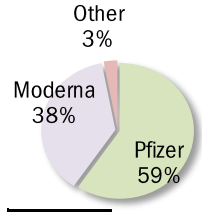


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	687,056,320		+0.220 million		US	69.2%	81.0%	
			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	277,638,793	83%	236,656,371	71%	+0.030 million	Spain	85.6%	86.9%
Age 12 to 17	18,464,819	73%	15,803,584	62%	+0.002 million	Germany	76.2%	77.8%
Age 18 to 64	184,583,588	91%	156,864,729	77%	+0.016 million	Italy	81.3%	86.2%
Age 65 and over	61,066,754	100%	53,495,666	98%	+0.005 million	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	67.2%	72.5%
						Brazil	81.6%	87.8%
						China	89.5%	91.9%



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

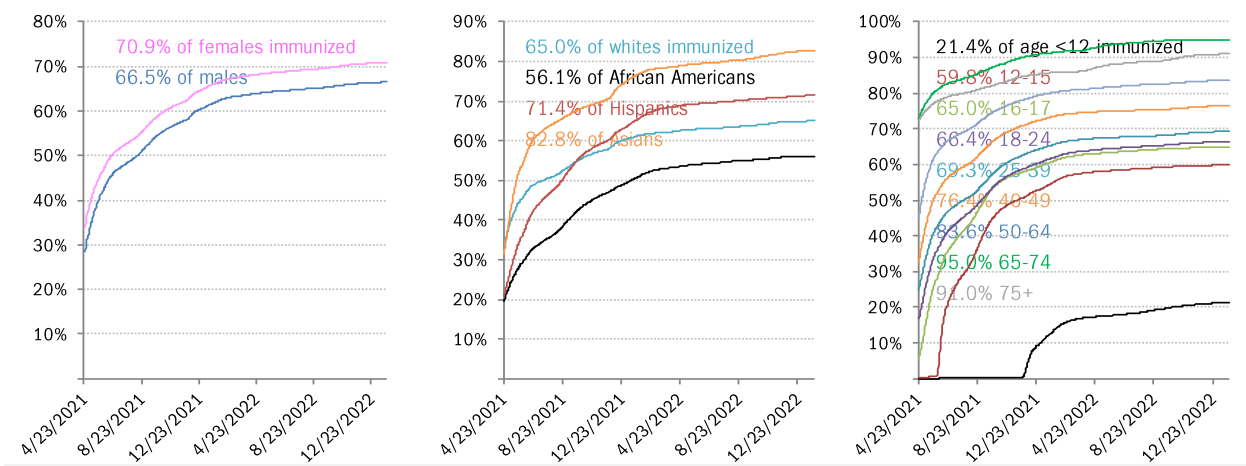
"Immunity" = two doses

Global data differs due to sources, timing

AK	WI	ME								
73.0%	75.1%	95.0%								
65.1%	68.2%	83.3%								
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
85.2%	63.9%	68.2%	69.3%	78.8%	79.1%	69.4%	94.4%	95.0%	88.1%	
76.0%	56.4%	59.1%	58.6%	72.1%	71.3%	62.3%	80.8%	85.6%	71.9%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.6%	77.6%	60.8%	83.8%	70.6%	64.4%	65.7%	90.5%	94.6%	95.0%	
72.4%	63.7%	53.0%	66.2%	64.3%	57.7%	60.4%	73.3%	79.1%	84.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.7%	75.3%	83.6%	73.4%	69.3%	68.8%	67.5%	91.0%	91.7%	95.0%	95.0%
74.6%	66.7%	73.5%	66.2%	59.0%	59.6%	59.7%	76.6%	79.7%	83.0%	87.7%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
77.5%	94.4%	76.2%	69.9%	64.4%	92.2%	71.0%	95.0%	88.2%		
66.0%	75.2%	65.3%	56.8%	56.2%	67.1%	59.9%	90.3%	73.3%		
OK	LA	MS	AL	GA						
74.6%	62.8%	61.6%	65.0%	68.4%						
60.4%	55.0%	53.7%	53.1%	57.3%						
TX	FL	PR								
76.4%	82.4%	90.9%								
63.2%	69.4%	84.0%								
HI										
91.4%										
81.5%										

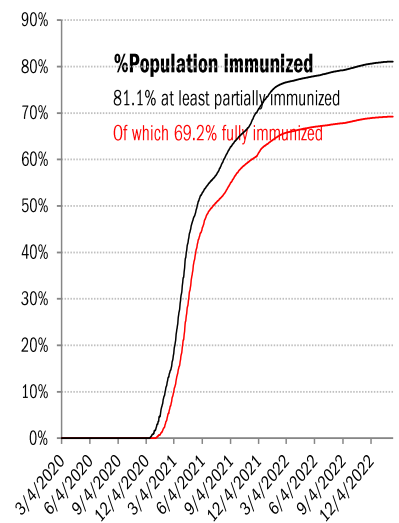
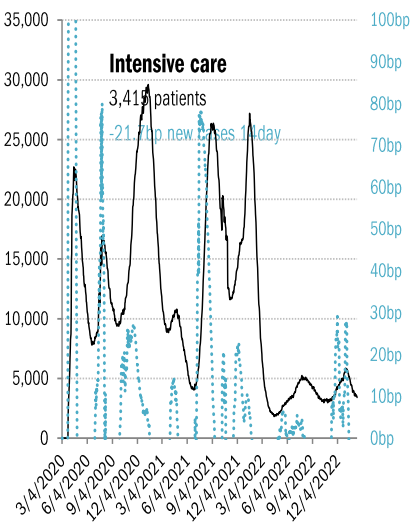
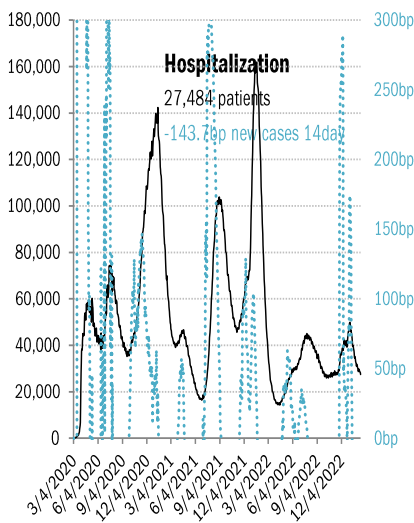
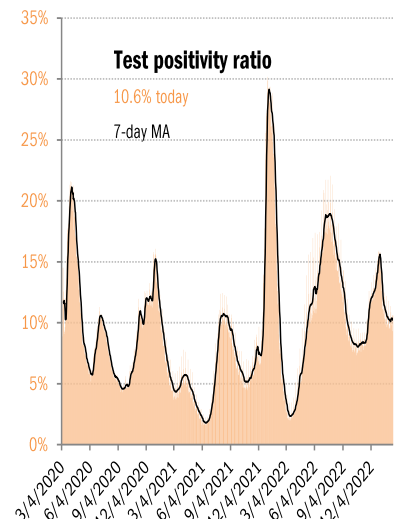
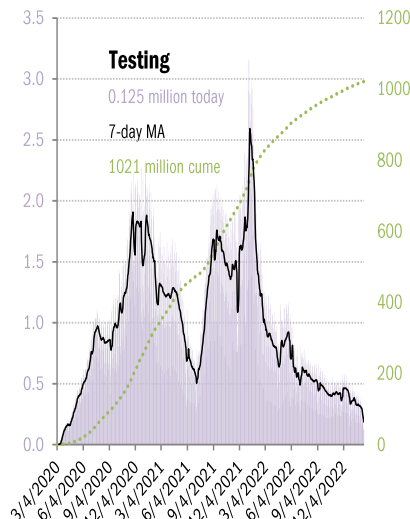
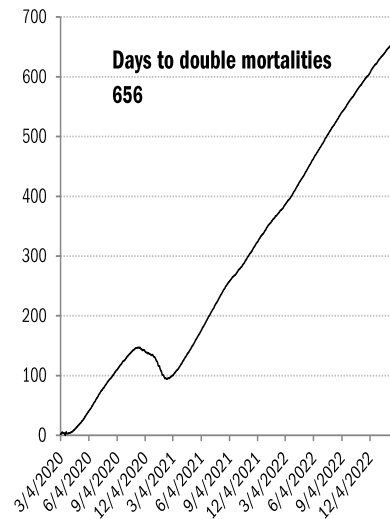
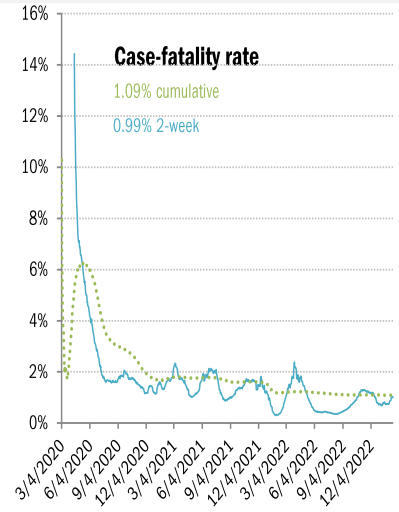
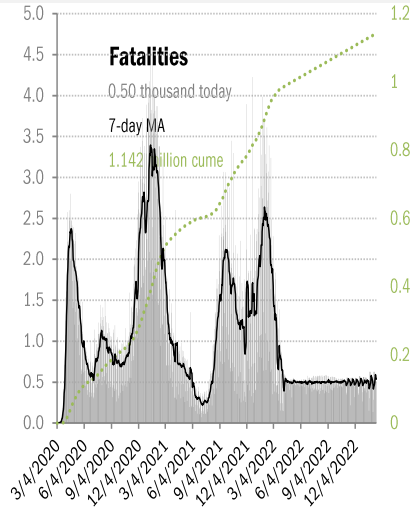
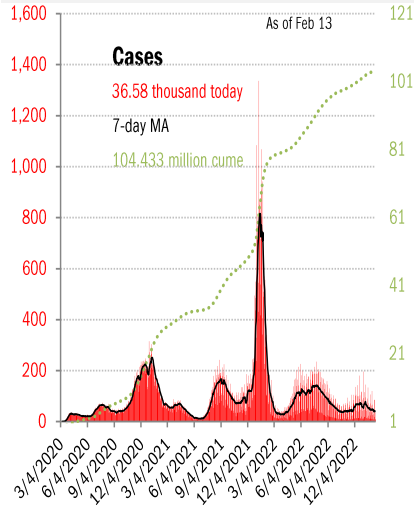
As of Feb 10

The demographics of US vaccination

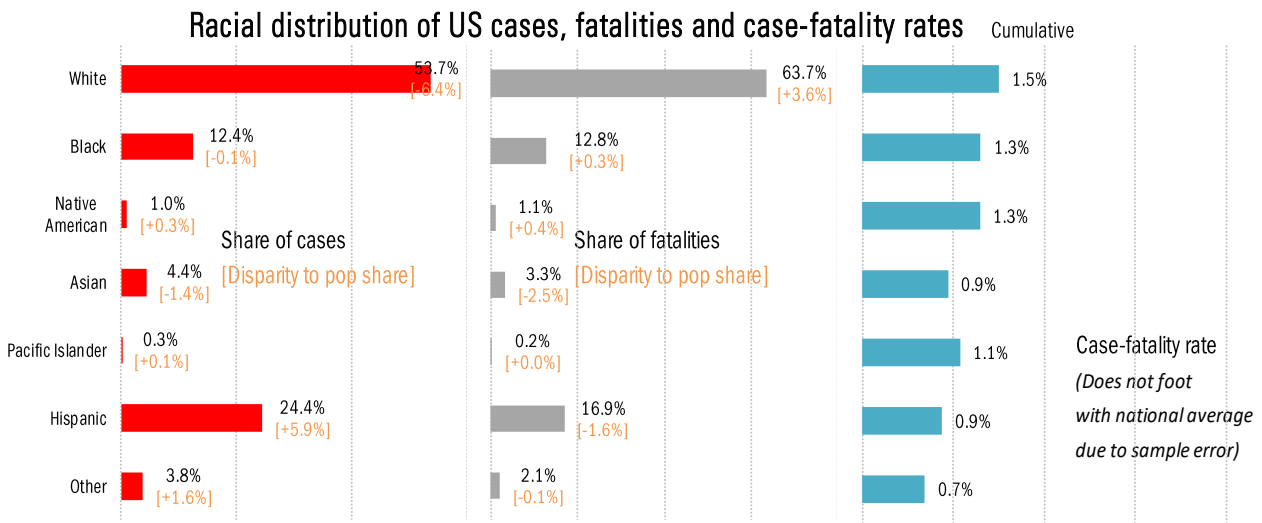
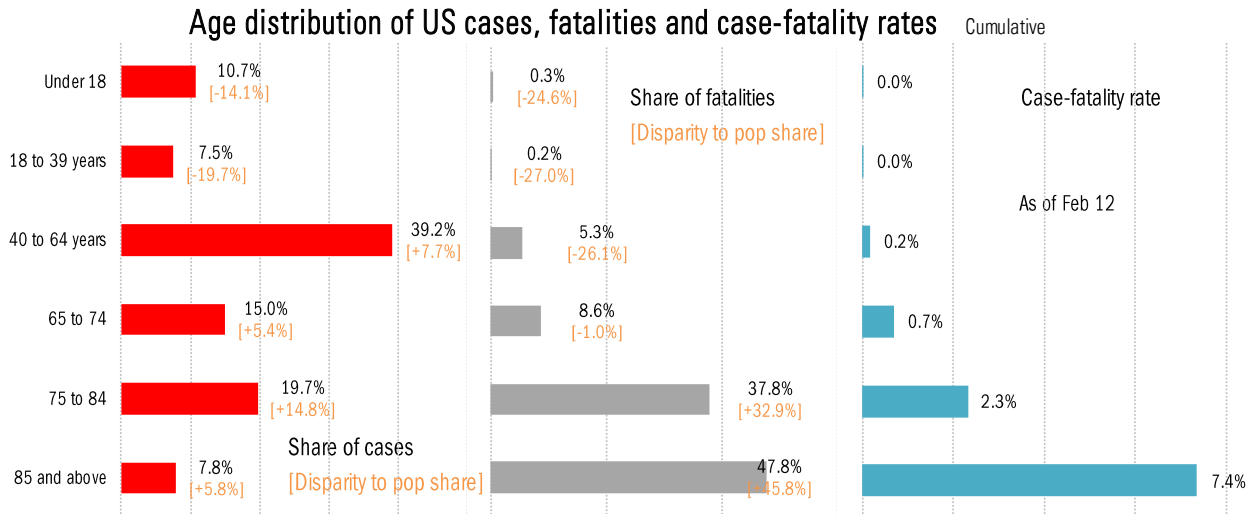


Source: CDC, CDC, Our World in Data, TrendMacro calculations

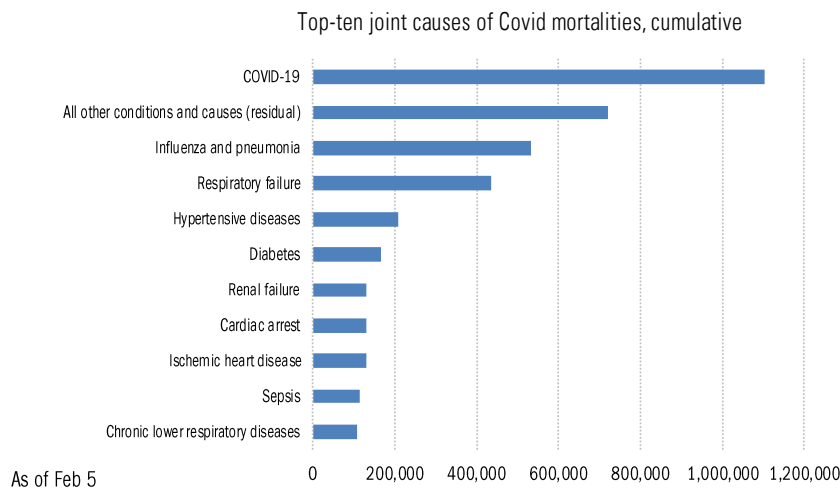
US deep-dive



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



Comorbidities



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

[Novavax to Sell 1.5 Million More Covid Vaccines to U.S. Government](#)

Liz Essley Whyte and Stephanie Armour
Wall Street Journal
February 13, 2023

[We went too far with Covid restrictions, says Germany's pro-lockdown minister](#)

Jorg Luyken
The Telegraph
February 10, 2023

[Covid Restrictions Were "Idiocy" and School Closures Were an "Unnecessary Mistake" – Germany Lockdown Chief](#)

Will Jones
Daily Sceptic
February 11, 2023

[Remote Work Is Costing Manhattan More Than \\$12 Billion a Year](#)

Emma Court and Donna Borak
Bloomberg
February 12, 2023

[Why Mississippi, a Covid Hot Spot, Left Millions in Pandemic Aid Unspent](#)

Sharon LaFraniere
New York Times
February 13, 2022

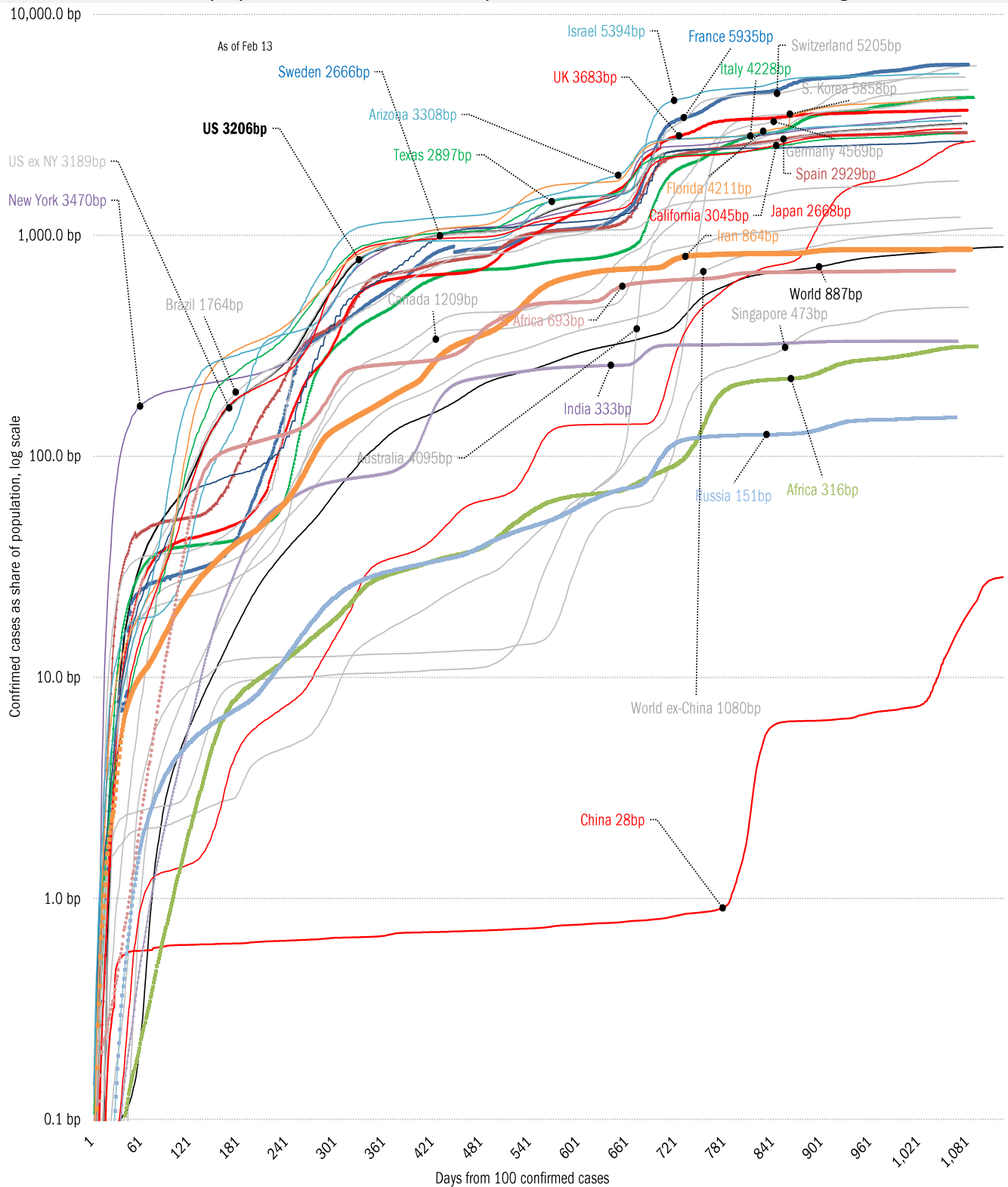
Meme of the Day



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

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

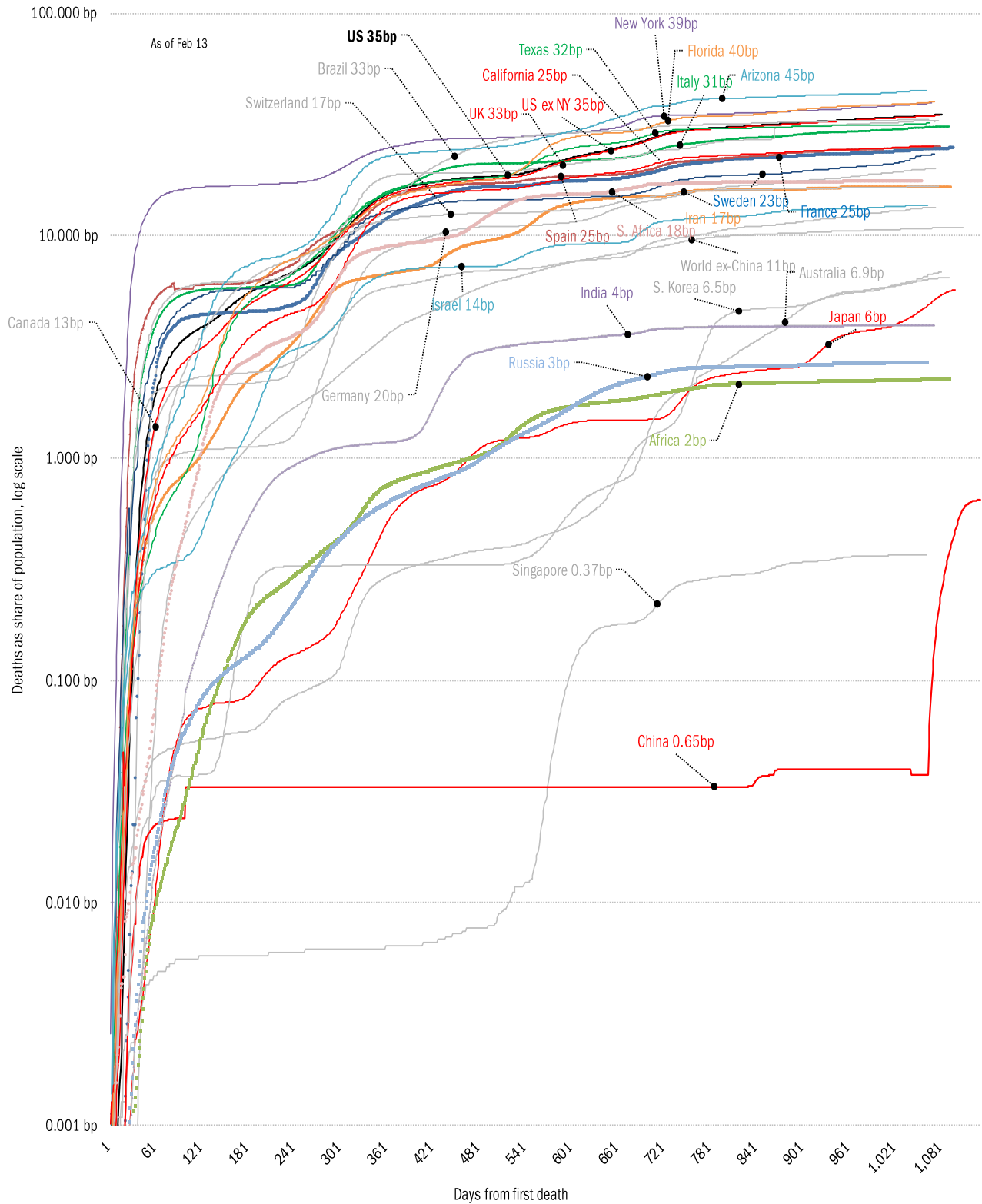
Share of infected population from first day with 100 confirmed cases, log scale



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

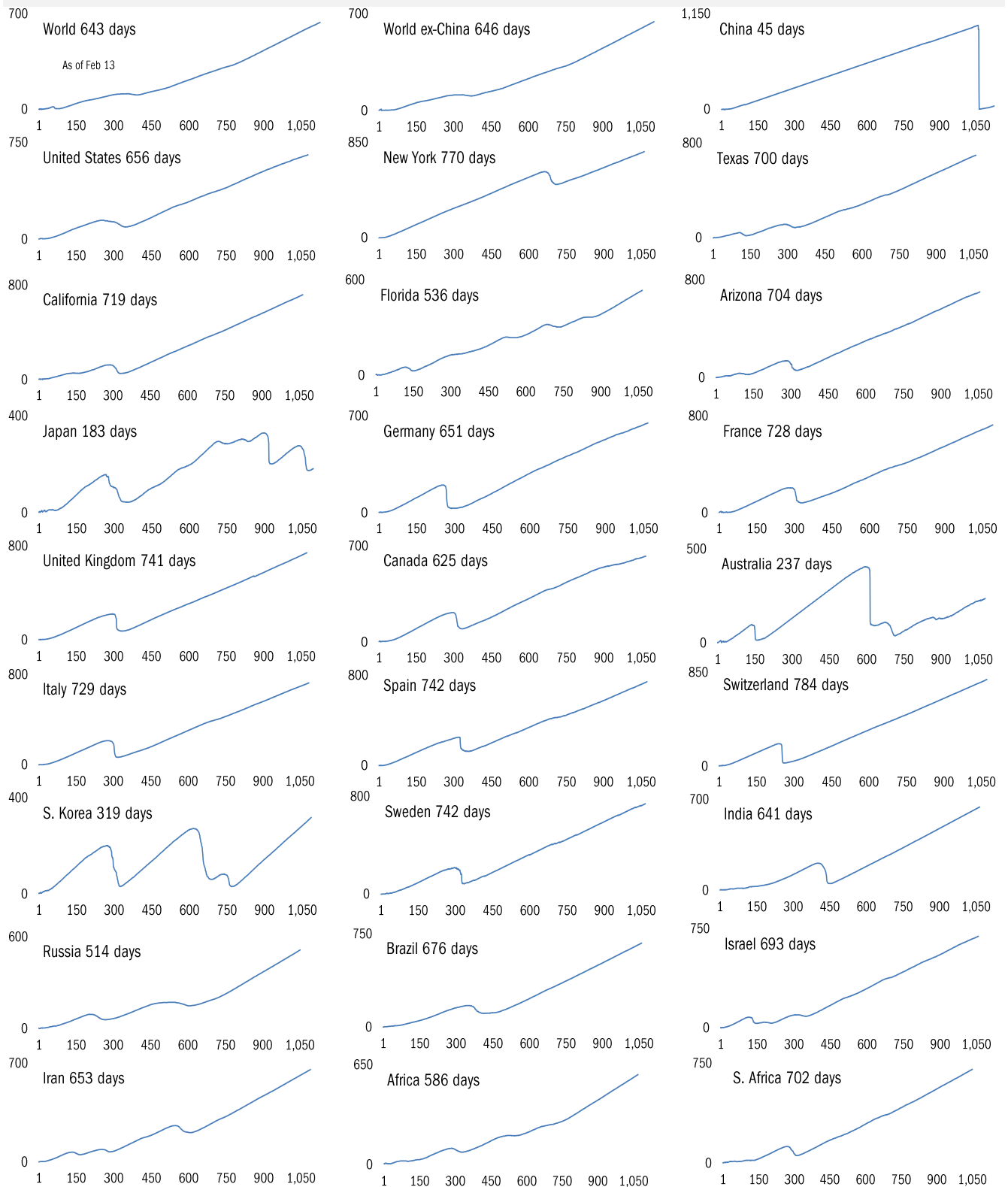


Source: [Johns Hopkins](#), TrendMacro calculations

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

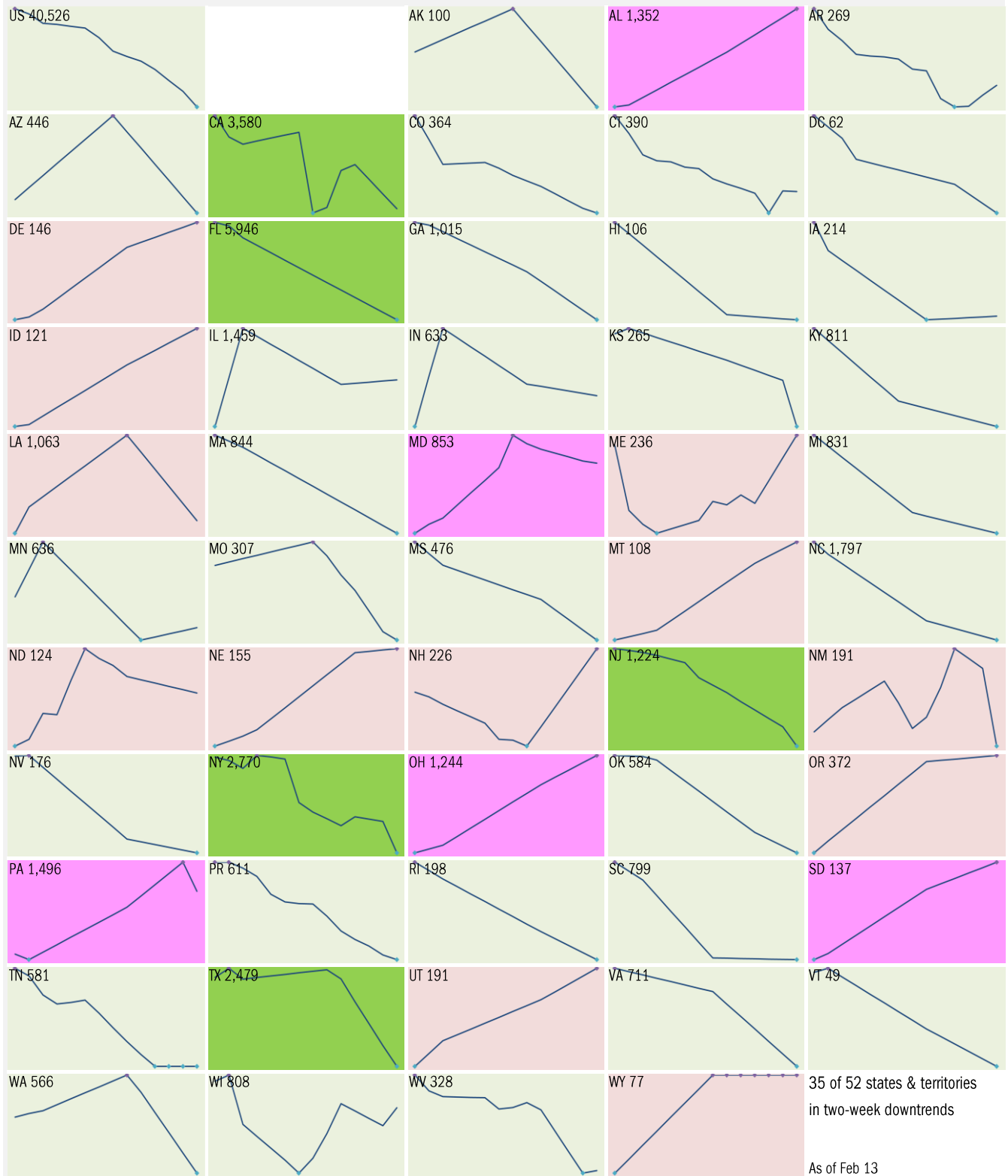


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

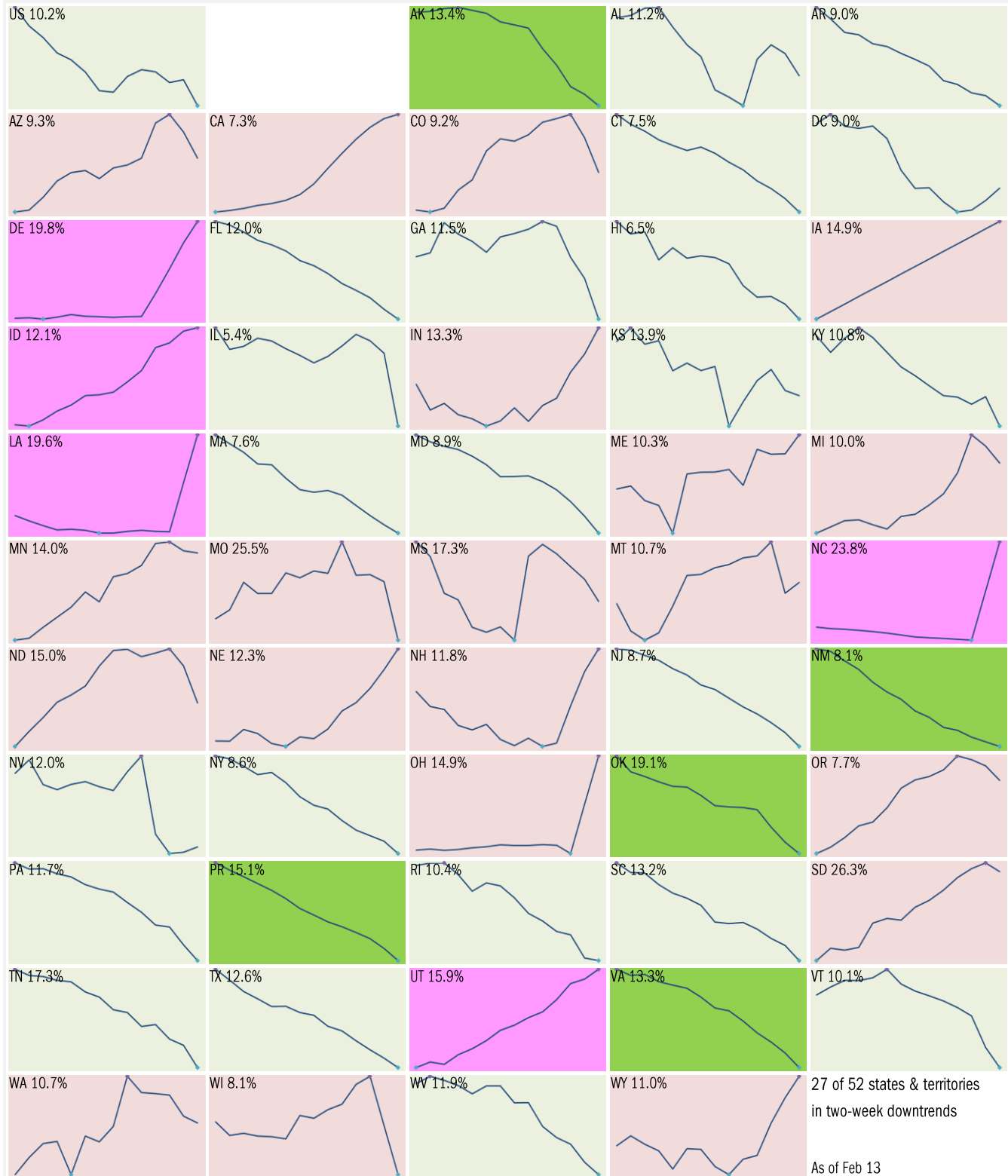


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

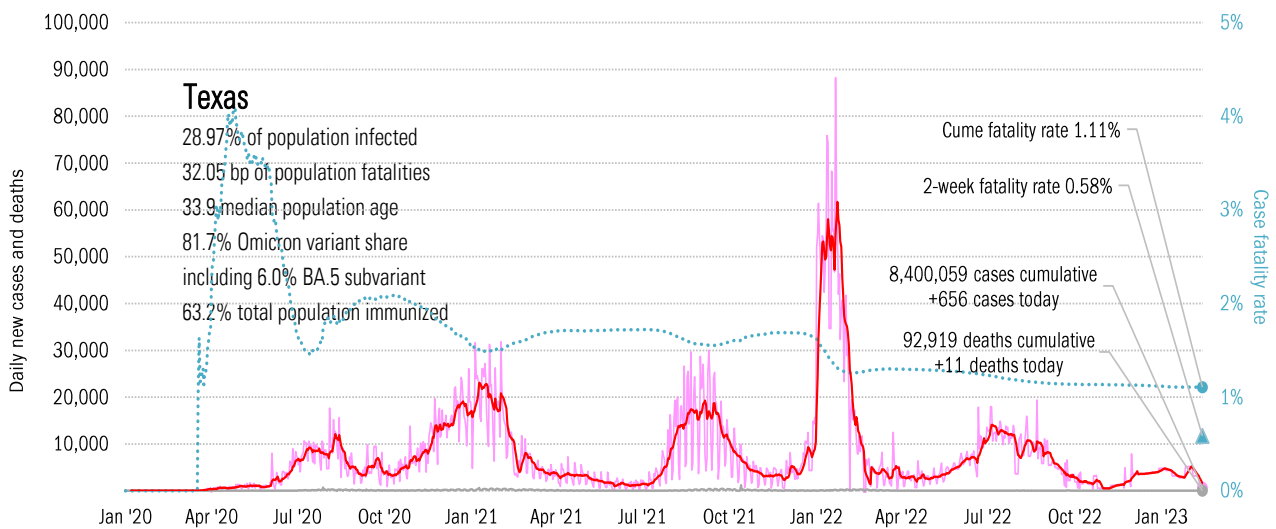
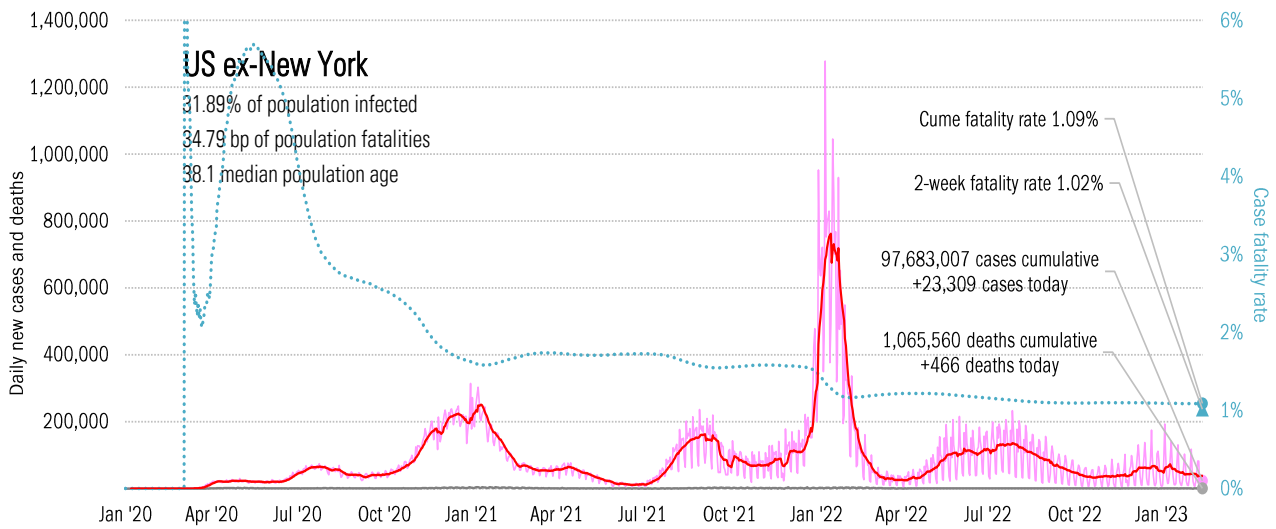
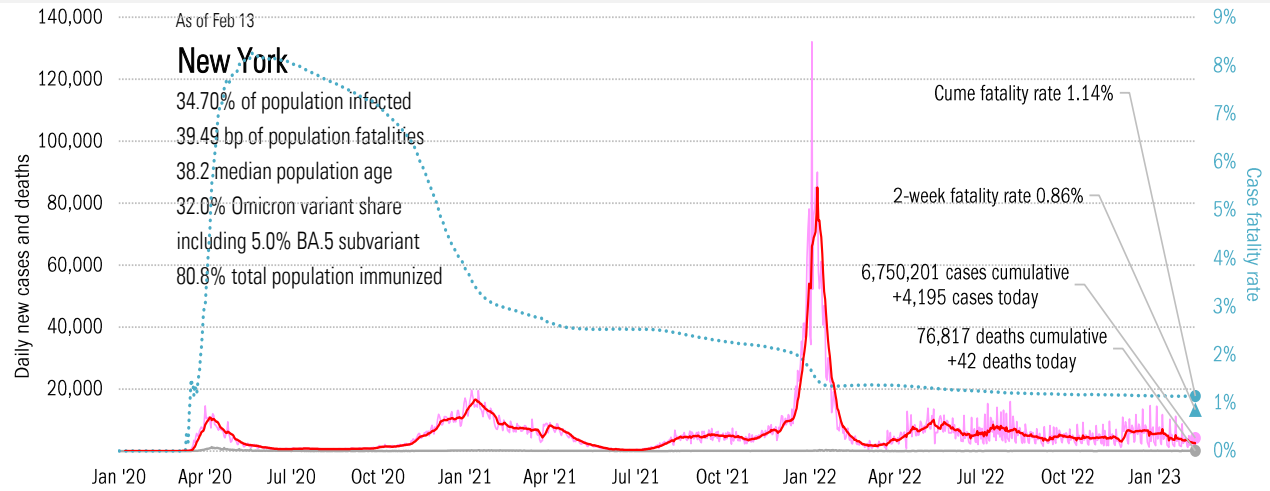
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

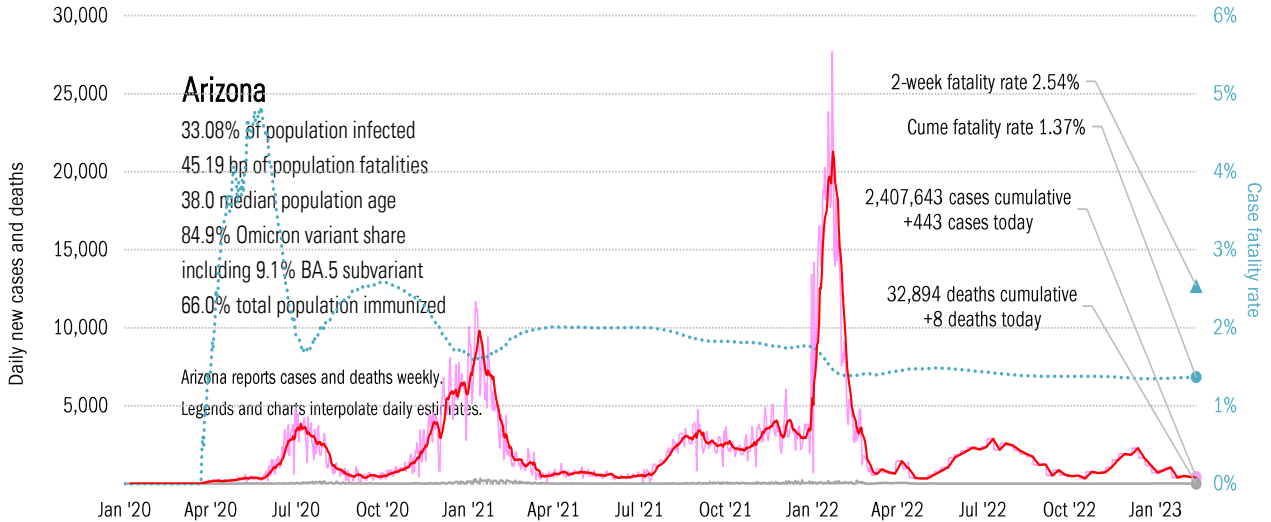
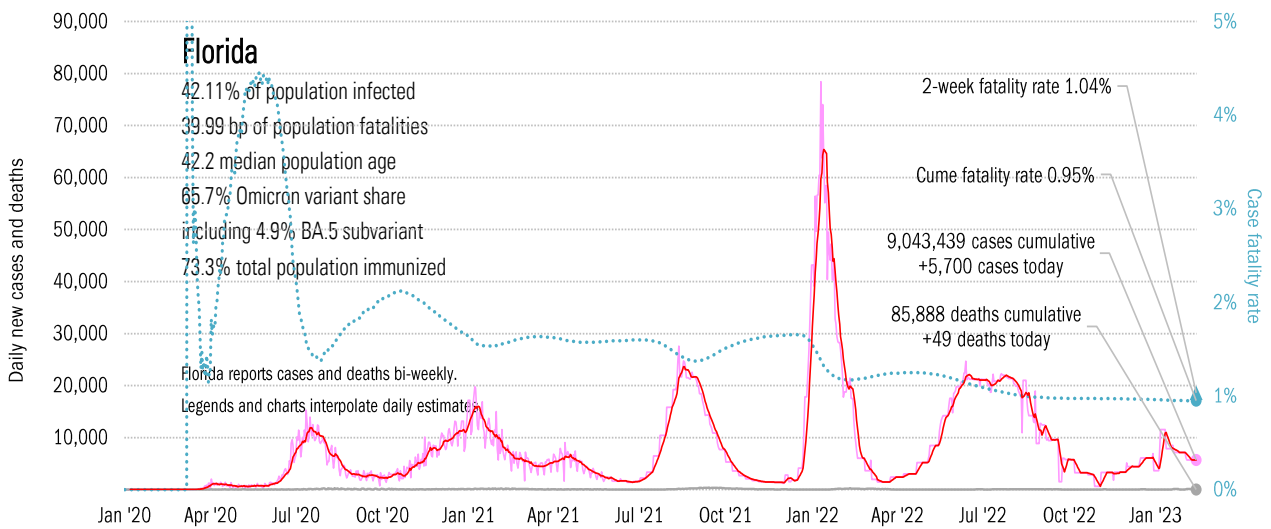
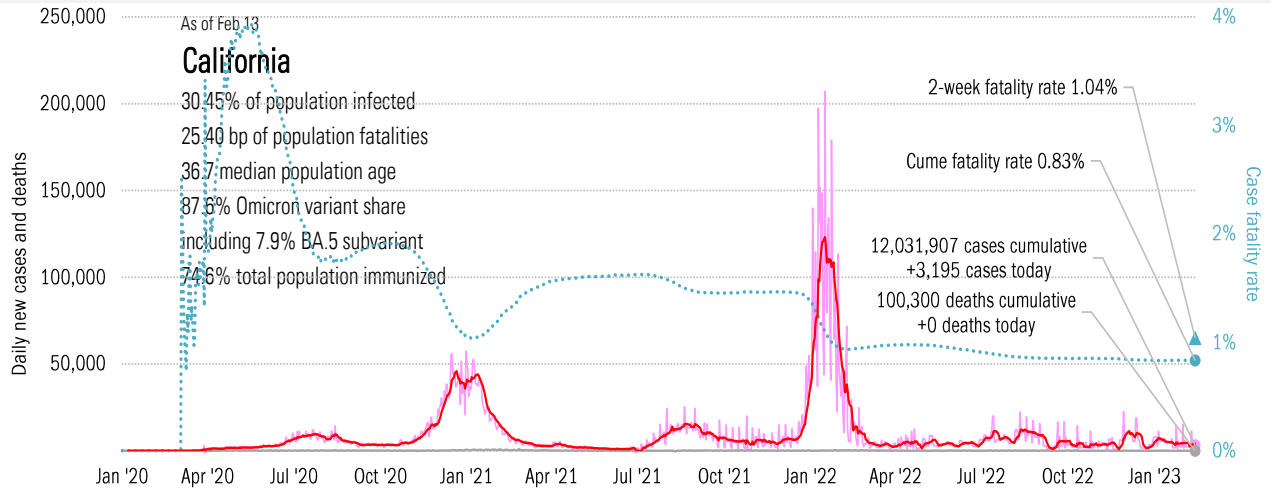
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

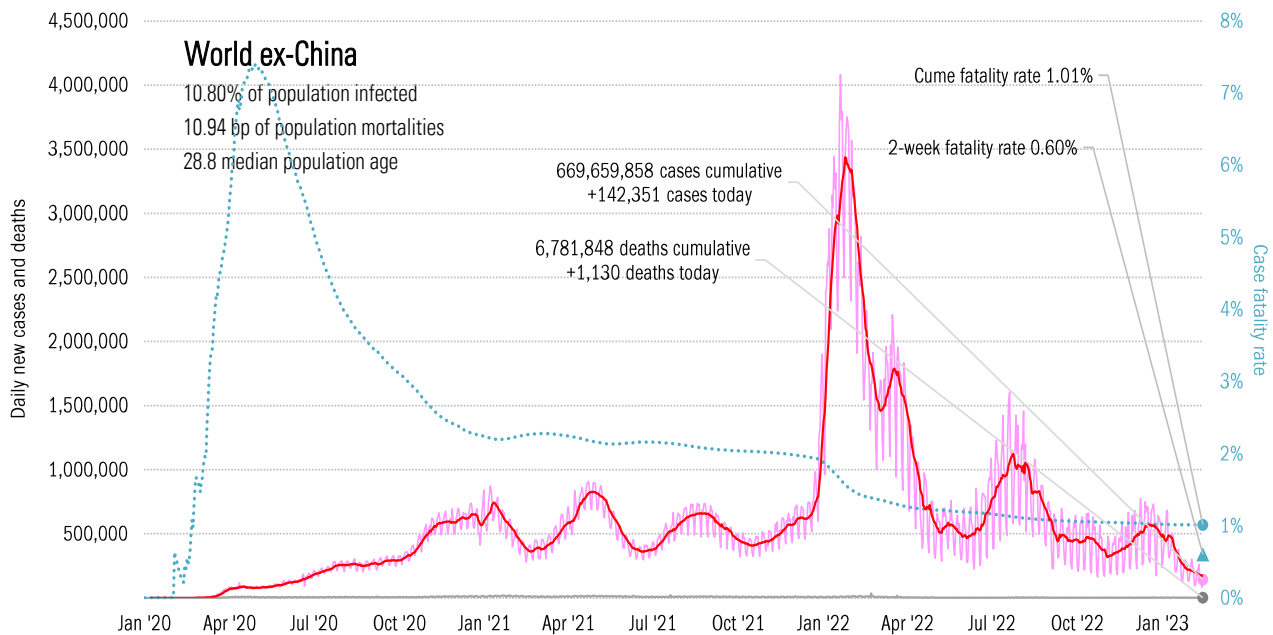
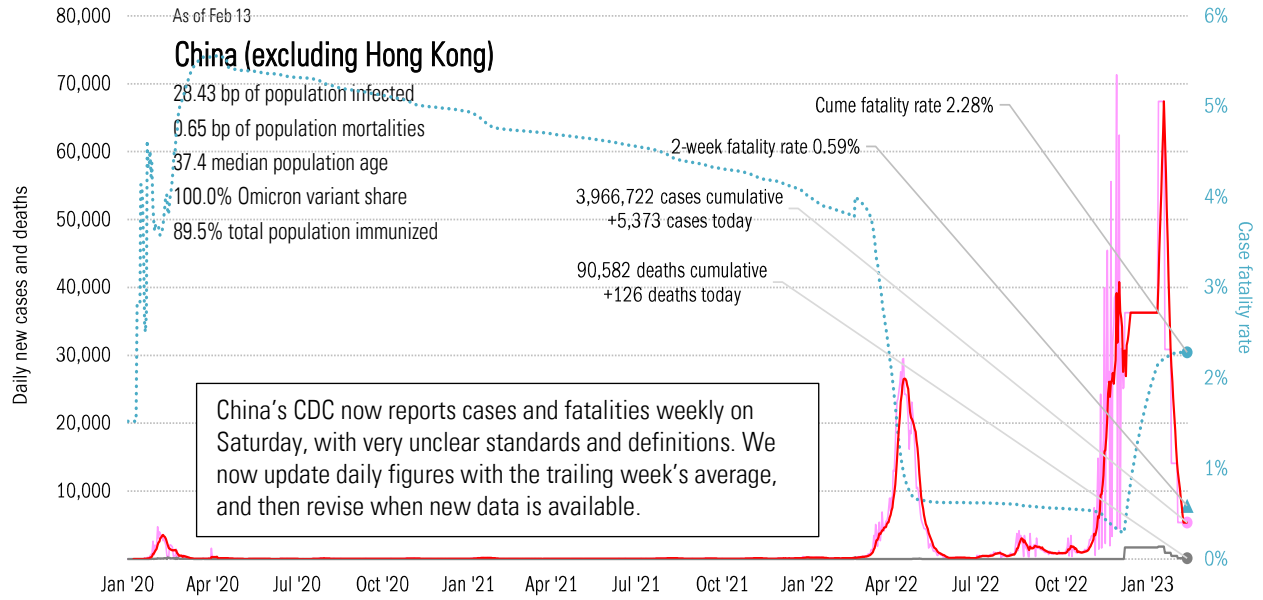
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

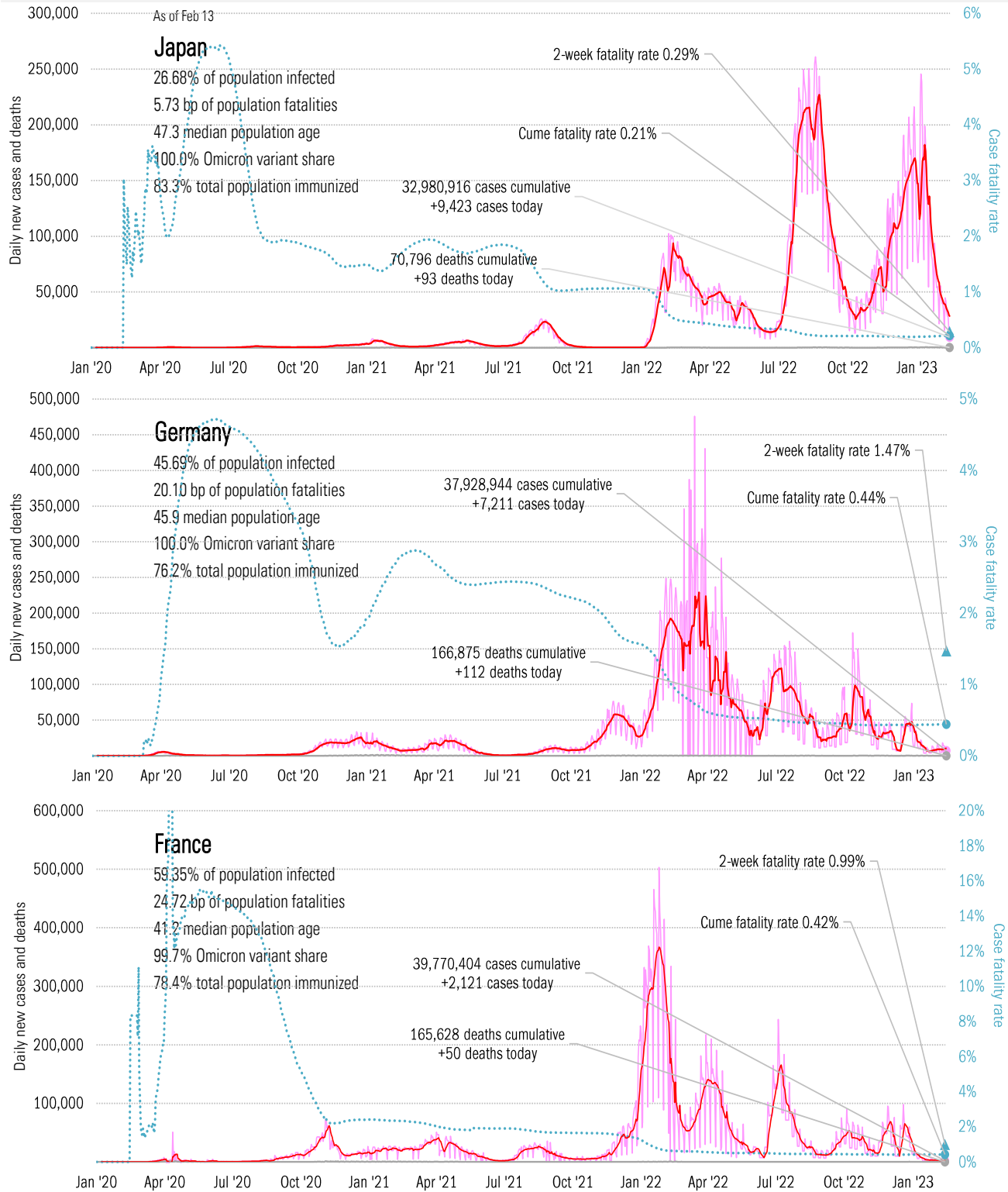
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

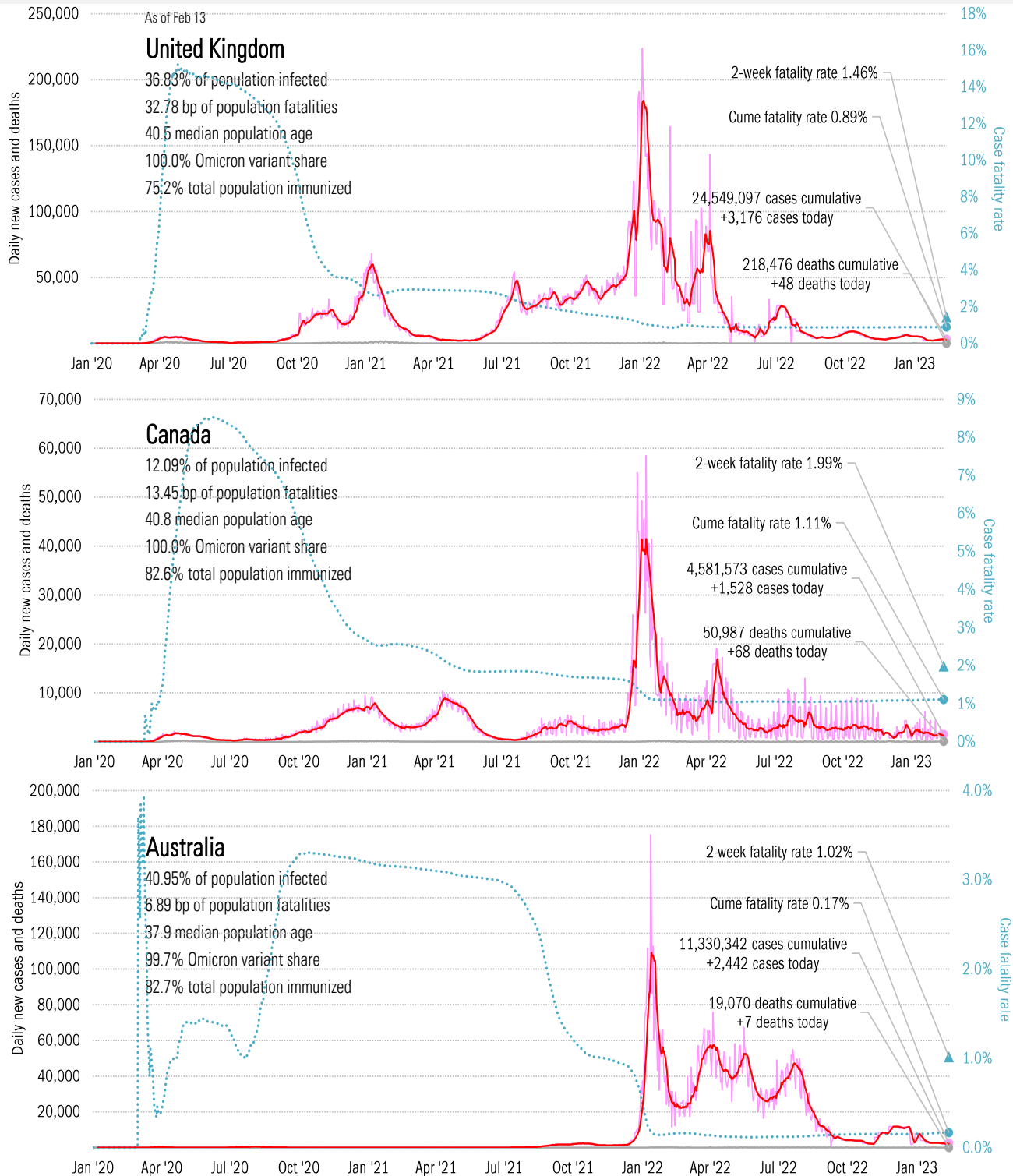
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

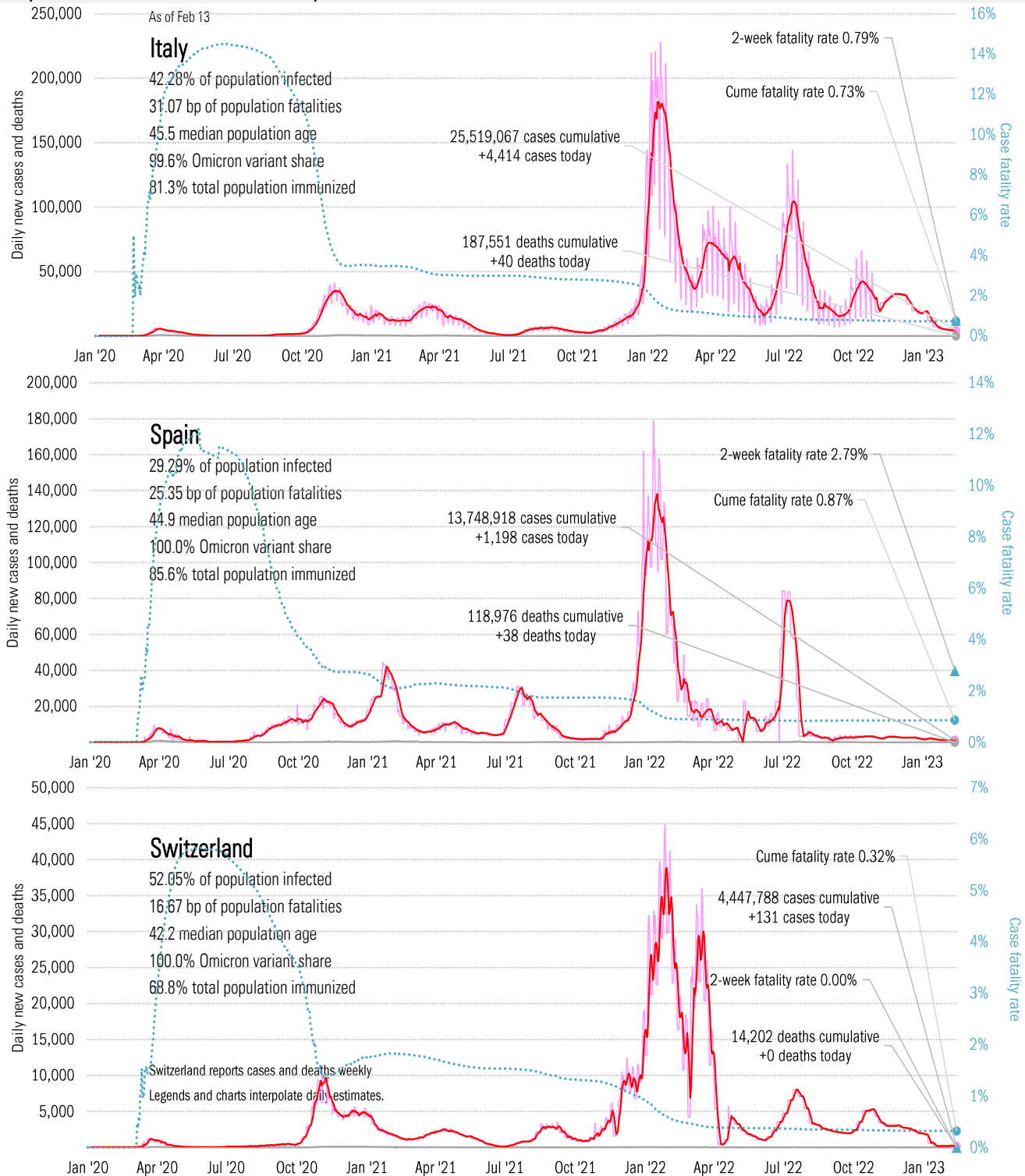
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

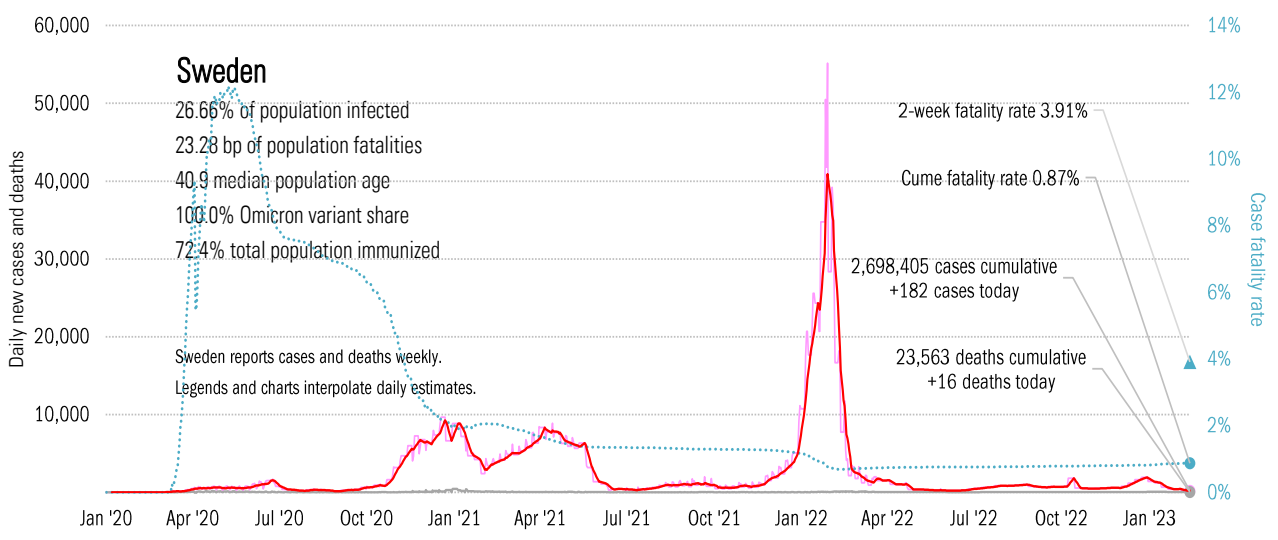
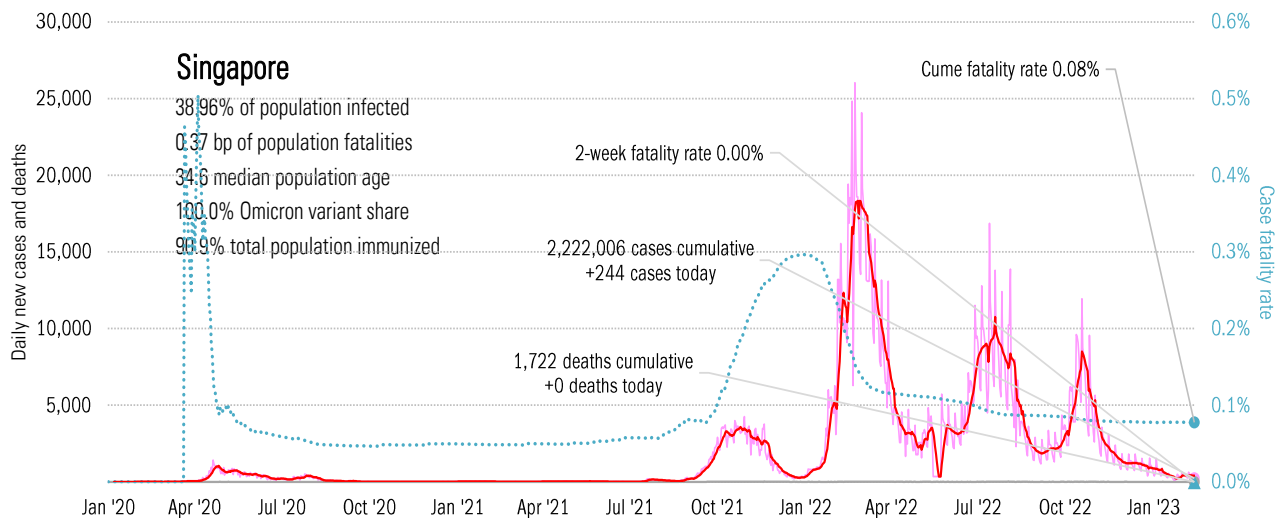
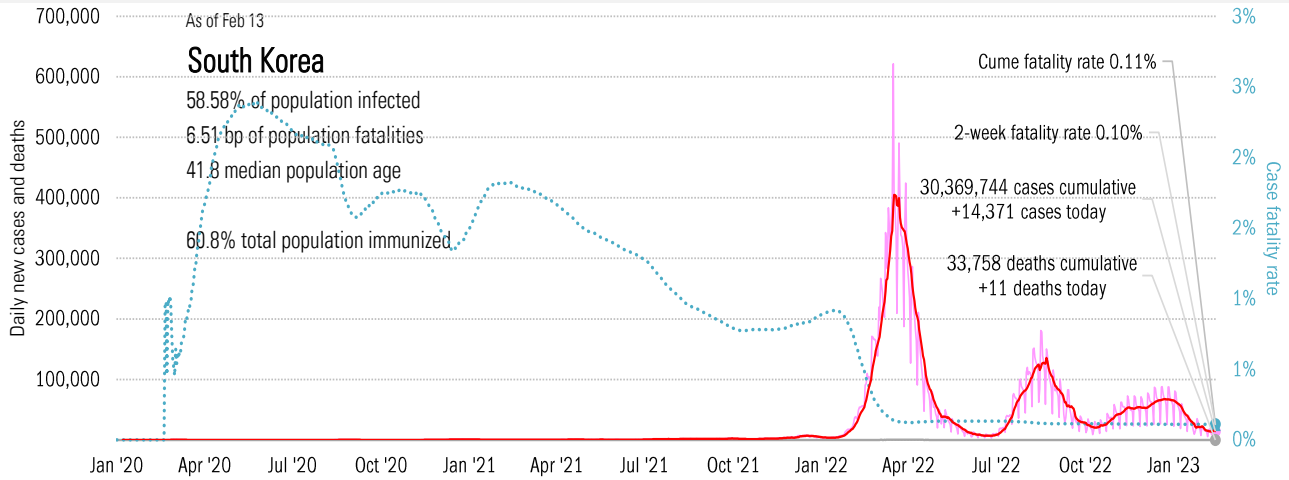
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

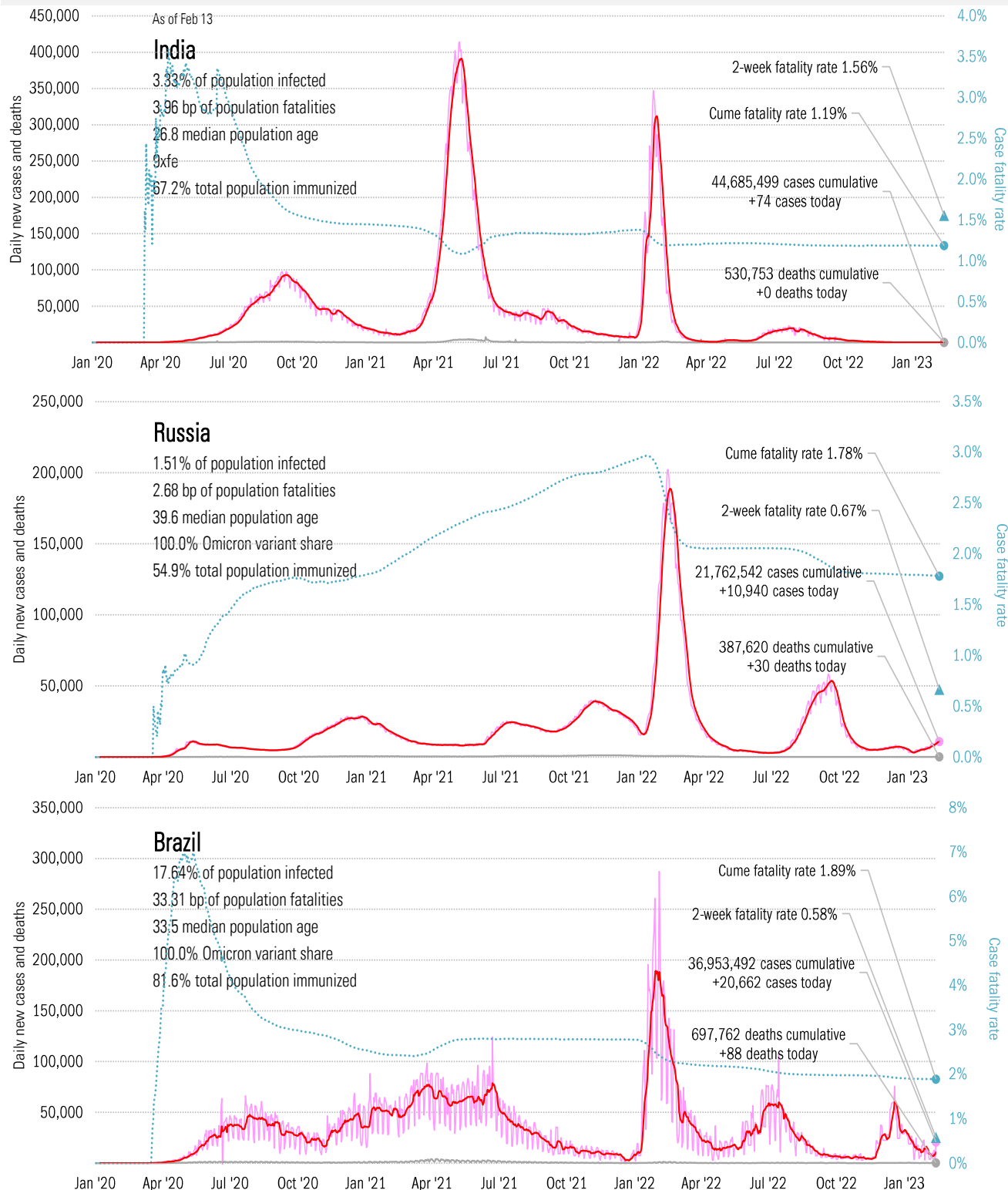
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

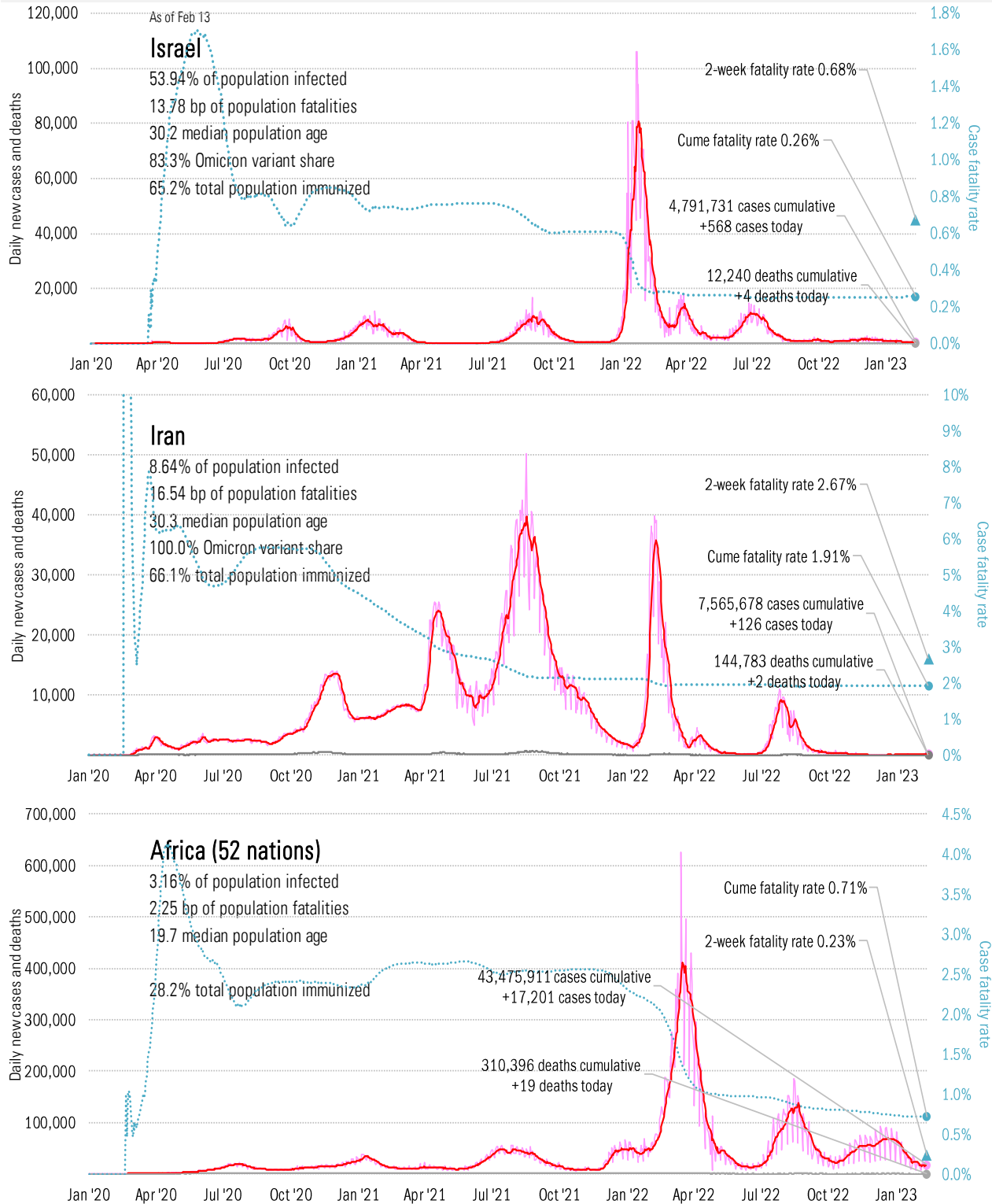
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

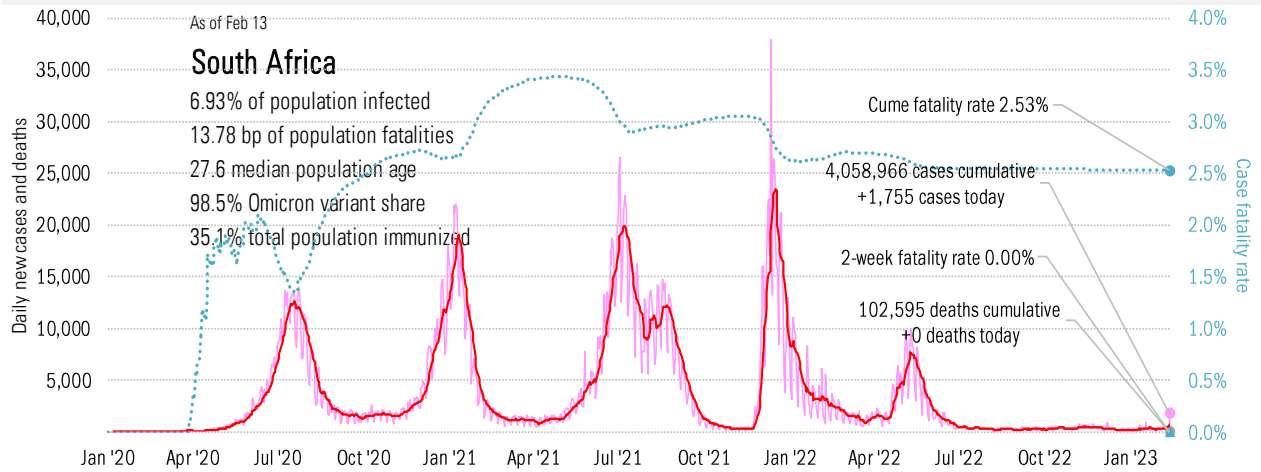
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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