

## Data Insights: Covid-2019 Monitor

Friday, February 24, 2023

### The global scorecard

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

**The worst ten countries** (see China note page 14)

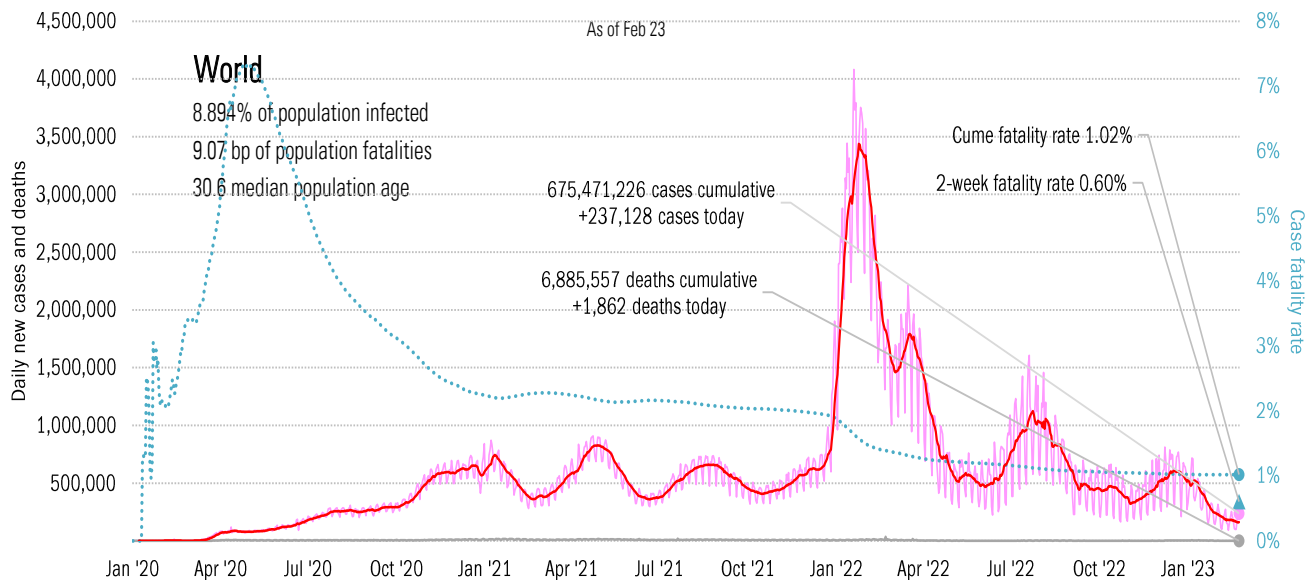
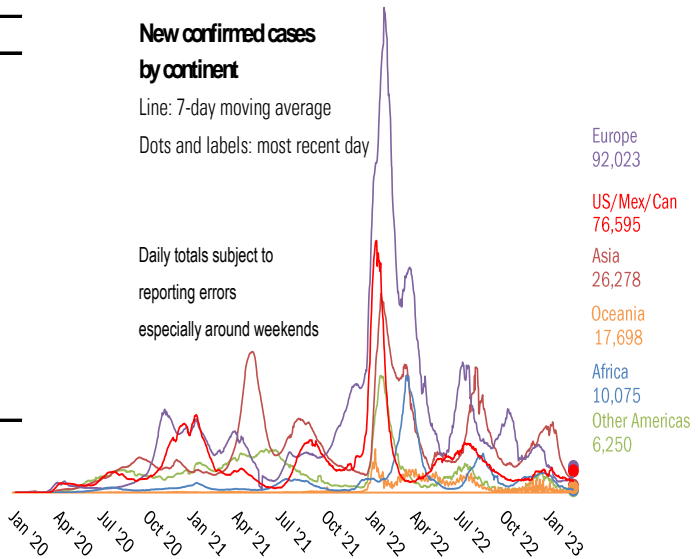
New cases		New Deaths	
United States	42,105	United States	402
Italy	28,347	Japan	128
Germany	21,177	Germany	119
Japan	15,193	Canada	105
Russia	14,639	Australia	63
Brazil	11,616	Brazil	57
Korea, South	10,051	Belgium	54
Belgium	9,382	Mexico	53
China	8,847	Italy	43
Mexico	8,085	Russia	37
<b>169,442</b>		<b>1,061</b>	
World	237,128	World	1,862
Top ten	71%	Top ten	57%

**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

### For more information contact us:

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# The US scorecard

Cases: 7-day average and daily Deaths: Daily

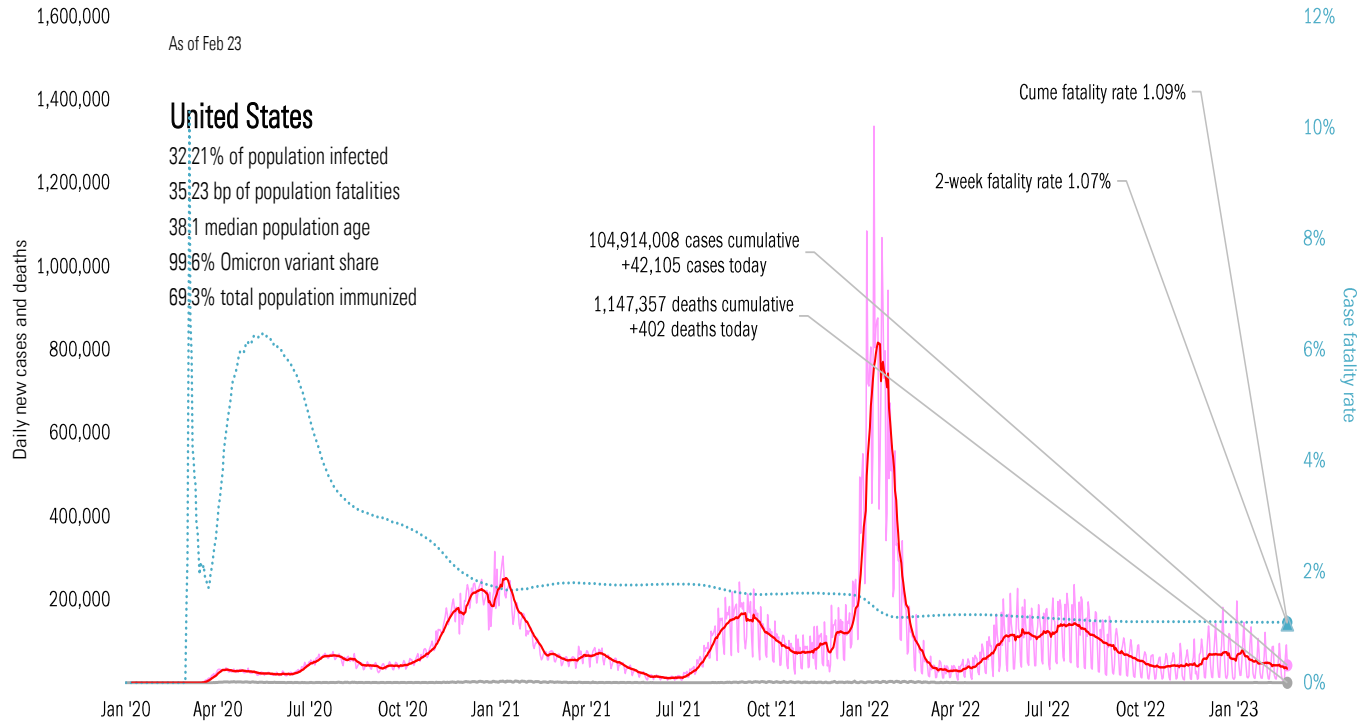
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use									
MA	5,080		FL	83		CA	452		CA	12,080,387		CA	100,816		TX	588,691		RI	89%	TX	88%								
FL	4,721		NE	52		CO	54		TX	8,432,804		TX	93,156		CA	567,235		MA	87%	VT	87%								
MN	3,257		NY	44		MI	113		FL	7,516,906		FL	86,294		FL	532,637		WV	85%	WV	86%								
NY	2,775		CA	33		MT	25		NY	6,773,326		NY	77,071		NY	354,285		DE	85%	AL	84%								
GA	1,748		PA	16		SC	53		IL	4,062,200		PA	50,168		CH	244,114		DC	85%	NM	83%								
IL	1,607		MA	15		FL	252		PA	3,512,137		GA	42,332		GA	242,207		MN	84%	MO	83%								
PA	1,431		MI	13		AL	57		NC	3,459,600		MI	41,957		PA	230,443		MD	84%	RI	83%								
CA	1,422		GA	12		AZ	58		CH	3,382,995		CH	41,686		IL	213,587		MO	84%	NC	81%								
NJ	1,378		WI	12		WV	33		GA	3,061,485		IL	41,379		MI	180,630		WA	83%	MA	81%								
NC	1,375		TN	10		NM	17		MI	3,049,739		NJ	35,947		NJ	163,146		AK	82%	CK	81%								
24,795			290			1,114			55,331,579			610,806			3,316,975														
All states			42,105			402			3,555			All states			104,914,008			1,147,357			6,009,608			All states		70%		67%	
Top ten			59%			72%			31%			Top ten			54%			55%			55%			Median		77%		76%	

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
TX	-13,364	TX	-14	TX	-103
AR	-1,024	AZ	-10	NY	-56
NH	-242	NH	-8	PA	-52
WI	-172	CT	-7	FR	-41
MO	-5	AL	-5	IN	-32

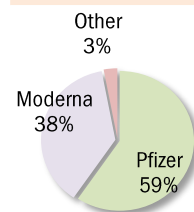


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	688,366,343		+0.087 million		US	69.3%	81.1%	
			Of which boosters: +0.057 million		UK	75.2%	79.7%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.4%	80.6%
Total population	277,898,222	83%	236,838,532	71%	+0.012 million	Spain	85.6%	86.9%
Age 12 to 17	18,482,537	73%	15,816,171	63%	+0.001 million	Germany	76.2%	77.8%
Age 18 to 64	184,737,782	91%	156,964,732	77%	+0.007 million	Italy	81.2%	86.2%
Age 65 and over	61,102,011	100%	53,519,329	98%	+0.002 million	Australia	82.7%	85.0%
						Israel	65.2%	71.2%
						Canada	82.6%	90.4%
						Japan	83.4%	84.4%
						Africa	29.3%	35.4%
						India	67.2%	72.5%
						Brazil	81.7%	87.9%
						China	89.5%	91.9%



AK	73.0%
	65.1%

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

Best
Middle
Worst

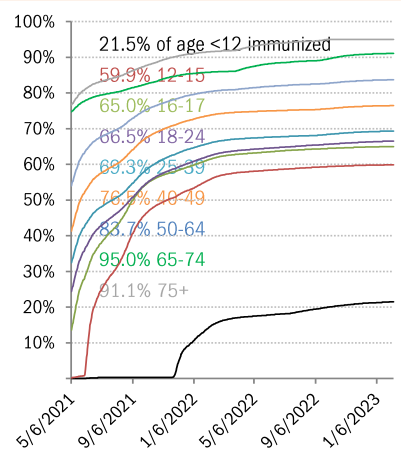
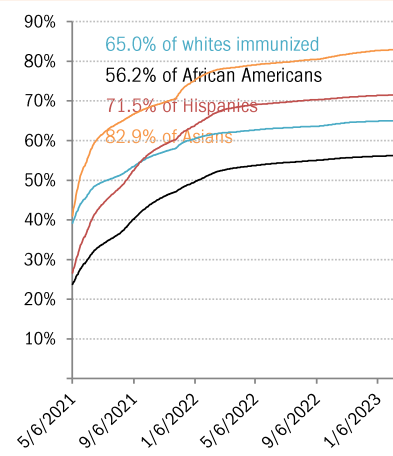
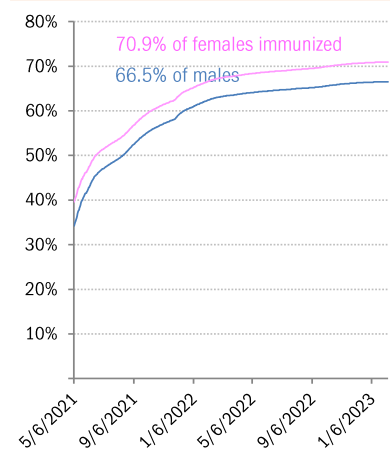
\*Immunity\* = two doses

As of Feb 24

Global data differs due to sources, timing

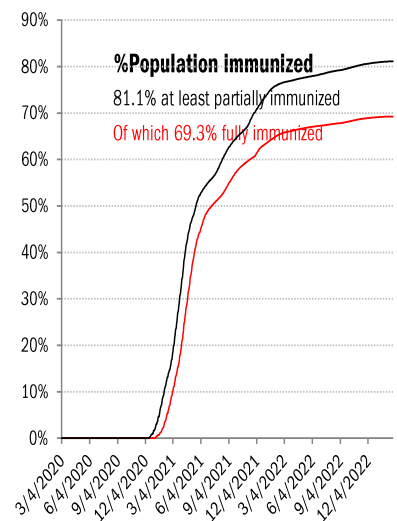
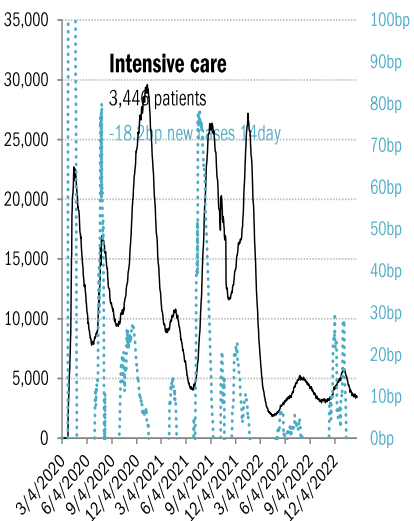
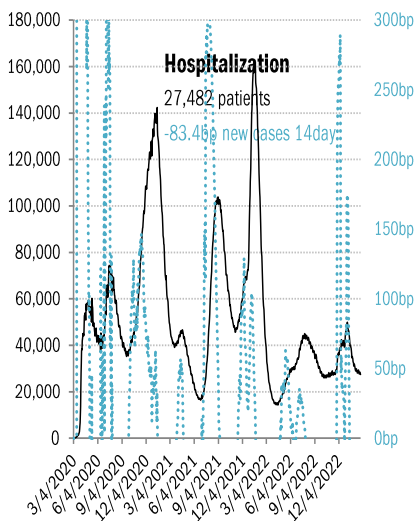
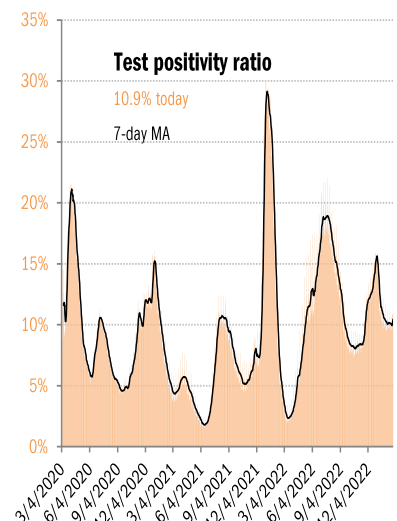
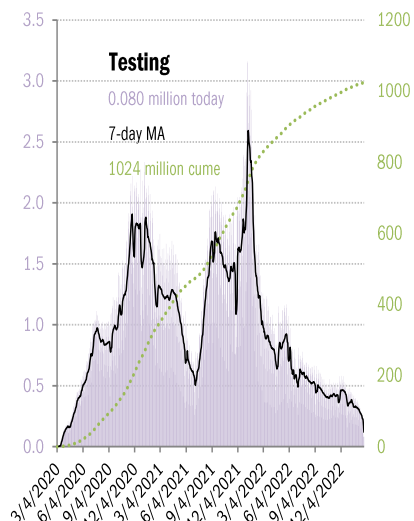
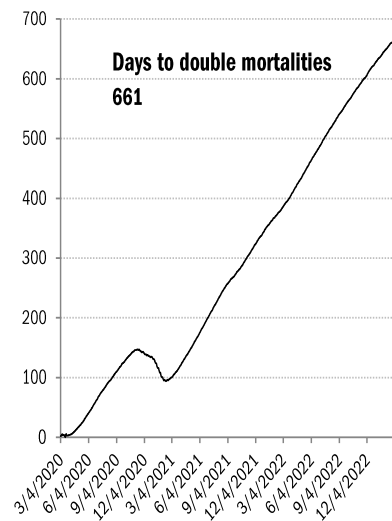
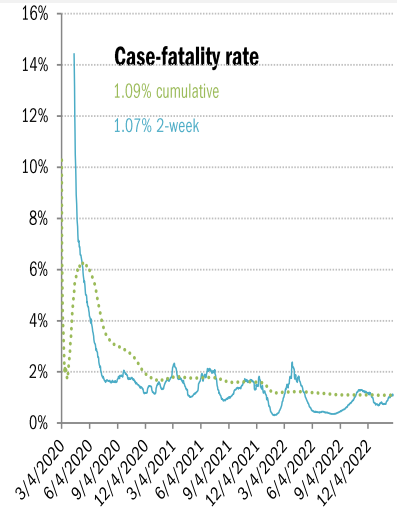
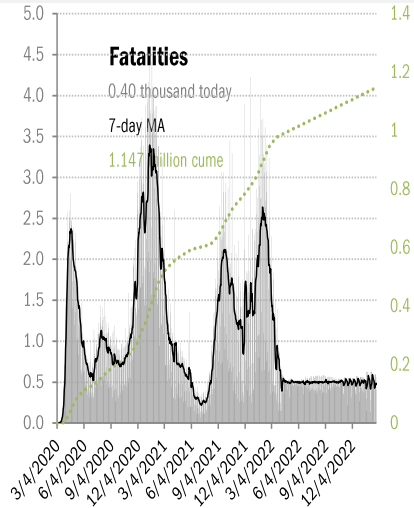
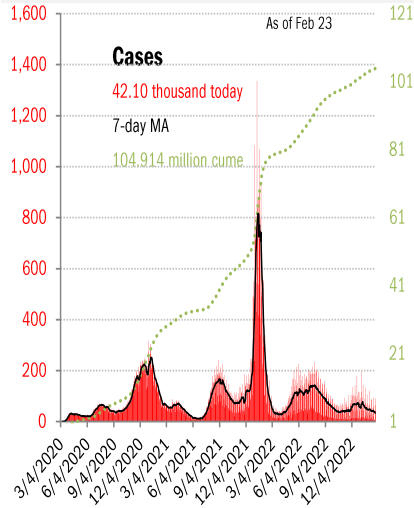
					WI					ME
					75.1%					95.0%
					68.2%					83.4%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
85.3%	63.9%	68.3%	69.4%	78.8%	79.2%	69.4%		94.5%	95.0%	88.2%
76.1%	56.5%	59.2%	58.7%	72.2%	71.4%	62.3%		80.8%	85.7%	72.0%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.7%	77.6%	60.9%	83.9%	70.7%	64.4%	65.8%	90.7%	94.7%	95.0%	
72.4%	63.7%	53.0%	66.3%	64.4%	57.7%	60.5%	73.4%	79.1%	84.3%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.8%	75.3%	83.7%	73.4%	69.3%	68.9%	67.5%	91.0%	91.8%	95.0%	95.0%
74.7%	66.8%	73.5%	66.3%	59.1%	59.6%	59.7%	76.6%	79.7%	83.0%	87.7%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	77.9%	94.4%	76.2%	69.9%	64.4%	92.3%	71.0%	95.0%	88.2%	
	66.1%	75.2%	65.3%	56.9%	56.3%	67.2%	59.9%	90.5%	73.3%	
			OK	LA	MS	AL	GA			
			74.6%	62.8%	61.7%	65.0%	68.4%			
			60.5%	55.0%	53.7%	53.2%	57.3%			
			TX					FL		PR
			76.4%					82.5%		90.9%
			63.3%					69.4%		84.1%

## The demographics of US vaccination

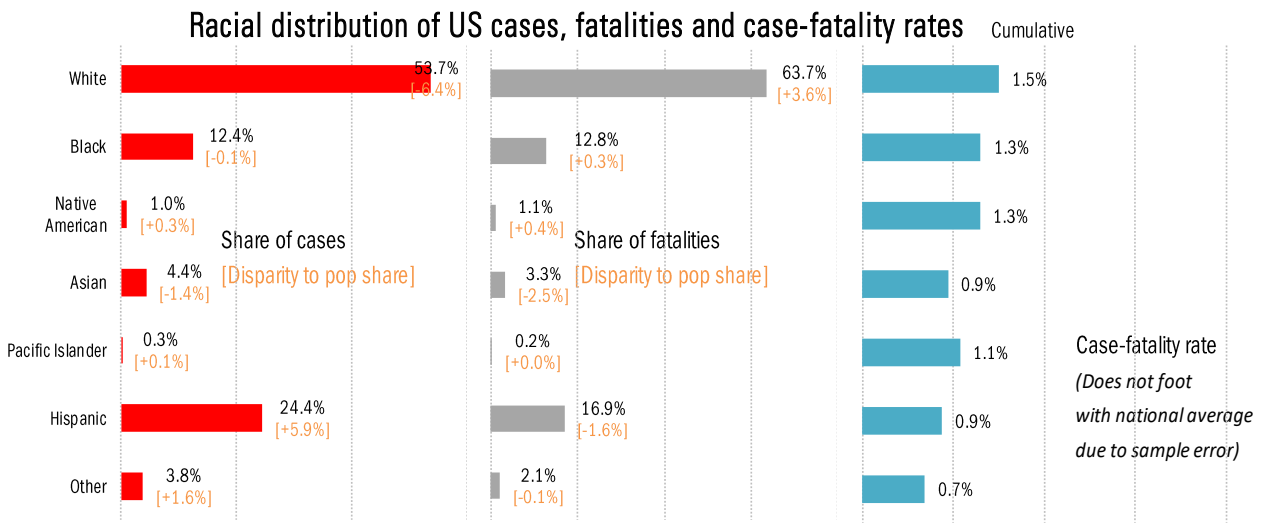
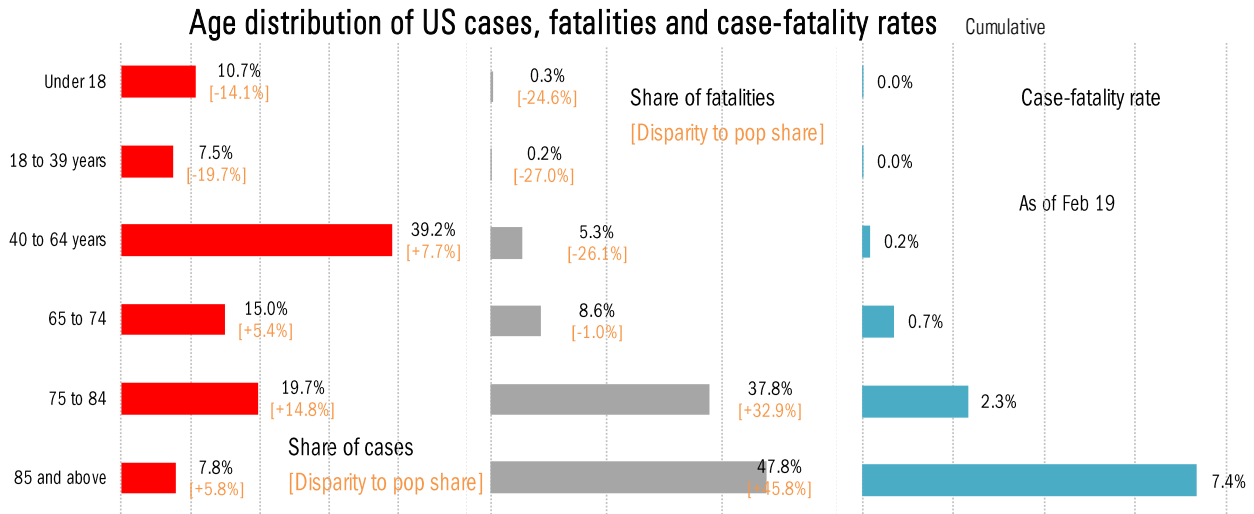


Source: CDC, CDC, Our World in Data, TrendMacro calculations

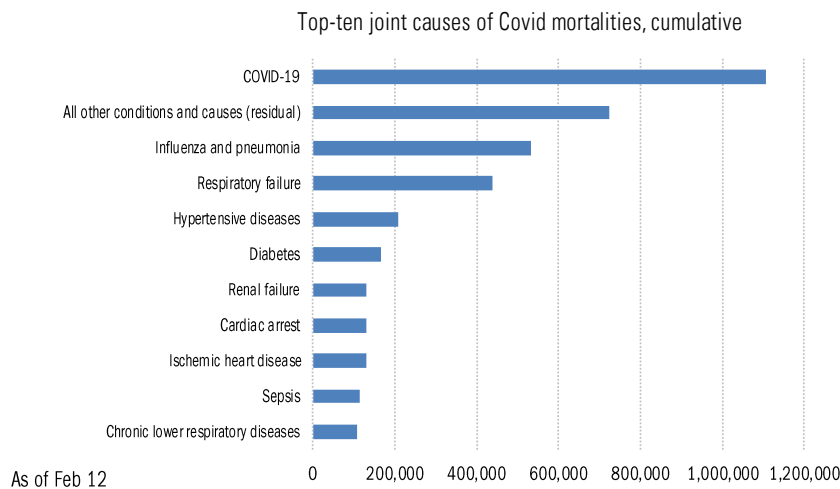
# US deep-dive



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

### [America Is Losing the 'Epic Battle' Against Bird Flu](#)

Patrick Thomas  
*Wall Street Journal*  
February 23, 2023

### [American Views 2022 Pt 2 Trust Media and Democracy](#)

*Knight Foundation*  
February 15, 2023

### [Your brain could be controlling how sick you get — and how you recover](#)

Diana Kwon  
*Nature*  
February 22, 2023

### [The Mask Mandates Did Nothing. Will Any Lessons Be Learned?](#)

Bret Stephens  
*New York Times*  
February 21, 2023

### [Your own views on what needs to happen next...](#)

Alex Berenson  
*Unreported Truths*  
February 23, 2023

## Meme of the Day

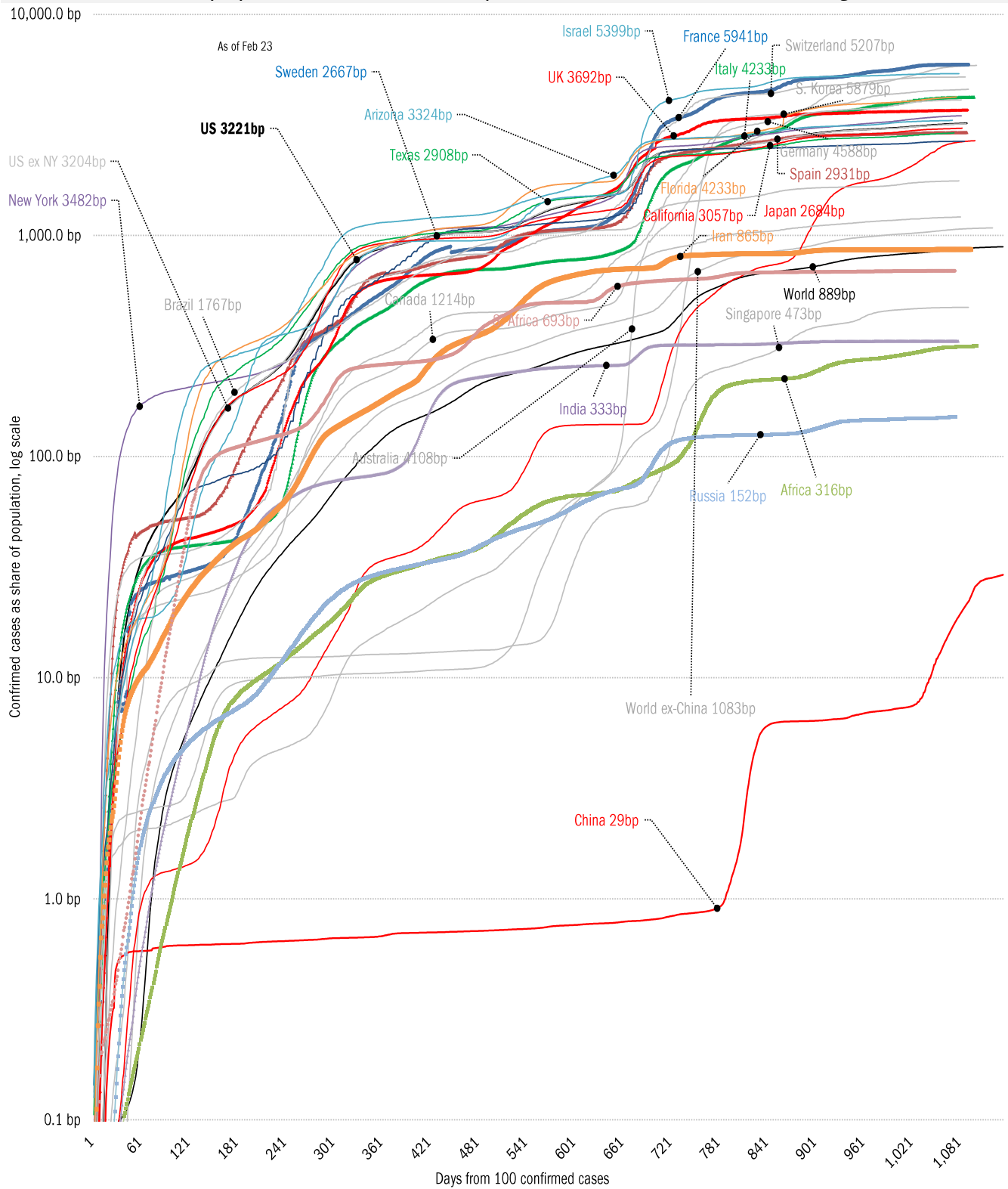


## **KUNGFU PANDAMIC**

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

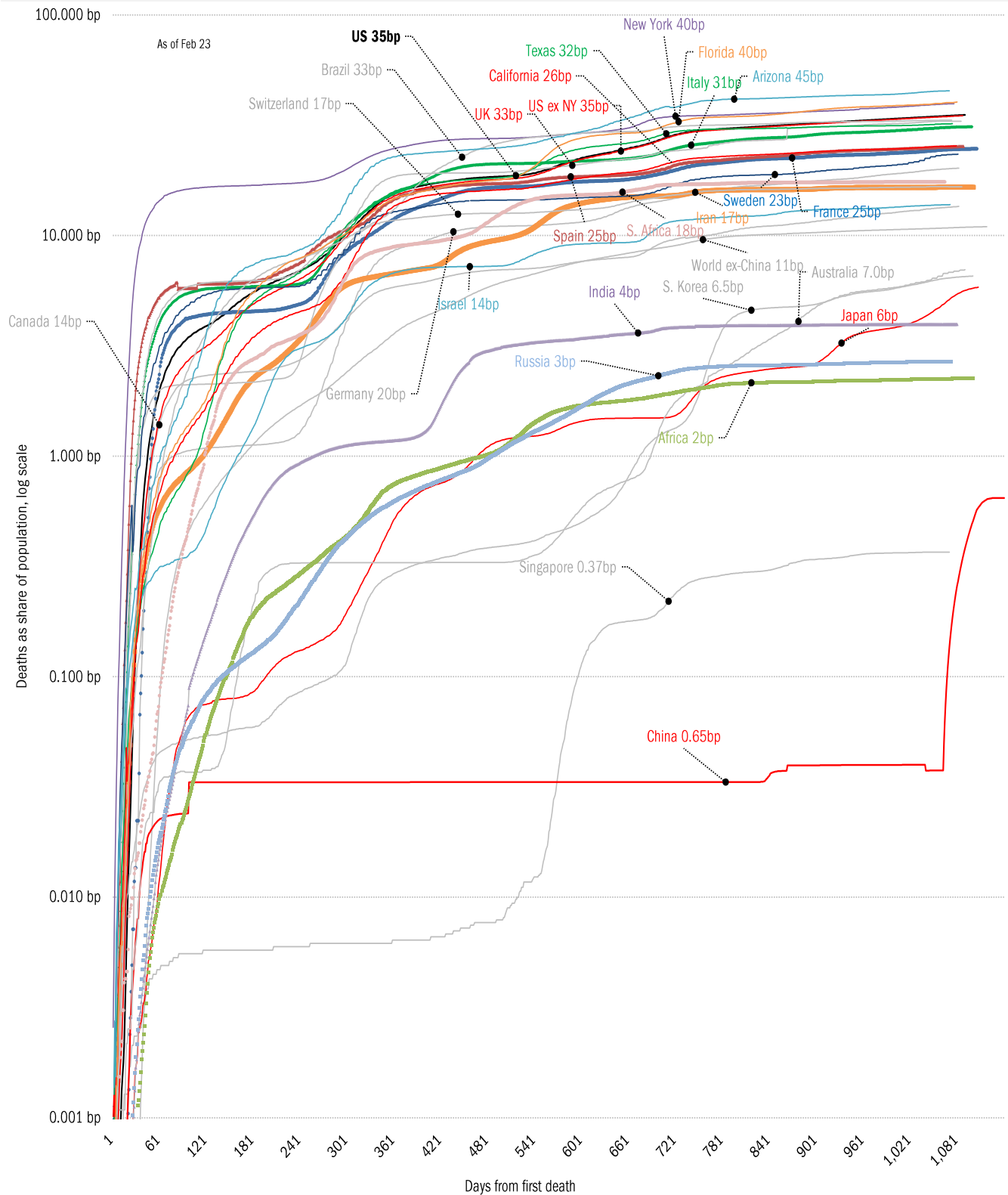
# The global coronavirus case accelerometer... tracking the world's infection curves

*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*



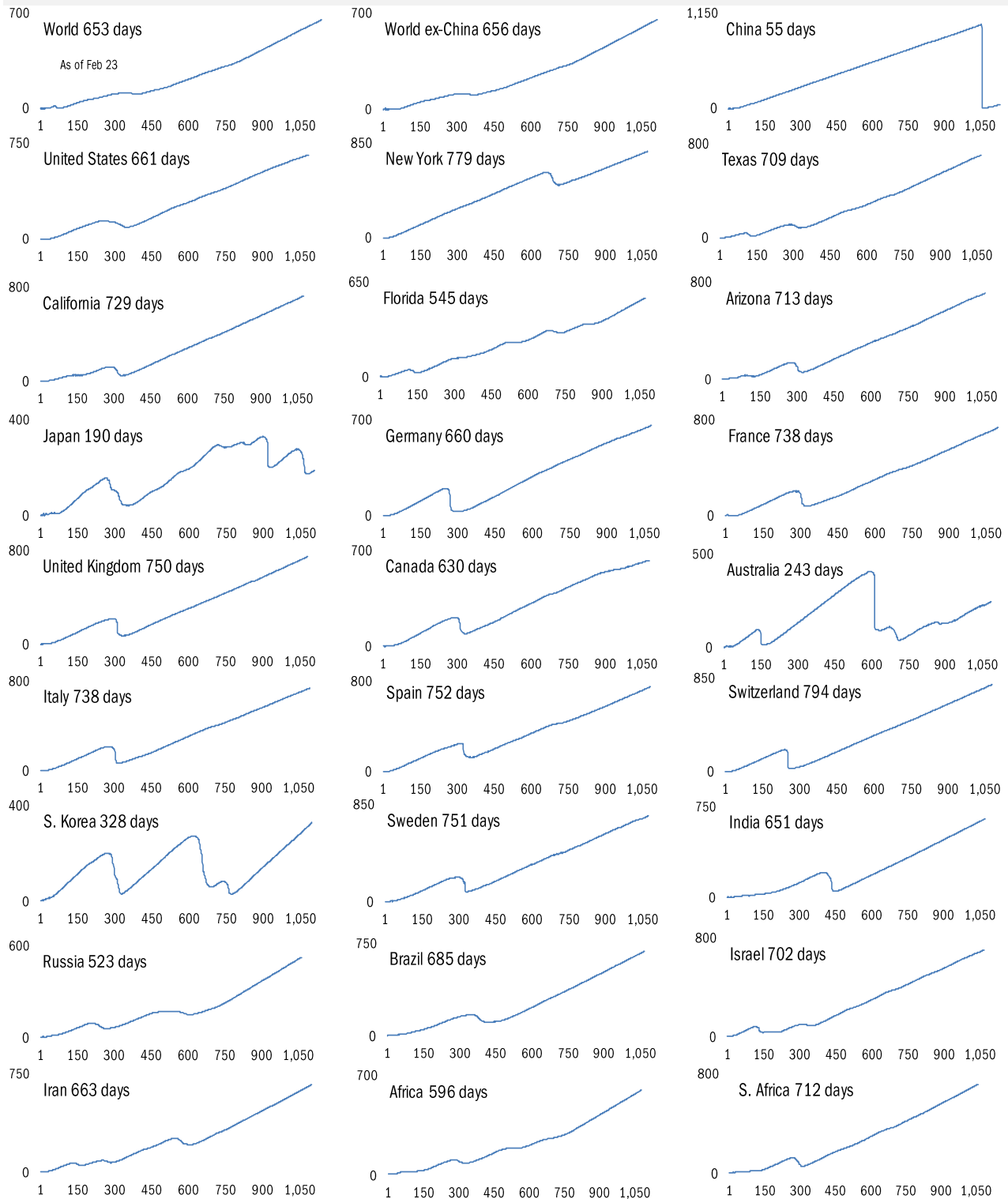
Source: [Johns Hopkins](#), TrendMacro calculations



# 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

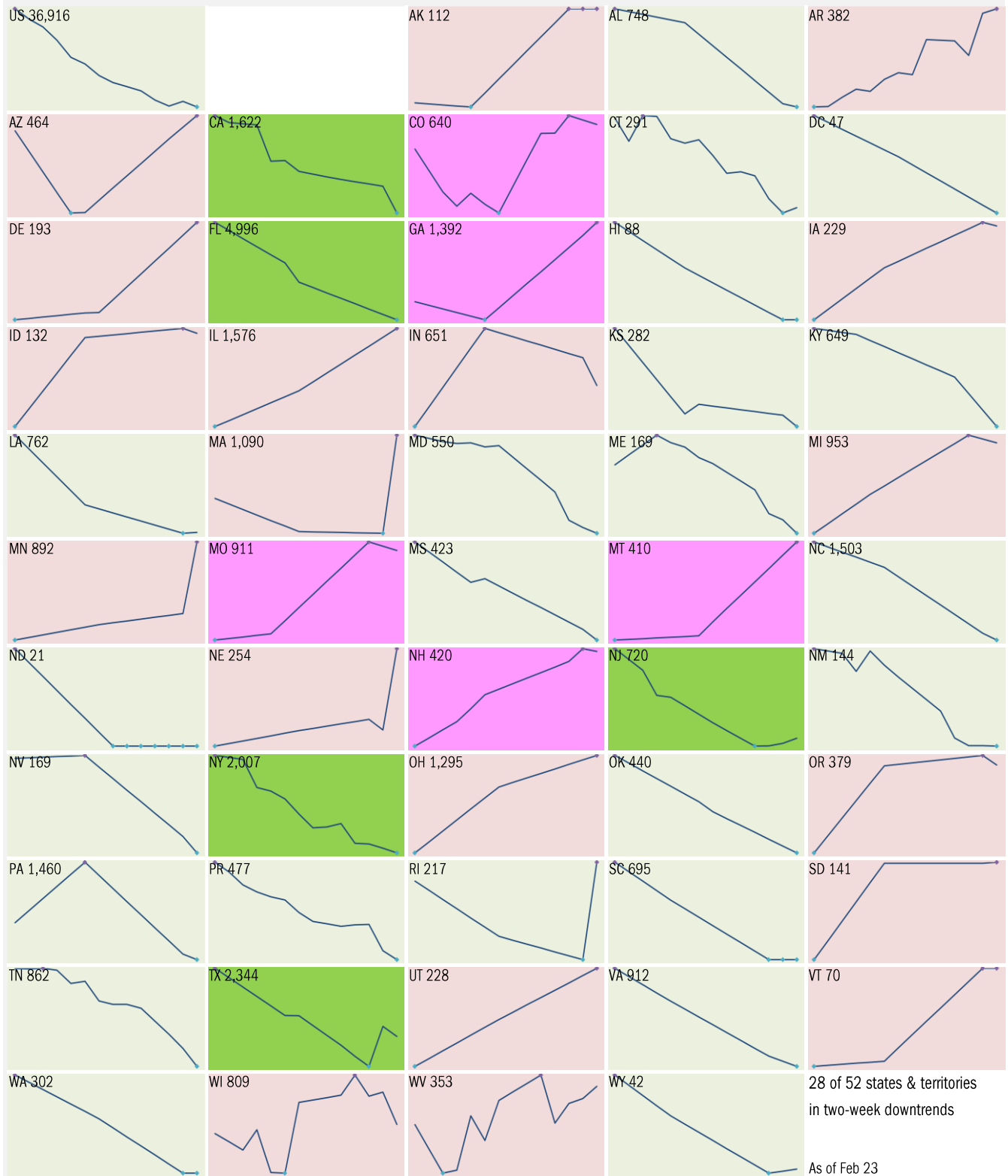


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 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

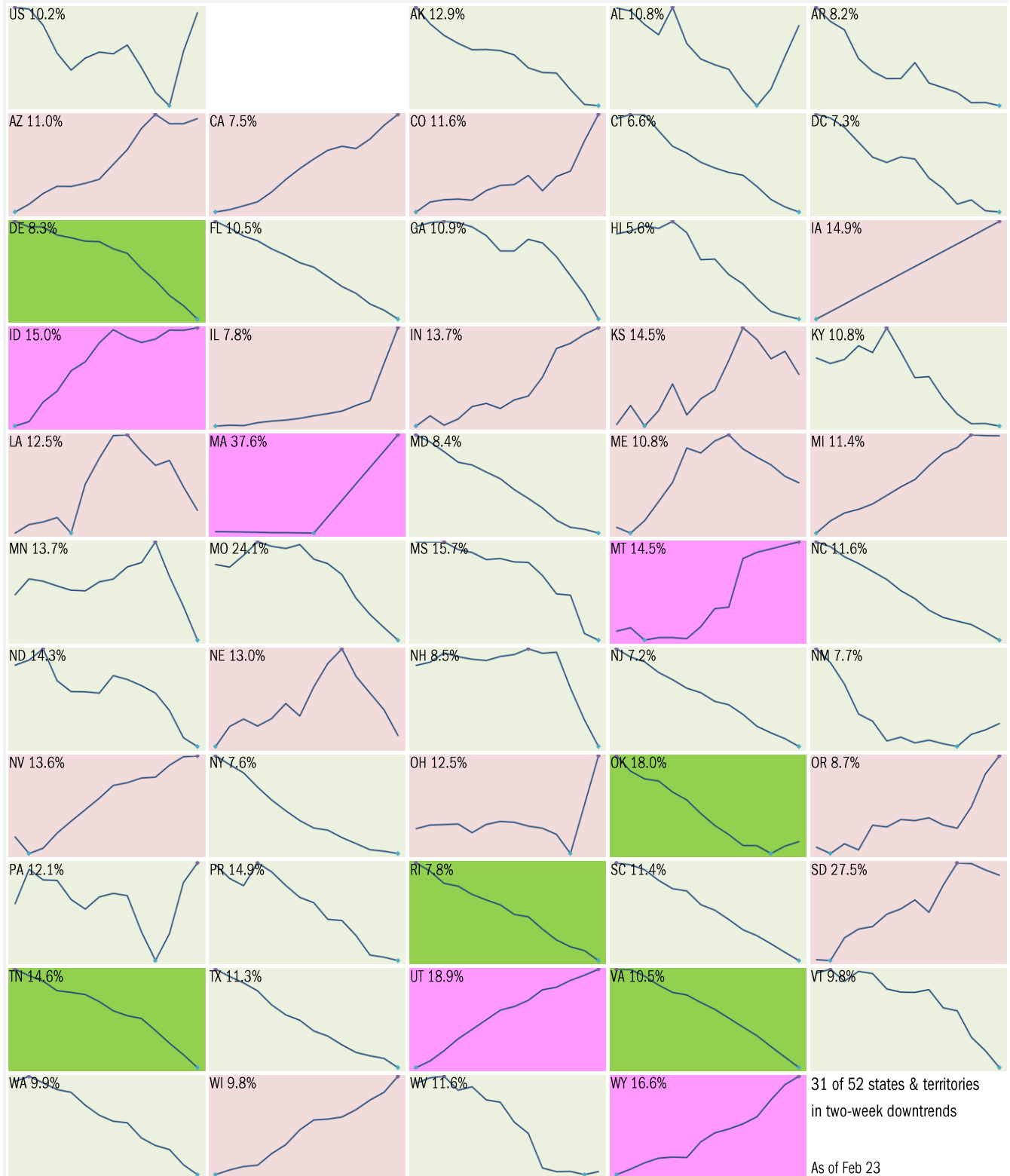


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

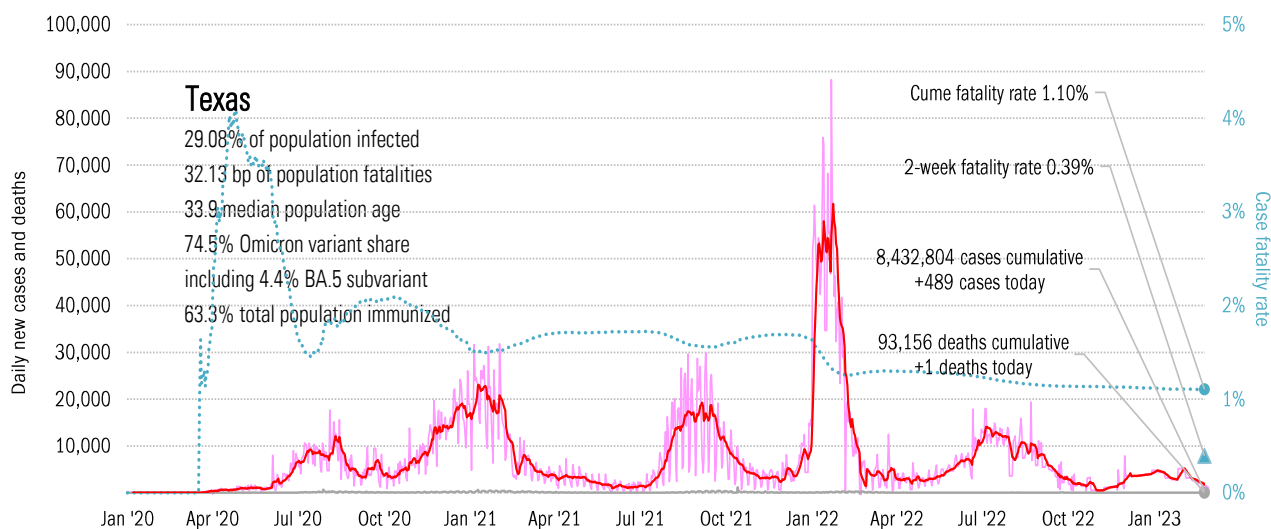
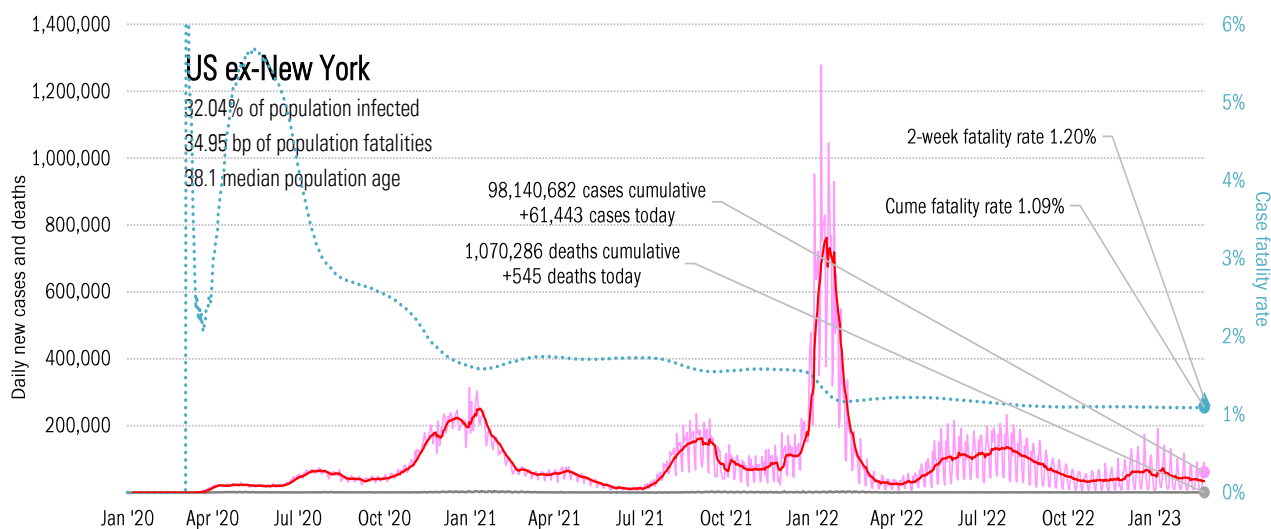
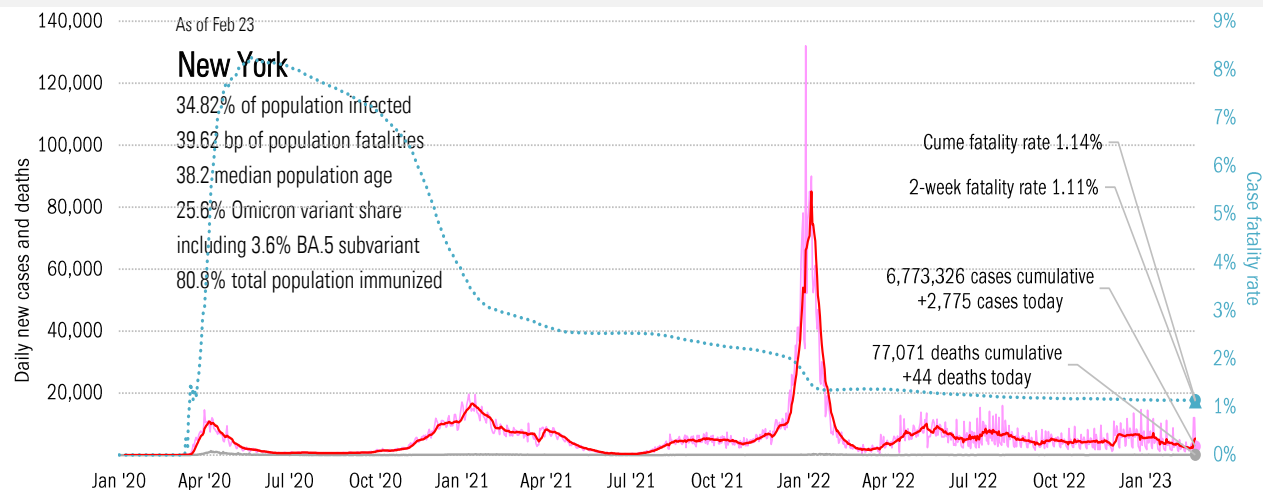
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

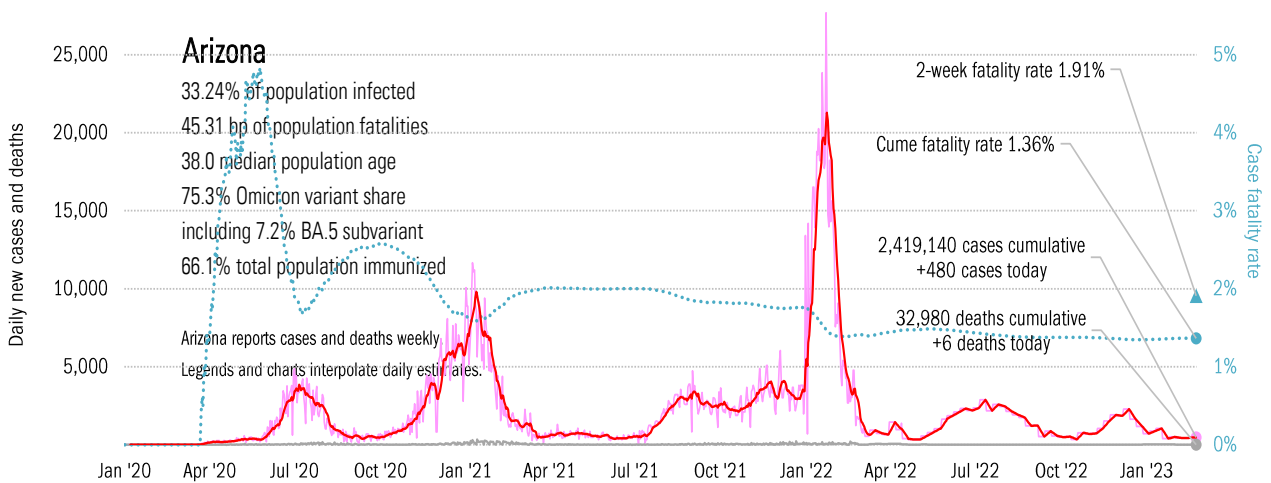
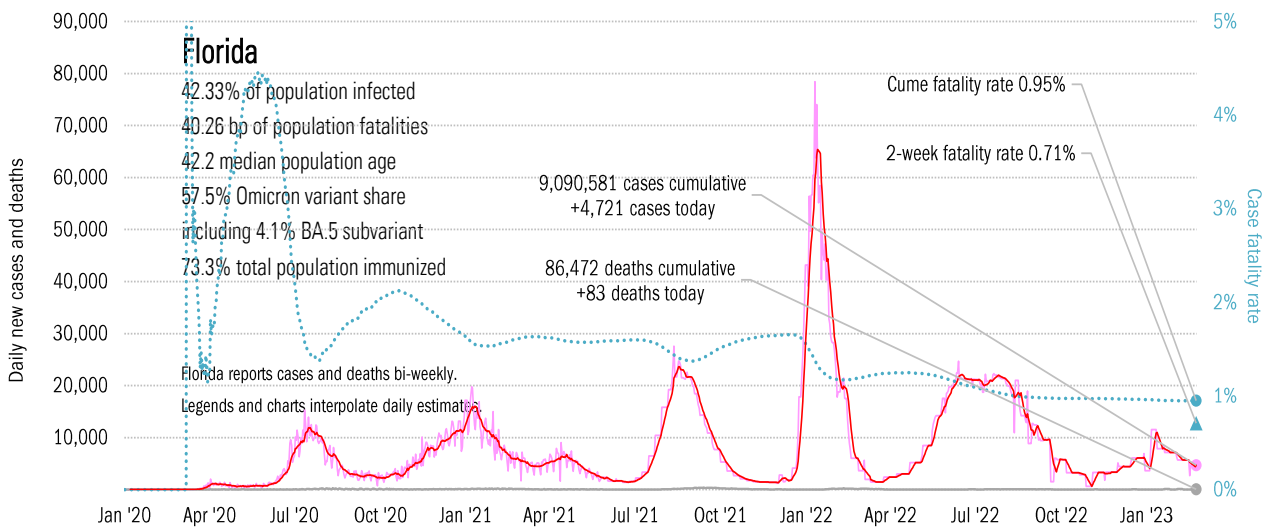
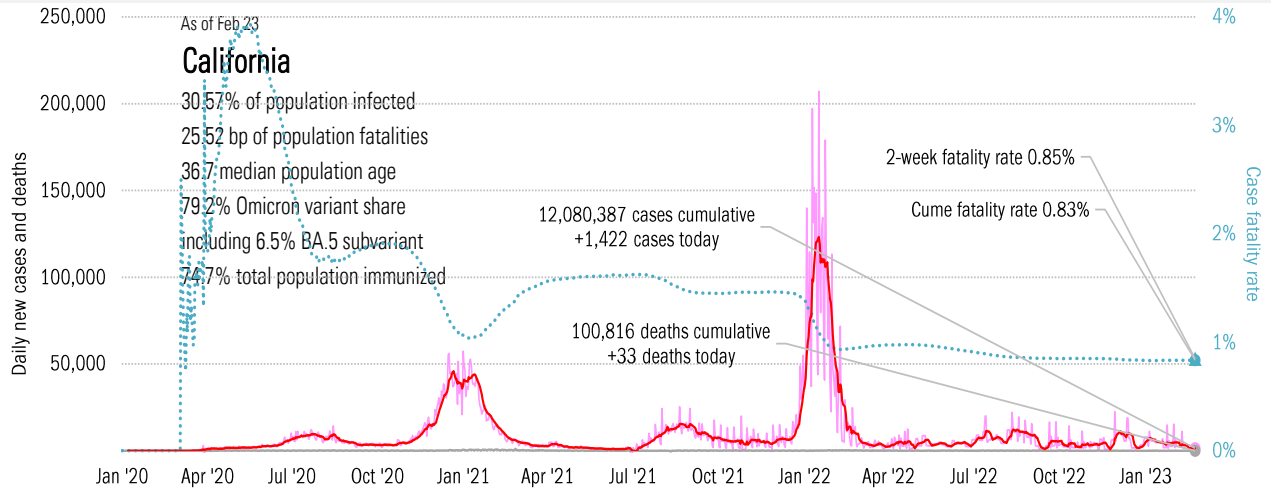
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

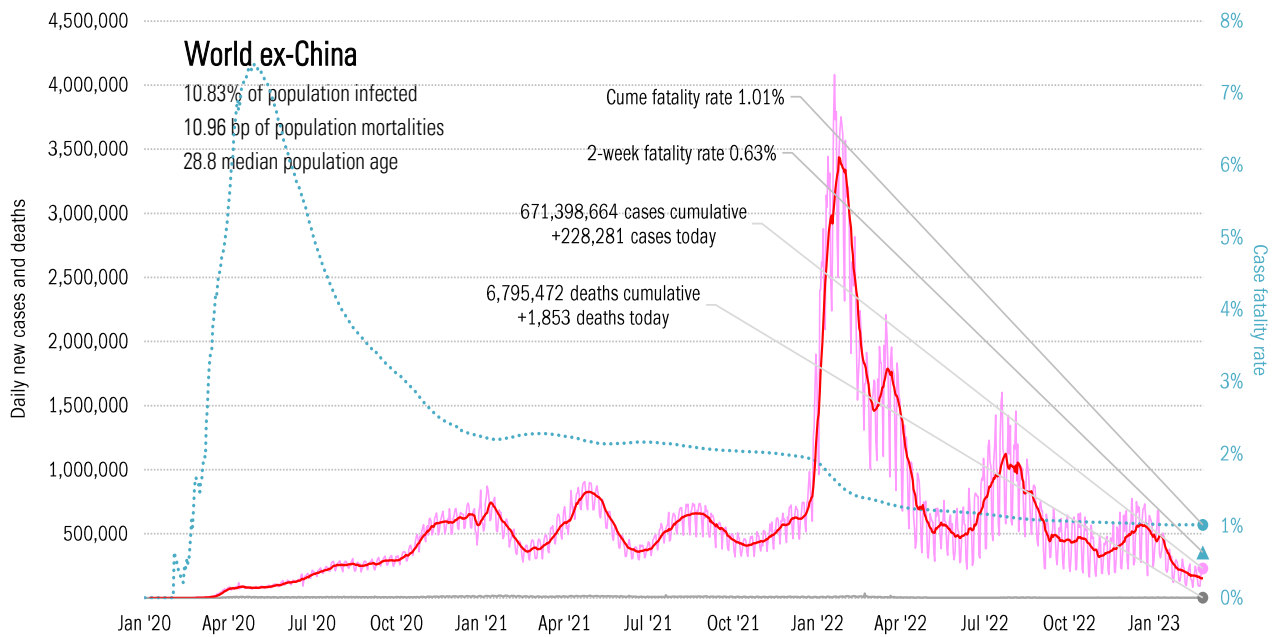
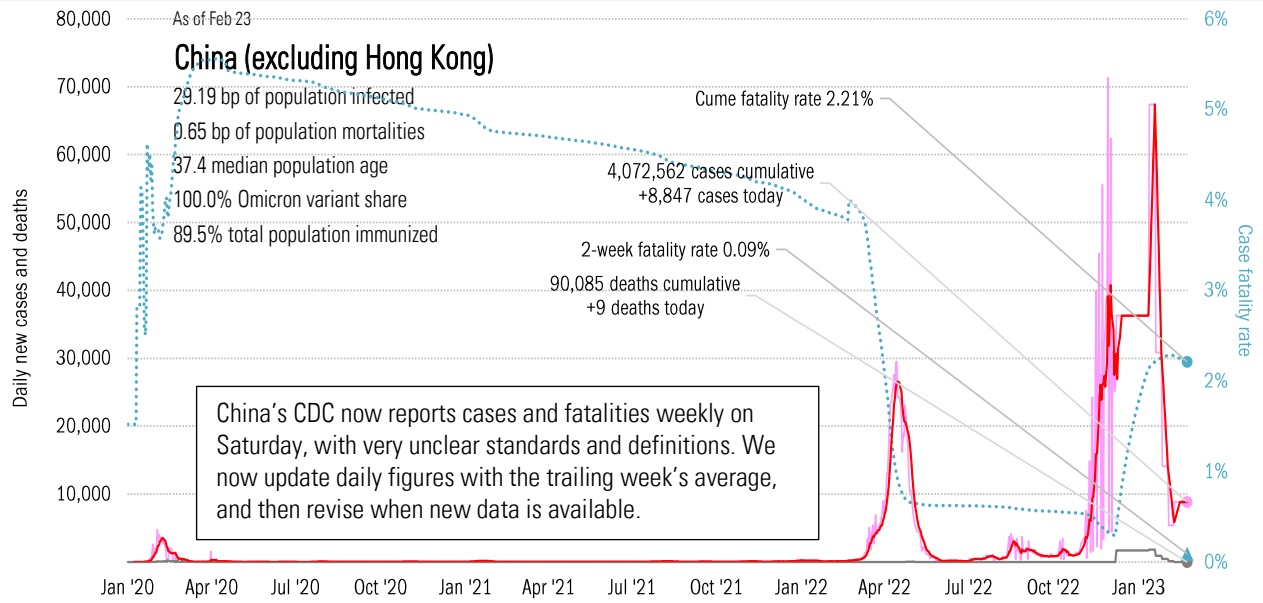
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

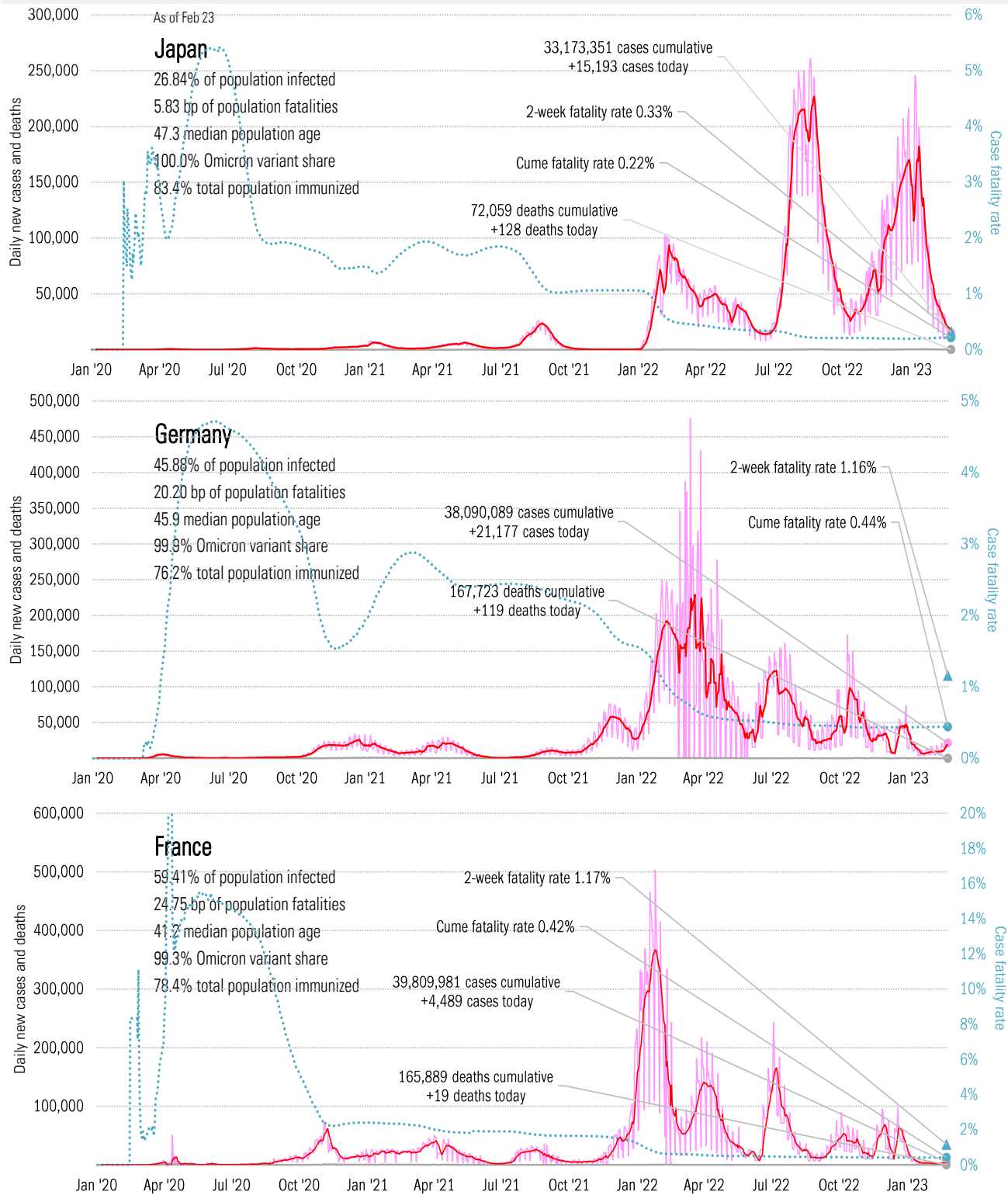
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

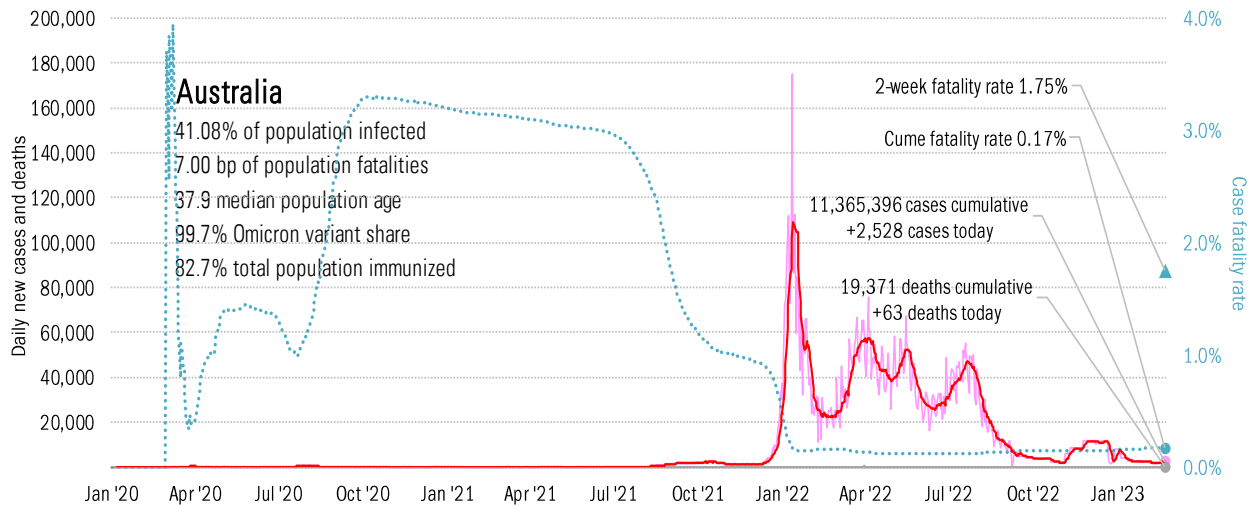
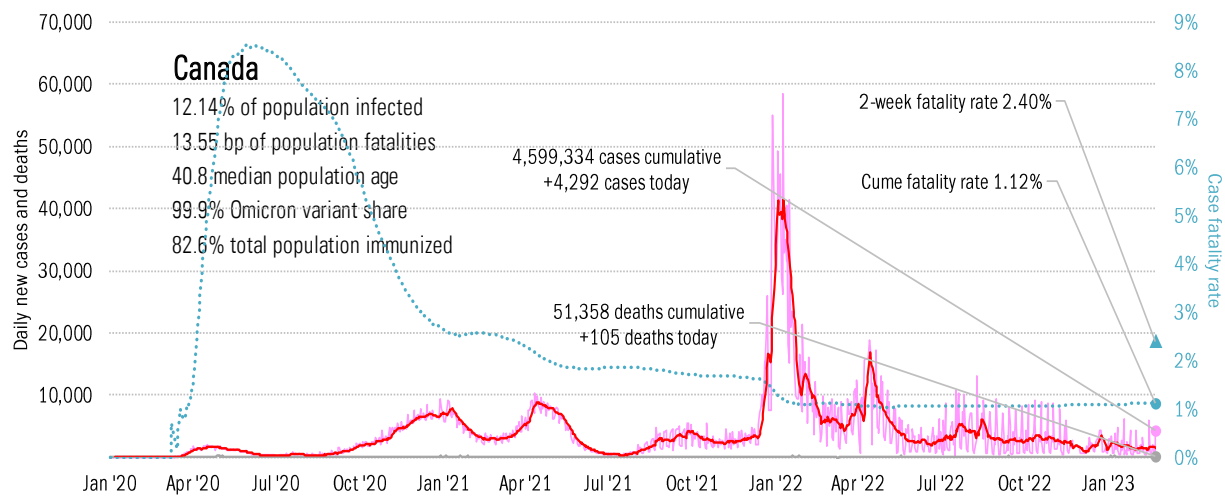
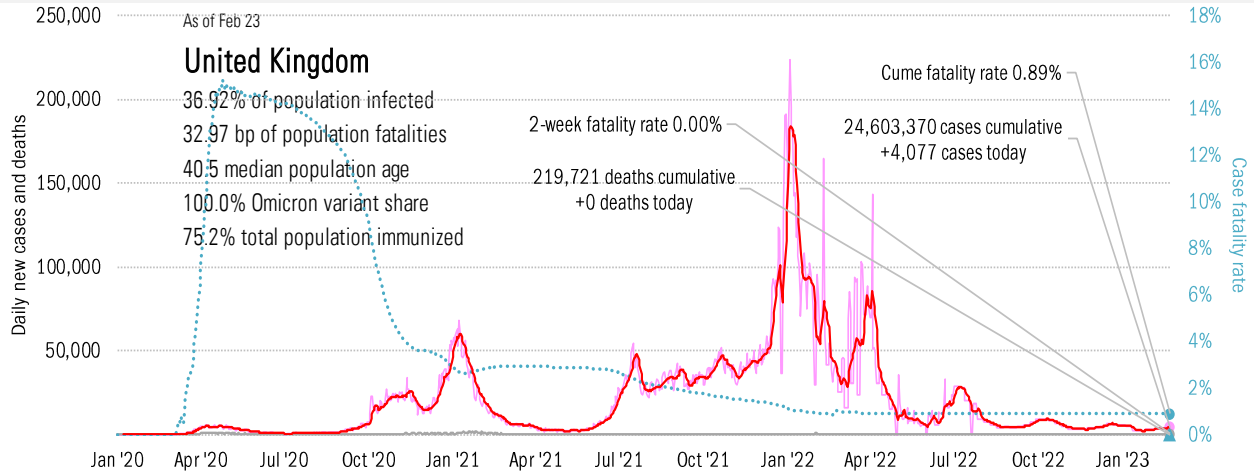
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

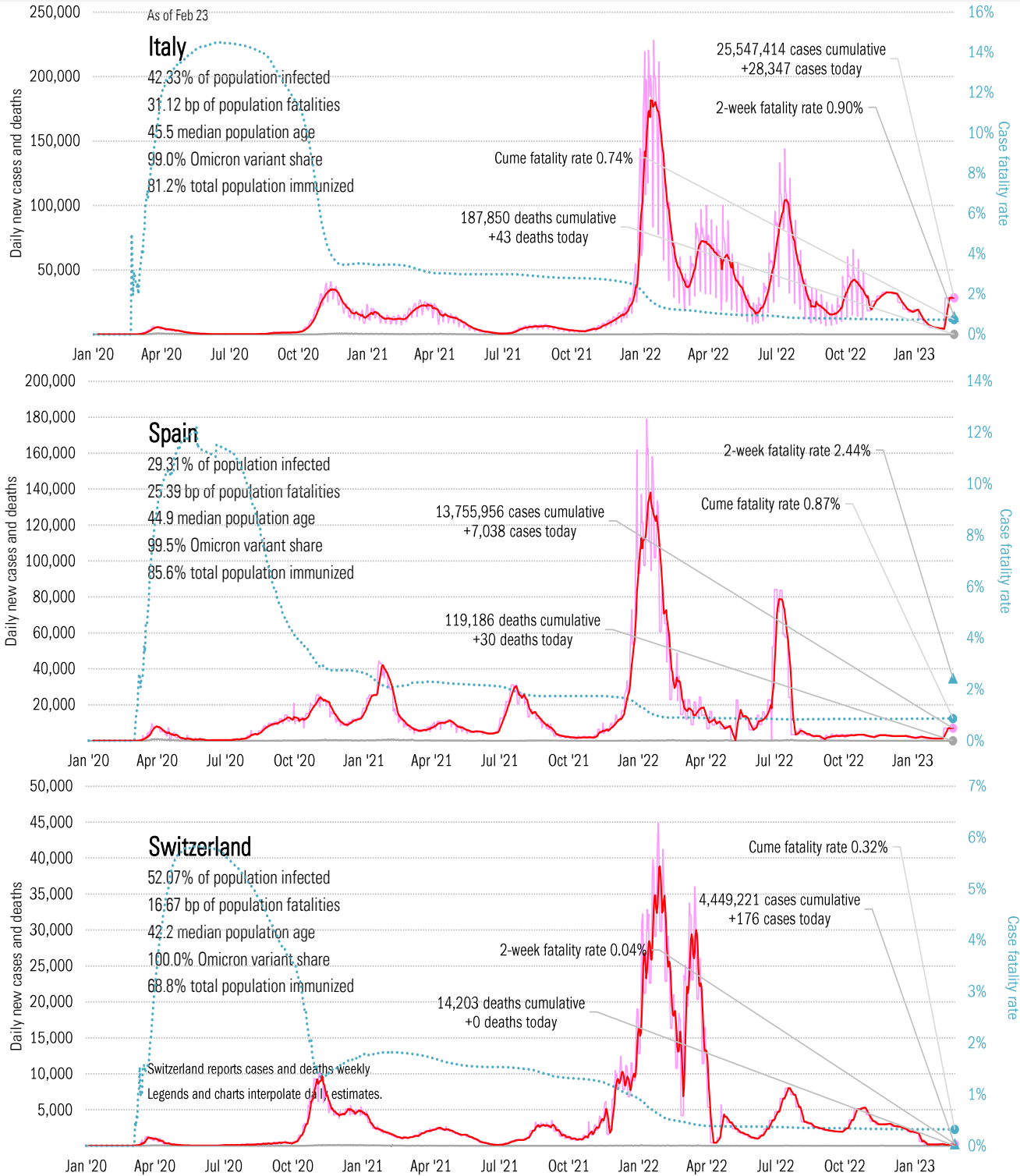


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

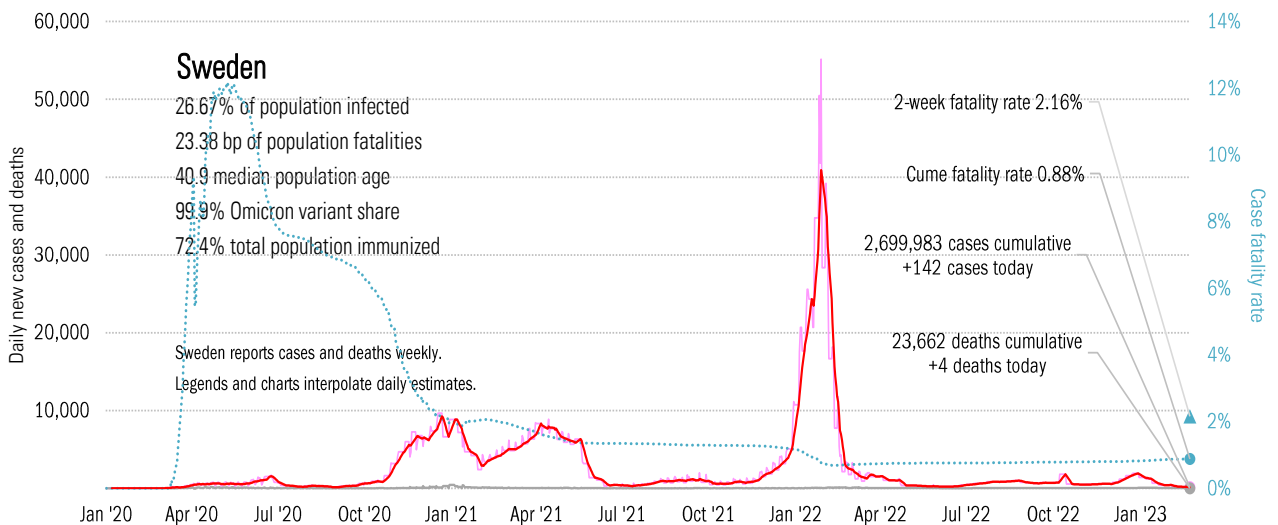
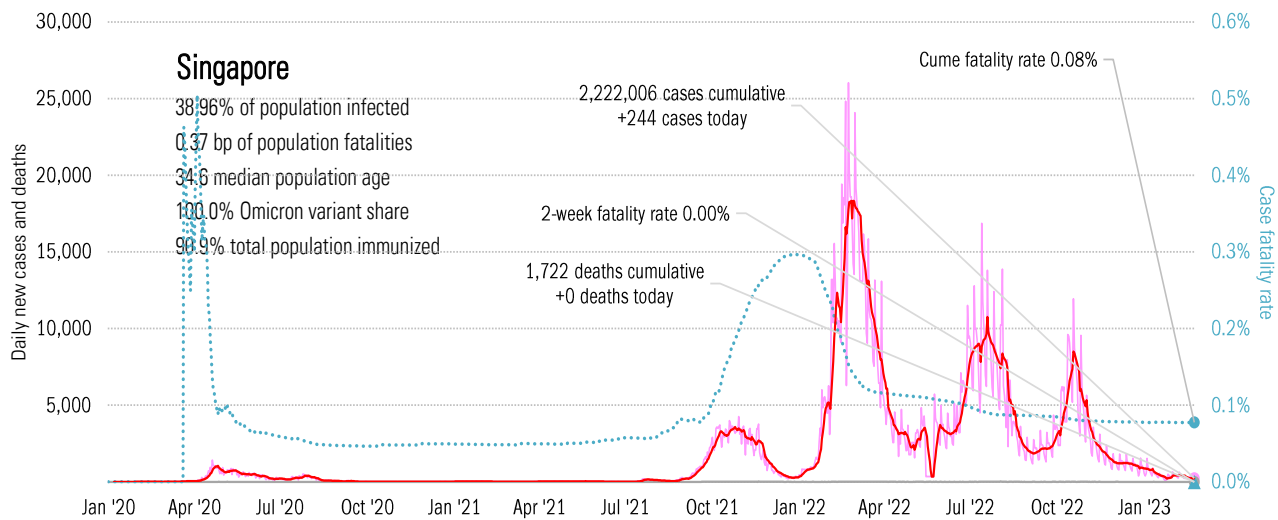
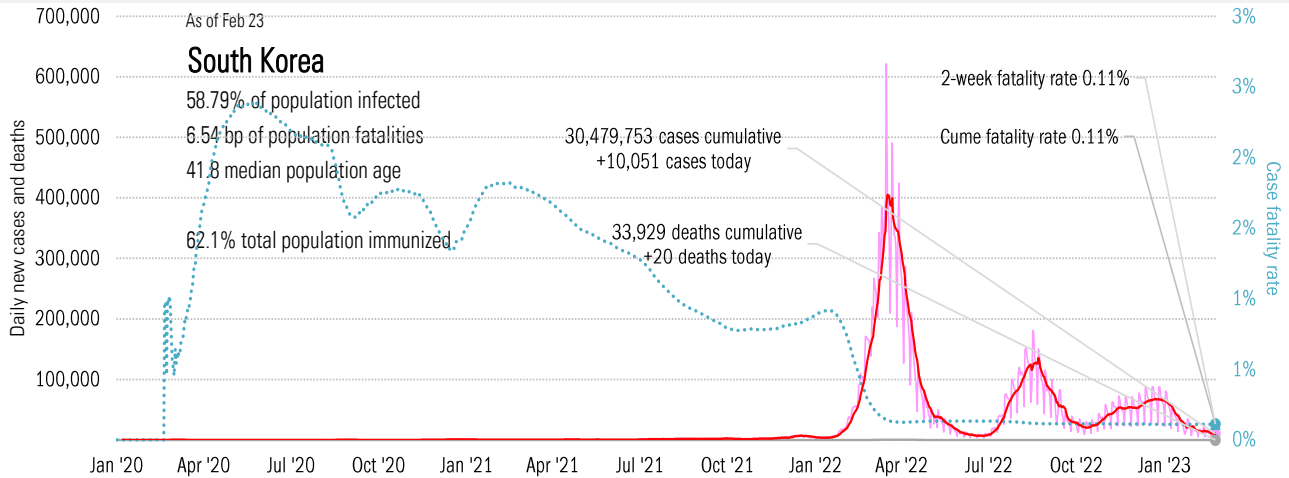
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

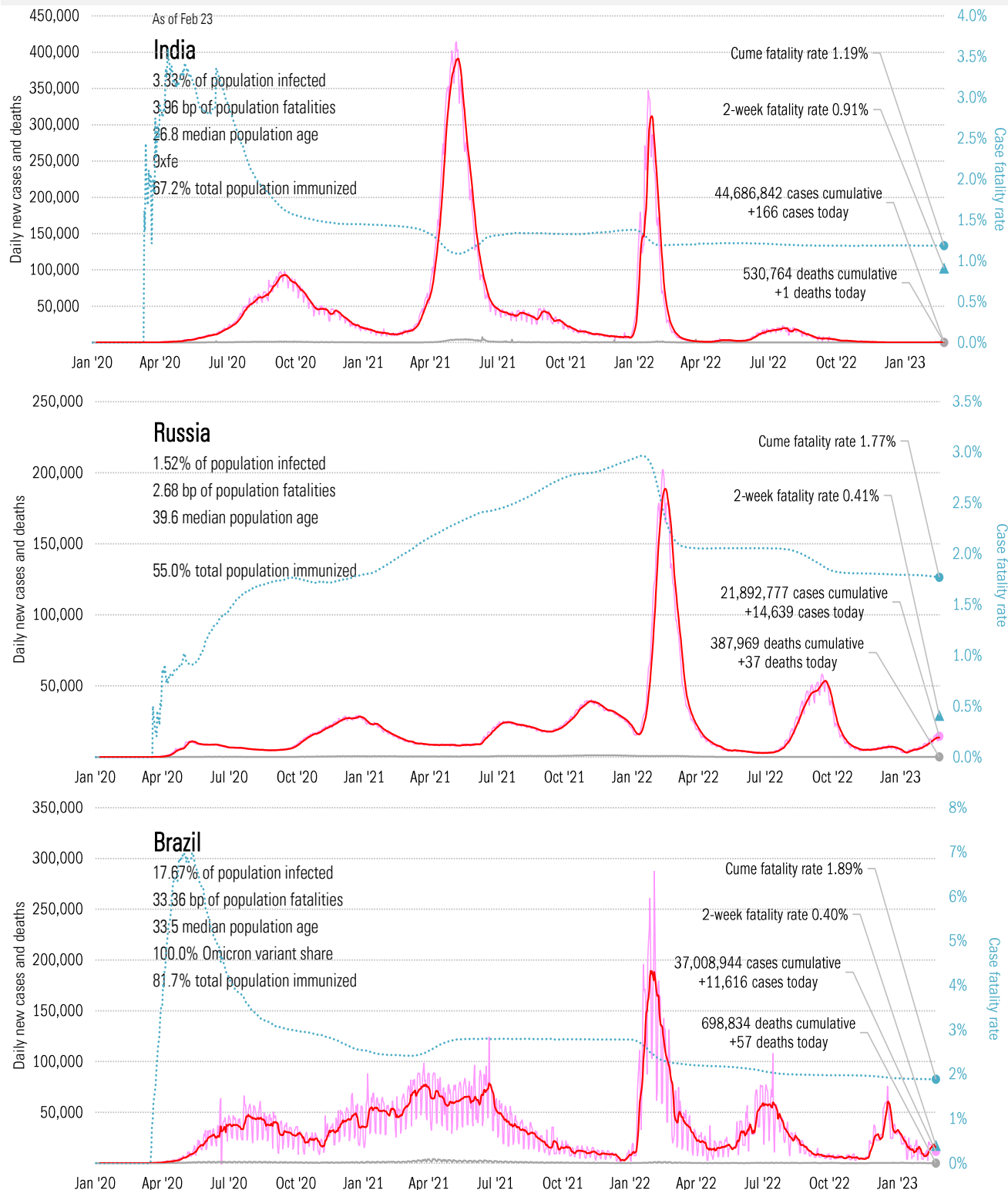
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

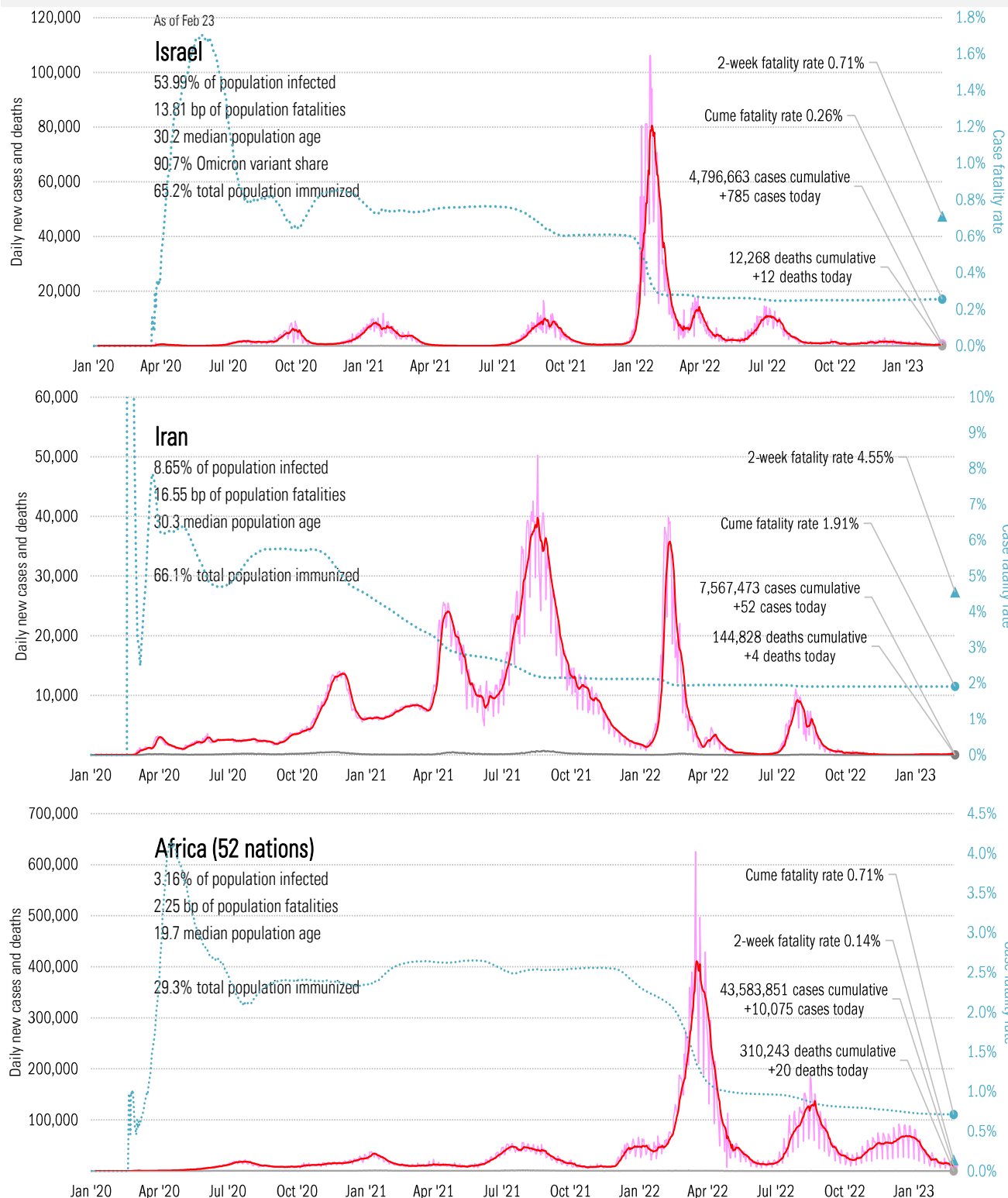
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

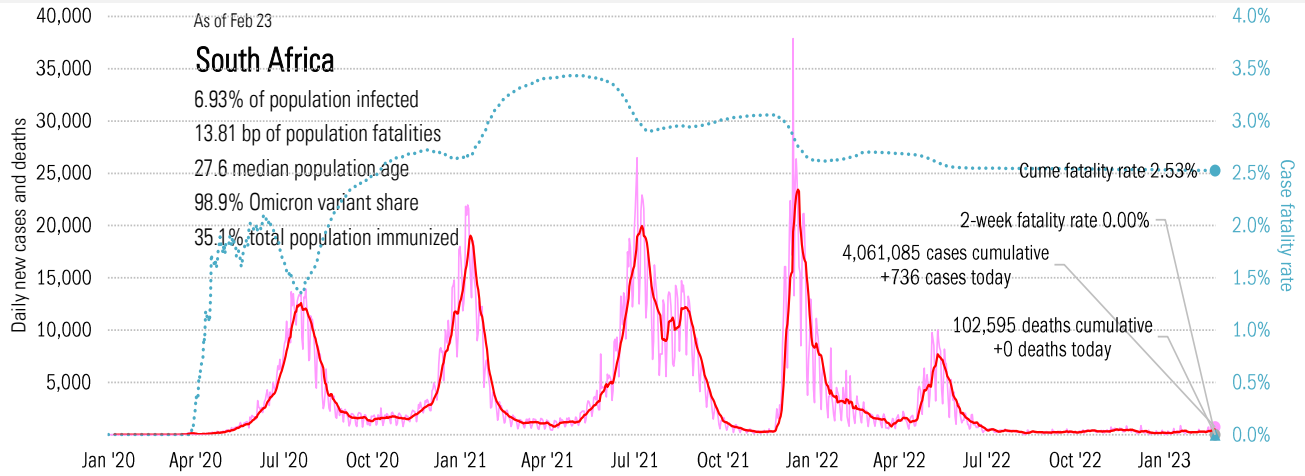
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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