

## Data Insights: Covid-2019 Monitor

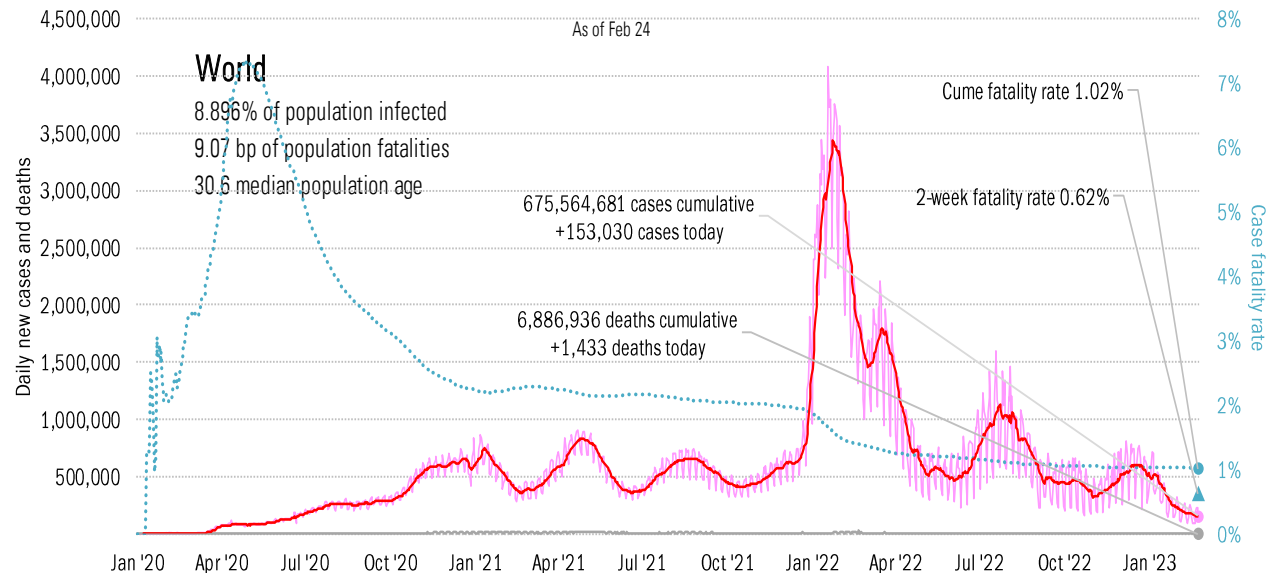
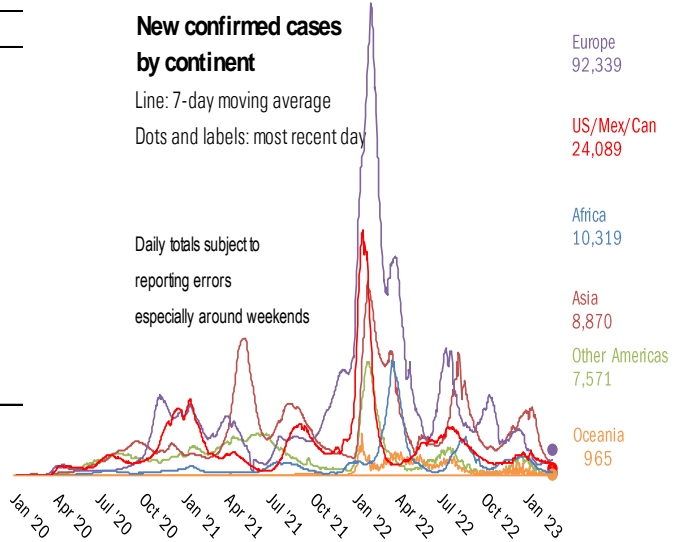
Saturday, February 25, 2023

### 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	41,278	United States	402
Germany	20,974	Japan	128
Russia	13,697	Germany	119
Brazil	11,587	Canada	105
Korea, South	9,913	Australia	63
Japan	6,512	Brazil	57
Austria	6,345	Belgium	54
Italy	4,205	Mexico	53
United Kingdom	4,077	Italy	43
France	3,917	Russia	37
<b>122,506</b>		<b>1,061</b>	
World	153,030	World	1,433
Top ten	80%	Top ten	57%



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

### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

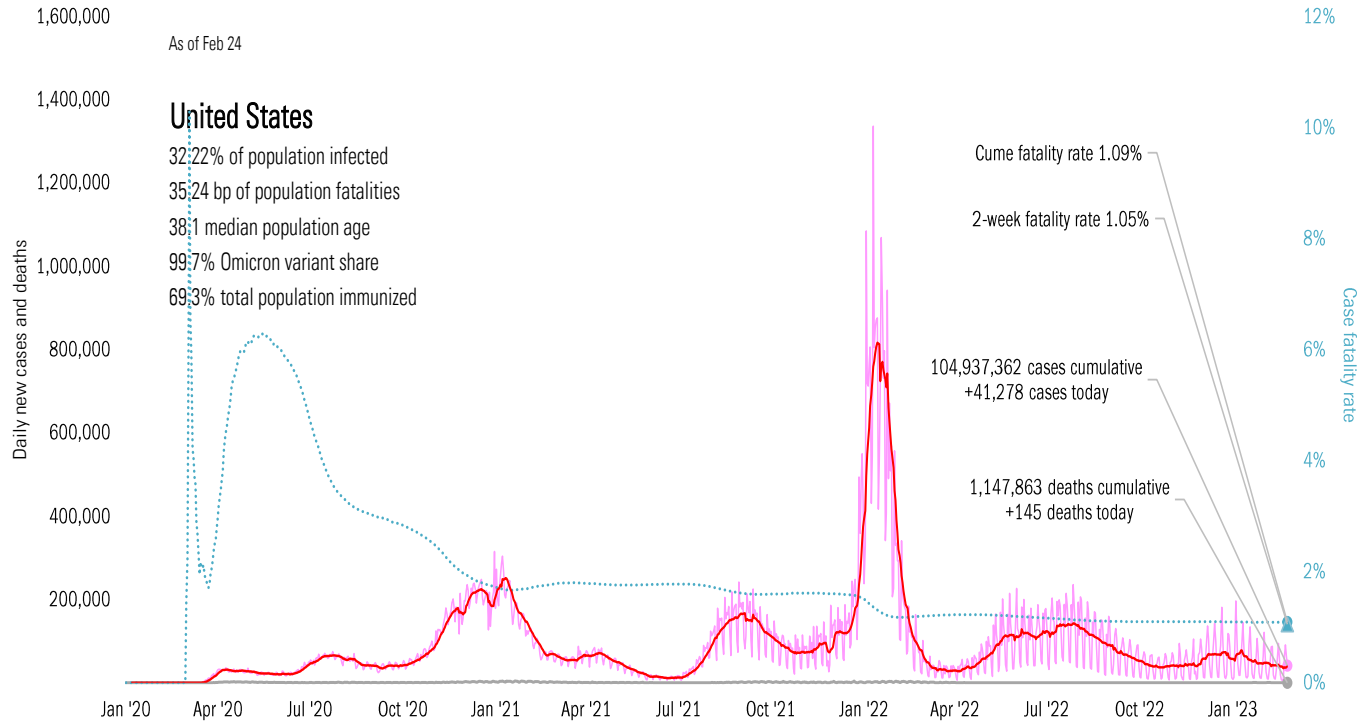
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
FL	4,721		FL	83		TX	328		CA	12,084,297		CA	100,816		TX	588,996		RI	89%	AL	90%
CA	3,910		NE	52		SC	51		TX	8,434,751		TX	93,161		CA	567,721		MA	87%	VT	90%
AZ	3,838		NY	44		TN	86		FL	7,516,906		FL	86,294		FL	532,842		DE	86%	TX	88%
NY	2,040		CA	33		AL	49		NY	6,775,366		NY	77,081		NY	354,539		DC	86%	WV	88%
TX	1,947		PA	16		CA	416		IL	4,062,200		PA	50,168		CH	244,158		WV	85%	NM	86%
CO	1,779		MA	15		MN	55		PA	3,512,137		GA	42,332		GA	242,313		MO	85%	DC	84%
GA	1,748		MI	13		AZ	52		NC	3,459,600		MI	41,957		PA	230,581		MN	85%	MO	83%
IL	1,607		GA	12		FL	231		CH	3,382,995		CH	41,686		IL	213,758		WA	83%	NC	82%
PA	1,431		WI	12		MT	23		GA	3,061,485		IL	41,379		MI	180,659		MD	83%	MA	82%
NC	1,375		TN	10		WY	8		MI	3,049,739		NJ	35,950		NJ	163,292		AZ	83%	CK	82%
24,396			290			1,299			55,339,476			610,824			3,318,859						
All states	41,278			402			3,411		All states	104,937,362			1,147,863			6,012,761		All states	70%		67%
Top ten	59%			72%			38%		Top ten	54%			55%			55%		Median	79%		76%

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-735	TX	-14	CH	-110
NJ	-274	AZ	-10	PA	-41
CT	-198	NH	-8	FR	-35
WI	-100	CT	-7	CO	-33
NM	-71	AL	-5	IN	-33

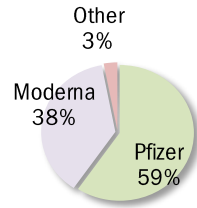


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# 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%
Total population	277,898,222	83%	236,838,532	71%	+0.012 million	Spain	85.6%
Age 12 to 17	18,482,537	73%	15,816,171	63%	+0.001 million	Germany	76.2%
Age 18 to 64	184,737,782	91%	156,964,732	77%	+0.007 million	Italy	81.2%
Age 65 and over	61,102,011	100%	53,519,329	98%	+0.002 million	Australia	82.7%
						Israel	65.2%
						Canada	82.6%
						Japan	83.4%
						Africa	29.3%
						India	67.2%
						Brazil	81.7%
						China	89.5%



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

AK	73.0%
	65.1%

"Immunity" = two doses

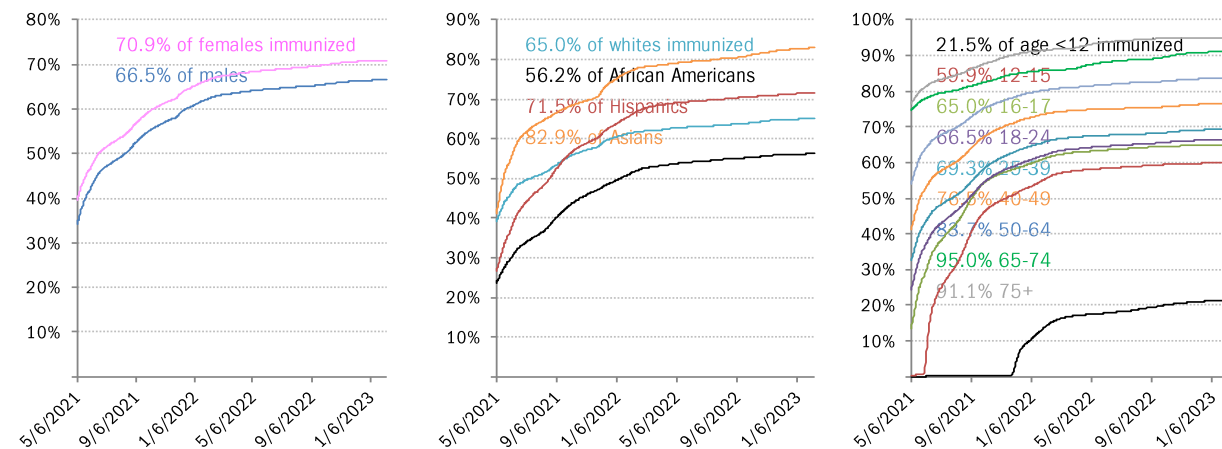
WI	75.1%
	68.2%

As of Feb 24

ME	95.0%
	83.4%

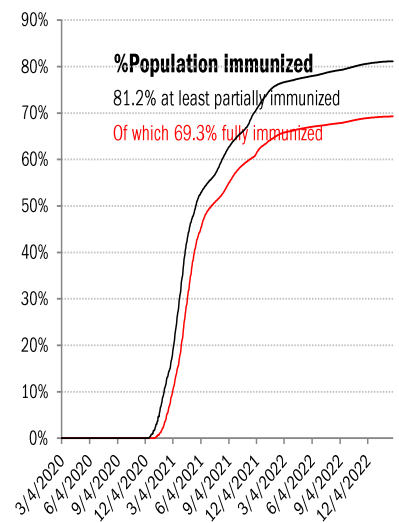
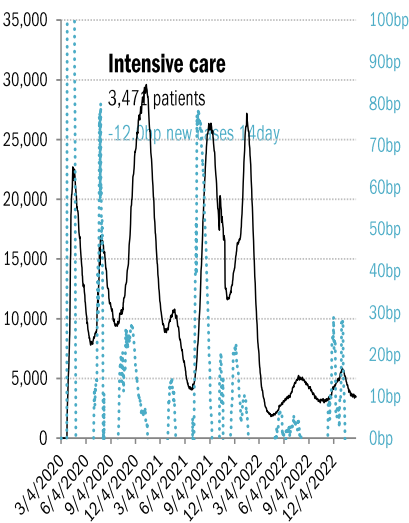
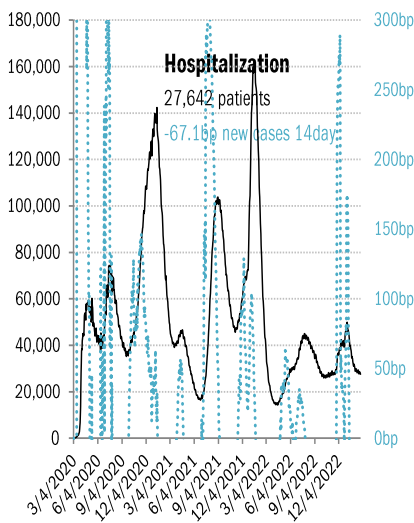
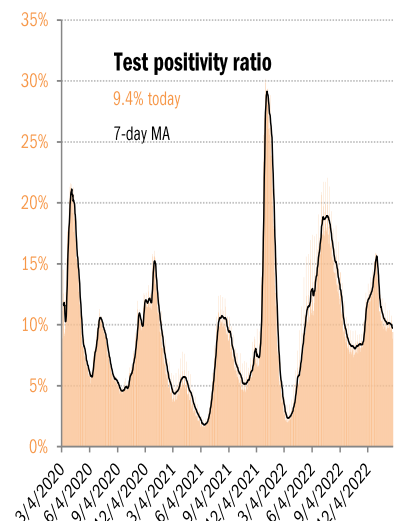
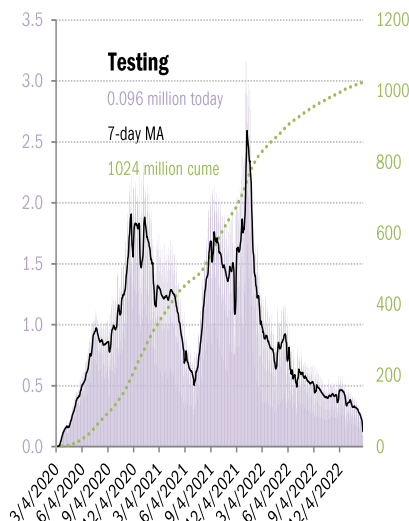
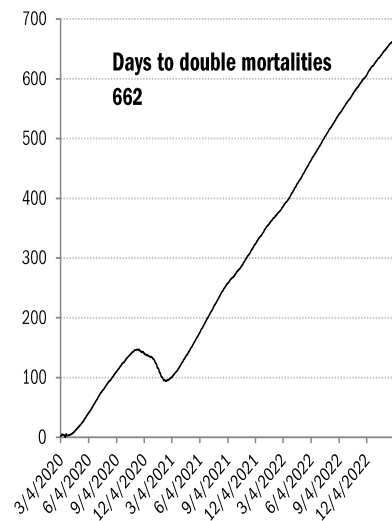
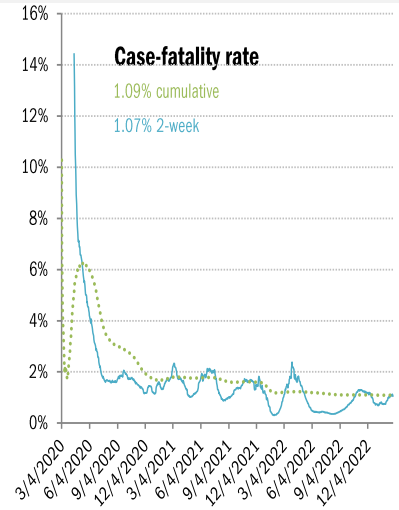
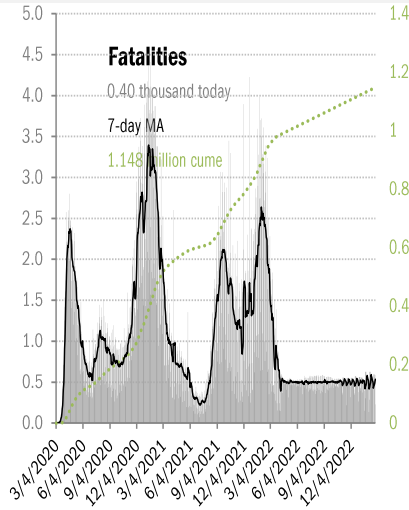
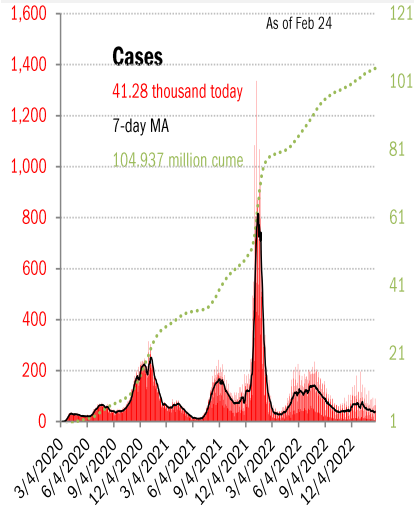
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
85.3%	63.9%	68.3%	69.4%	78.8%	79.2%	69.4%	94.5%	95.0%	88.2%	
76.1%	56.5%	59.2%	58.7%	72.2%	71.4%	62.3%	80.8%	85.7%	72.0%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.7%	77.6%	60.9%	83.9%	70.7%	64.4%	65.8%	90.7%	94.7%	95.0%	
72.4%	63.7%	53.0%	66.3%	64.4%	57.7%	60.5%	73.4%	79.1%	84.3%	
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

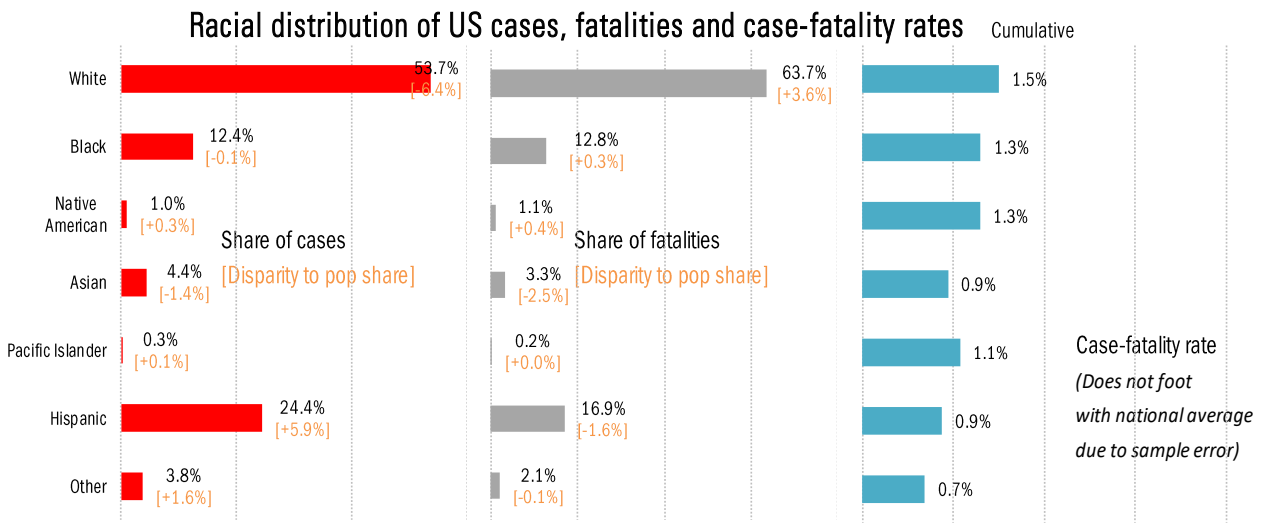
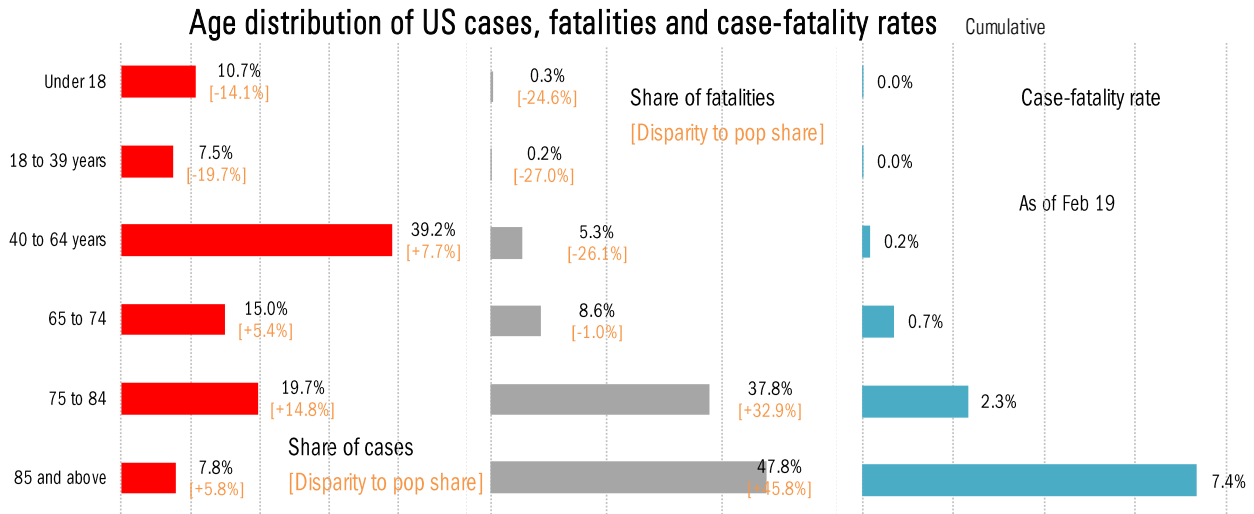


Source: CDC, CDC, Our World in Data, TrendMacro calculations

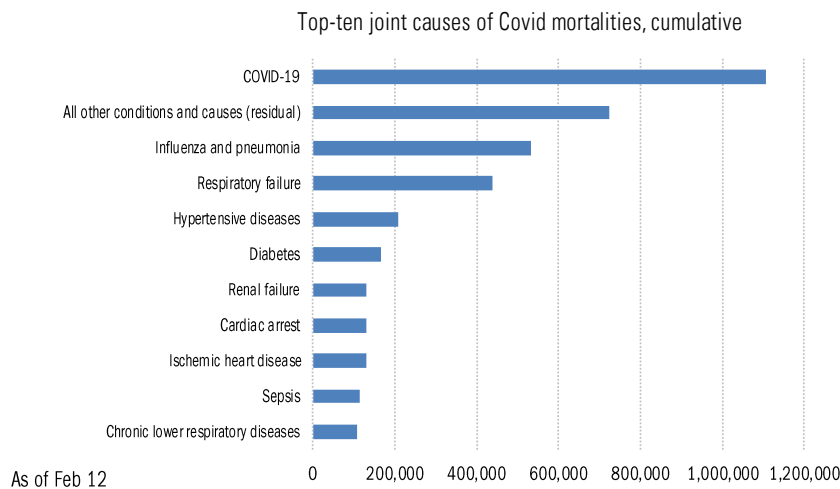
# US deep-dive



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

[A good-news story about bird flu](#)

Alex Berenson

*Unreported Truths*

February 24, 2023

[Summer School Can Remedy Pandemic Learning Loss](#)

Michael R. Bloomberg

*Wall Street Journal*

February 23, 2023

## Meme of the Day

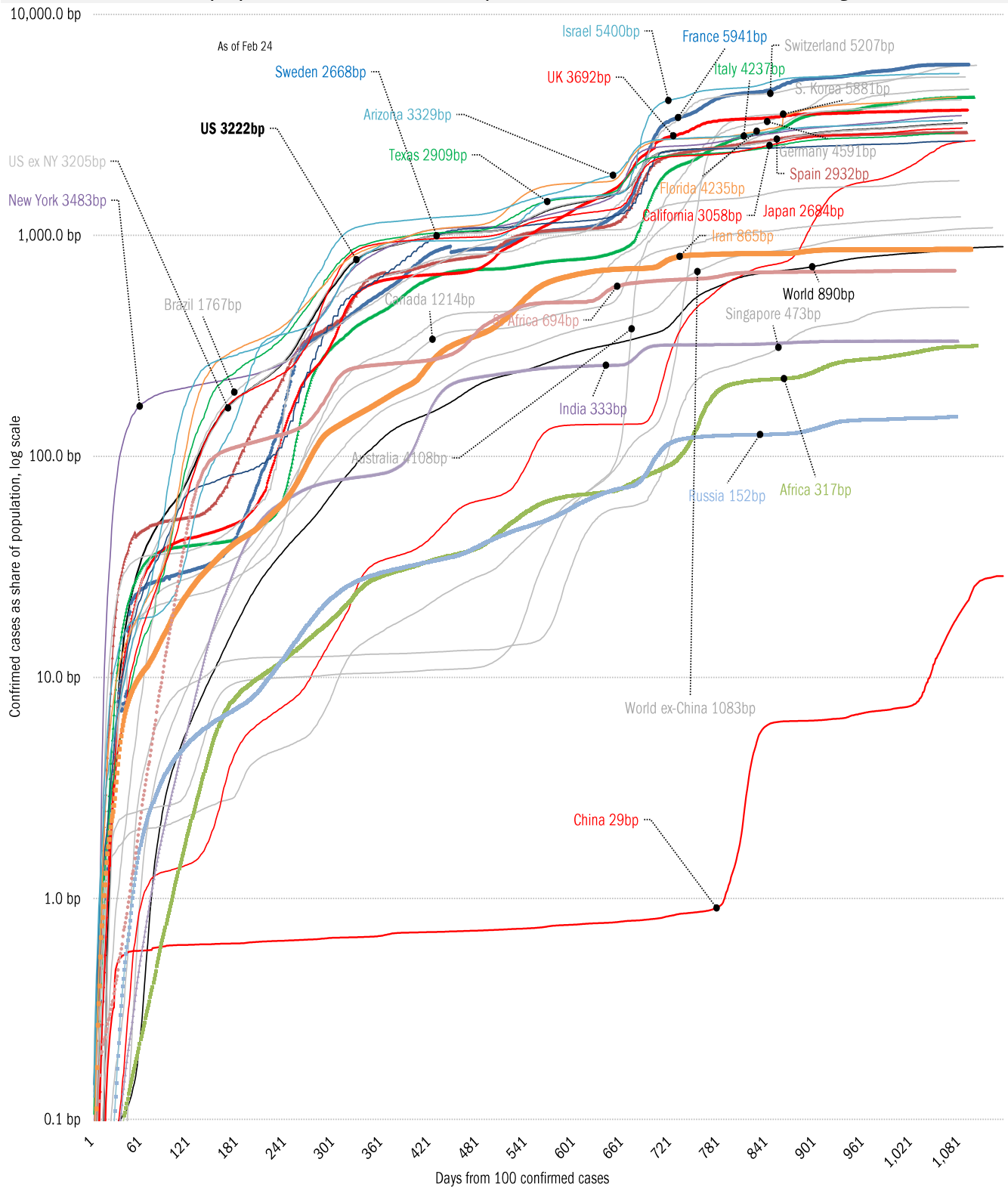


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



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

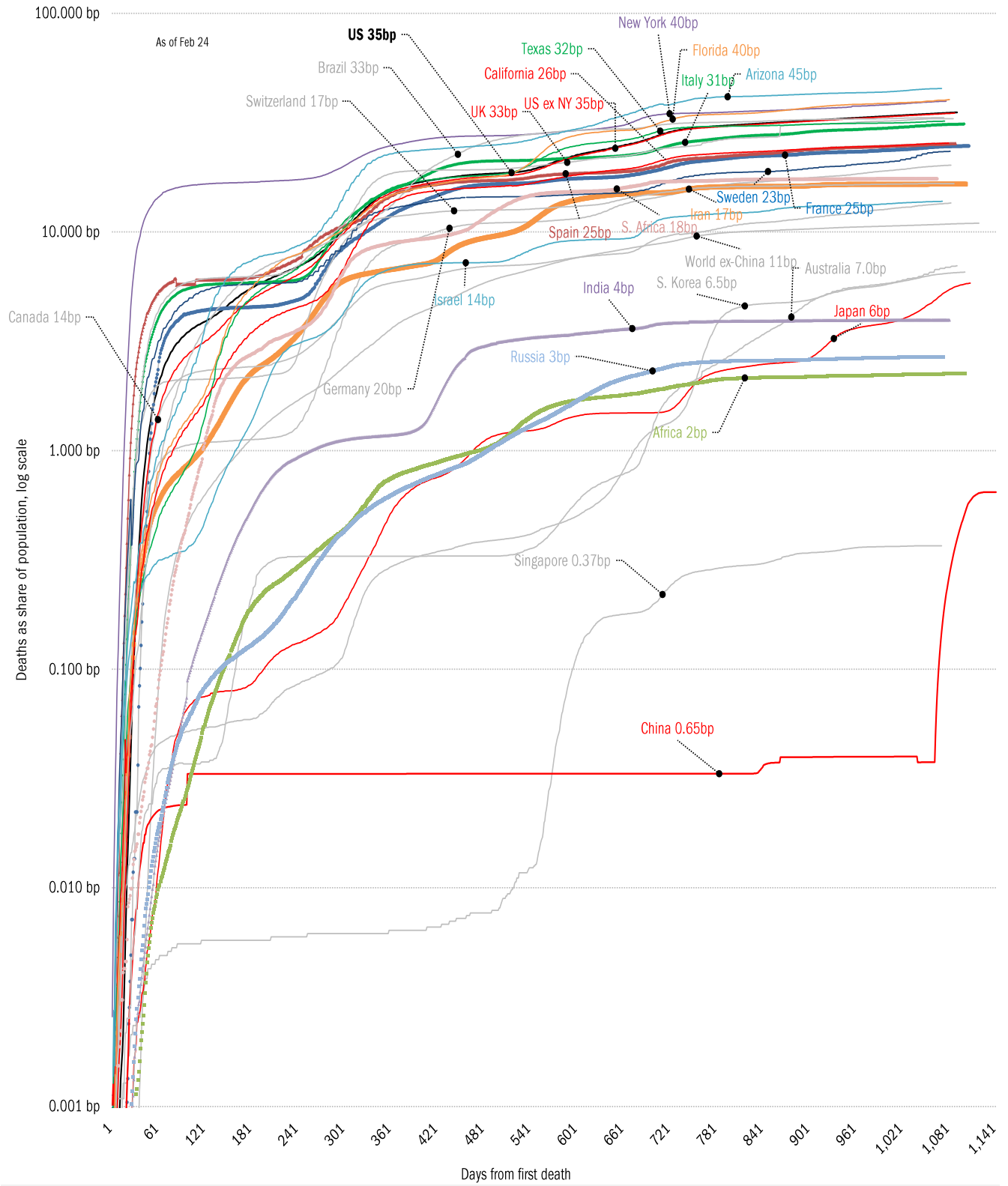
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



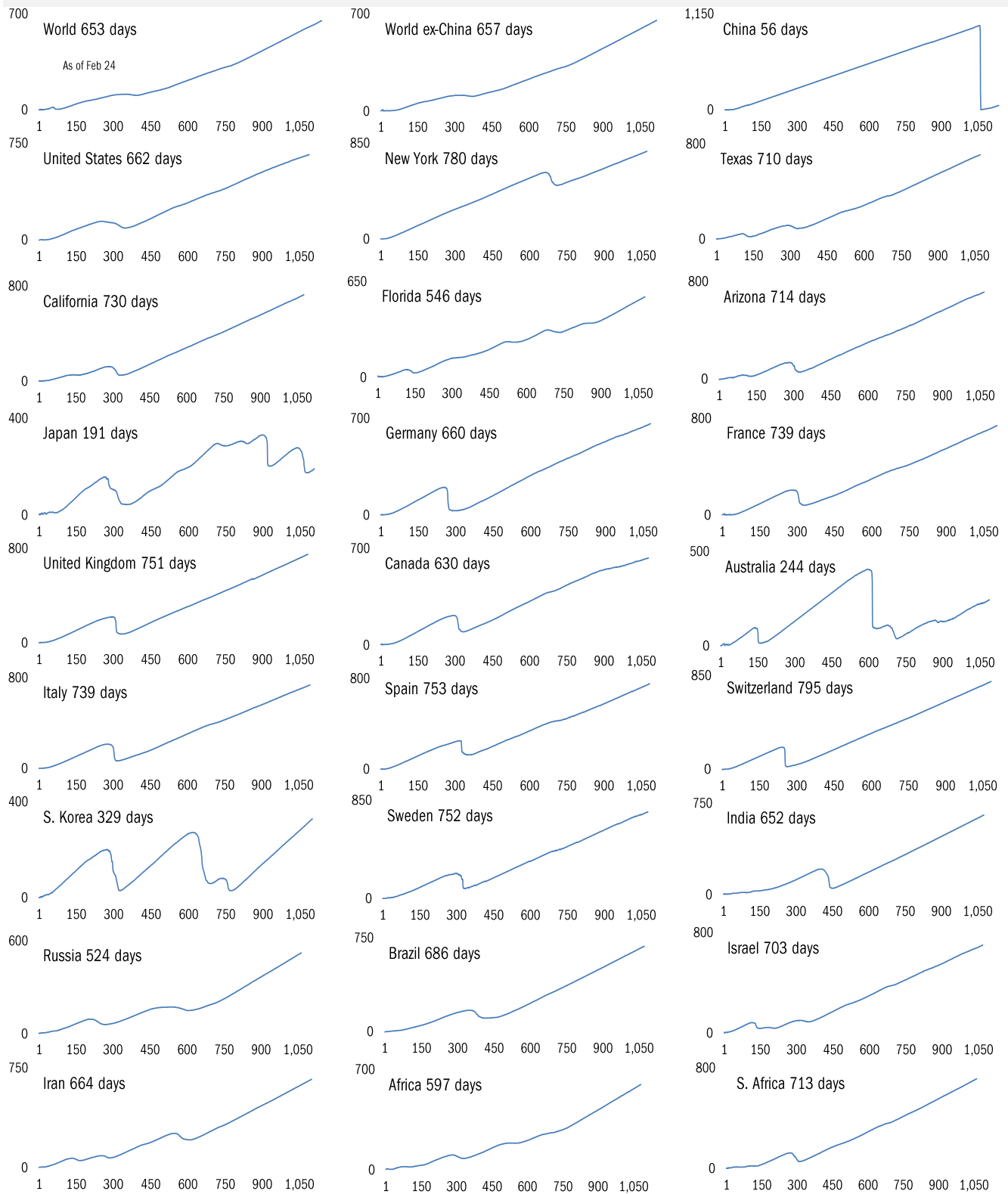
Source: [Johns Hopkins](#), TrendMacro calculations



# 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

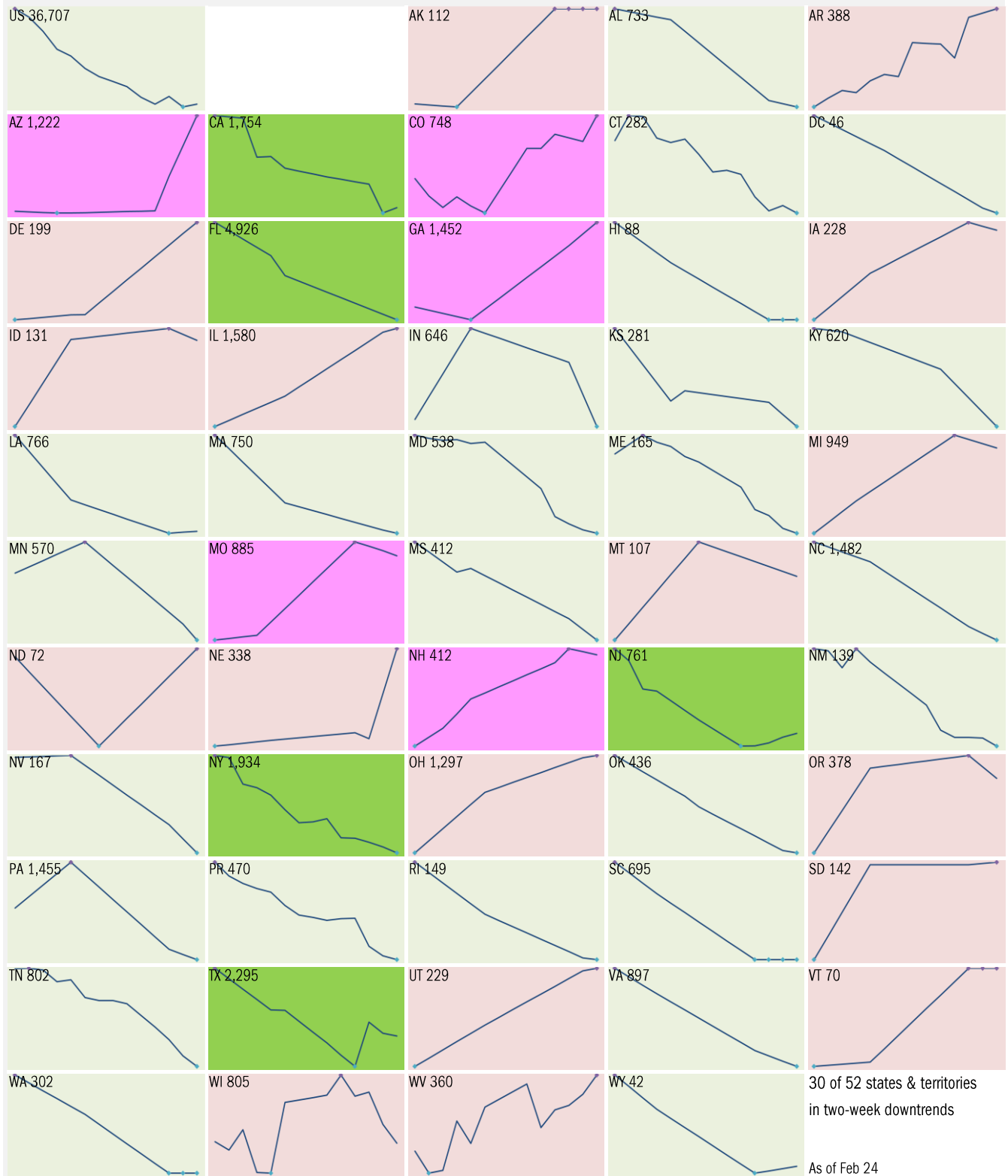


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 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

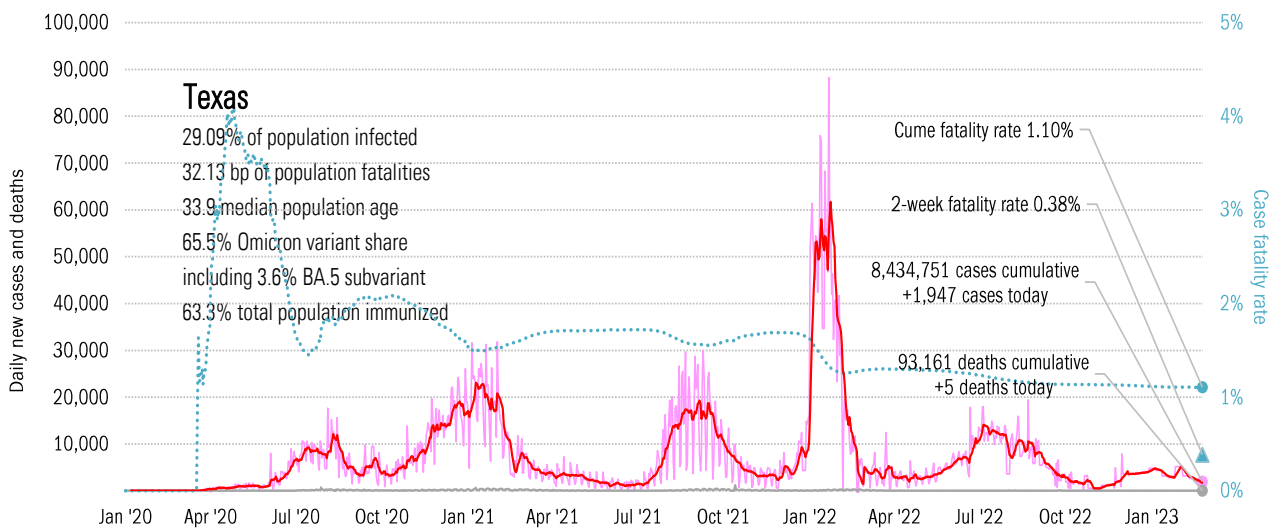
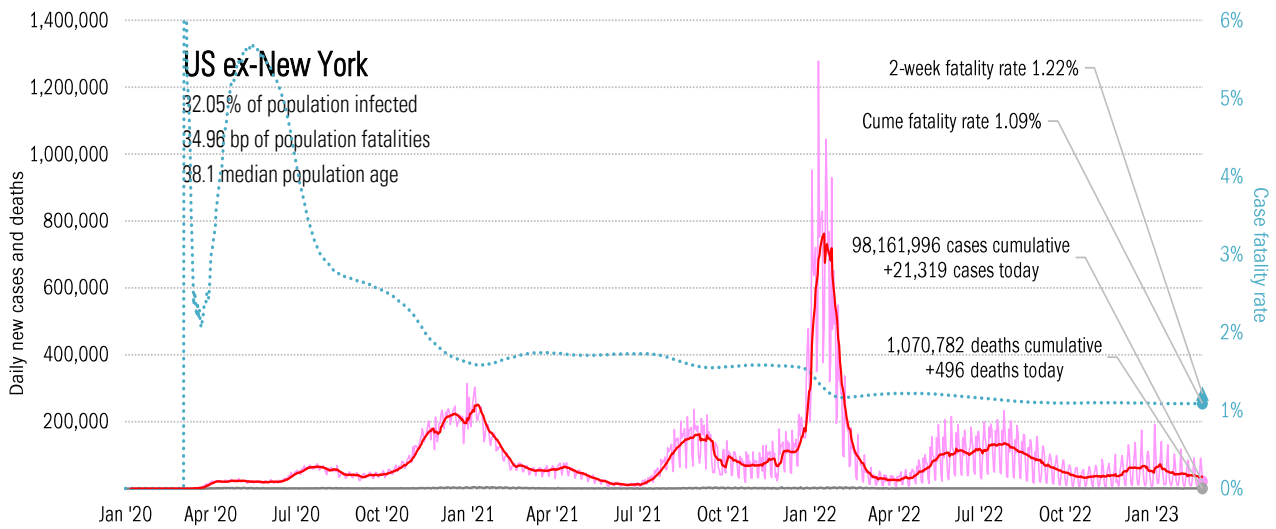
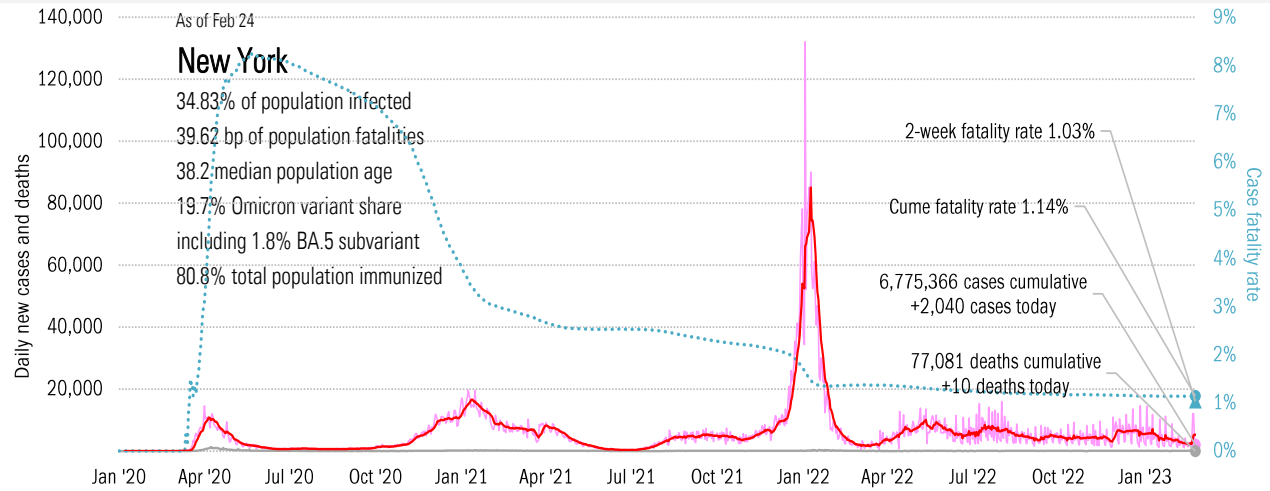
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

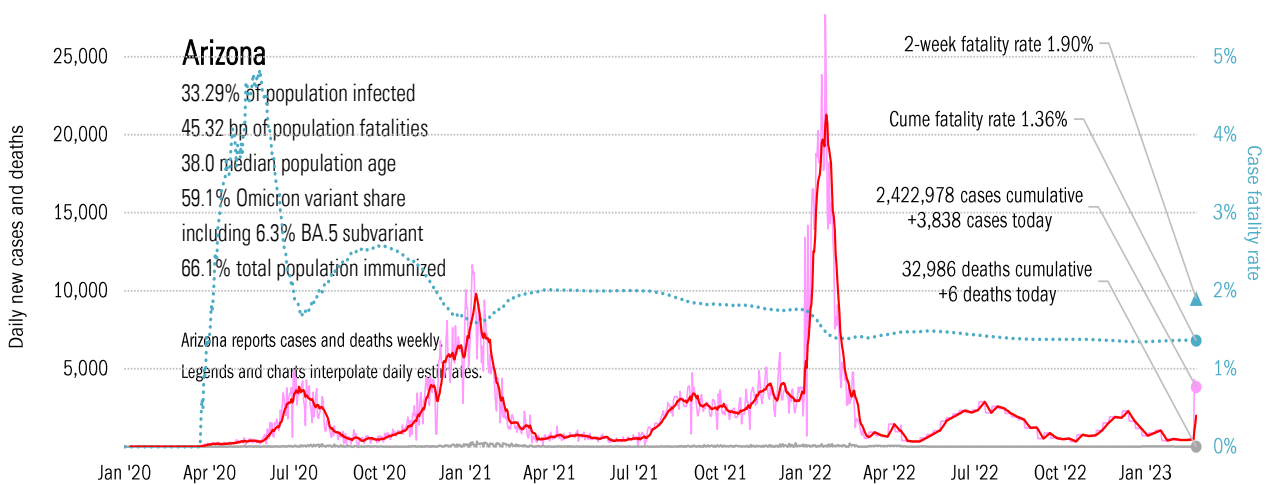
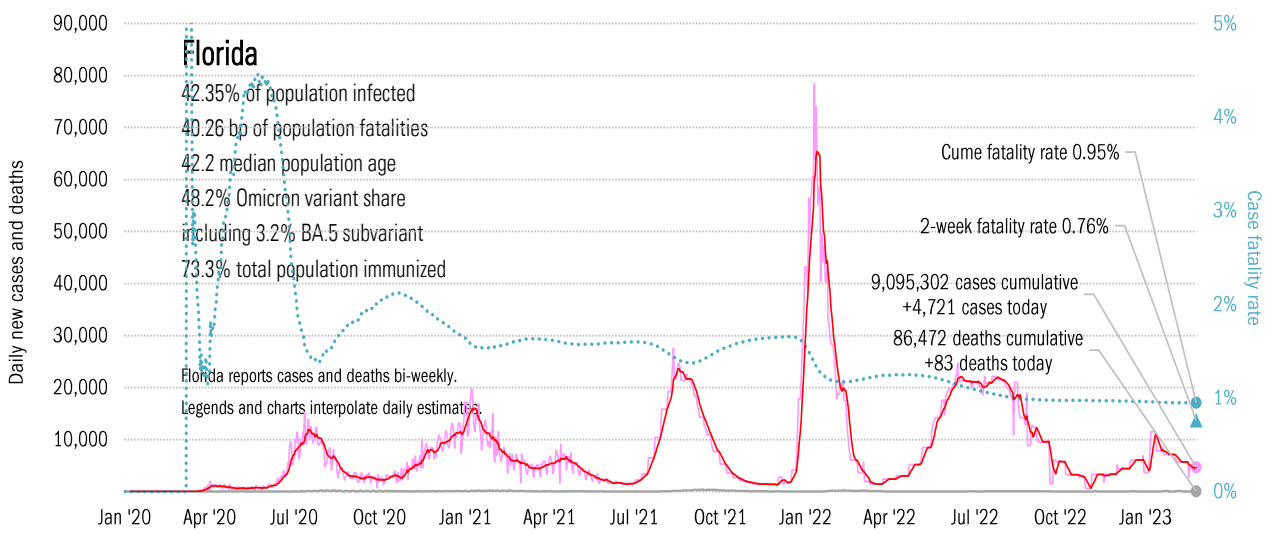
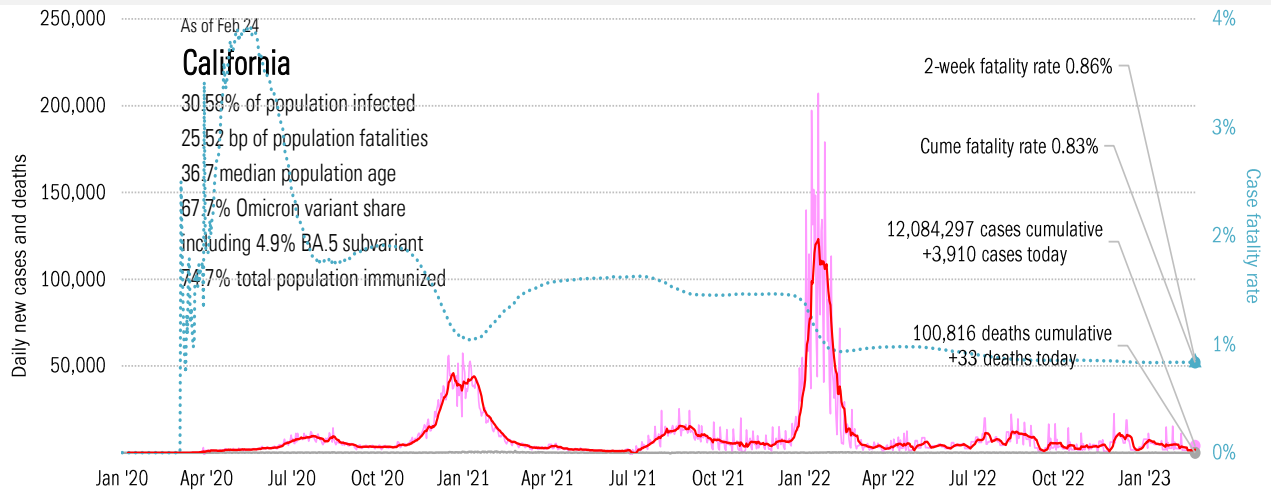
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

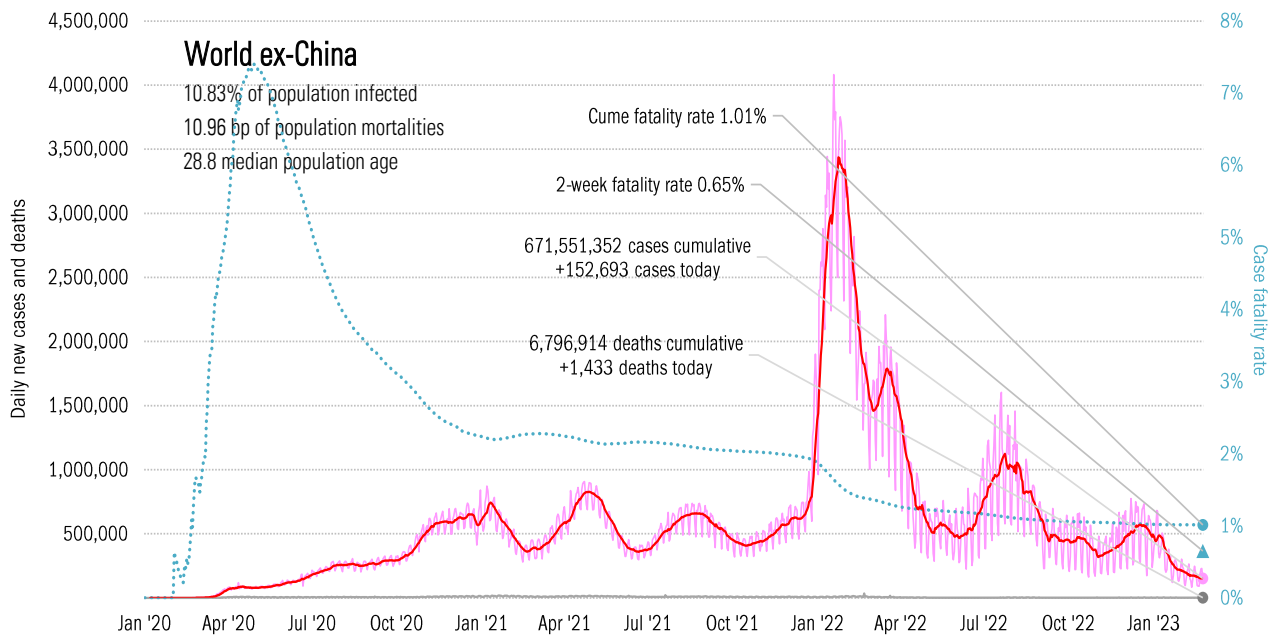
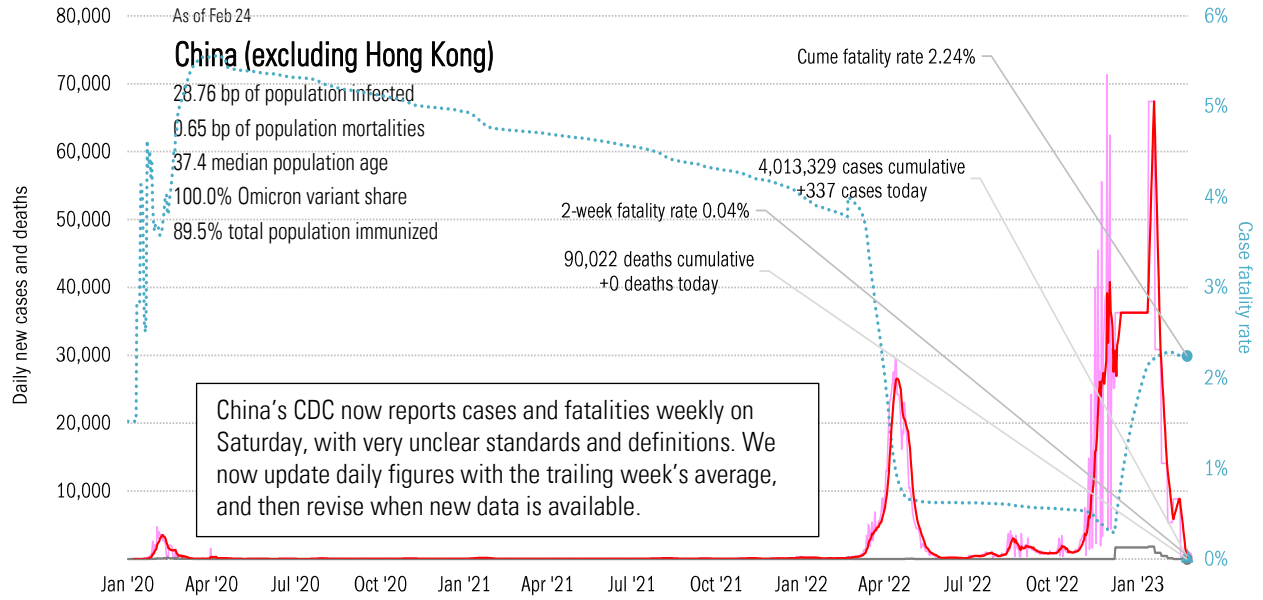
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

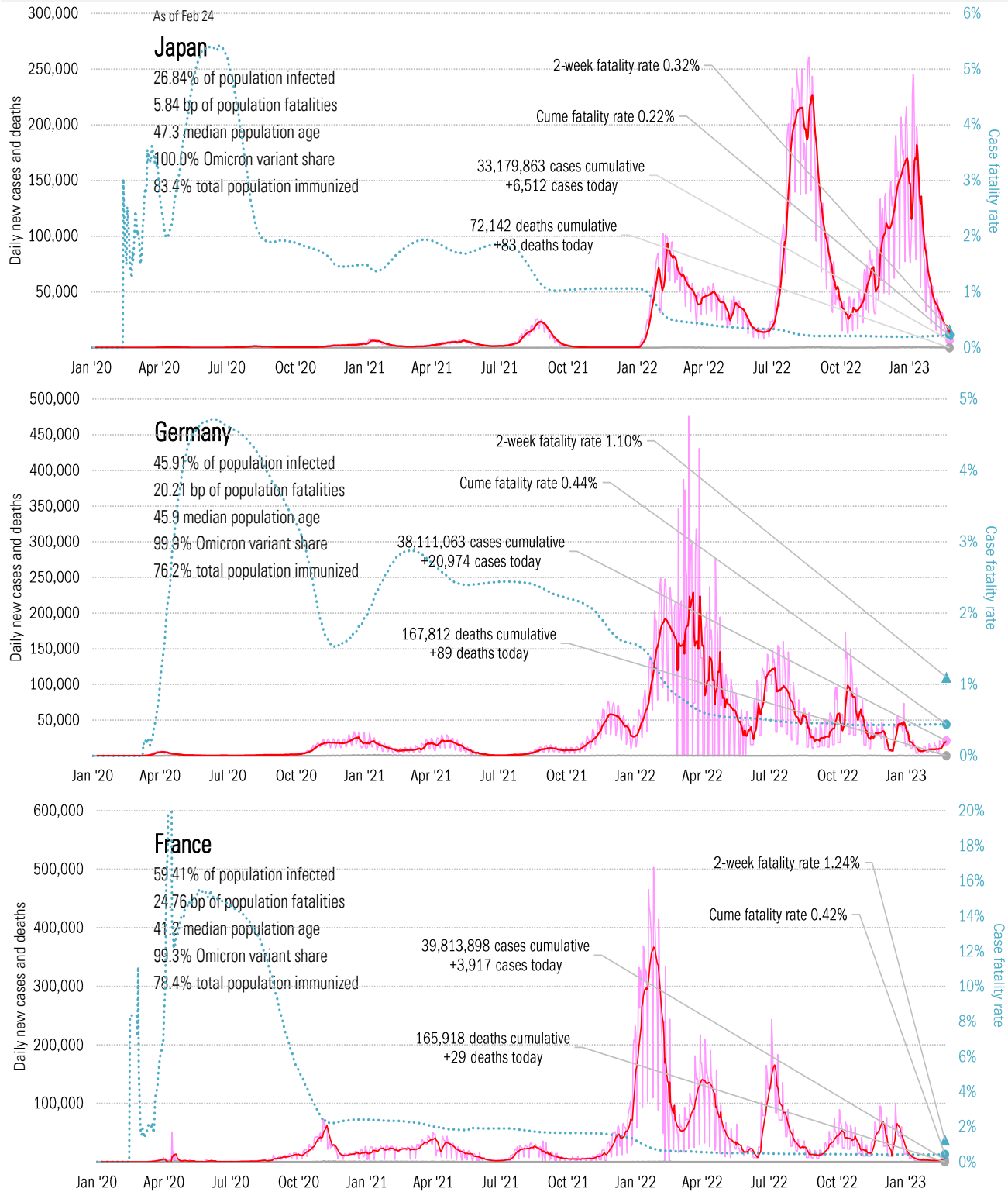
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

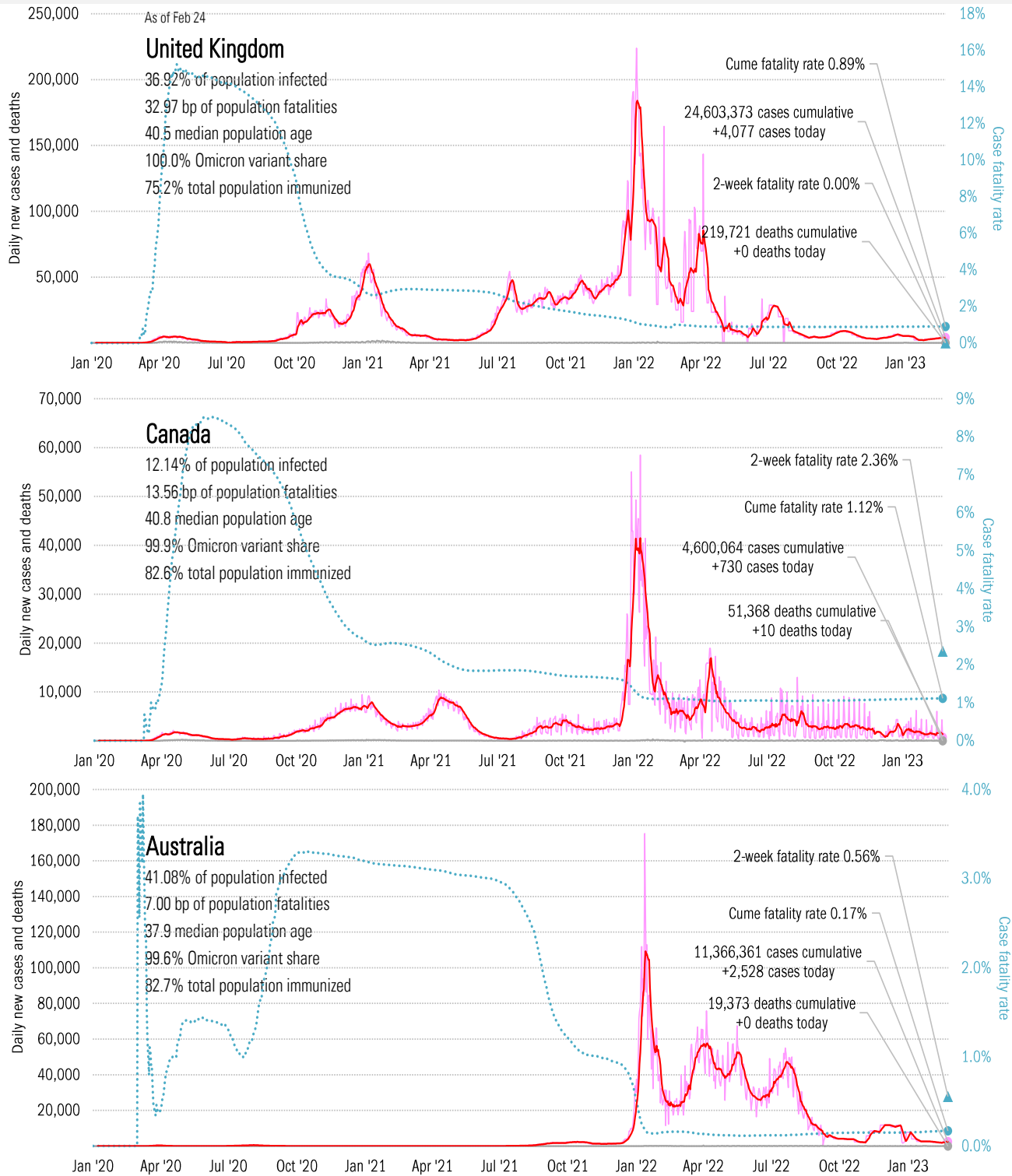


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

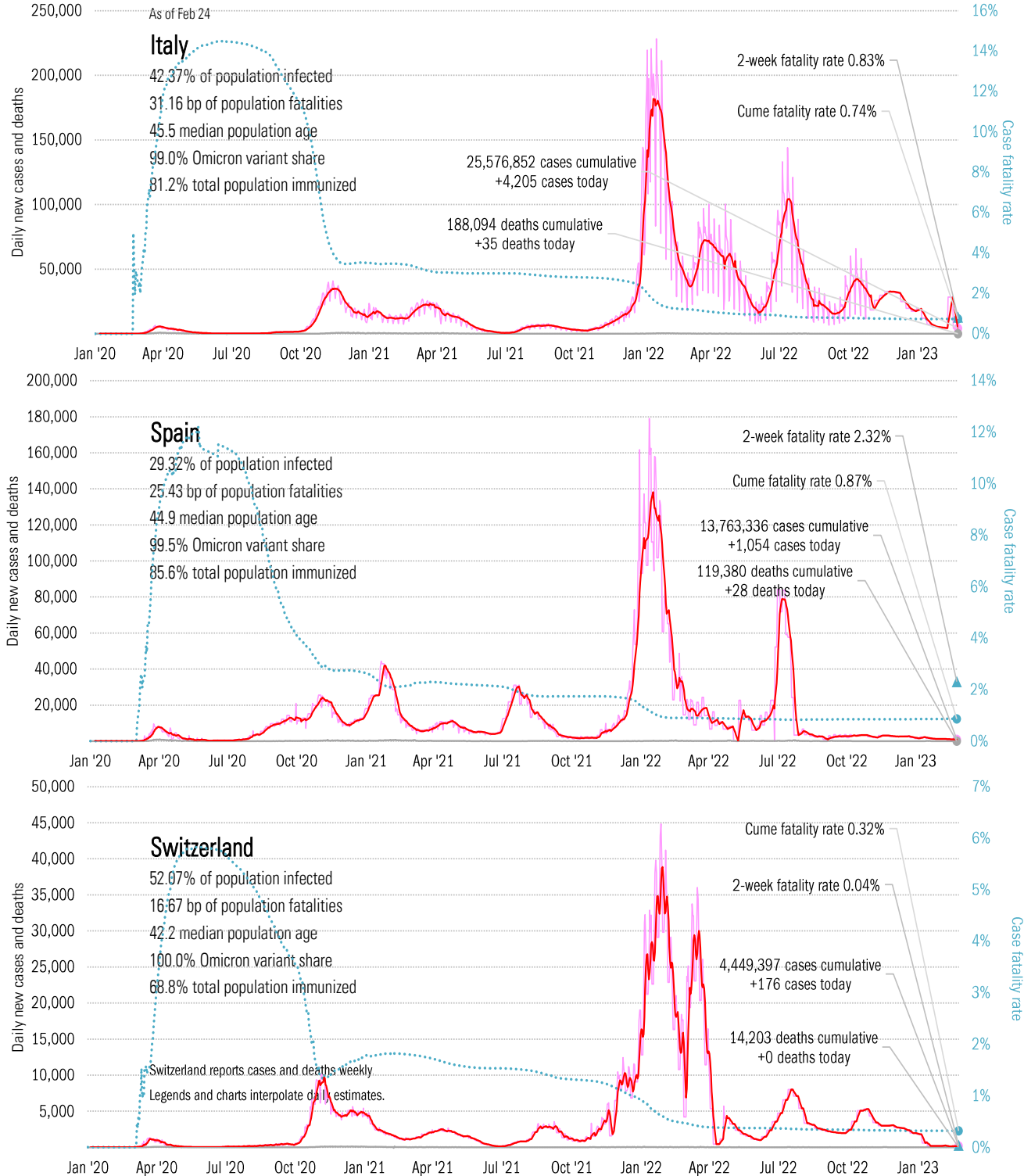
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

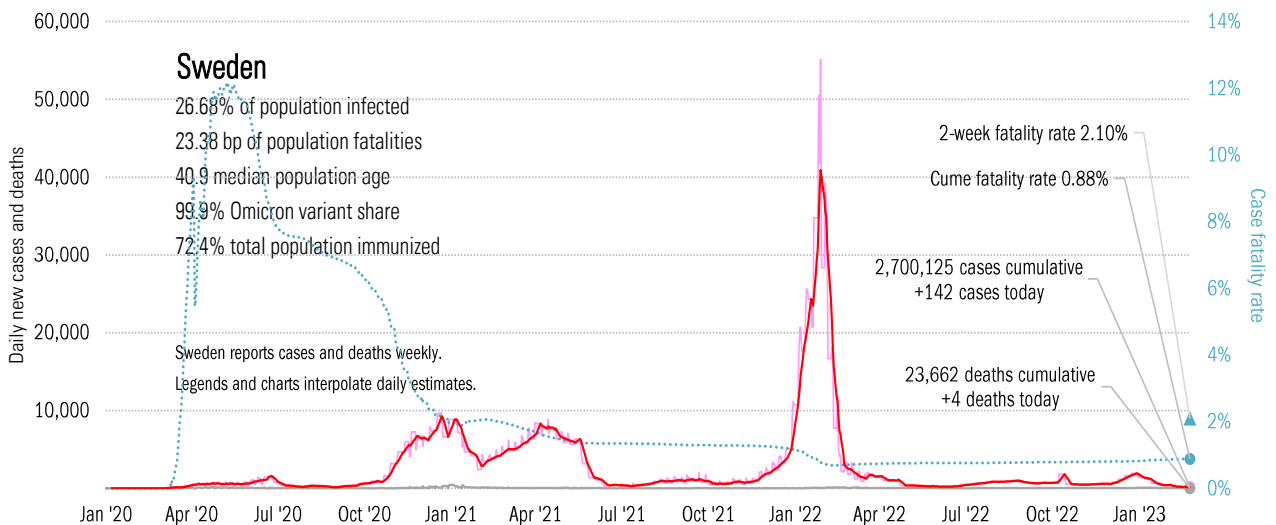
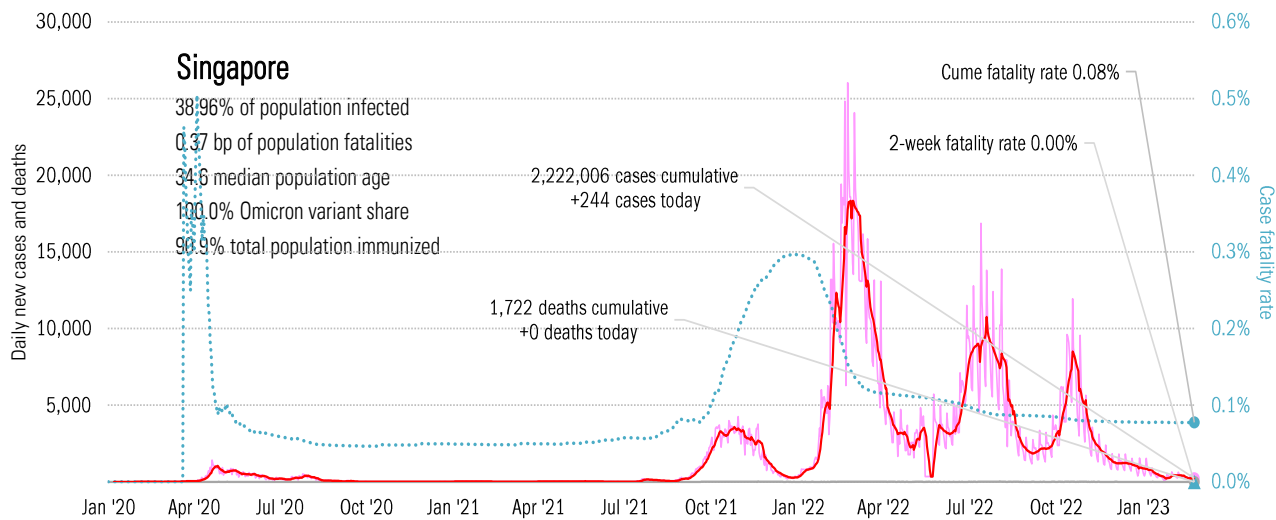
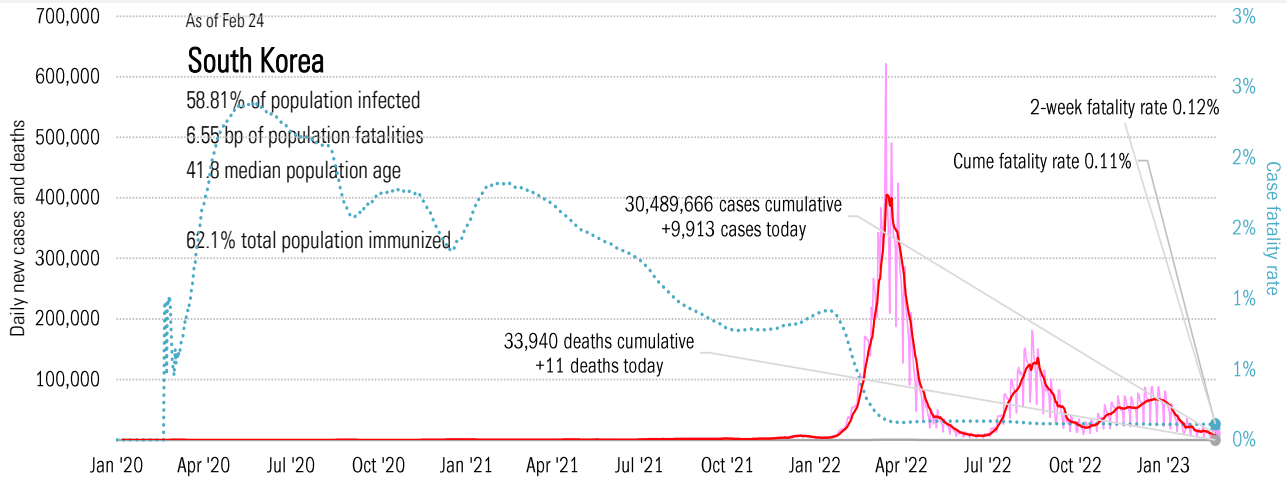
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

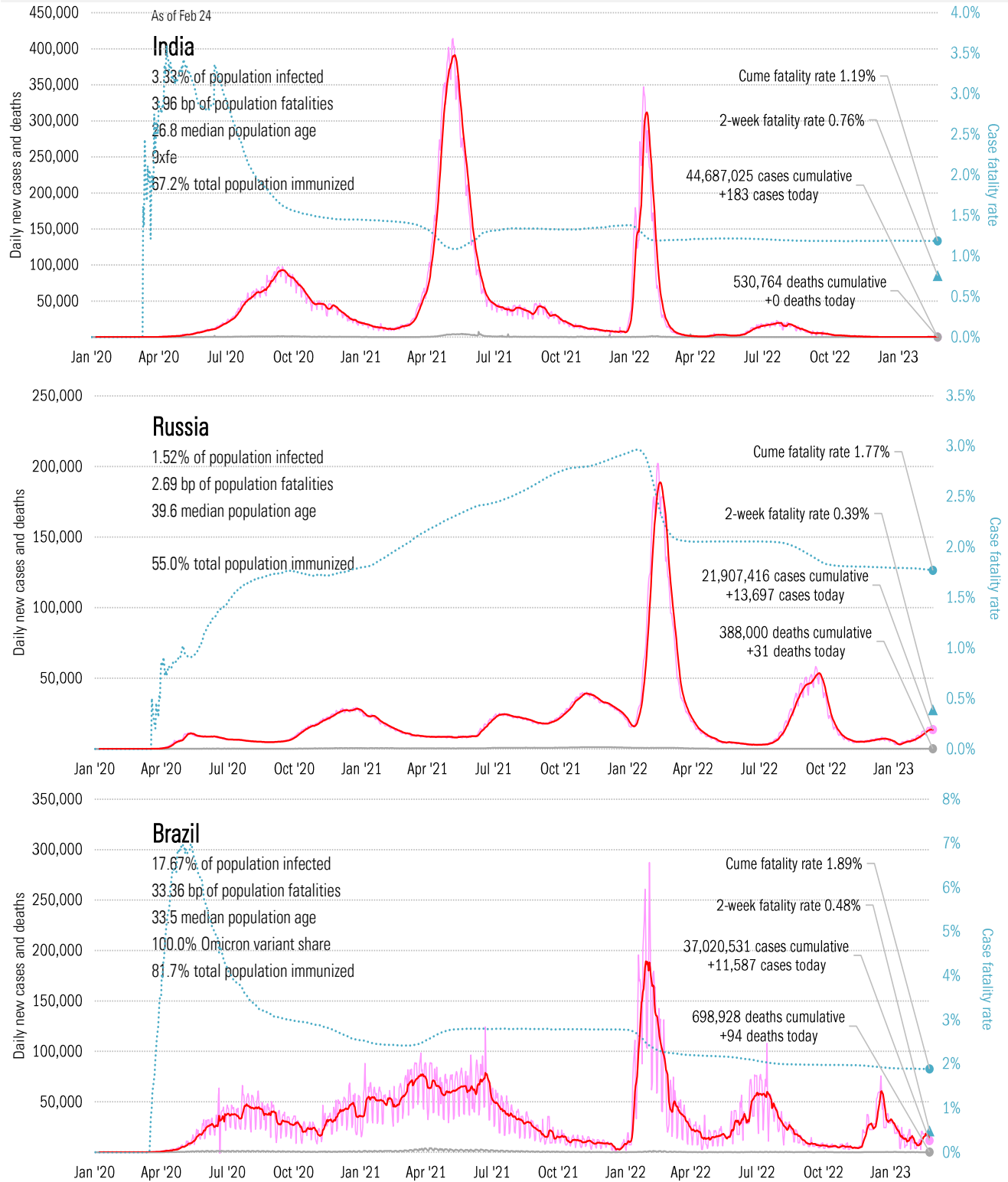
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

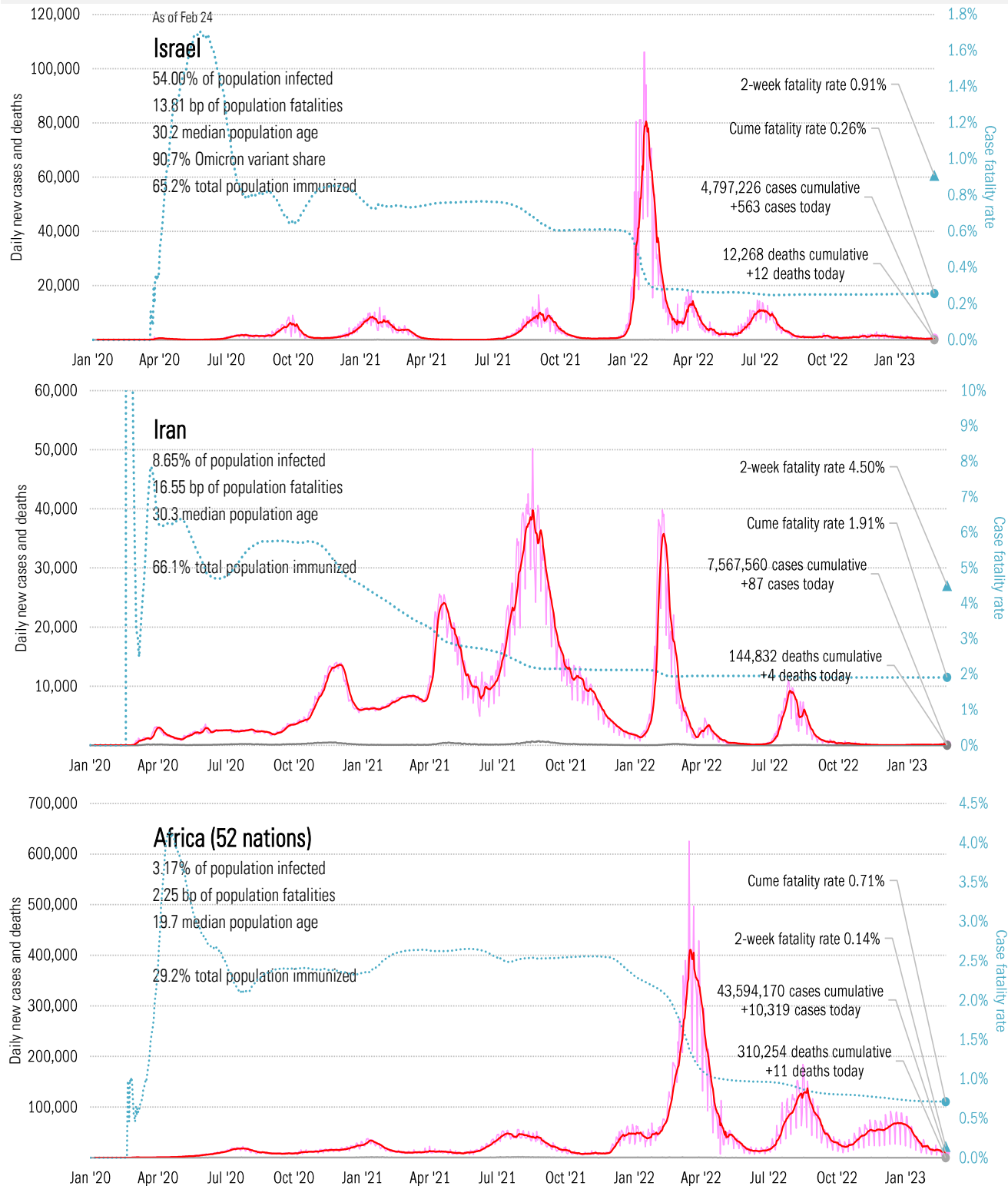
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

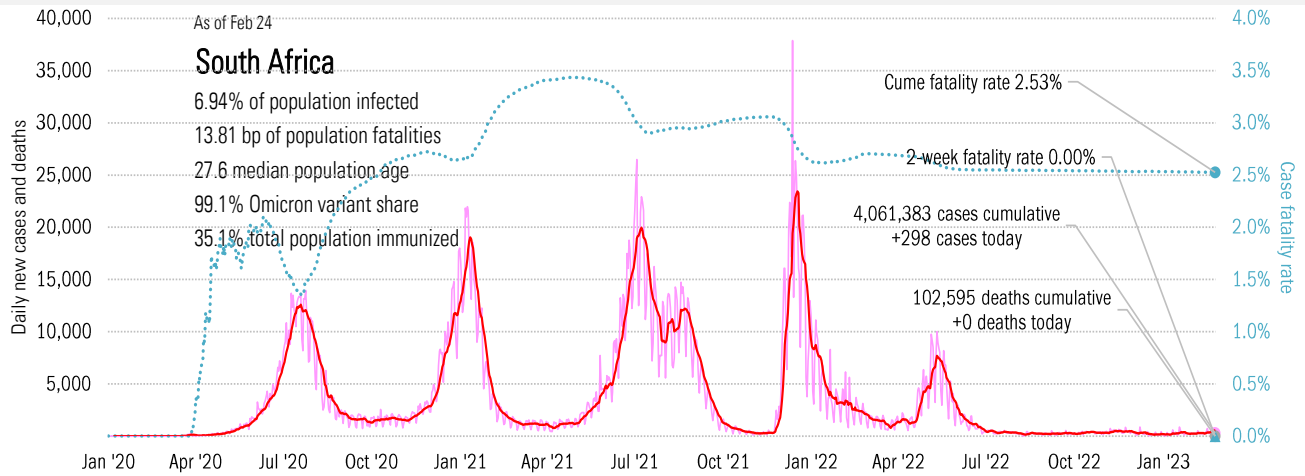
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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