

## Data Insights: Covid-2019 Monitor

Wednesday, March 1, 2023

### The global scorecard

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

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

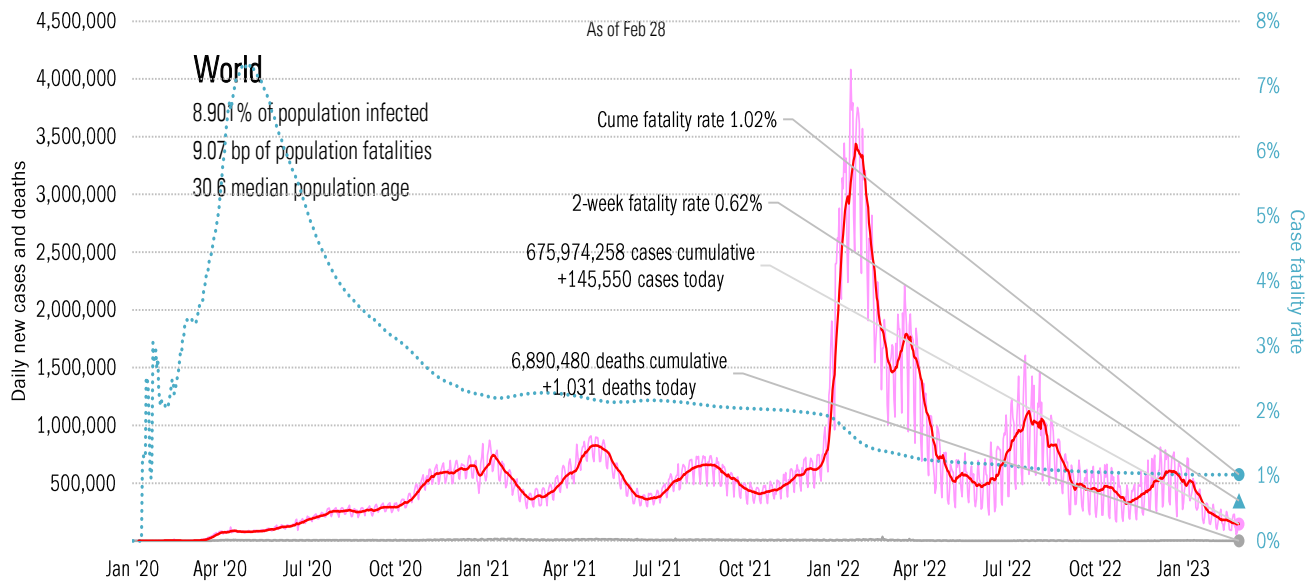
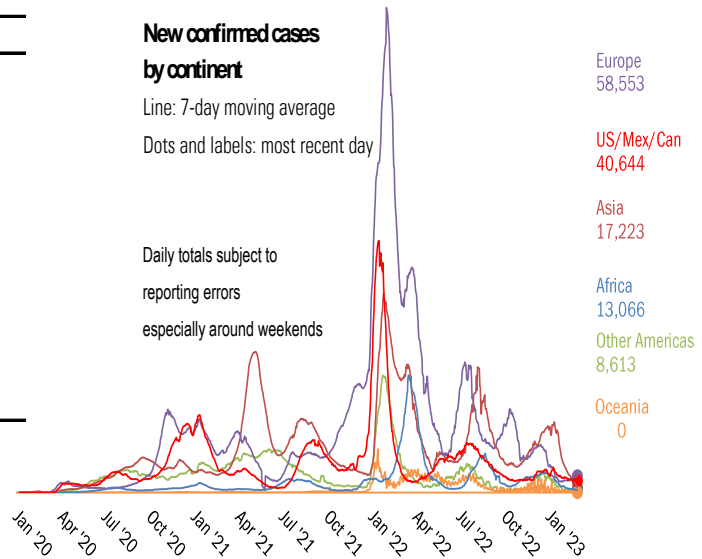
New cases		New Deaths	
United States	35,257	United States	565
Japan	14,792	Germany	135
Brazil	14,706	Brazil	81
Korea, South	12,291	Japan	67
Russia	9,660	Iceland	52
Germany	6,219	Russia	35
Austria	5,889	Italy	35
Italy	4,205	France	34
United Kingdom	4,077	Spain	28
Poland	3,769	Poland	16

### 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

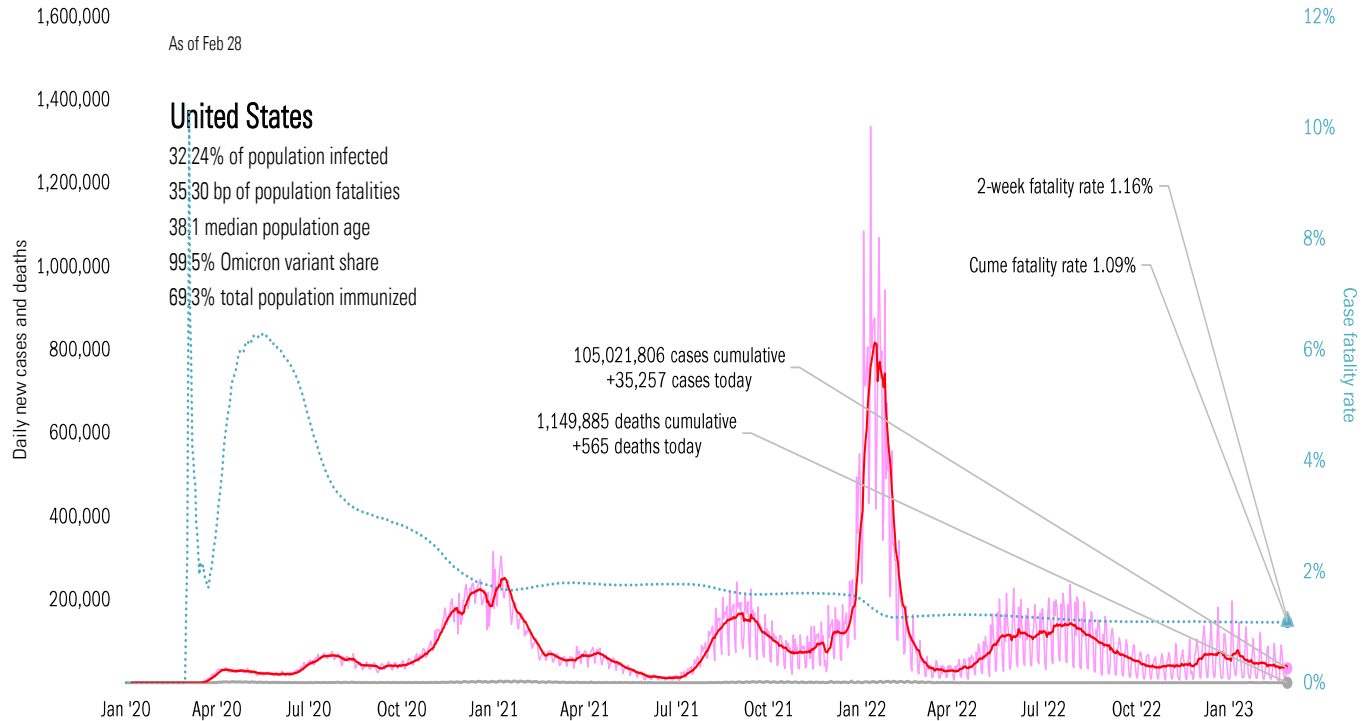
## The ten worst US states

New cases			New deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
FL	4,721		MI	139		NC	123		CA	12,084,297		CA	100,816		TX	589,615		MA	87%	AL	88%
CA	3,910		FL	83		FL	233		TX	8,436,255		TX	93,168		CA	569,113		DC	86%	TX	85%
NY	2,153		NE	52		MA	105		FL	7,516,906		FL	86,294		FL	533,587		DE	85%	WV	85%
GA	1,748		MO	35		NY	204		NY	6,782,389		NY	77,016		NY	355,154		RI	85%	DC	84%
IL	1,607		CA	33		CA	439		IL	4,062,200		PA	50,168		CH	244,637		WV	85%	NC	83%
NC	1,375		NY	30		UT	26		PA	3,512,545		GA	42,332		GA	242,582		MN	85%	MA	82%
NE	1,327		NJ	18		AR	26		NC	3,459,600		MI	42,096		PA	231,031		CT	83%	AK	81%
CH	1,305		MD	17		AL	49		CH	3,382,995		CH	41,686		IL	214,185		AK	83%	CK	81%
NJ	1,210		PA	16		MO	63		GA	3,061,485		IL	41,379		MI	180,937		WA	82%	AR	81%
MD	1,081		MA	15		TN	66		MI	3,057,222		NJ	35,974		NJ	163,467		MO	82%	RI	81%
20,438			438			1,334			55,355,894			610,929			3,324,308						
All states	35,257		565		2,985		All states	105,021,806		1,149,885		6,022,328		All states	70%	67%					
Top ten	58%		78%		45%		Top ten	54%		55%		55%		Median	76%	74%					

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-795	AR	-8	TX	-51
NH	-557	TX	-3	CA	-50
AK	0	NM	-2	IL	-49
AL	0	WI	-2	IN	-42
AZ	0	AK	0	CO	-34

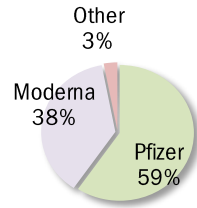


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# 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%



<b>AK</b>
73.0%
65.1%

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

Best
Middle
Worst

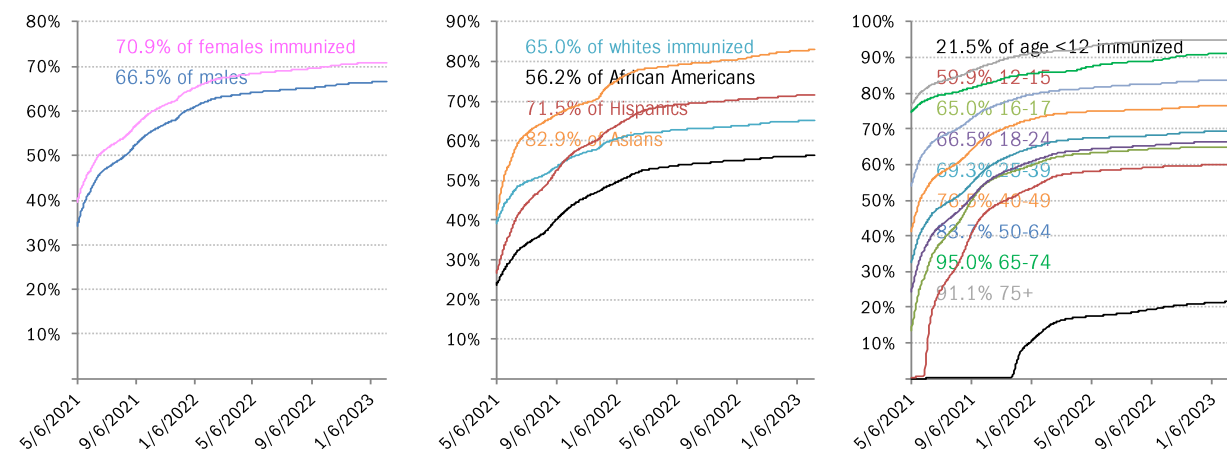
"Immunity" = two doses

Global data differs due to sources, timing

As of Feb 24

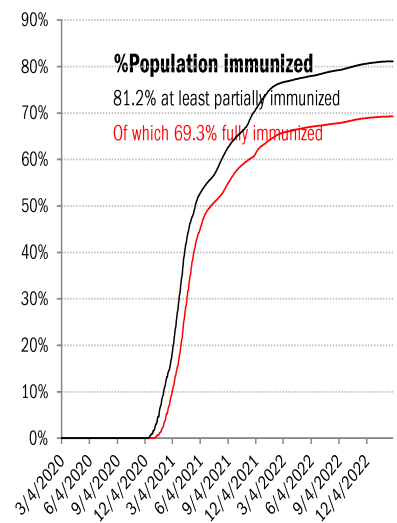
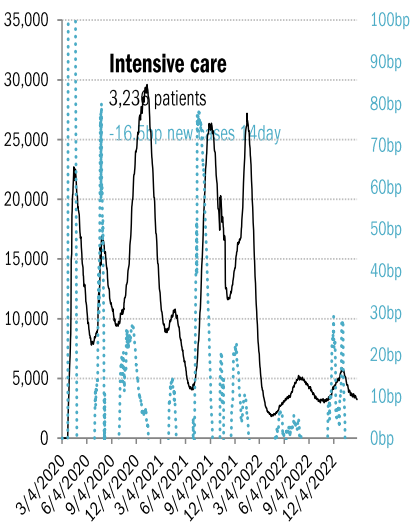
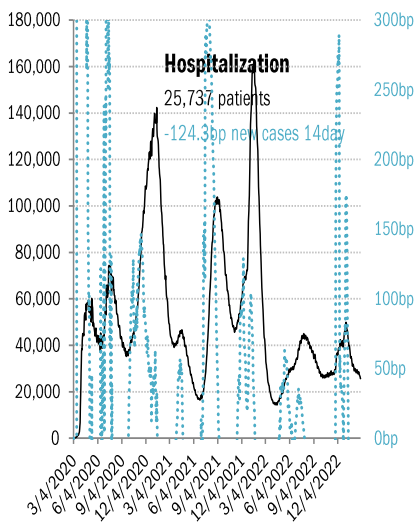
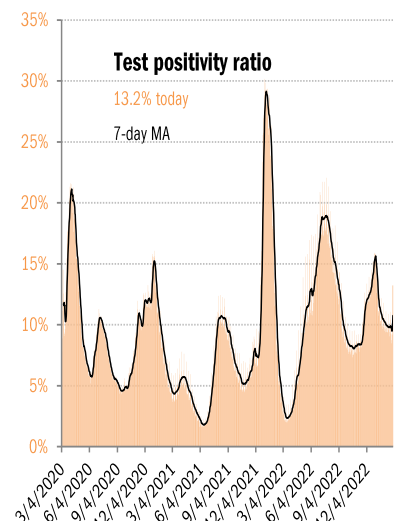
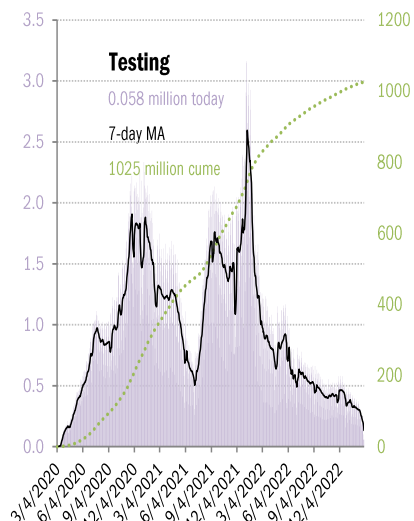
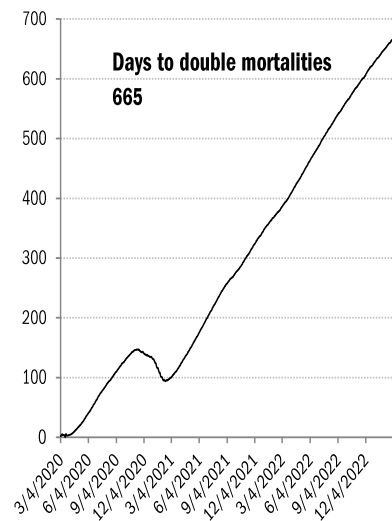
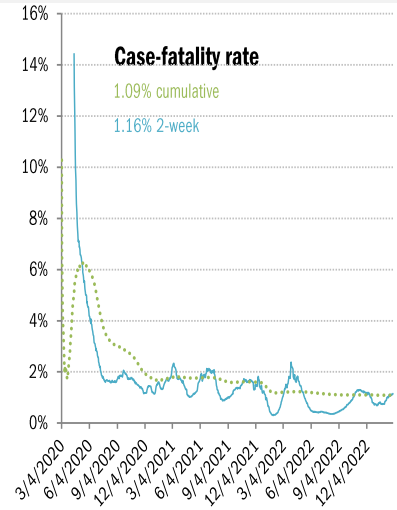
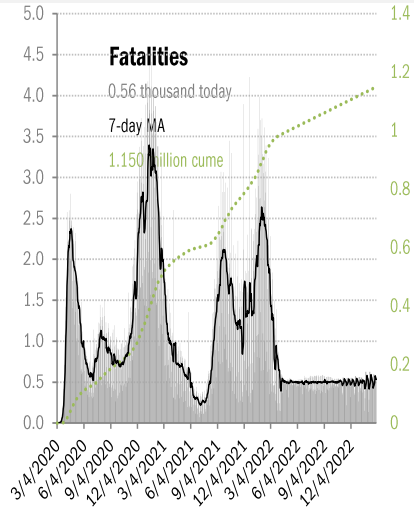
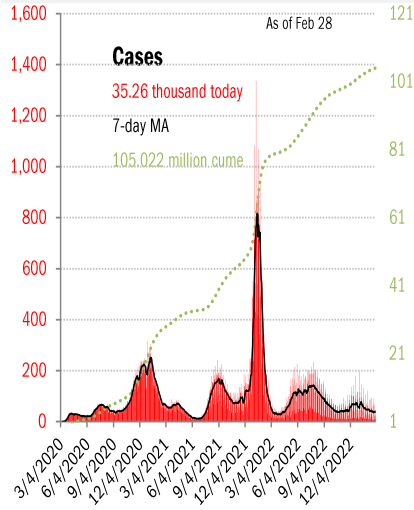
					<b>WI</b>						<b>ME</b>
					75.1%						95.0%
					68.2%						83.4%
<b>WA</b>	<b>ID</b>	<b>MT</b>	<b>ND</b>	<b>MN</b>	<b>IL</b>	<b>MI</b>		<b>NY</b>	<b>VT</b>	<b>NH</b>	
85.3%	63.9%	68.3%	69.4%	78.8%	79.2%	69.4%		94.5%	95.0%	88.2%	
76.1%	56.5%	59.2%	58.7%	72.2%	71.4%	62.3%		80.8%	85.7%	72.0%	
<b>OR</b>	<b>NV</b>	<b>WY</b>	<b>SD</b>	<b>IA</b>	<b>IN</b>	<b>OH</b>	<b>PA</b>	<b>NJ</b>	<b>MA</b>		
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%		
<b>CA</b>	<b>UT</b>	<b>CO</b>	<b>NE</b>	<b>MO</b>	<b>KY</b>	<b>WV</b>	<b>VA</b>	<b>MD</b>	<b>CT</b>	<b>RI</b>	
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%	
	<b>AZ</b>	<b>NM</b>	<b>KS</b>	<b>AR</b>	<b>TN</b>	<b>NC</b>	<b>SC</b>	<b>DC</b>	<b>DE</b>		
	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%		
			<b>OK</b>	<b>LA</b>	<b>MS</b>	<b>AL</b>	<b>GA</b>				
			74.6%	62.8%	61.7%	65.0%	68.4%				
			60.5%	55.0%	53.7%	53.2%	57.3%				
			<b>TX</b>								
			76.4%								
			63.3%								
								<b>FL</b>		<b>PR</b>	
								82.5%		90.9%	
								69.4%		84.1%	

## The demographics of US vaccination

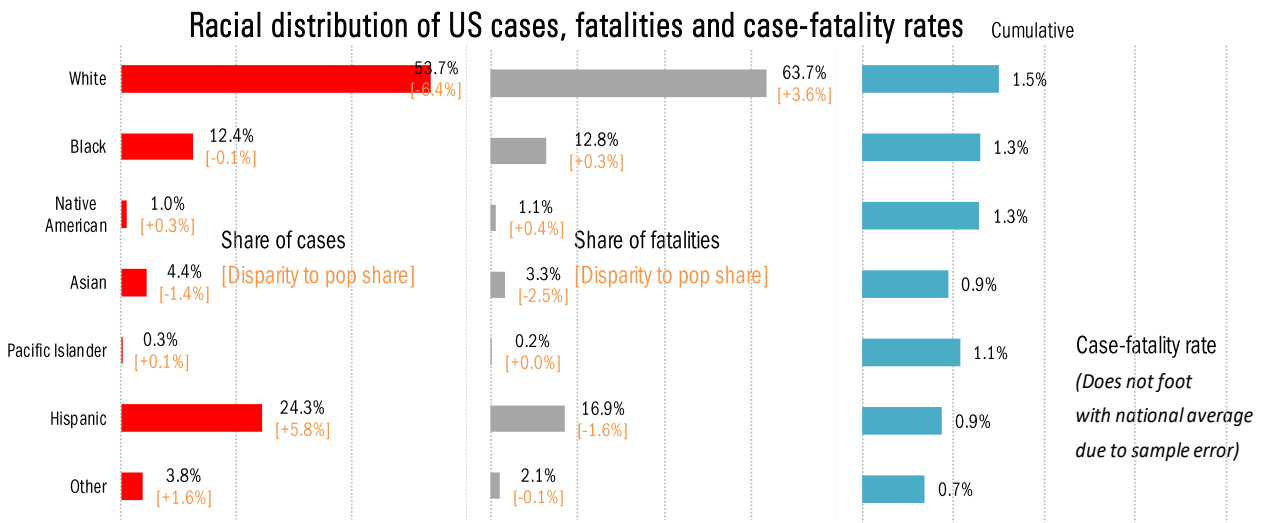
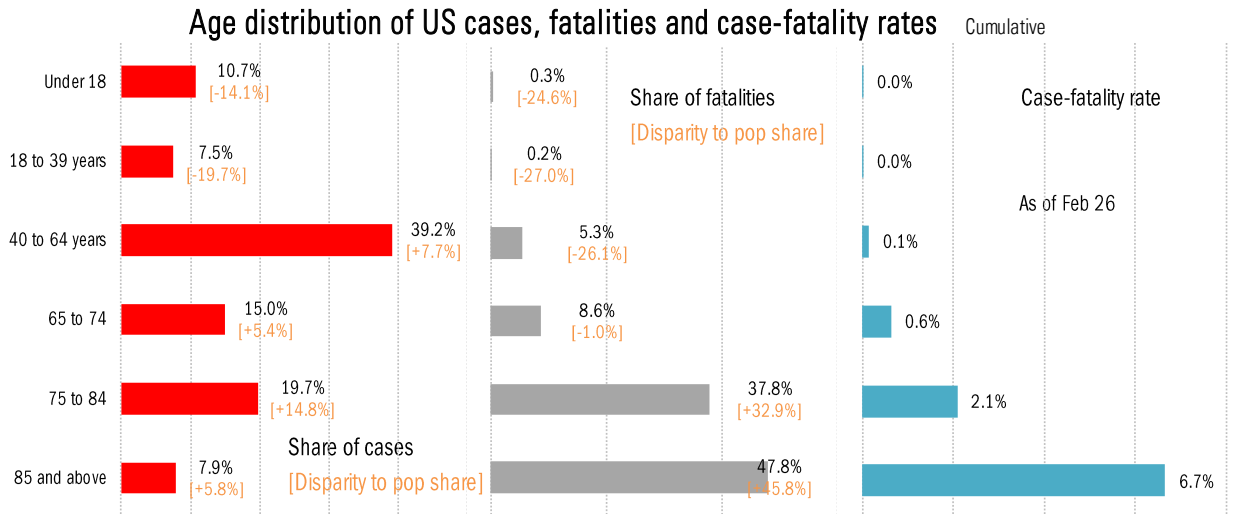


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

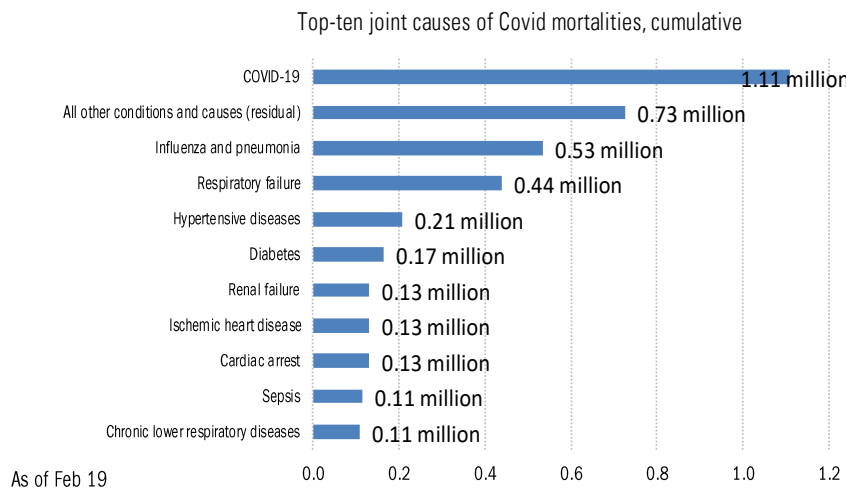
# US deep-dive



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

[Wray publicly comments on the FBI's position on COVID's origins, adding political fire](#)

NPR

February 28, 2023

[Hawley and Braun Reintroduce Bill Requiring Biden to Declassify Wuhan Lab Leak Intelligence](#)

Josh Hawley

February 27, 2023

[EXCLUSIVE: Hawley Demands Department of Energy Explain COVID Lab Leak Conclusion, Ties to China](#)

Henry Rodgers

Daily Caller

February 28, 2023

[WH Tells RCP Biden Supports 'Safe and Secure' Gain-of-Function Research](#)

Philip Wegmann

RealClear Politics

February 27, 2023

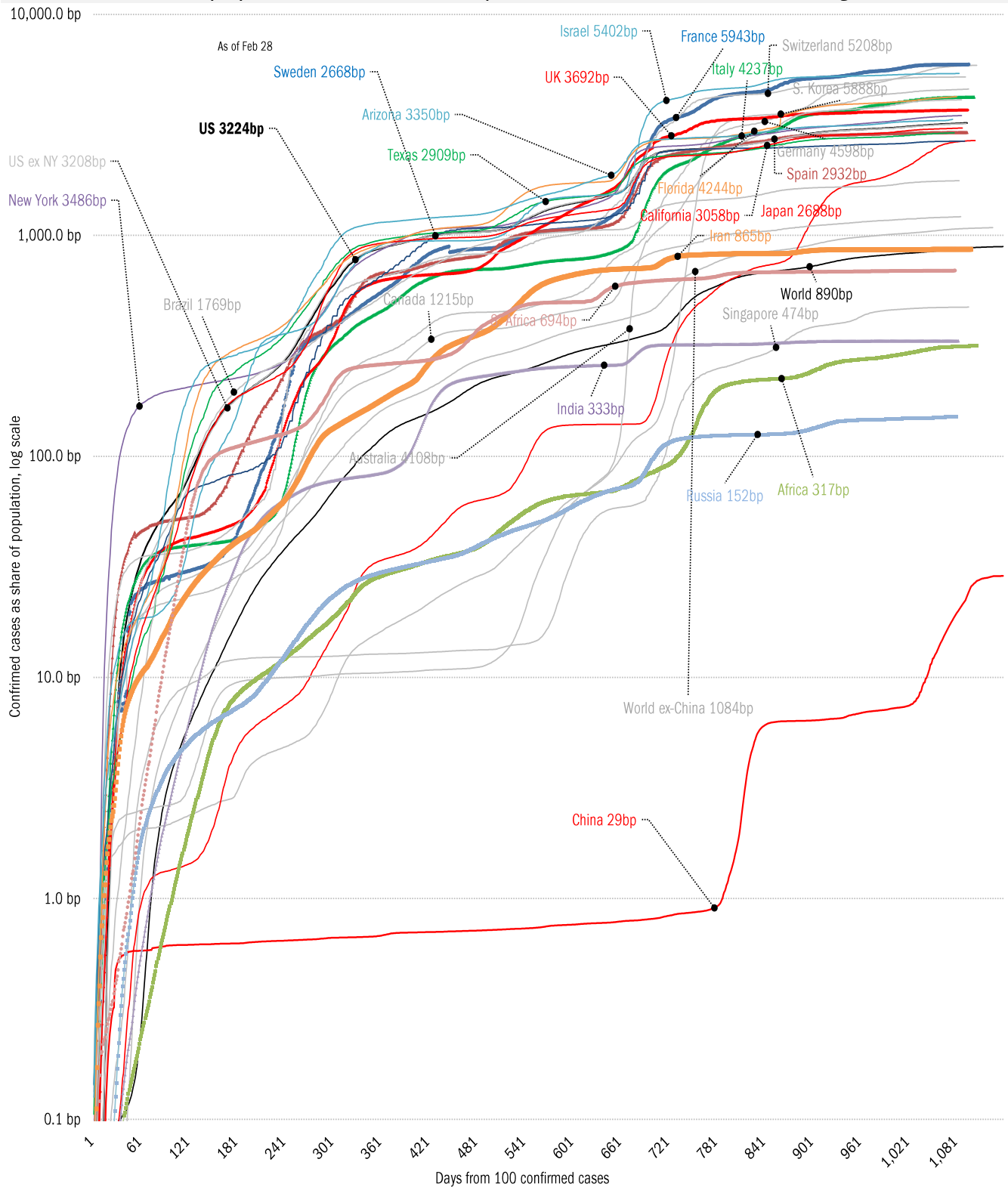
Meme of the Day      Generative AI image from prompt: *Covid wuhan lab leak virus infection pandemic coronavirus, maoist poster*      [Made with Stable Diffusion 1.5](#)



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

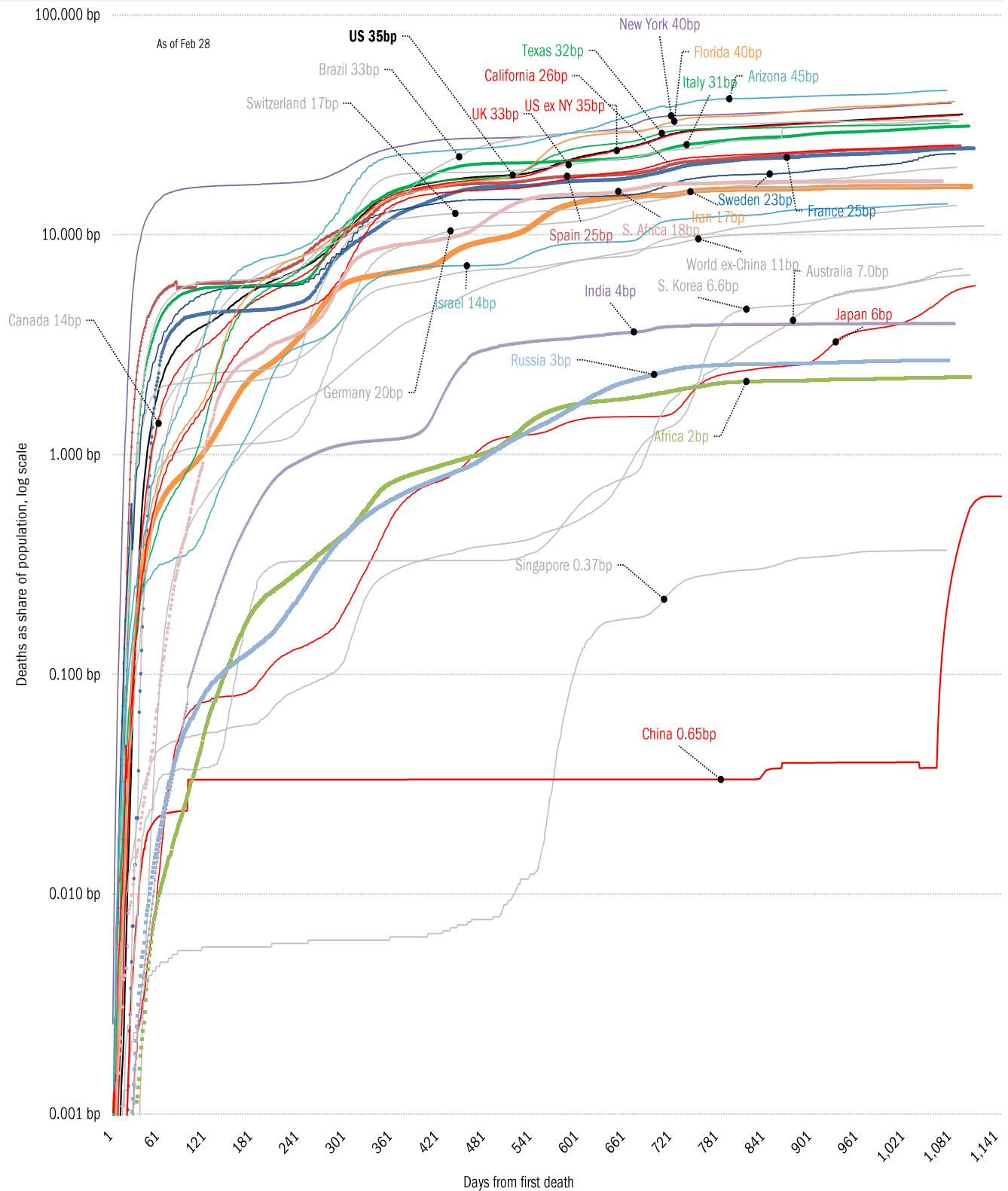
# The global coronavirus case accelerometer... tracking the world's infection curves

*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*



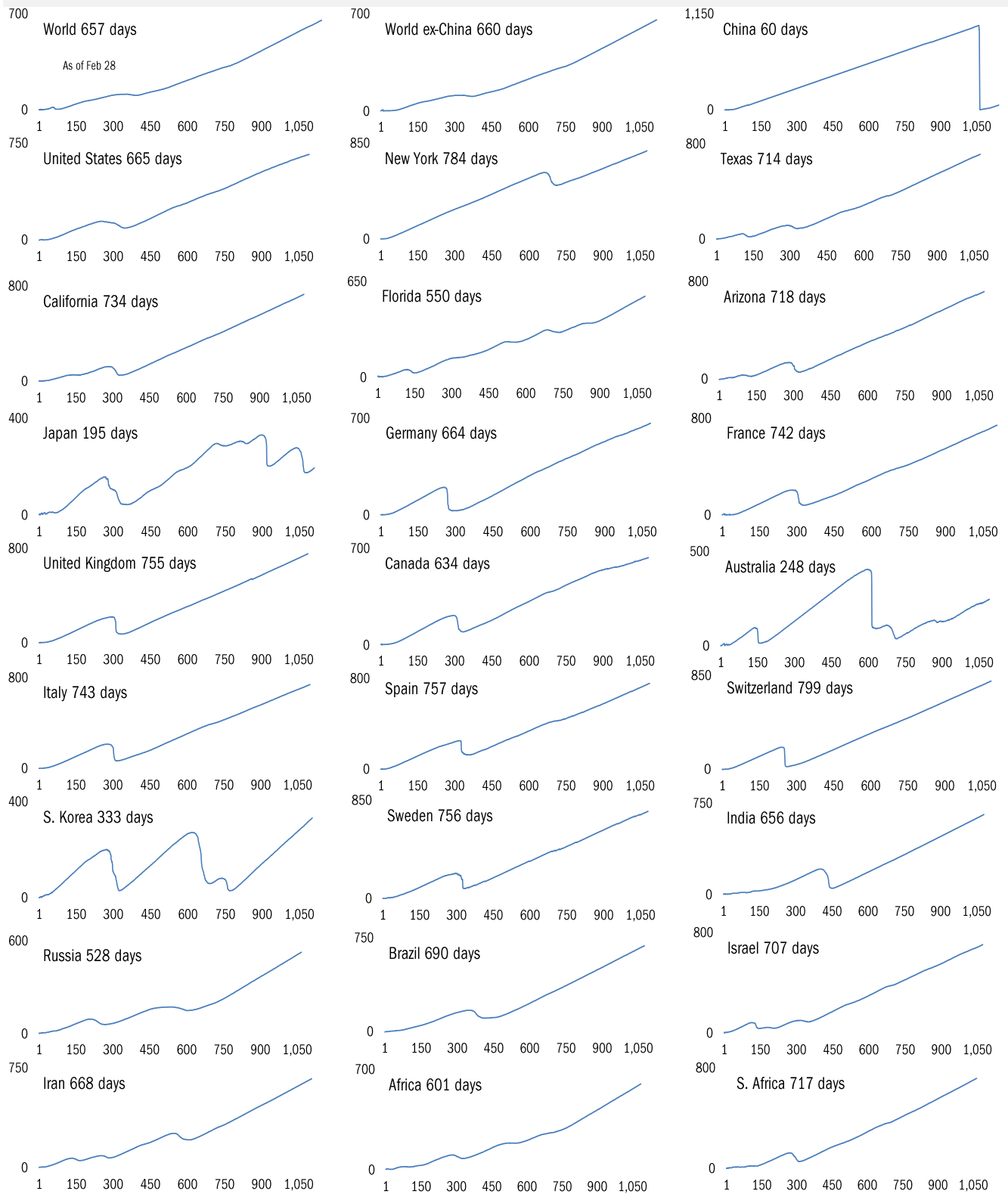
Source: [Johns Hopkins](#), TrendMacro calculations



# 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

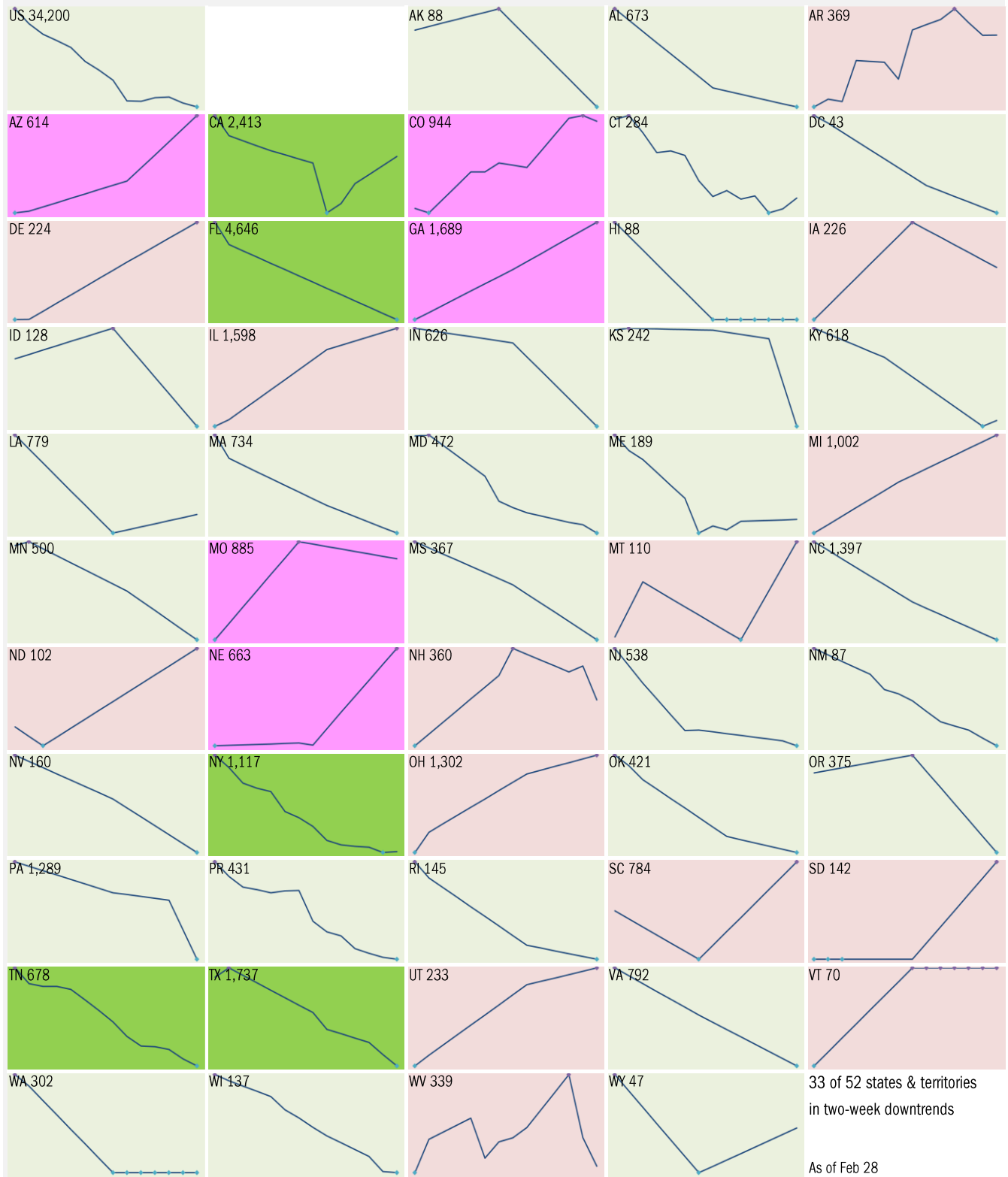


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

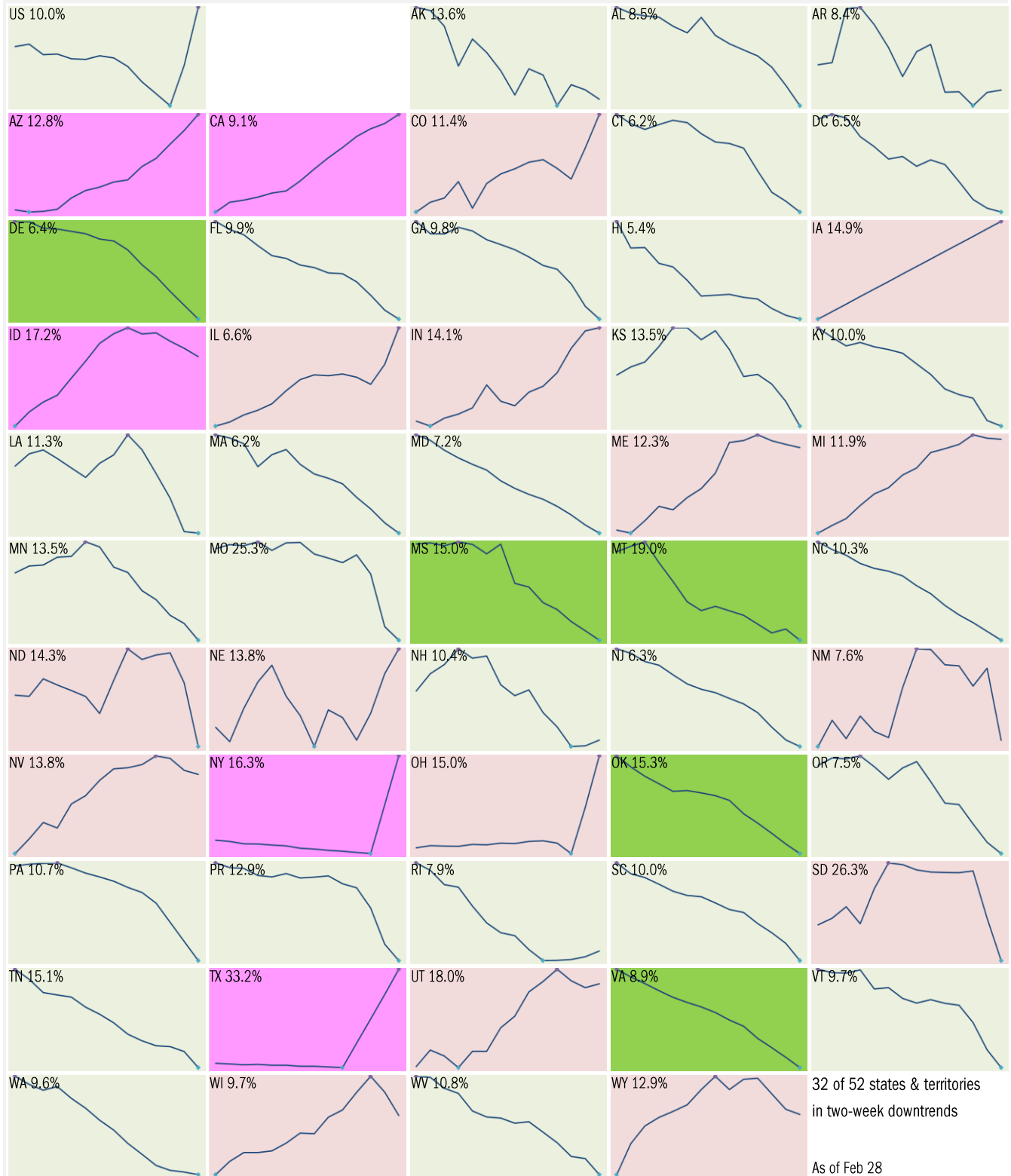


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

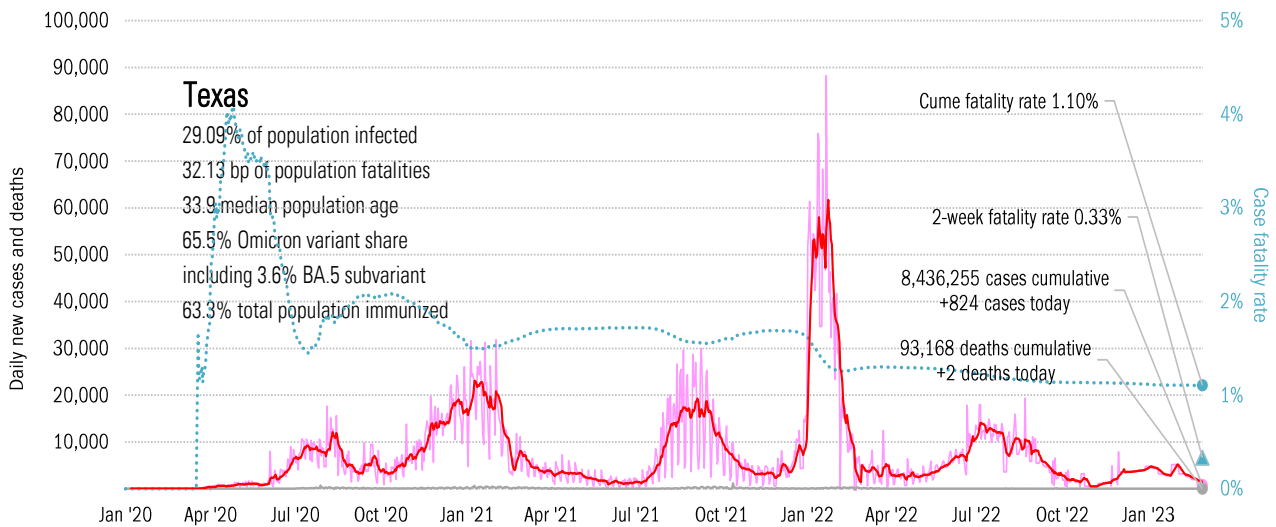
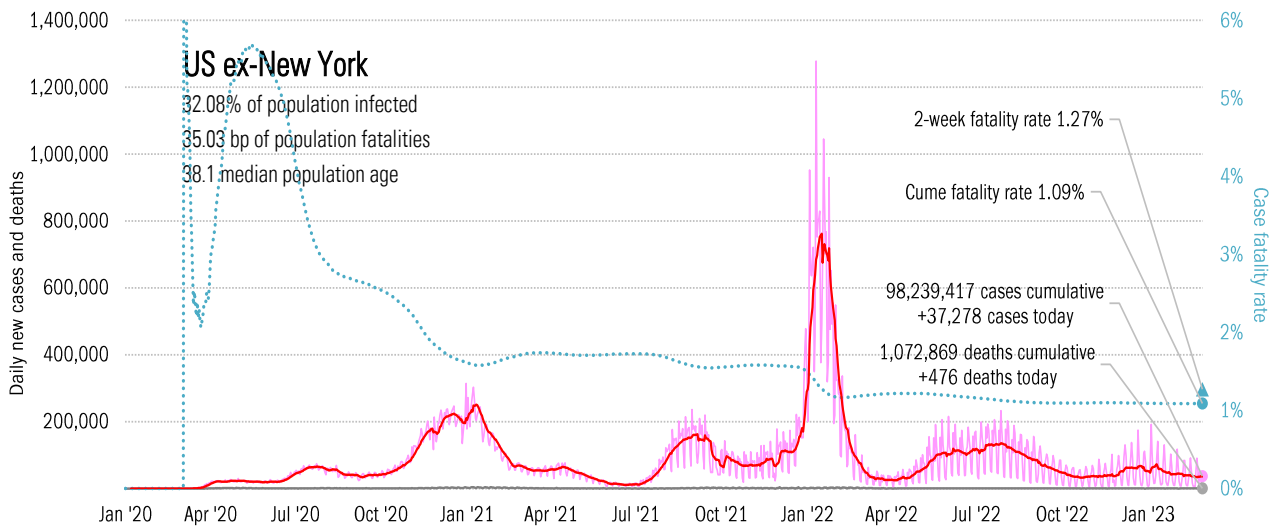
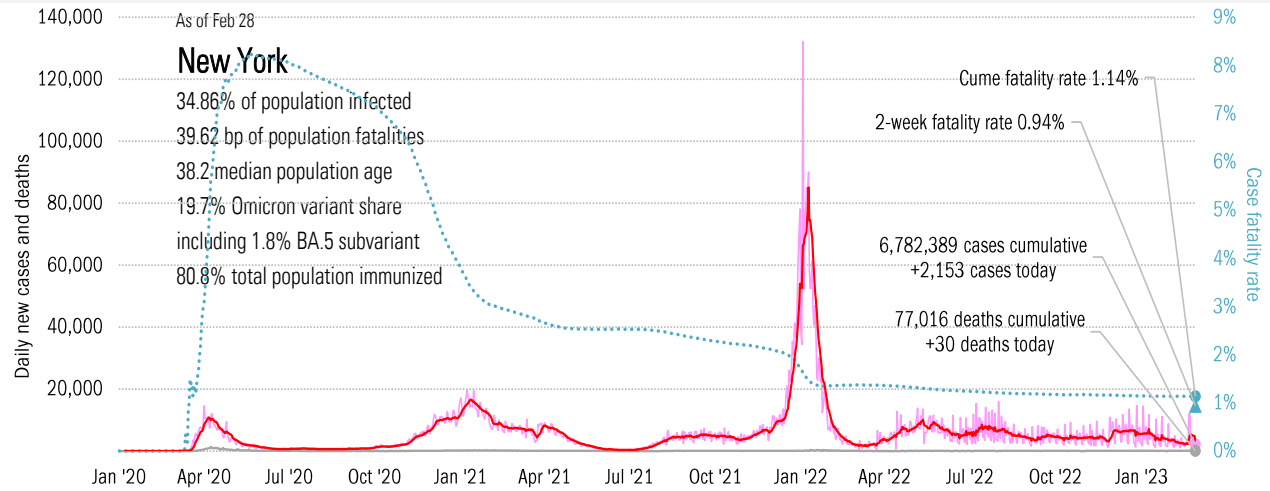
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

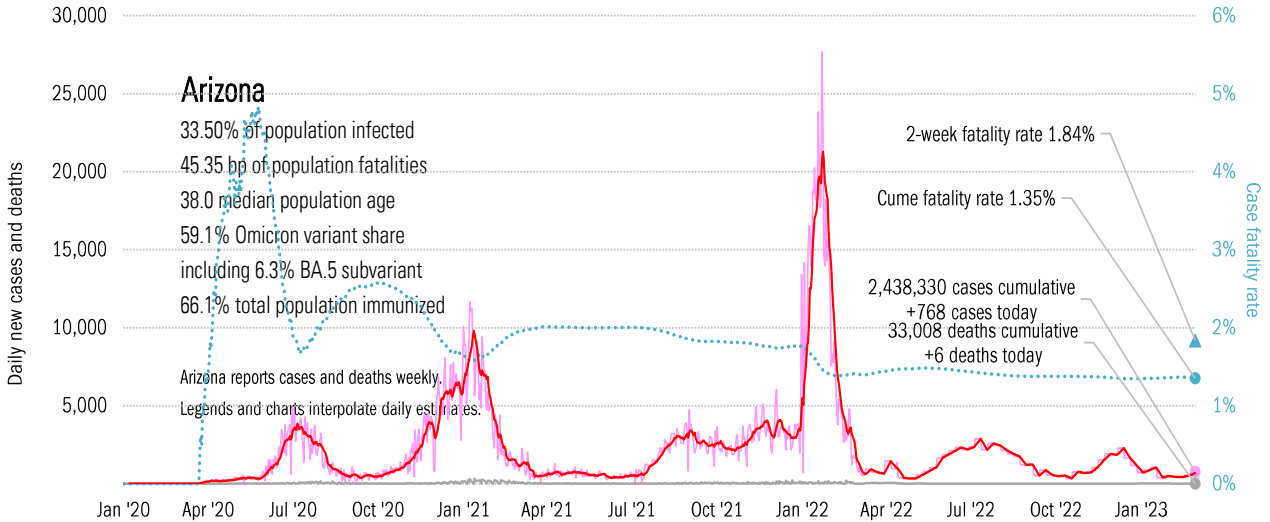
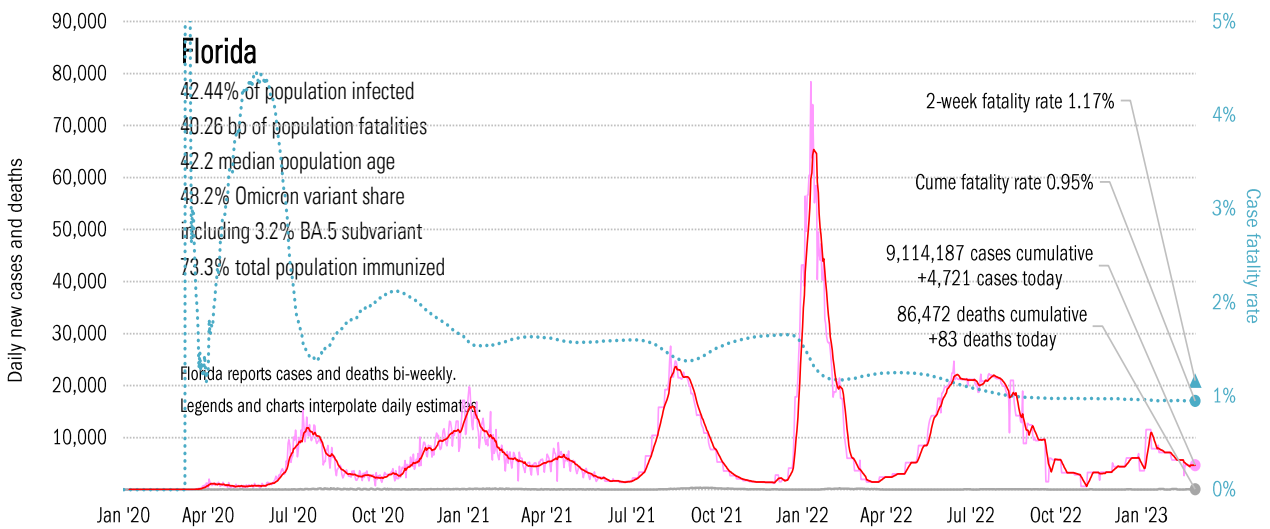
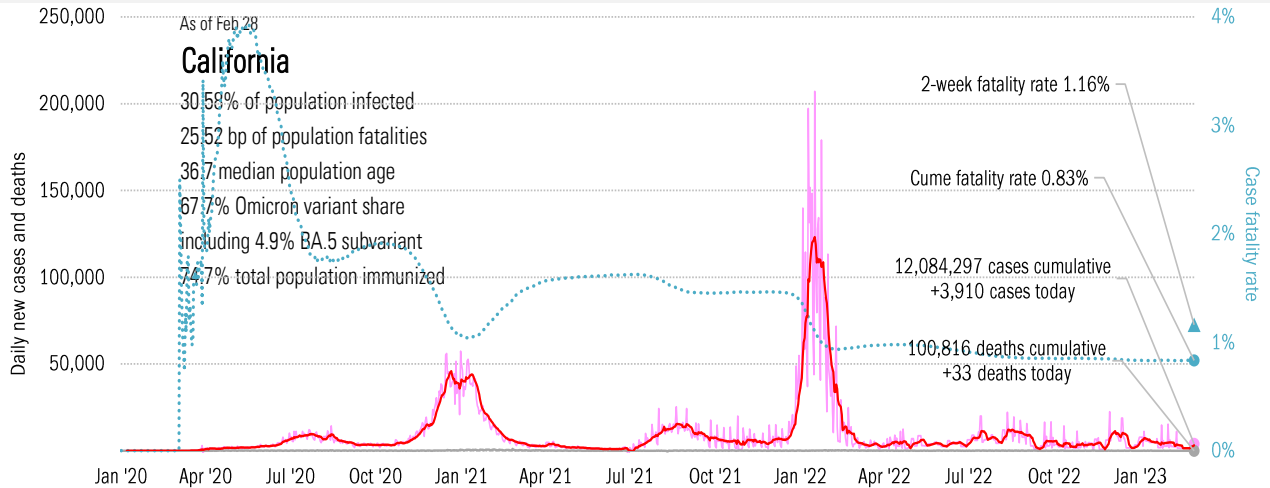
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

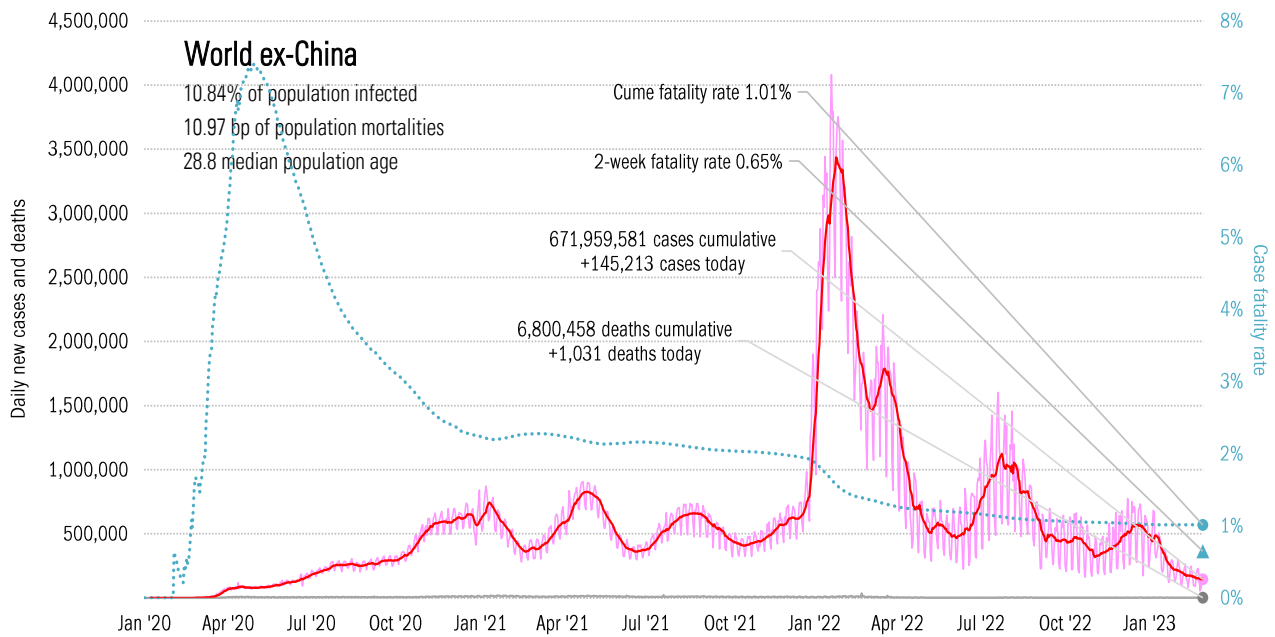
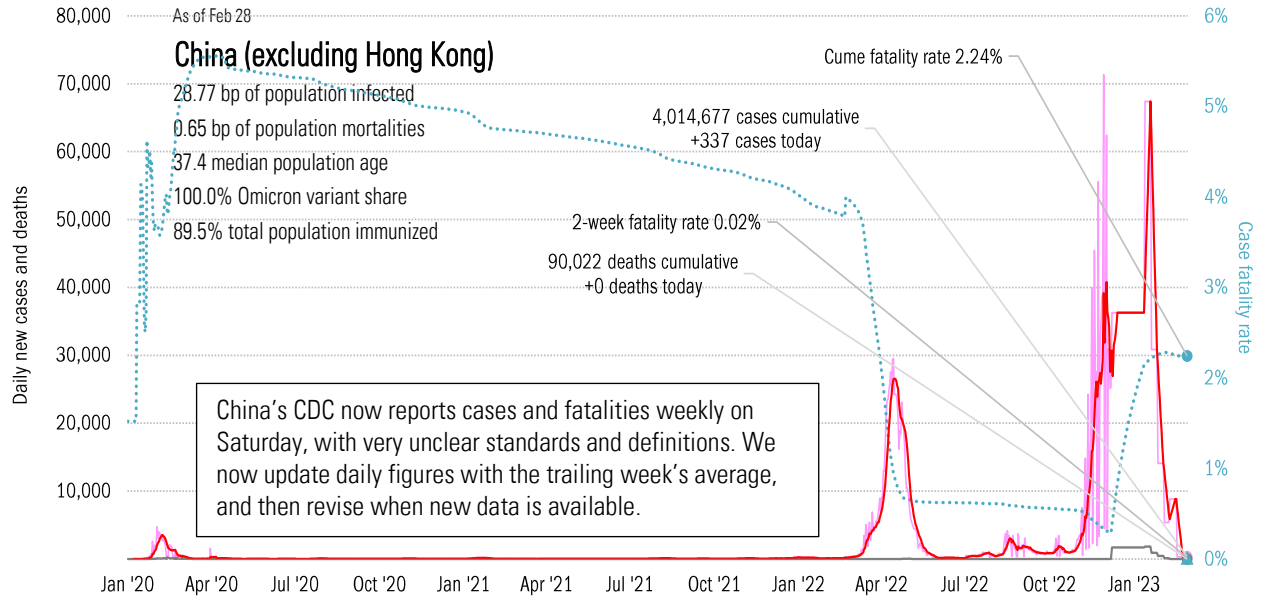
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

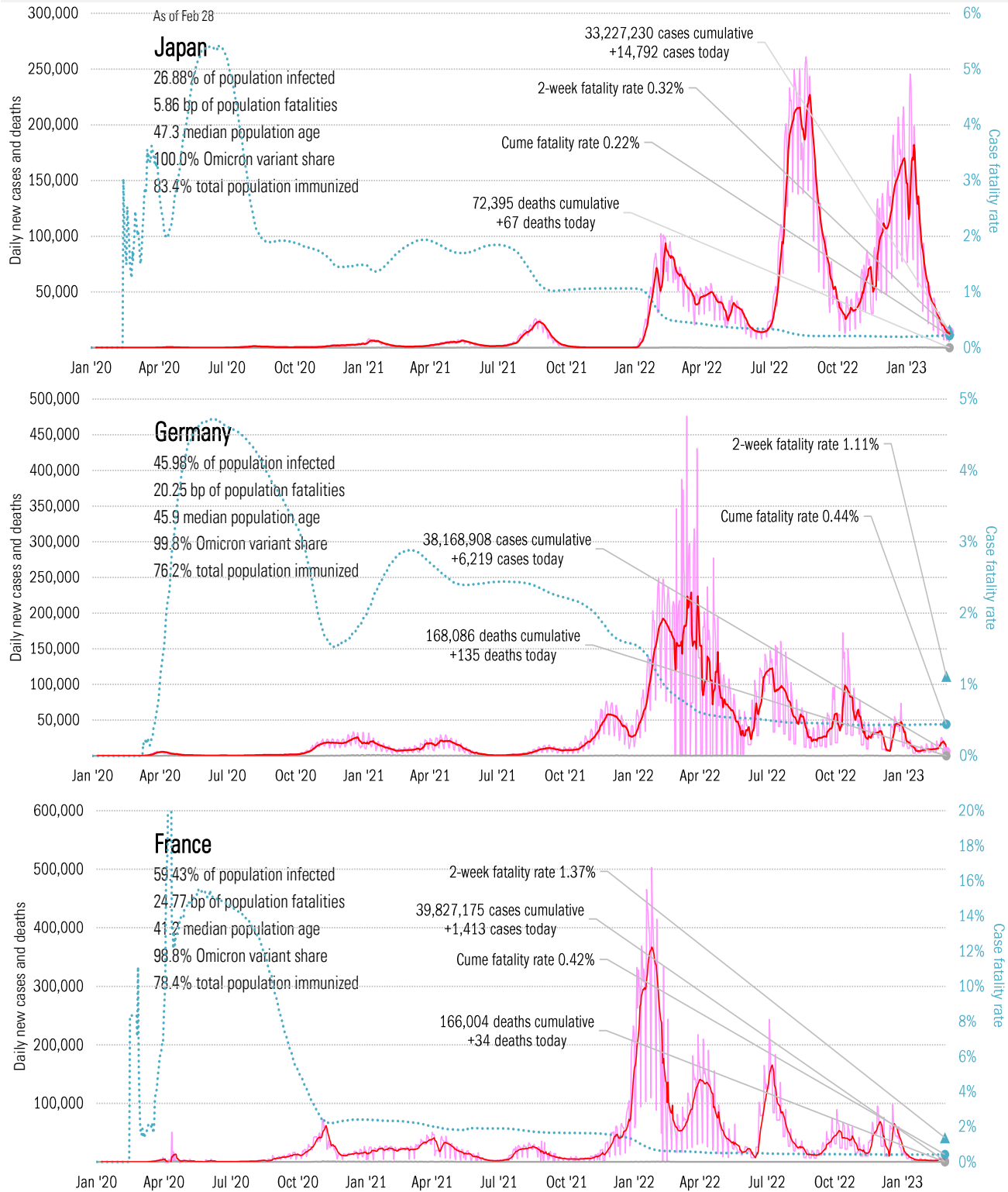


Source: [Johns Hopkins](#), [China CDC](#), TrendMacro calculations



# Impact in the largest economies

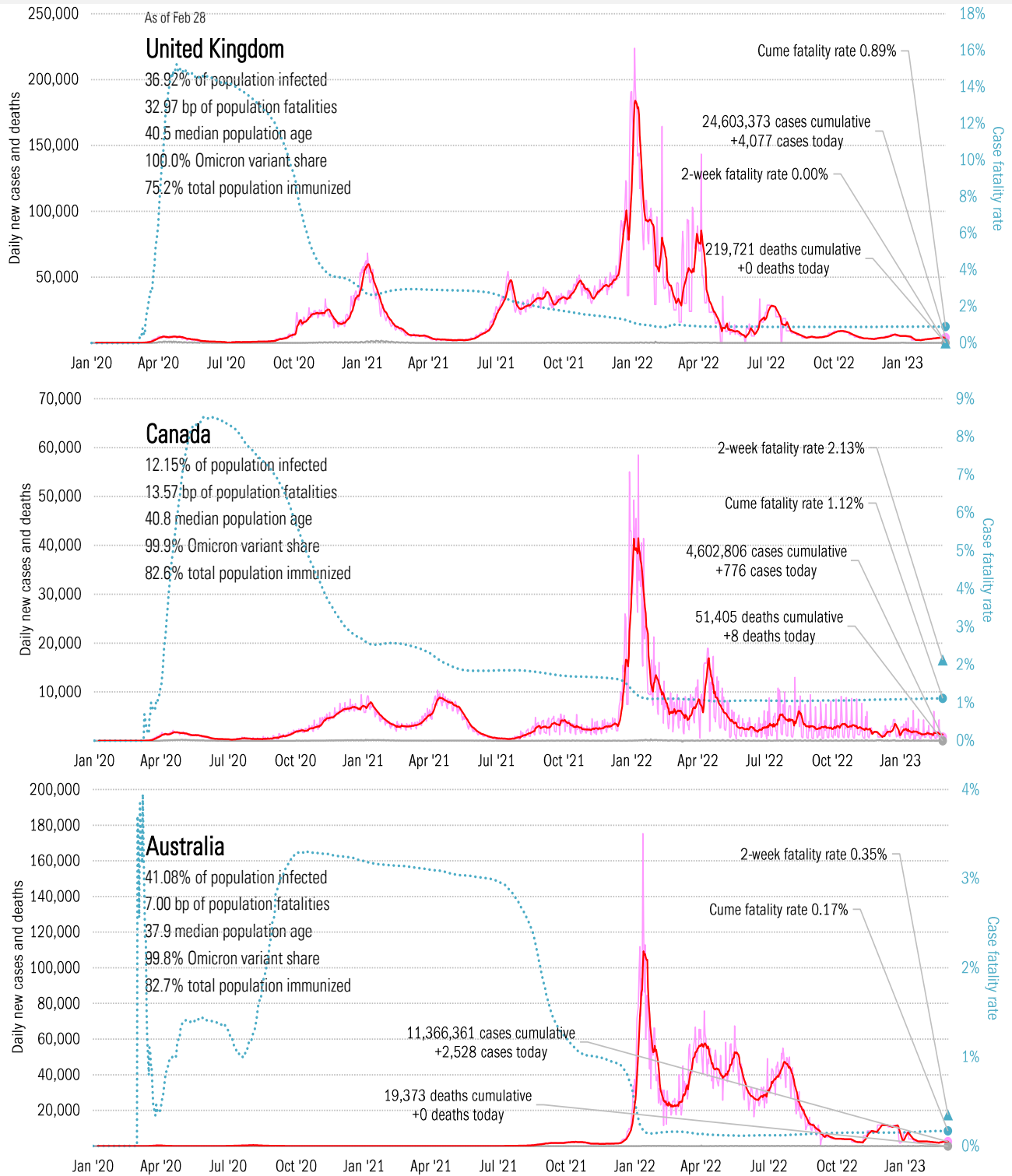
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

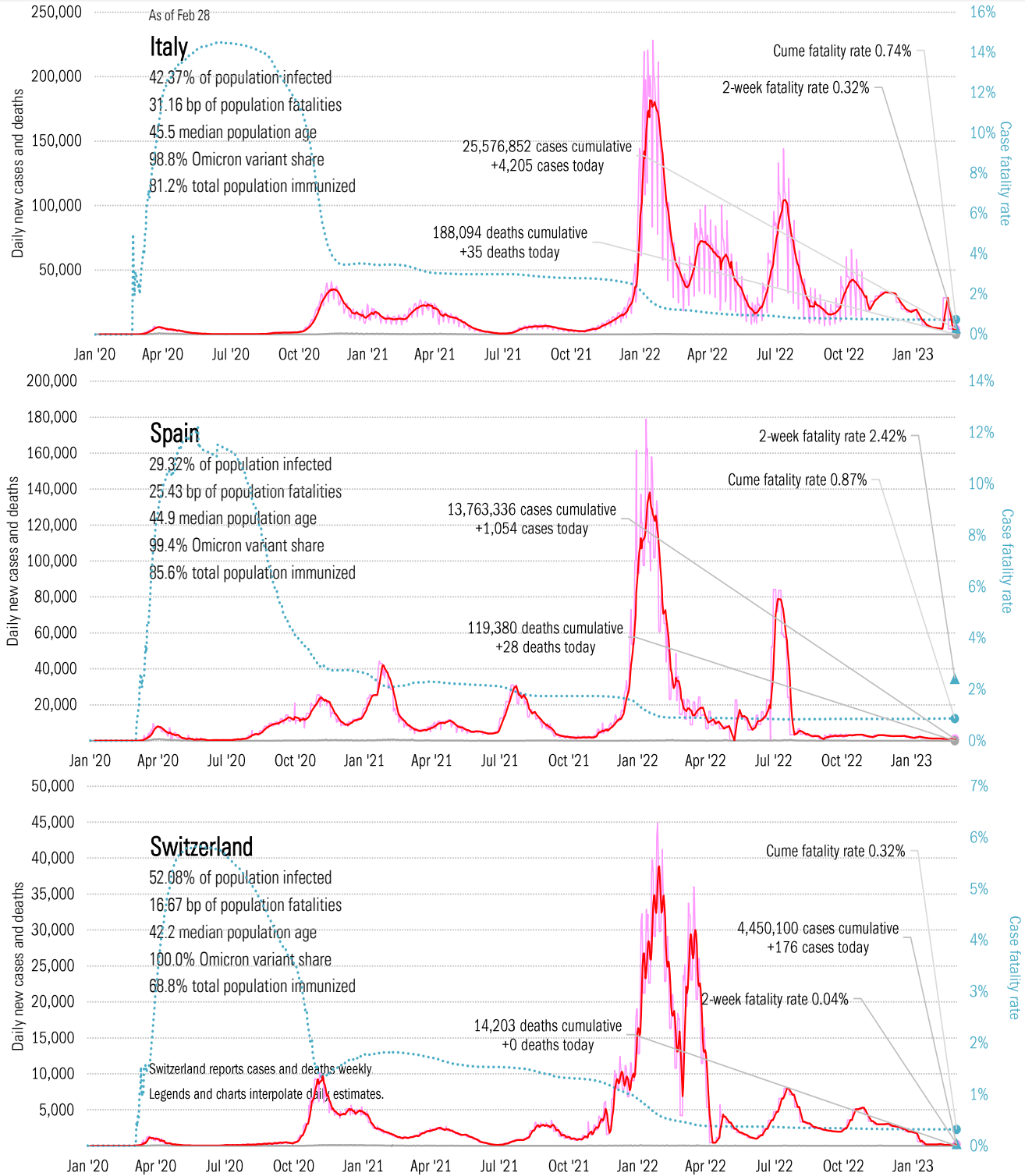
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

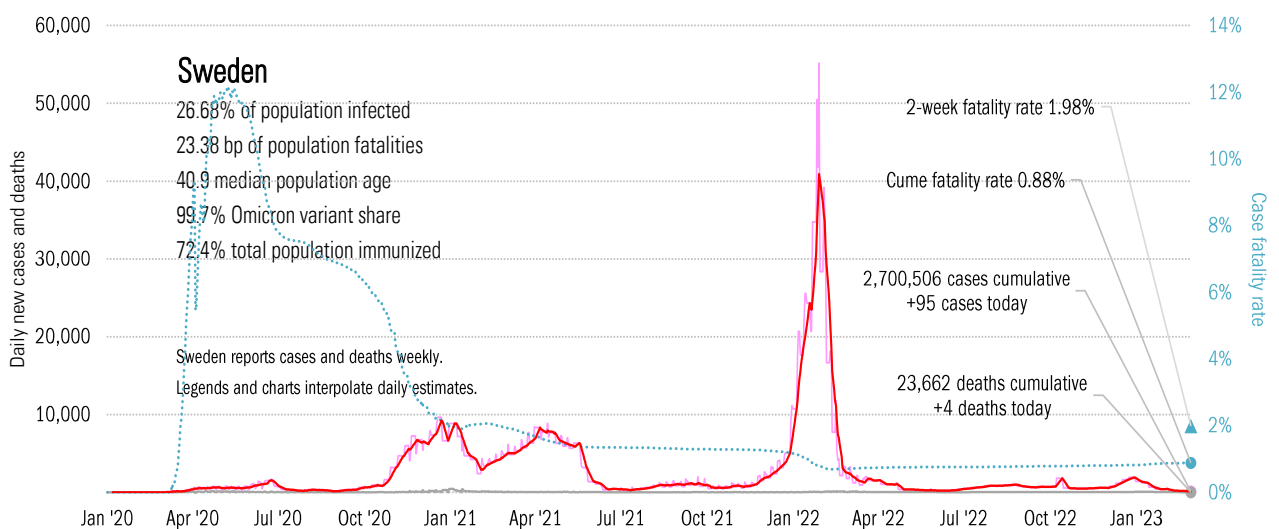
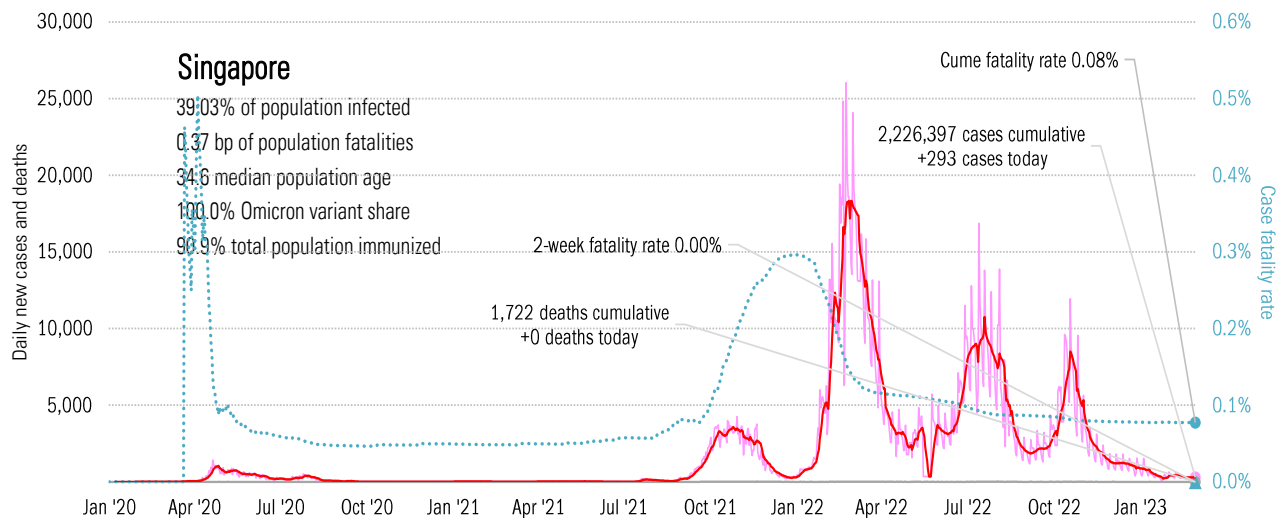
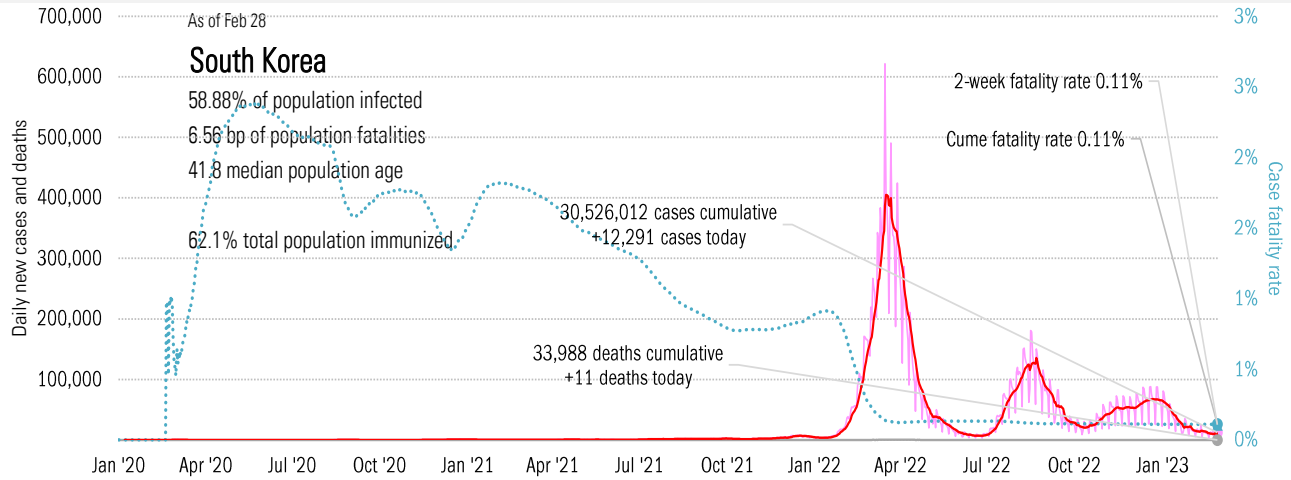
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

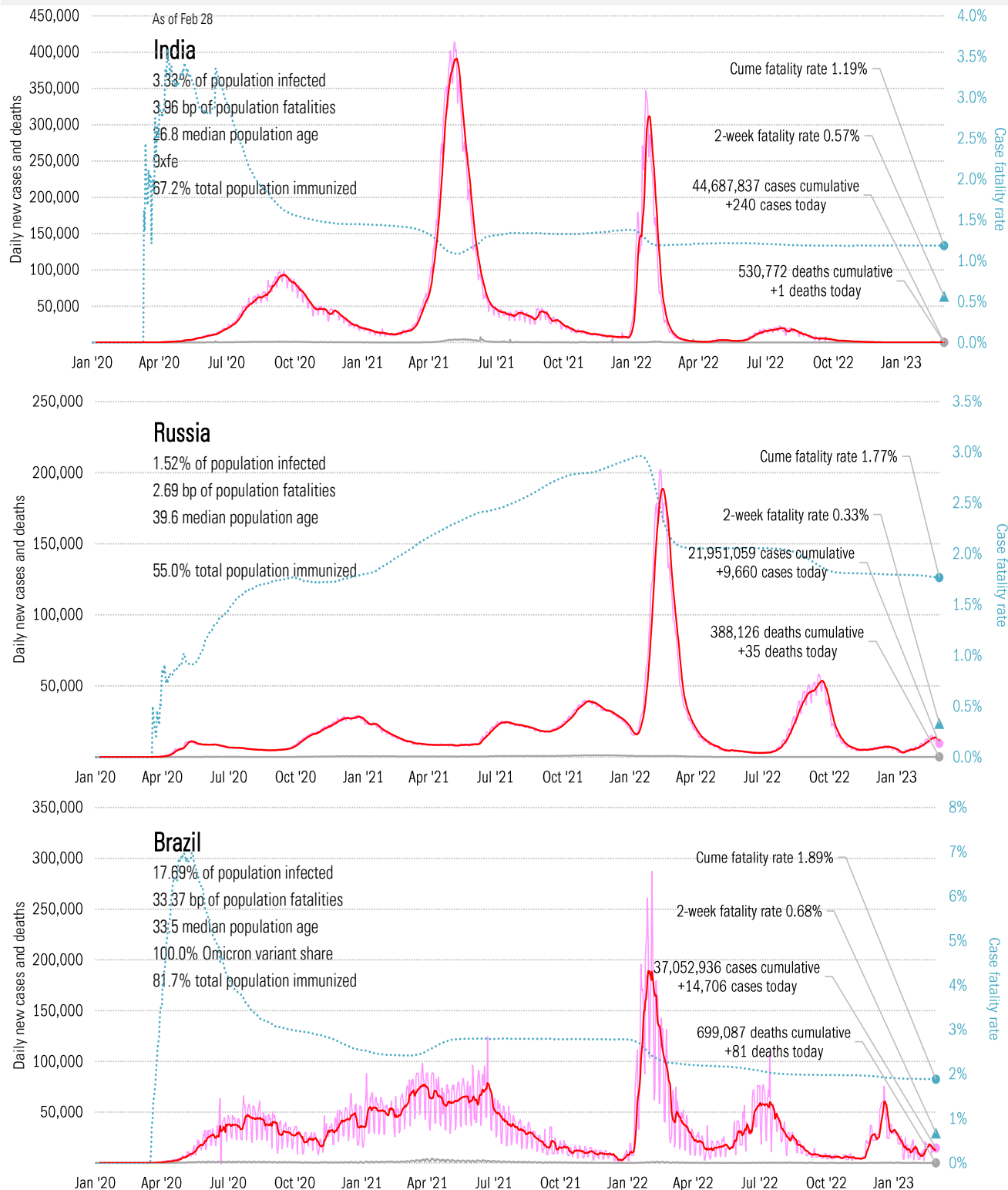
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

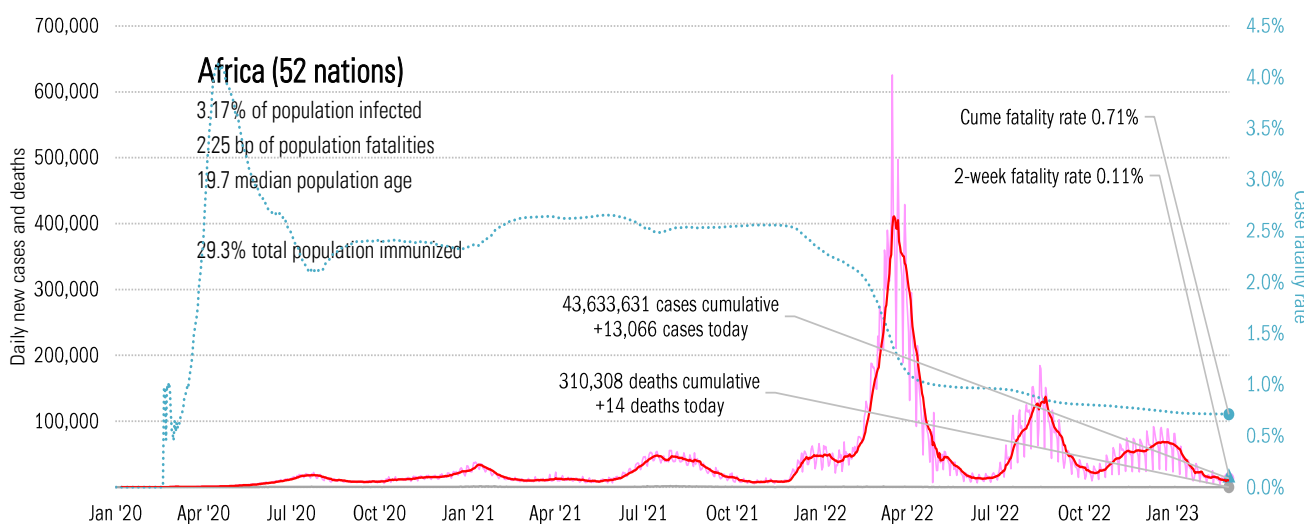
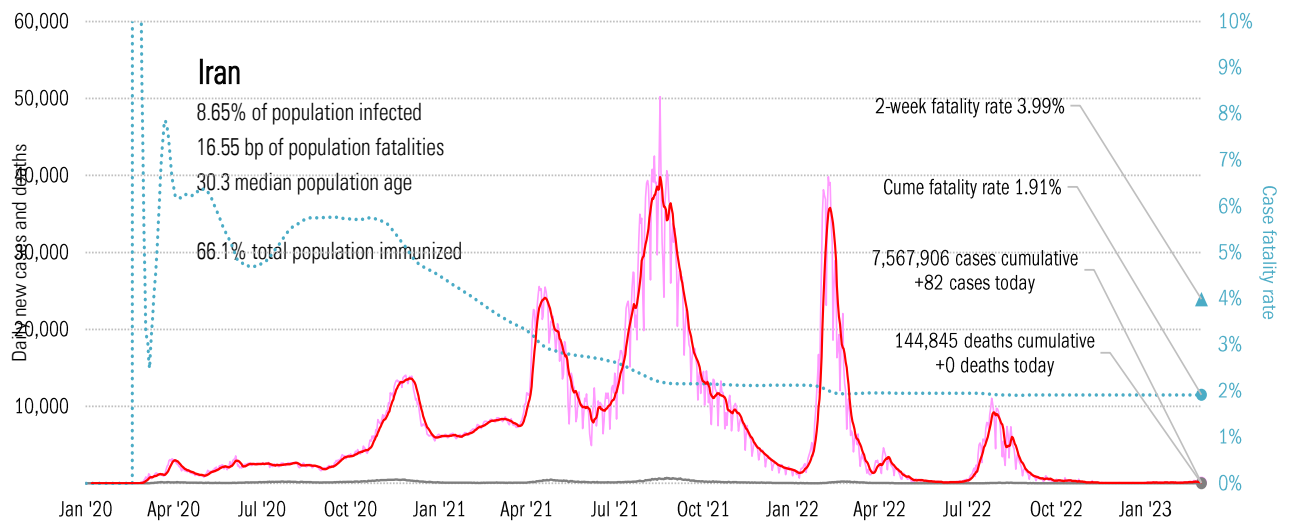
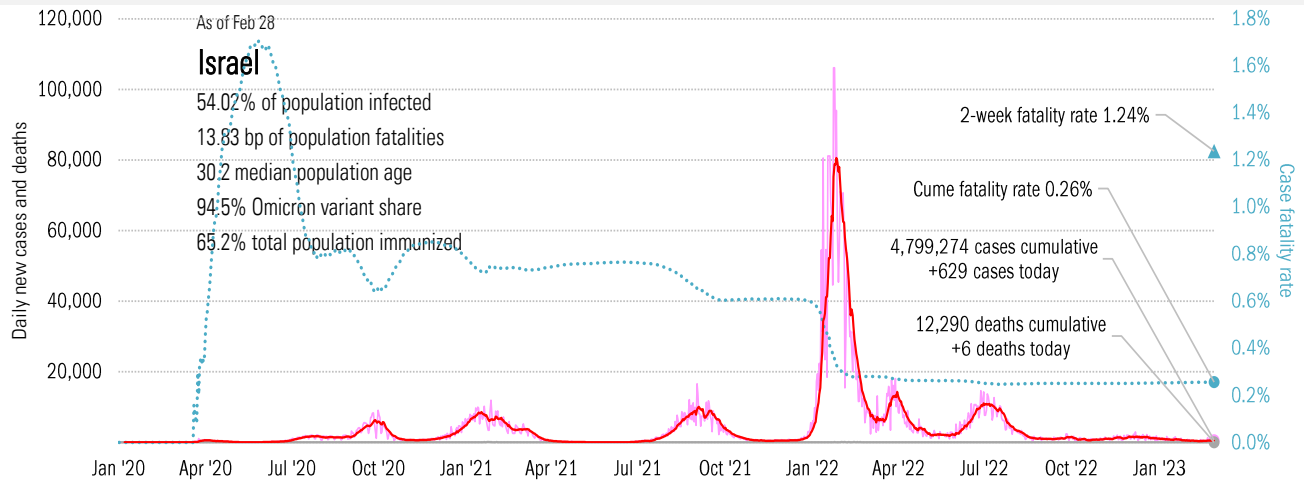
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

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

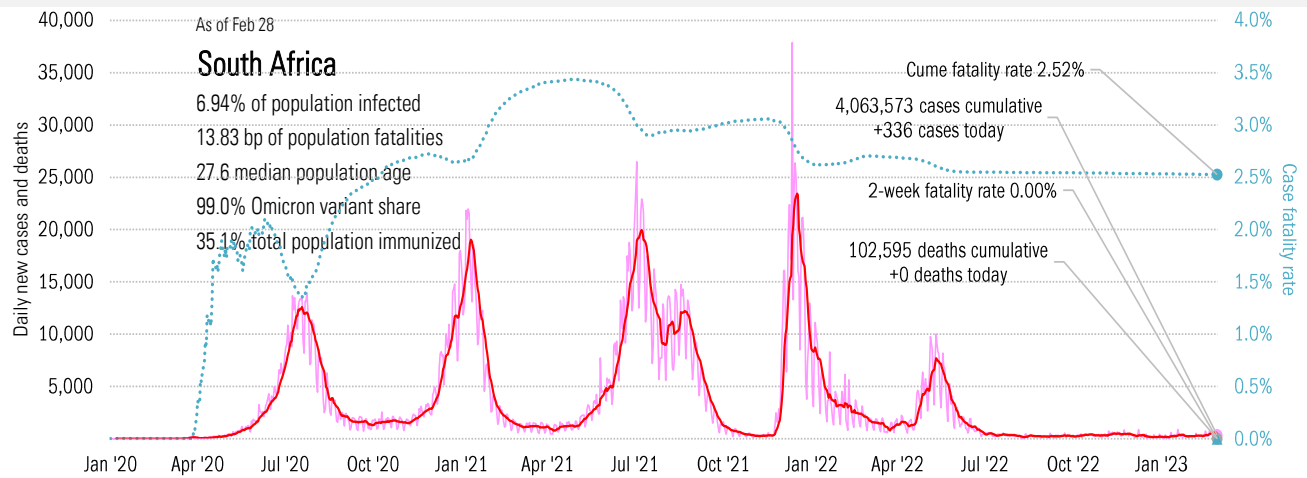


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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