

## Data Insights: Covid-2019 Monitor

Thursday, March 2, 2023

### The global scorecard

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

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

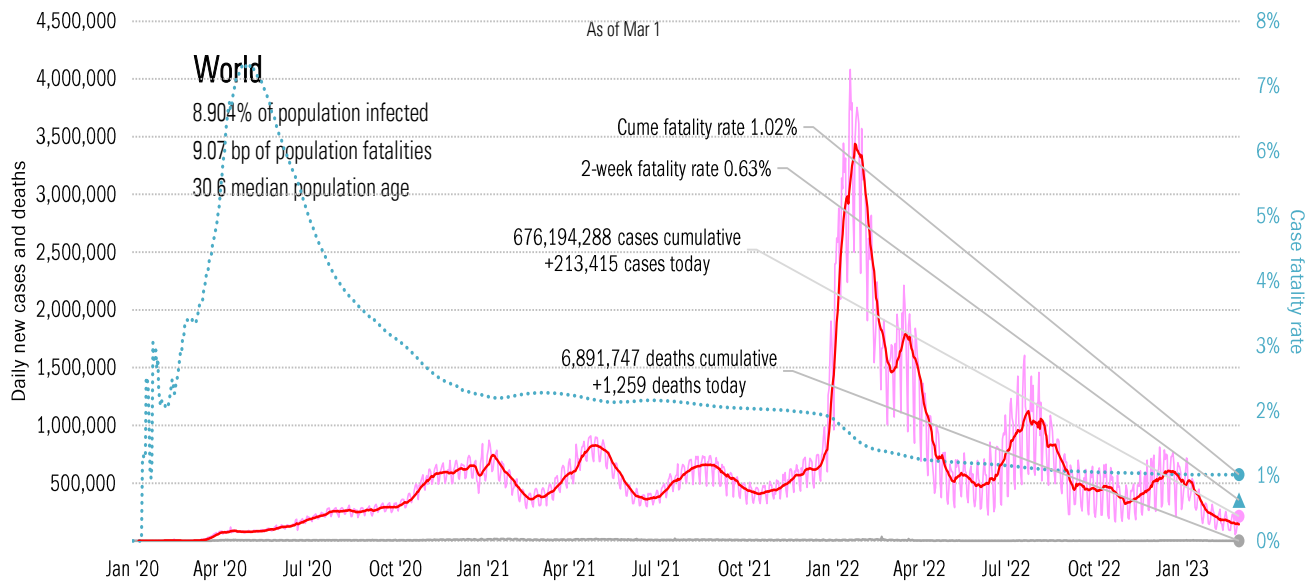
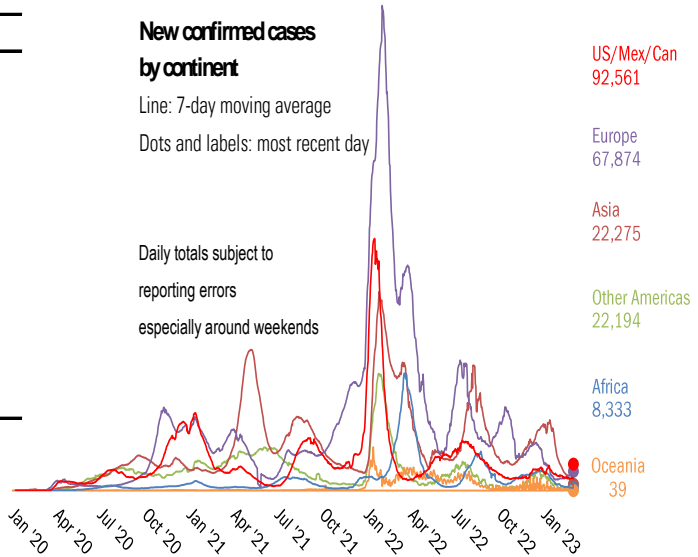
New cases		New Deaths	
United States	48,734	United States	407
Japan	13,950	Brazil	110
Russia	13,379	Japan	99
Brazil	10,528	Germany	89
Mexico	8,431	Portugal	63
Austria	8,322	Ukraine	60
Korea, South	7,561	Canada	50
Ukraine	7,403	Mexico	50
Costa Rica	5,109	Russia	37
Germany	4,209	Ireland	36
<b>127,626</b>		<b>1,001</b>	
World	213,415	World	1,259
Top ten	60%	Top ten	80%

#### 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

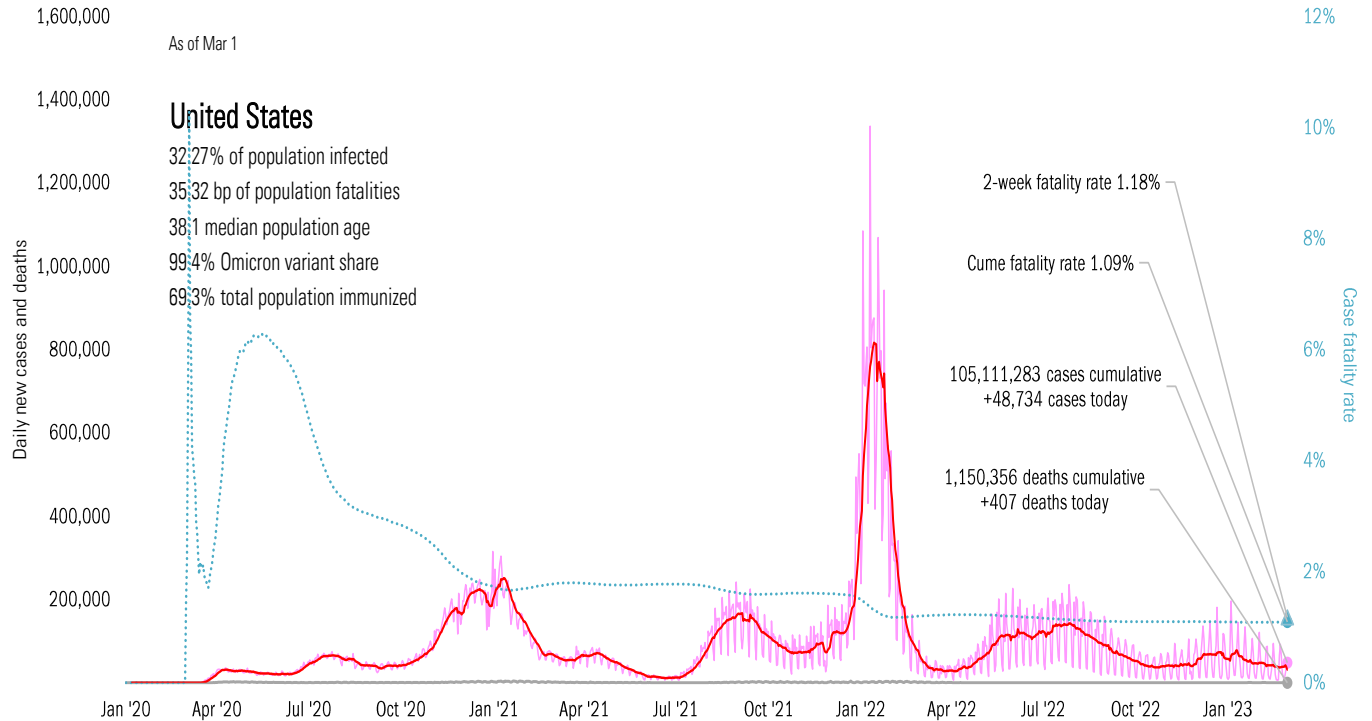
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use									
IL	10,772		FL	83		NC	123		CA	12,084,297		CA	100,830		TX	589,615		MA	87%	AL	88%								
FL	4,721		NE	52		FL	233		TX	8,453,435		TX	93,273		CA	569,113		DC	86%	TX	85%								
IN	4,553		NY	27		MA	105		FL	7,516,906		FL	86,294		FL	533,587		DE	85%	WV	85%								
CA	3,910		MI	20		NY	204		NY	6,782,812		NY	77,043		NY	355,154		RI	85%	DC	84%								
TX	2,454		PA	16		CA	439		IL	4,072,972		PA	50,281		CH	244,637		WV	85%	NC	83%								
KS	1,900		MA	15		UT	26		PA	3,520,813		GA	42,427		GA	242,582		MN	85%	MA	82%								
NE	1,327		CA	14		AR	26		NC	3,467,226		MI	42,096		PA	231,031		CT	83%	AK	81%								
CH	1,305		MD	14		AL	49		CH	3,382,995		CH	41,686		IL	214,185		AK	83%	CK	81%								
PA	1,181		GA	14		MO	63		GA	3,065,390		IL	41,443		MI	180,937		WA	82%	AR	81%								
NC	1,089		IL	11		TN	66		MI	3,057,222		NJ	35,982		NJ	163,467		MO	82%	RI	81%								
33,213			265			1,334			55,404,068			611,355			3,324,308														
All states			48,734			407			2,985			All states			105,111,283			1,150,356			6,022,328			All states		70%		67%	
Top ten			68%			65%			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	-1,730	NJ	-10	TX	-51
MD	-662	WI	-6	CA	-50
NJ	-348	MD	-3	IL	-49
MO	-321	NY	-3	IN	-42
CT	-155	VA	-3	CO	-34

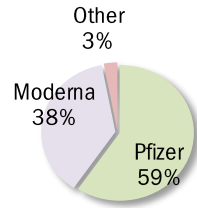


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# 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%



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



AK
73.0%
65.1%

"Immunity" = two doses

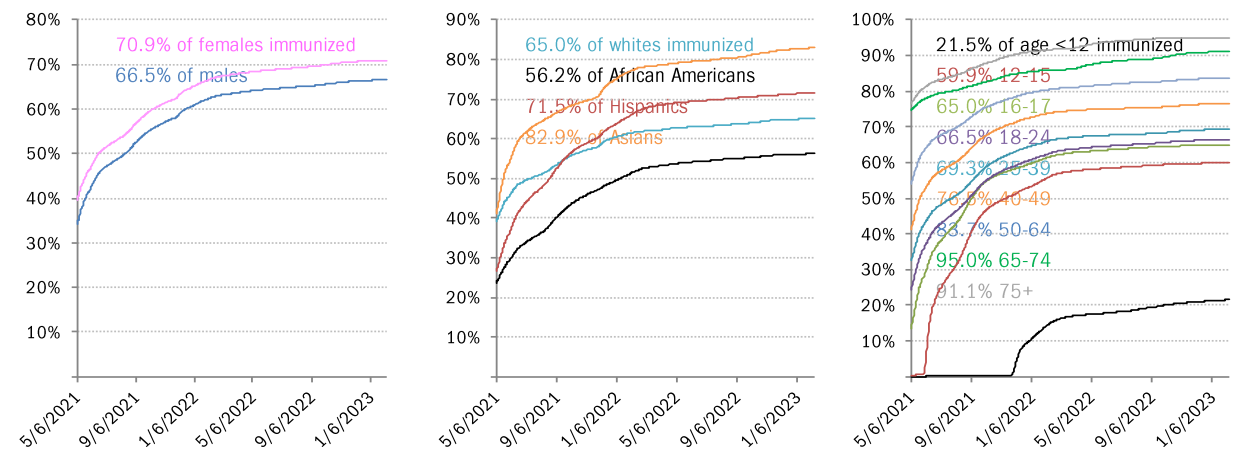
WI
75.1%
68.2%

As of Feb 24

ME
95.0%
83.4%

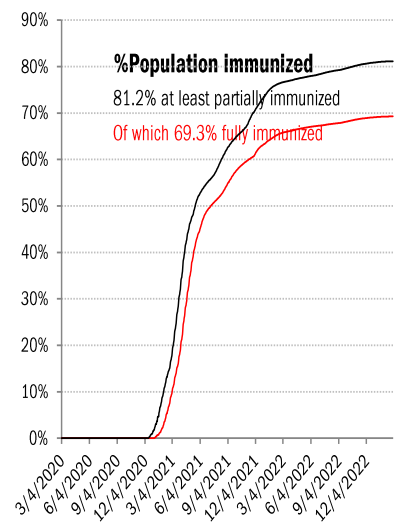
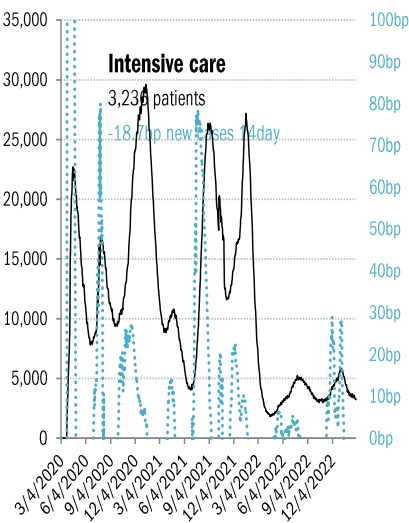
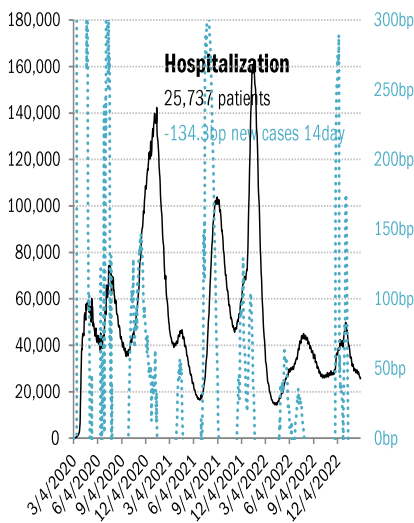
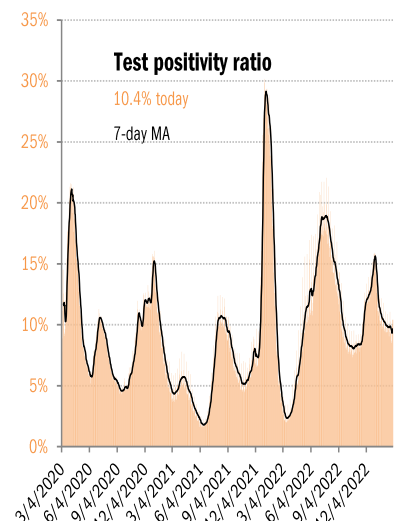
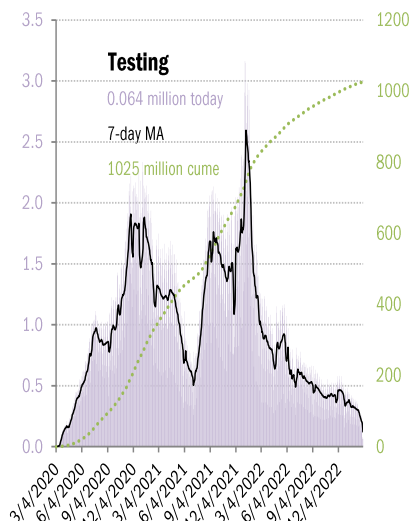
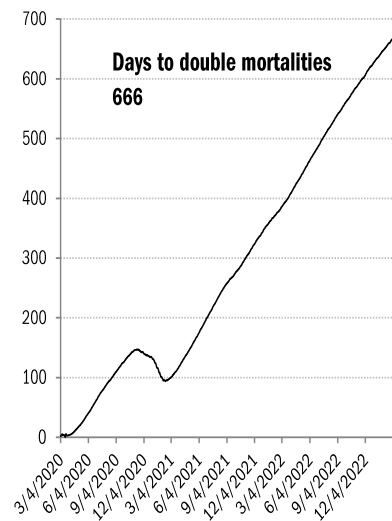
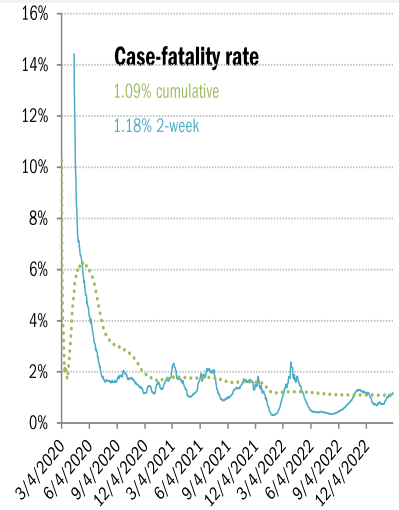
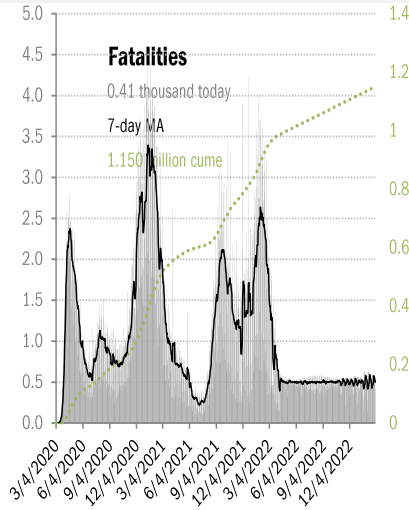
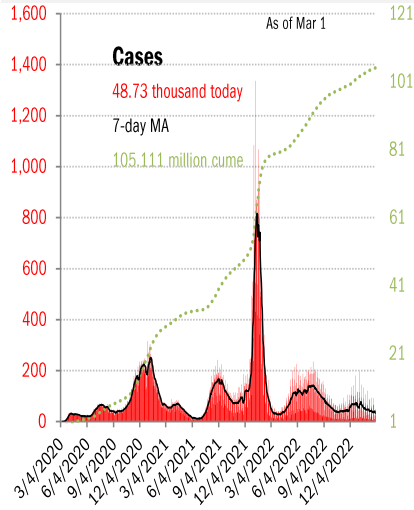
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
85.3%	63.9%	68.3%	69.4%	78.8%	79.2%	69.4%	94.5%	95.0%	88.2%	
76.1%	56.5%	59.2%	58.7%	72.2%	71.4%	62.3%	80.8%	85.7%	72.0%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.7%	77.6%	60.9%	83.9%	70.7%	64.4%	65.8%	90.7%	94.7%	95.0%	
72.4%	63.7%	53.0%	66.3%	64.4%	57.7%	60.5%	73.4%	79.1%	84.3%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

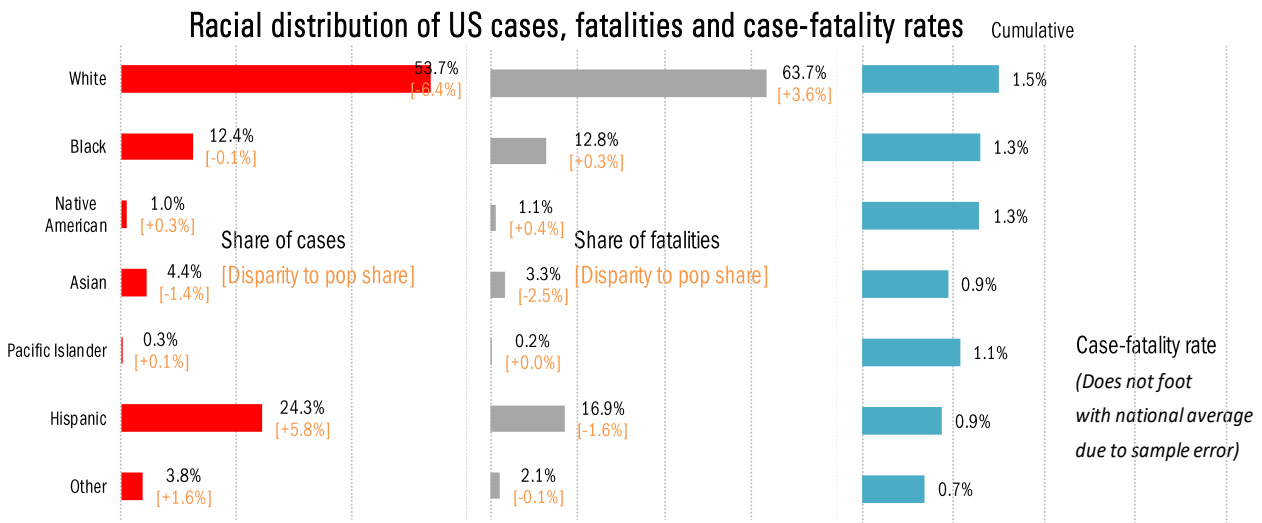
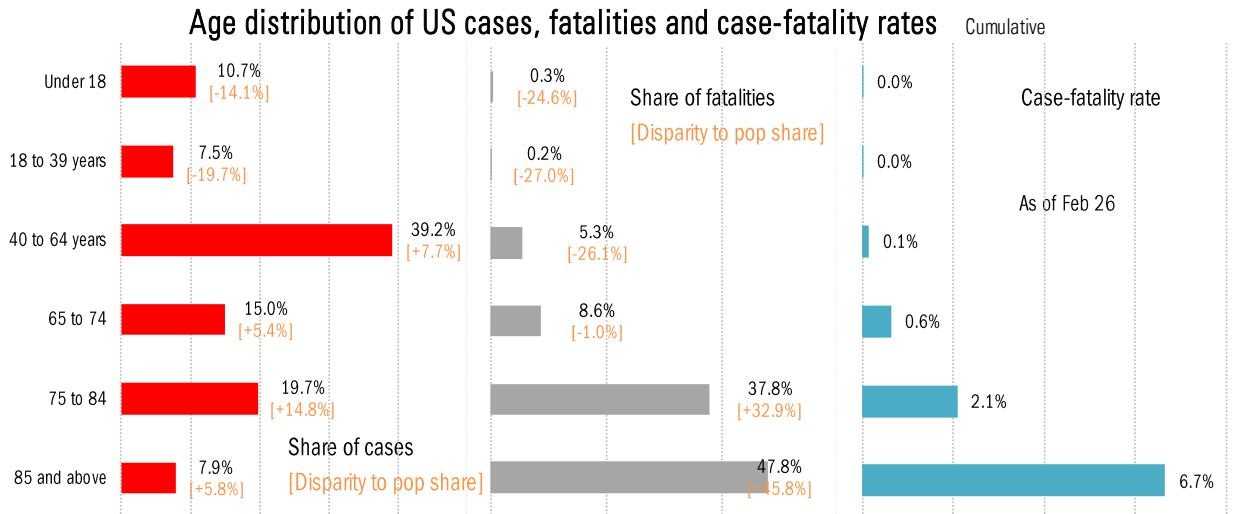


Source: CDC, CDC, Our World in Data, TrendMacro calculations

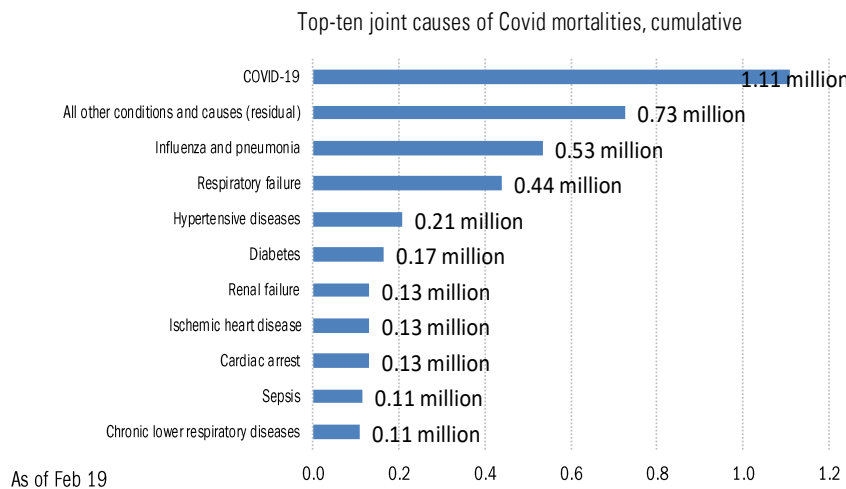
# US deep-dive



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

[Competing US views on origins of Covid reveal deeper splits over China policy](#)

Julian Borger  
*The Guardian*  
March 1, 2023

[Matt Hancock disputes claim he rejected care home Covid advice](#)

Christy Cooney & Becky Morton  
*BBC*  
March 1, 2023

['You cannot hide': Biden administration to go after scammers who stole billions in COVID relief](#)

Michael Collins  
*USA*  
March 2, 2023

[The grim lesson of the Lockdown Files](#)

Thomas Fazi  
*UnHerd*  
March 1, 2023

[He Took His Shoes Off 20 Years Ago. He Hasn't Put Them Back On.](#)

Katherine Rosman  
*New York Times*  
March 1, 2023

[The Lockdown Files](#)

*The Telegraph*  
March 1, 2023

[No One Really Knows How Much COVID Is Silently Spreading ... Again](#)

Katherine J. Wu  
*The Atlantic*  
February 28, 2023

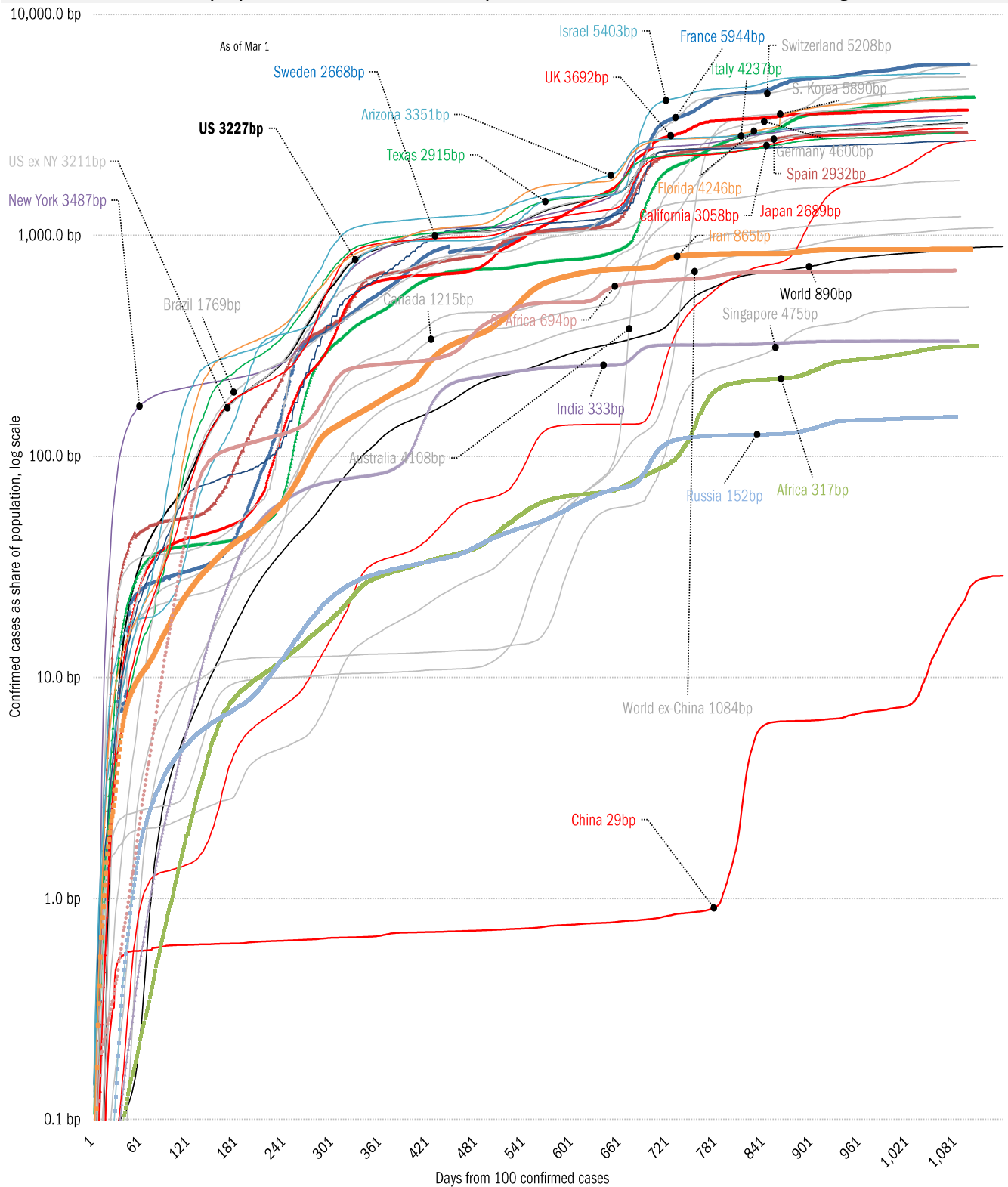
## Meme of the Day



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

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

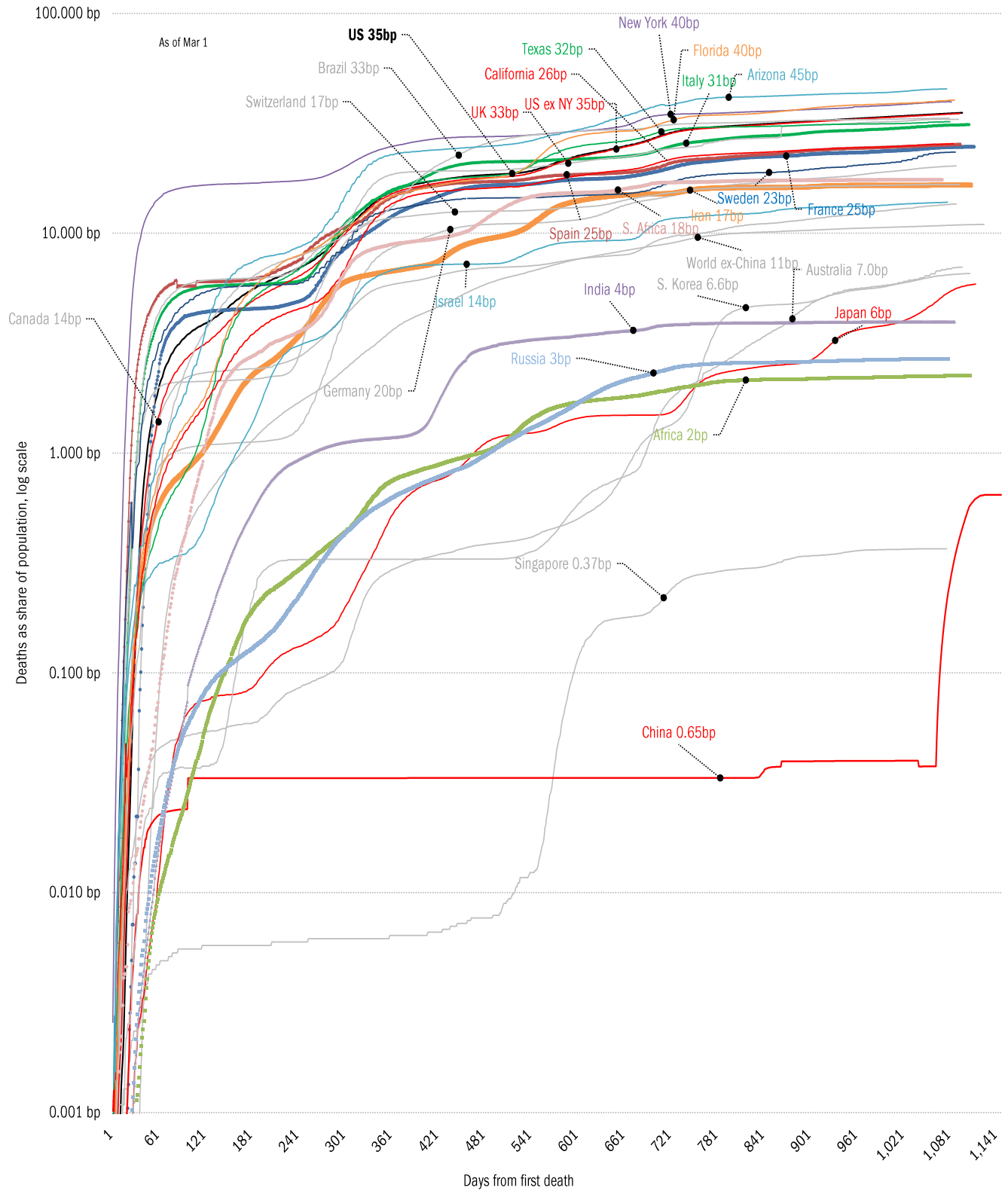
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



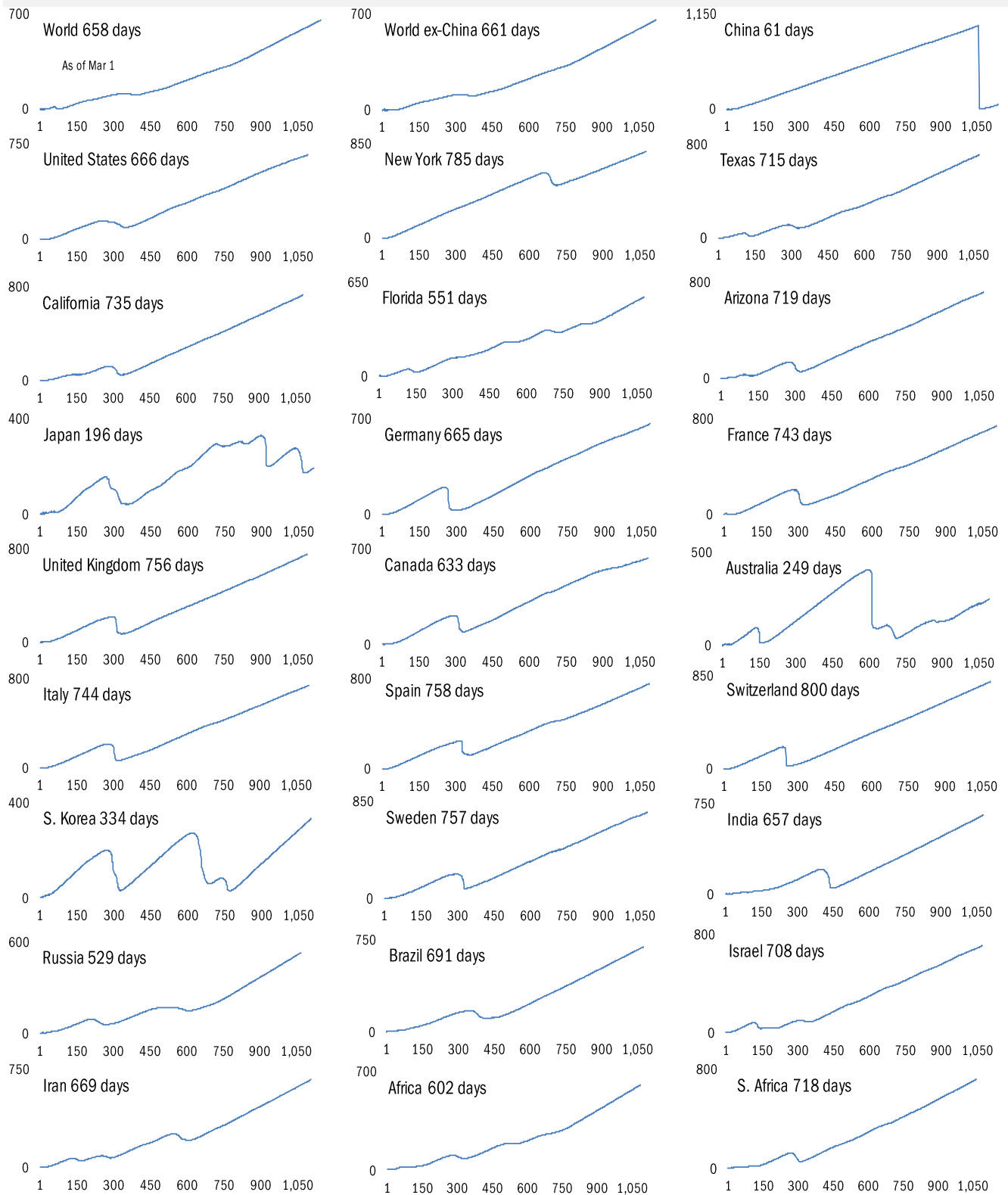
Source: [Johns Hopkins](#), TrendMacro calculations



# 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

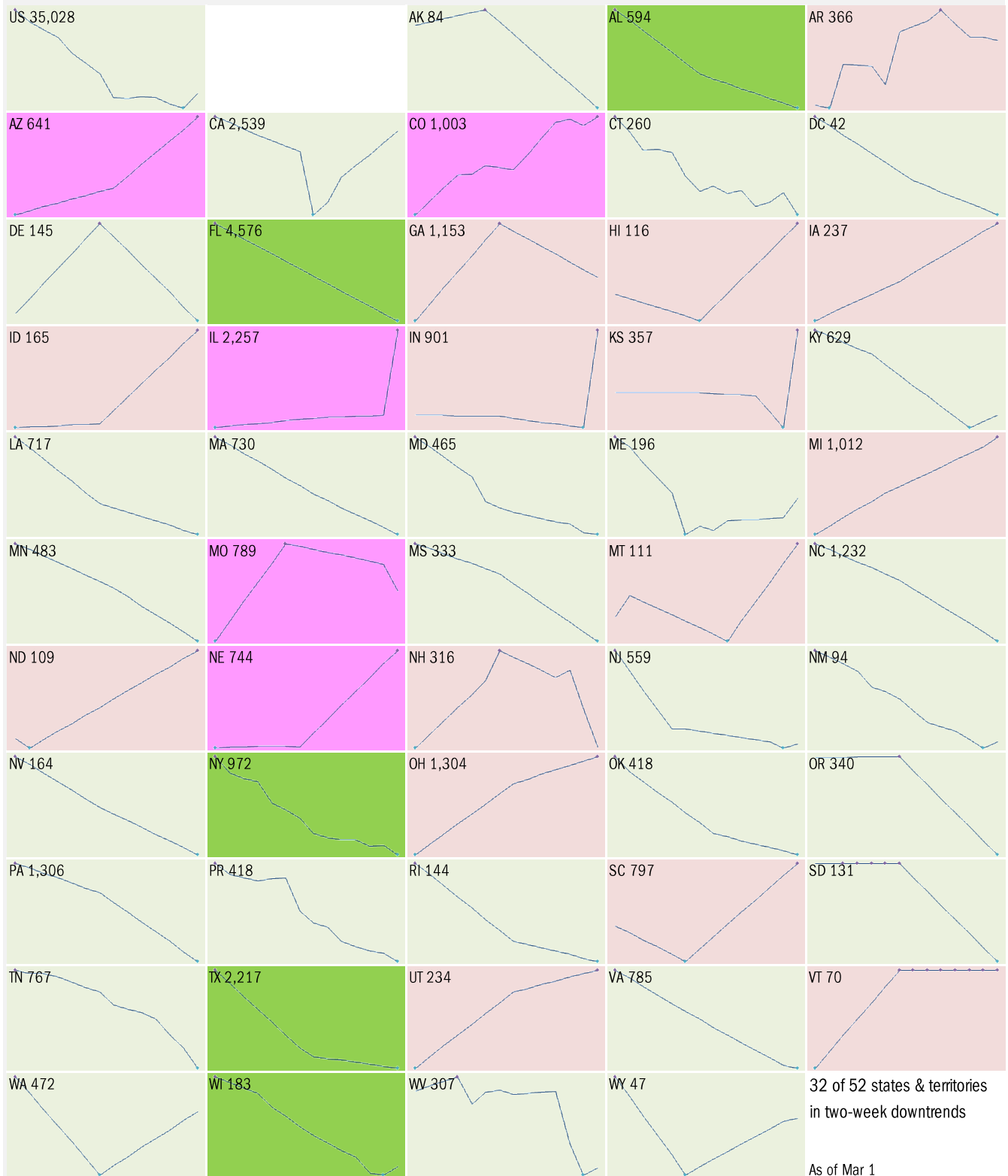


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 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](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

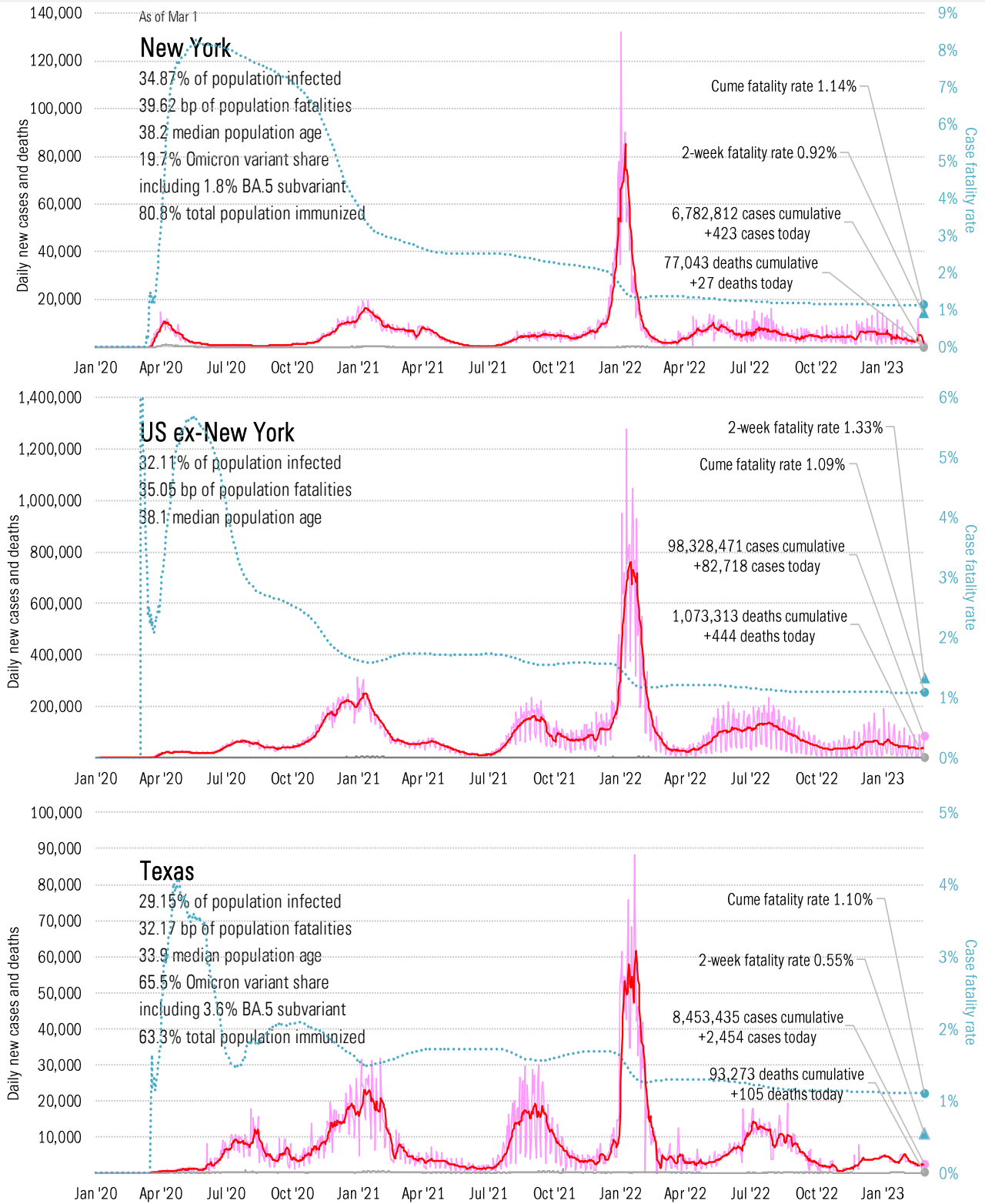
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

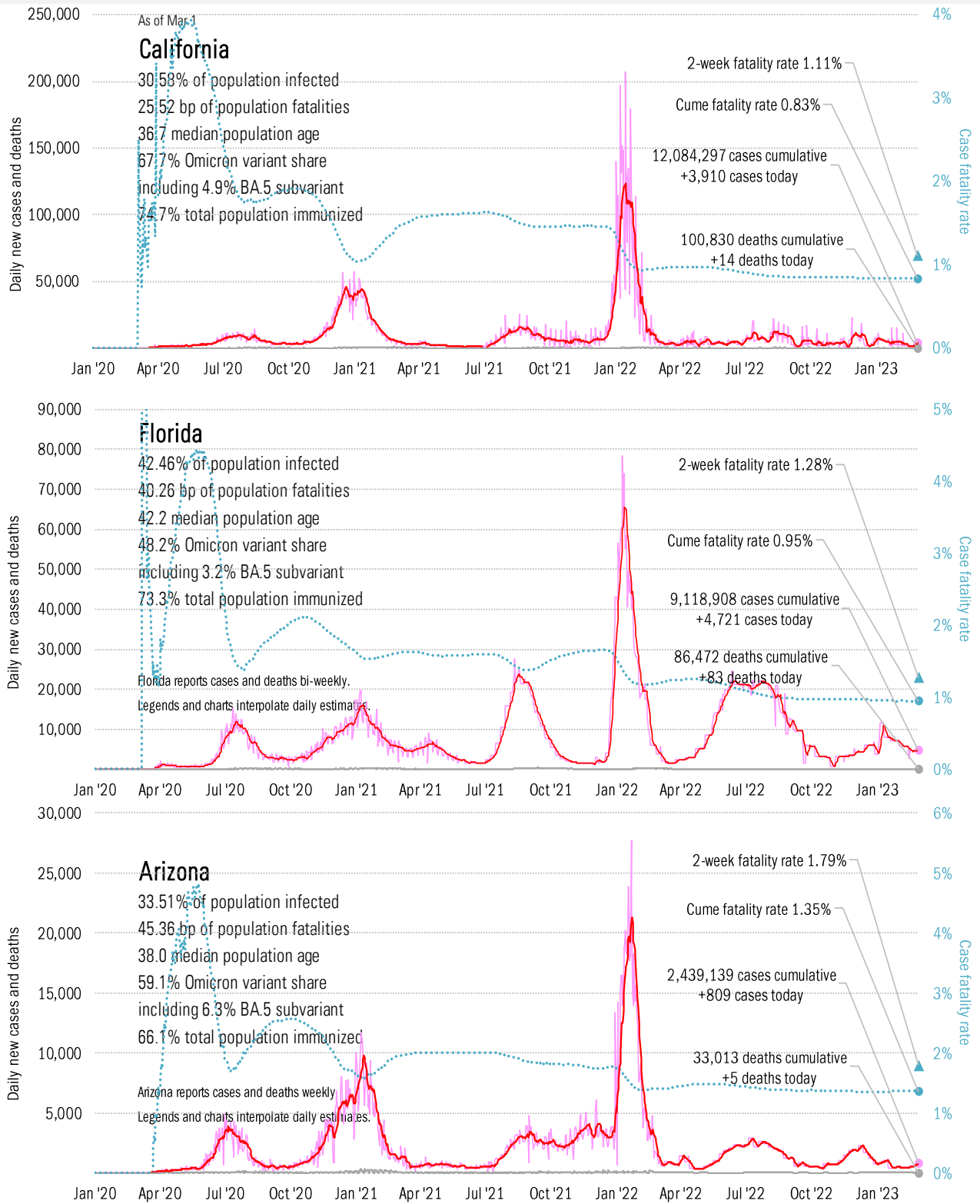
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

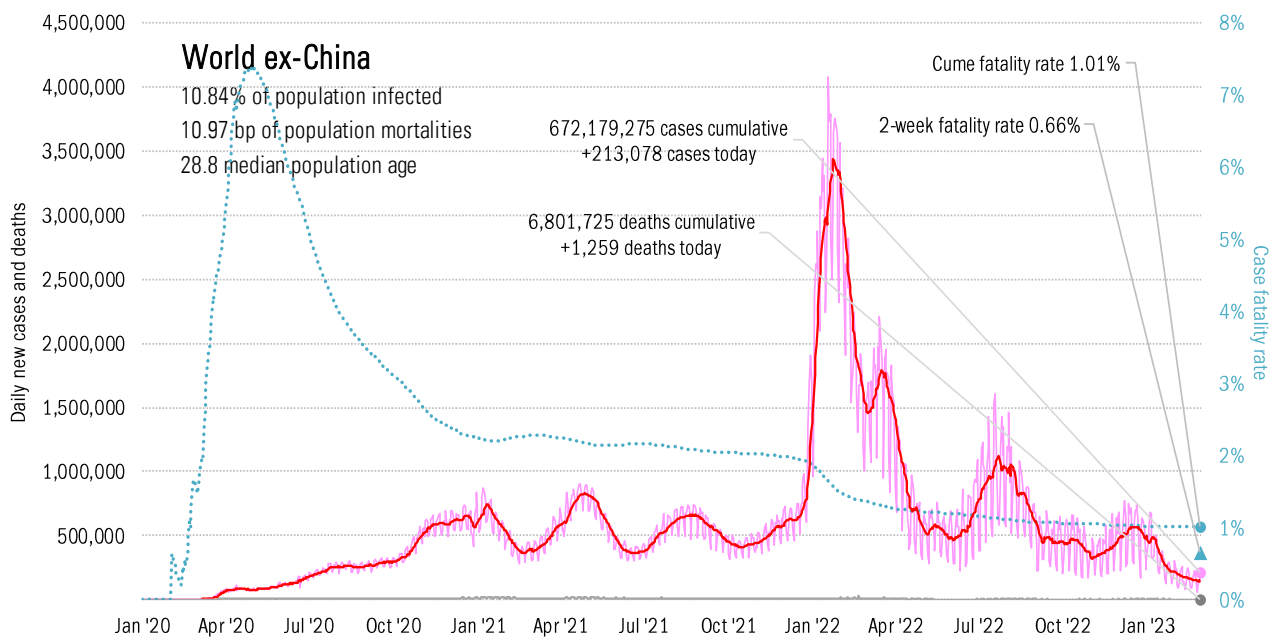
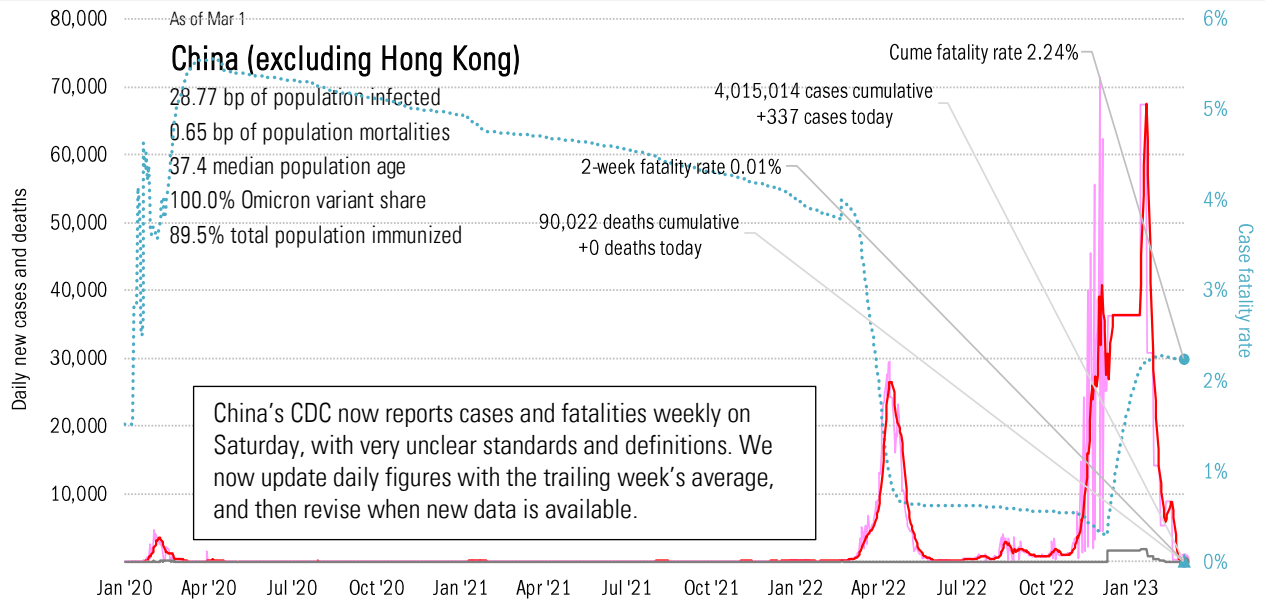
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

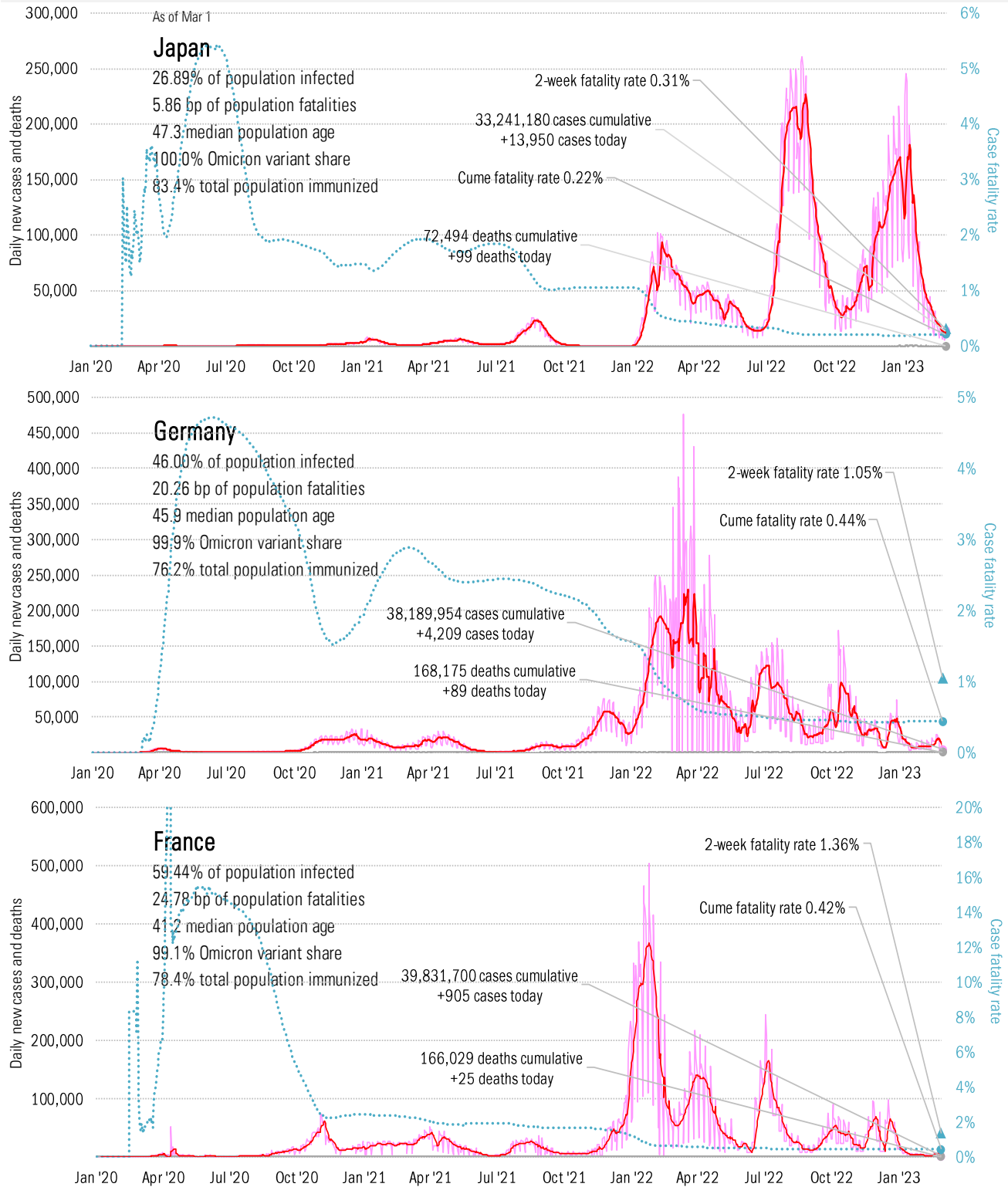
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

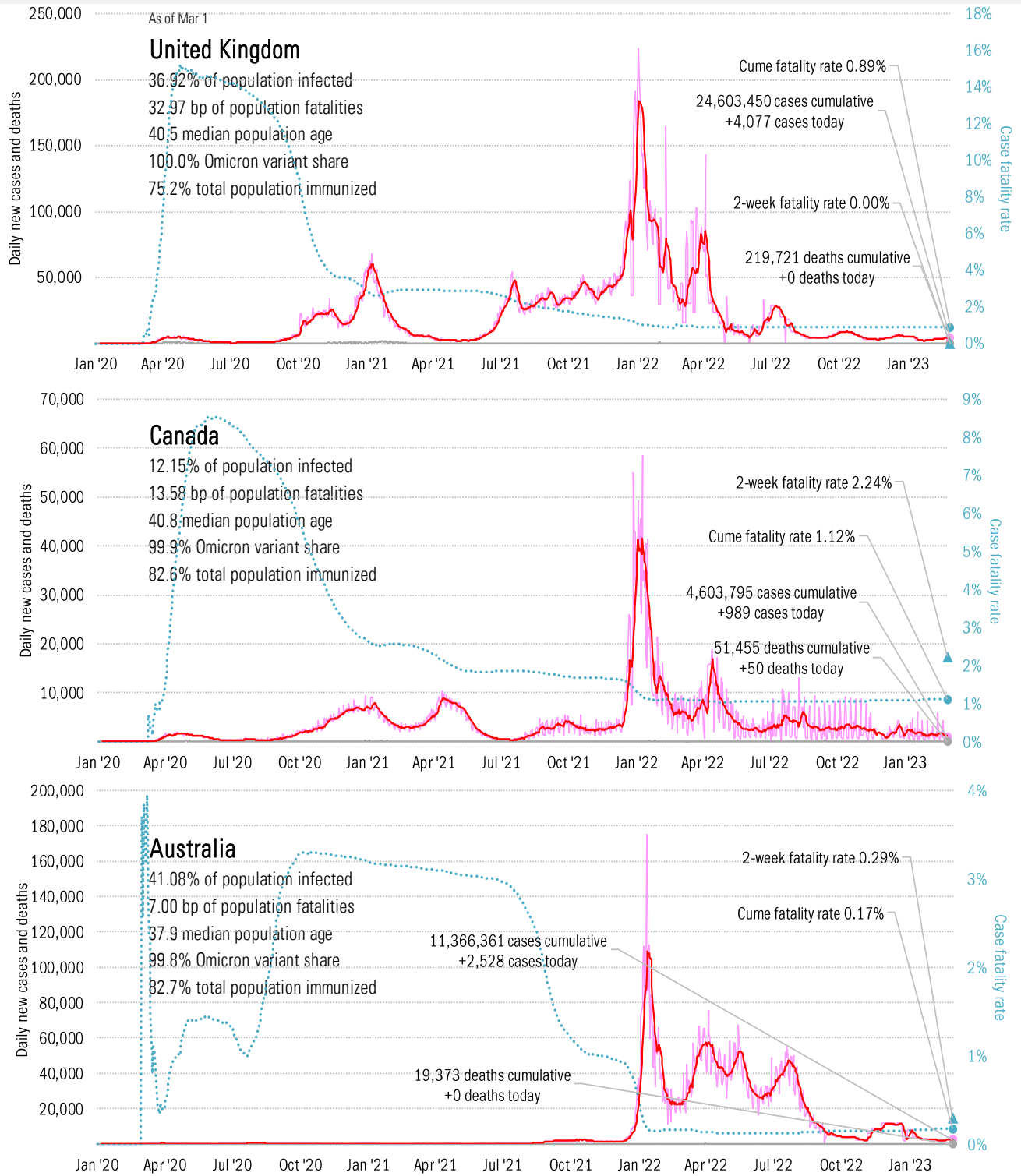
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

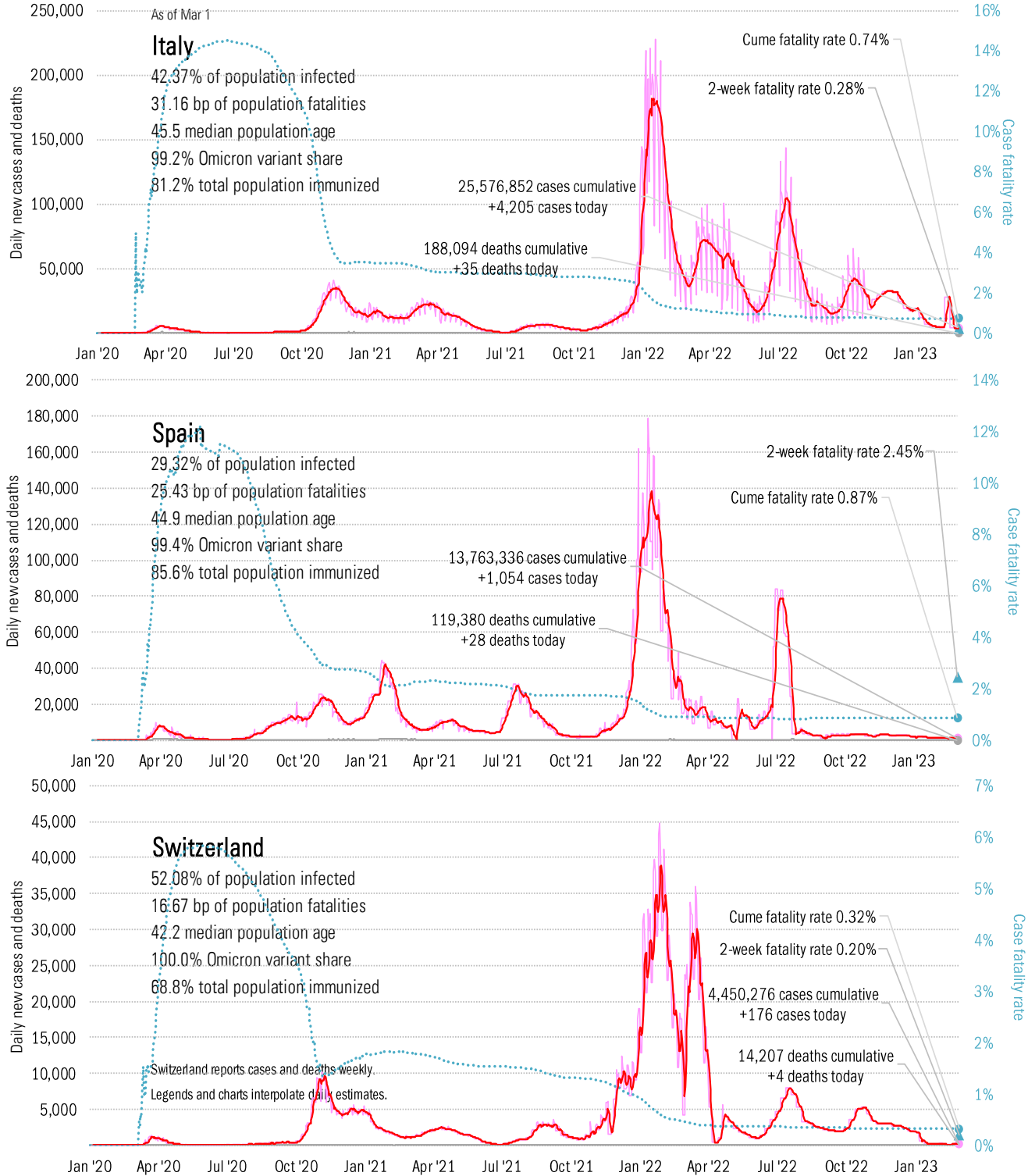


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

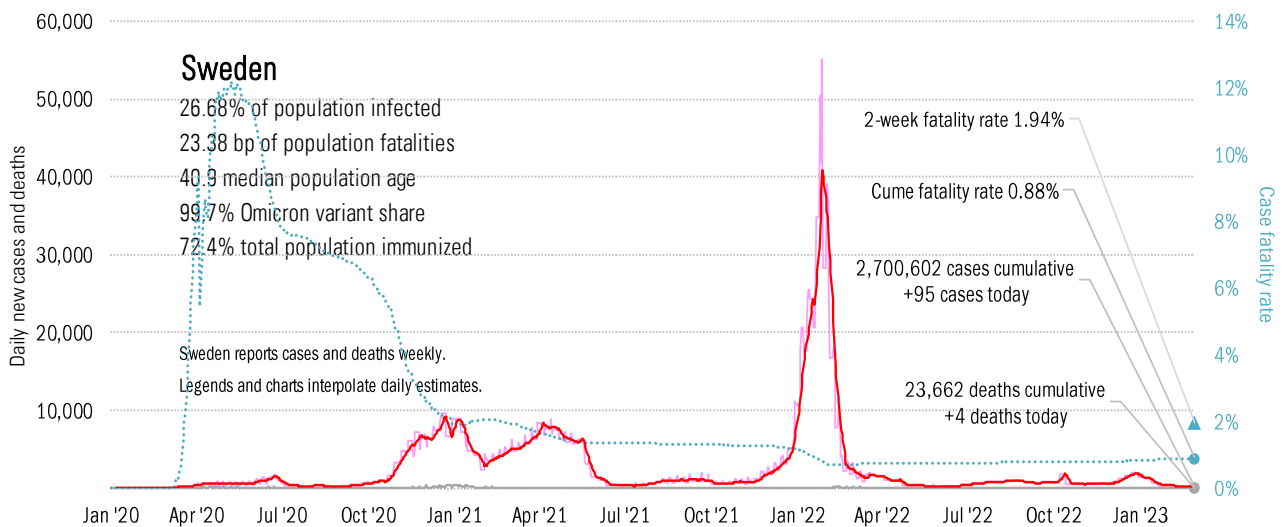
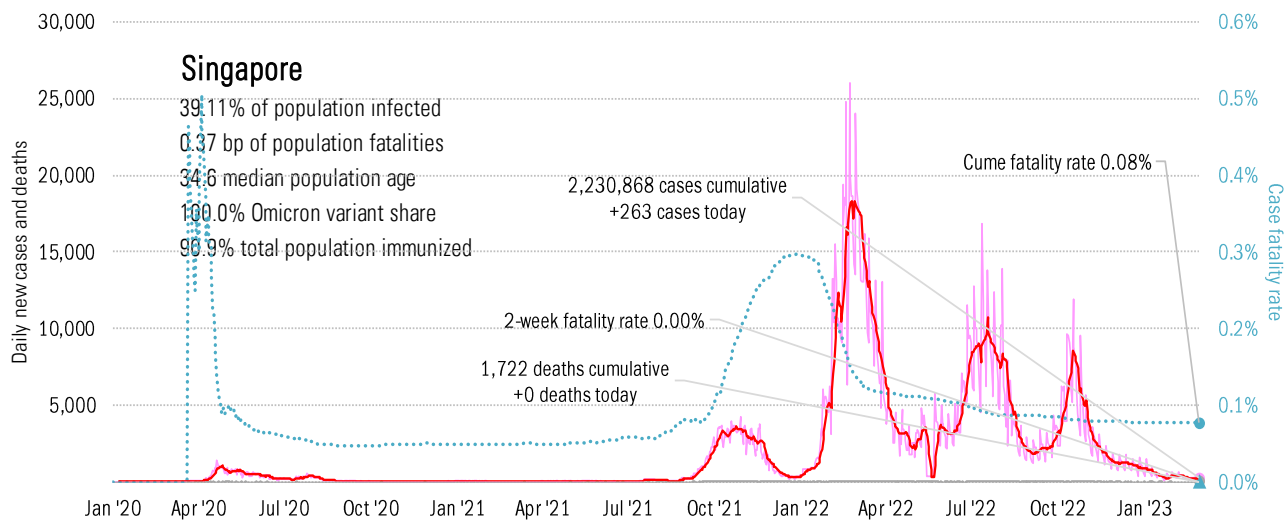
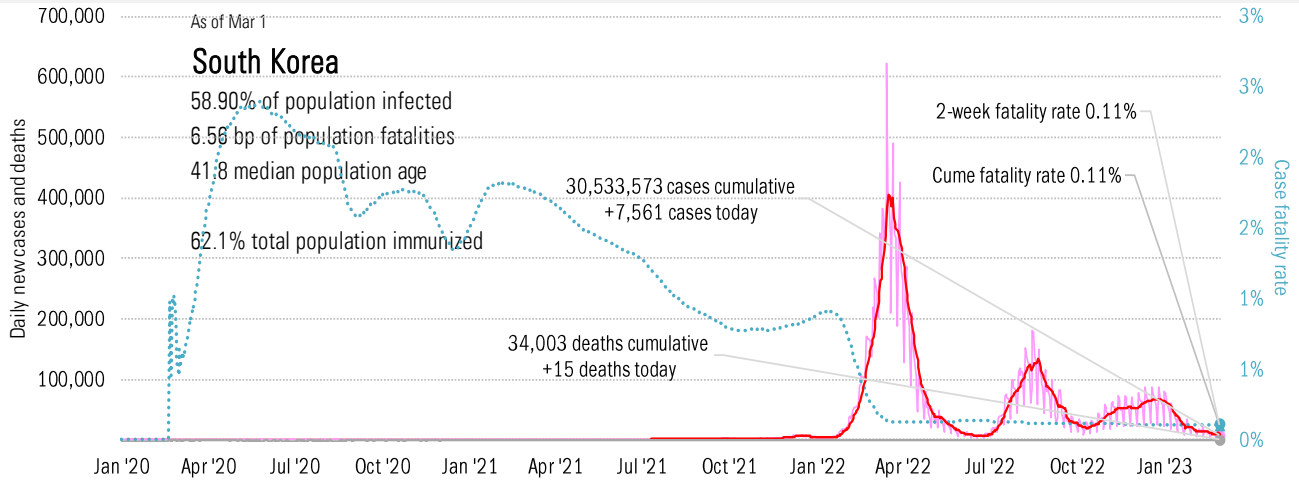
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

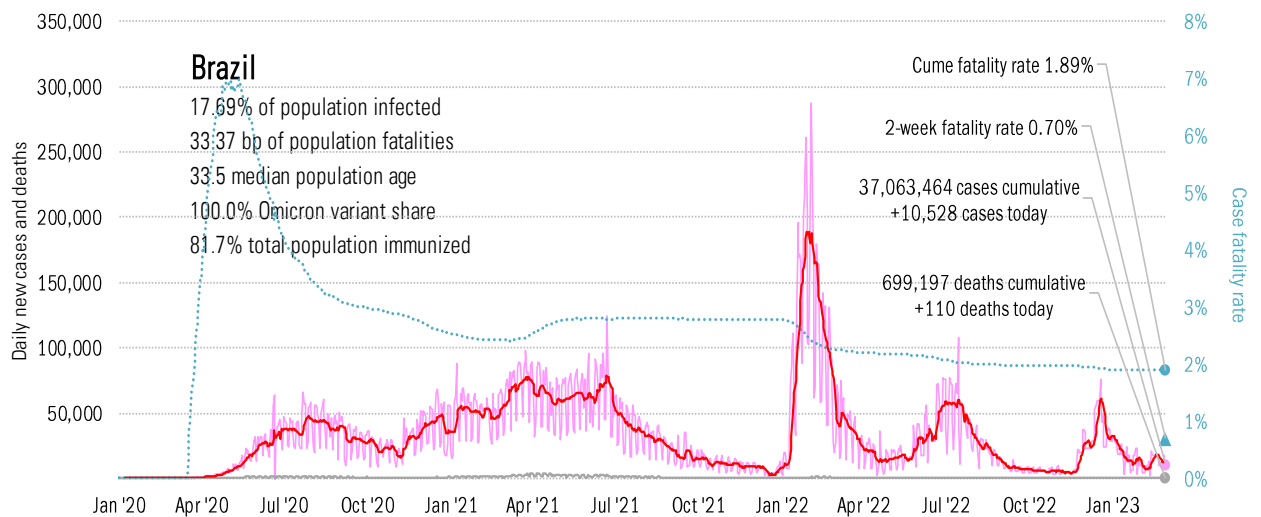
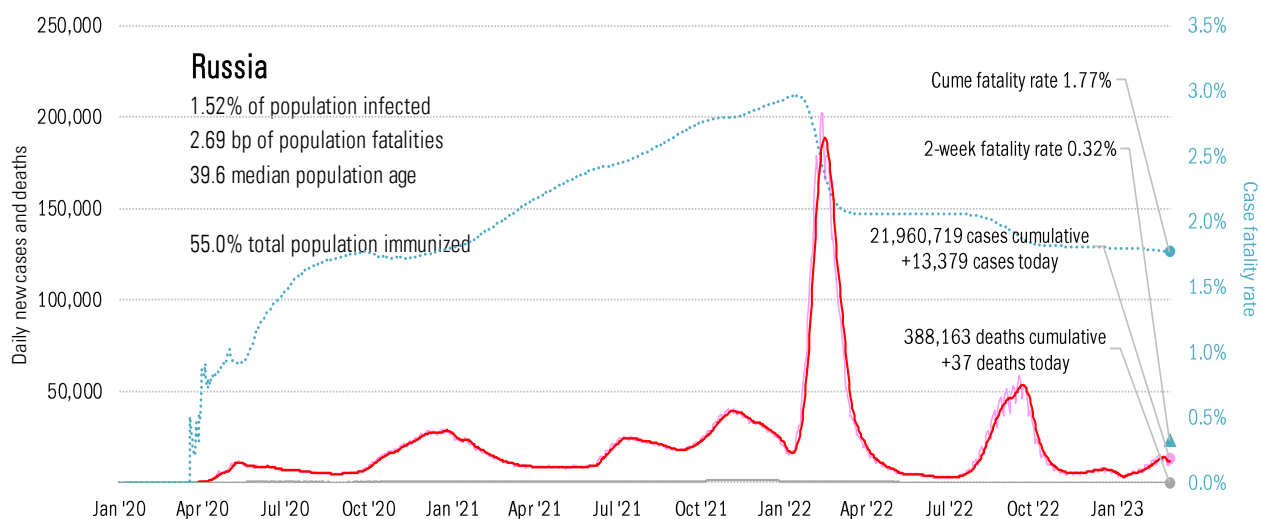
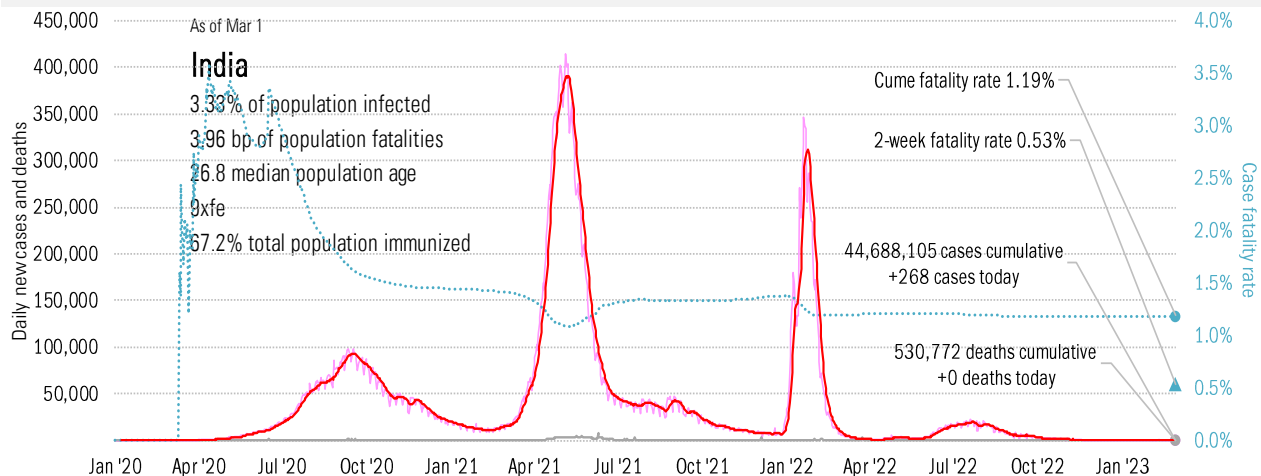
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

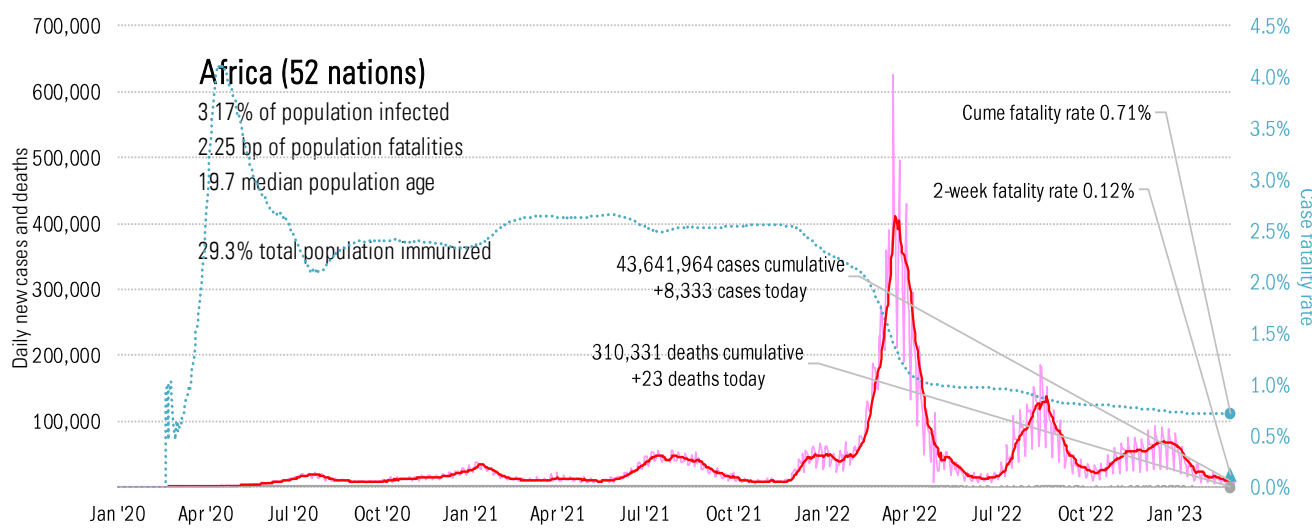
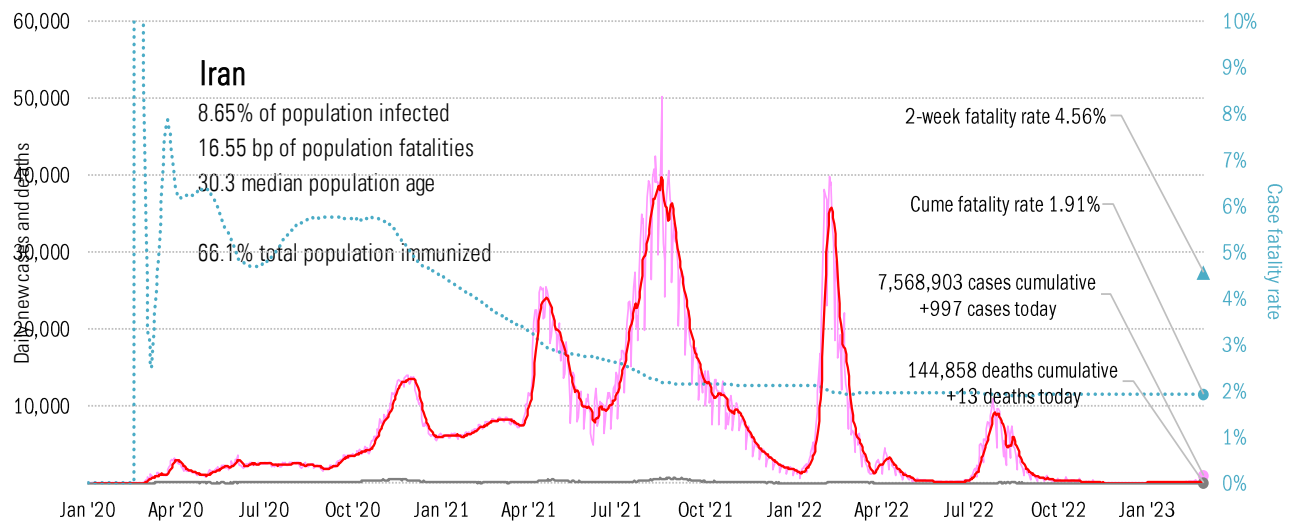
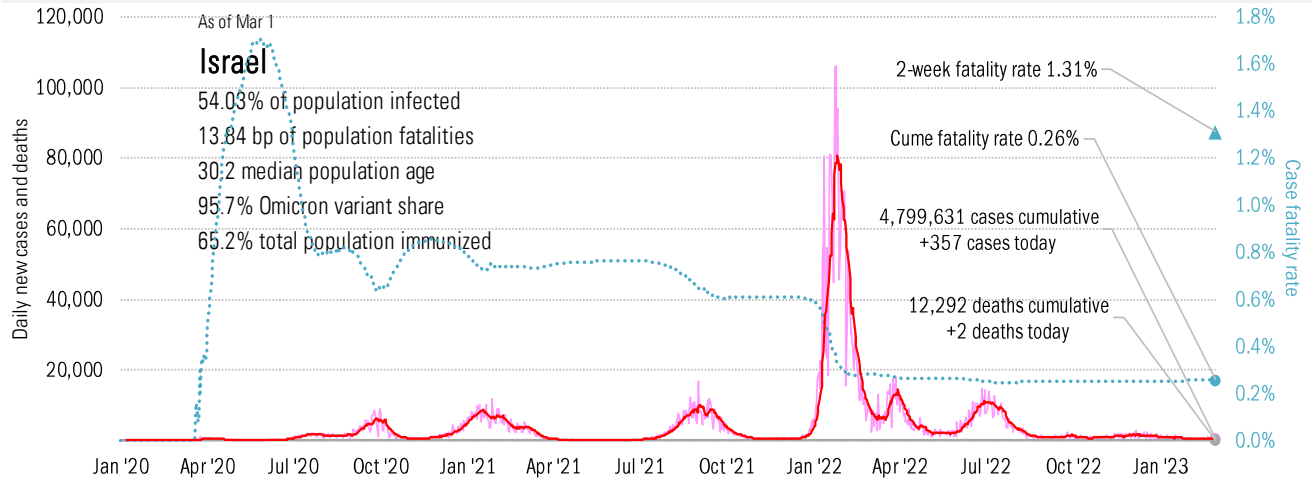
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

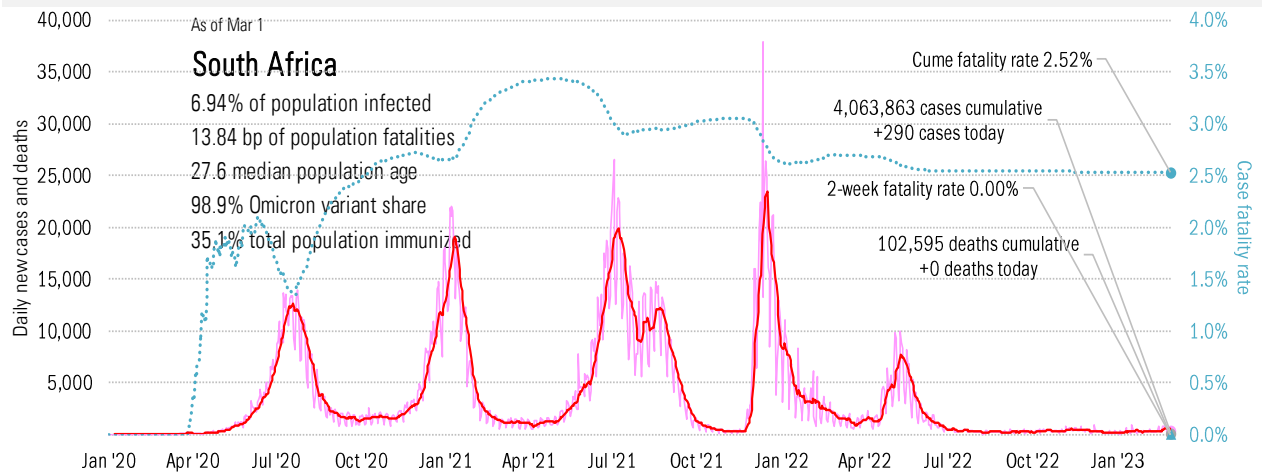
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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