

Data Insights: Covid-2019 Monitor

Sunday, February 19, 2023

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries (see China note page 14)

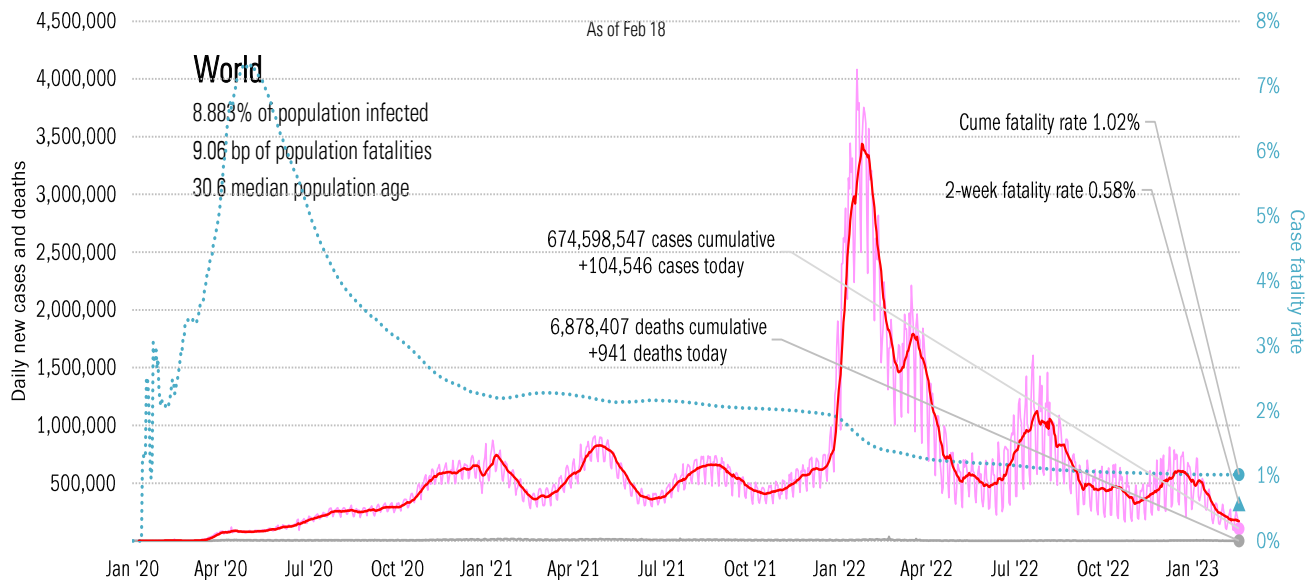
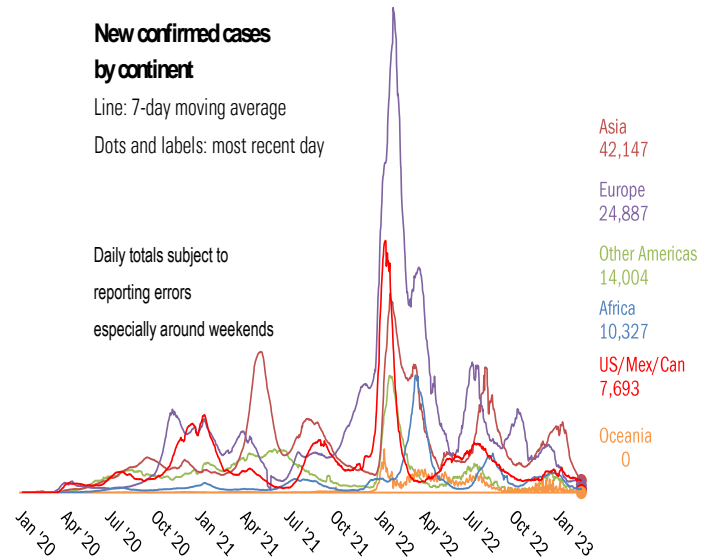
New cases		New Deaths	
United States	38,644	United States	431
Italy	28,347	Japan	130
Brazil	17,169	Germany	87
Japan	17,124	Australia	63
Germany	15,364	Taiwan*	55
Russia	15,137	Italy	43
Taiwan*	15,085	Russia	35
Korea, South	10,274	Brazil	32
China	8,847	Spain	30
Spain	7,038	France	28

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:

Donald Luskin: 214 550 2020 don@trendmacro.com

Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

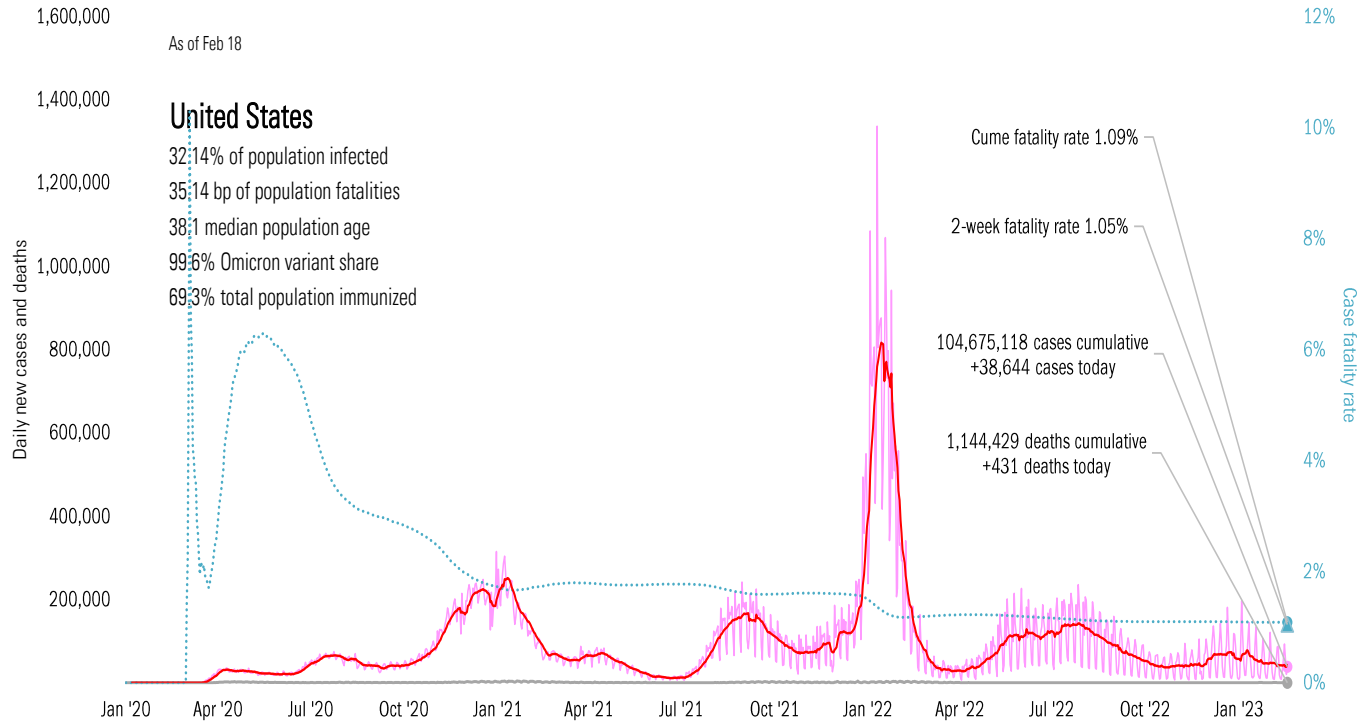
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
FL	4,721		FL	83		PA	212		CA	12,059,365		CA	100,581		TX	587,441		RI	90%	VT	92%
CA	4,041		CA	38		CH	175		TX	8,417,810		TX	93,041		CA	565,148		MA	88%	TX	89%
NY	2,633		NY	28		CA	435		FL	7,516,906		FL	86,294		FL	531,416		DC	86%	AL	87%
CO	1,690		DE	20		IN	85		NY	6,758,560		NY	76,956		NY	353,083		DE	85%	AR	86%
NC	1,673		VA	20		FR	33		IL	4,050,952		PA	50,055		CH	243,450		MN	85%	NH	84%
NJ	1,612		PA	19		MA	104		PA	3,501,712		GA	42,245		GA	241,728		WA	84%	NE	83%
IL	1,545		MA	18		WI	77		NC	3,449,973		MI	41,868		PA	229,657		MO	84%	MO	83%
PA	1,499		WI	14		NC	111		CH	3,373,859		CH	41,615		IL	212,866		NH	82%	MA	83%
CH	1,286		WA	13		CR	37		GA	3,049,248		IL	41,335		MI	180,142		WV	82%	NC	83%
VA	1,050		GA	12		ME	22		MI	3,043,192		NJ	35,918		NJ	162,634		AK	82%	CK	82%
21,750			265			1,291			55,221,577			609,908			3,307,565						
All states	38,644			431			3,698		All states	104,675,118			1,144,429			5,992,770		All states	70%		67%
Top ten	56%			61%			35%		Top ten	54%			55%			55%		Median	78%		77%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
AK	0	AR	-3	FL	-66
AL	0	MT	-3	VA	-53
AZ	0	ND	-1	MN	-38
CA	0	WV	-1	NJ	-35
CO	0	AK	0	TN	-35

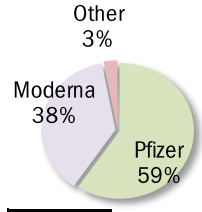


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	687,757,074		+0.100 million		US	69.3%	81.1%	
			Of which boosters: +0.069 million		UK	75.2%	79.7%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.4%	80.6%
Total population	277,766,983	83%	236,754,227	71%	+0.014 million	Spain	85.6%	86.9%
Age 12 to 17	18,473,231	73%	15,810,010	62%	+0.001 million	Germany	76.2%	77.8%
Age 18 to 64	184,660,818	91%	156,918,716	77%	+0.008 million	Italy	81.3%	86.2%
Age 65 and over	61,081,851	100%	53,508,406	98%	+0.002 million	Australia	82.7%	85.0%
						Israel	65.2%	71.1%
						Canada	82.6%	90.4%
						Japan	83.3%	84.5%
						Africa	28.5%	34.7%
						India	67.2%	72.5%
						Brazil	81.6%	87.9%
						China	89.5%	91.9%



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

"Immunity" = two doses

AK
73.0%
65.1%

WI
75.1%
68.2%

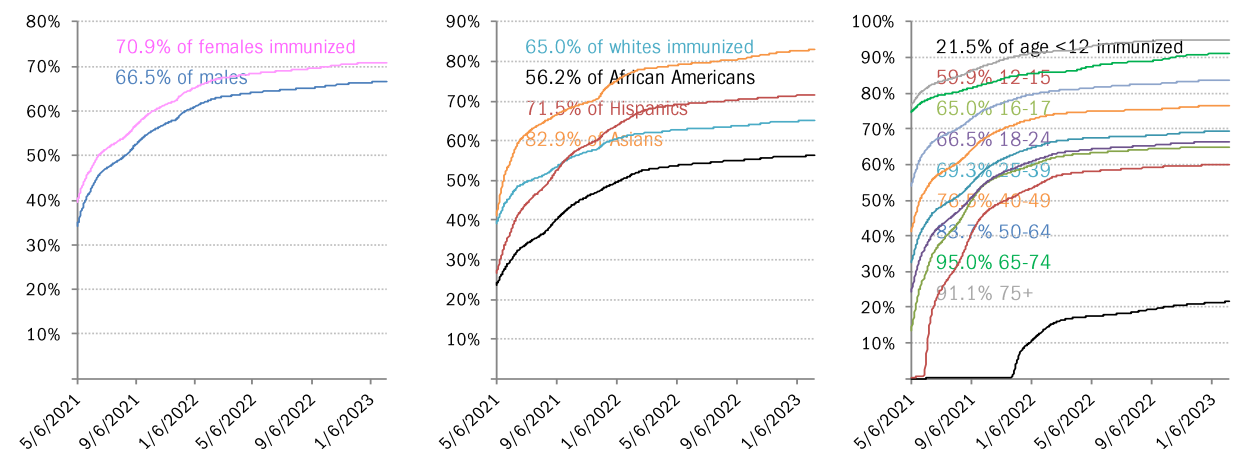
As of Feb 17

ME
95.0%
83.3%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
85.2%	63.9%	68.3%	69.4%	78.8%	79.2%	69.4%	94.4%	95.0%	88.2%	
76.0%	56.4%	59.2%	58.7%	72.1%	71.3%	62.3%	80.8%	85.7%	71.9%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.6%	77.6%	60.9%	83.9%	70.7%	64.4%	65.7%	90.6%	94.6%	95.0%	
72.4%	63.7%	53.0%	66.3%	64.4%	57.7%	60.4%	73.4%	79.1%	84.3%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.7%	75.3%	83.7%	73.4%	69.3%	68.8%	67.5%	91.0%	91.7%	95.0%	95.0%
74.7%	66.7%	73.5%	66.3%	59.0%	59.6%	59.7%	76.6%	79.7%	83.0%	87.7%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	77.6%	94.4%	76.2%	69.9%	64.4%	92.2%	71.0%	95.0%	88.2%	
	66.0%	75.2%	65.3%	56.9%	56.3%	67.1%	59.9%	90.4%	73.3%	
			OK	LA	MS	AL	GA			
			74.6%	62.8%	61.6%	65.0%	68.4%			
			60.5%	55.0%	53.7%	53.2%	57.3%			
			TX					FL		PR
			76.4%					82.5%		90.9%
			63.2%					69.4%		84.1%

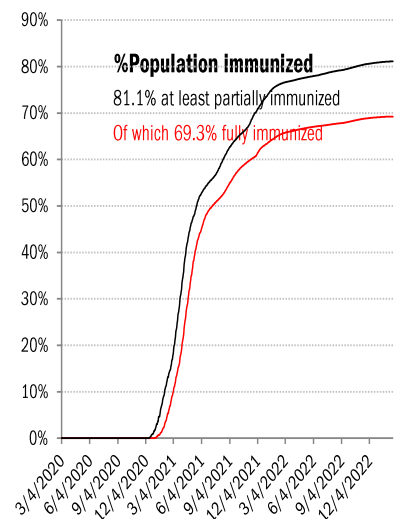
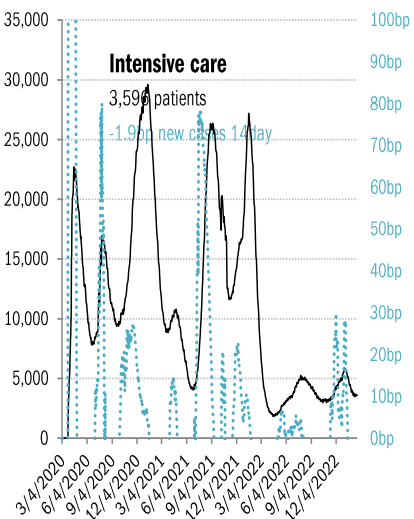
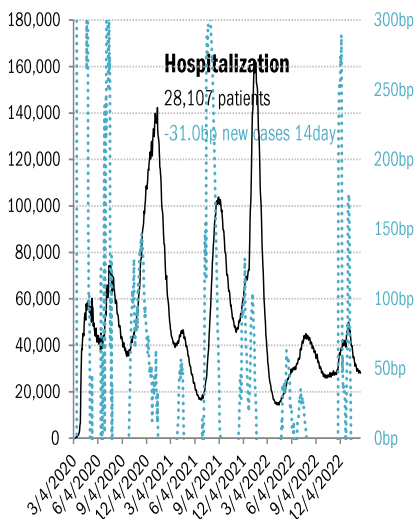
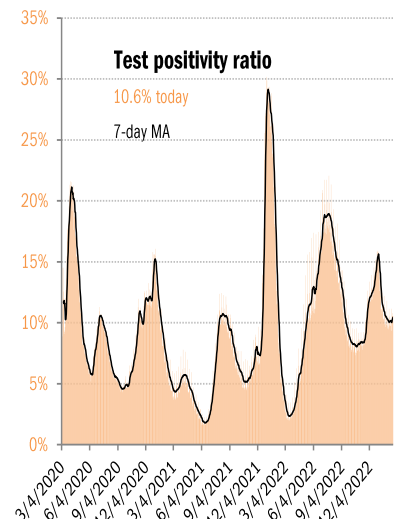
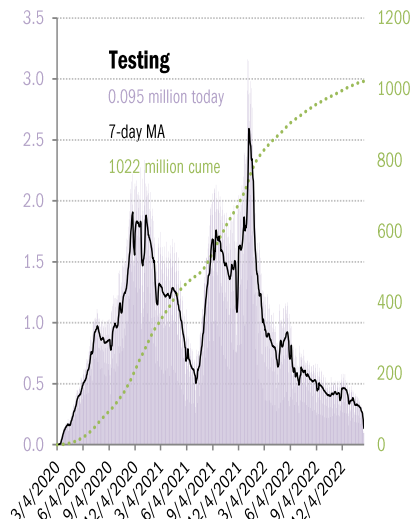
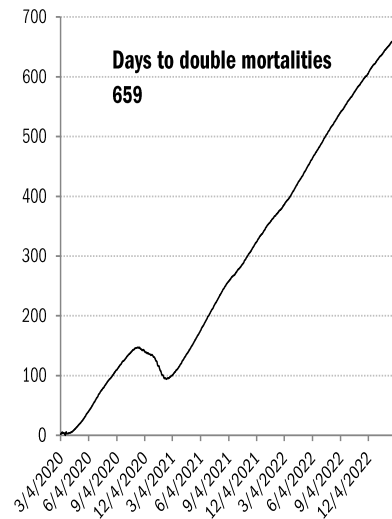
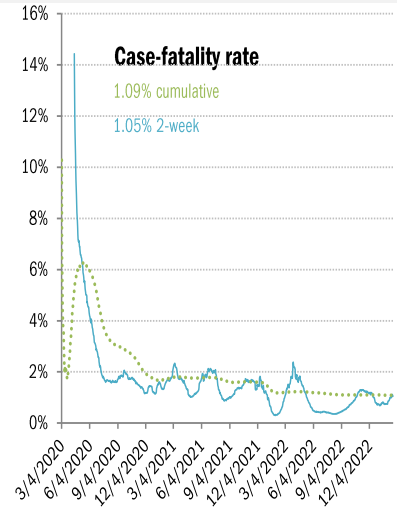
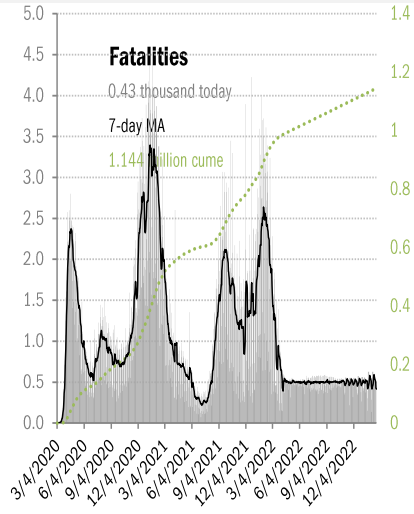
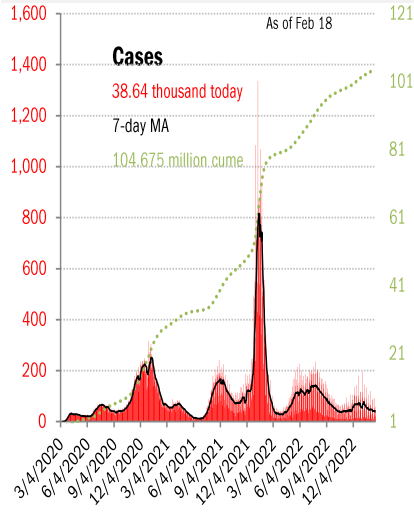
HI
91.4%
81.5%

The demographics of US vaccination



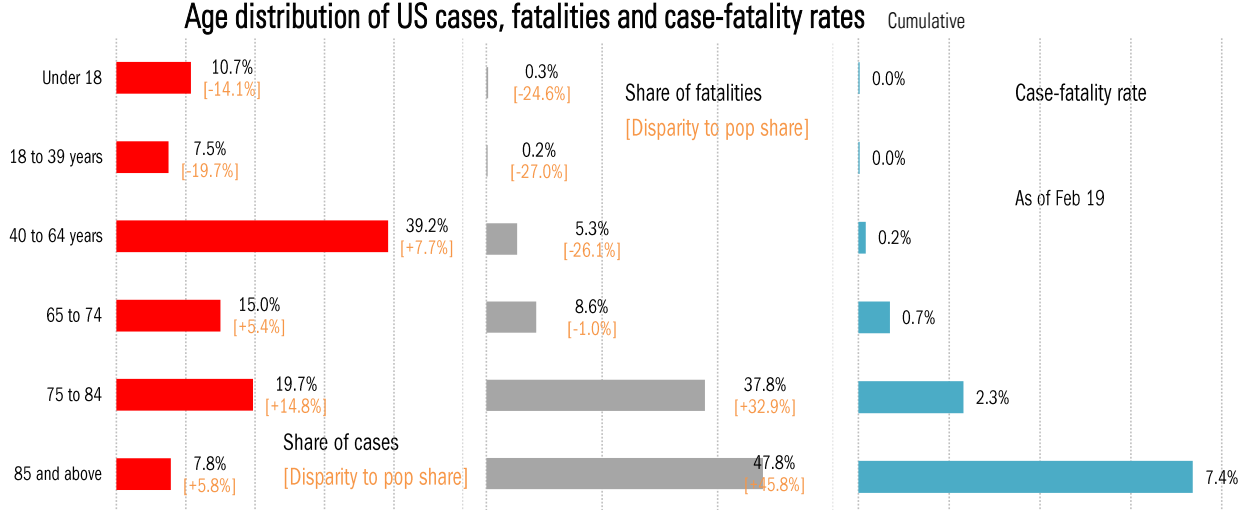
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

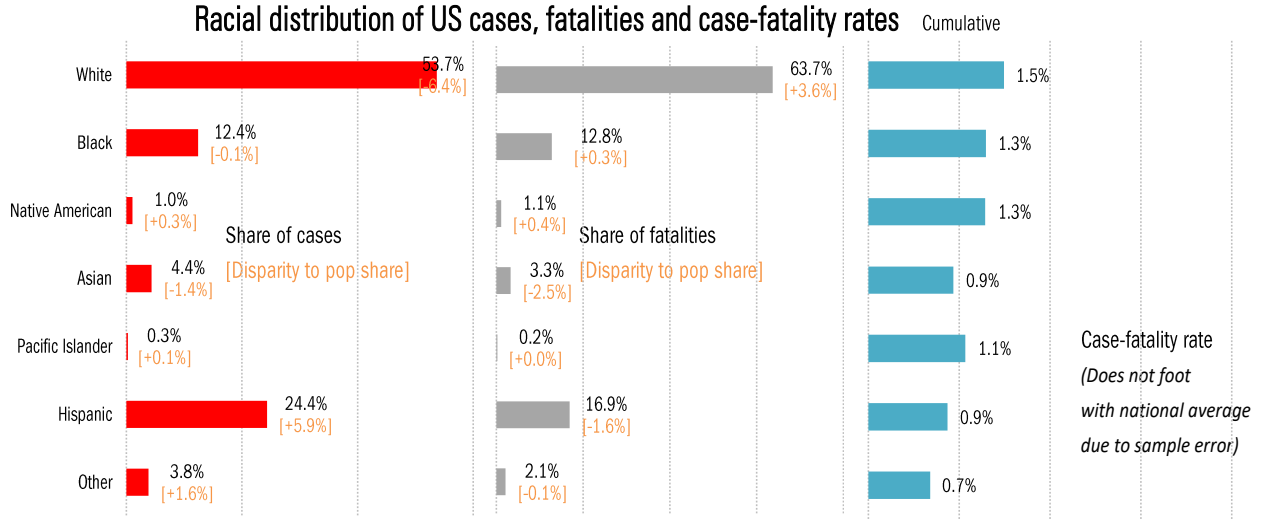


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

Age distribution of US cases, fatalities and case-fatality rates

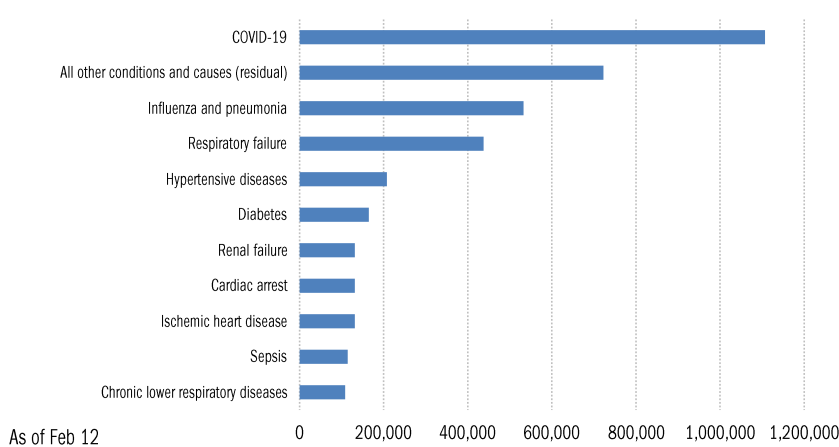


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Feds are sending medical experts to Ohio toxic train wreck site as residents' safety concerns simmer](#)

Aya Elamroussi

CNN

February 17, 2023

[Past SARS-CoV-2 infection protection against re-infection: a systematic review and meta-analysis](#)

COVID-19 Forecasting Team

The Lancet

February 16, 2023

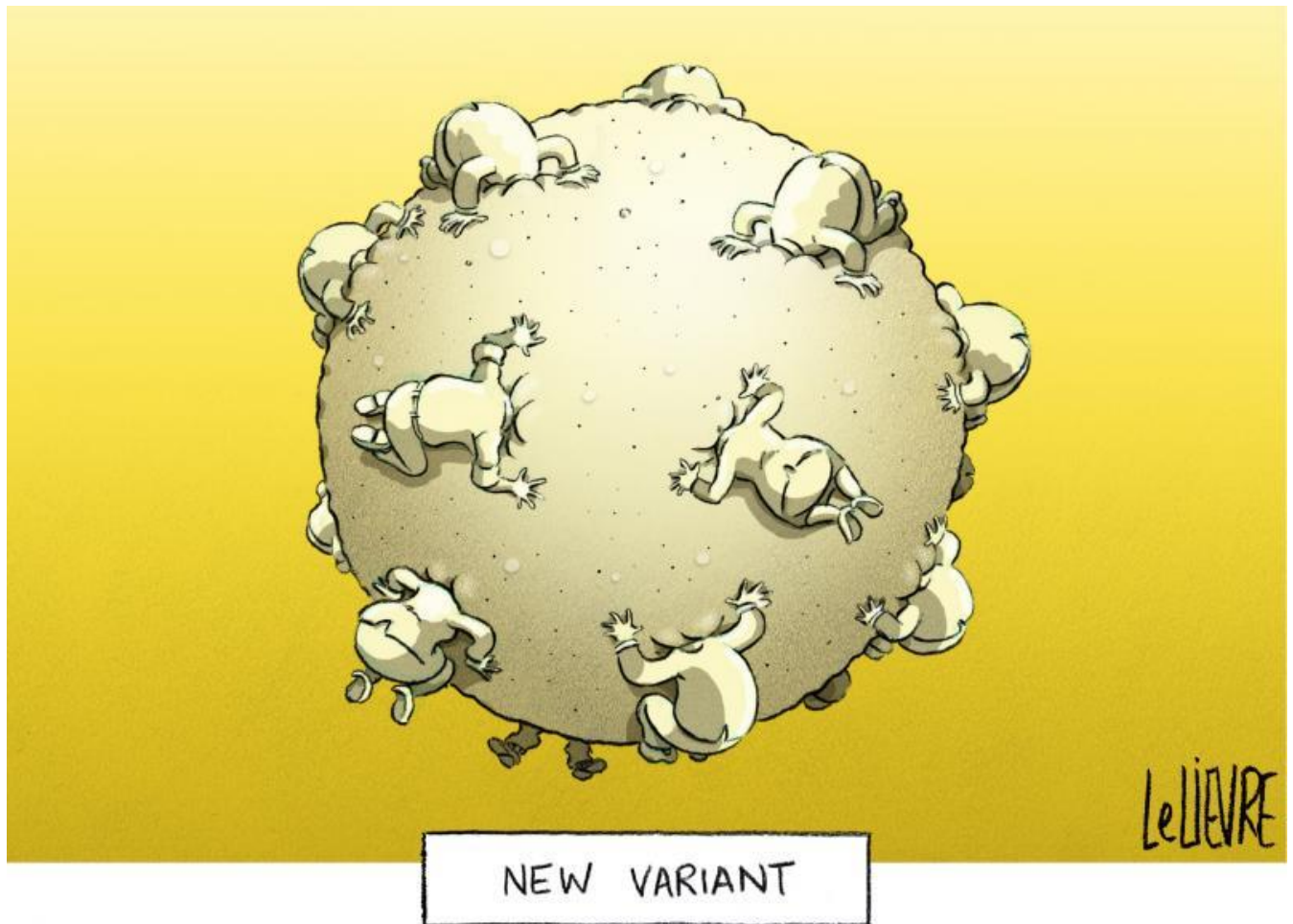
[Immunity acquired from a Covid infection is as protective as vaccination against severe illness and death, study finds](#)

Akshay Syal

NBC

February 16, 2023

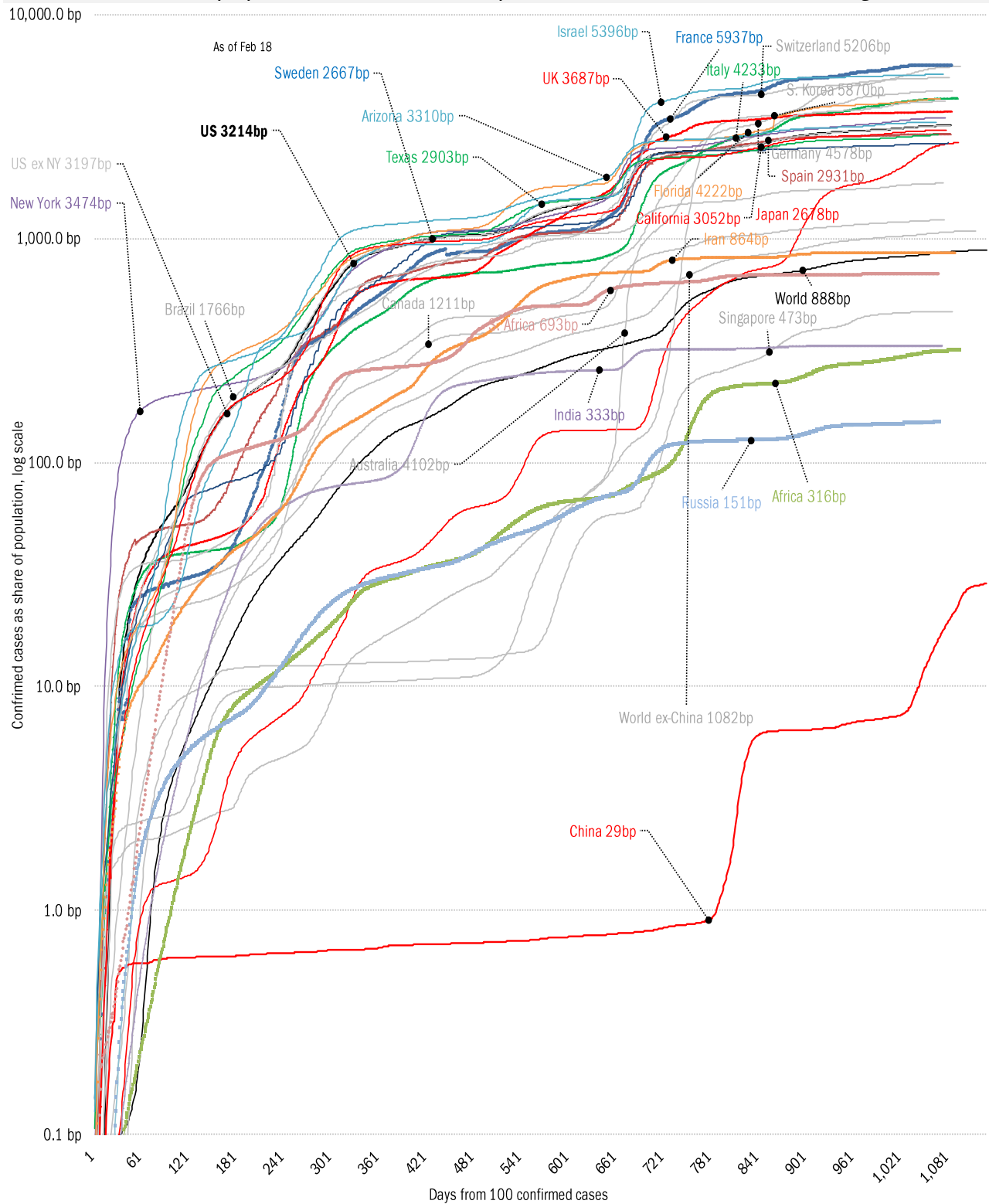
Meme of the Day



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

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

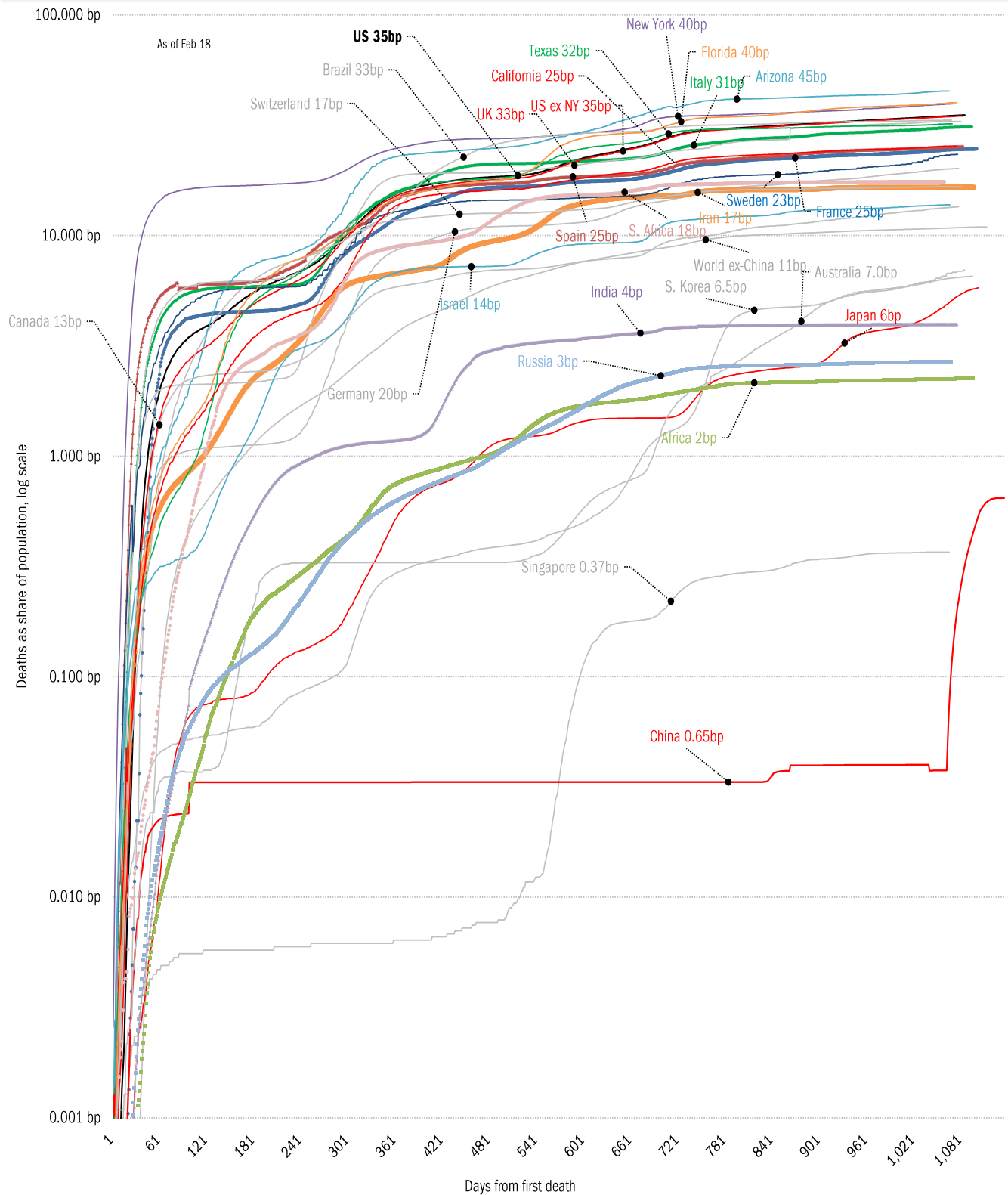
Share of infected population from first day with 100 confirmed cases, log scale



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

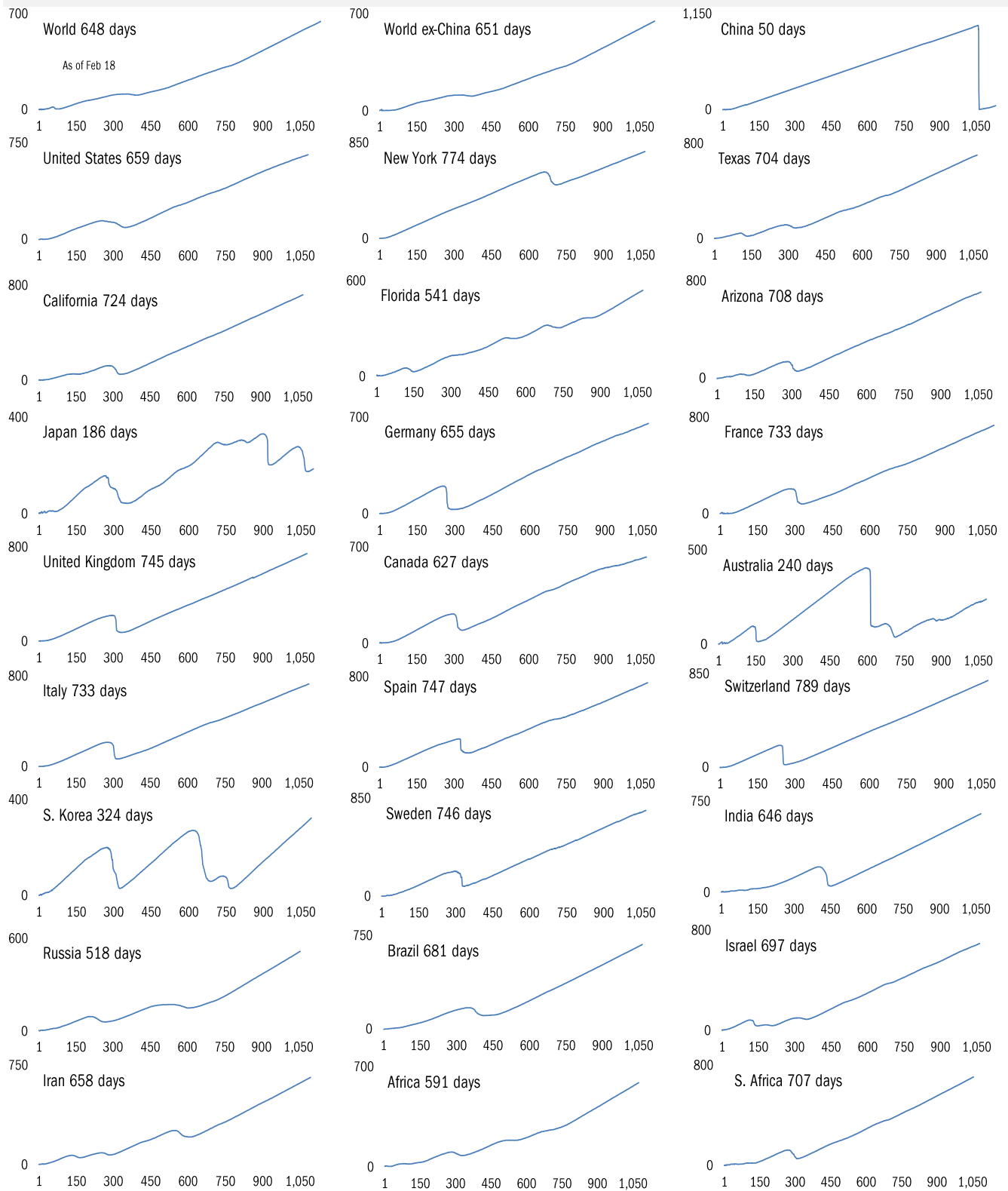


Source: [Johns Hopkins](#), TrendMacro calculations

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

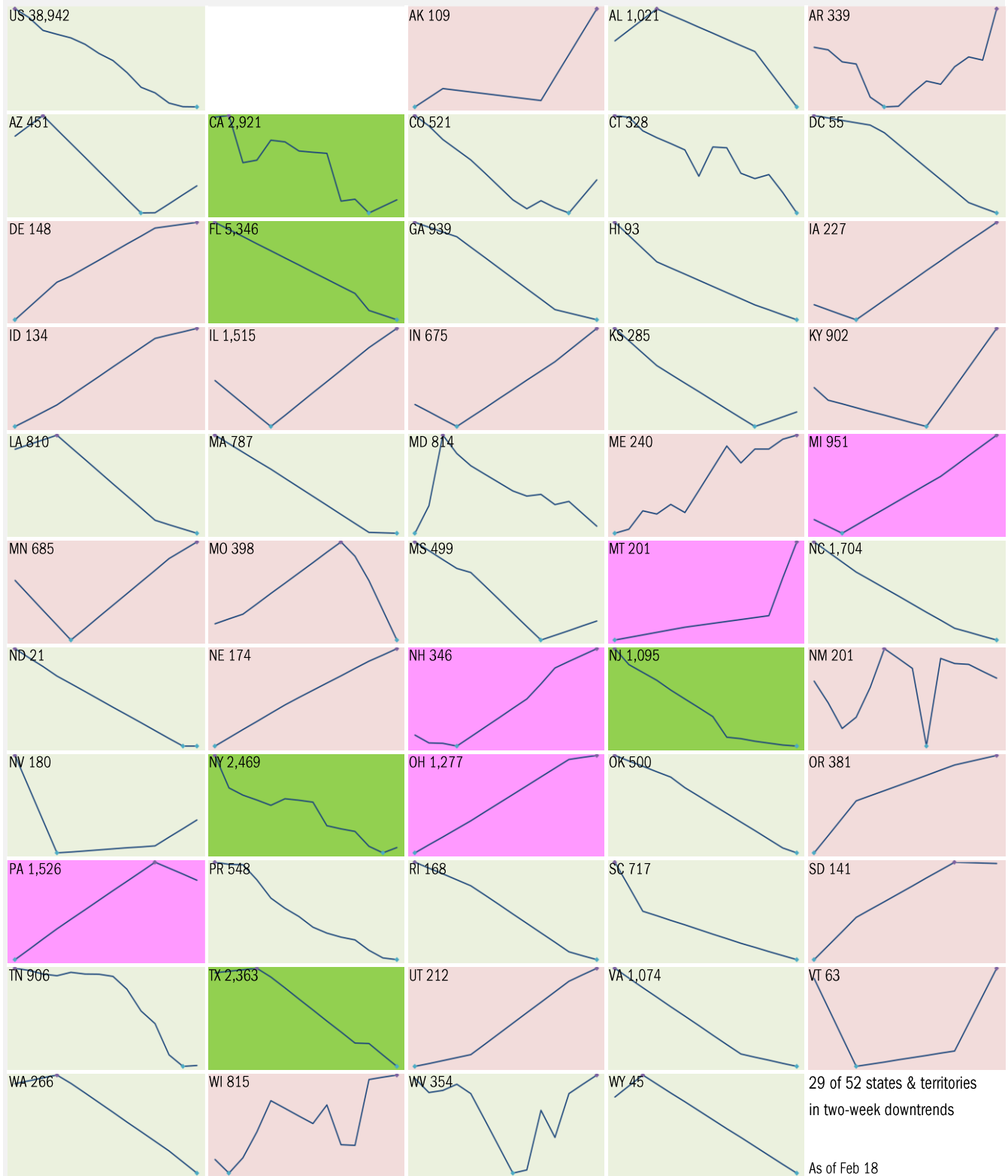


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

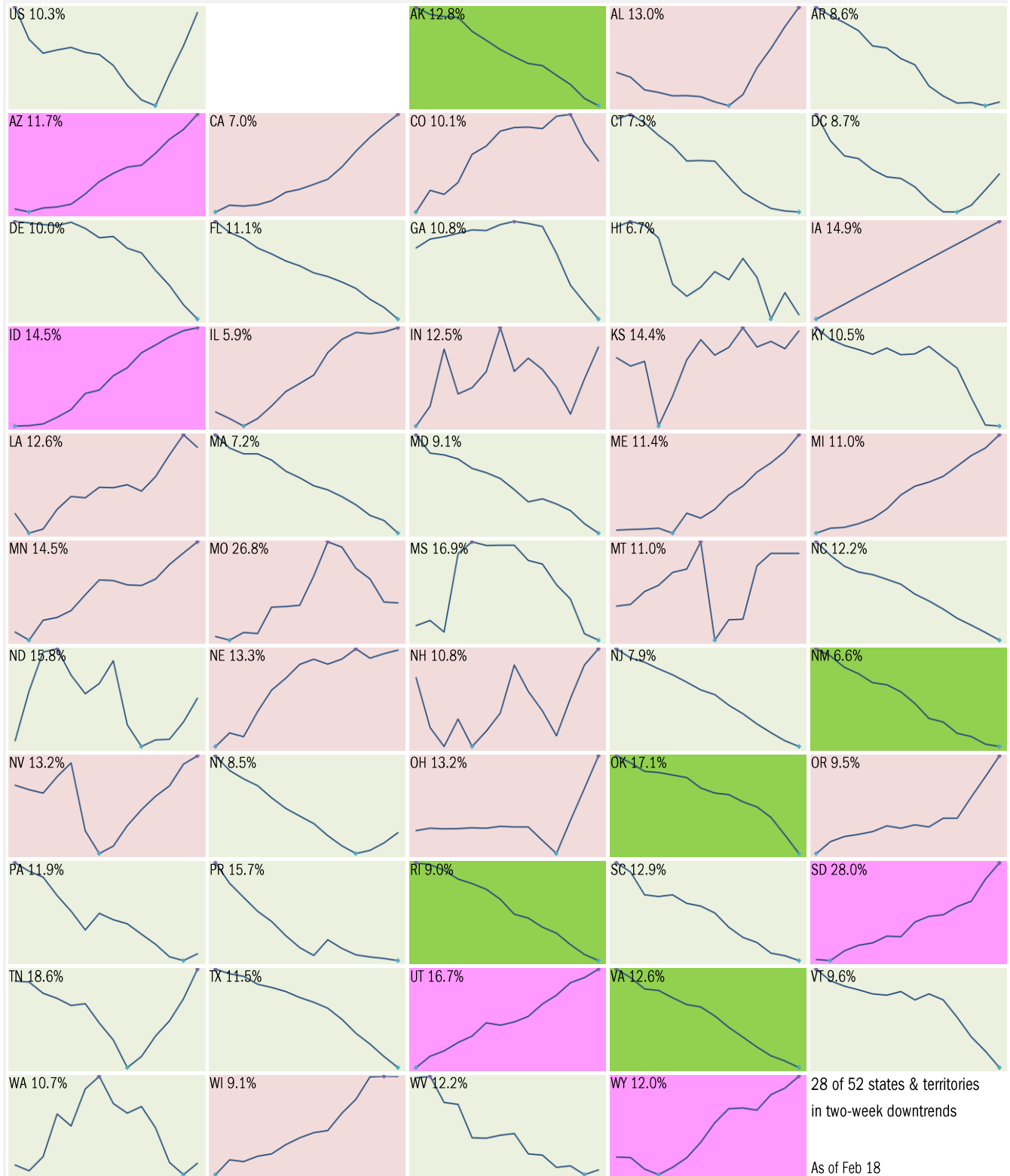


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

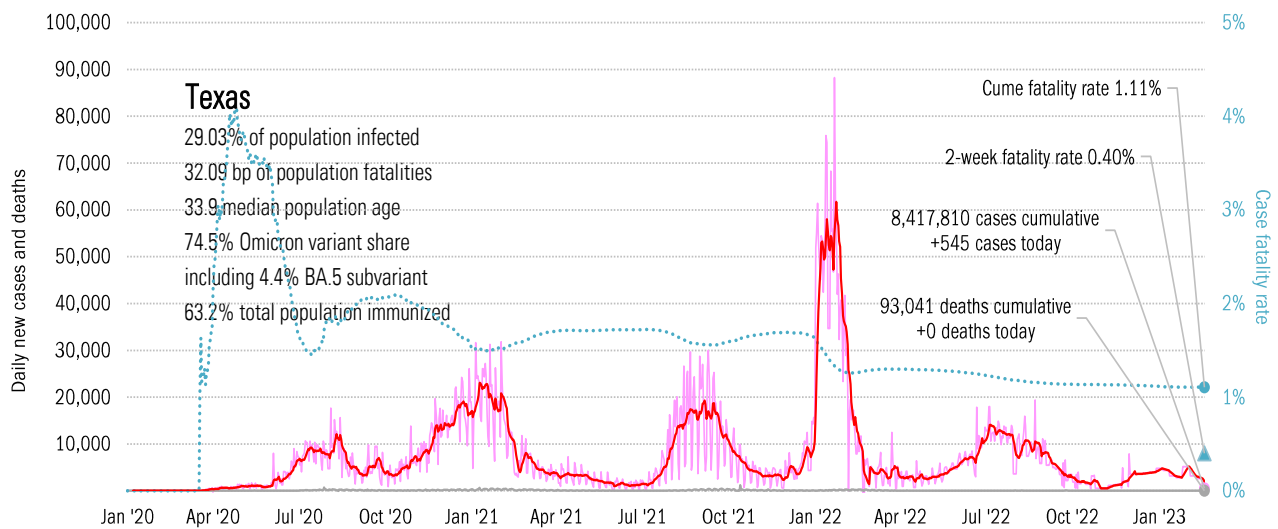
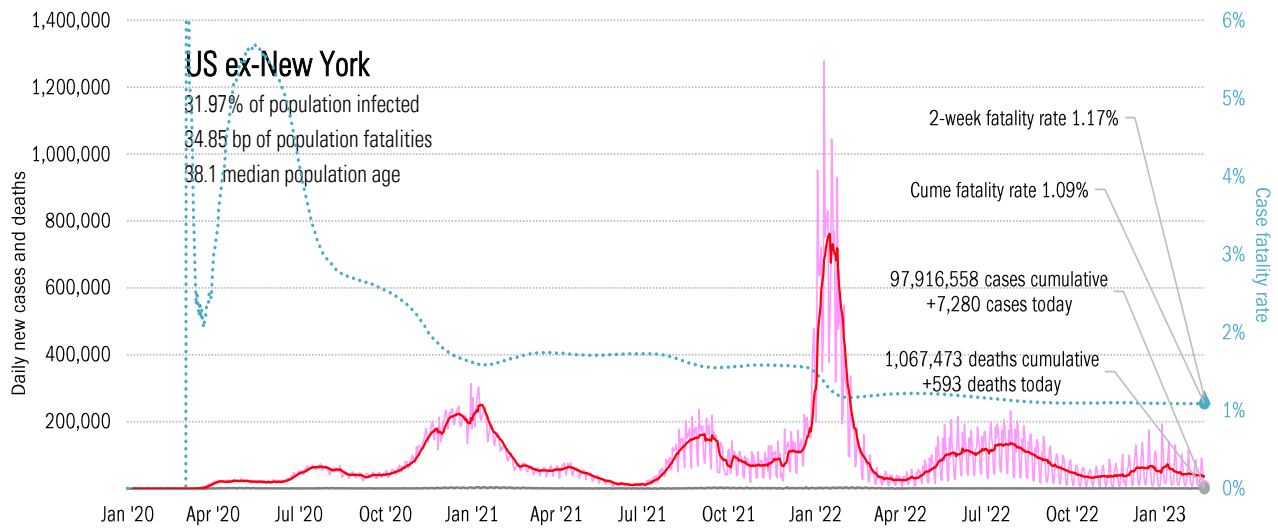
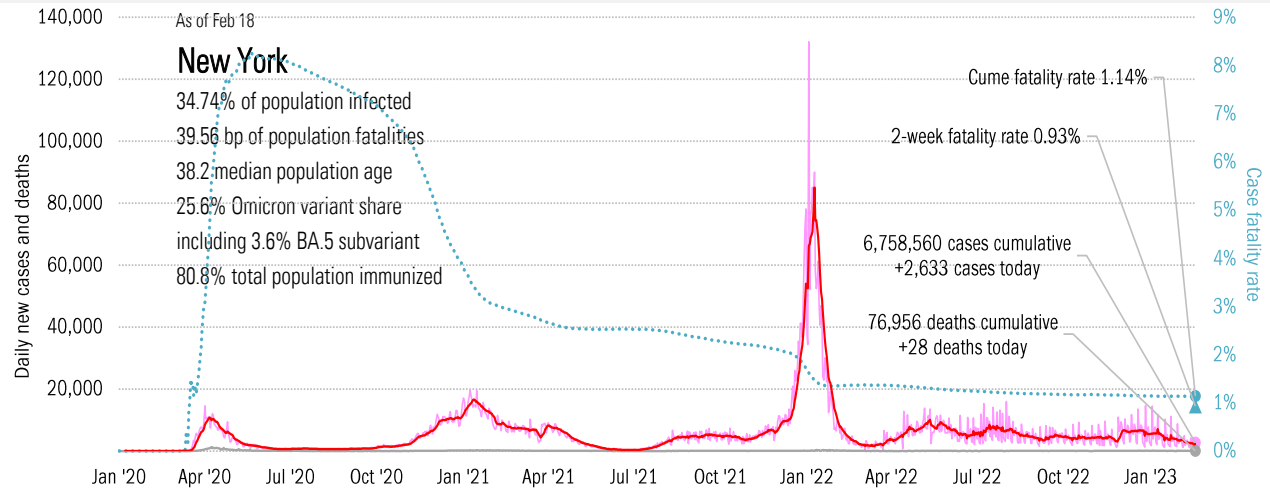
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

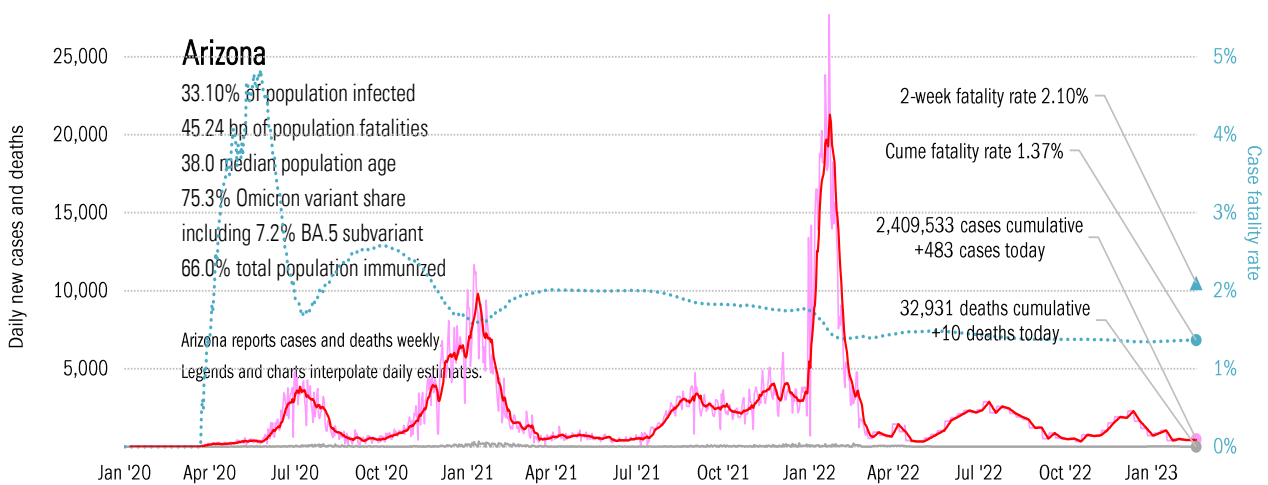
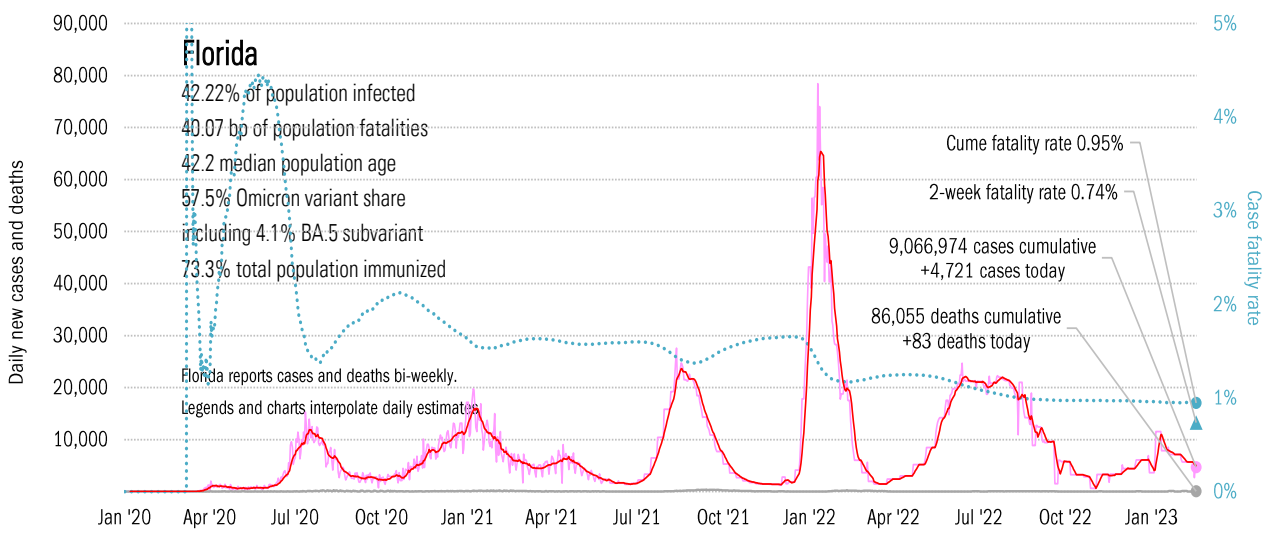
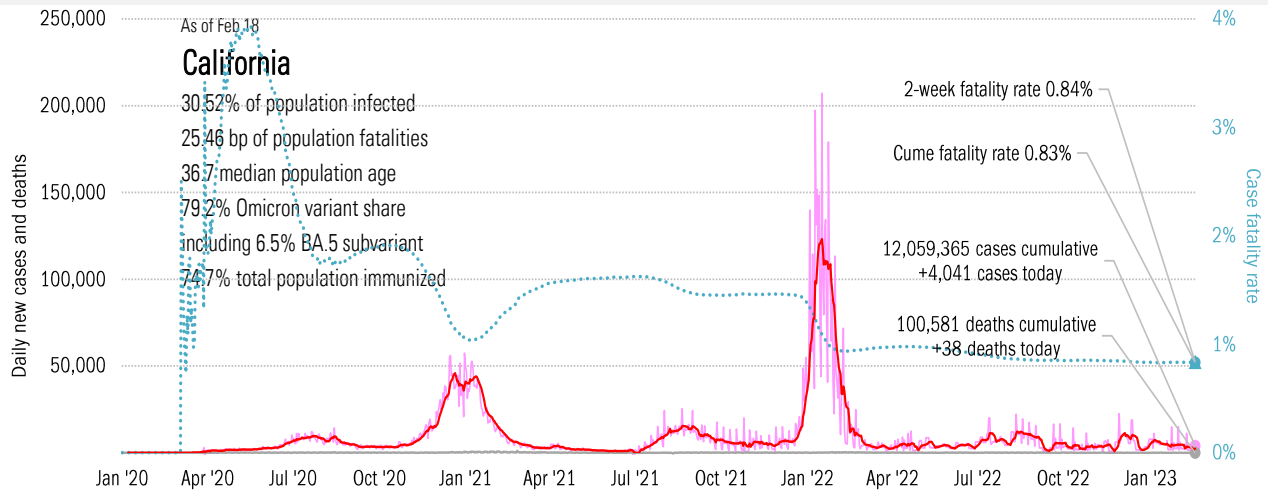
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

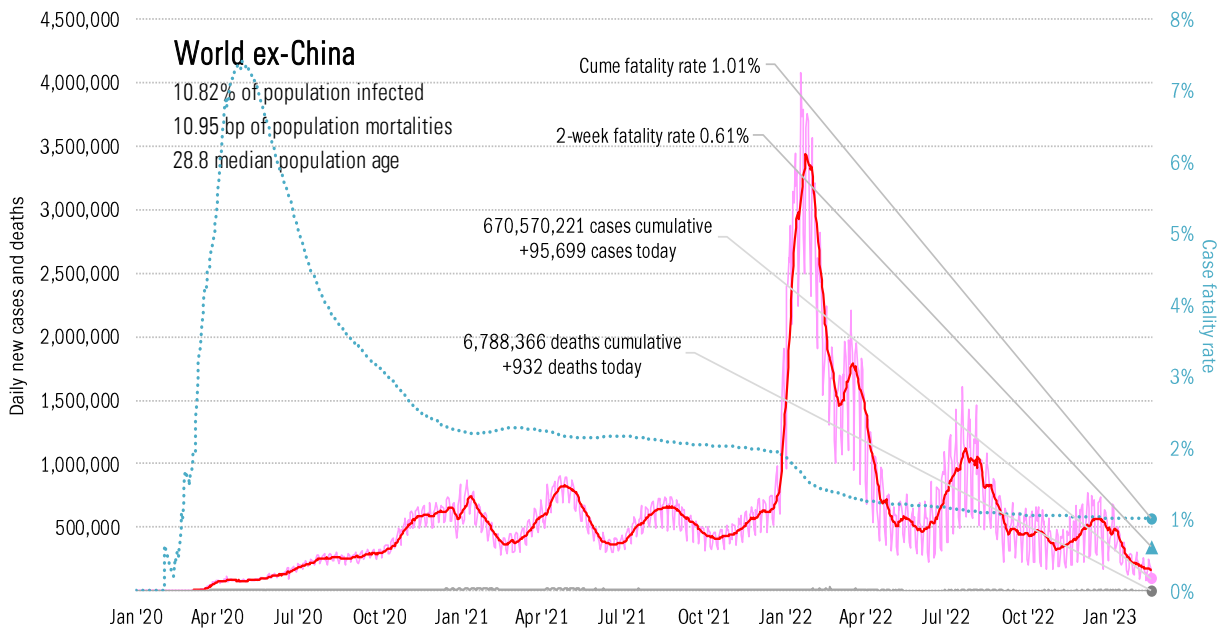
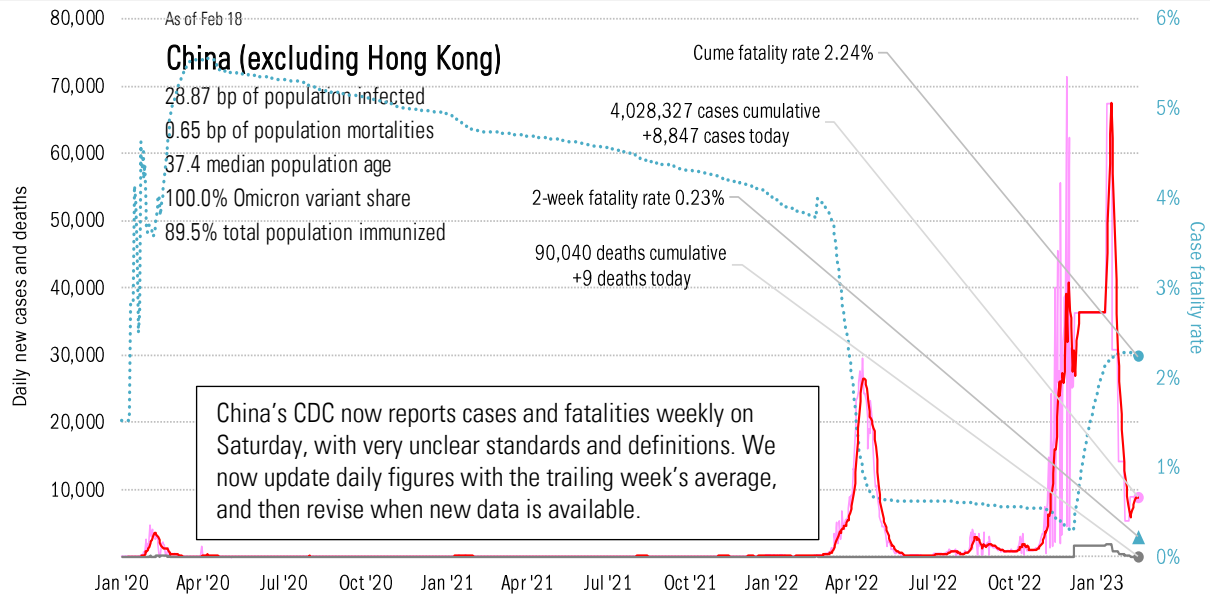
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

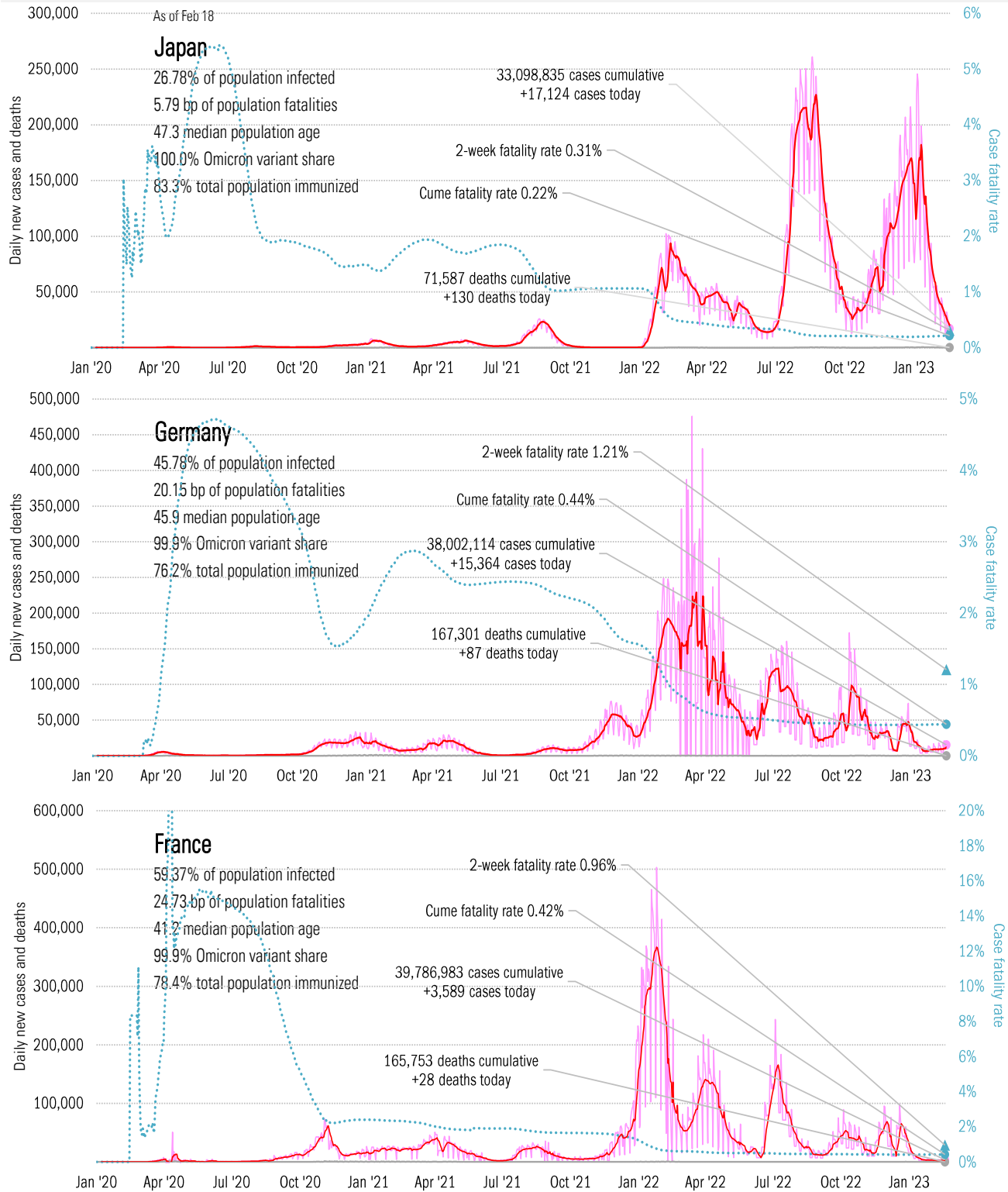
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

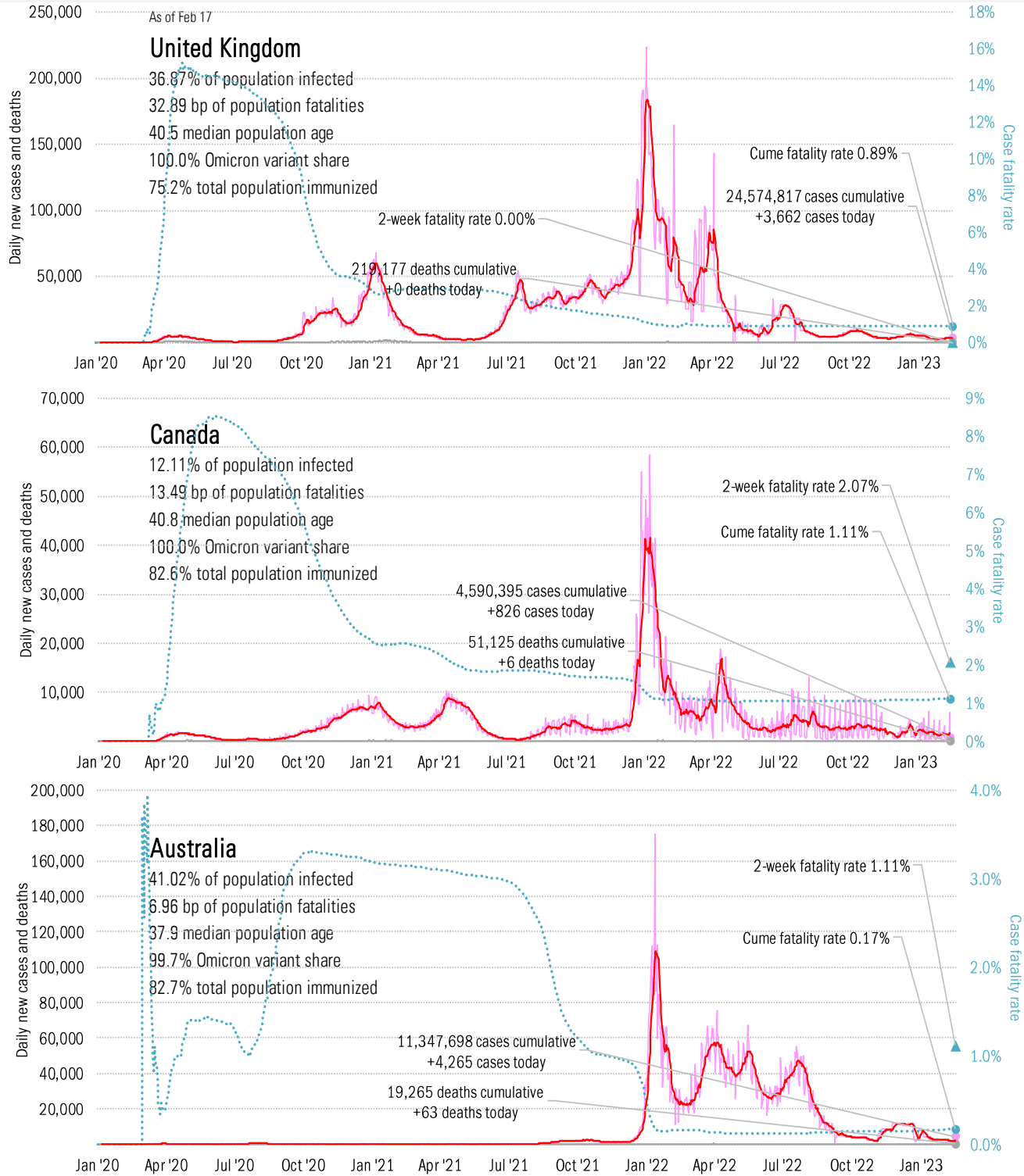
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

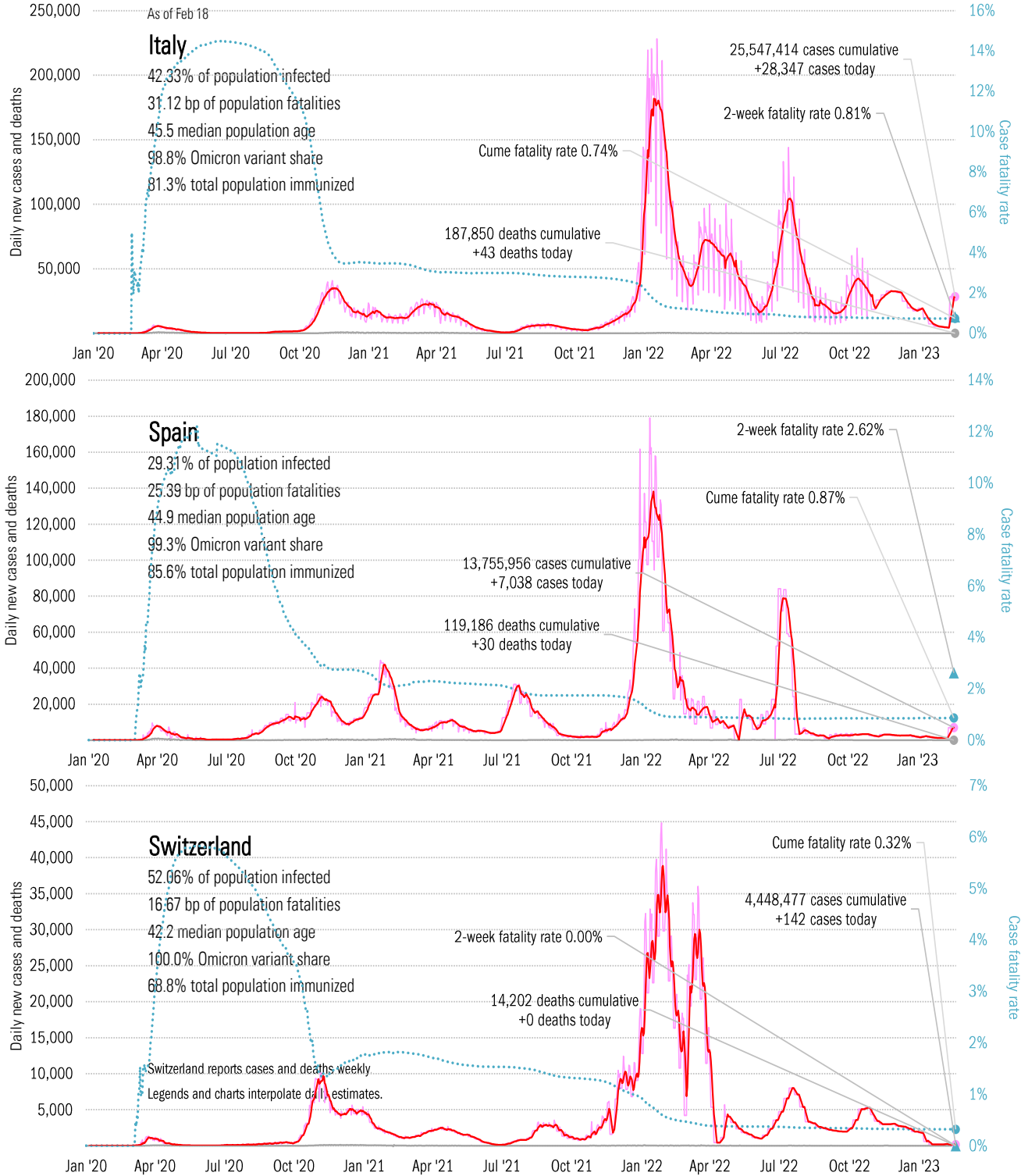
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

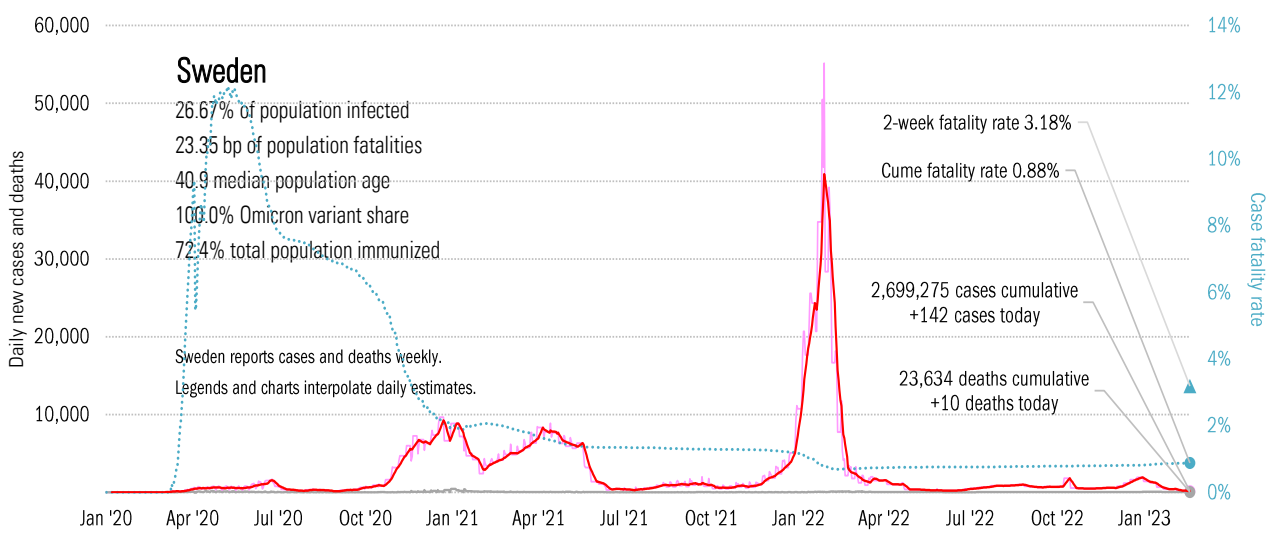
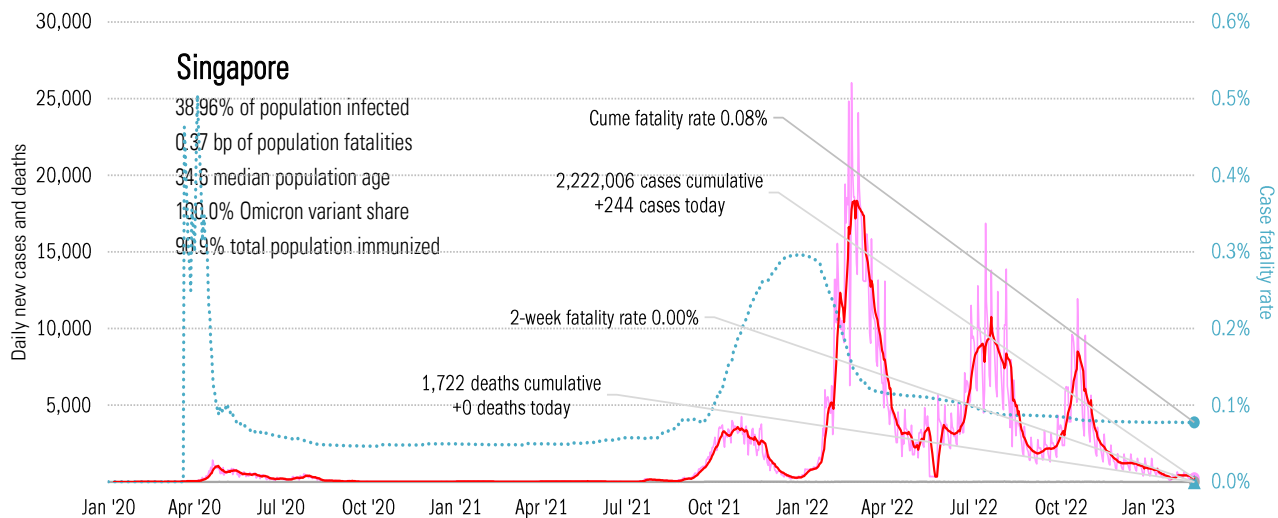
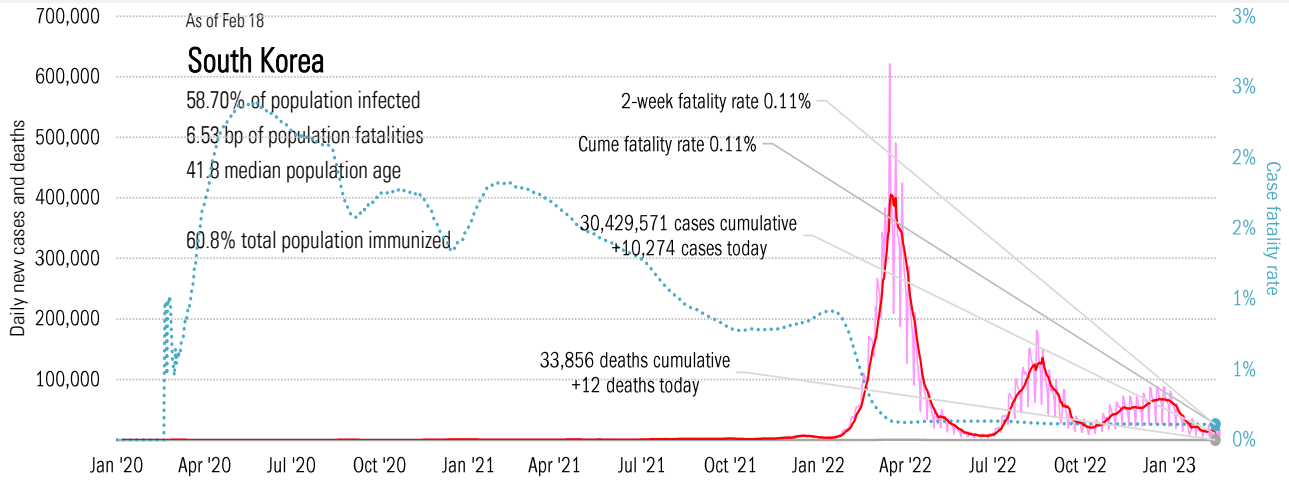
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

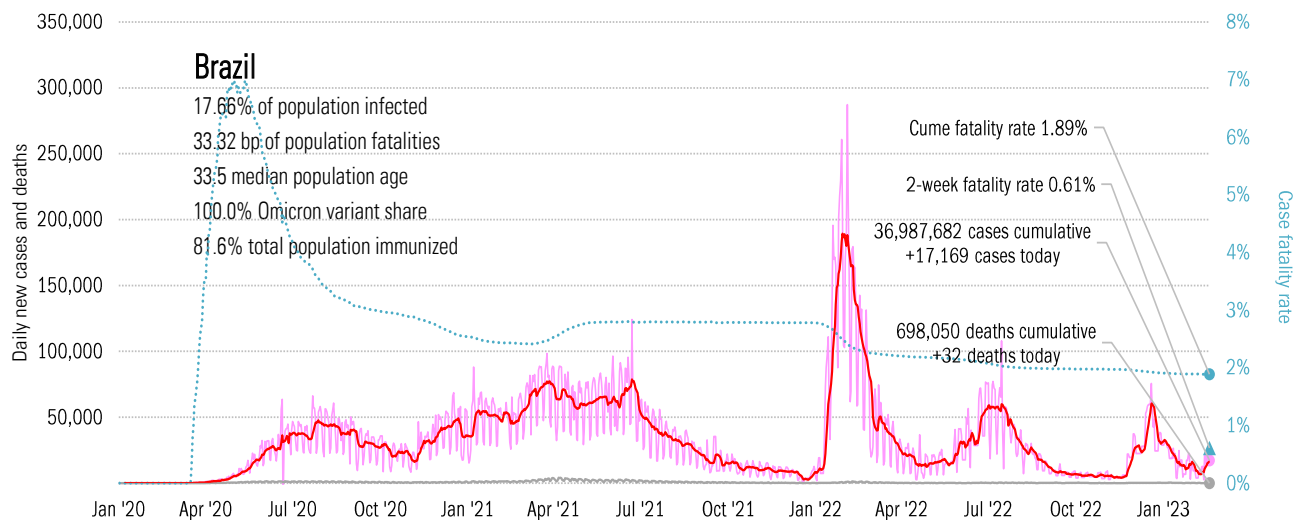
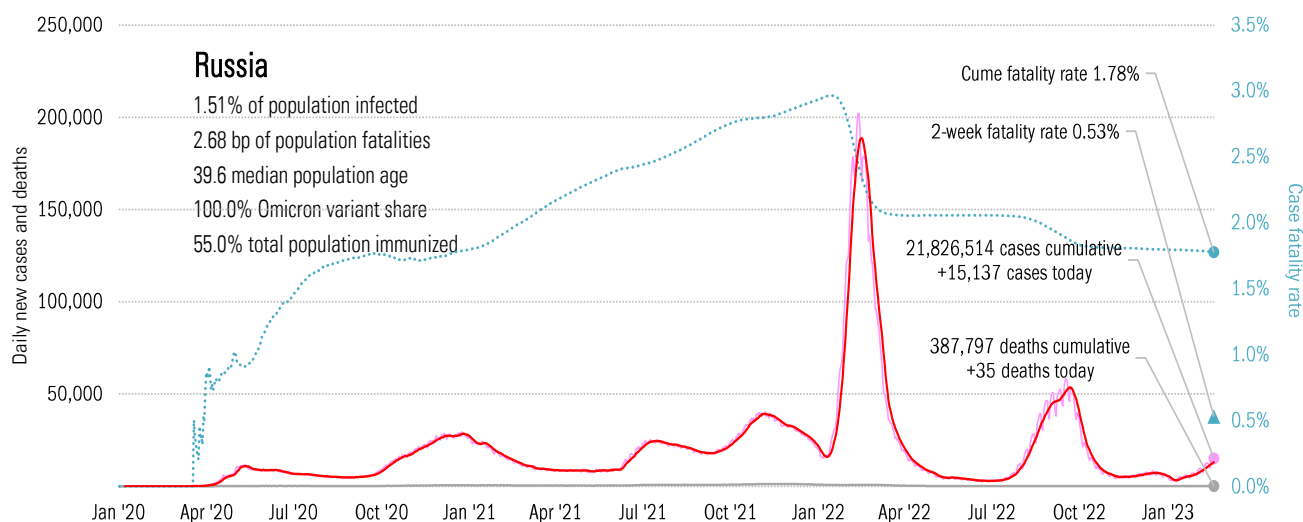
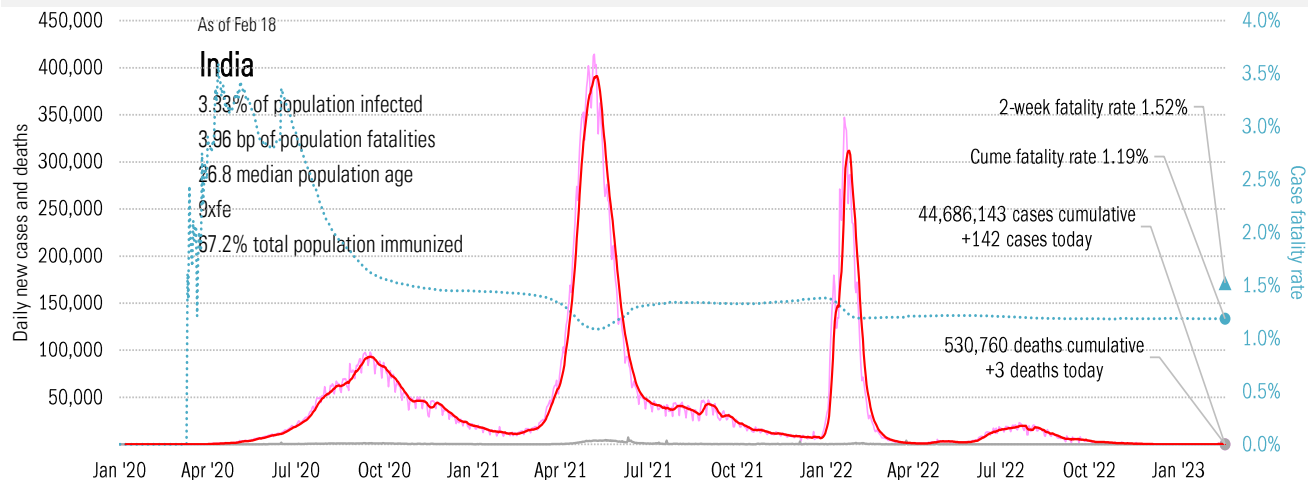
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

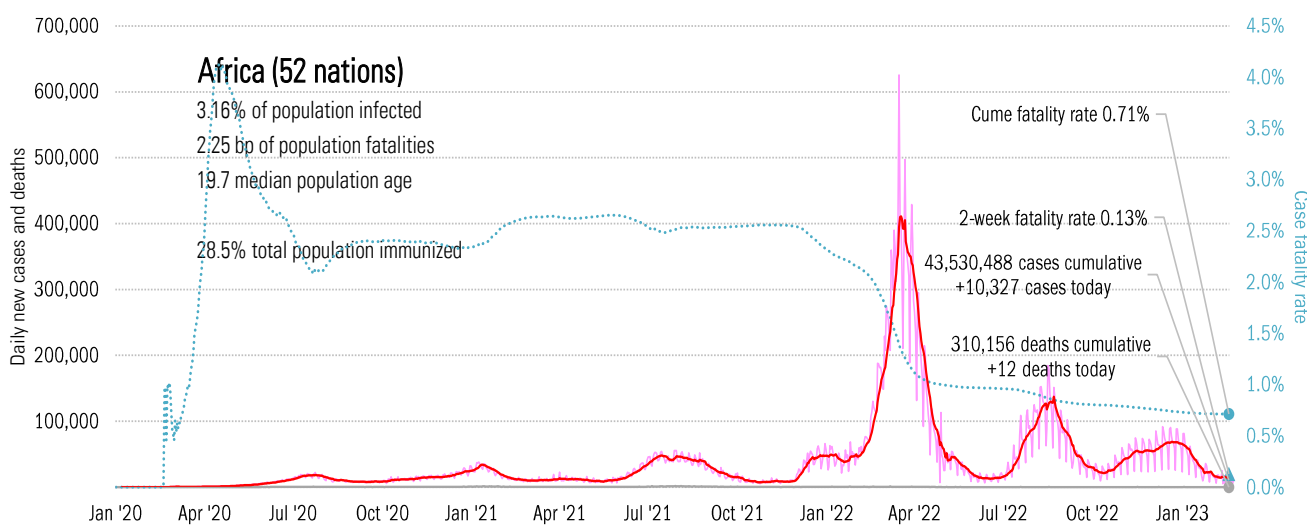
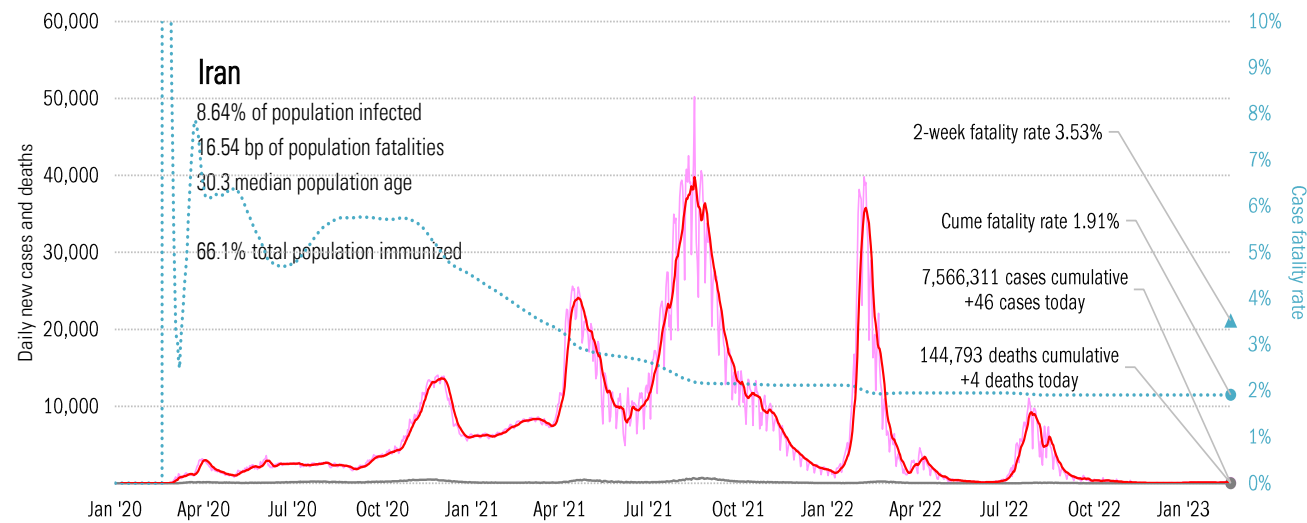
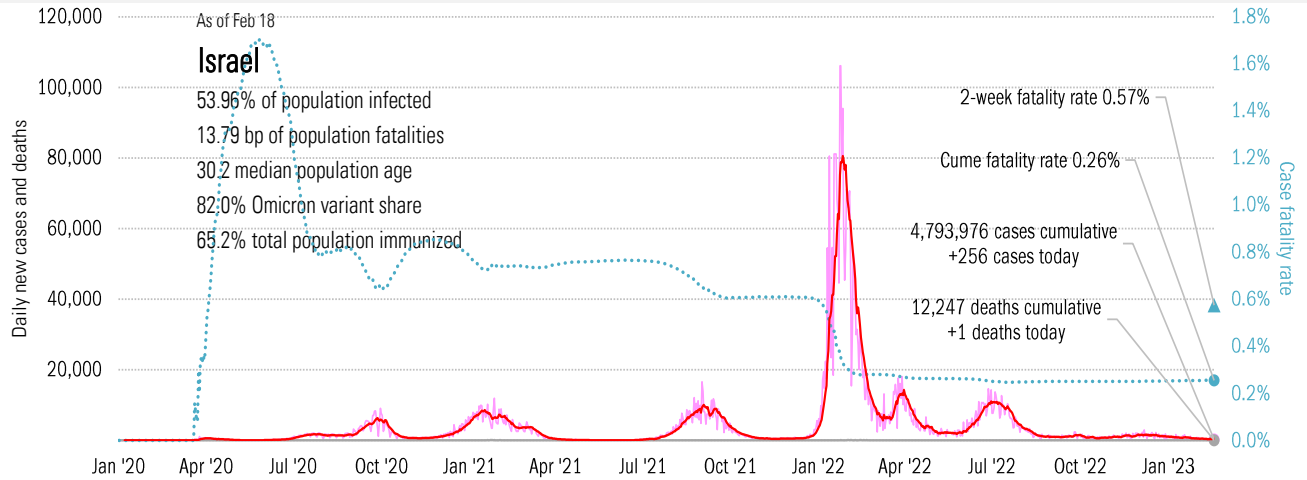
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

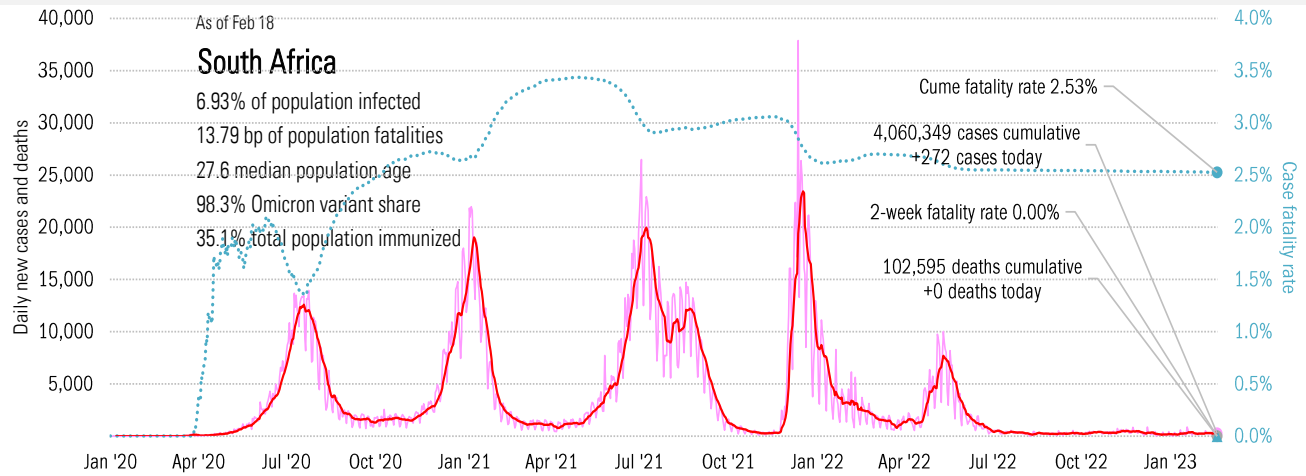
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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