

Data Insights: Covid-2019 Monitor

Thursday, February 16, 2023

The global scorecard

Cases: 7-day average and daily Deaths: Daily

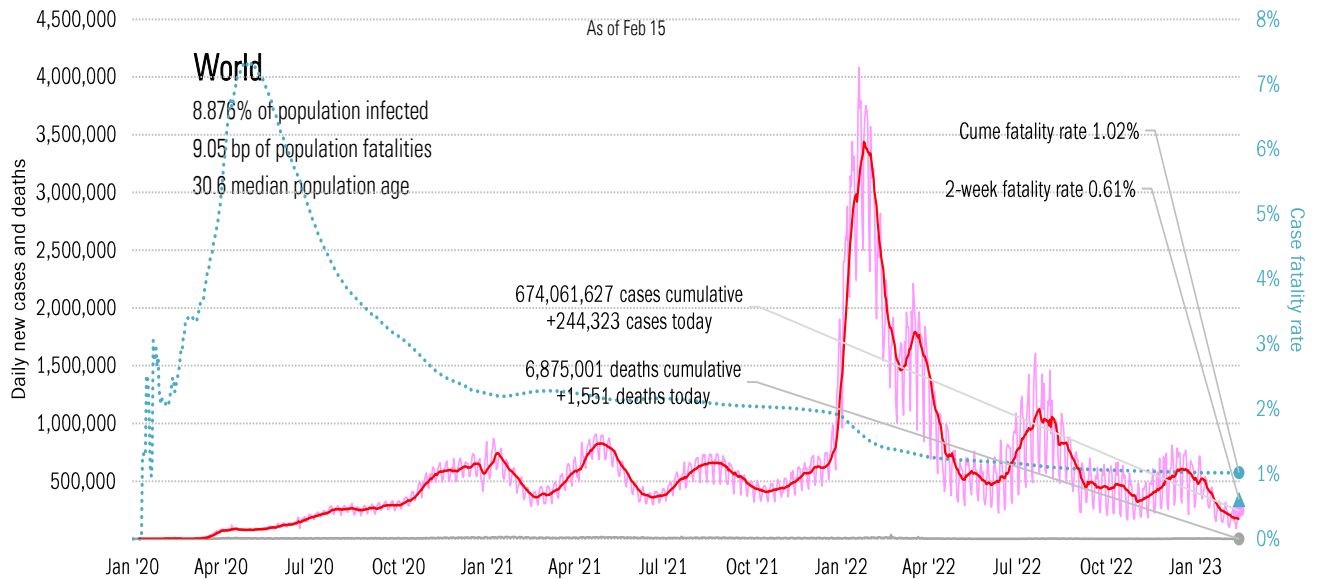
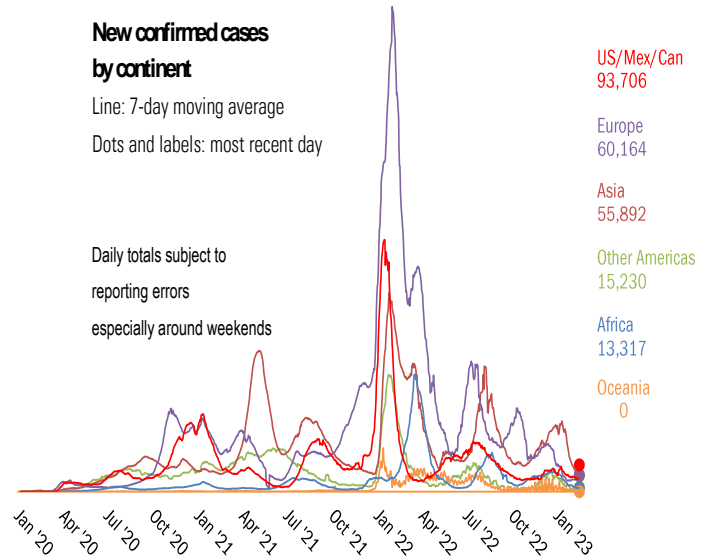
The worst ten countries (see China note page 14)

New cases		New Deaths	
United States	56,068	United States	483
Japan	28,772	Japan	213
Germany	20,911	Brazil	142
Taiwan*	19,851	China	126
Brazil	17,948	Germany	125
Russia	13,369	Taiwan*	65
Korea, South	12,519	United Kingdom	48
Austria	6,277	Ukraine	45
China	5,373	Mexico	42
Ukraine	5,350	Italy	40

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

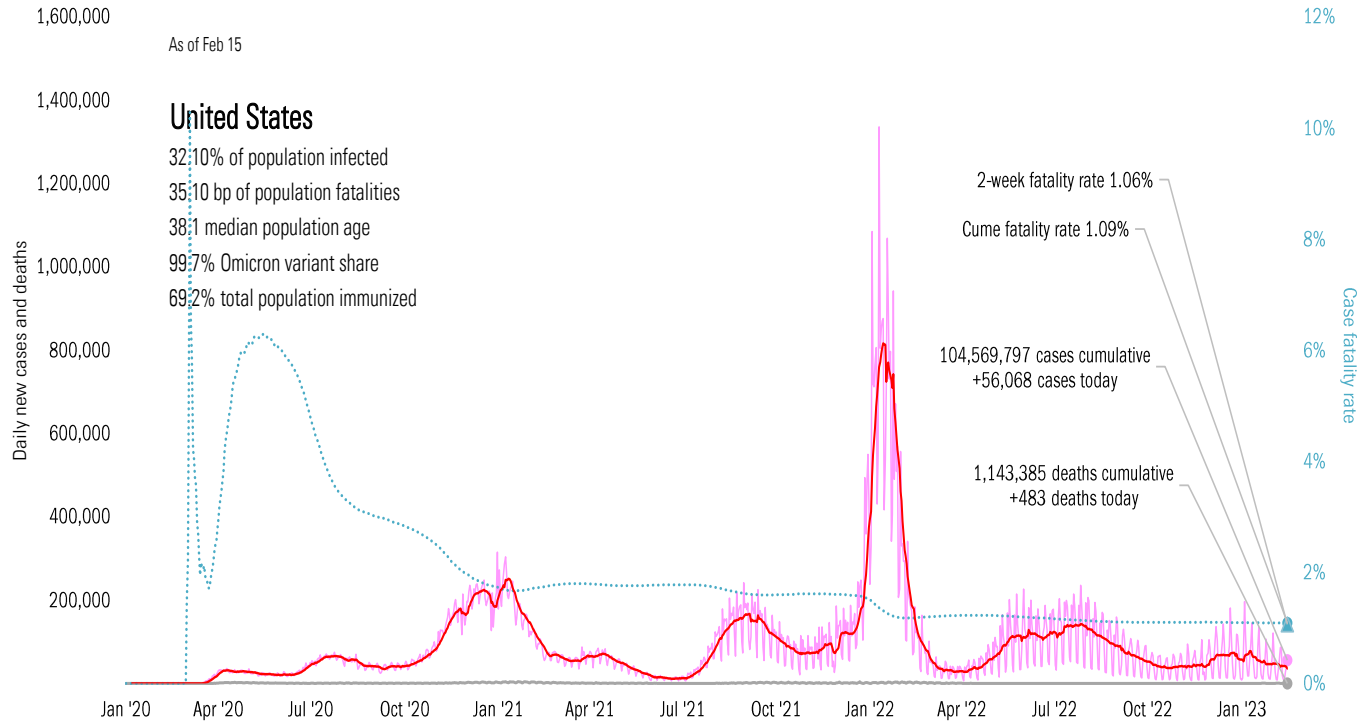
The ten worst US states

New cases			New deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use		
TX	15,779		MI	59		NY	292		CA	12,031,907		CA	100,314		TX	586,424		MA	88%	AL	89%	
AL	6,073		FL	49		AL	75		TX	8,416,861		TX	93,040		CA	563,783		RI	87%	RI	87%	
FL	5,700		NY	38		NJ	191		FL	7,483,857		FL	85,710		FL	530,796		WA	85%	TX	86%	
CA	3,195		WI	22		WV	37		NY	6,754,579		NY	76,904		NY	352,282		MN	84%	MS	85%	
NY	2,454		PA	19		MI	108		IL	4,040,139		PA	50,055		CH	242,888		DC	84%	NM	84%	
NC	1,673		MA	19		NV	25		PA	3,501,712		GA	42,245		GA	241,350		DE	84%	MA	83%	
PA	1,499		CA	14		KY	62		NC	3,449,973		MI	41,868		PA	229,169		NH	83%	VT	83%	
NJ	1,480		WA	13		MS	32		CH	3,364,860		CH	41,535		IL	212,389		MD	82%	NC	82%	
IL	1,462		GA	12		NE	18		GA	3,049,248		IL	41,261		MI	179,882		MO	82%	WV	81%	
CH	1,262		MN	11		AR	27		MI	3,043,192		NJ	35,897		NJ	162,249		NY	81%	NH	81%	
40,578			255			867			55,136,328			608,829			3,301,212							
All states	56,068		483		3,574		All states	104,569,797		1,143,385		5,981,436		All states	70%		67%					
Top ten	72%		53%		24%		Top ten	54%		55%		55%		Median	76%		76%					

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CO	-1,034	MO	-30	TN	-87
MD	-1,011	TN	-25	CH	-78
WV	-280	VA	-20	TX	-75
MO	-244	MD	-18	CA	-65
NJ	-134	IL	-12	NC	-62

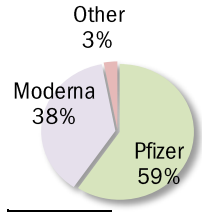


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	687,056,320		+0.220 million		US	69.2%	81.0%	
			Of which boosters: +0.157 million		UK	75.2%	79.7%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.4%	80.6%
Total population	277,638,793	83%	236,656,371	71%	+0.030 million	Spain	85.6%	86.9%
Age 12 to 17	18,464,819	73%	15,803,584	62%	+0.002 million	Germany	76.2%	77.8%
Age 18 to 64	184,583,588	91%	156,864,729	77%	+0.016 million	Italy	81.3%	86.2%
Age 65 and over	61,066,754	100%	53,495,666	98%	+0.005 million	Australia	82.7%	85.0%
						Israel	65.2%	71.1%
						Canada	82.6%	90.4%
						Japan	83.3%	84.4%
						Africa	28.2%	34.2%
						India	67.2%	72.5%
						Brazil	81.6%	87.8%
						China	89.5%	91.9%



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

"Immunity" = two doses

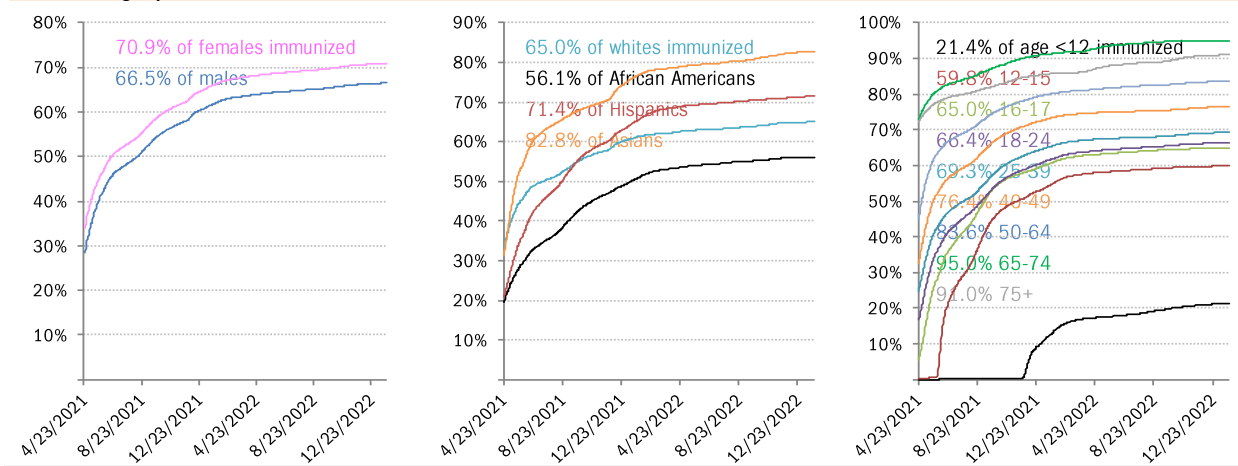
AK
73.0%
65.1%

WI
75.1%
68.2%

ME
95.0%
83.3%

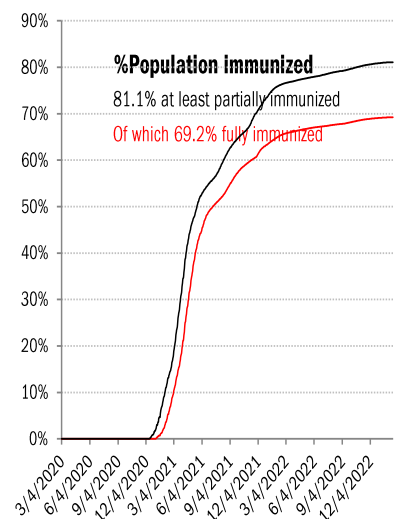
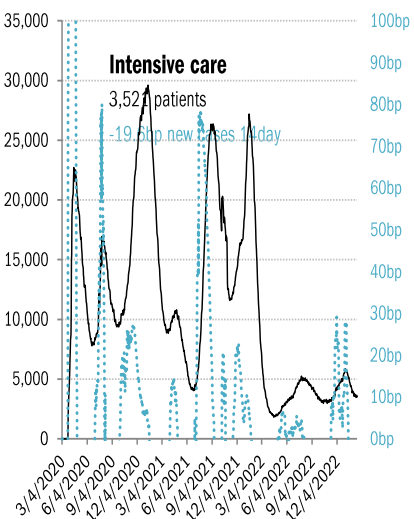
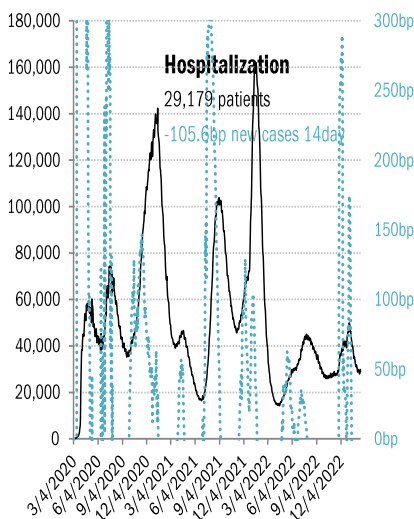
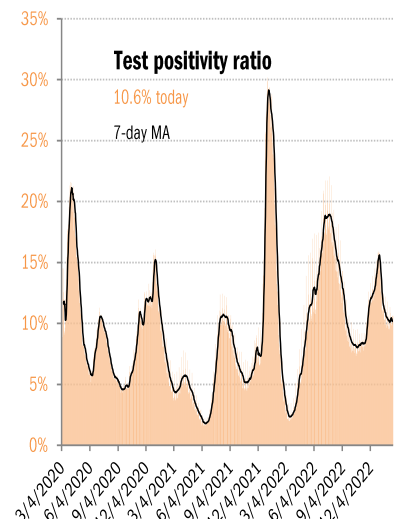
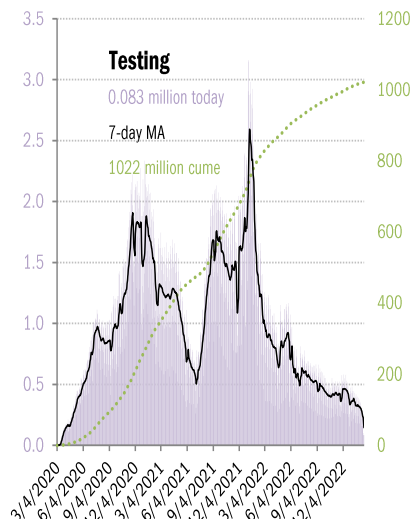
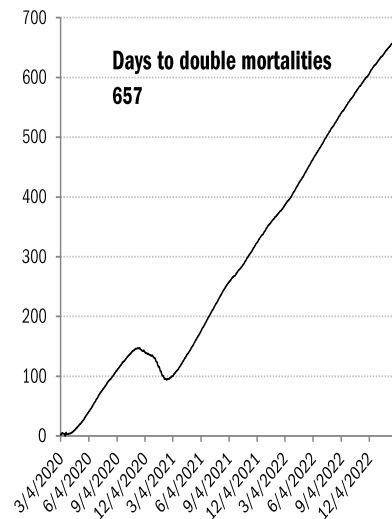
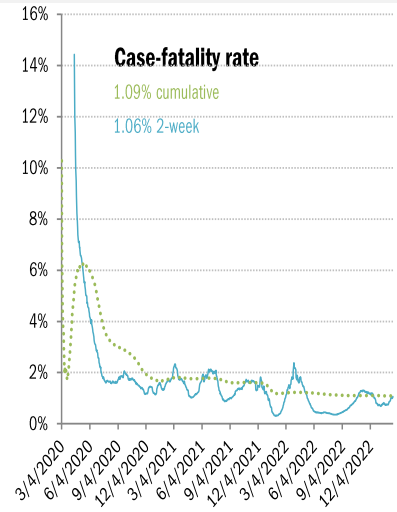
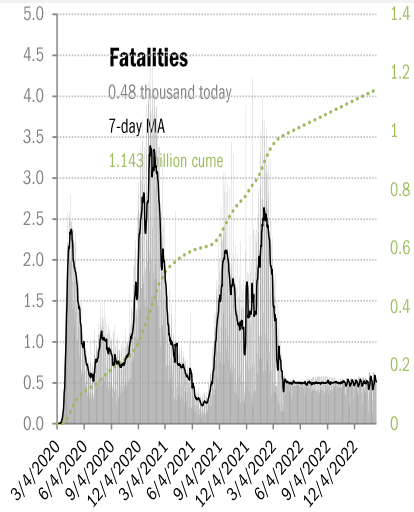
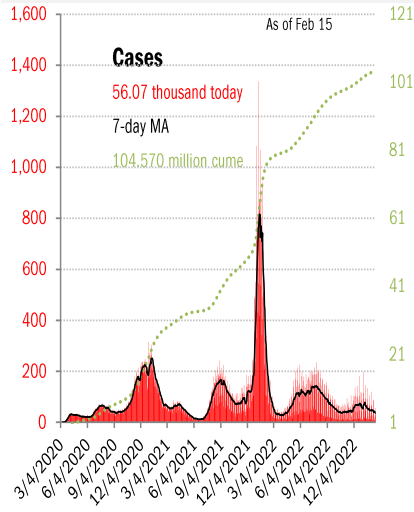
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
85.2%	63.9%	68.2%	69.3%	78.8%	79.1%	69.4%	94.4%	95.0%	88.1%	
76.0%	56.4%	59.1%	58.6%	72.1%	71.3%	62.3%	80.8%	85.6%	71.9%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.6%	77.6%	60.8%	83.8%	70.6%	64.4%	65.7%	90.5%	94.6%	95.0%	
72.4%	63.7%	53.0%	66.2%	64.3%	57.7%	60.4%	73.3%	79.1%	84.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.7%	75.3%	83.6%	73.4%	69.3%	68.8%	67.5%	91.0%	91.7%	95.0%	95.0%
74.6%	66.7%	73.5%	66.2%	59.0%	59.6%	59.7%	76.6%	79.7%	83.0%	87.7%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
77.5%	94.4%	76.2%	69.9%	64.4%	92.2%	71.0%	95.0%	88.2%		
66.0%	75.2%	65.3%	56.8%	56.2%	67.1%	59.9%	90.3%	73.3%		
OK	LA	MS	AL	GA						
74.6%	62.8%	61.6%	65.0%	68.4%						
60.4%	55.0%	53.7%	53.1%	57.3%						
TX										
76.4%										
63.2%										
HI										
91.4%										
81.5%										
FL										
82.4%										
69.4%										
PR										
90.9%										
84.0%										

The demographics of US vaccination

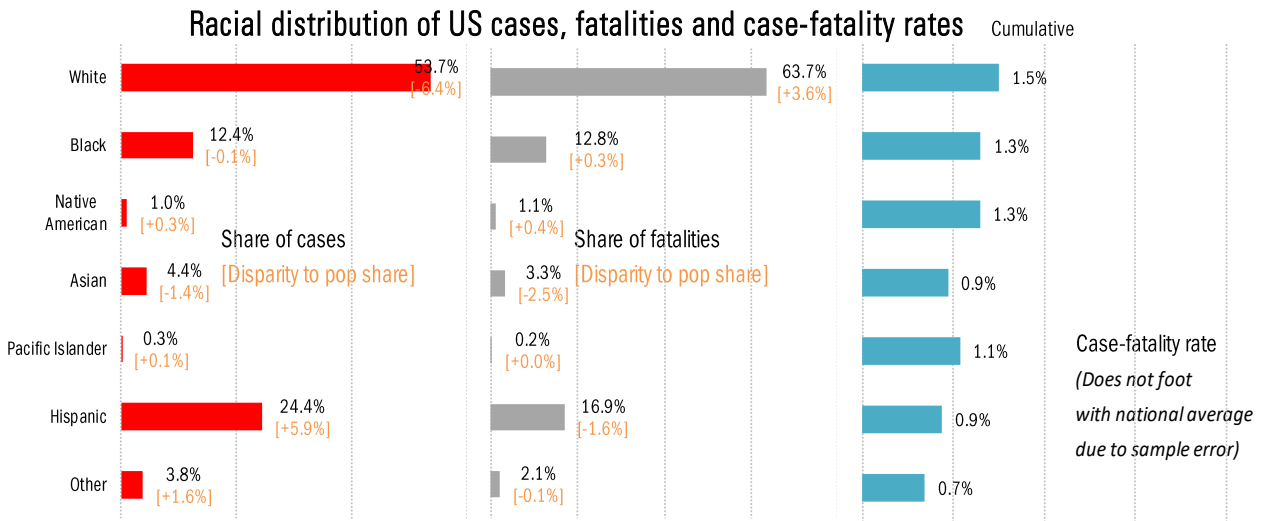
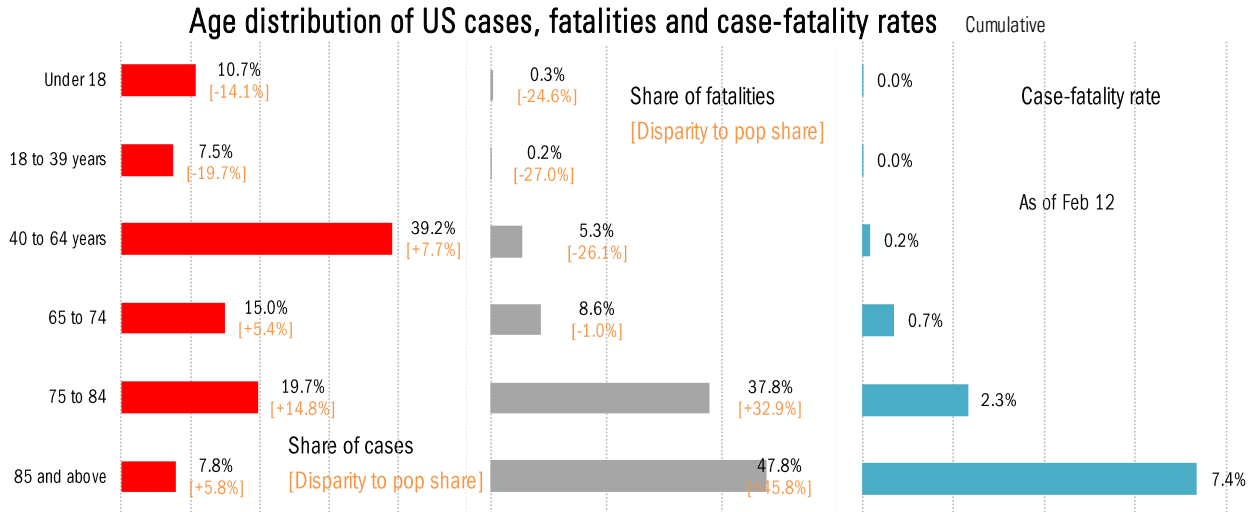


Source: CDC, CDC, Our World in Data, TrendMacro calculations

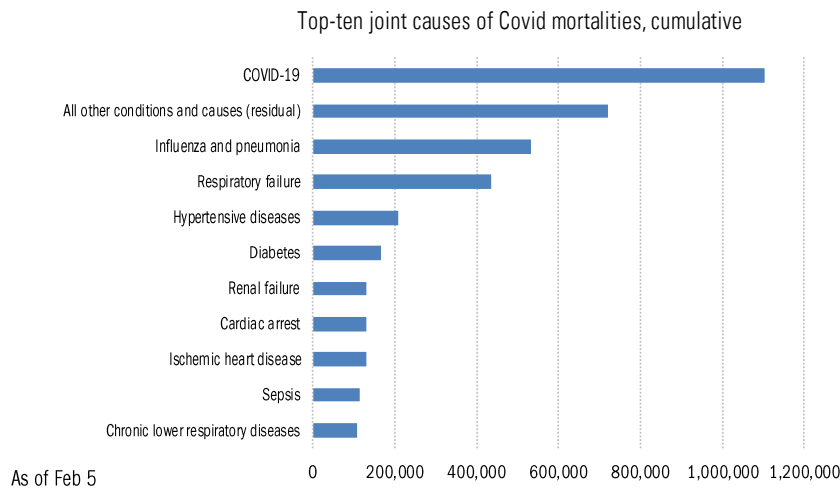
US deep-dive



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

[Raquel Welch, 'One Million Years B.C.' and 'Three Musketeers' Icon, Dies at 82](#)

Carmel Dagan
Variety
February 15, 2023

[1 in 45,000](#)

Alex Berenson
Unreported Truths
February 15, 2023

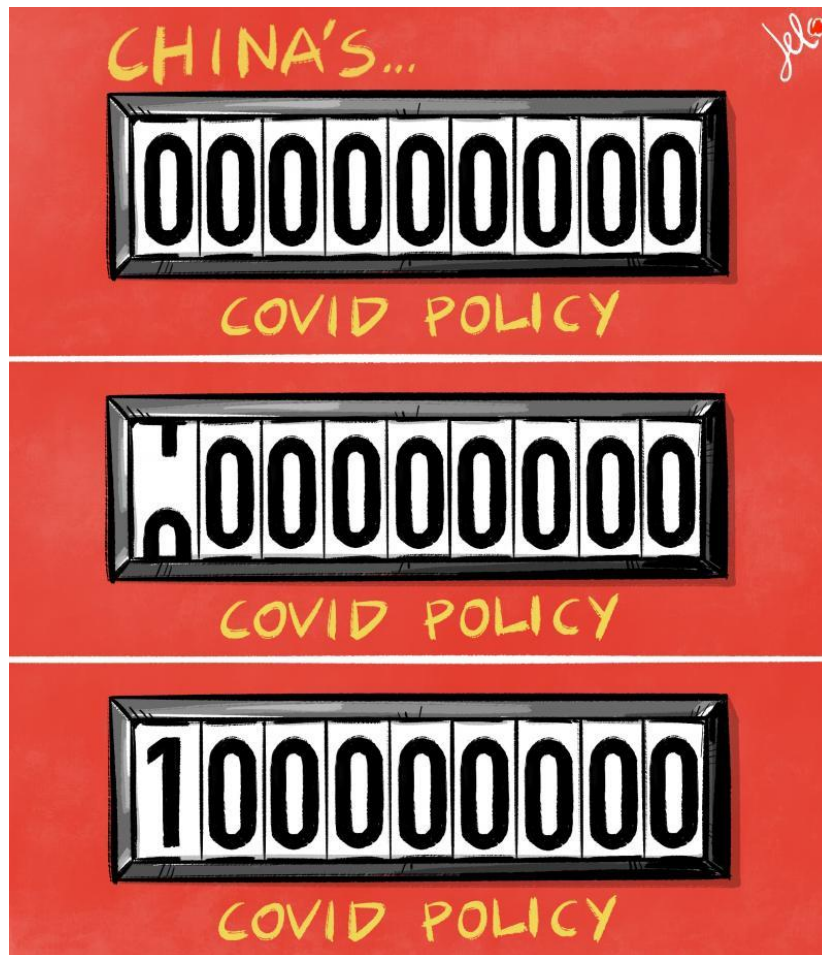
[Age-specific severity of SARS-CoV-2 in February 2020 – June 2021 in the Netherlands](#)

Pieter T. de Boer et al.
medRxiv
February 10, 2023

[Fingerprints of unvaccinated NYC teachers reportedly sent to FBI with 'problem codes': 'Invasion of privacy'](#)

Bailee Hill
Fox News

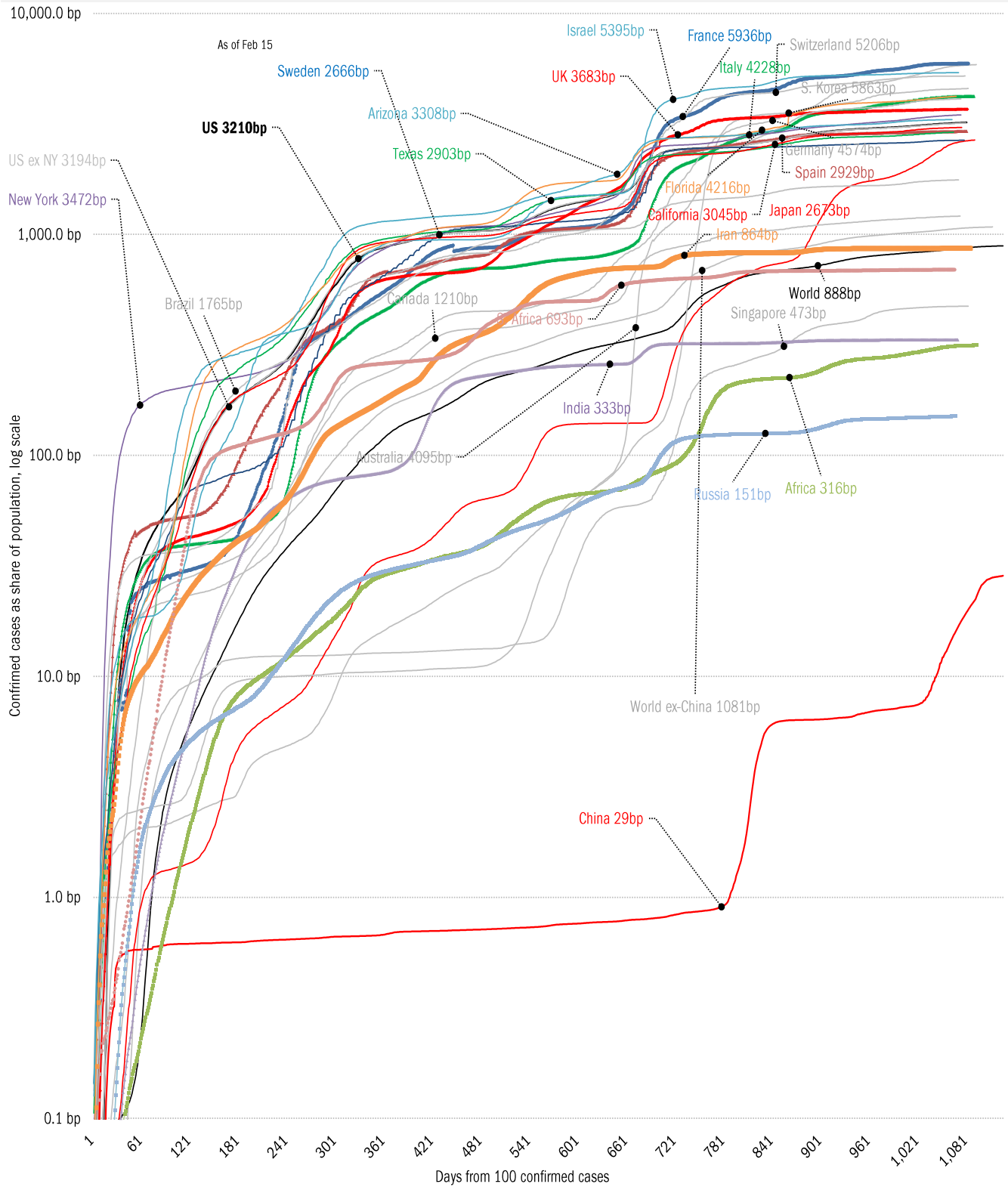
Meme of the Day



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

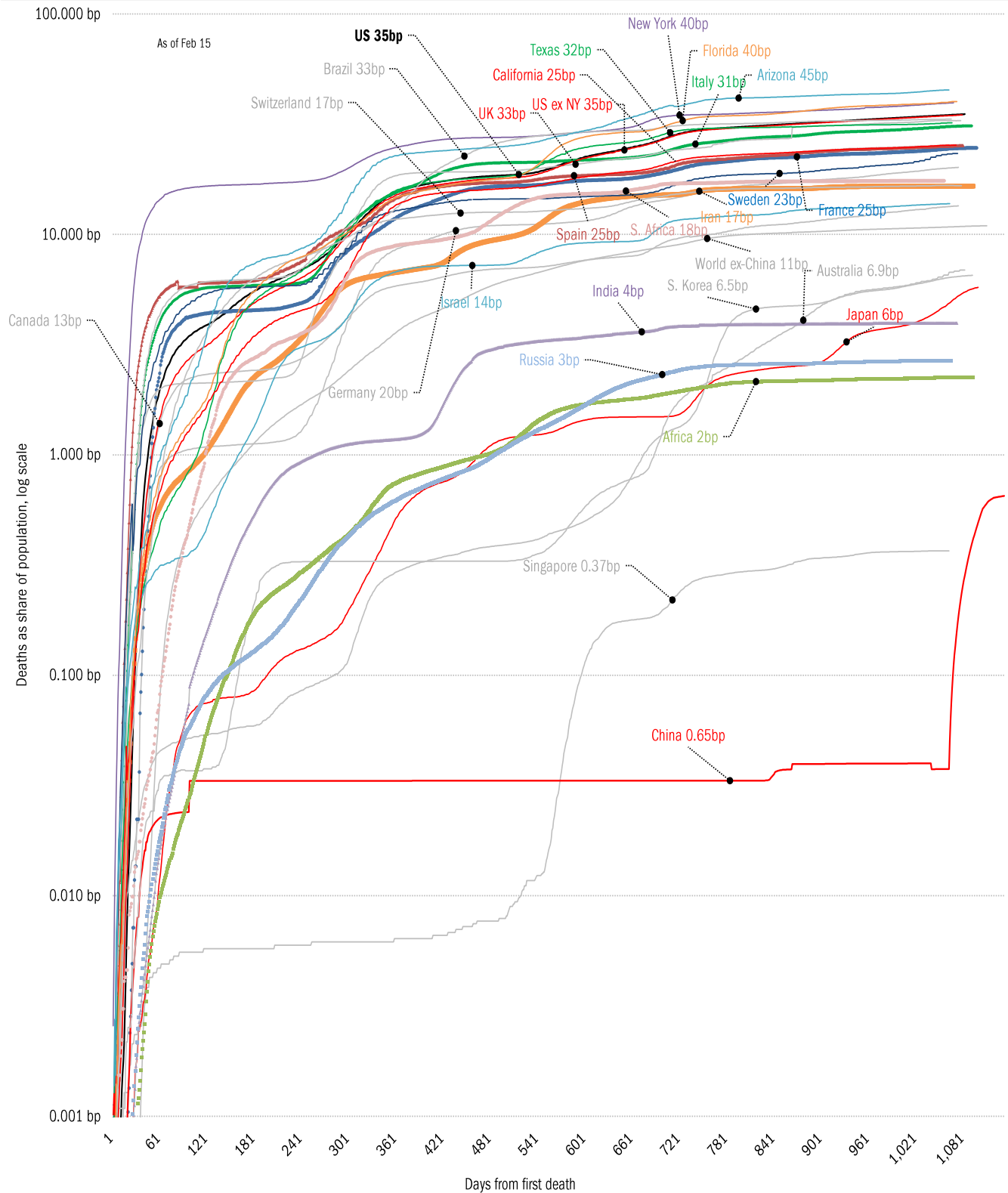
The global coronavirus case accelerometer... tracking the world's infection curves

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

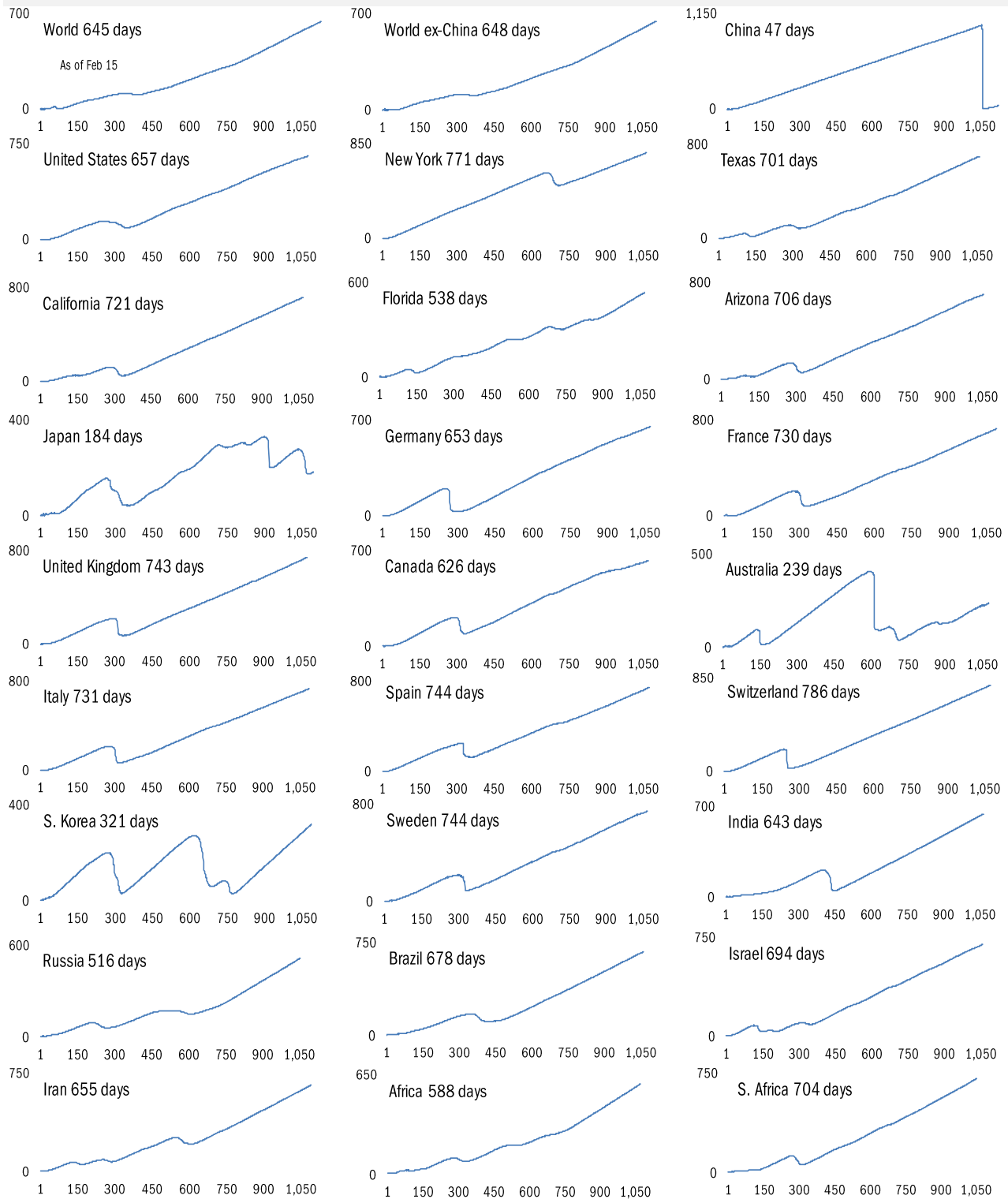


Source: [Johns Hopkins](#), TrendMacro calculations

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

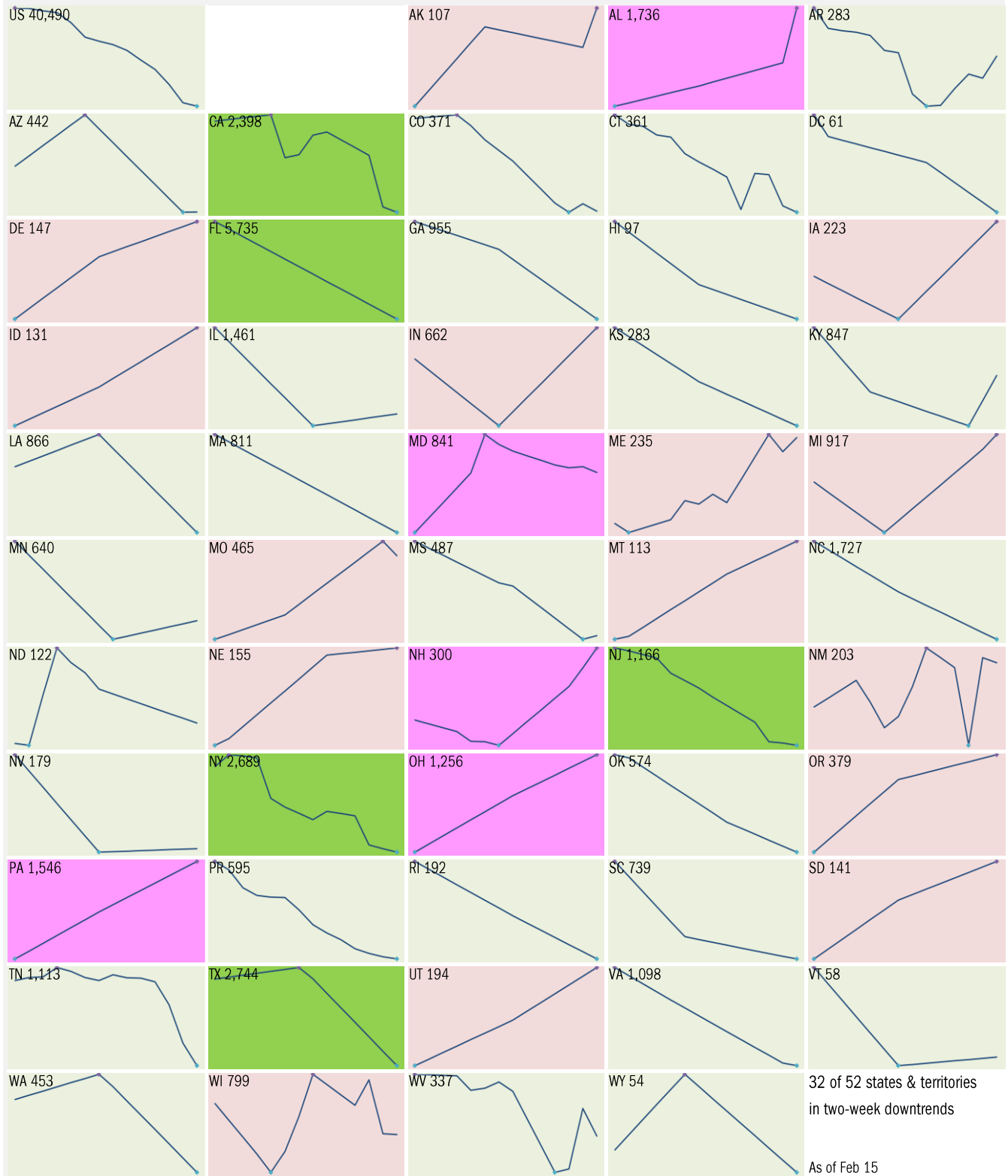


Source: [Johns Hopkins](#), TrendMacro calculations

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

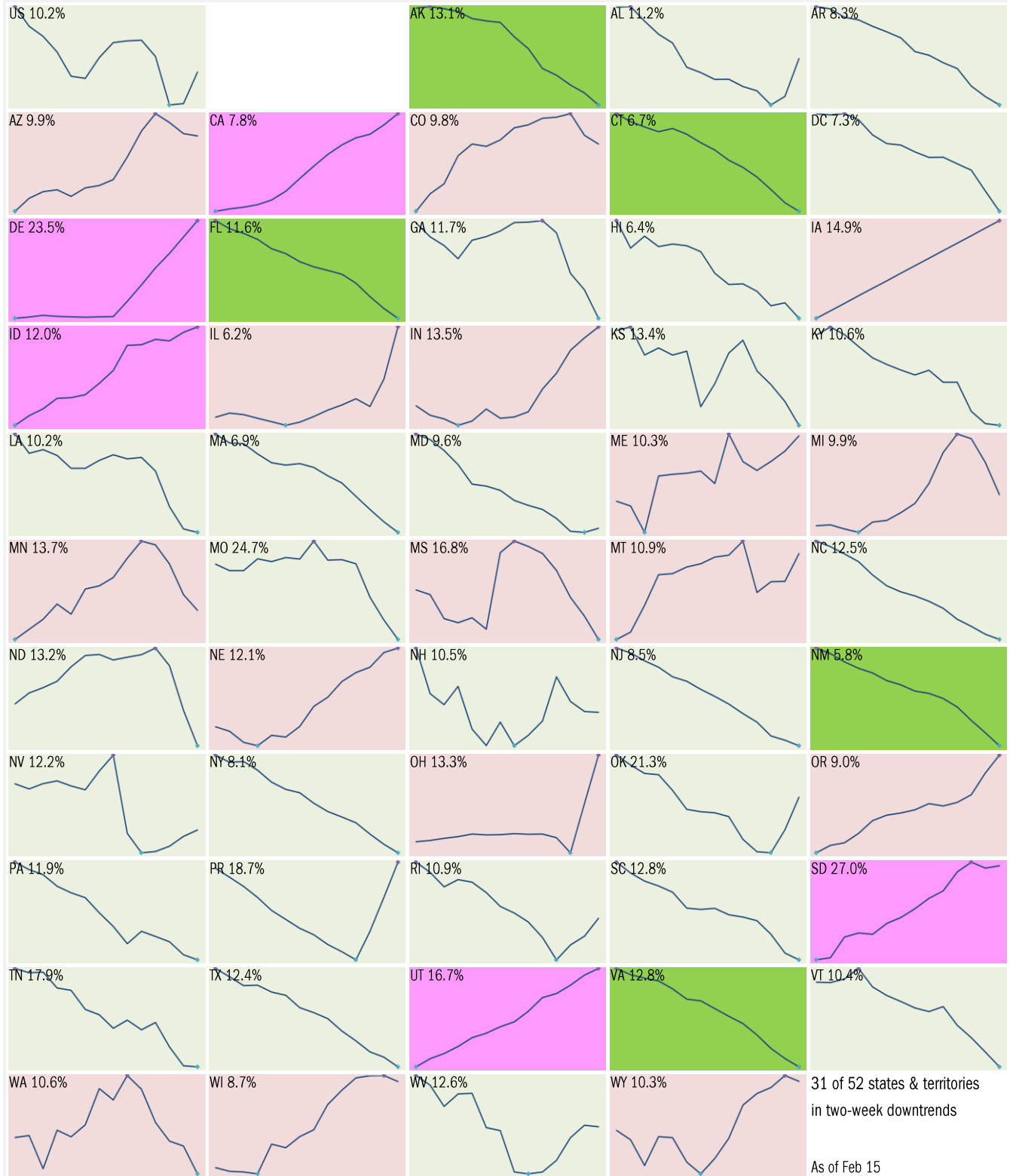


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

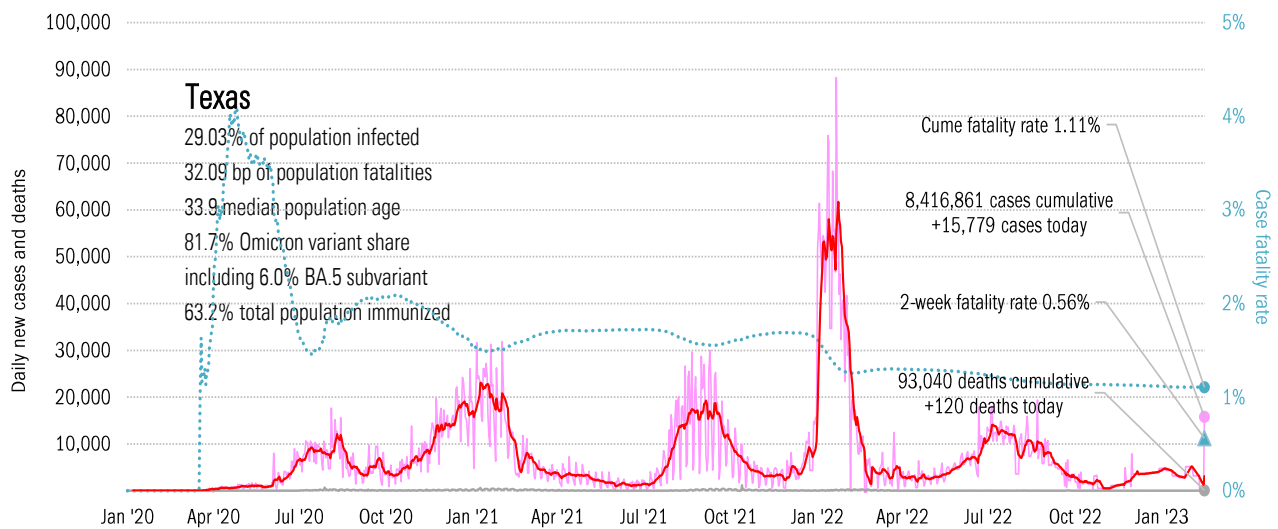
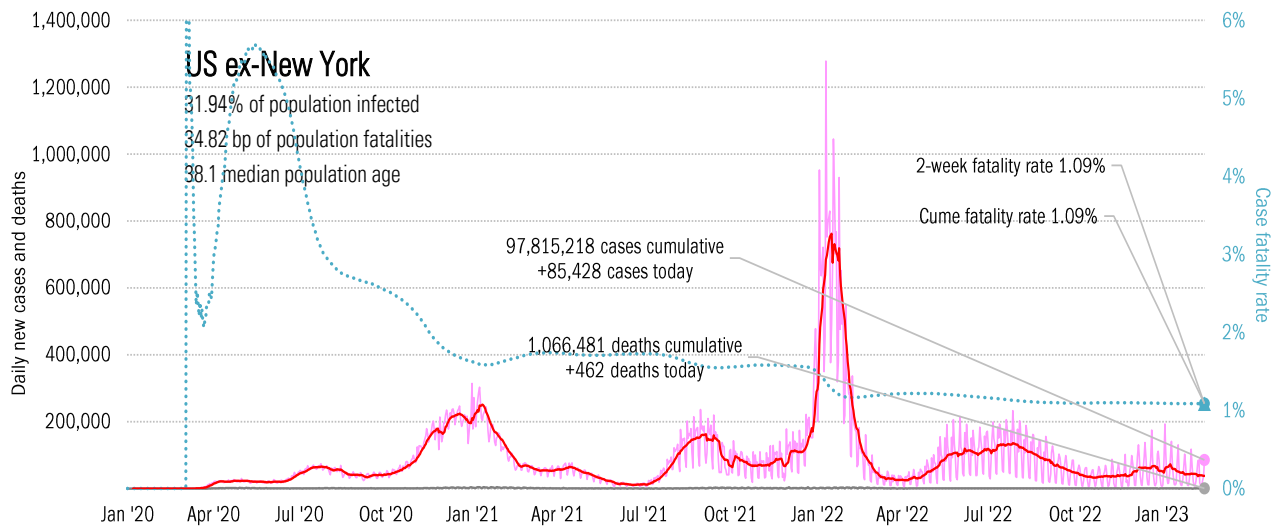
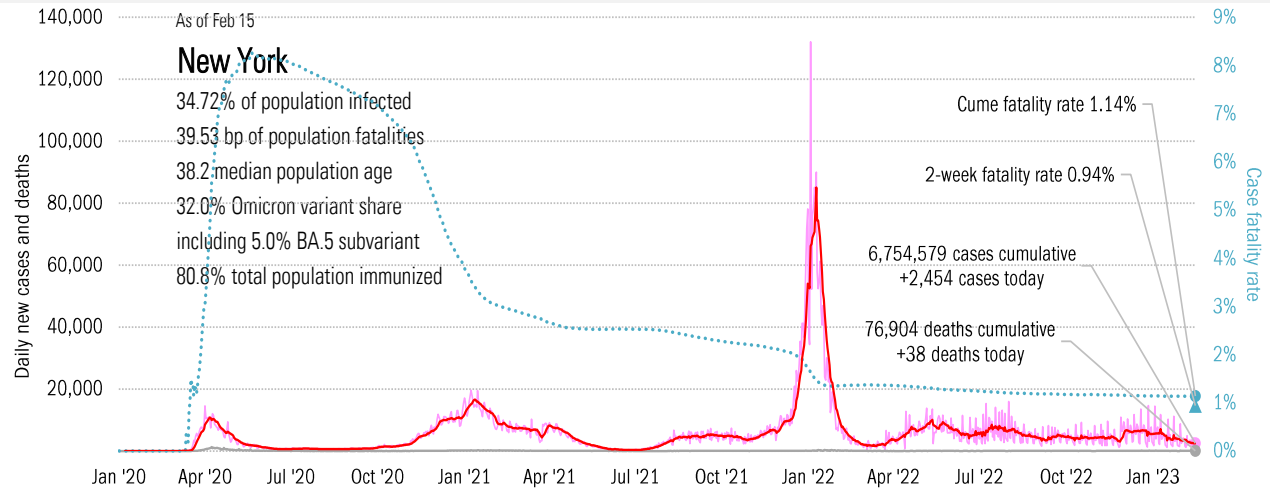
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

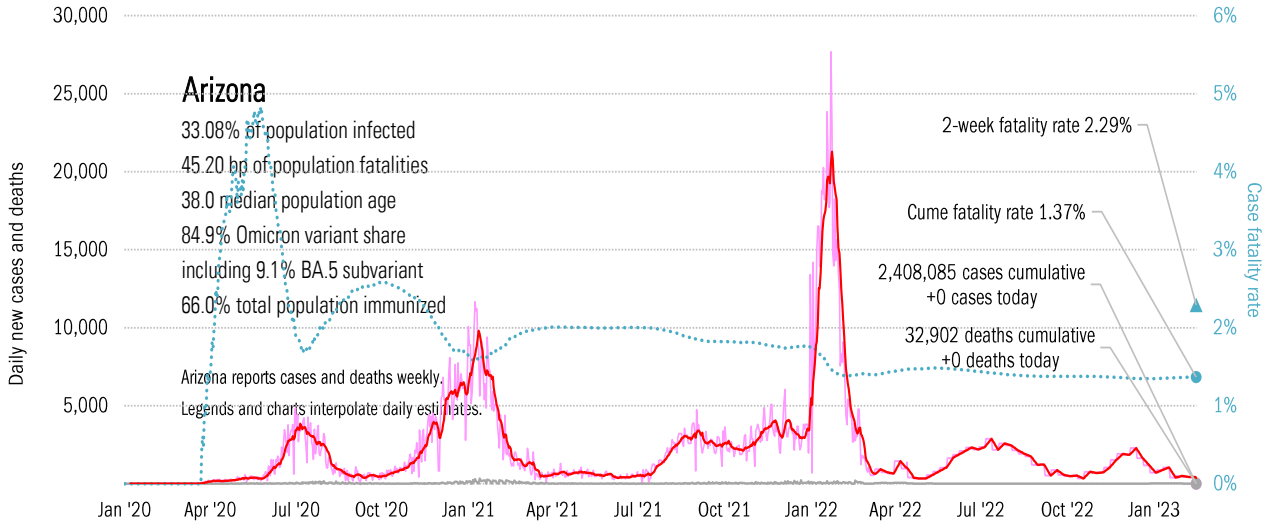
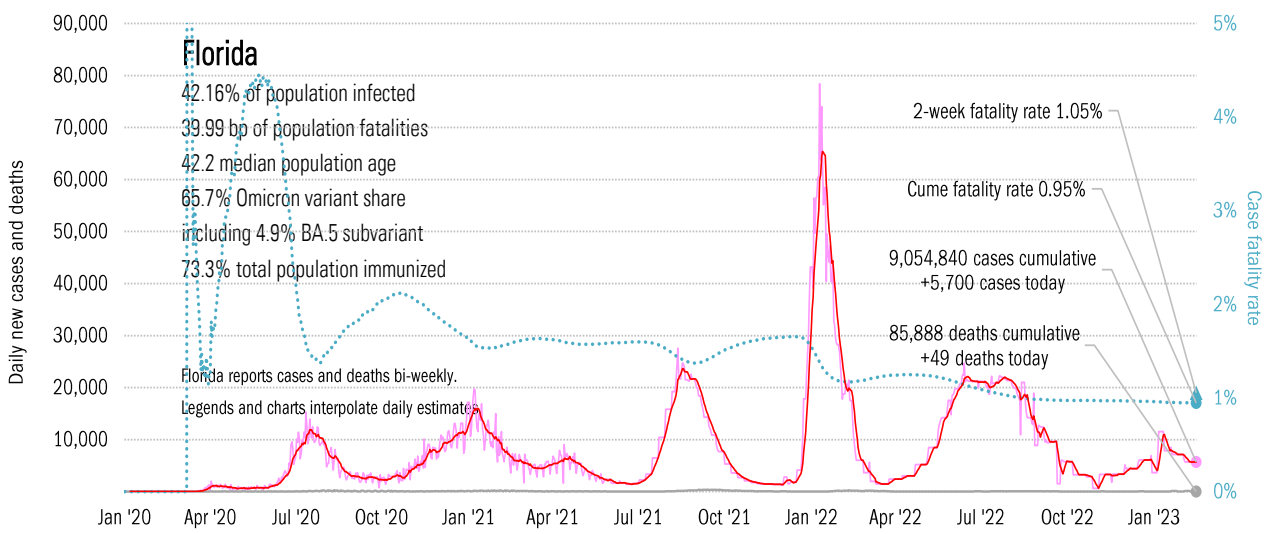
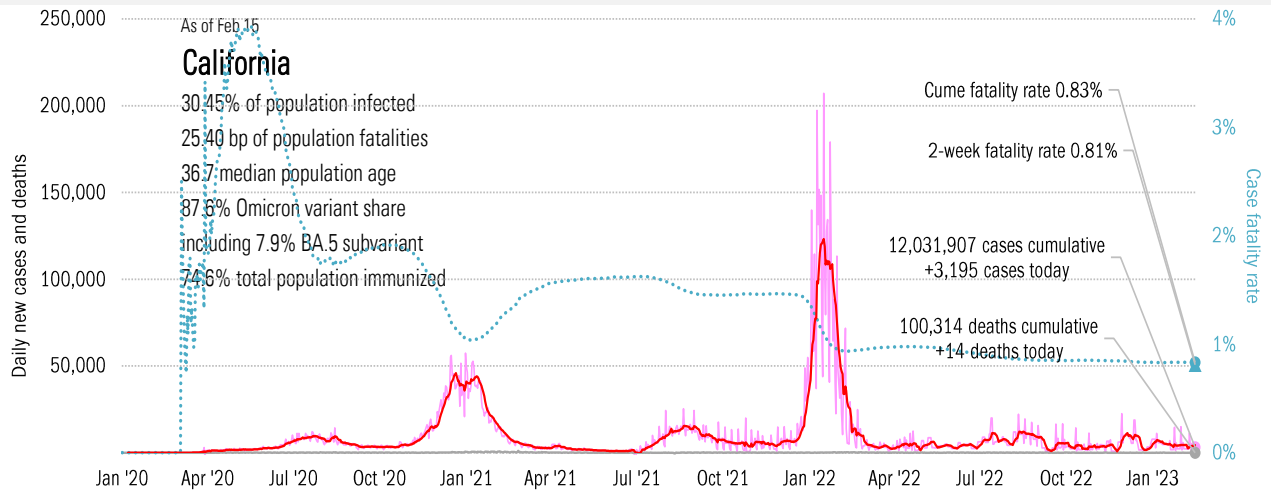
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

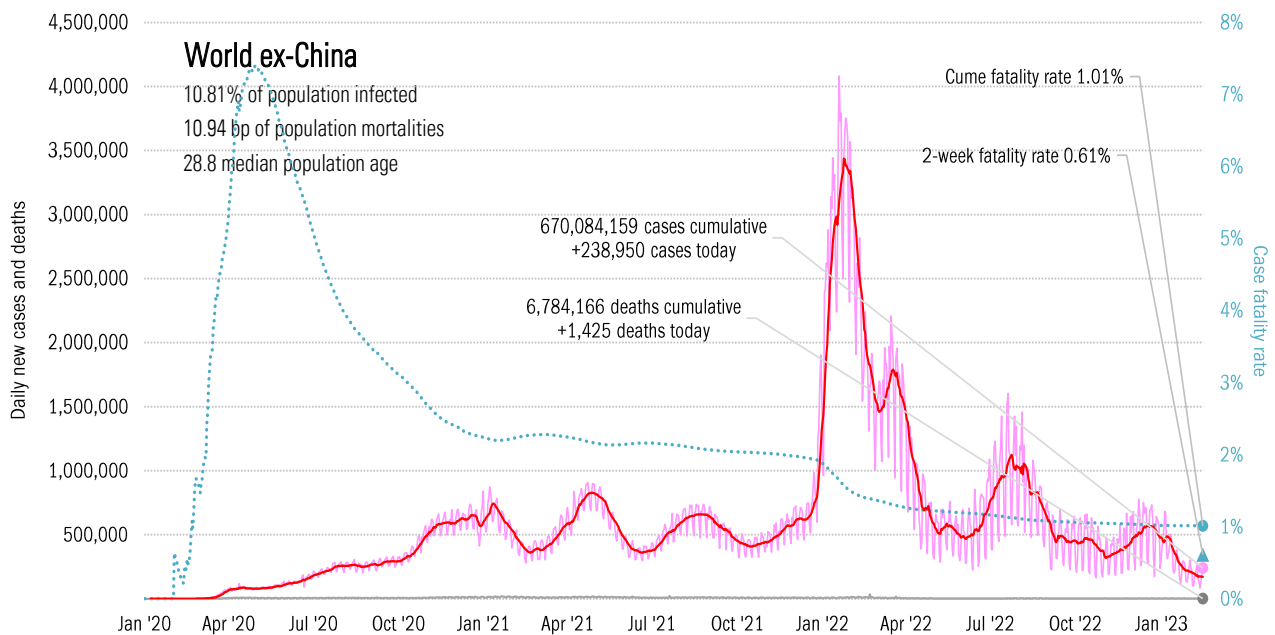
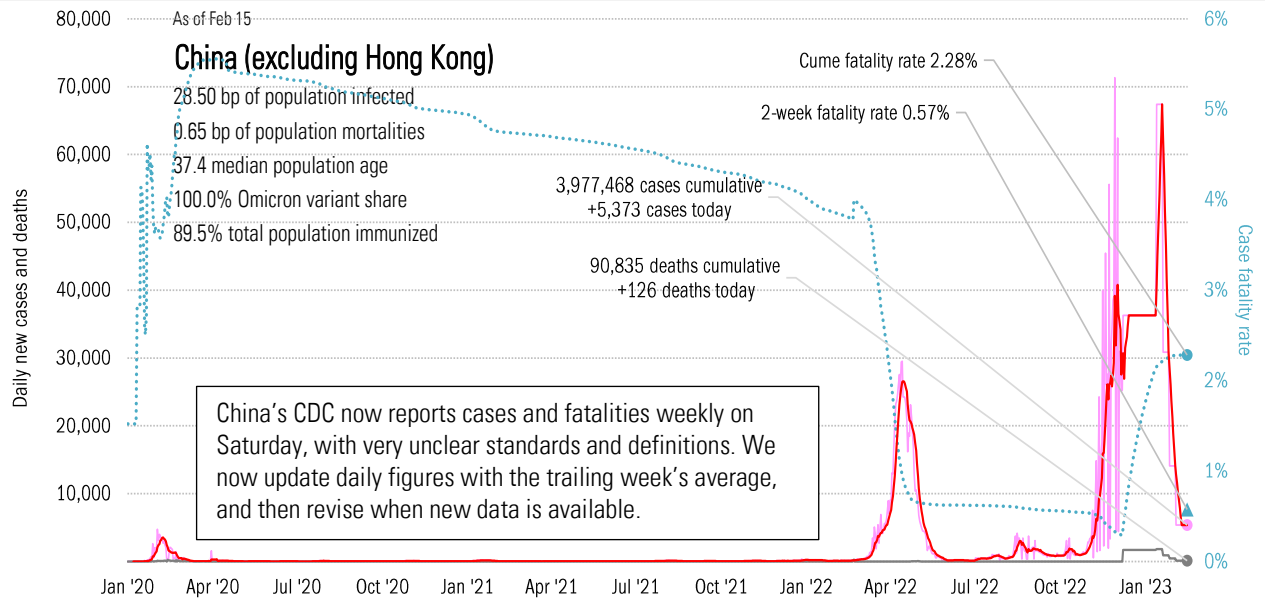
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

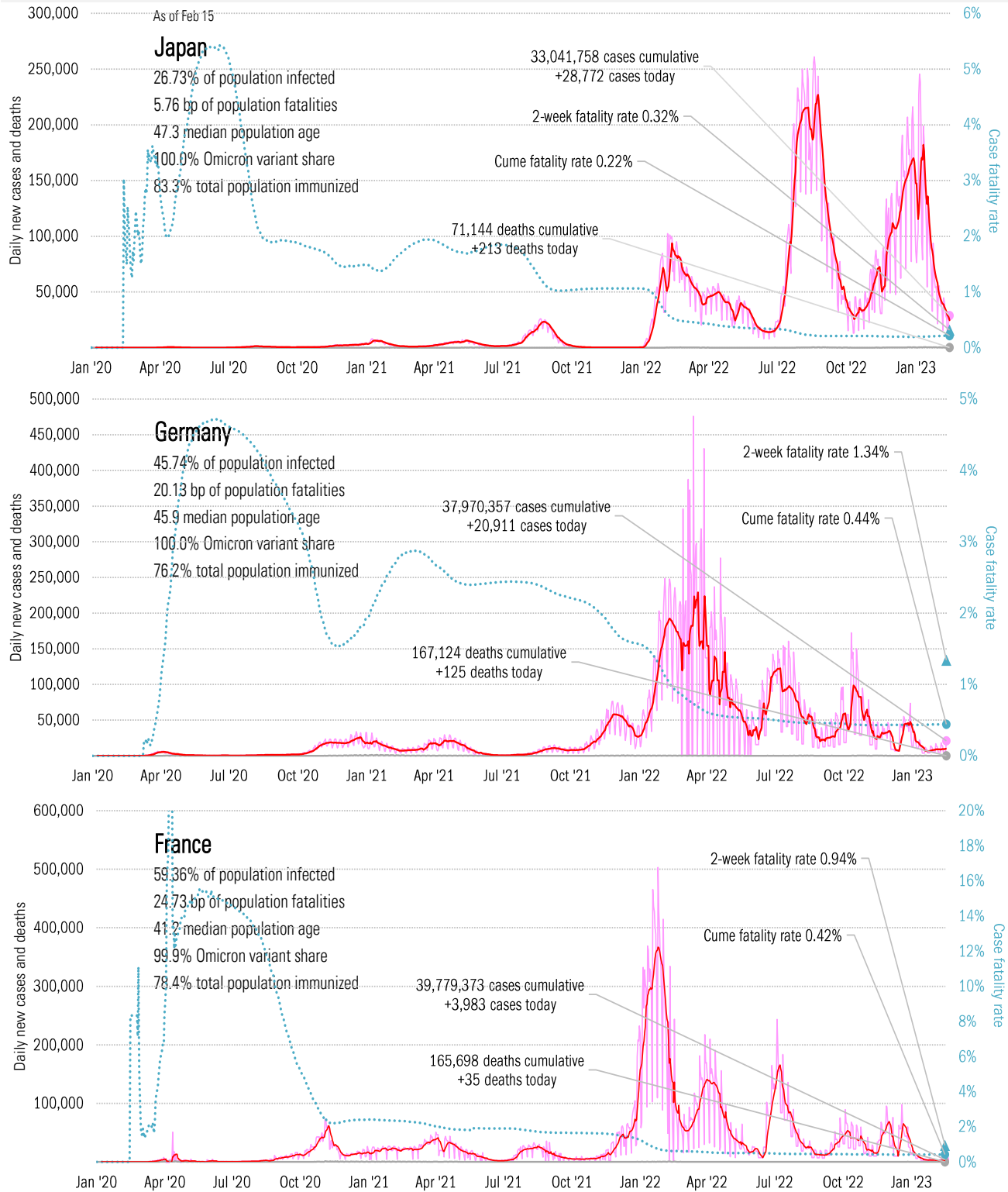
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

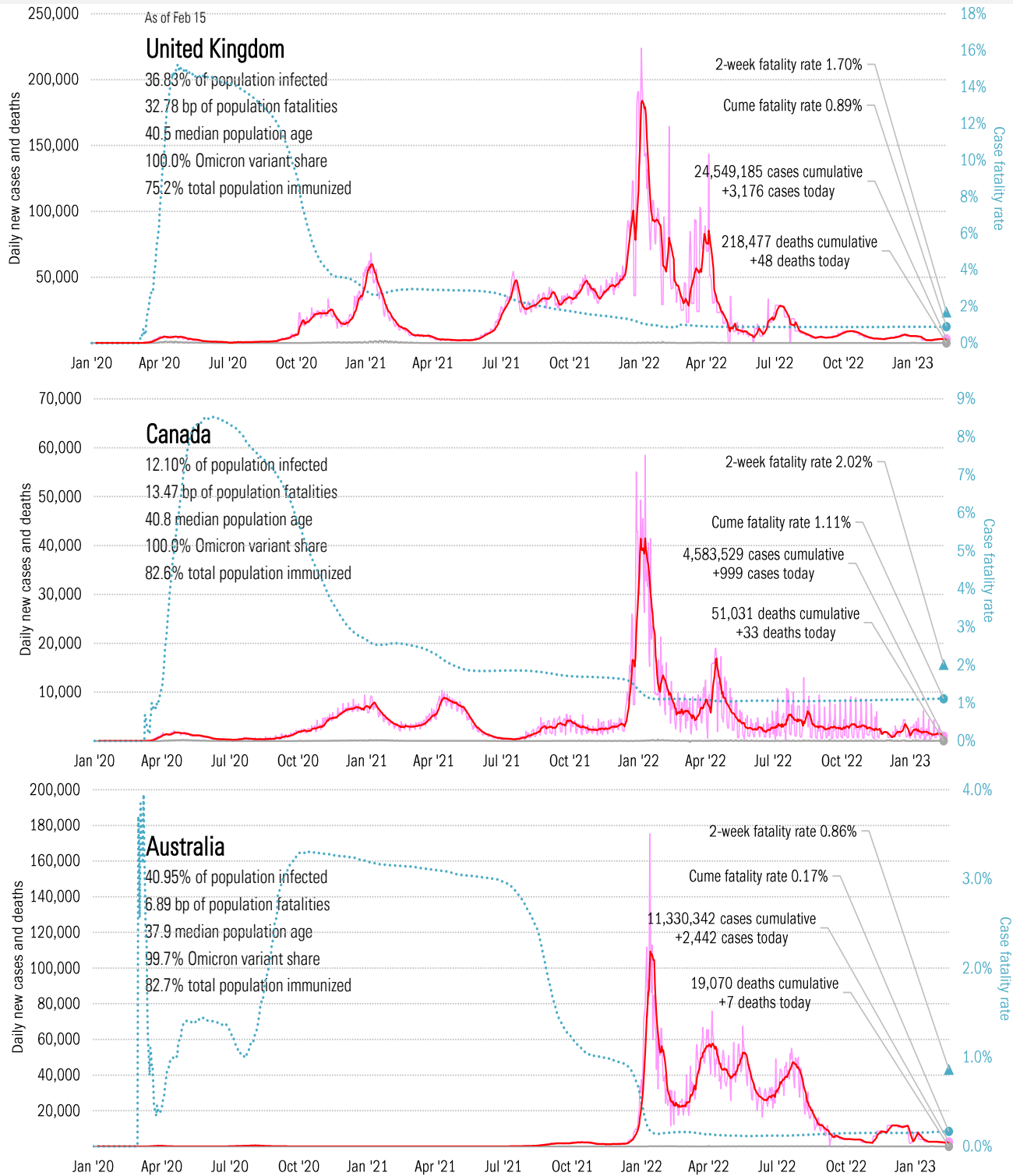
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

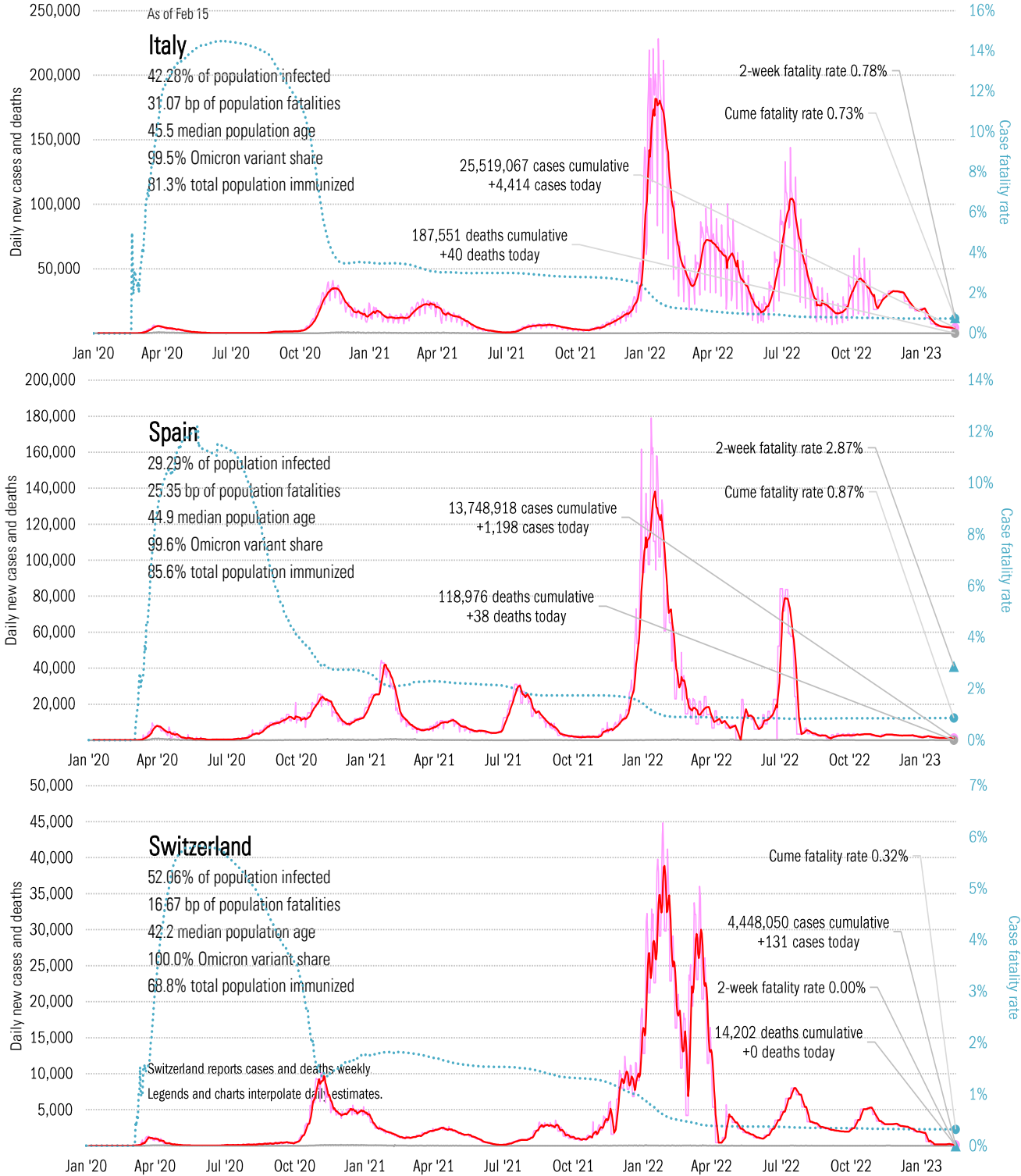
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

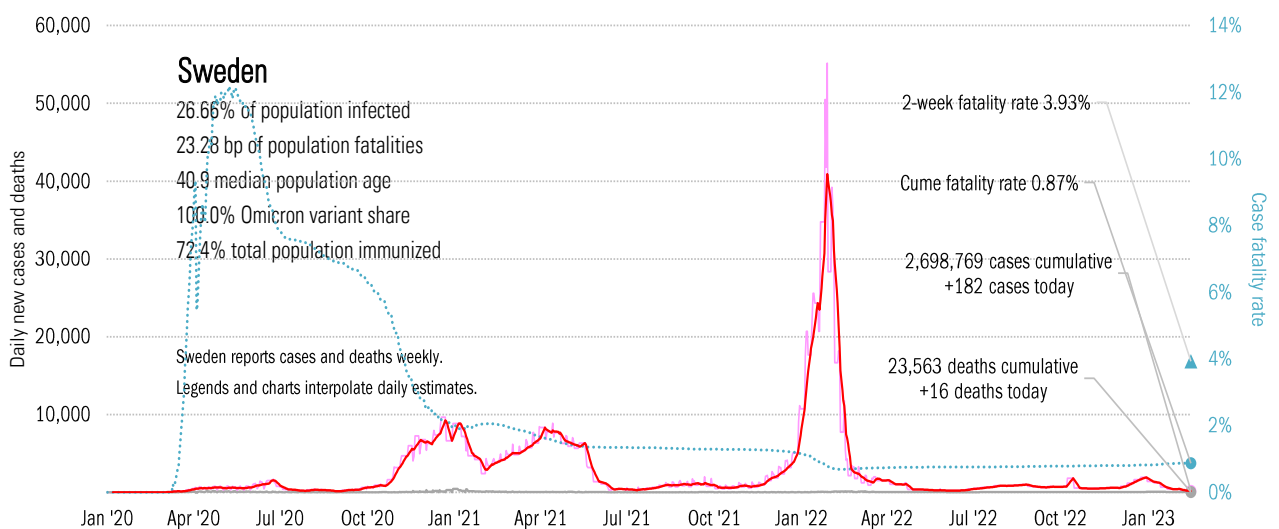
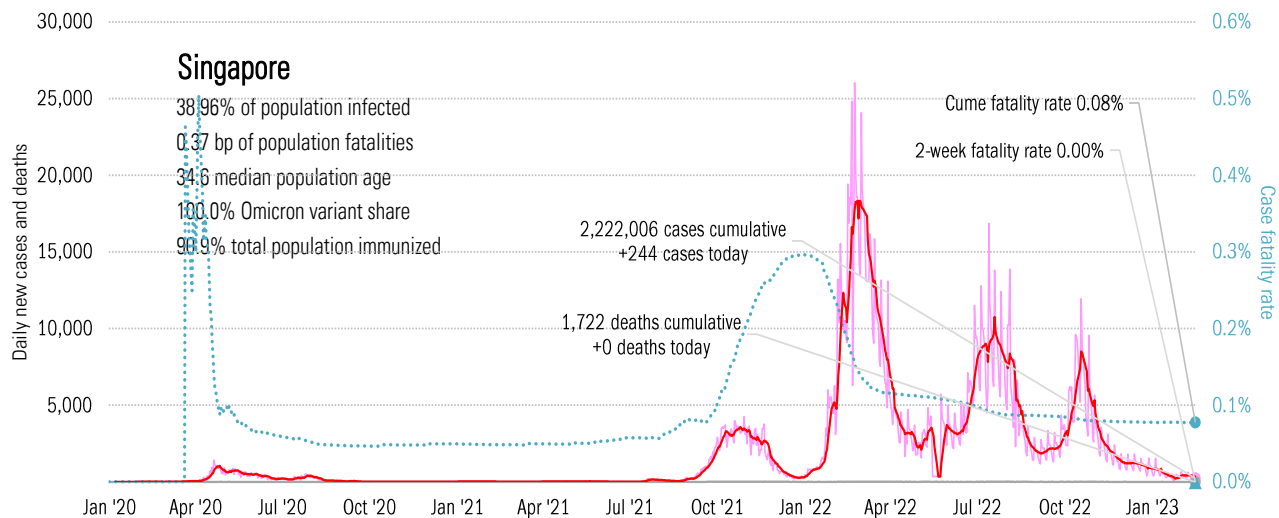
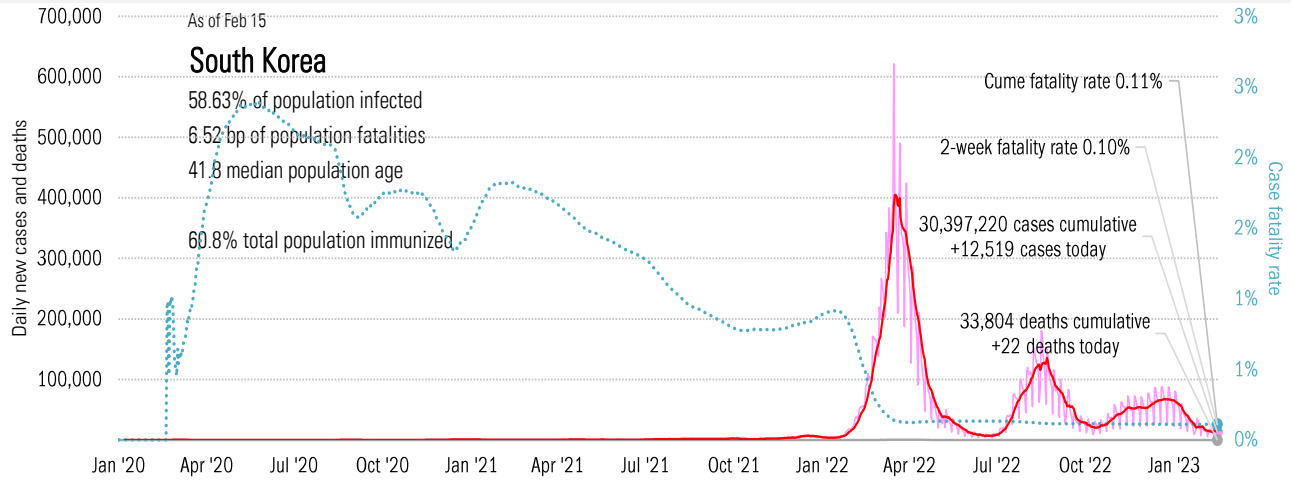
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

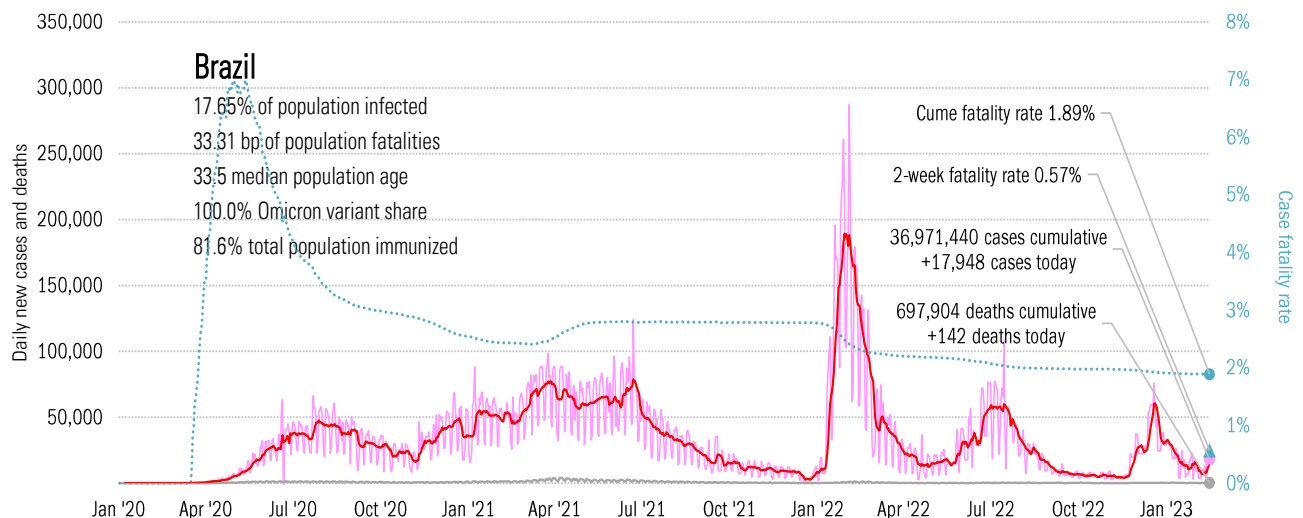
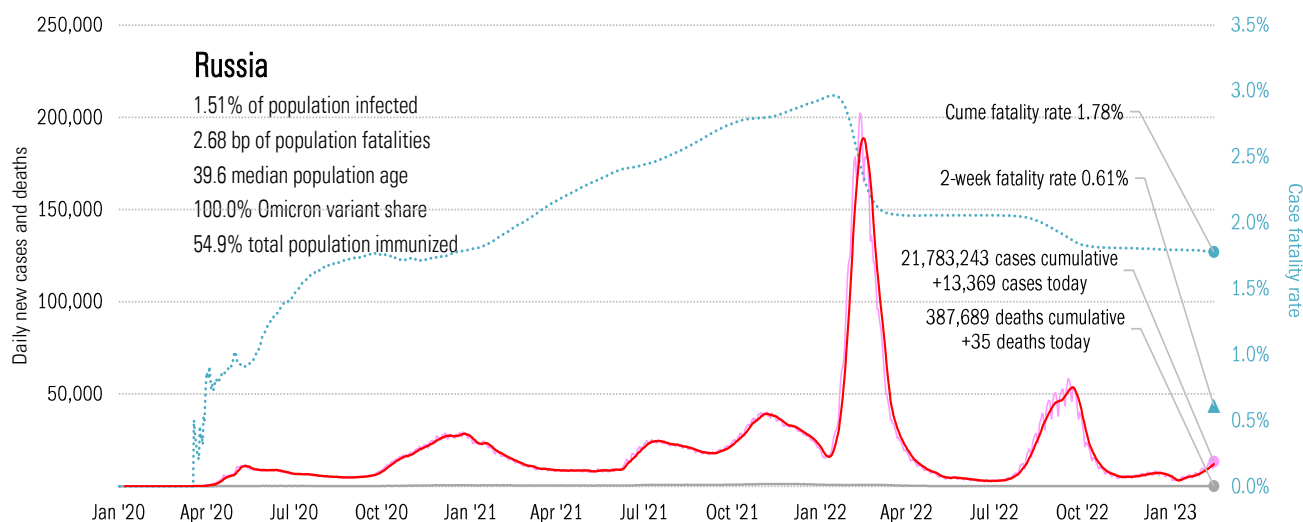
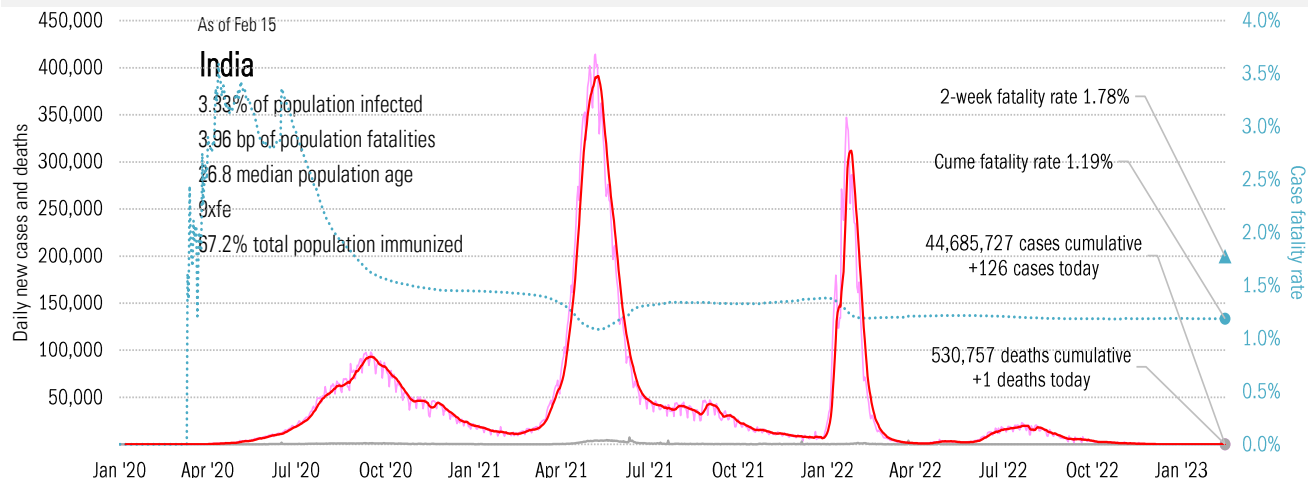
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

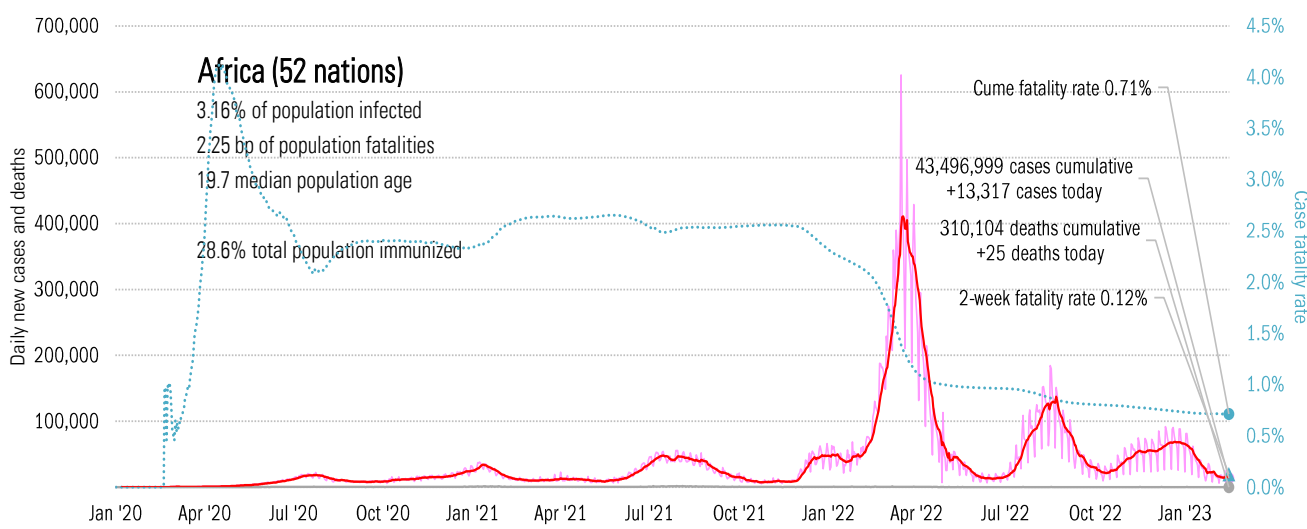
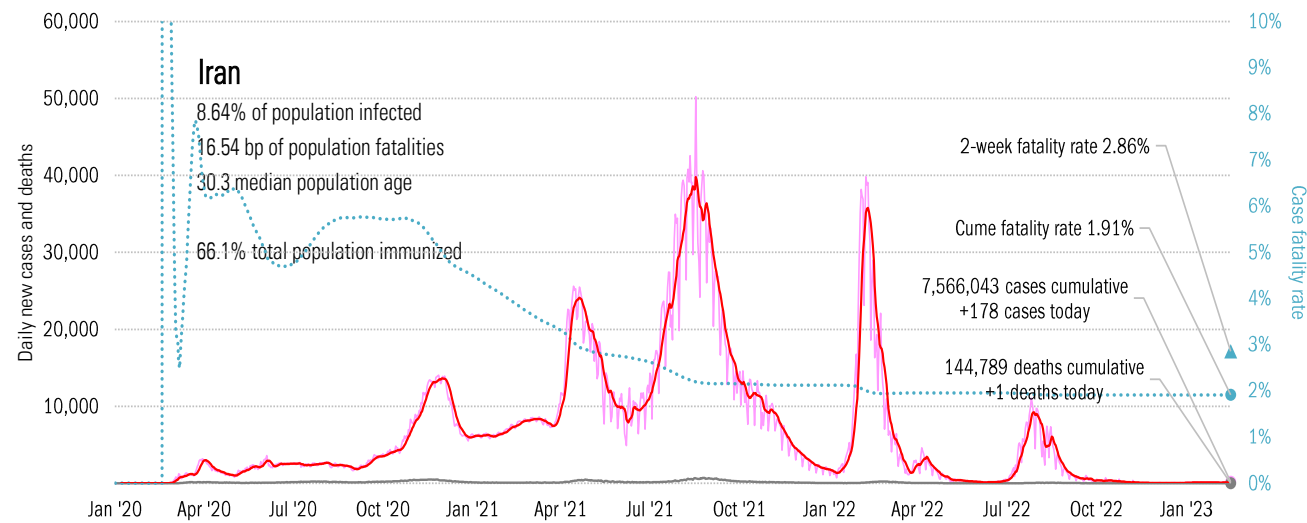
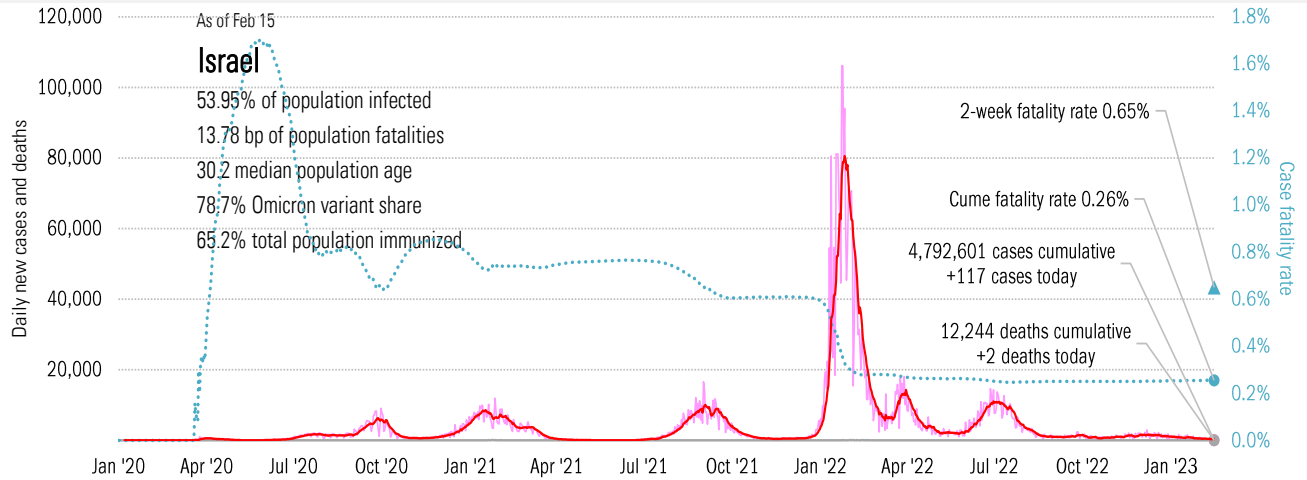
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

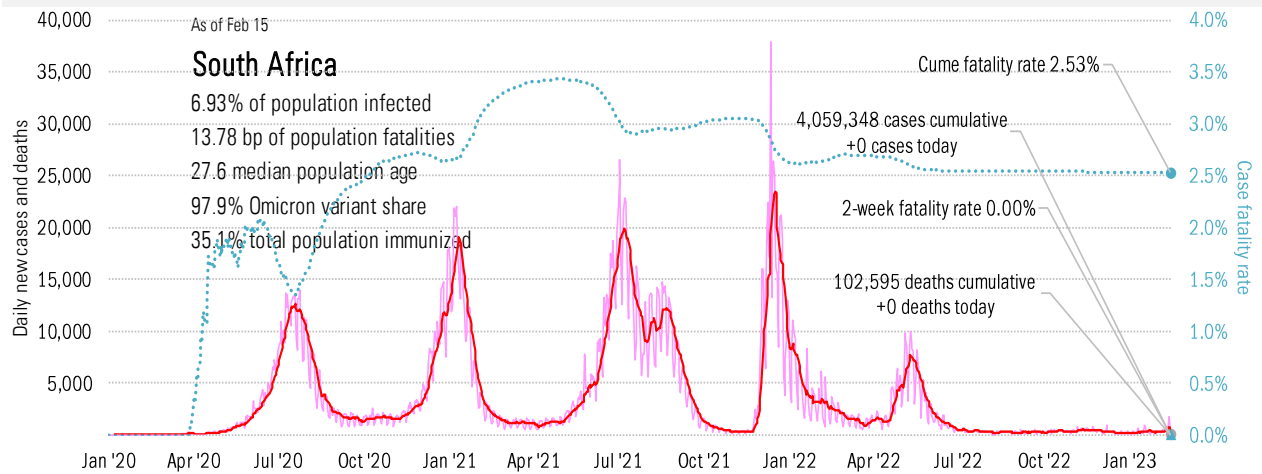
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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