

Data Insights: Covid-2019 Monitor

Monday, January 16, 2023

The global scorecard

Cases: 7-day average and daily Deaths: Daily

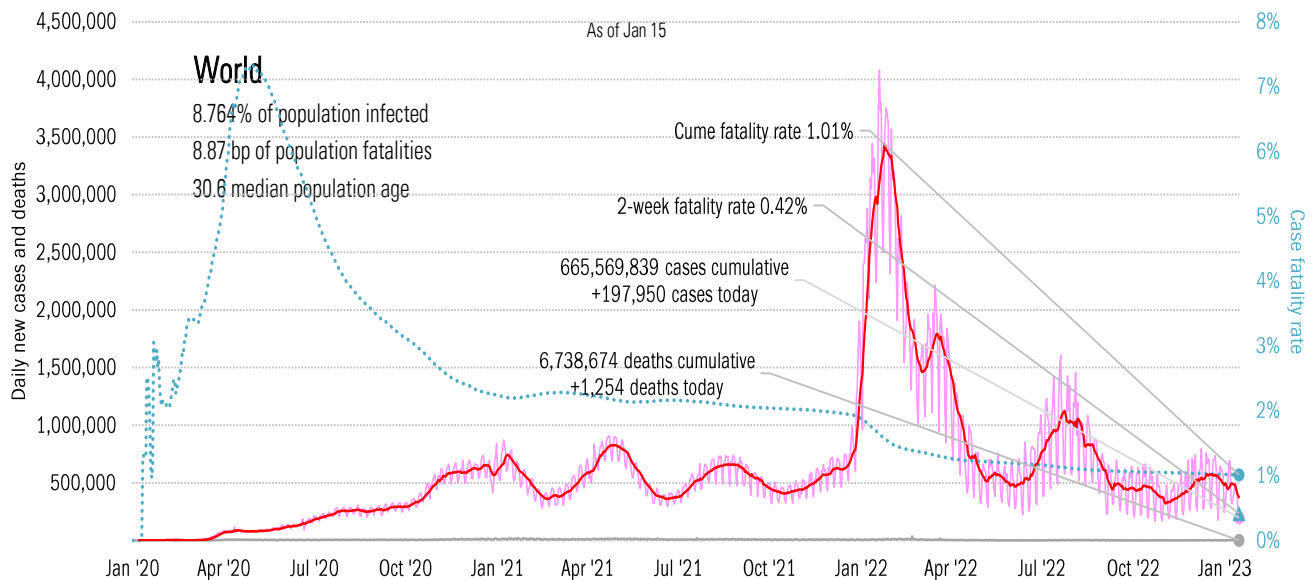
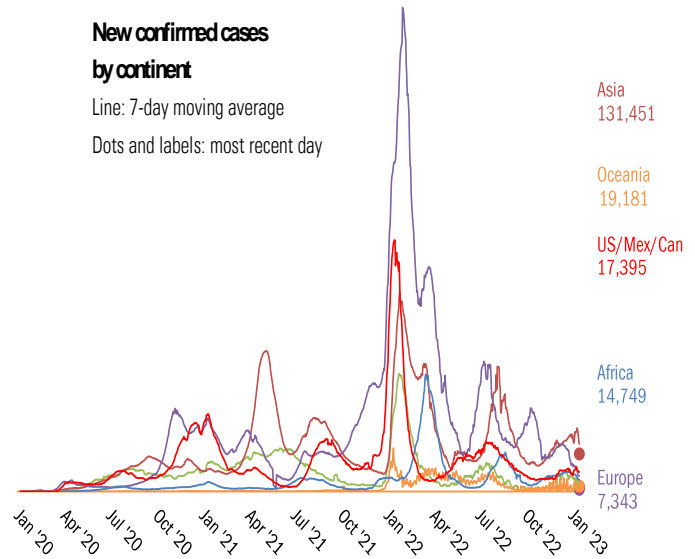
The worst ten countries

New cases		New Deaths	
Japan	108,281	United States	525
United States	54,498	Japan	415
Taiwan*	21,267	Germany	150
New Zealand	19,181	United Kingdom	130
Korea, South	14,144	France	101
Italy	12,009	Mexico	85
Germany	10,609	Italy	82
China	7,181	Sweden	72
Australia	6,714	New Zealand	44
France	6,238	Spain	43
260,122		1,648	

New confirmed cases by continent

Line: 7-day moving average

Dots and labels: most recent day



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

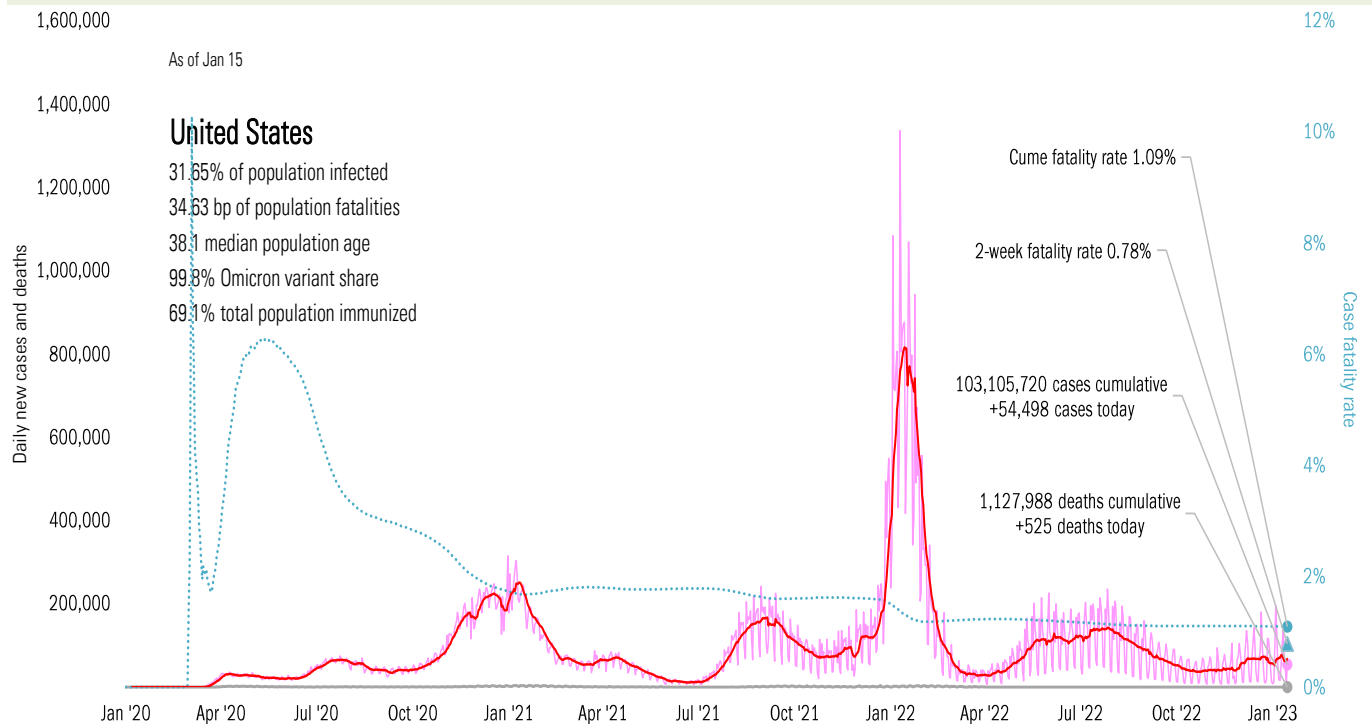
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use			
FL	7,887		NY	52		NY	433		CA	11,929,677		CA	99,319		TX	576,468		MA	88%		RI	90%	
CA	6,477		IL	45		TX	505		TX	8,302,540		TX	92,097		CA	551,398		RI	88%		TX	89%	
NC	3,232		PA	33		VA	176		FL	7,393,712		FL	84,176		FL	520,528		DE	87%		NM	89%	
NJ	3,169		NC	30		CT	119		NY	6,649,934		NY	75,751		NY	342,739		WA	85%		WA	87%	
KY	3,042		AZ	27		AL	92		IL	3,981,275		PA	49,263		CH	238,960		MO	85%		AL	87%	
VA	2,561		TX	27		WI	92		PA	3,447,091		GA	41,648		GA	237,277		MD	85%		NC	86%	
PA	1,973		MI	24		NC	191		NC	3,382,420		CH	41,139		PA	223,702		MN	84%		MA	86%	
SC	1,881		MA	23		MD	99		CH	3,331,651		MI	41,001		IL	207,418		NC	84%		MS	83%	
GA	1,836		FL	23		AR	56		GA	3,011,842		IL	40,747		MI	177,188		NH	84%		NV	83%	
TX	1,716		SC	22		MI	120		MI	3,008,317		NJ	35,670		NJ	156,788		CT	83%		LA	83%	
33,774			306			1,883			54,438,459			600,811			3,232,466								
All states	54,498		525		5,071		All states	103,105,720		1,127,988		5,863,296		All states	70%		67%						
Top ten	62%		58%		37%		Top ten	54%		55%		55%		Median	78%		79%						

Some states not reporting

Five most improved US states

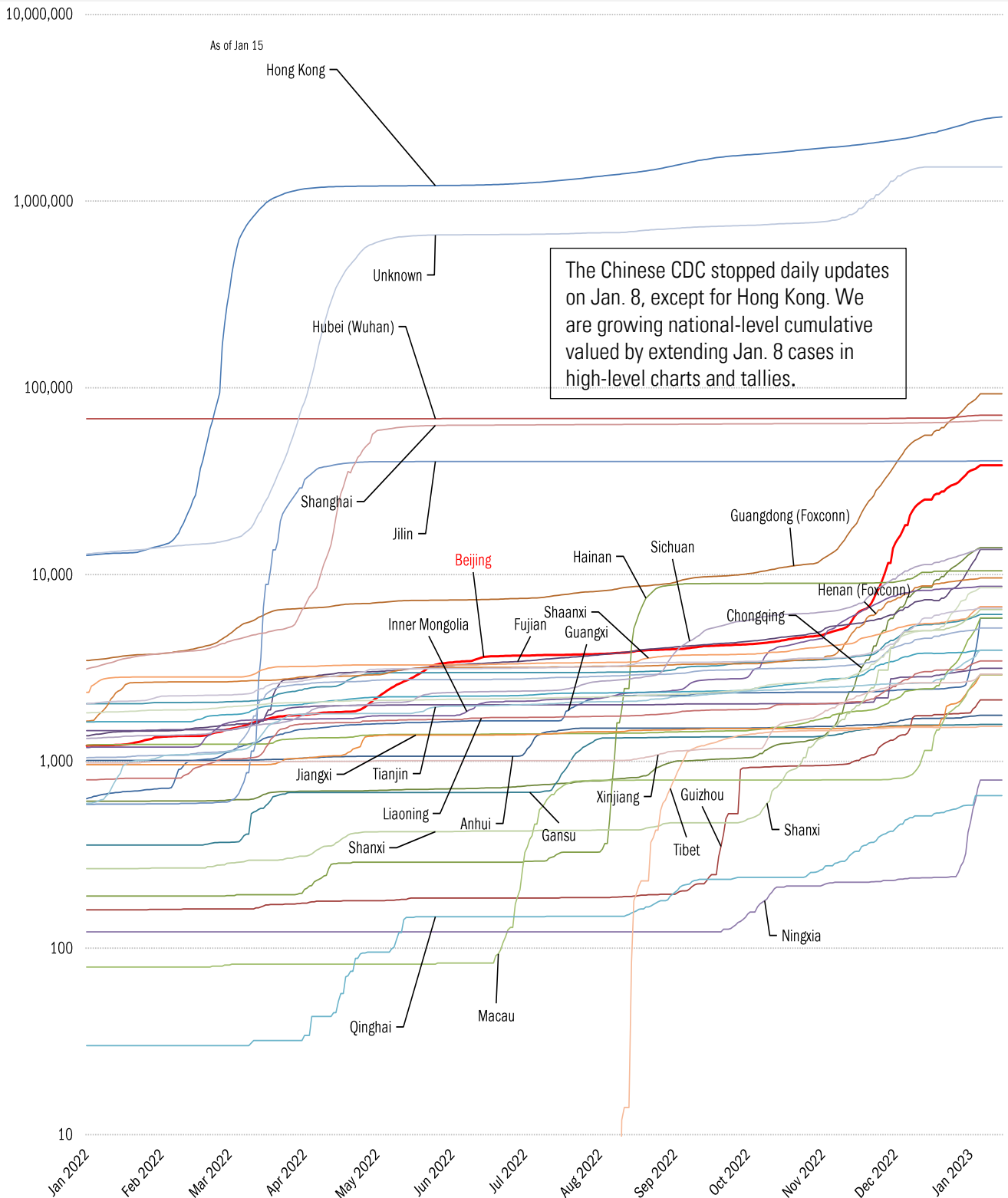
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-398	AR	-9	MN	-29
AR	-195	CA	-8	IA	-21
AK	0	CT	-1	WA	-20
AL	0	AK	0	CR	-18
AZ	0	AL	0	DE	-17



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

China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

Cumulative reported cases this year, log scale: flat line indicates "zero Covid"

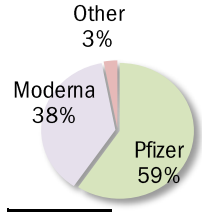


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	683,142,150		+0.210 million		US	69.1%	80.9%
			Of which boosters: +0.197 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	New immune today	France	78.4%
Total population	276,962,615	83%	236,176,717	71%	+0.016 million	Spain	85.5%
Age 12 to 17	18,423,808	73%	15,775,755	62%	+0.001 million	Germany	76.2%
Age 18 to 64	184,183,382	91%	156,609,051	77%	+0.009 million	Italy	81.3%
Age 65 and over	60,964,171	100%	53,416,192	97%	+0.001 million	Australia	82.7%
						Israel	65.2%
						Canada	82.6%
						Japan	83.2%
						Africa	27.6%
						India	67.1%
						Brazil	81.4%
						China	89.4%



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

AK
72.8%
65.0%

WI
75.0%
68.0%

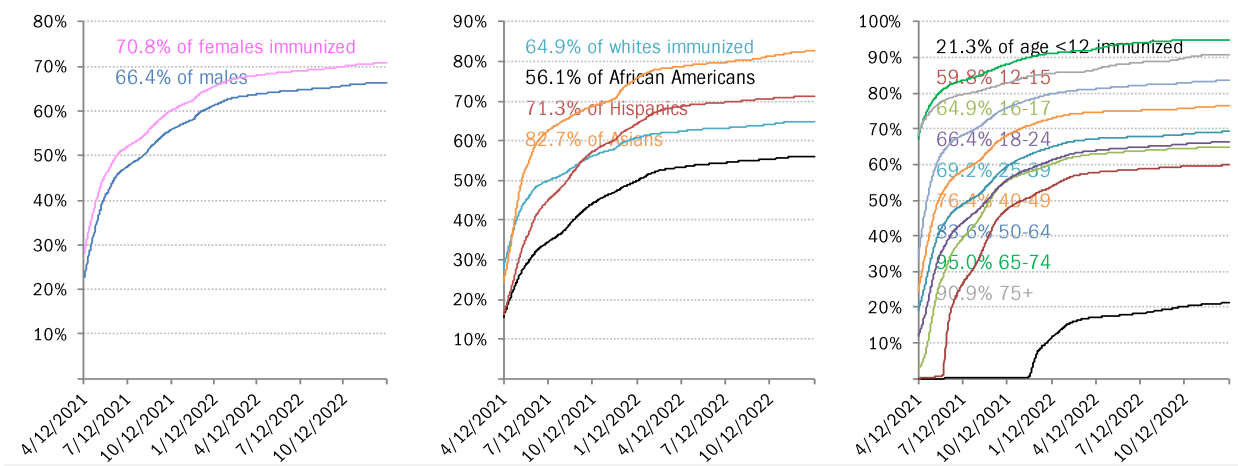
As of Jan 13

ME
95.0%
83.1%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
85.0%	63.8%	68.1%	69.2%	78.6%	79.0%	69.3%	94.2%	95.0%	87.5%	
75.8%	56.3%	59.0%	58.5%	72.0%	71.1%	62.2%	80.6%	85.4%	71.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.4%	77.4%	60.8%	83.5%	70.5%	64.2%	65.6%	90.3%	94.4%	95.0%	
72.2%	63.6%	53.0%	66.0%	64.2%	57.6%	60.3%	73.1%	78.9%	84.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.4%	75.0%	83.4%	73.2%	69.2%	68.7%	67.4%	90.7%	91.5%	95.0%	95.0%
74.5%	66.5%	73.3%	66.1%	58.9%	59.5%	59.6%	76.4%	79.5%	82.9%	87.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	77.2%	94.1%	76.0%	69.7%	64.3%	91.8%	70.8%	95.0%	88.0%	
	65.9%	75.0%	65.1%	56.8%	56.2%	66.9%	59.8%	89.9%	73.1%	
			OK	LA	MS	AL	GA			
			74.4%	62.7%	61.5%	64.9%	68.2%			
			60.3%	54.9%	53.6%	53.1%	57.1%			
			TX					FL		PR
			76.2%					82.3%		90.8%
			63.1%					69.3%		83.9%

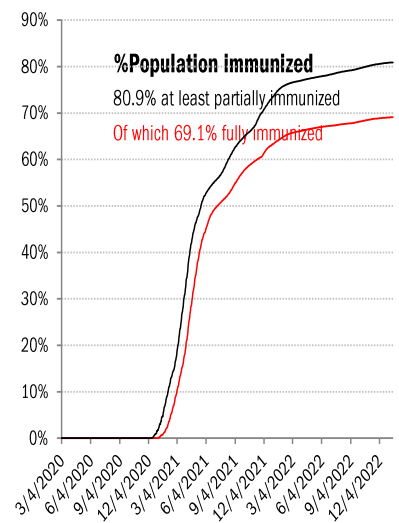
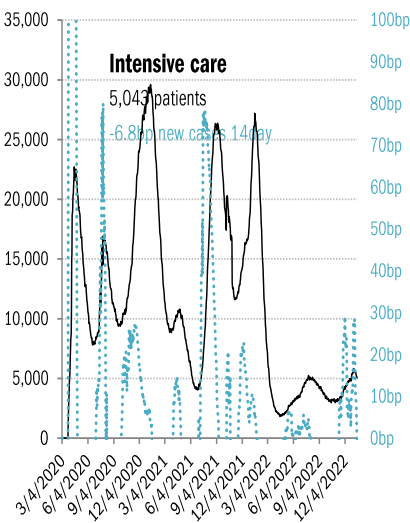
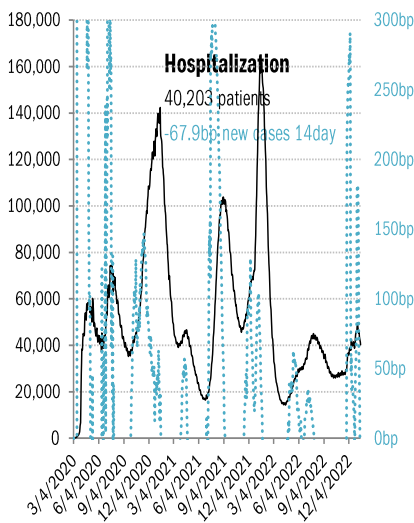
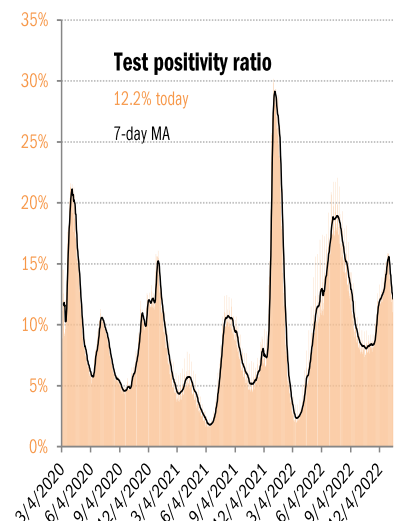
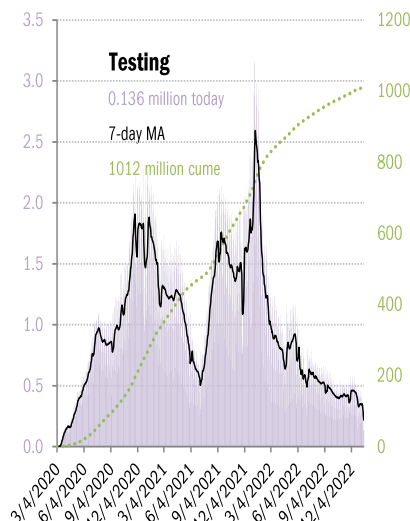
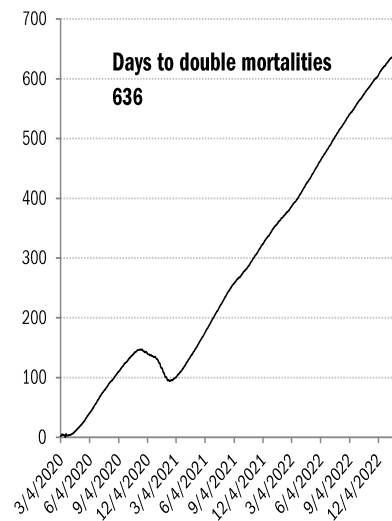
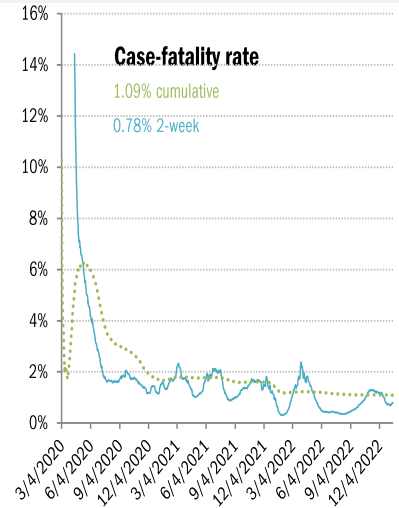
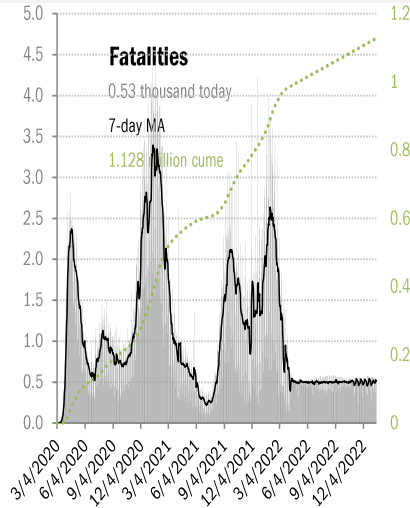
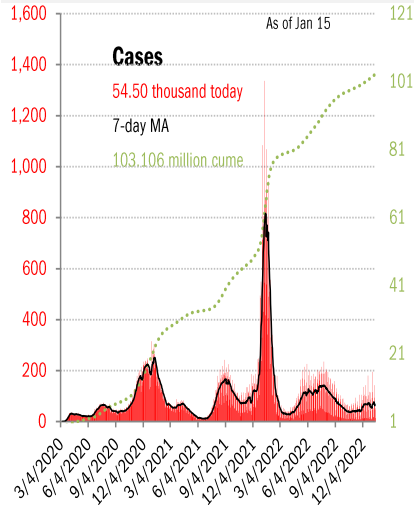
HI
91.2%
81.4%

The demographics of US vaccination

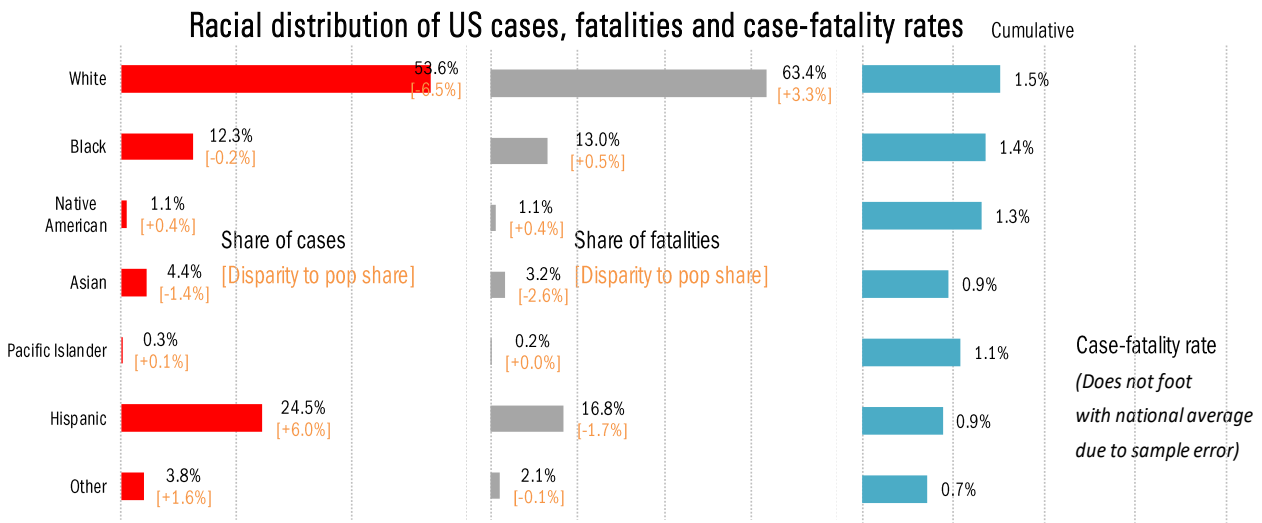
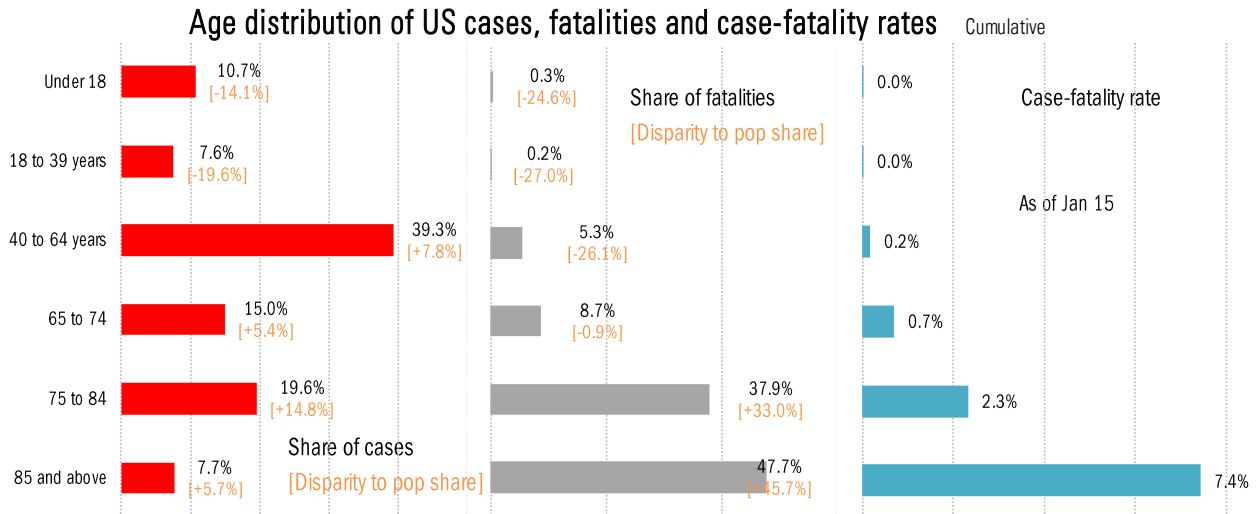


Source: CDC, CDC, Our World in Data, TrendMacro calculations

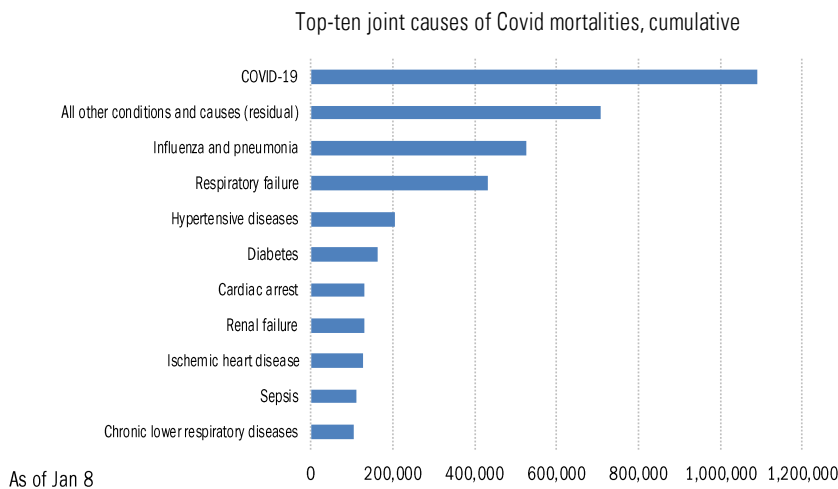
US deep-dive



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

[What we know about the Ohio measles outbreak](#)

Chia-Yi Hou

The Hill

January 15, 2023

Meme of the Day

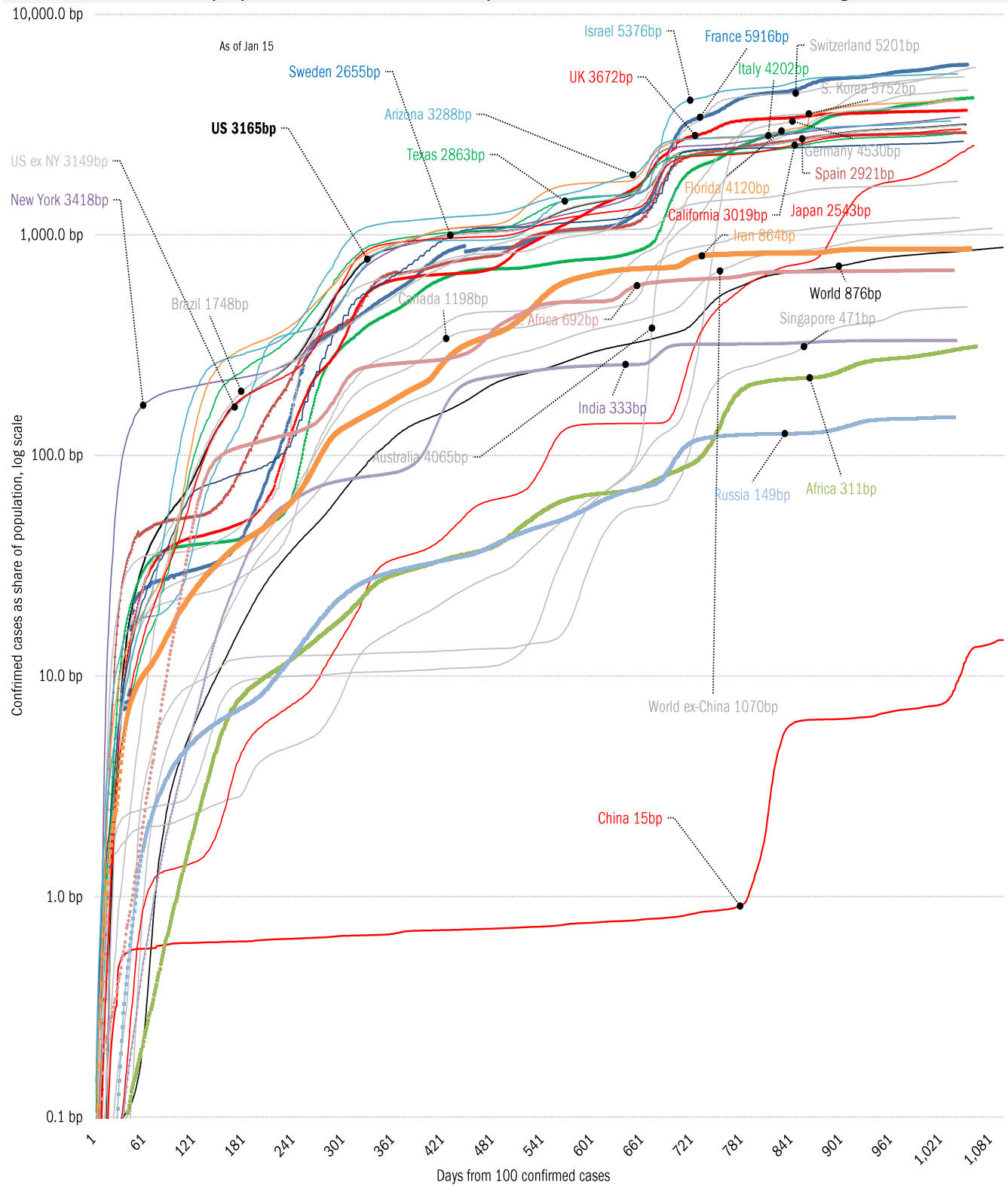
When someone attacks “The Science”



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

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

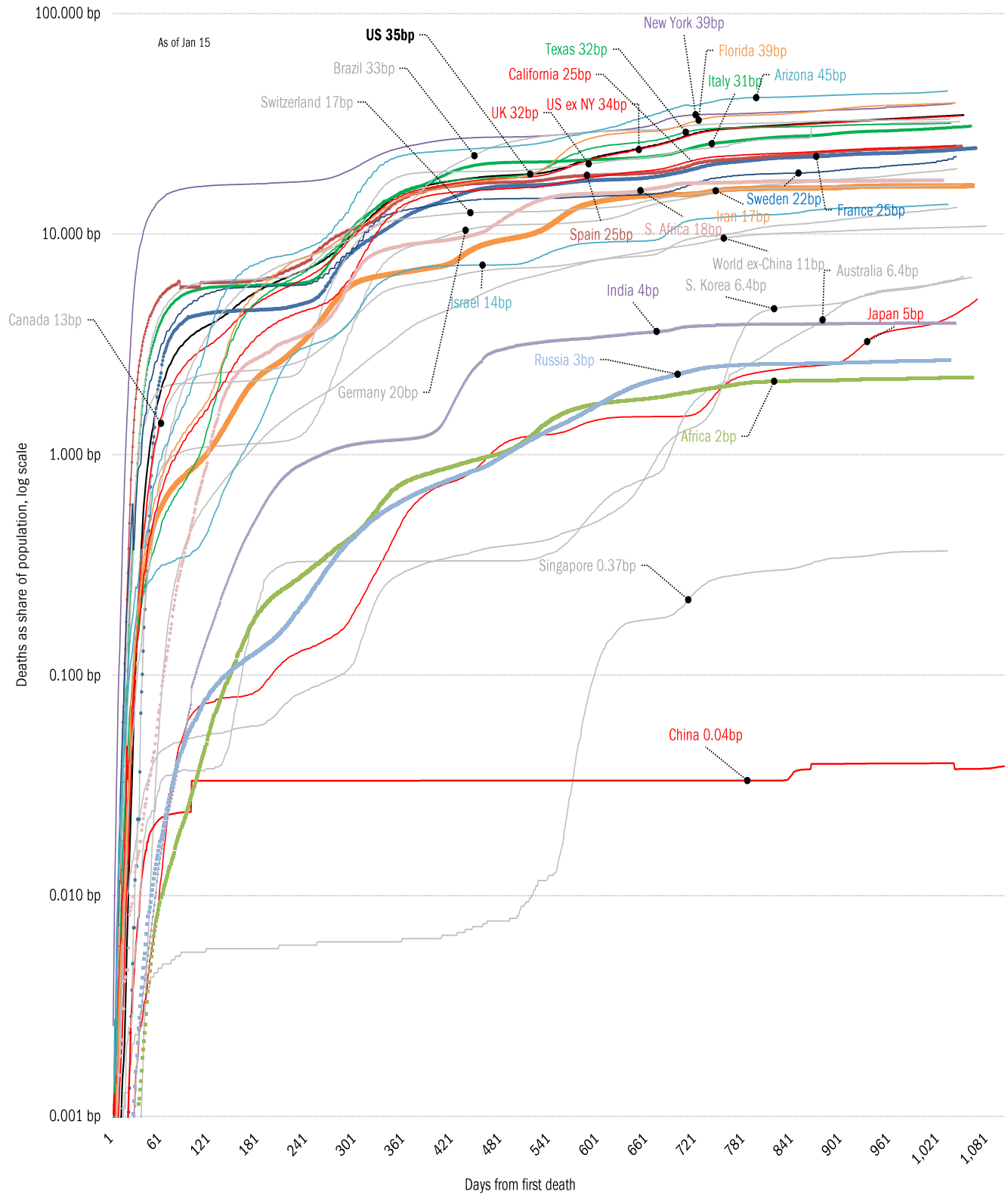
Share of infected population from first day with 100 confirmed cases, log scale



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

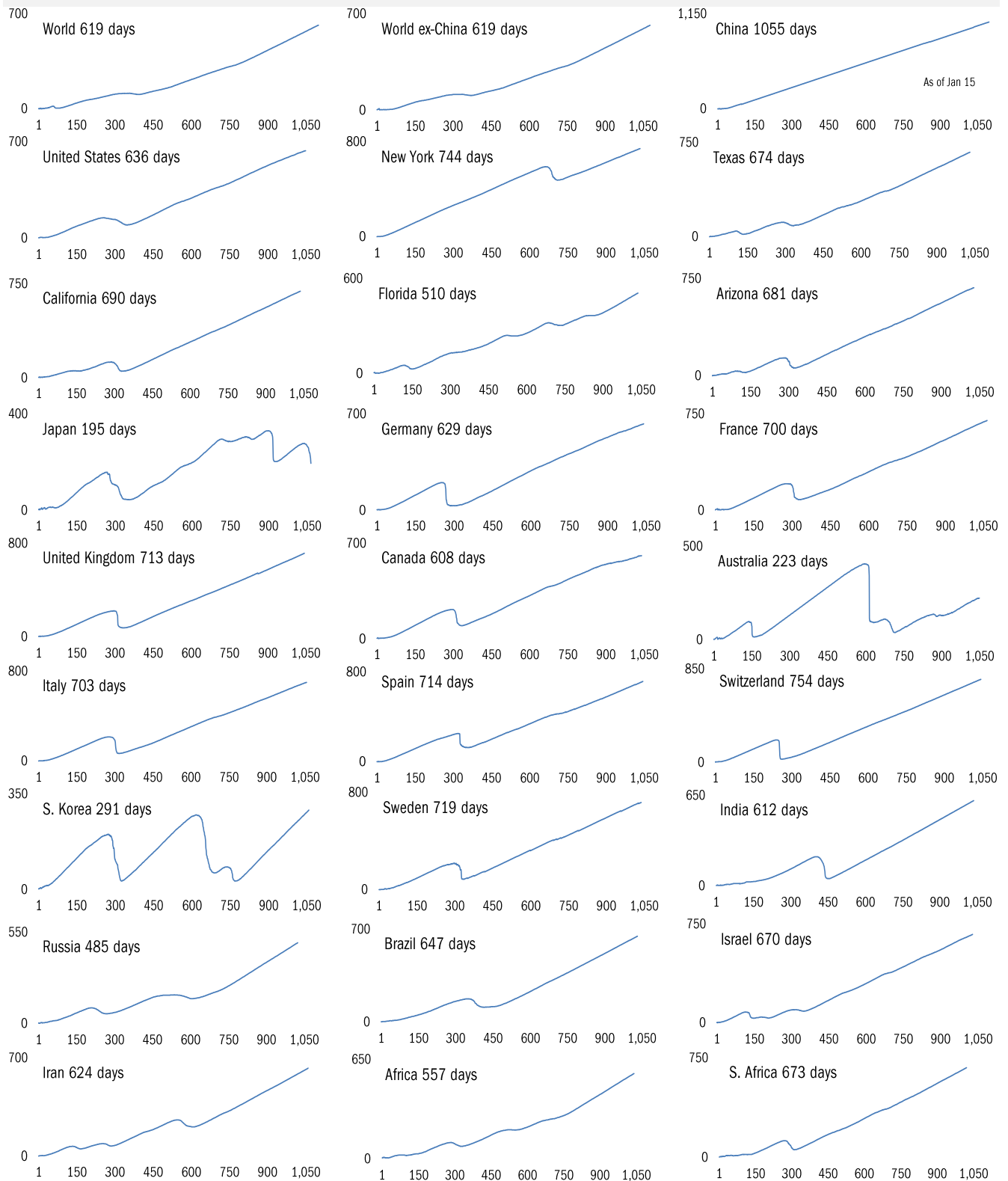


Source: [Johns Hopkins](#), TrendMacro calculations

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

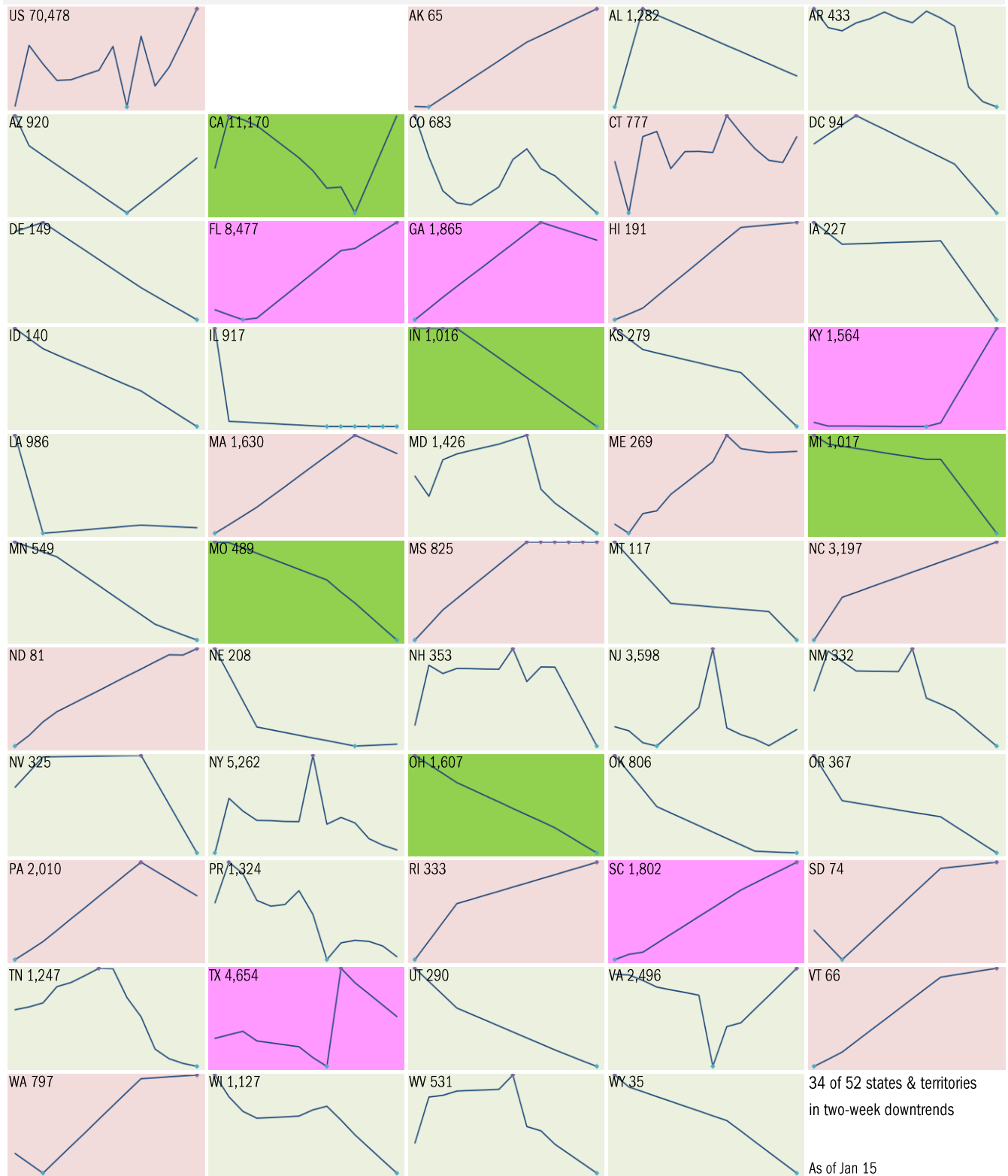


Source: [Johns Hopkins](#), TrendMacro calculations

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

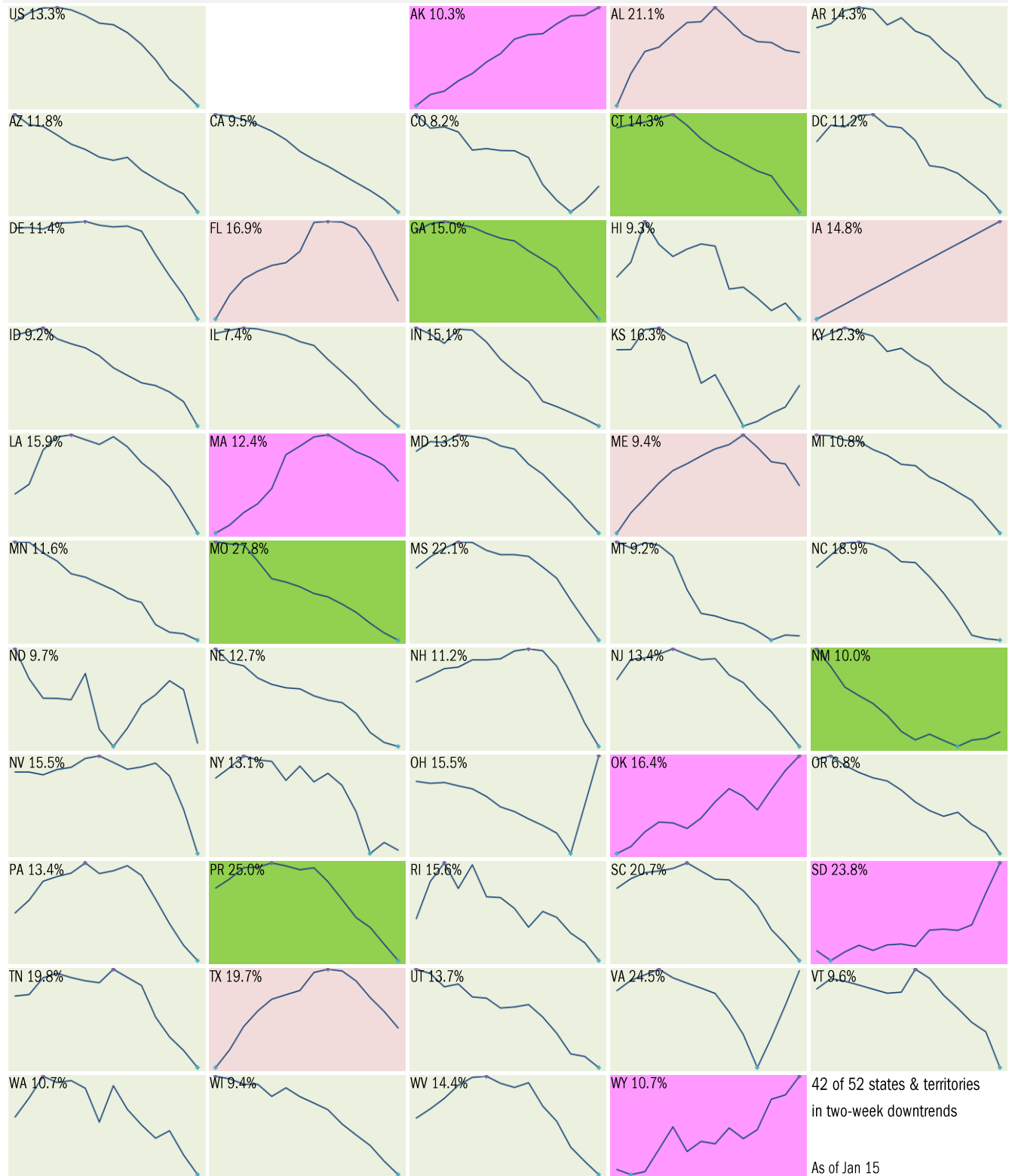


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

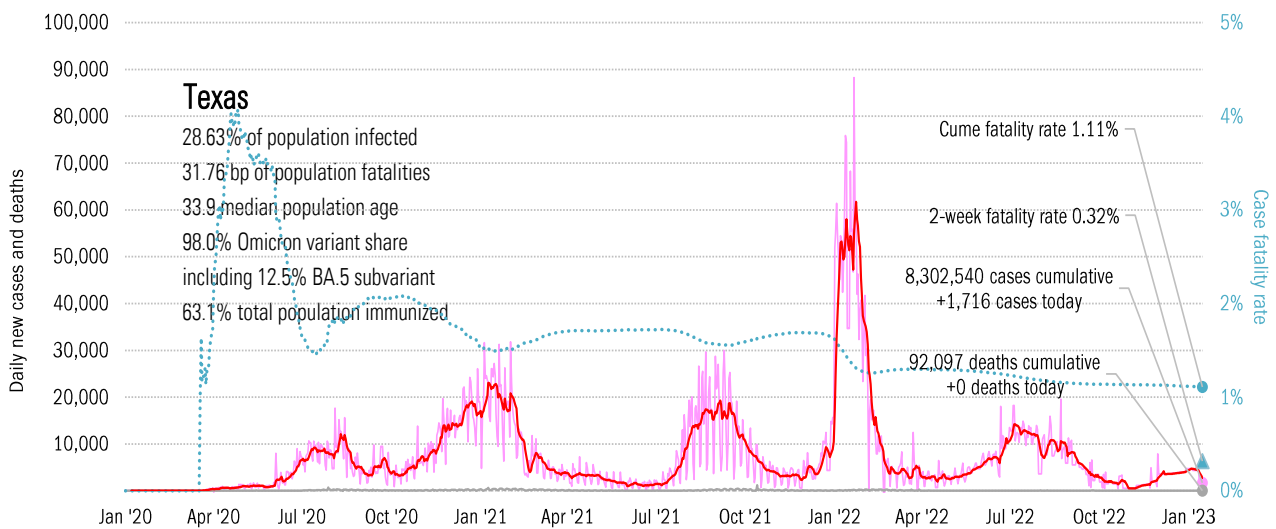
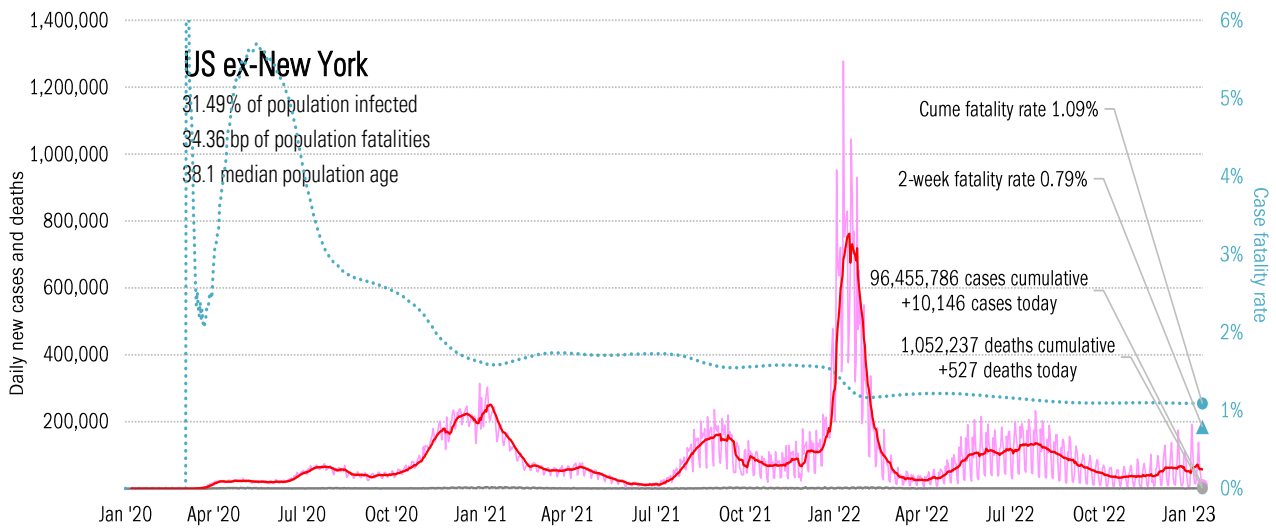
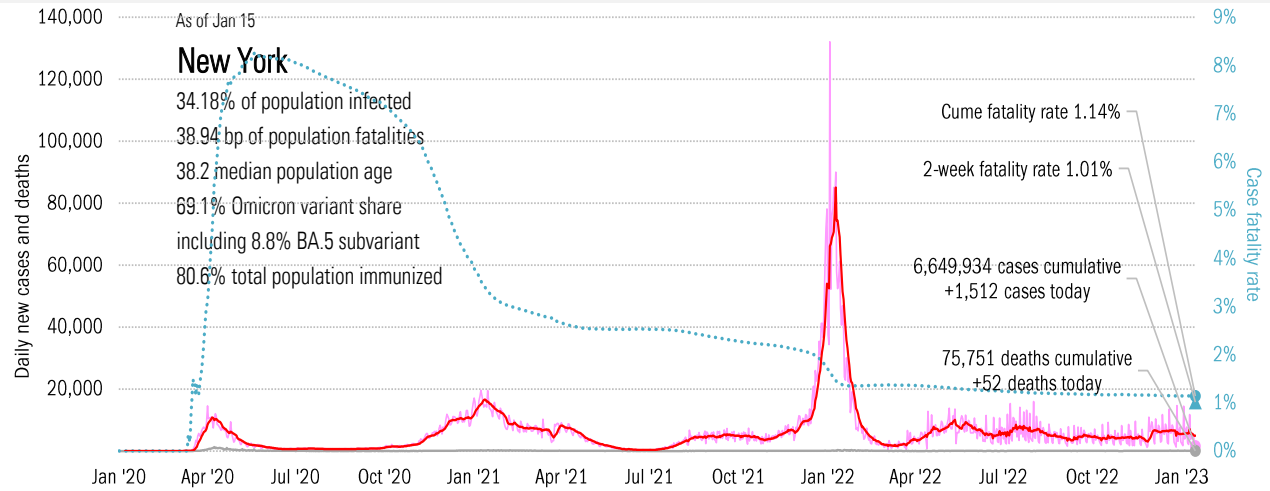
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

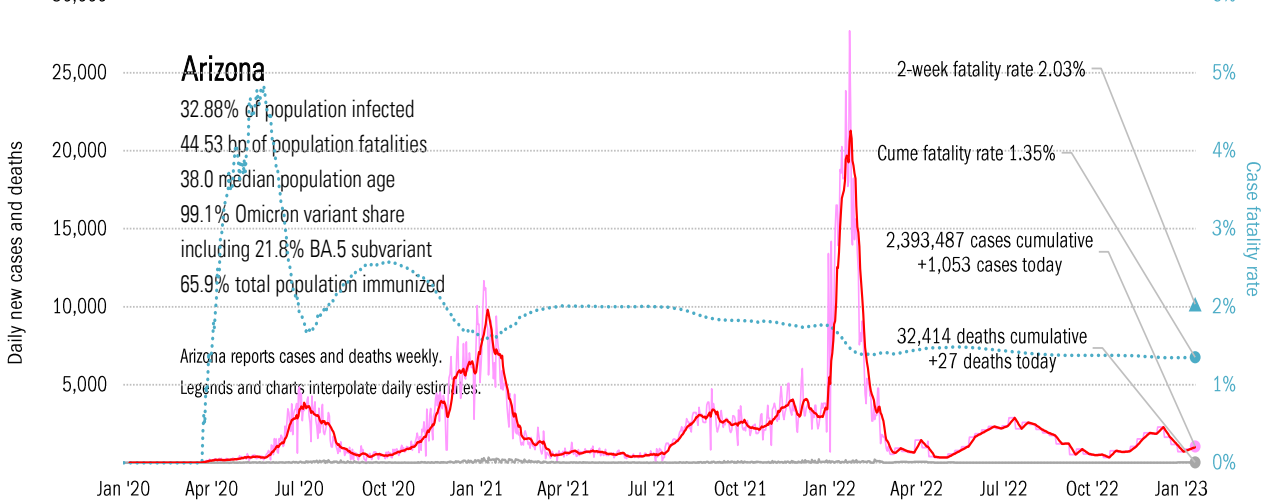
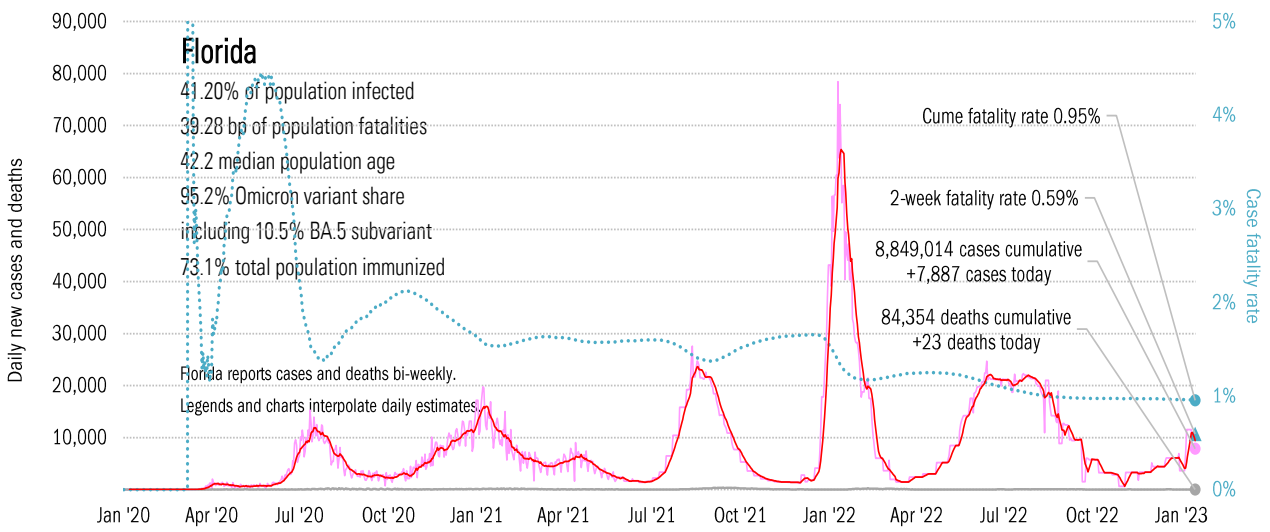
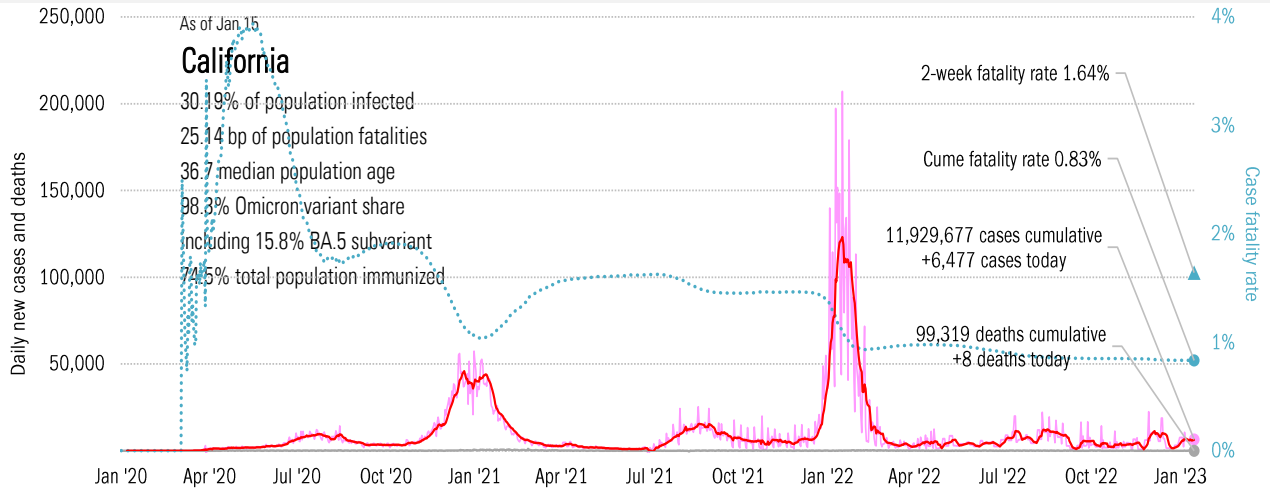
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

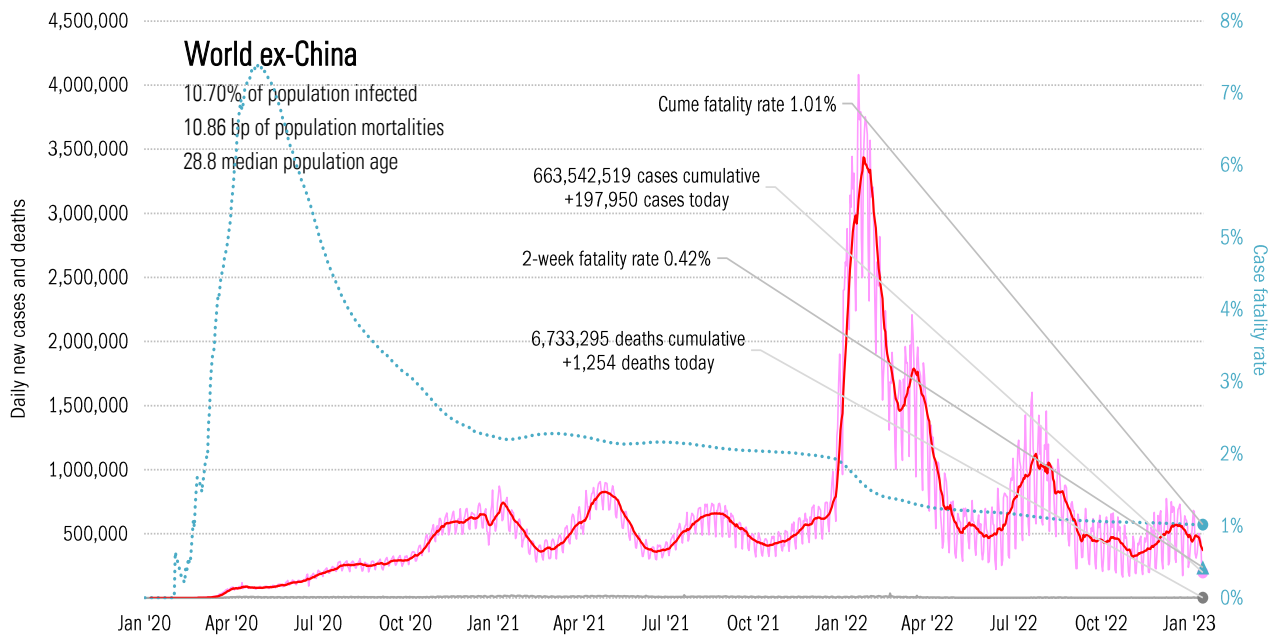
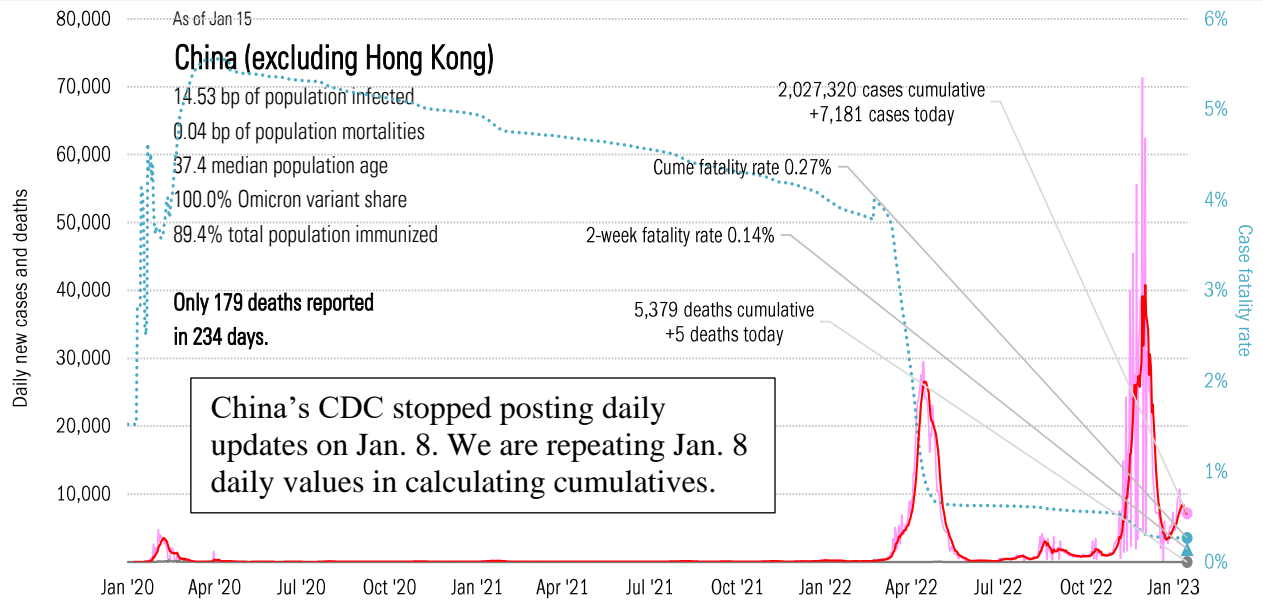
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

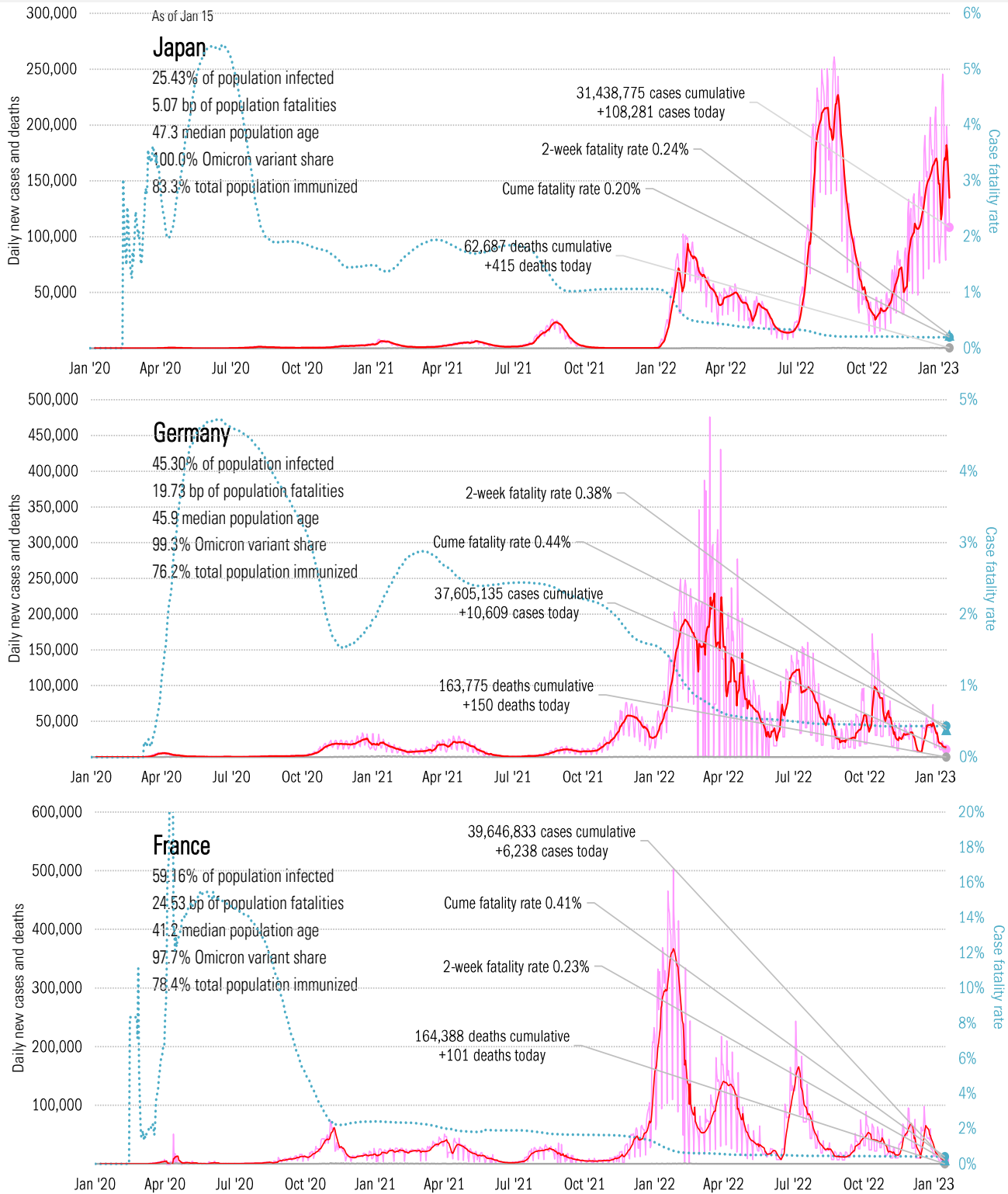
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

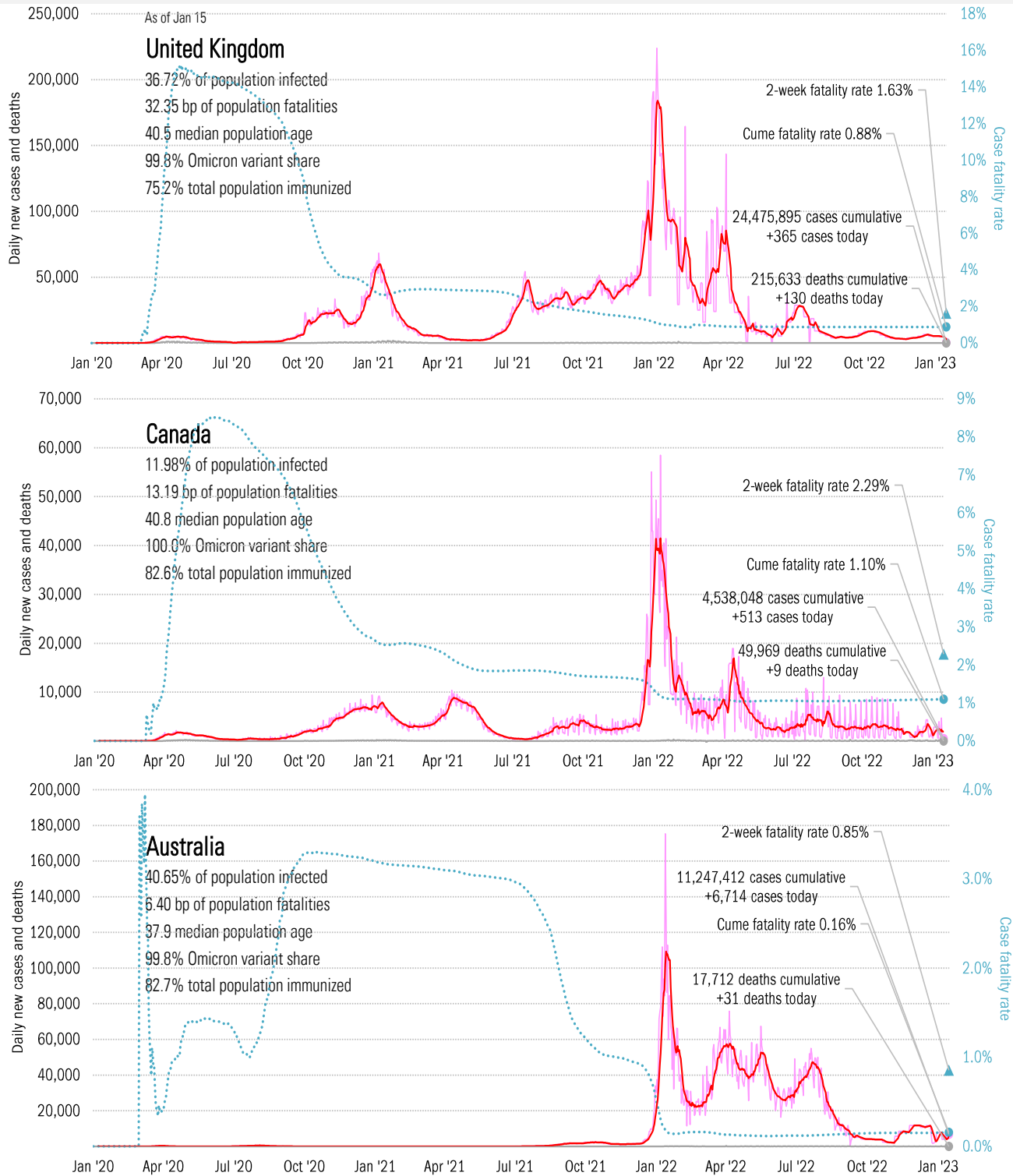
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

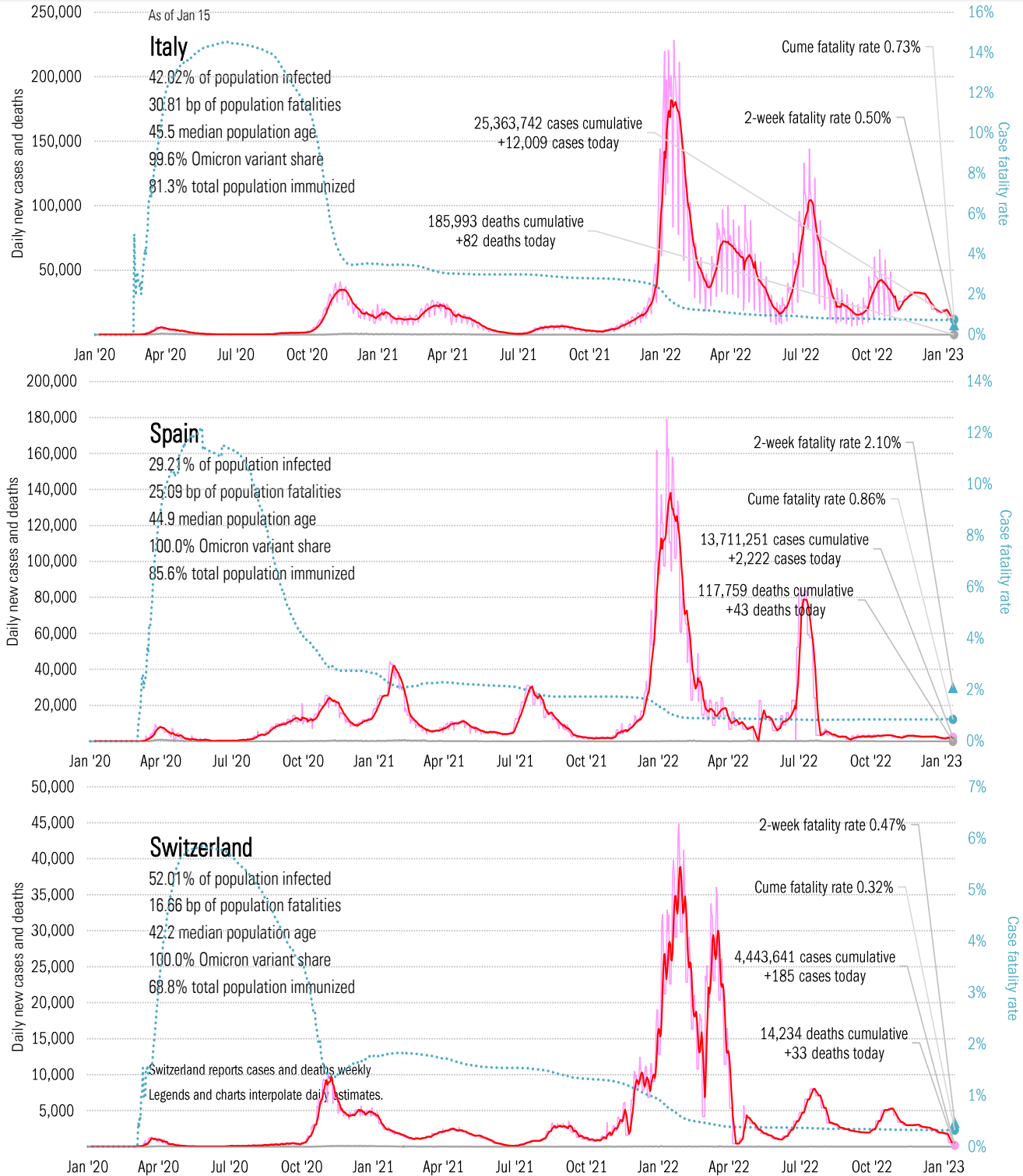
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

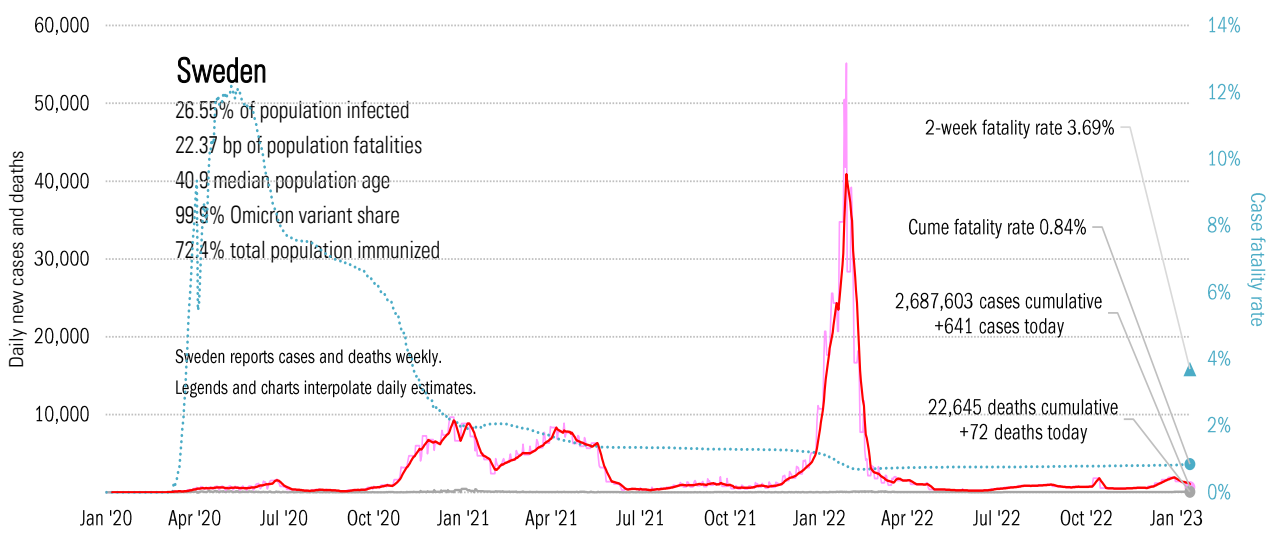
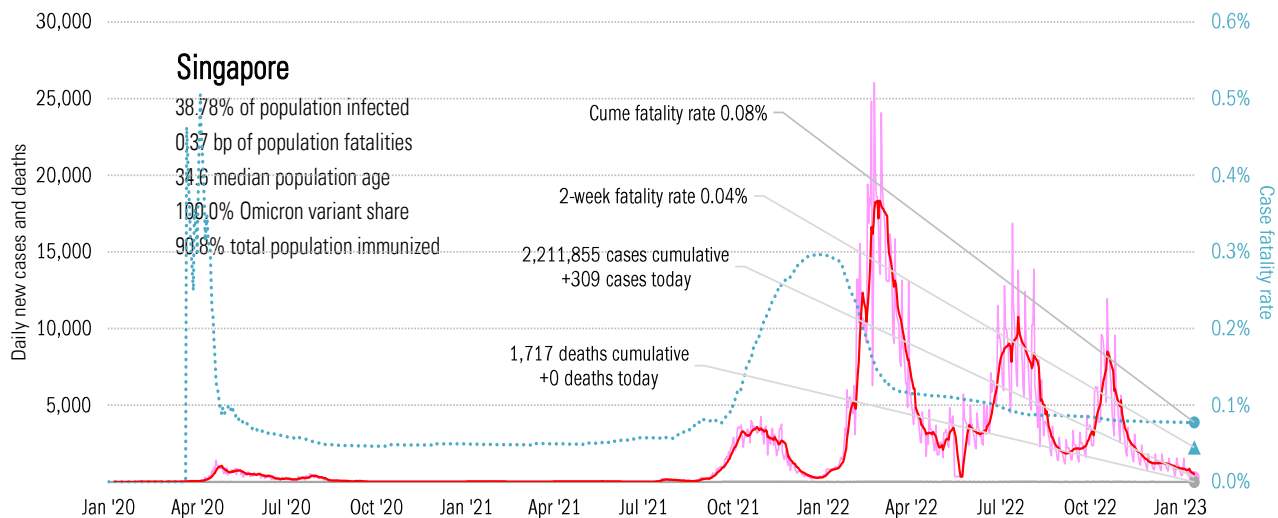
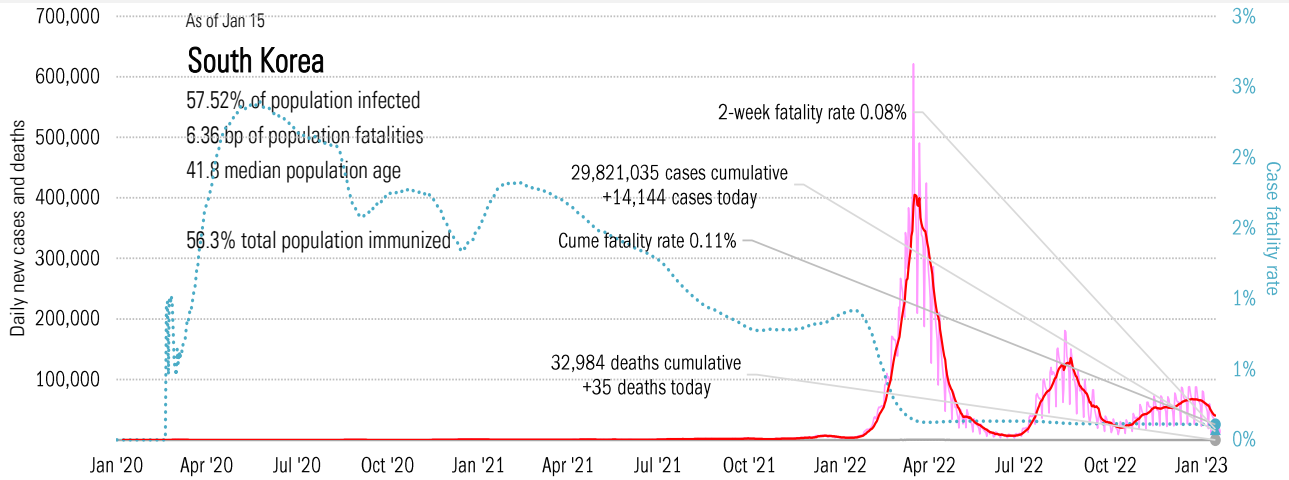
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

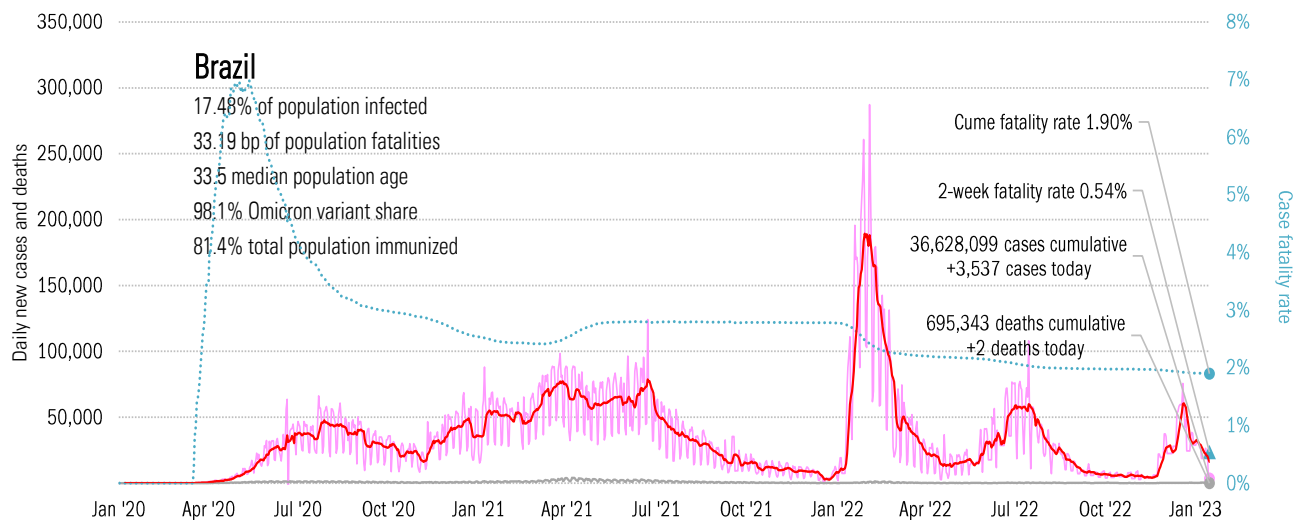
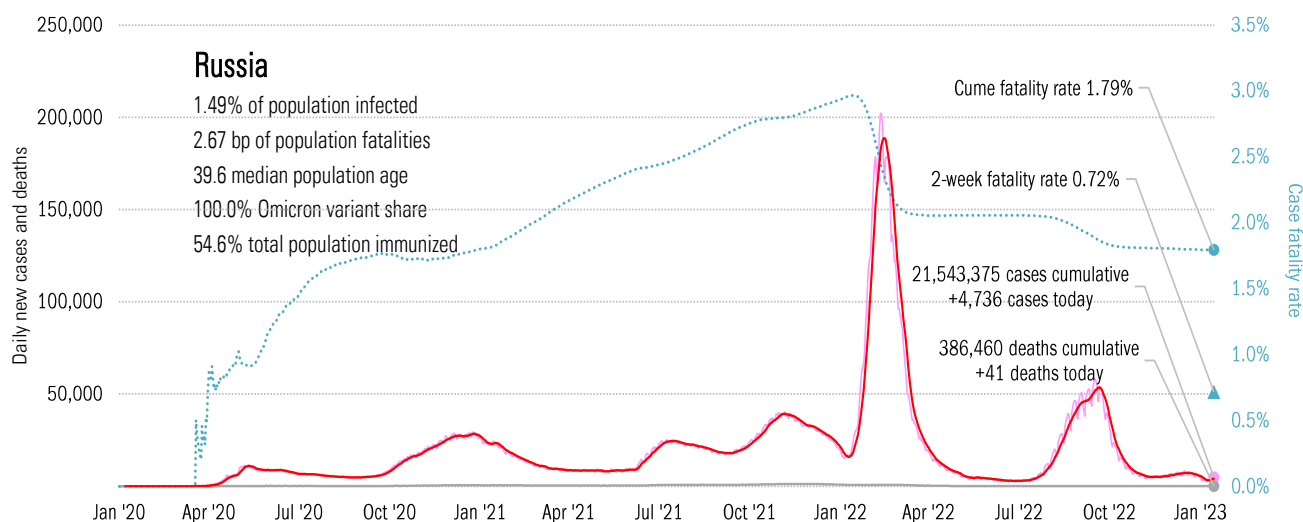
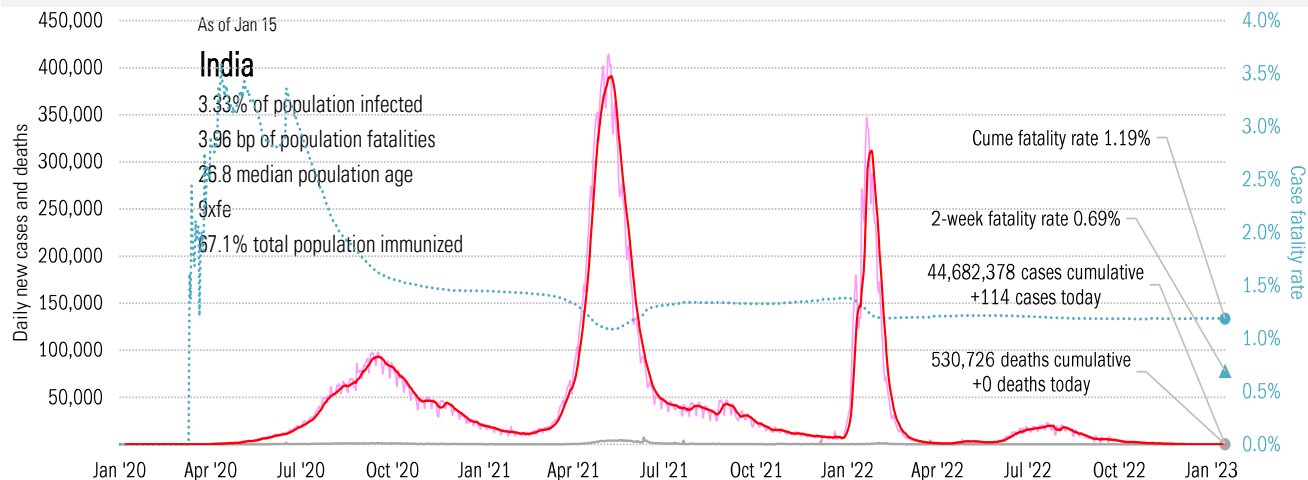
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

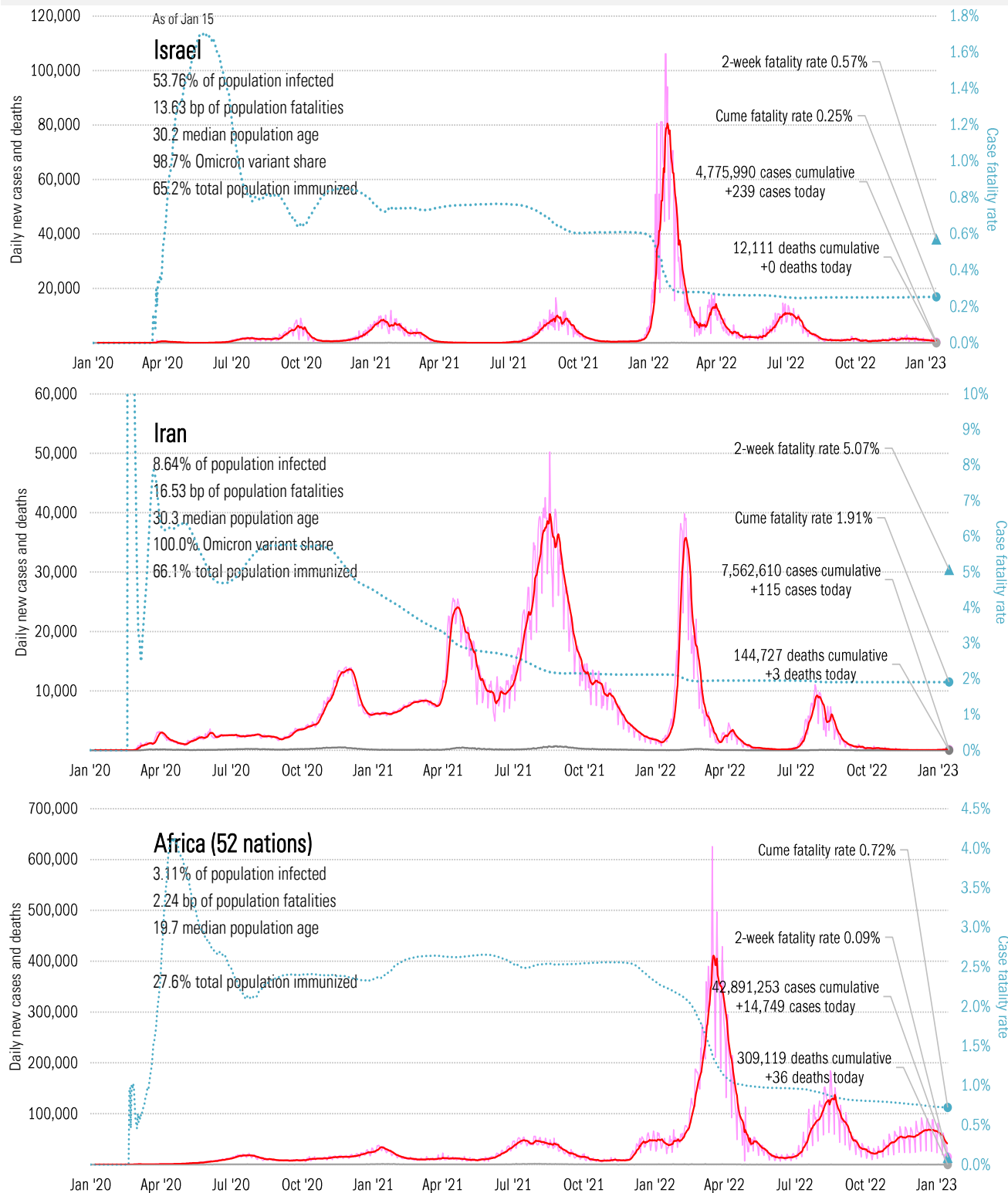
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

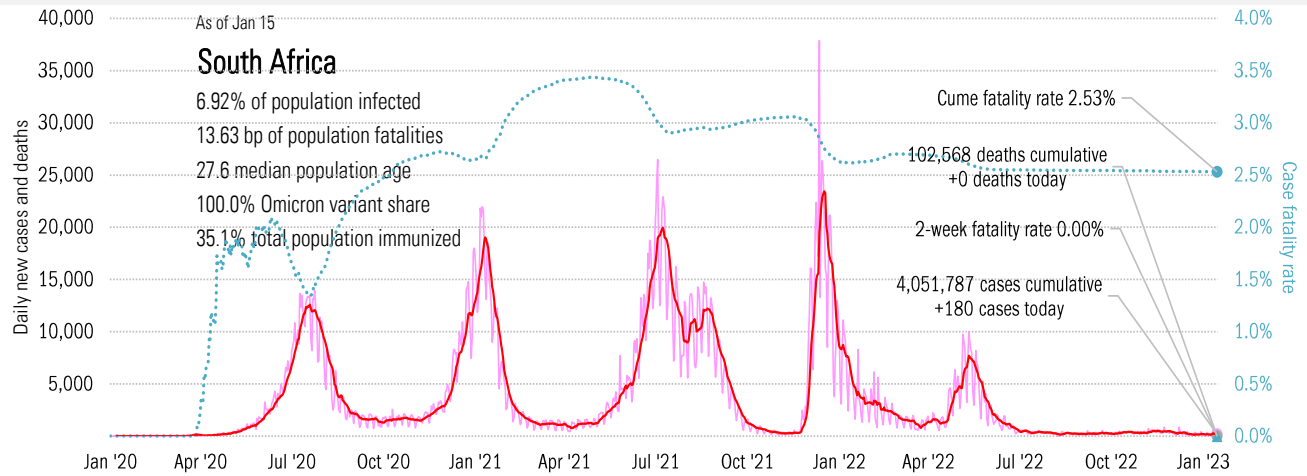
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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