

Data Insights: Covid-2019 Monitor

Sunday, December 18, 2022

The global scorecard

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

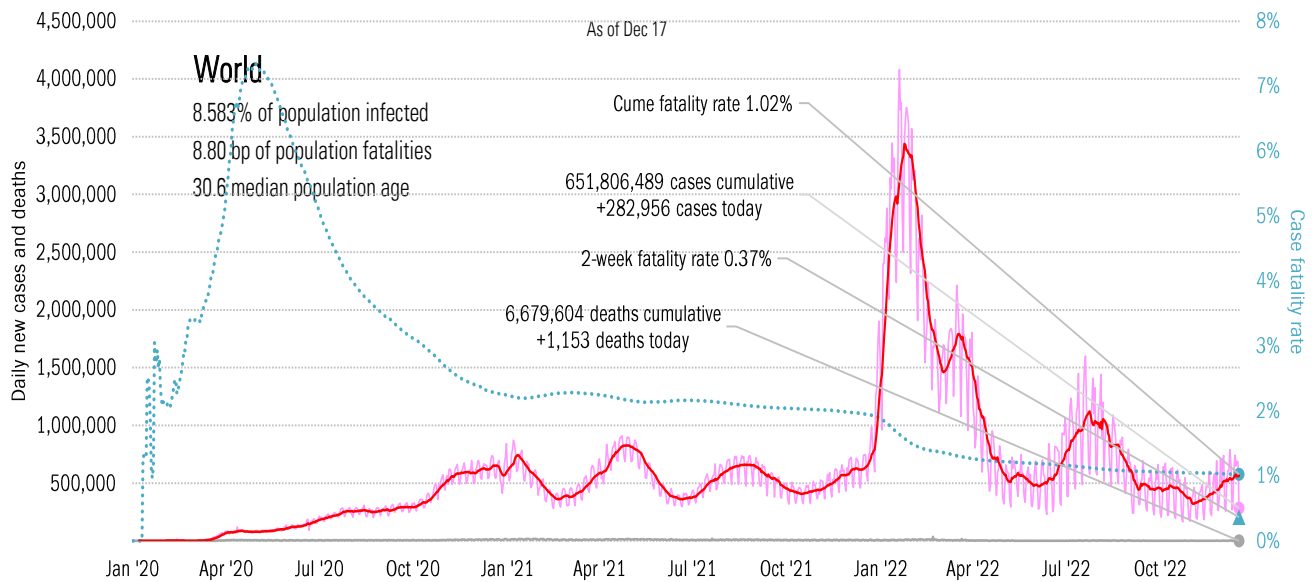
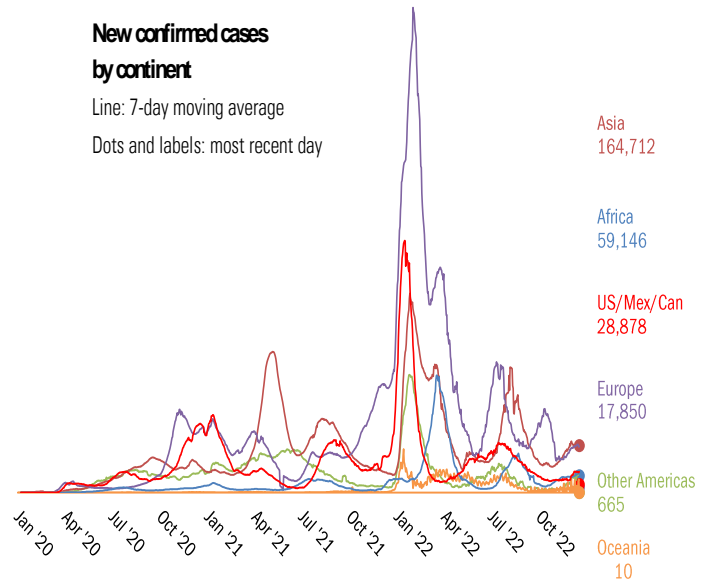
The worst ten countries

New cases		New Deaths	
Japan	158,383	United States	269
Brazil	59,694	Japan	264
Korea, South	58,862	Brazil	158
France	56,429	Germany	147
United States	54,952	France	131
Germany	34,308	Italy	103
Italy	24,947	Russia	58
Australia	18,931	Mexico	52
Mexico	14,398	Korea, South	42
Russia	7,464	Philippines	39
488,369		1,263	

New confirmed cases by continent

Line: 7-day moving average

Dots and labels: most recent day



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

For more information contact us:

Donald Luskin: 214 550 2121 don@trendmacro.com

Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

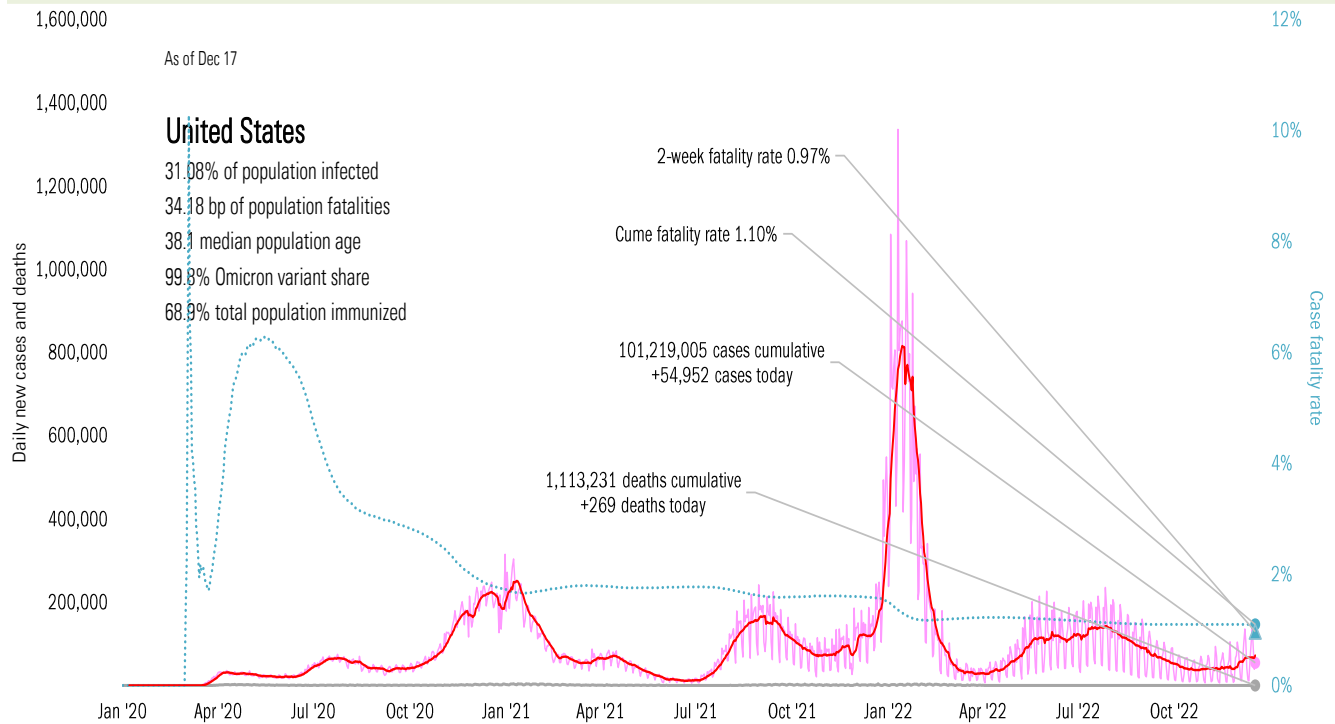
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
FL	6,079		FL	58		NY	553		CA	11,691,135		CA	98,049		TX	562,349		RI	89%	TX	89%
CA	5,348		MI	26		GA	184		TX	8,165,296		TX	91,598		CA	532,195		MO	87%	NH	89%
NJ	2,876		NY	21		MI	204		FL	7,312,963		FL	83,606		FL	508,900		WA	87%	RI	86%
NY	2,763		CA	20		NJ	234		NY	6,488,997		NY	74,530		NY	328,829		MA	87%	DC	85%
IL	2,573		PA	19		IL	290		IL	3,930,135		PA	48,662		GA	232,183		MN	86%	NC	85%
CH	2,388		MA	16		TX	408		PA	3,388,571		GA	41,244		CH	232,144		AK	85%	NM	85%
VA	2,202		AZ	15		FL	319		NC	3,300,138		CH	40,747		PA	217,598		MD	84%	VT	85%
NC	1,884		TX	15		CH	287		CH	3,276,630		MI	40,508		IL	200,674		NH	84%	AK	84%
PA	1,865		GA	12		MD	97		MI	2,963,404		IL	40,502		MI	172,943		MI	83%	MO	83%
MI	1,863		NJ	12		VA	129		GA	2,963,232		NJ	35,323		NJ	150,272		CR	83%	AL	83%
29,842			214			2,705			53,480,501			594,769			3,138,087						
All states	54,952			269			5,696		All states	101,219,005			1,113,231			5,698,802		All states	70%		67%
Top ten	54%			80%			47%		Top ten	54%			55%			55%		Median	78%		78%

Some states not reporting

Five most improved US states

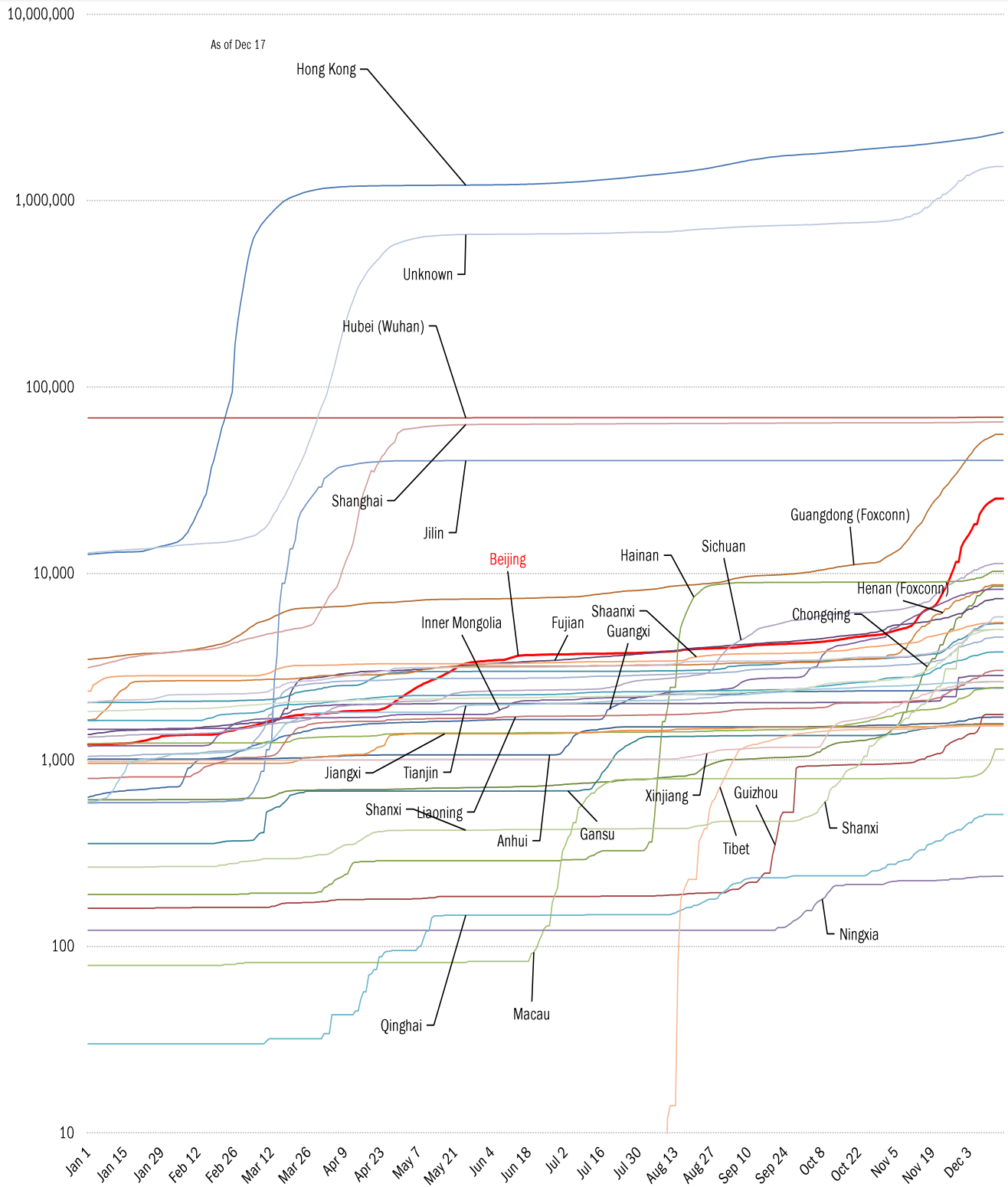
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-4,970	IL	-25	LA	-42
AR	-83	CO	-22	TX	-34
ME	-13	CA	-20	KS	-29
AK	0	MD	-8	NV	-28
AL	0	CT	-6	PA	-25



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"

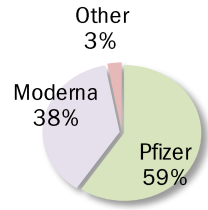


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	676,875,401		+0.181 million		US	68.9%	80.6%
			Of which boosters: +0.156 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%
Total population	276,286,091	83%	235,628,086	71%	+0.017 million	Spain	85.5%
Age 12 to 17	18,389,791	73%	15,747,323	62%	+0.001 million	Germany	76.2%
Age 18 to 64	183,774,685	90%	156,296,409	77%	+0.009 million	Italy	81.3%
Age 65 and over	60,871,211	100%	53,326,820	97%	+0.003 million	Australia	82.7%
						Israel	65.2%
						Canada	82.5%
						Japan	83.1%
						Africa	26.2%
						India	67.1%
						Brazil	80.9%
						China	89.4%



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

AK	72.7%
	64.9%

"Immunity" = two doses

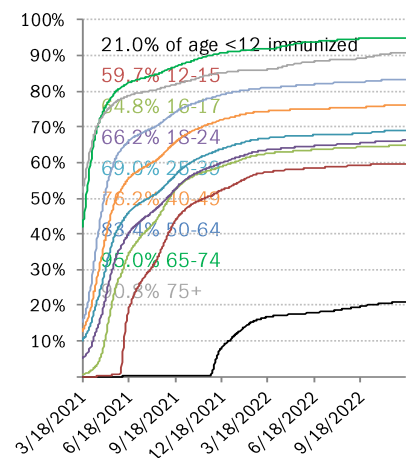
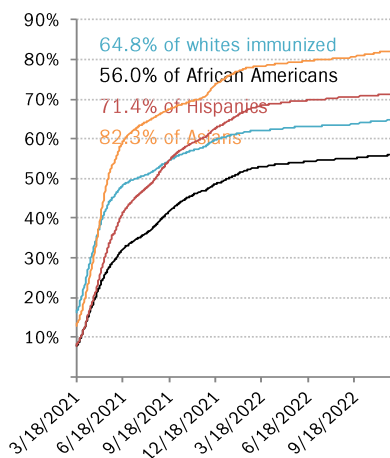
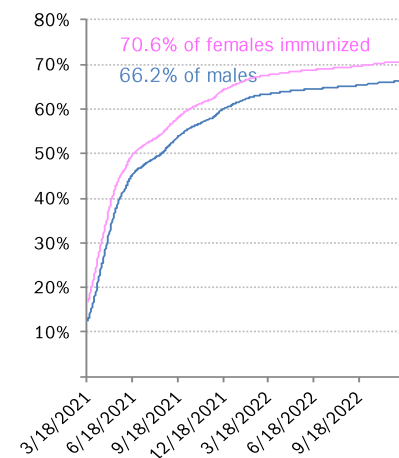
As of Dec 16

Global data differs due to sources, timing

					WI						ME
					74.8%						95.0%
					67.9%						82.9%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
84.7%	63.6%	68.0%	69.0%	78.4%	78.8%	69.2%			93.9%	95.0%	87.3%
75.6%	56.2%	58.9%	58.3%	71.8%	71.0%	62.1%			80.3%	85.1%	71.4%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA	
81.1%	77.1%	60.6%	83.3%	70.3%	64.1%	65.4%	89.9%		94.1%	95.0%	
72.0%	63.4%	52.8%	65.9%	64.1%	57.5%	60.2%	72.8%		78.7%	83.7%	
CA	UT	CO	NE	MO	KY	WV	VA		MD	CT	RI
84.2%	74.9%	83.3%	73.0%	69.0%	68.5%	67.2%	90.3%		91.1%	95.0%	95.0%
74.3%	66.4%	73.2%	65.9%	58.7%	59.3%	59.5%	76.2%		79.2%	82.6%	87.2%
	AZ	NM	KS	AR	TN	NC	SC		DC	DE	
	76.9%	93.6%	75.8%	69.5%	64.2%	91.3%	70.6%		95.0%	87.6%	
	65.7%	74.7%	64.9%	56.6%	56.1%	66.6%	59.6%		85.1%	72.9%	
			OK	LA	MS	AL	GA				
			74.2%	62.6%	61.4%	64.8%	68.0%				
			60.1%	54.9%	53.5%	53.0%	57.0%				
			TX						FL		PR
			75.9%						82.0%		95.0%
			63.0%						69.1%		86.7%

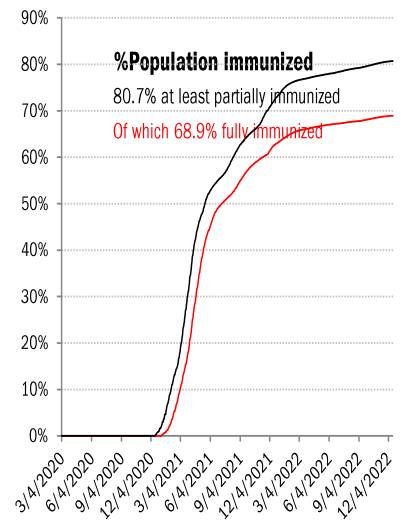
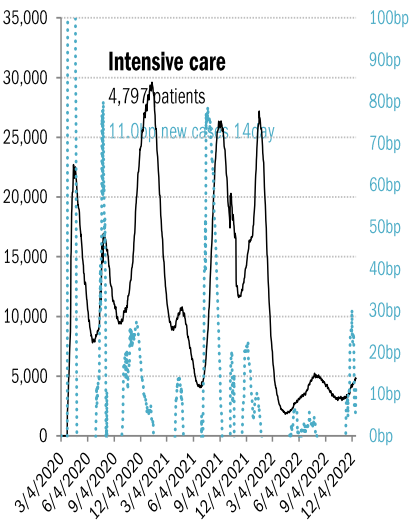
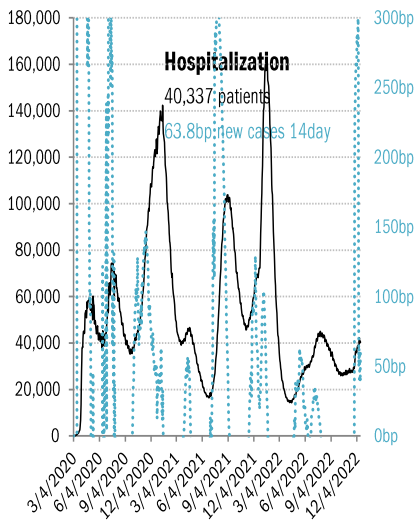
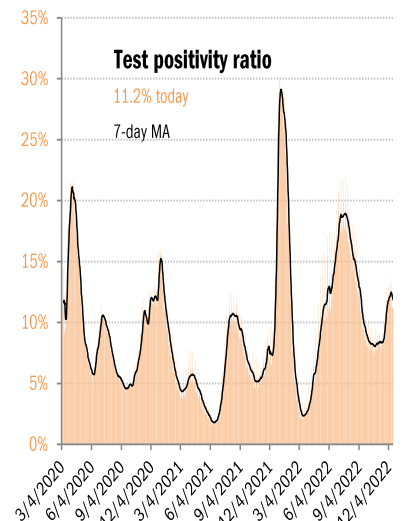
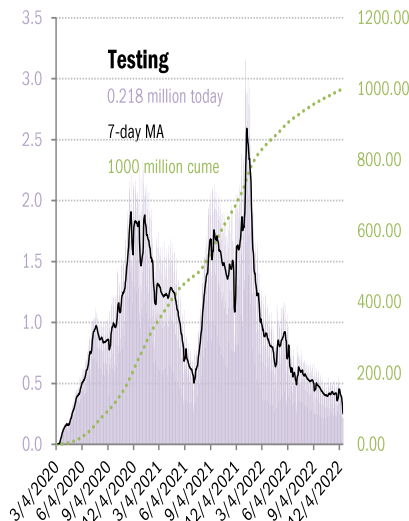
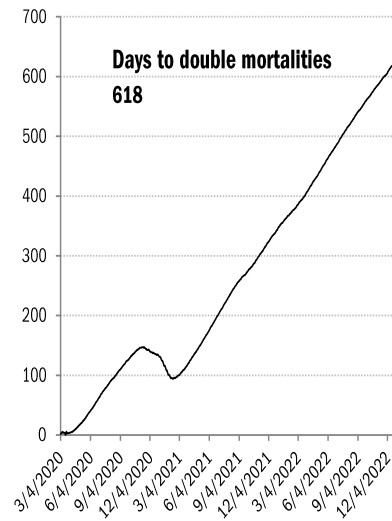
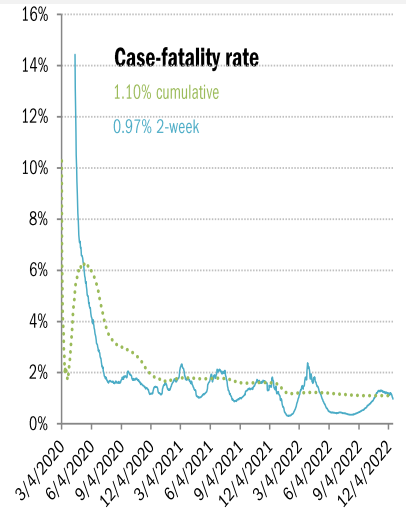
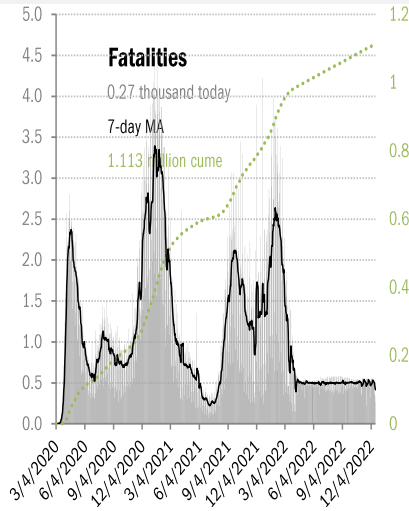
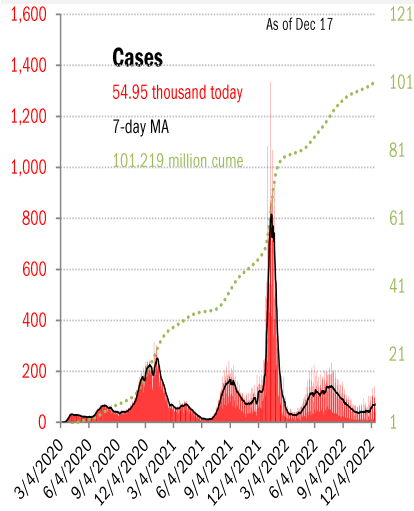
HI	91.0%
	81.2%

The demographics of US vaccination

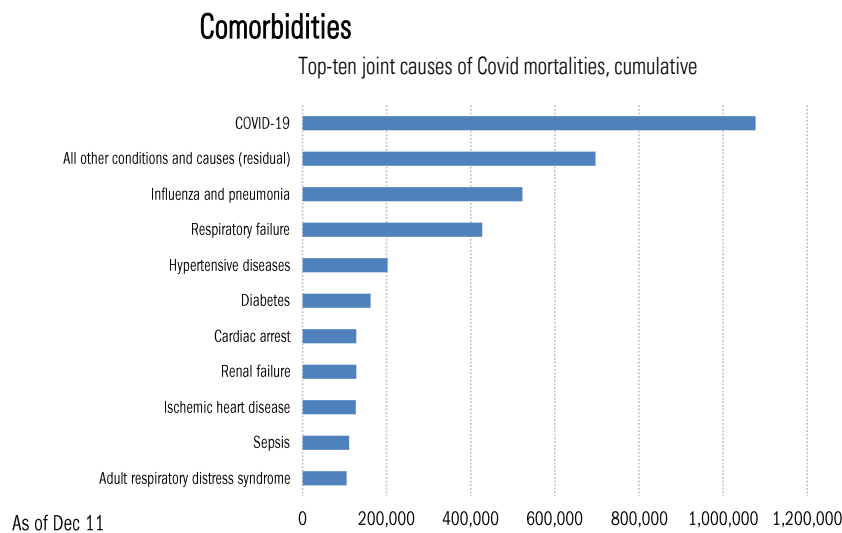
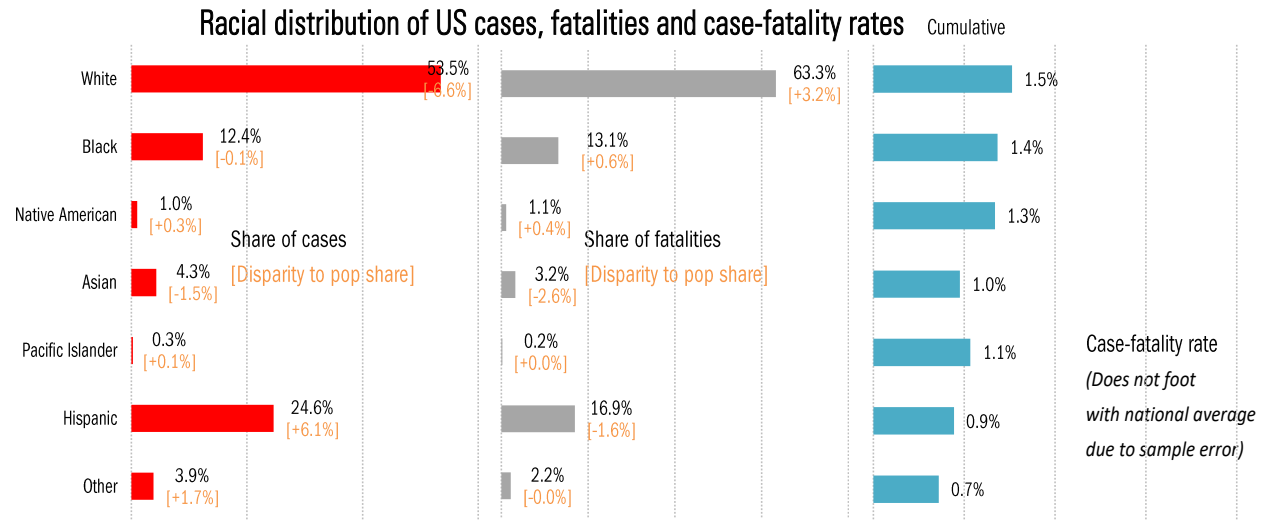
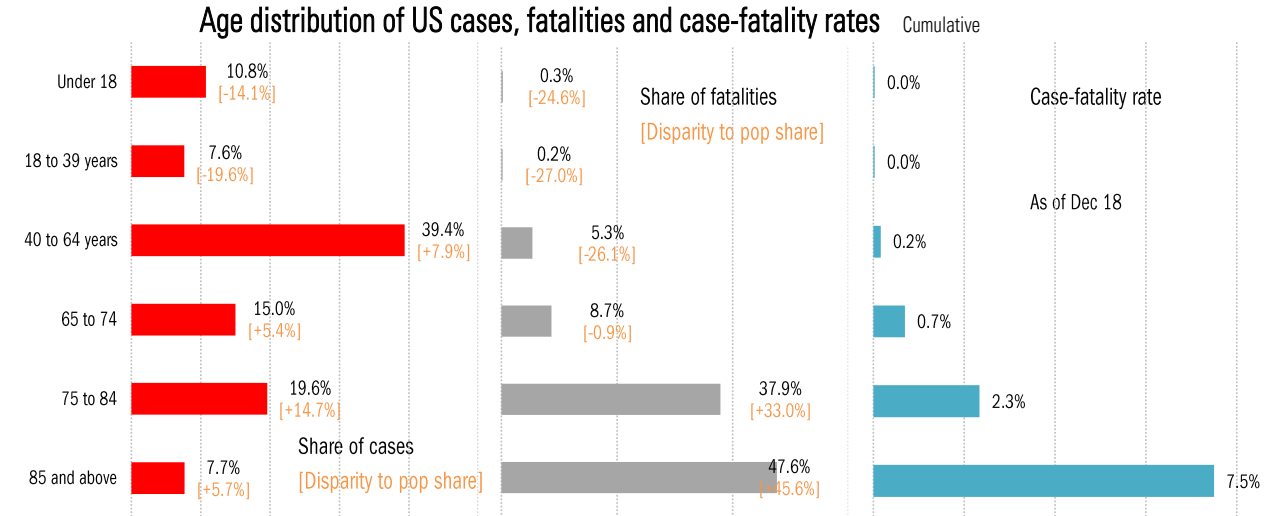


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive



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



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

[Beijing locks itself down as a wave of cases and uncertainty follows 'zero Covid' retreat](#)

Marie Brockling, Angie Ling, Dorothy Kam and Olivia Guan
NBC News
December 17, 2022

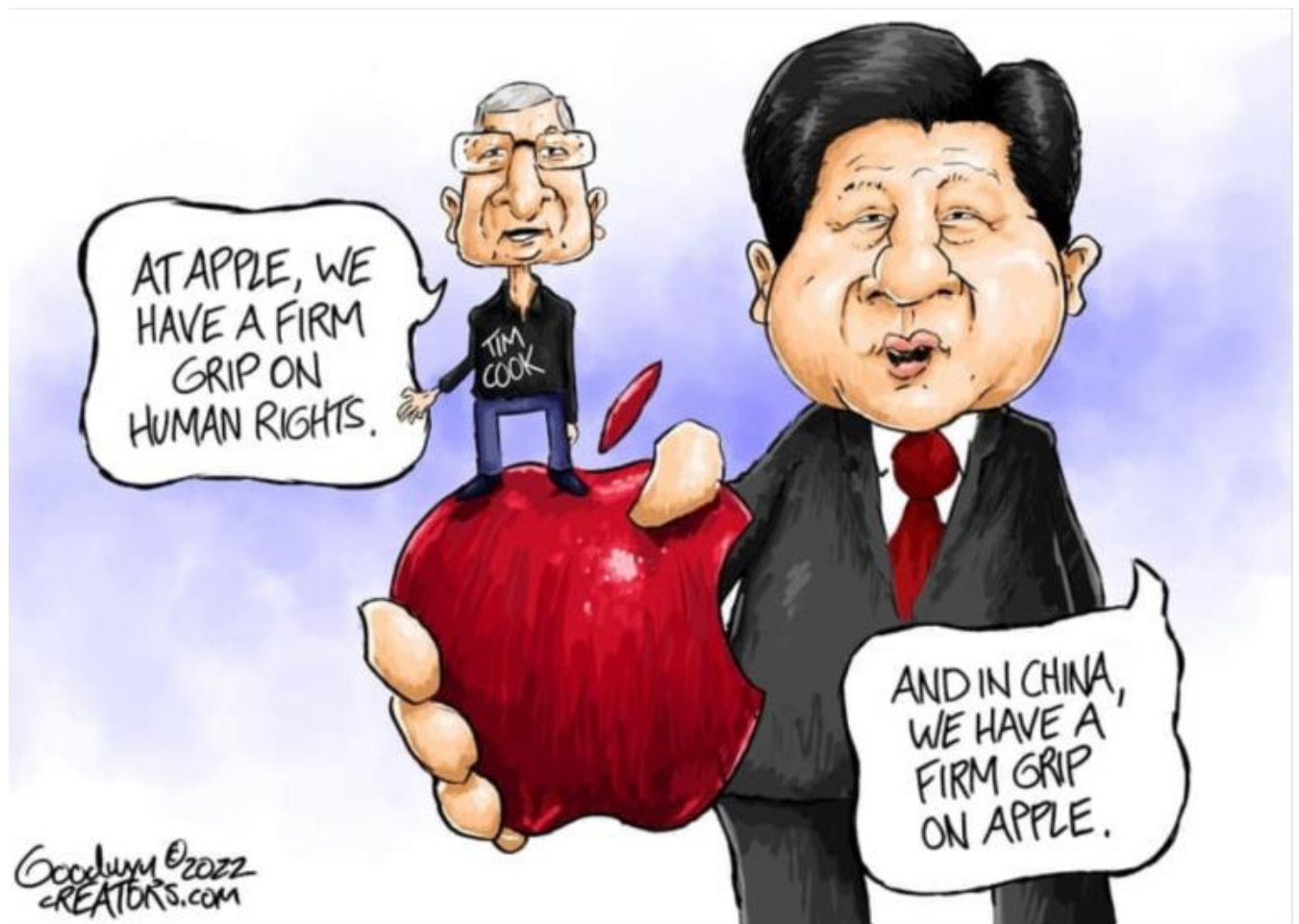
[New Covid model predicts over 1 million deaths in China through 2023](#)

Reuters
December 17, 2022

[COVID-19 is about to explode in China. What that could mean for the United States.](#)

Karen Weintraub
USA Today
December 16, 2022

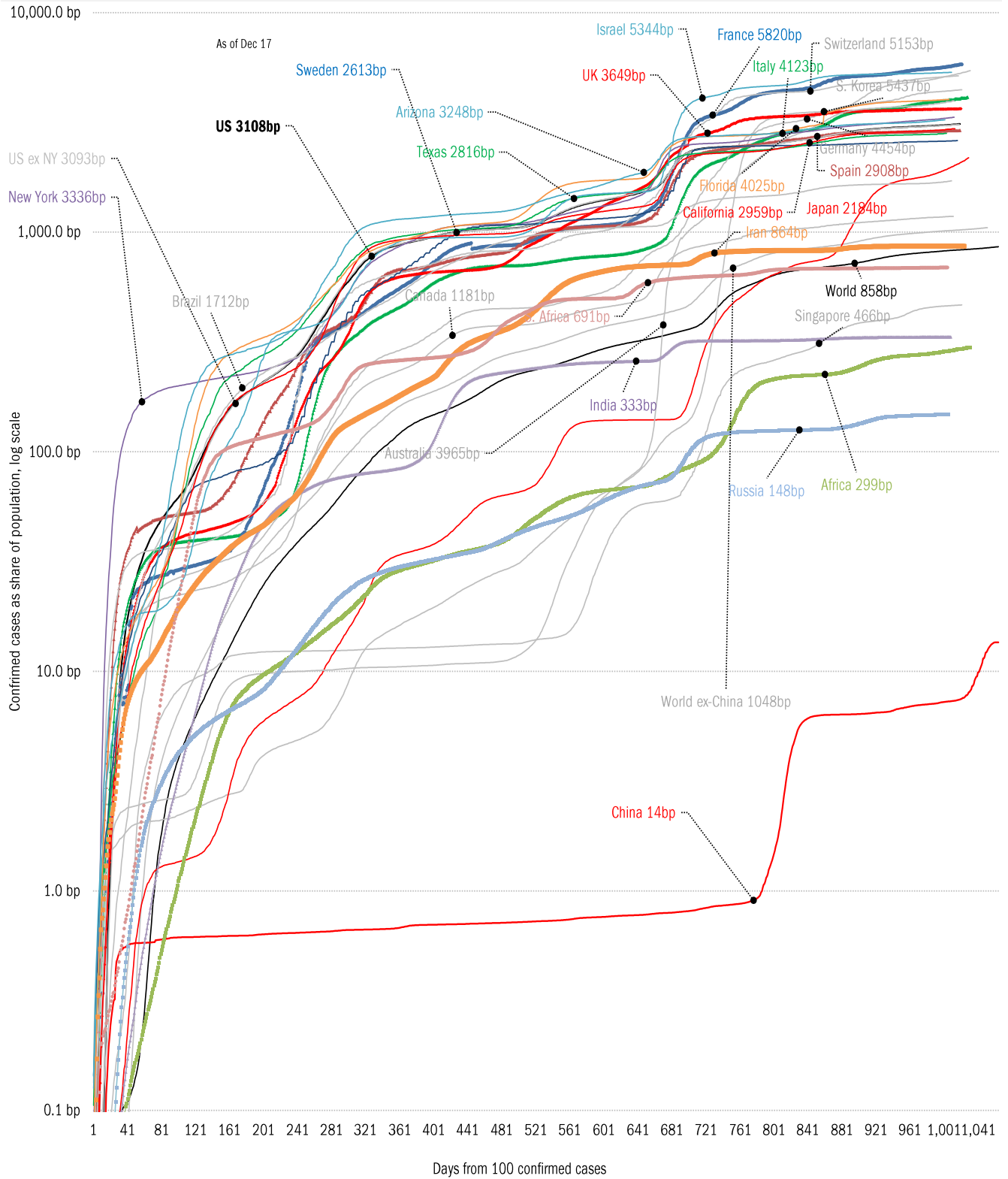
Meme of the Day



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

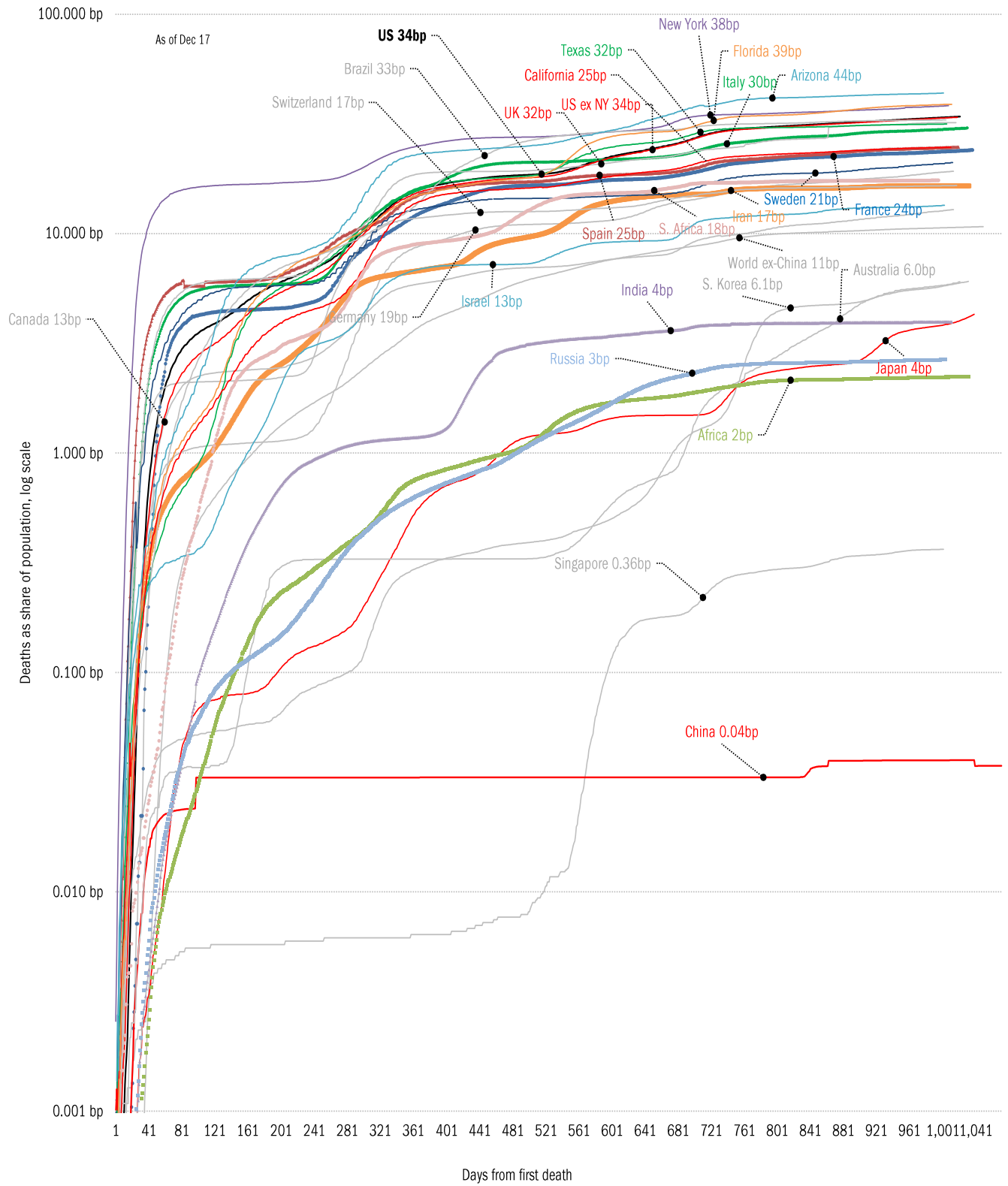
The global coronavirus case accelerometer... tracking the world's infection curves

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 deceased population from day of first fatality, log scale

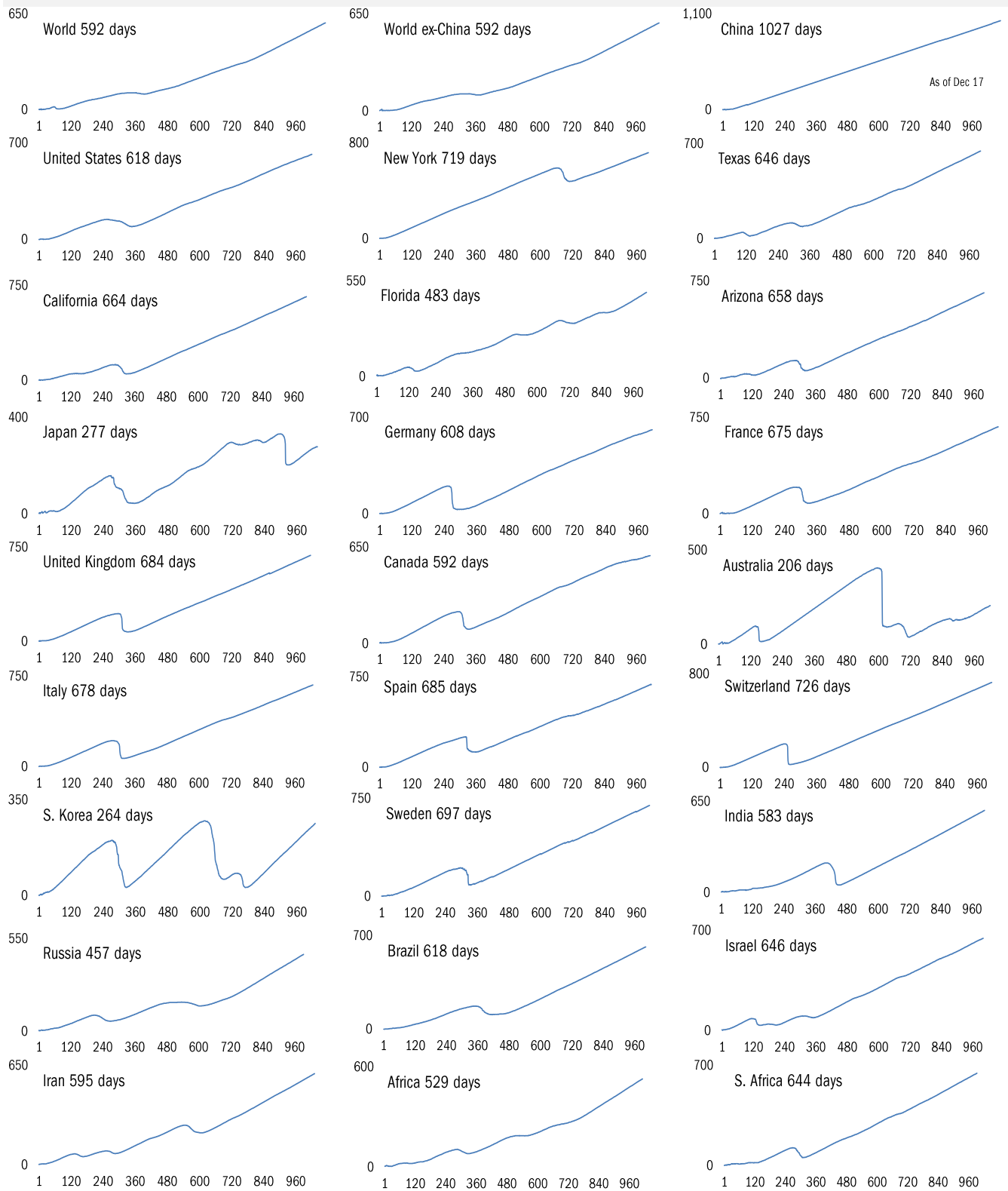


Source: [Johns Hopkins](#), TrendMacro calculations

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

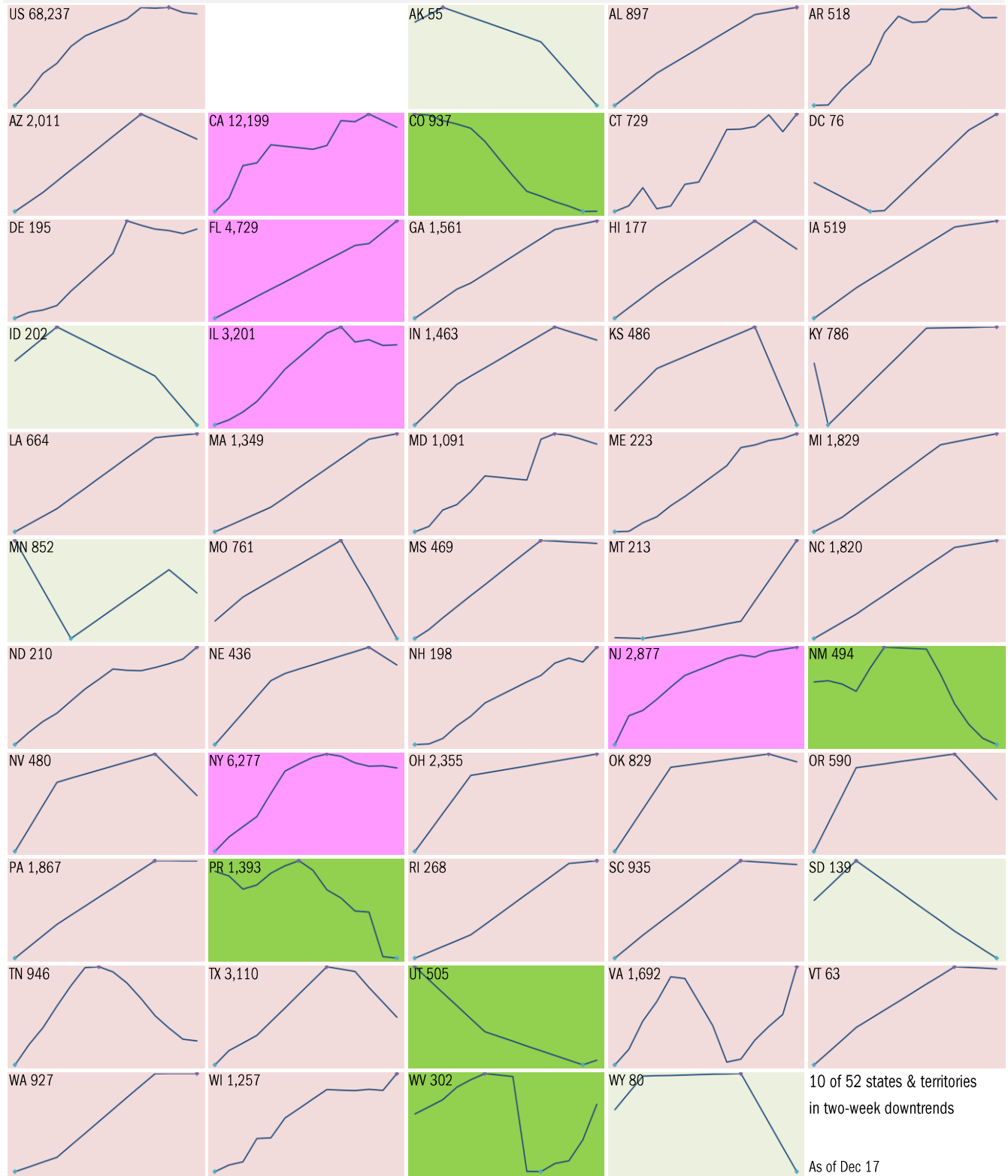


Source: [Johns Hopkins](#), TrendMacro calculations

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

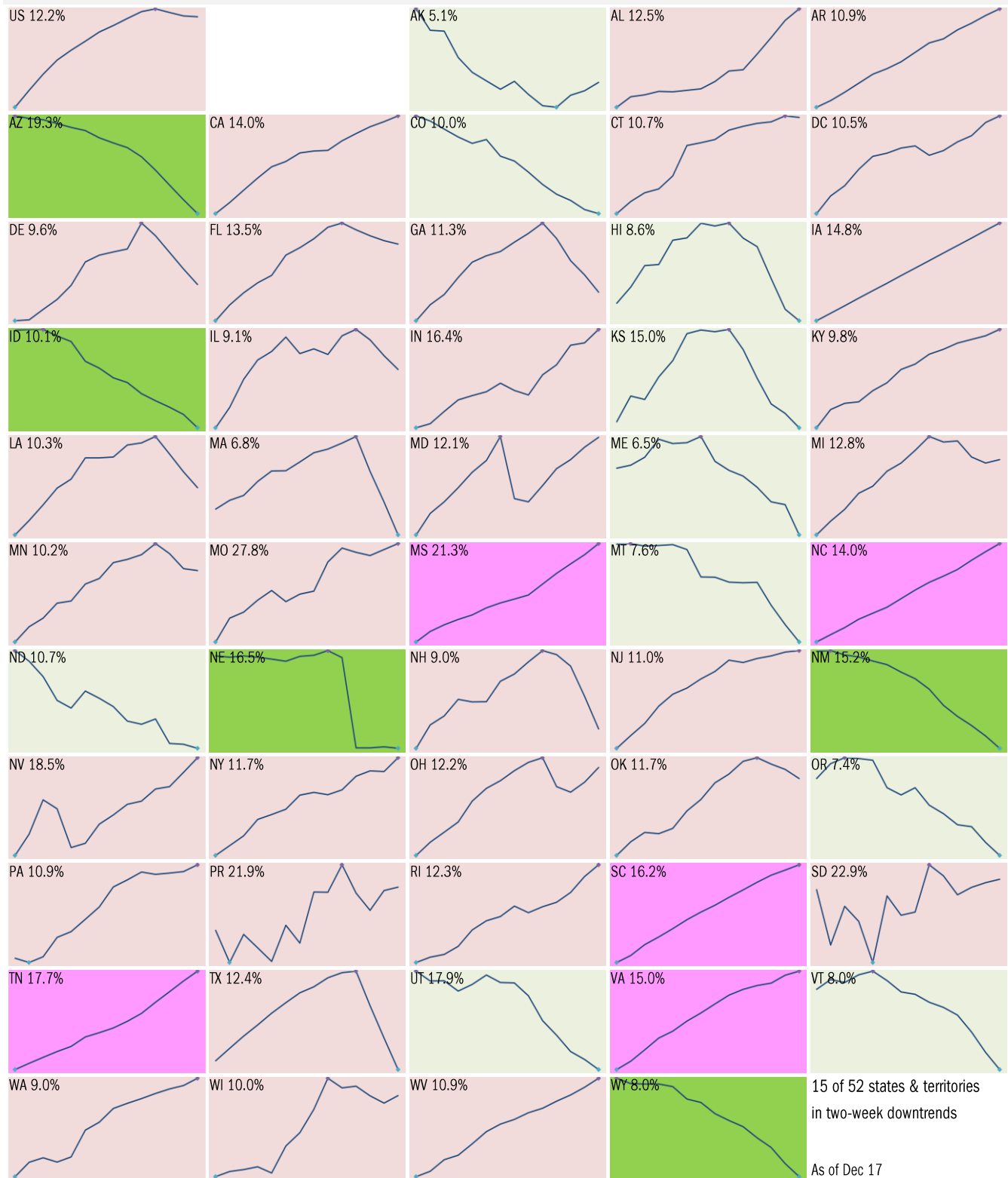


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

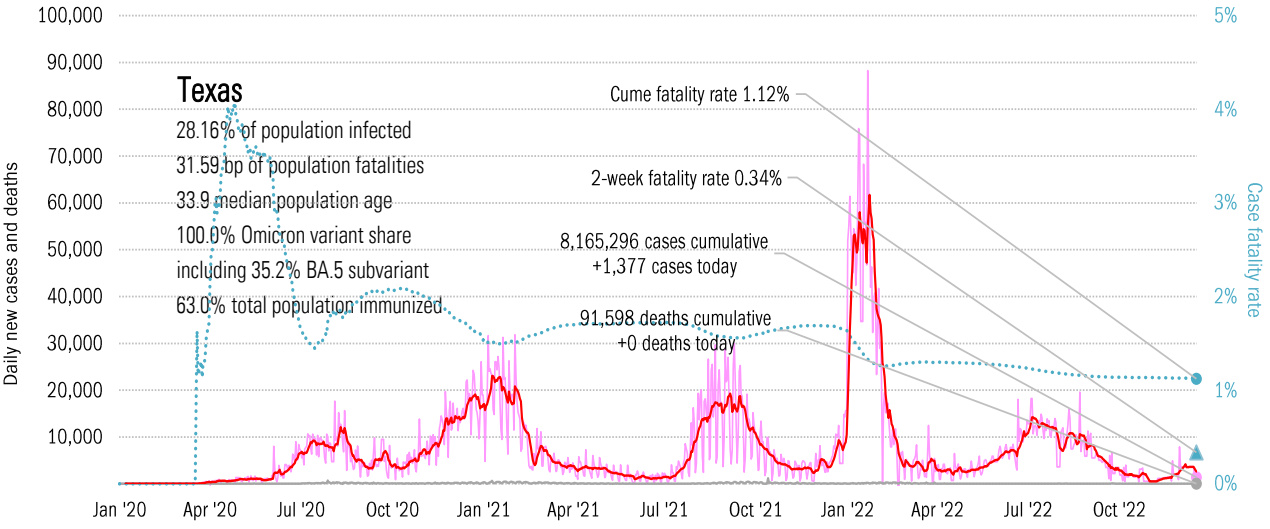
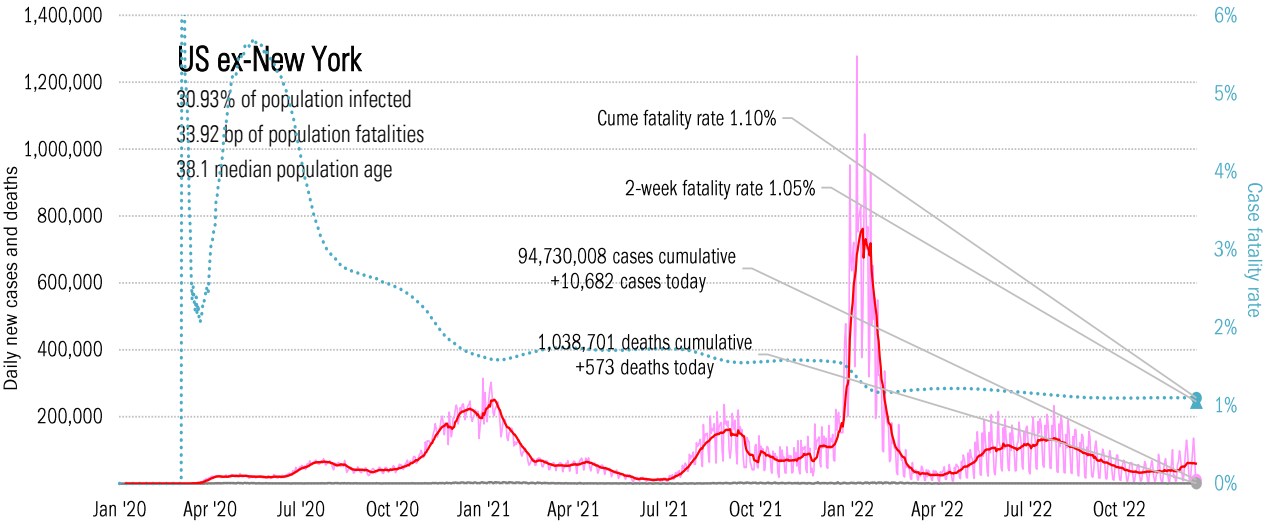
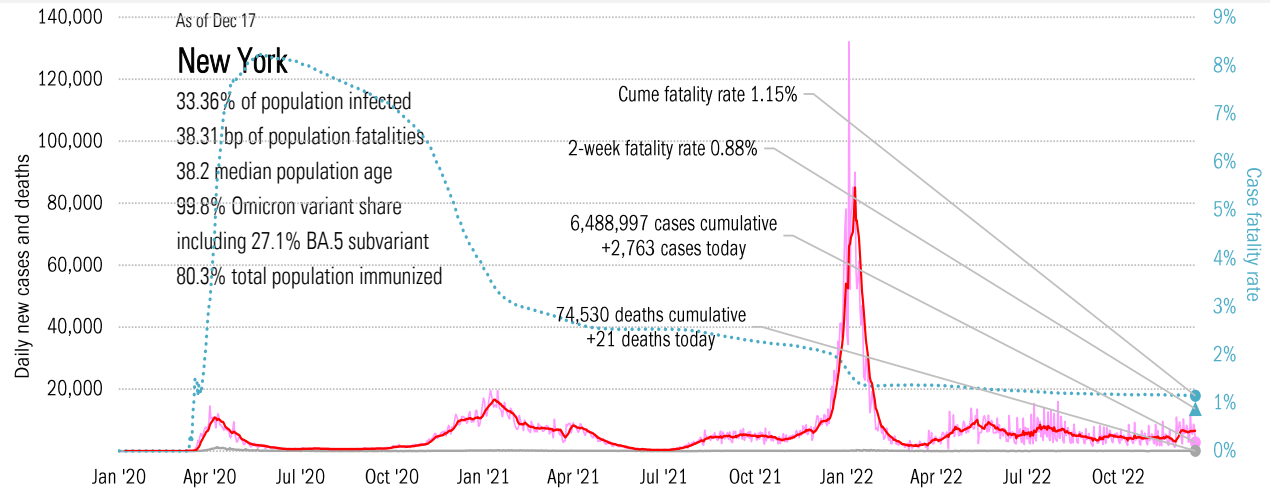
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

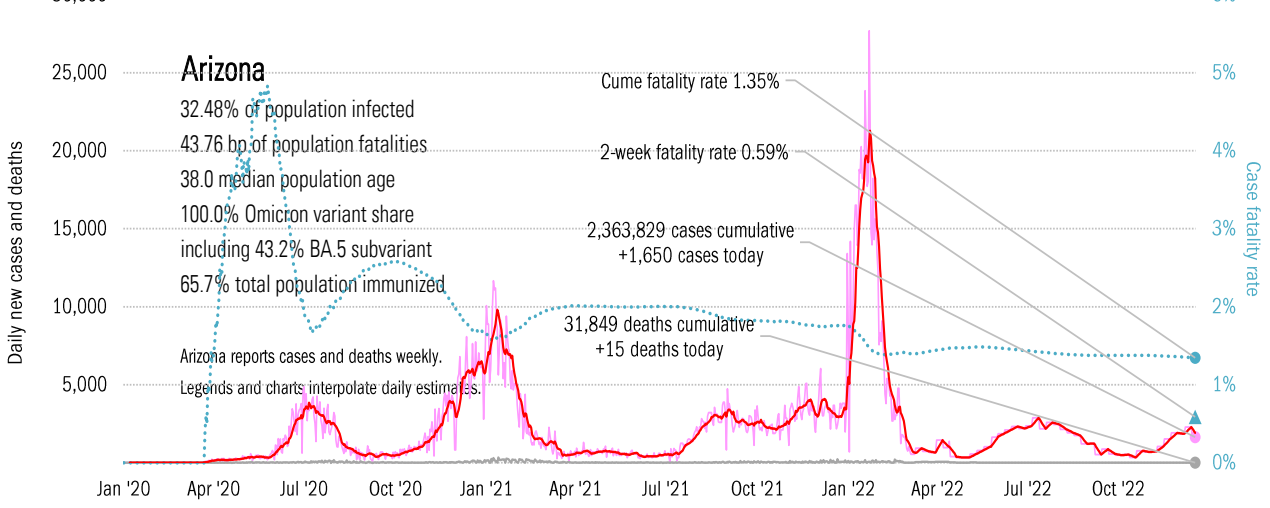
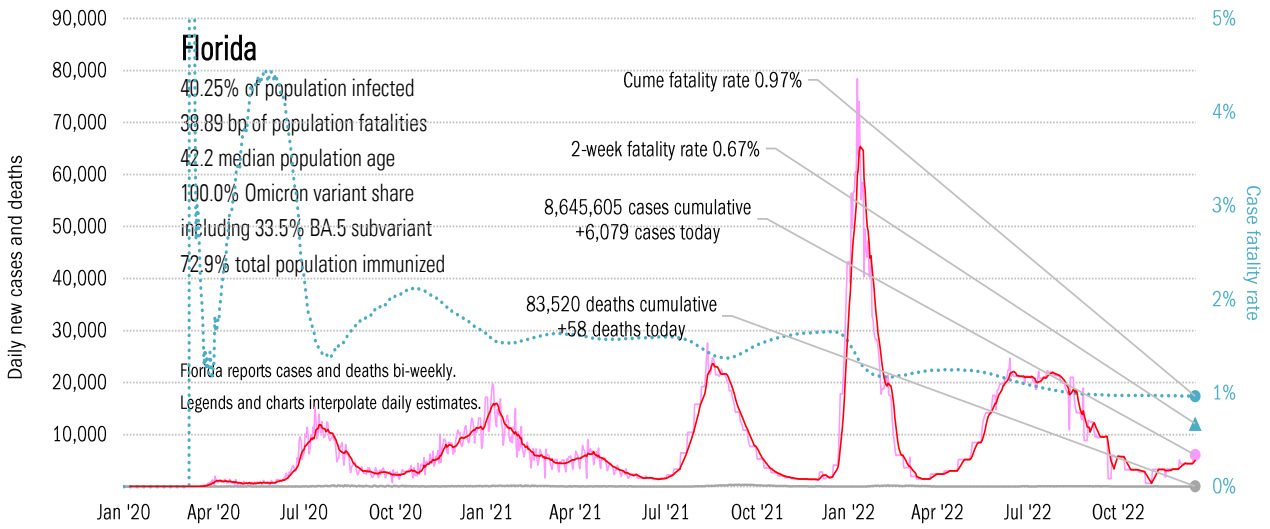
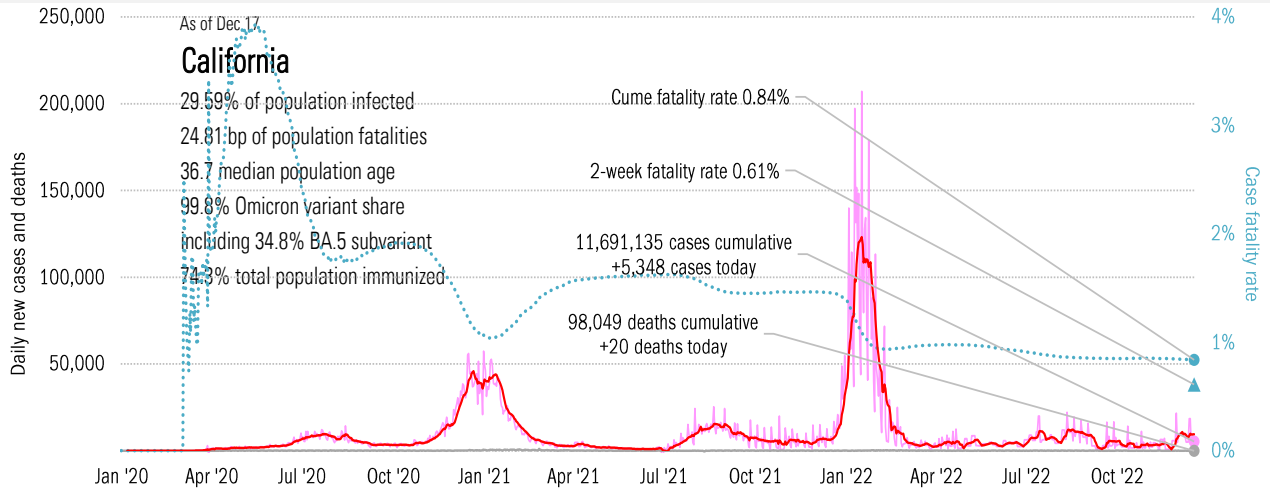
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

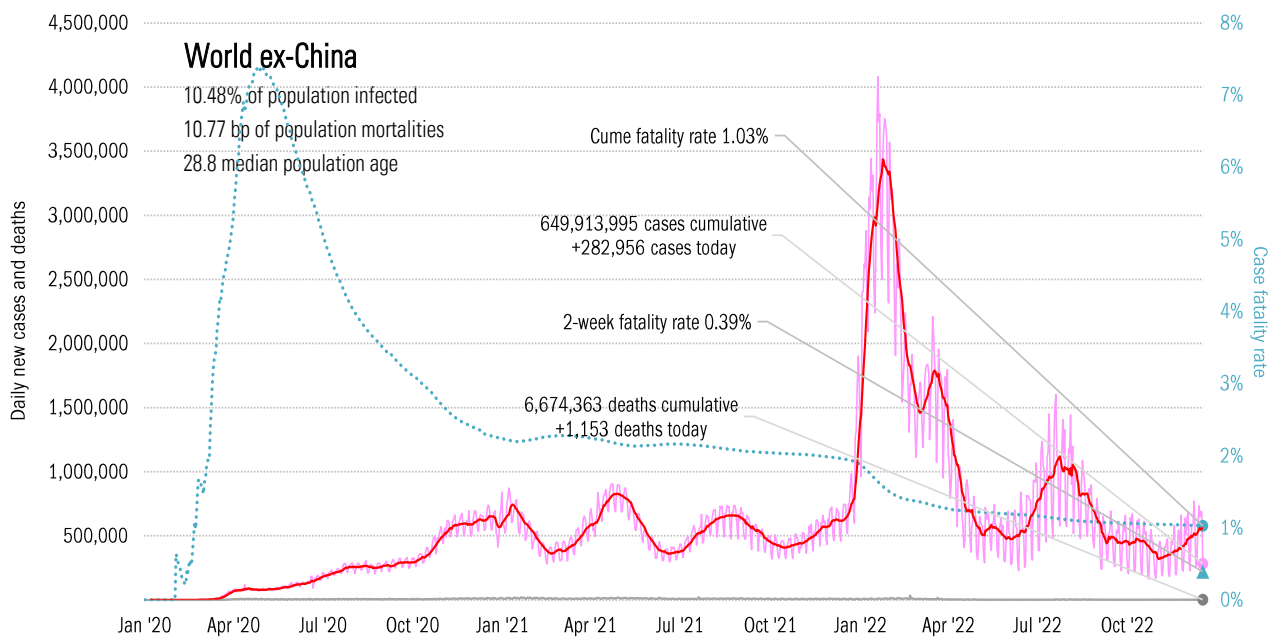
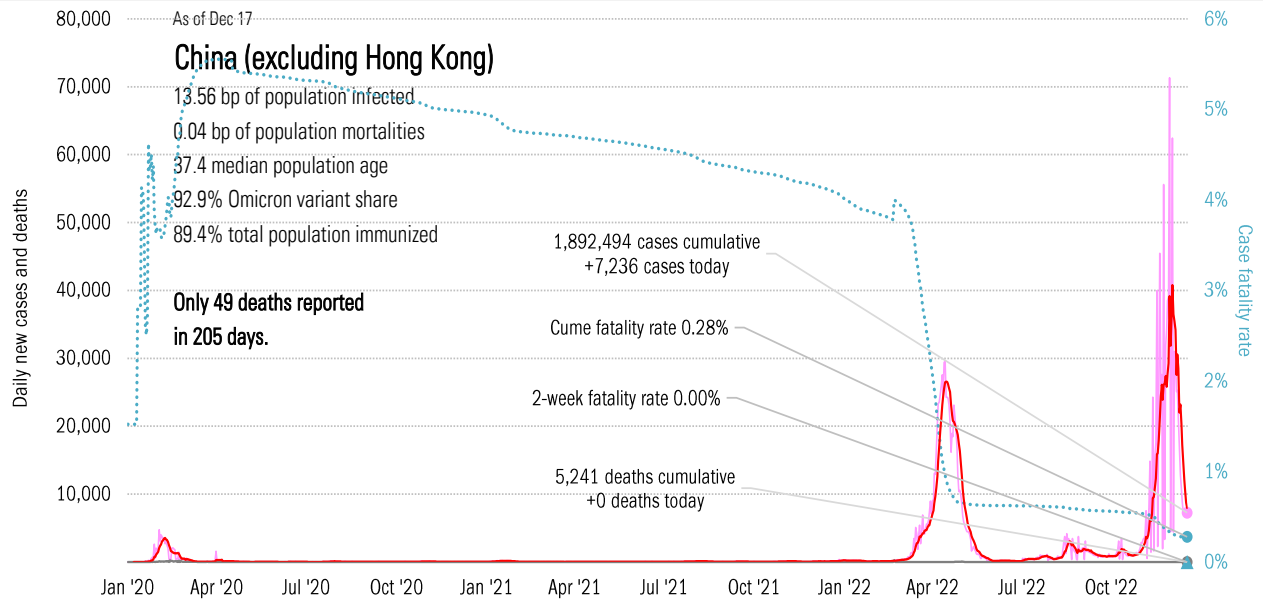
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

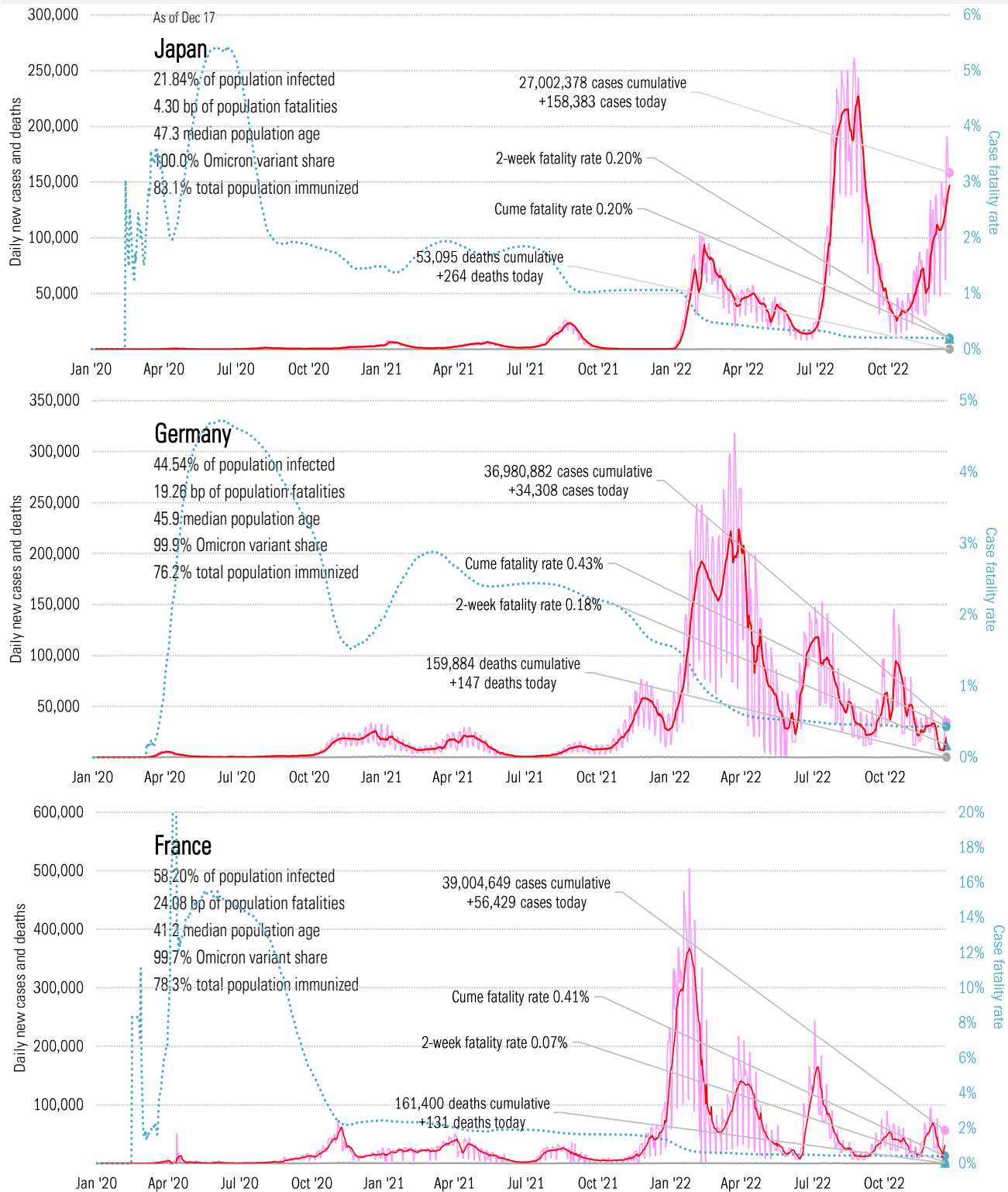
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

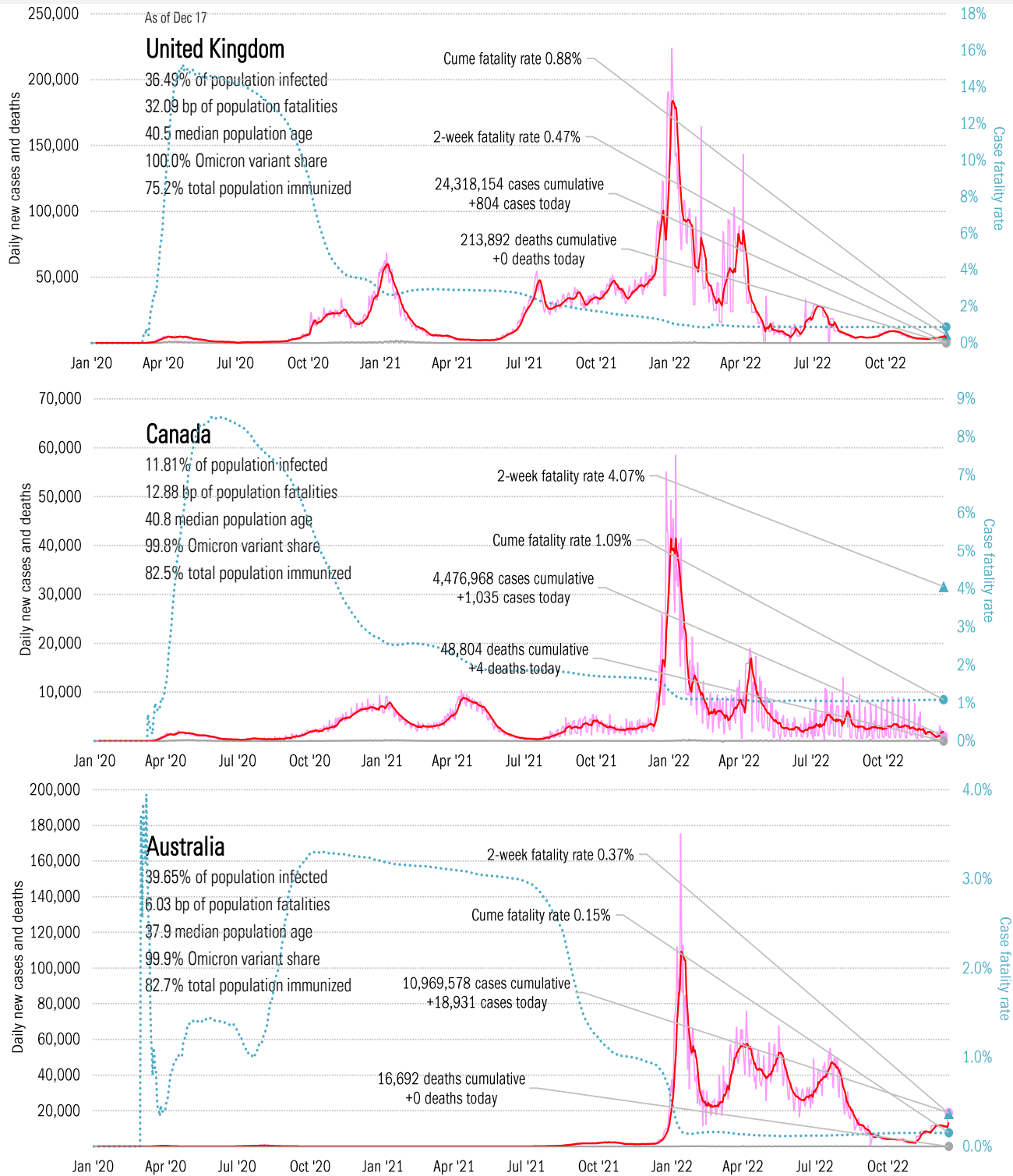
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

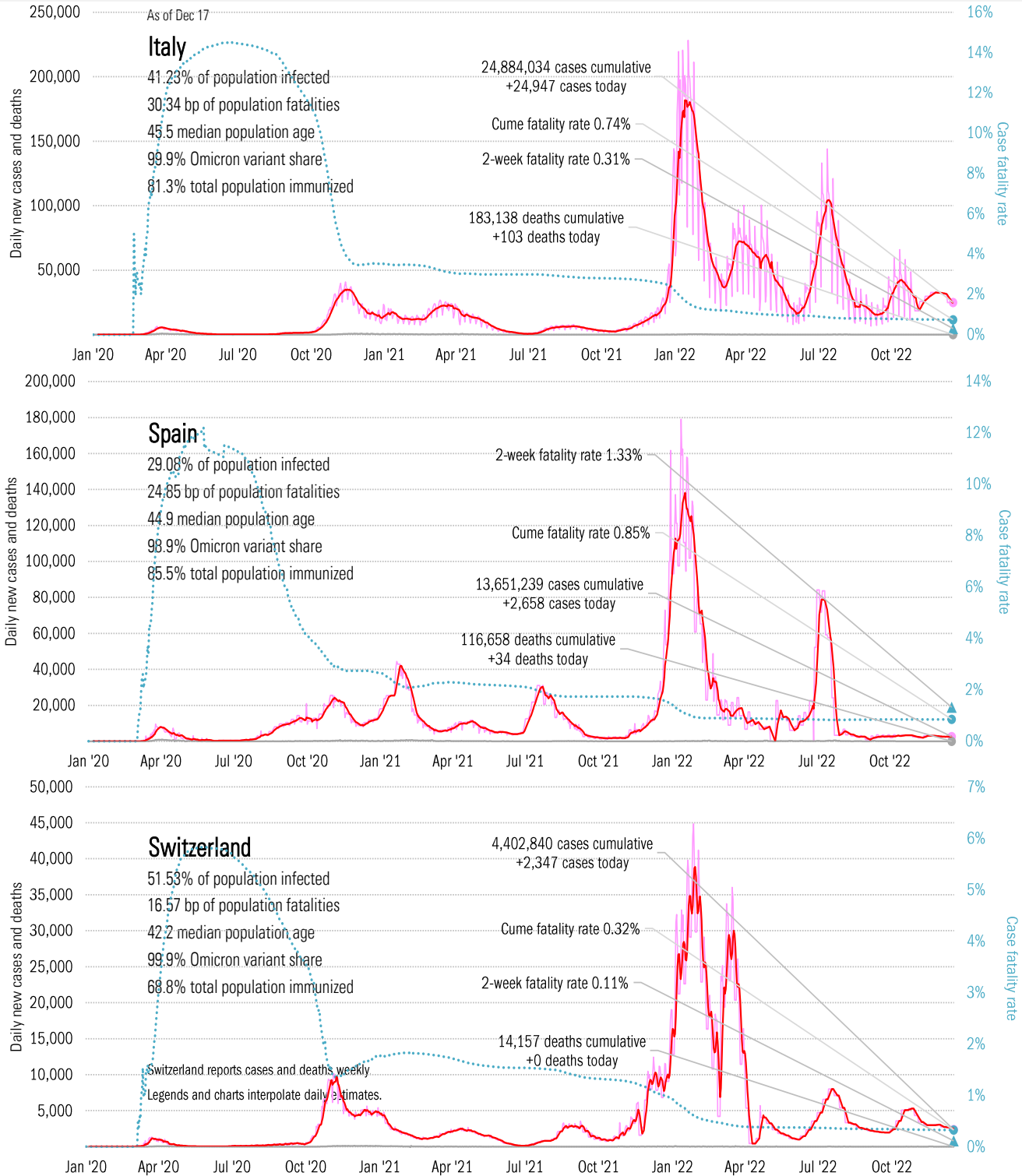
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

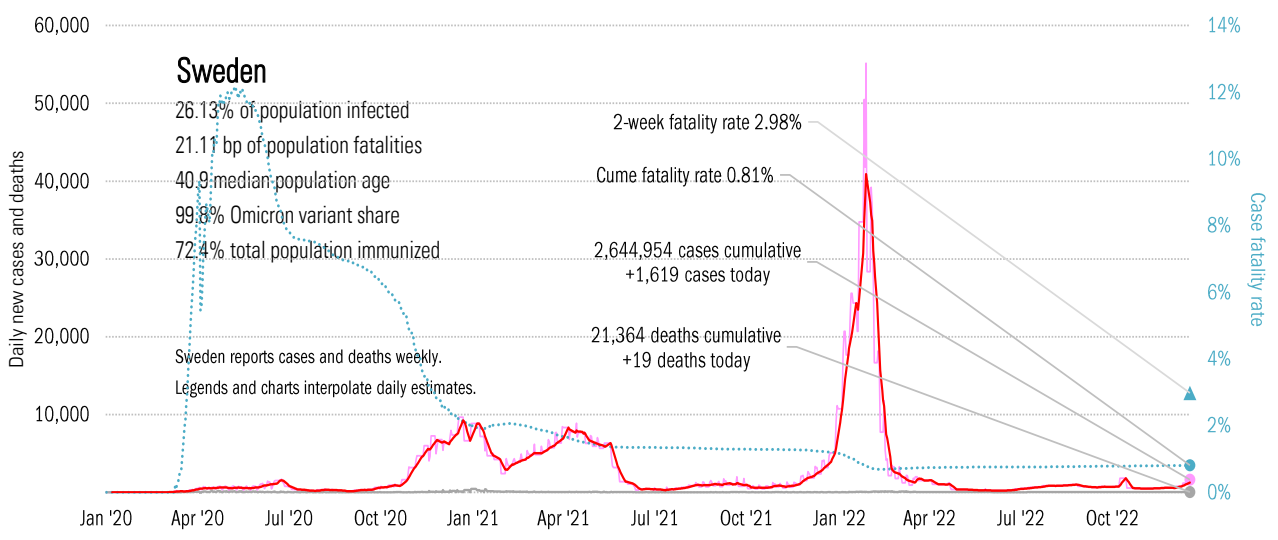
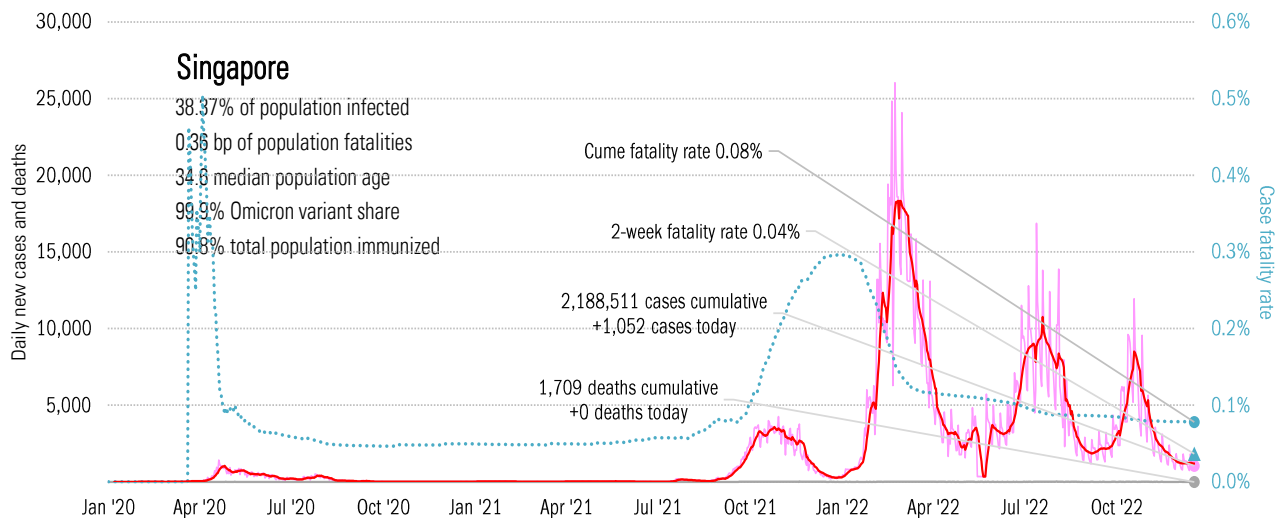
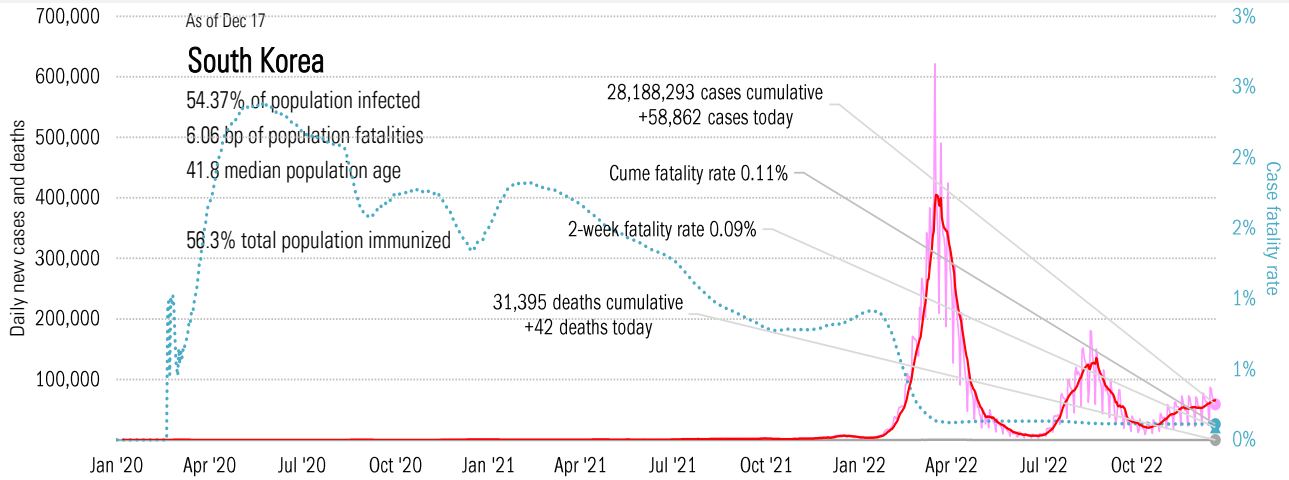
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

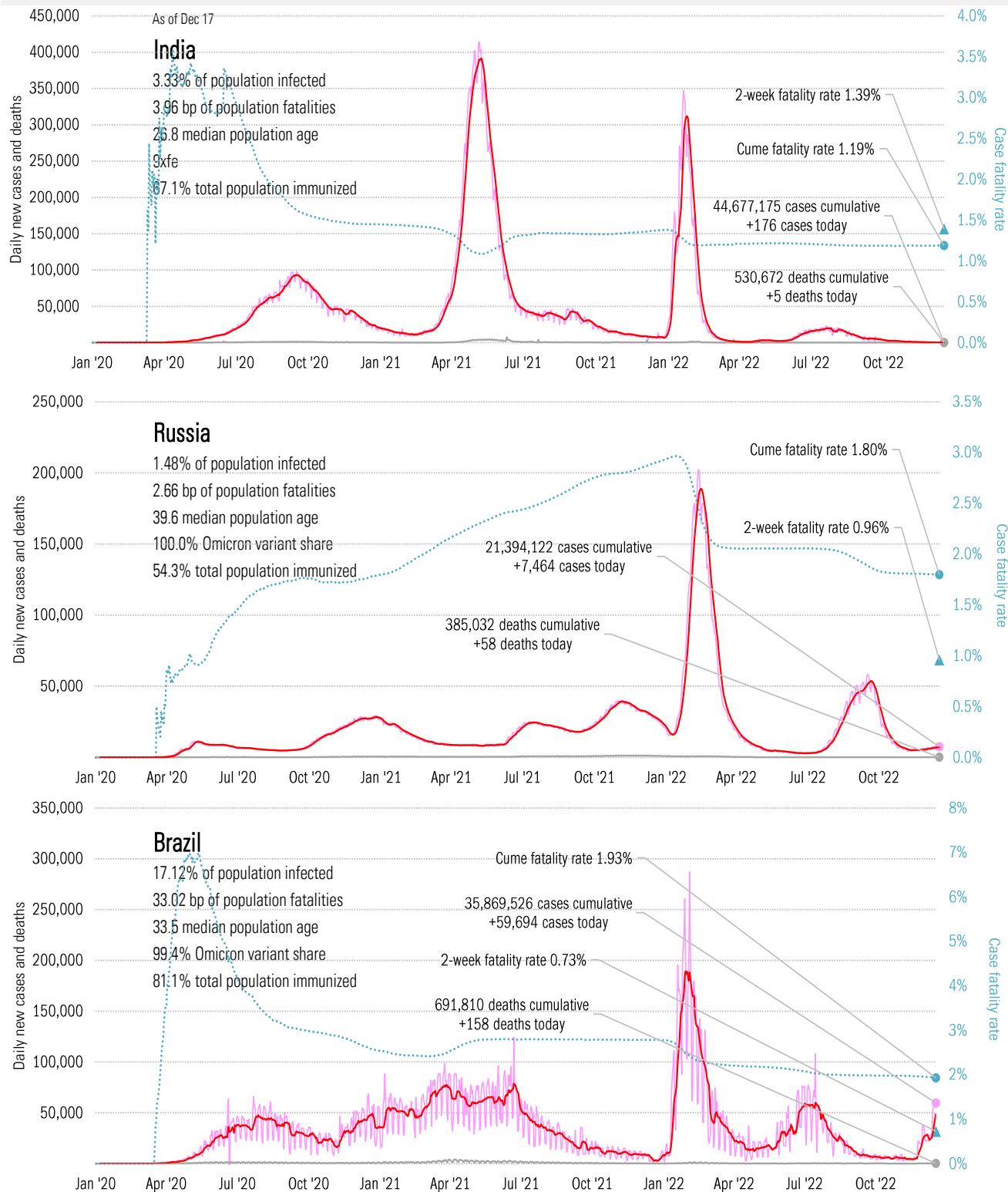
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

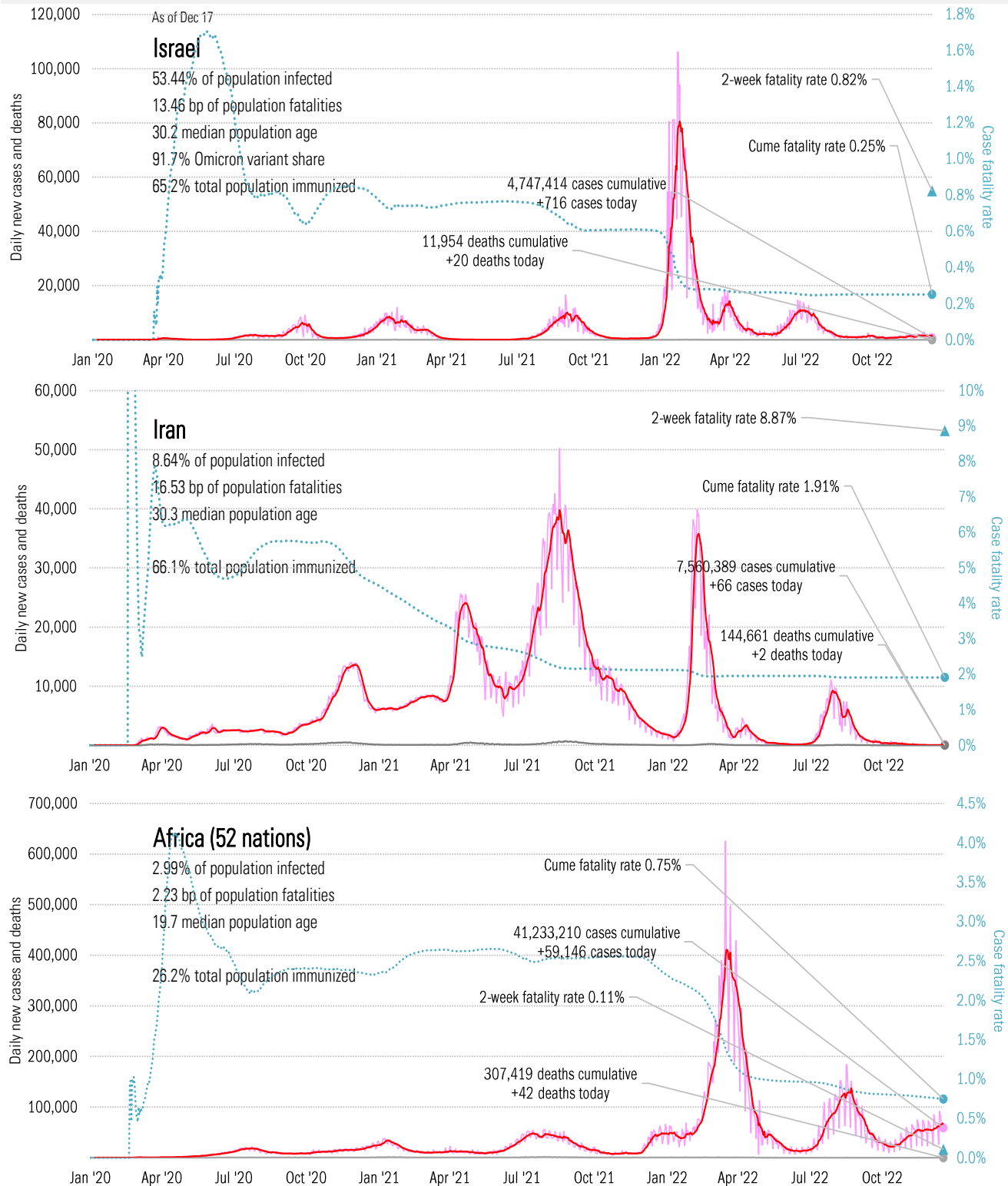
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

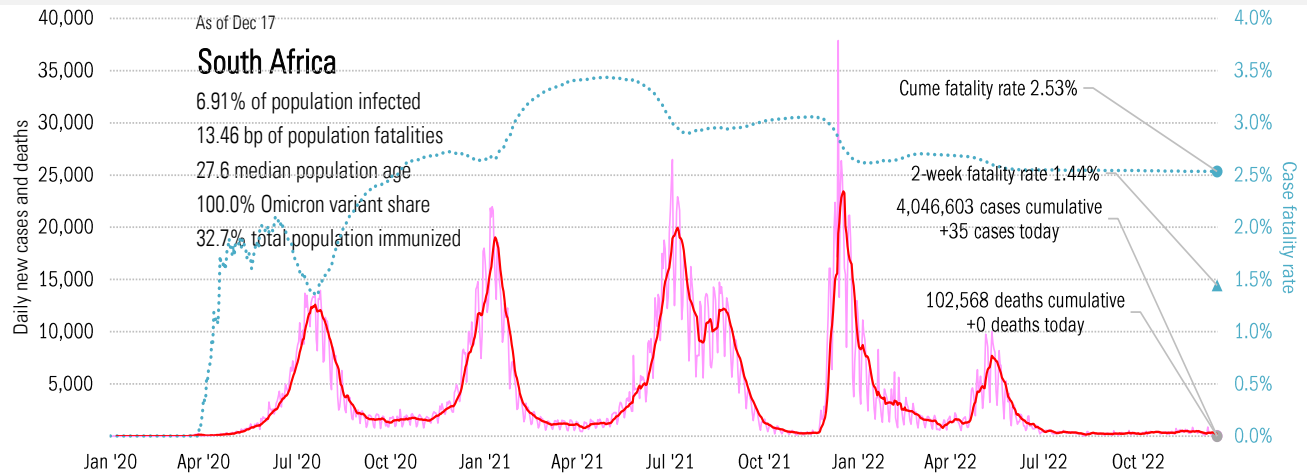
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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