

Data Insights: Covid-2019 Monitor

Sunday, December 11, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

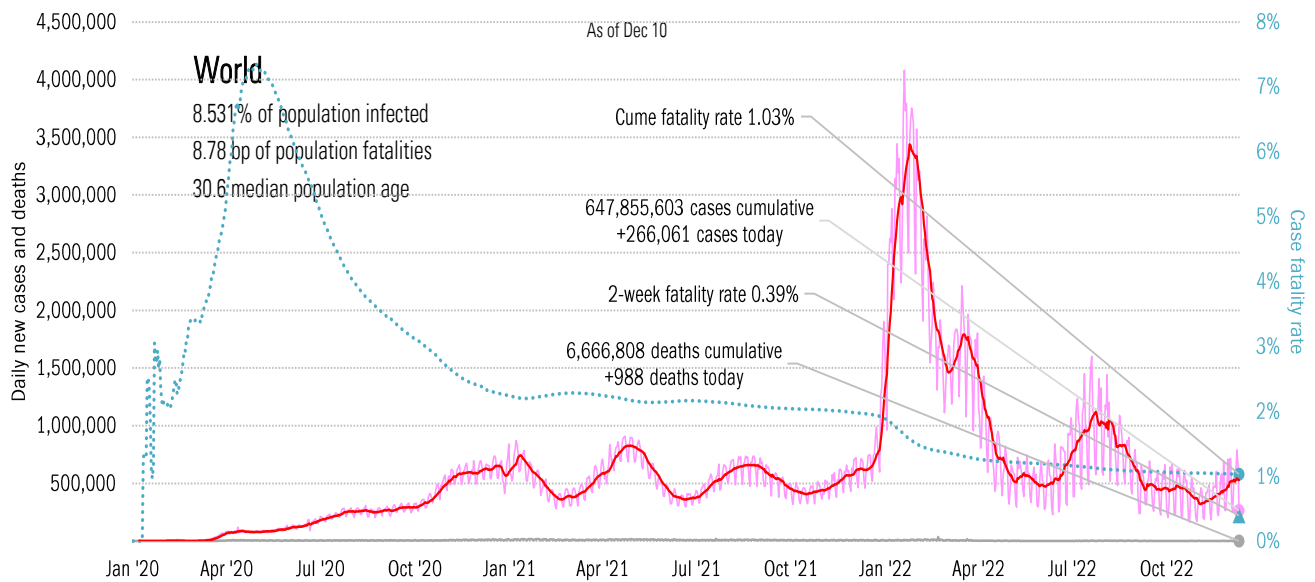
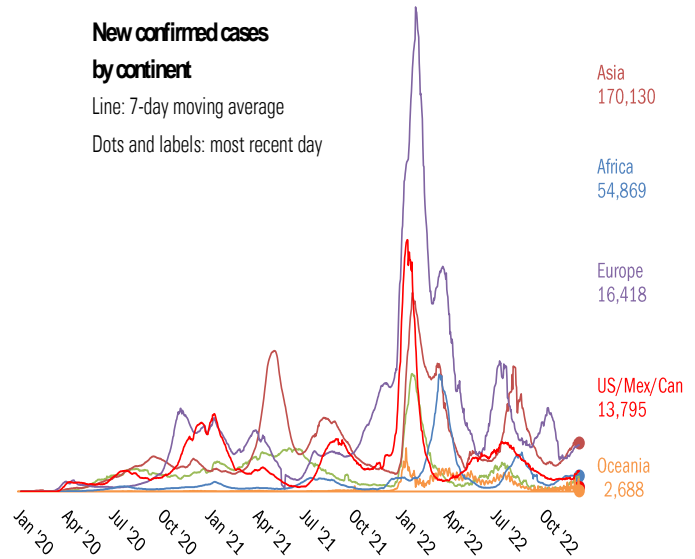
The worst ten countries

New cases		New Deaths	
Japan	135,761	United States	327
France	71,621	Japan	222
United States	56,852	Brazil	149
Korea, South	54,319	Germany	120
Germany	35,826	Italy	98
Italy	31,618	France	94
Brazil	22,588	Russia	53
Taiwan*	14,276	Spain	45
China	12,789	Korea, South	40
Russia	7,354	Chile	25
443,003		1,173	

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

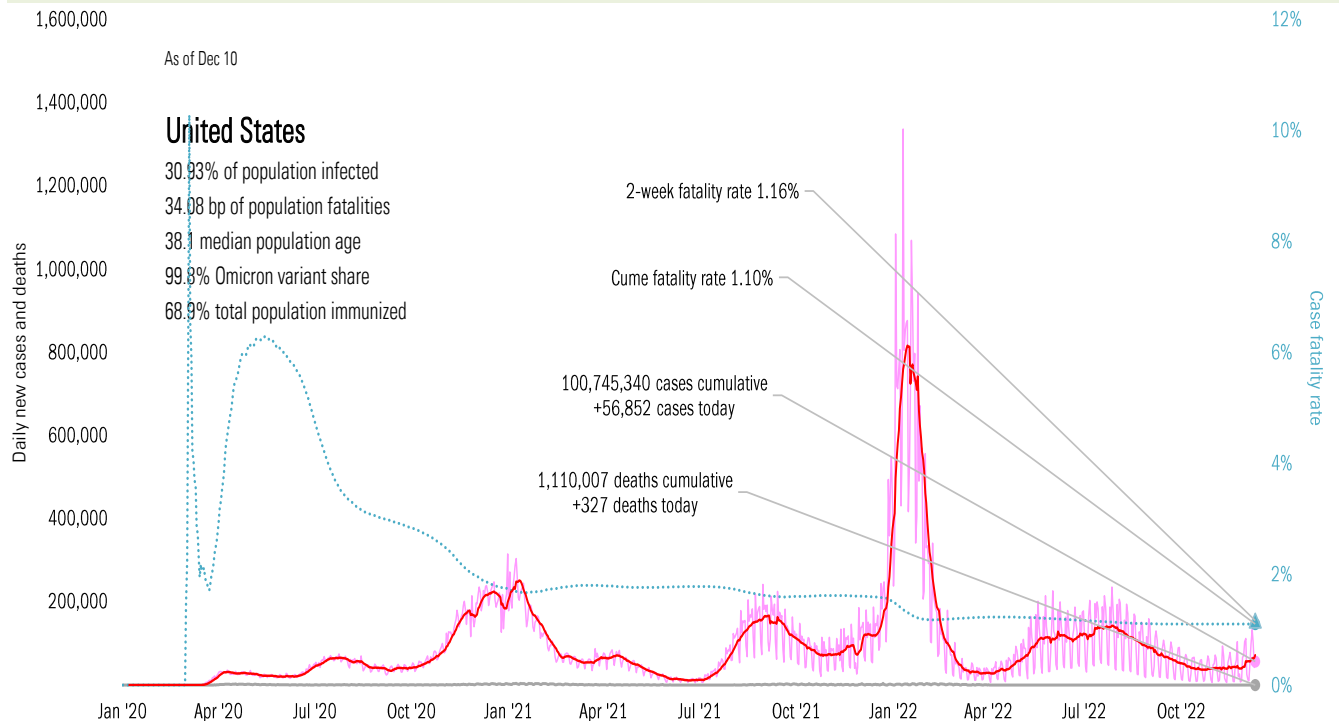
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	6,472		MI	35		TX	388		CA	11,623,042		CA	97,834		TX	559,754		RI	92%	TX	89%
FL	4,419		NY	31		NY	457		TX	8,135,739		TX	91,514		CA	527,225		WA	89%	NH	89%
IL	3,467		ND	25		GA	142		FL	7,270,410		FL	83,201		FL	506,779		MA	88%	MA	87%
NJ	2,941		NJ	22		CH	243		NY	6,443,728		NY	74,283		NY	325,353		MO	87%	NC	87%
NY	2,894		PA	20		IL	249		IL	3,906,801		PA	48,527		GA	231,273		NH	86%	RI	85%
TX	2,309		WA	18		AL	71		PA	3,374,733		GA	41,172		CH	230,440		MN	86%	AL	85%
CH	2,294		CA	17		NV	47		NC	3,286,948		CH	40,644		PA	216,078		WV	86%	WV	85%
AZ	2,283		VA	17		VI	97		CH	3,259,911		IL	40,406		IL	198,781		CR	86%	CK	85%
VA	1,877		FL	15		MT	24		GA	2,953,341		MI	40,327		MI	171,787		MD	85%	NM	84%
PA	1,870		GA	15		TN	95		MI	2,950,361		NJ	35,235		NJ	148,821		DC	85%	AK	84%
30,827			214			1,813			53,205,014			593,143			3,116,291						
All states	56,852			327			4,959		All states	100,745,340			1,110,007			5,661,807		All states	70%		67%
Top ten	54%			66%			37%		Top ten	53%			55%			55%		Median	80%		80%

Some states not reporting

Five most improved US states

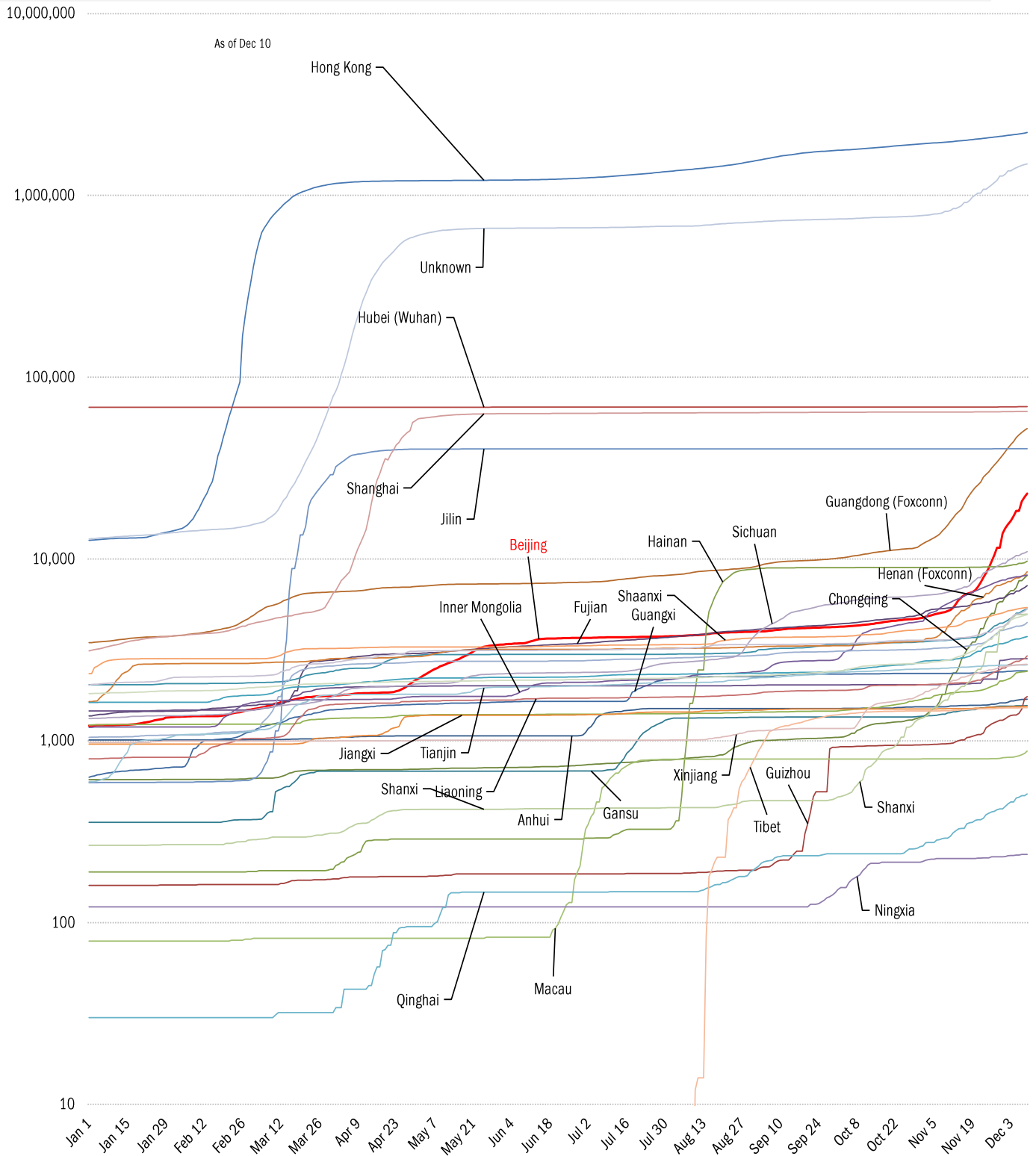
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-4,416	NC	-23	FL	-78
AR	-227	ME	-11	CA	-64
AK	0	MD	-8	NJ	-36
AL	0	NH	-3	WA	-36
AZ	0	AR	-2	MI	-26



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"

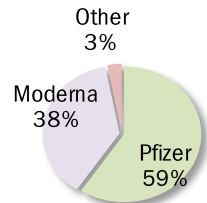


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	674,343,860		+0.193 million		US	68.9%	80.6%	
			Of which boosters: +0.168 million		UK	75.2%	79.7%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%	80.5%
Total population	276,021,875	83%	235,392,888	70%	+0.017 million	Spain	85.5%	86.9%
Age 12 to 17	18,376,705	73%	15,735,507	62%	+0.001 million	Germany	76.2%	77.8%
Age 18 to 64	183,614,597	90%	156,164,584	77%	+0.009 million	Italy	81.3%	86.2%
Age 65 and over	60,829,321	100%	53,278,288	97%	+0.004 million	Australia	82.7%	84.9%
						Israel	65.2%	71.1%
						Canada	82.5%	89.6%
						Japan	83.1%	84.3%
						Africa	26.0%	32.0%
						India	67.1%	72.5%
						Brazil	80.9%	87.4%
						China	89.3%	91.5%



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

AK	72.6%
	64.8%

Immunity = two doses

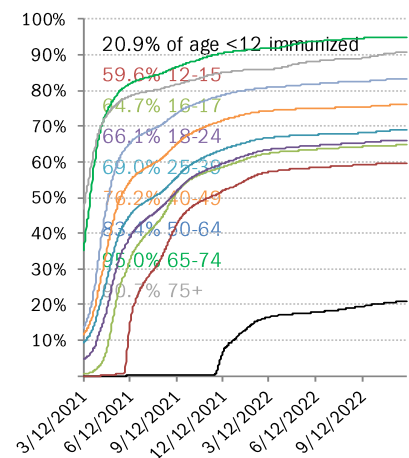
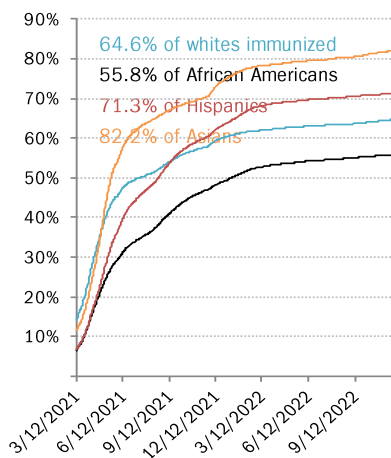
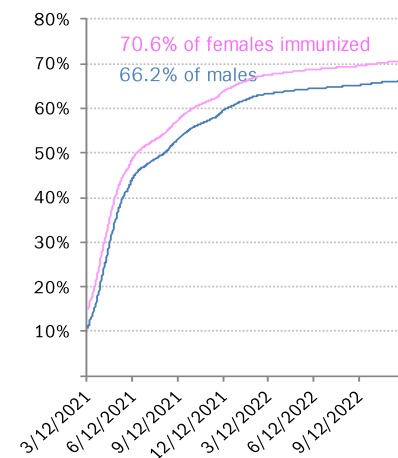
WI	74.7%
	67.8%

As of Dec 9

ME	95.0%
	82.8%

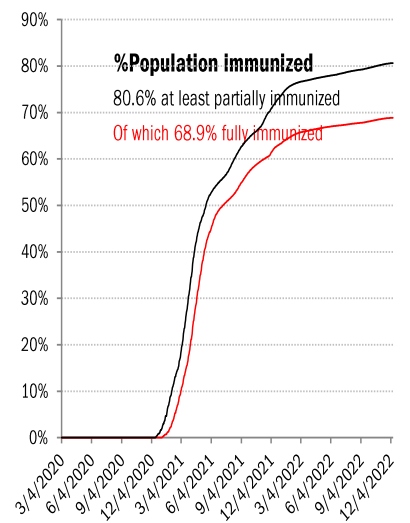
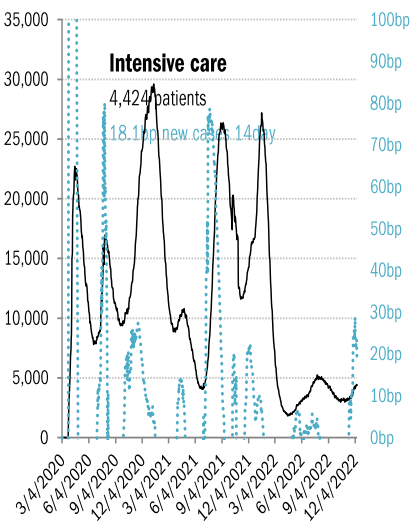
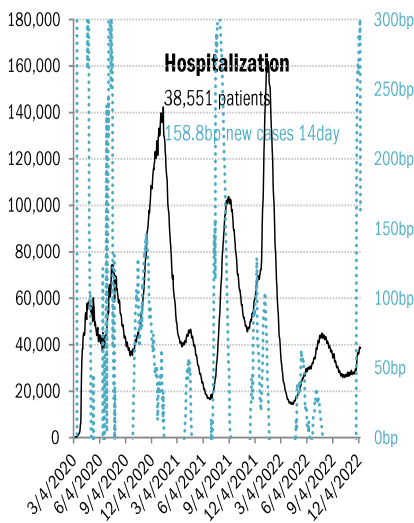
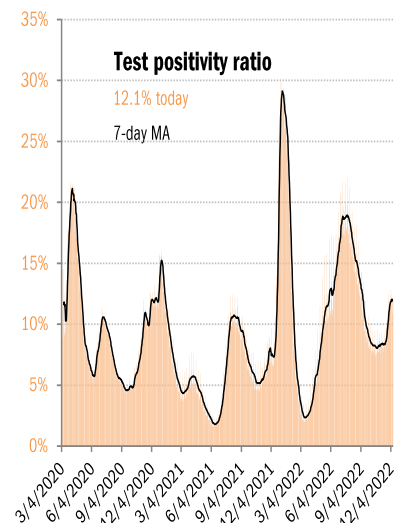
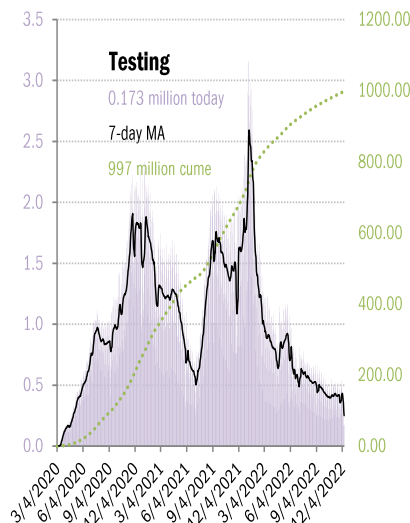
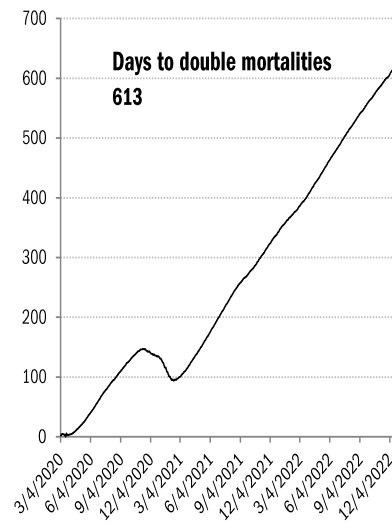
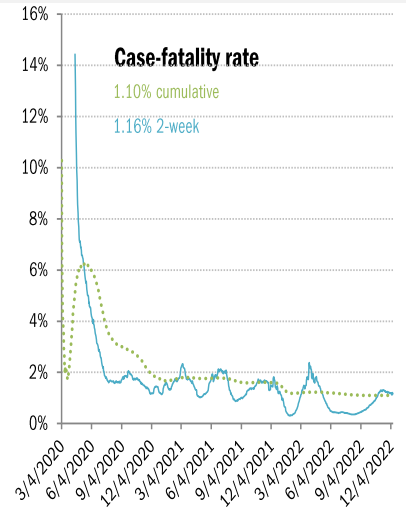
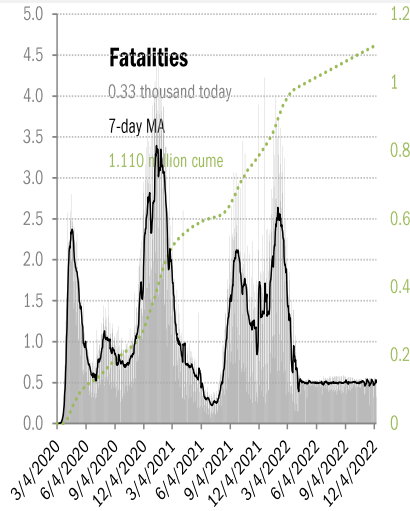
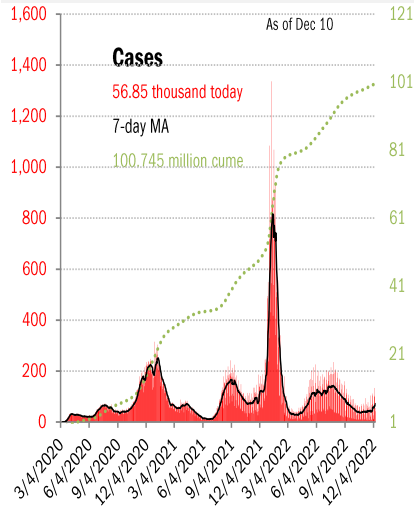
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
84.6%	63.6%	67.9%	68.9%	78.3%	78.8%	69.1%		93.8%	95.0%	87.2%
75.6%	56.2%	58.9%	58.3%	71.7%	70.9%	62.1%		80.2%	85.0%	71.3%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.0%	78.3%	60.5%	83.1%	70.3%	64.0%	65.4%	89.8%	94.0%	95.0%	
71.9%	63.1%	52.8%	65.8%	64.0%	57.5%	60.2%	72.7%	78.6%	83.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.1%	74.8%	83.2%	73.0%	68.9%	68.5%	67.2%	90.3%	91.0%	95.0%	95.0%
74.2%	66.3%	73.1%	65.9%	58.7%	59.3%	59.5%	76.1%	79.2%	82.6%	87.1%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	76.8%	93.4%	75.7%	69.5%	64.2%	91.1%	70.6%	95.0%	86.7%	
	65.6%	74.7%	64.8%	56.6%	56.1%	66.4%	59.6%	84.8%	72.0%	
			OK	LA	MS	AL	GA			
			74.2%	62.6%	61.4%	64.7%	67.9%			
			60.1%	54.8%	53.5%	52.9%	56.9%			
			TX					FL		PR
			75.8%					82.0%		95.0%
			62.9%					69.1%		86.7%

The demographics of US vaccination

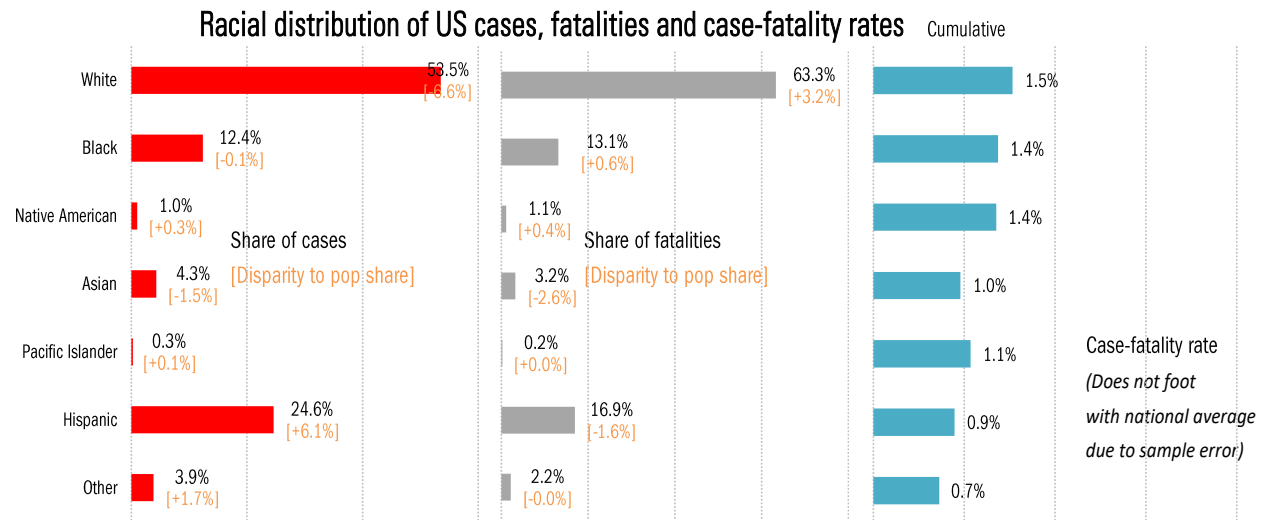
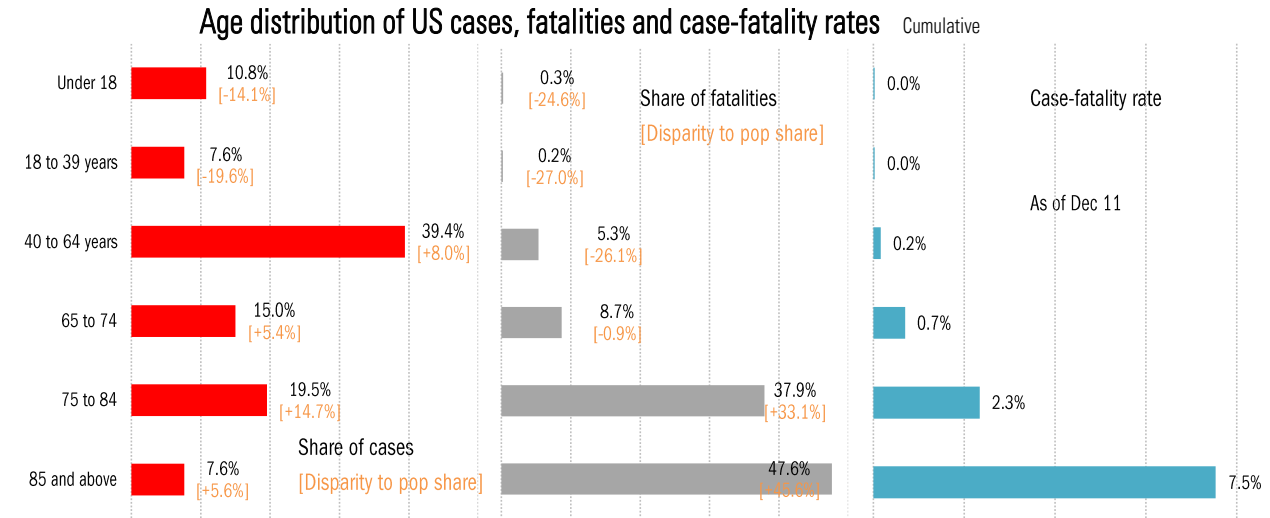


Source: CDC, CDC, Our World in Data, TrendMacro calculations

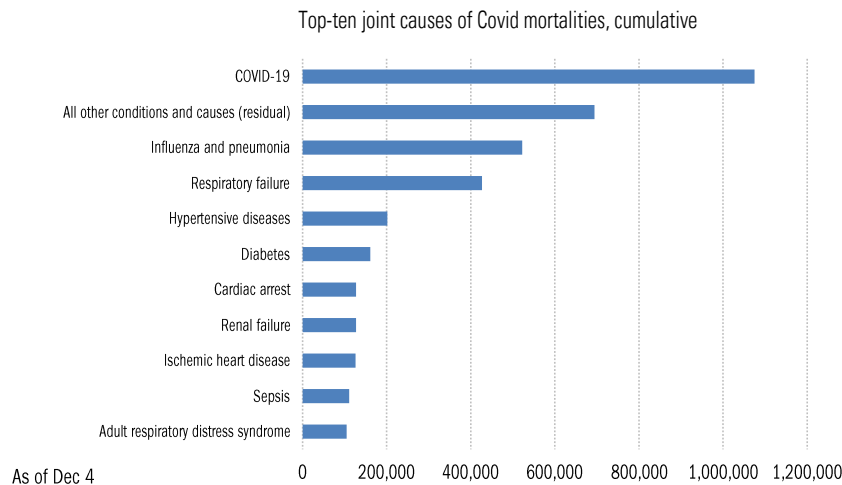
US deep-dive



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

[Preparing For And Preventing The Next Public Health Emergency: Lessons Learned From The Coronavirus Crisis](#)

House Select Subcommittee on the Coronavirus Crisis
December 9, 2022

[Select Subcommittee Releases Final Report, Culminating More Than Two Years Of Investigations Related To The Nation's Response To The Coronavirus Crisis](#)

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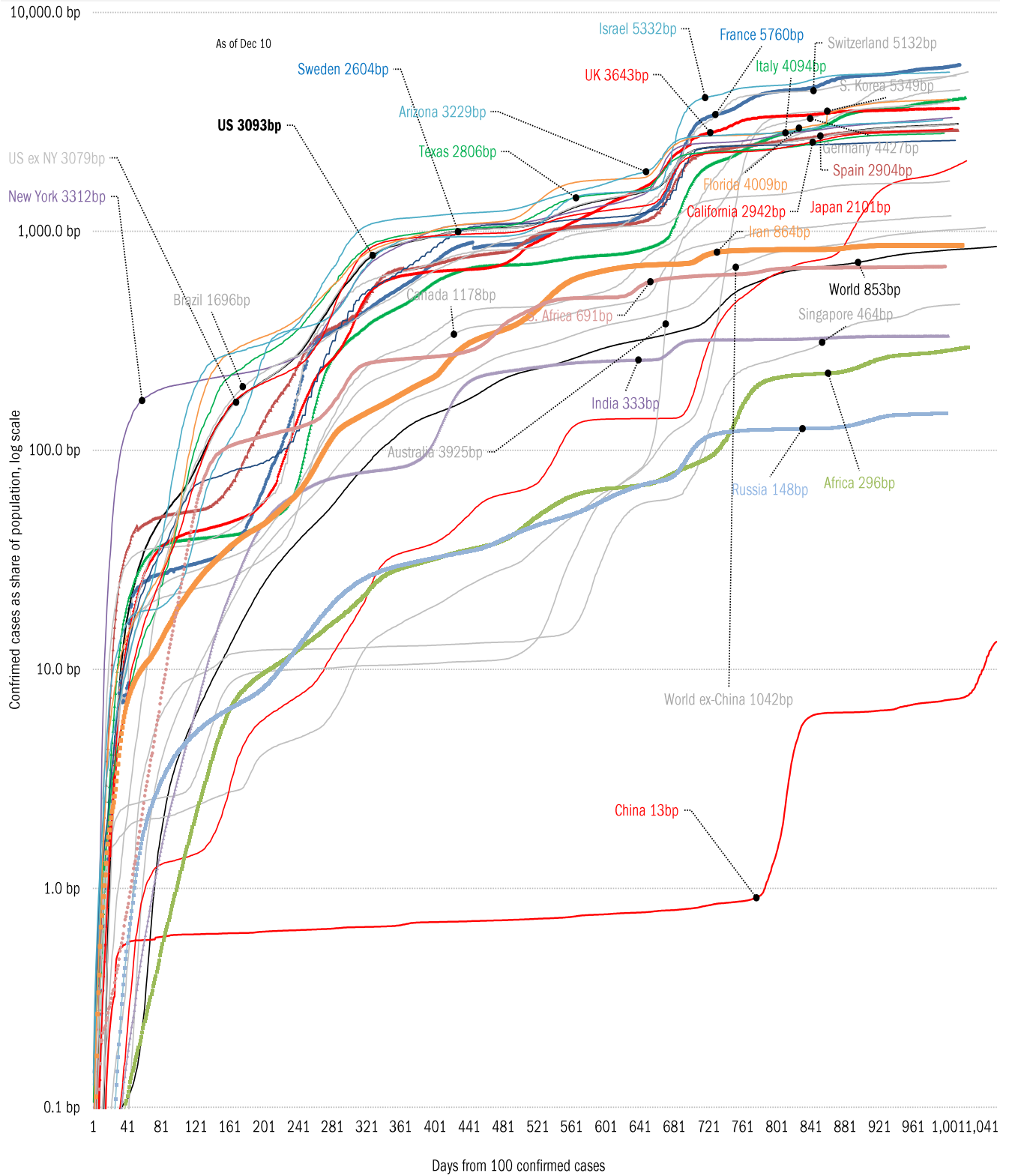
Meme of the Day



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

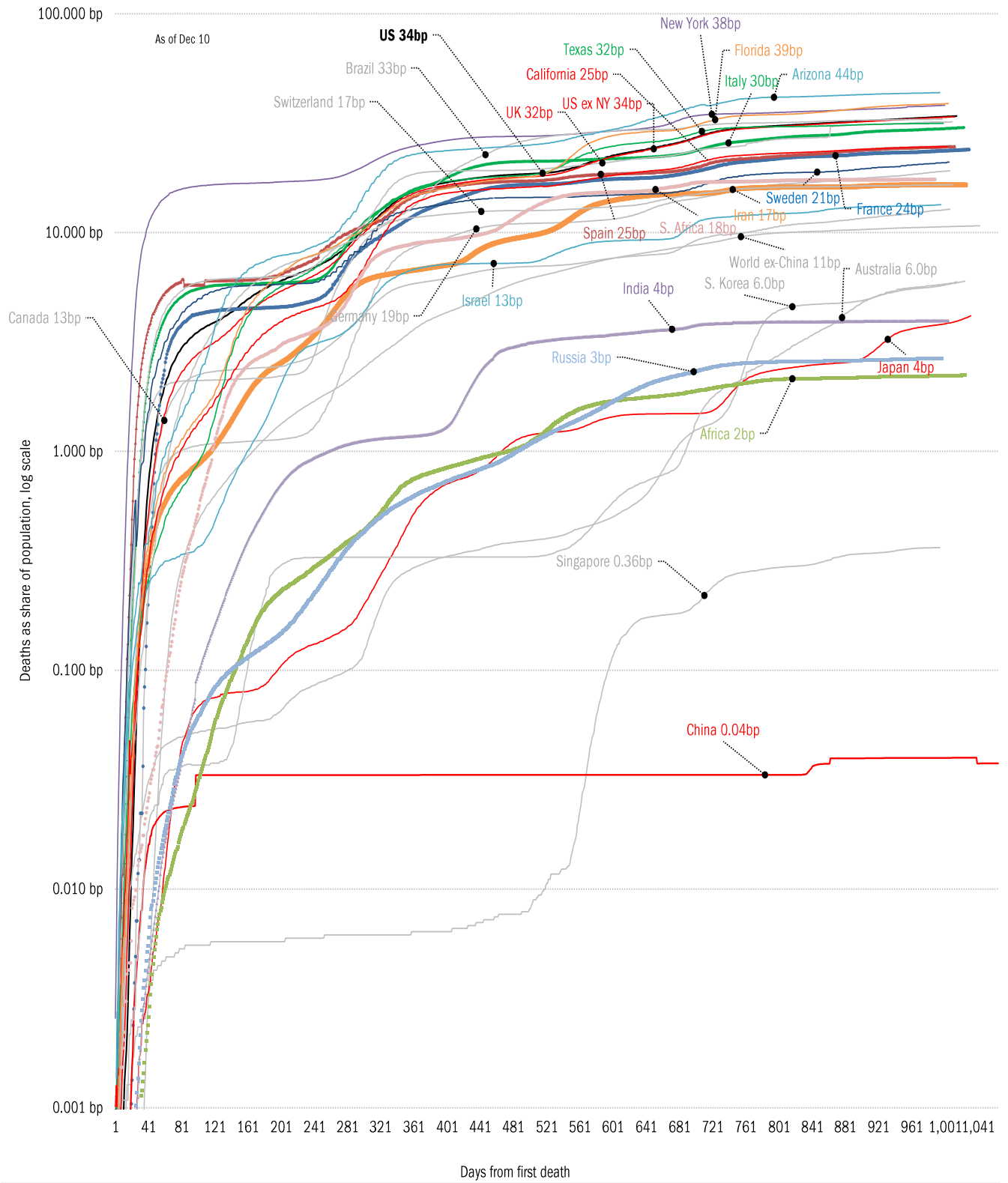
The global coronavirus case accelerometer... tracking the world's infection curves

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

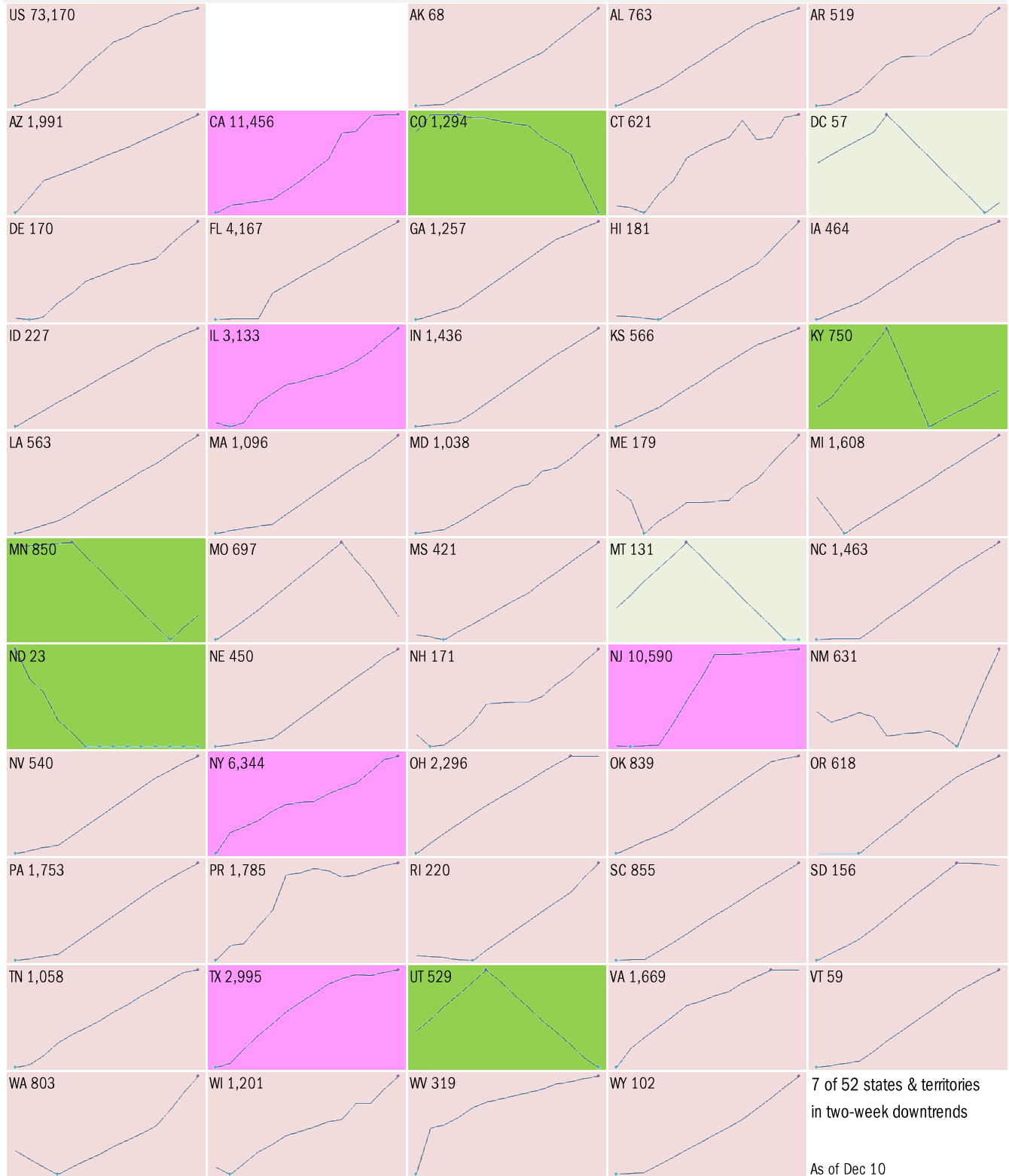


Source: [Johns Hopkins](#), TrendMacro calculations

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

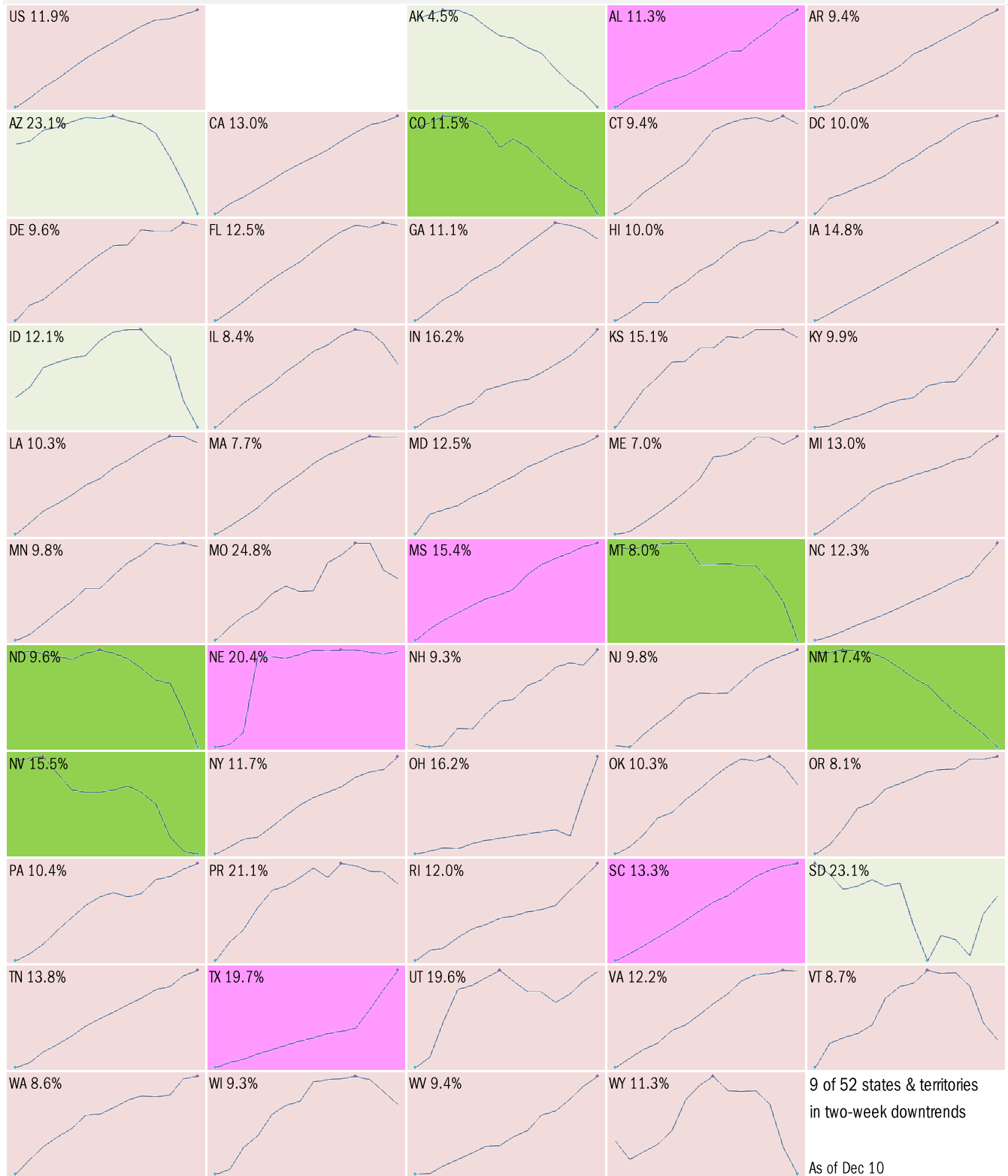


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

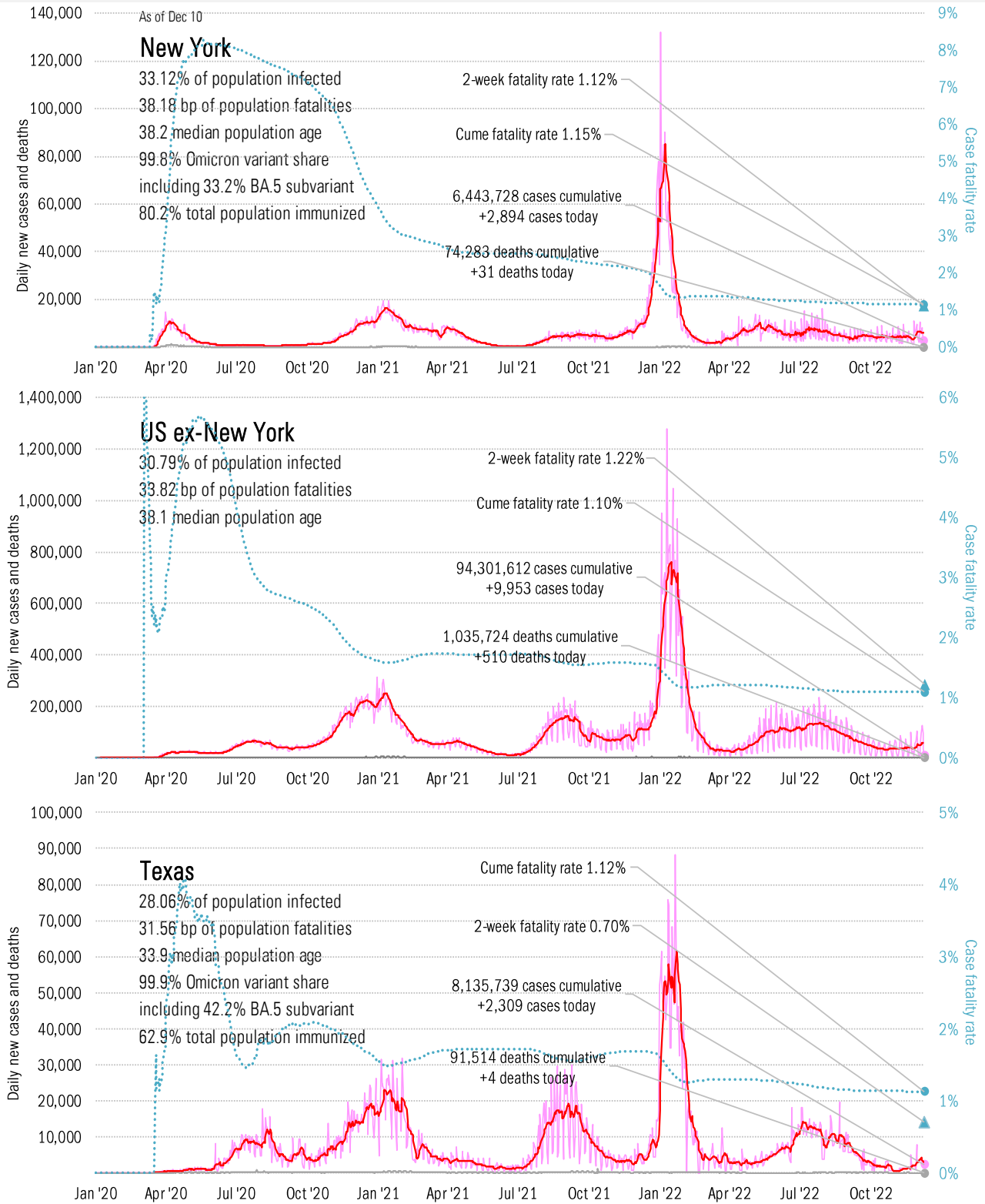
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

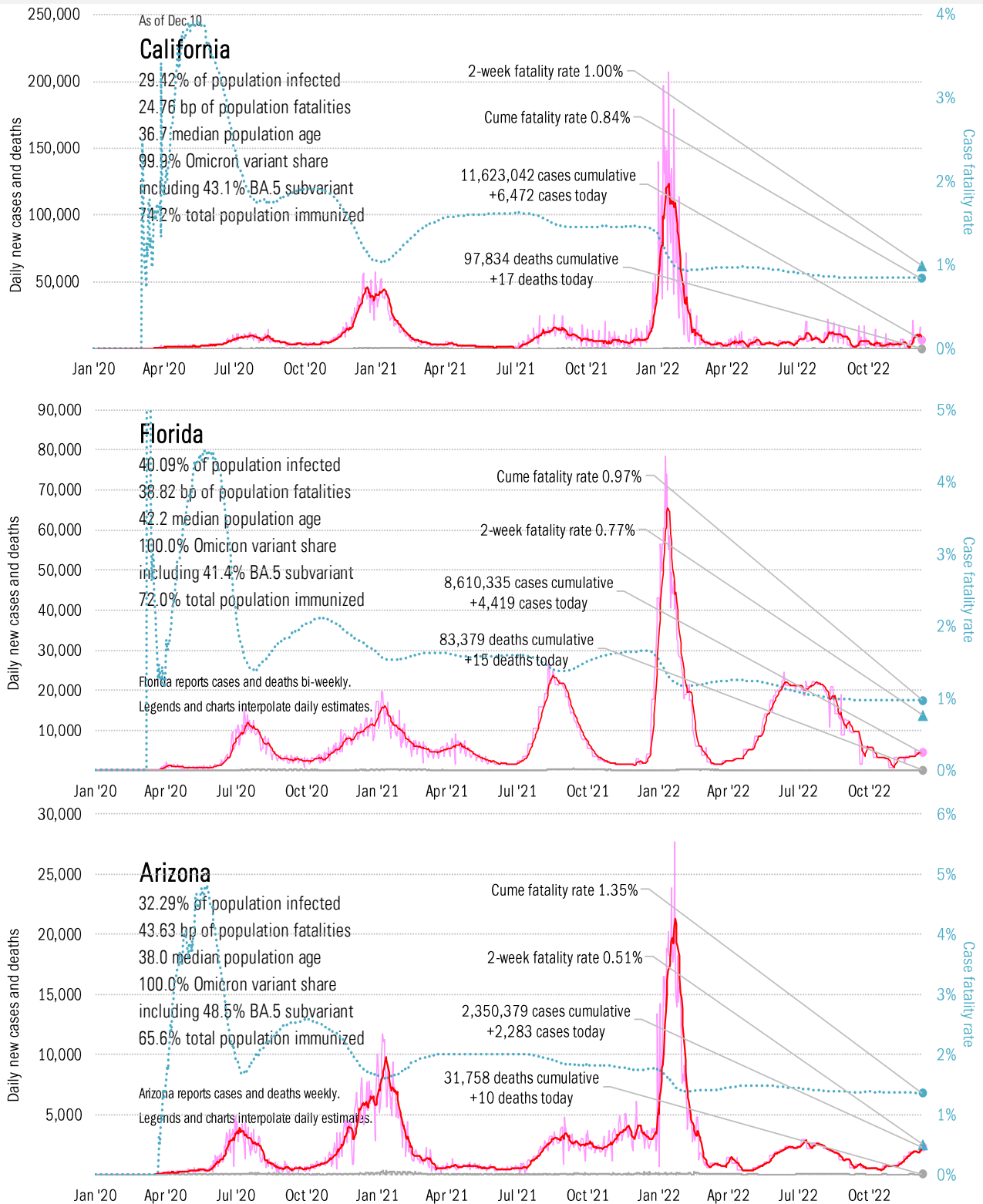
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

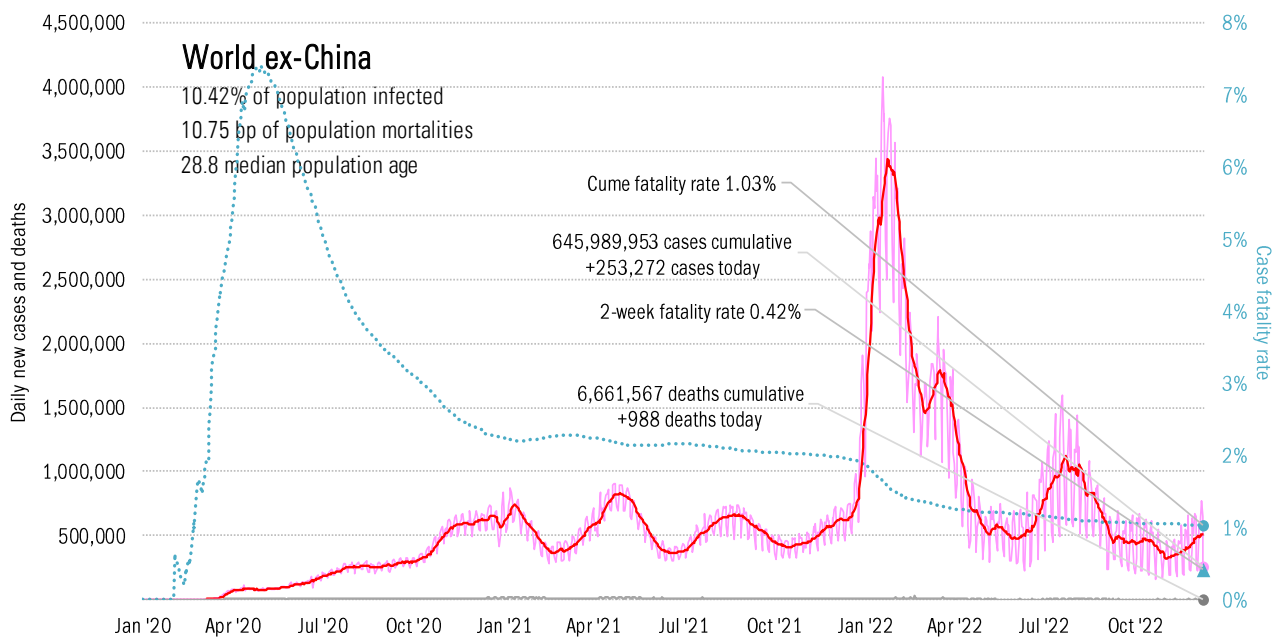
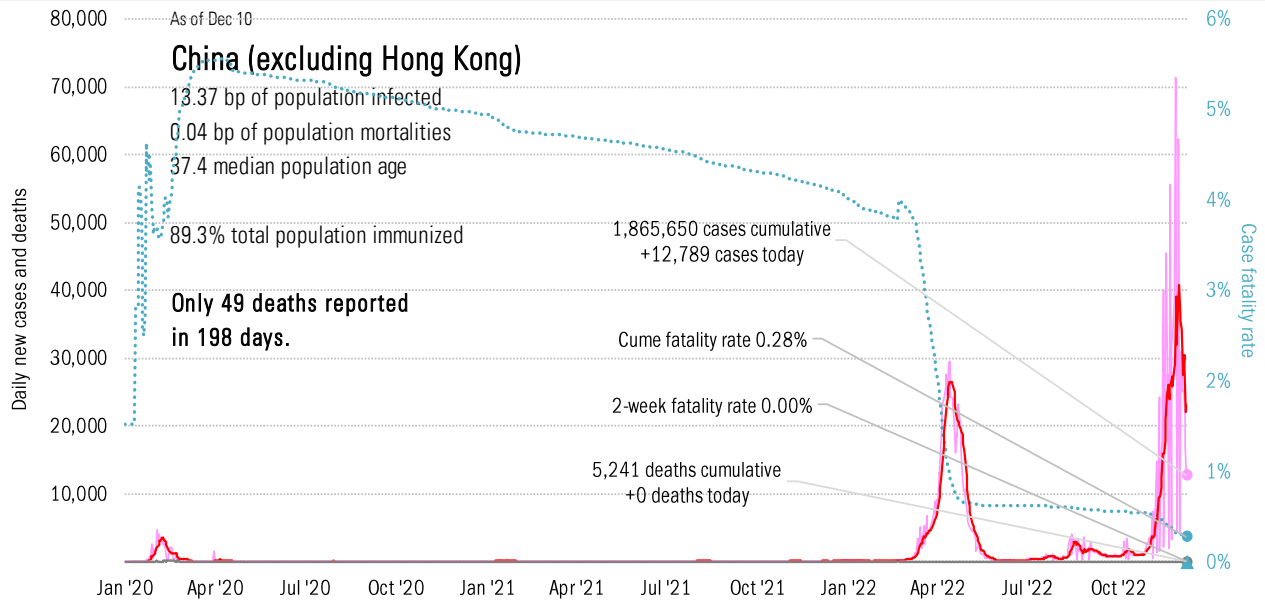
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

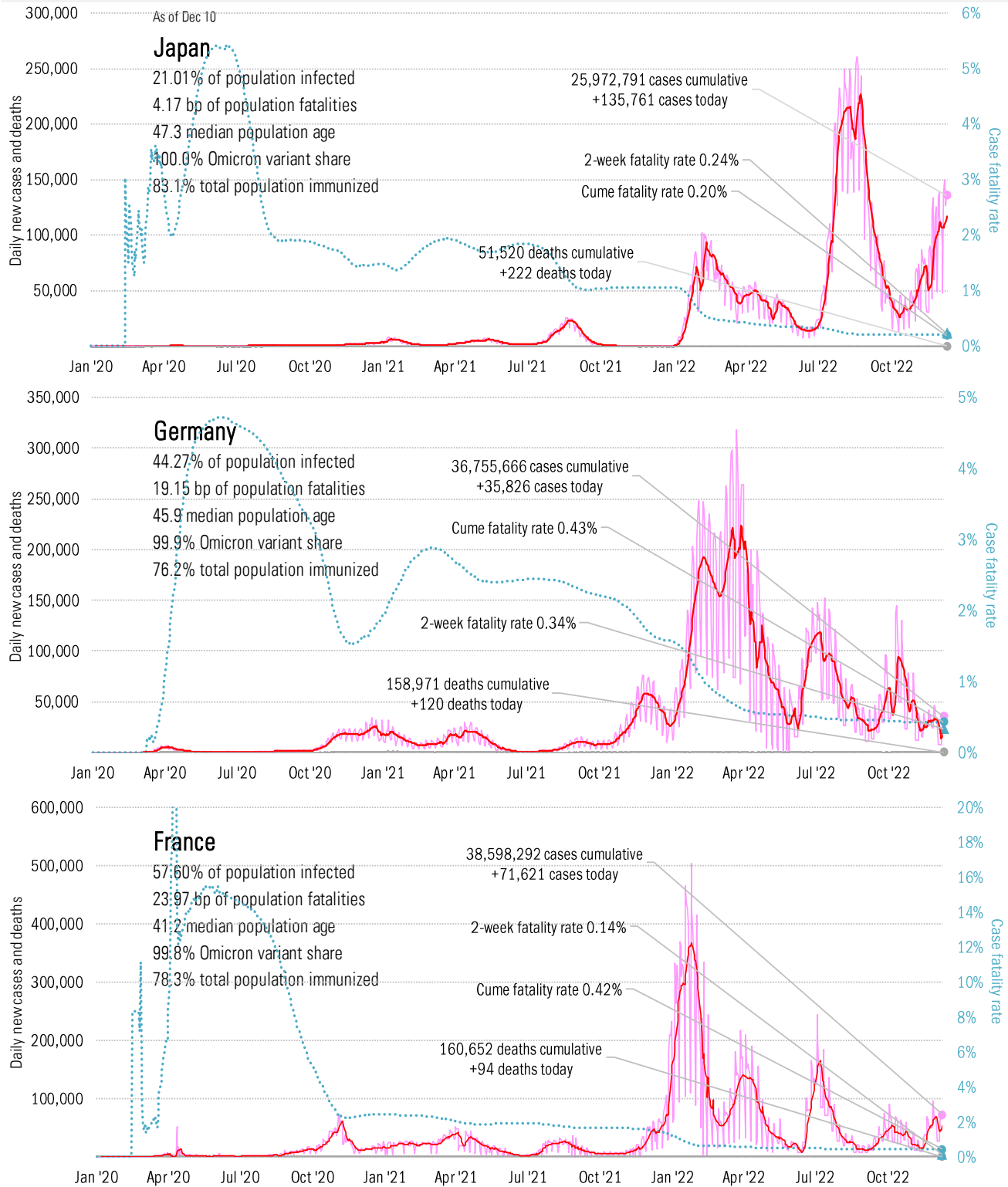
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

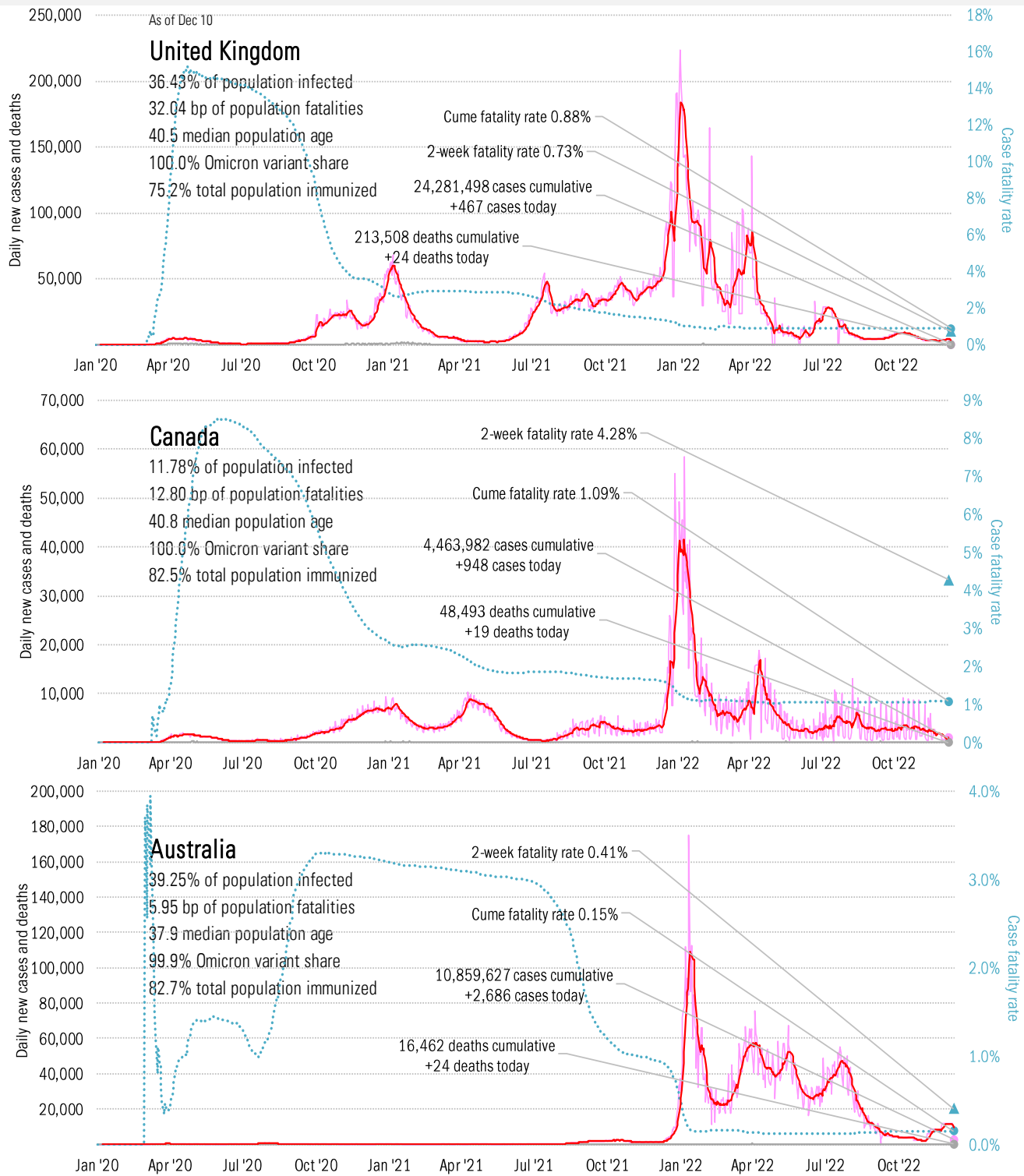
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

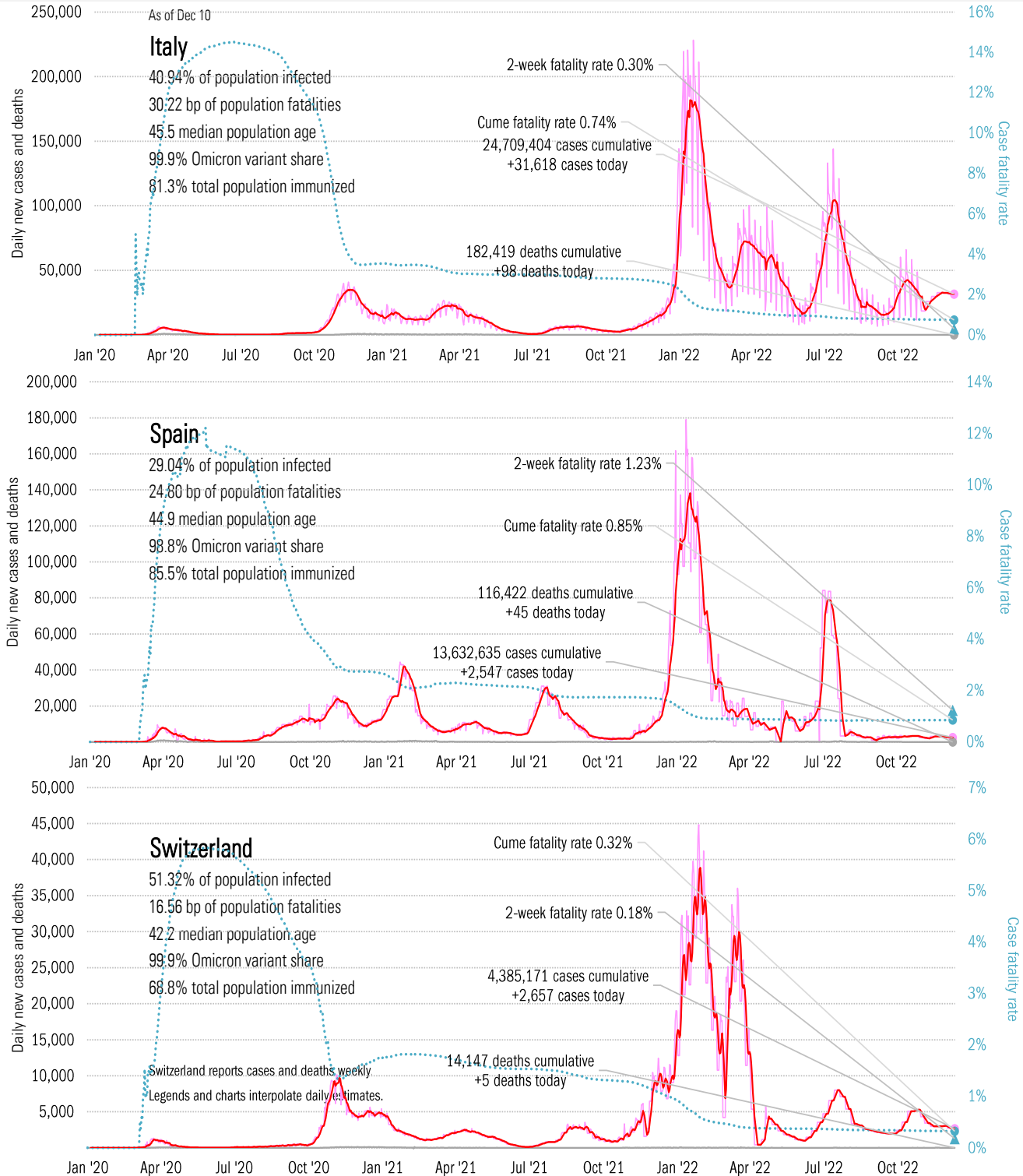
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

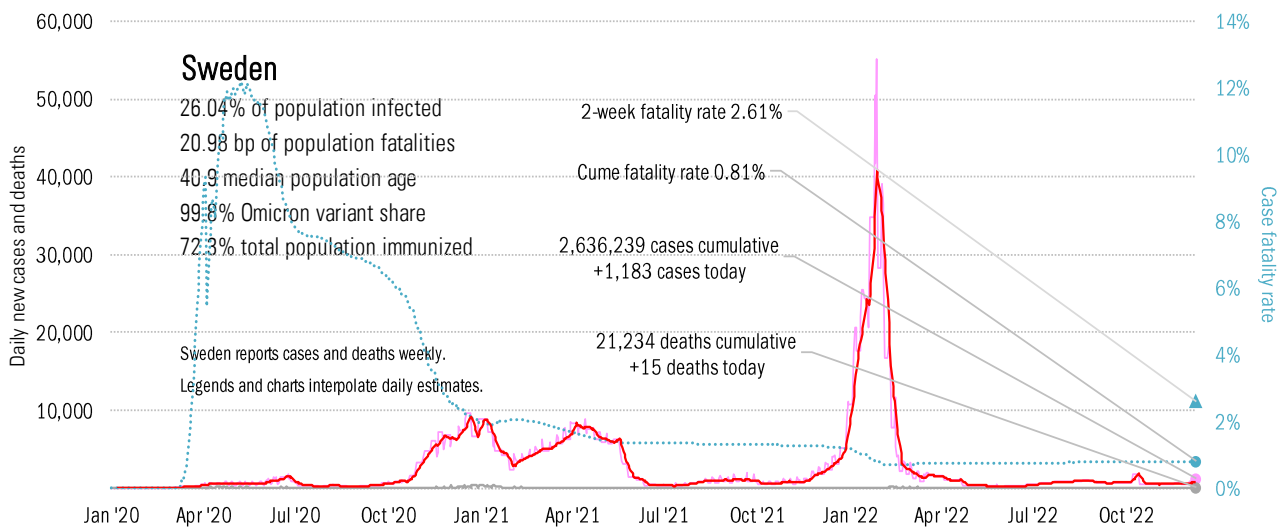
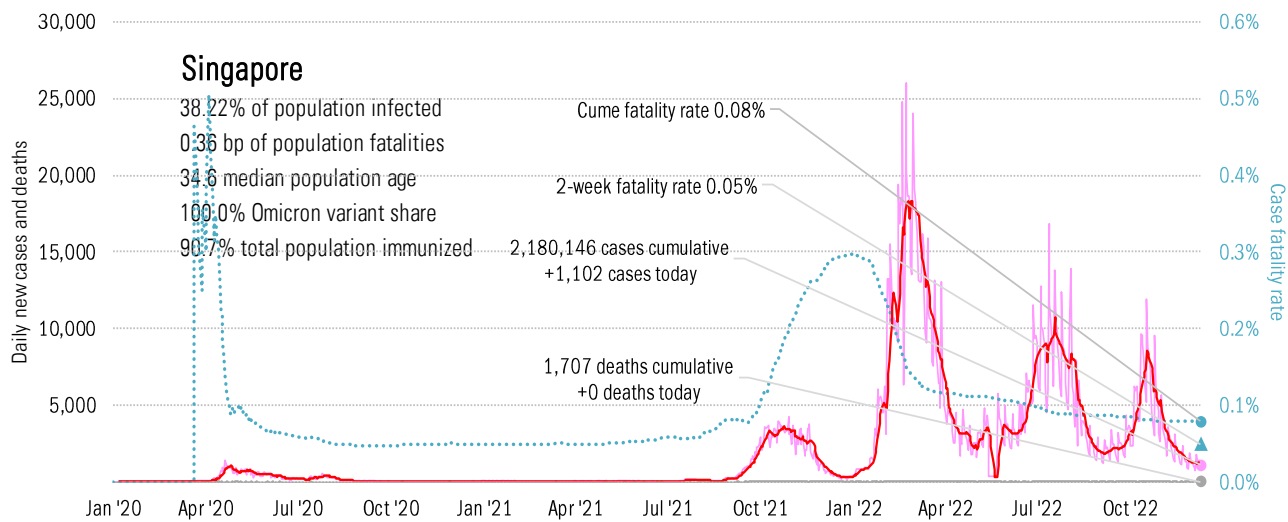
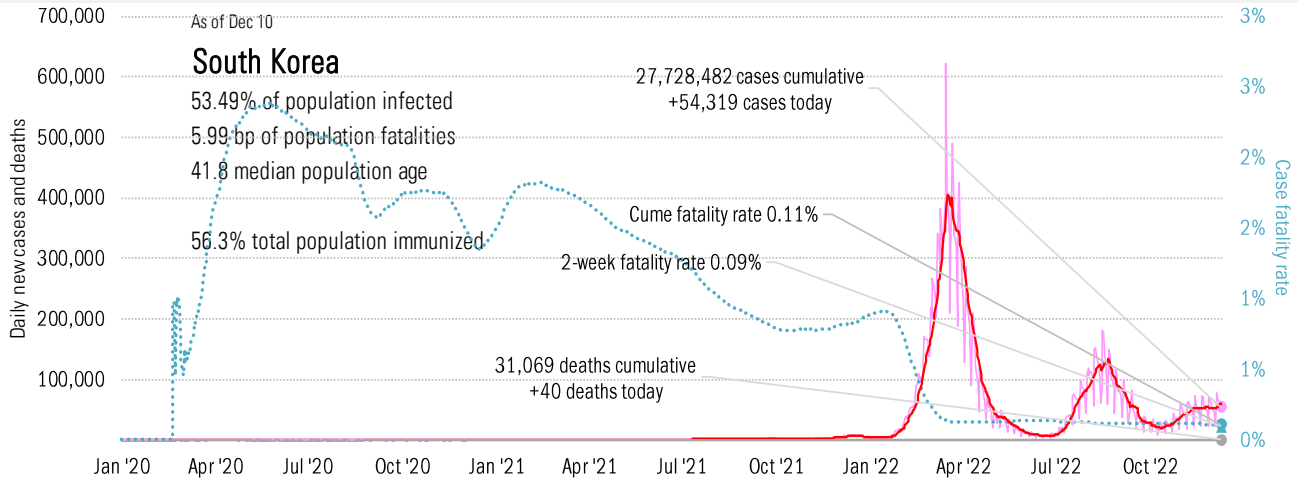
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

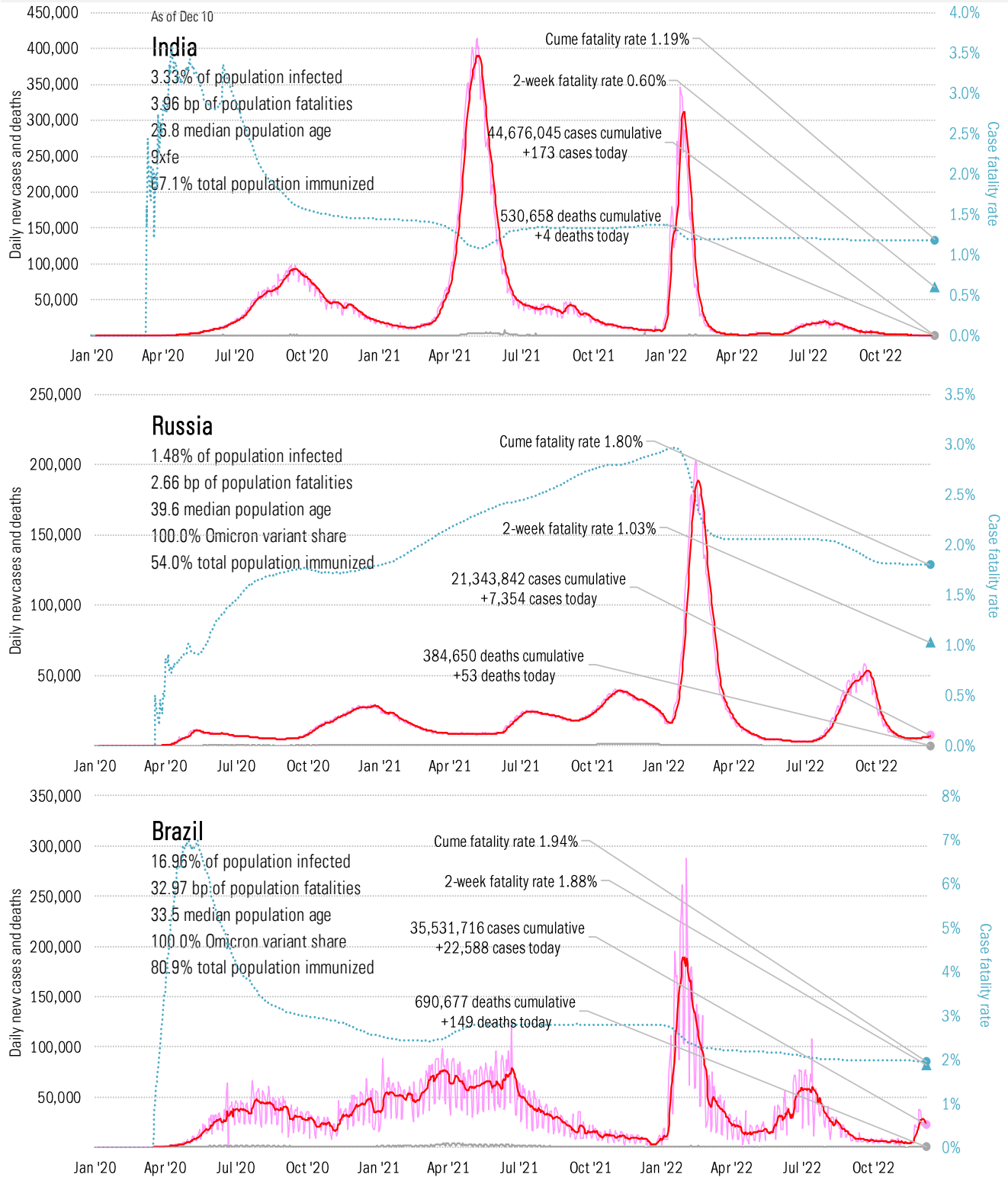
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

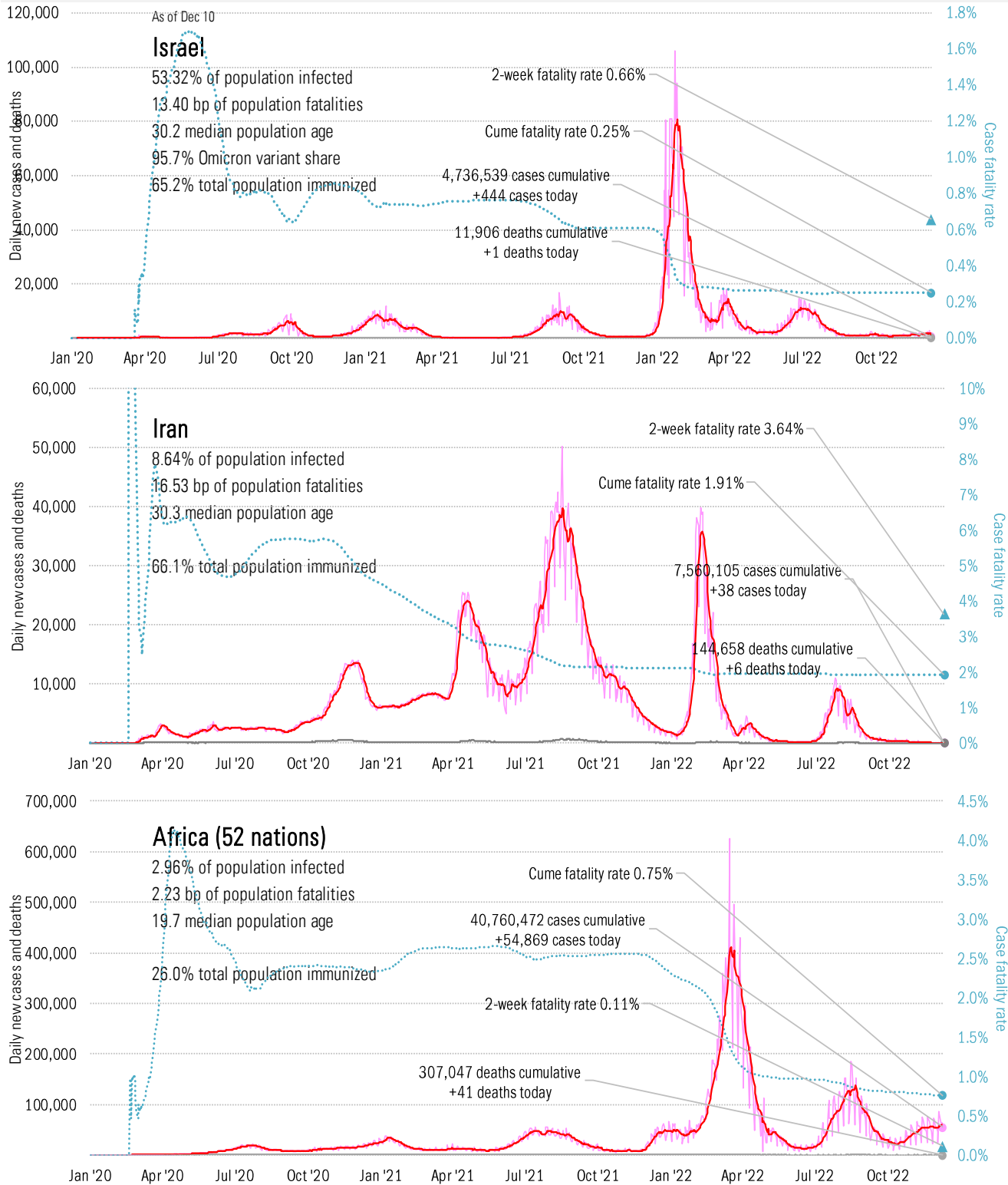
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

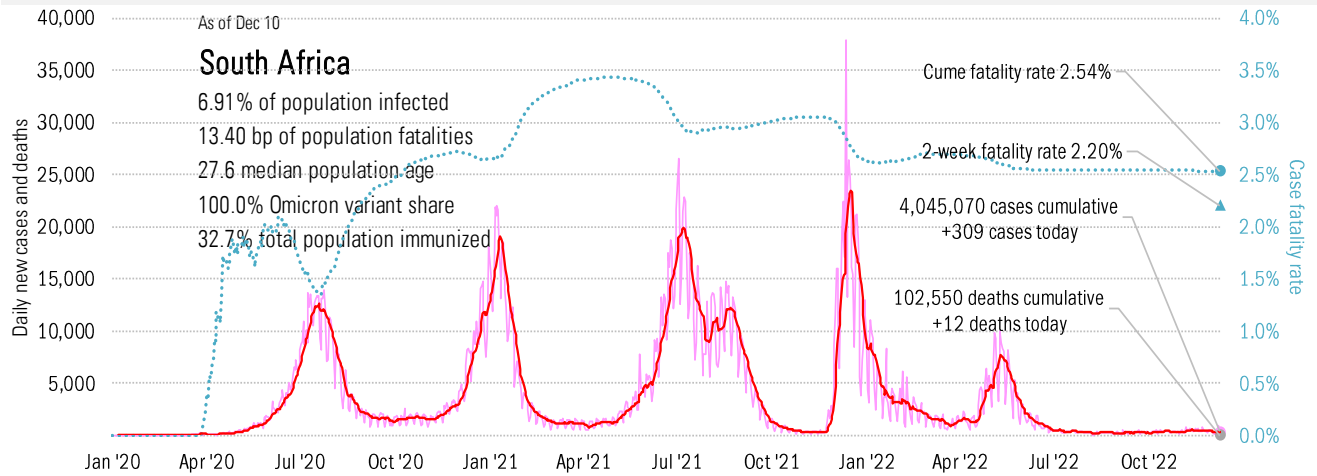
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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