

Data Insights: Covid-2019 Monitor

Saturday, December 17, 2022

The global scorecard

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

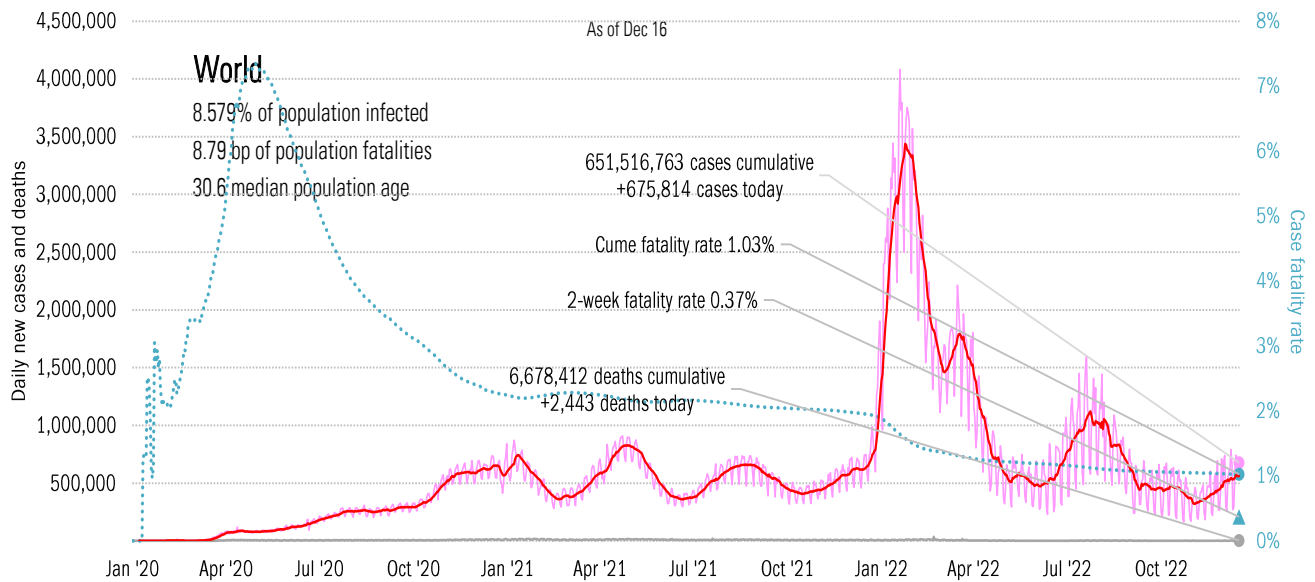
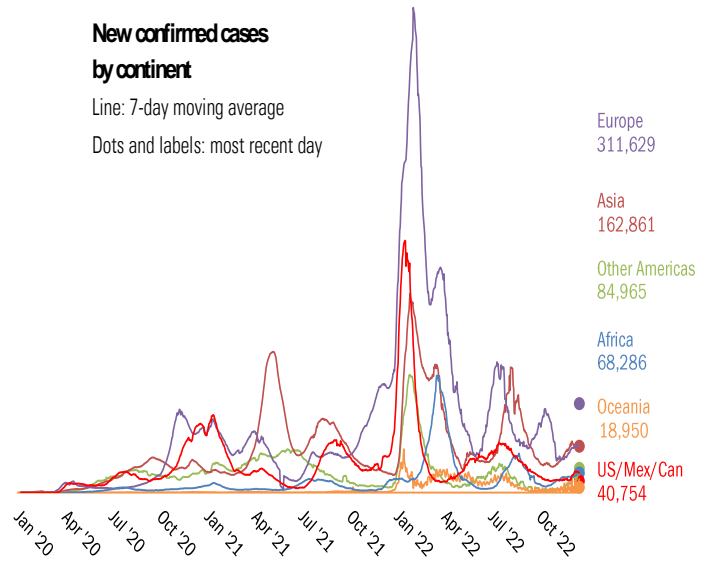
The worst ten countries

New cases		New Deaths	
Japan	153,602	United States	344
Korea, South	66,752	Japan	259
United States	59,784	Brazil	158
Brazil	59,694	Germany	147
France	56,429	France	131
Germany	34,308	Italy	103
Italy	24,947	Norway	73
Australia	18,931	Russia	58
Russia	8,376	Korea, South	55
China	7,236	Australia	41
490,060		1,369	
World	675,814	World	2,443
Top ten	73%	Top ten	56%

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

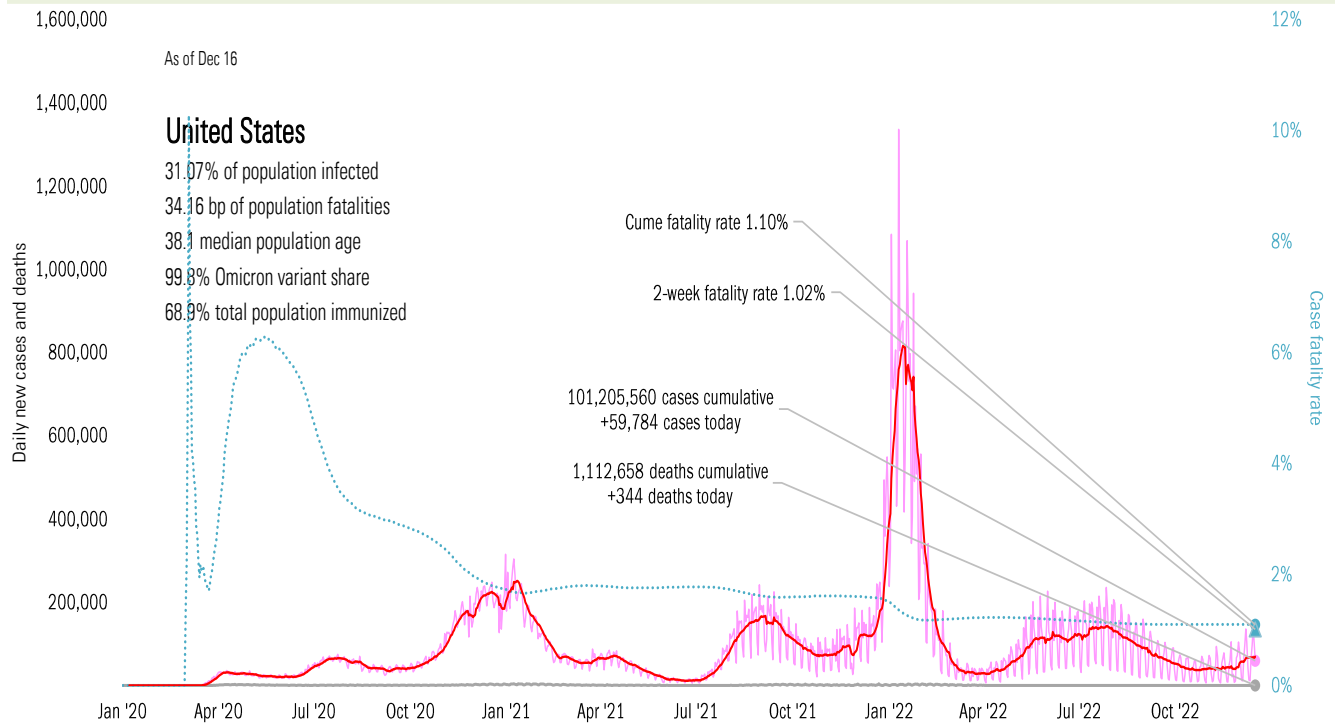
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
NY	7,733		FL	58		CA	754		CA	11,691,135		CA	98,049		TX	561,928		RI	90%	NH	90%
FL	6,079		MI	26		NY	558		TX	8,165,296		TX	91,598		CA	531,531		NV	89%	TX	88%
CA	5,348		IL	25		FL	294		FL	7,312,963		FL	83,606		FL	508,563		MA	88%	MA	88%
NJ	2,876		CO	22		TX	403		NY	6,486,234		NY	74,530		NY	328,248		WA	87%	RI	88%
IL	2,573		NY	21		PA	239		IL	3,930,135		PA	48,662		GA	231,965		MO	87%	DC	87%
CH	2,388		CA	20		NJ	225		PA	3,388,571		GA	41,244		CH	231,808		MN	86%	NC	85%
VA	2,202		PA	19		MI	184		NC	3,300,138		CH	40,747		PA	217,372		NH	86%	AL	85%
NC	1,884		MA	16		GA	151		CH	3,276,630		MI	40,508		IL	200,351		DE	86%	MO	84%
PA	1,865		AZ	15		VA	148		MI	2,963,404		IL	40,502		MI	172,716		WV	85%	KY	84%
MI	1,863		TX	15		KY	84		GA	2,963,232		NJ	35,323		NJ	150,027		CR	84%	TN	83%
34,812			237			3,040			53,477,738			594,769			3,134,509			All states 70%		67%	
All states 59,784			344			5,642			All states 101,205,560			1,112,658			5,692,996			All states 70%		67%	
Top ten 58%			69%			54%			Top ten 54%			55%			55%			Median 79%		79%	

Some states not reporting

Five most improved US states

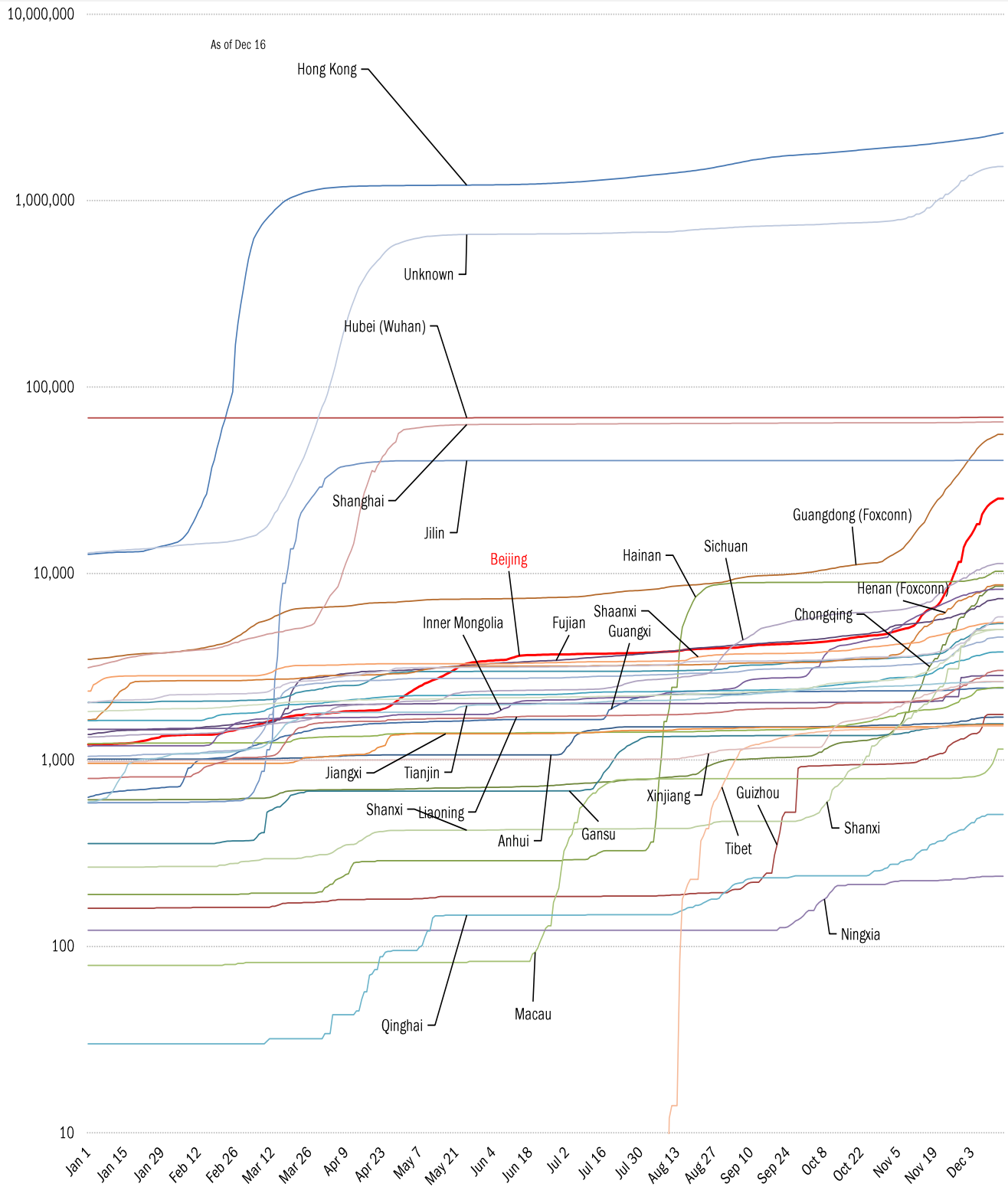
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-8,409	CA	-91	TN	-35
IL	-2,366	MN	-65	KS	-29
NY	-914	NY	-25	CH	-29
NJ	-485	WI	-13	NC	-28
AR	-261	IN	-10	LA	-21



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"

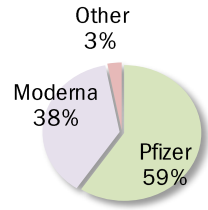


Source: [Johns Hopkins](#), TrendMacro calculations

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
At least partial immunity as % population
Full immunity as % population



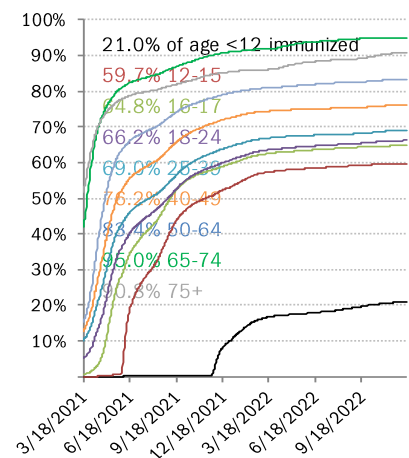
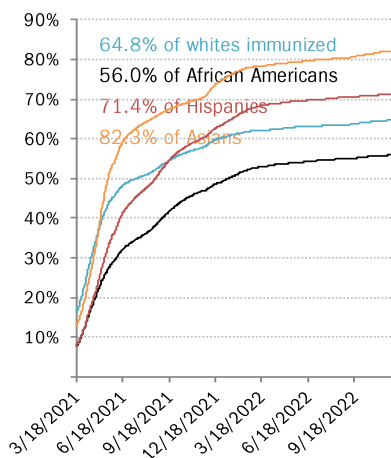
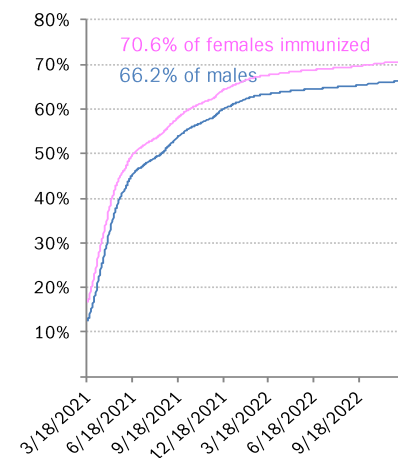
AK
72.7%
64.9%

"Immunity" = two doses

As of Dec 16

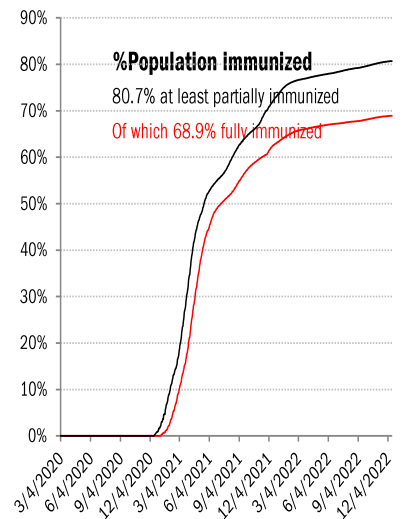
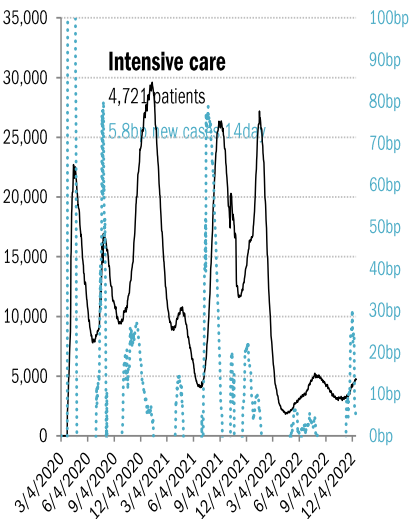
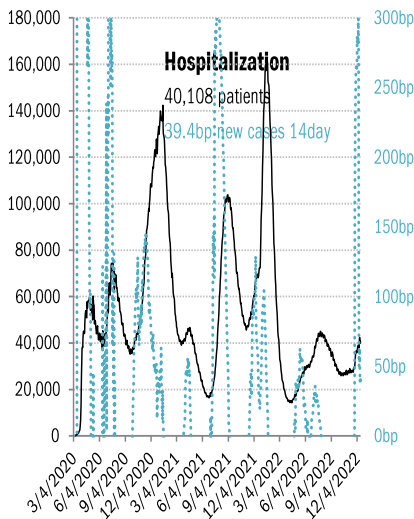
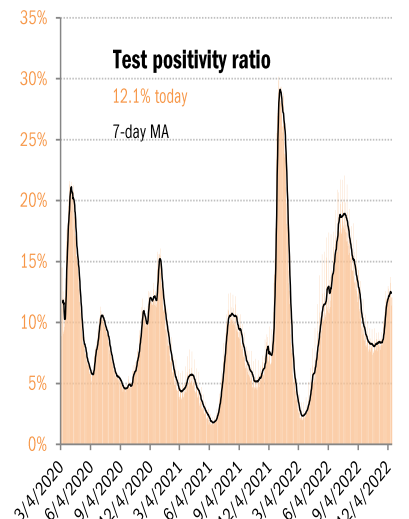
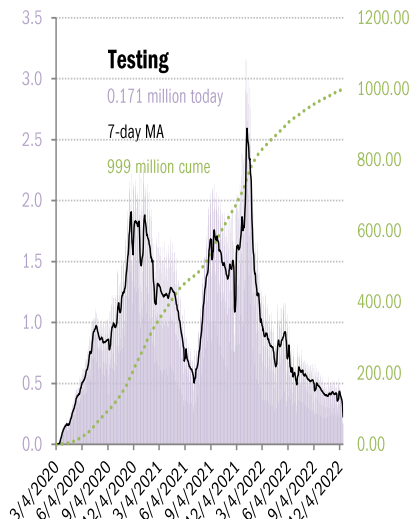
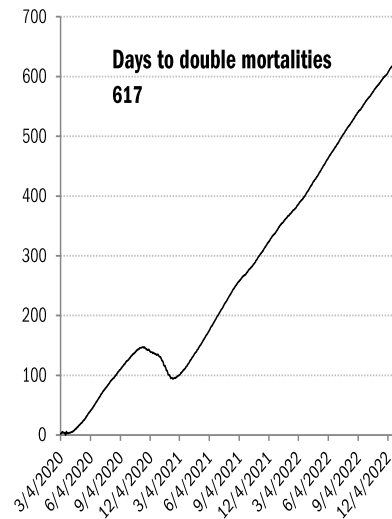
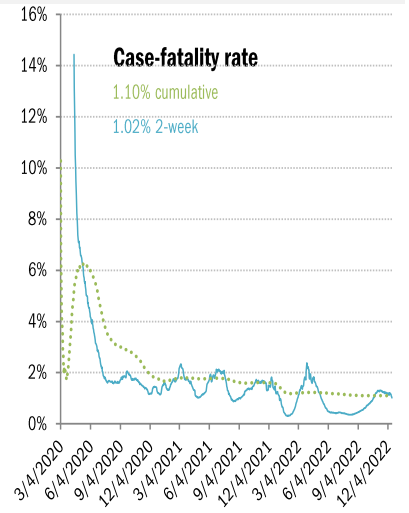
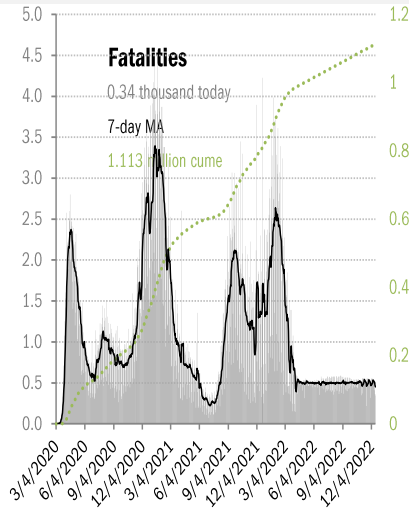
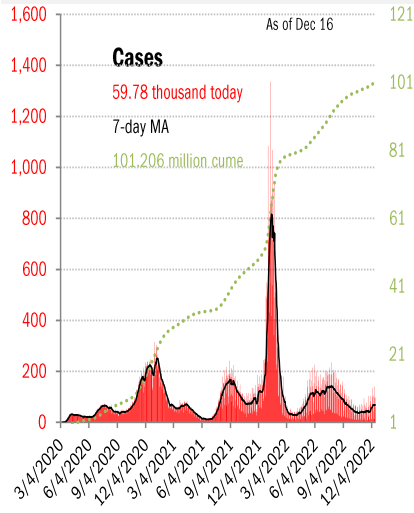
					WI						ME
					74.8%						95.0%
					67.9%						82.9%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
84.7%	63.6%	68.0%	69.0%	78.4%	78.8%	69.2%			93.9%	95.0%	87.3%
75.6%	56.2%	58.9%	58.3%	71.8%	71.0%	62.1%			80.3%	85.1%	71.4%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA	
81.1%	77.1%	60.6%	83.3%	70.3%	64.1%	65.4%	89.9%		94.1%	95.0%	
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%

The demographics of US vaccination

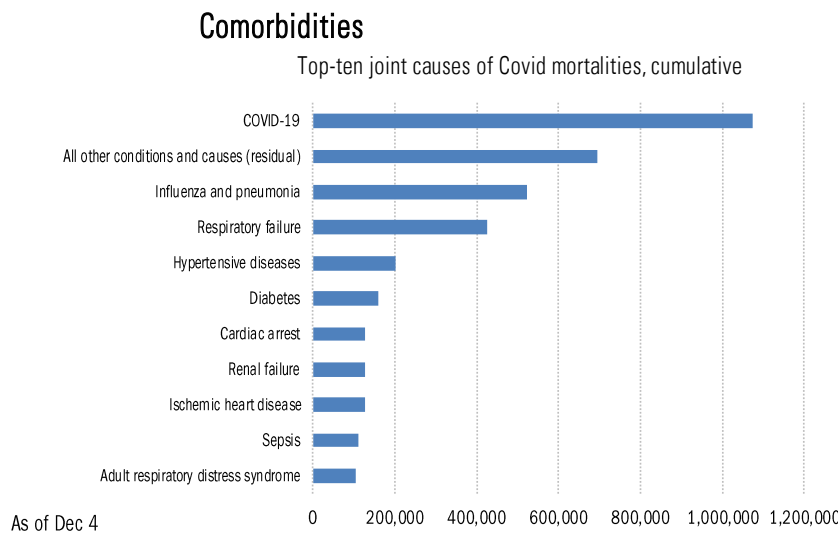
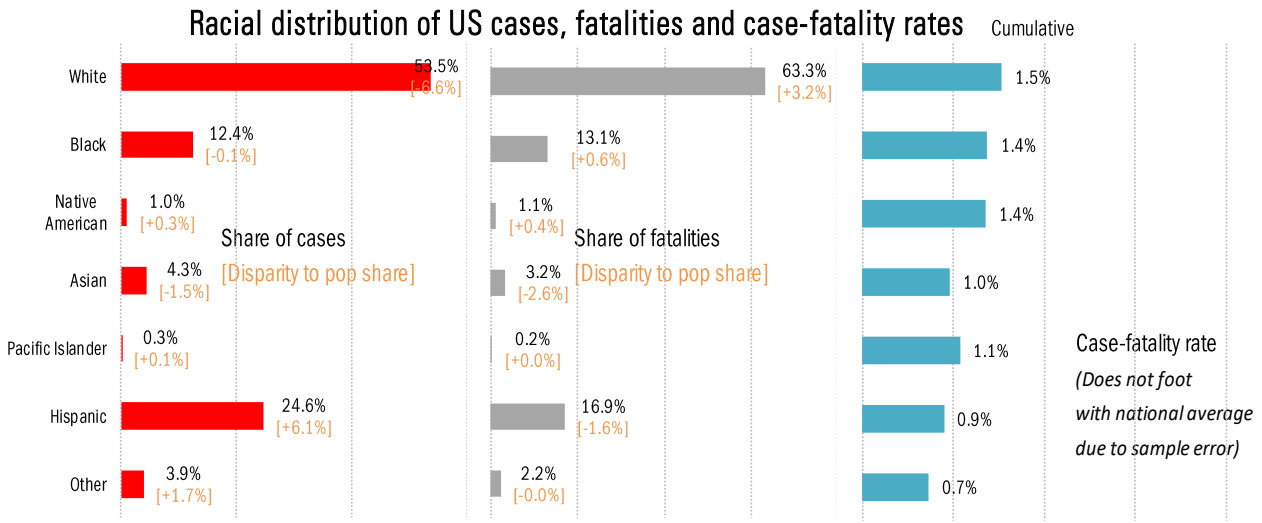
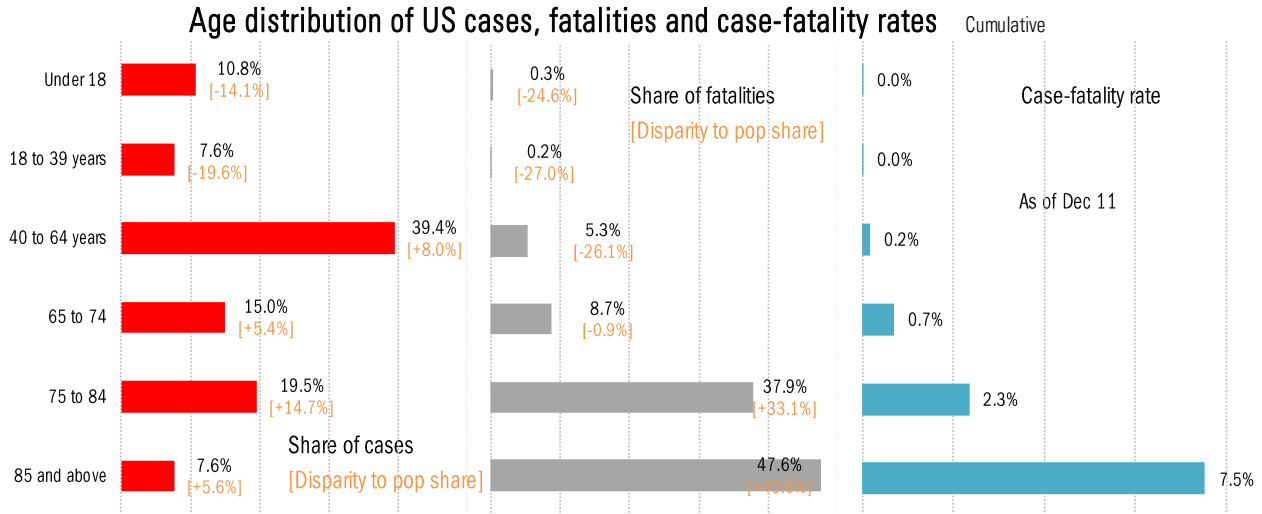


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

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

[Elon Musk, Dr. Fauci and the Next Pandemic](#)

Holman W. Jenkins, Jr.
Wall Street Journal
December 17, 2022

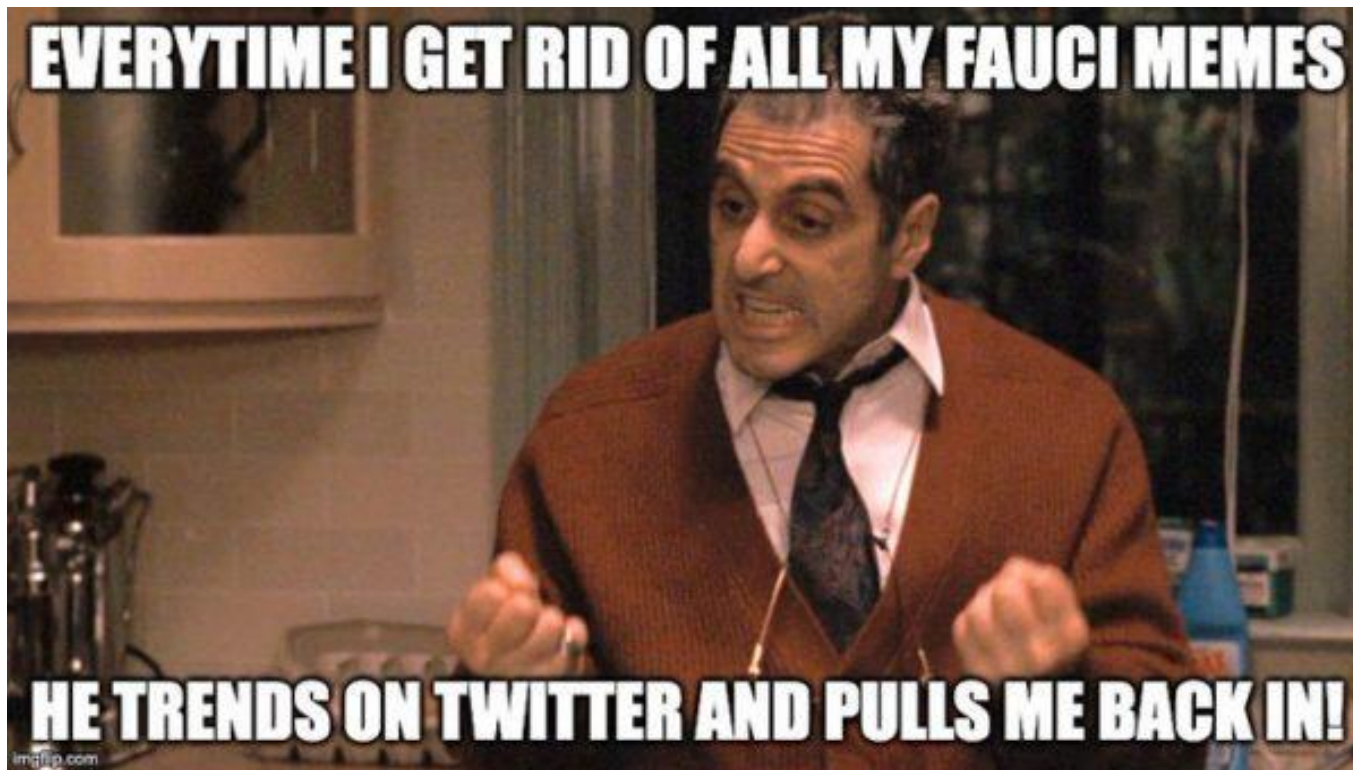
[Just How Bad Is the 'Tripledeemic'?](#)

Amy Schoenfeld Walker
New York Times
December 16, 2022

[I'm back on Twitter!](#)

Steve Kirsch
Steve Kirsch's Newsletter
December 16, 2022

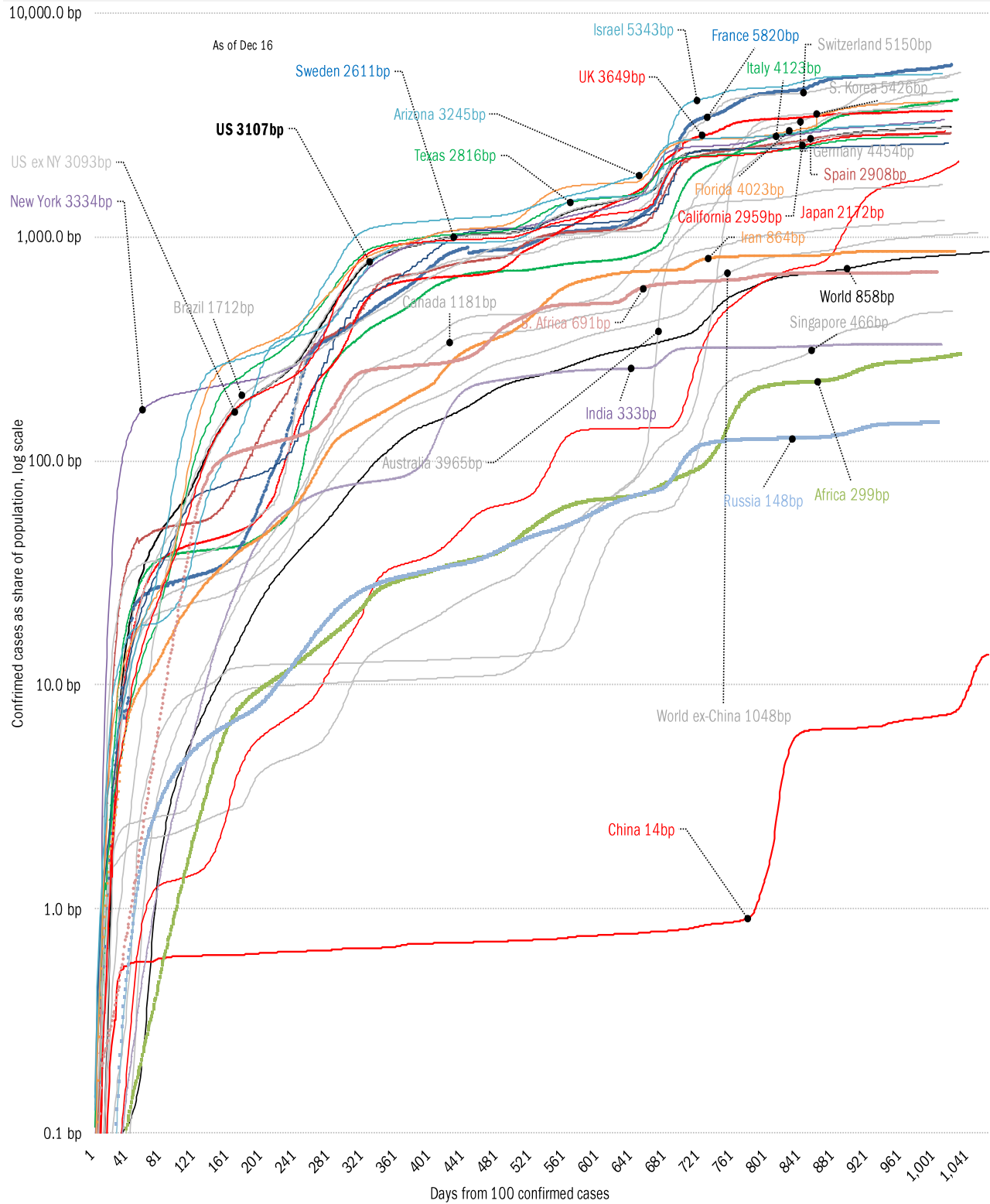
Meme of the Day



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

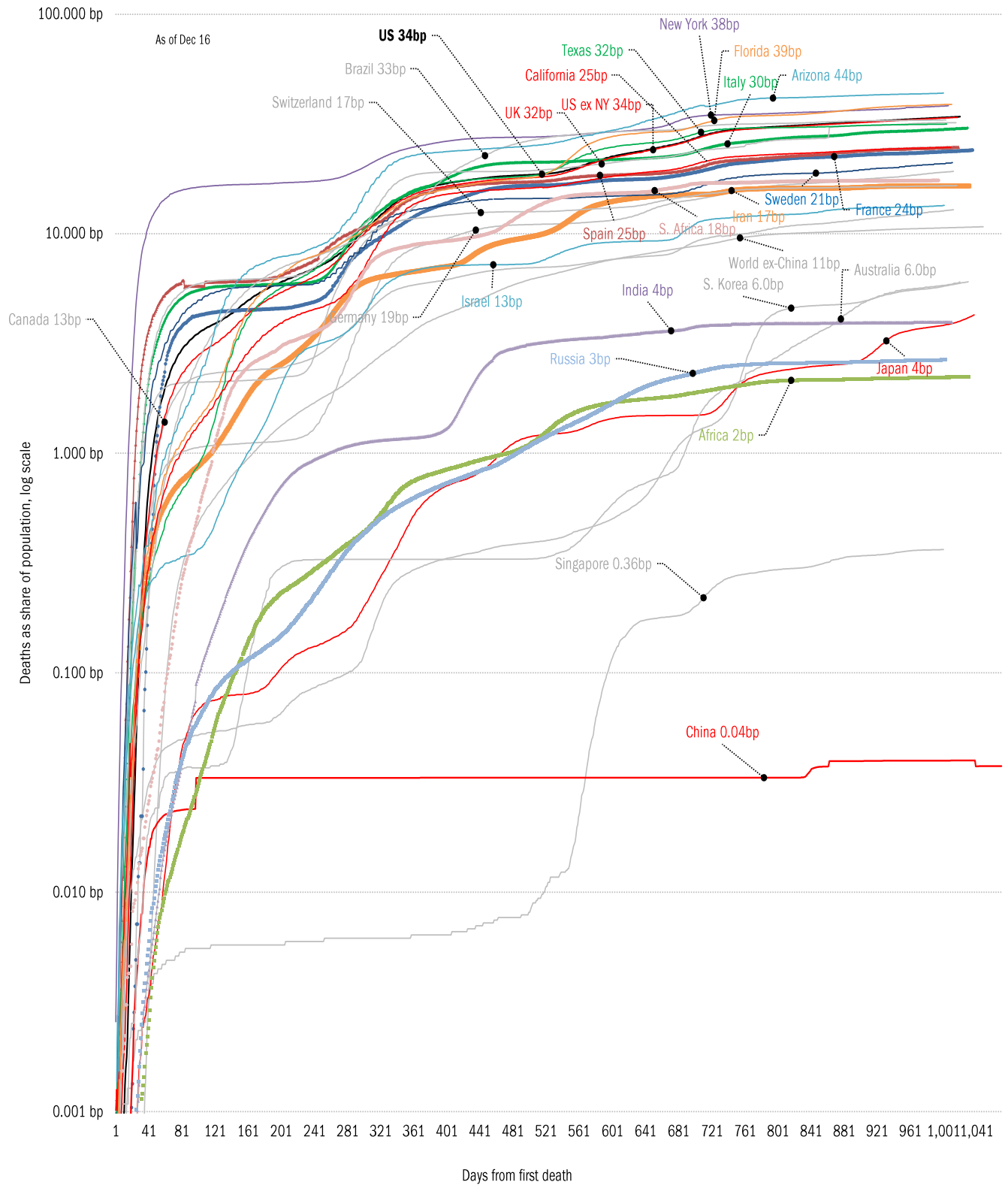
The global coronavirus case accelerometer... tracking the world's infection curves

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

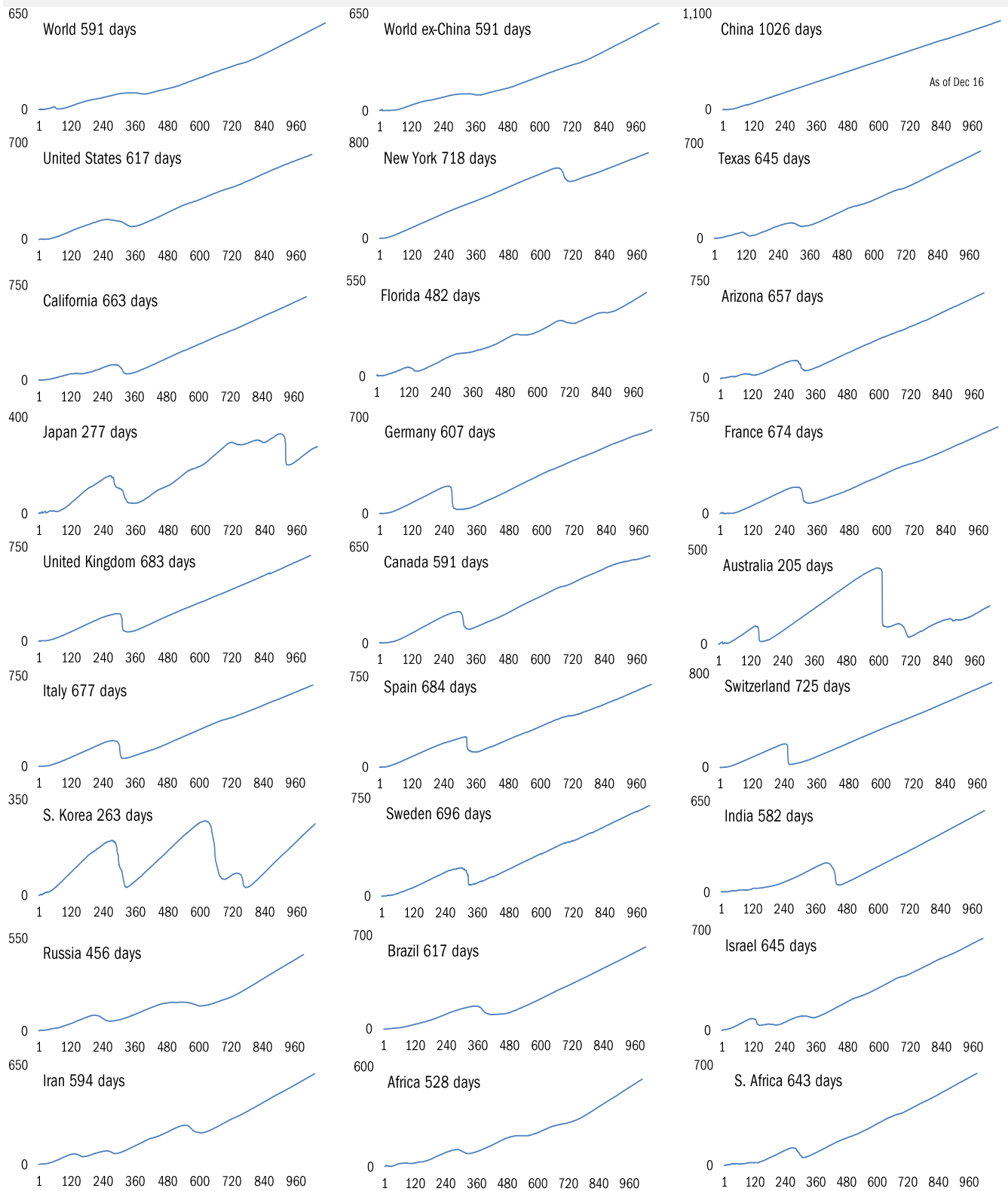


Source: [Johns Hopkins](#), TrendMacro calculations

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

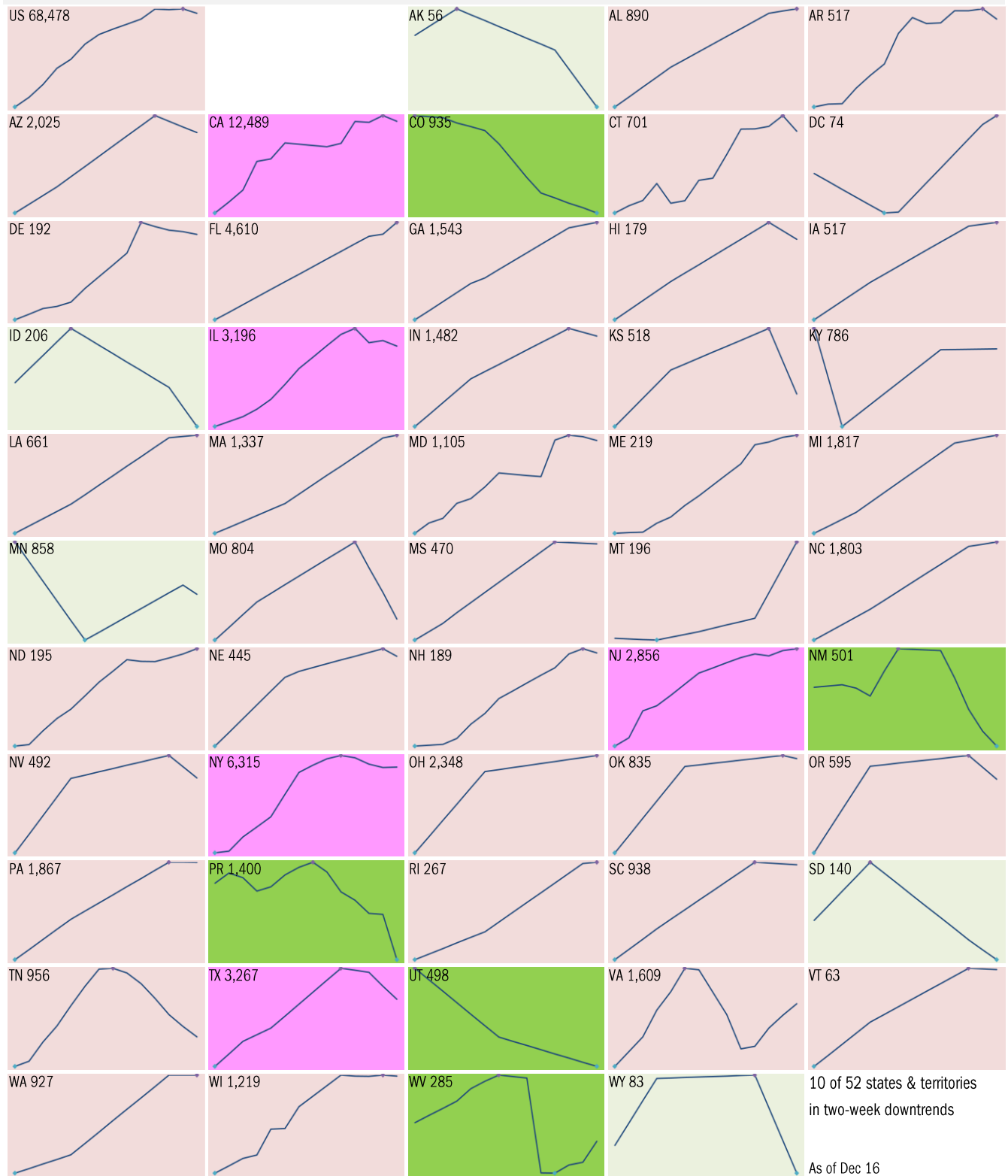


Source: [Johns Hopkins](#), TrendMacro calculations

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

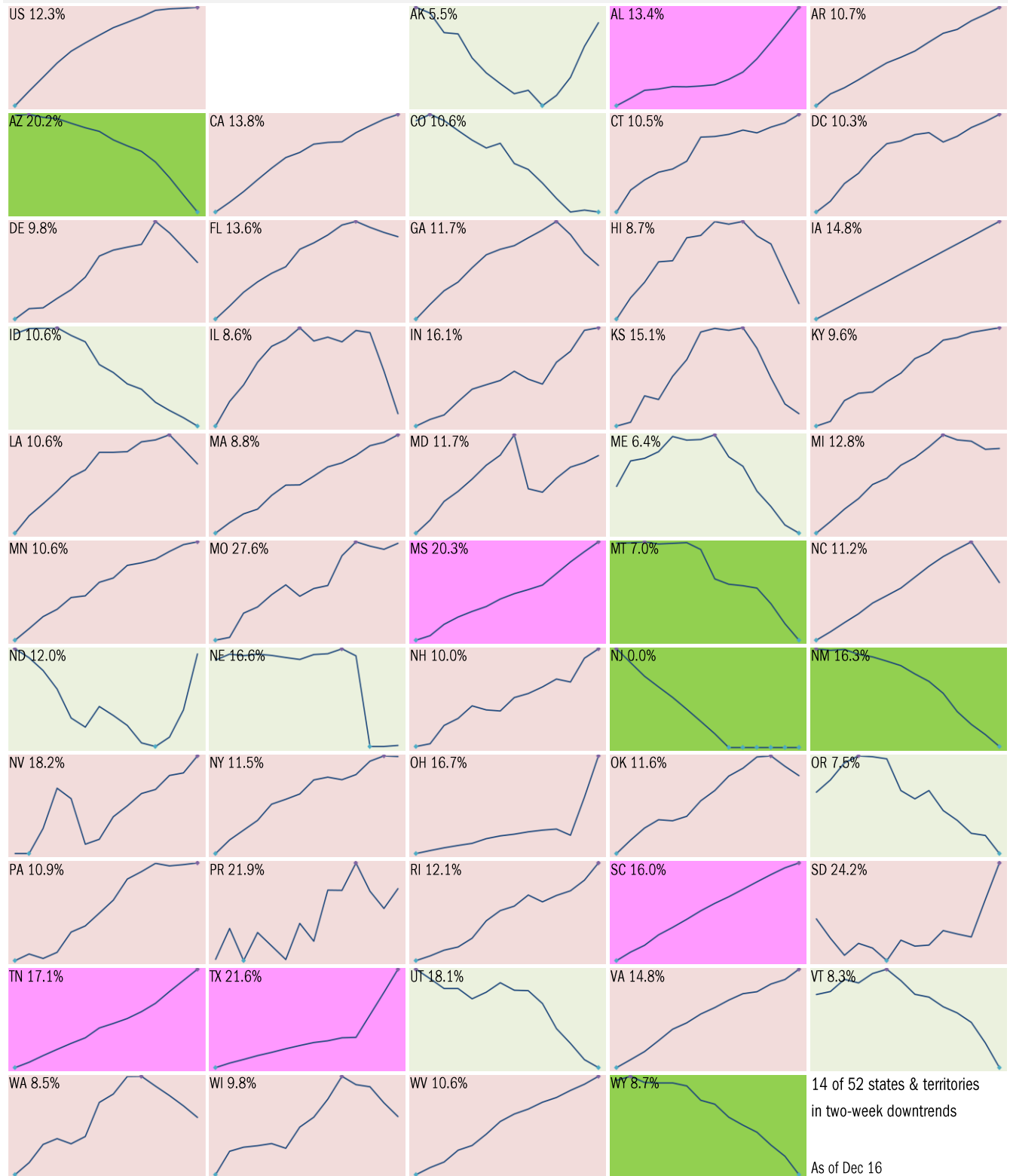


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

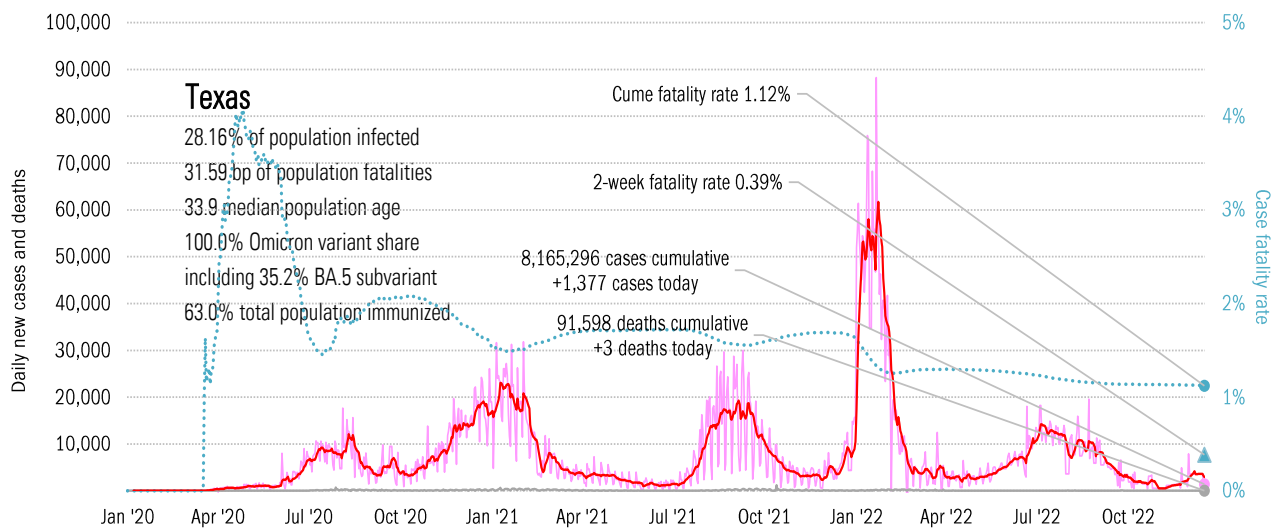
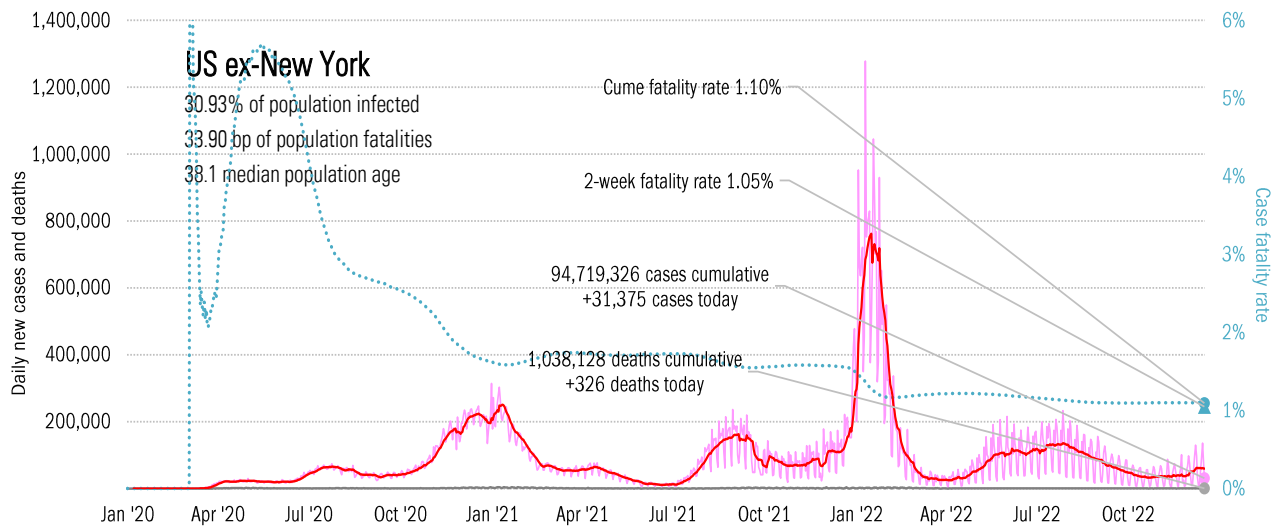
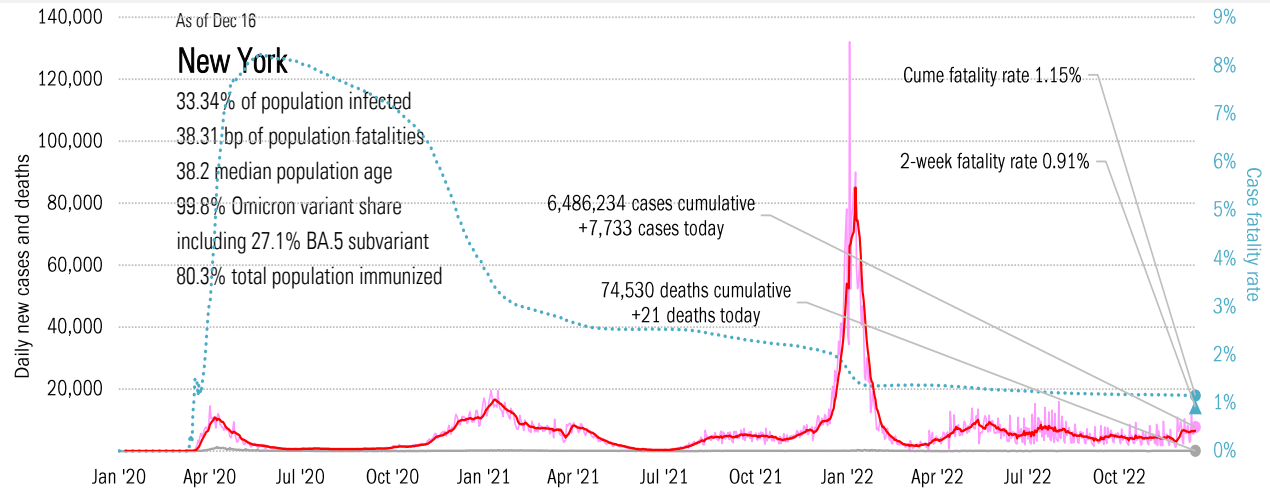
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

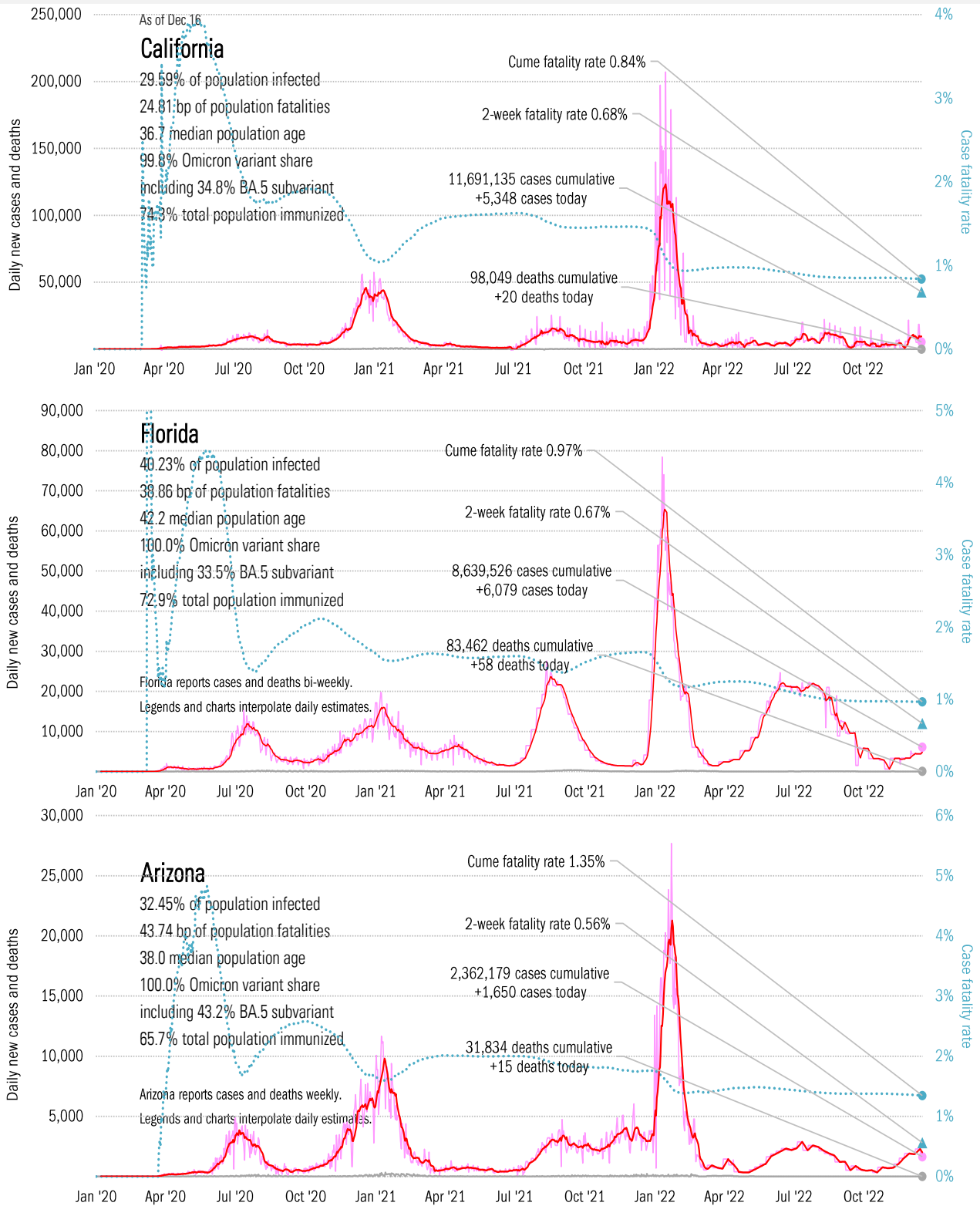
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

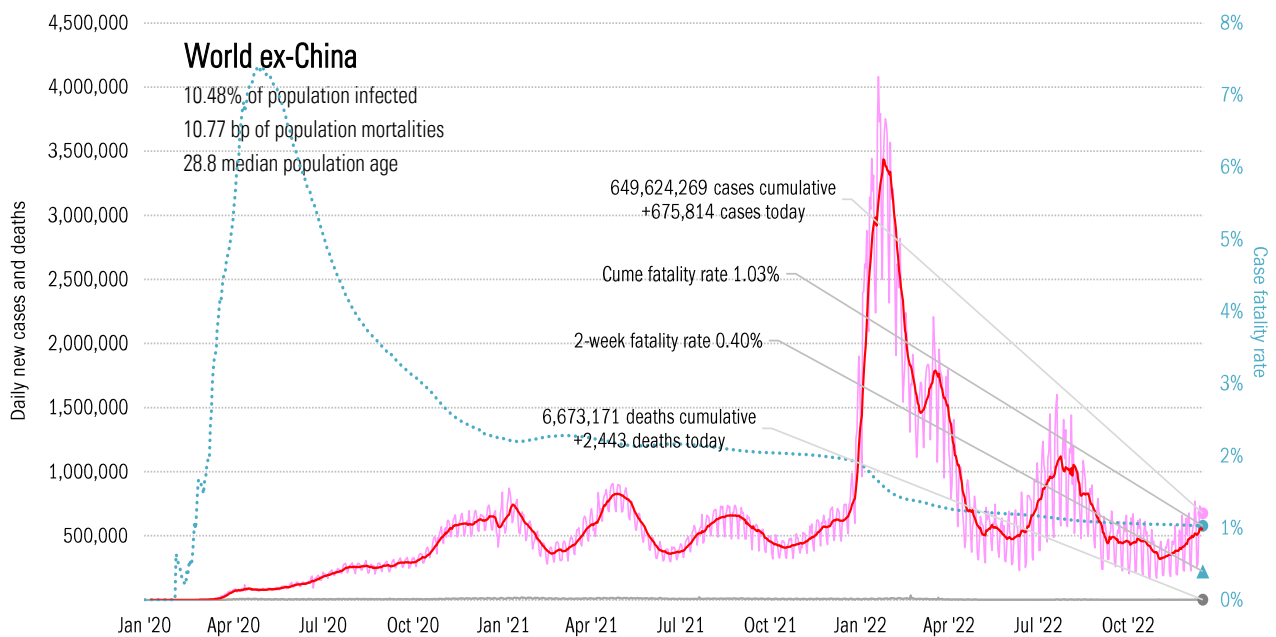
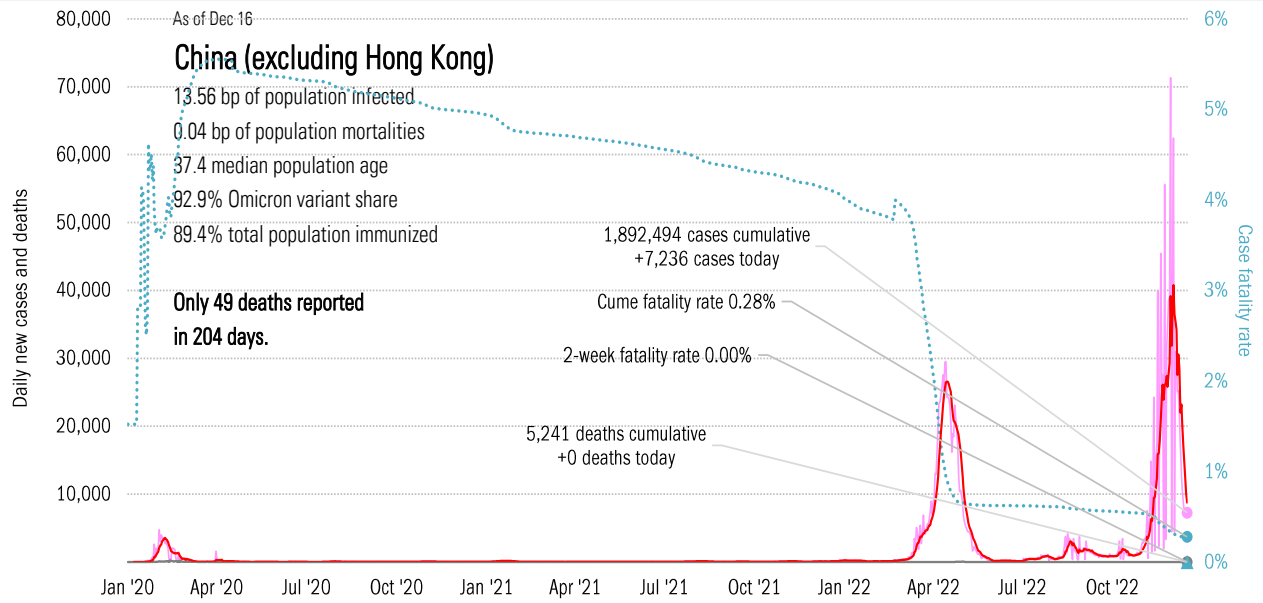
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

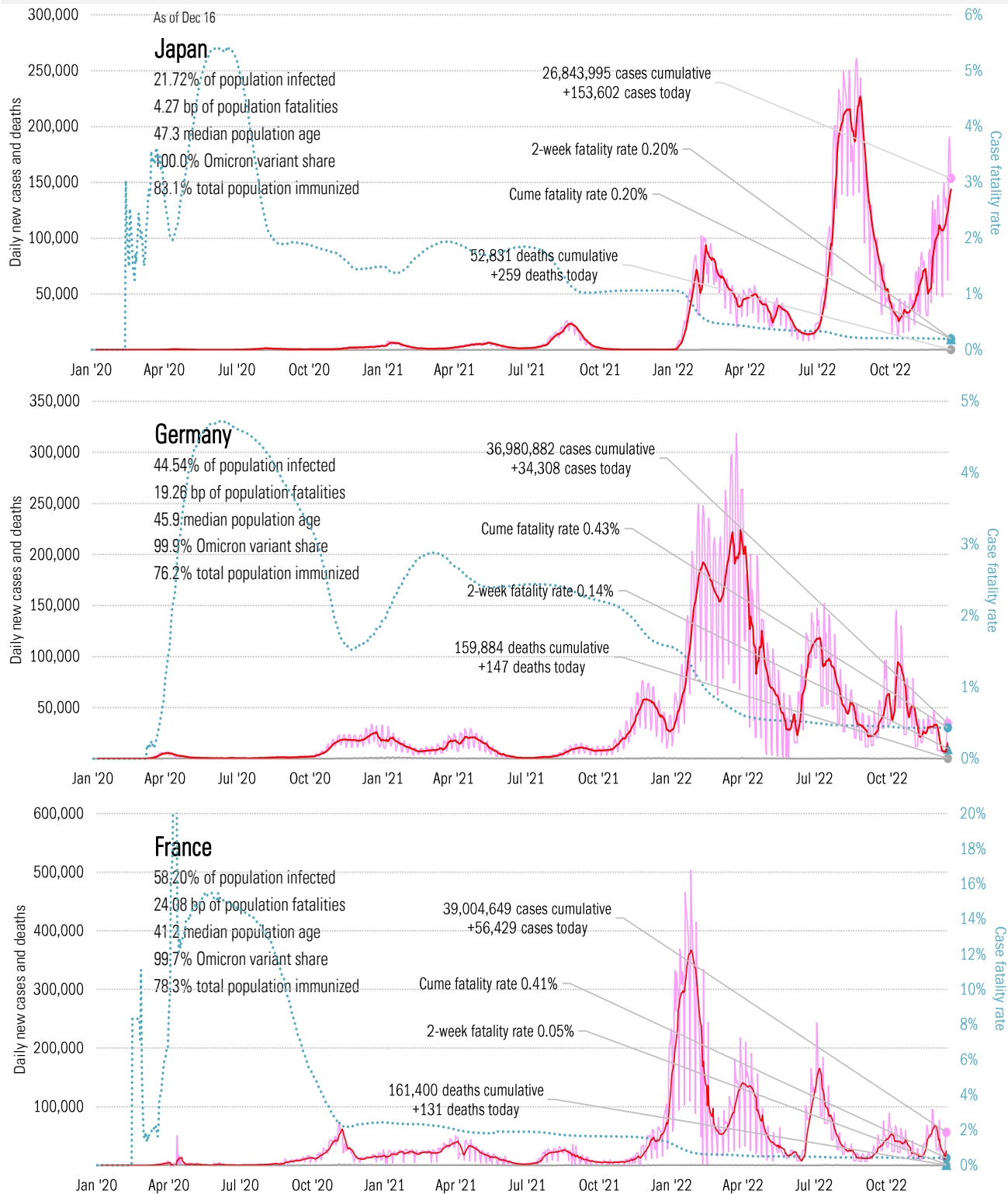
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

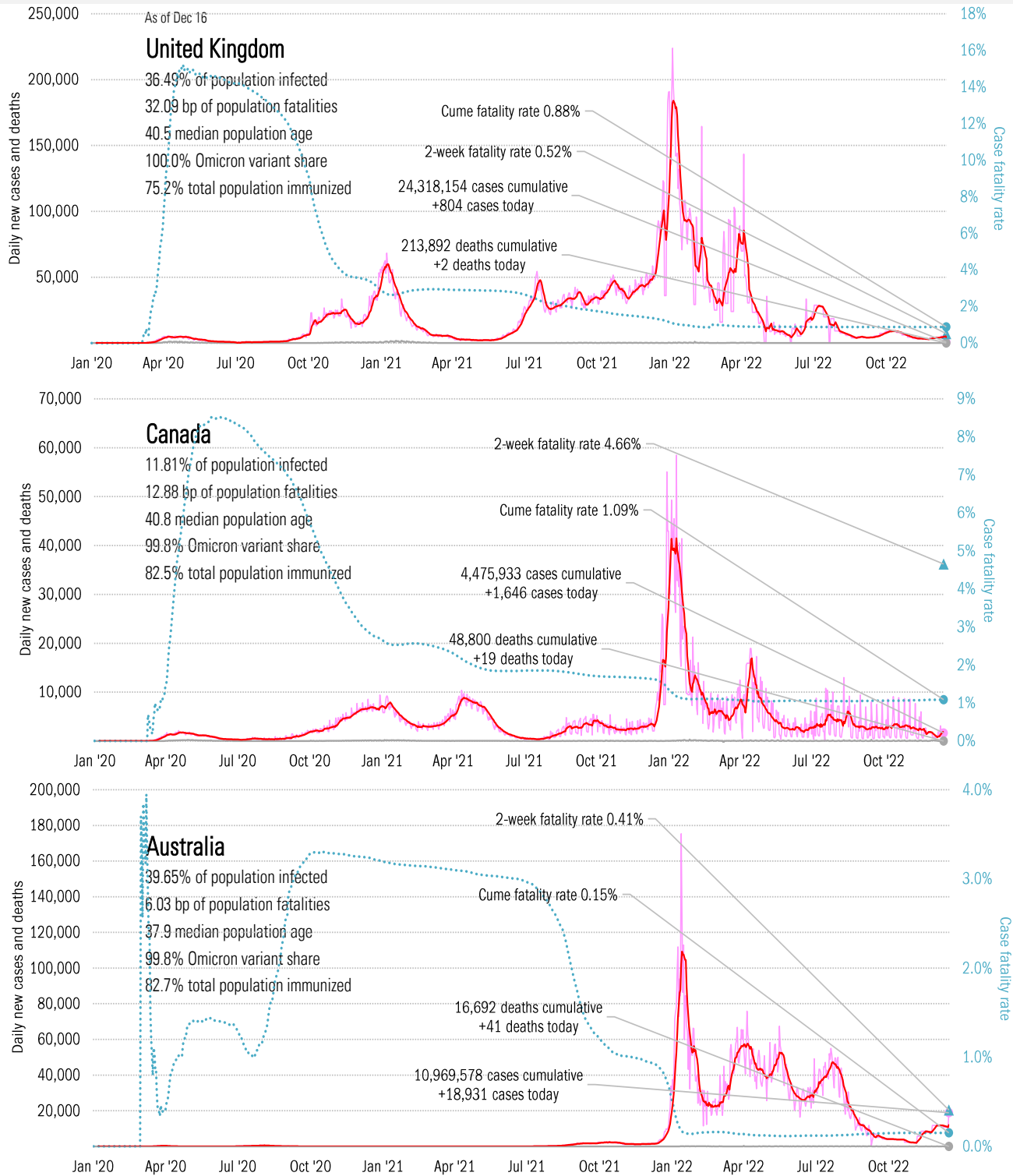
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

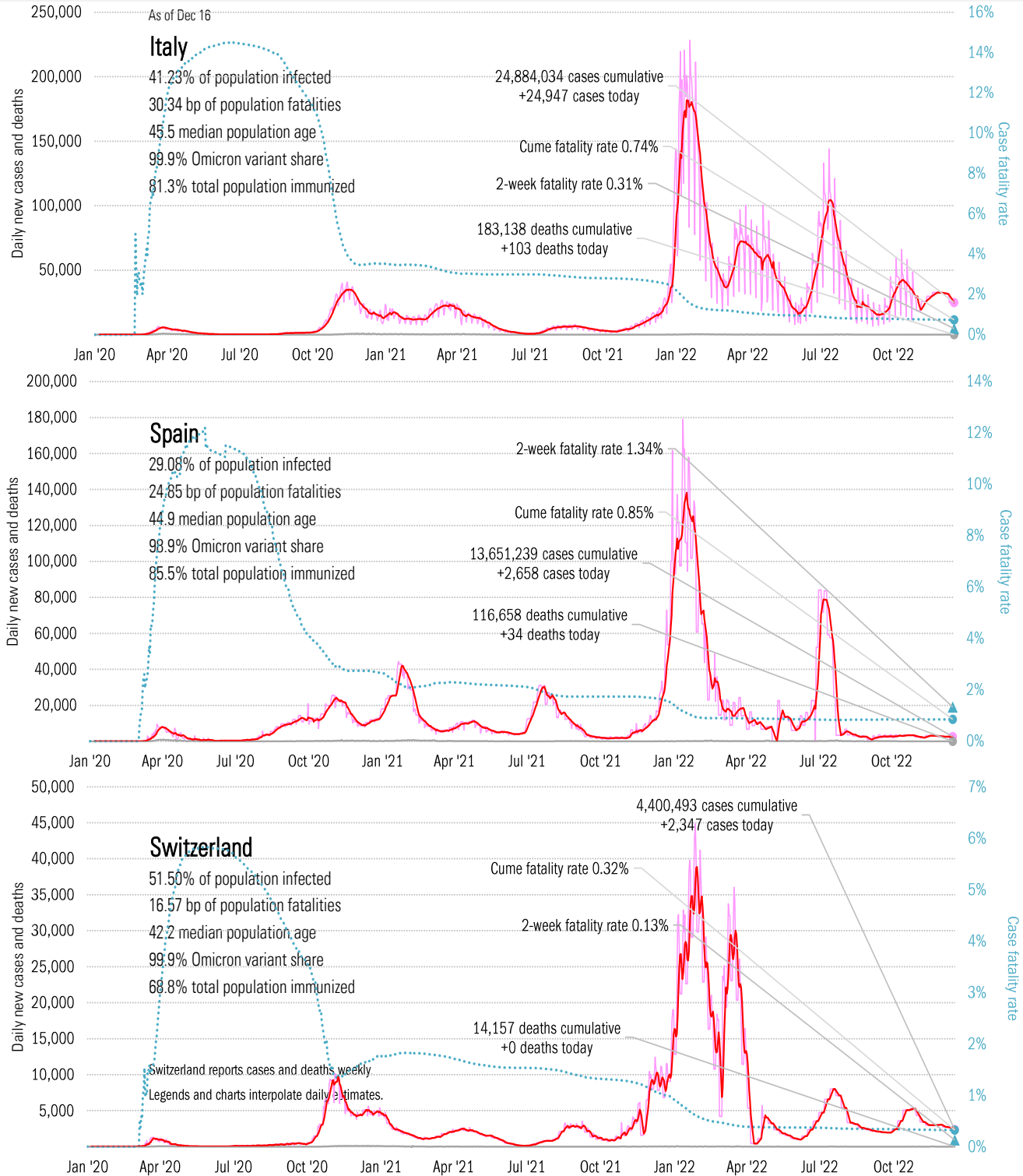
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

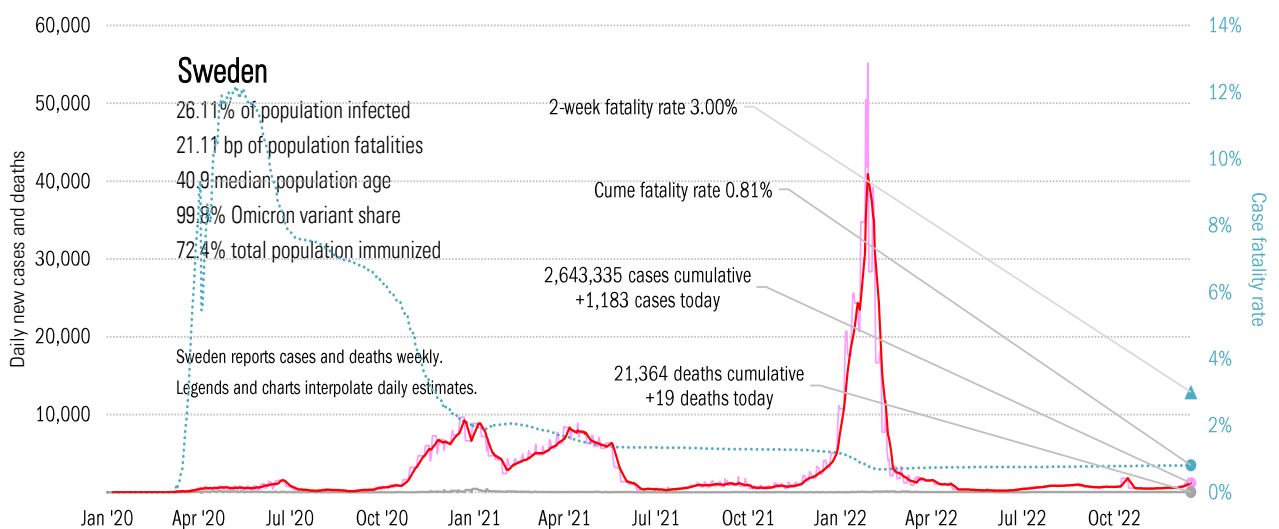
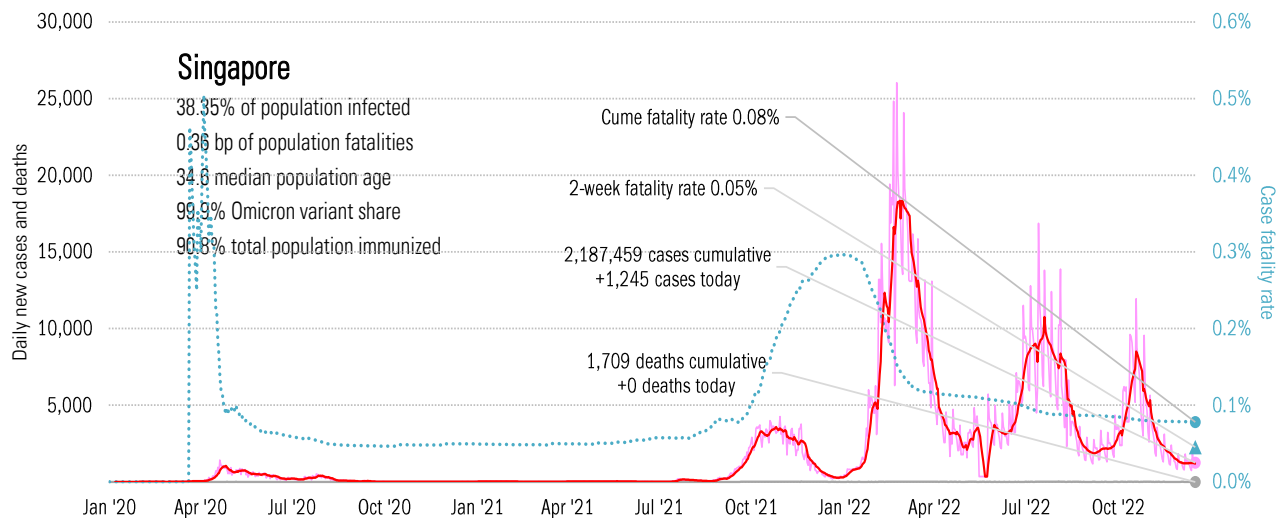
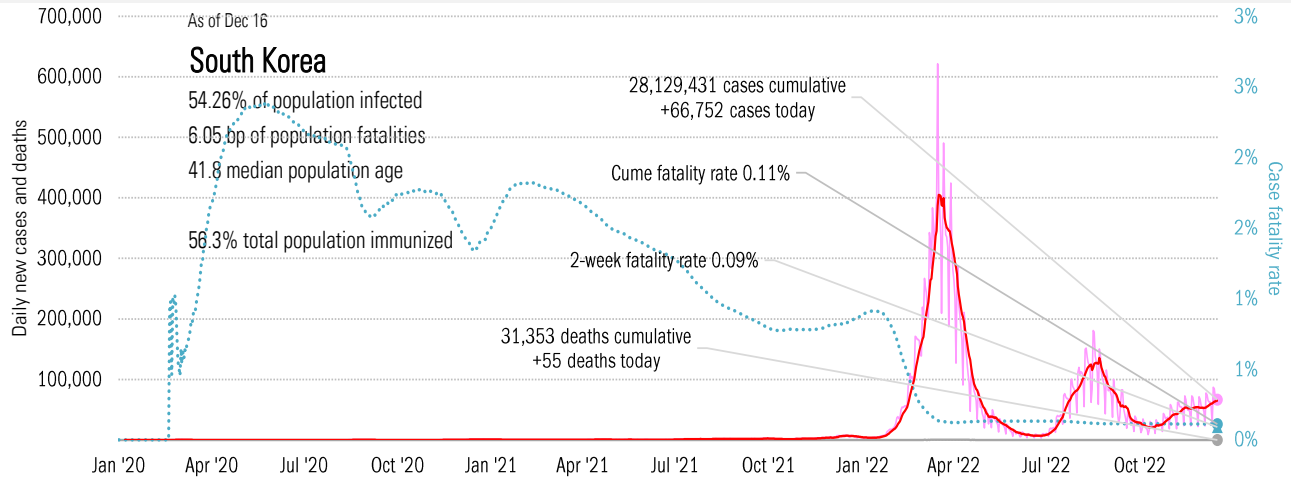
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

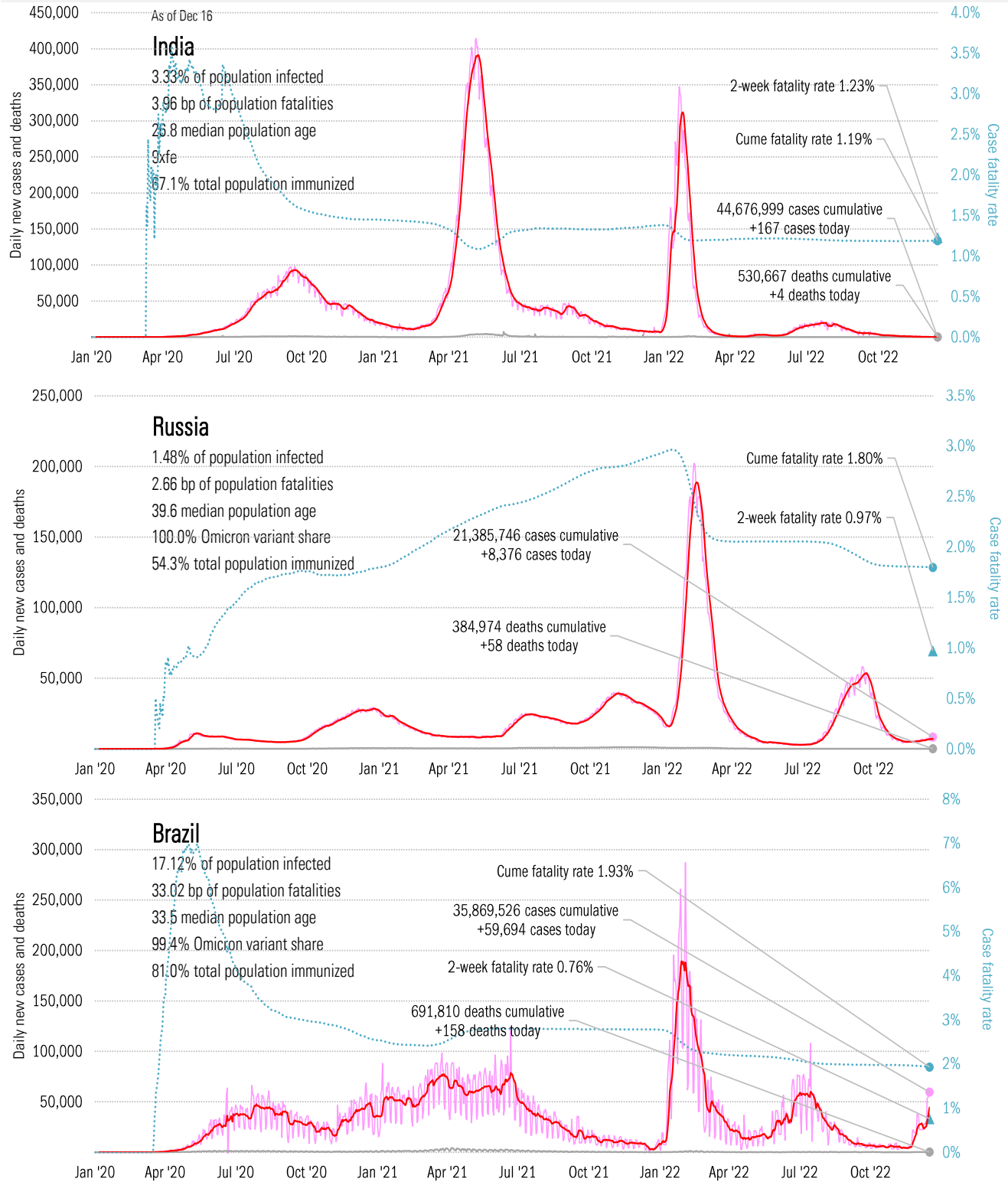
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

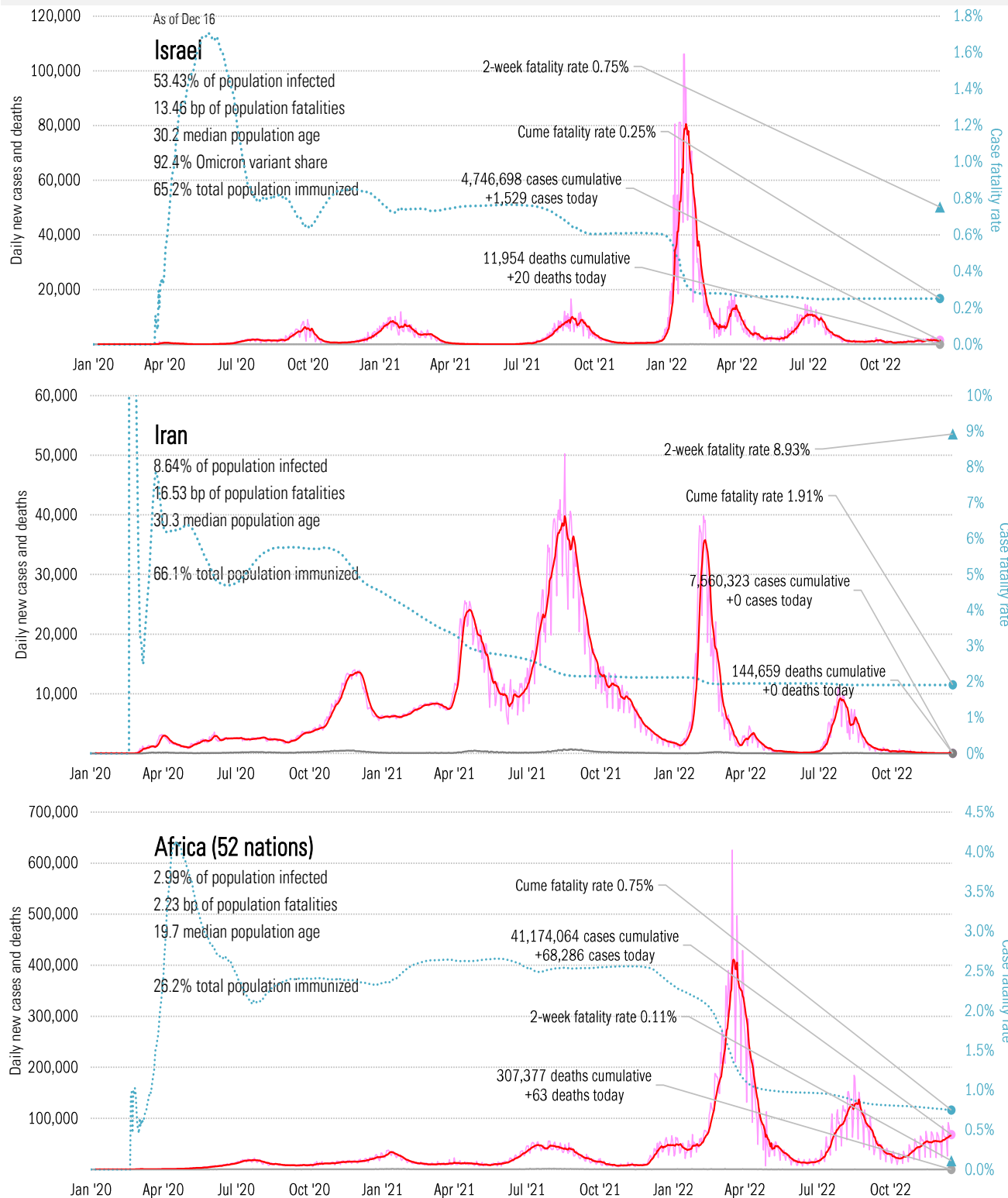
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

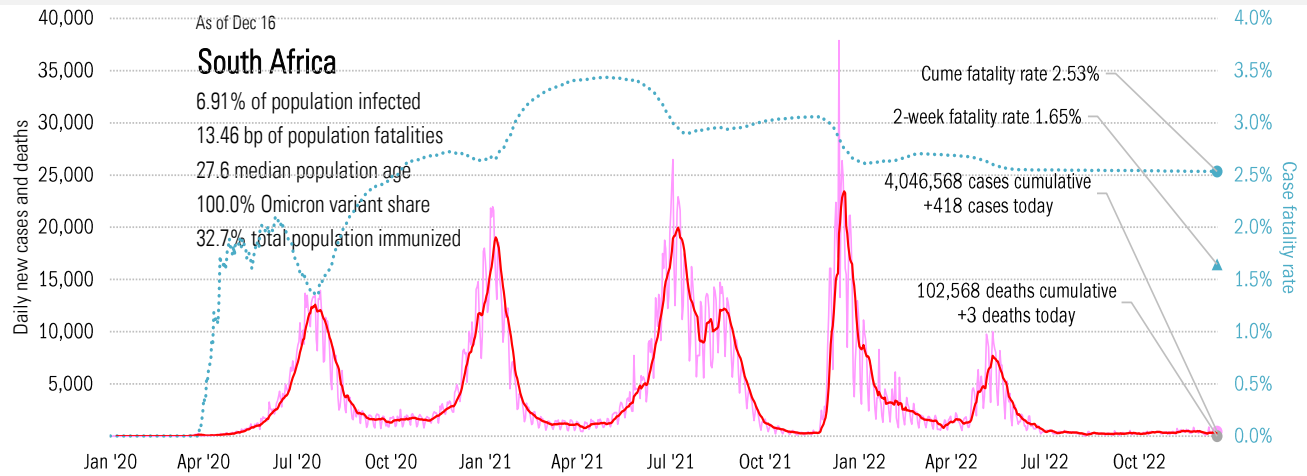
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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