

Data Insights: Covid-2019 Monitor

Friday, December 16, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

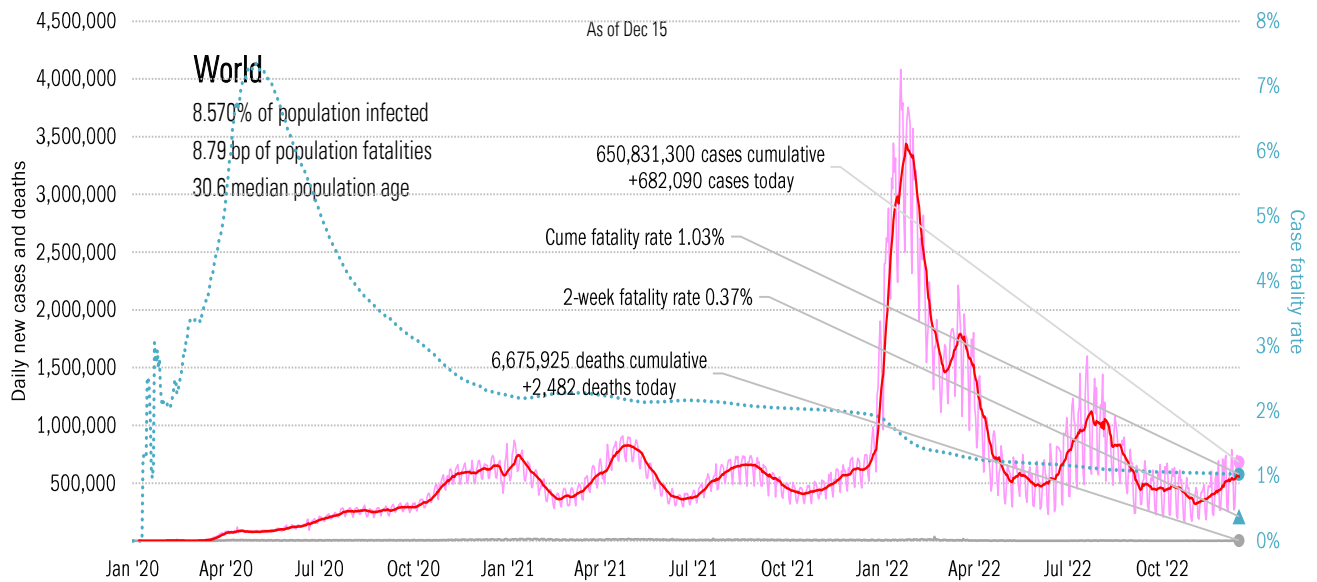
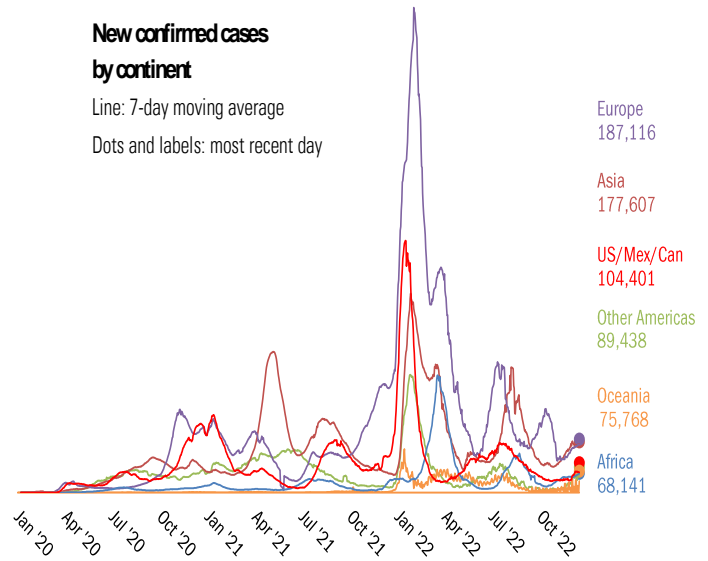
The worst ten countries

New cases		New Deaths	
Japan	168,491	United States	485
Korea, South	66,953	Japan	277
United States	64,997	Finland	211
France	62,541	Brazil	203
Brazil	58,421	Germany	143
Germany	40,701	Australia	139
Italy	31,618	Canada	124
Australia	10,811	France	106
Finland	10,537	Italy	98
Russia	7,772	Korea, South	66
522,842		1,852	
World	682,090	World	2,482
Top ten	77%	Top ten	75%

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

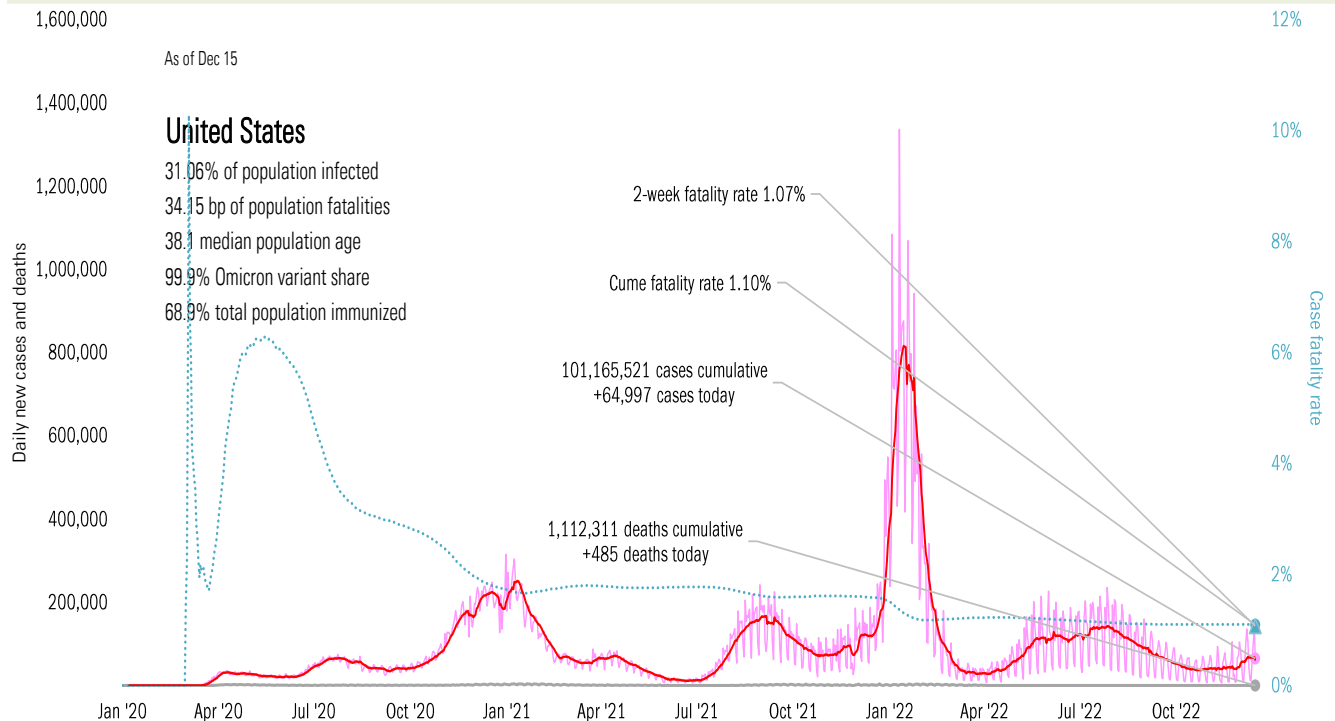
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	8,647		CA	111		TX	422		CA	11,685,787		CA	98,029		TX	561,518		SC	96%	TX	91%
CA	6,879		MN	65		AL	152		TX	8,163,919		TX	91,595		CA	530,748		RI	91%	MA	88%
FL	5,436		NY	46		PA	226		FL	7,290,073		FL	83,380		FL	508,255		MA	88%	NH	87%
IL	4,939		MI	26		FL	298		NY	6,478,501		NY	74,509		NY	327,624		WA	88%	VT	86%
NJ	3,361		NJ	21		NJ	222		IL	3,927,562		PA	48,662		GA	231,830		MO	87%	AL	86%
CH	2,388		PA	19		IL	269		PA	3,388,571		GA	41,244		CH	231,572		NH	86%	NM	86%
VA	2,133		WI	19		GA	160		NC	3,300,138		CH	40,747		PA	217,119		MN	86%	AK	86%
NC	1,884		IL	16		NY	512		CH	3,276,630		MI	40,508		IL	200,060		MD	85%	NC	84%
PA	1,865		MA	16		CA	737		MI	2,963,404		IL	40,477		MI	172,521		WV	85%	MO	83%
MI	1,863		AZ	15		NC	119		GA	2,963,232		NJ	35,311		NJ	149,799		CR	85%	GA	82%
39,396			354			3,117			53,437,817			594,462			3,131,046			All states 70%		67%	
All states 64,997			485			5,518			All states 101,165,521			1,112,311			5,687,125			All states 70%		67%	
Top ten 61%			73%			56%			Top ten 54%			55%			55%			Median 80%		78%	

Some states not reporting

Five most improved US states

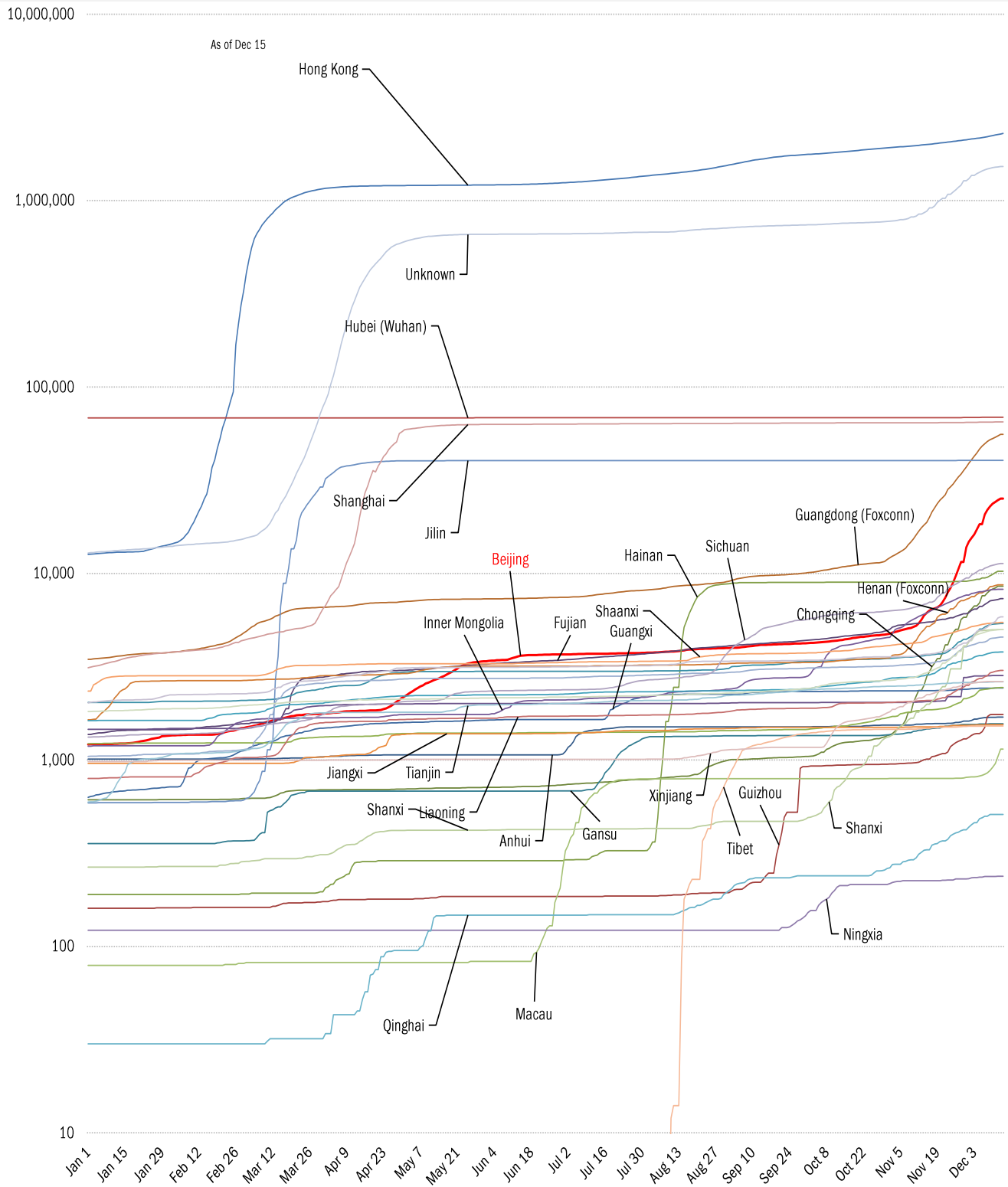
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
TX	-2,410	WA	-10	LA	-64
KS	-408	NC	-7	IN	-39
CO	-267	#NA	0	MA	-30
WI	-183	IL	-11	NM	-30
VA	-163	LA	-4	WA	-23



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"



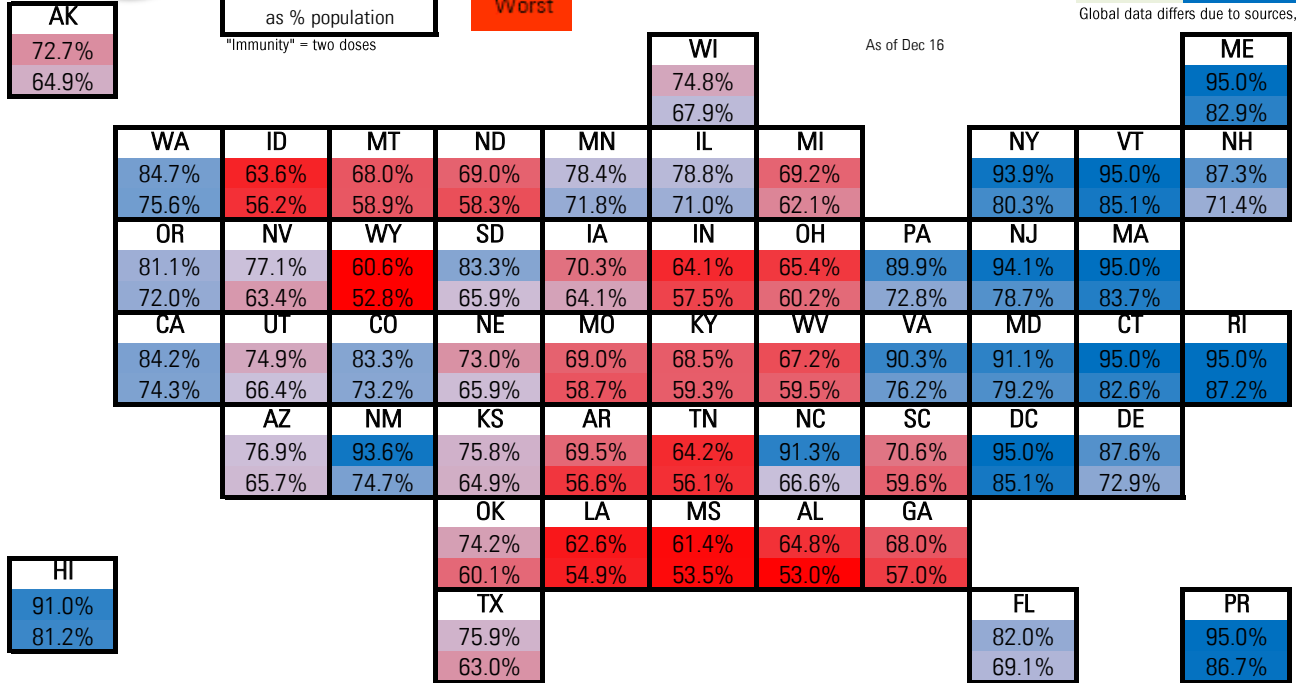
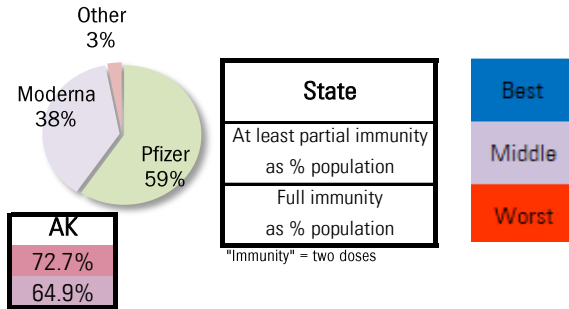
Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

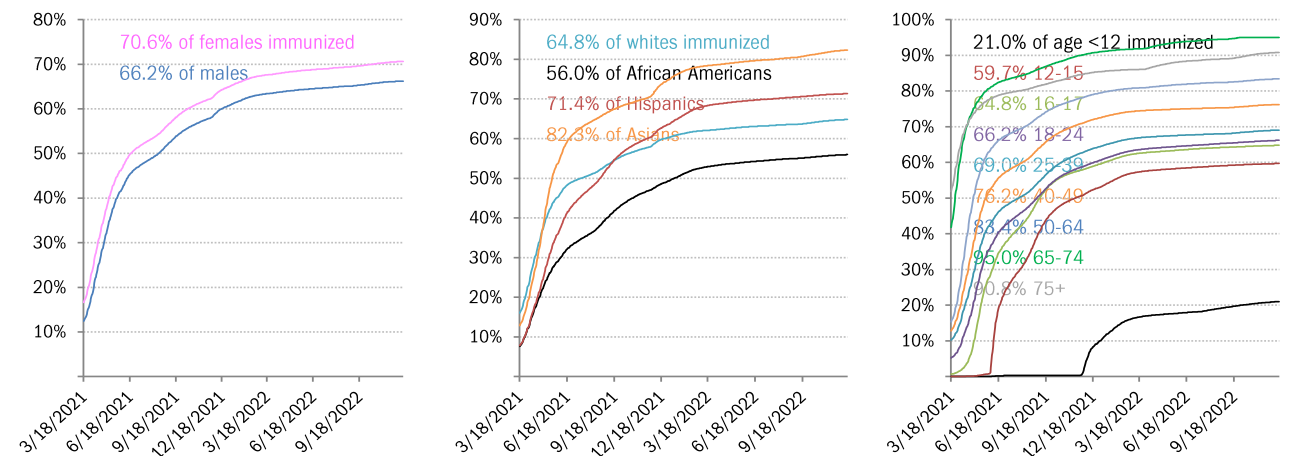
Updates weekly on Friday

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	
Total population	276,286,091	83%	235,628,086	71%	+0.017 million	France 78.3% 80.5%
Age 12 to 17	18,389,791	73%	15,747,323	62%	+0.001 million	Spain 85.5% 86.9%
Age 18 to 64	183,774,685	90%	156,296,409	77%	+0.009 million	Germany 76.2% 77.8%
Age 65 and over	60,871,211	100%	53,326,820	97%	+0.003 million	Italy 81.3% 86.2%

Australia	82.7%	84.9%
Israel	65.2%	71.1%
Canada	82.5%	89.7%
Japan	83.1%	84.3%
Africa	26.2%	32.2%
India	67.1%	72.5%
Brazil	80.9%	87.4%
China	89.4%	91.7%

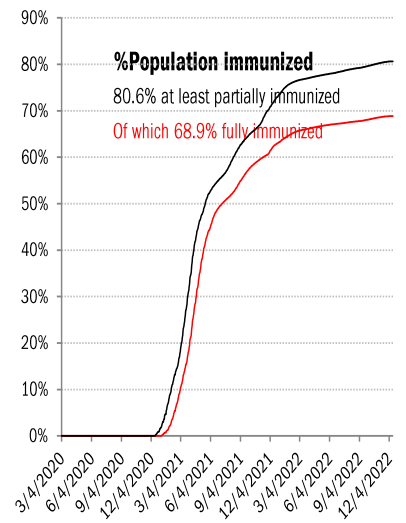
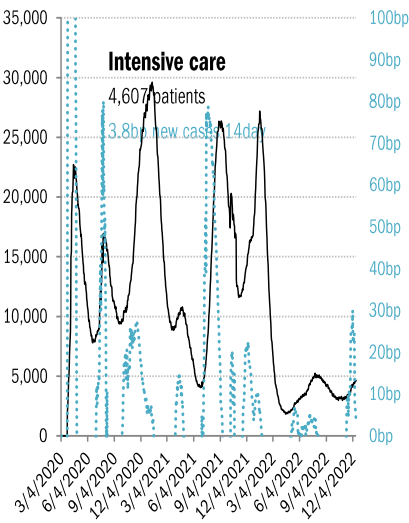
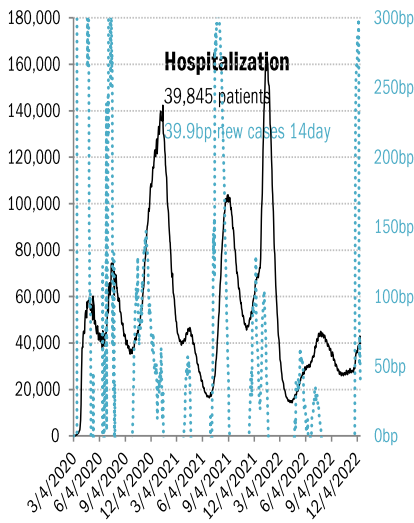
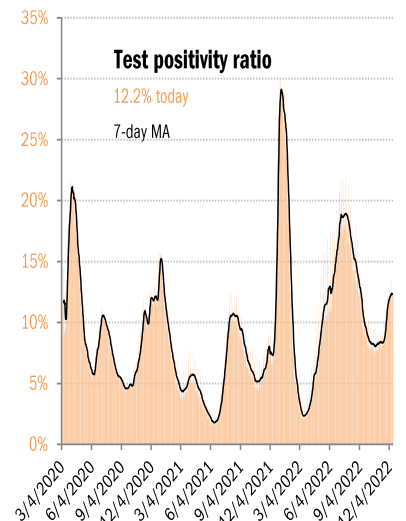
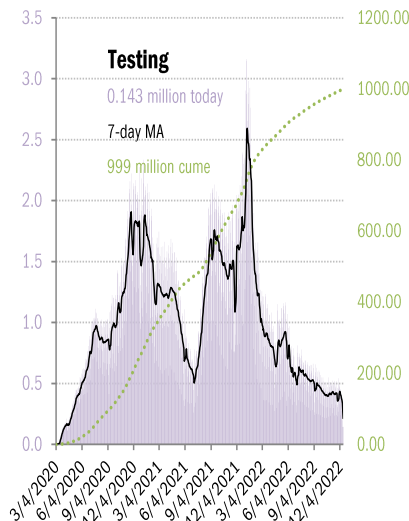
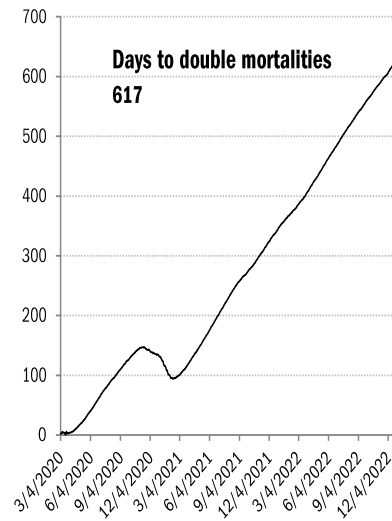
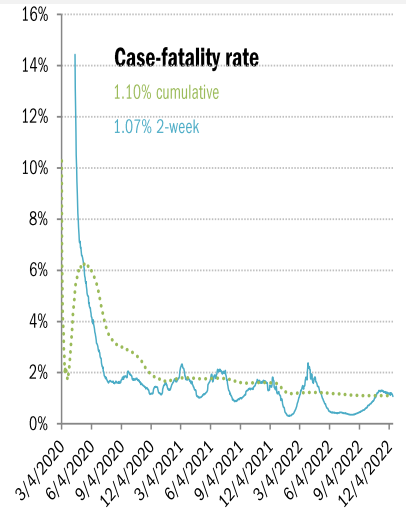
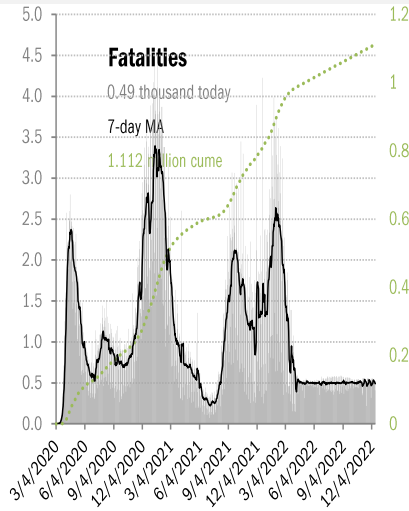
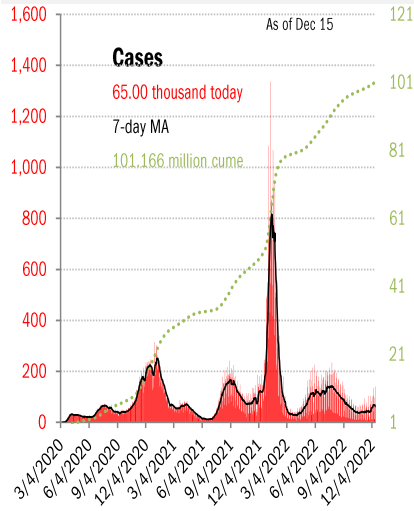


The demographics of US vaccination

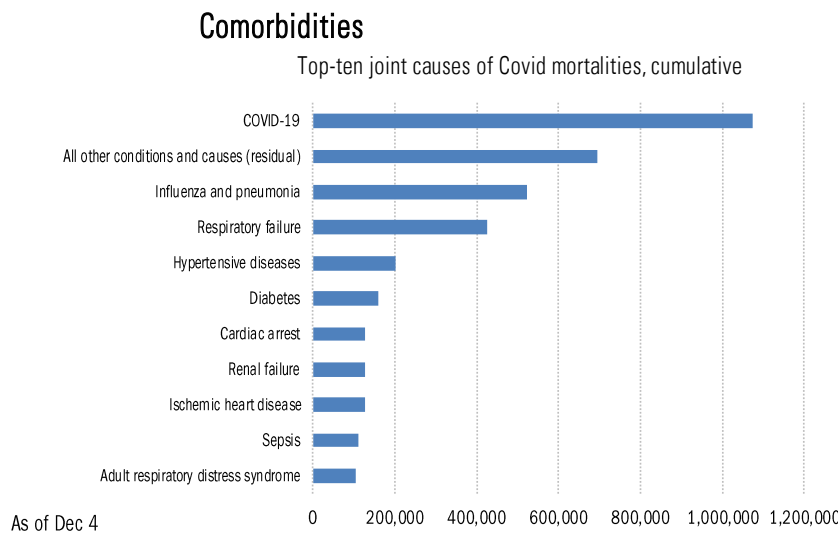
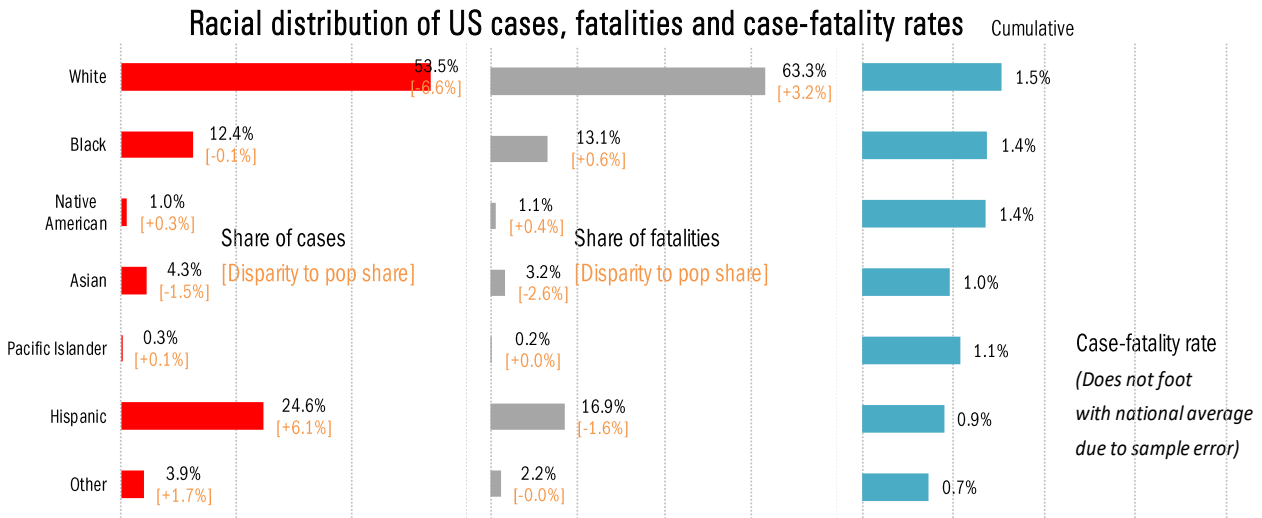
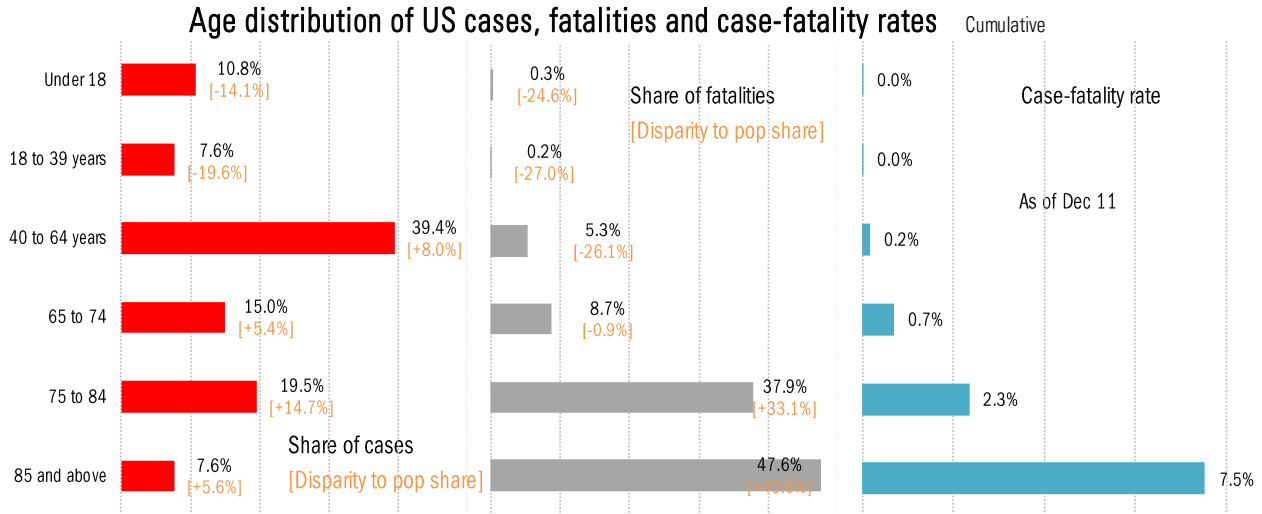


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

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

[People Unvaccinated Against COVID Are 48 Percent More Likely To Get Into Traffic Accidents](#)

James Felton
IFL Science
December 14, 2022

[Xi Stays Silent as Covid Zero Strategy He Championed Crumbles](#)

Bloomberg
December 15, 2022

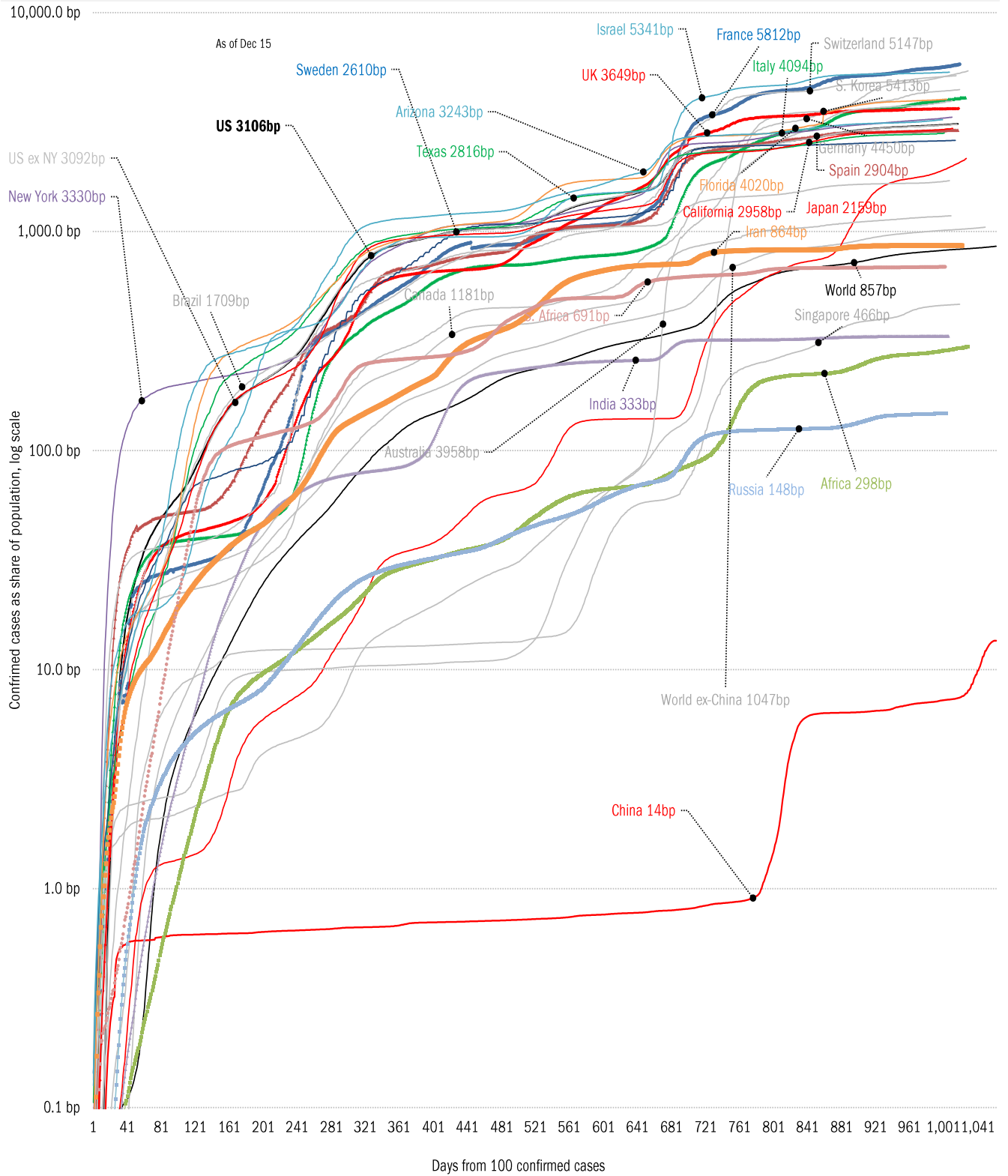
Meme of the Day



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

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

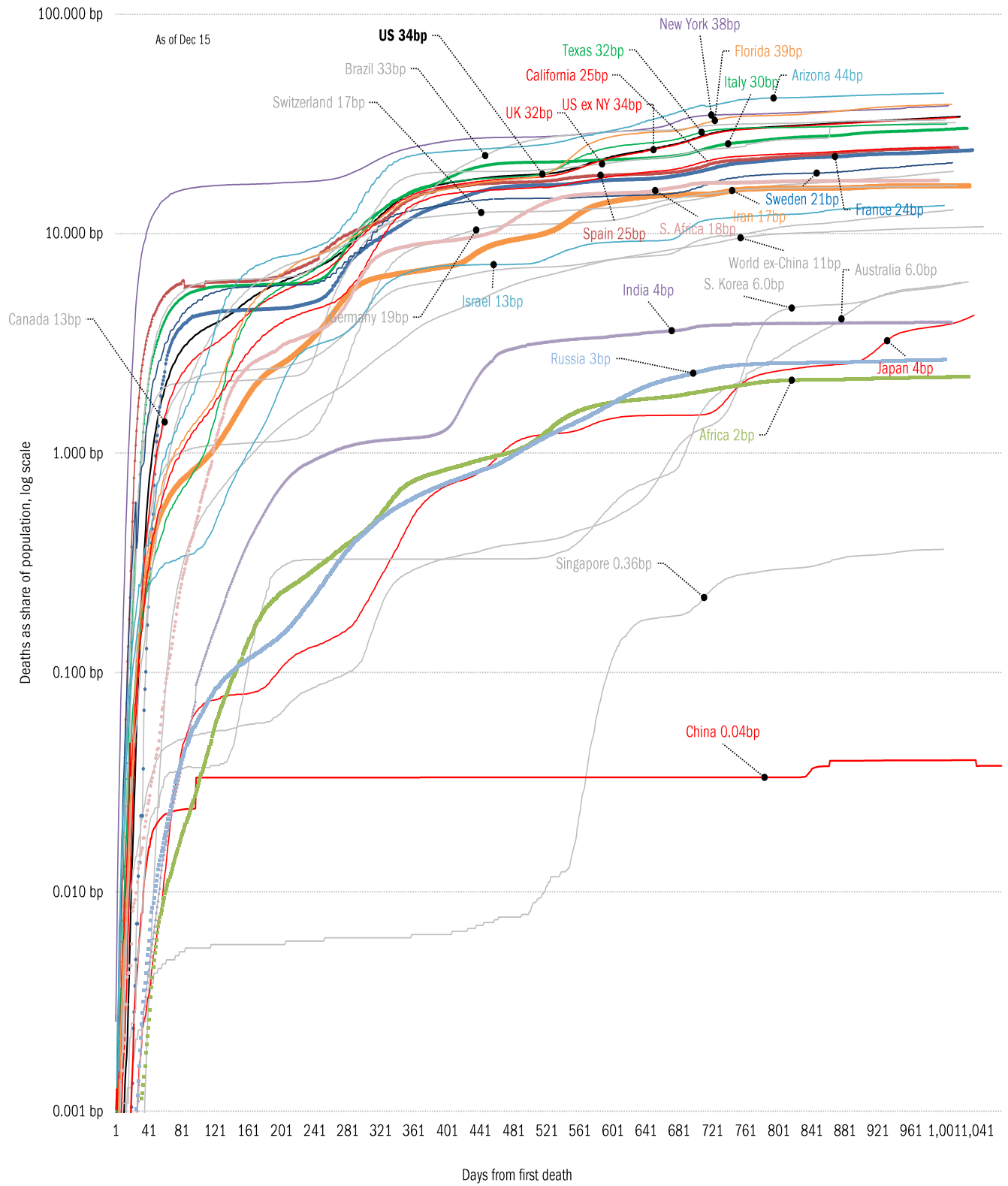
Share of infected population from first day with 100 confirmed cases, log scale



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

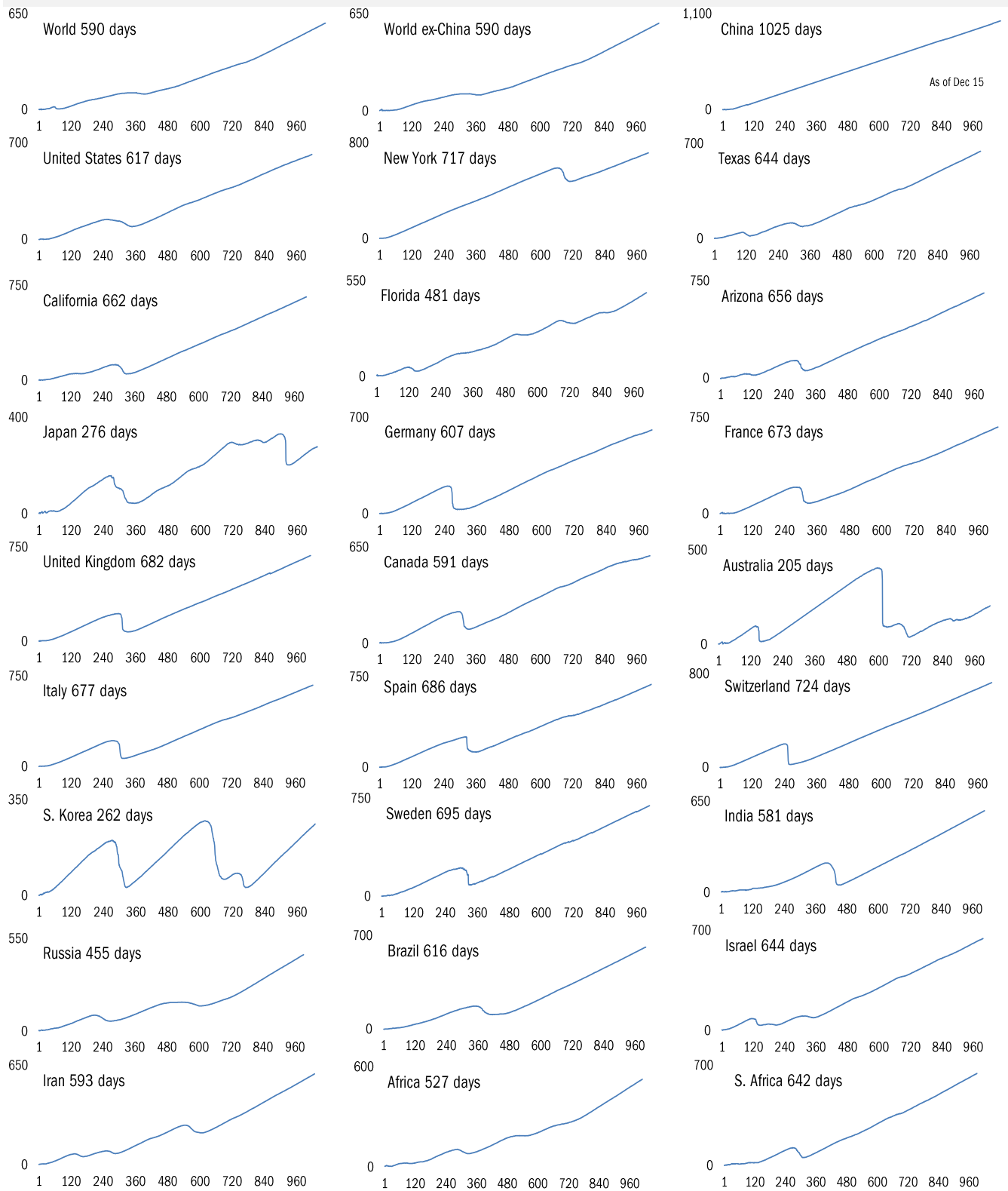


Source: [Johns Hopkins](#), TrendMacro calculations

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

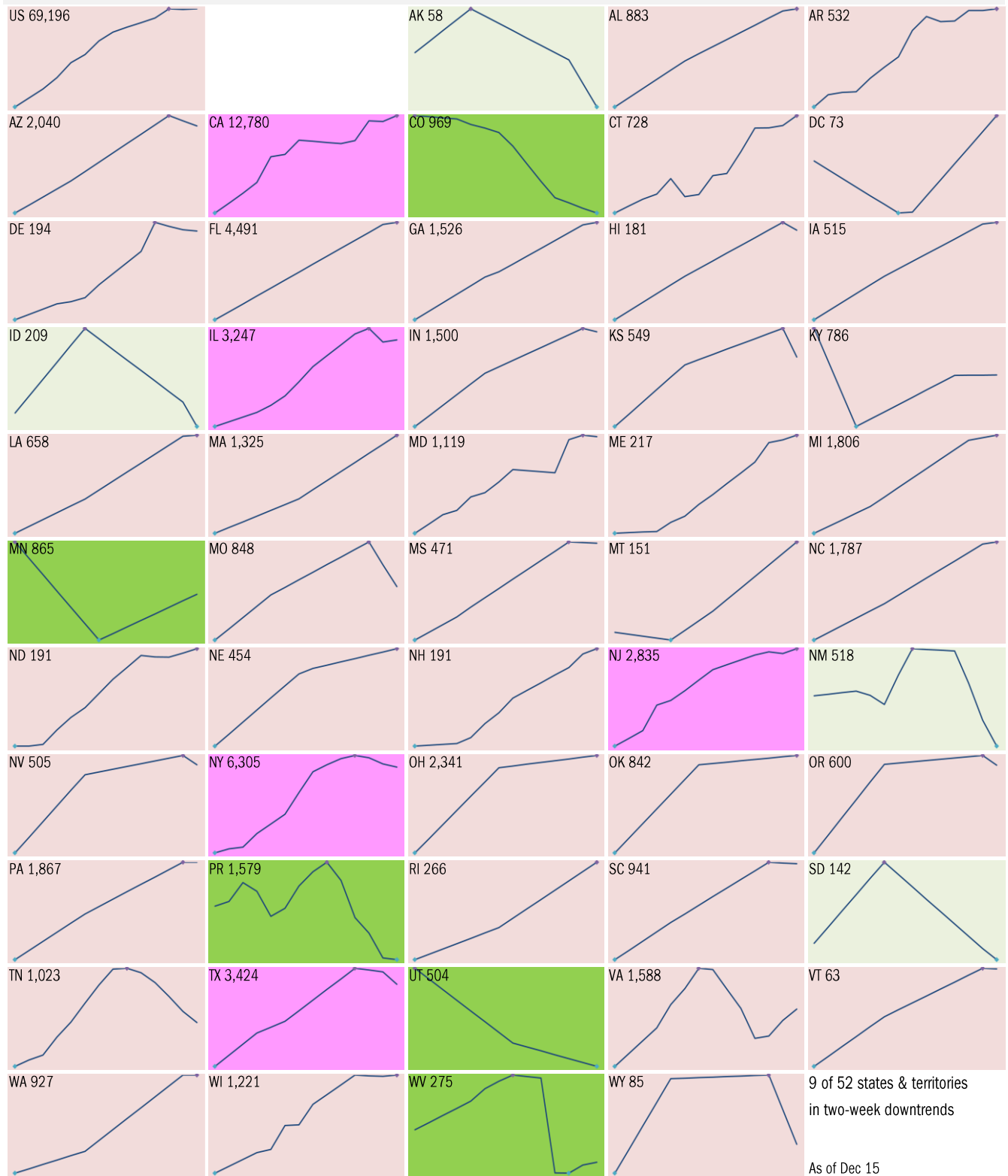


Source: [Johns Hopkins](#), TrendMacro calculations

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

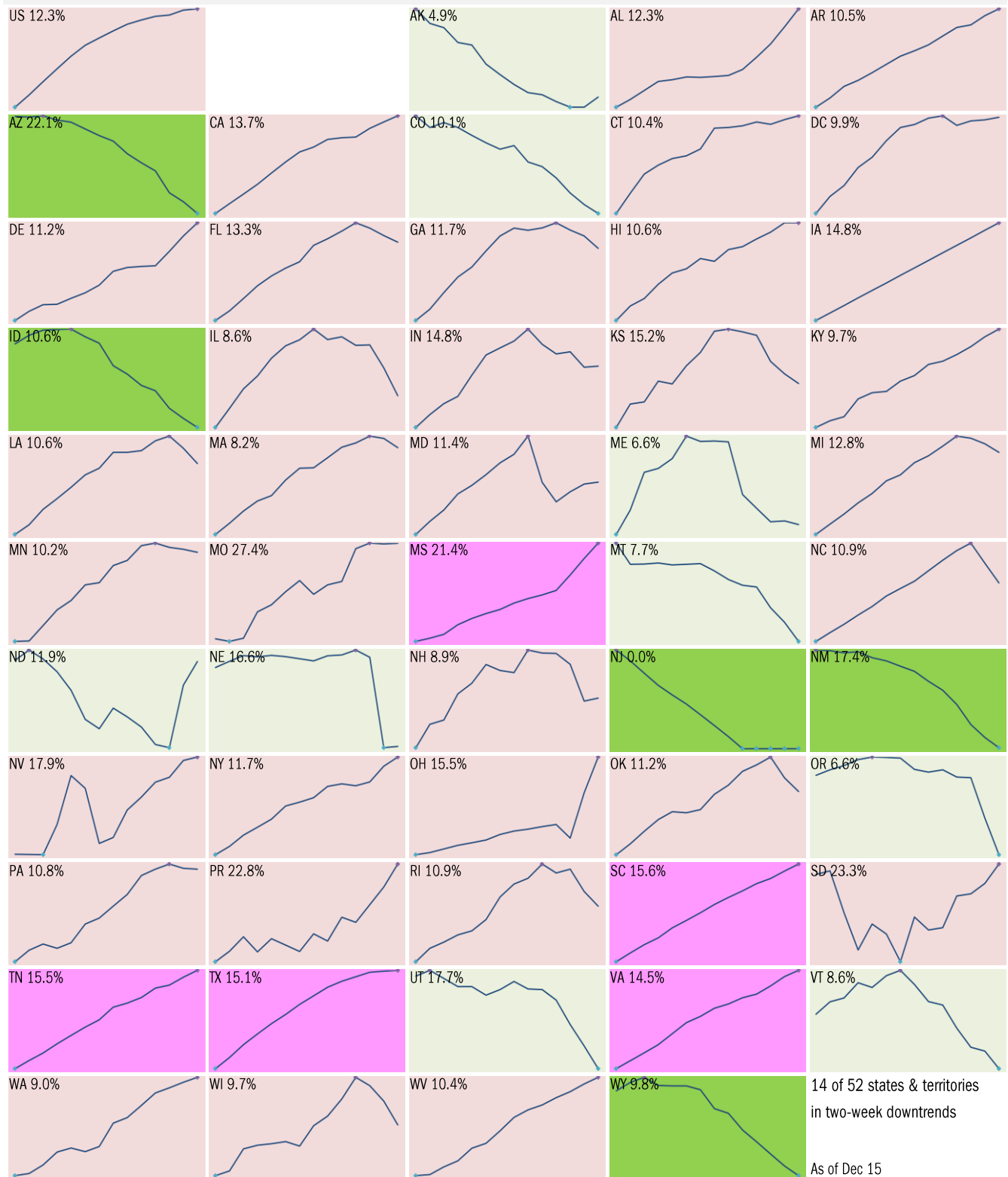


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

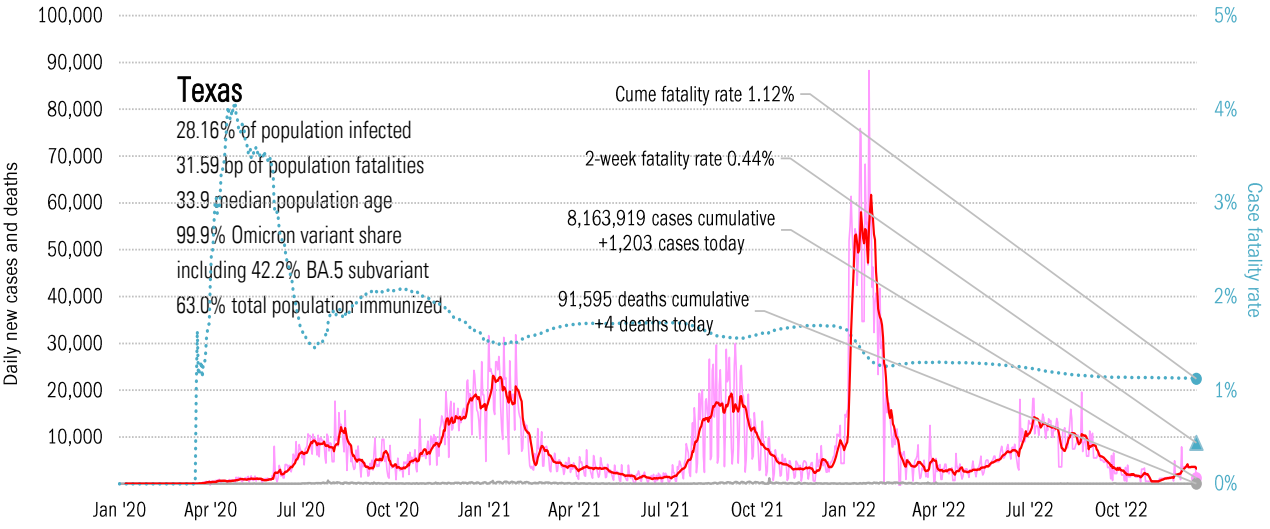
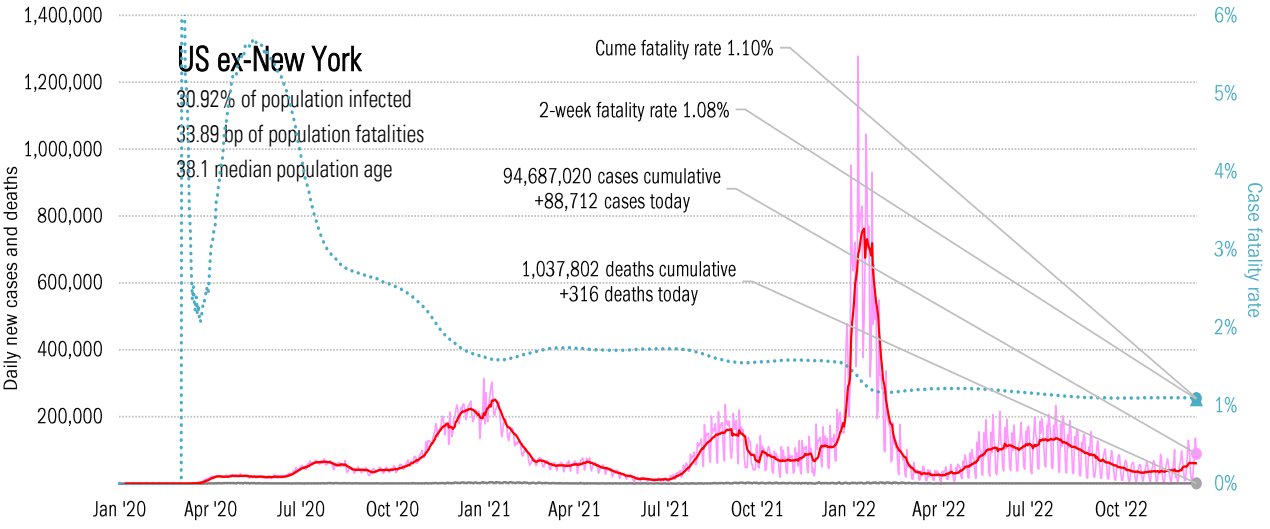
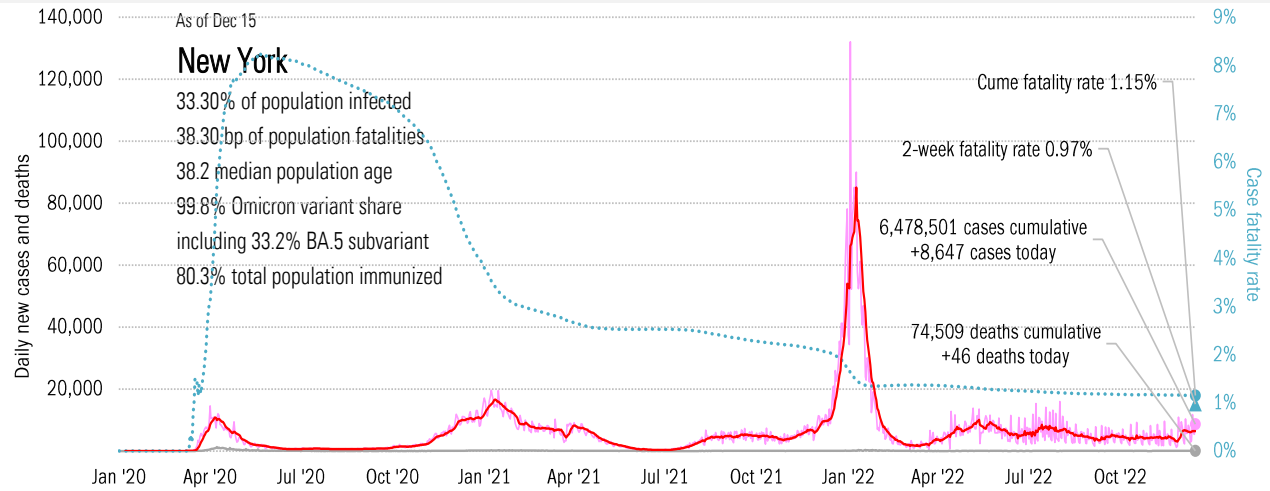
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

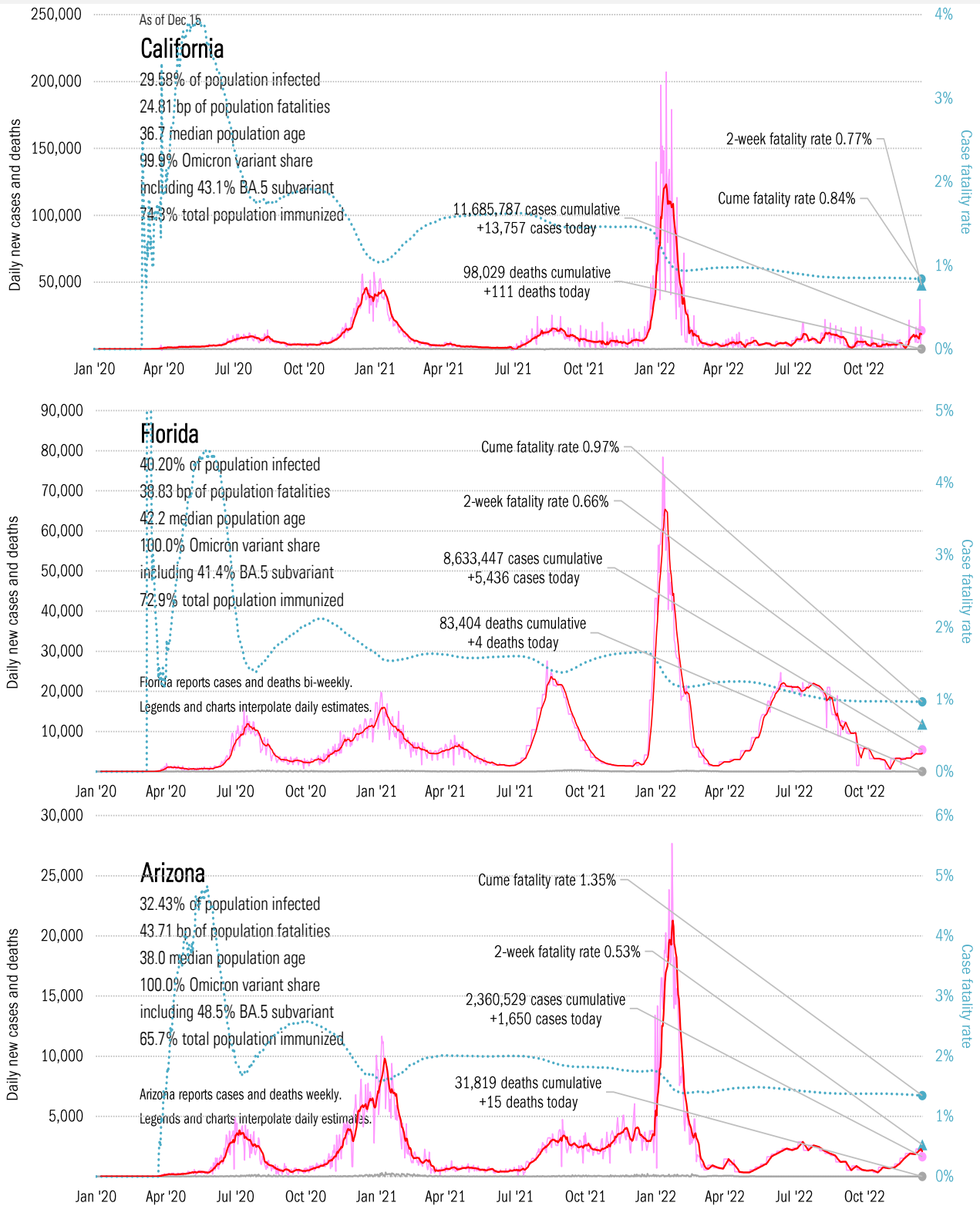
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Source: [Johns Hopkins](#), TrendMacro calculations

The sun-belt hot-spot states

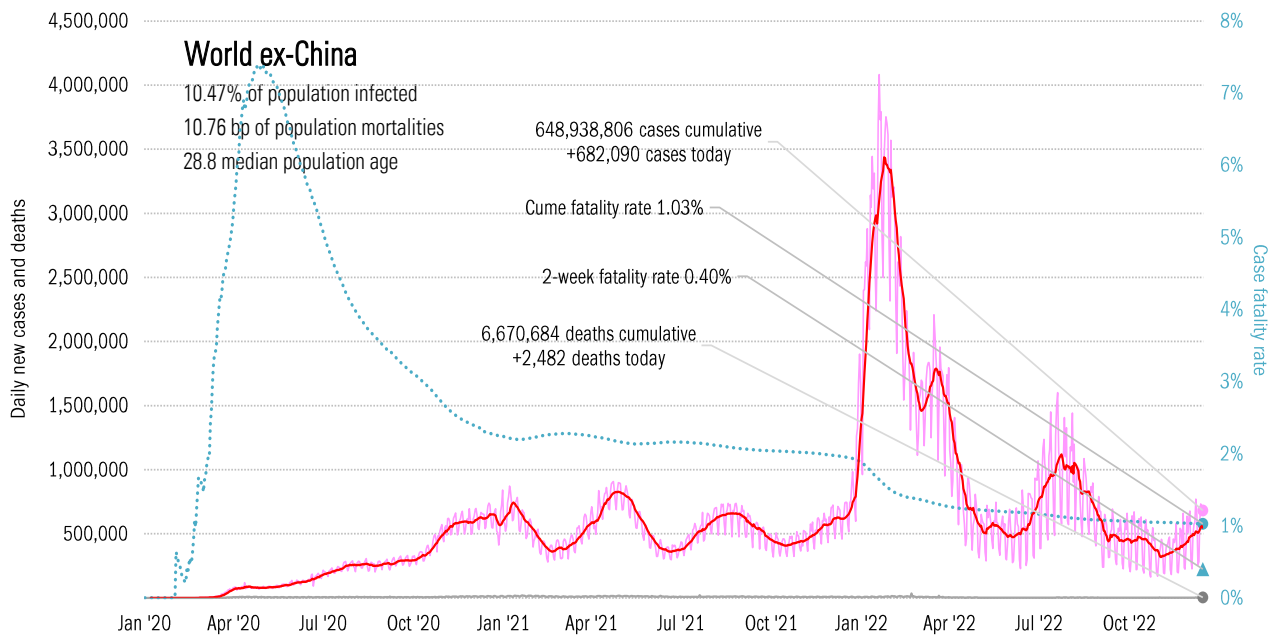
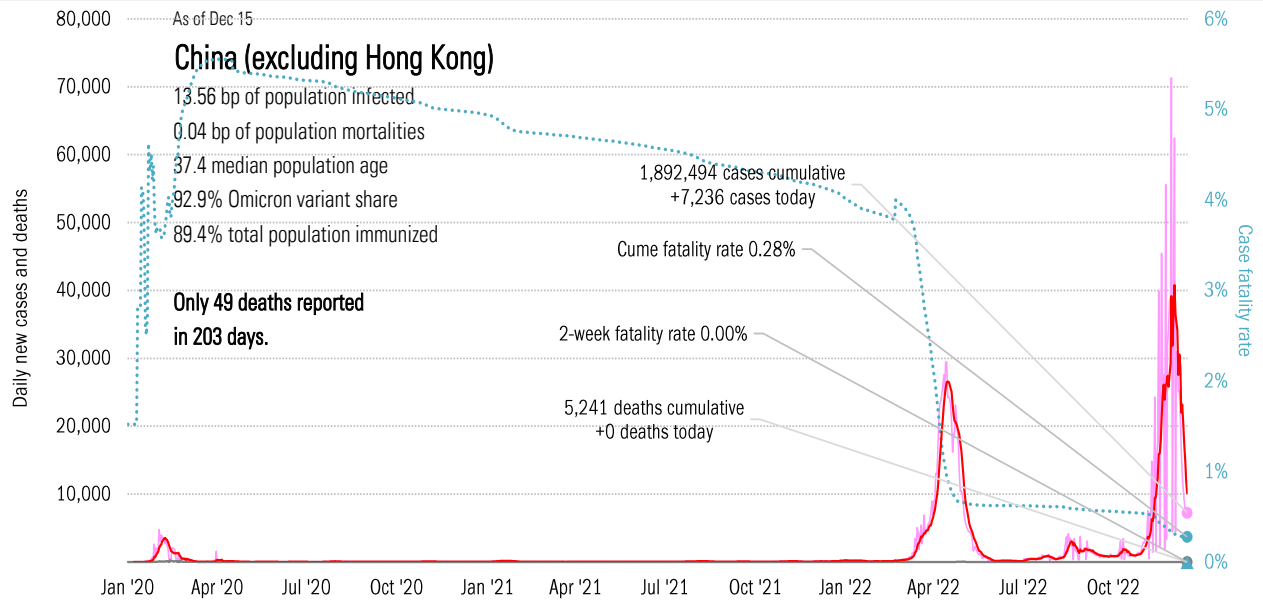
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

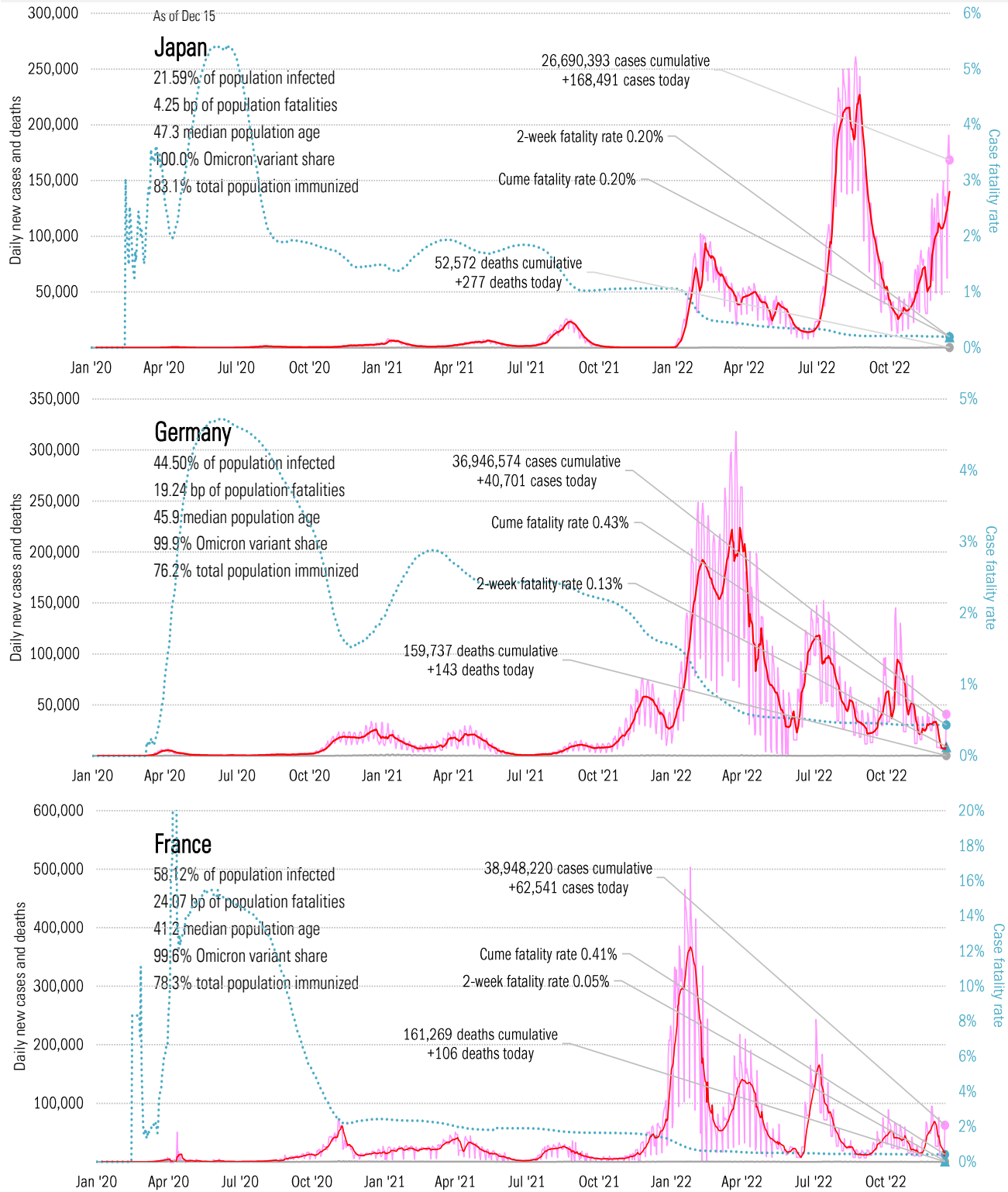
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

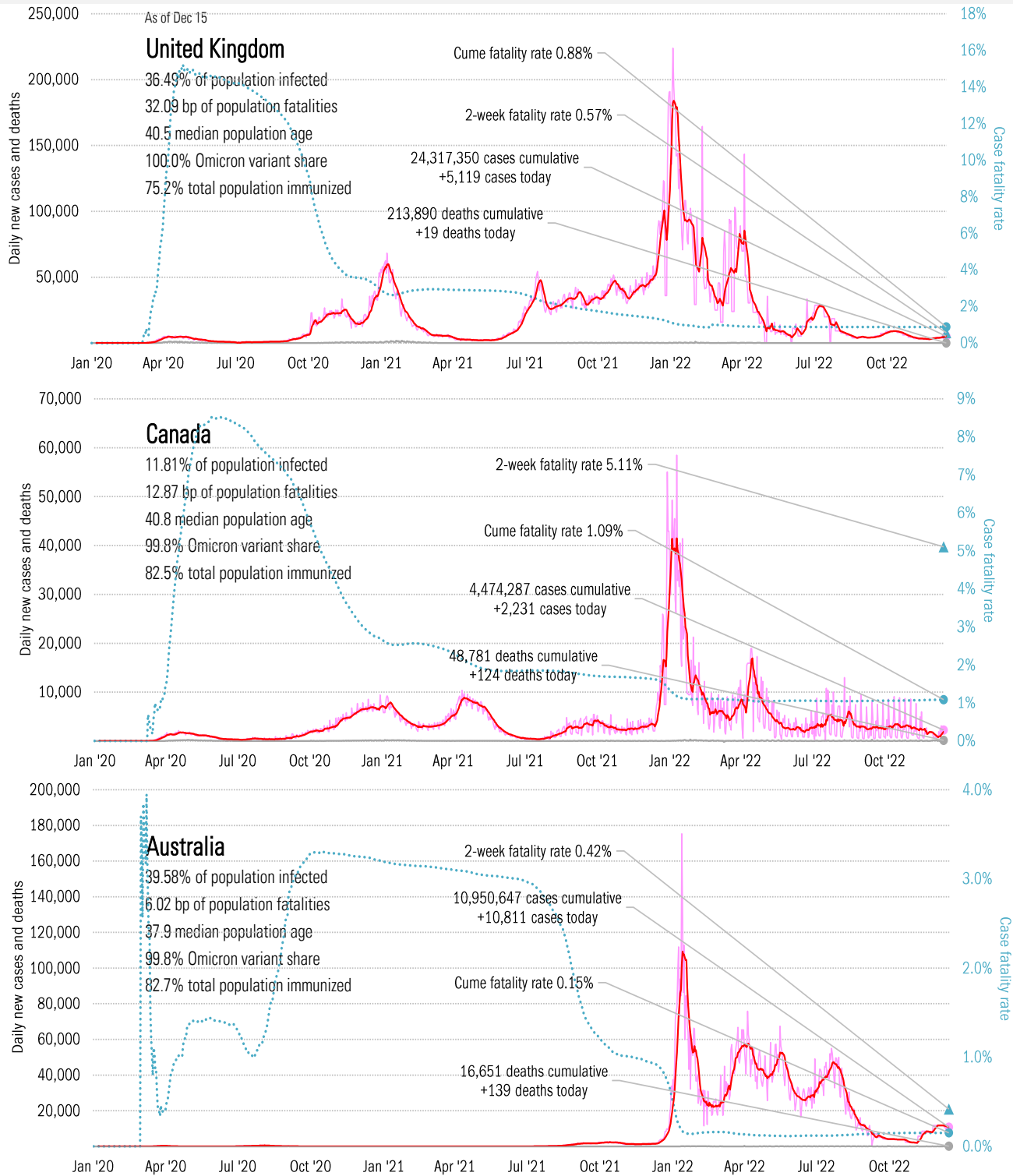
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

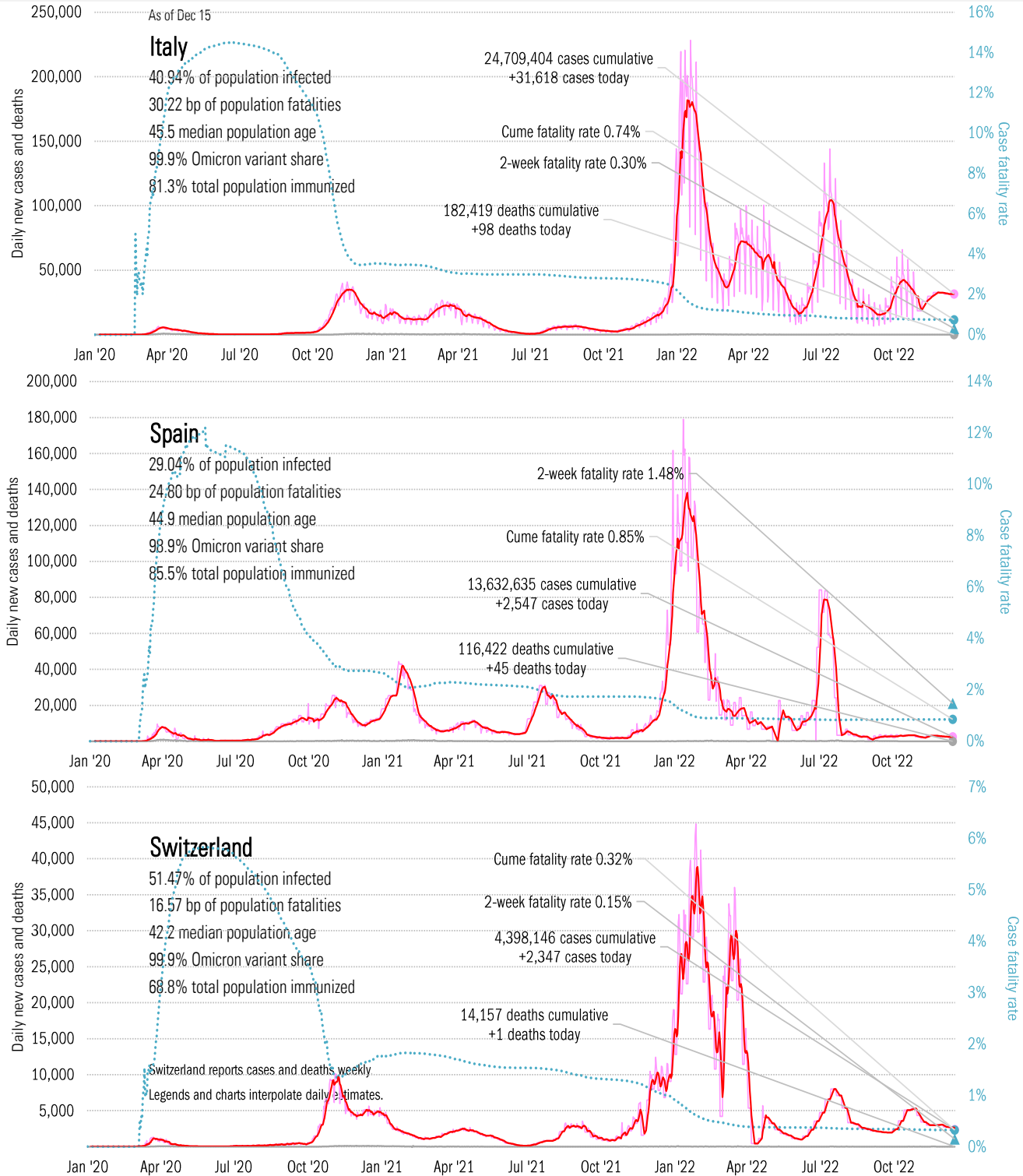
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

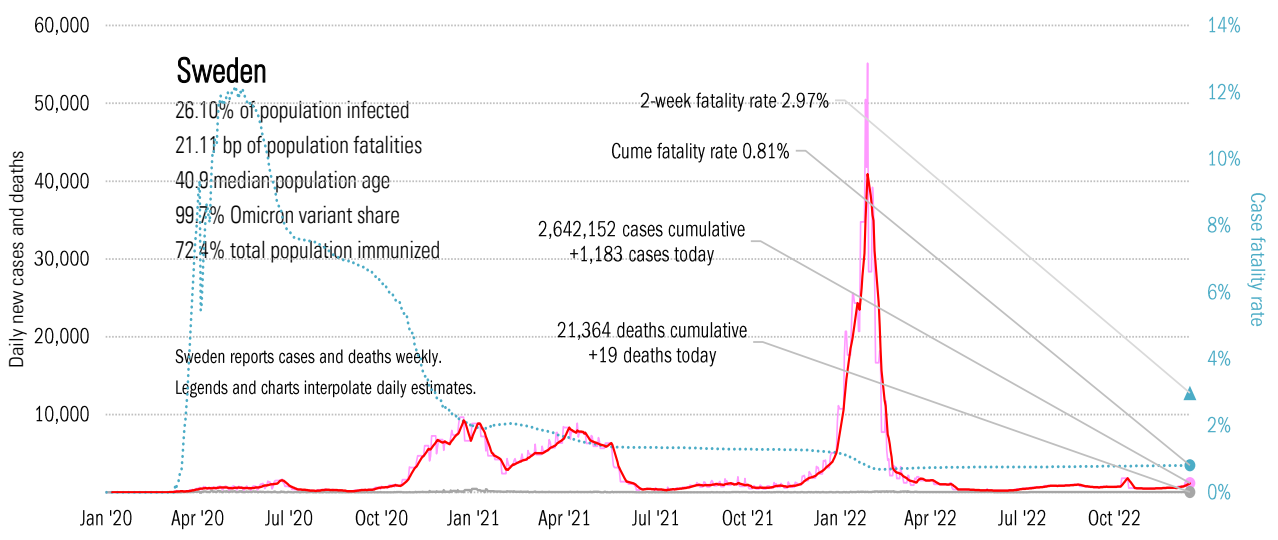
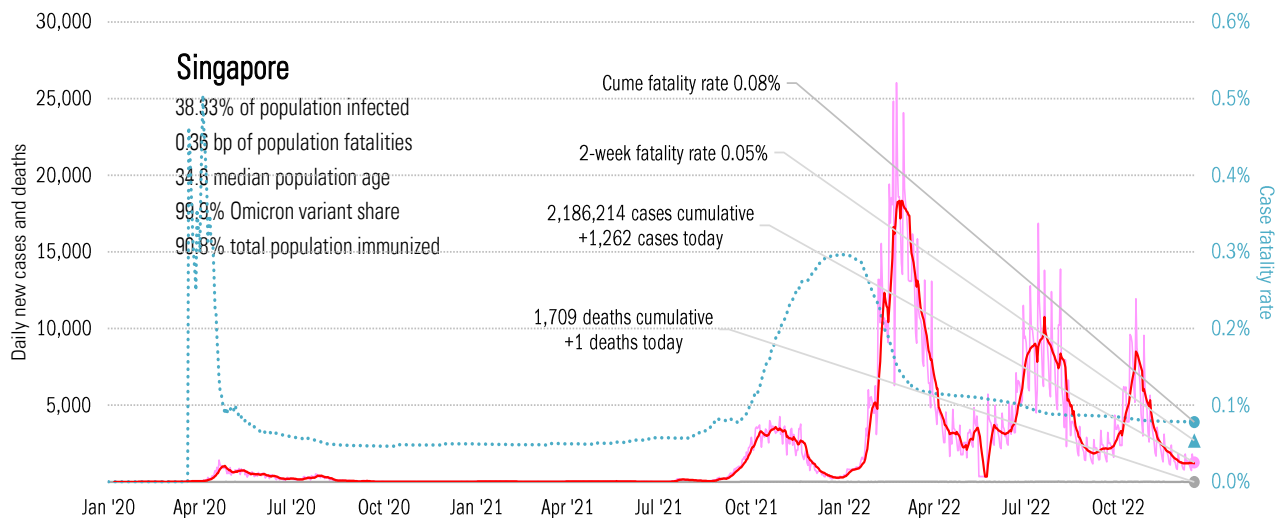
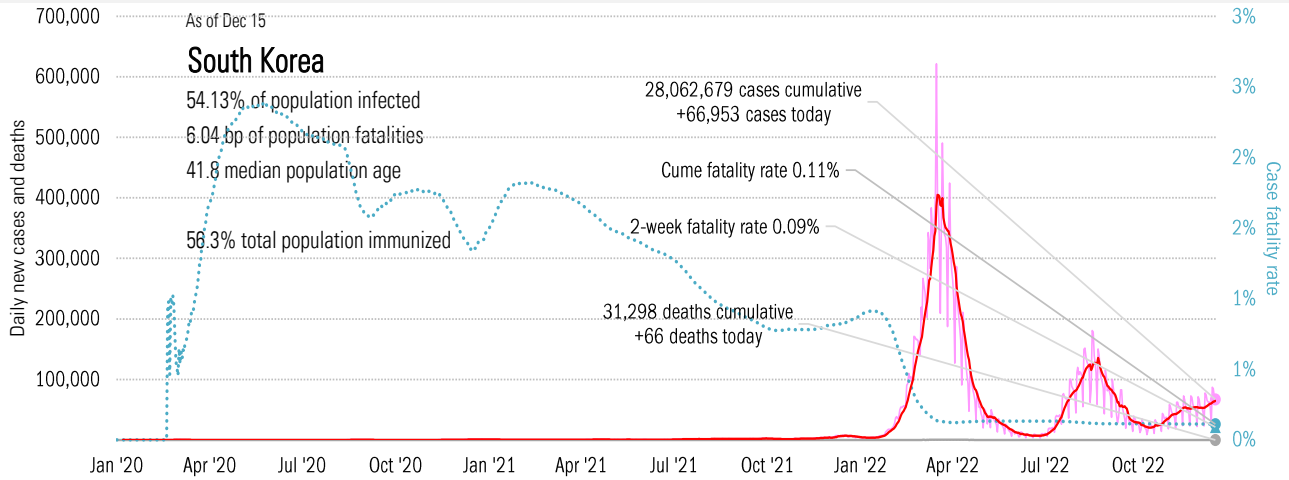
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

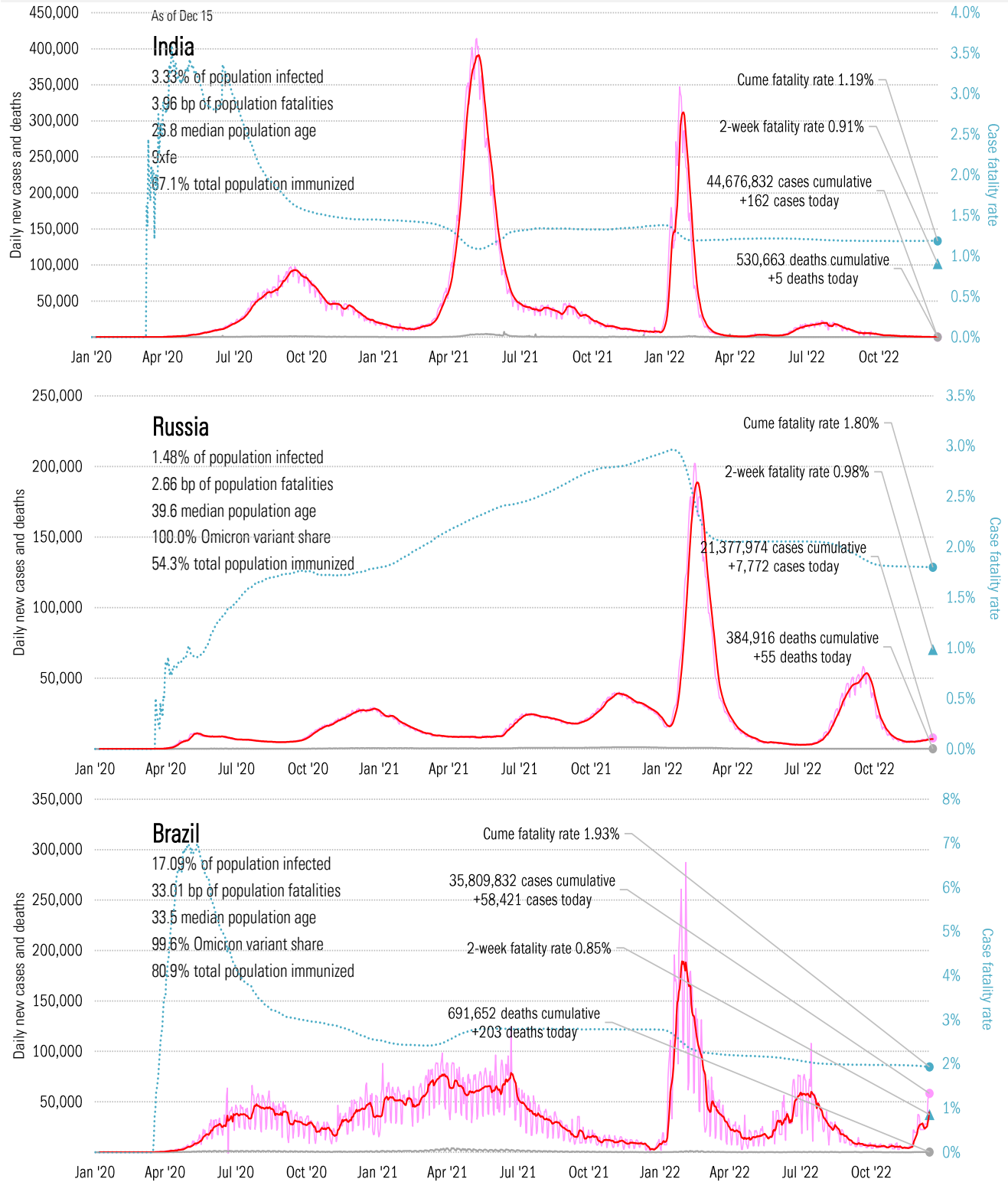
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

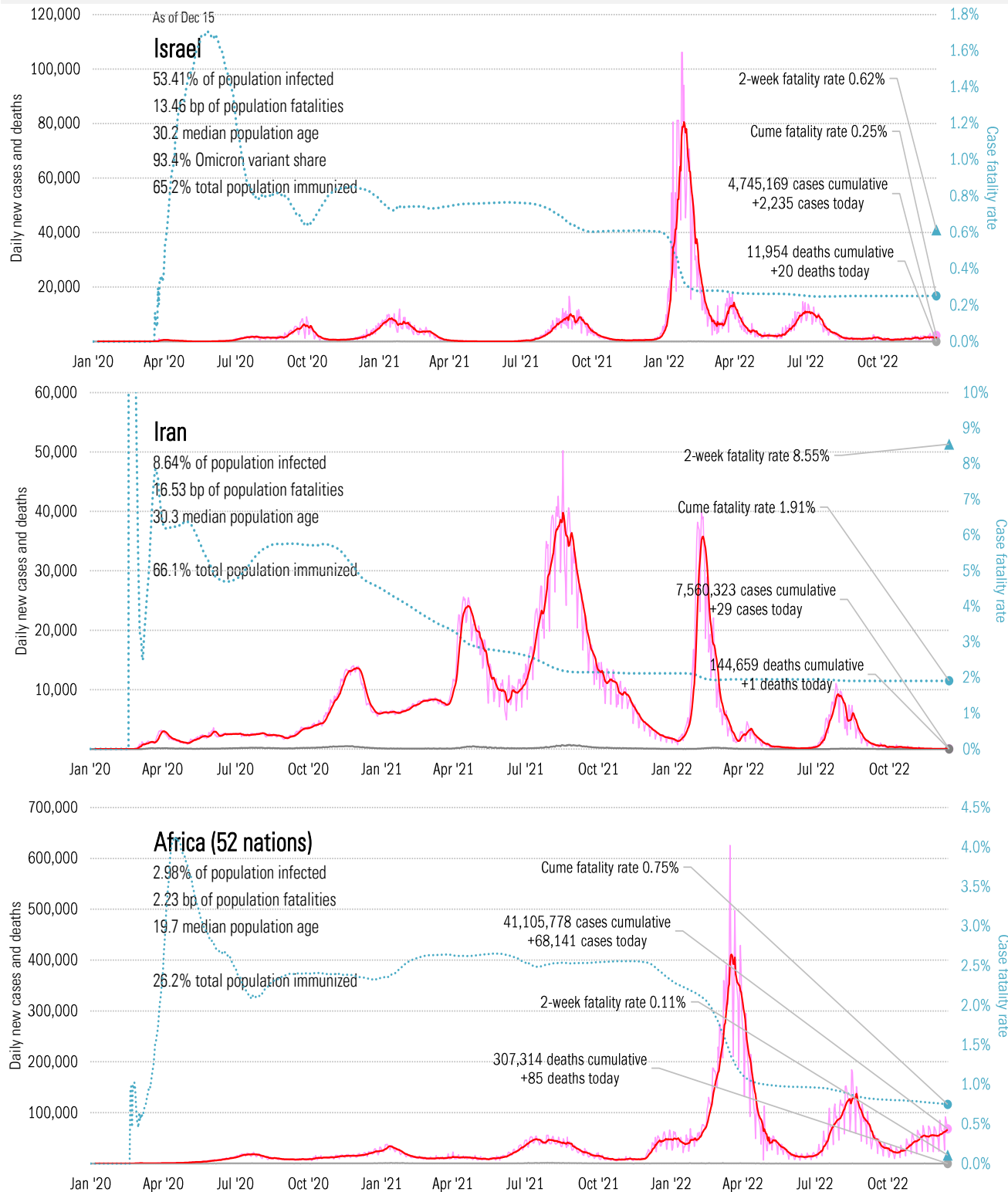
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

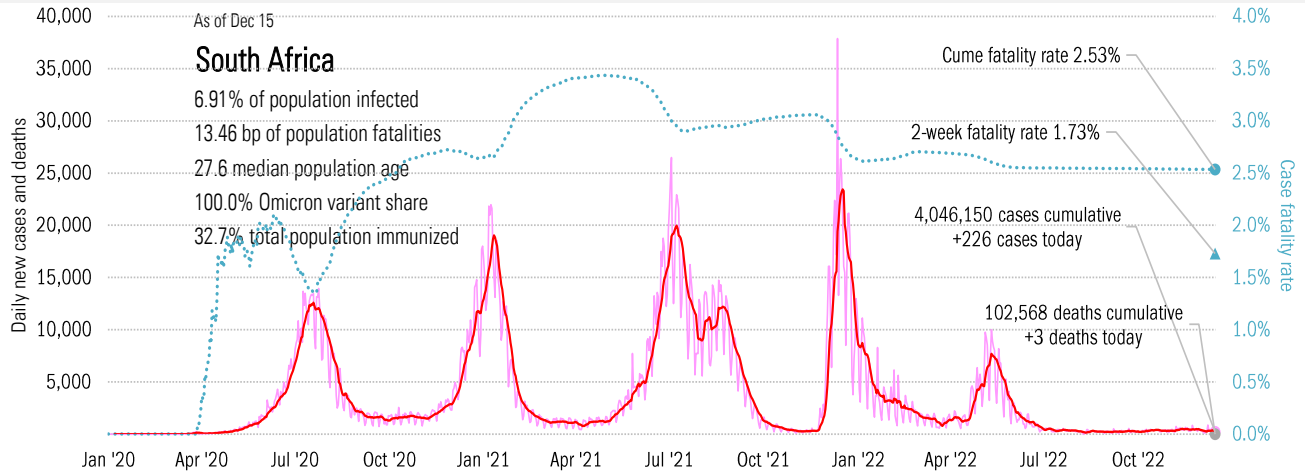
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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