

Data Insights: Covid-2019 Monitor

Tuesday, October 25, 2022

The global scorecard

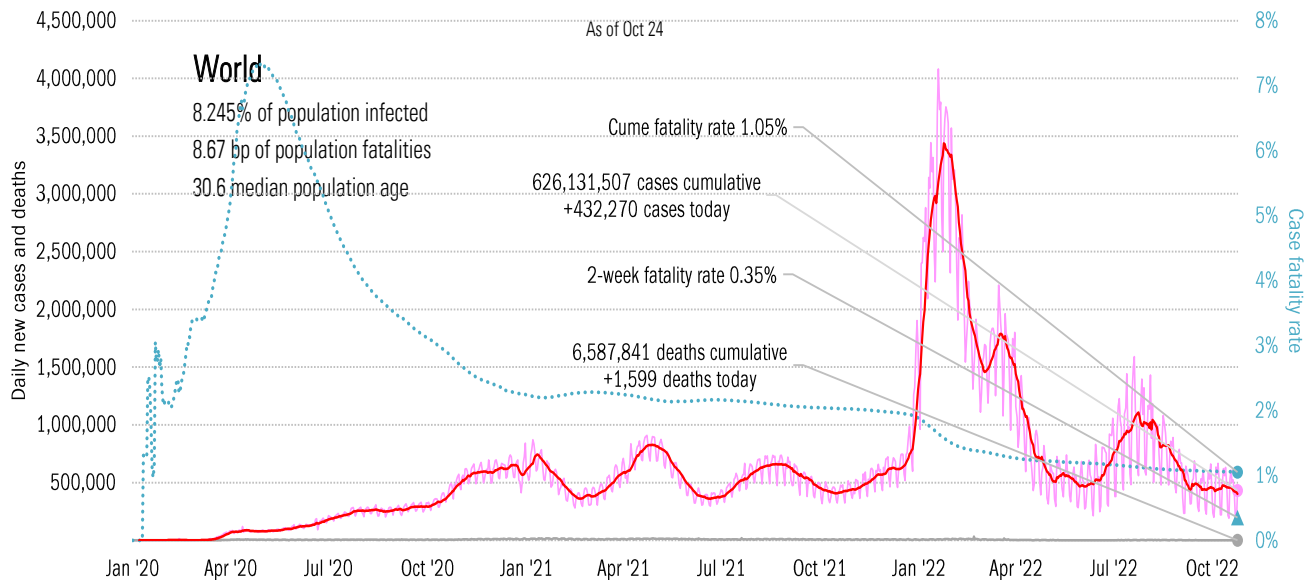
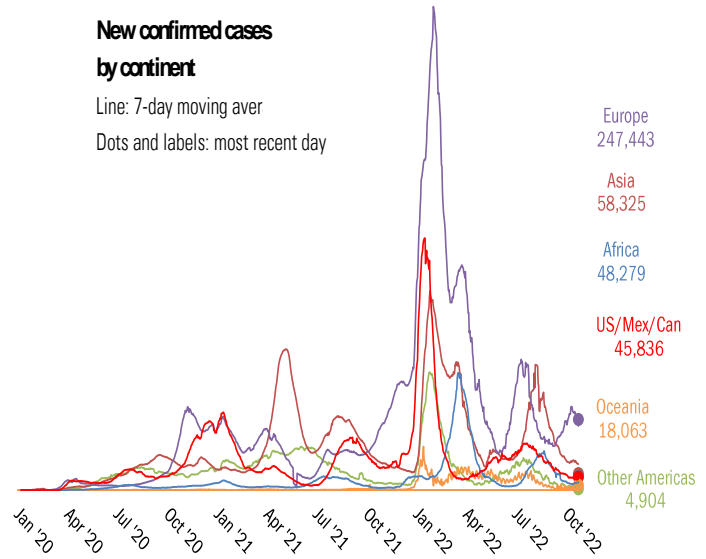
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Germany	115,534	United States	349
France	82,123	Germany	273
United States	46,806	France	172
Korea, South	43,714	Russia	88
Taiwan*	26,320	Canada	87
Japan	16,852	Taiwan*	62
New Zealand	16,344	Brazil	47
Austria	14,332	Denmark	39
Italy	11,605	Italy	39
Russia	7,223	Belgium	37
380,853		1,193	
World	432,270	World	1,599
Top ten	88%	Top ten	75%

New confirmed cases by continent

Line: 7-day moving aver
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

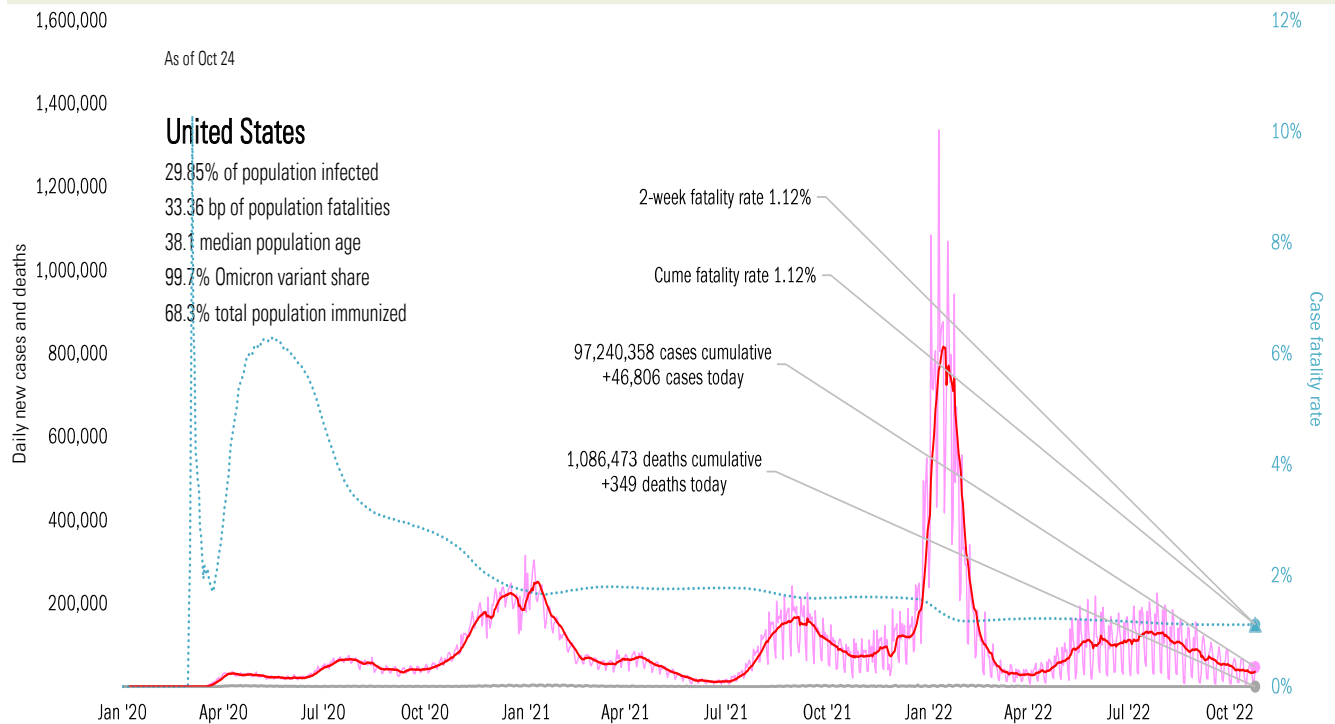
The ten worst US states

New cases			New deaths		New in hospital		Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
NY	6,642		IN	47	NY	340	CA	11,346,090	CA	96,718	TX	549,704	RI	92%	AK	88%			
IL	4,279		NY	34	MI	172	TX	8,027,833	TX	91,109	CA	506,919	MA	88%	RI	87%			
NJ	4,101		TX	28	CA	278	FL	7,190,801	FL	82,301	FL	497,597	MN	85%	MA	85%			
TX	3,344		MI	25	TX	183	NY	6,221,316	NY	72,619	NY	307,668	MO	84%	TX	84%			
FL	2,865		FL	22	PA	210	IL	3,800,317	PA	47,582	GA	227,365	DE	84%	NC	83%			
MI	1,773		PA	20	CH	161	PA	3,293,037	GA	40,552	CH	221,601	WA	83%	NH	82%			
CH	1,585		GA	15	CO	47	NC	3,220,858	CH	40,111	PA	207,848	KY	83%	WA	82%			
PA	1,448		WA	12	IN	74	CH	3,173,375	IL	39,918	IL	189,825	MD	83%	AL	82%			
NC	1,432		MA	12	GA	95	GA	2,917,301	MI	39,092	MI	165,710	WV	83%	NM	80%			
CA	1,392		VA	10	WI	79	MI	2,874,009	NJ	34,862	KY	146,134	GA	82%	VT	80%			
28,861			224		1,639		52,064,937			584,864			3,019,371						
All states 46,806			349		3,393		All states 97,240,358			1,086,473			5,480,497			All states 70%		67%	
Top ten 62%			64%		48%		Top ten 54%			55%			55%			Median 76%		75%	

Some states not reporting

Five most improved US states

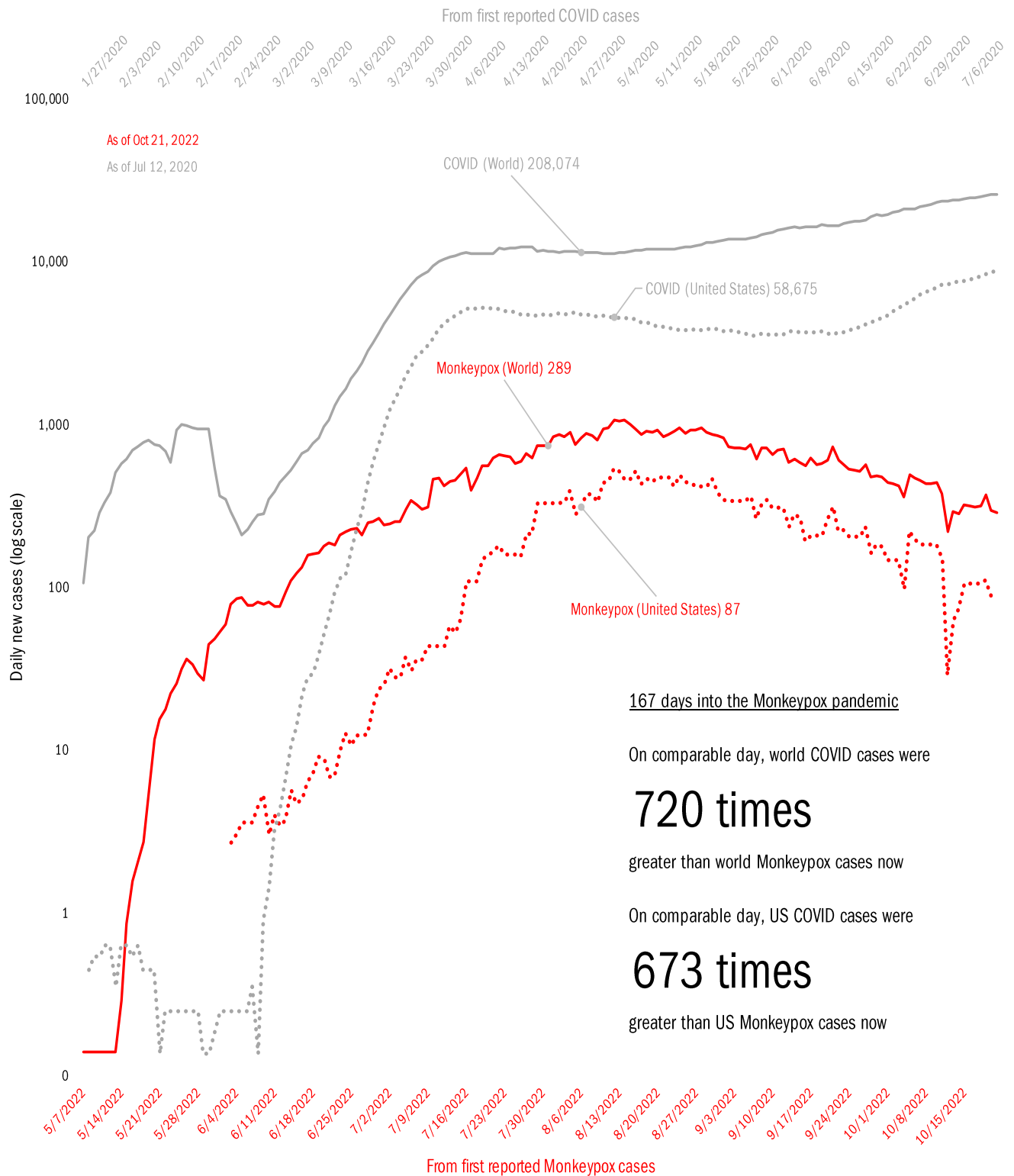
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
MO	-2,661	NY	-184	IL	-32
WA	-647	TX	-18	NJ	-24
KS	-369	FL	-16	OR	-19
PA	-101	MO	-12	RI	-17
MD	-12	WA	-11	DE	-13



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

The Monkeypox contextualizer

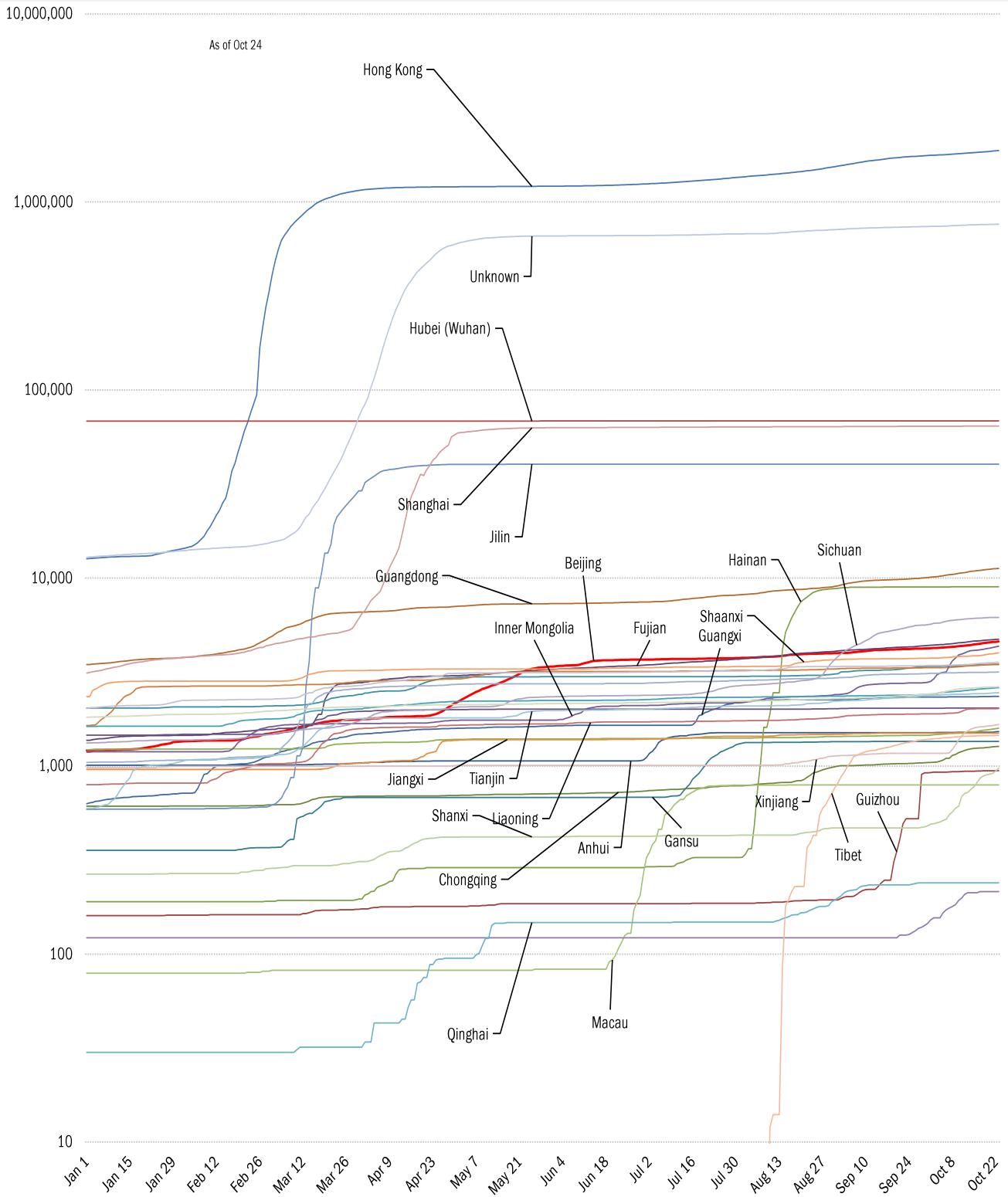
The course of case growth versus COVID



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

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

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

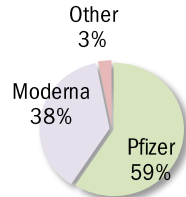


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	648,750,535		+0.738 million	US	68.3%	80.0%
of which boosters	113,645,892		+0.078 million	UK	75.5%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	273,846,111	82%	233,314,181	70%	+0.058 million	France 78.7% 81.0%
Age 12 to 17	18,280,111	72%	15,624,127	62%	+0.002 million	Spain 85.6% 87.0%
Age 18 to 64	182,419,383	90%	155,060,039	76%	+0.029 million	Germany 76.1% 77.7%
Age 65 and over	60,341,000	100%	52,811,521	96%	+0.016 million	Italy 81.0% 85.8%
						Australia 84.0% 86.6%
						Israel 66.3% 72.3%
						Canada 82.9% 88.1%
						Japan 82.6% 83.7%
						Africa 24.2% 30.1%
						India 67.5% 73.0%
						Brazil 80.4% 87.4%
						China 89.2% 91.4%



AK	72.0%
	64.4%

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

Best
Middle
Worst

"Immunity" = two doses

WI	73.9%
	67.3%

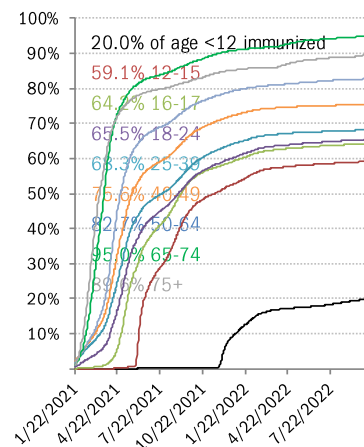
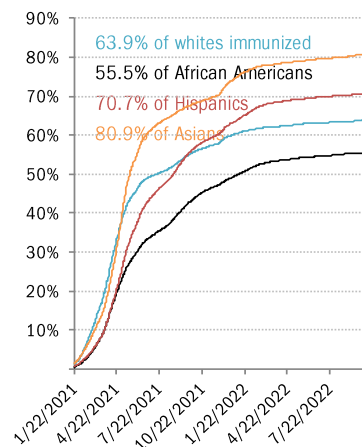
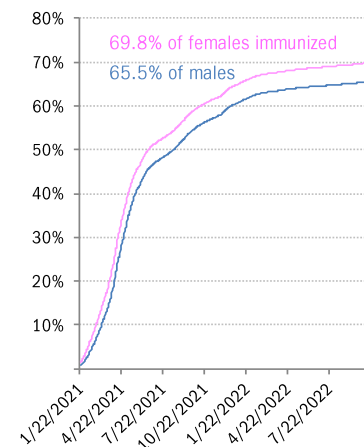
As of Oct 21

ME	94.6%
	82.1%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
83.7%	63.0%	67.2%	68.0%	77.5%	78.1%	68.6%	92.9%	95.0%	84.8%	
74.8%	55.7%	58.4%	57.4%	71.0%	70.3%	61.6%	79.4%	83.9%	69.7%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
80.2%	77.6%	59.8%	81.0%	69.7%	63.6%	64.9%	88.5%	93.2%	95.0%	
71.3%	62.6%	52.3%	64.6%	63.5%	57.2%	59.7%	71.5%	77.9%	82.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
85.2%	74.3%	82.2%	72.3%	68.2%	67.9%	66.7%	88.9%	90.0%	95.0%	95.0%
74.2%	65.9%	72.4%	65.3%	58.0%	58.9%	59.1%	75.4%	78.3%	81.8%	86.1%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
76.4%	91.7%	74.9%	68.8%	63.8%	89.2%	69.9%	95.0%	86.3%		
63.8%	73.7%	64.1%	56.1%	55.8%	65.0%	59.0%	82.1%	71.8%		
OK	LA	MS	AL	GA						
73.4%	62.3%	61.1%	64.3%	67.3%						
59.4%	54.6%	53.3%	52.5%	56.4%						
TX										
75.0%										
62.4%										
HI										
90.2%										
80.5%										
FL										
81.4%										
68.6%										
PR										
95.0%										
85.9%										

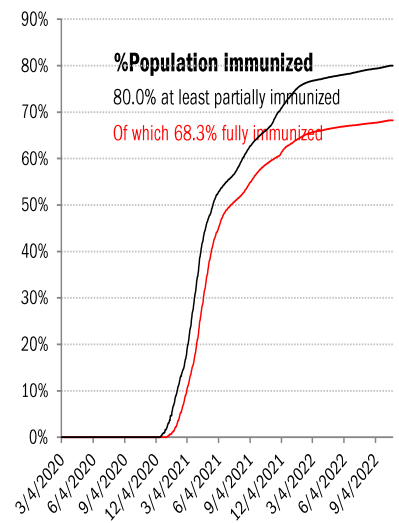
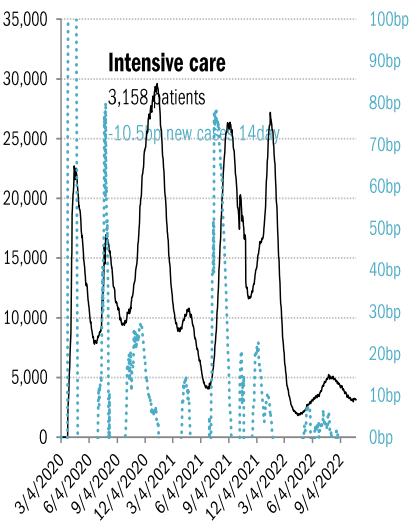
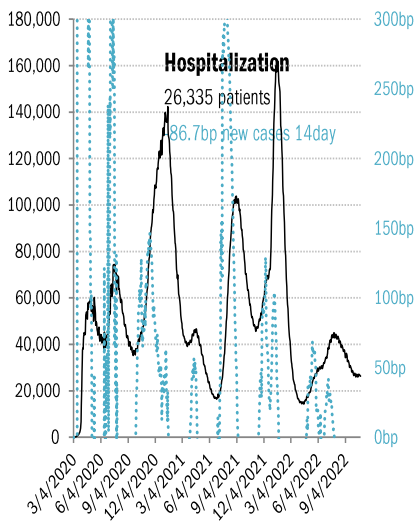
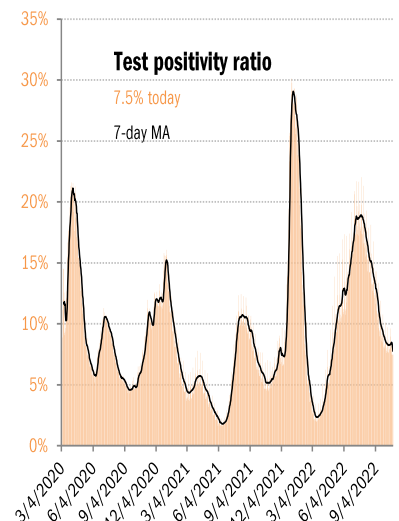
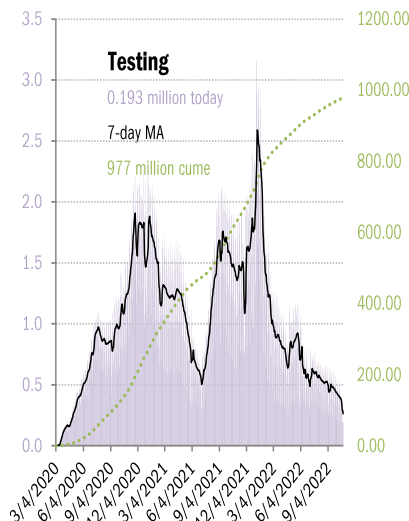
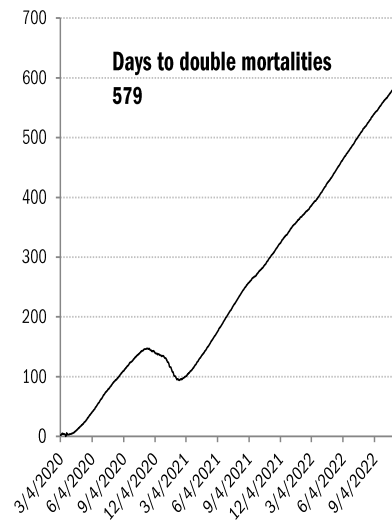
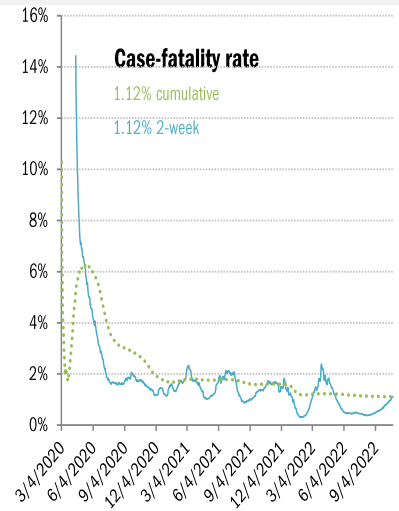
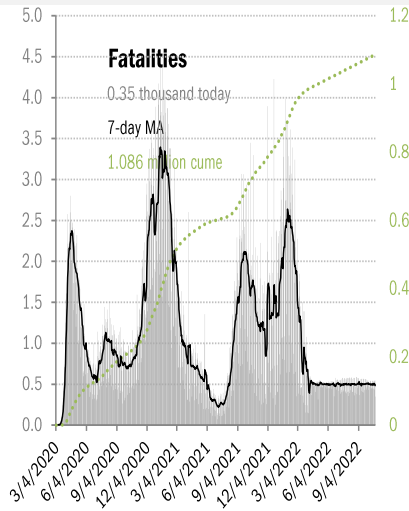
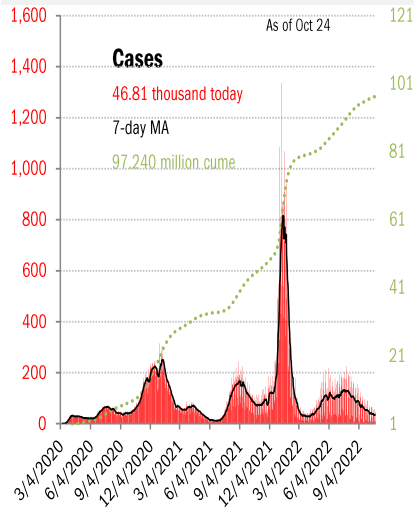
Global data differs due to sources, timing

The demographics of US vaccination

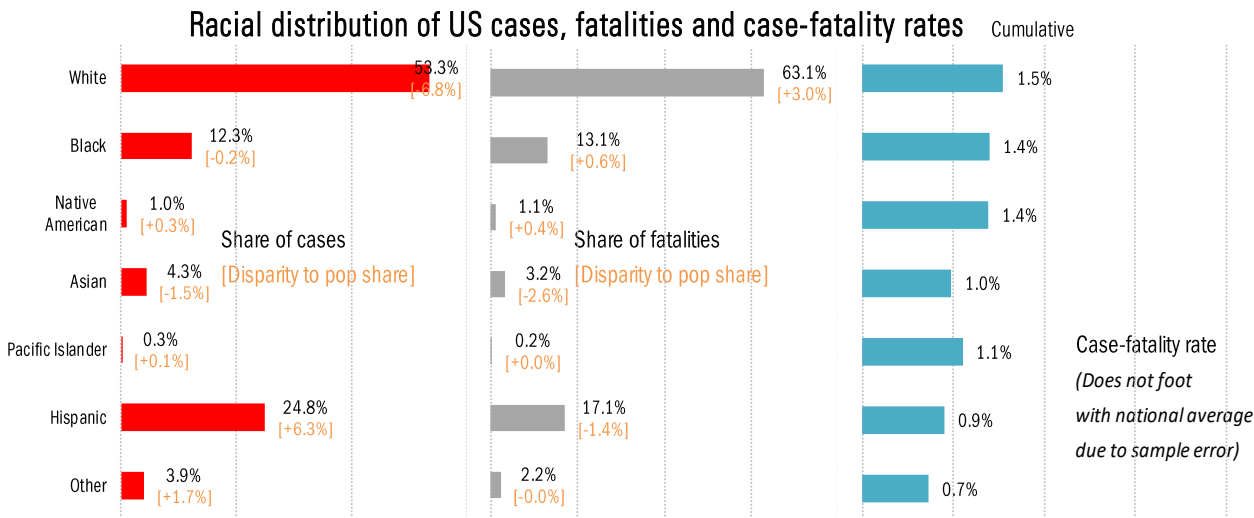
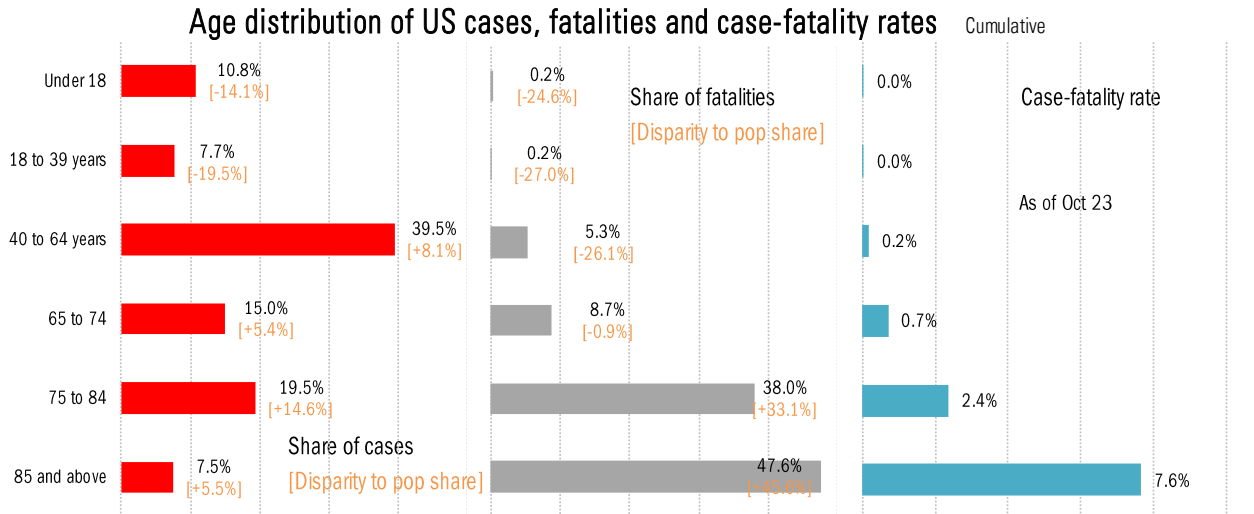


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

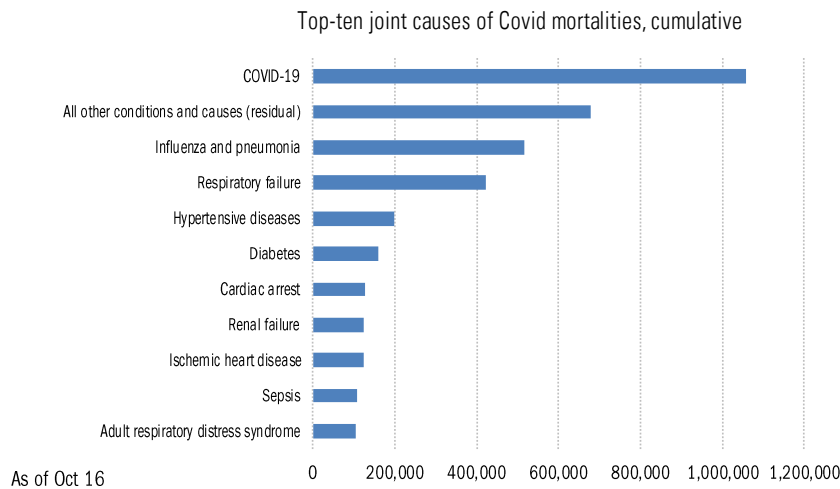
US deep-dive



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

[The School Lockdown Catastrophe](#)

Wall Street Journal

October 24, 2022

[The Bivalent Booster Boondoggle](#)

Joel Zinberg

Wall Street Journal

October 24, 2022

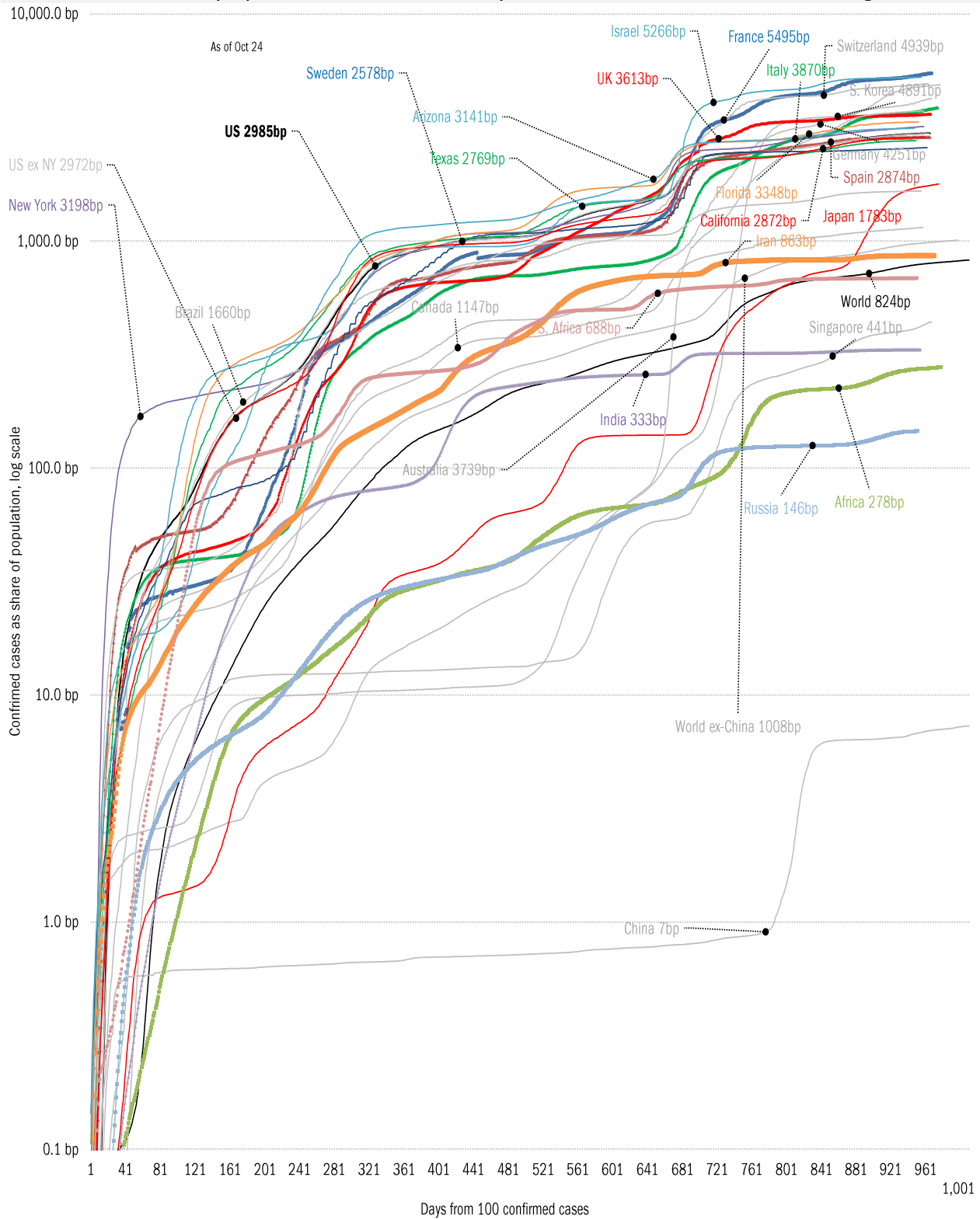
Meme of the day



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

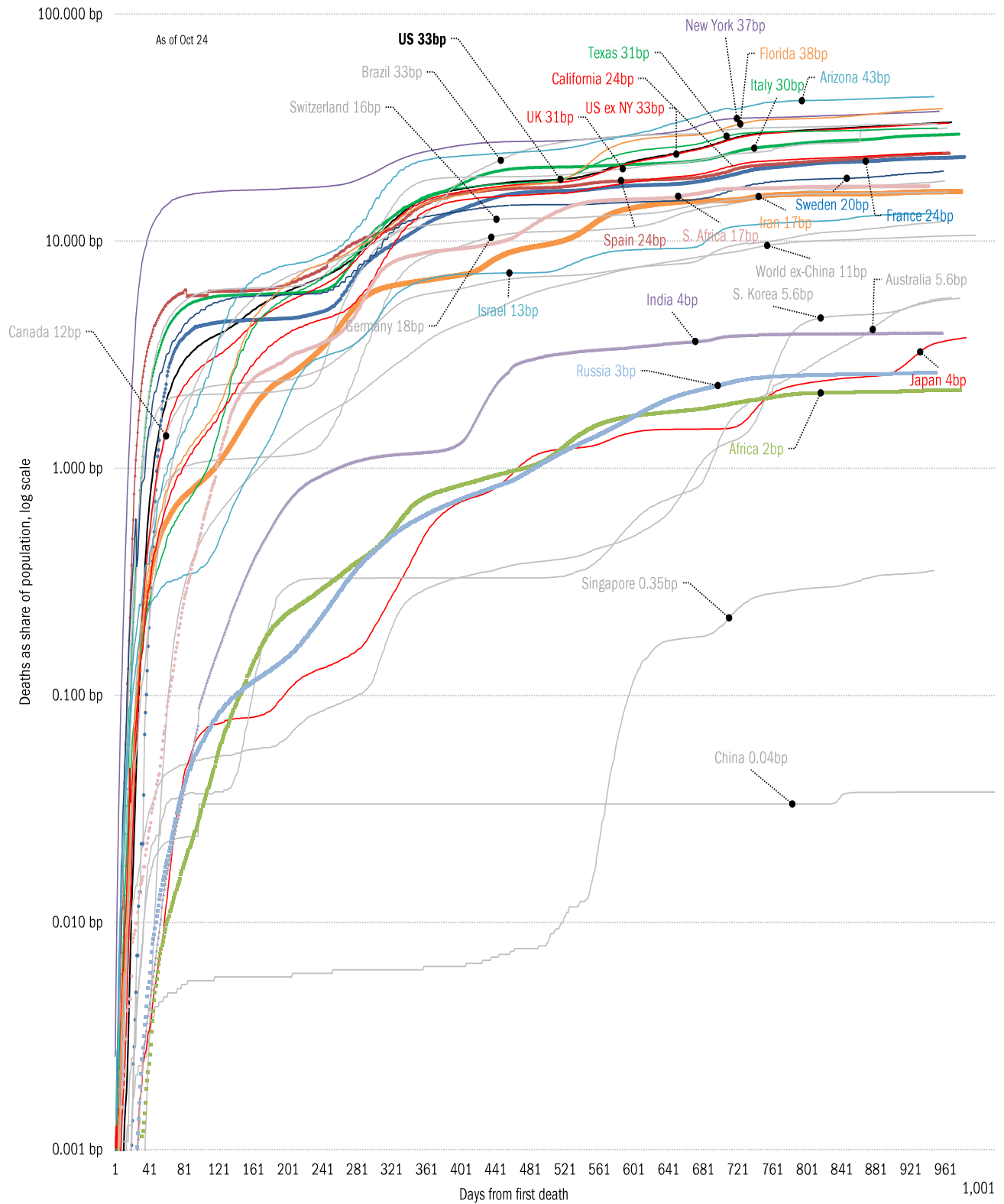
The global coronavirus case accelerometer... tracking the world's infection curves

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

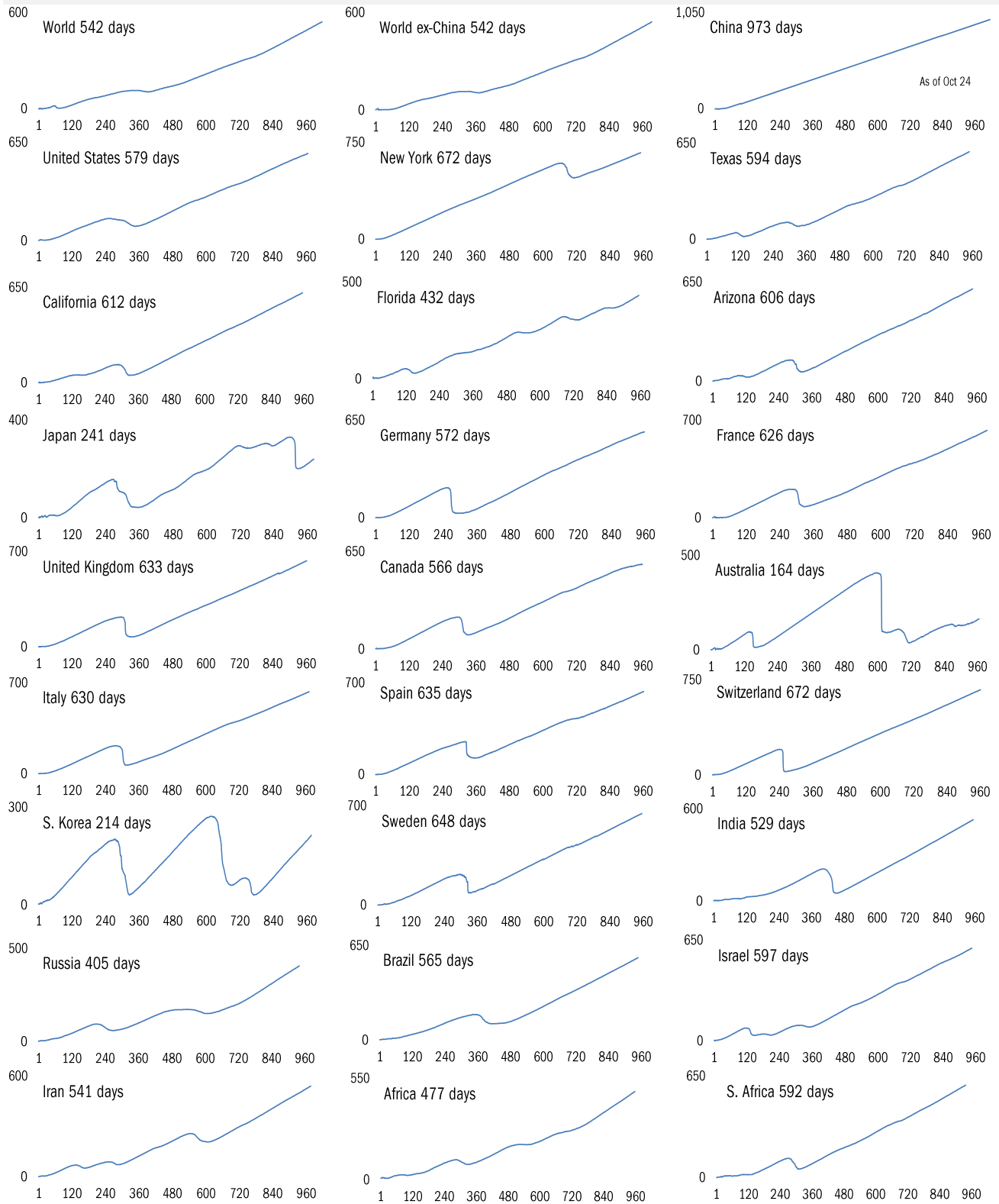


Source: [Johns Hopkins](#), TrendMacro calculations

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

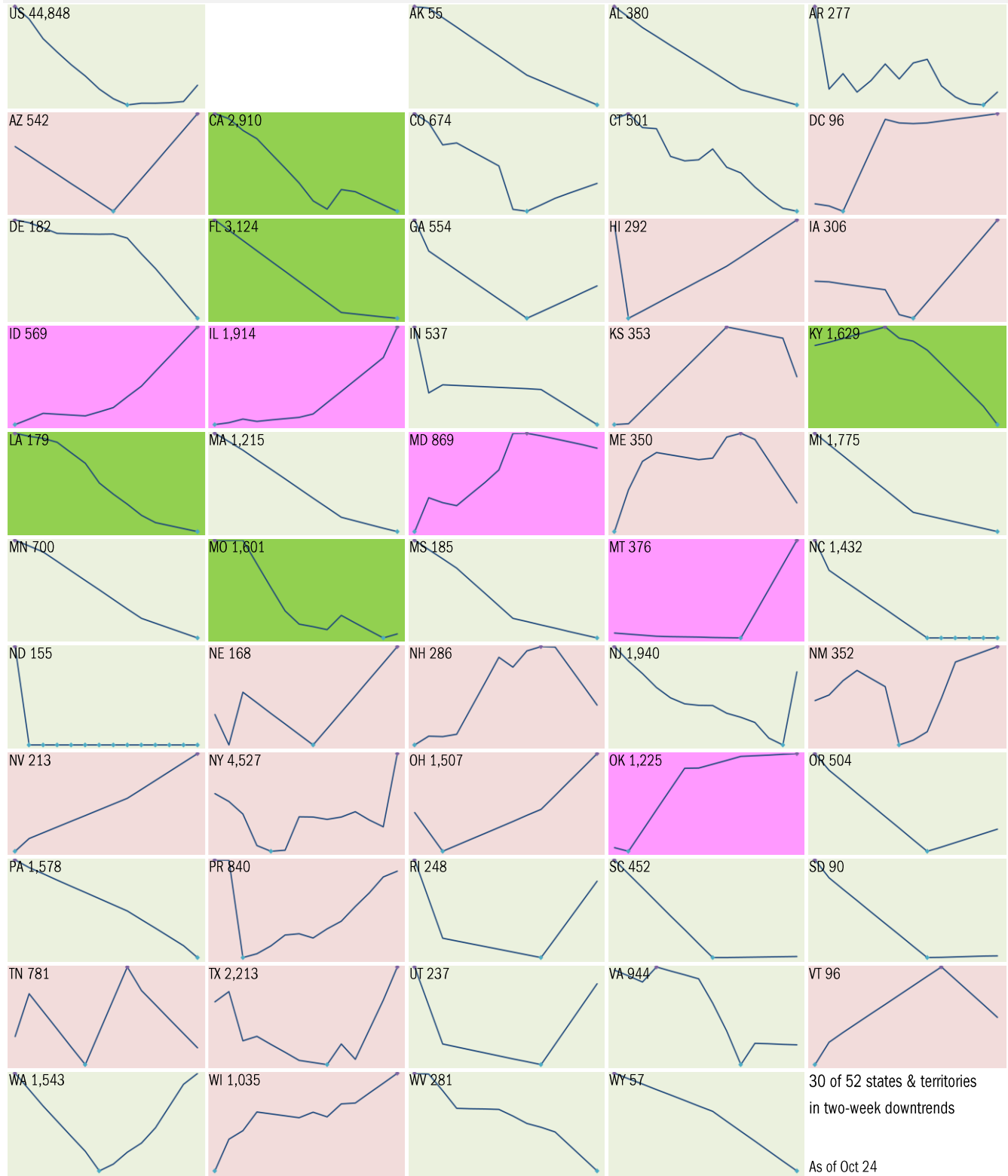


Source: [Johns Hopkins](#), TrendMacro calculations

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

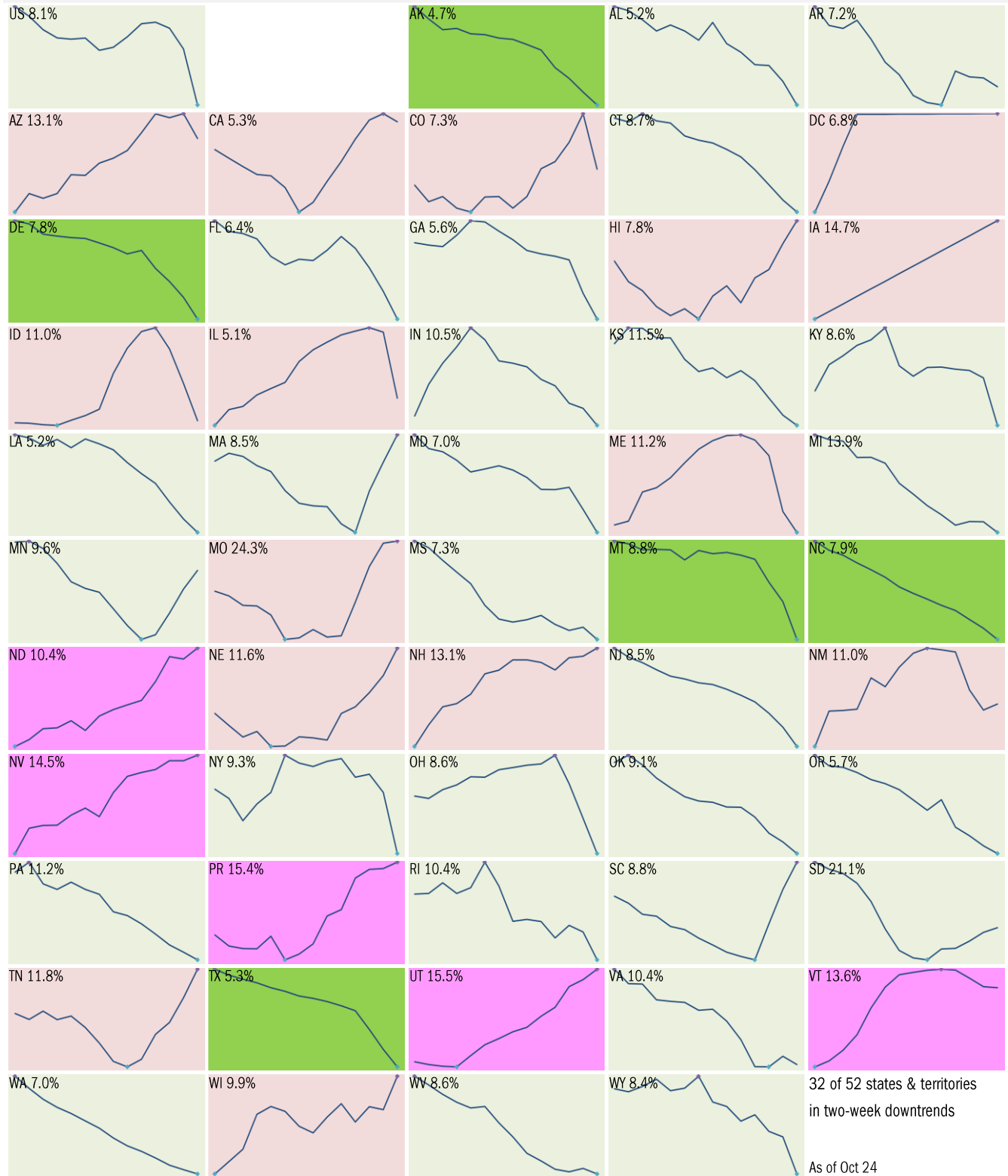


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

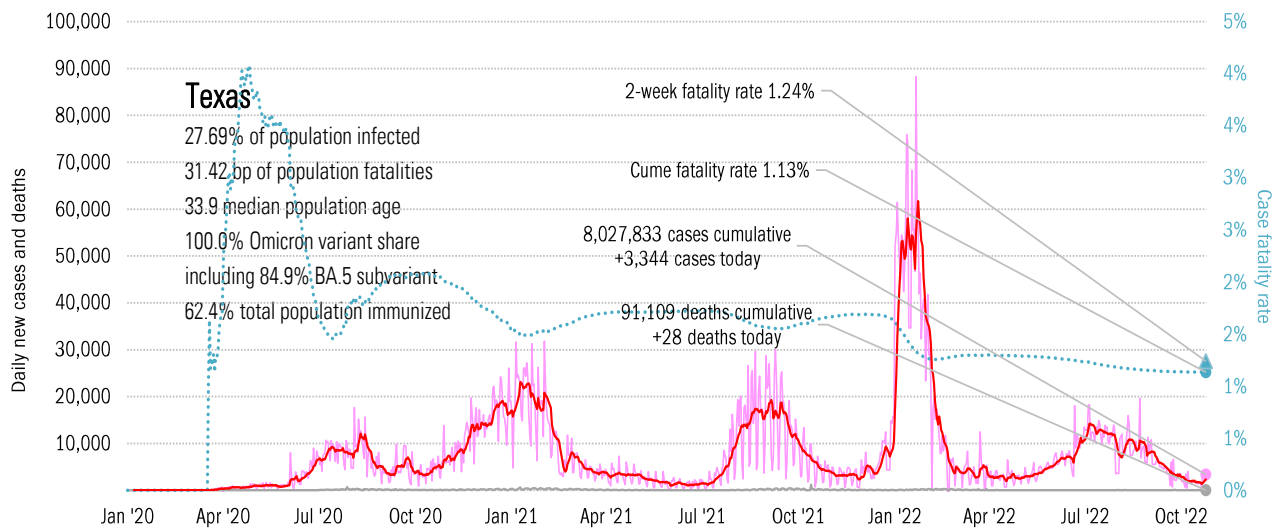
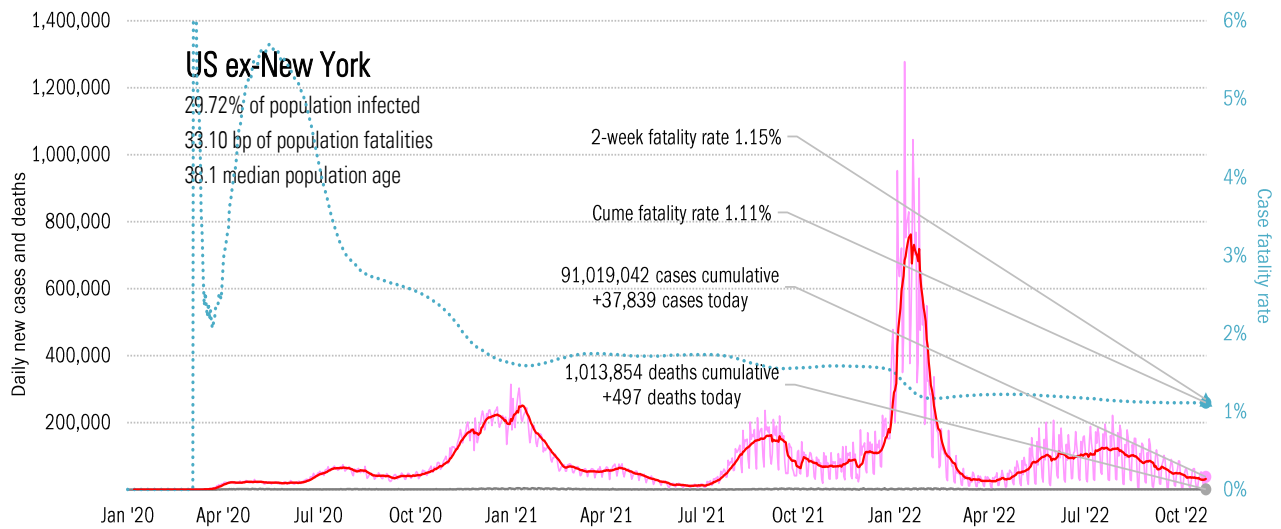
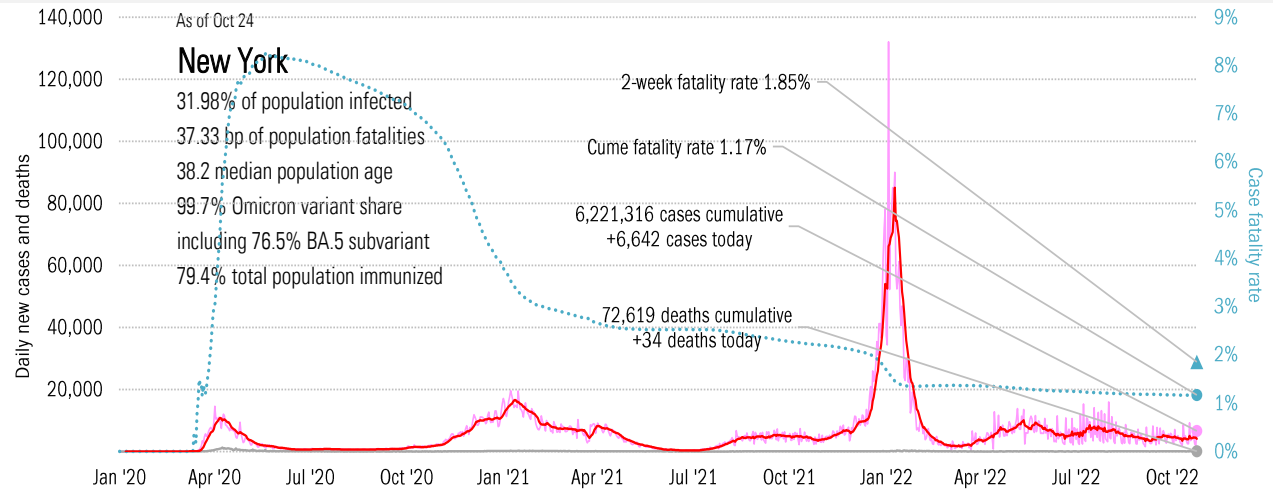
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

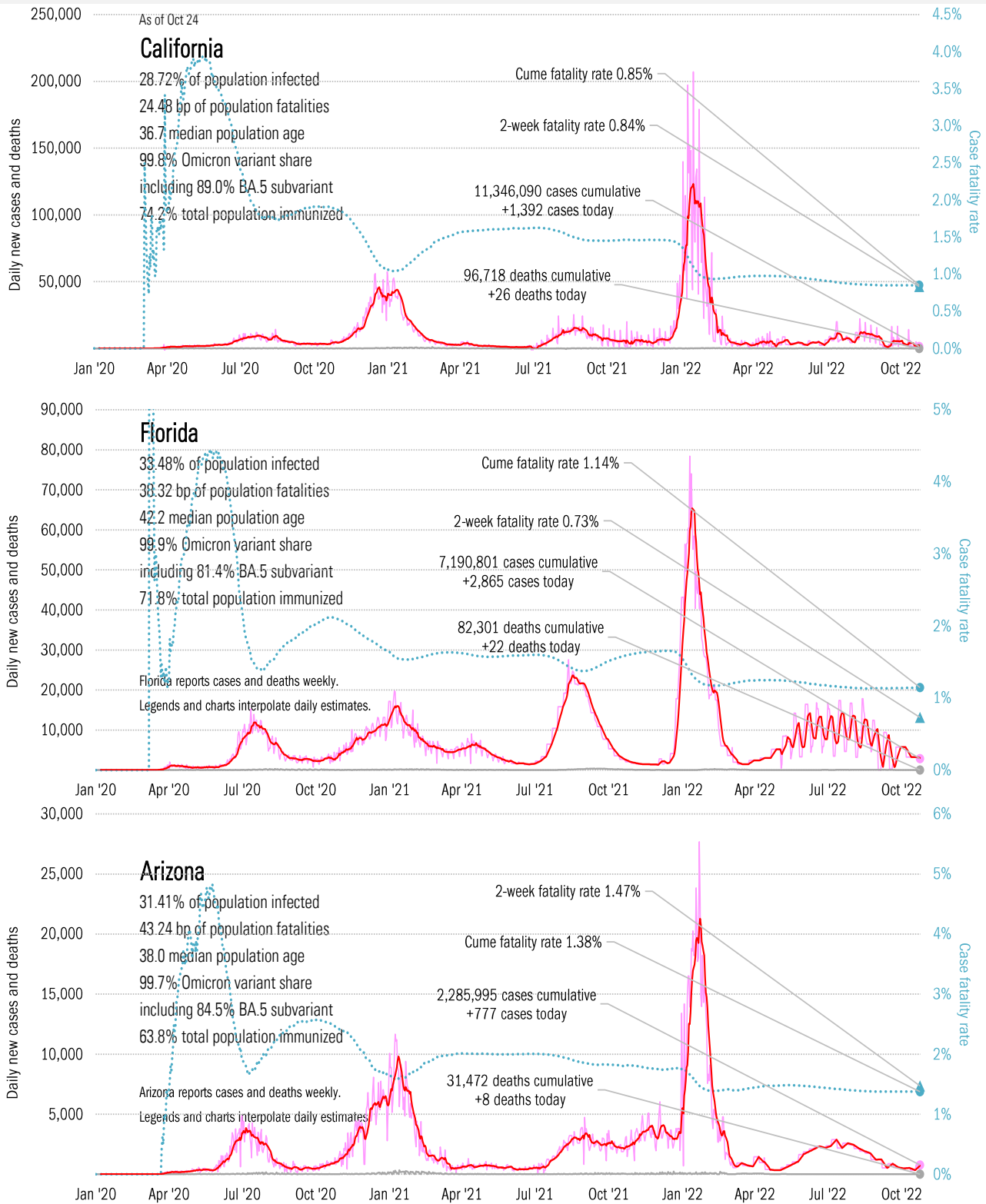
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

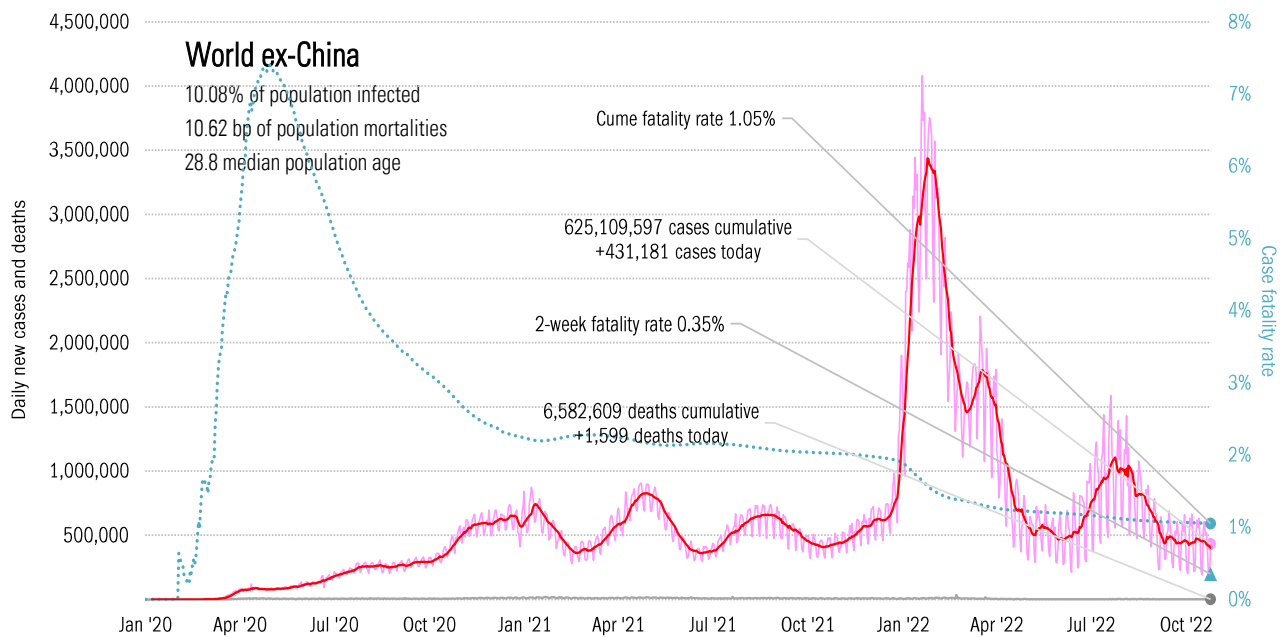
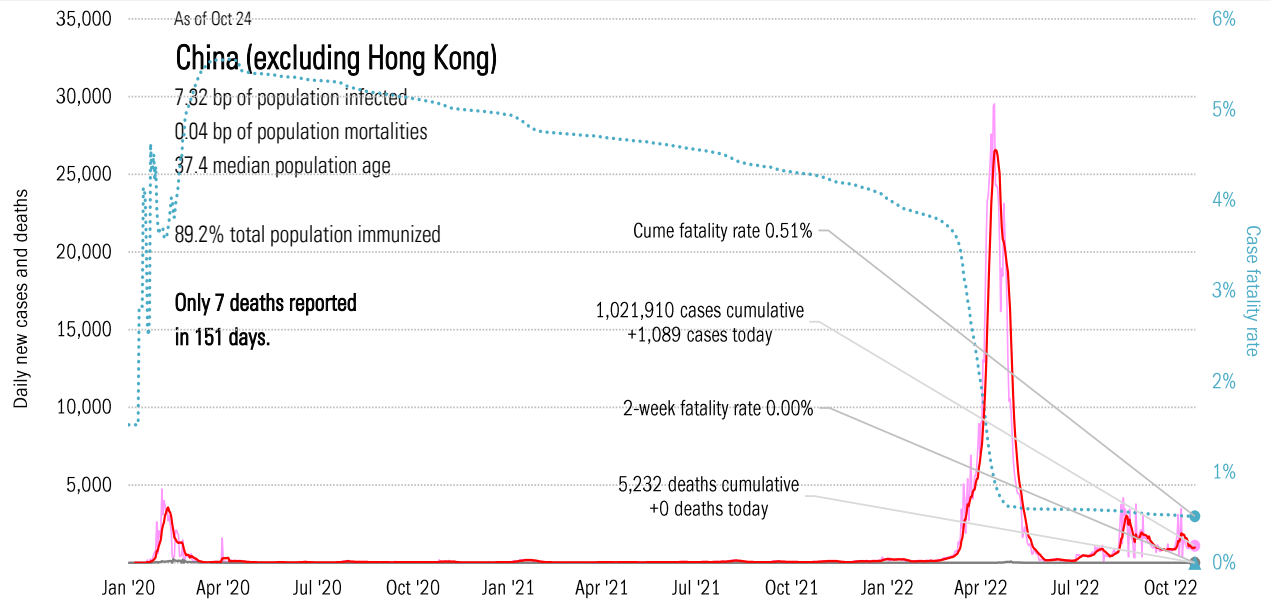
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

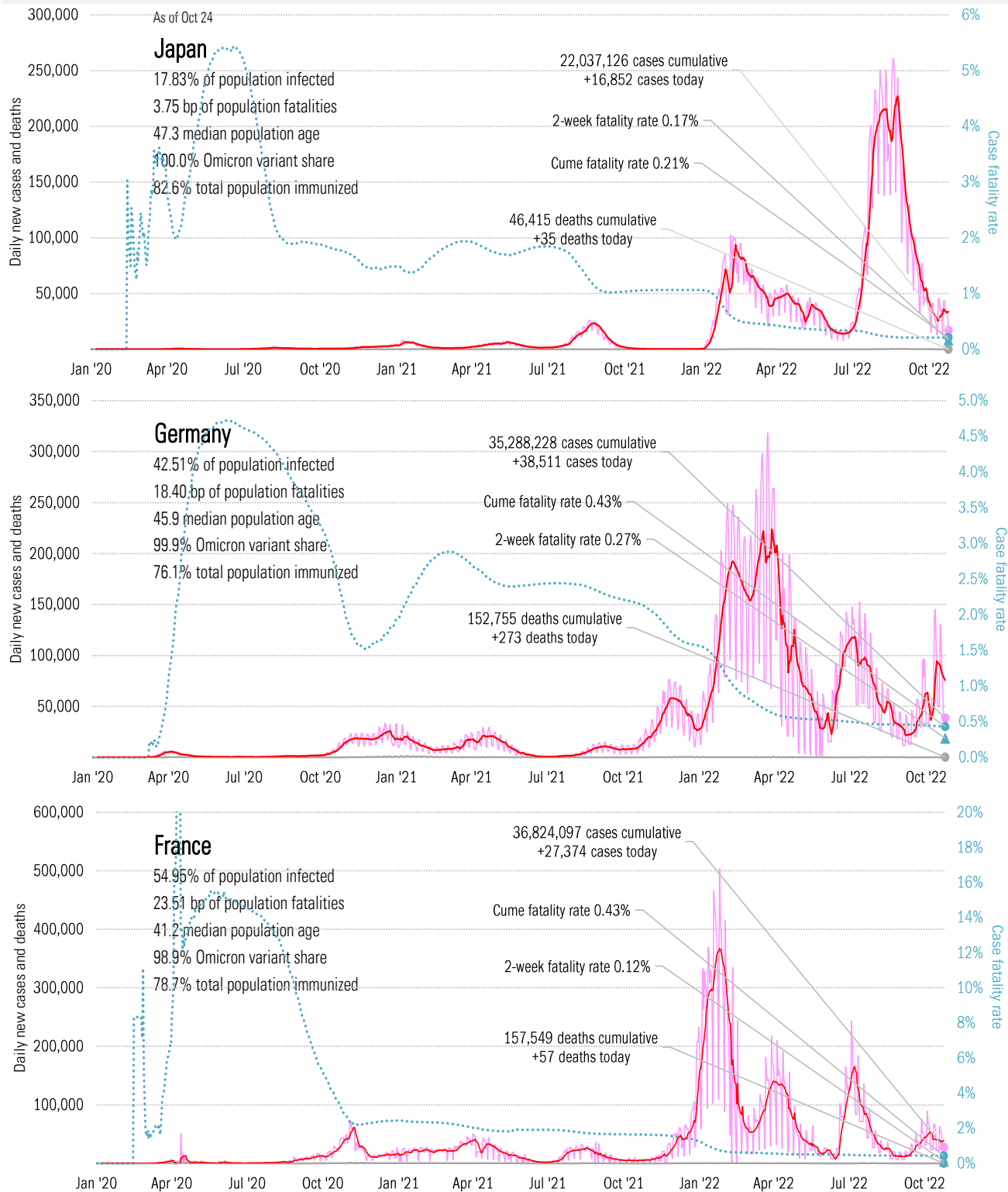
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

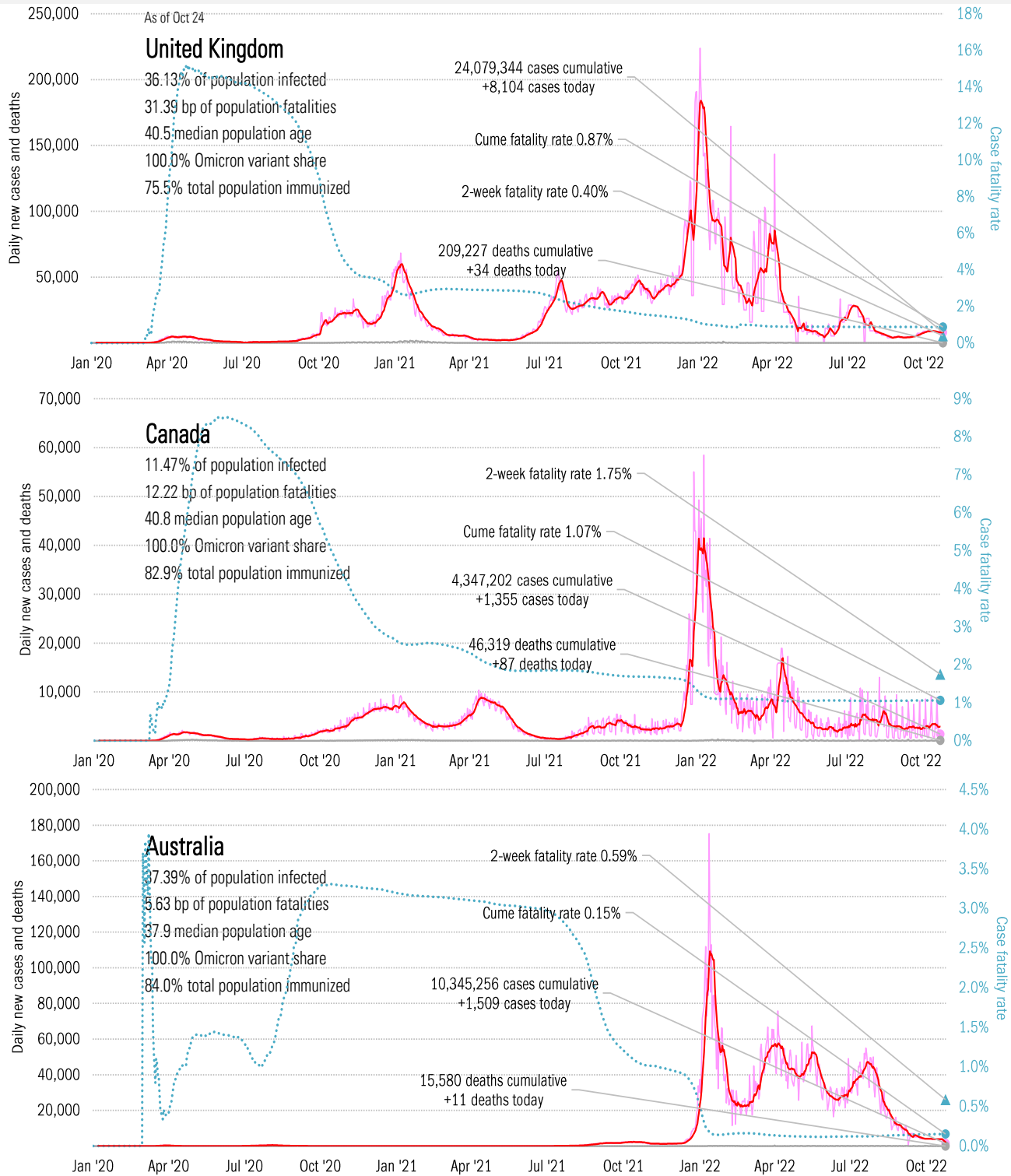
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

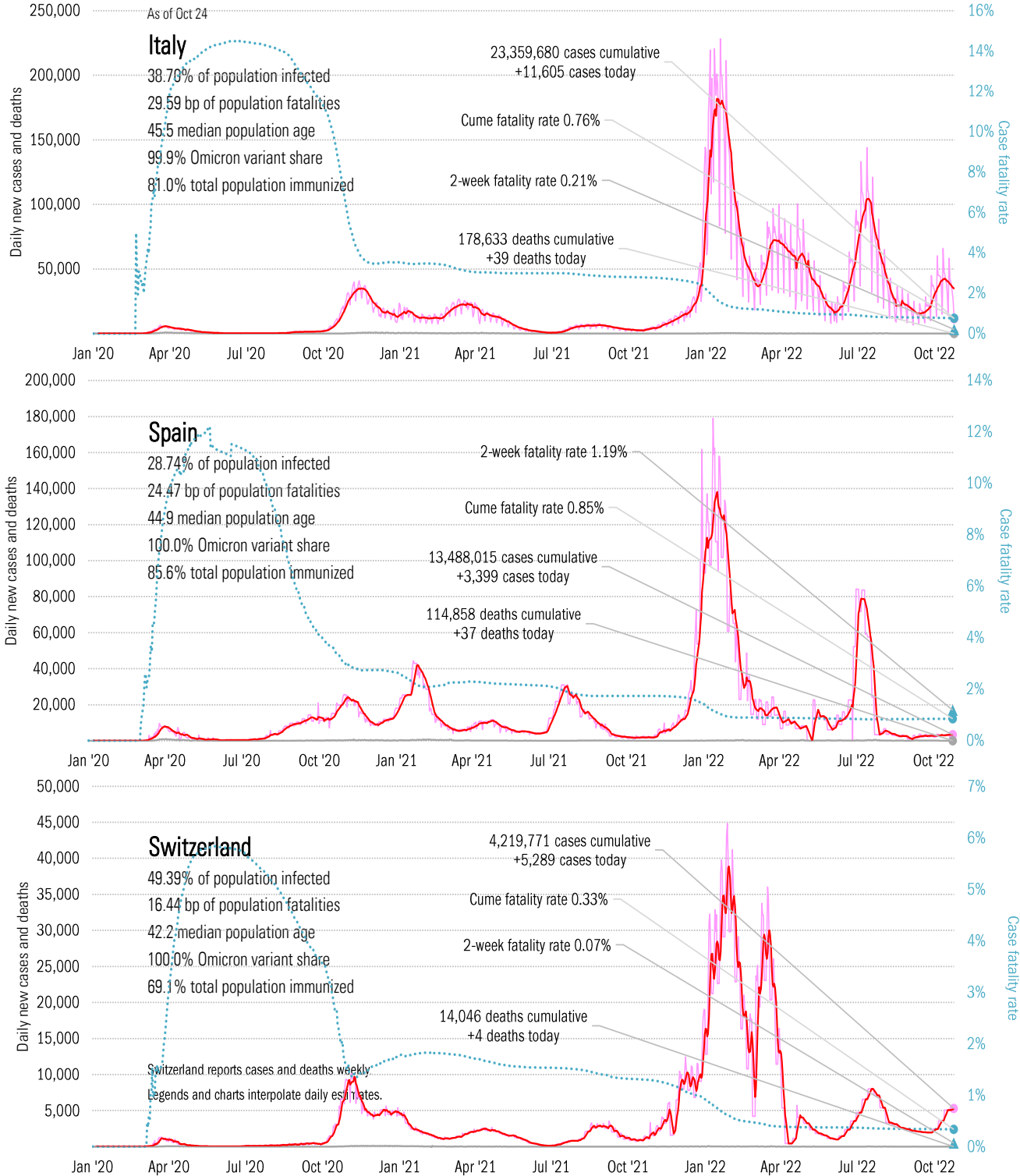
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

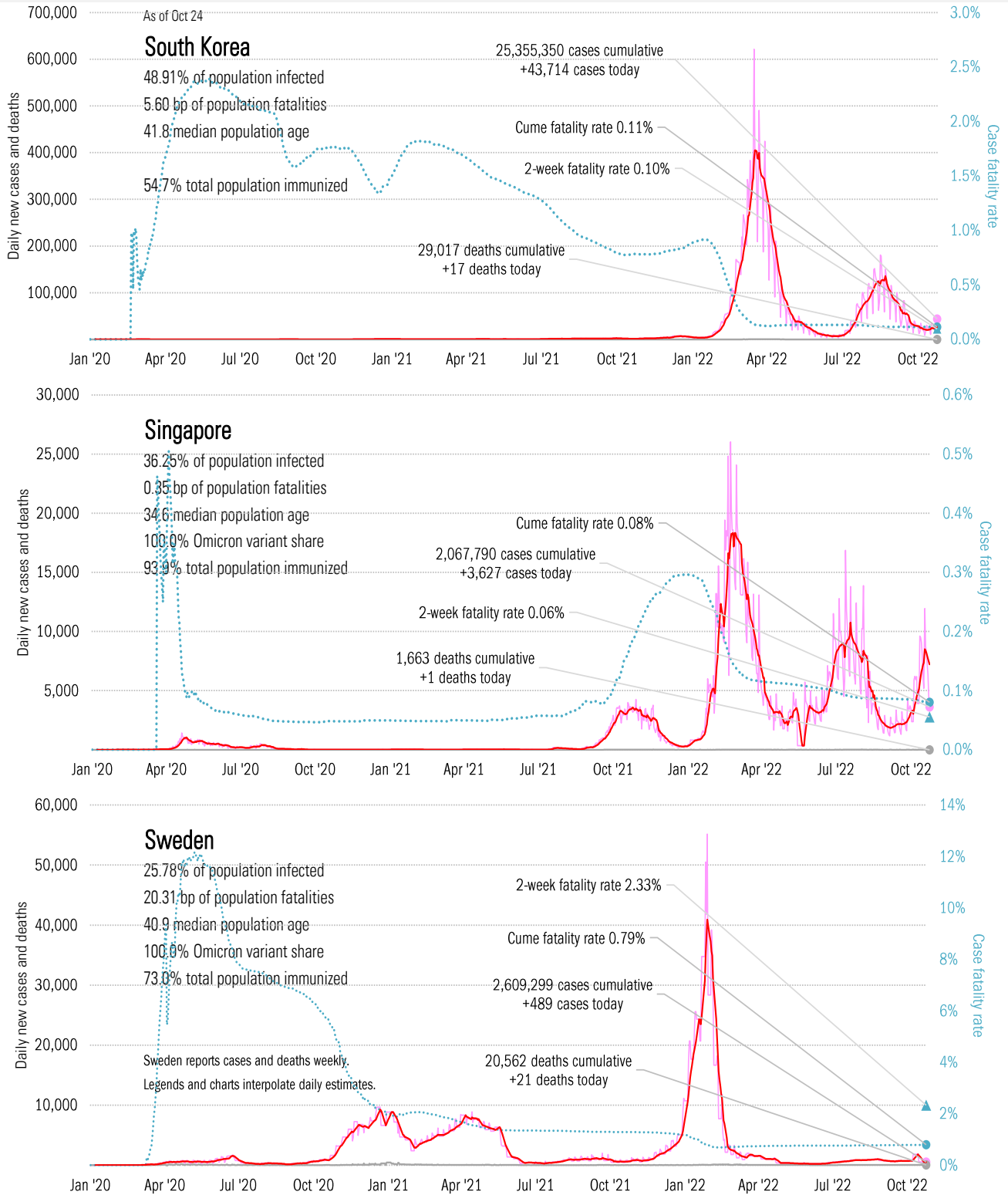
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

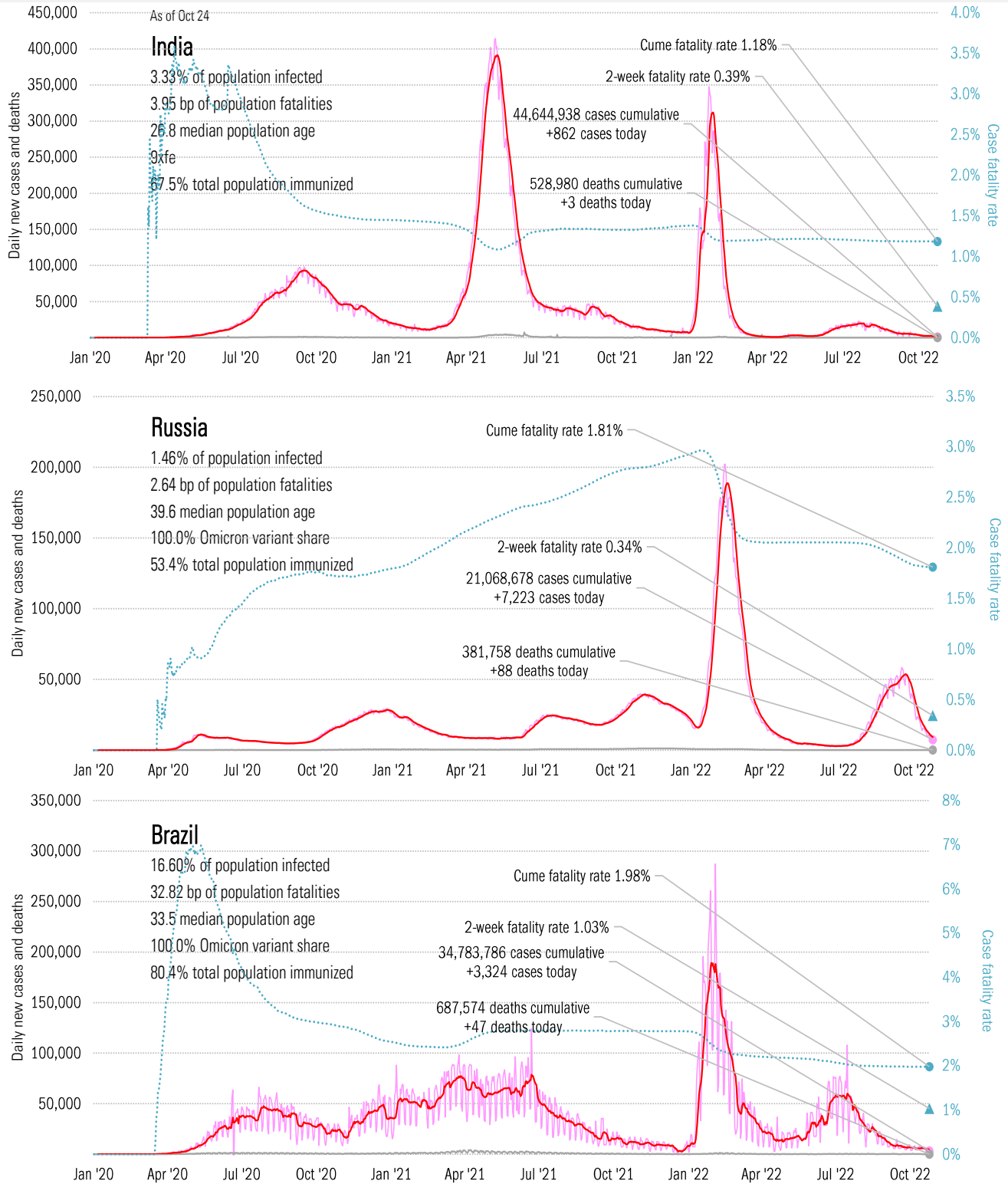
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

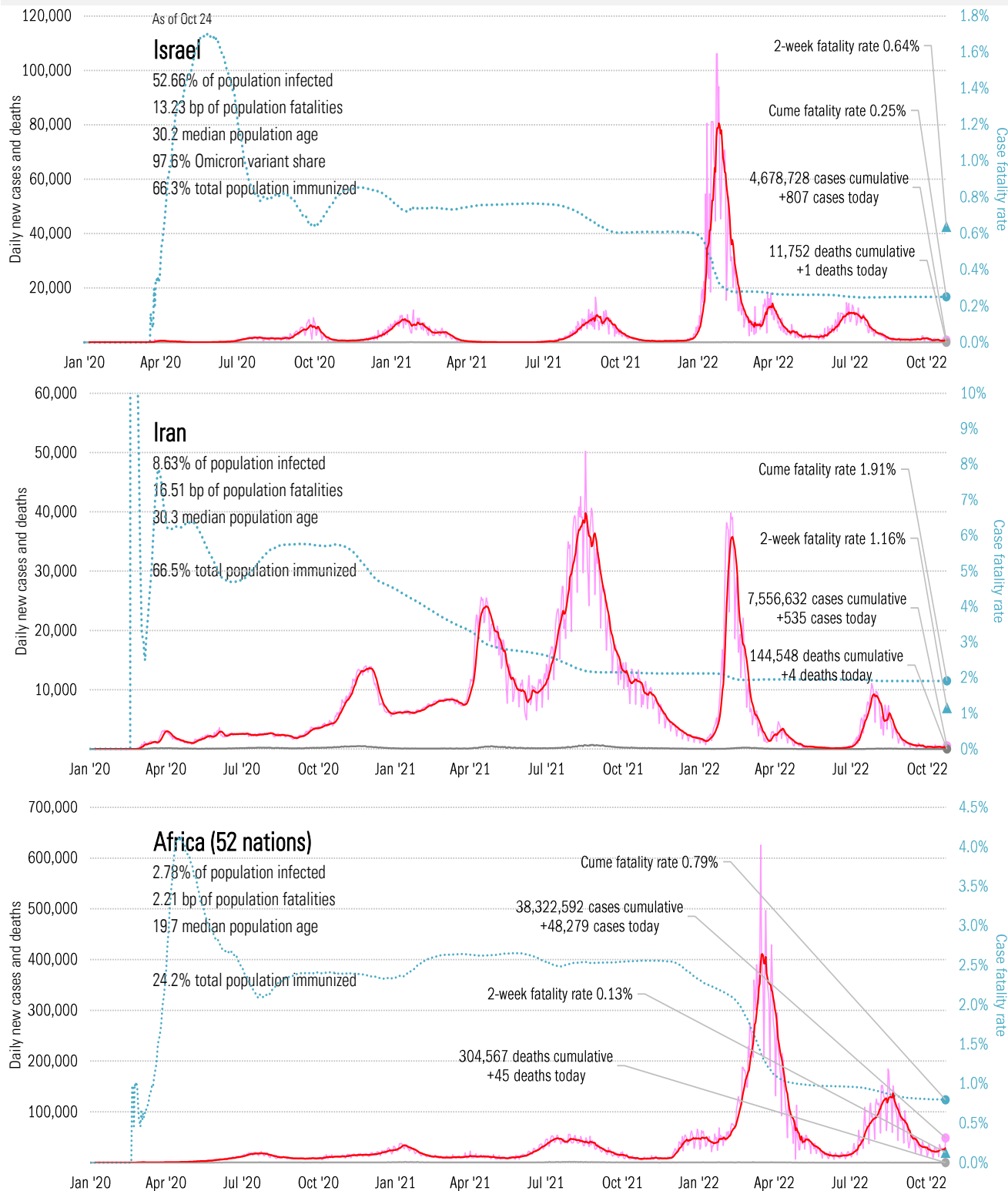
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

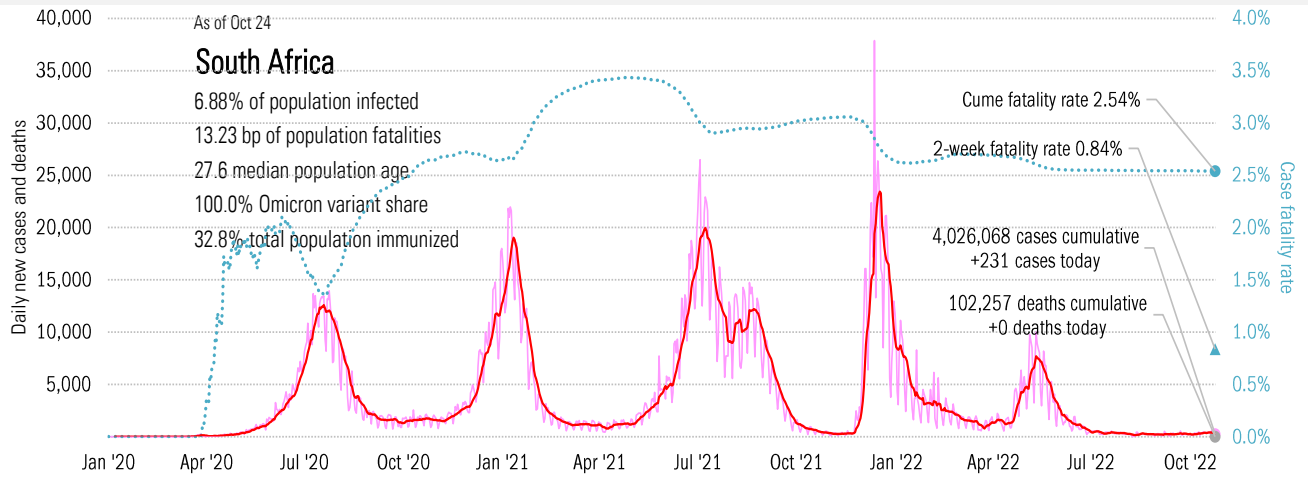
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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