

Data Insights: Covid-2019 Monitor

Thursday, October 6, 2022

The global scorecard

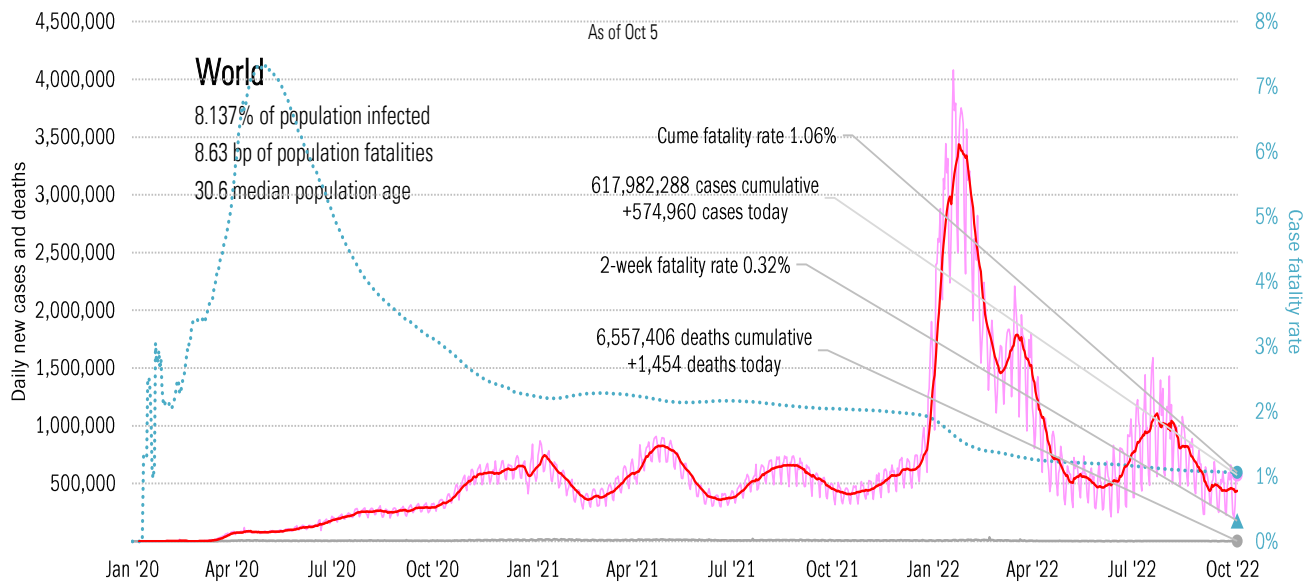
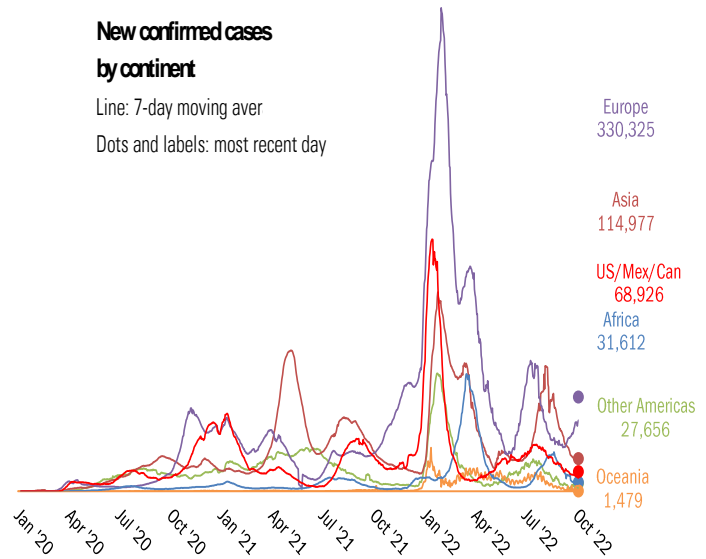
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Germany	132,494	United States	619
France	66,691	Brazil	202
United States	64,465	Russia	112
Taiwan*	54,874	Germany	97
Italy	45,223	Japan	74
Japan	41,358	Hungary	73
Korea, South	28,603	Taiwan*	48
Russia	23,599	France	47
Austria	18,621	Czechia	43
Brazil	14,488	Italy	43
490,416		1,358	
World	574,960	World	1,454
Top ten	85%	Top ten	93%

New confirmed cases by continent

Line: 7-day moving aver
 Dots and labels: most recent day



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

For more information contact us:

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

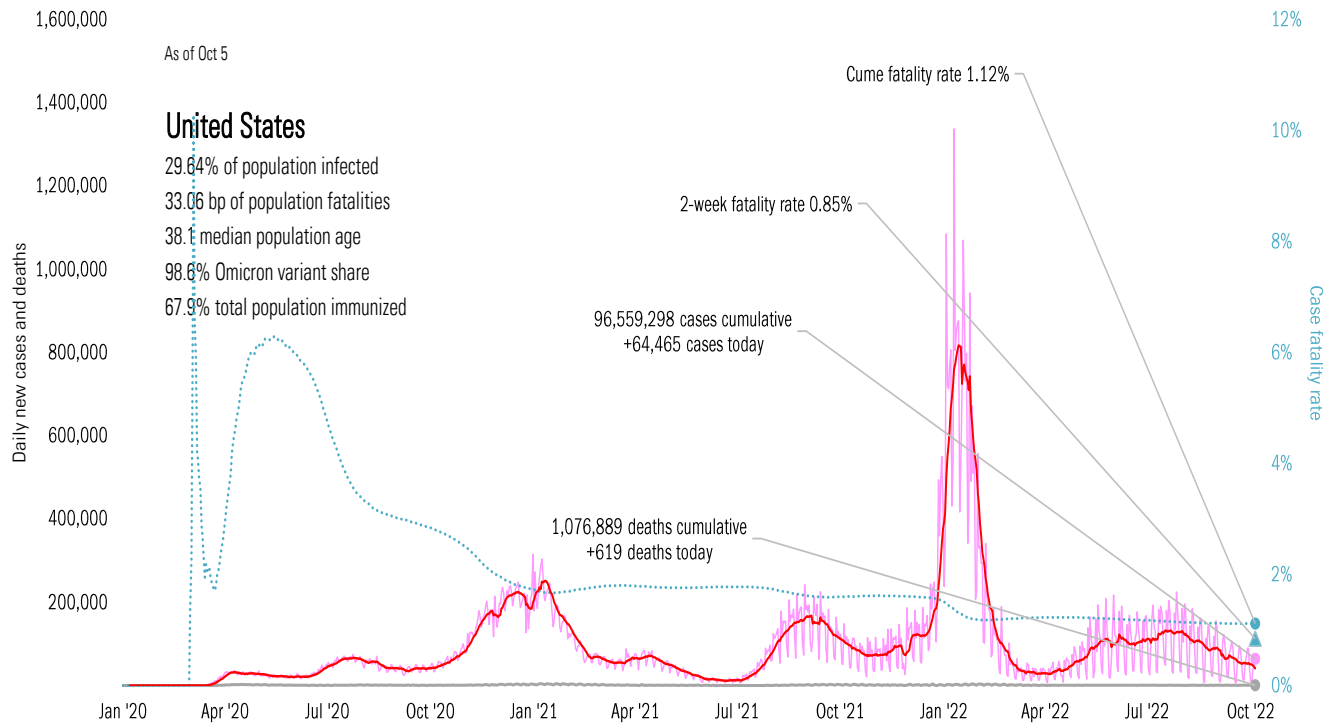
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
PA	12,116		FL	69		GA	134		CA	11,271,253		CA	96,098		TX	546,684		RI	89%	AK	85%
FL	5,774		TN	54		CT	81		TX	8,005,907		TX	90,974		CA	501,128		MA	87%	RI	84%
CR	4,237		NC	47		VA	95		FL	7,156,749		FL	81,616		FL	494,377		MN	84%	MA	84%
NY	4,109		IN	40		AL	49		NY	6,141,382		NY	71,917		NY	301,104		GA	84%	AL	84%
IN	3,652		AZ	36		MN	77		IL	3,769,278		PA	47,323		GA	226,225		WA	83%	NH	83%
KY	2,344		TX	34		WI	79		PA	3,266,934		GA	40,374		CH	218,873		MO	83%	ID	83%
NJ	2,171		WA	31		IL	142		NC	3,210,837		CH	39,856		PA	204,615		DE	83%	WA	81%
MI	1,840		CA	27		CA	326		CH	3,143,746		IL	39,747		IL	187,251		NH	82%	GA	81%
IL	1,839		AR	22		NM	18		GA	2,909,760		MI	38,767		MI	163,187		MI	81%	NC	81%
TX	1,730		MI	20		CR	44		MI	2,849,047		NJ	34,766		KY	145,276		WV	81%	DC	80%
39,812			380			1,045			51,724,893			581,438			2,988,720						
All states	64,465		619			3,512			All states	96,559,298		1,076,889			5,422,905			All states	70%	67%	
Top ten	62%		61%			30%			Top ten	54%		55%			55%			Median	75%	73%	

Some states not reporting

Five most improved US states

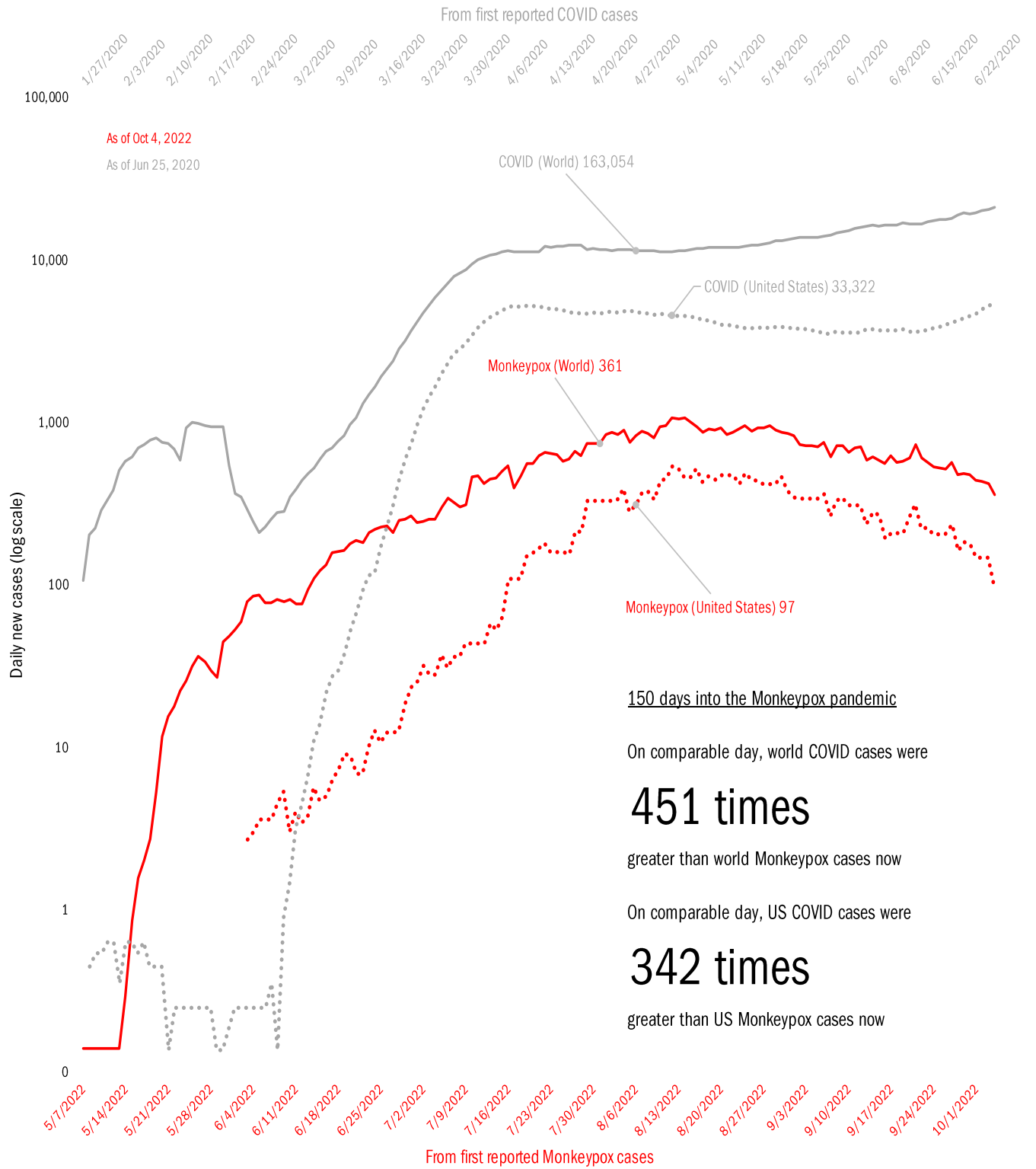
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CO	-956	CA	-54	NJ	-57
ME	-225	NY	-26	PA	-50
CT	-187	AR	-10	ME	-23
CA	-109	MA	-9	NY	-22
LA	-32	MO	-6	ID	-21



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

The Monkeypox contextualizer

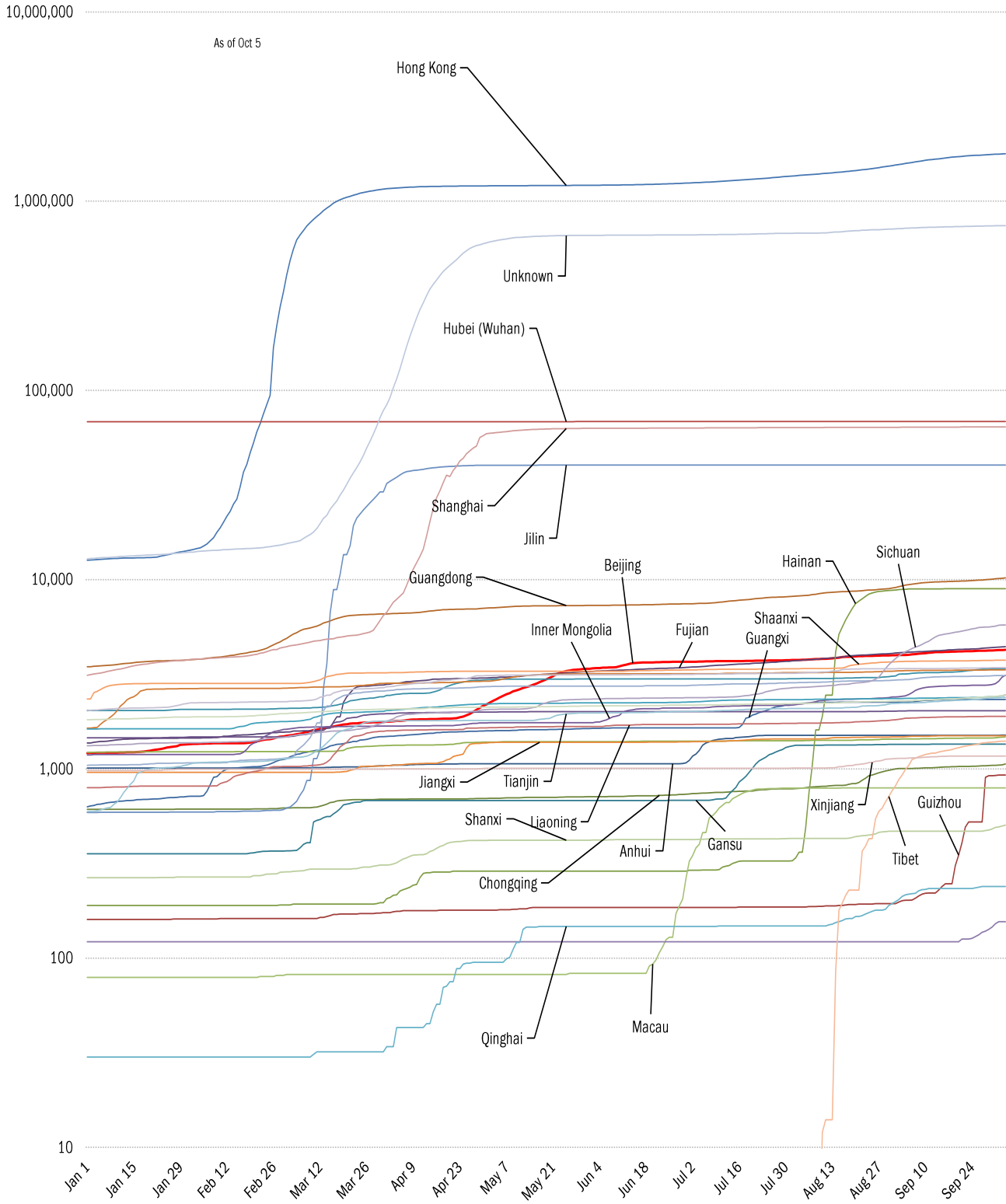
The course of case growth versus COVID



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"

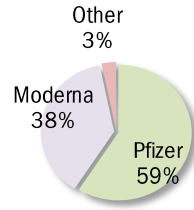


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	631,639,689		+0.490 million	US	67.8%	79.5%
of which boosters	111,721,786		+0.055 million	UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	272,009,452	81%	231,527,726	69%	+0.050 million	France 78.7% 80.9%
Age 12 to 17	18,203,927	72%	15,554,814	61%	+0.002 million	Spain 85.6% 87.0%
Age 18 to 64	181,388,452	89%	154,049,342	76%	+0.024 million	Germany 76.1% 77.7%
Age 65 and over	59,876,702	100%	52,388,902	96%	+0.011 million	Italy 81.0% 85.8%
						Australia 84.0% 86.6%
						Israel 66.2% 72.3%
						Canada 82.7% 87.2%
						Japan 82.5% 83.6%
						Africa 22.6% 28.5%
						India 67.3% 72.9%
						Brazil 80.3% 87.2%
						China 89.1% 91.4%



AK	71.7%
	63.5%

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

"Immunity" = two doses

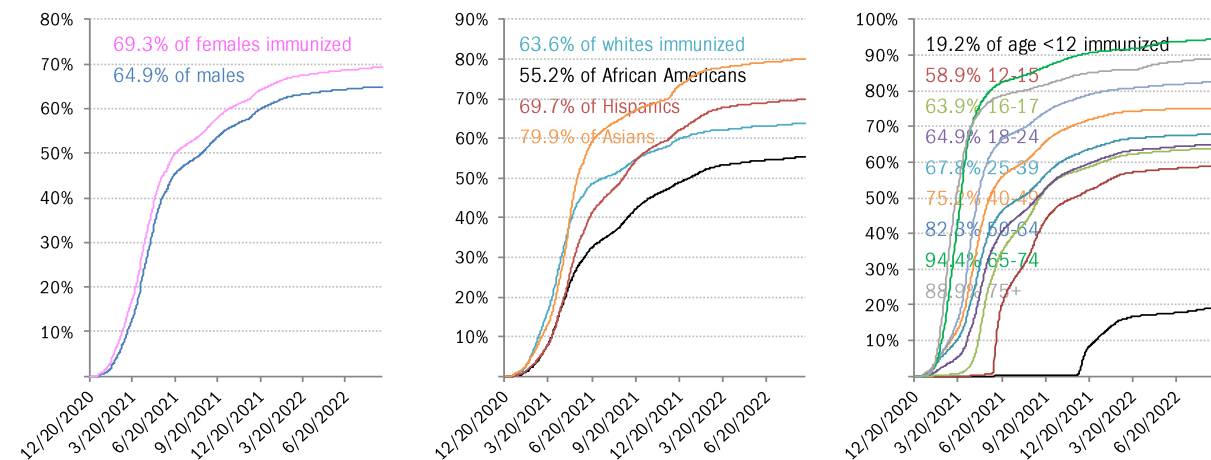
Best
Middle
Worst

Global data differs due to sources, timing

As of Sep 23

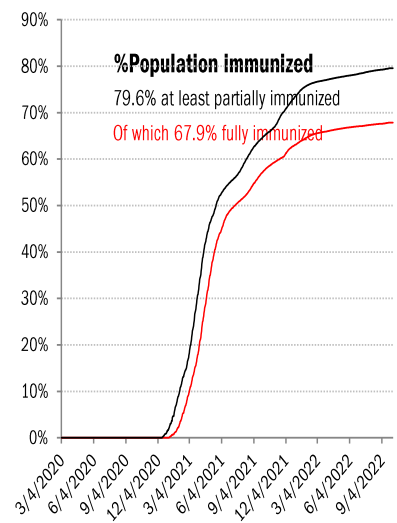
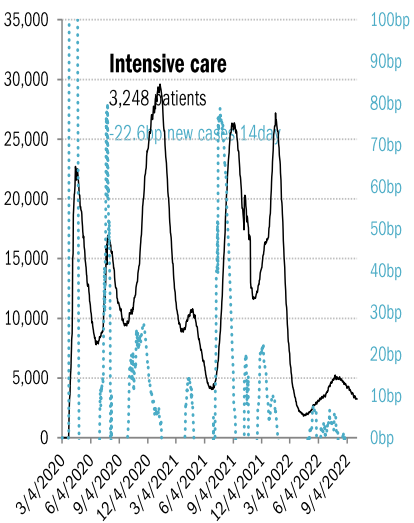
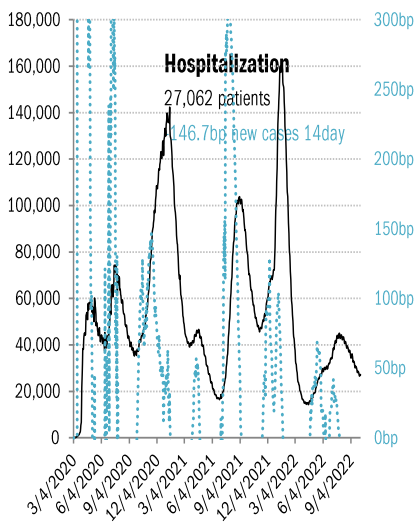
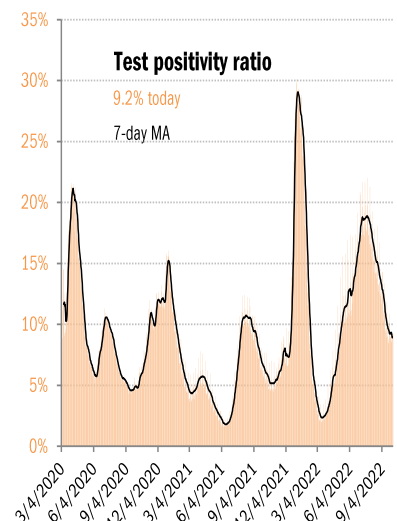
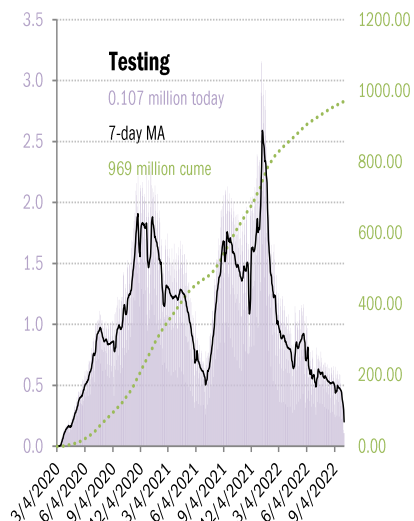
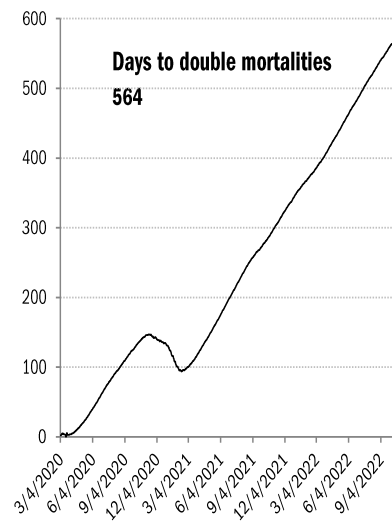
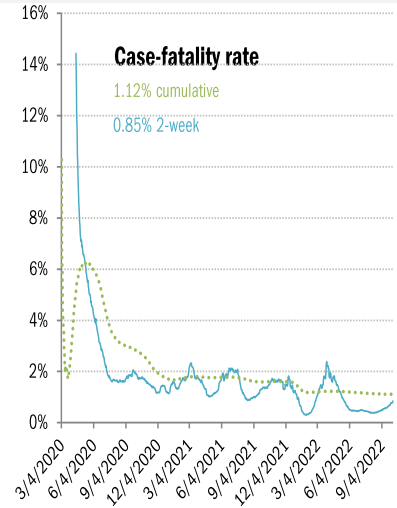
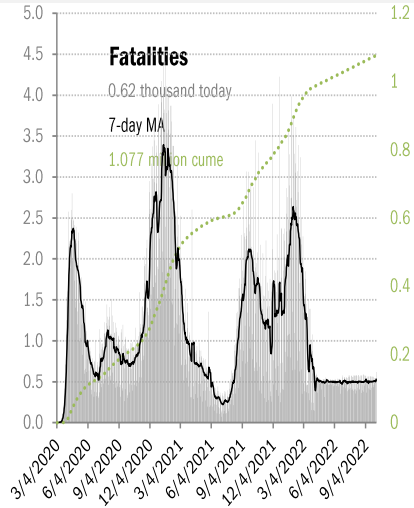
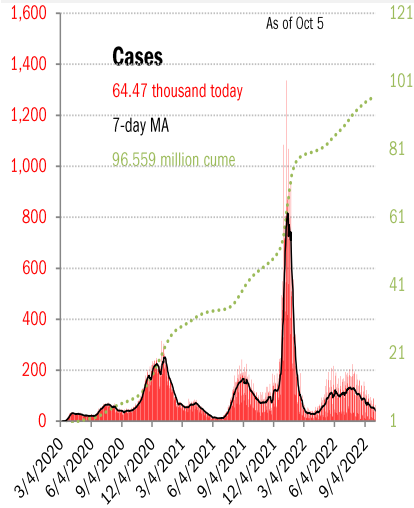
					WI							ME
					73.4%							93.5%
					66.8%							81.5%
WA	ID	MT	ND	MN	IL	MI				NY	VT	NH
83.2%	62.6%	66.8%	67.3%	77.0%	77.5%	68.3%				92.3%	95.0%	91.4%
74.0%	55.3%	58.0%	56.8%	70.6%	69.8%	61.3%				78.8%	83.2%	72.8%
OR	NV	WY	SD	IA	IN	OH	PA			NJ	MA	
79.7%	77.2%	59.4%	79.8%	69.4%	63.3%	64.6%	87.8%			92.7%	95.0%	
70.9%	62.1%	52.0%	64.0%	63.1%	56.9%	59.5%	70.8%			77.4%	81.2%	
CA	UT	CO	NE	MO	KY	WV	VA			MD	CT	RI
84.3%	73.8%	81.7%	71.9%	67.8%	67.6%	66.4%	88.2%			89.3%	95.0%	95.0%
73.7%	65.5%	71.8%	64.9%	57.5%	58.5%	58.8%	74.9%			77.7%	81.1%	85.3%
	AZ	NM	KS	AR	TN	NC	SC			DC	DE	
	75.8%	90.8%	74.4%	68.4%	63.5%	87.9%	69.5%			95.0%	85.7%	
	63.4%	73.0%	63.6%	55.7%	55.6%	64.0%	58.5%			80.2%	71.2%	
			OK	LA	MS	AL	GA					
			72.9%	62.1%	61.0%	64.1%	67.1%					
			58.8%	54.4%	53.1%	52.3%	56.2%					
			TX							FL		PR
			74.7%							81.1%		95.0%
			62.2%							68.4%		85.0%

The demographics of US vaccination

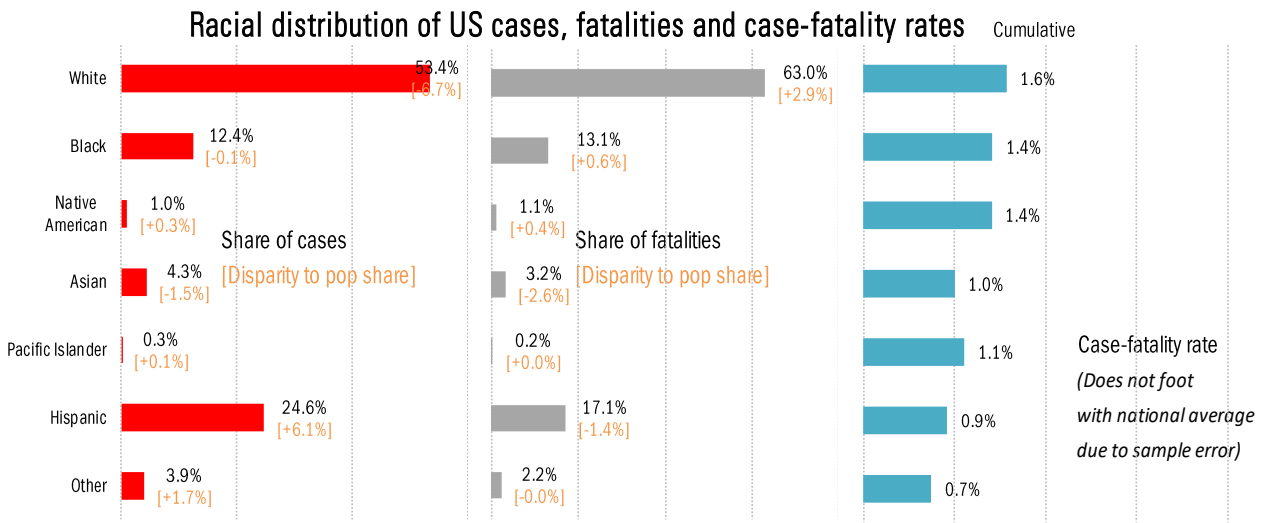
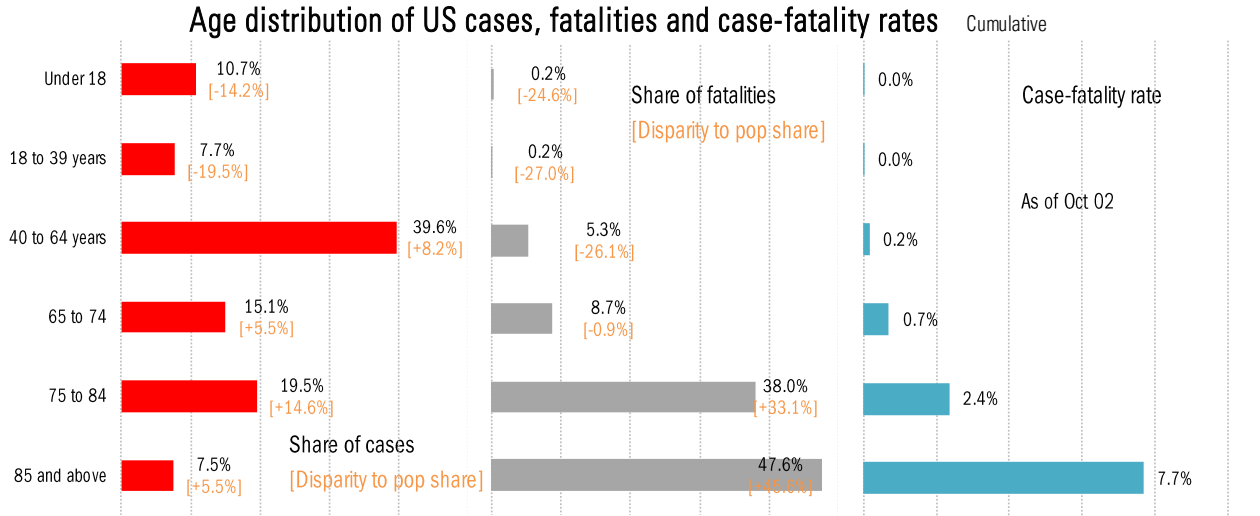


Source: CDC, CDC, Our World in Data, TrendMacro calculations

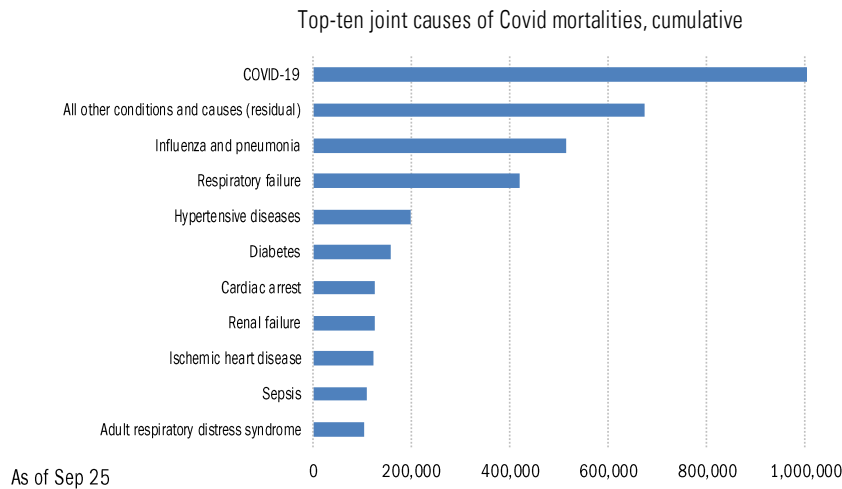
US deep-dive



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

[Warning Signs About the First Post-pandemic Winter](#)

Katherine J. Wu
The Atlantic
October 5, 2022

[Fauci's Parting Gift to the EcoHealth Alliance](#)

Wall Street Journal
October 5, 2022

[Simple nasal wash 'reduces COVID-19 severity'](#)

Sanjeet Bagcchi
SciDevNet
September 30, 2022

[Biden's Operation Warp Speed revival stumbles out of the gate](#)

Adam Cancryn and Erin Banco
Politico
October 5, 2022

[Why did the CDC hide the V-safe data from the American people for almost 2 years?](#)

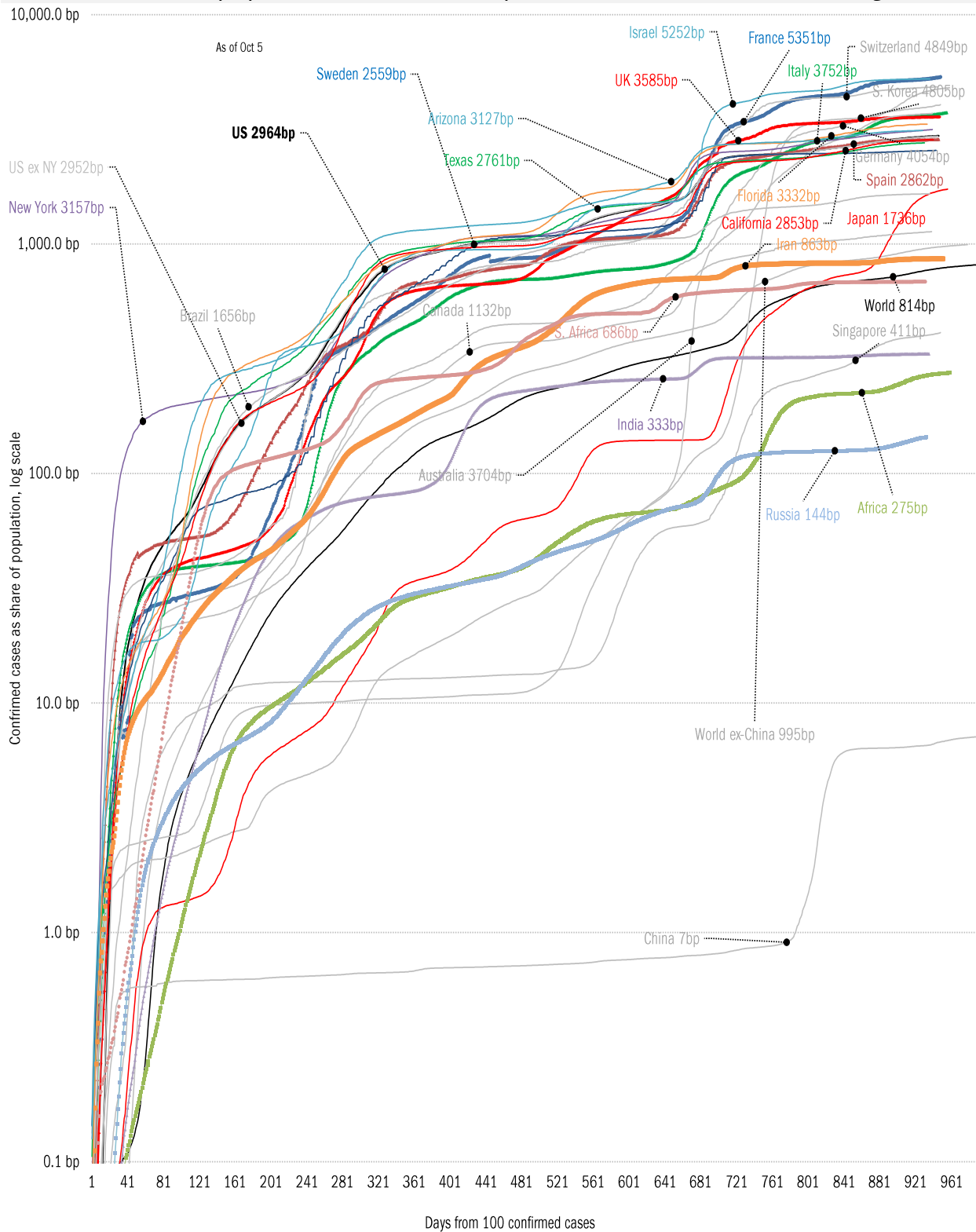
Steve Kirsch
Steve Kirsch's Newsletter
October 5, 2022

Meme of the day



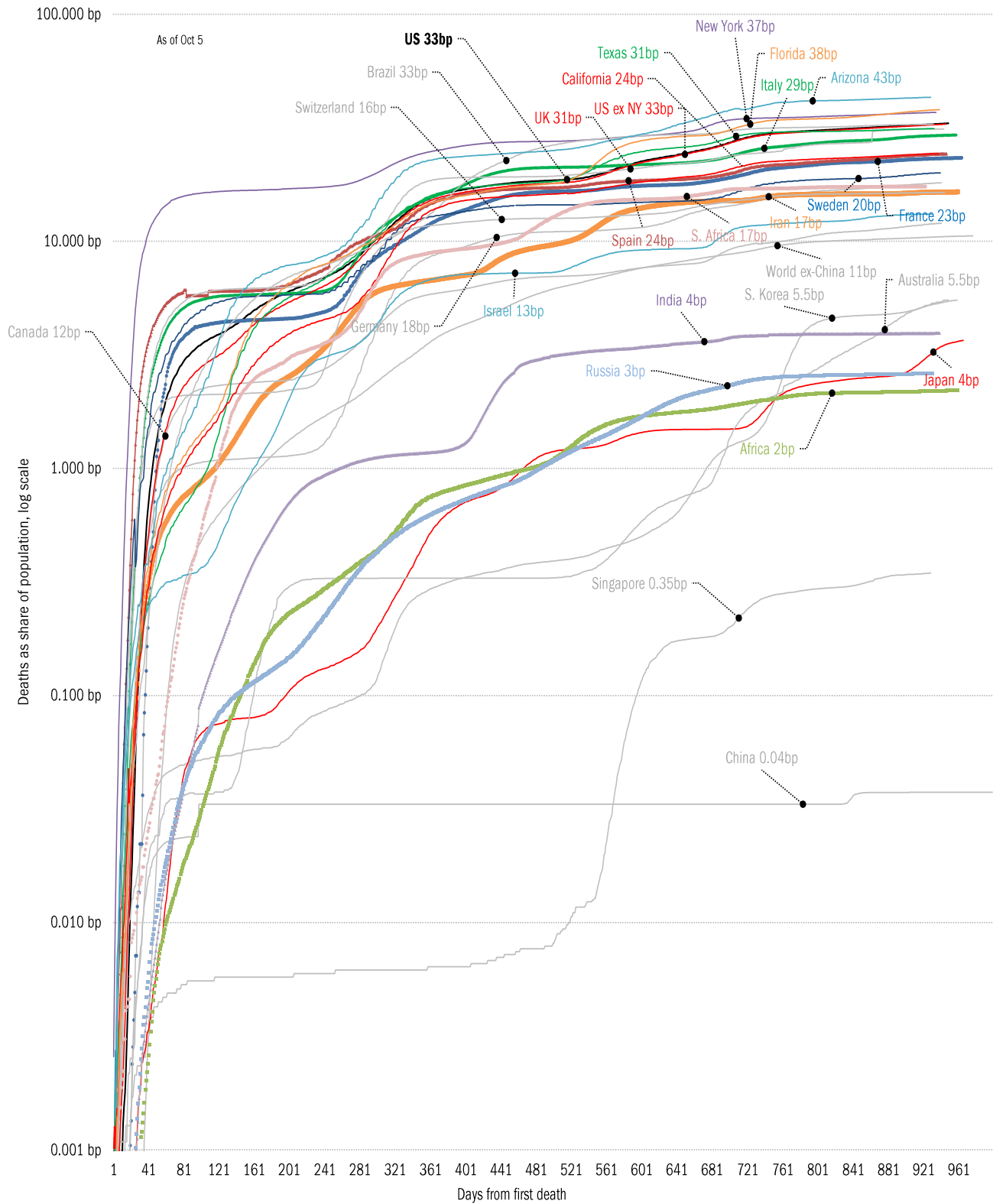
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

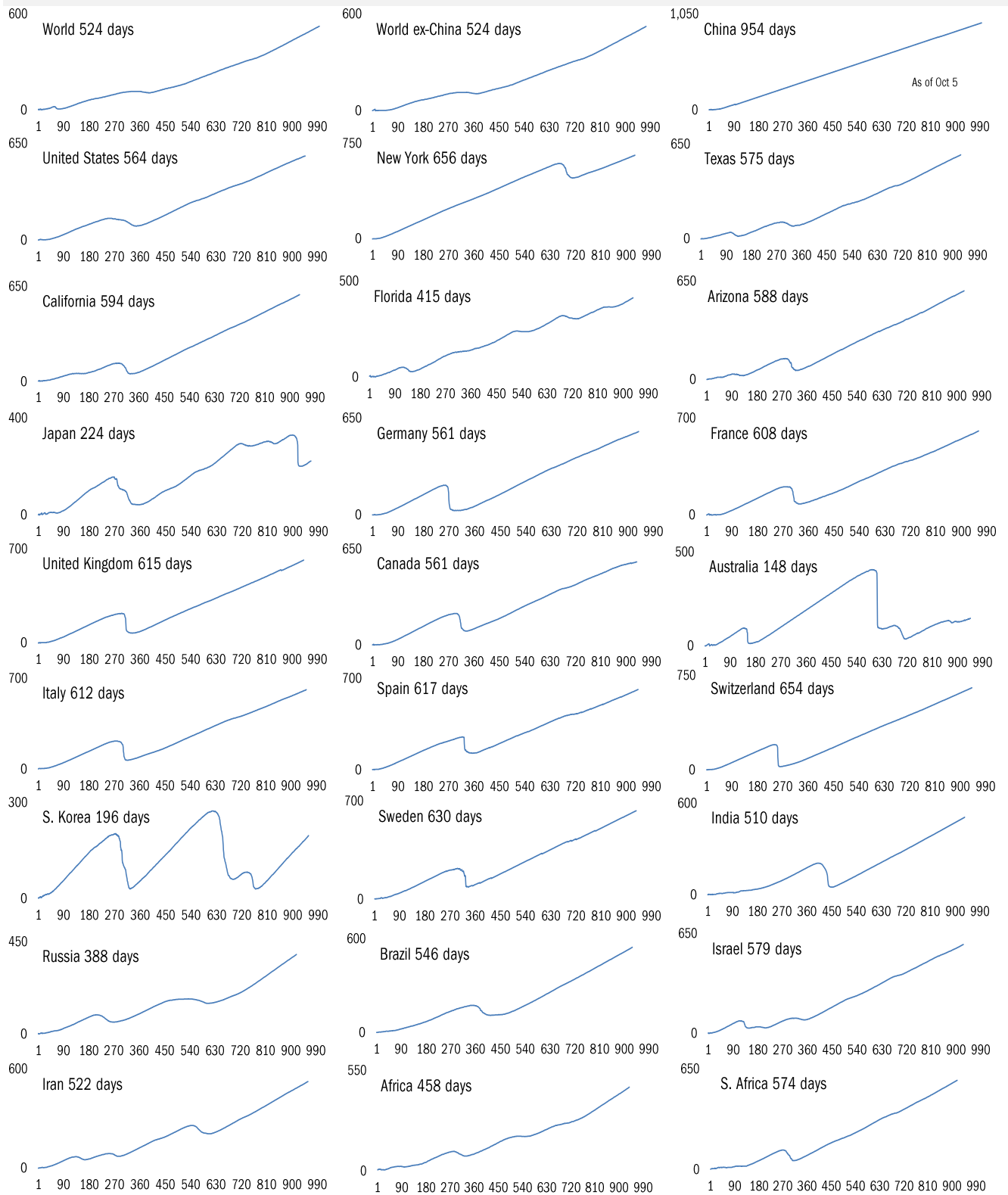


Source: [Johns Hopkins](#), TrendMacro calculations

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

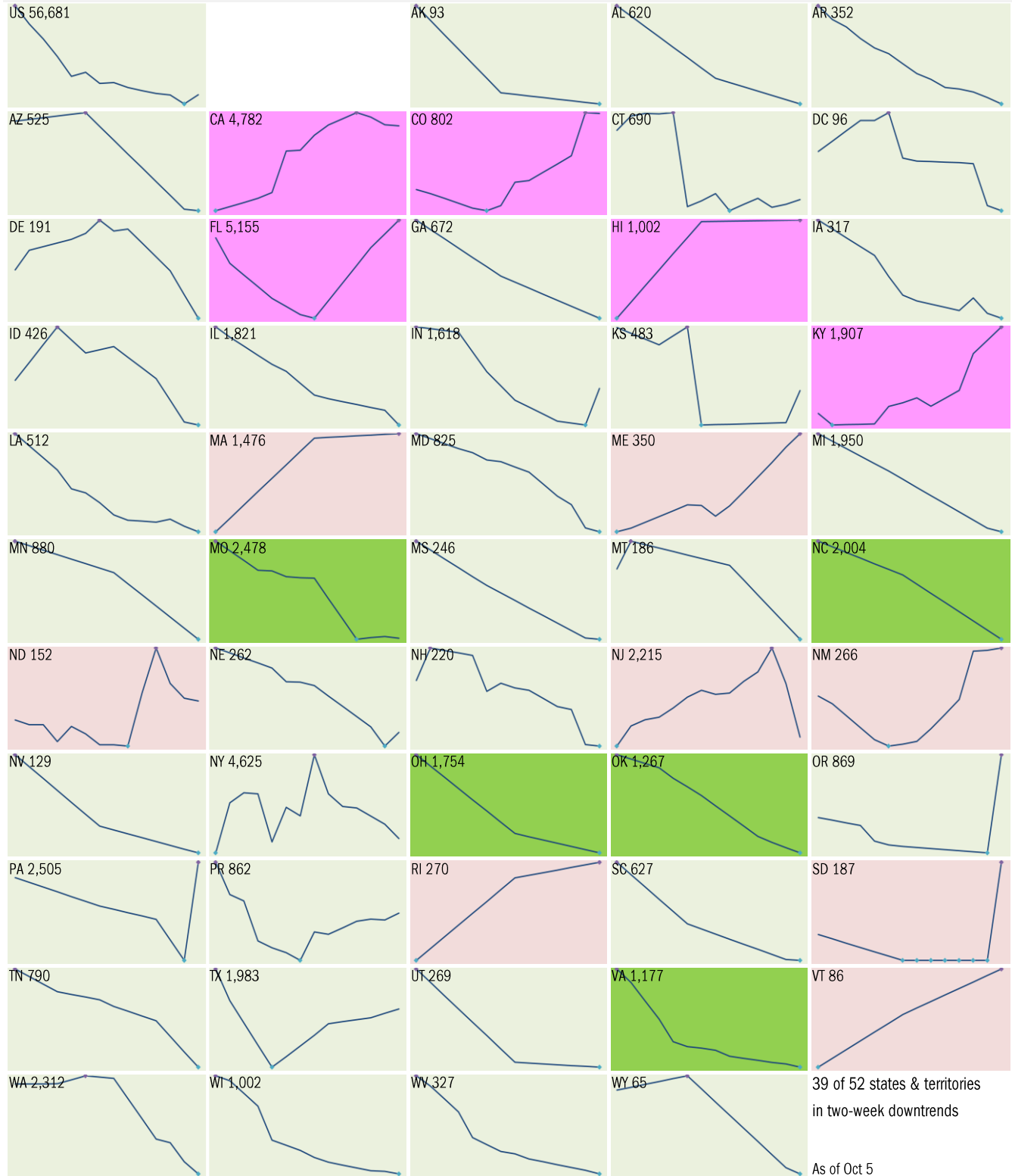


Source: [Johns Hopkins](#), TrendMacro calculations

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

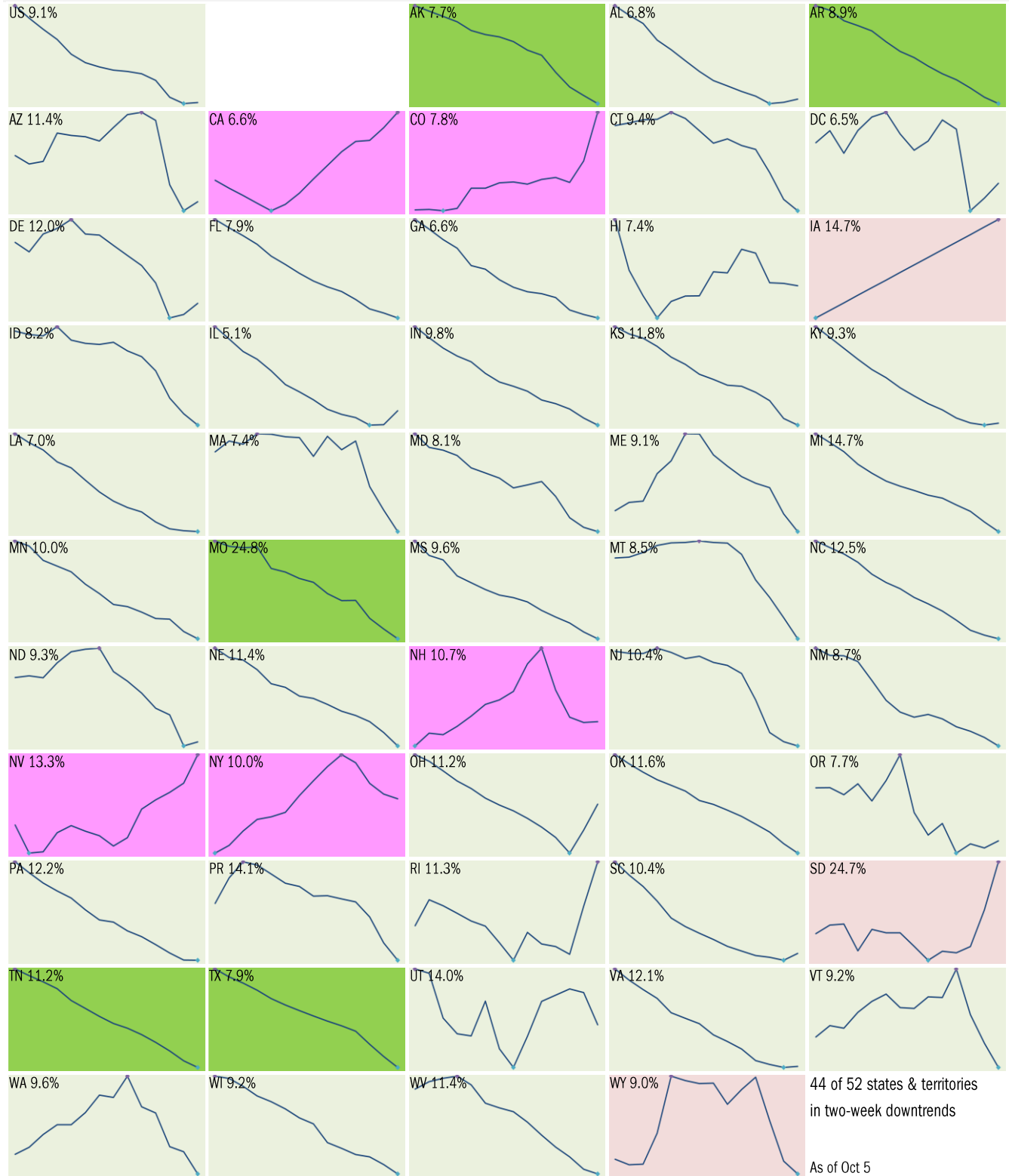


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

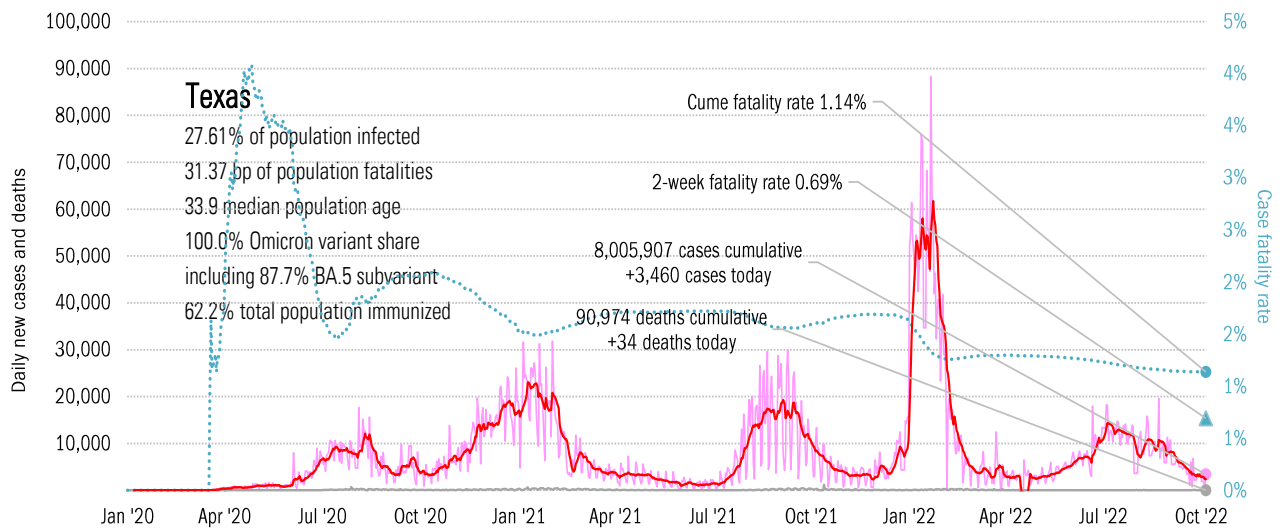
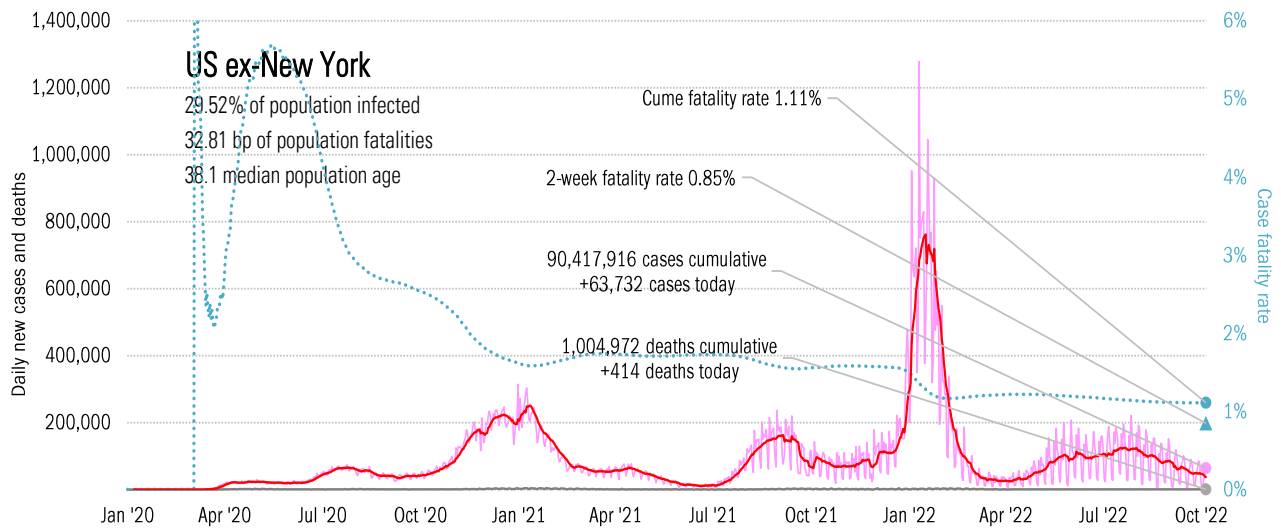
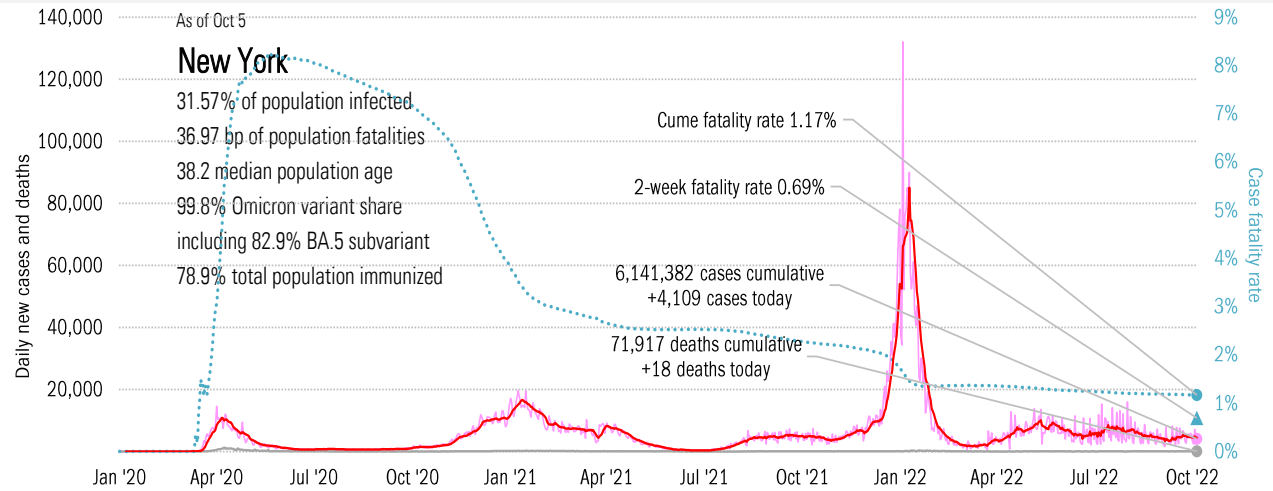
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

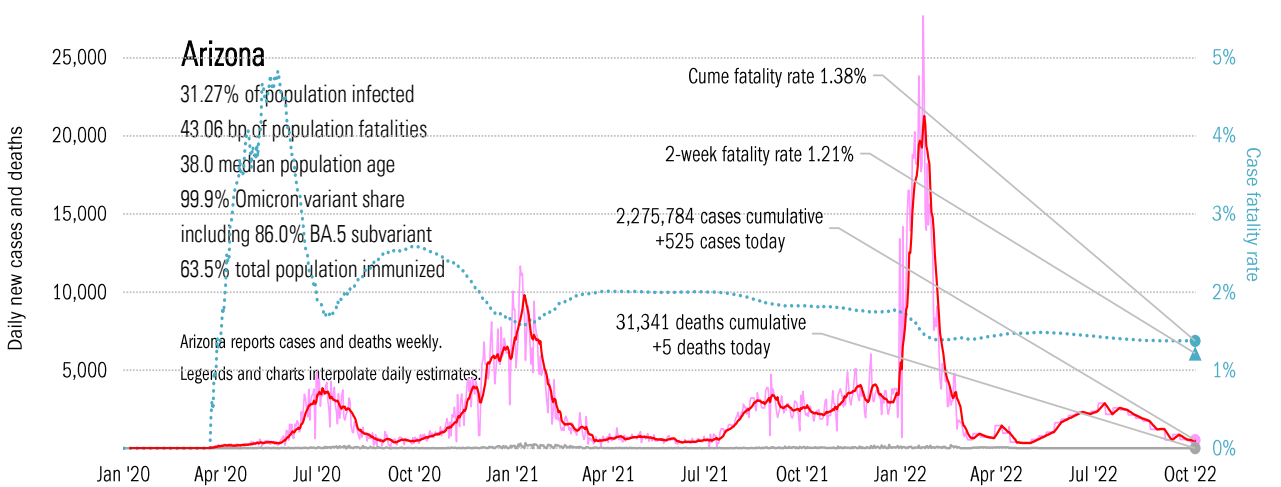
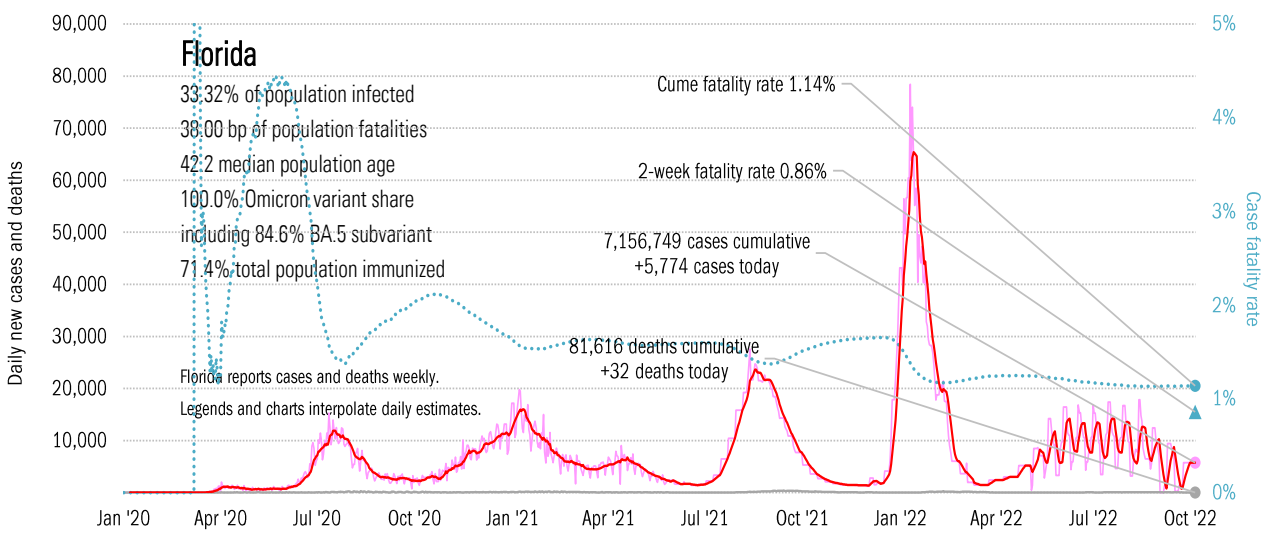
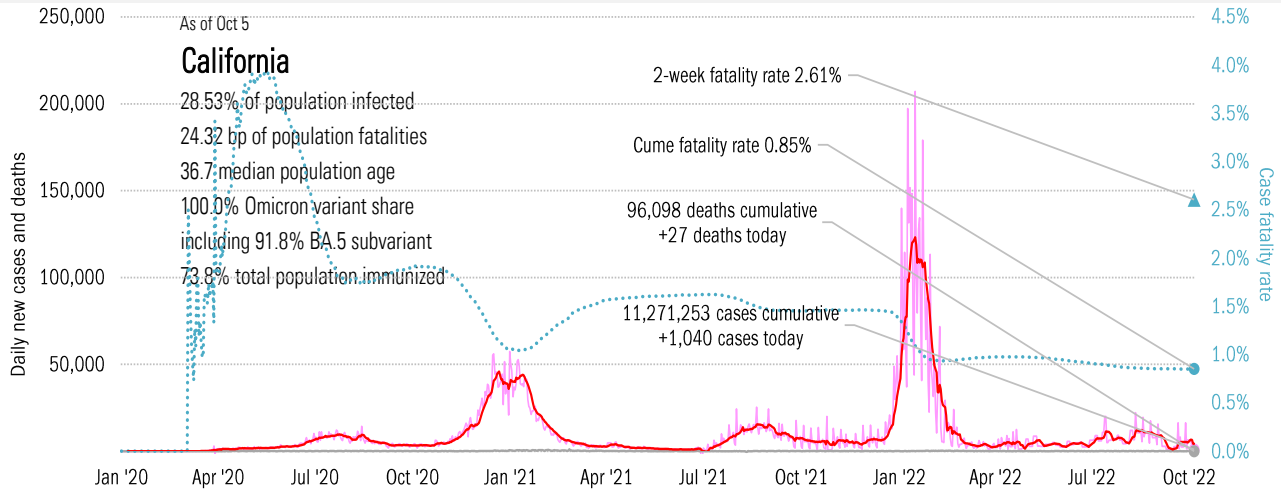
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

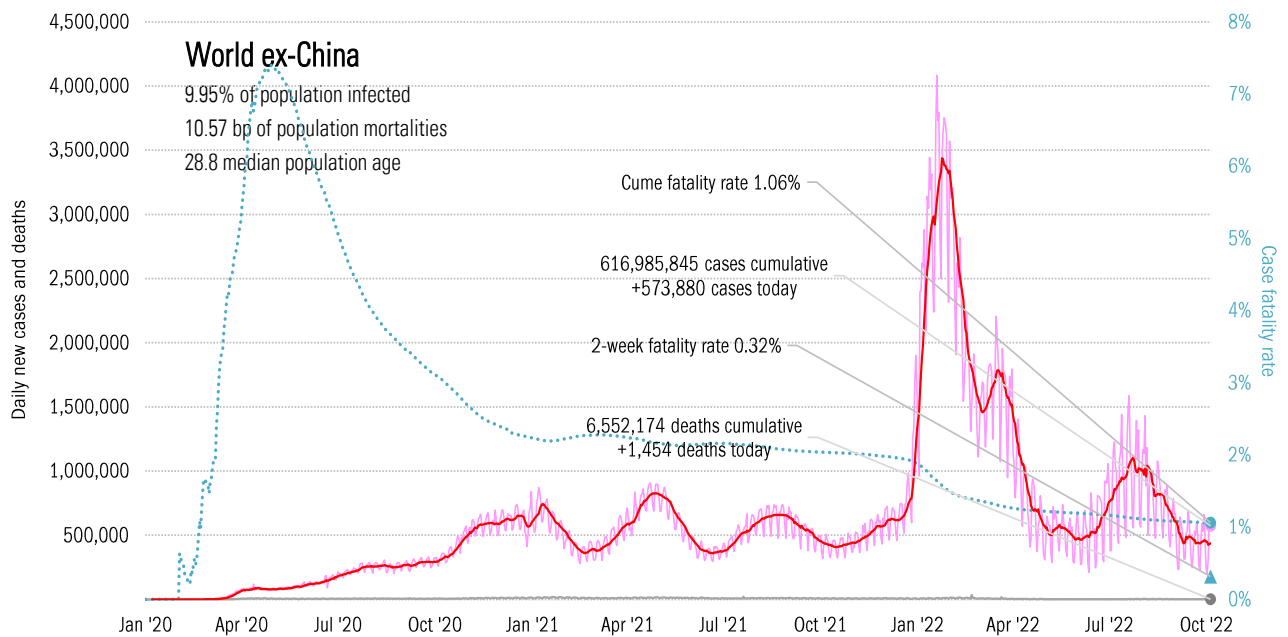
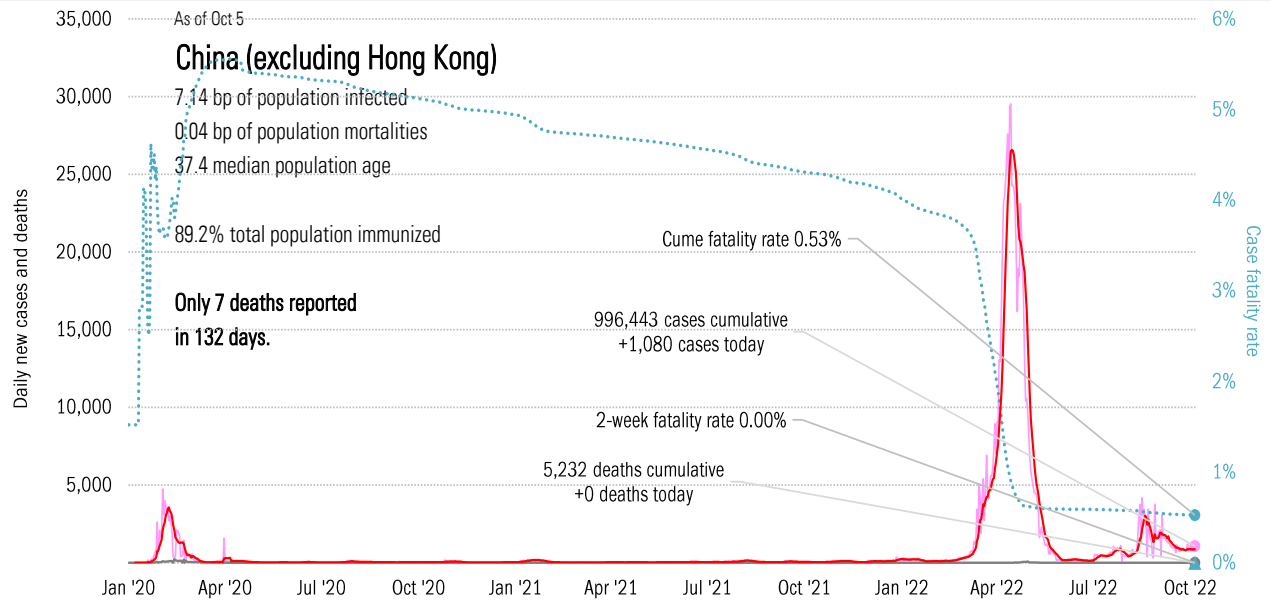
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

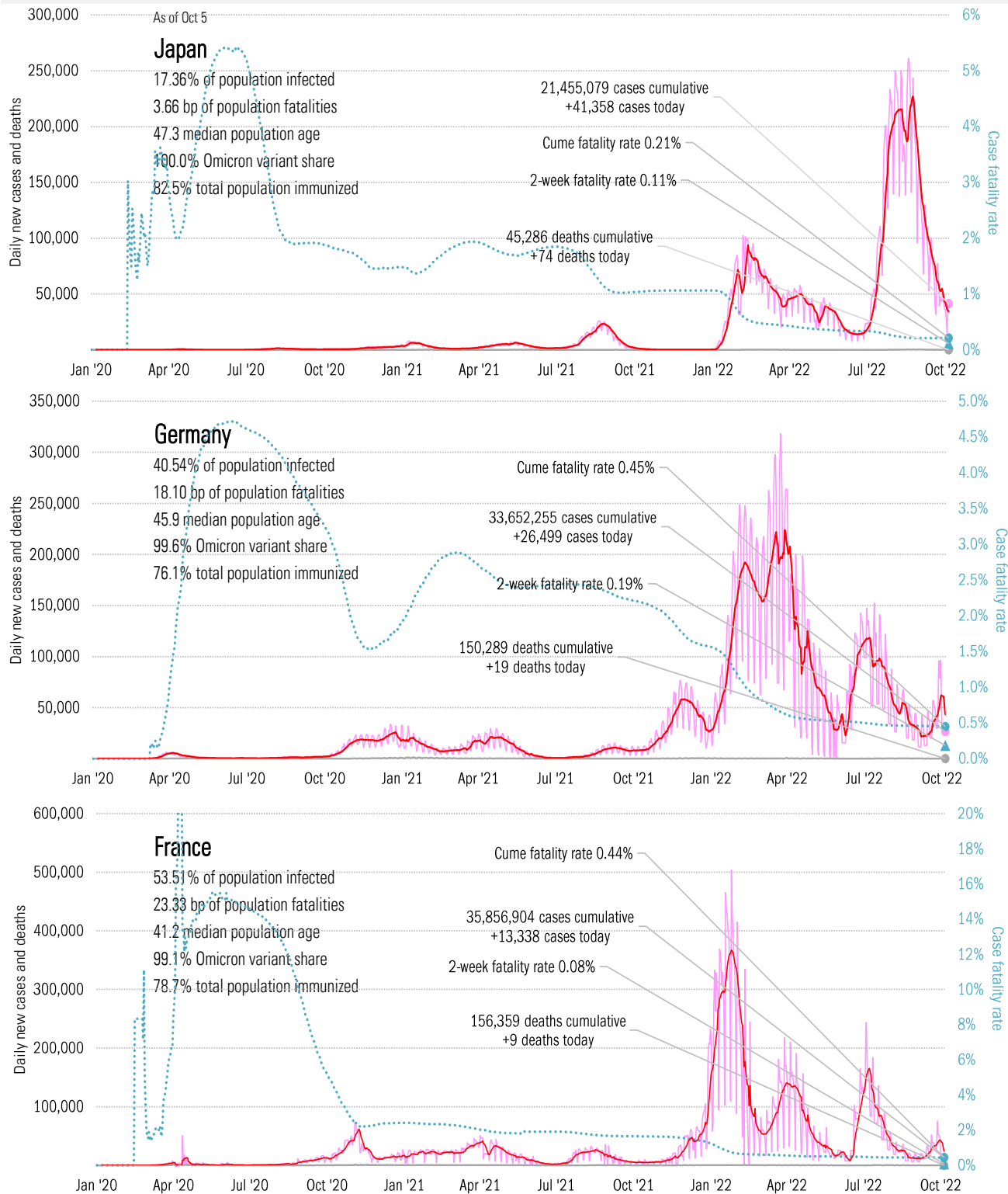
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

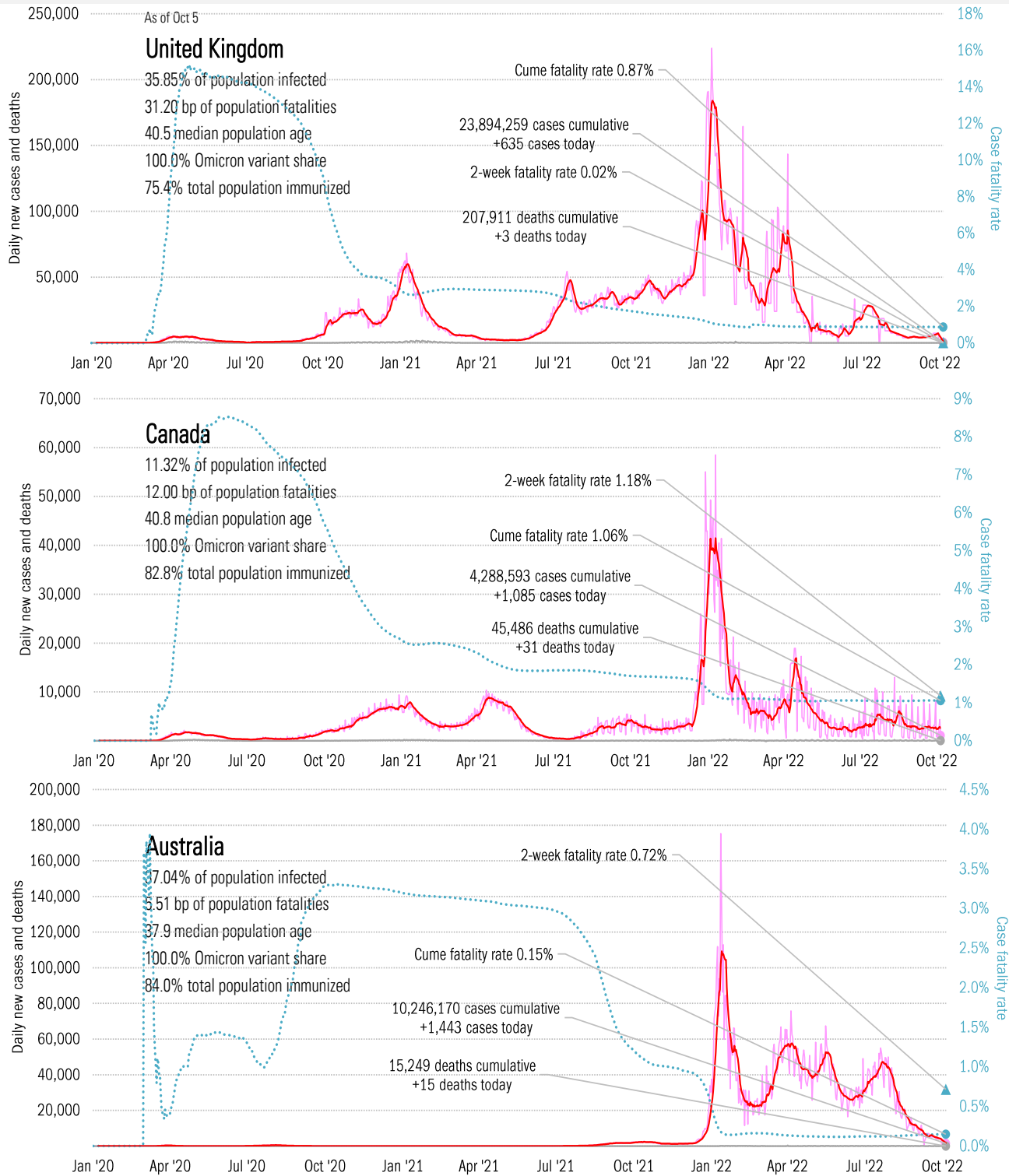
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

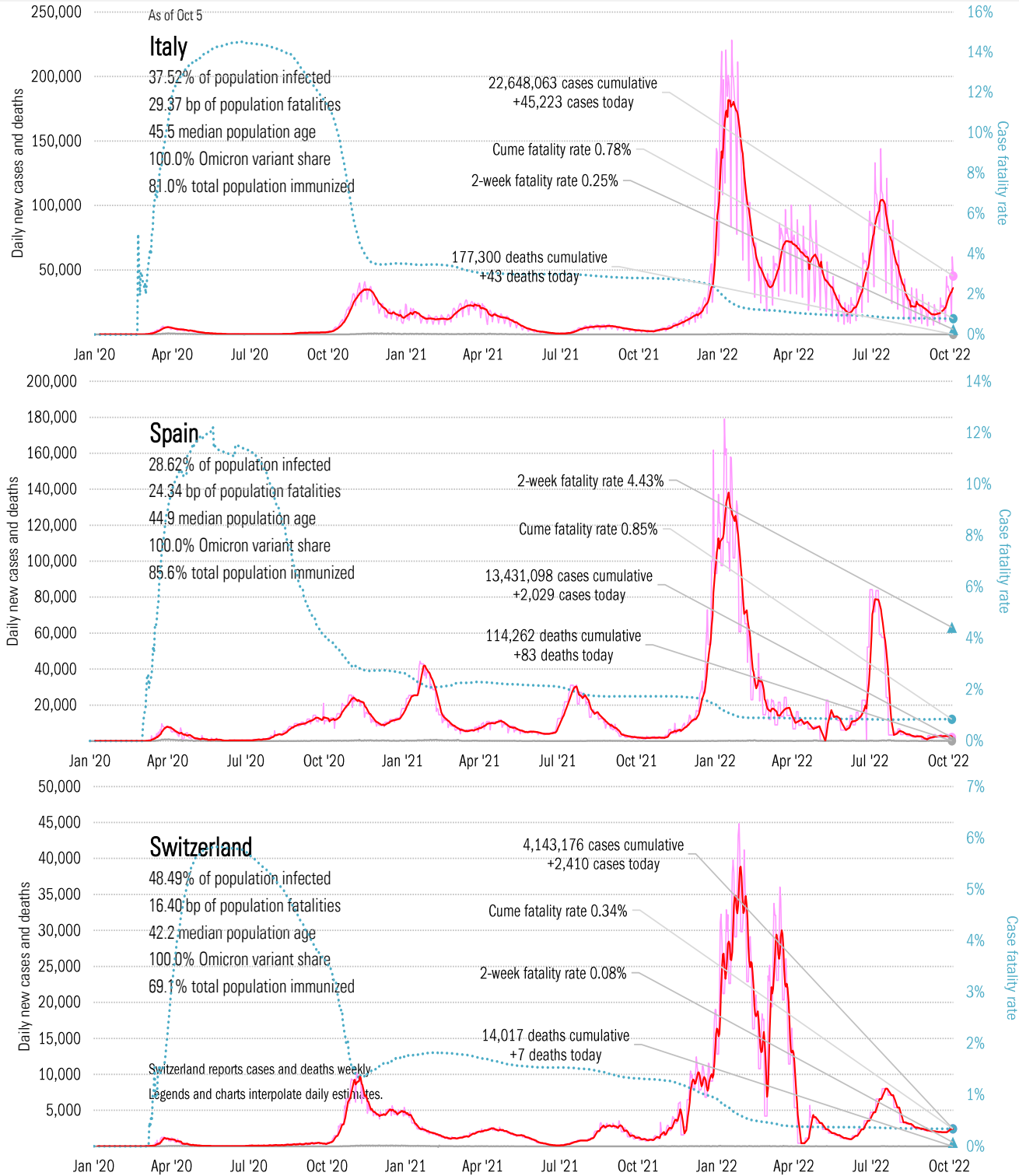
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

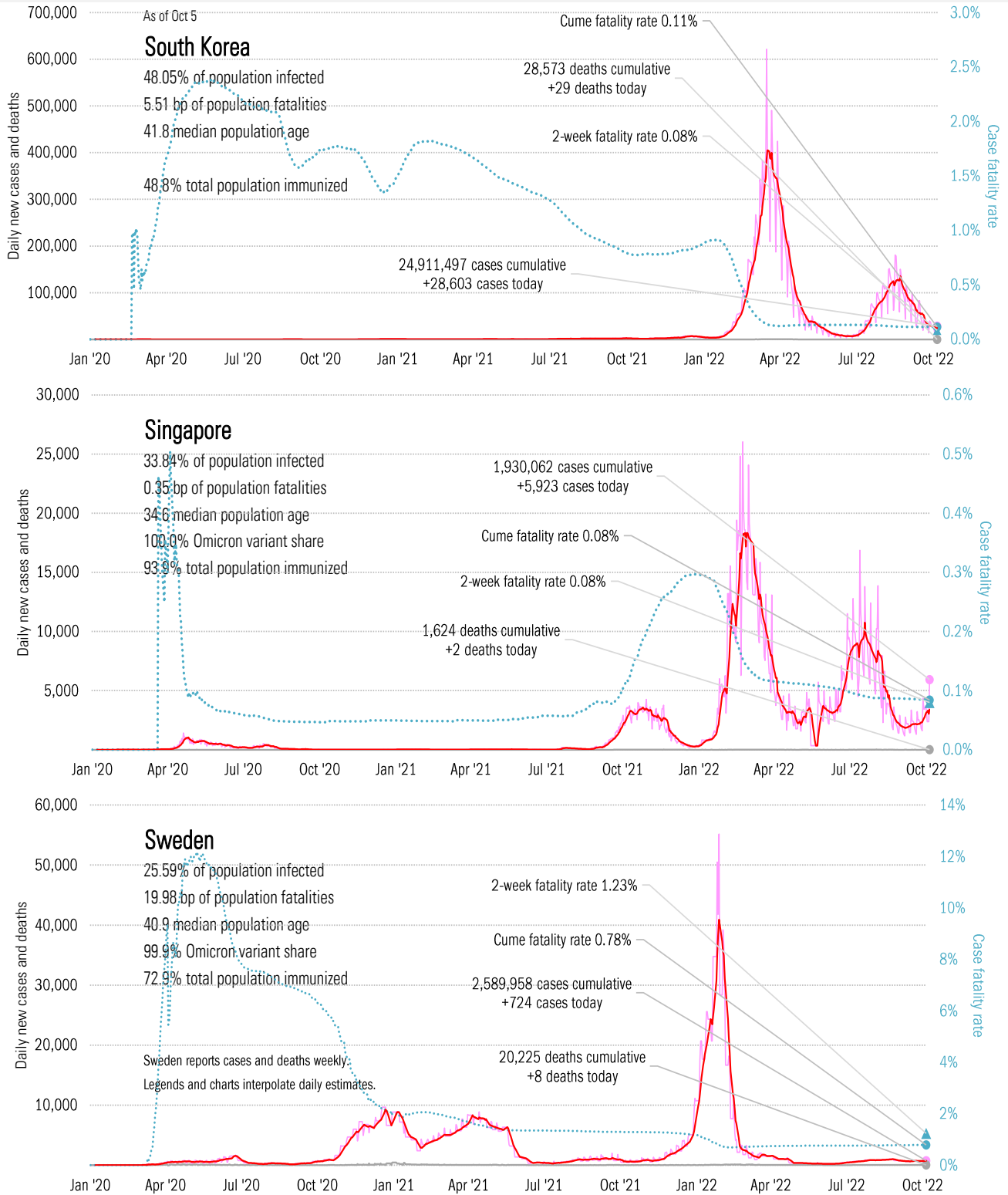
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

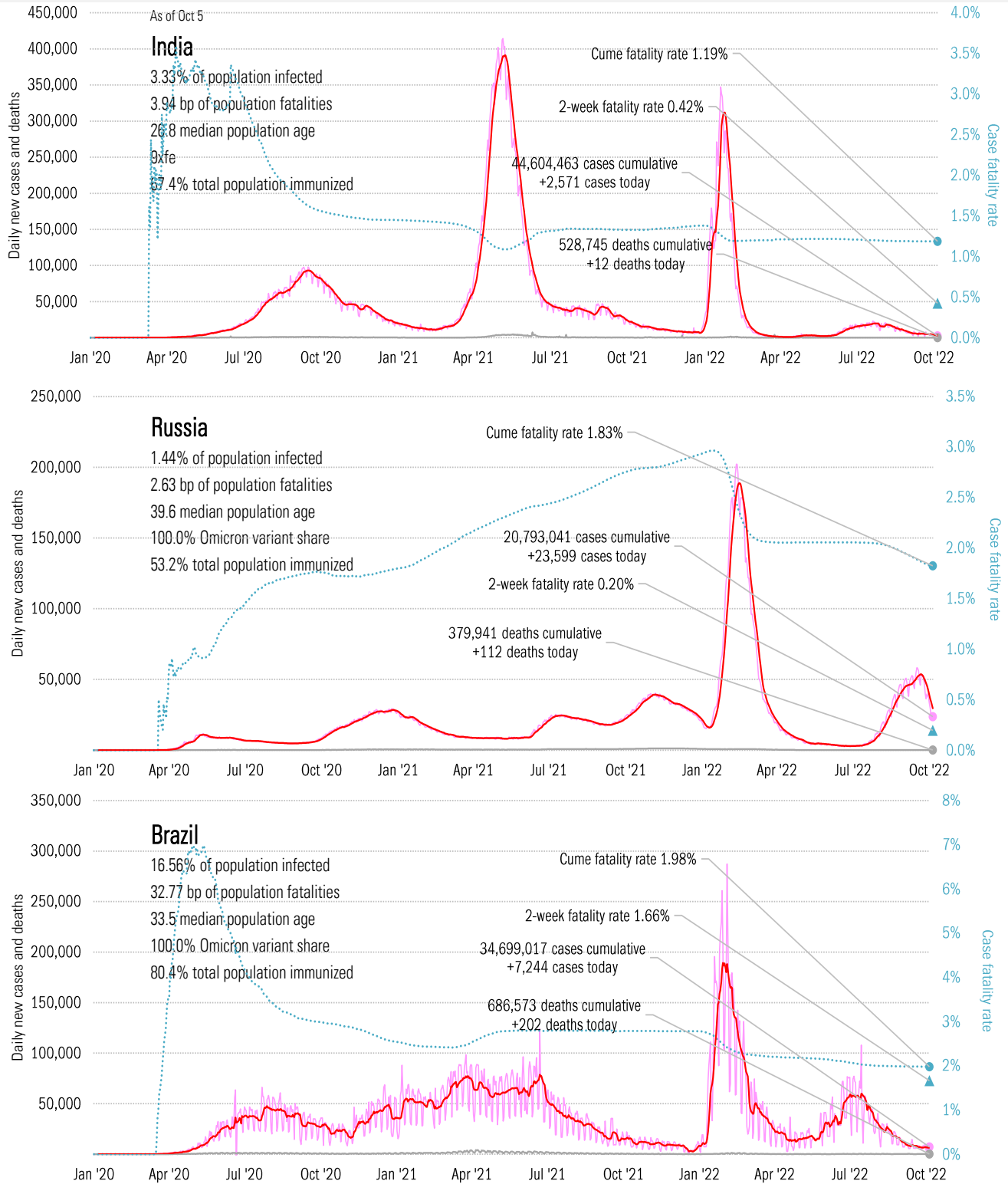
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

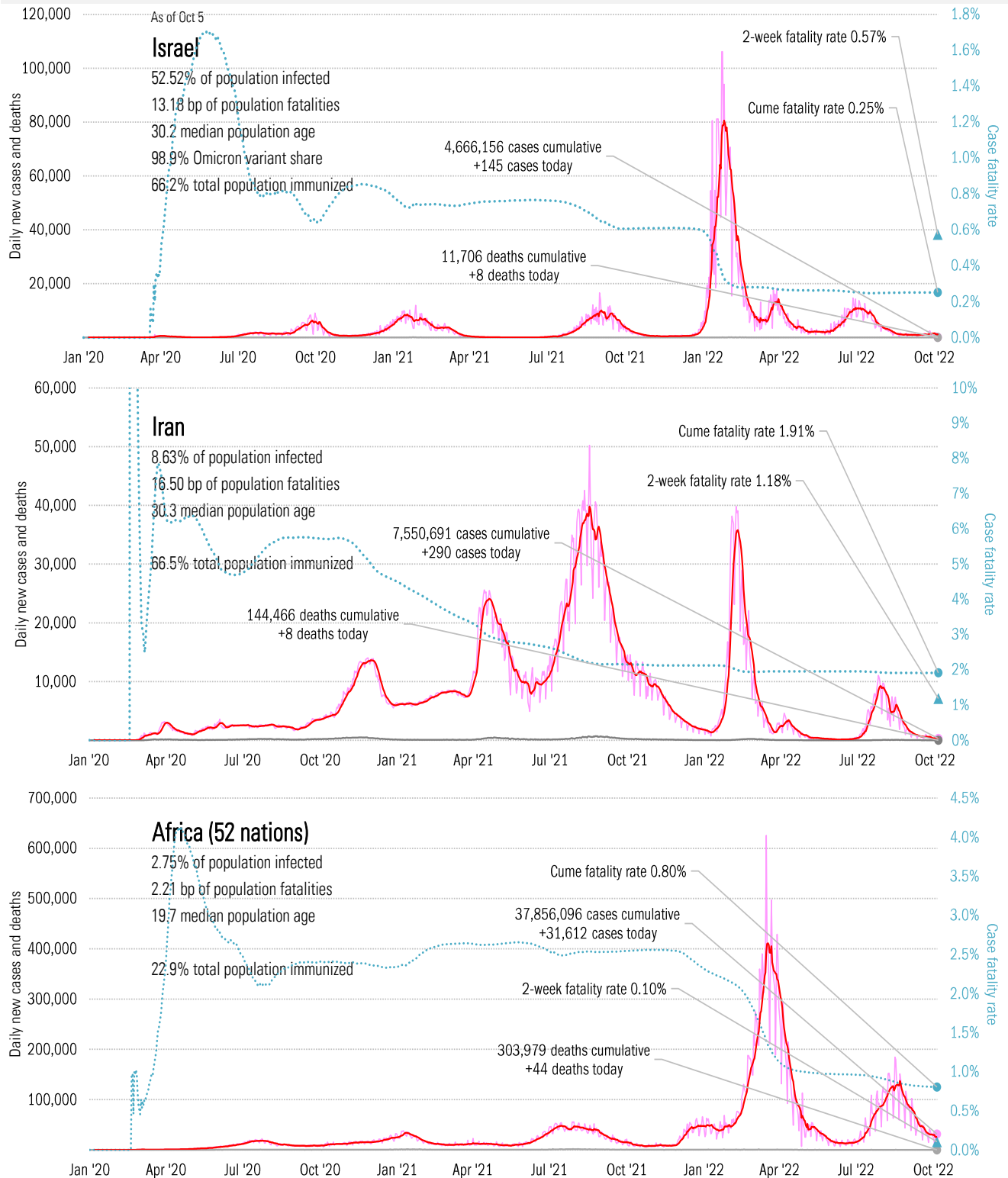
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

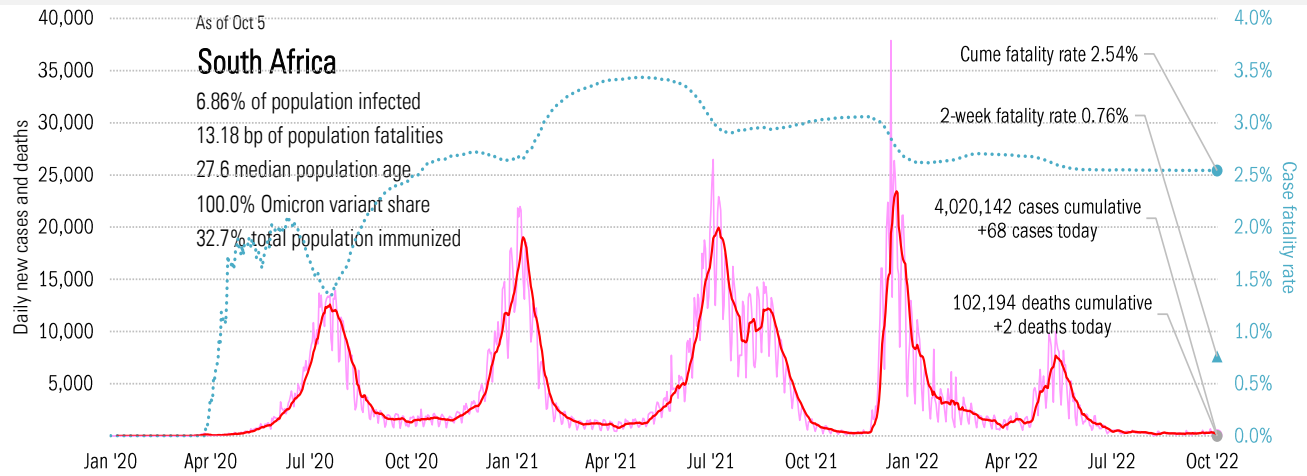
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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