

Data Insights: Covid-2019 Monitor

Saturday, October 15, 2022

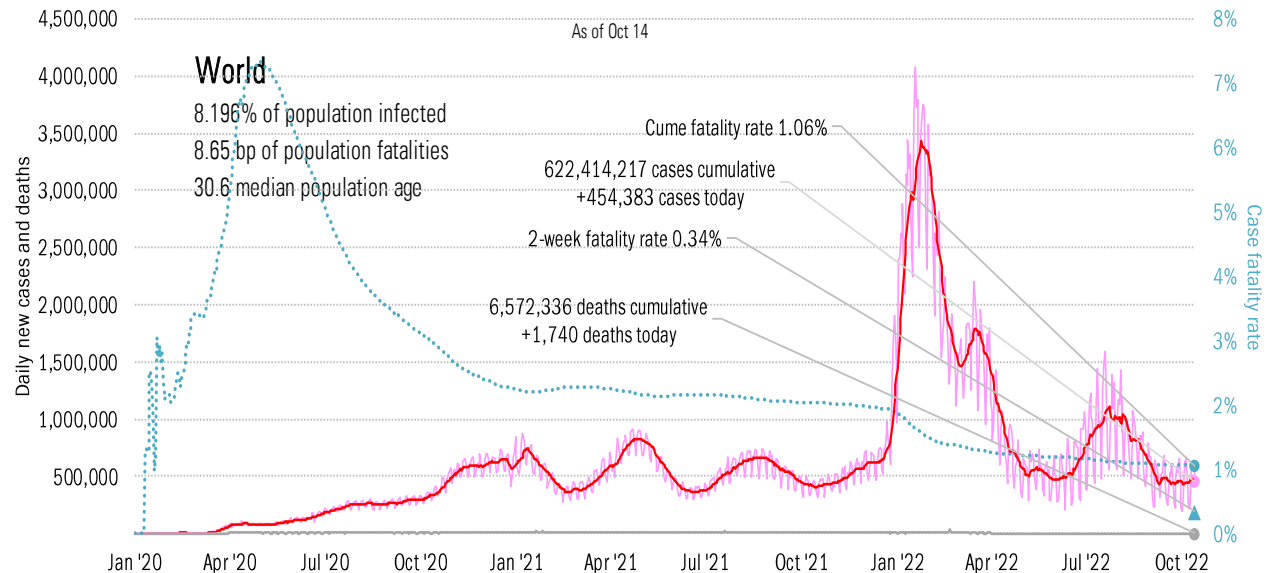
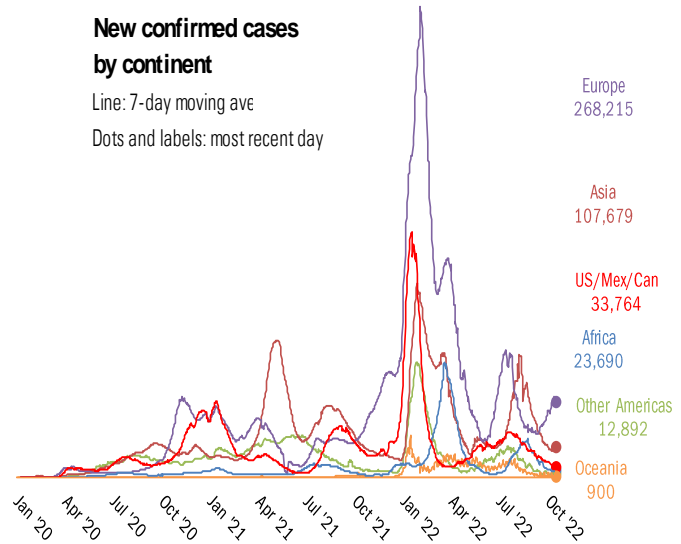
The global scorecard

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

The worst ten countries

New cases		New Deaths	
Germany	91,508	United States	440
France	58,695	Spain	173
Taiwan*	48,220	Germany	160
United States	48,177	Italy	98
Italy	40,576	Russia	97
Japan	36,605	Canada	95
Korea, South	22,757	Taiwan*	80
Spain	20,652	France	79
Russia	14,579	Brazil	75
Austria	13,102	Japan	63
394,871		1,360	
World	454,383	World	1,740
Top ten	87%	Top ten	78%

New confirmed cases by continent



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

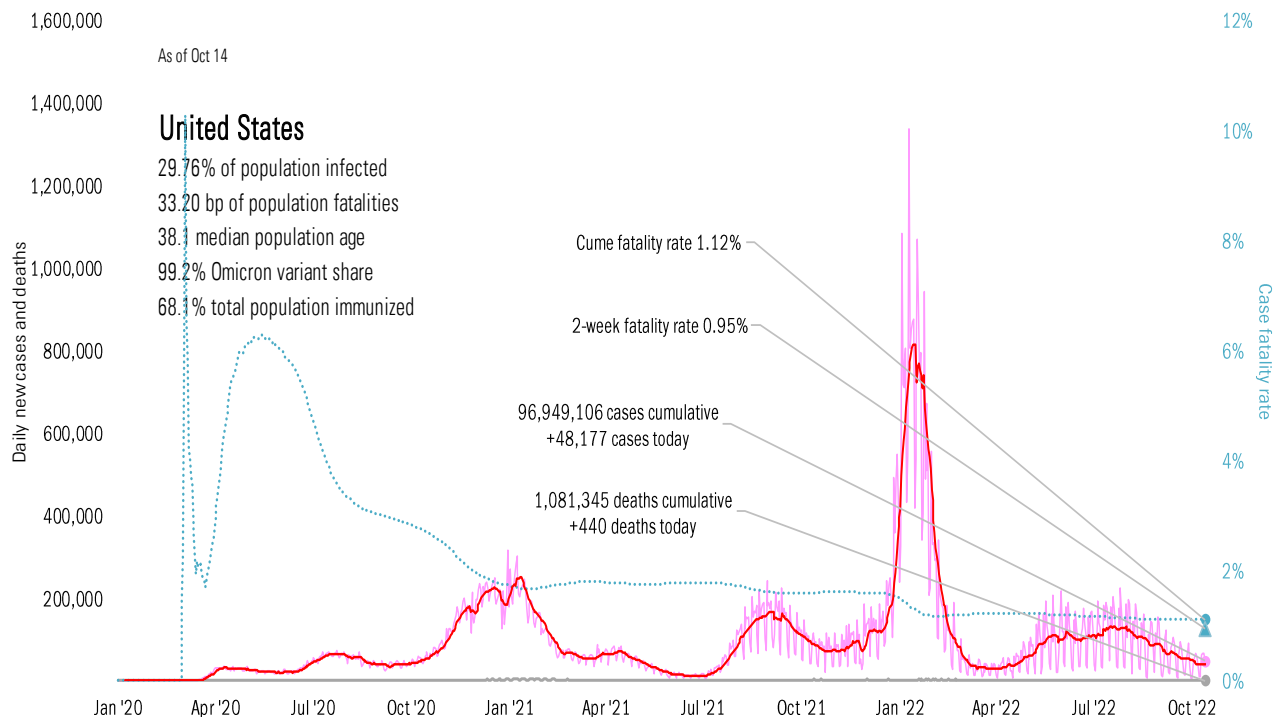
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use									
TX	3,730		FL	36		GA	110		CA	11,320,843		CA	96,437		TX	548,194		GA	91%	GA	119%								
MO	3,326		TX	30		IL	156		TX	8,023,908		TX	91,077		CA	503,538		RI	91%	AK	89%								
NY	3,300		MO	29		PA	232		FL	7,179,341		FL	81,939		FL	496,163		MA	89%	RI	88%								
FL	3,227		MI	22		MI	172		NY	6,178,684		NY	72,177		NY	304,441		MN	86%	MA	85%								
CA	2,862		IL	20		MO	90		IL	3,784,083		PA	47,442		GA	226,717		MO	85%	TX	85%								
KY	2,374		VA	20		OR	49		PA	3,280,190		GA	40,448		OH	220,187		WA	84%	VT	84%								
NJ	1,938		WA	20		CO	52		NC	3,220,858		CH	40,037		PA	206,211		MD	83%	NC	83%								
IL	1,832		PA	17		H	16		CH	3,162,278		IL	39,843		IL	188,534		DC	83%	NE	83%								
OK	1,815		DE	15		CH	162		GA	2,913,382		MI	38,919		MI	164,458		MI	83%	NM	82%								
PA	1,803		NY	13		WI	83		MI	2,861,595		NJ	34,815		KY	145,742		WV	82%	WV	82%								
26,207			221			1,122			51,925,162			583,134			3,004,185														
All states			48,177			440			3,426			All states			96,949,106			1,081,345			5,451,698			All states		70%		67%	
Top ten			54%			50%			33%			Top ten			54%			55%			55%			Median		78%		75%	

Some states not reporting

Five most improved US states

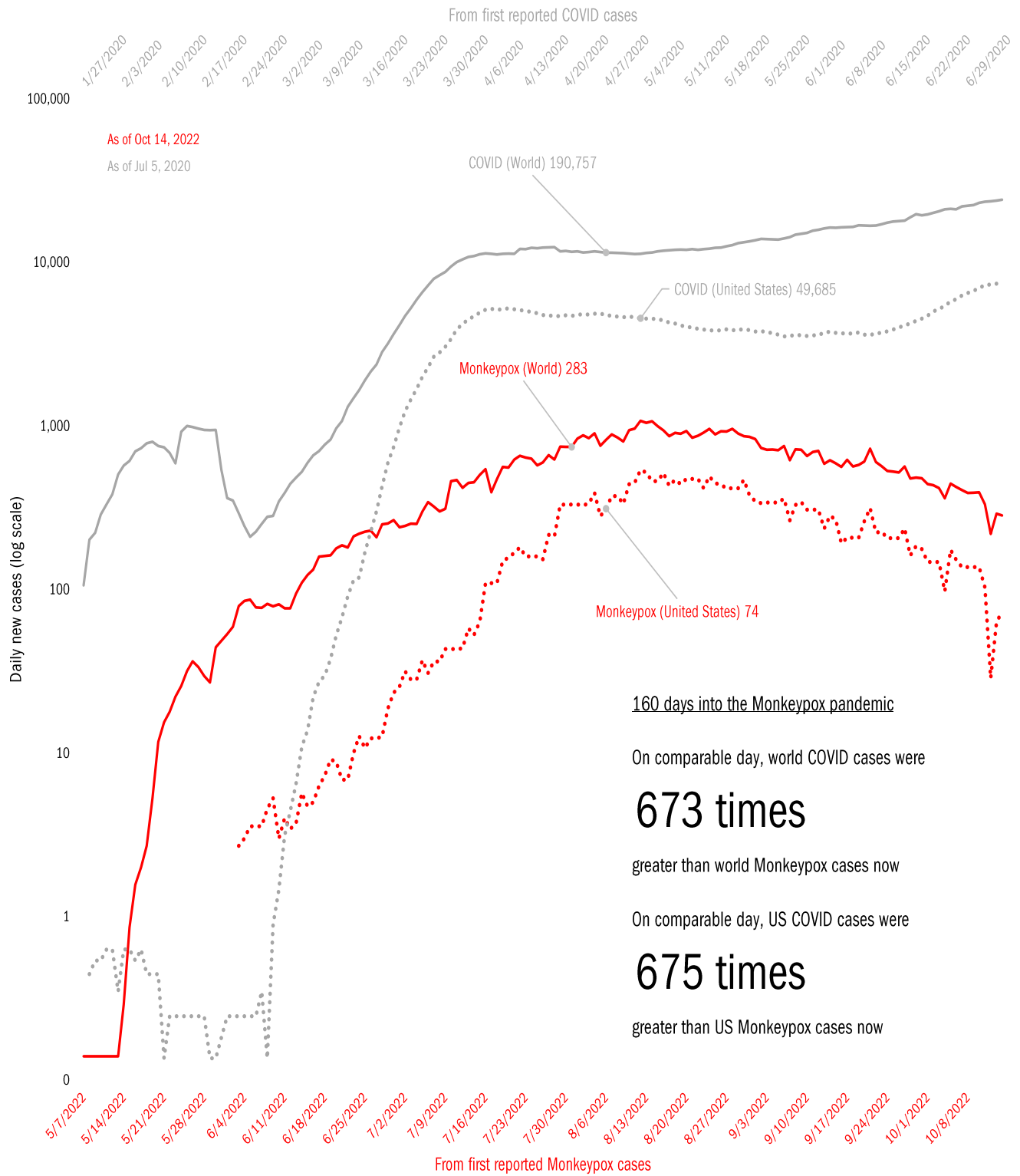
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-3,596	CA	-134	NY	-67
NY	-1,746	NY	-46	NJ	-47
IL	-436	WI	-12	CT	-41
ID	-367	WA	-10	LA	-39
NJ	-194	ME	-7	WA	-36



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

The Monkeypox contextualizer

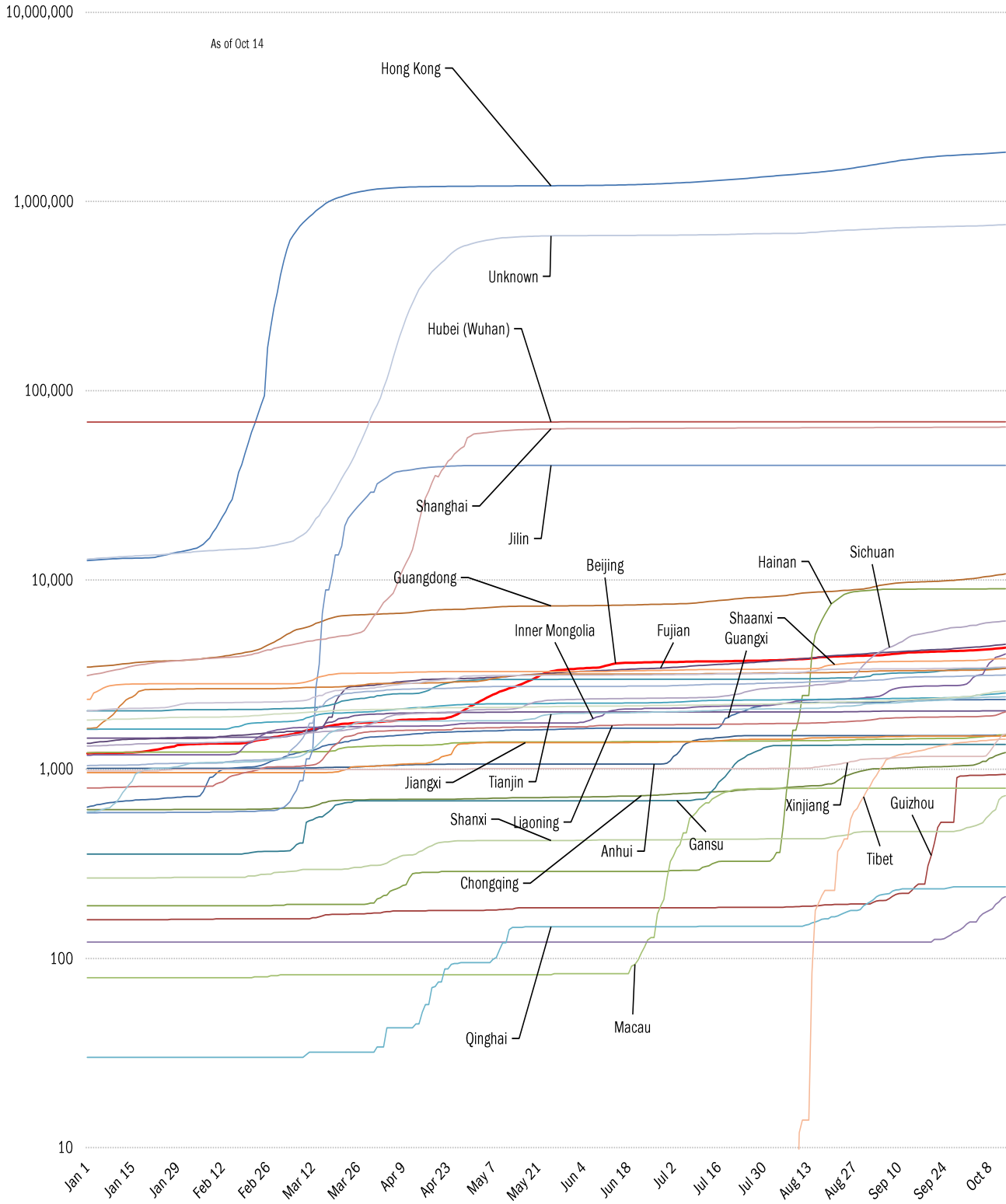
The course of case growth versus COVID



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"

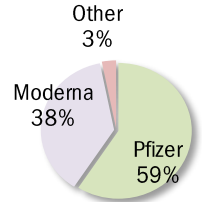


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	643,583,151		+0.536 million	US	68.1%	79.9%
of which boosters	113,097,158		+0.042 million	UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	273,344,554	82%	232,908,646	70%	+0.049 million	France 78.7% 81.0%
Age 12 to 17	18,261,175	72%	15,609,028	62%	+0.002 million	Spain 85.6% 87.0%
Age 18 to 64	182,139,977	90%	154,856,290	76%	+0.024 million	Germany 76.1% 77.7%
Age 65 and over	60,207,686	100%	52,698,897	96%	+0.016 million	Italy 81.0% 85.8%
						Australia 84.0% 86.6%
						Israel 66.2% 72.3%
						Canada 82.8% 87.8%
						Japan 82.6% 83.7%
						Africa 24.1% 30.1%
						India 67.4% 72.9%
						Brazil 80.4% 87.4%
						China 89.2% 91.4%



AK	71.9%
	64.4%

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

"Immunity" = two doses

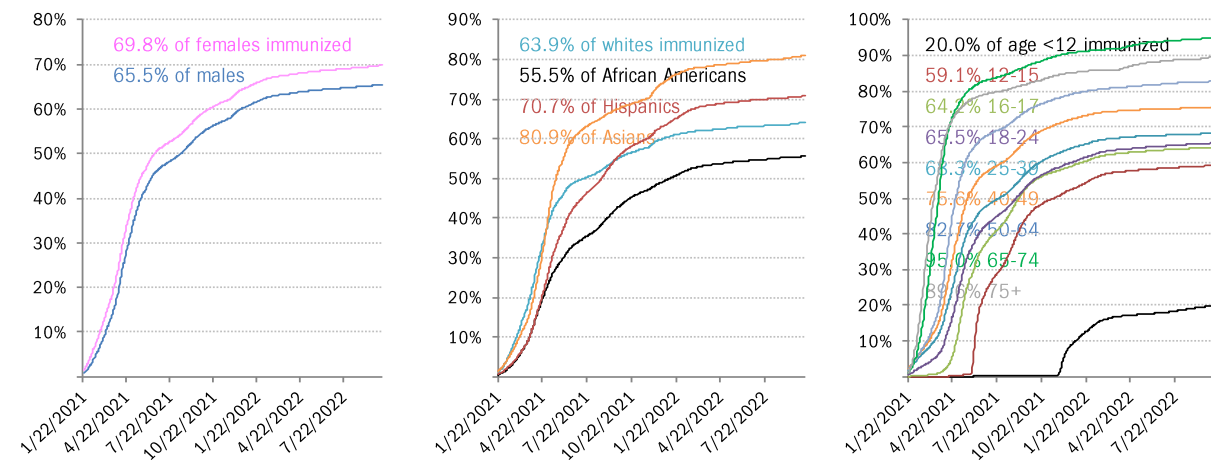
Best
Middle
Worst

Global data differs due to sources, timing

As of Oct 14

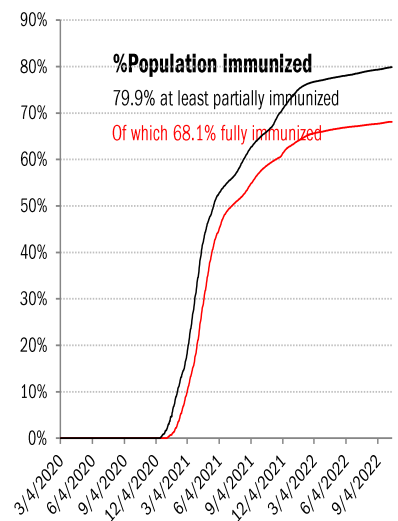
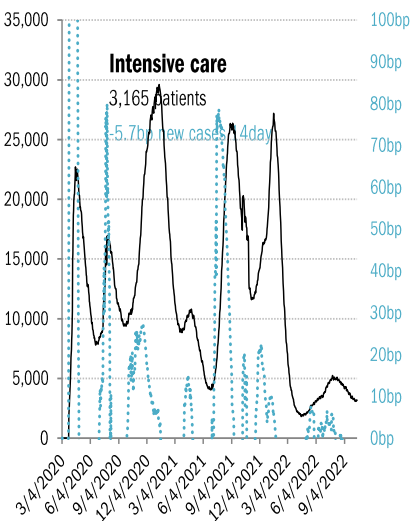
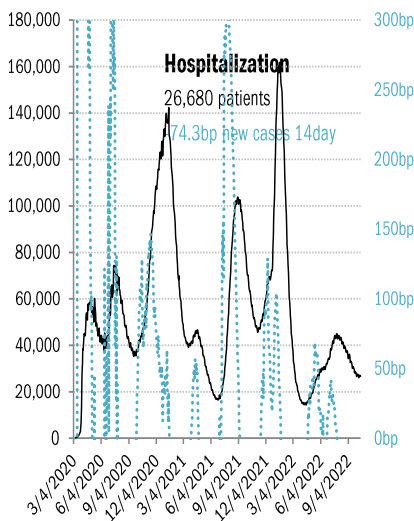
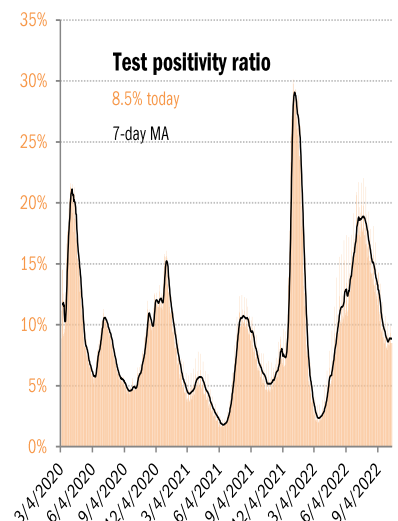
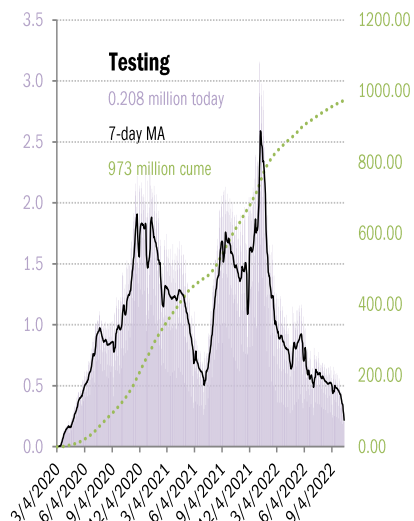
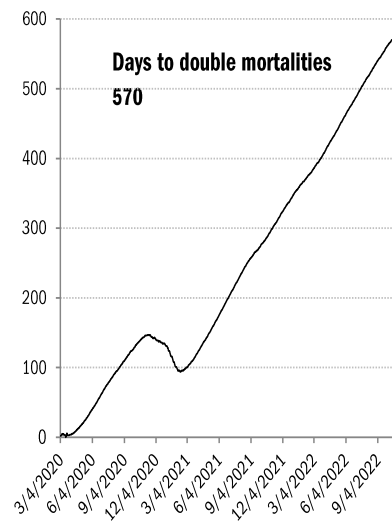
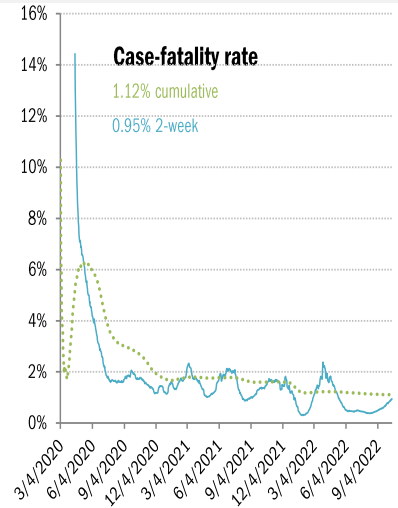
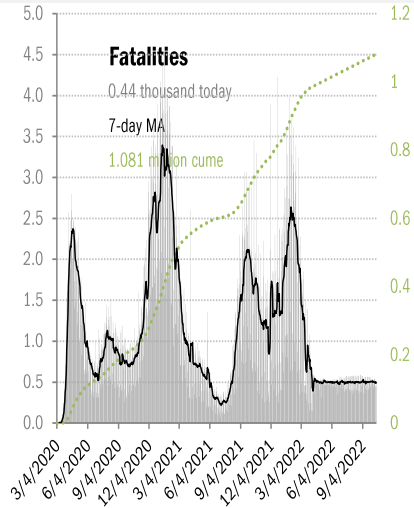
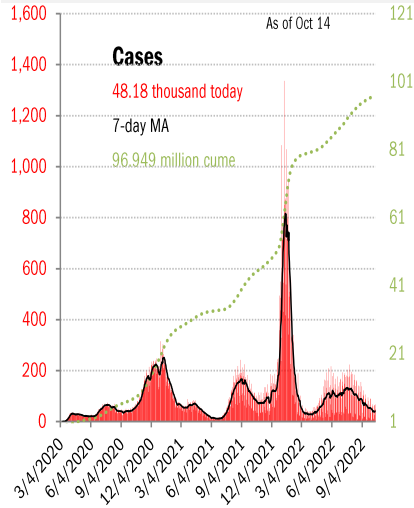
					WI						ME
					73.8%						94.3%
					67.2%						81.9%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
83.6%	62.9%	67.0%	67.8%	77.4%	78.0%	68.6%			92.7%	95.0%	84.7%
74.7%	55.6%	58.3%	57.3%	70.9%	70.3%	61.5%			79.3%	83.7%	69.6%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA	
80.0%	77.5%	59.7%	80.5%	69.6%	63.5%	64.8%	88.2%		93.1%	95.0%	
71.2%	62.5%	52.2%	64.4%	63.4%	57.1%	59.7%	71.3%		77.8%	82.0%	
CA	UT	CO	NE	MO	KY	WV	VA		MD	CT	RI
85.0%	74.1%	82.1%	72.2%	68.1%	67.8%	66.6%	88.7%		89.8%	95.0%	95.0%
74.1%	65.8%	72.3%	65.2%	57.9%	58.8%	59.0%	75.3%		78.2%	81.5%	85.9%
	AZ	NM	KS	AR	TN	NC	SC		DC	DE	
	76.2%	91.5%	74.8%	68.7%	63.7%	88.9%	69.8%		95.0%	86.2%	
	63.7%	73.5%	64.0%	56.0%	55.7%	64.8%	58.9%		81.7%	71.7%	
			OK	LA	MS	AL	GA				
			73.3%	62.3%	61.1%	64.2%	67.3%				
			59.3%	54.6%	53.2%	52.4%	56.4%				
			TX						FL		PR
			74.9%						81.3%		95.0%
			62.4%						68.6%		85.7%

The demographics of US vaccination

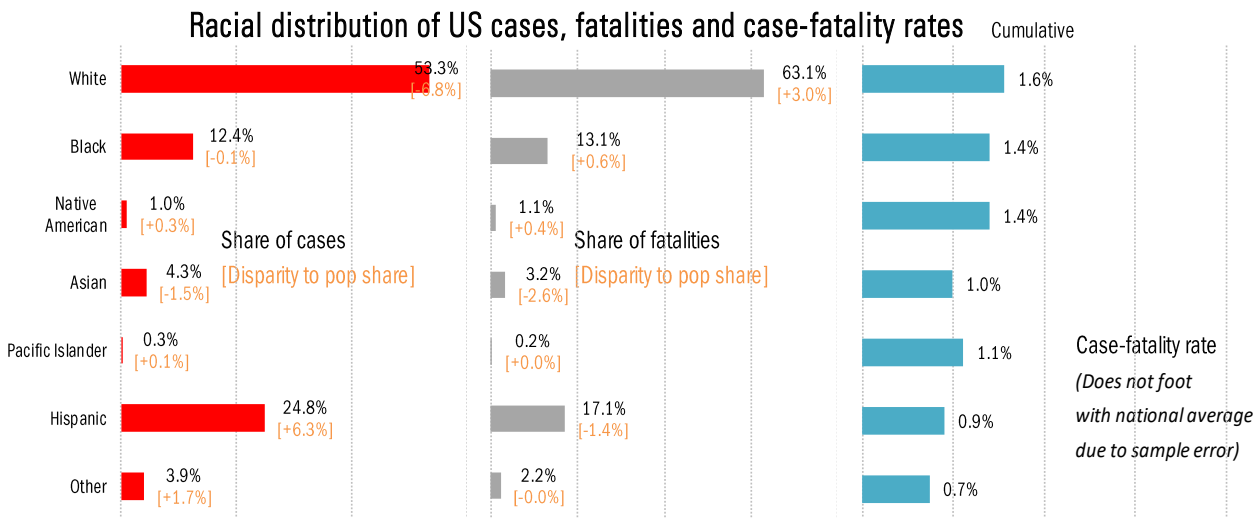
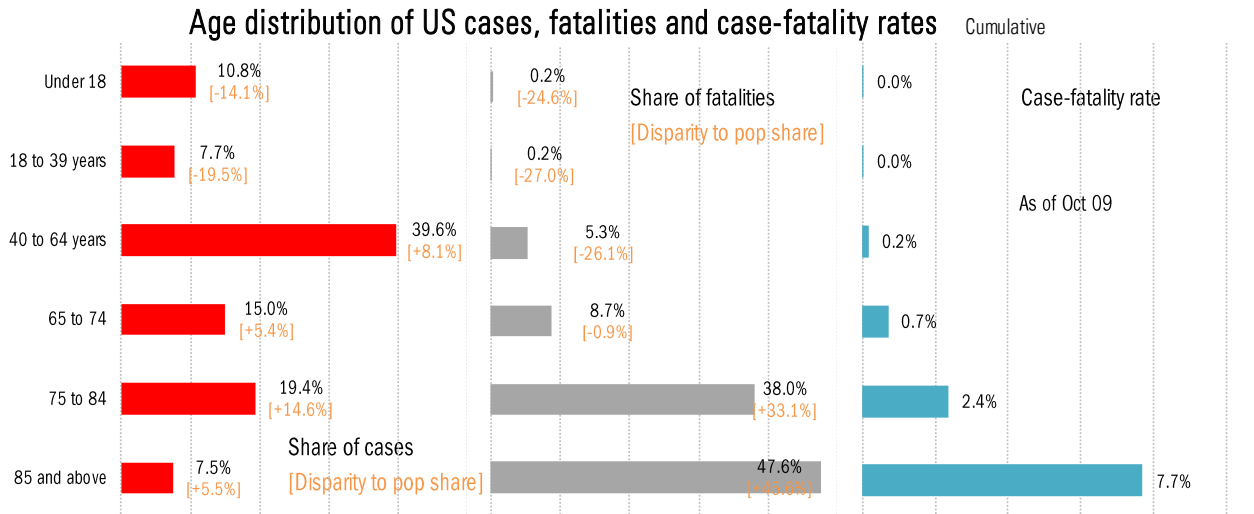


Source: CDC, CDC, Our World in Data, TrendMacro calculations

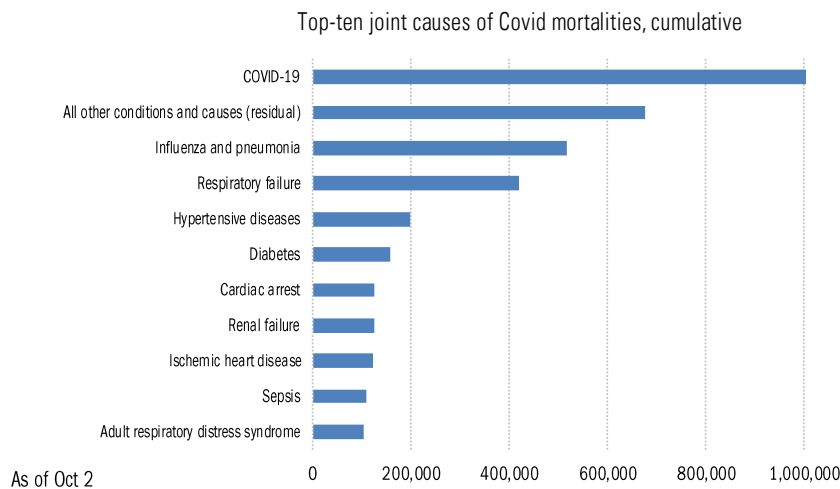
US deep-dive



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

[Breaking the Sound Barrier: Chuck Yeager and the Bell X-1](#)

Bob van der Linden
Smithsonian National Air and Space Museum
October 13, 2022

[China gives clearest sign yet it will stick with zero-Covid strategy](#)

Zhuang Pinghui
South China Morning Post
October 11, 2022

[Biden's Choose-Your-Own Covid Pandemic Policy](#)

Wall Street Journal
October 14, 2022

[First-ever cancer vaccine could be ready in months, scientists say](#)

Isabel Shaw
The Sun
October 14, 2022

[New Omicron Covid-19 Subvariants on the Rise in U.S., CDC Say](#)

Jon Kamp and Brianna Abbott
Wall Street Journal
October 14, 2022

[Fauci Edited Bat-Virus Research Papers in the Weeks After COVID-19 Outbreak](#)

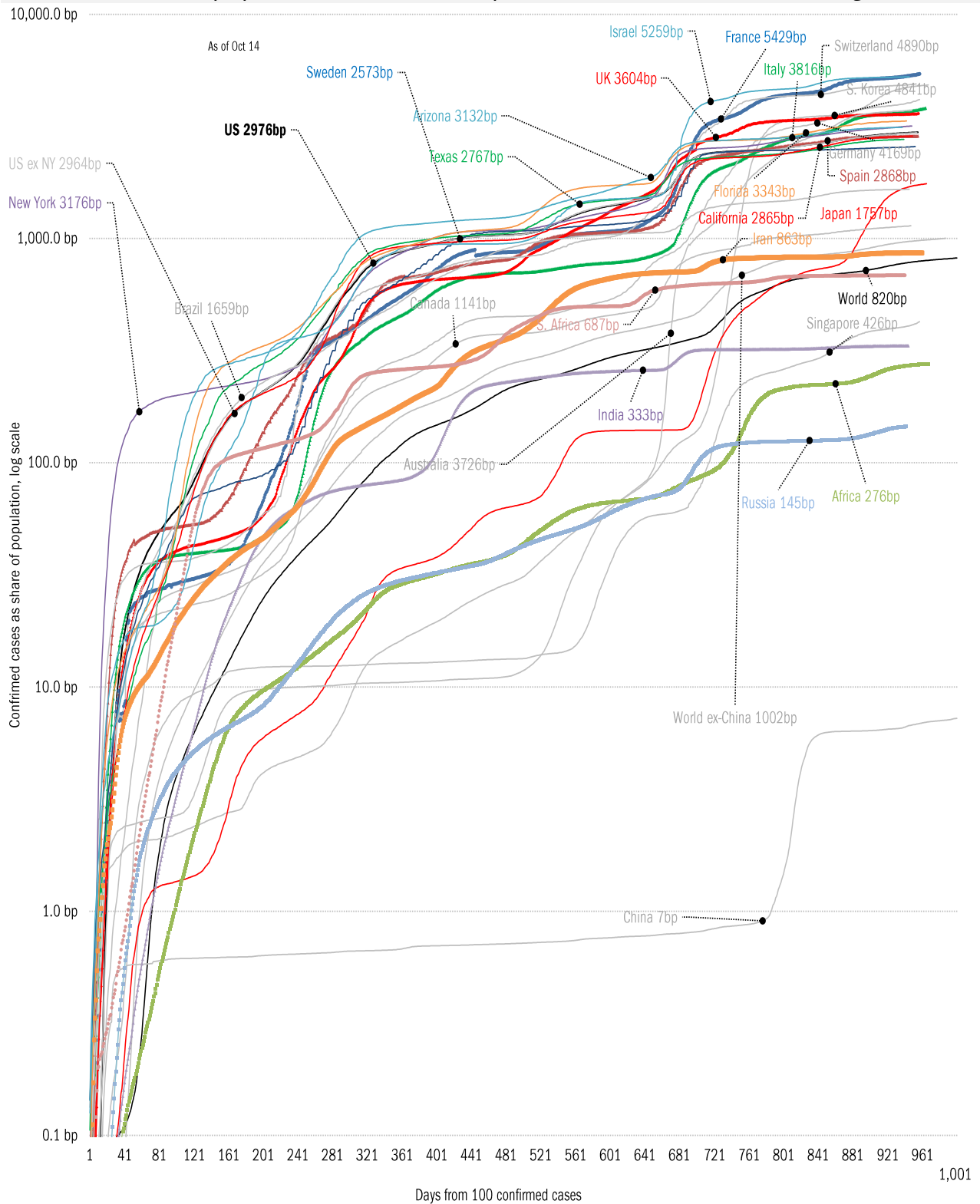
Scott Hounsell
Red State
October 14, 2022

Meme of the day



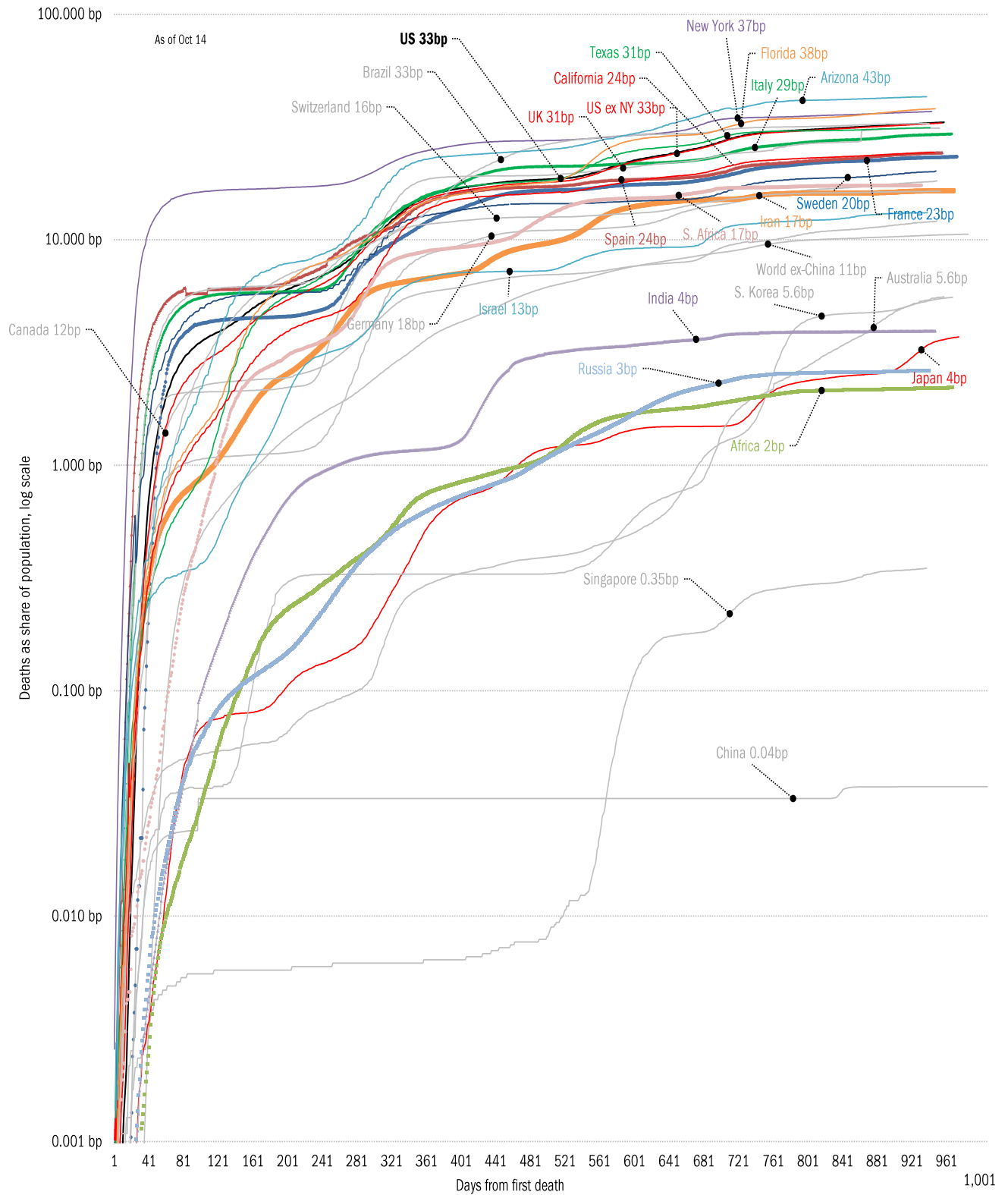
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

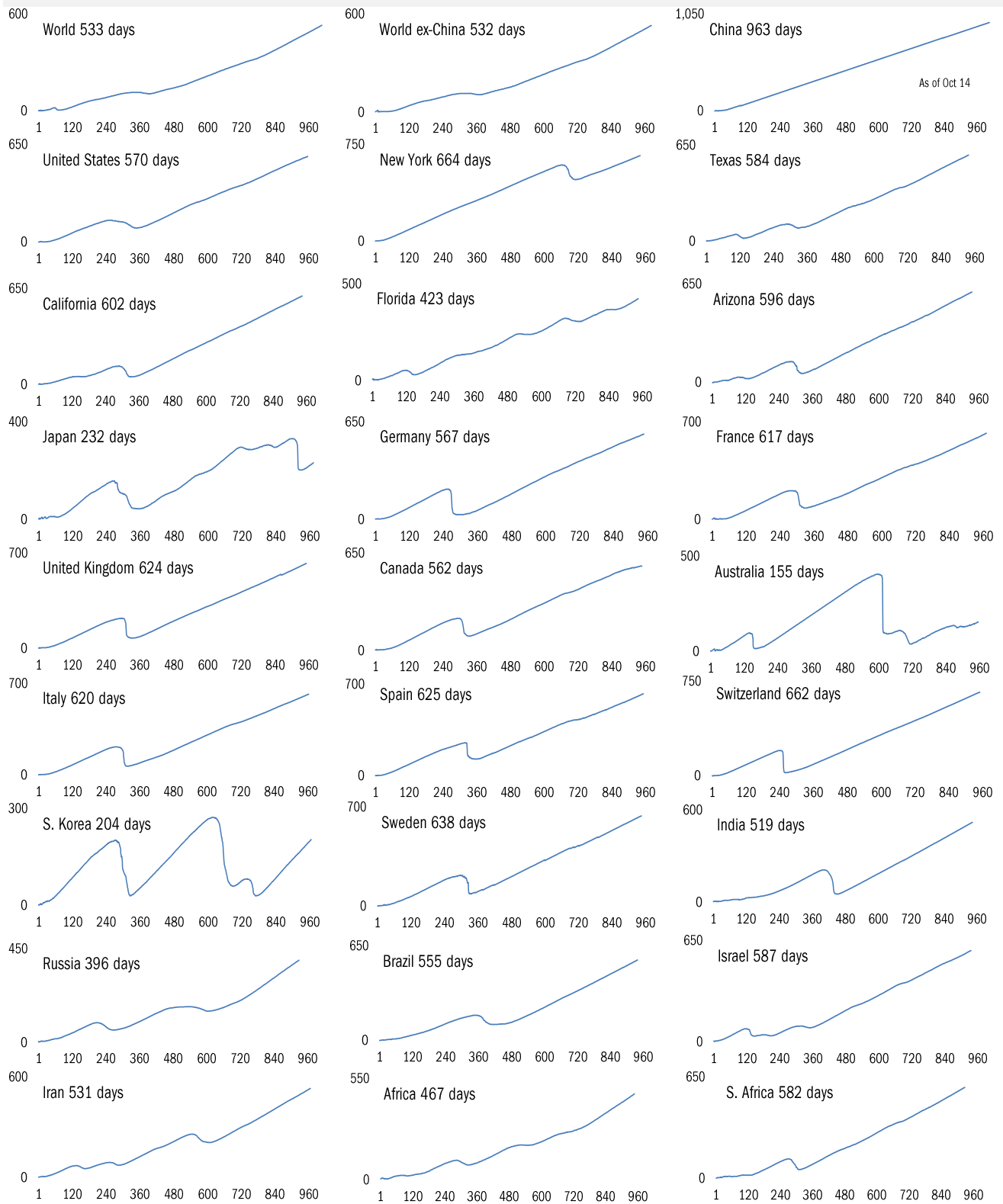


Source: [Johns Hopkins](#), TrendMacro calculations

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

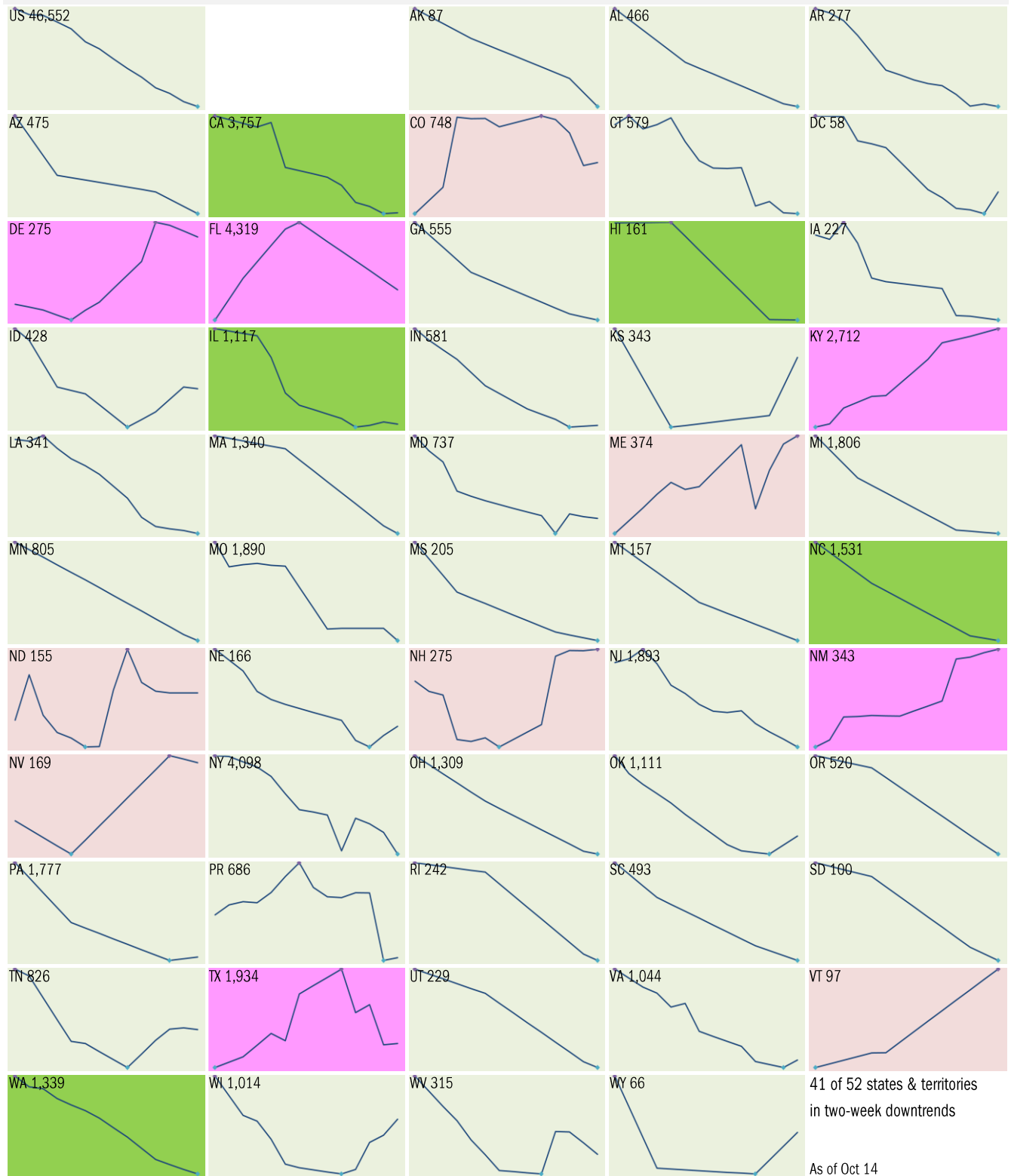


Source: [Johns Hopkins](#), TrendMacro calculations

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

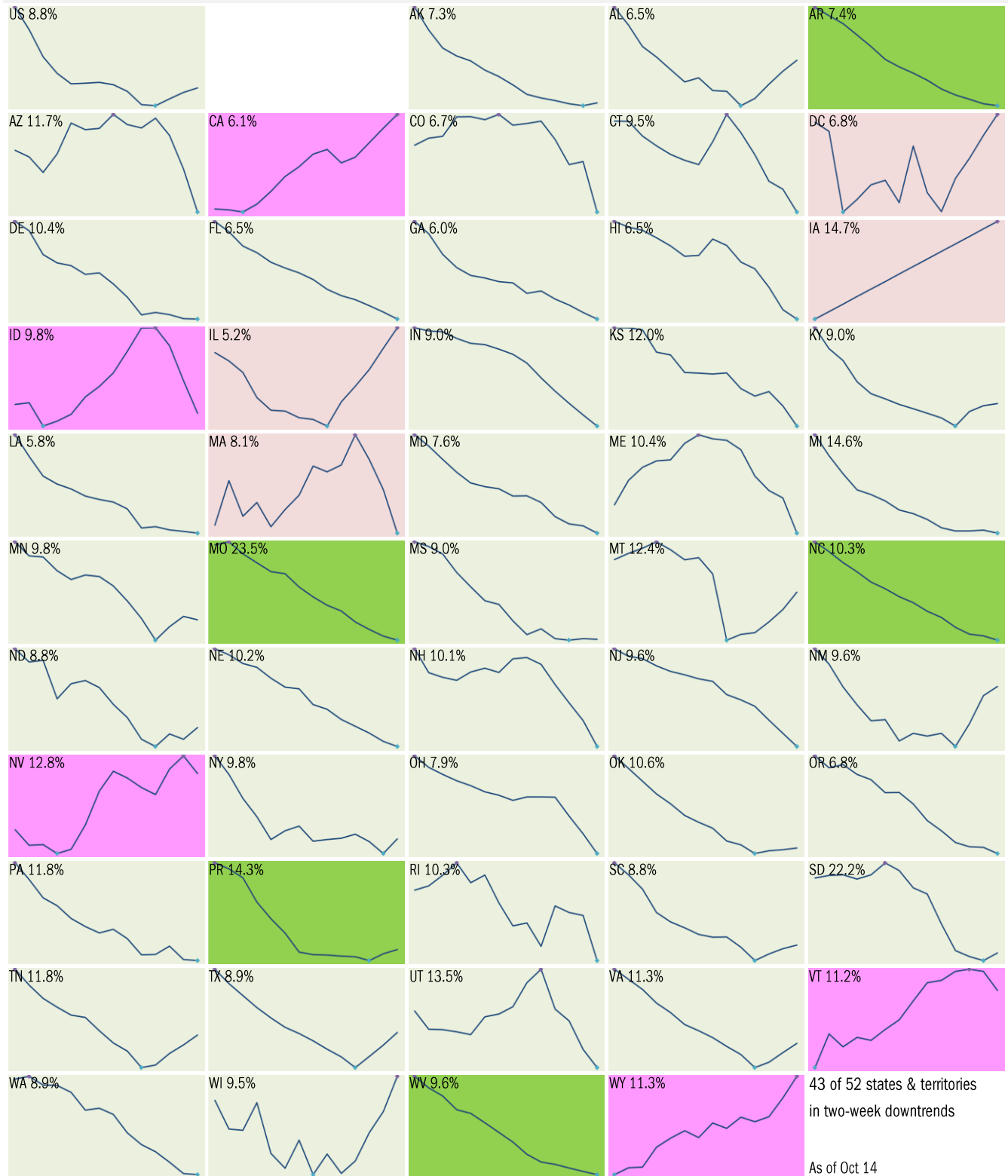


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

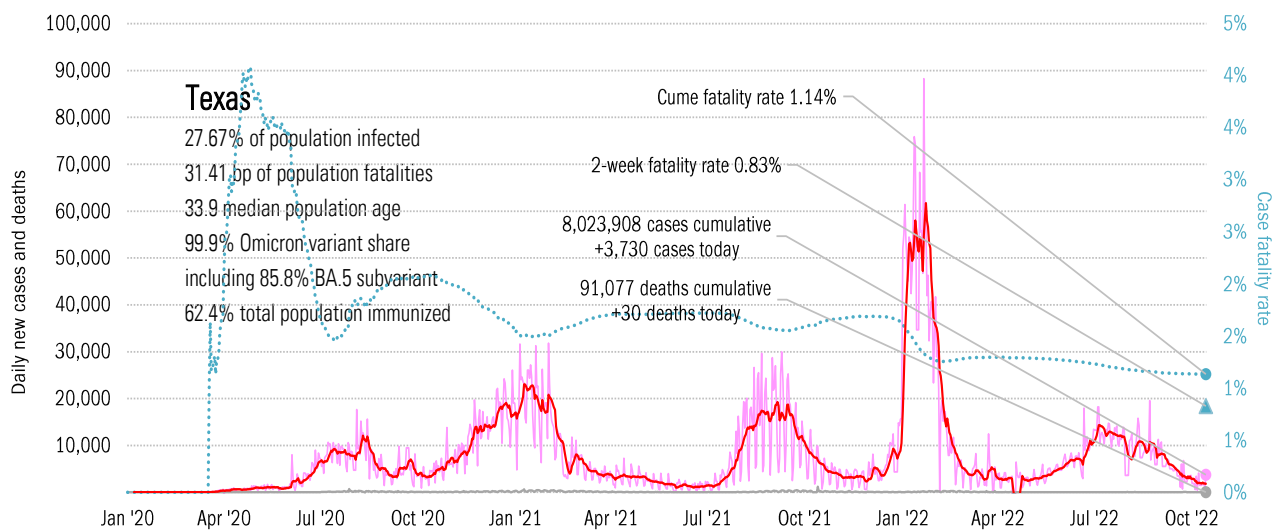
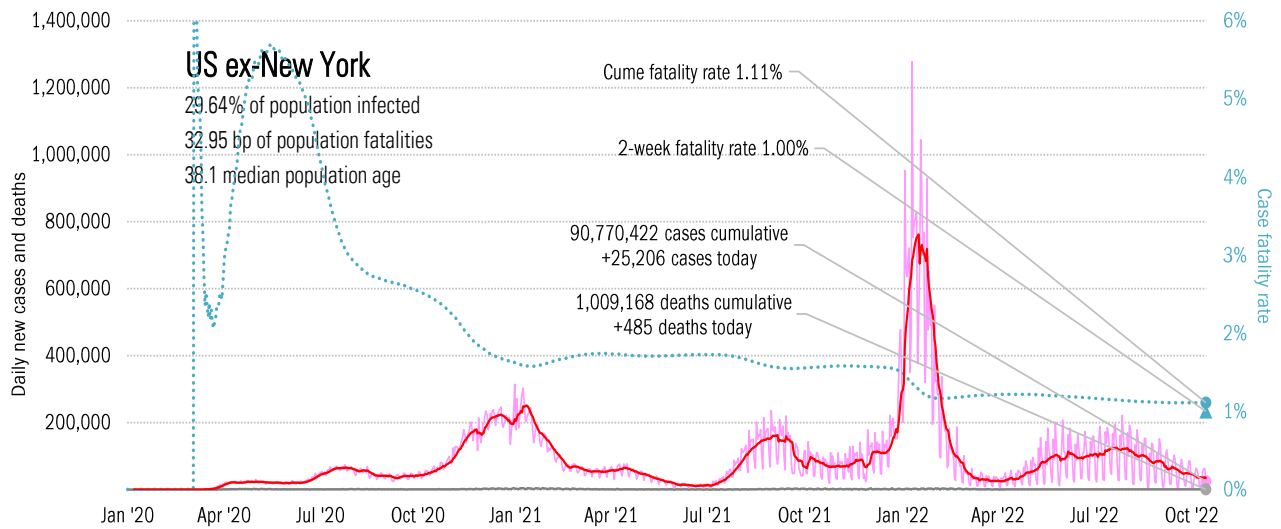
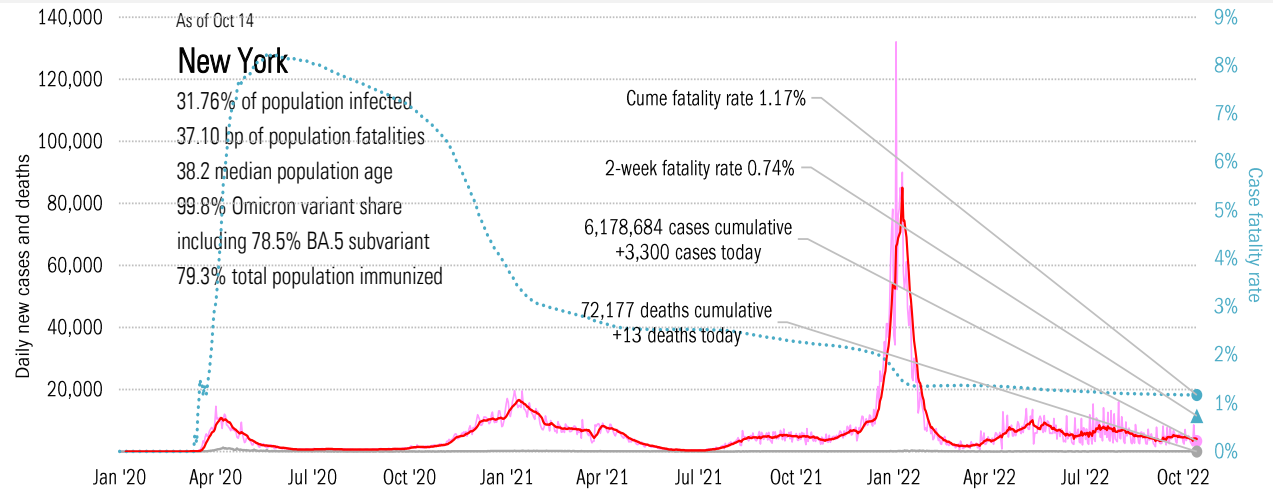
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

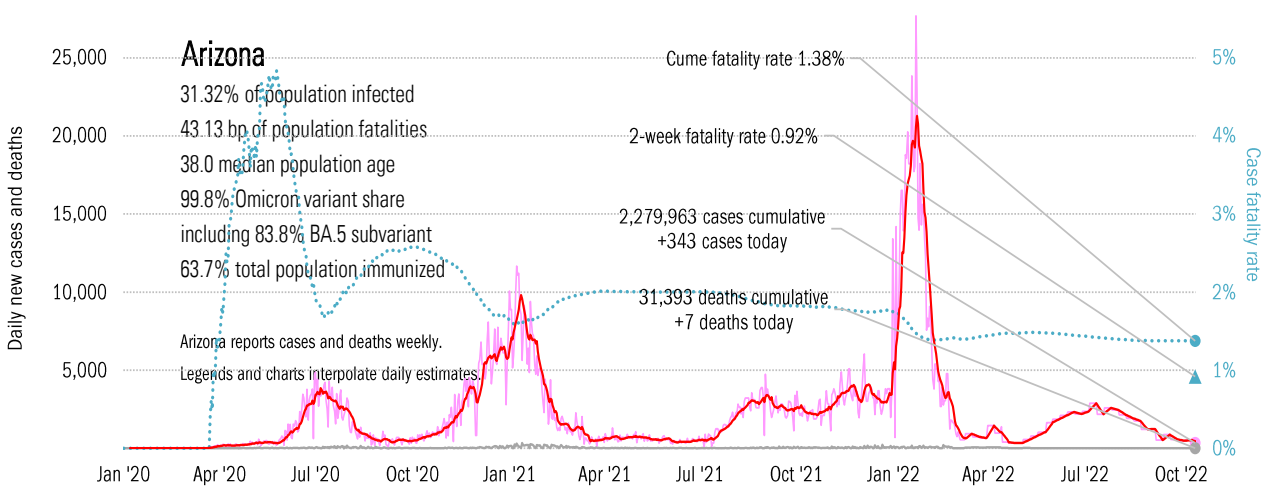
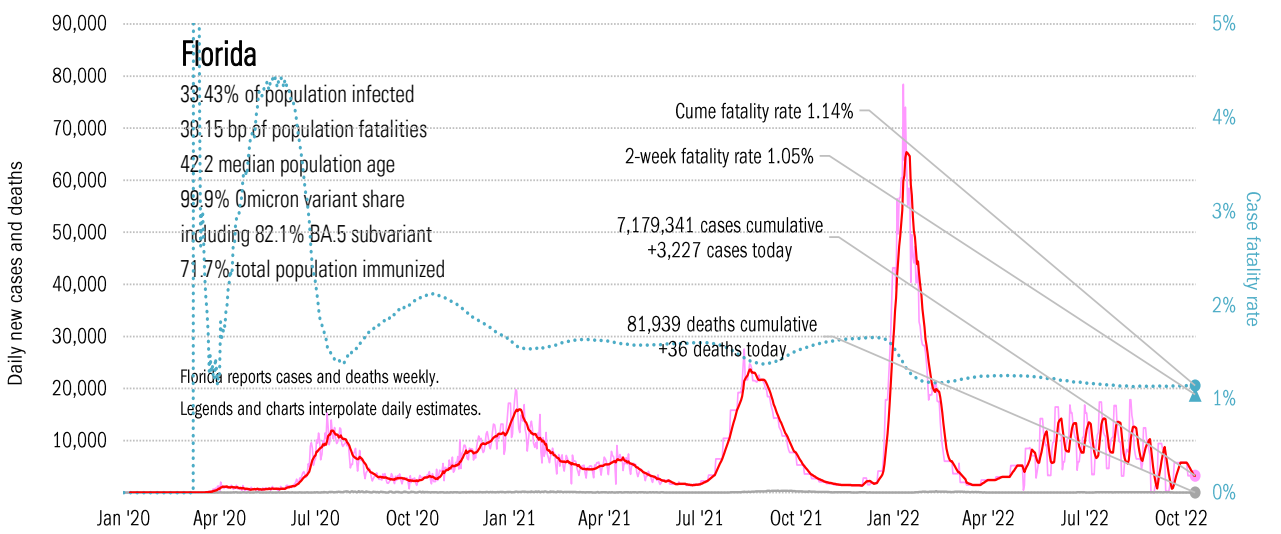
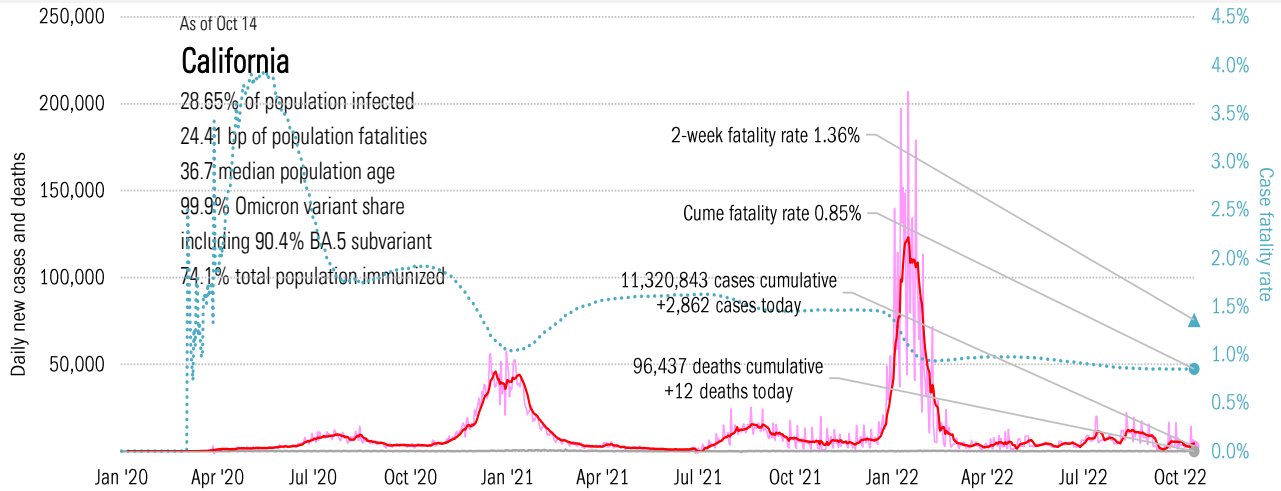
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

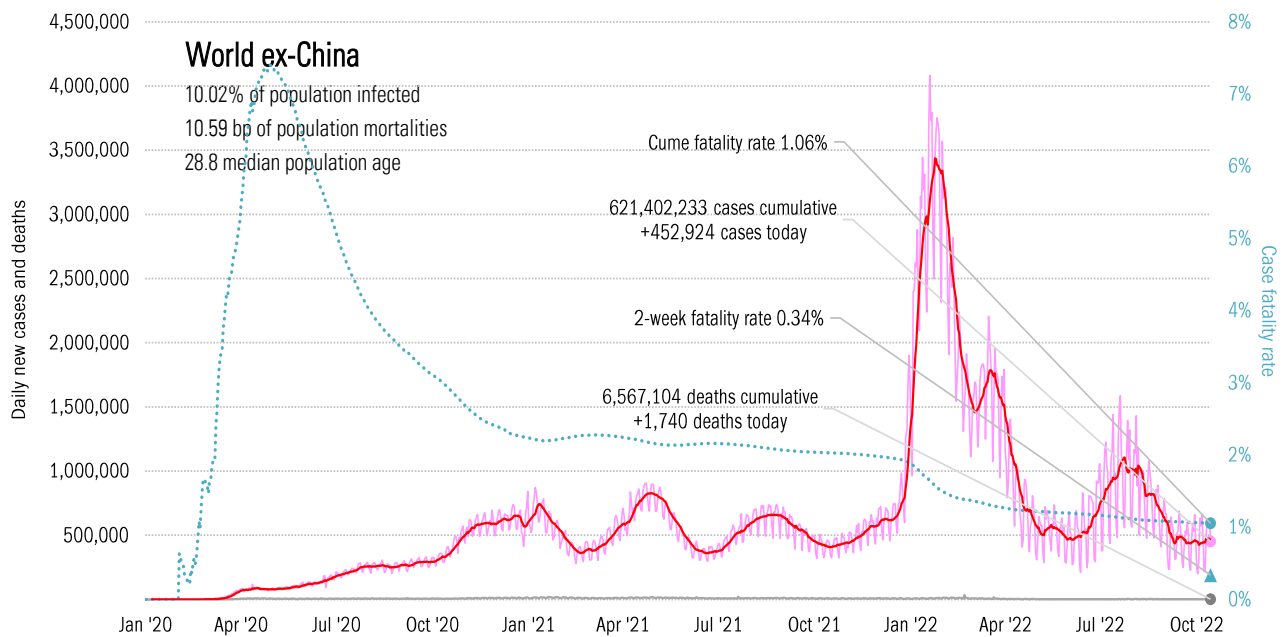
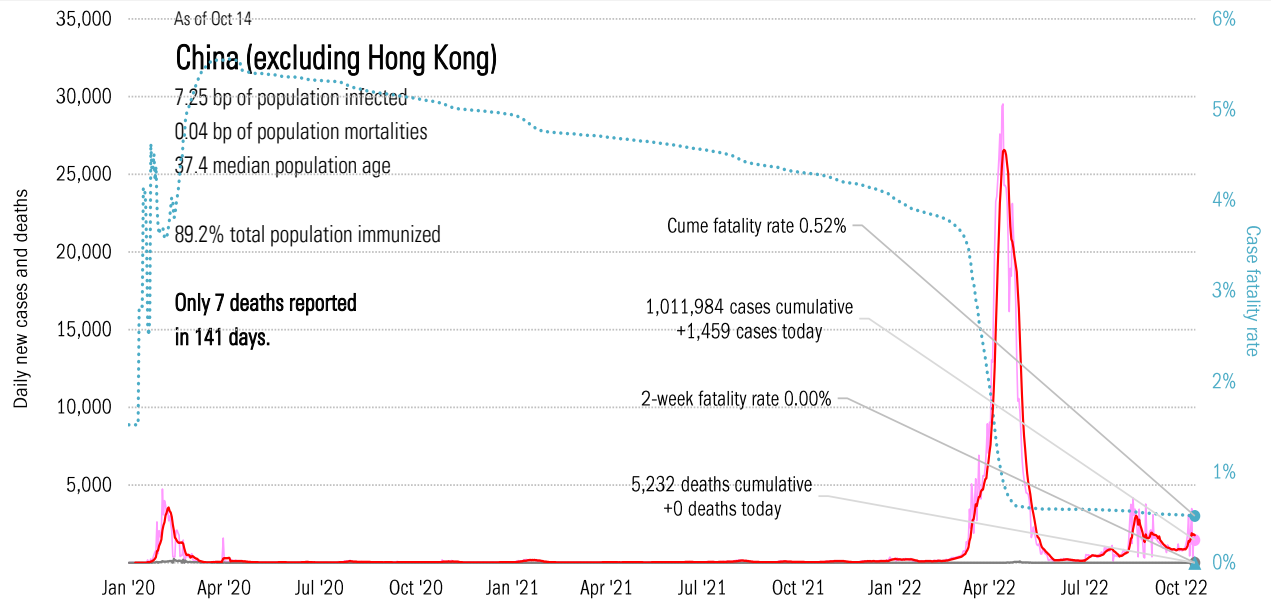
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

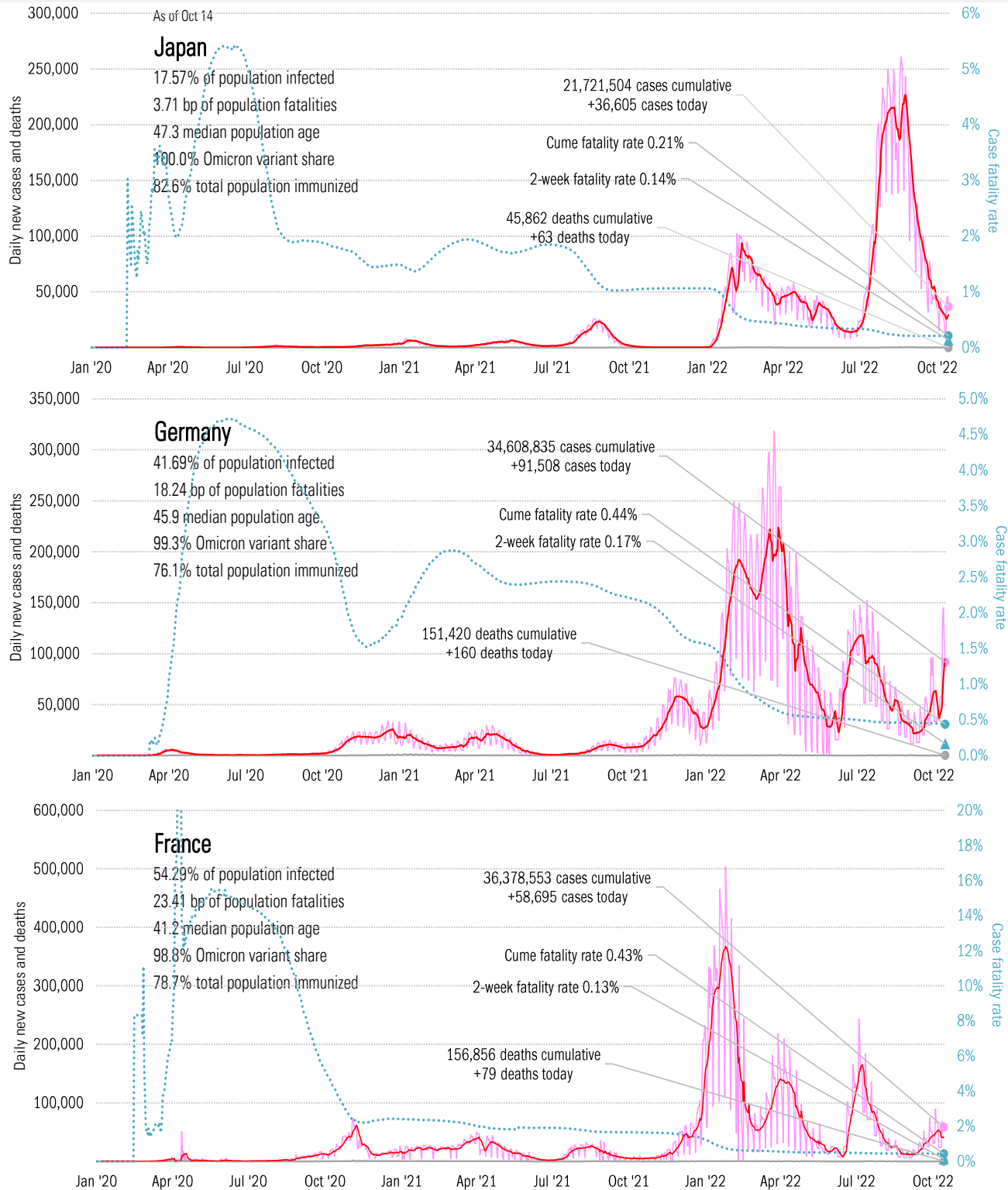
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

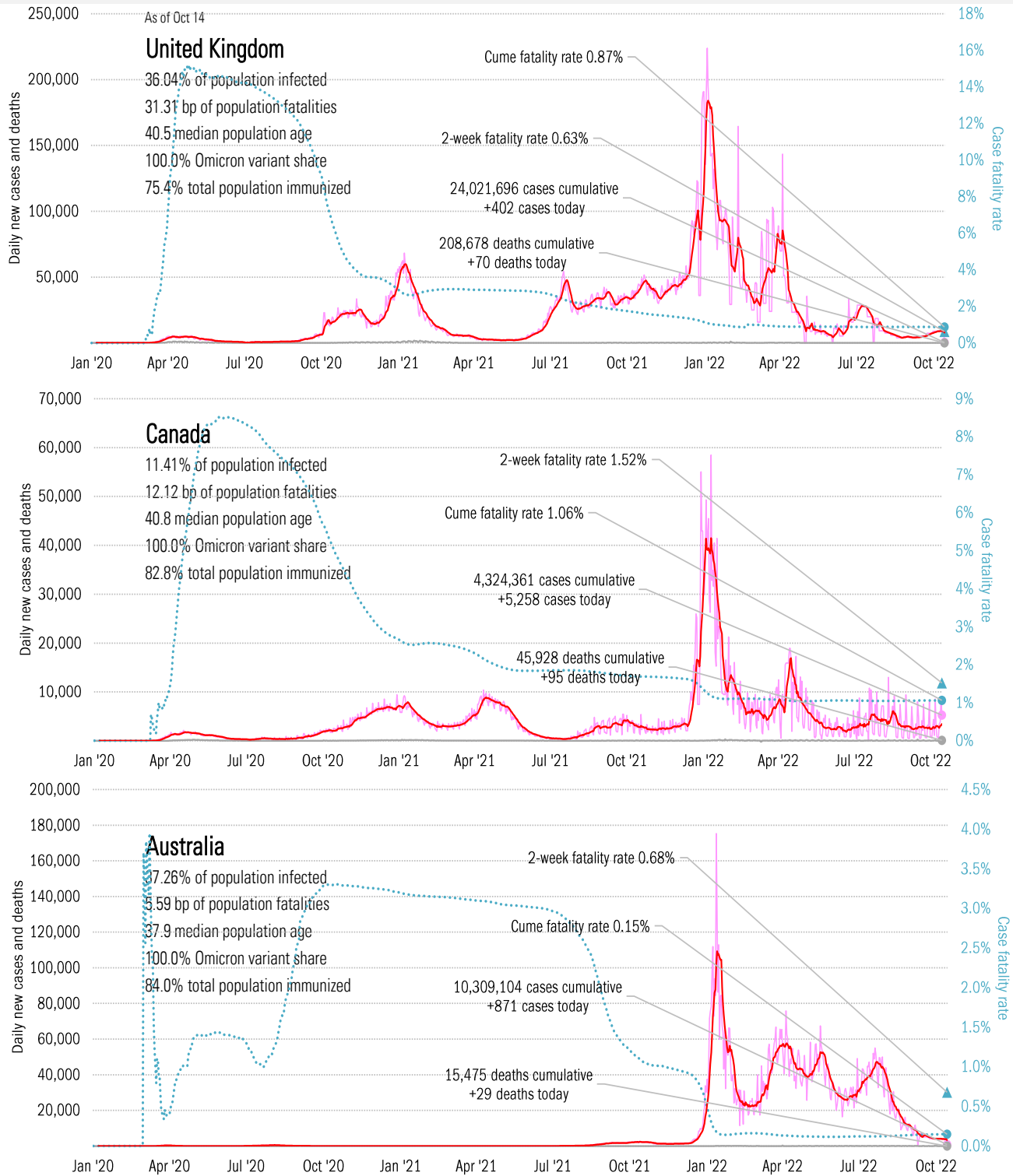
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

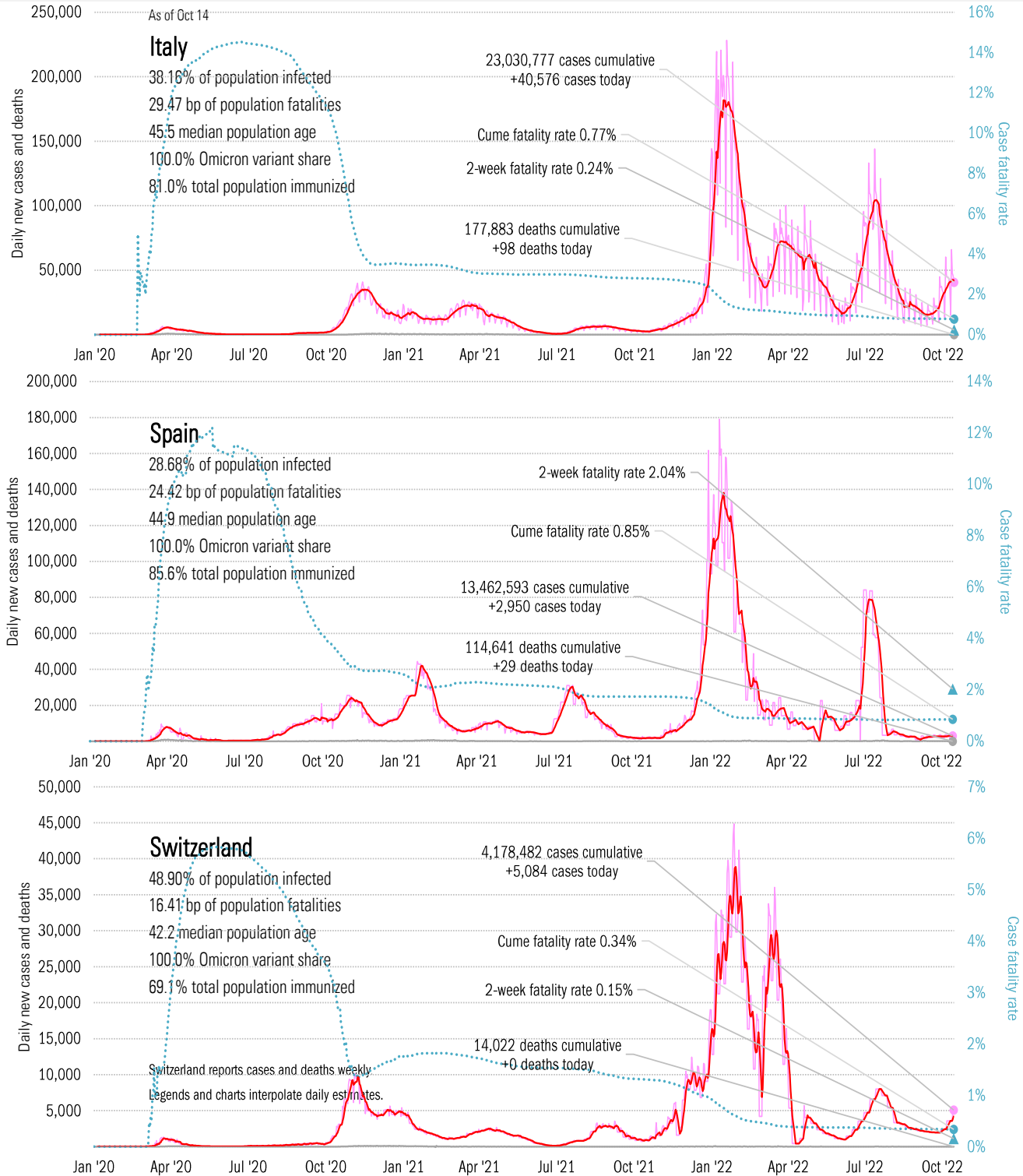
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

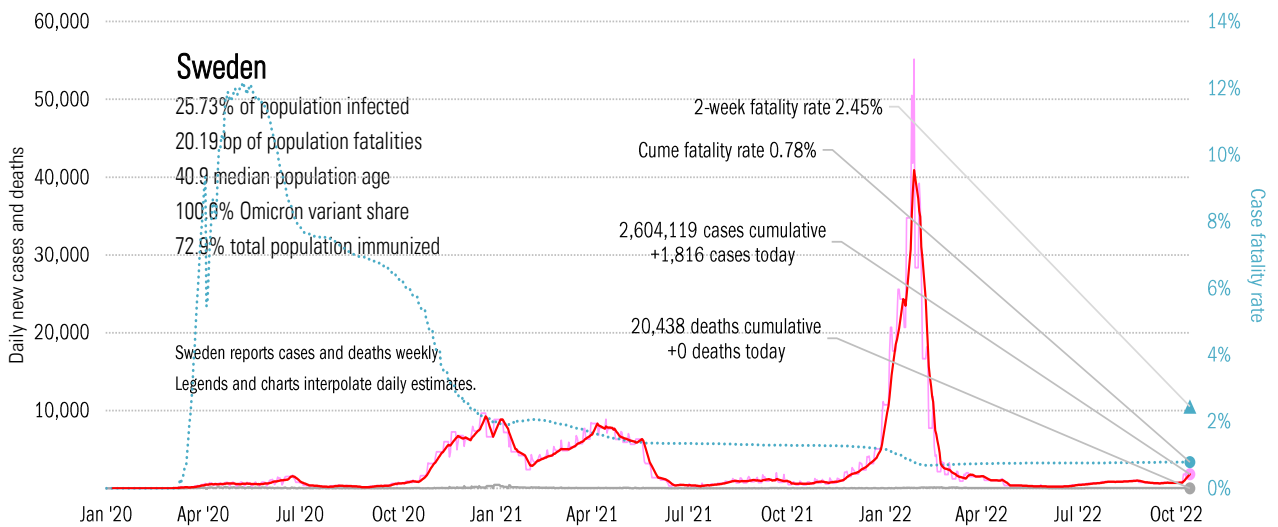
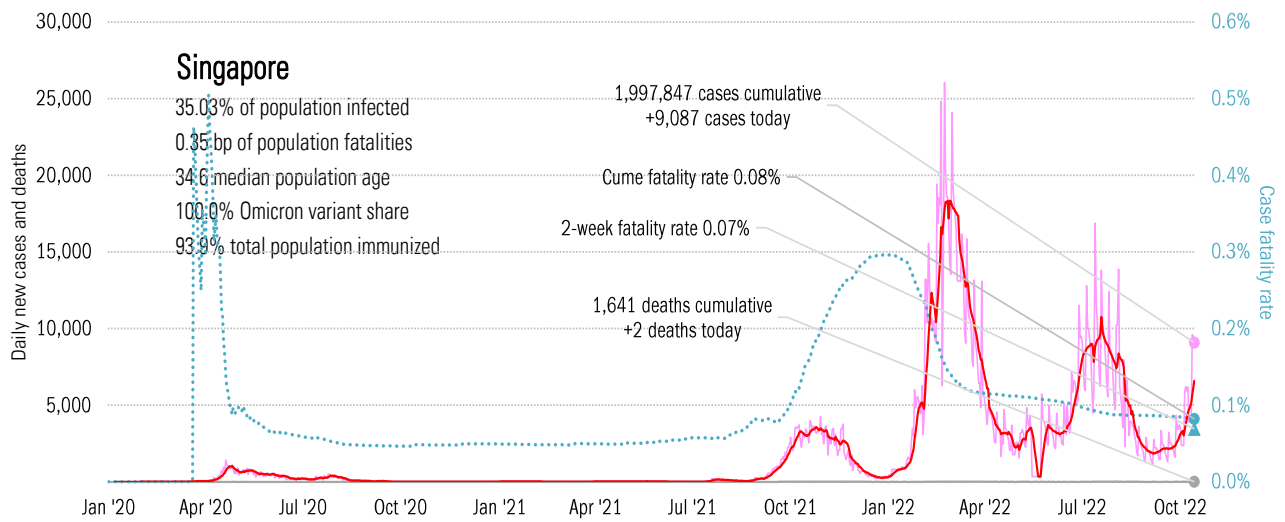
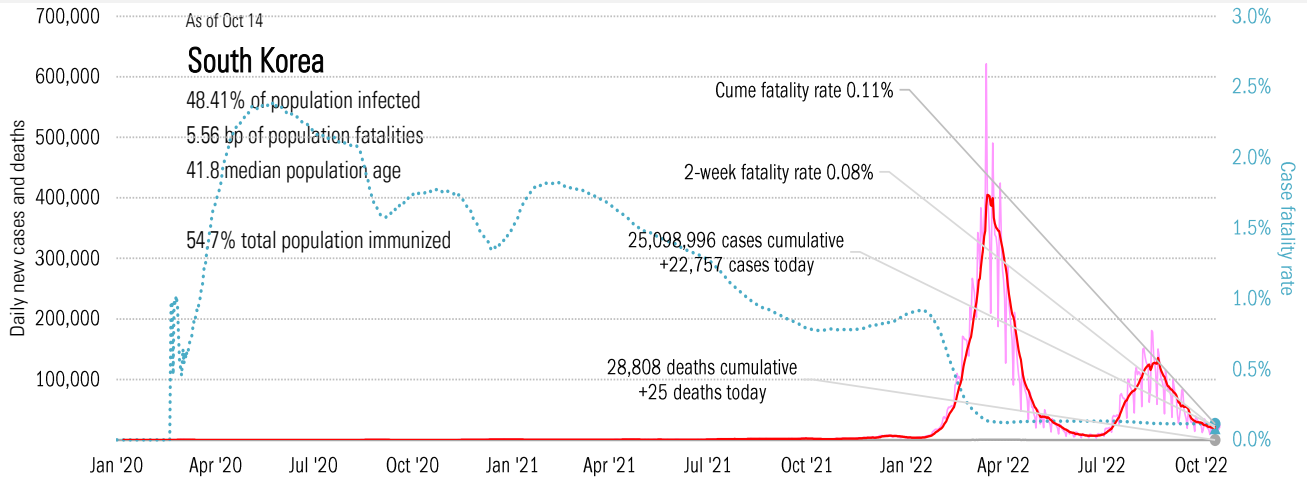
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

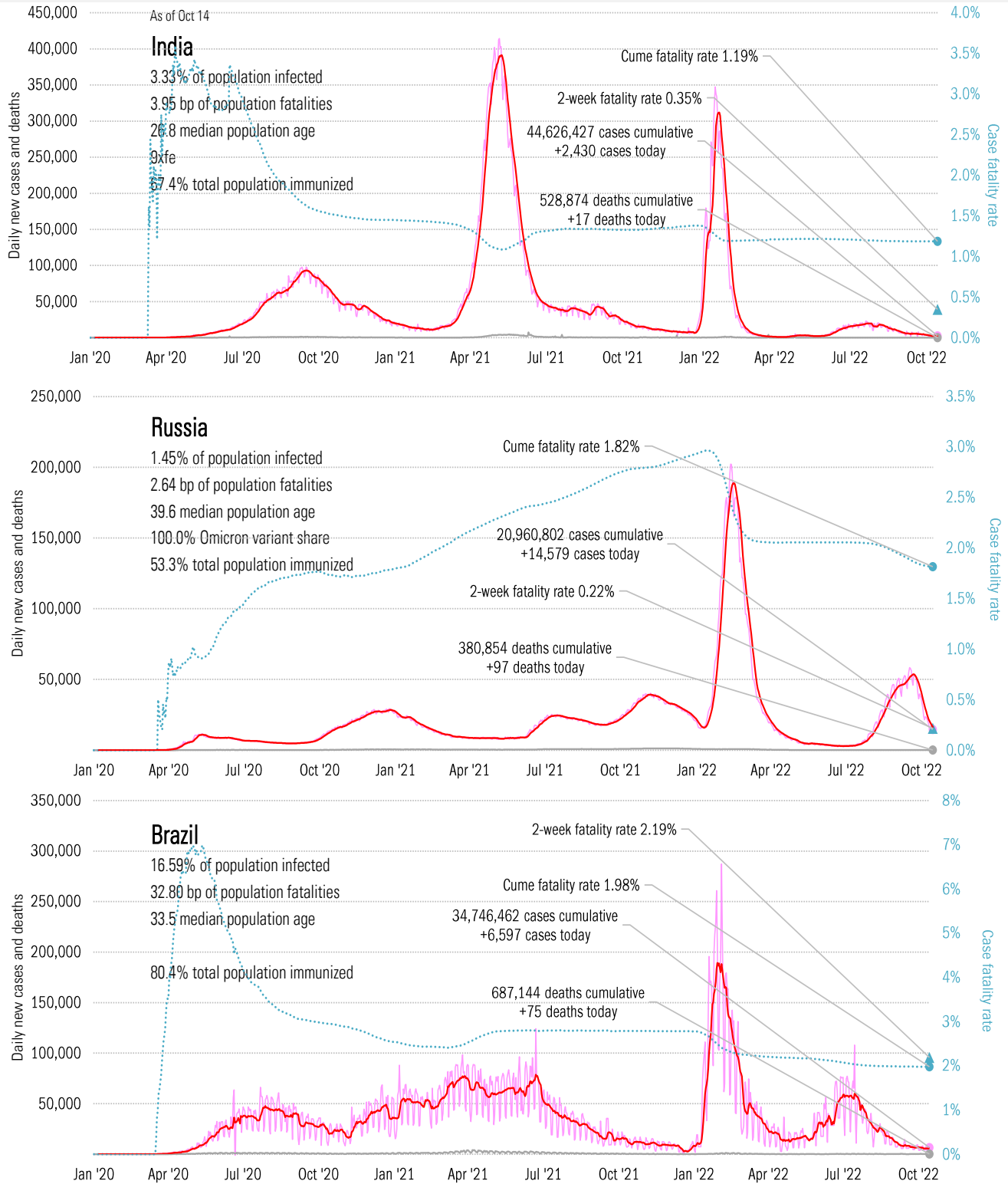
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

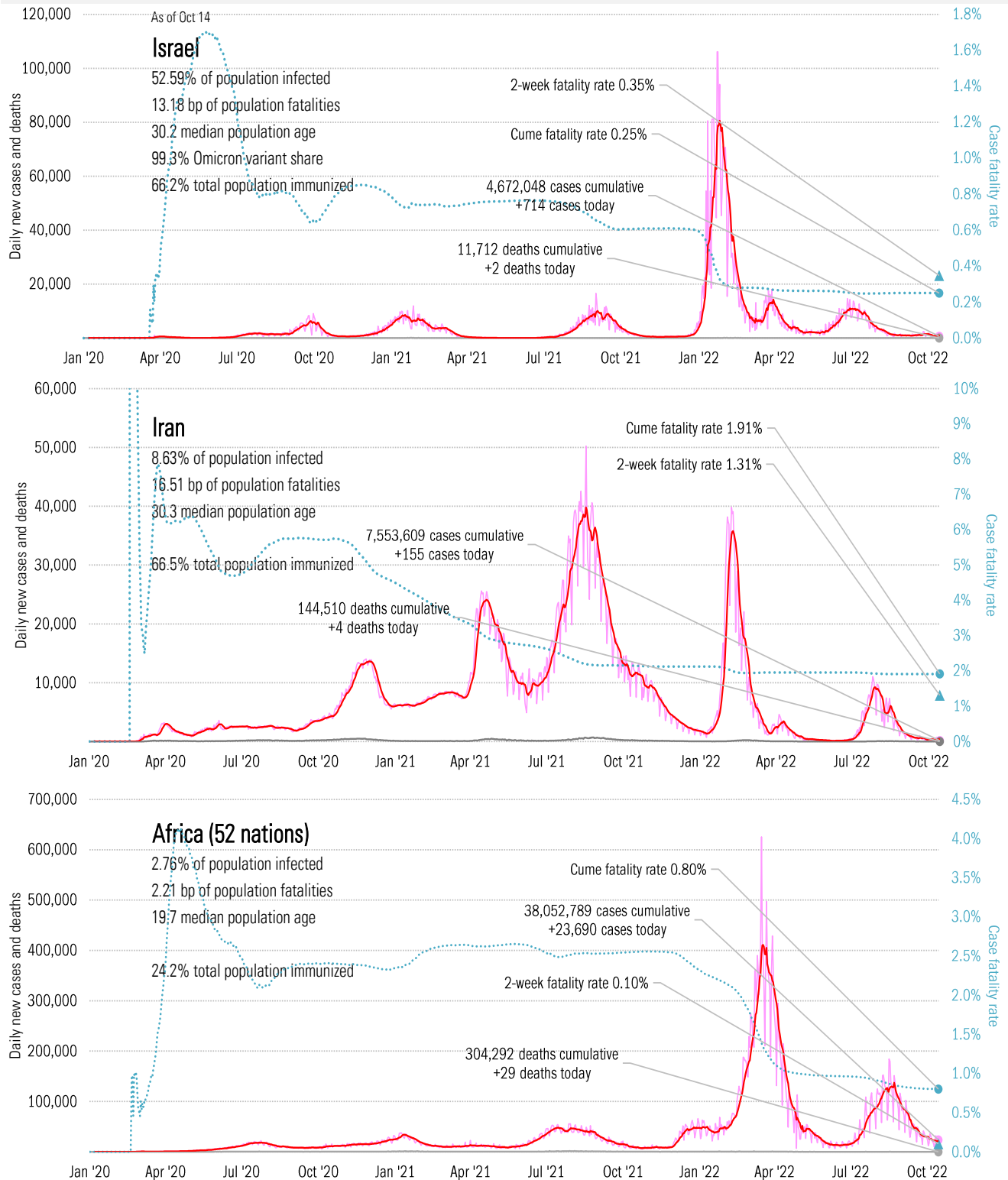
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

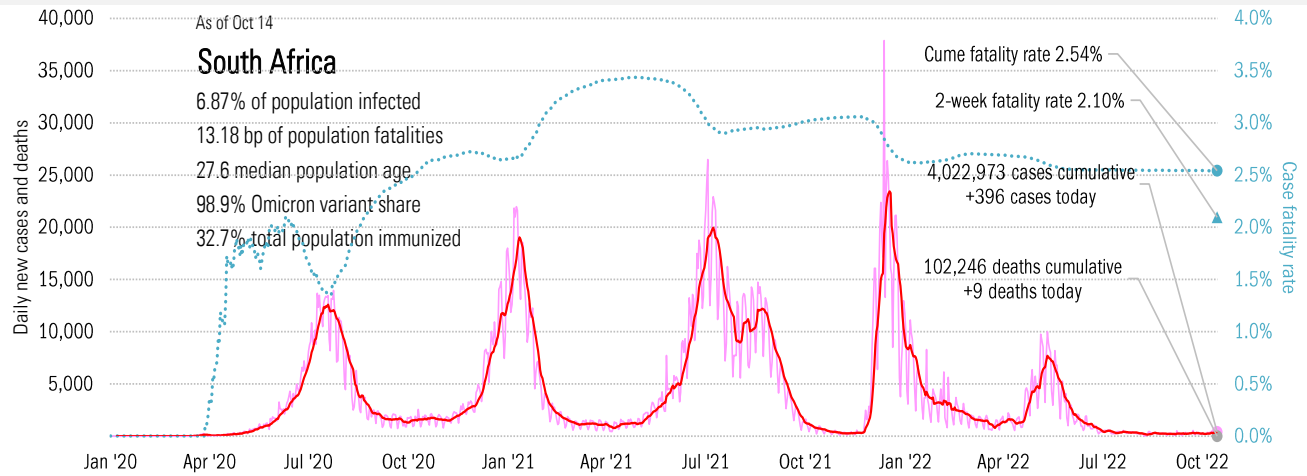
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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