

Data Insights: Covid-2019 Monitor

Wednesday, October 26, 2022

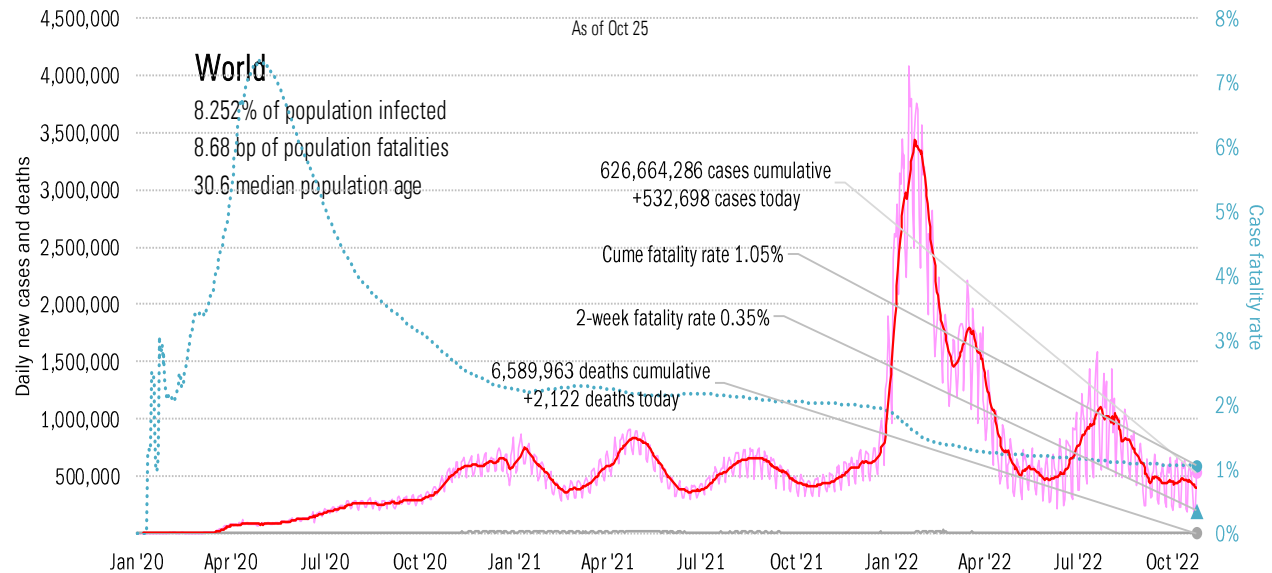
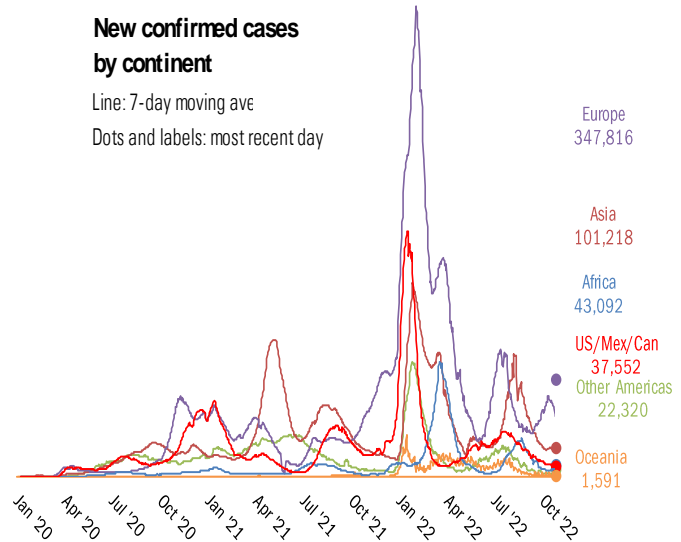
The global scorecard

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

The worst ten countries

New cases		New Deaths	
Germany	94,787	United States	397
France	59,708	Germany	242
Greece	53,219	Ukraine	190
Italy	48,713	Greece	148
Japan	47,706	Brazil	136
United States	41,478	France	131
Korea, South	40,805	Italy	120
Taiwan*	39,152	Russia	83
Switzerland	30,311	Portugal	75
Ukraine	16,975	Taiwan*	42
472,854		1,564	
World	532,698	World	2,122
Top ten	89%	Top ten	74%

New confirmed cases by continent



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

For more information contact us:

Donald Luskin: 214 550 2121 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

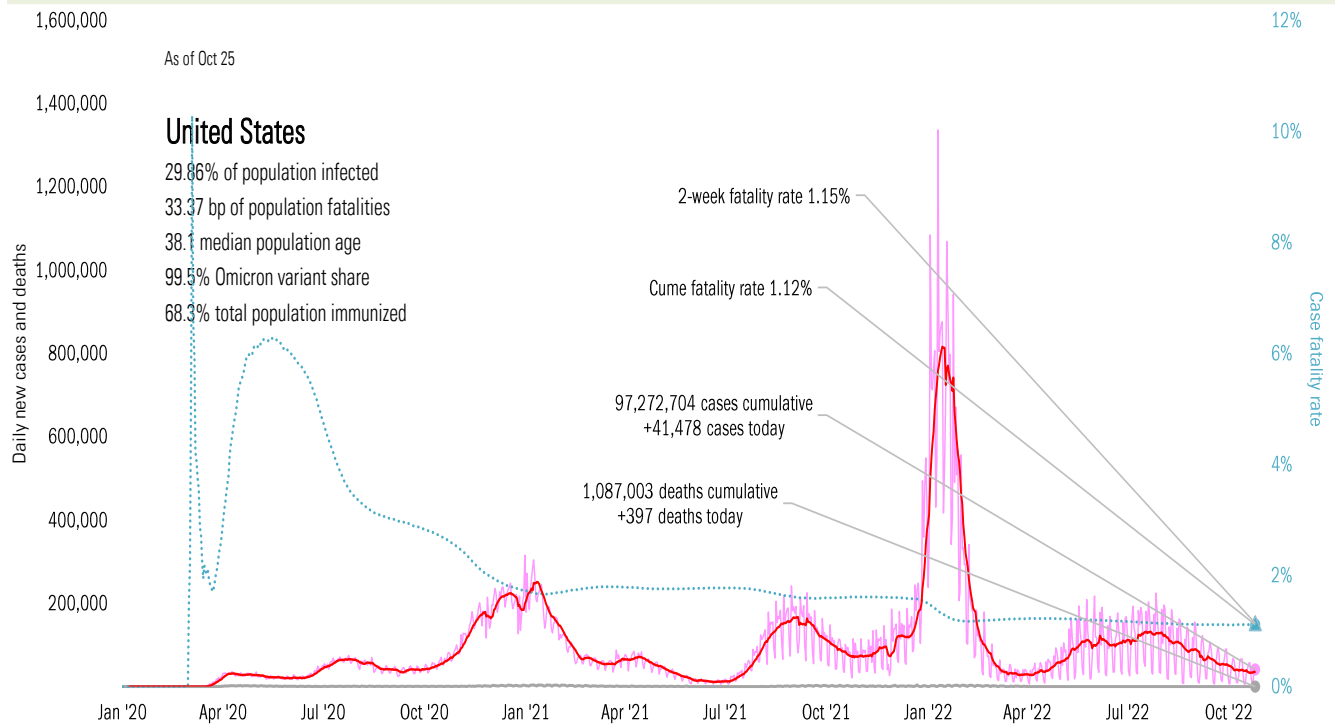
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use									
NJ	4,101		NY	64		NY	391		CA	11,347,168		CA	96,727		TX	549,983		RI	90%	DC	87%								
NY	3,618		IN	47		CO	52		TX	8,028,424		TX	91,113		CA	506,290		MA	86%	AK	85%								
SC	3,083		MI	23		IN	62		FL	7,193,666		FL	82,322		FL	497,970		MN	84%	TX	83%								
FL	2,865		FL	22		IA	34		NY	6,224,934		NY	72,683		NY	308,396		WA	82%	NH	83%								
IL	1,944		PA	20		SC	35		IL	3,802,261		PA	47,582		GA	227,461		MO	82%	RI	83%								
MI	1,738		VA	20		NM	20		PA	3,293,037		GA	40,552		CH	221,920		GA	82%	MA	83%								
CH	1,585		GA	15		FR	22		NC	3,220,858		CH	40,111		PA	208,140		MD	81%	AL	81%								
PA	1,448		AR	13		TN	56		CH	3,173,375		IL	39,930		IL	190,107		NY	80%	GA	80%								
NC	1,432		WI	13		WV	23		GA	2,917,301		MI	39,250		MI	165,910		AK	80%	NC	79%								
MD	1,401		IL	12		AR	20		MI	2,886,176		NJ	34,864		KY	146,200		MI	79%	NM	78%								
23,225			248			715			52,087,200			585,134			3,022,377														
All states			41,478			397			2,982			All states			97,272,704			1,087,003			5,485,843			All states		70%		67%	
Top ten			56%			62%			24%			Top ten			54%			55%			55%			Median		75%		72%	

Some states not reporting

Five most improved US states

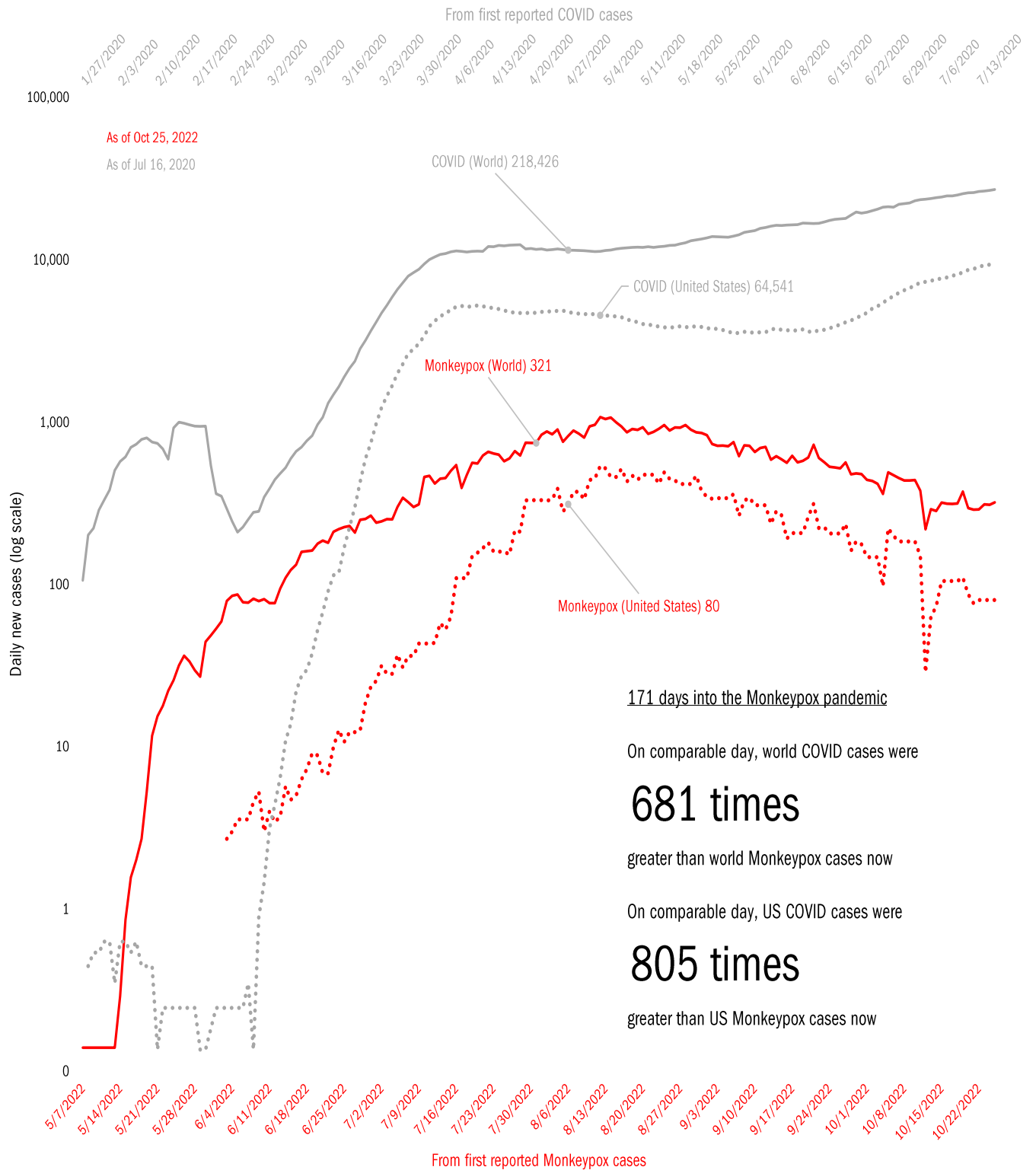
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-3,024	TX	-24	MA	-53
TX	-2,753	MT	-3	MI	-47
WA	-1,302	VT	-2	TX	-44
MO	-401	FL	-1	NC	-43
CA	-314	AK	0	NJ	-43



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

The Monkeypox contextualizer

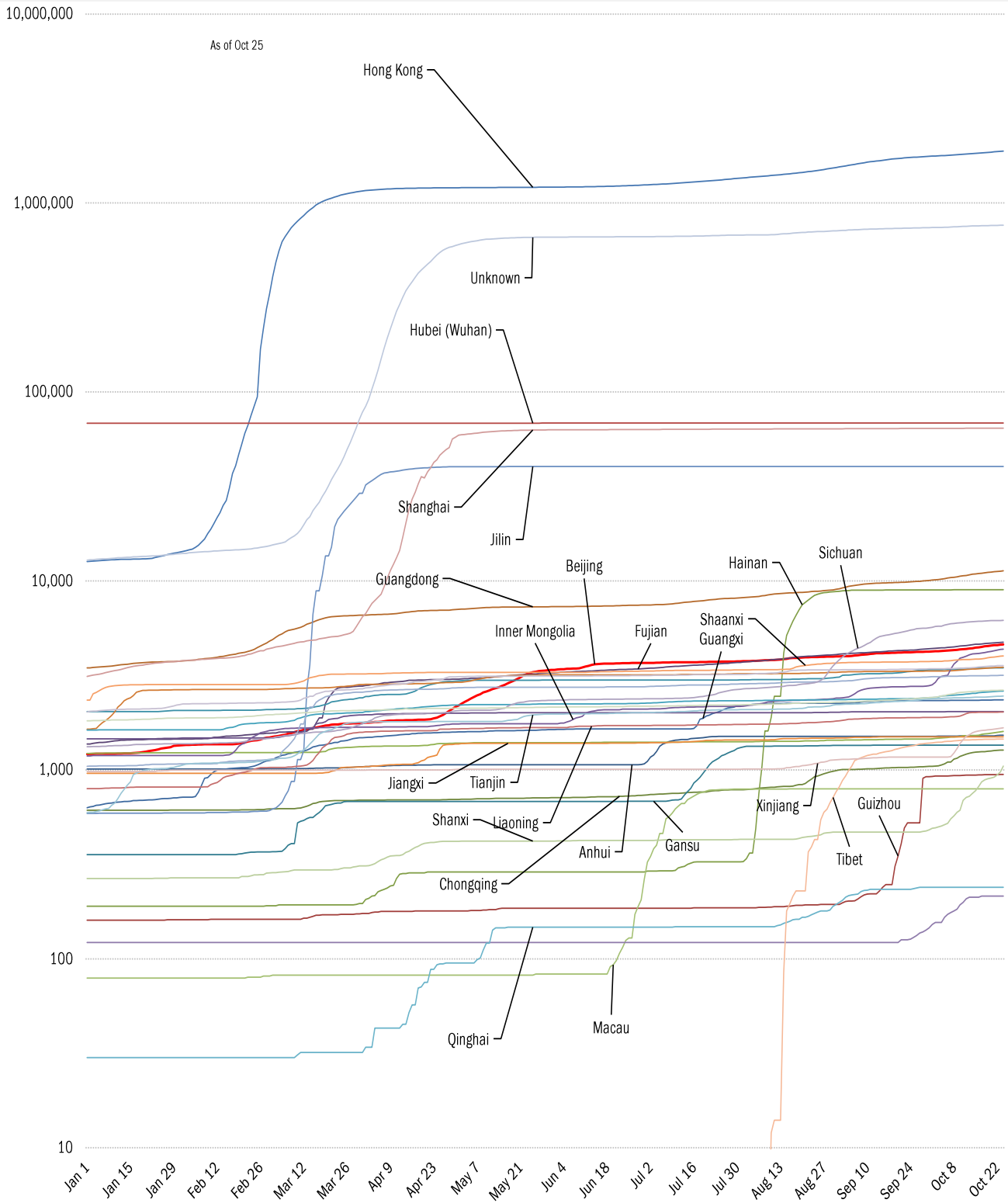
The course of case growth versus COVID



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"

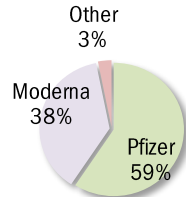


Source: [Johns Hopkins](#), TrendMacro calculations

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%

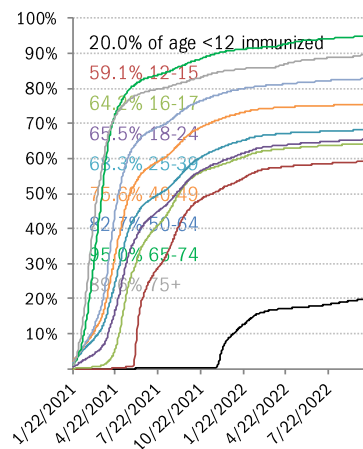
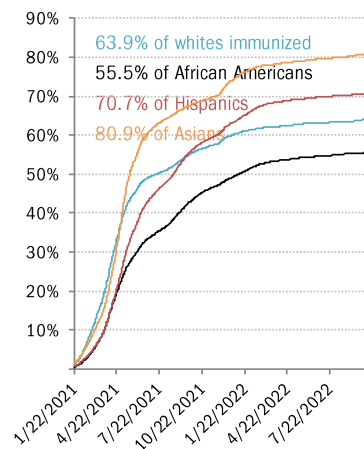
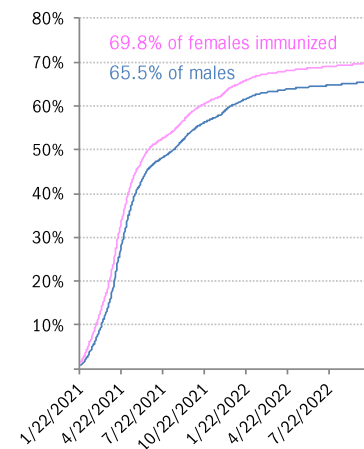
As of Oct 21

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%										

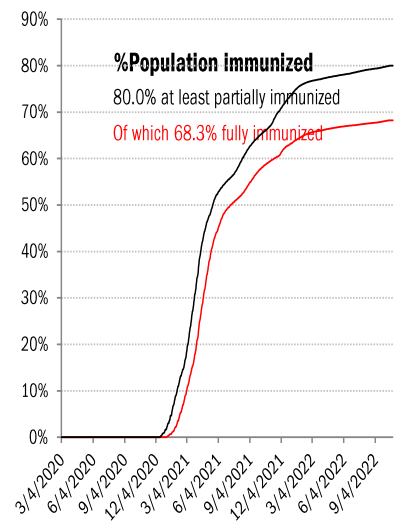
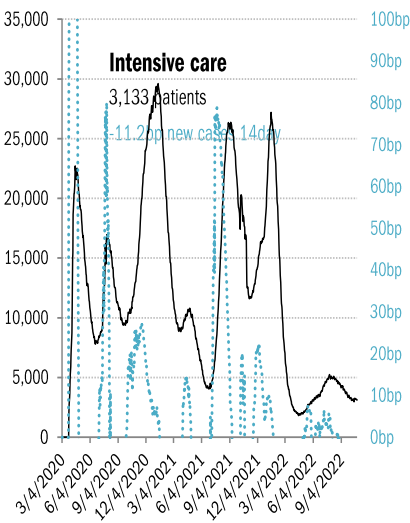
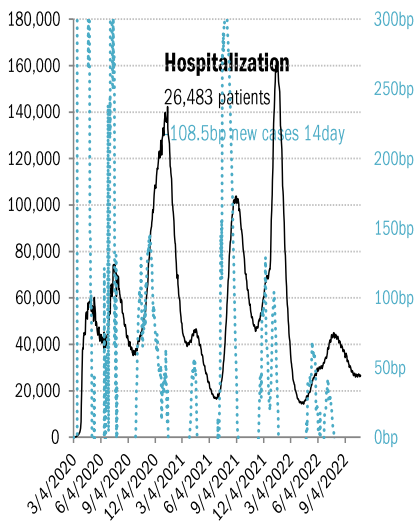
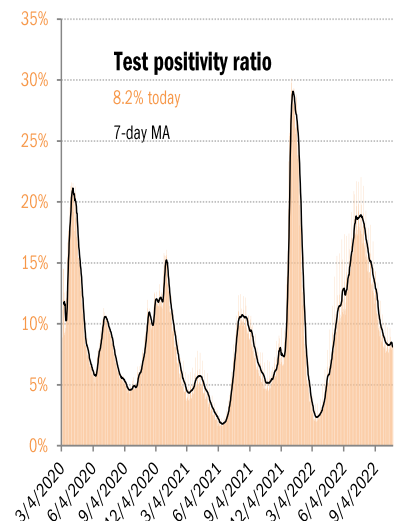
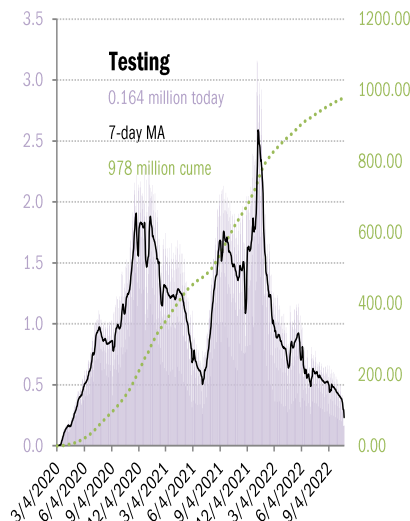
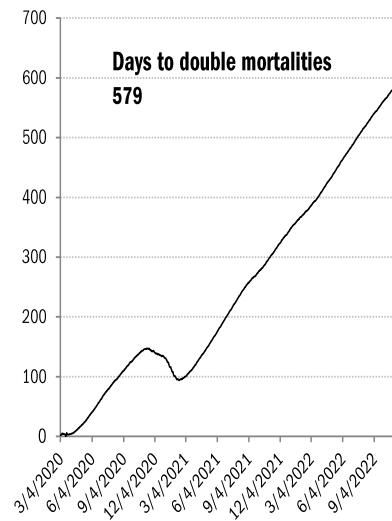
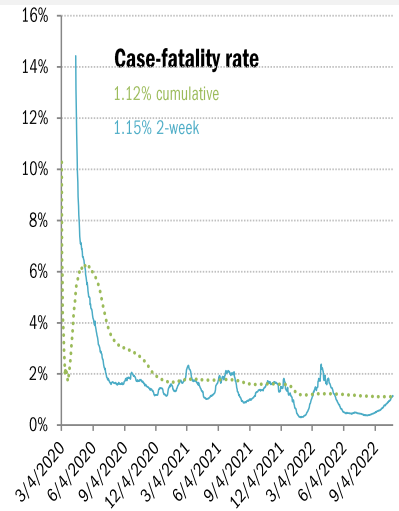
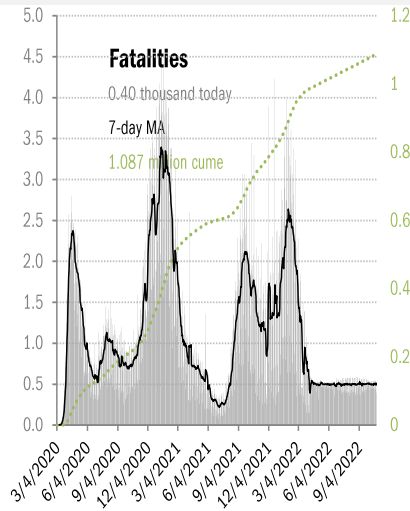
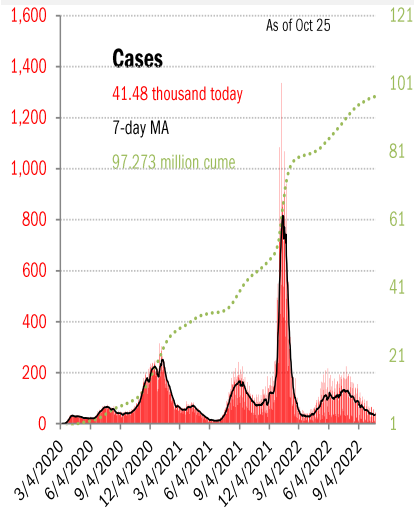
Global data differs due to sources, timing

The demographics of US vaccination

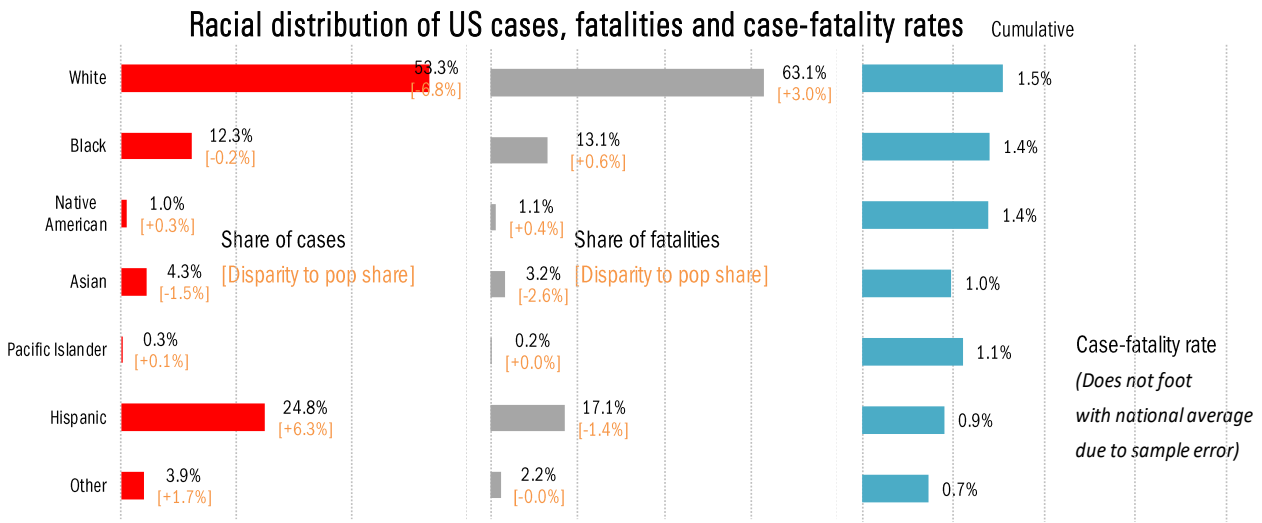
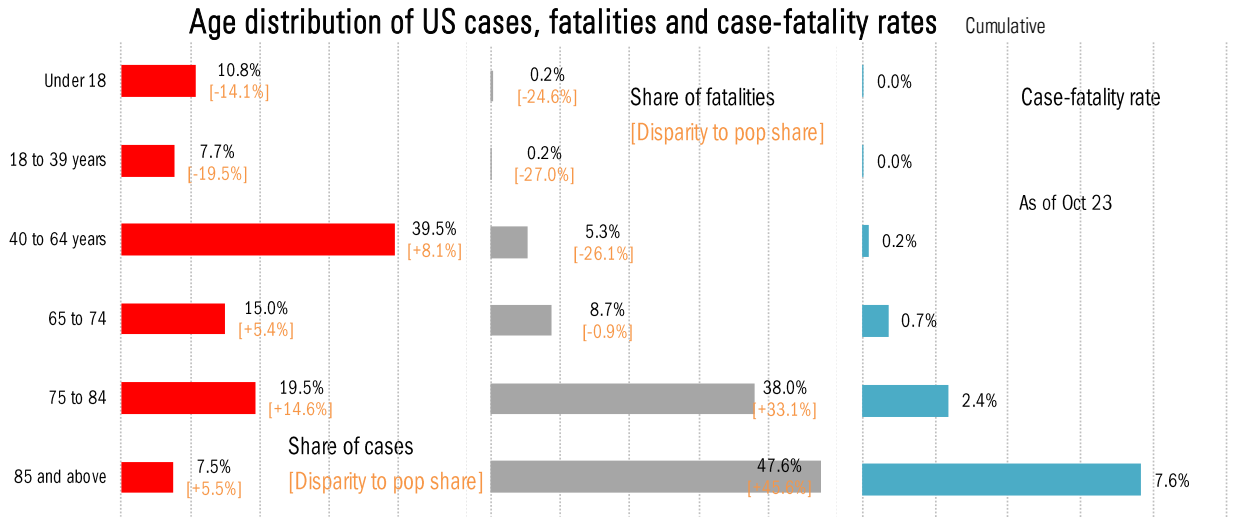


Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

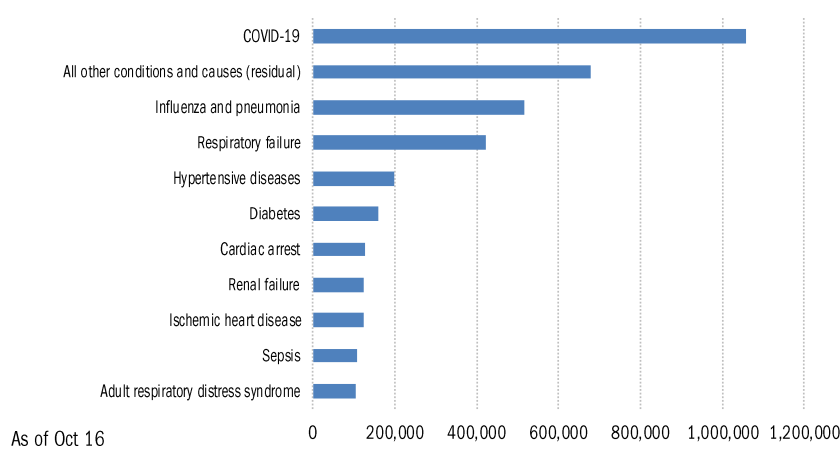


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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 Troubling Trends Pointing to a Severe Flu and RSV Season](#)

Alice Park

Time

October 25, 2022

[Your COVID-19 vaccine records might eventually be destroyed because of Texas law](#)

Ciara McCarthy

Fort Worth Star-Telegram

October 25, 2022

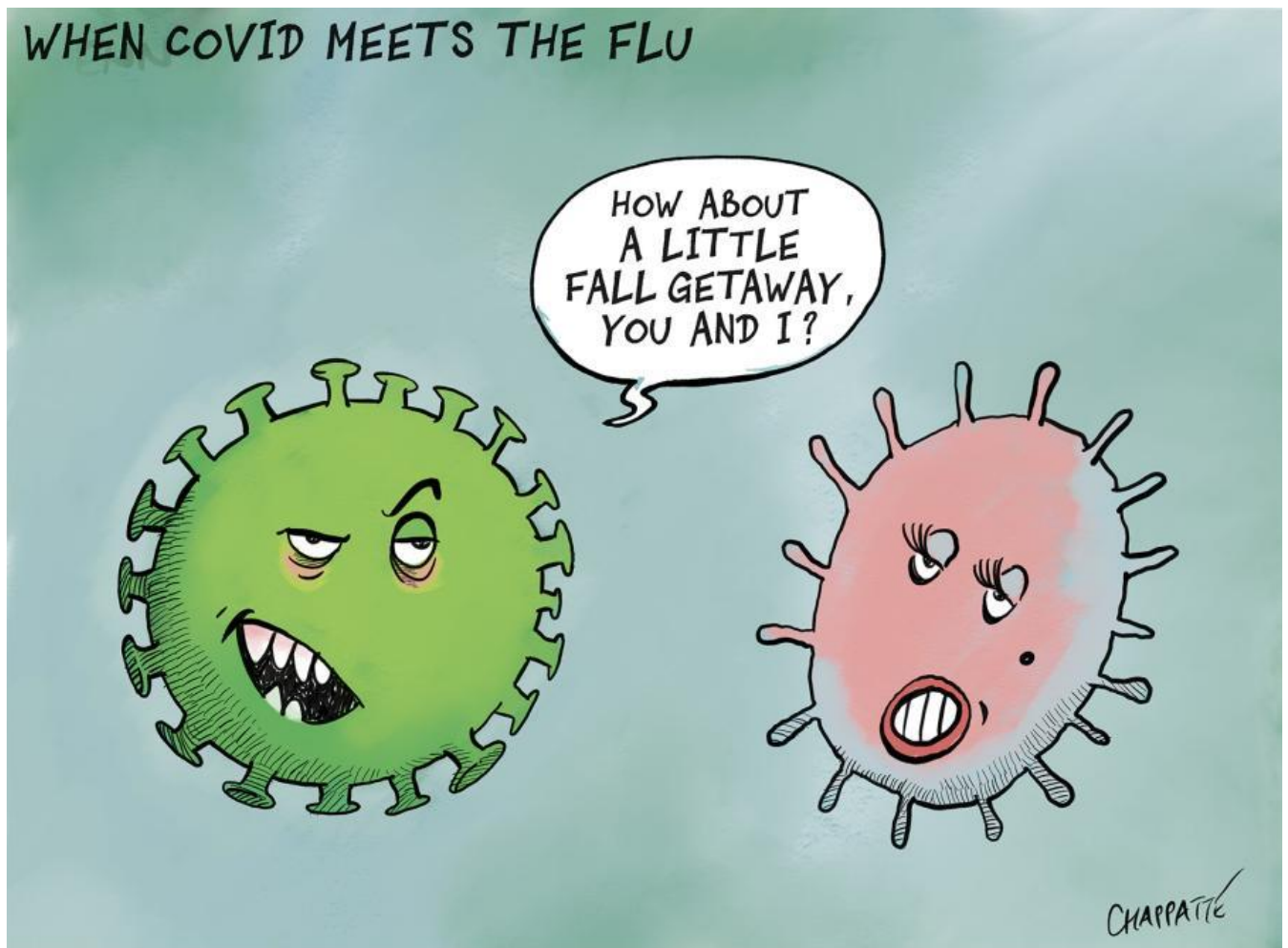
[New York Supreme Court reinstates all employees fired for being unvaccinated, orders backpay](#)

Anders Hagstrom

Fox News

October 25, 2022

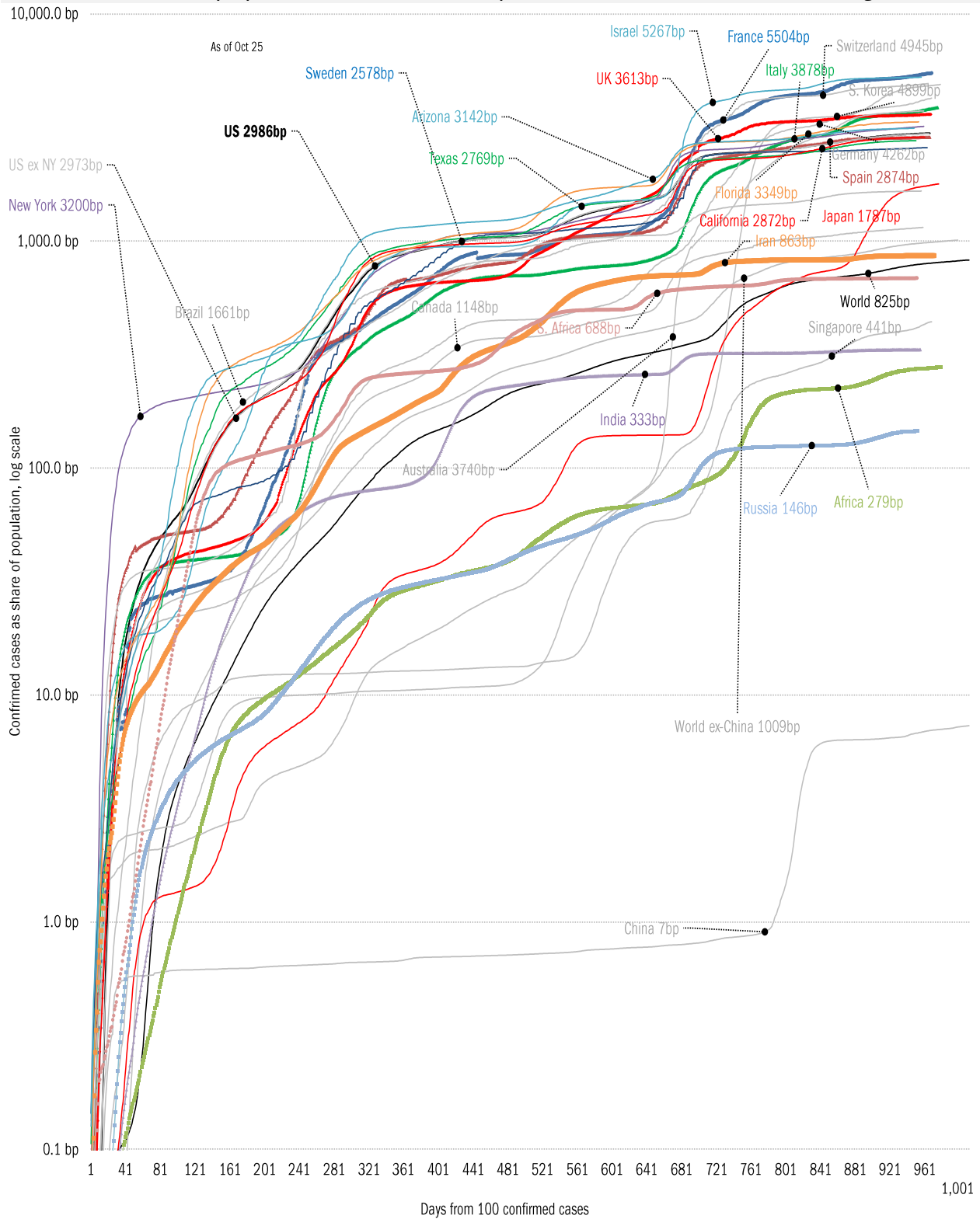
Meme of the day



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

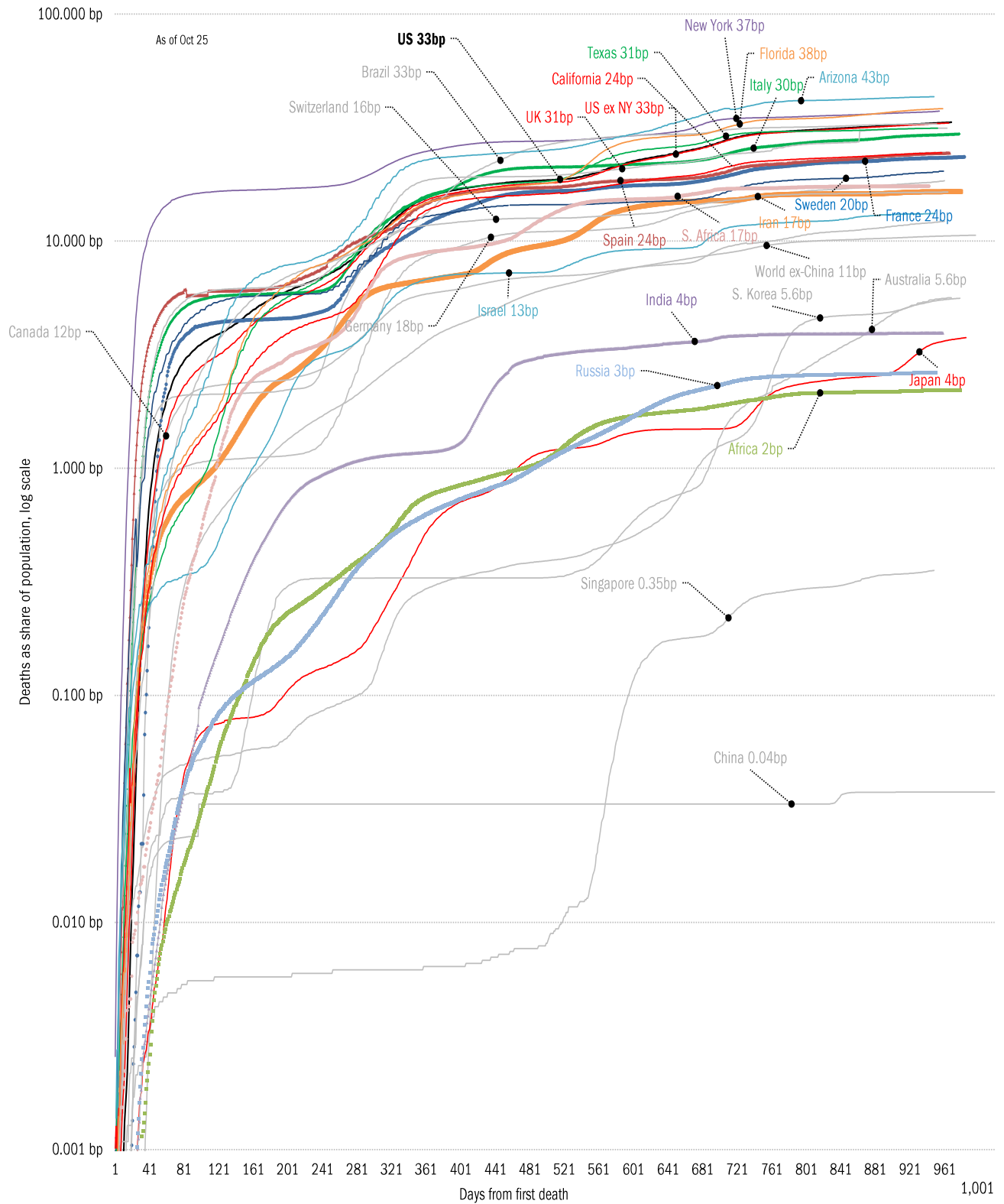
The global coronavirus case accelerometer... tracking the world's infection curves

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

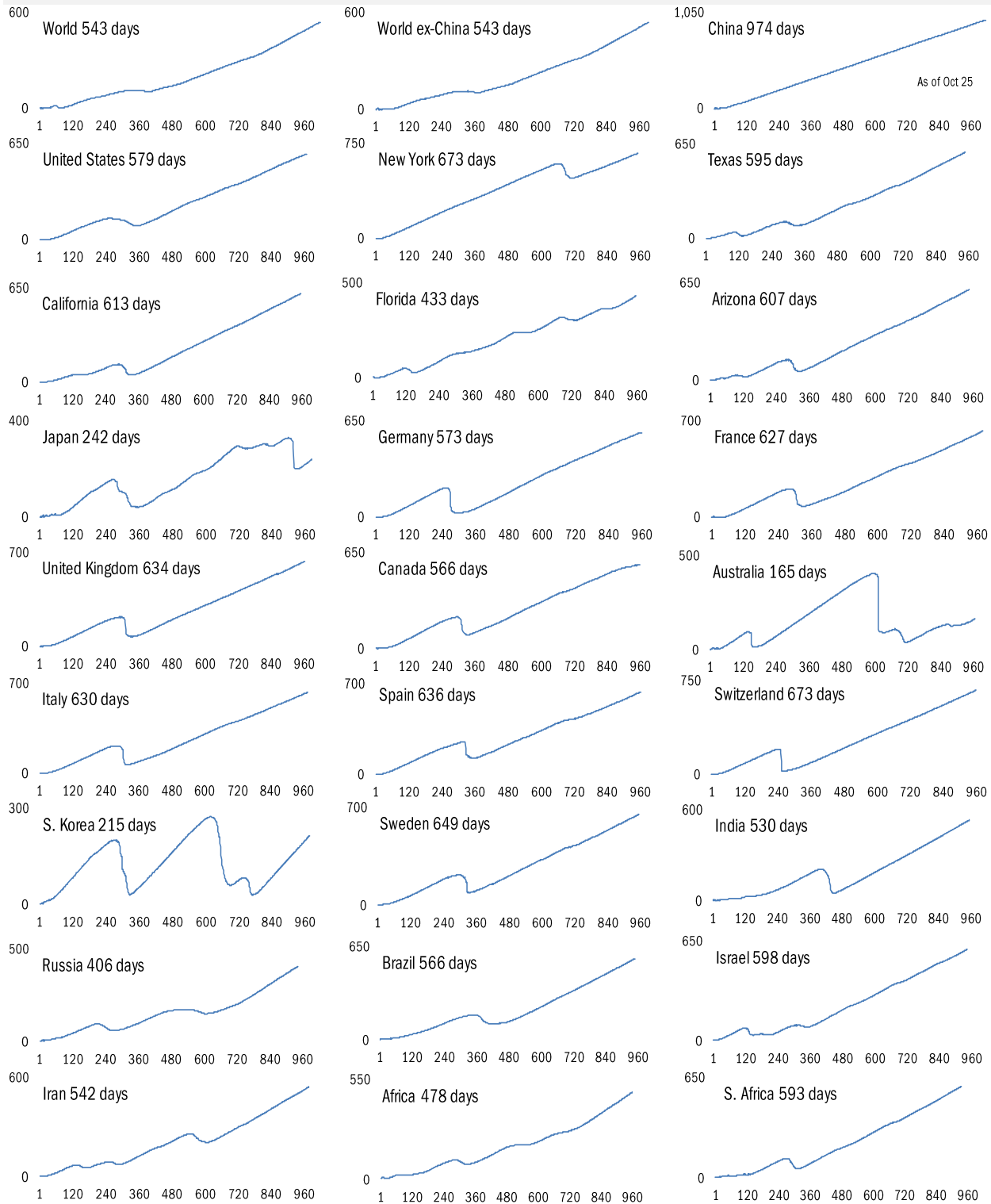


Source: [Johns Hopkins](#), TrendMacro calculations

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

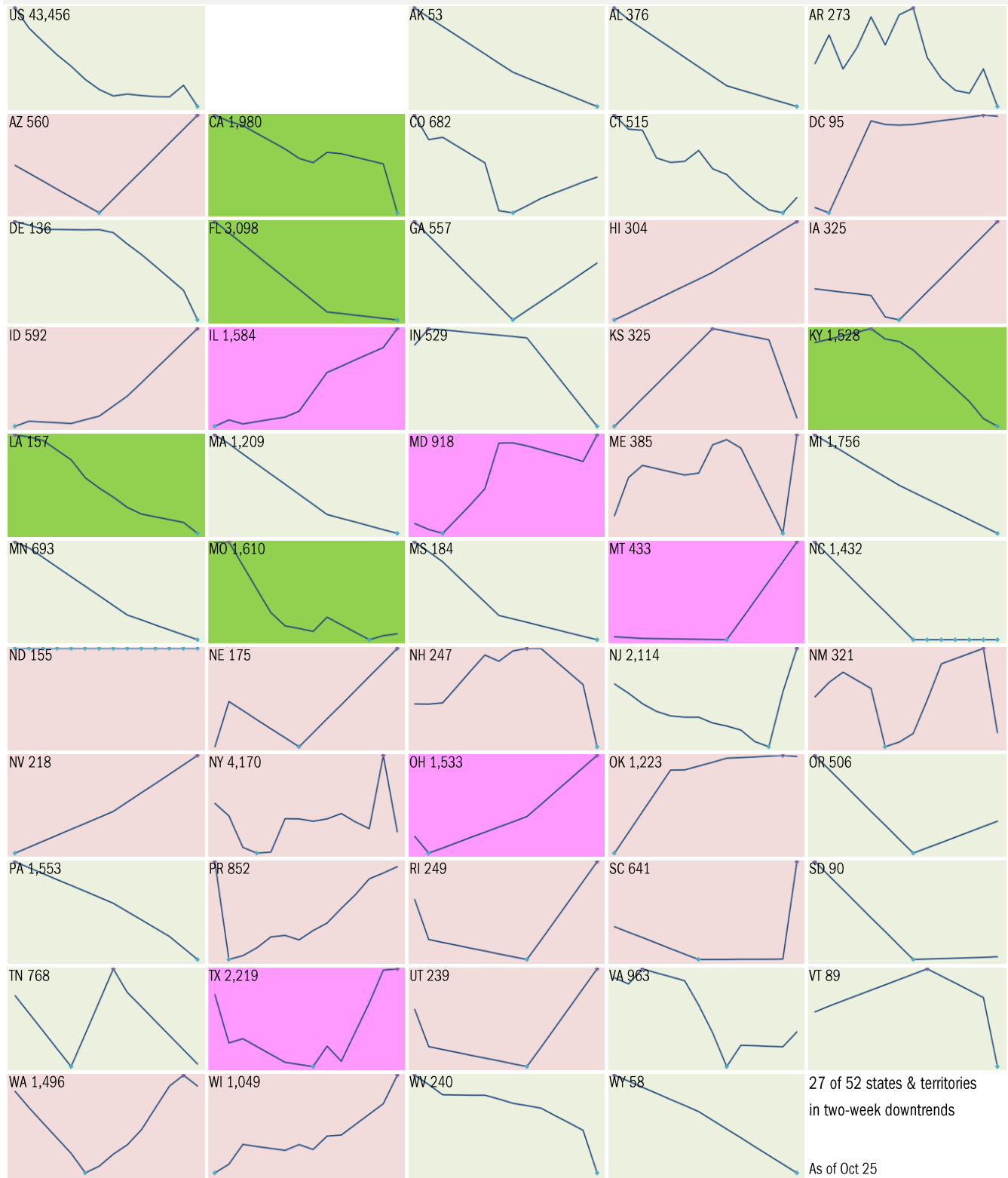


Source: [Johns Hopkins](#), TrendMacro calculations

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

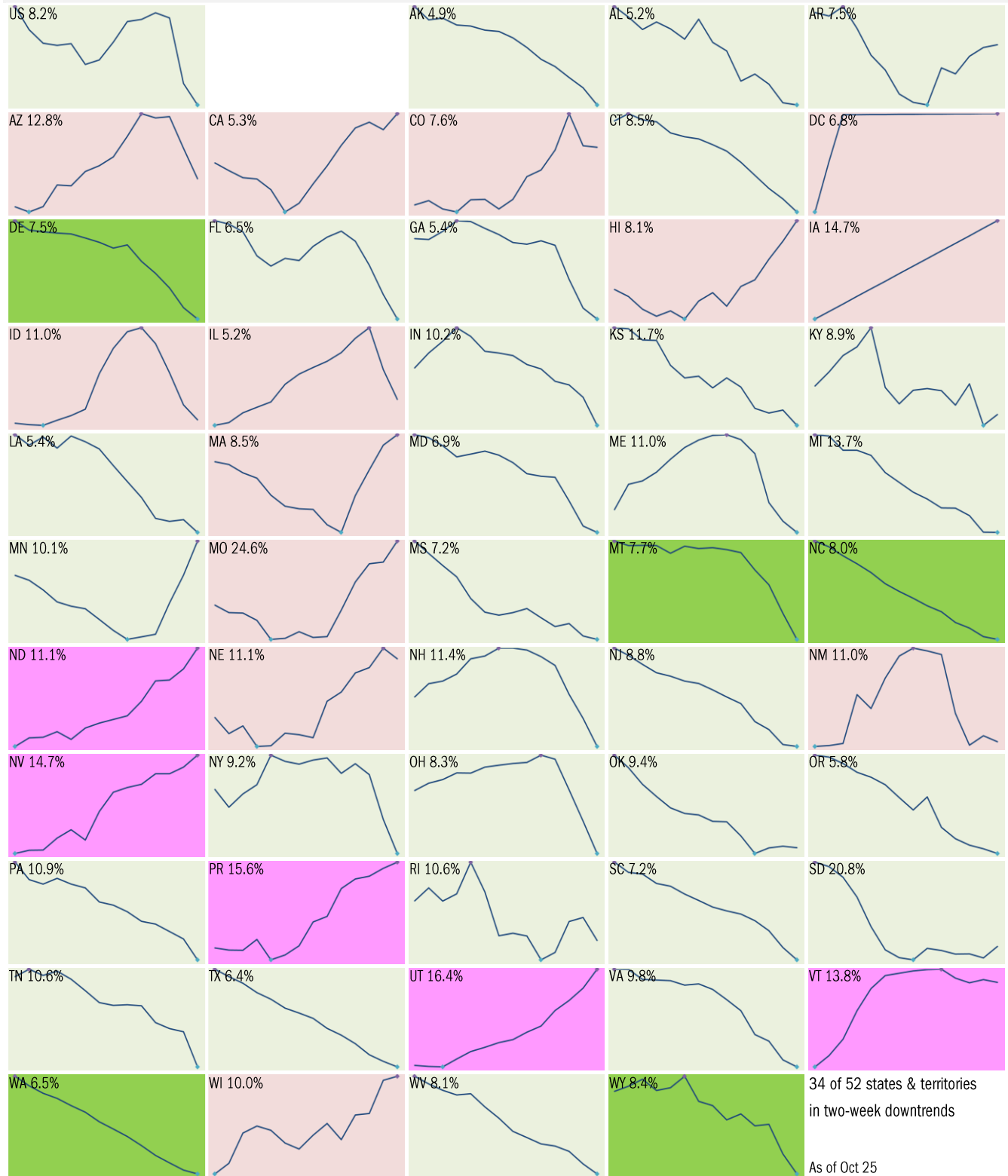


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

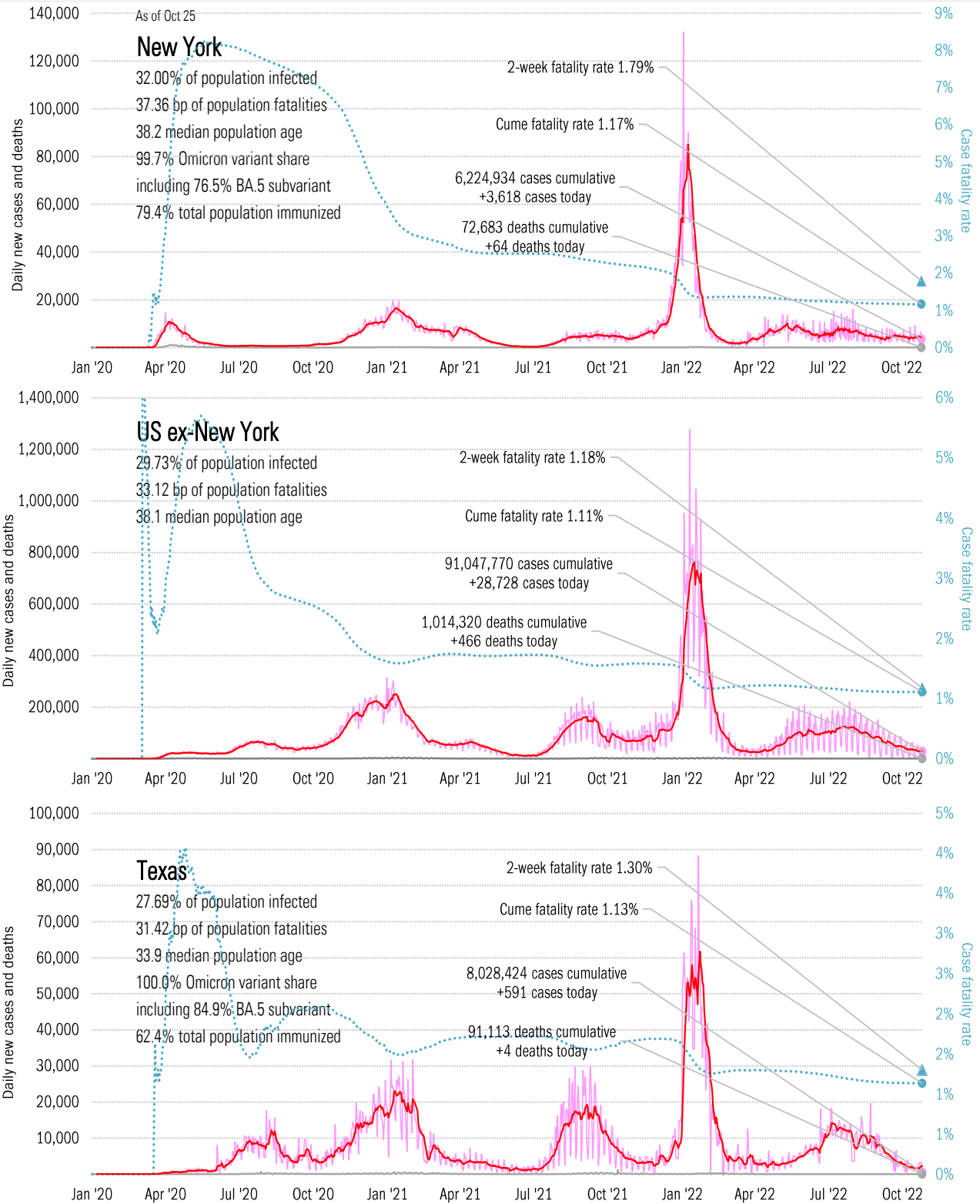
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

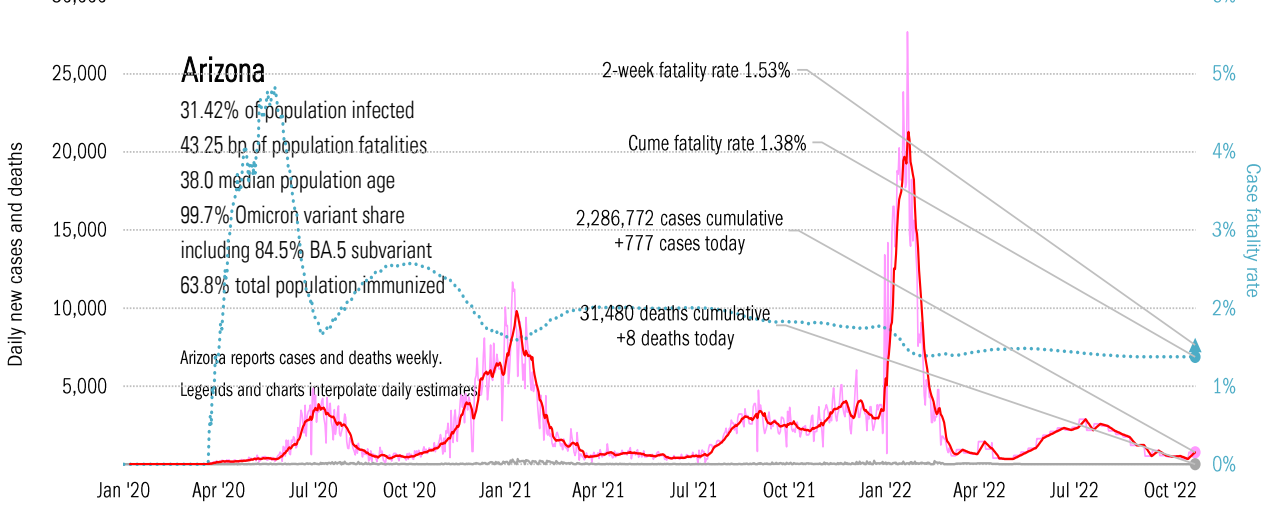
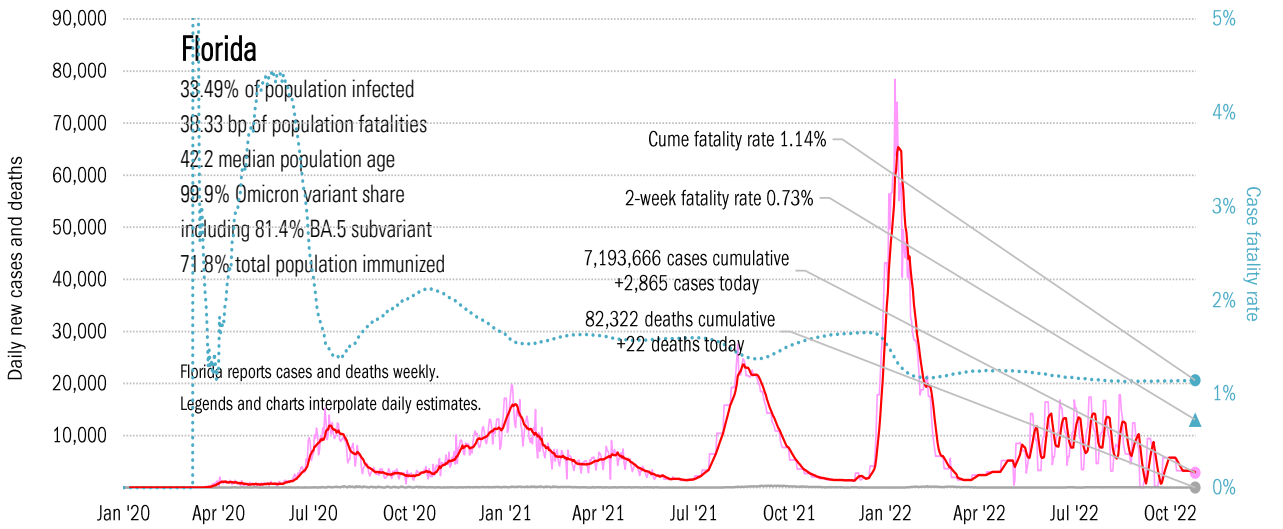
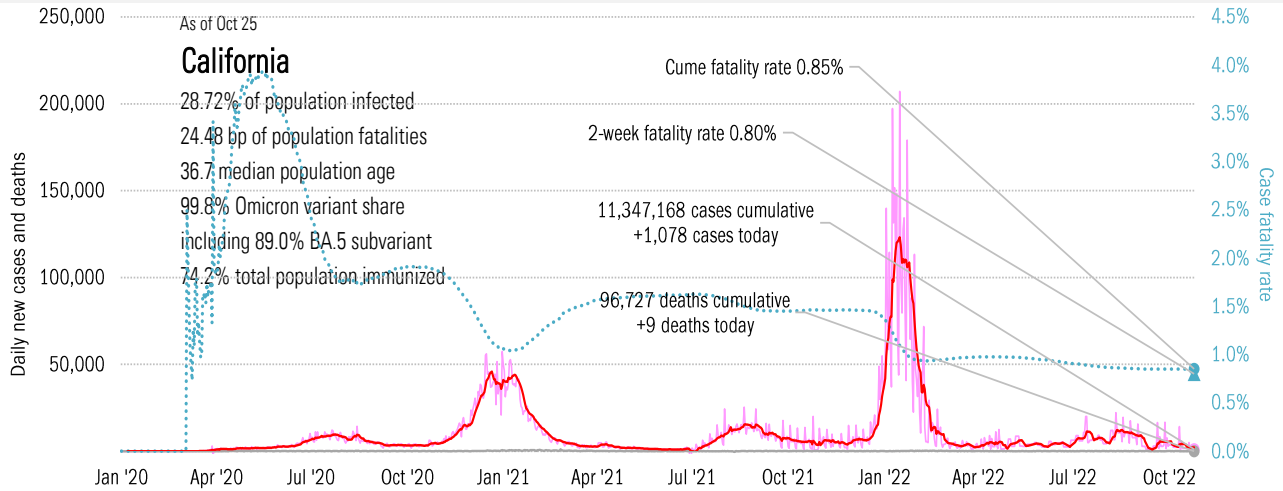
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

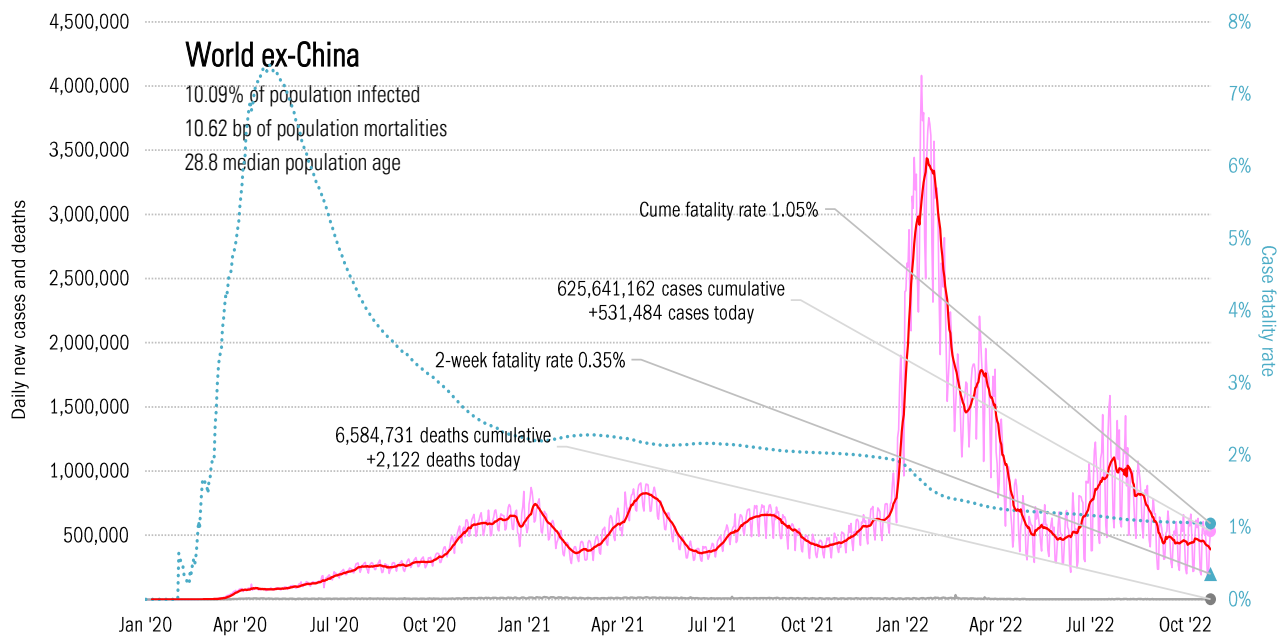
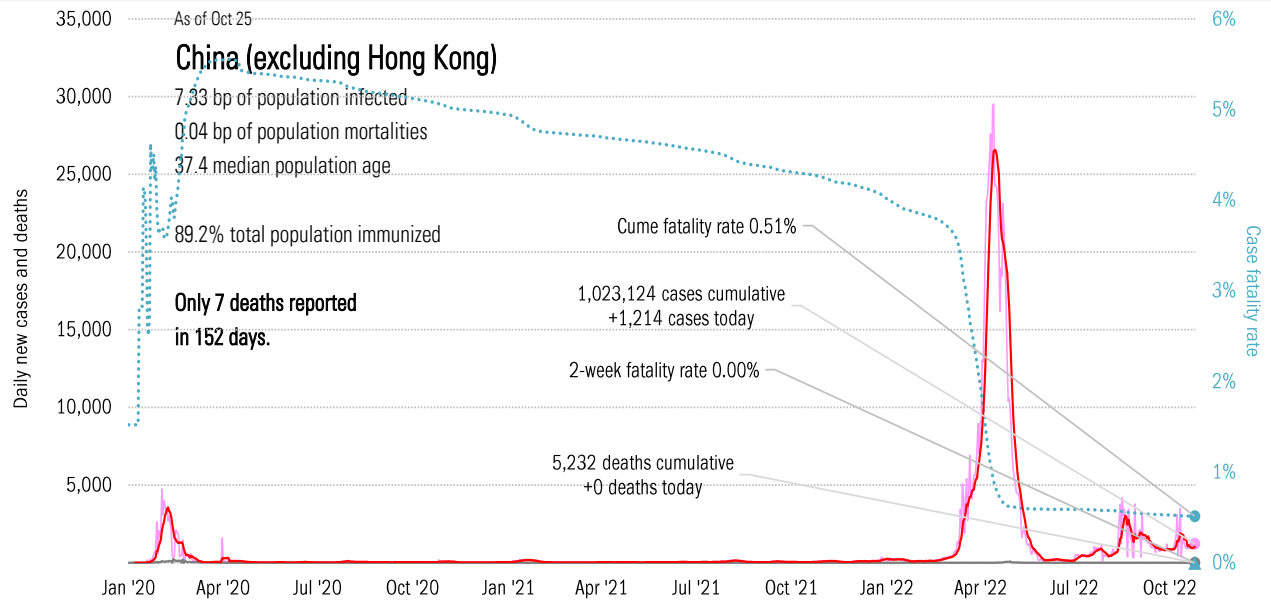
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

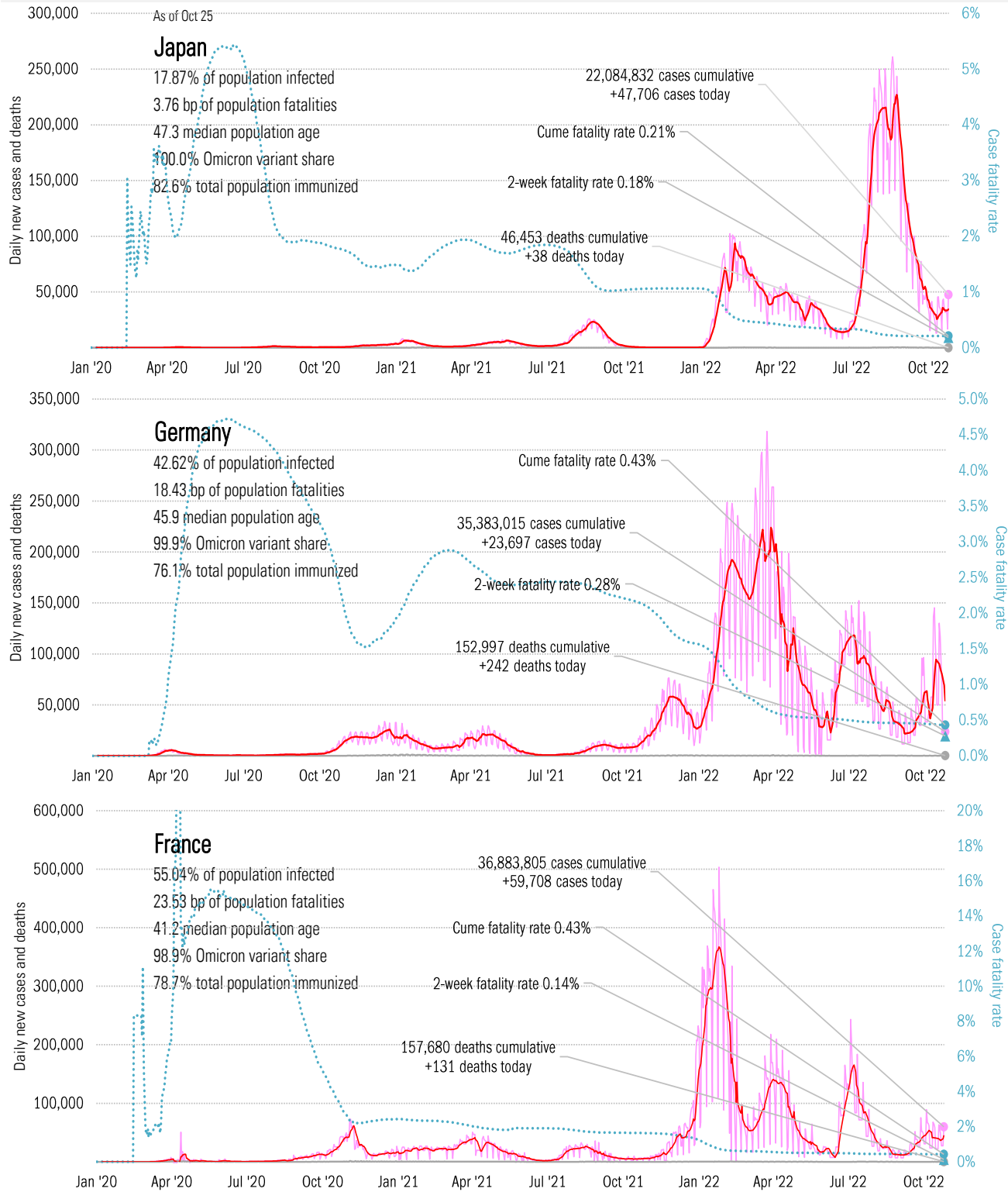
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

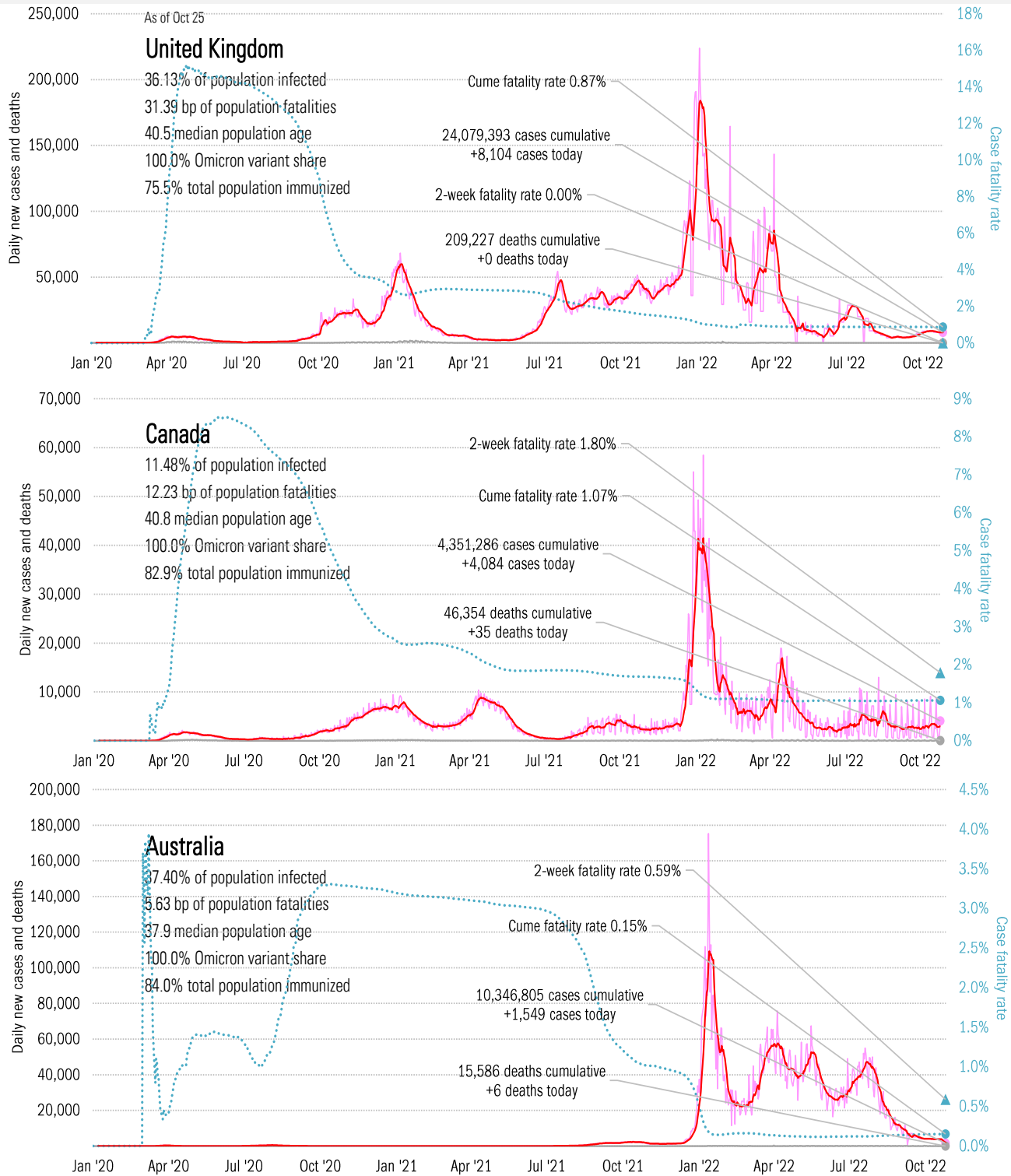
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

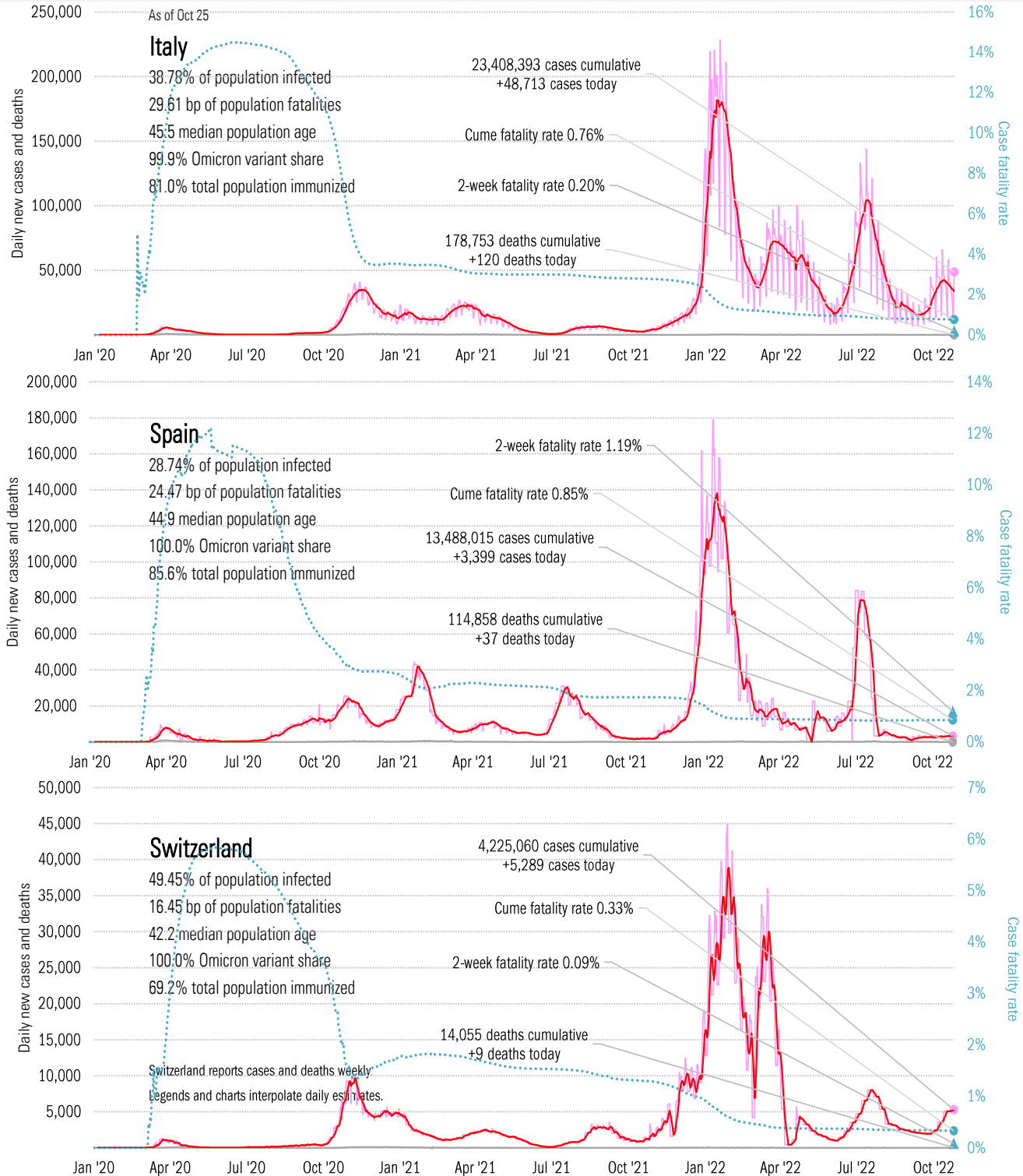
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

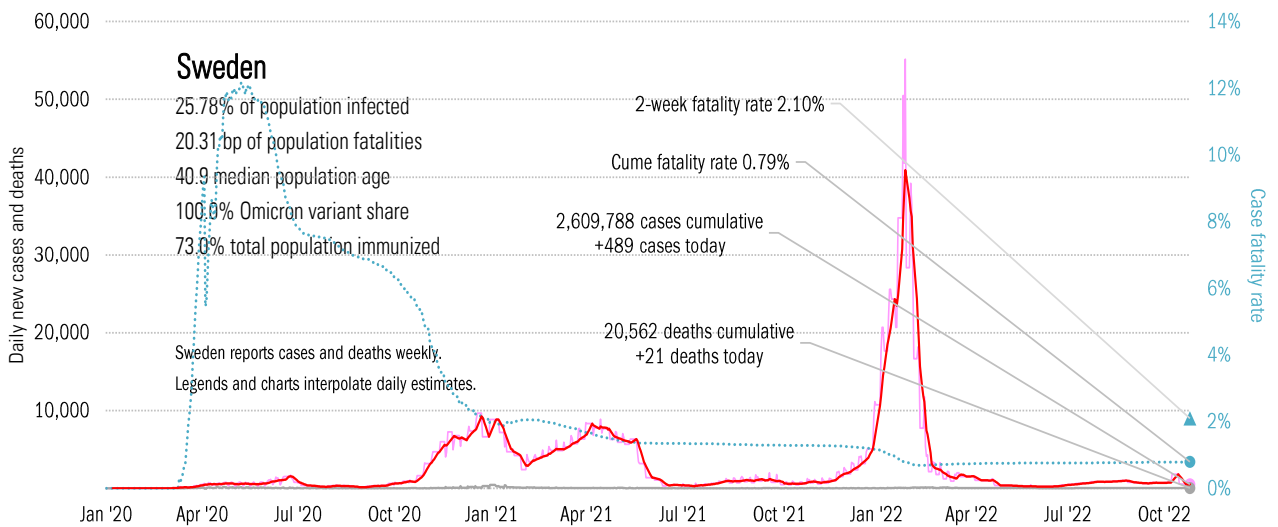
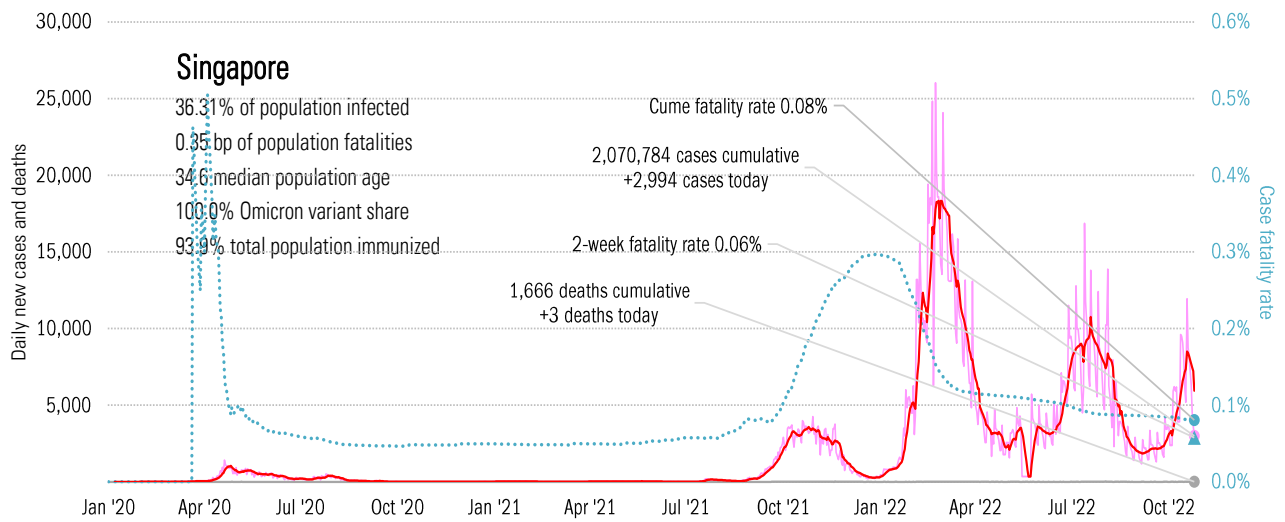
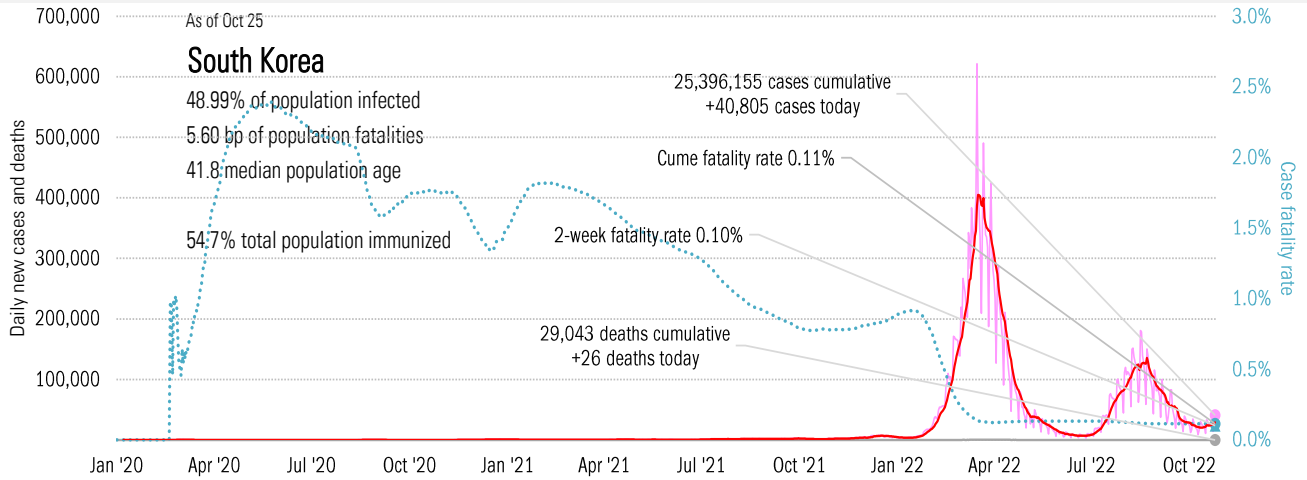
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

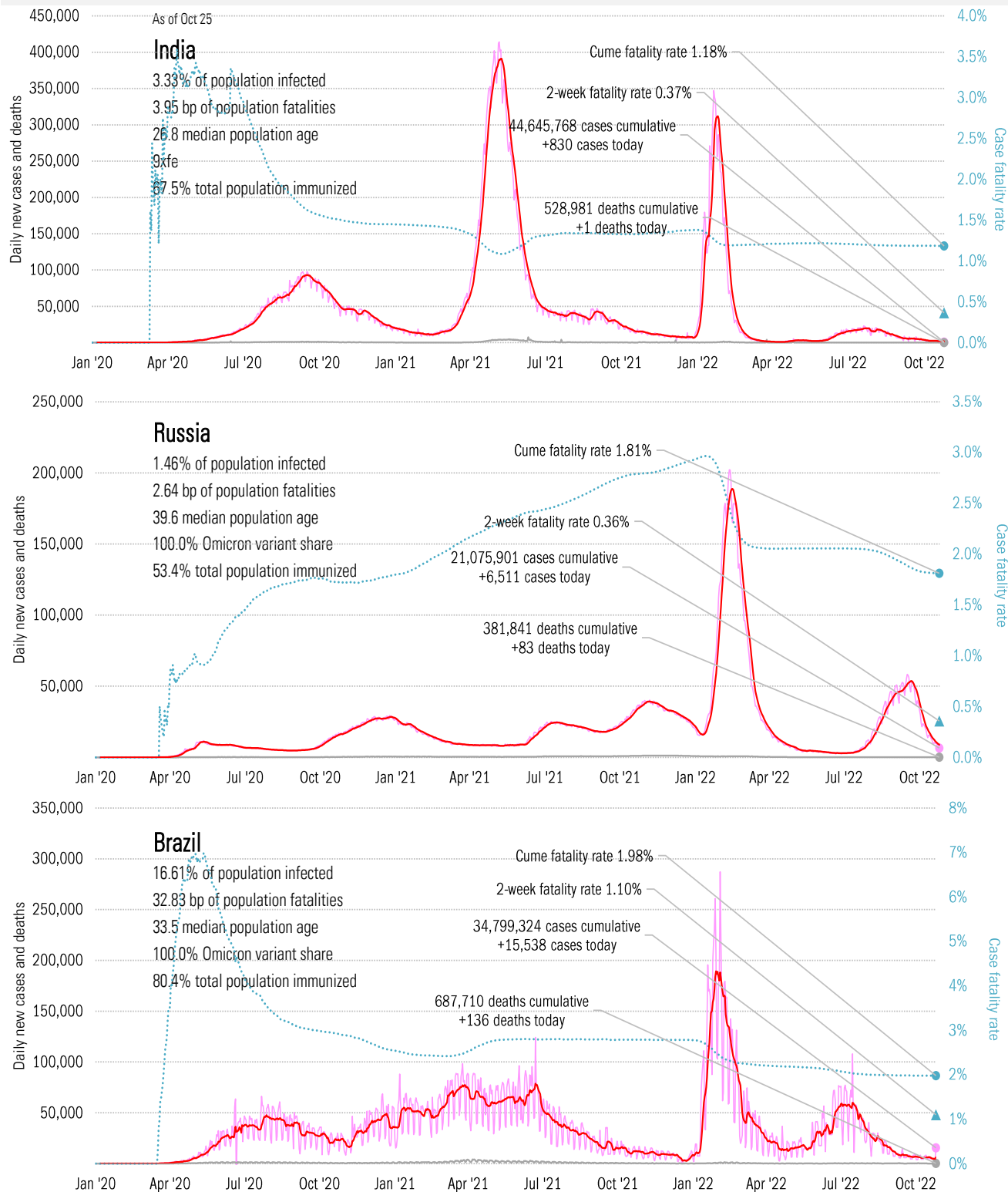
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

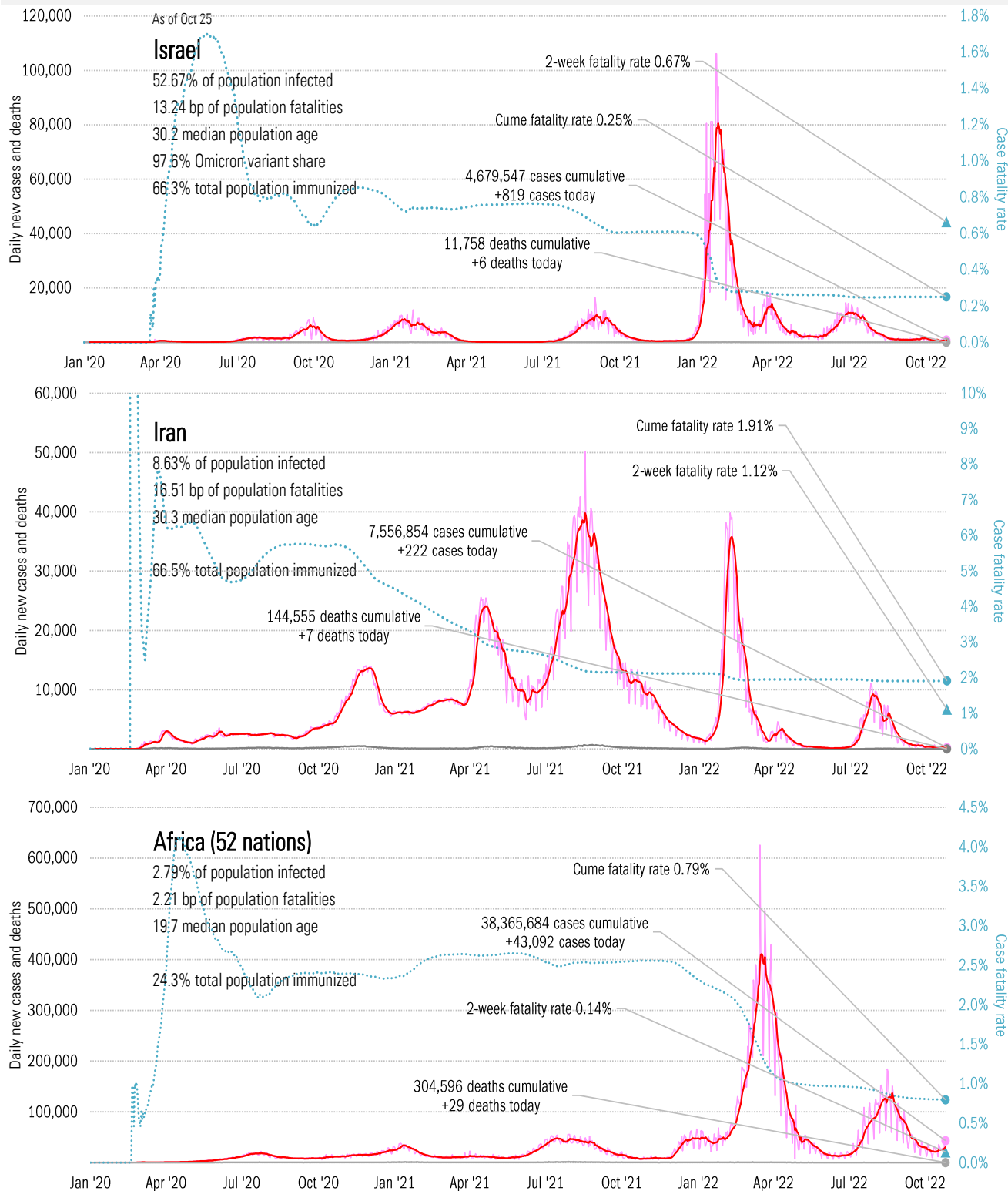
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

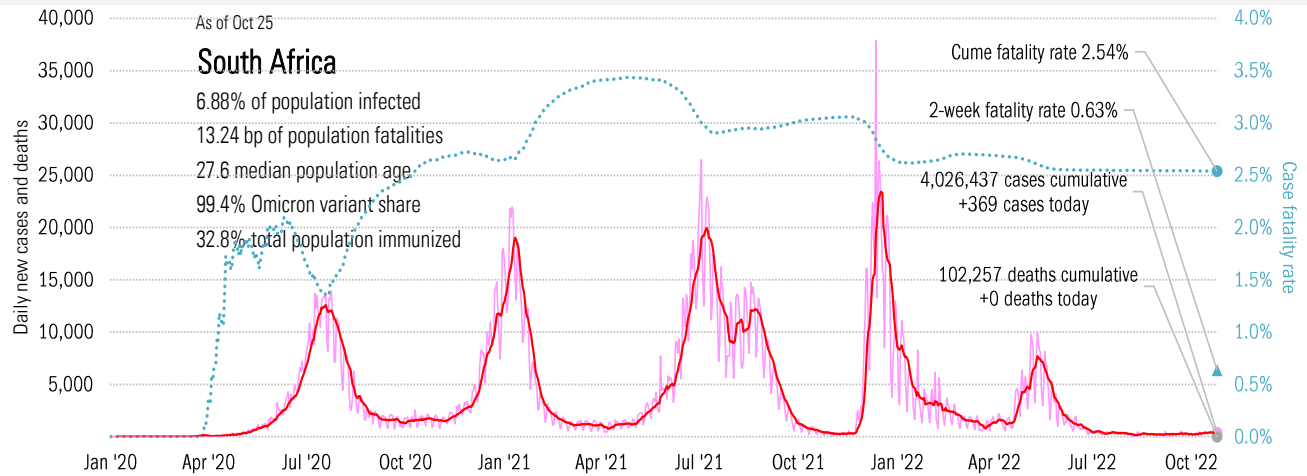
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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