

Data Insights: Covid-2019 Monitor

Thursday, October 27, 2022

The global scorecard

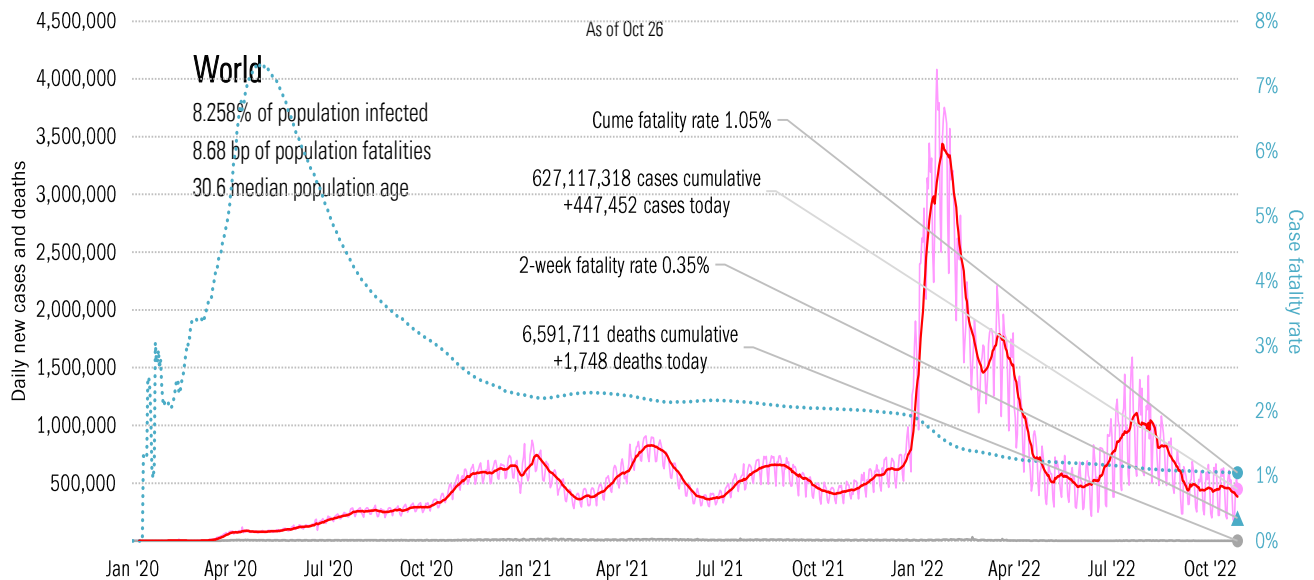
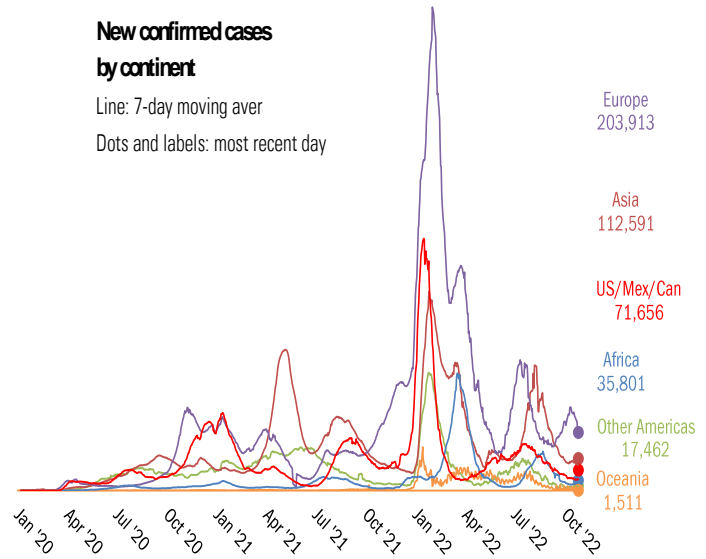
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Germany	78,905	United States	894
United States	53,103	Brazil	197
Japan	50,294	Germany	196
France	41,241	Hungary	140
Taiwan*	40,254	Italy	93
Italy	35,036	Russia	79
Korea, South	34,950	Japan	67
Czechia	11,351	France	60
Singapore	9,557	Canada	52
Hungary	9,023	Taiwan*	52
363,714		1,830	

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

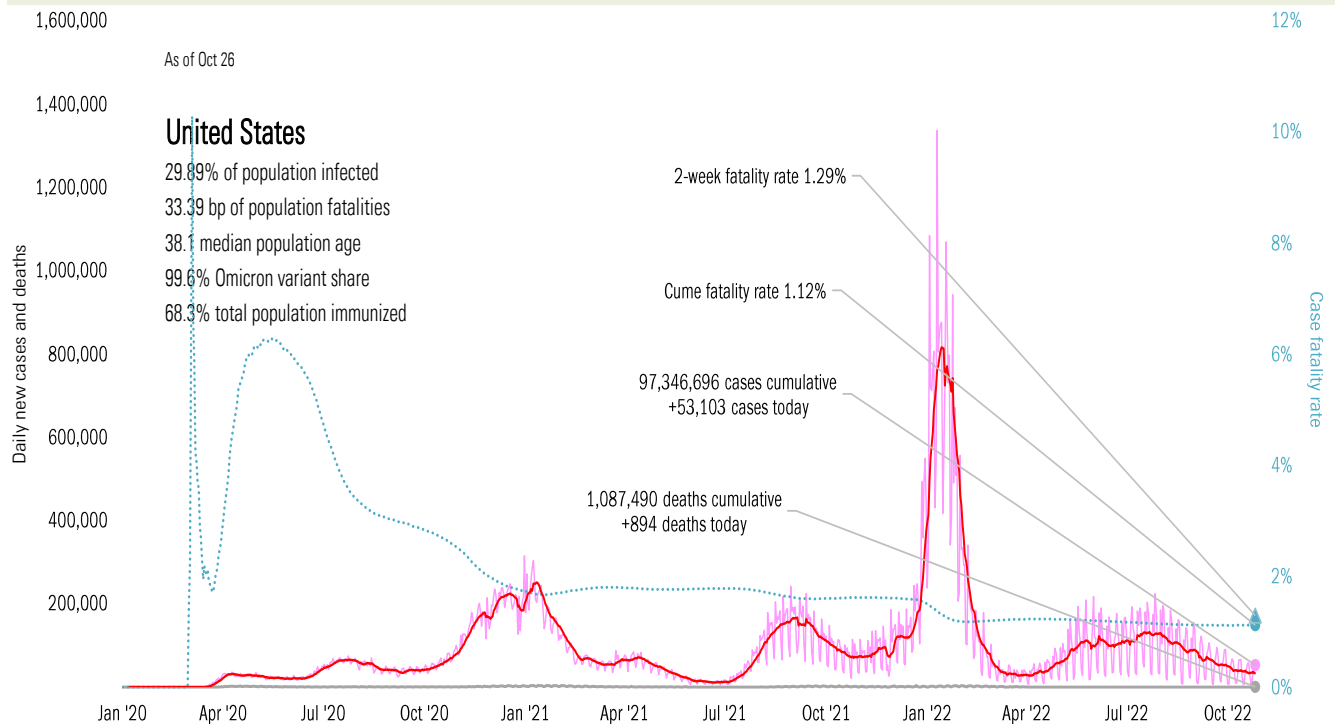
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
PA	11,779		NY	457	CO	58	CA	11,348,431	CA	96,748	TX	550,175	RI	90%	TX	89%					
NY	4,324		NC	68	WI	103	TX	8,031,665	TX	91,135	CA	506,477	MA	87%	NE	86%					
TX	3,241		LA	30	GA	113	FL	7,196,531	FL	82,338	FL	498,191	MN	86%	MA	85%					
FL	2,865		MI	23	MN	91	NY	6,229,258	NY	73,140	NY	308,711	GA	86%	AK	85%					
IL	2,404		TX	22	TX	177	IL	3,804,665	PA	47,705	GA	227,618	MO	85%	AL	84%					
NC	2,369		WA	22	VA	88	PA	3,304,816	GA	40,626	CH	222,081	WA	84%	RI	83%					
NJ	1,755		CA	21	IN	93	NC	3,237,440	CH	40,111	PA	208,419	MI	82%	GA	83%					
MI	1,738		PA	18	PA	221	CH	3,173,375	IL	39,947	IL	190,354	MD	82%	DC	83%					
CH	1,585		IL	17	MI	154	GA	2,920,663	MI	39,250	MI	166,102	NH	82%	NH	81%					
WI	1,391		VA	17	WV	31	MI	2,886,176	NJ	34,877	KY	146,242	WV	82%	NC	81%					
33,451			694			1,129			52,133,020			585,877			3,024,370						
All states	53,103			894		3,417	All states	97,346,696		1,087,490		5,489,802	All states	70%		67%					
Top ten	63%			78%		33%	Top ten	54%		55%		55%	Median	77%		74%					

Some states not reporting

Five most improved US states

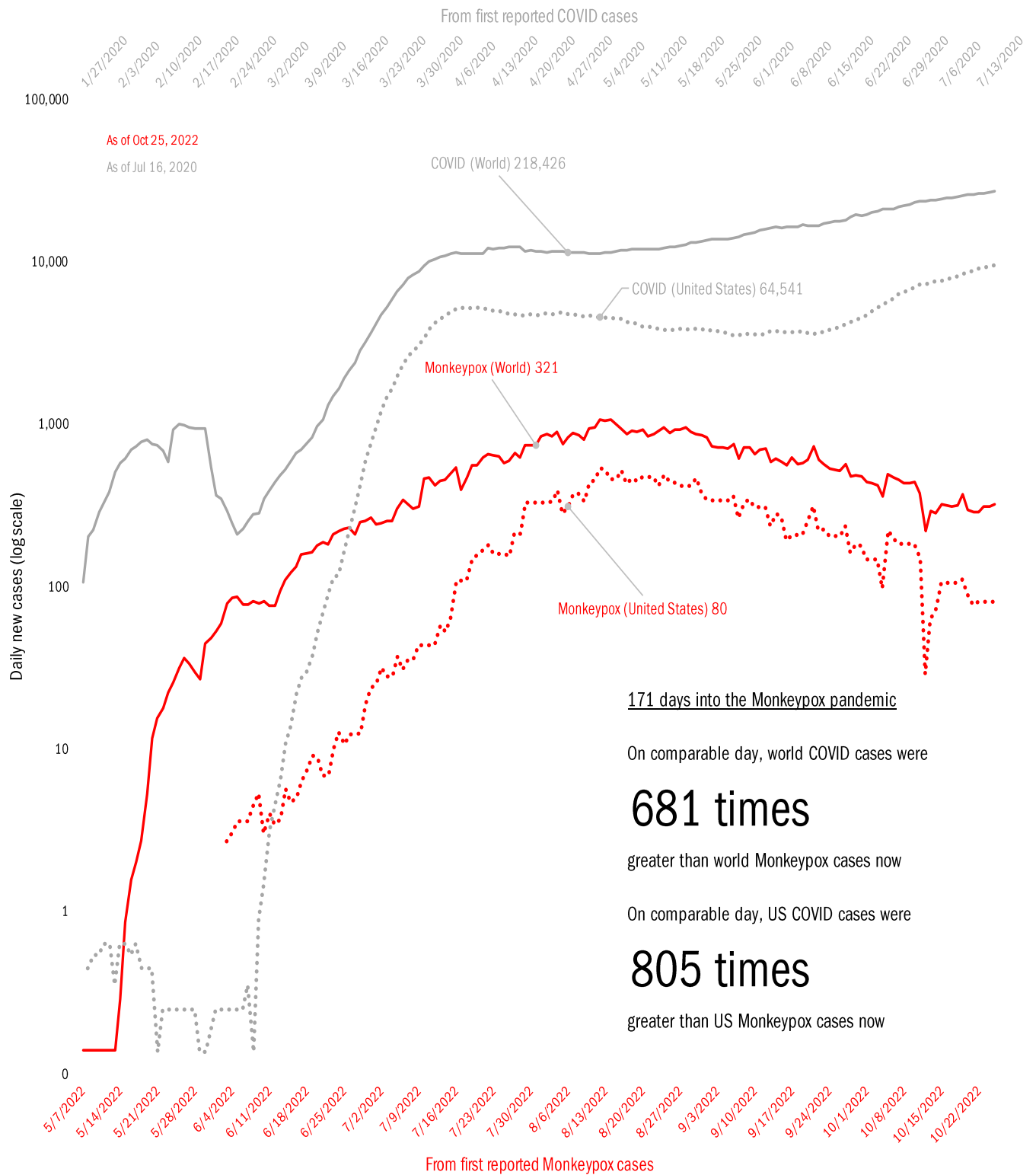
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NJ	-2,346	WI	-10	CA	-87
MD	-782	FL	-6	NC	-86
ME	-237	AZ	-4	MA	-54
AZ	-89	MD	-3	NJ	-52
WV	-42	MO	-3	NY	-49



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

The Monkeypox contextualizer

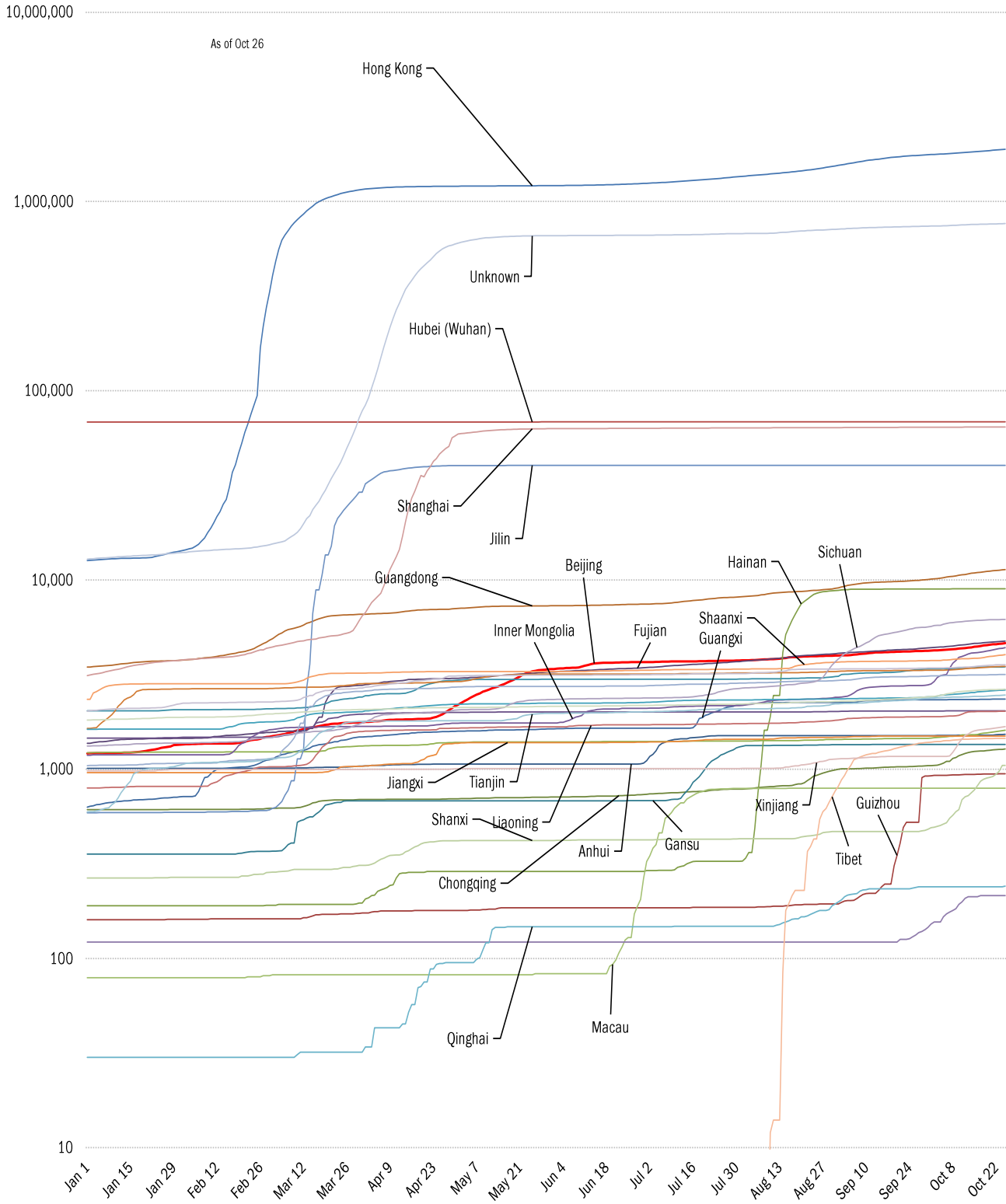
The course of case growth versus COVID



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"

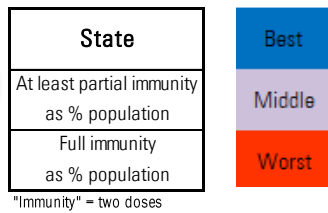
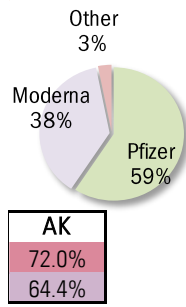


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

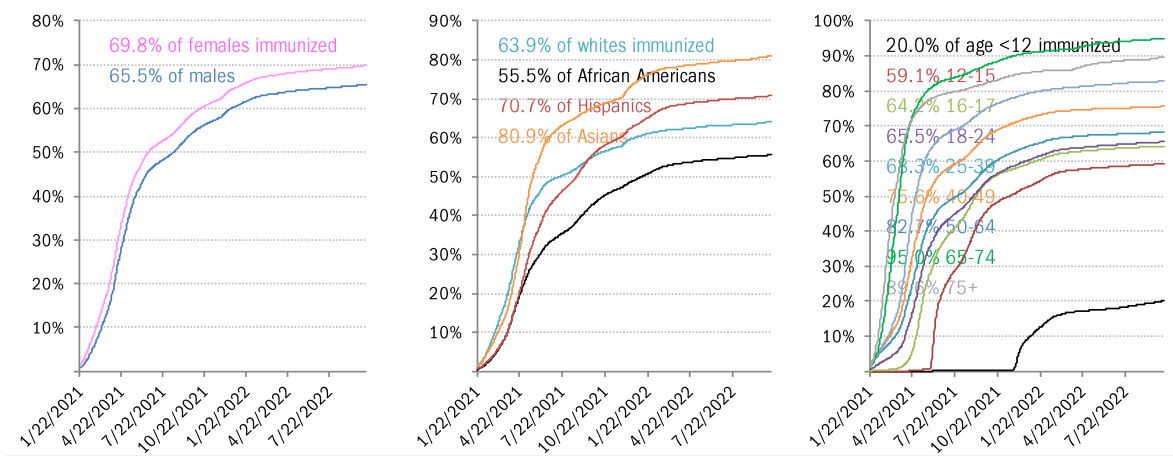
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	648,750,535		+0.738 million	US	68.3%	80.0%
of which boosters	113,645,892		+0.078 million	UK	75.5%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	273,846,111	82%	233,314,181	70%	+0.058 million	France 78.7% 81.0%
Age 12 to 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%



As of Oct 21

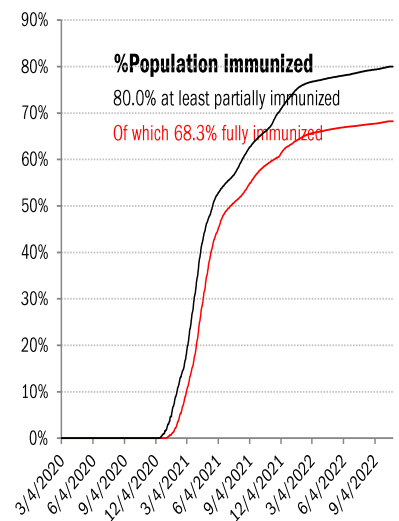
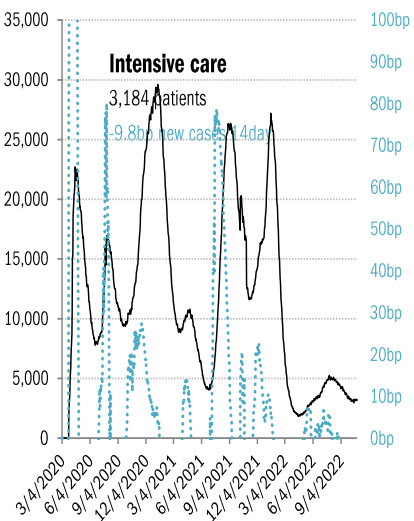
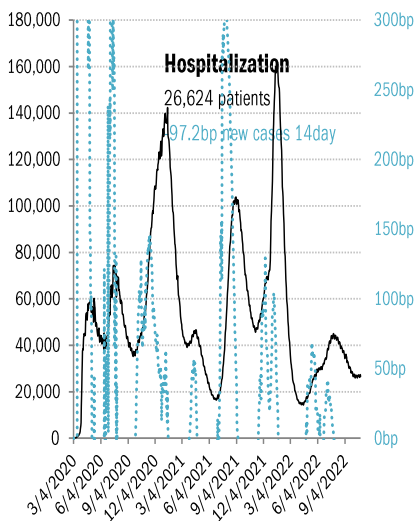
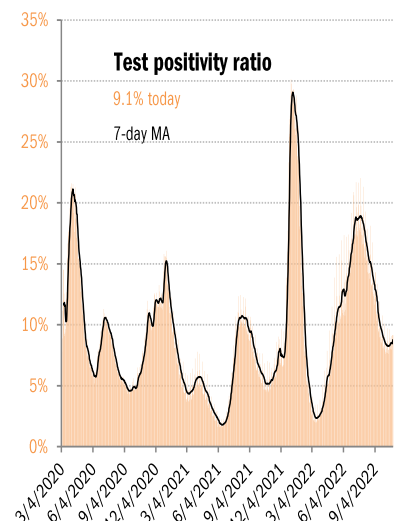
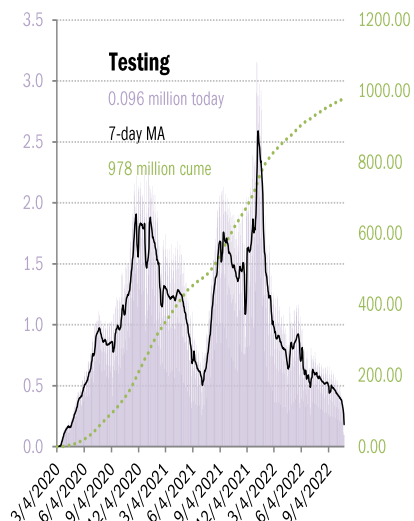
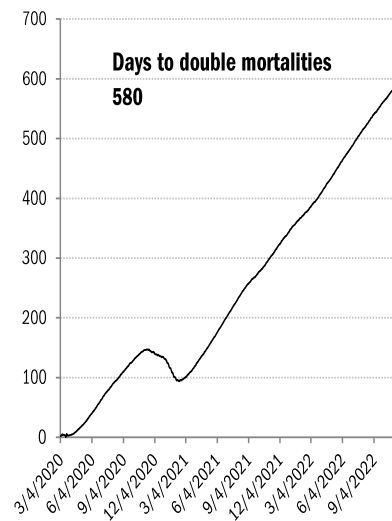
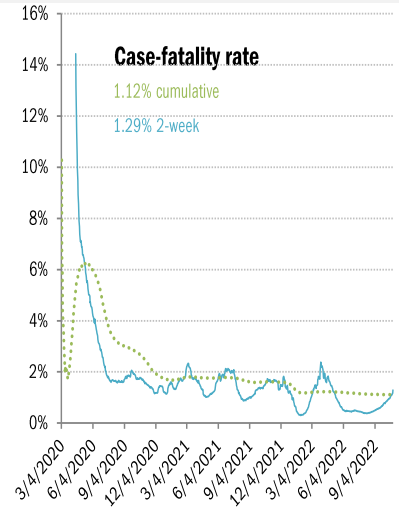
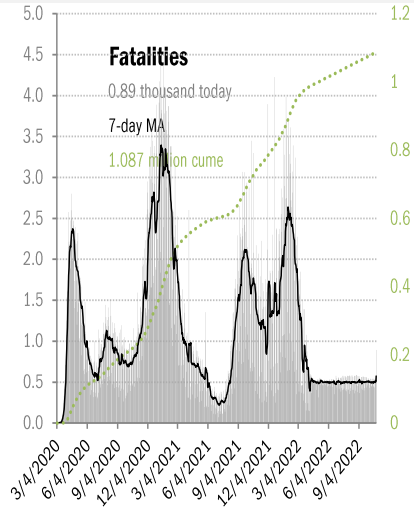
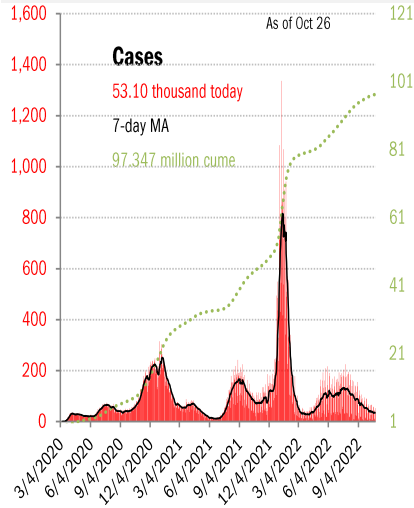
State	Best	Middle	Worst
AK	72.0%	64.4%	
WI	73.9%	67.3%	
ME	94.6%	82.1%	
NY	92.9%	79.4%	
VT	95.0%	83.9%	
NH	84.8%	69.7%	
OR	80.2%	71.3%	
NV	77.6%	62.6%	
WY	59.8%	52.3%	
SD	81.0%	64.6%	
IA	69.7%	63.5%	
IN	63.6%	57.2%	
OH	64.9%	59.7%	
PA	88.5%	71.5%	
NJ	93.2%	77.9%	
MA	95.0%	82.2%	
CA	85.2%	74.2%	
UT	74.3%	65.9%	
CO	82.2%	72.4%	
NE	72.3%	65.3%	
MO	68.2%	58.0%	
KY	67.9%	58.9%	
WV	66.7%	59.1%	
VA	88.9%	75.4%	
MD	90.0%	78.3%	
CT	95.0%	81.8%	
RI	95.0%	86.1%	
AZ	76.4%	63.8%	
NM	91.7%	73.7%	
KS	74.9%	64.1%	
AR	68.8%	56.1%	
TN	63.8%	55.8%	
NC	89.2%	65.0%	
SC	69.9%	59.0%	
DC	95.0%	82.1%	
DE	86.3%	71.8%	
OK	73.4%	59.4%	
LA	62.3%	54.6%	
MS	61.1%	53.3%	
AL	64.3%	52.5%	
GA	67.3%	56.4%	
HI	90.2%	80.5%	
TX	75.0%	62.4%	
FL	81.4%	68.6%	
PR	95.0%	85.9%	

The demographics of US vaccination

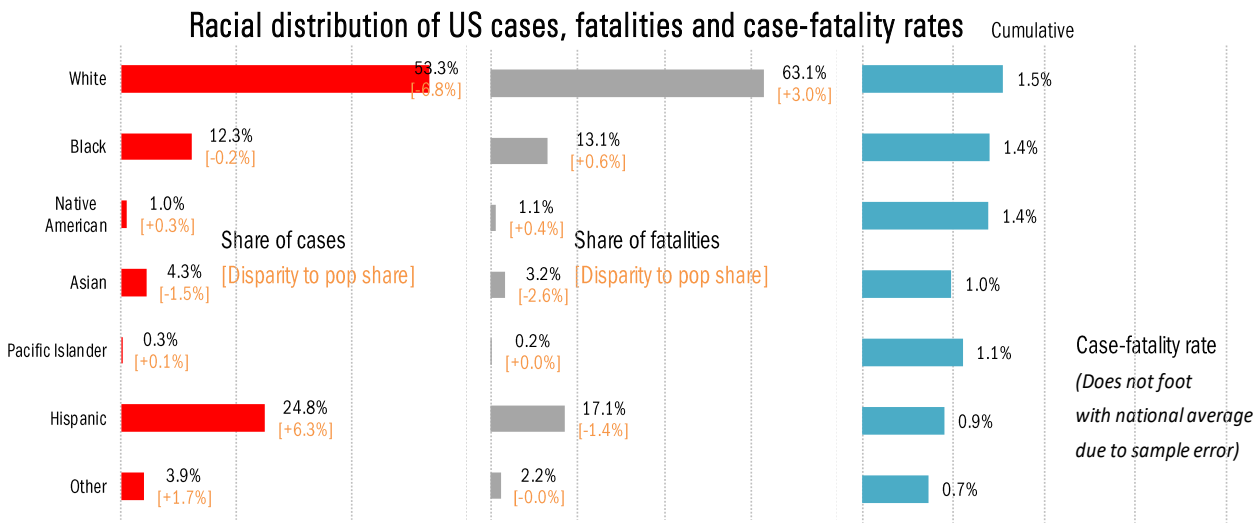
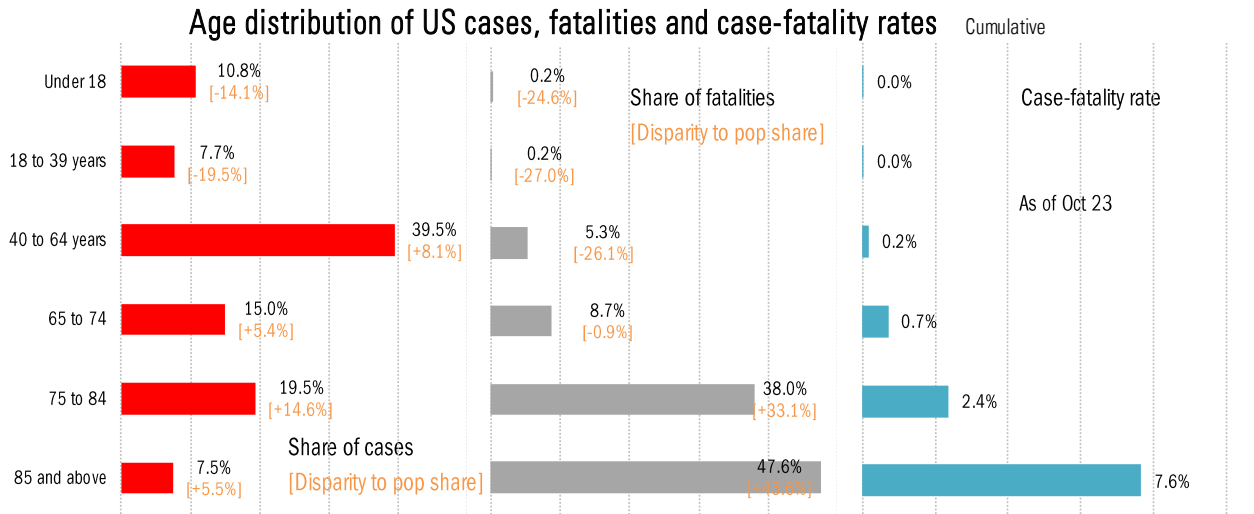


Source: CDC, CDC, Our World in Data, TrendMacro calculations

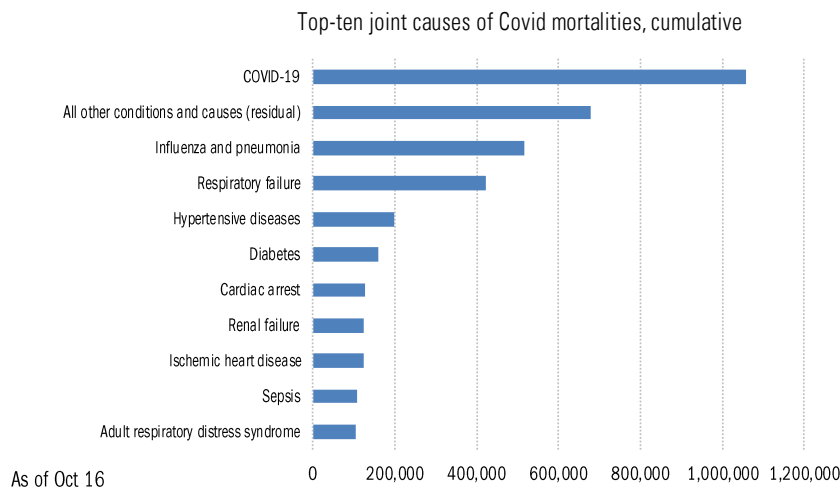
US deep-dive



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

[Why pediatricians are worried about the end of the federal COVID emergency](#)

Sebastian Martinez Valdivia
NPR
October 26, 2022

[Possible RSV, Covid-19 and Flu Collision Has Doctors Worried. What to Know.](#)

Sumathi Reddy
Wall Street Journal
October 26, 2022

[Global COVID cases will increase in coming months, but at a slower pace, analysis says](#)

Reuters
October 25, 2022

Meme of the day

Democrats Form Committee To Get To The Bottom Of Who Did All Those Lockdowns And Vaccine Mandates

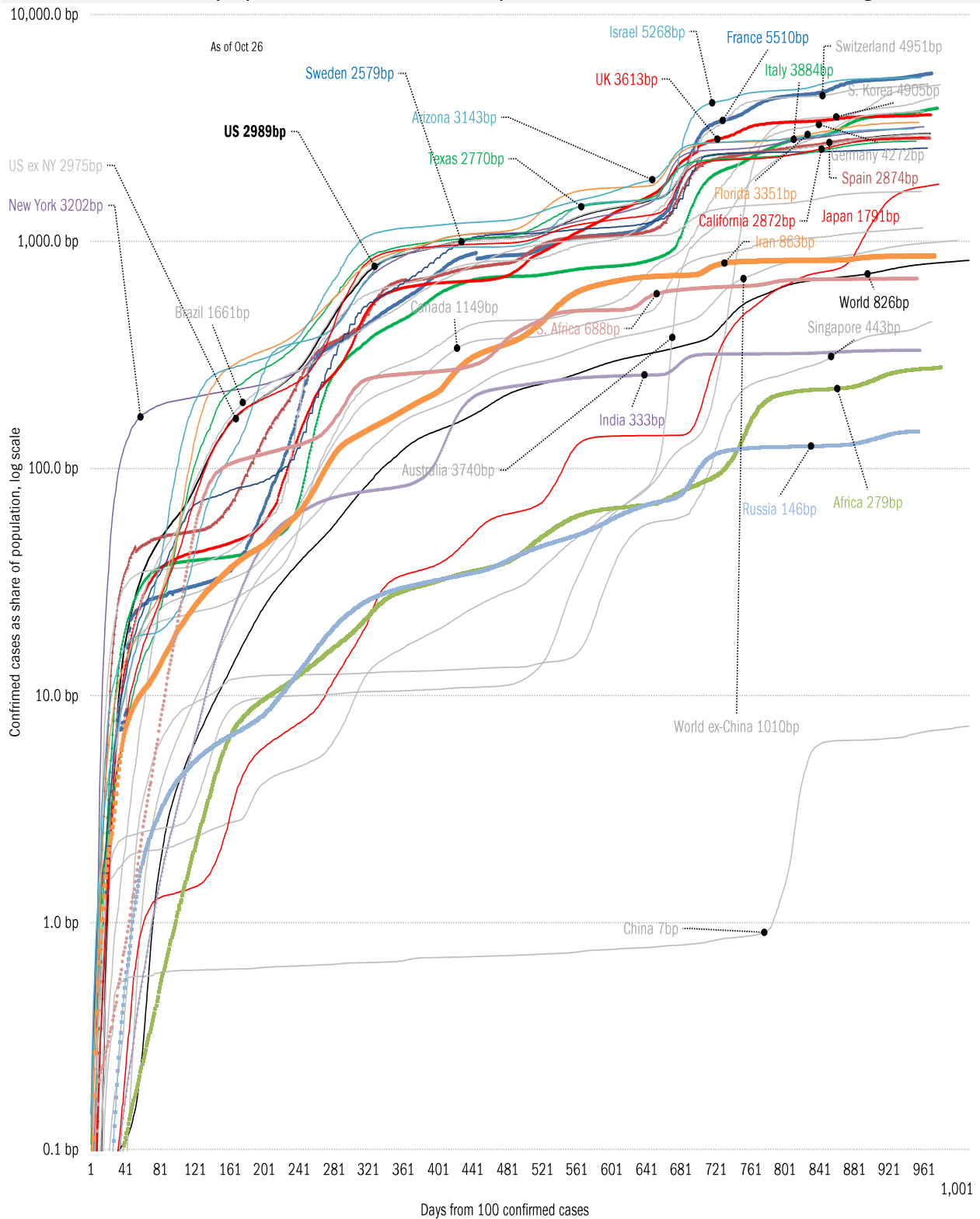
POLITICS · Oct 25, 2022 · BabylonBee.com



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

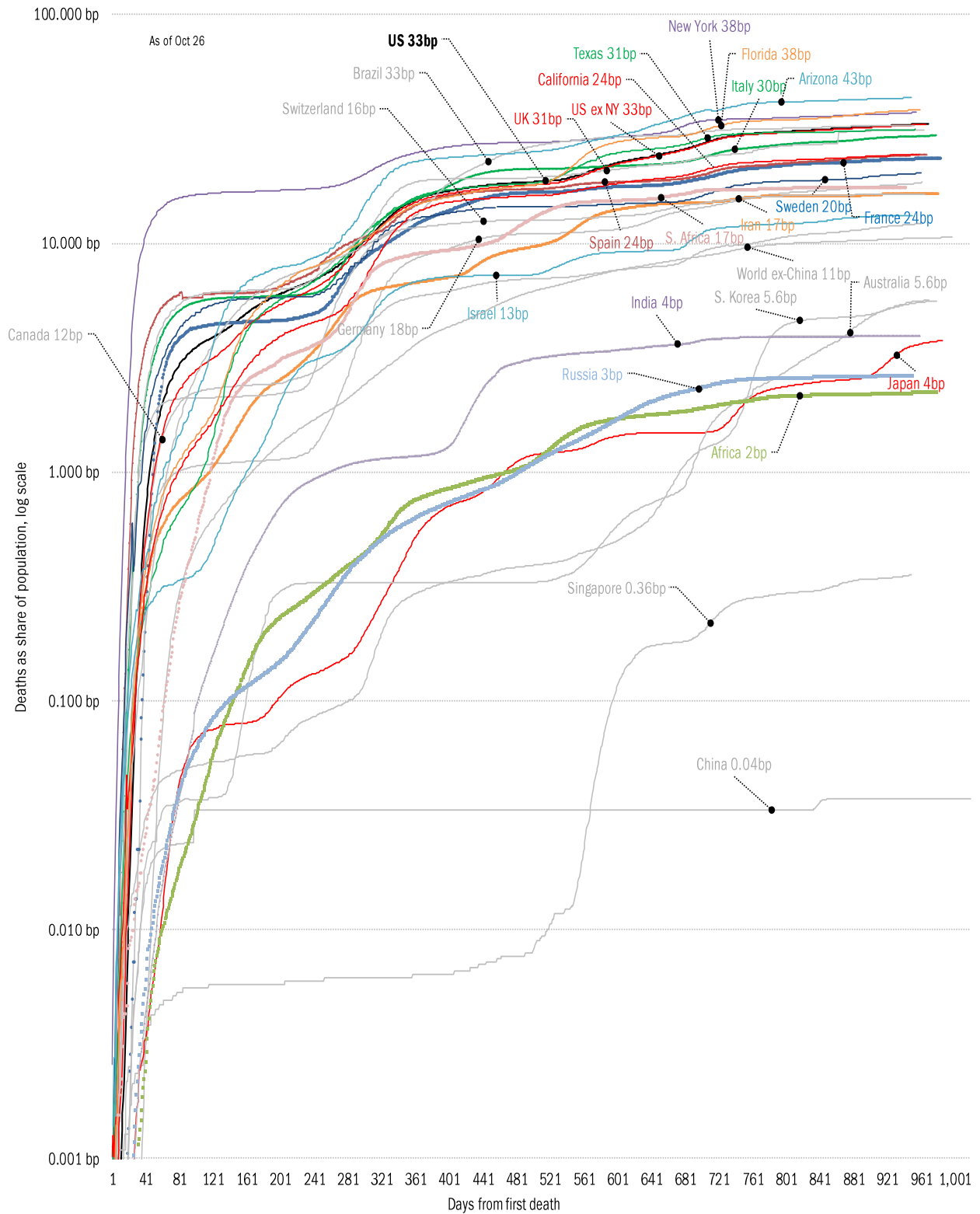
The global coronavirus case accelerometer... tracking the world's infection curves

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

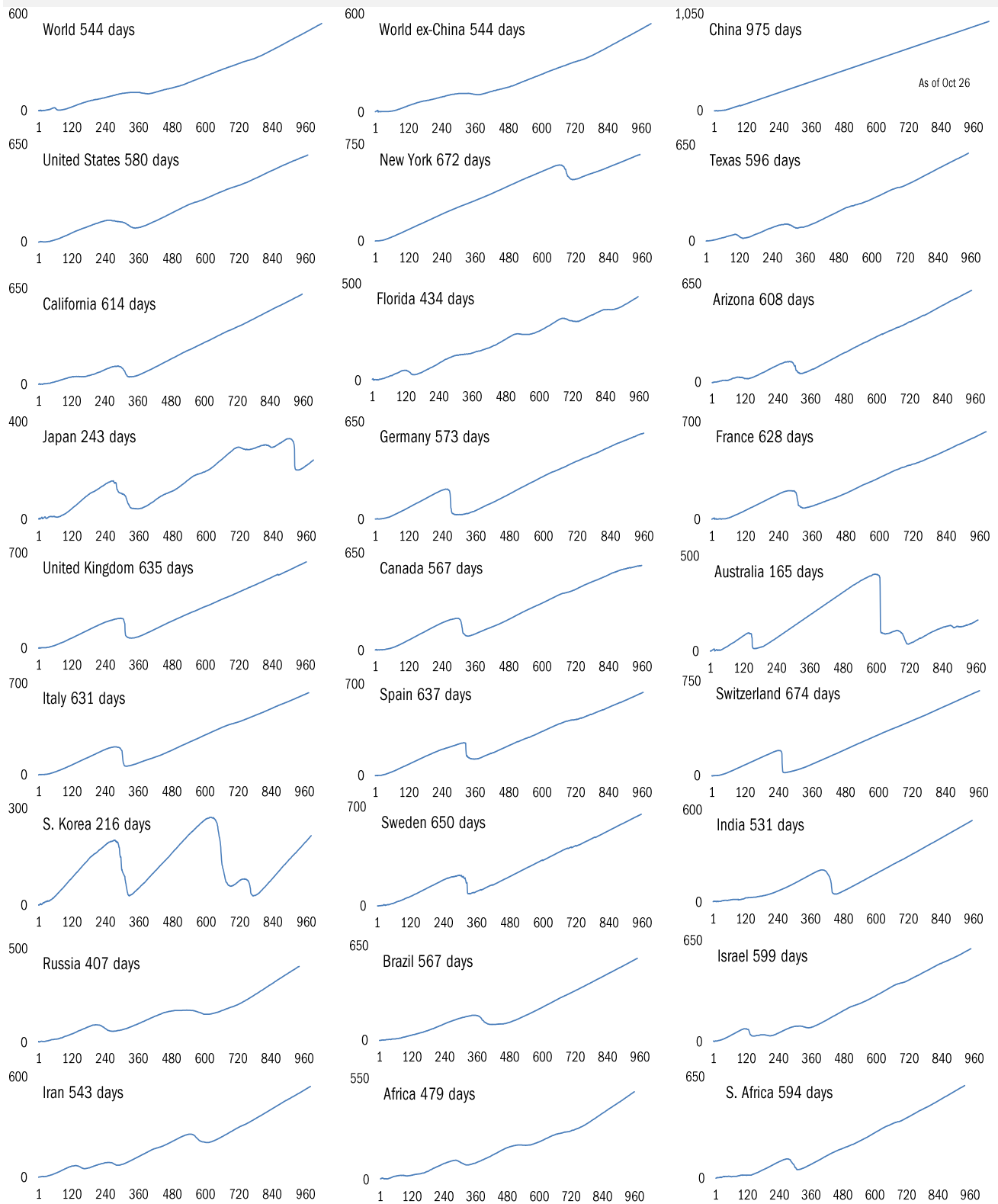


Source: [Johns Hopkins](#), TrendMacro calculations

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

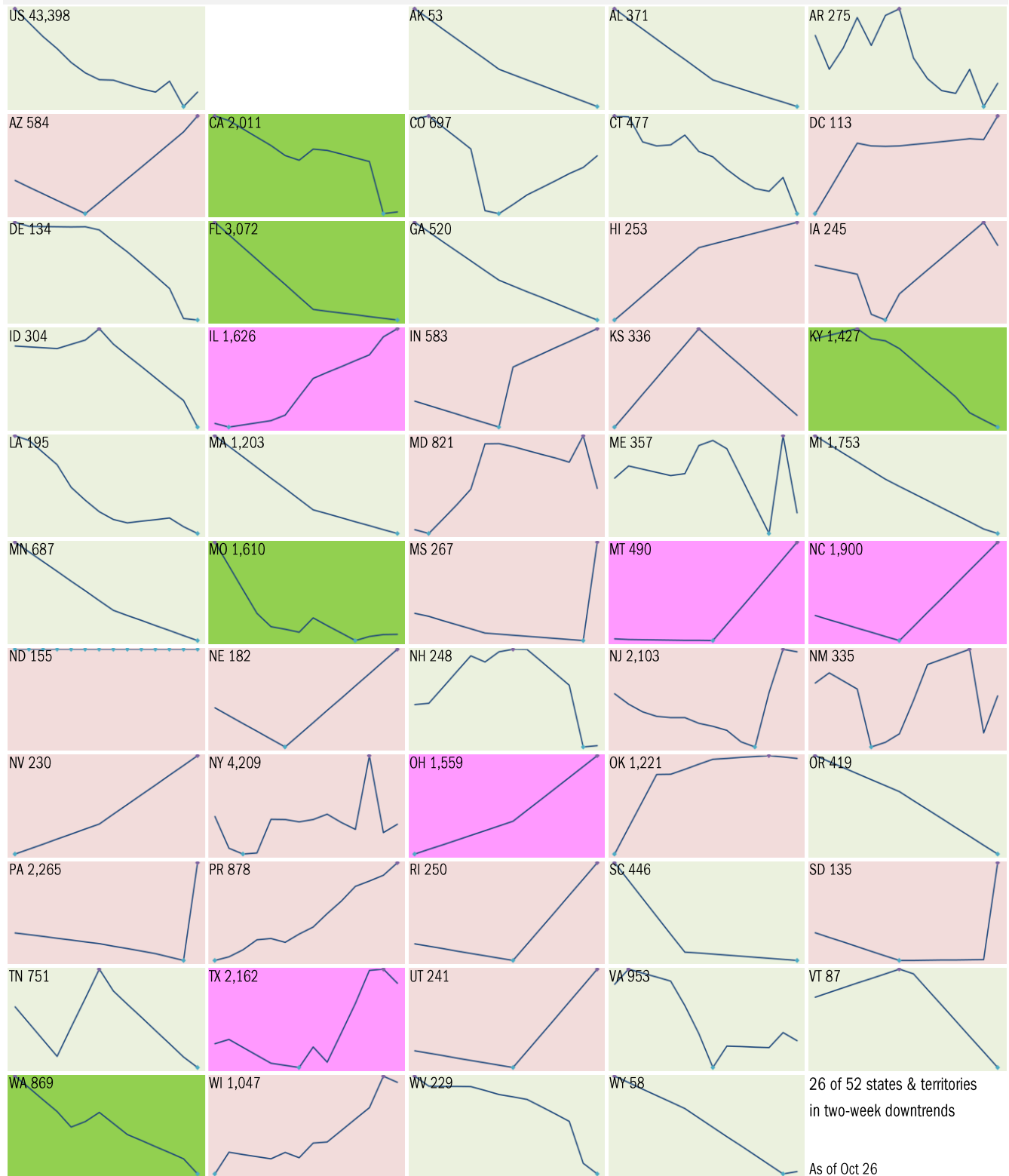


Source: [Johns Hopkins](#), TrendMacro calculations

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

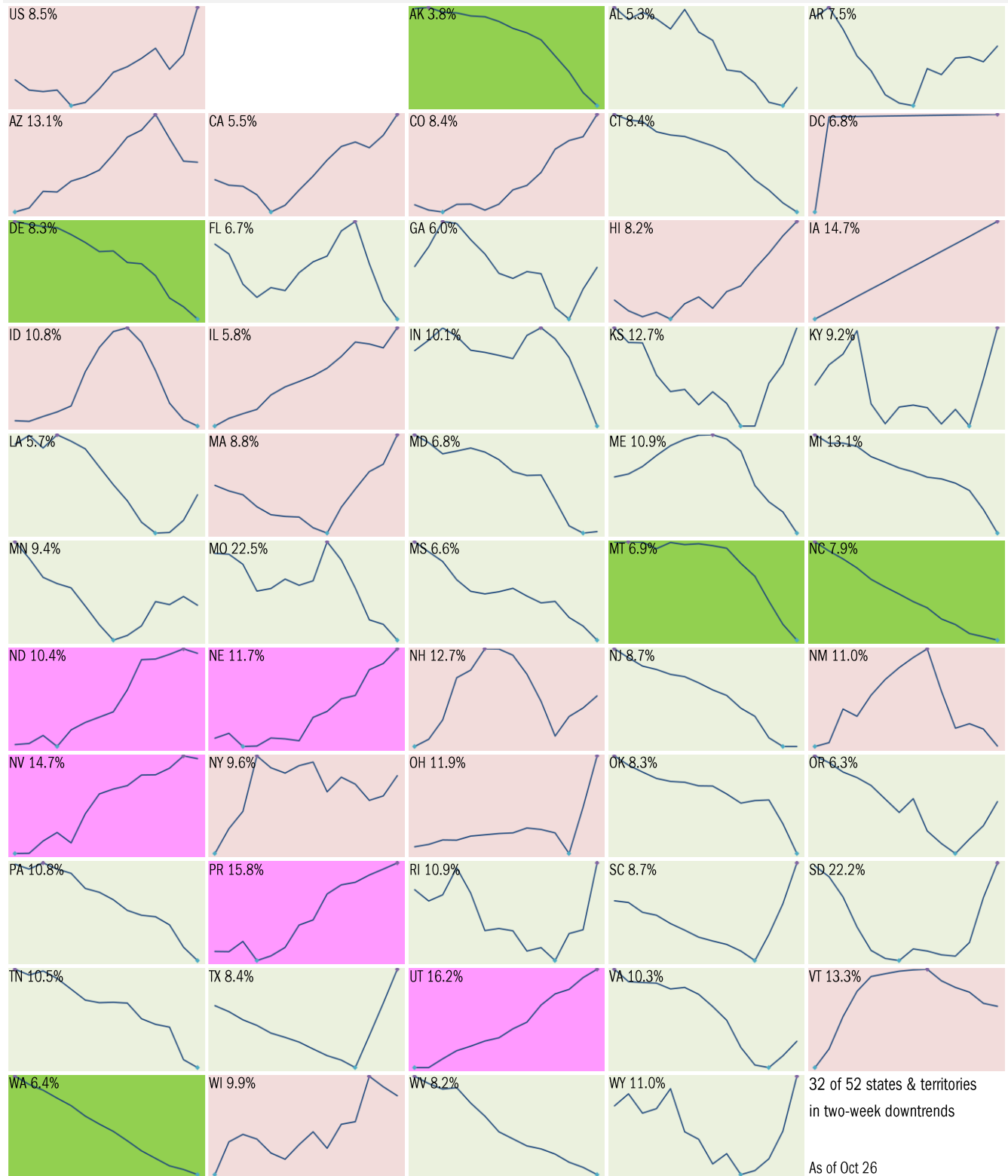


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

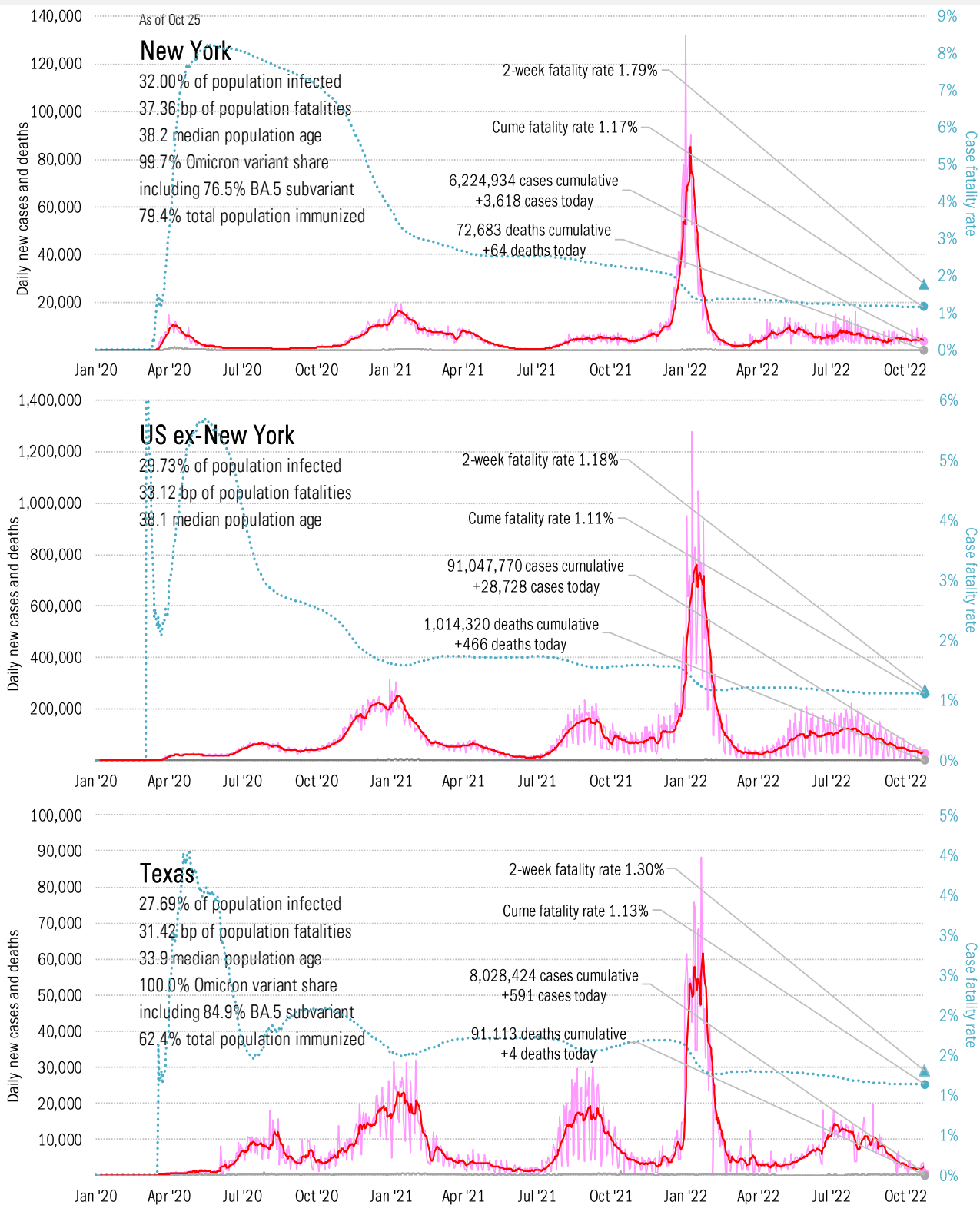
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

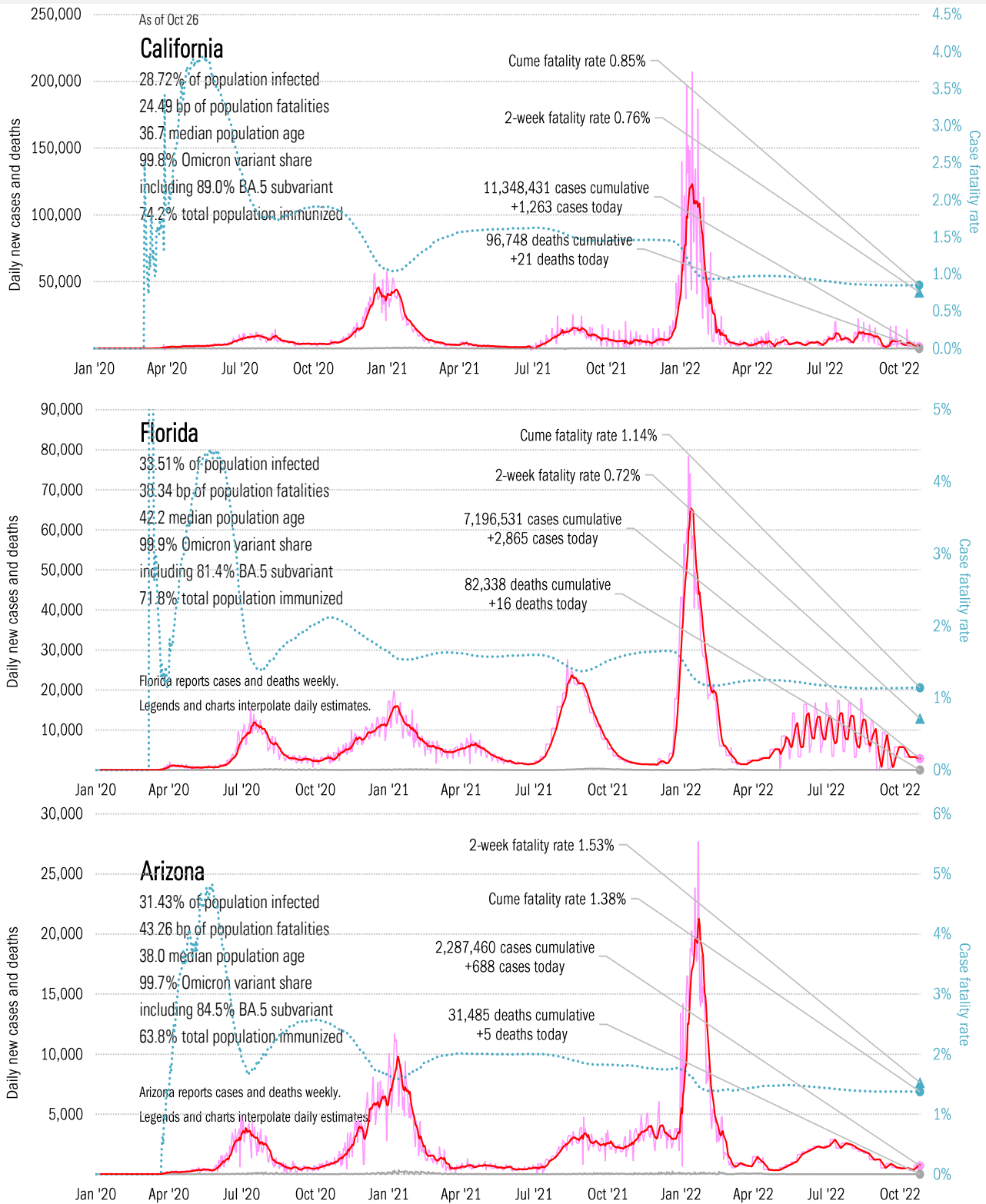
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

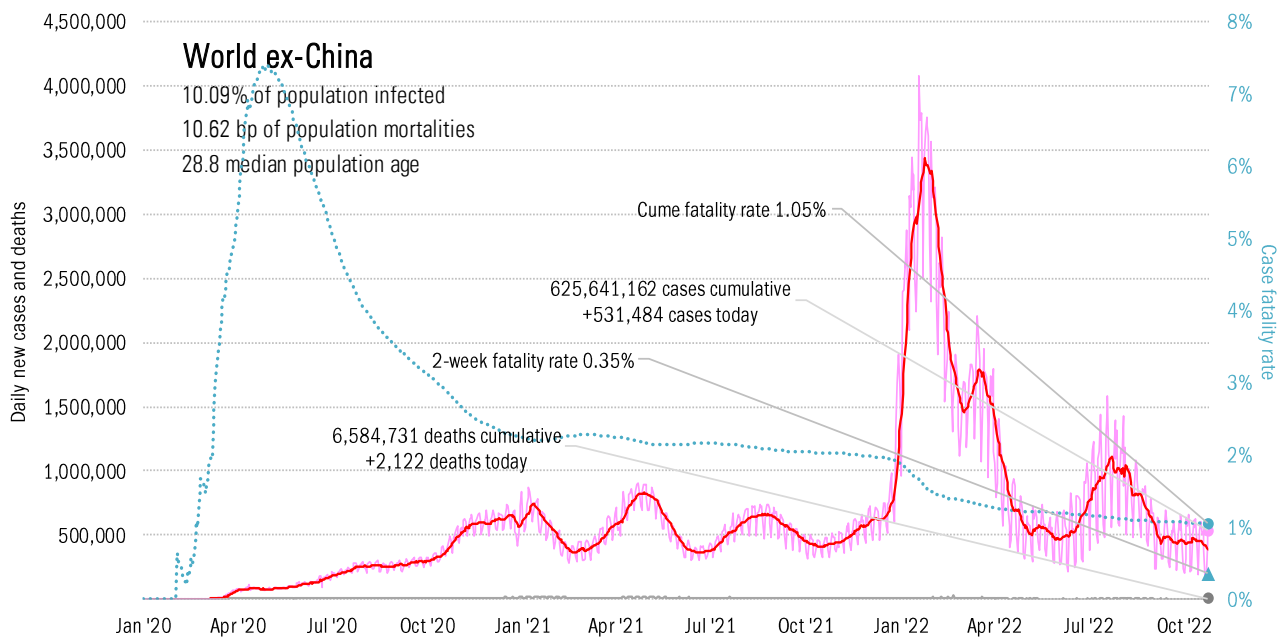
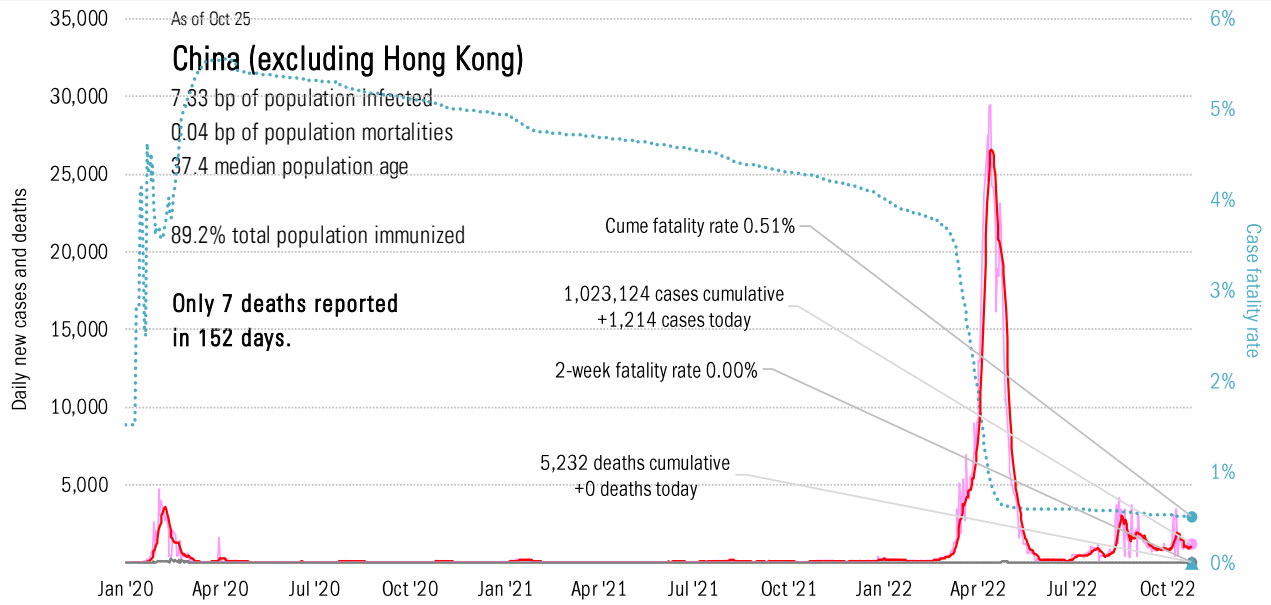
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

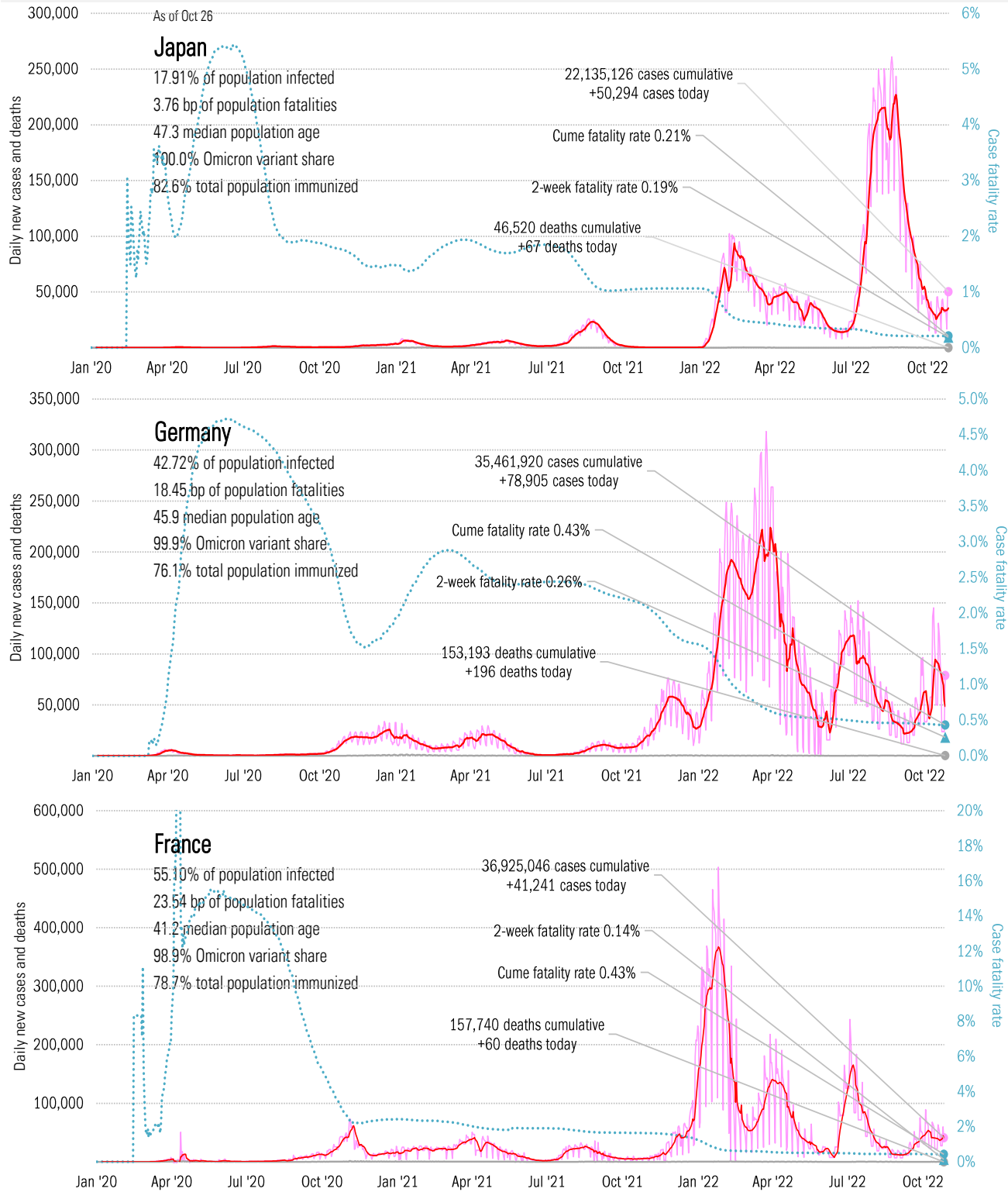
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

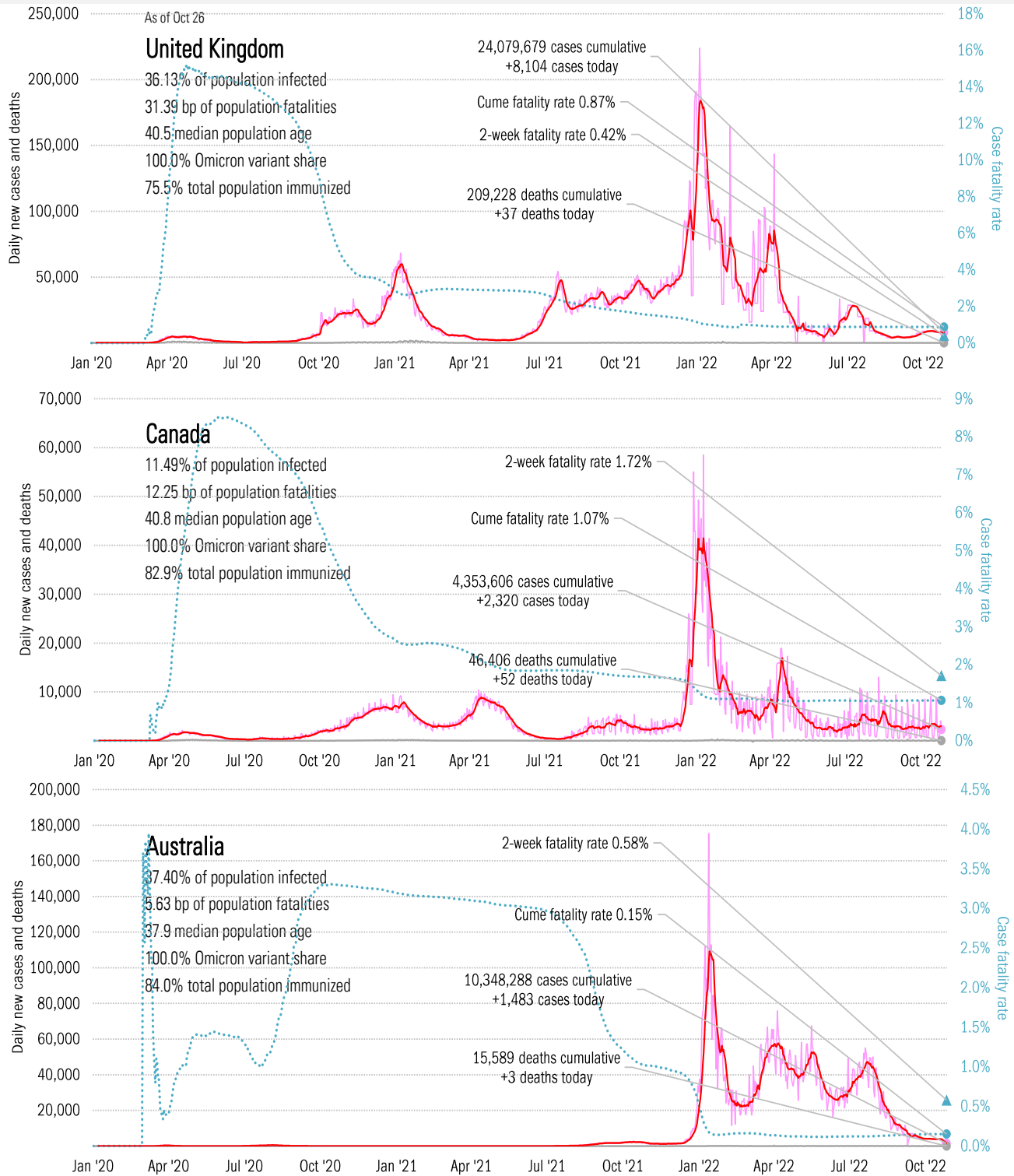
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

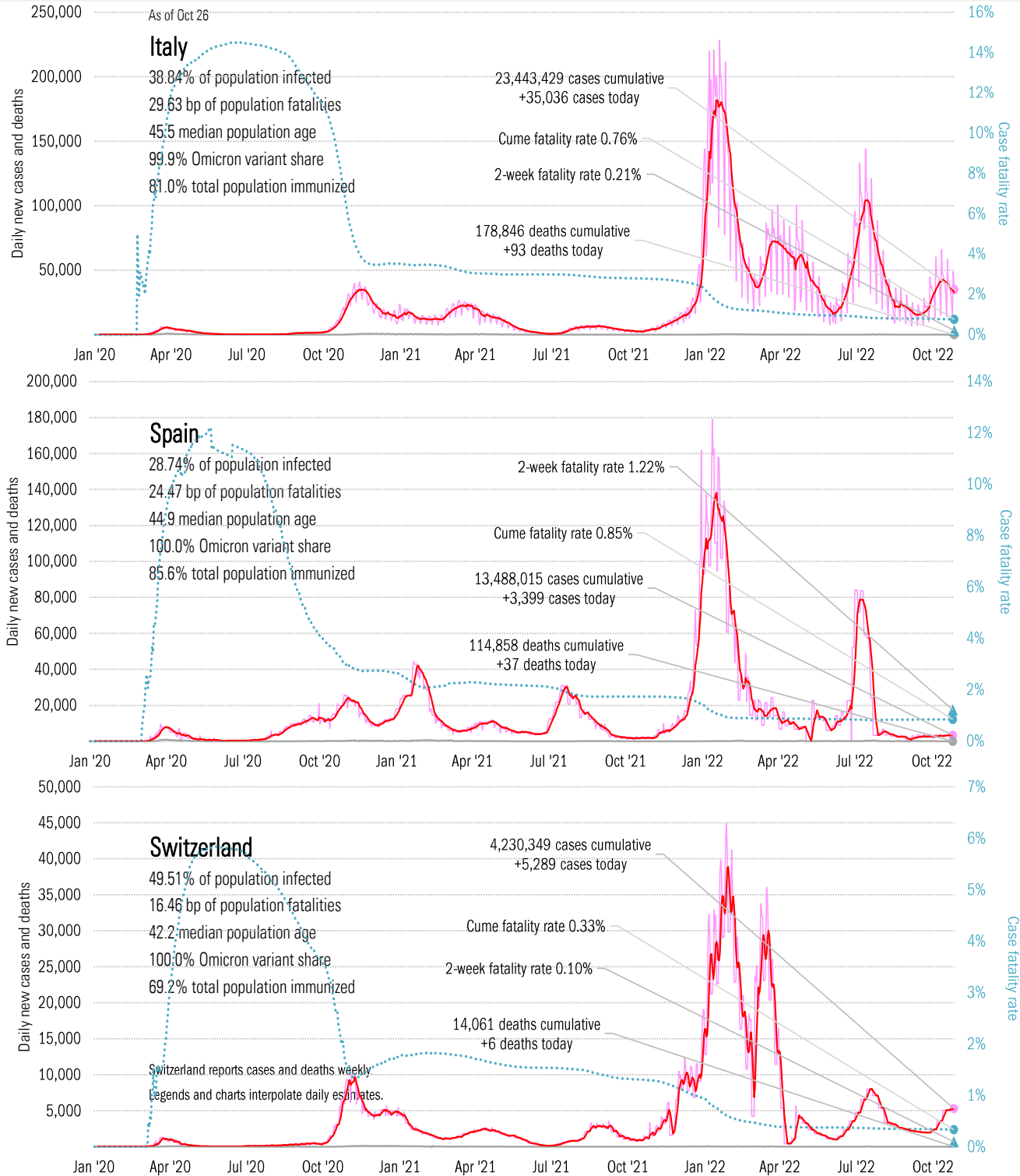
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

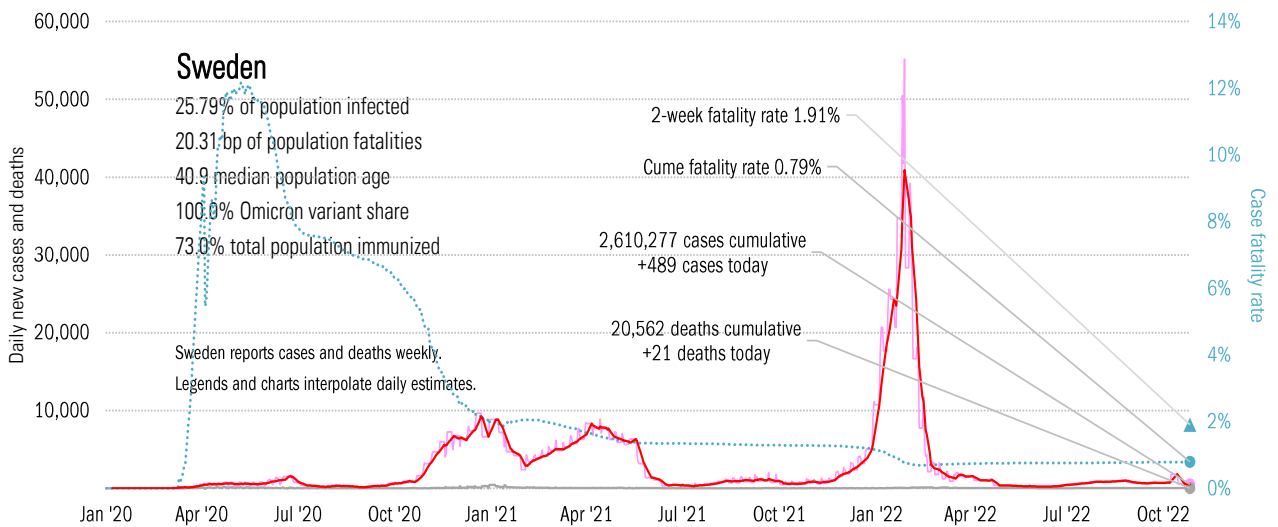
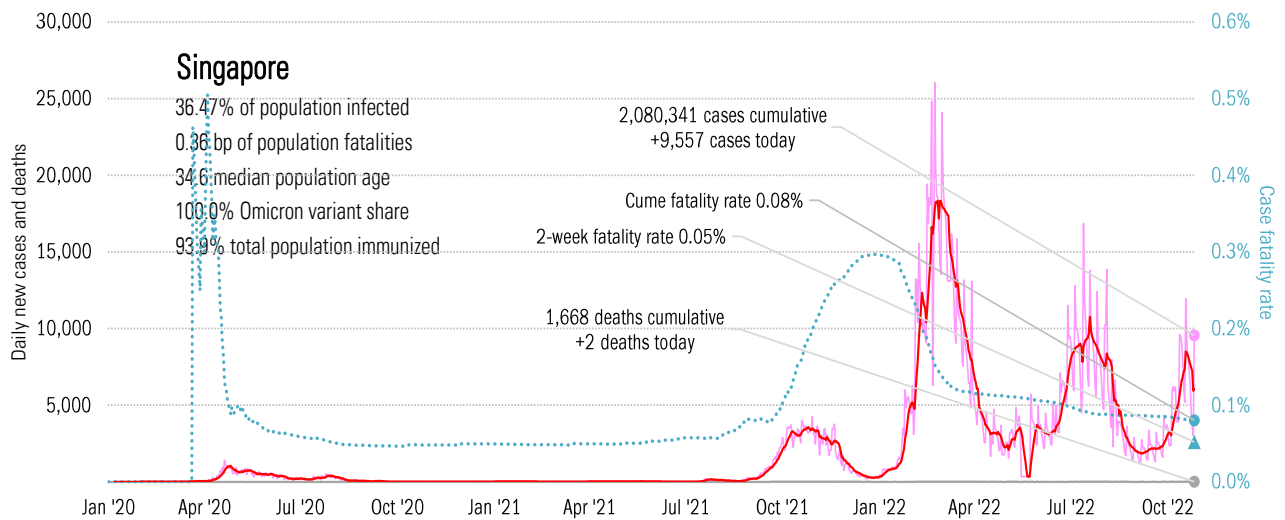
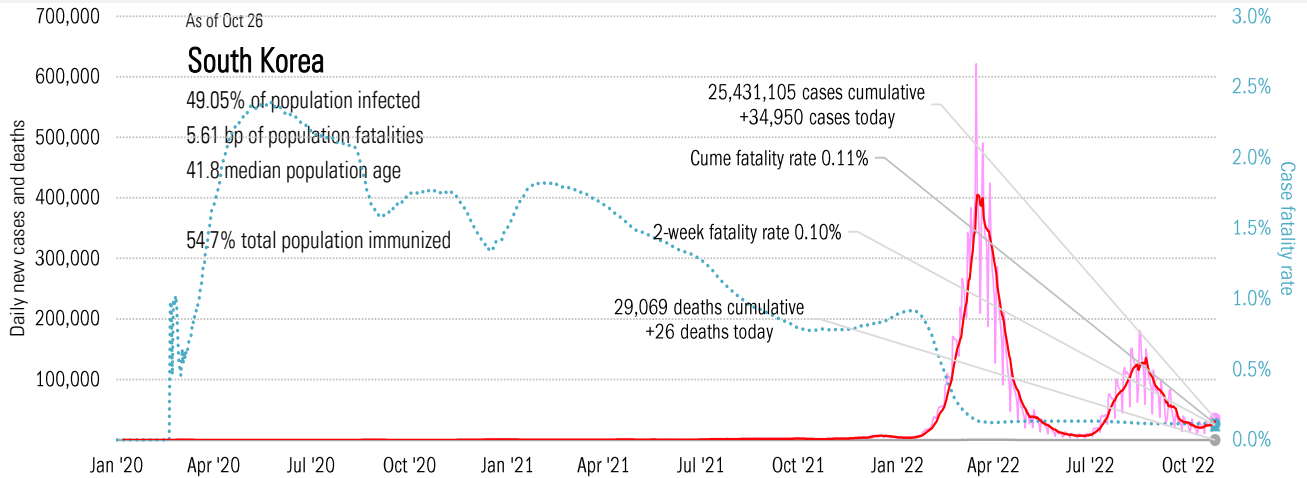
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

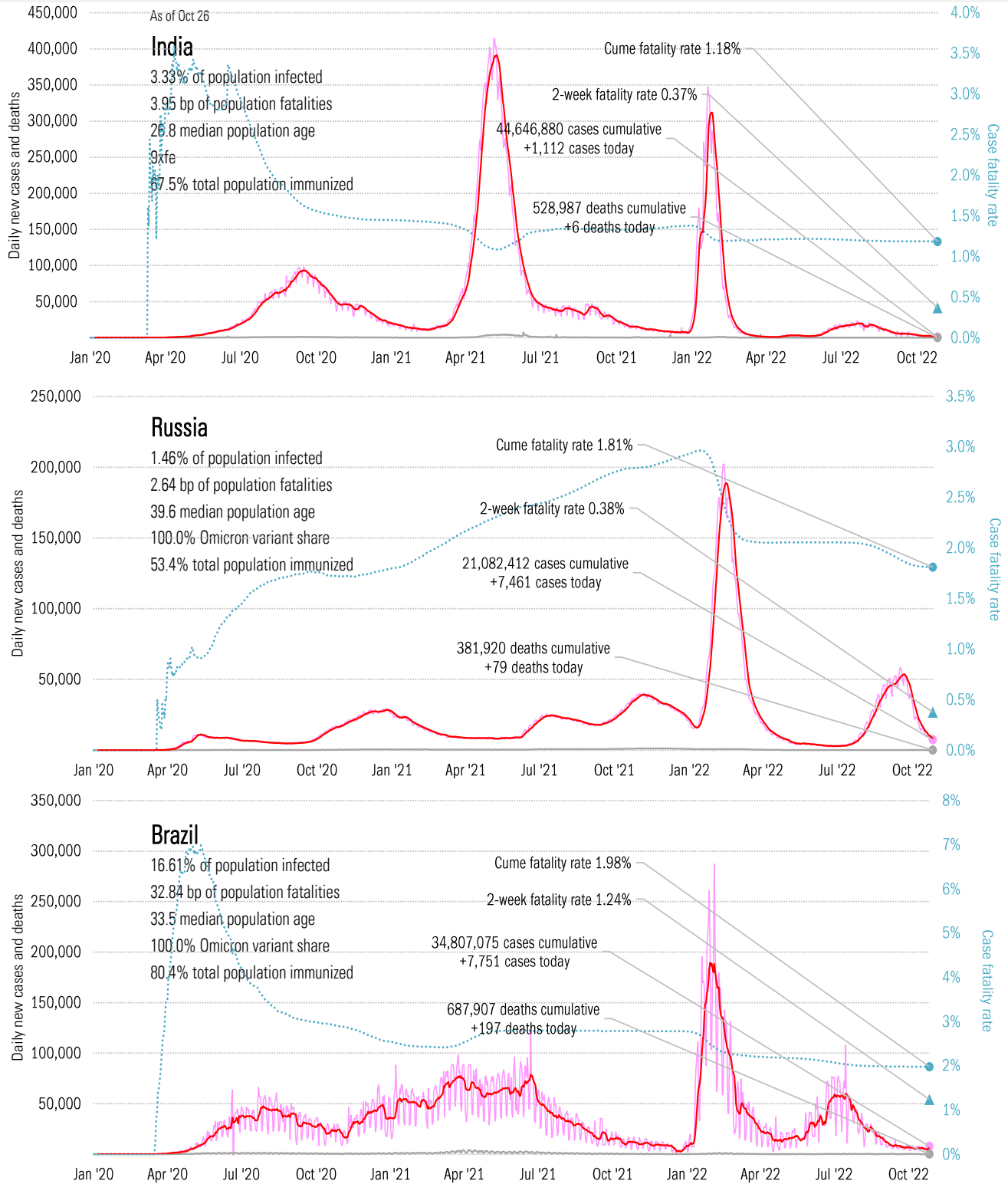
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

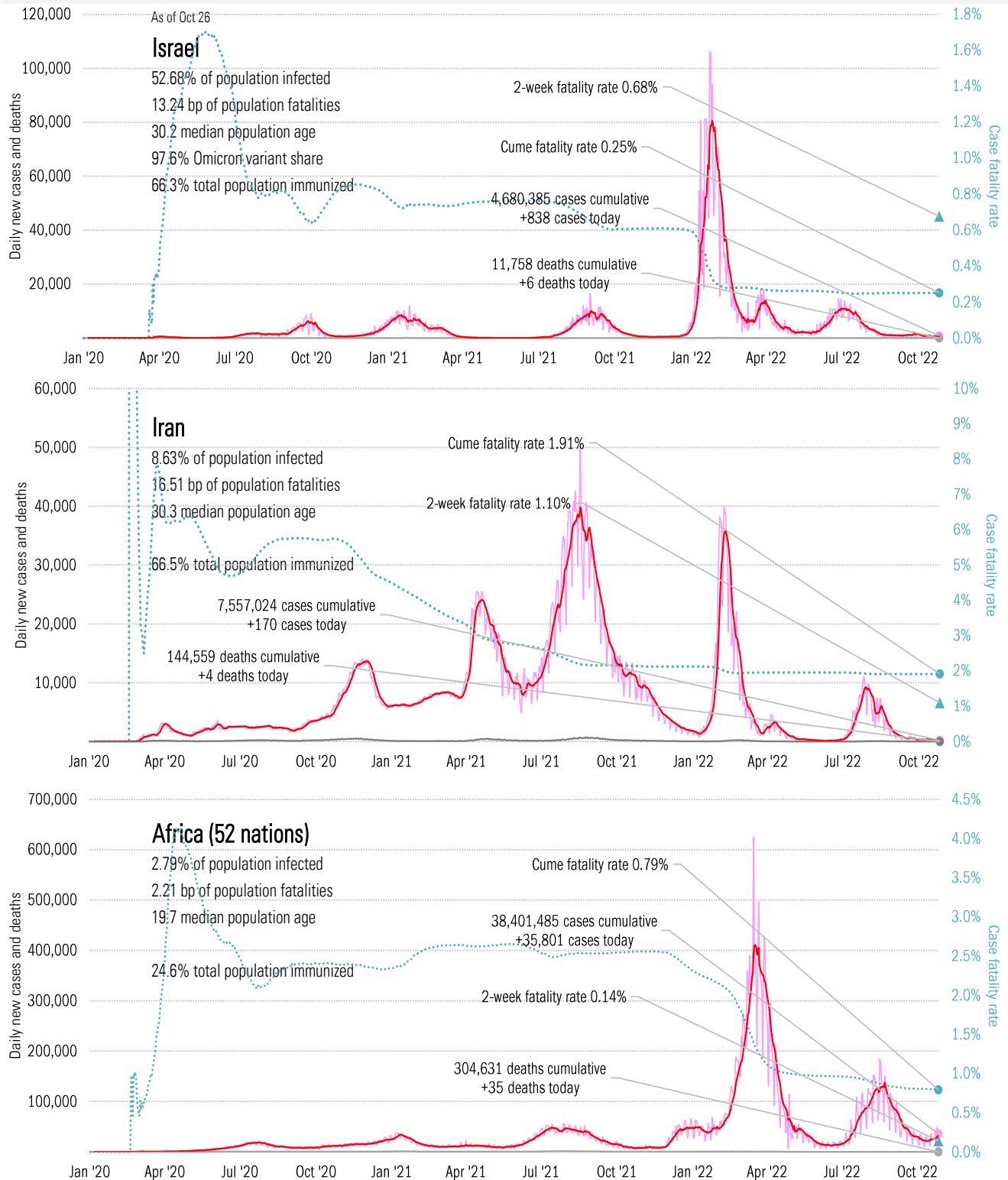
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

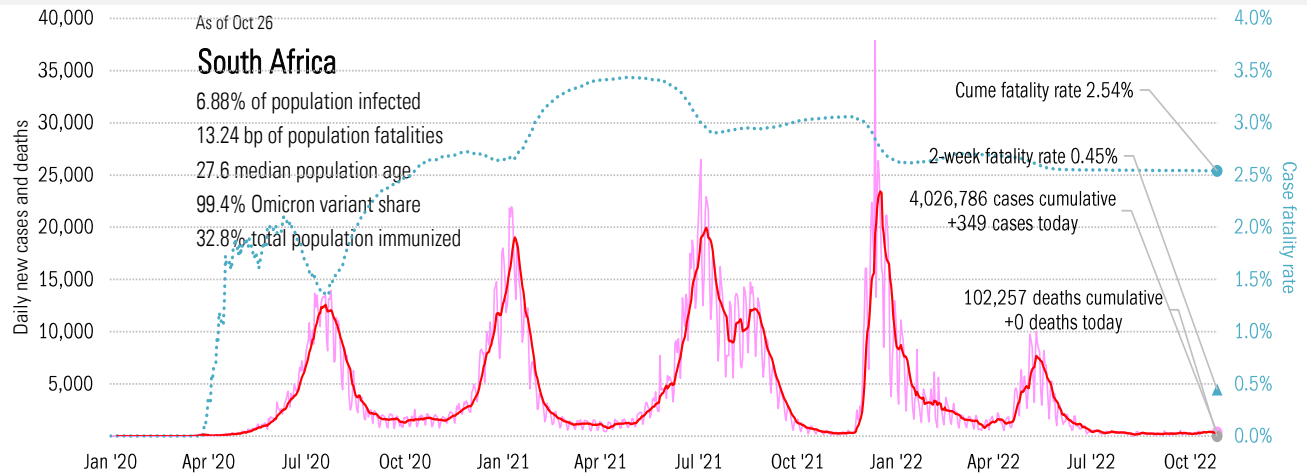
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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