

Data Insights: Covid-2019 Monitor

Wednesday, November 9, 2022

The global scorecard

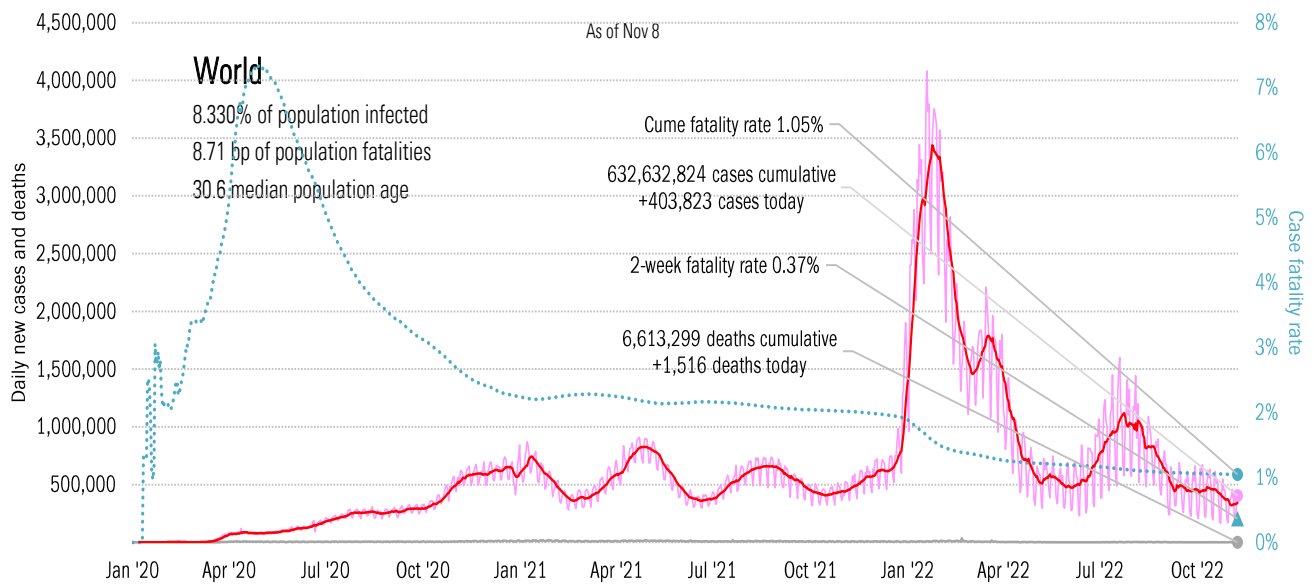
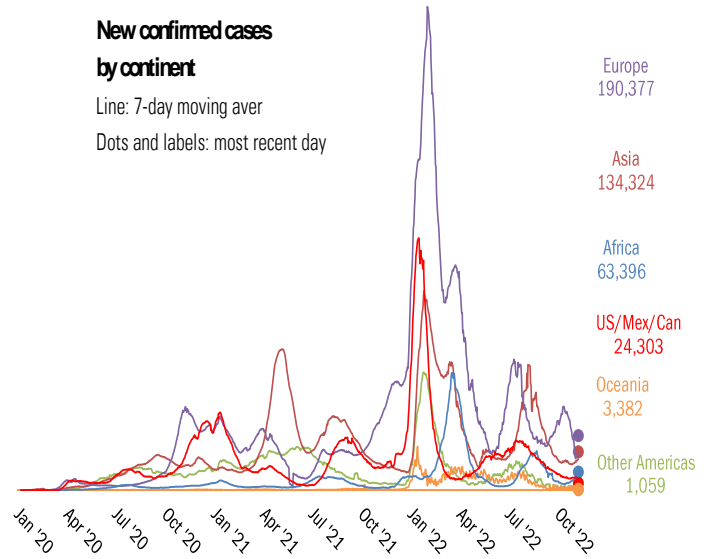
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	81,401	United States	304
Korea, South	62,472	Germany	227
Greece	61,398	Greece	138
Germany	47,820	France	117
France	40,592	Japan	70
United States	35,048	Russia	63
Taiwan*	24,958	Korea, South	59
Switzerland	20,957	Canada	58
China	7,998	Indonesia	38
Indonesia	6,601	Israel	17
389,245		1,091	
World	403,823	World	1,516
Top ten	96%	Top ten	72%

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

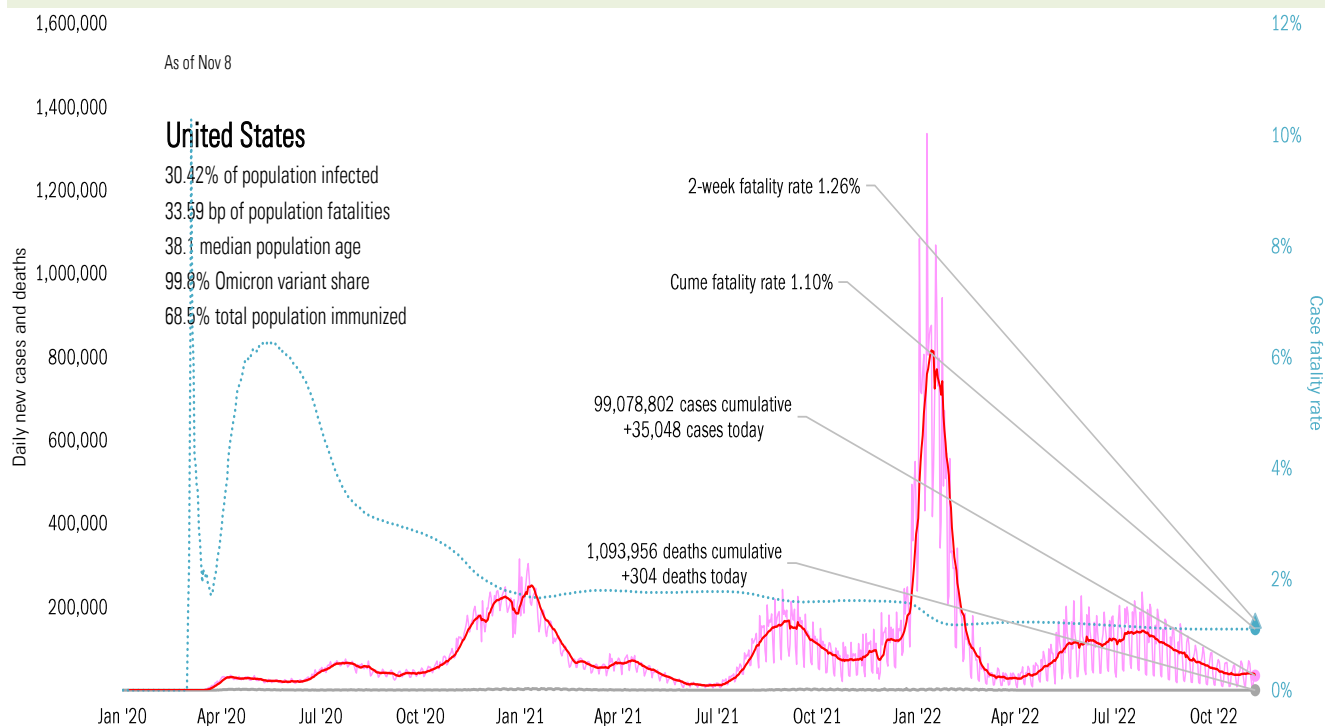
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
FL	3,308		FL	52	CA	300	CA	11,392,688	CA	97,013	TX	551,967	RI	89%	MA	84%					
NY	1,754		MO	49	AZ	80	FL	8,493,533	TX	91,239	CA	510,172	MA	87%	NH	83%					
CH	1,752		NY	47	GA	79	TX	8,052,099	FL	82,640	FL	500,242	WA	84%	AK	82%					
NJ	1,739		PA	19	OR	31	NY	6,285,250	NY	73,369	NY	313,273	MN	84%	GA	82%					
MI	1,664		ME	19	NM	27	IL	3,828,639	PA	47,840	GA	228,540	DE	82%	TX	81%					
KY	1,611		CT	15	TN	49	PA	3,318,490	GA	40,696	CH	224,471	MO	81%	AL	81%					
IL	1,578		NJ	12	AK	8	NC	3,246,175	CH	40,249	PA	210,734	MD	81%	NC	81%					
CA	1,475		CO	10	NV	32	CH	3,197,300	IL	40,064	IL	192,490	NH	81%	DC	80%					
NC	1,248		GA	10	OK	30	GA	2,924,732	MI	39,406	MI	167,853	HI	81%	VT	79%					
CO	1,127		CA	8	PA	199	MI	2,897,827	NJ	34,952	KY	146,925	AK	80%	RI	78%					
17,256			241			835			53,636,733			587,468			3,046,667						
All states	35,048		304		3,102		All states	99,078,802	1,093,956		5,532,026		All states	70%	67%						
Top ten	49%		79%		27%		Top ten	54%	55%		55%		Median	76%	72%						

Some states not reporting

Five most improved US states

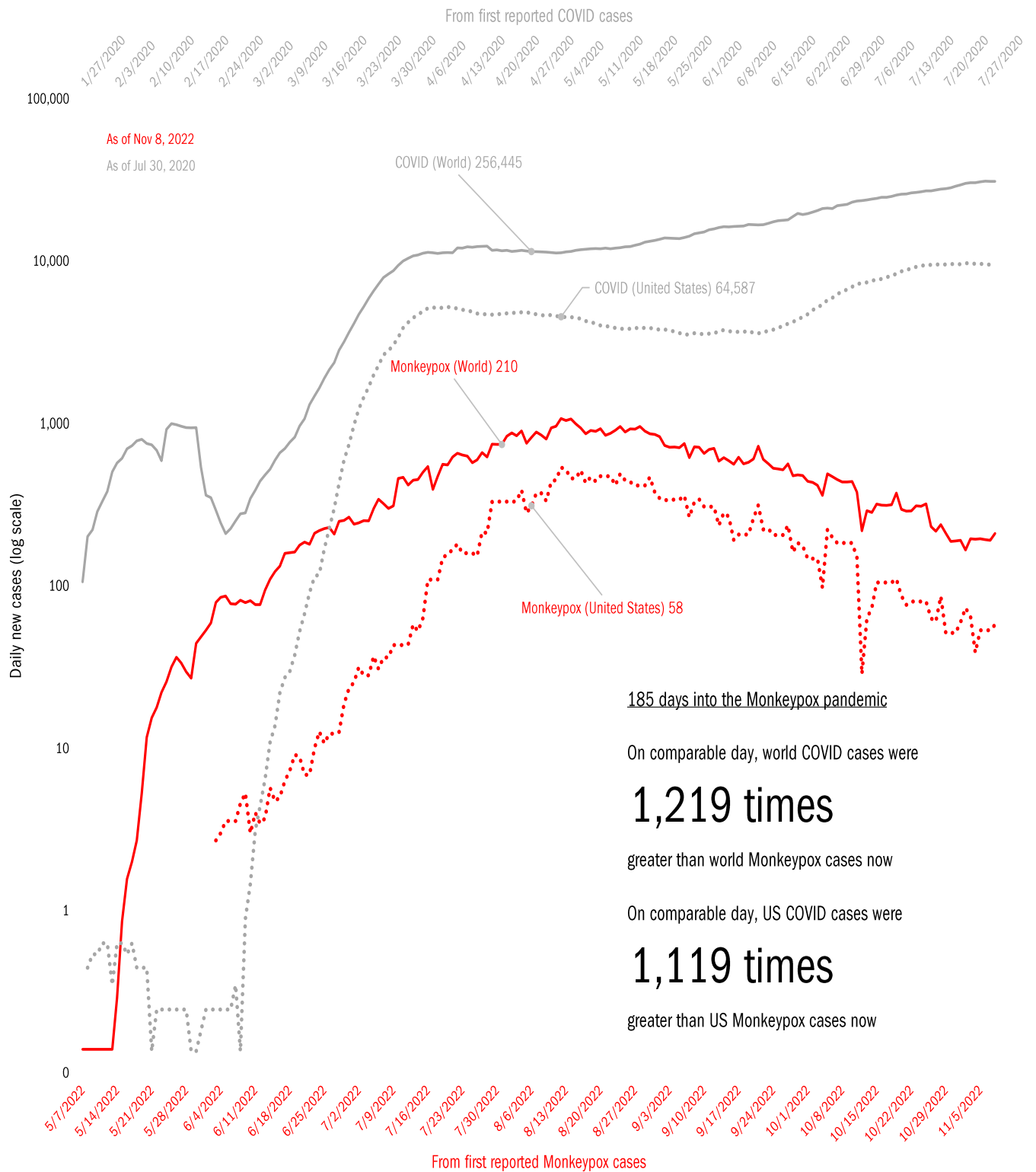
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-6,814	WA	-20	NY	-87
TX	-3,342	TX	-13	NJ	-66
CA	-1,525	WI	-11	IL	-42
CO	-1,107	WV	-2	CO	-37
NH	-30	MD	-1	WI	-27



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

The Monkeypox contextualizer

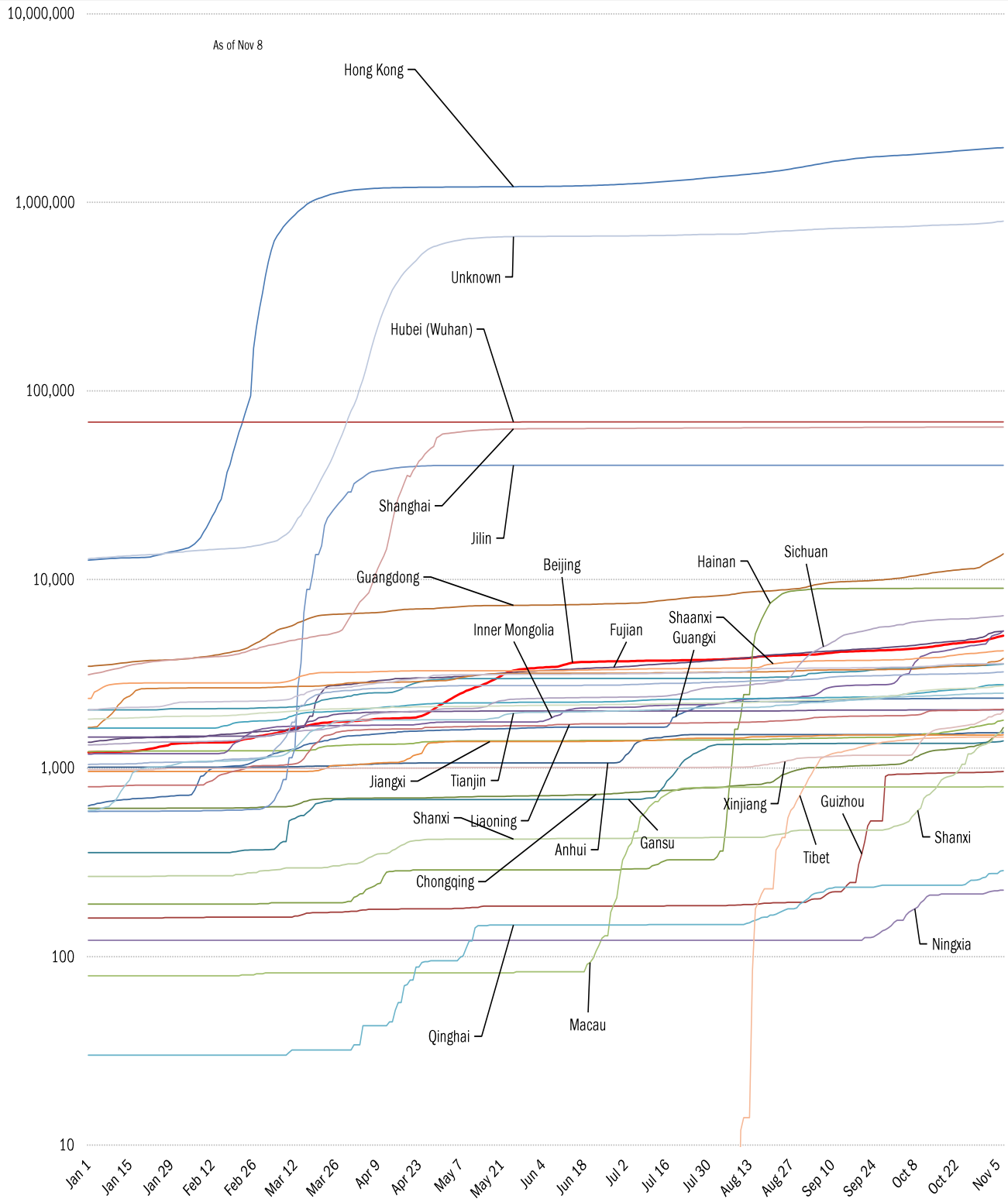
The course of case growth versus COVID



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"

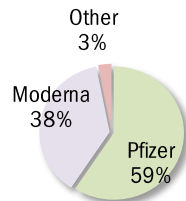


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	656,977,463		+0.593 million		US	68.5%	80.2%	
			+0.496 million		UK	75.2%	79.7%	
			Of which boosters:		France	78.3%	80.5%	
	One dose	% Pop	Immune	% pop	New immune today	Spain	85.5%	86.9%
Total population	274,705,371	82%	234,124,184	70%	+0.065 million	Germany	76.2%	77.7%
Age 12 to 17	18,319,705	72%	15,667,501	62%	+0.004 million	Italy	81.3%	86.1%
Age 18 to 64	182,917,151	90%	155,498,376	76%	+0.036 million	Australia	83.2%	85.7%
Age 65 and over	60,550,804	100%	53,022,806	97%	+0.016 million	Israel	65.2%	71.1%
						Canada	82.3%	88.2%
						Japan	83.0%	84.1%
						Africa	24.7%	30.7%
						India	67.1%	72.5%
						Brazil	80.0%	87.0%
						China	89.2%	91.4%



AK	72.2%
	64.6%

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

WI	74.2%
	67.5%

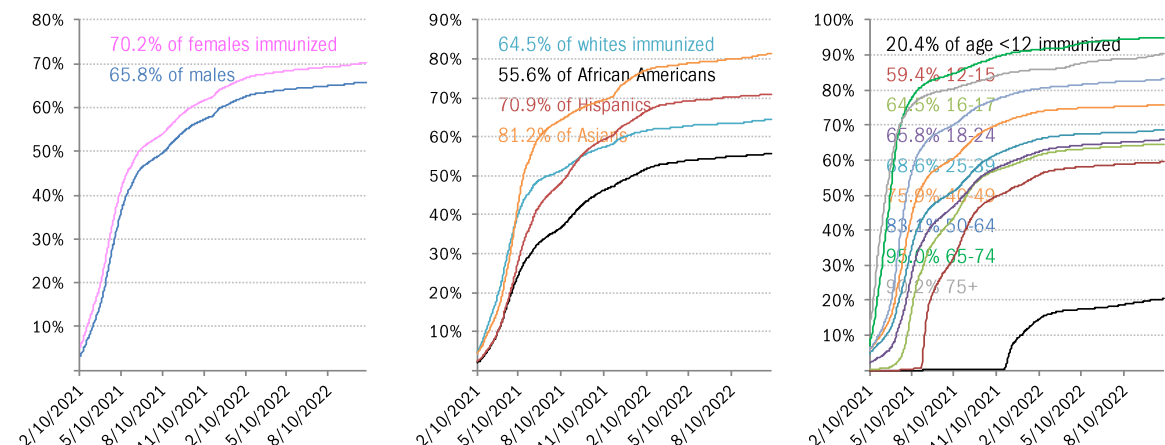
As of Nov 4

ME	95.0%
	82.3%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
84.1%	63.2%	67.5%	68.4%	77.8%	78.4%	68.8%	93.2%	95.0%	86.2%	
75.1%	55.9%	58.6%	57.8%	71.3%	70.6%	61.8%	79.7%	84.3%	70.4%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
80.4%	77.9%	60.1%	82.0%	69.9%	63.7%	65.1%	88.8%	93.5%	95.0%	
71.5%	62.8%	52.6%	65.1%	63.7%	57.2%	59.9%	71.9%	78.2%	82.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
85.2%	74.5%	82.6%	72.5%	68.5%	68.2%	66.9%	89.2%	90.3%	95.0%	95.0%
74.3%	66.1%	72.7%	65.4%	58.2%	59.1%	59.2%	75.7%	78.6%	82.1%	86.5%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
76.1%	92.4%	75.2%	69.0%	63.9%	90.0%	70.2%	95.0%	86.5%		
65.3%	74.1%	64.4%	56.2%	55.9%	65.6%	59.2%	83.2%	71.9%		
OK	LA	MS	AL	GA						
73.7%	62.4%	61.2%	64.4%	67.5%						
59.7%	54.7%	53.3%	52.6%	56.6%						
TX										
75.1%										
62.5%										
HI										
90.4%										
80.7%										
FL										
81.6%										
68.8%										
PR										
95.0%										
86.3%										

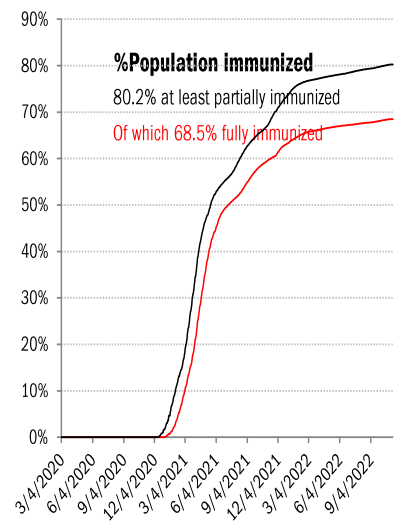
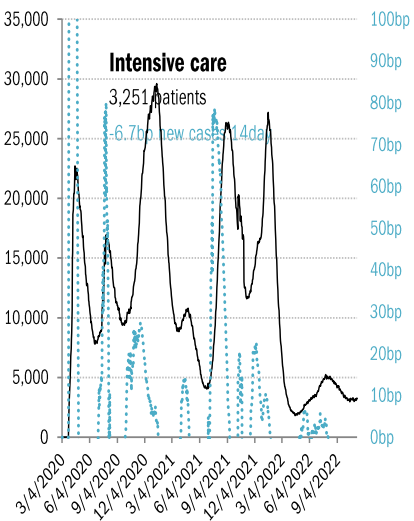
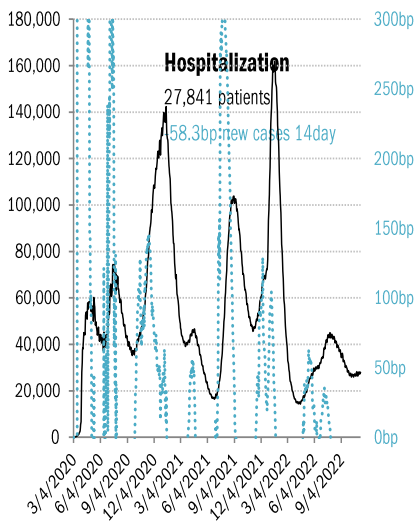
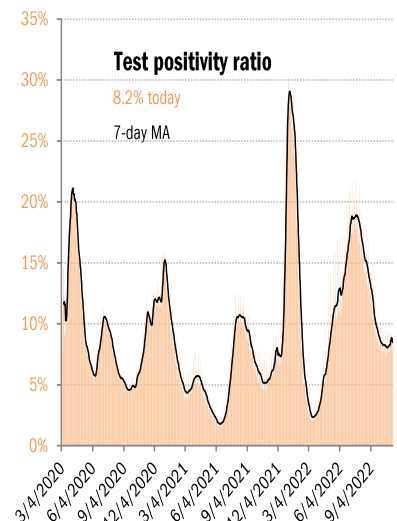
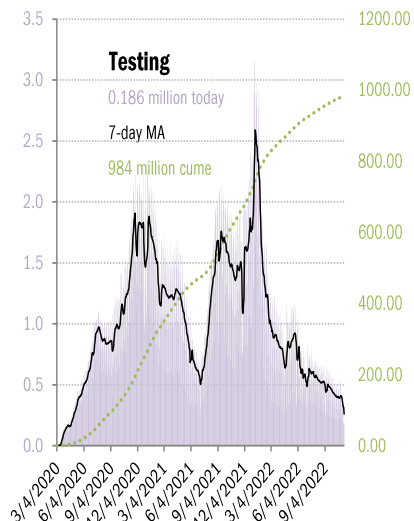
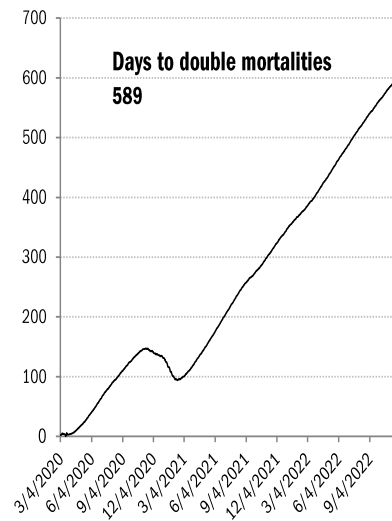
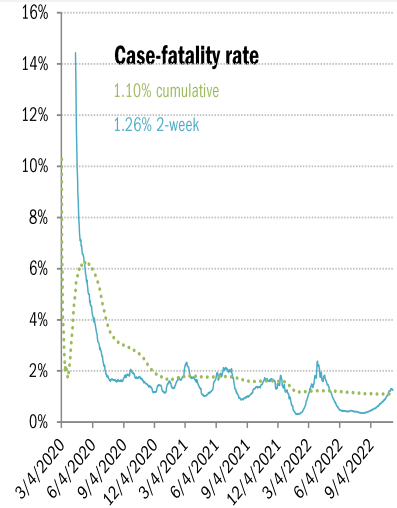
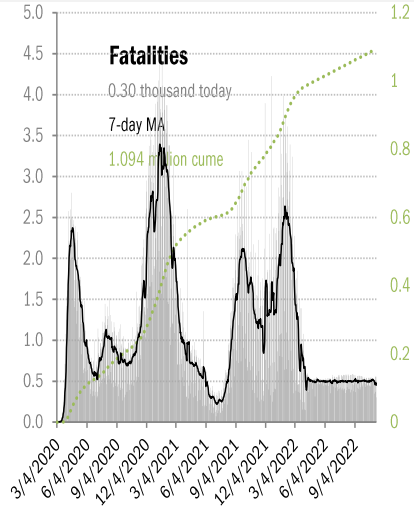
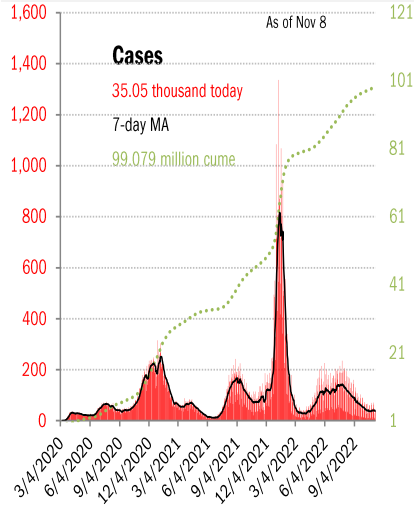
Global data differs due to sources, timing

The demographics of US vaccination

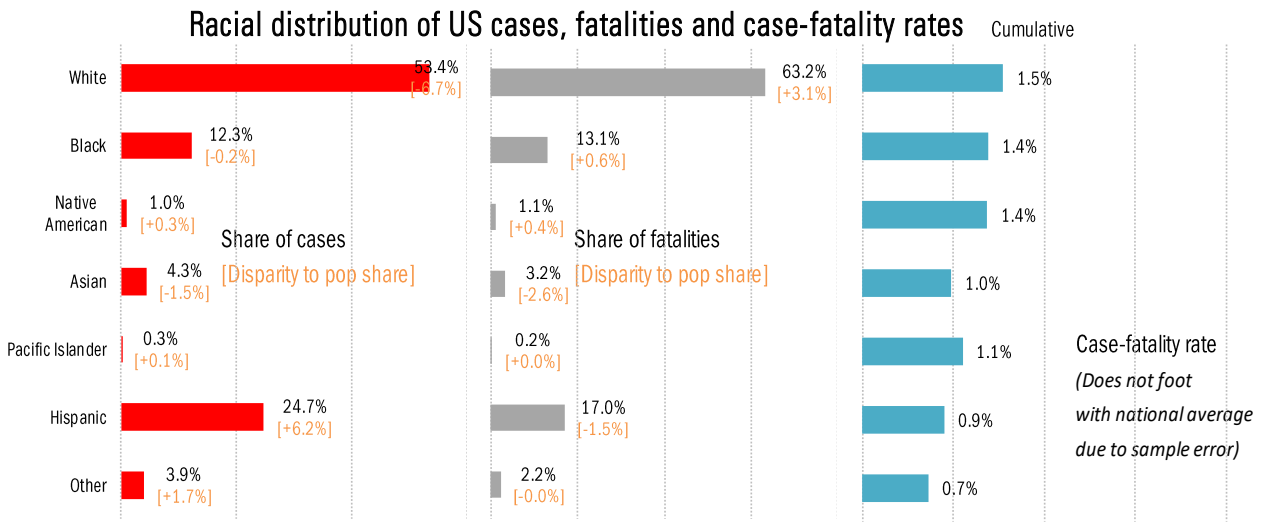
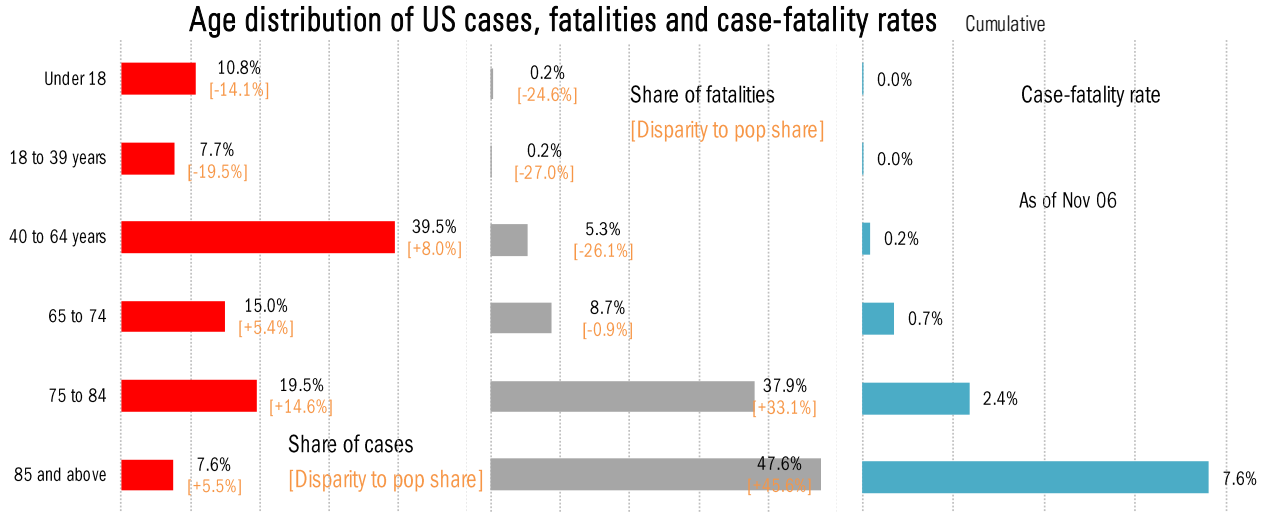


Source: CDC, CDC, Our World in Data, TrendMacro calculations

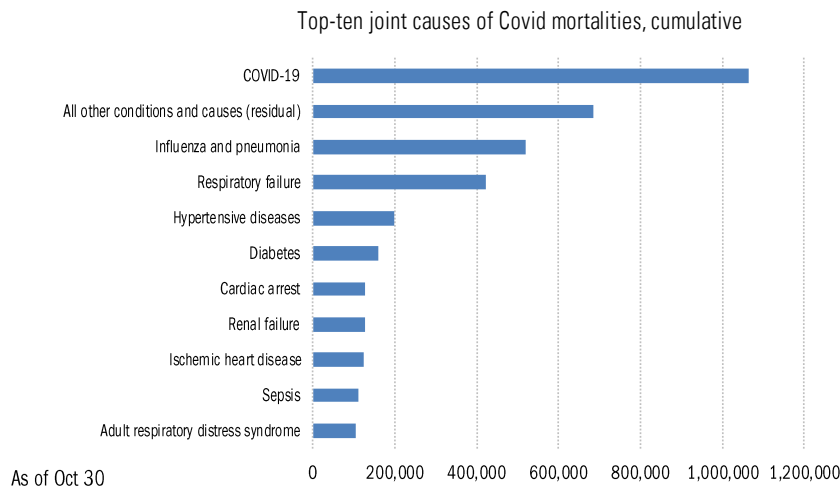
US deep-dive



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

[China's manufacturing hub Guangzhou partially locked down as Covid outbreak widens](#)

Nectar Gan
CNN
November 9, 2022

[Lockdowns Spread as New Omicron Variants Evade China's Zero-Covid Net](#)

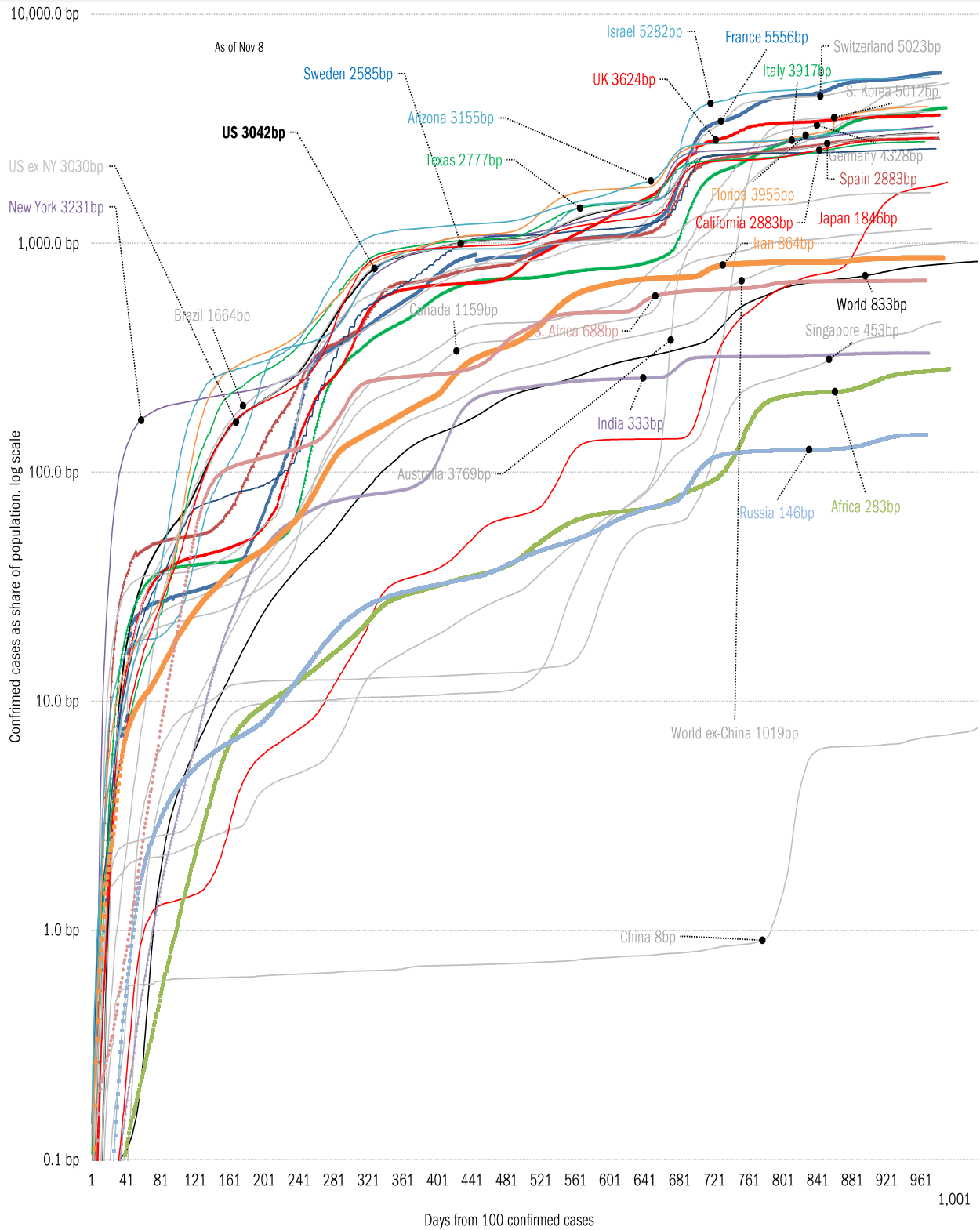
Brian Spegele
Wall Street Journal
November 9, 2022

Meme of the day



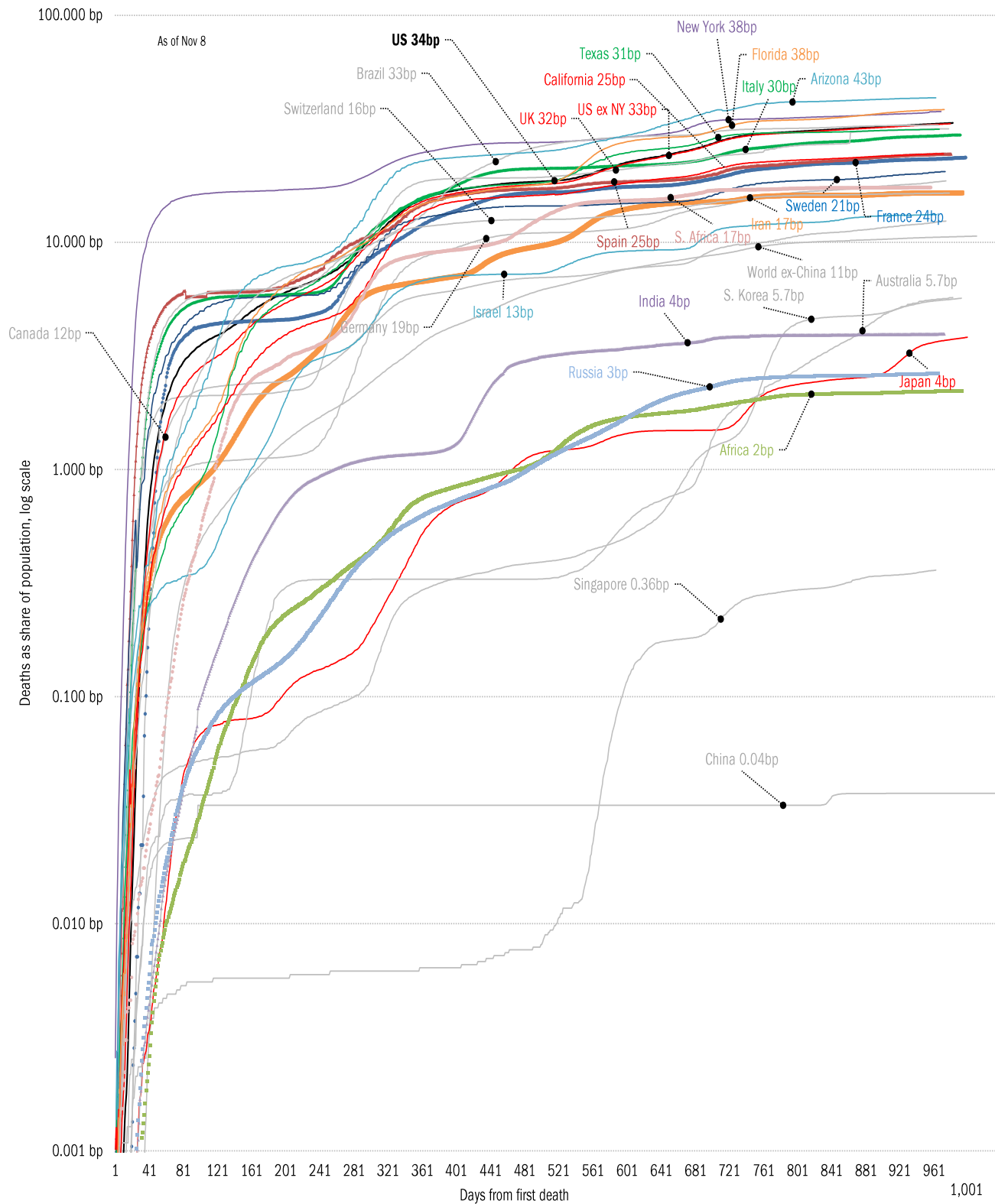
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

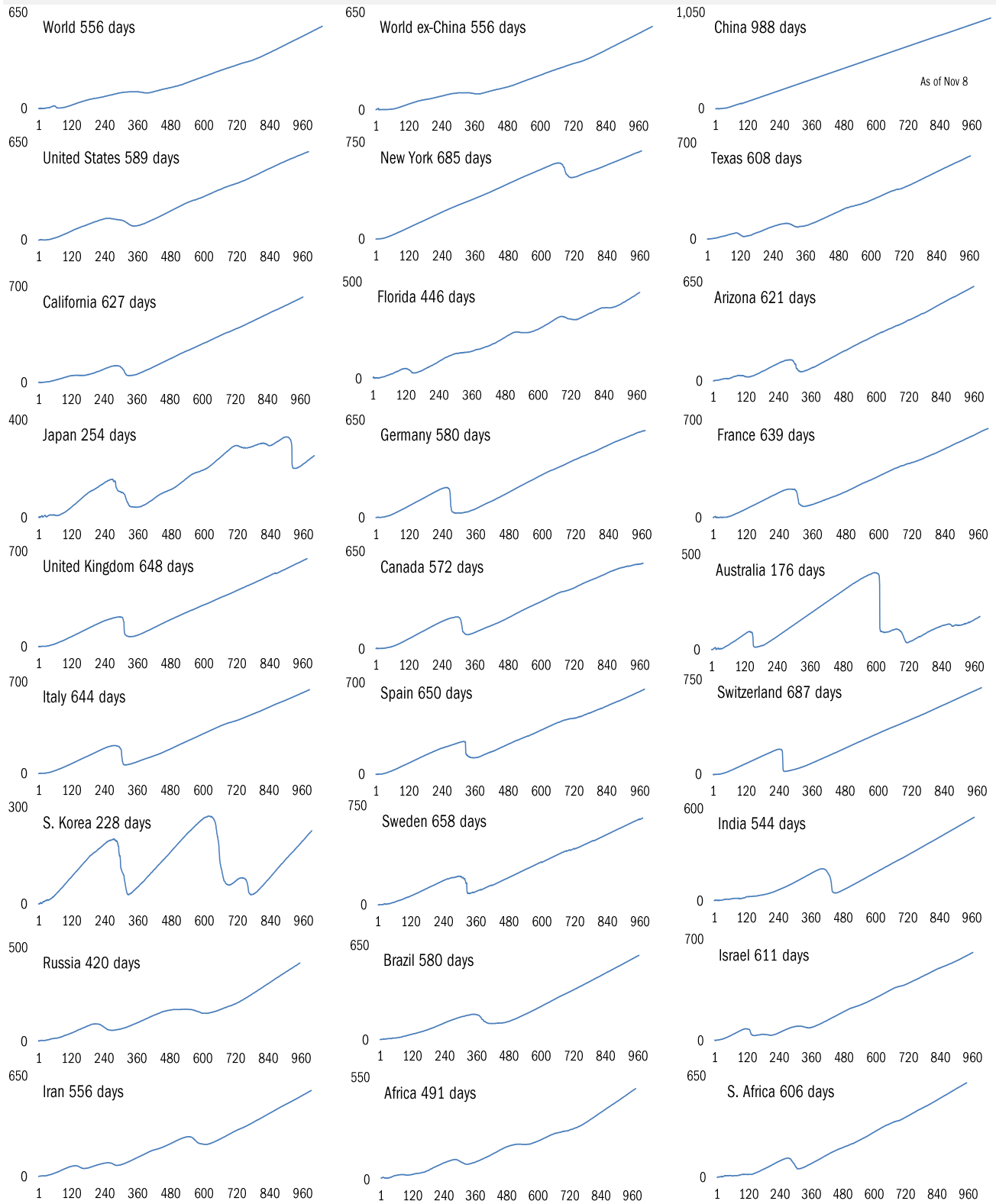


Source: [Johns Hopkins](#), TrendMacro calculations

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

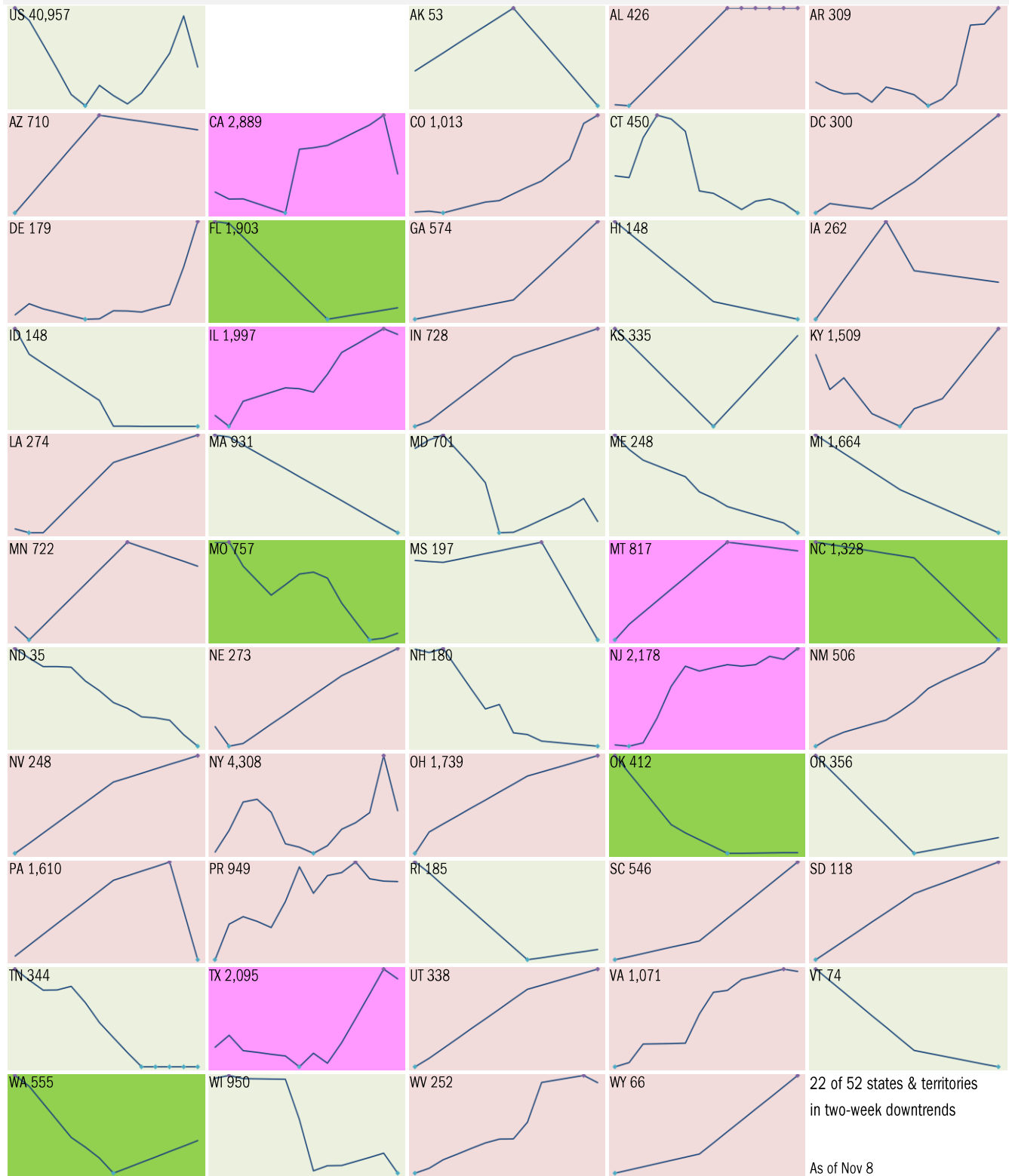


Source: [Johns Hopkins](#), TrendMacro calculations

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

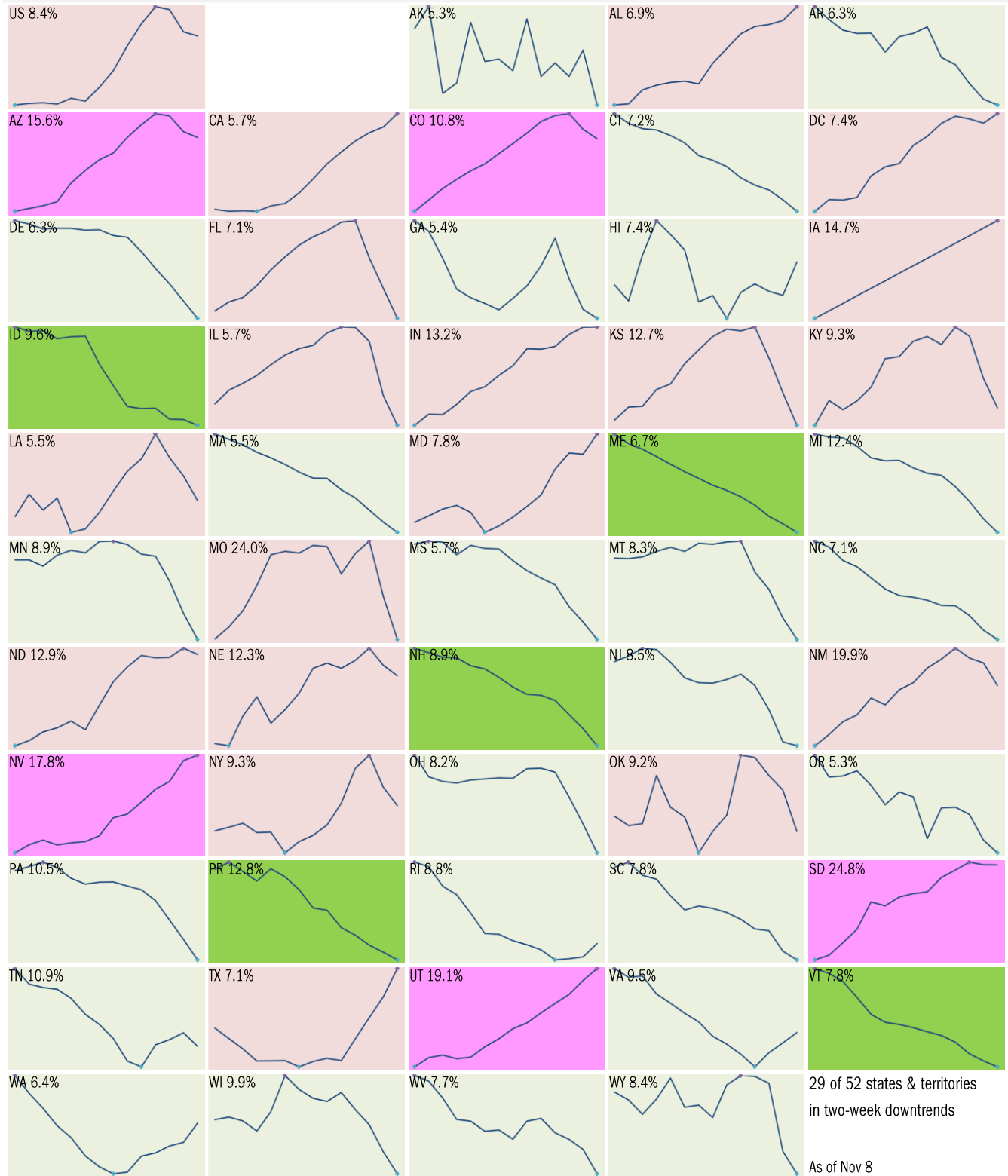


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

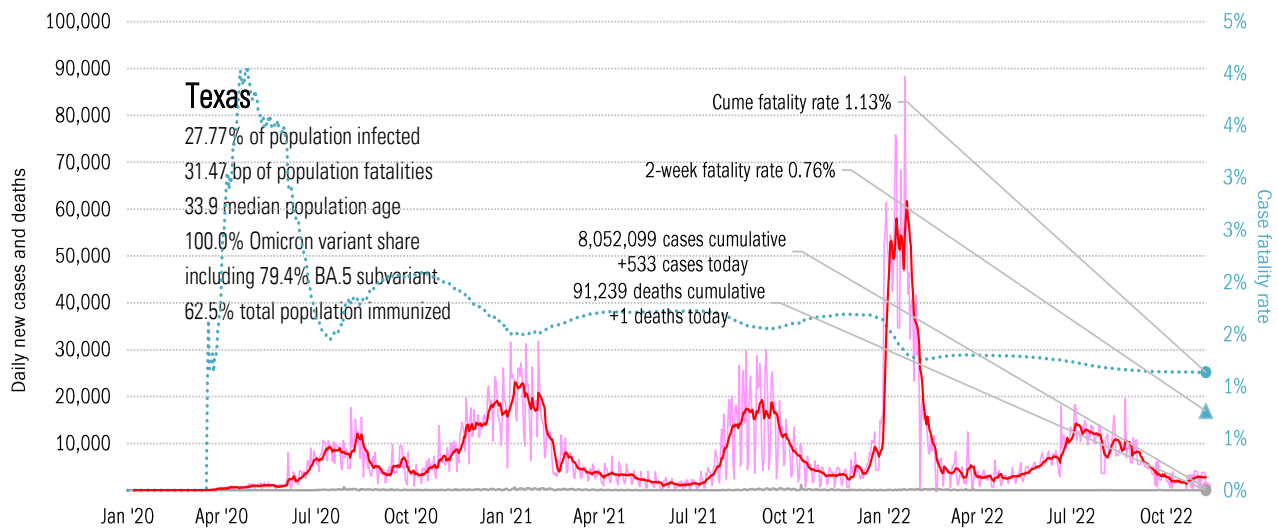
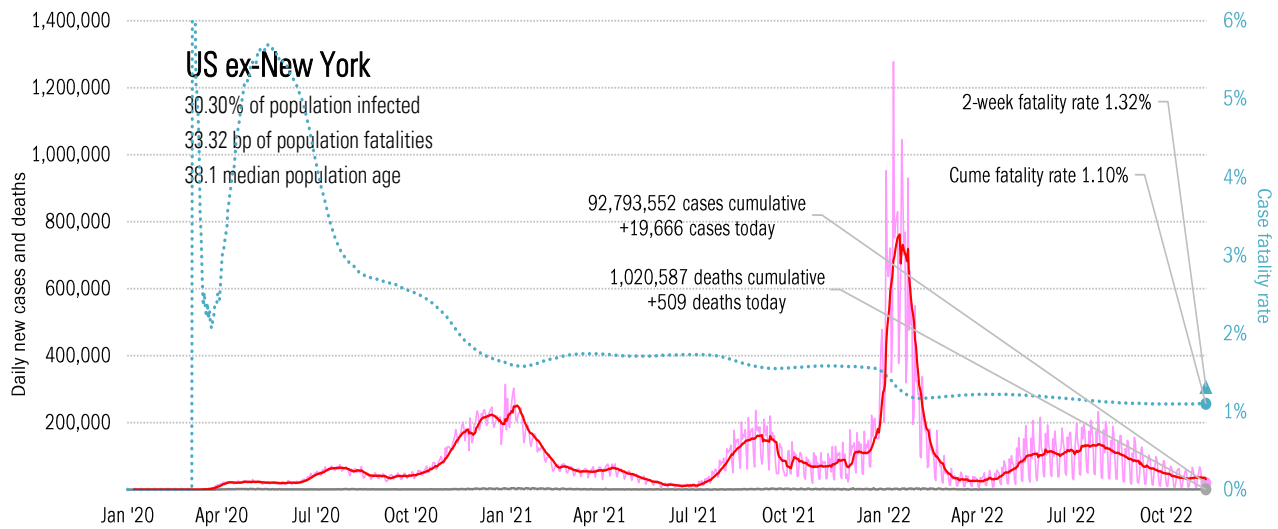
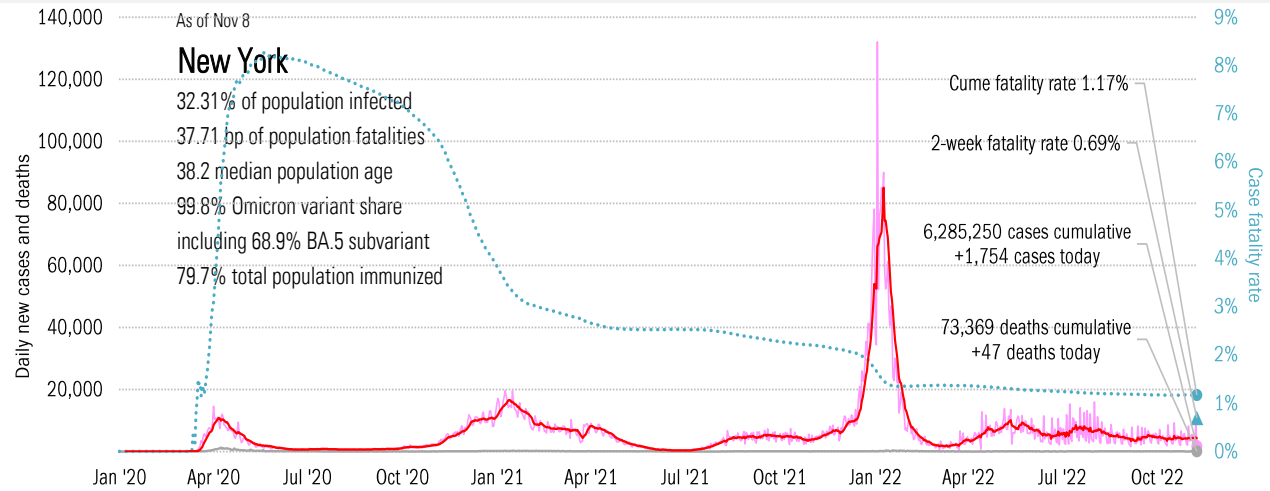
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

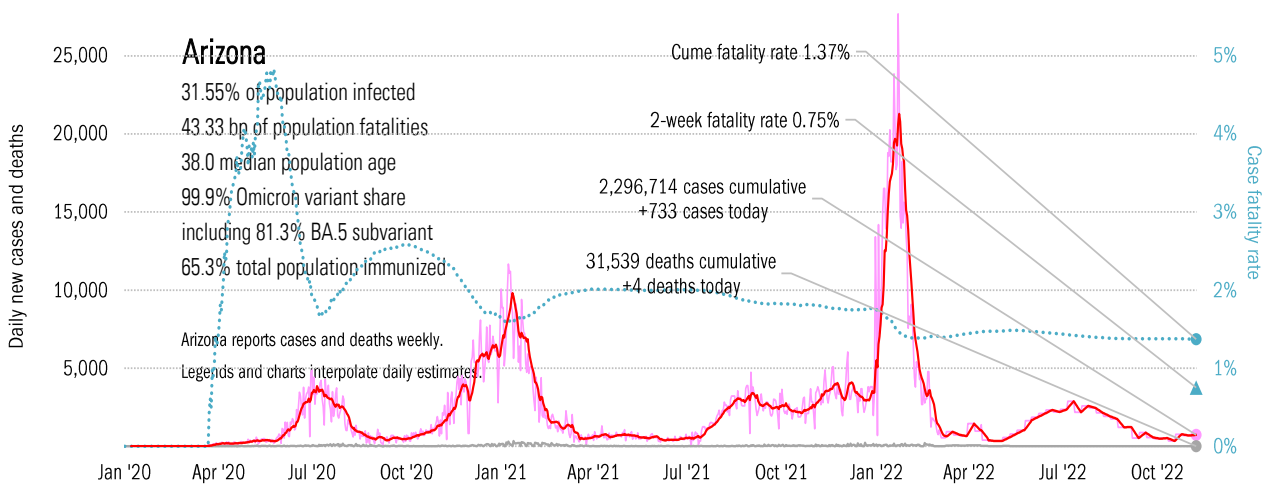
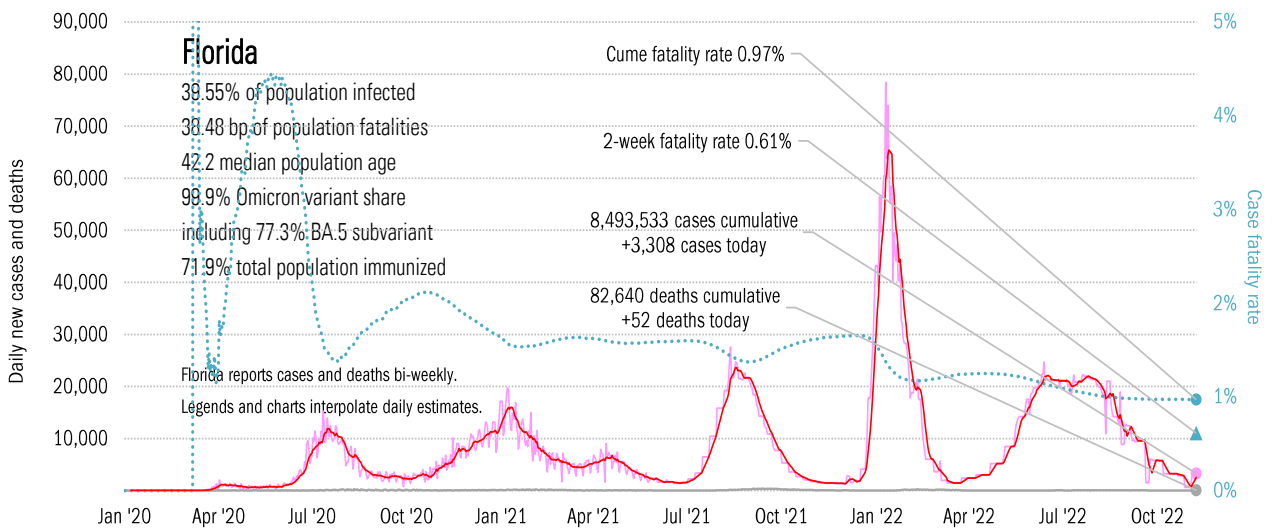
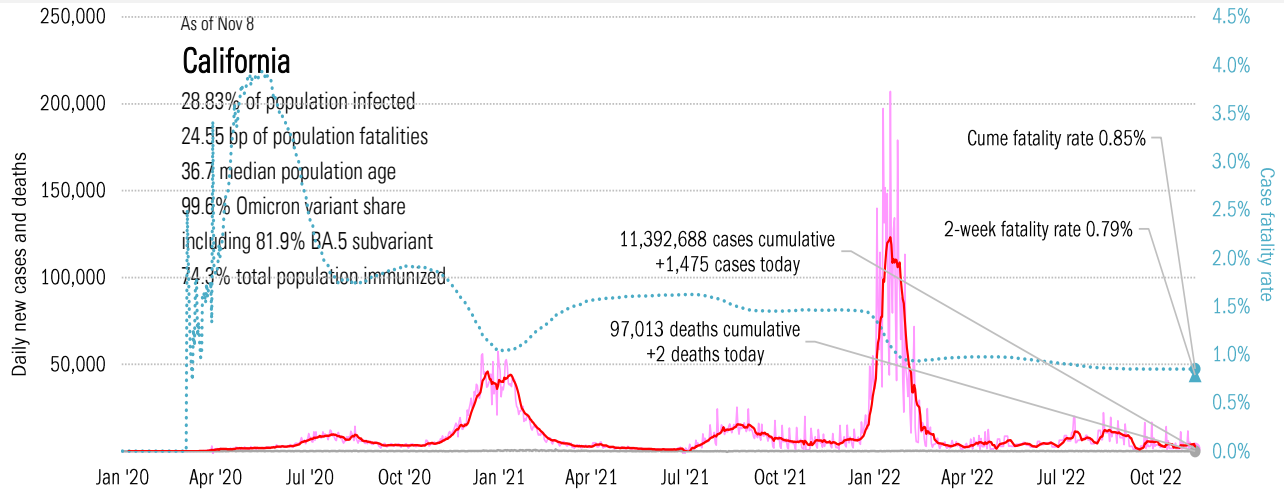
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

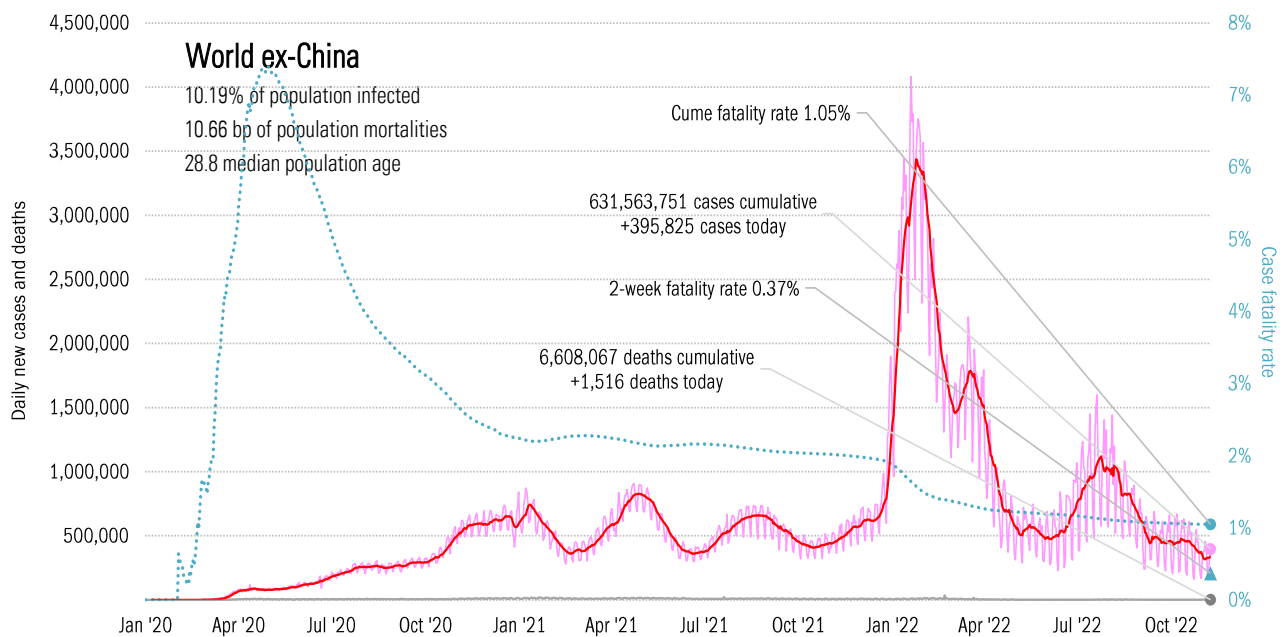
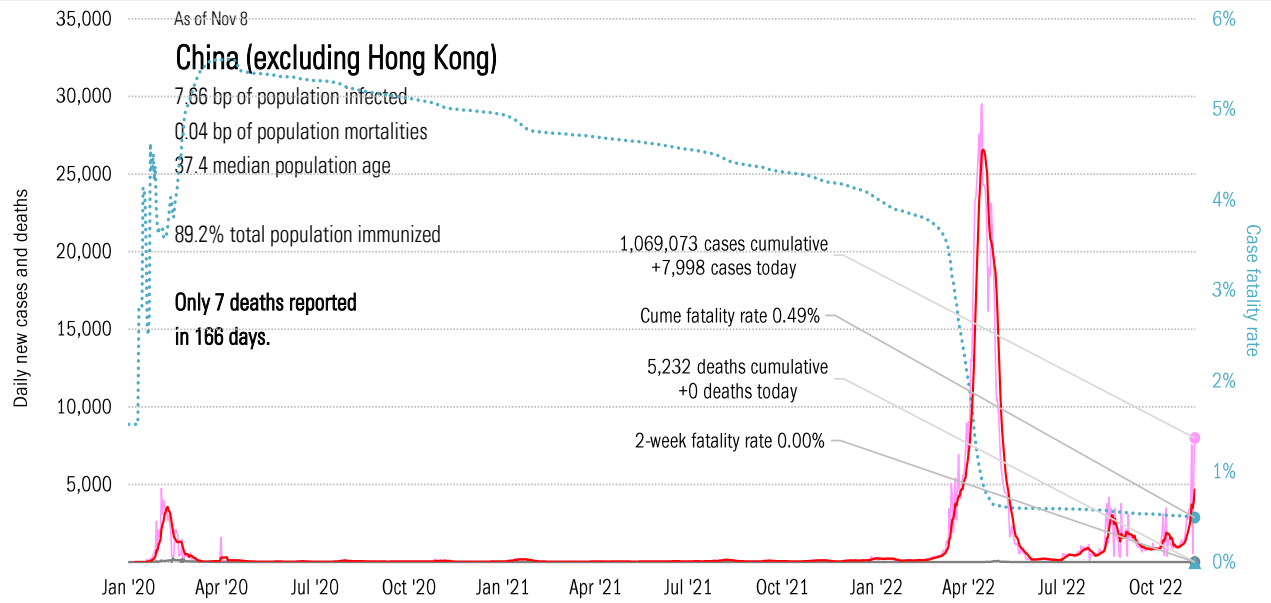
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

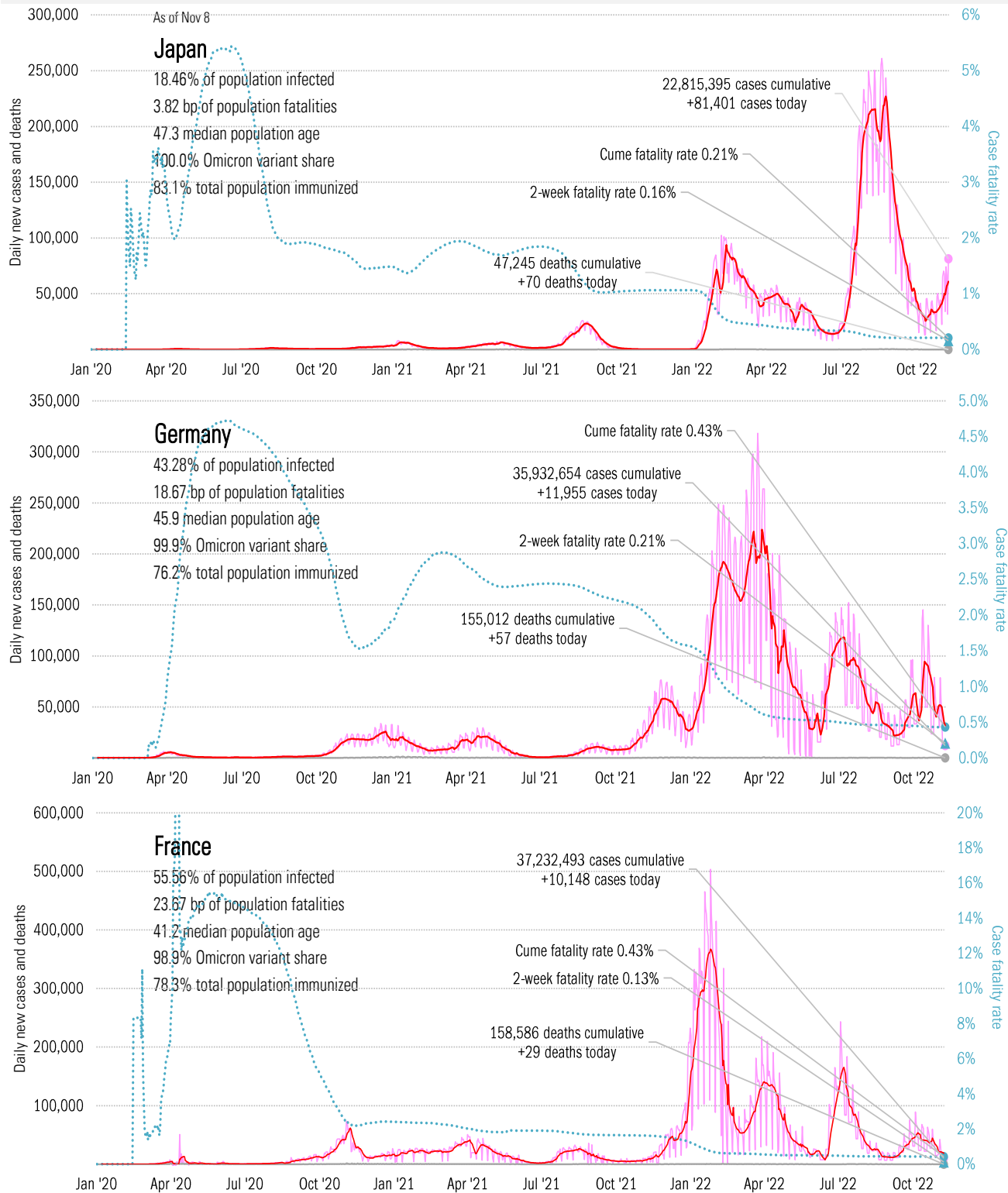
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

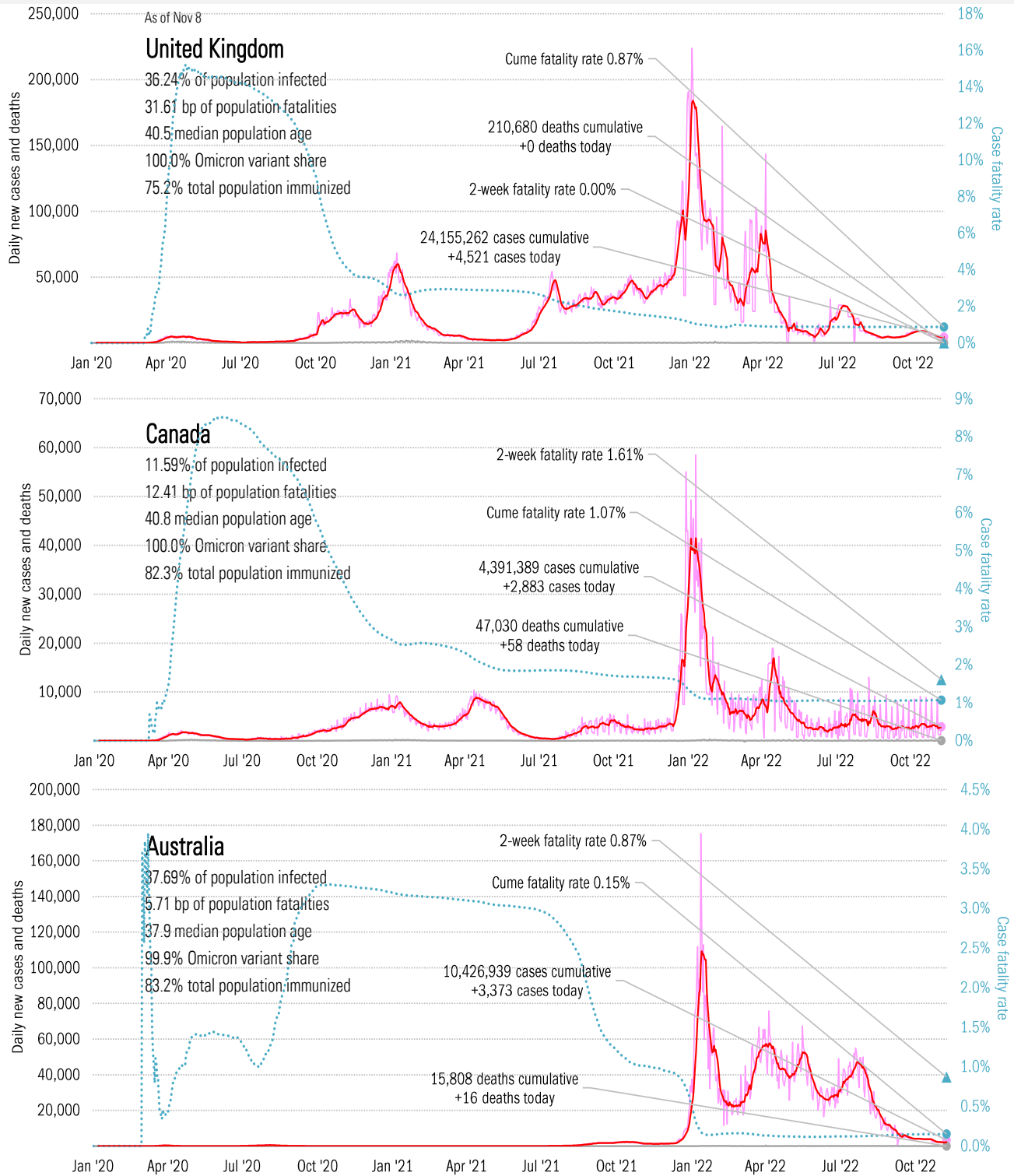
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

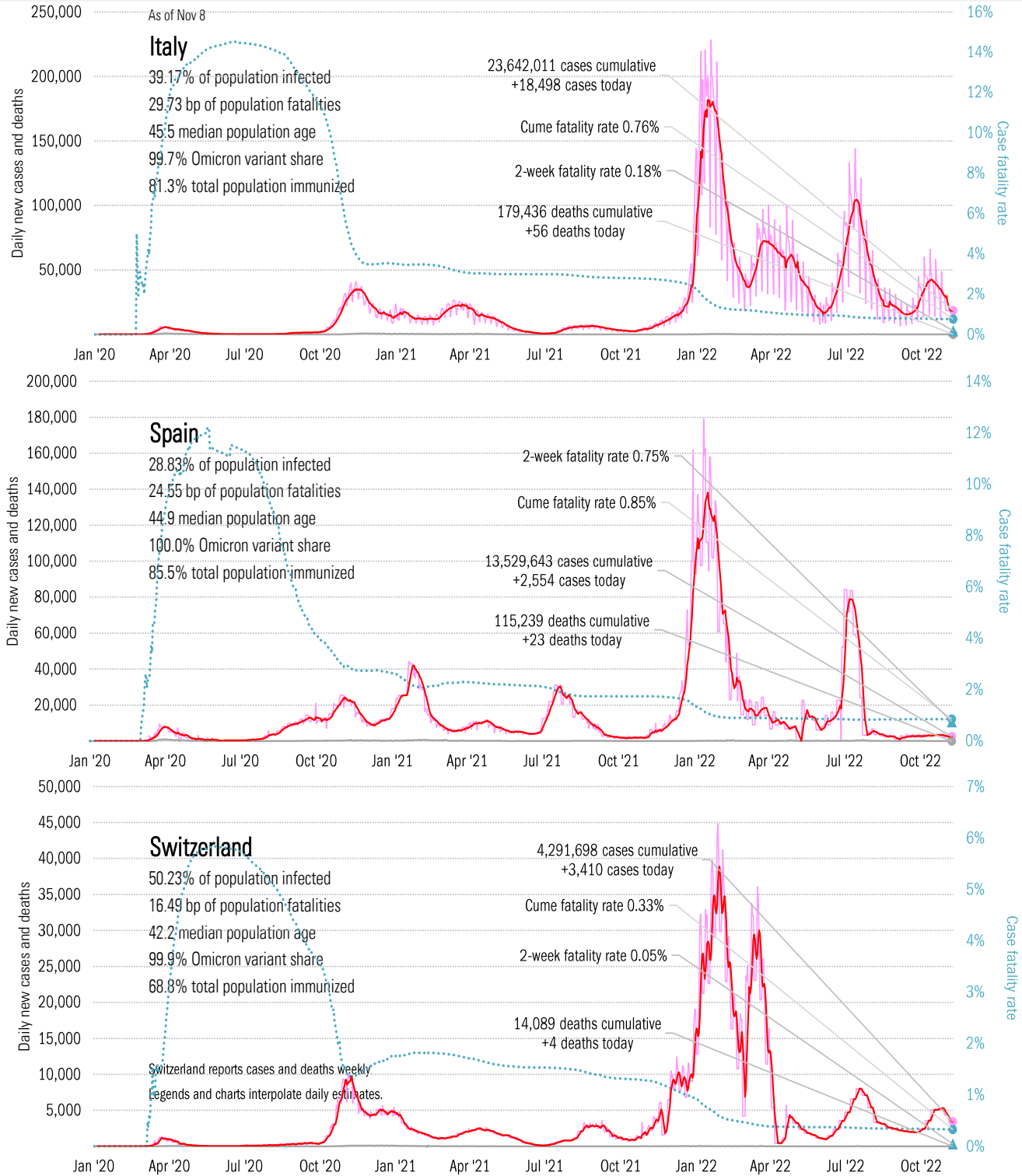
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

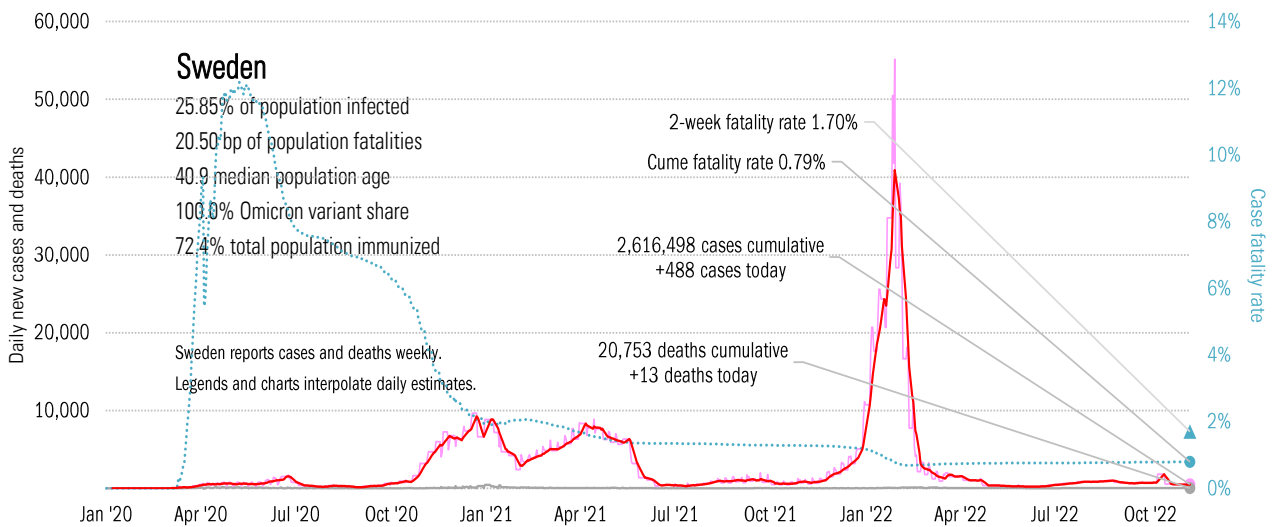
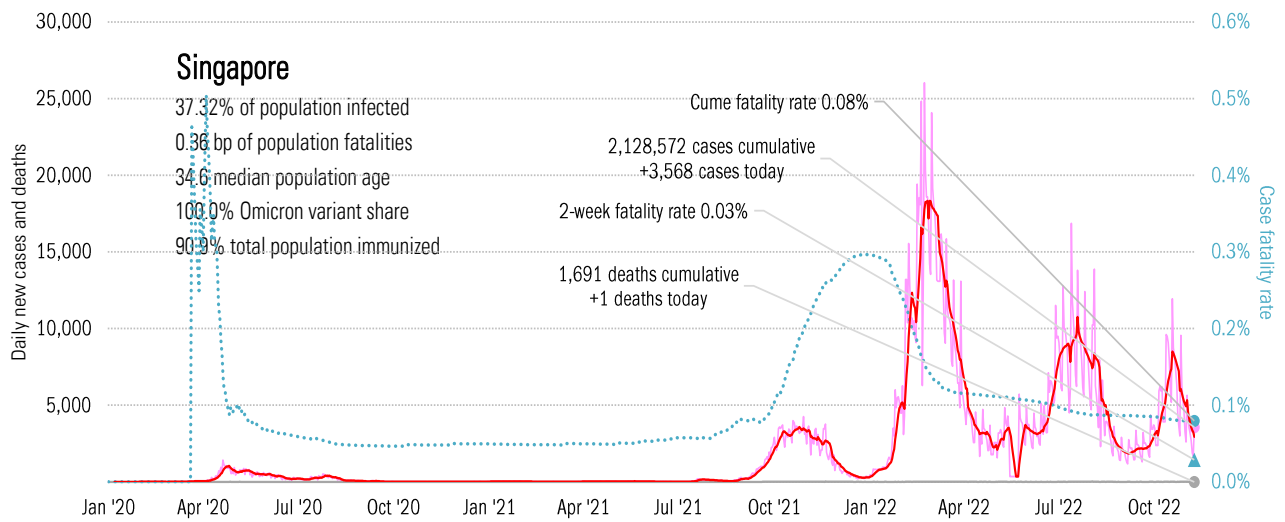
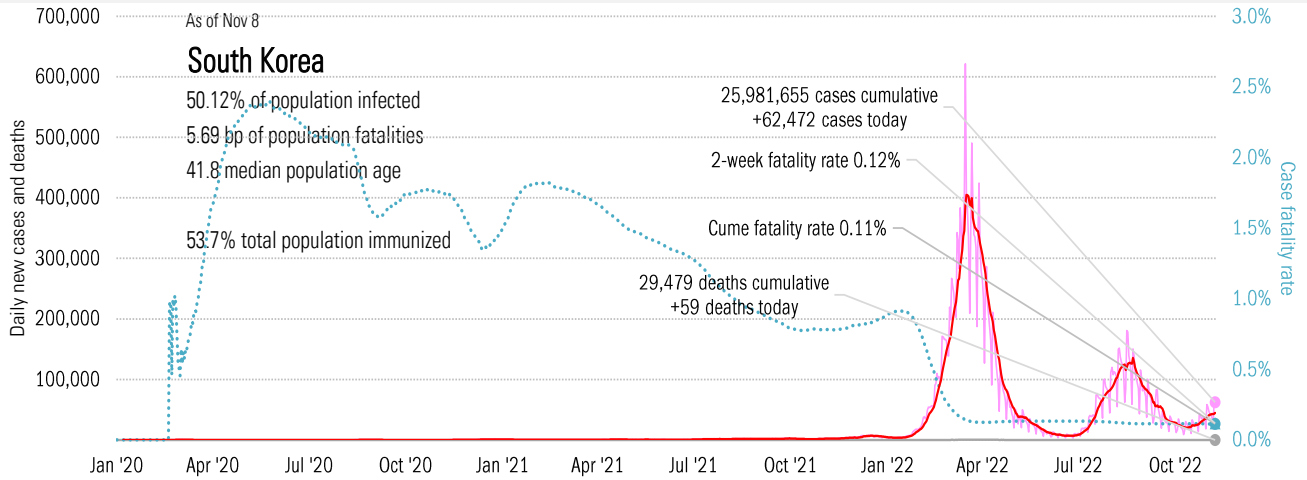
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

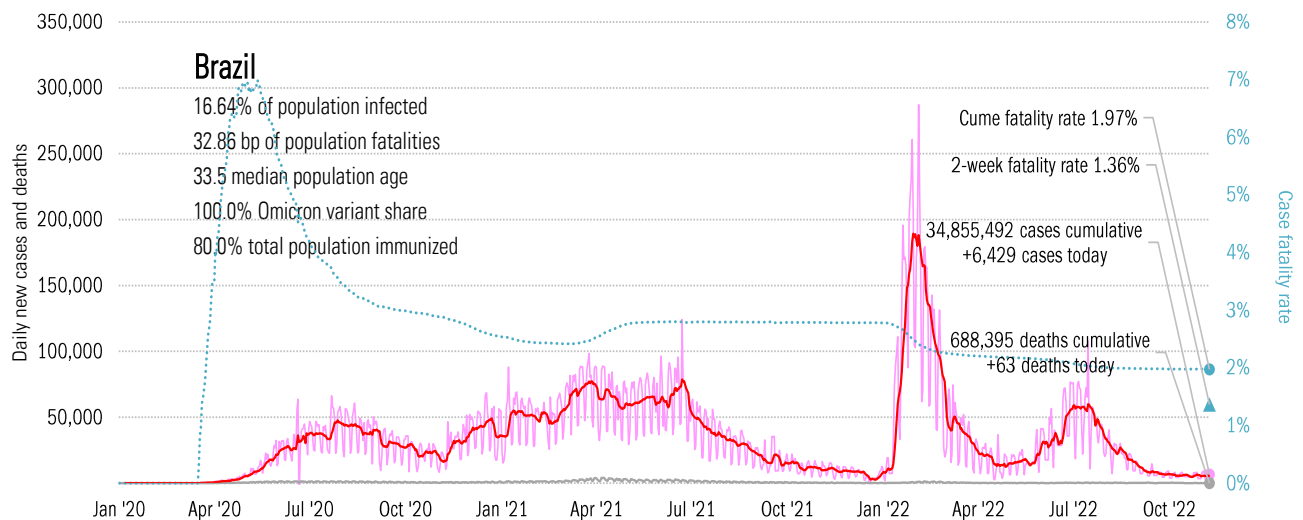
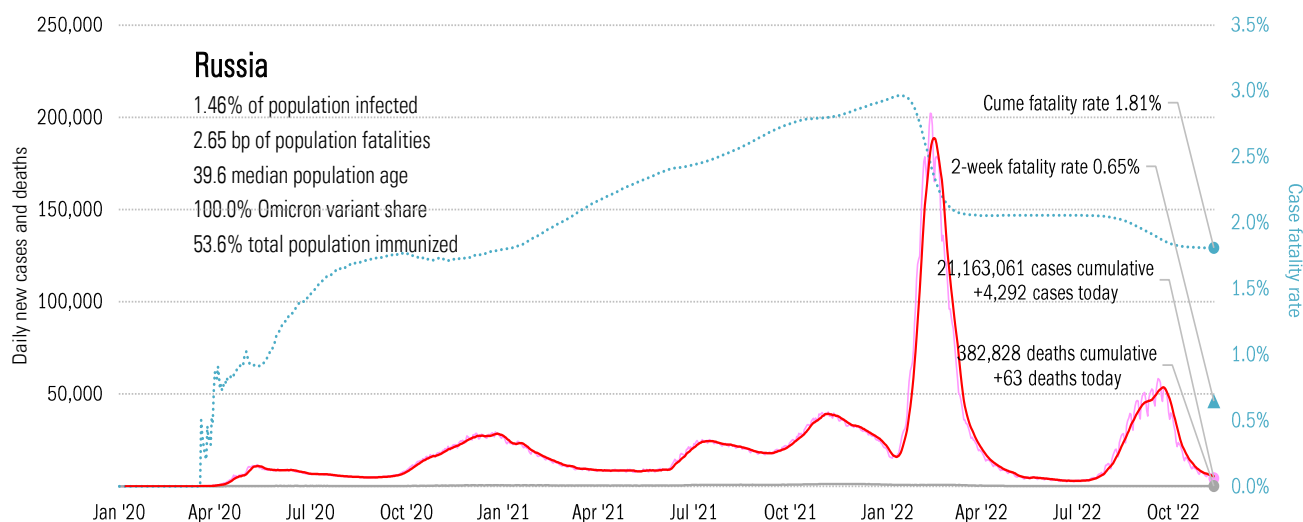
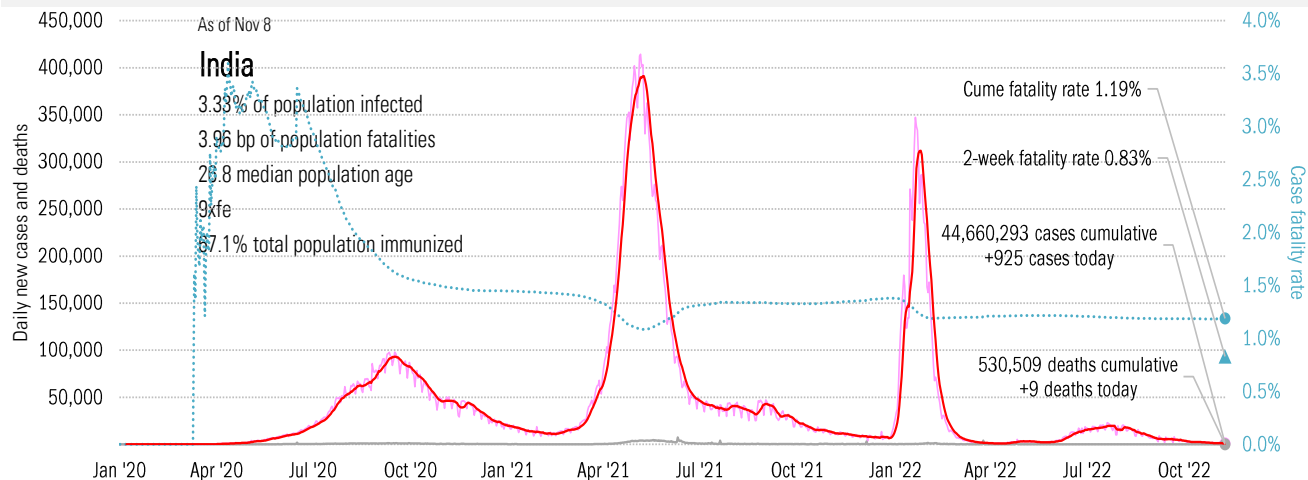
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

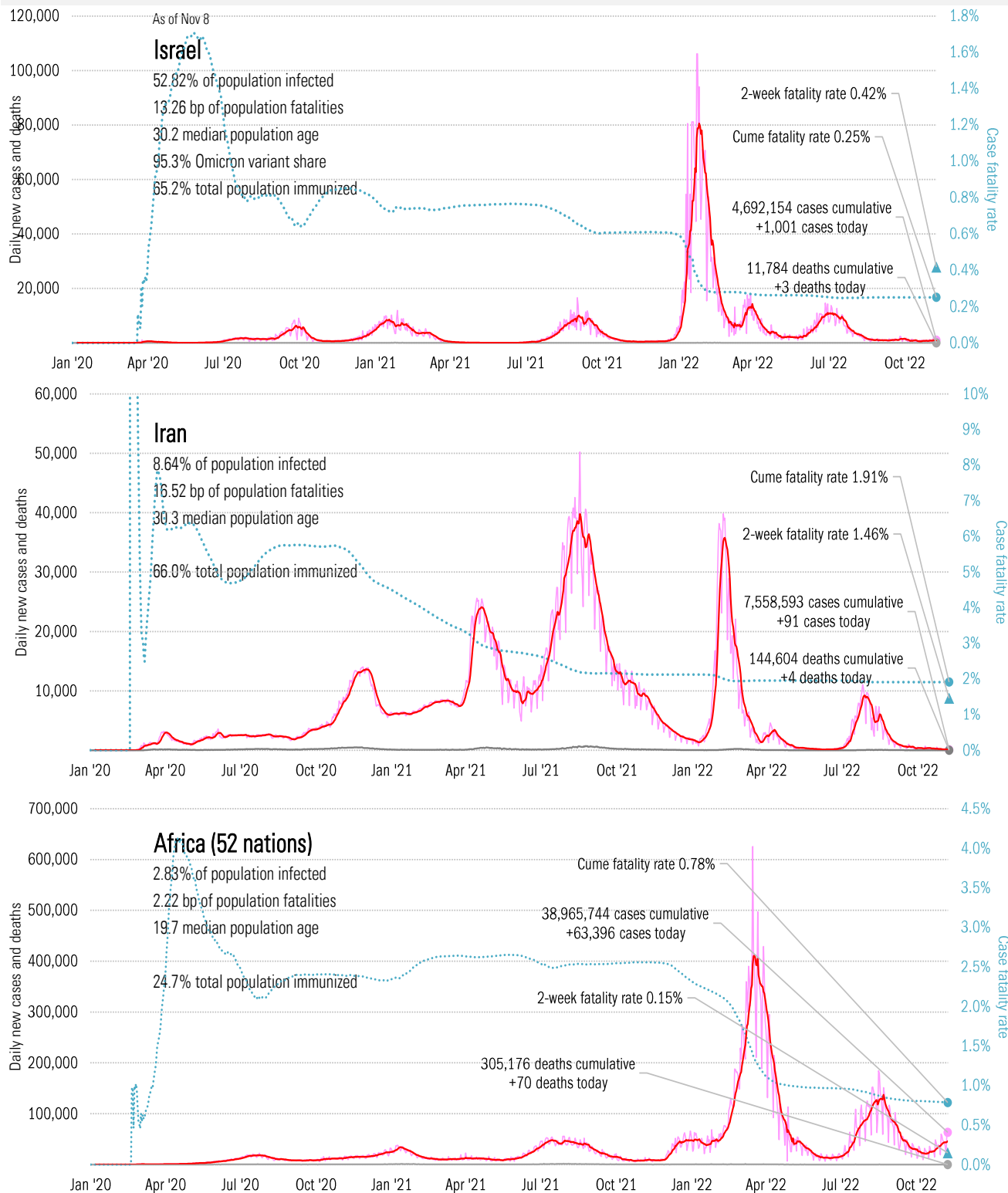
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

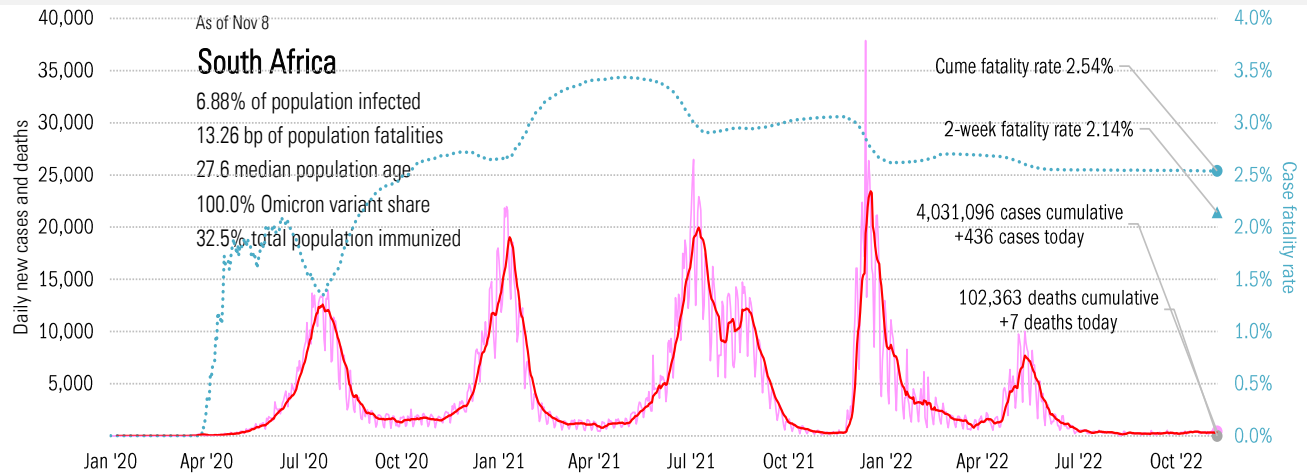
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), Trend Macro calculations