

Data Insights: Covid-2019 Monitor

Sunday, November 27, 2022

The global scorecard

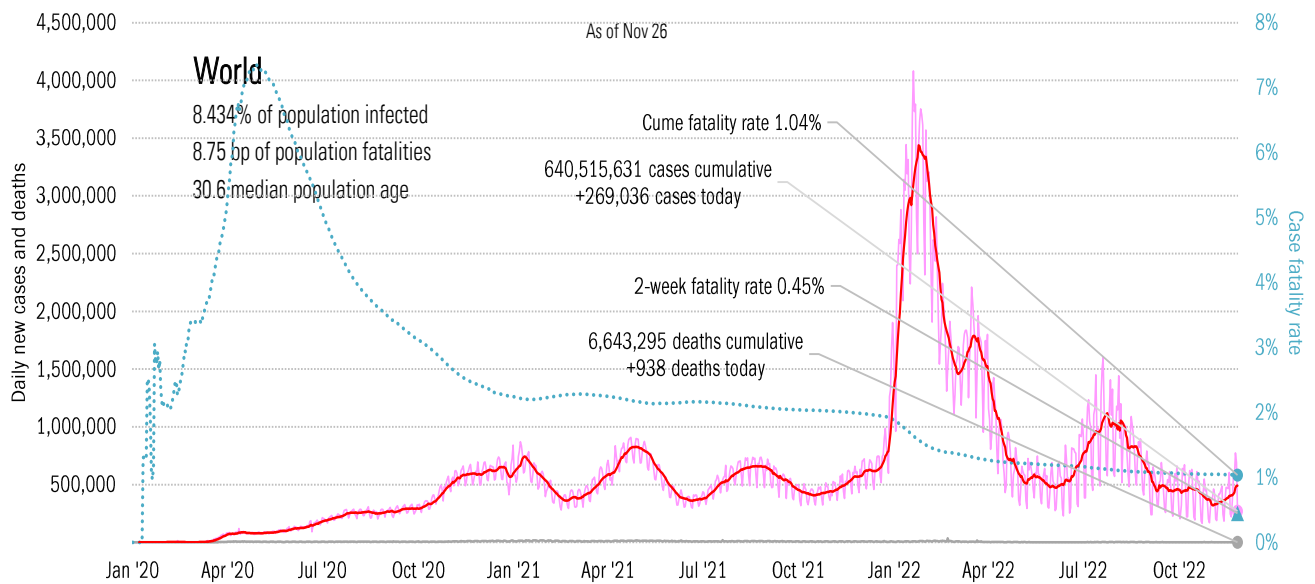
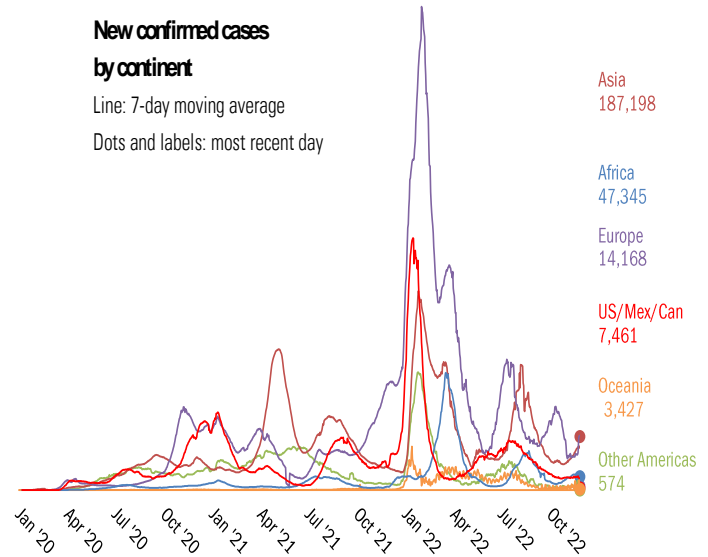
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	125,327	United States	447
France	48,629	Japan	164
Korea, South	47,028	Russia	51
United States	46,547	Indonesia	41
China	34,399	Korea, South	39
Italy	32,732	Taiwan*	29
Germany	24,687	Chile	25
Brazil	22,131	Philippines	23
Taiwan*	13,245	Austria	8
Russia	6,026	Poland	8
400,751		835	

New confirmed cases by continent

Line: 7-day moving average
 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

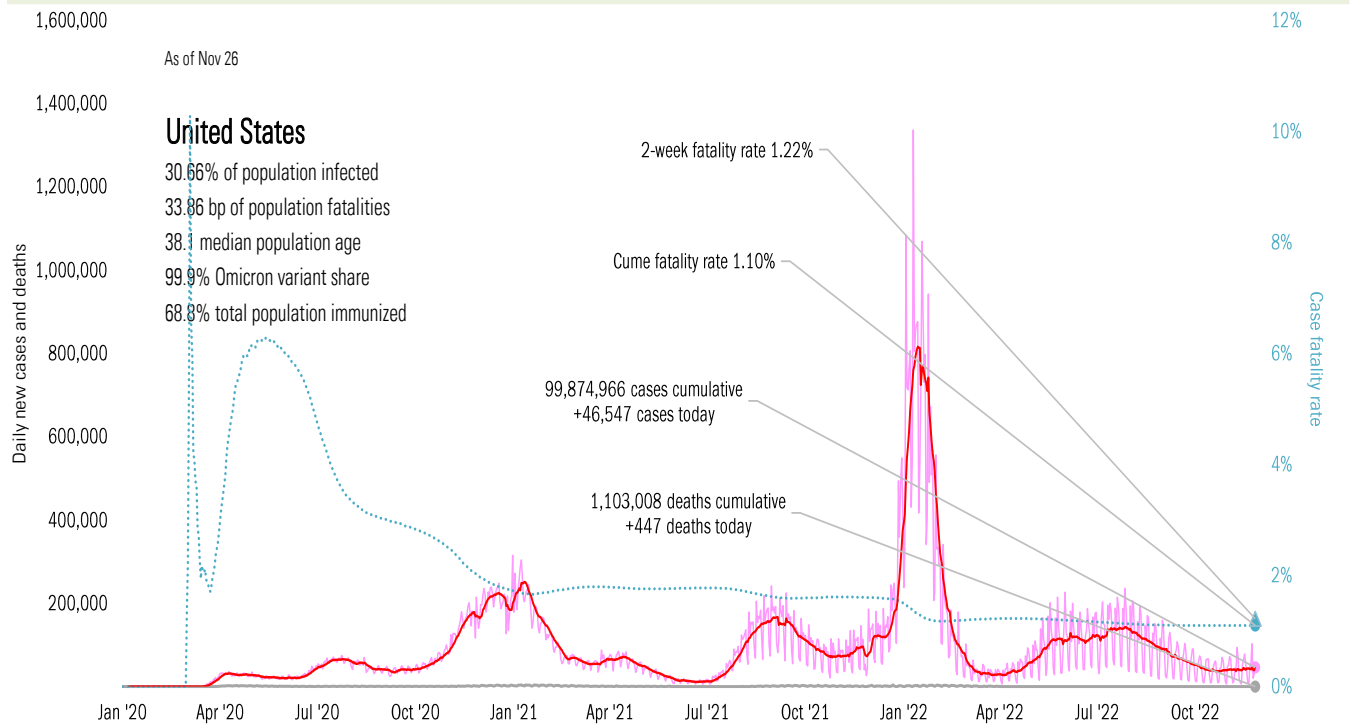
New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
CA	6,530		FL	48		TX	249		CA	11,492,488		CA	97,437		TX	555,264		MN	87%	NM	86%
TX	4,901		MI	39		CA	459		TX	8,084,617		TX	91,380		CA	517,323		RI	86%	TX	84%
FL	3,355		VA	28		IN	102		FL	7,239,478		FL	82,875		FL	503,468		WA	83%	AK	83%
IL	2,711		NV	24		TN	68		NY	6,354,911		NY	73,803		NY	319,358		MA	82%	NH	83%
CO	2,154		CA	21		GA	104		IL	3,860,866		PA	48,271		GA	229,796		CA	81%	NC	80%
VA	1,916		UT	21		NY	344		PA	3,350,067		GA	41,024		CH	227,355		MO	80%	AL	79%
AZ	1,916		PA	21		CH	178		NC	3,268,501		CH	40,466		PA	213,668		NH	79%	VT	79%
KY	1,834		NY	16		NE	36		CH	3,227,759		IL	40,247		IL	195,380		NV	78%	DC	79%
CH	1,571		WI	16		KS	35		GA	2,937,280		MI	39,972		MI	169,969		AZ	78%	RI	78%
NJ	1,504		MA	16		LA	65		MI	2,929,612		NJ	35,079		KY	147,747		CR	78%	MA	78%
28,392			249			1,640			52,745,579			590,554			3,079,328						
All states 46,547			447			3,663			All states 99,874,966			1,103,008			5,594,133			All states 70%		67%	
Top ten 61%			56%			45%			Top ten 53%			55%			55%			Median 74%		71%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-914			CO	-56
AK	0			IL	-37
AL	0			AZ	-28
AZ	0			FL	-28
CA	0			MN	-26

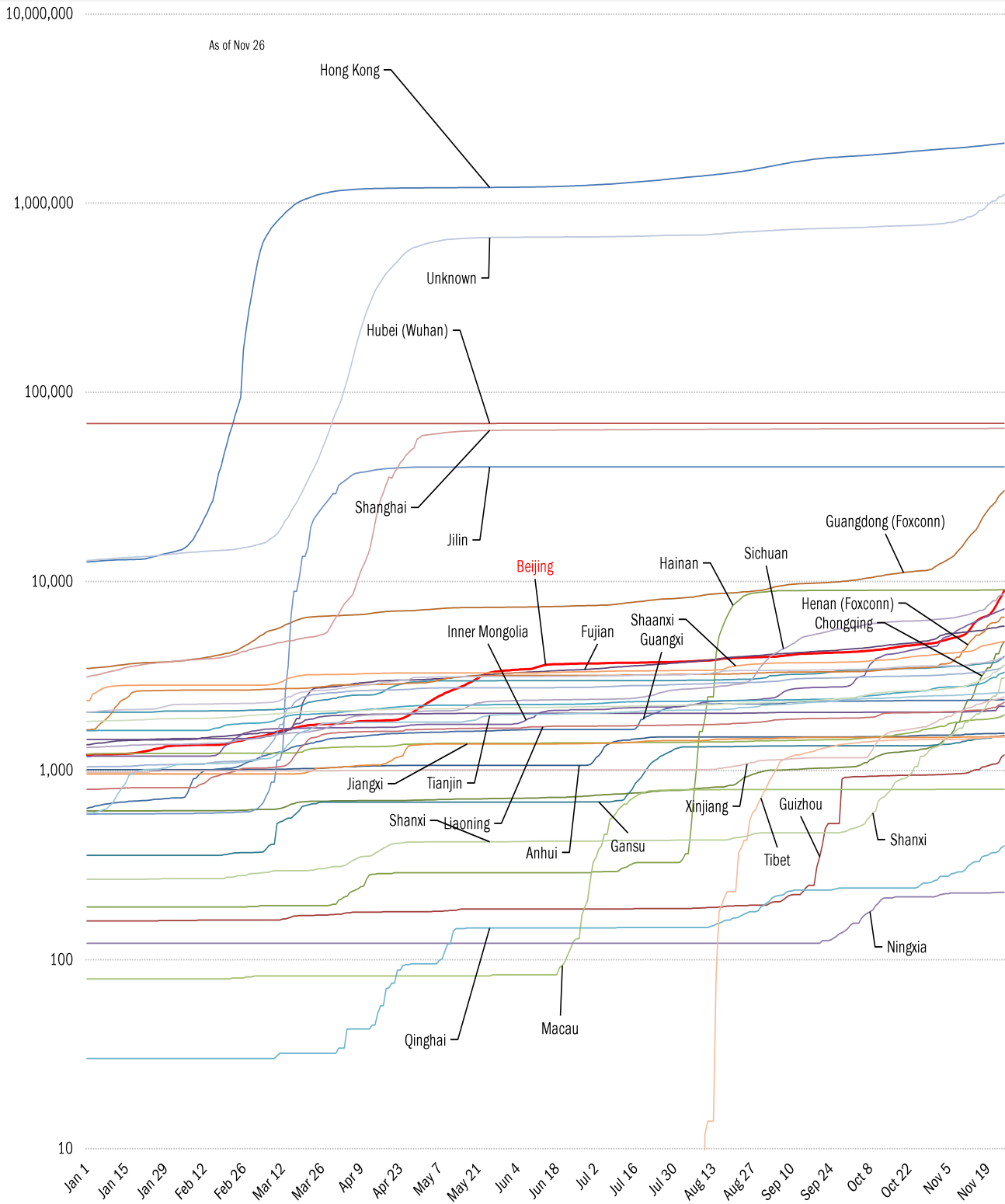
Improvement stats are impaired on weekends due to under-reporting.



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

China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

Cumulative reported cases this year, log scale: flat line indicates "zero Covid"

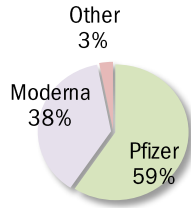


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	667,039,757		+0.623 million		US	68.6%	80.4%	
			Of which boosters: +0.560 million		UK	75.2%	79.7%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%	80.5%
Total population	275,804,550	83%	234,917,605	70%	+0.052 million	Spain	85.5%	86.9%
Age 12 to 17	18,368,587	73%	15,705,157	62%	+0.002 million	Germany	76.2%	77.7%
Age 18 to 64	183,557,662	90%	155,937,514	77%	+0.029 million	Italy	81.3%	86.1%
Age 65 and over	60,811,399	100%	53,206,659	97%	+0.011 million	Australia	83.2%	85.7%
						Israel	65.2%	71.1%
						Canada	82.4%	88.8%
						Japan	83.1%	84.2%
						Africa	24.8%	31.0%
						India	67.1%	72.5%
						Brazil	80.2%	87.2%
						China	89.2%	91.4%



AK
72.4%
64.7%

State
At least partial immunity as % population
Full immunity as % population

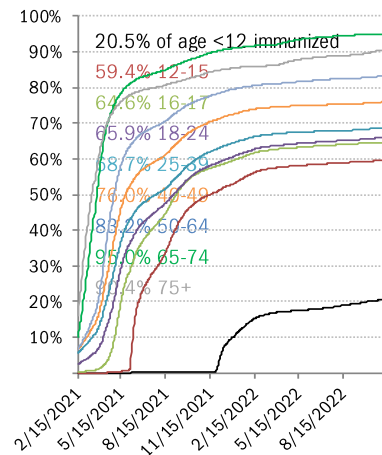
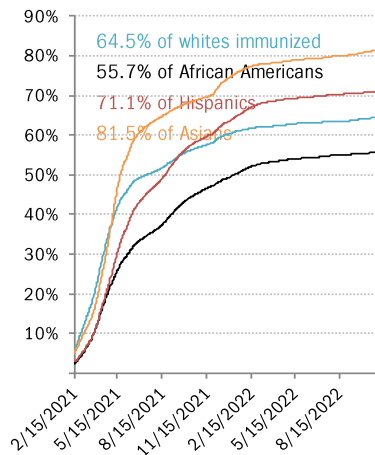
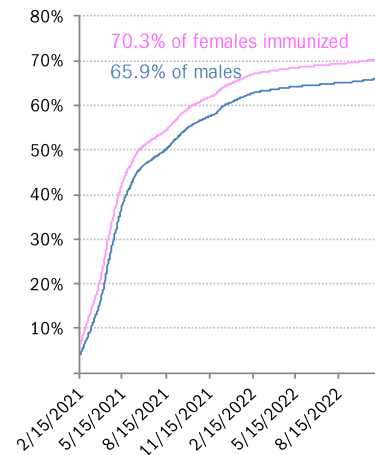
Best
Middle
Worst

"Immunity" = two doses

As of Nov 18

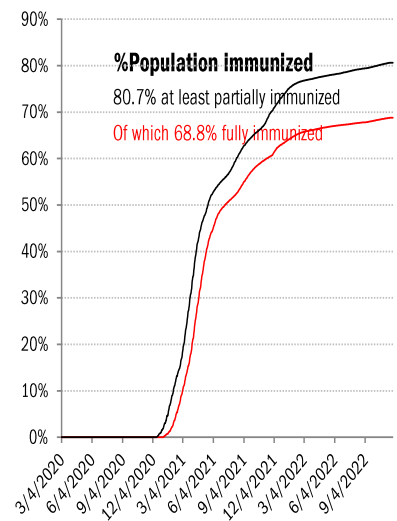
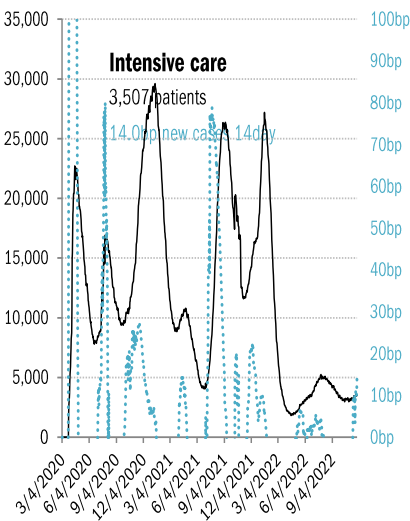
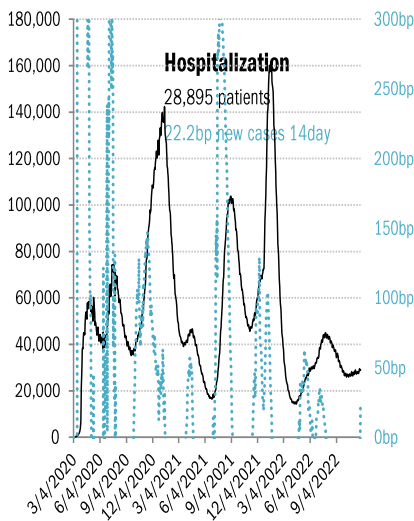
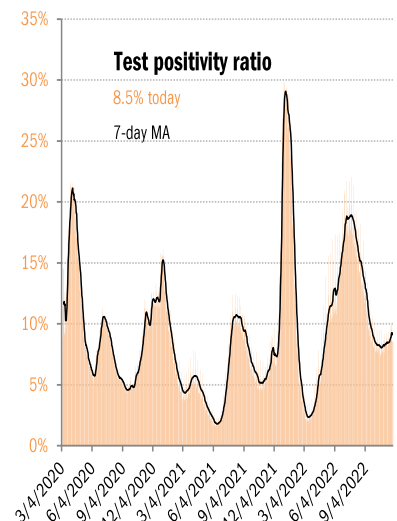
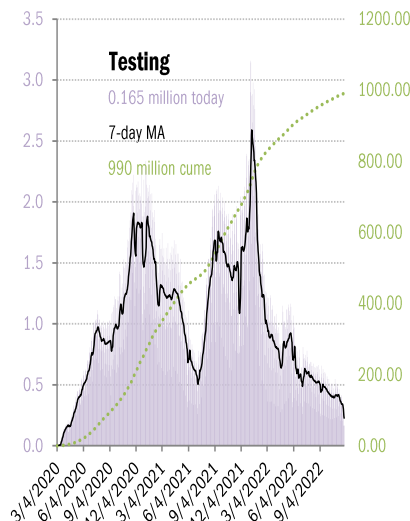
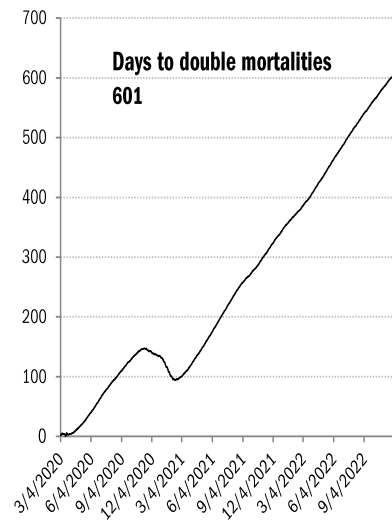
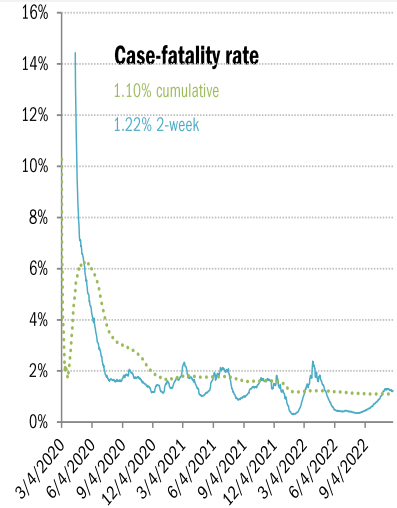
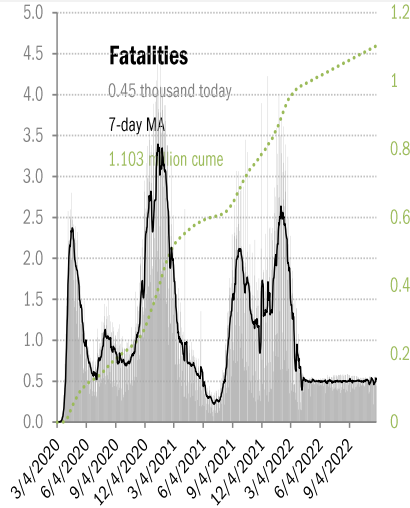
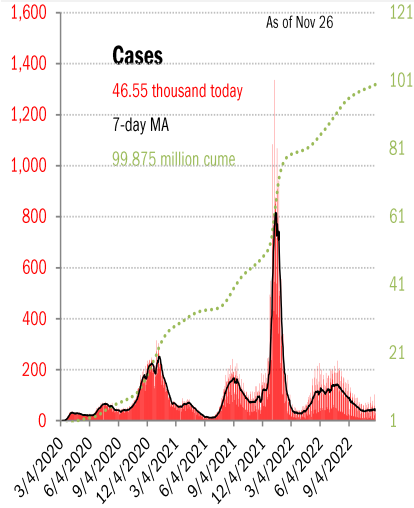
					WI							ME
					74.4%							95.0%
					67.7%							82.5%
WA	ID	MT	ND	MN	IL	MI				NY	VT	NH
84.4%	63.4%	67.7%	68.6%	78.0%	78.7%	69.0%				93.5%	95.0%	86.3%
75.3%	56.0%	58.7%	58.0%	71.5%	70.8%	61.9%				79.9%	84.6%	70.5%
OR	NV	WY	SD	IA	IN	OH	PA			NJ	MA	
80.7%	78.1%	60.4%	82.6%	70.1%	63.9%	65.2%	89.4%			93.7%	95.0%	
71.7%	63.0%	52.7%	65.5%	63.9%	57.4%	60.0%	72.3%			78.4%	83.1%	
CA	UT	CO	NE	MO	KY	WV	VA			MD	CT	RI
85.7%	74.5%	82.9%	72.7%	68.7%	68.3%	67.0%	89.9%			90.7%	95.0%	95.0%
74.6%	66.1%	72.9%	65.7%	58.5%	59.2%	59.4%	75.9%			78.9%	82.3%	86.8%
	AZ	NM	KS	AR	TN	NC	SC			DC	DE	
	76.5%	92.9%	75.4%	69.2%	64.0%	90.5%	70.3%			95.0%	86.6%	
	65.5%	74.4%	64.6%	56.4%	56.0%	66.0%	59.4%			84.1%	72.0%	
			OK	LA	MS	AL	GA					
			73.9%	62.5%	61.3%	64.5%	67.7%					
			59.9%	54.8%	53.4%	52.7%	56.7%					
			TX							FL		PR
			75.6%							81.8%		95.0%
			62.8%							68.9%		86.5%

The demographics of US vaccination

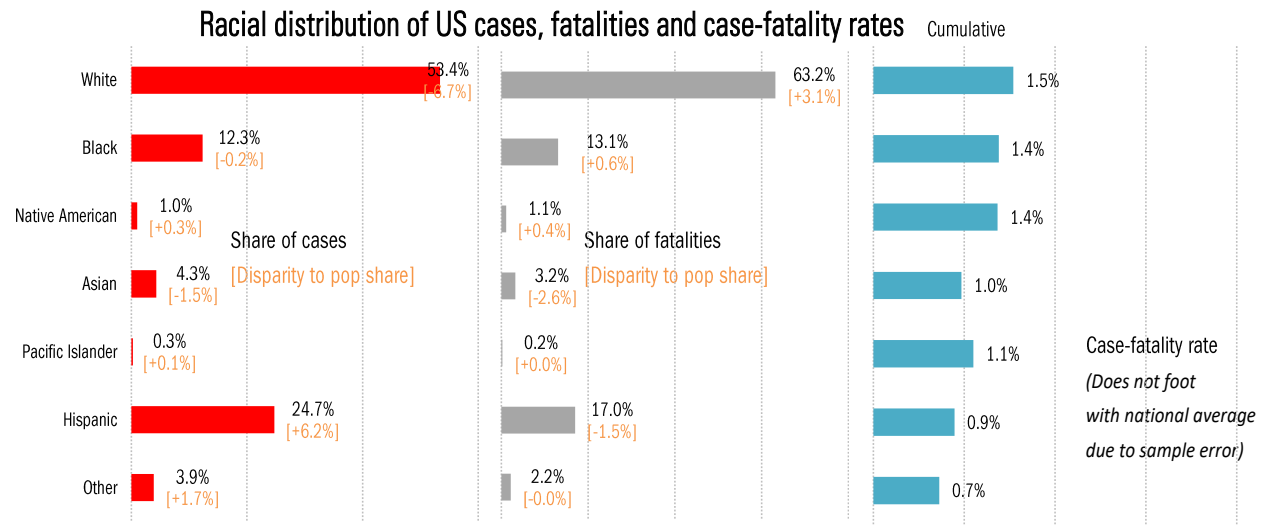
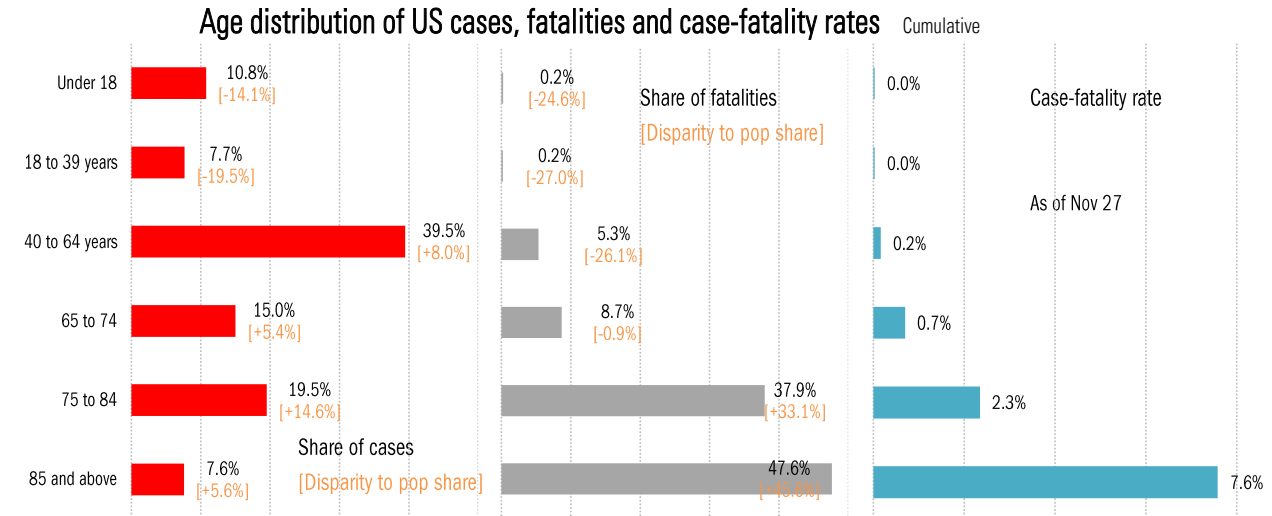


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

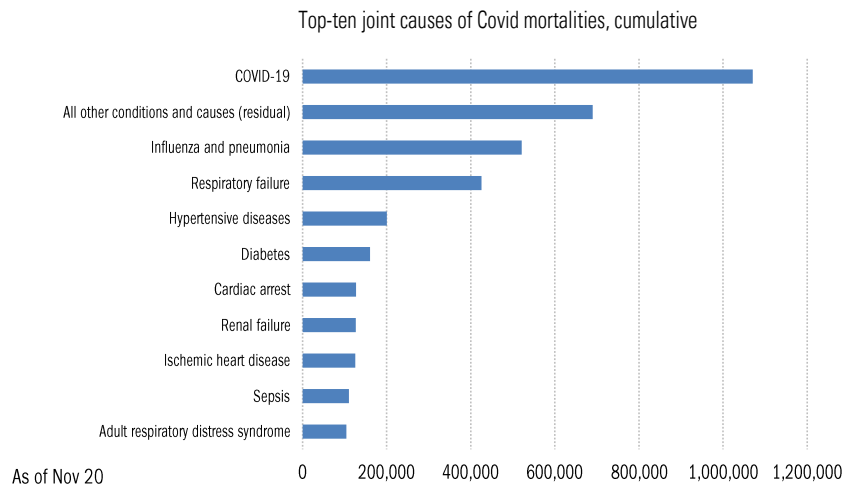
US deep-dive



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

[Chinese Protests Spread Over Government's Covid Restrictions](#)

Lingling Wei and Wenxin Fan
Wall Street Journal
November 26, 2022

[Deadly Xinjiang fire stokes discontent over China's covid restrictions](#)

Christian Shepherd and Lily Kuo
Washington Post
November 26, 2022

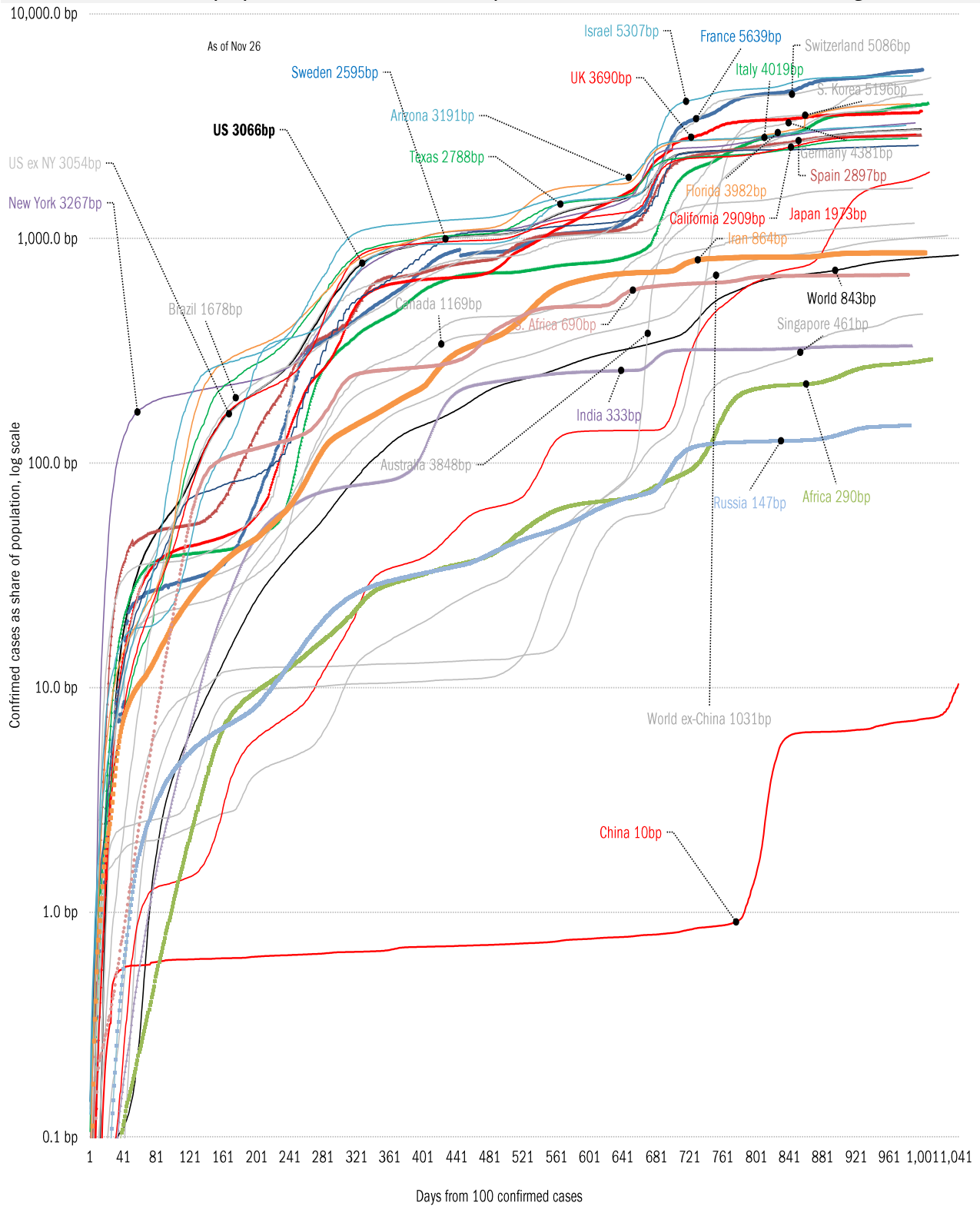
Meme of the Day



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

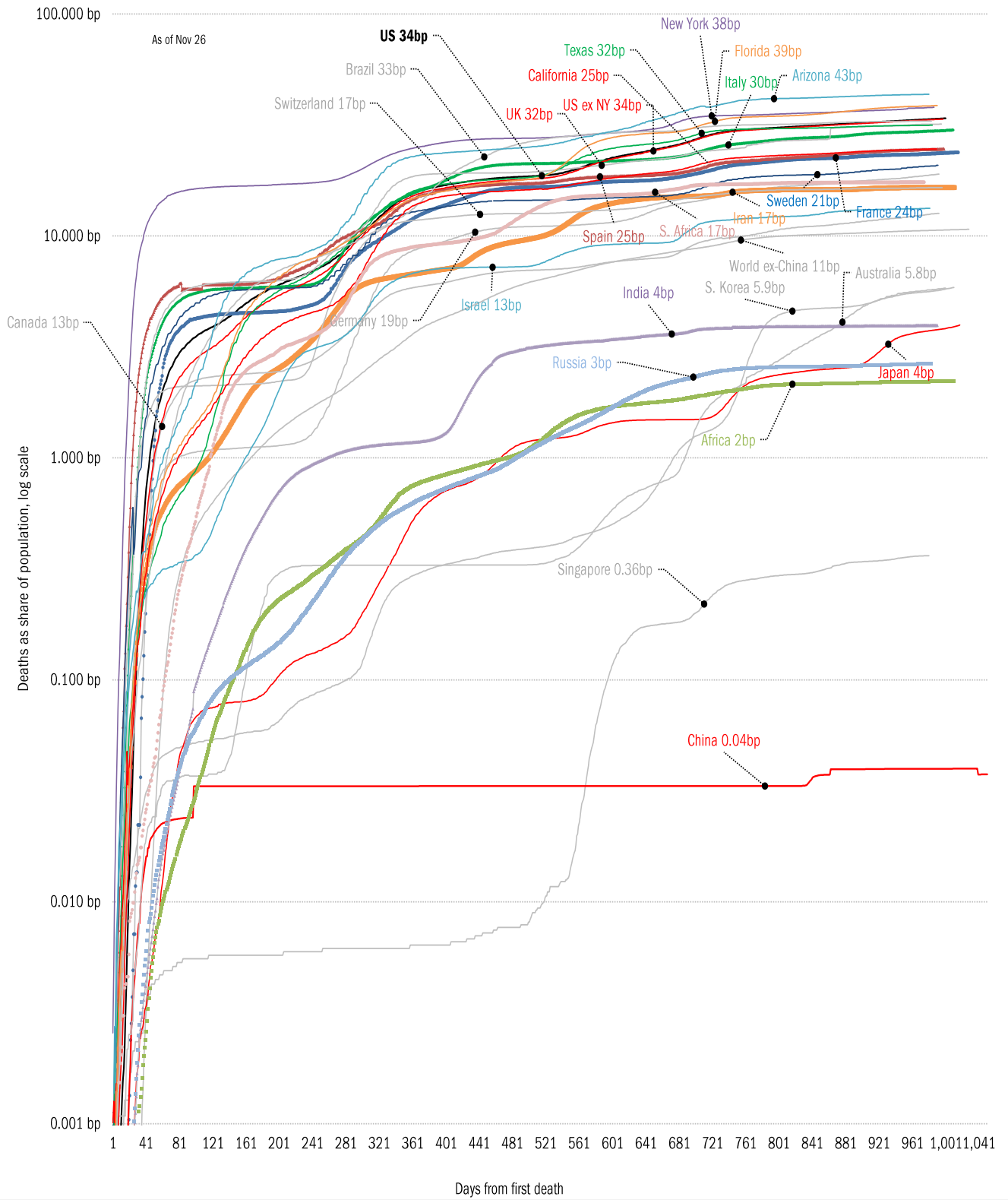
The global coronavirus case accelerometer... tracking the world's infection curves

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

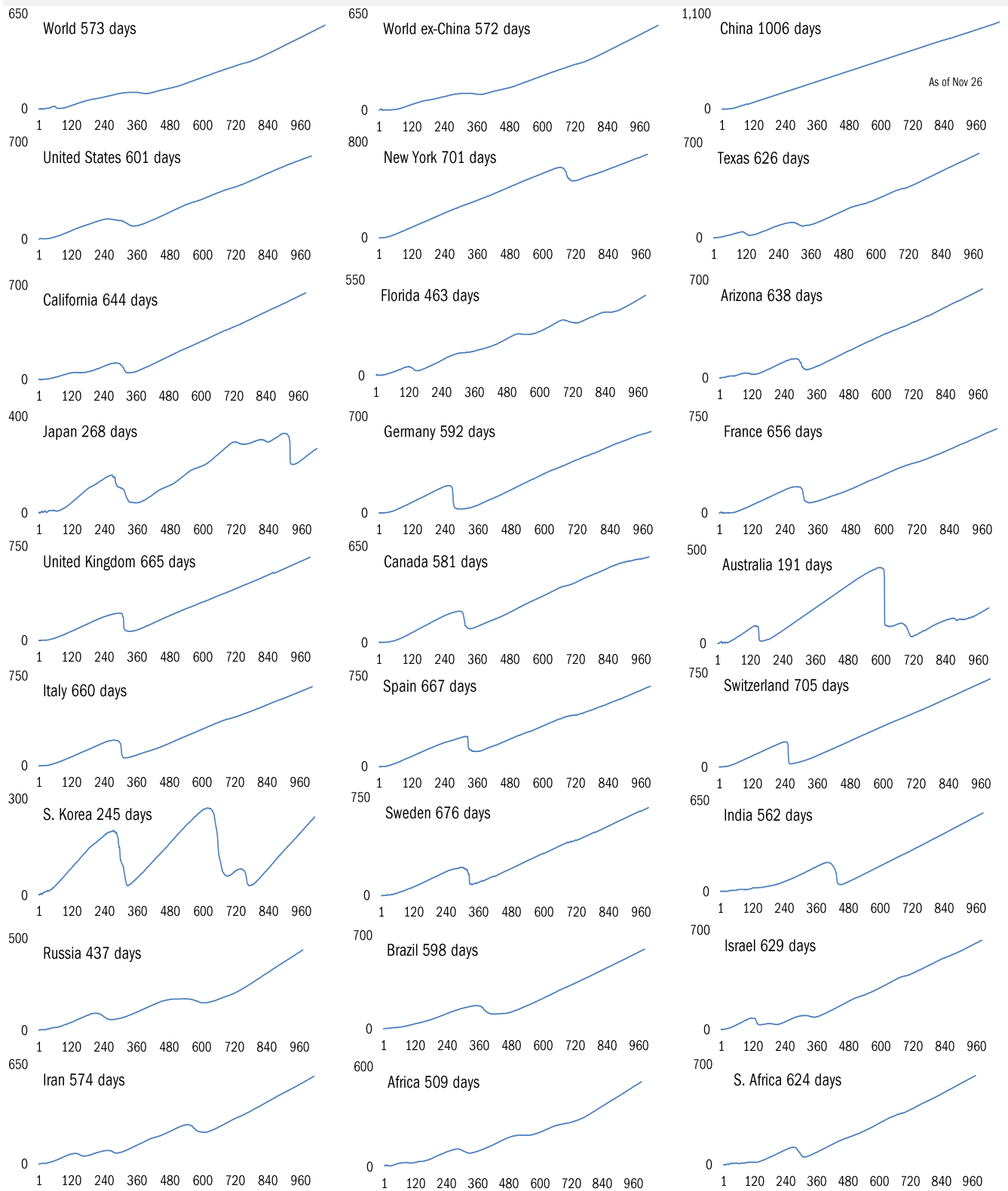


Source: [Johns Hopkins](#), TrendMacro calculations

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

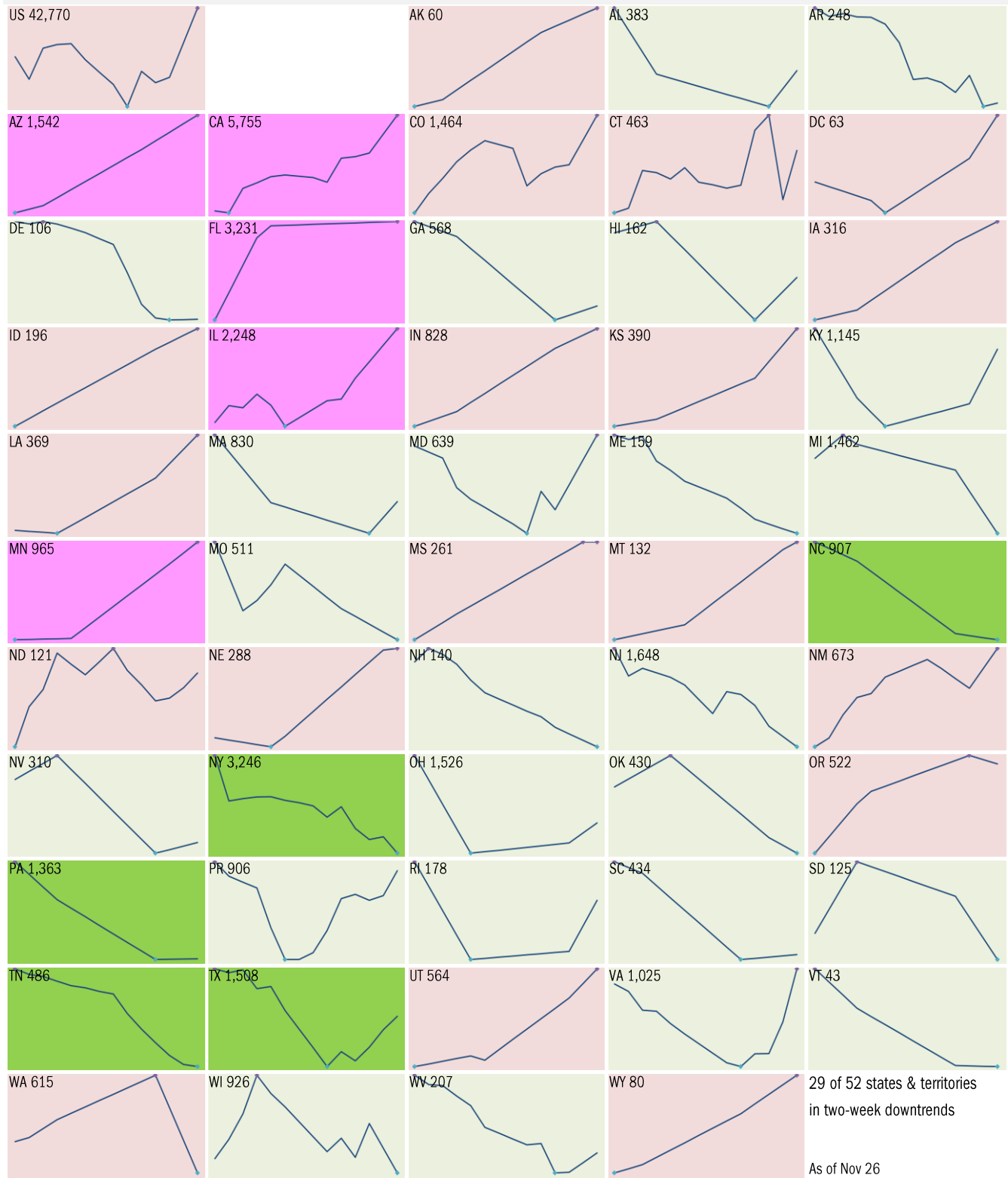


Source: [Johns Hopkins](#), TrendMacro calculations

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

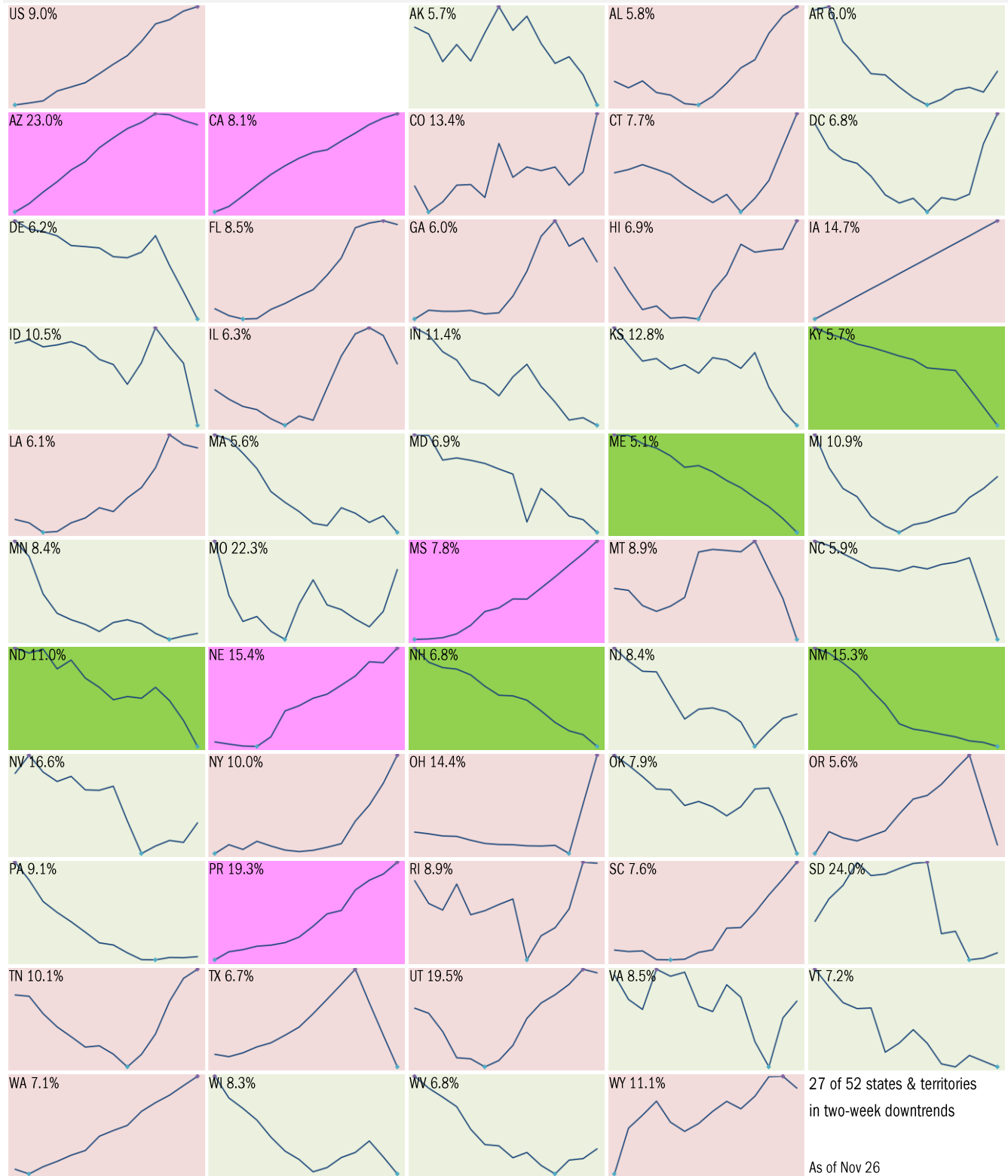


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

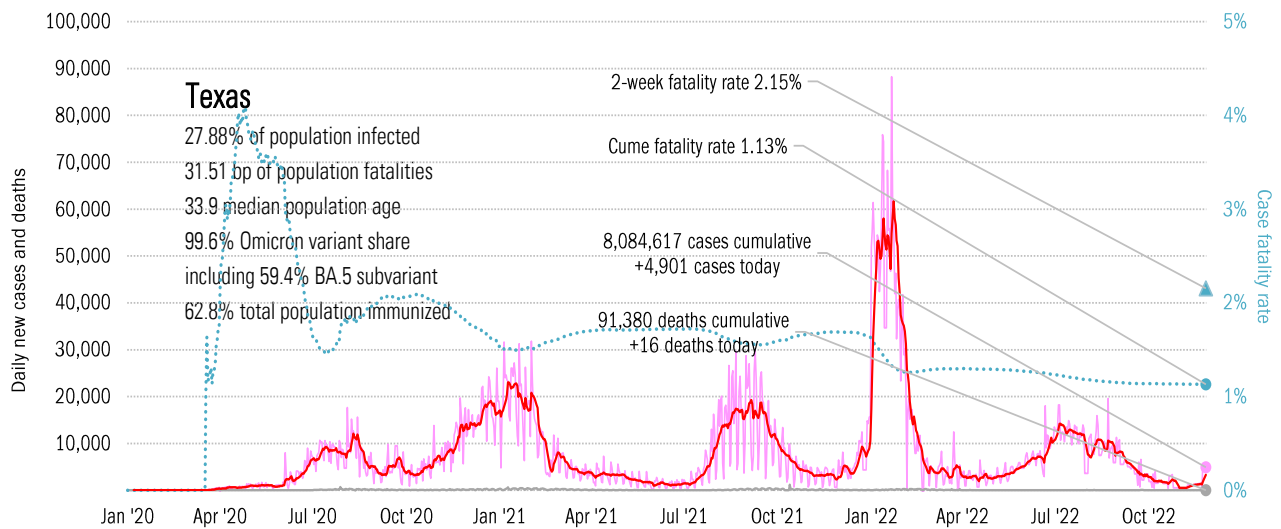
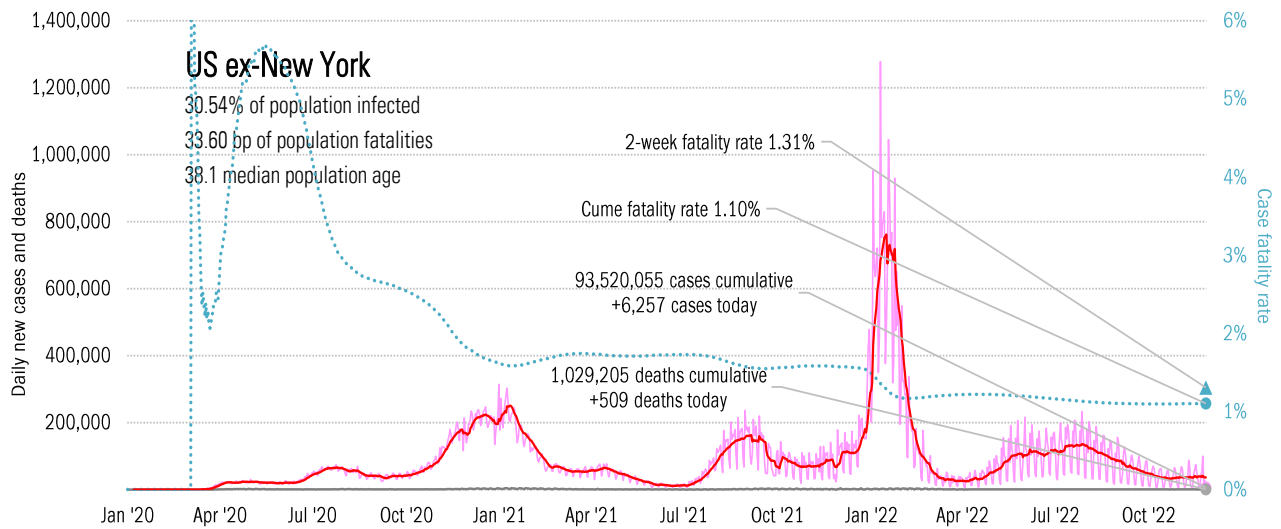
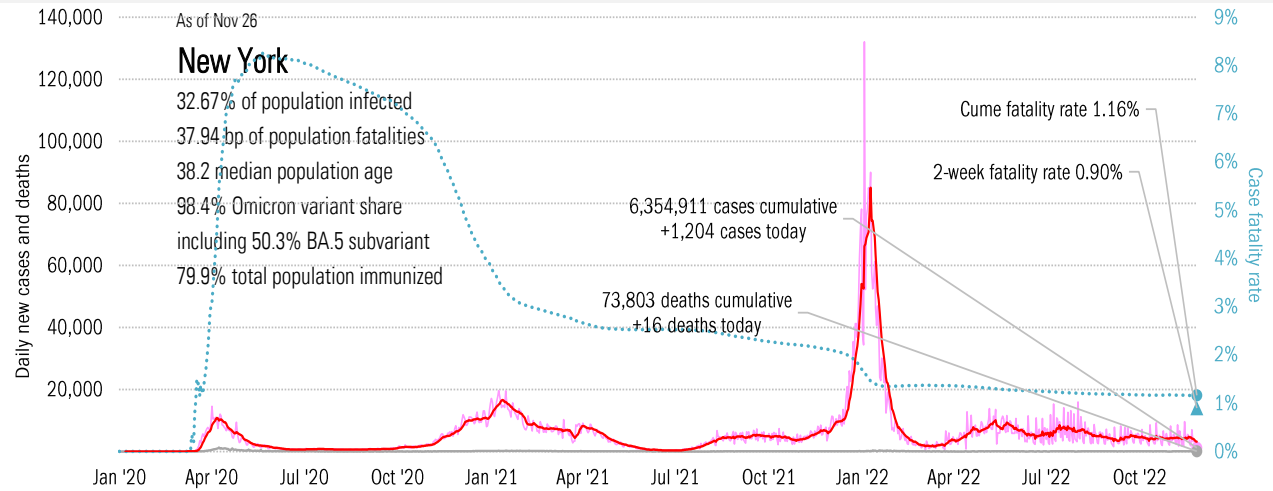
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

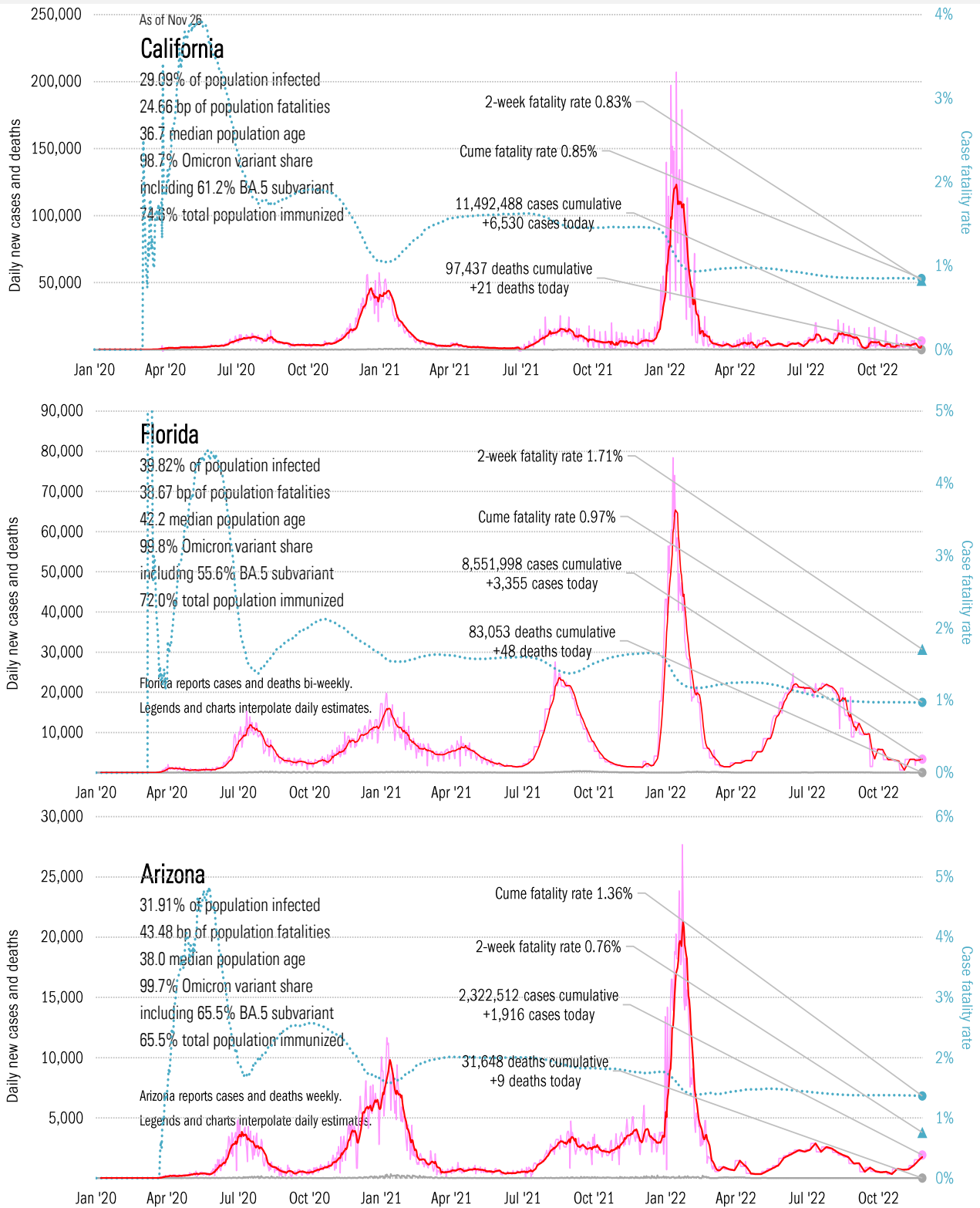
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

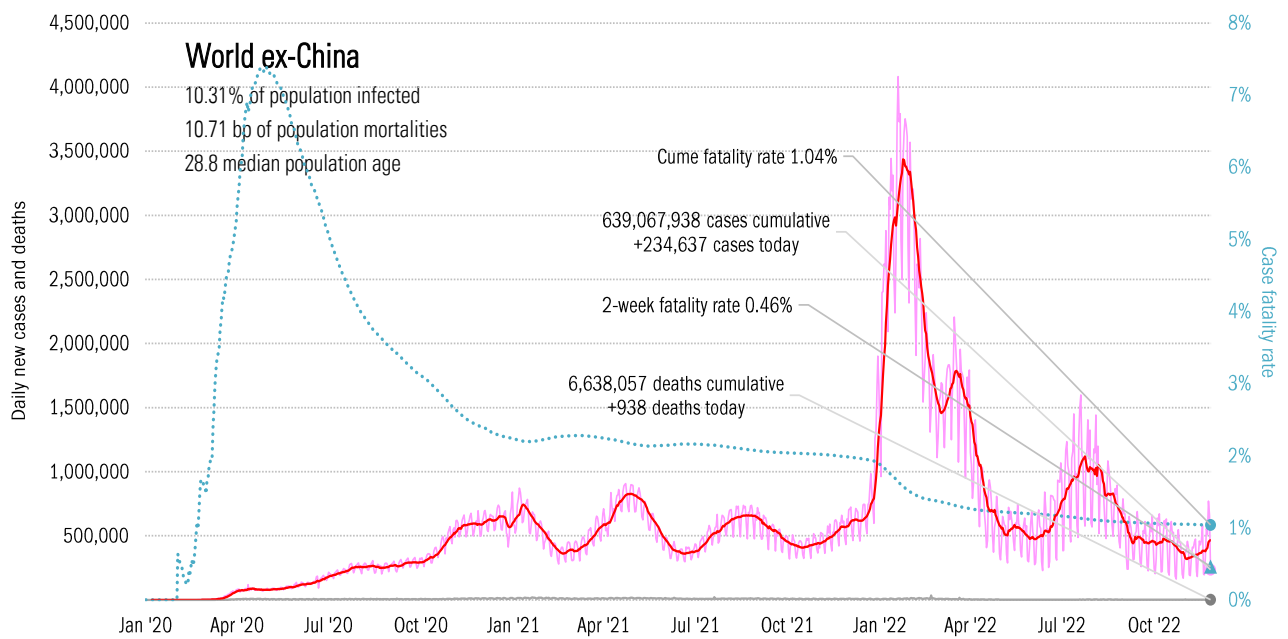
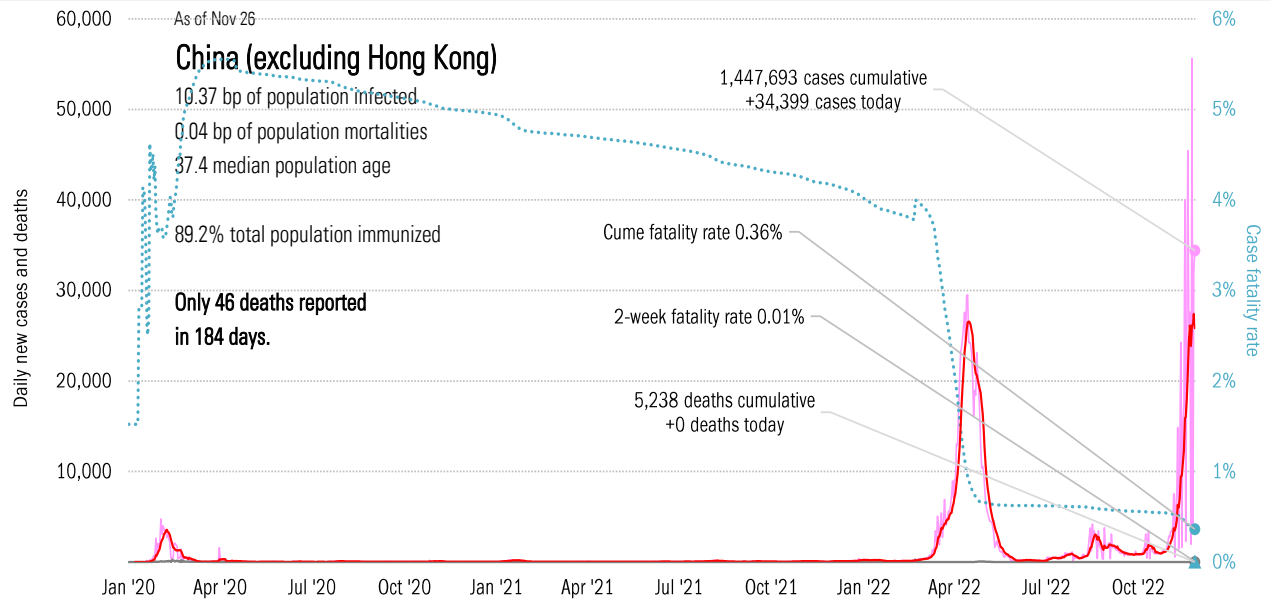
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

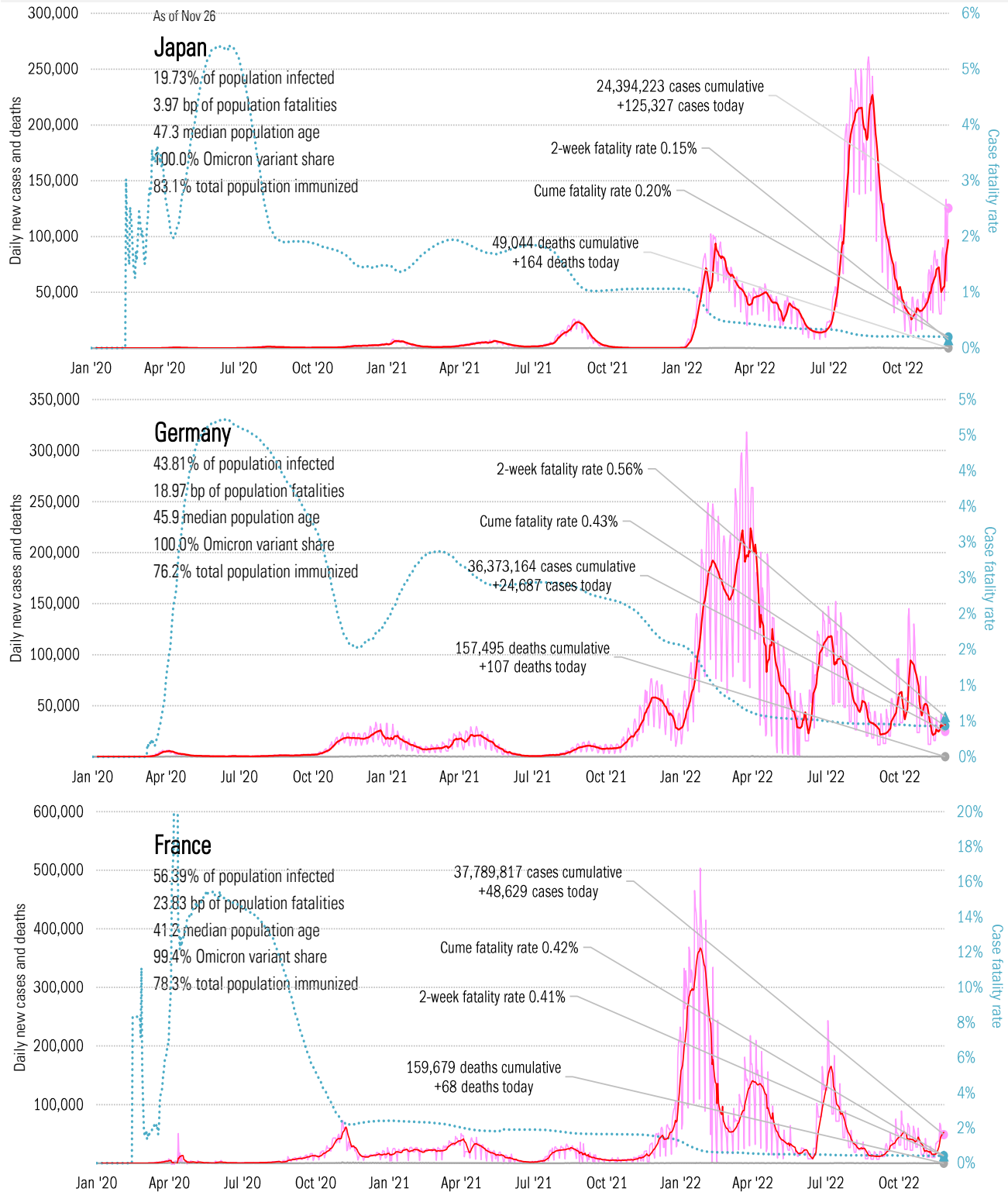
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

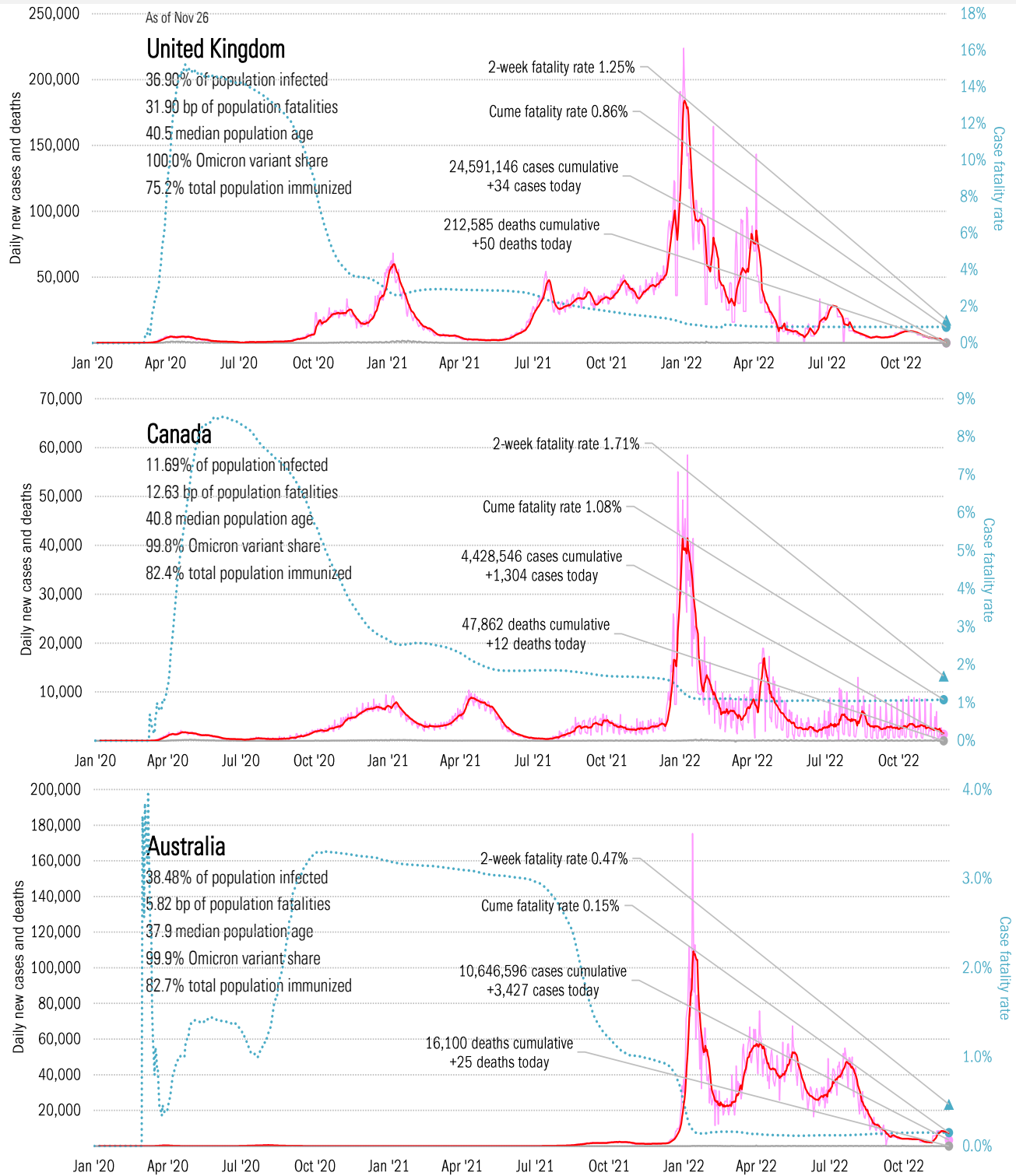
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

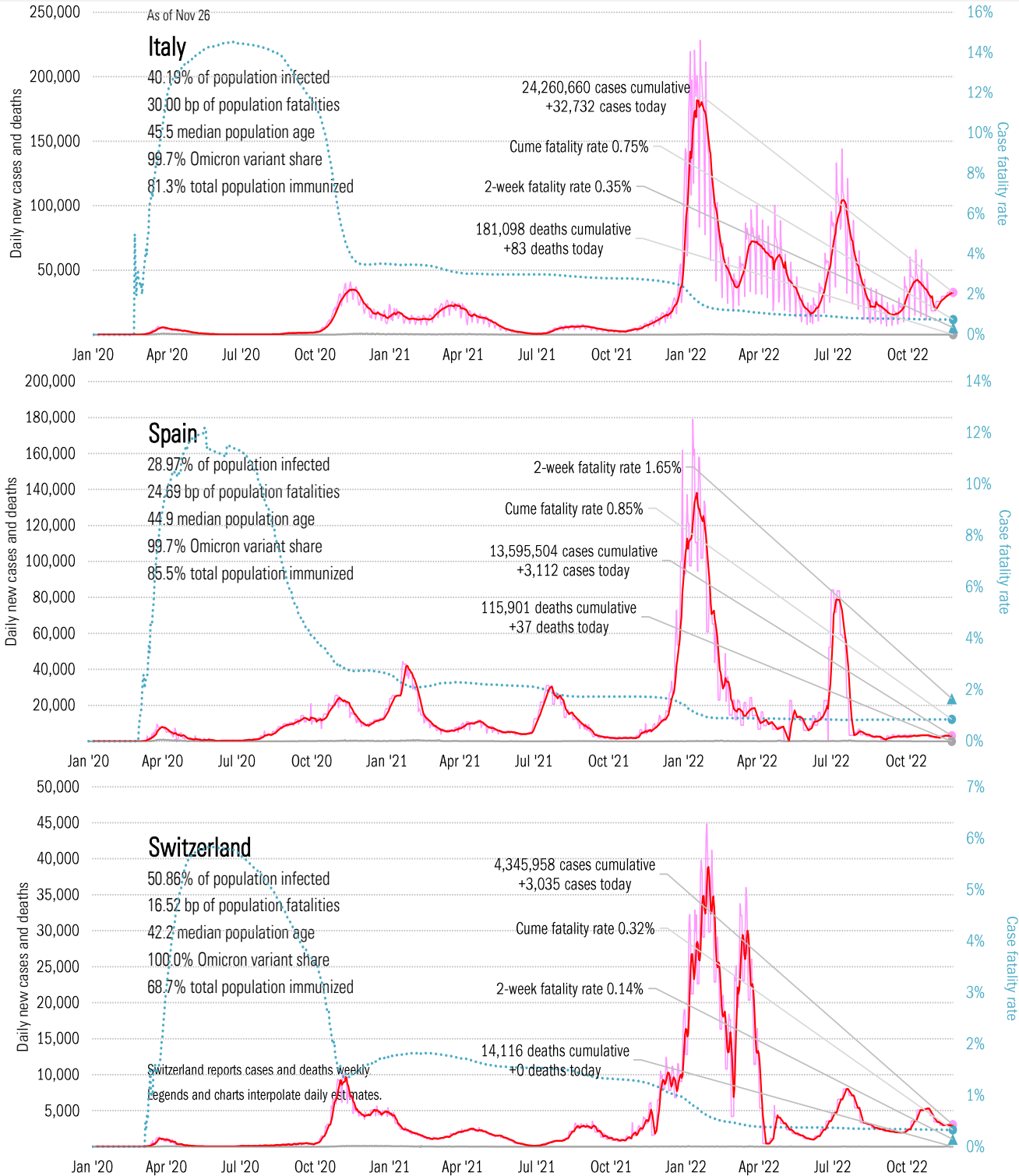
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

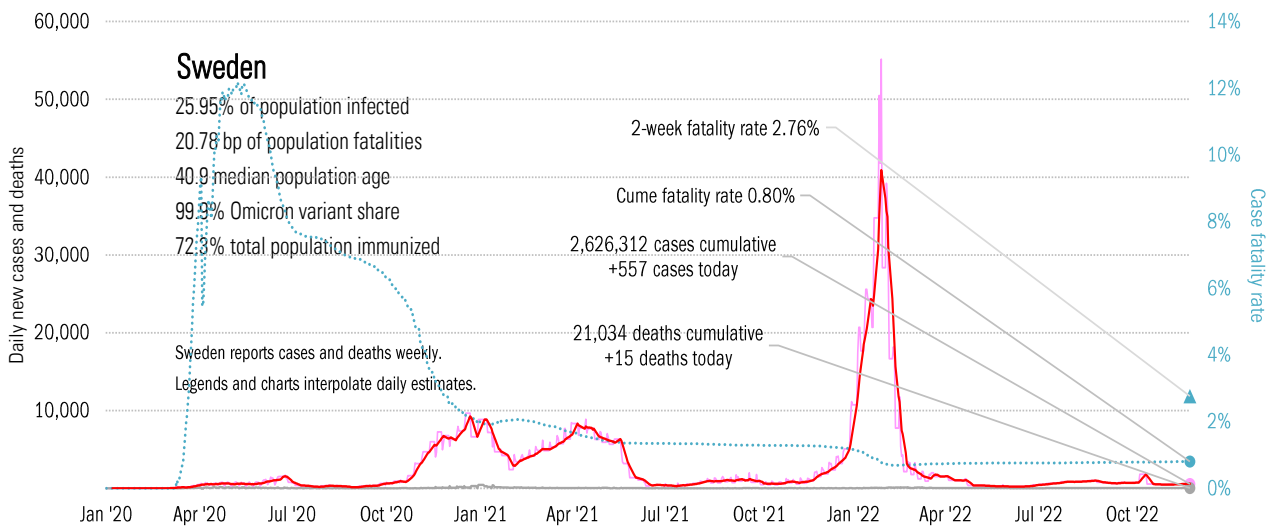
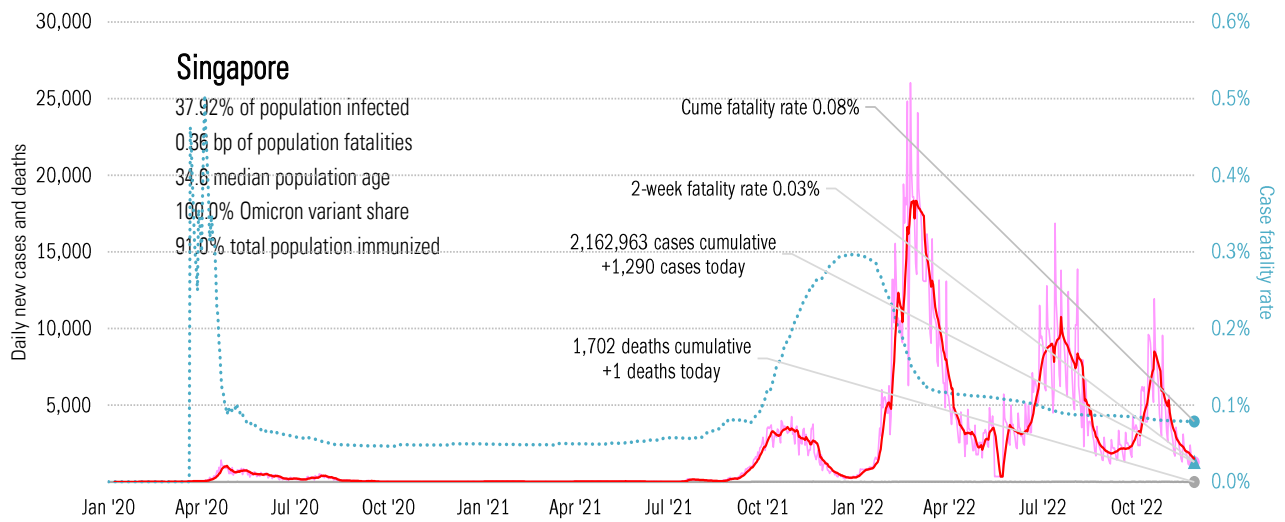
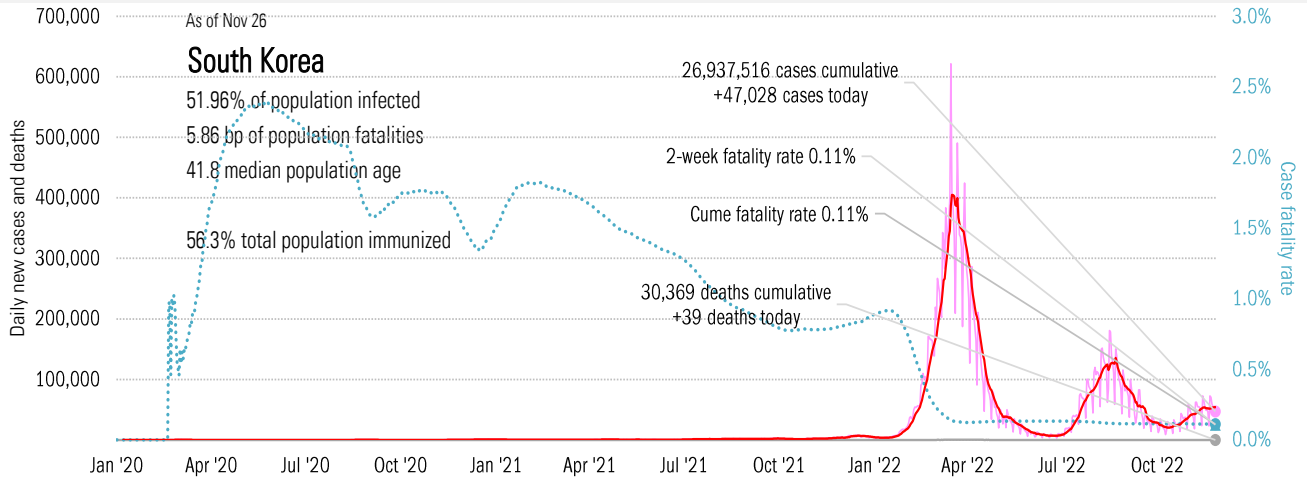
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

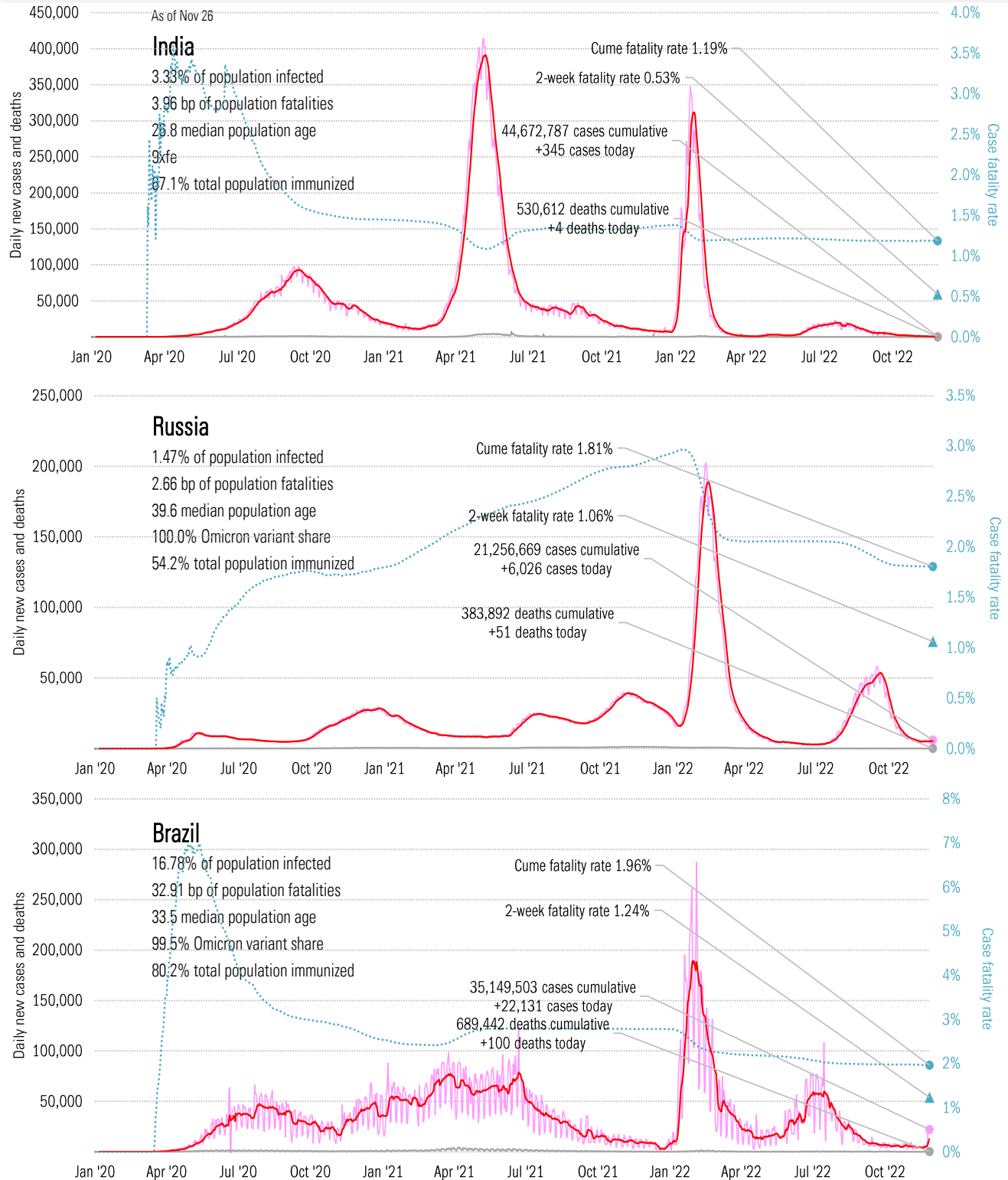
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

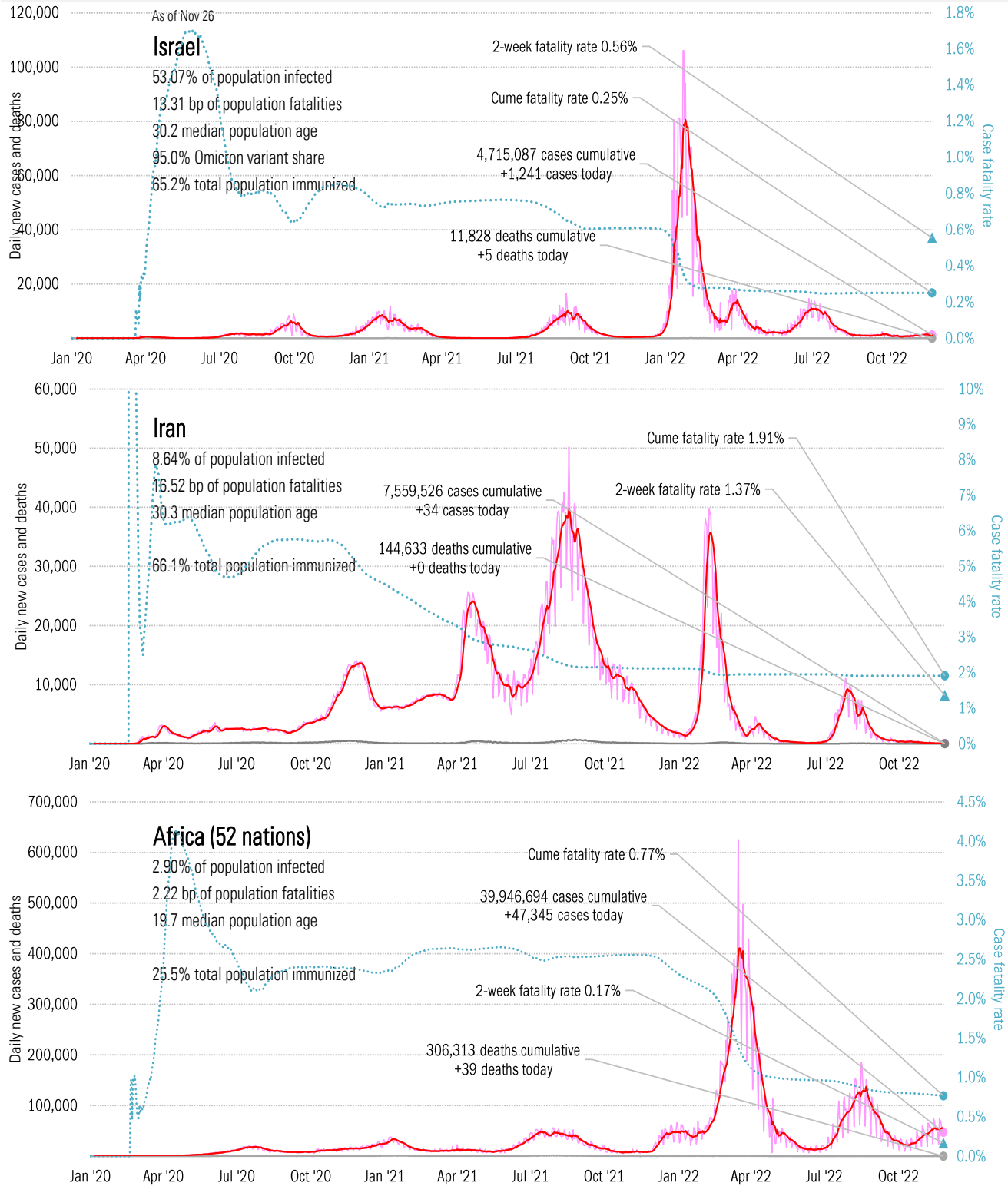
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

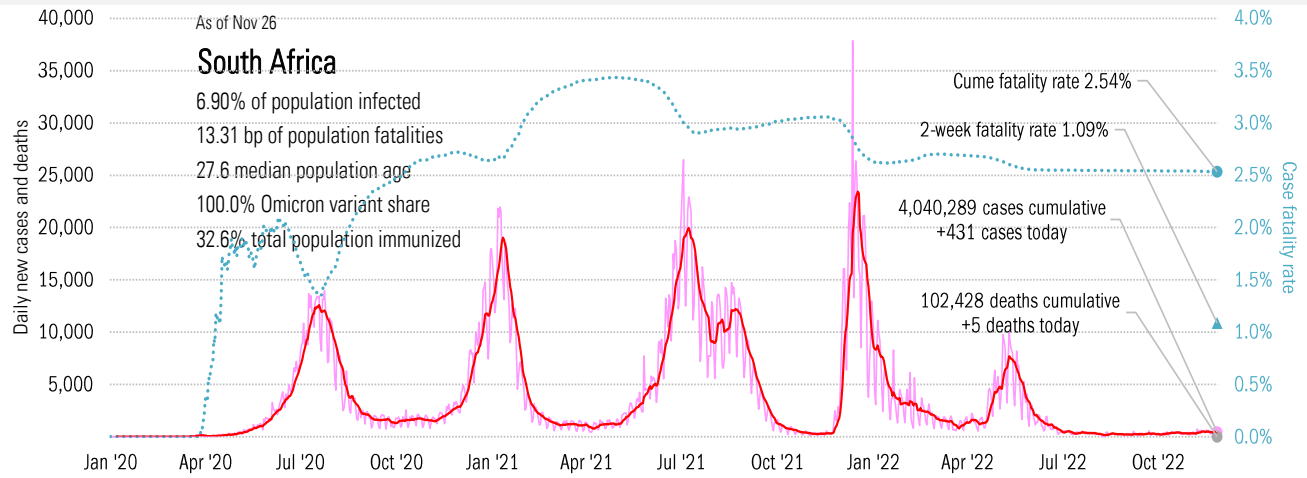
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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