

Data Insights: Covid-2019 Monitor

Tuesday, November 22, 2022

The global scorecard

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

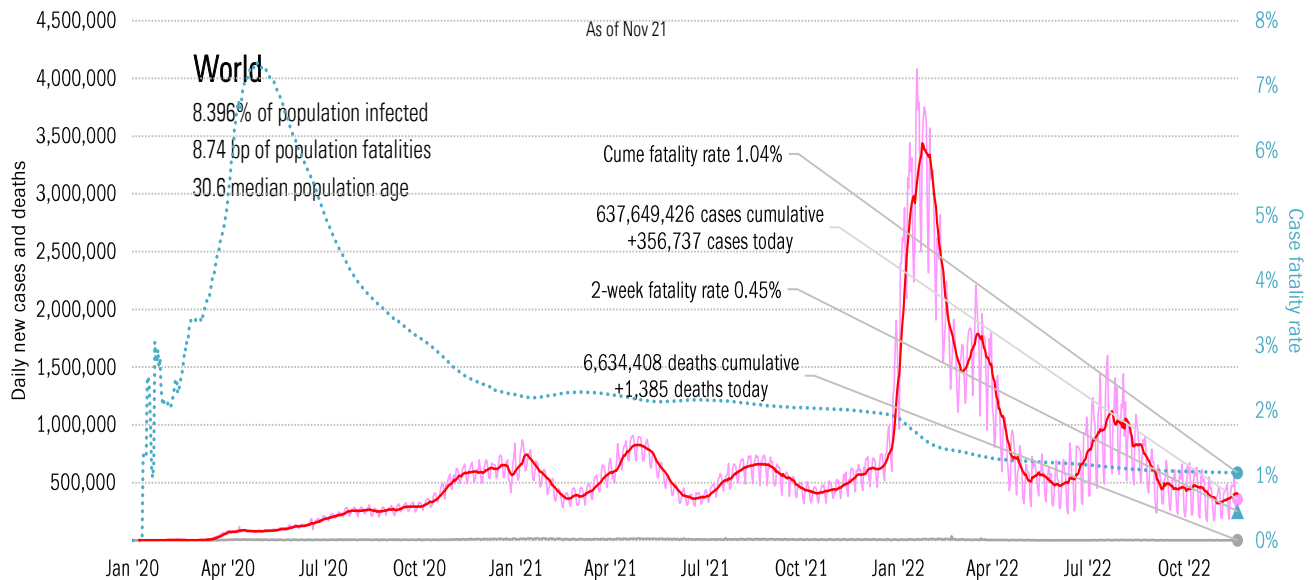
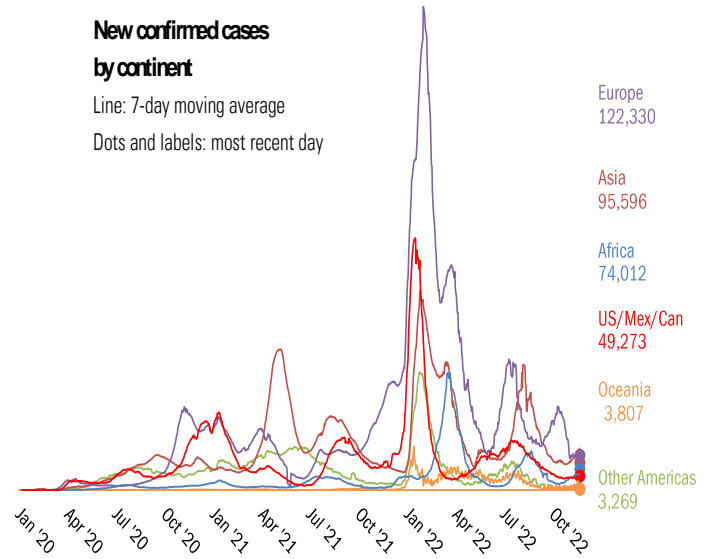
The worst ten countries

New cases		New Deaths	
Korea, South	72,873	United States	404
France	68,058	Germany	199
Japan	42,424	France	175
Germany	41,676	Japan	57
United States	37,901	Russia	55
China	27,596	Korea, South	45
Taiwan*	11,895	Indonesia	43
Russia	4,621	Taiwan*	41
Indonesia	4,306	Canada	29
Australia	3,807	Australia	27
<hr/>		<hr/>	
	315,157		1,075
World	356,737	World	1,385
Top ten	88%	Top ten	78%

New confirmed cases by continent

Line: 7-day moving average

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

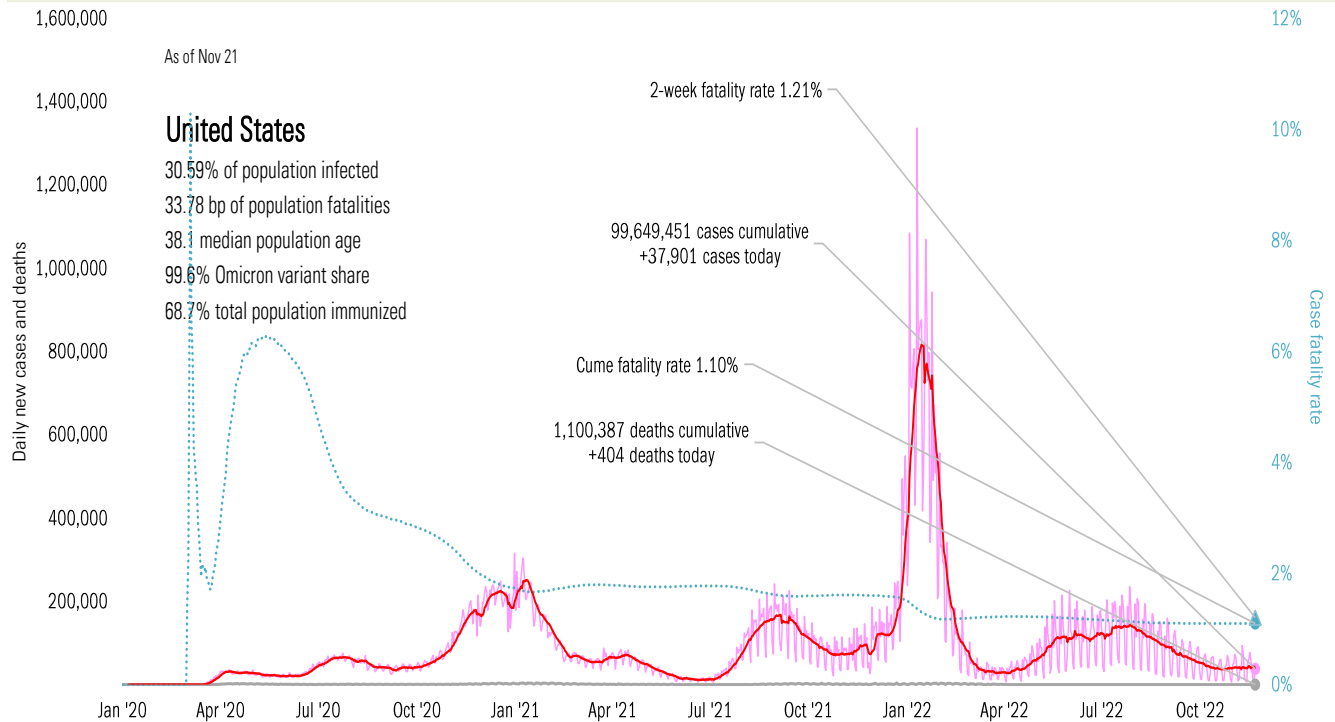
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
NY	6,977		FL	48		CA	452		CA	11,456,376		CA	97,310		TX	554,002		GA	92%	AK	88%
FL	3,355		OR	44		GA	102		FL	8,535,222		TX	91,361		CA	515,121		RI	91%	NM	86%
MI	2,143		NY	22		TX	170		TX	8,079,130		FL	82,910		FL	502,557		MA	88%	MA	86%
IL	1,848		IL	21		WI	74		NY	6,341,957		NY	73,652		NY	317,612		MN	86%	AL	84%
KY	1,834		TX	21		IL	153		IL	3,856,052		PA	48,126		GA	229,555		DE	84%	TX	83%
CA	1,638		MI	21		PA	168		PA	3,340,506		GA	40,915		CH	226,419		WA	83%	NC	83%
AZ	1,539		CA	20		AZ	110		NC	3,262,335		CH	40,391		PA	212,932		MO	83%	NH	83%
TX	1,450		VA	19		CT	58		CH	3,218,335		IL	40,219		IL	194,543		WV	82%	RI	82%
CH	1,445		PA	19		MD	58		GA	2,933,229		MI	39,697		MI	169,389		MD	82%	VT	82%
NJ	1,334		GA	16		MO	68		MI	2,920,679		NJ	35,050		KY	147,515		NC	81%	DC	79%
23,563			250			1,413			53,943,821			589,631			3,069,645						
All states	37,901		404		3,306		All states	99,649,451		1,100,387		5,575,676		All states	70%	67%					
Top ten	62%		62%		43%		Top ten	54%		55%		55%		Median	77%	74%					

Some states not reporting

Five most improved US states

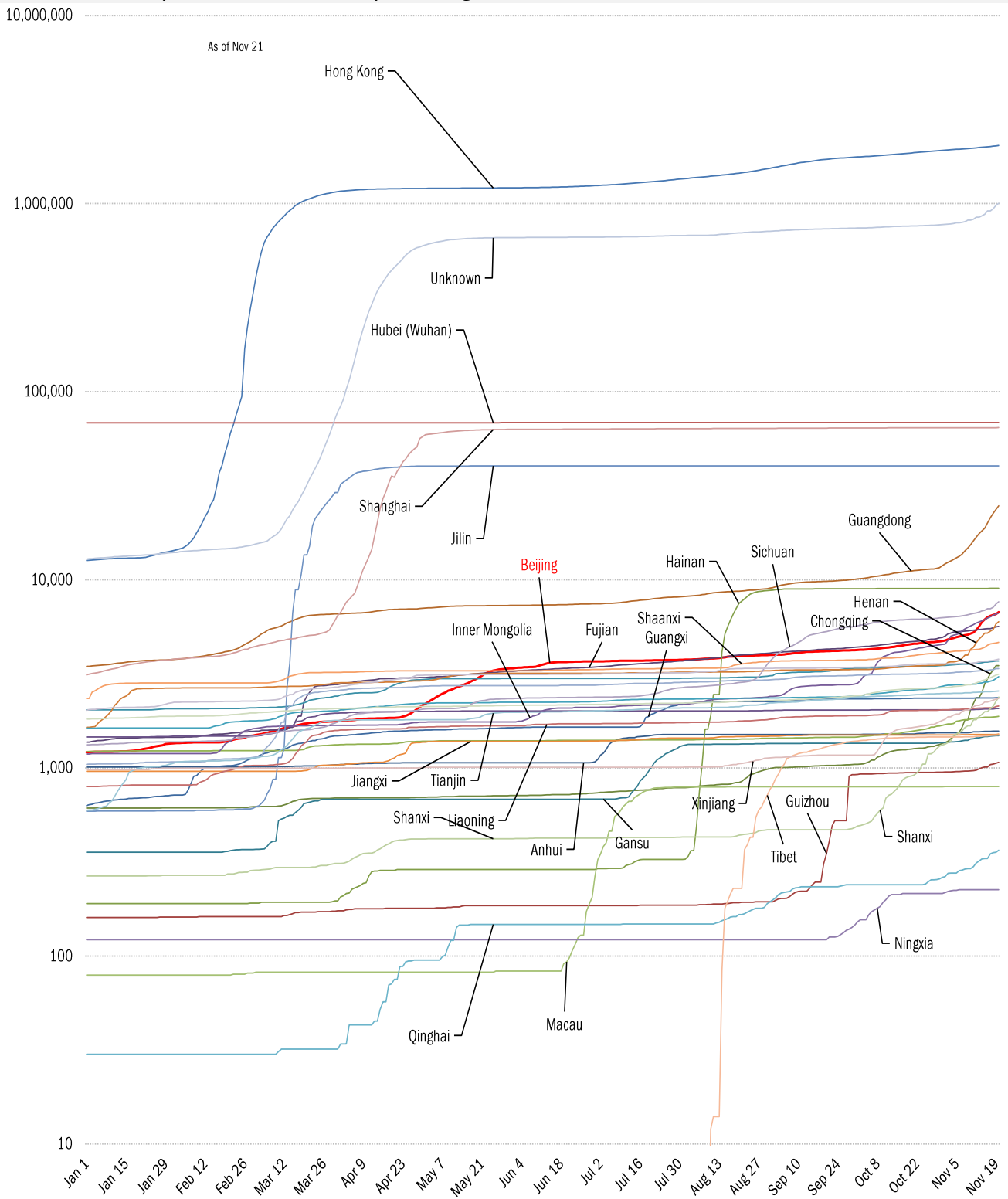
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
PA	-866	NJ	-8	FL	-29
KS	-281	TX	-7	KY	-26
CT	-47	WV	-6	AR	-25
AK	0	NY	-5	WA	-23
AL	0	CO	-3	DE	-18



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"

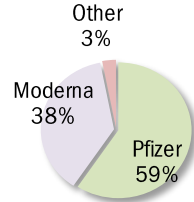


Source: [Johns Hopkins](#), TrendMacro calculations

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	France	78.3%	80.5%
Total population	275,804,550	83%	234,917,605	70%	Spain	85.5%	86.9%
Age 12 to 17	18,368,587	73%	15,705,157	62%	Germany	76.2%	77.7%
Age 18 to 64	183,557,662	90%	155,937,514	77%	Italy	81.3%	86.1%
Age 65 and over	60,811,399	100%	53,206,659	97%	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	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

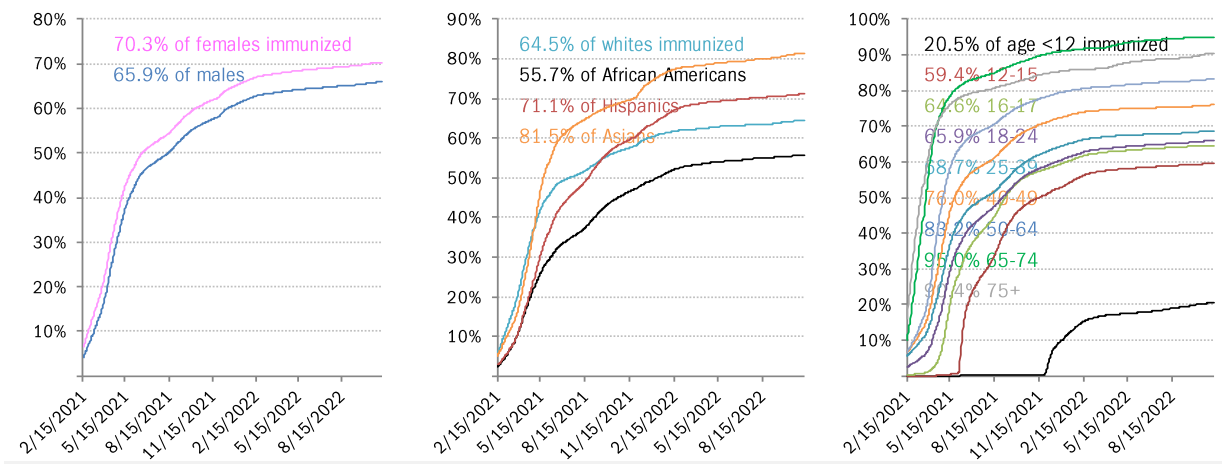
*Immunity" = two doses

Best
Middle
Worst

Global data differs due to sources, timing

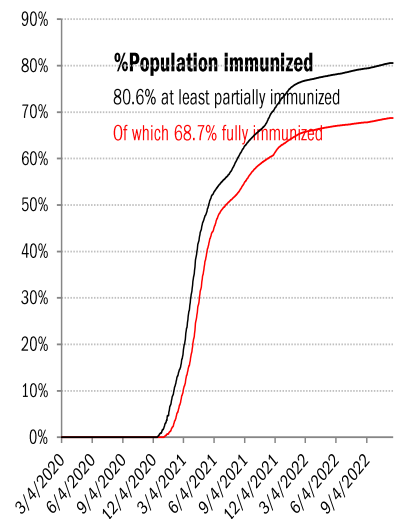
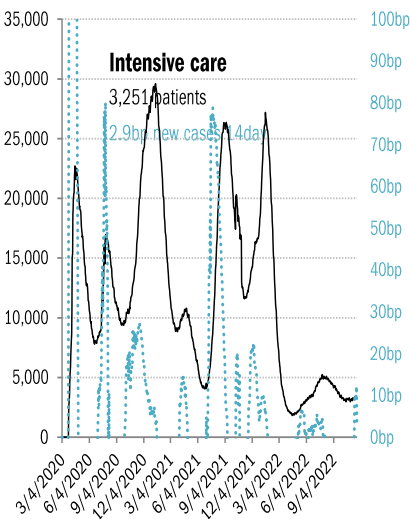
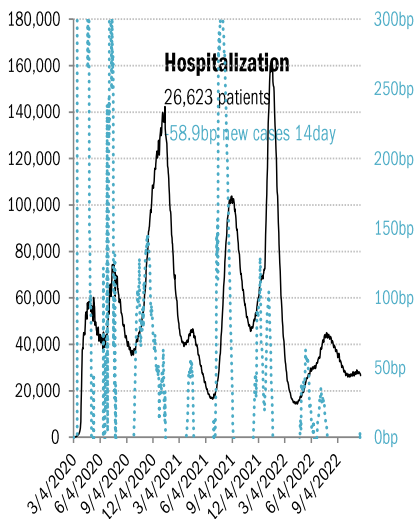
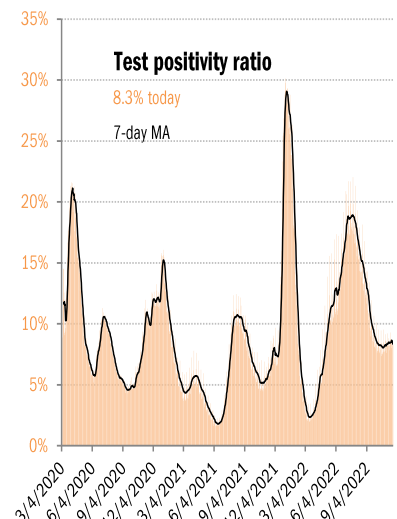
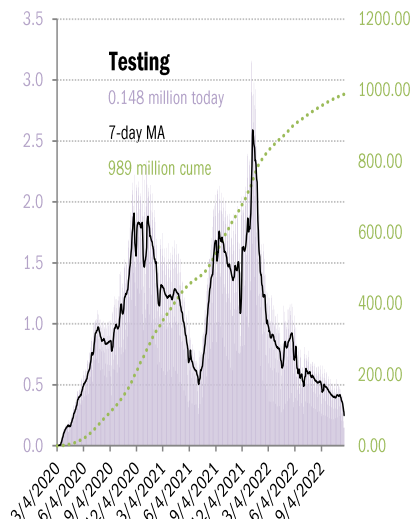
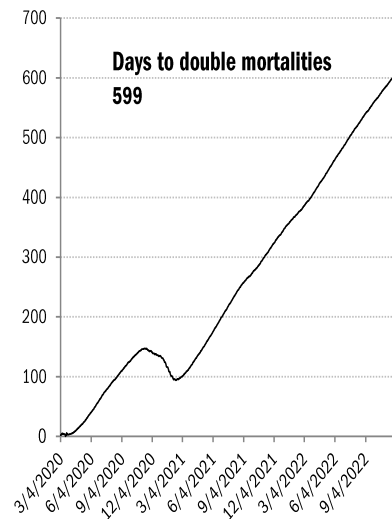
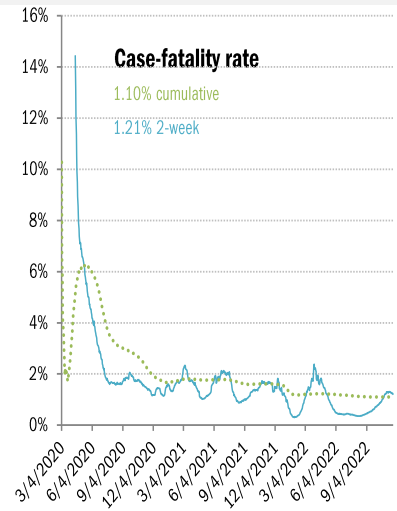
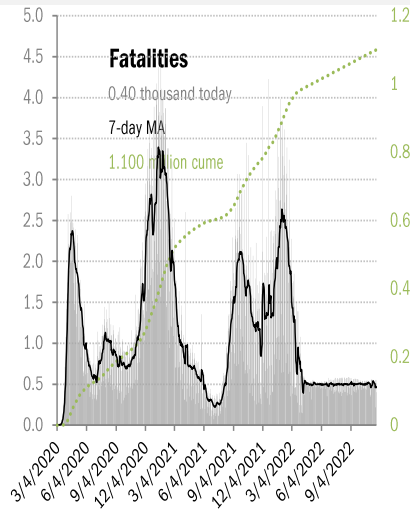
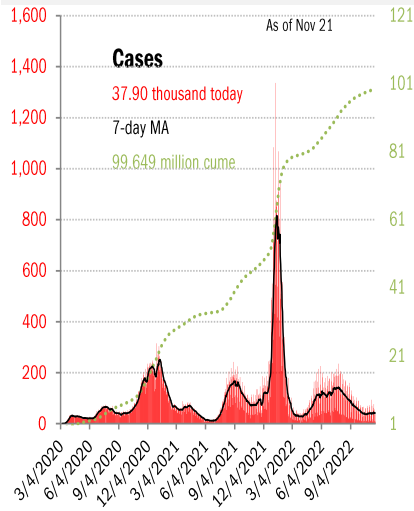
As of Nov 18										
					WI					ME
					74.4%					95.0%
					67.7%					82.5%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
84.4%	63.4%	67.7%	68.6%	78.0%	78.7%	69.0%		93.5%	95.0%	86.3%
75.3%	56.0%	58.7%	58.0%	71.5%	70.8%	61.9%		79.9%	84.6%	70.5%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
80.7%	78.1%	60.4%	82.6%	70.1%	63.9%	65.2%	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

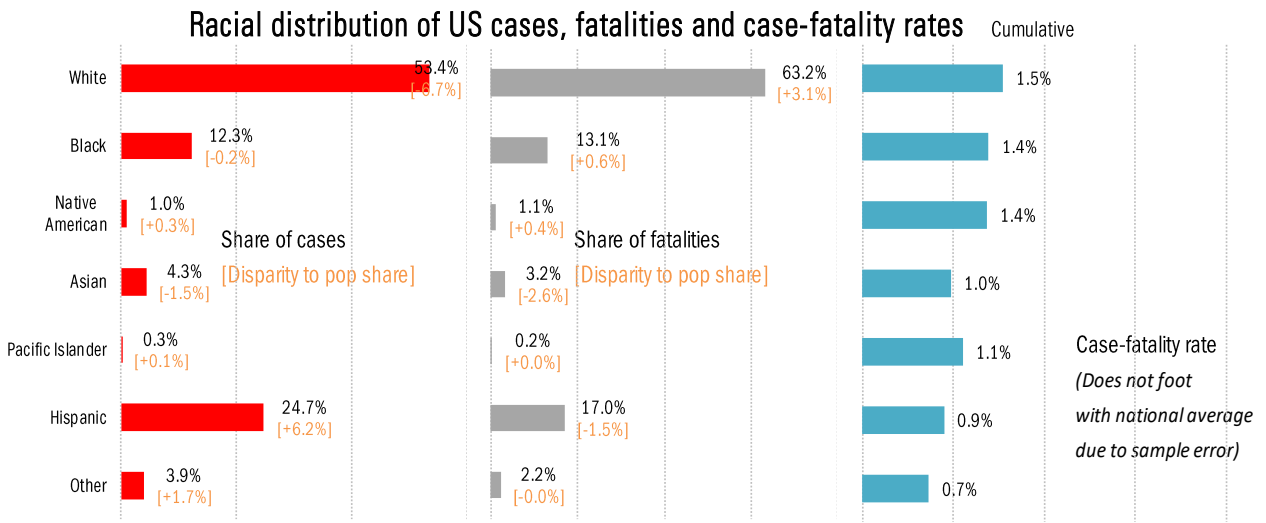
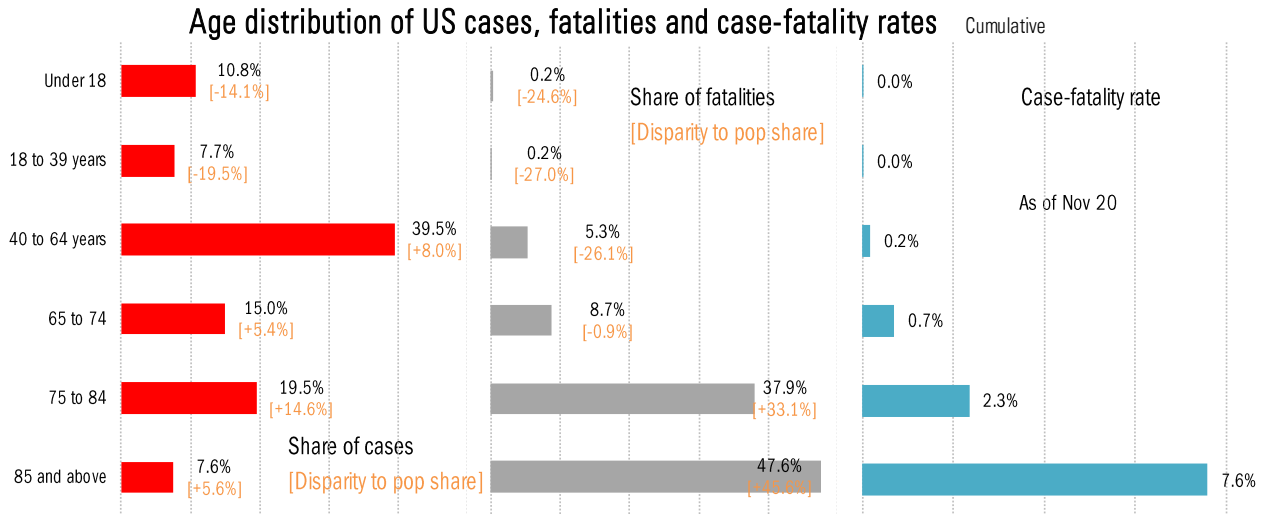


Source: CDC, CDC, Our World in Data, TrendMacro calculations

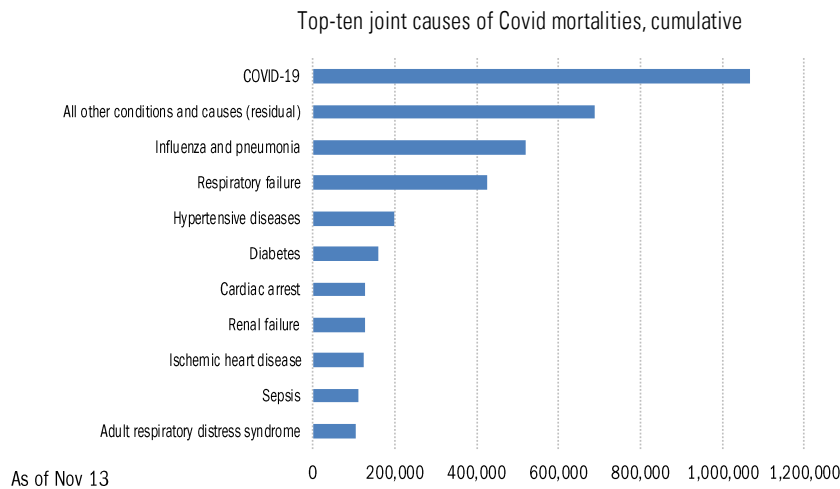
US deep-dive



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

[Disney and the Post-Pandemic Reckoning](#)

Wall Street Journal
November 21, 2022

[The Covid Medicaid Money Grab](#)

Tarren Bragdon and Sam Adolphsen
Wall Street Journal
November 20, 2022

[Covid Zero Returns to Chinese City Rumored to Be Reopening](#)

Emma O'Brien
Bloomberg
November 20, 2022

Meme of the Day

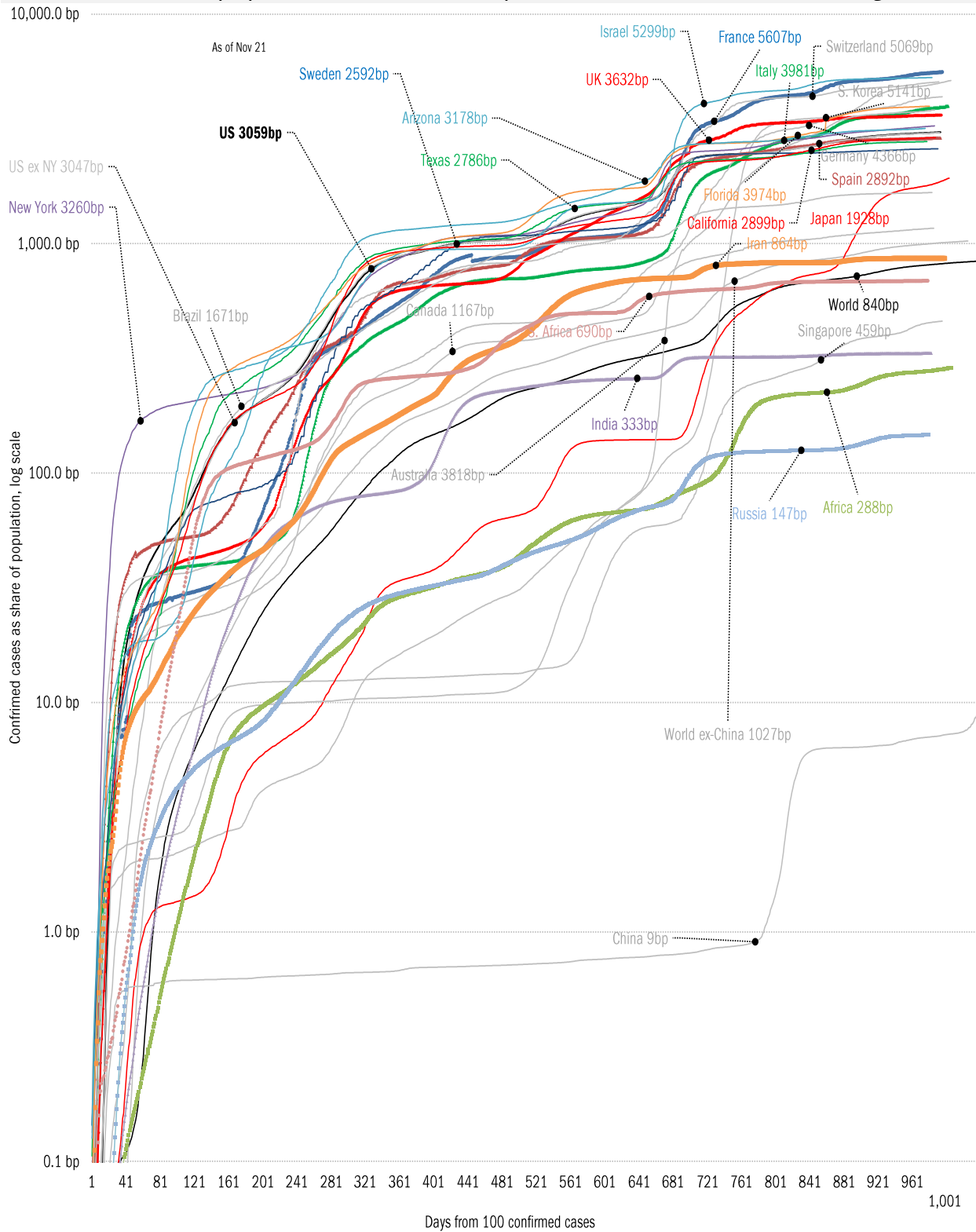
FLORIDA GOV. DESANTIS LIFTS
COVID RESTRICTIONS
STATEWIDE...



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

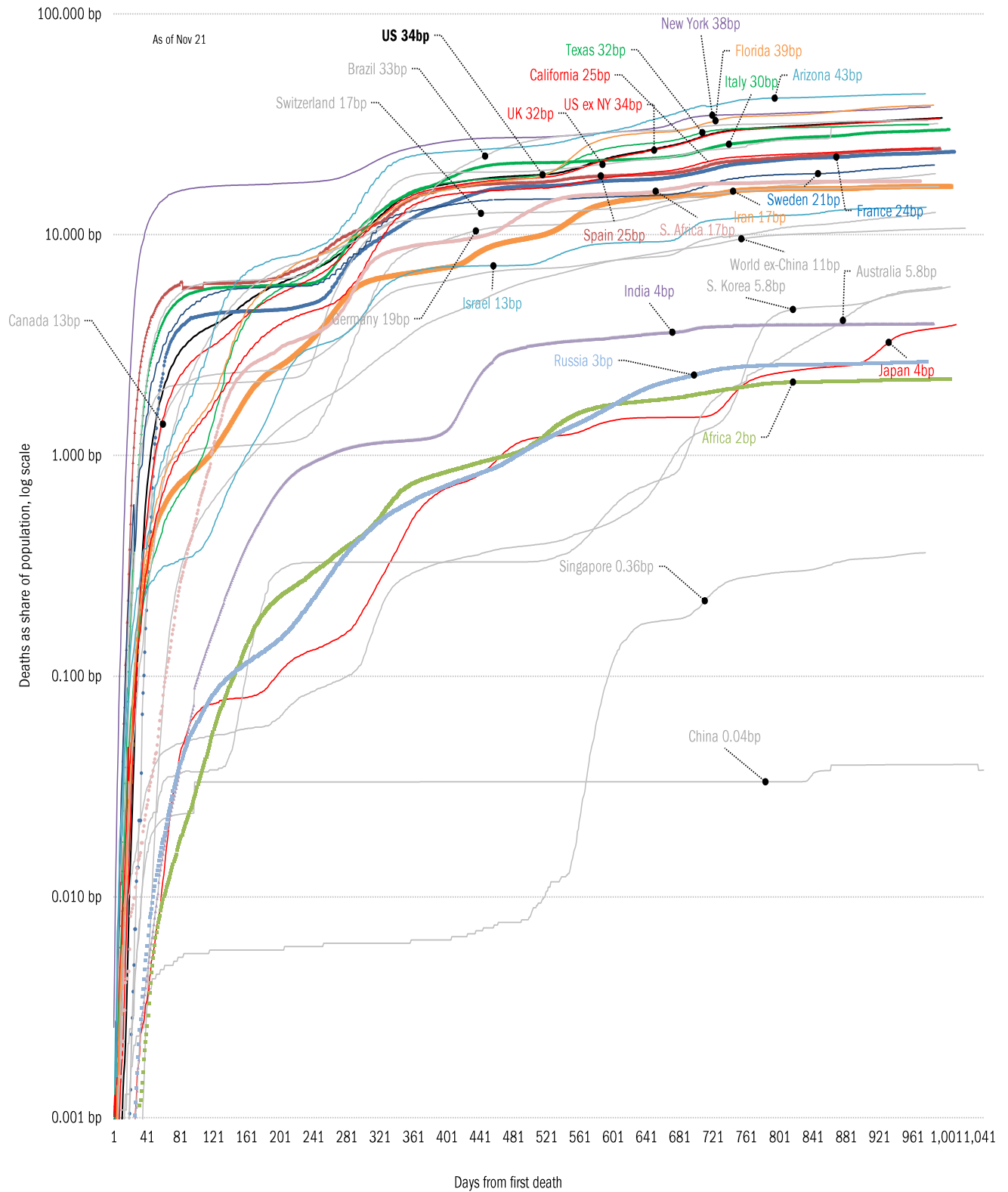
The global coronavirus case accelerometer... tracking the world's infection curves

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

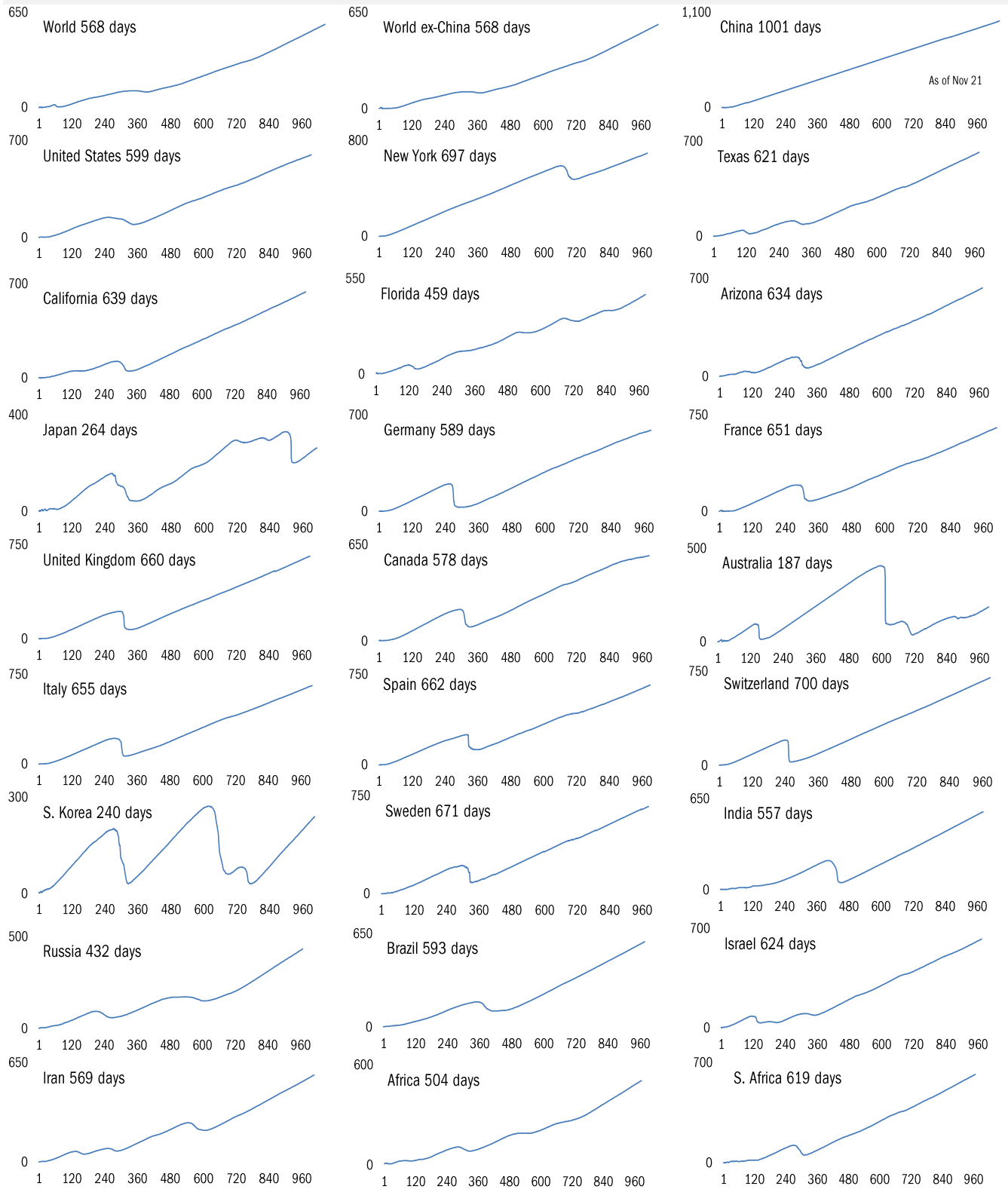


Source: [Johns Hopkins](#), TrendMacro calculations

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

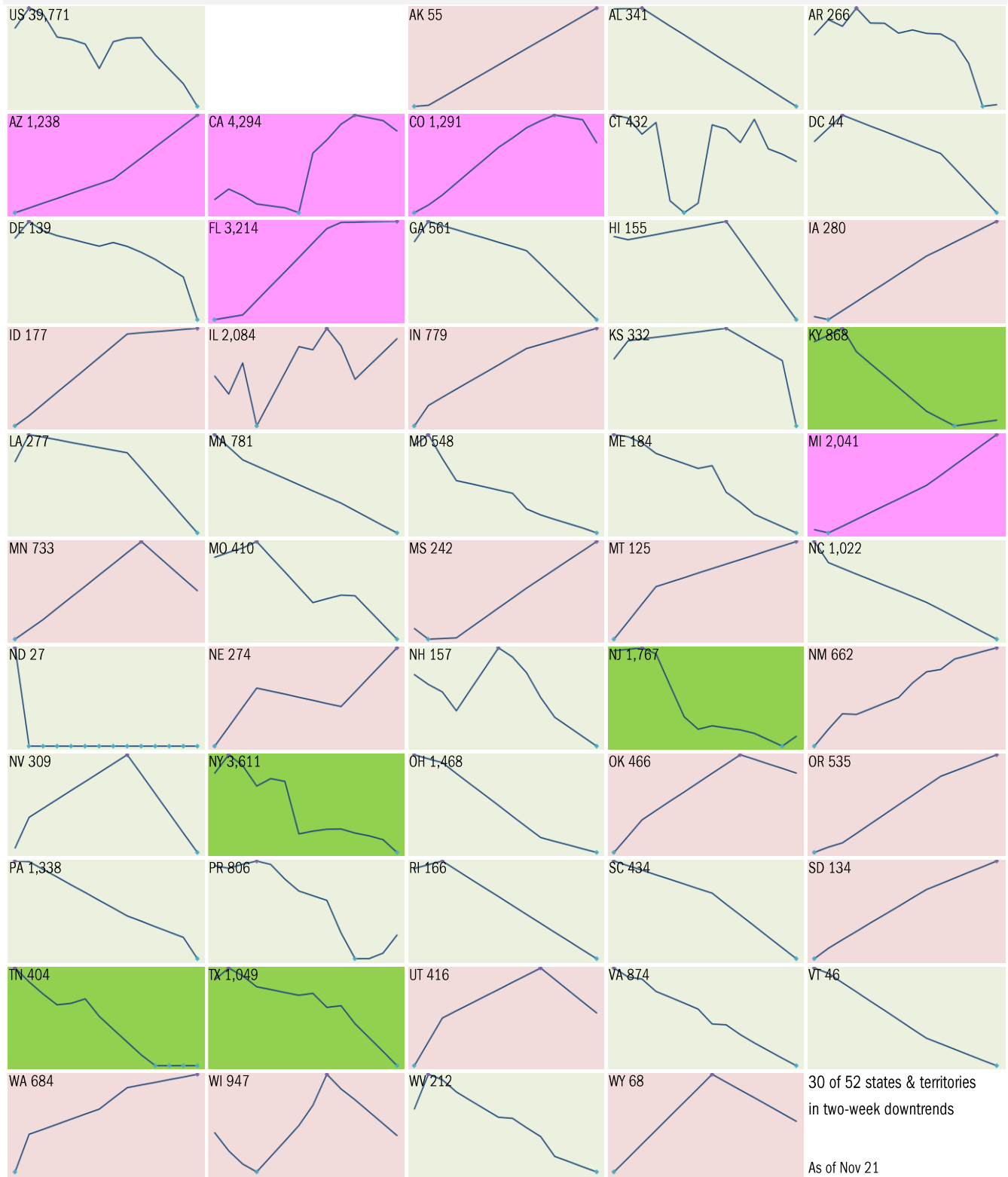


Source: [Johns Hopkins](#), TrendMacro calculations

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

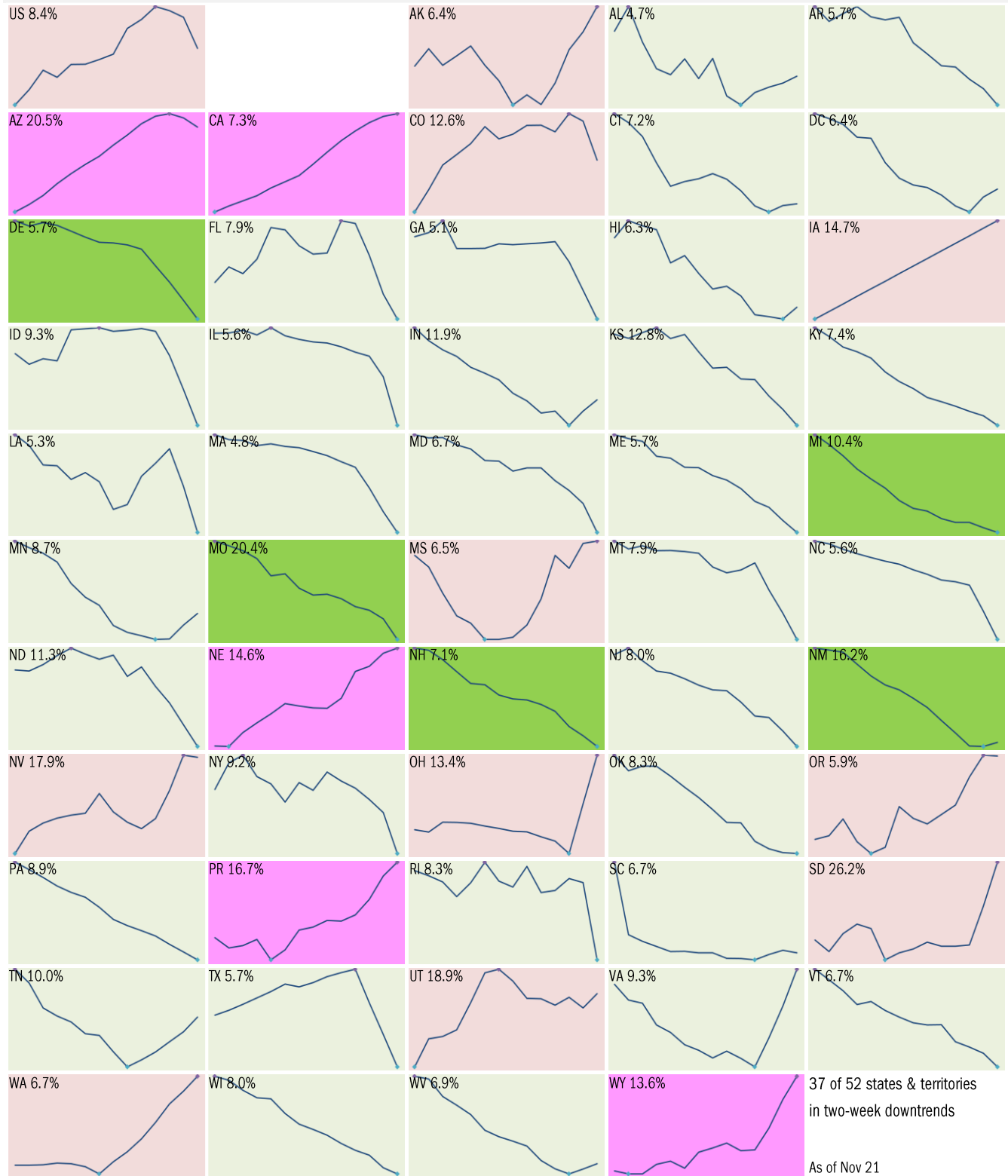


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

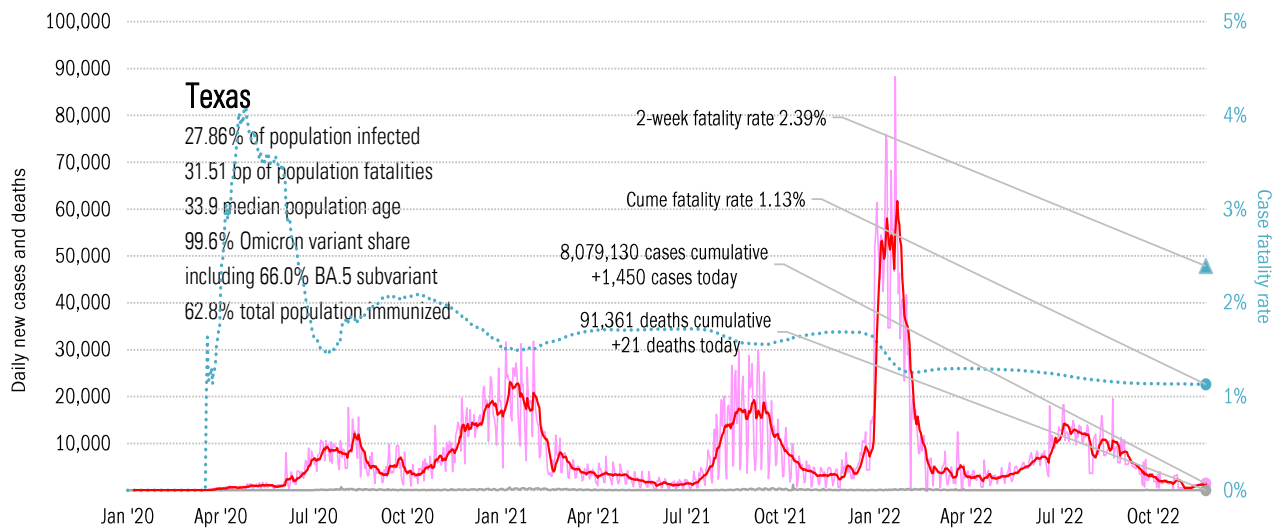
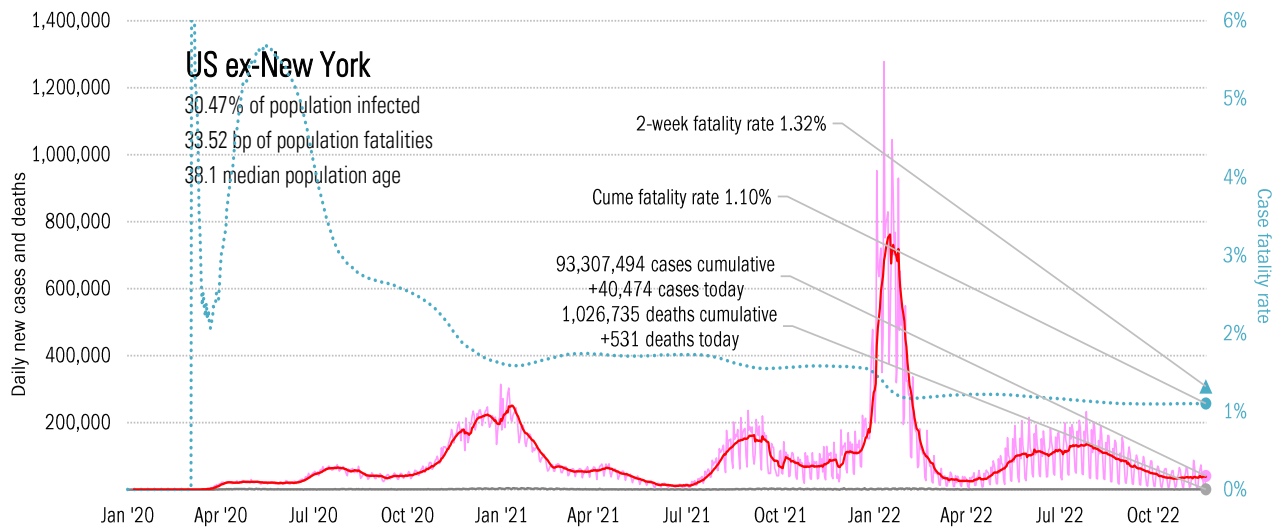
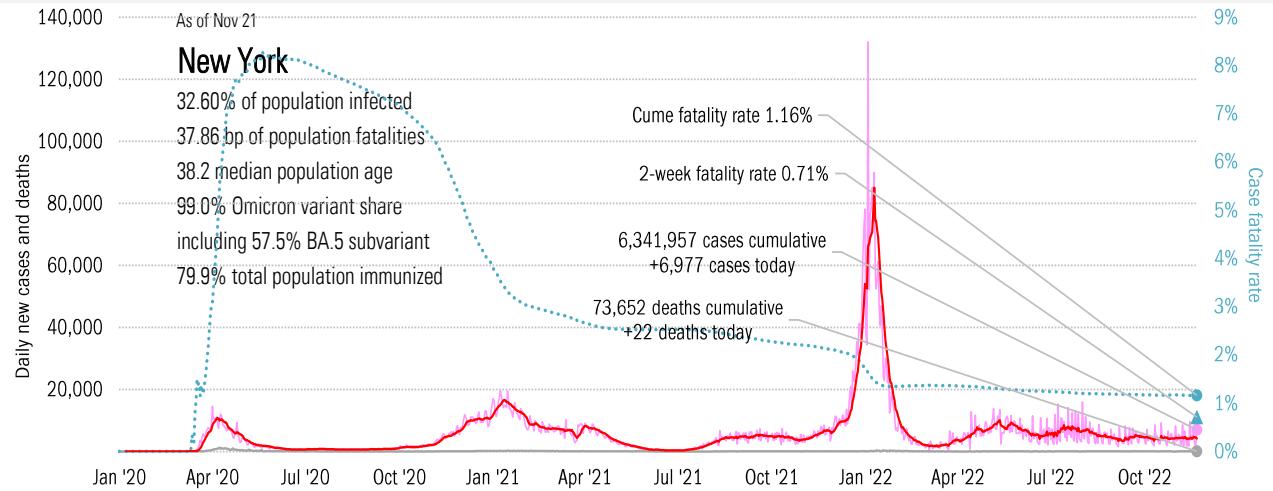
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

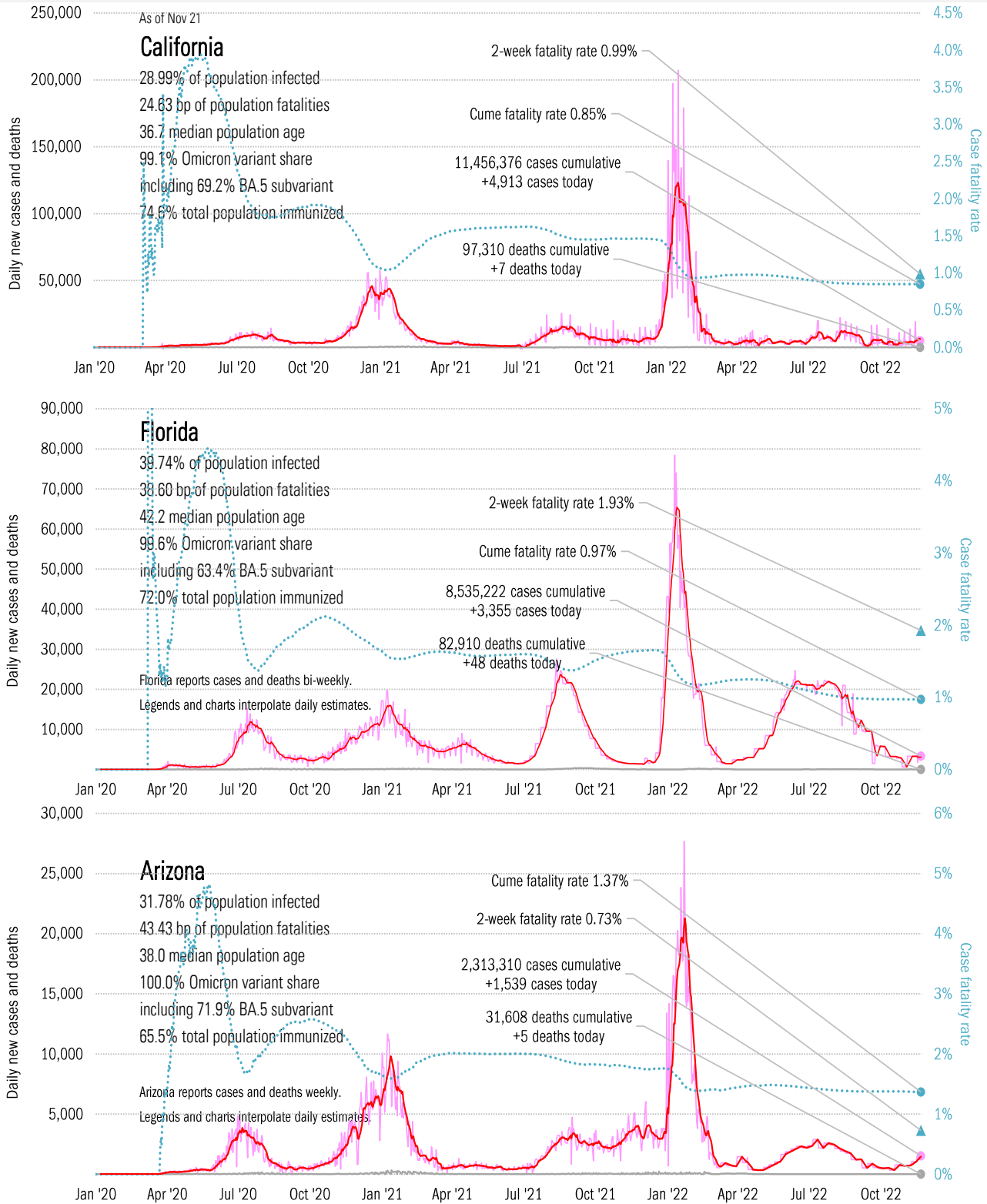
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

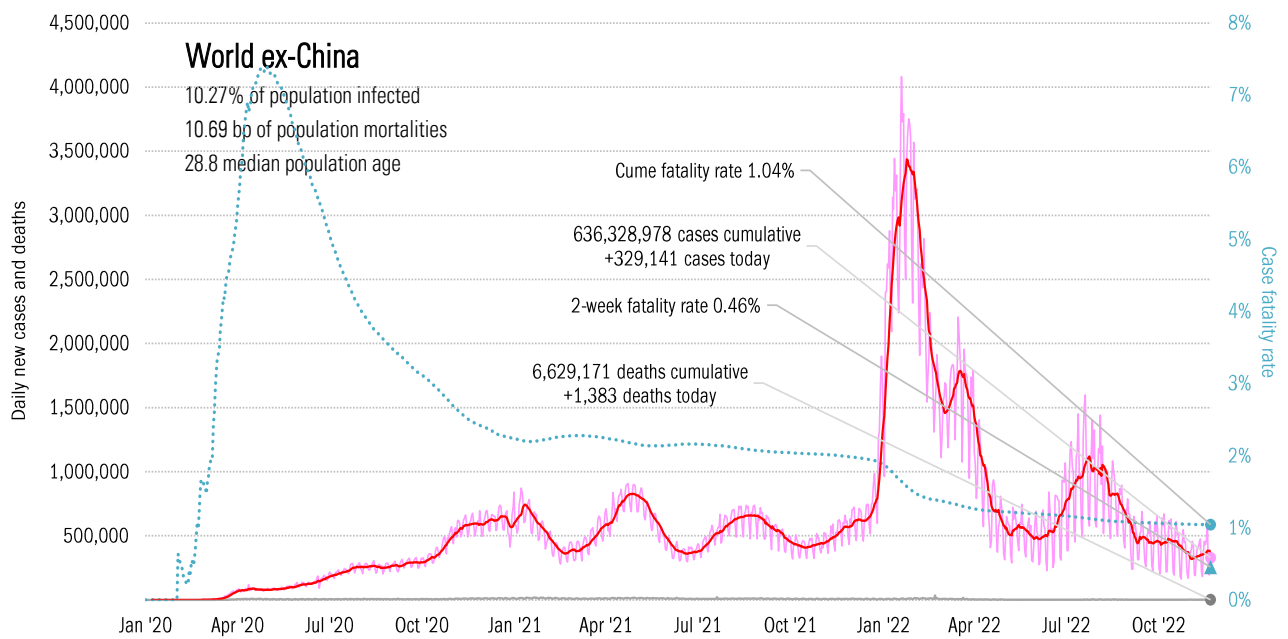
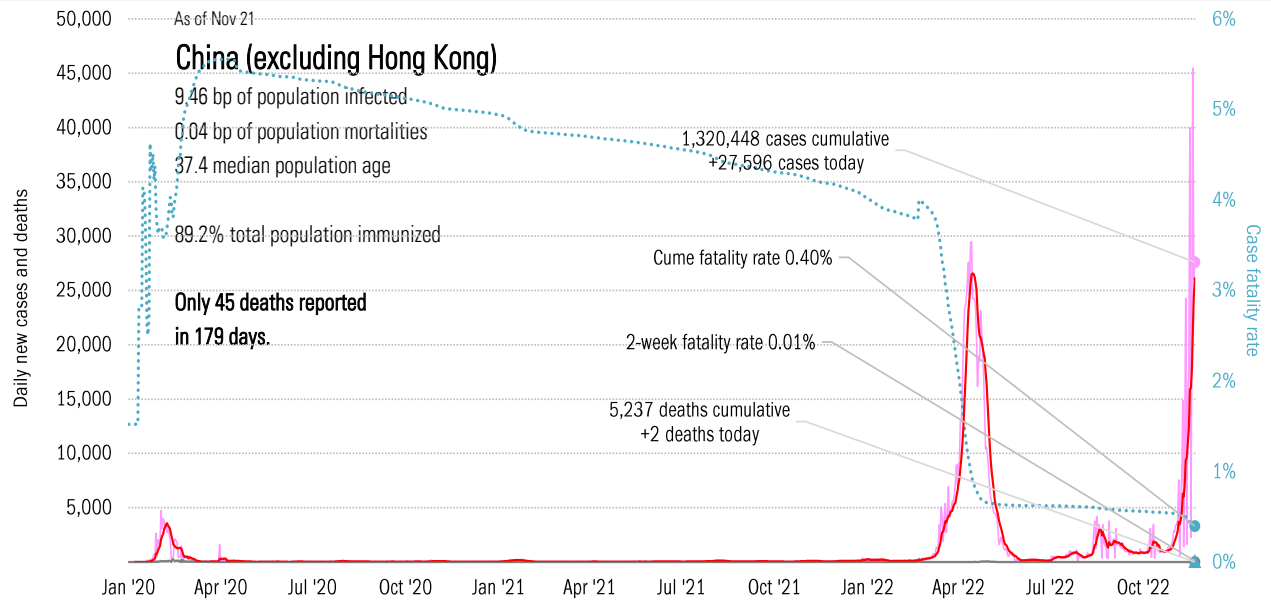
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

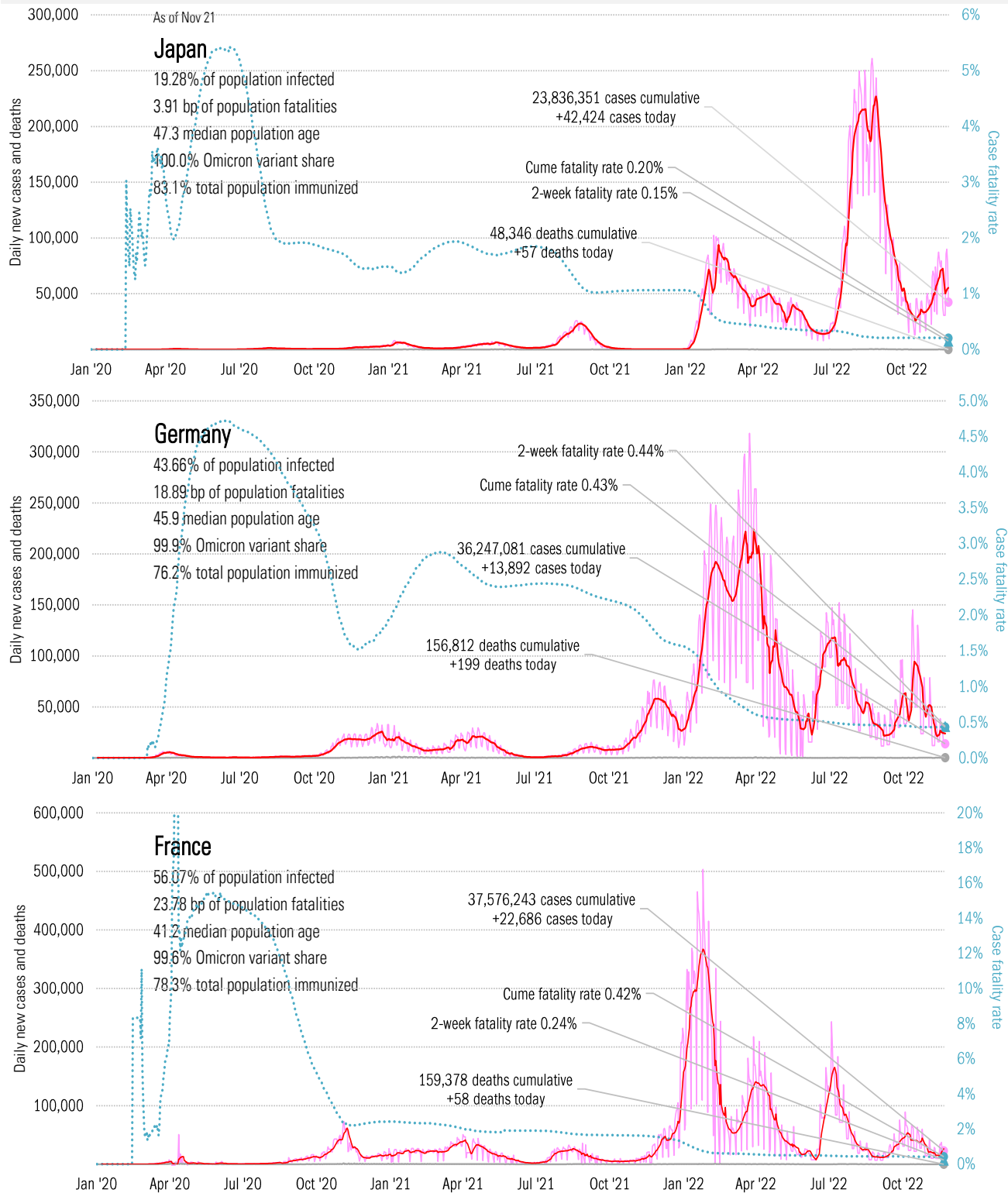
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

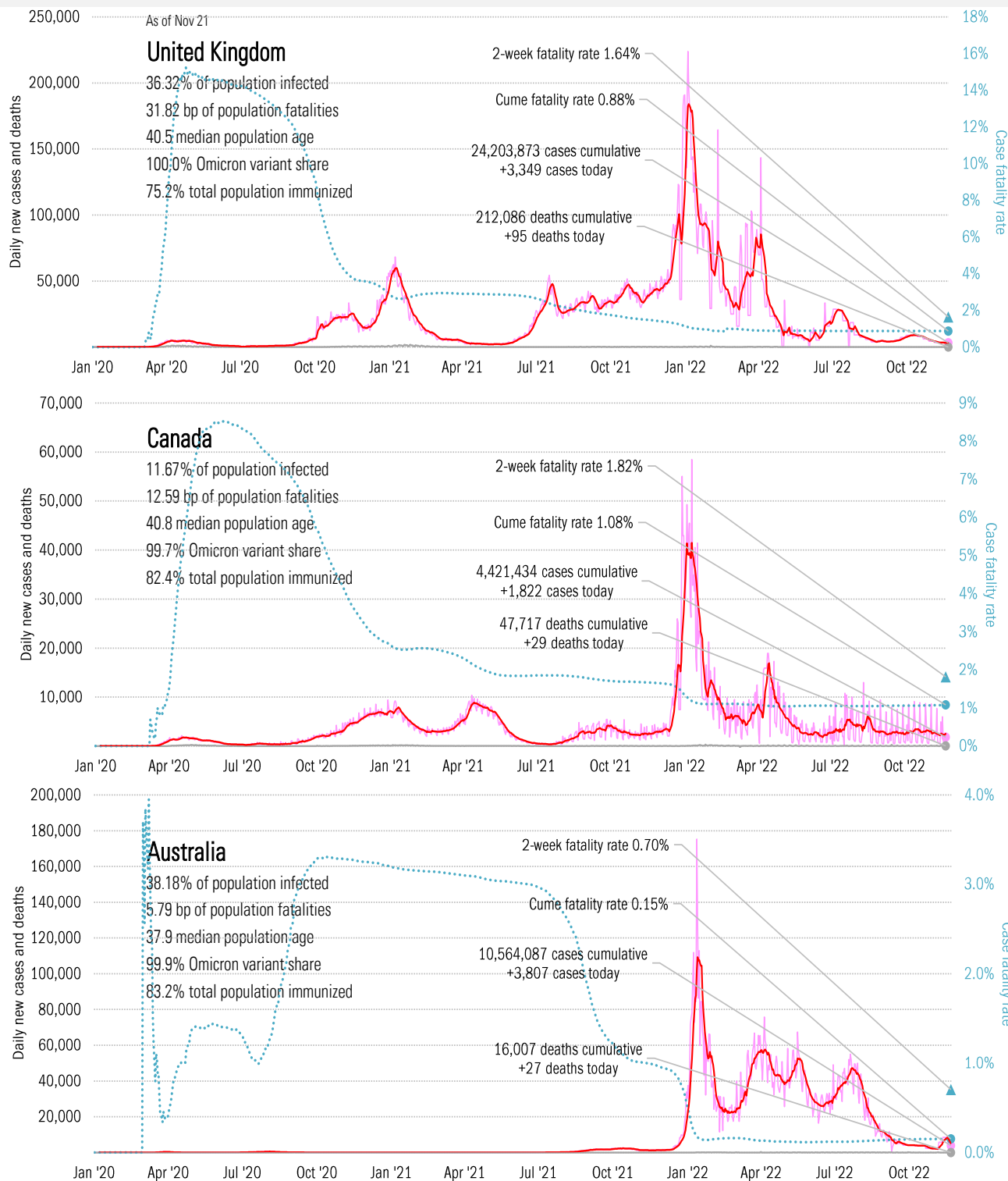
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

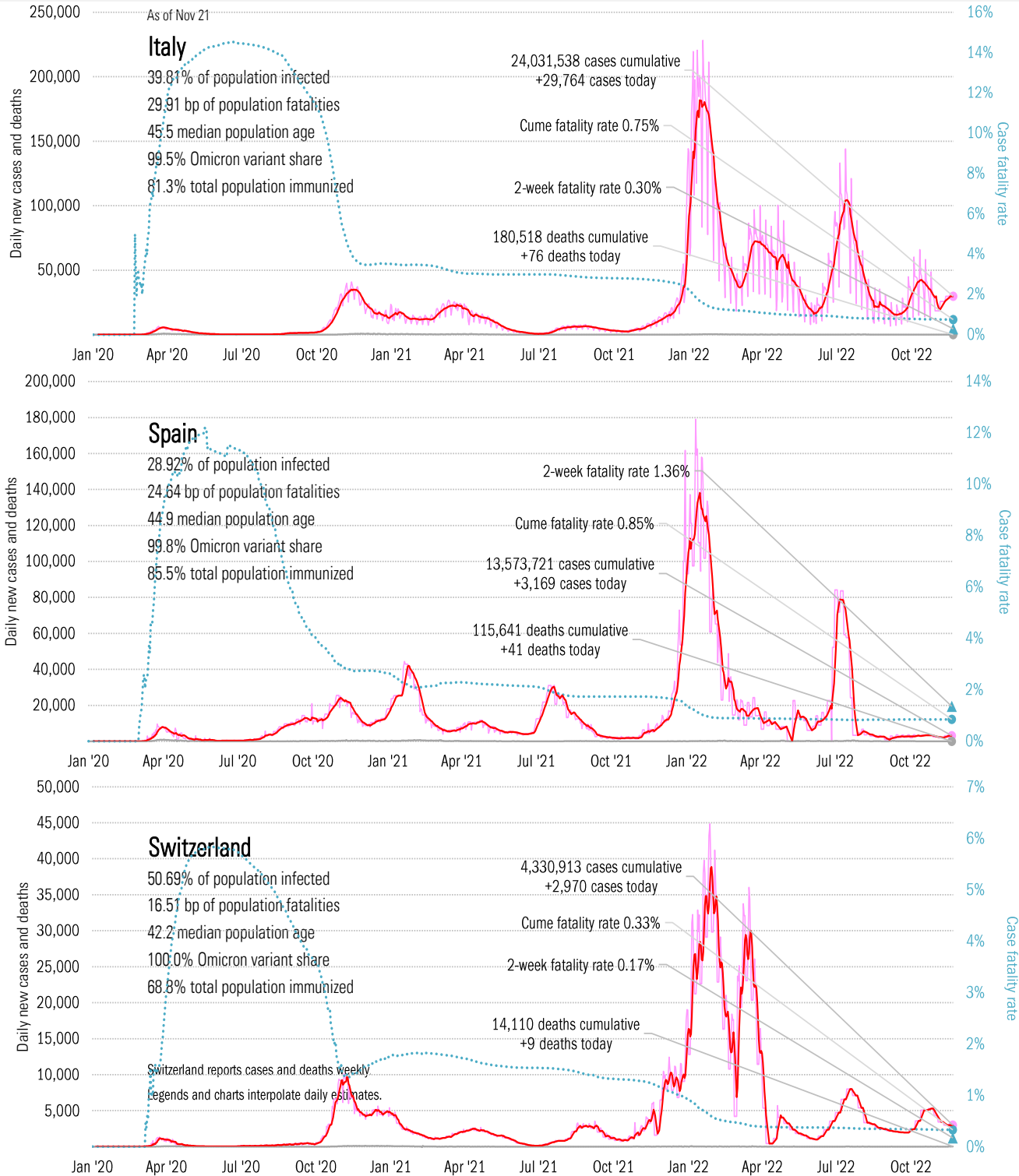
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

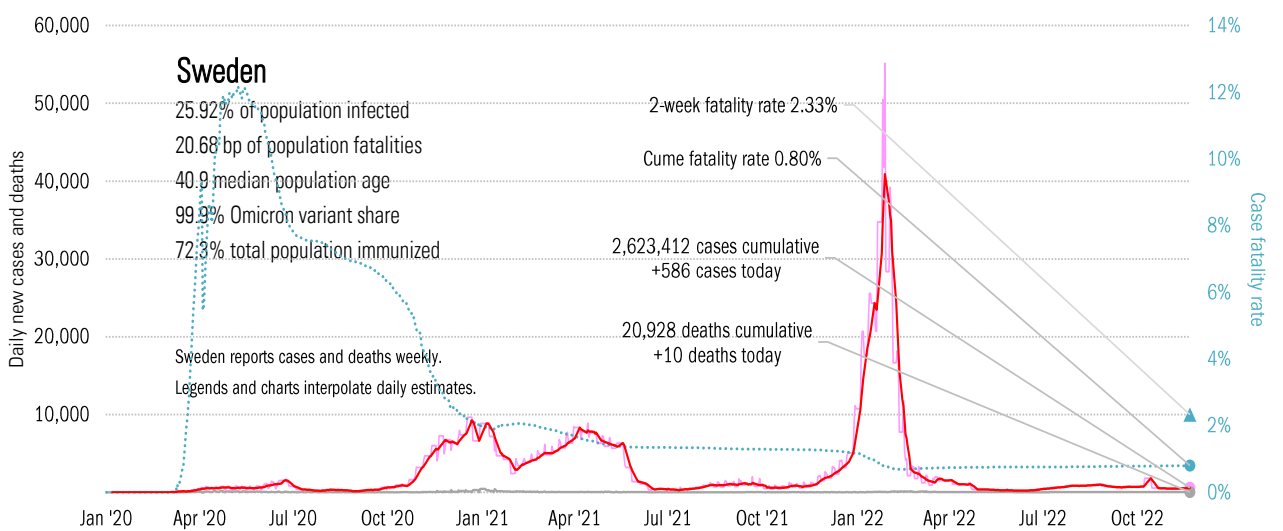
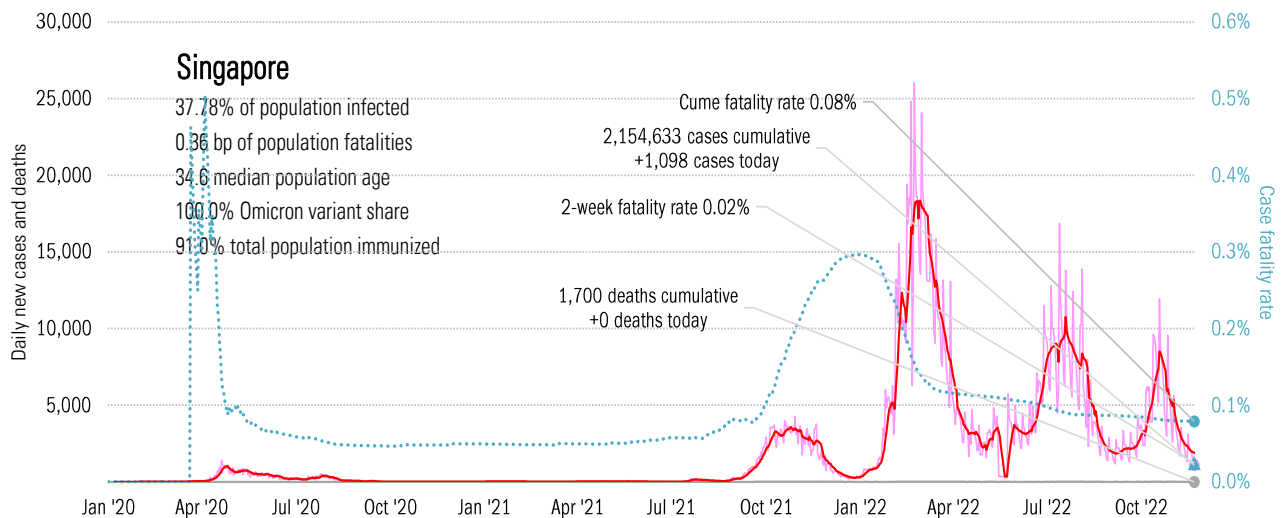
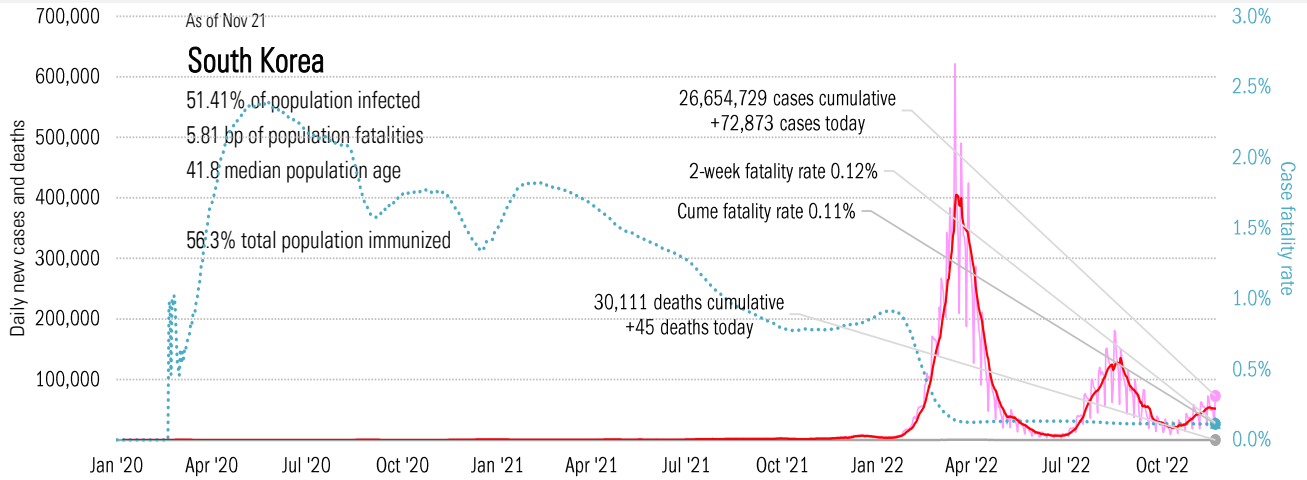
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

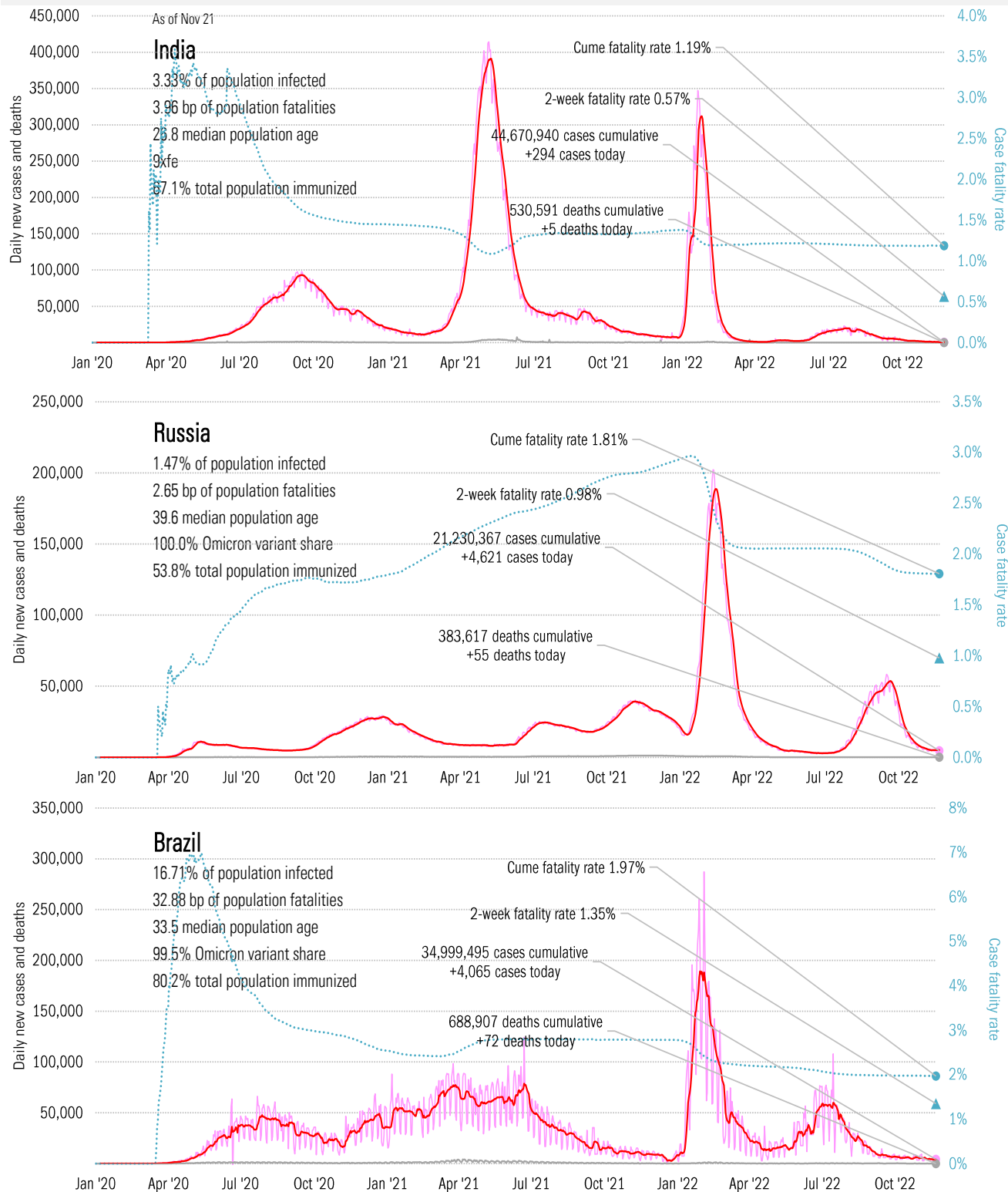
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

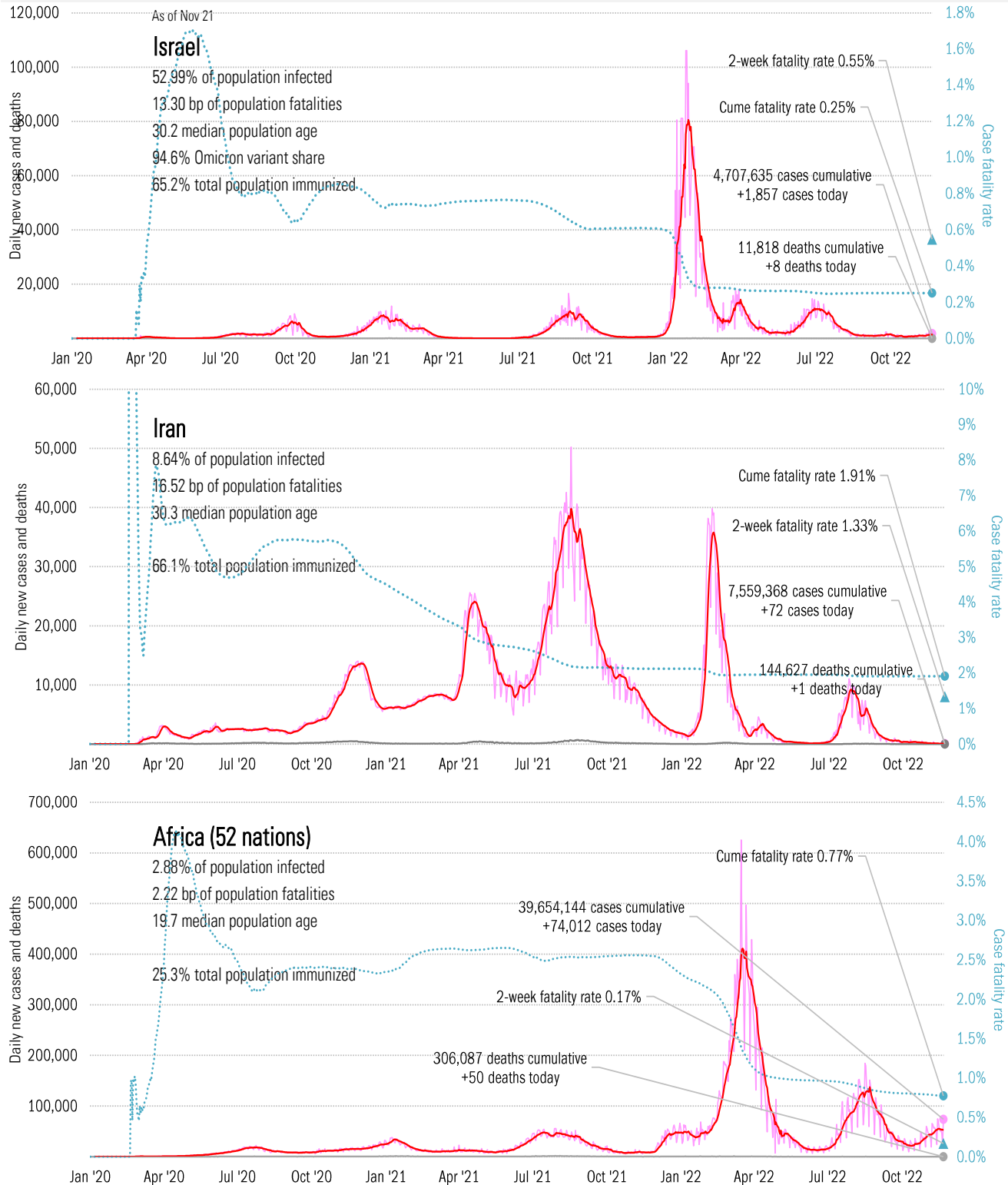
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

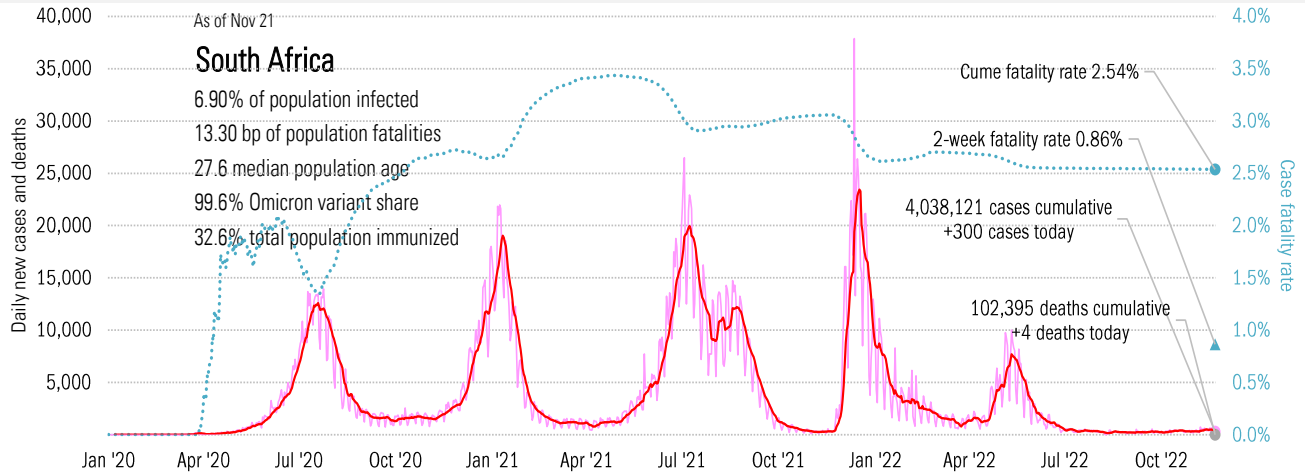
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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