

Data Insights: Covid-2019 Monitor

Saturday, November 26, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

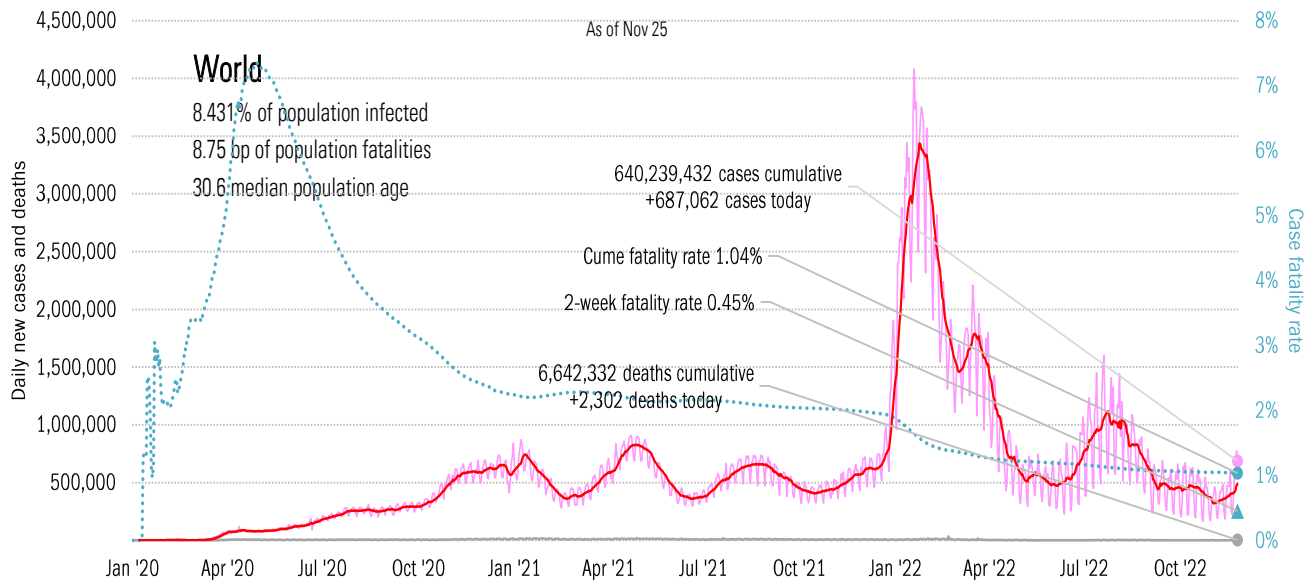
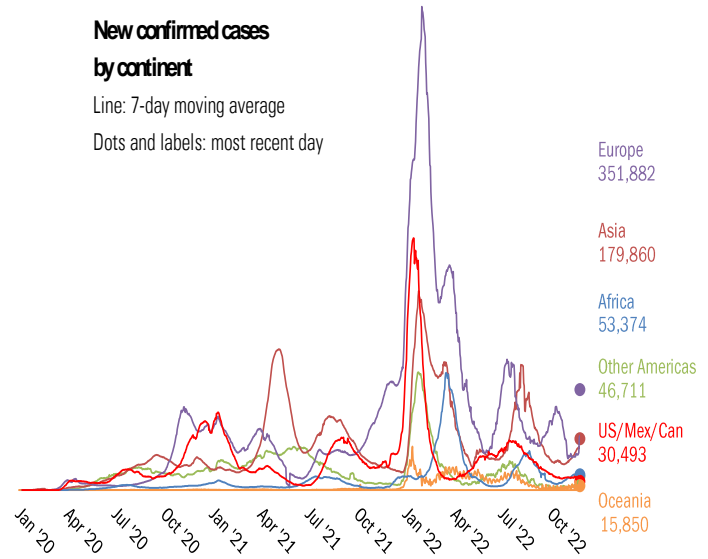
The worst ten countries

New cases		New Deaths	
Japan	117,840	Italy	83
Korea, South	52,648	United States	490
France	48,629	Spain	37
United States	46,831	Germany	107
Brazil	44,262	Brazil	100
Italy	32,732	Japan	100
China	31,928	France	68
Germany	24,687	Russia	56
Australia	15,806	Taiwan*	56
Taiwan*	14,183	Portugal	55
429,546		1,152	
World	687,062	World	2,302
Top ten	63%	Top ten	50%

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

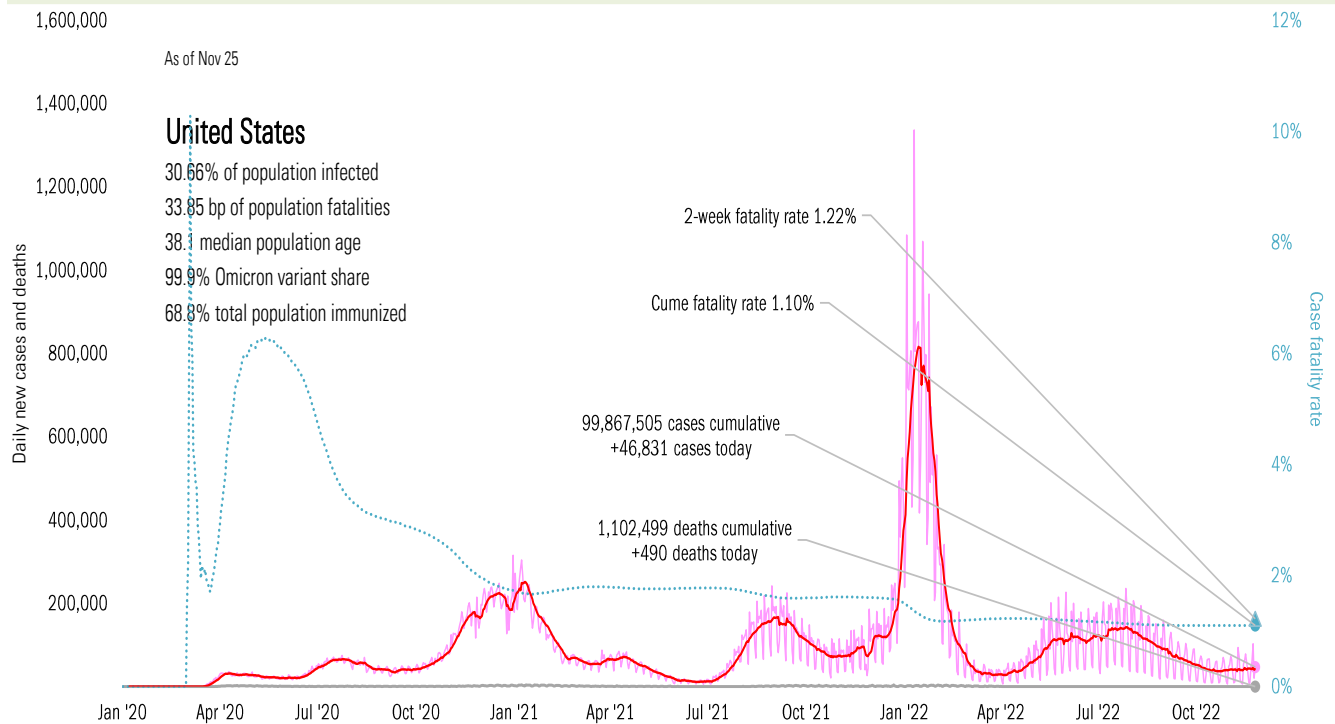
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	6,530		FL	48		TX	256		CA	11,492,488		CA	97,437		TX	555,023		RI	91%	NM	87%
TX	4,901		MI	39		CA	490		TX	8,084,617		TX	91,380		CA	516,974		MN	87%	MA	85%
FL	3,355		NE	31		GA	103		FL	7,239,478		FL	82,875		FL	503,305		MA	86%	TX	85%
IL	2,711		VA	28		AZ	157		NY	6,353,707		NY	73,803		NY	319,043		WA	85%	AK	84%
CO	2,154		NV	24		MO	98		IL	3,860,866		PA	48,271		GA	229,746		MO	83%	NH	83%
NY	2,118		CA	21		OK	48		PA	3,350,067		GA	41,024		CH	227,193		NH	82%	NC	83%
VA	1,916		UT	21		LA	66		NC	3,268,501		CH	40,466		PA	213,526		WV	81%	RI	81%
AZ	1,916		PA	21		MA	103		CH	3,227,759		IL	40,247		IL	195,270		CA	81%	AL	80%
KY	1,834		NY	16		MI	117		GA	2,937,280		MI	39,972		MI	169,848		CT	80%	WV	78%
CH	1,571		WI	16		CO	118		MI	2,929,612		NJ	35,079		KY	147,699		DE	80%	NV	78%
29,006			265			1,556			52,744,375			590,554			3,077,627						
All states 46,831			490			3,950			All states 99,867,505			1,102,499			5,590,850			All states 70%		67%	
Top ten 62%			54%			39%			Top ten 53%			55%			55%			Median 75%		73%	

Some states not reporting

Five most improved US states

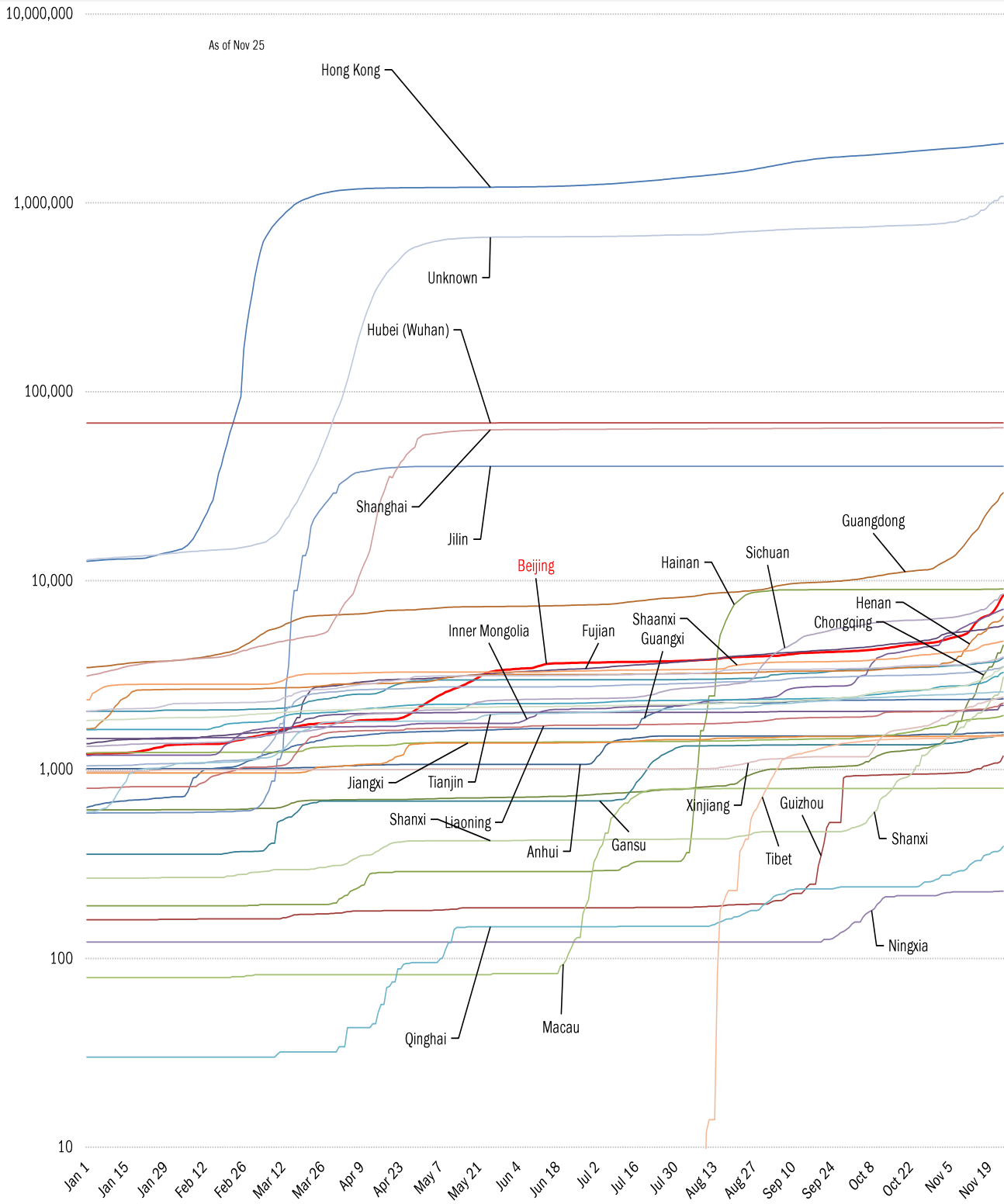
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
WI	-861	NY	-56	CA	-87
NY	-792	CA	-40	NY	-78
CT	-407	ME	-1	PA	-39
AR	-324	AK	0	MD	-37
AK	0	AL	0	IA	-26



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"

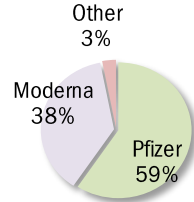


Source: [Johns Hopkins](#), TrendMacro calculations

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

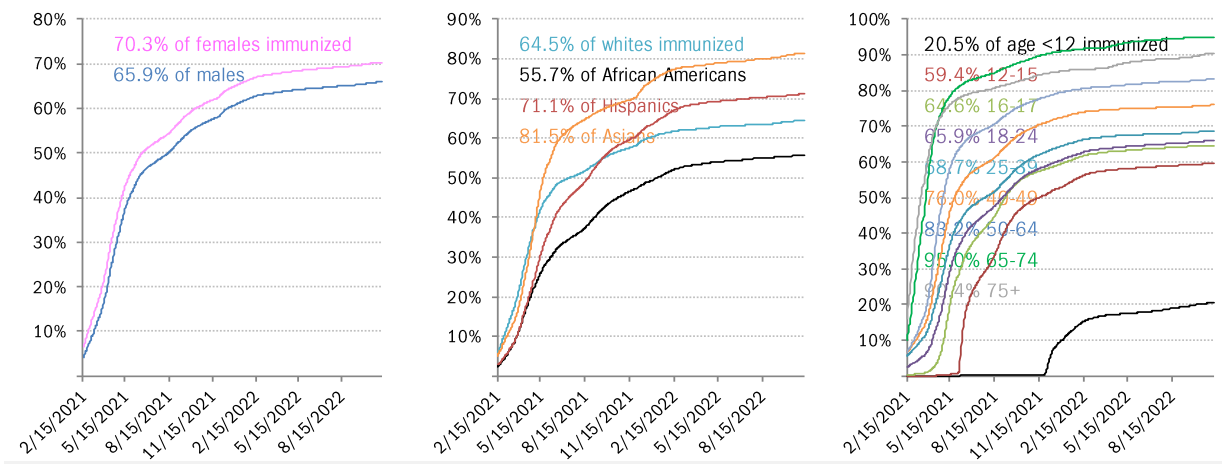
"Immunity" = two doses

Best
Middle
Worst

Global data differs due to sources, timing

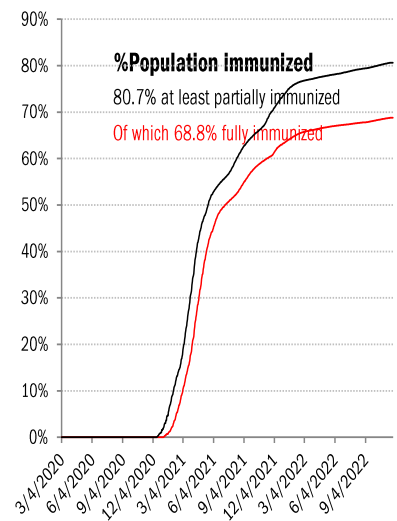
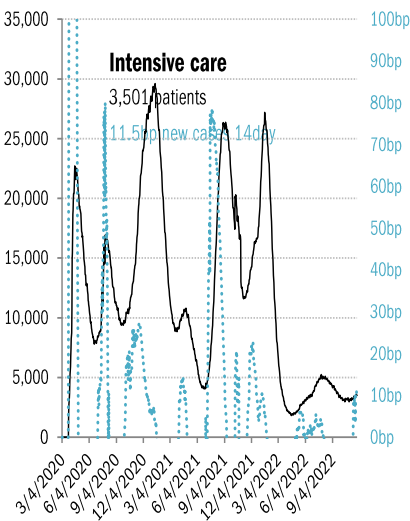
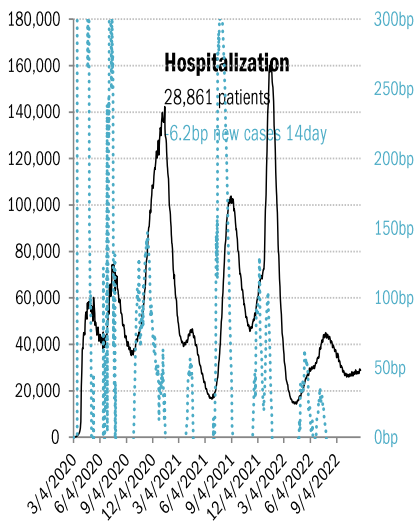
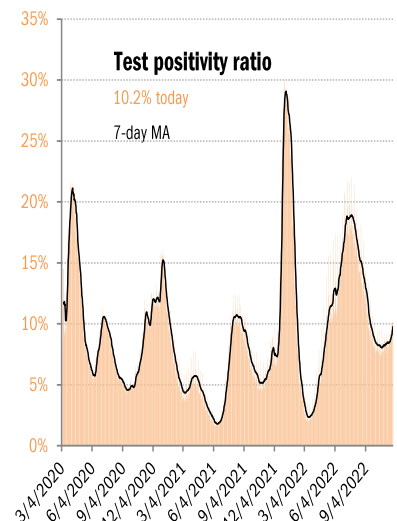
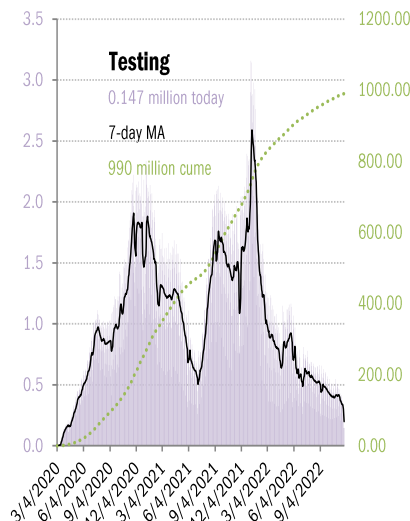
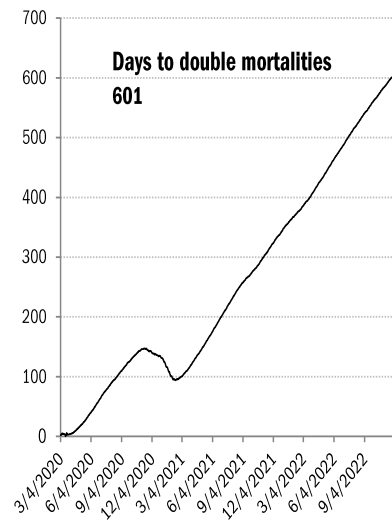
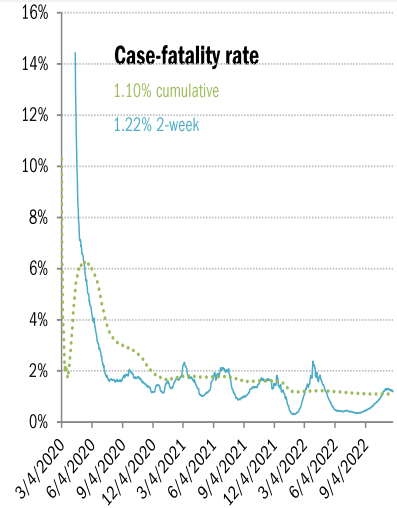
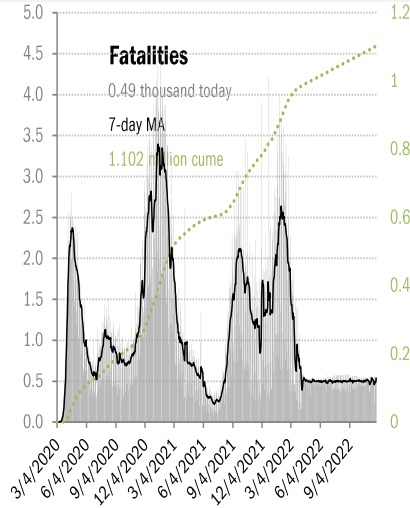
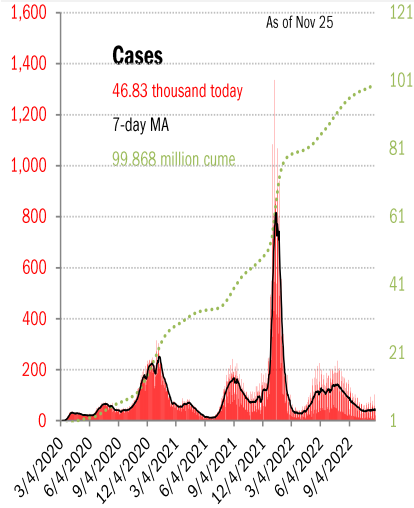
As of Nov 18										
					WI					ME
					74.4%					95.0%
					67.7%					82.5%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
84.4%	63.4%	67.7%	68.6%	78.0%	78.7%	69.0%		93.5%	95.0%	86.3%
75.3%	56.0%	58.7%	58.0%	71.5%	70.8%	61.9%		79.9%	84.6%	70.5%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
80.7%	78.1%	60.4%	82.6%	70.1%	63.9%	65.2%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

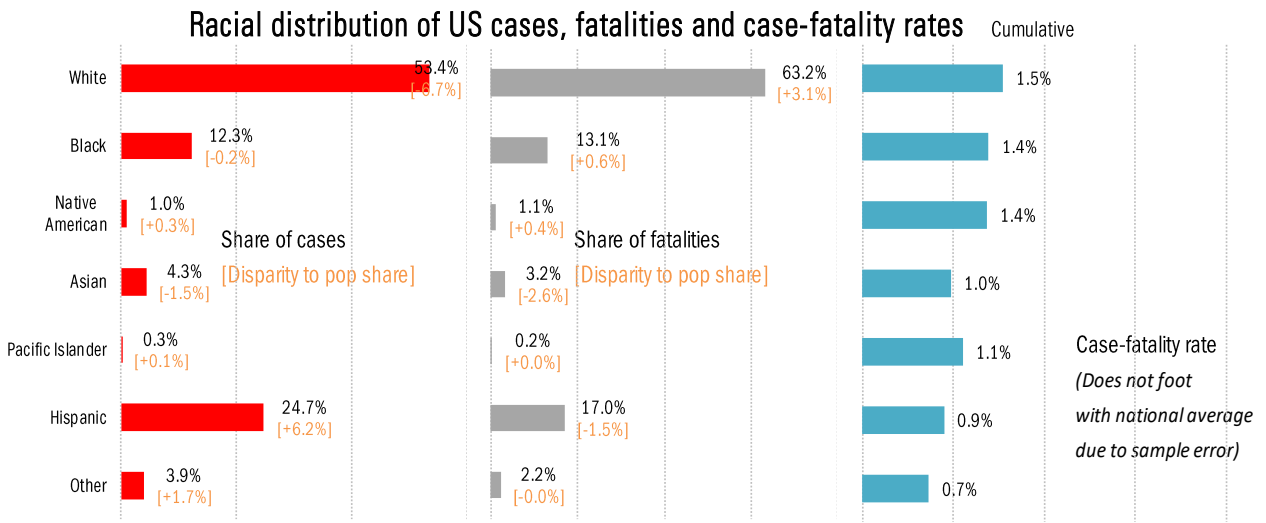
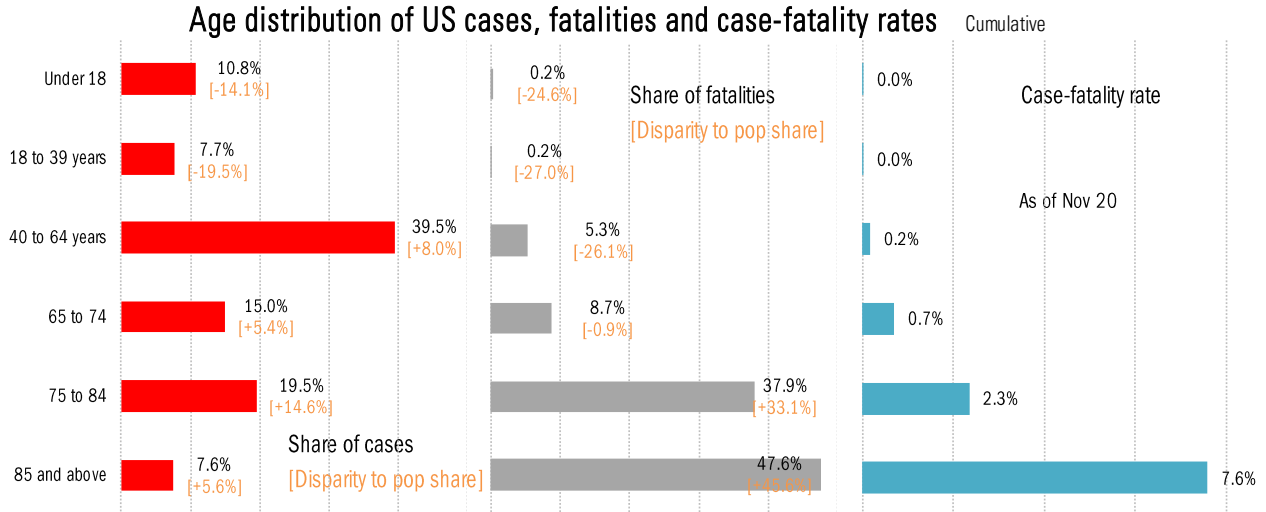


Source: CDC, CDC, Our World in Data, TrendMacro calculations

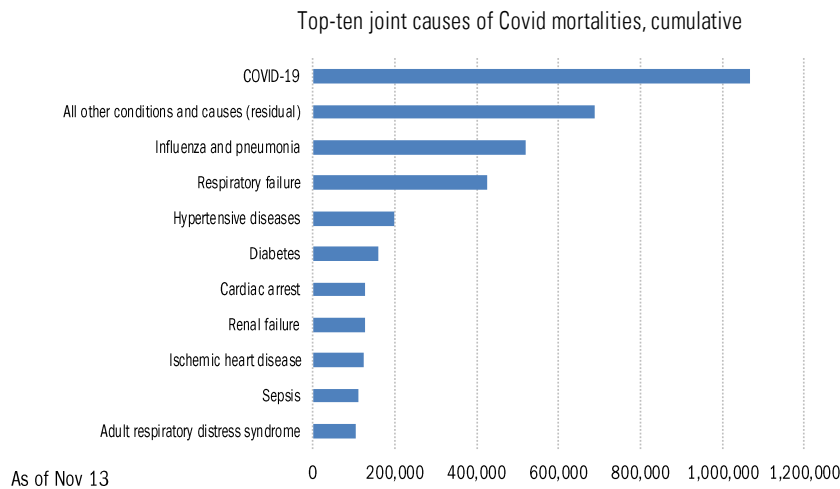
US deep-dive



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

[Ukrainian Hospital Stymied Russians With Defiant Doctors and a Fake Covid Outbreak](#)

Ian Lovett
Wall Street Journal
November 25, 2022

[White House resists declaring emergency as flu, viruses surge in children](#)

Nathaniel Weixel
The Hill
November 25, 2022

[An iPhone Factory Needs Workers. The Chinese Government Wants to Help.](#)

Chang Che and John Liu
New York Times
November 18, 2022

[Apple iPhone Factory in China Offers \\$1,400 Payments to Quell Worker Unrest](#)

Selina Cheng and Yang Jie
Wall Street Journal
November 24, 2022

[Apple iPhone factory workers clash with police in China](#)

Ryan McMorrow, Nian Liu and Gloria Li
Financial Times
November 23, 2022

[Fear of Quarantine Camps, Not Covid, Is Shutting Down Beijing](#)

Bloomberg
November 25, 2022

[China Covid-19 Cases Hit Record High, Forcing Fresh Control Measures](#)

Raffaele Huang
Wall Street Journal
November 24, 2022

Meme of the Day

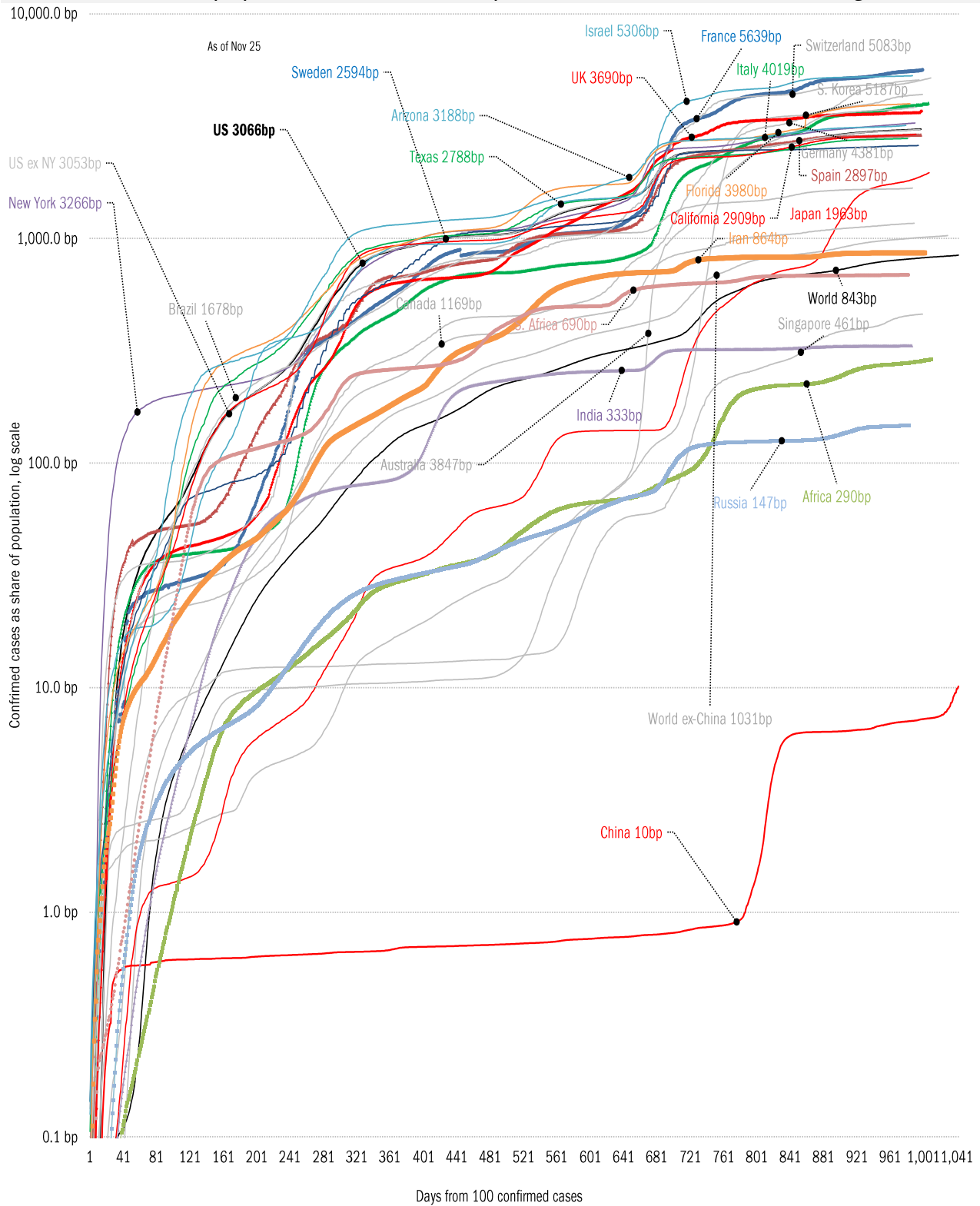
These are the people who report your memes



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

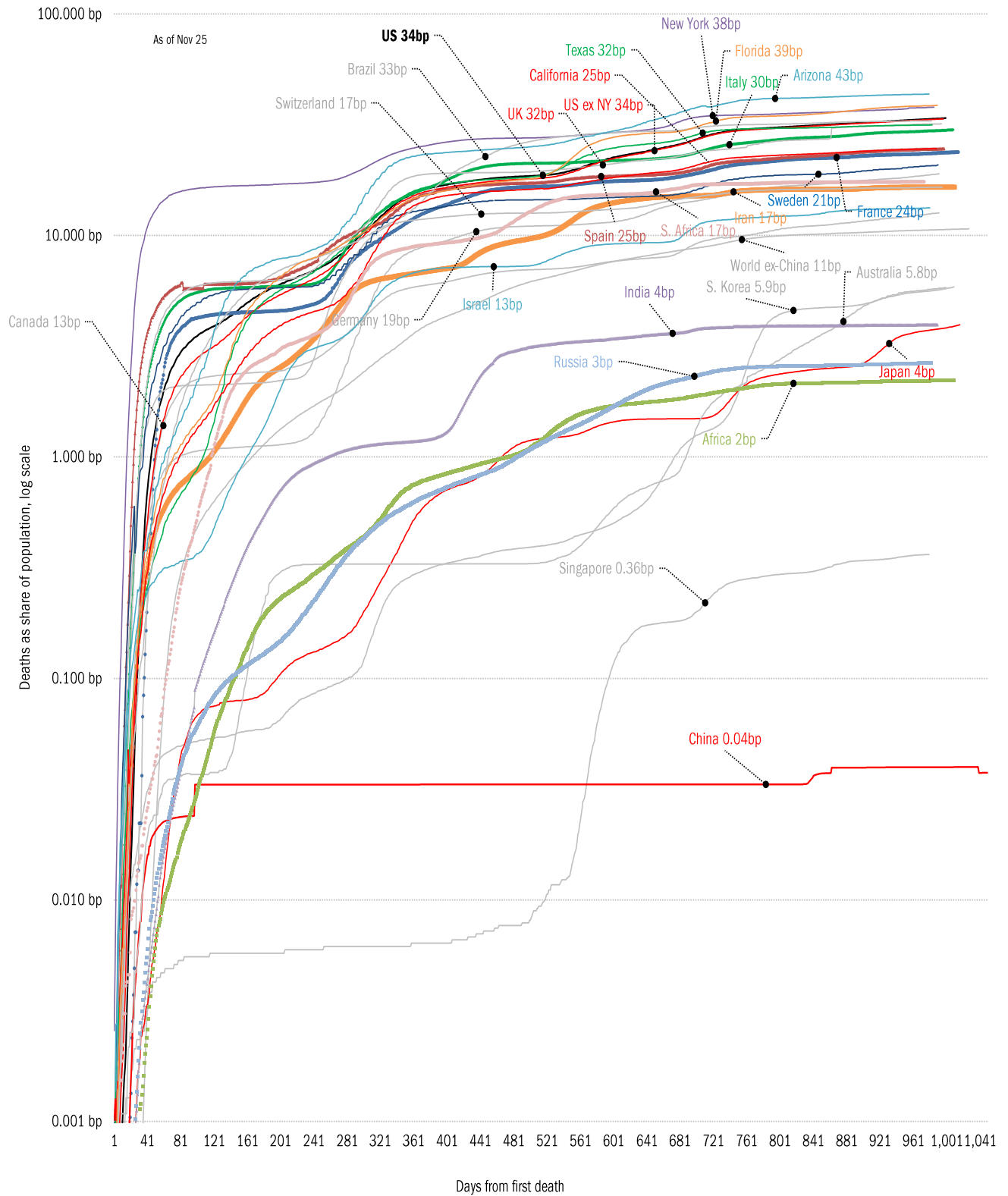
The global coronavirus case accelerometer... tracking the world's infection curves

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

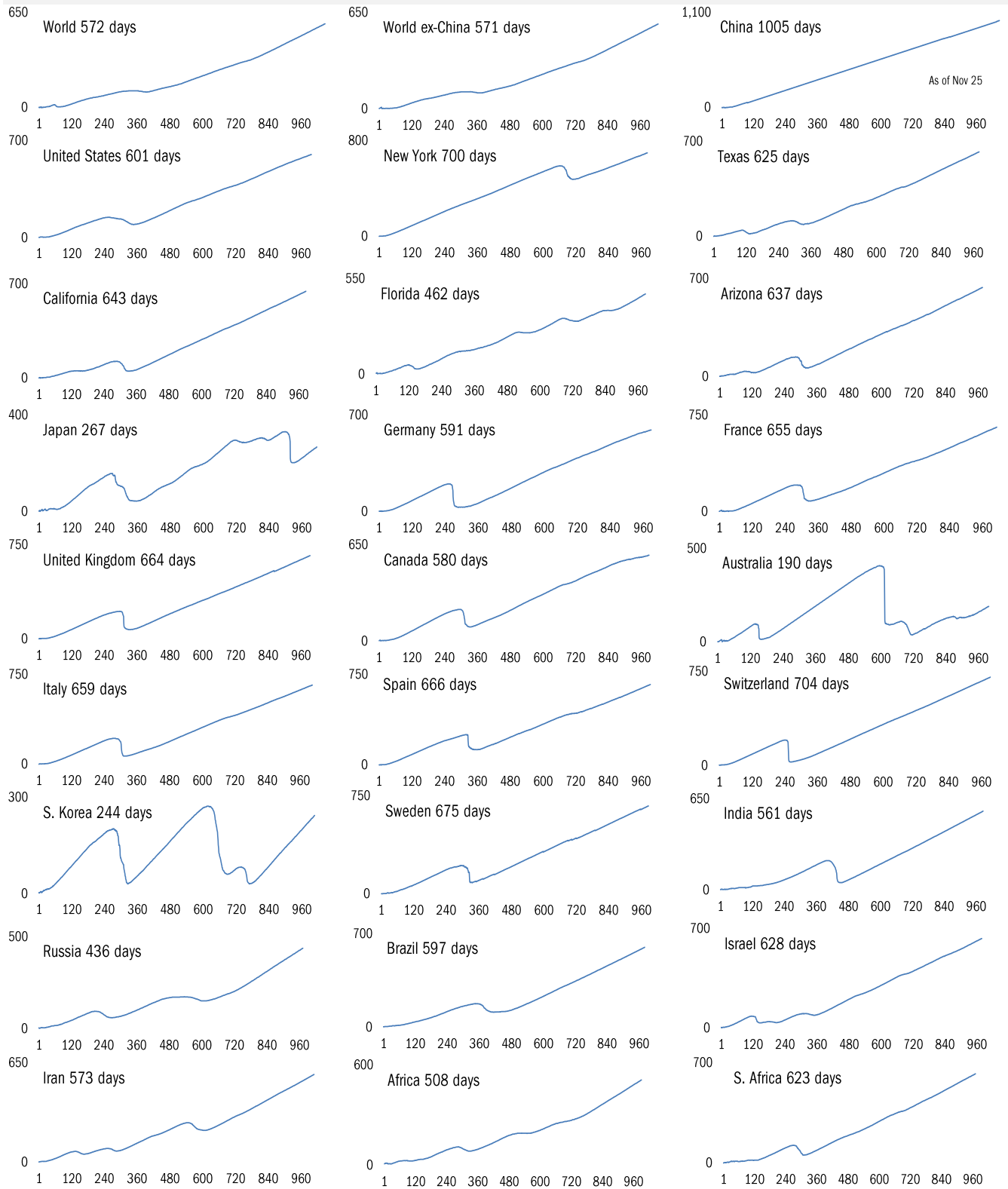


Source: [Johns Hopkins](#), TrendMacro calculations

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

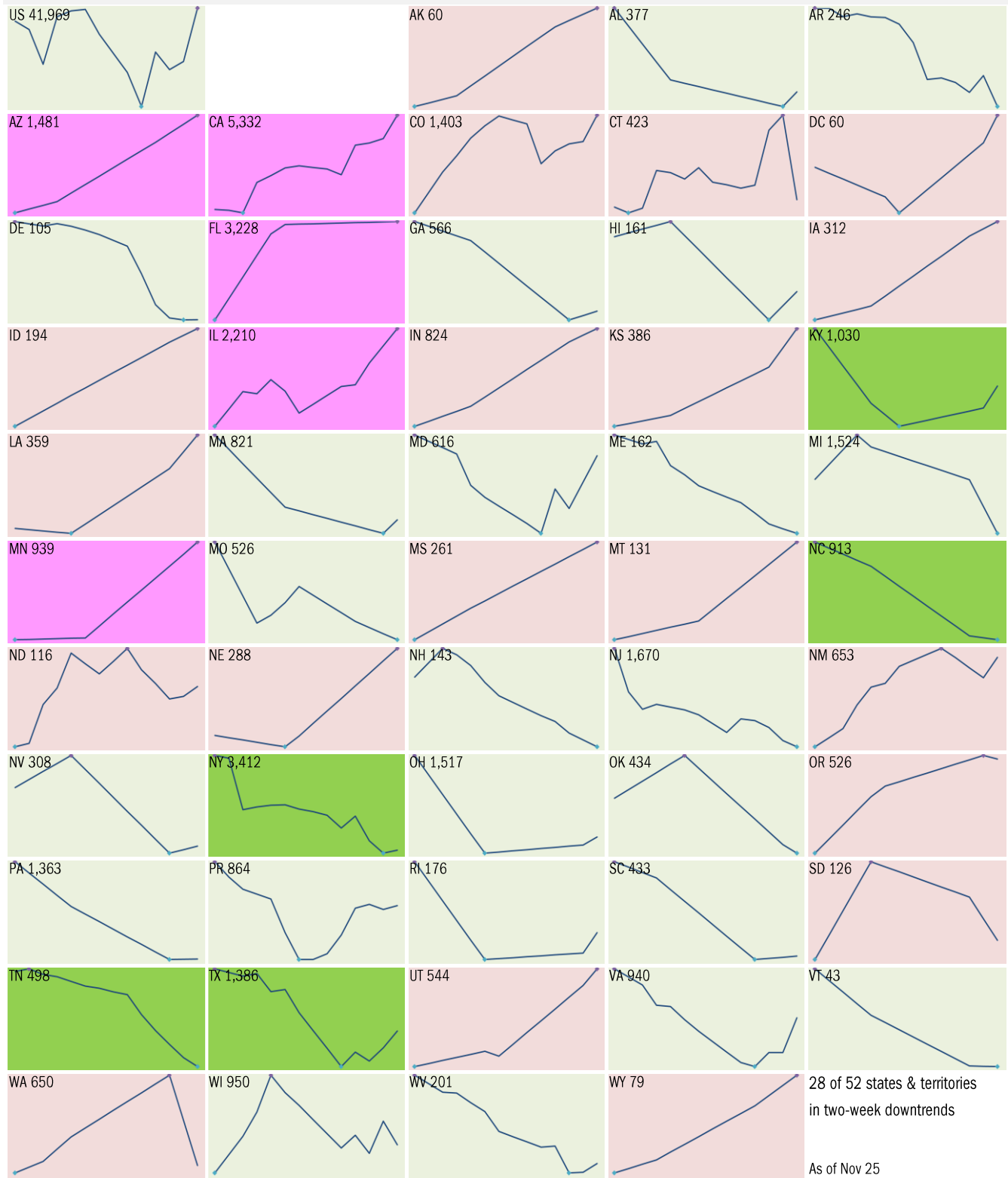


Source: [Johns Hopkins](#), TrendMacro calculations

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

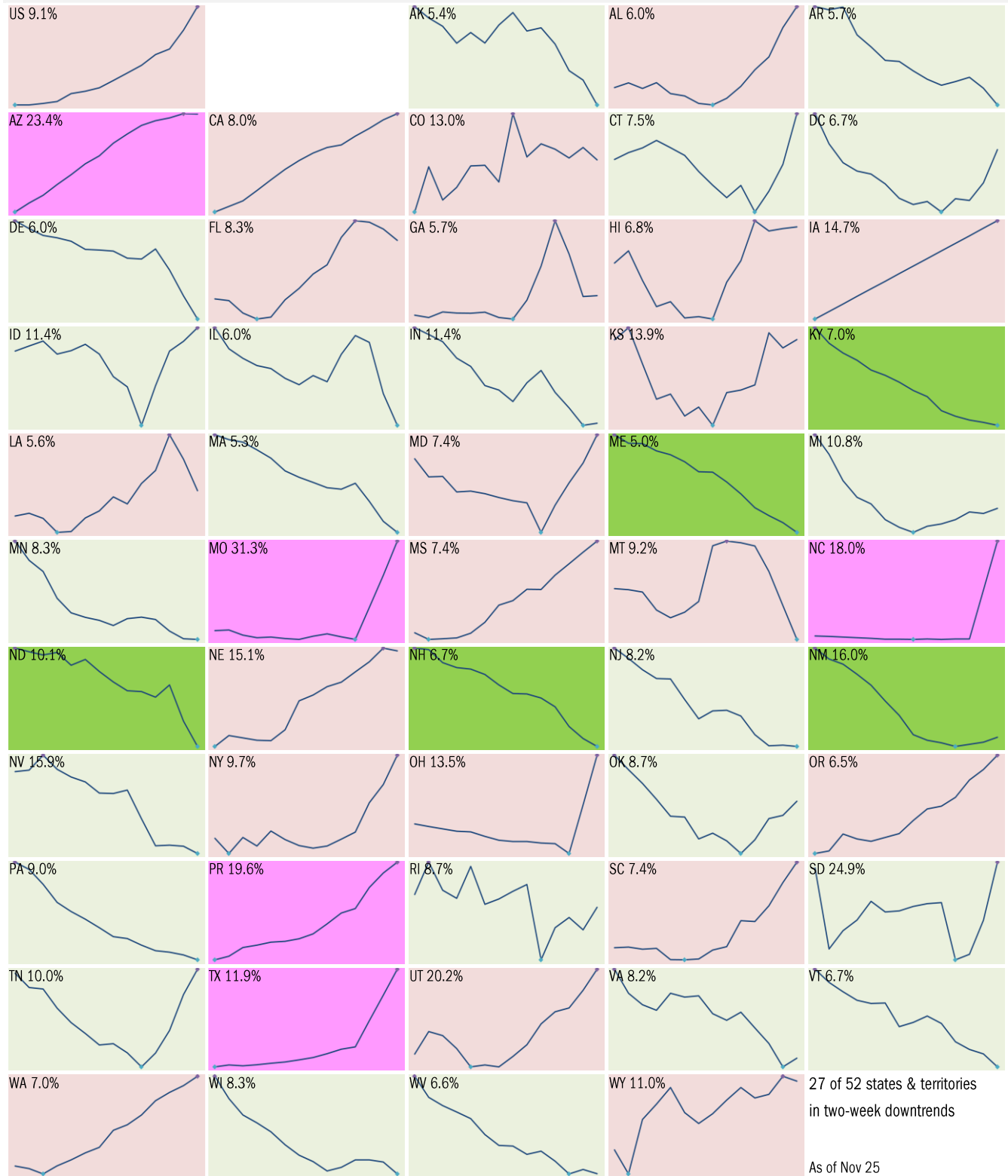


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

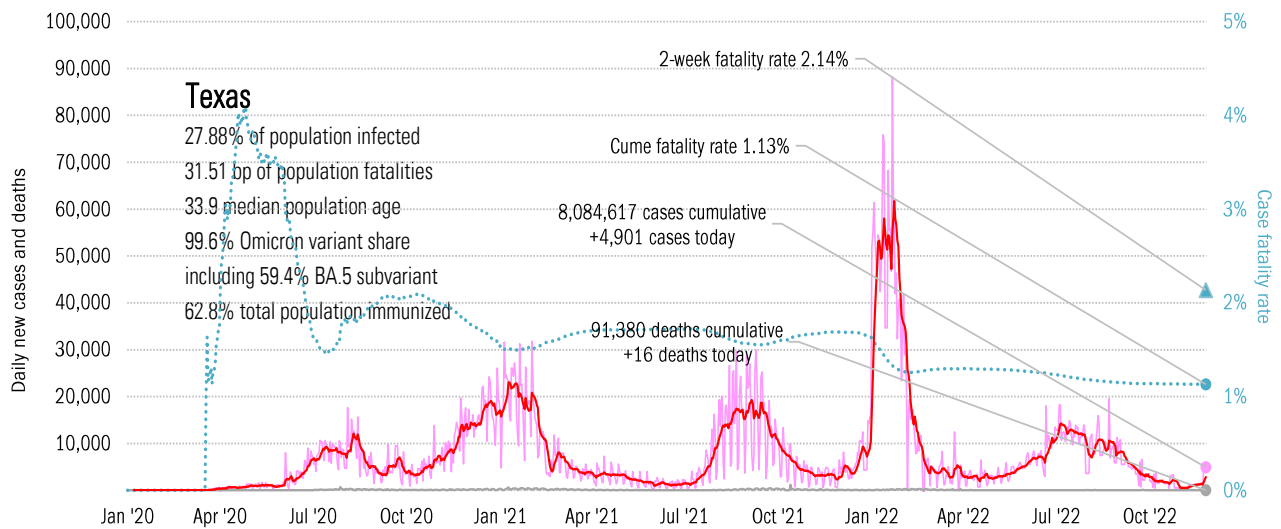
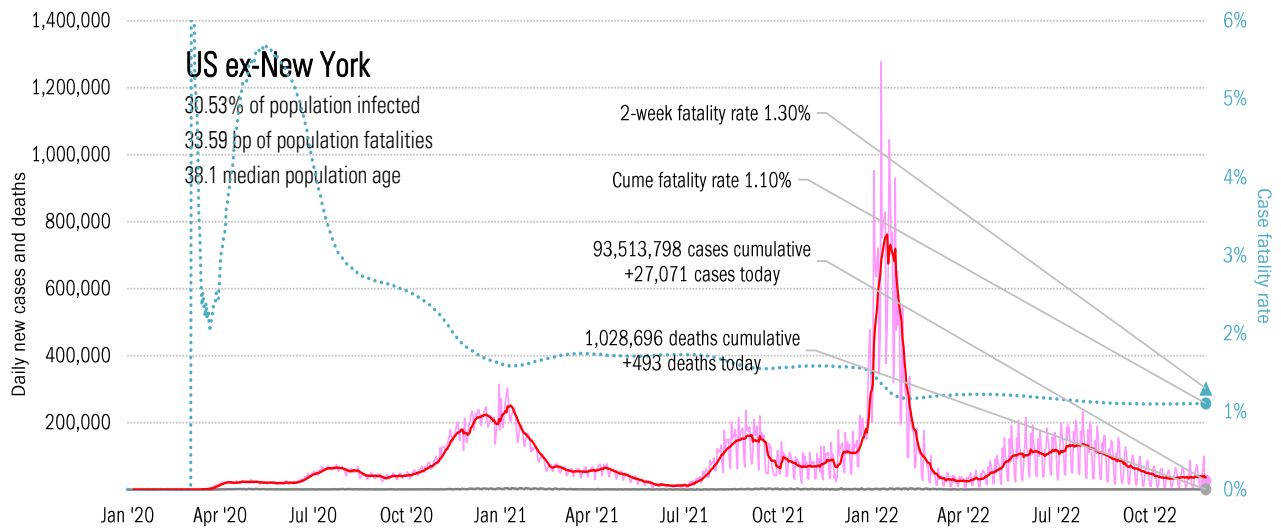
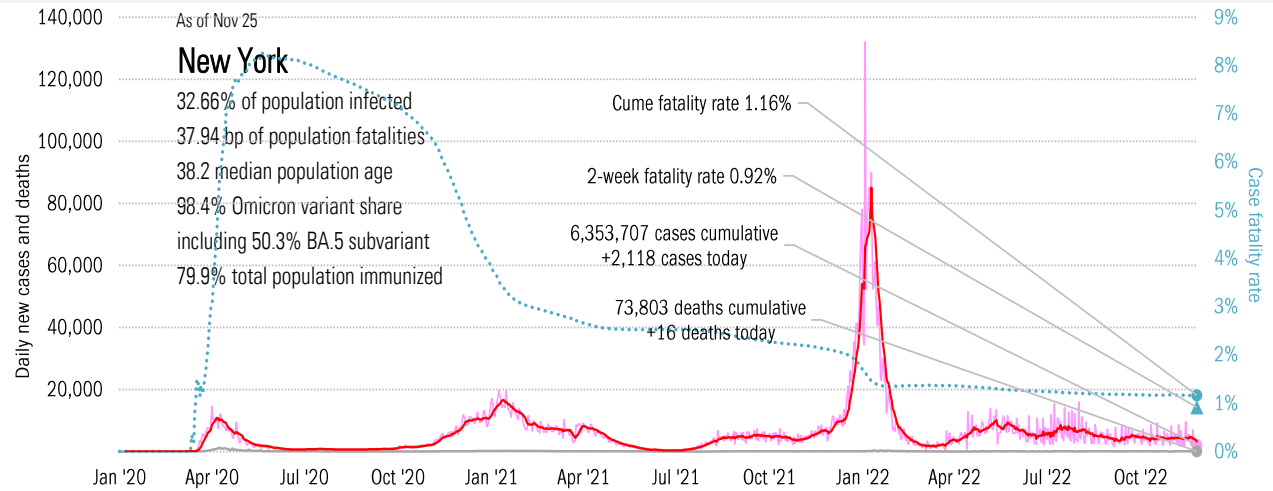
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

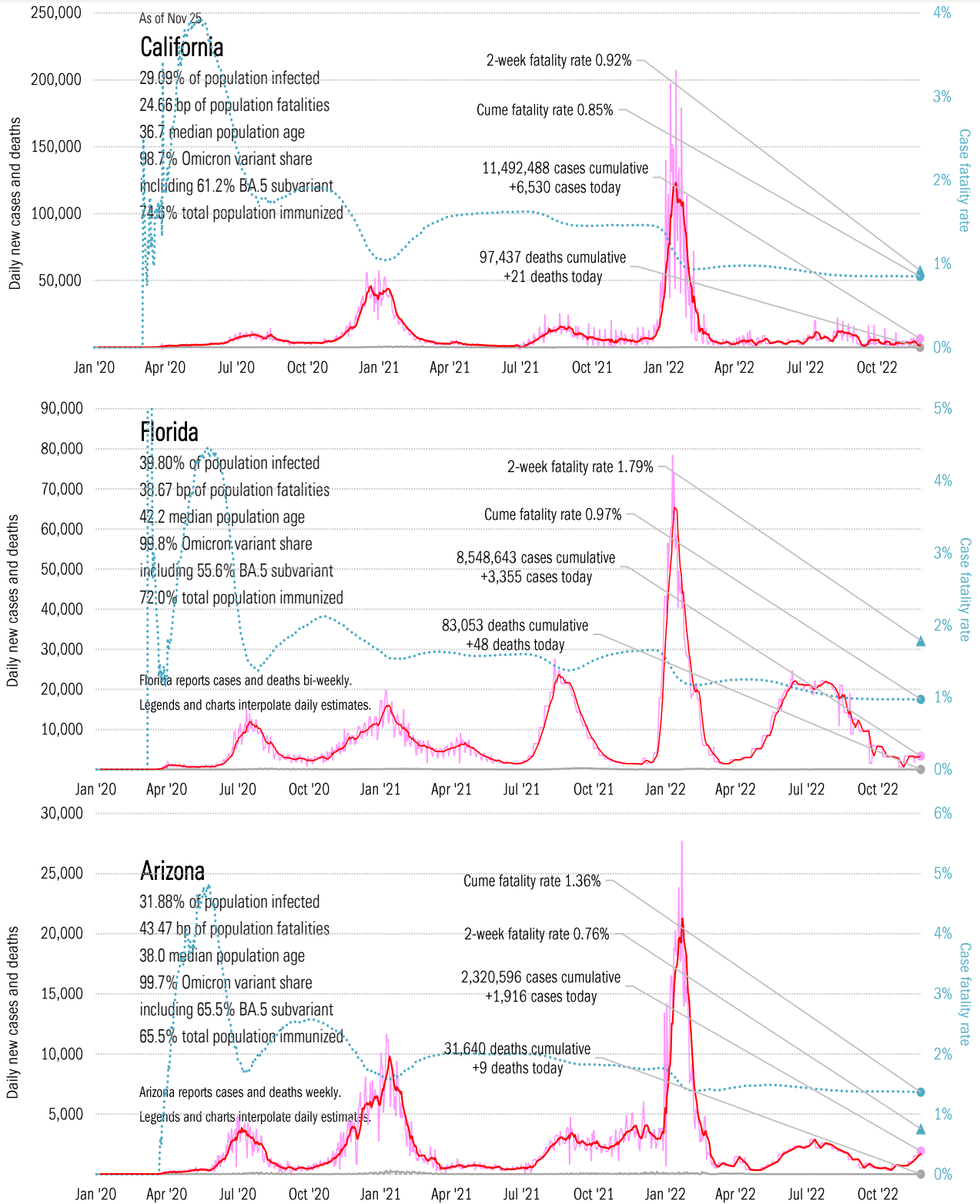
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

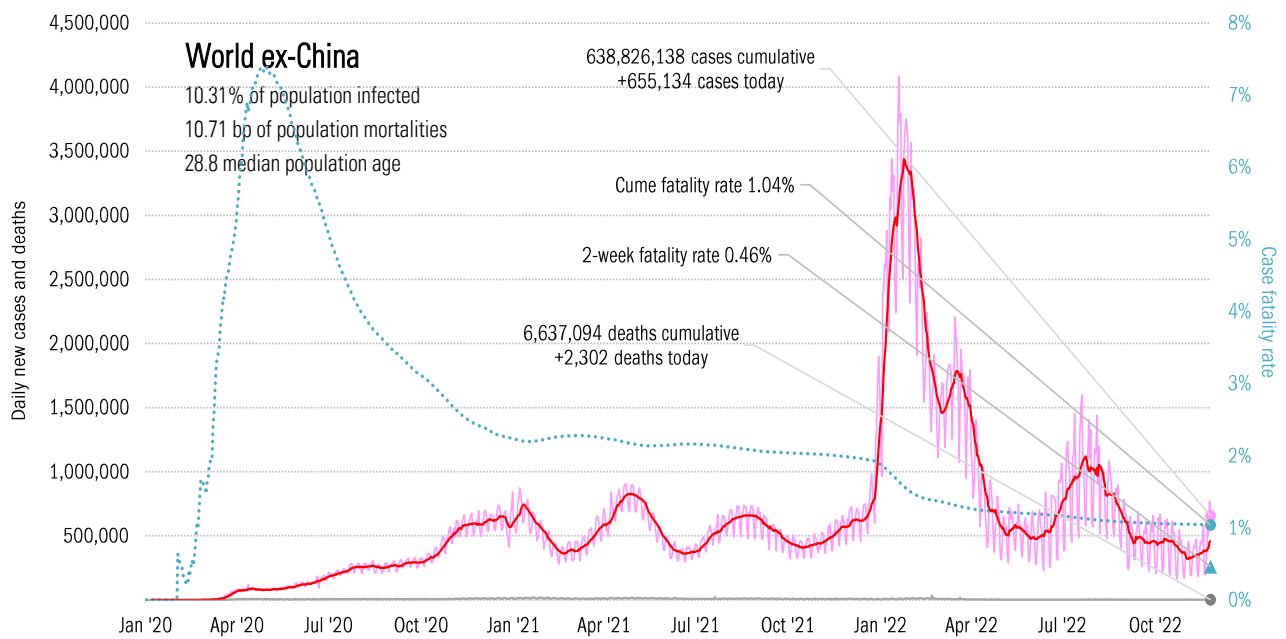
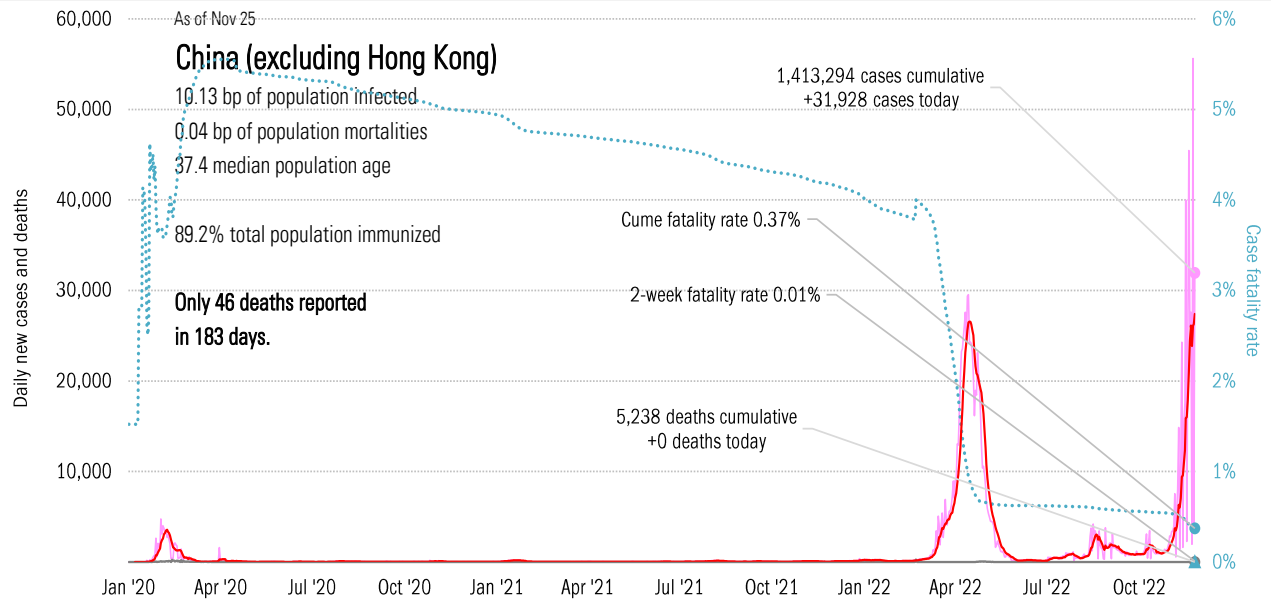
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

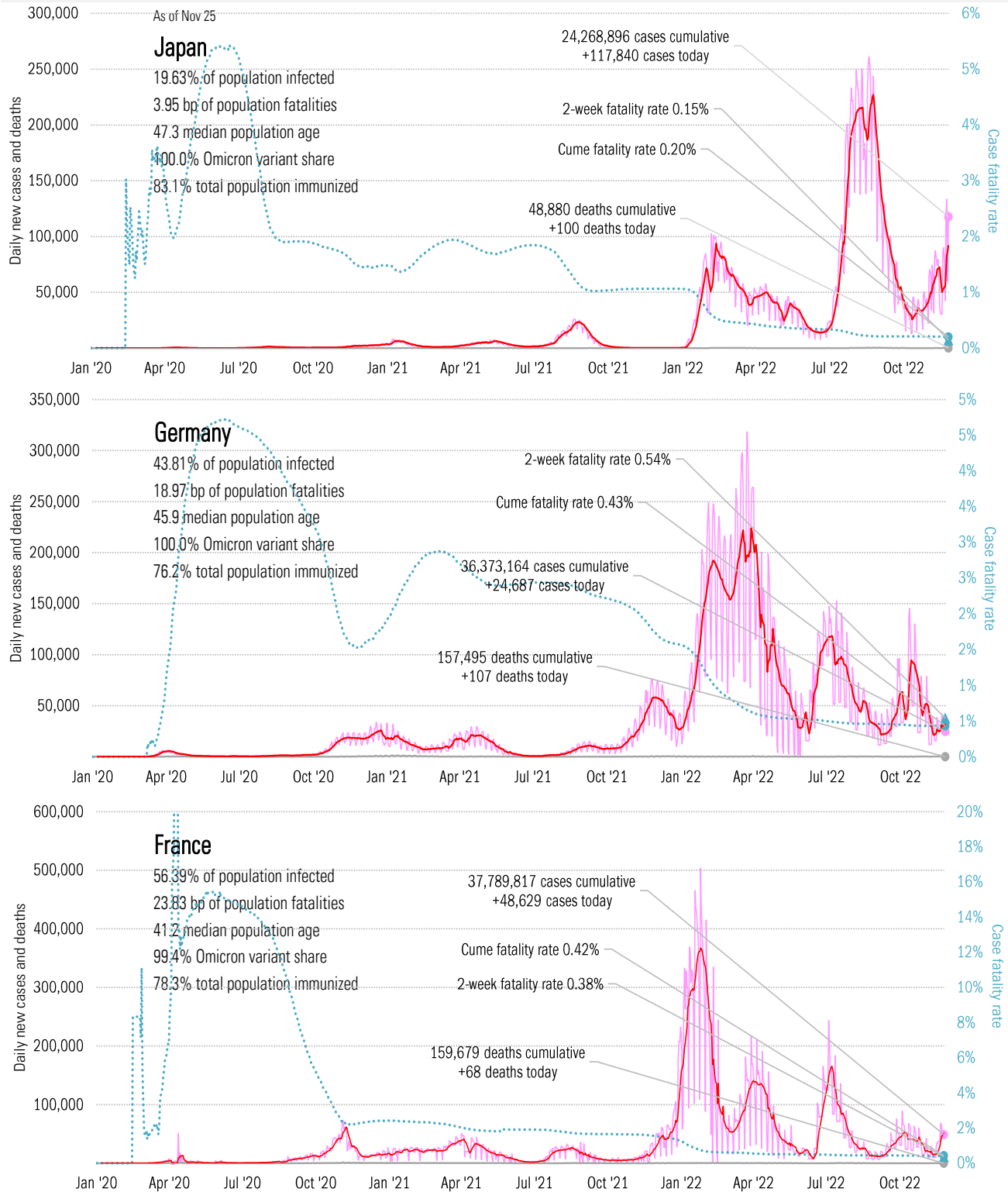
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

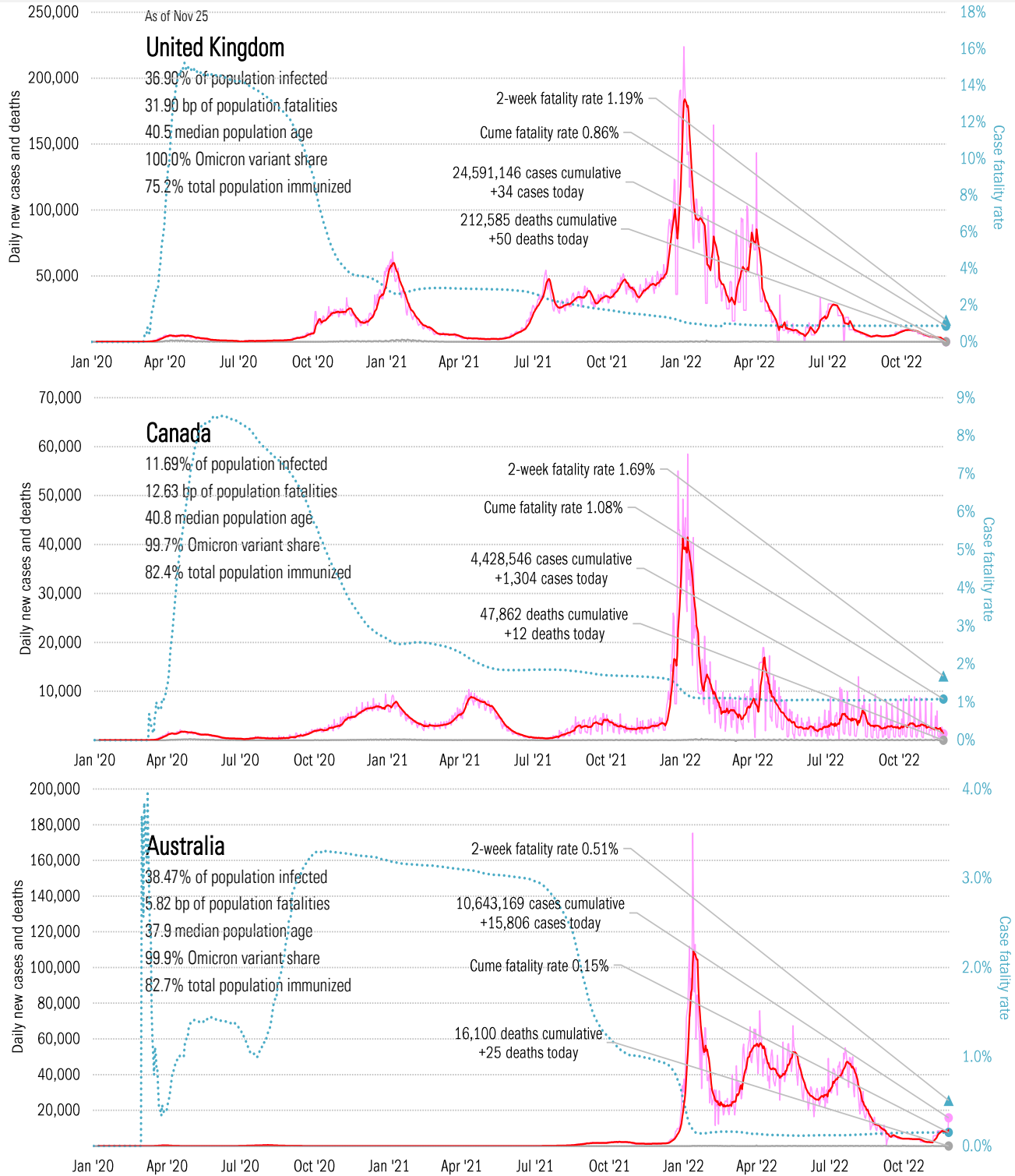
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

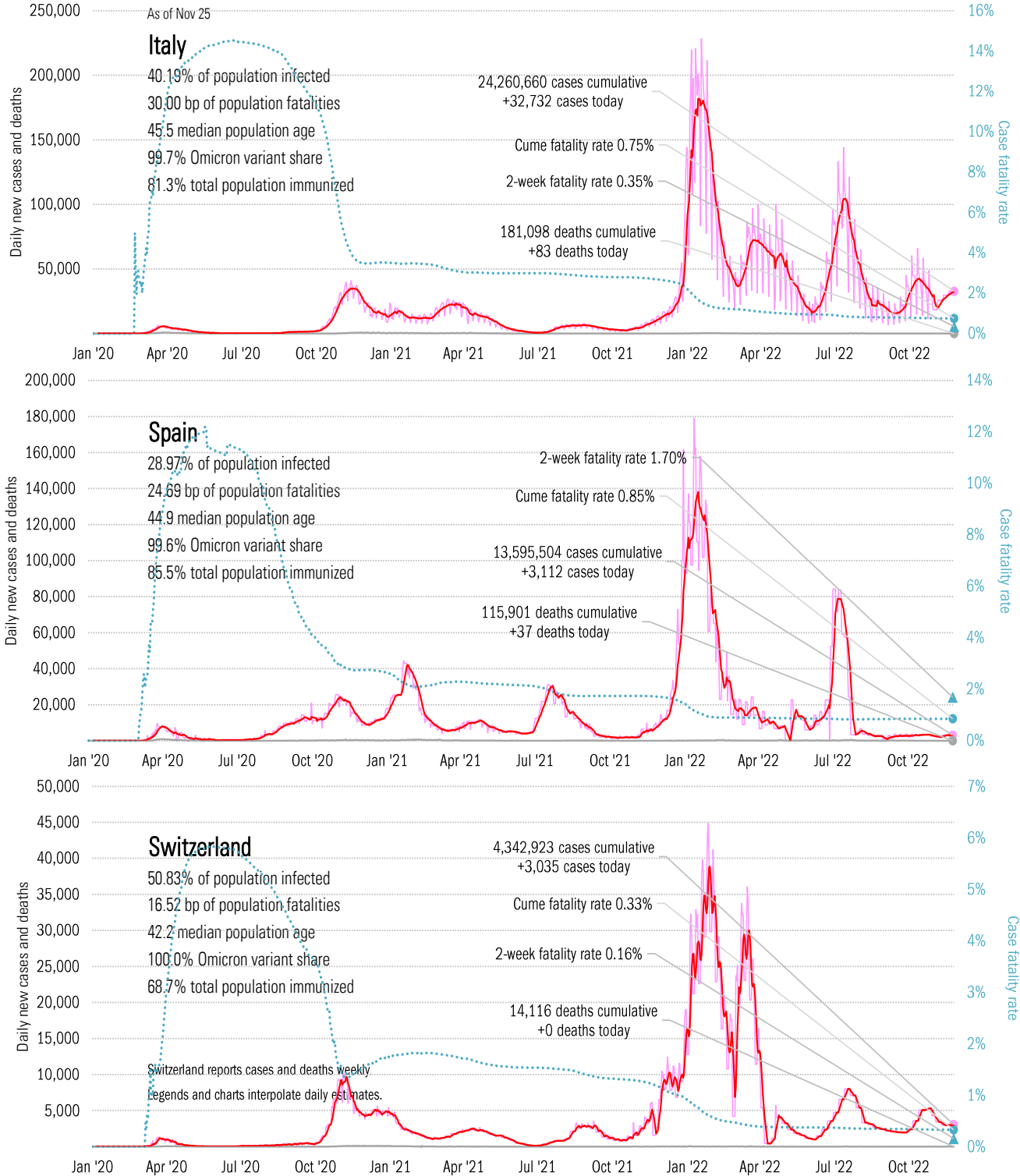
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

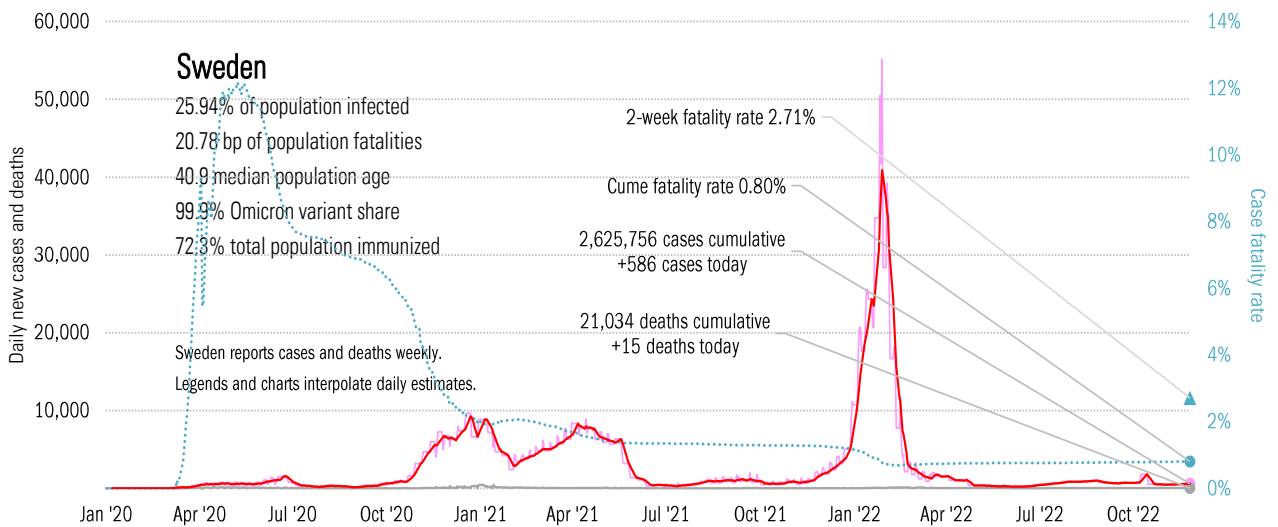
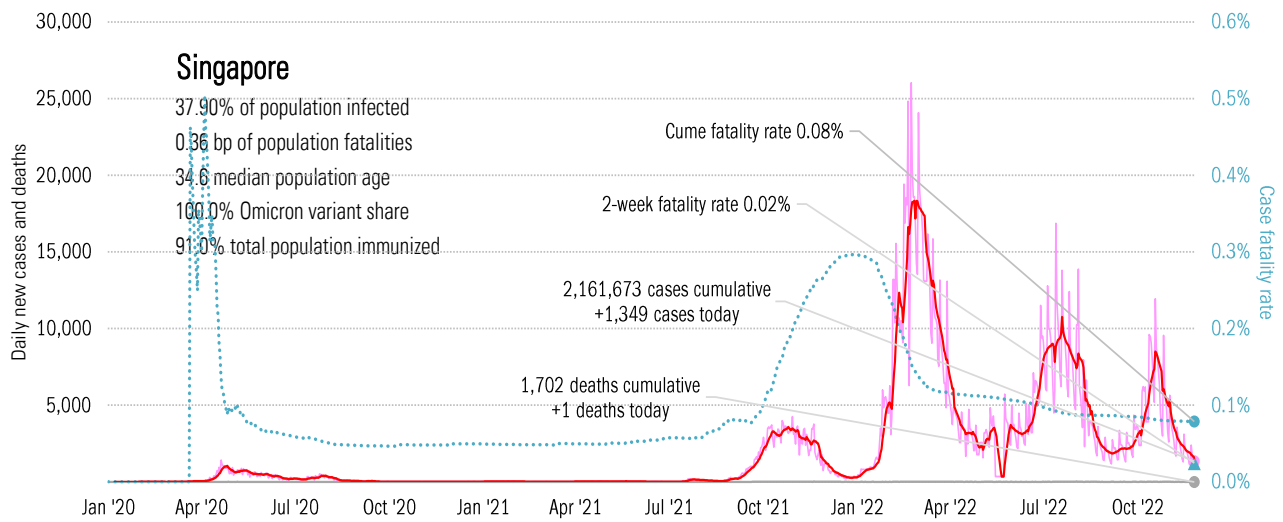
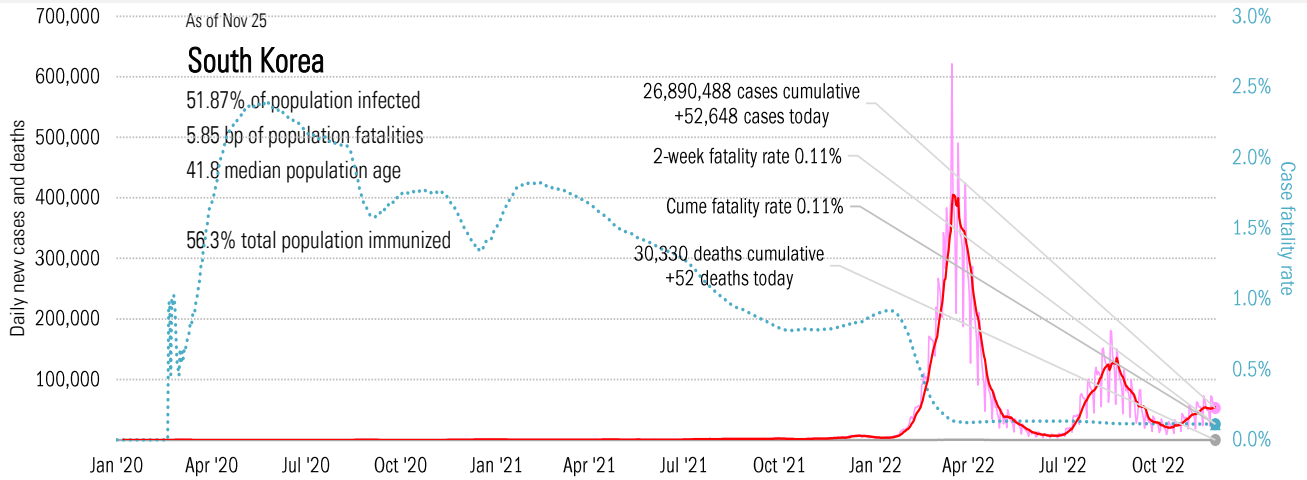
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

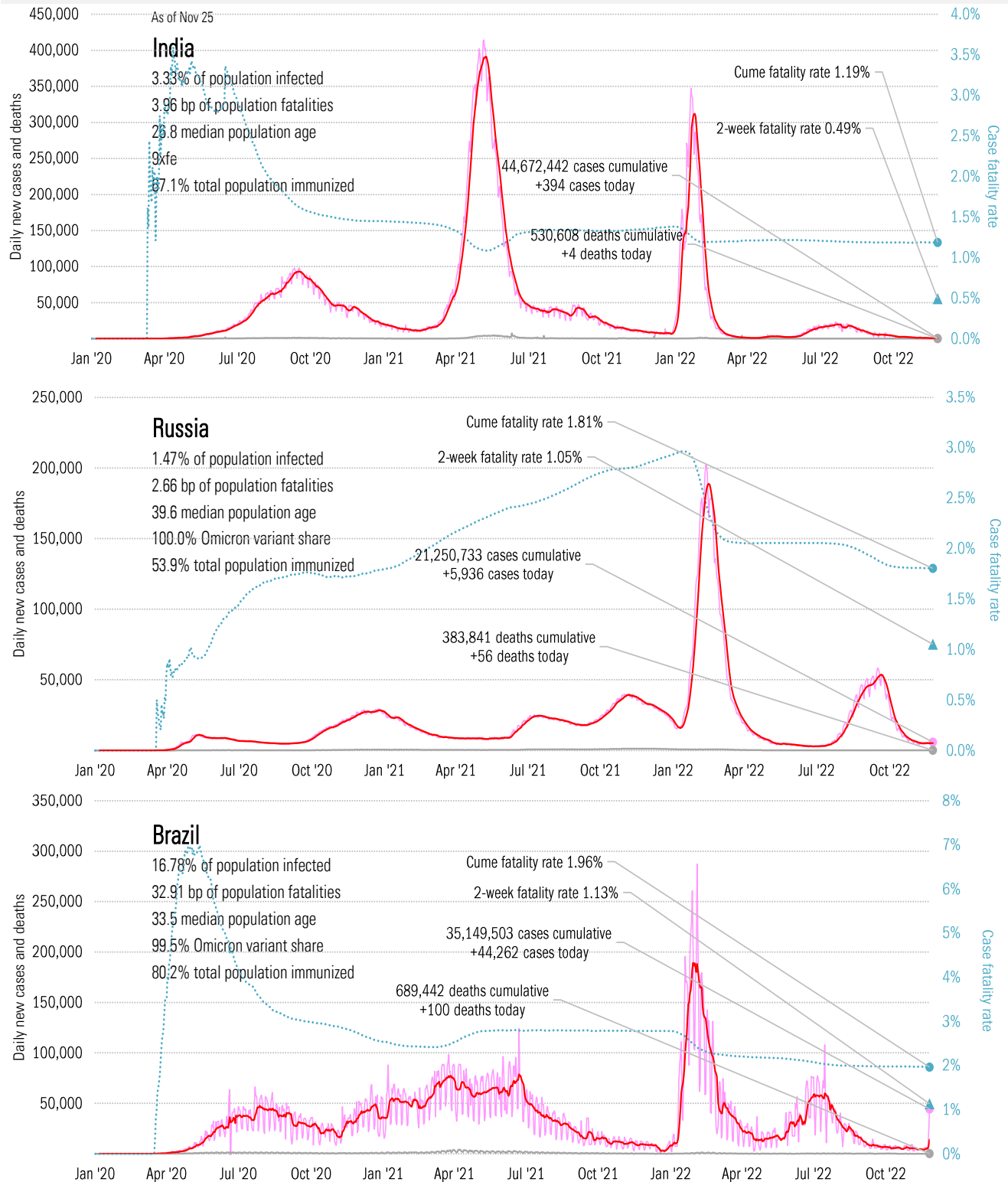
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

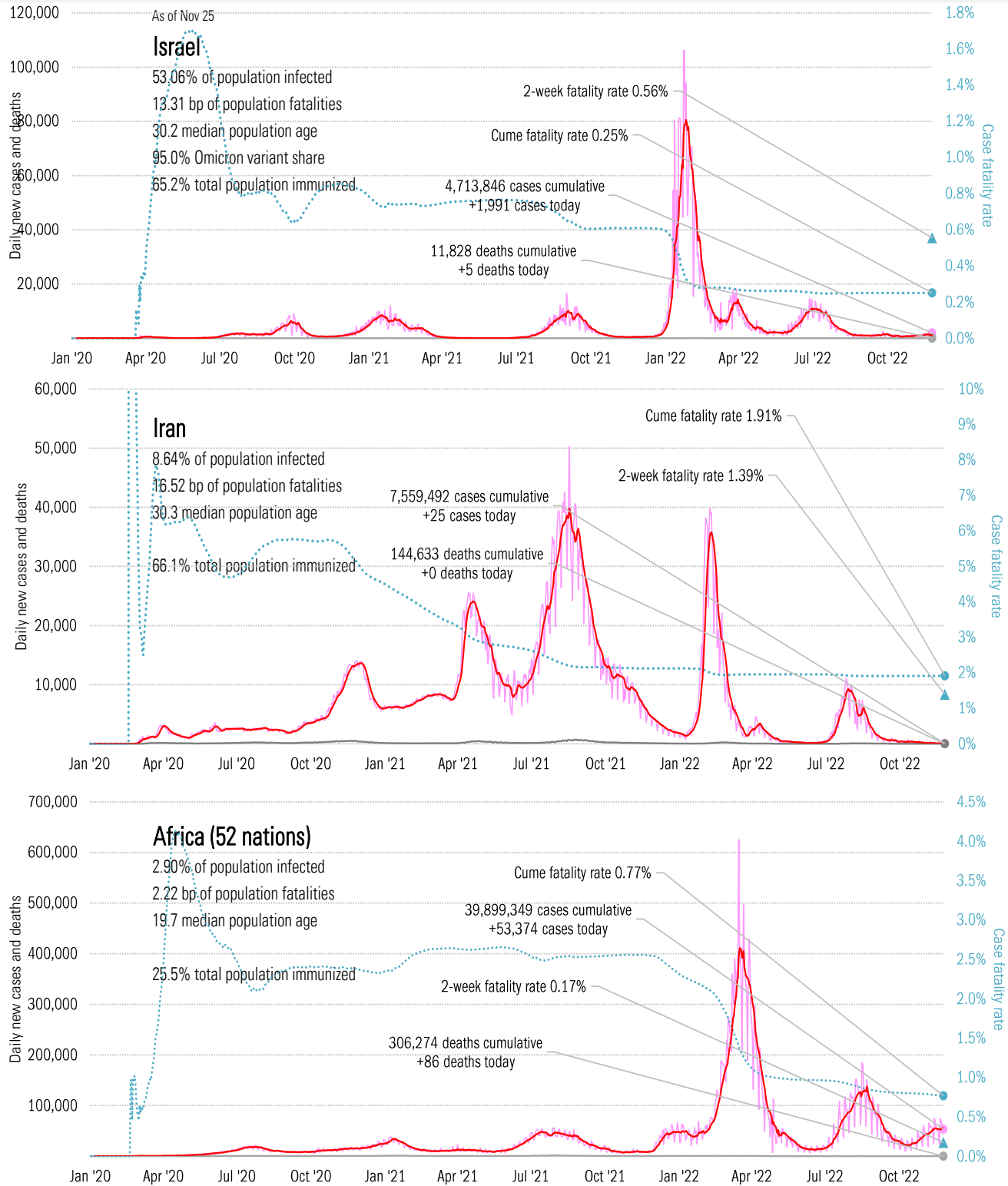
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

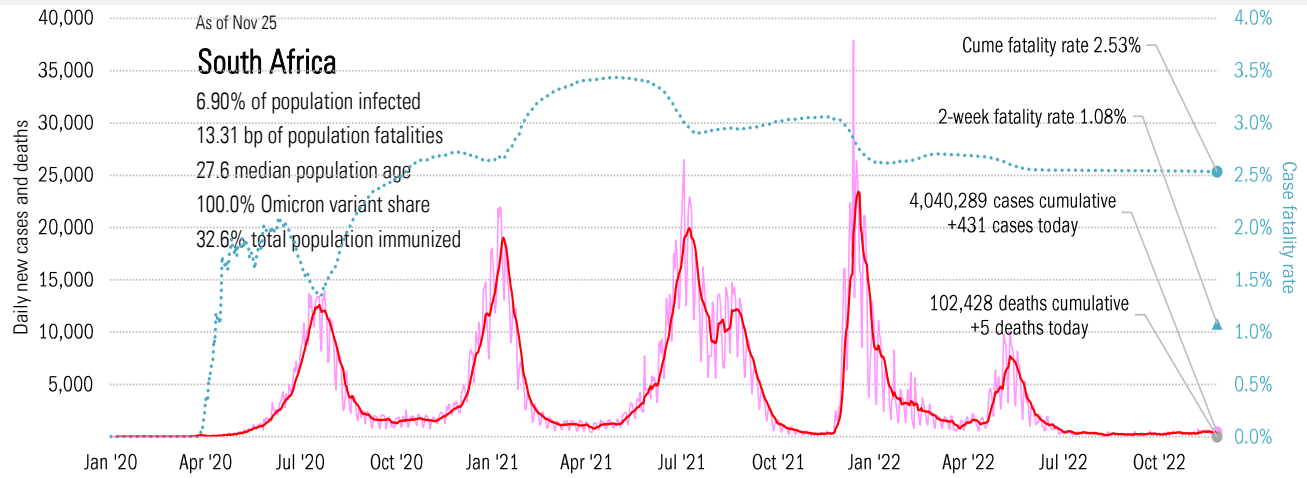
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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