

Data Insights: Covid-2019 Monitor

Saturday, November 19, 2022

The global scorecard

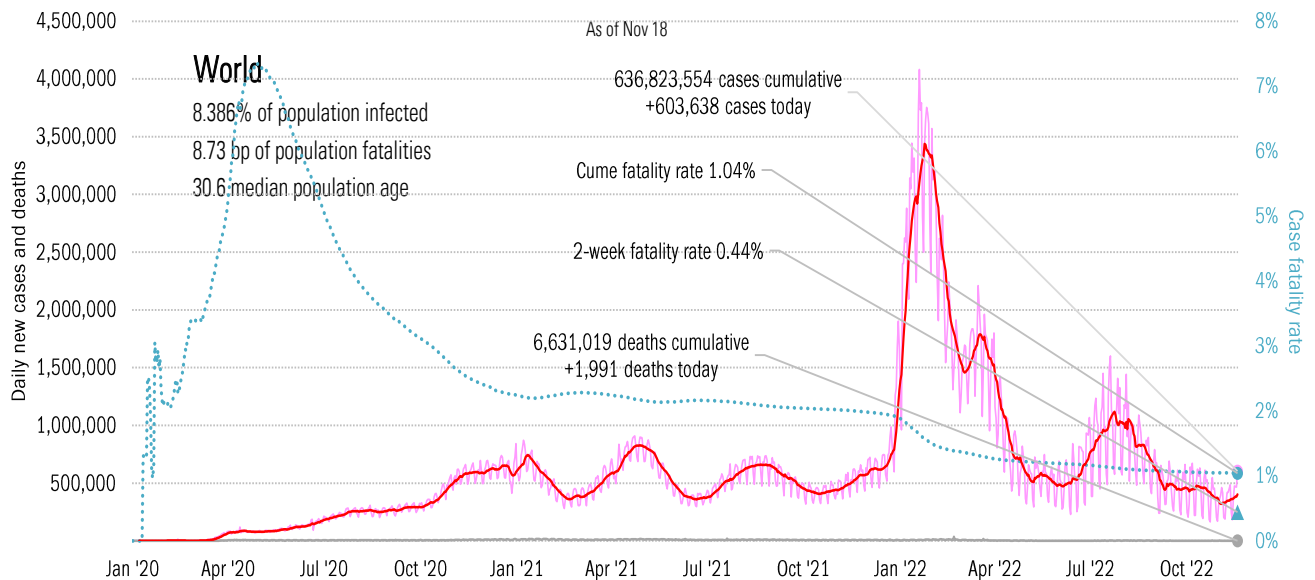
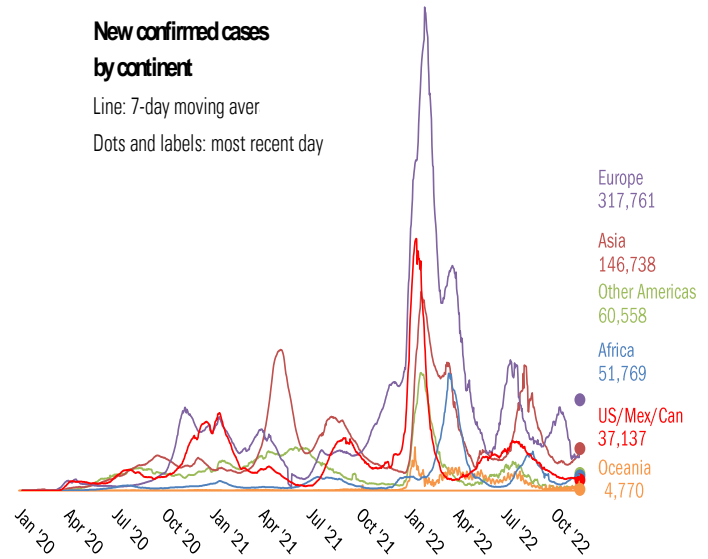
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Italy	208,346	Italy	533
Japan	85,774	United States	400
Korea, South	50,435	Spain	284
United States	38,447	Germany	203
France	37,177	Japan	92
Brazil	28,452	France	74
Germany	25,328	Brazil	72
China	23,903	Korea, South	65
Spain	22,182	Russia	60
Taiwan*	17,997	Taiwan*	57
538,041		1,840	
World	603,638	World	1,991
Top ten	89%	Top ten	92%

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

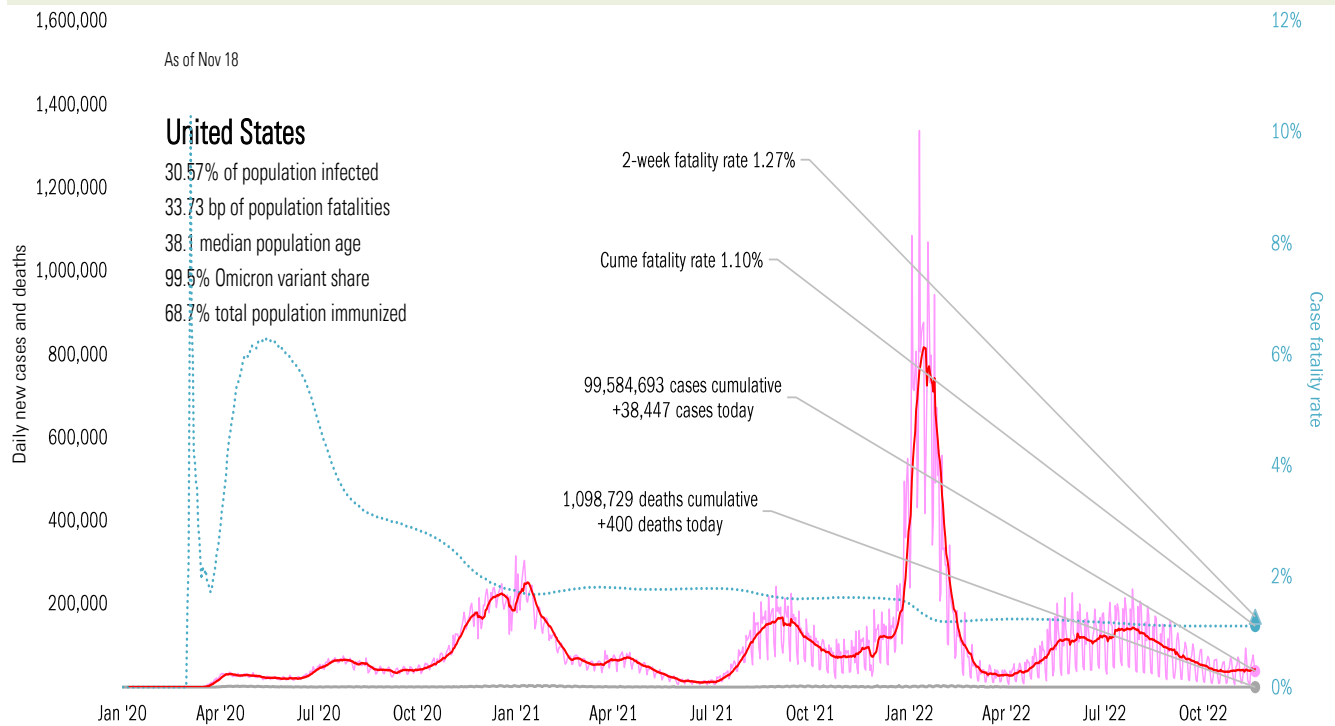
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
NY	4,679		FL	48		CA	435		CA	11,451,463		CA	97,290		TX	563,513		RI	91%	NH	87%
FL	3,355		OR	44		PA	215		FL	8,525,157		TX	91,340		CA	513,749		MA	89%	MA	87%
CA	3,186		TX	28		OH	175		TX	8,074,781		FL	82,767		FL	502,008		MN	87%	TX	85%
MI	2,143		NY	27		MN	79		NY	6,330,865		NY	73,630		NY	316,617		WA	87%	AL	85%
IL	1,797		MI	21		AZ	110		IL	3,850,508		PA	48,126		GA	229,197		MO	85%	AK	84%
NJ	1,738		PA	19		IL	191		PA	3,340,015		GA	40,915		CH	225,994		NH	85%	NC	84%
AZ	1,539		GA	16		WA	50		NC	3,262,335		CH	40,391		PA	212,404		DE	84%	NE	83%
CH	1,445		DE	15		NM	31		CH	3,218,335		IL	40,198		IL	194,054		MD	83%	NM	83%
CO	1,396		VA	15		CO	108		GA	2,933,229		MI	39,697		MI	169,073		DC	83%	VT	82%
PA	1,357		NJ	14		LA	59		MI	2,920,679		NJ	35,044		KY	147,394		WV	83%	GA	82%
22,636			246			1,453			53,907,367			589,398			3,064,003						
All states	38,447		400			3,506			All states	99,584,693		1,098,729			5,565,171			All states	70%	67%	
Top ten	59%		62%			41%			Top ten	54%		55%			55%			Median	79%	76%	

Some states not reporting

Five most improved US states

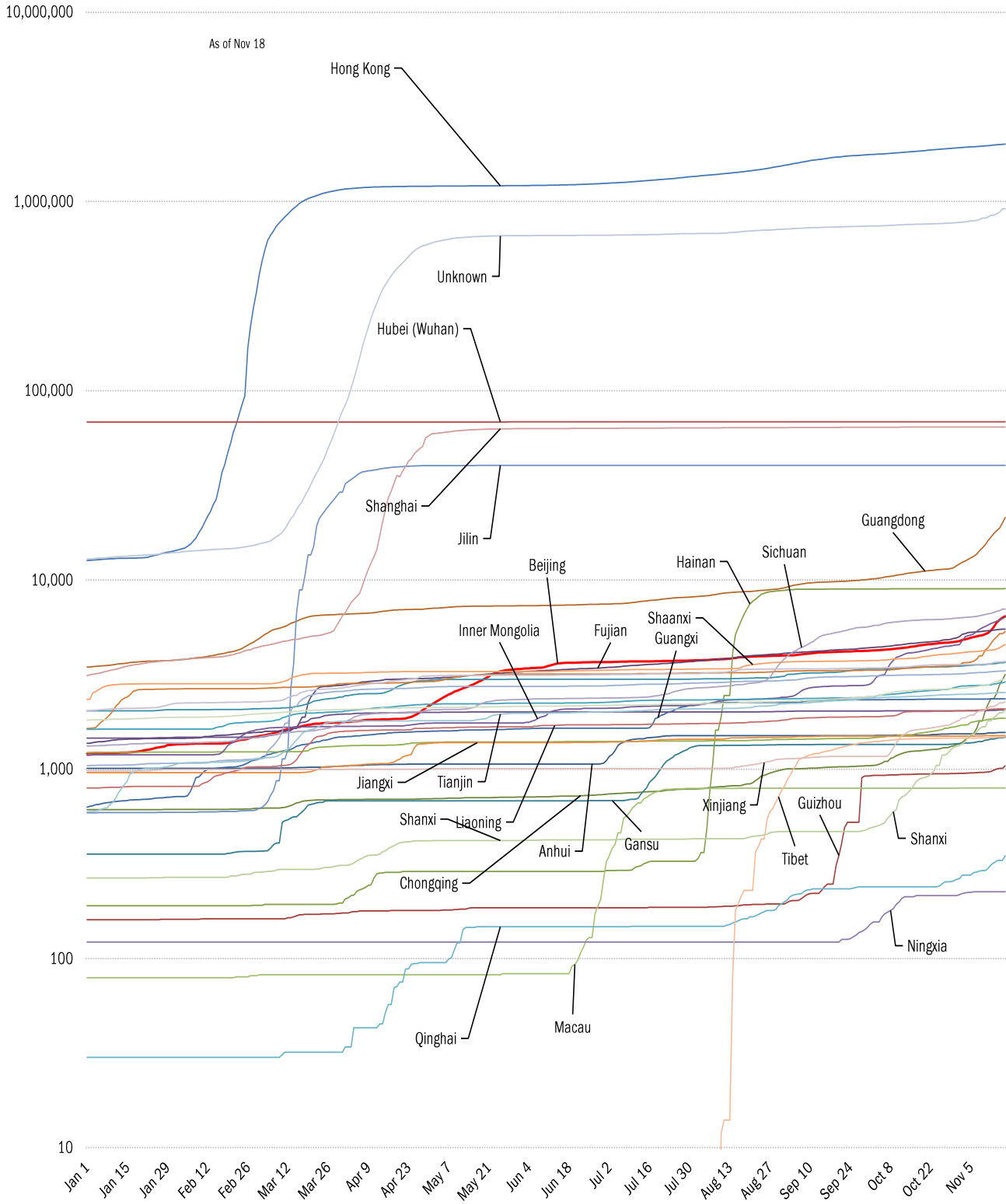
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-3,879	CA	-111	OR	-43
IL	-961	CO	-8	TX	-24
NY	-845	DC	-4	NC	-23
NJ	-519	WI	-3	NE	-22
MO	-378	IL	-2	WI	-18



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"

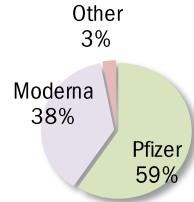


Source: [Johns Hopkins](#), TrendMacro calculations

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

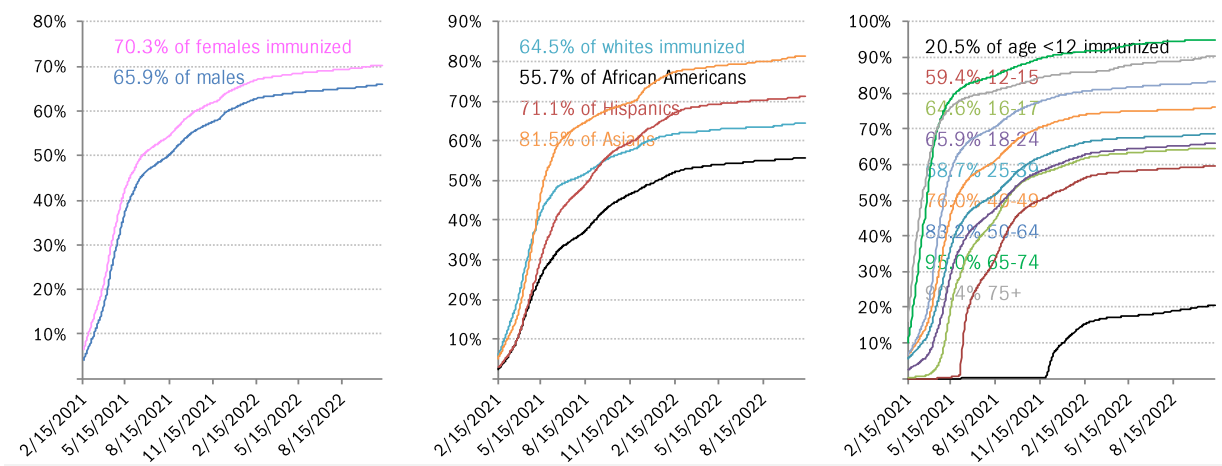
"Immunity" = two doses

Global data differs due to sources, timing

As of Nov 18

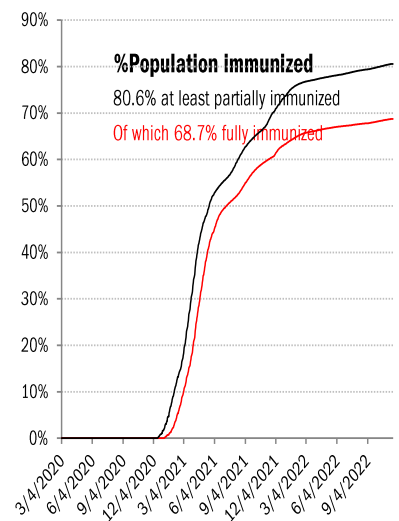
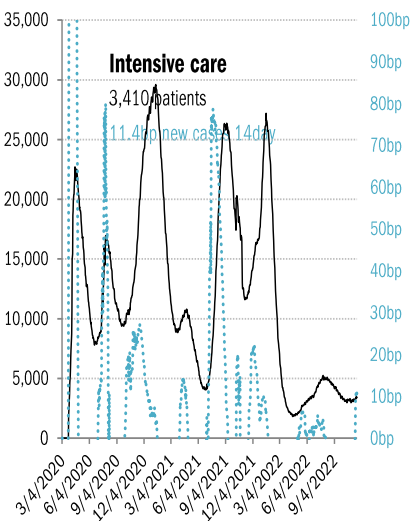
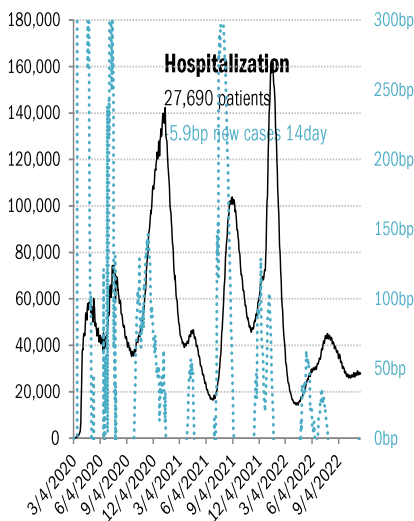
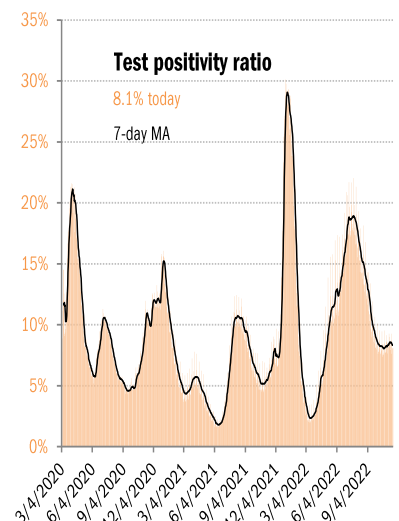
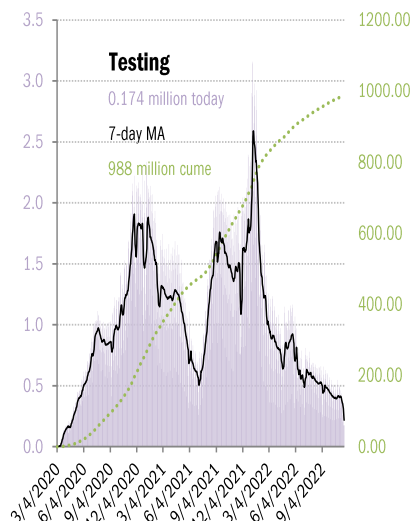
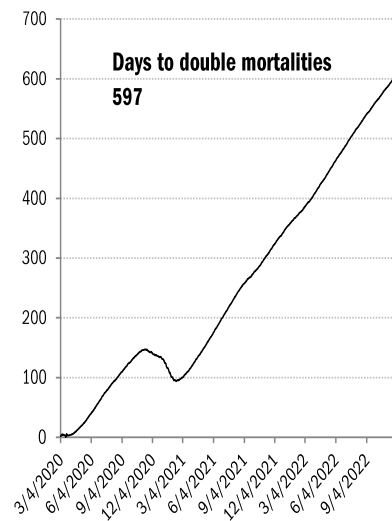
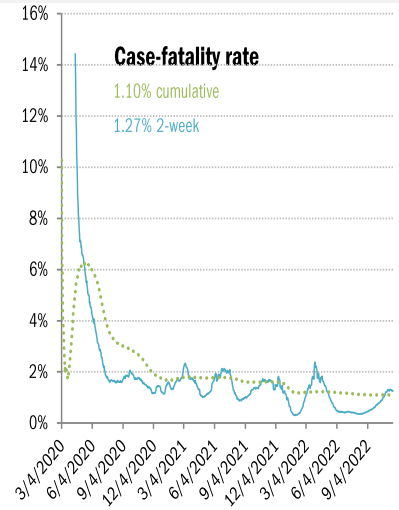
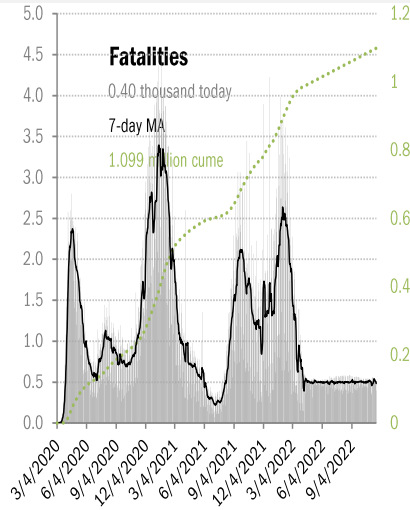
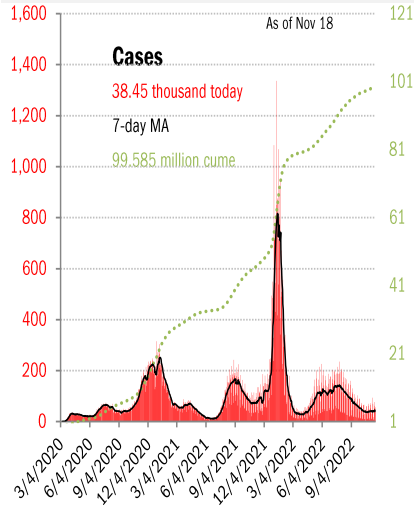
					WI							ME
					74.4%							95.0%
					67.7%							82.5%
WA	ID	MT	ND	MN	IL	MI			NY	VT		NH
84.4%	63.4%	67.7%	68.6%	78.0%	78.7%	69.0%			93.5%	95.0%		86.3%
75.3%	56.0%	58.7%	58.0%	71.5%	70.8%	61.9%			79.9%	84.6%		70.5%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA		
80.7%	78.1%	60.4%	82.6%	70.1%	63.9%	65.2%	89.4%		93.7%	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

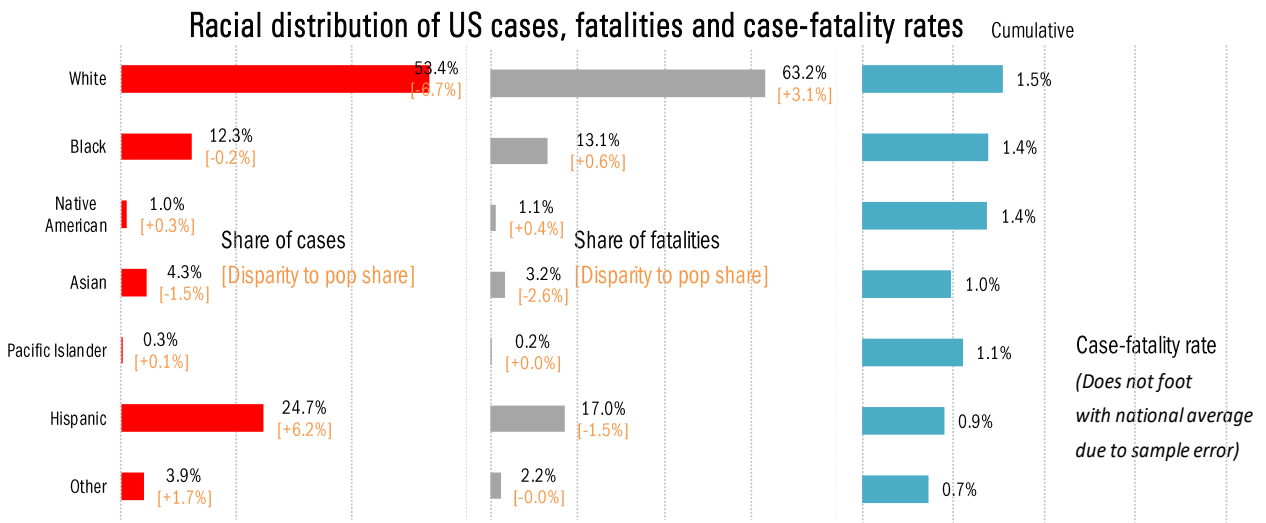
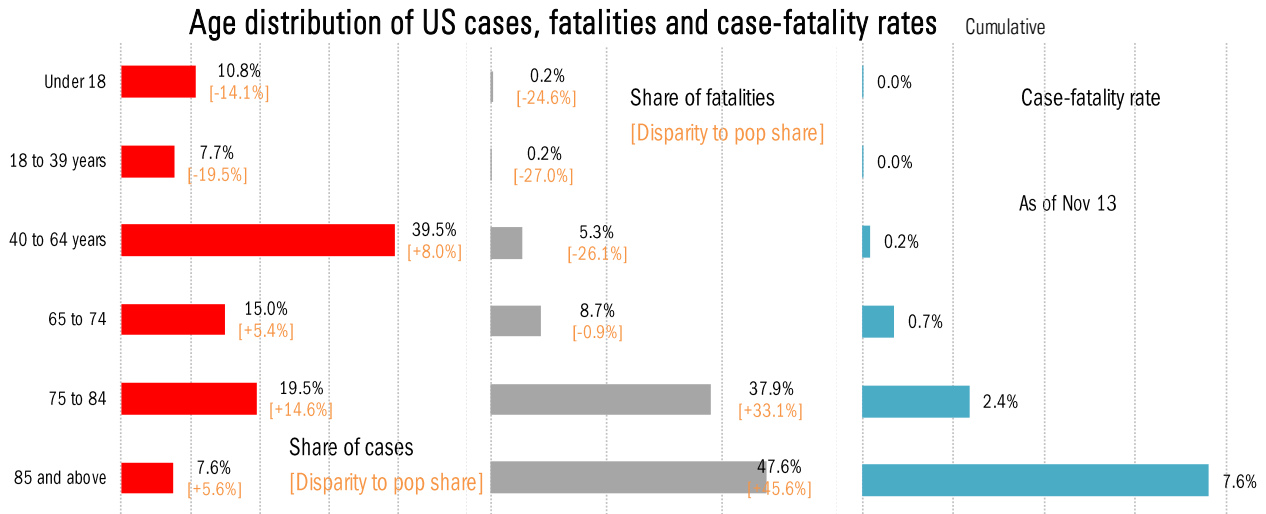


Source: CDC, CDC, Our World in Data, TrendMacro calculations

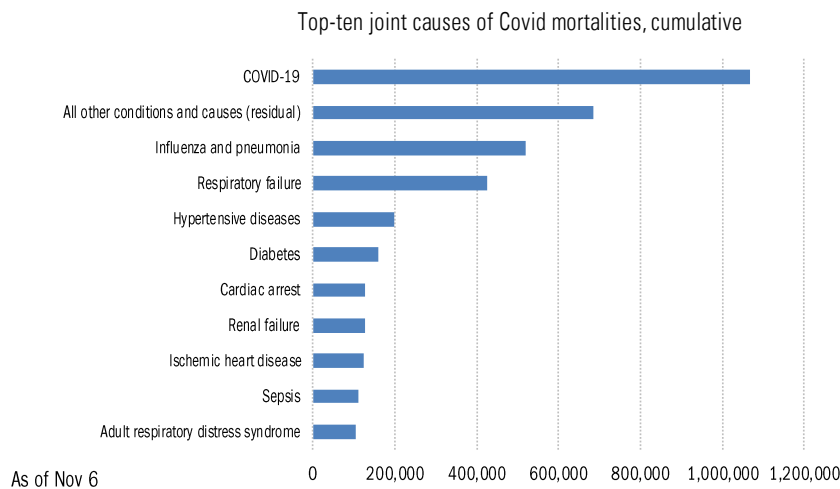
US deep-dive



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

[The New York Times hits an all-time low](#)

Alex Berenson
Unreported Truths
November 18, 2022

[Why DeSantis's Covid Policy Remains Relevant](#)

Holman W. Jenkins, Jr.
Wall Street Journal
November 18, 2022

[The High Price of Covid Learning Loss](#)

Wall Street Journal
November 18, 2022

[Fear and Panic Grips Chinese City Rumored to Be Exiting Covid Zero](#)

Bloomberg
November 15, 2022

[Chinese Cities Struggle to Recover After Covid Curbs Ease](#)

Michelle Fay Cortez
Bloomberg
November 18, 2022

[Efficacy, Effectiveness and Safety of Vaccines Against COVID-19 for Children Aged 5-11 Years: A Living Systematic Review with Meta-Analysis](#)

Vanessa Piechotta et al.
The Lancet Preprints
November 18, 2022

Meme of the day

"At least we have Thanksgiving to look forward to"

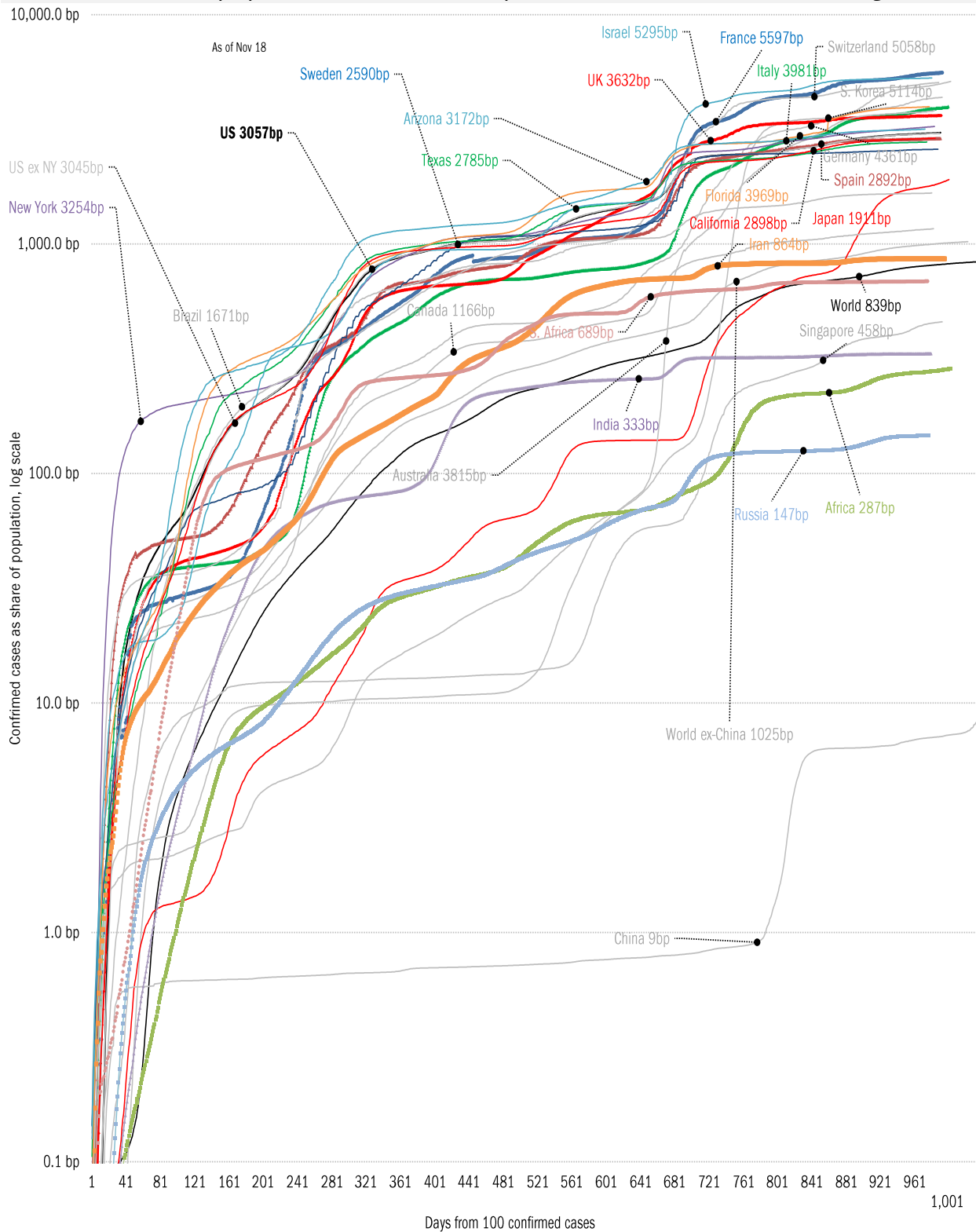
Thanksgiving:



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

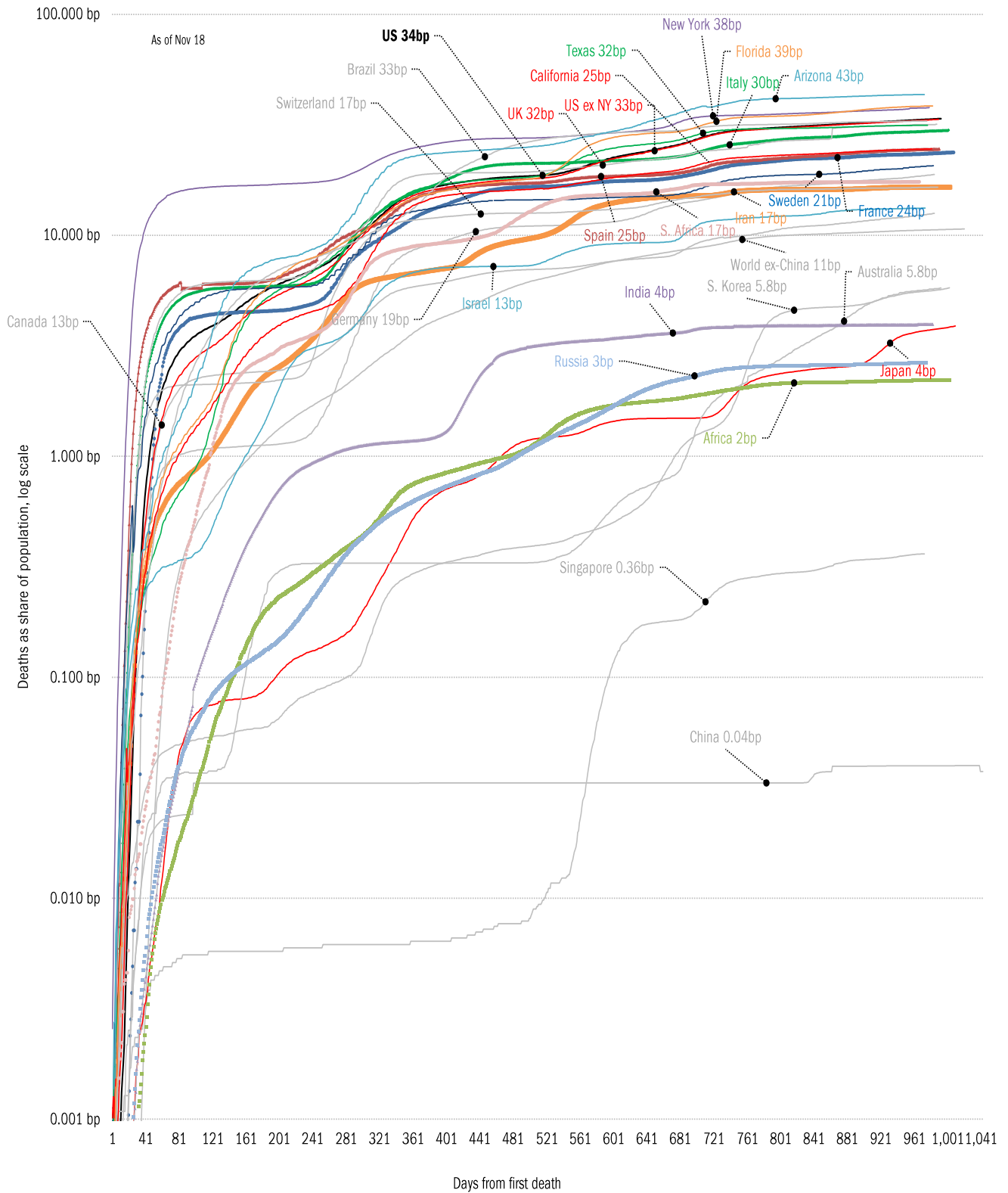
The global coronavirus case accelerometer... tracking the world's infection curves

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

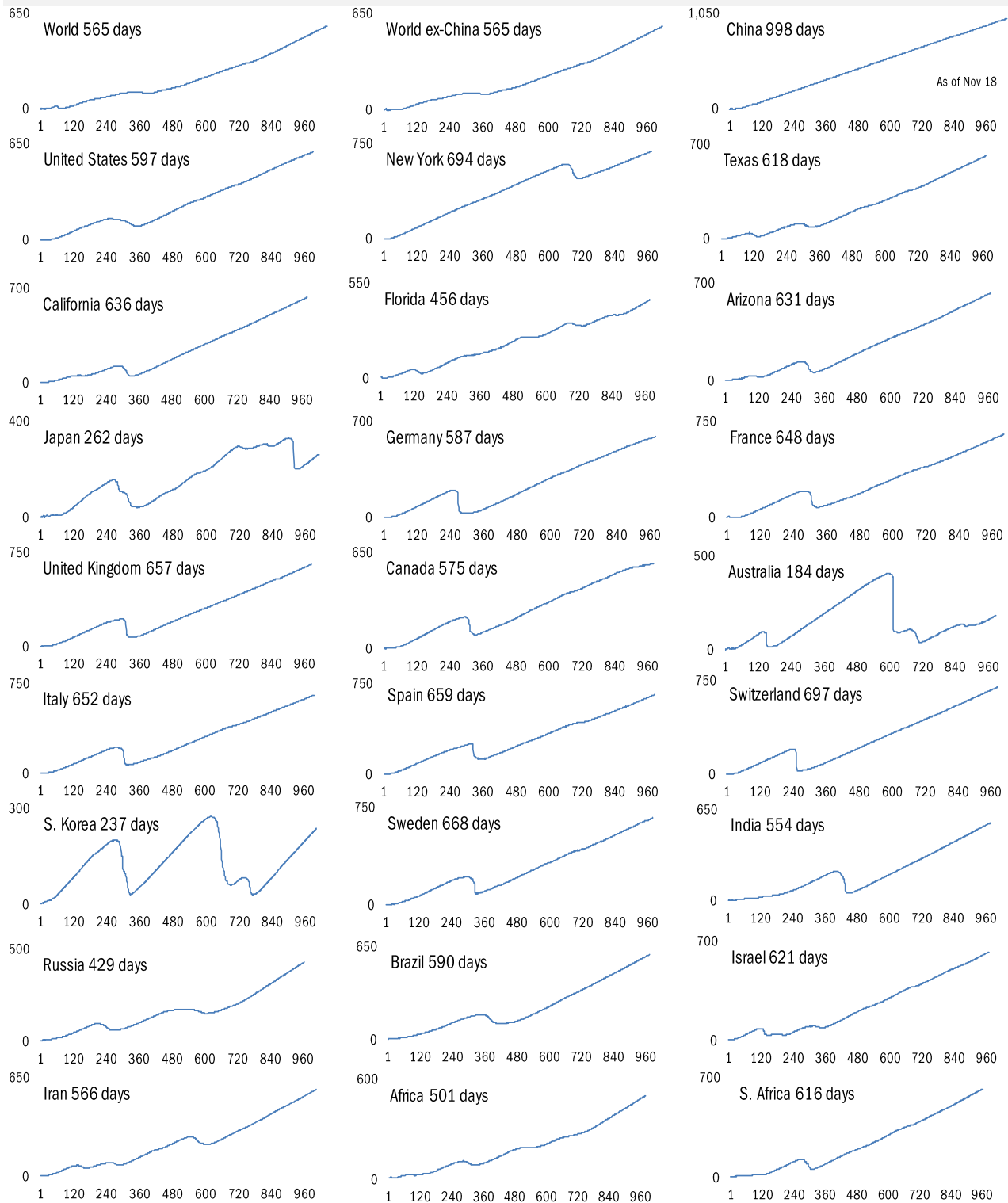


Source: [Johns Hopkins](#), TrendMacro calculations

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

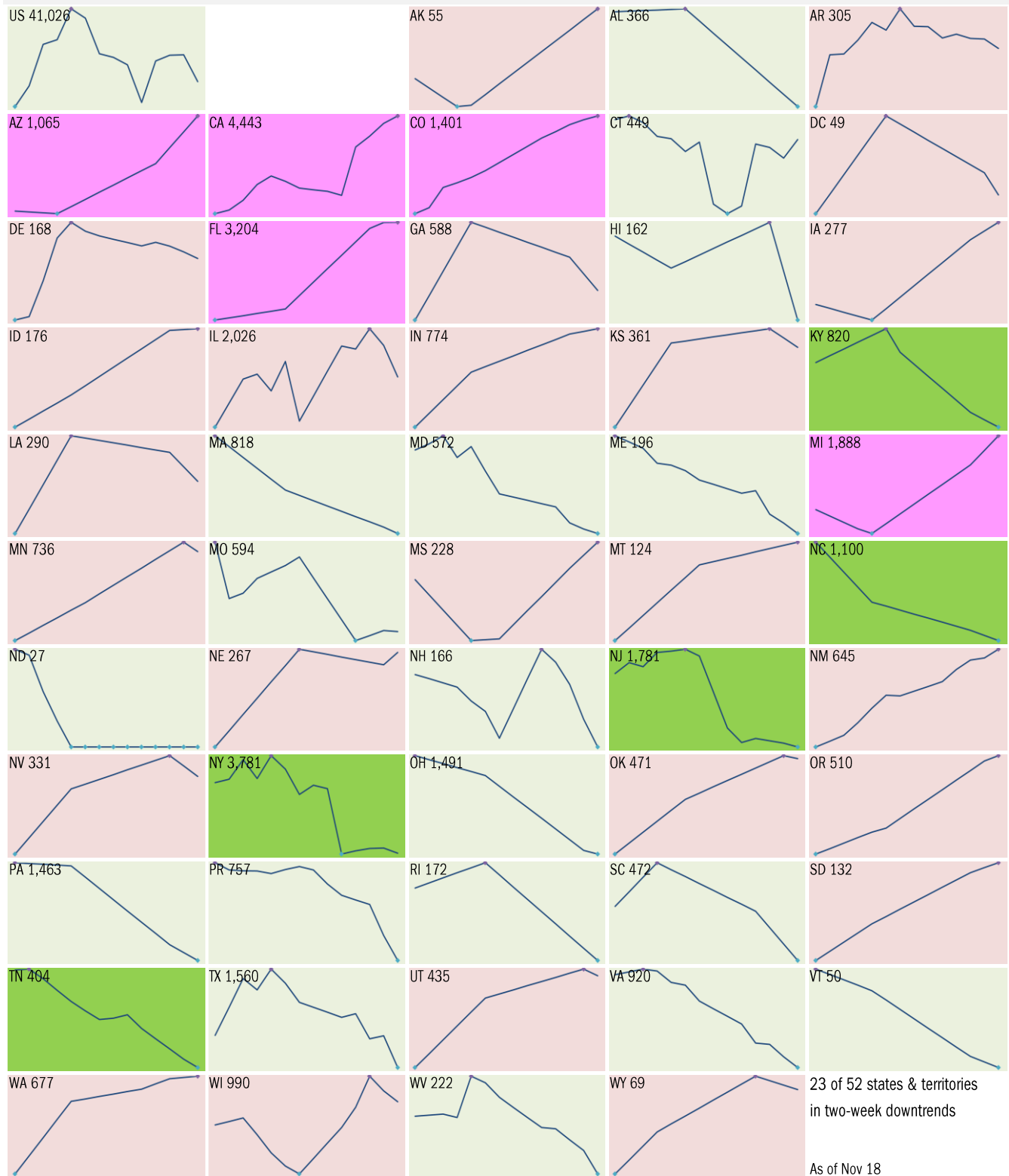


Source: [Johns Hopkins](#), TrendMacro calculations

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

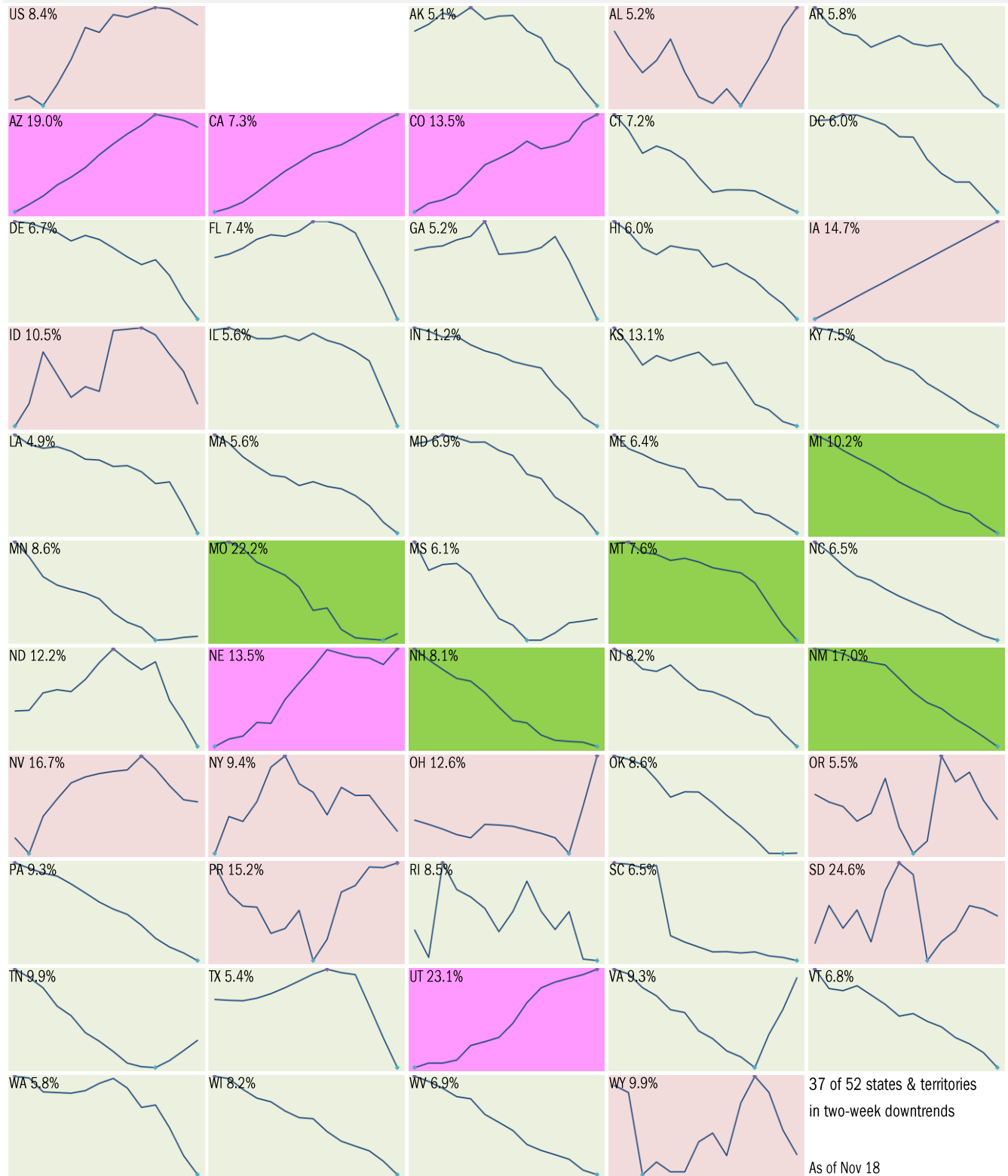


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

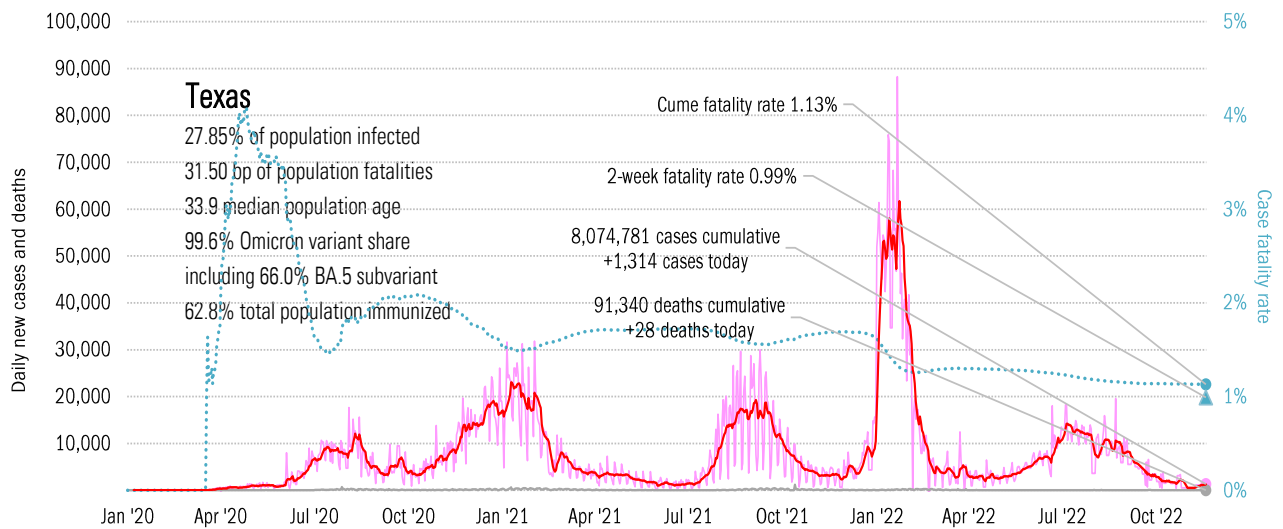
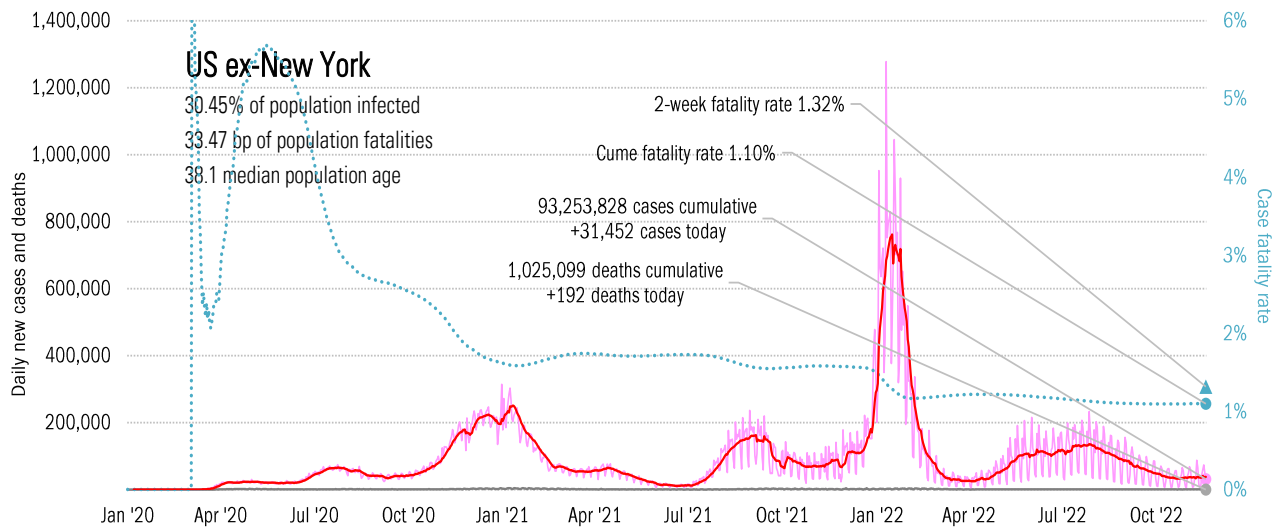
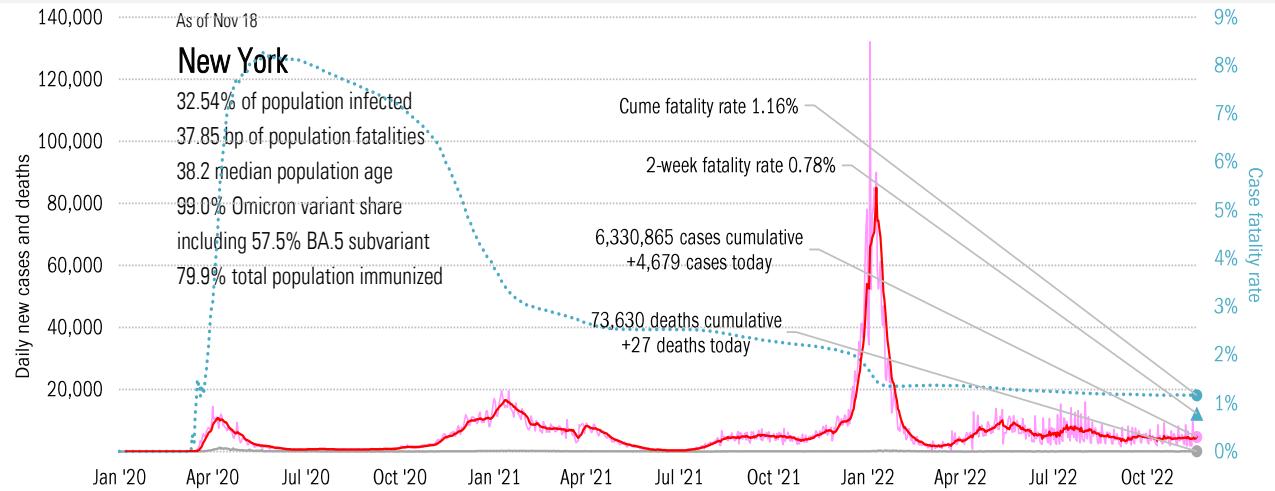
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

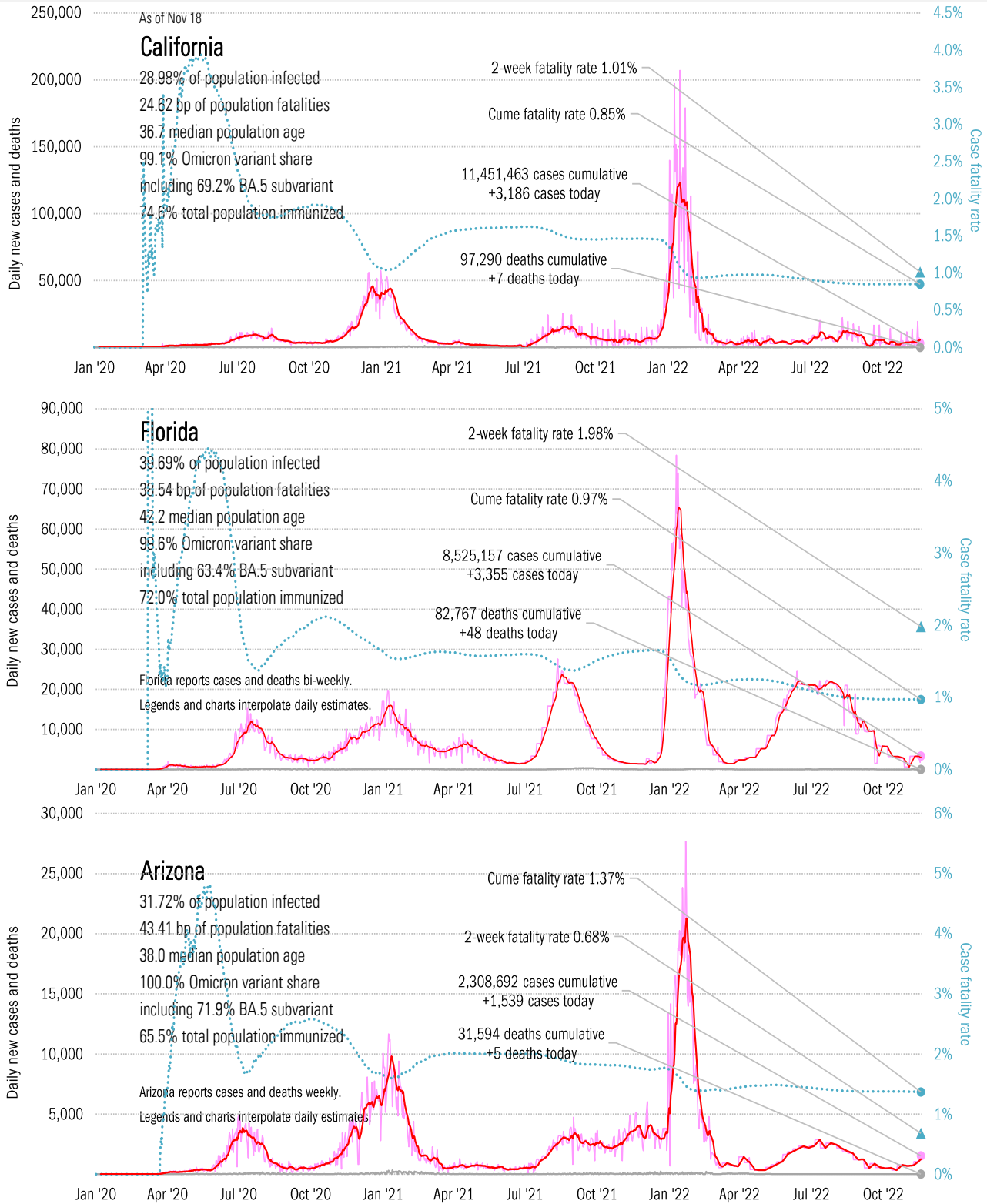
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

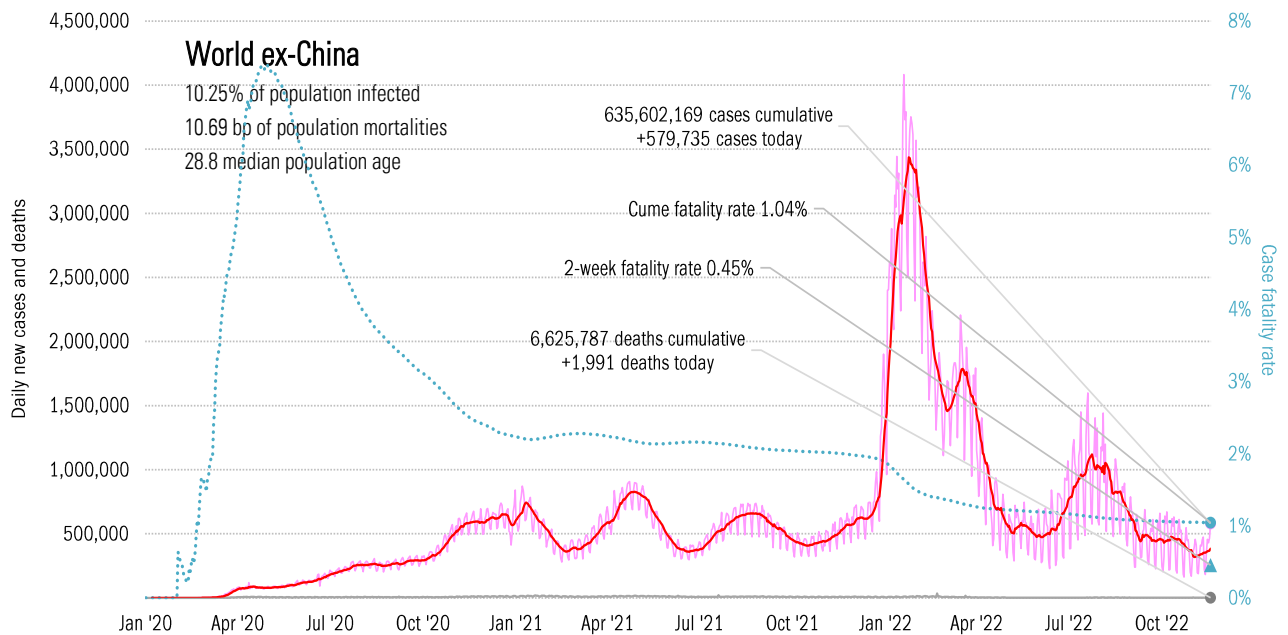
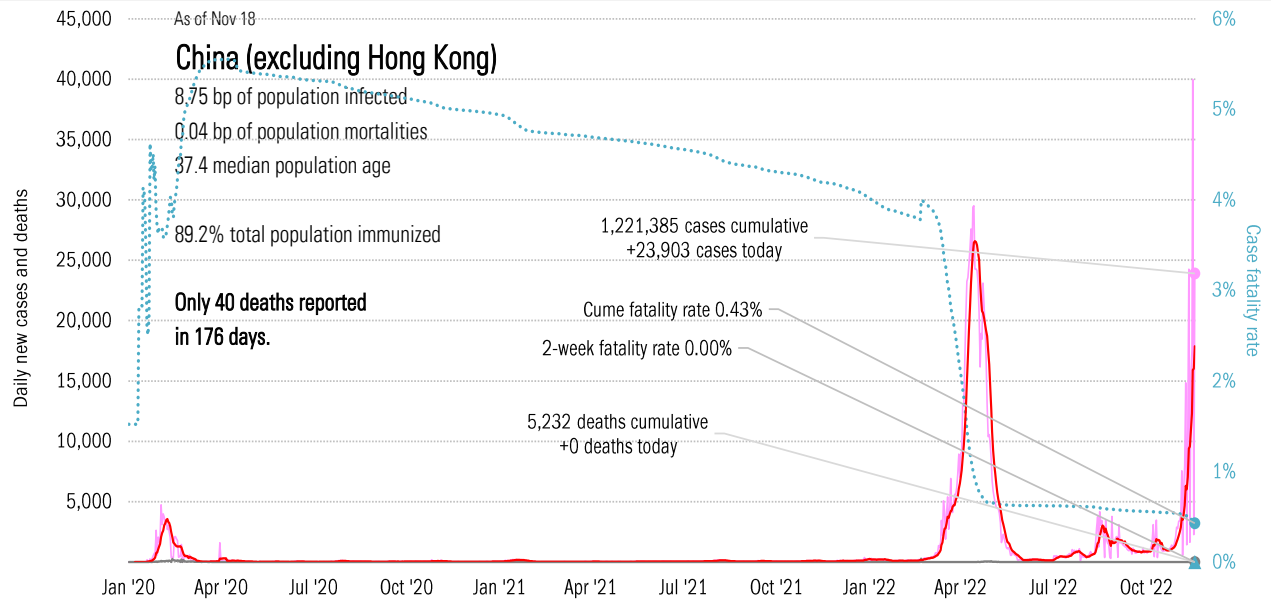
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

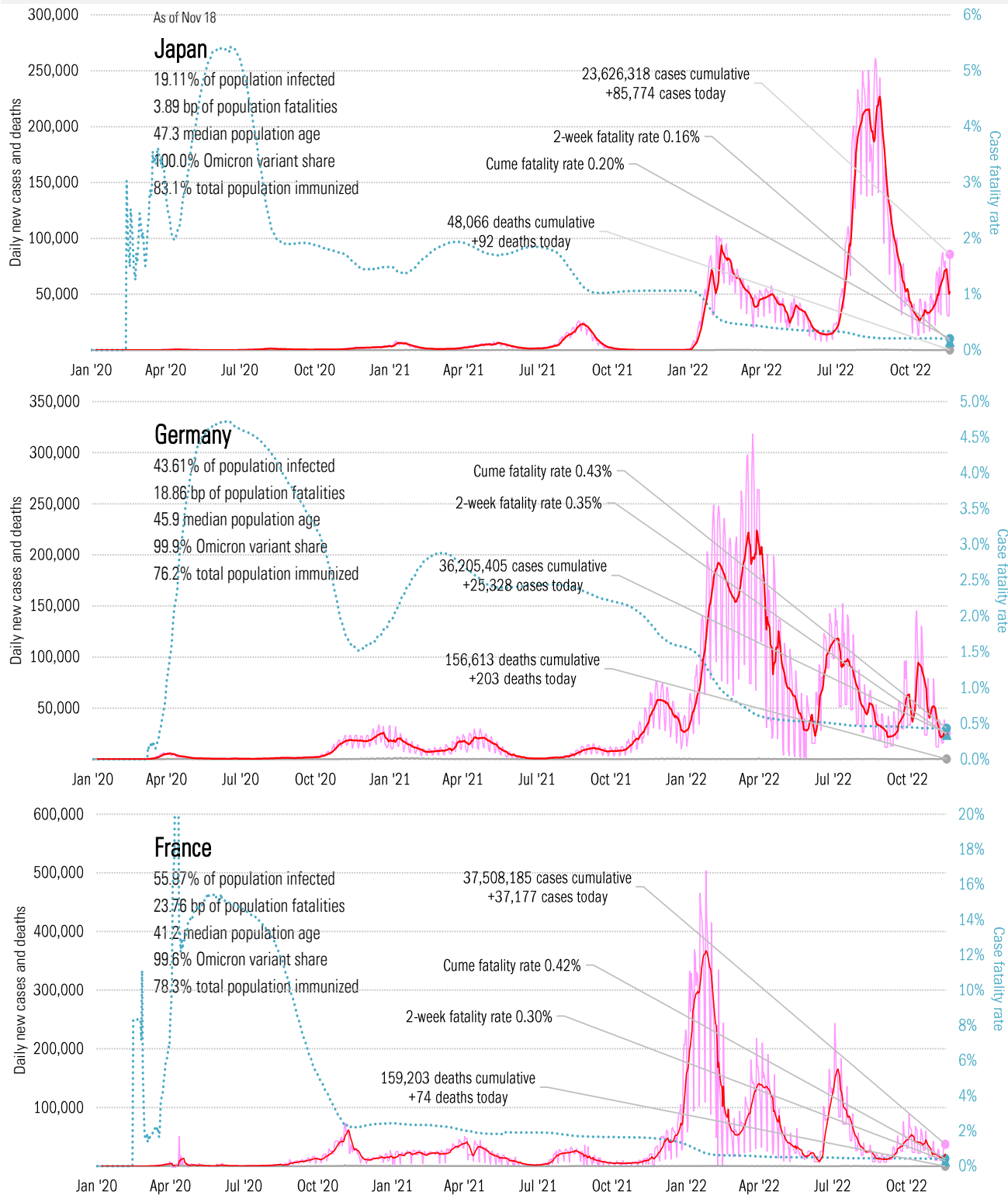
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

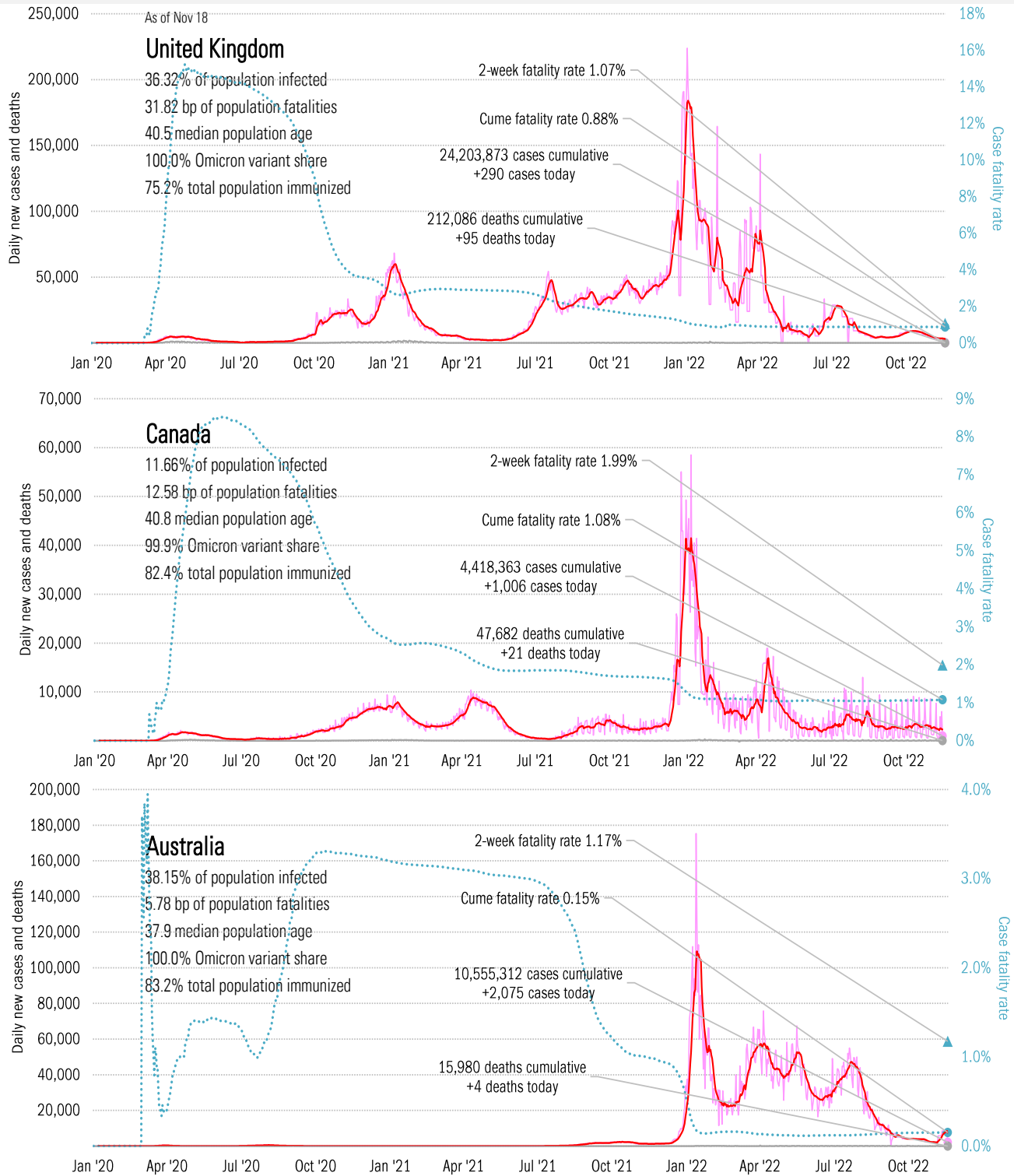
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

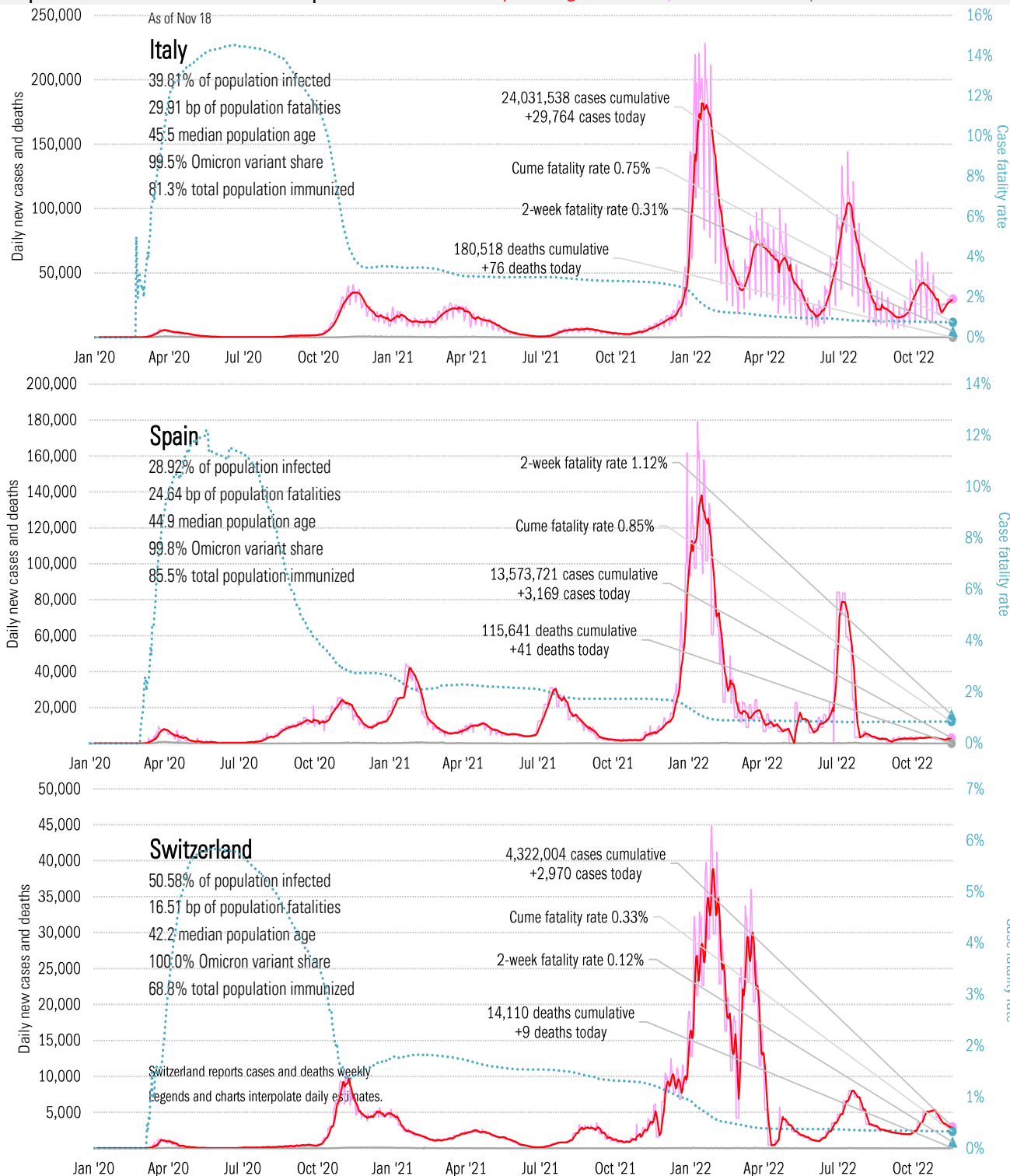
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

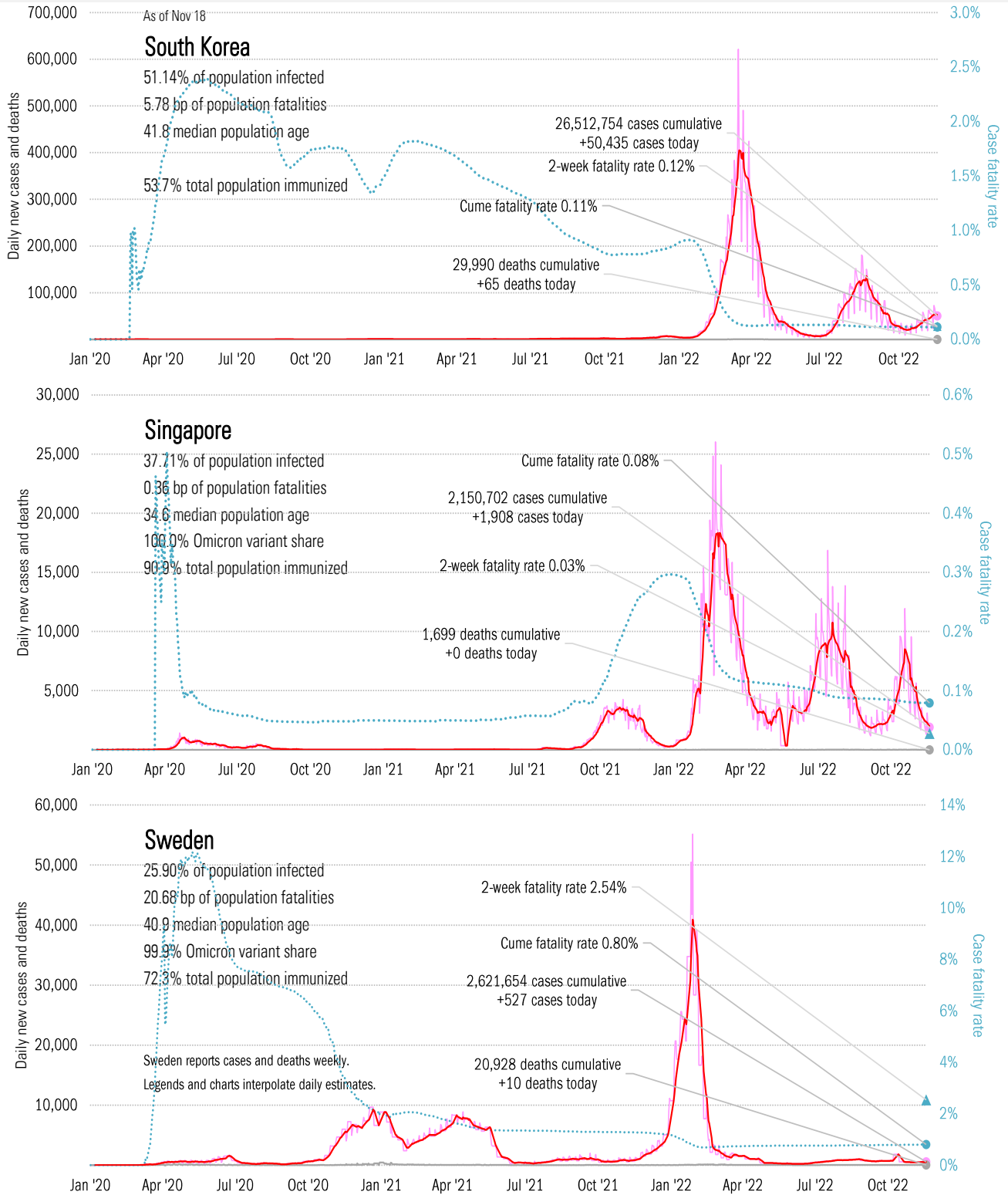
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

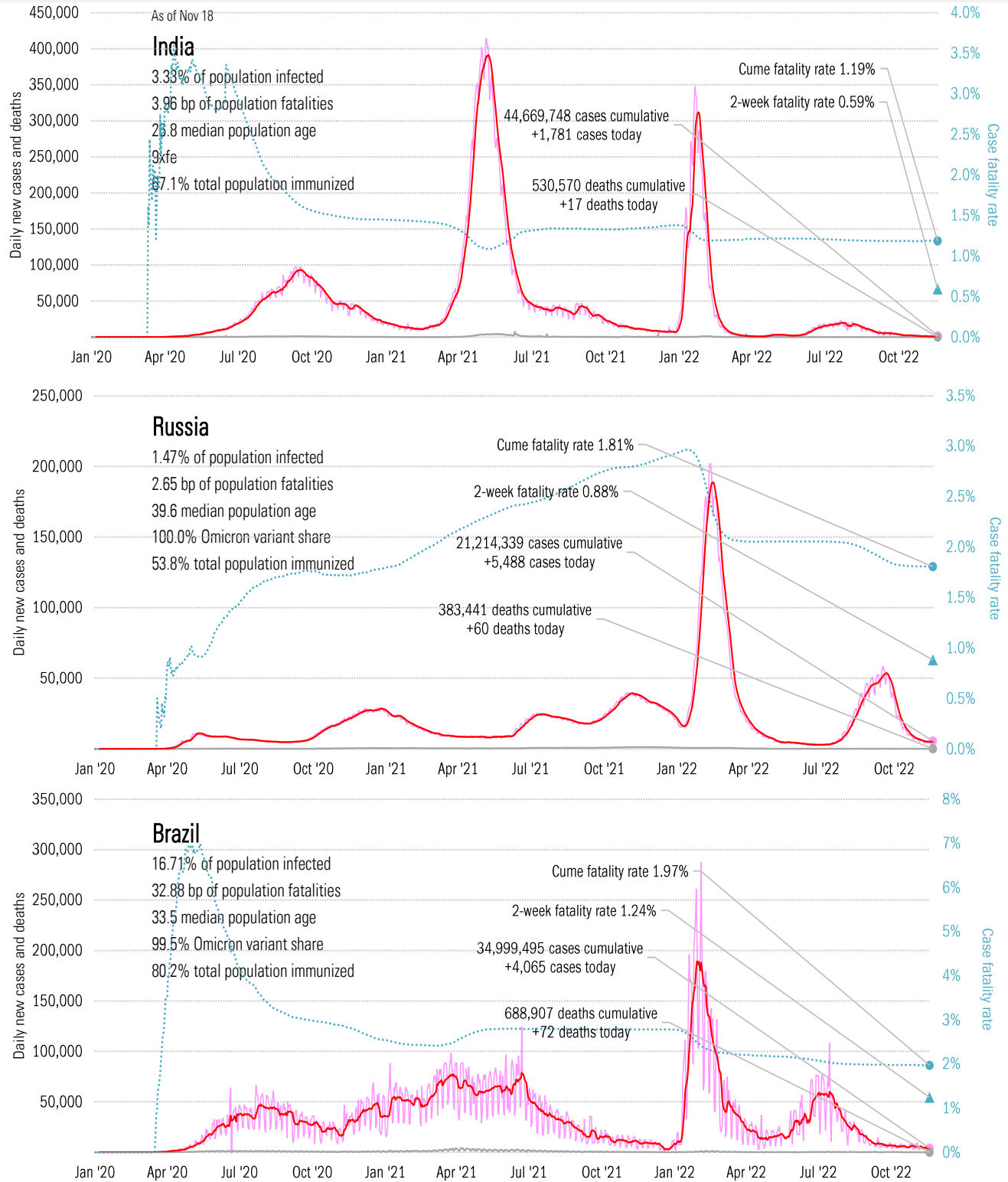
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

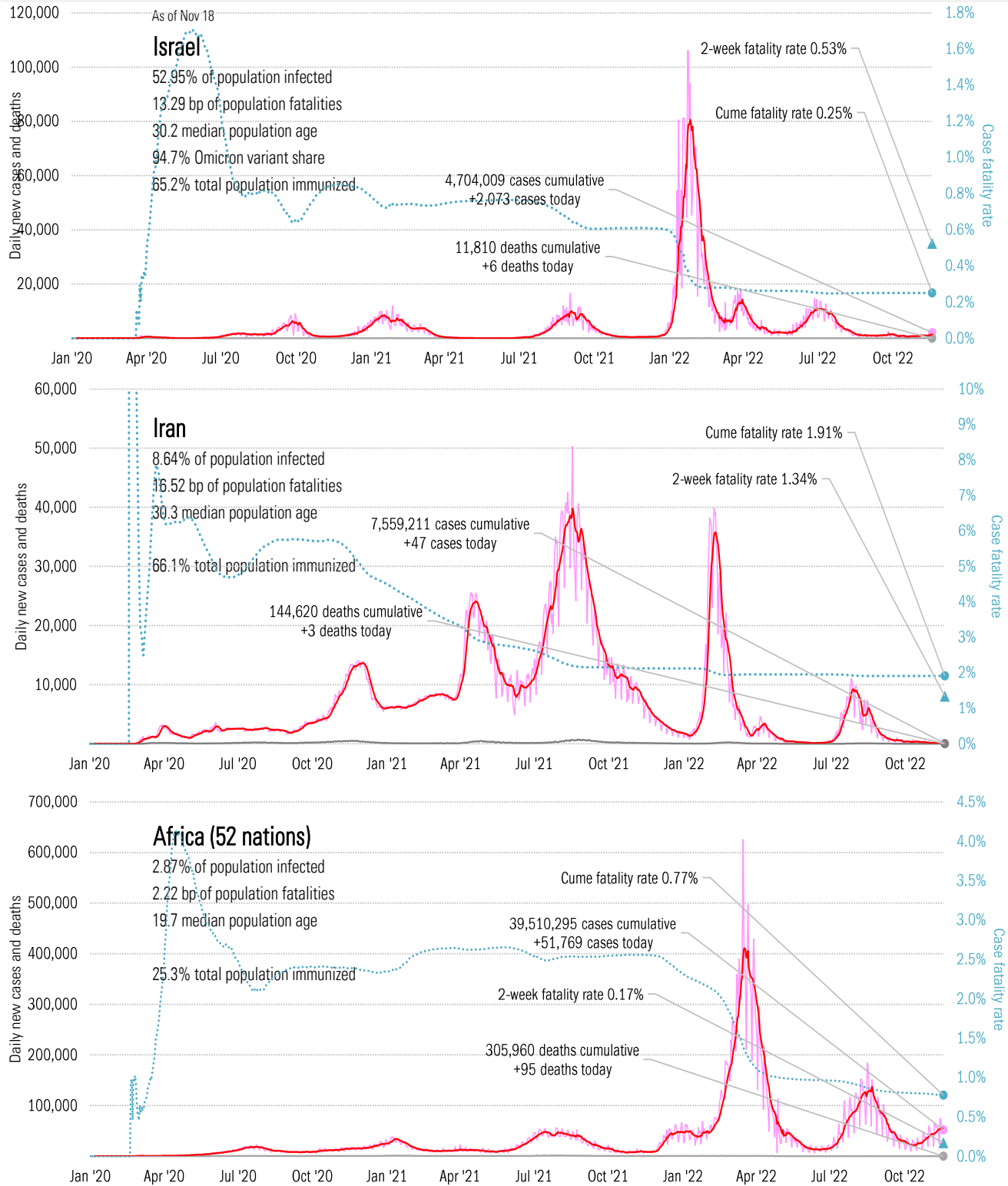
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

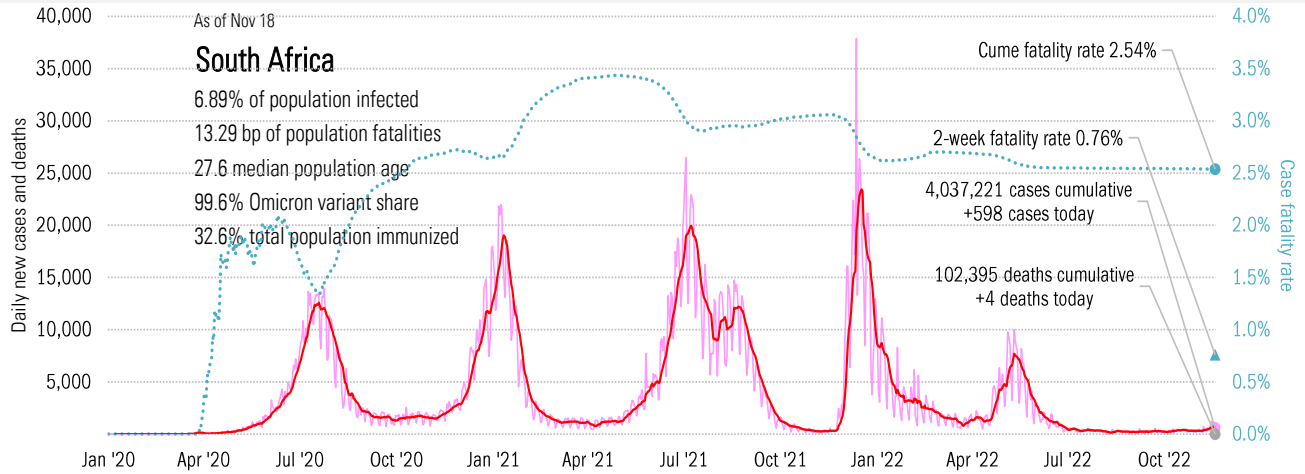
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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