

Data Insights: Covid-2019 Monitor

Sunday, November 6, 2022

The global scorecard

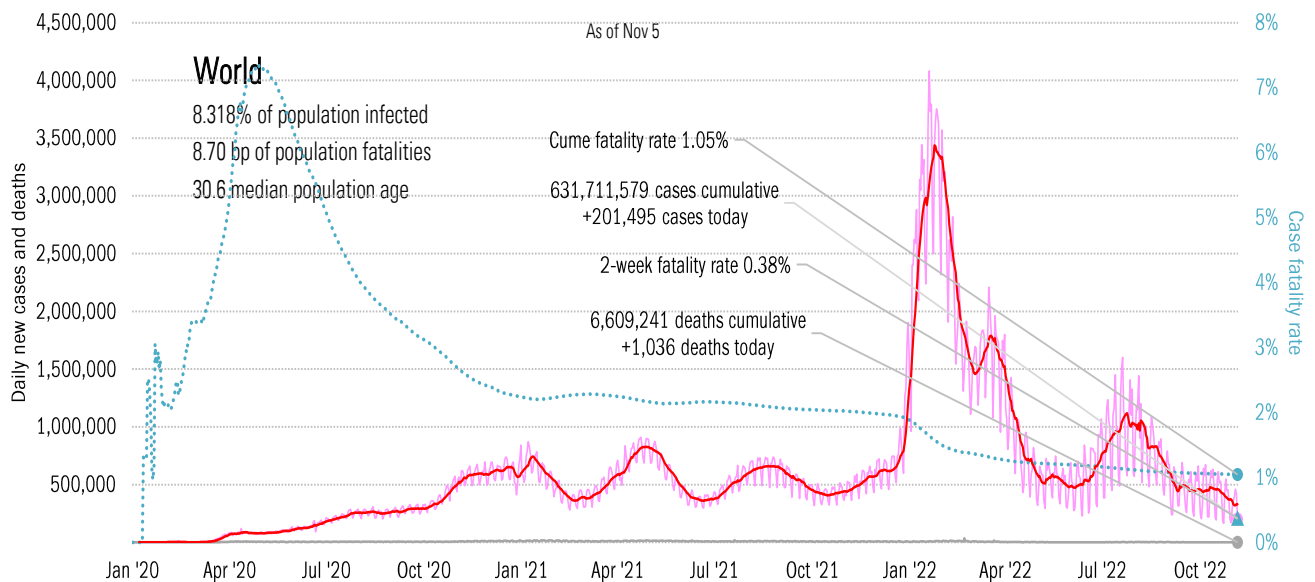
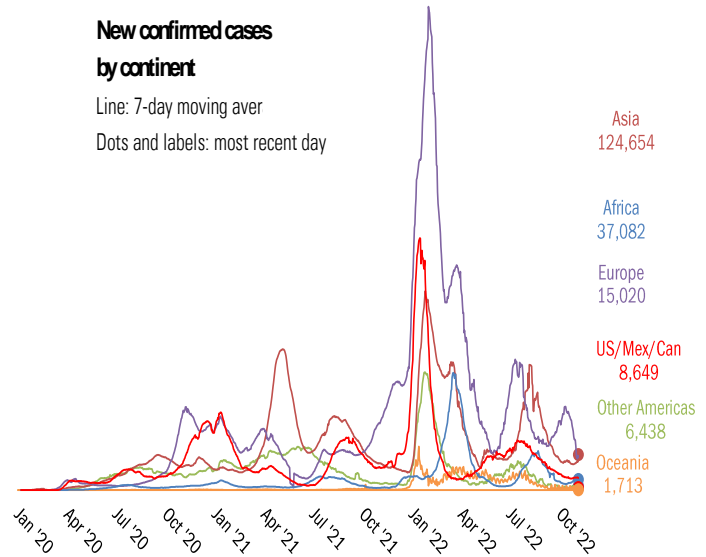
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	74,170	United States	336
United States	41,346	Japan	72
Korea, South	36,675	Taiwan*	67
Taiwan*	25,535	Russia	66
Chile	8,990	Chile	52
China	7,546	Indonesia	39
Russia	5,551	Peru	32
Indonesia	4,717	Philippines	29
Malaysia	4,621	Korea, South	18
Austria	4,307	India	14
213,458		725	

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

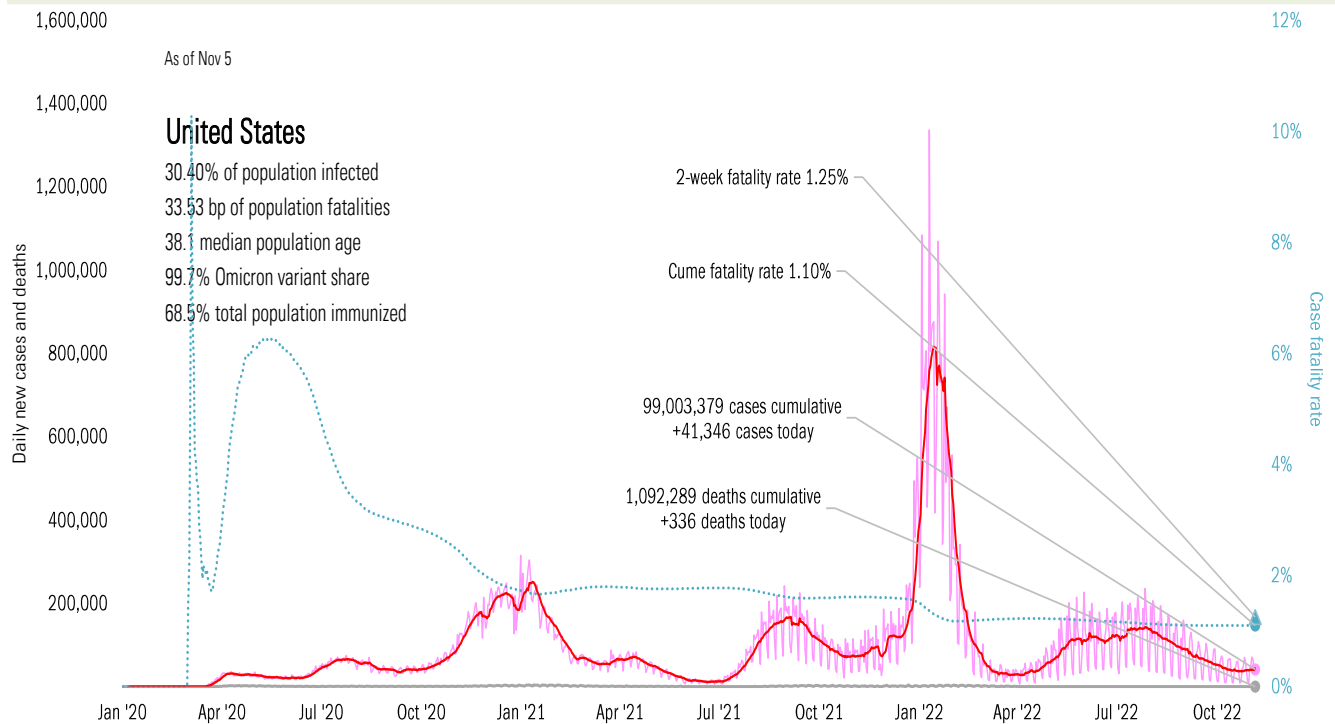
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
TX	3,818		NY	32		CA	316		CA	11,388,213		CA	97,005		TX	551,533		RI	91%	UT	123%
FL	3,308		FL	26		NY	381		FL	8,483,609		TX	91,224		CA	509,320		MA	89%	VT	91%
NY	2,586		MI	22		OH	217		TX	8,047,691		FL	82,484		FL	499,846		MN	87%	AK	89%
CA	2,534		WA	20		FL	179		NY	6,272,620		NY	73,287		NY	312,346		WA	85%	TX	84%
IL	2,465		PA	19		AZ	82		IL	3,823,905		PA	47,840		GA	228,296		MO	84%	NC	84%
NJ	1,973		IL	18		PA	204		PA	3,317,854		GA	40,696		CH	223,985		CA	83%	NH	84%
PA	1,781		ME	18		CO	71		NC	3,246,175		CH	40,249		PA	210,143		DE	83%	MA	84%
CH	1,752		TX	18		IL	194		CH	3,197,300		IL	40,058		IL	192,011		WV	83%	RI	83%
MI	1,664		CT	15		TX	145		GA	2,924,732		MI	39,406		MI	167,525		MD	83%	NE	83%
VA	1,294		AR	13		IN	78		MI	2,897,827		NJ	34,931		KY	146,778		NH	83%	GA	82%
23,185			202			1,867			53,599,926			587,180			3,041,783						
All states 41,346			336			3,586			All states 99,003,379			1,092,289			5,522,883			All states 70%		67%	
Top ten 56%			60%			52%			Top ten 54%			55%			55%			Median 78%		74%	

Some states not reporting

Five most improved US states

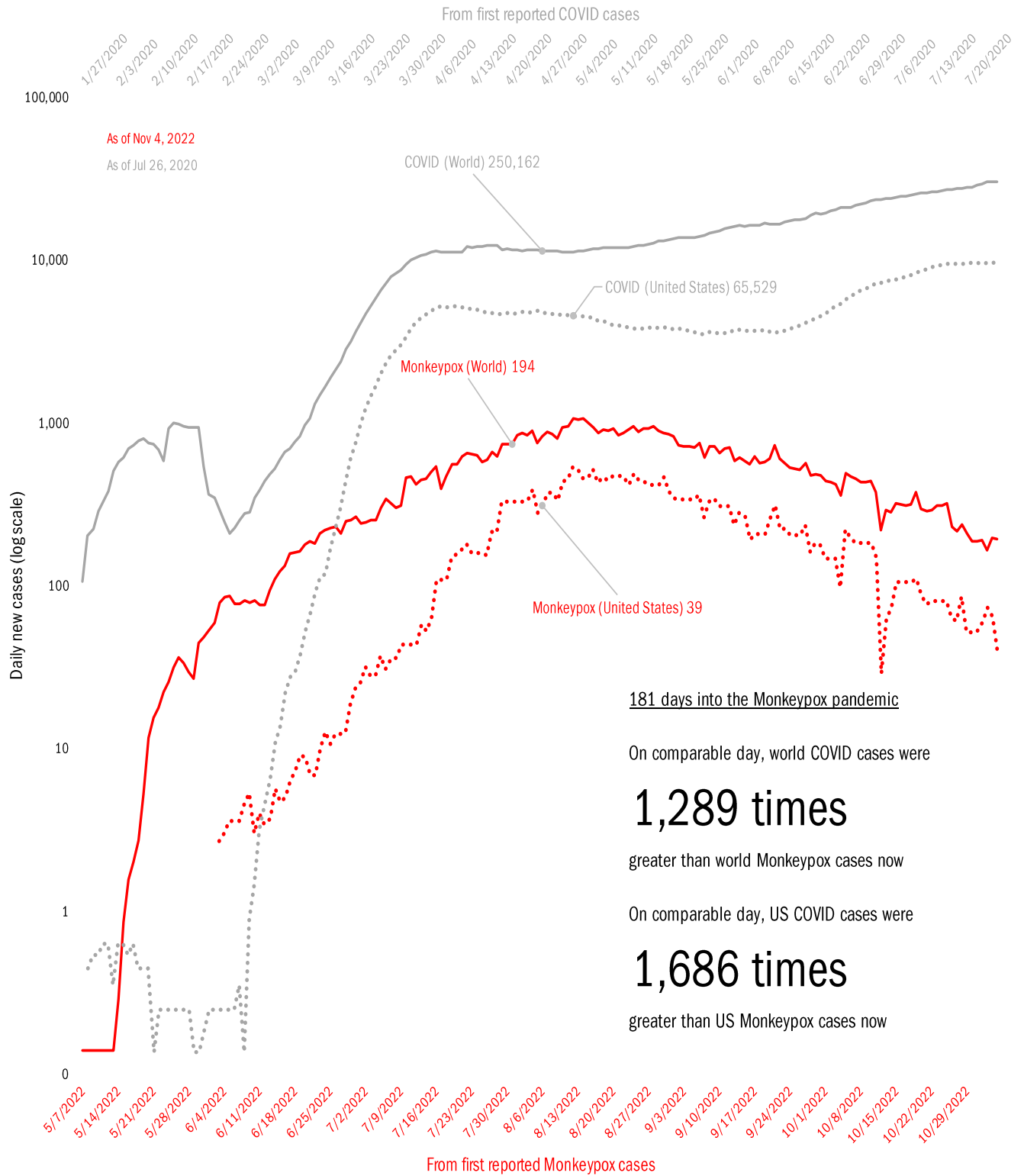
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-2,597	MT	-3	OR	-31
ME	-26	KS	-2	LA	-24
AK	0	ID	-1	MD	-24
AL	0	UT	-1	GA	-19
AR	0	AK	0	NE	-18



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

The Monkeypox contextualizer

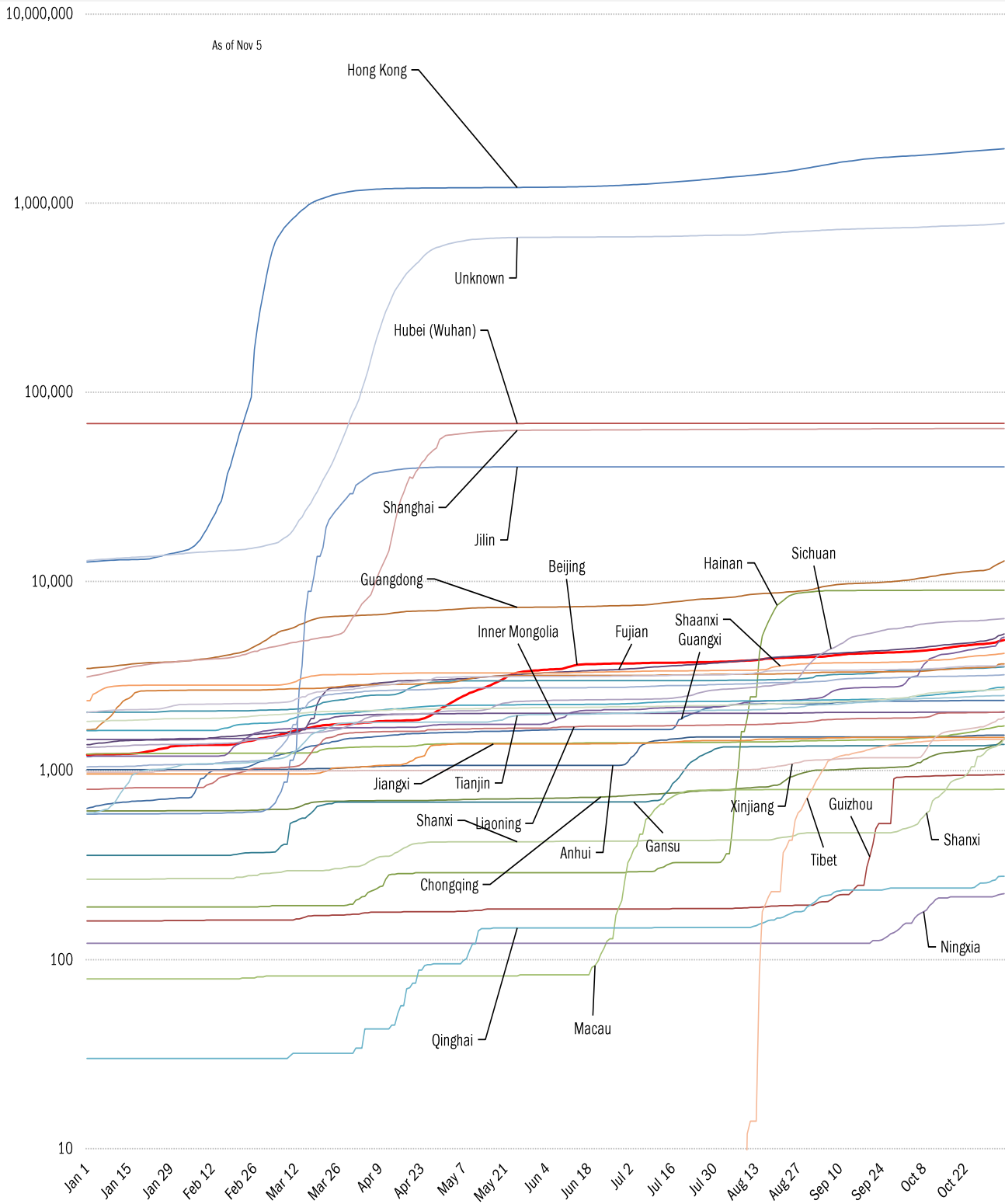
The course of case growth versus COVID



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"

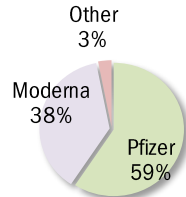


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered Doses	Cumulative		Today		Immunity	Full	Partial	
	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
At least partial immunity as % population
Full immunity as % population

Best
Middle
Worst

"Immunity" = two doses

WI	74.2%
	67.5%

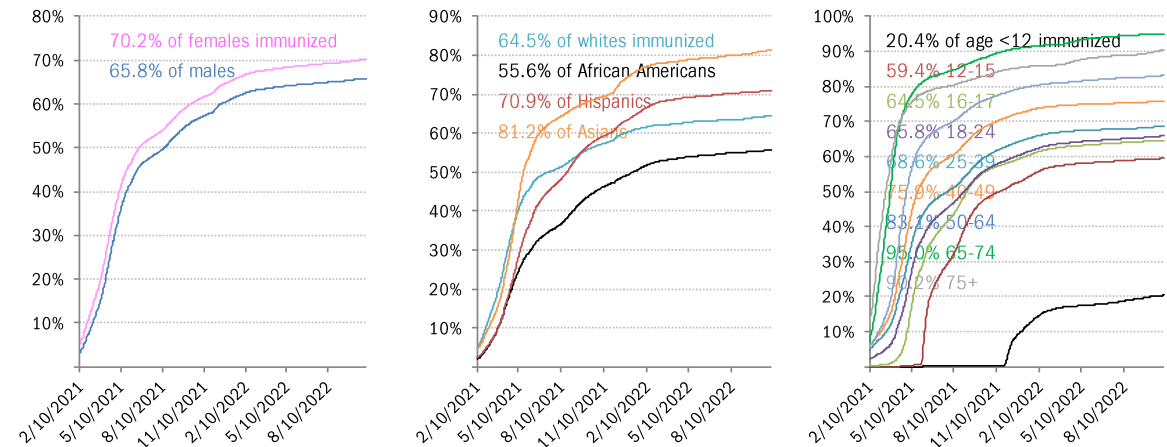
As of Nov 4

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%										

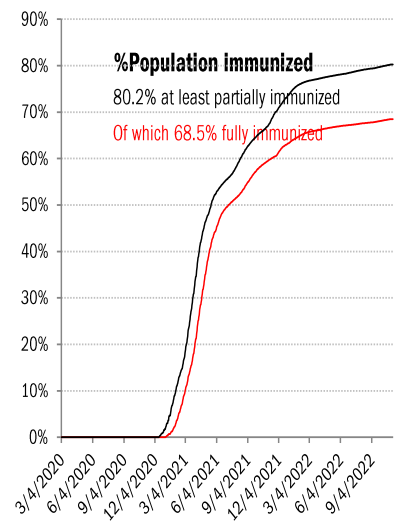
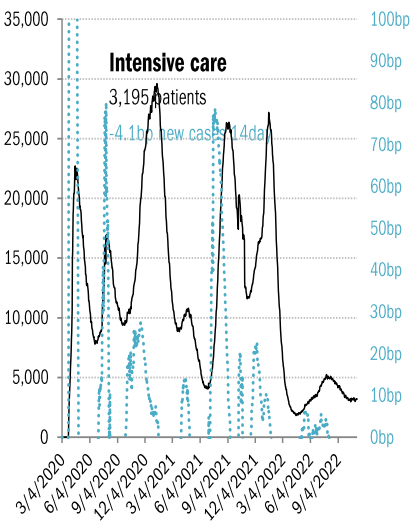
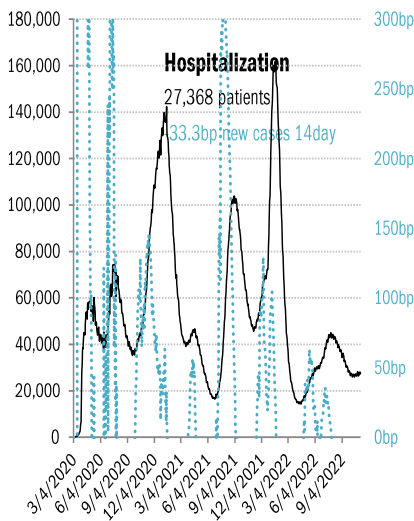
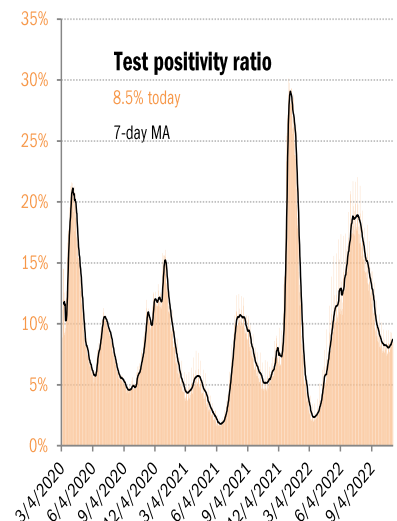
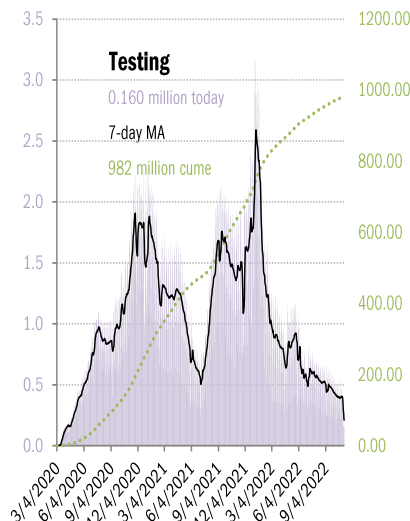
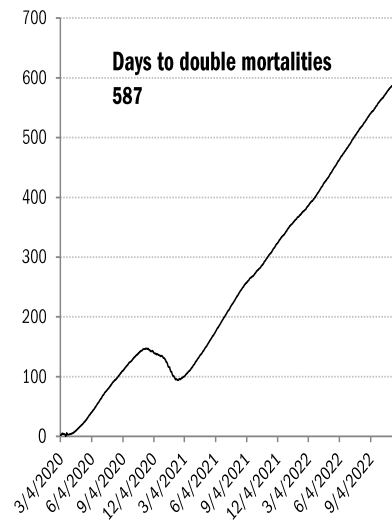
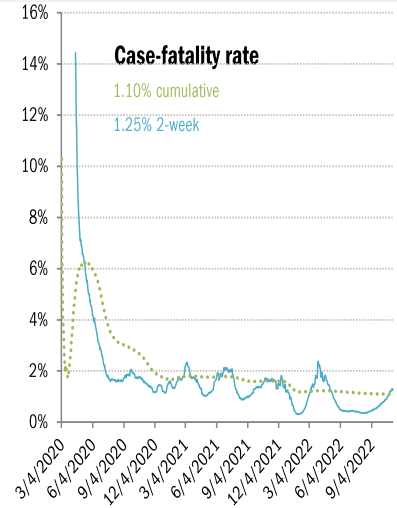
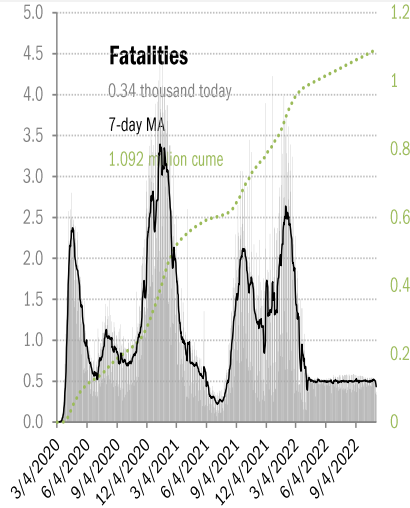
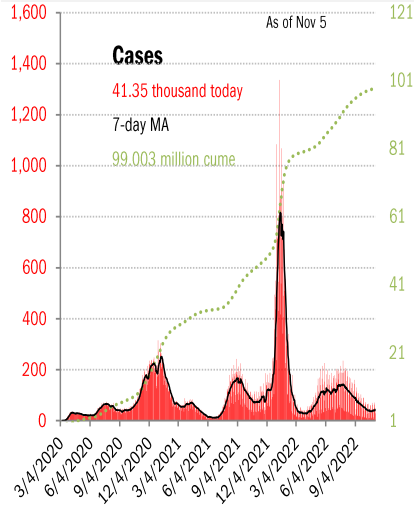
Global data differs due to sources, timing

The demographics of US vaccination



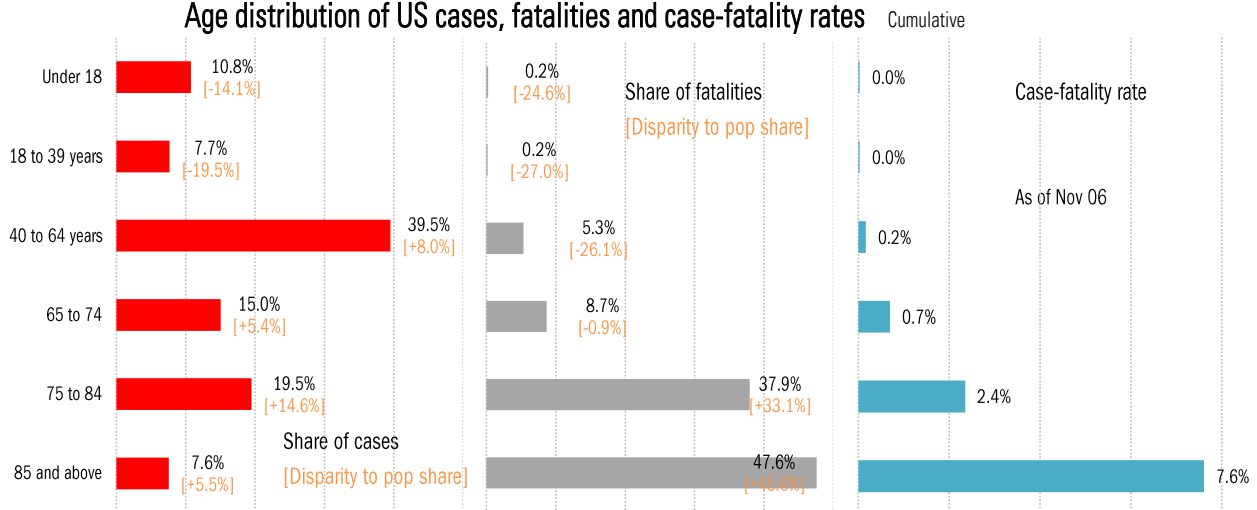
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

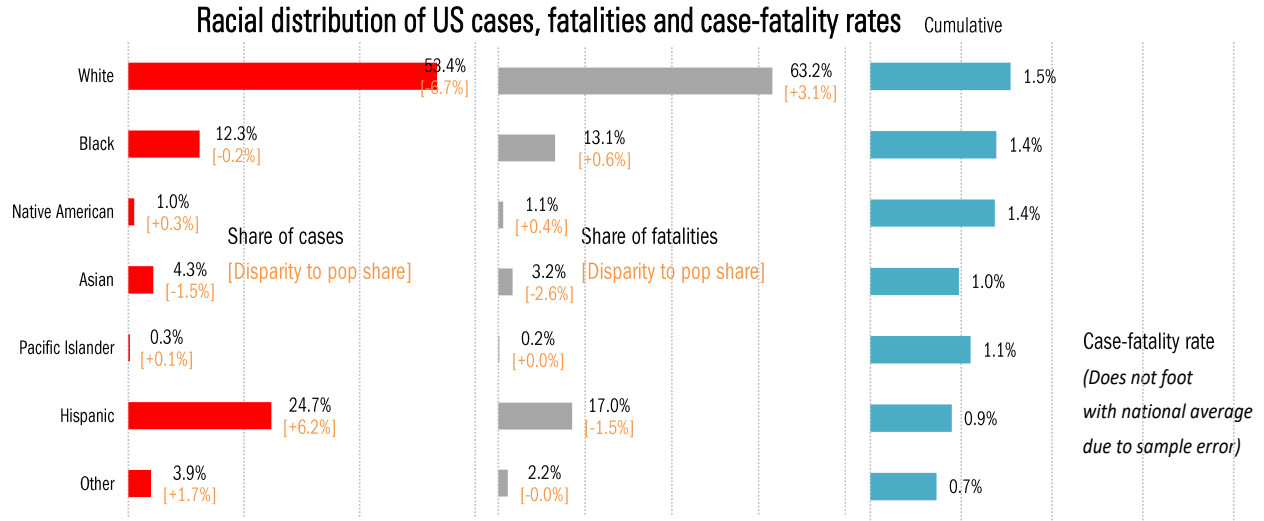


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

Age distribution of US cases, fatalities and case-fatality rates

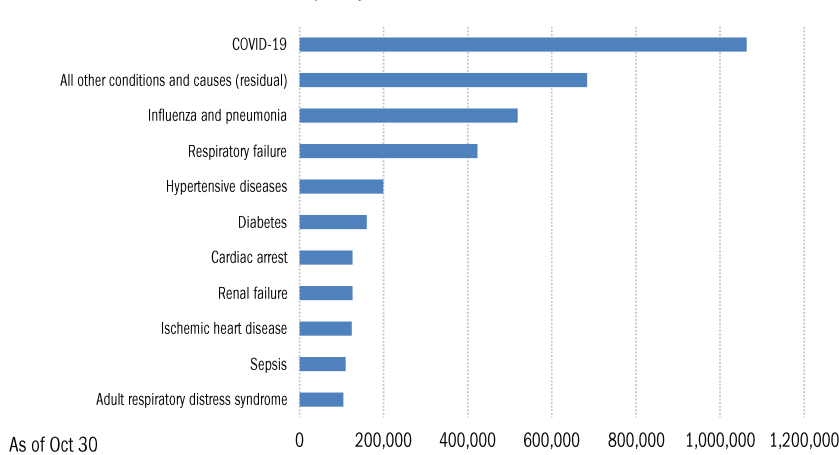


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Myocarditis After COVID-19 Vaccination in Pediatrics:
A Proposed Pathway for Triage and Treatment](#)

Nefthi Sandeep

Journal of the American Heart Association

October 26, 2022

[Deaths Caused By Alcohol Spiked by 26% During the
Pandemic](#)

Tara Law

Time

November 4, 2022

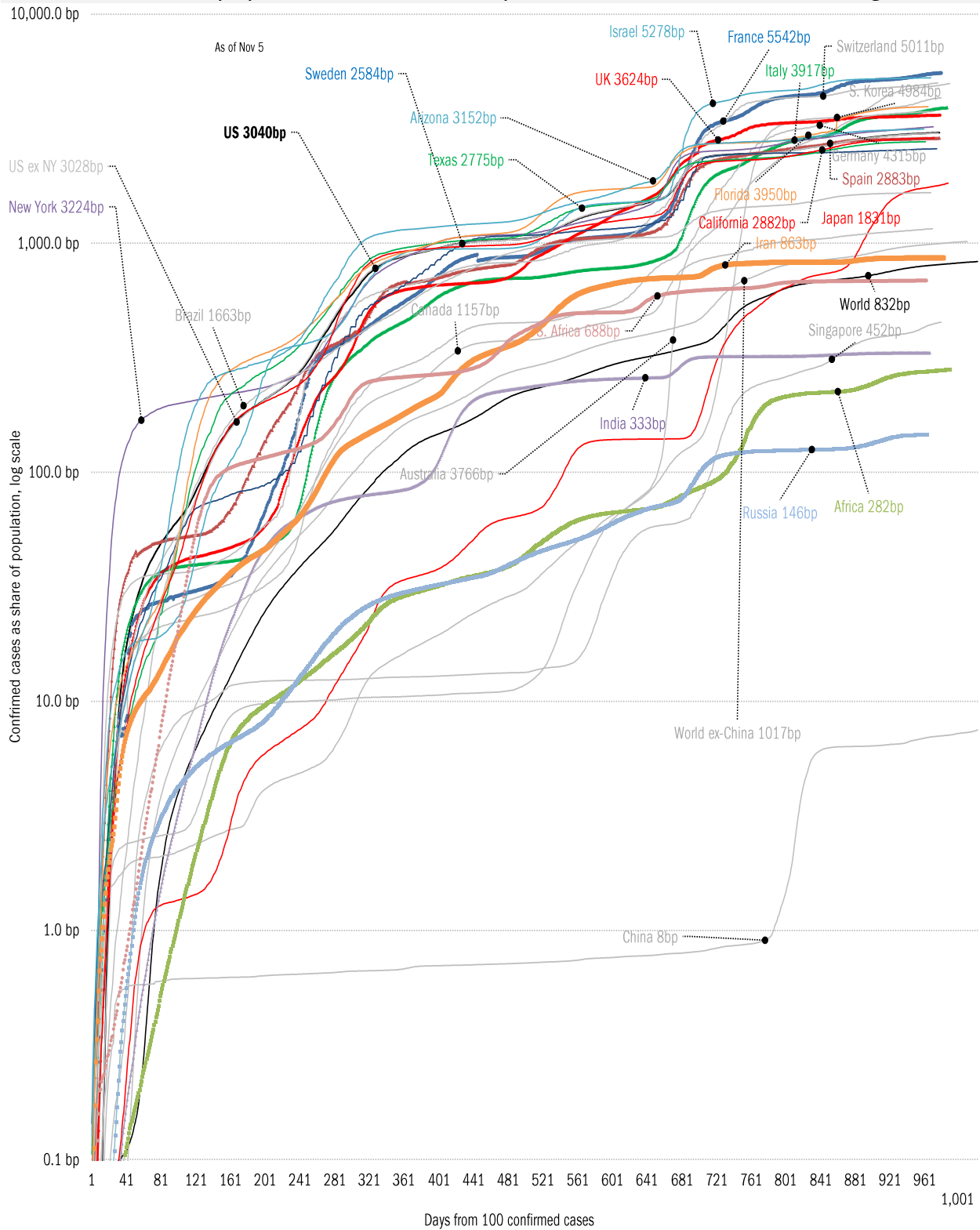
Meme of the day



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

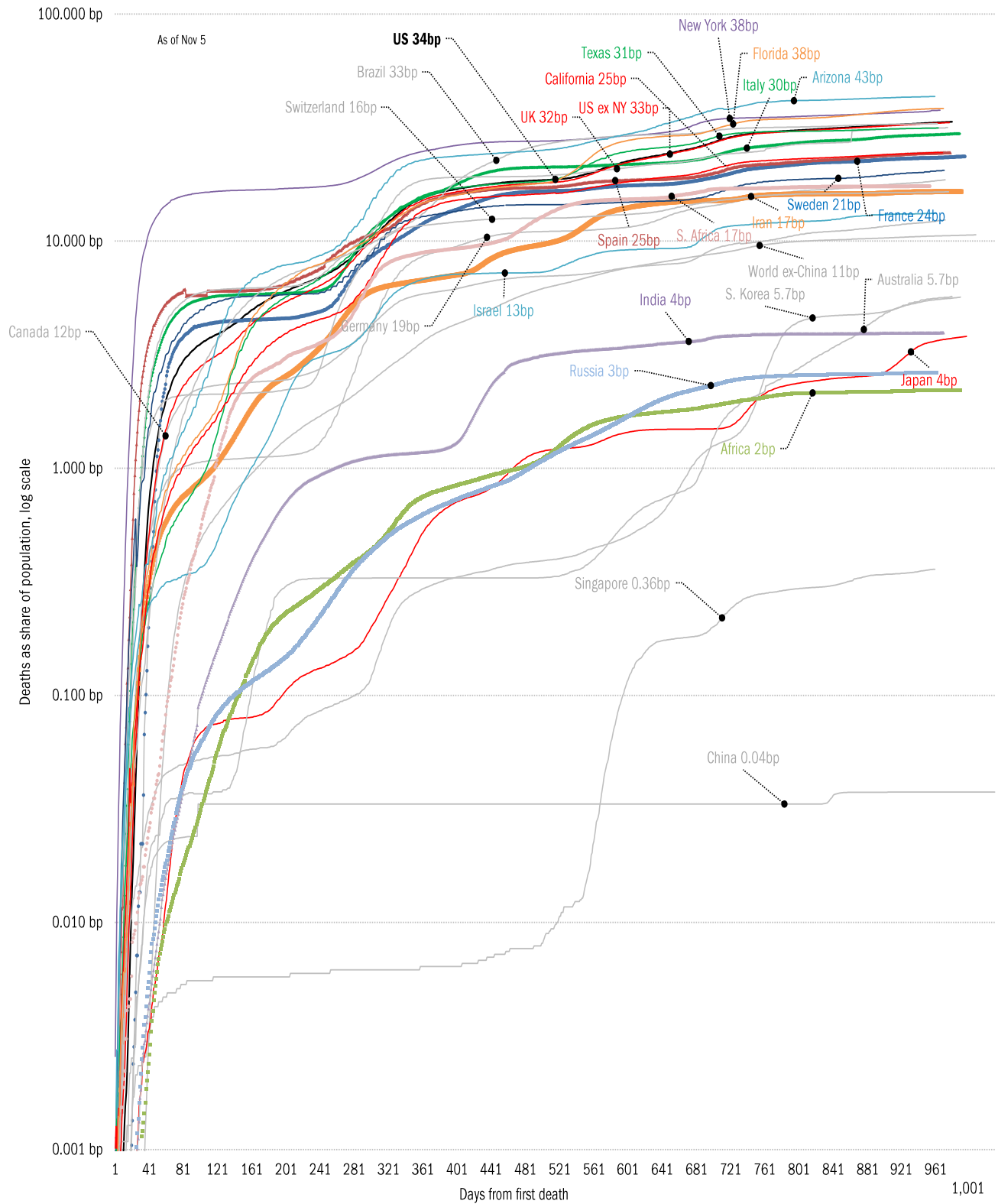
The global coronavirus case accelerometer... tracking the world's infection curves

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

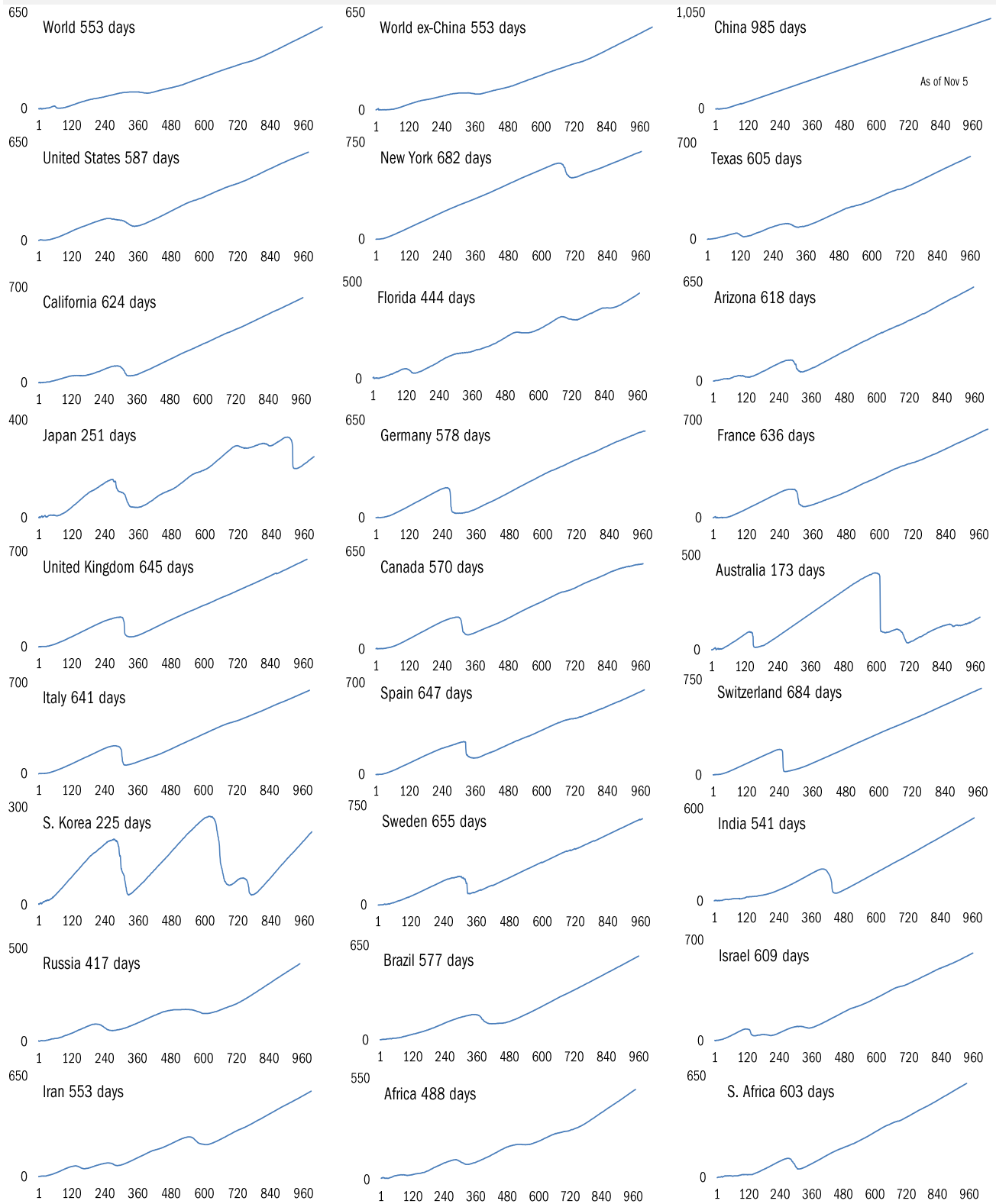


Source: [Johns Hopkins](#), TrendMacro calculations

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

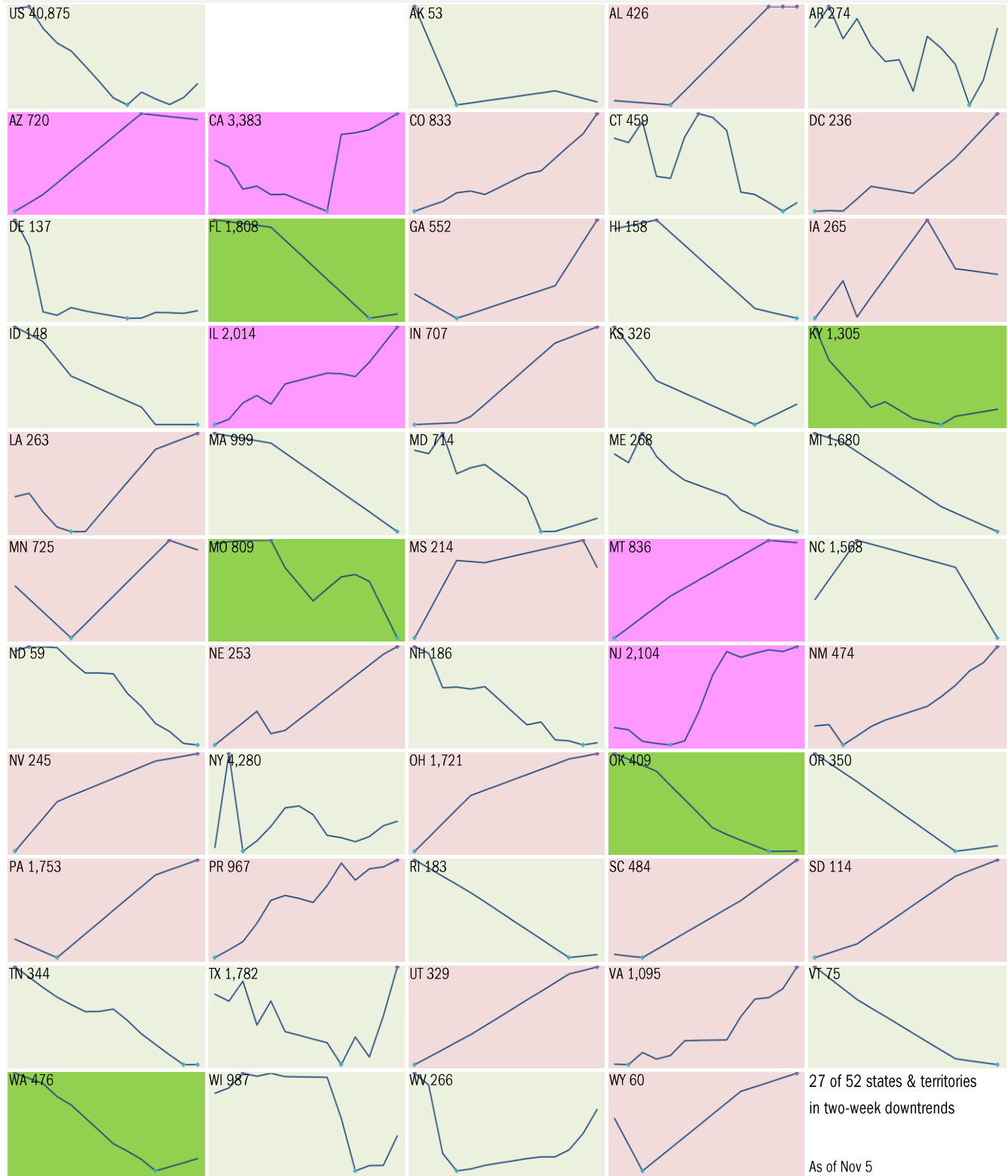


Source: [Johns Hopkins](#), TrendMacro calculations

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

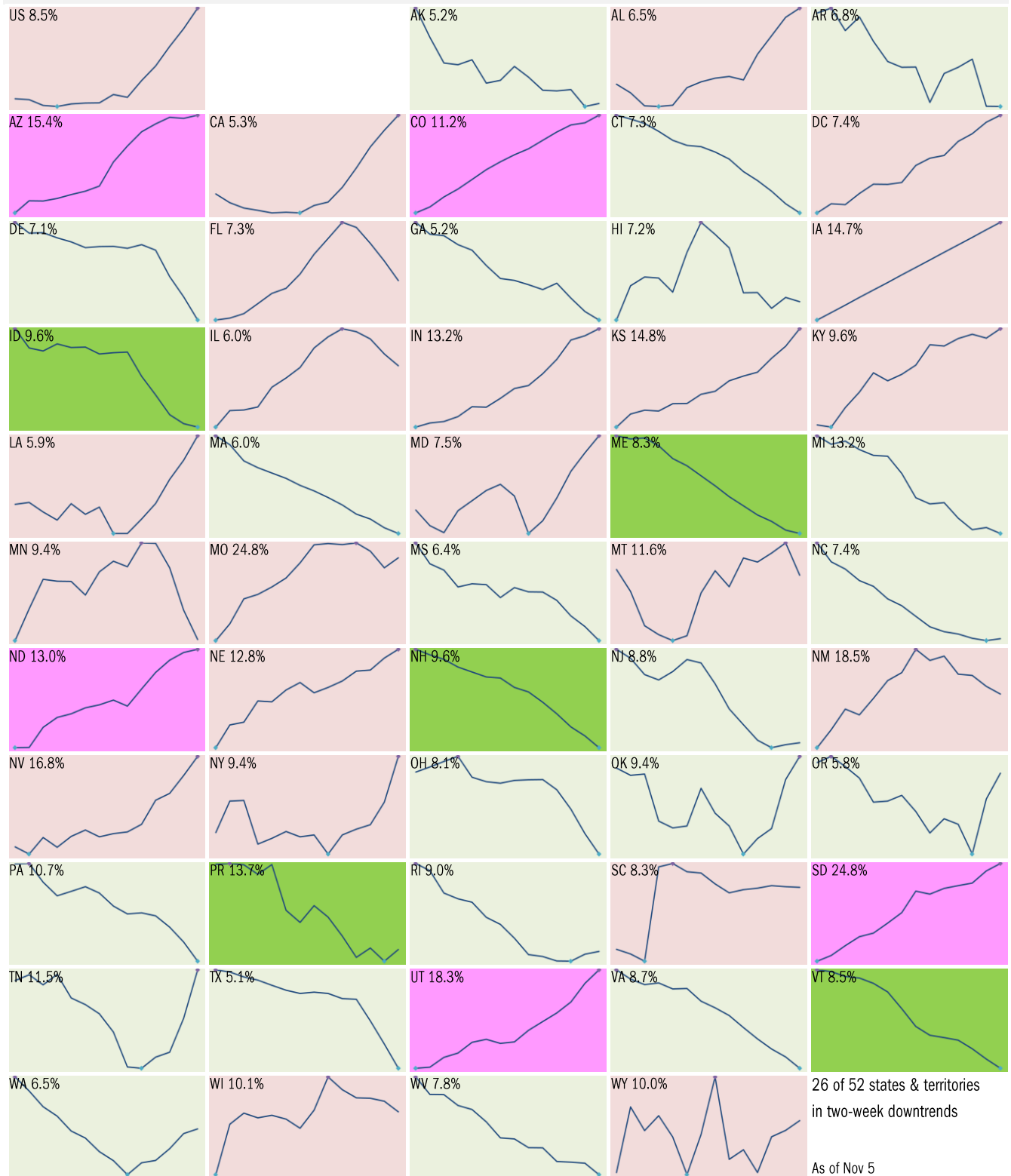


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

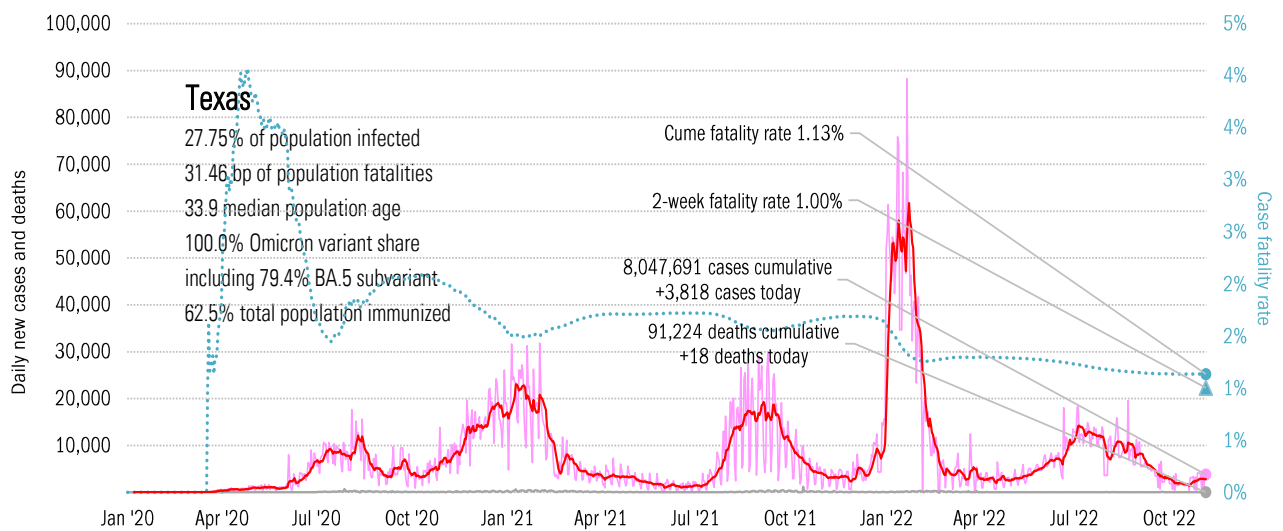
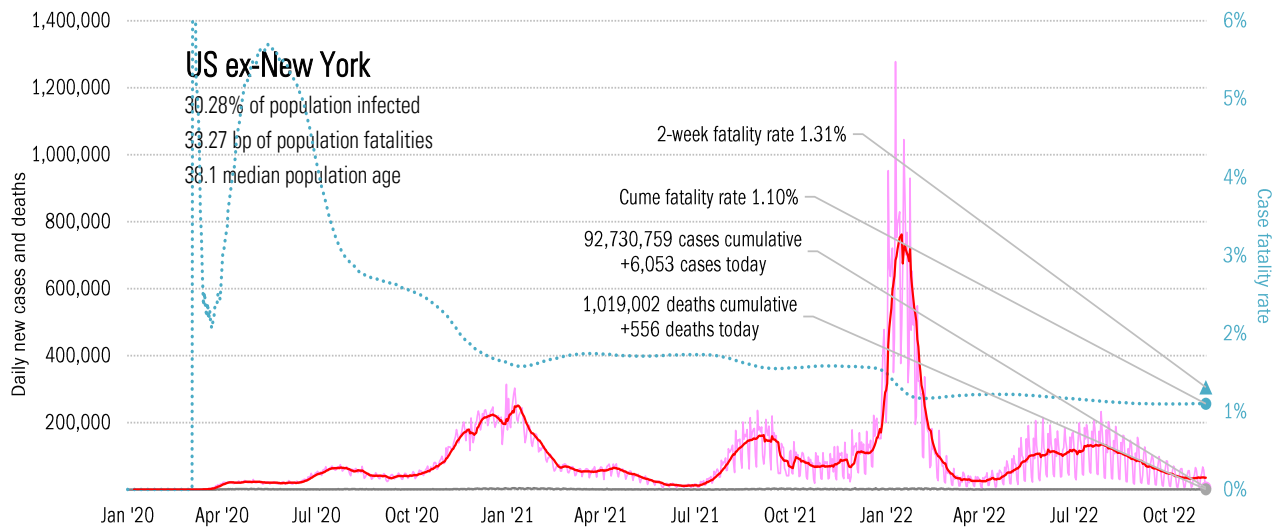
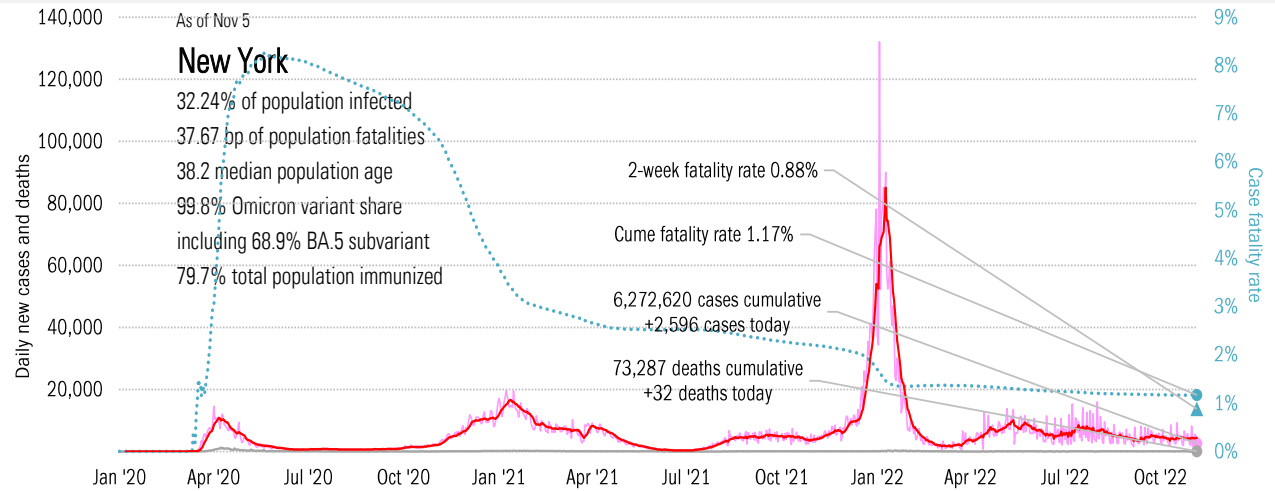
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

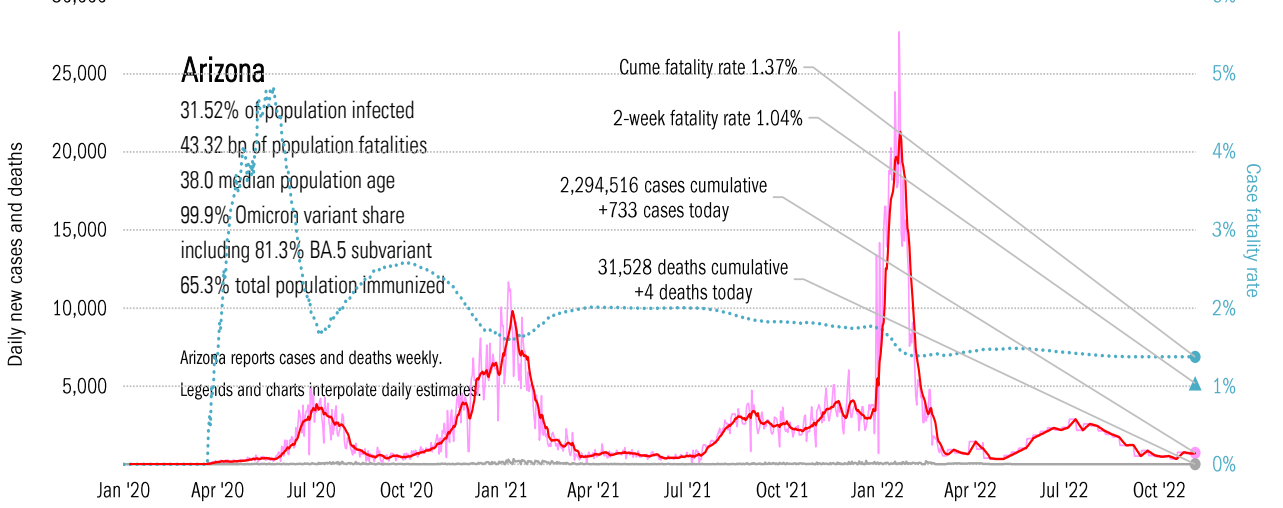
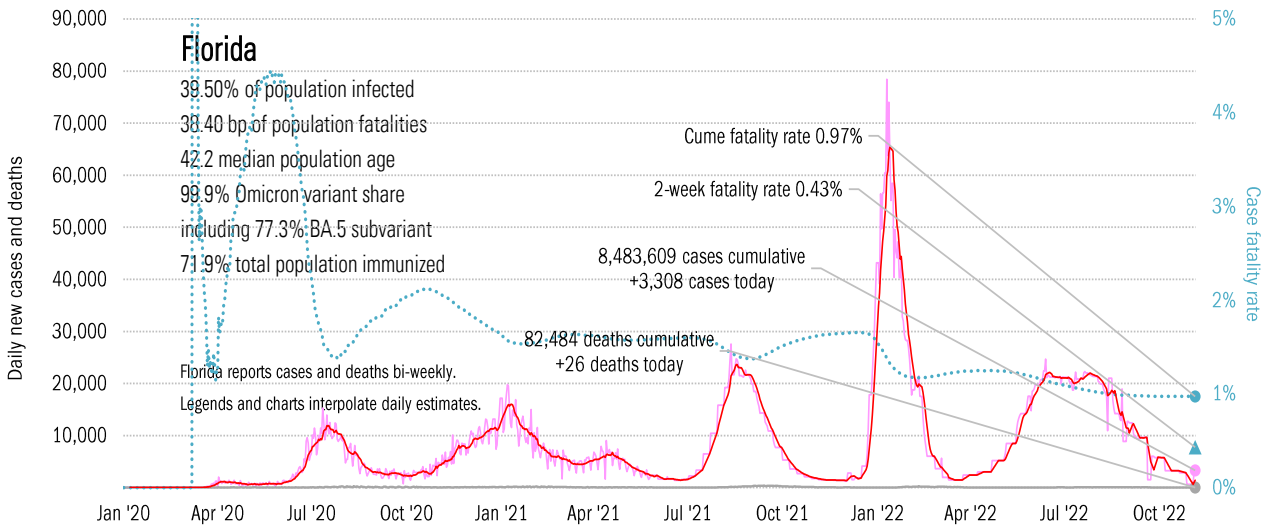
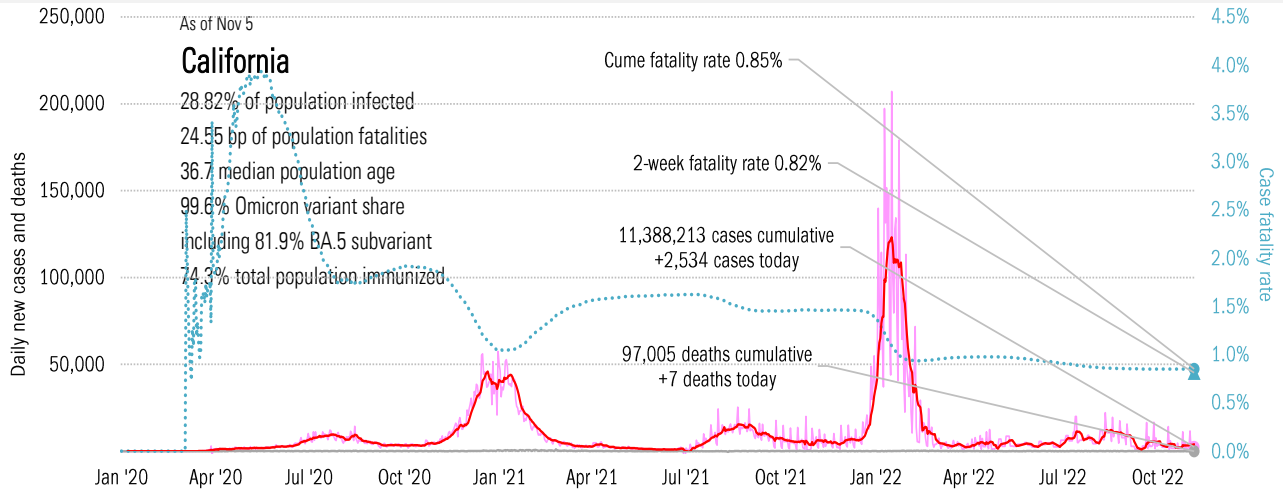
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

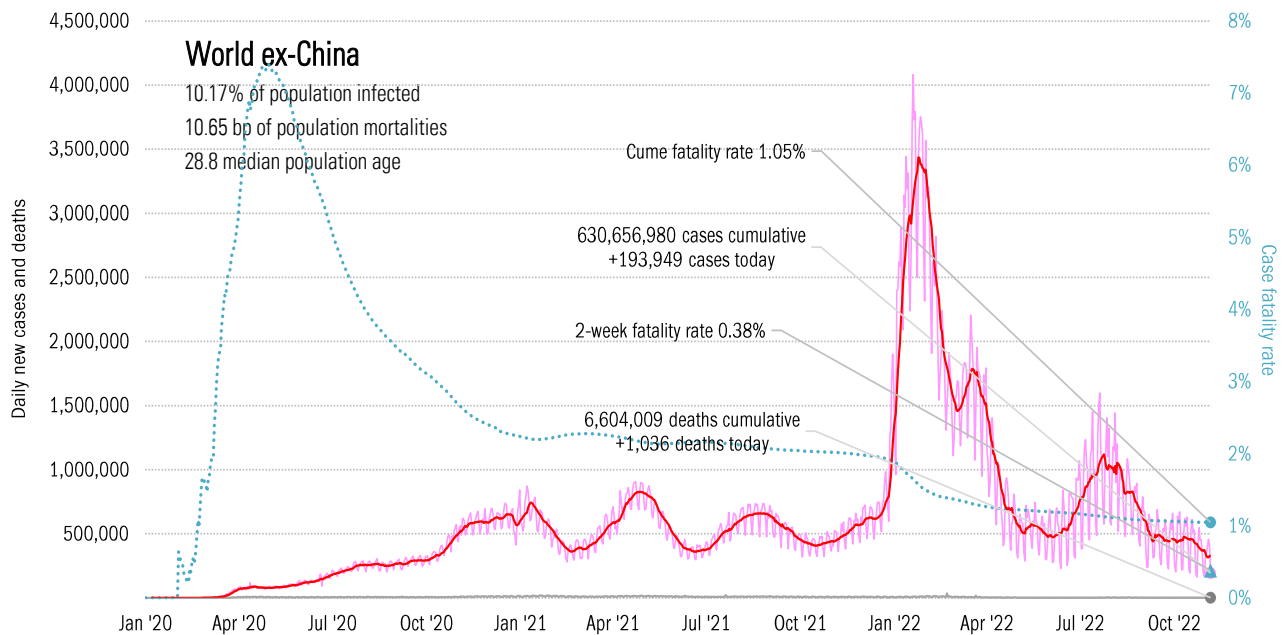
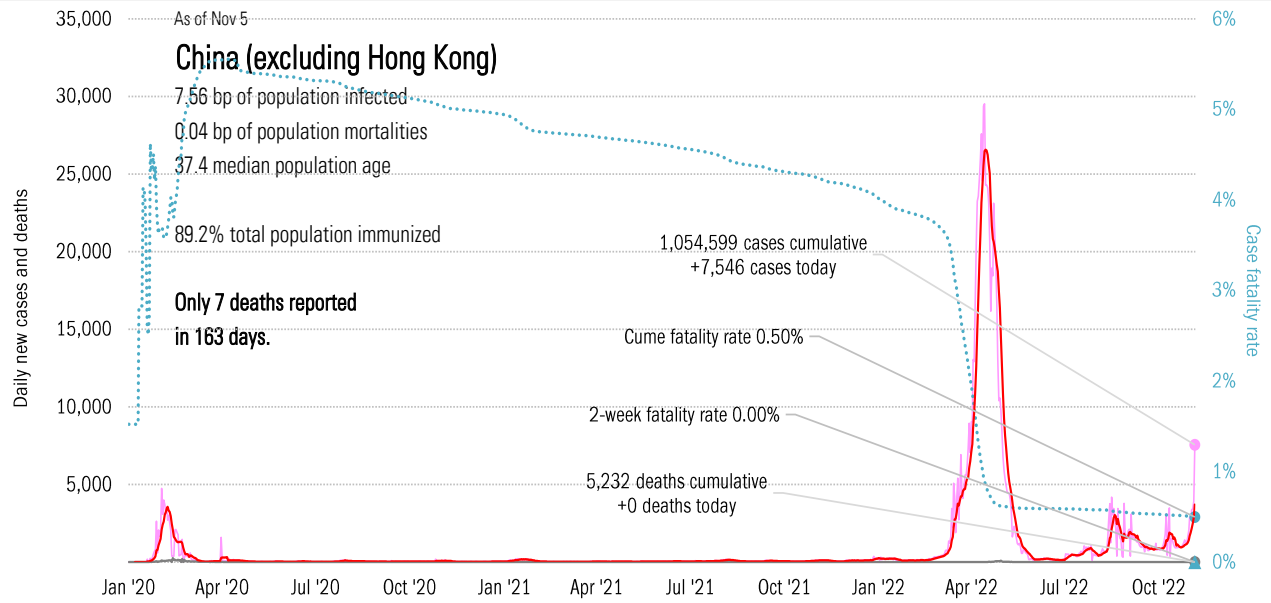
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

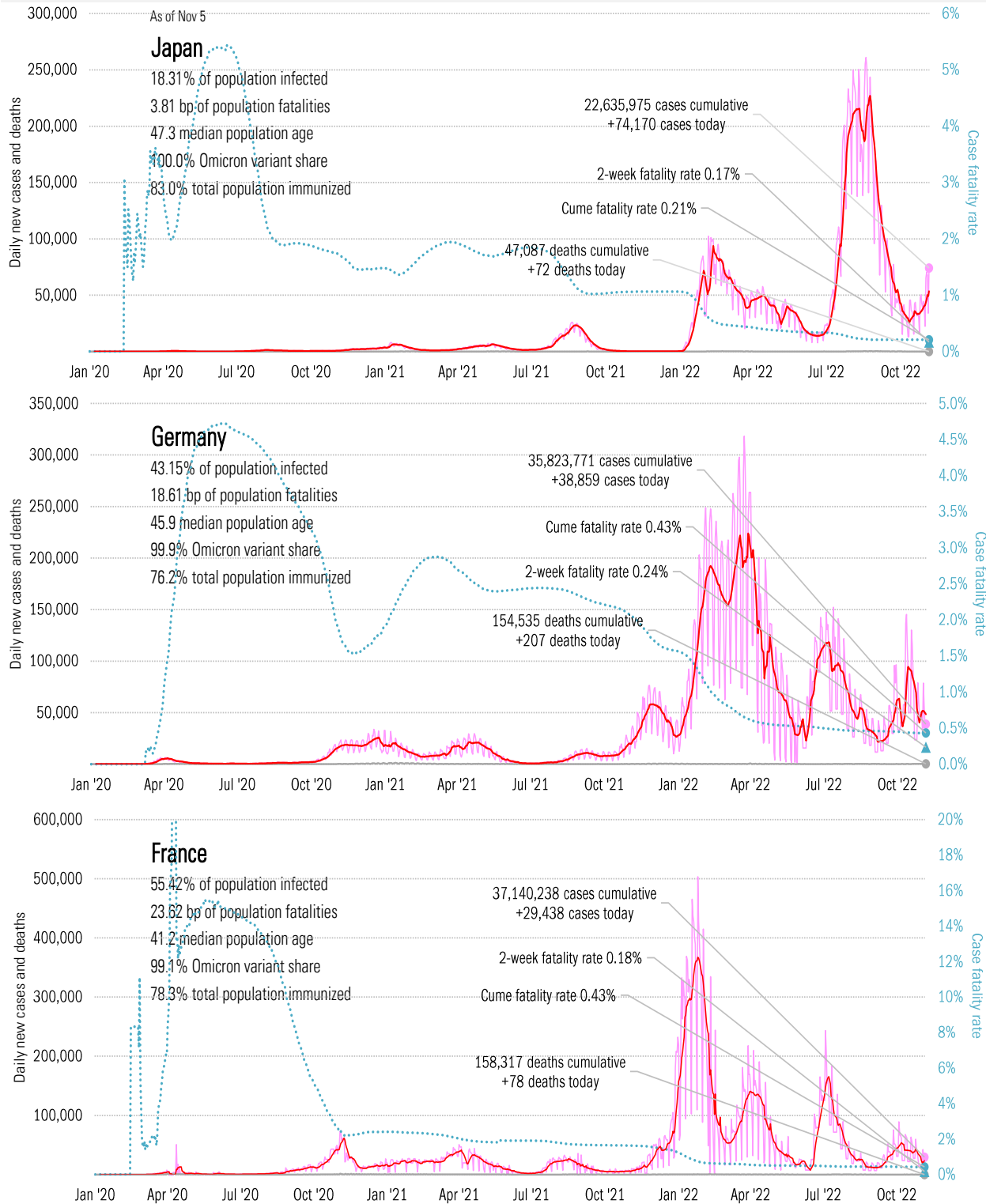
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

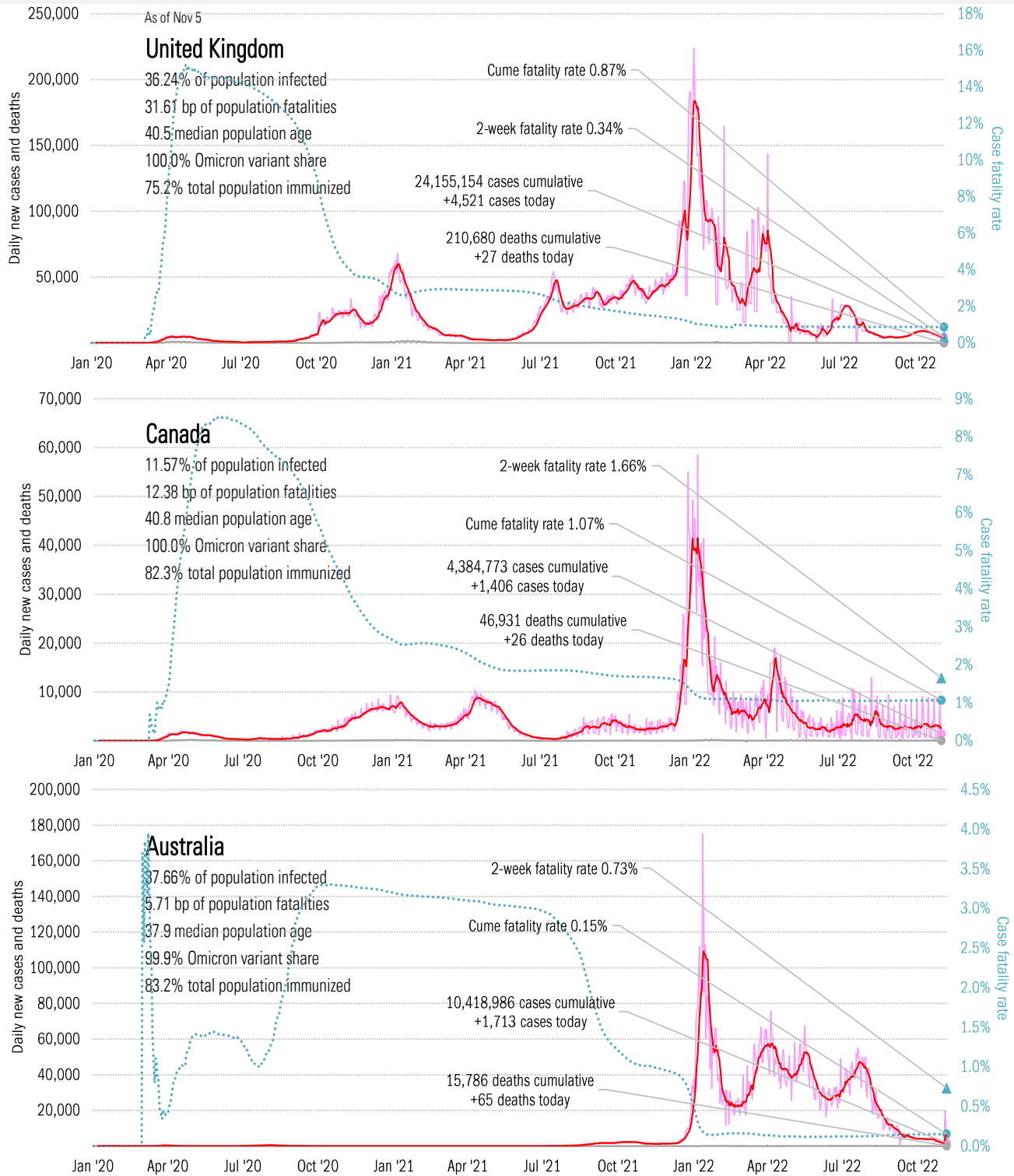
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

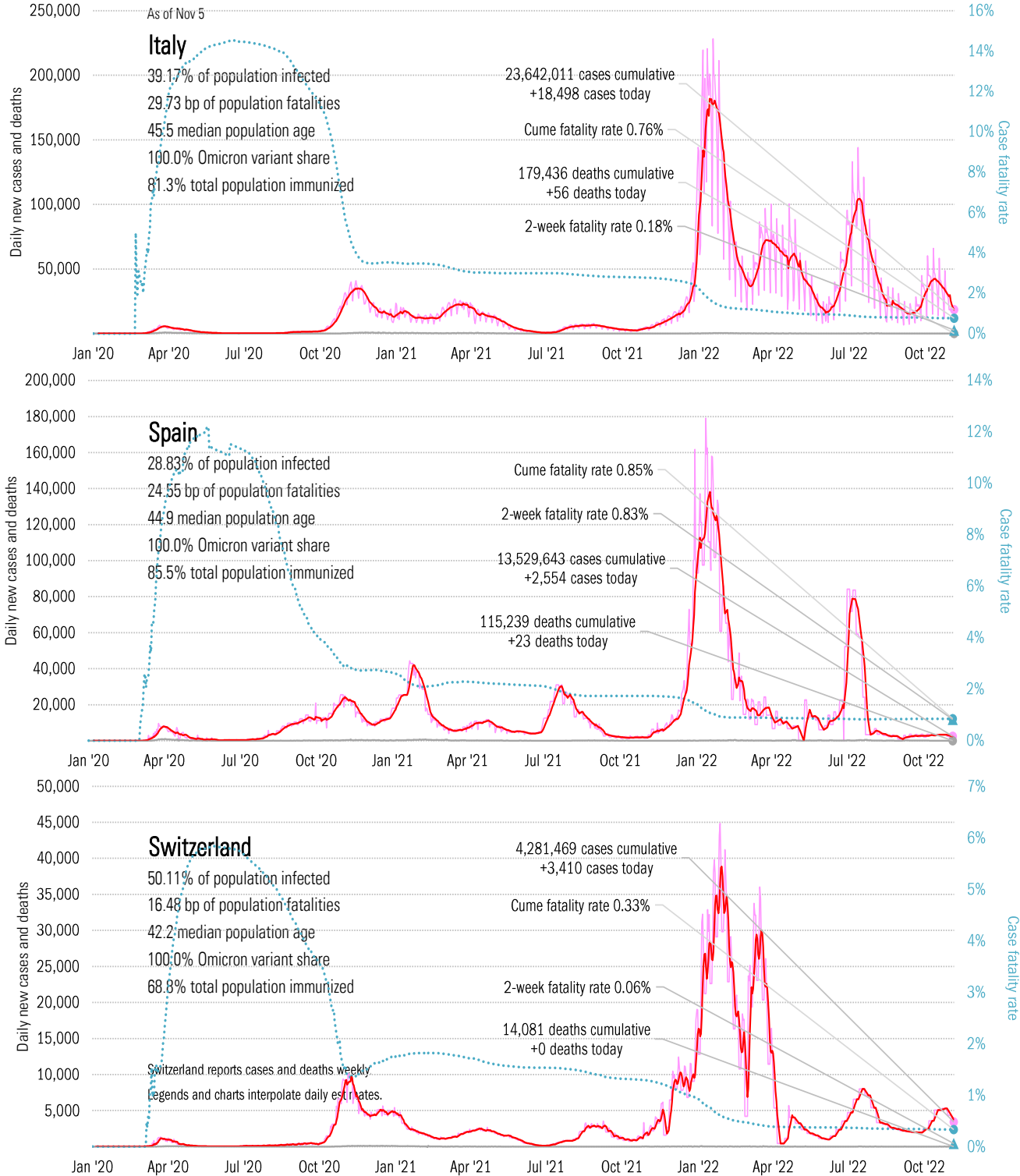
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

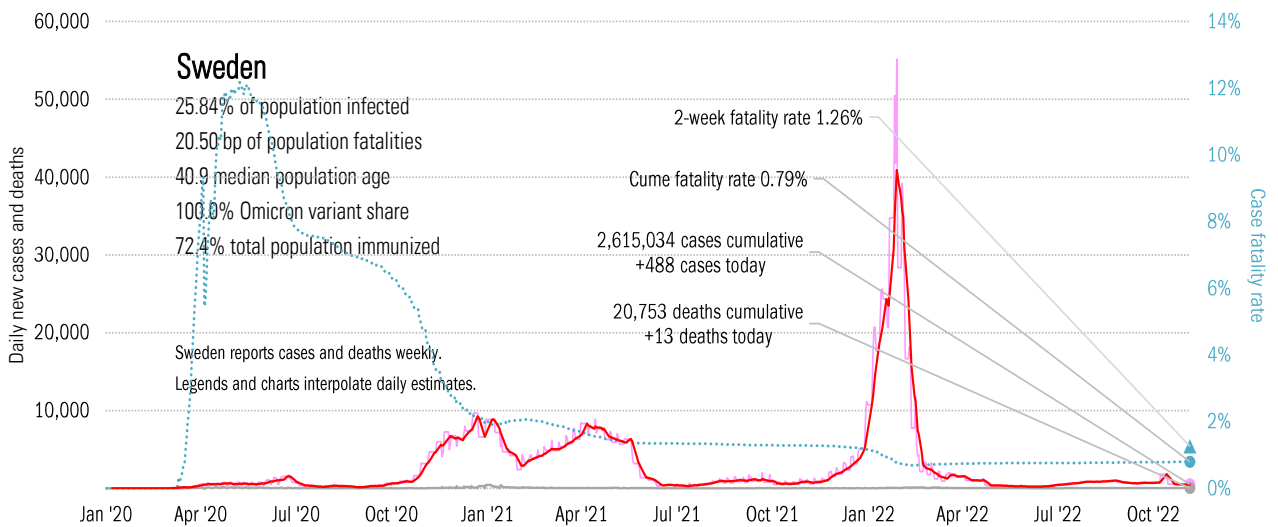
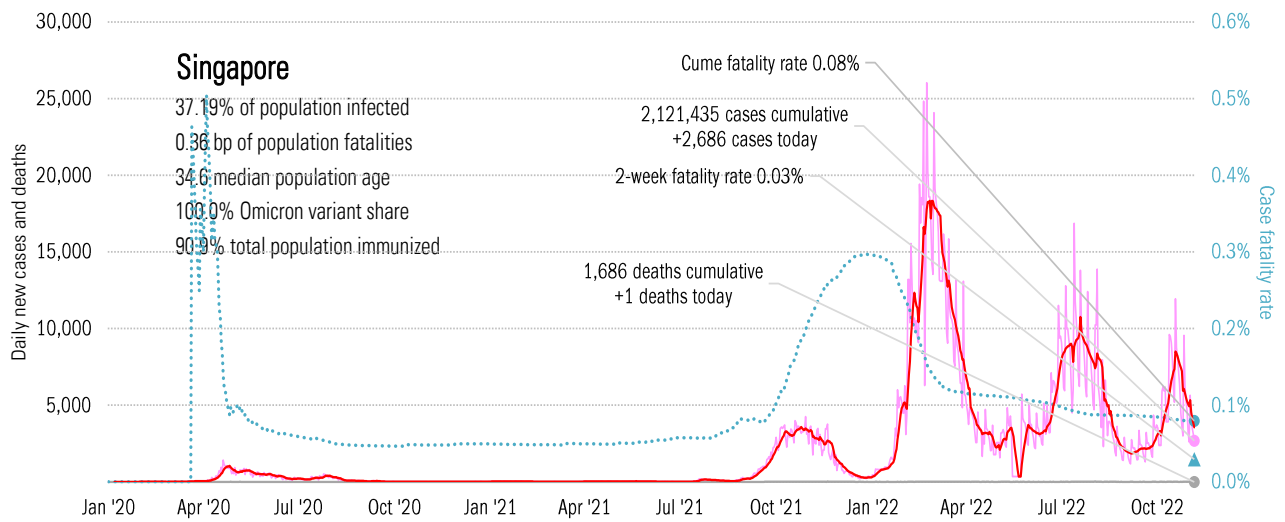
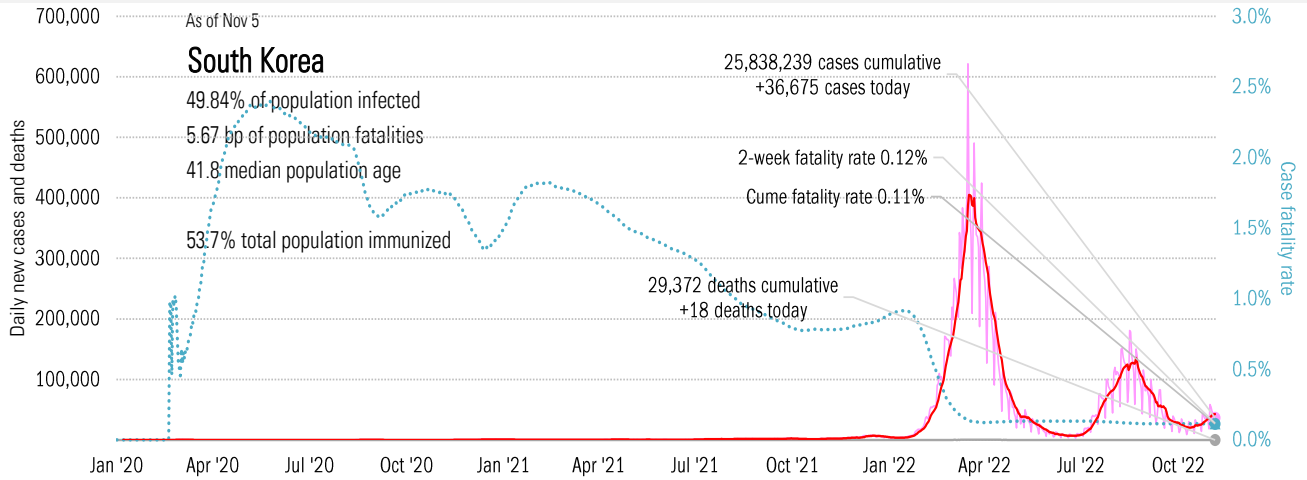
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

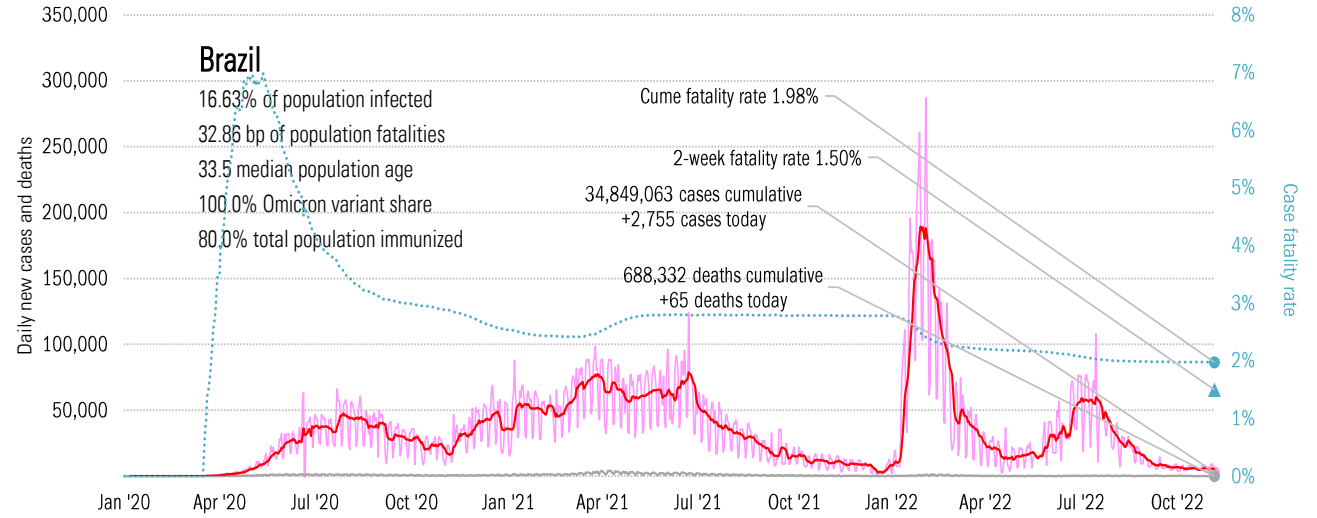
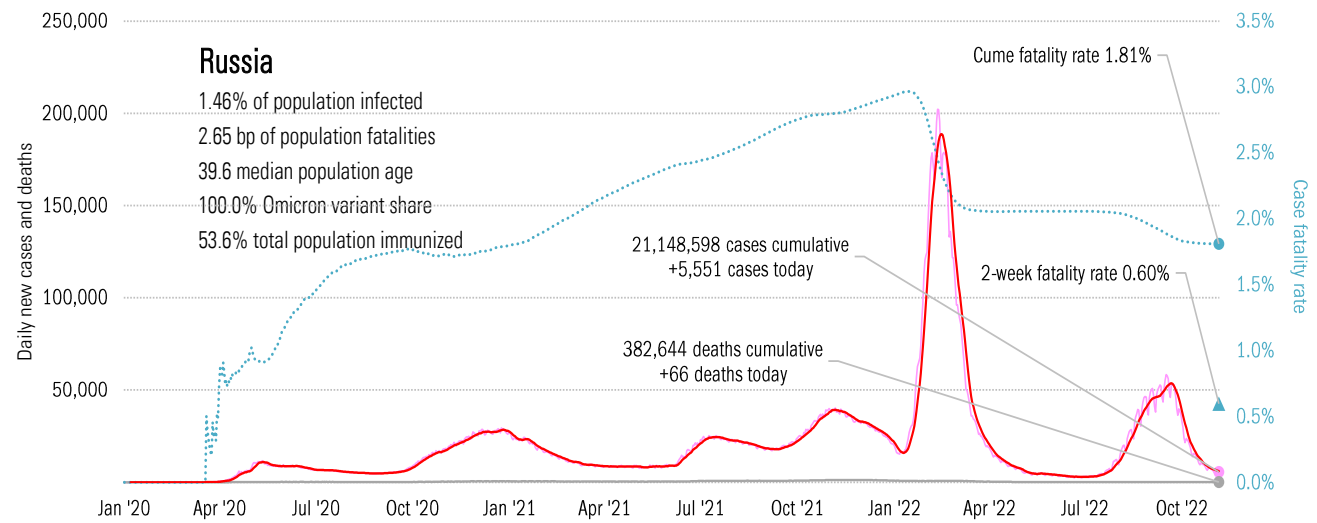
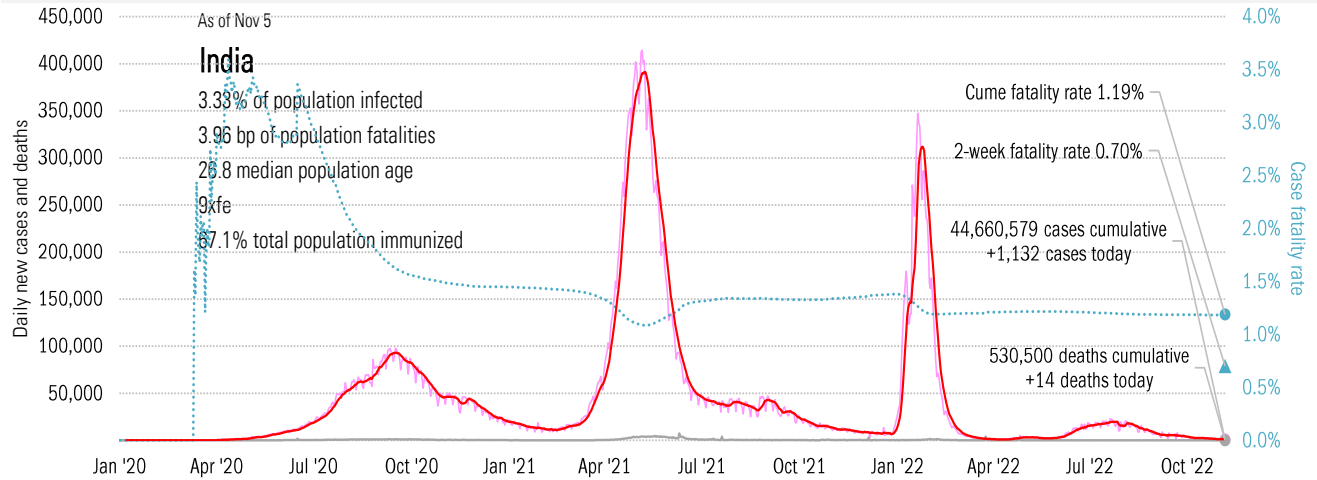
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

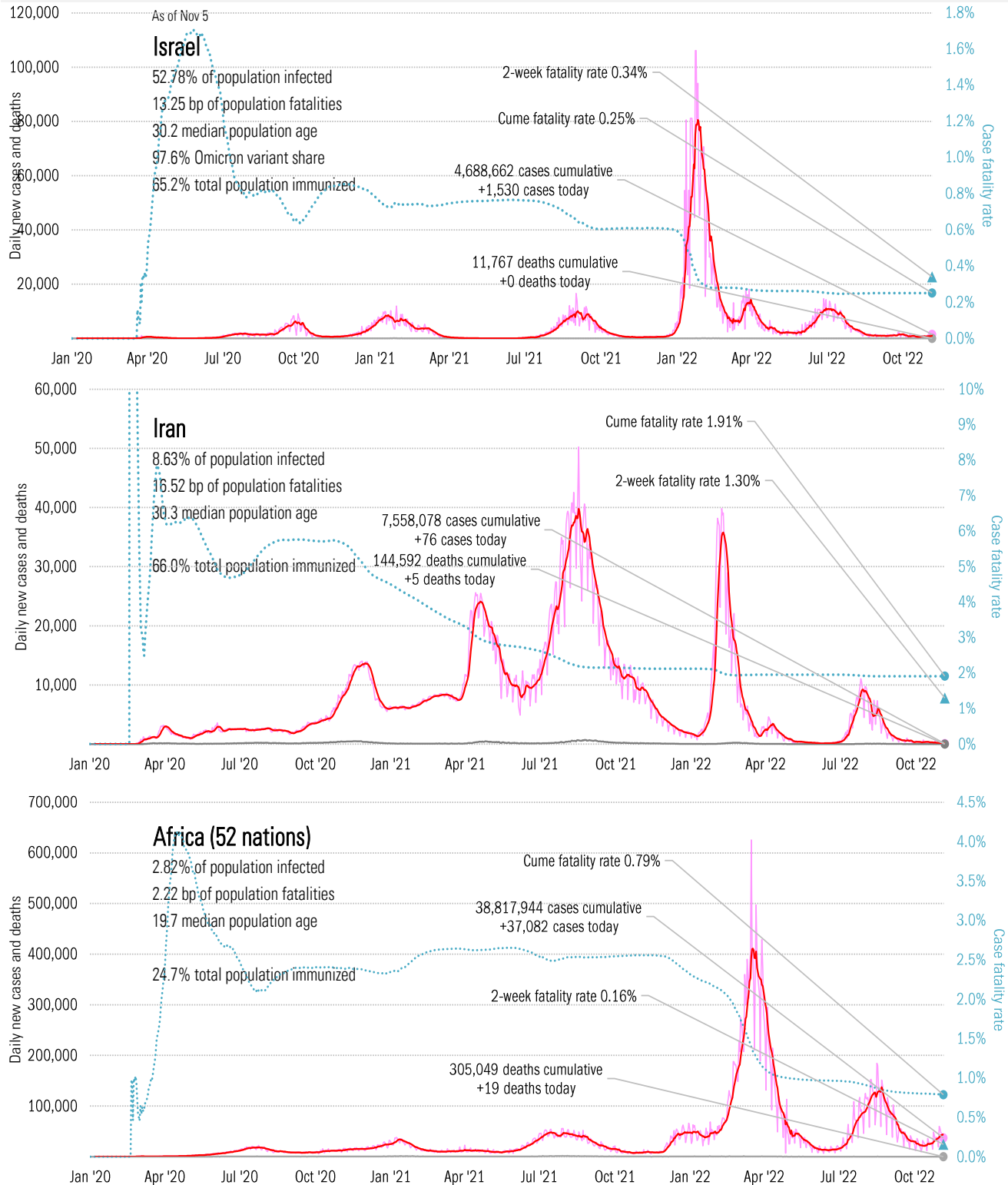
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

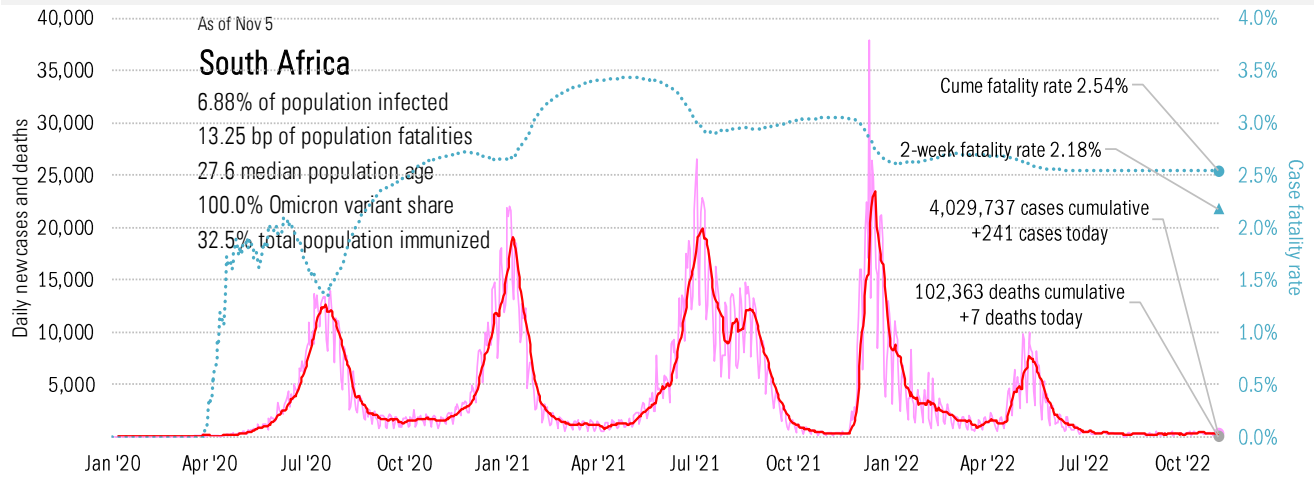
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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