

Data Insights: Covid-2019 Monitor

Friday, December 23, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

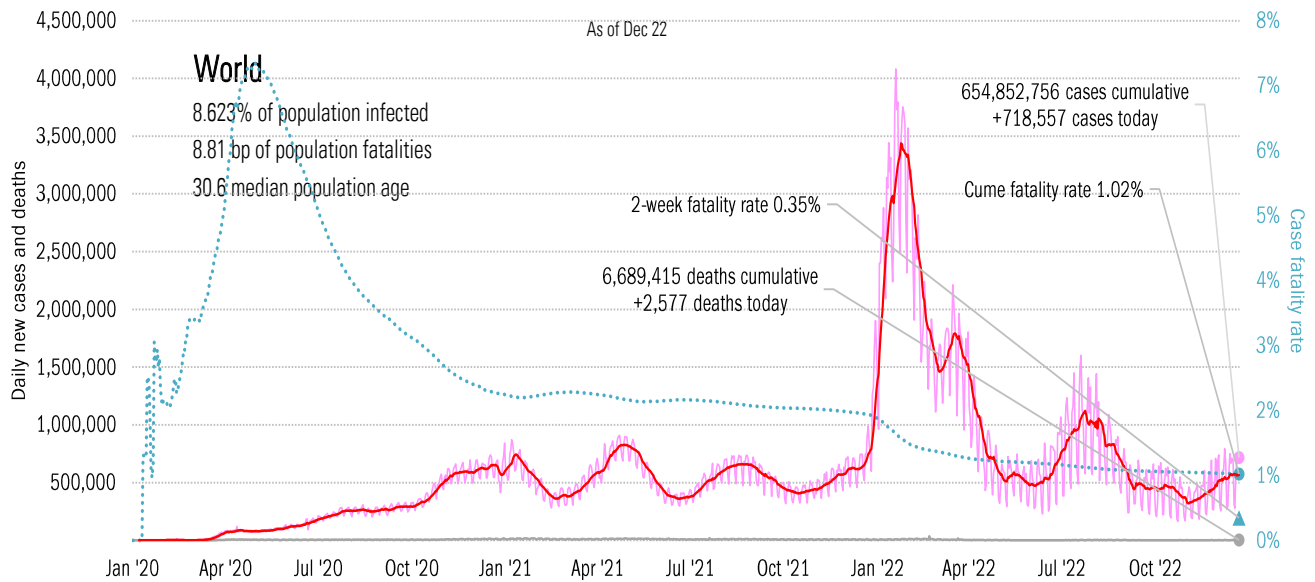
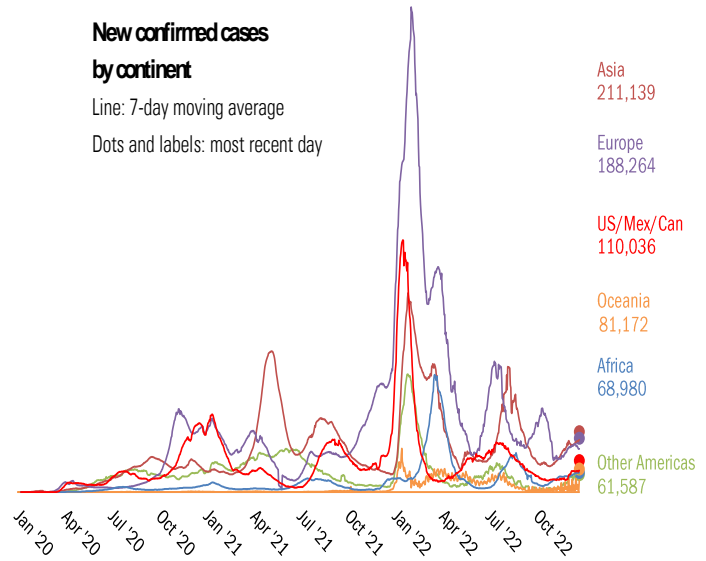
The worst ten countries

New cases		New Deaths	
Japan	184,375	United States	361
Korea, South	68,168	Japan	339
United States	64,717	Brazil	191
France	49,517	Germany	187
Brazil	48,404	Australia	160
Germany	41,431	Finland	150
Italy	24,947	France	120
Taiwan*	19,875	Italy	103
Australia	11,593	Norway	99
Finland	9,759	Canada	75
<hr/>		<hr/>	
	522,786		1,785
World	718,557	World	2,577
Top ten	73%	Top ten	69%

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:

Donald Luskin: 214 550 2121 don@trendmacro.com

Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

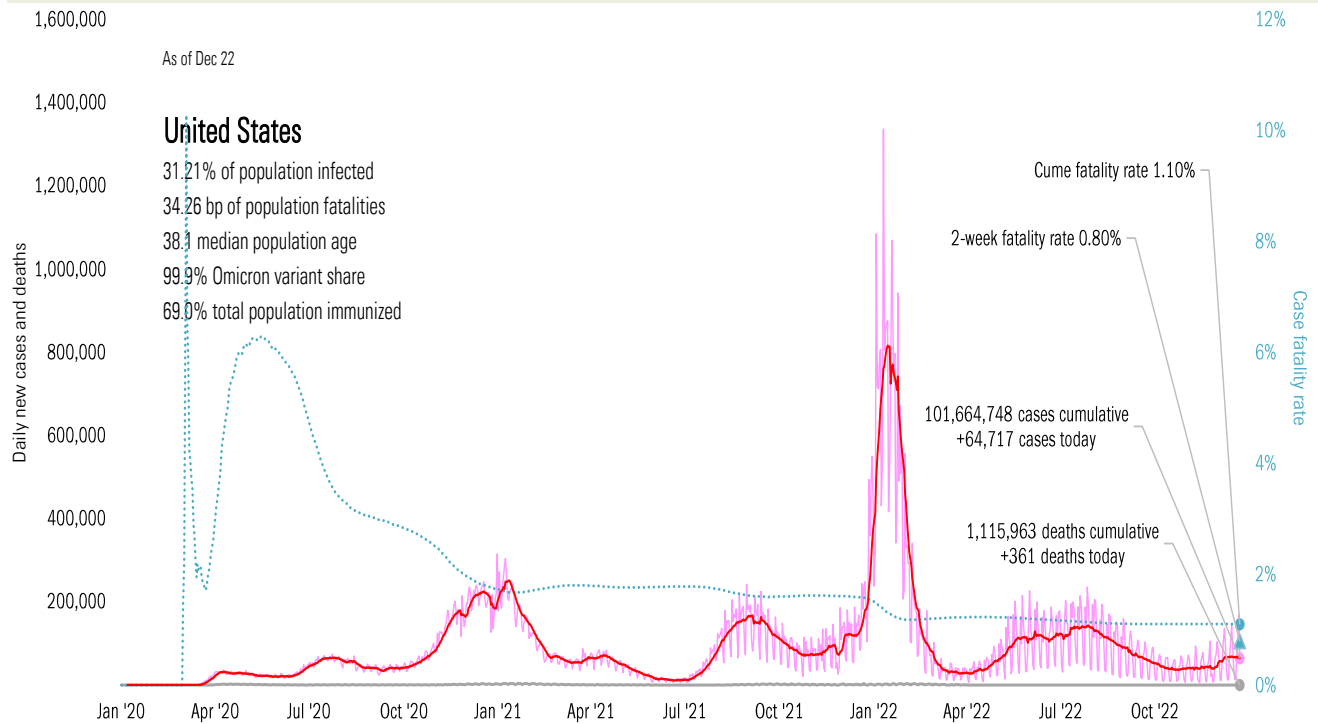
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
NY	8,349		CA	196		WA	143		CA	11,740,796		CA	98,361		TX	564,083		DE	101%	VT	91%
FL	6,079		NY	58		LA	139		TX	8,194,666		TX	91,713		CA	535,491		RI	89%	MA	87%
CA	4,480		FL	32		GA	194		FL	7,312,963		FL	83,606		FL	510,476		MA	87%	TX	87%
NJ	3,892		IL	22		CH	279		NY	6,524,908		NY	74,802		NY	331,298		WA	87%	NH	87%
TX	3,804		MI	21		AL	95		IL	3,950,143		PA	48,798		CH	233,403		NH	86%	DC	87%
LA	3,634		NJ	21		CT	119		PA	3,403,177		GA	41,361		GA	232,921		MD	85%	NM	85%
IL	3,228		PA	19		MA	156		NC	3,316,814		CH	40,840		PA	218,458		MO	85%	AL	85%
VA	2,784		GA	17		TN	111		CH	3,294,521		MI	40,657		IL	201,919		WV	85%	NC	85%
CH	2,556		UT	16		PA	235		MI	2,977,727		IL	40,586		MI	173,745		OR	84%	AK	84%
MI	2,046		MA	16		WV	49		GA	2,974,619		NJ	35,408		NJ	151,334		AK	83%	MO	84%
40,852			418			1,520			53,680,334			596,132			3,153,128						
All states	64,717			361			5,917		All states	101,664,748			1,115,963			5,725,481		All states	70%		67%
Top ten	63%			116%			26%		Top ten	54%			55%			55%		Median	78%		78%

Some states not reporting

Five most improved US states

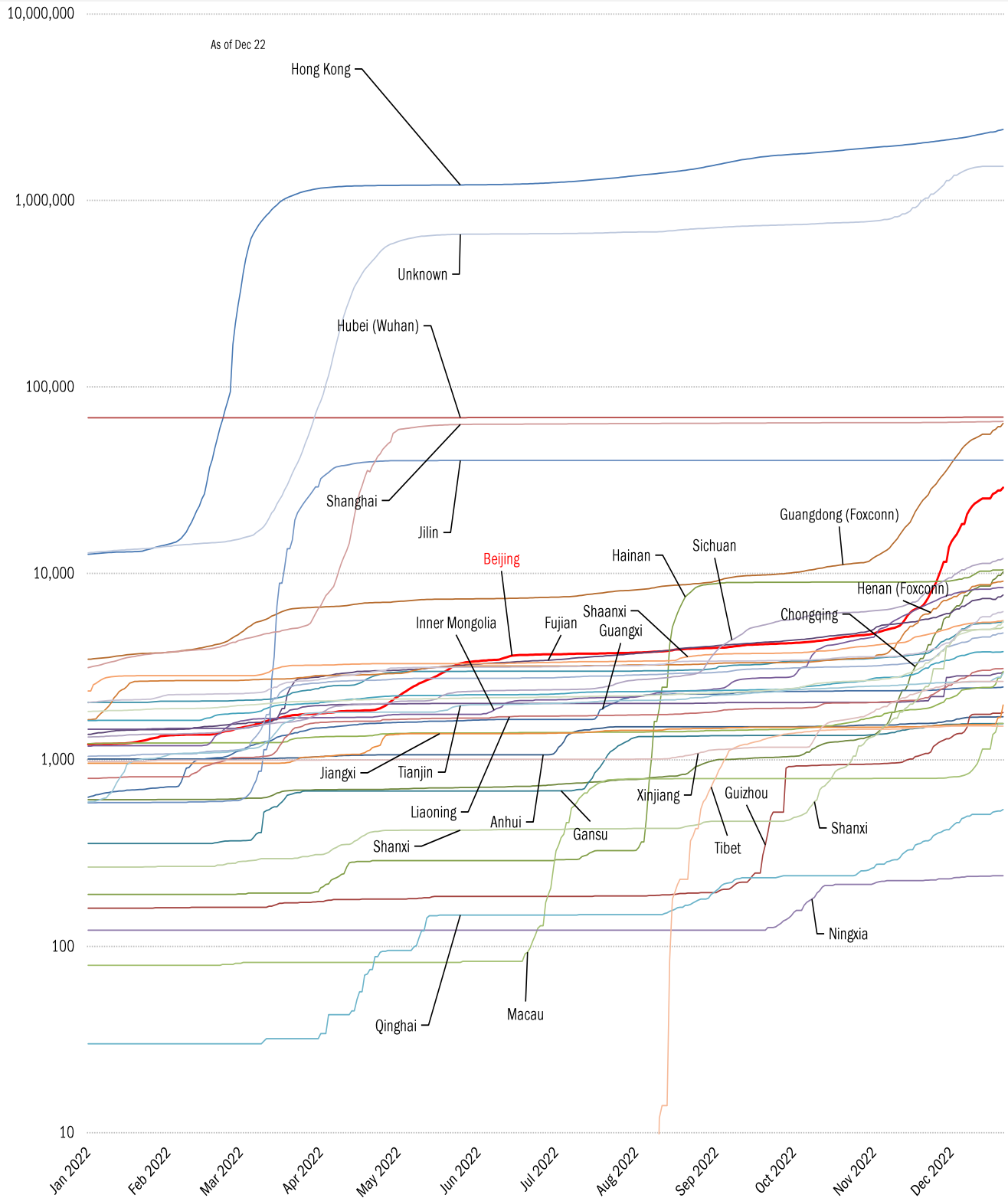
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
TX	-25,847	FL	-26	NY	-180
NC	-2,382	TX	-13	IL	-102
IL	-1,973	CO	-8	TX	-89
TN	-1,924	VA	-5	CA	-86
SC	-1,223	IA	-4	VA	-79



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"

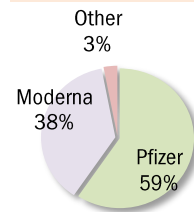


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial		
Doses	678,686,171		+0.129 million	US	69.0%	80.8%		
			Of which boosters: +0.112 million	UK	75.2%	79.7%		
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%	80.6%
Total population	276,532,813	83%	235,793,758	71%	+0.012 million	Spain	85.5%	86.9%
Age 12 to 17	18,402,383	73%	15,755,703	62%	+0.001 million	Germany	76.2%	77.8%
Age 18 to 64	183,917,291	90%	156,388,919	77%	+0.007 million	Italy	81.3%	86.2%
Age 65 and over	60,924,924	100%	53,362,544	97%	+0.003 million	Australia	82.7%	84.9%
						Israel	65.2%	71.1%
						Canada	82.5%	90.0%
						Japan	83.2%	84.3%
						Africa	26.2%	32.2%
						India	67.1%	72.5%
						Brazil	81.2%	87.6%
						China	89.4%	91.7%



AK	72.7%
	64.9%

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

Best
Middle
Worst

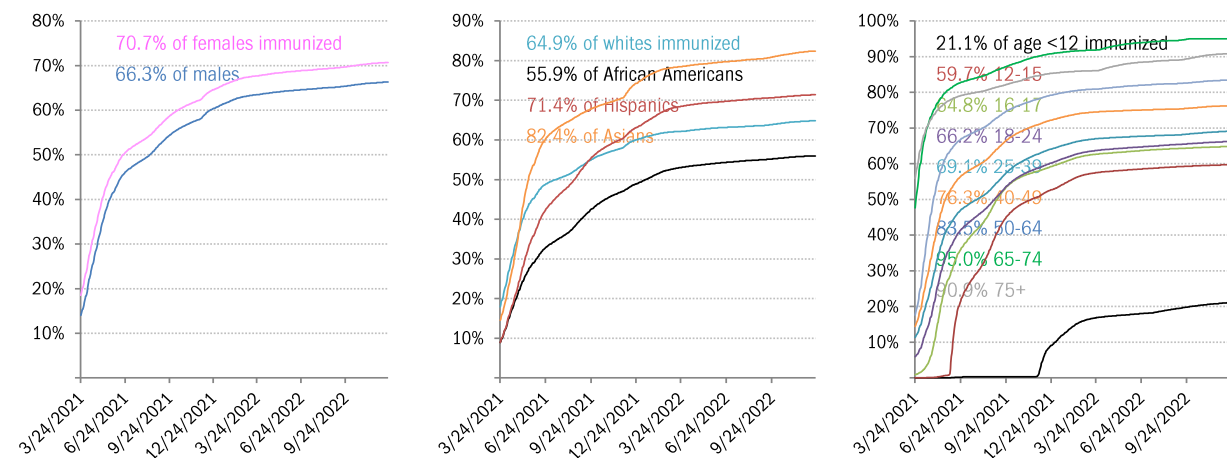
*Immunity = two doses

As of Dec 23

Global data differs due to sources, timing

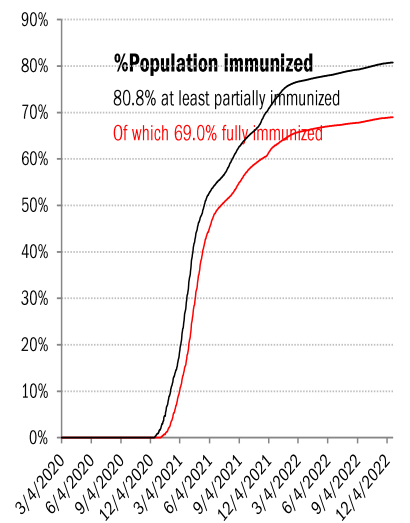
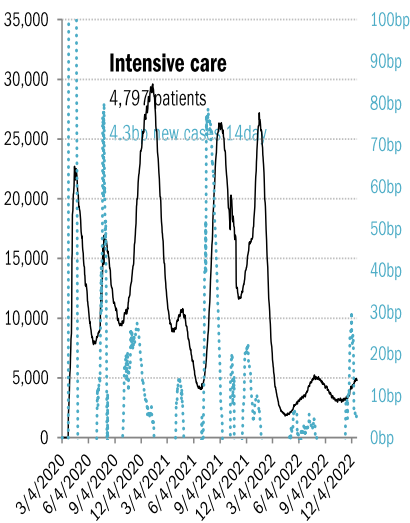
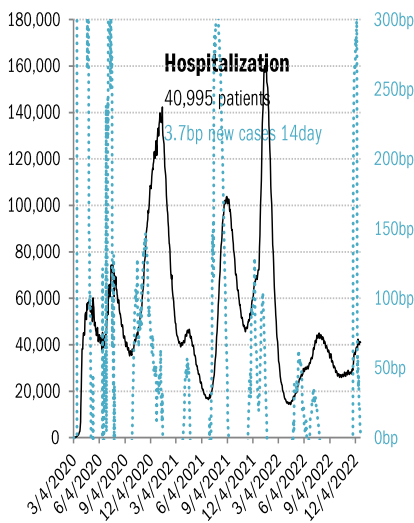
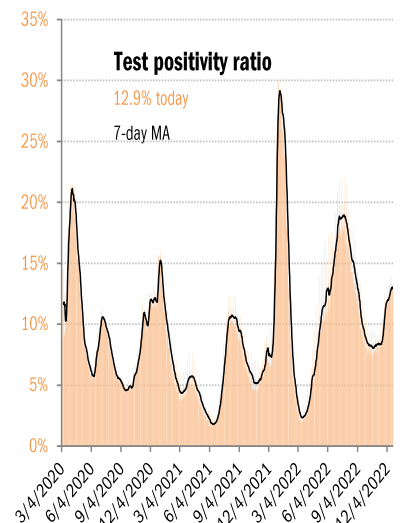
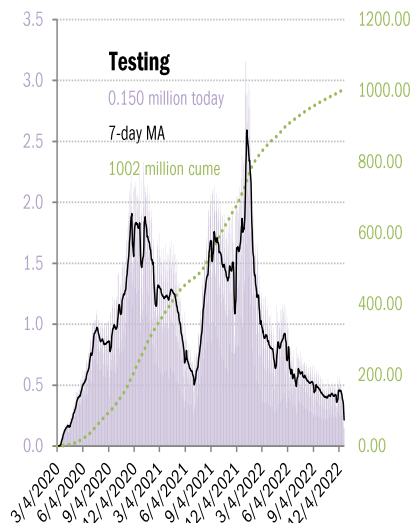
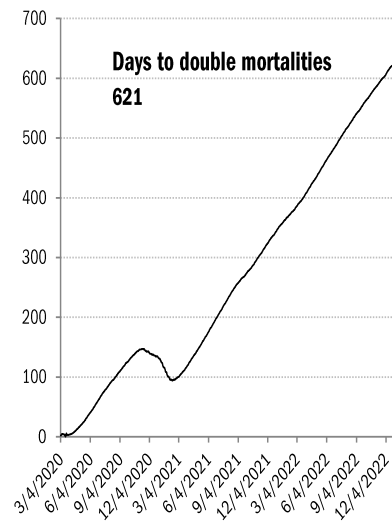
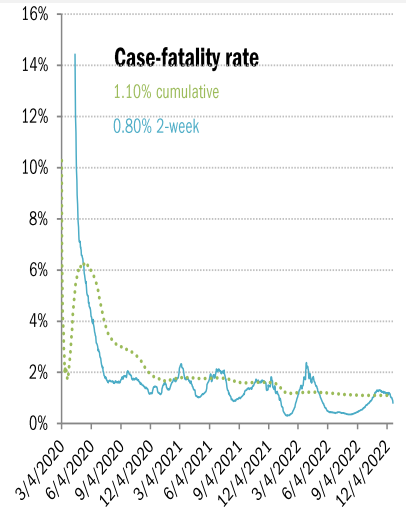
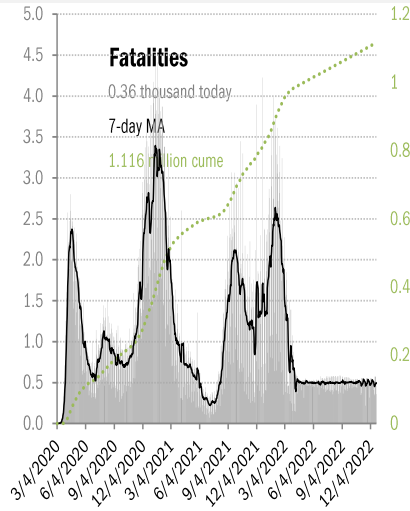
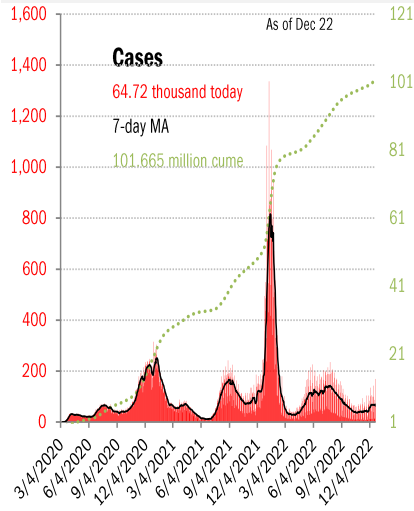
					WI						ME
					74.8%						95.0%
					67.9%						83.0%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
84.8%	63.7%	68.0%	69.0%	78.4%	78.9%	69.2%			94.0%	95.0%	87.5%
75.7%	56.3%	58.9%	58.4%	71.8%	71.0%	62.1%			80.4%	85.2%	71.5%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA		
81.2%	77.2%	60.7%	83.3%	70.4%	64.1%	65.5%	90.1%	94.2%	95.0%		
72.1%	63.5%	52.9%	65.9%	64.1%	57.6%	60.2%	72.9%	78.8%	83.7%		
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI	
84.2%	74.9%	83.3%	73.1%	69.1%	68.6%	67.3%	90.5%	91.2%	95.0%	95.0%	
74.3%	66.4%	73.2%	66.0%	58.8%	59.4%	59.5%	76.3%	79.3%	82.7%	87.3%	
	AZ	NM	KS	AR	TN	NC	SC	DC	DE		
	77.0%	93.7%	75.8%	69.6%	64.2%	91.5%	70.7%	95.0%	87.7%		
	65.8%	74.8%	65.0%	56.7%	56.1%	66.7%	59.7%	85.2%	72.9%		
			OK	LA	MS	AL	GA				
			74.3%	62.6%	61.5%	64.8%	68.0%				
			60.2%	54.9%	53.5%	53.0%	57.0%				
			TX								
			76.0%								
			63.0%								
										FL	PR
										82.1%	95.0%
										69.2%	86.7%

The demographics of US vaccination



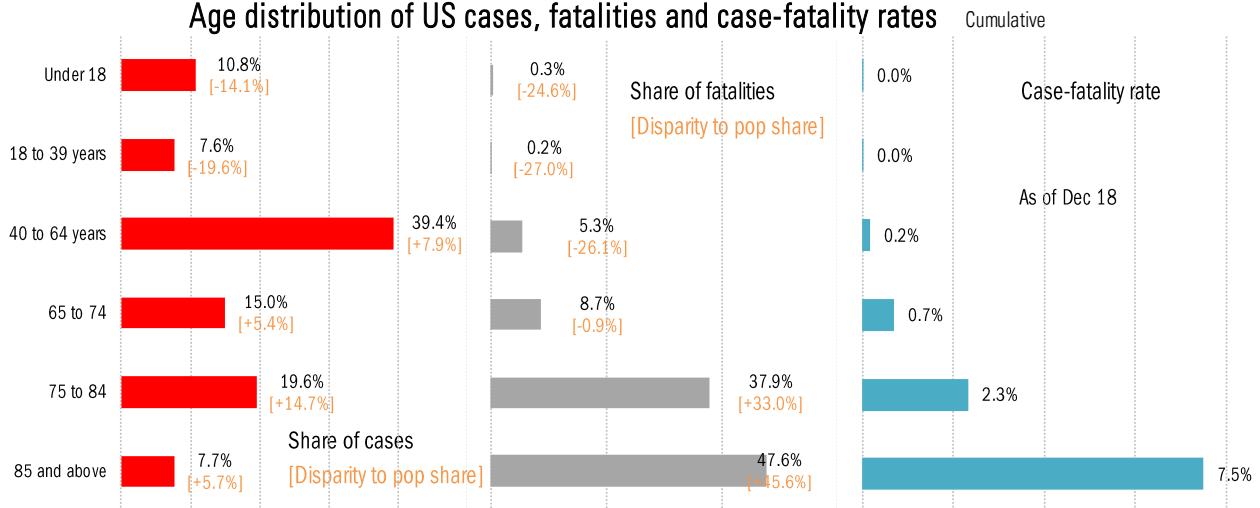
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

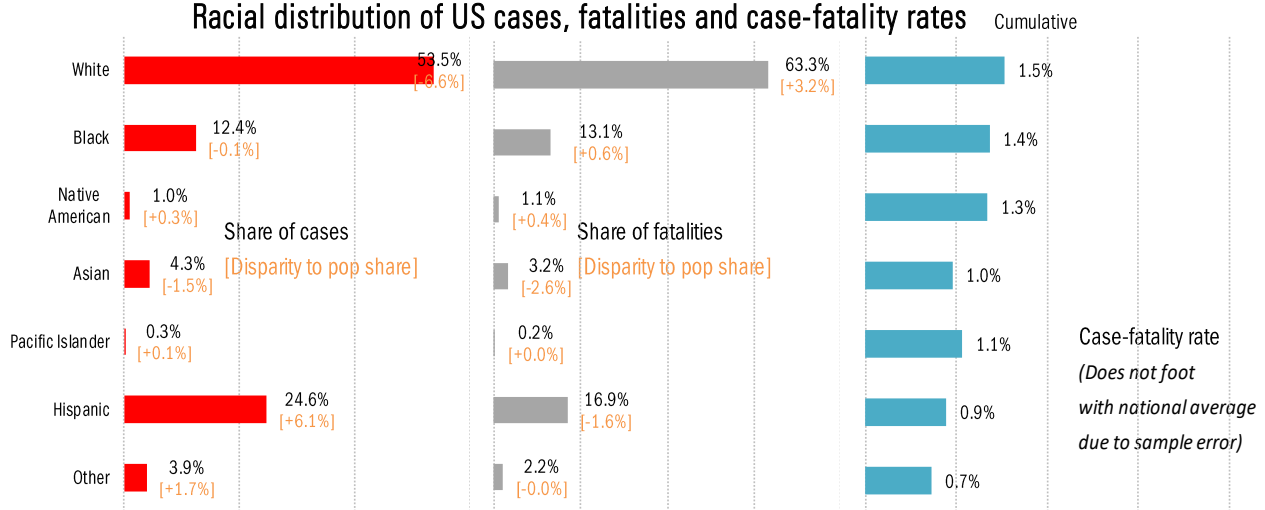


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

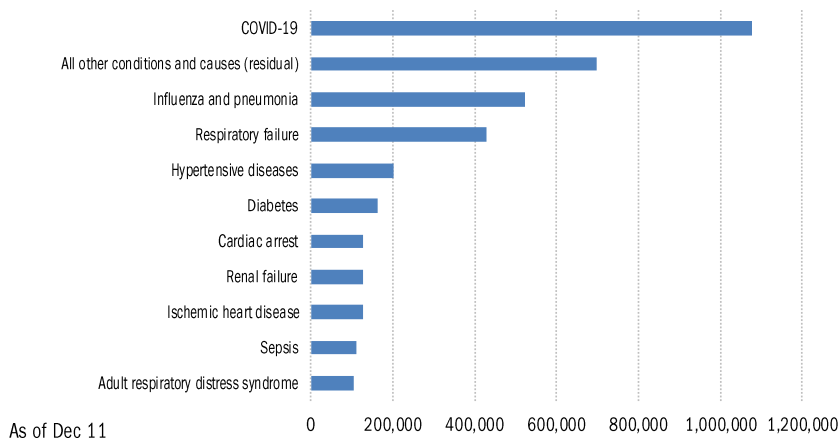


Racial distribution of US cases, fatalities and case-fatality rates



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

[China's Let-It-Rip Covid Reopening](#)

Ezekiel J. Emanuel
Wall Street Journal
December 22, 2022

[China lacked a 'zero COVID' exit plan. Its people are paying the price.](#)

Farah Master and David Stanway
Reuters
December 22, 2022

[Young Musicians Band Together to Bring New Blood to the Beijing Scene](#)

Kyle Mullin
The Diplomat
December 19, 2022

[Christmas is still scarred by Covid](#)

Mary Harrington
UnHerd
December 22, 2022

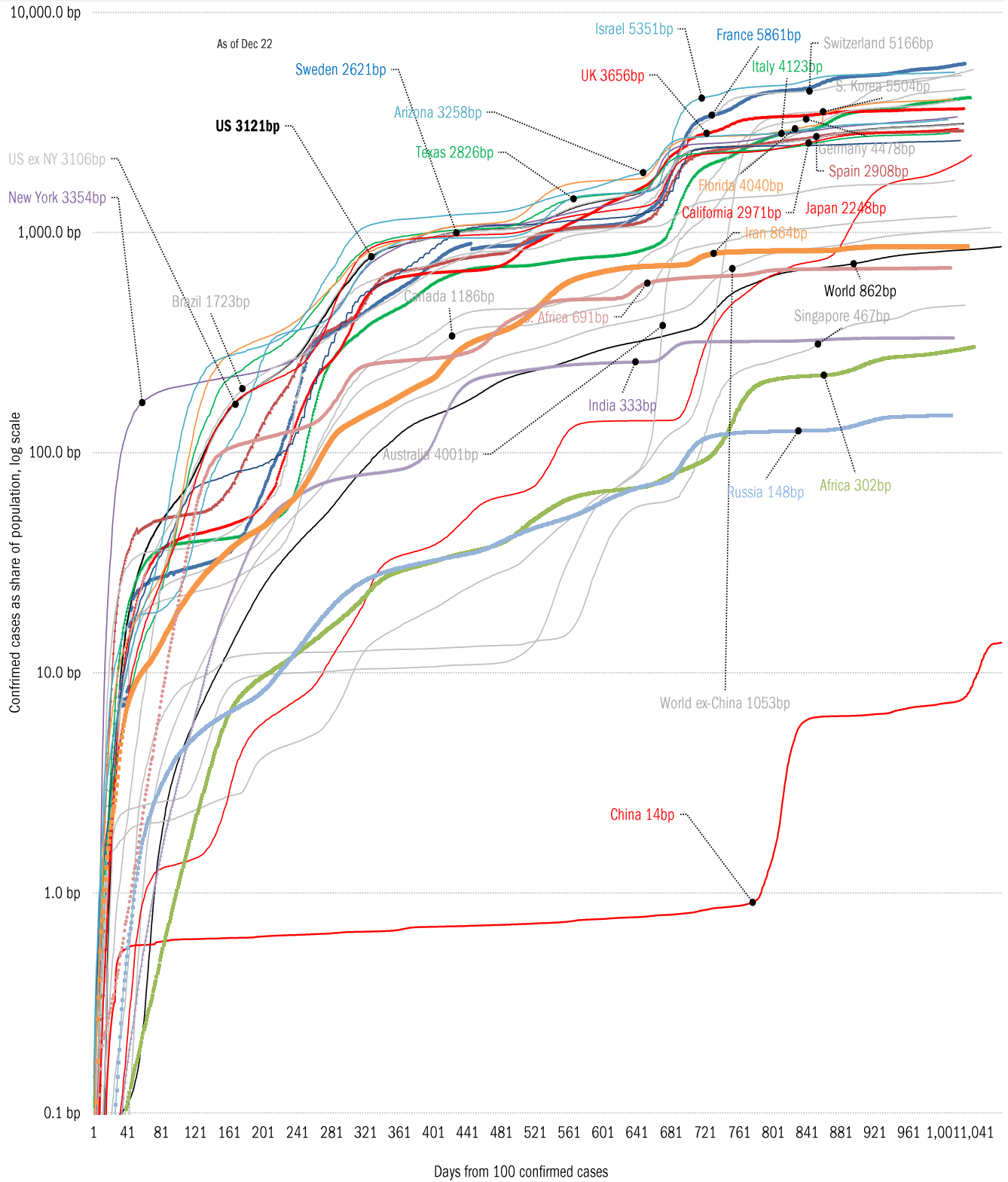
Meme of the Day



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

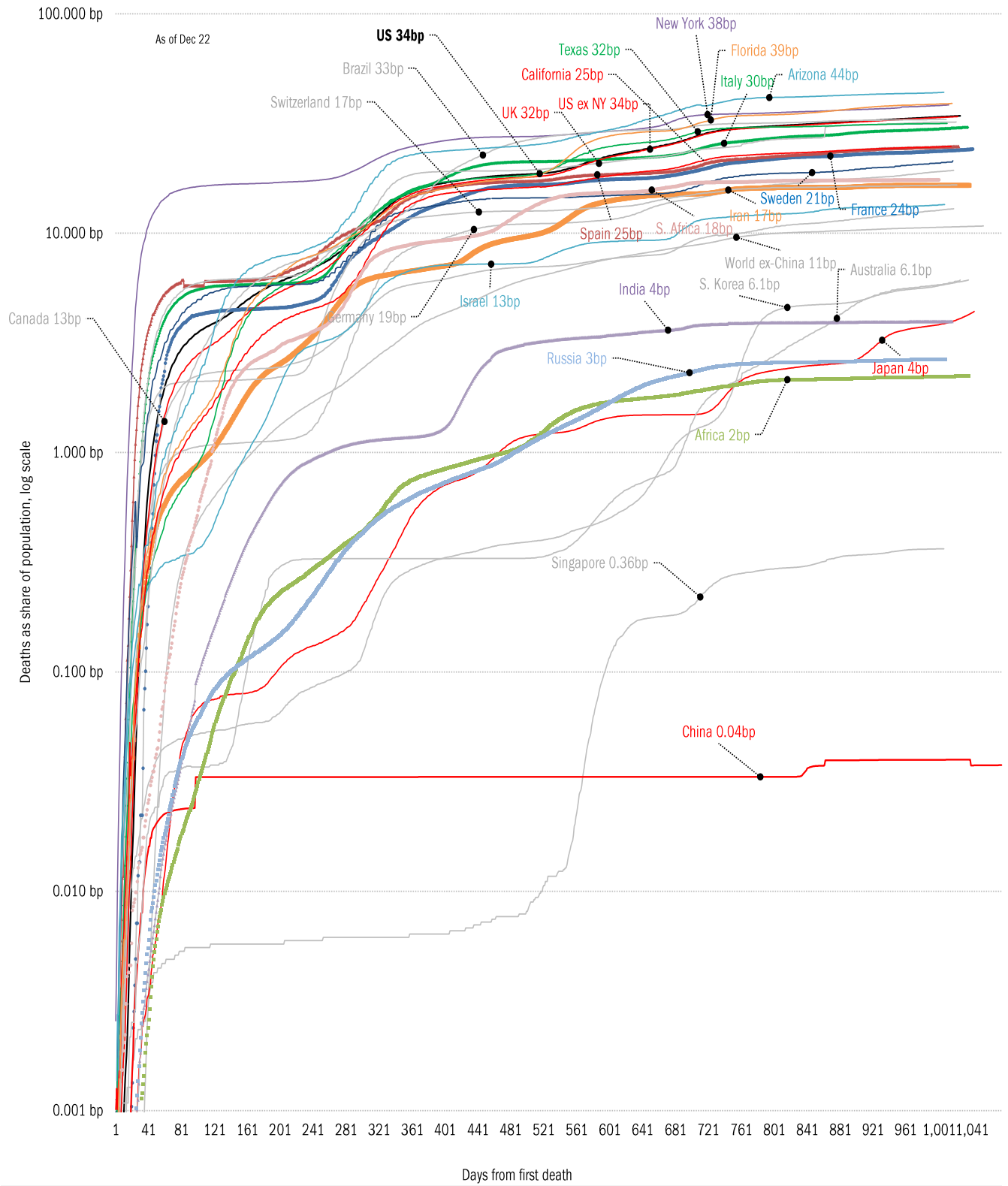
The global coronavirus case accelerometer... tracking the world's infection curves

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

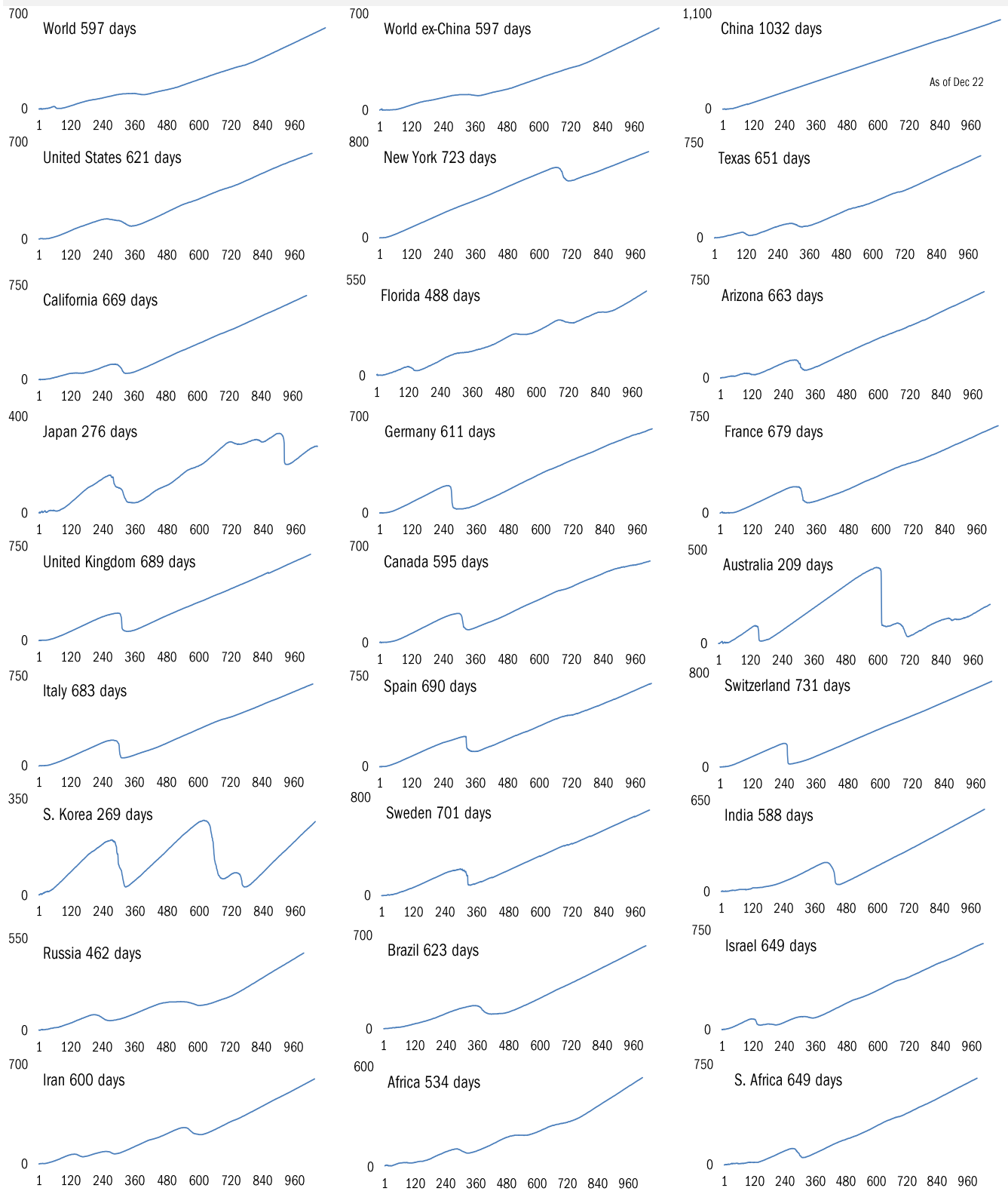


Source: [Johns Hopkins](#), TrendMacro calculations

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

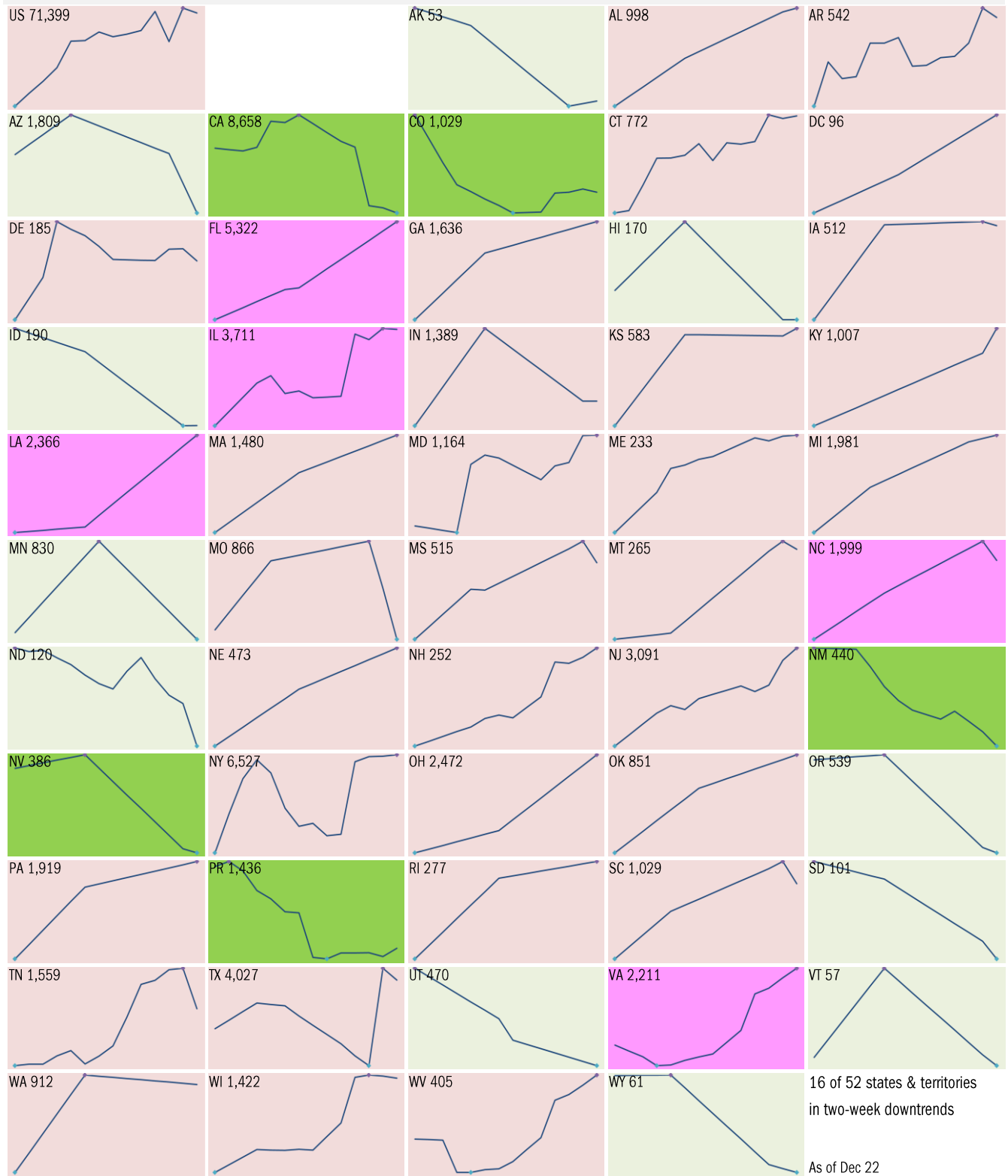


Source: [Johns Hopkins](#), TrendMacro calculations

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

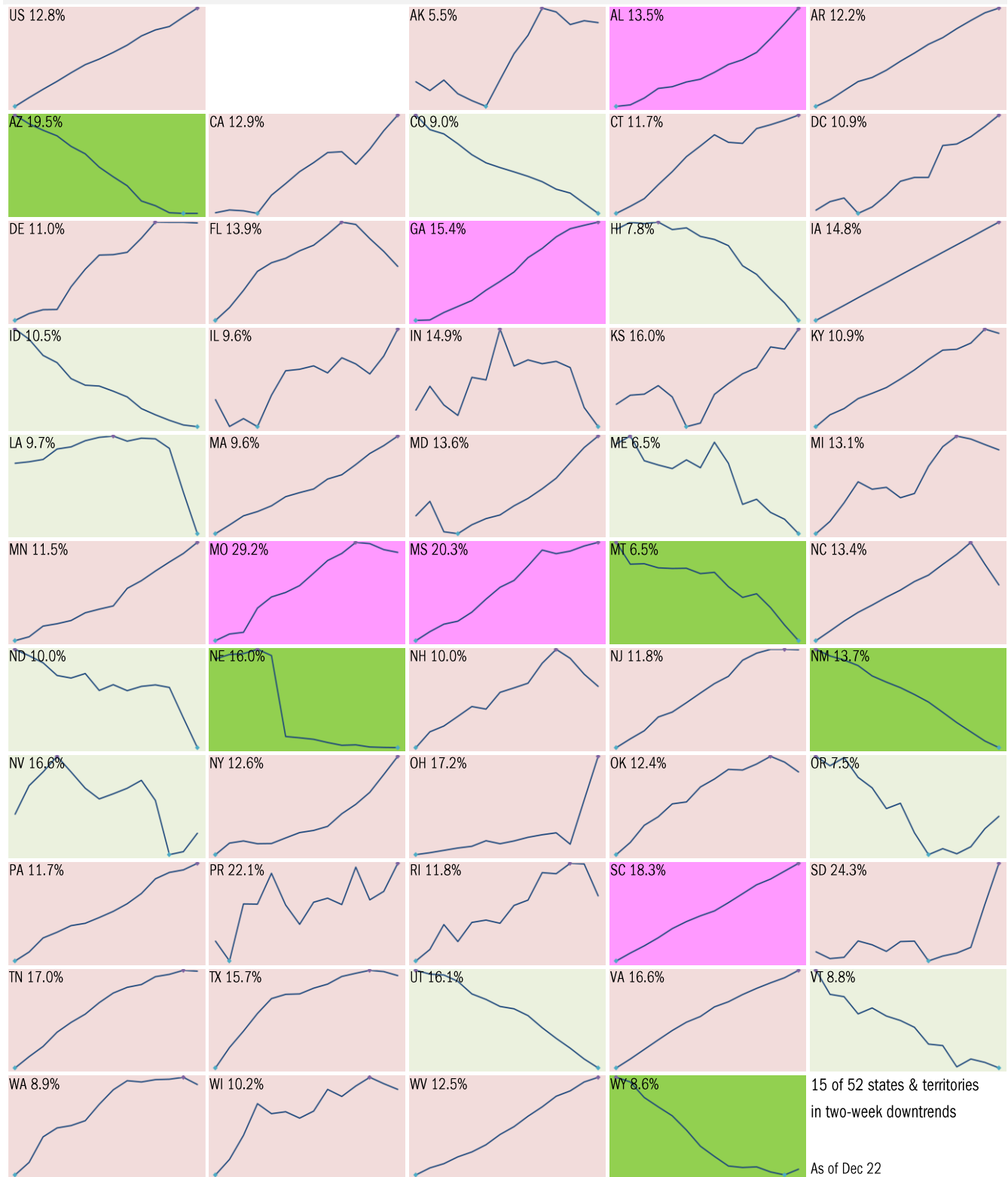


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

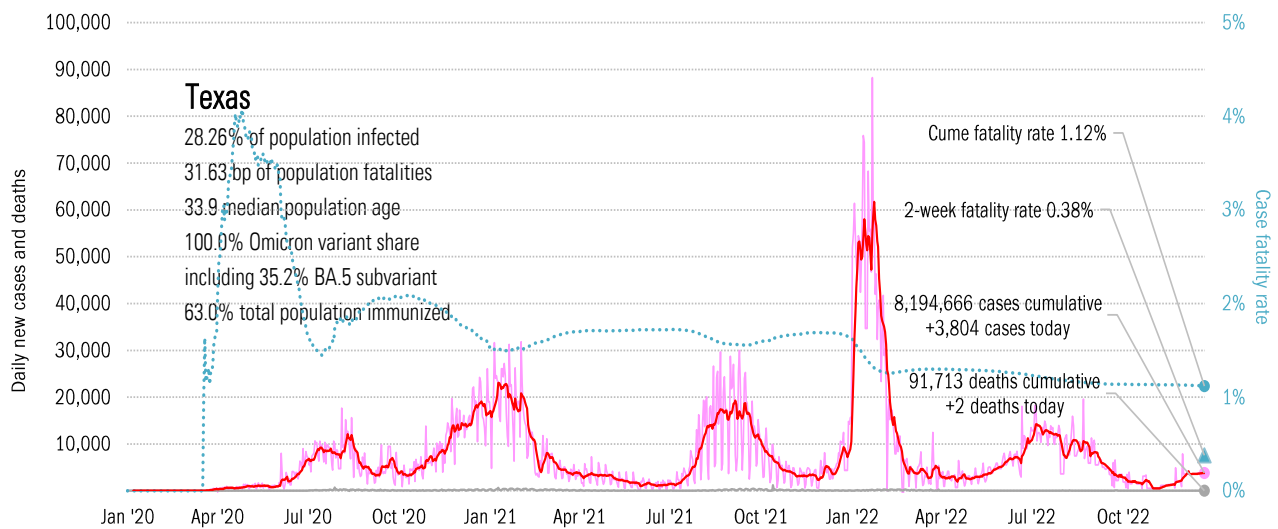
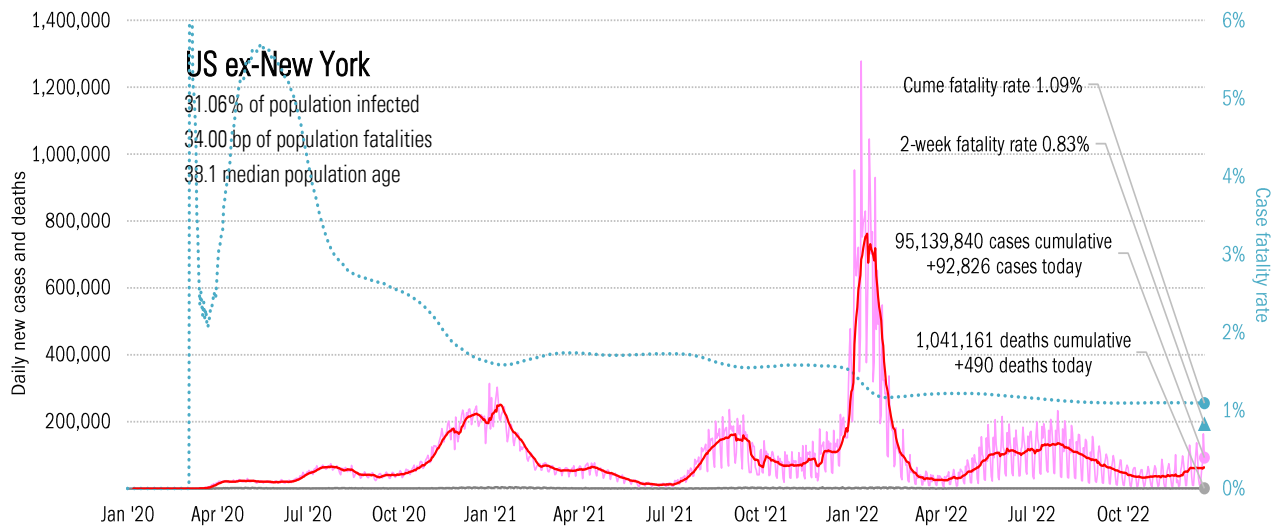
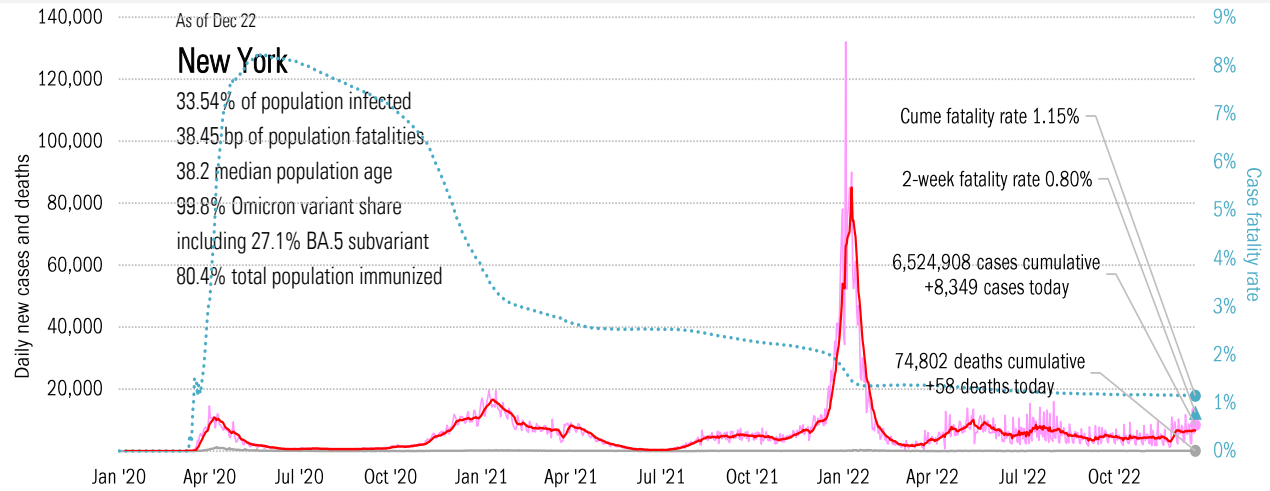
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

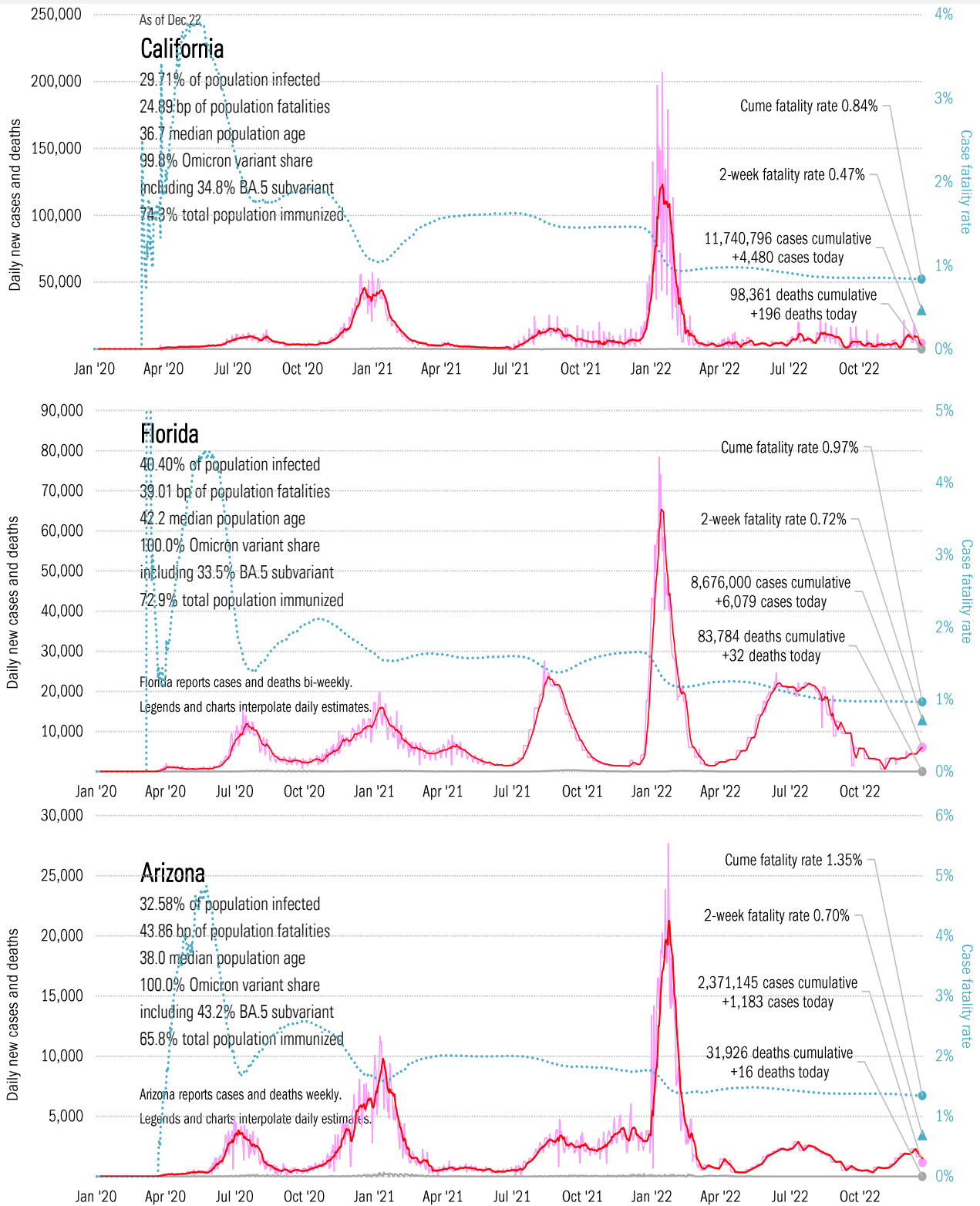
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

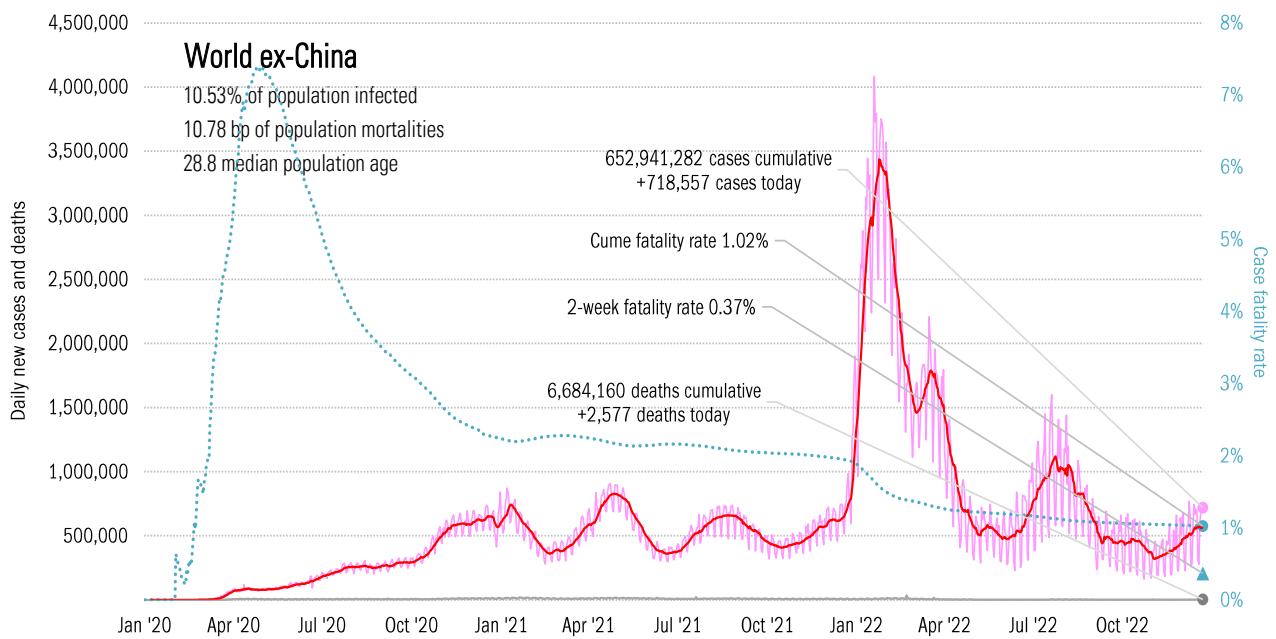
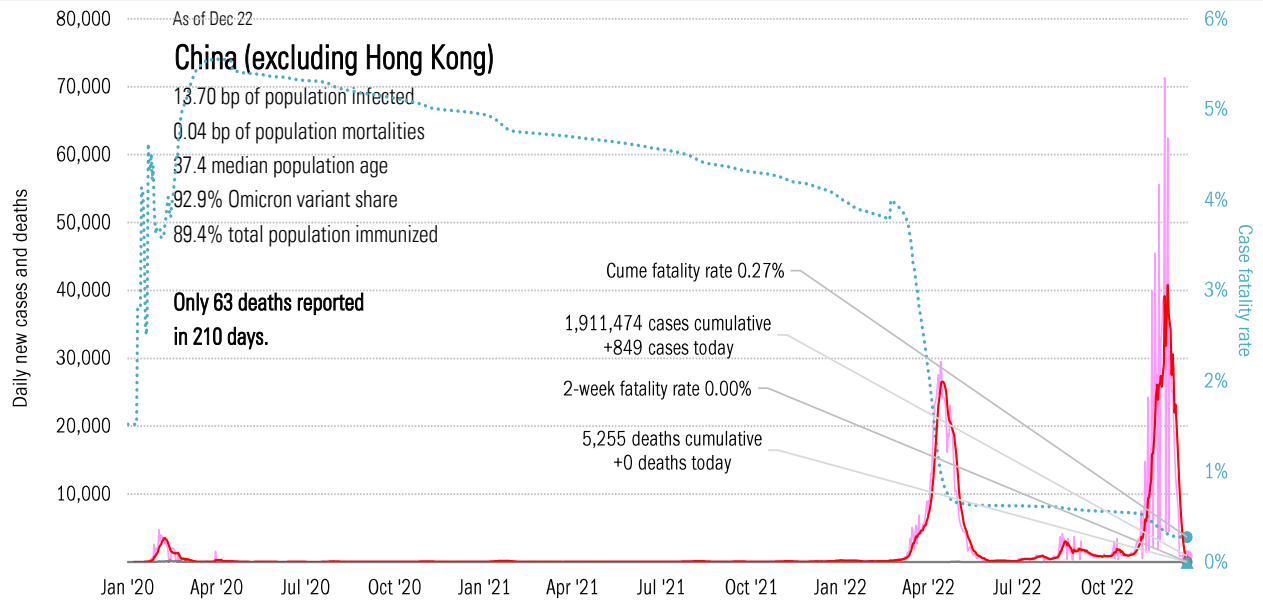
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

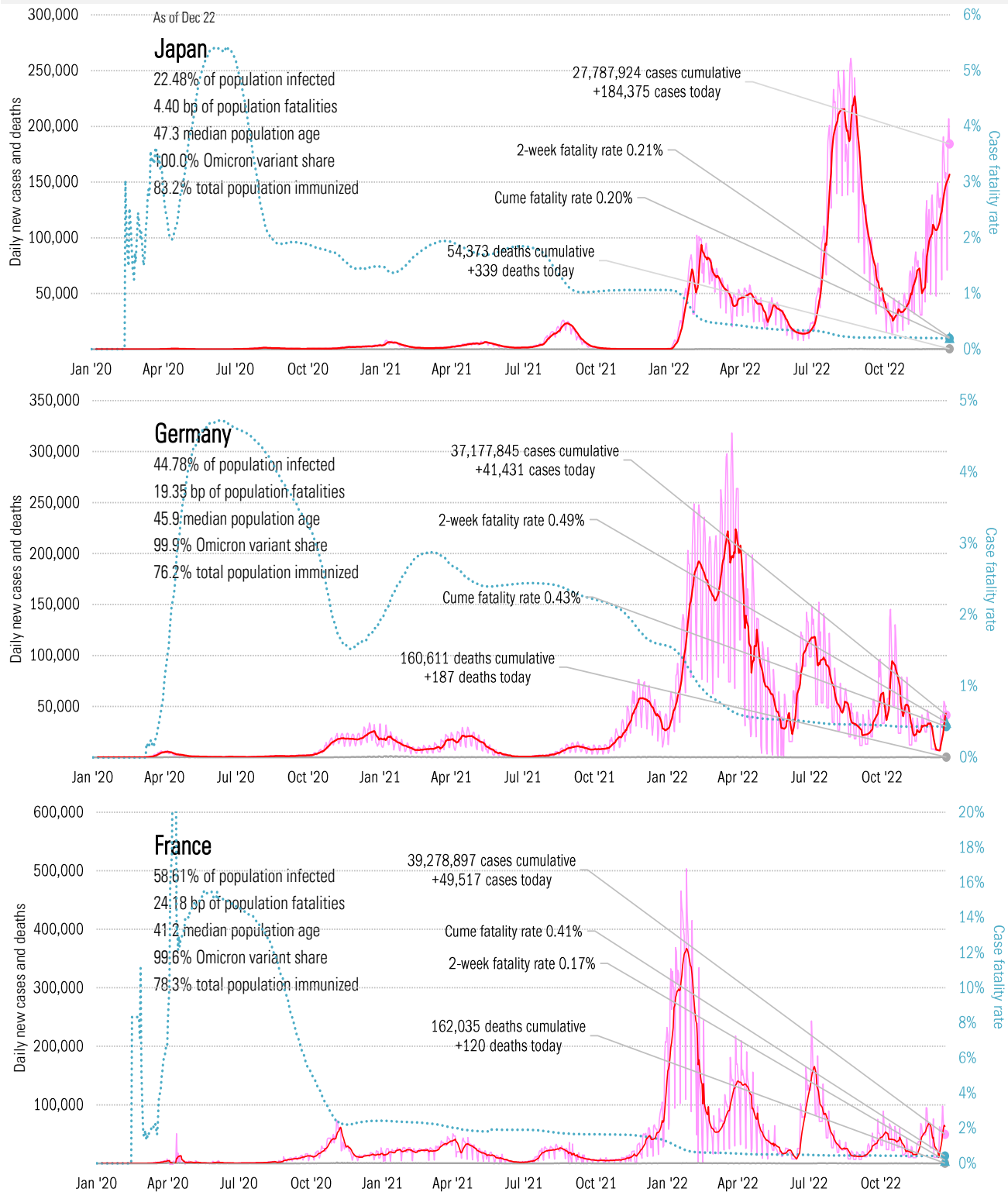
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

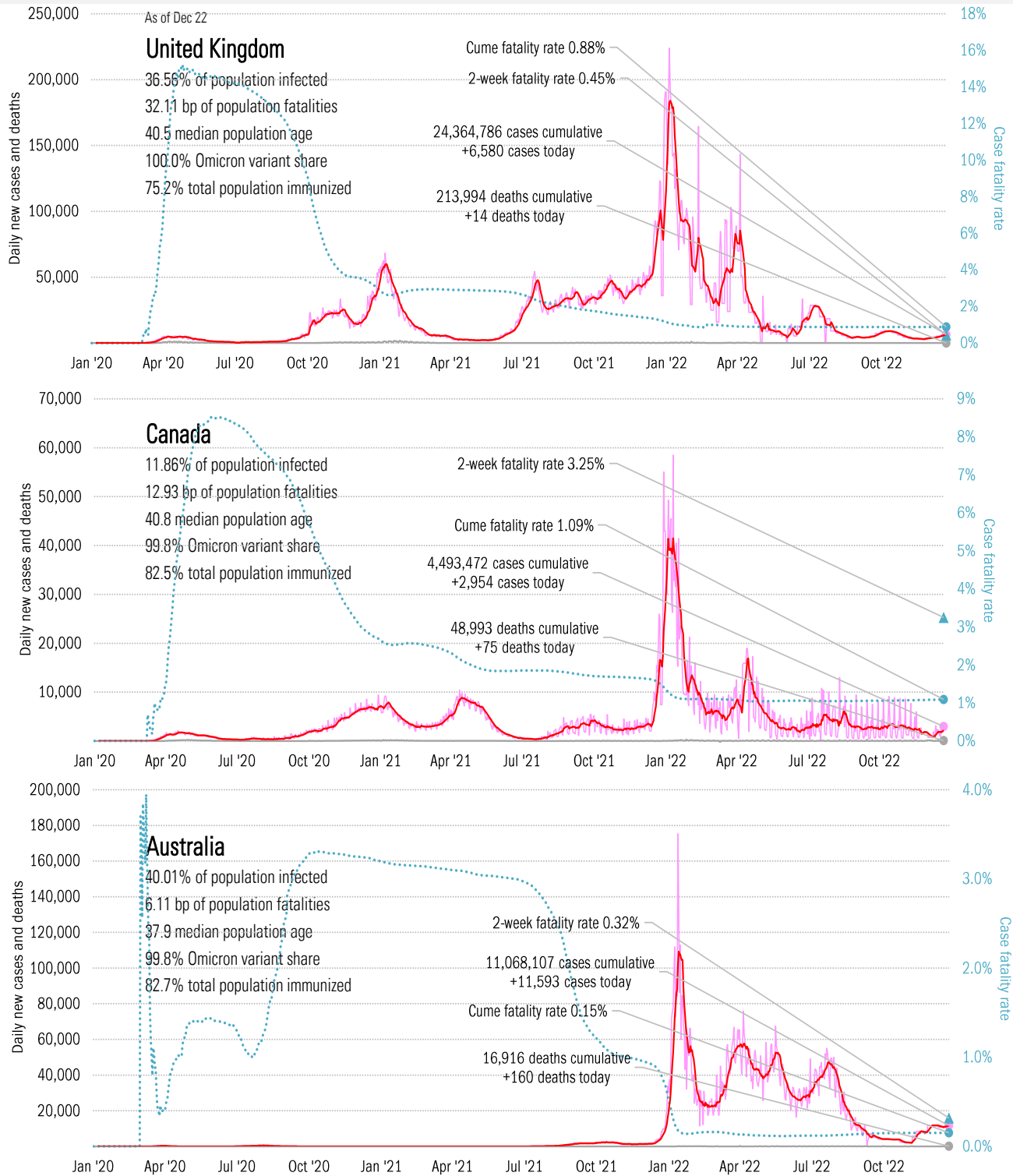
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

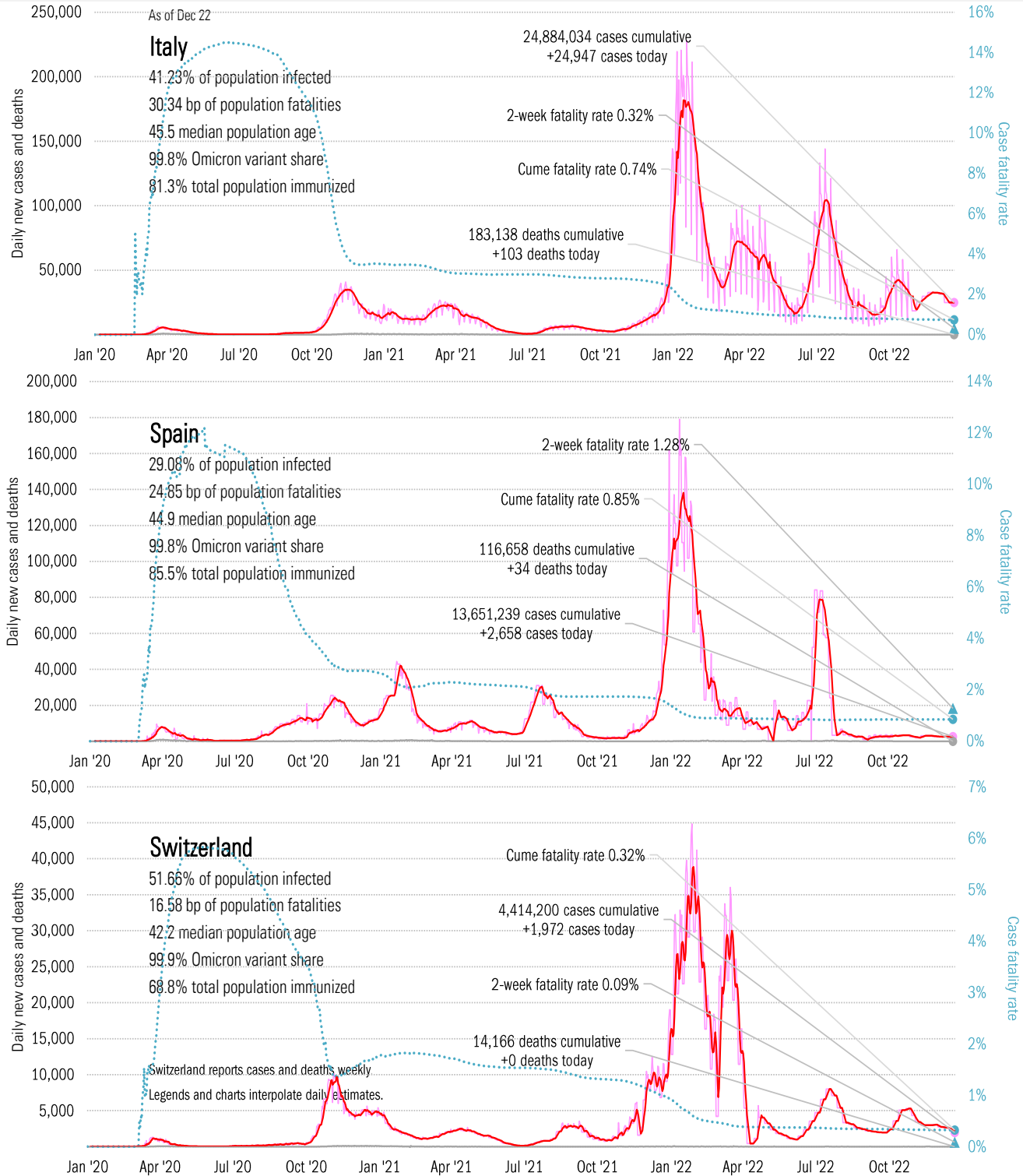
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

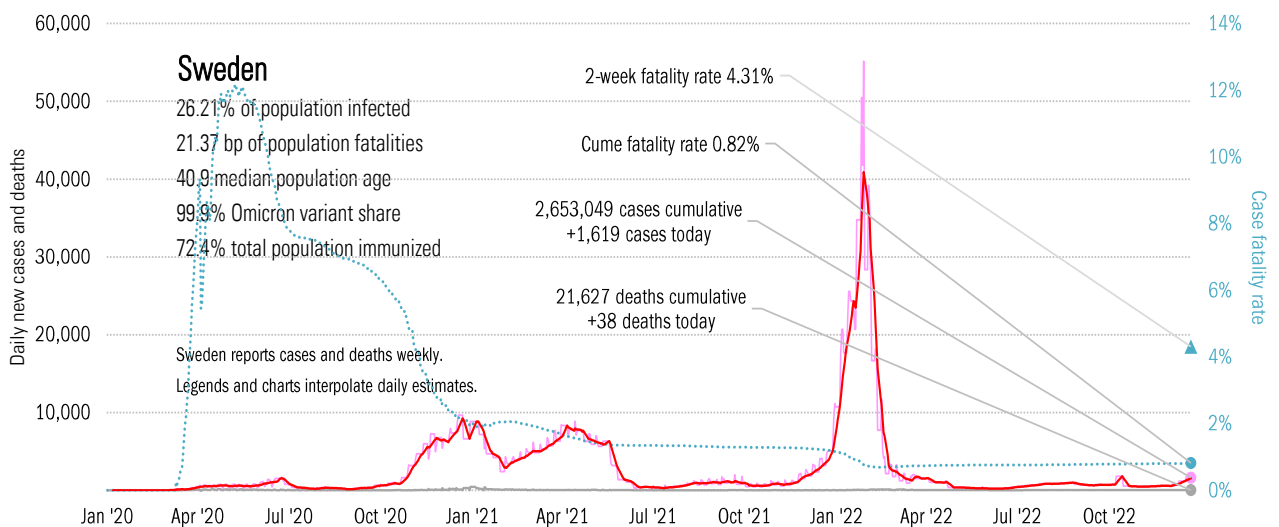
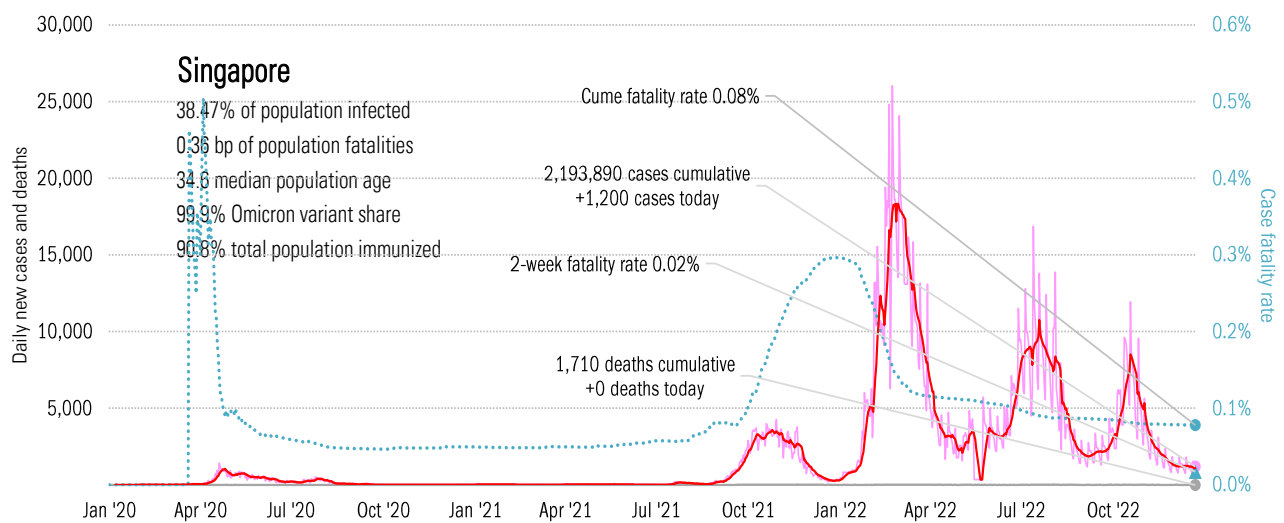
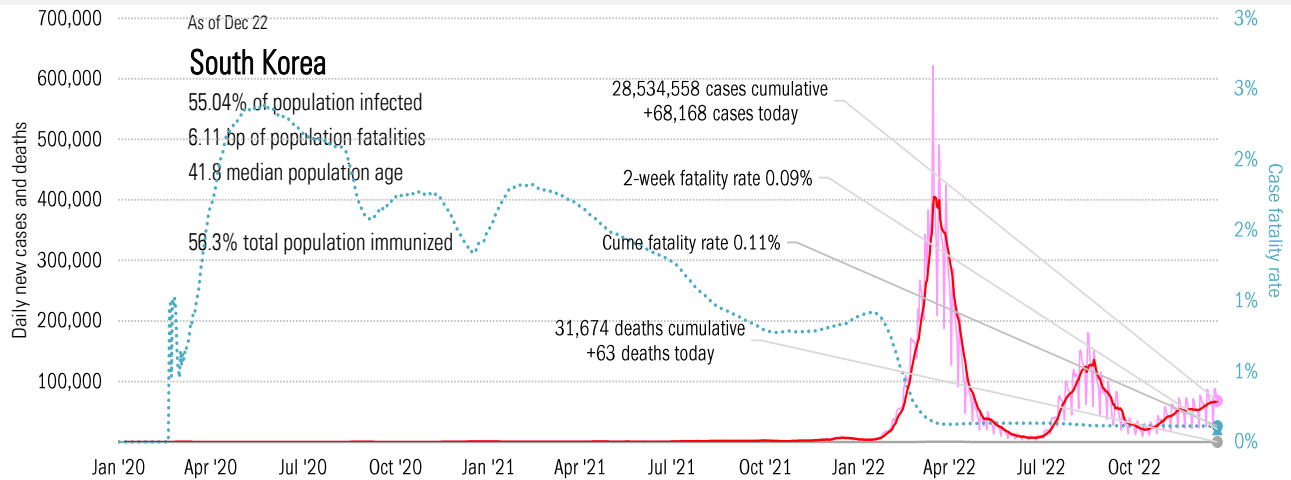
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

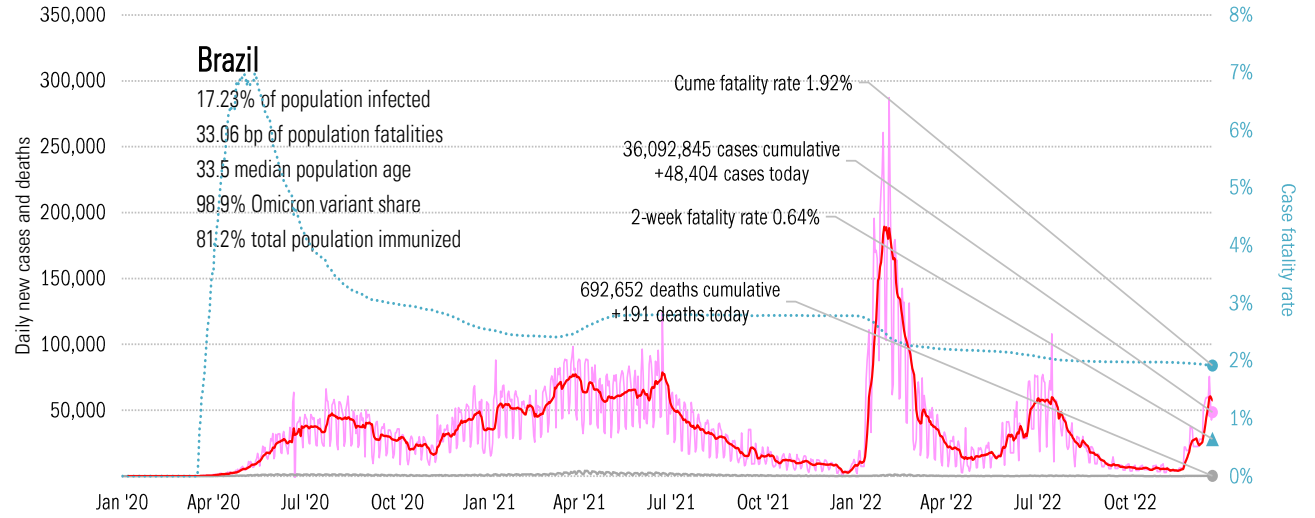
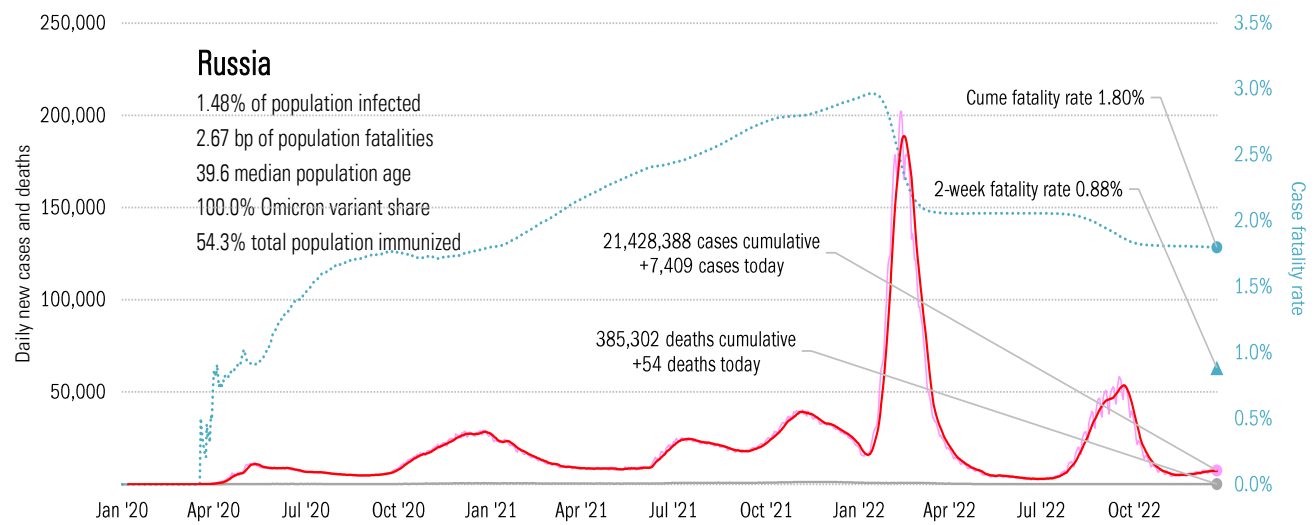
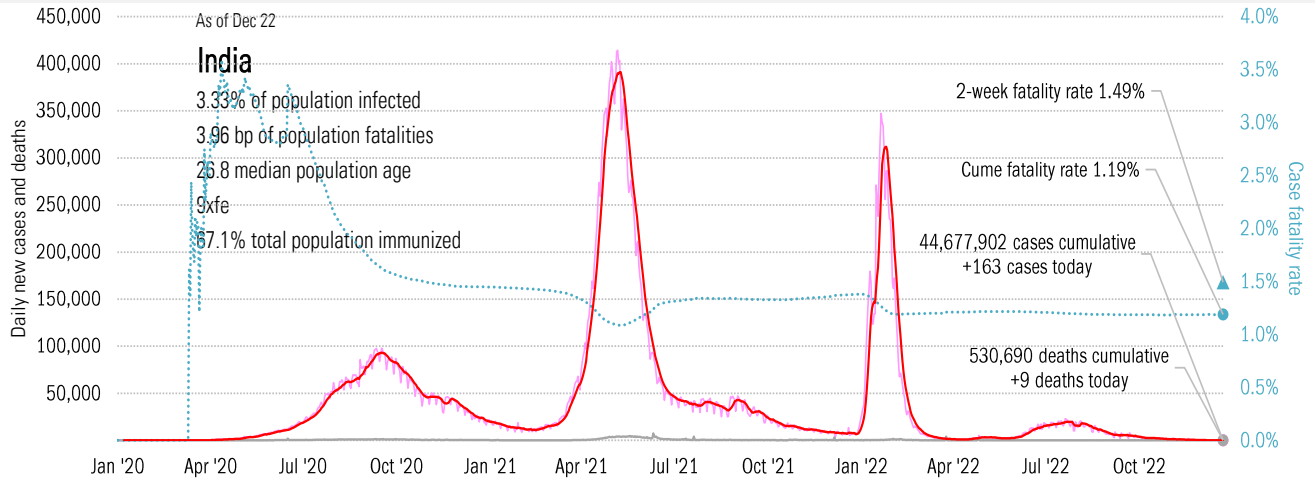
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

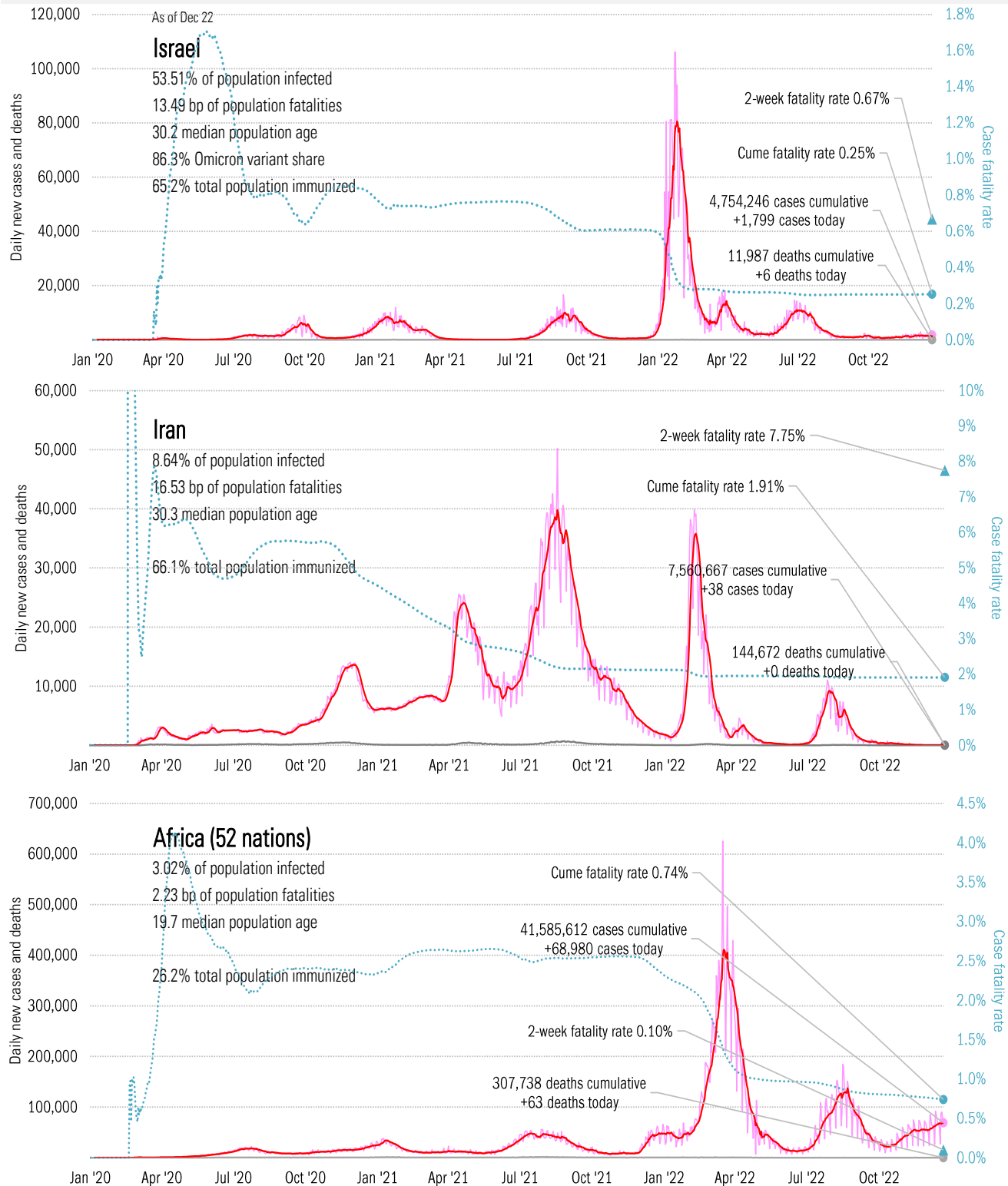
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

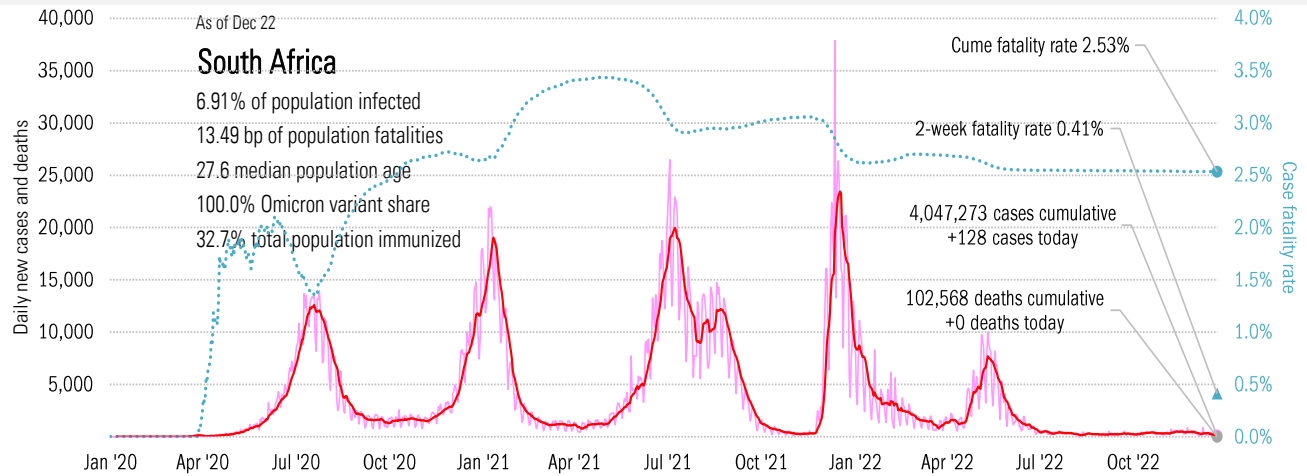
Cases: **7-day average** and **daily** Deaths: **Daily**



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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