

Data Insights: Covid-2019 Monitor

Wednesday, December 28, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

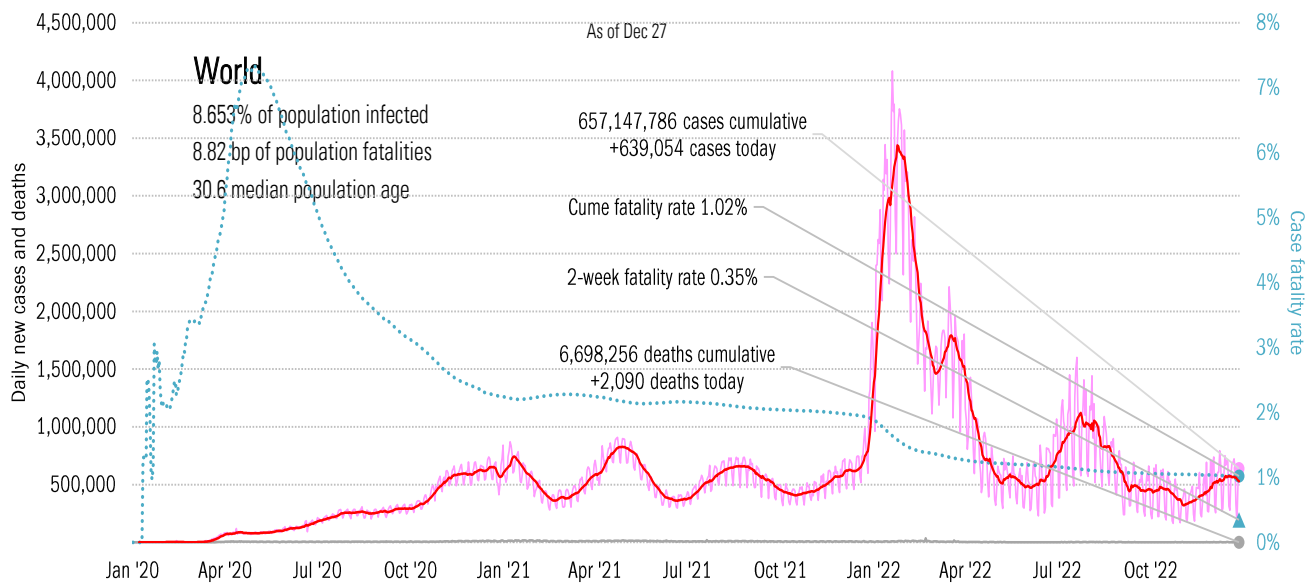
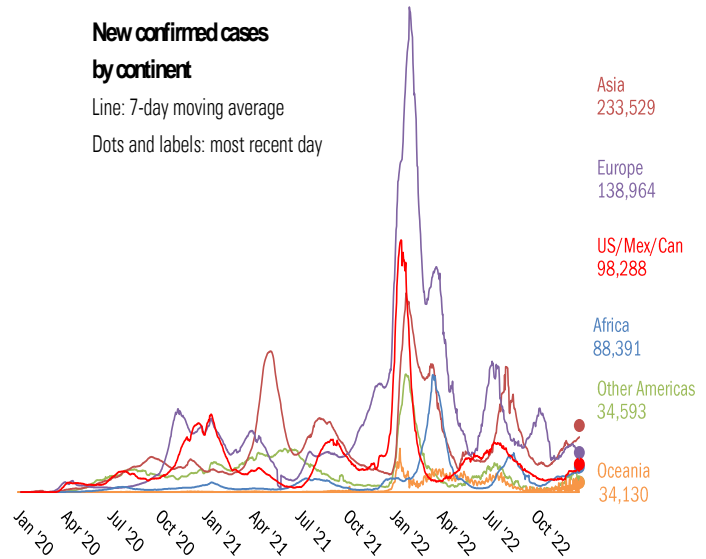
The worst ten countries

New cases		New Deaths	
Japan	204,343	France	423
Korea, South	87,517	United States	305
United States	83,746	Japan	271
Germany	60,452	Brazil	230
France	60,099	Germany	204
Brazil	35,898	Italy	114
New Zealand	32,013	Korea, South	69
Taiwan*	24,480	Russia	58
Italy	19,653	Mexico	50
Mexico	6,229	Denmark	46
614,430		1,770	

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

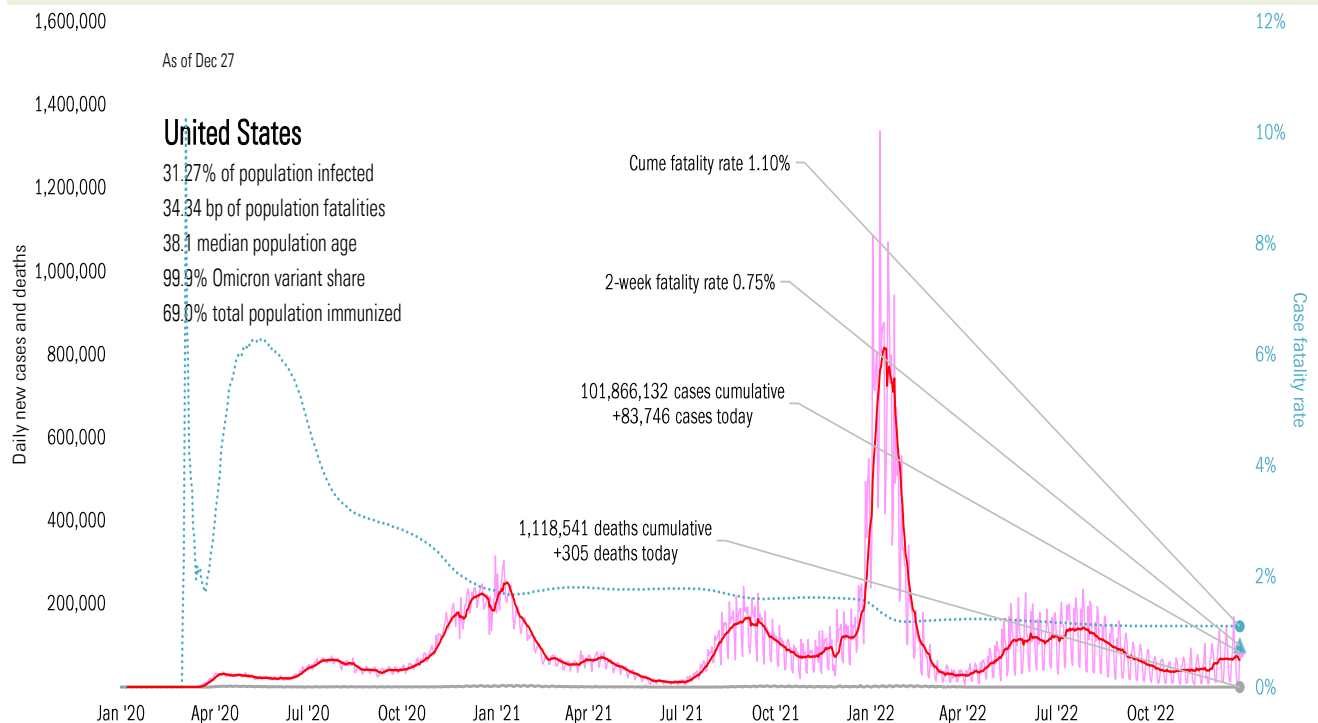
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
NY	14,618		NY	48	NC	177	CA	11,782,384	CA	98,424	TX	566,256	NV	87%	MA	86%					
SC	9,855		CA	38	CT	109	TX	8,196,006	TX	91,718	CA	539,068	MA	86%	TX	84%					
NJ	7,997		FL	32	GA	204	FL	7,312,963	FL	83,606	FL	511,985	DE	84%	VT	83%					
CA	6,958		PA	19	TX	433	NY	6,553,576	NY	74,893	NY	333,386	RI	84%	NH	83%					
FL	6,079		IL	17	PA	186	IL	3,960,434	PA	48,798	CH	234,696	MN	82%	AL	82%					
LA	3,634		GA	17	SC	79	PA	3,403,953	GA	41,361	GA	233,846	WA	82%	NC	81%					
CH	2,556		MA	16	MA	157	NC	3,316,814	CH	40,840	PA	219,567	NH	80%	CR	79%					
NC	2,382		MI	16	MS	25	CH	3,294,521	MI	40,767	IL	202,921	CA	80%	NM	78%					
TN	1,924		AZ	16	VA	118	MI	2,988,654	IL	40,627	MI	174,385	MO	80%	RI	78%					
GA	1,627		TX	16	KY	76	GA	2,974,619	NJ	35,434	NJ	152,295	MD	79%	KY	78%					
57,630			234			1,564			53,783,924			596,468			3,168,405						
All states	83,746		305		4,850		All states	101,866,132	1,118,541		5,752,186		All states	70%			67%				
Top ten	69%		77%		32%		Top ten	54%	55%		55%		Median	71%			72%				

Some states not reporting

Five most improved US states

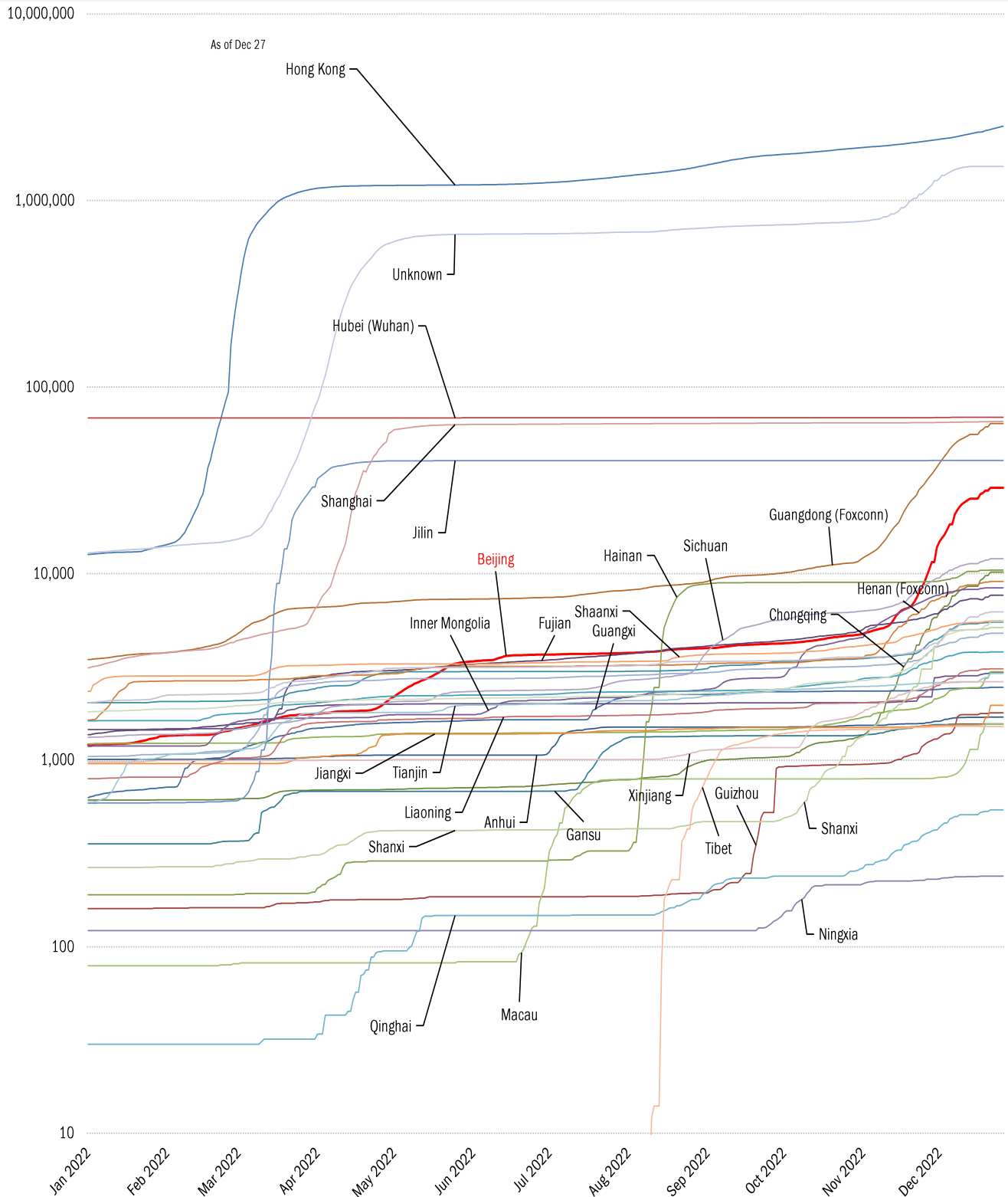
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-27,672	NJ	-8	NY	-288
VA	-3,702	IL	-7	IL	-106
WI	-1,087	CO	-2	NJ	-100
CO	-219	HI	-1	FL	-63
AK	0	VT	-1	TX	-57



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"

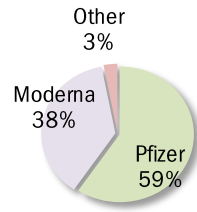


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered Doses	Cumulative	Today	Immunity	Full	Partial
	678,686,171	+0.129 million	US	69.0%	80.8%
		Of which boosters: +0.112 million	UK	75.2%	79.7%
			France	78.3%	80.6%
			Spain	85.5%	86.9%
			Germany	76.2%	77.8%
			Italy	81.3%	86.2%
			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%



State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

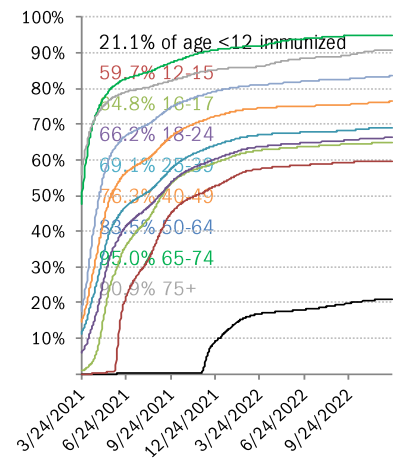
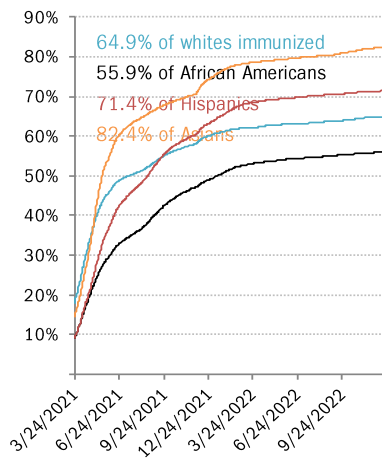
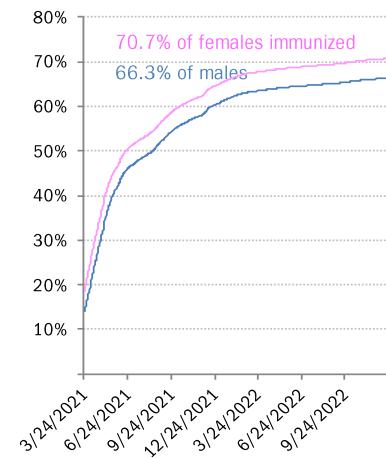
AK	72.7%
	64.9%

WI	74.8%
	67.9%

ME	95.0%
	83.0%

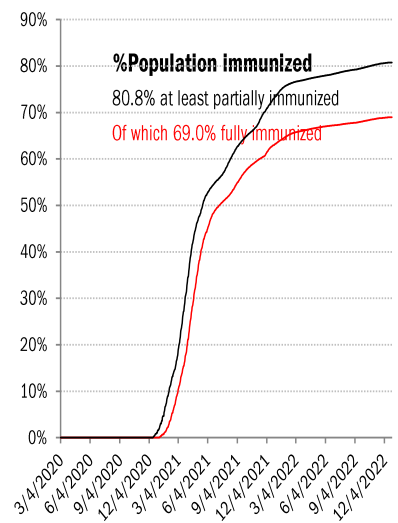
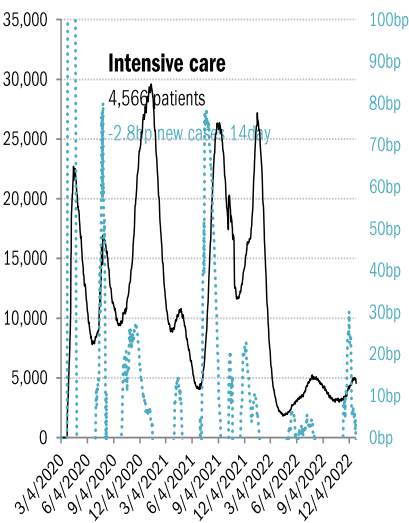
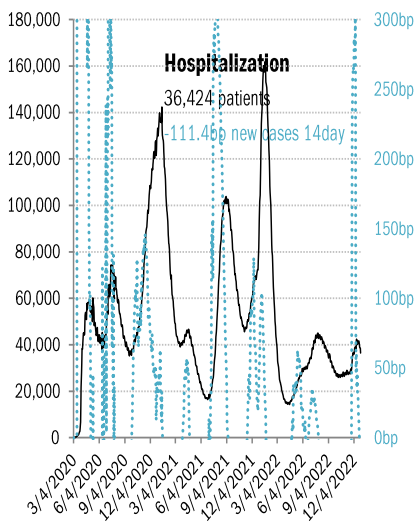
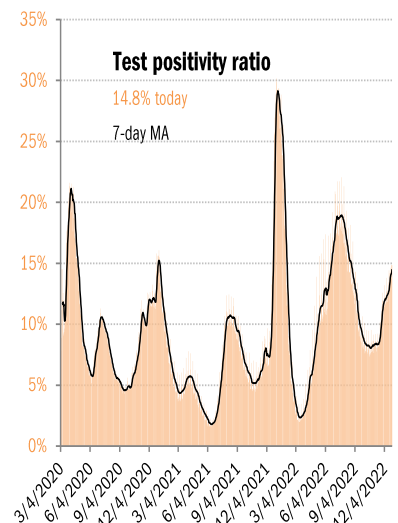
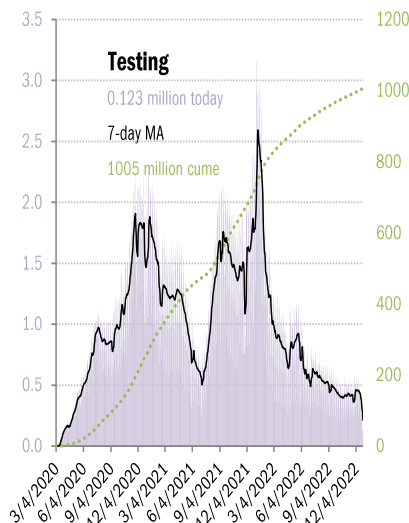
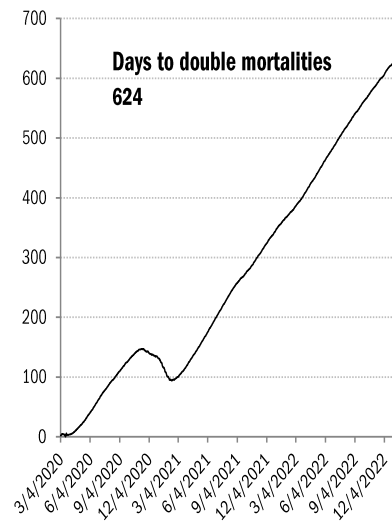
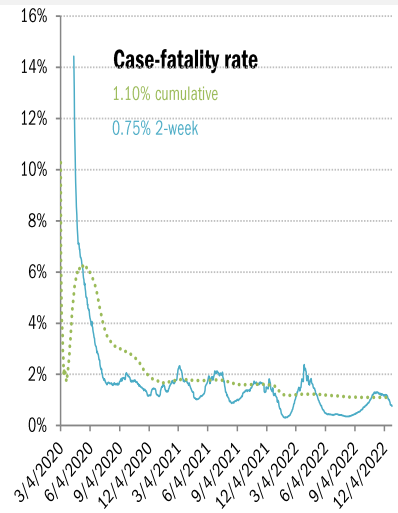
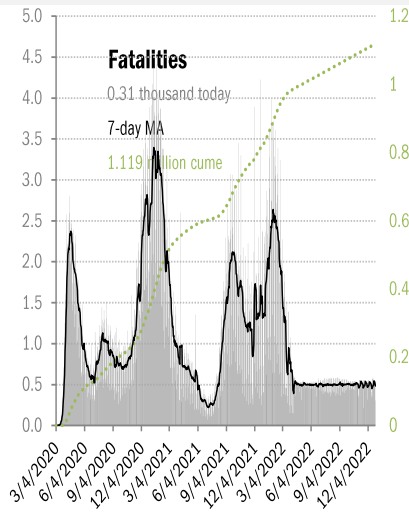
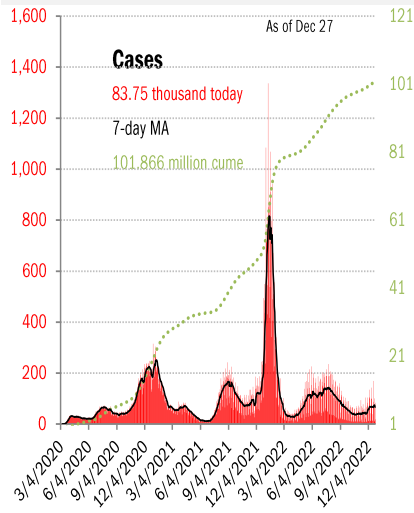
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
84.8%	63.7%	68.0%	69.0%	78.4%	78.9%	69.2%	94.0%	95.0%	87.5%	
75.7%	56.3%	58.9%	58.4%	71.8%	71.0%	62.1%	80.4%	85.2%	71.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.2%	77.2%	60.7%	83.3%	70.4%	64.1%	65.5%	90.1%	94.2%	95.0%	
72.1%	63.5%	52.9%	65.9%	64.1%	57.6%	60.2%	72.9%	78.8%	83.7%	
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%										
HI							FL		PR	
91.0%							82.1%		95.0%	
81.2%							69.2%		86.7%	

The demographics of US vaccination

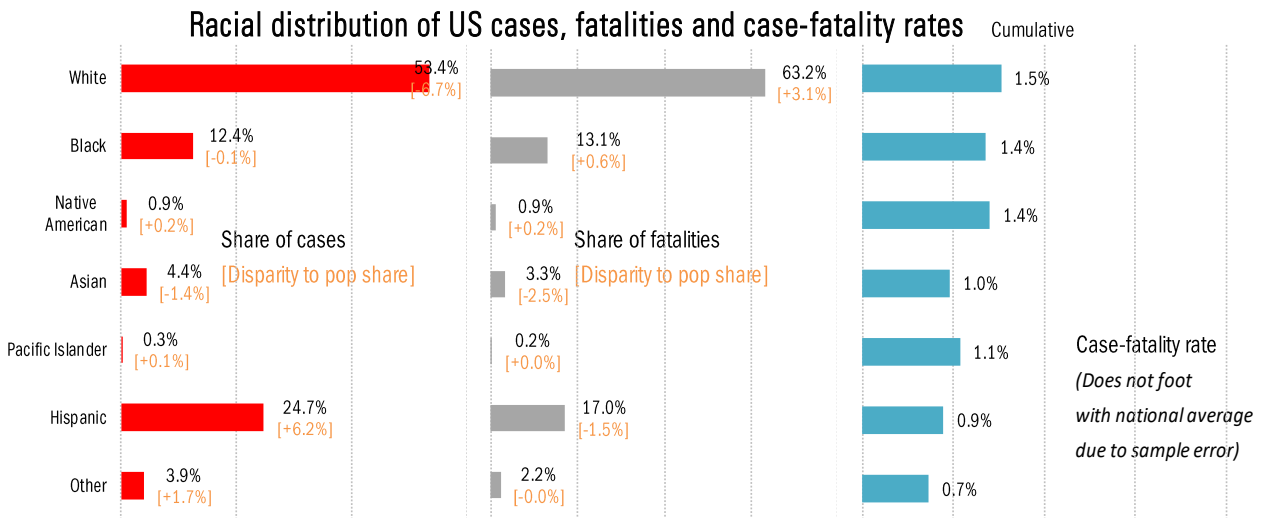
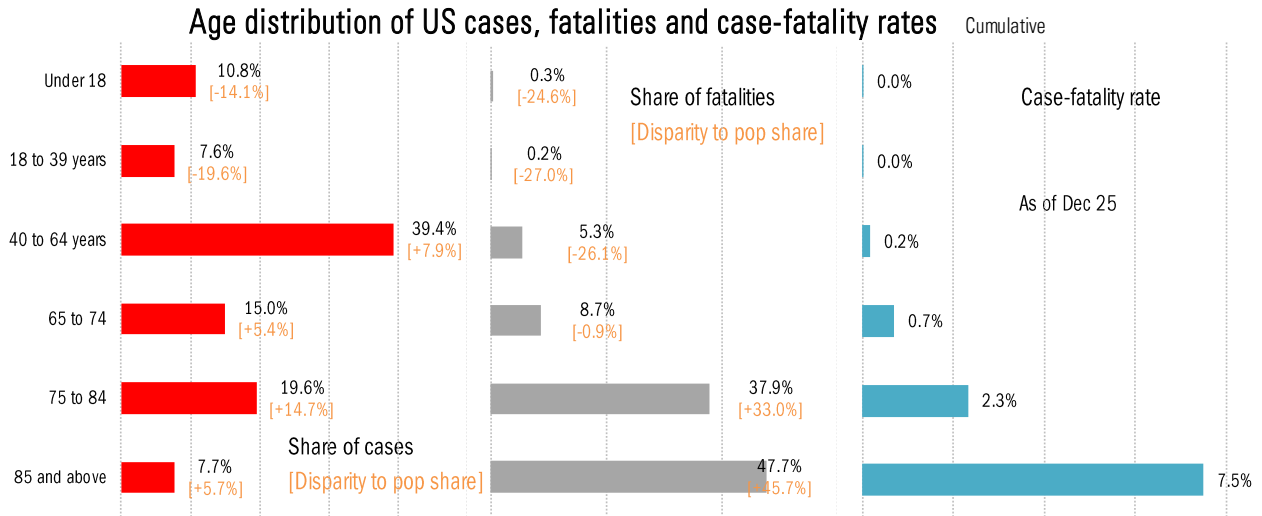


Source: CDC, CDC, Our World in Data, TrendMacro calculations

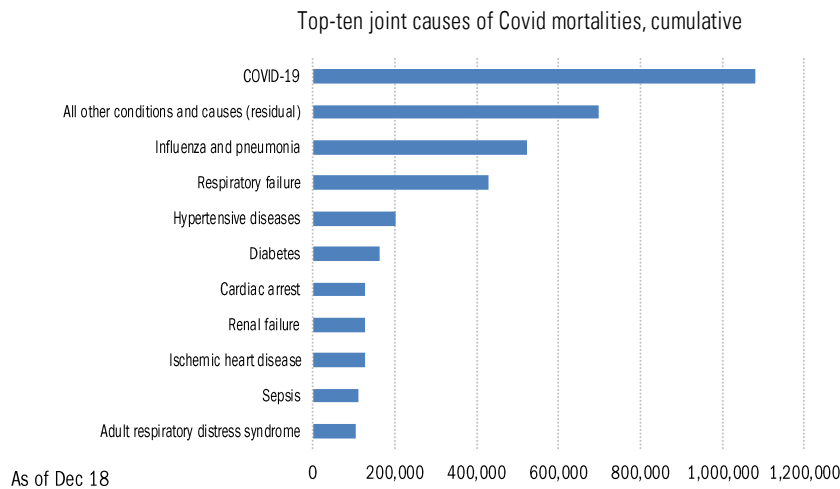
US deep-dive



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



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

[Justice Gorsuch joins three liberal justices on Supreme Court's Title 42 decision](#)

Julia Shapero

The Hill

December 27, 2022

['Tragic Battle': On the Front Lines of China's Covid Crisis](#)

Isabelle Qian and David Pierson

New York Times

December 27, 2022

[VERY URGENT: Do Covid mRNA vaccines damage our ability to control the coronavirus after a booster shot?](#)

Alex Berenson

Unreported Truths

December 27, 2022

[Class switch towards non-inflammatory, spike-specific IgG4 antibodies after repeated SARS-CoV-2 mRNA vaccination](#)

Pascal Irrgang et al.

Science

December 22, 2022

Meme of the Day



@Ramireztoons

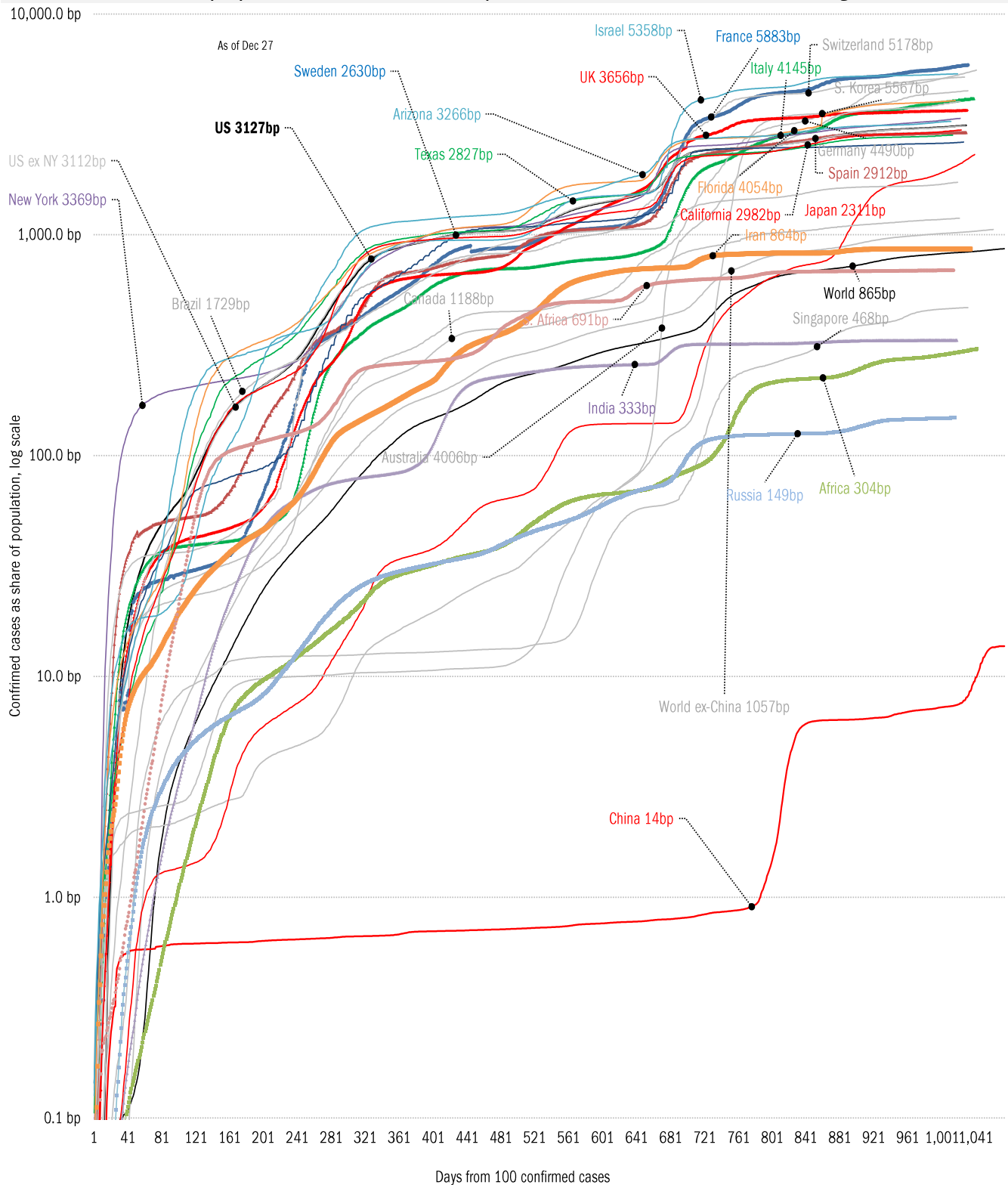
ALL CORONAVIRUS PATHS LEAD BACK to CHINA.

michaelpramirez.com

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

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

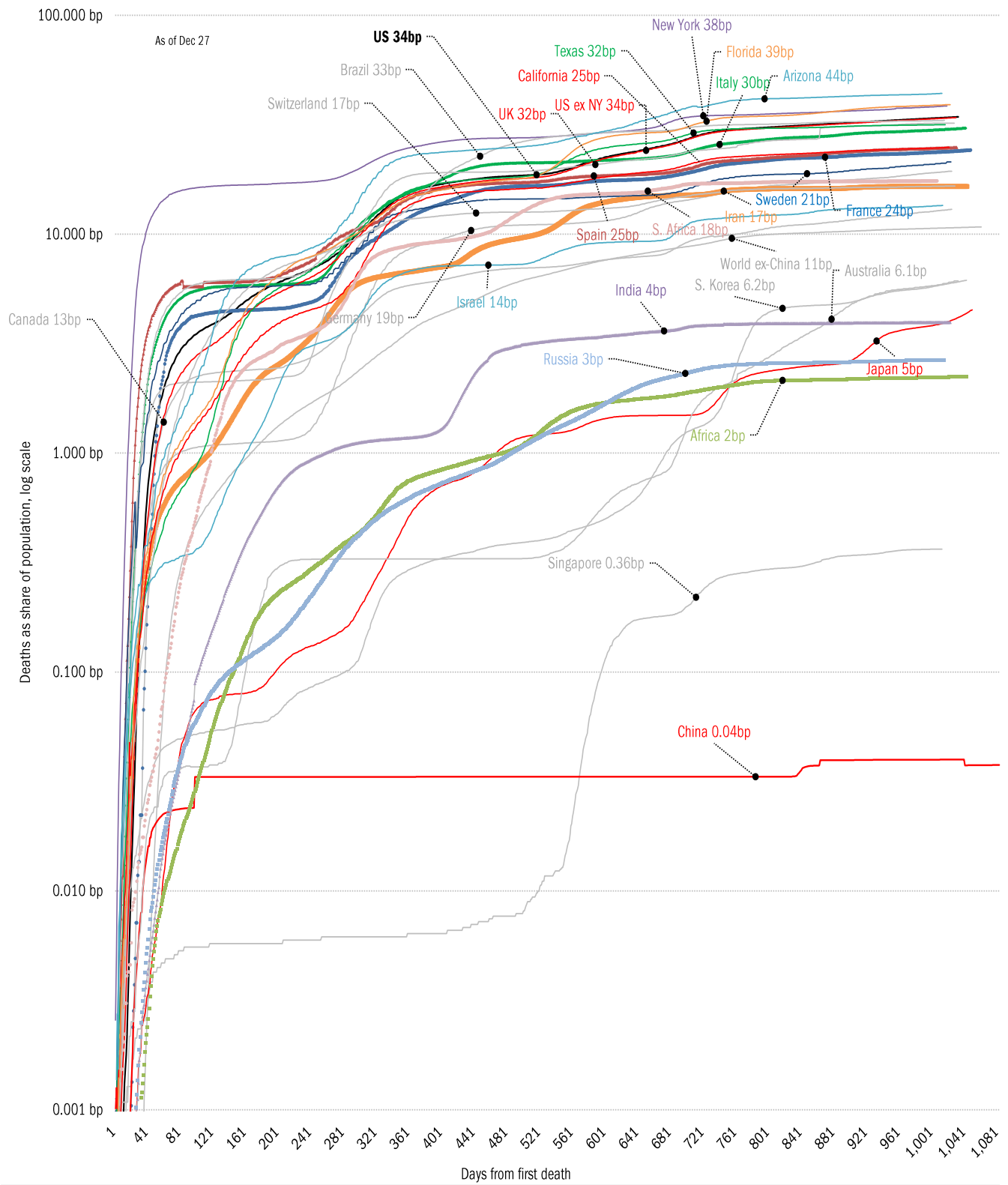
Share of infected population from first day with 100 confirmed cases, log scale



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

The global coronavirus mortality accelerometer ... tracking the world's fatality curves

Share of population deceased 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

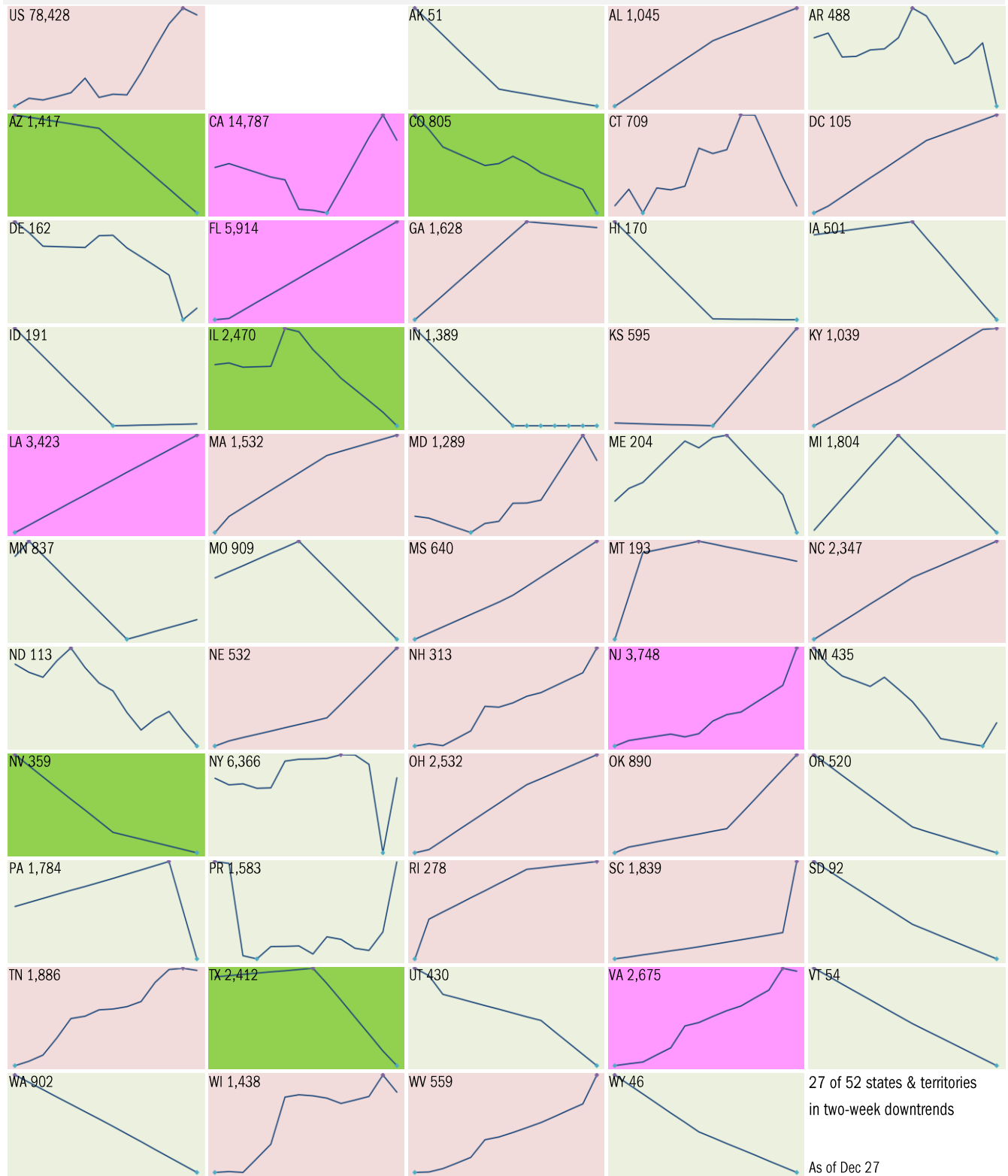


Source: [Johns Hopkins](#), TrendMacro calculations

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

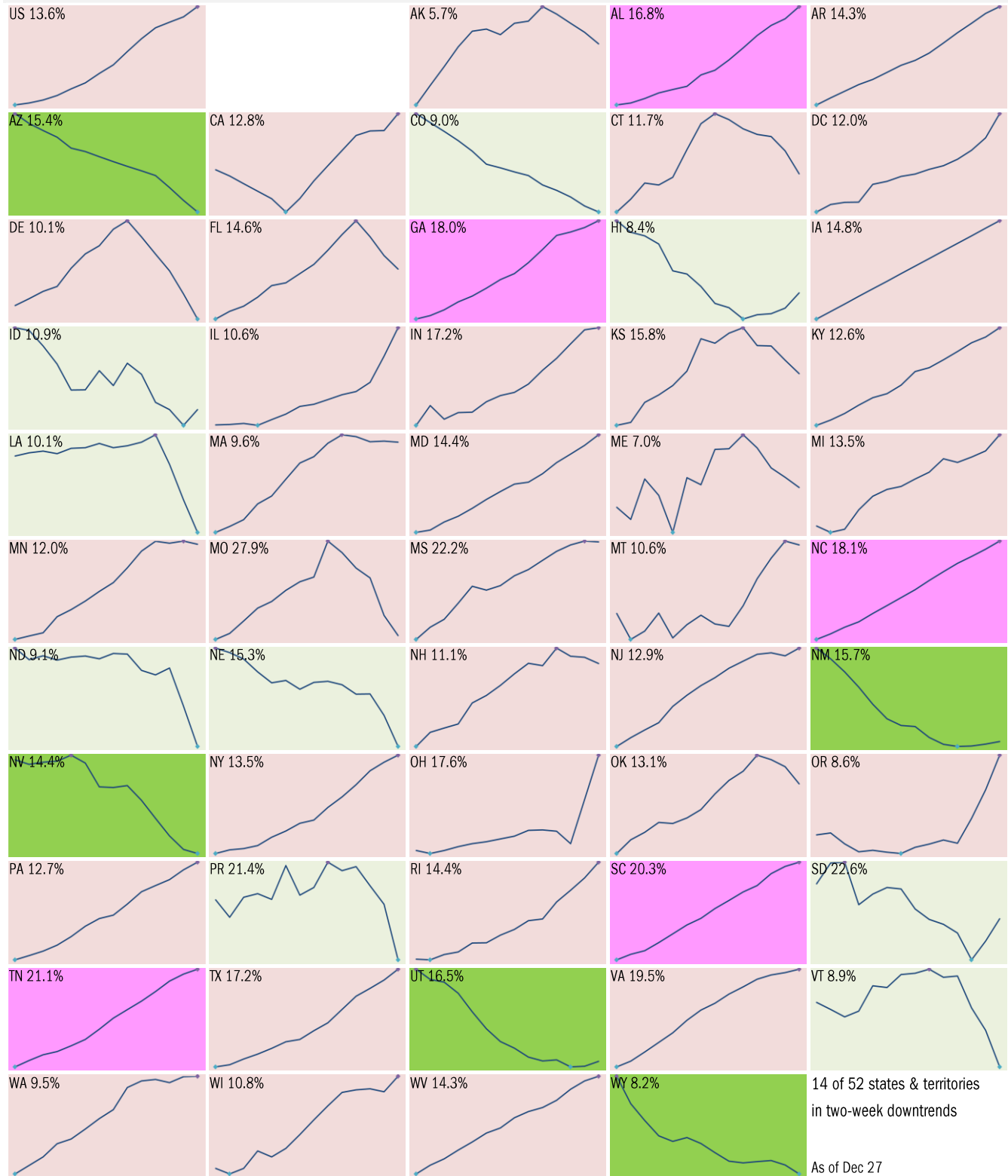


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

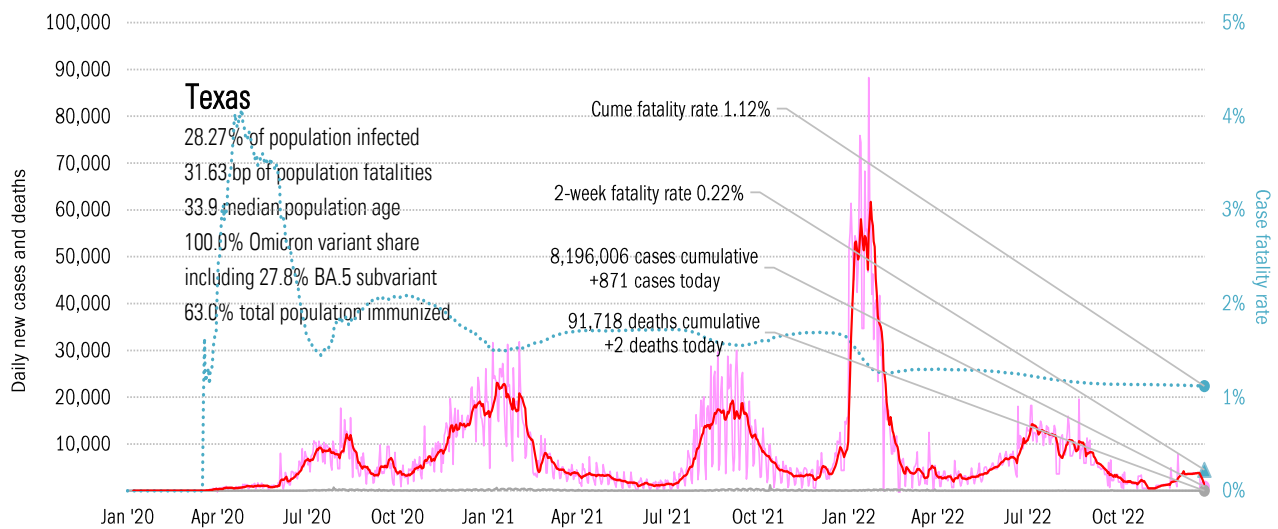
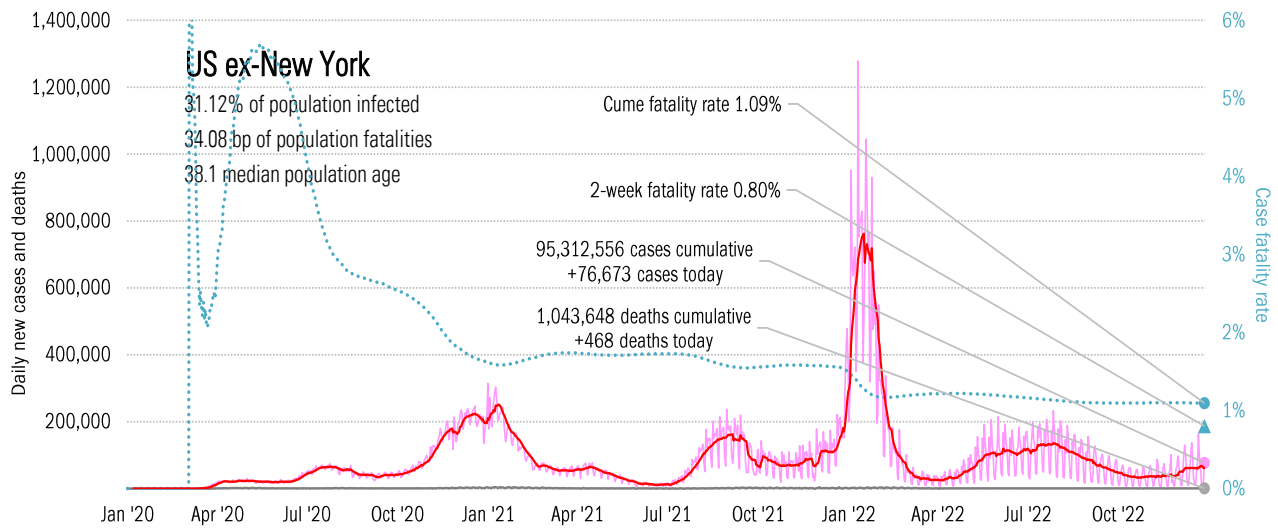
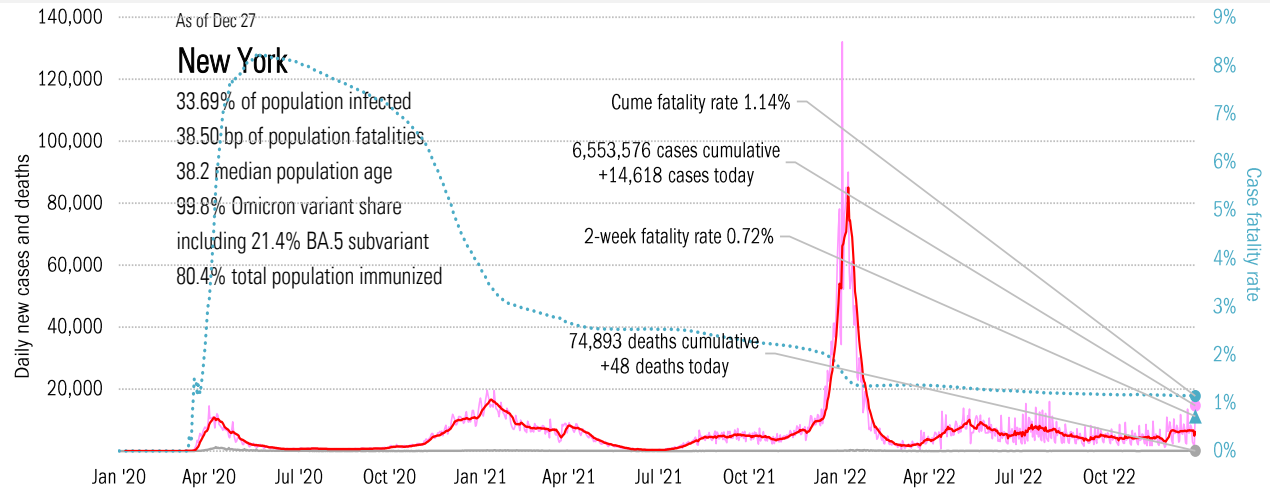
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

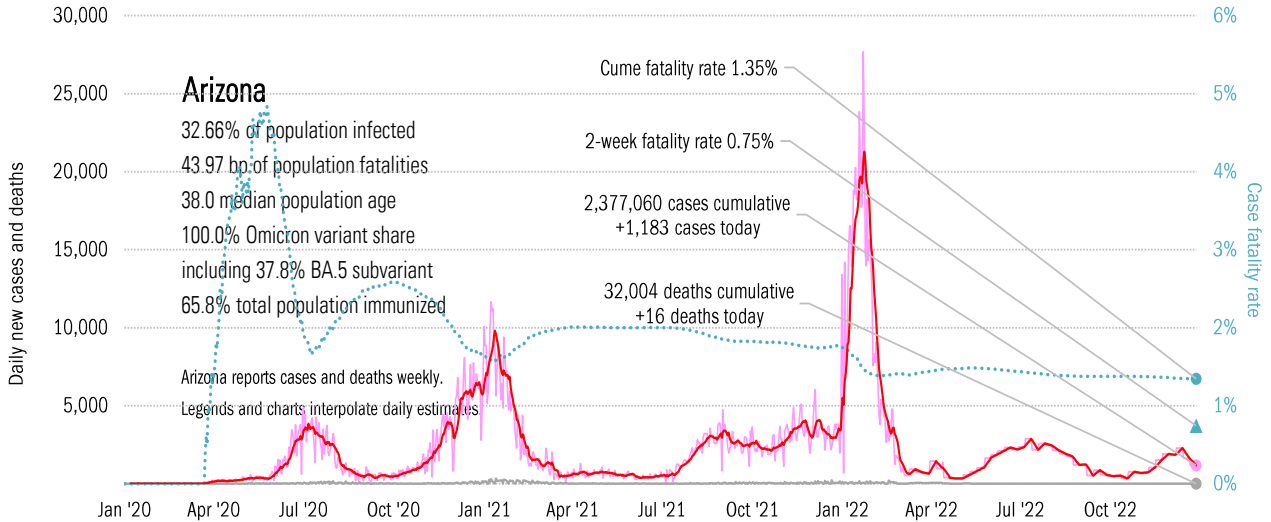
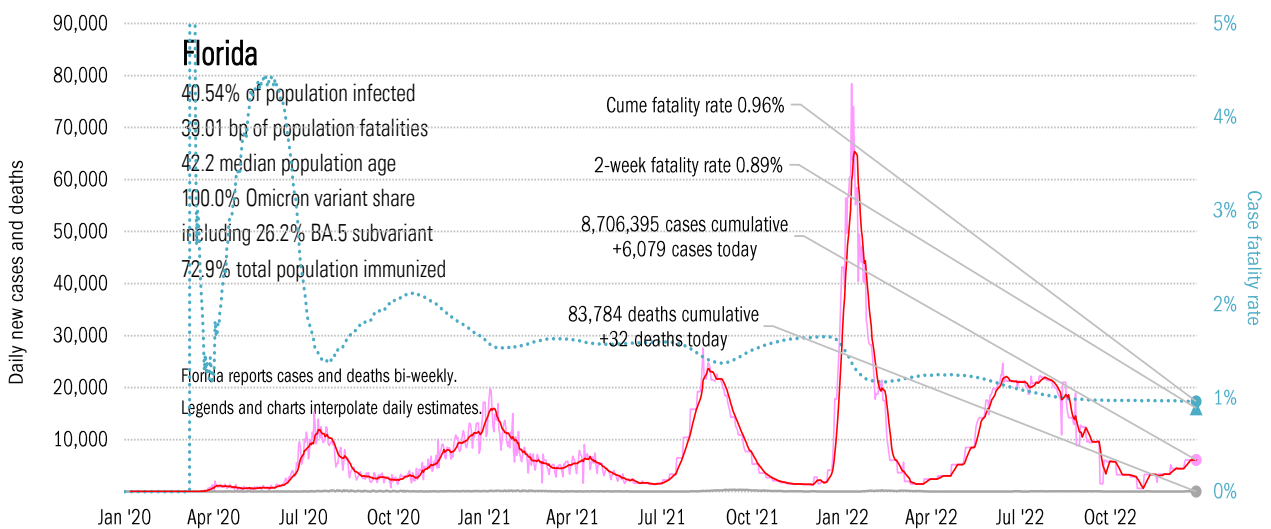
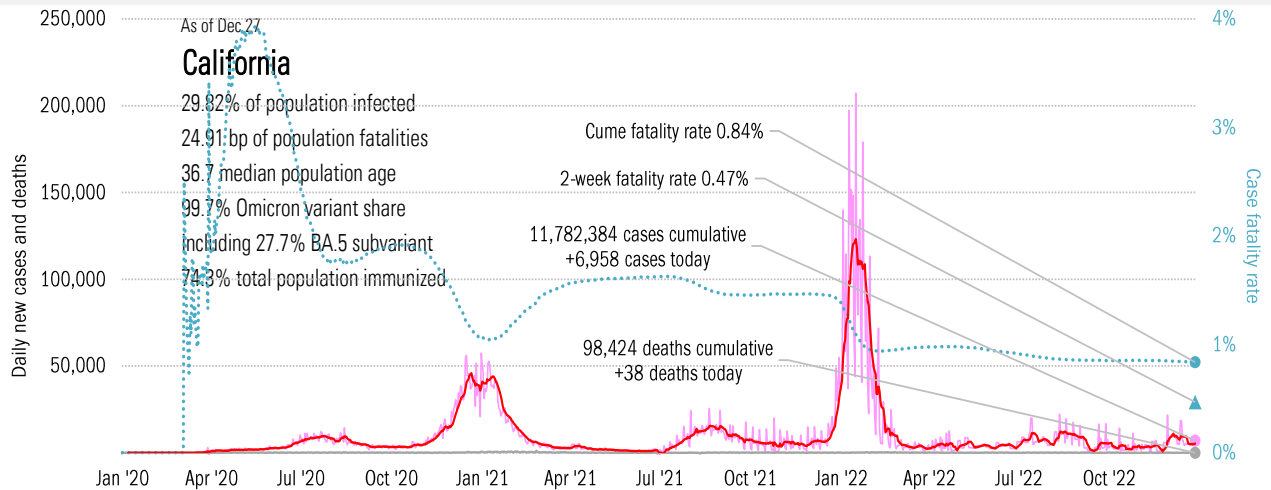
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

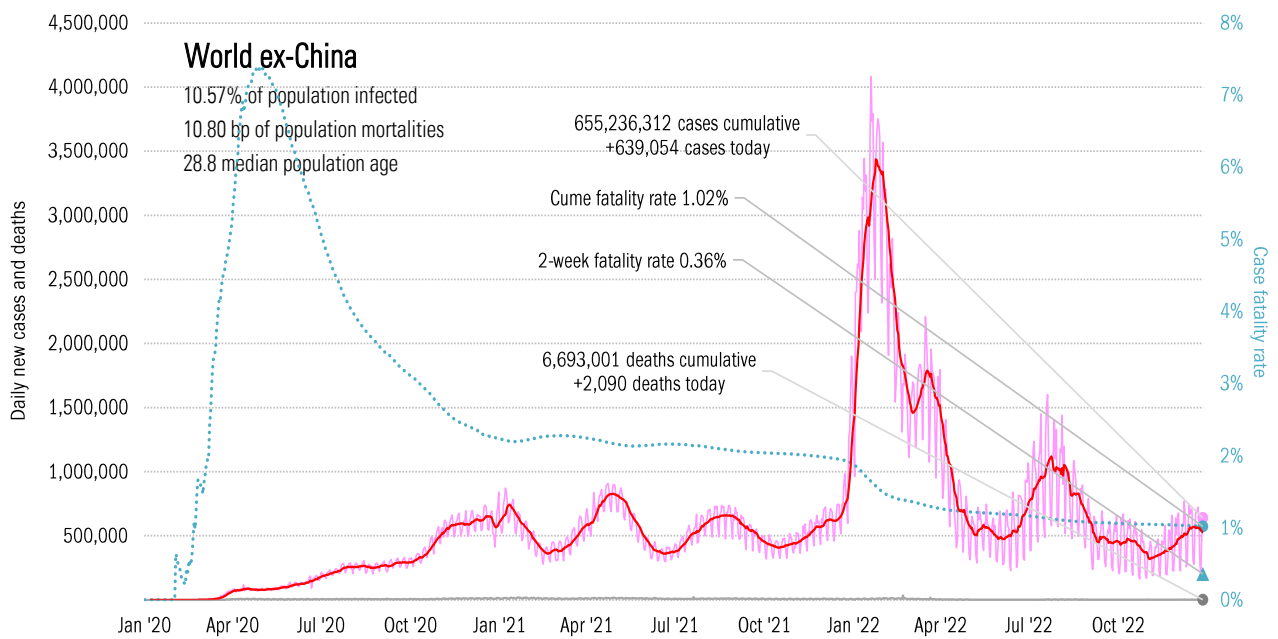
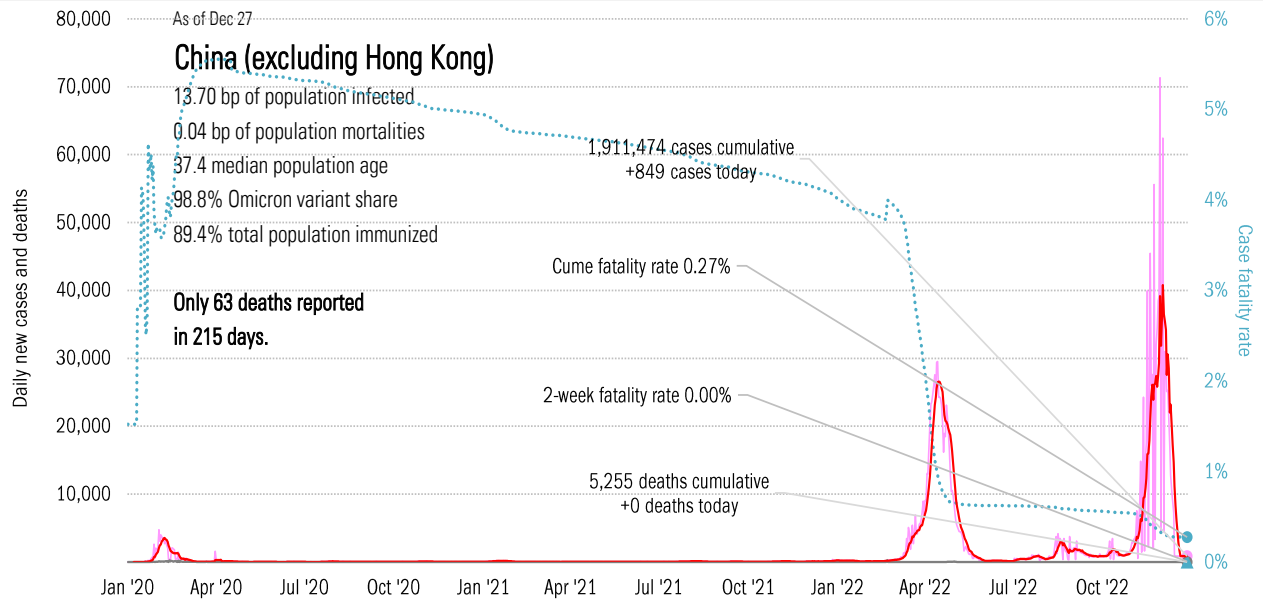
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

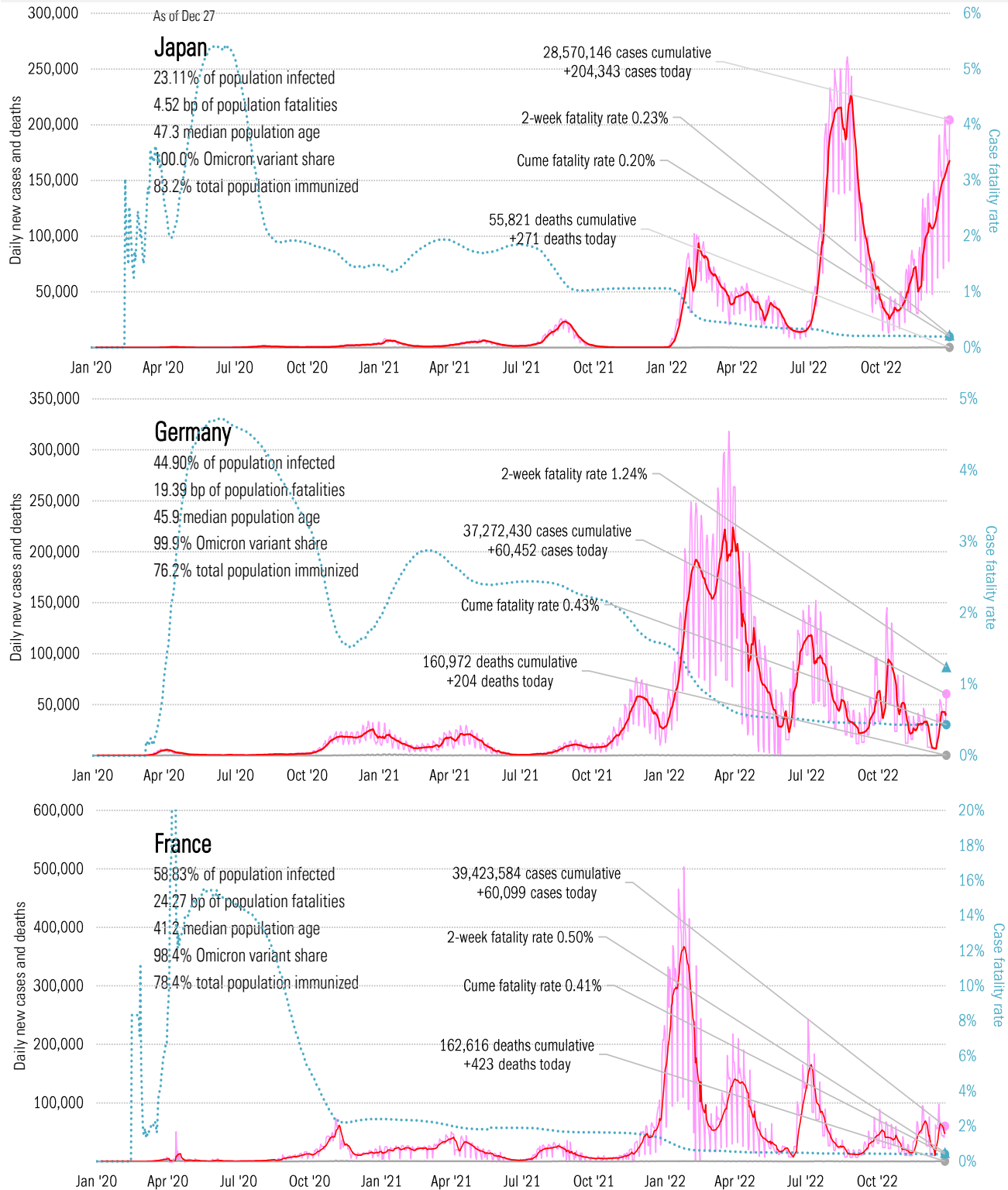
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

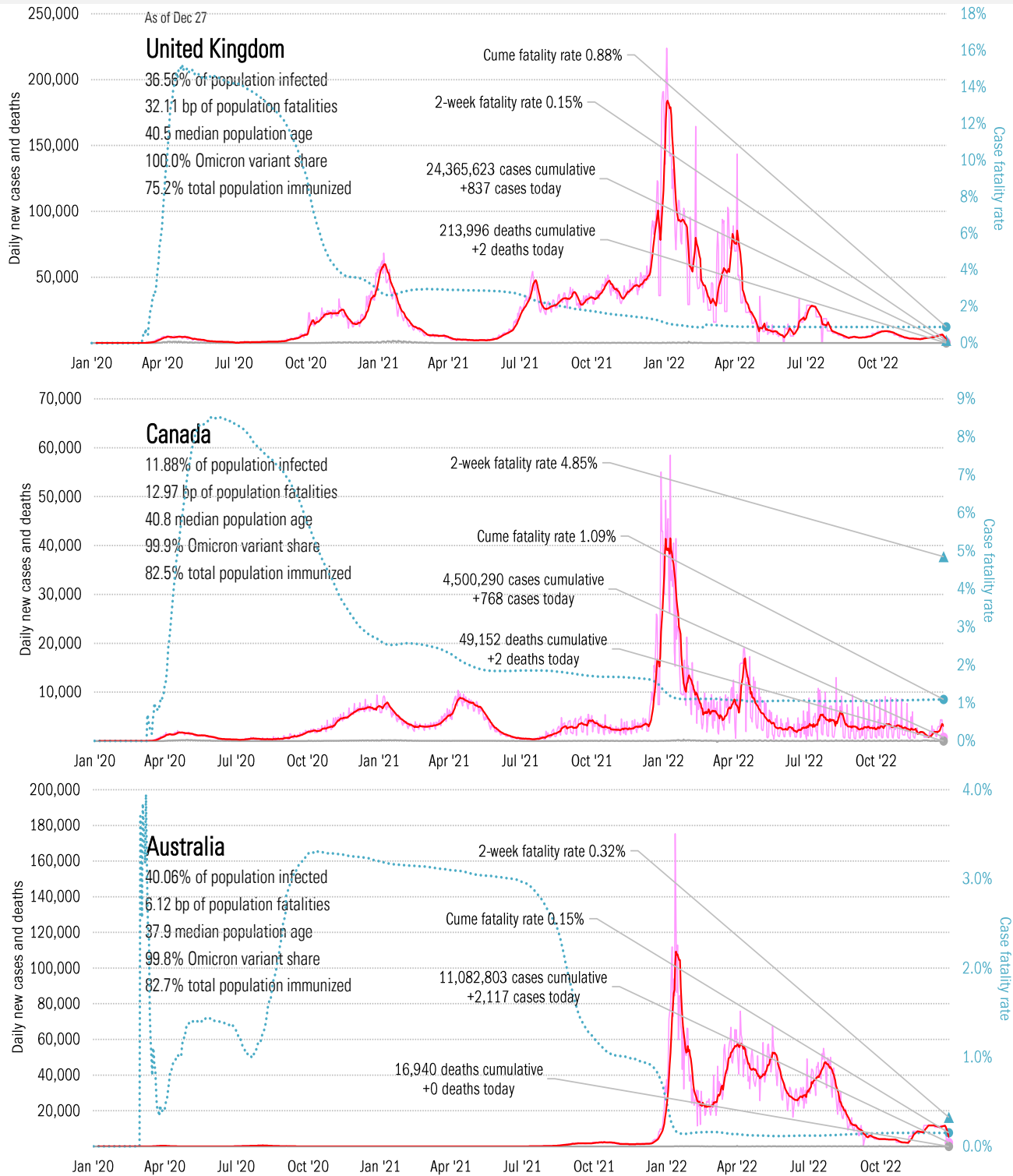
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

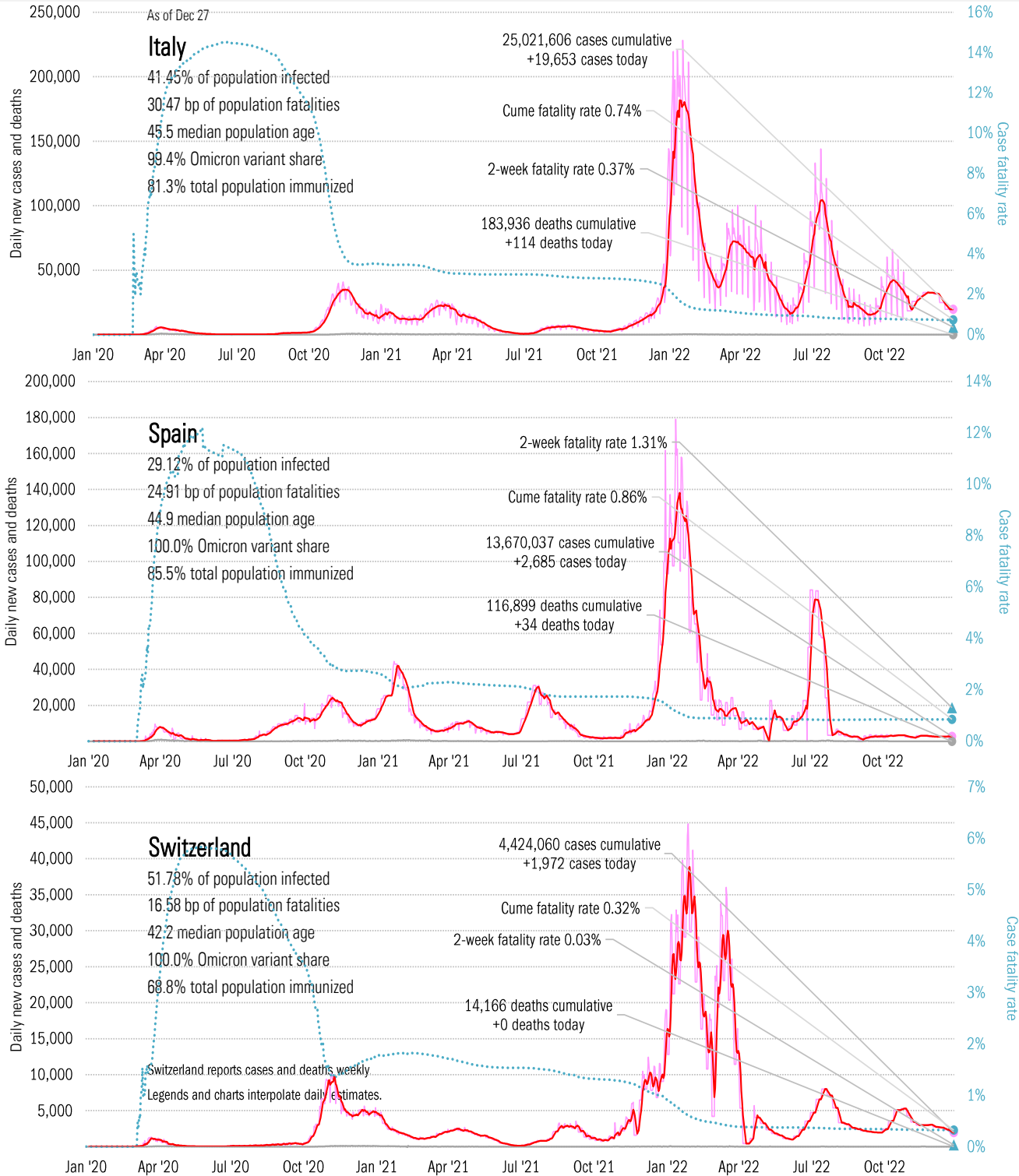
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

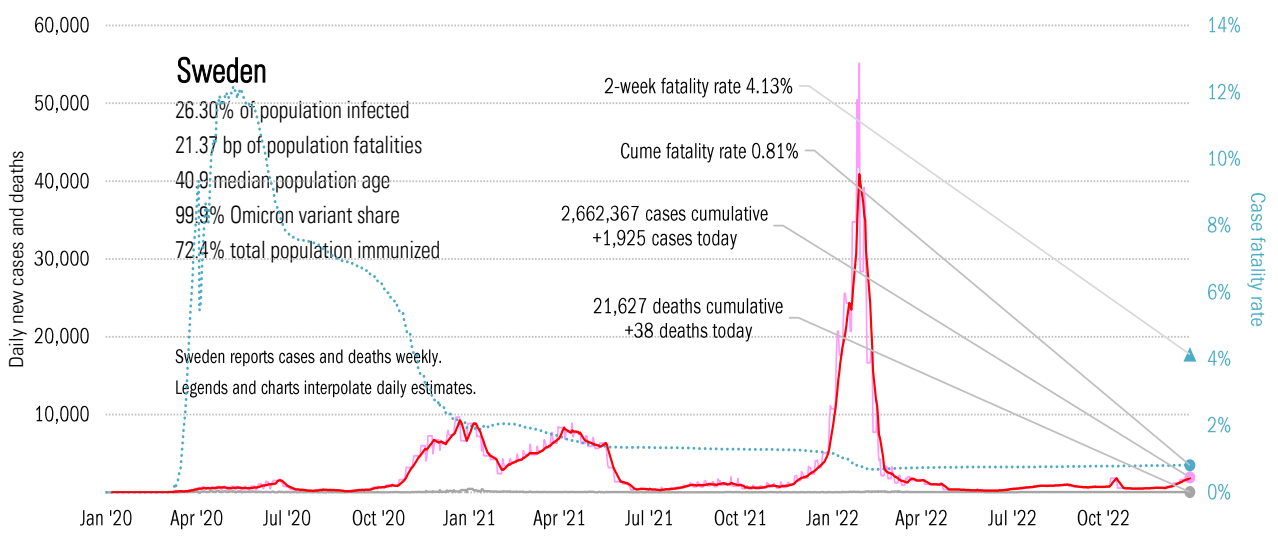
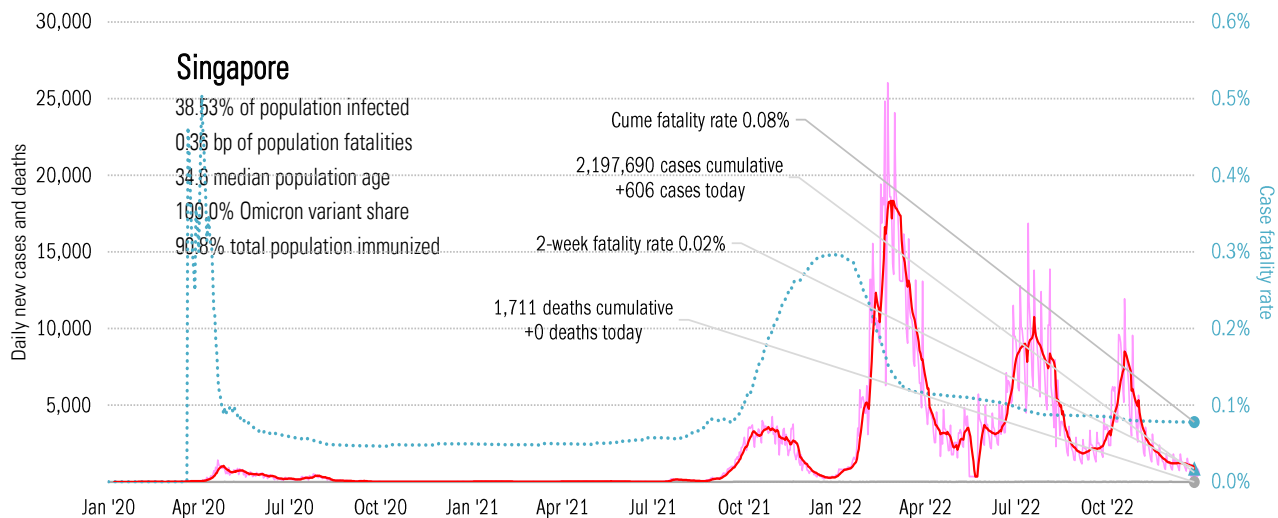
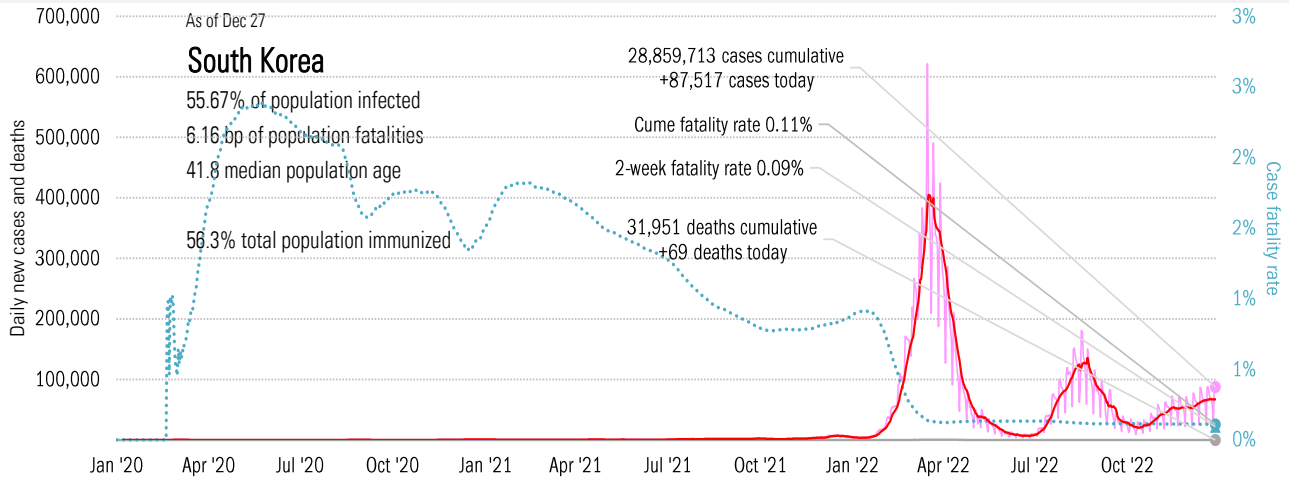
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

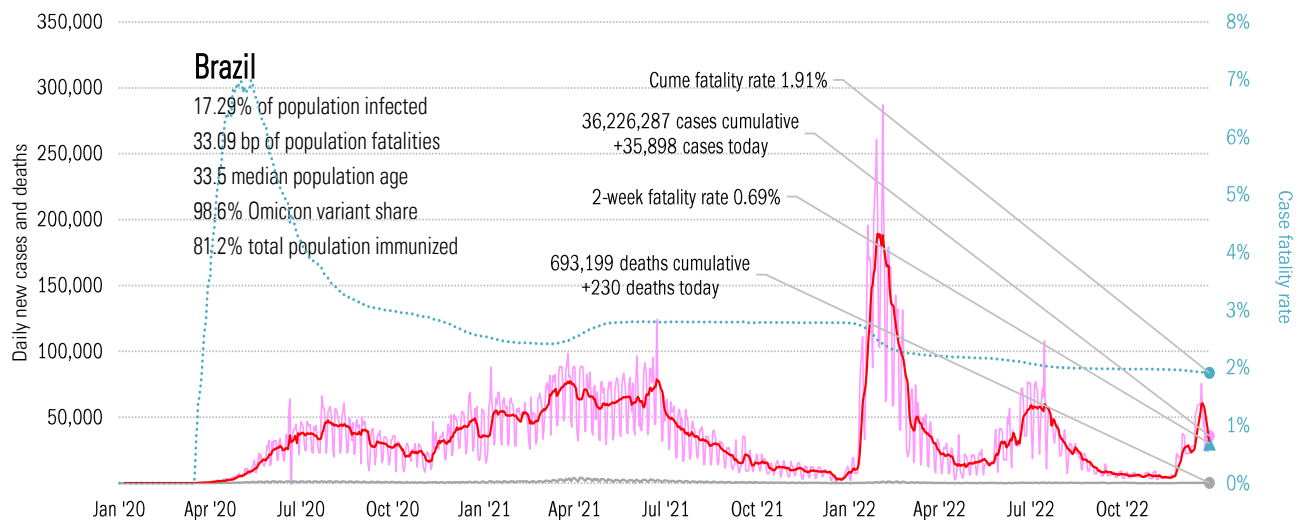
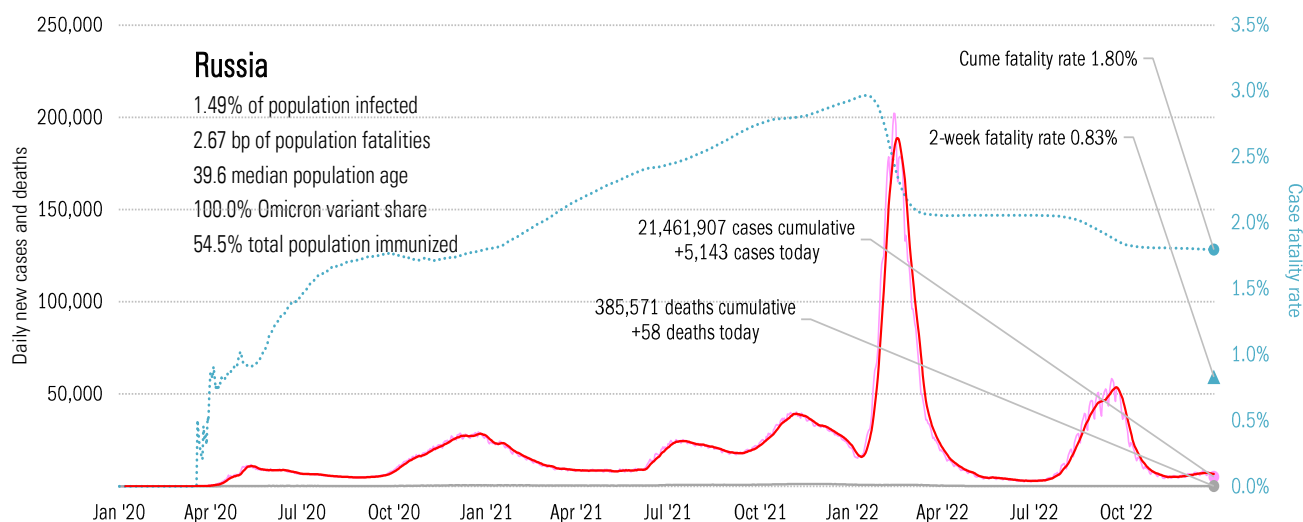
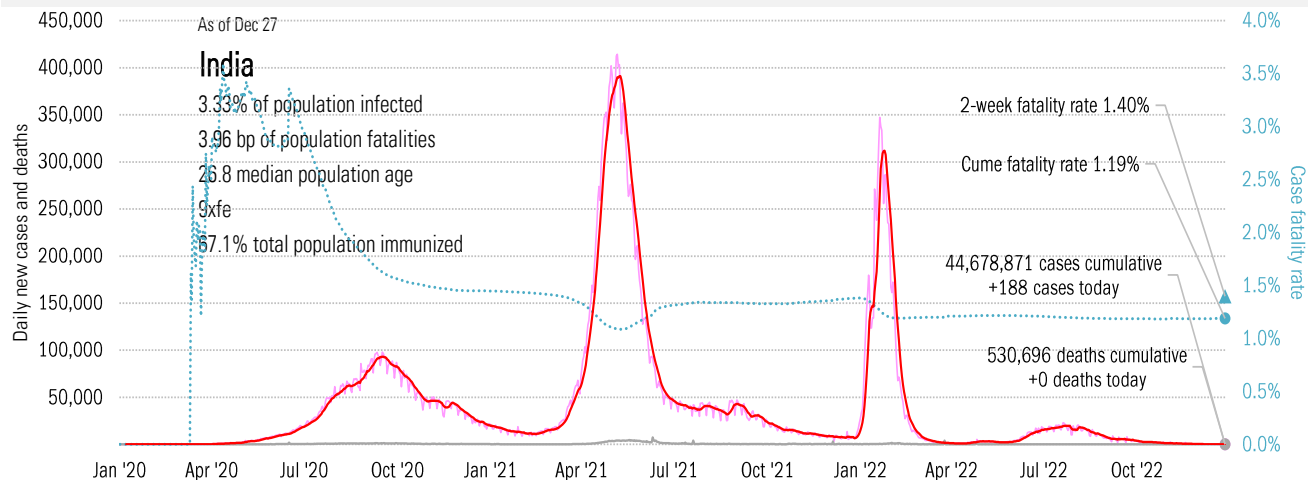
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

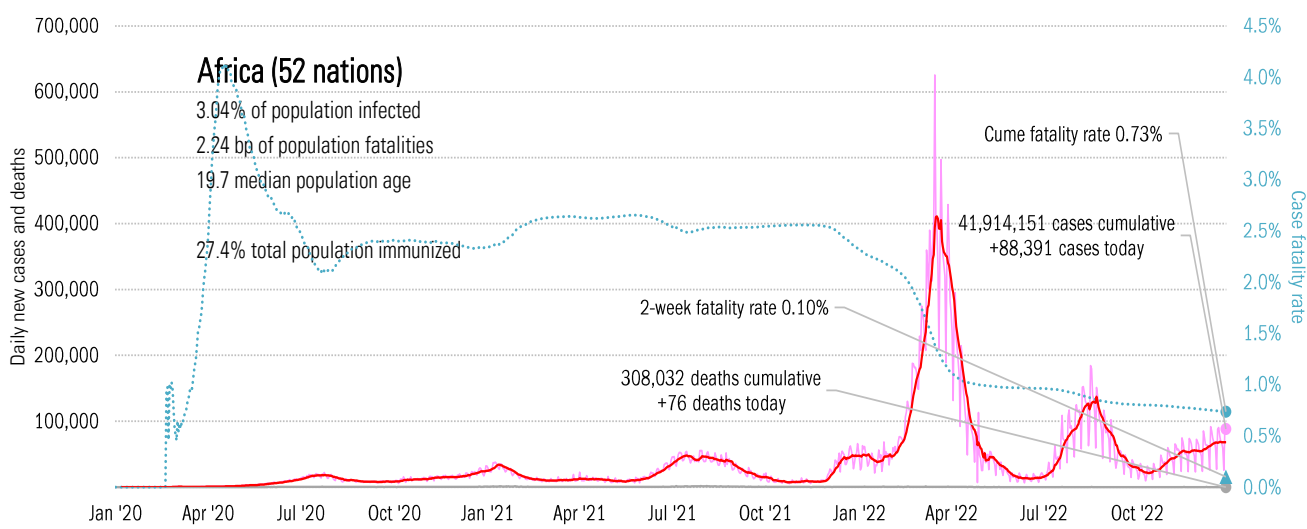
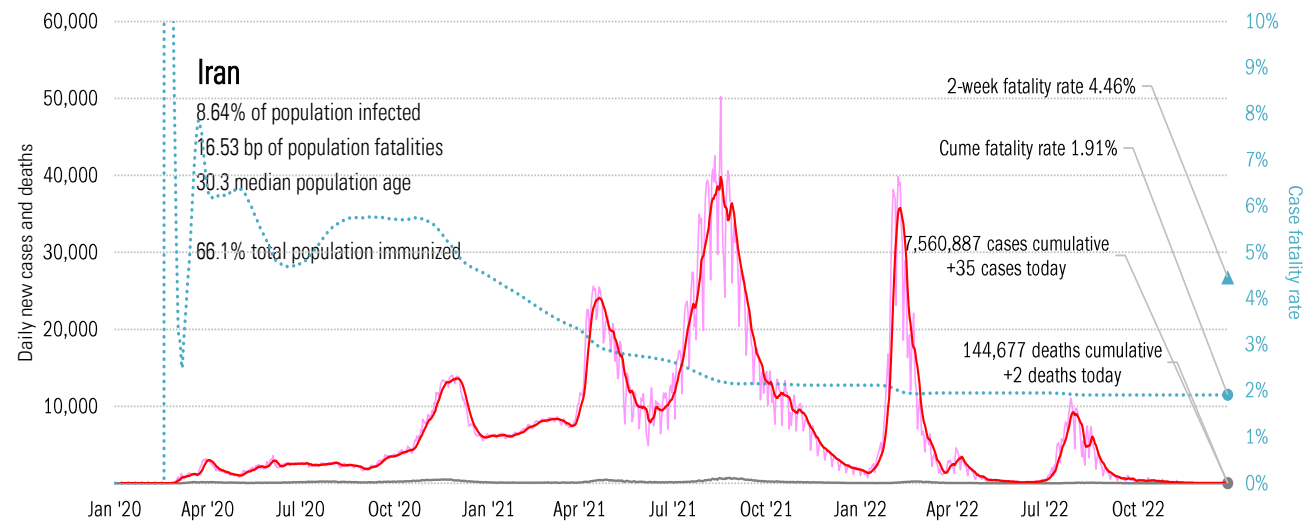
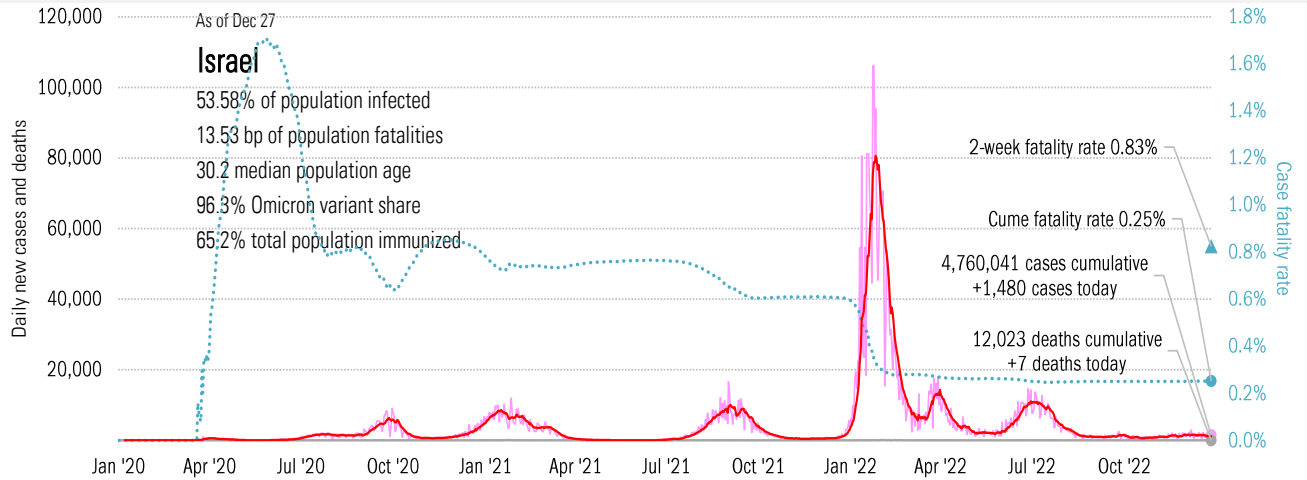
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

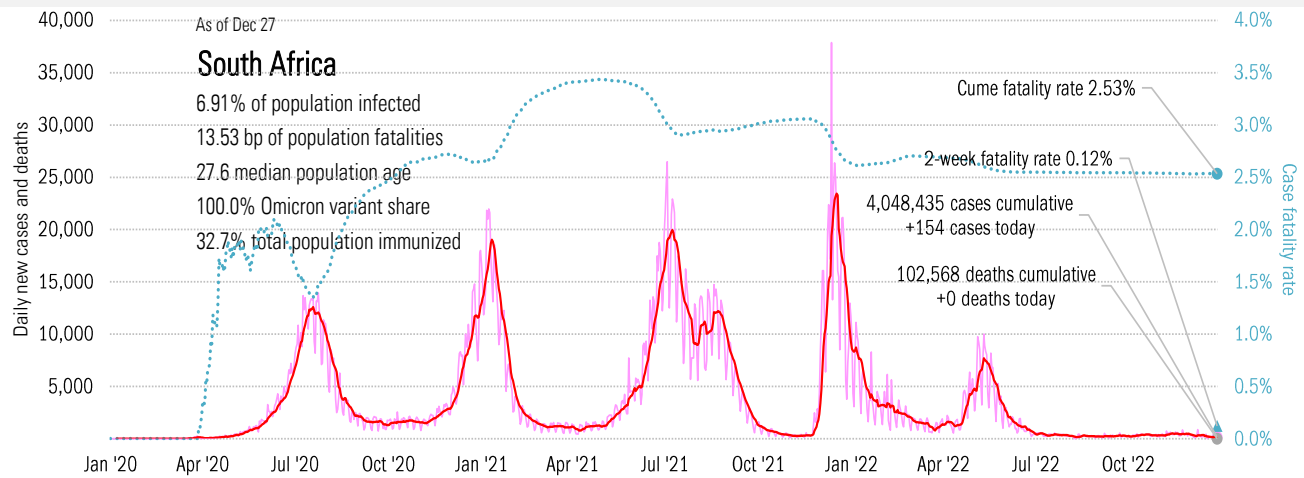
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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