

Data Insights: Covid-2019 Monitor

Wednesday, December 21, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

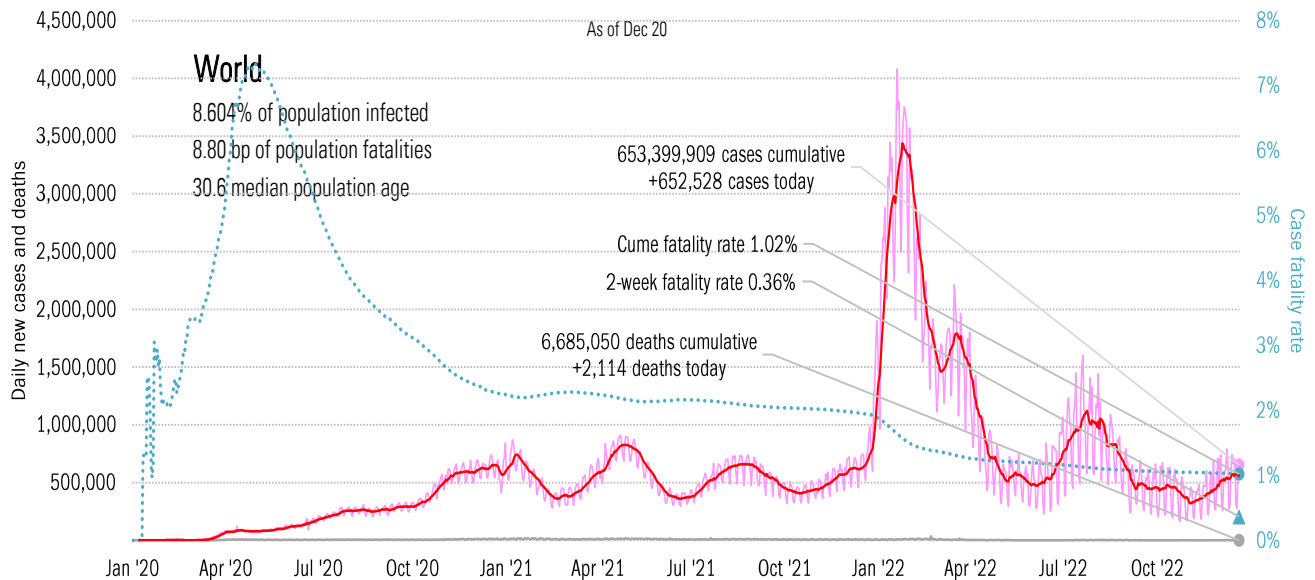
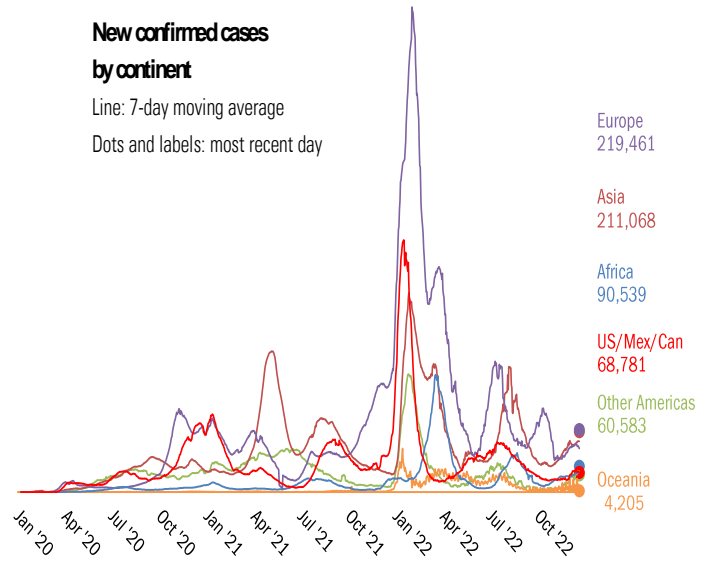
The worst ten countries

New cases		New Deaths	
Japan	187,070	United States	392
Korea, South	88,172	Brazil	239
France	71,858	Japan	231
United States	56,804	Germany	201
Brazil	56,697	Greece	165
Germany	52,528	France	130
Greece	47,750	Italy	103
Italy	24,947	Korea, South	59
Taiwan*	17,125	Belgium	56
Belgium	6,183	Russia	56
609,135		1,632	
World	652,528	World	2,114
Top ten	93%	Top ten	77%

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

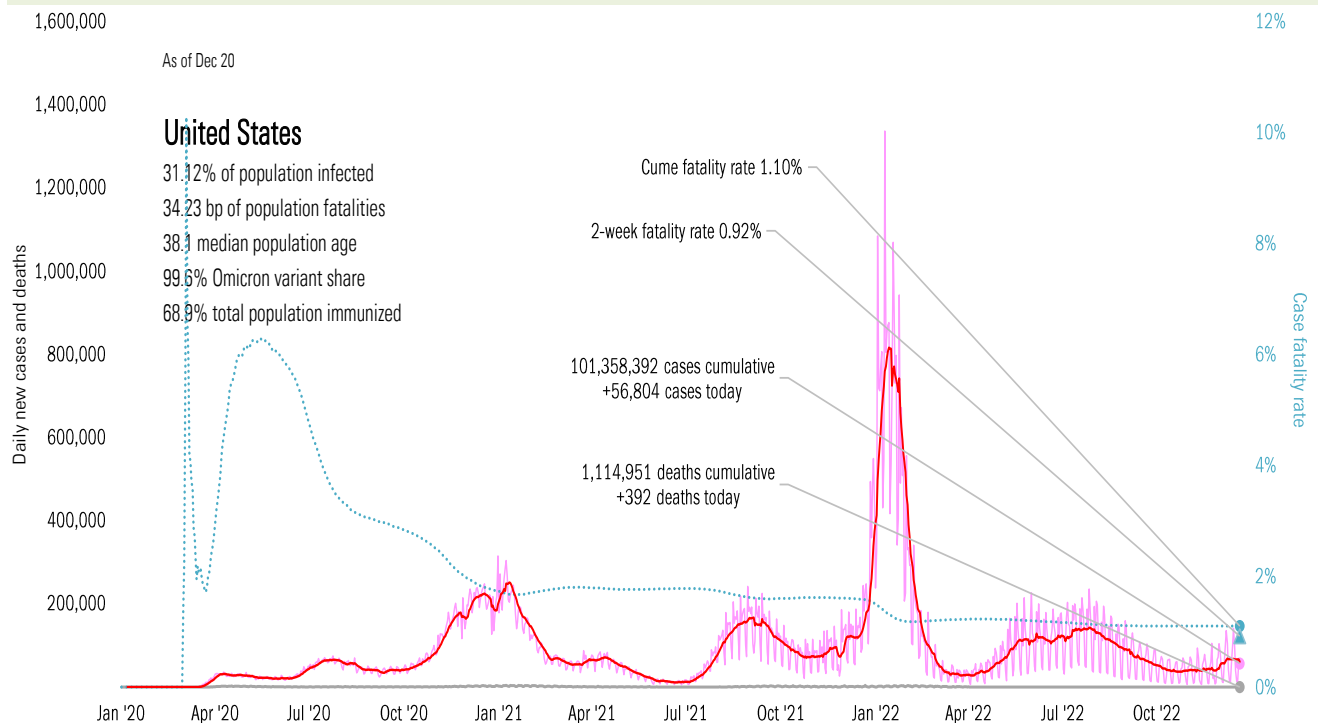
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
FL	6,079		NY	114		NY	562		CA	11,697,847		CA	98,110		TX	563,298		GA	118%	MA	87%
NY	5,856		CT	68		GA	186		TX	8,167,257		TX	91,606		CA	534,174		RI	89%	RI	86%
NJ	2,872		FL	58		DE	23		FL	7,312,963		FL	83,606		FL	509,744		MA	87%	TX	85%
IL	2,500		MI	21		WV	35		NY	6,510,662		NY	74,696		NY	330,413		WA	86%	NH	85%
CH	2,388		NJ	21		ME	14		IL	3,941,714		PA	48,662		CH	232,804		DE	85%	VT	85%
MD	2,277		CA	20		OK	60		PA	3,389,458		GA	41,244		GA	232,677		NH	85%	AK	83%
CA	2,237		PA	19		AL	59		NC	3,300,138		CH	40,747		PA	218,112		MO	84%	AL	83%
VA	2,133		IL	18		NE	28		CH	3,276,630		MI	40,657		IL	201,735		MD	82%	MO	83%
MI	2,046		WI	16		WY	5		MI	2,977,727		IL	40,543		MI	173,356		WV	82%	DC	81%
NC	1,884		MA	16		SC	65		GA	2,963,232		NJ	35,382		NJ	150,828		DC	81%	NM	81%
30,273			371			1,037			53,537,628			595,253			3,147,141						
All states	56,804			392			4,748		All states	101,358,392			1,114,951			5,713,601		All states	70%		67%
Top ten	53%			95%			22%		Top ten	54%			55%			55%		Median	77%		75%

Some states not reporting

Five most improved US states

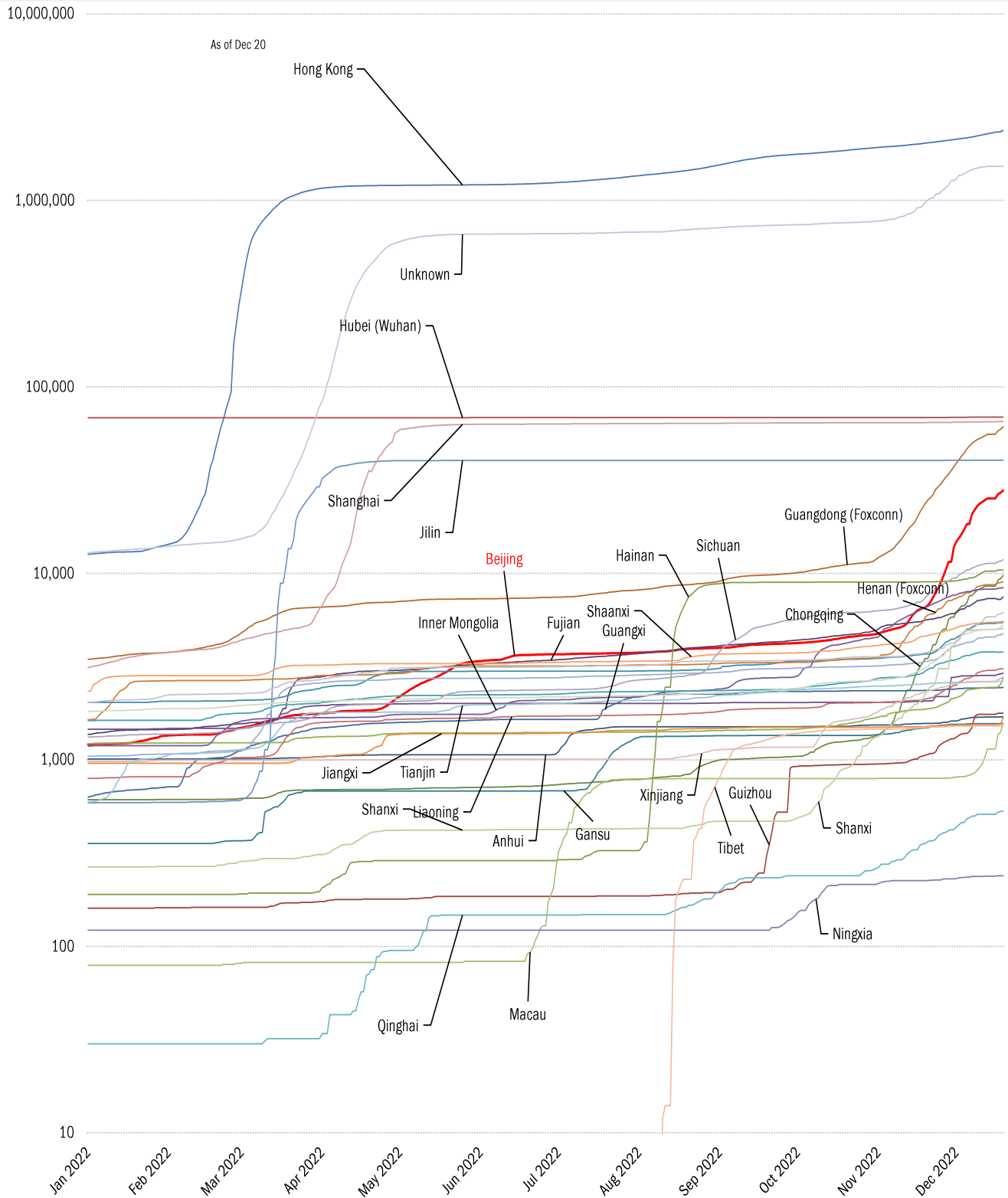
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-7,627	NJ	-17	NC	-135
IL	-6,579	IL	-5	TX	-125
VA	-2,505	TX	-2	IL	-119
NJ	-2,135	VA	-2	VA	-72
WI	-1,346	CO	-1	LA	-61



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"

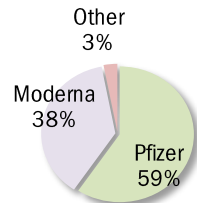


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	676,875,401		+0.181 million		US	68.9%	80.6%
			Of which boosters: +0.156 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%
Total population	276,286,091	83%	235,628,086	71%	+0.017 million	Spain	85.5%
Age 12 to 17	18,389,791	73%	15,747,323	62%	+0.001 million	Germany	76.2%
Age 18 to 64	183,774,685	90%	156,296,409	77%	+0.009 million	Italy	81.3%
Age 65 and over	60,871,211	100%	53,326,820	97%	+0.003 million	Australia	82.7%
						Israel	65.2%
						Canada	82.5%
						Japan	83.1%
						Africa	26.2%
						India	67.1%
						Brazil	80.9%
						China	89.4%



AK	72.7%
	64.9%

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

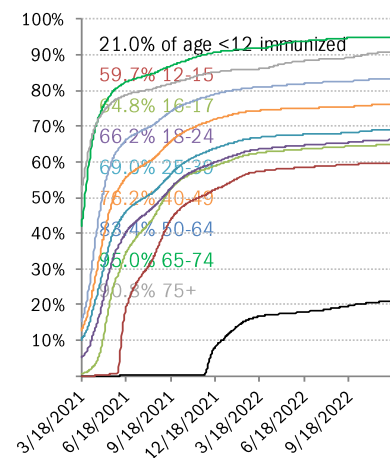
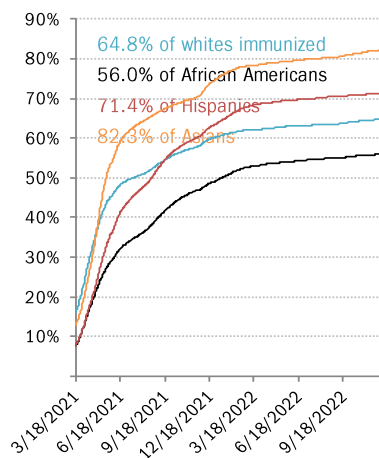
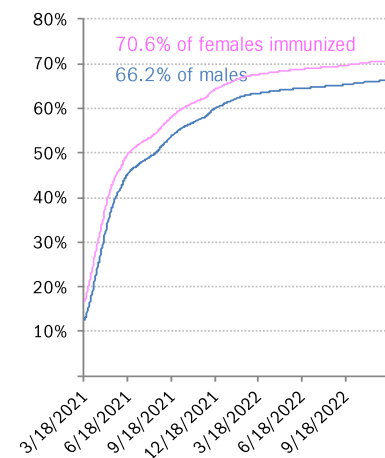
Best
Middle
Worst

"Immunity" = two doses

Global data differs due to sources, timing

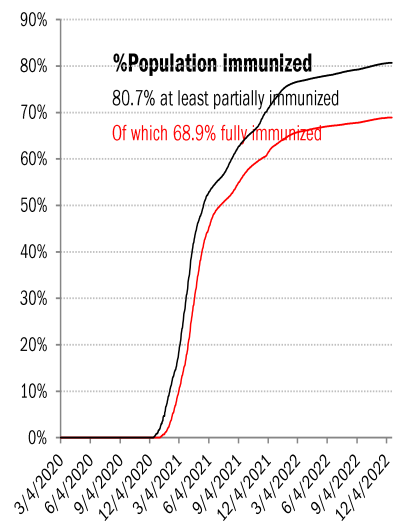
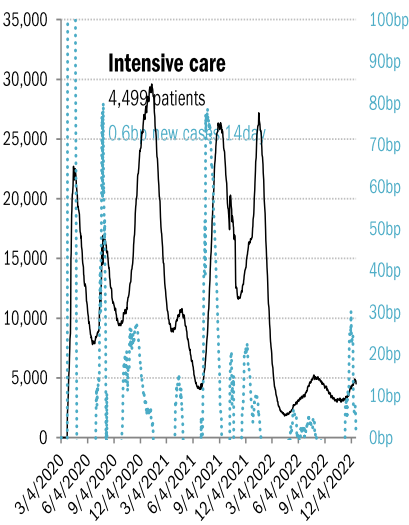
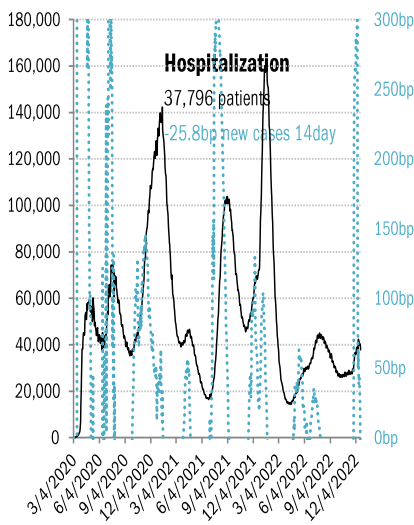
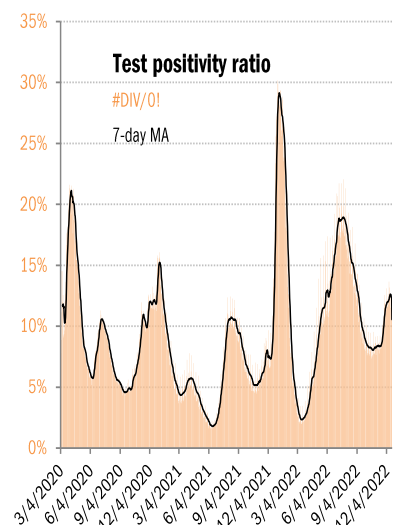
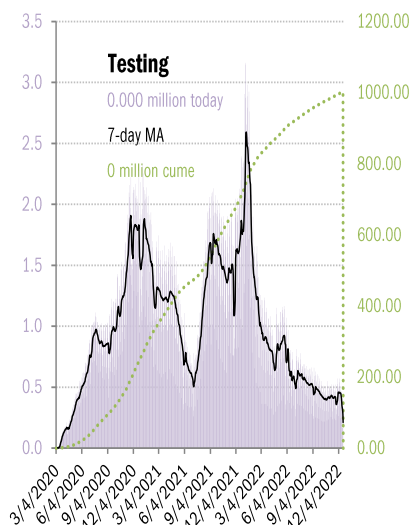
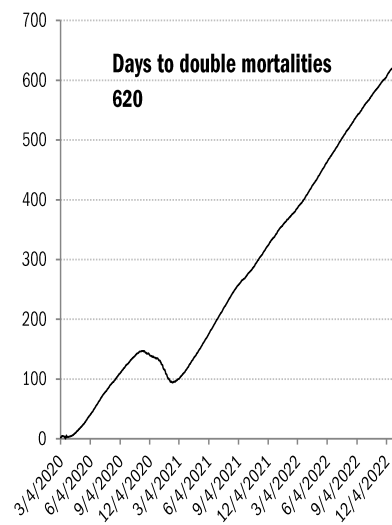
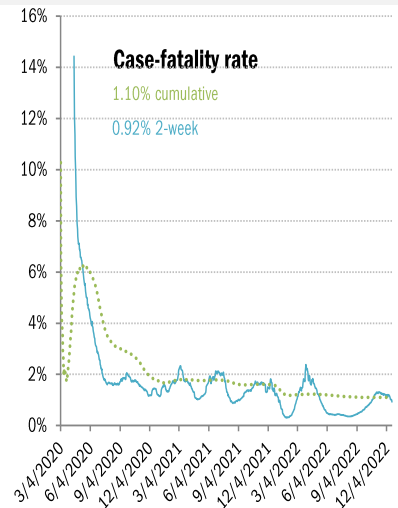
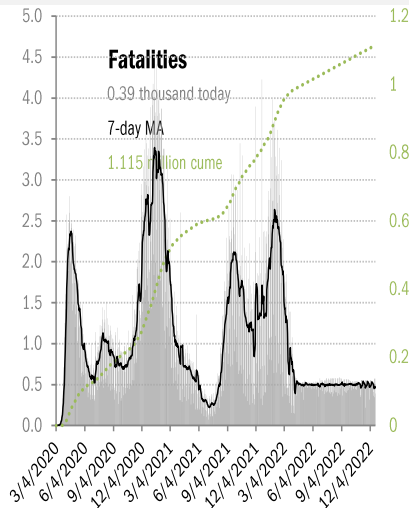
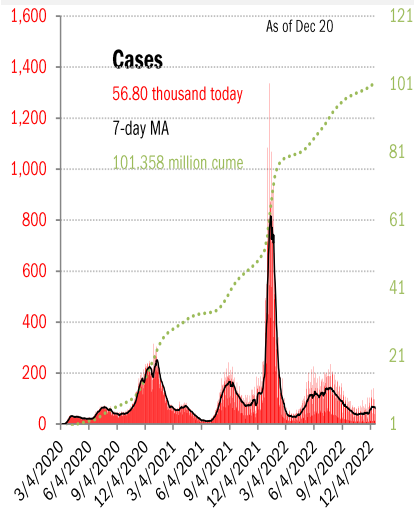
State	At least partial immunity as % population	Full immunity as % population
AK	72.7%	64.9%
WI	74.8%	67.9%
ME	95.0%	82.9%
NY	93.9%	80.3%
VT	95.0%	85.1%
NH	87.3%	71.4%
WA	84.7%	75.6%
ID	63.6%	56.2%
MT	68.0%	58.9%
ND	69.0%	58.3%
MN	78.4%	71.8%
IL	78.8%	71.0%
MI	69.2%	62.1%
OR	81.1%	72.0%
NV	77.1%	63.4%
WY	60.6%	52.8%
SD	83.3%	65.9%
IA	70.3%	64.1%
IN	64.1%	57.5%
OH	65.4%	60.2%
PA	89.9%	72.8%
NJ	94.1%	78.7%
MA	95.0%	83.7%
CA	84.2%	74.3%
UT	74.9%	66.4%
CO	83.3%	73.2%
NE	73.0%	65.9%
MO	69.0%	58.7%
KY	68.5%	59.3%
WV	67.2%	59.5%
VA	90.3%	76.2%
MD	91.1%	79.2%
CT	95.0%	82.6%
RI	95.0%	87.2%
AZ	76.9%	65.7%
NM	93.6%	74.7%
KS	75.8%	64.9%
AR	69.5%	56.6%
TN	64.2%	56.1%
NC	91.3%	66.6%
SC	70.6%	59.6%
DC	95.0%	85.1%
DE	87.6%	72.9%
OK	74.2%	60.1%
LA	62.6%	54.9%
MS	61.4%	53.5%
AL	64.8%	53.0%
GA	68.0%	57.0%
HI	91.0%	81.2%
TX	75.9%	63.0%
FL	82.0%	69.1%
PR	95.0%	86.7%

The demographics of US vaccination



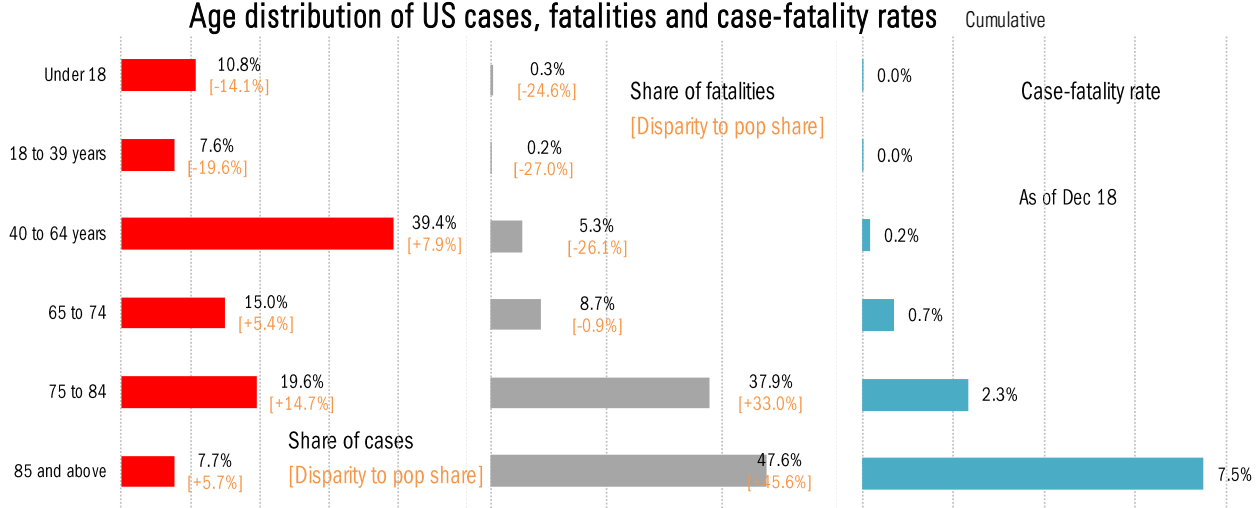
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

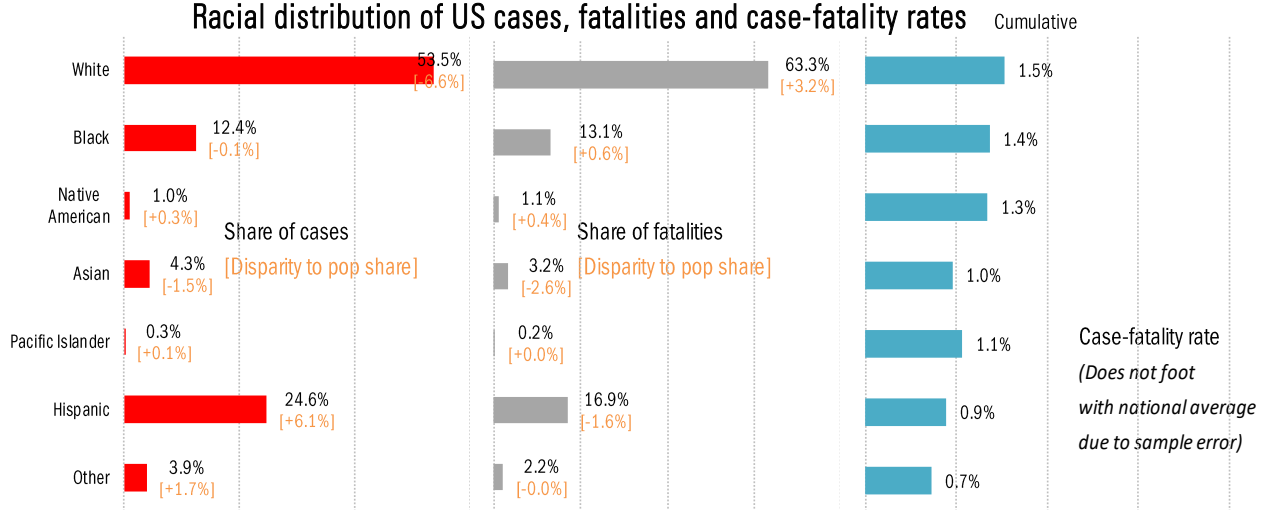


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

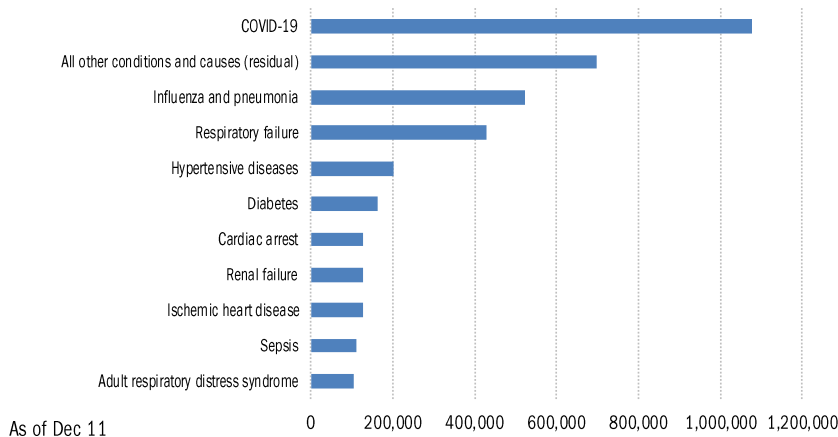


Racial distribution of US cases, fatalities and case-fatality rates



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 Useful Covid Lesson](#)

Holman W. Jenkins, Jr.
Wall Street Journal
December 20, 2022

[Does Zero Covid's End Mean China Is Running Out of Money?](#)

Simone Gao
Wall Street Journal
December 20, 2022

[SARS-CoV-2 Infection, Hospitalization, and Death in Vaccinated and Infected Individuals by Age Groups in Indiana, 2021–2022](#)

Wanzhu Tu et al.
American Journal of Public Health
January 2023

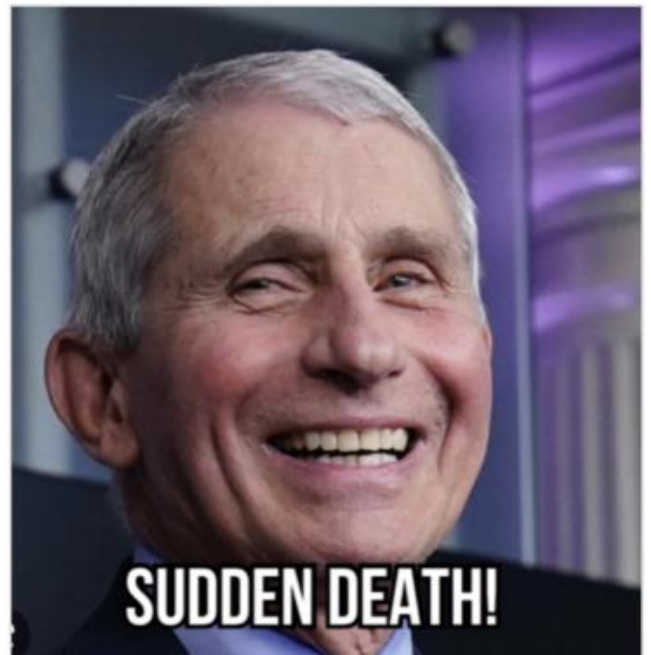
[Effectiveness of the Coronavirus Disease 2019 \(COVID-19\) Bivalent Vaccine](#)

Nabin K. Shrestha, et al.
medRxiv
December 17, 2022

[URGENT: Two new studies show mRNA-jabbed people have a much higher risk of getting Covid than unvaccinated people](#)

Alex Berenson
Unreported Truths
December 20, 2022

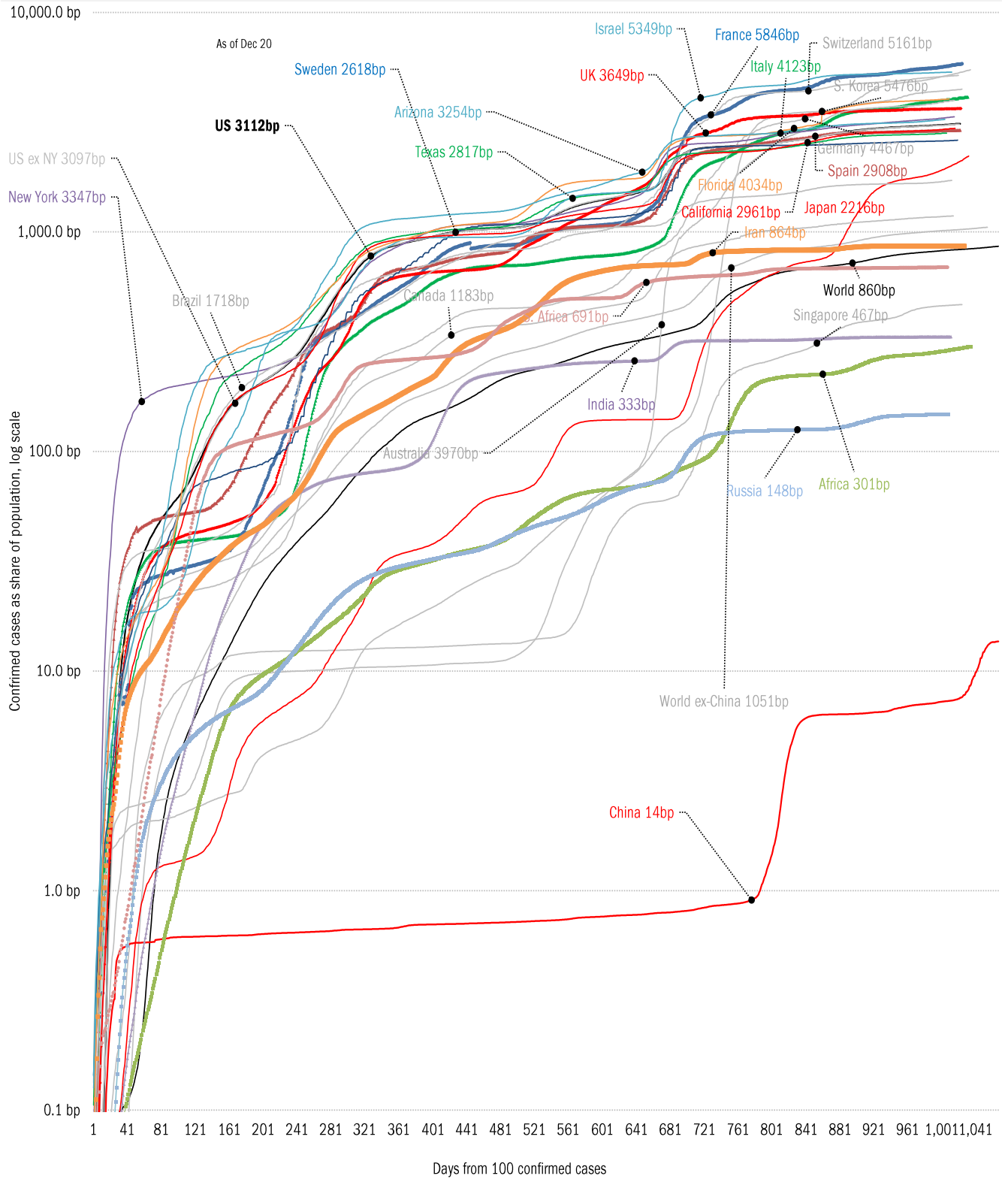
Meme of the Day



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

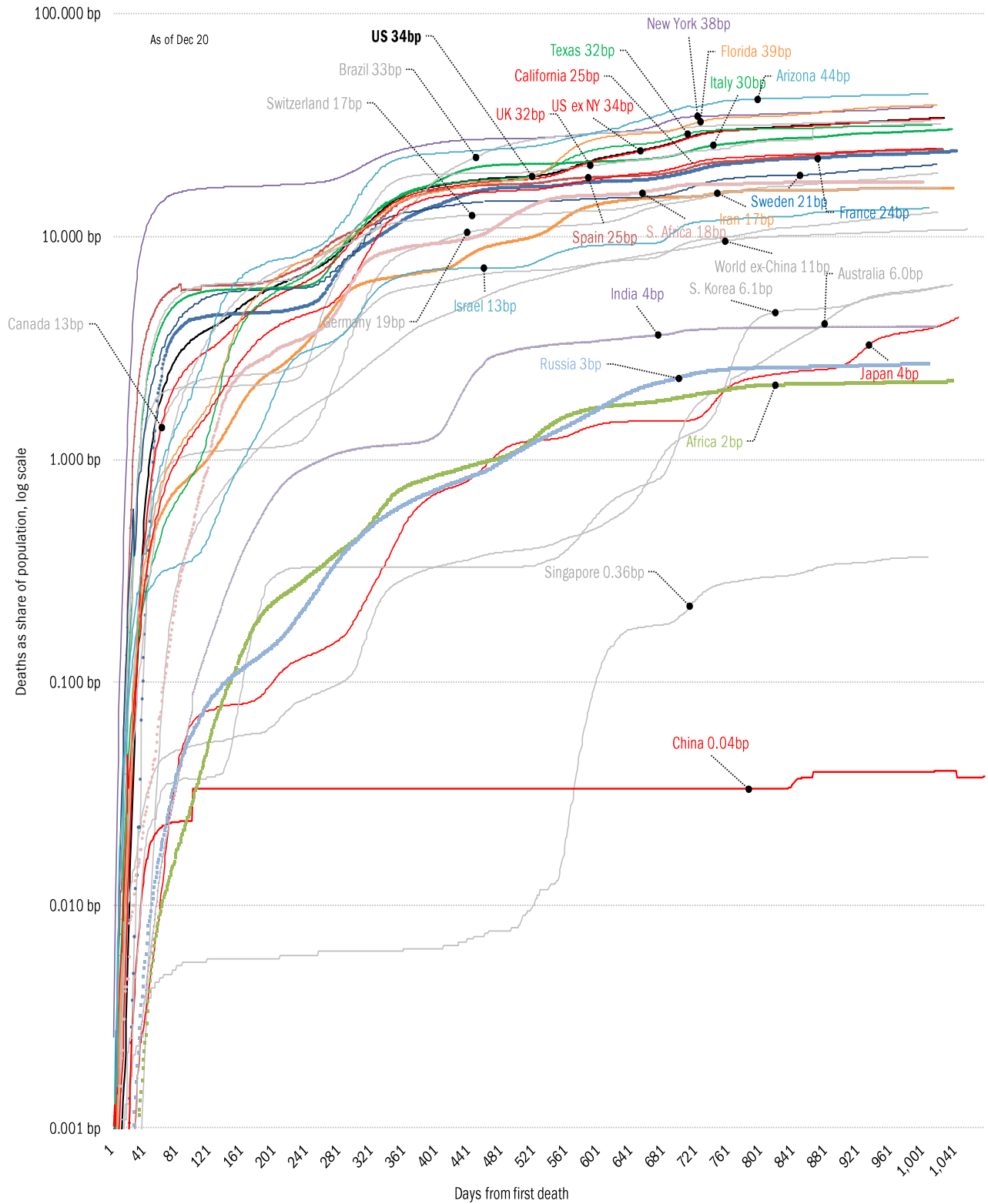
The global coronavirus case accelerometer... tracking the world's infection curves

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

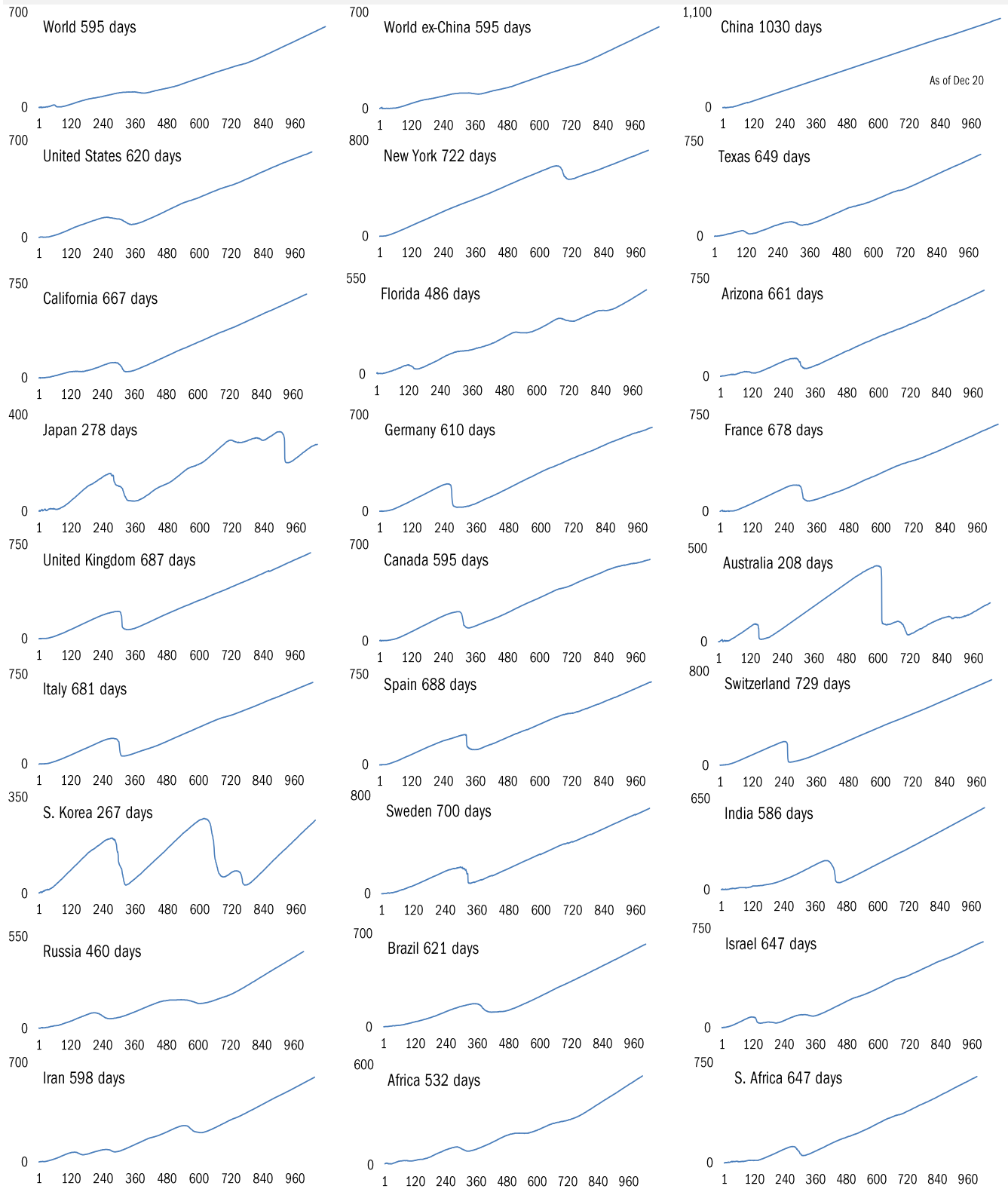


Source: [Johns Hopkins](#), TrendMacro calculations

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

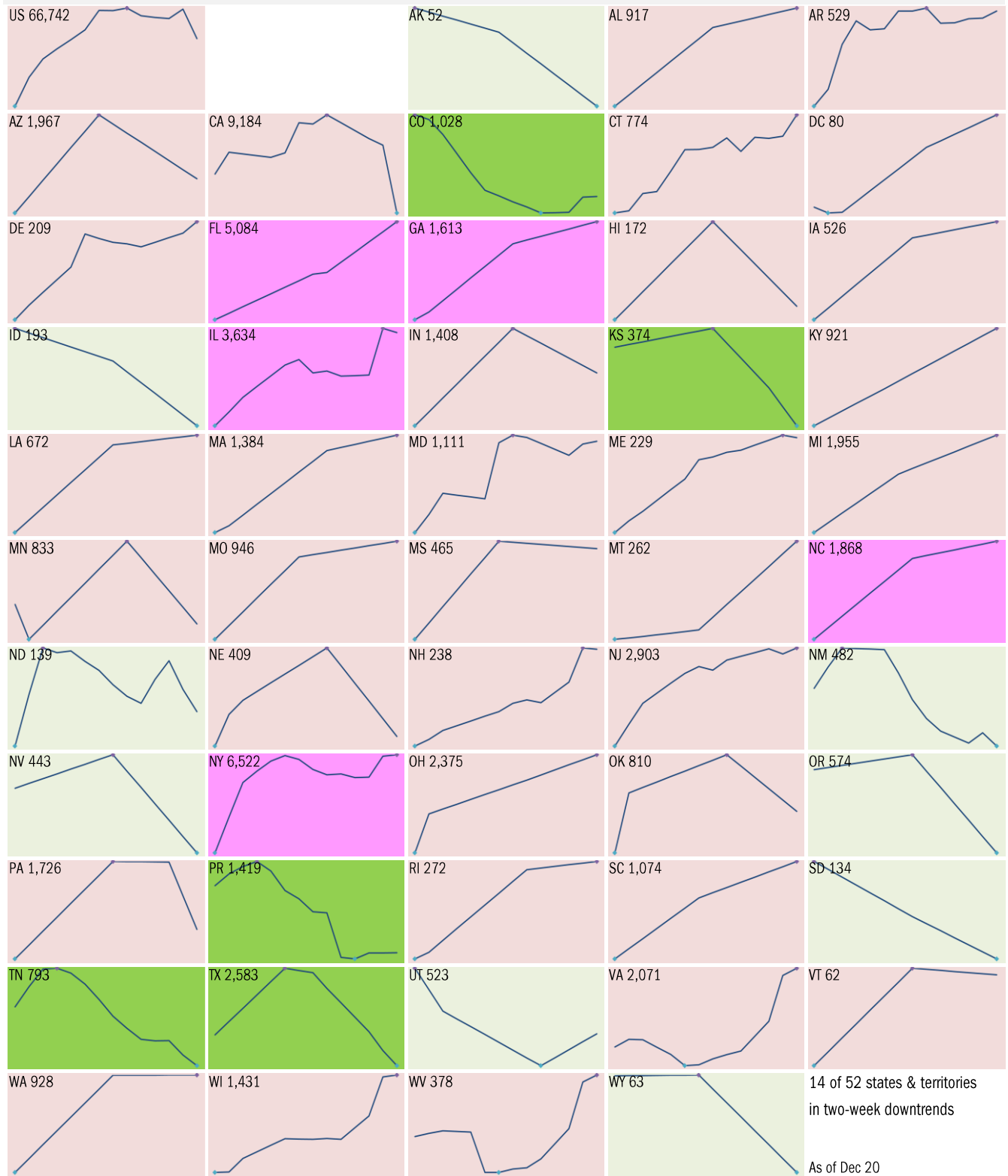


Source: [Johns Hopkins](#), TrendMacro calculations

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

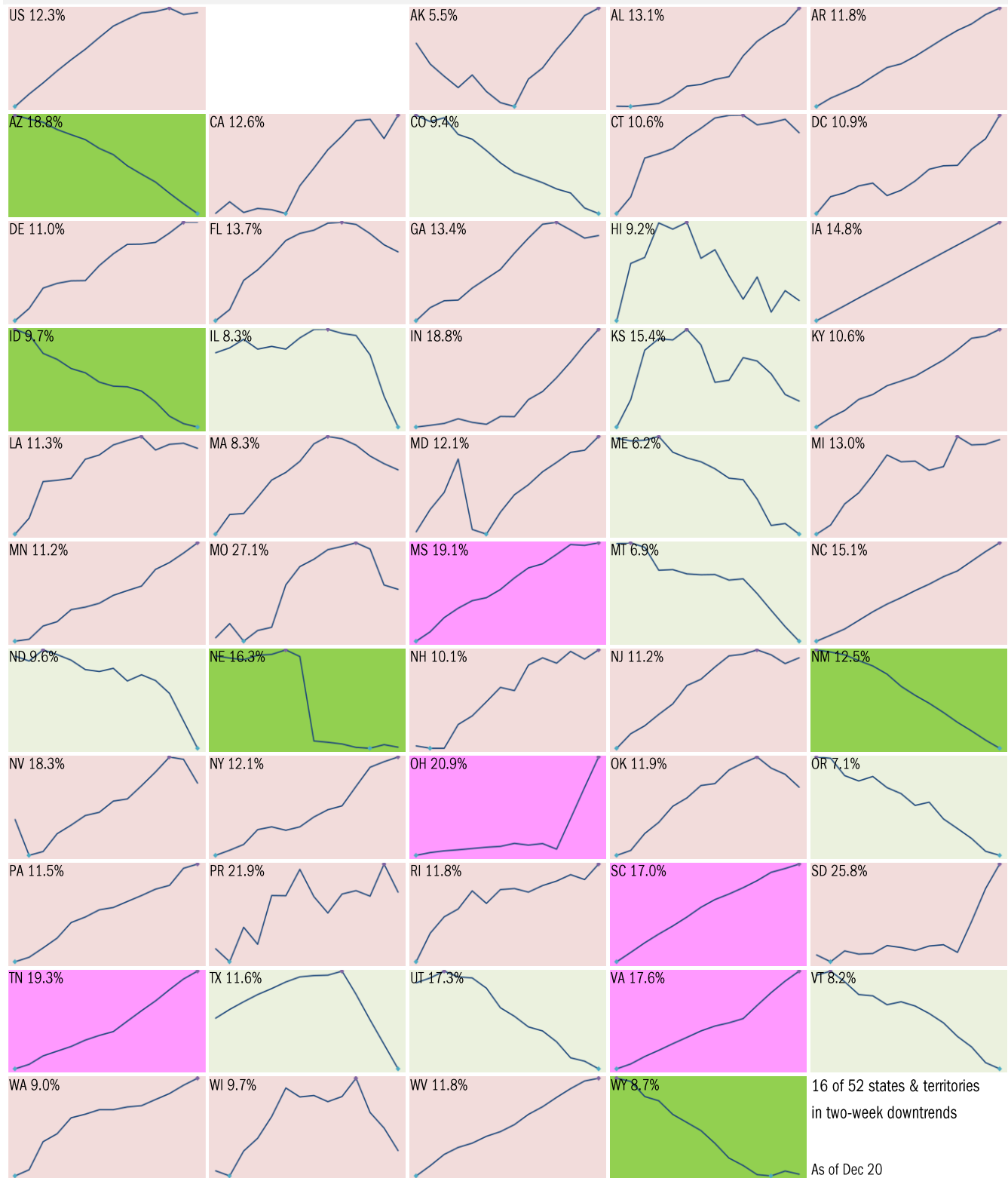


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

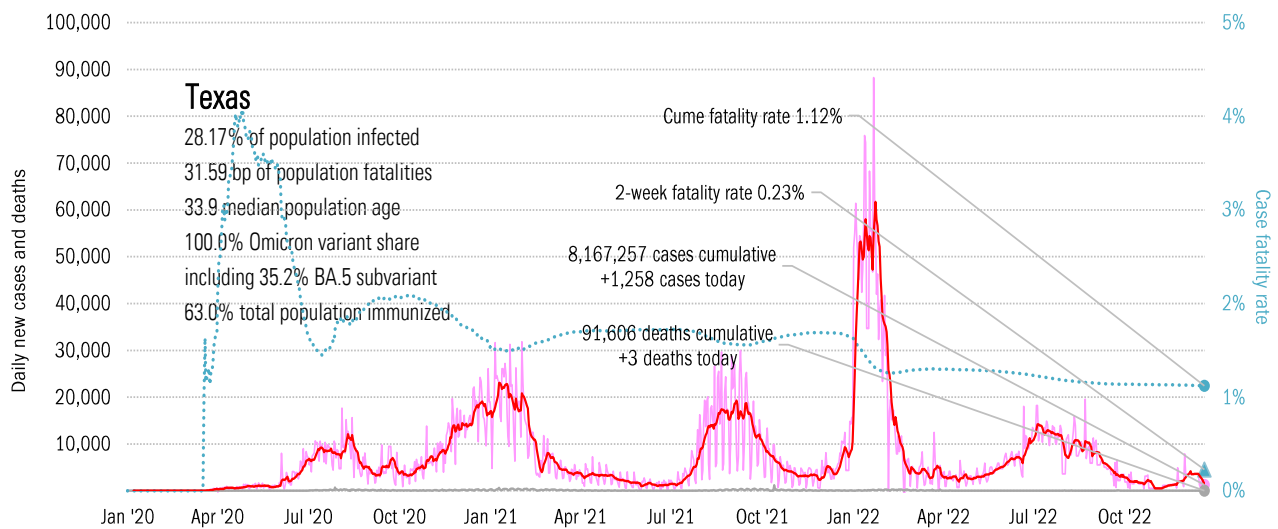
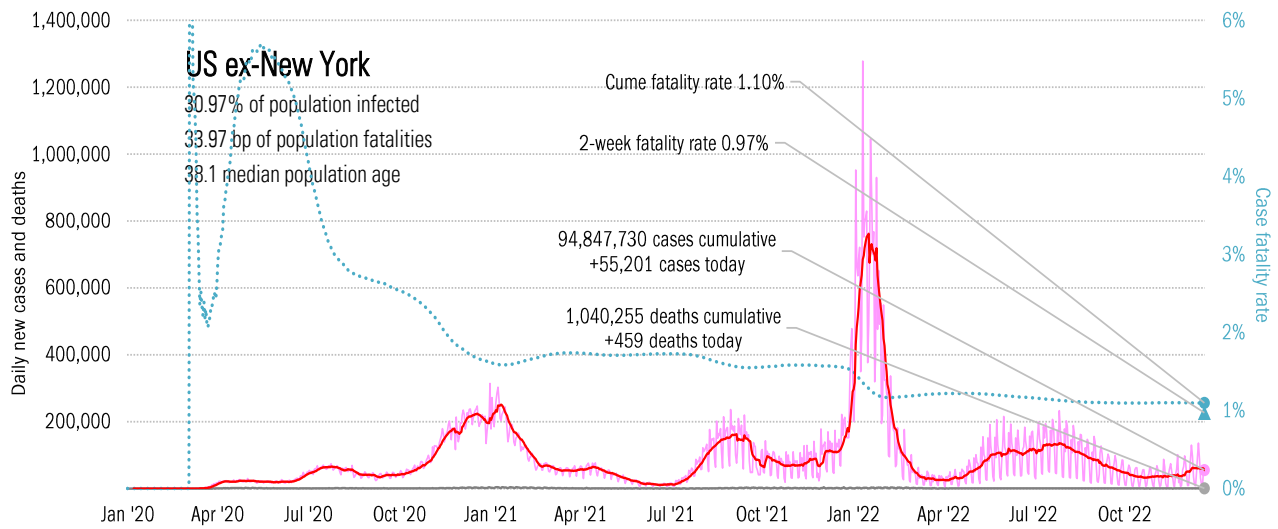
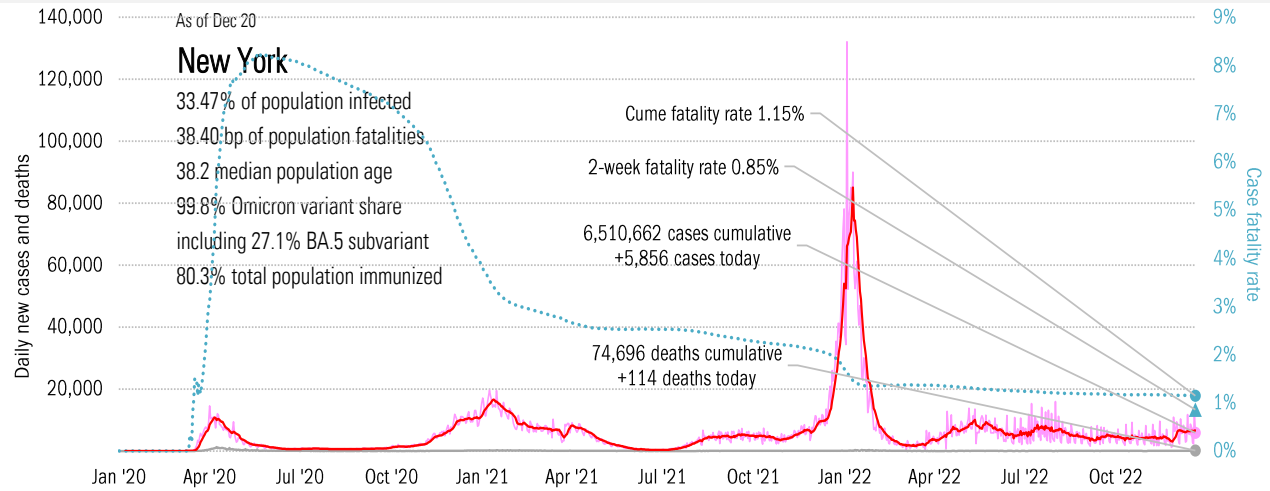
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

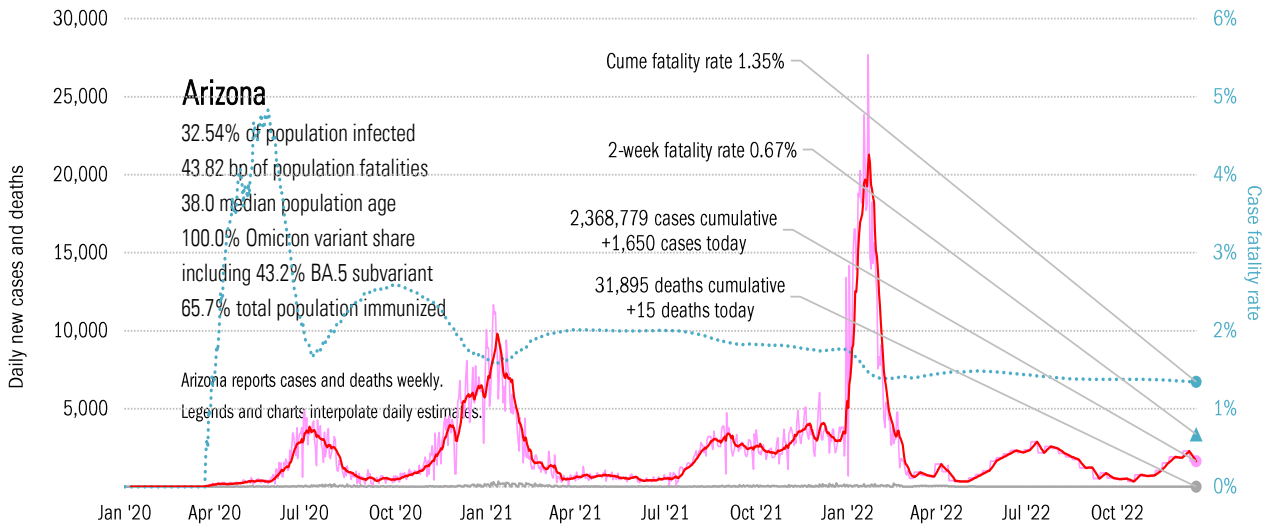
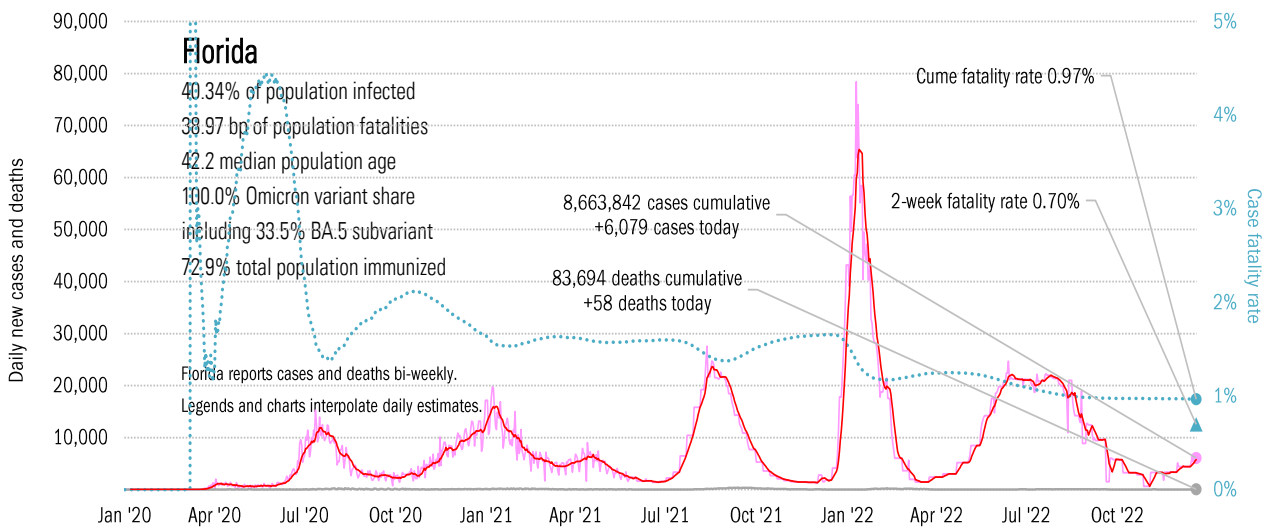
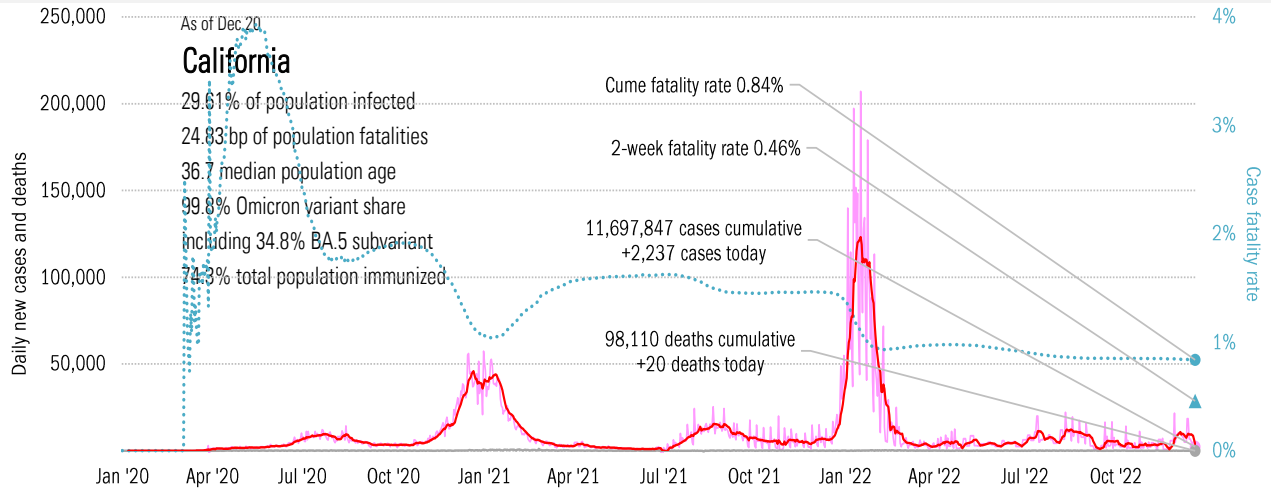
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

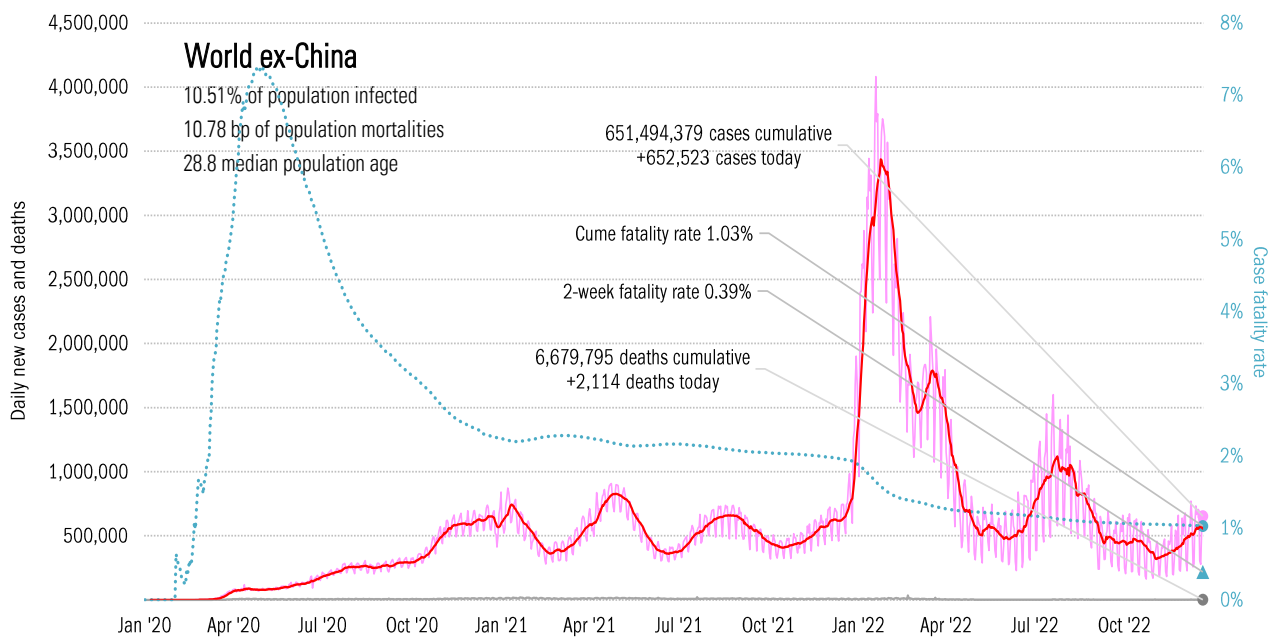
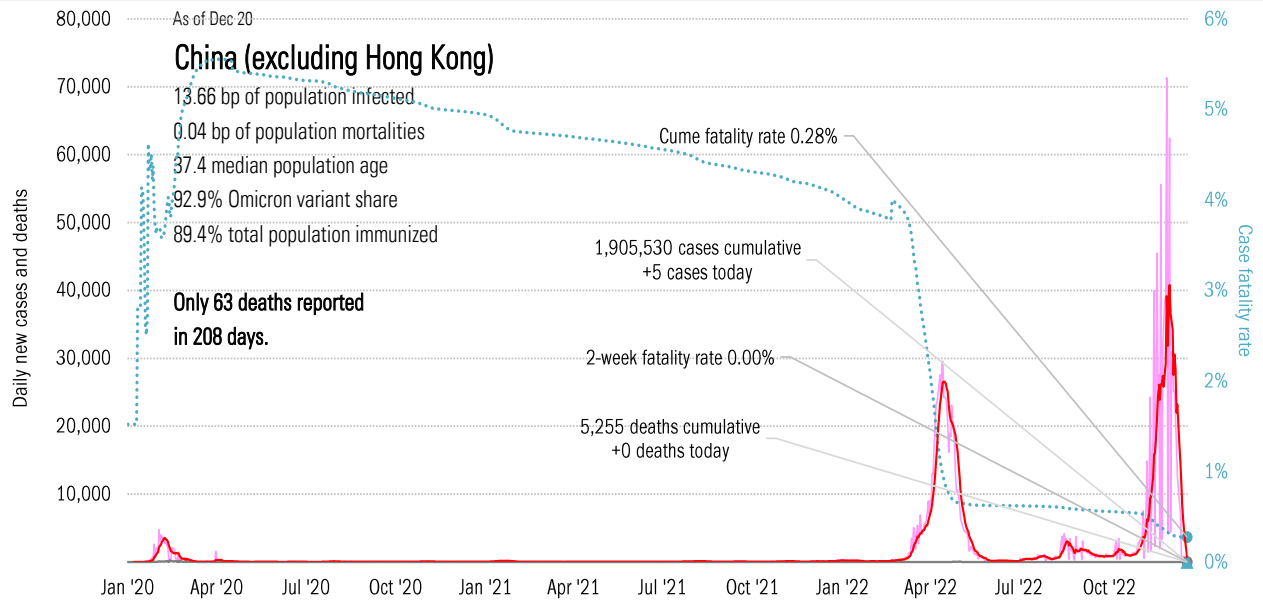
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

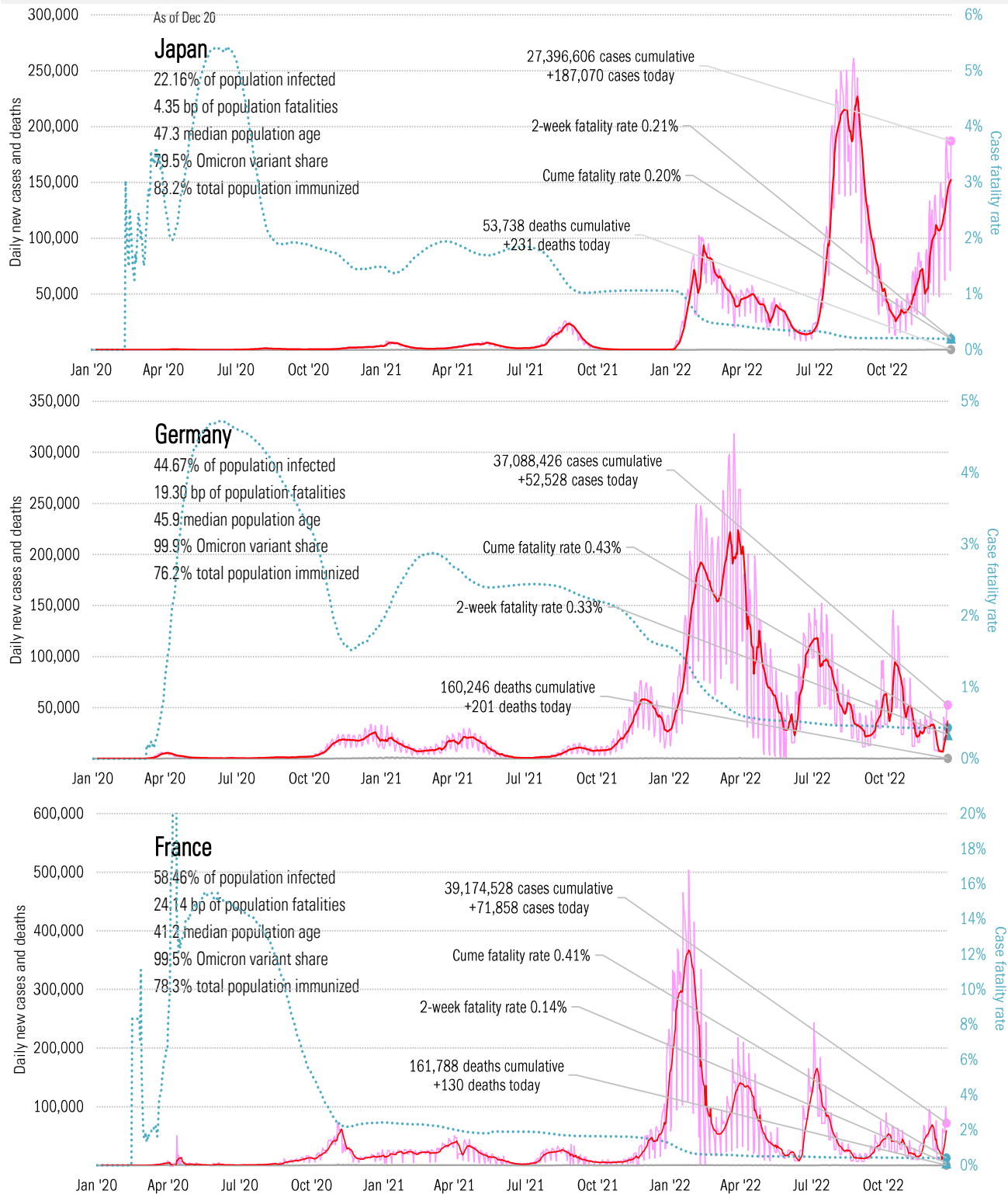
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

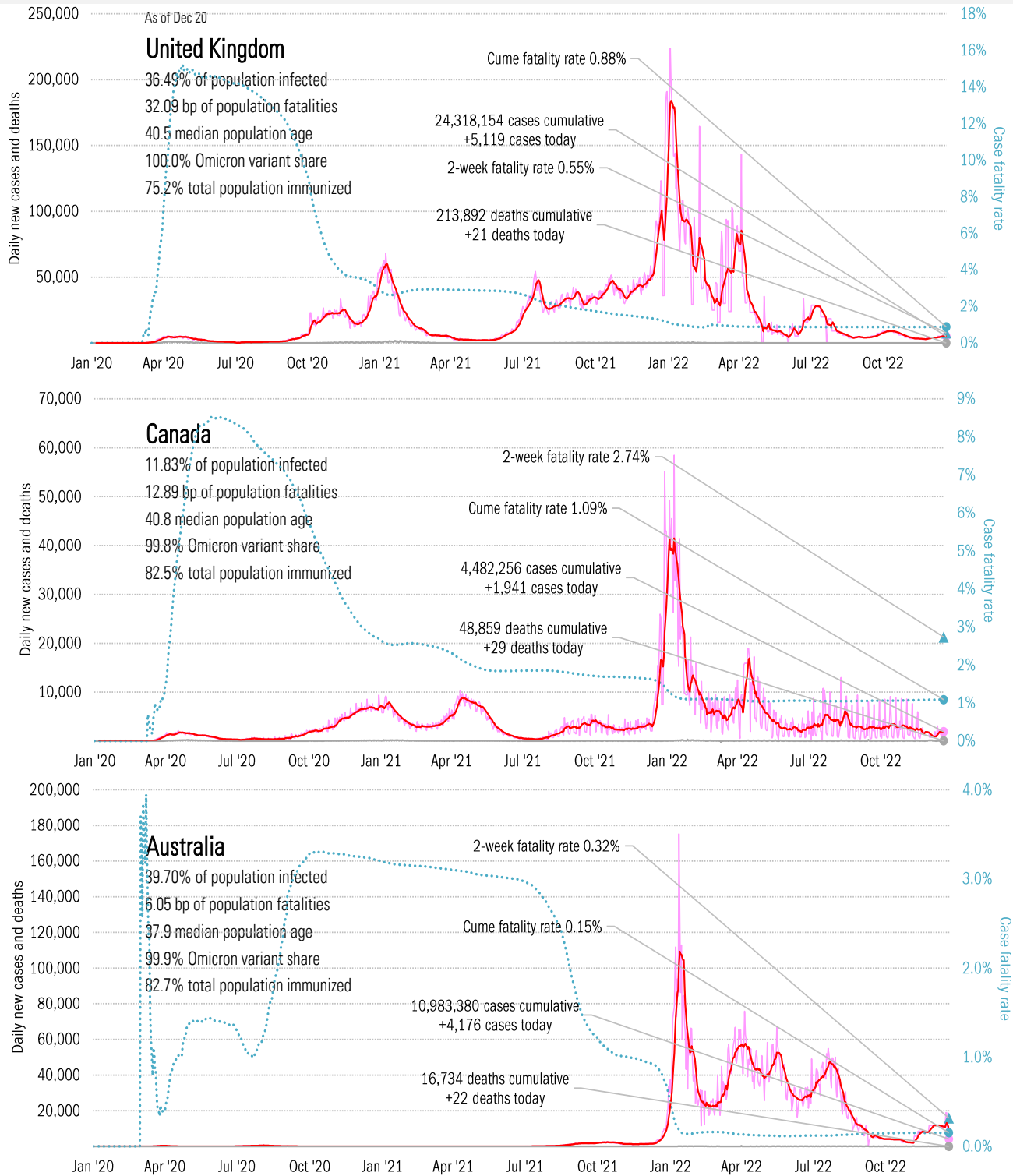
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

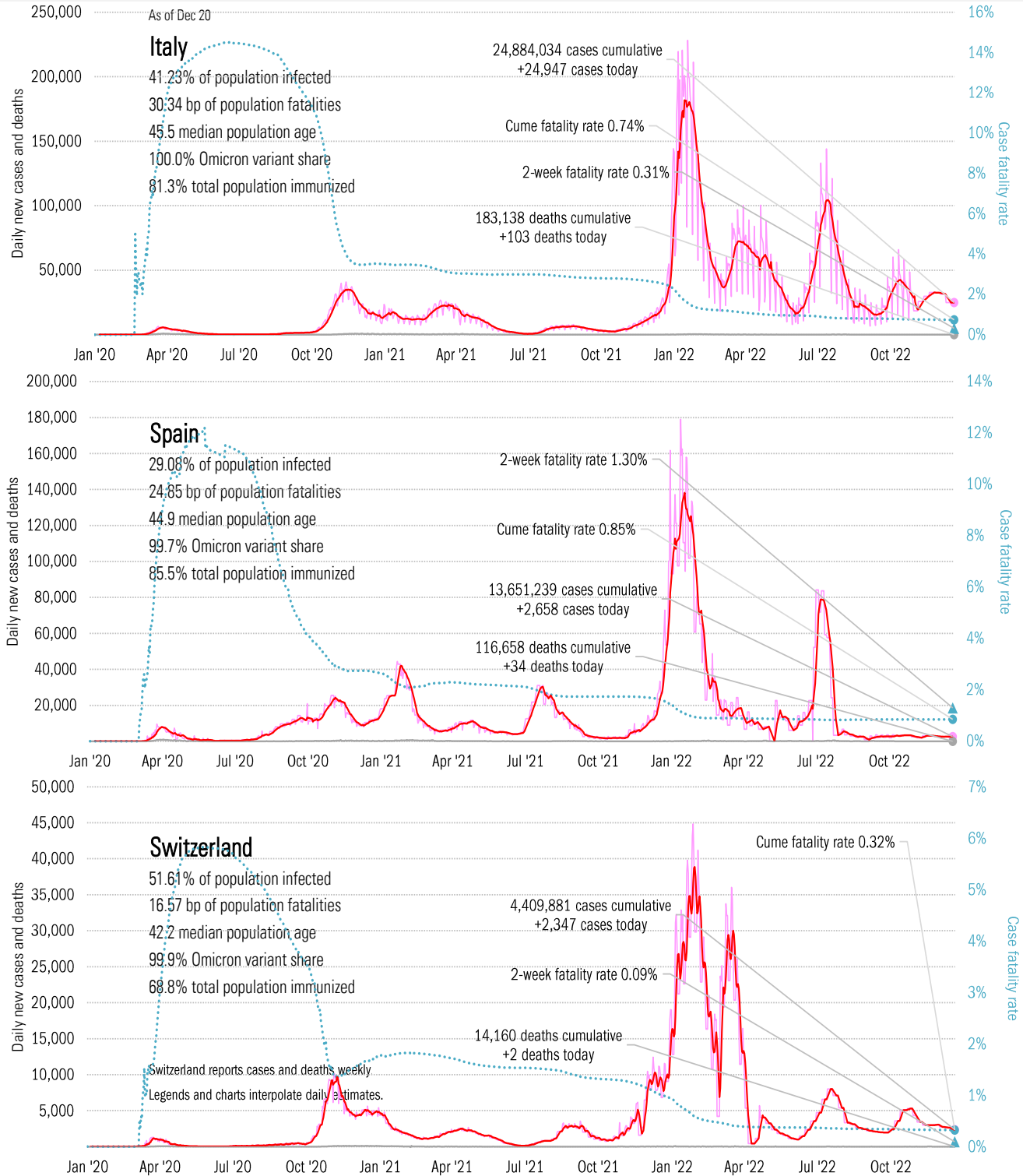
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

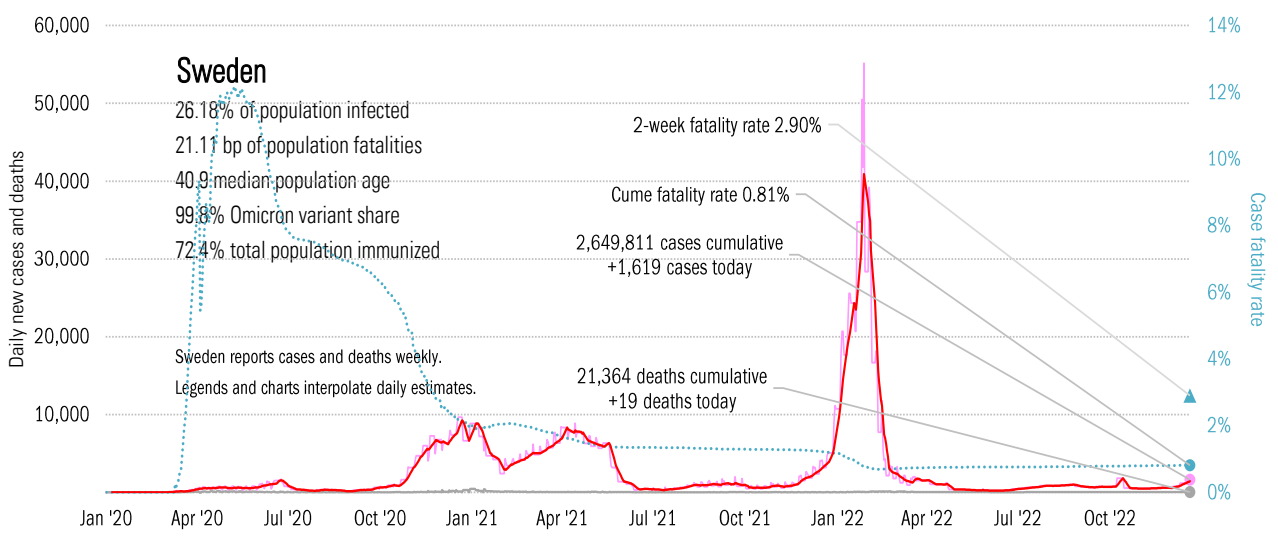
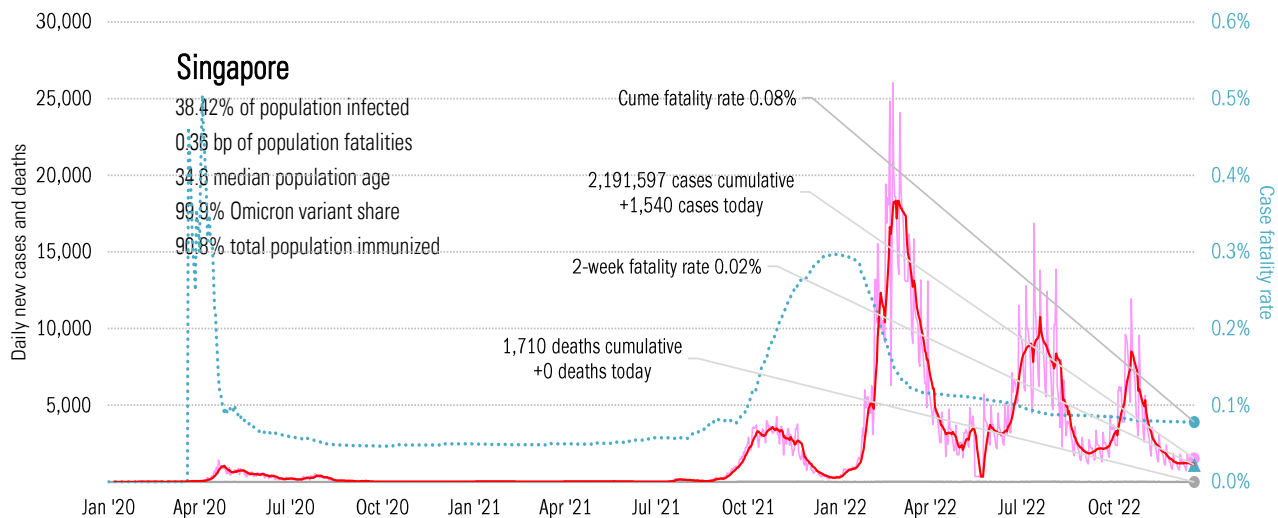
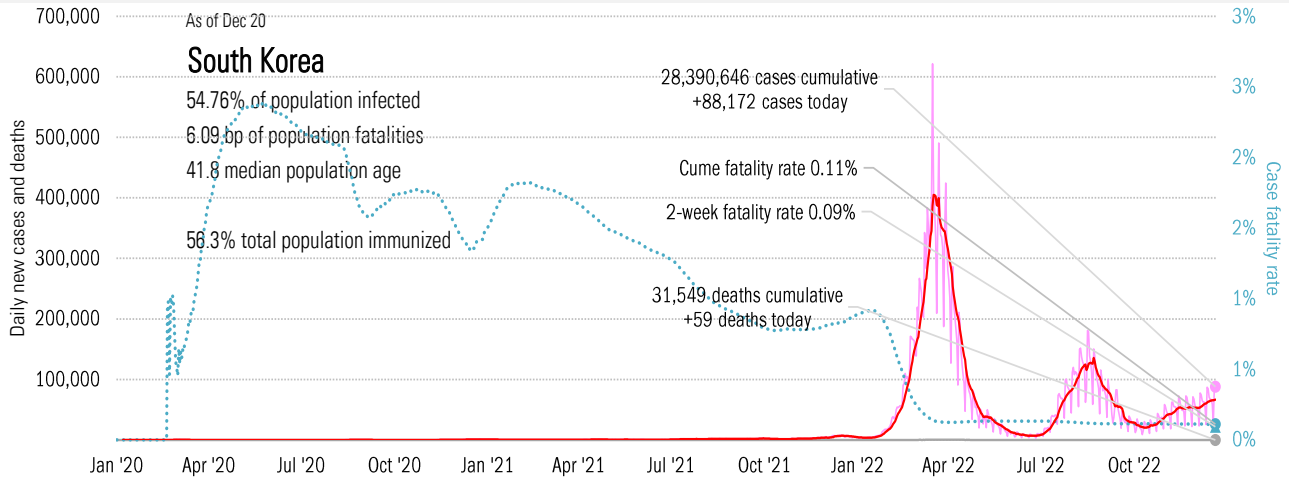
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

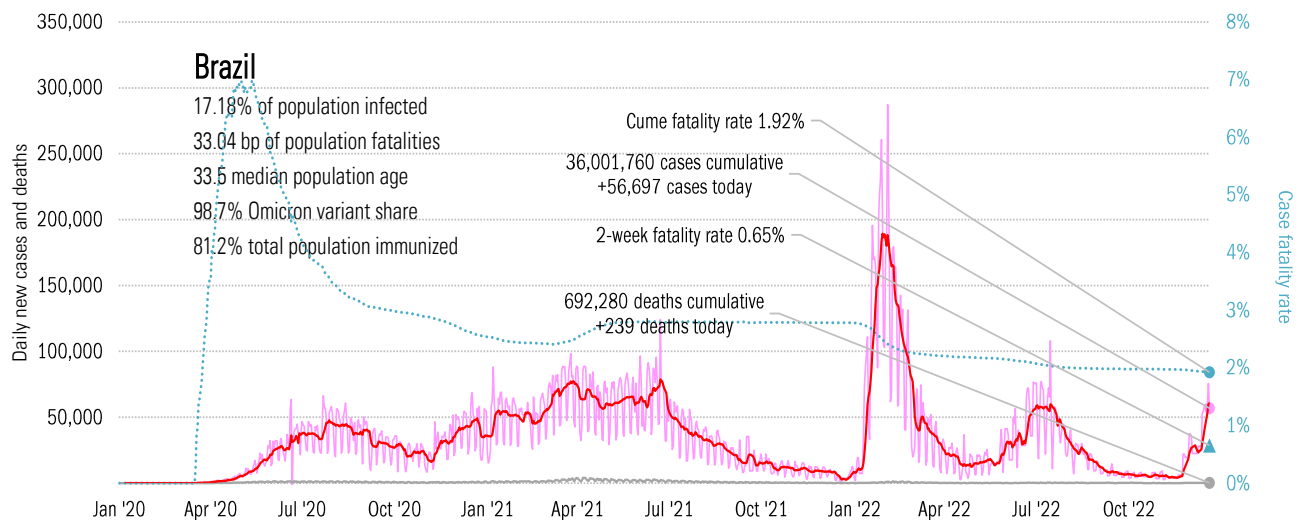
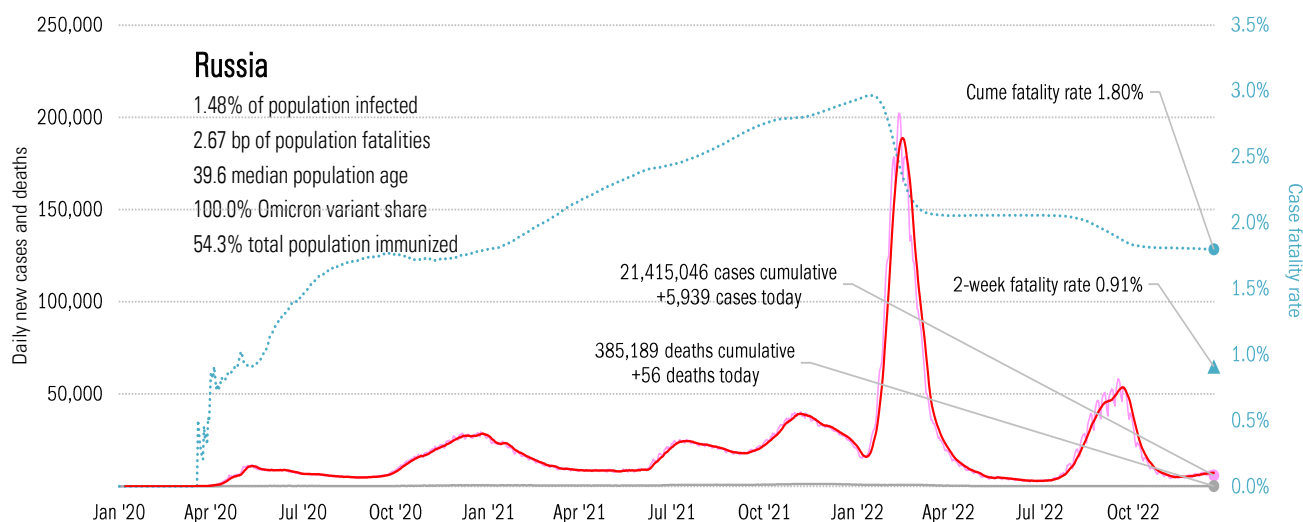
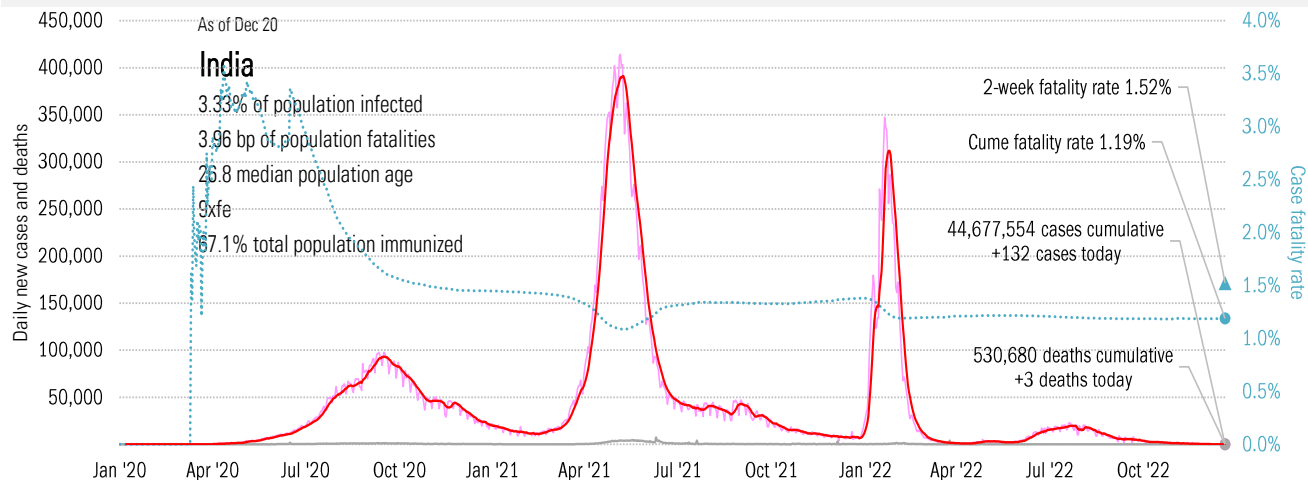
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

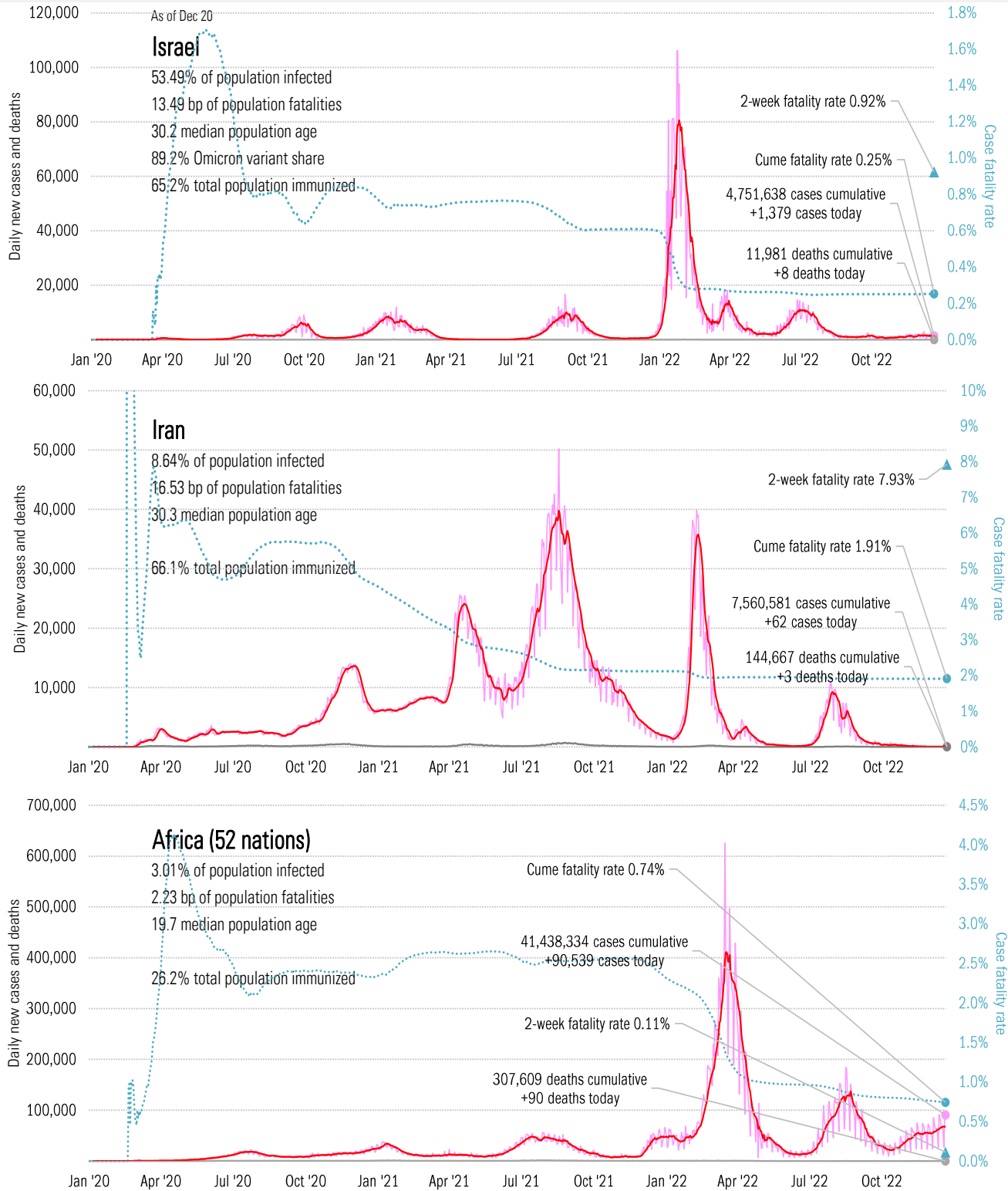
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

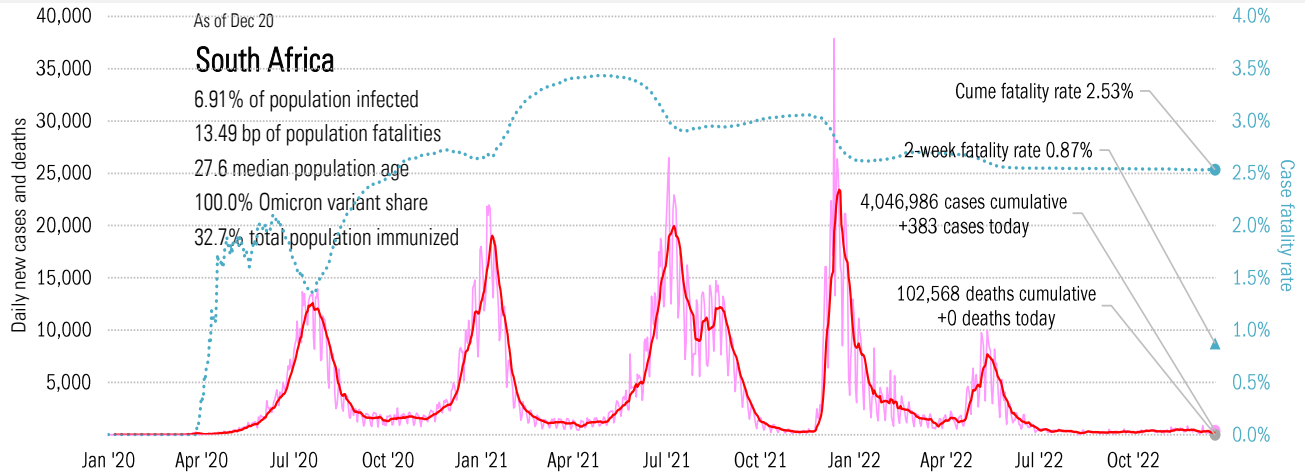
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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