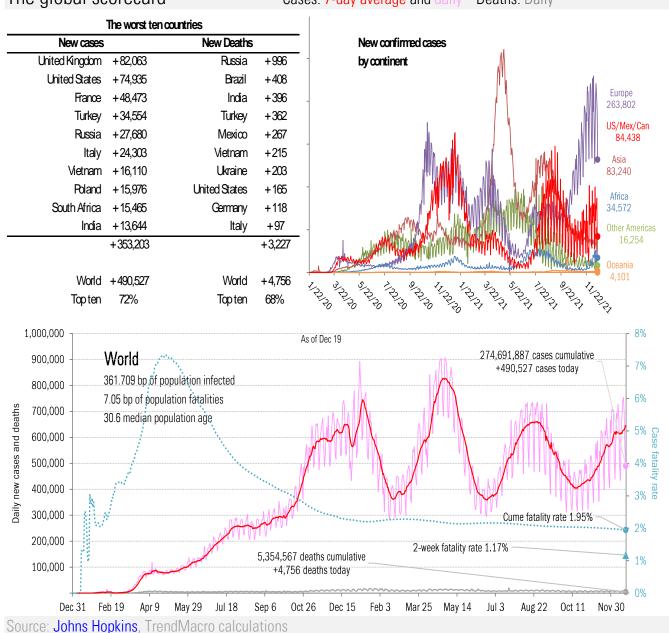


Data Insights: Covid-2019 Monitor

Monday, December 20, 2021

The global scorecard Cases: 7-day average and daily Deaths: Daily



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The US scorecard	Cases: 7-day average and daily	Deaths: Daily
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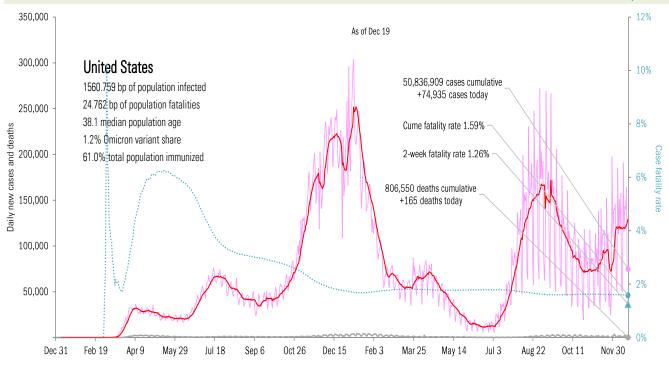
The ten worst US states

N	New cases		New Deaths		New in hospital		Oume cases		Cume deaths		Oume in hospital		Hospital use		ICU use	
	NY	+25,963	NY	+60	GA	+182	CA	5,206,956	CA	75,727	TX	392,080	RI	89%	DE	90%
	ан	+7,639	FL.	+28	FL.	+94	TX	4,431,974	TX	75,077	CA	327,772	MA	86%	KY	89%
	NJ	+7,345	TX	+21	NY	+63	FL.	3,772,964	FL.	62,331	FL.	327,399	AZ	85%	R	88%
	PA	+7,231	PA	+20	NJ	+60	NY	2,960,416	NY	58,600	NY	181,656	PA	85%	MO	88%
	TX	+6,543	AR	+14	IN	+55	IL	1,944,056	PA	35,398	GA	165,988	MD	84%	NE	88%
	CA	+4,576	CA	+9	TX	+44	PA	1,890,259	GA	30,994	СH	146,817	CT	84%	NM	88%
	FL.	+4,120	NJ	+6	NC	+43	СH	1,847,140	IL	29,550	PA	136,739	MO	84%	AL	87%
	PR	+2,747	AZ	+3	IL	+42	GA	1,691,674	NJ	28,714	IL	118,864	MI	83%	MI	86%
	ΑZ	+2,745	Н	+2	MD	+38	MI	1,614,141	α H	28,028	KY	117,964	MN	82%	IN	86%
	MO	+1,774	MO	+1	KS	+30	NC	1,589,054	MI	27,739	MI	112,659	W	82%	NH	86%
		+70,683		+164		+651		26,948,634		452,158		2,027,938				
All st	ates	+74,935		+165		+706	All states	50,836,909		806,550		3,662,110	All states	70%		67%
Top	oten	94%		99%		92%	Top ten	53%		56%		55%	Median	77%		80%

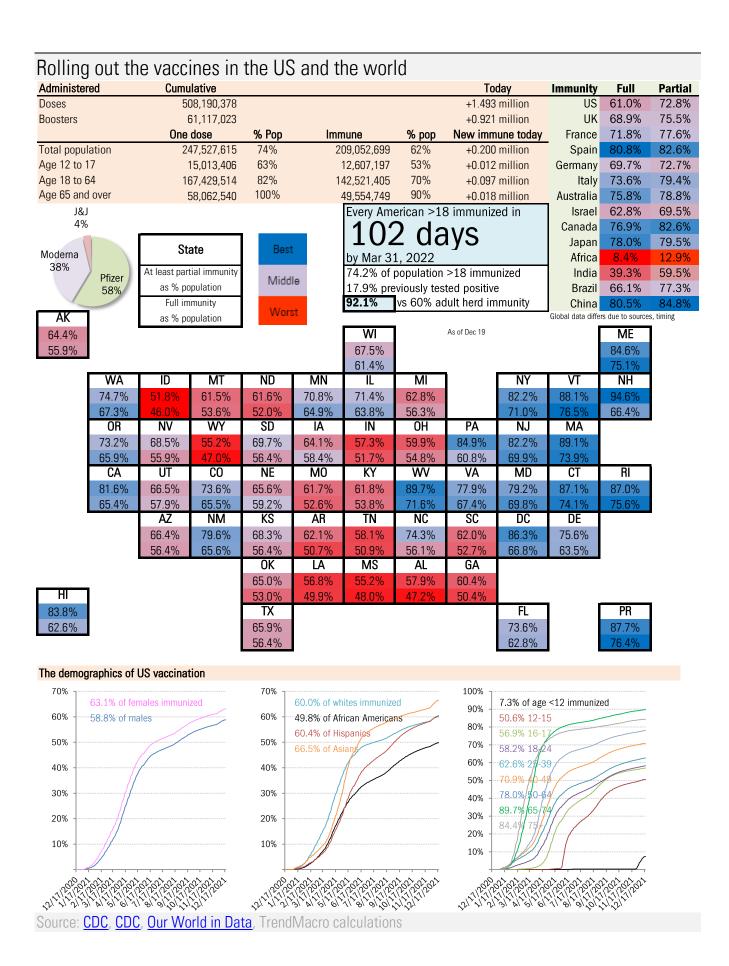
Some states not reporting

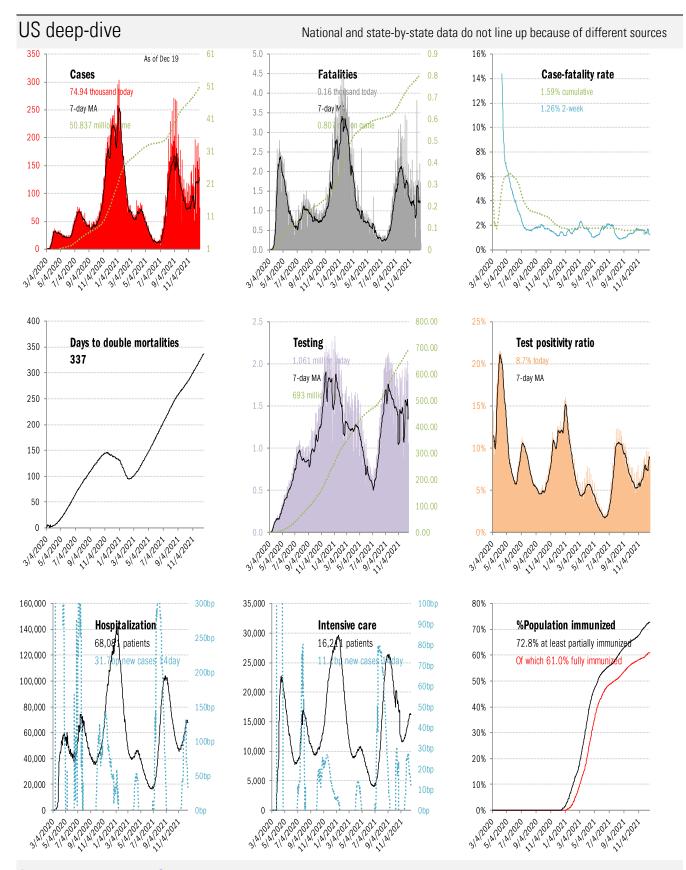
Five most improved US states

Fewer daily cases		Fewer new dea	aths	Fewer new hospi	alizations	Most pop immu	Most pop immunuity growth			
IA	-3,622	PA	-175	MI	-102	L	+20 bp			
СH	-2,495	FL.	-55	PA	-84	VT	+20 bp			
MO	-1,628	TX	-43	ОН	-68	CA	+10 bp			
PA	-1,600	CA	-30	SC	-45	ω	+10 bp			
ME	-1,079	NJ	-27	KY	-44	СТ	+10 bp			



Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

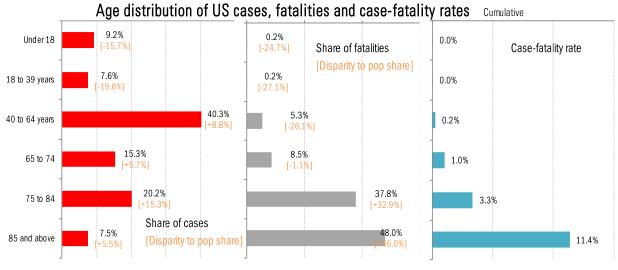


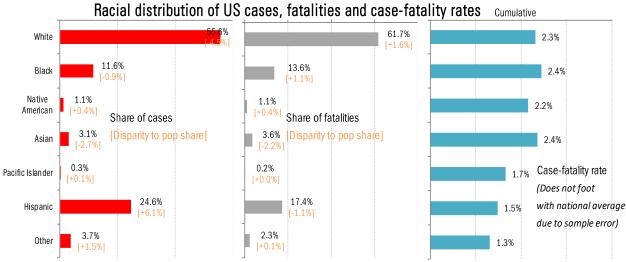


Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

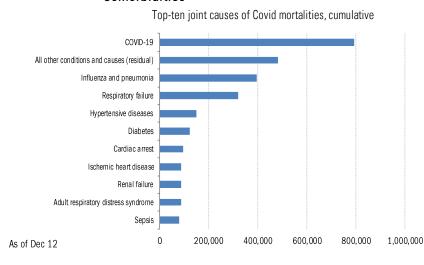
US deep-dive on the demographics of age, race and health

Updates weekly on Sundays





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

Moderna Says Covid-19 Booster Dose Works Against Omicron Variant in Lab Tests

Peter Loftus
Wall Street Journal
December 20, 2021

Most of the World's Vaccines Likely Won't Prevent Infection From Omicron

Stephanie Nolen New York Times December 19, 2021

The Fickle 'Science' of Lockdowns

Phillip W. Magness and Peter C. Earle *Wall Street Journal*December 19, 2021

My Twitter conversation with the chairman of the Sage Covid modelling committee

Fraser Nelson

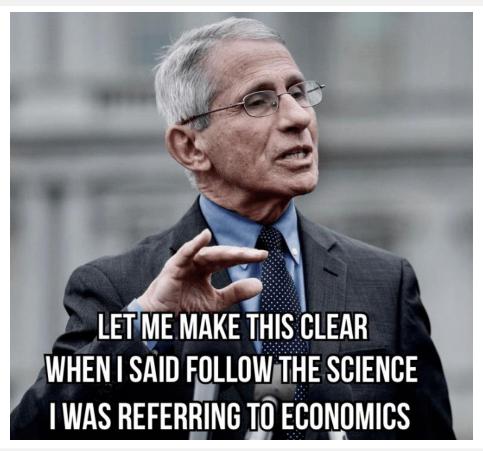
The Spectator

December 18, 2021

We Know Enough About Omicron to Know That We're in Trouble

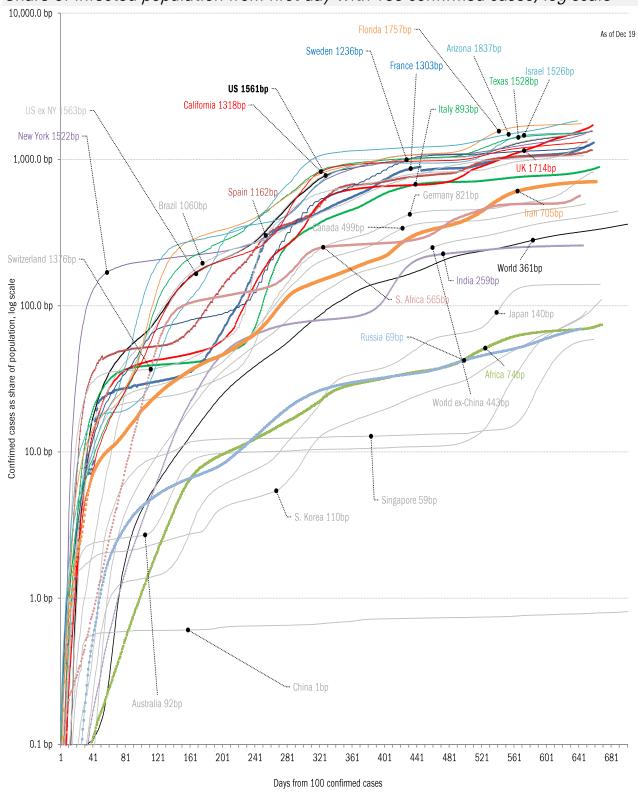
Sarah Zhang *The Atlantic*December 17, 2021

Meme of the day

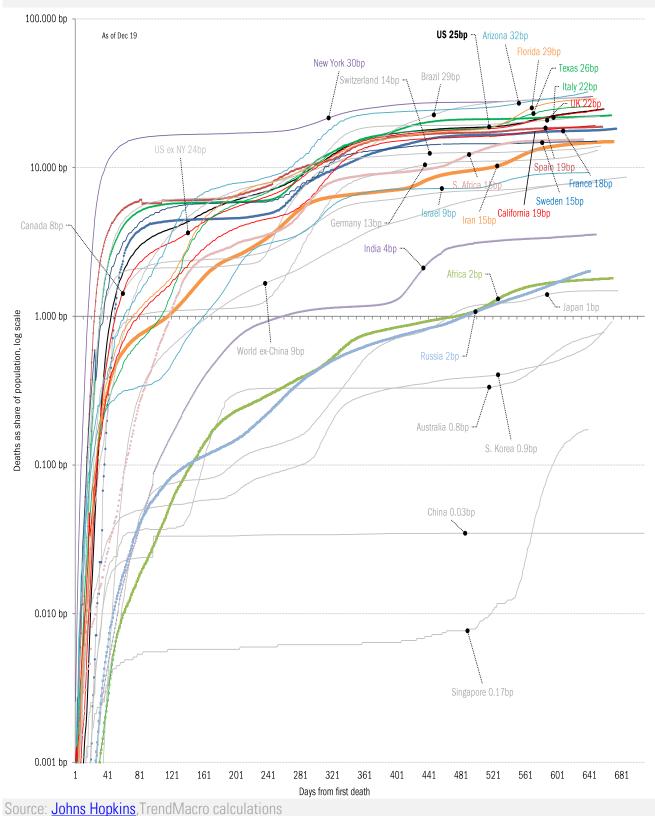


Source: Our beloved clients, Power Line blog "The Week in Pictures" and CTUP

The coronavirus <u>case</u> accelerometer... tracking the world's infection curves Share of infected population from first day with 100 confirmed cases, log scale



The coronavirus <u>mortality</u> accelerometer ... tracking the world's fatality curves *Share of deceased population from day of first fatality, log scale*



"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

