

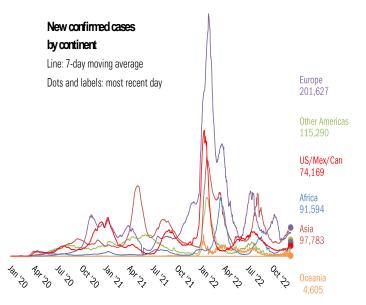
Data Insights: Covid-2019 Monitor

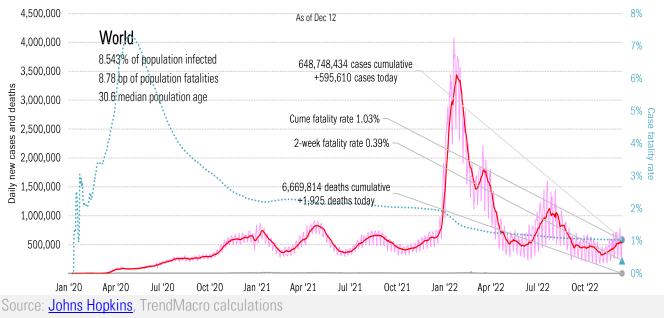
Tuesday, December 13, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries											
New cases	New cases New Deaths										
Korea, South	86,852	United States	293								
Japan	62,336	Japan	127								
United States	60,580	Italy	98								
Italy	31,618	France	87								
France	29,910	Brazil	85								
Brazil	28,014	Canada	80								
Germany	14,251	Germany	69								
Taiwan*	10,853	Russia	49								
Vietnam	9,000	Spain	45								
China	8,931	Mexico	34								
	342.345		966								





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The US scorecard	Casas: 7 day ayaraga and daily	Doothe: Daily
1116 OS SCOIECAIU	Cases: 7-day average and daily	Deaths: Daily

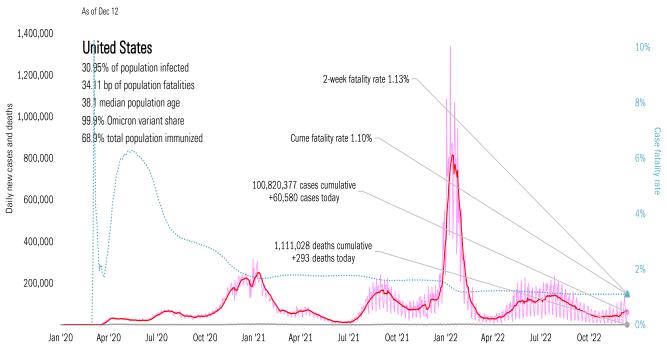
The	ten	worst	US states

Ne	New cases		New deaths		New deaths		New deaths		New in h	ospital	Qume o	ases	Cume d	eaths	Qume in	hospital	Hospita	luse	IC	Uuse
	NY	11,724	NY	44	GA	155	CA 11,630,825		CA	97,873	TX	560,407	R	92%	TX	90%				
	CA	7,783	CA	39	IL	235	TX	8,136,509	TX	91,516	CA	528,514	MA	88%	MA	88%				
	FL.	4,419	MI	35	MI	142	FL.	7,270,410	Æ	83,201	FL.	507,289	WA	88%	NC	87%				
	IL	2,890	ND	25	СH	236	NY	6,458,663	NY	74,327	NY	326,163	W	86%	AK	87%				
	СH	2,294	PA	20	PA	192	IL	3,915,471	PA	48,527	GA	231,582	MN	86%	R	85%				
	ΑZ	2,283	WA	18	TX	349	PA	3,375,513	GA	41,172	СН	230,932	GA	86%	WV	85%				
	NJ	2,075	IL	16	CT	74	NC	3,286,948	СH	40,644	PA	216,509	MD	85%	AL	85%				
	MI	1,703	FL.	15	AL	71	aн	3,259,911	IL	40,422	IL	199,243	AK	85%	VT	84%				
	NC	1,658	GA	15	NC	94	GA	2,953,341	MI	40,327	MI	172,078	MO	85%	NH	83%				
	IN	1,648	MA	12	MA	116	MI	2,950,361	NJ	35,245	NJ	149,168	O R	85%	Œ	82%				
		38,477		239		1,664		53,237,952		593,254 3,121,885		3,121,885								
All st	ates	60,580		293		4,687	All states	100,820,	377	1,111,028		5,671,328	All states	70%		67%				
Тор	oten	64%		81%		36%	Top ten	53%		55%		55%	Median	78%		77%				

Some states not reporting

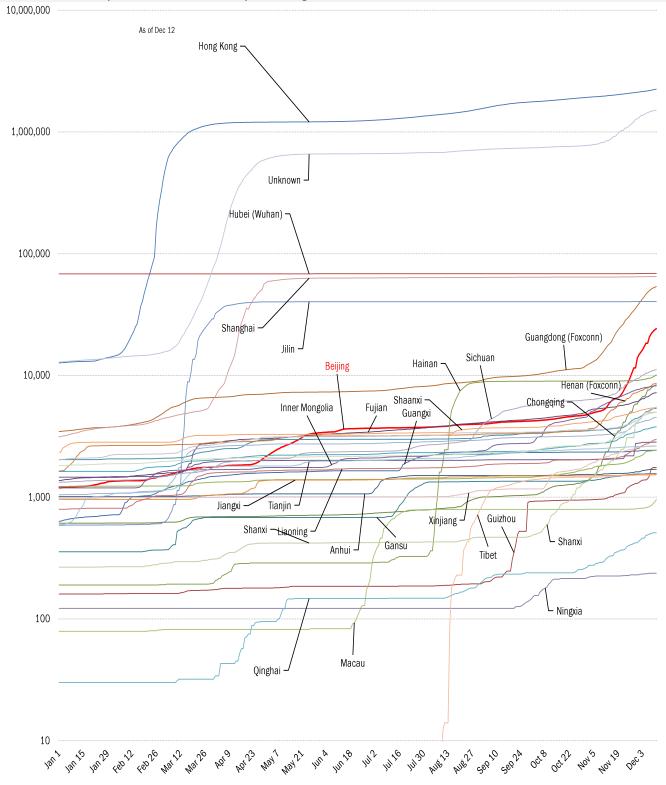
Five most improved US states

	nve nost improved os states												
Ì	Fewer daily cases		Fewer new dea	iths	Fewer new ho	spitalization	S						
	TX	-1,539	NJ	-12	AZ	-80							
	PA	-1,090	NM	-2	MD	-36							
	CT	-93	TX	-2	NY	-36							
	AR	-54	AK	0	ID	-26							
	AK	0	AL	0	OK	-26							
	1,600,000							12%					
		As of Do	- 12										

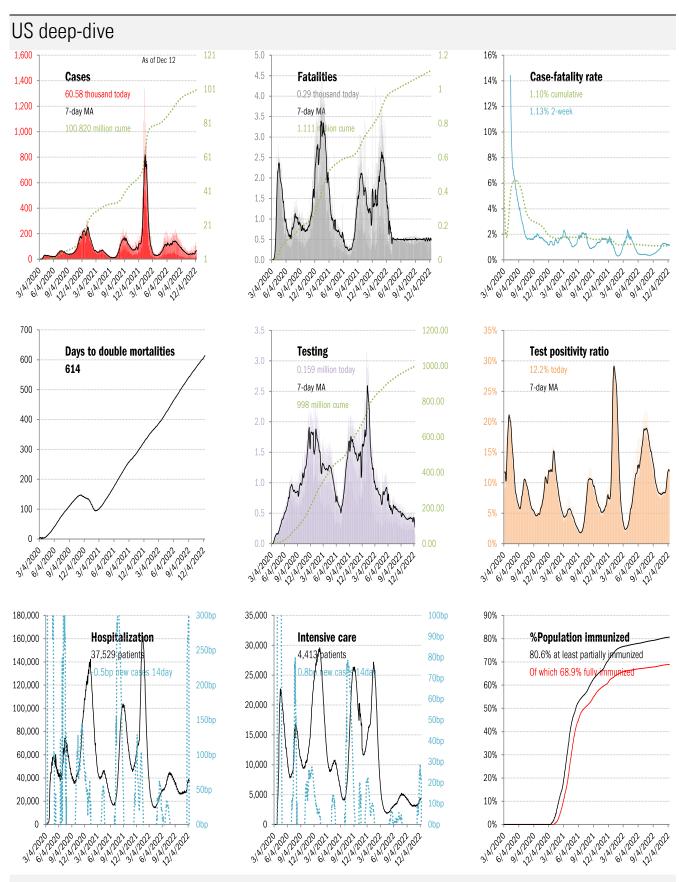


Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

China provincial coronavirus <u>case</u> accelerometer... tracking the "zero Covid" curves Cumulative reported cases this year, log scale: flat line indicates "zero Covid"



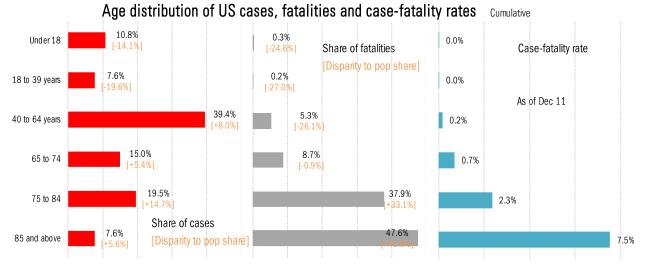
					ariu tiit	world		-		ates week.	'	
<u>Administe</u>	red	Cumu							day	Immunity US	Full	Partia
Doses 674,34			4,343,860			Of which	boosters:		million million	UK	68.9% 75.2%	80.6% 79.7%
		One	doea	% Pop	lmm	nune		New imm			78.3%	80.5%
Total population			6,021,875	83%		5,392,888	70%		million	Spain	85.5%	86.9%
	age 12 to 17 18,376,705			73% 15,735,507			62%	+0.001 million Germ			76.2%	77.8%
Age 18 to			3,614,597	90%		6,164,584	77%		million	Italy	81.3%	86.2%
Age 65 and			0,829,321				97%		million	Australia	82.7%	84.9%
Other		_	-,,		_	0,2:0,200				Israel	65.2%	71.1%
3%										Canada	82.5%	89.6%
		C+		D						Japan	83.1%	84.3%
Moderna 38%		Sta	ate	Best						Africa	26.0%	32.0%
36%	Dfinou	At least part	tial immunity	NA: Jul						India	67.1%	72.5%
	Pfizer 59%	as % po	pulation	Midd	0					Brazil	80.9%	87.4%
	3370	Full im	munity	10/						China	89.3%	91.5%
AK		as % po	pulation	Wors	il.					Global data diff		rces, timing
72.6%		"Immunity" = tv	vo doses			WI		As of Dec 9			ME	
64.8%						74.7%					95.0%	
_						67.8%		•			82.8%	
	WA	ID	MT	ND	MN	IL	MI		NY	VT	NH	
	84.6%	63.6%	67.9%	68.9%	78.3%	78.8%	69.1%		93.8%	95.0%	87.2%	
	75.6%	56.2%	58.9%	58.3%	71.7%	70.9%	62.1%		80.2%	85.0%	71.3%	ļ
	OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA		
	81.0%	78.3%	60.5%	83.1%	70.3%	64.0%	65.4%	89.8%	94.0%	95.0%		
	71.9%	63.1%	52.8%	65.8%	64.0%	57.5%	60.2%	72.7%	78.6%	83.6%		1
	CA	UT	CO	NE	MO	KY	WV	VA	MD	СТ	RI	
	84.1%	74.8%	83.2%	73.0%	68.9%	68.5%	67.2%	90.3%	91.0%	95.0%	95.0%	
	74.2%	66.3%	73.1%	65.9%	58.7%	59.3%	59.5%	76.1%	79.2%	82.6%	87.1%	ļ
		AZ	NM	KS	AR	TN	NC	SC 70.60/	DC OF OW	DE OC 70/		
		76.8%	93.4%	75.7%	69.5%	64.2%	91.1%	70.6%	95.0%	86.7%		
		65.6%	74.7%	64.8% OK	56.6% LA	56.1% MS	66.4% AL	59.6% GA	84.8%	72.0%		
					62.6%	61.4%	64.7%					
НІ				74.2% 60.1%	54.8%	53.5%	52.9%	67.9% 56.9%				
90.9%				TX	34.0 %	05.0%	32.970	30.9%	FL	1 1	PR	1
81.1%				75.8%					82.0%	i i	95.0%	
01.170				62.9%					69.1%	l I	86.7%	
			L	02.570					03.1 /0		00.7 /0	ı
The demo	graphics	of US vac	ccination									
80%	J. upee	J. J		90%				100% ¬				
7	0.6% of fe	emales immu	nized		64.6% of w	hites immuni	zed	90%	20.9% of a	ge <12 immu	nized	
70%	6.2% of m	ales		80%	55.8% of A	frican Americ	ans	59.6% 12-15				
60%				70%	71.3% of H	ispanies		80% - 94.7% 16-17				
F00/				60%	82/2% of A	elans		70% 166,1% 18-24				
50%				50%				60% - 60:0% 25:33				
40%	<i>f</i>							50% -	76.2% AO	49		
30%				40%				40% ⊀	B\$ A% \$0-1	64		
				30%	/			30%	95/0% 65-	74		
20%				20%	<i>[</i>			20%	# 0. 7 % 75+			
10%				10%				10%	// [
				10,0				Y.)			
o> o'	· ^ ^	· ~ ~	 ৵	~ ~	^ ^	^	. n	~ ~>	0> 0>	<u> </u>	, n	
31212021 21202	2/20,2/201	212022 12022	500	3/22/2022	0,3/2,3/2	31212022 31	2/201	3/2/2021	12022 2022	31212022 12022	21201	
3/2 6/2 0/	, 51, 31	, 0/2, 0/20		3/2, 0/20	0/2 15/20	3/2 6/2 0/	y *	3/2, 0/2,	0/2 25/20	3/2 6/2 0/	y .	
Source: CE	-											

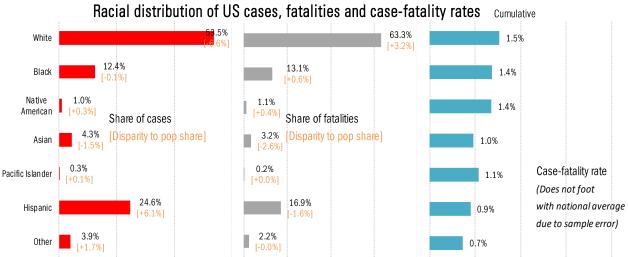


Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

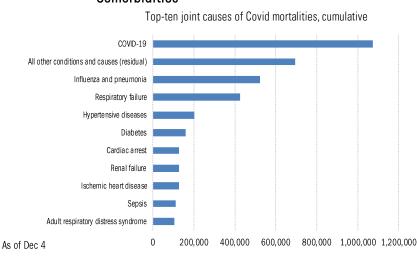
US deep-dive: demographics of age, race and health

Updates weekly on Sunday, 1 week lag





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

The Exaggeration of Long Covid

Marty Makary
Wall Street Journal
December 12, 2022

<u>CDC head asks for COVID-19 funding, data as Hill interest fades</u>

Ariel Cohen and Lauren Clason *The Hill* December 12, 2022

Report: Half of Largest School Districts Changed Leaders Since Pandemic

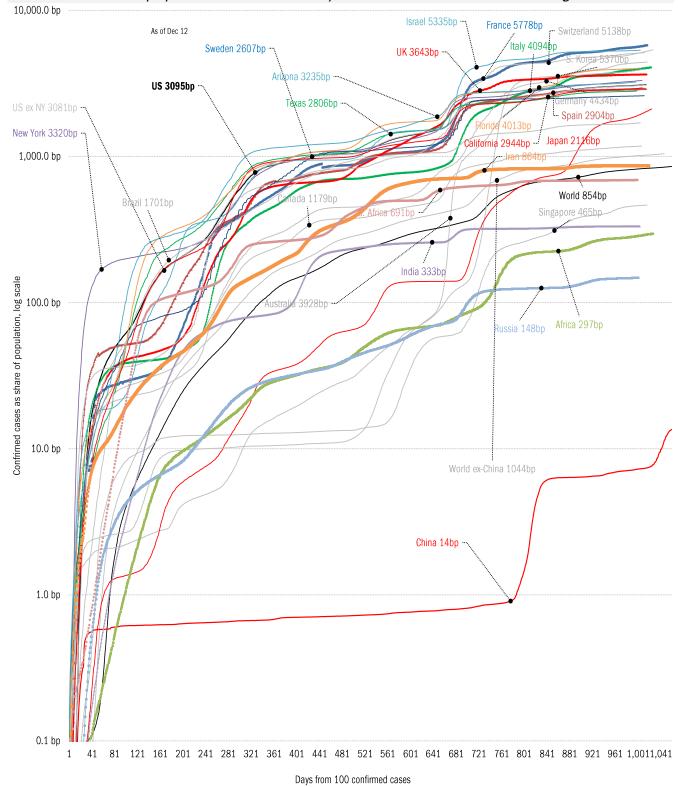
Linda Jacobson *The 74* December 12, 2022

Meme of the Day

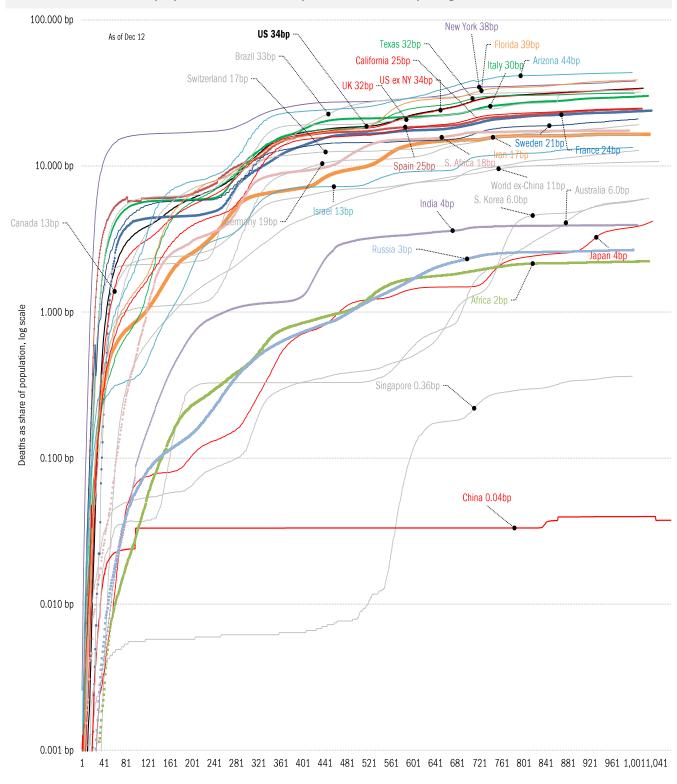


Source: Our beloved clients, $\underline{\text{Power Line blog "The Week in Pictures"}}$ and $\underline{\text{CTUP}}$

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



Days from first death

Our most reliable evidence of the rate of spread of Covid-2019

