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Data Insights: Covid-2019 Monitor

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The global scorecard



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The US scorecard



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

	Jutin						Over last c	21/		Immunity	Full	Partial
302.26 million doses distributed						+4.60 million/dav				lis	27.8%	41.5%
233.60 mil	lion doses a	administere	ed				+3.39 milli	on/day	10.1	UK	17.8%	49.4%
142.75 million persons partially immunized							+1.43 milli	on/day	1&J 4%	France	7.9%	20.3%
96.33 million persons fully immunized							+1.94 milli	on/day		Spain	8.3%	22.3%
7.79 million shots long-term care residents/staff							+0.003 mil	lion/dr		Germany	7.0%	22.6%
77.3% of distributed doses administered								Moderna	Pfizer	ltaly	8.5%	20.4%
42.7% of US pop partial				28.8% full	immunity		44% 52%			Australia	1.1%	0.6%
100% of LTC partial			64.0% full	immunity					Israel	57.9%	62.1%	
						At today's	s dosing p	ace,		Canada	2.7%	28.6%
			-		every American >18 immune in				Japan	0.7%	1.3%	
State				67 davs					Africa	0.4%	0.9%	
				UT UUYS					India	1.6%	8.5%	
Immunities distributed				by Jun 29, 2021					Brazil	5.2%	12.6%	
as % population ^ ^				US achieves adult herd immunity					Giobal data diller		uming	
AK Partial immunity			Best Inday					Ghina INA				
55.4%		as % pu		-							50.1%	
40.9%		as % no	nulation	Mid	dle	by Apr 24	, 2021				52.0%	
33.7% as % population						WI				VT	30.2%	
				Wo	rst	15.1%	45.4%			5/ 0%	18.2%	
						44.3%			50.6%	59.2%		
						32.4%				34.2%	29.4%	
	WA	ID	MT	ND	MN	IL	MI		NY	MA	2011/0	8
	46.4%	41.1%	47.9%	43.2%	43.5%	47.3%	46.4%		47.7%	51.8%		
	43.4%	33.1%	39.7%	38.6%	44.3%	44.3%	40.8%		45.3%	52.3%		
	29.5%	25.2%	29.8%	31.5%	31.2%	28.0%	29.0%		31.3%	32.7%		-
	OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI	
	44.9%	41.3%	43.8%	51.6%	44.8%	41.3%	45.3%	49.5%	47.3%	55.2%	52.8%	
	41.6%	38.1%	33.2%	43.9%	42.6%	34.7%	39.2%	47.0%	49.1%	52.1%	49.1%	
	27.7%	25.9%	26.0%	34.0%	31.0%	24.7%	29.5%	29.5%	33.0%	35.1%	33.8%	
	UA 10 EX	00.10/		NE 10.00/	MU	KY AA AO(VV V	VA 10 F0/	MD	DE		
	48.5%	39.1%	45.7%	46.2%	43.8%	44.4%	48.0%	40.5%	48.4%	49.0%		
	40.1% 27.0%	38.0%	44.2% 29.5%	42.1%	30.0% 25.2%	40.0%	30.2% 20.0%	44.9% 20.0%	40.8% 21.1%	44.5%		
l	27.0/0	Δ7	20.5 /0 NM	29.9 /0 KS	23.2 /0 AR	29.970 TN	20.0 /0 NC	29.0 // SC		25.0 /0		
		45.7%	50.6%	46.7%	45.5%	41.9%	46.7%	44.4%	58.5%			
		39.3%	49.6%	41.6%	34.7%	33.2%	37.9%	35.4%	44.7%			
		26.9%	35.1%	29.3%	23.6%	22.6%	27.0%	25.0%	26.5%			
	I			OK	LA	MS	AL	GA		4		
				49.2%	41.3%	42.5%	42.9%	43.8%				
				37.8%	31.7%	30.2%	31.5%	33.8%				
				28.1%	25.4%	22.3%	21.5%	21.9%				
HI				TX					FL		PR	
50.9%				43.6%					48.7%		49.4%	
49.1%				36.8%					39.9%		34.5%	
32.8%				24.7%		As of Apr 24			26.5%		22.1%	

Rolling out the vaccines in the US and the world

* Adult herd immunity is 60% of population over 18 years either fully vaccinated or prior tested positive, no overlap

** One dose of Pfizer/Moderna counts as half an immunity, one dose of J&J as a full immunity

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



Source: Johns Hopkins, Covid Act Now, TrendMacro calculations



Source: Distributions <u>CDC</u>, Comorbidities <u>CDC</u>, TrendMacro calculations

Recommended reading

Covid-19 Case Cluster Linked to One Flight Stirs Debate

Among Health Experts Natasha Khan

Wall Street Journal April 24, 2021 <u>Thomas Brock, Whose Discovery Paved the Way for</u> <u>PCR Tests, Dies at 94</u> *New York Times* April 22, 2021

Meme of the day



The Washington Post 🤣 @washingtonpost

Trump says, without evidence, every American will get coronavirus vaccine by April



Trump says, without evidence, every American will get coronavirus vaccine b... Experts say the president's latest timeline is nearly impossible to confirm since none of the vaccines in development have been proved effective or safe. $\ensuremath{\mathscr{S}}$ washingtonpost.com

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



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*

Source: Johns Hopkins, TrendMacro calculations



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

Source: Johns Hopkins, TrendMacro calculations



Source: Johns Hopkins, TrendMacro calculations

Requirement to <u>Open Up America Again</u>: 14-day "downward 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

Alt requirement to <u>Open Up America Again</u>: 14-day "downward trajectory" in pos tests *14-day moving average, last 14 days Most recent value displayed* • High • Low Downward trajectory Five best Upward trajectory Five worst



Source: <u>Covid Act Now</u>, TrendMacro calculations



Source: Johns Hopkins, TrendMacro calculations



Source: Johns Hopkins, TrendMacro calculations

Patient zero... and then everyone else





Source: Johns Hopkins, TrendMacro calculations



Source: Johns Hopkins, TrendMacro calculations





Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots





Source: Johns Hopkins, TrendMacro calculations



Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations