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Data Insights: Covid-2019 Monitor

Saturday, April 17, 2021

The global scorecard



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The US scorecard



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

	outin							1				D. C.I.
US overall						Uver last day				Immunity	Full	
209.36 million doses administered							+3.17 milli	on/day		03	24.1%	JO.2 %
131.69 million persons partially immunized							+4.04 milli	on/day	1&1	France	6.3%	40.0%
83.60 million persons fully immunized							+1.35 milli	on/day	4%	Snain	7.1%	19.3%
7 78 million shots long-term care residents/staff							+0 003 mil	lion/dz		Germany	6.5%	19.0%
77.8% of distributed doses administered							10.000 1111		Pfizer	Italy	7.2%	17.1%
39.4% of US non partial				25.0% full	immunity	Moderna 44% 52%				Australia	0.9%	0.6%
100% of LTC partial				63.9% full	immunity	4470				Israel	57.4%	61 7%
				00.070 101	minancy	At today's	s dosing p	ace		Canada	2.3%	22.9%
						every American >18 immune in				Japan	0.5%	0.9%
State			1		61 days				Africa	0.3%	0.7%	
									India	1.1%	7.6%	
Immunities distributed				by Jun 15. 2021					Brazil	3.8%	11.7%	
as % population**				US achieves adult herd immunity* i					Global data diffe	rs from sources,	timing	
AK Partial immunity				12 dava					,	China NA	ME	
53.8% as % population			ве	st	12	13 days				45.0%		
39.1%		Full im	imunity			by Apr 29	, 2021				47.7%	
31.2%		as % po	pulation	MIG	ale		÷			-	31.5%	
						WI				VT	NH	
				wo	rst	40.1%				47.8%	42.8%	
						41.0%				45.5%	57.5%	
						27.3%				29.8%	27.4%	
	WA	ID	MT	ND	MN	IL	MI		NY	MA		
	41.0%	37.0%	43.8%	40.6%	39.1%	42.6%	41.2%		42.7%	44.6%		
	39.1%	31.5%	37.7%	37.6%	41.2%	40.4%	37.4%		41.5%	47.0%		
	25.8%	22.1%	26.5%	28.4%	27.6%	23.8%	24.8%		27.5%	28.1%		
	UK	NV	WY	SD	IA	IN	OH	PA	NJ	CI	KI	
	40.5%	37.6%	42.8%	47.4%	40.9%	37.5%	41.1%	43.7%	41.7%	49.7%	43.7%	
	37.6%	35.5%	32.2%	42.3%	39.9%	32.4%	36.9%	42.1%	44.8%	47.4%	43.6%	
	24.0%	23.0%	24.1%	30.1%	27.2%	22.0%	24.9%	25.1%	28.6%	30.4%	30.9%	
	UA 42.20/		41.20/	INE 41.40/	10 20/	NI 40.20/		VA 40.00/	12 00/	UE		
	43.3%	30.0% 24.70/	41.3 %	41.4%	40.2 %	40.3 %	43.470	40.070	43.0%	43.7 %		
	41.7% 22.0%	34.7 % 10 5%	40.0%	40.1%	33.170 22.0%	30.070 26.2%	25.6%	41.170 25.2%	41.0% 26.6%	40.0%		
	23.9%	10.3% Δ7	24.4 %	Z7.170 KS	ΔR	20.2 %	20.0%	20.3% SC	20.0 %	24.370		
		/1 2%	/6.9%	12.6%	/0.7%	38.1%	10.7%	39.5%	50.8%			
		36.6%	46.5%	39.4%	32.8%	31.3%	35.5%	33.7%	39.0%			
		23.4%	31.3%	25.1%	20.6%	19.4%	23.7%	22.1%	22.3%			
	I	20.170	01.070	0K	LA	MS	AL	GA	22.070			
				44.9%	39.3%	39.7%	38.5%	39.6%				
				36.3%	30.6%	28,9%	29.8%	31.8%				
				25.1%	22.4%	20.5%	18.7%	17.9%				
HI				TX					FL	ן ן	PR	
46.2%				38.9%					43.4%		44.7%	
38.8%				34.3%					36.7%		30.4%	
27.4%				21.7%		As of Apr 16			22.9%		18.6%	

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





15%

10%

5%

0%

3/4/2020 51412020 11A12020 9/4/2020

11/4/2020

1/4/2021

31412021

Source: Johns Hopkins, Covid Act Now, TrendMacro calculations



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

Recommended reading

Expat Americans Fly Home for Covid-19 Vaccination Shots Stu Woo

Wall Street Journal April 17, 2021

Meme of the day

<u>Covid Survivors May Require Just One Shot of a</u> <u>Two-Dose Vaccine</u> Carey Goldberg *Bloomberg* April 17, 2021



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





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: Covid Act Now, TrendMacro calculations



Source: Johns Hopkins, TrendMacro calculations



Source: Johns Hopkins, TrendMacro calculations



Patient zero... and then everyone else

Source: Johns Hopkins, TrendMacro calculations

Dec 31 Jan 28 Feb 25 Mar 24 Apr 21 May 19 Jun 16 Jul 14 Aug 11 Sep 8 Oct 6 Nov 3 Dec 1 Dec 29 Jan 26 Feb 23 Mar 23

0.0%



Source: Johns Hopkins, TrendMacro calculations



Source: Johns Hopkins, TrendMacro calculations





Impact in other hot-spots







Source: Johns Hopkins, TrendMacro calculations