

Trend Macrolytics, LLC Donald Luskin, Chief Investment Officer Thomas Demas, Managing Director Michael Warren, Energy Strategist

#### Data Insights: Covid-2019 Monitor

Tuesday, April 13, 2021

### The global scorecard



#### For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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## The US scorecard



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

	outin						Over last o	lav		Immunity	Full	Partial
248.06 million doses distributed						+0.00 million/day				US	22.2%	36.1%
196.92 million doses administered							+2.70 milli	on/day	101	UK	11.3%	47.4%
124.71 million persons partially immunized							+1.63 milli	on/day	3%	France	5.5%	15.9%
76.91 million persons fully immunized							+1.47 milli	on/day		Spain	6.7%	16.4%
7.77 million shots long-term care residents/staff							+0.00 milli	on/dav		Germany	6.1%	16.2%
79.4% of c	distributed	doses adm	inistered			Moderna Pfize			f Italy	6.6%	15.4%	
37.3% of US pop partial				23.0% full	immunity	45% 52%				Australia	0.8%	0.6%
100% of LTC partial				63.8% full	immunity					Israel	57.2%	61.6%
						At today's dosing pace,				Canada	2.2%	19.9%
				7		every American >18 immune in				Japan	0.4%	0.9%
State					IS5 days				Africa	0.3%	0.7%	
Doses distributed			-						Inuia Brazil	1.0%	0.9%	
as % population				US achieves adult herd immunity*					Global data differ	s from sources,	timing	
AK Partial immunity								inity in	China NA	ME		
96.5% as % population			Be	st	20 Uays					77.1%		
37.2%		Full im	munity	1		by May 8	. 2021				42.9%	
27.6%		as % po	pulation	Mid	dle		,			·	27.7%	
						WI				VT	NH	
				wo	rst	68.7%				82.7%	73.8%	
						39.7%				42.5%	52.3%	
					25.8%	5.8%			27.2%	25.0%		
	WA	ID	MT	ND	MN	IL	MI		NY	MA		
	72.4%	65.2%	77.3%	71.8%	67.0%	73.2%	70.3%		74.3%	77.4%		
	37.2%	31.0%	36.5%	36.8%	39.3%	38.8%	35.5%		39.2%	43.8%		
	24.0%	21.3%	24.9%	27.1%	26.0%	22.3%	23.1%	DA	25.3%	25.8%		
			77 00/	3D 02 70/	IA 71.00/	E2 70/	UN 71.20/	74 E0/	1NJ 71 G0/		<b>ni</b> 75.00/	
	05.4 /0 35 5%	3/1.0%	31.1%	/1 2%	71.0%	31.1%	71.270 35.6%	29.5%	/1.0 /0	03.9 /0 11 1%	/0.5%	
	22.3%	21.5%	22.8%	28.5%	25.3%	20.9%	22.9%	22.7%	26.3%	28.1%	28.7%	
	CA	UT	CO	20.070 NE	M0	KY	WV	VA	MD	DE	20.7 /0	
	73.5%	61.0%	71.0%	72.2%	69.2%	70.1%	77.3%	69.9%	74.0%	74.9%		
	38.8%	31.8%	38.1%	37.2%	31.5%	36.3%	33.6%	39.0%	38.5%	38.3%		
	21.4%	16.1%	22.8%	23.9%	20.6%	24.0%	24.2%	23.0%	23.8%	21.8%		
-		AZ	NM	KS	AR	TN	NC	SC	DC			
		70.9%	81.6%	73.5%	70.9%	67.9%	71.3%	67.9%	86.5%			
		35.2%	45.0%	37.7%	31.5%	30.3%	34.0%	32.7%	36.3%			
		22.0%	29.6%	22.9%	19.0%	18.2%	21.7%	20.6%	19.8%			
				OK	LA	MS	AL	GA				
				78.9%	70.5%	69.7%	66.9%	67.8%				
				35.6%	29.9%	27.9%	28.3%	28.8%				
Ш	I			<u>23.7%</u> TX	21.1%	19.2%	10.8%	15.0%		1 I	PR	
80 5%				A1 					ΓL 73.0%		Γ <b>Π</b> 76.0%	
36.7%				32.4%					3/ 8%		27.3%	
25.2%				19.9%	As of Apr 12				21.0%		16.3%	
20.270				10.070	/0				21.7/0		10.0 /0	

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

Source: <u>CDC</u>, <u>CDC</u>, <u>Our World in Data</u>, TrendMacro calculations







Source: Johns Hopkins, Covid Act Now, TrendMacro calculations



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

## Recommended reading

# Surging Virus Has Michigan's Democratic Governor at Loggerheads With Biden

Noah Weiland and Mitch Smith *New York Times* April 12, 2021

#### Antibodies for adherents: Saudi Arabia

*The Economist* April 13, 2021

Did catching Covid-19 help these patients fight cancer? One saw his tumours vanish, another went into remission. Now doctors are asking if their immune response was key - and if it could al Pat Hagan

*Daily Mail* April 12, 2021

#### U.K. Rejoices and Asks: Are Lockdowns Finally Finished?

Marc Santora, Megan Specia and Eric Nagourney *New York Times* April 12, 2021

#### U.K. Strain Doesn't Result in More Severe Covid-19 Among Hospitalized Patients, Study Finds

Brianna Abbott *Wall Street Journal* April 12, 2021

#### My Family's Global Vaccine Journey

Pui-Wing Tam *New York Times* April 11, 2021

#### Regeneron says its Covid-19 antibody cocktail helps

#### prevent symptomatic Covid-19

Jamie Gumbrecht *CNN* April 12, 2021

## Meme of day

# The hipsters are returning to the bars. Nature is healing



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

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



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



Source: Johns Hopkins, TrendMacro calculations











## Impact in other hot-spots







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## Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations