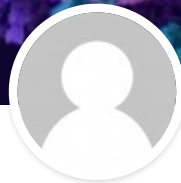
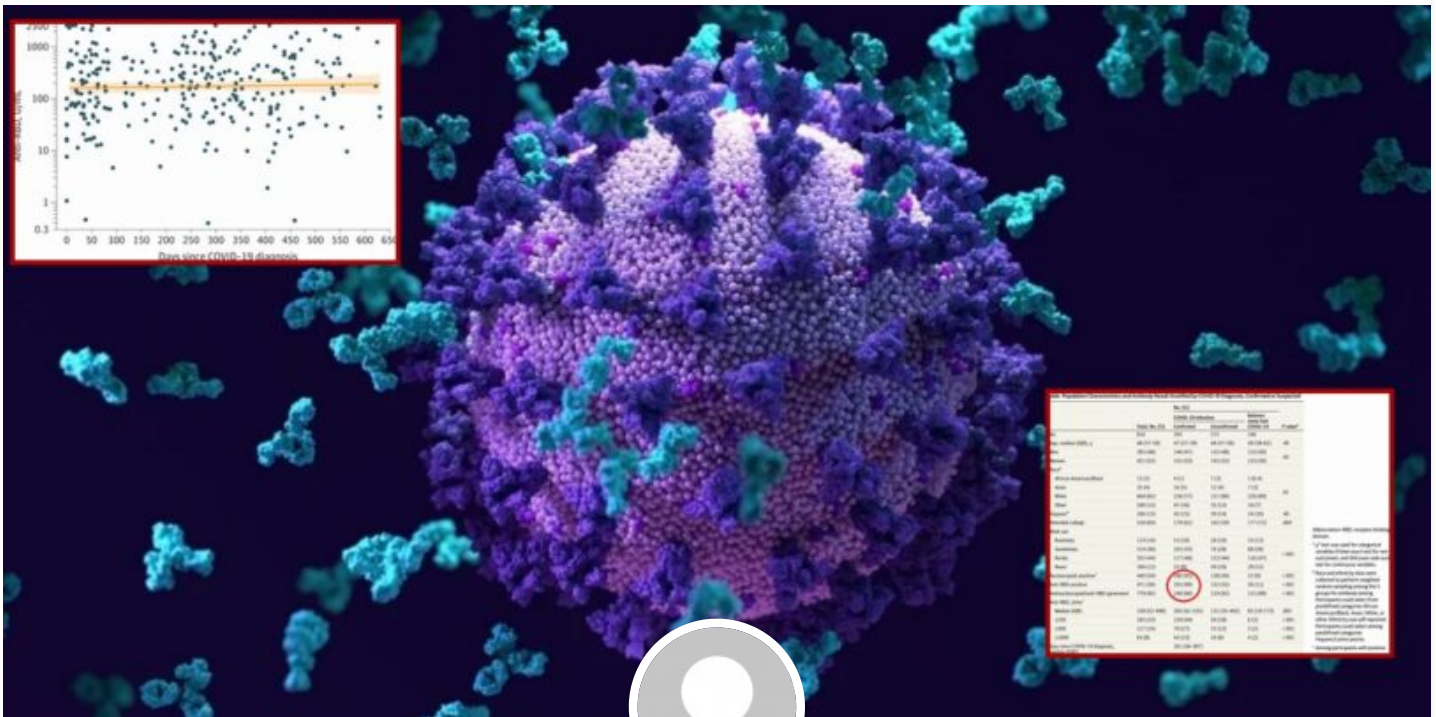


# New Study: 99% of All Covid Prior Infections Resulted in 'Natural Immunity' That Lasted at Least 650 Days

February 5, 2022 • by Kyle Becker



Written by [Kyle Becker](#)

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went widely ignored in the mainstream media.

Dr. Marty Makary, spearheading a team at Johns Hopkins to do the work that the CDC and NIH refuse to do, showed that 99% of unvaccinated people known to have Covid infections had robust “natural immunity” that did not diminish for at least 650 days.

”

## Results

Of 1580 individuals invited to undergo serologic testing, 816 (52%) did so between September 24, 2021, and November 5, 2021. Participants had a mean age of 48.0 years, 421 (52%) were women, and 669 (82%) were White (Table). Fourteen percent reported routine mask use in public. Anti-RBD and anti-N antibody presence/absence were correlated (95%; Cohen  $\kappa=0.908$ ).

Among 295 reported COVID-confirmed participants, 293 (99%) tested positive for anti-RBD antibodies ( $\geq 250$  U/mL, 44%;  $\geq 500$  U/mL, 27%;  $\geq 1000$  U/mL, 15%). A median of 8.7 (IQR, 1.9-12.9; range, 0-20) months passed since reported COVID-19 diagnosis. The median anti-RBD level among those who tested positive was 205 (IQR, 61-535) U/mL. There was no evidence of association between time after infection and antibody titer (0.8% increase [95% CI, -2.4% to 4.2%] per month,  $P = .62$ ) (Figure).

Among 275 reported COVID-unconfirmed participants, 152 (55%) tested positive for anti-RBD antibodies ( $\geq 250$  U/mL, 18%;  $\geq 500$  U/mL, 12%;  $\geq 1000$  U/mL, 6%). The median level among those who tested positive was 131 (IQR, 35-402) U/mL.

Among 246 reported no-COVID participants, 11%

level among those who tested positive was 82 (IQR, 19-172) U/mL.

The charts included in the study reveal the story. As you can see, for three different types of important antibodies, about 95% of people with prior infections retained all three. 99% had the anti-RBD positive type of antibody.

Table. Population Characteristics and Antibody Result Stratified by COVID-19 Diagnosis, Confirmed or Suspected

	Total, No. (%)	No. (%)		Believes never had COVID-19	P value <sup>a</sup>
		COVID-19 infection Confirmed	Unconfirmed		
No.	816	295	275	246	
Age, median (IQR), y	48 (37-59)	47 (37-59)	48 (37-58)	49 (38-62)	.49
Men	395 (48)	140 (47)	132 (48)	123 (50)	.83
Women	421 (52)	155 (53)	143 (52)	123 (50)	
Race <sup>b</sup>					
African American/Black	12 (2)	4 (1)	7 (3)	1 (0.4)	.01
Asian	35 (4)	16 (5)	12 (4)	7 (3)	
White	669 (82)	228 (77)	221 (80)	220 (89)	
Other	100 (12)	47 (16)	35 (13)	18 (7)	
Hispanic <sup>b</sup>	106 (13)	43 (15)	39 (14)	24 (10)	.40
Attended college	518 (64)	179 (61)	162 (59)	177 (72)	.004
Mask use					
Routinely	114 (14)	53 (18)	28 (10)	33 (13)	<.001
Sometimes	214 (30)	103 (35)	76 (28)	68 (28)	
Rarely	355 (44)	117 (40)	122 (44)	116 (47)	
Never	100 (12)	22 (8)	49 (18)	29 (12)	
Nucleocapsid-positive <sup>c</sup>	440 (54)	280 (95)	138 (50)	22 (9)	<.001
Anti-RBD-positive	471 (58)	293 (99)	152 (55)	26 (11)	<.001
Antinucleocapsid/anti-RBD agreement	779 (95)	248 (96)	219 (92)	215 (98)	<.001
Anti-RBD, U/mL <sup>c</sup>					
Median (IQR)	158 (52-499)	205 (61-535)	131 (35-402)	82 (19-172)	.005
≥250	185 (23)	129 (44)	50 (18)	6 (2)	<.001
≥500	117 (14)	79 (27)	33 (12)	5 (2)	<.001
≥1000	63 (8)	43 (15)	16 (6)	4 (2)	<.001
Days since COVID-19 diagnosis, median (IQR) <sup>c</sup>		261 (56-387)			

Abbreviation: RBD, receptor-binding domain.

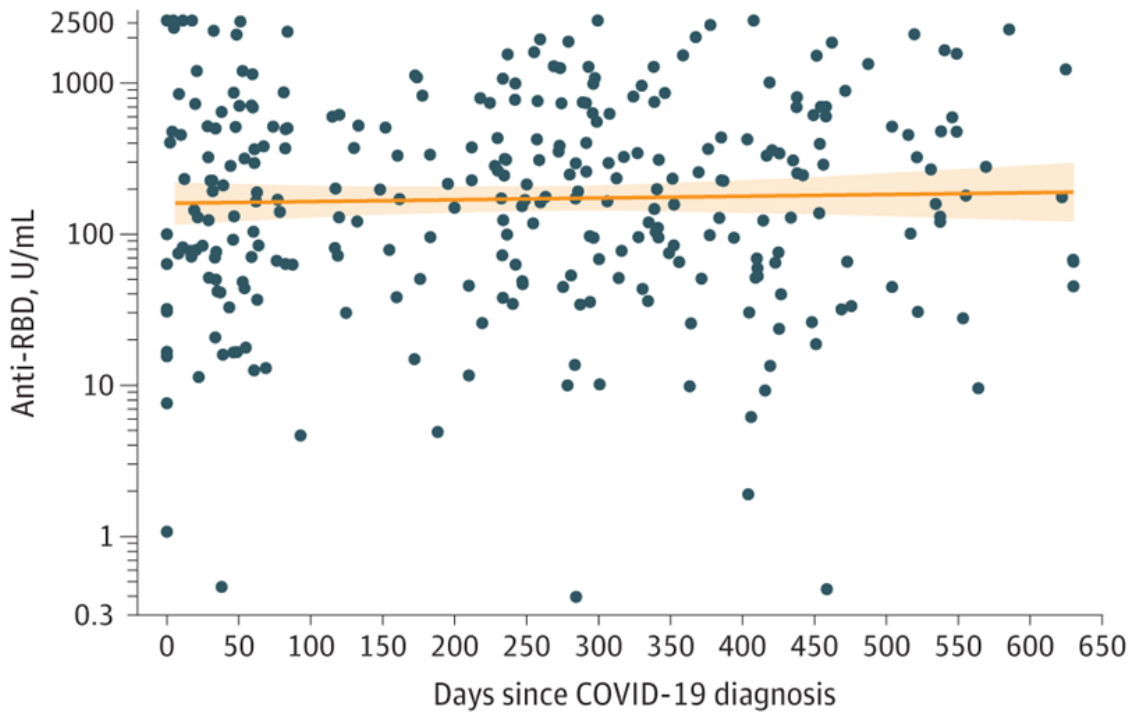
<sup>a</sup>  $\chi^2$  test was used for categorical variables (Fisher exact test for rare outcomes), and Wilcoxon rank-sum test for continuous variables.

<sup>b</sup> Race and ethnicity data were collected to perform weighted random sampling among the 3 groups for antibody testing. Participants could select from predefined categories African American/Black, Asian, White, or other. Ethnicity was self-reported. Participants could select among predefined categories Hispanic/Latino yes/no.

<sup>c</sup> Among participants with positive titers.

Most importantly of all, this is clear indisputable evidence that natural immunity is far more durable than vaccinated immunity: The Covid protection lasted for 650 days with no noticeable decline.

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As Becker News [reported in October](#), Dr. Makary was leading a study that would force the CDC and NIH to do their jobs and not merely act as vaccine salesmen.

**Marty Makary MD, MPH**  @MartyMakary · Oct 27, 2021 

The NIH should be doing a long-term study of natural immunity instead of torturing thousands of beagle puppies, including cutting their voice box to avoid barking sounds (sick). All taxpayer funded. All our health agencies need fresh new leadership.

medpagetoday.com  
 Fauci Blasted Over Puppy Research Claims  
 Conservative watchdog group unleashes outrage over Beagle studies

My Johns Hopkins research team is leading a long-term study of natural immunity because the NIH and CDC are not doing it. They have \$50 billion and 30,000 employees and yet can't seem to conduct one of the most important studies we need done to inform the public.

10:51 AM · Oct 27, 2021



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“The NIH should be doing a long-term study of natural immunity instead of torturing thousands of beagle puppies, including cutting their voice box to avoid barking sounds (sick),” he said. “All taxpayer funded. All our health agencies need fresh new leadership.”

“My Johns Hopkins research team is leading a long-term study of natural immunity because the NIH and CDC are not doing it,” he added. “They have \$50 billion and 30,000 employees and yet can’t seem to conduct one of the most important studies we need done to inform the public.”

That he did. Now, even the CDC is [admitting](#) that natural immunity exists. This constitutes yet another “we told you so” in the now extremely long list that can be compiled by critics of The Science.™

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"The CDC study and ours confirm what more than 100 other studies on natural immunity have found: The immune system works."

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**OPINION:** This article contains commentary which reflects the author's opinion.

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