

Virginia Coronavirus Serology Project

Purpose - to estimate the total number of adults that have been infected with the COVID-19 virus in Virginia at any time in the past.

Project

- VDH partnered with health systems to enroll 5,000 participants statewide, who would complete a questionnaire and provide a blood sample for COVID-19 antibody testing.
- The University of Virginia is providing overall project management and the laboratory testing. Participating health systems are enrolling 1,000 participants in their respective regions: Inova Health System (Northern), Virginia Commonwealth University (Central), Sentara Healthcare (Eastern), Carilion Clinic (Southwest), and University of Virginia (Northwest).
- The project began in early June. Participants are presenting at a participating healthcare clinic for a clinic visit or lab work. To be eligible, a participant had to be 18 years of age or older, a resident of Virginia, and not be suspected of having an active COVID-19 illness. Only one person from a household was eligible to participate.

Virginia Coronavirus Serology Project

Interim Report - July 22, 2020

An analysis of the 3,113 participants for whom antibody testing had been completed and reported.

- By sex, 64.6% were women.
- Young adults (18-39 years of age) who are white or African American were underrepresented among participants to date.
- By ethnicity, 10.1% are Hispanic.
- By insurance status, 11.1% reported coverage by Medicaid/FAMIS, 21.0% Medicare, 58.8% private insurance, 3.6% uninsured, 3.6% military or veterans coverage, and 1.9% other or don't know.
- 17.2% reported symptoms of a COVID-like illness since February 1, 2020 and 10.4% sought medical care for their illness.

Limitations - This is an interim report and the estimates may change when the project reaches full enrollment.

Virginia Coronavirus Serology Project

Interim findings by region and statewide - July 22, 2020

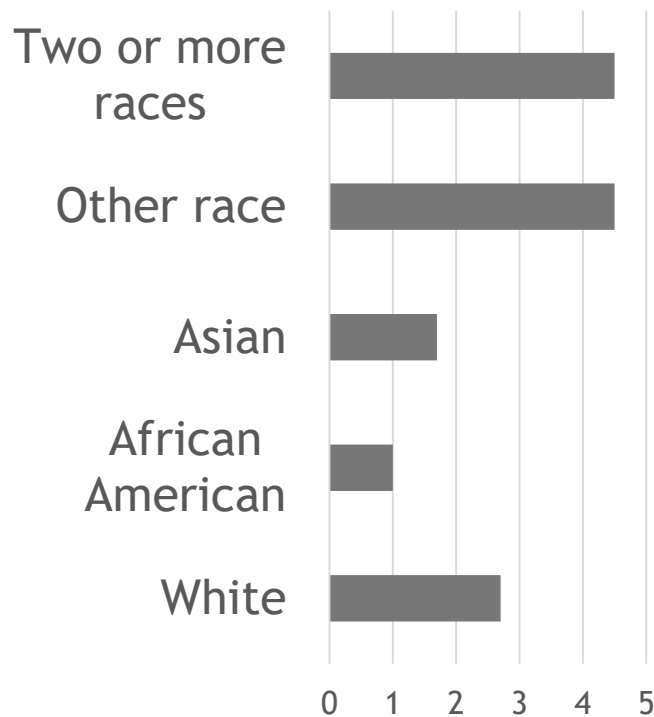
Region	Number of participants	Number antibody positive	Crude prevalence per 100 participants	Weighted prevalence*	
				per 100 population	(95% CI)
Central	400	8	2.0	3.0	(0.5, 5.5)
East	707	9	1.3	1.5	(-0.2, 3.2)
Northern	819	36	4.4	4.2	(2.5, 5.9)
Northwest	756	11	1.5	0.9	(0.2, 1.6)
Southwest	431	3	0.7	1.0	(-0.2, 2.1)
Virginia	3,113	67	2.2	2.4	(1.6, 3.1)

* Weighted prevalence is reweighted by region, age, sex, race, ethnicity, and insurance status to match census population.

Virginia Coronavirus Serology Project

Interim finding by race and ethnicity - July 22, 2020

Weighted prevalence
per 100 participants

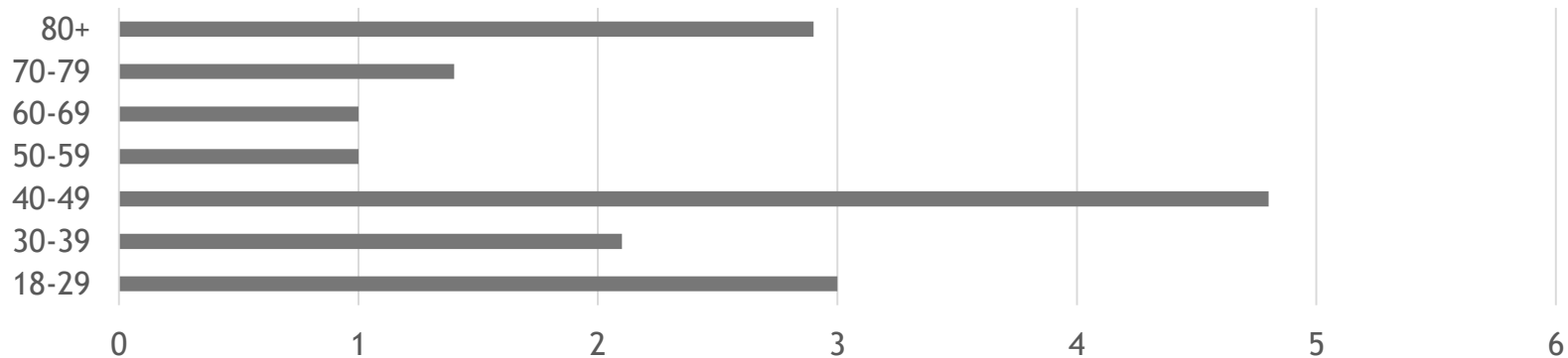


Ethnicity	Partici pants	Number antibody positive	Crude prevalence per 100 participant s	Weighted prevalence*	
				per 100 population	(95% CI)
Hispanic	315	37	11.7	14.4	(8.3, 20.4)
non-Hispanic	2,798	30	1.1	1.1	(0.5, 1.6)

Virginia Coronavirus Serology Project

Interim finding - July 22, 2020

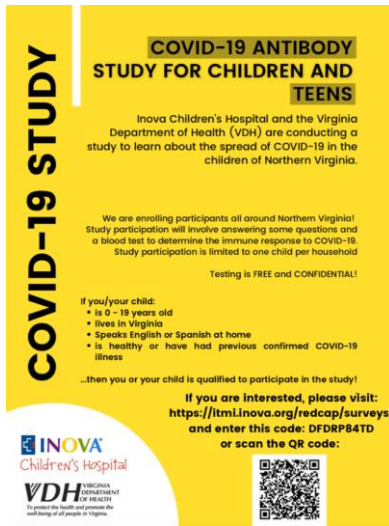
By Age Group - antibody positive per 100 population (weighted)



Health condition that put them at risk for severe complications of COVID-19 infection

- Yes - 1.5% antibody positive
- No - 3.0% antibody positive

Pediatric Coronavirus Serology Project



COVID-19 STUDY

COVID-19 ANTIBODY STUDY FOR CHILDREN AND TEENS

Inova Children's Hospital and the Virginia Department of Health (VDH) are conducting a study to learn about the spread of COVID-19 in the children of Northern Virginia.

We are emailing participants all around Northern Virginia! Study participation will involve answering some questions and a blood test to determine the immune response to COVID-19. Study participation is limited to one child per household.

Testing is FREE and CONFIDENTIAL!

If you/your child:

- is 0 - 19 years old
- lives in Virginia
- Speaks English or Spanish at home
- is healthy or have had previous confirmed COVID-19 illness

...then you or your child is qualified to participate in the study!

If you are interested, please visit:
<https://itm.inova.org/redcap/surveys/>
and enter this code: **DFDRPB4TD**
or scan the QR code:

INOVA Children's Hospital
VDH VIRGINIA DEPARTMENT OF HEALTH
To protect the health and promote the well-being of all people in Virginia.

- VDH has partnered with Inova Health System to conduct a serology project among children and teens in Northern Virginia.
- Northern Virginia was selected for this project due to the number of confirmed COVID-19 pediatric cases reported in the region. Northern Virginia's population is also diverse in terms of ethnicity, socioeconomic status and race, which provides an important comparison to the rest of the Commonwealth.
- Inova Children's Hospital will recruit up to 1,000 participants aged 0 - 19-years-old who live in Northern Virginia and seek care at participating clinical sites. Participants' blood samples will be tested for COVID-19 antibodies.
- The project is underway and preliminary results are expected by mid-September.

Questions?

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