

Join the fight against COVID-19!

COVID-19 Community Research Partnership
Participant Town Hall

This session will be recorded and shared with University of Maryland School of Medicine & MedStar Health COVID-19 Community Research Partnership participants

We want to hear from you! Enter **sli.do** in your web browser and use code **#JoinTheFight** to participate and ask questions during the presentation.



Thank you for being a part of this study!

Participate in tonight's Town Hall:

Enter **sli.do** in a new window in your web browser and use code **#JoinTheFight**

Speakers



Neil J. Weissman MD, FACC, FASE
Chief Scientific Officer for MedStar Health
and President of MedStar Health Research
Institute



Wilbur Chen, MD, MS, FASCP, FISDA
Professor of Medicine, University of
Maryland School of Medicine, and COVID-
19 Community Research Partnership Co-
Investigator



William Weintraub, MD
Director of Outcomes Research, MedStar
Cardiovascular Research Network and
COVID-19 Community Research
Partnership Principal Investigator



DeAnna Friedman-Klabanoff MD
Instructor, Center for Vaccine
Development and Global Health,
University of Maryland School of
Medicine, and COVID-19 Community
Research Partnership Co-Investigator



Christian Boxley
Senior Research Associate, MedStar
Health National Center for Human Factors
in Healthcare



Ella S. Franklin MSN, RN
Senior Director of Human Factors Nursing
Research & Systems Safety, MedStar
Health National Center for Human Factors
in Healthcare

Agenda



Meet Our Participants!



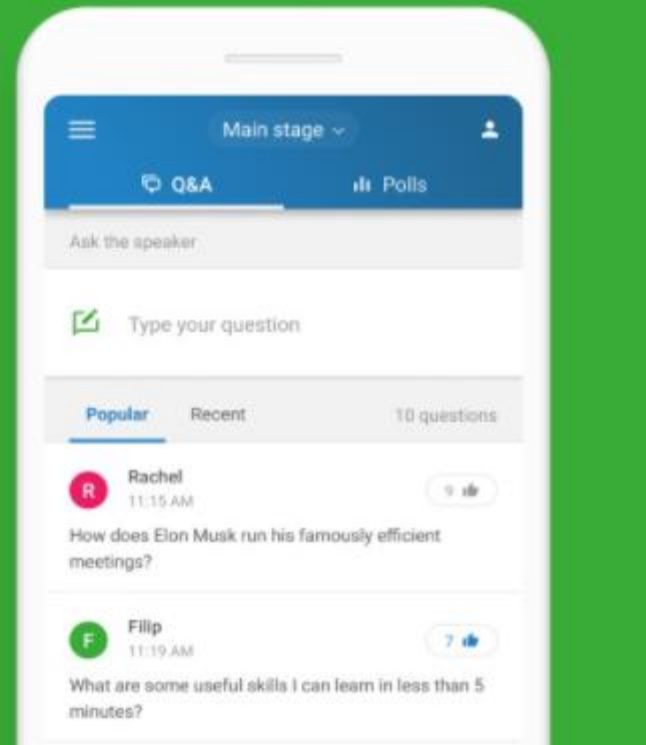
Linda Murphy
Rosedale, MD



Oliver Moe
Arlington, VA

Join the conversation
**Ask questions &
vote in live polls**

slido



We want to hear from you!

1. Go to **sli.do** on your computer or smartphone
2. Use **#JoinTheFight**

COVID-19 Community Research Partnership Updates

Christian Boxley

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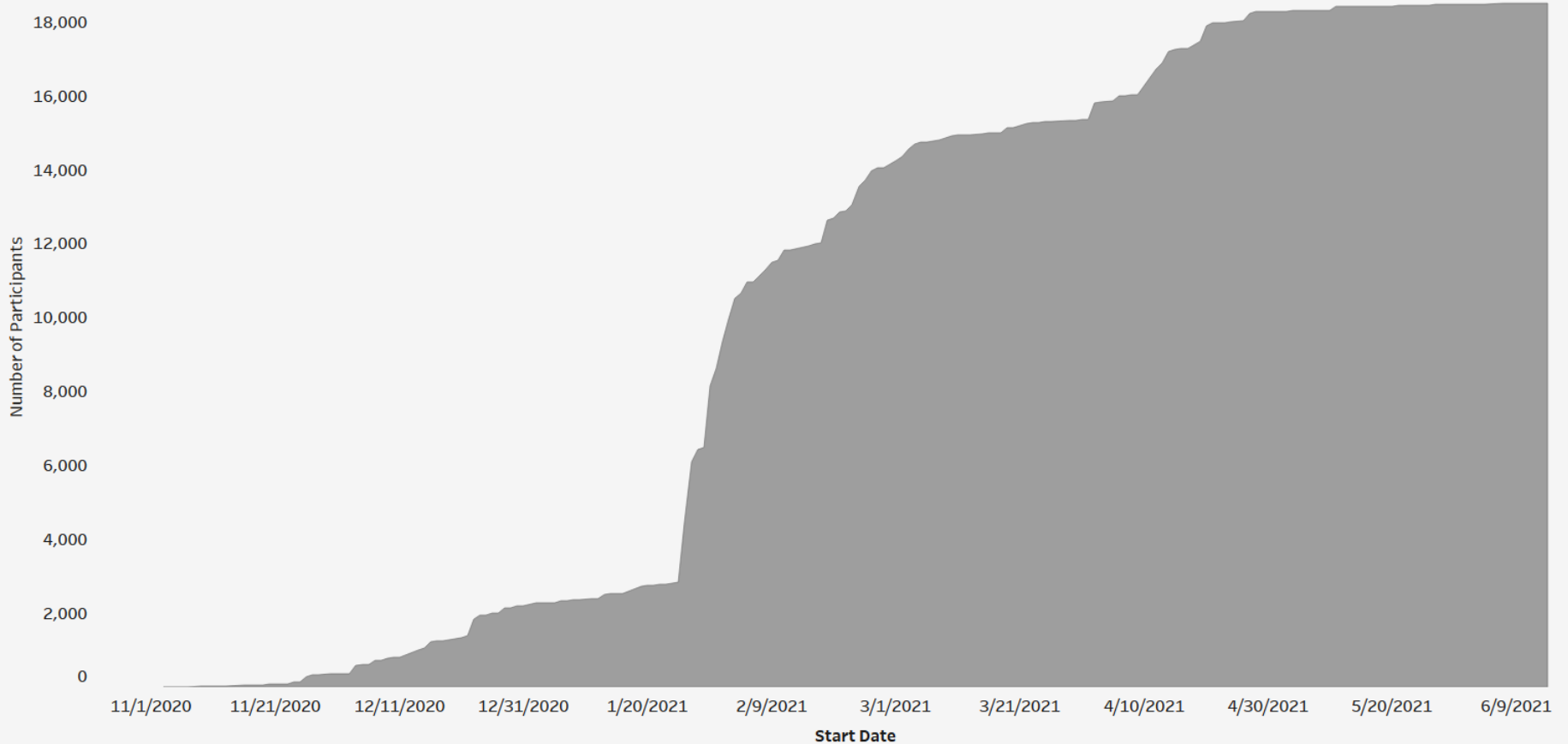
November 3rd, 2020

Study Began

19,779

Participants

As of
June 11, 2021

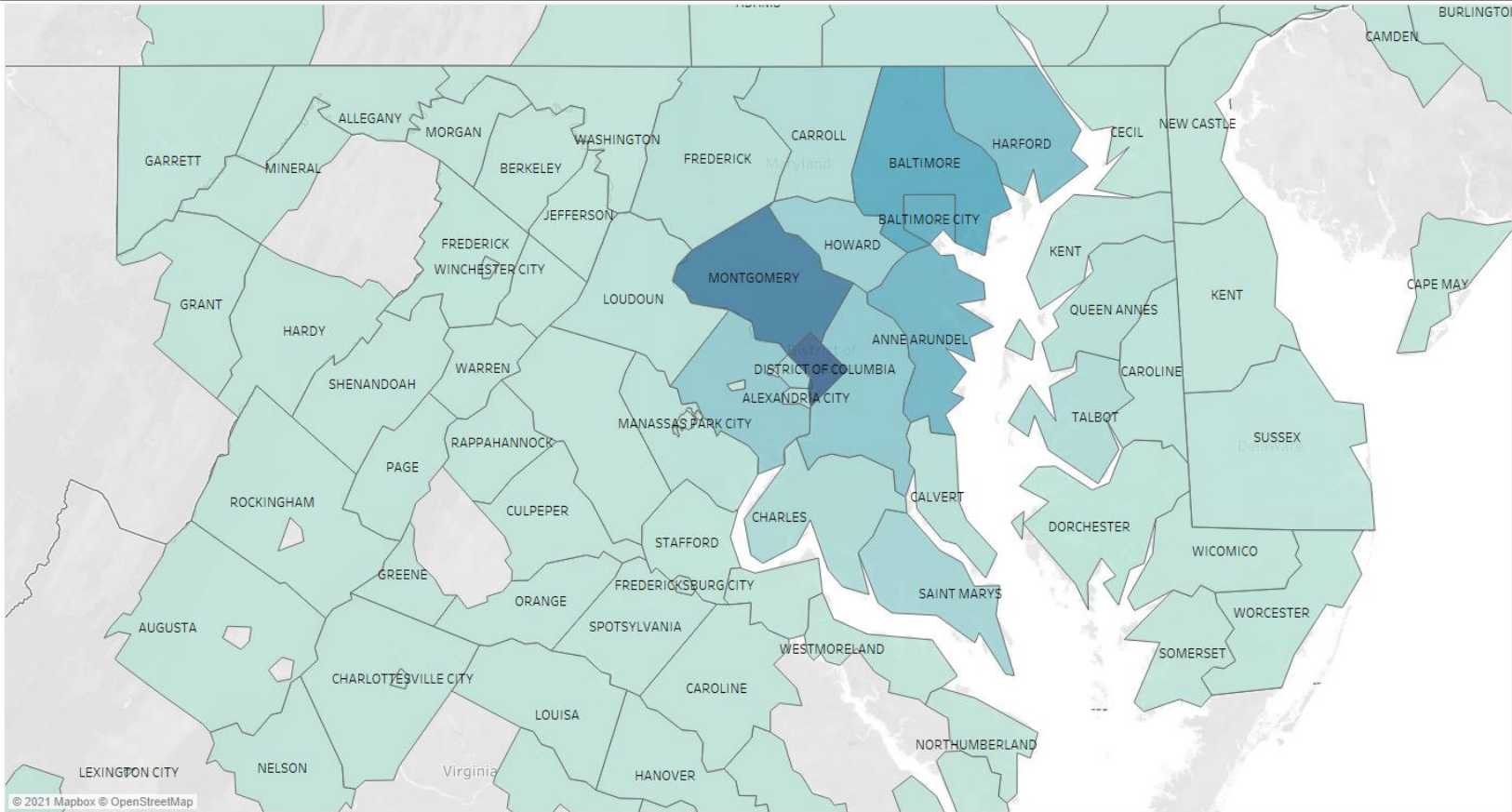


19,779

Participants

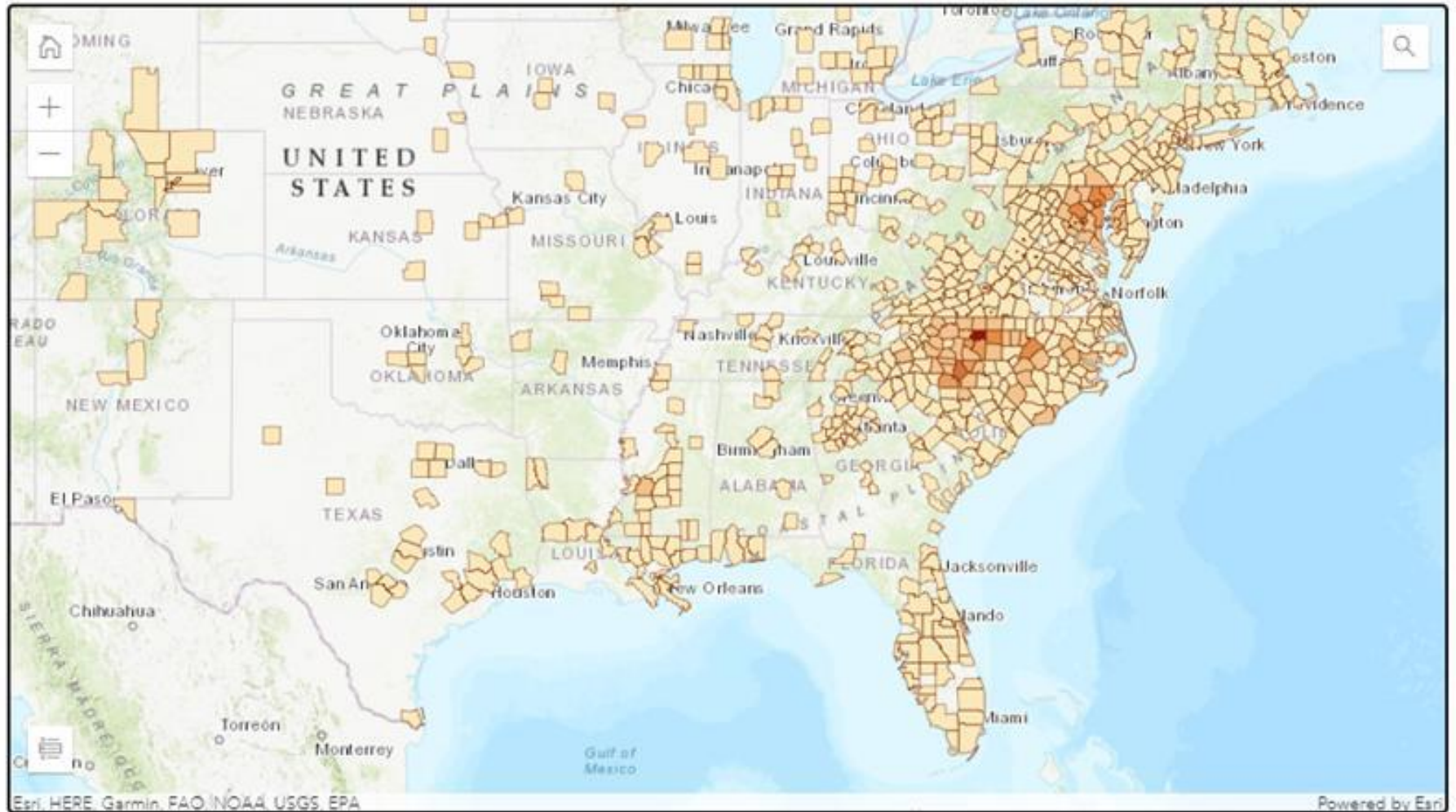
48

States Represented

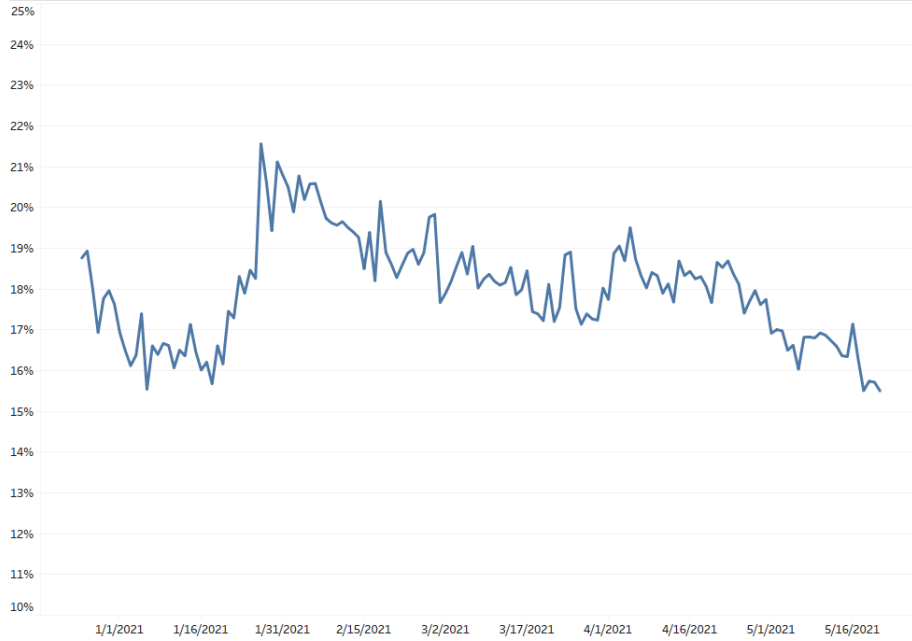


States	
MD	13,111
DC	3,593
VA	2,243
PA	182
FL	77
DE	67
NY	58
CA	49
WV	38
NC	37
TX	35
MA	30
SC	20
CO	19
WA	17
NJ	17
IL	17
GA	15
MI	13
AZ	11
OH	10
OR	9
ME	9
KY	8
HI	8
VT	7
TN	6
NM	6
UT	5
MN	5
WI	4
RI	4
NH	4
LA	4
KS	4
IN	4
AL	4
MT	3
MO	3
ID	3
WY	2
ND	2
MS	2
AK	2
PR	1
OK	1
NV	1
NE	1
IA	1

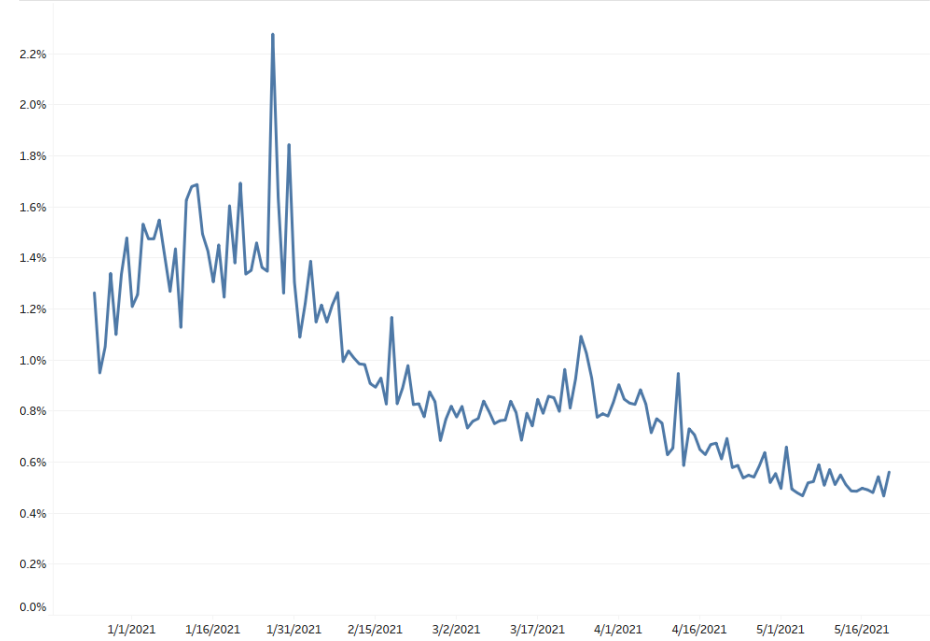
Participant Enrollment



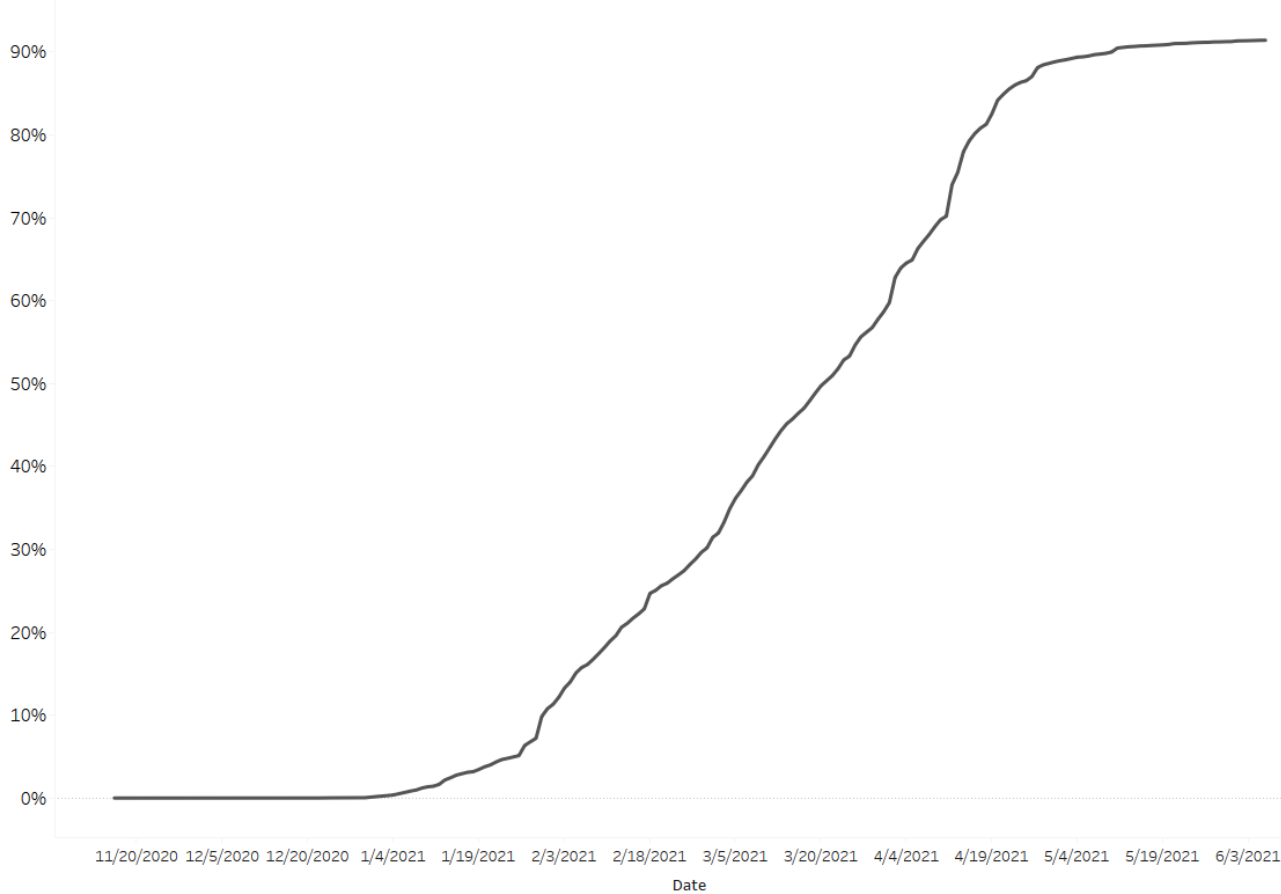
Participants Reporting **Symptoms** - Daily



Participants Reporting **Exposure** - Daily



Vaccinated Participants (MedStar Health only)



Demographics

Race/Ethnicity

American Indian or Alaska Native	91.7%
Asian or Pacific Islanders	92.3%
Black or African American	87.3%
Hispanic or Latino	91.6%
Other Race/Ethnicity	87.0%
White	92.0%

Age

18-29	91.0%
30-39	89.8%
40-49	90.3%
50-59	91.6%
60-69	92.7%
70-79	92.7%
80+	93.4%

Sex

Female	90.7%
Male	93.2%

Participant FAQs - Vaccination

Wilbur H. Chen, MD, MS, FACP, FISDA
Professor of Medicine

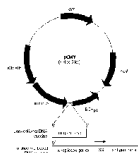
COVID-19 Vaccines

Pfizer	Moderna	J&J	AstraZeneca	Novavax
BNT162b2	mRNA-1273	Ad26.COVS.2.S	AZD1222	NVX-CoV2373
95%	94.1%	66%	76%	96%

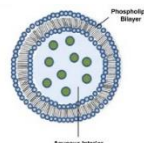
Vaccine Technologies



mRNA



Virus vector



Nanoparticle



Cell culture w/Adjuvant

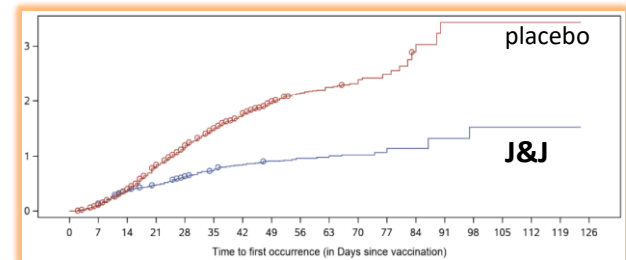
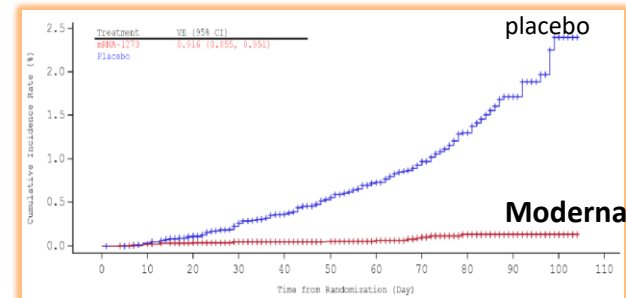
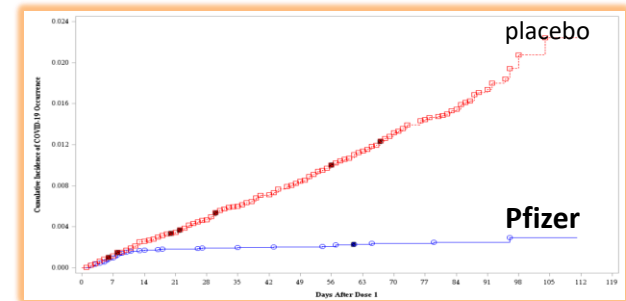
What does Vaccine Efficacy mean?

- Protection from “Moderate” symptoms
Fever, cough, sore throat, chills, shortness of breath, muscle pain, diarrhea, vomiting, loss taste/smell

Other ways to show the Value of Vaccines:

- Prevent hospitalization or death
- Reduce “Long Haulers” symptoms
- Prevent transmission
- Longer duration of protection
- Protection from variant viruses...

Cumulative Incidence Curves



Ongoing Vaccine Information

- Can vaccines stop transmission?
 - Yes
- How long does protection last?
 - At least 6 months and going strong!
 - Will keep checking over at least 2 years
- What about variant viruses?
 - So far, the vaccines will protect
 - But we continue to monitor the variant viruses
- Booster doses?
 - Not certain
 - Some scientist think we should consider after 1 year

Special Concerns on Vaccines

- Genetic Manipulation
 - None of the vaccines will affect your genes
 - No effect on fertility
- Skipping Safety Evaluation
 - All vaccines went through vigorous testing
 - Post-authorization safety testing ongoing
- Preservatives
 - Same ones used in typical pediatric vaccines
 - No porcine gelatin in any COVID vaccines
- Fetal Cell lines
 - Cell lines created in the 1960s-80
 - Only used for cell culture of vaccines

Vaccine Confidence!

Clear Benefits

- Direct protection
- Indirect protection (unvaccinated)
- Spare healthcare costs
- Increase work productivity
- Safer travel, opening business sectors
- Enhance health equity
- Stabilize society

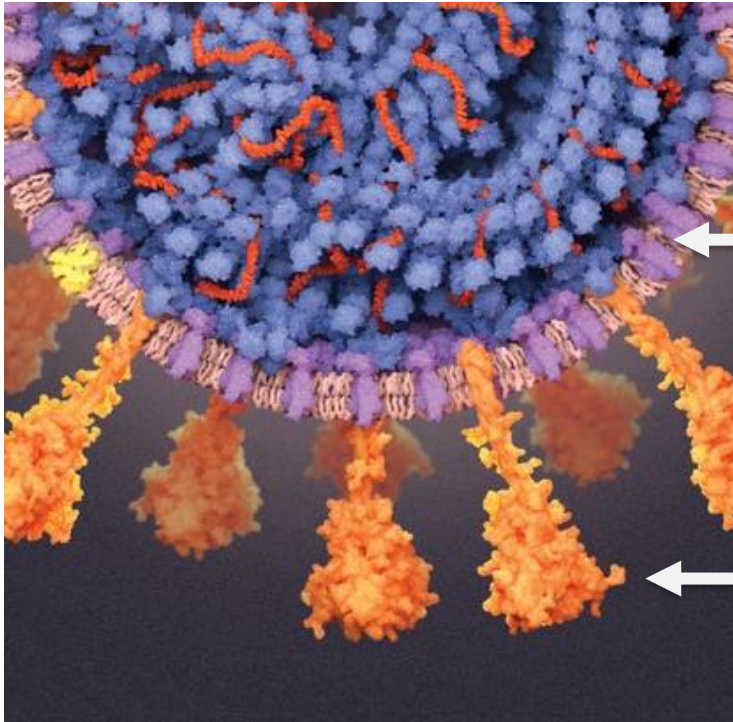
Potential “Risks”

- Short-term, self-limiting side effects (<3 days)
- Very rare allergic reactions
- Very rare blood clots
- Time/cost of vaccination visit
- **Fear/Suspicion** (misinformation)

Participant FAQs – Serology

DeAnna Friedman-Klabanoff, MD, FAAP

What are antibodies and what antibodies do we make to COVID-19?

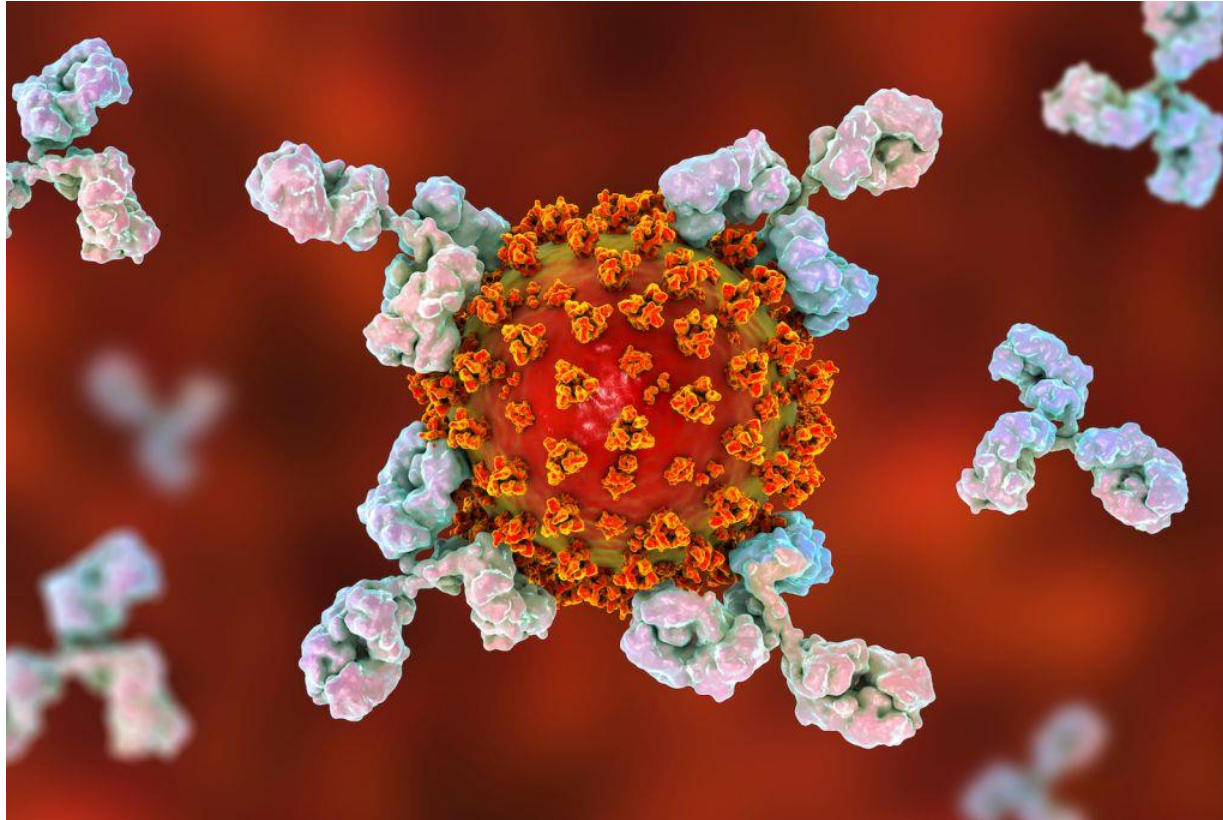


Nucleocapsid Protein (Blue)
- not in the EUA authorized vaccines

Spike Protein (Orange)
- in the EUA authorized vaccines

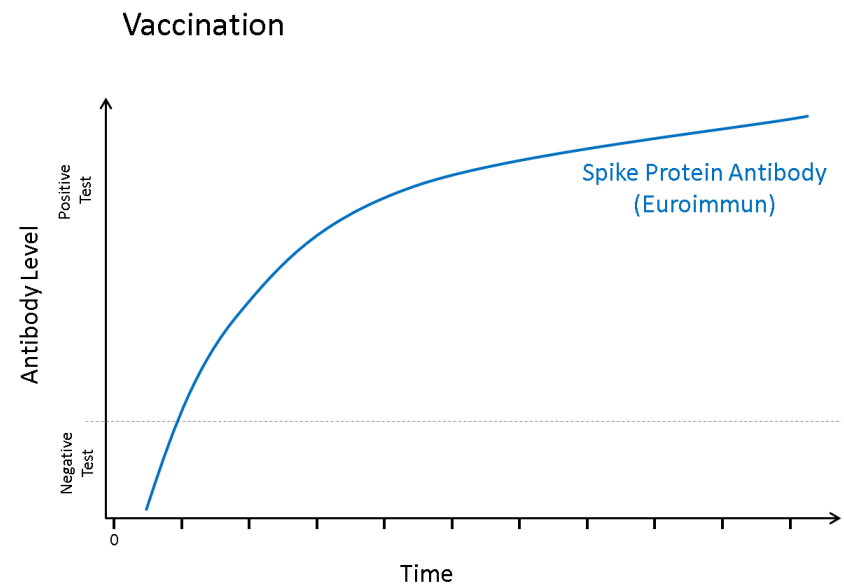
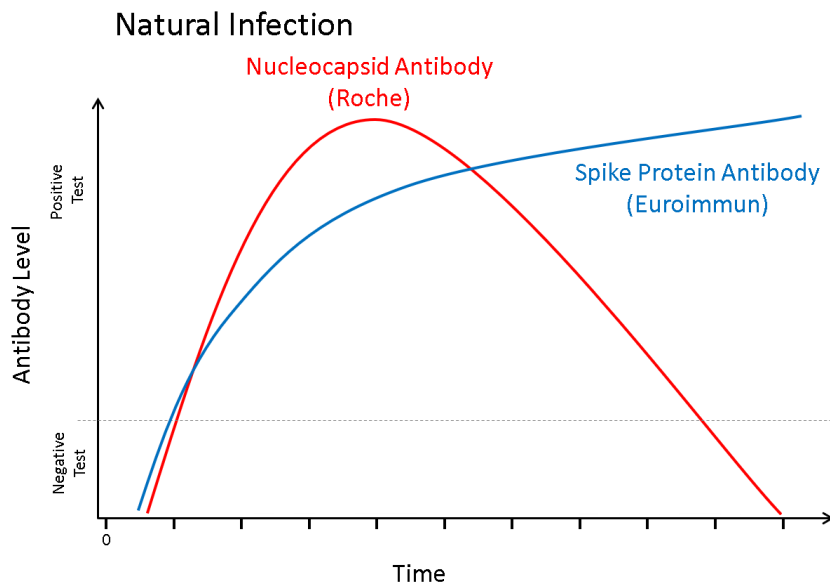
<https://www.scientificamerican.com/article/a-visual-guide-to-the-sars-cov-2-coronavirus/>

What are antibodies and what antibodies do we make to COVID-19?



Shutterstock

What do the antibody results mean?



What do we learn from serology?

- # vaccinated for COVID-19
- # infected with SARS-CoV-2
- Time antibodies (from infection or vaccination) last
- # of infections after vaccination or prior infection

What serology cannot tell us

- Future protection from COVID-19 infection/variants
- Need for a booster shot
- Current COVID-19 infection
- Time since COVID-19 infection
- What variant caused infection

Participant FAQs – What is safe now?

Ella S. Franklin, RN, CRC, EDAC

Choosing Safer Activities



Prevention measures not needed



Take prevention measures

Wear a mask, stay 6 feet apart, and wash your hands.

- Safety levels assume the recommended prevention measures are followed, both by the individual and the venue (if applicable).
- CDC cannot provide the specific risk level for every activity in every community. It is important to consider your own personal situation and the risk to you, your family, and your community before venturing out.

	Unvaccinated People	Examples of Activities	Fully Vaccinated People
Safest	Outdoor		
		Walk, run, wheelchair roll, or bike outdoors with members of your household	
		Attend a small, outdoor gathering with fully vaccinated family and friends	
		Attend a small, outdoor gathering with fully vaccinated and unvaccinated people, particularly in areas of substantial to high transmission	
		Dine at an outdoor restaurant with friends from multiple households	
Least Safe		Attend a crowded, outdoor event, like a live performance, parade, or sports event	
Less Safe	Indoor		
		Visit a barber or hair salon	
		Go to an uncrowded, indoor shopping center or museum	
		Attend a small, indoor gathering of fully vaccinated and unvaccinated people from multiple households	
		Go to an indoor movie theater	
		Attend a full-capacity worship service	
		Sing in an indoor chorus	
		Eat at an indoor restaurant or bar	
Least Safe		Participate in an indoor, high intensity exercise class	

Participant FAQs – What will we learn from the study?

William Weintraub, MD

Stay Involved in Research

Contact us about upcoming research opportunities

- MedStar -Call **833-998-0900 (toll-free)** or Email us at JoinResearch@MedStar.net
- UMSOM CVD – Call **410-706-6156** or Email us at Clintrial@som.umaryland.edu

Find active clinical trials

- MedStar - <https://www.medstarhealth.org/mhri/clinical-trials/our-clinical-trials>
- UMSOM CVD - <https://www.medschool.umaryland.edu/cvd/trials/>

Join other events like this one

- Medstar - Learn more about research in our communities with our partners the Georgetown-Howard Universities Center for Clinical and Translational Science (GHUCCTS)
- Find upcoming events here:
<http://www.georgetownhowardctsa.org/community/ghuccts-in-the-community>

Thank you for **Joining the Fight** against **COVID-19!**

Your participation helps us better understand COVID-19 in our community.



www.MedStarHealth/JoinTheFight

www.medschool.umaryland.edu/cvd/fight/covid



JoinTheFight@medstar.net

covid19-rx@som.umaryland.edu



MedStar: 800-808-5759

UNSOM: 443-457-3548

