

**COVID-19 Cohort Study (CCS):
Study of the epidemiology of COVID-19 in healthcare workers and their households**

Information Sheet and Consent Form - Adults Living with a Healthcare Worker

Study information

Study investigator: Dr. Allison McGeer, Microbiology & Infectious Diseases, (416) 586-3123

Funders: Weston Foundation, Physicians' Services Inc., Canadian Institutes of Health Research, and COVID-19 Immunity Task Force

You are being asked to take part in a research study. Please read the following explanation of what is being asked of you and about the study's risks and benefits before you decide if you would like to take part. Participation is voluntary.

What is the purpose of the study?

To better understand how many people develop COVID-19 infection, how often infection is spread in households, and whether there are microbes or early immune responses (in our nose) that protect or make people more susceptible to infection. We are also studying the effectiveness of COVID-19 vaccines and how antibody levels (in your blood) change over time.

Who is being asked to participate?

People living with someone in the study who works in an acute care, rehab, or complex care hospital or physician's or other healthcare provider's office and who sleep in the same dwelling 3 nights per week or more often, on average

What do I need to do if I decide to participate?

1. An online survey at enrolment and every 12 months (~5-15 minutes)
2. Short online surveys
 - a. every 2nd week (~2 minutes); 1 week in 10 will be a bit longer (~5-7 minutes)
 - b. once about whether you intend to be vaccinated against COVID-19 (~3 minutes)
 - c. once about whether you intend to be re-vaccinated against COVID-19 (~3 minutes)
 - d. after each COVID-19 vaccination (~1 minute each dose)
3. Online illness/test questionnaires
 - a. When you are tested for COVID-19, even if you have no symptoms (~3-5 minutes);
 - b. When you have symptoms that might be COVID, even if you are not tested, (~3-5 minutes);
4. When someone else in your home develops an acute respiratory illness: collect nasal swabs and pledgets (small absorbent papers you put in your nose) on Days 1, 3, 5, 7, & 10 to test for immune responses (what is different in the noses of people who get COVID-19 and those who do not). *This is asked of ALL households where a person has COVID-19 and about 1 in 3 households where a person submits a swab when they have symptoms but test negative for COVID-19*
5. If you agree (optional), self-collect blood samples:
 - a. when you join;
 - b. 30 and 180 days after each dose of COVID-19 vaccine,
 - c. If you are not vaccinated: every 6 months after joining

- d. If you are not re-vaccinated: every 6 months after your last dose of vaccine

Collection of the blood is similar to how people with diabetes check their blood sugar (with a finger pick and a card to put blood drops on). The results will be shared with you after they are tested.

How long will the study last?

The study will last until the end of this new virus spread in Ontario or the end of the study. This means that the study will be at least 4 months and may last until December 1, 2023. You may withdraw at any time by emailing COVID.study@sinahealth.ca or calling 416-294-6383.

Are there any benefits or risks to participating in the study?

- There are no physical risks to participating in the study.
- Collecting a nasal swab or pledget may be uncomfortable.
- If you choose to self-collect blood samples, you may have a small amount of pain or bruising at the prick site. It is occasionally necessary to prick a second finger.
- There is no cost to taking part in the study. All supplies are provided by the study. The study pays to have supplies shipped to your home and returned to the lab.
- There is no direct benefit to being in the study beyond having access to test results. However, information learned from this study may help us reduce the risk of spread of COVID-19.

Expenses associated with participating in the study

When you complete your baseline questionnaire and the first five bi-weekly reports, you will receive an email asking you to choose the retailer for a \$20 electronic gift card.

A draw will be made every 10 weeks throughout the study for a \$10 electronic gift card. All adult bi-weekly reports completed for each 10-week period will be eligible for the draw.

Voluntary participation

Your participation in this study is voluntary. You may decide not to be in this study, or to be in the study now and then change your mind later. You may leave the study at any time without affecting your care. You may refuse to answer any question you do not want to answer, or not answer an interview question by saying "pass".

We will give you new information that is learned during the study that might affect your decision to stay in the study.

Confidentiality

Your data will be kept confidential. You will not be named in any reports. Your name, address, and phone number can only be accessed by the study staff and are needed to ship supplies to you and call with test results. The information collected for the study will be kept on secure servers using encryption software for up to 120 days after the end of the study. It will then be transferred to the Mount Sinai Hospital server and kept there for 10 years before being destroyed. The following people may look at your personal health information to check that the information collected is correct: Representatives of the Mount Sinai Hospital Research Ethics Board or Health Canada. No personal information will be shared outside the study except as required by law.

Who can I talk to if I have questions?

If you have any questions, concerns, or would like to speak to the study team for any reason, please call Dr. McGeer at 416-586-3123 or Dr. Coleman, PhD, at COVID.study@sinahealth.ca or call 647-267-2413.

If you have any questions about your rights as a research participant or have concerns about this study, call the Chair of the Mount Sinai Hospital Research Ethics Board (REB) or the Research Ethics office number at 416-586-4875. The REB is a group of people who oversee the ethical conduct of research studies. These people are not part of the study team. Everything that you discuss will be kept confidential.

ELIGIBILITY

Before you continue, it is important that we make sure that you are eligible to participate. Please check the items that apply to you:

- ☐ I am 18 years of age or older
- ☐ I sleep in the same home (3+ nights per week, on average) as someone who works at Mount Sinai Hospital, Bridgepoint Active Healthcare, or at a physician's or other healthcare office/clinic

CONSENT

- ☐ I have read this information sheet and I understand the study procedures
- ☐ I agree to be a part of the study

OPTIONAL SECTION

- ☐ I agree to collect blood samples as described above