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COVENANT, the COVID-19 Cohort Study of People Experiencing Homelessness in Toronto, Canada: A study protocol

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COVENANT, the COVID-19 Cohort Study of People Experiencing Homelessness in Toronto, Canada: A study protocol

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Article Summary

Strengths and limitations of this study

- This is a large prospective cohort study following randomly sampled people experiencing homelessness over a 12-month period during the COVID-19 pandemic, including during the Omicron wave.
- The team leverages extensive experience conducting research with people experiencing homelessness and is engaging with communities and service providers who provide services to people experiencing homelessness. However, cultural safety and Indigenous-specific ethics and protocols were incorporated into the study after data collection and were more reactionary than embedded. Ongoing research will include Indigenous community partnership as a framework for any Indigenous data sets.
- Recruitment was not possible at most encampments or on the street; individuals in these locations represent about 10% of people experiencing homelessness in Toronto. Therefore, our sample will closely approximate, but will not be fully representative of, the homeless population in Toronto. Further, linkage with administrative data sources will only be possible for those with provincial health coverage.
- As anti-SARS-CoV-2 antibodies decline over time, we may underestimate true prevalence of past SARS-CoV-2 infection in our cohort at baseline.
- Key variables such as infection and vaccination are collected using multiple sources (self-report, saliva and serological testing, linkage with administrative data sources) to minimize vulnerability to biases stemming from self-reported data.

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Abstract

Introduction: Initial reports suggest people experiencing homelessness (PEH) are at high risk for SARS-CoV-2 infection and associated morbidity and mortality. However, there have been few longitudinal evaluations of the spread and impact of COVID-19 among PEH. This study will estimate the prevalence and incidence of COVID-19 infections in a cohort of PEH followed prospectively in Toronto, Canada. It will also examine associations between individual- and shelter-level characteristics with COVID-19 infection, adverse health outcomes related to infection, and vaccination. Finally, the data will be used to develop and parameterize a mathematical model to characterize SARS-CoV-2 transmission dynamics, and the transmission impact of interventions serving PEH.

Design, Methods and Analysis: COVENANT is a longitudinal study following a random sample of PEH from across Toronto (Canada) for 12 months. 736 participants were enrolled between June and September 2021, and are being followed up at 3-month intervals. At each interval, specimens (saliva, capillary blood) are collected to determine active SARS-CoV-2 infection and serologic evidence of past infection and/or vaccination, and a detailed survey gathers self-reported information, including a detailed housing history. To examine the association between individual- and shelter-level characteristics on COVID-19 related infection, adverse outcomes, and vaccination, shelter and health care administrative data will be linked to participant study data. Health care administrative data will also be used to examine long-term (up to 5 years) COVID-19 related outcomes among participants.

Ethics and Dissemination: Ethical approval was obtained from the Unity Health Toronto and University of Toronto Health Sciences Research Ethics Boards. COVENANT was designed in collaboration with community and service provider partners and people having lived experience of homelessness. Findings will be reported to groups supporting COVENANT, Indigenous and other community partners and service providers, funding bodies, public health agencies and all levels of government to inform policy and public health programs.

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Background and Rationale

More than 235,000 people experience homelessness in Canada every year.¹ Homelessness places people at high risk of contracting severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)², as shared living spaces, crowding, difficulty achieving physical distancing, and high population turnover typical of homeless shelters all promote transmission.^{3,4} Moreover, people experiencing homelessness (PEH) have disproportionate intersecting physical, mental, and social burdens that greatly increase morbidity and mortality relative to the general population,^{5–8} including physical and mental health conditions associated with adverse outcomes following COVID-19 infection⁸⁻¹².

To date, most studies describing incidence or prevalence of COVID-19 among PEH have been cross-sectional in design, many focussing on a convenience sample of shelters during the first or second waves (from March to December 2020). As a result, estimates from these studies vary widely depending on setting, timing and preventive measures in place¹³⁻²⁵, with variability primarily determined by whether the settings, in most cases emergency shelters, were experiencing an outbreak^{13,15-16,19,26}. One study using a longitudinal design estimated 6% prevalence in summer 2020, increasing to 18.9% within 90 days (coinciding with the early part of the second wave)²⁷. Generally, PEH are more likely to be infected than a reference general population²⁸⁻²⁹.

Specific settings, including emergency shelters and those with overcrowding or communal sleeping arrangements, are associated with increased risk of infection, presumably due to greater exposure during outbreaks compared to PEH living outdoors or in private and/or well distanced accommodations^{15-18, 24-27}. In Wales, where PEH were comprehensively housed in private settings during the pandemic, COVID-19 prevalence was lower than in the general population³⁰. Similarly, shelters implementing physical distancing practices have been shown to have lower infection rates¹⁵. Evidence for other individual- or shelter-level factors associated with COVID-19 infection remains to be established, and effectiveness of most interventions remain to be evaluated.

Finally, the few studies to date which have investigated vaccine coverage among PEH report low coverage compared to the general population. US-based estimates place coverage among PEH 11.0% to 37.2% lower than the general US population³¹⁻³²; Another recent Canadian study suggests vaccination rates among Ontario PEH who use health care are 25% lower that of adult Ontarians³³.

This prospective cohort study has five broad objectives:

- 1. Determine the incidence and prevalence of COVID-19 infection, related complications and vaccination-status among PEH in Toronto over a 12-month observation period.
- Examine the association between housing history, and individual- and shelter-level characteristics (including shelter-level interventions) with incident COVID-19 infection among PEH over a 12-month observation period.
- Investigate associations between individual- and shelter-level characteristics and adverse outcomes among PEH diagnosed with COVID-19 over a 12-month observation period, and over long-term follow-up (up to 5 years after recruitment).
- 4. Assess vaccination uptake among PEH and factors associated with vaccination.
- 5. Develop a novel transmission model for COVID-19 among PEH living in urban settings.

COVENANT has two associated studies not described in this protocol: a) a genomics study aiming to evaluate the phylogenetics of SARS-CoV-2 positive samples among PEH in Toronto, to determine the utility of viral sequencing in outbreak assignment; and b) a qualitative study focusing on the pandemic experiences of PEH and drivers of vaccine uptake and hesitancy, to develop strategies to reduce barriers and improve confidence in vaccination and other protective strategies.

Methods and analysis

Design and setting

COVENANT is an ongoing prospective, longitudinal study being conducted between June 2021 and December 2022 in Toronto, Canada. Toronto is the country's largest city, and has the largest group of PEH in Canada³⁴. A recent point-in-time count estimated 7,347 PEH were in Toronto on a single night, with approximately 90% staying indoors (e.g. at shelters) and 10% staying outdoors on the street or in encampments.³⁵ Approximately 15% self-identified as Indigenous.³⁵ In Toronto, numerous community and service organizations, such as Anishnawbe Health Toronto and the Inner City Health Associates, provide PEH with targeted health and social services. The Shelter, Support & Housing Administration (SSHA) Division manages housing and homelessness services across the city, and policies and strategies related to containment and mitigation of COVID-19, including testing and vaccination, are guided by public health authorities at provincial and regional levels.³⁶

Throughout the pandemic, PEH have been identified as being at higher risk for infection and related complications³⁷. As a result, they received priority testing status when diagnostic tests were limited and prioritization for vaccination, and funding has been made available to establish physical distancing hotels^{38,39}.

Data from Indigenous participants in this study are possessed and owned by Anishnawbe Health Toronto (AHT), a fully accredited health centre which serves Indigenous clients with a model of care based on Indigenous culture and traditions using both western and traditional approaches. Research focused on Indigenous study participants will be led by AHT and Waakebiness-Bryce Institute for Indigenous Health.

Eligibility criteria

To be eligible, participants had to be aged 16 years or older, experiencing homelessness at time of recruitment⁴⁰, able to provide informed consent, willing to provide a finger-prick blood

sample at baseline and each follow-up encounter, and to be contacted for follow-up encounters.

Recruitment and consent

We obtained a representative sample of PEH living in emergency and provisionally sheltered settings using field-tested methods used successfully in two previous studies.^{41,42} Recruitment, data collection and follow-up was conducted by the Survey Research Unit (SRU) of the MAP Centre for Urban Health Solutions, which has extensive expertise in research involving PEH. Recruitment occurred from June 2021 to September 2021 at 61 physical distancing hotels and shelter sites for youth (16-24 years), adults, and families experiencing homelessness in Toronto. Recruitment at major encampment sites was planned; however, because municipal authorities enforced a series of encampment clearances during the recruitment period,⁴³⁻⁴⁵ only one encampment recruitment visit could be completed. Due to prohibitive logistical considerations, we were unable to recruit individuals living on the street.

A random number schedule was assigned to randomly select beds or rooms at each shelter or hotel site. Staff approached each potential participant from eligible beds/rooms to confirm study eligibility; Once confirmed, staff explained the purpose, process, risks, and benefits of the study. Participants chose to participate by providing written informed consent (Supplement 1). For encampments, research staff worked with outreach workers to approach and invite encampment residents to participate. Due to the small number of encampment residents, all residents were approached and invited, if eligible.

Most potential participants were able to understand and participate fully in the consent process. Where doubts existed, an Additional Consent Measures Checklist (Supplement 2) was used to confirm understanding of key aspects of the letter of information and consent form. Additionally, we offered access to an on-the-spot interpretation service to prevent language barriers to participation.

Participants can withdraw from the study at any time. If a participant withdraws, research staff cease further data collection, and will not re-contact the participant. Because interim analyses will be performed throughout the follow-up period, participants are unable to retroactively withdraw data that has already been collected.

Promotion of continued participation

Longitudinal studies with PEH face special challenges with follow-up. To minimize attrition, we are using methods effective in tracking and retaining study participants living in homeless or marginalized housing situations.⁴⁶⁻⁵⁰ At each interval and during recruitment, interviewers endeavor to establish trust and rapport with participants. Participants receive a \$40 CAD honorarium at each interview as compensation for their time. Participants are also asked to provide detailed contact information, as well as contact information of family, friends, and other service providers that we may contact if research staff are unable to reach the participant. Finally, participants are asked to call research staff at a toll-free study number between interviews to provide updates about contact information and location. Participants who do this receive an additional \$10 CAD honorarium at the next follow-up encounter.

Sample size

We used the exact Clopper-Pearson Confidence Interval (CI) formula to calculate the sample size required to estimate a 95% CI with half-width (precision) of 5% or less for the primary outcome (incidence of SARS-CoV-2 infection over 12 months). A sample size of 402 achieves this goal under incidence scenarios between 10% and 90%. Assuming a follow-up rate of 80% at the end of the 12-month period, the initial sample size required is 503. This sample size is further inflated to account for participants with past infection at baseline who must be excluded from the calculation of incidence. Assuming 75% of participants are uninfected at baseline, the sample size required is 503/0.75 = 670. Thus, we conservatively planned for a

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sample size of 700, achieved by sampling among a fraction (20%) of beds available at each participating site.

We recruited a total of 736 participants between June and September 2021.

Data collection

Baseline

At the time of recruitment, research staff conducted a 60- to 90- minute baseline interview (Supplement 3). Telephone interpretation service was used as needed. The interview asked participants about their sociodemographic information (age, sex, gender identity, race, Indigenous identity, immigration/refugee status, education, weight, height, and duration of current period of homelessness), health information, housing history, prior COVID-19 infection history, current COVID-19 symptoms, vaccination history, and activities and behaviours related to COVID-19.

Participants also provided two self-collected saliva samples and one finger-prick blood sample at baseline. Saliva specimens for the detection of SARS-CoV-2 have been shown to be sensitive, safe and less invasive to obtain compared to nasopharyngeal specimens.^{51,52} One saliva sample was obtained using the mouth swish-and-gargle technique⁵³. The second saliva sample, used for parallel detection of antibodies against SARS-CoV-2, was collected using Salivette tubes, for which participants kept a swab in their cheek for 2 minutes or until the swab was saturated⁵¹. Approximately 250 µL of capillary blood was collected into a plasma tube (BD365985). If collection of blood into a plasma tube was unsuccessful, blood was blotted onto filter paper (Whatman 903) as a dried blood spot.

Follow-up

Follow-up interviews occur approximately every three months after the baseline interview, and must occur between 45 and 135 days after the previous interview. If this time window is missed, the interview is skipped and participants are contacted for the subsequent interview. If the research team cannot re-contact the participant, they will contact the shelter program where the participant is currently registered according to Shelter Support & Housing Administrative (SSHA) databases, or their last known location if not registered in the databases, to locate them.

Follow-up interviews take approximately 30 minutes, and may take place at the site of recruitment, another shelter program, or another location in the community convenient to the participant. One saliva sample (swish and gargle method) and one finger-prick blood sample is acquired, and updated information regarding housing history, prior COVID-19, vaccination history and behaviours related to COVID-19 are recorded.

Research staff use personal protective equipment during all interviews, including face masks, face shields, gowns and gloves, and participants are required to wear face masks during the interviews. Table 1 shows the full schedule of interviews and biological specimens collected each interval.

Table 1 – Summary of intervals and associated domains and specific instruments/methods for data collected

Interval	Domain	Method/instrument	Purpose
Baseline	Socio-demographics		To describe the participant
	Health		To describe the participant
	Prior COVID-19		To describe the participant
	Activities and behaviours related to COVID-19		To describe the participant
	Housing		To describe the participant
	Biological samples	Saliva sample (Swish and gargle method)	Detection of current SARS- CoV-2 infection
		Saliva sample (Salivette tube method)	Detection of past antibodies against SARS-CoV-2

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		Finger-prick capillary blood sample (500 μL) and/or Dried blood spot	Detection of past antibodies against SARS-CoV-2
Follow-up (3, 6, 9, 12 mths)	Health		To describe the participant since last interview
	Prior COVID-19		To describe the participant since last interview
	Activities and behaviours related to COVID-19		To describe the participant since last interview
	Housing		To describe the participant
	Biological samples	Saliva sample (Swish and gargle method)	Detection of current SARS- CoV-2 infection since last interview
		Finger-prick capillary blood sample (500 μL) and/or Dried blood spot	Detection of past antibodies against SARS-CoV-2 since last interview

Data Recording and Processing

Survey information is entered onto tablets during the interview, removing the need for secondary data entry. An original copy of the data is kept separate from a master copy, which undergoes quality control assessments by two research team members independently to identify invalid or suspect data. Any inconsistent information undergoes further evaluation, and the team collaboratively decides if and how to correct the master dataset. Decisions about corrections are recorded.

Current COVID-19 infection is determined by quantitative reverse transcription polymerase chain reaction (RT-qPCR) for SARS-CoV-2 in saliva. Samples are processed in a clinical microbiology lab with standard methods^{51,54}. Evidence of past COVID-19 infection and/or response to vaccination is determined by enzyme-linked immunosorbent assay (ELISA) for anti-SARS-CoV-2 IgG antibodies against the spike protein trimer, the spike protein receptor-binding domain (RBD), and the nucleocapsid antigen in capillary blood, or in dried blood spot samples

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obtained when capillary blood cannot be obtained. These assays are validated; details of the assays are reported elsewhere.⁵⁵

Linkage

Participants having provincial healthcare coverage will have their data linked to Ontario health administrative data holdings at ICES⁵⁶ to accessing historical (up to 10 years back) and on going (up to five years forward) information on COVID-19 testing, health conditions relevant to COVID-19, emergency department visits, hospitalizations, and deaths. This linkage is accomplished using name, date of birth, and health card number (a unique identifier permanently assigned to each individual covered by Ontario's single-payer universal health insurance system). ICES is an independent, not-for-profit research institute that hosts Ontario's health administrative data, and has provided extensive reporting related to COVID-19 in Ontario⁵⁷.

In addition, aggregate shelter-level data and participant use of physical distancing hotels or shelter programs in Toronto, as well as site-specific information (e.g. gender mix, bed capacity, shelter layout, documented COVID-19 infections among residents and staff) will be obtained from the SSHA Division of the City of Toronto for one year prior to the start of recruitment, and up to two years following recruitment.

Outcomes

The main outcomes of interest are incidence of COVID-19 infection over 12 months, and prevalence of COVID-19 infection at 12-month follow-up. At each time point, incident infection will be defined as: a) positive saliva PCR test in an individual without previously positive saliva PCR or blood serology tests; or b) positive blood serology test in an individual without previously positive serology. As certain antibodies are present with both vaccination and infection⁵⁸, final infection and vaccination statuses are adjudicated following a decision tree

(Supplement 4) which uses biological sample results and self-reported infection and vaccination information.

Secondary outcomes of interest include: a) COVID-19 vaccination status, determined by selfreport, serology tests or ICES confirmation in its provincial vaccination database (COVAXON); and b) health complications arising from COVID-19 infection, as determined by self-report and health administrative databases at ICES, both over the short (within one year) and longer term (within five years).

Statistical analyses

Unless otherwise indicated in the manuscript, we will estimate prevalence of past COVID-19 infection as the proportion of participants who had a positive PCR or adjudicated serology result at any point during the 12-month observation period.⁵⁹ Incidence will be calculated as incidence proportion (number of participants with incident COVID-19 infection during a time point divided by uninfected participants at baseline) and incidence rate (number of participants with incident COVID-19 infection during a time point divided by total person-months of observation) at all time points. Where infection date information is unavailable, it will be imputed assuming that new infections occur at a random time between the last negative and first positive PCR or adjudicated serology result available.⁶⁰

To explore factors associated with infection incidence, we will fit Poisson regression models to estimate rate ratios and 95% confidence intervals (CIs), or time-to-event models to estimate hazard ratios and 95% CIs, as appropriate. Infection incidence will be the dependent variable, and individual- and shelter-level characteristics will be independent variables (either summarized for the period or as time-varying covariates). To explore factors associated with adverse outcomes and vaccination status, we will construct logistic regression models to estimate odds ratios and 95% CIs for COVID-19 hospitalization, COVID-19 ICU admission, COVID-19 death, and COVID-19 vaccination, respectively. Housing state history and individual- and

shelter-level characteristics will be selected as covariates, as appropriate (either inferentially or where unadjusted associations are statistically significant).

Data may be missing for specific variables if participants decline to answer, or for entire intervals if participants are not found within the specific time-frame for that interval. In these cases, we will perform multiple imputations, either for the main analysis or as sensitivity analyses as the situation dictates.⁶⁴ Individuals who cease participation or who die during follow-up may not be missing at random; as such, these individuals may be analyzed separately if their model trajectories are found to differ substantially from the cohort as a whole.

For objective 5, we will simulate SARS-CoV-2 transmission using a modified, compartmental, Susceptible-Exposed-Infectious-Recovered (SEIR) mathematical model.⁶¹⁻⁶³ The model will include asymptomatic and pre-symptomatic states and strata for temporary housing, infection control, masking, and vaccination. The network structure of the model will be specified as a patch (or meta-population) model, where shelters represent facility-patches and surrounding neighborhoods represent community patches. PEH, staff, and volunteers will connect shelter patches. We will use COVENANT baseline COVID-19 prevalence with anonymized person-level characteristics (including contract rates and mixing [who contacts whom]), external COVID-19 surveillance data (person-level and outbreak data by shelter), shelter-level characteristics, and data from the literature to parameterize and calibrate the transmission model.

We will use the transmission model to estimate SARS-CoV-2 incidence trends and the probability and size of future outbreaks and to conduct counterfactual modeling experiments. The latter will be used to evaluate the transmission impact of population-specific intervention strategies and programmes that were implemented in Toronto during the pandemic (such as physical distancing efforts at shelters and physical distancing hotels; COVID-19 isolation strategies; vaccination programs; housing interventions; and to estimate the potential impact of future population-specific interventions and preparedness strategies focused on the needs of PEH.

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Statistical analyses will be conducted using R, STATA, and SAS; the transmission model will be coded in R and C++. All statistical tests will be two-sided and a p-value of 0.05 or less will indicate statistical significance. Reporting will adhere to the Strengthening the Reporting of Observational Studies in Epidemiology (STROBE) guidelines⁶⁵; transmission modeling reporting will follow the ISPOR Best Practices in Transmission Dynamics Modeling⁶⁶.

Study limitations

The COVENANT study has several limitations to consider. First, this study is being conducted in a single city (Toronto, Canada). Findings may not be generalizable to other settings with different policies, social or health care settings or contexts, or homeless populations with markedly different characteristics. Second, due to logistical constraints, our study recruited no participants living on the street, and very few participants at encampments. The 2021 Street Needs Assessment indicates that, during a time of the year with moderate climatic conditions (spring), approximately 10% of PEH in Toronto were staying in settings not sampled³⁵. Therefore, our sample will be close to, but not entirely representative of, the homeless population in Toronto. Third, many recent studies have found evidence that anti-SARS-CoV-2 antibodies decline over time.⁶⁷⁻⁶⁹ This is an inherent limitation of all serological studies, and may lead us to underestimate the true SARS-CoV-2 prevalence in our cohort. Fourth, Indigenous ethics and protocols were incorporated into the study after data collection and were more reactionary than embedded. Ongoing research will include Indigenous community partnership as a framework for any Indigenous data sets.

Finally, and as with most other cohort studies, we rely on the collection of self-reported data from participants, which suffers from potential biases including social desirability and recall bias. We have, however, minimized the impact of these biases by also collecting key variables (e.g. infection and vaccination) through saliva and blood samples, and will also cross-reference against information in health administrative data.

Ethics and regulatory aspects

Ethics approval

The COVENANT study has been approved by the Unity Health Toronto Research Ethics Board (REB). All changes to the protocol are communicated to and receive approval from the REB before implementation. COVID-19 infection events are being obtained for modelling from the Case and Contact Management (CCM+) database made available from the Ontario Ministry of Health and Ontario COVID-19 Modelling Consensus Table, with approval from the University of Toronto Health Sciences REB. Ethical approval from the community partner (AHT) is incorporated in an ongoing manner and they will continue to be consulted through the life of the project.

Participant safety

The main benefit to participants is detection of active COVID-19 infection through RT-qPCR testing. Because the saliva test used in this study is not currently approved for clinical use, participants cannot be formally diagnosed with COVID-19 unless they subsequently undergo confirmatory testing. Until January 2022, we attempted to contact participants who had positive test results to assist with referral and transportation to a COVID-19 Assessment Center for confirmatory testing. Beginning in January 2022, when confirmatory testing was no longer advised by provincial guidelines, we continued to notify Toronto Public Health of positive test results and contacted participants who test positive to ask them to self-isolate following their shelter or residence's usual procedure.

The main risk to participants is the possibility that some may find certain interview questions challenging or uncomfortable. To mitigate this risk, the interview guide was pilot-tested with several people having lived experience of homelessness and reviewed by partners at AHT

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before recruitment. Participants were also told they may choose to not answer specific questions or stop the interview at any time. Also, cultural safety was identified as a potential issue for participants subsequent to data collection and has since been addressed by the incorporation of culturally-safe Indigenous researchers to the research team.

A second, minor risk for participants is the transient pain or discomfort caused by finger-prick blood sampling at each encounter.

Dissemination

With the help of the Canadian Alliance to End Homelessness, we will disseminate interim and final results through brief reports, presentations and meetings to our extensive network of researchers, clinicians, public health professionals, and community and political leaders in cities across North America. The transmission model code from objective 5 will also be shared as open-access code and thus comprise a tool for future use in Toronto, and for adaptation in other settings.

Anishnawbe Health will lead the dissemination plan for Indigenous data and results to ensure the minimization of harm and to maximize benefits for Indigenous Peoples.

Data protection and retention

The research team is making every effort to keep data confidential in accordance with all current local and provincial privacy legislation. Indigenous data is possessed and owned by AHT according to OCAP® principles⁷⁰. Information and biological samples are only linkable through a unique study identifier. Personally identifying information is stored in a Master Linking Log, which is only used by designated team members to contact participants and for administrative data linkage with participant consent. Contact information are stored separately in a password-protected database. All study data are stored at St. Michael's Hospital on a secure and

password-protected computer server. Saliva samples for RT-qPCR, blood samples for ELISA and salivettes are stored at Mount Sinai Hospital and the University of Toronto.

All study information and samples will be kept for a period of at least 10 years from the end of the study and then destroyed.

Patient and public involvement

The survey instruments were pilot tested with individuals with lived experience of homelessness. Pilot test participants were not asked to provide samples, nor will their data be used in the study.

Data availability

Data from the COVENANT study will be available for collaborative research questions. Such requests must be authorised by the data owners (the principal investigator and AHT) and appropriate Human Research Ethics Committees and Human Research Governance Safety Entities. Data pertaining to Indigenous participants is possessed and stored by AHT.

Transmission model code, without patient-level data, will be shared as an open-access modelling platform and tool for future use in Toronto and for adaptation in other settings.

Acknowledgements

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Competing interests statement: The authors have no competing interests.

<u>Author contributions</u>: SH conceived of the study. SH, RN, ML, SM, ACG, JG and SB assisted with study design. RN, ML, CP, OS and JH designed the survey instrument. CP, OS, RS, JH, RN and LR helped with data collection and/or processing. RN and LR provided statistical expertise and LR is writing the statistical analysis plans, conducting the primary statistical analyses and drafting study manuscripts. SM and SB designed and are leading the transmission modeling. All authors contributed to refinement of the study protocol. LR drafted the manuscript, and all authors reviewed and approved the final manuscript.

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4 5	necessarily reflect those of the funders.
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Supplementary information

Supplement 1: Consent form

Supplement 2: Additional Consent

Supplement 3: Survey instrument

Supplement 4: Adjudication of serological and self-report infection and vaccination data

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Letter of Information and Consent to Participate in a Research Study



<u>Title of Research Study:</u> The COVENANT Study: COVID-19 Cohort Study of People Experiencing Homelessness in Toronto

Principal Investigator	Dr. Stephen Hwang MAP Centre for Urban Health Solutions, St. Michael's Hospital Tel: 416-864-5991
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Study personnel can be reached from Monday to Friday, 9:00 am - 5:00 pm.

Funding

This study is funded by the COVID-19 Immunity Task Force (CITF). The investigators have no conflicts of interest to disclose.

Introduction

You are being asked to consider taking part in a research study because you are currently experiencing homelessness. Before agreeing to take part in this research study, it is important that you read the information in this research consent form. It includes details we think you need to know in order to decide if you wish to take part in the study. If you have any questions after you read through this form, please ask the research team. You should not sign this form until you are sure you understand all the information on the form. Participation in this study is voluntary.

Purpose of the Research

The purpose of this study is to collect information on COVID-19 among people experiencing homelessness. Homelessness puts people at high risk during the COVID-19 pandemic. This study will provide important information on the spread of COVID-19 in the homeless population. This information may help support the health of people experiencing homelessness during the pandemic.

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For this study, we will be recruiting 700 study participants from shelters, hotel programs and homeless encampments in Toronto, and then following-up with participants every 3 months for one year.

Description of the Research Activities

If you consent to participate in the study, you will be asked to participate in a total of 5 interviews: one interview today and then one interview every 3 months for the next year. We will ask you questions such as demographics, housing history, and questions about your thoughts and experiences with the COVID-19 vaccine. At the time of each interview you will also be asked to provide a saliva sample, where you will swish and gargle a solution for a period of time then spit into a cup, and a finger-prick blood sample (where we take a few drops of blood from your finger). At the interview today, you will also be asked to provide a second saliva sample by chewing on a swab. (Please note that using saliva samples to test for COVID-19 is not the standard method in Ontario. If you receive a positive test result, you will be asked to have a nasopharyngeal (NP) swab test to confirm the results.) The saliva and blood samples will be sent to research labs at Mt. Sinai Hospital and The University of Toronto, where scientists in the lab will test the saliva to see whether you currently have the COVID-19 virus, and will test the blood sample to see if you have antibodies to COVID-19, which would indicate if you have had COVID-19 in the past. These antibodies are substances that the body makes in response to infection with COVID-19. Please note, having antibodies does not necessarily mean you have developed immunity or are resistant to COVID-19. It simply means you were probably exposed to the virus at some point in the past. If you would like to receive the results of your antibody tests at the end of the study, we will call you after your last interview to give you the information. The interviews will take approximately 30-45 minutes to complete.

We also ask that you call a toll-free study number around 1 month before each interview to provide us with any updates to your contact information.

Other Research Activities

In addition to collecting information from you directly, with your permission, we would also like to collect additional information from the sources listed below and explained in detail at the end of this letter. You will be asked to consent specifically to each of these and may opt out if desired.

- 1) Health-related information from ICES
- 2) Shelter use information from the City of Toronto's Shelter Support & Housing Administration Division
- 3) Contact information of friends, family, and service providers
- 4) Permission to contact you for related research studies in the future
- 5) Permission to obtain any positive COVID-19 test swab from the laboratory and look at the COVID-19 virus's genetic fingerprint. We will only be looking at the genetic material of the COVID-19 virus, NOT your DNA.

Your health card number, name, date of birth, and gender/sex listed on government documents will be securely transferred from St. Michael's Hospital to the Institute for Clinical Evaluative Sciences (ICES) to help us gather information about your health, including any health conditions, COVID-19 testing, and hospital use. ICES is an organization where people's health information including health care use in Ontario is stored. The information will be securely

provided to the research team by ICES as coded information only for analysis. Any personal identifiers such as your health card number or name will be removed or replaced with a code that is not known to the research team.

Your name, date of birth, and gender/sex will be securely transferred from St. Michael's Hospital to the Shelter Support & Housing Administration Division to obtain information about your use of shelter programs in Toronto. For example, if you move to stay at a shelter program different from your current location, we will be notified of this information. These data will cover a period of one year before you join the study and will go up to two years after you have joined the study. Your name, date of birth, and gender/sex will also be used to help the research team locate you for upcoming interviews.

If you consent, we will obtain any positive COVID-19 test swabs from the laboratory and look at the COVID-19 virus's genetic fingerprint. Your sample will be transported from the original testing laboratory to the Sinai-UHN laboratory. A technician will extract genetic material from the virus that will be sent for sequencing at a CANCOGEN-partnered sequencing facility. The original sample will be stored for up to 10 years and then destroyed. We will only be looking at the genetic material of the COVID-19 virus, NOT your DNA. This allows us to examine the COVID-19 virus that infected you, test for variants, and track outbreak and infections patterns in different settings. This type of testing is routinely done by public health units to track the COVID-19 virus.

Potential Risks

Some of the interview questions may seem personal and may make you feel uncomfortable or may upset you. If this happens, you do not need to answer any question that you do not wish to, and you can let the interviewer know if you would like to take a break or stop the interview.

The main risk to participants is detection of active COVID-19 infection through study testing. Participants with a positive test will be contacted directly or by shelter staff to be informed of their status and offered temporary shelter, health monitoring, and supports at specially designated recovery shelters operated by the city of Toronto. Your name and results will be shared with the shelter staff for the purpose of notifying you of your results and connecting you to a service operated by the City of Toronto for people experiencing homelessness to recover from COVID-19. Your name and results will also be shared via email and Hypercare with the City of Toronto to facilitate transportation to a recovery site. You will be offered to have a driver meet you at the shelter you are residing at and take you to a COVID testing centre for confirmatory testing. They will then take you to a recovery site for you to stay at while you wait for your test results and/or recover from COVID-19. Given that COVID-19 is a condition of public health significance, positive results will be reported to the Medical Officer of Health (also known as Toronto Public Health), under the Health Protection and Promotion Act. Additionally, the Ontario government has passed a regulation authorizing first responders, such as police, firefighters and paramedics to access an individual's name, address, date of birth and whether the individual has had a positive test for COVID-19. It is unknown how long these regulations will be in place.

Potential Benefits

The main benefit to participants is the opportunity to find out about your COVID-19 status. If you do test positive, our research team will help you obtain referral and transportation to sites for confirmatory testing, temporary shelter, support, and health monitoring.

Protecting Your Health Information

All persons involved in the study are committed to respecting your privacy. No persons other than select members of the research team will have access to your personal health information without your consent, unless required by law. Study personnel will make every effort to keep your personal health information private and confidential in accordance with all applicable privacy legislation, including the Personal Health Information Protection Act (PHIPA) of Ontario.

To maintain your privacy, any personal information is kept separate from your study data and given a code. Your survey responses will not include any personally identifying information. Your survey data will be collected by trained interviewers using tablets and no data is saved on these tablets. Once collected, the data will be securely sent, stored, and kept at St. Michael's Hospital's on a secure computer server. All specimens, including saliva and finger-prick blood samples will be identified with a code. Our understanding of COVID-19 is changing rapidly. To allow for possible future research on COVID-19, all study data and samples will be kept for a period of 10 years following the end of the study and then destroyed.

Despite these protections, there remains a risk of unintentional release of information. However, the Principal Investigator will protect your records and keep your information confidential to the greatest extent possible. The chance that your personal information will be unintentionally released is very small.

Data Sharing with the COVID-19 Immunity Task Force (CITF)

The CITF is a national initiative funded by the Government of Canada to perform research related to COVID-19 immunity. Your study data related to COVID-19 infection status, demographic information, health, experience with COVID-19, activities and behaviors related to COVID-19, and housing history will be shared with the CITF. However, all of your study data will be labelled with a code and not with your personal information. No personally identifying information will be shared with the CITF.

Data provided to the CITF will be stored in the CITF database. The CITF database will be held under the custodianship of McGill University or one of its collaborators and will be shared via the cloud, both nationally and internationally. Data in the CITF database will be stored indefinitely, until it is no longer useful for research, or until an ethics committee decides otherwise. The data in the CITF database might be accessed by other researchers studying COVID-19 following approval by a Data Access Committee. This Committee will ensure that all use of data stored in the CITF database is in full compliance with Canadian law and research ethics.

Email and Text Message Communication

We may contact you by email or text message, if you indicate that you would like to be contacted this way when we collect your contact information. There is no obligation to text or email – you may always contact us by phone. Please note that email and texting may not be secure modes of communicating, since they may be viewed by others and kept indefinitely. For these reasons, we will use email and text messaging to set up appointments, but we will not include personal health information such as your full name, date of birth, or OHIP number in emails and text messages. There are common risks of using email to communicate including:

• Information travels electronically and is not secure in the way a phone call or regular mail would be.

• If someone sees these messages they may know that you are a participant in this study or see the health information included in the message.

• Emails and text messages may be read or saved by your internet or phone provider (i.e. Rogers, your workplace, "free internet" providers).

• Copies of an email or a text message may continue to exist, even after efforts to delete the email have been made.

• There is always a chance with any unencrypted email or text message, however remote, that it could be intercepted or manipulated.

Please note: YOU MUST NOT USE EMAIL OR TEXT MESSAGES FOR MEDICAL EMERGENCIES. If you require immediate help, call your clinic or care provider, or seek emergency services.

Limits to Confidentiality

Any information that reveals your identity will not be released without your consent, unless required by law. COVID-19 is a reportable disease by law, so positive tests will be reported to Toronto Public Health. If you do have a positive test result, we will work with you, Toronto Public Health, and/or the place you are staying to help you get appropriate care and support. Positive tests are the only piece of data in this study that will be released to Toronto Public Health with your name.

Publication of Study Results

The results of this study may be presented at scientific conferences or published in scientific journals. If you are interested in obtaining the results of the study, you can contact the Principal Investigator or Research Coordinator by phone or email. You will never be personally identified in any publication, report, or presentation that may come from this study.

Potential Costs and Reimbursement

If you agree to participate in the study, you will receive \$40 after each sample collection and interview (up to \$200 for completing all 5 interviews) to compensate you for your time and help with transportation costs for follow-up interviews. In addition, you will have the opportunity to call the research team one month before each scheduled interview to update your contact information and confirm the timing of your next interview. You will receive \$10 for each check-in call (up to \$40 for completing all 4 check-ins). This additional \$10 will be provided at your next interview.

Participation and Withdrawal

Participation in this study is completely voluntary. Even if you choose to participate, you may change your mind and stop participating in the study at any time without giving a reason. A researcher may ask you if you would like to re-join the study from time to time, but the decision is yours. You are not obligated to re-join the study. If you choose to withdraw from the study, the data and samples collected from you prior to your withdrawal will be retained and used in analyses.

Your decision to participate or not, or to withdraw from the study, will not impact the services you access from St. Michael's Hospital or any other service provider. If anything about the study changes that may impact your desire to participate, it will be communicated to you immediately.

Research Ethics Board Contact

If you have any questions regarding your rights as a research participant, you may contact the Unity Health Toronto Research Ethics Board Office at 416-864-6060 ext. 2557 during business hours (9:00am-5:00pm) Monday to Friday.

The study protocol and consent form have been reviewed by a committee called the Research Ethics Board. The Research Ethics Board is a group of scientists, medical staff, and individuals from other backgrounds (including law and ethics) as well as members from the community. The Board is established to review studies for their scientific and ethical merit. The Board pays special attention to the potential risks and benefits to the participant, as well as the potential benefit to society.

Study Contacts

If you have any questions about this study, contact Olivia Spandier, the study coordinator, at St. Michael's Hospital at 416-864-6060 ext. 77440. You may also contact Dr. Stephen Hwang, the Principal Investigator, at 416-864-5991.

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Signature Pages: Documentation of Informed Consent <u>The COVENANT Study: COVID-19 Cohort Study of People Experiencing Homelessness in</u> <u>Toronto</u>

By signing this consent form, I acknowledge that:

- I have received a copy of this letter of information and consent form.
- This research study and the information and samples to be collected from me have been explained to me, and my questions have been answered to my satisfaction.
- I know that I have the right not to participate and the right to withdraw from this study without affecting the services I receive at St. Michael's Hospital or any other service provider.
- The potential risks and benefits of participating in this research study have been explained to me.
- I have been told that I have not waived my legal rights nor released the investigator or involved institutions from their legal and professional responsibilities.
- I know that I may ask, now or in the future, any questions I have about this study.
- I have been told that information about me and my participation in this study will be kept confidential and that no personally identifying information will be disclosed without my permission unless required by law.
- I have been given sufficient time to read the information in this consent form.

I consent to participate in this study.

Participant Name (Print)	Participant Signature	Date
I have explained to the above-named	participant the nature and purpose	e, the potential benefits,
and possible risks of participation in	this research study. All questions t	hat have been raised
about this study have been answered		

		O.	
Name of Person	Position/Title of	Signature of	Date
Obtaining Consent	Person Obtaining	Person Obtaining	
(Print)	Consent (Print)	Consent	

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	□ Yes	(initials)	□ Declined
Version 5 (June 3, 2021) For peer review only - http://			

1 2	If participant is not able to read independently for any reason:	
3 4	Declaration of Assistance – Witness to Consent Process	
5 6 7	Study Participant's Name (Print):	
7 8 9 10 11 12 13 14 15 16 17 18 19	ASSISTANCE DECLARATION AND SIGNATURE: I have provided assistance during the consent discussion between the potential participant and the person obtaining consent by (please check one): Acting as a witness to the consent discussion Assisting in delivery of consent discussion (reading/oral), including communication of questions and responses Other:	
20 21	consent to participate in the research study.	
22 23 24	Name of Person AssistingSignature of PersonDateConsent (Print)Assisting ConsentDate	Time
25 26	Relationship to Study Participant:	
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56	Contact Information of Person Assisting Consent:	
57 58 59	Version 5 (June 3, 2021)	10

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If participant has limited proficiency in English:

Declaration of Assistance – Interpreter

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Study Participant's Name (Print):

INTERPRETER DECLARATION AND SIGNATURE:

I am competent in the English language and in the preferred language of the potential participant: ________(name of language)

I am not involved in the research study or related to the participant. I agree to keep confidential all personally identifying information of the participant. I have faithfully interpreted the consent discussion and provided a sight translation of the written informed consent form as directed by the research staff obtaining consent.

Name of Interpreter (Print)	Signature of Interpreter	Date	Time
Contact Information of Interpreter			
contact information of interpreter			

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Additional Consent Measures Checklist If the study team is uncertain about the potential participant's capacity to consent, this form will be reviewed with the potential participant prior to signing the consent form. Participant ID: _____ Voluntary Participation Check One □ Clear Do you have to participate in this research study? □ Re-Explained Once you have signed the consent form, do you have to stay in the study until the **C**lear very end? □ Re-Explained **Risks and Benefits** Check One What are the risks of being in the study? □ Clear □ Re-Explained What are the benefits of being in the study? □ Clear □ Re-Explained *Confidentiality* Check One Will the information you provide to us be kept absolutely confidential? **C**lear □ Re-Explained Check One Samples Required □ Clear What samples will be required from you? □ Re-Explained **Time Required** Check One How long will you be enrolled in the study? Clear □ Re-Explained How many interviews will you have to do? □ Clear □ Re-Explained What will you need to do during each interview? **C**lear □ Re-Explained Reimbursement **Check One** Will you be paid for participating in the study? □ Clear □ Re-Explained **COVID-19** Testing Check One What happens if you test positive for COVID-19? **C**lear □ Re-Explained Check One **Ouestions** Clear If you have questions about the study, who should you ask? □ Re-Explained

I have administered the above additional consent measures to ensure that the potential participant understands the nature and purpose, the potential benefits, and possible risks associated with participation in this research study. I have answered all questions that have been raised.

X

Signature of Study Person Name (Printed) Explaining Study For peer review only - http://bmjopen.bmj.com/site/about/guidelines.xhtml

Date

COVENANT: COVID-19 Cohort Study of People Experiencing Homelessness in Toronto

SURVEY INSTRUMENT

Collected every 3 months

Face-to-Face Survey Administered by

MAP Survey Research Unit St. Michael's Hospital

Principal Investigator

Dr. Stephen Hwang

Version January 14, 2022

INSTRUCTIONS FOR INTERVIEWERS

Always read the instructions for the paper and web survey **carefully** as they may differ. You will find several symbols, reminders, and skip patterns throughout the survey. They appear in the survey as seen below:

1	"Interviewer:" or any italicized words are meant to be instructions for the interviewer and are not to be read aloud.
2	Bolded texts are the questions that are to be read aloud to participants. The only exceptions ar grid style questions.
3	(Go to 8.1) / \rightarrow If 18yrs/older: Skip to 1.2. : This shows a skip pattern in the question(s). Pay attention to <i>instructions</i> for interviewers as they may contain instructions for skip patterns.
4	If you see (round brackets) within question text, this can be used as a probe. For example: "Hav you received the flu shot this fall or winter (October 2020 or later)?" Note that it may appear bolded/not bolded depending on whether the question is within a grid or not.
5	<u>Underlined</u> words are intended to a) be emphasized in the question. This could be related to a time period, descriptor, etc., or b) point out important instructions for the interviewer.
6	[Bolded, italicized text in rectangle brackets]: This is an instruction for the interviewer to inser information to be said to the participant (e.g. a date).
7	Response boxes: <a>- Used for "check all that apply" questions. - Used for single response questions.
8	Please use a " \checkmark " or fill in the \Box or \bigcirc next to the response options for close ended questions.
9	Writing qualitative, open-ended answers: You will notice a solid line that will instruct you to document qualitative text. Please make sure your printing is clearly legible.
10	Dates should be recorded as follows: e.g. 01-Aug-2020.
11	-1 (Not applicable); -2 (Refused); -3 (Don't know): Do not present these as options for respondents. Only use if the closest response to the question is not possible. Please note that N/A (Not applicable) should only be selected if the question does not apply to the respondent.
12	Section titles (e.g. SECTION 1 – CONTACT INFORMATION) are NOT to be read aloud to respondents. 'Bridging' sentences are provided as appropriate at the beginning of each new section or set of questions to introduce the section to respondents. <u>Subheadings</u> are bolded ar underlined and, <u>sub-subheadings</u> are underlined.

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4	Activities And Behaviours Related To COVID-19	22
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	Housing History	

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 49 50 51 52 53 54 55 56 57 	
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Introduction

<u>Interviewer</u>: If <u>baseline</u> interview say: We will now begin the main survey. This first set of questions will help us get to know you better. Remember that this survey is voluntary, and you do not have to answer any questions you do not want to. If you feel uncomfortable at any time during this interview, you can skip a question, or stop the interview.

If this is a *follow-up* interview, *skip to 2.4*. Questions 1.1 to 2.3 are <u>only asked at baseline</u>.

SECTION 1 – DEMOGRAPHIC INFORMATION

1.1	What is your gender? Do you identify as:				
	O Male			0	Refused
	O Female			\bigcirc	Don't know
	O Non-Binary, Gender Queer, Agender, or a Similar Identity				
	O Two-Spirit				
	O Other (Please specify)				
1.2	What was your assigned sex at birth?				
	O Male			0	Refused
	O Female			\bigcirc	Don't know
	• Other (Please specify)				
1.3	Were you born in Canada?				
	• Yes (Skip to 1.5)	0	Refused	l (Ski	ip to 1.4)
	O No			-	(Skip to 1.4)
1.3a	Interviewer: Ask this question if answered, "No" to 1.3. Otherwise, skip to 1.5 if Ref/DK selected for 1.3.	"Yes	" to 1.3 o	r, go	to 1.4 if
1.3a			″ to 1.3 o	r, go	o to 1.4 if
1.3a	Ref/DK selected for 1.3.		″ to 1.3 o	r, go	o to 1.4 if
1.3a	<i>Ref/DK selected for 1.3.</i> What year <u>or</u> how many years ago did you arrive in Canada? An estimate is fir		" to 1.3 o		to 1.4 if Refused
1.3a	Ref/DK selected for 1.3. What year <u>or</u> how many years ago did you arrive in Canada? An estimate is fir <u>Interviewer</u> : Record year <u>or</u> years ago.		″ to 1.3 o	0	Refused
1.3a 1.4	Ref/DK selected for 1.3. What year or how many years ago did you arrive in Canada? An estimate is fir Interviewer: Record year or years ago. Arrived in year		" to 1.3 o	0	Refused
	Ref/DK selected for 1.3. What year or how many years ago did you arrive in Canada? An estimate is fin Interviewer: Record year or years ago. Arrived in year Y Y Y Arrived in years ago # #		" to 1.3 o	0	Refused
	Ref/DK selected for 1.3. What year or how many years ago did you arrive in Canada? An estimate is fin Interviewer: Record year or years ago. Arrived in year Y Y Arrived in years ago # What is your current status in Canada?		" to 1.3 o	0	Refused Don't know
	Ref/DK selected for 1.3. What year or how many years ago did you arrive in Canada? An estimate is fin Interviewer: Record year or years ago. Arrived in year Y Y Arrived in years ago # What is your current status in Canada? O		" to 1.3 o	0	Refused Don't know Refused
	Ref/DK selected for 1.3. What year or how many years ago did you arrive in Canada? An estimate is fir Interviewer: Record year or years ago. Arrived in year Y Y Arrived in years ago # What is your current status in Canada? O Citizen O Landed Immigrant		" to 1.3 o	0	Refused Don't know Refused

1.5	We know that people of different races do not have significantly different genetics. But o important consequences, including how we are treated by different individuals and instit category best describes you?		
	Interviewer: Do not read list. If more than one race/mixed, go to 1.5a. All others, skip to 1.6	5.	
	 White (examples: English, Greek, Italian, Portuguese, Russian, Slovakian) Black (examples: African, African-Canadian descent, Afro-Caribbean) Indigenous (First Nations, Métis, Inuit) Arab, Middle Eastern or West Asian (examples: Afghan, Armenian, Iranian, Lebanese, Persian, Turkish) Latin American (examples: Brazilian, Colombian, Cuban, Mexican, Peruvian) East/Southeast Asian (examples: Chinese, Japanese, Korean, Filipino, Malaysian, Singaporean, Thai, Vietnamese) South Asian or Indo-Caribbean (examples: Indian, Indo-Guyanese, Indo-Trinidadian, Pakistani, Sri Lankan, Bangladeshi) More than one race category or mixed race (Go to 1.5a) Not listed (Please specify) 		Refused Don't know
1.5a	Interviewer: Ask this question if answered, "More than one race category or mixed race" to to 1.6. Which race categories best describe you? Interviewer: Select all that apply	1.5. 0	therwise, go
	 White Black Indigenous Arab, Middle Eastern or West Asian Latin American East/Southeast Asian South Asian or Indo-Caribbean Other (Please specify)	0	Refused Don't know
1.6	Do you identify as First Nations, Métis and/or Inuk/Inuit?		
	 Yes No (Skip to 1.7) Refus Don't 	-	ip to 1.7) (Skip to 1.7)
1.6a	Interviewer: Ask this question if answered, "Yes" to 1.6. Otherwise, go to 1.7. Do you identify as: First Nations Inuit Métis Not listed (Please specify)		Refused Don't know
1.7	 What is the <u>highest</u> level of education you have completed? Have not completed High School High School or Secondary School Vocational/Technical School College/University Graduate/Professional School Other (Please specify)	0	Refused Don't know

SECTION 2 – HEALTH

2.1	Have you ever been <u>diagnosed</u> by a physician with any of the following chronic medical conditions?	Yes	No	Ref	DK
A	Hypertension (high blood pressure)	1	2	-2	-3
В	Diabetes	1	2	-2	-3
С	Asthma	1	2	-2	-3
D	Chronic Lung Disease (such as chronic obstructive pulmonary disease, emphysema, or chronic bronchitis)	1	2	-2	-3
E	Chronic Heart Disease (such as heart attack, heart failure, or coronary artery disease)	1	2	-2	-3
F	Stroke	1	2	-2	-3
G	Chronic Kidney Disease	1	2	-2	-3
Н	Chronic Neurological Disorder	1	2	-2	-3
I	Liver Disease	1	2	-2	-3
J	Cancer	1	2	-2	-3
К	HIV/AIDS	1	2	-2	-3
L	Immune Suppressed (other than HIV/AIDS)	1	2	-2	-3
М	Sickle Cell Disease	1	2	-2	-3
2.2	What is your current weight? An estimate is fine. Interviewer: Record in kilograms or pounds. # # # # Kg # # # Lbs			Refuse Don't k	
2.3	What is your <u>current</u> height? An estimate is fine. <u>Interviewer</u> : Record in meters <u>or</u> feet and inches. Record full inches only - round up/down	n to ne		<i>inch.</i> Refuse	d
	# . # # # m. # # ft. # # in.		0	Don't k	now

COVENANT Study – Survey Instrument

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<u>Interviewer</u>: If this is a <u>follow-up</u> interview, start here and say: We will now begin the follow-up survey. Many of these questions will be similar to what we asked you during our first interview. Remember that this survey is voluntary, and you do not have to answer any questions you do not want to. If you feel uncomfortable at any time during this interview, you can skip a question, or stop the interview. I will start by asking about your health.

2.4	Have you ree	ceived the flu sho	ot <u>this fall or winter</u> (Octob	er 2021 or later)?		
	O Yes	O No			0	Refused
					0	Don't kno
2.5	-	noked tobacco sin nterview Informat		ine)/ since [DATE] (if follow	-up, insert last	interview
	O Yes	• No (Skip to	2.6)	0	Refused (Sk i	
				0	Don't know	(Skip to 2.0
2.5a	Interviewer:	Ask this question	if answered "Yes" to 2.5. O	therwise, go to 2.6 .		
	How <u>often</u> d	lo you smoke tob	acco?			
	O Daily	• Less than d	laily		0	Refused
		-			0	Don't kno
2.6	-		arettes since March 1, 202 / Information' printout)?	20 (if baseline)/since [DATE] (if follow-up,	insert last
	O Yes	O No (Skip to	2.7)	0		
				0	Don't know	(Skip to 2.
2.6a	Interviewer:	Ask this question	if answered "Yes" to 2.6. O	therwise, go to 2.7 .		
	How <u>often</u> d	lo you vape or use	e e-cigarettes?			
	O Daily	• Less than d	laily		0	Refused
				4	0	Don't kno
2.7		•	nk containing alcohol since from 'Interview Information	e March 1, 2020 (if baseline a' printout)?	e)/since [DATE] (if follow
	Interviewer:	Read all options b	pefore asking participant to	select an option.		
	O Never		O 2 to 3 times a week		0	Refused
	() Monthly	/ or less	• O 4 or more times a w	eek	0	Don't kno

	How many times since March 1, 2020 (if baseline)/since [DATE] (if follow-up, insert last interview date from 'Interview Information' printout) have you used an illegal drug or used a prescription medication for non-medical reasons?					
		: If asked to clarify the meaning of	"nonmedical reasons" say: For	instan	ce, because of	the
	-	e or feeling it caused . clarify the meaning of "illegal drug"	' say: For instance, drugs boug	t on t	the street, not	including
	-	e <u>not</u> used then, enter "0".				
	# of times	# # #				Refused Don't know
CTIO!	N 3 – EXPER	IENCE WITH COVID-19				
r the r	next few ques	stions, I want to ask you about you	r experience with COVID-19.			
3.1	If <u>baseline</u> s	<i>say:</i> Have you <u>ever</u> been tested for	COVID-19?			
	lf <u>follow-up</u> Information	say: Have you been tested for COV n' printout)?	/ID-19 since [DATE] (insert las	t interv	iew date from	<i>'Interview</i>
	O Yes	• No (Skip to 3.2)	6	0	Refused (Skip Don't know (S	-
3.1a		: Ask this question if answered, "Yes ected for 3.1.	s" to 3.1. Otherwise, skip to 3. 2	2 if "No	o″ to 3.1 or ski µ	o to 3.1f if
	If <u>follow-up</u>	<i>say:</i> Have you <u>ever</u> been told by a h say: Since [DATE] (insert last intervealthcare provider that you tested	view date from 'Interview Infor	-		
				~	Refused (Skip	
	O Yes	O No (Skip to 3.1e3)		0	Don't know (-
3.1b	O Yes	• No (Skip to 3.1e3)	s" to 3.1a. Otherwise, skip to 3	0	Don't know (Skip to 3.1e3
3.1b	• Yes Interviewer. 3.1a.		1	0	Don't know (Skip to 3.1e3)
3.1b	• Yes <u>Interviewer</u> 3.1a. If <u>baseline</u> s If <u>follow-up</u>	: Ask this question if answered, "Ye	ou have?	.1e3 if	Don't know (Skip to 3.1e3
3.1b	• Yes <u>Interviewer</u> 3.1a. If <u>baseline</u> s If <u>follow-up</u> positive tes	: Ask this question if answered, "Yes say: How many positive tests did y o say: Since [DATE] (insert last interv	ou have? view date from 'Interview Infor	.1e3 if	Don't know (Skip to 3.1e3
3.1b	• Yes <u>Interviewer</u> 3.1a. If <u>baseline</u> s If <u>follow-up</u> positive tes	: Ask this question if answered, "Yes say: How many positive tests did yo say: Since [DATE] (insert last interv sts did you have? ord up to 3 positive tests. Record tes	ou have? view date from 'Interview Infor	.1e3 if mation w.	Don't know (Skip to 3.1e3 s selected for w many p to 3.1e3)
3.1b	• Yes <u>Interviewer</u> 3.1a. If <u>baseline</u> s If <u>follow-up</u> positive tes We will reco	: Ask this question if answered, "Yes say: How many positive tests did yo say: Since [DATE] (insert last interv sts did you have? ord up to 3 positive tests. Record tes	ou have? view date from 'Interview Infor	.1e3 if mation w.	Don't know ("No"/Ref/DK i o' printout), ho Refused (Ski	Skip to 3.1e3 s selected for w many p to 3.1e3)
3.1b	• Yes <u>Interviewer</u> 3.1a. If <u>baseline</u> s If <u>follow-up</u> positive tes We will reco	: Ask this question if answered, "Yes say: How many positive tests did yo say: Since [DATE] (insert last interv sts did you have? ord up to 3 positive tests. Record tes	ou have? view date from 'Interview Infor	.1e3 if mation w.	Don't know ("No"/Ref/DK i o' printout), ho Refused (Ski	Skip to 3.1e3 s selected for w many p to 3.1e3)
3.1b	• Yes <u>Interviewer</u> 3.1a. If <u>baseline</u> s If <u>follow-up</u> positive tes We will reco	: Ask this question if answered, "Yes say: How many positive tests did yo say: Since [DATE] (insert last interv sts did you have? ord up to 3 positive tests. Record tes	ou have? view date from 'Interview Infor	.1e3 if mation w.	Don't know ("No"/Ref/DK i o' printout), ho Refused (Ski	Skip to 3.1e3 s selected for w many p to 3.1e3)

Positive Test 1 - Interviewer: Ask these	e questions if participant had	d a first nositive test	Otherwise skin to 3.1e3
	, questions ij purticipunt nut	a a jii si positive test.	ounciwise, skip to 3.103.

3.1c	What was the date of <u>or</u> how long ago was this positive test?		
	<u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. If date is not date field blank and then fill out how long ago. If filling out how long ago, any fields that a have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).		
	Date D D - M M M - Y Y Y OR	0	Refused
	Days ago # # # Weeks ago # # # Months ago # # #	0	Don't kr
3.1c1	Where did you have the positive test done? (e.g., shelter name, COVID Assessment Cent Department name; encampment site location)	re name	e, Emerg
		0	Refused
		- 0	Don't kr
3.1c2	Where were you staying the night before you had the positive test?	Q	Refused
		- 0	Don't kr
ositive T	est 2 - Interviewer: Ask these questions if participant had a second positive test. Otherwise,	skip to	3.1e3 .
3.1d	What was the date of <u>or</u> how long ago was this positive test?		
	<u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. If date is not date field blank and then fill out how long ago. If filling out how long ago, any fields that a have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date $ D D - M M M - Y Y OR$		
	Days ago # # # Weeks ago # # # Months ago # # #	0	
3.1d1	Days ago # # # Months ago # # # Where did you have the positive test done? (e.g., shelter name, COVID Assessment Cent	re name	Don't kr
3.1d1	Days ago # # # Weeks ago # # # Months ago # # #	re name	Don't kr
3.1d1	Days ago # # # Months ago # # # Where did you have the positive test done? (e.g., shelter name, COVID Assessment Cent	re name	Don't kr e, Emerge
3.1d1 3.1d2	Days ago # # # # Months ago # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #		Don't kr e, Emerg Refused Don't kr
	Days ago # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # <t< td=""><td>re name</td><td>Don't kr e, Emerg Refused</td></t<>	re name	Don't kr e, Emerg Refused
3.1d2	Days ago # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # <td>- 0</td> <td>Don't ki e, Emerg Refused Don't ki Refused Don't ki</td>	- 0	Don't ki e, Emerg Refused Don't ki Refused Don't ki
3.1d2	Days ago # # # # Months ago # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #	- 0	Don't ki e, Emerg Refusec Don't ki Refusec Don't ki
3.1d2	Days ago # # # Months ago # # # Where did you have the positive test done? (e.g., shelter name, COVID Assessment Cent Department name; encampment site location) Where were you staying the night before you had the positive test? Where were you staying the night before you had the positive test? What was the date of or how long ago was this positive test? Interviewer: Record date if known and leave the "how long ago fields" blank. If date is not date field blank and then fill out how long ago. If filling out how long ago, any fields that a	known,	Don't kr e, Emerg Refused Don't kr Don't kr 1e3. leave the
3.1d2	Days ago # # # Weeks ago # # # Months ago # # # Where did you have the positive test done? (e.g., shelter name, COVID Assessment Cent Department name; encampment site location) Where were you staying the night before you had the positive test? Gest 3 - Interviewer: Ask these questions if participant had a third positive test. Otherwise, sk What was the date of or how long ago was this positive test? Interviewer: Record date if known and leave the "how long ago fields" blank. If date is not	known,	Don't kr e, Emerg Refused Don't kr Don't kr 1e3. leave the

	Where did you have the positive test done? (e.g., shelter name, COVID Asse Department name; encampment site location)	essment Centre name, Emerg		
		• Refused		
		🗌 🔾 Don't ki		
3.1e2	Where were you staying the night before you had the positive test?			
		O Refused		
		🔾 🔾 Don't ki		
3.1e3	Since [DATE] (insert last interview date from 'Interview Information' printout, antigen test for COVID-19? This includes a positive rapid antigen test done l person, or one you did yourself. This doesn't include a positive test done by	by shelter staff, other staff		
	• Yes • No (Skip to 3.1f if "Yes" to 3.1a OR 3.2 if "No" to 3.1a)	 O Refused (Skip to 3.1f) O Don't know (Skip to 3 		
3.1e4	<u>Interviewer</u> : Ask this question if answered, "Yes" to 3.1e3. Otherwise, skip to if Ref/DK selected for 3.1e3.	3.2 if "No" to 3.1e3 or skip to		
Since [DATE] (insert last interview date from 'Interview Information' printout), how many positive ra antigen tests did you have?				
We will record up to 3 positive rapid antigen tests. Record tests from newest to oldest below.				
		O Refused (Skip to 3.1f		
	# of positive rapid antigen tests #	O Don't know (Skip to 3		
	e, skip to 3.1f.	positive rapid antigen test.		
therwis	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any	If date is not known, leave the		
therwis	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).	If date is not known, leave the fields that aren't used should		
therwis	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any	If date is not known, leave the		
therwis	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).	If date is not known, leave the r fields that aren't used should O Refused		
3.1e5	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date DDD-MMM-YYYYYOR	If date is not known, leave the fields that aren't used should Refused Don't kn		
3.1e5	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y OR Days ago # # # Weeks ago # # # Months ago # # Rapid Antigen Test 2 - <u>Interviewer</u> : Ask these questions if participant had a seco e, skip to 3.1f.	If date is not known, leave the fields that aren't used should Refused Don't kn		
3.1e5 3.sitive F	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y OR Days ago <u>#</u> # # Weeks ago <u>#</u> # Months ago <u>#</u> # Rapid Antigen Test 2 - <u>Interviewer</u> : Ask these questions if participant had a seco e, skip to 3.1f.	If date is not known, leave the fields that aren't used should Refused Don't known positive rapid antigen test If date is not known, leave the		
3.1e5 3.sitive F	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D O - M M M - Y Y Y OR Days ago <u>#</u> <u>#</u> <u>#</u> Weeks ago <u>#</u> <u>#</u> <u>#</u> Months ago <u>#</u> <u>#</u> Rapid Antigen Test 2 - Interviewer: Ask these questions if participant had a secce, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? Interviewer: Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have field blank and then fill out how long ago. If filling out how long ago, any have field blank and then fill out how long ago. If filling out how long ago, any have field blank and then fill out how long ago. If filling out how long ago, any have field blank and then fill out how long ago. If filling out how long ago, any have field blank and then fill out how long ago.	If date is not known, leave the fields that aren't used should Refused Don't known If date is not known, leave the fields that aren't used should Refused Refused		
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3.1e5 3.1e5 bsitive F therwis 3.1e6	e, skip to 3.1f. What was the date of or how long ago was this positive rapid antigen test? Interviewer: Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D Date Repid Antigen Test 2 - Interviewer: Ask these questions if participant had a second e, skip to 3.1f. What was the date of or how long ago was this positive rapid antigen test? Interviewer: Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D M Y Y	If date is not known, leave the fields that aren't used should Refused Don't known If date is not known, leave the fields that aren't used should Refused Refused		

3.1e7	What was the date of <u>or</u> how long ago was this positive rapid antigen test?	
	<u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. If date is no date field blank and then fill out how long ago. If filling out how long ago, any fields that have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).	
	Date D D - M M M - Y Y Y OR	O Refused
	Days ago # # # Weeks ago # # # Months ago # # #	○ Don't k
3.1f	<u>Interviewer</u> : Ask this question if answered, Ref or DK to 3.1 OR "Yes", Ref or DK to either . Otherwise, skip to 3.2 .	3.1a OR 3.1e3.
	If <u>baseline</u> say: Have you ever been hospitalized for COVID-19?	
	If <u>follow-up</u> say: Since [DATE] (insert last interview date from 'Interview Information' prin hospitalized for COVID-19?	ntout), have you b
		used (Skip to 3.2) 't know (Skip to 3
3.1g	Interviewer: Ask this question if answered, "Yes" to 3.1f. Otherwise, skip to 3.2.	
3.1g	Interviewer: Ask this question if answered, "Yes" to 3.1f. Otherwise, skip to 3.2. What were the dates of <u>or</u> how long ago were you hospitalized for COVID-19? And who hospitalized?	ere were you
3.1g	What were the dates of <u>or</u> how long ago were you hospitalized for COVID-19? And whe hospitalized? <u>Interviewer</u> : Record hospitalizations from newest to oldest. Record date if known and lea fields" blank. If date is not known, leave the date field blank and then fill out how long ag long ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ag	ve the "how long o o. If filling out ho
3.1g	What were the dates of <u>or</u> how long ago were you hospitalized for COVID-19? And whe hospitalized? <u>Interviewer</u> : Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago	ve the "how long o o. If filling out ho
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And whe hospitalized? Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago long ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital.	ve the "how long of the filling out how of the filling out how of the filling out how of the filling of the fil
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3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And when hospitalized? Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital. First Hospitalization: Date D - M M - Y Y Y OR	ve the "how long of the filling out how of the filling out how of the filling out how of the filling of the fil
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And when hospitalized? Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital. First Hospitalization: Date D - M M - Y Y Y OR Days ago # # Weeks ago # # Months ago # # #	ve the "how long of the filling out how of the filling out how of the filling out how of the filling of the fil
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3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And who hospitalized? Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago long ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital. First Hospitalization: Date D - M M - Y Y Y OR Days ago # # # Months ago # # # Hospital	ve the "how long of to. If filling out how to: 0, Months ago: O Refused O Don't k
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And who hospitalized? Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital. First Hospitalization: Date D - M M - Y Y Y OR Days ago # # # Weeks ago # # # # # Hospitalization:	ve the "how long of go. If filling out how to: 0, Months ago: O Refused O Don't k
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And who hospitalized? Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago long ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital. First Hospitalization: Date D - M M - Y Y Y OR Days ago # # # Weeks ago # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # <td>ve the "how long of to. If filling out how to: 0, Months ago: O Refused O Don't k</td>	ve the "how long of to. If filling out how to: 0, Months ago: O Refused O Don't k

3.2	If <u>baseline</u> say: Have you ever stayed at a COVID-19 isolation or recovery hotel? If <u>follow-up</u> say: Have you stayed at a COVID-19 isolation or recovery hotel since [DATE] (insert last interview						
	date from 'Interview Information' printout)?						
	These are sites where people stay if they are positive for COVID-19 or were a close contact of someone wit COVID-19.						
	<u>Interviewer</u> : Probe to ensure they stayed at the following eligible site during the specified -Four Points in Etobicoke (April 2020 to Present)	d time:					
	· · ·	fused (Skip to 3.3) on't know (Skip to 3. 3					
3.2a	Interviewer: Ask this question if answered, "Yes" to 3.2. Otherwise, go to 3.3.						
	What were the dates of <u>or</u> how long ago were these stays?						
	<u>Interviewer</u> : Record stays from newest to oldest. Record date if known and leave the "ho blank. If date is not known, leave the date field blank and then fill out how long ago. If fi any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Mon First Stay:	lling out how long ag					
	Date D D - M M M P Y Y Y OR	O Refused					
	Days ago # # # Weeks ago # # # Months ago # # #	O Don't know					
	Second Stay:						
	Date D D - M M M - Y X Y OR	O Refused					
	Days ago # # # Weeks ago # # # Months ago # # #	○ Don't kno					
	Third Stay:						
	Date D D - M M M - Y Y Y OR	O Refused					
	Days ago # # # Weeks ago # # # Months ago # # #	O Don't know					
3.3	On average, every day: how many people were you in close contact with (for more than 15 minutes and le than 2 metres apart) inside your living space since March 1, 2020 (if baseline)/since [DATE] (if follow-up, insert last interview date from 'Interview Information' printout)?						
	O Nobody O 5 to 10 people	O Refused					
	O 1 person O 11 to 20 people	O Don't know					
	O2 to 4 peopleO20+ people						
3.4	On average, every day: how many people were you in close contact with (for more than 15 minutes and le than 2 metres apart) <u>outside</u> your living space since March 1, 2020 (if baseline)/since [DATE] (if follow-up, insert last interview date from 'Interview Information' printout)?						
	O Nobody O 5 to 10 people	O Refused					
	O 1 person O 11 to 20 people	🔾 Don't kno					
	O 2 to 4 people O 20+ people						

	How many people was that?						
	Interviewer: If they haven't had direct contacts, enter	er "0	" and then skip to 3.12 .				
					efused (S	-	
	# of people # # #		() D	on't knov	N (Skip to
3.6	Interviewer: Ask this question if had 1 or more conto	acts i	in 3.5. Otherwise, skip to 3 .	. 12 .			
	How many of those [NUMBER] are using shelters or do not have housing?						
	Interviewer: If none, enter "0".						
	# of people # # #						Refuse Don't
3.7	Can you list the first names or give each person a n	ickn	ame and answer some qu	estio	ons about	: tł	nem?
	Interviewer: Record up to 5 names/nicknames.						
	1 4		(efused (S	ki	o to 3.:
	1. 4. 2. 5. 3.		(D	on't knov	N (Skip to
	3.						
3.7a	About how old is [NAME/NICKNAME]?						
3.7a	O 19 and under O 40-49 O O 20-29 O 50-59 O	70- 80 a	79 and older		_		
	O 19 and under O 40-49 O O 20-29 O 50-59 O O 30-39 O 60-69 O	80 8			_		
3.7a 3.7b	O 19 and under O 40-49 O O 20-29 O 50-59 O	80 8			_		
	 19 and under 40-49 20-29 50-59 30-39 60-69 What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter	80 3	and older A family member		(Don't
	 19 and under 40-49 20-29 50-59 30-39 60-69 What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter Someone who uses same shelter as me	80 3	A family member Someone I share/use drug	gs wi	(Don't
	 19 and under 40-49 20-29 50-59 30-39 60-69 What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter	80 8	and older A family member	gs wi	(Refuse Don't Refuse Don't
	 19 and under 40-49 20-29 50-59 30-39 60-69 What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter Someone who uses same shelter as me Works at the shelter I use Caseworker/Social worker Someone I work with 	80 8	A family member Someone I share/use drug Someone I drink with	gs wi	(Don't
3.7b	 19 and under 40-49 20-29 50-59 30-39 60-69 What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter Someone who uses same shelter as me Works at the shelter I use Caseworker/Social worker Someone I work with A friend 	80 ;	A family member Someone I share/use drug Someone I drink with Other (Please specify)	gs wi	(Don't
	 19 and under 40-49 20-29 50-59 30-39 60-69 What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter Someone who uses same shelter as me Works at the shelter I use Caseworker/Social worker Someone I work with A friend Is [NAME/NICKNAME] underhoused or a client of the shelter of the she	80 ;	A family member Someone I share/use drug Someone I drink with Other (Please specify)	gs wi	(ith	0	Don't Refuse Don't
3.7b	 19 and under 40-49 20-29 50-59 30-39 60-69 What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter Someone who uses same shelter as me Works at the shelter I use Caseworker/Social worker Someone I work with A friend 	80 ;	A family member Someone I share/use drug Someone I drink with Other (Please specify)	gs wi	(ith		Don't

4

6

3.7d	When you had direct contact with [NAME/NICKNAME] yesterday, did you have any: Interviewer: Check all that apply.					
	 Physical contact (any sort of skin-to-skin contact, like shaking hands) Non-physical contact (did not touch the person) 	 Refused (Skip to 3.76 Don't know (Skip to 3) 				
3.7d1	<u>Interviewer</u> : Ask this question if answered, "Physical contact" or "Non-physical c to 3.7e .	contact" in 3.7d. Otherwise,				
	Was this contact:					
	O Outside	• Refused				
	O Inside	O Don't k				
	O Both outside and inside					
3.7e	Did this person sleep/stay in same unit/room as you last night?					
	O Yes	O Refused				
	O No	🔾 Don't k				
	O I did not sleep inside last night					
3.7f	When you had direct contact, was the contact wearing a mask at the time?					
	O Yes	O Refused				
	O No	O Don't k				
3.7g	When you had direct contact, were you wearing a mask at the time?					
	O Yes	O Refused				
	O No	🔾 Don't k				
ntact 2	- <u>Interviewer</u> : Ask these questions if provided a second contact. Otherwise, skip	to 3.12.				
3.8a	About how old is [NAME/NICKNAME]?					
	O 19 and under O 40-49 O 70-79	O Refused				
	O 20-29 O 50-59 O 80 and older	🔾 Don't k				
	O 30-39 O 60-69					
3.8b	What is [NAME/NICKNAME'S] relationship to you?					
	Interviewer: Check all that apply.					
	Someone I hang out with outside the shelter A family member	O Refused				
	□ Someone who uses same shelter as me □ Someone I share/use o	drugs with 🛛 🔾 Don't k				
	UWorks at the shelter I useSomeone I drink with					
	Caseworker/Social worker Other (Please specify)					
	 Someone I work with A friend 					
	A friend					
	Is [NAME/NICKNAME] underhoused or a client of the shelters?	_				
3.8c						
3.8c	O Yes					
3.8c	O Yes O No	RefusedDon't k				
3.8c						

3.8d1 3.8d1 3.8d1 W 0 0 3.8e 0 0 0 0 0 0 0 0 0 0 0 0 0	Non-physical contact (did not t <u>terviewer</u> : Ask this question if ansu- 3.8 e. as this contact: Outside Inside Both outside and inside d this person sleep/stay in same Yes No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes	ouch the person wered, "Physica unit/room as ye the contact wea	n) / cont	tact" or "Non-physical o st night? a mask at the time?	0	Don't	sed (Ski t know 3.7d. Or 0 0	(Skip to
3.8d1 3.8d1 W 3.8e 3.8e 3.8e 3.8f 3.8f 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9	Non-physical contact (did not t <u>terviewer</u> : Ask this question if ansu- 3.8 e. as this contact: Outside Inside Both outside and inside d this person sleep/stay in same Yes No I did not sleep inside last night hen you had direct contact, was t Yes No hen you had direct contact, were Yes No	ouch the person wered, "Physica unit/room as ye the contact wea	n) / cont	tact" or "Non-physical o st night? a mask at the time?	0	Don't	t know	Refus Don't Refus Don't Refus
to W W Sale	3.8e. as this contact: Outside Inside Both outside and inside d this person sleep/stay in same Yes No I did not sleep inside last night hen you had direct contact, was the Yes No hen you had direct contact, were Yes No	unit/room as you	ou las	st night? a mask at the time?	conta	act" in 3	3.7d. Oi	Refus Don't Refus Don't Refus
3.8e Di 3.8e Di 3.8f W 3.8f W 3.8g W 3.8g W 3.8g W 3.9a At 0 0	Outside Inside Both outside and inside d this person sleep/stay in same Yes No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	the contact wea	aring	a mask at the time?				Don't Refus Don't Refus
3.8e Di 3.8e Di 3.8f W 3.8f W 3.8g W 3.8g W 3.8g W 3.9a At 0	Outside Inside Both outside and inside d this person sleep/stay in same Yes No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	the contact wea	aring	a mask at the time?				Don't Refus Don't Refus
3.8e Di 3.8e Di 3.8f W 3.8f W 3.8g W 3.8g W 3.8g V 0 3.8g V 0 3.8g V 0 0 0 0 0 0 0 0 0 0 0 0 0	Inside Both outside and inside d this person sleep/stay in same Yes No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	the contact wea	aring	a mask at the time?			0	Don't Refus Don't Refus
3.8e Di 3.8e Di 3.8f W 3.8f W 3.8g W 3.8g W 3.8g V 3.8g V 3.9a Ak 0	Both outside and inside d this person sleep/stay in same Yes No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	the contact wea	aring	a mask at the time?			0	Don't Refus
3.8f W 3.8f W 3.8g W 3.8g W 3.9a At 3.9a At	Yes No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	the contact wea	aring	a mask at the time?			0	Don't Refus
3.8f W 3.8f W 3.8g W 3.8g W 3.9a At 3.9a At	No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	Ĉ					0	Don't Refus
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3.8f W 3.8g W 3.8g W 0 3.9a Ak 0 3.9a Ak	hen you had direct contact, was Yes No hen you had direct contact, were Yes No	Ĉ					0	
3.8g W 3.8g W Ontact 3 - 1 3.9a At O	Yes No hen you had direct contact, were Yes No	Ĉ					0	
3.8g W 3.8g W O 0 0 0 0 3.9a At 0 0 0	No hen you had direct contact, were Yes No	e you wearing a	mask	<pre>< at the time?</pre>			0	
3.8g W Ontact 3 - <u>I</u> 3.9a At O	hen you had direct contact, were Yes No	e you wearing a	masł	<pre>< at the time?</pre>			0	Don't
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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No	0						
<u>ontact 3</u> - <u>II</u> 3.9a At							0	Refus
3.9a At O O	nterviewer: Ask these questions if						0	Don't
0		provided a third	l cont	tact. Otherwise, skip to	3.12) <u>.</u>		
0	out how old is [NAME/NICKNAM	ΛE]?						
	19 and under O 40-49	• •	70-7	79			0	Refus
	20-29 O 50-59		80 a	and older			0	Don't
	30-39 O 60-69	9		· · · · ·				
3.9b W	hat is [NAME/NICKNAME'S] relat	tionship to you						
<u>In</u> :	<u>erviewer</u> : Check all that apply.							
	Someone I hang out with outsid	de the shelter		A family member			0	Refus
				Someone I share/use	drugs	s with	0	Don't
	Works at the shelter I use			Someone I drink with	_			
	Caseworker/Social worker			Other (Please specify)				
							_	
	A friend							
3.9c Is	[NAME/NICKNAME] underhouse	d or a client of	the sl	helters?				
0	Yes						0	Refus
0	No						0	Don't

Physical contact (any sort of skin-to-skin contact, like shaking hands) Refused (Skip to 3. Non-physical contact (did not touch the person) Don't know (Skip to 3. 3.9d1 Interviewer: Ask this question if answered, "Physical contact" or "Non-physical contact" in 3.7d. Otherwise to 3.9e. Was this contact: Refus Outside Refus Both outside and inside Refus 3.9e Did this person sleep/stay in same unit/room as you last night? Yes Refus No Don't About how old is [NAME/NICKNAME]? Refus Yes Yes Refus 3.10a About how old is [NAME/NICKNAME]? Refus Yors Someone I hang out with outside the shelter A family member Someone I hang out with outside the shelter Someone I hang out with outside the shelter Someone I during with 3.10b What is [NAME/NICKNAME'] relationship to you? So	3.9d	When you had direct contact with [NAME/NICKNAME] yesterday, did you have any: Interviewer: Check all that apply.					
Image: Non-physical contact (did not touch the person) Don't know (Skip to 3.74) 3.9d1 Interviewer: Ask this question if answered, "Physical contact" or "Non-physical contact" in 3.74. Otherwise to 3.9e. Was this contact: Outside Refus O lutside Physical contact" or "Non-physical contact" in 3.74. Otherwise to 3.9e. Refus Jont Both outside and inside Don't 3.9e Did this person sleep/stay in same unit/room as you last night? Refus Yes Refus Don't No Don't Don't Jid this person sleep/stay in same unit/room as you last night? Refus Yes Refus Don't No Don't Don't Jid di not sleep inside last night Don't 3.9f When you had direct contact, was the contact wearing a mask at the time? Refus Yes Refus Don't No Don't Don't Don't 3.9g When you had direct contact, were you wearing a mask at the time? Don't Yes Refus Don't Don't 3.10a About how old is [NAME/NICKNAME]? Refus Don't <td< th=""><th></th><th></th><th></th></td<>							
to 3.9e. Was this contact: O Outside Inside Both outside and inside 3.9e Did this person sleep/stay in same unit/room as you last night? Yes No I did not sleep inside last night 3.9f When you had direct contact, was the contact wearing a mask at the time? Yes Refus No Don't 3.9g When you had direct contact, were you wearing a mask at the time? Yes Refus No Don't 3.9g When you had direct contact, were you wearing a mask at the time? Yes Refus No Don't Intact 4 - Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12. 3.10a About how old is [NAME/NICKNAME?] 19 and under 40-49 70-79 20-29 50-59 80 and older 3.10b What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter A family member Someone I share/use drugs with Someone I hang out with outside the shelter			· · ·				
 Outside Inside Both outside and inside Both outside and inside Id this person sleep/stay in same unit/room as you last night? Yes No I did not sleep inside last night Yes No Ves No On't Person Refus Don't Refus Don't I did not sleep inside last night I did not sleep inside l	3.9d1		ntact" in 3.7d. Otherwise				
Inside Don't Both outside and inside Don't Both outside and inside Pid this person sleep/stay in same unit/room as you last night? Pid this person sleep/stay in same unit/room as you last night? Yes No Don't I did not sleep inside last night Don't Joid No Pres Prestide notact, were you wearing a mask at the time? Yes Pres Prestide notact. Otherwise, skip to J.12. Join No Don't Don't Join No Don't Don't Join Join Join Join Join Join Join Join		Was this contact:					
Inside Don't Both outside and inside Don't Both outside and inside Pid this person sleep/stay in same unit/room as you last night? Pid this person sleep/stay in same unit/room as you last night? Yes No Don't I did not sleep inside last night Don't Joid No Pres Prestide notact, were you wearing a mask at the time? Yes Pres Prestide notact. Otherwise, skip to J.12. Join No Don't Don't Join No Don't Don't Join Join Join Join Join Join Join Join		Q Outside	O Refuse				
3.9e Did this person sleep/stay in same unit/room as you last night? Refus 3.9e Ves Pes 1 did not sleep inside last night Pes Pes Yes Refus Pes Yes Refus Pes Yes Refus Pes No Pes Refus Yes Pes Pers Yes Pes Pers No Pes Pers No Pers Pers Someon value About how old is [NAME/NICKNAME]? Pers 19 and under 40-49 70-79 20-29 50-59 80 and older 3.10b What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I sha							
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○ No ○ Don't 3.9f When you had direct contact, was the contact wearing a mask at the time? ○ ○ Yes ○ Refus ○ Yes ○ Don't 3.9g When you had direct contact, were you wearing a mask at the time? ○ Refus ○ Yes ○ Refus ○ ○ Yes ○ Refus ○ ○ Yes ○ Refus ○ ○ No ○ Pon't ○ Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12. ○ No ○ 3.10a About how old is [NAME/NICKNAME]? ○ ○ Pon't ○ ○ 19 and under ○ 40-49 ○ 70-79 ○ Refus ○ ○ 19 and under ○ 40-49 ○ 70-79 ○ Refus ○ Don't 3.10b What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter □ A family member ○	3.9e	Did this person sleep/stay in same unit/room as you last night?					
 I did not sleep inside last night When you had direct contact, was the contact wearing a mask at the time? Yes No Yes Yes Yes Yes Yes No Refus Don't Someone I hang out with outside the shelter Someone I work with A friend A friend Yes Yes 		O Yes	O Refuse				
3.9f When you had direct contact, was the contact wearing a mask at the time? Pers Perfus 3.9g When you had direct contact, were you wearing a mask at the time? Perfus Perfus 3.9g When you had direct contact, were you wearing a mask at the time? Perfus Perfus 0 Yes Perfus Perfus Perfus 0 Yes Perfus Perfus Perfus 0 No Perfus Perfus Perfus 0 Yes Perfus Perfus Perfus 0 No Perfus Perfus Perfus 10 About how old is [NAME/NICKNAME]? Perfus Perfus Perfus 10 19 and under 40-49 70-79 Perfus Perfus 10 19 and under 40-49 70-79 Perfus Perfus Perfus 10 19 and under 40-49 70-79 Perfus Perfus Perfus Perfus 3.10b What is [NAME/NICKNAME'S] relationship to you? Perfus Perfus Perfus Perfus Perfus Perfus Perfus <tr< td=""><td></td><td>O No</td><td>🔾 Don't</td></tr<>		O No	🔾 Don't				
O Yes O Refus 3.9g When you had direct contact, were you wearing a mask at the time? Don't O Yes Refus Refus O No Refus Don't Intact 4 - Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12. Refus 3.10a About how old is [NAME/NICKNAME]? Refus O 19 and under 40-49 70-79 O 20-29 50-59 80 and older O 30-39 60-69 Don't 3.10b What is [NAME/NICKNAME'S] relationship to you? Refus Interviewer: Check all that apply. Someone I hang out with outside the shelter A family member Refus Someone I hang out with outside the shelter Someone I share/use drugs with Don't Someone I work with Someone I drink with Other (Please specify) Don't 3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? Refus Refus		O I did not sleep inside last night					
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3.9g When you had direct contact, were you wearing a mask at the time? Refus . Yes Don't . No Don't ontact 4 - Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12. Don't 3.10a About how old is [NAME/NICKNAME]? Refus . 19 and under 40-49 70-79 . 20-29 50-59 80 and older . 30-39 60-69 3.10b What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter . Someone I hang out with outside the shelter Someone I share/use drugs with . Works at the shelter I use Someone I drink with . Caseworker/Social worker Other (Please specify) . Someone I work with Other (Please specify) . Someone I work with Refus . A friend Refus		O Yes	○ Refuse				
 Yes No Refus Don't Don't About how old is [NAME/NICKNAME]? 19 and under 40-49 70-79 Refus 20-29 50-59 80 and older Don't 3.10b What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter Someone I share/use drugs with Other (Please specify) Someone I work with A friend 		O No	O Don't				
No Don't Ontact 4 - Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12. 3.10a About how old is [NAME/NICKNAME]? 19 and under 40-49 70-79 20-29 50-59 80 and older 3.10b What is [NAME/NICKNAME'S] relationship to you? Don't Interviewer: Check all that apply. A family member Refus Someone I hang out with outside the shelter Someone I share/use drugs with Don't Someone I hang out with outside the shelter Someone I share/use drugs with Don't Someone I hang out with outside the shelter Someone I share/use drugs with Don't Someone I hang out with outside the shelter Someone I drink with Don't Caseworker/Social worker Other (Please specify) Don't Someone I work with A friend Other (Please specify) Refus 3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? Refus Refus	3.9g	When you had direct contact, were you wearing a mask at the time?					
antact 4 - Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12. 3.10a About how old is [NAME/NICKNAME]?		O Yes	O Refuse				
3.10a About how old is [NAME/NICKNAME]? 19 and under 40-49 70-79 20-29 50-59 80 and older Don't 3.10b What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter Someone I drink with Caseworker/Social worker Other (Please specify) Someone I work with A friend 3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? Yes Refuse		O No	○ Don't				
Image: Some one I hang out with outside the shelter A family member Refus Some one I hang out with outside the shelter Some one I share/use drugs with Refus Works at the shelter I use Some one I drink with Some one I drink with Other (Please specify) 3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? Other shelters? Other shelter	ontact 4	- <u>Interviewer</u> : Ask these questions if provided a fourth contact. Otherwise, skip to 3	3.12.				
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 30-39 O 60-69 3.10b What is [NAME/NICKNAME'S] relationship to you? <u>Interviewer</u>: Check all that apply. Someone I hang out with outside the shelter Someone Who uses same shelter as me Someone I share/use drugs with Someone I drink with Caseworker/Social worker Someone I work with A friend 3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? Yes Refus Refus Refus Someone I drink with Refus Refus Refus Refus Refus Refus Refus Refus Refus Refus Refus Refus Refus Refus Refus <l< td=""><td></td><td>O 19 and under O 40-49 O 70-79</td><td>O Refuse</td></l<>		O 19 and under O 40-49 O 70-79	O Refuse				
 3.10b What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter Someone who uses same shelter as me Someone I share/use drugs with Someone I drink with Caseworker/Social worker Someone I work with A friend 3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? Yes Refus 			O Don't				
Interviewer: Check all that apply. Someone I hang out with outside the shelter Someone who uses same shelter as me Someone I share/use drugs with Works at the shelter I use Caseworker/Social worker Other (Please specify) Someone I work with A friend Is [NAME/NICKNAME] underhoused or a client of the shelters? Yes Refus <		O 30-39 O 60-69					
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 Someone who uses same shelter as me Someone I share/use drugs with Works at the shelter I use Caseworker/Social worker Someone I drink with Caseworker/Social worker Other (Please specify) Someone I work with A friend A friend Is [NAME/NICKNAME] underhoused or a client of the shelters? Yes 		Interviewer: Check all that apply.					
 Someone who uses same shelter as me Someone I share/use drugs with Works at the shelter I use Caseworker/Social worker Other (Please specify) Someone I work with A friend 3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? Yes Refuse		Someone I hang out with outside the shelter A family member	O Refuse				
 Caseworker/Social worker Someone I work with A friend Other (Please specify) Someone I work with A friend A friend Refus 			igs with 🔾 Don't				
 Someone I work with A friend 3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? Yes 		□ Works at the shelter I use □ Someone I drink with					
Image: Constraint of the shelters? O Yes O Refus							
3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? • Yes • Refus							
O Yes O Refus		A friend					
	3.10c	Is [NAME/NICKNAME] underhoused or a client of the shelters?					
O No O Don't			O Refuse				
		O No	 Don't 				
DVENANT Study – Survey Instrument Version: January 14, 2022	OVENAN	T Study – Survey Instrument Version: January 14, 2022					

I	1		
	O No		Don't
3.11c	Is [NAME/NICKNAME] underhoused or a client of the shelters?	0	Refus
	A friend		
	□ Someone I work with		
	□ Works at the shelter luse □ Someone I drink with □ Caseworker/Social worker □ Other (Please specify)		
	 Someone who uses same shelter as me Works at the shelter I use Someone I drink with 	$\log with$ O	Don't
	□ Someone I hang out with outside the shelter □ A family member		Refus
~~~~~	Interviewer: Check all that apply.		
3.11b	What is [NAME/NICKNAME'S] relationship to you?		
	O       20-29       O       50-59       O       80 and older         O       30-39       O       60-69       O       80 and older	0	Don't
	O     19 and under     O     40-49     O     70-79       O     20-29     O     50-59     O     80 and older		Refus
3.11a	About how old is [NAME/NICKNAME]?		
ontact 5	<u>5</u> - <u>Interviewer</u> : Ask these questions if provided a fifth contact. Otherwise, <b>skip to 3.</b>	12.	
	O No		Don't
3.10g	When you had direct contact, were you wearing a mask at the time? • Yes	$\bigcirc$	Refus
	O No	0	Don't
	O Yes		Refus
3.10f	When you had direct contact, was the contact wearing a mask at the time?		
	<ul><li>O No</li><li>O I did not sleep inside last night</li></ul>	0	Don'i
	O Yes		Refus
3.10e	Did this person sleep/stay in same unit/room as you last night?		
	<ul><li>O Inside</li><li>O Both outside and inside</li></ul>	0	Don't
	O Outside		Refus
	Was this contact:		
3.10d1	<u>Interviewer</u> : Ask this question if answered, "Physical contact" or "Non-physical contoct" or "N	ntact" in 3.7d. Oti	herwis
		Don't know (S	
	<u>Interviewer</u> : Check all that apply. □ Physical contact (any sort of skin-to-skin contact, like shaking hands)	C Refused (Skip	to 3.1

	d When you had direct contact with [NAME/NICKNAME] yesterday, did you have any: <u>Interviewer</u> : Check all that apply.								
	<ul> <li>Physical contact (any sort of skin-to-skin contact, like shaking hands)</li> <li>Non-physical contact (did not touch the person)</li> </ul>	0			o to 3.11e) Skip to 3.11e				
3.11d1	Interviewer: Ask this question if answered, "Physical contact" or "Non-physical to 3.11e.	l conto	act" in 3.2	7d. Oi	therwise, <b>go</b>				
	Was this contact:								
	O Outside			0	Refused				
	O Inside			0	Don't know				
	• Both outside and inside								
3.11e	Did this person sleep/stay in same unit/room as you last night?								
	O Yes			0	Refused				
	O No			0	Don't know				
	• I did not sleep inside last night								
3.11f	When you had direct contact, was the contact wearing a mask at the time?								
	O Yes			0	Refused				
	O No			0	Don't know				
3.11g	When you had direct contact, were you wearing a mask at the time?								
	O Yes			0	Refused				
	O No			0	Don't know				
3.12	If <u>baseline</u> say: Have you shared a living space or had close contact with some COVID-19? If <u>follow-up</u> say: Have you shared a living space or had close contact with some COVID-19 since [DATE] (insert last interview date from 'Interview Information'	neone	who tes	-					
	• Yes (Go to 3.12a) • No	,	,	0	Refused				
				$\mathbf{O}$	Don't know				
3.12a	Interviewer: Ask this question if answered, "Yes" to 3.12.			0	Don't know				
3.12a	Interviewer: Ask this question if answered, "Yes" to 3.12. If yes, how long ago did you share a living space or have close contact with so COVID-19?	omeo	ne who t	ested					

### BMJ Open

• M • U	ne dose received <b>(Skip to 3.13c2)</b> vo doses received <b>(Skip to 3.13e2)</b> ore than two doses received <b>(Skip to 3.15)</b> nvaccinated <b>(Go to 3.13)</b> efused or DK <b>(Go to 3.13)</b>			
3.13	Have you been vaccinated against COVID-19?			
	Interviewer: Select "Yes" if participant has received at least one dose of the COVI	D-19	9 vaccine.	
	○ Yes (Go to 3.13a) ○ No (Skip to 3.14)	0	Refused <b>(Sk</b> i Don't know	ip to 3.14) (Skip to 3.14
3.13a	Interviewer: Ask this question if answered, "Yes" to 3.13. Otherwise, skip to 3.14	! <u>.</u>		
	How many doses of the COVID-19 vaccine have you <u>received</u> so far?			
	O One dose		0	Refused
	<ul> <li>O Two doses</li> <li>O More than two doses</li> </ul>		0	Don't know
ne dose				
	<u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. If c date field blank and then fill out how long ago. If filling out how long ago, any fic have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).			
	Date     D     -     M     M     -     Y     Y     Y     OR       Days ago     #     #     #     Weeks ago     #     #     #     Months ago     #     #	#	0	Refused Don't know
3.13c		#	0	Refused Don't know
3.13c	Days ago # # # Weeks ago # # # Months ago # #	#	0	
3.13c	Days ago    #    #    #    #    Months ago    #    #      Which vaccine did you receive for your first dose?	#	0	Don't knov Refused
wo dose therwis follow- rintout) answei	Days ago       #       #       #       Months ago       #       #         Which vaccine did you receive for your first dose?       •       •       •       •       •       •       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #	two nd 3 to 'Ir	doses" to 3.1 13f and, <b>skip</b> nterview Infor	Don't know Refused Don't know 3a. <b>to 3.15</b> . mation'
wo dose therwis follow- rintout) answei ne most	Days ago       #       #       #       Months ago       #       #         Which vaccine did you receive for your first dose?       •       •       •       •       •       •       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #	two nd 3 to 'Ir not r	doses" to 3.1 13f and, <b>skip</b> nterview Infor	Don't know Refused Don't know 3a. <b>to 3.15</b> . mation' and select

3.13d	When did you receive your <u>second</u> dose of the COVID-19 vaccine?							
	<u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. If date is not known, leave the date field blank and then fill out how long ago. If filling out how long ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).							
	Date D D - M M M - Y Y Y OR	<ul> <li>Only first dose received so far</li> </ul>						
	Days ago # # # Weeks ago # # # Months ago # # #	<ul> <li>N/A (one-dose vaccine receive</li> <li>Refused</li> <li>Don't know</li> </ul>						
3.13e	Which vaccine did you receive for your <u>second</u> dose?							
	<ul> <li>Pfizer and BioNTech, mRNA vaccine</li> <li>Moderna, mRNA vaccine</li> <li>Astra Zeneca/COVISHIELD, viral vector vaccine</li> <li>Other (Please specify)</li></ul>	<ul> <li>Refused</li> <li>Don't kit</li> </ul>						
lore tha	n <u>two doses</u> - <u>Interviewer</u> : If baseline, <b>skip to 3.13f</b> if answered "More than two doses	″ to 3.13a. Otherwise,						
ot recor	d a date and select the most appropriate option below for 3.13f and, <b>skip to 3.15</b> .							
follow-u	روم <b>to 3.13e2</b> if the participant received <u>two</u> doses at their last interview (refer to 'I	nterview Information'						
-		2						
rintout).								
rintout). answer		l select the most						
answer	ed "More than two doses" to 3.13a, <b>skip to 3.13f.</b> Otherwise, do not record a date and	l select the most						
answer		l select the most						
answer opropric	ed "More than two doses" to 3.13a, <b>skip to 3.13f.</b> Otherwise, do not record a date and	I select the most						
answer opropric	ed "More than two doses" to 3.13a, <b>skip to 3.13f.</b> Otherwise, do not record a date and ate option below for 3.13f and, <b>skip to 3.15</b> . Have you had a third dose of the COVID-19 vaccine?							
answer opropric	ed "More than two doses" to 3.13a, <b>skip to 3.13f.</b> Otherwise, do not record a date and ate option below for 3.13f and, <b>skip to 3.15</b> . Have you had a third dose of the COVID-19 vaccine?	Refused (Skip to 3.1!						
answer opropric	ed "More than two doses" to 3.13a, <b>skip to 3.13f.</b> Otherwise, do not record a date and ate option below for 3.13f and, <b>skip to 3.15</b> . Have you had a third dose of the COVID-19 vaccine?	Refused (Skip to 3.15						
answer opropric 3.13e2	ed "More than two doses" to 3.13a, <b>skip to 3.13f.</b> Otherwise, do not record a date and ate option below for 3.13f and, <b>skip to 3.15</b> . Have you had a third dose of the COVID-19 vaccine? O Yes (Go to 3.13f) O No (Skip to 3.15)	Refused (Skip to 3.15						
answer opropric	<ul> <li>ed "More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and ate option below for 3.13f and, skip to 3.15.</li> <li>Have you had a third dose of the COVID-19 vaccine?</li> <li>Yes (Go to 3.13f) O No (Skip to 3.15)</li> <li>When did you receive your third dose of the COVID-19 vaccine?</li> </ul>	Refused <b>(Skip to 3.15</b> Don't know <b>(Skip to</b> 3						
answer opropric 3.13e2	<ul> <li>ed "More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and ate option below for 3.13f and, skip to 3.15.</li> <li>Have you had a third dose of the COVID-19 vaccine?</li> <li>Yes (Go to 3.13f) O No (Skip to 3.15)</li> <li>When did you receive your third dose of the COVID-19 vaccine?</li> <li>Interviewer: Record date if known and leave the "how long ago fields" blank. If date if the coving the coving and the coving the covin</li></ul>	Refused <b>(Skip to 3.15</b> Don't know <b>(Skip to 3</b> s not known, leave the						
answer opropric 3.13e2	ed "More than two doses" to 3.13a, <b>skip to 3.13f.</b> Otherwise, do not record a date and ate option below for 3.13f and, <b>skip to 3.15</b> . Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your <u>third</u> dose of the COVID-19 vaccine? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. If date if date field blank and then fill out how long ago. If filling out how long ago, any fields to	Refused <b>(Skip to 3.15</b> Don't know <b>(Skip to 3</b> s not known, leave the						
answer opropric 3.13e2	<ul> <li>ed "More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and ate option below for 3.13f and, skip to 3.15.</li> <li>Have you had a third dose of the COVID-19 vaccine?</li> <li>Yes (Go to 3.13f) O No (Skip to 3.15)</li> <li>When did you receive your third dose of the COVID-19 vaccine?</li> <li>Interviewer: Record date if known and leave the "how long ago fields" blank. If date if the coving the coving and the coving the covin</li></ul>	Refused <b>(Skip to 3.15</b> Don't know <b>(Skip to 3</b> s not known, leave the						
answer opropric 3.13e2	<ul> <li>More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and the option below for 3.13f and, skip to 3.15.</li> <li>Have you had a third dose of the COVID-19 vaccine?</li> <li>Yes (Go to 3.13f) No (Skip to 3.15)</li> <li>When did you receive your third dose of the COVID-19 vaccine?</li> <li>Interviewer: Record date if known and leave the "how long ago fields" blank. If date if date field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).</li> </ul>	Refused <b>(Skip to 3.15</b> Don't know <b>(Skip to 3</b> is not known, leave the hat aren't used should						
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answer opropric 3.13e2	<ul> <li>More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and ate option below for 3.13f and, skip to 3.15.</li> <li>Have you had a third dose of the COVID-19 vaccine?</li> <li>Yes (Go to 3.13f) O No (Skip to 3.15)</li> <li>When did you receive your third dose of the COVID-19 vaccine?</li> <li>Interviewer: Record date if known and leave the "how long ago fields" blank. If date if date field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).</li> <li>Date D D - M M M - Y Y Y OR</li> </ul>	Refused <b>(Skip to 3.15</b> Don't know <b>(Skip to 3</b> is not known, leave the that aren't used should N/A O N/A O Refused						
answer opropric 3.13e2	<ul> <li>More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and the option below for 3.13f and, skip to 3.15.</li> <li>Have you had a third dose of the COVID-19 vaccine?</li> <li>Yes (Go to 3.13f) No (Skip to 3.15)</li> <li>When did you receive your third dose of the COVID-19 vaccine?</li> <li>Interviewer: Record date if known and leave the "how long ago fields" blank. If date if date field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).</li> </ul>	Refused <b>(Skip to 3.15</b> Don't know <b>(Skip to 3</b> is not known, leave the that aren't used should O N/A O Refused						
answer opropric 3.13e2 3.13f	<ul> <li>More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and the option below for 3.13f and, skip to 3.15.</li> <li>Have you had a third dose of the COVID-19 vaccine?</li> <li>Yes (Go to 3.13f) O No (Skip to 3.15)</li> <li>When did you receive your third dose of the COVID-19 vaccine?</li> <li>Interviewer: Record date if known and leave the "how long ago fields" blank. If date if date field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).</li> <li>Date D D - M M M - Y Y Y Y OR</li> <li>Days ago # # # Weeks ago # # # Months ago # # #</li> </ul>	Refused <b>(Skip to 3.15</b> Don't know <b>(Skip to 3</b> is not known, leave the that aren't used should O N/A O Refused						
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answer oproprio 3.13e2 3.13f	ed "More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and the option below for 3.13f and, skip to 3.15. Have you had a third dose of the COVID-19 vaccine? O Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your <u>third</u> dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date if date field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y V Y OR Days ago # # # Weeks ago # # # Months ago # # # Which vaccine did you receive for your <u>third</u> dose? O Pfizer and BioNTech, mRNA vaccine O Moderna, mRNA vaccine	Refused <b>(Skip to 3.15</b> Don't know <b>(Skip to 3</b> S not known, leave the hat aren't used should O N/A O Refused O Don't kn						
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answer oproprio 3.13e2 3.13f	ed "More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and the option below for 3.13f and, skip to 3.15. Have you had a third dose of the COVID-19 vaccine? O Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your <u>third</u> dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date if date field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y V Y OR Days ago # # # Weeks ago # # # Months ago # # # Which vaccine did you receive for your <u>third</u> dose? O Pfizer and BioNTech, mRNA vaccine O Moderna, mRNA vaccine	Refused <b>(Skip to 3.15</b> Don't know <b>(Skip to 3</b> S not known, leave the hat aren't used should O N/A O Refused O Don't kn						
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answer oproprio 3.13e2 3.13f 3.13f	ed "More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and the option below for 3.13f and, skip to 3.15. Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date if date field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y OR Days ago # # # Weeks ago # # # Months ago # # # Which vaccine did you receive for your third dose? O Pfizer and BioNTech, mRNA vaccine O Moderna, mRNA vaccine Astra Zeneca/COVISHIELD, viral vector vaccine O Other (Please specify) Interviewer: Ask this question if answered, "No" to 3.13. Otherwise, skip to 3.15.	Refused <b>(Skip to 3.15</b> Don't know <b>(Skip to 3</b> S not known, leave the hat aren't used should O N/A O Refused O Don't kn						
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answer oproprio 3.13e2 3.13f 3.13f	ed "More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and the option below for 3.13f and, skip to 3.15. Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date if date field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y OR Days ago # # # Weeks ago # # # Months ago # # # Which vaccine did you receive for your third dose? O Pfizer and BioNTech, mRNA vaccine O Moderna, mRNA vaccine Astra Zeneca/COVISHIELD, viral vector vaccine O Other (Please specify) Interviewer: Ask this question if answered, "No" to 3.13. Otherwise, skip to 3.15.	Refused <b>(Skip to 3.15</b> Don't know <b>(Skip to 3</b> S not known, leave the hat aren't used should O N/A O Refused O Don't kn						

3.14a									
	Interviewer: If "Somewhat unlikely" or "Very unlikely", go to 3.14b. All others, skip to 3.1	15.							
	<ul> <li>Very likely</li> <li>Somewhat likely</li> <li>Somewhat unlikely (Go to 3.14b)</li> <li>Very unlikely (Go to 3.14b)</li> </ul>			lefused )on't kr					
3.14b	<u>Interviewer</u> : Ask this question if answered, "Somewhat unlikely" or "Very unlikely" to 3.1 <b>3.15</b> .	4a. Ot	herwi	se, <b>go</b> 1	to				
	Why did you/would you choose <u>not</u> to get the COVID-19 vaccine?								
	Interviewer: Read all options before asking participant to select options. Select all that a	pply.							
	<ul> <li>Not confident in the safety of the vaccine</li> <li>Concern about risks and side effects</li> <li>Will wait until it seems safe to get the vaccine</li> <li>Do not consider it necessary to get the vaccine</li> <li>Do not believe in vaccination</li> <li>Have a pre-existing medical condition</li> <li>Already had or think I have had COVID-19</li> <li>Have not yet decided</li> <li>Don't know where to get it</li> <li>Vaccine wasn't available to me</li> <li>Not listed (Please specify)</li> </ul>			lefused )on't kr					
3.15	Now I am going to ask if you have had certain symptoms this <u>past week</u> . Thinking about the <u>past week</u> , have you had:	Yes	No	Ref					
3.15 A		Yes	<b>No</b>	Ref -2					
	about the <u>past week</u> , have you had:								
А	about the <u>past week</u> , have you had: Fever	1	2	-2					
AB	about the past week, have you had:         Fever         New or worsening cough	1	2	-2 -2					
A B C	about the past week, have you had:         Fever         New or worsening cough         New or worsening shortness of breath	1 1 1	2 2 2 2	-2 -2 -2 -2					
A B C D	about the past week, have you had:         Fever         New or worsening cough         New or worsening shortness of breath         Sore throat/hoarse voice	1 1 1 1 1	2 2 2 2 2	-2 -2 -2 -2 -2					
A B C D E	about the past week, have you had:         Fever         New or worsening cough         New or worsening shortness of breath         Sore throat/hoarse voice         Difficulty swallowing	1 1 1 1 1 1	2 2 2 2 2 2 2 2	-2 -2 -2 -2 -2 -2 -2					
A B C D E F	about the past week, have you had:         Fever         New or worsening cough         New or worsening shortness of breath         Sore throat/hoarse voice         Difficulty swallowing         Sore muscles or joints (without an underlying reason)	1 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 2 2 2	-2 -2 -2 -2 -2 -2 -2 -2 -2					
A B C D E F G	about the past week, have you had:         Fever         New or worsening cough         New or worsening shortness of breath         Sore throat/hoarse voice         Difficulty swallowing         Sore muscles or joints (without an underlying reason)         Headache	1 1 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2	-2 -2 -2 -2 -2 -2 -2 -2 -2 -2					
A B C D E F G H	about the past week, have you had:         Fever         New or worsening cough         New or worsening shortness of breath         Sore throat/hoarse voice         Difficulty swallowing         Sore muscles or joints (without an underlying reason)         Headache         Fatigue	1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2	-2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2					

4.1	Hene way dama any noid work since March 1, 2020 (if breading) (since [DATE] (ii	fallaur		out lou	
	Have you done any <u>paid</u> work since March 1, 2020 (if baseline)/since [DATE] (if date from 'Interview Information' printout)?	Jonow-L	ip, inse	ertias	st inte
	O Yes O No (Skip to 4.2)	O Re O Do	fused n't kn		
4.1a	Interviewer: Ask this question if answered, "Yes" to 4.1. Otherwise, skip to 4.2.				
	Where do/did you work?				
					lefuse Don't
					νοπ τ
4.1b	Interviewer: Ask this question if answered, "Yes" to 4.1. Otherwise, go to 4.2.				
	What type of work do/did you do?				
					lefuse Don't
4.2	Have you done any volunteer work since March 1, 2020 (if baseline)/since [DA interview date from 'Interview Information' printout)?	<b>TE]</b> (if fo	llow-u	p, ins	ert la
			fused	(Skip	
	O Yes O No (Skip to 4.3)		n't kn		kip to
4.2a	Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, <b>skip to 4.3</b> .		n't kn		kip to
4.2a	2		n't kn		kip to
4.2a	Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, skip to 4.3.		n't kn	ow (S	lefuse
4.2a	Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, skip to 4.3. Where do/did you volunteer?		on't kn	ow (S	lefuse
4.2a 4.2b	Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, skip to 4.3. Where do/did you volunteer?		'n't kn	ow (S	lefuse
	Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, skip to 4.3. Where do/did you volunteer?		'n't kn	ow (S	
	Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, skip to 4.3.         Where do/did you volunteer?         Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, go to 4.3.				lefuse

4.3	Since March 1, 2020 (if baseline)/since [DATE] (if follow-up, insert last interview date from 'Interview Information' printout), how often have you	Never	Rarely	Occasionally	Often	Always	Ref	DK
A	Worn a face mask in public places?	1	2	3	4	5	-2	-3
В	Practiced physical distancing in public places?	1	2	3	4	5	-2	-3
С	Avoided crowded places or gatherings?	1	2	3	4	5	-2	-3
D	Washed hands with soap or used hand sanitizer several times per day?	1	2	3	4	5	-2	-3
erview <b>ck (RT</b>	set of questions are about your housing history. I <u>er</u> : Question 5.1 is <u>only asked at baseline</u> . If this is a <u>follow-up</u> interview, s LFB). Ce with Homelessness	skip to	Resid	lentia	l Time	eline F	ollow	-
	had a place of your own? <u>Interviewer</u> : If a value is filled out in one of the options below, the rest shyears: 2, Number of months: 1, Number of days: 0.         Own place is a place that is (1) not temporary (i.e. lasting 6 months or more) AND (2) where the person is paying rent. Exception: Staying with p temporary; see definition above) basis and not paying rent.         # of years       #       #       # of months       #       #       # of days       #	ore O	R expe	ected	to last	6 mo ermai	nths o	r non-
w I an interv king a tes as <u>erview</u> estion t inter	ial Timeline Follow-Back (RTLFB) a going to ask you about where you have been living for the past 3 monthiew, insert last interview date from 'Interview Information' printout). Tode bout is between [DATE] and today. Let's look at this calendar together (a you talk. <u>rer</u> : Refer to the Adapted RTLFB Tool. Fill in the calendar with all moves first in this survey. Make sure you <u>probe</u> for all residences from current date to view date (if follow-up). <u>DO NOT</u> leave gaps in the tool. Start on and record ds ensuring there are no gaps. Once the calendar is complete say:	ay is [I refer t st, the to 3 m	<b>DATE</b> o RTL on go d onths	<b>, so th</b> FB Too on to d prior	ne tim ol) and ask the (if bas	e we'l I I'll m e resia eline),	l be ake ence /since	the
	ed to go over specific information about each of the places that you hav . We will start with where you are living now and work backwards from			were	listed	l on tl	ne	

5.2	<b>What's the name of the place you are/were staying at?</b> <u>Interviewer</u> : Record description according to what they tell you, prompt if necessary to get	Interviewer: Record description according to what they tell you, prompt if necessary to get as specific as							
	possible.		-						
		0	Refuse Don't k						
5.3	<u>Interviewer</u> : Enter residence type code based on what you entered on the calendar. If code shelter), <b>go to 5.3a</b> . If code "B" (i.e. Physical Distancing Hotel), <b>go to 5.3b</b> . Otherwise, <b>skip</b> a		. Homele						
	If need more information say: Where are/were you staying? What sort of residence is this list)?	(refer	to codin						
	If other (Please specify)	0	Refuse						
	Type code	0	Don't k						
5.3a	<u>Interviewer</u> : If residence type is code "A" in 5.3, enter the appropriate shelter code based of on the calendar then <b>skip to 5.5</b> . Otherwise, <b>go to 5.3b</b> if residence type is code "B" or, <b>go t</b> residence types.								
	If need more information say: Which shelter are/were you staying at (refer to coding list)?	1							
	If other (Please specify)	$\bigcirc$	Refuse						
		0	Don't k						
	Shelter code								
5.3b	<u>Interviewer</u> : If residence type is code "B" in 5.3, enter the appropriate hotel code based on a on the calendar then <b>skip to 5.5</b> . Otherwise, <b>go to 5.4</b> . If need more information say: <b>Which physical distancing hotel are/were you staying at</b> (re	-	oding lis						
5.3b	<u>Interviewer</u> : If residence type is code "B" in 5.3, enter the appropriate hotel code based on a on the calendar then <b>skip to 5.5</b> . Otherwise, <b>go to 5.4</b> .	fer to c	coding lis Refuse						
5.3b	<u>Interviewer</u> : If residence type is code "B" in 5.3, enter the appropriate hotel code based on a on the calendar then <b>skip to 5.5</b> . Otherwise, <b>go to 5.4</b> . If need more information say: <b>Which physical distancing hotel are/were you staying at</b> (re	-	coding lis						
5.3b 5.4	Interviewer: If residence type is code "B" in 5.3, enter the appropriate hotel code based on the calendar then <b>skip to 5.5</b> . Otherwise, <b>go to 5.4</b> . If need more information say: Which physical distancing hotel are/were you staying at (really other (Please specify)	fer to c	coding lis Refuse Don't k						
	Interviewer:       If residence type is code "B" in 5.3, enter the appropriate hotel code based on the calendar then skip to 5.5. Otherwise, go to 5.4.         If need more information say:       Which physical distancing hotel are/were you staying at (realisting to the code)         If other (Please specify)       If other (Please specify)         Hotel code       If residence type is code "A" or "B" (unless "Other" option is selected) in 5.3, sk	fer to c	coding lis Refuse Don't k						
	Interviewer:       If residence type is code "B" in 5.3, enter the appropriate hotel code based on the calendar then skip to 5.5. Otherwise, go to 5.4.         If need more information say:       Which physical distancing hotel are/were you staying at (regime to the code of the	fer to c	coding lis Refuse Don't k .5. Other Refuse						
	Interviewer:       If residence type is code "B" in 5.3, enter the appropriate hotel code based on the calendar then skip to 5.5. Otherwise, go to 5.4.         If need more information say:       Which physical distancing hotel are/were you staying at (realisting to the residence specify)         Hotel code	fer to c	coding lis Refuse Don't k						
	Interviewer:       If residence type is code "B" in 5.3, enter the appropriate hotel code based on to on the calendar then skip to 5.5. Otherwise, go to 5.4.         If need more information say:       Which physical distancing hotel are/were you staying at (real if other (Please specify)         Hotel code       If need more information is selected) in 5.3, skate         Interviewer:       If residence type is code "A" or "B" (unless "Other" option is selected) in 5.3, skate         What is/was the address of the residence?	fer to c	coding lis Refuse Don't k .5. Other Refuse						
5.4	Interviewer:       If residence type is code "B" in 5.3, enter the appropriate hotel code based on a on the calendar then skip to 5.5. Otherwise, go to 5.4.         If need more information say:       Which physical distancing hotel are/were you staying at (real formation say:         If other (Please specify)       If other (Please specify)         Hotel code       Interviewer:         If residence type is code "A" or "B" (unless "Other" option is selected) in 5.3, skask:         What is/was the address of the residence?	fer to c	coding lis Refuse Don't k .5. Other Refuse						
5.4	Interviewer:       If residence type is code "B" in 5.3, enter the appropriate hotel code based on a on the calendar then skip to 5.5. Otherwise, go to 5.4.         If need more information say:       Which physical distancing hotel are/were you staying at (reality of the the theter)         Hotel code       If other (Please specify)         Hotel code       Interviewer:         If residence type is code "A" or "B" (unless "Other" option is selected) in 5.3, sk         What is/was the address of the residence?         Do you know the closest major intersection?	fer to c	coding lis Refuse Don't k .5. Other Refuse						
5.4	Interviewer:       If residence type is code "B" in 5.3, enter the appropriate hotel code based on to on the calendar then skip to 5.5. Otherwise, go to 5.4.         If need more information say:       Which physical distancing hotel are/were you staying at (realify)         Hotel code       If other (Please specify)         Hotel code       Interviewer:         If residence type is code "A" or "B" (unless "Other" option is selected) in 5.3, sk         What is/was the address of the residence?         Do you know the closest major intersection?         Interviewer:       If outside of Toronto, indicate the city.	fer to c	Refuse Don't k .5. Other Refuse Don't k Refuse						
5.4	Interviewer:       If residence type is code "B" in 5.3, enter the appropriate hotel code based on to on the calendar then skip to 5.5. Otherwise, go to 5.4.         If need more information say:       Which physical distancing hotel are/were you staying at (realify)         Hotel code       If other (Please specify)         Hotel code       Interviewer:         If residence type is code "A" or "B" (unless "Other" option is selected) in 5.3, sk         What is/was the address of the residence?         Do you know the closest major intersection?         Interviewer:       If outside of Toronto, indicate the city.	fer to c	Refuse Don't k .5. Other Refuse Don't k Refuse						

	Do you know the neighbourhood where the site/building is located?		
		0	Refuse Don't k
5.5	Interviewer: Enter date based on what you entered on the calendar.		
	If need more information say: What was the first night you stayed here?		
	Start Date D D - M M M - Y Y Y Y	0	Refuse Don't k
5.6	Interviewer: If current residence select N/A and, <b>go to 5.7</b> . Enter date based on what you enter calendar.	ed c	on the
	If need more information say: What was the last night you stayed here?		
	Stop Date         D         -         M         M         -         Y         Y         Y         O         N/A (C	urre	ent resic
	O Refuse O Don't k		N
5.7	<u>Interviewer</u> : Does the participant use this place (Residence 1) as a "Split Residence"? Refers to s moving to and from this location are not considered true moves because the participant is split between <u>this place and 1 or more other locations</u> . Refer to QxQ.		
	If need more information say: Do/did you split your time between this residence and another	r res	sidence
	O Yes   O No (Skip to 5.8)   O Refused     O Don't know		
5.7a	Interviewer: Record answer if answered, "Yes" to 5.7. Otherwise, <b>skip to 5.8.</b>		
	How many times has the participant <u>moved into</u> Residence 1 over the measurement period? Re measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up). Comments:		
	# of times # # #	0	Refuse
5.7b	Interviewer: Record answer if answered, "Yes" to 5.7. Otherwise, <b>go to 5.8</b> .		
5.7b	How many nights has the participant <u>lived at</u> Residence 1 over the measurement period? Reme measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up). Comments:		Don't
5.7b	How many nights has the participant <u>lived at</u> Residence 1 over the measurement period? Reme measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up).		Don't k er that t Refuse
5.7b 5.8	How many nights has the participant <u>lived at</u> Residence 1 over the measurement period? Reme measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up). Comments:	0	Refuse Don't k er that t Refuse Don't k

	# of people # # #		Refused Don't kno
cidona	• 2		
sidenc	<u>e z</u> ver: Select the most appropriate optio	n balaw to continue	
	ecord another residence <b>(Go to 5.9)</b>	m below to continue.	
	o other residences to record (Skip to e	end of instrument)	
5.9	What's the name of the place you a	are/were staying at?	
		ording to what they tell you, prompt if necessary to get as spec	tific as
	possible.		-
	·	0	Refused
		0	Don't kno
5.10	Interviewer: Enter residence type co	de based on what you entered on the calendar. If code "A" (i.e	. Homeless
		. Physical Distancing Hotel), go to 5.10b. Otherwise, skip to 5.	
	If need more information say: When	e are/were you staying? What sort of residence is this (refer	to codina
	list)?	e are/were you staying: what sort of residence is this (rejer	to county
	If other	(Please specify)	Refused Don't kno
	Type code	<u> </u>	
			t vou
5.10a		e "A" in 5.10, enter the appropriate shelter code based on wha <b>to 5.12</b> . Otherwise, <b>ao to 5.10b</b> if residence type is code "B" or	
5.10a		to 5.12. Otherwise, go to 5.10b if residence type is code "B" or	
5.10a	recorded on the calendar then <b>skip</b> for all other residence types.		
5.10a	recorded on the calendar then <b>skip</b> for all other residence types. If need more information say: <b>Whic</b>	<b>to 5.12</b> . Otherwise, <b>go to 5.10b</b> if residence type is code "B" or	, <b>go to 5.11</b> Refused
5.10a	recorded on the calendar then <b>skip</b> for all other residence types. If need more information say: <b>Whic</b>	to 5.12. Otherwise, go to 5.10b if residence type is code "B" or h shelter are/were you staying at (refer to coding list)?	, go to 5.11
5.10a	recorded on the calendar then <b>skip</b> for all other residence types. If need more information say: <b>Whic</b> If other	to 5.12. Otherwise, go to 5.10b if residence type is code "B" or h shelter are/were you staying at (refer to coding list)?	, <b>go to 5.11</b> Refused
5.10a 5.10b	recorded on the calendar then <b>skip</b> for all other residence types. If need more information say: <b>Whic</b> If other Shelter code	to 5.12. Otherwise, go to 5.10b if residence type is code "B" or h shelter are/were you staying at (refer to coding list)? (Please specify) e "B" in 5.10, enter the appropriate hotel code based on what y	, <b>go to 5.11</b> Refused Don't kno
	recorded on the calendar then <b>skip</b> for all other residence types. If need more information say: <b>Whic</b> If other Shelter code	to 5.12. Otherwise, go to 5.10b if residence type is code "B" or h shelter are/were you staying at (refer to coding list)? (Please specify) e "B" in 5.10, enter the appropriate hotel code based on what you	Refused Don't kno
	recorded on the calendar then <b>skip</b> for all other residence types. If need more information say: Which If other Shelter code <u>Interviewer</u> : If residence type is code on the calendar then <b>skip to 5.12</b> . Of If need more information say: Which	to 5.12. Otherwise, go to 5.10b if residence type is code "B" or h shelter are/were you staying at (refer to coding list)? (Please specify) e "B" in 5.10, enter the appropriate hotel code based on what you otherwise, go to 5.11. h physical distancing hotel are/were you staying at (refer to complete t	Refused Don't kno you recorde
	recorded on the calendar then <b>skip</b> for all other residence types. If need more information say: Which If other Shelter code <u>Interviewer</u> : If residence type is code on the calendar then <b>skip to 5.12</b> . Of If need more information say: Which	to 5.12. Otherwise, go to 5.10b if residence type is code "B" or h shelter are/were you staying at (refer to coding list)? (Please specify) e "B" in 5.10, enter the appropriate hotel code based on what you	Refused Don't kno

hat is/was the address of the residence?	0	Refuse Don't Refuse Don't Refuse Don't
b you know the <u>closest</u> major intersection? <u>terviewer</u> : If outside of Toronto, indicate the city. b you know the neighbourhood where the site/building is located? <u>terviewer</u> : Enter date based on what you entered on the calendar. need more information say: What was the <u>first night</u> you stayed here? Start Date D D D D M M M Y Y Y Y Y <u>terviewer</u> : If current residence select N/A and, <b>go to 5.14</b> . Enter date based on what you lendar. need more information say: What was the <u>last night</u> you stayed here?		Refuse Don't Refuse Don't Refuse Don't
b you know the <u>closest</u> major intersection? terviewer: If outside of Toronto, indicate the city. b you know the neighbourhood where the site/building is located? b you know the neighbourhood where the site/building is located? terviewer: Enter date based on what you entered on the calendar. need more information say: What was the <u>first night</u> you stayed here? Start Date D D D M M M Y Y Y Y terviewer: If current residence select N/A and, <b>go to 5.14</b> . Enter date based on what you lendar. need more information say: What was the <u>last night</u> you stayed here?		Refuse Don't Refuse Don't Refuse Don't
terviewer:       If outside of Toronto, indicate the city.         o you know the neighbourhood where the site/building is located?         terviewer:       Enter date based on what you entered on the calendar.         need more information say:       What was the first night you stayed here?         Start Date       D         D       M         terviewer:       If current residence select N/A and, go to 5.14. Enter date based on what you lendar.         need more information say:       What was the last night you stayed here?		Don't Refuse Don't Refuse Don't
by you know the neighbourhood where the site/building is located?		Don't Refuse Don't Refuse Don't
b you know the neighbourhood where the site/building is located?         terviewer: Enter date based on what you entered on the calendar.         need more information say: What was the first night you stayed here?         Start Date       D         D       D         M       Y         terviewer:       If current residence select N/A and, go to 5.14. Enter date based on what you lendar.         need more information say: What was the last night you stayed here?		Don't Refuse Don't Refuse Don't
b you know the neighbourhood where the site/building is located?	0 0	Refuse Don't Refuse Don't
terviewer:       Enter date based on what you entered on the calendar.         need more information say:       What was the first night you stayed here?         Start Date       D       -       M       Y       Y       Y         terviewer:       If current residence select N/A and, go to 5.14. Enter date based on what you lendar.         need more information say:       What was the last night you stayed here?	0 0	Don't Refuse Don't
terviewer:       Enter date based on what you entered on the calendar.         need more information say:       What was the first night you stayed here?         Start Date       D       -       M       Y       Y       Y         terviewer:       If current residence select N/A and, go to 5.14. Enter date based on what you lendar.         need more information say:       What was the last night you stayed here?	0 0	Don't Refuse Don't
terviewer:       Enter date based on what you entered on the calendar.         need more information say:       What was the first night you stayed here?         Start Date       D       D       H         terviewer:       If current residence select N/A and, go to 5.14. Enter date based on what you lendar.         need more information say:       What was the last night you stayed here?	0	Refuse Don't
need more information say: What was the <u>first night</u> you stayed here? Start Date D D - M M M Y Y Y Y <u>terviewer</u> : If current residence select N/A and, <b>go to 5.14</b> . Enter date based on what you lendar. need more information say: What was the <u>last night</u> you stayed here?	0	Don't
need more information say: What was the <u>first night</u> you stayed here? Start Date D D - M M M Y Y Y Y <u>terviewer</u> : If current residence select N/A and, <b>go to 5.14</b> . Enter date based on what you lendar. need more information say: What was the <u>last night</u> you stayed here?	0	Don't
Start Date D D - M M M Y Y Y Y <u>terviewer</u> : If current residence select N/A and, <b>go to 5.14</b> . Enter date based on what you lendar. need more information say: What was the <u>last night</u> you stayed here?	0	Don't
<u>terviewer</u> : If current residence select N/A and, <b>go to 5.14</b> . Enter date based on what you lendar. Ineed more information say: <b>What was the <u>last night</u> you stayed here?</b>	0	Don't
lendar. need more information say: What was the <u>last night</u> you stayed here?	ou entered	d on the
need more information say: What was the last night you stayed here?		
Stop Date   D   D   -   M   M   M   -   Y   Y   Y   Y   Y   Y   Y   Y   Y		
	N/A (Curr Refused	rent resi
	Don't kno	0W
oving to and from this location are not considered true moves because the participant otween <u>this place and 1 or more other locations</u> . Refer to QxQ.	is splittin	g time
	-	
terviewer: Record answer if answered, "Yes" to 5.14. Otherwise, <b>skip to 5.15.</b>		
		ember ti
f times # # #	O	Don't
	erviewer: Does the participant use this place (Residence 2) as a "Split Residence"? Reporting to and from this location are not considered true moves because the participant tween this place and 1 or more other locations. Refer to QxQ. The enviewer information say: Do/did you split your time between this residence and a a service were information say: Do/did you split your time between this residence and a a service were if answered, "Yes" to 5.14. Otherwise, skip to 5.15. We many times has the participant moved into Residence 2 over the measurement period is past 3 months (if baseline)/since the last interview date (if for comments:	erviewer: Does the participant use this place (Residence 2) as a "Split Residence"? Refers to state by our provided the participant is splitting tween this place and 1 or more other locations. Refer to QxQ. meed more information say: Do/did you split your time between this residence and another reference Yes O No (Skip to 5.15) Refused (Skip to 5.15) erviewer: Record answer if answered, "Yes" to 5.14. Otherwise, skip to 5.15. w many times has the participant moved into Residence 2 over the measurement period? Remere measurement period is past 3 months (if baseline)/since the last interview date (if follow-up). Comments:

5.14b	Interviewer: Record answ	er if answ	ered, "Yes" to 5.14. Otherwise,	, go to 5.	.15.		
	How many niahts has the	participa	nt <u>lived at</u> Residence 2 over the	e measui	rement period? Rei	memb	er that the
			<u>ths</u> (if baseline)/since the last in				
	,		Comments:		())		Refused
	# of nights   #   #   #					- 0	Don't know
5.15	Are/were you sharing a l	iving spac	e with anyone while staying h	nere?			
	O Alone (Skip to Reside	ence 3)	O Shared	0	Refused (Skip to	Resid	lence 3)
				0	Don't know (Ski	p to R	esidence 3)
5.15a	Interviewer: Ask if answe	red, "Shar	ed" to 5.15. Otherwise, <b>go to R</b>	Residenc	e 3.		
	If yes, how many people	are/were	you sharing your living space	with?			
						$\bigcirc$	Refused
	# of people # #	#				$\bigcirc$	Don't knov
	- 2						
sidenc							
erview	<u>ver</u> : Select the most approp	riate optic	on below to continue.				
	ecord another residence <b>(G</b>	-					
O No	o other residences to record	d <b>(Skip to</b>	end of instrument)				
5.16	What's the name of the I	nlace vou	are/were staving at?				
5.10	-	-					
		iption acc	ording to what they tell you, pi	rompt if	necessary to get a	s spec	ific as
	possible.						
						0	Refused
						$\bigcirc$	Don't know
5.17			ode based on what you entered		•		
	shelter), <b>go to 5.17a</b> . If co	ode "B" (i.e	e. Physical Distancing Hotel), <b>g</b>	o to 5.17	<b>7b</b> . Otherwise, <b>skip</b>	) to 5.:	18.
	If need more information	sav: Whe	re are/were you staying? Wha	at sort of	f residence is this	Irofor	to codina
	list)?	suy. wile			r residence is this	[iejei	to county
		If othe	r (Please specify)			0	Refused
						0	Don't know
	Type code						
			<i></i>				
5.17a			e "A" in 5.17, enter the approp				•
	for all other residence typ	•	to 5.19. Otherwise, go to 5.17	<b>b</b> if resid	ience type is code	в or,	, go to 5.18
	jor an other residence typ	ies.					
	If need more information	say: Whic	h shelter are/were you stayin	n <mark>g at</mark> (ref	fer to coding list)?		
		If othe	r (Please specify)			0	Refused
			· · · · ·				Don't know
	Shelter code						
			v, v, v, v. v.	2022			-
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	For peer re	view only -	http://bmjopen.bmj.com/site/ak	pout/gui	aeiines.xhtml		

5.17b	<u>Interviewer</u> : If residence type is code "B" in 5.17, enter the appropriate hotel code bas on the calendar then <b>skip to 5.19</b> . Otherwise, <b>go to 5.18</b> .	ed on what	you recorde
	If need more information say: Which physical distancing hotel are/were you staying	<b>at</b> (refer to a	coding list)
	If other (Please specify)		Refused
			Don't kno
	Hotel code		
5.18	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5 Otherwise, ask:	5.17, <b>skip to</b>	<b>5.19</b> .
	What is/was the address of the residence?	$\bigcirc$	Defuced
		$\bigcirc$	Refused Don't kno
E 10a	Do you know the electric major intersection?		
5.18a	Do you know the <u>closest</u> major intersection?		
	Interviewer: If outside of Toronto, indicate the city.		
			Refused
		O	Don't kno
F 40h			
5.18b	Do you know the neighbourhood where the site/building is located?	0	
			Refused
		0	Don't kno
5.19	Interviewer: Enter date based on what you entered on the calendar.		
	If need more information say: What was the first night you stayed here?		
	Start Date   D   D   -   M   M   M   -   Y   Y   Y   Y	0	Refused
		0	Don't kno
5.20	Interviewer: If current residence select N/A and, <b>go to 5.21</b> . Enter date based on what calendar.	you entered	l on the
	If need more information say: What was the last night you stayed here?		
	Stop Date D D - M M M - Y Y Y Y	N/A (Curr	ent resider
		Refused	
	C	Don't kno	W
5.21	<u>Interviewer</u> : Does the participant use this place (Residence 3) as a "Split Residence"? I moving to and from this location are not considered true moves because the participa between <u>this place and 1 or more other locations</u> . Refer to QxQ.		
	If need more information say: Do/did you split your time between this residence and	d another re	sidence?
	O Yes O No (Skip to 5.22)	Refused (Sk	ip to 5.22)

5.21a	Interviewer: Record answer if answ	vered, "Yes" to 5.21. Otherwi	se, <b>skip to 5.22.</b>	
	How many times has the participar measurement period is <u>past 3 mon</u>			
	# of times # # #			– 🔾 Don't kno –
5.21b	Interviewer: Record answer if answ	vered, "Yes" to 5.21. Otherwi	se, <b>go to 5.22.</b>	
	How many nights has the participa measurement period is <u>past 3 mon</u>			
	# of nights # # #	Comments:		<ul> <li>O Refused</li> <li>O Don't kno</li> </ul>
5.22	Are/were you sharing a living space	ce with anyone while staying	g here?	
	O Alone (Skip to Residence 4)	O Shared	<ul><li>O Refused (Skip to</li><li>O Don't know (Skip</li></ul>	-
5.22a	Interviewer: Ask if answered, "Shar	ed" to 5.22. Otherwise, <b>go t</b> a	o Residence 4.	
5.22a	<u>Interviewer</u> : Ask if answered, "Shar <u>If yes</u> , how many people are/were			
sidenc erview O Re	If yes, how many people are/were         # of people         # of people         # de people         # e 4         yer:         Select the most appropriate optice         gecord another residence (Go to 5.23)	e you sharing your living spa		<ul> <li>Refused</li> <li>Don't known</li> </ul>
sidenc erview O Re	If yes, how many people are/were         # of people         # of people         # d         e 4         yeer:         Select the most appropriate option	e you sharing your living span on below to continue. end of instrument) are/were staying at?	ce with?	O Don't kno
sidenc erview O Re O No	If yes, how many people are/were         # of people       #         # of people       #         # d       #         e 4       #         yer:       Select the most appropriate option         ecord another residence (Go to 5.23)       #         o other residences to record (Skip to         What's the name of the place you	e you sharing your living span on below to continue. end of instrument) are/were staying at?	ce with?	• Don't kno
sidenc erview O Re O No	If yes, how many people are/were         # of people       #         # of people       #         # d       #         e 4         yer:       Select the most appropriate option         ecord another residence (Go to 5.23)         p other residences to record (Skip to         What's the name of the place you         Interviewer: Record description accord	e you sharing your living span on below to continue. end of instrument) are/were staying at?	ce with?	O Don't kno
sidenc erview O Re O No	If yes, how many people are/were         # of people       #         # of people       #         # d       #         e 4         yer:       Select the most appropriate option         ecord another residence (Go to 5.23)         p other residences to record (Skip to         What's the name of the place you         Interviewer: Record description accord	e you sharing your living span on below to continue. end of instrument) are/were staying at? cording to what they tell you,	ce with? prompt if necessary to get as red on the calendar. If code "4	<ul> <li>Don't know</li> <li>specific as</li> <li>Refused</li> <li>Don't know</li> <li>" (i.e. Homeless</li> </ul>
sidenc erview O Re O No 5.23	If yes, how many people are/were         # of people       #         # of people       #         # and the people       #      <	e you sharing your living space on below to continue. end of instrument) are/were staying at? cording to what they tell you, bode based on what you enter e. Physical Distancing Hotel),	ce with? prompt if necessary to get as red on the calendar. If code "A go to 5.24b. Otherwise, skip	<ul> <li>Don't know</li> <li>specific as</li> <li>Refused</li> <li>Don't know</li> <li>(i.e. Homeless</li> <li>to 5.25.</li> </ul>
sidenc erview O Re O No 5.23	If yes, how many people are/were         # of people       #         # of people       #         # of people       #         # and the people       #	e you sharing your living space on below to continue. end of instrument) are/were staying at? cording to what they tell you, bode based on what you enter e. Physical Distancing Hotel),	ce with? prompt if necessary to get as red on the calendar. If code "A go to 5.24b. Otherwise, skip	<ul> <li>Don't know</li> <li>specific as</li> <li>Refused</li> <li>Don't know</li> <li>(i.e. Homeless</li> <li>to 5.25.</li> </ul>

5.24a	<u>Interviewer</u> : If residence type is code "A" in 5.24, enter the appropriate shelter code based recorded on the calendar then <b>skip to 5.26</b> . Otherwise, <b>go to 5.24b</b> if residence type is code for all other residence types.		
	If need more information say: Which shelter are/were you staying at (refer to coding list)?	?	
	If other (Please specify)	$\bigcirc$	Refused
	Shelter code	- 0	Don't know
5.24b	<u>Interviewer</u> : If residence type is code "B" in 5.24, enter the appropriate hotel code based or on the calendar then <b>skip to 5.26</b> . Otherwise, <b>go to 5.25</b> .	n what y	ou recorded
	If need more information say: Which physical distancing hotel are/were you staying at (re	efer to c	oding list) <b>?</b>
	If other (Please specify)	0	Refused
	Hotel code	- 0	Don't know
5.25	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.24, Otherwise, ask:	skip to £	5.26.
	What is/was the address of the residence?		
		- 0	Refused Don't know
			DOILTERIOW
5.25a	Do you know the <u>closest</u> major intersection?		
	Interviewer: If outside of Toronto, indicate the city.		
		0	Refused
		0	Don't know
5.25b	Do you know the neighbourhood where the site/building is located?		
		$\bigcirc$	Refused
		0	Don't know
5.26	Interviewer: Enter date based on what you entered on the calendar.		
	If need more information say: What was the <u>first night</u> you stayed here?		
	Start Date   D   D   -   M   M   M   -   Y   Y   Y   Y	0	Refused
		0	Don't know
5.27	<u>Interviewer</u> : If current residence select N/A and, <b>go to 5.28</b> . Enter date based on what you calendar.	entered	on the
	If need more information say: What was the last night you stayed here?		
	Stop Date D D - M M M - Y Y Y Y O N/	A (Curre	ent residence
		fused	
		n't knov	

If need more information say: Do/did you split your time between this residence and anoth         Yes       No (Skip to 5.29)         Interviewer: Record answer if answered, "Yes" to 5.28. Otherwise, skip to 5.29.	d <b>(Ski</b>	
O Don't k	-	
Interviewer: Record answer if answered, "Yes" to 5.28. Otherwise, skip to 5.29.		
How many times has the participant <u>moved into</u> Residence 4 over the measurement period? I the measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-		mber that
Comments:	0	Refused Don't knov
# of times # # #		
<u>Interviewer</u> : Record answer if answered, "Yes" to 5.28. Otherwise, <b>go to 5.29.</b>		
		er that the
Comments:	0	Refused Don't knov
e of nights # # #		DON L KNOV
Are/were you sharing a living space with anyone while staying here?		
		-
Interviewer: Ask if answered, "Shared" to 5.29. Otherwise, go to Residence 5.		
If yes, how many people are/were you sharing your living space with?		
# of people # # #	0	Refused Don't knov
5		
e <u>r</u> : Select the most appropriate option below to continue.		
cord another residence <b>(Go to 5.30)</b> other residences to record <b>(Skip to end of instrument)</b>		
What's the name of the place you are/were staying at?		
<u>Interviewer</u> : Record description according to what they tell you, prompt if necessary to get as possible.	spec	ific as
	0	Refused
	Comments:         # of times         # # #         Interviewer:         Record answer if answered, "Yes" to 5.28. Otherwise, go to 5.29.         How many nights has the participant lived at Residence 4 over the measurement period? Remmeasurement period is past 3 months (if baseline)/since the last interview date (if follow-up). Comments:         of nights       # # #         Are/were you sharing a living space with anyone while staying here?         O       Alone (Skip to Residence 5)         O       Shared         O       Don't know (Skip         Interviewer:       Ask if answered, "Shared" to 5.29. Otherwise, go to Residence 5.         If yes, how many people are/were you sharing your living space with?         # of people       # # #         5         r: Select the most appropriate option below to continue.         ord another residences to record (Skip to end of instrument)         What's the name of the place you are/were staying at?         Interviewer:       Record description according to what they tell you, prompt if necessary to get as	Laterviewer:       Record answer if answered, "Yes" to 5.28. Otherwise, go to 5.29.         How many nights has the participant lived at Residence 4 over the measurement period? Remember measurement period is past 3 months (if baseline)/since the last interview date (if follow-up). Comments:         of nights       # # #         Are/were you sharing a living space with anyone while staying here?         O       Alone (Skip to Residence 5)         O       Shared         Interviewer:       Ask if answered, "Shared" to 5.29. Otherwise, go to Residence 5.         If yes, how many people are/were you sharing your living space with?         # of people       # # #         5         g: Select the most appropriate option below to continue.         ord another residences to record (Skip to end of instrument)

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5.31	<u>Interviewer</u> : Enter residence type code based on what you entered on the calendar. If cod shelter), <b>go to 5.31a</b> . If code "B" (i.e. Physical Distancing Hotel), <b>go to 5.31b</b> . Otherwise, <b>s</b>	kip to 5.	JZ.			
	If need more information say: Where are/were you staying? What sort of residence is this (refer to codin list)?					
	If other (Please specify)	0	Refused			
	Type code	O	Don't kn			
5.31a	<u>Interviewer</u> : If residence type is code "A" in 5.31, enter the appropriate shelter code based recorded on the calendar then <b>skip to 5.33</b> . Otherwise, <b>go to 5.31b</b> if residence type is coupled of the residence types.		•			
	If need more information say: Which shelter are/were you staying at (refer to coding list	)?				
	If other (Please specify)	$\bigcirc$	Refused			
	Shelter code	O	Don't kr			
5.31b	<u>Interviewer</u> : If residence type is code "B" in 5.31, enter the appropriate hotel code based on the calendar then <b>skip to 5.33</b> . Otherwise, <b>go to 5.32</b> .	-				
	If need more information say: Which physical distancing hotel are/were you staying at (	-	_			
	If other (Please specify)	0	Refused			
		$\bigcirc$	Don't kr			
	Hotel code	O	Don't kr			
5.32	Hotel code	-	5.33.			
5.32	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31 Otherwise, ask:	-	<b>5.33</b> . Refused			
5.32	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31 Otherwise, ask:	-	<b>5.33</b> . Refused			
	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31 Otherwise, ask: What is/was the address of the residence?	-	<b>5.33</b> . Refused			
	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31 Otherwise, ask: What is/was the address of the residence? Do you know the <u>closest</u> major intersection?	-	<b>5.33</b> . Refused Don't kr			
	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31 Otherwise, ask: What is/was the address of the residence? Do you know the <u>closest</u> major intersection?	-	<b>5.33</b> . Refused Don't kr			
	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31. Otherwise, ask: What is/was the address of the residence? Do you know the <u>closest</u> major intersection? Interviewer: If outside of Toronto, indicate the city.	-	Don't kn 5.33. Refused Don't kn Refused Don't kn			
5.32a	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31. Otherwise, ask: What is/was the address of the residence? Do you know the <u>closest</u> major intersection? Interviewer: If outside of Toronto, indicate the city.	-	5.33. Refused Don't kr Refused Don't kr			
5.32a	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31.         Otherwise, ask:         What is/was the address of the residence?         Do you know the closest major intersection?         Interviewer: If outside of Toronto, indicate the city.         Do you know the neighbourhood where the site/building is located?	-	5.33. Refused Don't kn			
5.32a	Interviewer:       If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31, Otherwise, ask:         What is/was the address of the residence?         Do you know the closest major intersection?         Interviewer:       If outside of Toronto, indicate the city.         Do you know the neighbourhood where the site/building is located?	-	5.33. Refused Don't kn Refused Don't kn			
5.32a 5.32b	Interviewer:       If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31.         Otherwise, ask:         What is/was the address of the residence?         Do you know the closest major intersection?         Interviewer:       If outside of Toronto, indicate the city.         Do you know the neighbourhood where the site/building is located?	-	5.33. Refused Don't kr Refused Don't kr			
5.32a 5.32b	Interviewer:       If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31         Otherwise, ask:       What is/was the address of the residence?         Do you know the closest major intersection?       Interviewer:         Interviewer:       If outside of Toronto, indicate the city.         Do you know the neighbourhood where the site/building is located?         Interviewer:       Enter date based on what you entered on the calendar.	-	5.33. Refused Don't kn Refused Don't kn			

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	Interviewer: If current residence select N/A and, <b>go to 5.35</b> . Enter date based on what you entered on the calendar.				
	If need more information say: What was the last night you stayed here?				
	Stop Date D D - M M M - Y Y Y Y	<ul> <li>N/A (Current resident</li> <li>Refused</li> <li>Don't know</li> </ul>			
5.35	<u>Interviewer</u> : Does the participant use this place (Residence 5) as a "Split Res moving to and from this location are not considered true moves because the between <u>this place and 1 or more other locations</u> . Refer to QxQ.	2			
	If need more information say: Do/did you split your time between this resi	idence and another residence?			
	O Yes O No (Skip to 5.36)	<ul> <li>Refused (Skip to 5.36)</li> <li>Don't know (Skip to 5.3)</li> </ul>			
5.35a	Interviewer: Record answer if answered, "Yes" to 5.35. Otherwise, skip to 5.	.36.			
	How many times has the participant moved into moved into measurement period is past 3 months (if baseline)/since the last interview of Comments:         # of times       #				
5.35b	Interviewer: Record answer if answered, "Yes" to 5.35. Otherwise, <b>go to 5.3</b>				
	measurement period is <u>past 3 months</u> (if baseline)/since the last interview of				
	measurement period is past 3 months (if baseline)/since the last interview of Comments:         # of nights       #	date (if follow-up). O Refused			
5.36	Comments:	date (if follow-up). O Refused			
5.36	# of nights       #       #       #       Comments:         # of nights       #       #       #       #         Are/were you sharing a living space with anyone while staying here?       O       Alone (Skip to Residence 6)       O       Shared       O	date (if follow-up). Q Refused O Don't know Refused (Skip to Residence 6)			
5.36 5.36a	# of nights       #       #       #       Comments:         # of nights       #       #       #       #         Are/were you sharing a living space with anyone while staying here?       O       Alone (Skip to Residence 6)       O       Shared       O	date (if follow-up). Q Refused Don't know Refused (Skip to Residence 6) Don't know (Skip to Residence 6)			
	# of nights       #       #       #         Are/were you sharing a living space with anyone while staying here?         O       Alone (Skip to Residence 6)       O	date (if follow-up). Q Refused Don't know Refused (Skip to Residence 6) Don't know (Skip to Residence 6)			

5.37	What's the name of the place you are/were staying at?         Interviewer: Record description according to what they tell you, prompt if necessary to get as	spec	ific as
	possible.	0	Refuse Don't
5.38	<u>Interviewer</u> : Enter residence type code based on what you entered on the calendar. If code "A shelter), <b>go to 5.38a</b> . If code "B" (i.e. Physical Distancing Hotel), <b>go to 5.38b</b> . Otherwise, <b>skip t</b>	-	
	If need more information say: Where are/were you staying? What sort of residence is this (r list)?	efer	to codir
	If other (Please specify)	0	Refuse Don't
	Type code		Donit
5.38a	<u>Interviewer</u> : If residence type is code "A" in 5.38, enter the appropriate shelter code based on recorded on the calendar then <b>skip to 5.40</b> . Otherwise, <b>go to 5.38b</b> if residence type is code "E for all other residence types.		
	If need more information say: Which shelter are/were you staying at (refer to coding list)?		
	If other (Please specify)	0	Refuse Don't
	Shelter code		Donie
5.38b	<u>Interviewer</u> : If residence type is code "B" in 5.38, enter the appropriate hotel code based on w on the calendar then <b>skip to 5.40</b> . Otherwise, <b>go to 5.39</b> . If need more information say: Which physical distancing hotel are/were you staying at (refer	to c	oding li
	Hotel code	0	Refuse Don't
5.39	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.38, <b>skip</b> Otherwise, ask:	to .	5 <b>.</b> 40.
	What is/was the address of the residence?		D. (
		0	Refuse Don't
5.39a	Do you know the <u>closest</u> major intersection?		
	Interviewer: If outside of Toronto, indicate the city.		
		0	Refuse Don't
<u></u> γ/γενιδε	NT Study – Survey Instrument Version: January 14, 2022		

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	Do you know the neighbourhood where the site/building is located?		
		0	Refused Don't kn
5.40	Interviewer: Enter date based on what you entered on the calendar		
5.40	<u>Interviewer</u> : Enter date based on what you entered on the calendar.		
	If need more information say: What was the <u>first night</u> you stayed here?		
	Start Date D D - M M M - Y Y Y Y	0	Refused Don't kr
5.41	Interviewer: If current residence select N/A and, <b>go to 5.42</b> . Enter date based on what you en calendar.	ntered	l on the
	If need more information say: What was the last night you stayed here?		
	Stop Date   D   D   -   M   M   M   -   Y   Y   Y   Y   Y   O N/A	(Curr	ent reside
	O Refu	used	
	O Don	't kno	W
5.42	<u>Interviewer</u> : Does the participant use this place (Residence 6) as a "Split Residence"? Referse moving to and from this location are not considered true moves because the participant is sp between <u>this place and 1 or more other locations</u> . Refer to QxQ.		
	If need more information say: Do/did you split your time between this residence and another	ner re	sidence?
	O Yes O No (Skip to 5.43) O Refuse	ed <b>(Sk</b> i	ip to 5.43
	O Don't	know	(Skip to !
	How many times has the participant <u>moved into</u> Residence 6 over the measurement period? the measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow Comments:		mber tha Refused
	# of times # # #	$- \circ$	
			Don't kr
5.42b	Interviewer: Record answer if answered, "Yes" to 5.42. Otherwise, go to 5.43.		Don't kr
5.42b	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re		
5.42b	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up)	).	er that th
	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re	).	er that th Refused
	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up Comments:	).	er that th Refused
	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up Comments: # of nights # # #	).   0 Resic	eer that th Refused Don't kr
	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re         measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up, Comments:         # of nights       #         # O nights       #         # O Alone (Skip to Residence 7)       O Shared	).   0 Resic	eer that th Refused Don't kr
5.43	How many nights has the participant lived at Residence 6 over the measurement period? Re measurement period is past 3 months (if baseline)/since the last interview date (if follow-up Comments:         # of nights       # # # #         Are/were you sharing a living space with anyone while staying here?         • Alone (Skip to Residence 7)       • Shared         • Don't know (Skip	).   0 Resic	er that th Refused Don't kr lence 7) esidence
5.43	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re         measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up, Comments:         # of nights       #         # of nights       #         # at a stree were you sharing a living space with anyone while staying here?         • Alone (Skip to Residence 7)       • Shared         • Don't know (Skip to Residence 7)         • Interviewer: Ask if answered, "Shared" to 5.43. Otherwise, go to Residence 7.	).   0 Resic	Refused Don't kr <b>lence 7)</b>

What's the name of the place you are/were staying at?		
<u>Interviewer</u> : Record description according to what they tell you, prompt if necessary to get as possible.	s spec	ific as
	0	Refused Don't kno
	-	
	refer	to coding
If other (Please specify)	0	Refused
Type code	0	Don't kno
If other (Please specify)	0	Refused Don't kno
Shelter code		
<u>Interviewer</u> : If residence type is code "B" in 5.45, enter the appropriate hotel code based on v on the calendar then <b>skip to 5.47</b> . Otherwise, <b>go to 5.46</b> .	vhat y	ou recordo
If need more information say: Which physical distancing hotel are/were you staying at (refe	er to c	oding list)
If other (Please specify)	0	Refused Don't kno
Hotel code		
<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.45, <b>sk</b> Otherwise, ask:	ip to :	5.47.
What is/was the address of the residence?	_	
	$\cap$	Refused
	Interviewer:       Record description according to what they tell you, prompt if necessary to get as possible.         Interviewer:       Enter residence type code based on what you entered on the calendar. If code "A" shelter), go to 5.45a. If code "B" (i.e. Physical Distancing Hotel), go to 5.45b. Otherwise, skip         If need more information say:       Where are/were you staying? What sort of residence is this (list)?         If other (Please specify)       Type code         Interviewer:       If residence type is code "A" in 5.45, enter the appropriate shelter code based on recorded on the calendar then skip to 5.47. Otherwise, go to 5.45b if residence type is code "for all other residence types.         If need more information say:       Which shelter are/were you staying at (refer to coding list)?         If other (Please specify)       If other (Please specify)         Shelter code       If other (Please specify)         Hotel code       If other (Please specify) <td< td=""><td>Interviewer:       Record description according to what they tell you, prompt if necessary to get as spect possible.         Interviewer:       Enter residence type code based on what you entered on the calendar. If code "A" (i.e. shelter), go to 5.45a. If code "B" (i.e. Physical Distancing Hotel), go to 5.45b. Otherwise, skip to 5.45b.         If need more information say:       Where are/were you staying? What sort of residence is this (refer list)?         If other (Please specify)       0         Type code       0         Interviewer:       If residence type is code "A" in 5.45, enter the appropriate shelter code based on what recorded on the calendar then skip to 5.47. Otherwise, go to 5.45b if residence type is code "B" or, for all other residence types.         If need more information say:       Which shelter are/were you staying at (refer to coding list)?         If other (Please specify)       0         Shelter code       0         Interviewer:       If residence type is code "B" in 5.45, enter the appropriate hotel code based on what you on the calendar then skip to 5.47. Otherwise, go to 5.45b.         If need more information say:       Which shelter are/were you staying at (refer to coding list)?         If other (Please specify)       0         Shelter code       0         If need more information say:       Which physical distancing hotel are/were you staying at (refer to coding list)?         Interviewer:       If residence type is code "B" in 5.45, enter the appropriate hot</td></td<>	Interviewer:       Record description according to what they tell you, prompt if necessary to get as spect possible.         Interviewer:       Enter residence type code based on what you entered on the calendar. If code "A" (i.e. shelter), go to 5.45a. If code "B" (i.e. Physical Distancing Hotel), go to 5.45b. Otherwise, skip to 5.45b.         If need more information say:       Where are/were you staying? What sort of residence is this (refer list)?         If other (Please specify)       0         Type code       0         Interviewer:       If residence type is code "A" in 5.45, enter the appropriate shelter code based on what recorded on the calendar then skip to 5.47. Otherwise, go to 5.45b if residence type is code "B" or, for all other residence types.         If need more information say:       Which shelter are/were you staying at (refer to coding list)?         If other (Please specify)       0         Shelter code       0         Interviewer:       If residence type is code "B" in 5.45, enter the appropriate hotel code based on what you on the calendar then skip to 5.47. Otherwise, go to 5.45b.         If need more information say:       Which shelter are/were you staying at (refer to coding list)?         If other (Please specify)       0         Shelter code       0         If need more information say:       Which physical distancing hotel are/were you staying at (refer to coding list)?         Interviewer:       If residence type is code "B" in 5.45, enter the appropriate hot

5.46a	Do you know the <u>closest</u> major intersection? <u>Interviewer</u> : If outside of Toronto, indicate the city.	
	<u>interviewer</u> : If butside of Toronto, indicate the city.	• Refused
		<ul><li>Don't know</li></ul>
5.46b	Do you know the neighbourhood where the site/building is located?	
		<ul><li>O Refused</li><li>O Don't know</li></ul>
5.47	Interviewer: Enter date based on what you entered on the calendar.	
	If need more information say: What was the first night you stayed here?	
	Start Date D D - M M M - Y Y Y Y	<ul><li>O Refused</li><li>O Don't know</li></ul>
5.48	Interviewer: If current residence select N/A and, <b>go to 5.49</b> . Enter date based on what you en calendar.	ntered on the
	If need more information say: What was the last night you stayed here?	
	Stop Date D D - M M M Y Y Y Y O N/A	(Current residence
	O Refu O Don	used I't know
5.49		't know to stays where
5.49	Don <u>Interviewer</u> : Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is sp	't know to stays where plitting time
5.49	<ul> <li>Dom</li> <li><u>Interviewer</u>: Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is spletween this place and 1 or more other locations. Refer to QxQ.</li> <li>If need more information say: Do/did you split your time between this residence and anoth</li> <li>Yes</li> <li>No (Skip to 5.50)</li> </ul>	I't know to stays where plitting time her residence? ed (Skip to 5.50)
5.49 5.49a	<ul> <li>Dom</li> <li><u>Interviewer</u>: Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is spletween this place and 1 or more other locations. Refer to QxQ.</li> <li>If need more information say: Do/did you split your time between this residence and anoth</li> <li>Yes</li> <li>No (Skip to 5.50)</li> </ul>	't know to stays where plitting time her residence?
	<ul> <li>Dom</li> <li><u>Interviewer</u>: Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is spletween this place and 1 or more other locations. Refer to QxQ.</li> <li>If need more information say: Do/did you split your time between this residence and anoth</li> <li>Yes</li> <li>No (Skip to 5.50)</li> <li>Refuse</li> <li>Don't</li> </ul>	I't know to stays where plitting time her residence? ed (Skip to 5.50) know (Skip to 5.50) Remember that y-up).
	<ul> <li>Dom</li> <li><u>Interviewer</u>: Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is spletween this place and 1 or more other locations. Refer to QxQ.</li> <li>If need more information say: Do/did you split your time between this residence and anoth</li> <li>Yes</li> <li>No (Skip to 5.50)</li> <li>Refuse</li> <li>Don't</li> </ul> Interviewer: Record answer if answered, "Yes" to 5.49. Otherwise, skip to 5.50. How many times has the participant moved into Residence 7 over the measurement period? the measurement period is past 3 months (if baseline)/since the last interview date (if follows)	I't know to stays where plitting time her residence? ed (Skip to 5.50) know (Skip to 5.50) know (Skip to 5.50) Remember that y-up).
	<ul> <li>Dom</li> <li>Interviewer: Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is spletween this place and 1 or more other locations. Refer to QxQ.</li> <li>If need more information say: Do/did you split your time between this residence and anotal or Yes</li> <li>No (Skip to 5.50)</li> <li>Refuse Interviewer: Record answer if answered, "Yes" to 5.49. Otherwise, skip to 5.50.</li> <li>How many times has the participant moved into Residence 7 over the measurement period? the measurement period is past 3 months (if baseline)/since the last interview date (if follow Comments:</li> <li># of times # # #</li> </ul>	I't know to stays where plitting time her residence? ed (Skip to 5.50) know (Skip to 5.50) know (Skip to 5.50) Remember that y-up).
5.49a	<ul> <li>Dom</li> <li>Interviewer: Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is spletween this place and 1 or more other locations. Refer to QxQ.</li> <li>If need more information say: Do/did you split your time between this residence and anoth</li> <li>Yes</li> <li>No (Skip to 5.50)</li> <li>Refuse</li> <li>Don't</li> </ul> Interviewer: Record answer if answered, "Yes" to 5.49. Otherwise, skip to 5.50. How many times has the participant moved into Residence 7 over the measurement period? the measurement period is past 3 months (if baseline)/since the last interview date (if follow Comments: # of times # utility # utility	I't know to stays where plitting time her residence? ed (Skip to 5.50) know (Skip to 5.50) know (Skip to 5.50 PRemember that y-up). O Refused O Don't know

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Don't know (Skip to Residence 3:     If yes, how many people are/were you sharing your living space with?     # of people		• Alone (Skip to Residence 8) • Shared	<ul><li>Refused (Skip to Residence 8</li></ul>
If yes, how many people are/were you sharing your living space with?       Refus         # of people       Image: Select the most appropriate option below to continue.       Record another residence (60 to 5.51)         O Record another residence to record (5kip to end of instrument)       No other residences to record (5kip to end of instrument)         5.51       What's the name of the place you are/were staying at?       Interviewer: Record description according to what they tell you, prompt if necessary to get as specific as possible.         Interviewer:       Refus       Don't         5.52       Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" (i.e. Home shelter), go to 5.52a. If code "B" (i.e. Physical Distancing Hotel), go to 5.52b. Otherwise, skip to 5.53.         If need more information say: Where are/were you staying? What sort of residence is this (refer to codil list)?       Refus         Type code       Interviewer:       If residence type is code "A" in 5.52, enter the appropriate shelter code based on what you recorded on the calendar then skip to 5.54. Otherwise, go to 5.52b if residence type is code "B" or, go to for all other residence types.         If need more information say: Which shelter are/were you staying at (refer to coding list)?       If other (Please specify)       Refus         5.52b       Interviewer: if residence type is code "B" in 5.52, enter the appropriate hotel code based on what you recorded on the calendar then skip to 5.54. Otherwise, go to 5.53.       If need more information say: Which shelter are/were you staying at (re			Don't know (Skip to Residence of
# of people       #       #       #       Don't         esidence 8       Don't       Don't       Don't         O Record another residence (Go to 5.51)       No other residences to record (Skip to end of instrument)       Don't         5.51       What's the name of the place you are/were staying at?       Interviewer: Record description according to what they tell you, prompt if necessary to get as specific as possible.         0       Refus       Don't         5.52       Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" (i.e. Home shelter), go to 5.52a. If code "B" (i.e. Physical Distancing Hotel), go to 5.52b. Otherwise, skip to 5.53.         If need more information say: Where are/were you staying? What sort of residence is this (refer to codil list)?       Refus         Type code       Don't       Don't         5.52a       Interviewer: If residence type is code "A" in 5.52, enter the appropriate shelter code based on what you recorded on the calendar then skip to 5.54. Otherwise, go to 5.52b if residence type is code "B" or, go to for all other residence types.         If need more information say: Which shelter are/were you staying at (refer to coding list)?       Refus         If other (Please specify)       Pon't       Don't         5.52b       Interviewer: If residence type is code "B" in 5.52, enter the appropriate hotel code based on what you recorded on the calendar then skip to 5.54. Otherwise, go to 5.53.       If need more information say: W	5.50a	Interviewer: Ask if answered, "Shared" to 5.50. Otherwise, go to Resident	ce 8.
# of people       # of people       # of people       Don't         esidence 8         tterviewer: Select the most appropriate option below to continue.       Peccord another residence (Go to 5.51)       No other residences to record (Skip to end of instrument)         5.51       What's the name of the place you are/were staying at?       Interviewer: Record description according to what they tell you, prompt if necessary to get as specific as possible.		If yes, how many people are/were you sharing your living space with?	
terviewer:       Select the most appropriate option below to continue. <ul> <li>Record another residences to record (Skip to end of instrument)</li> </ul> 5.51        What's the name of the place you are/were staying at? <ul> <li>Interviewer: Record description according to what they tell you, prompt if necessary to get as specific as possible.             <ul> <li>Refus</li> <li>Don't</li> </ul>             5.52        Interviewer: Enter residence type code based on what you entered on the colendar. If code "A" (i.e. Home shelter), go to 5.52a. if code "B" (i.e. Physical Distancing Hotel), go to 5.52b. Otherwise, skip to 5.53.             f need more information say: Where are/were you staying? What sort of residence is this (refer to codin list)?             Type code               <ul> <li>Interviewer: if residence type is code "A" in 5.52, enter the appropriate shelter code based on what you recorded on the colendar then skip to 5.54. Otherwise, go to 5.52b if residence type is code "B" or, go to for all other residence types.             f need more information say: Which shelter are/were you staying at (refer to coding list)?             <ul> <li>Interviewer: if residence type is code "B" in 5.52, enter the appropriate shelter code based on what you recorded on the colendar then skip to 5.54. Otherwise, go to 5.52b if residence type is code "B" or, go to for all other residence types.</li></ul></li></ul></li></ul>		# of people # # #	
<ul> <li>Record another residences (Go to 5.51)</li> <li>No other residences to record (Skip to end of instrument)</li> <li>5.51 What's the name of the place you are/were staying at? Interviewer: Record description according to what they tell you, prompt if necessary to get as specific as possible.</li> <li>Refus</li> <li>Don't</li> <li>5.52 Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" (i.e. Home shelter), go to 5.52a. If code "B" (i.e. Physical Distancing Hotel), go to 5.52b. Otherwise, skip to 5.53.</li> <li>If need more information say: Where are/were you staying? What sort of residence is this (refer to codil list)?</li> <li>Type code</li> <li>Interviewer: if residence type is code "A" in 5.52, enter the appropriate shelter code based on what you recorded on the calendar then skip to 5.54. Otherwise, go to 5.52b if residence type is code "B" in 5.52, enter the appropriate hotel code based on what you record on the calendar then skip to 5.54. Otherwise, go to 5.53.</li> <li>Interviewer: if residence type is code "B" in 5.52, enter the appropriate hotel code based on what you record on the calendar then skip to 5.54. Otherwise, go to 5.53.</li> <li>Interviewer: if residence type is code "B" in 5.52, enter the appropriate hotel code based on what you record on the calendar then skip to 5.54. Otherwise, go to 5.53.</li> <li>Interviewer: if residence type is code "B" in 5.52, enter the appropriate hotel code based on what you record on the calendar then skip to 5.54. Otherwise, go to 5.53.</li> <li>If need more information say: Which physical distancing hotel are/were you staying at (refer to coding list)?</li> <li>If other (Please specify)</li> <li>Refus</li> <li>Don't</li> <li>Interviewer: if residence type is code "B" in 5.52, enter the appropriate hotel code based on what you record on the calendar then skip to 5.54. Otherwise, go to 5.53.</li> <li>If need more information say: Which physical distancing hotel are/were you staying at (refer to coding I to ther</li></ul>	sidenc	<u>e 8</u>	
O No other residences to record (Skip to end of instrument)         5.51       What's the name of the place you are/were staying at?         Interviewer: Record description according to what they tell you, prompt if necessary to get as specific as possible.			
Interviewer: Record description according to what they tell you, prompt if necessary to get as specific as possible. <ul> <li>Possible.</li> <li>Don't</li> </ul> 5.52       Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" (i.e. Home shelter), go to 5.52a. If code "B" (i.e. Physical Distancing Hotel), go to 5.52b. Otherwise, skip to 5.53.         If need more information say: Where are/were you staying? What sort of residence is this (refer to codilist)?         If other (Please specify)			
possible.	5.51	What's the name of the place you are/were staying at?	
5.52 Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" (i.e. Home shelter), go to 5.52a. If code "B" (i.e. Physical Distancing Hotel), go to 5.52b. Otherwise, skip to 5.53.   If need more information say: Where are/were you staying? What sort of residence is this (refer to codi list)?   Type code   5.52a   Interviewer: If residence type is code "A" in 5.52, enter the appropriate shelter code based on what you recorded on the calendar then skip to 5.54. Otherwise, go to 5.52b if residence type is code "B" or, go to for all other residence types.   If need more information say: Which shelter are/were you staying at (refer to coding list)?   If ended more information say: Which shelter are/were you staying at (refer to coding list)?   If other (Please specify)   Shelter code   If need more information say: Which shelter are/were you staying at (refer to coding list)?   If other (Please specify)   Shelter code   If need more information say: Which shelter are/were you staying at (refer to coding list)?   If other (Please specify)   Shelter code   If need more information say: Which physical distancing hotel are/were you staying at (refer to coding list)?   If other (Please specify)   Shelter code   If need more information say: Which physical distancing hotel are/were you staying at (refer to coding list)   If need more information say: Which physical distancing hotel are/were you stay			f necessary to get as specific as
5.52 Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" (i.e. Home shelter), go to 5.52a. If code "B" (i.e. Physical Distancing Hotel), go to 5.52b. Otherwise, skip to 5.53. If need more information say: Where are/were you staying? What sort of residence is this (refer to codin list)? If other (Please specify) 7ype code 6.52a Interviewer: If residence type is code "A" in 5.52, enter the appropriate shelter code based on what you recorded on the calendar then skip to 5.54. Otherwise, go to 5.52b if residence type is code "B" or, go to for all other residence types. If need more information say: Which shelter are/were you staying at (refer to coding list)? If other (Please specify) 8.64. 8.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7.<			
shelter), go to 5.52a. If code "B" (i.e. Physical Distancing Hotel), go to 5.52b. Otherwise, skip to 5.53.         If need more information say: Where are/were you staying? What sort of residence is this (refer to codilist)?         If other (Please specify)			
shelter), go to 5.52a. If code "B" (i.e. Physical Distancing Hotel), go to 5.52b. Otherwise, skip to 5.53.         If need more information say: Where are/were you staying? What sort of residence is this (refer to codilist)?         If other (Please specify)			
Type code		list)?	of residence is this (refer to codin
recorded on the calendar then skip to 5.54. Otherwise, go to 5.52b if residence type is code "B" or, go to for all other residence types.         If need more information say: Which shelter are/were you staying at (refer to coding list)?         If other (Please specify)       Refuse         Shelter code       Don't         5.52b       Interviewer: If residence type is code "B" in 5.52, enter the appropriate hotel code based on what you record on the calendar then skip to 5.54. Otherwise, go to 5.53.         If need more information say: Which physical distancing hotel are/were you staying at (refer to coding list)         If other (Please specify)       Refuse         Interviewer:       If residence type is code "B" in 5.52, enter the appropriate hotel code based on what you record on the calendar then skip to 5.54. Otherwise, go to 5.53.         If need more information say:       Which physical distancing hotel are/were you staying at (refer to coding lifet to coding lifet to the related to the relat		Type code	O Don't
Shelter code If other (Please specify)     Shelter code     Interviewer:   If residence type is code "B" in 5.52, enter the appropriate hotel code based on what you rectors on the calendar then skip to 5.54. Otherwise, go to 5.53.   If need more information say:   Which physical distancing hotel are/were you staying at (refer to coding I)   If other (Please specify)   If other (Please specify)   If other (Please specify)   On 't end to be added and the state of the s	5.52a	recorded on the calendar then skip to 5.54. Otherwise, go to 5.52b if resid	
Shelter code       O Don't         5.52b       Interviewer: If residence type is code "B" in 5.52, enter the appropriate hotel code based on what you rection the calendar then skip to 5.54. Otherwise, go to 5.53.         If need more information say: Which physical distancing hotel are/were you staying at (refer to coding I lif other (Please specify)         Hotel code		If need more information say: Which shelter are/were you staying at (re	fer to coding list)?
Shelter code			
on the calendar then skip to 5.54. Otherwise, go to 5.53.         If need more information say: Which physical distancing hotel are/were you staying at (refer to coding I         If other (Please specify)		Chalter and a	
Hotel code			
Hotel code	5.52b		otel code based on what you reco
Hotel code	5.52b	on the calendar then <b>skip to 5.54</b> . Otherwise, <b>go to 5.53</b> .	
	5.52b	on the calendar then <b>skip to 5.54</b> . Otherwise, <b>go to 5.53</b> . If need more information say: Which physical distancing hotel are/were If other (Please specify)	you staying at (refer to coding la Q Refuse
	5.52b	on the calendar then <b>skip to 5.54</b> . Otherwise, <b>go to 5.53</b> . If need more information say: Which physical distancing hotel are/were If other (Please specify)	you staying at (refer to coding la O Refuse O Don't
OVENANT Study – Survey Instrument Version: January 14, 2022	5.52b	on the calendar then <b>skip to 5.54</b> . Otherwise, <b>go to 5.53</b> . If need more information say: Which physical distancing hotel are/were If other (Please specify)	you staying at (refer to coding la O Refuse O Don't

	What is/was the address of the residence?		
		0	Refused
		0	Don't kno
5.53a	Do you know the <u>closest</u> major intersection?		
	Interviewer: If outside of Toronto, indicate the city.		
		0	Refused
		0	Don't kno
5.53b	Do you know the neighbourhood where the site/building is located?		
		0	Refused
		0	Don't kno
5.54	Interviewer: Enter date based on what you entered on the calendar.		
5.54	If need more information say: What was the <u>first night</u> you stayed here?		
	Start Date   D   D   -   M   M   M   Y   Y   Y   Y	$\bigcirc$	Refused
		0	Don't kno
	Stop Date       D       -       M       M       -       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y	sed	ent resider w
5.56	<u>Interviewer</u> : Does the participant use this place (Residence 8) as a "Split Residence"? Refers t moving to and from this location are not considered true moves because the participant is sp between <u>this place and 1 or more other locations</u> . Refer to QxQ.		
	If need more information say: Do/did you split your time between this residence and anoth	er re	sidence?
	O Yes         O No (Skip to 5.57)         O Refuse           O Don't k         O Don't k	-	• •
5.56a	Interviewer: Record answer if answered, "Yes" to 5.56. Otherwise, skip to 5.57.		
	How many times has the participant <u>moved into</u> Residence 8 over the measurement period? the measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow Comments:		Refused
	# of times # # #	- 0	Don't kno

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5.56b	<u>Interviewer</u> : Record answer if answered, "Yes" to 5.56. Otherwise, <b>go to 5.57.</b> How many nights has the participant <u>lived at</u> Residence 8 over the measurement period? Remember that the							
	measurement period is <u>past 3 months</u> (if baseline)/since the last							
	Comments:	O Refused						
	# of nights # # #	O Don't kno						
5.57	Are/were you sharing a living space with anyone while staying	here?						
	O Alone (Skip to Residence 9) O Shared	• Refused (Skip to Residence 9)						
		O Don't know (Skip to Residence S						
5.57a	Interviewer: Ask if answered, "Shared" to 5.57. Otherwise, <b>go to</b>	Residence 9.						
	If yes, how many people are/were you sharing your living space	with?						
	<u>In yes</u> , now many people are, were you sharing your ining space	O Refused						
	# of people # # #	O Don't kno						
esidenc	e 9							
	ver: Select the most appropriate option below to continue.							
	ecord another residence (Go to 5.58)							
	o other residences to record (Skip to end of instrument)							
5.58	What's the name of the place you are/were staying at?							
	Interviewer: Record description according to what they tell you, p	prompt if necessary to get as specific as						
	possible.	······································						
		• Refused						
		O Don't kno						
5.59	Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" (i.e. Homeless							
	shelter), <b>go to 5.59a</b> . If code "B" (i.e. Physical Distancing Hotel), <b>g</b>	go to 5.59b. Otherwise, skip to 5.60.						
	If need more information say: Where are/were you staying? Wh	at cort of residence is this (refer to coding						
	list)?	at sort of residence is this (rejer to county						
	If other (Please specify)	O Refused						
	Type code							
5.59a	Interviewer: If residence type is code "A" in 5.59, enter the approp	priate shelter code based on what you						
J.J9a	recorded on the calendar then <b>skip to 5.61</b> . Otherwise, <b>go to 5.59</b>							
	for all other residence types.							
	If need more information say: Which shelter are/were you stayin	ng at (refer to coding list)?						
	If other (Please specify)							
		<ul> <li>Refused</li> <li>Don't kno</li> </ul>						
	Shelter code							
OVENA	NT Study – Survey Instrument Version: January 14,	, 2022						
	For peer review only - http://bmjopen.bmj.com/site/a	bout/quidelines.xhtml						

5.59b	<u>Interviewer</u> : If residence type is code "B" in 5.59, enter the appropriate hotel code based on what you recorded on the calendar then <b>skip to 5.61</b> . Otherwise, <b>go to 5.60</b> .								
	If need more information say: Which physical distancing hotel are/were you staying at (r	efer to c	coding list)						
	If other (Please specify)		Refused						
		-	Don't kn						
	Hotel code	_							
5.60	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.59, Otherwise, ask:	skip to :	5.61.						
	What is/was the address of the residence?								
		_ O	Refused						
			Don't kn						
F (0)									
5.60a	Do you know the <u>closest</u> major intersection?								
	Interviewer: If outside of Toronto, indicate the city.								
		_ O	Refused						
			Don't kn						
5 601									
5.60b	Do you know the neighbourhood where the site/building is located?	_							
		- 0	Refused Don't kn						
			DOILTERIN						
5.61	Interviewer: Enter date based on what you entered on the calendar.								
	If need more information say: What was the first night you stayed here?								
	Start Date   D   D   -   M   M   M   -   Y   Y   Y   Y	0	Refused						
	<u> </u>	0	Don't kn						
5.62	Interviewer: If current residence select N/A and, <b>go to 5.63</b> . Enter date based on what you calendar.	entered	l on the						
	If need more information say: What was the last night you stayed here?								
	Stop Date   D   D   -   M   M   M   -   Y   Y   Y   Y   Y   Y   O N	'A (Curr	ent residei						
		efused							
	O Do	on't kno	W						
5.63	<u>Interviewer</u> : Does the participant use this place (Residence 9) as a "Split Residence"? Refer moving to and from this location are not considered true moves because the participant is between <u>this place and 1 or more other locations</u> . Refer to QxQ.								
	If need more information say: Do/did you split your time between this residence and and	other re	sidence?						
	O Yes O No (Skip to 5.64) O Refu	sed (SKI	ip to 5.64)						

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	How many times has the partic the measurement period is <u>past</u>	<u>t 3 months</u> (if baseline)/since t Comments:	he last interview date (if foll	
	# of times # # #			—— O Don't kno
5.63b	Interviewer: Record answer if a	nswered, "Yes" to 5.63. Other	wise, <b>go to 5.64.</b>	
	How many nights has the partic measurement period is <u>past 3 n</u>		-	
		Comments:		O Refused
	# of nights # # #			—— 🔾 Don't kno
5.64	Are/were you sharing a living s	space with anyone while stay	ing here?	
	O Alone (Skip to Residence 1	0) O Shared	O Refused (Skip	to Residence 10)
		6	🔾 Don't know (S	Skip to Residence
5.64a	Interviewer: Ask if answered, "S	Shared" to 5.64. Otherwise, <b>gc</b>	to Residence 10.	
	If yes, how many people are/w	vere you sharing your living s	pace with?	
		rere you sharing your inting s		O Refused
	# of people # # # # <u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence <b>(Go to 5.</b>			<ul> <li>Don't know</li> </ul>
terview O Re	<u>e 10</u> <u>ver</u> : Select the most appropriate of	.65)		
terview O Re	<u>e 10</u> <u>ver</u> : Select the most appropriate of the contract of t	.65) o to end of instrument)	2	
t <u>erview</u> O Re O No	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence <b>(Go to 5</b> . o other residences to record <b>(Skip</b> <b>What's the name of the place</b> <u>Interviewer</u> : Record description	.65) o to end of instrument) you are/were staying at?	ou, prompt if necessary to ge	O Don't kno
t <u>erview</u> O Re O No	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence <b>(Go to 5.</b> o other residences to record <b>(Skip</b> <b>What's the name of the place</b>	.65) o to end of instrument) you are/were staying at?	ou, prompt if necessary to ge	• Don't know
t <u>erview</u> O Re O No	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence <b>(Go to 5</b> . o other residences to record <b>(Skip</b> <b>What's the name of the place</b> y <u>Interviewer</u> : Record description possible.	.65) o to end of instrument) you are/were staying at? according to what they tell yo	2/	<ul> <li>Don't know</li> <li>t as specific as</li> <li>Refused</li> </ul>
t <u>erview</u> O Re O No	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence <b>(Go to 5</b> . o other residences to record <b>(Skip</b> <b>What's the name of the place</b> y <u>Interviewer</u> : Record description possible.	.65) o to end of instrument) you are/were staying at? according to what they tell yo	2/	• Don't know
t <u>erview</u> O Re O No	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence <b>(Go to 5</b> . o other residences to record <b>(Skip</b> <b>What's the name of the place</b> y <u>Interviewer</u> : Record description possible.	65) o to end of instrument) you are/were staying at? according to what they tell yo be code based on what you en	tered on the calendar. If code	<ul> <li>Don't known</li> <li>Don't known</li> <li>t as specific as</li> <li>Refused</li> <li>Don't known</li> <li>e "A" (i.e. Homeles.</li> </ul>
<ul> <li>C) Re</li> <li>C) No</li> <li>5.65</li> </ul>	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence <b>(Go to 5.</b> o other residences to record <b>(Skip</b> <b>What's the name of the place</b> y <u>Interviewer</u> : Record description possible. <u>Interviewer</u> : Enter residence typ shelter), <b>go to 5.66a</b> . If code "B If need more information say: <b>V</b>	.65) o to end of instrument) you are/were staying at? according to what they tell yo according to what you en ce code based on what you en " (i.e. Physical Distancing Hote	tered on the calendar. If code el), <b>go to 5.66b</b> . Otherwise, <b>s</b>	Don't know     Don't know     The set of the set o
• Re • Re • No 5.65	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence <b>(Go to 5.</b> o other residences to record <b>(Skip</b> <b>What's the name of the place</b> of <u>Interviewer</u> : Record description possible. <u>Interviewer</u> : Enter residence type shelter), <b>go to 5.66a</b> . If code "B If need more information say: <b>V</b> list) <b>?</b>	.65) o to end of instrument) you are/were staying at? according to what they tell yo according to what you en ce code based on what you en " (i.e. Physical Distancing Hote	tered on the calendar. If code el), <b>go to 5.66b</b> . Otherwise, <b>s</b>	Don't know     Don't know     The set of the set o

5.66a	<u>Interviewer</u> : If residence type is code "A" in 5.66, enter the appropriate shelter code based on what you recorded on the calendar then <b>skip to 5.68</b> . Otherwise, <b>go to 5.66b</b> if residence type is code "B" or, <b>go to 5.67</b> for all other residence types.								
	If need more information say: Which shelter are/were you staying at (refer to coding list)?								
	If other (Please specify)	0	Refused						
	Shelter code	0	Don't know						
5.66b	<u>Interviewer</u> : If residence type is code "B" in 5.66, enter the appropriate hotel code based on v on the calendar then <b>skip to 5.68</b> . Otherwise, <b>go to 5.67</b> .	vhat y	ou recorded						
	If need more information say: Which physical distancing hotel are/were you staying at (refe	er to c	oding list)?						
	If other (Please specify)	0	Refused						
	Hotel code	0	Don't know						
5.67	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.66, <b>sk</b> Otherwise, ask: What is/was the address of the residence?	ip to !	5.68.						
		0	Refused						
		0	Don't know						
	Do you know the <u>closest</u> major intersection? <u>Interviewer</u> : If outside of Toronto, indicate the city.	0	Refused Don't know						
5.67b	Do you know the neighbourhood where the site/building is located?								
		0	Refused Don't know						
5.68	Interviewer: Enter date based on what you entered on the calendar.								
	If need more information say: What was the first night you stayed here?								
	Start Date D D - M M M - Y Y Y Y	0 0	Refused Don't know						
5.69	<u>Interviewer</u> : If current residence select N/A and, <b>go to 5.70</b> . Enter date based on what you en calendar. If need more information say: <b>What was the <u>last night</u> you stayed here?</b>	tered	on the						
	ij need more mjormation say. What was the <u>last might</u> you stayed here.		ent residence						
	Stop Date D D - M M M - Y Y Y Y O N/A								

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5.70	<u>Interviewer</u> : Does the participant use th moving to and from this location are no	ot considered true move	es because the participant is s	•
	between <u>this place and 1 or more other</u>	-		
	If need more information say: <b>Do/did y</b>	ou split your time betw	ween this residence and ano	ther residence?
	O Yes O No (Skip to 5.71)			sed <b>(Skip to 5.71)</b> t know <b>(Skip to 5.7</b>
5.70a	Interviewer: Record answer if answered	l, "Yes" to 5.70. Otherw	vise, <b>skip to 5.71.</b>	
	How many times has the participant <u>ma</u> the measurement period is <u>past 3 mont</u>			
		Comments:		O Refused
	# of times # # #			— O Don't knov —
5.70b	Interviewer: Record answer if answered	l, "Yes" to 5.70. Otherw	vise, <b>go to 5.71.</b>	
	How many nights has the participant <u>liv</u> measurement period is <u>past 3 months</u> (i		-	
		Comments:		• Refused
	# of nights # # #			— O Don't know —
5.71	Are/were you sharing a living space wi	ith anyone while stayiı	ng here?	
	• Alone (Skip to end of instrument)	O Shared	<ul> <li>Refused (Skip to er</li> <li>Don't know (Skip to</li> </ul>	-
5.71a	Interviewer: Ask if answered, "Shared"	to 5.71. Otherwise, <b>go</b>	to end of instrument.	
	If yes, how many people are/were you	ı sharing your living sp	ace with?	
	# of people # # #			<ul><li>Refused</li><li>Don't know</li></ul>
			0	
hank yo	u for answering all of our questions. We	e will now collect the <b>k</b>	blood and saliva samples.	
	END	OF SURVEY INSTRUM	ENT	
OVENA	NT Study – Survey Instrument	Version: January		4
	For peer review only - http	o://bmjopen.bmj.com/sit	e/about/guidelines.xhtml	

# Supplement 4: Adjudication of serological and self-report data into past infection and vaccinatio status

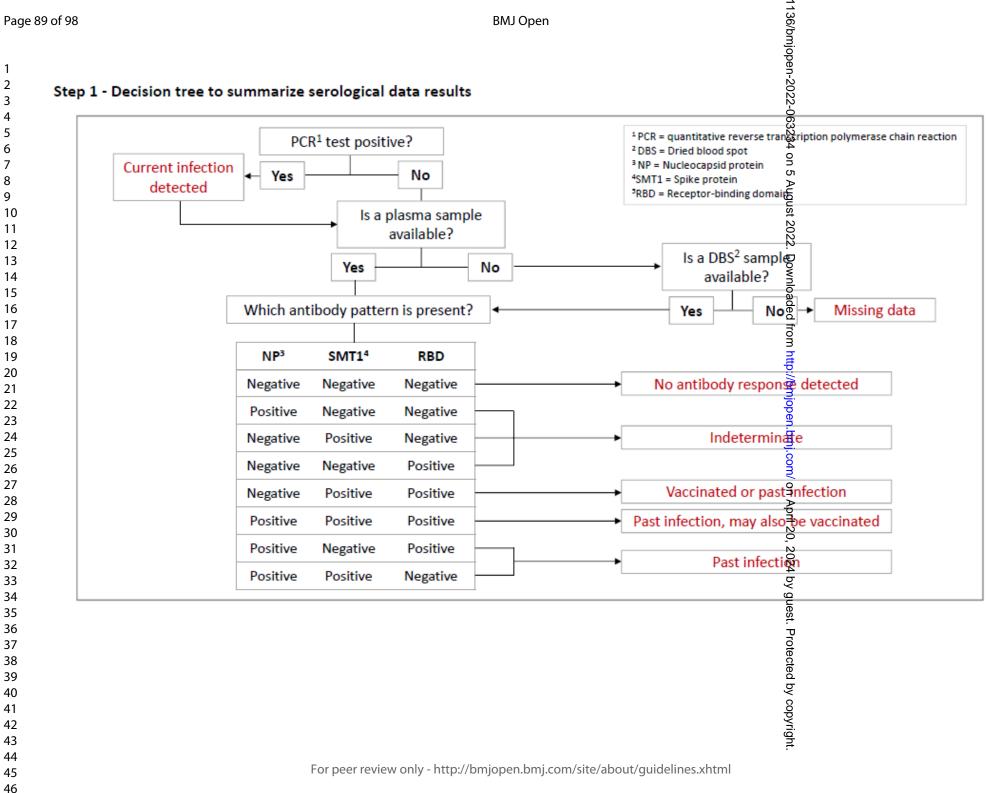
 Our serologic assays detect total IgG antibodies against three SARS-CoV-2 antigens: Nucleocapsid (NP), Spike protein (SMT1) and Receptor-binding domain (RBD). Antibodies against NP indicate past infection, whereas antibodies against SMT1 and RBD indicate immunization and/or past infection.

For each sample, raw values of IgG antibody levels were normalized to a reference point on a standard curve run on the same assay plate. The thresholds for positivity were set at 3 standard deviations below the mean of a log distribution of negative control samples. Sensitivity and secificity at these thresholds were determined by applying a confusion matrix to a set of 560 negative control samples (obtained prior to the advent of COVID-10) and 392 positive controls samples obtained from PCR-confirmed cases at least 2 weeks after symptom onset. Sensitivity and specificity were 0.99 and 0.97 for antibodies against SMT1; and 1.0 and 0.89 for antibodies against RBD.

Because our samples are collected during a period when both infections and vaccinations occur, we followed the decision treg in Step 1 to summarize serological results, and the decision matrix in Step 2 to combine serologic results and self-report data to assign infection status and vaccidation status for each participant.

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1136/bmjope



# BMJ Open Step 2 – Decision matrix to combine serological results and self-report data to assign past infection and vaccination status

(See Step 1)	history ¹	History ²	Final infection statug	Final vaccination statu
No antibody response	No positive test ³	Zero doses	No past infection S	No past vaccination
No antibody response	No positive test	1+ doses	No past infection $\sum_{P}^{66}$	Past vaccination
No antibody response	Positive test	Zero doses	Past infection	No past vaccination
No antibody response	Positive test	1+ doses	Past infection	Past vaccination
Indeterminate	No positive test	Zero doses	No past infection $\stackrel{\circ}{N}$	No past vaccination
Indeterminate	No positive test	1+ doses	No past infection 👳	Past vaccination
Indeterminate	Positive test	Zero doses	Past infection	No past vaccination
Indeterminate	Positive test	1+ doses	Past infection	Past vaccination
Vaccinated or past infection	No positive test	Zero doses	Past infection 🙀	No past vaccination
Vaccinated or past infection	No positive test	1+ doses	No past infection 🗟	Past vaccination
Vaccinated or past infection	Positive test	Zero doses	Past infection $\exists$	No past vaccination
Vaccinated or past infection	Positive test	1+ doses	Past infection 🚦	Past vaccination
Past infection, may also be vaccinated	No positive test	Zero doses	Past infection	No past vaccination
Past infection, may also be vaccinated	No positive test	1+ doses	Past infection	Past vaccination
Past infection, may also be vaccinated	Positive test	Zero doses	Past infection 🖇	No past vaccination
Past infection, may also be vaccinated	Positive test	1+ doses	Past infection	Past vaccination
Past infection	No positive test	Zero doses	Past infection	No past vaccination
Past infection	No positive test	1+ doses	Past infection	Past vaccination
Past infection	Positive test	Zero doses	Past infection	No past vaccination
Past infection	Positive test	1+ doses	Past infection Past	Past vaccination
Missing data All records linked at ICES will be cross-refer All records linked at ICES will be cross-refer 'No positive test' includes those who: were	renced against vaccination events	recorded in the COVAXON databa	Missing 20, 2024 by guest. Protected by constructed by constructed by constructed by construct the set.	Missing ults; or were tested but did no

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SPIRIT 2013 Checklist: Recommended items to address in a clinical trial protocol and related documents*

Section/item	Item No	Description	Location in protoco
Administrative info	rmation		
Title	1	Descriptive title identifying the study design, population, interventions, and, if applicable, trial acronym	Title page
Trial registration	2a	Trial identifier and registry name. If not yet registered, name of intended registry	N/A
	2b	All items from the World Health Organization Trial Registration Data Set	N/A
Protocol version	3	Date and version identifier	Title page
Funding	4	Sources and types of financial, material, and other support	Title page; Funding statement
Roles and responsibilities	5a	Names, affiliations, and roles of protocol contributors	Title page
	5b	Name and contact information for the trial sponsor	Title page
	5c	Role of study sponsor and funders, if any, in study design; collection, management, analysis, and interpretation of data; writing of the report; and the decision to submit the report for publication, including whether they will have ultimate authority over any of these activities	Title page

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		5d	Composition, roles, and responsibilities of the coordinating centre, steering committee, endpoint adjudication committee, data management team, and other individuals or groups overseeing the trial, if applicable (see Item 21a for data monitoring committee)	N/A
16	Introduction			
17 18 19 20 21 22 23 24 25 26	Background and rationale	6a	Description of research question and justification for undertaking the trial, including summary of relevant studies (published and unpublished) examining benefits and harms for each intervention	Abstract (Introduction); Background and rationale
27 28 29		6b	Explanation for choice of comparators	N/A
30 31 32 33 34	Objectives	7	Specific objectives or hypotheses	Abstract (Introduction); Background and rationale
35 36 37 38 39 40 41 42 43 44	Trial design	8	Description of trial design including type of trial (eg, parallel group, crossover, factorial, single group), allocation ratio, and framework (eg, superiority, equivalence, noninferiority, exploratory)	N/A
45 46	Methods: Participants	, interventio	ns, and outcomes	
46 47 48 49 50 51 52 53 54 55 56 57 58 59	Study setting	9	Description of study settings (eg, community clinic, academic hospital) and list of countries where data will be collected. Reference to where list of study sites can be obtained	Methods and analysis: Study design and setting

1 2 3 4 5 6 7 8 9 10	Eligibility criteria	10	Inclusion and exclusion criteria for participants. If applicable, eligibility criteria for study centres and individuals who will perform the interventions (eg, surgeons, psychotherapists)	Methods and analysis: Inclusion criteria, Exclusion criteria
11 12 13 14 15 16	Interventions	11a	Interventions for each group with sufficient detail to allow replication, including how and when they will be administered	Methods and analysis: Data collection
17 18 19 20 21 22 23 24 25		11b	Criteria for discontinuing or modifying allocated interventions for a given trial participant (eg, drug dose change in response to harms, participant request, or improving/worsening disease)	Methods and analysis: Recruitment and consent
26 27 28 29 30 31 32 33		11c	Strategies to improve adherence to intervention protocols, and any procedures for monitoring adherence (eg, drug tablet return, laboratory tests)	Methods and analysis: Promotion of continued participation
34 35 36 37 38 39		11d	Relevant concomitant care and interventions that are permitted or prohibited during the trial	N/A
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60	Outcomes	12	Primary, secondary, and other outcomes, including the specific measurement variable (eg, systolic blood pressure), analysis metric (eg, change from baseline, final value, time to event), method of aggregation (eg, median, proportion), and time point for each outcome. Explanation of the clinical relevance of chosen efficacy and harm outcomes is strongly recommended	analysis: Data

1 2 3 4 5 6 7 8 9 10	Participant timeline	13	Time schedule of enrolment, interventions (including any run-ins and washouts), assessments, and visits for participants. A schematic diagram is highly recommended (see Figure)	Methods and analysis: Data collection; Table 1
11 12 13 14 15 16 17 18 19	Sample size	14	Estimated number of participants needed to achieve study objectives and how it was determined, including clinical and statistical assumptions supporting any sample size calculations	Methods and analysis: Sample size
20 21 22 23 24 25	Recruitment	15	Strategies for achieving adequate participant enrolment to reach target sample size	Methods and analysis: Sample size
26 27	Methods: Assignment o	f interventi	ons (for controlled trials)	
28 29	Allocation:			
30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46	Sequence generation	16a	Method of generating the allocation sequence (eg, computer-generated random numbers), and list of any factors for stratification. To reduce predictability of a random sequence, details of any planned restriction (eg, blocking) should be provided in a separate document that is unavailable to those who enrol participants or assign interventions	N/A
47 48 49 50 51 52 53 54 55 56 57 58 59 60	Allocation concealment mechanism	16b	Mechanism of implementing the allocation sequence (eg, central telephone; sequentially numbered, opaque, sealed envelopes), describing any steps to conceal the sequence until interventions are assigned	N/A

1	Implementation	160	Who will concrete the	NI/A
2 3 4 5 6 7	Implementation	16c	Who will generate the allocation sequence, who will enrol participants, and who will assign participants to interventions	N/A
8 9 10 11 12 13 14	Blinding (masking)	17a	Who will be blinded after assignment to interventions (eg, trial participants, care providers, outcome assessors, data analysts), and how	N/A
15 16 17 18 19 20 21 22 23		17b	If blinded, circumstances under which unblinding is permissible, and procedure for revealing a participant's allocated intervention during the trial	N/A
24	Methods: Data collectio	n, manager	ment, and analysis	
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	Data collection methods	18a	Plans for assessment and collection of outcome, baseline, and other trial data, including any related processes to promote data quality (eg, duplicate measurements, training of assessors) and a description of study instruments (eg, questionnaires, laboratory tests) along with their reliability and validity, if known. Reference to where data collection forms can be found, if not in the protocol	Methods and analysis: Data collection, Processing Supplementary materials
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60		18b	Plans to promote participant retention and complete follow- up, including list of any outcome data to be collected for participants who discontinue or deviate from intervention protocols	Methods and analysis: Promotion of continued participation

1 2 3 4 5 6 7 8 9 10 11 12 13	Data management	19	Plans for data entry, coding, security, and storage, including any related processes to promote data quality (eg, double data entry; range checks for data values). Reference to where details of data management procedures can be found, if not in the protocol	Methods and analysis: Processing Ethics and regulatory aspects: Data protection and retention
14 15 16 17 18 19 20 21 22 23	Statistical methods	20a	Statistical methods for analysing primary and secondary outcomes. Reference to where other details of the statistical analysis plan can be found, if not in the protocol	Methods and analysis: Statistical analyses
24 25 26 27 28		20b	Methods for any additional analyses (eg, subgroup and adjusted analyses)	Methods and analysis: Statistical analyses
29 30 31 32 33 34 35 36 37		20c	Definition of analysis population relating to protocol non-adherence (eg, as randomised analysis), and any statistical methods to handle missing data (eg, multiple imputation)	Methods and analysis: Statistical analyses
38 39	Methods: Monitoring			
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60	Data monitoring	21a	Composition of data monitoring committee (DMC); summary of its role and reporting structure; statement of whether it is independent from the sponsor and competing interests; and reference to where further details about its charter can be found, if not in the protocol. Alternatively, an explanation of why a DMC is not needed	N/A

1 2 3 4 5 6 7 8 9		21b	Description of any interim analyses and stopping guidelines, including who will have access to these interim results and make the final decision to terminate the trial	N/A
10 11 12 13 14 15 16 17 18	Harms	22	Plans for collecting, assessing, reporting, and managing solicited and spontaneously reported adverse events and other unintended effects of trial interventions or trial conduct	N/A
19 20 21 22 23 24 25 26	Auditing	23	Frequency and procedures for auditing trial conduct, if any, and whether the process will be independent from investigators and the sponsor	N/A
26 27	Ethics and dissemination	on		
28 29 30 31 32 33	Research ethics approval	24	Plans for seeking research ethics committee/institutional review board (REC/IRB) approval	Ethics and regulatory aspects: ethics approval
34 35 36 37 38 39 40 41 42 43 44	Protocol amendments	25	Plans for communicating important protocol modifications (eg, changes to eligibility criteria, outcomes, analyses) to relevant parties (eg, investigators, REC/IRBs, trial participants, trial registries, journals, regulators)	Ethics and regulatory aspects: ethics approval
45 46 47 48 49 50	Consent or assent	26a	Who will obtain informed consent or assent from potential trial participants or authorised surrogates, and how (see Item 32)	Methods and analysis (Recruitment and consent)
51 52 53 54 55 56 57 58 59 60		26b	Additional consent provisions for collection and use of participant data and biological specimens in ancillary studies, if applicable	N/A

2 4 5 6 7 8 9 0	Confidentiality	27	How personal information about potential and enrolled participants will be collected, shared, and maintained in order to protect confidentiality before, during, and after the trial	Ethics and regulatory aspects: Data protection and retention
1 2 3 4 5 6	Declaration of interests	28	Financial and other competing interests for principal investigators for the overall trial and each study site	
7 8 9 20 21 22 23 24	Access to data	29	Statement of who will have access to the final trial dataset, and disclosure of contractual agreements that limit such access for investigators	Ethics and regulatory aspects: Data availability
25 26 27 28 29 50	Ancillary and post-trial care	30	Provisions, if any, for ancillary and post-trial care, and for compensation to those who suffer harm from trial participation	N/A
22 33 44 35 36 37 38 39 40 41 42 33 44	Dissemination policy	31a	Plans for investigators and sponsor to communicate trial results to participants, healthcare professionals, the public, and other relevant groups (eg, via publication, reporting in results databases, or other data sharing arrangements), including any publication restrictions	Ethics and regulatory aspects: Dissemination
45 46 47 48		31b	Authorship eligibility guidelines and any intended use of professional writers	Methods and analysis: Statistical analyses
9 50 51 52 53 54		31c	Plans, if any, for granting public access to the full protocol, participant-level dataset, and statistical code	Ethics and regulatory aspects: Data availability
5 6 7	Appendices			

	Informed consent materials	32	Model consent form and other related documentation given to participants and authorised surrogates	
)	Biological specimens	33	Plans for collection, laboratory evaluation, and storage of biological specimens for genetic or molecular analysis	Methods and analysis: Data collection;
2 3 4 5			in the current trial and for future use in ancillary studies, if applicable	Ethics and regulatory aspects: Data protection and retention

*It is strongly recommended that this checklist be read in conjunction with the SPIRIT 2013 Explanation & Elaboration for important clarification on the items. Amendments to the protocol should be tracked and dated. The SPIRIT checklist is copyrighted by the SPIRIT Group under the Creative Commons "<u>Attribution-NonCommercial-NoDerivs 3.0 Unported</u>" license.

# **BMJ Open**

# COVENANT, the COVID-19 Cohort Study of People Experiencing Homelessness in Toronto, Canada: A study protocol

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	Solutions, Li Ka Shing Knowledge Institute; University of Toronto Department of Medicine, Division of General Internal Medicine
<b>Primary Subject Heading</b> :	Infectious diseases
Secondary Subject Heading:	Epidemiology, Health services research, Public health
Keywords:	Public health < INFECTIOUS DISEASES, COVID-19, Epidemiology < INFECTIOUS DISEASES

# SCHOLARONE[™] Manuscripts

# COVENANT, the COVID-19 Cohort Study of People Experiencing Homelessness in Toronto, Canada: A study protocol

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# Land Acknowledgement: The authors acknowledge working on Anishnawbe and

Haudenosaunee territories and pay respects to the Elders and the communities of past, present and future.

Protocol version: v1.0 (March 2022)

Word count: 298 (Abstract); 3850 (Main text)

**Keywords:** Homelessness; COVID-19 Serological Testing; COVID-19 Vaccine; Longitudinal Studies; Outcome and Process Assessment, Health Care

# Strengths and limitations of this study

- COVENANT is a large, randomly sampled cohort of people experiencing homelessness followed over 12-months during the COVID-19 pandemic..
- Key variables such as infection and vaccination are collected using multiple sources (selfreport, saliva and serological testing, linkage with administrative data sources) to minimize vulnerability to biases stemming from self-reported data.
- Because recruitment was not possible at most encampments or on the street, and individuals in these locations represent about 10% of people experiencing homelessness in Toronto, our sample closely approximates, but is not fully representative of, the homeless population in Toronto.
- Cultural safety and Indigenous-specific ethics and protocols were incorporated into the study after data collection and were more reactionary than embedded.
- As anti-SARS-CoV-2 antibodies decline over time, we may underestimate true prevalence of past SARS-CoV-2 infection in our cohort at baseline.

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# Abstract

**Introduction:** Initial reports suggest people experiencing homelessness (PEH) are at high risk for SARS-CoV-2 infection and associated morbidity and mortality. However, there have been few longitudinal evaluations of the spread and impact of COVID-19 among PEH. This study will estimate the prevalence and incidence of COVID-19 infections in a cohort of PEH followed prospectively in Toronto, Canada. It will also examine associations between individual- and shelter-level characteristics with COVID-19 infection, adverse health outcomes related to infection, and vaccination. Finally, the data will be used to develop and parameterize a mathematical model to characterize SARS-CoV-2 transmission dynamics, and the transmission impact of interventions serving PEH.

**Design, Methods and Analysis:** COVENANT will follow a random sample of PEH from across Toronto (Canada) for 12 months. 736 participants were enrolled between June and September 2021, and will be followed up at 3-month intervals. At each interval, specimens (saliva, capillary blood) will be collected to determine active SARS-CoV-2 infection and serologic evidence of past infection and/or vaccination, and a detailed survey will gather self-reported information, including a detailed housing history. To examine the association between individual- and shelter-level characteristics on COVID-19 related infection, adverse outcomes, and vaccination, shelter and health care administrative data will be linked to participant study data. Health care administrative data will also be used to examine long-term (up to 5 years) COVID-19 related outcomes among participants.

**Ethics and Dissemination:** Ethical approval was obtained from the Unity Health Toronto and University of Toronto Health Sciences Research Ethics Boards. COVENANT was designed in collaboration with community and service provider partners and people having lived experience of homelessness. Findings will be reported to groups supporting COVENANT, Indigenous and other community partners and service providers, funding bodies, public health agencies and all levels of government to inform policy and public health programs.

### **BMJ** Open

## **Background and Rationale**

More than 235,000 people experience homelessness in Canada every year.¹ Homelessness places people at high risk of contracting severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)², as shared living spaces, crowding, difficulty achieving physical distancing, and high population turnover typical of homeless shelters all promote transmission.^{3,4} Moreover, people experiencing homelessness (PEH) have disproportionate intersecting physical, mental, and social burdens that greatly increase morbidity and mortality relative to the general population,^{5–8} including physical and mental health conditions associated with adverse outcomes following COVID-19 infection⁸⁻¹².

To date, most studies describing incidence or prevalence of COVID-19 among PEH have been cross-sectional in design, many focussing on a convenience sample of shelters during the first or second waves (from March to December 2020). As a result, estimates from these studies vary widely depending on setting, timing and preventive measures in place¹³⁻²⁵, with variability primarily determined by whether the settings, in most cases emergency shelters, were experiencing an outbreak^{13,15-16,19,26}. One study using a longitudinal design estimated 6% prevalence in summer 2020, increasing to 18.9% within 90 days (coinciding with the early part of the second wave)²⁷. Generally, PEH are more likely to be infected than a reference general population²⁸⁻²⁹.

Specific settings, including emergency shelters and those with overcrowding or communal sleeping arrangements, are associated with increased risk of infection, presumably due to greater exposure during outbreaks compared to PEH living outdoors or in private and/or well distanced accommodations^{15-18, 24-27}. In Wales, where PEH were comprehensively housed in private settings during the pandemic, COVID-19 prevalence was lower than in the general population³⁰. Similarly, shelters implementing physical distancing practices have been shown to have lower infection rates¹⁵. Evidence for other individual- or shelter-level factors associated with COVID-19 infection remains to be established, and effectiveness of most interventions remain to be evaluated.

Finally, the few studies to date which have investigated vaccine coverage among PEH report low coverage compared to the general population. US-based estimates place coverage among PEH 11.0% to 37.2% lower than the general US population³¹⁻³²; Another recent Canadian study suggests vaccination rates among Ontario PEH who use health care are 25% lower that of adult Ontarians³³.

This prospective cohort study has five broad objectives:

- 1. Determine the incidence and prevalence of COVID-19 infection, related complications and vaccination-status among PEH in Toronto over a 12-month observation period.
- Examine the association between housing history, and individual- and shelter-level characteristics (including shelter-level interventions) with incident COVID-19 infection among PEH over a 12-month observation period.
- Investigate associations between individual- and shelter-level characteristics and adverse outcomes among PEH diagnosed with COVID-19 over a 12-month observation period, and over long-term follow-up (up to 5 years after recruitment).
- 4. Assess vaccination uptake among PEH and factors associated with vaccination.
- 5. Develop a novel transmission model for COVID-19 among PEH living in urban settings.

COVENANT has two associated studies not described in this protocol: a) a genomics study aiming to evaluate the phylogenetics of SARS-CoV-2 positive samples among PEH in Toronto, to determine the utility of viral sequencing in outbreak assignment; and b) a qualitative study focusing on the pandemic experiences of PEH and drivers of vaccine uptake and hesitancy, to develop strategies to reduce barriers and improve confidence in vaccination and other protective strategies.

# Methods and analysis

### **Design and setting**

COVENANT is an ongoing prospective, longitudinal study being conducted between June 2021 and approximately December 2022 in Toronto, Canada. Toronto is the country's largest city, and has the largest group of PEH in Canada³⁴. A recent point-in-time count estimated 7,347 PEH were in Toronto on a single night, with approximately 90% staying indoors (e.g. at shelters) and 10% staying outdoors on the street or in encampments.³⁵ Approximately 15% self-identified as Indigenous.³⁵ In Toronto, numerous community and service organizations, such as Anishnawbe Health Toronto and the Inner City Health Associates, provide PEH with targeted health and social services. The Shelter, Support & Housing Administration (SSHA) Division manages housing and homelessness services across the city, and policies and strategies related to containment and mitigation of COVID-19, including testing and vaccination, are guided by public health authorities at provincial and regional levels.³⁶

Throughout the pandemic, PEH have been identified as being at higher risk for infection and related complications³⁷. As a result, they received priority testing status when diagnostic tests were limited and prioritization for vaccination, and funding has been made available to establish physical distancing hotels^{38,39}.

Data from Indigenous participants in this study are possessed and owned by Anishnawbe Health Toronto (AHT), a fully accredited health centre which serves Indigenous clients with a model of care based on Indigenous culture and traditions using both western and traditional approaches. Research focused on Indigenous study participants will be led by AHT and Waakebiness-Bryce Institute for Indigenous Health.

## **Eligibility criteria**

To be eligible, participants had to be aged 16 years or older, experiencing homelessness at time of recruitment⁴⁰, able to provide informed consent, willing to provide a finger-prick blood

sample at baseline and each follow-up encounter, and to be contacted for follow-up encounters.

## **Recruitment and consent**

We obtained a representative sample of PEH living in emergency and provisionally sheltered settings using field-tested methods used successfully in two previous studies.^{41,42} Recruitment, data collection and follow-up was conducted by the Survey Research Unit (SRU) of the MAP Centre for Urban Health Solutions, which has extensive expertise in research involving PEH. Recruitment occurred from June 2021 to September 2021 at 61 physical distancing hotels and shelter sites for youth (16-24 years), adults, and families experiencing homelessness in Toronto. Recruitment at major encampment sites was planned; however, because municipal authorities enforced a series of encampment clearances during the recruitment period,⁴³⁻⁴⁵ only one encampment recruitment visit could be completed. Due to prohibitive logistical considerations, we were unable to recruit individuals living on the street.

A random number schedule was assigned to randomly select beds or rooms at each shelter or hotel site. Staff approached each potential participant from eligible beds/rooms to confirm study eligibility; Once confirmed, staff explained the purpose, process, risks, and benefits of the study. Participants chose to participate by providing written informed consent (Supplement 1). For encampments, research staff worked with outreach workers to approach and invite encampment residents to participate. Due to the small number of encampment residents, all residents were approached and invited, if eligible.

Most potential participants were able to understand and participate fully in the consent process. Where doubts existed, an Additional Consent Measures Checklist (Supplement 2) was used to confirm understanding of key aspects of the letter of information and consent form. Additionally, we offered access to an on-the-spot interpretation service to prevent language barriers to participation.

Participants can withdraw from the study at any time. If a participant withdraws, research staff will cease further data collection, and will not re-contact the participant. Because interim analyses will be performed throughout the follow-up period, participants are unable to retroactively withdraw data that has already been collected.

#### Sample size

We used the exact Clopper-Pearson Confidence Interval (CI) formula to calculate the sample size required to estimate a 95% CI with half-width (precision) of 5% or less for the primary outcome (incidence of SARS-CoV-2 infection over 12 months). A sample size of 402 achieves this goal under incidence scenarios between 10% and 90%. Assuming a follow-up rate of 80% at the end of the 12-month period, the initial sample size required is 503. This sample size is further inflated to account for participants with past infection at baseline who must be excluded from the calculation of incidence. Assuming 75% of participants are uninfected at baseline, the sample size required is 503/0.75 = 670. Thus, we conservatively planned for a sample size of 700, achieved by sampling among a fraction (20%) of beds available at each participating site.

We recruited a total of 736 participants between June and September 2021.

#### **Promotion of continued participation**

Longitudinal studies with PEH face special challenges with follow-up. To minimize attrition, we will be using methods effective in tracking and retaining study participants living in homeless or marginalized housing situations.⁴⁶⁻⁵⁰ At each interval and during recruitment, interviewers endeavor to establish trust and rapport with participants. Participants will receive a \$40 CAD honorarium at each interview as compensation for their time. Participants will also be asked to provide detailed contact information, as well as contact information of family, friends, and other service providers that we may contact if research staff are unable to reach the

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participant. Finally, participants will be asked to call research staff at a toll-free study number between interviews to provide updates about contact information and location. Participants who do this will receive an additional \$10 CAD honorarium at the next follow-up encounter.

#### **Data collection**

#### Baseline

At the time of recruitment, research staff conducted a 60- to 90- minute baseline interview (Supplement 3). Telephone interpretation service was used as needed. The interview asked participants about their sociodemographic information (age, sex, gender identity, race, Indigenous identity, immigration/refugee status, education, weight, height, and duration of current period of homelessness), health information, housing history, prior COVID-19 infection history, current COVID-19 symptoms, vaccination history, and activities and behaviours related to COVID-19.

Participants also provided two self-collected saliva samples and one finger-prick blood sample at baseline. Saliva specimens for the detection of SARS-CoV-2 have been shown to be sensitive, safe and less invasive to obtain compared to nasopharyngeal specimens.^{51,52} One saliva sample was obtained using the mouth swish-and-gargle technique⁵³. The second saliva sample, used for parallel detection of antibodies against SARS-CoV-2, was collected using Salivette tubes, for which participants kept a swab in their cheek for 2 minutes or until the swab was saturated⁵¹. Approximately 250 µL of capillary blood was collected into a plasma tube (BD365985). If collection of blood into a plasma tube was unsuccessful, blood was blotted onto filter paper (Whatman 903) as a dried blood spot.

#### Follow-up

Follow-up interviews will occur approximately every three months after the baseline interview, and must occur between 45 and 135 days after the previous interview. If this time window is missed, the interview will be skipped and participants will be contacted for the subsequent interview. If the research team cannot re-contact the participant, they will contact the shelter program where the participant is currently registered according to Shelter Support & Housing Administrative (SSHA) databases, or their last known location if not registered in the databases, to locate them.

Follow-up interviews will take approximately 30 minutes, and may take place at the site of recruitment, another shelter program, or another location in the community convenient to the participant. One saliva sample (swish and gargle method) and one finger-prick blood sample will be acquired, and updated information regarding housing history, prior COVID-19, vaccination history and behaviours related to COVID-19 will be recorded.

Research staff will use personal protective equipment during all interviews, including face masks, face shields, gowns and gloves, and participants will be required to wear face masks during the interviews. Table 1 shows the full schedule of interviews and biological specimens collected each interval.

## Table 1 – Summary of intervals and associated domains and specific instruments/methods for data collected

Interval	Domain	Method/instrument	Purpose
Baseline	Socio-demographics		To describe the participant
	Health		To describe the participant
	Prior COVID-19		To describe the participant
	Activities and behaviours related to COVID-19		To describe the participant
	Housing		To describe the participant
	Biological samples	Saliva sample (Swish and gargle method)	Detection of current SARS- CoV-2 infection
		Saliva sample (Salivette tube method)	Detection of past antibodies against SARS-CoV-2

		Finger-prick capillary blood sample (500 μL) and/or Dried blood spot	Detection of past antibodies against SARS-CoV-2
Follow-up (3, 6, 9, 12 mths)	Health		To describe the participant since last interview
·	Prior COVID-19		To describe the participant since last interview
	Activities and behaviours related to COVID-19		To describe the participant since last interview
	Housing		To describe the participant
	Biological samples	Saliva sample (Swish and gargle method)	Detection of current SARS- CoV-2 infection since last interview
		Finger-prick capillary blood sample (500 μL) and/or Dried blood spot	Detection of past antibodies against SARS-CoV-2 since last interview

#### **Data Recording and Processing**

Survey information will be entered onto tablets during the interview, removing the need for secondary data entry. An original copy of the data will be kept separate from a master copy, which will undergo quality control assessments by two research team members independently to identify invalid or suspect data. Any inconsistent information will undergo further evaluation, and the team will collaboratively decide if and how to correct the master dataset. Decisions about corrections will be recorded.

Current COVID-19 infection will be determined by quantitative reverse transcription polymerase chain reaction (RT-qPCR) for SARS-CoV-2 in saliva. Samples will be processed in a clinical microbiology lab with standard methods^{51,54}. Evidence of past COVID-19 infection and/or response to vaccination will be determined by enzyme-linked immunosorbent assay (ELISA) for anti-SARS-CoV-2 IgG antibodies against the spike protein trimer, the spike protein receptor-binding domain (RBD), and the nucleocapsid antigen in capillary blood, or in dried

blood spot samples obtained when capillary blood cannot be obtained. These assays are validated; details of the assays are reported elsewhere.⁵⁵

#### Linkage

Participants having provincial healthcare coverage will have their data linked to Ontario health administrative data holdings at ICES⁵⁶ to access historical (up to 10 years back) and on going (up to five years forward) information on COVID-19 testing, health conditions relevant to COVID-19, emergency department visits, hospitalizations, and deaths. This linkage will be accomplished using name, date of birth, and health card number (a unique identifier permanently assigned to each individual covered by Ontario's single-payer universal health insurance system). ICES is an independent, not-for-profit research institute that hosts Ontario's health administrative data, and has provided extensive reporting related to COVID-19 in Ontario⁵⁷.

In addition, aggregate shelter-level data and participant use of physical distancing hotels or shelter programs in Toronto, as well as site-specific information (e.g. gender mix, bed capacity, shelter layout, documented COVID-19 infections among residents and staff) will be obtained from the SSHA Division of the City of Toronto for one year prior to the start of recruitment, and up to two years following recruitment.

#### Outcomes

The main outcomes of interest will be incidence of COVID-19 infection over 12 months, and prevalence of COVID-19 infection at 12-month follow-up. At each time point, incident infection will be defined as: a) positive saliva PCR test in an individual without previously positive saliva PCR or blood serology tests; or b) positive blood serology test in an individual without previously positive serology. As certain antibodies are present with both vaccination and infection⁵⁸, final infection and vaccination statuses will be adjudicated following a decision tree

(Supplement 4) which uses biological sample results and self-reported infection and vaccination information.

Secondary outcomes of interest will include: a) COVID-19 vaccination status, determined by self-report, serology tests or ICES confirmation in its provincial vaccination database (COVAXON); and b) health complications arising from COVID-19 infection, as determined by self-report and health administrative databases at ICES, both over the short (within one year) and longer term (within five years).

## Statistical analyses

Unless otherwise indicated in the manuscript, we will estimate prevalence of past COVID-19 infection as the proportion of participants who had a positive PCR or adjudicated serology result at any point during the 12-month observation period.⁵⁹ Incidence will be calculated as incidence proportion (number of participants with incident COVID-19 infection during a time point divided by uninfected participants at baseline) and incidence rate (number of participants with incident COVID-19 infection during a time point divided by total person-months of observation) at all time points. Where infection date information is unavailable, it will be imputed assuming that new infections occur at a random time between the last negative and first positive PCR or adjudicated serology result available.⁶⁰

To explore factors associated with infection incidence, we will fit Poisson regression models to estimate rate ratios and 95% confidence intervals (CIs), or time-to-event models to estimate hazard ratios and 95% CIs, as appropriate. Infection incidence will be the dependent variable, and individual- and shelter-level characteristics will be independent variables (either summarized for the period or as time-varying covariates). To explore factors associated with adverse outcomes and vaccination status, we will construct logistic regression models to estimate odds ratios and 95% CIs for COVID-19 hospitalization, COVID-19 ICU admission, COVID-19 death, and COVID-19 vaccination, respectively. Housing state history and individual- and

shelter-level characteristics will be selected as covariates, as appropriate (either inferentially or where unadjusted associations are statistically significant).

Data may be missing for specific variables if participants decline to answer, or for entire intervals if participants are not found within the specific time-frame for that interval. In these cases, we will perform multiple imputations, either for the main analysis or as sensitivity analyses as the situation dictates.⁶¹ Individuals who cease participation or who die during follow-up may not be missing at random; as such, these individuals may be analyzed separately if their model trajectories are found to differ substantially from the cohort as a whole.

For objective 5, we will simulate SARS-CoV-2 transmission using a modified, compartmental, Susceptible-Exposed-Infectious-Recovered (SEIR) mathematical model.⁶²⁻⁶⁴ The model will include asymptomatic and pre-symptomatic states and strata for temporary housing, infection control, masking, and vaccination. The network structure of the model will be specified as a patch (or meta-population) model, where shelters represent facility-patches and surrounding neighborhoods represent community patches. PEH, staff, and volunteers will connect shelter patches. We will use COVENANT baseline COVID-19 prevalence with anonymized person-level characteristics (including contract rates and mixing [who contacts whom]), external COVID-19 surveillance data (person-level and outbreak data by shelter), shelter-level characteristics, and data from the literature to parameterize and calibrate the transmission model.

We will use the transmission model to estimate SARS-CoV-2 incidence trends and the probability and size of future outbreaks and to conduct counterfactual modeling experiments. The latter will be used to evaluate the transmission impact of population-specific intervention strategies and programmes that were implemented in Toronto during the pandemic (such as physical distancing efforts at shelters and physical distancing hotels; COVID-19 isolation strategies; vaccination programs; housing interventions; and to estimate the potential impact of future population-specific interventions and preparedness strategies focused on the needs of PEH.

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Statistical analyses will be conducted using R, STATA, and SAS; the transmission model will be coded in R and C++. All statistical tests will be two-sided and a p-value of 0.05 or less will indicate statistical significance. Reporting will adhere to the Strengthening the Reporting of Observational Studies in Epidemiology (STROBE) guidelines⁶⁵; transmission modeling reporting will follow the ISPOR Best Practices in Transmission Dynamics Modeling⁶⁶.

#### **Study limitations**

The COVENANT study has several limitations to consider. First, this study is being conducted in a single city (Toronto, Canada). Findings may not be generalizable to other settings with different policies, social or health care settings or contexts, or homeless populations with markedly different characteristics. Second, due to logistical constraints, our study recruited no participants living on the street, and very few participants at encampments. The 2021 Street Needs Assessment indicates that, during a time of the year with moderate climatic conditions (spring), approximately 10% of PEH in Toronto were staying in settings not sampled³⁵. Therefore, our sample will be close to, but not entirely representative of, the homeless population in Toronto. Third, many recent studies have found evidence that anti-SARS-CoV-2 antibodies decline over time.⁶⁷⁻⁶⁹ This is an inherent limitation of all serological studies, and may lead us to underestimate the true SARS-CoV-2 prevalence in our cohort. Fourth, Indigenous ethics and protocols were incorporated into the study after data collection and were more reactionary than embedded. Ongoing research will include Indigenous community partnership as a framework for any Indigenous data sets.

Finally, and as with most other cohort studies, we rely on the collection of self-reported data from participants, which suffers from potential biases including social desirability and recall bias. We have, however, minimized the impact of these biases by also collecting key variables (e.g. infection and vaccination) through saliva and blood samples, and will also cross-reference against information in health administrative data.

#### **Ethics approval**

The COVENANT study has been approved by the Unity Health Toronto Research Ethics Board (REB). All changes to the protocol will be communicated to and receive approval from the REB before implementation. COVID-19 infection events will be obtained for modelling from the Case and Contact Management (CCM+) database made available from the Ontario Ministry of Health and Ontario COVID-19 Modelling Consensus Table, with approval from the University of Toronto Health Sciences REB. Ethical approval from the community partner (AHT) will be incorporated in an ongoing manner and they will continue to be consulted through the life of the project.

## **Participant safety**

The main benefit to participants will be detection of active COVID-19 infection through RT-qPCR testing. Because the saliva test used in this study is not currently approved for clinical use, participants cannot be formally diagnosed with COVID-19 unless they subsequently undergo confirmatory testing. Until January 2022, we attempted to contact participants who had positive test results to assist with referral and transportation to a COVID-19 Assessment Center for confirmatory testing. Beginning in January 2022, when confirmatory testing was no longer advised by provincial guidelines, we will continue to notify Toronto Public Health of positive test results and contact participants who test positive to ask them to self-isolate following their shelter or residence's usual procedure.

The main risk to participants will be the possibility that some may find certain interview questions challenging or uncomfortable. To mitigate this risk, the interview guide was pilot-tested with several people having lived experience of homelessness and reviewed by partners

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at AHT before recruitment. Participants will also be told they may choose to not answer specific questions or stop the interview at any time. Also, cultural safety was identified as a potential issue for participants subsequent to data collection and has since been addressed by the incorporation of culturally-safe Indigenous researchers to the research team.

A second, minor risk for participants will be the transient pain or discomfort caused by fingerprick blood sampling at each encounter.

#### Dissemination

With the help of the Canadian Alliance to End Homelessness, we will disseminate interim and final results through brief reports, presentations and meetings to our extensive network of researchers, clinicians, public health professionals, and community and political leaders in cities across North America. The transmission model code from objective 5 will also be shared as open-access code and thus comprise a tool for future use in Toronto, and for adaptation in other settings.

Anishnawbe Health will lead the dissemination plan for Indigenous data and results to ensure the minimization of harm and to maximize benefits for Indigenous Peoples.

#### Data protection and retention

The research team will make every effort to keep data confidential in accordance with all current local and provincial privacy legislation. Indigenous data will be possessed and owned by AHT according to OCAP[®] principles⁷⁰. Information and biological samples will only be linkable through a unique study identifier. Personally identifying information will be stored in a Master Linking Log, which will only be used by designated team members to contact participants and for administrative data linkage with participant consent. Contact information will be stored as separately in a password-protected database. All study data will be stored at St. Michael's

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Hospital on a secure and password-protected computer server. Saliva samples for RT-qPCR, blood samples for ELISA and salivettes will be stored at Mount Sinai Hospital and the University of Toronto.

All study information and samples will be kept for a period of at least 10 years from the end of the study and then destroyed.

## Patient and public involvement

The survey instruments were pilot tested with individuals with lived experience of homelessness. Pilot test participants were not asked to provide samples, nor will their data be used in the study.

#### Data availability

Data from the COVENANT study will be available for collaborative research questions. Such requests must be authorised by the data owners (the principal investigator and AHT) and appropriate Human Research Ethics Committees and Human Research Governance Safety Entities. Data pertaining to Indigenous participants will be possessed and stored by AHT.

Transmission model code, without patient-level data, will be shared as an open-access modelling platform and tool for future use in Toronto and for adaptation in other settings.

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**Competing interests statement:** The authors have no competing interests.

<u>Author contributions</u>: SH conceived of the study. SH, RN, ML, SM, ACG, JG and SB assisted with study design. RN, ML, CP, OS and JH designed the survey instrument. CP, OS, RS, JH, RN and LR helped with data collection and/or processing. RN and LR provided statistical expertise and LR is writing the statistical analysis plans, conducting the primary statistical analyses and drafting study manuscripts. SM and SB designed and are leading the transmission modeling. All authors contributed to refinement of the study protocol. LR drafted the manuscript, and all authors reviewed and approved the final manuscript.

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Supplementary information

Supplement 1: Consent form

Supplement 2: Additional Consent

Supplement 3: Survey instrument

Supplement 4: Adjudication of serological and self-report infection and vaccination data

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## Letter of Information and Consent to Participate in a Research Study



## <u>Title of Research Study:</u> The COVENANT Study: COVID-19 Cohort Study of People Experiencing Homelessness in Toronto

Principal Investigator	<b>Dr. Stephen Hwang</b> MAP Centre for Urban Health Solutions, St. Michael's Hospital Tel: 416-864-5991
Study Coordinator	Olivia Spandier
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	St. Michael's Hospital, 209 Victoria Street, Toronto, M5B 1W8
	Tel: 416-864-6060 x77440
<b>Research Manager</b>	Ruby Sniderman
2	MAP Centre for Urban Health Solutions
	St. Michael's Hospital, 209 Victoria Street, Toronto, M5B 1W8
	Email: ruby.sniderman@unityhealth.to

Study personnel can be reached from Monday to Friday, 9:00 am - 5:00 pm.

## Funding

This study is funded by the COVID-19 Immunity Task Force (CITF). The investigators have no conflicts of interest to disclose.

## **Introduction**

You are being asked to consider taking part in a research study because you are currently experiencing homelessness. Before agreeing to take part in this research study, it is important that you read the information in this research consent form. It includes details we think you need to know in order to decide if you wish to take part in the study. If you have any questions after you read through this form, please ask the research team. You should not sign this form until you are sure you understand all the information on the form. Participation in this study is voluntary.

## **Purpose of the Research**

The purpose of this study is to collect information on COVID-19 among people experiencing homelessness. Homelessness puts people at high risk during the COVID-19 pandemic. This study will provide important information on the spread of COVID-19 in the homeless population. This information may help support the health of people experiencing homelessness during the pandemic.

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For this study, we will be recruiting 700 study participants from shelters, hotel programs and homeless encampments in Toronto, and then following-up with participants every 3 months for one year.

## **Description of the Research Activities**

If you consent to participate in the study, you will be asked to participate in a total of 5 interviews: one interview today and then one interview every 3 months for the next year. We will ask you questions such as demographics, housing history, and questions about your thoughts and experiences with the COVID-19 vaccine. At the time of each interview you will also be asked to provide a saliva sample, where you will swish and gargle a solution for a period of time then spit into a cup, and a finger-prick blood sample (where we take a few drops of blood from your finger). At the interview today, you will also be asked to provide a second saliva sample by chewing on a swab. (Please note that using saliva samples to test for COVID-19 is not the standard method in Ontario. If you receive a positive test result, you will be asked to have a nasopharyngeal (NP) swab test to confirm the results.) The saliva and blood samples will be sent to research labs at Mt. Sinai Hospital and The University of Toronto, where scientists in the lab will test the saliva to see whether you currently have the COVID-19 virus, and will test the blood sample to see if you have antibodies to COVID-19, which would indicate if you have had COVID-19 in the past. These antibodies are substances that the body makes in response to infection with COVID-19. Please note, having antibodies does not necessarily mean you have developed immunity or are resistant to COVID-19. It simply means you were probably exposed to the virus at some point in the past. If you would like to receive the results of your antibody tests at the end of the study, we will call you after your last interview to give you the information. The interviews will take approximately 30-45 minutes to complete.

We also ask that you call a toll-free study number around 1 month before each interview to provide us with any updates to your contact information.

## **Other Research Activities**

In addition to collecting information from you directly, with your permission, we would also like to collect additional information from the sources listed below and explained in detail at the end of this letter. You will be asked to consent specifically to each of these and may opt out if desired.

- 1) Health-related information from ICES
- 2) Shelter use information from the City of Toronto's Shelter Support & Housing Administration Division
- 3) Contact information of friends, family, and service providers
- 4) Permission to contact you for related research studies in the future
- 5) Permission to obtain any positive COVID-19 test swab from the laboratory and look at the COVID-19 virus's genetic fingerprint. We will only be looking at the genetic material of the COVID-19 virus, NOT your DNA.

Your health card number, name, date of birth, and gender/sex listed on government documents will be securely transferred from St. Michael's Hospital to the Institute for Clinical Evaluative Sciences (ICES) to help us gather information about your health, including any health conditions, COVID-19 testing, and hospital use. ICES is an organization where people's health information including health care use in Ontario is stored. The information will be securely

provided to the research team by ICES as coded information only for analysis. Any personal identifiers such as your health card number or name will be removed or replaced with a code that is not known to the research team.

Your name, date of birth, and gender/sex will be securely transferred from St. Michael's Hospital to the Shelter Support & Housing Administration Division to obtain information about your use of shelter programs in Toronto. For example, if you move to stay at a shelter program different from your current location, we will be notified of this information. These data will cover a period of one year before you join the study and will go up to two years after you have joined the study. Your name, date of birth, and gender/sex will also be used to help the research team locate you for upcoming interviews.

If you consent, we will obtain any positive COVID-19 test swabs from the laboratory and look at the COVID-19 virus's genetic fingerprint. Your sample will be transported from the original testing laboratory to the Sinai-UHN laboratory. A technician will extract genetic material from the virus that will be sent for sequencing at a CANCOGEN-partnered sequencing facility. The original sample will be stored for up to 10 years and then destroyed. We will only be looking at the genetic material of the COVID-19 virus, NOT your DNA. This allows us to examine the COVID-19 virus that infected you, test for variants, and track outbreak and infections patterns in different settings. This type of testing is routinely done by public health units to track the COVID-19 virus.

## **Potential Risks**

Some of the interview questions may seem personal and may make you feel uncomfortable or may upset you. If this happens, you do not need to answer any question that you do not wish to, and you can let the interviewer know if you would like to take a break or stop the interview.

The main risk to participants is detection of active COVID-19 infection through study testing. Participants with a positive test will be contacted directly or by shelter staff to be informed of their status and offered temporary shelter, health monitoring, and supports at specially designated recovery shelters operated by the city of Toronto. Your name and results will be shared with the shelter staff for the purpose of notifying you of your results and connecting you to a service operated by the City of Toronto for people experiencing homelessness to recover from COVID-19. Your name and results will also be shared via email and Hypercare with the City of Toronto to facilitate transportation to a recovery site. You will be offered to have a driver meet you at the shelter you are residing at and take you to a COVID testing centre for confirmatory testing. They will then take you to a recovery site for you to stay at while you wait for your test results and/or recover from COVID-19. Given that COVID-19 is a condition of public health significance, positive results will be reported to the Medical Officer of Health (also known as Toronto Public Health), under the Health Protection and Promotion Act. Additionally, the Ontario government has passed a regulation authorizing first responders, such as police, firefighters and paramedics to access an individual's name, address, date of birth and whether the individual has had a positive test for COVID-19. It is unknown how long these regulations will be in place.

## **Potential Benefits**

The main benefit to participants is the opportunity to find out about your COVID-19 status. If you do test positive, our research team will help you obtain referral and transportation to sites for confirmatory testing, temporary shelter, support, and health monitoring.

## **Protecting Your Health Information**

All persons involved in the study are committed to respecting your privacy. No persons other than select members of the research team will have access to your personal health information without your consent, unless required by law. Study personnel will make every effort to keep your personal health information private and confidential in accordance with all applicable privacy legislation, including the Personal Health Information Protection Act (PHIPA) of Ontario.

To maintain your privacy, any personal information is kept separate from your study data and given a code. Your survey responses will not include any personally identifying information. Your survey data will be collected by trained interviewers using tablets and no data is saved on these tablets. Once collected, the data will be securely sent, stored, and kept at St. Michael's Hospital's on a secure computer server. All specimens, including saliva and finger-prick blood samples will be identified with a code. Our understanding of COVID-19 is changing rapidly. To allow for possible future research on COVID-19, all study data and samples will be kept for a period of 10 years following the end of the study and then destroyed.

Despite these protections, there remains a risk of unintentional release of information. However, the Principal Investigator will protect your records and keep your information confidential to the greatest extent possible. The chance that your personal information will be unintentionally released is very small.

## Data Sharing with the COVID-19 Immunity Task Force (CITF)

The CITF is a national initiative funded by the Government of Canada to perform research related to COVID-19 immunity. Your study data related to COVID-19 infection status, demographic information, health, experience with COVID-19, activities and behaviors related to COVID-19, and housing history will be shared with the CITF. However, all of your study data will be labelled with a code and not with your personal information. No personally identifying information will be shared with the CITF.

Data provided to the CITF will be stored in the CITF database. The CITF database will be held under the custodianship of McGill University or one of its collaborators and will be shared via the cloud, both nationally and internationally. Data in the CITF database will be stored indefinitely, until it is no longer useful for research, or until an ethics committee decides otherwise. The data in the CITF database might be accessed by other researchers studying COVID-19 following approval by a Data Access Committee. This Committee will ensure that all use of data stored in the CITF database is in full compliance with Canadian law and research ethics.

## Email and Text Message Communication

We may contact you by email or text message, if you indicate that you would like to be contacted this way when we collect your contact information. There is no obligation to text or email – you may always contact us by phone. Please note that email and texting may not be secure modes of communicating, since they may be viewed by others and kept indefinitely. For these reasons, we will use email and text messaging to set up appointments, but we will not include personal health information such as your full name, date of birth, or OHIP number in emails and text messages. There are common risks of using email to communicate including:

• Information travels electronically and is not secure in the way a phone call or regular mail would be.

• If someone sees these messages they may know that you are a participant in this study or see the health information included in the message.

• Emails and text messages may be read or saved by your internet or phone provider (i.e. Rogers, your workplace, "free internet" providers).

• Copies of an email or a text message may continue to exist, even after efforts to delete the email have been made.

• There is always a chance with any unencrypted email or text message, however remote, that it could be intercepted or manipulated.

Please note: YOU MUST NOT USE EMAIL OR TEXT MESSAGES FOR MEDICAL EMERGENCIES. If you require immediate help, call your clinic or care provider, or seek emergency services.

## Limits to Confidentiality

Any information that reveals your identity will not be released without your consent, unless required by law. COVID-19 is a reportable disease by law, so positive tests will be reported to Toronto Public Health. If you do have a positive test result, we will work with you, Toronto Public Health, and/or the place you are staying to help you get appropriate care and support. Positive tests are the only piece of data in this study that will be released to Toronto Public Health with your name.

## **Publication of Study Results**

The results of this study may be presented at scientific conferences or published in scientific journals. If you are interested in obtaining the results of the study, you can contact the Principal Investigator or Research Coordinator by phone or email. You will never be personally identified in any publication, report, or presentation that may come from this study.

## **Potential Costs and Reimbursement**

If you agree to participate in the study, you will receive \$40 after each sample collection and interview (up to \$200 for completing all 5 interviews) to compensate you for your time and help with transportation costs for follow-up interviews. In addition, you will have the opportunity to call the research team one month before each scheduled interview to update your contact information and confirm the timing of your next interview. You will receive \$10 for each check-in call (up to \$40 for completing all 4 check-ins). This additional \$10 will be provided at your next interview.

## Participation and Withdrawal

Participation in this study is completely voluntary. Even if you choose to participate, you may change your mind and stop participating in the study at any time without giving a reason. A researcher may ask you if you would like to re-join the study from time to time, but the decision is yours. You are not obligated to re-join the study. If you choose to withdraw from the study, the data and samples collected from you prior to your withdrawal will be retained and used in analyses.

Your decision to participate or not, or to withdraw from the study, will not impact the services you access from St. Michael's Hospital or any other service provider. If anything about the study changes that may impact your desire to participate, it will be communicated to you immediately.

### **Research Ethics Board Contact**

If you have any questions regarding your rights as a research participant, you may contact the Unity Health Toronto Research Ethics Board Office at 416-864-6060 ext. 2557 during business hours (9:00am-5:00pm) Monday to Friday.

The study protocol and consent form have been reviewed by a committee called the Research Ethics Board. The Research Ethics Board is a group of scientists, medical staff, and individuals from other backgrounds (including law and ethics) as well as members from the community. The Board is established to review studies for their scientific and ethical merit. The Board pays special attention to the potential risks and benefits to the participant, as well as the potential benefit to society.

## **Study Contacts**

If you have any questions about this study, contact Olivia Spandier, the study coordinator, at St. Michael's Hospital at 416-864-6060 ext. 77440. You may also contact Dr. Stephen Hwang, the Principal Investigator, at 416-864-5991.

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#### Signature Pages: Documentation of Informed Consent <u>The COVENANT Study: COVID-19 Cohort Study of People Experiencing Homelessness in</u> <u>Toronto</u>

By signing this consent form, I acknowledge that:

- I have received a copy of this letter of information and consent form.
- This research study and the information and samples to be collected from me have been explained to me, and my questions have been answered to my satisfaction.
- I know that I have the right not to participate and the right to withdraw from this study without affecting the services I receive at St. Michael's Hospital or any other service provider.
- The potential risks and benefits of participating in this research study have been explained to me.
- I have been told that I have not waived my legal rights nor released the investigator or involved institutions from their legal and professional responsibilities.
- I know that I may ask, now or in the future, any questions I have about this study.
- I have been told that information about me and my participation in this study will be kept confidential and that no personally identifying information will be disclosed without my permission unless required by law.
- I have been given sufficient time to read the information in this consent form.

I consent to participate in this study.

Participant Name (Print)	Participant Signature	Date
I have explained to the above-named	participant the nature and purpose	e, the potential benefits,
and possible risks of participation in	this research study. All questions t	hat have been raised
about this study have been answered		

Name of Person	Position/Title of	Signature of	Date
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Version 5 (June 3, 2021) For peer review only - http://			

1 2	If participant is not able to read independently for any reason:	
3 4	<b>Declaration of Assistance – Witness to Consent Process</b>	
5 6 7	Study Participant's Name (Print):	
7 8 9 10 11 12 13 14 15 16 17 18 19	ASSISTANCE DECLARATION AND SIGNATURE: I have provided assistance during the consent discussion between the potential participant and the person obtaining consent by (please check one): Acting as a witness to the consent discussion Assisting in delivery of consent discussion (reading/oral), including communication of questions and responses Other: I attest that the information was accurately explained, and the participant has freely given consent to participate in the research study.	
20 21	consent to participate in the research study.	
22 23 24	Name of Person AssistingSignature of PersonDateConsent (Print)Assisting Consent	Time
25 26	Relationship to Study Participant:	
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56	Contact Information of Person Assisting Consent:	
57 58 59	Version 5 (June 3, 2021)	10

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If participant has limited proficiency in English:

**Declaration of Assistance – Interpreter** 

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Study Participant's Name (Print):

## **INTERPRETER DECLARATION AND SIGNATURE:**

I am competent in the English language and in the preferred language of the potential participant: ________(name of language)

I am not involved in the research study or related to the participant. I agree to keep confidential all personally identifying information of the participant. I have faithfully interpreted the consent discussion and provided a sight translation of the written informed consent form as directed by the research staff obtaining consent.

Name of Interpreter (Print)	Signature of Interpreter	Date	Time
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contact information of interpreter			

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#### **Additional Consent Measures Checklist** If the study team is uncertain about the potential participant's capacity to consent, this form will be reviewed with the potential participant prior to signing the consent form. Participant ID: _____ Voluntary Participation Check One □ Clear Do you have to participate in this research study? □ Re-Explained Once you have signed the consent form, do you have to stay in the study until the □ Clear very end? □ Re-Explained **Risks and Benefits** Check One What are the risks of being in the study? □ Clear □ Re-Explained What are the benefits of being in the study? □ Clear □ Re-Explained *Confidentiality* Check One Will the information you provide to us be kept absolutely confidential? **C**lear □ Re-Explained Check One Samples Required □ Clear What samples will be required from you? □ Re-Explained **Time Required** Check One How long will you be enrolled in the study? Clear **Re-Explained** How many interviews will you have to do? □ Clear □ Re-Explained What will you need to do during each interview? □ Clear □ Re-Explained Reimbursement **Check One** Will you be paid for participating in the study? □ Clear □ Re-Explained **COVID-19** Testing Check One What happens if you test positive for COVID-19? **C**lear □ Re-Explained Check One **Ouestions** Clear If you have questions about the study, who should you ask? □ Re-Explained

I have administered the above additional consent measures to ensure that the potential participant understands the nature and purpose, the potential benefits, and possible risks associated with participation in this research study. I have answered all questions that have been raised.

X

Signature of Study Person Name (Printed) Explaining Study For peer review only - http://bmjopen.bmj.com/site/about/guidelines.xhtml

Date

# **COVENANT: COVID-19 Cohort Study of People Experiencing Homelessness in Toronto**

## SURVEY INSTRUMENT

Collected every 3 months

## Face-to-Face Survey Administered by

MAP Survey Research Unit St. Michael's Hospital

## **Principal Investigator**

Dr. Stephen Hwang

Version January 14, 2022

# INSTRUCTIONS FOR INTERVIEWERS

Always read the instructions for the paper and web survey **carefully** as they may differ. You will find several symbols, reminders, and skip patterns throughout the survey. They appear in the survey as seen below:

1	"Interviewer:" or any italicized words are meant to be instructions for the interviewer and are not to be read aloud.
2	<b>Bolded texts</b> are the questions that are to be read aloud to participants. The only exceptions ar grid style questions.
3	<b>(Go to 8.1)</b> / $\rightarrow$ If 18yrs/older: <b>Skip to 1.2.</b> : This shows a skip pattern in the question(s). Pay attention to <i>instructions</i> for interviewers as they may contain instructions for skip patterns.
4	If you see (round brackets) within question text, this can be used as a probe. For example: "Hav you received the flu shot this fall or winter (October 2020 or later)?" Note that it may appear bolded/not bolded depending on whether the question is within a grid or not.
5	<u>Underlined</u> words are intended to a) be emphasized in the question. This could be related to a time period, descriptor, etc., or b) point out important instructions for the interviewer.
6	<b>[Bolded, italicized text in rectangle brackets]:</b> This is an instruction for the interviewer to inser information to be said to the participant (e.g. a date).
7	Response boxes: <a>- Used for "check all that apply" questions. </a> - Used for single response questions.
8	Please use a " $\checkmark$ " or fill in the $\Box$ or $\bigcirc$ next to the response options for close ended questions.
9	Writing qualitative, open-ended answers: You will notice a solid line that will instruct you to document qualitative text. Please make sure your printing is clearly legible.
10	Dates should be recorded as follows: e.g. 01-Aug-2020.
11	-1 (Not applicable); -2 (Refused); -3 (Don't know): Do not present these as options for respondents. Only use if the closest response to the question is not possible. Please note that N/A (Not applicable) should only be selected if the question does not apply to the respondent.
12	Section titles (e.g. <b>SECTION 1 – CONTACT INFORMATION</b> ) are NOT to be read aloud to respondents. 'Bridging' sentences are provided as appropriate at the beginning of each new section or set of questions to introduce the section to respondents. <u>Subheadings</u> are bolded ar underlined and, <u>sub-subheadings</u> are underlined.

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	Housing History	

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12       Interview Date       D       D       -       M       M       -       Y       Y       Y         14       14       -       -       M       M       -       Y       Y       Y         14       -       Interviewer Initials	
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15 Interviewer Initials   16   17   18   19   20   21   22   21   22   23   24   25   26	Y
16       Image: Constraint of the second secon	
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<ul> <li>49</li> <li>50</li> <li>51</li> <li>52</li> <li>53</li> <li>54</li> <li>55</li> <li>56</li> <li>57</li> </ul>	
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#### **Introduction**

<u>Interviewer</u>: If <u>baseline</u> interview say: We will now begin the main survey. This first set of questions will help us get to know you better. Remember that this survey is voluntary, and you do not have to answer any questions you do not want to. If you feel uncomfortable at any time during this interview, you can skip a question, or stop the interview.

If this is a *follow-up* interview, *skip to 2.4*. Questions 1.1 to 2.3 are <u>only asked at baseline</u>.

#### **SECTION 1 – DEMOGRAPHIC INFORMATION**

1.1	What is your gender? Do you identify as:				
	O Male			0	Refused
	O Female			$\bigcirc$	Don't know
	O Non-Binary, Gender Queer, Agender, or a Similar Identity				
	O Two-Spirit				
	O Other (Please specify)				
1.2	What was your assigned sex at birth?				
	O Male			0	Refused
	O Female			$\bigcirc$	Don't know
	• Other (Please specify)				
1.3	Were you born in Canada?				
	• Yes (Skip to 1.5)	0	Refused	l (Ski	ip to 1.4)
	O No			-	(Skip to 1.4)
1.3a	Interviewer: Ask this question if answered, "No" to 1.3. Otherwise, <b>skip to 1.5</b> if Ref/DK selected for 1.3.	"Yes	" to 1.3 o	r, <b>go</b>	<b>to 1.4</b> if
1.3a			″ to 1.3 o	r, <b>go</b>	<b>o to 1.4</b> if
1.3a	Ref/DK selected for 1.3.		″ to 1.3 o	r, <b>go</b>	<b>o to 1.4</b> if
1.3a	<i>Ref/DK selected for 1.3.</i> What year <u>or</u> how many years ago did you arrive in Canada? An estimate is fir		" to 1.3 o		<b>to 1.4</b> if Refused
1.3a	Ref/DK selected for 1.3. What year <u>or</u> how many years ago did you arrive in Canada? An estimate is fir <u>Interviewer</u> : Record year <u>or</u> years ago.		″ to 1.3 o	0	Refused
1.3a 1.4	Ref/DK selected for 1.3.         What year or how many years ago did you arrive in Canada? An estimate is fir         Interviewer: Record year or years ago.         Arrived in year		" to 1.3 o	0	Refused
	Ref/DK selected for 1.3.         What year or how many years ago did you arrive in Canada? An estimate is fin         Interviewer: Record year or years ago.         Arrived in year       Y       Y       Y         Arrived in years ago       #       #		" to 1.3 o	0	Refused
	Ref/DK selected for 1.3.         What year or how many years ago did you arrive in Canada? An estimate is fin         Interviewer: Record year or years ago.         Arrived in year         Y       Y         Arrived in years ago         #         What is your current status in Canada?		" to 1.3 o	0	Refused Don't know
	Ref/DK selected for 1.3.         What year or how many years ago did you arrive in Canada? An estimate is fin         Interviewer: Record year or years ago.         Arrived in year         Y       Y         Arrived in years ago         #         What is your current status in Canada?         O		" to 1.3 o	0	Refused Don't know Refused
	Ref/DK selected for 1.3.         What year or how many years ago did you arrive in Canada? An estimate is fin         Interviewer: Record year or years ago.         Arrived in year         Y       Y         Arrived in years ago         #         What is your current status in Canada?         O         Citizen         O         Landed Immigrant		" to 1.3 o	0	Refused Don't know Refused

1.5	We know that people of different races do not have significantly different genetics. But o important consequences, including how we are treated by different individuals and instit category best describes you?		
	Interviewer: Do not read list. If more than one race/mixed, go to 1.5a. All others, skip to 1.6	5.	
	<ul> <li>White (examples: English, Greek, Italian, Portuguese, Russian, Slovakian)</li> <li>Black (examples: African, African-Canadian descent, Afro-Caribbean)</li> <li>Indigenous (First Nations, Métis, Inuit)</li> <li>Arab, Middle Eastern or West Asian (examples: Afghan, Armenian, Iranian, Lebanese, Persian, Turkish)</li> <li>Latin American (examples: Brazilian, Colombian, Cuban, Mexican, Peruvian)</li> <li>East/Southeast Asian (examples: Chinese, Japanese, Korean, Filipino, Malaysian, Singaporean, Thai, Vietnamese)</li> <li>South Asian or Indo-Caribbean (examples: Indian, Indo-Guyanese, Indo-Trinidadian, Pakistani, Sri Lankan, Bangladeshi)</li> <li>More than one race category or mixed race (Go to 1.5a)</li> <li>Not listed (Please specify)</li> </ul>		Refused Don't know
1.5a	Interviewer: Ask this question if answered, "More than one race category or mixed race" to to 1.6. Which race categories best describe you? Interviewer: Select all that apply	1.5. 0	therwise, <b>go</b>
	<ul> <li>White</li> <li>Black</li> <li>Indigenous</li> <li>Arab, Middle Eastern or West Asian</li> <li>Latin American</li> <li>East/Southeast Asian</li> <li>South Asian or Indo-Caribbean</li> <li>Other (Please specify)</li></ul>	0	Refused Don't know
1.6	Do you identify as First Nations, Métis and/or Inuk/Inuit?		
	<ul> <li>Yes</li> <li>No (Skip to 1.7)</li> <li>Refus</li> <li>Don't</li> </ul>	-	ip to 1.7) (Skip to 1.7)
1.6a	Interviewer: Ask this question if answered, "Yes" to 1.6. Otherwise, go to 1.7. Do you identify as: First Nations Inuit Métis Not listed (Please specify)		Refused Don't know
1.7	<ul> <li>What is the <u>highest</u> level of education you have completed?</li> <li>Have not completed High School</li> <li>High School or Secondary School</li> <li>Vocational/Technical School</li> <li>College/University</li> <li>Graduate/Professional School</li> <li>Other (Please specify)</li></ul>	0	Refused Don't know

# **SECTION 2 – HEALTH**

2.1	Have you ever been <u>diagnosed</u> by a physician with any of the following chronic medical conditions?	Yes	No	Ref	DK
A	Hypertension (high blood pressure)	1	2	-2	-3
В	Diabetes	1	2	-2	-3
С	Asthma	1	2	-2	-3
D	Chronic Lung Disease (such as chronic obstructive pulmonary disease, emphysema, or chronic bronchitis)	1	2	-2	-3
E	Chronic Heart Disease (such as heart attack, heart failure, or coronary artery disease)	1	2	-2	-3
F	Stroke	1	2	-2	-3
G	Chronic Kidney Disease	1	2	-2	-3
Н	Chronic Neurological Disorder	1	2	-2	-3
I	Liver Disease	1	2	-2	-3
J	Cancer	1	2	-2	-3
К	HIV/AIDS	1	2	-2	-3
L	Immune Suppressed (other than HIV/AIDS)	1	2	-2	-3
М	Sickle Cell Disease	1	2	-2	-3
2.2	What is your current weight? An estimate is fine.         Interviewer: Record in kilograms or pounds.         #       #         #       #         Kg       #         #       #         Lbs			Refuse Don't k	
2.3	What is your <u>current</u> height? An estimate is fine. <u>Interviewer</u> : Record in meters <u>or</u> feet and inches. Record full inches only - round up/down	n to ne		<i>inch.</i> Refuse	d
	# . # # # m. # # ft. # # in.		0	Don't k	now

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#### **BMJ** Open

<u>Interviewer</u>: If this is a <u>follow-up</u> interview, start here and say: We will now begin the follow-up survey. Many of these questions will be similar to what we asked you during our first interview. Remember that this survey is voluntary, and you do not have to answer any questions you do not want to. If you feel uncomfortable at any time during this interview, you can skip a question, or stop the interview. I will start by asking about your health.

2.4	Have you ree	ceived the flu sho	ot <u>this fall or winter</u> (Octob	er 2021 or later)?		
	O Yes	O No			0	Refused
					0	Don't kno
2.5	-	noked tobacco sin nterview Informat		ine)/ <b>since [DATE]</b> (if follow	-up, insert last	interview
	O Yes	• No (Skip to	2.6)	0	Refused <b>(Sk</b> i	
				0	Don't know	(Skip to 2.0
2.5a	Interviewer:	Ask this question	if answered "Yes" to 2.5. O	therwise, <b>go to 2.6</b> .		
	How <u>often</u> d	lo you smoke tob	acco?			
	O Daily	• Less than d	laily		0	Refused
		-			0	Don't kno
2.6	-		arettes since March 1, 202 / Information' printout)?	20 (if baseline)/since [DATE	] (if follow-up,	insert last
	O Yes	O No (Skip to	2.7)	0		
				0	Don't know	(Skip to 2.
2.6a	Interviewer:	Ask this question	if answered "Yes" to 2.6. O	therwise, <b>go to 2.7</b> .		
	How <u>often</u> d	lo you vape or use	e e-cigarettes?			
	O Daily	• Less than d	laily		0	Refused
				4	0	Don't kno
2.7		•	nk containing alcohol since from 'Interview Information	e March 1, 2020 (if baseline a' printout)?	e)/since [DATE	<b>]</b> (if follow
	Interviewer:	Read all options b	pefore asking participant to	select an option.		
	O Never		O 2 to 3 times a week		0	Refused
	() Monthly	/ or less	• O 4 or more times a w	eek	0	Don't kno

	-	times since March 1, 2020 (if base Information' printout) have you use asons?				•
		: If asked to clarify the meaning of	"nonmedical reasons" say: For	instan	ce, because of	the
	-	e <b>or feeling it caused</b> . clarify the meaning of "illegal drug"	' say: For instance, drugs boug	t on t	he street, not	including
	-	e <u>not</u> used then, enter "0".				
	# of times	# # #				Refused Don't know
CTIO!	N 3 – EXPER	IENCE WITH COVID-19				
r the r	next few ques	stions, I want to ask you about you	r experience with COVID-19.			
3.1	If <u>baseline</u> s	<i>say:</i> Have you <u>ever</u> been tested for	COVID-19?			
	lf <u>follow-up</u> Information	say: Have you been tested for COV n' printout)?	/ID-19 since [DATE] (insert las	t interv	iew date from	<i>'Interview</i>
	O Yes	• No (Skip to 3.2)	6	0	Refused <b>(Skip</b> Don't know <b>(</b> S	-
3.1a		: Ask this question if answered, "Yes ected for 3.1.	s" to 3.1. Otherwise, <b>skip to 3.</b> 2	<b>2</b> if "No	o″ to 3.1 or <b>ski</b> µ	<b>o to 3.1f</b> if
	If <u>follow-up</u>	<i>say:</i> Have you <u>ever</u> been told by a h say: Since [DATE] (insert last intervealthcare provider that you tested	view date from 'Interview Infor	-		
				~	Refused (Skip	
	O Yes	• No (Skip to 3.1e3)		0	Don't know (	-
3.1b	O Yes	• No (Skip to 3.1e3)	s" to 3.1a. Otherwise, <b>skip to 3</b>	0	Don't know (	Skip to 3.1e3
3.1b	• Yes Interviewer. 3.1a.		1	0	Don't know (	Skip to 3.1e3)
3.1b	• Yes <u>Interviewer</u> 3.1a. If <u>baseline</u> s If <u>follow-up</u>	: Ask this question if answered, "Ye	ou have?	.1e3 if	Don't know (	Skip to 3.1e3
3.1b	• Yes <u>Interviewer</u> 3.1a. If <u>baseline</u> s If <u>follow-up</u> <b>positive tes</b>	: Ask this question if answered, "Yes say: <b>How many positive tests did y</b> o say: <b>Since [DATE]</b> (insert last interv	ou have? view date from 'Interview Infor	.1e3 if	Don't know (	Skip to 3.1e3
3.1b	• Yes <u>Interviewer</u> 3.1a. If <u>baseline</u> s If <u>follow-up</u> <b>positive tes</b>	: Ask this question if answered, "Yes say: <b>How many positive tests did yo</b> say: <b>Since [DATE]</b> (insert last interv <b>sts did you have?</b> ord up to 3 positive tests. Record tes	ou have? view date from 'Interview Infor	.1e3 if mation w.	Don't know (	Skip to 3.1e3 s selected for w many p to 3.1e3)
3.1b	• Yes <u>Interviewer</u> 3.1a. If <u>baseline</u> s If <u>follow-up</u> <b>positive tes</b> We will reco	: Ask this question if answered, "Yes say: <b>How many positive tests did yo</b> say: <b>Since [DATE]</b> (insert last interv <b>sts did you have?</b> ord up to 3 positive tests. Record tes	ou have? view date from 'Interview Infor	.1e3 if mation w.	Don't know ( "No"/Ref/DK i o' printout), ho Refused (Ski	Skip to 3.1e3 s selected for w many p to 3.1e3)
3.1b	• Yes <u>Interviewer</u> 3.1a. If <u>baseline</u> s If <u>follow-up</u> <b>positive tes</b> We will reco	: Ask this question if answered, "Yes say: <b>How many positive tests did yo</b> say: <b>Since [DATE]</b> (insert last interv <b>sts did you have?</b> ord up to 3 positive tests. Record tes	ou have? view date from 'Interview Infor	.1e3 if mation w.	Don't know ( "No"/Ref/DK i o' printout), ho Refused (Ski	Skip to 3.1e3 s selected for w many p to 3.1e3)
3.1b	• Yes <u>Interviewer</u> 3.1a. If <u>baseline</u> s If <u>follow-up</u> <b>positive tes</b> We will reco	: Ask this question if answered, "Yes say: <b>How many positive tests did yo</b> say: <b>Since [DATE]</b> (insert last interv <b>sts did you have?</b> ord up to 3 positive tests. Record tes	ou have? view date from 'Interview Infor	.1e3 if mation w.	Don't know ( "No"/Ref/DK i o' printout), ho Refused (Ski	Skip to 3.1e3 s selected for w many p to 3.1e3)

Positive Test 1 - Interviewer: Ask thes	e questions if participant had	d a first nositive test	Otherwise skin to 3.1e3
	, questions ij purticipunt nut	a a jii si positive test.	Otherwise, <b>Skip to 3.103</b> .

3.1c	What was the date of <u>or</u> how long ago was this positive test?		
	<u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. If date is not date field blank and then fill out how long ago. If filling out how long ago, any fields that a have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).		
	Date D D - M M M - Y Y Y OR	0	Refused
	Days ago # # # Weeks ago # # # Months ago # # #	0	Don't kr
3.1c1	Where did you have the positive test done? (e.g., shelter name, COVID Assessment Cent Department name; encampment site location)	re name	e, Emerg
		0	Refused
		- 0	Don't kr
3.1c2	Where were you staying the night before you had the positive test?	Q	Refused
		- 0	Don't kr
ositive T	est 2 - Interviewer: Ask these questions if participant had a second positive test. Otherwise,	skip to	<b>3.1e3</b> .
3.1d	What was the date of <u>or</u> how long ago was this positive test?		
	<u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. If date is not date field blank and then fill out how long ago. If filling out how long ago, any fields that a have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date $  D   D   -   M   M   M   -   Y   Y   OR$		
	Days ago # # # Weeks ago # # # Months ago # # #	0	
3.1d1	Days ago       #       #       #       Months ago       #       #       #         Where did you have the positive test done? (e.g., shelter name, COVID Assessment Cent	re name	Don't kr
3.1d1	Days ago # # # Weeks ago # # # Months ago # # #	re name	Don't kr
3.1d1	Days ago       #       #       #       Months ago       #       #       #         Where did you have the positive test done? (e.g., shelter name, COVID Assessment Cent	re name	Don't kr e, Emerge
3.1d1 3.1d2	Days ago    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    #    # <t< td=""><td></td><td>Don't kr e, Emerg Refused Don't kr</td></t<>		Don't kr e, Emerg Refused Don't kr
	Days ago       #       #       #       #       Months ago       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #	re name	Don't kr e, Emerg Refused
3.1d2	Days ago # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # <td>- 0</td> <td>Don't ki e, Emerg Refused Don't ki Refused Don't ki</td>	- 0	Don't ki e, Emerg Refused Don't ki Refused Don't ki
3.1d2	Days ago       #       #       #       #       Months ago       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #	- 0	Don't ki e, Emerg Refusec Don't ki Refusec Don't ki
3.1d2	Days ago       #       #       #       Months ago       #       #       #         Where did you have the positive test done? (e.g., shelter name, COVID Assessment Cent         Department name; encampment site location)         Where were you staying the night before you had the positive test?         Where were you staying the night before you had the positive test?         What was the date of or how long ago was this positive test?         Interviewer: Record date if known and leave the "how long ago fields" blank. If date is not date field blank and then fill out how long ago. If filling out how long ago, any fields that a	known,	Don't kr e, Emerg Refused Don't kr Don't kr 1e3. leave the
3.1d2	Days ago       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #<	known,	Don't kr e, Emerg Refused Don't kr Don't kr 1e3. leave the

	Where did you have the positive test done? (e.g., shelter name, COVID Asse Department name; encampment site location)	essment Centre name, Emerg
		• Refused
		🗌 🔾 Don't ki
3.1e2	Where were you staying the night before you had the positive test?	
		O Refused
		🔾 🔾 Don't ki
3.1e3	Since [DATE] (insert last interview date from 'Interview Information' printout, antigen test for COVID-19? This includes a positive rapid antigen test done l person, or one you did yourself. This doesn't include a positive test done by	by shelter staff, other staff
	• Yes • No (Skip to 3.1f if "Yes" to 3.1a OR 3.2 if "No" to 3.1a)	<ul> <li>O Refused (Skip to 3.1f)</li> <li>O Don't know (Skip to 3</li> </ul>
3.1e4	<u>Interviewer</u> : Ask this question if answered, "Yes" to 3.1e3. Otherwise, <b>skip to</b> if Ref/DK selected for 3.1e3.	<b>3.2</b> if "No" to 3.1e3 or <b>skip to</b>
	Since [DATE] (insert last interview date from 'Interview Information' printout, antigen tests did you have?	), how many positive rapid
	We will record up to 3 positive rapid antigen tests. Record tests from newest	to oldest below.
		O Refused (Skip to 3.1f
	# of positive rapid antigen tests #	O Don't know (Skip to 3
	e, skip to 3.1f.	positive rapid antigen test.
therwis	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any	If date is not known, leave the
therwis	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).	If date is not known, leave the fields that aren't used should
therwis	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any	If date is not known, leave the
therwis	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).	If date is not known, leave the r fields that aren't used should O Refused
3.1e5	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date DDD-MMM-YYYYYOR	If date is not known, leave the fields that aren't used should Refused Don't kn #
3.1e5	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y OR Days ago # # # Weeks ago # # # Months ago # # Rapid Antigen Test 2 - <u>Interviewer</u> : Ask these questions if participant had a seco e, skip to 3.1f.	If date is not known, leave the fields that aren't used should Refused Don't kn #
3.1e5 3.sitive F	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y OR Days ago <u>#</u> # # Weeks ago <u>#</u> # Months ago <u>#</u> # Rapid Antigen Test 2 - <u>Interviewer</u> : Ask these questions if participant had a seco e, skip to 3.1f.	If date is not known, leave the fields that aren't used should Refused Don't known positive rapid antigen test If date is not known, leave the
3.1e5 3.sitive F	e, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? <u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D O - M M M - Y Y Y OR Days ago <u>#</u> <u>#</u> <u>#</u> Weeks ago <u>#</u> <u>#</u> <u>#</u> Months ago <u>#</u> <u>#</u> Rapid Antigen Test 2 - Interviewer: Ask these questions if participant had a secce, skip to 3.1f. What was the date of <u>or</u> how long ago was this positive rapid antigen test? Interviewer: Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have the field blank and then fill out how long ago. If filling out how long ago, any have field blank and then fill out how long ago. If filling out how long ago, any have field blank and then fill out how long ago. If filling out how long ago, any have field blank and then fill out how long ago. If filling out how long ago, any have field blank and then fill out how long ago. If filling out how long ago, any have field blank and then fill out how long ago.	If date is not known, leave the fields that aren't used should Refused Don't known If date is not known, leave the fields that aren't used should Refused Refused
3.1e5 3.sitive F	e, skip to 3.1f. What was the date of or how long ago was this positive rapid antigen test? Interviewer: Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y OR Days ago # # # Weeks ago # # # Months ago # # Rapid Antigen Test 2 - Interviewer: Ask these questions if participant had a secce, skip to 3.1f. What was the date of or how long ago was this positive rapid antigen test? Interviewer: Record date if known and leave the "how long ago fields" blank. date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).	If date is not known, leave the fields that aren't used should Refused Don't k and positive rapid antigen test If date is not known, leave the fields that aren't used should Refused
3.1e5 3.sitive F	e, skip to 3.1f.         What was the date of or how long ago was this positive rapid antigen test?         Interviewer:       Record date if known and leave the "how long ago fields" blank.         date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).         Date       D         Date       Repid Antigen Test 2 - Interviewer: Ask these questions if participant had a second e, skip to 3.1f.         What was the date of or how long ago was this positive rapid antigen test?         Interviewer:       Record date if known and leave the "how long ago fields" blank.         date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).         Date       D       M       Y       Y	If date is not known, leave the fields that aren't used should Refused Don't known, leave the fields that aren't used should
3.1e5 3.sitive F	e, skip to 3.1f.         What was the date of or how long ago was this positive rapid antigen test?         Interviewer:       Record date if known and leave the "how long ago fields" blank.         date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).         Date       D         Date       Repid Antigen Test 2 - Interviewer: Ask these questions if participant had a second e, skip to 3.1f.         What was the date of or how long ago was this positive rapid antigen test?         Interviewer:       Record date if known and leave the "how long ago fields" blank.         date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).         Date       D       M       Y       Y	If date is not known, leave the fields that aren't used should Refused Don't known If date is not known, leave the fields that aren't used should Refused Refused
3.1e5 3.1e5 bsitive F therwis 3.1e6	e, skip to 3.1f.         What was the date of or how long ago was this positive rapid antigen test?         Interviewer:       Record date if known and leave the "how long ago fields" blank.         date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).         Date       D         Date       Repid Antigen Test 2 - Interviewer: Ask these questions if participant had a second e, skip to 3.1f.         What was the date of or how long ago was this positive rapid antigen test?         Interviewer:       Record date if known and leave the "how long ago fields" blank.         date field blank and then fill out how long ago. If filling out how long ago, any have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).         Date       D       M       Y       Y	If date is not known, leave the fields that aren't used should Refused Don't known If date is not known, leave the fields that aren't used should Refused Refused

3.1e7	What was the date of <u>or</u> how long ago was this positive rapid antigen test?	
	<u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. If date is no date field blank and then fill out how long ago. If filling out how long ago, any fields that have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).	
	Date D D - M M M - Y Y Y OR	O Refused
	Days ago # # # Weeks ago # # # Months ago # # #	○ Don't k
3.1f	<u>Interviewer</u> : Ask this question if answered, Ref or DK to 3.1 OR "Yes", Ref or DK to either . Otherwise, <b>skip to 3.2</b> .	3.1a OR 3.1e3.
	If <u>baseline</u> say: Have you ever been hospitalized for COVID-19?	
	If <u>follow-up</u> say: <b>Since [DATE]</b> (insert last interview date from 'Interview Information' prin hospitalized for COVID-19?	ntout), <b>have you b</b>
		used <b>(Skip to 3.2)</b> 't know <b>(Skip to 3</b>
3.1g	Interviewer: Ask this question if answered, "Yes" to 3.1f. Otherwise, skip to 3.2.	
3.1g	Interviewer: Ask this question if answered, "Yes" to 3.1f. Otherwise, skip to 3.2. What were the dates of <u>or</u> how long ago were you hospitalized for COVID-19? And who hospitalized?	ere were you
3.1g	What were the dates of <u>or</u> how long ago were you hospitalized for COVID-19? And whe hospitalized? <u>Interviewer</u> : Record hospitalizations from newest to oldest. Record date if known and lea fields" blank. If date is not known, leave the date field blank and then fill out how long ag long ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ag	ve the "how long o o. If filling out ho
3.1g	What were the dates of <u>or</u> how long ago were you hospitalized for COVID-19? And whe hospitalized? <u>Interviewer</u> : Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago	ve the "how long o o. If filling out ho
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And whe hospitalized?         Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago long ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital.	ve the "how long of the filling out how of the filling out how of the filling out how of the filling of the fil
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And when hospitalized?         Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago long ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital.         First Hospitalization:	ve the "how long o go. If filling out how go: 0, Months ago:
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And when hospitalized?         Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital.         First Hospitalization:         Date       D       -       M       M       -       Y       Y       Y       OR	ve the "how long of the filling out how of the filling out how of the filling out how of the filling of the fil
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And when hospitalized?         Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital.         First Hospitalization:         Date       D       -       M       M       -       Y       Y       Y       OR         Days ago       #       #       Weeks ago       #       #       Months ago       #       #       #	ve the "how long of the filling out how of the filling out how of the filling out how of the filling of the fil
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And who hospitalized?         Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago long ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital.         First Hospitalization:       Date       D       -       M       M       -       Y       Y       Y       OR         Days ago       #       #       #       Months ago       #       #       #         Hospital	ve the "how long of go. If filling out how to: 0, Months ago: Refused Don't k
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And who hospitalized?         Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago long ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital.         First Hospitalization:       Date       D       -       M       M       -       Y       Y       Y       OR         Days ago       #       #       #       Weeks ago       #       #       #       #       #         Second Hospitalization:       D       -       M       M       -       Y       Y       Y       OR         Days ago       #       #       #       Months ago       #       #       #         Hospitalization:	ve the "how long of to. If filling out how to: 0, Months ago: O Refused O Don't k
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And who hospitalized?         Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago long ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital.         First Hospitalization:       Date       D       -       M       M       -       Y       Y       Y       OR         Days ago       #       #       #       Months ago       #       #       #         Hospital	ve the "how long of to. If filling out how to: 0, Months ago: O Refused O Don't k
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And who hospitalized?         Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital.         First Hospitalization:       Date       D       -       M       M       -       Y       Y       Y       OR         Days ago       #       #       #       Weeks ago       #       #       #       #       #         Hospitalization:	ve the "how long of go. If filling out how to: 0, Months ago: O Refused O Don't k
3.1g	What were the dates of or how long ago were you hospitalized for COVID-19? And who hospitalized?         Interviewer: Record hospitalizations from newest to oldest. Record date if known and lead fields" blank. If date is not known, leave the date field blank and then fill out how long ago long ago, any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago Don't forget to record the name of the hospital.         First Hospitalization:       Date       D       -       M       M       -       Y       Y       Y       OR         Days ago       #       #       #       Weeks ago       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       #       # <td>ve the "how long of to. If filling out how to: 0, Months ago: O Refused O Don't k</td>	ve the "how long of to. If filling out how to: 0, Months ago: O Refused O Don't k

3.2	If <u>baseline</u> say: Have you ever stayed at a COVID-19 isolation or recovery hotel? If <u>follow-up</u> say: Have you stayed at a COVID-19 isolation or recovery hotel since [DATE] (insert last interview							
	date from 'Interview Information' printout)?							
	These are sites where people stay if they are positive for COVID-19 or were a close cor COVID-19.	ntact of someone wi						
	<u>Interviewer</u> : Probe to ensure they stayed at the following eligible site during the specified time: -Four Points in Etobicoke (April 2020 to Present)							
	· · ·	fused <b>(Skip to 3.3)</b> on't know <b>(Skip to 3.</b> 3						
3.2a	Interviewer: Ask this question if answered, "Yes" to 3.2. Otherwise, go to 3.3.							
	What were the dates of <u>or</u> how long ago were these stays?							
	<u>Interviewer</u> : Record stays from newest to oldest. Record date if known and leave the "ho blank. If date is not known, leave the date field blank and then fill out how long ago. If fi any fields that aren't used should have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Mon First Stay:	lling out how long ag						
	Date D D - M M M P Y Y Y OR	O Refused						
	Days ago # # # Weeks ago # # # Months ago # # #	O Don't know						
	Second Stay:							
	Date D D - M M M - Y X Y OR	O Refused						
	Days ago # # # Weeks ago # # # Months ago # # #	○ Don't kno						
	Third Stay:							
	Date D D - M M M - Y Y Y OR	O Refused						
	Days ago # # # Weeks ago # # # Months ago # # #	O Don't know						
3.3	On average, every day: how many people were you in close contact with (for more that than 2 metres apart) inside your living space since March 1, 2020 (if baseline)/since [Due insert last interview date from 'Interview Information' printout)?							
	O Nobody O 5 to 10 people	O Refused						
	O 1 person O 11 to 20 people	O Don't know						
	O2 to 4 peopleO20+ people							
3.4	On average, every day: how many people were you in close contact with (for more than 15 minutes and I than 2 metres apart) <u>outside</u> your living space since March 1, 2020 (if baseline)/since [DATE] (if follow-up, insert last interview date from 'Interview Information' printout)?							
	O Nobody O 5 to 10 people	O Refused						
	O 1 person O 11 to 20 people	🔾 Don't kno						
	O 2 to 4 people O 20+ people							

	How many people was that?						
	Interviewer: If they haven't had direct contacts, enter	er "0	" and then <b>skip to 3.12</b> .				
					efused <b>(S</b>	-	
	# of people # # #		(	<b>)</b> D	on't knov	N (	Skip to
3.6	Interviewer: Ask this question if had 1 or more conto	acts i	in 3.5. Otherwise, <b>skip to 3</b> .	. <b>12</b> .			
	How many of those [NUMBER] are using shelters o	r do	not have housing?				
	Interviewer: If none, enter "0".						
	# of people # # #						Refuse Don't
3.7	Can you list the first names or give each person a n	ickn	ame and answer some qu	estio	ons about	: tł	nem?
	Interviewer: Record up to 5 names/nicknames.						
	1 4		(	C R	efused <b>(S</b>	ki	o to 3.:
	1.     4.       2.     5.       3.		(	D	on't knov	N (	Skip to
	3.						
3.7a	About how old is [NAME/NICKNAME]?						
3.7a	O       19 and under       O       40-49       O         O       20-29       O       50-59       O	70- 80 a	79 and older		_		
	O       19 and under       O       40-49       O         O       20-29       O       50-59       O         O       30-39       O       60-69       O	80 8			_		
3.7a 3.7b	O       19 and under       O       40-49       O         O       20-29       O       50-59       O	80 8			_		
	<ul> <li>19 and under</li> <li>40-49</li> <li>20-29</li> <li>50-59</li> <li>30-39</li> <li>60-69</li> </ul> What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter	80 8	and older A family member		(		Don't
	<ul> <li>19 and under</li> <li>40-49</li> <li>20-29</li> <li>50-59</li> <li>30-39</li> <li>60-69</li> </ul> What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter Someone who uses same shelter as me	80 3	A family member Someone I share/use drug	gs wi	(		Don't
	<ul> <li>19 and under</li> <li>40-49</li> <li>20-29</li> <li>50-59</li> <li>30-39</li> <li>60-69</li> </ul> What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. Someone I hang out with outside the shelter	80 8	and older A family member	gs wi	(		Refuse Don't Refuse Don't
	<ul> <li>19 and under</li> <li>40-49</li> <li>20-29</li> <li>50-59</li> <li>30-39</li> <li>60-69</li> </ul> What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. <ul> <li>Someone I hang out with outside the shelter</li> <li>Someone who uses same shelter as me</li> <li>Works at the shelter I use</li> <li>Caseworker/Social worker</li> <li>Someone I work with</li> </ul>	80 8	A family member Someone I share/use drug Someone I drink with	gs wi	(		Don't
3.7b	<ul> <li>19 and under</li> <li>40-49</li> <li>20-29</li> <li>50-59</li> <li>30-39</li> <li>60-69</li> </ul> What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. <ul> <li>Someone I hang out with outside the shelter</li> <li>Someone who uses same shelter as me</li> <li>Works at the shelter I use</li> <li>Caseworker/Social worker</li> <li>Someone I work with</li> <li>A friend</li> </ul>	80 ;	A family member Someone I share/use drug Someone I drink with Other (Please specify)	gs wi	(		Don't
	<ul> <li>19 and under</li> <li>40-49</li> <li>20-29</li> <li>50-59</li> <li>30-39</li> <li>60-69</li> </ul> What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. <ul> <li>Someone I hang out with outside the shelter</li> <li>Someone who uses same shelter as me</li> <li>Works at the shelter I use</li> <li>Caseworker/Social worker</li> <li>Someone I work with</li> <li>A friend</li> </ul> Is [NAME/NICKNAME] underhoused or a client of the shelter of the she	80 ;	A family member Someone I share/use drug Someone I drink with Other (Please specify)	gs wi	( ith	0	Don't Refuse Don't
3.7b	<ul> <li>19 and under</li> <li>40-49</li> <li>20-29</li> <li>50-59</li> <li>30-39</li> <li>60-69</li> </ul> What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. <ul> <li>Someone I hang out with outside the shelter</li> <li>Someone who uses same shelter as me</li> <li>Works at the shelter I use</li> <li>Caseworker/Social worker</li> <li>Someone I work with</li> <li>A friend</li> </ul>	80 ;	A family member Someone I share/use drug Someone I drink with Other (Please specify)	gs wi	( ith		Don't

4

6

3.7d	When you had direct contact with [NAME/NICKNAME] yesterday, did you hav <u>Interviewer</u> : Check all that apply.	/e any:
	<ul> <li>Physical contact (any sort of skin-to-skin contact, like shaking hands)</li> <li>Non-physical contact (did not touch the person)</li> </ul>	<ul> <li>Refused (Skip to 3.76</li> <li>Don't know (Skip to 3)</li> </ul>
3.7d1	<u>Interviewer</u> : Ask this question if answered, "Physical contact" or "Non-physical c to <b>3.7e</b> .	contact" in 3.7d. Otherwise,
	Was this contact:	
	O Outside	• Refused
	O Inside	O Don't k
	O Both outside and inside	
3.7e	Did this person sleep/stay in same unit/room as you last night?	
	O Yes	O Refused
	O No	🔾 Don't k
	O I did not sleep inside last night	
3.7f	When you had direct contact, was the contact wearing a mask at the time?	
	O Yes	O Refused
	O No	O Don't k
3.7g	When you had direct contact, were you wearing a mask at the time?	
	O Yes	O Refused
	O No	🔾 Don't k
ntact 2	- <u>Interviewer</u> : Ask these questions if provided a second contact. Otherwise, <b>skip</b>	to 3.12.
3.8a	About how old is [NAME/NICKNAME]?	
	O 19 and under O 40-49 O 70-79	O Refused
	O         20-29         O         50-59         O         80 and older	🔾 Don't k
	O 30-39 O 60-69	
3.8b	What is [NAME/NICKNAME'S] relationship to you?	
	Interviewer: Check all that apply.	
	Someone I hang out with outside the shelter A family member	O Refused
	□ Someone who uses same shelter as me □ Someone I share/use o	drugs with 🛛 🔾 Don't k
	UWorks at the shelter I useSomeone I drink with	
	Caseworker/Social worker Other (Please specify)	
	<ul> <li>Someone I work with</li> <li>A friend</li> </ul>	
	A friend	
	Is [NAME/NICKNAME] underhoused or a client of the shelters?	_
3.8c		
3.8c	O Yes	
3.8c	O Yes O No	<ul><li>Refused</li><li>Don't k</li></ul>
3.8c		

3.8d1 3.8d1 3.8d1 W 3.8e 3.8e 3.8f 3.8f 3.8g 3.8g 0 0 0 0 0 0 0 0 0 0	Non-physical contact (did not t <u>terviewer</u> : Ask this question if ansu- <b>3.8</b> e. <b>as this contact:</b> Outside Inside Both outside and inside <b>d this person sleep/stay in same</b> Yes No I did not sleep inside last night <b>hen you had direct contact, was</b> Yes No <b>hen you had direct contact, were</b> Yes	ouch the person wered, "Physica unit/room as ye the contact wea	n) / cont	tact" or "Non-physical o st night? a mask at the time?	0	Don't	sed (Ski t know 3.7d. Or 0 0	(Skip to
3.8d1 3.8d1 W 3.8e 3.8e 3.8e 3.8f 3.8f 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.8g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9g 3.9	Non-physical contact (did not t <u>terviewer</u> : Ask this question if ansu- <b>3.8</b> e. <b>as this contact:</b> Outside Inside Both outside and inside <b>d this person sleep/stay in same</b> Yes No I did not sleep inside last night <b>hen you had direct contact, was t</b> Yes No <b>hen you had direct contact, were</b> Yes No	ouch the person wered, "Physica unit/room as ye the contact wea	n) / cont	tact" or "Non-physical o st night? a mask at the time?	0	Don't	t know	Refus Don't Refus Don't Refus
to         W         W         Sale	3.8e. as this contact: Outside Inside Both outside and inside d this person sleep/stay in same Yes No I did not sleep inside last night hen you had direct contact, was the Yes No hen you had direct contact, were Yes No	unit/room as you	ou las	st night? a mask at the time?	conta	act" in 3	3.7d. Oi	Refus Don't Refus Don't Refus
3.8e Di 3.8e Di 3.8f W 3.8f W 3.8g W 3.8g W 3.8g W 3.9a At 0 0	Outside Inside Both outside and inside d this person sleep/stay in same Yes No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	the contact wea	aring	a mask at the time?				Don't Refus Don't Refus
3.8e Di 3.8e Di 3.8f W 3.8f W 3.8g W 3.8g W 3.8g W 3.9a At 0	Outside Inside Both outside and inside d this person sleep/stay in same Yes No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	the contact wea	aring	a mask at the time?			0 0 0 0	Don't Refus Don't Refus
3.8e Di 3.8e Di 3.8f W 3.8f W 3.8g W 3.8g W 3.8g V 0 3.8g V 0 3.8g V 0 0 0 0 0 0 0 0 0 0 0 0 0	Inside Both outside and inside d this person sleep/stay in same Yes No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	the contact wea	aring	a mask at the time?			0	Don't Refus Don't Refus
3.8e Di 3.8e Di 3.8f W 3.8f W 3.8g W 3.8g W 3.8g V 3.8g V 3.9a Ak 0	Both outside and inside d this person sleep/stay in same Yes No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	the contact wea	aring	a mask at the time?			0	Don't Refus
3.8f W 3.8f W 3.8g W 3.8g W 3.9a At 3.9a At	Yes No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	the contact wea	aring	a mask at the time?			0	Don't Refus
3.8f W 3.8f W 3.8g W 3.8g W 3.9a At 3.9a At	No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	Ċ,					0	Don't Refus
3.8f W 3.8f W 3.8g W 3.8g W 3.9a At 3.9a At	No I did not sleep inside last night hen you had direct contact, was Yes No hen you had direct contact, were Yes No	Ċ,					0	Refus
3.8f W 3.8g W 3.8g W 0 3.9a Ak 0 3.9a Ak	hen you had direct contact, was Yes No hen you had direct contact, were Yes No	Ĉ					0	
3.8g W 3.8g W Ontact 3 - 1 3.9a At O	Yes No <b>hen you had direct contact, were</b> Yes No	Ĉ					0	
3.8g W 3.8g W O 0 0 0 0 3.9a At 0 0 0	No <b>hen you had direct contact, were</b> Yes No	e you wearing a	mask	<pre>&lt; at the time?</pre>			0	
3.8g W Ontact 3 - <u>I</u> 3.9a At O	<b>hen you had direct contact, were</b> Yes No	e you wearing a	masł	<pre>&lt; at the time?</pre>			0	Don't
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Yes No	e you wearing a	masł	at the time?				
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No	0						
<u>ontact 3</u> - <u>II</u> 3.9a At							0	Refus
3.9a At O O	nterviewer: Ask these questions if						0	Don't
0		provided a third	l cont	tact. Otherwise, <b>skip to</b>	3.12	) <u>.</u>		
0	out how old is [NAME/NICKNAM	ΛE]?						
	19 and under O 40-49	• •	70-7	79			0	Refus
	20-29 <b>O</b> 50-59		80 a	and older			0	Don't
	30-39 O 60-69	9		· · · · ·				
3.9b W	hat is [NAME/NICKNAME'S] relat	tionship to you						
<u>In</u> :	<u>erviewer</u> : Check all that apply.							
	Someone I hang out with outsid	de the shelter		A family member			0	Refus
				Someone I share/use	drugs	s with	0	Don't
	Works at the shelter I use			Someone I drink with	_			
	Caseworker/Social worker			Other (Please specify)				
							_	
	A friend							
3.9c <b>Is</b>	[NAME/NICKNAME] underhouse	d or a client of	the sl	helters?				
0	Yes						0	Refus
0	No						0	Don't

Physical contact (any sort of skin-to-skin contact, like shaking hands)       Refused (Skip to 3.         Non-physical contact (did not touch the person)       Don't know (Skip to 3.         3.9d1       Interviewer: Ask this question if answered, "Physical contact" or "Non-physical contact" in 3.7d. Otherwise to 3.9e.         Was this contact:       Refus         Outside       Refus         Both outside and inside       Refus         3.9e       Did this person sleep/stay in same unit/room as you last night?         Yes       Refus         No       Don't         About how old is [NAME/NICKNAME]?       Refus         Yes       Yes       Refus         3.10a       About how old is [NAME/NICKNAME]?       Refus         Yors       Someone I hang out with outside the shelter       A family member         Someone I hang out with outside the shelter       Someone I hang out with outside the shelter       Someone I during with         3.10b       What is [NAME/NICKNAME'] relationship to you?       So	3.9d	When you had direct contact with [NAME/NICKNAME] yesterday, did you have a Interviewer: Check all that apply.	any:
Image: Non-physical contact (did not touch the person)       Don't know (Skip to 3.74)         3.9d1       Interviewer: Ask this question if answered, "Physical contact" or "Non-physical contact" in 3.74. Otherwise to 3.9e.         Was this contact:       Outside       Refus         O lutside       Physical contact" or "Non-physical contact" in 3.74. Otherwise to 3.9e.       Refus         Jont       Both outside and inside       Don't         3.9e       Did this person sleep/stay in same unit/room as you last night?       Refus         Yes       Refus       Don't         No       Don't       Don't         Jid this person sleep/stay in same unit/room as you last night?       Refus         Yes       Refus       Don't         No       Don't       Don't         Jid di not sleep inside last night       Don't         3.9f       When you had direct contact, was the contact wearing a mask at the time?       Refus         Yes       Refus       Don't         No       Don't       Don't       Don't         3.9g       When you had direct contact, were you wearing a mask at the time?       Don't         Yes       Refus       Don't       Don't         3.10a       About how old is [NAME/NICKNAME]?       Refus       Don't <td< th=""><th></th><th></th><th></th></td<>			
to 3.9e.         Was this contact:         O Outside         Inside         Both outside and inside         3.9e         Did this person sleep/stay in same unit/room as you last night?         Yes         No         I did not sleep inside last night         3.9f         When you had direct contact, was the contact wearing a mask at the time?         Yes       Refus         No       Don't         3.9g       When you had direct contact, were you wearing a mask at the time?         Yes       Refus         No       Don't         3.9g       When you had direct contact, were you wearing a mask at the time?         Yes       Refus         No       Don't         Intact 4 - Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12.         3.10a       About how old is [NAME/NICKNAME?]         19 and under       40-49       70-79         20-29       50-59       80 and older         3.10b       What is [NAME/NICKNAME'S] relationship to you?       Interviewer: Check all that apply.         Someone I hang out with outside the shelter       A family member       Someone I share/use drugs with         Someone I hang out with outside the shelter			· · ·
<ul> <li>Outside</li> <li>Inside</li> <li>Both outside and inside</li> <li>Both outside and inside</li> <li>Id this person sleep/stay in same unit/room as you last night?</li> <li>Yes</li> <li>No</li> <li>I did not sleep inside last night</li> <li>Yes</li> <li>No</li> <li>Ves</li> <li>No</li> <li>On't</li> <li>Person</li> <li>Refus</li> <li>Don't</li> <li>Refus</li> <li>Don't</li> <li>I did not sleep inside last night</li> <li>I did not sleep inside l</li></ul>	3.9d1		ntact" in 3.7d. Otherwise
Inside       Don't         Both outside and inside       Don't         Both outside and inside       Pid this person sleep/stay in same unit/room as you last night?       Pid this person sleep/stay in same unit/room as you last night?         Yes       No       Don't         I did not sleep inside last night       Don't         Joid No       Pres       Presonce         No       Don't       Don't         Join No       Don't       Don't         Join No       Don't       Don't         Join No       Don't       Don't         Join Under       40-49       70-79         Join Join Join Under       40-49       70-79         Join Join Join Join Join Join Join Join		Was this contact:	
Inside       Don't         Both outside and inside       Don't         Both outside and inside       Pid this person sleep/stay in same unit/room as you last night?       Pid this person sleep/stay in same unit/room as you last night?         Yes       No       Don't         I did not sleep inside last night       Don't         Joid No       Pres       Presonce         No       Don't       Don't         Join No       Don't       Don't         Join No       Don't       Don't         Join No       Don't       Don't         Join Under       40-49       70-79         Join Join Join Under       40-49       70-79         Join Join Join Join Join Join Join Join		Q Outside	O Refuse
3.9e       Did this person sleep/stay in same unit/room as you last night?       Refus         3.9e       Ves       Pes         1 did not sleep inside last night       Pes       Pes         Yes       Refus       Pes         Yes       Refus       Pes         Yes       Refus       Pes         No       Pes       Refus         Yes       Pes       Pers         Yes       Pes       Pers         No       Pes       Pers         No       Pers       Pers         Someon value       About how old is [NAME/NICKNAME]?       Pers         19 and under       40-49       70-79         20-29       50-59       80 and older         3.10b       What is [NAME/NICKNAME'S] relationship to you?         Interviewer: Check all that apply.       Someone I sha			
<ul> <li>Yes</li> <li>No</li> <li>I did not sleep inside last night</li> <li>3.9f</li> <li>When you had direct contact, was the contact wearing a mask at the time?</li> <li>Yes</li> <li>No</li> <li>Refus</li> <li>Don't</li> <li>3.9g</li> <li>When you had direct contact, were you wearing a mask at the time?</li> <li>Yes</li> <li>No</li> <li>Refus</li> <li>Don't</li> <li>3.10a</li> <li>About how old is [NAME/NICKNAME]?</li> <li>Yes</li> <li>Soneone I dink with</li> <li>Caseworker/Social worker</li> <li>Someone I hang out with outside the shelter</li> <li>Someone I hang out with outside the shelter</li> <li>Someone I dink with</li> <li>Caseworker/Social worker</li> <li>Someone I work with</li> <li>A friend</li> <li>Someone I work with</li> <li>A friend</li> <li>Yes</li> <li>Refus</li> <li>Refus</li> <li>Refus</li> <li>Refus</li> <li>Someone I work with</li> <li>Someone I work with</li> <li>Kinder/NickNAME] underhoused or a client of the shelters?</li> <li>Yes</li> <li>Refus</li> </ul>		O Both outside and inside	
○       No       ○       Don't         3.9f       When you had direct contact, was the contact wearing a mask at the time?       ○         ○       Yes       ○       Refus         ○       Yes       ○       Don't         3.9g       When you had direct contact, were you wearing a mask at the time?       ○       Refus         ○       Yes       ○       Refus       ○         ○       Yes       ○       Refus       ○         ○       Yes       ○       Refus       ○         ○       No       ○       Pon't       ○         Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12.       ○       No       ○         3.10a       About how old is [NAME/NICKNAME]?       ○       ○       Pon't       ○         ○       19 and under       ○       40-49       ○       70-79       ○       Refus       ○         ○       19 and under       ○       40-49       ○       70-79       ○       Refus       ○       Don't         3.10b       What is [NAME/NICKNAME'S] relationship to you?       Interviewer: Check all that apply.       Someone I hang out with outside the shelter       □       A family member       ○	3.9e	Did this person sleep/stay in same unit/room as you last night?	
<ul> <li>I did not sleep inside last night</li> <li>When you had direct contact, was the contact wearing a mask at the time?</li> <li>Yes</li> <li>No</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>No</li> <li>Refus</li> <li>Don't</li> <li>Someone I hang out with outside the shelter</li> <li>Someone I work with</li> <li>A friend</li> <li>A friend</li> <li>Yes</li> <li>Yes</li> </ul>		O Yes	O Refuse
3.9f       When you had direct contact, was the contact wearing a mask at the time?       Pers       Perfus         3.9g       When you had direct contact, were you wearing a mask at the time?       Perfus       Perfus         3.9g       When you had direct contact, were you wearing a mask at the time?       Perfus       Perfus         0       Yes       Perfus       Perfus       Perfus         0       Yes       Perfus       Perfus       Perfus         0       No       Perfus       Perfus       Perfus         0       Yes       Perfus       Perfus       Perfus         0       No       Perfus       Perfus       Perfus         10       About how old is [NAME/NICKNAME]?       Perfus       Perfus       Perfus         10       19 and under       40-49       70-79       Perfus       Perfus         10       19 and under       40-49       70-79       Perfus       Perfus       Perfus         10       19 and under       40-49       70-79       Perfus       Perfus       Perfus       Perfus         3.10b       What is [NAME/NICKNAME'S] relationship to you?       Perfus       Perfus       Perfus       Perfus       Perfus       Perfus       Perfus <tr< td=""><td></td><td>O No</td><td>🔾 Don't</td></tr<>		O No	🔾 Don't
O       Yes       O       Refus         3.9g       When you had direct contact, were you wearing a mask at the time?       Don't         O       Yes       Refus       Refus         O       No       Refus       Don't         Intact 4 - Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12.       Refus         3.10a       About how old is [NAME/NICKNAME]?       Refus         O       19 and under       40-49       70-79         O       20-29       50-59       80 and older         O       30-39       60-69       Don't         3.10b       What is [NAME/NICKNAME'S] relationship to you?       Refus         Interviewer: Check all that apply.       Someone I hang out with outside the shelter       A family member       Refus         Someone I hang out with outside the shelter       Someone I share/use drugs with       Don't         Someone I work with       Someone I drink with       Other (Please specify)       Don't         3.10c       Is [NAME/NICKNAME] underhoused or a client of the shelters?       Refus       Refus		O I did not sleep inside last night	
<ul> <li>No</li> <li>Don't</li> <li>3.9g</li> <li>When you had direct contact, were you wearing a mask at the time?</li> <li>Yes</li> <li>No</li> <li>Refus</li> <li>Don't</li> <li>Ontact 4 - Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12.</li> <li>3.10a</li> <li>About how old is [NAME/NICKNAME]?</li> <li>19 and under</li> <li>40-49</li> <li>70-79</li> <li>Refus</li> <li>20-29</li> <li>50-59</li> <li>80 and older</li> <li>Don't</li> <li>3.10b</li> <li>What is [NAME/NICKNAME'S] relationship to you?</li> <li>Interviewer: Check all that apply.</li> <li>Someone I hang out with outside the shelter</li> <li>Someone I hang out with outside the shelter</li> <li>Someone I hang out with</li> <li>Caseworker/Social worker</li> <li>Someone I dirink with</li> <li>Caseworker/Social worker</li> <li>Someone I work with</li> <li>A friend</li> <li>3.10c</li> <li>Is [NAME/NICKNAME] underhoused or a client of the shelters?</li> <li>Yes</li> <li>Refus</li> </ul>	3.9f	When you had direct contact, was the contact wearing a mask at the time?	
3.9g       When you had direct contact, were you wearing a mask at the time?       Refus         . Yes       Don't         . No       Don't         ontact 4 - Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12.       Don't         3.10a       About how old is [NAME/NICKNAME]?       Refus         . 19 and under       40-49       70-79         . 20-29       50-59       80 and older         . 30-39       60-69         3.10b       What is [NAME/NICKNAME'S] relationship to you?         Interviewer: Check all that apply.       Someone I hang out with outside the shelter         . Someone I hang out with outside the shelter       Someone I share/use drugs with         . Works at the shelter I use       Someone I drink with         . Caseworker/Social worker       Other (Please specify)         . Someone I work with       Other (Please specify)         . Someone I work with       Refus         . A friend       Refus		O Yes	○ Refuse
<ul> <li>Yes</li> <li>No</li> <li>Refus</li> <li>Don't</li> <li>Don't</li> <li>About how old is [NAME/NICKNAME]?</li> <li>19 and under</li> <li>40-49</li> <li>70-79</li> <li>Refus</li> <li>20-29</li> <li>50-59</li> <li>80 and older</li> <li>Don't</li> </ul> 3.10b What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply. <ul> <li>Someone I hang out with outside the shelter</li> <li>Someone I share/use drugs with</li> <li>Other (Please specify)</li> <li>Someone I work with</li> <li>A friend</li> </ul>		O No	O Don't
No       Don't         Ontact 4       - Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12.         3.10a       About how old is [NAME/NICKNAME]?         19 and under       40-49       70-79         20-29       50-59       80 and older         3.10b       What is [NAME/NICKNAME'S] relationship to you?       Don't         Interviewer: Check all that apply.       A family member       Refus         Someone I hang out with outside the shelter       Someone I share/use drugs with       Don't         Someone I hang out with outside the shelter       Someone I share/use drugs with       Don't         Someone I hang out with outside the shelter       Someone I share/use drugs with       Don't         Someone I hang out with outside the shelter       Someone I drink with       Don't         Caseworker/Social worker       Other (Please specify)       Don't         Someone I work with       A friend       Other (Please specify)       Refus         3.10c       Is [NAME/NICKNAME] underhoused or a client of the shelters?       Refus       Refus	3.9g	When you had direct contact, were you wearing a mask at the time?	
antact 4 - Interviewer: Ask these questions if provided a fourth contact. Otherwise, skip to 3.12.         3.10a       About how old is [NAME/NICKNAME]?		O Yes	O Refuse
3.10a       About how old is [NAME/NICKNAME]? <ul> <li>19 and under</li> <li>40-49</li> <li>70-79</li> <li>20-29</li> <li>50-59</li> <li>80 and older</li> <li>Don't</li> </ul> 3.10b       What is [NAME/NICKNAME'S] relationship to you? <ul> <li>Interviewer: Check all that apply.</li> <li>Someone I hang out with outside the shelter</li> <li>Someone I drink with</li> <li>Caseworker/Social worker</li> <li>Other (Please specify)</li> <li>Someone I work with</li> <li>A friend</li> </ul> <li>3.10c</li> <li>Is [NAME/NICKNAME] underhoused or a client of the shelters?</li> <li>Yes</li> <li>Refuse</li>		O No	○ Don't
Image: Some one I hang out with outside the shelter       A family member       Refus         Some one I hang out with outside the shelter       Some one I share/use drugs with       Refus         Works at the shelter I use       Some one I drink with       Some one I drink with       Other (Please specify)         3.10c       Is [NAME/NICKNAME] underhoused or a client of the shelters?       Other shelters?       Other shelter	ontact 4	- <u>Interviewer</u> : Ask these questions if provided a fourth contact. Otherwise, <b>skip to 3</b>	3.12.
<ul> <li>20-29 O 50-59 O 80 and older O Don't</li> <li>30-39 O 60-69 O 80 and older O Don't</li> <li>3.10b What is [NAME/NICKNAME'S] relationship to you? Interviewer: Check all that apply.</li> <li>Someone I hang out with outside the shelter Someone I share/use drugs with Someone I share/use drugs with Someone I drink with Someone I drink with Someone I drink with Other (Please specify) Other (Please specify)</li> <li>Someone I work with A friend</li> <li>Is [NAME/NICKNAME] underhoused or a client of the shelters?</li> <li>Yes</li> </ul>	3.10a	About how old is [NAME/NICKNAME]?	
<ul> <li>30-39 O 60-69</li> <li>3.10b What is [NAME/NICKNAME'S] relationship to you? <u>Interviewer</u>: Check all that apply.         <ul> <li>Someone I hang out with outside the shelter</li> <li>Someone Who uses same shelter as me</li> <li>Someone I share/use drugs with</li> <li>Someone I drink with</li> <li>Caseworker/Social worker</li> <li>Someone I work with</li> <li>A friend</li> </ul> </li> <li>3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters?         <ul> <li>Yes</li> <li>Refus</li> <li>Refus</li> <li>Refus</li> <li>Someone I drink with</li> <li>Refus</li> </ul> <ul> <li>Refus</li> <li>Refus</li> <li>Refus</li> <li>Refus</li> <li>Refus</li> </ul> <ul> <li>Refus</li> </ul> <ul> <li>Refus</li> </ul> <ul> <li>Refus</li> <li>Refus</li> </ul> <ul> <li>Refus</li> <li>Refus</li> </ul> <ul> <li>Refus</li> </ul> <ul> <li>Refus</li> <li>Refus</li> <li>Refus</li> <l< td=""><td></td><td>O 19 and under O 40-49 O 70-79</td><td>O Refuse</td></l<></ul></li></ul>		O 19 and under O 40-49 O 70-79	O Refuse
<ul> <li>3.10b What is [NAME/NICKNAME'S] relationship to you?</li> <li>Interviewer: Check all that apply.</li> <li>Someone I hang out with outside the shelter</li> <li>Someone who uses same shelter as me</li> <li>Someone I share/use drugs with</li> <li>Someone I drink with</li> <li>Caseworker/Social worker</li> <li>Someone I work with</li> <li>A friend</li> </ul> 3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? <ul> <li>Yes</li> <li>Refus</li> </ul>			O Don't
Interviewer: Check all that apply. <ul> <li>Someone I hang out with outside the shelter</li> <li>Someone who uses same shelter as me</li> <li>Someone I share/use drugs with</li> <li>Works at the shelter I use</li> <li>Caseworker/Social worker</li> <li>Other (Please specify)</li> <li>Someone I work with</li> <li>A friend</li> <li>Is [NAME/NICKNAME] underhoused or a client of the shelters?</li> <li>Yes</li> <li>Refus</li>         &lt;</ul>		O 30-39 O 60-69	
<ul> <li>Someone I hang out with outside the shelter</li> <li>Someone who uses same shelter as me</li> <li>Someone I share/use drugs with</li> <li>Works at the shelter I use</li> <li>Caseworker/Social worker</li> <li>Other (Please specify)</li> <li>Someone I work with</li> <li>A friend</li> </ul> 3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? Yes Refuse	3.10b	What is [NAME/NICKNAME'S] relationship to you?	
<ul> <li>Someone who uses same shelter as me</li> <li>Someone I share/use drugs with</li> <li>Works at the shelter I use</li> <li>Caseworker/Social worker</li> <li>Someone I drink with</li> <li>Caseworker/Social worker</li> <li>Other (Please specify)</li> <li>Someone I work with</li> <li>A friend</li> <li>A friend</li> <li>Is [NAME/NICKNAME] underhoused or a client of the shelters?</li> <li>Yes</li> </ul>		Interviewer: Check all that apply.	
<ul> <li>Someone who uses same shelter as me</li> <li>Someone I share/use drugs with</li> <li>Works at the shelter I use</li> <li>Caseworker/Social worker</li> <li>Other (Please specify)</li> <li>Someone I work with</li> <li>A friend</li> </ul> 3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? Yes Refuse		Someone I hang out with outside the shelter A family member	O Refuse
<ul> <li>Caseworker/Social worker</li> <li>Someone I work with</li> <li>A friend</li> <li>Other (Please specify)</li> <li>Someone I work with</li> <li>A friend</li> <li>A friend</li> <li>Refus</li> </ul>			igs with 🔾 Don't
<ul> <li>Someone I work with</li> <li>A friend</li> <li>3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters?</li> <li>Yes</li> </ul>		□ Works at the shelter I use □ Someone I drink with	
Image: Constraint of the shelters?         O Yes       O Refus			
3.10c Is [NAME/NICKNAME] underhoused or a client of the shelters? • Yes • Refus			
O Yes O Refus		A friend	
	3.10c	Is [NAME/NICKNAME] underhoused or a client of the shelters?	
O No O Don't			O Refuse
		O No	<ul> <li>Don't</li> </ul>
DVENANT Study – Survey Instrument Version: January 14, 2022	OVENAN	T Study – Survey Instrument Version: January 14, 2022	

I	1		
	O No		Don't
3.11c	Is [NAME/NICKNAME] underhoused or a client of the shelters?	0	Refus
	A friend		
	□ Someone I work with		
	□ Works at the shelter Luse □ Someone I drink with □ Caseworker/Social worker □ Other (Please specify)		
	<ul> <li>Someone who uses same shelter as me</li> <li>Works at the shelter I use</li> <li>Someone I drink with</li> </ul>	$\log with$ O	Don't
	□ Someone I hang out with outside the shelter □ A family member		Refus
~~~~~	Interviewer: Check all that apply.		
3.11b	What is [NAME/NICKNAME'S] relationship to you?		
	O 20-29 O 50-59 O 80 and older O 30-39 O 60-69 O 80 and older	0	Don't
	O 19 and under O 40-49 O 70-79 O 20-29 O 50-59 O 80 and older		Refus
3.11a	About how old is [NAME/NICKNAME]?		
ontact 5	<u>5</u> - <u>Interviewer</u> : Ask these questions if provided a fifth contact. Otherwise, skip to 3.	12.	
	O No		Don't
3.10g	When you had direct contact, were you wearing a mask at the time? • Yes	\bigcirc	Refus
	O No	0	Don't
	O Yes		Refus
3.10f	When you had direct contact, was the contact wearing a mask at the time?		
	O NoO I did not sleep inside last night	0	Don'i
	O Yes		Refus
3.10e	Did this person sleep/stay in same unit/room as you last night?		
	O InsideO Both outside and inside	0	Don't
	O Outside		Refus
	Was this contact:		
3.10d1	<u>Interviewer</u> : Ask this question if answered, "Physical contact" or "Non-physical contoct" or "N	ntact" in 3.7d. Oti	herwis
		Don't know (S	
	<u>Interviewer</u> : Check all that apply. □ Physical contact (any sort of skin-to-skin contact, like shaking hands)	C Refused (Skip	to 3.1

	Interviewer: Check all that apply.	ave any:	
	 Physical contact (any sort of skin-to-skin contact, like shaking hands) Non-physical contact (did not touch the person) 	 Refused (Sk Don't know	ip to 3.11e) (Skip to 3.11e
3.11d1	Interviewer: Ask this question if answered, "Physical contact" or "Non-physical to 3.11e.	l contact" in 3.7d. (Otherwise, go
	Was this contact:		
	O Outside	C	Refused
	O Inside	\subset	Don't know
	• Both outside and inside		
3.11e	Did this person sleep/stay in same unit/room as you last night?		
	O Yes		Refused
	O No	\subset	Don't know
	• I did not sleep inside last night		
3.11f	When you had direct contact, was the contact wearing a mask at the time?		
	O Yes	\subset	Refused
	O No	C	Don't know
3.11g	When you had direct contact, were you wearing a mask at the time?		
	O Yes	C	Refused
	O No		
3.12	• No If <u>baseline</u> say: Have you shared a living space or had close contact with some COVID-19?	eone who tested p	Don't know
3.12	• No If <u>baseline</u> say: Have you shared a living space or had close contact with some	eone who tested p	Don't know
3.12	 No If <u>baseline</u> say: Have you shared a living space or had close contact with some COVID-19? If <u>follow-up</u> say: Have you shared a living space or had close contact with some COVID-19 since [DATE] (insert last interview date from 'Interview Information' 	eone who tested p	Don't know
3.12	 No If <u>baseline</u> say: Have you shared a living space or had close contact with some COVID-19? If <u>follow-up</u> say: Have you shared a living space or had close contact with some COVID-19 since [DATE] (insert last interview date from 'Interview Information' 	eone who tested p	Don't know positive for positive for
3.12 3.12a	 No If <u>baseline</u> say: Have you shared a living space or had close contact with some COVID-19? If <u>follow-up</u> say: Have you shared a living space or had close contact with some COVID-19 since [DATE] (insert last interview date from 'Interview Information' 	eone who tested p	 Don't know Dositive for positive for Refused
	 No If <u>baseline</u> say: Have you shared a living space or had close contact with some COVID-19? If <u>follow-up</u> say: Have you shared a living space or had close contact with some COVID-19 since [DATE] (insert last interview date from 'Interview Information' Yes (Go to 3.12a) O No <u>Interviewer</u>: Ask this question if answered, "Yes" to 3.12. If yes, how long ago did you share a living space or have close contact with some conta	eone who tested p meone who tested ' printout)?	 Don't know Dositive for positive for Refused Don't know
	 No If <u>baseline</u> say: Have you shared a living space or had close contact with some COVID-19? If <u>follow-up</u> say: Have you shared a living space or had close contact with some COVID-19 since [DATE] (insert last interview date from 'Interview Information' O Yes (Go to 3.12a) O No Interviewer: Ask this question if answered, "Yes" to 3.12. 	eone who tested p meone who tested ' printout)?	 Don't know Dositive for positive for Refused Don't know

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ОМ ОU	ne dose received (Skip to 3.13c2) vo doses received (Skip to 3.13e2) ore than two doses received (Skip to 3.15) nvaccinated (Go to 3.13) efused or DK (Go to 3.13)			
3.13	Have you been vaccinated against COVID-19?			
	Interviewer: Select "Yes" if participant has received at least one dose of the COVI	D-19	9 vaccine.	
	O Yes (Go to 3.13a) O No (Skip to 3.14)	0	Refused (Sk i Don't know	ip to 3.14) (Skip to 3.14
3.13a	Interviewer: Ask this question if answered, "Yes" to 3.13. Otherwise, skip to 3.14	! <u>.</u>		
	How many doses of the COVID-19 vaccine have you <u>received</u> so far?			
	• One dose		0	Refused
	O Two doses		0	Don't know
	O More than two doses			
ne dose				
	<u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. If a date field blank and then fill out how long ago. If filling out how long ago, any fie have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).			
	Date D - M M - Y Y Y OR Days ago # # # Weeks ago # # # Months ago # #	#	0	Refused Don't know
3.13c		#	0	Refused Don't know
3.13c	Days ago # # Weeks ago # # Months ago # # Which vaccine did you receive for your first dose? O Pfizer and BioNTech, mRNA vaccine O Pfizer and BioNTech, mRNA vaccine	#	0	Don't know Refused
3.13c	Days ago # # # # Months ago # # Which vaccine did you receive for your first dose?	#	0	Don't knov Refused
wo dose therwis follow- rintout) answei	Days ago # # # Months ago # # Which vaccine did you receive for your first dose? O Pfizer and BioNTech, mRNA vaccine O Moderna, mRNA vaccine O Astra Zeneca/COVISHIELD, viral vector vaccine O Other (Please specify) es - Interviewer: If baseline, skip to 3.13d if answered, "Two doses" or "More than e, do not record a date and select the most appropriate option below for 3.13d and the participant only had one dose at their last interview (refer to the context of the participant only had one dose at their last interview (refer to the context of the participant only had one dose at their last interview (refer to the context of the context of the context on the context of the context on the context	two nd 3 to 'Ir	doses" to 3.1 13f and, skip nterview Infor	Don't know Refused Don't know 3a. to 3.15 . mation'
wo dose therwis follow- rintout) answei ne most	Days ago # # # # Months ago # # Which vaccine did you receive for your first dose? • • Pfizer and BioNTech, mRNA vaccine • • Pfizer and BioNTech, mRNA vaccine • • • • • Moderna, mRNA vaccine • • • • • Astra Zeneca/COVISHIELD, viral vector vaccine • • • • Other (Please specify) • • • • Interviewer: If baseline, skip to 3.13d if answered, "Two doses" or "More than e, do not record a date and select the most appropriate option below for 3.13d ar up, go to 3.13c2 if the participant only had one dose at their last interview (refer to the cord of the cord o	two nd 3 to 'Ir not r	doses" to 3.1 13f and, skip nterview Infor	Don't know Refused Don't know 3a. to 3.15 . mation' and select

3.13d	When did you receive your <u>second</u> dose of the COVID-19 vaccine?	
	<u>Interviewer</u> : Record date if known and leave the "how long ago fields" blank. If date date field blank and then fill out how long ago. If filling out how long ago, any fields have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0).	
	Date D D - M M M - Y Y Y OR	 Only first dose received so far
	Days ago # # # Weeks ago # # # Months ago # # #	 N/A (one-dose vaccine receive Refused Don't know
3.13e	Which vaccine did you receive for your <u>second</u> dose?	
	 Pfizer and BioNTech, mRNA vaccine Moderna, mRNA vaccine Astra Zeneca/COVISHIELD, viral vector vaccine Other (Please specify)	 Refused Don't kit
lore tha	n <u>two doses</u> - <u>Interviewer</u> : If baseline, skip to 3.13f if answered "More than two doses	" to 3.13a. Otherwise,
ot record	d a date and select the most appropriate option below for 3.13f and, skip to 3.15 .	
follow-u	رور go to 3.13e2 if the participant received <u>two</u> doses at their last interview (refer to ا	nterview Information
		•
rintout).		
rintout). answer	ed "More than two doses" to 3.13a. skip to 3.13f. Otherwise, do not record a date and	d select the most
answer	ed "More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and Ite option below for 3.13f and, skip to 3.15 .	l select the most
answer	ed "More than two doses" to 3.13a, skip to 3.13f. Otherwise, do not record a date and te option below for 3.13f and, skip to 3.15 .	d select the most
answer oproprid		l select the most
answer oproprid	te option below for 3.13f and, skip to 3.15 . Have you had a third dose of the COVID-19 vaccine?	
answer oproprid	te option below for 3.13f and, skip to 3.15 . Have you had a third dose of the COVID-19 vaccine?	Refused (Skip to 3.1!
answer oproprid	te option below for 3.13f and, skip to 3.15 . Have you had a third dose of the COVID-19 vaccine?	Refused (Skip to 3.1 5
answerd oproprid 3.13e2	 ate option below for 3.13f and, skip to 3.15. Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) O No (Skip to 3.15) 	Refused (Skip to 3.15
answerd oproprid 3.13e2	ate option below for 3.13f and, skip to 3.15. Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine?	Refused (Skip to 3.15 Don't know (Skip to 3
answerd oproprid 3.13e2	 ate option below for 3.13f and, skip to 3.15. Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date and the second sec	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the
answerd oproprid 3.13e2	 Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date if date field blank and then fill out how long ago. If filling out how long ago, any fields if the second se	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the
answerd oproprid 3.13e2	 ate option below for 3.13f and, skip to 3.15. Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date and the second sec	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the
answerd oproprid 3.13e2	 Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date if date field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). 	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the that aren't used should
answerd oproprid 3.13e2	 Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date if date field blank and then fill out how long ago. If filling out how long ago, any fields if the second se	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the that aren't used should O N/A
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answerd oproprid 3.13e2 3.13f	Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date if adate field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M - Y Y Y OR Days ago # # # # Weeks ago # # # # Which vaccine did you receive for your third dose?	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the that aren't used should O N/A O Refused O Don't kn
answerd oproprid 3.13e2 3.13f	 Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date id date field blank and then fill out how long ago. If filling out how long ago, any fields is have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y Y OR Days ago # # # Weeks ago # # # Months ago # # # Which vaccine did you receive for your third dose? O Pfizer and BioNTech, mRNA vaccine 	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the that aren't used should O N/A O Refused O Don't known
answerd oproprid 3.13e2 3.13f	 Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date id date field blank and then fill out how long ago. If filling out how long ago, any fields have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y OR Days ago # # # Weeks ago # # # Months ago # # # Which vaccine did you receive for your third dose? Pfizer and BioNTech, mRNA vaccine Moderna, mRNA vaccine 	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the that aren't used should O N/A O Refused O Don't kn
answerd oproprid 3.13e2 3.13f	 Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date date field blank and then fill out how long ago. If filling out how long ago, any fields have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y Y OR Days ago # # # Weeks ago # # # Months ago # # # Which vaccine did you receive for your third dose? Pfizer and BioNTech, mRNA vaccine Moderna, mRNA vaccine Astra Zeneca/COVISHIELD, viral vector vaccine 	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the that aren't used should O N/A O Refused O Don't known
answerd oproprid 3.13e2 3.13f	 Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date id date field blank and then fill out how long ago. If filling out how long ago, any fields is have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y OR Days ago # # # Weeks ago # # # Months ago # # # Which vaccine did you receive for your third dose? O Pfizer and BioNTech, mRNA vaccine O Moderna, mRNA vaccine 	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the that aren't used should O N/A O Refused O Don't kn
answerd oproprid 3.13e2 3.13f	 Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date date field blank and then fill out how long ago. If filling out how long ago, any fields have "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y Y OR Days ago # # # Weeks ago # # # Months ago # # # Which vaccine did you receive for your third dose? Pfizer and BioNTech, mRNA vaccine Moderna, mRNA vaccine Astra Zeneca/COVISHIELD, viral vector vaccine 	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the that aren't used should O N/A O Refused O Don't kn
answerd oproprid 3.13e2 3.13f 3.13f	Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date date field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the that aren't used should O N/A O Refused O Don't kr
answerd oproprid 3.13e2 3.13f 3.13f	Atte option below for 3.13f and, skip to 3.15. Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) O No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date date field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date D D - M M M - Y Y Y OR Days ago # # # Weeks ago # # # Months ago # # # Which vaccine did you receive for your third dose? O Pfizer and BioNTech, mRNA vaccine Moderna, mRNA vaccine O Astra Zeneca/COVISHIELD, viral vector vaccine O Other (Please specify) Interviewer: Ask this question if answered, "No" to 3.13. Otherwise, skip to 3.15. Have you been offered a COVID-19 vaccine?	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the that aren't used should ON/A Refused ODon't kn On't kn On't kn
answerd oproprid 3.13e2 3.13f 3.13f	Have you had a third dose of the COVID-19 vaccine? Yes (Go to 3.13f) No (Skip to 3.15) When did you receive your third dose of the COVID-19 vaccine? Interviewer: Record date if known and leave the "how long ago fields" blank. If date date field blank and then fill out how long ago. If filling out how long ago, any fields thave "0" entered (e.g. Days ago: 2, Weeks ago: 0, Months ago: 0). Date	Refused (Skip to 3.15 Don't know (Skip to 3 is not known, leave the that aren't used should O N/A O Refused O Don't kn

3.14a	If offered a COVID-19 vaccine, how likely is it that you will choose to get it?				
	Interviewer: If "Somewhat unlikely" or "Very unlikely", go to 3.14b. All others, skip to 3.1	15.			
	 Very likely Somewhat likely Somewhat unlikely (Go to 3.14b) Very unlikely (Go to 3.14b) 			efused)on't kr	
3.14b	<u>Interviewer</u> : Ask this question if answered, "Somewhat unlikely" or "Very unlikely" to 3.1 3.15 .	4a. Ot	herwi	se, go 1	to
	Why did you/would you choose <u>not</u> to get the COVID-19 vaccine?				
	Interviewer: Read all options before asking participant to select options. Select all that a	pply.			
	 Not confident in the safety of the vaccine Concern about risks and side effects Will wait until it seems safe to get the vaccine Do not consider it necessary to get the vaccine Do not believe in vaccination Have a pre-existing medical condition Already had or think I have had COVID-19 Have not yet decided Don't know where to get it Vaccine wasn't available to me Not listed (Please specify) 			efused)on't kr	
		1			
3.15	Now I am going to ask if you have had certain symptoms this <u>past week</u> . Thinking about the <u>past week</u> , have you had:	Yes	No	Ref	
3.15 A		Yes 1	No 2	Ref -2	
	about the <u>past week</u> , have you had:				
А	about the <u>past week</u> , have you had: Fever	1	2	-2	
AB	about the past week, have you had: Fever New or worsening cough	1	2	-2 -2	
A B C	about the past week, have you had: Fever New or worsening cough New or worsening shortness of breath	1 1 1	2 2 2 2	-2 -2 -2	
A B C D	about the past week, have you had: Fever New or worsening cough New or worsening shortness of breath Sore throat/hoarse voice	1 1 1 1 1	2 2 2 2 2	-2 -2 -2 -2 -2	
A B C D E	about the past week, have you had: Fever New or worsening cough New or worsening shortness of breath Sore throat/hoarse voice Difficulty swallowing	1 1 1 1 1 1	2 2 2 2 2 2 2 2	-2 -2 -2 -2 -2 -2	
A B C D E F	about the past week, have you had: Fever New or worsening cough New or worsening shortness of breath Sore throat/hoarse voice Difficulty swallowing Sore muscles or joints (without an underlying reason)	1 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 2 2 2	-2 -2 -2 -2 -2 -2 -2 -2	
A B C D E F G	about the past week, have you had: Fever New or worsening cough New or worsening shortness of breath Sore throat/hoarse voice Difficulty swallowing Sore muscles or joints (without an underlying reason) Headache	1 1 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2	-2 -2 -2 -2 -2 -2 -2 -2 -2 -2	
A B C D E F G H	about the past week, have you had: Fever New or worsening cough New or worsening shortness of breath Sore throat/hoarse voice Difficulty swallowing Sore muscles or joints (without an underlying reason) Headache Fatigue	1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2	-2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	

4.1	Hene you done one noid work since March 1, 2020 (if here line) (since [DATE] (ii	fallaur		ant lar	
	Have you done any <u>paid</u> work since March 1, 2020 (if baseline)/since [DATE] (ij date from 'Interview Information' printout)?	Jonow-L	ip, ins	ertias	st inte
	O Yes O No (Skip to 4.2)	O Re O Do	fused n't kn		
4.1a	Interviewer: Ask this question if answered, "Yes" to 4.1. Otherwise, skip to 4.2.				
	Where do/did you work?				
					efuse on't
					0111
4.1b	Interviewer: Ask this question if answered, "Yes" to 4.1. Otherwise, go to 4.2.				
	What type of work do/did you do?				
					lefuse)on't
4.2	Have you done any volunteer work since March 1, 2020 (if baseline)/since [DA interview date from 'Interview Information' printout)?	TE] (if fo	llow-u	p, inse	ert la
	O Yes O No (Skip to 4.3)	🔾 Re	fused		to 4.3 kip to
		O Do	II L KII	ow (S	
4.2a	Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, skip to 4.3.	O Do		ow (S	
4.2a	2	O Do		ow (S	
4.2a	Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, skip to 4.3. Where do/did you volunteer?	O Do		O R	efuse
4.2a	Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, skip to 4.3. Where do/did you volunteer?			O R	efuse)on't
4.2a 4.2b	Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, skip to 4.3. Where do/did you volunteer?			O R	efuse
	Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, skip to 4.3. Where do/did you volunteer?			O R	efuse
	Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, skip to 4.3. Where do/did you volunteer? Interviewer: Ask this question if answered, "Yes" to 4.2. Otherwise, go to 4.3.			O R O R	efuse

4.3	Since March 1, 2020 (if baseline)/since [DATE] (if follow-up, insert last interview date from 'Interview Information' printout), how often have you	Never	Rarely	Occasionally	Often	Always	Ref	DK
А	Worn a face mask in public places?	1	2	3	4	5	-2	-3
В	Practiced physical distancing in public places?	1	2	3	4	5	-2	-3
С	Avoided crowded places or gatherings?	1	2	3	4	5	-2	-3
D	Washed hands with soap or used hand sanitizer several times per day?	1	2	3	4	5	-2	-3
erview ck (RT	set of questions are about your housing history. <u>ver</u> : Question 5.1 is <u>only asked at baseline</u> . If this is a <u>follow-up</u> interview, s LFB). <u>ce with Homelessness</u>	skip to	Resid	lentia	l Time	eline F	ollow	-
	had a place of your own? Interviewer: If a value is filled out in one of the options below, the rest shy ears: 2, Number of months: 1, Number of days: 0. Own place is a place that is (1) not temporary (i.e. lasting 6 months or more) AND (2) where the person is paying rent. Exception: Staying with paying rent, see definition above) basis and not paying rent. # of years # # # of months # # # of days #	ore O	R expe	ected	to last	6 mo ermai	nths o	r 10n-
w I an interv king a tes as <u>erview</u> estion t inter	ial Timeline Follow-Back (RTLFB) n going to ask you about where you have been living for the <u>past 3 mon</u> iew, insert last interview date from 'Interview Information' printout). Tode bout is between [DATE] and today. Let's look at this calendar together (you talk. <u>ver</u> : Refer to the Adapted RTLFB Tool. Fill in the calendar with all moves fir is in this survey. Make sure you <u>probe</u> for all residences from current date to view date (if follow-up). <u>DO NOT</u> leave gaps in the tool. Start on and record ds ensuring there are no gaps. Once the calendar is complete say:	ay is [I refer t st, the to 3 m	DATE o RTL on go d onths	, so th FB Too on to d prior	ne tim bl) and ask the (if bas	e we'l I I'll m e resia eline),	l be ake ence /since	the
		ve live	d that	word				

5.2	What's the name of the place you are/were staying at? <u>Interviewer</u> : Record description according to what they tell you, prompt if necessary to get as specific as					
	possible.	•	-			
		0	Refuse Don't k			
5.3	<u>Interviewer</u> : Enter residence type code based on what you entered on the calendar. If code shelter), go to 5.3a . If code "B" (i.e. Physical Distancing Hotel), go to 5.3b . Otherwise, skip a		. Homele			
	If need more information say: Where are/were you staying? What sort of residence is this list)?	(refer	to codin			
	If other (Please specify)	\bigcirc	Refuse			
	Type code	0	Don't k			
5.3a	<u>Interviewer</u> : If residence type is code "A" in 5.3, enter the appropriate shelter code based of on the calendar then skip to 5.5 . Otherwise, go to 5.3b if residence type is code "B" or, go t residence types.					
	If need more information say: Which shelter are/were you staying at (refer to coding list)?					
	If other (Please specify)	0	Refuse			
			Don't k			
	Shelter code					
5.3b	<u>Interviewer</u> : If residence type is code "B" in 5.3, enter the appropriate hotel code based on a on the calendar then skip to 5.5 . Otherwise, go to 5.4 . If need more information say: Which physical distancing hotel are/were you staying at (re	-	oding lis			
5.3b	<u>Interviewer</u> : If residence type is code "B" in 5.3, enter the appropriate hotel code based on a on the calendar then skip to 5.5 . Otherwise, go to 5.4 .	fer to c	coding lis Refuse			
5.3b	<u>Interviewer</u> : If residence type is code "B" in 5.3, enter the appropriate hotel code based on a on the calendar then skip to 5.5 . Otherwise, go to 5.4 . If need more information say: Which physical distancing hotel are/were you staying at (re	-	coding lis			
5.3b 5.4	Interviewer: If residence type is code "B" in 5.3, enter the appropriate hotel code based on the calendar then skip to 5.5 . Otherwise, go to 5.4 . If need more information say: Which physical distancing hotel are/were you staying at (really other (Please specify)	fer to c	coding lis Refuse Don't k			
	Interviewer: If residence type is code "B" in 5.3, enter the appropriate hotel code based on the calendar then skip to 5.5. Otherwise, go to 5.4. If need more information say: Which physical distancing hotel are/were you staying at (realisting to the code) If other (Please specify) If other (Please specify) Hotel code If residence type is code "A" or "B" (unless "Other" option is selected) in 5.3, sk	fer to c	coding lis Refuse Don't k			
	Interviewer: If residence type is code "B" in 5.3, enter the appropriate hotel code based on the calendar then skip to 5.5. Otherwise, go to 5.4. If need more information say: Which physical distancing hotel are/were you staying at (regime to the code of the	fer to c	coding lis Refuse Don't k .5. Other Refuse			
	Interviewer: If residence type is code "B" in 5.3, enter the appropriate hotel code based on the calendar then skip to 5.5. Otherwise, go to 5.4. If need more information say: Which physical distancing hotel are/were you staying at (realisting to the residence specify) Hotel code	fer to c	coding lis Refuse Don't k			
	Interviewer: If residence type is code "B" in 5.3, enter the appropriate hotel code based on to on the calendar then skip to 5.5. Otherwise, go to 5.4. If need more information say: Which physical distancing hotel are/were you staying at (real if other (Please specify) Hotel code If need more information is selected) in 5.3, skate Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.3, skate What is/was the address of the residence?	fer to c	coding lis Refuse Don't k .5. Other Refuse			
5.4	Interviewer: If residence type is code "B" in 5.3, enter the appropriate hotel code based on a on the calendar then skip to 5.5. Otherwise, go to 5.4. If need more information say: Which physical distancing hotel are/were you staying at (realized more information say: If other (Please specify) If other (Please specify) Hotel code Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.3, skask: What is/was the address of the residence?	fer to c	coding lis Refuse Don't k .5. Other Refuse			
5.4	Interviewer: If residence type is code "B" in 5.3, enter the appropriate hotel code based on a on the calendar then skip to 5.5. Otherwise, go to 5.4. If need more information say: Which physical distancing hotel are/were you staying at (reality of the code lifetime of t	fer to c	Refuse Don't k .5. Other Refuse Don't k Refuse			
5.4	Interviewer: If residence type is code "B" in 5.3, enter the appropriate hotel code based on to on the calendar then skip to 5.5. Otherwise, go to 5.4. If need more information say: Which physical distancing hotel are/were you staying at (realify) Hotel code If other (Please specify) Hotel code Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.3, sk What is/was the address of the residence? Do you know the closest major intersection? Interviewer: If outside of Toronto, indicate the city.	fer to c	Refuse Don't k .5. Other Refuse Don't k			
5.4	Interviewer: If residence type is code "B" in 5.3, enter the appropriate hotel code based on to on the calendar then skip to 5.5. Otherwise, go to 5.4. If need more information say: Which physical distancing hotel are/were you staying at (realify) Hotel code If other (Please specify) Hotel code Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.3, sk What is/was the address of the residence? Do you know the closest major intersection? Interviewer: If outside of Toronto, indicate the city.	fer to c	coding lis Refuse Don't k .5. Other Refuse			

	Do you know the neighbourhood where the site/building is located?		
		0	Refuse Don't k
5.5	Interviewer: Enter date based on what you entered on the calendar.		
	If need more information say: What was the first night you stayed here?		
	Start Date D D - M M M - Y Y Y Y	0	Refuse Don't k
5.6	Interviewer: If current residence select N/A and, go to 5.7 . Enter date based on what you enter calendar.	ed c	on the
	If need more information say: What was the last night you stayed here?		
	Stop Date D - M M - Y Y Y O N/A (C	urre	ent resic
	O Refuse O Don't		N
5.7	<u>Interviewer</u> : Does the participant use this place (Residence 1) as a "Split Residence"? Refers to moving to and from this location are not considered true moves because the participant is split between this place and 1 or more other locations. Refer to QxQ.		
	If need more information say: Do/did you split your time between this residence and another	r res	sidence
	O Yes O No (Skip to 5.8) O Refused O Don't kn		
5.7a	Interviewer: Record answer if answered, "Yes" to 5.7. Otherwise, skip to 5.8.		
	How many times has the participant <u>moved into</u> Residence 1 over the measurement period? Re measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up). Comments:		mber th
		-	Refuse
	# of times # # #	0	
5.7b	# of times # # Interviewer: Record answer if answered, "Yes" to 5.7. Otherwise, go to 5.8.		Refuse Don't k
5.7b		emb	Don't k
5.7b	Interviewer: Record answer if answered, "Yes" to 5.7. Otherwise, go to 5.8. How many nights has the participant <u>lived at</u> Residence 1 over the measurement period? Reme measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up).	emb	Don't k
5.7b	Interviewer: Record answer if answered, "Yes" to 5.7. Otherwise, go to 5.8. How many nights has the participant <u>lived at</u> Residence 1 over the measurement period? Reme measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up). Comments:	emb	Don't k er that t Refuse

	# of people # # #			Refused Don't know
cidona			_	
sidenc	<u>e z</u> ver: Select the most appropriate op	tion below to continue		
	cord another residence (Go to 5.9)			
	o other residences to record (Skip t			
5.9	What's the name of the place yo	u are/were staying at?		
5.5		ccording to what they tell you, prompt if necessary to get as sp	eci	ific as
	possible.			-
		(С	Refused
)	Don't kno
5.10	Interviewer: Enter residence type	code based on what you entered on the calendar. If code "A" (i.e.	Homeless
		(i.e. Physical Distancing Hotel), go to 5.10b . Otherwise, skip to		
	If need more information say: Wh	nere are/were you staying? What sort of residence is this (ref	or t	to codina
	list)?	lere are/were you staying: what sort of residence is this (resi	eri	to county
	If oth	ner (Please specify)	C	Refused Don't kno
	Type code			
		· · · · · · · · · · · · · · · · · · ·		
5.10a		do "A" in E 10, ontor the appropriate chalter code baced on w	hat	t you
5.10a		ode "A" in 5.10, enter the appropriate shelter code based on wi i p to 5.12 . Otherwise, ao to 5.10b if residence type is code "B"		ao to 5.11
5.10a		ip to 5.12 . Otherwise, go to 5.10b if residence type is code "B"		go to 5.11
5.10a	recorded on the calendar then ski for all other residence types.			go to 5.11
5.10a	recorded on the calendar then ski for all other residence types. If need more information say: Wh	ip to 5.12 . Otherwise, go to 5.10b if residence type is code "B"	or,	Refused
5.10a	recorded on the calendar then ski for all other residence types. If need more information say: Wh	ip to 5.12. Otherwise, go to 5.10b if residence type is code "B" nich shelter are/were you staying at (refer to coding list)?	or,	-
5.10a	recorded on the calendar then ski for all other residence types. If need more information say: Wh If oth	ip to 5.12. Otherwise, go to 5.10b if residence type is code "B" nich shelter are/were you staying at (refer to coding list)?	or,	Refused
5.10a 5.10b	recorded on the calendar then ski for all other residence types. If need more information say: Wh If oth Shelter code	ip to 5.12. Otherwise, go to 5.10b if residence type is code "B" hich shelter are/were you staying at (refer to coding list)? her (Please specify) bode "B" in 5.10, enter the appropriate hotel code based on who	or,	Refused Don't kno
	recorded on the calendar then ski for all other residence types. If need more information say: Wh If oth Shelter code	ip to 5.12. Otherwise, go to 5.10b if residence type is code "B" hich shelter are/were you staying at (refer to coding list)? her (Please specify) ode "B" in 5.10, enter the appropriate hotel code based on who o Otherwise, go to 5.11.	or,	Refused Don't kno
	recorded on the calendar then ski for all other residence types. If need more information say: Wh If oth Shelter code	ip to 5.12. Otherwise, go to 5.10b if residence type is code "B" hich shelter are/were you staying at (refer to coding list)? her (Please specify) ode "B" in 5.10, enter the appropriate hotel code based on who Otherwise, go to 5.11. hich physical distancing hotel are/were you staying at (refer to	or,	Refused Don't kno rou recorde
	recorded on the calendar then ski for all other residence types. If need more information say: Wh If oth Shelter code	ip to 5.12. Otherwise, go to 5.10b if residence type is code "B" hich shelter are/were you staying at (refer to coding list)? her (Please specify) ode "B" in 5.10, enter the appropriate hotel code based on who Otherwise, go to 5.11. hich physical distancing hotel are/were you staying at (refer to	or,	Refused Don't kno

 Refuse Don't "Split Residence"? Refers to ecause the participant is split m this residence and another Refused 	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.10, skip to 5.12 . Otherwise, ask:					
ted? ted? ar. d here? date based on what you enter d here? M/A (C Refuse Don't "Split Residence"? Refers to ecause the participant is split "Split Residence and another Split Residence and another Split Residence and another Split Residence and another Split to 5.15. The measurement period? Refers to the measurement period?						
ted? ted? ar. d here? date based on what you enter d here? M/A (C Refuse Don't "Split Residence"? Refers to ecause the participant is split "Split Residence and another Split Residence and another Skip to 5.15. the measurement period? Refersed the stat interview date (if follow-u	O Refuse					
ted? ar. d here? date based on what you enter d here? Ar. d here? M/A (C Refuse Don't "Split Residence"? Refers to ecause the participant is split m this residence and another Refused Don't kn skip to 5.15. The measurement period? Refersed the st interview date (if follow-u	O Don't l					
ted? ar. d here? date based on what you enter d here? Ar. d here? M/A (C Refuse Don't "Split Residence"? Refers to ecause the participant is split m this residence and another Refused Don't kn skip to 5.15. The measurement period? Refersed the st interview date (if follow-u						
ted? ar. d here? date based on what you enter d here? Ar. d here? M/A (C Refuse Don't "Split Residence"? Refers to ecause the participant is split m this residence and another Refused Don't kn skip to 5.15. The measurement period? Refersed the st interview date (if follow-u						
ted? ar. d here? date based on what you enter date based on what you enter d here? N/A (C Refuse Don't "Split Residence"? Refers to ecause the participant is split m this residence and another Refused Don't kn skip to 5.15. the measurement period? Refersed the set interview date (if follow-u	O Refuse					
ar. d here? date based on what you enter d here? Don't for the participant is split "Split Residence"? Refers to ecause the participant is split on this residence and another Don't kn skip to 5.15.	O Don't					
ar. d here? date based on what you enter d here? Don't for the participant is split "Split Residence"? Refers to ecause the participant is split on this residence and another Don't kn skip to 5.15. The measurement period? Re- fast interview date (if follow-u						
ar. d here? date based on what you enter d here? Don't d "Split Residence"? Refers to ecause the participant is split on this residence and another Don't kn skip to 5.15. The measurement period? Re fast interview date (if follow-u	O Refuse					
d here? date based on what you enter d here? N/A (C Refuse Don't "Split Residence"? Refers to ecause the participant is split on this residence and another Refused Don't kn skip to 5.15. The measurement period? Refused the measurement period? Refused Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Seco	O Don't					
d here? date based on what you enter d here? N/A (C Refuse Don't "Split Residence"? Refers to ecause the participant is split on this residence and another Refused Don't kn skip to 5.15. The measurement period? Refused the measurement period? Refused Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Seco						
date based on what you enter d here?						
d here? N/A (C Refuse Don't "Split Residence"? Refers to ecause the participant is split on this residence and another Refused Don't kn skip to 5.15. The measurement period? Refused for the resourcement period? Refused the measurement period? Refused	O Refuse					
d here? N/A (C Refuse Don't "Split Residence"? Refers to ecause the participant is split on this residence and another Refused Don't kn skip to 5.15. The measurement period? Refused ast interview date (if follow-u	Don't					
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 Refuse Don't "Split Residence"? Refers to ecause the participant is split m this residence and another Refused Don't kn skip to 5.15. the measurement period? Refused interview date (if follow-united for the second content of t						
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ecause the participant is split on this residence and another O Refused O Don't kn of skip to 5.15. The measurement period? Refuse the the securement period? Refuse the the securement period? Refuse the securement pe						
• skip to 5.15. The measurement period? Refused The measurement period? The measurement peri	ing time					
• Don't kn skip to 5.15. The measurement period? Re ast interview date (if follow-u						
the measurement period? Re ast interview date (if follow-u	w (Skip to 5.					
ast interview date (if follow-u						
	O Don't					
2022						

5.14b	Interviewer: Record answer if answered, "Yes" to 5.14. Otherwise, go to 5.15.						
	How many nights has the	e participa	nt <u>lived at</u> Residence 2 ove	r the measurement perio	d? Remember that the		
			ths (if baseline)/since the l				
	, –		Comments:		O Refused		
	# of nights # # #	I			O Don't know		
5.15	Are/were you sharing a	living spac	e with anyone while stay	ing here?			
	O Alone (Skip to Reside	ence 3)	O Shared	O Refused (S	kip to Residence 3)		
				O Don't kno	w (Skip to Residence 3)		
5.15a	Interviewer: Ask if answe	red, "Shar	ed" to 5.15. Otherwise, go	to Residence 3.			
	If yes, how many people	are/were	you sharing your living s	bace with?			
			, ,, ,, ,,		O Refused		
	# of people # #	#			🔾 Don't knov		
	• 2						
<u>sidenc</u>							
erview	<u>ver</u> : Select the most approp	oriate opti	on below to continue.				
	cord another residence (G	-					
O No	o other residences to recor	d (Skip to	end of instrument)				
5.16	What's the name of the	nlace vou	are/were staving at?				
5.10							
		ription acc	ording to what they tell yo	ou, prompt if necessary to	get as specific as		
	possible.						
					O Refused		
			Ň		O Don't know		
5.17			ode based on what you en	-	•		
	shelter), go to 5.17a . If co	ode "B" (i.	e. Physical Distancing Hote	el), go to 5.17b . Otherwis	e, skip to 5.18 .		
	If your days and information		na ana lunana manatanina 2	What cout of ussidenes i	this (refer to coding		
	lf need more information list) ?	say: wne	re are/were you staying?	what sort of residence i	s this (refer to coaing		
	11SL):	If othe	r (Please specify)		O Refused		
			(O Don't knov		
	Type code						
5.17a			le "A" in 5.17, enter the ap		-		
		•	to 5.19. Otherwise, go to	5.17b if residence type is	code "B" or, go to 5.18		
	for all other residence typ	pes.					
	If need more information	say: Whic	ch shelter are/were you st	aying at (refer to coding	list) ?		
		If othe	r (Please specify)		O Refused		
	Shelter code				0 201101		
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	For peer re	eview only	- http://bmjopen.bmj.com/si	te/about/guidelines.xhtml			

5.17b	<u>Interviewer</u> : If residence type is code "B" in 5.17, enter the appropriate hotel code based on what you recorde on the calendar then skip to 5.19 . Otherwise, go to 5.18 .						
	If need more information say: Which physical distancing hotel are/were you staying at (refer to coding list						
	If other (Please specify)		Refused				
			Don't kno				
	Hotel code						
5.18	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5 Otherwise, ask:	5.17, skip to	5.19 .				
	What is/was the address of the residence?	\bigcirc	Defuced				
		\bigcirc	Refused Don't kno				
E 10a	Do you know the electric major intersection?						
5.18a	Do you know the <u>closest</u> major intersection?						
	Interviewer: If outside of Toronto, indicate the city.						
			Refused				
		O	Don't kno				
F 40h							
5.18b	Do you know the neighbourhood where the site/building is located?	0					
			Refused				
		0	Don't kno				
5.19	Interviewer: Enter date based on what you entered on the calendar.						
	If need more information say: What was the first night you stayed here?						
	Start Date D D - M M M - Y Y Y Y	0	Refused				
		0	Don't kno				
5.20	Interviewer: If current residence select N/A and, go to 5.21 . Enter date based on what calendar.	you entered	l on the				
	If need more information say: What was the last night you stayed here?						
	Stop Date D D - M M M - Y Y Y Y	N/A (Curr	ent resider				
		Refused					
	C	Don't kno	W				
5.21	<u>Interviewer</u> : Does the participant use this place (Residence 3) as a "Split Residence"? I moving to and from this location are not considered true moves because the participa between <u>this place and 1 or more other locations</u> . Refer to QxQ.						
	If need more information say: Do/did you split your time between this residence and	d another re	sidence?				
	O Yes O No (Skip to 5.22)	Refused (Sk	ip to 5.22)				

5.21a	Interviewer: Record answer if answ	vered, "Yes" to 5.21. Otherwi	se, skip to 5.22.	
	How many times has the participar measurement period is <u>past 3 mon</u>			
	# of times # # #			– 🔾 Don't kno –
5.21b	Interviewer: Record answer if answ	vered, "Yes" to 5.21. Otherwi	se, go to 5.22.	
	How many nights has the participa measurement period is <u>past 3 mon</u>			
	# of nights # # #	Comments:		 O Refused O Don't kno
5.22	Are/were you sharing a living space	ce with anyone while staying	g here?	
	O Alone (Skip to Residence 4)	O Shared	O Refused (Skip toO Don't know (Skip	-
5 222				
5.22a	Interviewer: Ask if answered, "Shar	ed" to 5.22. Otherwise, go t a	o Residence 4.	
5.22a	<u>Interviewer</u> : Ask if answered, "Shar <u>If yes</u> , how many people are/were			
sidenc erview O Re	If yes, how many people are/were # of people # of people # difference # e 4 yer: Select the most appropriate option ecord another residence (Go to 5.23)	e you sharing your living spa		 Refused Don't known
sidenc erview O Re	If yes, how many people are/were # of people # of people # d e 4 yer: Select the most appropriate option	e you sharing your living span on below to continue. end of instrument) are/were staying at?	ce with?	O Don't kno
sidenc erview O Re O No	If yes, how many people are/were # of people # # of people # # d # e 4 # yer: Select the most appropriate option ecord another residence (Go to 5.23) # o other residences to record (Skip to What's the name of the place you	e you sharing your living span on below to continue. end of instrument) are/were staying at?	ce with?	• Don't kno
sidenc erview O Re O No	If yes, how many people are/were # of people # # of people # # d # e 4 # ecr: Select the most appropriate option ecord another residence (Go to 5.23) O other residences to record (Skip to O other residences to record (Skip to What's the name of the place you Interviewer: Record description accord	e you sharing your living span on below to continue. end of instrument) are/were staying at?	ce with?	O Don't kno
sidenc erview O Re O No	If yes, how many people are/were # of people # # of people # # d # e 4 # ecr: Select the most appropriate option ecord another residence (Go to 5.23) O other residences to record (Skip to O other residences to record (Skip to What's the name of the place you Interviewer: Record description accord	e you sharing your living span on below to continue. end of instrument) are/were staying at? cording to what they tell you,	ce with? prompt if necessary to get as red on the calendar. If code "4	 Don't know specific as Refused Don't know " (i.e. Homeless
sidenc erview O Re O No 5.23	If yes, how many people are/were # of people # # of people # # and the people # <	e you sharing your living space on below to continue. end of instrument) are/were staying at? cording to what they tell you, bode based on what you enter e. Physical Distancing Hotel),	ce with? prompt if necessary to get as red on the calendar. If code "A go to 5.24b. Otherwise, skip	 Don't know specific as Refused Don't know (i.e. Homeless to 5.25.
sidenc erview O Re O No 5.23	If yes, how many people are/were # of people # # of people # # of people # # and the people #	e you sharing your living space on below to continue. end of instrument) are/were staying at? cording to what they tell you, bode based on what you enter e. Physical Distancing Hotel),	ce with? prompt if necessary to get as red on the calendar. If code "A go to 5.24b. Otherwise, skip	 Don't know specific as Refused Don't know (i.e. Homeless to 5.25.

5.24a	<u>Interviewer</u> : If residence type is code "A" in 5.24, enter the appropriate shelter code based recorded on the calendar then skip to 5.26 . Otherwise, go to 5.24b if residence type is code for all other residence types.		
	If need more information say: Which shelter are/were you staying at (refer to coding list)?	?	
	If other (Please specify)	0	Refused
	Shelter code	- 0	Don't know
5.24b	<u>Interviewer</u> : If residence type is code "B" in 5.24, enter the appropriate hotel code based or on the calendar then skip to 5.26 . Otherwise, go to 5.25 .	n what y	ou recorded
	If need more information say: Which physical distancing hotel are/were you staying at (re	efer to c	oding list) ?
	If other (Please specify)	0	Refused
	Hotel code	- 0	Don't know
5.25	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.24, Otherwise, ask:	skip to £	5.26.
	What is/was the address of the residence?		
		- 0	Refused Don't know
			DOILTERIOW
5.25a	Do you know the <u>closest</u> major intersection?		
	Interviewer: If outside of Toronto, indicate the city.		
		0	Refused
		0	Don't know
5.25b	Do you know the neighbourhood where the site/building is located?		
		\bigcirc	Refused
		0	Don't know
5.26	Interviewer: Enter date based on what you entered on the calendar.		
	If need more information say: What was the <u>first night</u> you stayed here?		
	Start Date D D - M M M - Y Y Y Y	0	Refused
		0	Don't know
5.27	<u>Interviewer</u> : If current residence select N/A and, go to 5.28 . Enter date based on what you calendar.	entered	on the
	If need more information say: What was the last night you stayed here?		
	Stop Date D D - M M M - Y Y Y Y O N/	A (Curre	ent residence
		fused	
		n't knov	

If need more information say: Do/did you split your time between this residence and anoth Yes No (Skip to 5.29) Interviewer: Record answer if answered, "Yes" to 5.28. Otherwise, skip to 5.29.	d (Ski	
O Don't k	-	
Interviewer: Record answer if answered, "Yes" to 5.28. Otherwise, skip to 5.29.		
How many times has the participant <u>moved into</u> Residence 4 over the measurement period? I the measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-		mber that
Comments:	0	Refused Don't knov
# of times # # #		
<u>Interviewer</u> : Record answer if answered, "Yes" to 5.28. Otherwise, go to 5.29.		
		er that the
Comments:	0	Refused Don't knov
e of nights # # #	_	DON L KNOV
Are/were you sharing a living space with anyone while staying here?		
		-
Interviewer: Ask if answered, "Shared" to 5.29. Otherwise, go to Residence 5.		
If yes, how many people are/were you sharing your living space with?		
# of people # # #	0	Refused Don't knov
5		
e <u>r</u> : Select the most appropriate option below to continue.		
cord another residence (Go to 5.30) other residences to record (Skip to end of instrument)		
What's the name of the place you are/were staying at?		
<u>Interviewer</u> : Record description according to what they tell you, prompt if necessary to get as possible.	spec	ific as
	0	Refused
	Comments: # of times # # # Interviewer: Record answer if answered, "Yes" to 5.28. Otherwise, go to 5.29. How many nights has the participant lived at Residence 4 over the measurement period? Remmeasurement period is past 3 months (if baseline)/since the last interview date (if follow-up). Comments: of nights # # # Are/were you sharing a living space with anyone while staying here? O Alone (Skip to Residence 5) O Shared O Don't know (Skip Interviewer: Ask if answered, "Shared" to 5.29. Otherwise, go to Residence 5. It yes, how many people are/were you sharing your living space with? # of people # # # 5 r: Select the most appropriate option below to continue. ord another residences to record (Skip to end of instrument) What's the name of the place you are/were staying at? Interviewer: Record description according to what they tell you, prompt if necessary to get as	Laterviewer: Record answer if answered, "Yes" to 5.28. Otherwise, go to 5.29. How many nights has the participant lived at Residence 4 over the measurement period? Remember measurement period is past 3 months (if baseline)/since the last interview date (if follow-up). Comments: of nights # # # Are/were you sharing a living space with anyone while staying here? O Alone (Skip to Residence 5) O Shared Interviewer: Ask if answered, "Shared" to 5.29. Otherwise, go to Residence 5. If yes, how many people are/were you sharing your living space with? # of people # # # 5 g: Select the most appropriate option below to continue. ord another residences to record (Skip to end of instrument)

5.31	<u>Interviewer</u> : Enter residence type code based on what you entered on the calendar. If cod shelter), go to 5.31a . If code "B" (i.e. Physical Distancing Hotel), go to 5.31b . Otherwise, s	kip to 5.	JZ.			
	If need more information say: Where are/were you staying? What sort of residence is this (refer to coding list)?					
	If other (Please specify)	0	Refused			
	Type code	O	Don't kn			
5.31a	<u>Interviewer</u> : If residence type is code "A" in 5.31, enter the appropriate shelter code based recorded on the calendar then skip to 5.33 . Otherwise, go to 5.31b if residence type is coupled of the residence types.		•			
	If need more information say: Which shelter are/were you staying at (refer to coding list)?				
	If other (Please specify)	\bigcirc	Refused			
	Shelter code	O	Don't kr			
5.31b	<u>Interviewer</u> : If residence type is code "B" in 5.31, enter the appropriate hotel code based on the calendar then skip to 5.33 . Otherwise, go to 5.32 .	-				
	If need more information say: Which physical distancing hotel are/were you staying at (-	_			
	If other (Please specify)	0	Refused			
		\bigcirc	Don't kr			
	Hotel code	O	Don't kr			
5.32	Hotel code	-	5.33.			
5.32	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31 Otherwise, ask:	-	5.33 . Refused			
5.32	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31 Otherwise, ask:	-	5.33 . Refused			
	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31 Otherwise, ask: What is/was the address of the residence?	-	5.33 . Refused			
	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31 Otherwise, ask: What is/was the address of the residence? Do you know the <u>closest</u> major intersection?	-	5.33 . Refused Don't kr			
	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31 Otherwise, ask: What is/was the address of the residence? Do you know the <u>closest</u> major intersection?	-	5.33 . Refused Don't kr			
	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31. Otherwise, ask: What is/was the address of the residence? Do you know the <u>closest</u> major intersection? Interviewer: If outside of Toronto, indicate the city.	-	Don't kn 5.33. Refused Don't kn Refused Don't kn			
5.32a	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31. Otherwise, ask: What is/was the address of the residence? Do you know the <u>closest</u> major intersection? Interviewer: If outside of Toronto, indicate the city.	-	5.33. Refused Don't kr Refused Don't kr			
5.32a	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31. Otherwise, ask: What is/was the address of the residence? Do you know the closest major intersection? Interviewer: If outside of Toronto, indicate the city. Do you know the neighbourhood where the site/building is located?	-	5.33. Refused Don't kn			
5.32a	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31, Otherwise, ask: What is/was the address of the residence? Do you know the closest major intersection? Interviewer: If outside of Toronto, indicate the city. Do you know the neighbourhood where the site/building is located?	-	5.33. Refused Don't kn Refused Don't kn			
5.32a 5.32b	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31. Otherwise, ask: What is/was the address of the residence? Do you know the closest major intersection? Interviewer: If outside of Toronto, indicate the city. Do you know the neighbourhood where the site/building is located?	-	5.33. Refused Don't kr Refused Don't kr			
5.32a 5.32b	Interviewer: If residence type is code "A" or "B" (unless "Other" option is selected) in 5.31 Otherwise, ask: What is/was the address of the residence? Do you know the closest major intersection? Interviewer: Interviewer: If outside of Toronto, indicate the city. Do you know the neighbourhood where the site/building is located? Interviewer: Enter date based on what you entered on the calendar.	-	5.33. Refused Don't kn Refused Don't kn			

	Interviewer: If current residence select N/A and, go to 5.35 . Enter date based on what you entered on the calendar.					
	If need more information say: What was the last night you stayed here?					
	Stop Date D D - M M M - Y Y Y Y	 N/A (Current resident Refused Don't know 				
5.35	<u>Interviewer</u> : Does the participant use this place (Residence 5) as a "Split Res moving to and from this location are not considered true moves because the between <u>this place and 1 or more other locations</u> . Refer to QxQ.	2				
	If need more information say: Do/did you split your time between this resi	idence and another residence?				
	O Yes O No (Skip to 5.36)	 Refused (Skip to 5.36) Don't know (Skip to 5.3) 				
5.35a	Interviewer: Record answer if answered, "Yes" to 5.35. Otherwise, skip to 5.	.36.				
	How many times has the participant moved into moved into measurement period is past 3 months (if baseline)/since the last interview of Comments: # of times #					
5.35b	Interviewer: Record answer if answered, "Yes" to 5.35. Otherwise, go to 5.3					
	measurement period is <u>past 3 months</u> (if baseline)/since the last interview of					
	measurement period is past 3 months (if baseline)/since the last interview of Comments: # of nights #	date (if follow-up). O Refused				
5.36	Comments:	date (if follow-up). O Refused				
5.36	# of nights # # # Comments: # of nights # # # # Are/were you sharing a living space with anyone while staying here? O Alone (Skip to Residence 6) O Shared O	date (if follow-up). Q Refused O Don't know Refused (Skip to Residence 6)				
5.36 5.36a	# of nights # # # Comments: # of nights # # # # Are/were you sharing a living space with anyone while staying here? O Alone (Skip to Residence 6) O Shared O	date (if follow-up). Q Refused Don't know Refused (Skip to Residence 6) Don't know (Skip to Residence 6)				
	# of nights # # # Are/were you sharing a living space with anyone while staying here? O Alone (Skip to Residence 6) O	date (if follow-up). Q Refused Don't know Refused (Skip to Residence 6) Don't know (Skip to Residence 6)				

5.37	What's the name of the place you are/were staying at? Interviewer: Record description according to what they tell you, prompt if necessary to get as specific as acceller				
	possible.	0	Refuse Don't		
5.38	<u>Interviewer</u> : Enter residence type code based on what you entered on the calendar. If code "A shelter), go to 5.38a . If code "B" (i.e. Physical Distancing Hotel), go to 5.38b . Otherwise, skip t	-			
	If need more information say: Where are/were you staying? What sort of residence is this (r list)?	efer	to codir		
	If other (Please specify)	0	Refuse Don't		
	Type code		Donit		
5.38a	<u>Interviewer</u> : If residence type is code "A" in 5.38, enter the appropriate shelter code based on recorded on the calendar then skip to 5.40 . Otherwise, go to 5.38b if residence type is code "E for all other residence types.				
	If need more information say: Which shelter are/were you staying at (refer to coding list)?				
	If other (Please specify)	0	Refuse Don't		
	Shelter code		Donie		
5.38b	<u>Interviewer</u> : If residence type is code "B" in 5.38, enter the appropriate hotel code based on w on the calendar then skip to 5.40 . Otherwise, go to 5.39 . If need more information say: Which physical distancing hotel are/were you staying at (refer	to c	oding li		
	Hotel code	0	Refuse Don't		
5.39	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.38, skip Otherwise, ask:	to .	5 . 40.		
	What is/was the address of the residence?		D. (
		0	Refuse Don't		
5.39a	Do you know the <u>closest</u> major intersection?				
	Interviewer: If outside of Toronto, indicate the city.				
		0	Refuse Don't		
<u></u> γ/γενιδε	NT Study – Survey Instrument Version: January 14, 2022				

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	Do you know the neighbourhood where the site/building is located?		
		0	Refused Don't kr
5.40	Interviewer: Enter date based on what you entered on the calendar		
5.40	<u>Interviewer</u> : Enter date based on what you entered on the calendar.		
	If need more information say: What was the <u>first night</u> you stayed here?		
	Start Date D D - M M M - Y Y Y Y	0	Refused Don't kr
5.41	Interviewer: If current residence select N/A and, go to 5.42 . Enter date based on what you entered on the calendar.		
	If need more information say: What was the last night you stayed here?		
	Stop Date D D - M M M - Y Y Y Y Y O N/A	(Curr	ent reside
	O Refu	used	
	O Don	i't kno	W
5.42	<u>Interviewer</u> : Does the participant use this place (Residence 6) as a "Split Residence"? Refers to stays where moving to and from this location are not considered true moves because the participant is splitting time between <u>this place and 1 or more other locations</u> . Refer to QxQ.		
5.42a	If need more information say: Do/did you split your time between this residence and another residence?		
	O Yes O No (Skip to 5.43) O Refuse	ed (Sk i	ip to 5.43
	O Don't	know	(Skip to !
	How many times has the participant <u>moved into</u> Residence 6 over the measurement period? the measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow Comments:		mber tha Refused
	# of times # # #	$- \circ$	
			Don't kr
5.42b	Interviewer: Record answer if answered, "Yes" to 5.42. Otherwise, go to 5.43.		Don't kr
5.42b	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re		
5.42b	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up)).	per that th
	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re).	per that the contract of the c
	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up Comments:).	per that the Refused
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	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up, Comments: # of nights # # # # Are/were you sharing a living space with anyone while staying here? O Alone (Skip to Residence 7)). O Resid	per that the sed the s
5.43	How many nights has the participant lived at Residence 6 over the measurement period? Re measurement period is past 3 months (if baseline)/since the last interview date (if follow-up Comments: # of nights # # # Are/were you sharing a living space with anyone while staying here? O Alone (Skip to Residence 7) O Shared O Don't know (Skip to Residence 7)). O Resid	eer that th Refused Don't kr dence 7) esidence
5.43	How many nights has the participant <u>lived at</u> Residence 6 over the measurement period? Re measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow-up, Comments: # of nights # # of nights # # at a start of nights #). O Resid	Refused Don't kr

What's the name of the place you are/were staying at?		
<u>Interviewer</u> : Record description according to what they tell you, prompt if necessary to get as possible.	s spec	ific as
	0	Refused Don't kno
	-	
	refer	to coding
If other (Please specify)	0	Refused
Type code	0	Don't kno
If other (Please specify)	0	Refused Don't kno
Shelter code		
<u>Interviewer</u> : If residence type is code "B" in 5.45, enter the appropriate hotel code based on v on the calendar then skip to 5.47 . Otherwise, go to 5.46 .	vhat y	ou recordo
If need more information say: Which physical distancing hotel are/were you staying at (refe	er to c	oding list)
If other (Please specify)	0	Refused Don't kno
Hotel code		
<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.45, sk Otherwise, ask:	ip to :	5.47.
What is/was the address of the residence?	_	
	\cap	Refused
	Interviewer: Record description according to what they tell you, prompt if necessary to get as possible. Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" shelter), go to 5.45a. If code "B" (i.e. Physical Distancing Hotel), go to 5.45b. Otherwise, skip If need more information say: Where are/were you staying? What sort of residence is this (list)? If other (Please specify) Type code Interviewer: If residence type is code "A" in 5.45, enter the appropriate shelter code based on recorded on the calendar then skip to 5.47. Otherwise, go to 5.45b if residence type is code "for all other residence types. If need more information say: Which shelter are/were you staying at (refer to coding list)? If other (Please specify) If other (Please specify) Shelter code If other (Please specify) Hotel code If other (Please specify) <td< td=""><td>Interviewer: Record description according to what they tell you, prompt if necessary to get as spect possible. Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" (i.e. shelter), go to 5.45a. If code "B" (i.e. Physical Distancing Hotel), go to 5.45b. Otherwise, skip to 5.45b. If need more information say: Where are/were you staying? What sort of residence is this (refer list)? If other (Please specify) 0 Type code 0 Interviewer: If residence type is code "A" in 5.45, enter the appropriate shelter code based on what recorded on the calendar then skip to 5.47. Otherwise, go to 5.45b if residence type is code "B" or, for all other residence types. If need more information say: Which shelter are/were you staying at (refer to coding list)? If other (Please specify) 0 Shelter code 0 Interviewer: If residence type is code "B" in 5.45, enter the appropriate hotel code based on what you on the calendar then skip to 5.47. Otherwise, go to 5.45b. If need more information say: Which shelter are/were you staying at (refer to coding list)? If other (Please specify) 0 Shelter code 0 If need more information say: Which physical distancing hotel are/were you staying at (refer to coding list)? Interviewer: If residence type is code "B" in 5.45, enter the appropriate hot</td></td<>	Interviewer: Record description according to what they tell you, prompt if necessary to get as spect possible. Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" (i.e. shelter), go to 5.45a. If code "B" (i.e. Physical Distancing Hotel), go to 5.45b. Otherwise, skip to 5.45b. If need more information say: Where are/were you staying? What sort of residence is this (refer list)? If other (Please specify) 0 Type code 0 Interviewer: If residence type is code "A" in 5.45, enter the appropriate shelter code based on what recorded on the calendar then skip to 5.47. Otherwise, go to 5.45b if residence type is code "B" or, for all other residence types. If need more information say: Which shelter are/were you staying at (refer to coding list)? If other (Please specify) 0 Shelter code 0 Interviewer: If residence type is code "B" in 5.45, enter the appropriate hotel code based on what you on the calendar then skip to 5.47. Otherwise, go to 5.45b. If need more information say: Which shelter are/were you staying at (refer to coding list)? If other (Please specify) 0 Shelter code 0 If need more information say: Which physical distancing hotel are/were you staying at (refer to coding list)? Interviewer: If residence type is code "B" in 5.45, enter the appropriate hot

5.46a	Do you know the <u>closest</u> major intersection? <u>Interviewer</u> : If outside of Toronto, indicate the city.	
	<u>interviewer</u> : If butside of Toronto, indicate the city.	• Refused
		Don't know
5.46b	Do you know the neighbourhood where the site/building is located?	
		O RefusedO Don't know
5.47	Interviewer: Enter date based on what you entered on the calendar.	
	If need more information say: What was the first night you stayed here?	
	Start Date D D - M M M - Y Y Y Y	O RefusedO Don't know
5.48	Interviewer: If current residence select N/A and, go to 5.49 . Enter date based on what you en calendar.	ntered on the
	If need more information say: What was the last night you stayed here?	
	Stop Date D D - M M M Y Y Y Y O N/A	(Current residence
	O Refu O Don	used I't know
5.49		't know to stays where
5.49	Don <u>Interviewer</u> : Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is sp	't know to stays where plitting time
5.49	 Dom <u>Interviewer</u>: Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is spletween this place and 1 or more other locations. Refer to QxQ. If need more information say: Do/did you split your time between this residence and anoth Yes No (Skip to 5.50) 	I't know to stays where plitting time her residence? ed (Skip to 5.50)
5.49 5.49a	 Dom <u>Interviewer</u>: Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is spletween this place and 1 or more other locations. Refer to QxQ. If need more information say: Do/did you split your time between this residence and anoth Yes No (Skip to 5.50) 	't know to stays where plitting time her residence?
	 Dom <u>Interviewer</u>: Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is spletween this place and 1 or more other locations. Refer to QxQ. If need more information say: Do/did you split your time between this residence and anoth Yes No (Skip to 5.50) Refuse Don't 	I't know to stays where plitting time her residence? ed (Skip to 5.50) know (Skip to 5.50) Remember that y-up).
	 Dom <u>Interviewer</u>: Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is spletween this place and 1 or more other locations. Refer to QxQ. If need more information say: Do/did you split your time between this residence and anoth Yes No (Skip to 5.50) Refuse Don't Interviewer: Record answer if answered, "Yes" to 5.49. Otherwise, skip to 5.50. How many times has the participant moved into Residence 7 over the measurement period? the measurement period is past 3 months (if baseline)/since the last interview date (if follows)	I't know to stays where plitting time her residence? ed (Skip to 5.50) know (Skip to 5.50) know (Skip to 5.50) Remember that y-up).
	 Dom Interviewer: Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is spletween this place and 1 or more other locations. Refer to QxQ. If need more information say: Do/did you split your time between this residence and anotal or Yes No (Skip to 5.50) Refuse Interviewer: Record answer if answered, "Yes" to 5.49. Otherwise, skip to 5.50. How many times has the participant moved into Residence 7 over the measurement period? the measurement period is past 3 months (if baseline)/since the last interview date (if follow Comments: # of times # # # 	I't know to stays where plitting time her residence? ed (Skip to 5.50) know (Skip to 5.50) know (Skip to 5.50) Remember that y-up).
5.49a	 Dom Interviewer: Does the participant use this place (Residence 7) as a "Split Residence"? Refers moving to and from this location are not considered true moves because the participant is spletween this place and 1 or more other locations. Refer to QxQ. If need more information say: Do/did you split your time between this residence and anoth Yes No (Skip to 5.50) Refuse Don't Interviewer: Record answer if answered, "Yes" to 5.49. Otherwise, skip to 5.50. How many times has the participant moved into Residence 7 over the measurement period? the measurement period is past 3 months (if baseline)/since the last interview date (if follow Comments: # of times # utility # utility	I't know to stays where plitting time her residence? ed (Skip to 5.50) know (Skip to 5.50) know (Skip to 5.50 PRemember that y-up). O Refused O Don't know

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Don't know (Skip to Residence 3: If yes, how many people are/were you sharing your living space with? # of people		• Alone (Skip to Residence 8) • Shared	Refused (Skip to Residence 8
If yes, how many people are/were you sharing your living space with? Refus # of people Image: Select the most appropriate option below to continue. Record another residence (60 to 5.51) O Record another residence to record (5kip to end of instrument) No other residences to record (5kip to end of instrument) 5.51 What's the name of the place you are/were staying at? Interviewer: Record description according to what they tell you, prompt if necessary to get as specific as possible. Interviewer: Refus Don't 5.52 Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" (i.e. Home shelter), go to 5.52a. If code "B" (i.e. Physical Distancing Hotel), go to 5.52b. Otherwise, skip to 5.53. If need more information say: Where are/were you staying? What sort of residence is this (refer to codil list)? Refus Type code Interviewer: If residence type is code "A" in 5.52, enter the appropriate shelter code based on what you recorded on the calendar then skip to 5.54. Otherwise, go to 5.52b if residence type is code "B" or, go to for all other residence types. If need more information say: Which shelter are/were you staying at (refer to coding list)? If other (Please specify) Refus 5.52b Interviewer: if residence type is code "B" in 5.52, enter the appropriate hotel code based on what you recorded on the calendar then skip to 5.54. Otherwise, go to 5.53. If need more information say: Which shelter are/were you staying at (re			Don't know (Skip to Residence of
# of people # # # Don't esidence 8 Don't Don't Don't O Record another residence (Go to 5.51) No other residences to record (Skip to end of instrument) Don't 5.51 What's the name of the place you are/were staying at? Interviewer: Record description according to what they tell you, prompt if necessary to get as specific as possible. 0 Refus Don't 5.52 Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" (i.e. Home shelter), go to 5.52a. If code "B" (i.e. Physical Distancing Hotel), go to 5.52b. Otherwise, skip to 5.53. If need more information say: Where are/were you staying? What sort of residence is this (refer to codil list)? Refus Type code Don't Don't 5.52a Interviewer: If residence type is code "A" in 5.52, enter the appropriate shelter code based on what you recorded on the calendar then skip to 5.54. Otherwise, go to 5.52b if residence type is code "B" or, go to for all other residence types. If need more information say: Which shelter are/were you staying at (refer to coding list)? Refus If other (Please specify) Pon't Don't 5.52b Interviewer: If residence type is code "B" in 5.52, enter the appropriate hotel code based on what you recorded on the calendar then skip to 5.54. Otherwise, go to 5.53. If need more information say: W	5.50a	Interviewer: Ask if answered, "Shared" to 5.50. Otherwise, go to Resident	ce 8.
# of people # of people # of people Don't esidence 8 tterviewer: Select the most appropriate option below to continue. Peccord another residence (Go to 5.51) No other residences to record (Skip to end of instrument) 5.51 What's the name of the place you are/were staying at? Interviewer: Record description according to what they tell you, prompt if necessary to get as specific as possible.		If yes, how many people are/were you sharing your living space with?	
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5.52 Interviewer: Enter residence type code based on what you entered on the calendar. If code "A" (i.e. Home shelter), go to 5.52a. If code "B" (i.e. Physical Distancing Hotel), go to 5.52b. Otherwise, skip to 5.53. If need more information say: Where are/were you staying? What sort of residence is this (refer to codin list)? If other (Please specify) 7ype code 6.52a Interviewer: If residence type is code "A" in 5.52, enter the appropriate shelter code based on what you recorded on the calendar then skip to 5.54. Otherwise, go to 5.52b if residence type is code "B" or, go to for all other residence types. If need more information say: Which shelter are/were you staying at (refer to coding list)? If other (Please specify) 8.64. 8.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7. 9.7.<			
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Hotel code	5.52b		otel code based on what you reco
Hotel code	5.52b	on the calendar then skip to 5.54 . Otherwise, go to 5.53 .	
	5.52b	on the calendar then skip to 5.54 . Otherwise, go to 5.53 . If need more information say: Which physical distancing hotel are/were If other (Please specify)	you staying at (refer to coding la Q Refuse
	5.52b	on the calendar then skip to 5.54 . Otherwise, go to 5.53 . If need more information say: Which physical distancing hotel are/were If other (Please specify)	you staying at (refer to coding la O Refuse O Don't
OVENANT Study – Survey Instrument Version: January 14, 2022	5.52b	on the calendar then skip to 5.54 . Otherwise, go to 5.53 . If need more information say: Which physical distancing hotel are/were If other (Please specify)	you staying at (refer to coding la O Refuse O Don't

	What is/was the address of the residence?		
		0	Refused
		0	Don't kno
5.53a	Do you know the <u>closest</u> major intersection?		
	Interviewer: If outside of Toronto, indicate the city.		
		0	Refused
		0	Don't kno
5.53b	Do you know the neighbourhood where the site/building is located?		
		0	Refused
		0	Don't kno
5.54	Interviewer: Enter date based on what you entered on the calendar.		
5.54	If need more information say: What was the <u>first night</u> you stayed here?		
	Start Date D D - M M M Y Y Y Y	\bigcirc	Refused
		0	Don't kno
	Stop Date D - M M - Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	sed	ent resider w
5.56	<u>Interviewer</u> : Does the participant use this place (Residence 8) as a "Split Residence"? Refers t moving to and from this location are not considered true moves because the participant is sp between <u>this place and 1 or more other locations</u> . Refer to QxQ.		
	If need more information say: Do/did you split your time between this residence and anoth	er re	sidence?
	O Yes O No (Skip to 5.57) O Refuse O Don't k O Don't k	-	• •
5.56a	Interviewer: Record answer if answered, "Yes" to 5.56. Otherwise, skip to 5.57.		
	How many times has the participant <u>moved into</u> Residence 8 over the measurement period? the measurement period is <u>past 3 months</u> (if baseline)/since the last interview date (if follow Comments:		Refused
	# of times # # #	- 0	Don't kno

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5.56b	Interviewer: Record answer if answered, "Yes" to 5.56. Otherwise, go to 5.57. How many nights has the participant <u>lived at</u> Residence 8 over the measurement period? Remember that the					
	measurement period is <u>past 3 months</u> (if baseline)/since the last					
	Comments:	O Refused				
	# of nights # # #	O Don't kno				
5.57	Are/were you sharing a living space with anyone while staying	here?				
	O Alone (Skip to Residence 9) O Shared	• Refused (Skip to Residence 9)				
		O Don't know (Skip to Residence S				
5.57a	Interviewer: Ask if answered, "Shared" to 5.57. Otherwise, go to	Residence 9.				
	If yes, how many people are/were you sharing your living space	with?				
	<u>In yes</u> , now many people are, were you sharing your ining space	O Refused				
	# of people # # #	O Don't kno				
esidenc	e 9					
	ver: Select the most appropriate option below to continue.					
	ecord another residence (Go to 5.58)					
	o other residences to record (Skip to end of instrument)					
5.58	What's the name of the place you are/were staying at?					
	Interviewer: Record description according to what they tell you, p	prompt if necessary to get as specific as				
	possible.	······································				
		• Refused				
		O Don't kno				
5.59	Interviewer: Enter residence type code based on what you entere	d on the calendar. If code "A" (i.e. Homeles				
	shelter), go to 5.59a . If code "B" (i.e. Physical Distancing Hotel), g	go to 5.59b. Otherwise, skip to 5.60.				
	If need more information say: Where are/were you staying? Wh	at cort of residence is this (refer to coding				
	list)?	at sort of residence is this (rejer to county				
	If other (Please specify)	O Refused				
	Type code					
5.59a	Interviewer: If residence type is code "A" in 5.59, enter the approp	priate shelter code based on what you				
J.J9a	recorded on the calendar then skip to 5.61 . Otherwise, go to 5.59					
	for all other residence types.					
	If need more information say: Which shelter are/were you stayin	ng at (refer to coding list)?				
	If other (Please specify)					
		 Refused Don't known 				
	Shelter code					
OVENA	NT Study – Survey Instrument Version: January 14,	, 2022				
	For peer review only - http://bmjopen.bmj.com/site/a	bout/quidelines.xhtml				

5.59b	 <u>Interviewer</u>: If residence type is code "B" in 5.59, enter the appropriate hotel code based on what you recorded on the calendar then skip to 5.61. Otherwise, go to 5.60. If need more information say: Which physical distancing hotel are/were you staying at (refer to coding list)? 					
	If other (Please specify)		Refused			
		-	Don't kn			
	Hotel code	_				
5.60	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.59, Otherwise, ask:	skip to :	5.61.			
	What is/was the address of the residence?					
		_ O	Refused			
			Don't kn			
F (0)						
5.60a	Do you know the <u>closest</u> major intersection?					
	Interviewer: If outside of Toronto, indicate the city.					
		_ O	Refused			
			Don't kn			
5 601						
5.60b	Do you know the neighbourhood where the site/building is located?	_				
		- 0	Refused Don't kn			
			DOILTERIN			
5.61	Interviewer: Enter date based on what you entered on the calendar.					
	If need more information say: What was the first night you stayed here?					
	Start Date D D - M M M - Y Y Y Y	0	Refused			
	<u> </u>	0	Don't kn			
5.62	Interviewer: If current residence select N/A and, go to 5.63 . Enter date based on what you calendar.	entered	l on the			
	If need more information say: What was the last night you stayed here?					
	Stop Date D D - M M M - Y Y Y Y Y Y O N	'A (Curr	ent residei			
		efused				
	O Do	on't kno	W			
5.63	<u>Interviewer</u> : Does the participant use this place (Residence 9) as a "Split Residence"? Refer moving to and from this location are not considered true moves because the participant is between <u>this place and 1 or more other locations</u> . Refer to QxQ.					
	If need more information say: Do/did you split your time between this residence and and	other re	sidence?			
	O Yes O No (Skip to 5.64) O Refu	sed (SKI	ip to 5.64)			

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	How many times has the partic the measurement period is <u>past</u>	<u>t 3 months</u> (if baseline)/since t Comments:	he last interview date (if foll	
	# of times # # #			—— O Don't kno
5.63b	Interviewer: Record answer if a	nswered, "Yes" to 5.63. Other	wise, go to 5.64.	
	How many nights has the partic measurement period is <u>past 3 n</u>		-	
		Comments:		O Refused
	# of nights # # #			—— 🔾 Don't kno
5.64	Are/were you sharing a living s	space with anyone while stay	ing here?	
	O Alone (Skip to Residence 1	0) O Shared	O Refused (Skip	to Residence 10)
		6	🔾 Don't know (S	Skip to Residence
5.64a	Interviewer: Ask if answered, "S	Shared" to 5.64. Otherwise, gc	to Residence 10.	
	If yes, how many people are/w	vere you sharing your living s	pace with?	
		rere you sharing your inting s		• Refused
	# of people # # # # <u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence (Go to 5.			 Don't know
terview O Re	<u>e 10</u> <u>ver</u> : Select the most appropriate of	.65)		
terview O Re	<u>e 10</u> <u>ver</u> : Select the most appropriate of the contract of t	.65) o to end of instrument)	2	
t <u>erview</u> O Re O No	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence (Go to 5 . o other residences to record (Skip What's the name of the place <u>Interviewer</u> : Record description	.65) o to end of instrument) you are/were staying at?	ou, prompt if necessary to ge	O Don't kno
t <u>erview</u> O Re O No	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence (Go to 5. o other residences to record (Skip What's the name of the place	.65) o to end of instrument) you are/were staying at?	ou, prompt if necessary to ge	• Don't know
t <u>erview</u> O Re O No	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence (Go to 5 . o other residences to record (Skip What's the name of the place y <u>Interviewer</u> : Record description possible.	.65) o to end of instrument) you are/were staying at? according to what they tell yo	2/	 Don't know t as specific as Refused
t <u>erview</u> O Re O No	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence (Go to 5 . o other residences to record (Skip What's the name of the place y <u>Interviewer</u> : Record description possible.	.65) o to end of instrument) you are/were staying at? according to what they tell yo	2/	• Don't know
t <u>erview</u> O Re O No	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence (Go to 5 . o other residences to record (Skip What's the name of the place y <u>Interviewer</u> : Record description possible.	65) o to end of instrument) you are/were staying at? according to what they tell yo	tered on the calendar. If code	 Don't known Don't known t as specific as Refused Don't known e "A" (i.e. Homeles.
• Re • Re • No 5.65	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence (Go to 5. o other residences to record (Skip What's the name of the place y <u>Interviewer</u> : Record description possible. <u>Interviewer</u> : Enter residence typ shelter), go to 5.66a . If code "B If need more information say: V	.65) o to end of instrument) you are/were staying at? according to what they tell yo according to what you en ce code based on what you en " (i.e. Physical Distancing Hote	tered on the calendar. If code el), go to 5.66b . Otherwise, s	Don't know Don't know The set of the set o
• Re • Re • No 5.65	<u>e 10</u> <u>ver</u> : Select the most appropriate of ecord another residence (Go to 5. o other residences to record (Skip What's the name of the place of <u>Interviewer</u> : Record description possible. <u>Interviewer</u> : Enter residence type shelter), go to 5.66a . If code "B If need more information say: V list) ?	.65) o to end of instrument) you are/were staying at? according to what they tell yo according to what you en ce code based on what you en " (i.e. Physical Distancing Hote	tered on the calendar. If code el), go to 5.66b . Otherwise, s	Don't know Don't know The set of the set o

5.66a	Interviewer: If residence type is code "A" in 5.66, enter the appropriate shelter code based on what you recorded on the calendar then skip to 5.68 . Otherwise, go to 5.66b if residence type is code "B" or, go to 5.67 for all other residence types.					
	If need more information say: Which shelter are/were you staying at (refer to coding list)?					
	If other (Please specify)	0	Refused			
	Shelter code	0	Don't know			
5.66b	<u>Interviewer</u> : If residence type is code "B" in 5.66, enter the appropriate hotel code based on v on the calendar then skip to 5.68 . Otherwise, go to 5.67 .	vhat y	ou recorded			
	If need more information say: Which physical distancing hotel are/were you staying at (refe	er to c	oding list)?			
	If other (Please specify)	0	Refused			
	Hotel code	0	Don't know			
5.67	<u>Interviewer</u> : If residence type is code "A" or "B" (unless "Other" option is selected) in 5.66, sk Otherwise, ask: What is/was the address of the residence?	ip to !	5.68.			
		0	Refused			
		0	Don't know			
	Do you know the <u>closest</u> major intersection? <u>Interviewer</u> : If outside of Toronto, indicate the city.	0	Refused Don't know			
5.67b	Do you know the neighbourhood where the site/building is located?					
		0	Refused Don't know			
5.68	Interviewer: Enter date based on what you entered on the calendar.					
	If need more information say: What was the first night you stayed here?					
	Start Date D D - M M M - Y Y Y Y	0 0	Refused Don't know			
5.69	<u>Interviewer</u> : If current residence select N/A and, go to 5.70 . Enter date based on what you en calendar. If need more information say: What was the <u>last night</u> you stayed here?	tered	on the			
	ij need more mjormation say. What was the <u>last might</u> you stayed here.		ent residence			
	Stop Date D D - M M M - Y Y Y Y O N/A					

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5.70	<u>Interviewer</u> : Does the participant use th moving to and from this location are no	ot considered true move	es because the participant is s	•
	between <u>this place and 1 or more other</u>	-		
	If need more information say: Do/did y	ou split your time betw	ween this residence and ano	ther residence?
	O Yes O No (Skip to 5.71)			sed (Skip to 5.71) t know (Skip to 5.7
5.70a	Interviewer: Record answer if answered	l, "Yes" to 5.70. Otherw	vise, skip to 5.71.	
	How many times has the participant <u>ma</u> the measurement period is <u>past 3 mont</u>			
		Comments:		O Refused
	# of times # # #			— O Don't knov
5.70b	Interviewer: Record answer if answered	l, "Yes" to 5.70. Otherw	vise, go to 5.71.	
	How many nights has the participant <u>liv</u> measurement period is <u>past 3 months</u> (i		-	
		Comments:		• Refused
	# of nights # # #			— O Don't know —
5.71	Are/were you sharing a living space wi	ith anyone while stayiı	ng here?	
	• Alone (Skip to end of instrument)	O Shared	 Refused (Skip to er Don't know (Skip to 	-
5.71a	Interviewer: Ask if answered, "Shared"	to 5.71. Otherwise, go	to end of instrument.	
	If yes, how many people are/were you	ı sharing your living sp	ace with?	
	# of people # # #			RefusedDon't know
			0	
hank yo	u for answering all of our questions. We	e will now collect the k	blood and saliva samples.	
	END	OF SURVEY INSTRUM	ENT	
OVENA	NT Study – Survey Instrument	Version: January		4
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Supplement 4: Adjudication of serological and self-report data into past infection and vaccinatio status

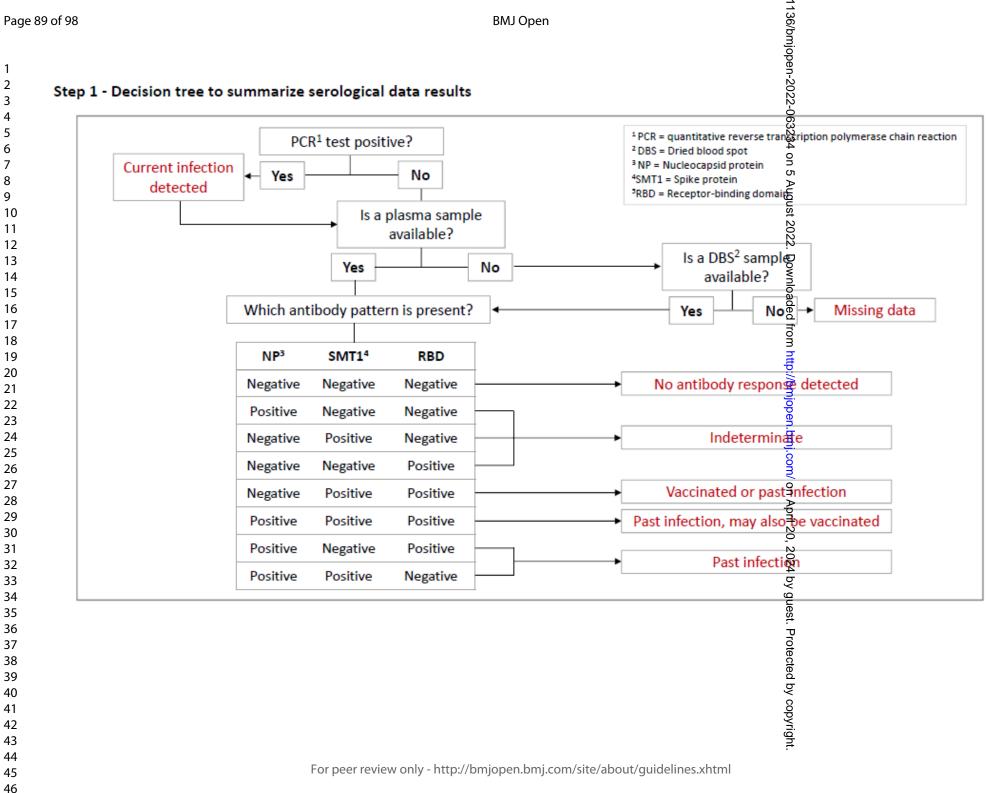
 Our serologic assays detect total IgG antibodies against three SARS-CoV-2 antigens: Nucleocapsid (NP), Spike protein (SMT1) and Receptor-binding domain (RBD). Antibodies against NP indicate past infection, whereas antibodies against SMT1 and RBD indicate immunization and/or past infection.

For each sample, raw values of IgG antibody levels were normalized to a reference point on a standard curve run on the same assay plate. The thresholds for positivity were set at 3 standard deviations below the mean of a log distribution of negative control samples. Sensitivity and secificity at these thresholds were determined by applying a confusion matrix to a set of 560 negative control samples (obtained prior to the advent of COVID-10) and 392 positive controls samples obtained from PCR-confirmed cases at least 2 weeks after symptom onset. Sensitivity and specificity were 0.99 and 0.97 for antibodies against SMT1; and 1.0 and 0.89 for antibodies against RBD.

Because our samples are collected during a period when both infections and vaccinations occur, we followed the decision treg in Step 1 to summarize serological results, and the decision matrix in Step 2 to combine serologic results and self-report data to assign infection status and vaccidation status for each participant.

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BMJ Open Step 2 – Decision matrix to combine serological results and self-report data to assign past infection and vaccination status

(See Step 1)	history ¹	History ²	Final infection statug	Final vaccination statu
No antibody response	No positive test ³	Zero doses	No past infection S	No past vaccination
No antibody response	No positive test	1+ doses	No past infection \sum_{P}^{66}	Past vaccination
No antibody response	Positive test	Zero doses	Past infection	No past vaccination
No antibody response	Positive test	1+ doses	Past infection	Past vaccination
Indeterminate	No positive test	Zero doses	No past infection $\stackrel{\circ}{N}$	No past vaccination
Indeterminate	No positive test	1+ doses	No past infection 👳	Past vaccination
Indeterminate	Positive test	Zero doses	Past infection	No past vaccination
Indeterminate	Positive test	1+ doses	Past infection	Past vaccination
Vaccinated or past infection	No positive test	Zero doses	Past infection 🙀	No past vaccination
Vaccinated or past infection	No positive test	1+ doses	No past infection 🗟	Past vaccination
Vaccinated or past infection	Positive test	Zero doses	Past infection \exists	No past vaccination
Vaccinated or past infection	Positive test	1+ doses	Past infection 🚦	Past vaccination
Past infection, may also be vaccinated	No positive test	Zero doses	Past infection	No past vaccination
Past infection, may also be vaccinated	No positive test	1+ doses	Past infection	Past vaccination
Past infection, may also be vaccinated	Positive test	Zero doses	Past infection 🖇	No past vaccination
Past infection, may also be vaccinated	Positive test	1+ doses	Past infection	Past vaccination
Past infection	No positive test	Zero doses	Past infection	No past vaccination
Past infection	No positive test	1+ doses	Past infection	Past vaccination
Past infection	Positive test	Zero doses	Past infection	No past vaccination
Past infection	Positive test	1+ doses	Past infection Past	Past vaccination
Missing data All records linked at ICES will be cross-refer All records linked at ICES will be cross-refer 'No positive test' includes those who: were	renced against vaccination events	recorded in the COVAXON databa	Missing 20, 2024 by guest. Protected by constructed by constructed by constructed by construct only negative rest.	Missing ults; or were tested but did no

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SPIRIT 2013 Checklist: Recommended items to address in a clinical trial protocol and related documents*

Section/item	Item No	Description	Location in protoco
Administrative inform	nation		
Title	1	Descriptive title identifying the study design, population, interventions, and, if applicable, trial acronym	Title page
Trial registration	2a	Trial identifier and registry name. If not yet registered, name of intended registry	N/A
	2b	All items from the World Health Organization Trial Registration Data Set	N/A
Protocol version	3	Date and version identifier	Title page
Funding	4	Sources and types of financial, material, and other support	Title page; Funding statement
Roles and responsibilities	5a	Names, affiliations, and roles of protocol contributors	Title page
	5b	Name and contact information for the trial sponsor	Title page
	5c	Role of study sponsor and funders, if any, in study design; collection, management, analysis, and interpretation of data; writing of the report; and the decision to submit the report for publication, including whether they will have ultimate authority over any of these activities	Title page

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		5d	Composition, roles, and responsibilities of the coordinating centre, steering committee, endpoint adjudication committee, data management team, and other individuals or groups overseeing the trial, if applicable (see Item 21a for data monitoring committee)	N/A
16	Introduction			
17 18 19 20 21 22 23 24 25 26	Background and rationale	6a	Description of research question and justification for undertaking the trial, including summary of relevant studies (published and unpublished) examining benefits and harms for each intervention	Abstract (Introduction); Background and rationale
27 28 29		6b	Explanation for choice of comparators	N/A
30 31 32 33 34	Objectives	7	Specific objectives or hypotheses	Abstract (Introduction); Background and rationale
35 36 37 38 39 40 41 42 43 44	Trial design	8	Description of trial design including type of trial (eg, parallel group, crossover, factorial, single group), allocation ratio, and framework (eg, superiority, equivalence, noninferiority, exploratory)	N/A
45 46	Methods: Participants	, interventio	ns, and outcomes	
46 47 48 49 50 51 52 53 54 55 56 57 58 59	Study setting	9	Description of study settings (eg, community clinic, academic hospital) and list of countries where data will be collected. Reference to where list of study sites can be obtained	Methods and analysis: Study design and setting

1 2 3 4 5 6 7 8 9 10	Eligibility criteria	10	Inclusion and exclusion criteria for participants. If applicable, eligibility criteria for study centres and individuals who will perform the interventions (eg, surgeons, psychotherapists)	Methods and analysis: Inclusion criteria, Exclusion criteria
11 12 13 14 15 16	Interventions	11a	Interventions for each group with sufficient detail to allow replication, including how and when they will be administered	Methods and analysis: Data collection
17 18 19 20 21 22 23 24 25		11b	Criteria for discontinuing or modifying allocated interventions for a given trial participant (eg, drug dose change in response to harms, participant request, or improving/worsening disease)	Methods and analysis: Recruitment and consent
26 27 28 29 30 31 32 33		11c	Strategies to improve adherence to intervention protocols, and any procedures for monitoring adherence (eg, drug tablet return, laboratory tests)	Methods and analysis: Promotion of continued participation
34 35 36 37 38 39		11d	Relevant concomitant care and interventions that are permitted or prohibited during the trial	N/A
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60	Outcomes	12	Primary, secondary, and other outcomes, including the specific measurement variable (eg, systolic blood pressure), analysis metric (eg, change from baseline, final value, time to event), method of aggregation (eg, median, proportion), and time point for each outcome. Explanation of the clinical relevance of chosen efficacy and harm outcomes is strongly recommended	analysis: Data

1							
2 3 4 5 6 7 8 9 10	Participant timeline	13	Time schedule of enrolment, interventions (including any run-ins and washouts), assessments, and visits for participants. A schematic diagram is highly recommended (see Figure)	Methods and analysis: Data collection; Table 1			
11 12 13 14 15 16 17 18 19	Sample size	14	Estimated number of participants needed to achieve study objectives and how it was determined, including clinical and statistical assumptions supporting any sample size calculations	Methods and analysis: Sample size			
20 21 22 23 24 25	Recruitment	15	Strategies for achieving adequate participant enrolment to reach target sample size	Methods and analysis: Sample size			
26 27	Methods: Assignment of interventions (for controlled trials)						
28 29	Allocation:						
30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Sequence generation	16a	Method of generating the allocation sequence (eg, computer-generated random numbers), and list of any factors for stratification. To reduce predictability of a random sequence, details of any planned restriction (eg, blocking) should be provided in a separate document that is unavailable to those who enrol participants or assign interventions	N/A			
47 48 49 50 51 52 53 54 55 56 57 58 59 60	Allocation concealment mechanism	16b	Mechanism of implementing the allocation sequence (eg, central telephone; sequentially numbered, opaque, sealed envelopes), describing any steps to conceal the sequence until interventions are assigned	N/A			

1	Implementation	160	Who will concrete the	NI/A
2 3 4 5 6 7	Implementation	16c	Who will generate the allocation sequence, who will enrol participants, and who will assign participants to interventions	N/A
8 9 10 11 12 13 14	Blinding (masking)	17a	Who will be blinded after assignment to interventions (eg, trial participants, care providers, outcome assessors, data analysts), and how	N/A
15 16 17 18 19 20 21 22 23		17b	If blinded, circumstances under which unblinding is permissible, and procedure for revealing a participant's allocated intervention during the trial	N/A
24	Methods: Data collectio	n, manager	nent, and analysis	
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	Data collection methods	18a	Plans for assessment and collection of outcome, baseline, and other trial data, including any related processes to promote data quality (eg, duplicate measurements, training of assessors) and a description of study instruments (eg, questionnaires, laboratory tests) along with their reliability and validity, if known. Reference to where data collection forms can be found, if not in the protocol	Methods and analysis: Data collection, Processing Supplementary materials
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60		18b	Plans to promote participant retention and complete follow- up, including list of any outcome data to be collected for participants who discontinue or deviate from intervention protocols	Methods and analysis: Promotion of continued participation

1 2 3 4 5 6 7 8 9 10 11 12 13	Data management	19	Plans for data entry, coding, security, and storage, including any related processes to promote data quality (eg, double data entry; range checks for data values). Reference to where details of data management procedures can be found, if not in the protocol	Methods and analysis: Processing Ethics and regulatory aspects: Data protection and retention
14 15 16 17 18 19 20 21 22 23	Statistical methods	20a	Statistical methods for analysing primary and secondary outcomes. Reference to where other details of the statistical analysis plan can be found, if not in the protocol	Methods and analysis: Statistical analyses
24 25 26 27 28		20b	Methods for any additional analyses (eg, subgroup and adjusted analyses)	Methods and analysis: Statistical analyses
29 30 31 32 33 34 35 36 37		20c	Definition of analysis population relating to protocol non-adherence (eg, as randomised analysis), and any statistical methods to handle missing data (eg, multiple imputation)	Methods and analysis: Statistical analyses
38 39	Methods: Monitoring			
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60	Data monitoring	21a	Composition of data monitoring committee (DMC); summary of its role and reporting structure; statement of whether it is independent from the sponsor and competing interests; and reference to where further details about its charter can be found, if not in the protocol. Alternatively, an explanation of why a DMC is not needed	N/A

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		21b	Description of any interim analyses and stopping guidelines, including who will have access to these interim results and make the final decision to terminate the trial	N/A		
	Harms	22	Plans for collecting, assessing, reporting, and managing solicited and spontaneously reported adverse events and other unintended effects of trial interventions or trial conduct	N/A		
	Auditing	23	Frequency and procedures for auditing trial conduct, if any, and whether the process will be independent from investigators and the sponsor	N/A		
26 27	Ethics and dissemination					
28 29 30 31 32 33	Research ethics approval	24	Plans for seeking research ethics committee/institutional review board (REC/IRB) approval	Ethics and regulatory aspects: ethics approval		
34 35 36 37 38 39 40 41 42 43 44	Protocol amendments	25	Plans for communicating important protocol modifications (eg, changes to eligibility criteria, outcomes, analyses) to relevant parties (eg, investigators, REC/IRBs, trial participants, trial registries, journals, regulators)	Ethics and regulatory aspects: ethics approval		
45 46 47 48 49 50	Consent or assent	26a	Who will obtain informed consent or assent from potential trial participants or authorised surrogates, and how (see Item 32)	Methods and analysis (Recruitment and consent)		
51 52 53 54 55 56 57 58 59 60		26b	Additional consent provisions for collection and use of participant data and biological specimens in ancillary studies, if applicable	N/A		

2 4 5 6 7 8 9 0	Confidentiality	27	How personal information about potential and enrolled participants will be collected, shared, and maintained in order to protect confidentiality before, during, and after the trial	Ethics and regulatory aspects: Data protection and retention
1 2 3 4 5 6	Declaration of interests	28	Financial and other competing interests for principal investigators for the overall trial and each study site	
7 8 9 20 21 22 23 24	Access to data	29	Statement of who will have access to the final trial dataset, and disclosure of contractual agreements that limit such access for investigators	Ethics and regulatory aspects: Data availability
25 26 27 28 29 50 11	Ancillary and post-trial care	30	Provisions, if any, for ancillary and post-trial care, and for compensation to those who suffer harm from trial participation	N/A
22 33 44 35 36 37 38 39 40 41 42 33 44	Dissemination policy	31a	Plans for investigators and sponsor to communicate trial results to participants, healthcare professionals, the public, and other relevant groups (eg, via publication, reporting in results databases, or other data sharing arrangements), including any publication restrictions	Ethics and regulatory aspects: Dissemination
45 46 47 48		31b	Authorship eligibility guidelines and any intended use of professional writers	Methods and analysis: Statistical analyses
9 50 51 52 53 54		31c	Plans, if any, for granting public access to the full protocol, participant-level dataset, and statistical code	Ethics and regulatory aspects: Data availability
5 6 7	Appendices			

	Informed consent materials	32	Model consent form and other related documentation given to participants and authorised surrogates	
)	Biological specimens	33	Plans for collection, laboratory evaluation, and storage of biological specimens for genetic or molecular analysis	Methods and analysis: Data collection;
2 3 4 5			in the current trial and for future use in ancillary studies, if applicable	Ethics and regulatory aspects: Data protection and retention

*It is strongly recommended that this checklist be read in conjunction with the SPIRIT 2013 Explanation & Elaboration for important clarification on the items. Amendments to the protocol should be tracked and dated. The SPIRIT checklist is copyrighted by the SPIRIT Group under the Creative Commons "<u>Attribution-NonCommercial-NoDerivs 3.0 Unported</u>" license.

Correction: *Ku-gaa-gii pimitizi-win, the* COVID-19 *cohort study of people experiencing homelessness in Toronto, Canada: a study protocol*

Richard L, Nisenbaum R, Liu M, *et al.* Ku-gaa-gii pimitizi-win, the COVID-19 cohort study of people experiencing homelessness in Toronto, Canada: a study protocol. *BMJ Open* 2022;12:e063234. doi: 10.1136/bmjopen-2022-063234

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