



Human Participant Ethics Protocol Submission
CONFIDENTIAL

0 - Identification

RIS Human Protocol Number
42083

Protocol Title
The Scarborough Survey (Suburban Mobilities Cluster)

Protocol Type
Investigator Submission

Applicant Information

Applicant Name
Dr Ignacio Tiznado Aitken

Rank / Position N/A
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Faculty Sponsor Information

Sponsor Name
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Research Type

Is this course based research? ☐ Yes ☒ No

Course Code	Title	Level	Session	Section	Start Date

Division

Department

Unit Head Name

Collaborators/Co-Investigators

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Projected Project Dates

Estimated Start Date
1-Feb-22

Estimated End Date
15-Apr-22

2 - Location

Location of the Research: ☐ University of Toronto ☒ Other Locations

Other Location Details

Type	Name	Location	Country	Contact	Email	Description
Non-Institutional Field Location			Canada			Online surveys

Administrative Approval/Consent

Administrative Approval/Consent Needed: ☐ Yes ☒ No

Community Based Participatory Research Project? ☐ Yes ☒ No

Other Ethic Boards Approval(s)

Another Institution or Site involved? ☐ Yes ☒ No

3 - Agreements and Reviews

Funding

Project Funded? ☒ Yes ☐ No

Internal U of T Funding

Source	Status	Peer Reviewed
Clusters of Scholarly Prominence Program (CSPP)	Awarded	

Agreements

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Funding/non-funding Agreement in Place? ☐ Yes ☒ No

Any Team Member Declared Conflict of Interest? ☐ Yes ☒ No

Reviews

- ☐ This research has gone under scholarly review by thesis committee, departmental review committee, peer review committee, or some other equivalent
- ☐ This research will go under scholarly review prior to funding
- ☒ This review will not go under a scholarly review

4 - Potential Conflicts

Conflict of Interest

Will researchers, research team members, or immediate family members receive any personal benefit? ☐ Yes ☒ No

Restrictions on Information

Are there any restrictions regarding access to, or disclosure of information (during or after closure)? ☐ Yes ☒ No

Researcher Relationships

Are there any pre-existing relationships between the researchers and the researched? ☐ Yes ☒ No

Collaborative Decision Making

Is this a community based project - i.e.: a collaboration between the university and a community group? ☐ Yes ☒ No

5 - Project Details

Summary

Rationale

Describe the purpose and scholarly rationale for the project

Purpose of the Suburban Mobilities Research Cluster - Suburban Mobilities' overall goal is to generate knowledge about suburban contexts that will allow communities to solve holistic transportation challenges facing the suburbanized world in the 21st century. Particularly, the cluster is applying interdisciplinary approaches to understand how transportation serves to interconnect the complex social, economic, and environmental systems inherent to suburbs. We aim to understand how mobility barriers and opportunities enhance and inhibit wellbeing in different places and for different people in suburban contexts.

In an effort to produce innovative understandings and solutions to complex suburban mobility challenges, we strive for intellectual diversity through multidisciplinary, multisectoral, and multi-method collaborations, harnessing UTSC's deep expertise and unique relationships to community, government and industry partners. The broader outcomes of this initiative will have a long-lasting societal impact by improving quality of life in the local community.

Scholarly Rationale for Project - During 2014, the City of Toronto identified 31 Toronto neighborhoods with socio-economic needs as Neighbourhood Improvement Areas (NIAs). Public and private funding seeks to improve their current conditions, fostering a higher quality of life and community development. Eight of these NIAs are located in the Scarborough area, where there is a 21.4% incidence of low-income people. The average household income is \$78,781 (23.3% less than the Toronto area), and, among renter households, 45% spend over 30% of their income in housing. All these conditions intersect with the sociodemographic characteristics of the area. 57% of the population in Scarborough are immigrants, and for every 100 working-age persons, 61.9 senior and youth dependents (City of Toronto, 2018).

Scarborough has been designed to be highly car-dependent, with a grid of major arterial roads. According to the Transportation Tomorrow Survey, 53% of the trips in Scarborough are made by car (32% in Toronto and East York). However, significant spatial disparities can be found, with some neighborhoods having more than a quarter of households that do not own a car, relying on other transport alternatives. Although service levels in the zone are low, 25% of the trips are performed by public transport. Despite land uses are highly segregated, population densities in Scarborough (34 people per hectare) are not low compared to Toronto (43 people per hectare). Still, walking and cycling account for just 7% of the trips (27% in Toronto and East York) (TCAT, 2018). These mobility figures evidence the lack of alternatives and infrastructure for sustainable and affordable transport options.

Multiple data sources have been allowing us to characterize the Scarborough area: transport networks and choices, location of amenities, census data, pricing, and land value information, among others. Considering these sources, we wondered what information would be helpful to collect in a survey in order to fill data gaps that allow exploring deep and characterize better the quality of life of people living in Scarborough.

This project aims to study mobility and built environment barriers, automobility, access to services, politics, social capital, and health outcomes among zones and population groups in Scarborough. The cross-cutting theme of this survey is related to equity issues, including the role of the COVID-19 pandemic in exacerbating existing barriers and inequalities. The survey seeks to connect and explore relationships between the topics above, generating a unique instrument to connect multidisciplinary research interests of our Suburban Mobilities Cluster.

The main research goal and specific research questions for each topic are presented below:

Mobility and built environment module

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Main research goal

To recognize travel behavior, mobility barriers, and actual/desired built environment of people living in Scarborough

Research questions

- What are the current travel behavior patterns of Scarborough residents?
- How do travel behavior and mobility barriers differ considering COVID-19 times?
- What amenities people want access to, and by which transport modes, considering their sociodemographics and needs?
- What characteristics do neighborhoods and transportation networks have, and what characteristics would people like to change?
- What are the main mobility barriers (i.e., financial, physical, organizational, temporal, technological, geographical, personal and road safety, public space barriers) that Scarborough residents face in their everyday lives?

Automobility module

Main research goal

To understand financial and social impacts of automobility in Scarborough

Research questions

- What is the impact of financial shocks on travel behavior and consumption habits?
- What are the economic costs of car ownership? How affordable is car-based mobility?
- Are people thinking about buying or regularly using a car due to COVID-19?
- Do the household economics change due to COVID-19 and their associated new mobility patterns (more car use, more deliveries, less travel, among others)?
- What are the social and cultural values linked with automobility (social status, privacy, safety, career achievement, freedom, progress, etc.)?

Health module

Main research goal

To explore health conditions, access, and outcomes of people living in Scarborough pre and during COVID-19

Research questions

- What are the main Neighbourhood Environment characteristics of Scarborough residents, and how they relate to physical activity, sedentarism, access to services, and well-being?
- What are the main mobility barriers of disabled people, and what aids and assistive devices do not work as expected?
- What are the overall self-reported mental health and well-being outcomes?
- What barriers do Scarborough residents face in accessing health and COVID-19 vaccines?

Social capital module

Main research goal:

To recognize the main dimensions of social capital and their impacts on quality of life of Scarborough residents

Research questions:

- What are the groups or organizations, networks, or associations in which people/households are members?
- How high are trust and solidarity levels in Scarborough communities?
- How organized are collective actions and neighborhood cooperation? Do people know or participate these forms of organization?
- How high are social cohesion levels at the neighborhood level? Do people feel included in the community?

Politics module

Main research goal:

To understand the relationship between political ideology and local development/investment preferences in the Scarborough context

Research questions:

- What are the main trends in political ideology in Scarborough?
- What is the relationship between political ideology and political thoughts/preferences at neighborhood/city scale?
- What values/priorities do Scarborough residents have regarding urban investments?

References

City of Toronto (2018). City of Toronto Community Council Area Profiles (2016 Census). Available at: https://www.toronto.ca/wp-content/uploads/2018/05/8f80-City_Planning_2016_Census_Profile_2014_Wards_CCA_Scarborough.pdf

TCAT (2018). Scarborough Cycles. The Centre of Active Transportation. Available at: <https://www.tcat.ca/wp-content/uploads/2018/06/Scarborough-Cycles-Snapshot-1.pdf>

Methods

Describe formal/informal procedures to be used

We will adopt a mixed strategy for survey recruitment to have a representative and cost-efficient sample. Considering that the target sample size is 9,500 people (~ 1% of the Scarborough population), the proposed data collection method is mixed, using both online and in-person strategies.

The proposed steps are:

1. Launching the survey on social media using Facebook Ads. The research team has experience working with social media surveys, being a cost-effective way to reach a high number of participants (Zhang et al., 2020).
2. Adjusting participant's eligibility criteria using Facebook Ads. Facebook Ads allows spatial and demographic targets for advertisements. Using Census information, we will adjust participant targets using location, education, gender, age, and behavior criteria for a more holistic representation of the Scarborough population.
3. In-person strategy. Given the well-known problems about biased social media samples (Ribeiro et al., 2020), we will use Census data to plan a purposeful sampling using an in-person strategy. We will use door-to-door surveys, invitations, and mailboxes when possible due to the COVID-19 pandemic. For now, our research only consider online methods, using social media. We will amend this protocol before administering the survey in person, providing a more detailed strategy about recruitment, people involved, locations selected and the Face-to-Face Human Participant COVID-19 Risk Assessment Form. Specialized survey weightings strategies to recreate a representative population from the mixed sampling approach will be needed, such as multiproportional fitting (Ampt & Ortúzar, 2004).

The online survey will be created and administered using the University of Toronto license for Qualtrics. There will be six modules for this survey: sociodemographic, mobility and the built environment, automobility, health, social capital, and politics (see Full Survey document attached). Each respondent will answer a core module (sociodemographic and mobility modules plus one or two questions for each other module. Please see Core Survey document attached) and a subset of 2 additional complete modules. This way, we will have different versions of the survey, having an informative but feasible instrument. The survey itself will take approximately 15 to 20 minutes to complete. The survey instrument (documents attached) is at the 90% design stage but will undergo minor editing during our piloting and testing in January 2022. Initially we will launch an English language survey, but we will amend this protocol before administering the survey in other languages.

The survey design involved the community. From a bottom-up approach, we wanted to understand the needs and priorities of the communities who experience daily barriers and difficulties regarding transportation and wellbeing and what they would like their neighborhoods to look like. Therefore, two listening circles have been organized along with the Community Partnership & Engagement (CPE) team at UTSC to obtain feedback from the Scarborough communities to complement and validate the final questionnaire.

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The survey will be assessed in two ways. First, we will calculate summary statistics in aggregate for a public report. This is the same report that people will have available in our website. The summary statistics will contain cross-tabulations, ensuring that every statistic presented represents at least 10 data points. When reporting findings in presentations or written reports, data will be aggregated to dissemination areas to increase the anonymity of participants. Second, the survey will also be analysed through quantitative methods (regression techniques) and qualitative techniques (content analysis) for open questions. Each module (mobility and built environment barriers, automobility, access to services, politics, social capital, and health outcomes) will provide different insights about Scarborough reality. These analyses will be complemented with open source mapping techniques to enrich the findings.

Copies of questionnaires, interview guided and/or other instruments used

Document Title	Document Date
Core Survey	2021-12-06
Full Survey	2021-12-06

Clinical Trials

Is this a clinical trial? ☐ Yes ☒ No

6 - Participants and Data

Participants and/or Data

What is the anticipated sample size of number of participants in the study? 9,500

Describe the participants to be recruited, or the individuals about whom personally identifiable information will be collected. List the inclusion and exclusion criteria. Where the research involves extraction or collection personally identifiable information, please describe where the information will be obtained, what it will include, and how permission to access said information is being sought.

A person is eligible to participate if they reside in Scarborough (postal code starts with M1) and are age 18 or older. There is no maximum age cut-off as we aim to include seniors in our sample.

The sociodemographic information module will collect personal information about the participant like their age, gender, birth country, education level, and racial/ethnic self-identification. In order to make intra- and inter-neighborhood comparisons, we will also ask participants to provide their postal code in the survey portion of the study upon receiving their informed consent. Individual postal codes will not be shared with anyone outside of the research team and, during analysis, will be aggregated into forward sorting areas (i.e., grouped by first three characters of the postal code) to prevent identification of specific households. For future publications and presentations, all names will be replaced with pseudonyms.

There is low group and individual-level vulnerability related to this research study. The topical focus is on perceptions of the neighborhoods that respondents live in and their levels of satisfaction with different areas of public policy and/or services. There is very low emotional and physical risk for participants.

Is there any group or individual-level vulnerability related to the research that needs to be mitigated (for example, difficulty understanding consent, history of exploitation by researchers, or power differential between the researcher and the potential participant)?

☐ Yes ☒ No

Recruitment

Is there recruitment of participant? ☒ Yes ☐ No

Recruitment details including how, from where, and by whom

We will adopt a mixed strategy for survey recruitment to have a representative and cost-efficient sample. Considering that the target sample size is 9,500 people (~ 1% of the Scarborough population), the proposed data collection method is mixed, using both online and in-person strategies.

The proposed steps are:

1. Launching the survey on social media using Facebook Ads (see Survey Visual attached). The research team has experience working with social media surveys, being a cost-effective way to reach a high number of participants (Zhang et al., 2020).
2. Adjusting participant's eligibility criteria using Facebook Ads. Facebook Ads allows spatial and demographic targets for advertisements. Using Census information, we will adjust participant targets using location, education, gender, age, and behavior criteria for a more holistic representation of the Scarborough population.
3. In-person strategy. Given the well-known problems about biased social media samples (Ribeiro et al., 2020), we will use Census data to plan a purposeful sampling using an in-person strategy. We will use door-to-door surveys, invitations, and mailboxes when possible due to the COVID-19 pandemic. We will amend this protocol before administering the survey in person, providing a more detailed strategy about recruitment, people involved, locations selected and the Face-to-Face Human Participant COVID-19 Risk Assessment Form.

Is participant observation used? ☐ Yes ☒ No

Will translation materials be used/required? ☒ Yes ☐ No

Description of translation materials

The survey instrument (provided in Core Survey and Full Survey documents, section 5) is at the 90% design stage but will undergo minor editing during our piloting and testing in January 2022. Initially we will launch an English language survey. Before administering the survey in other languages to reach specific

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communities within Scarborough, we will amend this protocol providing a clear strategy about how this will occur and people responsible for recruitment.

Attach copies of all recruitment posters, flyers, letters, email text, or telephone scripts

Document Title	Document Date
Facebook Flyer	2021-12-06

Compensation

Will the participants receive compensation? ☒ Yes ☐ No

Type of Compensation

☒ Financial

☐ In-kind

☐ Other

Compensation Justification Details

After completing the survey, the participants have an opportunity to enter an email address into a raffle for \$50 gift cards to Presidents' Choice that are redeemable at most grocery stores. The research team will be giving away 100 gift cards of \$50 (total of \$5000). Winners will be selected using a random lottery draw and notified via email.

Is there a withdrawal clause in the research procedure? ☒ Yes ☐ No

Is compensation affected when a participant withdraws?

Data linked to any respondents who withdraw will be discarded. The participant will be informed that they may keep any gift certificates they received for participating.

7 - Investigator Experience

Investigator Experience with this type of research

Please provide a brief description of the previous experience for this type of research by the applicant, the research team, and any persons who will have direct contact with the applicants. If there is no previous experience, how will the applicant and research team be prepared?

Ignacio Tiznado-Aitken holds a Ph.D. in transportation engineering from the Pontificia Universidad Católica de Chile (PUC). His research interests encompass qualitative and quantitative methods to address transport justice issues and focuses on sustainable transport, public transport, equity, gender, accessibility and affordability. Ignacio has held positions as a postgraduate researcher at the Institute for Transport Studies, University of Leeds and as a postdoctoral researcher at the Center for Sustainable Urban Development (CEDEUS). Currently, Ignacio is working as a postdoctoral researcher at the Department of Human Geography, University of Toronto, and as a research coordinator of the Suburban Mobilities Cluster. His Ph.D. (2016-2020) focused on accessibility and affordability impacts on transport-related inequalities and poverty, using programming skills for managing public transport and housing databases, GIS tools, and in-depth qualitative techniques. Since 2015, Ignacio has participated in several local and international research projects designing and analyzing surveys, exploring (i) gender issues, (ii) accessibility in periurban areas, (iii) transport justice in Chilean cities, among others. During the pandemic, Ignacio developed with Chilean colleagues a social media survey using Facebook Ads, which allowed him to dominate the platform.

Steven Farber is an Assistant Professor in the Department of Human Geography at UTSC and the tricampus Department of Geography and Planning. He is the lead of the UofT School of Cities Urban Mobility Cluster and serves on the Academic Steering Committee of the University of Toronto Transportation Research Institute. He is the outgoing chair of the Social and Economic Factors Committee of the Transportation Research Board, one of the U.S. National Academies of Science. He is the author of more than 60 peer-reviewed articles spanning topics in transportation analysis, urban data science, spatial econometrics, public transportation, mobility justice, and the urban determinants of social interaction opportunities. He has extensive experience using transportation surveys throughout his career. Among the most recent, he was Principal Investigator on the COVID and Public Transportation during the pandemic survey (using Facebook Ads), the Belleville Ontario on-demand transit survey and the Syrian newcomers in the Durham Region survey.

Nicholas Spence is an Assistant Professor, cross-appointed in the Department of Sociology and Interdisciplinary Center for Health Society, at the University of Toronto. He holds a PhD in sociology, with extensive multidisciplinary research experience, including several post-PhD fellowships, at the University of Western Ontario, Center for Addiction and Mental Health, University of Alberta, Harvard University, and Massachusetts General Hospital, across social science, public health, and medicine. Nicholas's work is ecological in scope, across a variety of settings and levels of analysis, ranging from individual to contextual, contributing directly to evidence informed clinical and policy decision making related to health, well-being, and social inequality. He is theoretically and methodologically versatile, with extensive expertise in quantitative methods and surveys.

The rest of our team in the Suburban Mobilities Cluster (<https://www.utoronto.ca/suburban-mobilities/faculty>) completes a diverse, multidisciplinary team from five different departments at UTSC with extensive experience using quantitative methods for research and the extensive use of surveys for further analysis. This multidisciplinary approach is then translated into the design process to study mobility and built environment barriers, automobility, access to services, politics, social capital, and health outcomes among zones and population groups in Scarborough. The cross-cutting theme of this survey is related to equity issues, including the role of the COVID-19 pandemic in exacerbating existing barriers and inequalities. The survey seeks to connect and explore relationships between the topics above, generating a unique instrument to connect multidisciplinary research interests.

Are community members collecting and/or analyzing data? ☐ Yes ☒ No

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8 - Possible Risks and Benefits

Possible Risks

Potential Risk Details:

- Physical Risks ☐ Yes ☒ No
- Psychological/emotional Risks ☒ Yes ☐ No
- Social Risk ☒ Yes ☐ No
- Legal Risk ☐ Yes ☒ No

Risk Description

Participants may experience some emotional risk in sharing their lived experiences as it relates to the themes of the study. Survey questions that might be especially sensitive are those related to self-reported health and mental health, political views, and challenges or barriers faced by participants when using transit. When asking participants to respond to questions regarding these subjects, there is some potential risk that they may reveal confidential information regarding personally held values that could harm their reputation.

However, we aim to mitigate this risk in three ways: i) the survey avoids using value-laden language; ii) participants may choose not to answer a question; iii) participants may withdraw from the study by exiting the survey at any point; and iv) links and phone numbers to health resources will be displayed with questions related to self-reported health. We will also take every precaution feasible to anonymize the data collected as outlined in the Confidentiality and Privacy section of this application. The informed consent document outlines the confidentiality and privacy plan so that participants are made aware of how their data will be used, stored, and kept confidential. Examples of potentially sensitive questions that will be asked are:

- 1) How would you describe the state of your physical health?
- 2) How would you describe the state of your mental health?
- 3) Please rate your satisfaction with different areas of your life (e.g., finances, life as a whole).

For information about mental health services in your region, please consider contacting the ConnexOntario Mental Health Helpline at 1-866-531-2600 or by visiting ConnexOntario.ca

There are no physical risks involved with this study that exceed those the participants would encounter during the course of an ordinary day. The survey will be designed to take no longer than 20 minutes to complete. Participants will be able to save their progress and return to the survey if they do not wish to complete the survey in one sitting.

The study poses minimal social risk which, in this application, is understood to mean potential loss of status, privacy, and/or reputation. While respondents will be asked to share information about themselves that may carry social risk, such as political orientation, the close-ended nature of the majority of the survey questions prevents respondents from explicitly expanding on their responses. Moreover, great care will be taken to prevent data breaches from occurring by password protecting any files containing participant information in addition to having data stored on University of Toronto-hosted servers and Qualtrics accounts linked to University of Toronto licensed users.

There are no conceivable legal risks that respondents would be taking by participating in the study.

Potential Benefits

Benefit Description

There are direct and indirect benefits to participants who take part in the study.

Direct benefits to participating: Chance to win a \$50 Presidents Choice gift card that may be used at a number of grocery stores in Canada. A second direct

9 - Consent

Consent Process Details

As per TCPS2 guidelines, consent for this study will be an ongoing process. Participants will be informed of the risks of participating in the survey upon accessing the survey online and will be reminded that they may withdraw from the study by exiting the survey. Once one week has passed, the incomplete survey will be discarded along with any information collected within the survey. Upon completing the survey, participants will be informed that they may contact the principal investigator in the event that they wish to withdraw from the study. Participants may withdraw until analysis of data has begun and will be notified of this time limitation in the informed consent document.

Uploaded letter/consent form(s)

Document Title	Document Date
Informed Consent	2021-12-06

Is there additional documentation regarding consent such as screening materials, introductory letters etc.: ☐ Yes ☒ No

Uploaded letter/consent form(s)

Will any information collected in the screening process - prior to full informed consent to participate in the study - be retained for those who are later excluded or refuse to participate in the study? ☐ Yes ☒ No

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Is the research taking place within a community or organization which requires formal consent be sought prior to the involvement of the individual participants ☐ Yes ☒ No

Are any participants not capable (e.g.: children) of giving competent consent? ☐ Yes ☒ No

10 - Debriefing and Dissemination

DeBrief

Will deception or intentional non disclosure be used? ☐ Yes ☒ No

Will a written debrief be used? ☐ Yes ☒ No

Do participants/communities have the right to withdraw their data following the debrief? ☐ Yes ☒ No

Information Feed Back Details following completion of a participants participation in the project

We hope the data we collect and reports we write will directly support the needs of Scarborough residents, especially those who may be strongly impacted by difficult transportation situations. We will generate a public report with the main results that will be available in our website (<https://www.utsc.utoronto.ca/suburban-mobilities/>). After that, the Community Partnership & Engagement team at UTSC and our team will organize a public event with stakeholders and community organizations. The main objective of this event will be to disseminate the results and to hear about what specific research products would be useful to the community (data, reports, training, among others) that best aligns with all the work and initiatives that Scarborough communities already have underway.

Procedural details which allow participants to withdraw from the project

The first page that will appear on the online survey is the informed consent document (see the attached document). Participants will be given the option to decline participating and may only proceed to the rest of the survey if they agree to participating on the first page. The informed consent document will explain that withdrawal from the study is not possible once data analysis begins. At the end of the survey, a screen will appear with contact information for the research team. Respondents will be informed that they may contact the research team if they have questions about the study or wish to withdraw.

☐ Not Applicable

What happens to a participants data and any known consequences related to the removal of said participant

Data linked to any respondents who withdraw will be discarded. The participant will be informed that they may keep any gift certificates they received for participating.

☐ Not Applicable

List reasons why a participant can not withdraw from the project (either at all or after a certain period of time)

Once data processing has begun, it will be onerous to try to match specific individuals with their de-identified data considering the large size of the target sample. Participants may withdraw before data analysis begins (May 1, 2022).

☐ Not Applicable

11 - Confidentiality and Privacy

Confidentiality

Is the data confidential? ☒ Yes ☐ No

Will the confidentiality of the participants and/or informants be protected? ☒ Yes ☐ No

List confidentiality protection procedures

Only core members of the research team will have access to the data collected through Qualtrics. Participants will be assigned a random alphanumeric identifier and, if quoted in subsequent presentations or reports, given a pseudonym. The most sensitive potentially personally identifiable information the survey will collect is the respondent's postal code. When reporting findings in presentations or written reports, data will be aggregated to dissemination areas to increase the anonymity of participants.

Survey responses that contain postal codes will be exported to an encrypted, password-protected Excel spreadsheet and stored to University of Toronto OneDrive folders by the Principal Investigator(s).

Are there any limitations on the protection of participant confidentiality? ☐ Yes ☒ No

Is participant anonymity/confidentiality not applicable to this research project? ☐ Yes ☒ No

Data Protection

Protocol #:31300

Status:Sent to Chair / Dire

Version:0001

Sub Version:0000

Approved On:

Expires On:

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OFFICE OF RESEARCH ETHICS

McMurrich Building, 12 Queen's Park Crescent West, 2nd Floor, Toronto, ON M5S 1S8 Canada

Tel: +1 416 946-3273 ● Fax: +1 416 946-5763 ● ethics.review@utoronto.ca ● <http://www.research.utoronto.ca/for-researchers-administrators/ethics>

Describe how the data (including written records, video/audio recordings, artifacts and questionnaires) will be protected during the conduct of the research and subsequent dissemination of results

Only core members of the research team will have access to the data collected through Qualtrics. Participants will be assigned a random alphanumeric identifier and, if quoted in subsequent presentations or reports, given a pseudonym. The most sensitive potentially personally identifiable information the survey will collect is the respondent's postal code. When reporting findings in presentations or written reports, data will be aggregated to dissemination areas to increase the anonymity of participants.
Survey responses that contain postal codes will be exported to an encrypted, password-protected Excel spreadsheet and stored to University of Toronto OneDrive folders by the Principal Investigator(s).

Explain for how long, where and what format (identifiable, de-identified) data will be retained. Provide details of their destruction and/or continued storage. Provide a justification if you intend to store identifiable data for an indefinite length of time. If regulatory requirements for data retention exists, please explain.

Data will be exported from the Qualtrics server and saved to the Principal Investigator's University of Toronto OneDrive folders. An anonymized version of the full survey will be stored in perpetuity to allow for publications and future projects.

Will the data be shared with other researchers or users? ☒ Yes ☐ No

Please describe how and where the data will be stored and any restrictions that will be made regarding access. How will participant consent be obtained? If data is to be made open access, please describe how and where they will be maintained.

Data will be exported from the Qualtrics server and saved to the Principal Investigator's University of Toronto OneDrive folders. A smaller set of the data that removes all potentially identifying participant data will be made publicly available in our website. In particular, we will remove names, addresses, but retain the first three digits of postal codes to enable aggregated geographical analysis.

12 - Level of Risk and Research Ethics Board

Level of Risk for the Project

Group Vulnerability

Research Risk

Risk Level

Explanation/Justification

Explanation/Justification detail for the group vulnerability and research risk listed above

The risk posed by this project is low. Several questions may cause discomfort for respondents and this is addressed by making sure respondents know: a) those questions are optional except for postal code, and b) that the respondent may quit or withdrawal at any time.

Research Ethics Board

REB Associated with this project

13 - Application Documents Summary

Uploaded Documents

Document Title	Document Date
Core Survey	2021-12-06
Full Survey	2021-12-06
Facebook Flyer	2021-12-06
Informed Consent	2021-12-06

14 - Applicant Undertaking

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I confirm that I am aware of, understand, and will comply with all relevant laws governing the collection and use of personal identifiable information in research. I understand that for research involving extraction or collection of personally identifiable information, provincial, federal, and/or international laws may apply and that any apparent mishandling of said personally identifiable information, must be reported to the office of research ethics.

As the Principal Investigator of the project, I confirm that I will ensure that all procedures performed in accordance with all relevant university, provincial, national, and/or international policies and regulations that govern research with human participants. I understand that if there is any significant deviation in the project as originally approved, I must submit an amendment to the Research Ethics Board for approval prior to implementing any change.

☒ I have read and agree to the above conditions

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