

## Supplementary Material

## Appendix 1 - Mobility and Health Biography Grid

[illegible]

## **Appendix 2 – Written Informed Consent Term**

*[Translated from the original version in Portuguese]*

### **FREE AND INFORMED CONSENT TERM**

You are being invited to participate in the research Project "Voluntary Geographic Information in the COVID-19 pandemic in the Global South" in the city of São Paulo. Your collaboration in this study is VERY IMPORTANT, but the decision to participate is VOLUNTARY, which means that YOU will have the right to decide whether or not to participate, as well as to give up participating at any time. This research, carried out in partnership with the University of Hamburg, aims to understand the motivations behind mobility behavior during the pandemic, as well as exposure to the virus in different social groups living in three different areas in the municipality of São Paulo. We guarantee that confidentiality of information and ANONYMITY will be maintained. That is, your name will not be mentioned in any case or circumstance, even in scientific publications. The RISKS related to this study are linked to a possible tiredness due to the time of completion of the questionnaire, biographical grid and/or participation in the focus group, as well as some kind of discomfort or embarrassment regarding the questions asked by the researcher. The BENEFITS related to participation in the research may be indirect or resulting from reflections about changes in their mobility and exposure to the virus in recent years, which can be raised by the answers to the questionnaire, the biographical grid and by participation in the focus group. By prior appointment, a questionnaire will be completed with a trained researcher. In addition to sociodemographic questions, the questionnaire will be related to mobility choices and behaviors of exposure to the virus during the COVID-19 pandemic period. Next to the questionnaire, a Biographical Mobility and Health Grid will also be completed, which represents a timeline of mobility behavior in the last three years - from 2018 to 2021. The grid aims to establish a visual record of the mobility and health experience before the pandemic, as well as the dynamics of change during it, involving topics related to changes in residence, employment, education, family and health aspects. Later, by prior appointment, you will be invited to participate in a face-to-face focus group among the volunteer participants of the survey, the interview will be recorded audio to collect testimonials and discussions that occurred during the conversation. The discussion will be focused on the topics related to the questionnaire and the biographical grid, through which we seek to deepen the knowledge about mobility choices and behaviors of exposure to the virus during the covid-19 pandemic period. The group will take place in person in an open place and will last around 2h. All measures of social distancing will be respected for the event. If you are interested in the results of the study, it will be through scientific publications and the official research website (create one for the project). In case of doubt, you can contact \_\_\_\_\_.

### **DATA FROM THE RESEARCHER RESPONSIBLE FOR THE RESEARCH PROJECT:**

Full name:

Doc. Identification:

Full address:

Email address:

**VOLUNTEER ID AND CONSENT** (*IDENTIFICATION AND AUTHORIZATION OF THE LEGAL GUARDIAN - When it comes to vulnerable population; FEELING/CONSENT OF VULNERABLE PARTICIPANT - When it comes to vulnerable population*):

Full name:

Doc. Identification:

Place and date:

(legal representative identified above)

## **Appendix 3 – Questionnaire Focus Groups**

### *Introduction*

1. General introduction to the research project, including the context of the pandemic in Brazil, its different phases, and the questions regarding mobility decisions on which the product focuses.
2. Did someone you know get COVID-19? Were they vaccinated?
3. What are your current mobility practices (daily routine)?
4. How has the pandemic affected your physical and mental health so far?
5. Have you perceived public support during the pandemic? What kind? Why or why not?
6. Did the quality of health services change during the pandemic? Did specialized healthcare change? How?

### *Questions related to general behavior:*

1. How have you dealt with social events during the pandemic? (e.g., visiting friends, relatives, parties, leisure in general)
2. What factors influenced your exposure to the virus, whether that means more or less exposure (e.g., WhatsApp groups, social media, traditional media - radio, TV, official government statements) (vaccination, time at home, children)
3. If you experienced an event that radically changed the way you acted during the pandemic, what was it? How did you learn about it, and how did you decide to change your behavior? (i.e., co-workers, family members, neighbors, acquaintances)
4. Do you think community strategies helped you deal with the pandemic? How? Bear in mind the border between services and where community support is.

### *Questions related to mobility habits:*

1. Do the participants leave the house as often as before COVID? How much has the pandemic affected their decision?
2. Did the transportation that you used most before the pandemic change during the pandemic? Why?
3. Has the pandemic reduced or increased your job opportunities? (Have you left your job, started a new company, etc?)
4. How did your work and work environment influence your exposure to the virus? Did you feel exposed because of it?
5. How did the pandemic change your shopping behavior? (e.g., frequency, types of stores, location, online)
6. How much did you change your behavior to perform other essential activities outside the home during the pandemic?