

Demographics:

- a. Do you mind if I ask your age?
- b. What is your gender?
- c. What is your household income range, roughly?
 - a. <=25K
 - b. >25K && <=50K
 - c. >50K && <=75K
 - d. >75K && <=100K
 - e. >100K)
- d. What is your occupation? (Retired?)
- e. Do you have any kind of disability? [If any could you tell me about your disability?]
- f. Are there any technologies or devices that you use to help you with your daily activities? (Walking stick, hearing aid, wheelchair, assistive technology or mobile app, etc.)

1. Experiences planning day trips

- a. How frequently do you plan and take day trips (e.g., daily, weekly, monthly, one in a while)
- b. Which do you use most frequently: your own transportation, public transportation, taxi/rideshare service (Uber, Lyft etc.), organized transportation (i.e., from medical provider)?
- c. Are you usually alone, with a companion, or in an organized group setting?
- d. Tell me about general environment settings of the travel: urban areas, suburban

2. The process of planning day trips (i.e., planning a route)

- a. What tools do you use to assist with planning for familiar/unfamiliar places?
- b. Do you take any kind of assistance in planning those routes?
 - a. How about navigation technologies like in-car GPS maps or mobile apps like Google Maps or Apple Maps?
- c. How far in advance do you plan these routes?
- d. How do you know that the route you chose is an appropriate one for you?
- e. What types of information do you need to know about the destination or points on a route?
- f. Does it make a difference if planning a day trip (route) to a familiar vs unfamiliar place?
- g. Does it make a difference to know whether the route is accessible or not?

3. Navigating indoor environments

- a. What are the indoor places that you typically visit? (For example, theaters, hospital, airport, school, government building, etc.)
 - a. [stimuli: familiar/unfamiliar, large/small, crowded, non-accessible]

- b. Tell me about your experiences of navigating these indoor environments
 - a. [positive/negative, challenges]
 - c. Do you make any preparations ahead of time (i.e., asking others for help near the destination, calling the destination in advance, getting advice on routes)?
 - d. Have you ever failed to reach the desired destination after planning a route? If so,
 - a. Why do you think this happened?
 - b. What did you do in response?
 - e. When you are planning a route or navigating an indoor location, are there any specific features of the building which would be helpful to know about?
 - f. How about features in an indoor place that you prefer to avoid on your route?
 - g. [Do you think any of these features would help people in a similar group/with similar disabilities?]
 - a. [Which features would help users with other types of disabilities.]
4. Accessible route planning and trust
- a. Some buildings and campuses for example provide accessible map of the areas (routes that are accessible by wheelchairs or have ramps to travel through more easily). Have you ever thought of or tried using accessible routes using this information?
 - b. Do you ever plan multiple routes ahead of time just in case one fails?
 - c. Do you trust in navigation assistance you receive from others?
 - d. How about putting trust in the infrastructure of the outdoor area or indoor place you are navigating?
 - e. Do you trust your skills and the complimentary tools or assistance you get for navigating from point A to point B when planning a route?
 - f. What makes you trust or not trust information received from third parties, mobile apps, physical maps etc.? (if applicable)
5. Apps for the future
- a. Imagine you have an app on your mobile that can provide you with a map of the desired buildings you wish to navigate (similar to Google Maps, but in indoor settings). What are the most important features/information to represent (say, offices, restaurants, or like security check in an airport).
 - b. What type of cues do you prefer when the mobile app presents directions? (e.g. auditory, visual, vibration, a combination, etc.)
 - c. How far in advance do you prefer the app to present the next direction to you?
 - d. Do you want that next direction to be repeated? More than once?
 - e. Would you be comfortable if the technology could make decisions for you while navigating (e.g., controlling the wheelchair to make turns)?
 - a. Do you trust it?