

Welcome to our survey!

The George Washington University and the Toyota Mobility Foundation are working together to better understand how people are using public transportation in the DC metro area as well as the City-wide mobility options and infrastructure to find ways to improve the experience. We appreciate your participation in this survey. Taking part is completely voluntary and even if you decide you want to, you can quit at any time.

Please read the following consent form before continuing

Informed Consent Form
DC Transportation Evolvability Study
IRB #NCR202783

Principal Investigator: John Helveston, Ph.D., (202) 994-7173

INTRODUCTION

You are invited to take part in a research study being conducted by John Helveston, Ph.D., Assistant Professor in Engineering Management and Systems Engineering at the George Washington University. This study is being sponsored by the Toyota Mobility Foundation.

You are being asked if you want to take part in this study because you are a resident of the greater DC metro area. Please read this form and ask us any questions that will help you decide if you want to be in the study. Taking part is completely voluntary and even if you decide you want to, you can quit at any time.

You must be at least 18 years old to take part in this study. You are 1 of up to 15,000 people taking part in this study at GWU. If you decide to take part and then change your mind you can quit at any time.

PROCEDURES

The total amount of time you will spend in this study is 10 minutes one day.

RISKS & CONFIDENTIALITY

The study has the following risks:

You are free to skip any questions or stop taking the survey at any point. We are not collecting your name or other identifiable information about you, and all data will be encrypted. The records of this study will be kept private. In any published articles or presentations, we will not include any information that will make it possible to identify you as a subject. Your records for

the study may be reviewed by departments of the University responsible for overseeing research safety and compliance.

You need not respond to the demographic questions at the end, including questions about age, gender identification, ethnicity, and formal education. We collect this information strictly for the purposes of performing demographic cross-tabulations of the data. Survey responses without answers to demographic question may exclude your response from being included in some cross-tabulations of that data. Data without demographics may still be presented in some aggregated totals.

BENEFITS

Taking part in this research will not help you directly, however the benefit to society will be a better understanding of how people make choices when taking trips through the DC metro area.

COMPENSATION

This survey is made available to respondents via Dynata, which offers great diversity in incentives as some people are motivated by cash, points, or by being able to donate to charity. Others are motivated by the chance to make a difference, make their voice heard, have fun taking a survey, helping out, or having a say in the products and services of the future. Others are motivated by learning opportunities provided by the survey or by the promise of receiving information after taking it. Dynata aims to respond to all of these individual motivations in order to provide a sample which is diverse and as representative as possible of the target population. Dynata uses a reasonable level of reward based on the amount of effort required, the population, and appropriate regional customs. Regardless of the type of incentive, the value is the same for every respondent in a given study.

QUESTIONS

Talk to the research team if you have questions, concerns, complaints, or think you have been harmed. You can contact the Principal Investigator listed on the front of this form at 202-994-7173. For questions regarding your rights as a participant in human research call the GWU Office of Human Research at 202-994-2715 or by email at ohrib@gwu.edu.

To ensure anonymity your signature is not required. Your willingness to participate in this research study is implied if you proceed.

Please enter your zip code: _____

Are you currently employed or were recently employed in the past year?

Yes

No

Do you have regular access to a car that you can drive?

Yes

No

In this survey, we will ask you about your travel preferences for **commuting to work**.

Think back to how you regularly commuted to work **before the COVID outbreak**.

On the next few pages, you will be asked to make a choice between 3 different travel trips for making this commute. Please choose your most preferred trip.

Each trip profile will have the following attributes:

- **Total Price:** The total cost for making the trip (including fuel and parking costs for car modes).
 - **Total Time:** The total time required to make the whole trip.
 - **Trip Profile:** A graphic of the trip, including the travel mode and time for each leg of the trip. The image on the right shows an example.
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If these were your only options for your commute, which would you choose?

Option 1 Option 2 Option 3

<Here respondents are shown 3 randomly generated travel options>

Example Option 1:

Start

Car (express lane)

End

Example Option 2:

Start (5 min wait)

Taxi / Uber

Transfer (10 min wait)

Bus

End

Example Option 3:

Start
Walk (10 min)
Transfer (10 min wait)
Metro
End

Great! We have just two pages left!

We'd like to know a little more about your travel options, patterns, and preferences.

Which of these modes do you regularly use to travel? (select all that apply)

- Walk
- Drive my own car
- Drive someone else's car
- Bus
- Metro Rail
- Commuter Train
- Taxi
- Uber / Lyft
- Prefer not to say
- Other:

How often do you use different routes to commute?

- I always use the same route.
- I prefer to always use the same route, but sometimes use another route if necessary.
- I sometimes alternate between two or more routes.
- I regularly alternate between two or more routes.

How much flexibility do you have in when you arrive to work?

- I must arrive on time every day otherwise I could face serious consequences (for example, I could get fired).
- I can arrive 5-10 minutes late with only minor consequences.
- I can arrive 5-10 minutes late without consequences, but not much later.
- I can arrive any time.

Federal and state guidelines consider employees in the following work areas as “essential workers”:

- Energy

- Child care
- Water and wastewater
- Agriculture and food production
- Critical retail (i.e. grocery stores, hardware stores, mechanics)
- Critical trades (construction workers, electricians, plumbers, etc.)
- Transportation
- Nonprofits and social service organizations

According to this definition, are you an essential worker?

- Yes.
- No.

To what degree do you agree with the following statements?

Strongly Disagree Disagree No Opinion Agree Strongly Agree

Public transit is...

- Reliable
- Clean
- Safe
- Convenient
- Affordable

To what degree do you agree with the following statements?

Strongly Disagree Disagree No Opinion Agree Strongly Agree

- When it comes to my commute, safety comes first
 - If I can't get there safely, I'd rather not go
 - It's better NOT to travel than to risk getting hurt
 - It's OK to be late every so often
 - It's NEVER OK to be late
 - No one will mind if I'm late
 - It's OK to go a little out of my way for a better commute
 - When it comes to commuting, convenience is everything
 - I don't mind a little inconvenience in my commute
 - When it comes to commuting, cheaper is better
 - I don't mind paying more for a better commute
 - A better commute is worth paying for
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Great job!

We have just a few final questions!

We collect the following information strictly for the purposes of performing demographic cross-tabulations of the data.

In what year were you born? _____

What gender do you identify with?

- Female
- Male
- Non-binary
- Prefer not to say
- Other:

I identify my ethnicity as (select all that apply):

- Asian
- Black/African
- White
- Hispanic/Latinx
- Native American
- Pacific Islander
- Prefer not to say
- Other:

What is the highest degree or level of school you have completed? If currently enrolled, please use the highest degree received.

- Less than a high school diploma
- High school degree or equivalent (e.g. GED)
- Some college or university, no college degree
- Trade/technical/vocational training, no degree awarded
- Associate degree (e.g. AA, AS)
- Bachelor's degree (e.g. BA, BS)
- Master's degree (e.g. MA, MS, MEd)
- Professional degree (e.g. MD, DDS, DVM)
- Doctorate (e.g. PhD, EdD)
- Prefer not to say

Which of the following categories best describes your current employment status?

- I am a full time student
- Employed, working 1-39 hours per week
- Employed, working 40 or more hours per week

- Not employed, looking for work
- Not employed, NOT looking for work
- Retired
- Disabled, not able to work
- Prefer not to say

In which type of housing do you currently live?

- Apartment
- Duplex
- Condominium
- Townhome
- Stand alone home

What is your annual household income?

- Less than \$25,000
- \$25,000 - \$34,999
- \$35,000 - \$49,999
- \$50,000 - \$74,999
- \$75,000 - \$99,999
- \$100,000 - \$149,999
- \$150,000 - \$199,999
- Greater than \$200,000

How would you describe your political views?

- Very conservative
- Conservative
- Moderate
- Liberal
- Very liberal
- Prefer not to say

Has your employment status changed due to the COVID19 outbreak?

- Yes
- No
- Prefer not to say

If you have any other thoughts or feedback on the design of this survey, please let us know:

Thank you!

We appreciate you taking the time to complete our survey!