

# Travel Behavior Inventory Data Collection Program

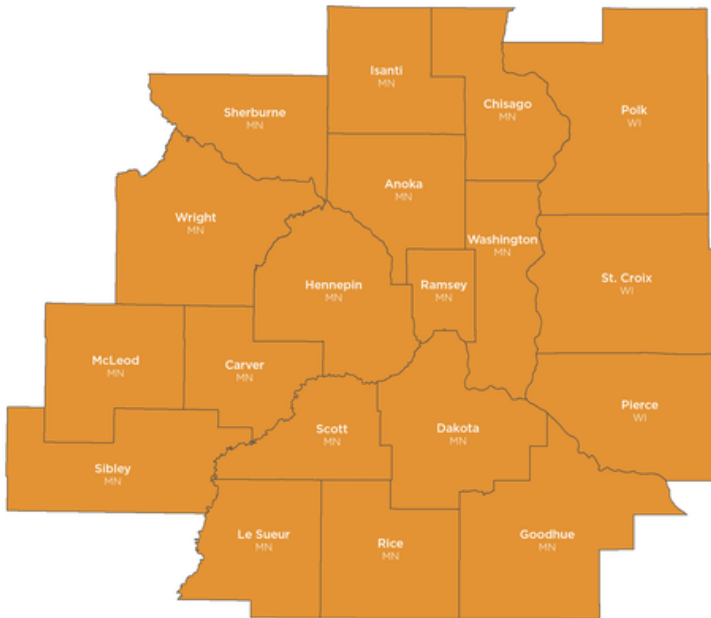
2018 – 2019 Results Analysis

April 29, 2020

# Metropolitan Council

## Travel Behavior Inventory (TBI) Household Survey

The TBI is a **household travel survey** of the greater Twin Cities region that has been conducted every 10 years since 1949.



Two significant changes in 2018:

- 1 **Recurrent** survey program every other year
- 2 Began using a **smartphone GPS application** as the primary means of data collection

# Why transition to a biennial recurrent travel survey program?

**Planners can keep pace with changes** in the transportation industry and regional development (e.g., new modes, changing neighborhoods).

Recurrent programs **1) provide opportunity for rapid improvement cycles based on recent results** and **2) create cost efficiencies** as the program evolves incrementally year over year.

***TBI recurrent program schedule – 12 months of data collection every other year***



# Wave 1 Survey Overview



**7,868**  
HOUSEHOLDS



**13,484**  
VEHICLES



**84,837**  
TRAVEL DAYS



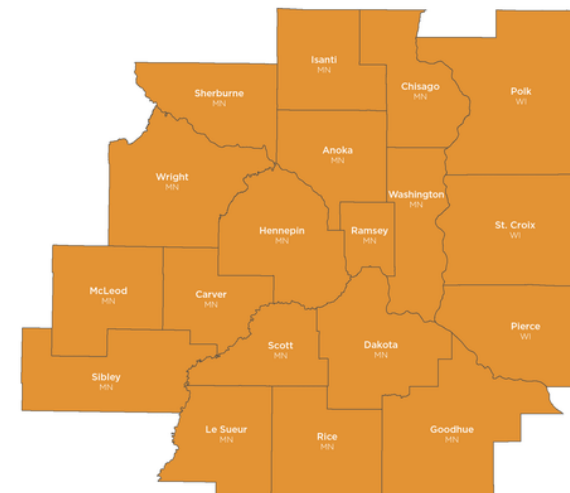
**350,447**  
TRIPS



**6,852,684**  
LOCATIONS

## SUMMARY

- Survey fielded from **October 1, 2018 through September 30, 2019**.
- **Smartphone participants completed a 7-day travel diary.**
- **Online and call center participants completed a 1-day travel diary.**
- Same questionnaire was used for smartphone, online, and call center participants.
- Survey was available in English, Spanish, Karen, Oromo, Somali, and Hmong.



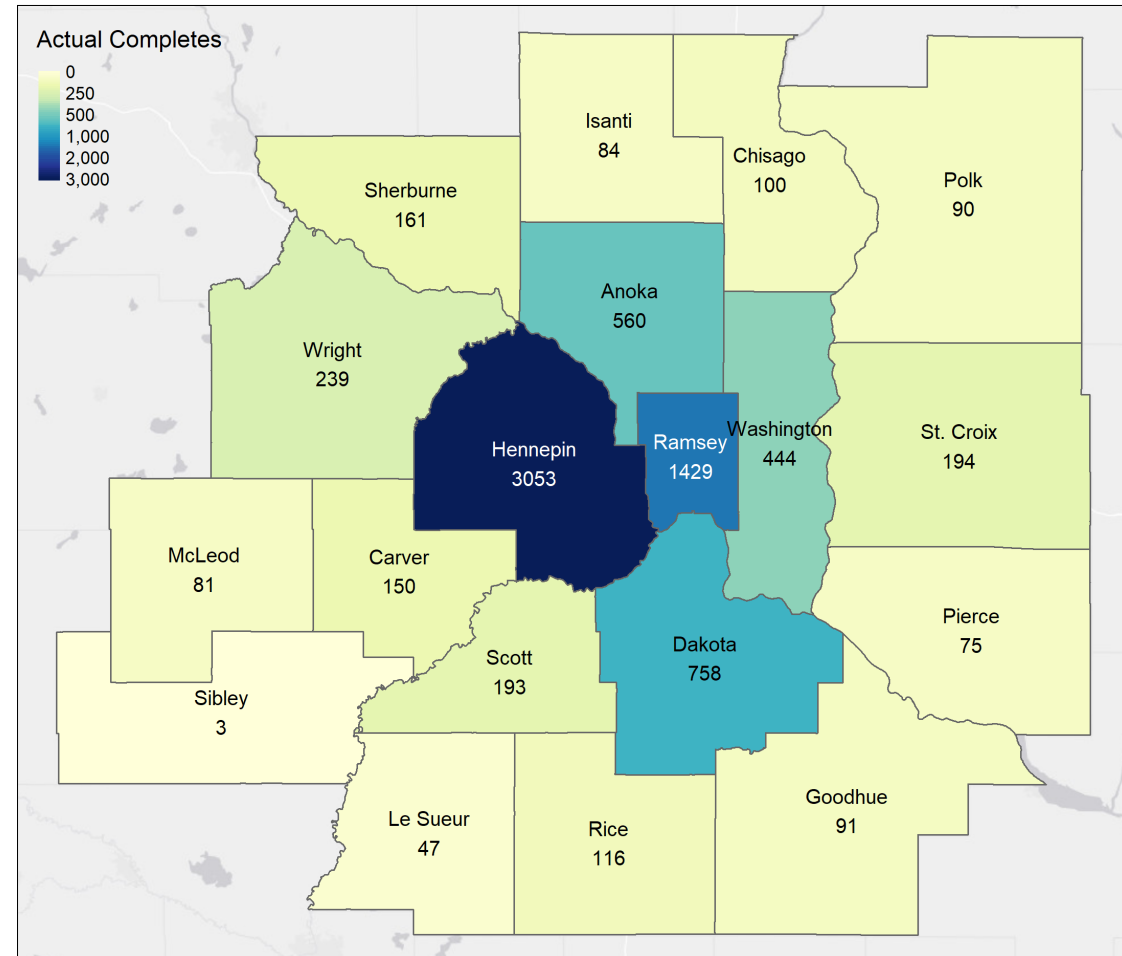


# Survey Region

**Target Completes = 7,500**

**Actual Completes = 7,868**

- The overall survey target was exceeded by 368 completes.
- Response rates varied by county and sample segment
- Compensatory oversampling was used to meet targets for hard-to-reach geographies

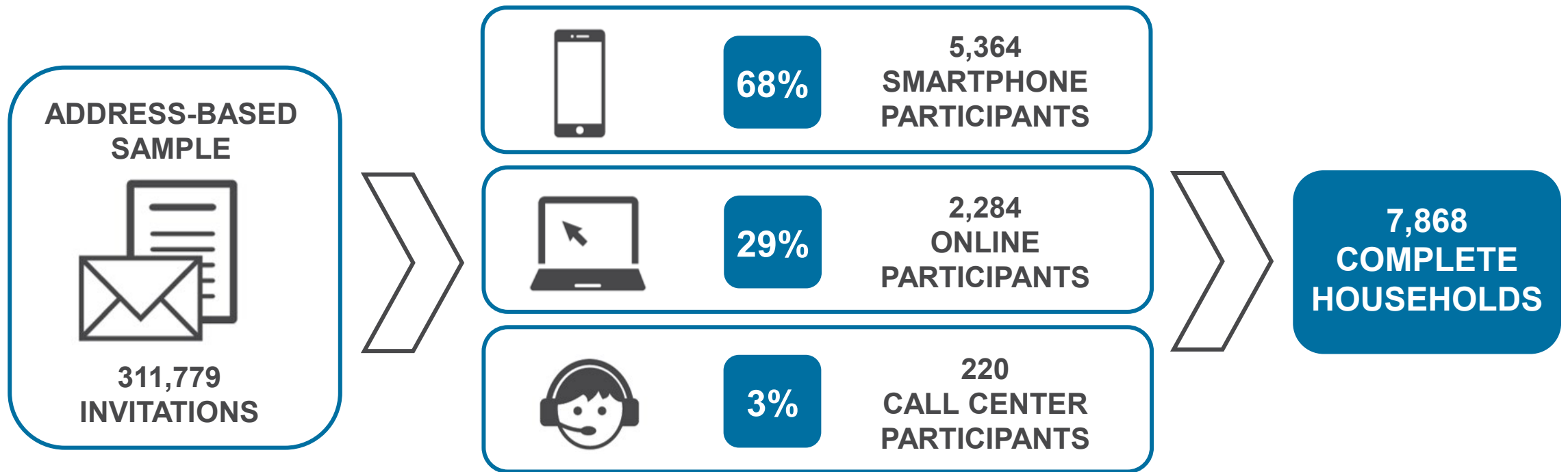




## Methodology

# Survey Design

2018-2019 TBI departed from previous iterations of the survey and **began using a smartphone GPS application** as the primary means of data collection.



# Recruitment and Engagement

## RECRUITMENT



### Mailed Invitation Materials

- Address-based sampling was used by drawing a random sample of addresses from all residential addresses in the survey region.
- An invitation letter was sent to sample addresses followed by two reminder postcards.

## ENGAGEMENT

### Informational Website

- Participate in the survey
- Answers frequently asked questions

### Call Center

- Participate in the survey
- Answer questions
- Reminder calls

### Survey Email Address

- Answer participant questions
- Send reminder emails



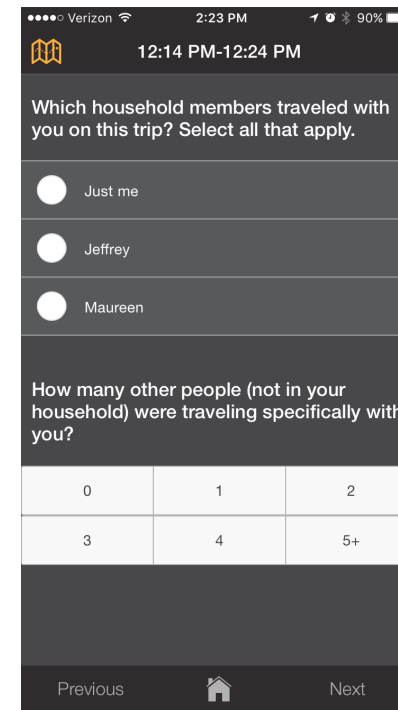
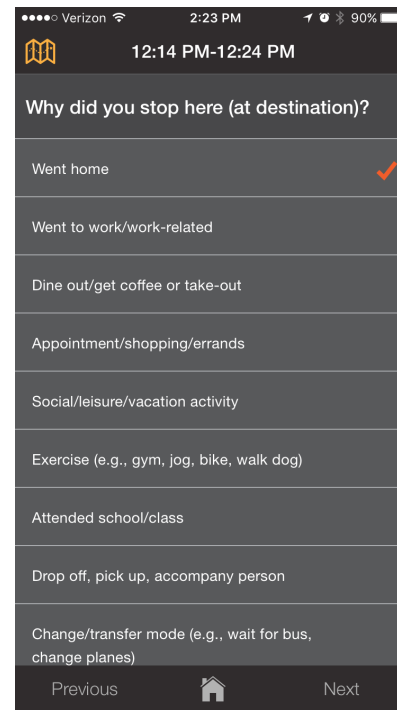
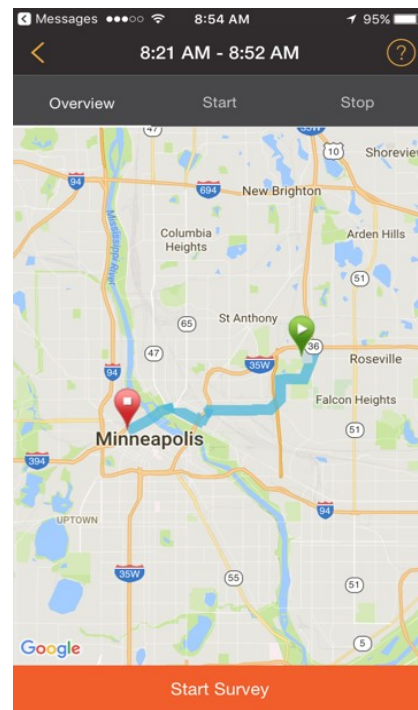
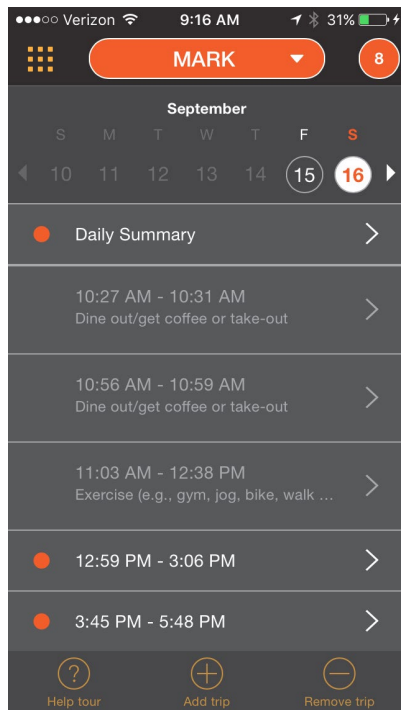


# Smartphone App Participation

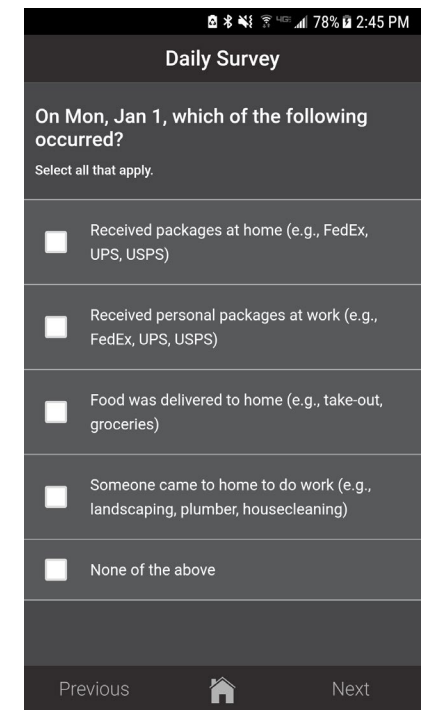


Passive/automatic collection of spatial data for seven days  
**AND** prompted in-app surveys

## TRIP SURVEY



## DAILY SURVEY



# Online and Call Center Participation

Online survey participants entered the survey through the public website using the password received in their invitation mailings.

**79% of call center participants and 55% of online participants do not own smartphones.**



[HOME](#) [PARTICIPATE](#) [ABOUT](#) [FAQS](#) [SPONSORS](#) [CONTACT US](#) [PRIVACY](#)

Select Language ▼



If you received a mailed invitation to the study, click the button below to enter your password and begin.

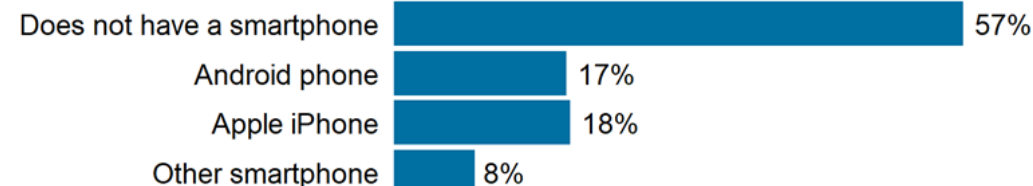
**PARTICIPATE**

*"Information is essential when it comes to making good investment decisions related to transportation. The travel behavior inventory's household survey provides us with the data we need to plan and build our region's transportation system. Your participation is greatly encouraged and appreciated as we work to address our changing transportation needs."*

*Minnesota Department of Transportation Metro District Engineer Scott McBride*

## SMARTPHONE OWNERSHIP FOR ONLINE AND CALL CENTER ADULTS

UNWEIGHTED N = 4,303

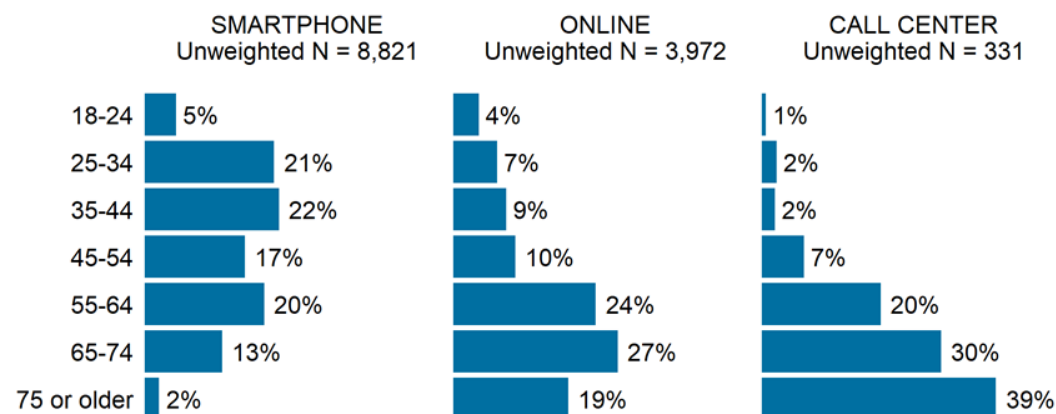


# Survey Participation and Mode Profile

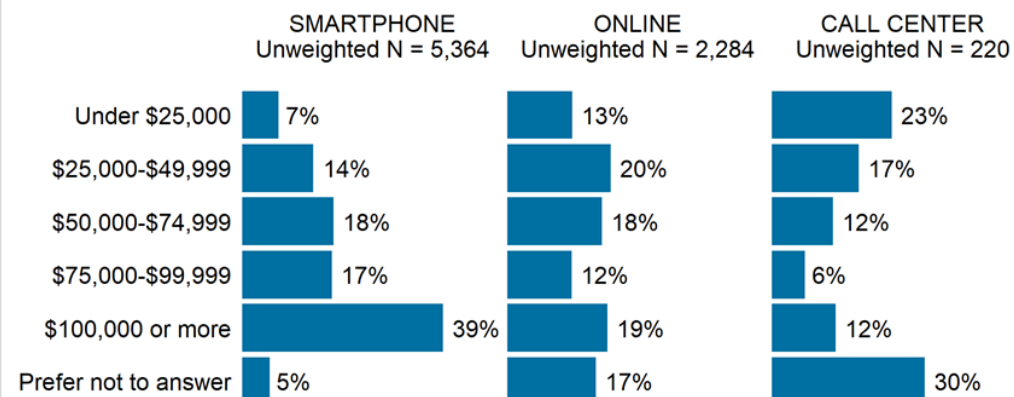
85% of smartphone participants are under age 65, while 69% of call center participants are age 65 and over.

Call center participants are more likely to decline reporting household income in comparison to smartphone and online participants.

## ADULT AGE BY SURVEY MODE



## HOUSEHOLD INCOME BY SURVEY MODE



# Survey Overview

Sample Profile

Trip Diary

Vehicle Use and Behavior

Transit Use and Behavior

Pedestrian and Micromobility Behavior

New Mobility Services

Attitudes Toward Autonomous Vehicles

Equity Analysis

## ***Please Note:***

- *All figures are weighted to represent the population of the study region unless noted otherwise.*
- *Data at the trip and day levels are weighted to represent an average weekday.*







## Sample Profile

Household and Person Demographics

# Sample Profile Overview

Demographic Breakdown.		Unweighted Sample	Weighted Sample	ACS 5-Year Average (2014-2018)
Age	Under 18	19%	25%	24%
	18 – 24	4%	7%	9%
	25 – 44	28%	27%	28%
	45 – 64	29%	27%	27%
	65 and older	21%	14%	13%
Gender	Female	53%	51%	50%
	Male	47%	49%	50%
Race	American Indian or Alaska Native	0%	0%	1%
	Asian	3%	6%	6%
	Black or African American	3%	7%	8%
	Native Hawaiian or other Pacific Islander	0%	0%	0%
	White	90%	82%	80%
	Two Races or More	3%	3%	3%
	Other	1%	2%	2%
Ethnicity	Not of Hispanic, Latino, or Spanish Origin	98%	94%	94%
	Hispanic, Latino, or Spanish Origin	2%	6%	6%
Income	Under \$25,000	10%	14%	14%
	\$25,000-\$49,999	17%	20%	18%
	\$50,000-\$100,000	37%	32%	31%
	\$100,000 or more	36%	33%	37%
Employment Status	Employed	66%	71%	72%
	Not employed	34%	29%	28%
Disability	No disability	96%	95%	90%
	Any disability	4%	5%	10%

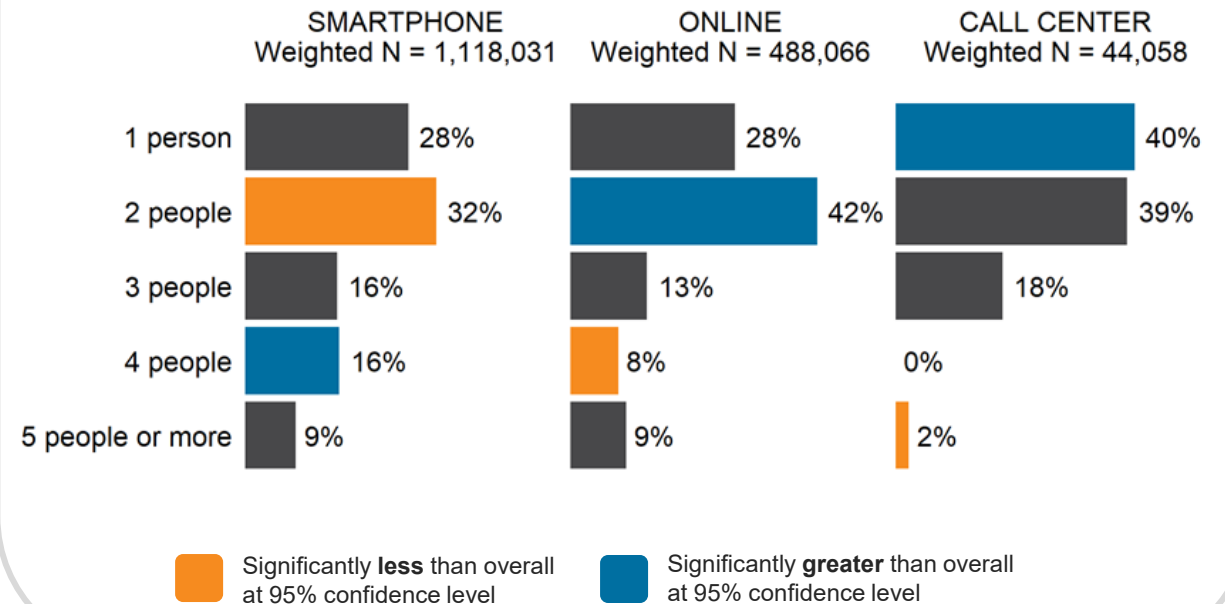
Note: For variables where “Prefer not the answer” was an option, respondents who selected that answer have been excluded from these calculations.



# Household Size

**41% of households participating by smartphone have 3 or more members**, compared to 30% for households participating online and 20% for households participating via the call center.

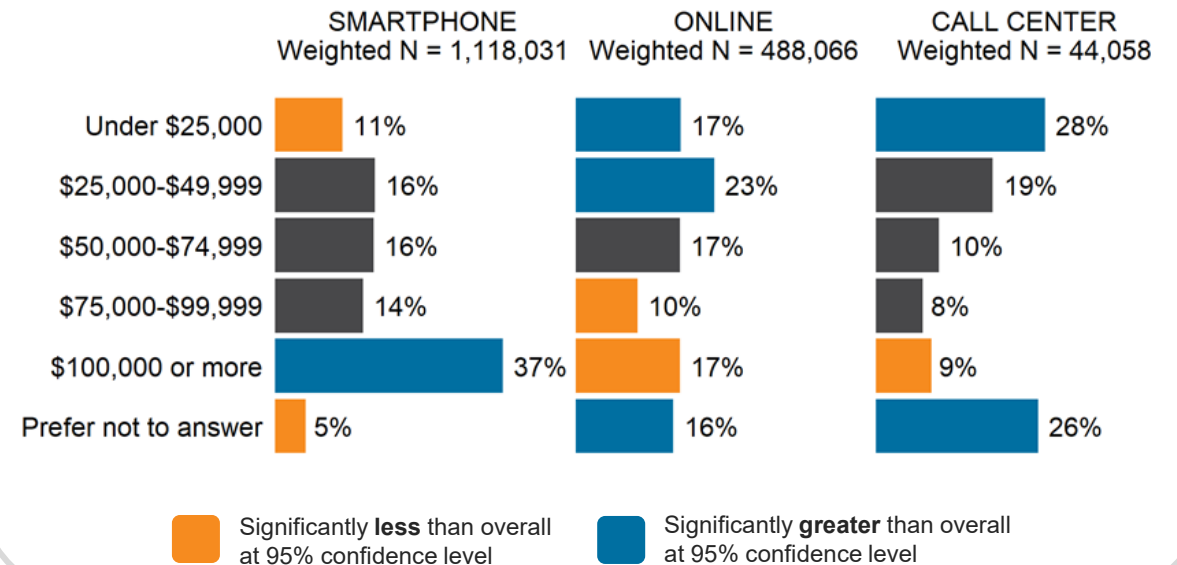
## HOUSEHOLD SIZE BY SURVEY MODE



# Household Income

Households participating through the call center have the largest share of low-income households and the largest share of households declining to report household income.

## HOUSEHOLD INCOME BY SURVEY MODE

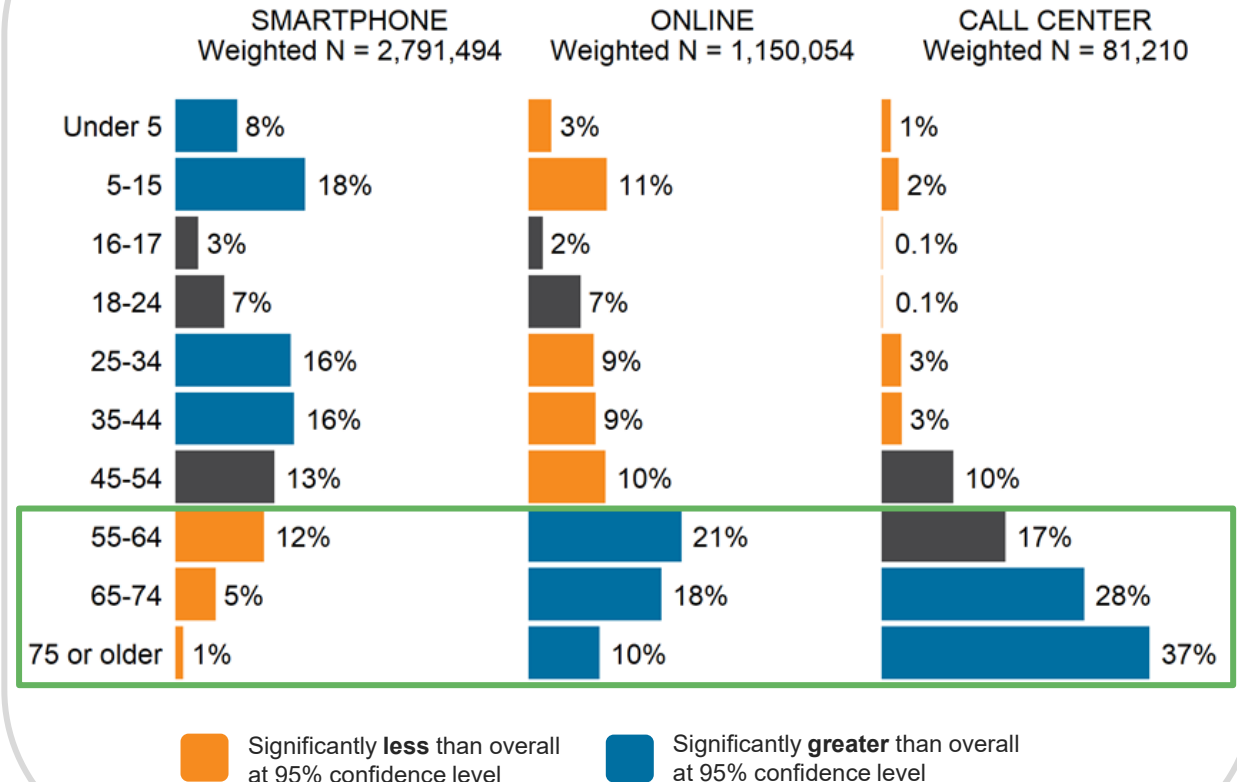




# Age

Residents who completed the TBI travel diary using a smartphone are younger than residents who completed the survey online or over the phone.

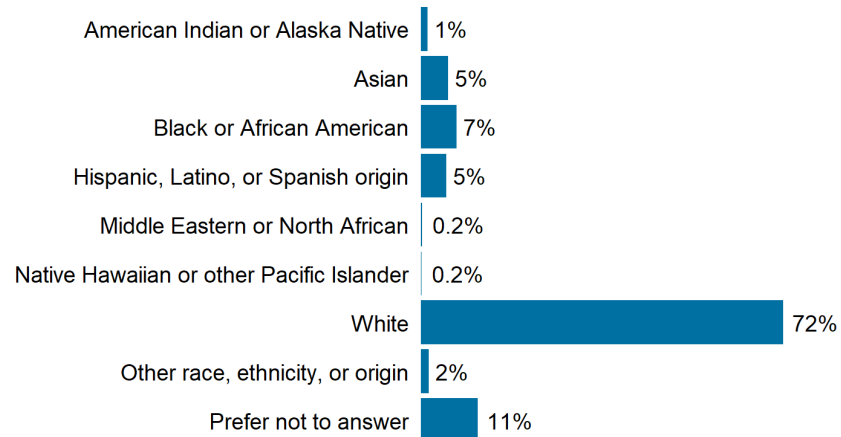
## AGE BY SURVEY MODE



# Race and Ethnicity

## RACE AND ETHNICITY

UNWEIGHTED N = 15,652, WEIGHTED N = 3,756,556

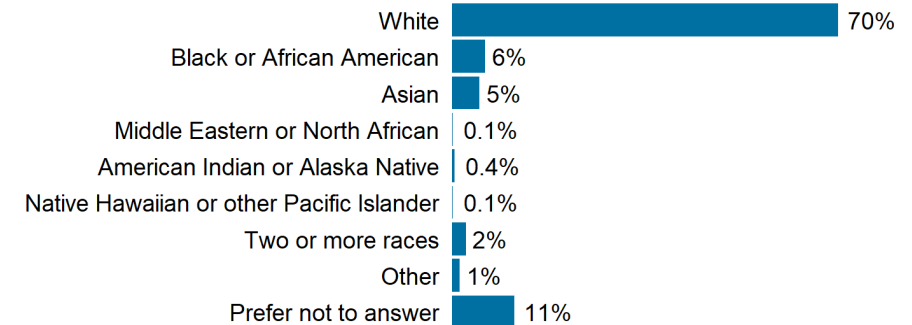


Note: respondents could select more than one answer to this question.

Race and ethnicity were asked as one select all that apply question. Responses have been aggregated in the figures to the right for ease of comparison to the census.

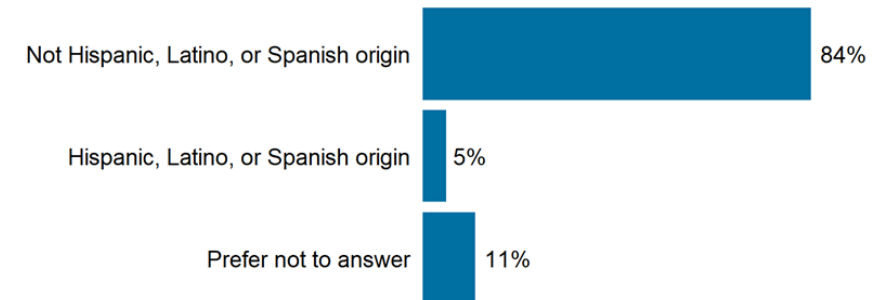
## RACE

UNWEIGHTED N = 15,438, WEIGHTED N = 3,614,215



## ETHNICITY

UNWEIGHTED N = 15,652, WEIGHTED N = 3,756,556



Note: Respondents who only selected "Hispanic, Latino, or Spanish Origin" in this question are excluded from the figure on the top right.

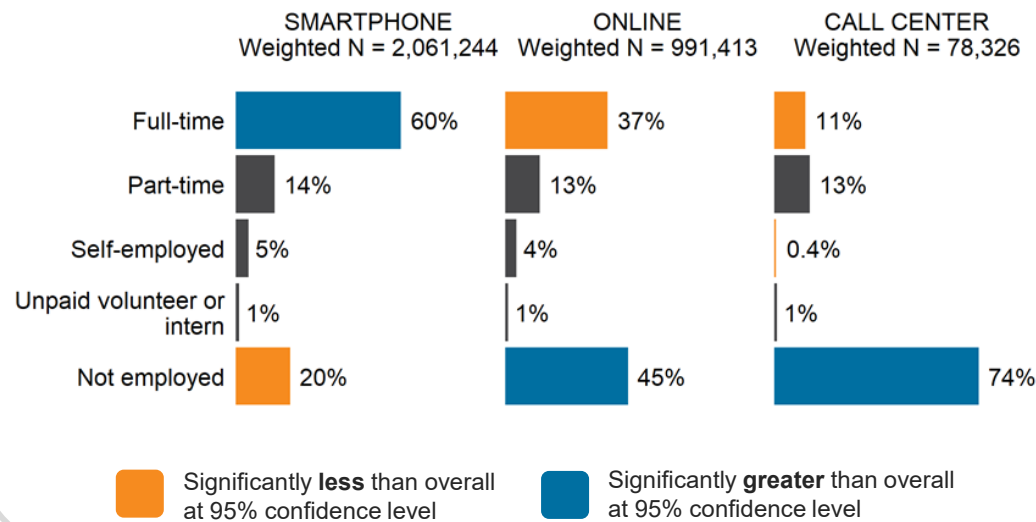


# Employment Status

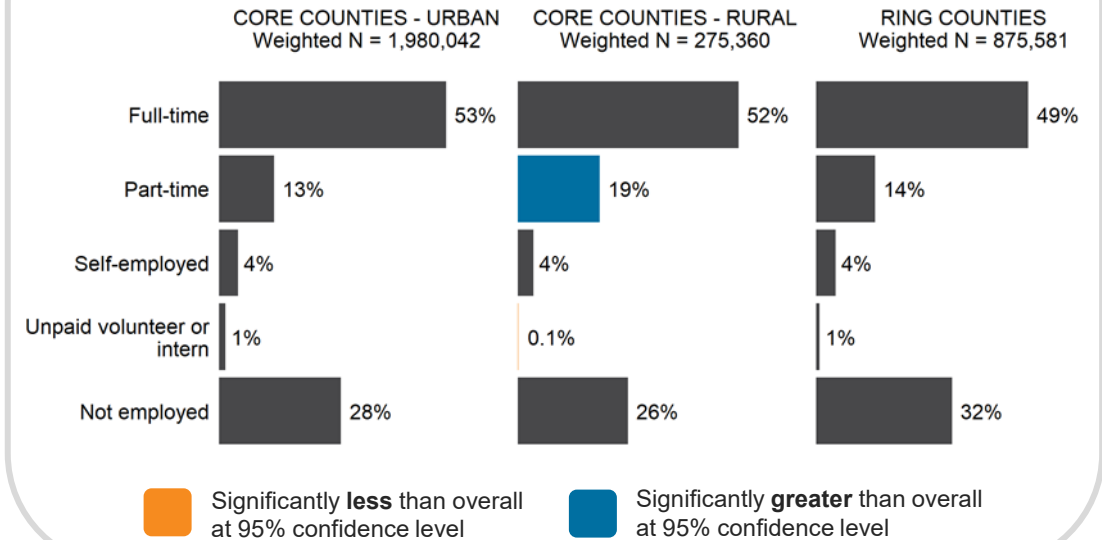
Smartphone participants have the highest employment rate, while call center participants have the lowest employment rate – which is reasonable given that most call center participants are age 65+.

Employment rates are consistent across study area regions.

## EMPLOYMENT STATUS BY SURVEY MODE



## EMPLOYMENT STATUS BY REGION



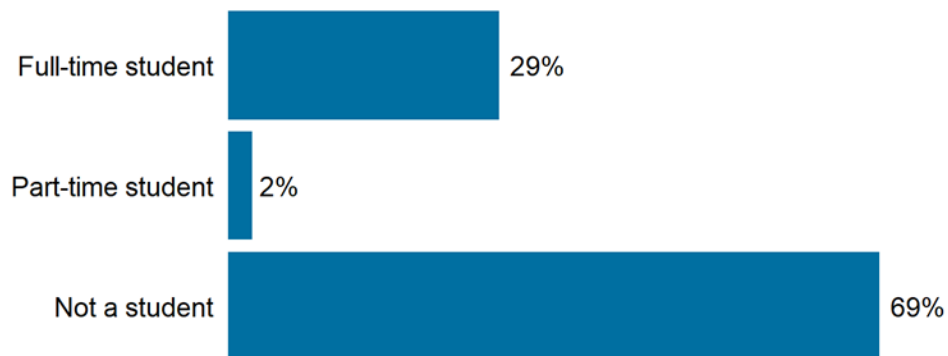
# Student Status

8% of adults are students, 32% of residents are students.

17% of students are enrolled in a 2-year or 4-year college/university or graduate school.

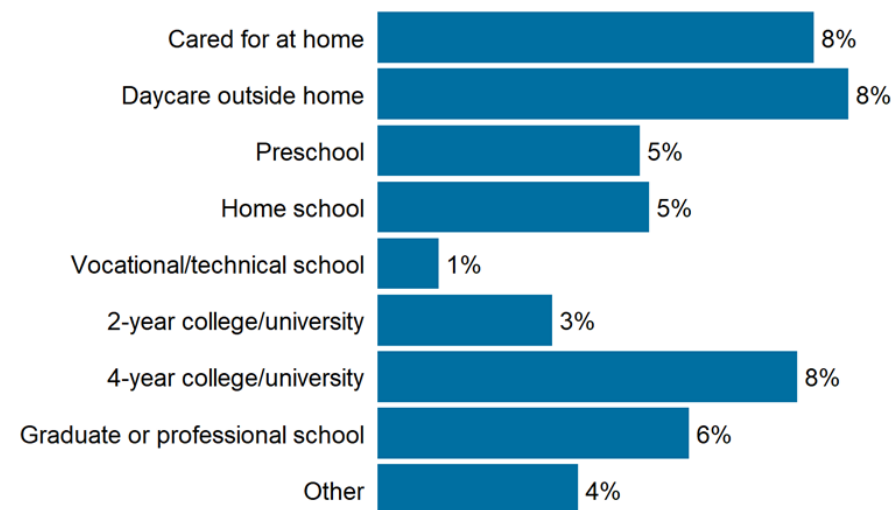
## STUDENT STATUS

UNWEIGHTED N = 16,006, WEIGHTED N = 4,022,759



## STUDENT SCHOOL TYPE

UNWEIGHTED N = 3,770, WEIGHTED N = 1,243,240





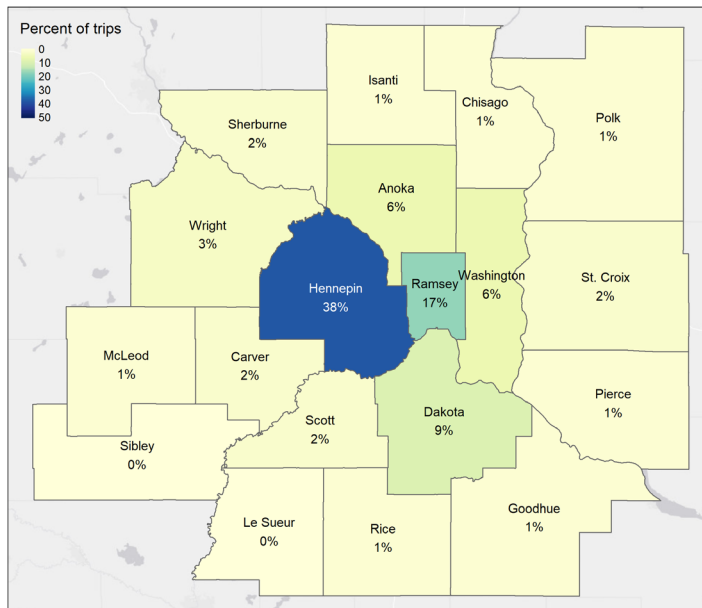


## Trip Diary

# Trip Destinations

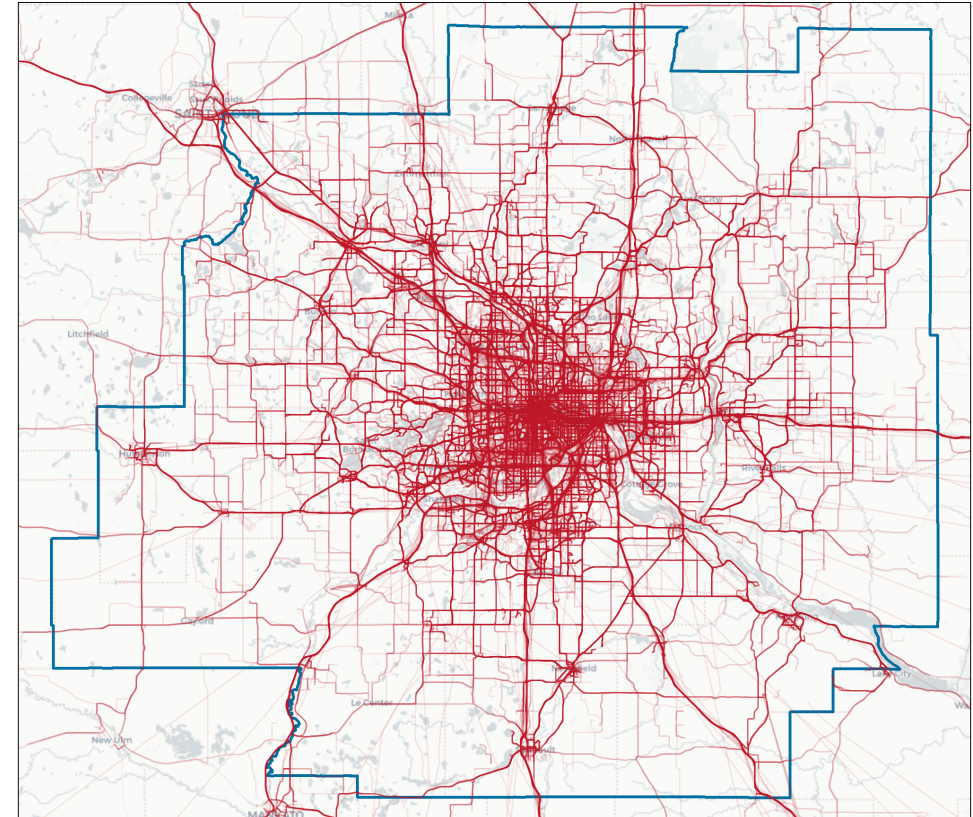
The largest share of trips (38%) are to Hennepin County followed by trips to Ramsey County at 17%.

SHARE OF TRIPS BY DESTINATION COUNTY



The remaining 6% of trips were made to destinations outside of the survey region

TRIP ROUTES



Trip origins and destinations were trimmed by 500 meters to protect respondents' privacy

# Daily Trip Rate

## REGIONAL AVERAGE WEEKDAY TRIP RATE

4.1

Residents of the Core Counties  
– Urban region have the highest  
average daily trip rate.

## AVERAGE DAILY TRIP RATE BY HOME REGION

UNWEIGHTED N = 41,809, WEIGHTED N = 4,022,759



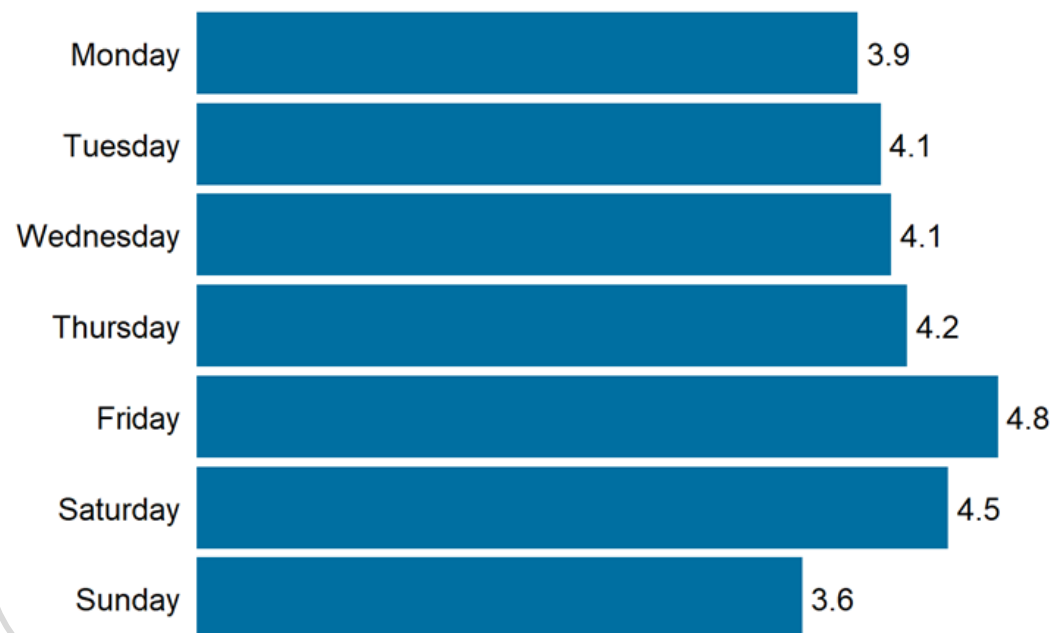
# Daily Trip Rate by Day of Week

Friday has the highest average daily trip rate, while the fewest trips are made on Sunday.

*Note: These trip rates are unweighted.*

## AVERAGE DAILY TRIP RATE BY DAY OF WEEK

UNWEIGHTED N = 67,741



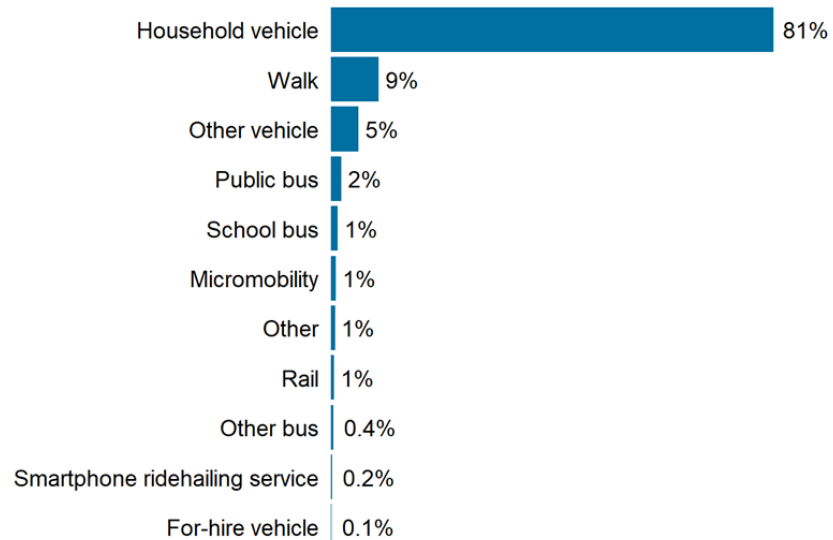
# Mode Share

81% of trips are household vehicle trips, the highest of any mode.

Within the study area, the Core Counties – Urban region has the highest share of trips made using active modes (walk and micromobility trips).

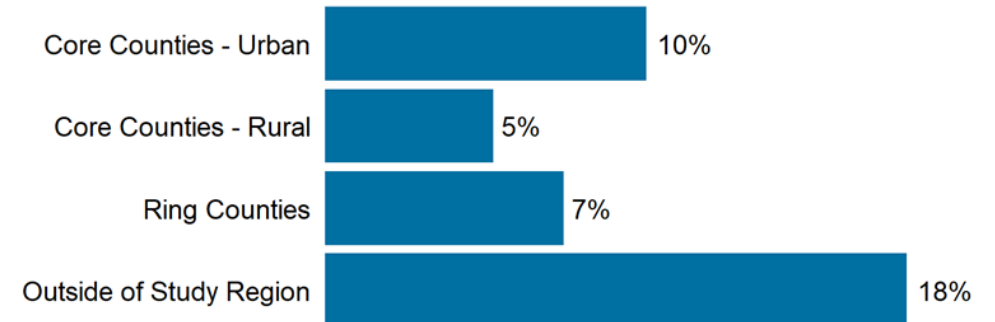
## MODE SHARE

UNWEIGHTED N = 170,890, WEIGHTED N = 16,355,559



## SHARE OF TRIPS MADE USING ACTIVE MODES BY DESTINATION REGION

UNWEIGHTED N = 170,890, WEIGHTED N = 16,355,559

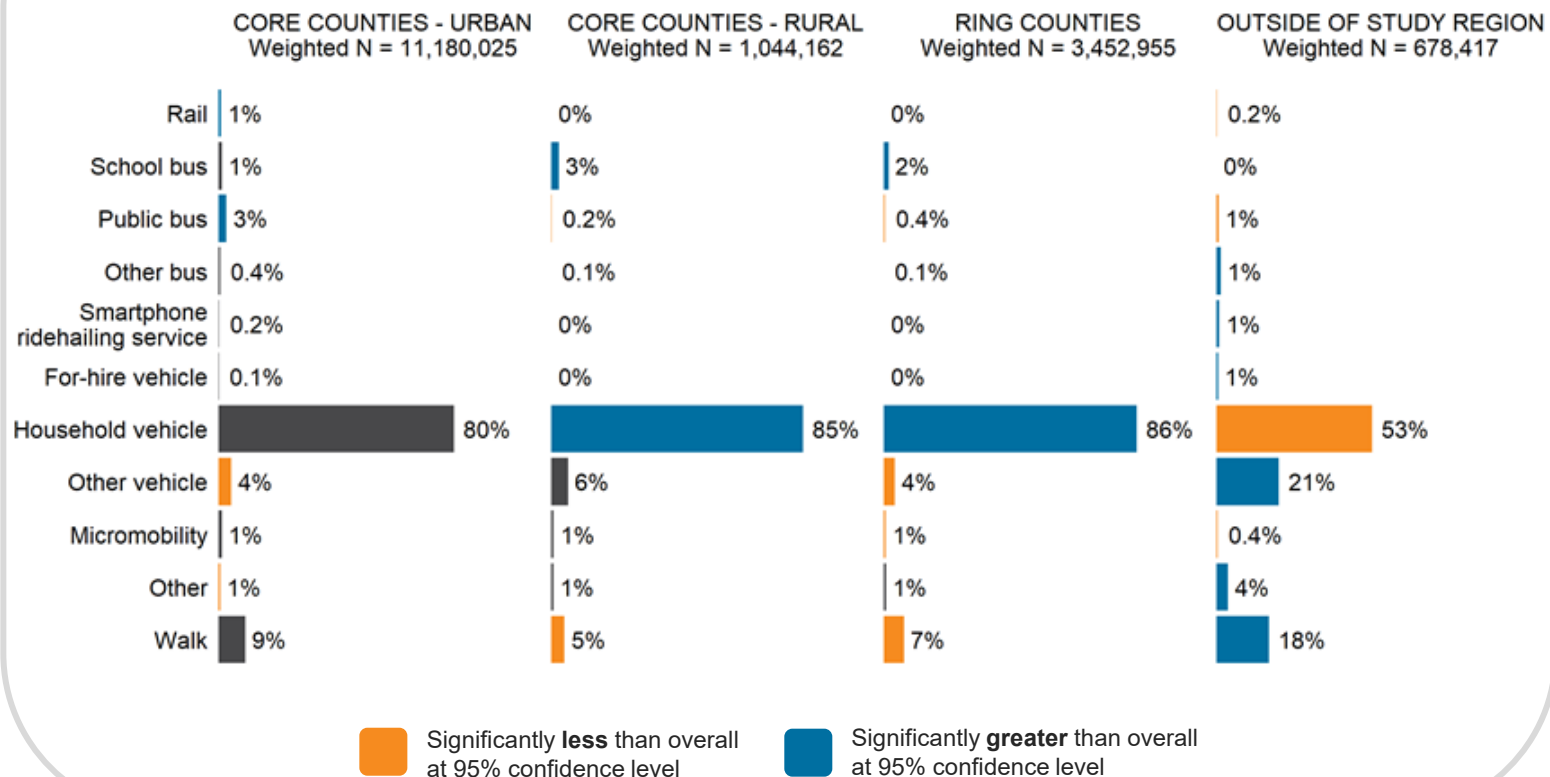


# Mode Share by Destination Region

The Ring Counties have the highest share of household vehicle trips.

The Core Counties – Urban region have the highest share of public bus trips and walk trips within the study region.

## MODE SHARE BY DESTINATION REGION



# Trip Purpose

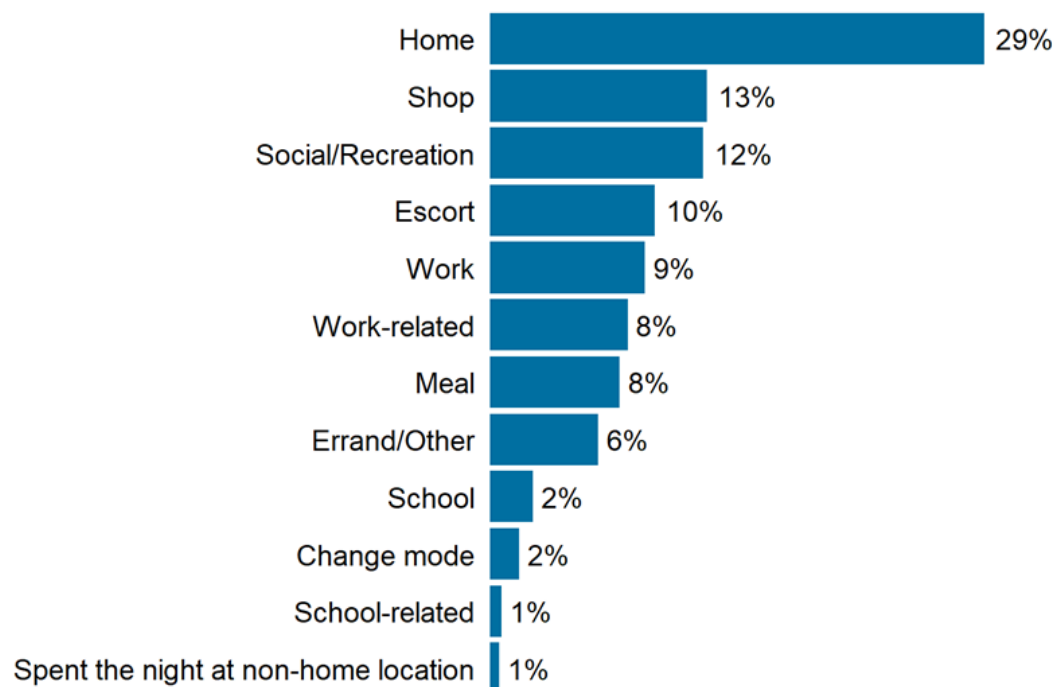
## Most frequent trip purposes:

- 29% of trips are trips home.
- 17% of trips are to work or are work-related.
- 13% of trips are for the purpose of shopping.

*Note: Purpose refers to the “purpose for traveling to the trip destination.”*

## TRIP DESTINATION PURPOSE

UNWEIGHTED N = 170,890, WEIGHTED N = 16,355,559



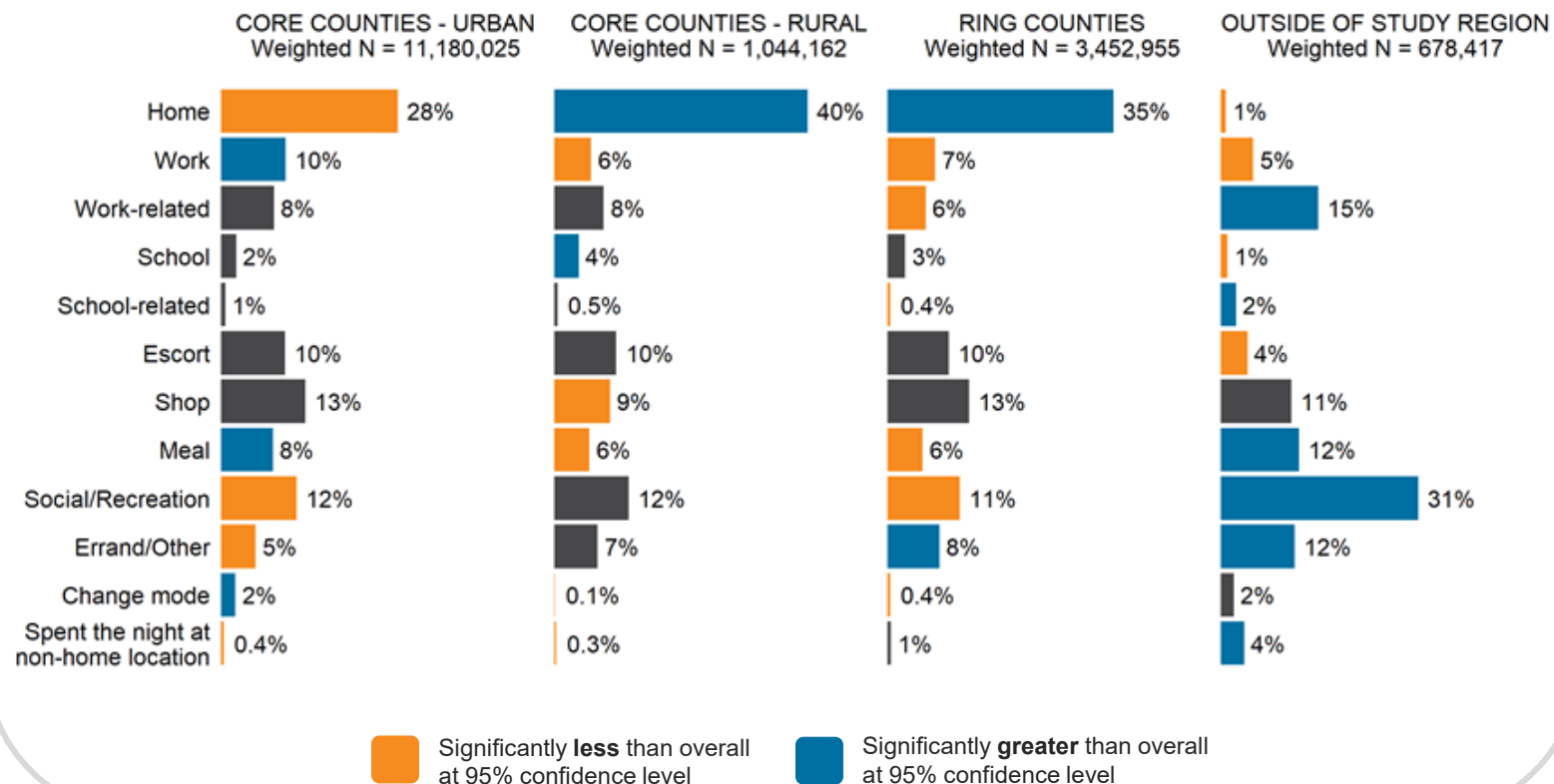


# Trip Purpose by Destination Region

The Core Counties – Rural and Ring Counties regions have a larger share of trips home compared to trips ending in the Core Counties – Urban.

The Core Counties – Urban region have a larger share of work commute and meal trips.

TRIP PURPOSE BY DESTINATION REGION



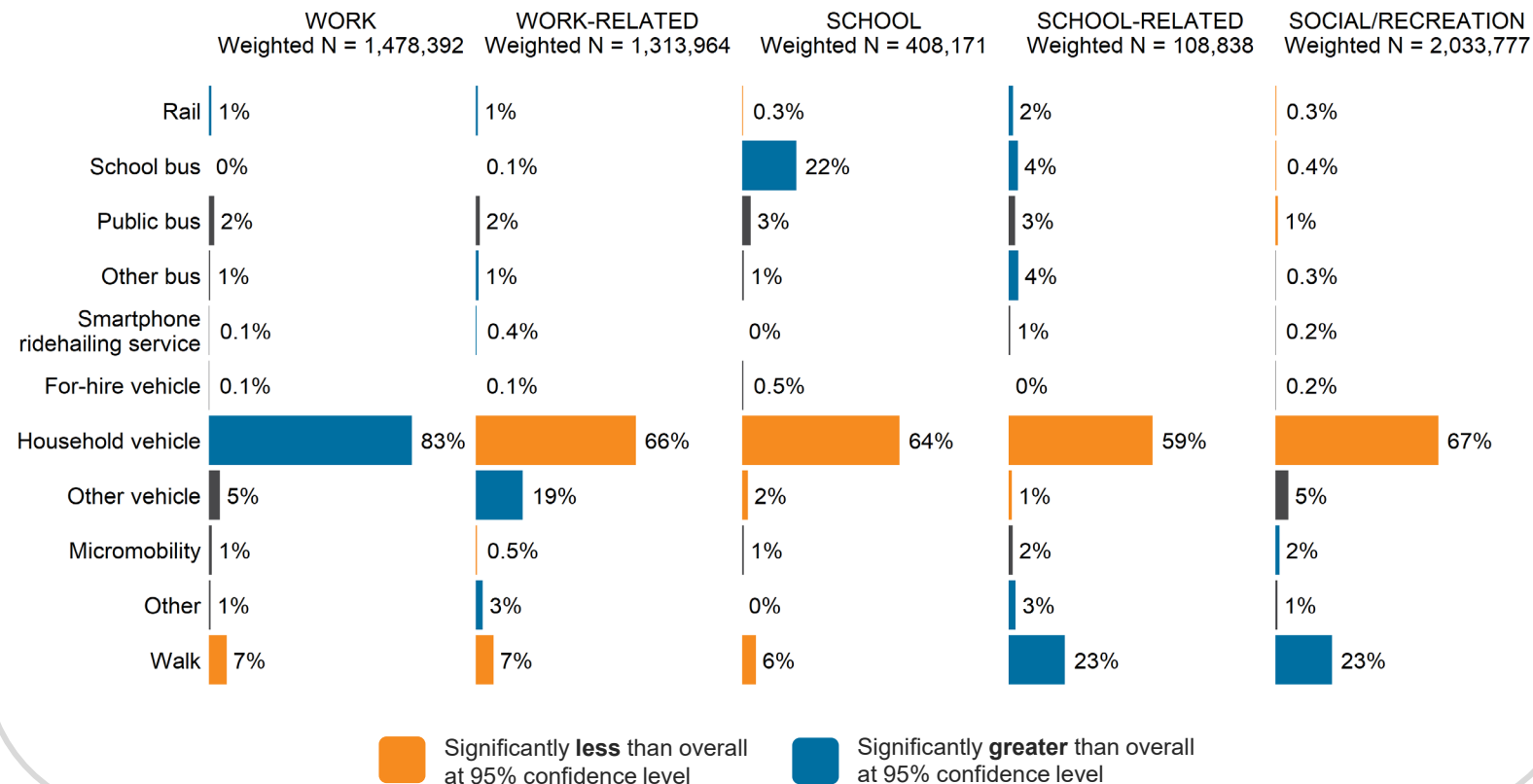
# Trip Mode by Trip Purpose

Work commute trips are more likely to be made in a household vehicle.

22% of school trips are made by school bus.

School-related and social/recreation trips have a larger share of walk trips.

MODE SHARE BY TRIP PURPOSE



# No Travel Days

On an average weekday, 18% of residents do not make any trips.

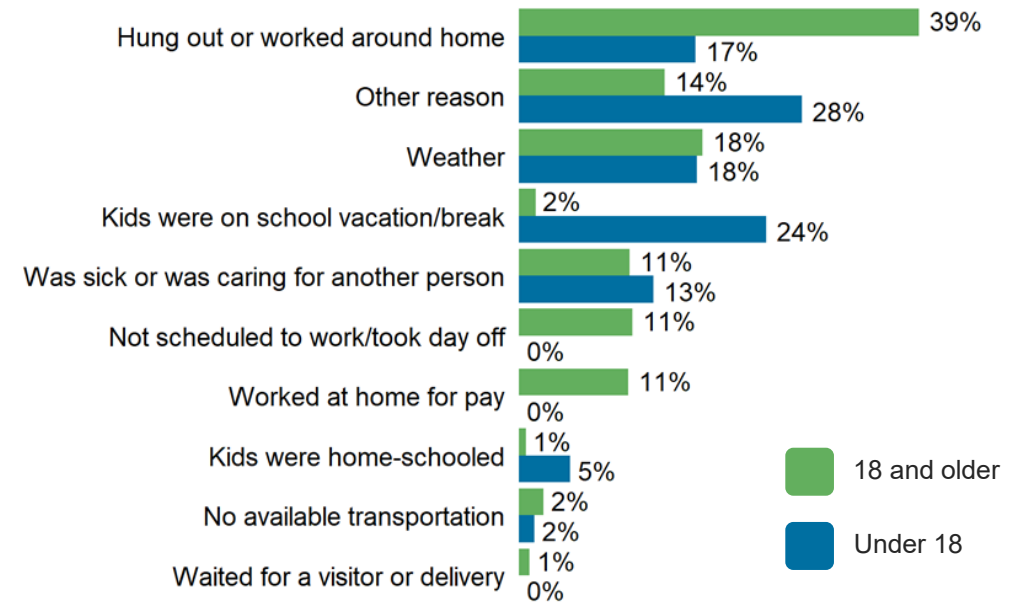
## SHARE OF TRAVEL DAYS WITH 1+ TRIPS BY DAY OF WEEK

UNWEIGHTED N = 41,809, WEIGHTED N = 4,022,759



## REASON FOR NOT TAKING TRIPS ON TRAVEL DAY BY AGE

UNWEIGHTED N = 3,553, WEIGHTED N = 486,991



Note: respondents could select more than one answer to this question.

# Freight Service Use

On an average weekday, 9% of residents shop online and 20% receive a good or service delivery.

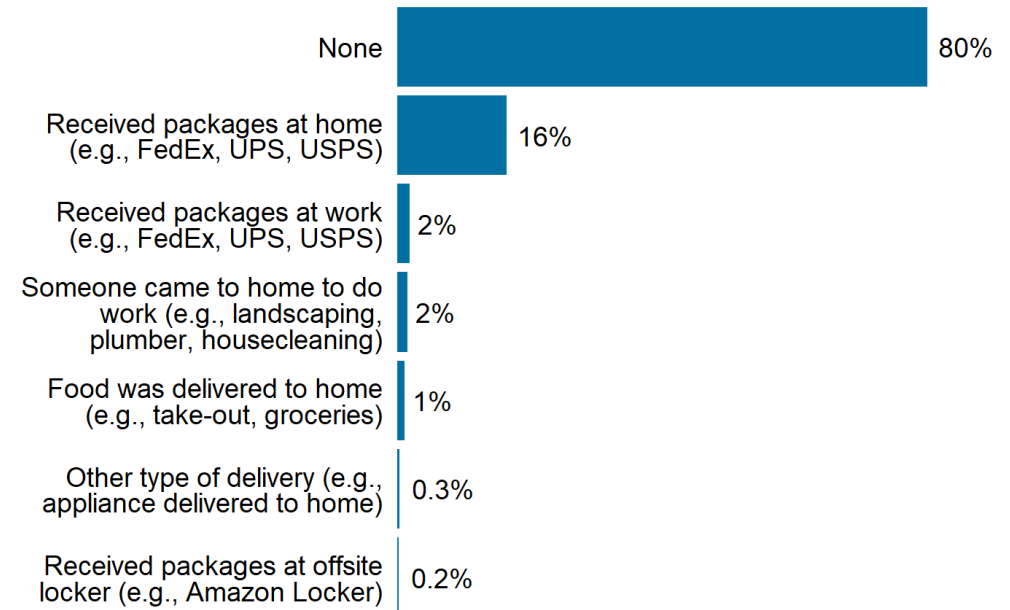
## ONLINE SHOPPING BY DAY OF WEEK

UNWEIGHTED N = 33,027, WEIGHTED N = 3,021,715



## DAILY GOODS AND SERVICE DELIVERIES

UNWEIGHTED N = 33,027, WEIGHTED N = 3,021,715



*Note: respondents could select more than one answer to this question.*



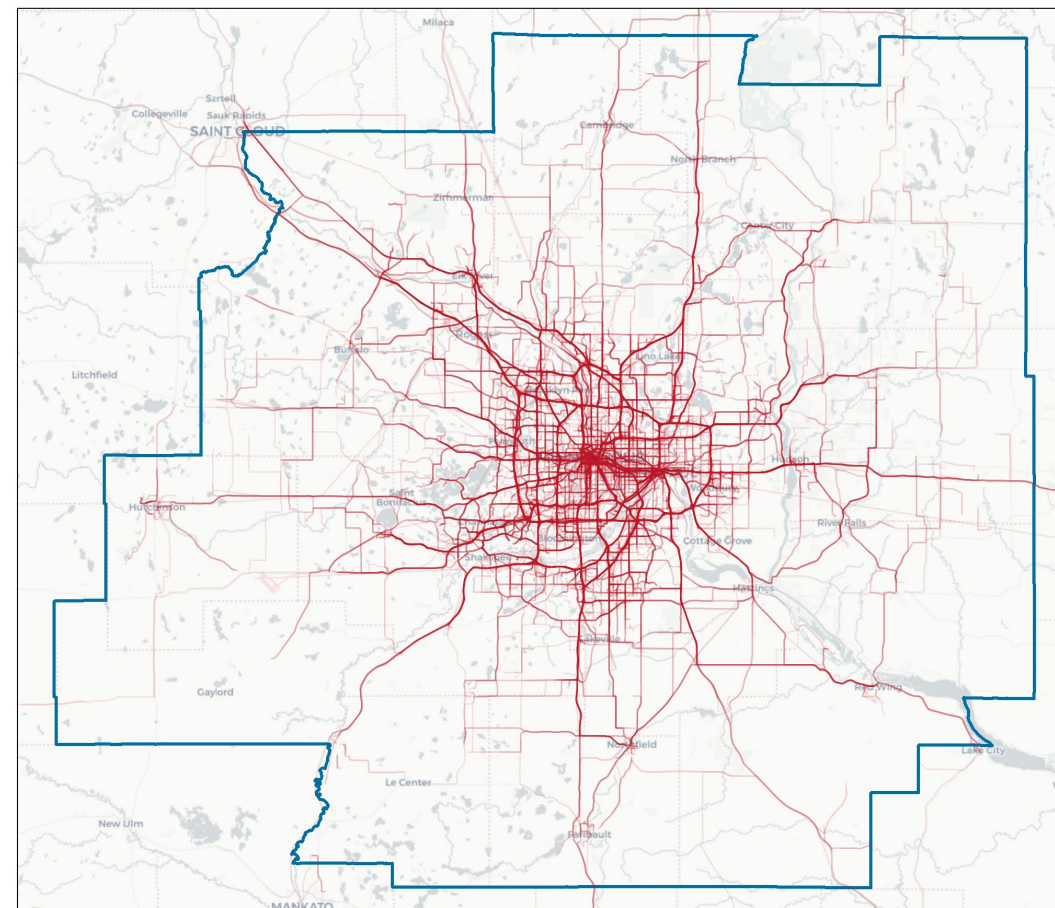
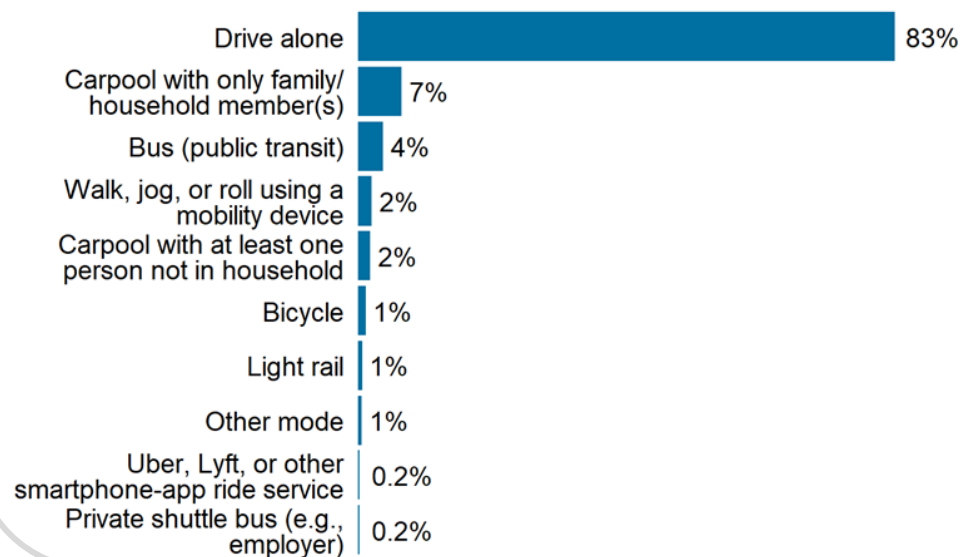
# Work Commute Trips

83% of workers typically drive alone to work.

13% of workers change their work commute mode by season.

## TYPICAL WORK COMMUTE MODE

UNWEIGHTED N = 7,765, WEIGHTED N = 1,983,287



*Trip origins and destinations were trimmed by 500 meters to protect respondents' privacy*

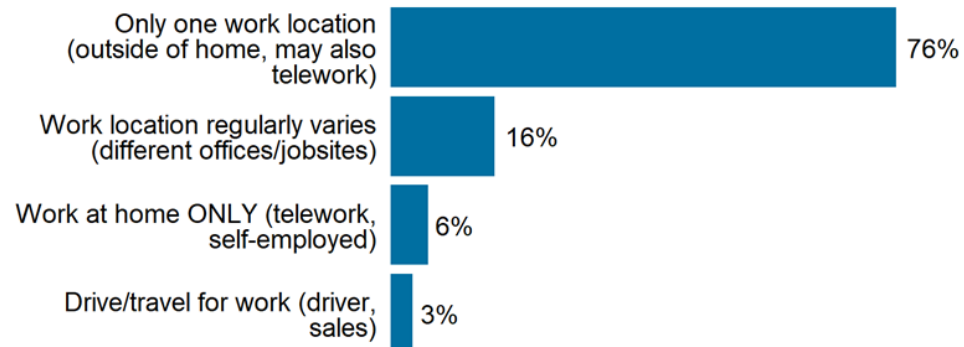
# Work Location

76% of workers have one work location.

15% of workers with one work location or whose work location regularly varies telework at least 1 day a week.

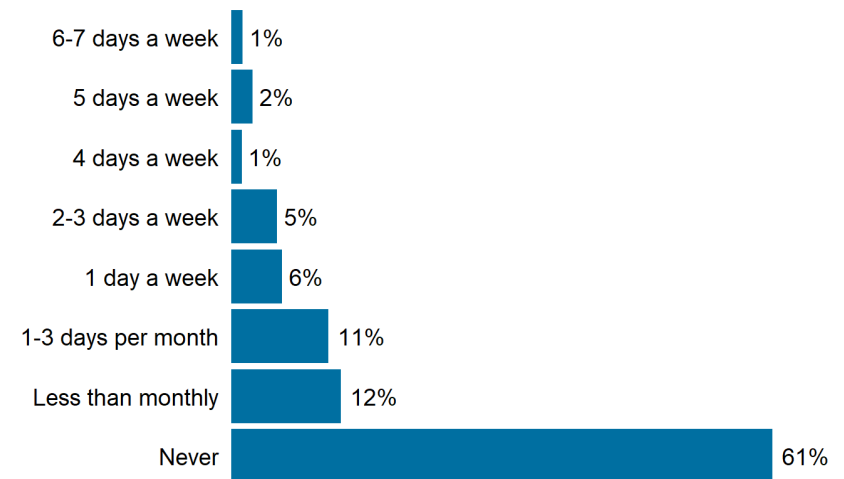
## WORK LOCATION

UNWEIGHTED N = 8,732, WEIGHTED N = 2,199,854



## TELEWORK FREQUENCY

UNWEIGHTED N = 7,827, WEIGHTED N = 2,005,472

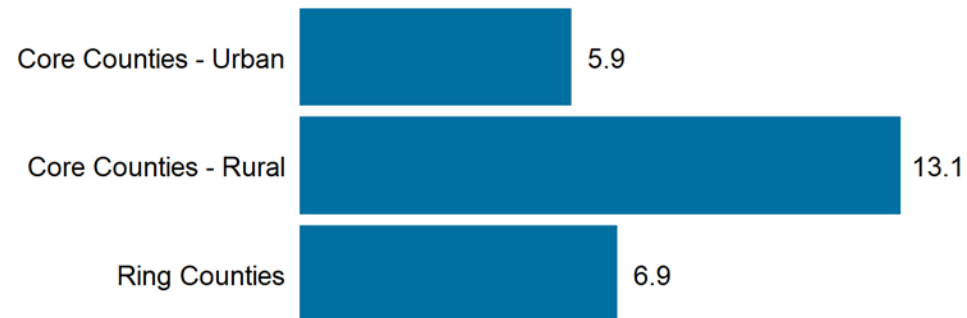


# Work Commute Distance and Duration

Workers who reside in the Core Counties – Rural region have the longest median work commute trip distance and duration.

## MEDIAN WORK COMMUTE DISTANCE (MILES) BY HOME REGION

UNWEIGHTED N = 15,462, WEIGHTED N = 1,473,203



## MEDIAN WORK COMMUTE DURATION (MINUTES) BY HOME REGION

UNWEIGHTED N = 15,471, WEIGHTED N = 1,478,392





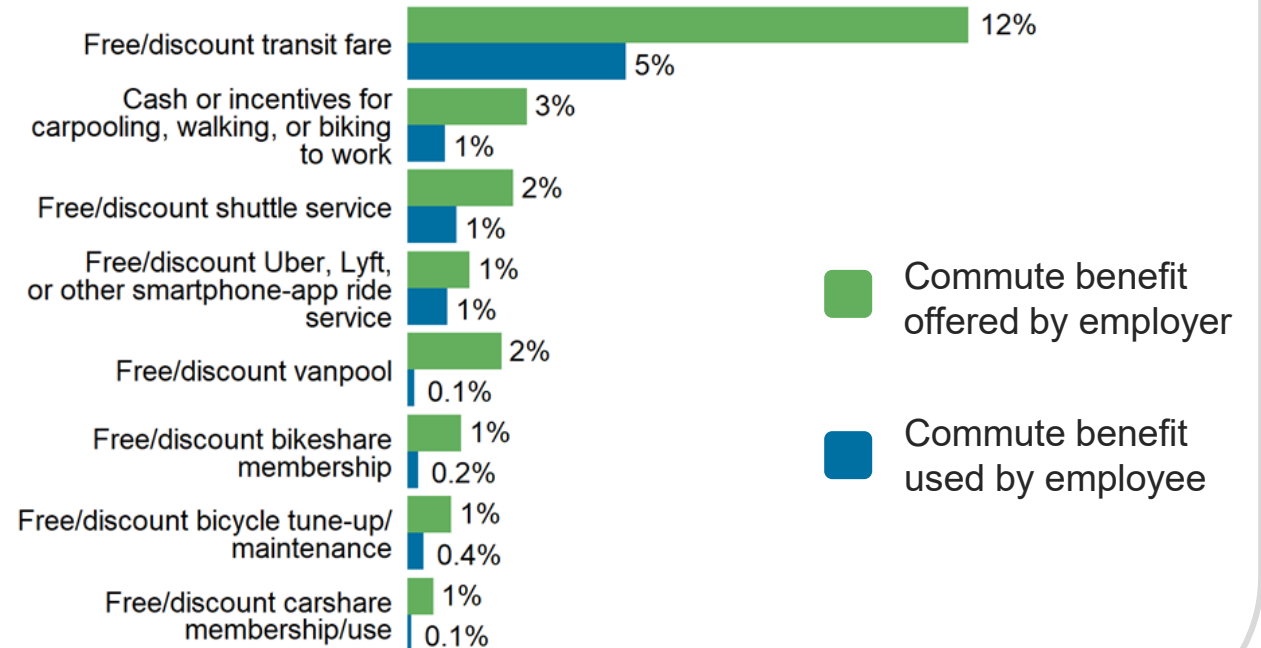
# Employer Subsidized Services

12% of workers' employers offer free or discounted transit fare. Slightly less than half of those workers use that benefit.

The second most offered commuting benefit is cash or incentives for taking alternative modes of transportation to work.

## COMMUTE BENEFITS

UNWEIGHTED N = 8,732, WEIGHTED N = 2,199,854



Note: respondents could select more than one answer to this question.



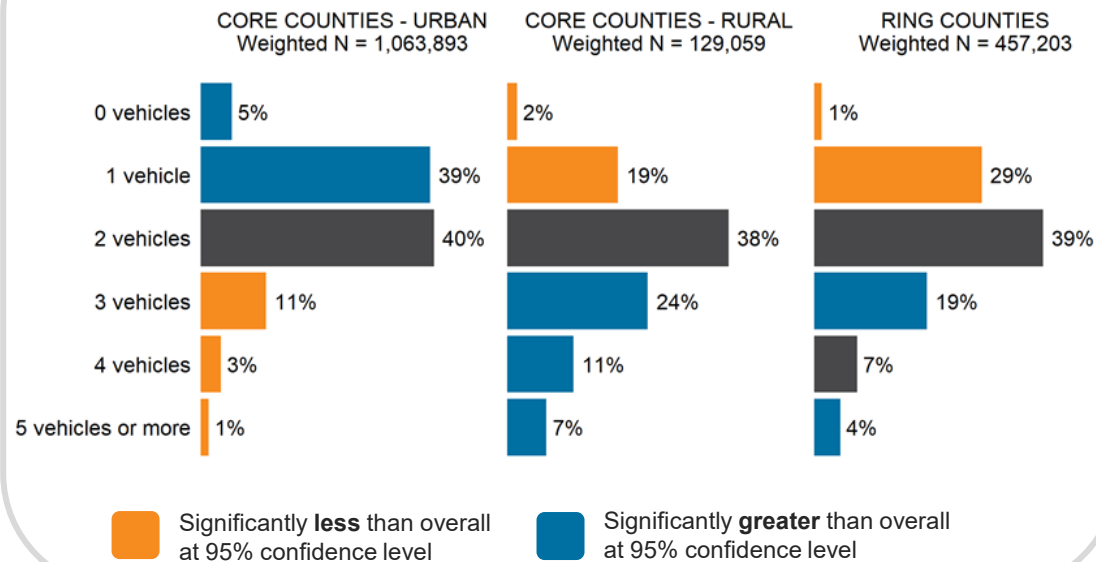
## **Vehicle Use and Behavior**

# Vehicle Ownership

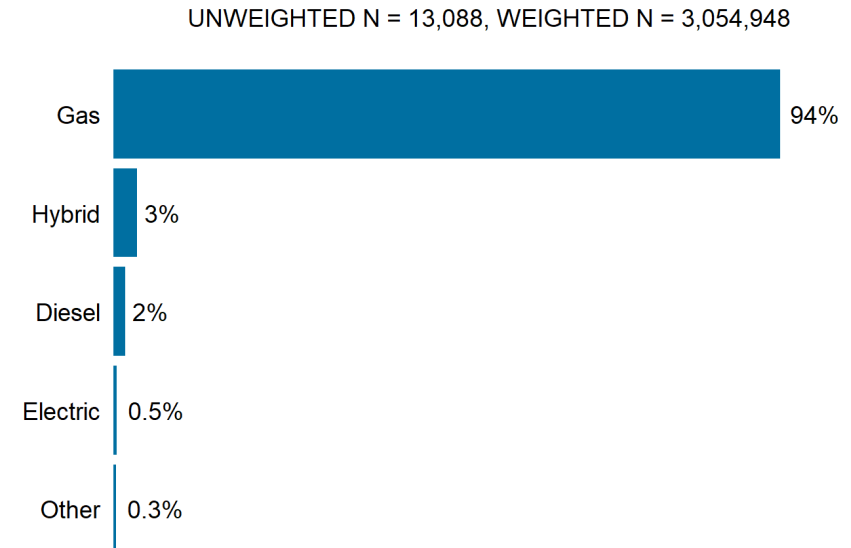
Households in the Core Counties – Urban region are less likely to own 2 or more vehicles.

94% of vehicles are fueled by gas.

VEHICLE OWNERSHIP BY HOME REGION



VEHICLE FUEL TYPE



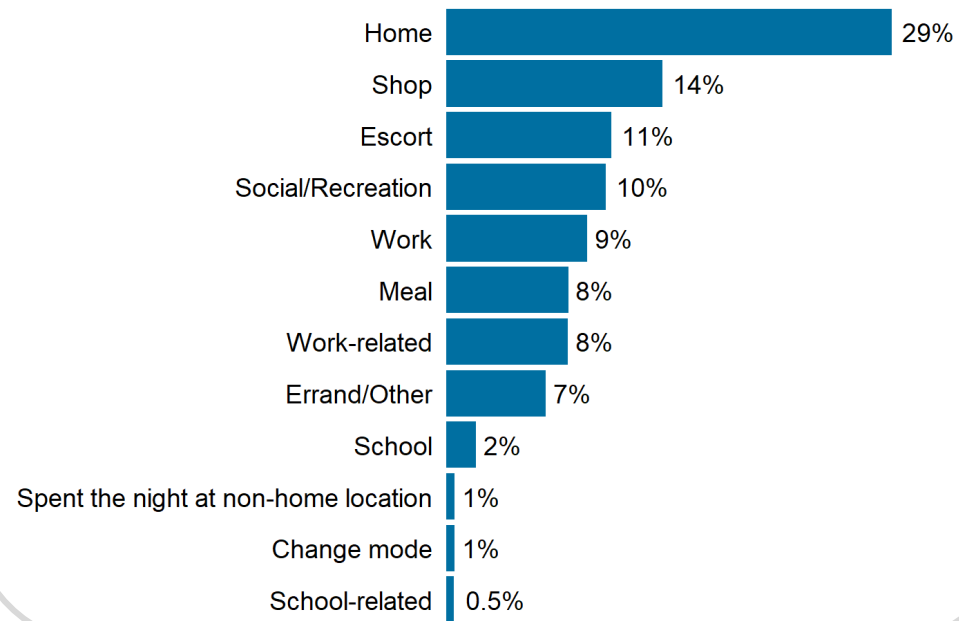
# Vehicle Travel Behavior

The largest share of vehicle trips are made for the purpose of shopping or going home.

Escort and shopping trips are the most likely to be made in a vehicle.

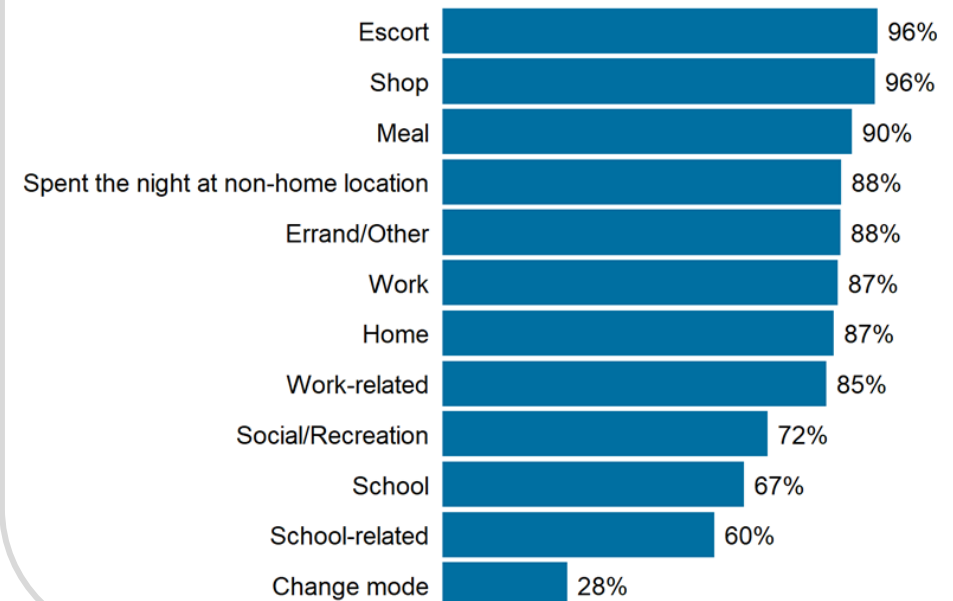
## VEHICLE TRIP DESTINATION PURPOSE

UNWEIGHTED N = 138,237, WEIGHTED N = 13,977,022



## VEHICLE MODE SHARE BY DESTINATION PURPOSE

UNWEIGHTED N = 170,890, WEIGHTED N = 16,355,559





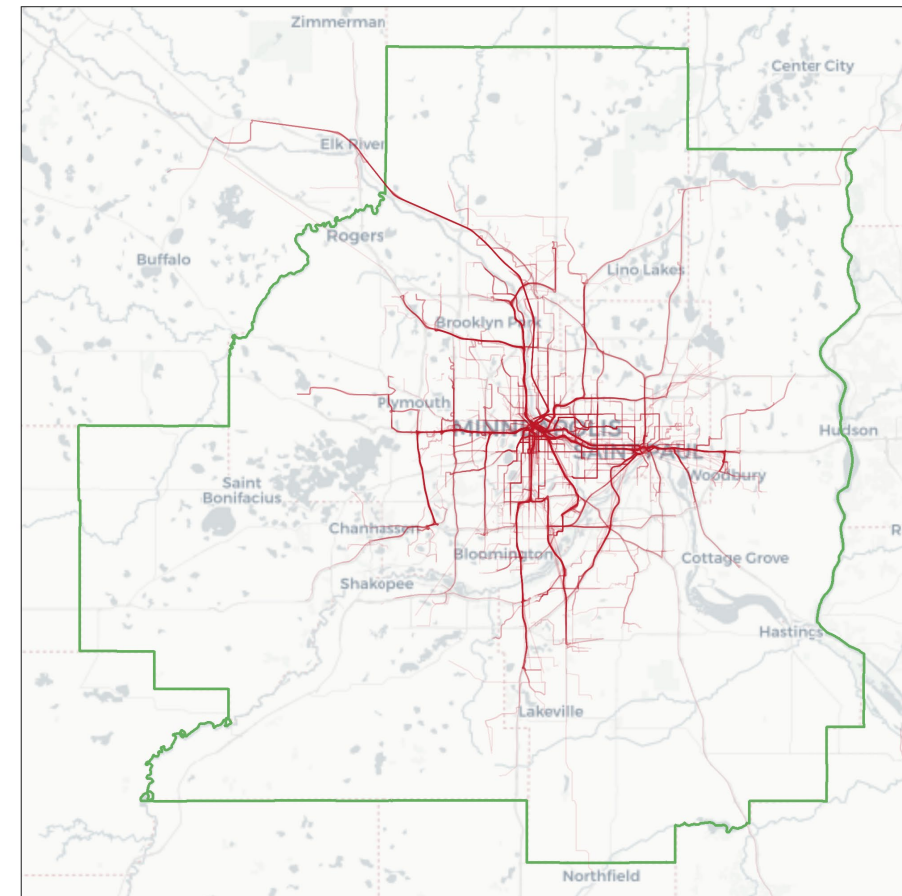
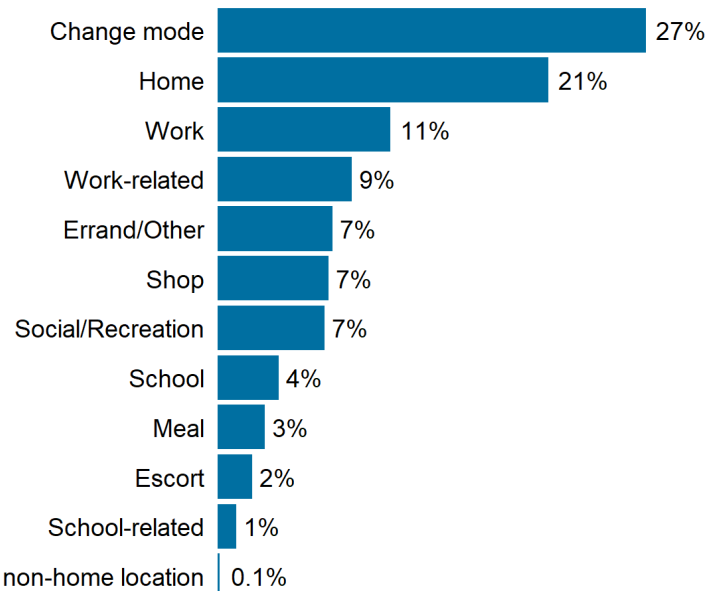
## **Transit Use and Behavior**

# Transit Trip Traces

Most public bus and rail trips are made for the purpose of changing modes, going home, or going to work.

## TRANSIT TRIP DESTINATION PURPOSE

UNWEIGHTED N = 5,650, WEIGHTED N = 397,737



*Trip origins and destinations were trimmed by 500 meters to protect respondents' privacy*

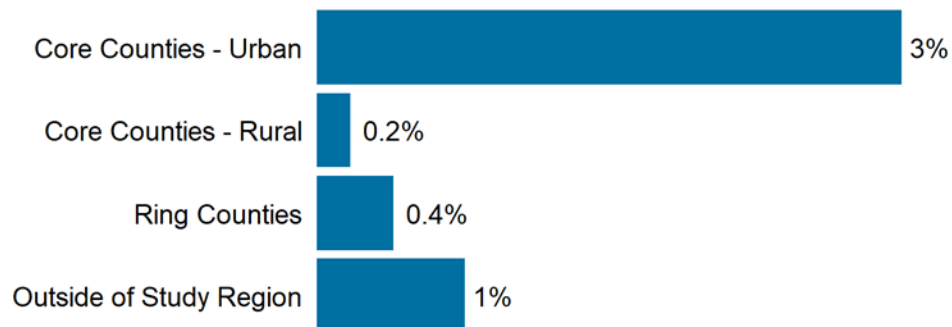
# Transit Mode Share and Use

3% of trips made with destinations in the Core Counties – Urban region are made using public bus or rail, the highest share of the three regions in the study area.

7% of residents use transit weekly and 44% only use transit when attending an event.

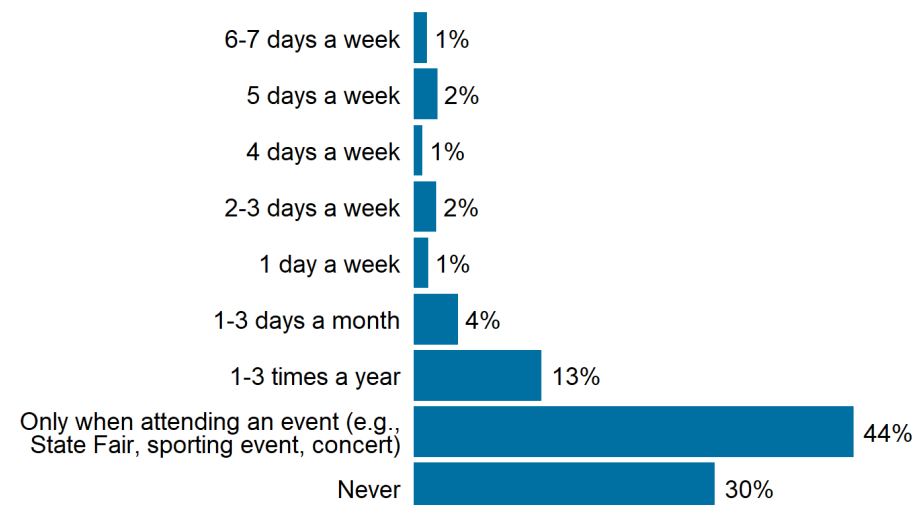
## SHARE OF TRIPS MADE USING TRANSIT MODES BY DESTINATION REGION

UNWEIGHTED N = 170,890, WEIGHTED N = 16,355,559



## TRANSIT USE

UNWEIGHTED N = 12,933, WEIGHTED N = 3,008,082





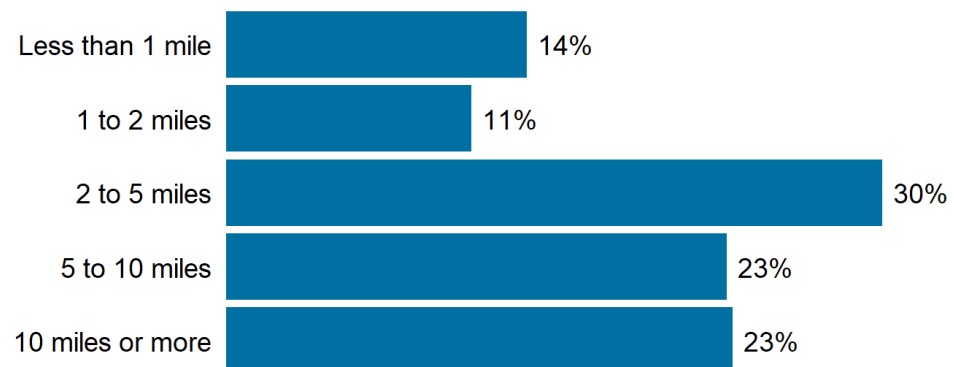
# Transit Trip Distance and Duration

76% of transit trips are 2 or more miles long.

81% of transit trips were 10 minutes or longer in duration.

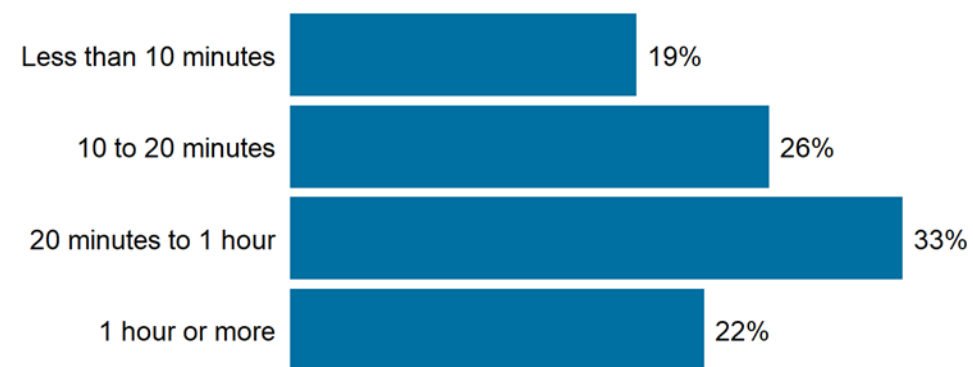
## TRANSIT TRIP DISTANCE

UNWEIGHTED N = 5,640, WEIGHTED N = 394,558



## TRANSIT TRIP DURATION

UNWEIGHTED N = 5,650, WEIGHTED N = 397,737





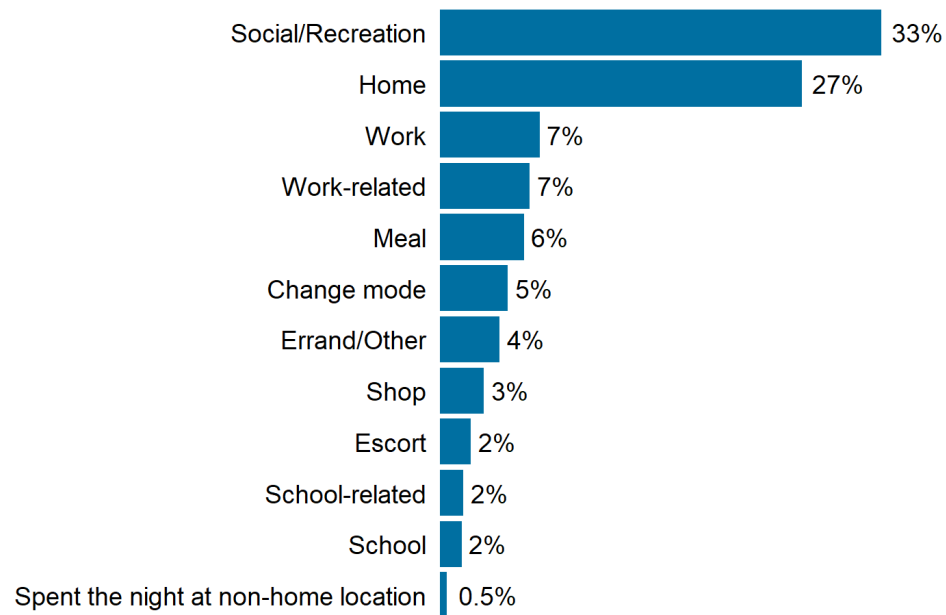
# **Pedestrian and Micromobility Behavior**

# Pedestrian Behavior

The majority of walk trips are made for the purpose of social and recreation or going home.

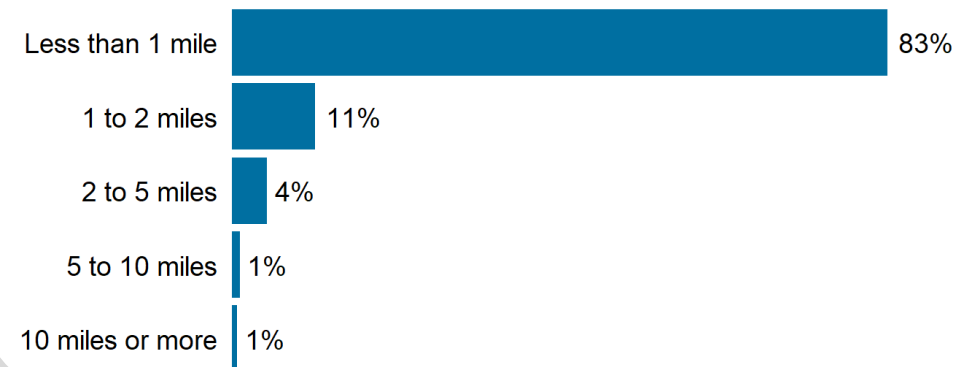
## WALK TRIP DESTINATION PURPOSE

UNWEIGHTED N = 19,810, WEIGHTED N = 1,418,981



## WALK TRIP DISTANCE

UNWEIGHTED N = 19,745, WEIGHTED N = 1,406,339



83% of walk trips are less than 1 mile. 77% are 20 minutes or less.

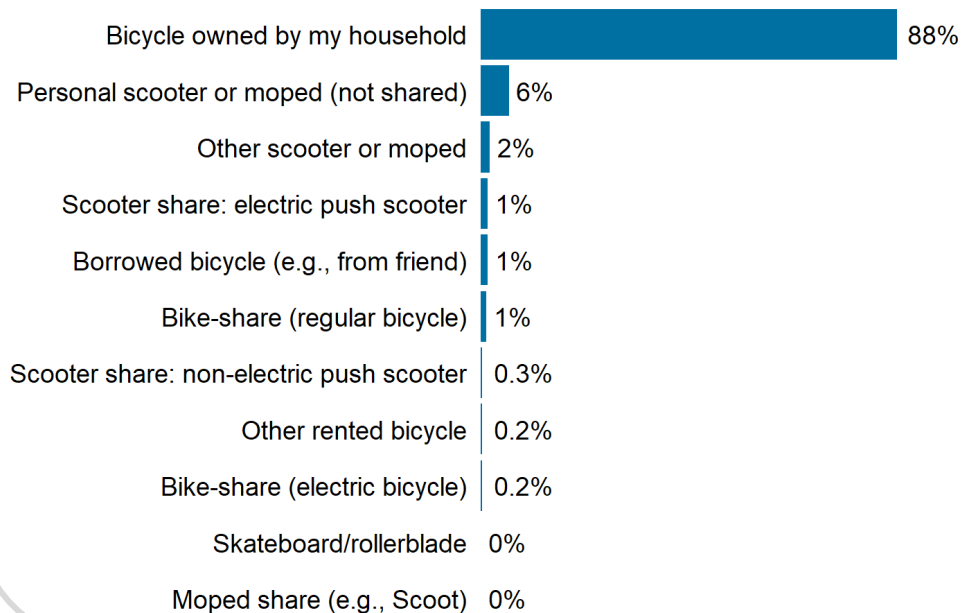
# Micromobility Mode Use

88% of micromobility trips are made using a personal bicycle.

The share of micromobility trips changes seasonally, increasing in warmer months.

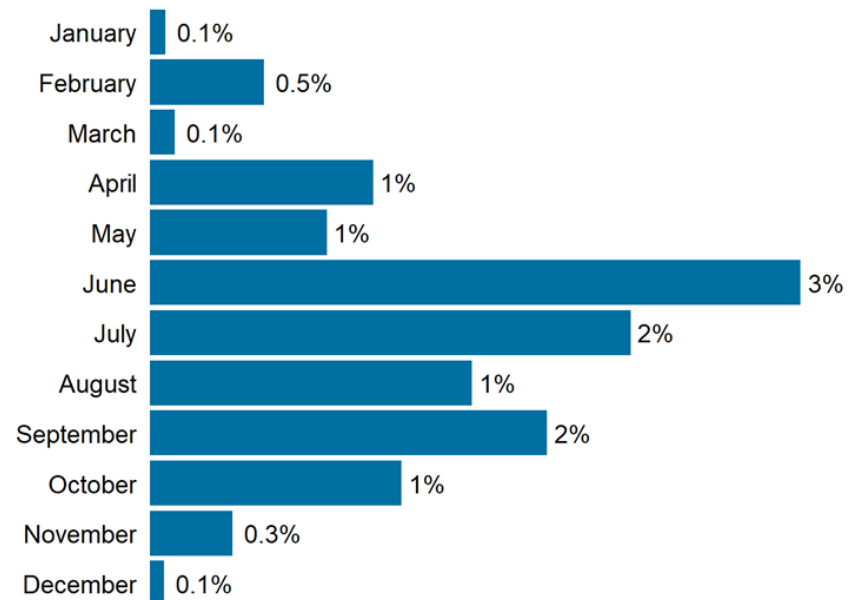
## MICROMOBILITY MODE SHARE

UNWEIGHTED N = 2,480, WEIGHTED N = 142,040



## MICROMOBILITY MODE SHARE BY MONTH

UNWEIGHTED N = 170,890, WEIGHTED N = 16,355,558

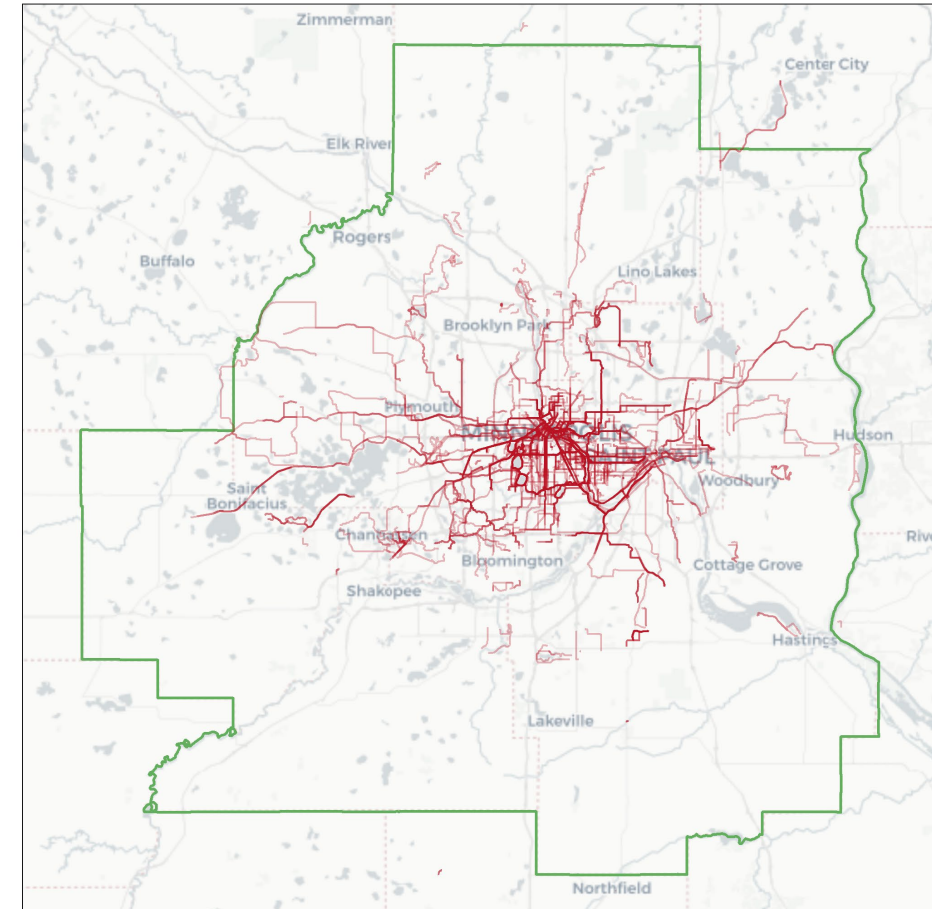
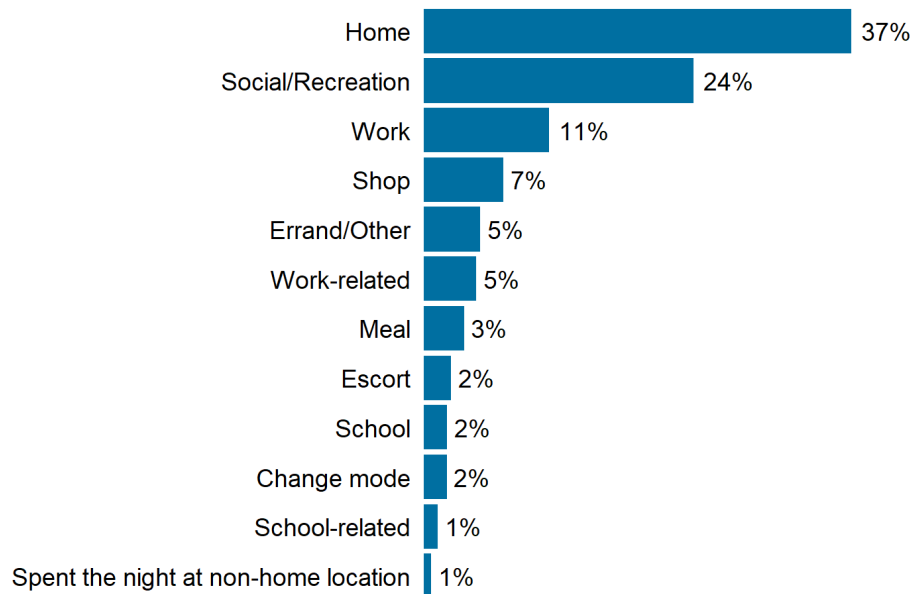


# Micromobility Trips

The majority of micromobility trips are made for the purpose of going home or social and recreation.

## MICROMOBILITY TRIP DESTINATION PURPOSE

UNWEIGHTED N = 2,480, WEIGHTED N = 142,040



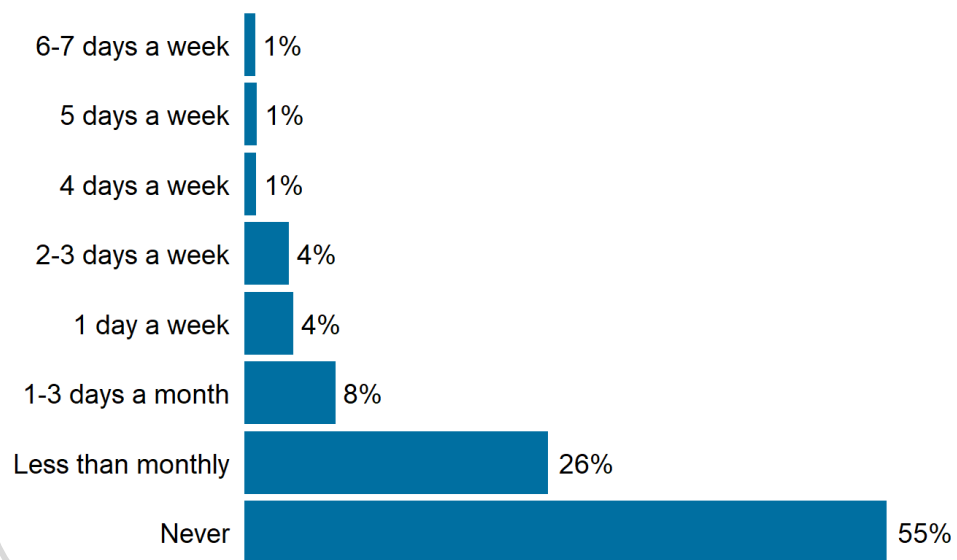
*Trip origins and destinations were trimmed by 500 meters to protect respondents' privacy*

# Frequency of Bicycle Use

19% of residents use a bicycle at least monthly and 11% use a bicycle weekly.

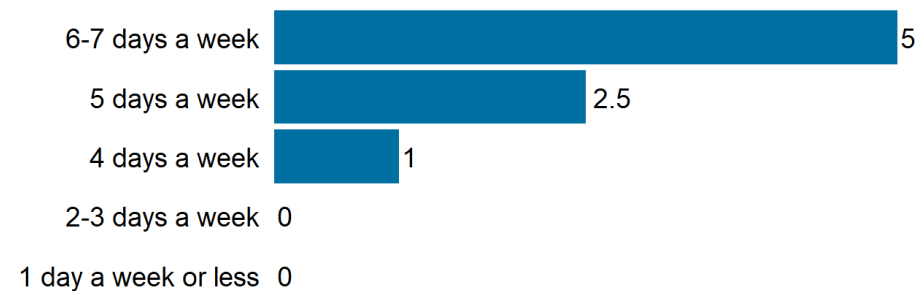
## BICYCLE USE

UNWEIGHTED N = 12,933, WEIGHTED N = 3,008,082



## MEDIAN NUMBER OF DAYS WITH BICYCLE TRIPS DURING 7-DAY TRAVEL PERIOD BY REPORTED BICYCLE USE

UNWEIGHTED N = 5,860





## **New Mobility Services**

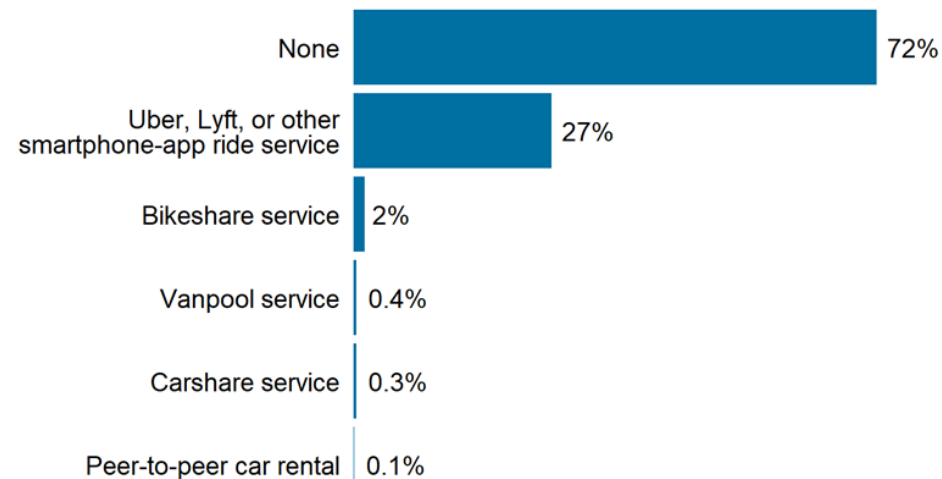
# Shared Mode Use

28% of residents have used a smartphone-app ride service. 1% of residents drive for Uber, Lyft, or another smartphone-app ride service.

68% of residents who use smartphone-app ride services use them less than monthly.

## SHARED MODE USE

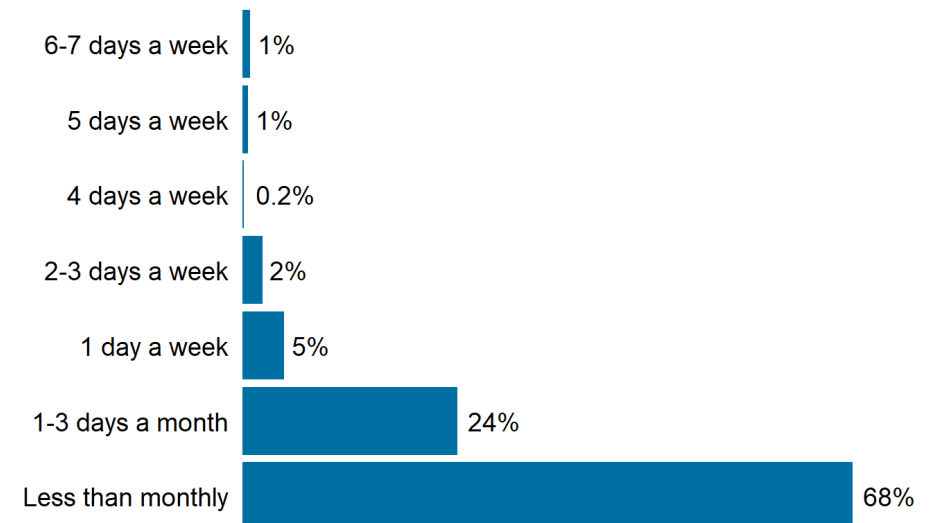
UNWEIGHTED N = 12,933, WEIGHTED N = 3,008,082



*Note: respondents could select more than one answer to this question.*

## SMARTPHONE-APP RIDE SERVICE FREQUENCY

UNWEIGHTED N = 4,116, WEIGHTED N = 817,800

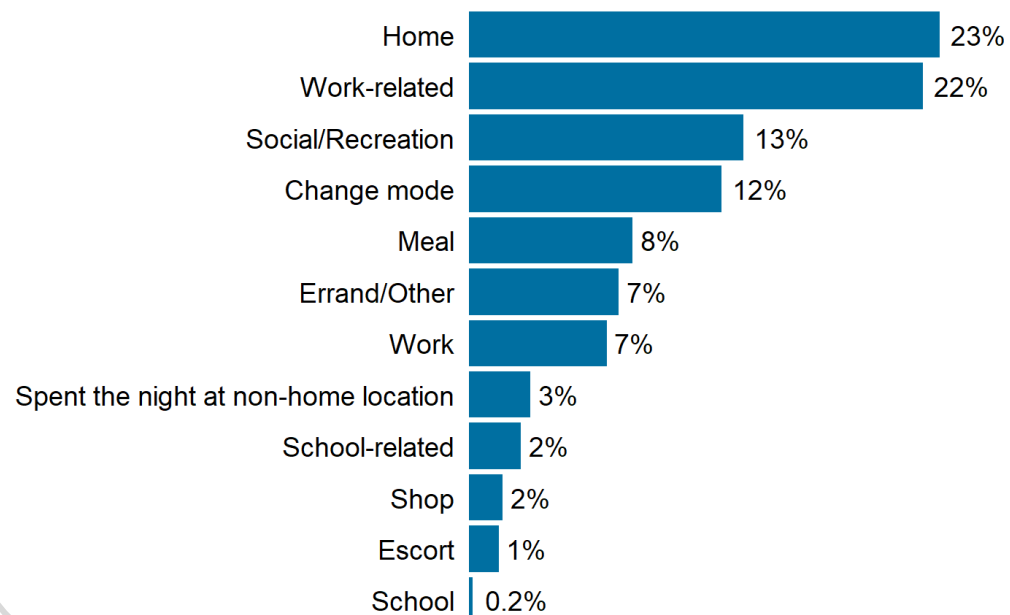




# Smartphone-app Ride Service Trips

## SMARTPHONE-APP RIDE SERVICE TRIP DESTINATION PURPOSE

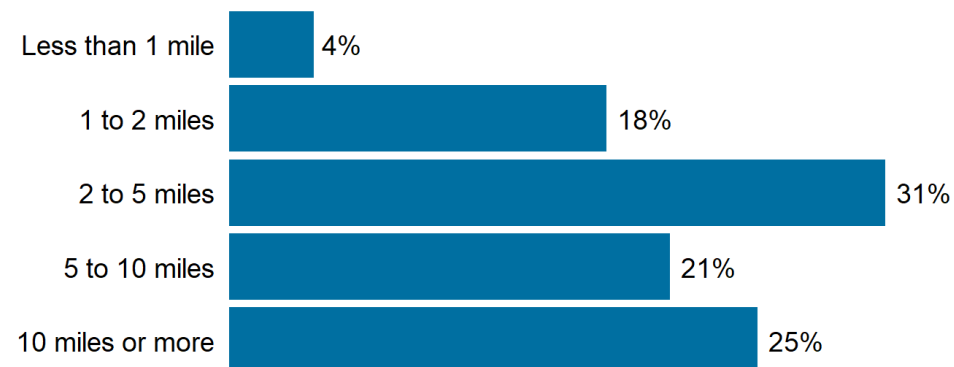
UNWEIGHTED N = 468, WEIGHTED N = 25,440



The largest share of smartphone-app ride service trips are made to go home or for a work-related purpose.

## SMARTPHONE-APP RIDE SERVICE TRIP DISTANCE

UNWEIGHTED N = 468, WEIGHTED N = 25,440





# Attitudes toward Autonomous Vehicles

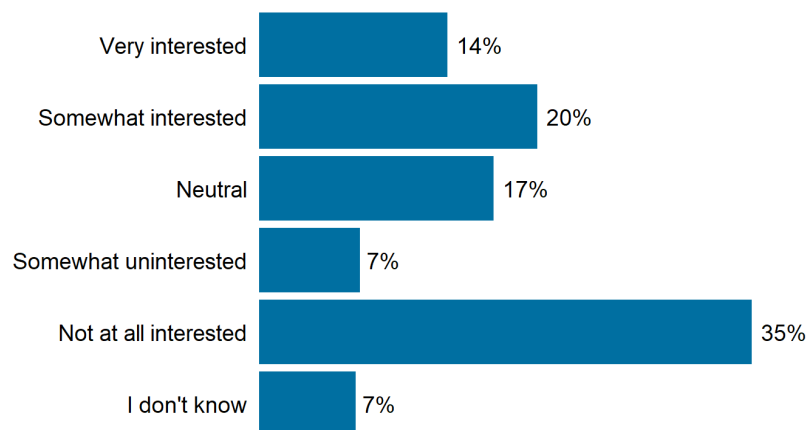
# Interest in Using and Owning Autonomous Vehicles

34% of residents are interested in owning an autonomous vehicle in the future, while 35% are not at all interested.

41% of residents are interested in using an autonomous vehicle in the future.

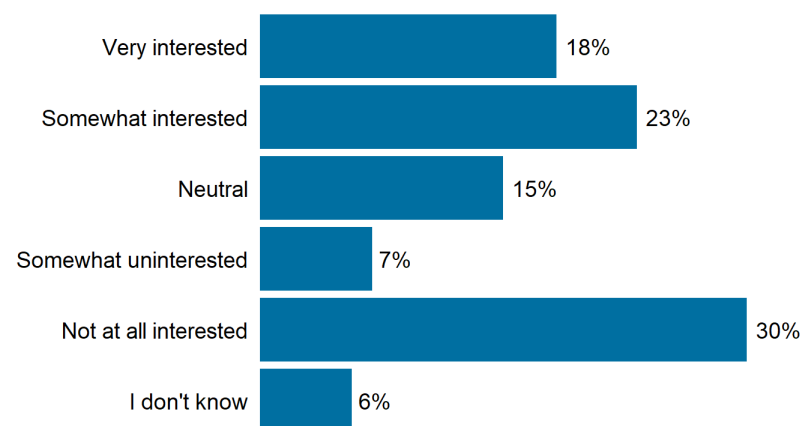
## INTEREST IN OWNING AUTONOMOUS VEHICLES IN THE FUTURE

UNWEIGHTED N = 8,030, WEIGHTED N = 1,750,190



## INTEREST IN USING AUTONOMOUS VEHICLES IN THE FUTURE

UNWEIGHTED N = 8,030, WEIGHTED N = 1,750,190



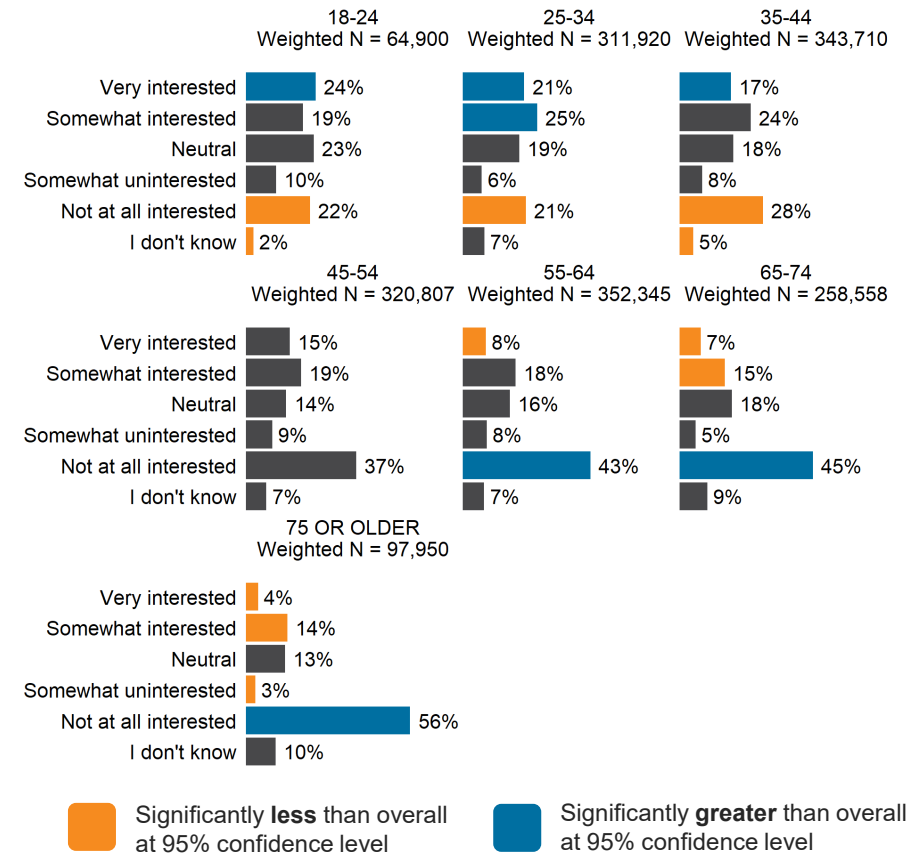
# Interest by Demographics

Interest in autonomous vehicles was analyzed by several demographic variables.

Residents who are more interested in using or owning autonomous vehicles in the future include the following:

- Younger residents
- Residents with higher incomes
- Residents of the Core Counties – Urban region

## INTEREST IN OWNING AUTONOMOUS VEHICLES IN THE FUTURE BY AGE



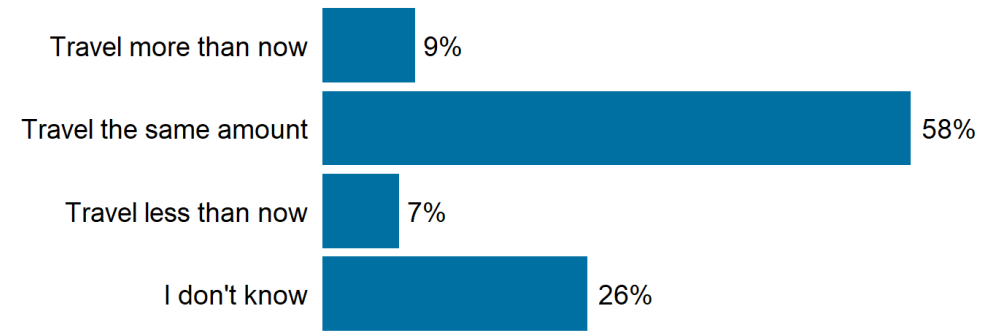
# Predicted Impacts of Autonomous Vehicles on Travel

The majority of residents predict that they will travel about the same amount as they do now when autonomous vehicles are used.

26% reported they do not know how they will travel in the future when AVs are used.

## PREDICTED FREQUENCY OF TRAVEL WHEN AUTONOMOUS VEHICLES ARE USED

UNWEIGHTED N = 8,030, WEIGHTED N = 1,750,190





## Equity Analysis

# Trip Rates

Residents with a disability have lower average daily trip rates than residents without a disability.

Residents between the ages of 35 and 54 have the highest average daily trip rates.

There is no difference in trip rate by gender.

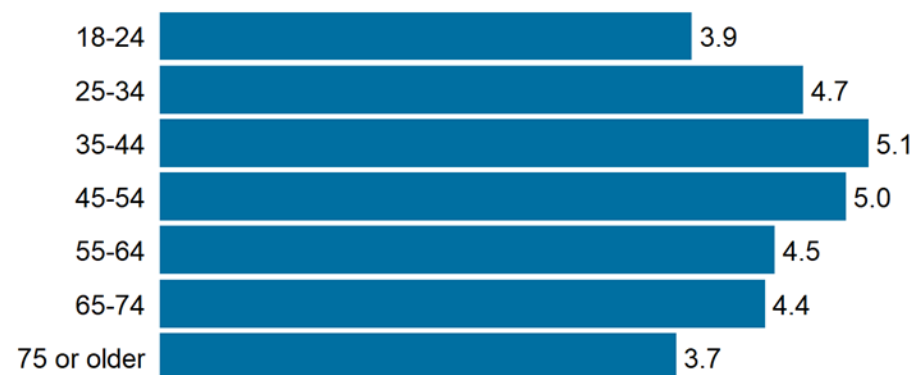
## AVERAGE DAILY TRIP RATE BY DISABILITY STATUS

UNWEIGHTED N = 32,886, WEIGHTED N = 2,972,894



## AVERAGE DAILY TRIP RATE BY AGE

UNWEIGHTED N = 33,027, WEIGHTED N = 3,021,715



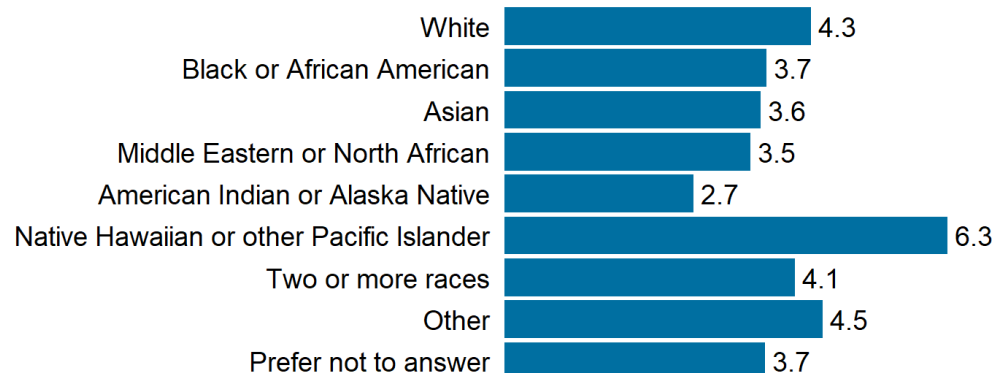
# Trip Rates

Hispanic, Asian, and Black or African American residents have lower average daily trip rates.

*Note: the sample sizes for Native Hawaiian or Pacific Islander, Middle Eastern or North African, and American Indian or Alaska Native are small (28, 58, and 101, respectively), causing more variation in observed trip rates.*

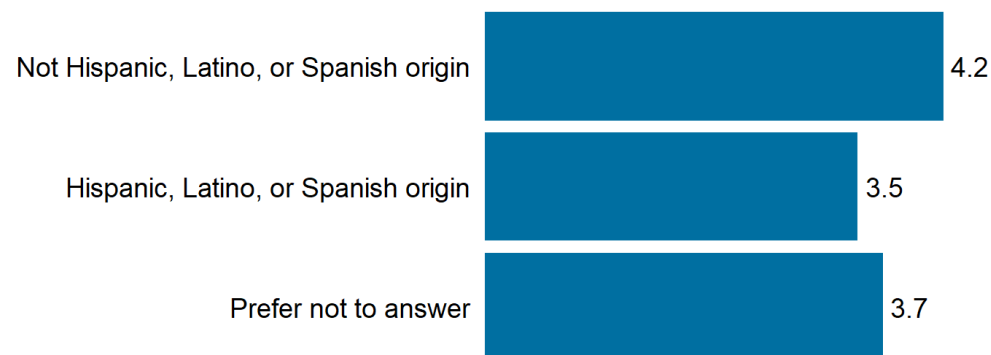
## AVERAGE DAILY TRIP RATE BY RACE

UNWEIGHTED N = 40,222, WEIGHTED N = 3,614,215



## AVERAGE DAILY TRIP RATE BY ETHNICITY

UNWEIGHTED N = 40,732, WEIGHTED N = 3,756,556

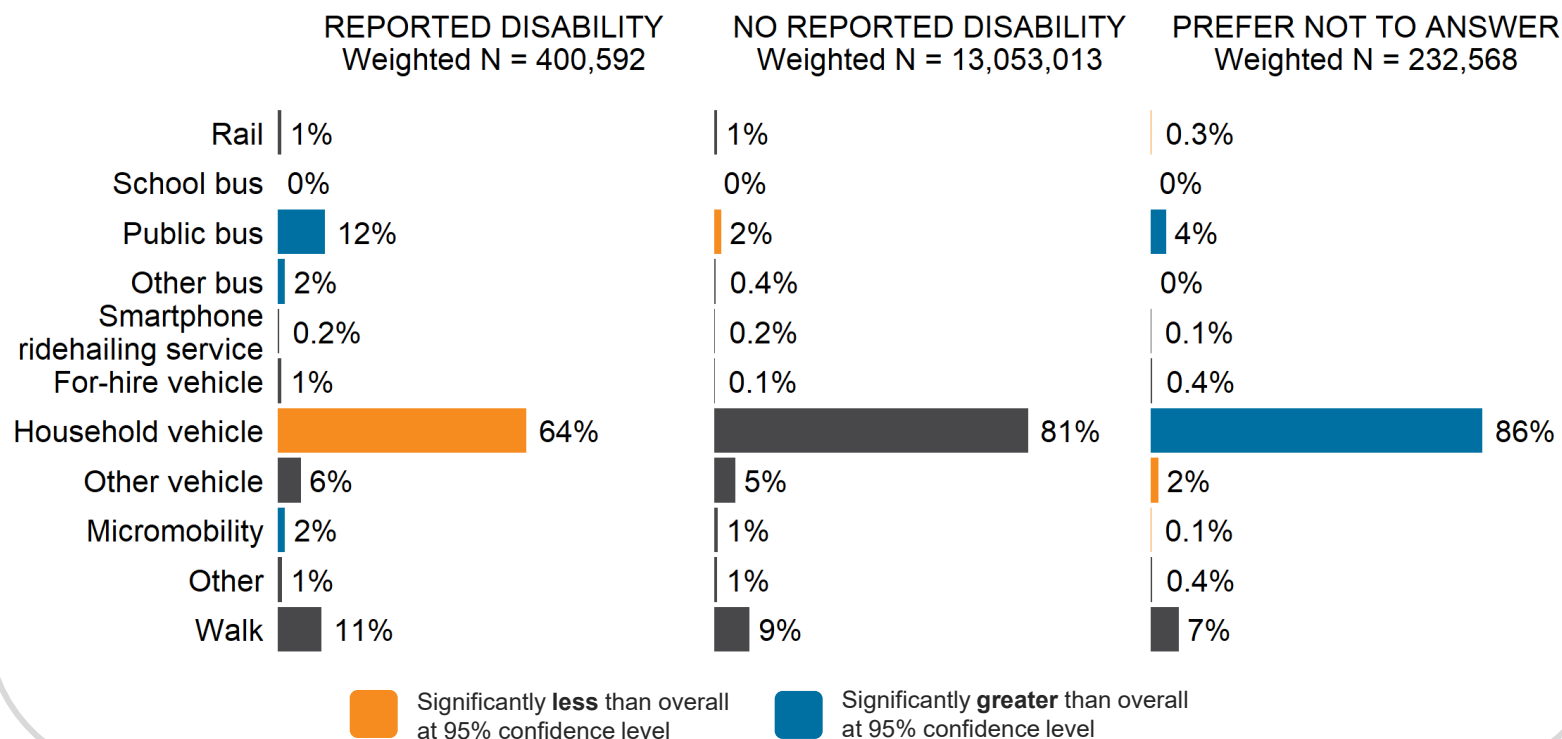




# Mode Share by Disability Status

Residents who reported a disability are more likely to make trips using the public bus and less likely to make trips in a household vehicle.

## MODE SHARE BY DISABILITY STATUS

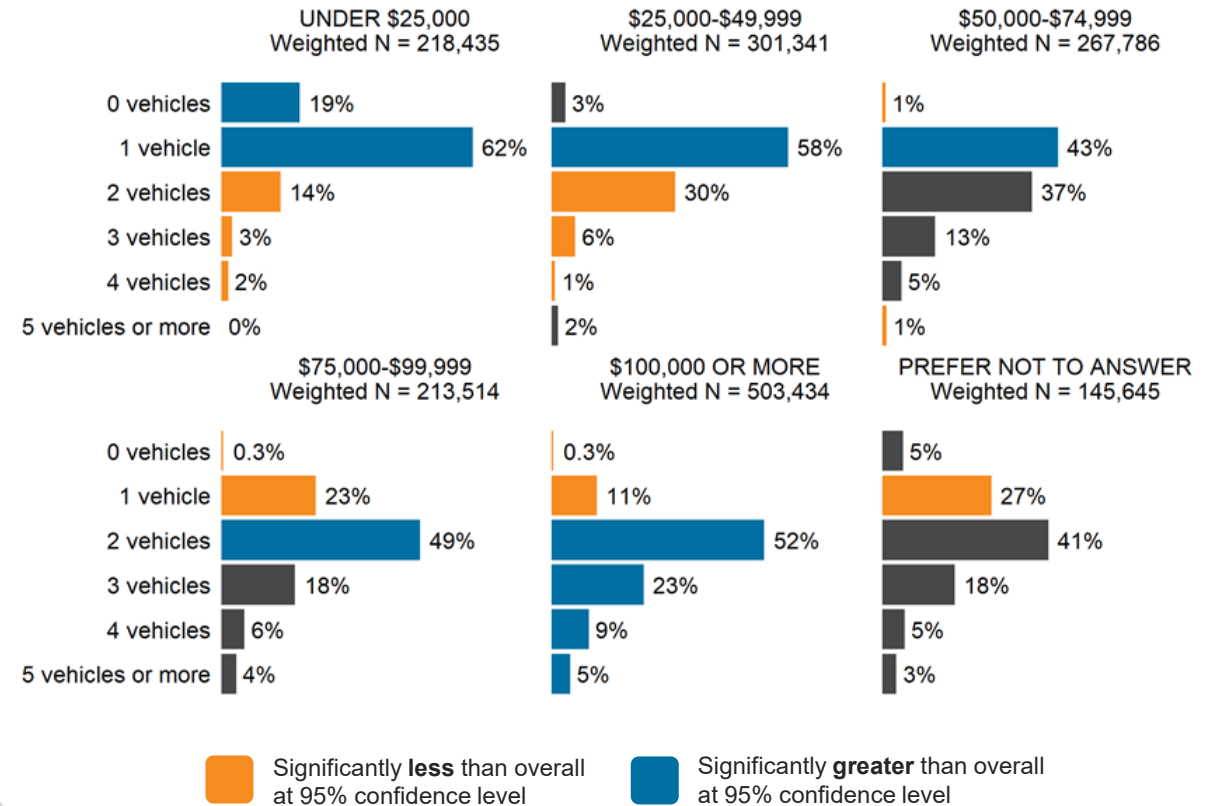


# Mode Use by Income

Households with incomes less than \$25,000 are less likely to own a vehicle.

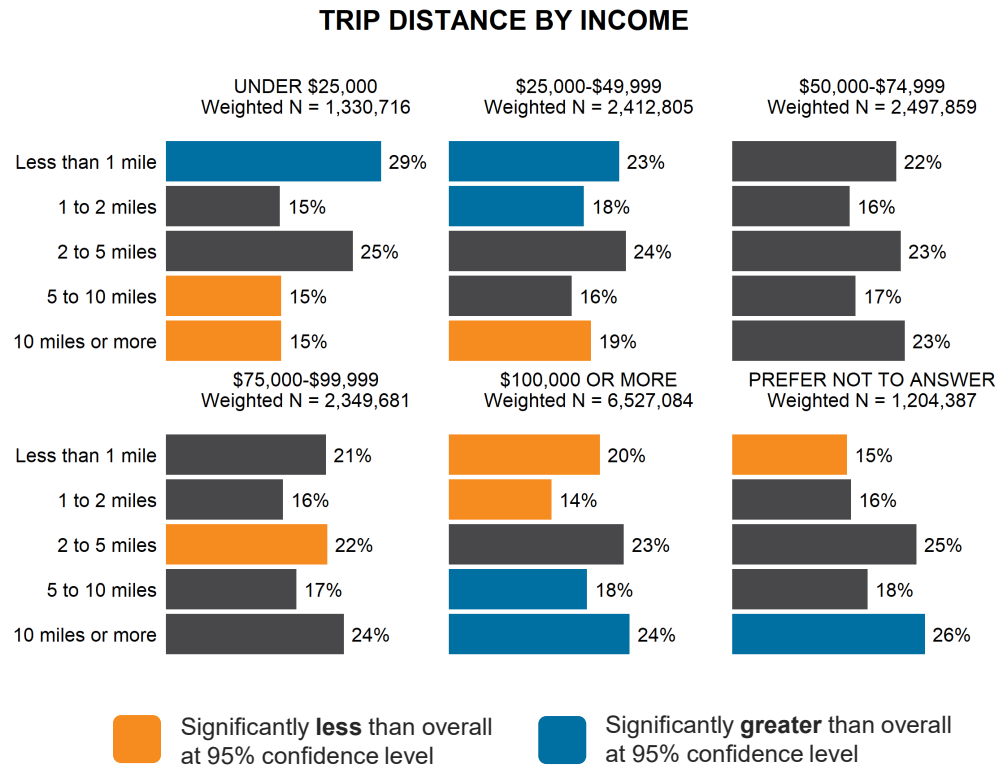
8% trips made by residents in households in the lowest income category use the public bus service.

## VEHICLE OWNERSHIP BY INCOME



# Trip Distance by Income

Residents in lower income households make a larger share shorter trips.

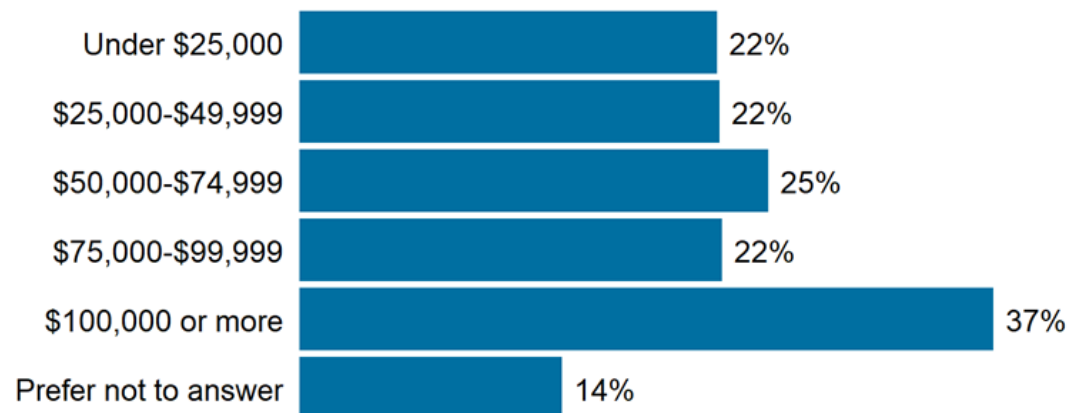


# Smartphone-App Ride Service Use by Income

Residents in households with incomes over \$100,000 are more likely to use smartphone-app ride services.

## SMARTPHONE-APP RIDE SERVICE USE BY INCOME

UNWEIGHTED N = 12,933, WEIGHTED N = 3,008,083





## Lessons Learned & Next Steps

# Wave 1 Lessons Learned

**2 key areas to improve upon in Wave 2:**

- 1. Sample Representativeness** and continued focus on participation from hard-to-reach groups
- 2. Decreasing survey burden for reporting children's trips** to increase children's school trips rates



# Lessons Learned: Wave 1 Study Design Experiments



## **Differential Incentives**

Increase completion rates for hard-to-reach populations



## **Targeted Oversampling**

Increase proportion of hard-to-reach households in the sample

## **Door-to-door Outreach**

Encourage hard-to-reach households to participate

## **Travel Date Reassignment**

Provide a second chance for survey dropouts to complete

**Opportunity to make informed decisions about future efforts and incorporate new methods with less risk.**



# Increasing Representation in the Survey Sample

## 3 key actions to improve representation:

1. **Oversampling** is critical to obtaining sufficient participation from hard-to-reach groups
2. **Outreach** to communicate the importance of the survey to communities to encourage participation
3. **Engagement/Reminders** once a hard-to-reach household engages with the study encourage them to fully complete the survey





# 1. Oversampling

**Some variables are easier to efficiently oversample than others.**

**Overcoming known response biases in the sample:**

- Zero-car households
- Low-income households
- Minority households
- Non-English speakers

## **Easier to oversample:**

- Concentrated in certain census block groups

- People under 30
- Large households

## **Harder to oversample:**

- Can sample students enrolled in higher education to address age bias
- Large HH response is often best handled through incentive structure



## 2. Outreach

### **Targeted outreach to populations of interest to improve participation.**

- Stakeholder identification and engagement
- Print and electronic news publications
- Community newspapers
- Social media
- Television
- Radio
- Connecting with community organizations and leaders

# 3. Recruitment and Engagement

## RECRUITMENT



### Mailed Invitation Materials

- Address-based sampling was used by drawing a random sample of addresses from all residential addresses in the survey region.
- An invitation letter was sent to sample addresses followed by two reminder postcards.

## ENGAGEMENT

### Informational Website

- Participate in the survey
- Answers frequently asked questions

### Call Center

- Participate in the survey
- Answer questions
- Reminder calls

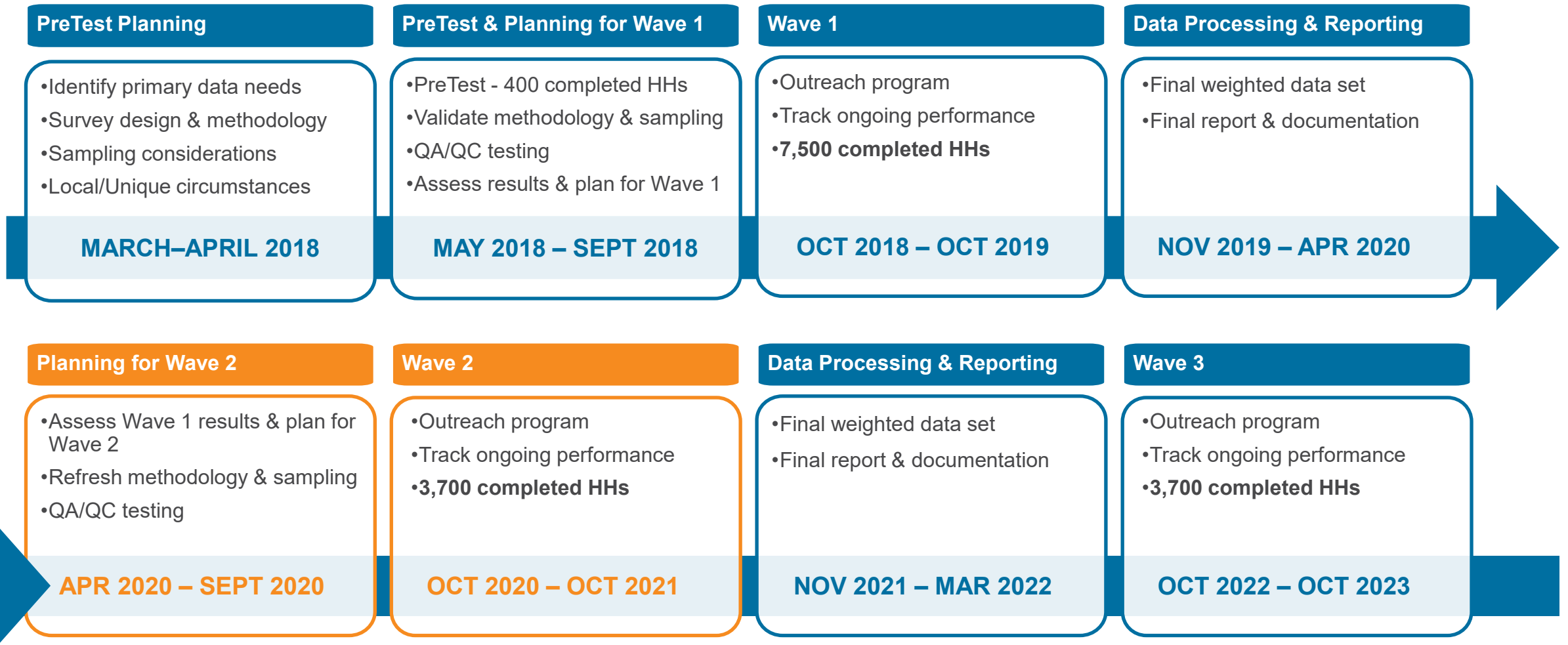
### Survey Email Address

- Answer participant questions
- Send reminder emails



# Next Steps

*Majority of decision making for Wave 2 in the next 4 months*



# Project Workflow

## PLANNING

APR 2020 – SEPT 2020

Sample Plan  
Development

Survey Design  
& Testing



## DATA COLLECTION

OCT 2020 – OCT 2021

Participant  
Recruitment &  
Engagement

Monitoring  
Survey Results



## PROCESSING & REPORTING

NOV 2021 – MAR 2022

Data Processing &  
Cleaning

Weighting

Analysis



# Wave 2 Planning Tasks

## *Next 4 Months*

### **Before each wave of data collection review:**

- Schedule of meetings and deliverables
- Detailed scope assumptions
- Evaluation of changes for the upcoming year
- Evaluation of risks for the upcoming year

**Continue to leverage previous work, not all tasks from Wave 1 will apply equally to future waves.**

### **Tasks Currently Underway**

- Work plan refresh
- Coordinating data needs

### **Upcoming Tasks (May – July)**

- Questionnaire development
- Sample planning
- Participant recruitment and engagement material refresh
- Outreach planning





## Contacts

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