



# APPENDICES

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Appendix A: Advance Notification Materials

Appendix B: Recruitment Questionnaire

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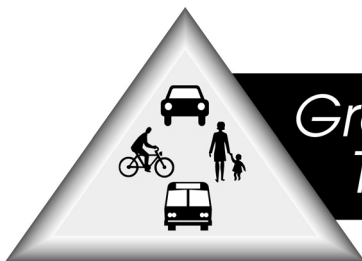
Appendix E: Retrieval Questionnaire

Appendix F: Retrieval Results



# **APPENDIX A: ADVANCE NOTIFICATION MATERIALS**

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# Greater Triangle Travel Survey

## Survey conducted by NuStats on behalf of:

North Carolina  
Department of Transportation  
(NCDOT)

Capital Area  
Metropolitan Planning Organization  
(CAMPO)

Durham-Chapel Hill-Carrboro  
Metropolitan Planning Organization  
(DCHC MPO)

Triangle Transit Authority (TTA)

and

## The Regional Planning Agencies for the following counties:

Chatham, Durham, Franklin,  
Granville, Harnett, Johnston,  
Lee, Nash, Orange, Person,  
Vance, and Wake

and the

Triangle Regional Model  
Service Bureau  
North Carolina State University

Centennial Campus  
Box 8601  
Raleigh, NC 27695  
(919) 515-8899  
[www.itre.ncsu.edu/TRM/](http://www.itre.ncsu.edu/TRM/)

**Si tiene preguntas en  
Español por favor llame  
a Jackie al:**

800-447-8287, ext. 2242

John Smith  
1234 Main Street  
Raleigh, NC 27695

DATE

Dear John,

**We need your help!** Your household, together with a few other families in the <<ZIP>> zipcode, have been selected to participate in the **Greater Triangle Travel Survey**, sponsored by the North Carolina Department of Transportation, the Capital Area Metropolitan Planning Organization, the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization and the Triangle Transit Authority. This survey will collect data about where we go and how we get there. The sponsors will use the survey results to plan projects such as jogging paths, sidewalks, bike routes, transit services, new roads and existing road improvements that will enhance air quality, access to jobs and the quality of life here in the Triangle region.

What are we asking of you?

- **First, participate in a 10-minute telephone interview.** In the next few days, you will receive a phone call between 5 and 9 p.m. to confirm your participation. An interviewer from NuStats/DataSource, a nationally recognized survey research firm, will call to answer any of your questions and also to ask some questions about your household.
- **Next, record your travel for 24 hours.** After the phone call, you will receive personalized travel logs in the mail. Your family should use the logs to record places they visit, or stops they make, whether around town or out of town, on an assigned day. We ask your help in ensuring that everyone in your household age 12 or older fills out their travel logs completely and accurately. Parents should fill out the logs of children under age 12.
- **Finally, provide your travel information in a follow-up phone call.** An interviewer will call after your travel day to collect the information from each person's travel log. The interviewer must speak directly with each person age 16 and older. If the logs were used to record exactly where people went, this interview is quick!

Confidentiality is critical to the success of our survey. We want you to feel secure in providing candid responses to our questions and *in providing us* your travel information. All information will be held in strict confidence. If you want to find out more about this survey, visit the survey website at [www.nustats.com/triangle](http://www.nustats.com/triangle) or call Leta Huntsinger of the Triangle Regional Model Service Bureau at 919-513-7378 or email [leta\\_huntsinger@ncsu.edu](mailto:leta_huntsinger@ncsu.edu).

Thank you for your time and consideration. Your participation will really make a difference!

Michael Bruff - Manager, Transportation Planning Branch  
NCDOT

## WHY SUPPORT THIS SURVEY?

**Mark Ahrendsen, TCC Chairman Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC MPO)**

*"We've heard from the public, through recent outreach efforts, that transportation is a top issue for the community. As we chart a 20-year vision for the greater Triangle region, we will rely on travel information from this survey. It's important that everyone's voice is heard as we develop transportation solutions for the future."*

**Ed Johnson, Director  
Capital Area Metropolitan Planning  
Organization (CAMPO)**

*"Mobility is essential for the economic health of our community. All citizens should participate to ensure that transportation projects planned for the region truly reflect the region's needs."*

**Sig Hutchinson, Chair  
Open Space and Parks Advisory  
Committee for Wake County**

*"The Triangle Travel Survey will provide regional planners with critical information needed to make the Triangle a safer, more accessible region for bicycles and pedestrians. I urge everyone to participate."*

**Alba Onofrio, Interim Executive Director  
El Centro Hispano**

*"Your participation in this study will allow our collective voices to be heard so we can contribute to the future transportation needs in the Triangle region."*

## FREQUENTLY ASKED QUESTIONS

### WHAT IS THE SURVEY?

- Collects information on travel behavior – when, where, how and why.
- Travel data will be used to reveal travel trends in the greater Triangle region.
- Our goal is to gather information necessary for our travel models to identify where transportation investment is most needed.

### WHY IS MY PARTICIPATION SO IMPORTANT?

- The last survey was done ten years ago and we need to understand changes in travel behavior since then.
- Your household will statistically represent 109 other households in your area and enable us to get a more accurate picture of the area's transportation needs.

### WHY DO YOU NEED SO MUCH PERSONAL INFORMATION?

- Personal characteristics are good predictors of household travel patterns, which we model to identify investment needs for the transportation system.
- Your information, combined statistically with that of other households, will be used to provide a general profile of everyone in your area. With this information, we can identify where future transportation investment is needed.



**YOU CAN HELP THE REGION  
PREPARE FOR ITS FUTURE  
TRANSPORTATION NEEDS!**

Find out how to participate inside.

Survey conducted by NuStats  
on behalf of:

North Carolina  
Department of Transportation (NCDOT)  
Capital Area  
Metropolitan Planning Organization (CAMPO)  
Durham-Chapel Hill-Carrboro  
Metropolitan Planning Organization  
(DCHC MPO)  
Triangle Transit Authority (TTA)

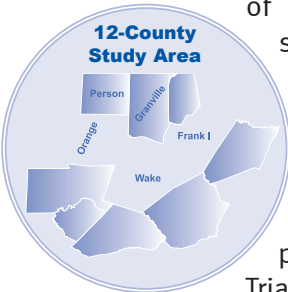
**AND THE**



Triangle Regional Model Service Bureau  
North Carolina State University

## WHY THIS SURVEY?

The design, construction, and maintenance of roads, bikeways, sidewalks, and public transit cost taxpayers a lot of money. The **GREATER TRIANGLE TRAVEL SURVEY** collects data about where people in the greater Triangle region travel for work, school, recreation, shopping, and other purposes to prioritize transportation needs. The results are used to plan the construction of future roads, sidewalks, bike routes, changes in bus service, and other projects that affect mobility, access to jobs, air quality, and quality of life.



### HOW WAS YOUR HOUSEHOLD SELECTED?

A small number of households in the greater Triangle region were randomly selected through a statistical process. By doing so, we are contacting some households with unlisted telephone numbers. Because survey organizations are exempt from Do-Not-Call lists, everyone in your area has an equal chance of being selected to participate in our study.

### CONFIDENTIALITY

*All information your household provides will be kept strictly confidential.*

*Your information will be combined with that from other residents for analysis and your name will not be associated with your responses.*

## WHAT DOES YOUR PARTICIPATION INVOLVE?



In the next 2-3 days, you will receive a phone call between 5:00pm and 9:00pm. The phone call will be from an interviewer at NuStats/DataSource, a nationally recognized survey research firm. Questions will be asked to ensure that our survey represents all types of households in the greater Triangle region. Such information includes the number of people, their ages and race/ethnicity, where they work or go to school, and the number and types of vehicles. The interviewer who calls can answer any questions that you have about the survey.

*To plan for future transportation needs, decision makers rely on the information YOU provide about your actual travel habits. But, your household's information can only be used for planning and decision-making if everyone in the household participates.*



Next, all persons in the household will receive personalized travel logs in the mail. The logs are to record all the places that members of your household travel to in the greater Triangle region for one-day. Logs should be self-completed by all persons ages 12 and older. Parents should fill out the logs of all children under age 12.

An interviewer will call after your travel day to collect information from each person in the household. The interviewer must speak directly with each person age 16 and older, so a specific appointment (day and time) will be set. If the logs were used to record exactly where people went, this interview is quick.



### WANT MORE INFORMATION ABOUT THE SURVEY?

**Call Stacey Bricka, NuStats, toll-free 1-800-447-8287, ext. 2240, or email, [sbricka@nustats.com](mailto:sbricka@nustats.com)**

### WANT MORE INFORMATION ABOUT HOW THE INFORMATION WILL BE USED?

**Call Leta Huntsinger, TRM, 919-513-7378, or email, [leta\\_huntsinger@ncsu.edu](mailto:leta_huntsinger@ncsu.edu)**



# APPENDIX B: RECRUITMENT QUESTIONNAIRE

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## Greater Triangle Household Travel Survey Recruitment Interview, Version 7

### Notes:

- Items in ALL CAPS are programmer/interviewer notes or response codes that are not read to the respondent.
- Items appearing in caps with brackets such as [AGENCY] denote merge fields where the actual information to be read may vary across respondents.
- Items in upper and lower case (unless otherwise noted) are read to the respondent verbatim.
- The numbering of the choice sets may sometimes not be continuous. This is because we use standard codes for response categories of “other – specify”, don’t know, and refused.
- The completed recruitment interviews will be tracked by the same categories as identified for retrieval, with goals set assuming 70% of each respondent type will complete the retrieval process.

### INTRODUCTION #1: For non-low income areas

Hi –I’m calling on behalf of the North Carolina Department of Transportation and your regional transportation planning agency, who are co-sponsoring the Greater Triangle Travel Study. In this study, we’re interviewing families in the greater Triangle region about their travel. Your participation in this survey will help planners improve transportation by learning how local residents travel in and around the Greater Triangle area. [IF SAMPLE IS LISTED] You or someone in your household may have received a letter and a brochure we sent about this study.

The length of the survey will depend on the characteristics of your household, but this phase of the survey should take about 17-20 minutes of your time.

May I speak with [NAME – IF LISTED SAMPLE] / [an adult in the house – IF UNLISTED SAMPLE]?

ADULT ON PHONE: We’re conducting the Greater Triangle Travel Study to understand why and how people travel in the region, in order to identify and prioritize transportation needs for the region over the next decade. The study is purely a research effort, your participation is voluntary, and your answers will be completely confidential.

Have I reached you on a cell phone? (Yes/No – If Yes, is there a different number where I can reach you?)

### INTRODUCTION #2: For low income areas

Hi – my name is \_\_\_\_\_ and I’m calling about the Greater Triangle Travel Study. We’re talking with families in the greater Triangle region about the trips they make. Transportation planners will use these details to improve your travel options in the future. The length of the survey will depend on the characteristics of your household, but this phase of the survey should take about 17-20 minutes of your time. May I speak with [NAME – IF LISTED SAMPLE] / [an adult in the house – IF UNLISTED SAMPLE]?

ADULT ON PHONE: We’re conducting the Greater Triangle Travel Study to understand why and how people travel in the region, in order to identify and prioritize transportation needs for the region over the next decade. The study is purely a research effort, your participation is voluntary, and your answers will be completely confidential.

Have I reached you on a cell phone? (Yes/No – If Yes, is there a different number where I can reach you?)

Screener Questions – asked of everyone

S1 First, I'd like to confirm you're eligible for our study. Do you live in [COUNTY] county?

- 1 YES
- 2 NO
- 9 DK/RF

S2 IF NO TO S1: In what county do you live?

- 1 CHATHAM
- 2 DURHAM
- 3 FRANKLIN
- 4 GRANVILLE
- 5 HARNETT
- 6 JOHNSTON
- 7 LEE
- 8 NASH
- 9 ORANGE
- 10 PERSON
- 11 VANCE
- 12 WAKE
- 97 OTHER (SPECIFY) --> TERMINATE AS OUT OF AREA
- 98 DON'T KNOW --> TERMINATE
- 99 REFUSED --> TERMINATE

S3 Does anyone in your household use transit on a typical weekday (AT LEAST ONCE A WEEK)?

- 1 YES
- 2 NO
- 9 DK/RF

S4 Does anyone in your household walk or ride a bike to work or school on a typical weekday (AT LEAST ONCE A WEEK)?

- 1 YES
- 2 NO
- 9 DK/RF

V1 How many vehicles are owned, leased, or available for regular use by the people who currently live in your household? Please be sure to include motorcycles, mopeds, and RVs. INTERVIEWER NOTE: THE NUMBER OF TRIPS MADE BY A HOUSEHOLD IS OFTEN DIRECTLY RELATED TO THE NUMBER OF VEHICLES.

ENTER NUMBER

98...DON'T KNOW – TERMINATE WITH BELOW TEXT

99...REFUSED – terminate "Thank you but without this information, your household will not be eligible to participate in this study." PAUSE AND GIVE FINAL OPPORTUNITY FOR RESPONDENT TO ANSWER BEFORE TERMINATING

H1. How many people, including yourself, live in your home?

ENTER NUMBER

98...DON'T KNOW – TERMINATE WITH BELOW TEXT

99...REFUSED – terminate "Thank you but without this information, your household will not be eligible to participate in this study." PAUSE AND GIVE FINAL OPPORTUNITY FOR RESPONDENT TO ANSWER BEFORE TERMINATING

**NOTE TO INTERVIEWER:** INCLUDE IN THIS NUMBER FOSTER CHILDREN, ROOMERS, HOUSEMATES, PEOPLE LIVING HERE MOST OF THE TIME WHILE WORKING, EVEN IF THEY HAVE ANOTHER PLACE TO LIVE, HOUSEHOLD MEMBERS ON ACTIVE DUTY. **DO NOT INCLUDE** COLLEGE STUDENTS LIVING AWAY WHILE ATTENDING COLLEGE OR PEOPLE WHO LIVE AT ANOTHER PLACE MOST OF THE TIME.

- S5 And do you or anyone in your household attend a college or university in the region on a typical weekday at least one day a week?
- 1 YES
  - 2 NO
  - 9 DK/RF
- S6 How often do you and others in your household seek information about traffic and general travel conditions in the region?
- 1 NEVER → SKIP TO S9
  - 2 AT LEAST ONCE A WEEK
  - 3 2-4 TIMES PER WEEK
  - 4 5+ TIMES PER WEEK
- S7 Where do you go to get this information? (MULTIPLE RESPONSE)
- 1 Internet
  - 2 Commercial Radio
  - 3 Television
  - 4 Variable Message Signs (signs on the side of the road)
  - 5 Highway Advisory Radio
  - 6 Traveler Information Hotline (511)
  - 7 Other (specify)
- S8 Have you ever changed your travel plans based on the information you got?
- 1 YES
  - 2 NO
  - 9 DK/RF
- S8a If YES: How? (MULTIPLE RESPONSE)
- 1 Changed Route of Travel
  - 2 Changed Time that you started trip (DEPARTURE TIME)
  - 3 Changed mode of travel
  - 4 Cancelled trip

The second part of this study is to understand why, when, and where people travel in the region. To do this, we're asking households to record their travel for a 24-hour period. If you could help us with this study, we'd ask you some questions about your household today to make sure that all regional households are represented. Then we ask for some details about each person in your household in order to prepare personalized logs, which we'd mail to you. After you record your local travel, we call back to collect your information. Everything asked is for research purposes only and will be held in strict confidence.

- S9 By participating in this study, your information will be used to represent 109 other households in your community, and no one else can be substituted for you. Will you help your local and state governments by participating in this study?
- 1 AGREE TO PARTICIPATE
  - 2 REFUSAL



VEHICLE ROSTER

ZERO VEHICLE HOUSEHOLDS SKIP TO H1a

**START VEHICLE ROSTER**

V2-V4 Earlier, you indicated that you had [HHVEH] vehicles. I have a few questions about each of these vehicles. Let's start with the vehicle that is driven the most. What are the make, model and year of this vehicle? INTERVIEWER NOTE: THESE DETAILS ABOUT THE HOUSEHOLD VEHICLES HELP TO MONITOR AIR QUALITY ISSUES.

**PROGRAMMING NOTE: SHOW MATRIX ON SCREEN**

VEH #	V2=MAKE [CODE]	V3=MODEL [CODE]	V4=YEAR
01			
02			
03			
04			
05			

V5 What is the fuel type?

- 1 Gas
- 2 Diesel
- 7 Other (specify)

V6 And is this a/an?

- 1 Car or station wagon?
- 2 Van (ANY TYPE)
- 3 SUV
- 4 Pick-up Truck
- 5 Other kind of truck
- 6 RV
- 7 Motorcycle,
- 97 Or something else (specify)?
- 99 REFUSED

HOUSEHOLD ROSTER (PART 1)

H1a How many bicycles does your household own and use on a regular basis?

ENTER NUMBER

8...DON'T KNOW

9...REFUSED

H2 Besides vehicles and bicycles, there are other factors that influence how and when your household travels. So I will need to ask you a few questions about your household. Which best describes your home?

1 One-family house detached from any other house

2 One-family house attached to one or more houses [DUPLEX, ROW HOUSE, TOWNHOUSE]

3 Mobile home

4 Building with 2 or more apartments [CONDO, APARTMENT, etc.]

7 Or something else? SPECIFY

9 REFUSED

H3 Is this home

1 Owned by you or someone in this household

2 Rented for cash rent or

3 Occupied without payment of cash rent,

7 Or something else? SPECIFY

9 REFUSED

H4 How long have you lived at this location?

1 Less than 1 year

2 At least 1 year but less than 2 years

3 At least 2 years but less than 5 years

4 At least 5 years but less than 10 years

5 10 or more years

9 REFUSED

IF LIVED AT CURRENT ADDRESS LESS THAN 2 YEARS (H4<3), ASK H5, ELSE SKIP TO H6

H5 Where did you live before this?

CITY

STATE

ZIP

H6 When you moved to this current home, what factors did you consider when selecting this location?

(SELECT ALL THAT APPLY) ROTATE

1 Job location / length of commute

2 Access to transit

3 Quality of school district/access to desirable school

4 Crime level/ neighborhood safety in the new neighborhood

5 Neighborhood appearance or other amenities

7 Other (specify)

9 REFUSED

H7 How many telephone numbers does your household have? This includes only land-lines or those hard wired to your house but excludes cellular phones. THIS INCLUDES DIGITAL PHONE SERVICE

9 REFUSED

H8 And how many cellular telephone numbers do members of your household have?

9 REFUSED

H9 [IF H7>1] How many of these hard-wired telephone numbers, if any, are dedicated to a FAX machine or modem?

9 REFUSED

H10 In the past 12 months, have there been times, even for a few days, when you did not have phone service at your home?

- 1 YES
- 2 NO ⇒ **SKIP TO H12**
- 8 DON'T KNOW ⇒ **SKIP TO H12**
- 9 REFUSED ⇒ **SKIP TO H12**

H11 How long were you without a phone service?

- 1 LESS THAN 2 WEEKS
- 2 2 WEEKS TO LESS THAN 1 MONTH
- 3 1 MONTH TO LESS THAN 3 MONTHS
- 4 3 MONTHS TO LESS THAN 6 MONTHS
- 5 6 MONTHS TO LESS THAN 1 YEAR
- 8 DON'T KNOW
- 9 REFUSED

H14 And to ensure your household properly represents others in the region, can you tell me if your total household income for 2005 was above or below \$35,000? INTERVIEWER NOTE: HOUSEHOLD INCOME NOT ONLY ALLOWS US TO VERIFY THAT WE ARE INCLUDING ALL TYPES OF HOUSEHOLDS FROM THE REGION, BUT ALSO HAS BEEN FOUND TO BE RELATED TO THE TYPES OF TRIPS HOUSEHOLDS MAKE.

H14a [IF BELOW \$35,000] Is it above or below \$15,000?

If below \$15,000, INCOME=1

[IF AT OR ABOVE \$15,000] Is it above or below \$25,000?

\$15,000 - < \$25,000, INCOME=2

\$25,000 - < \$35,000, INCOME=3

H14b [IF \$35,000 OR ABOVE] Is it above or below \$50,000?

[IF BELOW \$50,000, INCOME=4]

[IF \$50,000 OR ABOVE] Is it above or below \$75,000?

if \$50,000 to < \$75,000, INCOME=5

if \$75k or greater, Is it above or below \$100,000?

If \$75k to <\$100k, INCOME=6

If \$100k+, INCOME=7

IF REFUSED: I appreciate your concerns about providing this information, but I only need to properly identify your household as belonging to one of the following categories: READ INCOME LIST

- 1 \$0 - \$14,999
- 2 \$15,000 - \$24,999
- 3 \$25,000 - \$34,999
- 4 \$35,000 - \$49,999
- 5 \$50,000 to \$74,999
- 6 \$75,000 to \$99,999
- 7 \$100,000 or more
- 9 REFUSED

PROGRAMMER: COMPUTE INCOME

PERSON ROSTER
---------------

Now I need to get some information about each household member. Earlier you indicated that there were <HHSIZ> persons in your household. First I need the names for each person in the household.

[IF HHSIZE=2] What is the first name of the other person living in your home?

[IF HHSIZE>2] Excluding you, what's the first name of the oldest person?

What's the name of the next oldest person in the household? [EXCLUDING REFERENCE PERSON]

What's the first name of the next oldest person? [EXCLUDING REFERENCE PERSON]

BEGIN SERIES OF QUESTIONS WITH REFERENCE PERSON, THEN COLLECT FOR OTHER HOUSEHOLD MEMBERS. IF UNCOMFORTABLE GIVING CHILDREN'S NAMES, OKAY TO DO "CHILD #1, CHILD #2," ETC OR USE INITIALS

- P1 [DON'T ASK FOR RESPONDENT] How is this person related to you?
- 0 REFERENCE PERSON [CAN'T USE FOR OTHER HH MEMBERS]
  - 1 SPOUSE/PARTNER
  - 2 CHILD
  - 3 PARENT
  - 4 GRANDPARENT
  - 5 GRANDCHILD
  - 6 OTHER RELATIVE
  - 7 NOT RELATED
  - 9 REFUSED

- P2 What is this person's gender? [RECORD BY OBSERVATION FOR RESPONDENT]
- 1 MALE
  - 2 FEMALE
  - 9 REFUSED

- P3 What is this person's age?  
\_\_\_\_\_ [enter in years]
- 98 98 or older
  - 99 DON'T KNOW/ REFUSED

- P3a IF AGE = DK/RF: Many of our questions about this person are based on his/her age. Can you tell me if NAME is at least 16 years of age?
- 1 UNDER 16
  - 2 AGE 16-64
  - 9 DK/RF

- P4 Are you Hispanic, Latino, or Spanish? [ASK FOR REFERENCE PERSON ONLY]
- 1 Yes
  - 2 No
  - 9 REFUSED

P5 I'm going to read a list of race categories. Please chose one or more races you consider yourself to be:  
[ASK FOR REFERENCE PERSON ONLY]

INTERVIEWER NOTE: IF YES TO P4, PREFACE QUESTION WITH "IN ADDITION TO BEING HISPANIC, LATINO OR SPANISH," ...

- 1 White
- 2 African American, Black
- 3 Asian
- 4 American Indian, Alaskan Native
- 5 Native Hawaiian or other Pacific Islander?
- 6 MULTIRACIAL [NOT READ BY INTERVIEWER – ONLY USED IF RESPONDENT SAYS WITHOUT PROMPTING – TO HELP WITH POST PROCESSING]
- 7 HISPANIC/ MEXICAN [NOT READ BY INTERVIEWER – ONLY USED IF RESPONDENT SAYS WITHOUT PROMPTING – TO HELP WITH POST PROCESSING]
- 8 OTHER - SPECIFY
- 9 REFUSED

- P5a Does NAME have any type of disability that makes it difficult to travel outside the home?
- 1 YES
  - 2 NO
  - 9 DK/RF

- P5b IF YES: What type of disability is that?
- 1 BLIND/VISUAL
  - 2 TRANSFERABLE WHEELCHAIR
  - 3 NON-TRANSFERABLE WHEELCHAIR
  - 4 DEAF/HEARING IMPAIRED
  - 5 MENTALLY DISABLED
  - 6 CANE/WALKER
  - 7 OTHER (SPECIFY)
  - 8 DON'T KNOW
  - 9 REFUSED

PROGRAMMER NOTE: IF UNDER AGE 16, SKIP TO P10
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P6 Does NAME have a valid driver's license?

- 1 YES
- 2 NO
- 9 DK/RF

P7 Are you employed, either full-time or part-time?

- 1 EMPLOYED FULL-TIME (30+ HOURS/WEEK)
- 2 EMPLOYED PART-TIME (<30 HOURS /WEEK)
- 3 NOT EMPLOYED
- 9 DK/RF

P8 [IF P7>2] Does NAME do any type of volunteer work on a regular basis?

- 1 YES – TREAT AS EMPLOYED
- 2 NO
- 9 DK/RF

P9 [IF P7>2 AND P8>1] Which of the following best describes NAME's status?

- 1 Retired,
- 2 Disabled / On Disability Status,
- 3 Homemaker,
- 4 Unemployed but looking for work,
- 5 Unemployed and not looking for work, or
- 6 a Student?
- 7 OTHER (specify)
- 9 REFUSED

P10 [AGE>4] In the last week, how many trips has this person made:

- a. by biking (excluding exercise) \_\_\_\_\_ 99=DK/RF
- b. by walking (excluding exercise) \_\_\_\_\_ 99=DK/RF

P11 [AGE 16+] Has this person used public transit in the past 2 months?

- 1 YES
- 2 NO
- 9 DK/RF

WORK-RELATED DATA - AGE 16 AND OLDER AND P7<3 OR P8=1 (REST SKIP TO SCHOOL SECTION)
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If P8=1 read:

For this next series of questions, please answer them based on NAME's volunteer position.

W0 How many jobs does NAME have? Please include all paid and volunteer positions that he/she works on a regular basis.

\_\_\_\_\_ # Jobs (MUST BE AT LEAST ONE. CANNOT BE DK/RF)

IF MORE THAN ONE JOB: For this next series of questions, please consider only NAME's primary job.  
INTERVIEWER NOTE: THIS IS DEFINED AS THE ONE WHERE THEY WORK THE MOST HOURS. IF WORK EQUAL HOURS, IT IS THE JOB THEY HAVE HELD THE LONGEST

W1 I am going to read some occupational categories. Please tell me which one best describes the type of work/volunteer activity this person does: DO NOT FORCE A CATEGORY – IF THE RESPONDENT DOESN'T KNOW, SELECT "OTHER" AND TYPE IN VERBATIM WHAT THEY SAY

Would you say it was ... ROTATE

- 1 Management
- 2 Technical or Professional
- 3 Legal, Social Service or Health Care
- 4 Education or the Arts
- 18 Administrative/Clerical
- 17 Sales and related occupations
- 5 Service
- 6 Industrial / Construction / Agricultural / Transportation
- 9 Armed Forces
- 97 OTHER - SPECIFY
- 98 DK
- 99 REFUSED

IF MANAGEMENT ASK:

Would that be?

- 1 Management,
- 2 Farmers and Farm Managers, or
- 3 Business and Financial Operations Specialists?
- 97 OTHER SPECIFY
- 98 DON'T KNOW

IF TECHNICAL OR PROFESSIONAL, ASK:

Would that be -

- 4 Computer and mathematical sciences,
- 5 Architecture or Engineering
- 6 Life, Physical, Social Scientist?
- 97 OTHER SPECIFY
- 98 DON'T KNOW

IF LEGAL, SOCIAL SERVICE, HEALTH CARE ASK

Is that?

- 8 Lawyer, Paralegal,
- 7 Community and social service provider
- 11 Health Care Practitioners & Professional Support (MD, RN, LPN, etc), or
- 12 Healthcare Support Operations, non-professional?
- 97 OTHER SPECIFY
- 98 DON'T KNOW

IF EDUCATION OR THE ARTS ASK

Is that?

- 9 Education, Technical Training, Librarian
- 7 Arts, Design, Entertainment, Sports, Media
- 97 OTHER SPECIFY
- 98 DON'T KNOW

IF SERVICES ASK - Is that?

- 12 Healthcare Support Operations, non-professional [DUPLICATE – PER CENSUS]
- 13 Protective Services
- 14 Food Preparation Services
- 15 Building and Grounds Maintenance
- 16 Personal Care and Services
- 21 Installation, Maintenance and Repair
- 97 OTHER SPECIFY
- 98 DON'T KNOW

- IF INDUSTRIAL / CONSTRUCTION / AGRICULTURE/ TRANSPORTATION ASK: Is that
- 19 Farming, Fishing, Forestry (no as owner/manager)
  - 20 Construction and Excavation
  - 21 Installation, Maintenance, and Repair [DUPLICATED PER CENSUS]
  - 22 Production / Assembly Line
  - 23 Transportation and Material Moving
  - 97 OTHER SPECIFY
  - 98 DON'T KNOW

W2 Transportation planners are interested in [workplace/volunteer] locations because travel to [work/volunteer] activity often affects other daily travel. What is the name of this person's [employer/volunteer location]? IF SELF-EMPLOYED, OBTAIN NAME OF BUSINESS

- 1 SELF-EMPLOYED (SPECIFY BUSINESS / COMPANY NAME)
- 2 North Carolina State University (NC State, NCSU)
- 3 University of North Carolina (UNC)
- 4 Duke University
- 7 OTHER (SPECIFY BUSINESS / COMPANY NAME)
- 9 DK/RF

W2a IF W2=2, 3, or 4, collect building/dept as part of the work address. AND Set new variable (CAMPUS) =1 for this person.

W3 At what location does this person normally [work/volunteer]?

INTERVIEWER NOTE: IF THIS PERSON WORKED AT MORE THAN ONE LOCATION, OBTAIN WHERE HE OR SHE WORKED MOST (MAIN JOB).  
 IF WORKS BOTH AT HOME AND WORK, GET WORK ADDRESS  
 IF NEEDED: WE ARE NOT GOING TO CONTACT YOU THERE. TRANSPORTATION PLANNERS ARE INTERESTED IN WORKPLACE LOCATIONS BECAUSE TRAVEL TO WORK OFTEN AFFECTS OTHER DAILY TRAVEL.  
 IF VARIES, OBTAIN ADDRESS FOR LOCATION WORKED AT LAST WEEK

- 1 HOME
- 2 ADDRESS GIVEN – ENTER BELOW
- 3 VARIES – ENTER MOST RECENT LOCATION BELOW
- 4 NO SET WORK LOCATION – ENTER CENTRAL OFFICE IF APPLICABLE
- 8 DON'T KNOW
- 9 REFUSED

ENTER THE STREET ADDRESS OF THIS PERSON'S WORKPLACE (CANNOT ENTER 'VARIES')

Street Number \_\_\_\_\_  
 Street Name \_\_\_\_\_  
 City \_\_\_\_\_  
 County \_\_\_\_\_  
 ZIP: \_\_\_\_\_

W4. What is the name of the street or road that nearest the workplace/volunteer location?

Cross Street: \_\_\_\_\_  
 8 DON'T KNOW  
 9 REFUSED

W5 Would you please provide a landmark that is close to this person's primary workplace/volunteer location?

This could be a well-known building, park, monument, or school. INTERVIEWER NOTE: USE LANDMARK TABLE IF NECESSARY

Name of Landmark: \_\_\_\_\_  
 8 DON'T KNOW  
 9 REFUSED

W7 How does this person normally get to work/their volunteer activity? IF NEEDED: THAT IS, THE ONE USED FOR MOST OF THE DISTANCE. SKIP IF W3=1

- 1 WALK
- 2 BIKE
- 3 AUTO / VAN/ TRUCK DRIVER
- 4 AUTO / VAN / TRUCK PASSENGER
- 5 TRANSIT BUS
- 6 TAXI/ SHUTTLE
- 97 OTHER (SPECIFY)
- 98 DON'T KNOW
- 99 REFUSED

W8 Does NAME's job require you/him/her to have you/his/her personal vehicle available while at work?

- 1 YES
- 2 NO
- 9 DK/RF

W9 Does NAME's employer allow him/her to work from home for pay on a regular basis? This would be in place of driving to a regular work location, something that is commonly referred to as "telework." SKIP IF W3=1

- 1 YES
- 2 NO
- 8 DON'T KNOW
- 9 REFUSED

W10 Does he/she have fixed work hours, where he/she is required to arrive a work at a specific time every day?

- 1 YES
- 2 NO
- 9 DK/RF

W11 [IF W10=1] What time is that?  
ENTER WORK START TIME

W12 How long has he/she worked at this location?

- 1 Less than 1 year
- 2 At least 1 year but less than 2 years
- 3 At least 2 years but less than 5 years
- 4 At least 5 years but less than 10 years
- 5 10 or more years
- 1 REFUSED

W13 [IF W12<3] Where did you work before that?

CITY  
STATE  
ZIP

W14 In selecting this job, which factors were most important to you? (MULTIPLE RESPONSE) ROTATE

- 1 Wage or Salary
- 2 Career Opportunity
- 3 Job location / length of commute
- 4 Access to transit
- 5 Location of child's school
- 6 Crime level / neighborhood safety at new work location
- 7 Work location appearance or other amenities
- 97 Other (specify)
- 99 Refused



SCHOOL-RELATED DATA – ASK OF ALL HH MEMBERS

S1 What is the highest degree or level of school this person has completed?

- 1 Not a high school graduate, 12 grade or less (THIS INCLUDES VERY YOUNG CHILDREN TOO)
- 2 High school graduate (high school diploma or GED)
- 2 Some college credit but no degree
- 3 Associate or technical school degree
- 4 Bachelor's or undergraduate degree
- 5 Graduate degree (includes professional degree like MD, DDs, JD)
- 7 OTHER, SPECIFY
- 9 DK/RF

S2 Is this person currently enrolled in any type of school, including [if age<6 daycare], technical school, or university? IF AGE 18+, FOLLOW UP WITH: IS THAT FULL-TIME OR PART-TIME?

- 1 YES – FULL TIME
- 2 YES – PART TIME
- 2 NO – GO TO NEXT SECTION
- 9 DK/RF– GO TO NEXT SECTION

S3 What school grade or level does this person attend?

- 1 DAYCARE
- 2 NURSERY SCHOOL, PRE-SCHOOL
- 3 KINDERGARTEN TO GRADE 8
- 4 GRADE 9 TO 12
- 5 TECHNICAL/VOCATION SCHOOL
- 6 2-YEAR COLLEGE (COMMUNITY COLLEGE)
- 7 4-YEAR COLLEGE OR UNIVERSITY
- 8 GRADUATE SCHOOL/PROFESSIONAL
- 97 OTHER, SPECIFY
- 99 DK/RF

S4 What is the name of that school? CHECK AGAINST MASTER LIST.

S5 Where is it located?

- 1 HOME
- 2 ADDRESS GIVEN – ENTER BELOW
- 3 North Carolina State University (NC State, NCSU)
- 4 University of North Carolina (UNC)
- 5 Duke University
- 7 OTHER (SPECIFY BUSINESS / COMPANY NAME)
- 9 DK/RF

S5a IF S5=3, 4, or 5, collect building/dept as part of the school address. AND Set new variable (SCAMPUS) =1 for this person.

ENTER THE STREET ADDRESS OF THIS PERSON'S SCHOOL

Street Number \_\_\_\_\_  
Street Name \_\_\_\_\_  
City \_\_\_\_\_  
County \_\_\_\_\_  
State \_\_\_\_\_  
ZIP: \_\_\_\_\_

S6 How does this person normally get to school? IF NEEDED: THAT IS, THE ONE USED FOR MOST OF THE DISTANCE. SKIP IF S5=1

- 1 WALK
- 2 BIKE
- 3 AUTO / VAN/ TRUCK DRIVER (AGE 16+ ONLY)
- 4 AUTO / VAN / TRUCK PASSENGER
- 5 TRANSIT BUS
- 6 TAXI/ SHUTTLE
- 7 SCHOOL BUS
- 97 OTHER (SPECIFY)
- 98 DON'T KNOW
- 99 REFUSED

HOUSEHOLD ROSTER PART 2

**IF EVERYONE IN THE HHL D IS NOT RELATED, CODE AS NON-RELATED HHL D. YOU WILL NEED TO ASK PERSONAL INCOME OF THE RESPONDENT IF THAT IS THE CASE.**

H15 And because your household is comprised of all non-related people, can you tell me if your personal income for 2005 was above or below \$35,000? INTERVIEWER NOTE: NON-RELATED HOUSEHOLDS HAVE DIFFERENT TRAVEL PATTERNS THEN HH THAT ARE RELATED. WE NEED TO KNOW PERSONAL INCOME BECAUSE INCOME IS AN IMPORTANT DETERMINANT OF TRAVEL BEHAVIOR

H15a [IF BELOW \$35,000] Is it above or below \$15,000?

If below \$15,000, INCOME=1

[IF AT OR ABOVE \$15,000] Is it above or below \$25,000?

\$15,000 - < \$25,000, INCOME=2

\$25,000 - < \$35,000, INCOME=3

H15b [IF \$35,000 OR ABOVE] Is it above or below \$50,000?

[IF BELOW \$50,000, INCOME=4]

[IF \$50,000 OR ABOVE] Is it above or below \$75,000?

if \$50,000 to < \$75,000, INCOME=5

if \$75k or greater, Is it above or below \$100,000?

If \$75k to <\$100k, INCOME=6

If \$100k+, INCOME=7

IF REFUSED: I appreciate your concerns about providing this information, but I only need to properly identify your household as belonging to one of the following categories: READ INCOME LIST

- 1 \$0 - \$14,999
- 2 \$15,000 - \$24,999
- 3 \$25,000 - \$34,999
- 4 \$35,000 - \$49,999
- 5 \$50,000 to \$74,999
- 6 \$75,000 to \$99,999
- 7 \$100,000 or more
- 9 REFUSED

- D1 Understanding your household's travel is very important for improving transportation in your area. We would like to send you a log for each member of your household to keep track of your travel for just one day [DAY AND DATE]. Is this okay?  
1 Yes  
2 No – Well, lets try a different time. How about [ALT DAY AND DATE].  
ENTER ASSIGNMENT NUMBER

\*If there are any students of any age in the HHld, need to screen that assigned travel day will be a typical school day for the student.

\*\*If interview is in Spanish, in what language would they like to receive the materials?

- D2 To whom should we address the envelope?

FIRST NAME LAST NAME

9 REFUSED --> INDICATE THAT INFORMATION IS NECESSARY, IF STILL REFUSE, TERMINATE

- D3 In order to mail the logs to you, I need your address. [IF LISTED SAMPLE, CONFIRM ADDRESS, IF UNLISTED: OBTAIN \*\*PHYSICAL ADDRESS. NO P.O. BOXES ALLOWED\*\*

- D4 Is this also your mailing address? IF NOT, OBTAIN MAILING ADDRESS

- D5 We will mail the logs to you in a few days and will call you again on [REMIND DATE] to make sure you have received the packet and to answer any questions. Then we will call to ask about your travel on [BEGDATE]. When would be the best time to reach you?  
OBTAIN DAY AND TIME

- D6 And should we call you at this telephone number or is there a different phone number where you would prefer to be called?  
1 This number  
2 Different number \_\_\_ - \_\_\_ - \_\_\_\_\_

- D7 When we call back to collect your diary information, we will not ask to speak to anyone under 16 years old, but we would like to ask about their travel. Who would be the best person to give that information?  
ENTER PERSON NUMBER.

CONCLUSION
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Thank you for participating in the Greater Triangle Travel Survey. Please tell the other members of your household how important their participation is for the success of the study. We look forward to talking with you again. If you have any questions or comments, you can reach us at 1-877-261-4621. Thank you and have a good day/night.



# APPENDIX C: RECRUITMENT RESULTS

Greater Triangle Household Travel Survey  
Recruitment Interview, Version 7

SCREENER QUESTIONS – ASKED OF EVERYONE

S1 First, I'd like to confirm you're eligible for our study. Do you live in [COUNTY] county?  
S2 IF NO TO S1: In what county do you live?

	PERCENT
	3.4%
	18.2%
	3.8%
	3.7%
	3.2%
	6.8%
	2.6%
	1.2%
	11.1%
	3.1%
	4.1%
	38.9%
	100%

S3 Does anyone in your household use transit on a typical weekday (AT LEAST ONCE A WEEK)?

TRANSIT USER	FREQUENCY	PERCENT
YES	540	10.6%
NO	4567	89.4%
Total	5107	100.0%

S4 Does anyone in your household walk or ride a bike to work or school on a typical weekday (AT LEAST ONCE A WEEK)?

WALK OR BIKE	FREQUENCY	PERCENT
YES	399	7.8%
NO	4,708	92.2%
Total	5,107	100.0%

V1 How many vehicles are owned, leased, or available for regular use by the people who currently live in your household? Please be sure to include motorcycles, mopeds, and RVs. MEAN = 2.01

HH VEHICLES	FREQUENCY	PERCENT
0	184	3.6
1	1355	26.5
2	2327	45.6
3 +	1241	24.4
Total	5107	100

	HH VEHICLES		
COUNTY OF RESIDENCE	COUNT	MEAN	SE OF MEAN
Chatham County	172	2.27	0.09
Durham County	927	1.76	0.03
Franklin County	192	2.29	0.08
Granville County	187	2.27	0.08
Harnett County	164	2.12	0.08
Johnston County	346	2.17	0.06
Lee County	134	1.91	0.10
Nash County	61	2.36	0.15
Orange County	565	1.89	0.04
Person County	160	2.45	0.10
Vance County	211	2.01	0.08
Wake County	1988	2.00	0.02

H1. How many people, including yourself, live in your home? MEAN = 2.34

HH SIZE	FREQUENCY	PERCENT
1	1320	25.8
2	1723	33.7
3	899	17.6
4	851	16.7
5	224	4.4
6	66	1.3
7	20	0.4
8	5	0.1
Total	5107	100

	HH SIZE		
COUNTY OF RESIDENCE	COUNT	MEAN	SE OF MEAN
Chatham County	184	2.53	0.09
Durham County	829	2.28	0.04
Franklin County	166	2.59	0.1
Granville County	155	2.72	0.12
Harnett County	171	2.39	0.1
Johnston County	434	2.45	0.06
Lee County	172	2.2	0.09
Nash County	34	2.82	0.25
Orange County	427	2.34	0.06
Person County	131	2.51	0.1
Vance County	151	2.21	0.1
Wake County	2253	2.55	0.03

S5 And do you or anyone in your household attend a college or university in the region on a typical weekday at least one day a week?

	PERCENT
	11.8%
	88.2%
	100.0%

S6 How often do you and others in your household seek information about traffic and general travel conditions in the region?

	PERCENT
	49.4%
	9.9%
	8.6%
	32.2%
	100.0%

S7 Where do you go to get this information? (MULTIPLE RESPONSE)

INFORMATION SOURCE	FREQUENCY	PERCENT
Internet	607	15.7%
Radio	1245	32.2%
Television	1756	45.4%
Variable Message Signs	153	4.0%
Traveler Information Radio	52	1.3%
Information Hotline (511)	20	0.5%
Other	39	1.0%
Total	3872	100%

\* Percentages based on number of responses. N=3,872

S8 Have you ever changed your travel plans based on the information you got?

CHANGED TRAVEL PLANS	FREQUENCY	PERCENT
YES	2025	78.4%
NO	559	21.6%
Total	2584	100%

S8aIf YES: How? (MULTIPLE RESPONSE)

HOW CHANGED TRAVEL	FREQUENCY	PERCENT
Changed route of Travel	1770	64.4%
Changed trip started	636	23.1%
Changed mode of travel	92	3.3%
Cancelled trip	250	9.1%
Total	2748	100%

\* Percentages based on number of responses. N=2,748

VEHICLE ROSTER - ZERO VEHICLE HOUSEHOLDS SKIP TO H1a

VEHICLE MAKE	FREQUENCY	PERCENT
ACURA	128	1.2%
AUDI	28	0.3%
BMW	148	1.4%
BUICK	345	3.4%
CADILLAC	144	1.4%
CHEVROLET	1260	12.3%
CHRYSLER	273	2.7%
DODGE	545	5.3%
FORD	1686	16.5%
GEO	32	0.3%
GMC	167	1.6%
HARLEY DAVIDSON	30	0.3%
HONDA	1019	9.9%
HYUNDAI	54	0.5%
INFINITI	40	0.4%
ISUZU	54	0.5%
JAGUAR	16	0.2%
JEEP	271	2.6%
KAWASAKI	15	0.1%
KIA	40	0.4%
LAND ROVER	8	0.1%
LEXUS	136	1.3%
LINCOLN	94	0.9%
MAZDA	258	2.5%
MERCEDES-BENZ	122	1.2%
MERCURY	142	1.4%
MITSUBISHI	83	0.8%
NISSAN	404	3.9%
OLDSMOBILE	160	1.6%
PLYMOUTH	86	0.8%

PONTIAC	201	2.0%
PORSCHE	13	0.1%
SAAB	32	0.3%
SATURN	219	2.1%
SUBARU	145	1.4%
SUZUKI	37	0.4%
TOYOTA	1257	12.3%
VOLKSWAGEN	212	2.1%
VOLVO	161	1.6%
YAMAHA	10	0.1%
DON'T KNOW/REFUSED	68	0.7%
OTHER	102	1.0%
Total	10245	100%

VEHICLE YEAR	FREQUENCY	PERCENT
Pre-1990	881	8.6%
1990-1994	1293	12.6%
1995-1999	2968	29.0%
2000-2004	3885	37.9%
2005	768	7.5%
2006	250	2.4%
Don't Know/Refused	200	2.0%
Total	10245	100%

V5 What is the fuel type?

FUEL TYPE	FREQUENCY	PERCENT
Gas	10058	98.2%
Diesel	148	1.4%
Other	39	0.3%
Total	10,245	100%

V6 And is this a/an?

BODY TYPE	FREQUENCY	PERCENT
Car or station wagon	5821	56.8%
Van (any type)	933	9.1%
SUV	1541	15.0%
Pick-up truck	1715	16.7%
Other kind of truck	29	0.3%
RV	18	0.2%
Motorcycle	119	1.2%
Other	27	0.3%
Refused	42	0.4%
Total	10245	100%



HOUSEHOLD ROSTER (PART 1)

H1a How many bicycles does your household own and use on a regular basis?

BIKES	FREQUENCY	PERCENT
0	3431	67.2%
1	671	13.1%
2	563	11%
3	223	4.4%
4	149	2.9%
5	39	0.8%
6	16	0.3%
7	6	0.1%
8	9	0.2%
Total	5107	100%

H2 Besides vehicles and bicycles, there are other factors that influence how and when your household travels. So I will need to ask you a few questions about your household. Which best describes your home?

RESIDENCE TYPE	FREQUENCY	PERCENT
1-family detached	4029	78.9%
1-family attached	374	7.3%
Mobile home	183	3.6%
Apartment/condo	511	10%
Other	10	0.2%
Total	5107	100%

H3 Is this home:

OWNERSHIP	FREQUENCY	PERCENT
Own	4230	82.8%
Rent	842	16.5%
Occupy without payment	30	0.6%
Refused	5	0.1%
Total	5107	100%

H4 How long have you lived at this location?

TIME AT THIS ADDRESS	FREQUENCY	PERCENT
< 1 year	432	8.5%
1 to < 2 yrs	414	8.1%
2 - < 5 yrs	1032	20.2%
5 - < 10 yrs	1039	20.3%
10+ years	2189	42.9%
Total	5106	100%

H6 When you moved to this current home, what factors did you consider when selecting this location?

TIME AT THIS ADDRESS	FREQUENCY	PERCENT
Job location / length of commute	2,315	22.6%
Access to transit	469	4.6%
Quality of school district	1,378	13.5%
Crime level/neighborhood safety	1,624	15.9%
Neighborhood appearance or other amenities	2,649	25.9%
Other	1,767	17.3%
Refused	38	0.4%
Total	10,240	100.0%

Percentages based on number of responses. N= 10,240

H7 How many telephone numbers does your household have? This includes only land-lines or those hard wired to your house but excludes cellular phones. MEAN = 1.17

NUMBER OF TELEPHONES	FREQUENCY	PERCENT
1	4445	87%
2	522	10.2%
3	104	2%
4	24	0.5%
5	7	0.1%
6	3	0.1%
7	2	0%
Total	5107	100%

H8 And how many cellular telephone numbers do members of your household have? MEAN = 1.47

NUMBER OF CELL PHONES	FREQUENCY	PERCENT
0	914	17.9%
1	1706	33.4%
2	1873	36.7%
3	434	8.5%
4	150	2.9%
5	26	0.5%
6	3	0.1%
7	1	0%
Total	5107	100%

H9 [IF H7>1] How many of these hard-wired telephone numbers, if any, are dedicated to a FAX machine or modem? MEAN=0.61

FAX LINES	FREQUENCY	PERCENT
0	284	42.9%
1	357	53.9%
2	19	2.9%
3	2	0.3%
Total	662	100%

H10 In the past 12 months, have there been times, even for a few days, when you did not have phone service at your home?

NO PHONE SERVICE	FREQUENCY	PERCENT
YES	677	13.3%
NO	4430	86.7%
Total	5107	100%

H11 How long were you without a phone service?

DURATION - NO PHONE SERVICE	FREQUENCY	PERCENT
Less than 2 weeks	622	91.9%
2 weeks to less than 1 month	26	3.8%
1 month to less than 3 months	15	2.2%
3 months to less than 6 months	6	0.9%
6 months to less than 1 year	8	1.2%
Total	677	100%

H14 And to ensure your household properly represents others in the region, can you tell me if your total household income for 2005 was above or below \$35,000?

HH INCOME	FREQUENCY	PERCENT
< \$15,000	314	6.1%
\$15,000 - <\$25,000	370	7.2%
\$25,000 - <\$35,000	406	7.9%
\$35,000 - <\$50,000	743	14.5%
\$50,000 - <\$75,000	1000	19.6%
\$75,000 - <\$100,000	785	15.4%
\$100,000 +	1204	23.6%
Refused	285	5.6%
Total	5107	100%

PERSON ROSTER

P1 [DON'T ASK FOR RESPONDENT] How is this person related to you?

RELATIONSHIP	FREQUENCY	PERCENT
Self	5107	42.7%
Spouse	3269	27.3%
Child	3015	25.2%
Parent	159	1.3%
Grandparent	15	0.1%
Grandchild	84	0.7%
Other Relative	166	1.4%
Other Non-Related	127	1.1%
Refused	11	0.1%
Total	11953	100%

P2 What is this person's gender? [RECORD BY OBSERVATION FOR RESPONDENT]

GENDER	FREQUENCY	PERCENT
Male	5654	47.3%
Female	6249	52.3%
Refused	50	0.4%
Total	11953	100%

P3 What is this person's age?

AGE	FREQUENCY	PERCENT
Under 20	2805	23.5%
20 - 24	299	2.5%
25 - 54	5121	42.8%
55 - 64	1783	14.9%
65 +	1691	14.1%
Refused	254	2.1%
Total	11,953	100%

P4 Are you Hispanic, Latino, or Spanish? [ASK FOR REFERENCE PERSON ONLY]

HISPANIC ORIGIN	FREQUENCY	PERCENT
Yes	154	3%
No	4948	96.9%
Refused	5	0.1%
Total	5107	100%

P5 I'm going to read a list of race categories. Please chose one or more races you consider yourself to be:  
[ASK FOR REFERENCE PERSON ONLY]

RACE	FREQUENCY	PERCENT
White	4161	81.5%
African American	628	12.3%
Asian	87	1.7%
American Indian	18	0.4%
Asian Pacific Islander	2	0%
MULTIRACIAL	34	0.7%
HISPANIC	97	1.9%
OTHER	34	0.7%
REFUSED	46	0.9%
Total	5107	100%

P5a Does NAME have any type of disability that makes it difficult to travel outside the home?

DISABLED	FREQUENCY	PERCENT
Yes	726	6.1%
No	11215	93.8%
Refused	12	0.1%
Total	11953	100%

P5b IF YES: What type of disability is that?

DISABILITY TYPE	FREQUENCY	PERCENT
BLIND	52	7.2%
TRANSFERABLE WHEELCHAIR	31	4.3%
NONTRANSFERABLE WHEELCHAIR	15	2.1%
DEAF	4	0.6%
MENTALLY DISABLED	29	4%
CANE/WALKER	85	11.7%
OTHER	487	67.1%
DON'T KNOW	7	1%
REFUSED	16	2.2%
Total	726	100%

PROGRAMMER NOTE: IF UNDER AGE 16, SKIP TO P10

P6 Does NAME have a valid driver's license?

LICENSED DRIVER	FREQUENCY	PERCENT
Yes	8847	92.8%
No	684	7.2%
Refused	6	0.1%
Total	9537	100%

P7 Are you employed, either full-time or part-time?

EMPLOYED	FREQUENCY	PERCENT
Full-Time	5237	54.9%
Part-Time	1042	10.9%
Not Employed	3258	34.2%
Refused	1	0%
Total	9538	100%

P8 [IF P7>2] Does NAME do any type of volunteer work on a regular basis?

VOLUNTEER	FREQUENCY	PERCENT
Yes (treat as employed)	461	14.1%
No	2795	85.8%
Refused	2	0.1%
Total	3258	100%

Summary Variable:

DOES THIS PERSON WORK?	FREQUENCY	PERCENT
YES (EMPLY <3 OR VOLUN=1)	6740	70.7%
NO	2798	29.3%
Total	9538	100%

P9 [IF P7>2 AND P8>1] Which of the following best describes NAME's status?

STATUS	FREQUENCY	PERCENT
Retired	1527	54.5%
Disabled	255	9.1%
Homemaker	414	14.8%
Unemployed but looking for work	131	4.7%
Unemployed and not looking for work	43	1.5%
Student	395	14.1%
OTHER	24	0.9%
Don't Know/Refused	11	0.4%
Total	2798	100%

P10 [AGE>4] In the last week, how many trips has this person made:

- a. by biking (excluding exercise) N=11,237, MEAN=0.18 +/- 1.151
- b. by walking (excluding exercise) N=11,237, MEAN=0.77 +/- 2.468

P11 [AGE 16+] Has this person used public transit?

DOES THIS PERSON (AGE 16+) TAKE TRANSIT AT LEAST ONCE A WEEK?	FREQUENCY	VALID PERCENT
Yes	795	8.3%
No	8726	91.5%
Refused	16	0.2%
Total	9537	100.0%

WORK-RELATED DATA - AGE 16 AND OLDER AND P7<3 OR P8=1 (REST SKIP TO SCHOOL SECTION)

W0 How many jobs does NAME have? Please include all paid and volunteer positions that he/she works on a regular basis. MEAN=1.20 jobs

NUMBER OF JOBS	FREQUENCY	PERCENT
1	5721	84.9%
2	751	11.1%
3	187	2.8%
4	50	0.7%
5	31	0.5%
Total	6740	100%

W1 I am going to read some occupational categories. Please tell me which one best describes the type of work/volunteer activity this person does: DO NOT FORCE A CATEGORY – IF THE RESPONDENT DOESN'T KNOW, SELECT "OTHER" AND TYPE IN VERBATIM WHAT THEY SAY.

Would you say it was ... ROTATE

Management .....	8.7%
Technical or Professional.....	21.0%
Legal, Social Service or Health Care .....	12.8%
Education or the Arts.....	15.5%
Administrative/Clerical.....	10.9%
Sales and related occupations.....	7.8%
Service .....	0.5%
Industrial / Construction / Agricultural / Transportation.....	7.3%
Armed Forces.....	7.5%
OTHER – SPECIFY .....	6.8%
DON'T KNOW .....	0.7%
REFUSED .....	0.5%

IF MANAGEMENT ASK: Would that be?

Management, .....	57.8%
Farmers and Farm Managers, or .....	0.3%
Business and Financial Operations Specialists? .....	30.3%
OTHER SPECIFY .....	11.6%

IF TECHNICAL OR PROFESSIONAL, ASK: Would that be?

Computer and mathematical sciences.....	35.5%
Architecture or Engineering .....	17.0%
Life, Physical, Social Scientist? .....	16.2%
OTHER SPECIFY .....	26.9%
DON'T KNOW .....	4.4%

IF LEGAL, SOCIAL SERVICE, HEALTH CARE ASK: Is that?

Lawyer, Paralegal, .....	11.7%
Community and social service provider .....	11.0%
Health Care Practitioners & Professional Support .....	46.5%
Healthcare Support Operations, non-professional?.....	16.4%
OTHER SPECIFY .....	11.6%
DON'T KNOW .....	2.6%

IF EDUCATION OR THE ARTS ASK: Is that?

Education, Technical Training, Librarian .....	81.3%
Arts, Design, Entertainment, Sports, Media.....	6.1%
OTHER SPECIFY .....	11.9%
DON'T KNOW .....	0.7%

IF SERVICE ASK - Is that?

Healthcare Support Operations, non-professional.....	3.9%
Protective Services .....	4.2%
Food Preparation Services .....	19.0%
Building and Grounds Maintenance.....	6.0%
Personal Care and Services .....	15.2%
Installation, Maintenance and Repair.....	8.0%
OTHER SPECIFY .....	29.2%
DON'T KNOW .....	14.3%

IF INDUSTRIAL / CONSTRUCTION / AGRICULTURE/ TRANSPORTATION ASK: Is that?

Farming, Fishing, Forestry (no as owner/manager).....	6.2%
Construction and Excavation .....	27.2%
Installation, Maintenance, and Repair .....	10.4%
Production / Assembly Line .....	14.9%
Transportation and Material Moving .....	18.0%
97 OTHER SPECIFY.....	20.6%
98 DON'T KNOW .....	2.7%

W3 At what location does this person normally [work/volunteer]?

HOME .....	8.5%
ADDRESS GIVEN – ENTER BELOW .....	88.2%
VARIES .....	3.3%

W7 How does this person normally get to work/their volunteer activity? SKIP IF W3=1

Walk .....	2.5%
Bike .....	0.8%
Auto / Van/ Truck Driver.....	90.1%
Auto / Van / Truck Passenger .....	3.7%
Transit bus .....	1.9%
Taxi/ Shuttle .....	0.1%
OTHER (specify) .....	0.7%
DON'T KNOW .....	0.0%
REFUSED .....	0.1%

W8 Does NAME's job require you/him/her to have you/his/her personal vehicle available while at work?

YES .....	35.5%
NO .....	64.3%
DK/RF .....	0.3%

W9 Does NAME's employer allow him/her to work from home for pay on a regular basis? This would be in place of driving to a regular work location, something that is commonly referred to as "telework." SKIP IF W3=1

YES .....	18.8%
NO .....	80.7%
Don't know .....	0.4%
REFUSED .....	0.1%

W10 Does he/she have fixed work hours, where he/she is required to arrive a work at a specific time every day?

YES .....	56.2%
NO .....	42.7%
DK/RF .....	1.1%

W12 How long has he/she worked at this location?

Less than 1 year.....	14.7%
At least 1 year but less than 2 years .....	10.3%
At least 2 years but less than 5 years .....	23.9%
At least 5 years but less than 10 years.....	20.2%
10 or more years .....	29.1%
REFUSED .....	1.7%



W14 In selecting this job, which factors were most important to you? (MULTIPLE RESPONSE)

Wage or Salary .....	22.5%
Career Opportunity.....	28.6%
Job location / length of commute .....	15.8%
Access to transit .....	1.8%
Location of child's school .....	3.0%
Crime level / neighborhood safety at new work location....	3.9%
Work location appearance or other amenities .....	8.0%
Other (specify).....	13.6%
Refused.....	2.8%

SCHOOL-RELATED DATA – ASK OF ALL HH MEMBERS

S1 What is the highest degree or level of school this person has completed?

EDUCATION ATTAINED	FREQUENCY	PERCENT
< HS	3234	27.1%
High School graduate	1725	14.4%
Some college	1153	9.6%
Associate or technical school degree	862	7.2%
Bachelor	2648	22.2%
Graduate	2269	19.0%
Other	62	0.5%
Total	11953	100%

S2 Is this person currently enrolled in any type of school, including [if age<6 daycare], technical school, or university? IF AGE 18+, FOLLOW UP WITH: IS THAT FULL-TIME OR PART-TIME?

Yes – FULL TIME.....	22.4%
YES – PART TIME.....	3.0%
No – GO TO NEXT SECTION .....	74.6%

S3 What school grade or level does this person attend?

LEVEL OF SCHOOL	FREQUENCY	PERCENT
Daycare	195	6.4%
pre-school	203	6.7%
K-8	1383	45.6%
9th - 12th	594	19.6%
Technical/Vocation School	57	1.9%
2 year college	167	5.5%
4-year college or university	177	5.8%
Graduate school/professional	232	7.6%
OTHER	19	0.6%
DK/RF	8	0.3%
Total	3035	100%

S5 Where is it located?

HOME .....	3.2%
Outside HOME .....	96.8%
Other .....	0.0%
DK/RF .....	0.0%

S6 How does this person normally get to school? SKIP IF S5=1

SCHOOL MODE	FREQUENCY	PERCENT
WALK	99	3.4%
BIKE	33	1.1%
AUTO / VAN/ TRUCK DRIVER (AGE 16+ ONLY)	804	27.4%
AUTO / VAN/ TRUCK PASSENGER	1186	40.4%
TRANSIT BUS	67	2.3%
TAXI/ SHUTTLE	8	0.3%
SCHOOL BUS	701	23.9%
OTHER (SPECIFY)	31	1.1%
DON'T KNOW	5	0.2%
REFUSED	4	0.1%
Total	2938	100%

HOUSEHOLD ROSTER PART 2

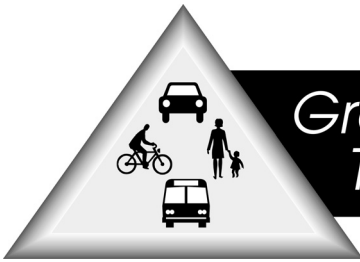
IF EVERYONE IN THE HHL D IS NOT RELATED, CODE AS NON-RELATED HHL D. YOU WILL NEED TO ASK PERSONAL INCOME OF THE RESPONDENT IF THAT IS THE CASE.

PERSONAL INCOME	FREQUENCY	PERCENT
< \$15,000	11	20.2%
\$15,000 - \$24,999	14	25.5%
\$25,000 - \$34,999	10	17.6%
\$35,000 - \$49,999	9	15.4%
\$50,000 to \$74,999	7	12%
\$75,000 to \$99,999	2	4%
\$100,000 or more	3	5.4%
Total	57	100%



# APPENDIX D: TRAVEL PACKET MATERIALS

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# Greater Triangle Travel Survey

## Survey conducted by NuStats on behalf of:

North Carolina  
Department of Transportation  
(NCDOT)

Capital Area  
Metropolitan Planning Organization  
(CAMPO)

Durham-Chapel Hill-Carrboro  
Metropolitan Planning Organization  
(DCHC MPO)

Triangle Transit Authority (TTA)

and

## The Regional Planning Agencies for the following counties:

Chatham, Durham, Franklin,  
Granville, Harnett, Johnston,  
Lee, Nash, Orange, Person,  
Vance, and Wake

and the

Triangle Regional Model  
Service Bureau  
North Carolina State University

Centennial Campus  
Box 8601  
Raleigh, NC 27695  
(919) 515-8899  
[www.itre.ncsu.edu/TRM/](http://www.itre.ncsu.edu/TRM/)

John Smith  
1234 Main Street  
Raleigh, NC 27695

DATE

Dear John,

Thank you for participating in the **Greater Triangle Travel Survey!**

**Your assigned travel day is:**  
<<assigned day>>

What are we asking of you?

- **First, record your travel for 24 hours.** This package contains personalized travel logs. Your family should use the logs to record all the places they visit, or stops they make, whether it's around town or out of town, on <<assigned day>>. Please ensure that all persons age 12 and older fill out the travel logs completely and accurately. Parents should fill out the logs of children under age 12.
- **Last, provide your travel information in a follow-up phone call.** An interviewer from NuStats/ DataSource will call after <<assigned day>> to collect the information from each person's travel log. The interviewer must speak directly with each person age 16 and older. Use the logs to record exactly where you travel, and this interview will be quick!

Remember, all information will be held in strict confidence. If you have questions about anything related to this survey, please contact Stacey Bricka of NuStats by phone (toll-free) at 1-800-447-8287 or email [sbricka@nustats.com](mailto:sbricka@nustats.com).

Thank you – your help with this important survey will make a difference!

Leta Huntsinger, Program Manager  
TRM

### To begin your Log:

1. **Read the Instructions / Example sheet first.** Use it to help you correctly fill out your travel log.
2. **Record each place you go, when you arrived, how you got there, what you did there, and what time you left.** Your travel day begins at 3 a.m. (or when you wake up). Carry your log with you during your travel day - this will help you remember to record ALL your trips and the EXACT times. *Be sure to refer back to the Instructions and Example sheet as needed.*
3. **Remember to record all trips, not just driving trips.** This includes short walks, quick stops like for fuel, coffee and other personal errands, and loop trips that begin and end at the same place (e.g., walking the dog, biking, jogging).



# *Top 5*


## **Reasons to Participate:**


1. Improving mobility, air quality, and quality of life are important to our community.
2. Everybody needs transportation access to perform daily activities.
3. Sound transportation planning requires reliable information.
4. Making the right transportation improvements is extremely important to the health of our local economy.
5. Your participation will provide a solid foundation for this region's transportation future.

**STOP REMEMBER TO RECORD . . .**

- ✓ Each STOP you make, even:
  - Bus stops or transit centers where you transfer or get on/off.
  - Quick stops to get food, fuel, or cash from an ATM.
  - Stops where you don't have to get out of your car.
  
- ✓ All TRIPS you make even those:
  - You make while at work (*going out to lunch, to a meeting or running an errand, etc.*).
  - After 6pm or after work.
  
- ✓ Exact place names and complete addresses.
  
- ✓ Accurate arrival and departure times.

**WHAT DO I DO WITH MY COMPLETED LOGS?**

 **Keep your completed logs by the phone** – We will call you to collect the information. Or, you can call our toll-free survey hotline (**877-261-4621**) to provide your information.

 **Mail** – After we collect your information by phone, return your completed logs in the postage-paid envelope provided in your packet.

**For assistance, call NuStats toll free at 877-261-4621**

**← LISTS 1 & 2 are inside flap**

**THANK YOU FOR YOUR PARTICIPATION!**

If you need help filling out your Travel Log, please call toll free at:

**877-261-4621**

For more information about the survey, please call:

Stacey Bricka, NuStats  
**800-447-8287, ext. 2240**  
[sbricka@nustats.com](mailto:sbricka@nustats.com)

or

Leta Huntsinger, NCSU  
**919-513-7378**  
[leta\\_huntsinger@ncsu.edu](mailto:leta_huntsinger@ncsu.edu)

or

visit the project web page at  
[www.nustats.com/triangle](http://www.nustats.com/triangle)

**SURVEY CONDUCTED BY NUSTATS ON BEHALF OF:**

North Carolina Department of Transportation (NCDOT)  
Capital Area Metropolitan Planning Organization (CAMPO)  
Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC MPO)  
Triangle Transit Authority (TTA)

**AND THE**



Triangle Regional Model Service Bureau  
North Carolina State University



NuStats



**PERSONAL ONE-DAY TRAVEL LOG FOR:**

Record each PLACE you go to and WHAT you do there beginning at 3 a.m. (*or when you wake up*) on your assigned travel day and ending at 2:59 a.m. the following day (*or when you go to sleep on your travel day*).



Carry this log with you on your assigned travel day and record the places you visit and what you do there as you go - *this helps you remember to record all the places you visit, what you do there, and to provide exact arrival/departure times and complete addresses.*

**Follow the easy to use example inside! →**



**Record each PLACE you go, starting with your location at 3 a.m. on your travel day. Why 3 a.m.?** Most people are home asleep at 3 a.m. If so, check “Home,” record what you did there and then record the exact time you leave. If you are not at Home or Work, please provide the name and address.

- If your **WORK** involves driving (*bus, real estate, plumbing, EMS, etc.*), record trips made as part of your job as Code 4 - “Work-related.”
- If you travel by **PUBLIC TRANSIT**, record each transfer as a new place (*each transit stop or transit center where you get on or off*).
- If you travel to the **UNIVERSITY OF NORTH CAROLINA, NORTH CAROLINA STATE UNIVERSITY** or **DUKE UNIVERSITY**, for any reason, please record each building or department you visit on campus as a new place.

PLACE	What is the NAME OF THE PLACE?	What is the ADDRESS? <i>Address City, State Zip Nearest Cross street &amp; Landmark</i>	What TIME did you ARRIVE? <i>Record exact time</i>	NUMBER of people traveling with you? <i>Don't include self</i>	HOW did you GET there? <i>use LIST 1 CODES</i>	IF AUTO/TRUCK/VAN:			IF TRANSIT:	WHAT did you DO there? <i>use LIST 2 CODES</i>	What TIME did you LEAVE? <i>Record exact time</i>	PLACE
						Which household VEHICLE?	Where did you PARK?	COST of Parking	Was a PERSONAL VEHICLE available?			
PLACE 1	Your LOCATION at 3 a.m. <input type="checkbox"/> Home <input type="checkbox"/> Work <input type="checkbox"/> Other: ( <i>specify</i> ) _____										____ : ____ am/pm	PLACE 1
PLACE 2	Next PLACE NAME:		____ : ____ am/pm	Total #: ____ # of Household members: ____				\$ ____	<input type="checkbox"/> Yes <input type="checkbox"/> No		____ : ____ am/pm	PLACE 2
PLACE 3	Next PLACE NAME:		____ : ____ am/pm	Total #: ____ # of Household members: ____				\$ ____	<input type="checkbox"/> Yes <input type="checkbox"/> No		____ : ____ am/pm	PLACE 3
PLACE 4	Next PLACE NAME:		____ : ____ am/pm	Total #: ____ # of Household members: ____				\$ ____	<input type="checkbox"/> Yes <input type="checkbox"/> No		____ : ____ am/pm	PLACE 4
PLACE 5	Next PLACE NAME:		____ : ____ am/pm	Total #: ____ # of Household members: ____				\$ ____	<input type="checkbox"/> Yes <input type="checkbox"/> No		____ : ____ am/pm	PLACE 5
PLACE 6	Next PLACE NAME:		____ : ____ am/pm	Total #: ____ # of Household members: ____				\$ ____	<input type="checkbox"/> Yes <input type="checkbox"/> No		____ : ____ am/pm	PLACE 6
PLACE 7	Next PLACE NAME:		____ : ____ am/pm	Total #: ____ # of Household members: ____				\$ ____	<input type="checkbox"/> Yes <input type="checkbox"/> No		____ : ____ am/pm	PLACE 7
PLACE 8	Next PLACE NAME:		____ : ____ am/pm	Total #: ____ # of Household members: ____				\$ ____	<input type="checkbox"/> Yes <input type="checkbox"/> No		____ : ____ am/pm	PLACE 8

If you have more than eight PLACES on your travel day, please record the additional PLACES on a separate piece of paper.

**LIST 1 CODES: HOW did you GET there?**

**Auto/Truck/Van:**

- 1 Driver (*specify which household vehicle*)
- 2 Passenger (*specify which household vehicle*)

**Other Modes:**

- 3 Motorcycle
- 4 Public transit
- 5 School bus
- 6 Walk
- 7 Bicycle
- 8 Motorized Moped/Scooter
- 97 Other: (*write code 97 and how you got there*)

**LIST 2 CODES: WHAT did you DO there?**

**At-Home Activities:**

- 1 Working at home (*job related-for pay*)
- 2 At home activities: (*eating, TV, sleeping, housework, etc.*)

**Work/Work-Related:**

- 3 Work (*including regular volunteer work*)
- 4 Work-related (*meeting, errand, etc.*)
- 5 Pick-up or drop-off passenger at work

**School/School-Related:**

- 6 Attending school
- 7 School-related (*sports, extra-curricular*)
- 8 Pick-up or drop-off passenger at school

**Personal:**

- 9 Quick stop for: fuel, ATM, coffee, etc.
- 10 Shopping (*grocery, clothes, etc.*)
- 11 Visit friends or relatives
- 12 Personal business (*medical/dental, dry cleaning, errands, etc.*)

**Social/Entertainment:**

- 13 Eat meal outside of home (*restaurant, drive-through, take-out*)
- 14 Entertainment (*movie, concert, etc.*)
- 15 Recreation, fitness
- 16 Civic or religious activities

**Other:**

- 17 Pick-up or drop-off passenger at other location (*not work or school*)
- 18 Change mode of transportation (*board/deboard bus, park car & walk, etc.*)
- 19 Transfer between buses
- 97 Other (*write code 97 and specify activity*)

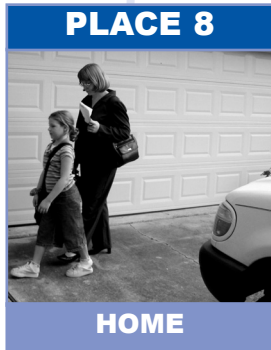
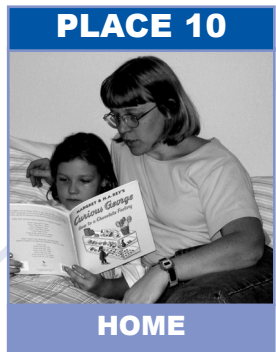
# Instructions & Example: Read this first

- 1 Begin your Log wherever you are at 3 a.m. on your Travel Day. Record every PLACE you go, even quick stops on the way to work/school, or after you get home, including walking the dog, biking, or jogging.
- 2 PLACE NAME and COMPLETE ADDRESS (including a cross street & landmark).
- 3 EXACT TIME you ARRIVE at each place.
- 4 Total NUMBER of people in your travel party and the number of those that are members of your household. (DO NOT INCLUDE YOURSELF)
- 5 Record the code from the **LIST 1 CODES** (located on the flap in Log) for "HOW did you GET there?"
- 6 If you traveled in a VEHICLE owned by your HOUSEHOLD, tell us the Make and Model.
- 7 Where you parked (parking lot, parking garage, street, etc.) and the amount you paid for parking (per hour, day, week or month, etc.).
- 8 If you rode Transit, record whether or not you could have used a PERSONAL VEHICLE instead of riding transit.
- 9 Record the code from the **LIST 2 CODES** (located on the flap in Log) for "WHAT did you DO there?"
- 10 EXACT TIME you LEAVE each place.

	1	2	3	4	5	6		7	8	9	10
	What is the NAME OF THE PLACE?	What is the ADDRESS? <i>Address City, State Zip Nearest Cross street &amp; Landmark</i>	What TIME did you ARRIVE? <i>Record exact time</i>	NUMBER of people traveling with you? <i>Don't include self</i>	HOW did you GET there? <i>use LIST 1 CODES</i>	IF AUTO/TRUCK/VAN:		IF TRANSIT:	WHAT did you DO there? <i>use LIST 2 CODES</i>	What TIME did you LEAVE? <i>Record exact time</i>	
	Which household VEHICLE?	Where did you PARK?	COST of parking	Was a PERSONAL VEHICLE available?							
PLACE 1 Your LOCATION at 3 a.m. <input checked="" type="checkbox"/> Home <input type="checkbox"/> Work <input type="checkbox"/> Other: _____	Home address was provided in first telephone interview.										7:11 am/pm
PLACE 2 Next PLACE NAME: Gas Station	Address City, State Zip Cross Street	7:16 am/pm	Total #: 1 # of Household members: 1	1	Honda Civic		\$ _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	9	7:21 am/pm	
PLACE 3 Next PLACE NAME: Elementary School	School address was provided in first telephone interview.	7:26 am/pm	Total #: 1 # of Household members: 1	1	Honda Civic		\$ _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	8	7:34 am/pm	
PLACE 4 Next PLACE NAME: My Work	Work address was provided in first telephone interview.	8:03 am/pm	Total #: 0 # of Household members: 0	1	Honda Civic	parking garage	\$50/month	<input type="checkbox"/> Yes <input type="checkbox"/> No	3	12:01 am/pm	
PLACE 5 Next PLACE NAME: Subway Restaurant	Address City, State Zip Cross Street	12:10 am/pm	Total #: 1 # of Household members: 0	6			\$ _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	13	12:52 am/pm	
PLACE 6 Next PLACE NAME: My Work	Work address was provided in first telephone interview.	1:01 am/pm	Total #: 1 # of Household members: 0	6			\$ _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	3	5:11 am/pm	
PLACE 7 Next PLACE NAME: Elementary School	School address was provided in first telephone interview.	5:39 am/pm	Total #: 0 # of Household members: 0	1	Honda Civic	parking lot	\$0	<input type="checkbox"/> Yes <input type="checkbox"/> No	8	5:43 am/pm	

Person would continue to record Places 8-10



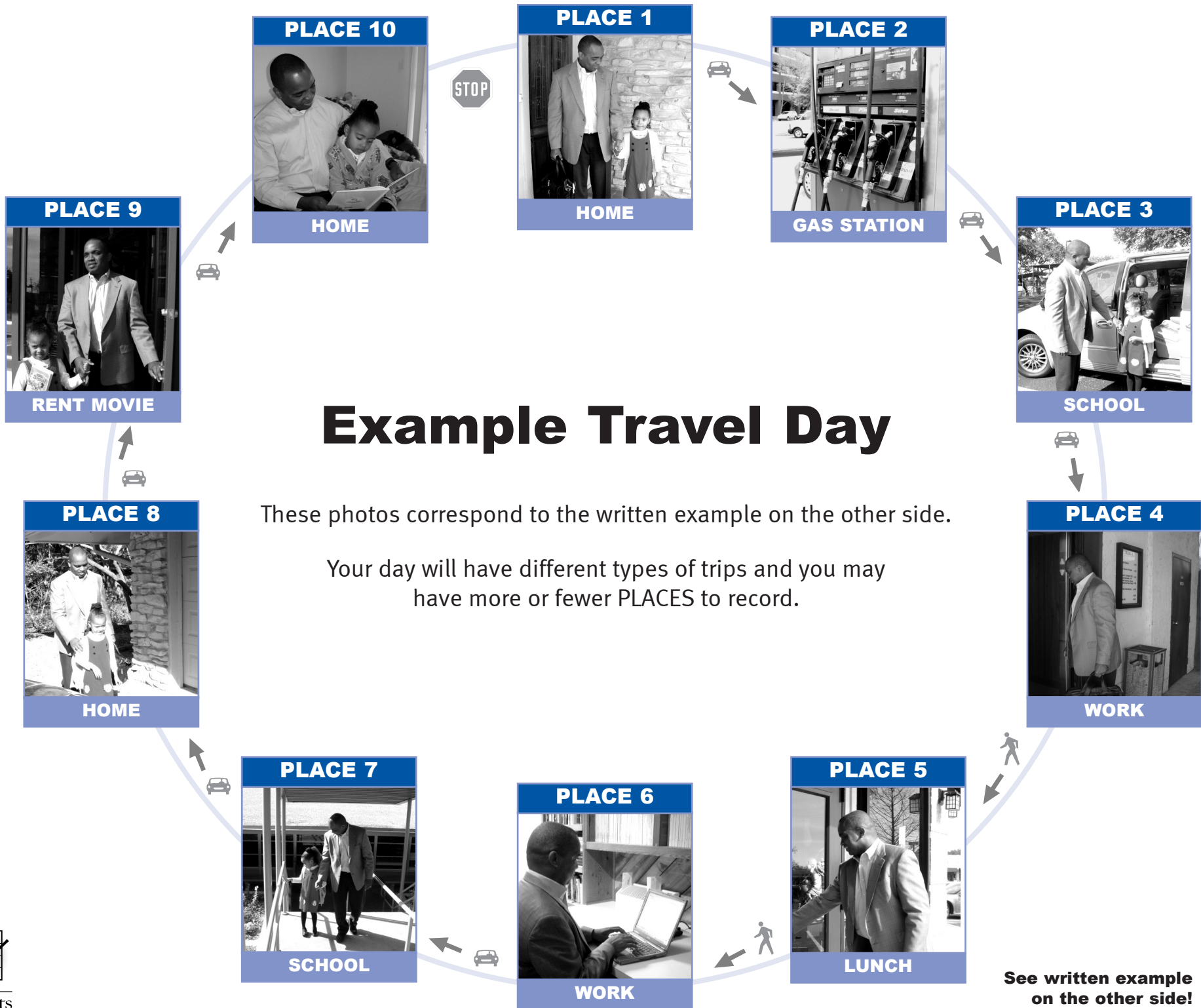


# Example Travel Day

These photos correspond to the written example on the other side.

Your day will have different types of trips and you may have more or fewer PLACES to record.

See written example on the other side! →



# Example Travel Day

These photos correspond to the written example on the other side.

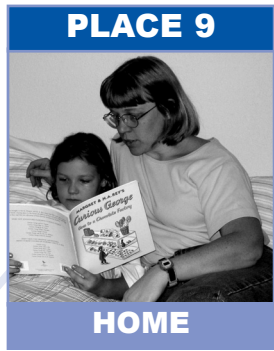
Your day will have different types of trips and you may have more or fewer PLACES to record.

See written example on the other side! →

- 1 Begin your Log wherever you are at 3 a.m. on your Travel Day. Record every PLACE you go, even quick stops on the way to work/school, or after you get home, including walking the dog, biking, or jogging.
- 2 PLACE NAME and COMPLETE ADDRESS (including a cross street & landmark).
- 3 EXACT TIME you ARRIVE at each place.
- 4 Total NUMBER of people in your travel party and the number of those that are members of your household. (DO NOT INCLUDE YOURSELF)
- 5 Record the code from the LIST 1 CODES (located on the flap in Log) for "HOW did you GET there?"
- 6 If you traveled in a VEHICLE owned by your HOUSEHOLD, tell us the Make and Model.
- 7 Where you parked (parking lot, parking garage, street, etc.) and the amount you paid for parking (per hour, day, week or month, etc.).
- 8 If you rode Transit, record whether or not you could have used a PERSONAL VEHICLE instead of riding transit.
- 9 Record the code from the LIST 2 CODES (located on the flap in Log) for "WHAT did you DO there?"
- 10 EXACT TIME you LEAVE each place.

	1	2	3	4	5	6		7	8	9	10
	What is the NAME OF THE PLACE?	What is the ADDRESS? <i>Address City, State Zip Nearest Cross street &amp; Landmark</i>	What TIME did you ARRIVE? <i>Record exact time</i>	NUMBER of people traveling with you? <i>Don't include self</i>	HOW did you GET there? <i>use LIST 1 CODES</i>	IF AUTO/TRUCK/VAN:		COST of parking	IF TRANSIT: Was a PERSONAL VEHICLE available?	WHAT did you DO there? <i>use LIST 2 CODES</i>	What TIME did you LEAVE? <i>Record exact time</i>
	Which household VEHICLE?	Where did you PARK?									
PLACE 1	Your LOCATION at 3 a.m. <input checked="" type="checkbox"/> Home <input type="checkbox"/> Work <input type="checkbox"/> Other: _____	Home address was provided in first telephone interview.									7:11 am/pm
PLACE 2	Next PLACE NAME: Bus Stop #1	City, State Zip Cross Street 1 & Cross Street 2	7:13 am/pm	Total #: 0 # of Household members: 0	6			\$ _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	18	7:18 am/pm
PLACE 3	Next PLACE NAME: Bus Stop #2	City, State Zip Cross Street 1 & Cross Street 2	7:56 am/pm	Total #: 0 # of Household members: 0	4			\$ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	18	7:57 am/pm
PLACE 4	Next PLACE NAME: My Work	Work address was provided in first telephone interview.	8:01 am/pm	Total #: 0 # of Household members: 0	6			\$ _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	3	12:01 am/pm
PLACE 5	Next PLACE NAME: Subway Restaurant	Address City, State Zip Cross Street	12:10 am/pm	Total #: 1 # of Household members: 0	6			\$ _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	13	12:52 am/pm
PLACE 6	Next PLACE NAME: My Work	Work address was provided in first telephone interview.	1:03 am/pm	Total #: 1 # of Household members: 0	6			\$ _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	3	5:11 am/pm
PLACE 7	Next PLACE NAME: Bus Stop #3	City, State Zip Cross Street 1 & Cross Street 2	5:15 am/pm	Total #: 0 # of Household members: 0	6			\$ _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	18	5:43 am/pm

Person would continue to record Places 8-10



# Example Travel Day for Transit Users

These photos correspond to the written example on the other side.

Your day will have different types of trips and you may have more or fewer PLACES to record.

See written example on the other side! →





# APPENDIX E: RETRIEVAL QUESTIONNAIRE

Greater Triangle Travel Survey  
Retrieval Questionnaire, version 6  
All Travel Days (Mon through Fri) for All Household Members

Note #1 for Interviewers: Travel information has to be collected for all HH members. A proxy is required for persons age 11 and under. We must attempt to speak directly to persons age 16 and older. However, a proxy for these individuals is acceptable beginning on the 4<sup>th</sup> day after the travel day. All data collection must be completed within 7 days of the original travel date or the household is rescheduled/replaced.

Note #2 for Interviewers: A HH is considered complete only if ALL HH members completed retrieval interviews for HH size<5 and N-1 complete for HH size 5+

Note #3 for Interviewers: If ALL members of the household are unrelated college students, a valid complete is all travel for the main respondent (who actually goes to college/univ class on the travel day AND as many of the other HH members as possible.

## INTRODUCTION

Hi – this is \_\_\_\_\_ and I’m calling about the Greater Triangle Travel Survey. We recently spoke with [informant] and are calling back now to complete the interview.

E1. [CONFIRM WHO YOU’RE SPEAKING WITH] You are [informant’s name or initials]. [INDICATE IF TRIP INFORMATION IS BEING PROVIDED BY THE INFORMANT OR BY PROXY.

INFORMANT           1 -----> IF INFORMANTS AGE IS GREATER THAN 10, GO TO E2, ELSE GO INTO AND RESCHEDULE FOR WHEN SOMEONE AGE 16+ WILL BE AVAILABLE.

PROXY                   2

E2. Last week, we spoke with you about the regional travel survey and sent you a log to record your travel and activities on [travel day]. I’d like to collect your information now.

First, demographic information (particularly household size, household member characteristics, and household vehicle info) is verified, along with the work and school addresses collected during recruitment.

### ASK ONLY MAIN RESPONDENT

C1 Can you tell me how many deliveries were made to your house on ASSN? This includes any commercial deliveries, including the mail, UPS, and FedEx, as well as for delivery or pickup of household items. [IF THEY SAY NONE, ASK IF THEY RECEIVED MAIL THAT DAY, AS MAIL IS CONSIDERED A COMMERCIAL DELIVERY]

C2 And did you have any service calls made to your house on ASSN, for any reason? If so, how many? [OKAY IF =0]

### IF NOT PROXY REPORT, ASK:

E3 In general, would you say that ASSN was a typical day for you? Yes/No – if no, why not?

E4 Was most of your travel for this day planned in advance or did you change your travel plans as the day progressed? IF CHANGED TRAVEL, what happened that caused the change in plans?

E5 [IF EMPLOYED] Was this a typical work day for you, in terms of the hours you worked, when you arrived at work, and when you left work? Yes/No – if no, why not?

E6 [IF STUDENT] Was this a typical school day for you, in terms of the hours you worked, when you arrived at work, and when you left work? Yes/No – if no, why not?

T1. Now I'd like to talk about the trips [this person] recorded in the travel log we sent. Did [NAME] complete the travel log? [ASK OF EVERYONE REGARDLESS OF PROXY STATUS]

- 1 YES [COMPLETED]
- 2 NO [NOT COMPLETED] -> GO TO T3
- 3 DID NOT RECEIVE MATERIALS -> GO TO T3
- 8 DON'T KNOW -> GO TO T3
- 9 REFUSED- -> GO TO T3

T2. [if T1=yes] Do you have [this person's] completed log with you now? [IF NEEDED: I can wait while you get it.]

- 1 YES
- 2 NO
- 9 REFUSED

----->SAY: Let's continue with the interview anyway. Please try to recall the information as best as you can.

T3 How many total places did<YOU >visit over the course of the travel day?

T4 IF PLACE 1: Okay, where were you at 3 am on [ASSN].

OTHERWISE: Where did you go next?

- 1 HOME
- 2 WORK
- 3 SCHOOL
- 4 Duke University – obtain building/department name for each place visited on campus!
- 5 Univ of North Carolina (UNC) – obtain building/department name for each place visited on campus!
- 6 North Carolina State University (NC State, NCSU) - obtain building/department name for each place visited on campus!
- 7 PREVIOUSLY ENTERED PLACE. IE MOM DROPS KIDS OFF AT SCHOOL. Still need building/department if on one of the 3 campuses.
- 8 NEW PLACE (IF OUT OF THE STUDY AREA, SELECT 99)
- 9 OUT OF THE TRAVEL STUDY AREA (outside the 12 county study area)

IF OUT OF AREA, OBTAIN CITY AND STATE  
IF NEW PLACE, OBTAIN

LOCATION NAME: Does the place have a name?

ADDR: what is the street address of that place?

CROSS STREET: What is the nearest cross street or cross streets to that place?

LANDMARK: What is the nearest major landmark?

BLDGDEPT: If on one of 3 target campus, what was the building name? (if unknown, get department or who they visited on campus)

**ASK If PLACE > 1- ELSE SKIP**

T5 Did you/NAME make any stops along your travel to [ptype] (this place), such as a quick errand, to stop for fuel, grab some food, or to pick up drop off a friend or family member?

- 1 Yes – Flag a counter variable ADDCHEK1 then take interviewer back to collect unreported trip info at the front of this roster.
- 2 No – CONTINUE COLLECTING CURRENT TRIP

**\*FOR ALL TRAVEL ON A COLLEGE/UNIV CAMPUS, TREAT EACH BUILDING AS A SEPARATE PLACE AND RECORD TRAVEL ON CAMPUS AS YOU DO TRAVEL OFF CAMPUS.**

T7. What time did you get there? MILITARY TIME

T8 TRIP DURATION CALCULATED

T9. How did you get there?

- 1 Driver-Auto/Van/Truck
- 2 Passenger-Auto/van/truck
- 3 Motorcycle
- 4 Public Bus
- 5 School Bus
- 6 Walk
- 7 Bicycle
- 8 Motorized Moped/Scooter
- 97 OTHER, SPECIFY
- 99 DK/RF – INVALID OPTION – NEED TO OBTAIN MODE FOR SURVEY TO BE VALID

FOR ALL TRIPS (REGARDLESS OF MODE), ASK

T10 How many others traveled with<YOU2 >? NOT INCLUDING THIS RESPONDENT

T11 [IF Q7 >1] Of these, how many were household members?

T12 [IF Q8>0] Who were the household members (enter PERNO)

T13 COMPUTE NON-HH MEMBERS

**IF AUTO:**

A1 Which vehicle did<YOU >use?

ENTER HH VEH NUMBER OR 99 FOR NON-HH VEHICLE

A2 Where did you park? [IF PLACE IS NOT HOME]

- 1 DIDN'T PARK
- 2 PARKING LOT
- 3 PARKING GARAGE
- 4 STREET
- 5 OTHER (SPECIFY)
- 8 DON'T KNOW
- 9 REFUSED

A3 [IF A2>1] How much did you pay to park?

Amount per unit (round amount to nearest whole dollar)



**IF TRANSIT:**

R1 How did you get to the bus?

- 1 Walked
- 2 Biked
- 3 Drove and parked –COLLECT PLACE NAME, CROSS STREETS, CITY – OR INDICATE IF EXACTLY AT BUS STOP
- 4 Was dropped off – COLLECT PLACE NAME, CROSS STREETS, CITY – OR INDICATE IF EXACTLY AT BUS STOP
- 5 Other (specify)

R2 [IF T1=1 OR 2] How far did you WALK/BIKE to get to the bus? ANY WAY OF ANSWERING IS FINE – JUST OBTAIN QUANTITY

- \_\_\_ blocks  
\_\_\_ miles  
\_\_\_ minutes  
Other (specify)

R3 Did you make any transfers? IF SO, RECORD NUMBER OF TRANSFERS? IF NONE, RECORD ZERO. FOR EACH TRANSFER, OBTAIN LOCATION OF TRANSFER

R4 Did you have an automobile available to you when you made this trip by bus?

- 1 YES
- 2 NO
- 9 REFUSED

T14. What was<YOUR >your main purpose for traveling there?

- 1 WORKING AT HOME (for pay)
- 2 AT HOME ACTIVITIES
- 3 WORK
- 4 WORK RELATED
- 5 DROP OFF/PICK-UP SOMEONE AT THEIR WORK
- 6 ATTENDING SCHOOL
- 7 SCHOOL-RELATED ACTIVITIES
- 8 DROP OFF/PICK-UP SOMEONE AT THEIR SCHOOL
- 9 QUICK STOP FOR GAS, COFFEE, ATM, ETC
- 10 SHOPPING
- 11 VISIT FRIENDS/RELATIVES
- 12 PERSONAL BUSINESS
- 13 EAT MEAL OUTSIDE OF HOME
- 14 ENTERTAINMENT
- 15 RECREATION/FITNESS
- 16 CIVIC/RELIGIOUS ACTIVITIES
- 17 PICK-UP OR DROP-OFF PASSENGER (NON-WORK/NON-SCHOOL)
- 18 CHANGE MODE OF TRAVEL
- 19 TRANSFER BETWEEN BUSES
- 97 OTHER, SPECIFY



T15. And what other activities did<YOU >do there?

- 1 WORKING AT HOME (for pay)
- 2 AT HOME ACTIVITIES
- 3 WORK
- 4 WORK RELATED
- 5 DROP OFF/PICK-UP SOMEONE AT THEIR WORK
- 6 ATTENDING SCHOOL
- 7 SCHOOL-RELATED ACTIVITIES
- 8 DROP OFF/PICK-UP SOMEONE AT THEIR SCHOOL
- 9 QUICK STOP FOR GAS, COFFEE, ATM, ETC
- 10 SHOPPING
- 11 VISIT FRIENDS/RELATIVES
- 12 PERSONAL BUSINESS
- 13 EAT MEAL OUTSIDE OF HOME
- 14 ENTERTAINMENT
- 15 RECREATION/FITNESS
- 16 CIVIC/RELIGIOUS ACTIVITIES
- 17 PICK-UP OR DROP-OFF PASSENGER (NON-WORK/NON-SCHOOL)
- 18 CHANGE MODE OF TRAVEL
- 19 TRANSFER BETWEEN BUSES
- 97 OTHER, SPECIFY

T16. IF LAST PLACE OF THE DAY, ENTER 0259 OTHERWISE: What time did<YOU >leave for the next place? ENTER IN MILITARY TIME

**ASK If DEP\_TIME = 259, ELSE SKIP**

- T17 Did you/NAME make any additional trips after you were settled in for the evening, such as to run a quick errand, grocery shopping, video rental, grab a bite to eat, or to pick up drop off another person?
- 1 Yes – Flag a counter variable ADDCHEK2 - GO BACK TO CHANGE DEPARTURE TIME AND COLLECT UNREPORTED TRIPS
  - 2 No – CONTINUE TO NEXT PERSON

**IF REPORTED NO TRAVEL**

T18. So,<YOU >made no trips, including for work or school?

TRUE: Why not?

FALSE OBTAIN TRAVEL

**AT END OF SURVEY, CHECK TO SEE IF ALL HH VEHICLES WERE USED, IF NOT:**

V1 Did anyone drive the [VEHICLE YEAR, MAKE, MODEL] on TRAVEL DAY?

- 1 YES
- 2 NO
- 9 REFUSED

V2 [IF V1=2] Why not?



# APPENDIX F: RETRIEVAL RESULTS

Greater Triangle Travel Survey  
 Retrieval Questionnaire, version 6  
 All Travel Days (Mon through Fri) for All Household Members

INTRODUCTION

DIARY USED	INTERVIEW STATUS		TOTAL
	IN-PERSON INTERVIEW	PROXY INTERVIEW	
Yes	49.6%	42.5%	92.1%
No	3.1%	4.8%	7.9%
Total	52.7%	47.3%	100.0%

**ASK ONLY MAIN RESPONDENT**

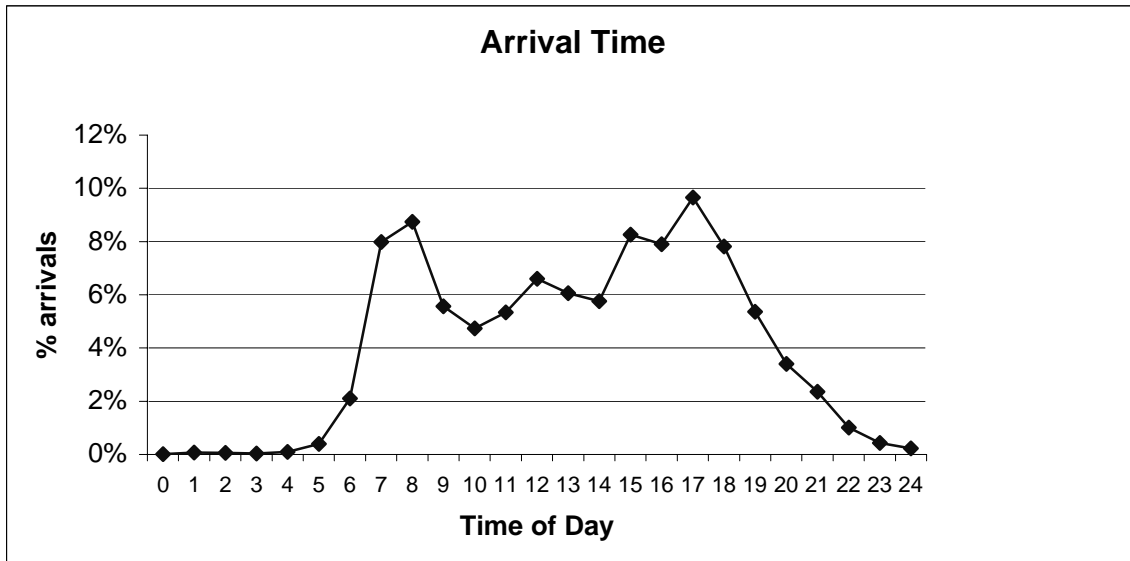
- C1 Can you tell me how many deliveries were made to your house on ASSN? This includes any commercial deliveries, including the mail, UPS, and FedEx, as well as for delivery or pickup of household items. N=4830, MEAN=0.91, +/- 0.01
  
- C2 And did you have any service calls made to your house on ASSN, for any reason? If so, how many? N=4820, MEAN=0.05, +/- 0.01

**IF NOT PROXY REPORT, ASK:**

- E3 In general, would you say that ASSN was a typical day for you?  
 Yes .....80.7%  
 No .....12.1%  
 Don't Know .....7.2%
  
- E4 Was most of your travel for this day planned in advance or did you change your travel plans as the day progressed? IF CHANGED TRAVEL, what happened that caused the change in plans?  
 Yes, planned in advance .....85.1%  
 No changes made .....7.6%  
 Don't Know .....7.3%
  
- E5 [IF EMPLOYED] Was this a typical work day for you, in terms of the hours you worked, when you arrived at work, and when you left work?  
 Yes .....84%  
 No .....16%  
 Don't Know .....1%
  
- E6 [IF STUDENT] Was this a typical school day for you, in terms of the hours you were at school, when you arrived at school, and when you left school?  
 Yes .....89%  
 No .....11%

Selected trip file variables:

T7. What time did you get there? MILITARY TIME



T8 TRIP DURATION CALCULATED

TRIP DURATION	FREQUENCY	PERCENT
< 5 min	4,181	8.4
5-9 min	10,174	20.4
10-14 min	10,131	20.4
15-19 min	8,675	17.4
20-29 min	7,164	14.4
30-39 min	5,080	10.2
40 min+	4,392	8.8
Total	49,797	100.0

T9. How did you get there?

- Driver-Auto/Van/Truck .....67.0%
- Passenger-Auto/van/truck .....22.2%
- Motorcycle .....0.0%
- Public Bus..... 1.0%
- School Bus .....3.0%
- Walk.....6.1%
- Bicycle .....0.5%
- Motorized Moped/Scooter .....0.0%
- OTHER, SPECIFY .....0.3%

FOR ALL TRIPS (REGARDLESS OF MODE), ASK

T10 Total party size: MEAN=2.24 +/- 0.01

T11 [IF Q7 >1] Of these, how many were household members? MEAN=0.53 +/- 0.00

T13 COMPUTE NON-HH MEMBERS – MEAN=1.19 +/- .01

IF AUTO:

A1 Which vehicle did<YOU >use? 6.5 % of vehicle trips were made in a non-household vehicle

A2 Where did you park? [IF PLACE IS NOT HOME]

WHERE PARK	FREQUENCY	PERCENT
DIDN'T PARK	3,331	11.2
PARKING LOT	23,158	78.2
PARKING GARAGE	415	1.4
STREET	1,548	5.2
OTHER (SPECIFY)	1,072	3.6
DON'T KNOW	107	.4
Total	29,631	100.0

A3 [IF A2>1] How much did you pay to park? MEAN = \$3.61 +/- \$0.25

IF TRANSIT:

R1 How did you get to the bus?

- Walked.....75%
- Biked ..... 1%
- Drove and parked.....8%
- Was dropped off .....9%
- Other (specify) .....7%

R2 [IF T1=1 OR 2] How far did you WALK/BIKE to get to the bus? ANY WAY OF ANSWERING IS FINE – JUST OBTAIN QUANTITY

- 0.74 blocks
- 0.88 miles
- 2.92 minutes
- Other (specify)

R3 Did you make any transfers? (4 cases where trans=9 not used)

# TRANSFERS	FREQUENCY	PERCENT
0	430	90.1
1	44	9.2
2	3	.6
Total	477	100.0

R4 Did you have an automobile available to you when you made this trip by bus?

- YES .....38%
- NO .....62%

T14. What was<YOUR >your main purpose for traveling there?

ACTIVITY	N	COL %	TRIP DURATION (CALCULATED)		ACTIVITY DURATION	
			MEAN	SE MEAN	MEAN	SE MEAN
AT HOME ACTIVITIES	16,109	32.3%	19.18	0.20	401.9	2.0
WORK	6,249	12.5%	19.62	0.62	348.6	2.5
PERSONAL BUSINESS	4,430	8.9%	19.08	0.43	55.9	1.4
SHOPPING	4,329	8.7%	15.12	0.33	36.8	0.5
EAT MEAL OUTSIDE OF HOME	2,817	5.7%	14.23	0.30	47.1	0.8
ATTENDING SCHOOL	2,499	5.0%	19.32	0.37	394.5	2.8
DROP OFF/PICK-UP AT THEIR SCHOOL	2,055	4.1%	14.27	0.46	13.2	1.0
WORK RELATED	1,989	4.0%	26.63	1.34	124.0	3.5
RECREATION/ FITNESS	1,715	3.4%	20.91	0.66	123.8	3.5
QUICK STOP FOR GAS, COFFEE, ATM, ETC.	1,623	3.3%	12.79	0.66	8.7	0.5
PICK-UP OR DROP-OFF PASSENGER	1,559	3.1%	17.26	0.72	13.0	1.1
VISIT FRIENDS/ RELATIVES	1,458	2.9%	20.65	0.75	128.6	4.1
CHANGE MODE OF TRAVEL	1,035	2.1%	17.60	0.99	10.6	1.8
CIVIC/ RELIGIOUS ACTIVITIES	571	1.1%	17.81	1.17	107.6	3.0
ENTERTAINMENT	406	0.8%	20.70	1.16	132.6	4.9
SCHOOL-RELATED ACTIVITIES	296	0.6%	17.32	0.97	116.4	6.5
DROP OFF/PICK-UP AT THEIR WORK	260	0.5%	18.32	1.28	7.1	0.9
WORKING AT HOME (for pay)	250	0.5%	17.74	1.51	403.6	18.9
OTHER, SPECIFY	104	0.2%	29.41	2.41	282.3	24.9
TRANSFER BETWEEN BUSES	43	0.1%	19.86	2.00	8.0	2.1
Total	49,797	100.0%	18.49	.14	224.49	1.10