

CHICAGO REGIONAL HOUSEHOLD TRAVEL INVENTORY DATA USER'S MANUAL

PREPARED FOR
CHICAGO METROPOLITAN AGENCY FOR PLANNING

TRAVEL TRACKER SURVEY



Prepared by
NuStats
206 Wild Basin Road ■ Building A, Suite 300 ■ Austin, Texas 78746
(512) 306-9065 ■ fax (512) 306-9077
www.nustats.com

Contact: Stacey Bricka, Vice President of Research
sbricka@nustats.com
512-306-9065, Extension 2240



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INTRODUCTION

The Chicago Regional Household Travel Inventory (CRHTI) is a comprehensive study of the demographic and travel behavior characteristics of residents in the greater Chicago area. Sponsored by the Chicago Metropolitan Agency for Planning (CMAP), the Illinois Department of Transportation (IDOT), the Northwestern Indiana Regional Planning Commission, and the Indiana Department of Transportation, the study universe is defined as households residing in the Illinois counties of Cook, DuPage, Grundy, Kane, Kendall, Lake, McHenry, and Will and in the Indiana counties of Lake, LaPorte, and Porter.

The primary objective of the study was to provide data for the continuing development and refinement of the Chicago regional travel demand forecast models. Data were obtained using standard travel survey methods and computer-aided telephone interviewing (CATI) technology, through the Travel Tracker Survey. This survey entailed the collection of activity and travel information for all household members regardless of age during a randomly assigned 24-hour or 48-hour period. The survey relied on the willingness of regional households to (1) provide demographic information about the household, its members and its vehicles and (2) have all household members record all travel and activity for the travel period, including address information for all locations visited, trip purpose, mode, and travel times.

The study began with design activities in late summer of 2006, followed by a pilot study in the fall of 2006. The full study ran from January 2007 through March 2008. In total, 25,845 households were recruited to participate in the study and 14,390 provided travel data.

The CRHTI was designed by a team of consultants, led by NuStats. NuStats led the survey design effort, managed data collection, processed and geocoded the data, provided quality control and assurance, summarized the survey data, and created the weighting and expansion. PTV DataSource conducted the telephone interviews and mailed the travel log packets. GeoStats fielded the GPS survey supplement and prompted-recall survey. PB Consult updated the inventory with modeling-enhanced data and conducted independent assessments of the data quality. In addition, the project team included the following independent consultants: Mark Bradley, Dr. Chandra Bhat, Mary Kay Christopher, and Keith Lawton; and was guided by an expert peer panel.

This report provides data users with information to help facilitate proper use of the inventory. It is one of three reports documenting the CRHTI. Additional reports include:

CRHTI Final Report – documentation of survey methods, interviewing outcomes, response rates, weighting, and survey instruments and materials followed by tabular presentation of results for geographic regions of the study area.

CRHTI GPS Study – methods and implementation of the GPS component of the study.

All households within the 11-counties comprising the Chicago and NW Indiana region were eligible for inclusion in the study through a random sampling process. As documented in the Methods and Implementation Report, a dual-frame sampling approach was used, sampling households through both the traditional random digit dial (RDD) approach but also via an address-based sampling approach. By using the address-based sampling frame, households without landlines (or without telephones) were sampled and invited to participate in the study through an advance notification letter. Those that opted into the study did so by filling out a short household recruitment questionnaire on the web, on paper (returned by mail), or by calling a toll-free number. In all, the inventory contains 29 households with no land-line telephone numbers.

The inventory contains only those households that meet the contractual definition of a completed household. This definition required that travel data be obtained from all members of participating households,¹ that the data conformed to the quality control criteria (see Appendix F), that 100% of all home locations be geocoded, and that at least 90% of all trip ends (in the aggregate) be geocoded. A total of 14,390 households met all four requirements and are included in the inventory.

The inventory is comprised of the following types of data:

Household File: Demographic information about the household, including household size, vehicles owned, housing type, home ownership status, tenure, telephone ownership, and income. In addition, the inventory includes summaries of the travel period (number of household trips) and the county of residence.

Person File: Demographic information about each member of the household, including age, gender, employment status, student status, disability status, and licensed driver status. Student level information includes typical mode to school and type of school attended. Employment details for the main job (or volunteer activity if performed on a regular basis like a job) include industry and occupation, the work location (in the home or outside the home), regular mode to work, number of days worked, schedule type (flexible or rigid), and the ability to telecommute. In addition, race and Hispanic origin are included for the primary household respondent, and all respondents contain flags regarding whether the respondent used the logs to record travel and whether the data were reported in person or by proxy, as well as whether the respondent had a “typical” travel period. Summary variables indicate the number of trips reported for the travel day(s).

Vehicle File: Information about the household vehicles, including year, make, model, body type, and where parked. In addition, a flag variable indicates whether the vehicle was reported as used on the travel day, and if not, the reason for non-use as provided verbatim by the respondent.

Place File: Each record in this file represents a place visited by the respondent during the travel period. Respondents were instructed to report each place visited, with “place” defined as a change in address. An anchor place (Place record number 1) begins each travel day at 3 am, and

¹ To mitigate non-response among larger households, an allowance of up to 5% of households could be included in the database if the household size was four or greater and all but one person reported travel. Only three households in the data set meet this criterion (PARTIAL=1), as most households either had data for all persons or were missing more than one person’s data.

each person's travel day ends at 2:59 am the following day. For households in the 48-hour sample, they have two "anchor" places and two "final places" (one for each day).

Data for each place includes the arrival time at that location, the departure time, trip purpose, travel mode, and for auto and transit travel, more details regarding travel by auto (transit details are included in the Transit File). Summary variables include activity duration (length of time at each place) and trip duration (length of time from departing the prior place/trip origin and arriving at the current place record/trip destination).

Transit File: Within the CATI software program, if a person indicated that they took transit (bus or rail), details regarding the access and egress modes, boarding and alighting locations, fare payment, and other transit details were obtained in a "loop" such that the same questions were repeated until all transfers were accounted for. This means that if a respondent reported taking transit as the travel mode in the Place file, the data user should consult the Transit file for details regarding all transit trip segments.

Location File: The final file in the inventory is the location file, which contains details regarding the places visited. The public use file contains the location number, the geocoding status of the address provided (matched, unmatched or out-of-area), the county and census tract in which the place is located, and the latitude and longitude of the centroid of that census tract. Home addresses begin with a "9", all other locations begin with the numbers 1 through 4.

The sampling plan was designed to allow geographic analysis based on strata (higher values having higher density and transit accessibility) and based on general densities (urban, suburban, rural). Analysis at the county or sub-county levels should be undertaken with caution.

DESCRIPTION OF DATA FILES

The data is stored in a relational data file system, in that variables are stored into tables with other associated variables having similar record counts and roster size. As indicated above, all unique household level variables (demographic and identifiers) are stored into a “household” data table, household members are sorted into a “person” level data table, household vehicle specifics into a “vehicle” table, place based travel day information into a “place” table, transit specifics into a “transit” table, and geocoded information about each location visited or habitually visited into a “location” table.

The six files comprising the relational dataset (household, person, vehicle, place, location, and transit) are linkable to each other through the use of unique reference numbers (sample number, person number, place number, vehicle number, location number). Each table also contains computed summary and post processed variables. For the “location” table, the public use files contains only anonymized location information. A complete listing of all variables and associated codes are contained in the Appendix B.

FILE RELATIONSHIPS

Table 1 shows the key data fields that link the data files. There are two identifying relationships among the data sets. One links the non-address data while the other links the address information for the destination. As stated above, the sample number is the key link between the household, person, vehicle, place, and transit files. The location number serves to reference the household location, reported work and school locations, and trip destinations visited with the appropriate geocoding information.

Data File	Description	# Records	Key Record Reference Fields	Location Reference Fields
Household	One record for each household that provided complete and usable activity and travel information	14,390	SAMPN	HHADDR
Person	One record for each member of a completed household	38,745	SAMPN PERNO	WADD SADD
Vehicle	One record for each household vehicle (no records for zero vehicle households)	25,746	SAMPN VEHNO	
Place	One record for each place visited by household members on travel day. Non-traveling household members have one record	218,945	SAMPN PERNO DAYNO PLANO VHTNO TRNNO	LOCNO

Transit	One record for each transit segment comprising a transit trip. Non-transit trips are excluded	8,843	SAMPN PERNO DAYNO PLANO TRNNO	
Location	One record for each unique location visited on travel day or reported as a home, work, or school location. More than one household can reference the same location	96,999		LOCNO

Figure 1: Key Reference Fields: Data Records

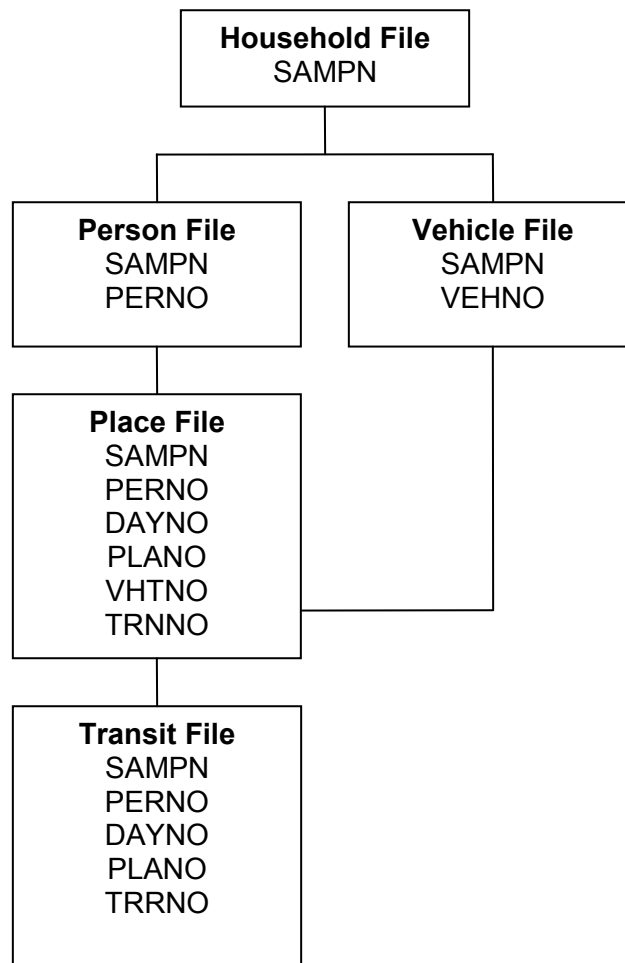
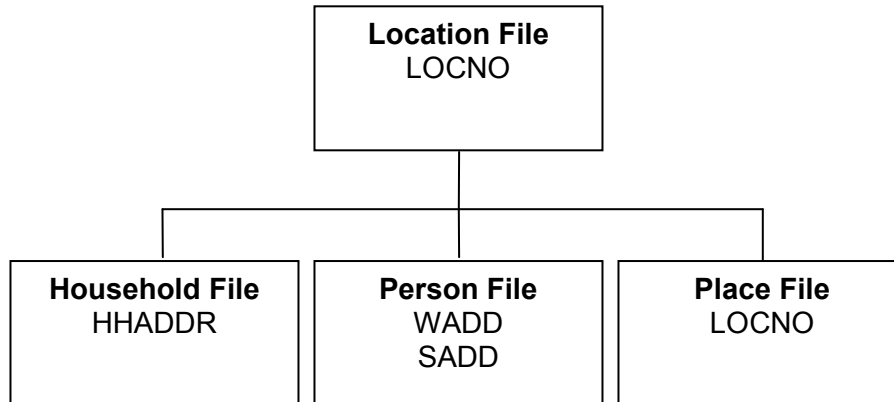


Figure 2: Key Reference Fields: Location Data



COMPUTED VARIABLES

Most of the data contained in the data sets were provided directly by respondents during the recruitment and/or retrieval interview. However, some computed variables were added to the data set for analysis purposes. These include the following:

File	Variable	Description	Calculation
Household	HHWRK	Number of HH Workers (Full-time and Part-time)	HH Count where WORKS equals 1
Household	HHSTU	Number of HH Students	HH Count where STUDE < 3
Household	HTRIPS1	Number of HH trips reported on Travel Day 1	Count of all HH places visited on Day 1 not place 1 (Anchor location)
Household	HTRIPS2	Number of HH trips reported on Travel Day 2	Count of all HH places visited on Day 2 not place 1 (Anchor location)
Household	HHLIC	Number of Licensed Drivers	HH Count where LIC equals 1
Person	PTRIPS1	Number of Person trips reported on Travel Day 1	Count of Person places visited on day 1 not place 1 (Anchor location)
Person	PTRIPS2	Number of Person trips reported on Travel Day 2	Count of Person places visited on day 2 not place 1 (Anchor location)
Place	NONHH	Number of Non-HH member travelers making shared trip	Total Persons on trip (TOTTR) minus other household members making trip (HHMEM)
Place	TRPDUR	Trip Duration	Arrival Time minus Departure Time of Previous Place (Minutes)
Place	ACTDUR	Activity Duration	Departure Time minus Arrival Time of Current Place (Minutes)
Transit	BAV_STATUS	Boarding Location ArcView Status	Coded to indicate the final geocoding outcome
Transit	BXCORD	Boarding Geocoded X-Coordinate	Longitudinal coordinate output from the geocoding process

Transit	BYCORD	Boarding Geocoded Y-Coordinate	Latitudinal coordinate output from the geocoding process
Transit	BFIPS	Boarding County Fips	County fips output from the geocoding process
Transit	BGEOCITY	Boarding Geocoded City	City output from the geocoding process
Transit	BGEOSTATE	Boarding Geocoded State	State output from the geocoding process
Transit	BGEOCNTY	Boarding Geocoded County	County output from the geocoding process
Transit	BGEOZIP	Boarding Geocoded Zip	Zip code output from the geocoding process
Transit	BAV_ADD	Boarding Geocoded Address	Address output from the geocoding process
Transit	BTRACT	Boarding Geocoded Tract	Census Tract output from the geocoding process
Transit	FAV_STATUS	Alighting Location ArcView Status	Coded to indicate the final geocoding outcome
Transit	FXCORD	Alighting Geocoded X-Coordinate	Longitudinal coordinate output from the geocoding process
Transit	FYCORD	Alighting Geocoded Y-Coordinate	Latitudinal coordinate output from the geocoding process
Transit	FFIPS	Alighting County Fips	County fips output from the geocoding process
Transit	FGEOCITY	Alighting Geocoded City	City output from the geocoding process
Transit	FGEOSTATE	Alighting Geocoded State	State output from the geocoding process
Transit	FGEOCNTY	Alighting Geocoded County	County output from the geocoding process
Transit	FGEOZIP	Alighting Geocoded Zip	Zip code output from the geocoding process
Transit	FAV_ADD	Alighting Geocoded Address	Address output from the geocoding process
Transit	FTRACT	Alighting Geocoded Tract	Census Tract output from the geocoding process
Transit	FLAG1	Transit Inconsistency Flag 1	Station Code in WHBR (boarding location) is the same as that for EGPN (egress location)
Transit	FLAG2	Transit Inconsistency Flag 2	MODE inconsistent with Station Code
Location	AV_STATUS	Alighting Location ArcView Status	Coded to indicate the final geocoding outcome
Location	TRACT	Alighting Geocoded Tract	Census Tract output from the geocoding process
Location	FIPS	Alighting County Fips	County fips output from the geocoding process
Location	PUBLIC_X	Centroid of Census Tract	Anonymized to Protect Respondent's Identify
Location	PUBLIC_Y	Centroid of Census Tract	Anonymized to Protect Respondent's Identify

GEOCODING VARIABLES

The location file is created of two types of data: respondent reported location information and output from the geocoding process. Each of these is detailed below.

Respondent Reported Location Information: During the interview process, respondents were asked for the place name, address, city, and zip code for all places visited. In addition, this information was collected for home, work, and school addresses. Typically, the home addresses were most accurate. Habitual addresses (work and school) also tended to have a higher degree of accuracy, as respondents visited these locations almost daily. The frequency of visits to a specific destination tends to be related with the amount of information provided by a respondent about the location visited. Subsequently, the more information provided about a location typically yields more accurate geocoding.

The non-home, non-work, and non-school locations or “other trip locations” were not as accurate. Respondents typically are unable to report correct zip codes for commonly visited locations such as the mall or grocery store. In addition, these types of addresses are mostly comprised of cross streets, as compared to the exact addresses reported in the first type of addresses. In the daily conduct of life, exact addresses and zip codes were simply not important to respondents. Every effort was made to obtain as much information about each location as possible, to aid in the geocoding process. This included probing for mid-block locations as well as nearby landmarks. The identification of these locations was aided by pre-geocoded look-up lists that were loaded directly into the CATI program, as well as the PTV e-CATI software, which geocoded addresses in real time.

Geocoding Output: Upon completion of the geocoding process, each location received unique latitude / longitude coordinates (XCOR and YCOR) based on the zone used during the geocoding process (AV_ZONE). The AV_ADD field was populated with the address to which the coordinates point, and a geocoding outcome code was assigned (AV_STATUS). During a second stage of processing, the census tract (TRACT), county code (FIPS), county name (GEOCNTY), city (GEOCITY), state (GEOSTATE), and zip code (GEOZIP) were derived using the geocoded coordinates. To protect the identity of respondents, the final inventory contains only the tract, county code, and the coordinates associated with the centroid of the census tract.

USING THE DATA

The purpose of this section is to review basic concepts associated with the analysis of the data. SPSS commands and menu options will be referred to, although the data can be analyzed using any number of software packages.

TABULATING THE DATA

The most common methods for analyzing the data are frequencies, cross tabulations, and means. Instructions for performing each of these steps are detailed below. Sample tables and underlying programming codes are provided in Appendix A.

To produce data frequencies using SPSS:

1. Go to “ANALYZE” in the main menu.
2. Select “DESCRIPTIVE STATISTICS”.
3. Select “FREQUENCIES”.
4. Using the mouse, highlight the desired variables in the list of variables to the left.
5. Click the right-pointing arrow to move the desired variables to the Variable box.
6. To tailor the statistical output, click the “STATISTICS” button on the bottom of the screen.
7. To produce charts, click the “CHARTS” button.
8. To format the output, click the “FORMAT” button.

To produce data cross tabulations using SPSS:

1. Go to “ANALYZE” in the main menu.
2. Select “DESCRIPTIVE STATISTICS”.
3. Select “CROSSTABS”.
4. Using the mouse, highlight the desired variable(s) in the list of variables to the left.
5. Click the right-pointing arrow to move the desired variables to the Row and Column variable boxes.
6. To tailor the statistical output, click the “STATISTICS” button on the bottom of the screen.
7. To tailor the output by choosing counts, row percent, column percent, or total percent, click the “CELLS” button.
8. To format the order of the output (ascending versus descending), click the “FORMAT” button.

To produce data means using SPSS:

1. Go to “ANALYZE” in the main menu.
2. Select “DESCRIPTIVE STATISTICS”.
3. Select “DESCRIPTIVES”.
4. Using the mouse, highlight the desired variable(s) in the list of variables to the left.
5. Click the right-pointing arrow to move the desired variables to the variable box.
6. To format the output, click the “OPTIONS” button.

CONTROL NUMBERS

Control numbers are the base totals and weighted totals of important variables and are useful for confirming an analysis has been done correctly.

The household file contains data for 14,390 households. Of these, 10,522 represent Illinois Households and 3,838 represent NW Indiana households. When weighted and expanded to represent the entire 11-county study area, the data total 3,218,100 households.

The person file contains data for 38,745 persons. Of these, 17,415 persons reported being employed and 6,969 reported being students, with some respondents reporting both.

The vehicle file contains 25,746 vehicle records.

The place file contains 218,945 place records and 172,537 trip records. Place 1 for each person is an anchor point only to pinpoint a starting point for each travel day. There is no travel information associated with Place 1 since trip information only appears for each destination (all places greater than 1). Any trip reporting should be done with a filter of “PLANO>1” to ensure proper reporting of trip rates.

The location file contains 96,999 locations, of which 14,390 are home addresses (all being with a “9”). There is not a one-to-one correspondence between the Place and Location file records because (1) work and school locations reported during recruitment may not be used on the travel day but are included in the location file and (2) addresses overlap across respondents. An example of the overlap includes teachers and students, whom may both list the same school, but it is work from one group and a school location for the other.

WEIGHTING THE DATA

The only file in the data set with a weight is the household file. The final weight variable WTFIN should be used. This both weights the data to adjust for coverage and non-response bias, but also expands the data to the full population.

To weight the household data using SPSS:

1. Go to “DATA” in the main menu.
2. Select “WEIGHT CASES”.
3. A user’s box will appear on the screen. Select the “Weight Cases by” option.
4. Select the weight variable WTFIN by highlighting it in the list of variables to the left.

5. Click the right-pointing arrow to move it into the “Frequency Variable” box.
6. Click “OK”.

SAMPLING ERRORS

When sampling is used (as opposed to a census), it is necessary to consider the sampling error. Sampling error reflects the probability that, by chance alone, a sample will not perfectly reflect the universe or population from which it was drawn. The most common statistic used to describe sampling error is the standard error of the estimate.

The formula to calculate this value is found in most statistical textbooks. The formula for the calculation of standard error is:

$$E = \text{square root of } (p) \times (1-p) / n$$

Where E = standard error of the estimate

p = the incidence or response frequency

n = sample size.

For example, 47 % of the respondents in the data set are male. The standard error of the estimate is calculated as:

The square root of $(.47)(.53) / 32,118$ or 0.3%.

Where E = 0.3%

p = .47

n = 32,118

This means that the true population of males in the study area is somewhere between 46.7% and 47.3% (47% +/- 0.03%) assuming a normal distribution.

To determine the standard error of the estimate for any frequencies using SPSS, click the “STATISTICS” button in the frequency window and choose the “S. E. mean” option.

For means, click the “OPTIONS” button in the descriptives window and chose the “S. E. Mean” option.

For more details on sampling errors, standard errors of the mean, or other tests for statistical significance and their associated formulas, consult the SPSS user’s manual or a statistical text book.

APPENDICES

APPENDIX A: SAMPLE TABLES AND PROGRAMMING CODES

CREATION OF REGIONAL CODES

The tables in the CRHTI Compendium of Results summarize the inventory contents first at the MPO regional level then according to density (urban, suburban, and rural). The 11 counties and their associated MPO regions are as follows:

<u>Illinois (CMAP Region)</u>	<u>Indiana (NIRPC Region)</u>
-------------------------------	-------------------------------

Cook	Lake
DuPage	LaPorte
Grundy	Porter
Kane	
Kendall	
Lake	
McHenry	
Will	

<u>Urban</u>	<u>Suburban</u>	<u>Rural</u>
Cook	DuPage (IL)	Grundy (IL)
	Kane (IL)	Kendall (IL)
	Lake (IL)	McHenry (IL)
	Will (IL)	
	Lake (IN)	
	LaPorte (IN)	
	Porter (IN)	

The following SPSS syntax assists the data user in creating the classification necessary to group the data similarly:

To create a variable that summarizes the data by MPO region, use the following syntax:

```
RECODE
  CTFIP
  (Lowest thru 17197=1) (ELSE=2) INTO region .
EXECUTE .
```

To create a variable that summarizes the data based on density (urban, suburban, rural), use the following syntax:

```
RECODE
  CTFIP
  (17031=1) (17063=3) (17093=3) (17111=3) (ELSE=2) INTO USR .
EXECUTE .
```


SAMPLE REPORT TABLES

These regional groupings can be used to reproduce most of the tables in the Compendium of Results report. Sample household, person, and trip tables and the specific SPSS code used to produce those tables are included in this appendix.

The first table is a frequency of household size by the various geographic units. To produce this table, the first step is to recode the household size variable into four categories: 1-person, 2-person, 3-person and 4+ persons. This is accomplished by using the following syntax:

```
RECODE  
HHSIZ  
(4 thru Highest=4) (ELSE=Copy) INTO rhhsiz.  
VARIABLE LABELS rhhsiz 'HH size (recoded)'.  
EXECUTE.
```

Next, the recoded variable is used to create the table:

```
TABLS  
  /FORMAT BLANK MISSING(' ')  
  /GBASE=CASES  
  /FTOTAL=$t000001 "Total" $t000005 "Total"  
  /TABLE = REGION + USR + $t000001 BY rhhsiz + $t000005  
  /STATISTICS  
  Cpct ( REGION (PCT5.1) 'Row %': REGION USR )  
  Cpct ( USR (PCT5.1) 'Row %': REGION USR ).
```

			HH size (recoded)				Total
			1	2	3	4+	
MPO Region	CMA	Row %	26.3%	28.6%	16.2%	28.8%	100.0%
	NIRPC	Row %	25.0%	31.8%	17.4%	25.8%	100.0%
Density Group	Urban	Row %	30.6%	25.0%	17.4%	26.9%	100.0%
	Suburban	Row %	19.5%	34.5%	13.7%	32.3%	100.0%
	Rural	Row %	17.5%	40.1%	21.4%	21.0%	100.0%
Total	Row %		26.2%	28.9%	16.3%	28.6%	100.0%

The same geographic descriptions can be used to summarize the person level data as well. To merge these variables into the person file, open the person file and the household file, make sure both are sorted on SAMPN, then use the following menu options:

1. Open the person file. From the menu, select: DATA – MERGE FILES – ADD VARIABLES
2. When prompted, identify the household file (it will either be from the “open data set” if it is already opened, or an “external SPSS data file” if not – where you’d browse for the correct file name). After selecting the household file, select “Continue”.
3. In the box that next opens, the variables in the household file are listed in the “Excluded variables” section. The variables in the person file are listed under “New Active DataSet.” SPSS will automatically include variables from the household file that are not present in the person file in the “new active dataset list”. However, it is useful to confirm that CTFIP, REGION, and USR are listed in the New Active Data Set list. If there are other household variables that you do not want to include in the “new” data set, simply highlight them in the “new active dataset” list and click the left-pointing arrow to “remove” them.
4. Once you have confirmed the variables that you want are present in the new active dataset list, return to the “excluded variables list” and locate SAMPN. Highlight SAMPN, then select “Match cases on key variable in sorted files.” Under this, select “Non-active table is keyed table” then click the right-pointing arrow to put SAMPN in the box labeled “Key Variables”.
5. Select “OK”

To confirm the merge, run frequencies on the new variables, then save the file.

Once the geography variables are included in the person file, you can run tables such as the following crosstabulation of density by Race:

		What is your race?					Total
		White	Black/African American	American Indian, Alaskan Native	Asian	or some other race? SPECIFY	
Density	Urban	60.8%	27.7%	.1%	1.1%	10.3%	100.0%
Group	Suburban	75.8%	5.7%	.2%	.5%	17.7%	100.0%
	Rural	99.1%	.2%	.0%	.1%	.6%	100.0%
Total		67.4%	19.1%	.1%	.8%	12.5%	100.0%

The merge process can be used to bring the geographic variables into the other files, and tables can be created using the codes provided, or the frequency, crosstabulation, and mean options from the menu.

When merging files, it is important to remember (1) to sort both files on the key variable(s) prior to the merge, (2) to identify the key variable(s) according to the relationships between each file, and (3) to save your files often.

APPENDIX B: DATA CODE BOOK

HOUSEHOLD DATA

MPO MPO Code
 1 CMAP
 2 NIRPC

SURVEY Survey Type
 1 1-day
 2 2-day

SOURCE Data Collection Facility
 1 DataSource
 2 Blackstone

RECTYPE Recruitment Category
 1 CATI recruit
 2 Web recruit
 3 Mail-in recruit

PARTIAL Flag for valid partial household
 1 Valid Partial

SAMPN Sample Number (unique identifier)
 STRATA Strata
 HHADDR Household address reference number

LANG Language
 Value Label
 1 English
 2 Spanish

ASSN Travel day / 1st travel day for 2-day survey

Value	Label	150	Monday, 2/19
122	Monday, 1/22	151	Tuesday, 2/20
123	Tuesday, 1/23	152	Wednesday, 2/21
124	Wednesday, 1/24	153	Thursday, 2/22
125	Thursday, 1/25	154	Friday, 2/23
126	Friday, 1/26	156	Sunday, 2/25
128	Sunday, 1/28	157	Monday, 2/26
129	Monday, 1/29	158	Tuesday, 2/27
130	Tuesday, 1/30	159	Wednesday, 2/28
131	Wednesday, 1/31	161	Thursday, 3/1
132	Thursday, 2/1	162	Friday, 3/2
133	Friday, 2/2	164	Sunday, 3/4
135	Sunday, 2/4	165	Monday, 3/5
136	Monday, 2/5	166	Tuesday, 3/6
137	Tuesday, 2/6	167	Wednesday, 3/7
138	Wednesday, 2/7	168	Thursday, 3/8
139	Thursday, 2/8	169	Friday, 3/9
140	Friday, 2/9	171	Sunday, 3/11
142	Sunday, 2/11	172	Monday, 3/12
143	Monday, 2/12	173	Tuesday, 3/13
144	Tuesday, 2/13	174	Wednesday, 3/14
145	Wednesday, 2/14	175	Thursday, 3/15
146	Thursday, 2/15	176	Friday, 3/16
147	Friday, 2/16	178	Sunday, 3/18
149	Sunday, 2/18	179	Monday, 3/19
		180	Tuesday, 3/20

181	Wednesday, 3/21	253	Friday, 6/1
182	Thursday, 3/22	255	Sunday, 6/3
183	Friday, 3/23	256	Monday, 6/4
185	Sunday, 3/25	257	Tuesday, 6/5
186	Monday, 3/26	258	Wednesday, 6/6
187	Tuesday, 3/27	259	Thursday, 6/7
188	Wednesday, 3/28	260	Friday, 6/8
189	Thursday, 3/29	262	Sunday, 6/10
190	Friday, 3/30	263	Monday, 6/11
192	Sunday, 4/1	264	Tuesday, 6/12
193	Monday, 4/2	265	Wednesday, 6/13
194	Tuesday, 4/3	266	Thursday, 6/14
195	Wednesday, 4/4	267	Friday, 6/15
196	Thursday, 4/5	269	Sunday, 6/17
197	Friday, 4/6	270	Monday, 6/18
199	Sunday, 4/8	271	Tuesday, 6/19
200	Monday, 4/9	272	Wednesday, 6/20
201	Tuesday, 4/10	273	Thursday, 6/21
202	Wednesday, 4/11	274	Friday, 6/22
203	Thursday, 4/12	276	Sunday, 6/24
204	Friday, 4/13	277	Monday, 6/25
206	Sunday, 4/15	278	Tuesday, 6/26
207	Monday, 4/16	279	Wednesday, 6/27
208	Tuesday, 4/17	280	Thursday, 6/28
209	Wednesday, 4/18	281	Friday, 6/29
210	Thursday, 4/19	283	Sunday, 7/1
211	Friday, 4/20	284	Monday, 7/2
213	Sunday, 4/22	285	Tuesday, 7/3
214	Monday, 4/23	286	Wednesday, 7/4
215	Tuesday, 4/24	287	Thursday, 7/5
216	Wednesday, 4/25	288	Friday, 7/6
217	Thursday, 4/26	290	Sunday, 7/8
218	Friday, 4/27	291	Monday, 7/9
220	Sunday, 4/29	292	Tuesday, 7/10
221	Monday, 4/30	293	Wednesday, 7/11
222	Tuesday, 5/1	294	Thursday, 7/12
223	Wednesday, 5/2	295	Friday, 7/13
224	Thursday, 5/3	297	Sunday, 7/15
225	Friday, 5/4	298	Monday, 7/16
227	Sunday, 5/6	299	Tuesday, 7/17
228	Monday, 5/7	300	Wednesday, 7/18
229	Tuesday, 5/8	301	Thursday, 7/19
230	Wednesday, 5/9	302	Friday, 7/20
231	Thursday, 5/10	304	Sunday, 7/22
232	Friday, 5/11	305	Monday, 7/23
234	Sunday, 5/13	306	Tuesday, 7/24
235	Monday, 5/14	307	Wednesday, 7/25
236	Tuesday, 5/15	308	Thursday, 7/26
237	Wednesday, 5/16	309	Friday, 7/27
238	Thursday, 5/17	311	Sunday, 7/29
239	Friday, 5/18	312	Monday, 7/30
241	Sunday, 5/20	313	Tuesday, 7/31
242	Monday, 5/21	314	Wednesday, 8/1
243	Tuesday, 5/22	315	Thursday, 8/2
244	Wednesday, 5/23	316	Friday, 8/3
245	Thursday, 5/24	318	Sunday, 8/5
246	Friday, 5/25	319	Monday, 8/6
248	Sunday, 5/27	320	Tuesday, 8/7
249	Monday, 5/28	321	Wednesday, 8/8
250	Tuesday, 5/29	322	Thursday, 8/9
251	Wednesday, 5/30	323	Friday, 8/10
252	Thursday, 5/31	325	Sunday, 8/12

326 Monday, 8/13
327 Tuesday, 8/14
328 Wednesday, 8/15
329 Thursday, 8/16
330 Friday, 8/17
332 Sunday, 8/19
333 Monday, 8/20
334 Tuesday, 8/21
335 Wednesday, 8/22
336 Thursday, 8/23
337 Friday, 8/24
339 Sunday, 8/26
340 Monday, 8/27
341 Tuesday, 8/28
342 Wednesday, 8/29
343 Thursday, 8/30
344 Friday, 8/31
346 Sunday, 9/2
347 Monday, 9/3
348 Tuesday, 9/4
349 Wednesday, 9/5
350 Thursday, 9/6
351 Friday, 9/7
353 Sunday, 9/9
354 Monday, 9/10
355 Tuesday, 9/11
356 Wednesday, 9/12
357 Thursday, 9/13
358 Friday, 9/14
360 Sunday, 9/16
361 Monday, 9/17
362 Tuesday, 9/18
363 Wednesday, 9/19
364 Thursday, 9/20
365 Friday, 9/21
367 Sunday, 9/23
368 Monday, 9/24
369 Tuesday, 9/25
370 Wednesday, 9/26
371 Thursday, 9/27
372 Friday, 9/28
374 Sunday, 9/30
375 Monday, 10/1
376 Tuesday, 10/2
377 Wednesday, 10/3
378 Thursday, 10/4
379 Friday, 10/5
381 Sunday, 10/7
382 Monday, 10/8
383 Tuesday, 10/9
384 Wednesday, 10/10
385 Thursday, 10/11
386 Friday, 10/12
388 Sunday, 10/14
389 Monday, 10/15
390 Tuesday, 10/16
391 Wednesday, 10/17
392 Thursday, 10/18
393 Friday, 10/19
395 Sunday, 10/21
396 Monday, 10/22
397 Tuesday, 10/23

398 Wednesday, 10/24
399 Thursday, 10/25
400 Friday, 10/26
402 Sunday, 10/28
403 Monday, 10/29
404 Tuesday, 10/30
405 Wednesday, 10/31
406 Thursday, 11/1
407 Friday, 11/2
409 Sunday, 11/4
410 Monday, 11/5
411 Tuesday, 11/6
412 Wednesday, 11/7
413 Thursday, 11/8
414 Friday, 11/9
416 Sunday, 11/11
417 Monday, 11/12
418 Tuesday, 11/13
419 Wednesday, 11/14
420 Thursday, 11/15
421 Friday, 11/16
423 Sunday, 11/18
424 Monday, 11/19
425 Tuesday, 11/20
426 Wednesday, 11/21
427 Thursday, 11/22
428 Friday, 11/23
430 Sunday, 11/25
431 Monday, 11/26
432 Tuesday, 11/27
433 Wednesday, 11/28
434 Thursday, 11/29
435 Friday, 11/30
437 Sunday, 12/2
438 Monday, 12/3
439 Tuesday, 12/4
440 Wednesday, 12/5
441 Thursday, 12/6
442 Friday, 12/7
444 Sunday, 12/9
445 Monday, 12/10
446 Tuesday, 12/11
447 Wednesday, 12/12
448 Thursday, 12/13
449 Friday, 12/14
451 Sunday, 12/16
452 Monday, 12/17
453 Tuesday, 12/18
454 Wednesday, 12/19
455 Thursday, 12/20
456 Friday, 12/21
458 Sunday, 12/23
459 Monday, 12/24
460 Tuesday, 12/25
461 Wednesday, 12/26
462 Thursday, 12/27
463 Friday, 12/28
501 Tuesday, 1/1/08
502 Wednesday, 1/2/08
503 Thursday, 1/3/08
504 Friday, 1/4/08
506 Sunday, 1/6/08

507 Monday, 1/7/08
 508 Tuesday, 1/8/08
 509 Wednesday, 1/9/08
 510 Thursday, 1/10/08
 511 Friday, 1/11/08
 513 Sunday, 1/13/08
 514 Monday, 1/14/08
 515 Tuesday, 1/15/08
 516 Wednesday, 1/16/08
 517 Thursday, 1/17/08
 518 Friday, 1/18/08
 520 Sunday, 1/20/08
 521 Monday, 1/21/08

522 Tuesday, 1/22/08
 523 Wednesday, 1/23/08
 524 Thursday, 1/24/08
 525 Friday, 1/25/08
 527 Sunday, 1/27/08
 528 Monday, 1/28/08
 529 Tuesday, 1/29/08
 530 Wednesday, 1/30/08
 531 Thursday, 1/31/08
 532 Friday, 2/1/08

DAY Day of week of travel day

Value	Label
1	Monday
2	Tuesday
3	Wednesday
4	Thursday
5	Friday
7	Sunday

CTFIP County fips code

Value	Label
17031	Cook County, IL
17043	DuPage County, IL
17063	Grundy County, IL
17089	Kane County, IL
17093	Kendall County, IL
17097	Lake County, IL
17111	McHenry County, IL
17197	Will County, IL
18089	Lake County, IN
18091	LaPorte County, IN
18127	Porter County, IN

RIBUS Use transit

Value	Label
1	Yes
2	No

WABIK Bike/ walk to school

Value	Label
1	Yes
2	No

HHVEH HH Vehicles

HHSIZ HH Size

PDEPN Depends on Respondent for Transportation Assistance

Value	Label
98	DK
99	RF

BIKES Number of bicycles

Value	Label
8	DK
9	RF

RESTY Description of home

Value	Label
1	One-family house detached from any other house
2	1 family attached to one or more houses(duplex, townhouse)
3	Building with 2 or more apartments [CONDO, APARTMENT, ETC]
9	RF

OWN Home ownership

Value	Label
1	owned/mortgaged
2	rented
7	other
9	refused

O_OWN Home ownership-OTHER

HLIVE Length of stay at current location

Value	Label
1	Less than 1 year
2	At least 1 yr but less than 2 years
3	At least 2 yrs but less than 5 years
4	At least 5 yrs but less than 10 years
5	10 or more years
9	RF

BFCITY City of previous residence

BFSTA State of previous residence

BFZIP Zip code of previous residence

BFHOM Description of home

Value	Label
1	1-family house detached from any other house
2	1 family attached to one or more houses(duplex, townhouse)
3	Building with 2 or more apartments (apartment/condo)
9	RF

O_BFHOM Description of home OTHER

CPLNS Number of cell phones

Value	Label
9	REFUSED

PHLNS Number of landline phone numbers

Value	Label
9	REFUSED

FXLNS Dedication to fax

Value	Label
9	REFUSED

INCOM Household Income

Value	Label
1	Less than \$20,000
2	\$20,000 - \$34,999
3	\$35,000 - \$49,999
4	\$50,000 - \$59,999
5	\$60,000 to \$74,999
6	\$75,000 to \$99,999
7	More than \$100,000
9	Refused

HHWRK Number of HH workers (Full-time and Part-time) – Summed from Person file (WORKS=1)
HHSTU Number of HH students – Summed from Person file (STUDE=1 or 2)
HTRIPS1 Household trips – Day 1 - Summed from Trip File (Plano>1 and Dayno=1)
HTRIPS2 Household Trips – Day 2- summed from trip file (plano>1 and dayno=2) – blank for Survey=1.
HHLIC Number of licensed drivers – Summed from Person file (LIC=1)

WTFIN Final Household Weight
EXPFIN Final Household Weight Expanded

PERSON DATA

MPO MPO Code
1 CMAP
2 NIRPC

SURVEY Survey Type
1 1-day
2 2-day

SAMPN Person Sample Number (unique identifier)
PERNO Person Number (unique identifier within household)

WADD Work address (unique identifier to location file)
SADD School address (unique identifier to location file)

GEND Gender
Value Label
1 Male
2 Female
9 RF

AGE Age
Value Label
98 98 or older
99 DK/RF

AGEB Age if refused
Value Label
1 Under 16
2 Age 16+
9 DK/RF

HISP Hispanic or Latino (asked only of main HH respondent)
Value Label
1 Yes
2 No
9 RF

RACE Ethnicity or Race (asked only of main HH respondent)
Value Label
1 White
2 Black/African American
3 American Indian, Alaskan Native
4 Asian
7 or some other race? SPECIFY
9 REFUSED

O_RACE Ethnicity or Race, OTHER

DISAB Disabled
Value Label
1 Yes
2 No
9 RF

DTYPE What type of disability (if disabled)
Value Label
1 Limited mobility (wheel chair, cane/walker)
2 Blind/Visual
3 Deaf/Hearing impaired

- 4 Mentally disabled
- 7 Other, specify
- 8 Don't know
- 9 Refused

O_DTYPE What type of disability, Other

TWEXT Condition of disability (if disabled)

- | Value | Label |
|-------|-----------------------------|
| 1 | Not at all? |
| 2 | For a portion of each trip? |
| 3 | For the entire trip? |
| 9 | DK/RF |

DSLIC1 Disability Plates (if disabled)

DSLIC2 Disability Plates (if disabled)

- | Value | Label |
|-------|-------------------|
| 1 | Yes |
| 2 | No |
| 3 | None of the above |
| 7 | Other, specify |
| 9 | DK/RF |

O_DSLIC Disability Plates - Other

LIC Valid license (asked age 16+)

- | Value | Label |
|-------|-------|
| 1 | Yes |
| 2 | No |
| 9 | DK/RF |

EMPLY Employed? (asked age 16+)

- | Value | Label |
|-------|-------------------------------------|
| 1 | Employed full time (30+ hours/week) |
| 2 | Employed part time (<30 hours/week) |
| 3 | Not Employed |
| 9 | DK/RF |

VOLUN Volunteer employment? (asked if not employed)

- | Value | Label |
|-------|-----------------------|
| 1 | Yes treat as employed |
| 2 | No |
| 9 | DK/RF |

WORKS Does this person work? (computed based on EMPLY and VOLUN)

- | Value | Label |
|-------|-------|
| 1 | Yes |
| 2 | No |

WKSTAT Employment status (asked if WORKS=2)

Value	Label
1	Retired
2	Temporarily disabled / On disability status
3	Permanently disabled (Permanently not working)
4	Homemaker
5	Unemployed but looking for work
6	Unemployed and not looking for work
7	a student?
97	OTHER (specify)
99	REFUSED

O_WKSTAT Employment status

The following questions were asked of all employed respondents

JOBS How many jobs

OCCUP Occupation

IND1 Occupation Type

Value	Label
1	Manufacturing
2	Transportation, utilities or warehousing
3	Communications
4	Retail
5	Service
6	Government
7	Other, specify

O_IND1 Occupation Type - Other

IND5 Service Industry (If IND1=5)

Value	Label
1	Finance and insurance
2	Real estate, rental, or leasing
3	Professional, scientific, or technical services
4	Management of companies or enterprises
5	Administrative support, waste management, or remediation ser
6	Educational services
7	Health care or social assistance
8	Arts, entertainment, or recreation
9	Accommodation or food service
97	Other, specify

O_IND5 Service Industry - Other

WLOC Work Location

Value	Label
1	Home
2	Address given
3	Varies
4	No set work location
8	Don't know
9	Refused

WDAYS Days at work

WMODE Work mode

Value	Label
1	Walk
2	Bike
3	Auto / Van / Truck Driver
4	Auto / Van / Truck Passenger
5	CTA Bus
6	CTA Train
7	PACE Bus
8	Metra Train / South Shore railroad
9	Private shuttle bus
10	Dial a ride/Paratransit
12	Taxi
14	Local transit (nirpc region)
97	Other, specify
98	Don't know
99	REFUSED

O_WMODE Other, work mode

PERVH Vehicle available for work

Value	Label
1	Yes
2	No
9	DK/RF

TELEW Telecommute to work (asked if wloc<>1)

Value	Label
1	Yes
2	No
8	DK
9	REFUSED

WHOME How often (if wloc<> and telew=1)

Value	Label
1	Almost every day
2	Once a week or more
3	Once a month or more
4	A few times a year
5	Once a year
8	DK
9	RF

SCHED Work schedule

Value	Label
1	I have no flexibility in my work schedule
2	I have some flexibility in my work schedule
3	I'm pretty much free to adjust my schedule as I like
9	DK/RF

The following was asked of all respondents, regardless of age:

EDUCA Level of education completed

Value	Label
1	Not a high school graduate, 12 grade or less
2	High School graduate
3	Some college credit but no degree
4	Associate or technical school degree
5	Bachelor's or undergraduate degree
6	Graduate degree
7	OTHER, SPECIFY
9	DK/RF

O_EDUCA Level of education completed, other

STUDE Student

Value	Label
1	Yes-full time
2	Yes-part time
3	No
9	DK/RF

The following was asked of all respondents who indicated they were a FT or PT student

SCHOL Grade level of school

Value	Label
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

O_SCHOL Grade level of school - Other

SLOC School location

Value	Label
1	Home
2	Address given
9	DK/RF

SMODE School mode

Value	Label
1	Walk
2	Bike
3	Auto / Van / Truck Driver
4	Auto / Van / Truck Passenger
5	CTA Bus
6	CTA Train
7	Pace Bus
8	Metra Train
9	Private shuttle bus
10	Dial a ride/Paratransit
11	School Bus
12	Taxi
14	local transit (NIRPC region)
97	OTHER (SPECIFY)
98	DON'T KNOW
99	REFUSED

O_SMODE School mode - Other

The following variables were obtained during retrieval

TYPDY Travel day reflects typical travel (if intrv=1)

Value	Label
1	Yes
2	No
8	DK
9	RF

O_TYPDY Travel day reflects typical travel, Why not?

TYPPL All events planned? (if intrv=1)

Value	Label
1	Yes
2	No
8	DK
9	RF

O_TYPPL All events planned? Why not?

CMPLG Completed logs

Value	Label
1	Yes
2	No

INTRV Interviewed in person?

Value	Label
1	Yes
2	No

PROXY If INTRV=2, Which household member served as proxy?

PTRIPS1 Person Trips – Day 1 (summed from the place file for plano>1 and dayno=1)

PTRIPS2 Person Trips – Day 2 (summed from the place file for plano>1 and dayno=2)

NOGO1 Reason for not travel – Day 1

Value	Label
1	Personally sick
2	Caretaking sick kids
3	Caretaking sick other
4	Home bound elderly or disabled
5	Worked at home for pay
6	Worked around home(not for pay)
7	Out of area, specify city and state
94	HH travel missing, valid partial
97	Other, specify
98	DK
99	RF

O_NOGO1 Reason for not travel – Day 1 OTHER

NOGO2 Reason for not travel – Day 2 (valid only for SURVEY=2)

Value	Label
1	Personally sick
2	Caretaking sick kids
3	Caretaking sick other
4	Home bound elderly or disabled
5	Worked at home for pay
6	Worked around home(not for pay)
7	Out of area, specify city and state
94	HH travel missing, valid partial
97	Other, specify
98	DK
99	RF

O_NOGO2 Reason for not travel – Day 2 OTHER

VEHICLE DATA

MPO MPO Code
1 CMAP
2 NIRPC

SURVEY Survey Type
1 1-day
2 2-day

SAMPN Sample Number (unique identifier)
VEHNO Vehicle Number (unique identifier within household)

YEAR Year of vehicle
Value Label
9998 DK
9999 RF

MAKE Vehicle Make

Value	Label
11	Acura
12	Audi
13	BMW
14	Buick
15	Cadillac
16	Chevrolet
17	Chrysler
18	Daewoo
19	Dodge
20	Ford
21	Geo
22	GMC
23	Harley Davidson
24	Honda
25	Hummer
26	Hyundai
27	Infiniti
28	Isuzu
29	Jaguar
30	Jeep
31	Kawasaki
32	Kia
33	Lexus
34	Lincoln
35	Mazda
36	Mercedes
37	Mercury
38	Mitsubishi
39	Nissan
40	Oldsmobile
41	Plymouth
42	Pontiac
43	Porsche
44	Range Rover
45	Saab
46	Saturn
47	Scion
48	Subaru
49	Suzuki
50	Toyota
51	Volkswagen
52	Volvo
53	Yamaha
97	Other, Specify
98	Don't Know
99	Refused

O_MAKE Other make

MODEL Vehicle Model

BODY Vehicle body (Asked when make and model are refused)

Value	Label
1	Car or station wagon
2	Van (any type)
3	SUV
4	Pick-up truck
5	Other kind of truck
6	RV
7	Motorcycle
99	RF

PARKD Where vehicle is parked

Value	Label
-------	-------

- | | |
|---|-----------------------|
| 1 | On street |
| 2 | Off street - driveway |
| 3 | In garage |
| 8 | Don't know |
| 9 | Refused |

CNTV1 If vehicle used during travel day – Day 1

Value	Label
-------	-------

- | | |
|---|-----|
| 1 | Yes |
| 2 | No |

O_CNTV1 If vehicle not used during travel day- Why not? – Day 1

CNTV2 If vehicle used during travel day – Day 2

Value	Label
-------	-------

- | | |
|---|-----|
| 1 | Yes |
| 2 | No |

O_CNTV2 If vehicle not used during travel day- Why not? – Day 2

PLACE DATA

MPO MPO Code
1 CMAP
2 NIRPC

SURVEY Survey Type
1 1-day
2 2-day

SAMPN HH ID Number
PERNO Person ID Number
DAYNO Day Number
PLANO Trip Number
LOCNO Location Reference # (link to location file for address information)

TPURP Primary Trip purpose
Value Label
1 Working at home (for pay)
2 All other home activities
3 Work/Job
4 All other activities at work
5 Attending class
6 All other activities at school
7 Change type of transportation/transfer
8 Dropped off passenger from car
9 Picked up passenger
10 Other, specify - transportation
11 Work/Business related
12 Service Private Vehicle
13 Routine Shopping
14 Shopping for major purchases
15 Household errands
16 Personal Business
17 Eat meal outside of home
18 Health Care
19 Civic/Religious Activities
20 Recreation/Entertainment
21 Visit Friends/Relatives
24 Loop trip
97 Other, specify

O_TPURP Other Primary Trip purpose

TPUR2 Other activities

TPUR3 Other activities

TPUR4 Other activities

Value	Label
1	Working at home (for pay)
2	All other home activities
3	Work/Job
4	All other activities at work
5	Attending class
6	All other activities at school
7	Change type of transportation/transfer
8	Dropped off passenger from car
9	Picked up passenger
10	Other, specify - transportation
11	Work/Business related
12	Service Private Vehicle
13	Routine Shopping
14	Shopping for major purchases
15	Household errands
16	Personal Business
17	Eat meal outside of home
18	Health Care
19	Civic/Religious Activities
20	Recreation/Entertainment
21	Visit Friends/Relatives
97	Other, specify
99	DK/RF

MODE Mode of trip

Value	Label
1	WALK
2	BIKE
3	AUTO / VAN/ TRUCK DRIVER
4	AUTO / VAN / TRUCK PASSENGER
5	CTA BUS - GO TO TRANSIT ROSTER
6	CTA TRAIN - GO TO TRANSIT ROSTER
7	PACE BUS - GO TO TRANSIT ROSTER
8	METRA TRAIN - GO TO TRANSIT ROSTER
9	PRIVATE SHUTTLE BUS
10	DIAL-A-RIDE/PARATRANSIT
11	SCHOOL BUS
12	TAXI
14	Local Transit (NIRPC region)
15	More than one transit provider (each trip's provider detailed in transit file)
97	OTHER (SPECIFY)
98	DON'T KNOW
99	REFUSED

O_MODE Other mode type

TOTTR Total traveling

HHMEM Number of household members on trip

PER1 Person on trip

PER2 Person on trip

PER3 Person on trip

PER4 Person on trip

PER5 Person on trip

NONHH Non household member

If Mode = Auto Driver or Auto Passenger

VHTNO Vehicle number used

Value	Label
97	Non household vehicle

DYGOV Out of vehicle

Value	Label
1	YES
2	NO

PRKTY Park (if got out of vehicle at location other than home)

Value	Label
1	PRIVATE PARKING LOT/GARAGE
2	PUBLIC PARKING LOT/GARAGE
3	STREET
4	DRIVEWAY
7	OTHER (SPECIFY)
8	Don't know
9	Refused

O_ PRKTY Park, other

PAYPK Paid to park (if got out of vehicle at location other than home)

Value	Label
1	Yes
2	No
9	DK/RF

PKAMT Park amount (if paid to park)

PKBAS Amount paid to park, units (if paid to park)

Value	Label
1	PER HOUR
2	PER DAY
3	PER WEEK
4	PER MONTH
5	PER SEMESTER
6	PER YEAR
8	DK
9	RF

HFWLK Distance to destination

WKUNT Distance to destination

Value	Label
1	Blocks
2	Miles
3	Minutes
7	Other (specify)
9	DK/RF

EXPTL Trip made on an expressway or tollway? (asked of all drivers and for passengers with hhmem=0)

Value	Label
1	Expressway
2	Tollway
3	Both expressway and tollway
4	None of the above
7	Other (specify)
9	DK/RF

TOLLS Payment in tolls (if EXPTL=2 or 3)

HPTOL Method of payment

Value Label

- 1 Cash
- 2 IPASS (Electronic payment with transponder)
- 3 Both cash and IPASS
- 4 None of the above
- 7 Other (specify)
- 9 DK/RF

O_HPTOL Method of payment (Other)

If Mode = Transit (Mode=5 through 8, 14, 15)

HMBUS How many buses or trains used

CRAVL Was car available for this trip?

9 DK/RF

If Mode = 9, 10, 12

FARE How much did you pay for this trip?

998 DK/RF

All Records

ARR_HR Arrival time hour

ARR_MIN Arrival time minutes

DEP_HR Departure time hour

DEP_MIN Departure time minutes

TRPDUR Trip Duration (Calculated based on travel times) – All places after place 1.

ACTDUR Activity Duration (Calculated based on arrival and departure times)

DIST Straightline distance from origin to destination (not available for Place 1 as that is the trip anchor and origin for the first trip).

TRANSIT ROSTER DATA

MPO MPO Code
1 CMAP
2 NIRPC

SURVEY Survey Type
1 1-day
2 2-day

SAMPN HH ID Number
PERNO Person ID Number
DAYNO Day Number
PLANO Trip Number
TRNNO Transit Segment Number

MODE Transit used
Value Label
5 CTA BUS
6 CTA TRAIN
7 PACE BUS
8 METRA TRAIN/SOUTH SHORE
14 NIRPC Service Area Provider

WHBR Board

O_ WHBR Board Other

VALUE	NAME		
		1886	Schaumburg/Northwest Transportation Center
1852	Aurora Transportation Center	1887	South Holland
1853	Buffalo Grove Transportation Center	1888	Romeo Center Plaza (Romeoville Park-
1854	Chicago Heights Transfer Center	N-Ride	
1855	Elgin Transportation Center	1889	First Baptist Church of Geneva
1856	Gurnee Mills Transfer Facility	1890	Chicago Ridge Mall
1857	Harvey Transportation Center	1891	Jewel (Bolingbrook)
1858	Northwest Transportation Center	1892	Community Christian Church, Naperville
1859	Prairie Stone Transportation Center	1893	59TH STREET
1860	United Parcel Service Bus Terminal	1894	63RD STREET
1861	Arlington Heights Metra	1895	75TH STREET
1862	Clarendon Hills Metra	1896	79TH STREET
1863	Deerfield Metra	1897	83RD STREET
1864	Des Plaines Metra	1898	115TH STREET
1865	Forest Park CTA Station	1899	HOMWOOD
1866	Highland Park Metra	1900	RICHTON PARK
1867	Homewood Metra	1901	WRIGHTWOOD
1868	Lake Cook Road Metra	1902	ASHBURN
1869	North Riverside Park Mall Turnaround	1903	OAK LAWN
1870	Oak Park CTA/Metra	1904	PALOS PARK
1871	Palatine Metra	1905	UNION STATION
1872	Park Forest Turnout	1906	WILLOW SPRINGS
1873	Riverdale Bus Turnaround	1907	CICERO
1874	South Suburban College	1908	CLYDE
1875	Summit CTA/Pace	1909	BERWYN
1876	Waukegan Metra	1910	BROOKFIELD
1877	Blue Island	1911	CONGRESS PARK
1878	Bolingbrook/IL 53 & I-55	1912	LA GRANGE ROAD
1879	Bolingbrook Town Center	1913	STONE AVENUE
1880	Buffalo Grove	1914	WESTERN SPRINGS
1881	Burr Ridge/I-55 & County Line	1915	WESTMONT
1882	Elk Grove/I-90 & Arlington Heights Road	1916	MAIN ST DOWNERS GR
1883	Harvey	1917	OAK PARK
1884	Hillside/West Point Plaza	1918	RIVER FOREST
1885	Homewood/Washington Square		

1919	ELMHURST	1981	PARK RIDGE
1920	VILLA PARK	1982	DEE ROAD
1921	WINFIELD	1983	LIBERTYVILLE
1922	WEST CHICAGO	1984	BARRINGTON
1923	MONTCLAIRE	1985	MCHENRY
1924	ELMWOOD PARK	1986	CRYSTAL LAKE
1925	RIVER GROVE	1987	CARY
1926	MEDINAH	1988	WOODSTOCK
1927	HANOVER PARK	1989	HARVARD
1928	BARTLETT	1990	NATIONAL ST ELGIN
1929	ELGIN	1991	SCHAUMBURG
1930	EDISON PARK	1992	ROSELLE
1931	DES PLAINES	1993	ITASCA
1932	CUMBERLAND	1994	WOOD DALE
1933	MT. PROSPECT	1995	BENSENVILLE
1934	ARLINGTON HEIGHTS	1996	MANNHEIM
1935	ARLINGTON PARK	1997	FRANKLIN PARK
1936	PALATINE	1998	MARS
1937	FOX RIVER GROVE	1999	GALEWOOD
1938	MAYFAIR	2000	HANSON PARK
1939	EDGEBROOK	2001	CRAGIN
1940	GOLF	2002	HERMOSA
1941	LAKE FOREST	2003	WHEATON
1942	LONG LAKE	2004	COLLEGE AVE
1943	INGLESIDE	2005	GLEN ELLYN
1944	FOX LAKE	2006	LOMBARD
1945	WINNETKA	2007	GENEVA
1946	WAUKEGAN	2008	BERKELEY
1947	WINTHROP HARBOR	2009	MELROSE PARK
1948	ZION	2010	MAYWOOD
1949	NORTH CHICAGO	2011	BELLWOOD
1950	GREAT LAKES	2012	KEDZIE
1951	LAKE BLUFF	2013	LISLE
1952	LAKE FOREST	2014	BELMONT
1953	FORT SHERIDAN	2015	FAIRVIEW AVENUE
1954	HIGHWOOD	2016	WEST HINSDALE
1955	HIGHLAND PARK	2017	HINSDALE
1956	RAVINIA	2018	CLARENDON HILLS
1957	BRAESIDE	2019	HIGHLAND
1958	GLENCOE	2020	HOLLYWOOD
1959	HUBBARD WOODS	2021	RIVERSIDE
1960	INDIAN HILL	2022	HARLEM
1961	KENILWORTH	2023	LA VERGNE
1962	WILMETTE	2024	WESTERN
1963	CENTRAL - EVANSTON	2025	HALSTED
1964	DAVIS ST- EVANSTON	2026	RANDOLPH STREET
1965	MAIN ST - EVANSTON	2027	VAN BUREN STREET
1966	ROGERS PARK	2028	ROOSEVELT
1967	RAVENSWOOD	2029	18TH STREET
1968	ROUND LAKE	2030	23RD STREET
1969	GRAYSLAKE	2031	27TH STREET
1970	DEERFIELD	2032	SUMMIT
1971	NORTHBROOK	2033	LEMONT
1972	GLENVIEW	2034	LOCKPORT
1973	MORTON GROVE	2035	NEW LENOX
1974	FOREST GLEN	2036	MOKENA
1975	IRVING PARK	2037	CHICAGO RIDGE
1976	GRAYLAND	2038	WORTH
1977	HEALY	2039	ORLAND PARK
1978	JEFFERSON PARK	2040	143RD ST
1979	GLADSTONE PARK	2041	TINLEY PARK (80TH)
1980	NORWOOD PARK	2042	MIDLOTHIAN

2043	ROBBINS	2105	Mundelein
2044	GRESHAM	2106	Prairie Crossing
2045	BRAINERD	2107	Round Lake Beach
2046	91ST	2108	Lake Villa
2047	95TH	2109	Antioch
2048	PRARIE	2110	BIG TIMBER
2049	BURR OAK	2111	LAKE-COOK ROAD
2050	BLUE ISLAND	2112	CLYBOURN
2051	ASHLAND	2113	CNW STATION
2052	123RD	2114	LaSalle Street
2053	119TH	2115	WESTERN
2054	115TH	2116	BRYN MAWR
2055	GIVINS	2117	STONY ISLAND
2056	111TH	2118	JOLIET
2057	107TH	2119	Austin-Congress
2058	103RD	2120	Harlem-Lake
2059	103RD	2121	Pulaski-Lake
2060	99TH	2122	Quincy/Wells
2061	95TH STREET	2123	Davis
2062	RACINE	2124	Belmont-O'Hare
2063	WEST PULLMAN	2125	Jackson/Dearborn
2064	STEWART RIDGE	2126	Sheridan
2065	STATE STREET	2127	Damen-Ravenswood
2066	87TH STREET	2128	Morse
2067	91ST STREET	2129	35th/Archer
2068	95TH STREET	2130	51st
2069	103RD STREET	2131	Skokie
2070	107TH STREET	2132	Pulaski-Douglas
2071	111TH STREET	2133	LaSalle/Van Buren
2072	91ST STREET	2134	Ashland-Lake
2073	87TH STREET	2135	Oak Park-Congress
2074	83RD STREET	2136	Sox-35th-Dan Ryan
2075	79TH STREET	2137	Randolph/Wabash
2076	WINDSOR PARK	2138	Damen
2077	SOUTH SHORE	2139	Western-Congress
2078	47TH STREET	2140	Cumberland
2079	56TH STREET	2141	79th
2080	53RD STREET	2142	Kedzie-Homan-Congress
2081	OAK FOREST	2143	State/Lake
2082	TINLEY PARK	2144	Main
2083	HEGEWISCH	2145	Central-Lake
2084	HAMMOND	2146	Ashland/63rd
2085	137TH STREET	2147	Indiana
2086	144TH STREET	2148	Western-Midway
2087	147TH STREET	2149	Division/Milwaukee
2088	HARVEY	2150	Grand/State
2089	HAZEL CREST	2151	Berwyn
2090	CALUMET	2152	UIC-Halsted
2091	FLOSSMOOR	2153	Southport
2092	OLYMPIA FIELDS	2154	Washington/Dearborn
2093	211TH STREET	2155	Clark/Lake
2094	MATTESON	2156	Forest Park
2095	UNIVERSITY PARK	2157	Noyes
2096	AURORA	2158	Roosevelt/Wabash
2097	NAPERVILLE	2159	Cicero-Douglas
2098	ROUTE 59	2160	Clinton-Congress
2099	O'Hare Transfer	2161	California-Douglas
2100	Prospect Heights	2162	95th/Dan Ryan
2101	Wheeling	2163	Merchandise Mart
2102	Buffalo Grove	2164	Racine
2103	Prairie View	2165	Cicero-Lake
2104	Vernon Hills	2166	Grand/Milwaukee

2167	Washington/State	2230	Kedzie-Ravenswood
2168	Garfield-South Elevated	2231	Jarvis
2169	Foster	2232	Argyle
2170	Diversey	2233	Wellington
2171	Wilson	2234	Fullerton
2173	Jackson/State	2235	47th-Dan Ryan
2174	California/Milwaukee	2236	Addison-O'Hare
2175	54th/Cermak	2237	Central-Evanston
2176	Damen/Milwaukee	2238	Austin-Lake
2177	Kostner	2239	43rd
2178	Ridgeland	2240	Jefferson Park
2179	Clark/Division	2241	Kimball
2180	Madison/Wabash	2242	Loyola
2181	North/Clybourn	2243	Paulina
2182	Armitage	2244	Belmont-North Main
2183	Western/Milwaukee	2245	Montrose-O'Hare
2184	Adams/Wabash	2246	LaSalle
2185	Dempster	2247	Oak Park-Lake
2186	Laramie	2248	California-Lake
2187	Chicago/Franklin	2249	Bryn Mawr
2188	East 63rd-Cottage Grove	2250	Roosevelt/State
2189	Washington/Wells	2251	Chicago/Milwaukee
2190	Western-Douglas	2252	Addison-North Main
2191	Harlem-O'Hare	2253	87th
2192	Granville	2254	Addison-Ravenswood
2193	Lawrence	2255	Chicago/State
2194	Central Park	2256	Irving Park-Ravenswood
2195	Monroe/Dearborn	2257	Western-Ravenswood
2196	Sedgwick	2258	Harrison
2197	Illinois Medical District	2259	Montrose-Ravenswood
2198	Rosemont	2260	Lake/State
2199	18th	2261	Conservatory
2200	South Boulevard	2262	Ogilvie
2201	Library	2263	Millenium
2202	Francisco	2264	East Chicago
2203	Thorndale	2265	Dune Park – South Shore
2204	O'Hare Airport	2266	Miller Station – South Shore
2205	Howard	2267	Carroll Avenue Station
2206	63rd-Dan Ryan	2268	South Bend Station
2207	Pulaski-Congress	2269	57 th Ave Station – South Shore
2208	Midway Airport	2270	Gary Metro Station
2209	Halsted/63rd	2271	South Chicago 93 rd Street
2210	Pulaski-Midway	2272	Portage/Ogden s
2211	Cicero-Congress	2299	La Fox Station
2212	Harlem-Congress	2300	Pingress Station
2213	69th	2301	Rosemont Station
2214	Cermak-Chinatown	2302	North Glenview Station
2215	Rockwell	2303	Palos Heights Station
2216	Logan Square	2304	Hickory Creek Station
2217	Polk	2305	McCormick Place Station
2218	Kedzie-Douglas	2306	Ivanhoe Station
2219	Linden	2307	Eleventh Street Station
2220	Ashland-Midway	3001	Millennium Station
2221	Kedzie-Lake		
2222	47th-South Elevated		
2223	Monroe/State		
2224	35-Bronzeville-IIT		
2225	Halsted-Midway		
2226	King Drive		
2227	Kedzie-Midway		
2228	Clinton-Lake		
2229	Garfield-Dan Ryan		

BSNA Station/Bus Name
BSIN Nearest Intersection
BRDT Time you boarded

RONA Route name
998 DK/RF

BAV_STATUS Boarding location – geocoding status

Value	Label
M	Matched to X/Y coordinate
P	Matched by interviewer to location using Navteq Point of Interest file
U	Unmatched

BXCORD Boarding location x-coordinate

BYCORD Boarding location y-coordinate

BFIPS Boarding location County code

Value	Label
17031	Cook County, IL
17043	DuPage County, IL
17063	Grundy County, IL
17089	Kane County, IL
17093	Kendall County, IL
17097	Lake County, IL
17111	McHenry County, IL
17197	Will County, IL
18089	Lake County, IN
18091	LaPorte County, IN
18127	Porter County, IN

BGEOCITY Boarding location – city geocodes associated with

BGEOSTATE Boarding location – state geocodes associated with

BGEOCNTY Boarding location – county geocodes associated with

BGEOZIP Boarding location – zip code geocodes associated with

BAV_ADD Boarding location – address geocodes associated with

BTRACT Boarding location – tract geocodes associated with

PAYF Pay Fare

Value	Label
0	FREE
1	TRANSIT CARD (ELECTRONIC FARE MEDIA)
2	CHICAGO CARD (SPECIFIC TYPE OF ELECTRONIC FARE MEDIA THAT I
3	CASH OR SINGLE RIDE TICKET
4	MULTIPLE RIDE PUNCH TICKET (USUALLY 10 OR 25 RIDES)
5	MONTHLY PASS OR 30-DAY PASS
6	TRANSFER
7	OTHER (SPECIFY)
8	DK
9	RF

O_PAYF Pay fare other

IF PAYF is between 1 and 7:

WTFR Fare Type

Value	Label
1	Full or regular fare
2	Reduced or half fare
7	Other type of fare (specify)
8	DK
9	RF

IF TRNNO=1:

IGRE Board Mode

Value	Label
1	Walked
2	Biked
3	Drove and parked
4	Was dropped off
7	Other, specify
8	DK

O_ IGRE Board Mode-Other

IF IGRE=3,4:

IGEX Boarded exactly at station/stop

Value	Label
1	Exactly at Station/Stop
2	Some other place

IF IGEX=2:

INPN Place where you boarded

IGXS Nearest Intersection

IGCT City of this place

IF IGRE=1,2:

IGFR Distance to bus/train by walk/bike

IGUN Distance to bus/train (walk/bike units)

Value	Label
1	blocks
2	miles
3	minutes
7	other, specify

IF IGRE=3:

IGPY – Where did you park?

- 1 PRIVATE PARKING LOT/GARAGE
- 2 PUBLIC PARKING LOT/GARAGE
- 3 STREET
- 7 OTHER (SPECIFY)
- 8 DON'T KNOW
- 9 REFUSED

IGPA – Did you pay to park?

- 1 Yes
- 2 No
- 9 DK/RF

IF IGPA=1:

IGPT – How much did you pay to park?

IGPU – Parking cost units

Value	Label
1	PER HOUR
2	PER DAY
3	PER WEEK
4	PER MONTH
5	PER SEMESTER
6	PER YEAR
8	DK
9	RF

ALL CASES:

EGRE Destination mode

Value	Label
1	Walked
2	Biked
3	Drove and parked
4	Was dropped off
5	Transferred
7	Other, specify
8	DK

O_EGRE Other, destination mode

IF EGRE<5 or EGRE=7:

EGPN Destination place name – **SEE WHBR FOR CODES**

O_EGPN Destination place name- Other

EGNA Destination Station/Stop name

EGXS Destination cross streets

EGCT Destination city

EGFR Distance destination mode

IF EGRE=1,2:

EGUN Distance destination mode- units

Value	Label
1	blocks
2	miles
3	minutes
7	other, specify

FAV_STATUS Alighting location – geocoding status

Value	Label
M	Matched to X/Y coordinate
P	Matched by interviewer to location using Navteq Point of Interest file
U	Unmatched

FXCORD Alighting location x-coordinate

FYCORN Alighting location y-coordinate

FFIPS Alighting location County code

Value	Label
17031	Cook County, IL
17043	DuPage County, IL
17063	Grundy County, IL
17089	Kane County, IL
17093	Kendall County, IL
17097	Lake County, IL
17111	McHenry County, IL
17197	Will County, IL
18089	Lake County, IN
18091	LaPorte County, IN
18127	Porter County, IN

FGEOCITY Alighting location – city geocodes associated with

FGEOSTATE Alighting location – state geocodes associated with

FGEOCNTY Alighting location – county geocodes associated with

FGEOZIP Alighting location – zip code geocodes associated with

FAV_ADD Alighting location – address geocodes associated with

FTRACT Alighting location – tract geocodes associated with

FLAG1 Station Code in WHBR (boarding location) is the same as that for EGPN (egress location)

Value	Label
1	Yes

FLAG2 MODE inconsistent with Station Code

Value	Label
6	Mode is "8" (METRA) but should be "8" (CTA Rail)
8	Mode is a "6" (CTA Rail) but should be "8" (Metra)

LOCATION DATA

MPO MPO Code
1 CMAP
2 NIRPC

SURVEY Survey Type
1 1-day
2 2-day

LOCNO Unique location identifier (all locnos beginning with a "9" are respondent home addresses)

AV_STATUS Arcview Status
Value Label
'M' Matched
'O' Out of area
'U' Unmatched

TRACT Census tract
FIPS County fips
Value Label
17031 Cook County, IL
17043 DuPage County, IL
17063 Grundy County, IL
17089 Kane County, IL
17093 Kendall County, IL
17097 Lake County, IL
17111 McHenry County, IL
17197 Will County, IL
18089 Lake County, IN
18091 LaPorte County, IN
18127 Porter County, IN

Public_x Centroid of Census Tract of Location

Public_y Centroid of Census Tract of Location

FLAG Indicator that Home Census Tract was merged with a neighboring tract to prevent identification

APPENDIX C: RECRUITMENT INTERVIEW

Travel Tracker Survey Recruitment Interview

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 or other special programming notes.
- 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.

INTRODUCTION

Hi –I’m calling on behalf of CMAP, the Chicago Metropolitan Agency for Planning. We’re putting together a new plan for guiding future growth and transportation investment in the greater Chicago region. As part of this plan, we’re reaching out to residents of [MUNICIPALITY/COUNTY] to participate in our “Travel Tracker” survey of your daily transportation habits. Sharing this information helps us plan future transportation improvements that will best serve your needs.

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

ADULT ON PHONE: The data collected through this survey will be used to identify and prioritize future transportation needs. Your participation is voluntary, and your answers will be completely confidential. Please answer as many questions as you are able.

Screeners Questions – asked of everyone

S1. Have I reached you on a cell phone? (Yes/No – If Yes, is there a different number where you’d rather I reach you?)

S2. [IF ADVLET=9] Do you remember receiving a letter about this study?

- 1 YES
- 2 NO
- 9 DK/RF

S3 And my records show that you live in [COUNTY] county. Is this correct?

- 1 YES
- 1 NO
- 9 DK/RF

S4 IF NO TO S3: In which county do you live? [CTFIP]

- 1 COOK
- 2 DUPAGE
- 3 GRUNDY
- 4 KANE
- 5 KENDALL
- 6 LAKE
- 7 MCHENRY
- 8 WILL
- 97 OTHER (SPECIFY) --> TERMINATE AS OUT OF AREA
- 98 DON'T KNOW --> TERMINATE
- 99 REFUSED --> TERMINATE

S5 Does anyone in your household ride the bus or train at least once a week? [RIBUS]

- 1 YES
- 2 NO
- 9 DK/RF

S6 Does anyone in your household walk or bike to work or school at least once a week? [WABIK]

- 1 YES
- 2 NO
- 9 DK/RF

S7 [IF HH NOT IN CITY OF CHICAGO] How often do you or other household members drive into Chicago for personal or business reasons on a weekday?

- 0 NEVER/NOT AT ALL
- 1 LESS THAN ONCE A MONTH
- 2 AT LEAST ONCE A MONTH BUT LESS THAN ONCE A WEEK
- 3 1-2 TIMES PER WEEK
- 4 3+ TIMES PER WEEK
- 9 DK/RF

S8 Does anyone in your household travel more than 100 miles a day throughout the region as part of their job?

- 1 YES
- 2 NO
- 9 DK/RF

V1 And how many motor 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. [HHVEH]

ENTER NUMBER
98...DON'T KNOW
99...REFUSED

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

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.

ENTER NUMBER
98...DON'T KNOW
99...REFUSED

H1a How many of those people depend on you or other household adults to assist them in their daily activities and travel? [PDEPN]

ENTER NUMBER
98...DON'T KNOW
99...REFUSED

Thank you. 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/48-hour] period. If you could help us with this study, we'd ask you some questions about your household today to make sure that we're talking to all types of households in the region. 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 and activities for the assigned travel period, we call back to collect your information. Everything asked is for research purposes only and will be held in strict confidence.

S8 Are you interested in helping improve the future of transportation in the Chicago region by tracking your travel for this study?

- 1 AGREE TO PARTICIPATE
- 2 REFUSAL – RECORD VERBATIM REMARKS

VEHICLE ROSTER

ZERO VEHICLE HOUSEHOLDS SKIP TO H2

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?

PROGRAMMING NOTE: SHOW MATRIX ON SCREEN

VEH # [VEHNO]	V2 [MAKE]	V3 [MODEL]	V4 [YEAR]
---------------	-----------	------------	-----------

01
02
03
04
05

V5 [IF MAKE OR MODEL IS REFUSED] And is this a/an? [BODY]

- 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

V6 When at home, where is this vehicle typically parked ... [PARKD]

- 1 ON STREET
- 2 OFF STREET -DRIVEWAY, ALLEY WAY, YARD
- 3 IN GARAGE
- 7 SOMEPLACE ELSE (specify)
- 8 DON'T KNOW
- 9 REFUSED

V7 - Does this vehicle have a working cigarette lighter or power outlet? [FOR GPS STUDY PURPOSES ONLY]

- 1 Yes
- 2 No

HOUSEHOLD ROSTER (PART 1)

H2 How many bicycles does your household own and use on a regular basis? [BIKES]

ENTER NUMBER

8...DON'T KNOW

9...REFUSED

H3 Which best describes your home? [RETY]

1 One-family house detached from any other house

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

3 Building with 2 or more apartments [CONDO, APARTMENT, ETC]

7 Or something else? SPECIFY

9 REFUSED

H4 Is your home owned or rented? [OWN]

1 OWNED/MORTGAGED

2 RENTED

7 OTHER - SPECIFY

9 REFUSED

H5 How long have you lived at this location? [HLIVE]

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 (H5<3), ASK H6, ELSE SKIP TO H10

H6 Where did you live before this? [BFCIT]

CITY, STATE, ZIP

H7 And what type of house was that? [BFHOM]

1 One-family house detached from any other house

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

3 Building with 2 or more apartments [CONDO, APARTMENT, ETC]

7 Or something else? SPECIFY

9 REFUSED

H12 Since we are conducting this survey by telephone, I have some questions about the telephones in your household. How many cellular telephone numbers do members of your household have? [CPLNS]

_____ 9REFUSED

H13 [IF H12>0: Not counting the cellular phones,] How many home telephone numbers does your household have? This includes only land-lines or those hard wired to your house but excludes cellular phones. [PHLNS]

_____ 9 REFUSED

H14 [IF H13>1] How many of these hard-wired telephone numbers, if any, are dedicated to a FAX machine or modem? [FXLNS]

_____ 9 REFUSED

H20 And to ensure your household properly represents others in the region, can you tell me if your total household income for 2006 was above or below \$50,000? [INCA]

H20a [IF BELOW \$50,000] Is it above or below \$20,000?

If below \$20,000, INCOME=1

[IF AT OR ABOVE \$20,000] Is it above or below \$35,000?

\$20,000 - < \$35,000, INCOME=2

\$35,000 - < \$50,000, INCOME=3

H20b [IF \$50,000 OR ABOVE] Is it above or below \$75,000?

[IF BELOW \$75,000] Is it above or below \$60,000?

IF BELOW \$60,000, INCOME=4

IF \$60,000 OR ABOVE, INCOME=5

[IF \$75k OR ABOVE], 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: [INCRF]

- 1 \$0 - \$19,999
- 2 \$20,000 - \$34,999
- 3 \$35,000 - \$49,999
- 4 \$50,000 - \$59,999
- 5 \$60,000 to \$74,999
- 6 \$75,000 to \$99,999
- 7 \$100,000 or more
- 9 REFUSED

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] Not including yourself, what's the first name of the oldest person?
What's the name of the next oldest person in the household?
What's the first name of the next oldest person?

P1 What is this person's gender? [GEND]

- 1 MALE
- 2 FEMALE
- 9 REFUSED

P2 What is this person's age? [AGE]

____ [enter in years]

98 98 or older

99 DON'T KNOW/ REFUSED

P3 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? [AGEB]

- 1 UNDER 16
- 2 AGE 16+
- 9 DK/RF

P4 Are you Hispanic or Latino? [HISP]

- 1 YES
- 2 NO
- 9 REFUSED

P5 And what is your race? [RACE]

- 1 White
- 2 Black or African American
- 3 American Indian or Alaska Native
- 4 Asian
- 7 or some other race? SPECIFY
- 9 REFUSED

P6 Does NAME have any type of disability that affects your ability to travel? [DISAB]

- 1 YES
- 2 NO
- 1 DK/RF

P7 IF YES: What type of disability is that? [DTYPE]

- 1 LIMITED MOBILITY (WHEELCHAIR, CANE/WALKER)
- 2 BLIND/VISUAL
- 3 DEAF/HEARING IMPAIRED
- 4 MENTALLY DISABLED
- 7 OTHER (SPECIFY)
- 8 DON'T KNOW
- 9 REFUSED

P7a [IF P6=YES] To what extent does/do he/she/you require assistance when he/she/you travel? Would you say its ... [TWEXT]

- 1 Not at all?
- 2 For a portion of each trip?
- 3 For the entire trip?
- 9 DK/RF

P7b [IF P6=YES] And does this person have any of the following? MULTIPLE RESPONSE [DSLIC]

- 1 a disabled license plate or mirror hangtag
- 2 A registration to use special transit services for persons with disability
- 3 NONE OF THE ABOVE
- 7 OTHER (SPECIFY)
- 9 DK/RF

PROGRAMMER NOTE: IF UNDER AGE 16, SKIP TO P13

P8 Does NAME have a valid driver's license? [LIC]

- 1 YES
- 2 NO
- 9 DK/RF

P9 Are you employed, either full-time or part-time? [EMPLY]

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

P10 [IF P9>2] Does NAME do any type of volunteer work on a regular basis? [VOLUN]

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

P11 [IF P9>2 AND P10>1] Which of the following best describes NAME's status? [PRIMA]

- 1 Retired,
- 2 Temporarily Disabled / On Disability Status [TEMPORARILY NOT WORKING]
- 3 Permanently Disabled [PERMANENTLY NOT WORKING]
- 4 Homemaker,
- 5 Unemployed but looking for work,
- 6 Unemployed and not looking for work, or
- 7 A Student?
- 97 OTHER (specify)
- 99 REFUSED

WORK-RELATED DATA – AGE 16 AND OLDER AND P9<3 OR P10=1 (REST SKIP TO SCHOOL SECTION)
--

If P10=1 read:

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

W1 How many jobs does NAME have? Please include all paid and volunteer positions that he/she works on a regular basis. [JOBS]

_____ # 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.

W2. What is your/his/her occupation? [OCCUP]

VERBATIM

W3 I'm going to read a list of different industries. Please tell me which one best describes this person's employer:

- 1 Manufacturing
- 2 Transportation, , utilities, or warehousing
- 3 Communications (MADE ITS OWN CHOICE CODE)
- 4 Retail
- 5 Service
- 6 Government, or
- 7 Other (specify)

IF W3=5 ask, "Is that ..."

- 1 Finance and insurance
- 2 Real estate, rental or leasing
- 3 Professional, scientific, or technical services
- 4 Management of companies or enterprises
- 5 Administrative support, waste management or remediation services
- 6 Educational services
- 7 Health care or social assistance
- 8 Arts, entertainment or recreation
- 9 Accommodation or food services
- 97 Or other services (specify)

W4 We're interested in [workplace/volunteer] locations because travel to [work/volunteer] activity often affects other daily activities and travel. What is the name of this person's [employer/volunteer location]? [WNAME]

- 1 SELF-EMPLOYED (SPECIFY BUSINESS / COMPANY NAME)
- 7 OTHER (SPECIFY BUSINESS / COMPANY NAME)
- 9 DK/RF

W5 At what location does this person normally [work/volunteer]? [WLOC]

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 OUTSIDE HOME, GET NON-HOME ADDRESS

IF NEEDED: WE ARE NOT GOING TO CONTACT YOU THERE. WE'RE 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 WHERE WORKED LAST WEEK
- 8 DON'T KNOW
- 9 REFUSED

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

PROGRAMMER NOTE: THIS SHOULD ALL BE COLLECTED ON SAME SCREEN,

ADDR: what is the street address of that place? (ADDRESS, CITY, STATE, ZIP)

[ASK THIS ONLY IF THE ADDRESS DOESN'T GEOCODE ON SCREEN] MAJOR

INTERSECTION: What is the nearest major intersection to that place?

[ASK THIS ONLY IF THE ADDRESS DOESN'T GEOCODE ON SCREEN] REFERENCE

POINT: And is there a nearby business or place of interest to help us locate it on a map?

W6 How many days a week do you typically go to work at this address? [WDAYS]
ANSWER 1 to 7

W7 [IF W5>1] How does this person normally get to work/their volunteer activity? [WMODE]

- 1 WALK
- 2 BIKE
- 3 AUTO / VAN/ TRUCK DRIVER
- 4 AUTO / VAN / TRUCK PASSENGER
- 5 CTA BUS
- 6 CTA TRAIN
- 7 PACE BUS
- 8 METRA TRAIN/SOUTH SHORE RAILROAD
- 9 PRIVATE SHUTTLE BUS
- 10 DIAL-A-RIDE/PARATRANSIT
- 12 TAXI
- 97 OTHER (SPECIFY)
- 98 DON'T KNOW
- 99 REFUSED

W8 Does NAME's job require you/him/her to have a personal vehicle available while at work? [PERVH]
1 YES
2 NO
9 DK/RF

W9 [IF W5>1] 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." [TELEW]
1 YES
2 NO
8 DON'T KNOW
9 REFUSED

W10 [IF W9=1] About how often do you/does NAME work at home instead of traveling to your/his/her
usual workplace? [WHOME]
Would you say:
1 Almost every day,
2 Once a week or more,
3 One a month or more
4 A few times a year, or
5 Once a year
8 DK
9 REFUSED

W11 Which of the following statements best describes your work schedule? [SCHED]
1 I have no flexibility in my work schedule
2 I have some flexibility in my work schedule
3 I'm pretty much free to adjust my schedule as I like
9 DK/RF

SCHOOL-RELATED DATA – ASK OF ALL HH MEMBERS
--

C1 What is the highest degree or level of school you've completed? [EDUCA]
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)
3 Some college credit but no degree
4 Associate or technical school degree
5 Bachelor's or undergraduate degree
6 Graduate degree (includes professional degree like MD, DDs, JD)
7 OTHER, SPECIFY
9 DK/RF

C2 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? [STUDE]
1 YES – FULL TIME
2 YES – PART TIME
3 NO
9 DK/RF

C3 What school grade or level does this person attend? [SCHOL]

- 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

C4 Where is it located? [SLOC]

- 1 HOME
- 2 ADDRESS OBTAINED – OBTAIN NAME FIRST
- 9 DK/RF

C5 What is the name of that school? LOOK UP LIST. [SNAME]

C6 ENTER THE STREET ADDRESS OF THIS PERSON'S SCHOOL – ALL ON ONE SCREEN (IF FROM LOOK-UP LIST, CONFIRM ADDRESS)

Address _____
City _____
State _____
ZIP: _____

C7 How does this person normally get to school? SKIP IF S6=1 [SMODE]

- 1 WALK
- 2 BIKE
- 3 AUTO / VAN/ TRUCK DRIVER
- 4 AUTO / VAN / TRUCK PASSENGER
- 5 CTA BUS
- 6 CTA TRAIN
- 7 PACE BUS
- 8 METRA TRAIN/SOUTHSHORE RAILROAD
- 9 PRIVATE SHUTTLE BUS
- 10 DIAL-A-RIDE/PARATRANSIT
- 11 SCHOOL BUS
- 12 TAXI
- 97 OTHER (SPECIFY)
- 98 DON'T KNOW
- 99 REFUSED

HOUSEHOLD ROSTER PART 2

D1 Understanding your household's travel and activities is very important for improving transportation in your area. We will send you a log for each member of your household to keep track of your [travel and activities for [24-hours/48-hours – will vary for each program but is not a merge field] on [DAYS AND DATES]].

Is this okay?

1 Yes

2 No – Well, lets try a different time. How about [ALT DAY AND DATE].

ENTER ASSIGNMENT NUMBER

2007 Master Travel Schedule – no blackout dates

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

MAILING ADDRESS HERE

D4 Is this also where you live? IF NOT, OBTAIN PHYSICAL 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 and activities]/[activities] 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 [travel and activities]/[activities], 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.

GPS REQUEST

If (1) totveh>0 AND

(2) 1st 3 vehicles all have functioning cigarette lighters AND

(3A) S7=4 OR

(3B) S8=1

G1 In addition to asking everyone to record their travel information, we're selecting a handful of households to help test the use of Global Positioning System, or GPS, technology, in conducting travel surveys. If selected, we would deliver the GPS devices to you, as well as pick them up. All you would need to do is plug the device into your car's cigarette lighter or power outlet. This does not harm your vehicle or affect its performance in any way. Once you plug it in, there's nothing else to do. The process is very simple and the results of this test can lead to improved travel studies in the future. If selected, will you help us with this? [DOGPS]

1 YES

2 NO – GO TO THANK

G2 May I have a **daytime** phone number where I can reach you if your household is selected to participate in the GPS portion of the project? [GDTPH]

1 This number

2 Different number ____ - ____ - ____

IF G2 = 2

G3 Is This number is your: [DTPH2]

1 Work number

2 Cell phone number

3 Other (specify)

CONCLUSION

Thank you for participating in the Travel Tracker 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 D: RETRIEVAL INTERVIEW

Chicago Travel Tracker Survey Place-Based Retrieval Questionnaire

INTRODUCTION

Hi – this is _____ and I'm calling about the Travel Tracker Survey. We recently spoke with [informant] and are calling back now to complete the interview.

E1. You are [informant's name or initials]. [INDICATE IF TRIP INFORMATION IS BEING PROVIDED BY THE INFORMANT OR BY PROXY. [CHKPX]

INFORMANT 1
PROXY 2

E2. Last week, we spoke with you about the travel and activity survey and sent you a log to record your travel and activities on [ASSN]. 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.

E3 In general, would you say that ASSN [was a/were] typical day(s) for you? [TYPDY]
 Yes/No – if no, why not?

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

T1. Now I'd like to talk about the travel and activities [this person] recorded in the log we sent. Did [NAME] complete the travel log? [CMPLG]

- 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.

BEGIN TRIP COLLECTION – REPEAT FROM HERE FOR DAY 2

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

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

OTHERWISE: Where did you go next?

- 1 HOME
- 2 WORK
- 3 SCHOOL
- 4 PREVIOUSLY ENTERED PLACE
- 5 NEW PLACE – IN AREA
- 6 NEW PLACE – IN STATE (TREAT AS IN-AREA)
- 7 NEW PLACE – OUT OF STATE = OUT OF AREA (OBTAIN CITY AND STATE)

LOCATION NAME: What was that place?

ADDR: What is the street address of that place? And the city? Is that in Illinois? Do you know the zip code?

ASK ONLY IF NOT SUCCESSFUL IN ON-LINE GEOCODING:

MAJOR INTERSECTION: What is the nearest major intersection to this location?

REFERENCE: Is there a store or other location nearby that would help us to locate this place on a map?

T5 [IF PLANO>1] Did you/NAME make any stops along your travel to [home/work/school/this place], such as a quick errand, to stop for fuel, pick up 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

T6 What time did you arrive there? MILITARY TIME [ARRTM]

T7 TRIP DURATION CALCULATED

T8. How did you get there? [MODE]

- 1 WALK
- 2 BIKE
- 3 AUTO / VAN/ TRUCK DRIVER
- 4 AUTO / VAN / TRUCK PASSENGER
- 5 CTA BUS → GO TO TRANSIT ROSTER
- 6 CTA TRAIN → GO TO TRANSIT ROSTER
- 7 PACE BUS→ GO TO TRANSIT ROSTER
- 8 METRA TRAIN/SOUTH SHORE RAILROAD
- 9 PRIVATE SHUTTLE BUS
- 10 DIAL-A-RIDE/PARATRANSIT
- 11 SCHOOL BUS
- 12 TAXI
- 97 OTHER (SPECIFY)
- 98 DON'T KNOW
- 99 REFUSED

FOR ALL TRIPS (REGARDLESS OF MODE) [TOTTR]

T9 How many others traveled with<YOU2 >? NOT INCLUDING THIS RESPONDENT

T10 [IF T9 >0] Of these, how many were household members?

T11 [IF T10>0] Who were the household members (enter PERNO)

T12 COMPUTE NON-HH MEMBERS

IF AUTO:

- A1 Which vehicle did<YOU >use? [VHTNO]
ENTER HH VEH NUMBER OR 99 FOR NON-HH VEHICLE
- A2 Did you get out of your vehicle? [IF PLACE IS NOT HOME] [DYGOV]
1 YES
2 NO [would be appropriate for dropping off passengers, drive throughs, etc.]
- A3 [IF A2=1] Where did you park? [IF PLACE IS NOT HOME] [PRKTY]
1 PRIVATE PARKING LOT/GARAGE
2 PUBLIC PARKING LOT/GARAGE
3 STREET
7 OTHER (SPECIFY)
8 DON'T KNOW
9 REFUSED
- A4 [LONG] Did you pay to park? [PAYPK]
1 YES
2 NO
9 DK/RF
- A5 [IF A4=1] How much did you pay to park? [PKAMT]
Amount per unit
- A6 [IF A2=1] How far did you walk from where you parked to your destination? [HFWLK]
___ blocks
___ miles
___ minutes
Other (specify)
- A7 Was any portion of this trip made on an expressway or tollway? [EXPTL]
1 EXPRESSWAY
2 TOLLWAY
3 BOTH EXPRESSWAY AND TOLLWAY
4 NONE OF THE ABOVE
7 OTHER (SPECIFY)
9 DK/RF
- A8 [IF A7=2 OR 3] How much did you pay in tolls? [TOLLS]
Amount
- A9 [IF A7=2 OR 3] How did you pay? [HPTOL]
1 CASH
2 IPASS (ELECTRONIC PAYMENT WITH TRANSPONDER)
3 BOTH CASH AND IPASS
4 NONE OF THE ABOVE
7 OTHER (SPECIFY)
9 DK/RF

IF TRANSIT:

- R1 How many buses or trains did you use to make this trip? [HMBUS]
IF ONE → R2
IF > 1 → SKIP TO R11

IF ONLY ONE BUS/TRAIN USED TO GET TO THIS PLACE

R2 [IF R1=1] Which type of transit did you take? [MODE]

- 5 CTA BUS
- 6 CTA TRAIN
- 7 PACE BUS
- 8 METRA TRAIN/SOUTH SHORE RAILROAD

R3 Where did you board MODE? [WHBR]

STATION NAME or BUS STOP FROM LIST OR GET NEAREST INTERSECTION

R4 What time did you board? [BRDT]

R5 What was the route/line? (LIST) [ROUTE]

R10a How did you pay your fare for this trip? [PAYF]

- 0 FREE
- 1 TRANSIT CARD (ELECTRONIC FARE MEDIA)
- 2 CHICAGO CARD (SPECIFIC TYPE OF ELECTRONIC FARE MEDIA THAT IS RECHARGEABLE)
- 3 CASH OR SINGLE RIDE TICKET
- 4 MULTIPLE RIDE PUNCH TICKET (USUALLY 10 OR 25 RIDES)
- 5 MONTHLY PASS OR 30-DAY PASS
- 6 TRANSFER
- 7 OTHER (SPECIFY)
- 8 DON'T KNOW
- 9 REFUSED

R19A [IF R19>0] [WTFR]

Was that a:

- 1 Full or regular fare?
- 2 Reduced or half fare?
- 7 Other type of fare (specify)
- 8 DON'T KNOW
- 9 REFUSED

R6 How did you get to this MODE? [IGRE]

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

R7 [IF R6=1 OR 2 or 4] How far did you WALK/BIKE to get to the bus or train [FROM WHERE YOU WERE DROPPED OFF IF R6=4 AND NOT DROPPED OFF EXACTLY AT STATION]? [IGEX]

- ___ blocks
- ___ miles
- ___ minutes
- Other (specify)

R8a IF R6=3 Where did you park? [INPN]

- 4 PRIVATE PARKING LOT/GARAGE
- 5 PUBLIC PARKING LOT/GARAGE
- 6 STREET
- 7 OTHER (SPECIFY)
- 8 DON'T KNOW
- 9 REFUSED

R8b [IF R6=3 How much did you pay to park? [IGPY]
Amount per unit

R9 And when you got off this bus or train, how did you get to your destination? [EGRE]

- 1 Walked
- 2 Biked
- 3 Drove and parked –COLLECT PLACE NAME, CROSS STREETS, CITY – OR INDICATE IF EXACTLY AT STATION/STOP
- 4 Was dropped off – COLLECT PLACE NAME, CROSS STREETS, CITY – OR INDICATE IF EXACTLY AT STATION/STOP
- 5 TRANSFERRED → NOT A SINGLE VEHICLE TRIP – GO TO R11
- 7 Other (specify)

R10 [IF R9=1 OR 2] How far did you WALK/BIKE to get to that place? [EGFR]

- ___ blocks
- ___ miles
- ___ minutes
- Other (specify)

END SINGLE VEHICLE TRANSIT TRIP → GO TO R19

BEGIN MULTIPLE VEHICLE TRANSIT TRIP - CONTINUE UNTIL ALL TRANSFERS ACCOUNTED FOR

R11 [FOR EACH VEHICLE USED ON TRIP] What was the first bus or train you took? And the next?
STORE AS MODE1, MODE2, MODE3, MODE4, MODE5.

- 5 CTA BUS
- 6 CTA TRAIN
- 7 PACE BUS
- 8 METRA TRAIN

CONTINUE UNTIL ALL QUESTIONS ASKED FOR ALL TRANSIT VEHICLES

R12 Where did you board MODEX?

STATION NAME or BUS STOP FROM LIST. IF NOT ON LIST, OBTAIN CROSS STREETS, LANDMARK AND CITY

R13 What time did you board it?

R14 What was the route/line? (LIST)

MOVED UP AND REVISED: R19 How did you pay your fare for this trip?

- 0 FREE
- 1 TRANSIT CARD (ELECTRONIC FARE MEDIA)
- 2 CHICAGO CARD (SPECIFIC TYPE OF ELECTRONIC FARE MEDIA THAT IS RECHARGEABLE)
- 3 CASH OR SINGLE RIDE TICKET
- 4 MULTIPLE RIDE PUNCH TICKET (USUALLY 10 OR 25 RIDES)
- 5 MONTHLY PASS OR 30-DAY PASS
- 6 TRANSFER
- 7 OTHER (SPECIFY)

- 8 DON'T KNOW
- 9 REFUSED

R19A [IF R19>0] Was that a
 3 Full or regular fare?
 4 Reduced or half fare?
 7 Other type of fare (specify)
 8 DON'T KNOW
 9 REFUSED

R15 [FOR MODE1 ONLY] How did you get to this MODEX?
 1 Walked
 2 Biked
 3 Drove and parked –COLLECT PLACE NAME, CROSS STREETS, CITY – OR INDICATE IF EXACTLY AT STATION/STOP
 4 Was dropped off – COLLECT PLACE NAME, CROSS STREETS, CITY – OR INDICATE IF EXACTLY AT STATION/STOP
 5 TRANSFER – BACK UP AND GET 1ST BUS/TRAIN
 7 Other (specify)
 [FOR MODE2, MODE3, MODE4, MODE5, DON'T ASK – SELECT 5="TRANSFER"]

MOVED ORDER TO BE CONSISTENT WITH SINGLE RIDE TRIP: R16 [IF R15=1 OR 2 or 4] How far did you WALK/BIKE to get to the bus [FROM WHERE YOU WERE DROPPED OFF IF R15=4 AND NOT DROPPED OFF EXACTLY AT STATION]? ANY WAY OF ANSWERING IS FINE – JUST OBTAIN QUANTITY

___ blocks
 ___ miles
 ___ minutes
 Other (specify)

R15a IF R15=3 ~~and~~ Where did you park?
 1 PRIVATE PARKING LOT/GARAGE
 2 PUBLIC PARKING LOT/GARAGE
 3 STREET
 7 OTHER (SPECIFY)
 8 DON'T KNOW
 9 REFUSED

R15b [IF R15=3 How much did you pay to park?
Amount per unit (round amount to nearest whole dollar)

R17 [ASK IF FINAL BUS/TRAIN OF TRIP, ELSE SELECT "5" AND CONTINUE] And when you got off this MODEX, how did you get to your destination?
 1 Walked
 2 Biked
 3 Drove and parked –COLLECT PLACE NAME, CROSS STREETS, CITY – OR INDICATE IF EXACTLY AT STATION/STOP
 4 Was dropped off – COLLECT PLACE NAME, CROSS STREETS, CITY – OR INDICATE IF EXACTLY AT STATION/STOP
 5 TRANSFER – not valid for 1st train/bus
 7 Other (specify)

R18 [IF R17=1 OR 2] How far did you WALK/BIKE to get to that place? ANY WAY OF ANSWERING IS FINE – JUST OBTAIN QUANTITY

- ___ blocks
- ___ miles
- ___ minutes
- Other (specify)

CONTINUE UNTIL ALL TRANSFERS ACCOUNTED FOR

R20 Did you have an automobile available to you when you chose to make this trip by bus or train?
[CRAVL]

- 1 YES
- 2 NO
- 9 REFUSED

IF MODE=9, 10, OR 12

M1 How much did you pay for this trip? [FARE]
Amount per unit

T14. What was<YOUR >your main activity there? [TPURP]

T15 And what else did you do there? [TPURP]

AT MY HOME:

- 1 WORKING AT HOME (for pay)
- 2 ALL OTHER AT HOME ACTIVITIES

AT MY WORK/VOLUNTEER LOCATION:

- 3 WORK/JOB
- 4 ALL OTHER ACTIVITIES AT WORK

AT MY SCHOOL:

- 5 ATTENDING CLASS
- 6 ALL OTHER ACTIVITIES AT SCHOOL

WHILE TRAVELING

- 7 CHANGE TYPE OF TRANSPORTATION/TRANSFER
- 8 DROPPED OFF PASSENGER FROM CAR
- 9 PICKED UP PASSENGER FROM CAR
- 10 OTHER - SPECIFY

AT OTHER PLACES

- 11 WORK/BUSINESS RELATED
- 12 SERVICE PRIVATE VEHICLE (GAS, OIL LUBE, ETC)
- 13 ROUTINE SHOPPING (GROCERIES, CLOTHING, CONVENIENCE STORE, HH MAINTENANCE)
- 14 SHOPPING FOR MAJOR PURCHASES OR SPECIALTY ITEMS (APPLIANCES, ELECTRONICS, NEW VEHICLE, MAJOR HH REPAIRS)
- 15 HOUSEHOLD ERRANDS (BANK, DRY CLEANING, ETC.)
- 16 PERSONAL BUSINESS (VISIT GOVERNMENT OFFICE, ATTORNEY, ACCOUNTANT)
- 17 EAT MEAL OUTSIDE OF HOME
- 18 HEALTH CARE (DOCTOR, DENTIST)
- 19 CIVIC/RELIGIOUS ACTIVITIES
- 20 RECREATION/ENTERTAINMENT
- 21 VISIT FRIENDS/RELATIVES
- 97 OTHER, SPECIFY

T18. IF LAST PLACE OF THE DAY, ENTER 0259 OTHERWISE: What time did<YOU >leave for the next place? ENTER IN MILITARY TIME [DEPTM]

IF REPORTED NO TRAVEL

T20. So,<YOU >made no trips, including for work or school? [NOGO]

TRUE: Why not? (USE LIST)

PERSONALLY SICK 01

CARETAKING SICK KIDS 02

CARETAKING SICK OTHER 03

HOME-BOUND ELDERLY OR DISABLED 04

WORKED AT HOME FOR PAY 05

WORKED AROUND HOME (NOT FOR PAY) 06

OUT OF AREA 07

OTHER, SPECIFY 97 O

FALSE OBTAIN TRAVEL

IF 48-HOUR SURVEY, REPEAT FOR DAY 2
--

[LONG] **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? [CNTV]

1 YES

2 NO

9 REFUSED

APPENDIX E: VARIABLE LISTS

Household File

Variable	Position	Label	Type	Column Width	Missing
mpo	1	Project	Numeric	8	
survey	2	Type of survey	Numeric	8	
source	3	Source of survey	Numeric	8	
rectype	4	Recruitment type	Numeric	8	
partial	5	Partial Households	Numeric	8	
sampn	6	Sample Number (unique identifier)	Numeric	8	
strata	7	Strata	Numeric	20	
hhaddr	8	Household Address reference number	Numeric	20	
lang	9	Language	Numeric	24	
assn	10	Travel Day	Numeric	20	
day	11	Day of the week of travel day	Numeric	24	
ctfip	12	County fips code	Numeric	20	
ribus	13	Does anyone in your household ride the bus or train at least once a week?	Numeric	8	9
wabik	14	Does anyone in your household walk or bike to work or school at least once a week?	Numeric	8	9
hhveh	15	Household Vehicles	Numeric	8	98, 99
hhsiz	16	Household Size	Numeric	8	98, 99
pdepn	17	Dependents	Numeric	5	98, 99
bikes	18	# Bicycles Owned	Numeric	8	8, 9
resty	19	Which best describes your home?	Numeric	31	9
o_resty	20	If other, specify	Character	30	
own	21	Is your home owned or rented?	Numeric	8	9
o_own	22	If other, specify	Character	30	
hlive	23	How long have you lived at this location?	Numeric	8	9
bfcity	24	If less than 2 years, prior city	Numeric	50	
bfsta	25	If less than 2 years, prior state	Numeric	2	
bfzip	26	If less than 2 years, prior zip	Numeric	5	
bfhom	27	If less than 2 years, prior home type	Numeric	5	9
o_bfhom	28	If other, specify	Character	30	
cplns	29	# Cell Phones in HH	Numeric	8	9
phlns	30	# Landline Phone Lines in HH	Numeric	8	9
fxlns	31	# Landline Fax Lines in HH	Numeric	8	9
incom	32	Household Income	Numeric	15	9
hhwrk	33	# HH Workers	Numeric	8	
hhstu	34	# HH Students	Numeric	8	
htrips1	35	# HH Trips - Day 1	Numeric	20	
htrips2	36	# HH Trips - Day 2	Numeric	8	
hhlic	37	# Licensed Drivers in HH	Numeric	8	

Person File

Variable	Position	Label	Type	Column Width	Missing
mpo	1	Project	Numeric	8	
survey	2	Type of Survey	Numeric	8	
sampn	3	Person Sample Number (unique identifier)	Numeric	8	
perno	4	Person Number (unique identifier within household)	Numeric	5	
wadd	5	Work address (unique identifier to location file)	Numeric	5	
sadd	6	School address (unique identifier to location file)	Numeric	8	
gend	7	What is this person's gender?	Numeric	8	9
age	8	Mean	Numeric	5	99
ageb	9	Age if refused	Numeric	8	9
hisp	10	Are you Hispanic or Latino?	Numeric	5	9
race	11	What is your race?	Numeric	5	9
o_race	12	If other, specify	Character	26	
disab	13	Does this person have any type of disability that affects his/her ability to travel?	Numeric	8	9
dtype	14	What type of disability is that?	Numeric	8	8, 9
o_dtype	15	If other, specify	Character	26	
twext	16	To what extent does this person require assistance when he/she travels?	Numeric	8	9
dslic1	17	Does this person have any of the following? MULTIPLE RESPONSE	Numeric	20	9
dslic2	18	Does this person have any of the following? MULTIPLE RESPONSE	Numeric	20	9
o_dslic	19	If other, specify	Character	26	
lic	20	Does this person have a valid driver's license?	Numeric	5	9
employ	21	Is this person employed?	Numeric	5	9
volun	22	Does this person do any type of volunteer work on a regular basis?	Numeric	5	9
works	23	Does this person work?	Numeric	20	
wkstat	24	Which of the following best describes this person's status?	Numeric	20	99
o_wkstat	25	If other, specify	Character	26	
jobs	26	How many jobs does this person have?	Numeric	5	
occup	27	If other, specify	Character	26	
ind1	28	Occupation Type	Numeric	20	
o_ind1	29	If other, specify	Character	26	
ind5	30	Service Industry	Numeric	20	
o_ind5	31	If other, specify	Character	26	
wloc	32	What is the location of this person's workplace?	Numeric	5	8, 9
wdays	33	How many days does this person typically go to work at this address?	Numeric	8	
wmode	34	How does this person normally get to work?	Numeric	5	98, 99
o_wmode	35	If other, specify	Character	26	
pervh	36	Does this person's job require him/her to have a personal vehicle	Numeric	8	9

		available while at work?			
telew	37	Does this person's employer allow him/her to work from home for pay on a regular basis?	Numeric	8	8, 9
whome	38	About how often does this person work at home instead of traveling to his/her usual workplace?	Numeric	8	8, 9
sched	39	Which of the following best describes your workplace?	Numeric	8	9
educa	40	What is the highest degree or level of school this person has completed?	Numeric	5	9
o_educa	41	If other, specify	Character	26	
stude	42	Is this person currently enrolled in any type of school?	Numeric	20	9
schol	43	What school grade or level does this person attend?	Numeric	5	99
o_schol	44	If other, specify	Character	26	
sloc	45	Where is this person's school located?	Numeric	5	9
smode	46	How does this person normally get to school?	Numeric	21	98, 99
o_smode	47	If other, specify	Character	26	
typdy	48	In general, would you say that ASSN was a typical day for you?	Numeric	5	8, 9
o_typdy	49	If other, specify	Character	26	
typpl	50	Was most of your day planned in advance?	Numeric	5	8, 9
o_typpl	51	If other, specify	Character	26	
cmplg	52	Did this person complete the travel log?	Numeric	5	8, 9
intrv	53	Interviewed in person?	Numeric	24	9
proxy	54	If INTRV=2, Which household member served as proxy?	Numeric	24	
ptrips1	55	# Person Trips Day 1	Numeric	5	
ptrips2	56	# Person Trips Day 2	Numeric	8	
nogo1	57	Reason for not travel - Day 1	Numeric	20	
o_nogo1	58	If other, specify	Character	26	
nogo2	59	Reason for not travel - Day 2	Numeric	8	
o_nogo2	60	If other, specify	Character	26	

Vehicle File

Variable	Position	Label	Type	Column Width	Missing
mpo	1	Project	Numeric	8	
survey	2	Type of Survey	Numeric	8	
sampn	3	Vehicle sample number	Numeric	8	
vehno	4	Vehicle number	Numeric	5	
year	5	Year of vehicle	Numeric	6	
make	6	Vehicle make	Numeric	5	
o_make	7	If other, specify	Character	26	
model	8	Vehicle Model	Character	26	
body	9	Vehicle body	Numeric	5	99
o_body	10	If other, specify	Character	26	
parkd	11	Where vehicle is parked	Numeric	8	8, 9
o_parkd	12	If other, specify	Character	26	
cntv1	13	If vehicle used during travel day 1	Numeric	20	
o_cntv1	14	If No, specify	Character	26	
cntv2	15	If vehicle used during travel day 2	Numeric	8	
o_cntv2	16	If No, specify	Character	26	

Place File

Variable	Position	Label	Type	Column Width	Missing
mpo	1	Project	Numeric	8	
survey	2	Type of Survey	Numeric	8	
sampn	3	HH ID Number	Numeric	8	
perno	4	Person ID Number	Numeric	5	
dayno	5	Day Number	Numeric	6	
plano	6	Trip Number	Numeric	5	
locno	7	Location Reference #	Numeric	8	
tpurp	8	Primary Trip Purpose	Numeric	8	
o_tpurp	9	If other, specify	Character	26	
tpur2	10	Other activities	Numeric	8	
tpur3	11	Other activities	Numeric	20	
tpur4	12	Other activities	Numeric	20	
o_tpur2	13	If other, specify	Character	26	
mode	14	Mode of Trip	Numeric	8	
o_mode	15	If other, specify	Character	26	
tottr	16	Total Traveling	Numeric	8	
hhmem	17	Household Members	Numeric	8	
per1	18	Person on trip	Numeric	20	
per2	19	Person on trip	Numeric	20	
per3	20	Person on trip	Numeric	20	
per4	21	Person on trip	Numeric	20	
per5	22	Person on trip	Numeric	20	
nonhh	23	Non-Household Members	Numeric	8	
vhtno	24	Vehicle number used	Numeric	20	
dygov	25	Got out of vehicle	Numeric	8	
prkty	26	Parking Location	Numeric	8	8, 9
o_prkty	27	If other, specify	Character	26	
paypk	28	Paid to park	Numeric	10	9
pkamt	29	If other, specify	Character	8	
pkbas	30	Amount paid to park, units	Numeric	8	8, 9
hfwlk	31	Distance to destination	Numeric	8	
wkunt	32	Distance to destination	Numeric	8	9
o_wkunt	33	If other, specify	Character	26	
exptl	34	Type of Road Traveled on	Numeric	8	9
o_exptl	35	If other, specify	Character	26	
tolls	36	Toll Amount Paid	Numeric	8	
hptol	37	Method of payment	Numeric	8	9
o_hptol	38	If other, specify	Character	26	
hmbus	39	# Transit Vehicles	Numeric	5	
cravl	40	Car Available if Transit?	Numeric	5	9
fare	41	Fare Paid (vehicle for hire)	Numeric	8	998.00
arr_hr	42	Arrival time hour	Numeric	20	
arr_min	43	Arrival time minutes	Numeric	20	
dep_hr	44	Departure time hour	Numeric	20	
dep_min	45	Departure time minutes	Numeric	20	
trpdur	46	Trip Duration	Numeric	8	
actdur	47	Activity Duration	Numeric	8	
distance	48	Trip Distance	Numeric	8	

Transit File

Variable	Position	Label	Type	Column Width
mpo	1	MPO Code	Numeric	22
survey	2	Survey Type	Numeric	22
sampn	3	HH ID Number	Numeric	22
perno	4	Person ID Number	Numeric	22
dayno	5	Day Number	Numeric	22
plano	6	Place Number	Numeric	22
trnno	7	Transit Trip Number	Numeric	22
mode	8	Transit Mode	Numeric	22
whbr	9	Where Board	Numeric	26
o_whbr	10	If other, specify	Character	26
bsna	11	Station/Bus Name	Numeric	26
bsin	12	Nearest Intersection	Character	26
brdt	13	Time Boarded	Numeric	26
rona	14	Route Name	Character	26
bav_status	15	Boarding Location geocoding status	Numeric	26
bxcord	16	Boarding x-coordinate	Numeric	22
bycord	17	Boarding y-coordinate	Numeric	22
bfips	18	Boarding county code	Numeric	22
bgeocity	19	Boarding city	Character	26
bgeostate	20	Boarding state	Character	26
bgeocnty	21	Boarding county	Character	26
bgeozip	22	Boarding zip	Numeric	22
bav_add	23	Boarding - geocoded address	Numeric	26
btract	24	Boarding - tract	Numeric	22
payf	25	Pay Fare	Numeric	22
o_payf	26	If other, specify	Character	26
wftr	27	Fare Type	Numeric	22
o_wftr	28	If other, specify	Character	26
igre	29	Boarding Mode	Numeric	22
o_igre	30	If other, specify	Character	26
igex	31	Boarded exactly at stop	Numeric	22
inpn	32	Place where boarded	Character	26
igxs	33	nearest intersection	Character	26
igct	34	city	Character	26
igfr	35	distance to transit by walk/bike	Numeric	22
igun	36	Distance to transit (units)	Numeric	22
o_igun	37	If other, specify	Character	26
igpy	38	Where parked	Numeric	22
o_igpy	39	If other, specify	Character	26
igpa	40	How much paid to park	Numeric	22
igpt	41	Parking cost units	Numeric	26
igpu	42	If other, specify	Character	22
egre	43	Egress mode	Numeric	22
o_egre	44	If other, specify	Character	26
egpn	45	Egress Location	Numeric	26
o_egpn	46	If other, specify	Character	26
egna	47	Egress station name	Character	26
egxs	48	Egress cross streets	Character	26
egct	49	Egress city	Character	26
egfr	50	Distance from egress to destination	Numeric	22

egun	51	Distance in units	Numeric	22
o_egun	52	If other, specify	Character	26
fav_status	53	Egress - geocoding status	Numeric	26
fxcord	54	Egress - x coordinate	Numeric	22
fycord	55	Egress - y coordinate	Numeric	22
ffips	56	Egress - fips	Numeric	22
fgeocity	57	Egress - geocoded city	Character	26
fgeostate	58	Egress - geocoded state	Character	26
fgeocnty	59	Egress - geocoded county	Character	26
fgeozip	60	Egress - geocoded zip	Numeric	22
fav_add	61	Address for Egress geocodes	Character	26
ftract	62	Egress -tract	Numeric	22

Location File

Variable Information

Variable	Position	Label	Measurement Level	Column Width
mpo	1	MPO Region	Numeric	10
survey	2	Survey Type	Numeric	10
locno	3	Location Identifier	Numeric	10
av_status	4	Geocoding Status	Character	10
tract	5	Tract	Character	10
fips	6	County	Numeric	10
public_x	7	Centroid - x coordinate	Numeric	10
public_y	8	Centroid - y coordinate	Numeric	10

Variables in the working file

APPENDIX F: EDIT CHECK PROGRAM DETAIL

All Files:

- Verify that the values for each data item are valid (i.e., within the required range).
- Variables that have a possible value of “Other, specify,” only have data in the corresponding open-end field when the variable equals that value.
- Spelling of all open-ended variables is correct.
- Post-code all open-ended responses to valid values when possible.

Household File:

- The number of household persons that depend on others to assist them in their daily activities and travel is completed for all household sizes greater than one and is at most one less than total household size.
- If the time lived at the current location is less than two years, then the variables relating to previous residence must be completed.
- Each household must have at least one cell phone or one landline telephone number.
- The number of fax or modem phone lines is completed when the total number of landline telephone numbers is greater than one and must be less than or equal to the total number of landlines.

Person File:

- Person numbers are sequential and inclusive.
- If the person’s age is refused, the variable indicating whether or not the person is at least sixteen years old must be completed.
- One, and only one, member of each household must have data on Hispanic origin and race.
- If reported to have a disability, the variables associated with disability type must be answered.
- If at least sixteen years of age, the driver’s license variable and employment variables must be completed.
- If not employed, the volunteer variable must have data.
- If neither employed nor a volunteer, the work status variable must have data.
- If employed or a volunteer, all work variables must be completed.
- If in the service industry, information on what part of the service industry must be completed.
- If work at non-home location, mode to work and telecommuting variables must be completed.
- If a student, all school variables must have data.
- If school at non-home location, mode to school must be completed.
- If age is between six and sixteen, must have school information.
- If age is under sixteen, education status must be twelfth grade or less.
- If age is under sixteen or not a licensed driver, work mode or school mode cannot be automobile driver.
- If interviewed, must have data on whether travel day was typical and planned.
- If not interviewed, must have proxy information.
- If age is less than fourteen years old, must have a proxy.
- If person has no travel on travel day, reason must be provided.

Place File:

- Place numbers are sequential and inclusive.

- Consistency between reported travel among household members for travel times, location, party size, and travel modes.
- Consistency in reports of dropping off or picking up household members.
- Trip purposes must be appropriate for the place type.
- Additional trip purposes do not equal primary trip purpose.
- If travels to same location as previous trip, purpose must be “looptrip.”
- If primary trip purpose equals “looptrip,” must have an appropriate additional trip purpose.
- For origin place, there must be no mode information and arrival time must be 3:00am.
- All places after origin must have mode information and trip duration of at least one minute.
- All modes must have information on total number of people traveling together.
- The number of household members traveling plus the number of non-household members traveling must equal the total number traveling minus one.
- The number of household members traveling must equal the persons reported.
- For automobile driver and passenger modes, the vehicle number must be collected.
- For non-home places with auto modes, the variables associated with getting out of the vehicle and parking information must have values.
- If auto paid to park, amount and units must be completed.
- For auto drivers, as well as passengers who are traveling without any other household members, the toll road variables must be completed.
- If used a toll road, amount paid must be collected.
- If mode is automobile passenger, there must be at least one other person reported traveling in the party.
- For transit modes, the number of buses/trains used and car availability must have values.
- For taxi, shuttle buses, and Dial-a-Ride modes, fare information must be completed.
- Trip duration equals the arrival time minus the departure time of the previous place.
- Activity time equals the departure time minus the arrival time of that place.
- Departure time of the last place for each person must equal 2:59am.
- If last location is not home, confirm that trips are not missing.
- The sum of the trip durations and activity durations for each person on each travel day equals 1,439 minutes.

Location File:

- All household addresses are matched.
- All matched locations must have all geocoding variables completed.
- All locations must have a geocoding status.

Vehicle File:

- Vehicle numbers are sequential and inclusive.
- If the make or model is refused, the body type must have a value.
- If vehicle is flagged as not being used on travel day, there must be a reason collected.

Transit File:

- Transit trip numbers are sequential and inclusive.
- All boarding locations, other than refusals, must have geocoding status.
- If boarding location is “Other, specify,” then nearest intersection must be collected.
- All matched boarding and alighting locations must have all geocoding variables completed.
- For all transit payments that aren’t free, information on the type of fare must be completed.

- For the first bus/train used on transit trip, information on mode to the origin station/stop must be completed.
- If automobile driver or passenger to first bus/train, information on parking location and cost must be completed.
- If walked or biked to first bus/train, information on distance traveled must be collected.
- If bus/train is not final used on the transit trip, egress mode must be transfer.
- If bus/train is the final used on transit trip, egress mode cannot equal transfer.
- For non-transfer egress modes, egress location information must be collected.
- For walk or bike egress modes, information on distance to travel to final destination must be completed.
- All egress locations, other than refusals, must have geocoding status.
- If egress location is "Other, specify," then city and nearest intersection must be completed.

Household-Person:

- Person records exist for each household in the household file.
- There are no person records for sample numbers that don't appear in the household file.
- Number of persons indicated in the household file must equal the number reported in the person file.
- Number of workers indicated in the household file must equal the number reported in the person file.
- Number of students indicated in the household file must equal the number reported in the person file.
- Number of licensed drivers indicated in the household file must equal the number reported in the person file.
- Number of trips reported for each day in the household file must equal the sum of the number of person trips in the household.

Household-Location:

- All household addresses must be present in the location file.
- County in the household file equals the home location county in the location file.

Household-Place:

- Records exist for all completed households.
- There are no trip records for sample numbers that don't appear in the household file.
- Number of household trips for both travel days indicated in the household file must equal the number reported in the trip file.
- There must be trip information for each household member indicated in the household file, unless the household follows the criteria of a partial complete.

Household-Vehicle:

- Vehicle records exist for each household reporting at least one vehicle.
- There are no vehicle records for sample numbers that don't appear in the household file, or where the household file reports zero vehicles.
- Number of vehicles indicated in the household file must equal the number reported in the vehicle file.

Person-Location:

- All work and school locations are present in location file.
- Work name in person file equals location name for the work location.
- School name in person file equals location name for the school location.

Person-Place:

- All persons indicated in person file must have trip information, unless the household follows the required criteria of a partial complete.
- The number of trips taken on each travel day must equal the number reported in the person file.
- A person less than sixteen years old, or without a valid driver's license, cannot have a mode of automobile driver.
- An employed person doing work activity must be at the place indicated in the person file as their work address.
- A student doing school activities must be at the place indicated in the person file as their school address.
- A person who is not employed cannot be doing work activities in the trip file.
- A person who is not a student cannot be doing school activities in the trip file.
- Persons who report no trips in the person file must have one row in the trip file starting at 3:00am and ending at 2:59am.

Vehicle-Place:

- For all household vehicles not used in the trip file, there should be a reason indicated in the vehicle file.
- Except for non-household vehicles, the trip file should only report vehicle numbers present in the vehicle file.

Location-Place:

- Every trip has a valid location that is present in the location file.

Place-Transit:

- All trips reported in the trip file with a transit mode must appear in the transit file.
- The transit file should only contain information on trips where a transit mode was reported.
- The total number of records in the transit file for each place must equal the total number of buses/trains reported in the trip file.
- The mode reported in the trip file must match the mode(s) indicated in the transit file.