

**2001 National Household Travel Survey,  
New York Add-On**

**Ithaca MPO**

**May 2004**

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CD-ROM including all tables in Microsoft Excel 2000		





# I NTRODUCTION

Policymakers rely on transportation statistics, including data on personal travel behavior, to formulate strategic transportation policies, and to improve the safety, security, and efficiency of the U.S. transportation system. Data on personal travel trends are needed to examine the reliability, efficiency, capacity, and flexibility of the Nation's transportation system to meet current demands and accommodate future demands; to assess the feasibility and efficiency of alternative congestion-alleviating technologies (e.g., designated truck lanes, intelligent vehicle and highway systems); to evaluate the merits of alternative transportation investment programs; and to assess the energy-use and air-quality impacts of various policies.

To address these data needs, the U.S. Department of Transportation (DOT) initiated an effort in 1969 to collect detailed data on personal travel. The 1969 survey was the first Nationwide Personal Transportation Survey (NPTS). The survey was conducted again in 1977, 1983, 1990, 1995, and 2001. The 2001 survey was renamed the National Household Travel Survey (NHTS); and was co-sponsored by three DOT agencies: Federal Highway Administration, Bureau of Transportation Statistics, and National Highway Traffic Safety Administration. The primary objective of the survey was to collect trip-based data on the nature and characteristics of **personal travel**. Detailed information was collected on daily and longer-distance travel for all purposes by all modes. Commercial and institutional travel was not part of the survey.

New York State purchased additional sampling of households in the 2001 NHTS, increasing the sample sizes within its planning areas. The increased sample sizes provided additional data for more reliable transportation planning. The final sample size for New York State was 13,423 usable households.

## **WHO IS INCLUDED**

Similar to the previous surveys, the 2001 NHTS collected travel data from the civilian, non-institutionalized population of the United States. People living in medical institutions, prisons, and in barracks on military bases were excluded from the sample. However, telephone numbers in dormitory rooms, fraternity, and sorority houses were included so long as no more than 10 people shared the same telephone number. Prior to 2001, all household members age 5 or older were eligible to be interviewed in NPTS surveys. To improve the completeness of travel data, the 2001 NHTS survey enumerated travel taken by all household members regardless of the age. For children ages 5 through 13, an adult member of the household reported for them.

## **HOW THE DATA WERE COLLECTED**

The NHTS was conducted as a telephone survey, using Computer-Assisted Telephone Interviewing technology. The sample was a list-assisted telephone number sample. Each household in the sample was assigned a specific 24-hour “Travel Day” and a four-week “Travel Period” for which detailed data on all travel were collected.

The households were first contacted by an advance letter containing a monetary incentive to participate, followed by a telephone interview about a week later. After the first telephone interview where household characteristics were collected, travel diaries were mailed to the household, with an additional monetary incentive, so that each household member could record their travel on the assigned Travel Day. Members of the sampled households were contacted by telephone within a six-day window after the designated travel day to record their travel.

The assigned travel period was the four-week period ending with the assigned travel day. The intent was to collect information that is representative of travel across an entire year.

## **WHEN THE DATA WERE COLLECTED**

The 2001 NHTS was conducted over a period from March 19, 2001 through May 9, 2002. Travel data were collected for all seven days of the week, including all holidays. The survey was conducted over a period of at least 12 months so as to include seasonal variations in travel. The 2001 NHTS took 14 months, rather than 12, to complete because the number of trained interviewers working on the project varied throughout the year. To correct for this seasonal variation, sample weighting was developed to specifically address this issue. Each household and person weight was adjusted so that the weighted data reflect an equal number of household and person interviews for each month.

## **SAMPLE SIZES AND WEIGHTED SUMS**

For the state of New York, information was gathered for a total of 13,423 households, 30,268 persons, 23,732 vehicles, and 118,200 trips. NHTS uses weights to expand the sample data to estimates for the entire New York state population. The weights reflect the sample design and selection probabilities, over-sampling of certain strata, and adjustments to compensate for survey non-response and non-coverage. It is absolutely necessary to use the survey weights to properly account for the sample design used for the survey.

The weights are multiplicative factors that must be applied to the file variables in order to obtain valid estimates of population values. If the weights are not used, incorrect estimates will result. For example, the overall number of *unweighted* daily sample trips per household for the state of New York is 8.8, whereas the overall number of *weighted* daily trips per household is 9.5. Sample errors can be magnified and lead to serious inaccuracies when weights are not used in tabulating these data. Table 1 presents the location-specific weighted sums of demographic characteristics and total travel.

## COMPARING 2001 NHTS DATA TO DATA FROM OTHER SOURCES

It is inevitable that the 2001 NHTS data will be compared to data from other sources. For example, the 2001 NHTS data will be compared to data from previous surveys to address questions of whether travel behavior has changed over time, and whether the changes are real or an artifact. Also, the 2001 NHTS data collected from New York residents will be compared to those collected from the rest of the country to determine whether New York residents have similar travel behavior than the rest of the country.

There are two points to remember when comparing 2001 NHTS data to data from other sources. First, one should always use the **weighted** statistics. Second, one should always draw conclusions by taking into account the variability in the data. In general, caution needs to be exercised when comparing estimates based on travel surveys or other sampling approaches. Since the 2001 New York NHTS did not interview every New York resident regarding his/her travel patterns, travel statistics/rates reported in this report are estimated based on data collected from a representative sample of New York residents. Whenever estimates are derived based on data from a sample, they are subject to statistical errors.

A statistical test(s) should be conducted to ascertain whether differences between the 2001 NHTS data and those of previous years (or those of other sources) are real, or within the statistical noise. The following example is used to illustrate such a test. It is estimated that New York residents drove a total of 95,207 million miles in their vehicles (vehicle miles traveled (VMT)) in 2001. This figure was estimated to be 95,571 million miles in 1995. The question then becomes whether this decrease in driving is real or within the sampling errors. To answer this question with a statistical certainty, one needs first to estimate the variances for these VMT estimates. They are  $1,844^2$  million miles in 2001 (denoted by  $\hat{\sigma}_{2001}^2$ ) and  $2,200^2$  million in 1995 (denoted by  $\hat{\sigma}_{1995}^2$ ). If the  $z$  test statistic is less than -1.96 (or greater than 1.96), then we are 95% confident to conclude that the 2001 VMT was actually less than (or greater than) that in 1995. The test statistics is computed as:

$$\begin{aligned} \frac{VMT_{2001} - VMT_{1995}}{\hat{\sigma}_{VMT_{2001}-VMT_{1995}}} &= \frac{VMT_{2001} - VMT_{1995}}{\sqrt{\hat{\sigma}_{2001}^2 + \hat{\sigma}_{1995}^2}} \\ &= \frac{95,207 - 95,571}{\sqrt{1,844^2 + 2,200^2}} = -0.127 \end{aligned}$$

Since -0.127 is greater than -1.96 (i.e., less negative), we are about 95% confident that the decrease in driving from 1995 to 2001 is within the statistical noise.

Alternatively, one could compare the confidence intervals<sup>1</sup> of these *VMT* estimates. If the intervals do not overlap, then one can conclude that the *VMT* difference between the two years is real. However, if the intervals do overlap, then it is not necessarily true that the difference is real. This is because the confidence-interval approach overestimates the standard error of the difference (e.g.,  $VMT_{2001}-VMT_{1995}$ ). Therefore, we recommend that the *z* test be used when comparing 2001 data with data from earlier surveys or from other sources.

Standard errors were calculated for 2001 NHTS estimates on: 1) vehicle occupancy, 2) the total vehicle miles traveled, 3) the total number of vehicle trips, 4) the total person miles traveled, 5) the total number of person trips, and 6) the average length of person trips. All of these estimates are categorized by mode (e.g., car, air, transit) and trip purpose (e.g., to work, religion related activities, shopping). This information is available on the web site:

<http://www.dot.state.ny.us/ttss/index.html>

Similar tables for 1995 NPTS data are also available on this site. If these published tables do not include standard errors for particular 2001 NHTS data, then one can use the web tools on [www.nhts.ornl.gov](http://www.nhts.ornl.gov) to calculate the errors.

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1. Confidence intervals represent a range of values within which the true population parameter is likely to lie with a pre-determined confidence.

Table 1. Summary Statistics on Demographic Characteristics and Total Travel  
 2001 New York NHTS  
 Ithaca MPO

<b>Households</b>	<b>37,072</b>
<b>Persons</b>	<b>85,648</b>
0-4	4,732
5-15	10,147
16-19	4,596
20-29	15,837
30-39	12,238
40-49	13,434
50-59	9,694
60-64	3,588
65+	10,037
Unreported	1,345
<b>Persons</b>	<b>85,648</b>
Male	41,903
Female	43,745
<b>Drivers</b>	<b>64,322</b>
Male	31,757
Female	32,565
<b>Workers</b>	<b>48,973</b>
Male	25,890
Female	23,083
<b>Total Vehicle Trips (000,000)</b>	<b>76</b>
<b>Total Vehicle Miles of Travel (000,000)</b>	<b>622</b>
<b>Total Person Trips (000,000)</b>	<b>134</b>
<b>Total Person Miles of Travel (000,000)</b>	<b>1,057</b>

# **T**RAVEL CONCEPTS

Appendix A contains a full glossary of terms used in this report. However, a few basic terms and concepts need to be introduced before data are presented.

**Person Trip** - A trip by one person in any mode of transportation. This is the most basic and universal measure of personal travel. Each record in the Travel Day and Travel Period files in the NHTS dataset represents one-person trip. An example of this is if two people are traveling together in one car, two person trips are counted. Based on 2001 NHTS data, residents of New York State made an estimated 24,899 million person-trips that year.

**Person Miles of Travel (PMT)** - The number of miles traveled by each person on a trip. An example of this is two people taking a six-mile subway trip to the airport result in 12 person miles of travel. A four-mile van trip with a driver and three passengers counts as 16 person miles of travel.

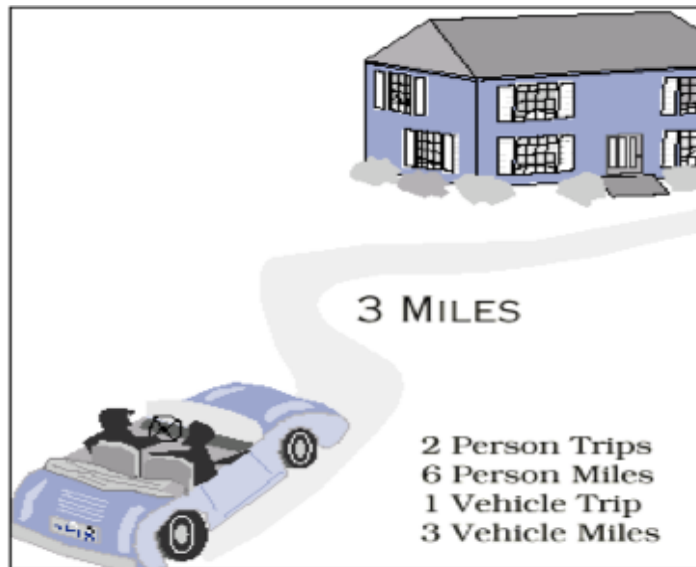
Person-miles are often called passenger miles, particularly in the transit and airline industries. The state of New York had an estimated 194,513 million person-miles of travel during the 2001 NHTS period.

**Vehicle Trip** - A trip by a single privately operated vehicle (POV) regardless of the number of persons in the vehicle. For example, two people traveling together in a car would be counted as one vehicle trip. Four people going to a restaurant in a van are considered one vehicle trip. To be counted as a vehicle trip in the NHTS, a trip must be made in a POV and the driver must be a member of a household in the NHTS sample. A POV can be a household-based car, van, sport utility vehicle, pickup truck, other truck, recreational vehicle, motorcycle or other POV. The vehicle does not need to belong to the household.

Trips made in other highway vehicles, such as buses, streetcars, taxis, and school buses are collected in the NHTS. However, these trips are not counted as vehicle trips because these vehicles are not privately operated vehicles. The state of New York had an estimated 10,886 million vehicle-trips during the 2001 NHTS period.

**Vehicle Miles of Travel (VMT)** - One vehicle mile of travel is the movement of one privately operated vehicle (POV) for one mile, regardless of the number of people in the vehicle. When one person drives her car 12 miles to work, 12 vehicle miles of travel have been made. If two people travel three miles in a pickup truck, three vehicle miles of travel have been made. The distinction among person trip, person miles of travel, vehicle trip and vehicle miles of travel is better illustrated in Figure 1. The state of New York had an estimated 95,209 million vehicle-miles of travel during the 2001 NHTS period.

Figure 1. Distinction Between Person Trip, Person Miles of travel, Vehicle Trip, and Vehicle Miles of Travel





**Vehicle Occupancy** - For NHTS data, vehicle occupancy is generally computed as person miles of travel per vehicle mile (referred to as the *travel* method). Note that the other commonly used definition of vehicle occupancy is persons per vehicle trip (referred to as the *trip* method).

Because longer trips often have higher occupancies, the *travel* method generally yields a higher vehicle occupancy rate than the *trip* method. For example, the average person-miles of travel per vehicle mile for the state of New York was 2.0 in 2001 compared to a vehicle occupancy of 1.6 persons per vehicle trip. The calculation of the *travel* method requires that trip miles be reported, thus it is calculated on a slightly smaller number of trips than the *trip* method.

**Daily Trip Rates** - Rather than presenting total travel, much of the data presented in this report are in units of daily trip rate, such as the number of trips taken by an individual on a typical day. Daily trip rates are derived by dividing the total travel (e.g., total person trips) by the total number of entities (e.g., households, workers, drivers, persons). Appendix B contains information that enables the user to convert daily trip rates to total travel. For example, the daily person trip rates reported in Table 4-6 can be used in conjunction with Table B-1 (of Appendix B) to calculate the total person trip distribution by age and gender.

*Average Daily Person Travel per Person* - The average daily number of person trips or person miles of travel taken by a person. This includes persons who did not travel during the designated travel day. The estimated average daily person trips per person in the state of New York was 3.66. The estimated average daily person miles per person was 28.60 during the 2001 NHTS period.

*Average Daily Travel per Household* - The average daily number of person trips, vehicle trips, person miles of travel, vehicle miles of travel, or journey-to-work trips taken by a typical household in the state of New York. This includes households that did not travel during the designated travel day. For

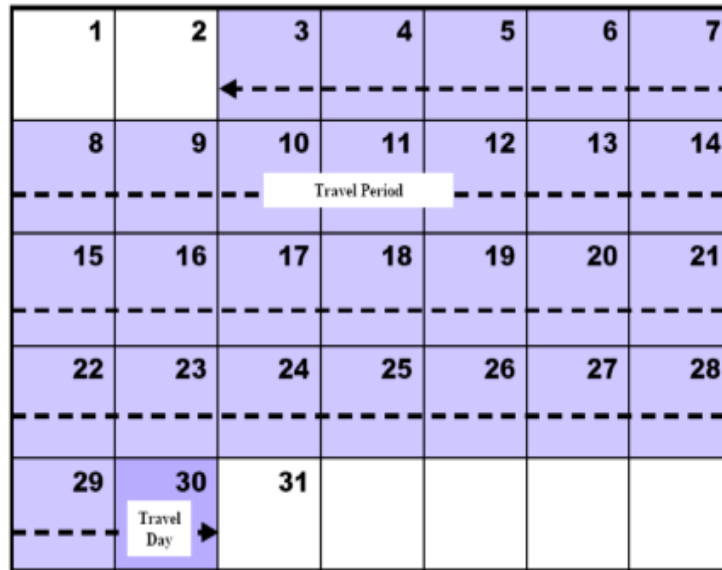
the state of New York, the estimates are as follows: the average daily person trips per household was 9.5, the average daily person miles per household was 74.19, the average daily vehicle trips per household was 4.15, the average daily vehicle miles per household was 36.31, and the average daily journey-to-work trips taken by a household was 1.5 during the 2001 NHTS period.

*Average Daily Vehicle Travel per Driver* - The average number of daily vehicle trips or vehicle miles of travel driven by an individual driver in the state of New York. This includes drivers who did not drive during the designated travel day. On average, a New York driver drove 2.67 trips and 23.36 miles per day.

*Average Daily Journey-to-Work Travel per Worker* - The average number of daily journeys to work or journey-to-work miles of travel taken by a worker. The denominator includes workers who work at home and workers who did not go to work during the designated travel day. On average, a typical New York worker took 1.12 trips to work per day.

**TRAVEL DAY** and **TRAVEL PERIOD** sections refer to two sections of the NHTS questionnaire designed to complement each other. In the travel day section, the respondent is asked to report all trips of any length by any mode of travel during a 24-hour period. This reporting provides data on the types of trips made on a daily basis, such as trips to work, or the store, running errands, and visiting friends. Because most people make out-of-town trips less frequently, respondents are asked to report any long trips (defined as a trip where the farthest destination is at least 50 miles from home) for a four-week period. This is known as the travel period and includes the travel day as well as the preceding 27 days (Figure 2).

Figure 2. Temporal Relationship Between Travel Day and Travel Period



If the respondent took a trip of 50 miles or more and returned home on the Travel Day, then information about that trip is collected in both the travel day and travel period sections of the questionnaire. Note that, for travel period trips, it does not matter when the outgoing portion of the trip took place. The return trip must be made during the 28-day travel period. Information about a trip is collected (and counted) twice only for travel that takes place on the travel day. A variable is created to identify which travel-day trips are part of the long trip reported in the travel-period file so as to avoid double counting.

# **R** EPORT ORGANIZATION

This Introduction is followed by a set of tables that pertain to this metropolitan planning organization. These tables are numbered according to the numbering scheme of the 1990 NPTS Databook<sup>2</sup>. When referring to statistics in these tables, users should note a number of annotation conventions:

- Empty cells indicate that no data available.
- A bolded number within a cell indicates a sample size of 5 or less (Note: Subtotals have not been checked for sample size.)
- Daily rates per person include all persons, regardless whether s/he traveled on the designated travel day.
- Weekday is defined as the time between 12:01 a.m. Monday and 6:00 p.m. Friday. Weekend is defined as the time between 6:01 p.m. Friday and midnight Sunday.
- Number of workers includes those who work at home.
- Journey-to-Work trips do not include those who work at home.
- Small urban areas are those outside MSAs only.

Appendix A contains key travel concepts and a glossary of terms used in this report. Information that enables daily travel rates be converted to total travel, or vice versa, is included in Appendix B. The SAS programs that were used to generate the statistics in this report are included in Appendix C. To facilitate additional analysis, all tables in this report are included in Excel files in the enclosed CD-ROM.

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2. 1990 Nationwide Personal Transportation Survey Databook, Volumes 1 and 2. FHWA-PL-94-010A. Federal Highway Administration, U.S. Department of Transportation. Washington, D.C. November 1993.

New York State - 2001 NHTS  
Number of Households by Household Vehicle Ownership  
MPO: Ithaca

	Households	%
ALL	37,072	100.00
No vehicles	3,489	9.41
One vehicle	13,788	37.19
Two vehicles	13,722	37.02
Three or more	6,072	16.38
Total HH Vehicles	61,789	100.00

Note: Household vehicle ownership includes all vehicles owned by or available on a regular basis to the household

New York State - 2001 NHTS  
 Number of Households by Number of Household Members  
 and Number of Household Based Vehicles  
 MPO: Ithaca

	Number of Household Members							TOTAL
	One	Two	Three	Four	Five	Six-Seven	Eight- Eleven	
No vehicles	2,862	<b>319</b>	<b>252</b>		<b>56</b>			3,489
One vehicle	7,043	4,236	1,130	1,138	<b>206</b>	<b>35</b>		13,788
Two vehicles	916	6,296	2,608	3,299	522	<b>45</b>	<b>37</b>	13,722
Three or more	707	2,046	1,543	1,348	<b>322</b>	<b>107</b>		6,072
ALL HHs	11,528	12,897	5,532	5,785	1,106	<b>186</b>	<b>37</b>	37,072
HH VEHS	11,364	23,477	11,622	12,540	2,266	444	75	61,789
Vehicles per HH	0.99	1.82	2.10	2.17	2.05	2.39	2.03	1.67

Note: Household vehicle ownership includes all vehicles owned by or available on a regular basis to the household

New York State - 2001 NHTS  
Number of Households by Household Composition  
MPO: Ithaca

Household Composition	Households
1 Adult, No Child	8,679
2+ Adults, No Child	10,227
1 Adult, Child <6	<b>431</b>
2+ Adults, Child <6	3,611
1 Adult, Child 6-15	606
2+ Adults, Child 6-15	4,362
1 Adult, Child 16-21	515
2+ Adults, Child 16-21	983
1 Adult, Retired, No Child	2,849
2+ Adults, Retired, No Child	4,810
TOTAL	37,072

New York State - 2001 NHTS  
Average Daily Person Trips per Person by Age and Gender  
MPO: Ithaca

AGE	TOTAL	Male	Female
	All Days		
TOTAL	4.27	4.34	4.22
0-4	2.46	2.21	2.57
5-15	3.24	3.42	3.03
16-19	4.21	3.96	4.47
20-29	4.83	4.96	4.65
30-39	4.29	4.19	4.40
40-49	4.99	5.19	4.81
50-59	4.40	3.82	4.84
60-64	4.33	4.78	3.86
65+	4.13	4.36	3.95
Unreported	4.87	4.18	5.50
	Weekday		
TOTAL	4.44	4.56	4.33
0-4	2.51	2.58	2.48
5-15	3.30	3.46	3.12
16-19	4.57	4.77	4.36
20-29	4.98	5.17	4.72
30-39	4.13	3.85	4.43
40-49	5.33	6.06	4.70
50-59	4.30	3.50	4.90
60-64	5.09	5.86	4.28
65+	4.39	4.40	4.38
Unreported	6.65	5.49	7.73
	Weekend		
TOTAL	3.90	3.81	3.98
0-4	2.35	1.32	2.80
5-15	3.12	3.36	2.84
16-19	3.37	1.96	4.78
20-29	4.51	4.50	4.52
30-39	4.73	5.06	4.37
40-49	4.17	3.05	5.13
50-59	4.70	4.67	4.73
60-64	2.47	2.13	2.84
65+	3.50	4.30	2.92
Unreported	0.46	0.96	



New York State - 2001 NHTS  
Average Daily PMT per Person by Age and Gender  
MPO: Ithaca

AGE	TOTAL	Male	Female
	All Days		
TOTAL	33.81	34.55	33.09
0-4	10.14	12.99	8.88
5-15	22.69	24.21	20.94
16-19	25.78	28.05	23.49
20-29	32.08	27.68	38.33
30-39	48.40	38.27	59.14
40-49	34.32	35.65	33.16
50-59	56.14	74.83	42.06
60-64	32.00	30.71	33.37
65+	24.17	31.65	18.72
Unreported	26.50	15.58	36.65
	Weekday		
TOTAL	32.50	32.30	32.70
0-4	9.99	13.89	8.28
5-15	23.11	22.67	23.62
16-19	26.32	34.28	18.29
20-29	28.51	25.19	33.22
30-39	47.60	28.79	67.53
40-49	26.98	27.87	26.21
50-59	59.68	77.94	45.92
60-64	32.44	37.47	27.10
65+	23.98	31.91	18.19
Unreported	36.31	20.03	51.45
	Weekend		
TOTAL	37.39	40.53	34.39
0-4	10.60	10.86	10.48
5-15	21.87	28.32	14.44
16-19	24.67	12.74	36.71
20-29	41.30	34.16	51.45
30-39	50.88	62.34	38.74
40-49	52.99	55.44	50.87
50-59	47.84	67.76	32.82
60-64	31.21	14.12	49.37
65+	24.89	31.31	20.22
Unreported	2.23	4.63	

New York State - 2001 NHTS  
Average Daily Person Travel per Person by Gender, Driver Status and Trip Purpose - Weekday Travel Only  
MPO: Ithaca

	TOTAL			Male			Female		
	TOTAL	Driver	Non-Driver	TOTAL	Driver	Non-Driver	TOTAL	Driver	Non-Driver
	Average Daily Person Trips								
TOTAL	4.44	4.87	3.42	4.56	4.80	4.84	4.33	4.95	1.86
Earn a Living	0.95	1.22	0.35	1.16	1.46	0.49	0.75	0.98	0.21
Family & Personal Business	1.88	2.15	1.36	1.67	1.77	2.11	2.08	2.51	0.54
Civic, Educational & Religious	0.56	0.41	0.63	0.65	0.52	0.63	0.47	0.31	0.63
Social & Recreational	0.99	1.04	0.90	1.00	0.98	1.29	0.99	1.09	0.47
Other	0.06	0.05	0.15	0.07	0.06	0.26	0.05	0.05	<b>0.02</b>
	Average Daily PMT								
TOTAL	32.50	38.11	16.35	32.30	37.11	15.76	32.70	39.08	17.00
Earn a Living	9.85	13.03	0.66	12.65	16.61	0.40	7.17	9.54	0.95
Family & Personal Business	13.18	15.09	11.59	10.37	10.98	10.77	15.87	19.10	12.49
Civic, Educational & Religious	2.45	2.00	2.05	2.22	1.69	2.14	2.67	2.31	1.95
Social & Recreational	6.55	7.43	1.71	6.26	6.84	1.85	6.84	8.00	1.56
Other	0.40	0.46	0.34	0.69	0.83	0.60	0.13	0.11	<b>0.05</b>
	Average Trip Length								
TOTAL	7.47	8.00	4.98	7.21	7.87	3.39	7.74	8.12	9.53
Earn a Living	10.53	10.83	2.07	11.16	11.60	0.95	9.62	9.73	4.62
Family & Personal Business	7.20	7.23	8.54	6.31	6.31	5.11	7.90	7.88	23.23
Civic, Educational & Religious	4.48	4.94	3.47	3.44	3.24	3.40	5.90	7.89	3.55
Social & Recreational	6.72	7.34	1.94	6.37	7.16	1.47	7.07	7.50	3.32
Other	7.25	8.88	2.56	10.02	13.65	2.59	2.99	2.54	<b>2.22</b>

New York State - 2001 NHTS  
Average Daily Person Travel per Person by Gender, Driver Status and Trip Purpose - Weekend Travel Only  
MPO: Ithaca

	TOTAL			Male			Female		
	TOTAL	Driver	Non-Driver	TOTAL	Driver	Non-Driver	TOTAL	Driver	Non-Driver
	Average Daily Person Trips								
TOTAL	3.90	4.33	1.91	3.81	4.24	1.45	3.98	4.42	2.41
Earn a Living	0.30	0.36	0.32	0.39	0.48	0.36	0.20	0.24	<b>0.27</b>
Family & Personal Business	1.72	1.90	0.85	1.52	1.68	0.39	1.91	2.12	1.35
Civic, Educational & Religious	0.34	0.37	<b>0.10</b>	0.32	0.33	<b>0.19</b>	0.36	0.40	
Social & Recreational	1.51	1.67	0.62	1.55	1.72	0.51	1.48	1.63	0.74
Other	0.03	0.03	<b>0.02</b>	0.03	0.04		0.02	0.03	<b>0.05</b>
	Average Daily PMT								
TOTAL	37.39	42.56	27.82	40.53	47.46	7.15	34.39	37.78	50.43
Earn a Living	2.16	2.71	1.47	2.79	3.49	1.68	1.55	1.95	<b>1.24</b>
Family & Personal Business	13.69	14.86	17.93	13.21	15.75	2.81	14.16	13.98	34.47
Civic, Educational & Religious	3.58	4.08	<b>0.46</b>	3.89	4.22	<b>0.89</b>	3.29	3.94	
Social & Recreational	14.90	16.87	7.69	15.37	17.06	1.77	14.44	16.69	14.16
Other	3.06	4.05	<b>0.27</b>	5.27	6.95		0.95	1.22	<b>0.56</b>
	Average Trip Length								
TOTAL	9.85	10.06	15.59	10.68	11.19	4.93	9.05	8.95	23.45
Earn a Living	7.31	7.59	4.62	7.11	7.33	4.62	7.71	8.07	<b>4.63</b>
Family & Personal Business	8.12	7.94	24.81	8.71	9.39	7.30	7.66	6.78	31.57
Civic, Educational & Religious	10.70	11.54	<b>4.74</b>	11.98	12.75	<b>4.74</b>	9.54	10.50	
Social & Recreational	10.23	10.44	12.33	10.02	9.91	3.46	10.46	11.02	19.03
Other	119.72	128.36	<b>12.00</b>	191.23	191.23		40.13	45.36	<b>12.00</b>

Note: Average trip length is calculated using only those records with trip mile information present.

New York State - 2001 NHTS  
Average Daily Person Trips per Person Taken by  
Individuals 65+ vs Younger by Day of the Week  
MPO: Ithaca

DAY OF WEEK	TOTAL	Under 65	65+	Unreported
TOTAL	4.27	4.28	4.13	4.87
Sunday	3.47	3.49	3.78	
Monday	4.28	4.41	3.06	6.35
Tuesday	3.92	4.23	2.19	
Wednesday	5.42	5.44	6.01	
Thursday	4.26	3.48	6.94	26.90
Friday	5.62	5.88	4.46	
Saturday	3.03	3.14	2.52	0.92
Weekday	4.44	4.41	4.39	6.65
Weekend	3.90	4.01	3.50	0.46

New York State - 2001 NHTS  
Average Daily Person Trips per Person Taken by Individuals 65+  
by Mode of Transportation and Trip Purpose  
MPO: Ithaca

	TOTAL	Earn a Living	Family & Personal Business	Civic, Educational & Religious	Social & Recreational	Other
		All Days				
<b>TOTAL</b>	4.13	0.34	2.34	0.16	1.25	0.03
Auto, Van-driver	2.29	0.20	1.46	0.07	0.56	<b>0.00</b>
Auto, Van-passenger	0.54		0.30	0.05	0.19	<b>0.01</b>
Sports Utility	0.18	0.01	0.09	<b>0.01</b>	0.05	<b>0.01</b>
Pickup	0.54	0.10	0.29	<b>0.04</b>	0.12	
<b>Subtotal - Private</b>	3.55	0.32	2.13	0.16	0.92	0.02
Bus/Streetcar	<b>0.01</b>		<b>0.01</b>			
<b>Subtotal - Public</b>	0.01		0.01			
Walk	0.54		0.20		0.33	<b>0.01</b>
School Bus	<b>0.02</b>	<b>0.02</b>				
<b>Subtotal - Other</b>	0.56	0.02	0.20		0.33	0.01
		Weekday				
<b>TOTAL</b>	4.39	0.43	2.63	0.06	1.23	0.04
Auto, Van-driver	2.52	0.27	1.59	<b>0.01</b>	0.64	<b>0.01</b>
Auto, Van-passenger	0.52		0.39	<b>0.03</b>	0.10	
Sports Utility	0.14	0.02	0.07	<b>0.01</b>	0.03	<b>0.01</b>
Pickup	0.62	0.13	0.36		0.12	
<b>Subtotal - Private</b>	3.80	0.42	2.41	0.06	0.90	0.02
Bus/Streetcar	<b>0.02</b>		<b>0.02</b>			
<b>Subtotal - Public</b>	0.02		0.02			
Walk	0.56		0.21		0.33	<b>0.02</b>
School Bus	<b>0.01</b>	<b>0.01</b>				
<b>Subtotal - Other</b>	0.58	0.01	0.21		0.33	0.02
		Weekend				
<b>TOTAL</b>	3.50	0.11	1.63	0.43	1.31	<b>0.02</b>
Auto, Van-driver	1.76	<b>0.05</b>	1.13	0.21	0.37	
Auto, Van-passenger	0.59		<b>0.08</b>	<b>0.08</b>	0.40	<b>0.02</b>
Sports Utility	0.27		0.16		0.11	
Pickup	0.35	<b>0.03</b>	<b>0.09</b>	<b>0.13</b>	<b>0.10</b>	
<b>Subtotal - Private</b>	2.97	0.08	1.47	0.43	0.97	0.02
Walk	0.50		0.16		0.34	
School Bus	<b>0.03</b>	<b>0.03</b>				
<b>Subtotal - Other</b>	0.53	0.03	0.16		0.34	

Note: Rail/Subway includes trips by subway, elevated rail and commuter train.

New York State - 2001 NHTS  
Average Daily Person Trips per Household  
by Trip Purpose and Household Composition  
MPO: Ithaca

	TOTAL	Earn a Living	Family & Personal Business	Civic, Educational & Religious	Social & Recreational	Other	Unreported
All Days							
HH COMPOSITION							
<b>TOTAL</b>	9.88	1.75	4.22	1.14	2.63	0.11	0.02
1 Adult, No Child	4.29	1.08	1.70	0.35	1.14	<b>0.01</b>	
2+ Adults, No Child	9.84	1.86	3.53	1.40	2.76	0.26	<b>0.04</b>
1 Adult, Child <6	11.65	2.23	6.68	1.65	<b>1.10</b>		
2+ Adults, Child <6	15.03	3.57	6.26	1.29	3.81	<b>0.04</b>	<b>0.06</b>
1 Adult, Child 6-15	6.55	<b>0.50</b>	2.65	2.12	1.19	<b>0.09</b>	
2+ Adults, Child 6-15	18.29	2.87	8.19	2.86	4.27	0.10	
1 Adult, Child 16-21	13.03	1.02	7.91	<b>0.96</b>	3.15		
2+ Adults, Child 16-21	17.76	4.94	7.00	1.79	3.94	<b>0.08</b>	
1 Adult, Retired, No Child	2.51	<b>0.11</b>	1.68	<b>0.10</b>	0.63		
2+ Adults, Retired, No Child	11.20	0.88	5.62	0.67	3.88	0.15	
Weekday							
HH COMPOSITION							
<b>TOTAL</b>	10.26	2.19	4.34	1.28	2.30	0.13	0.02
1 Adult, No Child	4.68	1.45	1.78	0.31	1.13	<b>0.02</b>	
2+ Adults, No Child	10.39	2.12	3.79	1.85	2.29	0.29	<b>0.05</b>
1 Adult, Child <6	11.74	3.13	4.76	2.31	<b>1.54</b>		
2+ Adults, Child <6	15.43	4.59	6.56	1.38	2.76	<b>0.06</b>	<b>0.08</b>
1 Adult, Child 6-15	4.92	<b>0.70</b>	2.26	1.71	<b>0.12</b>	<b>0.13</b>	
2+ Adults, Child 6-15	19.96	3.77	8.31	3.38	4.37	<b>0.12</b>	
1 Adult, Child 16-21	9.58	<b>0.37</b>	6.64	<b>0.77</b>	1.80		
2+ Adults, Child 16-21	15.92	5.61	4.98	2.31	2.90	<b>0.12</b>	
1 Adult, Retired, No Child	2.78	<b>0.15</b>	1.86	<b>0.09</b>	0.67		
2+ Adults, Retired, No Child	11.28	1.24	6.15	0.25	3.43	0.21	
Weekend							
HH COMPOSITION							
<b>TOTAL</b>	9.00	0.68	3.97	0.80	3.49	0.06	
1 Adult, No Child	3.35	0.19	1.53	0.45	1.18		
2+ Adults, No Child	8.56	1.22	2.92	0.29	3.95	0.19	
1 Adult, Child <6	11.53		11.53				
2+ Adults, Child <6	14.16	1.04	5.58	1.09	6.46		
1 Adult, Child 6-15	10.69		3.65	<b>3.14</b>	3.89		
2+ Adults, Child 6-15	14.29	0.65	7.95	1.58	4.03	<b>0.07</b>	
1 Adult, Child 16-21	21.80	2.65	11.14	<b>1.45</b>	6.56		
2+ Adults, Child 16-21	22.54	3.32	12.10	<b>0.53</b>	6.59		
1 Adult, Retired, No Child	1.85		1.23	<b>0.10</b>	0.52		
2+ Adults, Retired, No Child	11.12		4.35	1.74	5.03		

New York State - 2001 NHTS  
Average Daily Person Trips per Person by Public Transit  
vs Other Modes, Trip Purpose and MSA Status  
MPO: Ithaca

	All Days Not in MSA	Weekday Not in MSA	Weekend Not in MSA
Public Transit Used			
TOTAL	0.05	0.06	<b>0.04</b>
Earn a Living	0.01	0.02	
Family & Personal Business	0.01	0.01	
Civic, Educational & Religious	0.01	0.01	<b>0.00</b>
Social & Recreational	0.01	<b>0.01</b>	<b>0.04</b>
Other	0.01	0.01	
Public Transit Not Used/Leg Skip			
TOTAL	4.22	4.38	3.86
Earn a Living	0.74	0.93	0.30
Family & Personal Business	1.82	1.86	1.72
Civic, Educational & Religious	0.49	0.55	0.34
Social & Recreational	1.12	0.99	1.48
Other	0.04	0.05	0.03
Unreported	0.01	0.01	

New York State - 2001 NHTS  
Average Daily PMT per Person by Trip Purpose and MSA Size  
MPO: Ithaca

	MSA Size =	Not in MSA
All Days		
TOTAL		33.81
Earn a Living		7.63
Family & Personal Business		13.29
Civic, Educational & Religious		2.76
Social & Recreational		8.91
Other		1.16
Unreported		0.05
Weekday		
TOTAL		32.50
Earn a Living		9.85
Family & Personal Business		13.18
Civic, Educational & Religious		2.45
Social & Recreational		6.55
Other		0.40
Unreported		0.07
Weekend		
TOTAL		37.39
Earn a Living		2.16
Family & Personal Business		13.69
Civic, Educational & Religious		3.58
Social & Recreational		14.90
Other		3.06

New York State - 2001 NHTS  
Average Daily Person Trips per Person by Mode of Transportation  
and Trip Purpose  
MPO: Ithaca

	TOTAL	Earn a Living	Family & Personal Business	Civic, Educational & Religious	Social & Recreational	Other	Unreported
All Days							
<b>TOTAL</b>	4.27	0.76	1.83	0.49	1.14	0.05	0.01
Auto, Van-driver	1.87	0.42	0.91	0.13	0.40	0.01	<b>0.00</b>
Auto, Van-passenger	0.76	0.04	0.34	0.11	0.26	0.01	<b>0.00</b>
Sports Utility	0.43	0.08	0.20	0.03	0.10	0.01	<b>0.00</b>
Pickup	0.35	0.09	0.16	0.01	0.08	<b>0.00</b>	
Other POV	0.03	0.02	<b>0.00</b>		0.01		
<b>Subtotal - Private</b>	3.43	0.66	1.61	0.28	0.84	0.03	0.01
Bus/Streetcar	0.04	0.01	0.01	0.00	<b>0.01</b>	<b>0.00</b>	
Rail/Subway	0.01		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Subtotal - Public</b>	0.05	0.01	0.01	0.01	0.01	0.01	
Airplane	0.00	<b>0.00</b>				<b>0.00</b>	
Taxi, Limo, Airport Shuttle	0.01	<b>0.00</b>			0.01	<b>0.00</b>	
Bike	0.04	0.02	0.01	<b>0.00</b>	0.01		
Walk	0.64	0.07	0.19	0.13	0.25	0.01	
School Bus	0.09	<b>0.00</b>	0.00	0.08	0.01	<b>0.00</b>	
Boat	<b>0.00</b>				<b>0.00</b>		
Other	0.01		<b>0.00</b>		0.00		
<b>Subtotal - Other</b>	0.80	0.09	0.21	0.21	0.28	0.01	
Weekday							
<b>TOTAL</b>	4.44	0.95	1.88	0.56	0.99	0.06	0.01
Auto, Van-driver	1.97	0.53	0.96	0.13	0.34	0.01	<b>0.00</b>
Auto, Van-passenger	0.71	0.05	0.35	0.13	0.18	0.01	<b>0.00</b>
Sports Utility	0.40	0.11	0.16	0.02	0.09	0.01	<b>0.00</b>
Pickup	0.37	0.12	0.17	0.01	0.08	<b>0.00</b>	
Other POV	0.03	0.02	<b>0.00</b>		<b>0.00</b>		
<b>Subtotal - Private</b>	3.48	0.83	1.63	0.28	0.69	0.04	0.01
Bus/Streetcar	0.04	0.02	0.01	0.00	<b>0.00</b>	<b>0.00</b>	
Rail/Subway	0.01		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Subtotal - Public</b>	0.05	0.02	0.01	0.00	0.01	0.01	
Airplane	<b>0.00</b>	<b>0.00</b>					
Taxi, Limo, Airport Shuttle	0.01	<b>0.00</b>			0.01	<b>0.00</b>	
Bike	0.04	0.02	<b>0.01</b>		0.01		
Walk	0.73	0.07	0.22	0.16	0.26	0.01	
School Bus	0.13	<b>0.00</b>	0.00	0.11	0.01	<b>0.00</b>	
Boat	<b>0.00</b>				<b>0.00</b>		
Other	0.01		<b>0.00</b>		<b>0.00</b>		
<b>Subtotal - Other</b>	0.92	0.10	0.23	0.27	0.30	0.01	
Weekend							
<b>TOTAL</b>	3.90	0.30	1.72	0.34	1.51	0.03	
Auto, Van-driver	1.64	0.17	0.78	0.14	0.55	<b>0.00</b>	
Auto, Van-passenger	0.89	0.03	0.33	0.08	0.44	<b>0.01</b>	
Sports Utility	0.50	0.02	0.32	0.05	0.12	<b>0.01</b>	
Pickup	0.30	0.03	0.14	0.02	0.10		
Other POV	0.03		<b>0.01</b>		0.03		
<b>Subtotal - Private</b>	3.36	0.25	1.57	0.29	1.24	0.02	
Bus/Streetcar	<b>0.03</b>			<b>0.01</b>	<b>0.03</b>		
Rail/Subway	<b>0.01</b>				<b>0.01</b>		
<b>Subtotal - Public</b>	0.04			0.01	0.03		
Airplane	<b>0.00</b>					<b>0.00</b>	
Taxi, Limo, Airport Shuttle	<b>0.00</b>					<b>0.00</b>	
Bike	0.03		0.02	<b>0.00</b>	<b>0.00</b>		
Walk	0.45	0.04	0.13	0.04	0.23		
School Bus	<b>0.00</b>	<b>0.00</b>					
Other	<b>0.01</b>				<b>0.01</b>		
<b>Subtotal - Other</b>	0.49	0.05	0.15	0.04	0.24	0.01	

Note: Rail/Subway includes trips by subway, elevated rail and commuter train.



New York State - 2001 NHTS  
 Statistics of Person Travel per Person by Trip Purpose  
 MPO: Ithaca

	Person Trips	PMT	Average Trip Length
All Days			
<b>TOTAL</b>	4.27	33.81	8.09
At work	0.62	4.79	7.76
Work Related Business	0.14	2.85	21.33
<b>Earning a Living Subtotal</b>	0.76	7.63	10.17
Shopping	0.70	3.86	5.63
Doctor/Dentist	0.08	0.58	7.11
Other Family & Personal Business	1.05	8.85	8.70
<b>Family &amp; Personal Business Subtotal</b>	1.83	13.29	7.45
School/Church	0.49	2.76	5.71
<b>School/Church Subtotal</b>	0.49	2.76	5.71
Vacation	0.03	0.57	21.11
Visit Friends/Relatives	0.29	2.41	8.56
Other Soc/Rec	0.82	5.94	7.42
<b>Social and Recreational Subtotal</b>	1.14	8.91	8.04
Other	0.05	1.16	24.75
<b>Other Subtotal</b>	0.05	1.16	24.75
Unreported	0.01	0.05	10.05
Weekday			
<b>TOTAL</b>	4.44	32.50	7.47
At work	0.78	6.05	7.82
Work Related Business	0.17	3.80	23.51
<b>Earning a Living Subtotal</b>	0.95	9.85	10.53
Shopping	0.62	3.36	5.53
Doctor/Dentist	0.09	0.65	7.56
Other Family & Personal Business	1.17	9.17	8.06
<b>Family &amp; Personal Business Subtotal</b>	1.88	13.18	7.20
School/Church	0.56	2.45	4.48
<b>School/Church Subtotal</b>	0.56	2.45	4.48
Vacation	0.02	0.60	24.88
Visit Friends/Relatives	0.26	2.41	9.26
Other Soc/Rec	0.71	3.55	5.14
<b>Social and Recreational Subtotal</b>	0.99	6.55	6.72
Other	0.06	0.40	7.25
<b>Other Subtotal</b>	0.06	0.40	7.25
Unreported	0.01	0.07	10.05
Weekend			
<b>TOTAL</b>	3.90	37.39	9.85
At work	0.23	1.66	7.21
Work Related Business	0.06	0.50	7.68
<b>Earning a Living Subtotal</b>	0.30	2.16	7.31
Shopping	0.89	5.17	5.79
Doctor/Dentist	0.07	0.39	5.70
Other Family & Personal Business	0.76	8.14	11.22
<b>Family &amp; Personal Business Subtotal</b>	1.72	13.69	8.12
School/Church	0.34	3.58	10.70
<b>School/Church Subtotal</b>	0.34	3.58	10.70
Vacation	0.04	0.49	14.47
Visit Friends/Relatives	0.35	2.44	7.20
Other Soc/Rec	1.13	11.97	11.05
<b>Social and Recreational Subtotal</b>	1.51	14.90	10.23
Other	0.03	3.06	119.72
<b>Other Subtotal</b>	0.03	3.06	119.72

Note: Average trip length is calculated using only those records with trip mile information present.

New York State - 2001 NHTS  
Average Daily Segmented Person Travel per Person by Trip Purpose  
MPO: Ithaca

	Person Trips	PMT	Average Trip Length
All Days			
<b>TOTAL</b>	0.05	0.47	9.98
At work	0.01	0.12	8.97
<b>Earning a Living Subtotal</b>	0.01	0.12	8.97
Shopping	<b>0.00</b>	<b>0.01</b>	<b>2.72</b>
Other Family & Personal Business	0.01	0.03	4.05
<b>Family &amp; Personal Business Subtotal</b>	0.01	0.04	3.78
School/Church	0.01	0.23	33.06
<b>School/Church Subtotal</b>	0.01	0.23	33.06
Visit Friends/Relatives	0.00		
Other Soc/Rec	<b>0.01</b>	<b>0.05</b>	<b>4.67</b>
<b>Social and Recreational Subtotal</b>	0.01	0.05	4.67
Other	0.01	0.03	4.77
<b>Other Subtotal</b>	0.01	0.03	4.77
Weekday			
<b>TOTAL</b>	0.06	0.32	6.08
At work	0.02	0.17	8.97
<b>Earning a Living Subtotal</b>	0.02	0.17	8.97
Shopping	<b>0.00</b>	<b>0.01</b>	<b>2.72</b>
Other Family & Personal Business	0.01	0.04	4.05
<b>Family &amp; Personal Business Subtotal</b>	0.01	0.05	3.78
School/Church	0.01	0.04	4.96
<b>School/Church Subtotal</b>	0.01	0.04	4.96
Visit Friends/Relatives	0.00		
Other Soc/Rec	<b>0.00</b>	<b>0.01</b>	<b>5.00</b>
<b>Social and Recreational Subtotal</b>	<b>0.01</b>	<b>0.01</b>	<b>5.00</b>
Other	0.01	0.04	4.77
<b>Other Subtotal</b>	0.01	0.04	4.77
Weekend			
<b>TOTAL</b>	<b>0.04</b>	<b>0.83</b>	<b>26.40</b>
School/Church	<b>0.00</b>	<b>0.70</b>	<b>294.00</b>
<b>School/Church Subtotal</b>	<b>0.00</b>	<b>0.70</b>	<b>294.00</b>
Visit Friends/Relatives	0.01		
Other Soc/Rec	<b>0.03</b>	<b>0.13</b>	<b>4.60</b>
<b>Social and Recreational Subtotal</b>	<b>0.04</b>	<b>0.13</b>	<b>4.60</b>

Note: Average trip length is calculated using only those records with trip mile information present.

New York State - 2001 NHTS  
Average Daily Non-Segmented Person Travel per Person by Trip Purpose  
MPO: Ithaca

	Person Trips	PMT	Average Trip Length
All Days			
<b>TOTAL</b>	4.22	33.34	8.07
At work	0.61	4.66	7.73
Work Related Business	0.14	2.85	21.33
<b>Earning a Living Subtotal</b>	0.74	7.51	10.19
Shopping	0.70	3.86	5.64
Doctor/Dentist	0.08	0.58	7.11
Other Family & Personal Business	1.04	8.82	8.74
<b>Family &amp; Personal Business Subtotal</b>	1.82	13.25	7.47
School/Church	0.49	2.53	5.31
<b>School/Church Subtotal</b>	0.49	2.53	5.31
Vacation	0.03	0.57	21.11
Visit Friends/Relatives	0.28	2.41	8.56
Other Soc/Rec	0.81	5.89	7.45
<b>Social and Recreational Subtotal</b>	1.12	8.87	8.07
Other	0.04	1.13	27.96
<b>Other Subtotal</b>	0.04	1.13	27.96
Unreported	0.01	0.05	10.05
Weekday			
<b>TOTAL</b>	4.38	32.18	7.49
At work	0.76	5.88	7.79
Work Related Business	0.17	3.80	23.51
<b>Earning a Living Subtotal</b>	0.93	9.68	10.57
Shopping	0.62	3.35	5.55
Doctor/Dentist	0.09	0.65	7.56
Other Family & Personal Business	1.16	9.12	8.10
<b>Family &amp; Personal Business Subtotal</b>	1.86	13.13	7.23
School/Church	0.55	2.40	4.47
<b>School/Church Subtotal</b>	0.55	2.40	4.47
Vacation	0.02	0.60	24.88
Visit Friends/Relatives	0.26	2.41	9.26
Other Soc/Rec	0.70	3.54	5.14
<b>Social and Recreational Subtotal</b>	0.99	6.54	6.73
Other	0.05	0.36	7.73
<b>Other Subtotal</b>	0.05	0.36	7.73
Unreported	0.01	0.07	10.05
Weekend			
<b>TOTAL</b>	3.86	36.56	9.71
At work	0.23	1.66	7.21
Work Related Business	0.06	0.50	7.68
<b>Earning a Living Subtotal</b>	0.30	2.16	7.31
Shopping	0.89	5.17	5.79
Doctor/Dentist	0.07	0.39	5.70
Other Family & Personal Business	0.76	8.14	11.22
<b>Family &amp; Personal Business Subtotal</b>	1.72	13.69	8.12
School/Church	0.34	2.88	8.67
<b>School/Church Subtotal</b>	0.34	2.88	8.67
Vacation	0.04	0.49	14.47
Visit Friends/Relatives	0.34	2.44	7.20
Other Soc/Rec	1.10	11.83	11.23
<b>Social and Recreational Subtotal</b>	1.48	14.76	10.35
Other	0.03	3.06	119.72
<b>Other Subtotal</b>	0.03	3.06	119.72

Note: Average trip length is calculated using only those records with trip mile information present.

New York State - 2001 NHTS  
Average Daily Person Trips per Person by Mode of Transportation,  
and Trip Purpose  
MPO: Ithaca

	TOTAL	Earn a Living	Family & Personal Business	Civic, Educational & Religious	Social & Recreational	Other	Unreported
			All Days				
<b>TOTAL</b>	4.27	0.76	1.83	0.49	1.14	0.05	0.01
Private	3.43	0.66	1.61	0.28	0.84	0.03	0.01
Public	0.04	0.01	0.01	<b>0.00</b>	0.01	0.01	
Other	0.16	0.02	0.01	0.08	0.03	0.00	
Walk	0.64	0.07	0.19	0.13	0.25	0.01	
			Weekday				
<b>TOTAL</b>	4.44	0.95	1.88	0.56	0.99	0.06	0.01
Private	3.48	0.83	1.63	0.28	0.69	0.04	0.01
Public	0.04	0.02	0.01	<b>0.00</b>	<b>0.00</b>	0.01	
Other	0.20	0.03	0.01	0.11	0.04	<b>0.00</b>	
Walk	0.73	0.07	0.22	0.16	0.26	0.01	
			Weekend				
<b>TOTAL</b>	3.90	0.30	1.72	0.34	1.51	0.03	
Private	3.36	0.25	1.57	0.29	1.24	0.02	
Public	<b>0.03</b>				<b>0.03</b>		
Other	0.05	<b>0.00</b>	0.02	<b>0.01</b>	0.01	0.01	
Walk	0.45	0.04	0.13	0.04	0.23		

New York State - 2001 NHTS  
Average Trip Length (Miles) by Trip Purpose  
MPO: Ithaca

	TOTAL	Earn a Living	Family & Personal Business	Civic, Educational & Religious	Social & Recreational	Other	Unreported
All	8.09	10.17	7.45	5.71	8.04	24.75	10.05
Weekday	7.47	10.53	7.20	4.48	6.72	7.25	10.05
Weekend	9.85	7.31	8.12	10.70	10.23	119.72	

Note: Average trip length is calculated using only those records with trip mile information present.

New York State - 2001 NHTS  
Average Daily Person Trips per Person by Travel Time Category  
and Trip Purpose  
MPO: Ithaca

	TOTAL	1-9 min	10-19 min	20-29 min	30-39 min	40-49 min	50+ min	Unreported
All Days								
<b>TOTAL</b>	4.27	1.33	1.70	0.55	0.34	0.10	0.18	0.07
At work	0.62	0.15	0.25	0.12	0.06	0.01	0.02	0.01
Work Related Business	0.14	0.04	0.05	0.02	0.01	<b>0.00</b>	0.02	0.00
<b>Earning a Living Subtotal</b>	0.76	0.19	0.30	0.14	0.07	0.01	0.04	0.01
Shopping	0.70	0.27	0.31	0.07	0.03	0.01	0.01	0.01
Doctor/Dentist	0.08	0.02	0.04	0.01	0.01	<b>0.00</b>	0.00	<b>0.00</b>
Other Family & Personal Business	1.05	0.38	0.39	0.12	0.07	0.02	0.04	0.02
<b>Family &amp; Personal Business Subtotal</b>	1.83	0.67	0.74	0.19	0.12	0.03	0.06	0.02
School/Church	0.49	0.14	0.22	0.06	0.03	0.03	0.01	<b>0.00</b>
<b>School/Church Subtotal</b>	0.49	0.14	0.22	0.06	0.03	0.03	0.01	0.00
Vacation	0.03	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>
Visit Friends/Relatives	0.29	0.10	0.09	0.03	0.02	0.01	0.02	0.02
Other Soc/Rec	0.82	0.21	0.32	0.12	0.09	0.02	0.06	0.01
<b>Social and Recreational Subtotal</b>	1.14	0.31	0.42	0.15	0.12	0.03	0.08	0.03
Other	0.05	0.01	0.02	0.01	0.00	<b>0.00</b>	0.00	<b>0.00</b>
<b>Other Subtotal</b>	0.05	0.01	0.02	0.01	0.00	0.00	0.00	0.00
Unreported	0.01	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>			
Weekday								
<b>TOTAL</b>	4.44	1.44	1.80	0.55	0.33	0.09	0.17	0.07
At work	0.78	0.18	0.31	0.16	0.07	0.01	0.03	0.01
Work Related Business	0.17	0.05	0.06	0.01	0.01	<b>0.00</b>	0.02	0.00
<b>Earning a Living Subtotal</b>	0.95	0.24	0.38	0.17	0.08	0.02	0.05	0.01
Shopping	0.62	0.26	0.27	0.05	0.02	0.01	0.01	<b>0.00</b>
Doctor/Dentist	0.09	0.02	0.04	0.01	0.01	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Other Family & Personal Business	1.17	0.44	0.46	0.13	0.06	0.01	0.05	0.02
<b>Family &amp; Personal Business Subtotal</b>	1.88	0.71	0.76	0.19	0.10	0.03	0.05	0.03
School/Church	0.56	0.17	0.26	0.05	0.04	0.02	0.01	<b>0.00</b>
<b>School/Church Subtotal</b>	0.56	0.17	0.26	0.05	0.04	0.02	0.01	0.00
Vacation	0.02	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Visit Friends/Relatives	0.26	0.08	0.10	0.02	0.03	<b>0.01</b>	0.02	<b>0.01</b>
Other Soc/Rec	0.71	0.21	0.28	0.09	0.07	0.01	0.03	0.01
<b>Social and Recreational Subtotal</b>	0.99	0.30	0.39	0.11	0.10	0.02	0.06	0.02
Other	0.06	0.01	0.02	0.01	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Other Subtotal</b>	0.06	0.01	0.02	0.01	0.00	0.00	0.00	0.00
Unreported	0.01	<b>0.00</b>		<b>0.00</b>	<b>0.01</b>			
Weekend								
<b>TOTAL</b>	3.90	1.08	1.45	0.57	0.37	0.14	0.22	0.07
At work	0.23	0.05	0.11	0.03	0.03	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Work Related Business	0.06	0.02	0.02	0.02			<b>0.00</b>	
<b>Earning a Living Subtotal</b>	0.30	0.07	0.13	0.05	0.03	0.00	0.01	0.00
Shopping	0.89	0.29	0.40	0.10	0.06	<b>0.00</b>	0.02	0.01
Doctor/Dentist	0.07	<b>0.03</b>	<b>0.03</b>	<b>0.00</b>	<b>0.01</b>		<b>0.00</b>	
Other Family & Personal Business	0.76	0.25	0.25	0.09	0.09	0.03	0.04	<b>0.01</b>
<b>Family &amp; Personal Business Subtotal</b>	1.72	0.57	0.68	0.20	0.16	0.04	0.06	0.02
School/Church	0.34	0.08	0.14	0.06	0.02	0.05	<b>0.01</b>	
<b>School/Church Subtotal</b>	0.34	0.08	0.14	0.06	0.02	0.05	0.01	
Vacation	0.04	<b>0.01</b>	<b>0.01</b>	<b>0.01</b>		<b>0.02</b>		
Visit Friends/Relatives	0.35	0.14	0.09	0.05	<b>0.02</b>	<b>0.01</b>	<b>0.01</b>	0.04
Other Soc/Rec	1.13	0.21	0.40	0.20	0.14	0.03	0.13	<b>0.01</b>
<b>Social and Recreational Subtotal</b>	1.51	0.36	0.50	0.25	0.16	0.05	0.14	0.05
Other	0.03	<b>0.00</b>		<b>0.01</b>	<b>0.01</b>		0.01	
<b>Other Subtotal</b>	0.03	0.00		0.01	0.01		0.01	

New York State - 2001 NHTS  
Average Daily Person Trips per Person by Travel Time Category  
and Mode of Transportation  
MPO: Ithaca

	TOTAL	1-9 min	10-19 min	20-29 min	30-39 min	40-49 min	50+ min	Unreported
All Days								
<b>TOTAL</b>	4.27	1.33	1.70	0.55	0.34	0.10	0.18	0.07
<b>Private Vehicle</b>	3.43	1.12	1.39	0.47	0.25	0.07	0.13	0.01
Bus/Streetcar	0.04	<b>0.00</b>	<b>0.00</b>	0.01	0.01	<b>0.00</b>	0.01	<b>0.00</b>
Rail/Subway	0.01			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Subtotal - Public</b>	0.05	0.00	0.00	0.01	0.01	0.00	0.01	0.00
Airplane	0.00						0.00	<b>0.00</b>
Taxi/Limo/Shuttle	0.01		0.01	<b>0.00</b>				
Bike	0.04	0.01	0.02	0.01	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Walk	0.64	0.19	0.24	0.05	0.07	0.02	0.03	0.05
School Bus	0.09	0.01	0.03	0.01	0.01	0.01	0.01	<b>0.00</b>
Other	0.01	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			<b>0.00</b>	<b>0.00</b>
<b>Subtotal - Other</b>	0.80	0.21	0.30	0.08	0.08	0.03	0.04	0.06
Weekday								
<b>TOTAL</b>	4.44	1.44	1.80	0.55	0.33	0.09	0.17	0.07
<b>Private Vehicle</b>	3.48	1.19	1.43	0.45	0.23	0.05	0.13	0.00
Bus/Streetcar	0.04	<b>0.00</b>	<b>0.00</b>	0.01	0.01	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>
Rail/Subway	0.01			<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	
<b>Subtotal - Public</b>	0.05	0.00	0.00	0.01	0.02	0.01	0.01	0.00
Airplane	<b>0.00</b>						<b>0.00</b>	<b>0.00</b>
Taxi/Limo/Shuttle	0.01		0.01	<b>0.00</b>				
Bike	0.04	<b>0.00</b>	0.02	0.01	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
Walk	0.73	0.23	0.29	0.05	0.07	0.01	0.02	0.06
School Bus	0.13	0.01	0.05	0.02	0.02	0.02	0.01	<b>0.00</b>
Other	0.01	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			<b>0.00</b>	<b>0.00</b>
<b>Subtotal - Other</b>	0.92	0.25	0.37	0.08	0.09	0.03	0.04	0.06
Weekend								
<b>TOTAL</b>	3.90	1.08	1.45	0.57	0.37	0.14	0.22	0.07
<b>Private Vehicle</b>	3.36	0.95	1.32	0.51	0.31	0.11	0.14	0.02
Bus/Streetcar	<b>0.03</b>						<b>0.03</b>	
Rail/Subway	<b>0.01</b>			<b>0.01</b>				
<b>Subtotal - Public</b>	0.04			0.01			0.03	
Airplane	<b>0.00</b>						<b>0.00</b>	
Taxi/Limo/Shuttle	<b>0.00</b>			<b>0.00</b>				
Bike	0.03	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>			<b>0.00</b>	<b>0.00</b>
Walk	0.45	0.12	0.12	0.05	0.06	0.03	0.03	0.05
School Bus	<b>0.00</b>						<b>0.00</b>	
Other	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>					
<b>Subtotal - Other</b>	0.49	0.13	0.13	0.05	0.06	0.03	0.04	0.05

Note: Rail/Subway includes trips by subway, elevated rail, and commuter train.

New York State - 2001 NHTS  
Average Daily Person Trips per Person by Trip Length Category  
and Mode of Transportation  
MPO: Ithaca

	TOTAL	5 or less miles	6-10 miles	11-15 miles	16-20 miles	21-30 miles	31 or more miles	Unreported
All Days								
<b>TOTAL</b>	4.27	2.82	0.73	0.27	0.16	0.07	0.13	0.10
<b>Private Vehicle</b>	3.43	2.06	0.70	0.26	0.16	0.07	0.12	0.07
Bus/Streetcar	0.04	0.02	0.01	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>
Rail/Subway	0.01	0.01		<b>0.00</b>				<b>0.00</b>
<b>Subtotal - Public</b>	0.05	0.02	0.01	0.00	0.00		0.00	0.01
Airplane	0.00						0.00	<b>0.00</b>
Taxi/Limo/Shuttle	0.01	0.01			<b>0.00</b>			
Bike	0.04	0.04	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Walk	0.64	0.63	<b>0.00</b>					0.01
School Bus	0.09	0.06	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	0.00
Other	0.01	0.01	<b>0.00</b>					
<b>Subtotal - Other</b>	0.80	0.74	0.02	0.00	0.00	0.00	0.01	0.02
Weekday								
<b>TOTAL</b>	4.44	3.06	0.71	0.27	0.13	0.05	0.13	0.09
<b>Private Vehicle</b>	3.48	2.18	0.67	0.26	0.12	0.05	0.12	0.07
Bus/Streetcar	0.04	0.02	0.01	<b>0.01</b>	<b>0.00</b>			<b>0.01</b>
Rail/Subway	0.01	0.01		<b>0.00</b>				
<b>Subtotal - Public</b>	0.05	0.02	0.01	0.01	0.00			0.01
Airplane	<b>0.00</b>						<b>0.00</b>	<b>0.00</b>
Taxi/Limo/Shuttle	0.01	0.01						
Bike	0.04	0.04	<b>0.00</b>			<b>0.00</b>		
Walk	0.73	0.71	<b>0.01</b>					0.01
School Bus	0.13	0.09	<b>0.03</b>	<b>0.01</b>	<b>0.00</b>		<b>0.00</b>	0.01
Other	0.01	0.01	<b>0.00</b>					
<b>Subtotal - Other</b>	0.92	0.86	0.03	0.01	0.00	0.00	0.01	0.02
Weekend								
<b>TOTAL</b>	3.90	2.25	0.80	0.26	0.24	0.12	0.13	0.10
<b>Private Vehicle</b>	3.36	1.75	0.80	0.26	0.24	0.12	0.11	0.08
Bus/Streetcar	<b>0.03</b>	<b>0.03</b>					<b>0.01</b>	
Rail/Subway	<b>0.01</b>							<b>0.01</b>
<b>Subtotal - Public</b>	0.04	0.03					0.01	0.01
Airplane	<b>0.00</b>						<b>0.00</b>	
Taxi/Limo/Shuttle	<b>0.00</b>				<b>0.00</b>			
Bike	0.03	0.02		<b>0.00</b>			<b>0.00</b>	<b>0.00</b>
Walk	0.45	0.44						<b>0.01</b>
School Bus	<b>0.00</b>						<b>0.00</b>	
Other	<b>0.01</b>	<b>0.01</b>						
<b>Subtotal - Other</b>	0.49	0.47		0.00	0.00		0.01	0.01

Note: Rail/Subway includes trips by subway, elevated rail, and commuter train.



New York State - 2001 NHTS  
Average Daily Person Trips per Person by Trip Length Category  
and Trip Purpose  
MPO: Ithaca

	TOTAL	5 or less miles	6-10 miles	11-15 miles	16-20 miles	21-30 miles	31 or more miles	Unreported
All Days								
<b>TOTAL</b>	4.27	2.82	0.73	0.27	0.16	0.07	0.13	0.10
At work	0.62	0.33	0.15	0.09	0.02	0.01	0.02	<b>0.00</b>
Work Related Business	0.14	0.09	0.01	0.01	<b>0.00</b>	<b>0.00</b>	0.02	0.00
<b>Earning a Living Subtotal</b>	0.76	0.42	0.16	0.10	0.03	0.01	0.04	0.01
Shopping	0.70	0.47	0.14	0.03	0.02	0.00	0.01	0.01
Doctor/Dentist	0.08	0.05	0.02	0.01	<b>0.00</b>		0.00	<b>0.00</b>
Other Family & Personal Business	1.05	0.71	0.17	0.05	0.03	0.02	0.03	0.03
<b>Family &amp; Personal Business Subtotal</b>	1.83	1.23	0.33	0.09	0.06	0.03	0.05	0.04
School/Church	0.49	0.38	0.07	0.02	0.01	<b>0.00</b>	0.01	0.01
<b>School/Church Subtotal</b>	0.49	0.38	0.07	0.02	0.01	0.00	0.01	0.01
Vacation	0.03	0.01	0.01			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Visit Friends/Relatives	0.29	0.20	0.04	0.02	0.01	0.01	0.01	<b>0.00</b>
Other Soc/Rec	0.82	0.55	0.12	0.04	0.05	0.01	0.02	0.02
<b>Social and Recreational Subtotal</b>	1.14	0.76	0.17	0.06	0.06	0.02	0.04	0.03
Other	0.05	0.03	0.01	<b>0.00</b>	<b>0.00</b>		0.00	<b>0.00</b>
<b>Other Subtotal</b>	0.05	0.03	0.01	0.00	0.00		0.00	0.00
Unreported	0.01	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>			<b>0.00</b>
Weekday								
<b>TOTAL</b>	4.44	3.06	0.71	0.27	0.13	0.05	0.13	0.09
At work	0.78	0.41	0.19	0.11	0.03	0.01	0.02	<b>0.01</b>
Work Related Business	0.17	0.11	0.01	0.01	<b>0.00</b>	<b>0.00</b>	0.02	0.01
<b>Earning a Living Subtotal</b>	0.95	0.52	0.20	0.12	0.03	0.01	0.05	0.01
Shopping	0.62	0.45	0.10	0.02	0.02	<b>0.00</b>	0.01	0.02
Doctor/Dentist	0.09	0.05	0.02	0.01	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>
Other Family & Personal Business	1.17	0.84	0.17	0.06	0.03	0.01	0.03	0.03
<b>Family &amp; Personal Business Subtotal</b>	1.88	1.33	0.29	0.09	0.06	0.01	0.05	0.05
School/Church	0.56	0.45	0.05	0.02	0.01	<b>0.01</b>	<b>0.01</b>	0.01
<b>School/Church Subtotal</b>	0.56	0.45	0.05	0.02	0.01	0.01	0.01	0.01
Vacation	0.02	0.01	0.01				<b>0.00</b>	
Visit Friends/Relatives	0.26	0.18	0.03	0.01	0.01	<b>0.00</b>	0.02	<b>0.00</b>
Other Soc/Rec	0.71	0.52	0.11	0.03	0.02	0.01	0.01	0.02
<b>Social and Recreational Subtotal</b>	0.99	0.71	0.15	0.04	0.03	0.01	0.03	0.02
Other	0.06	0.04	0.01	<b>0.00</b>			<b>0.00</b>	<b>0.00</b>
<b>Other Subtotal</b>	0.06	0.04	0.01	0.00			0.00	0.00
Unreported	0.01	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>			<b>0.00</b>
Weekend								
<b>TOTAL</b>	3.90	2.25	0.80	0.26	0.24	0.12	0.13	0.10
At work	0.23	0.13	0.05	0.03	<b>0.00</b>	0.02	<b>0.00</b>	
Work Related Business	0.06	0.04	<b>0.00</b>	0.02	<b>0.00</b>		<b>0.00</b>	
<b>Earning a Living Subtotal</b>	0.30	0.17	0.05	0.05	0.01	0.02	0.00	
Shopping	0.89	0.54	0.24	0.05	0.04	<b>0.00</b>	0.02	<b>0.00</b>
Doctor/Dentist	0.07	0.05	<b>0.01</b>	<b>0.01</b>			<b>0.00</b>	
Other Family & Personal Business	0.76	0.39	0.18	0.03	0.03	0.05	0.04	0.03
<b>Family &amp; Personal Business Subtotal</b>	1.72	0.99	0.42	0.09	0.07	0.06	0.06	0.03
School/Church	0.34	0.20	0.10	0.01	<b>0.02</b>		<b>0.01</b>	<b>0.01</b>
<b>School/Church Subtotal</b>	0.34	0.20	0.10	0.01	0.02		0.01	0.01
Vacation	0.04	<b>0.01</b>	<b>0.01</b>			<b>0.02</b>		<b>0.01</b>
Visit Friends/Relatives	0.35	0.23	0.05	0.03	<b>0.01</b>	<b>0.02</b>	<b>0.01</b>	<b>0.01</b>
Other Soc/Rec	1.13	0.65	0.17	0.08	0.13	0.02	0.05	0.04
<b>Social and Recreational Subtotal</b>	1.51	0.89	0.22	0.11	0.14	0.05	0.05	0.06
Other	0.03	<b>0.01</b>		<b>0.00</b>	<b>0.01</b>		<b>0.01</b>	
<b>Other Subtotal</b>	0.03	0.01		0.00	0.01		0.01	

New York State - 2001 NHTS  
Average Daily Person Trips per Person by Seasonal Variation  
and Mode of Transportation  
MPO: Ithaca

	TOTAL	Winter	Spring	Summer	Fall
All Days					
<b>TOTAL</b>	4.27	2.71	3.54	5.02	5.88
Auto, Van-driver	1.87	1.33	1.52	2.30	2.35
Auto, Van-passenger	0.76	0.32	0.58	1.05	1.10
Sports Utility	0.43	0.40	0.32	0.27	0.71
Pickup	0.35	0.19	0.34	0.47	0.41
Other POV	0.03	<b>0.01</b>		0.05	0.05
<b>Subtotal - Private</b>	3.43	2.25	2.76	4.15	4.62
Bus/Streetcar	0.04	0.02	0.06	0.03	0.04
Rail/Subway	0.01		<b>0.02</b>	<b>0.02</b>	
<b>Subtotal - Public</b>	0.05	0.02	0.08	0.05	0.04
Airplane	0.00		<b>0.01</b>		<b>0.01</b>
Taxi, Limo, Airport Shuttle	0.01		<b>0.00</b>	<b>0.01</b>	0.02
Bike	0.04		0.03	0.07	0.05
Walk	0.64	0.39	0.57	0.71	0.91
School Bus	0.09	0.04	0.07	<b>0.02</b>	0.24
Boat	<b>0.00</b>			<b>0.01</b>	
Other	0.01	<b>0.00</b>	0.01	<b>0.01</b>	
<b>Subtotal - Other</b>	0.80	0.44	0.70	0.82	1.23
Weekday					
<b>TOTAL</b>	4.44	2.91	3.71	5.21	5.93
Auto, Van-driver	1.97	1.44	1.54	2.46	2.44
Auto, Van-passenger	0.71	0.33	0.59	0.86	1.08
Sports Utility	0.40	0.43	0.31	0.30	0.55
Pickup	0.37	0.19	0.36	0.56	0.37
Other POV	0.03	<b>0.01</b>		<b>0.05</b>	0.05
<b>Subtotal - Private</b>	3.48	2.40	2.80	4.23	4.48
Bus/Streetcar	0.04	0.02	0.04	0.05	0.05
Rail/Subway	0.01		<b>0.02</b>	<b>0.02</b>	
<b>Subtotal - Public</b>	0.05	0.02	0.06	0.06	0.05
Airplane	<b>0.00</b>				<b>0.02</b>
Taxi, Limo, Airport Shuttle	0.01			<b>0.01</b>	0.03
Bike	0.04		0.02	0.10	0.04
Walk	0.73	0.44	0.72	0.76	0.99
School Bus	0.13	0.06	0.10	<b>0.03</b>	0.33
Boat	<b>0.00</b>			<b>0.02</b>	
Other	0.01		0.01	<b>0.01</b>	
<b>Subtotal - Other</b>	0.92	0.50	0.85	0.92	1.40
Weekend					
<b>TOTAL</b>	3.90	2.19	3.10	4.54	5.74
Auto, Van-driver	1.64	1.07	1.48	1.90	2.11
Auto, Van-passenger	0.89	0.30	0.56	1.55	1.14
Sports Utility	0.50	0.34	0.35	0.20	1.13
Pickup	0.30	0.19	0.27	0.23	0.50
Other POV	0.03			<b>0.06</b>	0.07
<b>Subtotal - Private</b>	3.36	1.90	2.66	3.94	4.95
Bus/Streetcar	<b>0.03</b>		<b>0.12</b>		<b>0.01</b>
Rail/Subway	<b>0.01</b>			<b>0.03</b>	
<b>Subtotal - Public</b>	0.04		0.12	0.03	0.01
Airplane	<b>0.00</b>		<b>0.02</b>		
Taxi, Limo, Airport Shuttle	<b>0.00</b>		<b>0.01</b>		
Bike	0.03		0.05		<b>0.05</b>
Walk	0.45	0.28	0.20	0.58	0.73
School Bus	<b>0.00</b>		<b>0.01</b>		
Other	<b>0.01</b>	<b>0.01</b>	<b>0.02</b>		
<b>Subtotal - Other</b>	0.49	0.29	0.32	0.58	0.78

Note: Rail/Subway includes trips by subway, elevated rail and commuter train.

New York State - 2001 NHTS  
Average Daily Person Travel per Person by Day of Week  
MPO: Ithaca

	Person Trips	PMT	Average Trip Length
TOTAL	4.27	33.81	8.09
Sunday	3.47	34.47	10.13
Monday	4.28	27.72	6.48
Tuesday	3.92	18.58	4.92
Wednesday	5.42	52.60	10.16
Thursday	4.26	33.83	8.01
Friday	5.62	39.78	7.21
Saturday	3.03	30.32	10.23

Note: Average trip length is calculated using only those records with trip mile information present

New York State - 2001 NHTS  
Average Daily Person Trips per Person by Day of Week and Trip Purpose  
MPO: Ithaca

	TOTAL	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
TOTAL	4.27	3.47	4.28	3.92	5.42	4.26	5.62	3.03
Earn a Living	0.76	0.24	0.73	0.93	1.21	0.86	1.18	0.18
Family & Personal Business	1.83	1.49	1.90	1.60	2.14	1.88	2.27	1.55
Civic, Educational & Religious	0.49	0.45	0.34	0.53	0.63	0.46	0.94	0.11
Social & Recreational	1.14	1.25	1.21	0.82	1.37	0.99	1.17	1.19
Other	0.05	0.04	0.08	0.03	0.06	0.06	0.06	<b>0.01</b>
Unreported	0.01		<b>0.02</b>	<b>0.01</b>	<b>0.01</b>		<b>0.00</b>	

New York State - 2001 NHTS  
Average Daily Weekday Person Trips per Person by Time of Day and Trip Purpose  
MPO: Ithaca

	TOTAL	1-6 am	6-9 am	9 am-1 pm	1-4 pm	4-7 pm	7-10 pm	10 pm-1 am
TOTAL	4.44	0.05	0.66	1.13	0.99	1.07	0.42	0.12
Earn a Living	0.95	0.02	0.26	0.19	0.16	0.25	0.05	0.02
Family & Personal Business	1.88	0.02	0.18	0.57	0.49	0.44	0.13	0.04
Civic, Educational & Religious	0.56	<b>0.00</b>	0.14	0.14	0.11	0.10	0.05	0.01
Social & Recreational	0.99	0.01	0.07	0.21	0.20	0.27	0.19	0.04
Other	0.06		0.01	0.01	0.01	0.01	0.01	<b>0.00</b>
Unreported	0.01	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

New York State - 2001 NHTS  
Average Daily Weekend Person Trips per Person by Time of Day and Trip Purpose  
MPO: Ithaca

	TOTAL	1-6 am	6-9 am	9 am-1 pm	1-4 pm	4-7 pm	7-10 pm	10 pm-1 am
TOTAL	3.90	0.04	0.12	1.03	0.90	0.86	0.69	0.25
Earn a Living	0.30	<b>0.00</b>	0.03	0.04	0.04	0.07	0.07	0.05
Family & Personal Business	1.72	<b>0.01</b>	0.04	0.52	0.44	0.36	0.29	0.07
Civic, Educational & Religious	0.34	<b>0.00</b>	0.03	0.16	0.05	0.06	0.04	<b>0.01</b>
Social & Recreational	1.51	0.03	0.03	0.31	0.37	0.37	0.29	0.12
Other	0.03		<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	0.01		<b>0.00</b>

New York State - 2001 NHTS  
Average Daily Vehicle Trips per Driver  
by Trip Purpose and Driver Age  
MPO: Ithaca

	TOTAL	Earn a Living	Family & Personal Business	Civic, Educational & Religious	Social & Recreational	Other	Unreported
All Days							
Driver's Age							
TOTAL	3.25	0.79	1.56	0.20	0.68	0.02	<b>0.00</b>
16-19	2.04	0.18	0.77	0.43	0.66		
20-29	2.82	0.69	1.00	0.37	0.71	0.04	
30-39	3.46	0.97	1.71	0.17	0.61		<b>0.02</b>
40-49	3.63	1.23	1.67	0.10	0.60	0.03	
50-59	3.53	0.87	1.85	0.10	0.68	<b>0.03</b>	
60-64	3.26	0.78	1.59	0.11	0.77	<b>0.01</b>	
65 and over	3.27	0.32	2.05	0.14	0.74	<b>0.01</b>	
Weekday							
TOTAL	3.43	0.99	1.61	0.18	0.60	0.03	<b>0.00</b>
16-19	2.29	0.25	0.89	0.54	0.60		
20-29	2.97	0.72	1.14	0.46	0.59	0.06	
30-39	3.38	1.31	1.53	0.07	0.45		<b>0.02</b>
40-49	3.93	1.61	1.69	0.08	0.51	<b>0.04</b>	
50-59	3.43	1.09	1.74	0.07	0.49	<b>0.04</b>	
60-64	4.07	1.04	2.08	<b>0.11</b>	0.83	<b>0.01</b>	
65 and over	3.55	0.42	2.23	0.03	0.85	<b>0.02</b>	
Weekend							
TOTAL	2.83	0.28	1.43	0.24	0.88	<b>0.01</b>	
16-19	1.43		<b>0.47</b>	<b>0.16</b>	<b>0.80</b>		
20-29	2.47	0.61	0.67	0.16	1.02	<b>0.01</b>	
30-39	3.71	0.13	2.17	0.40	1.01		
40-49	2.92	0.29	1.63	0.17	0.83	<b>0.01</b>	
50-59	3.80	0.32	2.14	0.17	1.15	<b>0.03</b>	
60-64	1.26	<b>0.14</b>	0.38	<b>0.12</b>	0.61		
65 and over	2.60	<b>0.09</b>	1.63	0.41	0.48		

New York State - 2001 NHTS  
Average Daily Vehicle Travel per Household by HH Composition  
MPO: Ithaca

	Vehicle Trips	VMT	Avg Trip Length
All Days			
Household Composition			
TOTAL	5.64	46.00	8.30
1 Adult, No Child	2.50	14.35	5.88
2+ Adults, No Child	5.77	59.41	10.36
1 Adult, Child <6	3.34	24.82	7.43
2+ Adults, Child <6	8.14	64.25	7.95
1 Adult, Child 6-15	2.48	14.21	5.72
2+ Adults, Child 6-15	8.75	65.10	7.52
1 Adult, Child 16-21	8.87	67.29	10.56
2+ Adults, Child 16-21	12.06	110.98	9.20
1 Adult, Retired, No Child	2.07	9.47	4.58
2+ Adults, Retired, No Child	7.39	55.51	7.70
Weekday			
TOTAL	5.95	48.02	8.22
1 Adult, No Child	2.59	13.29	5.19
2+ Adults, No Child	6.04	61.16	10.20
1 Adult, Child <6	4.69	34.85	7.43
2+ Adults, Child <6	8.93	76.46	8.63
1 Adult, Child 6-15	2.41	17.15	7.11
2+ Adults, Child 6-15	9.54	70.20	7.38
1 Adult, Child 16-21	7.32	27.14	7.10
2+ Adults, Child 16-21	11.87	103.12	8.69
1 Adult, Retired, No Child	2.38	12.08	5.08
2+ Adults, Retired, No Child	7.62	58.58	7.90
Weekend			
TOTAL	4.92	41.39	8.55
1 Adult, No Child	2.28	17.14	7.93
2+ Adults, No Child	5.14	55.63	10.82
2+ Adults, Child <6	6.22	34.36	5.52
1 Adult, Child 6-15	2.69	6.98	2.60
2+ Adults, Child 6-15	6.87	52.99	8.02
1 Adult, Child 16-21	12.82	168.31	13.13
2+ Adults, Child 16-21	12.65	131.69	10.41
1 Adult, Retired, No Child	1.31	3.03	2.32
2+ Adults, Retired, No Child	6.89	48.37	7.16

Note: Average trip length is calculated using only those records where trip mileage is available



New York State - 2001 NHTS  
Average Daily Vehicle Travel per Household by Trip Purpose and MSA Status  
MPO: Ithaca

	All Days		Weekday		Weekend	
	Total	Not in MSA	Total	Not in MSA	Total	Not in MSA
	Vehicle Trips					
TOTAL	5.64	5.64	5.95	5.95	4.92	4.92
Earn a Living	1.37	1.37	1.73	1.73	0.49	0.49
Family & Personal Business	2.70	2.70	2.80	2.80	2.48	2.48
Civic, Educational & Religious	0.35	0.35	0.32	0.32	0.41	0.41
Social & Recreational	1.18	1.18	1.05	1.05	1.52	1.52
Other	0.04	0.04	0.05	0.05	<b>0.01</b>	<b>0.01</b>
Unreported	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		
	VMT					
TOTAL	46.00	46.00	48.02	48.02	41.39	41.39
Earn a Living	13.44	13.44	17.19	17.19	4.22	4.22
Family & Personal Business	18.22	18.22	18.80	18.80	16.95	16.95
Civic, Educational & Religious	2.74	2.74	2.87	2.87	2.45	2.45
Social & Recreational	11.30	11.30	8.84	8.84	17.56	17.56
Other	0.19	0.19	0.18	0.18	<b>0.22</b>	<b>0.22</b>
Unreported	<b>0.09</b>	<b>0.09</b>	<b>0.13</b>	<b>0.13</b>		
	Average Trip Length					
TOTAL	8.30	8.30	8.22	8.22	8.55	8.55
Earn a Living	9.82	9.82	9.96	9.96	8.57	8.57
Family & Personal Business	6.95	6.95	6.94	6.94	6.96	6.96
Civic, Educational & Religious	7.99	7.99	8.95	8.95	6.09	6.09
Social & Recreational	9.73	9.73	8.58	8.58	11.72	11.72
Other	4.83	4.83	3.63	3.63	<b>16.21</b>	<b>16.21</b>
Unreported	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>		

Note: Average trip length is calculated using only those records where trip mileage is available

New York State - 2001 NHTS  
Average Weekday Trips per Driver by Trip Purpose  
MPO: Ithaca

	Vehicle Trips/Driver	TOTAL	1-6 am	6-9 am	9 am-1 pm	1-4 pm	4-7 pm	7-10 pm	10 pm-1 am
TOTAL	3.43	57,322,120	889,017	9,271,871	14,854,171	11,599,469	14,154,805	4,904,406	1,648,381
Earn a Living	0.99	16,629,331	350,906	4,786,782	3,306,715	2,585,206	4,411,169	876,851	311,701
Family & Personal Business	1.61	26,957,725	269,045	3,131,094	8,335,706	6,554,977	6,209,564	1,860,356	596,983
Civic, Educational & Religious	0.18	3,091,298	<b>60,837</b>	256,722	901,015	510,587	658,603	537,826	165,706
Social & Recreational	0.60	10,095,623	208,228	1,011,845	2,213,224	1,749,335	2,820,393	1,578,042	514,555
Other	0.03	484,009		<b>85,427</b>	<b>33,375</b>	<b>199,363</b>	<b>55,077</b>	<b>51,331</b>	<b>59,436</b>
Unreported	<b>0.00</b>	<b>64,135</b>			<b>64,135</b>				

New York State - 2001 NHTS  
Average Weekend Trips per Driver by Trip Purpose  
MPO: Ithaca

	Vehicle Trips/Driver	TOTAL	1-6 am	6-9 am	9 am-1 pm	1-4 pm	4-7 pm	7-10 pm	10 pm-1 am
TOTAL	2.83	18,955,706	350,387	661,372	4,906,647	4,281,638	4,027,566	3,581,299	1,146,797
Earn a Living	0.28	1,896,824	<b>36,096</b>	170,865	200,395	236,488	498,695	442,873	311,412
Family & Personal Business	1.43	9,559,394	<b>82,139</b>	249,973	3,095,034	2,327,751	1,853,977	1,561,524	388,995
Civic, Educational & Religious	0.24	1,580,099	<b>35,468</b>	137,754	684,112	253,200	253,706	154,182	<b>61,677</b>
Social & Recreational	0.88	5,868,110	196,683	93,563	927,106	1,439,845	1,403,479	1,422,719	384,714
Other	<b>0.01</b>	<b>51,280</b>		<b>9,217</b>		<b>24,354</b>	<b>17,709</b>		

New York State - 2001 NHTS  
Average Vehicle Trip Length by Time of Day and Trip Purpose  
MPO: Ithaca

		TOTAL	Earn a Living	Family & Personal Business	Civic, Educational & Religious	Social & Recreational	Other	Unreported
Weekday	TOTAL	8.22	9.96	6.94	8.95	8.58	3.63	20.00
	1-6 am	31.30	47.09	12.44	<b>120.00</b>	3.14		
	6-9 am	7.99	10.13	5.66	6.55	5.02	<b>2.36</b>	
	9 am-1 pm	8.40	9.43	7.27	5.63	11.89	<b>0.11</b>	<b>20.00</b>
	1-4 pm	8.76	9.19	8.80	5.52	9.58	<b>3.34</b>	
	4-7 pm	7.82	8.69	5.78	13.27	9.78	<b>4.90</b>	
	7-10 pm	4.90	6.98	4.28	2.74	5.24	<b>3.63</b>	
	10 pm-1 am	4.65	4.07	5.65	3.47	3.92	<b>7.21</b>	
Weekend	TOTAL	8.55	8.57	6.96	6.09	11.72	<b>16.21</b>	
	1-6 am	38.95	<b>10.42</b>	<b>7.33</b>	<b>5.52</b>	63.42		
	6-9 am	14.67	10.06	11.59	7.02	35.84	<b>83.00</b>	
	9 am-1 pm	8.26	10.25	7.80	7.89	9.71		
	1-4 pm	8.67	5.44	6.47	3.24	13.78	<b>2.00</b>	
	4-7 pm	6.30	8.28	5.86	4.01	6.61	<b>1.00</b>	
	7-10 pm	7.96	9.89	7.00	4.41	8.72		
	10 pm-1 am	5.98	7.40	5.25	<b>7.87</b>	5.25		

Note: Average trip length is calculated using only those records with trip mile information present.

New York State - 2001 NHTS  
Average Daily Weekday Vehicle Trips per Driver by Trip Length and Trip Purpose  
MPO: Ithaca

	TOTAL	Earn a Living	Family & Personal Business	Civic, Educational & Religious	Social & Recreational	Other	Unreported
TOTAL	3.43	0.99	1.61	0.18	0.60	0.03	<b>0.00</b>
5 or less miles	2.12	0.50	1.09	0.14	0.37	0.02	
6-10 miles	0.69	0.25	0.29	0.02	0.13	0.01	
11-15 miles	0.27	0.14	0.09	0.01	0.03		
16-20 miles	0.12	0.04	0.05		0.03		<b>0.00</b>
21-30 miles	0.06	0.02	0.01	<b>0.01</b>	0.02		
31 or more miles	0.11	0.05	0.03	<b>0.01</b>	0.02		
Unreported	0.06		0.05		<b>0.01</b>		

New York State - 2001 NHTS  
Average Daily Weekend Vehicle Trips per Driver by Trip Length and Trip Purpose  
MPO: Ithaca

	TOTAL	Earn a Living	Family & Personal Business	Civic, Educational & Religious	Social & Recreational	Other
TOTAL	2.83	0.28	1.43	0.24	0.88	<b>0.01</b>
5 or less miles	1.54	0.14	0.79	0.12	0.50	<b>0.01</b>
6-10 miles	0.70	0.06	0.40	0.09	0.15	
11-15 miles	0.24	0.06	0.07	<b>0.01</b>	0.10	
16-20 miles	0.13	<b>0.01</b>	0.06	<b>0.01</b>	0.05	
21-30 miles	0.10	0.02	0.06		0.02	
31 or more miles	0.08	<b>0.00</b>	0.03		0.05	<b>0.00</b>
Unreported	0.04		<b>0.03</b>	<b>0.00</b>	<b>0.01</b>	

New York State - 2001 NHTS  
Number of Workers (000) by Their Work Location  
MPO: Ithaca

ALL	49
Legit skip	5
Unreported	18
Workplace	20
Works only at home	3
No fixed work place	1
Home and work	3

New York State - 2001 NHTS  
Summary Statistics on Journey-to-Work and Work-Related Travel  
MPO: Ithaca

Persons (000)	86
Workers (000)	49
Journey-to-Work Person Trips (000,000)	19
Journey-to-Work Vehicle Trips (000,000)	15
Journey-to-Work VMT (000,000)	133
Work Related Person Trips (000,000)	4
Work Related Vehicle Trips (000,000)	3
Work Related VMT (000,000)	49



New York State - 2001 NHTS  
 Summary Statistics on Workers and Their Travel  
 MPO: Ithaca

WORKERS (000)	49
% Male	52.87
% Female	47.13
Workers/Person	0.57
Workers/HH	1.32
Workers/Veh	0.79
Average Time to Work	16.34

New York State - 2001 NHTS  
 Distribution of Workers by Their Usual Mode to Work (000)  
 MPO: Ithaca

All	49
%	100.00
Unreported	9
%	19.37
POV	33
%	66.90
Public Transit	1
%	2.31
Other	1
%	1.87
Walk	5
%	9.55

New York State - 2001 NHTS  
 Annual Journey-To-Work Person Trips by Gender and Actual Mode of Commuting  
 MPO: Ithaca

	ALL	Male	Female
ALL	19,409,606	11,315,168	8,094,437
POV-driver	15,490,258	9,379,708	6,110,550
POV-passenger	1,691,771	671,007	1,020,764
Public Transit	384,954	<b>134,174</b>	250,780
Other	506,094	439,786	<b>66,308</b>
Walk	1,336,528	690,493	646,035

New York State - 2001 NHTS  
Average Journey-To-Work Commute Trip Distance  
by Mode of Transportation and MSA Status  
MPO: Ithaca

	ALL	Not in MSA
Average Commute Trip Distance (Miles)		
ALL	7.76	7.76
Auto	8.70	8.70
Other	4.83	4.83
Truck	8.82	8.82
Bus	12.13	12.13
Average Commute Travel Time (Minutes)		
ALL	17.18	17.18
Auto	17.63	17.63
Other	14.33	14.33
Truck	16.45	16.45
Bus	40.90	40.90
Average Commute Speed (Miles per Hour)		
ALL	27.98	27.98

Note:

- Commute Travel Time includes both travel time and time spend waiting for transportation.
- Average commute speed is calculated using nonsegmented trips only

New York State - 2001 NHTS  
 Number of Households and Journey-To-Work Person Trips by Household Income  
 MPO: Ithaca

	Households	Commute Person Trips	Daily Trips/HH
TOTAL	37,072	19,409,606	1.43
< \$10,000	4,343	394,851	0.25
\$10 to \$20,000	5,583	1,976,341	0.97
\$20 to \$30,000	6,108	2,757,276	1.24
\$30 to \$40,000	4,188	2,197,291	1.44
\$40 to \$50,000	3,431	2,229,458	1.78
\$50 to \$60,000	2,600	2,264,133	2.39
\$60 to \$70,000	2,938	2,038,656	1.90
\$70 to \$80,000	1,581	1,642,875	2.85
\$80,000+	4,337	3,385,411	2.14
Unreported	1,962	523,314	0.73

New York State - 2001 NHTS  
 Workers and Their Home to Work Person Travel by Mode  
 MPO: Ithaca

	TOTAL	POV	Public Transit	Other	Walk	Unreported
% Workers	100.00	66.90	2.31	1.87	9.55	19.37
Average Trip Length (miles)	7.76	8.32	7.84	7.01	0.80	
Average Commute Time (Minutes)	17.18	16.83	35.46	22.34	13.87	
Travel Speed (MPH)	27.98	29.73	N/A	18.83	3.13	

Note:

- The percentage of workers traveling by different modes of transportation is based on the worker's usual mode of transportation. The rest of the statistics in this table are based on the actual mode of transportation as reported in the sample day.
- Average commute time includes both travel time and time waiting for transportation.
- Average commute speed is calculated using non-segmented trips only.

New York State - 2001 NHTS  
 Statistics on Journey-To-Work Person Travel per Worker  
 by Actual Mode of Transportation  
 MPO: Ithaca

	Person Trips	PMT	Average Trip Length
<b>TOTAL</b>	1.09	8.37	7.76
Auto, Van-driver	0.62	5.53	8.87
Auto, Van-passenger	0.06	0.28	5.09
Sports Utility	0.13	0.93	7.36
Pickup	0.14	1.20	9.02
Other POV	0.02	0.02	0.91
<b>Subtotal - Private</b>	0.96	7.96	8.32
Bus/Streetcar	0.02	0.16	7.84
<b>Subtotal - Public</b>	0.02	0.16	7.84
Walk	0.07	0.06	0.80
School Bus	<b>0.00</b>	<b>0.13</b>	<b>35.00</b>
Other	0.02	0.07	2.79
<b>Subtotal - Other</b>	0.10	0.26	2.51

Note:

- Average trip length is calculated using only those records with trip mile information present.
- Rail/Subway includes trips by subway, elevated rail, and commuter train.

New York State - 2001 NHTS  
 Statistics on Journey-To-Work Person Travel per Worker  
 by Segmented vs Non-Segmented Trips and MSA Status  
 MPO: Ithaca

	TOTAL			Segmented			Non-Segmented		
	Person Trips	PMT	Average Trip Length	Person Trips	PMT	Average Trip Length	Person Trips	PMT	Average Trip Length
Total	1.09	8.37	7.76	0.03	0.22	8.97	1.06	8.15	7.73
Not in MSA	1.09	8.37	7.76	0.03	0.22	8.97	1.06	8.15	7.73

Note: Average trip length is calculated using only those records where trip mile information is available

New York State - 2001 NHTS  
 Statistics on Journey-To-Work Person Trips per Worker  
 by Segmented Status and Primary Mode of Transportation  
 MPO: Ithaca

	TOTAL	Segmented	Non-Segmented
<b>TOTAL</b>	1.09	0.03	1.06
Auto, Van-driver	0.62	<b>0.00</b>	0.62
Auto, Van-passenger	0.06		0.06
Sports Utility	0.13		0.13
Pickup	0.14		0.14
Other POV	0.02		0.02
<b>Subtotal - Private</b>	0.96	0.00	0.96
Bus/Streetcar	0.02	0.02	
<b>Subtotal - Public</b>	0.02	0.02	
Bike	0.02		0.02
Walk	0.07		0.07
School Bus	<b>0.00</b>		<b>0.00</b>
<b>Subtotal - Other</b>	0.10		0.10

Note:

- For segmented trips, primary mode refers to the mode used during the trip segment with the longest travel time in minutes
- Rail/Subway includes trips by subway, elevated rail and commuter train.



New York State - 2001 NHTS  
Average Journey-To-Work Person Trip Length  
by Segmented Status and Primary Mode of Transportation  
MPO: Ithaca

	TOTAL	Segmented	Non-Segmented
<b>TOTAL</b>	7.76	8.97	7.73
Auto, Van-driver	8.87	<b>14.20</b>	8.83
Auto, Van-passenger	5.09		5.09
Sports Utility	7.36		7.36
Pickup	9.02		9.02
Other POV	0.91		0.91
<b>Subtotal - Private</b>	8.32	14.20	8.30
Bus/Streetcar	7.84	7.84	
<b>Subtotal - Public</b>	7.84	7.84	
Bike	2.79		2.79
Walk	0.80		0.80
School Bus	<b>35.00</b>		<b>35.00</b>
<b>Subtotal - Other</b>	2.51		2.51

Note:

- For segmented trips, primary mode refers to the mode used during the trip segment with the longest travel time in minutes
- Rail/Subway includes trips by subway, elevated rail and commuter train.
- Average trip length is calculated using only those records where trip mileage information is available
- For segmented trips, primary mode refers to the mode used during the trip segment with the longest travel time in minutes

New York State - 2001 NHTS  
Number of Segmented Journey-To-Work Person Trips by Number of Segments Taken  
MPO: Ithaca

Number of Segments	
Three	1,657,130
Four or more	<b>32,010</b>
At Least One Segment Walked	1,588,716

New York State - 2001 NHTS  
Annual Journey-To-Work Person Trips by Travel Time and Mode of Transportation  
MPO: Ithaca

	TOTAL	Unreported	Travel Time in Minutes					
			1-9 min	10-19 min	20-29 min	30-39 min	40-49 min	50+ min
TOTAL	19,409,606	234,796	4,550,240	7,964,001	3,875,450	1,898,192	281,368	605,558
Auto, Van-driver	11,152,055		2,462,582	4,767,519	2,201,969	1,106,052	183,765	430,167
Auto, Van-passenger	984,523	<b>13,532</b>	446,854	305,650	140,034	<b>56,299</b>	<b>22,154</b>	
Sports Utility	2,251,231		579,872	942,441	409,009	241,941		<b>77,970</b>
Pickup	2,466,933	<b>23,190</b>	391,363	1,152,981	586,121	260,077	<b>53,202</b>	
Other POV	327,287		327,287					
<b>Subtotal - Private</b>	17,182,029	36,722	4,207,957	7,168,591	3,337,132	1,664,368	259,121	508,137
Bus/Streetcar	384,954		<b>17,225</b>	<b>18,853</b>	193,240	<b>102,276</b>	<b>22,247</b>	<b>31,113</b>
<b>Subtotal - Public</b>	384,954		17,225	18,853	193,240	102,276	22,247	31,113
Walk	1,336,528	198,074	325,058	496,969	<b>184,879</b>	131,548		
School Bus	<b>66,308</b>							<b>66,308</b>
Other	439,786			279,587	160,199			
<b>Subtotal - Other</b>	1,842,623	198,074	325,058	776,557	345,078	131,548		66,308

Note:  
- Rail/Subway includes trips by subway, elevated rail and commuter train.

New York State - 2001 NHTS  
Annual Journey-To-Work Person Trips by Trip Length and Mode of Transportation  
MPO: Ithaca

	TOTAL	Trip Length in Miles						31 or more miles
		Unreported	5 or less miles	6-10 miles	11-15 miles	16-20 miles	21-30 miles	
TOTAL	19,409,606	<b>124,452</b>	10,207,295	4,741,799	2,741,248	661,001	369,393	564,418
Auto, Van-driver	11,152,055		5,509,471	2,943,918	1,633,716	297,014	309,370	458,566
Auto, Van-passenger	984,523		769,149	<b>42,698</b>	<b>94,723</b>	<b>77,953</b>		
Sports Utility	2,251,231		1,177,400	387,021	546,926	<b>100,340</b>		<b>39,544</b>
Pickup	2,466,933	<b>93,339</b>	543,382	1,234,414	350,081	185,694	<b>60,023</b>	
Other POV	327,287		327,287					
<b>Subtotal - Private</b>	<b>17,182,029</b>	<b>93,339</b>	<b>8,326,690</b>	<b>4,608,051</b>	<b>2,625,446</b>	<b>661,001</b>	<b>369,393</b>	<b>498,110</b>
Bus/Streetcar	384,954	<b>31,113</b>	122,806	<b>115,233</b>	<b>115,802</b>			
<b>Subtotal - Public</b>	<b>384,954</b>	<b>31,113</b>	<b>122,806</b>	<b>115,233</b>	<b>115,802</b>			
Walk	1,336,528		1,318,013	<b>18,516</b>				
School Bus	<b>66,308</b>							<b>66,308</b>
Other	439,786		439,786					
<b>Subtotal - Other</b>	<b>1,842,623</b>		<b>1,757,799</b>	<b>18,516</b>				<b>66,308</b>

Note:

- Rail/Subway includes trips by subway, elevated rail and commuter train.

New York State - 2001 NHTS  
 Annual Journey-To-Work Person Trips by Day of Week and Mode of Transportation  
 MPO: Ithaca

	ALL	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
ALL	19,409,606	913,257	2,536,172	3,515,373	3,777,389	3,537,191	4,644,955	485,269
POV-driver	15,490,258	519,545	2,087,375	2,715,954	3,143,049	2,628,516	3,996,707	399,112
POV-passenger	1,691,771	<b>103,250</b>	222,706	361,683	242,801	319,511	355,662	<b>86,158</b>
Other	506,094		<b>66,765</b>	<b>73,611</b>	232,173	<b>67,238</b>	<b>66,308</b>	
Public Transit	384,954		<b>18,853</b>	<b>107,809</b>	<b>25,082</b>	233,210		
Walk	1,336,528	290,462	140,473	256,316	134,284	288,715	226,278	

New York State - 2001 NHTS  
Annual Weekday Journey-To-Work Person Trips  
by Time of Day and Mode of Transportation  
MPO: Ithaca

	ALL	1-6 am	6-9 am	9 am-1 pm	1-4 pm	4-7 pm	7-10 pm	10 pm-1 am
ALL	17,355,076	470,564	5,210,917	2,666,214	2,607,903	5,066,300	945,344	387,835
Auto, Van-driver	10,053,165	189,192	3,072,569	1,459,581	1,479,910	2,971,478	589,939	290,495
Auto, Van-passenger	832,921	<b>32,773</b>	190,255	199,572	139,298	165,884	<b>91,607</b>	<b>13,532</b>
Sports Utility	2,094,921	<b>115,437</b>	718,925	315,150	275,535	640,305	<b>29,569</b>	
Pickup	2,226,553	<b>59,550</b>	740,310	279,000	262,258	721,031	143,197	<b>21,206</b>
Other POV	327,287		<b>81,822</b>	<b>163,644</b>	<b>67,307</b>		<b>14,515</b>	
Bus/Streetcar	384,954		228,598		<b>66,252</b>	<b>90,104</b>		
School Bus	<b>33,154</b>				<b>33,154</b>			
Bike	439,786	<b>73,611</b>	<b>116,086</b>	<b>67,001</b>		183,088		
Walk	962,334		<b>62,351</b>	182,266	284,188	294,410	<b>76,517</b>	<b>62,601</b>

Note: Rail/Subway includes trips by subway, elevated rail, and commuter train.

New York State - 2001 NHTS  
Average Vehicle Occupancy by Number of Household Members  
and Vehicle Type (Person Miles per Vehicle Mile)  
MPO: Ithaca

	TOTAL	Number of Household Members				
		1	2	3	4	5 to 14
All Days						
TOTAL	1.57	1.11	1.43	1.89	1.81	1.57
Auto	1.51	1.06	1.40	1.97	1.58	1.52
Van	1.65	1.00	1.55	2.26	1.76	1.70
Sports Utility	2.08	1.56	1.71	1.75	2.69	<b>3.00</b>
Pickup	1.34	1.60	1.36	1.32	1.27	1.32
Other Truck	1.99			2.00	<b>1.00</b>	
Motorcycle	1.11	<b>1.00</b>	1.24	<b>1.00</b>		
Weekday						
TOTAL	1.47	1.10	1.27	1.82	1.66	1.54
Auto	1.43	1.09	1.27	1.96	1.40	1.49
Van	1.49	1.00	1.26	1.47	1.74	1.65
Sports Utility	1.84	1.57	1.35	1.40	2.48	<b>3.00</b>
Pickup	1.27	1.00	1.23	1.36	1.28	1.32
Other Truck	1.99			2.00	<b>1.00</b>	
Motorcycle	1.00	<b>1.00</b>	<b>1.00</b>			
Weekend						
TOTAL	1.87	1.13	1.81	2.21	2.25	1.80
Auto	1.75	1.02	1.76	2.05	2.01	1.64
Van	2.11	1.00	1.94	2.69	1.81	2.07
Sports Utility	2.64	<b>1.00</b>	2.15	3.99	3.35	
Pickup	1.57	1.88	1.61	1.05	<b>1.11</b>	
Motorcycle	1.15		1.32	<b>1.00</b>		

New York State - 2001 NHTS  
Average Daily Vehicle Trips per Household by  
Number of Occupants and Household Income  
MPO: Ithaca

	TOTAL	Number of Persons on Trip					5 to 10	11 or More
		1	2	3	4			
All Days								
TOTAL	5.64	3.65	1.40	0.43	0.12	0.03	<b>0.00</b>	
< \$10,000	2.84	1.72	0.56	0.37	<b>0.15</b>	<b>0.04</b>		
\$10 to \$20,000	3.55	2.17	1.07	0.17	0.14			
\$20 to \$30,000	4.59	3.05	0.92	0.49	0.07	<b>0.05</b>		
\$30 to \$40,000	6.46	4.77	1.14	0.48	<b>0.07</b>			
\$40 to \$50,000	8.14	4.44	2.59	0.97	0.14			
\$50 to \$60,000	7.34	4.49	2.11	0.52	0.21		<b>0.01</b>	
\$60 to \$70,000	6.21	4.14	1.72	<b>0.16</b>	0.19			
\$70 to \$80,000	8.20	5.64	1.77	0.79				
\$80,000+	7.86	5.46	1.70	0.44	0.16	0.10		
Unreported	4.82	2.85	1.79	0.14		<b>0.04</b>		
Weekday								
TOTAL	5.95	4.08	1.45	0.34	0.06	0.02		
< \$10,000	2.88	1.73	0.61	0.49		<b>0.05</b>		
\$10 to \$20,000	3.69	2.25	1.26	0.18				
\$20 to \$30,000	4.08	3.05	0.60	0.35		<b>0.08</b>		
\$30 to \$40,000	6.97	5.67	1.08	0.12	<b>0.10</b>			
\$40 to \$50,000	9.34	5.44	3.22	0.51	0.18			
\$50 to \$60,000	7.64	5.07	1.99	0.54	<b>0.04</b>			
\$60 to \$70,000	5.73	3.92	1.67	<b>0.14</b>				
\$70 to \$80,000	9.92	7.11	1.82	0.98				
\$80,000+	8.49	6.36	1.63	0.30	0.21	<b>0.01</b>		
Unreported	6.06	3.39	2.42	0.19		<b>0.06</b>		
Weekend								
TOTAL	4.92	2.62	1.29	0.67	0.28	0.04	<b>0.00</b>	
< \$10,000	2.74	1.70	0.46	<b>0.06</b>	<b>0.52</b>			
\$10 to \$20,000	3.21	2.00	0.60	<b>0.12</b>	0.50			
\$20 to \$30,000	5.92	3.09	1.72	0.85	0.25			
\$30 to \$40,000	5.24	2.56	1.29	1.39				
\$40 to \$50,000	5.20	1.97	1.05	2.13	<b>0.05</b>			
\$50 to \$60,000	6.66	3.09	2.42	0.47	0.64		<b>0.04</b>	
\$60 to \$70,000	7.46	4.74	1.88	<b>0.19</b>	0.66			
\$70 to \$80,000	3.99	2.00	1.66	0.33				
\$80,000+	6.34	3.27	1.90	0.80	<b>0.04</b>	0.33		
Unreported	1.76	1.52	<b>0.24</b>					



New York State - 2001 NHTS  
Average Daily Vehicle Trips per Household by  
Ridesharing Status and Household Composition  
MPO: Ithaca

	TOTAL	Single Occupancy Trips	Multi- Occupancy Trips
All Days			
Household Composition			
TOTAL	5.64	3.65	1.98
1 Adult, No Child	2.50	2.17	0.32
2+ Adults, No Child	5.77	3.91	1.86
1 Adult, Child <6	3.34	<b>0.87</b>	2.47
2+ Adults, Child <6	8.14	4.71	3.43
1 Adult, Child 6-15	2.48	1.58	0.91
2+ Adults, Child 6-15	8.75	4.56	4.19
1 Adult, Child 16-21	8.87	4.60	4.27
2+ Adults, Child 16-21	12.06	8.34	3.72
1 Adult, Retired, No Child	2.07	1.93	0.14
2+ Adults, Retired, No Child	7.39	4.65	2.74
Weekday			
Household Composition			
TOTAL	5.95	4.08	1.87
1 Adult, No Child	2.59	2.25	0.35
2+ Adults, No Child	6.04	4.30	1.74
1 Adult, Child <6	4.69	<b>1.22</b>	3.47
2+ Adults, Child <6	8.93	5.60	3.33
1 Adult, Child 6-15	2.41	1.65	0.76
2+ Adults, Child 6-15	9.54	5.33	4.21
1 Adult, Child 16-21	7.32	4.03	3.29
2+ Adults, Child 16-21	11.87	9.25	2.62
1 Adult, Retired, No Child	2.38	2.29	<b>0.09</b>
2+ Adults, Retired, No Child	7.62	5.22	2.40
Weekend			
Household Composition			
TOTAL	4.92	2.62	2.30
1 Adult, No Child	2.28	2.01	0.27
2+ Adults, No Child	5.14	2.95	2.19
2+ Adults, Child <6	6.22	2.51	3.71
1 Adult, Child 6-15	2.69	<b>1.42</b>	<b>1.27</b>
2+ Adults, Child 6-15	6.87	2.69	4.18
1 Adult, Child 16-21	12.82	6.05	6.76
2+ Adults, Child 16-21	12.65	6.16	6.49
1 Adult, Retired, No Child	1.31	1.05	<b>0.25</b>
2+ Adults, Retired, No Child	6.89	3.28	3.61

New York State - 2001 NHTS  
Average Vehicle Occupancy by Household Composition  
and Trip Purpose (Person Miles per Vehicle Mile)  
MPO: Ithaca

	TOTAL	Earn a Living	Family & Personal Business	Civic, Educational & Religious	Social & Recreational	Other	Unreported
			All Days				
TOTAL	1.57	1.19	1.61	2.02	1.83	2.84	<b>1.00</b>
1 Adult, No Child	1.12	1.11	1.19	1.02	1.10		
2+ Adults, No Child	1.54	1.20	1.29	2.34	1.85	3.39	<b>1.00</b>
1 Adult, Child <6	1.88	1.52	1.98		<b>2.00</b>		
2+ Adults, Child <6	1.56	1.27	1.66	3.31	2.42	<b>1.61</b>	
1 Adult, Child 6-15	1.18	<b>1.00</b>	1.16	<b>1.90</b>			
2+ Adults, Child 6-15	2.04	1.15	2.39	1.96	2.42		
1 Adult, Child 16-21	1.54	1.00	1.61	<b>1.29</b>	1.67		
2+ Adults, Child 16-21	1.39	1.03	1.65	1.00	1.99	<b>1.00</b>	
1 Adult, Retired, No Child	1.02	<b>1.00</b>	1.02	<b>1.00</b>	1.05		
2+ Adults, Retired, No Child	1.48	1.28	1.59	1.71	1.39	1.38	
			Weekday				
TOTAL	1.47	1.18	1.53	2.13	1.67	1.49	<b>1.00</b>
1 Adult, No Child	1.12	1.12	1.08	1.20	1.16		
2+ Adults, No Child	1.44	1.10	1.15	2.38	1.94	1.51	<b>1.00</b>
1 Adult, Child <6	1.88	1.52	1.98		<b>2.00</b>		
2+ Adults, Child <6	1.39	1.28	1.56	<b>3.00</b>	1.69	<b>1.61</b>	
1 Adult, Child 6-15	1.09	<b>1.00</b>	1.17	<b>1.00</b>			
2+ Adults, Child 6-15	1.93	1.16	2.48	1.26	2.06		
1 Adult, Child 16-21	1.44	<b>1.00</b>	1.59	<b>2.00</b>	1.25		
2+ Adults, Child 16-21	1.21	1.04	1.51	1.00	1.99	<b>1.00</b>	
1 Adult, Retired, No Child	1.02	<b>1.00</b>	1.02	<b>1.00</b>	1.05		
2+ Adults, Retired, No Child	1.37	1.28	1.52	1.73	1.19	1.38	
			Weekend				
TOTAL	1.87	1.35	1.81	1.72	2.04	<b>5.68</b>	
1 Adult, No Child	1.13	1.00	1.35	1.00	1.02		
2+ Adults, No Child	1.84	1.72	1.85	1.05	1.77	<b>5.68</b>	
2+ Adults, Child <6	2.47	1.00	1.96	<b>3.40</b>	3.45		
1 Adult, Child 6-15	1.73		<b>1.00</b>	<b>2.00</b>			
2+ Adults, Child 6-15	2.40	1.00	2.10	2.66	3.11		
1 Adult, Child 16-21	1.58	<b>1.00</b>	1.62	<b>1.00</b>	1.92		
2+ Adults, Child 16-21	1.76	1.00	1.82		1.99		
1 Adult, Retired, No Child	1.06		1.06	<b>1.00</b>	<b>1.00</b>		
2+ Adults, Retired, No Child	1.81		1.77	1.71	1.94		

## **APPENDIX A**

### **TRAVEL CONCEPTS AND GLOSSARY OF TERMS**



# TRAVEL CONCEPTS AND GLOSSARY OF TERMS

## TRAVEL CONCEPTS

### TRIP

**DEFINITION** - A trip is defined as any time the respondent went from one address to another by private motor vehicle, public transportation, bicycle, walking, or other means. However, a separate trip is not counted in two instances:

- When the sole purpose for the trip is to get to another vehicle or mode of transportation in order to continue to the destination.
- Travel within a shopping center, mall or shopping areas of 4-5 blocks is to be considered as travel to one destination.

This definition does not apply to trips eligible for reporting in the Travel Period. See the glossary for “Travel-Period trip.”

### PERSON TRIP

**DEFINITION** - A trip by one person in any mode of transportation. This is the most basic and universal measure of personal travel. Each record in the Travel Day and Travel Period files in the NPTS dataset represents one-person trip.

**EXAMPLES** - Two people traveling together in one car are counted as two person trips. Three people walking to the store together are counted as three person trips.

**WHEN TO USE** -The unit of person trips must be used when comparing travel by various modes (e.g., private vehicles, public transportation, walking, school bus, air, etc.). It is the appropriate unit of measure for the movement of people, as opposed to vehicles, e.g., “the High Occupancy Vehicle (HOV) lanes carry 42 percent of all person trips to the central city.”

**PERSON  
MILES OF  
TRAVEL  
(PMT)**

**DEFINITION** - The number of miles traveled by each person on a trip.

**EXAMPLES** - If two people traveling together take a six-mile subway trip to the airport, that trip results in 12 person miles of travel. A four-mile van trip with a driver and three passengers counts as 16 person miles of travel.

**WHEN TO USE** - As with person trips, person miles must be used when analyzing travel by the various modes of transport. It is the appropriate measure when the topic of analysis is the miles traveled by people, not vehicles.

**VEHICLE  
TRIPS**

**DEFINITION** - A trip by a single privately operated vehicle (POV) regardless of the number of persons in the vehicle.

**EXAMPLES** - Two people traveling together in a car would be counted as one vehicle trip. Four people going to a restaurant in a van are considered one vehicle trip.

**NHTS MODE RESTRICTIONS** - To be considered a vehicle trip in NHTS, the trip must have been made in a privately operated vehicle, namely a household-based car, van, sport utility vehicle, pickup truck, other truck, recreational vehicle, motorcycle or other POV. The vehicle does not need to belong to the household.

Trips made in other highway vehicles, such as buses, streetcars, taxis, and school buses are collected in the NHTS, but these are not counted as vehicle trips.

**WHEN TO USE** - The unit of vehicle trips is most appropriately used when considering POV travel, e.g., “20 percent of all POV trips are for commuting to and from work.”

**VEHICLE  
MILES OF  
TRAVEL  
(VMT)**

**DEFINITION** - One vehicle mile of travel is the movement of one privately operated vehicle (POV) for one mile, regardless of the number of people in the vehicle.

**EXAMPLES**- When one person drives her car 12 miles to work, 12 vehicle miles of travel have been made. If two people travel three miles by pickup, three vehicle miles of travel have been made.

**MODE RESTRICTIONS** - For NHTS data, vehicle miles are restricted to privately operated vehicles as vehicle trips (see above), that is a household-based car, van, sport utility vehicle, pickup truck, other truck, recreational vehicle, or other POV.

**WHEN TO USE-** Vehicle miles of travel (VMT) are a very commonly used measure of highway travel. This measure is particularly important when analyzing highway capacity, congestion and air quality.

**VEHICLE  
OCCUPANCY**

**DEFINITION -** For NHTS data, vehicle occupancy is generally computed as person miles of travel per vehicle mile. Note that the other commonly used definition of vehicle occupancy is persons per vehicle trip.

**DAILY TRIP  
RATES**

**DEFINITION -**

**Average Daily Person Travel per Person** The average daily number of person trips or person miles of travel taken by a person. This includes persons who did not travel during the designated travel day. Among the 30,268 persons interviewed for the New York NHTS add-on, 3,867 persons did not take any trips on their travel days.

**Average Daily Travel per Household** The average daily number of person trips, vehicle trips, person miles of travel, vehicle miles of travel, or journey-to-work trips taken by a household. This includes households that did not travel during the designated travel day.

**Average Daily Vehicle Travel per Driver** The average daily number of vehicle trips or vehicle miles of travel taken by an individual driver. This includes drivers who did not drive during the designated travel day.

**Average Daily Journey-to-Work Travel per Worker** The average daily number of JTW trips or JTW miles of travel taken by a worker. This includes workers who worked at home and workers who did not travel to work during the designated travel day.

**HOW TO COMPUTE -** Compute the travel total (e.g. Vehicle Trips, VMT, Person Trips, etc.) as described above. Divide the travel total by the total number of persons, households, drivers, or workers to derive a corresponding daily travel rate.

## GLOSSARY

This glossary provides the most commonly used terms in the NHTS and definitions of those terms. These definitions are provided to assist the user in the interpretation of the NHTS data.

<b>Adult</b>	A person 18 years or older.
<b>Block Group</b>	A subdivision of a Census tract that averages 1,000 to 1,100 people, and approximately 400-500 housing units.
<b>Census Tract</b>	A small subdivision of a county, containing approximately 4,000 persons. Tracts can range in population from 2,500 to 8,000. The geographic size of the tract may vary considerably, depending on population density. Tracts were designed to be homogeneous in regard to population characteristics, economic status and living conditions when they were first delineated. Since the first tracts were delineated for the 1890 Census, today=s tracts may be far from homogeneous.
<b>Child</b>	A child is normally defined as a person under the age of 18. An exception to this is for life cycle, where a child can be anyone through the age of 21 who is listed as a child to the household respondent.
<b>Consolidated Metropolitan Statistical Area (CMSA)</b>	A large metropolitan complex of 1 million or more population, containing two or more identifiable component parts designated as primary metropolitan statistical areas (PMSAs). For example, the Boston-Worcester-Lawrence CMSA is composed of the following ten PMSAs: Boston, Brockton, Fitchburg-Leominster, Lawrence, Lowell, Manchester, Nashua, New Bedford, Portsmouth-Rochester, and Worcester.
<b>Destination</b>	For travel day trips, the destination is the point at which there is a break in travel, except if the break is only to change vehicles or means of transport.  For travel period trips, the destination is the farthest point of travel.
<b>Driver</b>	A driver is a person who operates a motorized vehicle. If more than one person drives on a single trip, the person who drives the most miles is classified as the principal driver.



<b>Employed</b>	A person is considered employed if he/she worked for pay, either full time or part time, during the week before the interview. This includes persons who work at home.
<b>Education Level</b>	The number of years of regular schooling completed in graded public, private, or parochial schools, or in colleges, universities, or professional schools, whether day school or night school.
<b>Household</b>	A group of persons whose usual place of residence is a specific housing unit; these persons may or may not be related to each other. The total of all U.S. households represents the total civilian non-institutionalized population. A household does not include group quarters (i.e., 10 or more persons living together, none of whom are related).
<b>Household Income</b>	Household income is the money earned by all family members in a household, including those temporarily absent. Annual income consisted of the income earned 12 months preceding the interview. Household income includes monies from all sources, such as wages and salary, commissions, tips, cash bonuses, income from a business or farm, pensions, dividends, interest, unemployment or workmen=s compensation, social security, veterans= payments, rent received from owned property (minus the operating costs), public assistance payments, regular gifts of money from friends or relatives not living in the household, alimony, child support, and other kinds of periodic money income other than earnings. Household income excludes in-kind income such as room and board, insurance payments, lump-sum inheritances, occasional gifts of money from persons not living in the same household, withdrawal of savings from banks, tax refunds, and the proceeds of the sale of one=s house, car, or other personal property.
<b>Household Members</b>	Household members include all people, whether present or temporarily absent, whose usual place of residence is in the sample unit. Household members also include people staying in the sample unit who have no other usual place of residence elsewhere.
<b>Household Vehicle</b>	A household vehicle is a motorized vehicle that is owned, leased, rented or company-owned and available to be used regularly by household members during the two-week travel period. Household vehicles include vehicles used solely for business purposes or business-owned vehicles, so long as they are driven home and can be used for the home to work trip, (e.g., taxicabs, police cars, etc.). Household vehicles include all vehicles that were owned or available for use by members of the household during the travel period, even though a vehicle may have been sold before the interview. Vehicles excluded from household vehicles are those that were not working and were not expected to be working within 60 days, and vehicles that were purchased or received after the designated travel day.

**Journey-to-Work Trips (JTW)**

Includes travel to and from a place where one reports for work. Does not include any other work-related travel. Does not include any trips for persons who work at home.

**Licensed Driver**

A licensed driver is any person who holds a valid driver=s license from any state.

**Means of Transportation**

A mode of travel used for going from one place (origin) to another (destination). A means of transportation includes private and public modes, as well as walking. The following transportation modes, grouped by major mode, are included in the NHTS data.

**Private Vehicle**

**Automobile** A privately owned and/or operated licensed motorized vehicle including cars and station wagons. Leased and rented cars are included if they are privately operated and not used for picking up passengers in return for fare.

**Van** A privately owned and/or operated van or minivan designed to carry 5 to 13 passengers, or to haul cargo.

**Sport Utility Vehicle** A privately owned and/or operated vehicle that is a hybrid of design elements from a van, a pickup truck and a station wagon. Examples include a Chevrolet Blazer, Ford Bronco, Jeep Cherokee, or Nissan Pathfinder.

**Pickup Truck** A pickup truck is a motorized vehicle, privately owned and/or operated, with an enclosed cab that usually accommodates 2-3 passengers, and an open cargo area in the rear. This category also includes pickups with campers.

**Other Truck** This category consists of all trucks other than pickup trucks (i.e., dump trucks, trailer trucks, etc.).

**RV or Motor Home** An RV or motor home includes a self-powered recreational vehicle that is operated as a unit without being towed by another vehicle (e.g., a Winnebago motor home).

**Motorcycle** This category includes large, medium, and small motorcycles. Minibikes are excluded because they cannot be licensed for highway use.

**Other POV** A privately owned and/or operated vehicle that cannot be classified into one of the categories above.

## **Public Transportation**

**Bus** The bus category includes intercity buses, mass transit systems, and shuttle buses that are available to the general public. Also, Dial-A-Bus and Senior Citizen buses that are available to the public are included in this category. However, shuttle buses operated by a government agency or private industry for the convenience of employees, contracted or chartered buses, or school buses are excluded from this category.

**Commuter Train** This category includes commuter trains and passenger trains other than elevated rail trains and subways. Commuter Train also includes local and commuter train service. Amtrak intercity service is excluded from this category.

**Streetcar/Trolley** This category includes trolleys, street-cars, and cable cars.

**Elevated Rail/Subway** This category includes elevated railways and subway trains in a city.

### **Other Modes**

**Amtrak** Amtrak is defined as the U.S. national passenger railroad service providing intercity train service. Amtrak intercity service is excluded from the commuter train data.

**Airplane** Airplanes include commercial airplanes and smaller planes that are available for use by the general public in exchange for a fare. Private planes and helicopters are included under "Other."

**Taxi** Taxis include the use of a taxicab by a driver for hire, or by a passenger for fare, and airport limousines. The taxi category does not include rental cars if they are privately operated and not picking up passengers in return for fare.

**Bicycles** This category includes bicycles of all speeds and sizes that do not have a motor.

**Walk** This category includes walking and jogging.

**School Bus** This category includes county school buses, private school buses, and buses chartered from private companies for the express purposes of carrying students to or from school and/or school-related activities.

**Moped (Motorized Bicycle)** This category includes motorized bicycles equipped with a small engine, typically characteristic of a two horsepower motor or less. Minibikes, dirt bikes, and trail bikes are excluded from this category. Note that a motorized bicycle may or may not be licensed for highway use.

**Other** Includes any types of transportation not previously listed, e.g. ferry boat, charter bus, etc.

<b>Metropolitan Statistical Area (MSA)</b>	Except in the New England States, a Metropolitan Statistical Area is a county or group of contiguous counties that contains at least one city of 50,000 inhabitants or more, or “twin cities” with a combined population of at least 50,000. In addition, contiguous counties are included in an MSA if, according to certain criteria, they are socially and economically integrated with the central city. In the New England States, MSA=s consist of towns and cities instead of counties.
<b>Motorized Vehicle</b>	Motorized vehicles are all vehicles that are licensed for highway driving. Snowmobiles and minibikes are specifically excluded.
<b>Occupancy</b>	Occupancy is the number of persons, including driver and passenger(s) in a vehicle. NHTS occupancy rates are generally defined as person miles divided by vehicle miles.
<b>Origin</b>	Origin is the starting point of a trip.
<b>Overlap Trip</b>	A travel period trip that occurs on travel day, and is thus collected in both portions of the NHTS questionnaire. To insure that this trip is not counted twice, eliminate overlap trips from travel day data when travel day and travel period data will be added together.
<b>Passenger</b>	For a specific trip, a passenger is any occupant of a motorized vehicle, other than the driver.
<b>Person Miles of Travel (PMT)</b>	PMT is a primary measure of person travel. When one person travels one mile, one-person mile of travel results. When four persons travel 5 miles in the same vehicle, 20 person miles of travel result ( $4 \times 5 = 20$ ).
<b>Person Trip</b>	A person trip is a trip by one person in any mode of transportation. When four persons travel together in one auto, four person trips result.
<b>POV</b>	A privately owned vehicle or privately operated vehicle. The intent here is that this is not a vehicle available to the public for a fee, such as a bus, subway, taxi, etc.

<b>Retired Person</b>	Any person 65 or older who is not working.
<b>Seasonal Variation</b>	<p>Season is defined as:</p> <p>Winter: December through February;  Spring: March through May;  Summer: June through August;  Fall: September through November.</p>
<b>Travel Day</b>	A travel day is a 24-hour period from 4:00 a.m. to 3:59 a.m. designated as the reference period for studying trips and travel by members of a sampled household.
<b>Travel Period</b>	A travel period consists of 28 days. The travel period is the 27-day period that precedes the travel day, and includes the 28th day as the travel day for a sampled household.
<b>Travel Day Trip</b>	<p>A travel day trip is defined as any time the respondent went from one address to another by private motor vehicle, public transportation, bicycle, walking, or other means. However, a separate trip is not counted in two instances:</p> <ol style="list-style-type: none"> <li>1. When the sole purpose for the trip is to get to another vehicle or mode of transportation in order to continue to the destination.</li> <li>2. Travel within a shopping center, mall or shopping areas of 4-5 blocks is to be considered as travel to one destination.</li> </ol>
<b>Travel Period Trip</b>	A travel period trip is a trip where the farthest destination is at least 50 miles from home. The outgoing portion of this trip can take place at any time, but the return must be within the four-week travel period. The four-week travel period ends on and includes the assigned travel day.
<b>Trip Purpose</b>	<p>A trip purpose is the main reason that motivates a trip. There are 36 travel day trip purposes used in the 2001 NHTS. For the 2001 Survey, trip purposes were collected using a <i>From-To</i> approach. For each trip, the origin and destination are on the file in generic terms, e.g. from work to shopping. The 36 trip reasons are defined as follows:</p> <p><b><i>Return Home</i></b></p> <ol style="list-style-type: none"> <li>1. <i>To Home</i>. Travel to home after leaving for some reason.</li> </ol> <p><b><i>To Work</i></b></p> <ol style="list-style-type: none"> <li>2. <i>Go to Work</i>. The first trip to the work location on travel day.</li> </ol> <p><b><i>Return to Work</i></b></p> <ol style="list-style-type: none"> <li>3. <i>Return to Work</i>. A trip to work that is not the first trip to work on the travel day.</li> </ol>

### ***Work-Related***

4. *Attend Business Meeting/Trip.* A work related trip whose purpose is to attend a business meeting.
5. *Other Work Related.* A work related trip whose purpose is not specifically to attend a business meeting.

### ***School***

6. *Go to School as a Student.* A trip whose purpose is to go to school as a student.
7. *Go to Library, School Related.* A trip whose purpose is to go to the library as part of a school related activity.
8. *Other School/Religious Activity.* School and religious activities not covered by categories 6, 7 and 9.

### ***Religious***

9. *Go to Religious Activity.* A trip whose purpose is to go to a place to attend a religious activity.

### ***Medical/Dental***

10. *Medical/Dental Services.* A trip made for medical, dental, or mental health treatment, or other related professional services.

### ***Other Family and Personal***

11. *Go to Daycare.* A trip whose purpose is to attend day care.
12. *Use Professional Services, Attorney/Accountant.* A trip made for professional services other than for medical/dental purposes.
13. *Attend Funeral/Wedding.* A personal trip to attend a funeral or a wedding.
14. *Use Personal Services, Grooming/Haircut/Nails.* A trip for personal services such as to a hairdresser.
15. *Pet Care, Walk the dog/Vet visits.*
16. *Attend Meeting, PTA/Home Owners Association/Local Government.* The purpose of the trip is to attend a non-work related meeting, such as a community meeting.
17. *Family Personal Business/Obligations.* A trip for personal business not covered by categories 12 through 16 above.

### ***Shopping***

18. *Buy Goods,* (e.g., groceries/clothing/hardware store). A shopping trip whose purpose is to purchase commodities for use or consumption elsewhere. This purpose also includes window-shopping and trip made to shop even if nothing is purchased.
19. *Buy Services,* (e.g., video rentals/dry cleaning/post office/car service/bank). The category includes the purchase of services other than medical/dental or other professional services.
20. *Buy Gas.* A trip made specifically to get gas.

21. *Shopping/Errands*. Shopping/errand trips not covered by categories 18 through 20 above.

***Social and Recreational***

22. *Go to the Gym/Exercise/Play Sports*. A trip made for exercise or to participate in a sport.
23. *Rest or Relaxation/Vacation*.
24. *Visit Friends/Relatives*. The social/recreational trip whose purpose is to visit with family and friends.
25. *Go out/Hang out, Entertainment/Theater/Sports Event/Go to Bar*. The purpose of the trip is entertainment or hanging out with friends.
26. *Visit Public Place, Historical Site/Museum/Park/Library*.
27. *Social/Recreational*. Includes social and recreational trips not covered by categories 22 through 26 above.

***Serve Passengers***

28. *Pickup Someone*.
29. *Take and Wait*. A trip made to take someone to a destination and then wait with them at the destination and return together.
30. *Drop Someone Off*.
31. *Transport Someone*. Trips with a passenger that are related to picking up or dropping off someone but not covered by categories 28 through 30.

***Eat Meal***

32. *Social Event*. A trip whose purpose is to eat a meal at a social event.
33. *Get/Eat Meal*. A trip whose purpose is to get and eat a meal but not at a social event.
34. *Coffee/Ice Cream/Snacks*. A trip whose purpose is to get/eat a snack or drink, something less than a meal.
35. *Meals*. A trip whose purpose is to eat or get a meal but not covered by categories 32 through 34 above.

***Other***

36. *Other*. A trip purpose not covered by categories 1 through 35 above.

**Urbanized Area**

An urbanized area consists of the built up area surrounding a central core (or central city), with a population density of at least 1,000 persons per square mile. Urbanized areas do not follow jurisdictional boundaries, thus it is common for the urbanized area boundary to divide a county.

For the 2001 NHTS, Urban Areas were calculated two ways:

1. Variable URBAN uses the 2000 Urbanized Areas: Cartographic

Boundary Files. File ua00\_d00.shp from <http://www.census.gov/geo/www/cob/ua2000.html>. Two codes are used: 0 = Not in Urban Area, 1 = in Urban Area

2. Variable URBAN1 uses the 2000 Urbanized Areas: Cartographic Boundary Files. File ua00\_d00.shp from <http://www.census.gov/geo/www/cob/ua2000.html>. Four codes are used: 0 = Not in Urban Area, 1 = in Urban Cluster, 2 = in Urban Area, 3 = in area surrounded by urban areas.

**Vehicle** In the 2001 NHTS, the term vehicle includes autos, passenger vans, sport utility vehicles, pickups and other light trucks, RV=s, motorcycles and mopeds owned or available to the household. Note that in the 1969 NPTS, the term vehicle was limited to cars or passenger vans. Estimates show that in 1969 there were an additional 7.5 million pickups and other light trucks that are not reflected in the 1969 NPTS data.

**Vehicle Miles of Travel (VMT)** VMT is a unit to measure vehicle travel made by a private vehicle, such as an automobile, van, pickup truck, or motorcycle. Each mile traveled is counted as one vehicle mile regardless of the number of persons in the vehicle.

**Vehicle Occupancy** Vehicle occupancy is the number of persons, including driver and passenger(s) in a vehicle; also includes persons who did not complete a whole trip. NHTS occupancy rates are generally calculated as person miles divided by vehicle miles.

**Vehicle Trip** A trip by a single privately operated vehicle (POV) regardless of the number of persons in the vehicle.

**Vehicle Type** For purposes of the 2001 NHTS, one of the following:

1. Automobile (including station wagon)
2. Van
3. Sport Utility Vehicle
4. Pickup Truck (including pickup with camper)
5. Other Truck
6. RV or Motor Home
7. Motorcycle
8. Other

See “Means of Transportation” for definitions of these vehicle types. For NPTS, vehicle types are limited to privately operated vehicles (POV) because other vehicles that the respondent may have ridden in (e.g., bus) were not tracked throughout the day, as was the case with household vehicles.



<b>Weekday</b>	Weekday is defined as the time between 12:01 a.m. Monday and 6:00 p.m. Friday. This was done because Friday evening is considered the start of the weekend.
<b>Weekend</b>	Weekend is defined as the time between 6:01 p.m. Friday and midnight Sunday.
<b>Worker</b>	See “Employed.”



## **APPENDIX B**

### **SUPPLEMENTARY TABLES**



New York State - 2001 NHTS  
Number of Persons by Age and Gender  
Ithaca MPO

	TOTAL	Male	Female
TOTAL	85,648	41,903	43,745
Unreported	1,345	648	697
0-4	4,732	1,449	3,283
5-15	10,147	5,430	4,717
16-19	4,596	2,310	2,286
20-29	15,837	9,296	6,541
30-39	12,238	6,297	5,941
40-49	13,434	6,227	7,207
50-59	9,694	4,166	5,528
60-64	3,588	1,848	1,740
65+	10,037	4,232	5,805

New York State - 2001 NHTS  
 Number of Persons by Age and Gender  
 Ithaca MPO

	TOTAL	Not		Non-Driver
		Ascertain	Driver	
TOTAL	85,648	14,043	64,322	7,284
Unreported	1,345		854	491
0-4	4,732	4,732		
5-15	10,147	9,177	<b>136</b>	834
16-19	4,596		3,751	845
20-29	15,837		14,749	1,088
30-39	12,238	<b>134</b>	11,582	522
40-49	13,434		12,339	1,095
50-59	9,694		9,029	665
60-64	3,588		3,329	<b>260</b>
65+	10,037		8,553	1,485

New York State - 2001 NHTS  
Number of Persons by Age and Gender  
Ithaca MPO

TOTAL	85,648
Unreported	1,345
Under 65	74,265
65+	10,037

New York State - 2001 NHTS  
Number of Persons by Age and Gender  
Ithaca MPO

TOTAL	85,648
Not in MSA	85,648



New York State - 2001 NHTS  
Number of Persons by Age and Gender  
Ithaca MPO

TOTAL	85,648
MSA Size	
Not in MSA	85,648

New York State - 2001 NHTS  
Number of Persons by Age and Gender  
Ithaca MPO

TOTAL	85,648
MSA does not have rail, or hh not in an MSA	85,648

New York State - 2001 NHTS  
Number of Persons by Age and Gender  
Ithaca MPO

TOTAL	64,322
Unreported	854
14-15	<b>136</b>
16-19	3,751
20-29	14,749
30-39	11,582
40-49	12,339
50-59	9,029
60-64	3,329
65 and over	8,553

New York State - 2001 NHTS  
Number of Persons by Age and Gender  
Ithaca MPO

TOTAL	37,072
Not in MSA	37,072

New York State - 2001 NHTS  
Number of Persons by Age and Gender  
Ithaca MPO

TOTAL	48,973
Not in MSA	48,973

