

# ***KIPDA Regional Household Travel Survey Final Report***

Conducted for  
**The Kentuckiana Regional Planning  
and Development Agency**

by  
**ETC Institute**  
and  
Bucher Willis and Ratliff

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***Miles Driven Per Day in Private Vehicles***

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# *Executive Summary*



## **Overview**

**Purpose.** KIPDA initiated this study during the Fall of 2000 for the purpose of updating regional travel demand models. The universe for the survey consisted of households in the five-county Louisville transportation planning study area, including Clark and Floyd counties in Indiana and Bullitt, Jefferson, and Oldham counties in Kentucky. The original goal for the project was to obtain completed surveys from at least 3,500 randomly sampled households in the region. The actual number of completed household travel surveys was 4,433. Of these, 4,113 were completed with households that were selected at random by phone. The remaining 320 were completed with representatives of traditionally underserved populations that were recruited at locations that serve ethnic minorities, persons with disabilities, the elderly, and persons with low incomes. The data resulting from the survey only reflected travel by the selected residents of the five counties listed above. Travel in the region by persons who were not residents of those five counties was not surveyed.

**Sampling Methodology.** To ensure that statistically valid results would be obtained for each of the five counties in the study area, the sample plan was designed to ensure the completion of at least 300 household surveys per county. A separate review of the data needs for Jefferson County was conducted to ensure that data for Jefferson County would be statistically valid by subregions within the county. A sample size of 2,256 households in Jefferson County proportionately distributed among the eight Census County Divisions (CCD's) would generate sample sizes of approximately 250-350 households per CCD with the exception of Louisville Central. Since Louisville Central was going to be well represented in the on-site survey of traditionally underserved populations, further modifications to the sample plan were not made.

**Survey Design.** During the month of September 2000, members of the consulting team and KIPDA's project management team conducted an assessment of the survey design. The assessment included a review of the goals and objectives for the project and the identification of all data requirements. Samples of survey instruments that had been administered by ETC Institute for travel surveys in other communities were used as the basis for the development of this household travel survey.

**Focus Groups.** Following the initial assessment, drafts of all survey materials were developed and presented to two focus groups. One focus group was conducted with a group of ten randomly selected residents from the region. The other focus group was conducted with six KIPDA employees who were not involved in the project.

**Pretest of the Survey.** After the focus groups, ETC Institute conducted a pretest of the survey with a random sample of 15 households in the study area. An additional 10 households were recruited from KIPDA staff, who were not directly involved in the management of the study, for a total of 25 households. The pretest was administered using the same procedures and materials that were to be used for the actual survey.

No major problems were identified during the pretest, and only minor revisions to survey documents were required. Following the administration of the pretest, the results of the pretest were compiled in a database that was forwarded to KIPDA. KIPDA reviewed the format of the survey database to ensure that the database was compatible with KIPDA data processing programs.

**Survey of Traditionally Underserved Populations.** The project team recognized the importance of capturing travel data for traditionally underserved populations, such as low income mothers with children, non-English speaking persons, disabled persons, segments of the elderly population, ethnic minorities, and others who would have been difficult to recruit by phone. Although these groups were captured in the random household travel survey, an additional 320 surveys were administered to members of these traditionally underserved groups to ensure that the travel patterns of these populations were accurately recorded. Although the data from the traditionally underserved population were not included in the majority of the trip rate calculations that are provided with this report, the data have been used to augment cells that would have otherwise been underrepresented.

**Database Description.** The survey database consists of approximately 30,000 trip records. The contents of the entire database were exported from the survey recording database as a set of five Microsoft Excel spreadsheets, each representing a completed batch of records. The spreadsheets were combined into a single Microsoft Access database table.

**Address Geocoding.** TransCAD 4.0, by Caliper Corporation, and ArcView 3.2, by ESRI, were used as the geocoding engines. While ArcView remains the primary geocoding tool where reference address layers are of high quality, as was the case for Jefferson County where KIPDA provided the Louisville-Jefferson County Information Consortium's (LOJIC) street segment and point files, additional coding flexibility is often needed for more complex or voluminous data sets. The current version of TransCAD provides some of the most sophisticated address matching functionality available.

To verify TransCAD's geocoding flexibility, a comparison run was made using ETAK's geocoding engine (EZ Locate) and TransCAD. Caliper's Streets '99 - a U.S. wide street coverage - was used. The Streets '99 dataset is based on latest 1999 TIGER/Line files from the US Bureau of the Census and contains 37,683,671 streets segments for the United States. A sample 100 addresses were located with high degree of accuracy (well over 90%) by both applications, with the number of unmatched records approximately the same for each engine. As a result, because of its flexibility, TransCAD 4.0 was selected for the initial geocoding of the survey results, with the understanding that other tools (ArcView, ETAK) may be used as well, if needed. This strategy is further supported by TransCAD's ability to directly read, write, and index many data formats, including ESRI's shapefiles, MS Access databases, dBase files, and any other ODBC-compliant databases.

Initially, the entire survey results database was geocoded in TransCAD to the Streets'99 address reference layer, as described below. Following geocoding in TransCAD, addresses in Jefferson County were matched in ArcView to the LOJIC point and street segment files to improve the quality (match rate and spatial dispersion) of the geocoding results. The process of address matching using the LOJIC data was straightforward and required little to no cleanup. All the



matched records from both the TransCAD and ArcView-based runs were ultimately combined into a set of three ESRI shapefiles for submittal to KIPDA.

## ***Demographics***

**Vehicles per Household.** Ninety-one percent (91%) of all households surveyed had at least one vehicle available. Forty-two percent (42%) of the randomly selected households from Louisville Central did not have a vehicle; eighty-five percent (85%) of the randomly selected households in Oldham County had two or more vehicles.

**Household Occupants.** Twenty percent (20%) of all households surveyed had four or more occupants. Thirty-two percent (32%) of the randomly selected households from Oldham County had four or more occupants; thirty-five percent (35%) of the sample of traditionally underserved populations from Jefferson County had only one occupant.

**Housing Structures.** Eighty percent (80%) of all households surveyed lived in single family units; twenty percent (20%) lived in multifamily units. Forty-five percent (45%) of the households in the sample of traditionally underserved populations lived in multifamily units; ninety-two percent (92%) of the randomly selected households from Bullitt County lived in single family units.

**Gender.** Forty-seven percent (47%) of the randomly selected travel survey participants were male; fifty-three percent (53%) were female. Forty-eight percent (48%) of the survey participants from the sample of traditionally underserved households were male, and fifty-two percent (52%) were female.

**Licensed Drivers.** Seventy-nine percent (79%) of the randomly selected travel survey participants were licensed drivers; twenty-one percent (21%) were not. The majority of those who were not licensed drivers were children under age 16. Sixty percent (60%) of the survey participants from the sample of traditionally underserved households were licensed drivers; forty percent (40%) were not.

**Annual Household Income.** Twenty-three percent (23%) of all households surveyed earn less than \$20,000 per year; twenty percent (20%) of the randomly selected sample earned less than \$20,000 per year; fifty-nine percent (59%) of the households from the sample of traditionally underserved households earned less than \$20,000 per year. About half of all households surveyed earned between \$20,000 and \$59,999 per year.

**Employment Status.** Forty-two percent (42%) of the randomly selected travel survey participants were employed full-time; ten percent (10%) were employed part-time, and forty-eight (48%) were not employed. The majority of those who were not employed were children under age 16 and adults over age 60. Fifty-five percent (55%) of the survey participants from the sample of traditionally underserved households were not employed.

**Race/Ethnicity.** Sixty-four percent (64%) of the survey participants from the sample of traditionally underserved households were racial or ethnic minorities; fifty-five percent (55%) were African American, thirty-six percent (36%) were White, and nine percent (9%) were of other races/ethnicities, mainly Asians and Hispanics.

**Persons with Physical Disabilities.** Twenty-four percent (24%) of the survey participants from the sample of traditionally underserved households had a physical disability; seventy-six percent (76%) did not.

### ***Trip Purpose***

A major portion of the analyses in this report was based on trip purpose. Trip purposes were generally classified into one of three categories that are widely used for transportation modeling:

- **Home-based Work (HBW) Trips.** HBW trips are those that either begin at the home and end at work or begin at work and end at the home. An example of a HBW trip would be a trip from the home to the work place in the morning.
- **Home-based Other (HBO) Trips.** HBO trips are those that either begin or end at the home but do not involve a stop at the work place. An example of a HBO trip would be a trip from the home to a grocery store in the afternoon.
- **Non-home-based (NHB) Trips.** NHB trips are those that do not involve a stop at the home. An example of a NHB trip would be a trip from a restaurant to a movie theater in the evening.

### ***Household Trip Rates***

**Mean Number of Trips Per Household by Geography.** The mean number of trips per day for all households in the five-county region was 6.61 trips per household. Oldham County had the highest number of trips per day (7.83 per household); Jefferson had the fewest number of trips per day (6.19 per household). The average number of trips per day in Jefferson County ranged from 7.66 trips per household in Jefferson Northeast to a low of 3.45 trips per day for households in Louisville Central.

**Impact of Housing Structure on Trip Generation Rates.** On average, households in single-family structures completed more trips per day than households living in multi-family units. The mean number of trips per day for all single and multi-family households in the five-county is provided below.

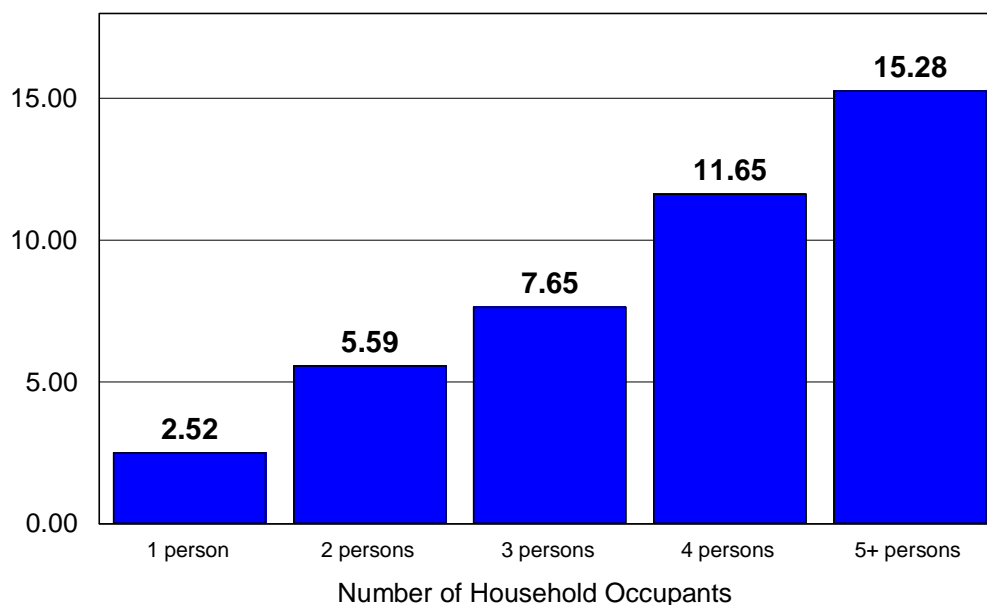
- ***Single Family Households:*** The mean number of trips per day for all single-family households in the five-county area was 7.21 trips per day.
- ***Multi-Family Households:*** The mean number of trips per day for all multi-family households in the five-county area was 4.18 trips per day.

**Mean Number of Trips Per Household by Size of Household.** The number of trips per household was closely related to household size. Refer to Figure ES-1 on the next page.

- The mean number of trips per day for all *one-person households* in the five-county region was 2.52 trips per household.
- The mean number of trips per day for all *two person households* in the five-county region was 5.59 trips per household.
- The mean number of trips per day for all *three person households* in the five-county region was 7.65 trips per household.
- The mean number of trips per day for all *four-person households* in the five-county region was 11.65 trips per household.
- The mean number of trips per day for all households in the five-county region with *five or more persons* was 15.28 trips per household.

Figure ES-1

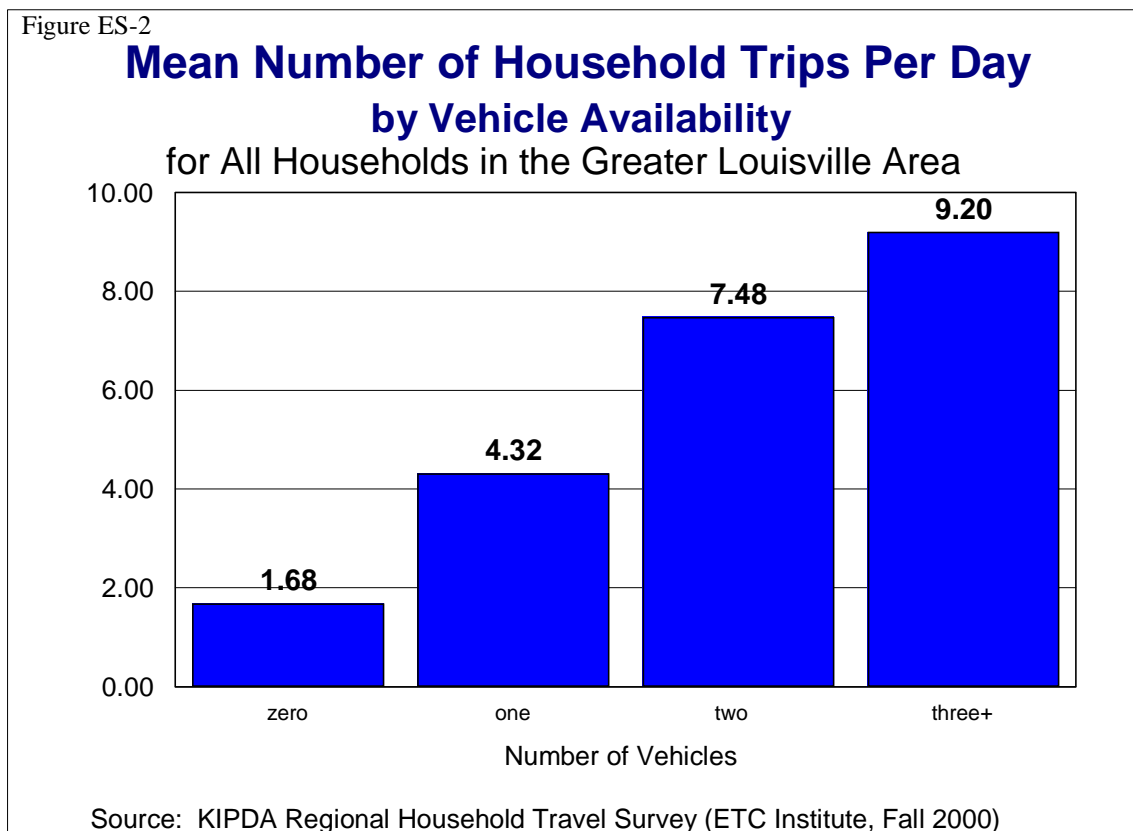
**Mean Number of Household Trips Per Day  
By Size of Household**  
for All Households in the Greater Louisville Area



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

**Mean Number of Trips Per Household by Vehicle Availability.** The number of trips per household was also closely related to number of available vehicles per household. Refer to Figure ES-2 below.

- The mean number of trips per day for all *households* in the five-county region *with zero vehicles* was 1.68 trips per household.
- The mean number of trips per day for all *households* in the five-county region *with one vehicle* was 4.32 trips per household.
- The mean number of trips per day for all *households* in the five-county region *with two vehicles* was 7.48 trips per household.
- The mean number of trips per day for all *households* in the five-county region *with three or more vehicles* was 9.20 trips per household.



## ***Trip Length***

**Overall Trip Length for All Trips.** The mean trip length for all trips completed by residents of the five-county region was 18.91 minutes. Bullitt County had the longest average (20.76 minutes); Floyd County had the shortest average (18.13 minutes). The length of all trips by residents of Jefferson County ranged from a high of 19.15 in Jefferson Southeast to a low of 17.6 minutes in Louisville East.

**Home-based Work (HBW) Trip Length.** The mean trip length for all HBW trips completed by residents of the five-county region was 23.99 minutes. HBW trips are those that either begin at the home and end at work or begin at work and end at the home. Oldham County had the longest average (27.36 minutes); Floyd County had the shortest average (22.34 minutes). The length of HBW trips by residents of Jefferson County ranged from a high of 24.66 minutes in Jefferson Northeast to a low of 20.25 minutes in Louisville East.

**Home-based Other (HBO) Trip Length.** The mean trip length for all HBO trips completed by residents of the five-county region was 16.93 minutes. HBO trips are those that either begin or end at the home but do not involve a stop at the work place. Bullitt County had the longest average (19.43 minutes); Floyd County had the shortest average (16.7 minutes). The length of HBO trips by residents of Jefferson County ranged from a high of 18.22 minutes in Jefferson Southeast to a low of 15.87 minutes in Louisville East.

**Non-home-based (NHB) Trip Length.** The mean trip length for all NHB trips completed by residents of the five-county region was 16.73 minutes. NHB trips are those that do not involve a stop at the home. Bullitt County had the longest average (17.69 minutes); Clark County had the shortest average (15.7 minutes). The length of NHB trips completed by residents of Jefferson County ranged from a high of 18.1 minutes in Louisville South to a low of 15.16 minutes in Louisville Central.

## ***Mode of Travel***

**Private Vehicle Use.** Approximately ninety-three percent (92.7%) of all trips by residents of the five-county region were completed by persons who either drove or were passengers in private vehicles, such as cars, SUVs, and pickups. Oldham County had the highest percentage of trips in private vehicles (93.6%); Floyd County had the lowest percentage (91.6%). The percentage of trips in private vehicles in Jefferson County ranged from a high of 94.5% in the Jefferson Central CCD to a low of 79.7% in the Louisville Central CCD.

**Travel By Walking** Approximately two percent (1.8%) of all trips by residents of the five-county region were completed by persons who walked to their destination. Jefferson County had the highest percentage of trips by walking (2.3%); Bullitt and Oldham counties each had the lowest percentage (0.4%). The percentage of trips by walking in Jefferson County ranged from a high of 9.6% in the Louisville Central CCD to a low of 0.9% in the Jefferson Central CCD.

**Public Transit Use.** Less than one percent (0.7%) of all trips by residents of the five-county region were completed by persons who used a public bus/transit to get to their destination. Jefferson County had the highest percentage of trips on public transit (1.1%); Bullitt County had the lowest percentage (0%). The percentage of trips on public transit in Jefferson County ranged from a high of 4.9% in the Louisville Central CCD to a low of 0.2% in the Jefferson Southwest CCD.

**School Bus Travel.** Four percent (4%) of all trips by residents of the five-county region were completed by persons who took a school bus to their destination. Floyd County had the highest percentage of trips on school buses (5.7%); Jefferson County had the lowest percentage (3.3%). The percentage of trips by school bus in Jefferson County ranged from a high of 4.1% in the Louisville Central CCD to a low of 2.3% in the Louisville East CCD.

**Private Vehicle Occupancy.** More than half (58.6%) of all trips in private vehicles (cars, pickups, and SUV's) by residents of the five-county region were completed by persons driving alone. Clark County had the highest percentage of one-person trips (60.0%); Bullitt County had the lowest percentage of one-person trips (52.6%). In Jefferson County, the Jefferson Northeast CCD had the highest percentage of one-person trip in private vehicles (67.2%); the Jefferson Southwest CCD had the lowest percentage (51.2%).

**Mean Private Vehicle Occupancy.** The mean vehicle occupancy for all trips in private vehicles (cars, pickups, and SUV's) by residents of the five-county region was 1.65 persons per trip. Bullitt County had the highest occupancy with 1.82 persons per trip; Jefferson County had the lowest occupancy with 1.62 persons per trip. In Jefferson County, the Louisville South CCD had the highest occupancy with 1.8 persons per trip; the Jefferson Northeast CCD had the lowest occupancy with 1.49 persons per trip.

### ***Frequent Destinations***

The places that are most frequently visited by residents of each county are listed below. Additional information concerning travel destinations can be found in Appendices C and D.

<b><u>County</u></b>	<b><u>Places Accounting for the Highest Percentage of Trip Destinations</u></b>
Bullitt	Louisville (34%), Shepherdsville (31%), Mt. Washington (22%)
Clark	Jeffersonville (31%), Clarksville (21%), Louisville (11%)
Oldham	Crestwood (34%), Louisville (26%), LaGrange (18%)
Floyd	New Albany (55%), Floyds Knobs (13%), Louisville (9%)
Jefferson	Louisville (95%)

## Miles Driven

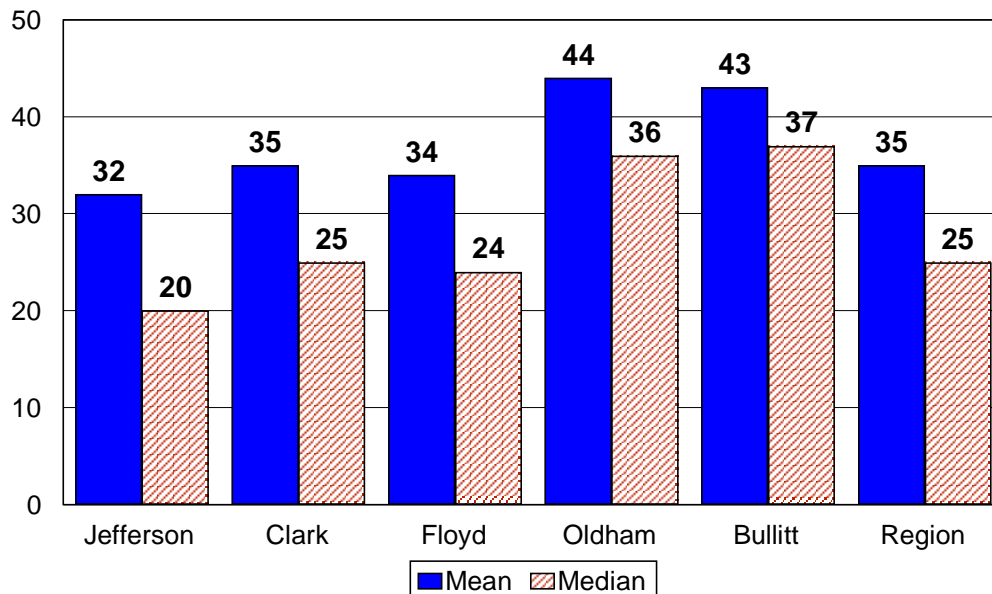
**Average Number of Miles Driven Per Day in Private Vehicles.** The mean (average) number of miles driven per day for all persons in the five-county region who drove private vehicles on their travel day was 35 miles; the median (or mid-point) was 25 miles. Oldham and Bullitt County residents drove the most. The mean (average) number of miles driven per day by Oldham County residents who drove a private vehicle on their travel day was 44 miles; the median was 36 miles. The mean number of miles driven per day by Bullitt County residents who drove a private vehicle on their travel day was 43 miles; the median was 37 miles. Jefferson County residents drove the least. The mean number of miles driven per day by Jefferson County residents who drove a private vehicle on their travel day was 32 miles; the median was 20 miles. Refer to Figure ES-3 below. Additional information concerning miles driven per day in private vehicles can be found in Appendix E.

**Percentage of Private Vehicle Drivers Who Drive less than 20 miles Per Day.** The percentage of persons who drove less than 20 miles per day varied considerably by county. Half (50.1%) of the drivers in Jefferson County drove less than 20 miles on their travel day; only 25.9% of the drivers in Oldham County drove less than 20 miles on their travel day. On average, 44.6% of all persons in the five-county region who drove private vehicles (car, SUV, or pickup) on their travel day drove less than 20 miles per day. In Louisville West, 63.6% of private vehicle drivers drove less than 20 miles on their travel day.

Figure ES-3

### Number of Miles Driven Per Day by Private Vehicle Drivers

By County



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)





Chapter One

*Sampling Methodology*



### Overview

KIPDA initiated this study during the Fall of 2000 for the purpose of updating regional travel demand models. The universe for the survey consisted of households in the five-county Louisville transportation planning study area, including Clark and Floyd counties in Indiana and Bullitt, Jefferson, and Oldham counties in Kentucky. The original goal for the project was to obtain completed surveys from at least 3,500 randomly sampled households in the region. The actual number of completed household travel surveys was 4,433. Of these, 4,113 were completed with households that were selected at random by phone. The remaining 320 were completed with representatives of traditionally underserved populations that were recruited at locations that serve ethnic minorities, persons with disabilities, the elderly, or persons with low incomes.

A **household** was defined as all persons who occupy a housing unit. A **housing unit** was defined as a house, apartment, mobile home, group of rooms, or single room occupied as separate living quarters. A household was considered "complete" for purposes of the survey when demographic, travel, and activity data had been collected from every household member who was age 5 years and older. Partially completed households were replaced.

During the month of September 2000, the consultant team met with representatives from KIPDA to discuss the anticipated impact that different sampling plans would have on the reliability of principal travel model statistics. The assessment of different sampling plans took into consideration KIPDA's needs for regional planning data and data at the county and subcounty level. The decision was made to use a stratified random sample to maximize the reliability of travel model statistics for the types of households that are most commonly found in the region.

**Review of Demographic Characteristics of the Study Area.** One of the first tasks for the project involved a review of the demographic characteristics of the five-county area. Census estimates that were available in the Fall of 2000 indicated that the population in the region had increased approximately 5.5% from 1990 to 1999 and each of the five counties had shown some growth. Using the population data from the 1990 Census, recent Census estimates, and KIPDA's most recent household data, household population estimates were developed. In developing sample estimates, the project team assumed that the number of persons per household did not change from 1990 to 1999. Although persons per household may have increased or decreased in some areas, the changes were not considered to be great enough to significantly impact the sample estimates.

The next step was to develop a preliminary sample estimate for each of the five counties for household size, structure type, and vehicle availability. Some observations that were noted in the development of the sample estimates included:

- Bullitt County and Oldham County had relatively few multi-family structures.
- Households in Bullitt, Oldham, Clark and Floyd counties had a high probability of having at least one vehicle and a very low probability of having zero vehicles.
- Households with one person had a low probability of having at least two or more vehicles available.

**Stratification by Geography.** If the sample had been designed based on the proportionate population of each county as described above, the number of completed surveys per county based on a sample size of 3,500 households would have been as follows:

<u>County</u>	<u># Households in 1999</u>	<u>Proportionate # Households Surveyed</u>
Bullitt	20,515	197
Jefferson	267,010	2,560
Oldham	14,654	141
Clark	35,950	344
<u>Floyd</u>	<u>26,955</u>	<u>258</u>
Total	365,084	3,500

Based on this distribution, the precision of the data for Bullitt, Oldham, and Floyd counties would not have adequately met KIPDA's long range planning needs since the sample sizes would have been too small to generate statistically meaningful data for a wide range of household classifications. To maximize the statistical validity at the county level, the sample plan was modified to ensure the completion of at least 300 household surveys per county.

In order to ensure that the data requirements for Bullitt, Oldham, and Floyd counties could be met without jeopardizing the accuracy of data for Jefferson County, a separate review of the data needs for Jefferson County was conducted. This review indicated that Jefferson County would need data for eight Census County Divisions. A sample size of 2,256 households proportionately distributed among the eight Census County Divisions (CCD's) in Jefferson County would generate sample sizes of approximately 250-350 households per CCD with the exception of Louisville Central. Since Louisville Central was going to be well represented in the on-site survey of traditionally underserved populations, further modifications to the sample plan were not made. Zip codes were used to approximate CCD's.

The revised goals for completed surveys for each county is provided at the top of the following page. This distribution balanced the needs of county level data without compromising the general accuracy of data for CCD's in Jefferson County. More details are provided in Tables 1-3 through 1-5.

<u>County</u>	<u># Households in 1999</u>	<u>Revised Household Survey Goal</u>
Bullitt	20,515	300
Jefferson	267,010	2,256
Oldham	14,654	300
Clark	35,950	344
<u>Floyd</u>	<u>26,955</u>	<u>300</u>
Total	365,084	3,500

**Other Levels of Stratification.** In addition to stratifying the sample by geography, the sample was stratified by (1) household size, (2) structure, and (3) number of operating vehicles.

- ***Household Size.*** A five-value household size variable (1 person, 2 persons, 3 persons, 4 person, and 5+ persons) was used for household size. The number of completed household surveys for each household size was proportionately distributed throughout the region based on the population of each county and CCD.
- ***Structure.*** A two-value structure variable (single-family and multi-family) was used for this level of stratification. The number of completed household surveys for each type of structure was proportionately distributed throughout the region.
- ***Number of Operating Vehicles.*** A four-value variable for the number of operating vehicles (0 vehicles, 1 vehicle, 2 vehicles, 3+ vehicles) was used. The number of completed household surveys for each vehicle category was proportionately distributed throughout the region.

ETC Institute managed the distribution of completed household surveys to ensure that the following goals were achieved for each of the three levels of stratification described above.

- ***Distribution by household size:***

<u>SIZE</u>	<u>GOAL</u>	<u>TOTAL COMPLETES*</u>
1 person	866	1,159
2 persons	1,097	1,677
3 persons	670	728
4 persons	557	567
<u>5 or more</u>	<u>310</u>	<u>302</u>
Total	3,500	4,433

\* includes respondents to the survey of traditionally underserved populations

- ***Distribution by structure type:***

<u>STRUCTURE</u>	<u>GOAL</u>	<u>TOTAL COMPLETES*</u>
Single-family	2,620	3,466
<u>Multi family</u>	<u>880</u>	<u>967</u>
Total	3,500	4,433

\* includes respondents to the survey of traditionally underserved populations

- ***Distribution by (operating) vehicle availability:***

<u>NUMBER</u>	<u>GOAL</u>	<u>TOTAL COMPLETES*</u>
0 vehicle	379	399
1 vehicle	1,128	1,257
2 vehicle	1,355	1,787
<u>3 or more</u>	<u>638</u>	<u>990</u>
Total	3,500	4,433

\* includes respondents to the survey of traditionally underserved populations

Since the 2000 Census was not available at the time the sampling plan was developed, some deviations in the number of completed surveys for each level of stratification were anticipated due to shifts in the actual household size, vehicle availability, and structure type. The objective was to either exceed or come within 10% of the stated goal for each level of stratification.

The goals were exceeded in 81 of the 92 levels of stratification, and the overall number of completed surveys exceeded contractual requirements by more than 600 households. Of the 92 levels of stratification, the number of completed household surveys came within 10% of the stated goal 91 times. The only cell where this objective was not achieved involved zero vehicle households in Floyd County where the number of completed surveys fell seven short of the goal (only 15 of 22 households were completed).

Table 1-1 shows the distribution of completed surveys by day of the week for the randomly selected sample. Table 1-2 shows the distribution of completed surveys by day of the week for the survey of traditionally underserved populations. Travel days were limited to Mondays, Tuesdays, Wednesdays, and Thursdays. The first travel day was October 23, 2000. The last travel day was January 31, 2001. Ninety-three percent (93%) of the surveys were completed prior to December 21, 2000. Surveys were not administered during the Thanksgiving (Nov 22-26) and Christmas (Dec 22-Jan 7) holidays.

The completion report (Tables 1-3 through 1-7 on pages 9-17 of this chapter) outlines the sample plan for each level of geography and the number of completed surveys for each level of stratification.

Table 1-1

**TRAVEL DAYS FOR PARTICIPATING HOUSEHOLDS BY COUNTY (RANDOMLY  
SELECTED GROUP ONLY)**

N=4113 households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>day of the week</u>						
Monday	542 21.6%	98 22.7%	111 27.5%	58 14.9%	94 25.0%	903 22.0%
Tuesday	546 21.7%	125 29.0%	109 27.0%	79 20.3%	71 18.9%	930 22.6%
Wednesday	590 23.5%	85 19.7%	52 12.9%	98 25.2%	78 20.7%	903 22.0%
Thursday	836 33.3%	123 28.5%	131 32.5%	154 39.6%	133 35.4%	1377 33.5%

Table 1-2

**TRAVEL DAYS FOR PARTICIPATING HOUSEHOLDS BY COUNTY**  
**(TRADITIONALLY UNDERSERVED GROUP ONLY)**

N=320 households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>day of the week</u>						
Monday	0 0.0%	1 1.1%	1 8.3%	0 0.0%	0 0.0%	2 0.6%
Tuesday	7 3.8%	41 46.6%	9 75.0%	0 0.0%	12 92.3%	69 21.6%
Wednesday	91 49.2%	5 5.7%	1 8.3%	22 100.0%	0 0.0%	119 37.2%
Thursday	87 47.0%	41 46.6%	1 8.3%	0 0.0%	1 7.7%	130 40.6%



<b>Overall Population and Sample Size</b>							
	Population			HH	Proportionate		Stratified
	Population	Estimate	Households	Estimate	Sample	Adjustment	Sample
	1990	1999	1990	1999	Size	+/-	Size
Bullitt	47,567	60,955	16,009	20,515	197	103	300
Jefferson	664,937	672,900	263,850	267,010	2,560	-304	2256
Oldham	33,263	45,821	10,638	14,654	141	159	300
Clark	87,777	95,121	33,174	35,950	344	0	344
Floyd	64,404	72,243	24,030	26,955	258	42	300
Total	897,948	947,040	347,701	365,084	3,500	NA	3500

Table 1-3

<b>Sample Summary (by persons in household, type of structure, and vehicle availability)</b>													
	<u>household size</u>												
	1		2		3		4		5+				
	single	multi	single	multi	single	multi	single	multi	single	multi	vehicles		housing
<u>vehicles</u>											<u>totals</u>		<u>totals</u>
0	88	137	29	41	17	24	10	15	7	11	379	single	2620
1	310	243	199	113	89	47	54	25	34	14	1,128	multi	880
2	60	13	497	95	251	37	235	27	126	14	1,354		
3+	14	1	119	4	195	9	186	6	100	4	639		
Total	472	394	844	253	552	117	485	73	267	43	3,500		3500

Table 1-4

## Sample Plan for Jefferson Census County Divisions

**Total households to be surveyed: 2256**

	# Households in CCDs	% of total	Corresponding Zip Codes that approximate CCDs	# households in these zip codes	% of total	Projected # Households to be surveyed
Louisville West	25540	10%	50% of 40216, 40212, 40211	27014	10%	229
Louisville Central	15053	6%	40208, 40203, 40202	14971	6%	127
Louisville East	42727	16%	40206, 40207, 40205, 40217, 40204	41355	16%	350
Louisville South	32050	12%	40214, 40215, 40210	33522	13%	284
Jefferson Southwest	42844	16%	40118, 40258, 40272, 40209, 40213, 50% of 40216	43355	16%	367
Jefferson Central	38585	15%	40218, 40228, 40229, 40219	41378	16%	350
Jefferson Southeast	37968	14%	40243, 40022, 40299, 40291, 40220	33560	13%	284
Jefferson Northeast	29083	11%	40245, 40059, 40241, 40242, 40223, 40222	31249	12%	265
Total	263850	100%		266404	100%	2256

*Note: population of zip codes exceeds population of county because some zip codes include some parts of adjacent counties*

Table 1-5

Table 1-6

**KIPDA HOUSEHOLD SAMPLE PLAN & COMPLETION REPORT**

PREPARED BY: ETC Institute (January 2001)

**BULLITT**

<u>Persons</u>	<u>Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net over or under (-)</u>	<u>% Deviation from goal</u>
one	39	68	58	10	29	74%
two	84	154	152	2	70	83%
three	72	66	66	0	-6	-8%
four	68	65	64	1	-3	-4%
five plus	37	36	36	0	-1	-3%
total	total	300	389	13	89	30%

**JEFFERSON**

<u>Persons</u>	<u>Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net Over or under (-)</u>	<u>% Deviation from goal</u>
one	640	818	754	64	178	28%
two	716	1010	958	52	294	41%
three	402	409	384	25	7	2%
four	315	287	271	16	-28	-9%
five plus	183	175	147	28	-8	-4%
total	total	2256	2699	185	443	20%

**OLDHAM**

<u>Persons</u>	<u>Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net over or under (-)</u>	<u>% Deviation from goal</u>
one	41	61	48	13	20	49%
two	89	145	138	7	56	63%
three	71	79	78	1	8	11%
four	65	91	91	0	26	40%
five plus	34	35	34	1	1	3%
total	total	300	411	22	111	37%

Table 1-6 (cont'd) **KIPDA HOUSEHOLD SAMPLE PLAN & COMPLETION REPORT**  
**PREPARED BY: ETC Institute (January 2001)**

**CLARK**

	<u>Persons</u>	<u>Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net Over or under (-)</u>	<u>% Deviation from goal</u>
	one	80	132	91	41	52	65%
	two	110	188	166	22	78	71%
	three	66	111	95	16	45	68%
	four	57	55	49	6	-2	-4%
	five plus	31	33	30	3	2	6%
total	total	344	519	431	88	175	51%

**FLOYD**

	<u>Persons</u>	<u>Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net over or under (-)</u>	<u>% Deviation from goal</u>
	one	66	80	78	2	14	21%
	two	98	180	176	4	82	84%
	three	59	63	59	4	4	7%
	four	52	69	67	2	17	33%
	five plus	25	23	23	0	-2	-8%
total	total	300	415	403	12	115	38%

**OVERALL SUMMARY**

	<u>Persons</u>	<u>Total Needed</u>	<u>Total Completed</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net Over or under (-)</u>	<u>Persons % Deviation from goal</u>
	one	866	1159	1029	130	293	34%
	two	1097	1677	1590	87	580	53%
	three	670	728	682	46	58	9%
	four	557	567	542	25	10	2%
	five plus	310	302	270	32	-8	-3%
total	total	3500	4433	4113	320	933	27%

Table 1-6 (cont'd) **KIPDA HOUSEHOLD SAMPLE PLAN & COMPLETION REPORT**  
**PREPARED BY: ETC Institute (January 2001)**

<b>BULLITT</b>			<b>Total</b>	<b>Random</b>	<b>On-Site</b>	<b>Net over</b>	<b>% Deviation</b>
	<b><u>Vehicles</u></b>	<b><u>Needed</u></b>	<b><u>Complete</u></b>	<b><u>Complete</u></b>	<b><u>Complete</u></b>	<b><u>or under (-)</u></b>	<b><u>from goal</u></b>
	zero	11	12	9	3	1	9%
	one	71	65	59	6	-6	-8%
	two	130	185	181	4	55	42%
	three plus	88	127	127	0	39	44%
total	total	300	389	376	13	89	30%
<b>JEFFERSON</b>			<b>Total</b>	<b>Random</b>	<b>On-Site</b>	<b>Net Over</b>	<b>% Deviation</b>
	<b><u>Vehicles</u></b>	<b><u>Needed</u></b>	<b><u>Complete</u></b>	<b><u>Complete</u></b>	<b><u>Complete</u></b>	<b><u>or under (-)</u></b>	<b><u>from goal</u></b>
	zero	313	316	256	60	3	1%
	one	804	870	785	85	66	8%
	two	815	1044	1018	26	229	28%
	three plus	324	469	455	14	145	45%
total	total	2256	2699	2514	185	443	20%
<b>OLDHAM</b>			<b>Total</b>	<b>Random</b>	<b>On-Site</b>	<b>Net over</b>	<b>% Deviation</b>
	<b><u>Vehicles</u></b>	<b><u>Needed</u></b>	<b><u>Complete</u></b>	<b><u>Complete</u></b>	<b><u>Complete</u></b>	<b><u>or under (-)</u></b>	<b><u>from goal</u></b>
	zero	6	12	2	10	6	100%
	one	61	64	57	7	3	5%
	two	144	198	195	3	54	38%
	three plus	89	137	135	2	48	54%
total	total	300	411	389	22	111	37%

Table 1-6 (cont'd) **KIPDA HOUSEHOLD SAMPLE PLAN & COMPLETION REPORT**  
**PREPARED BY: ETC Institute (January 2001)**

**CLARK**

	<u>Vehicles</u>	<u>Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net Over or under (-)</u>	<u>% Deviation from goal</u>
	zero	27	44	19	25	17	63%
	one	104	157	120	37	53	51%
	two	141	189	170	19	48	34%
	three plus	72	129	122	7	57	79%
total	total	344	519	431	88	175	51%

**FLOYD**

	<u>Vehicles</u>	<u>Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net over or under (-)</u>	<u>% Deviation from goal</u>
	zero	22	15	15	0	-7	-32%
	one	88	101	94	7	13	15%
	two	124	171	167	4	47	38%
	three plus	66	128	127	1	62	94%
total	total	300	415	403	12	115	38%

**OVERALL SUMMARY**

	<u>Vehicles</u>	<u>Total Needed</u>	<u>Total Completed</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net Over or under (-)</u>	<u>Vehicles % Deviation from goal</u>
	zero	379	399	301	98	20	5%
	one	1128	1257	1115	142	129	11%
	two	1354	1787	1731	56	433	32%
	three plus	639	990	966	24	351	55%
total	total	3500	4433	4113	320	933	27%

Table 1-6 (cont'd) **KIPDA HOUSEHOLD SAMPLE PLAN & COMPLETION REPORT**

PREPARED BY: ETC Institute (January 2001)

**BULLITT**

<u>Structure</u>	<u>Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net over or under (-)</u>	<u>% Deviation from goal</u>
Single	282	354	346	8	72	26%
Multi	18	35	30	5	17	94%

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total	300	389	376	13	89	30%
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**JEFFERSON**

<u>Structure</u>	<u>Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net Over or under (-)</u>	<u>% Deviation from goal</u>
Single	1533	2010	1912	98	477	31%
Multi	723	689	602	87	-34	-5%

---

total	2256	2699	2514	185	443	20%
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**OLDHAM**

<u>Structure</u>	<u>Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net over or under (-)</u>	<u>% Deviation from goal</u>
Single	283	380	361	19	97	34%
Multi	17	31	28	3	14	82%

---

total	300	411	389	22	111	37%
-------	-----	-----	-----	----	-----	-----

Table 1-6 (cont'd) **KIPDA HOUSEHOLD SAMPLE PLAN & COMPLETION REPORT**  
 PREPARED BY: ETC Institute (January 2001)

**CLARK**

<u>Structure</u>	<u>Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net Over or under (-)</u>	<u>% Deviation from goal</u>
Single	276	381	338	43	105	38%
Multi	68	138	93	45	70	103%
total	344	519	431	88	175	51%

**FLOYD**

<u>Structure</u>	<u>Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net over or under (-)</u>	<u>% Deviation from goal</u>
Single	246	341	336	5	95	39%
Multi	54	74	67	7	20	37%
total	300	415	403	12	115	38%

<b>OVERALL SUMMARY</b>						
<u>Structure</u>	<u>Total Needed</u>	<u>Total Complete</u>	<u>Random Complete</u>	<u>On-Site Complete</u>	<u>Net Over or under (-)</u>	<u>Structure % Deviation from goal</u>
Single	2620	3466	3293	173	846	32%
Multi	880	967	820	147	87	10%
total	3500	4433	4113	320	933	27%
<b>Total # Recruits - Random Completion Rate</b>		<b>5313</b>	<b>Total # Recruits - On Site Completion Rate</b>		<b>500</b>	<b>64%</b>



# KIPDA HOUSEHOLD SAMPLE PLAN & COMPLETION REPORT

PREPARED BY: ETC Institute (January 2001)

Table 1-7

<b><u>Lou Central</u></b>					
<b><u>Structure</u></b>	<b><u>Complete</u></b>	<b><u># NEEDED =</u></b>	<b><u>127</u></b>		
		<b><u>Vehicles</u></b>	<b><u>Complete</u></b>	<b><u>Persons</u></b>	<b><u>Complete</u></b>
Single	66	zero	89	one	125
Multi	145	one	68	two	49
		two	31	three	17
		three plus	23	four	14
				five plus	6
total	211		211		211
<b><u>Lou West</u></b>					
<b><u>Structure</u></b>	<b><u>Complete</u></b>	<b><u># NEEDED =</u></b>	<b><u>229</u></b>		
		<b><u>Vehicles</u></b>	<b><u>Complete</u></b>	<b><u>Persons</u></b>	<b><u>Complete</u></b>
Single	202	zero	39	one	65
Multi	40	one	78	two	83
		two	82	three	47
		three plus	43	four	32
				five plus	15
total	242		242		242
<b><u>Lou East</u></b>					
<b><u>Structure</u></b>	<b><u>Complete</u></b>	<b><u># NEEDED =</u></b>	<b><u>350</u></b>		
		<b><u>Vehicles</u></b>	<b><u>Complete</u></b>	<b><u>Persons</u></b>	<b><u>Complete</u></b>
Single	304	zero	38	one	164
Multi	132	one	160	two	163
		two	172	three	56
		three plus	66	four	36
				five plus	17
total	436		436		436

# KIPDA HOUSEHOLD SAMPLE PLAN & COMPLETION REPORT

PREPARED BY: ETC Institute (January 2001)

Table 1-7 (cont.)

## **Jeff Central**

<b><u>Structure</u></b>	<b><u>Complete</u></b>	<b><u># NEEDED =</u></b>	<b><u>350</u></b>	<b><u>Persons</u></b>	<b><u>Complete</u></b>
		<b><u>Vehicles</u></b>	<b><u>Complete</u></b>		
Single	285	zero	22	one	100
Multi	74	one	116	two	130
		two	145	three	64
		three plus	76	four	42
				five plus	23
total	359		359		359

## **Jeff SE**

<b><u>Structure</u></b>	<b><u>Complete</u></b>	<b><u># NEEDED =</u></b>	<b><u>284</u></b>	<b><u>Persons</u></b>	<b><u>Complete</u></b>
		<b><u>Vehicles</u></b>	<b><u>Complete</u></b>		
Single	250	zero	7	one	61
Multi	37	one	73	two	131
		two	148	three	43
		three plus	59	four	36
				five plus	16
total	287		287		287

## **Jeff NE**

<b><u>Structure</u></b>	<b><u>Complete</u></b>	<b><u># NEEDED =</u></b>	<b><u>265</u></b>	<b><u>Persons</u></b>	<b><u>Complete</u></b>
		<b><u>Vehicles</u></b>	<b><u>Complete</u></b>		
Single	239	zero	7	one	58
Multi	53	one	63	two	128
		two	157	three	45
		three plus	65	four	40
				five plus	21
total	292		292		292

# KIPDA HOUSEHOLD SAMPLE PLAN & COMPLETION REPORT

PREPARED BY: ETC Institute (January 2001)

Table 1-7 (cont'd)

<b><u>Lou South</u></b>					
<b><u>Structure</u></b>	<b><u>Complete</u></b>	<b><u># NEEDED =</u></b>	<b><u>284</u></b>		
		<b><u>Vehicles</u></b>	<b><u>Complete</u></b>	<b><u>Persons</u></b>	<b><u>Complete</u></b>
Single	219	zero	31	one	82
Multi	73	one	114	two	119
		two	105	three	53
		three plus	42	four	16
				five plus	22
total	292		292		292
<b><u>Jeff SW</u></b>					
<b><u>Structure</u></b>	<b><u>Complete</u></b>	<b><u># NEEDED =</u></b>	<b><u>367</u></b>		
		<b><u>Vehicles</u></b>	<b><u>Complete</u></b>	<b><u>Persons</u></b>	<b><u>Complete</u></b>
Single	347	zero	23	one	99
Multi	48	one	113	two	155
		two	178	three	59
		three plus	81	four	55
				five plus	27
total	395		395		395



# Chapter Two

## *Survey Design*



**Background:** Prior to the study, KIPDA established the following guidelines for the design of the survey instrument:

- Travel data was to be gathered for one travel day only.
- The travel day was to be a weekday.
- Unique travel and activity data were to be collected for all household members who are five years of age and older.
- The travel and activity data that were collected were to be gathered in a manner that would minimize the burden on the household.
- Respondents were not required to provide detailed tracking of in-home (non-travel related) activities.
- Survey procedures and materials were to be designed to fit the local context.

**Assessment of the Survey Design.** During the month of September 2000, members of the consulting team and KIPDA's project management team conducted an assessment of the survey design. The assessment included a review of the guidelines listed above and the identification of all data requirements for the project. Samples of survey instruments administered by ETC Institute for travel surveys in other communities were used as the basis for the development of this household travel survey.

**Focus Groups.** Following the initial assessment, drafts of all survey materials were developed and presented to two focus groups. One focus group was conducted with a group of ten randomly selected residents from the region. The other focus group was conducted with six KIPDA employees who were not involved in the project.

Focus group participants were each given a draft of the survey instrument and instructions to review. In addition, focus group participants were asked to comment on the following issues:

- the best ways to inform them about the survey,
- their level of comfort about providing certain types of information,
- messages that should be communicated during the recruitment process, on postcards, and other materials that were to be sent to participants to increase their willingness to participate in the study,
- the best format for recording information,

- concerns about confidentiality and the types of messages that needed to be conveyed to alleviate the concerns, and
- various other issues as appropriate.

Revisions to the survey design and instructions were made based on the input from the focus group participants, and a revised set of survey materials was provided to KIPDA for review.

**Pretest.** After the focus groups, ETC Institute conducted a pretest of the survey with a random sample of 15 households in the study area. An additional 10 households were recruited from KIPDA staff, who were not directly involved in the management of the study, for a total of 25 households. The pretest was administered using the same procedures and materials that were to be used for the actual survey.

No major problems were identified during the pretest, and only minor revisions to survey documents were required. Following the administration of the pretest, the results of the pretest were compiled in a database that was forwarded to KIPDA. KIPDA reviewed the format of the survey database to ensure that the database was compatible with KIPDA data processing programs.

**Finalize the Survey.** Following the pretest, the content and format of all survey materials were finalized and KIPDA gave ETC Institute permission to proceed with the administration of the survey. Copies of the following survey materials are provided at the end of this chapter:

- recruitment script
- cover letter
- instructions
- sample travel diary
- actual travel diary
- refrigerator magnet reminder



# KIPDA Household Travel Survey (Phone Recruitment Script)

Date: \_\_\_\_\_ Interviewer: \_\_\_\_\_ Phone: (\_\_\_\_)\_\_\_\_\_

**This is \_\_\_\_\_. I'm calling for the (Kentucky/Indiana) Department of Transportation. We are conducting a travel survey in association with city and county governments in the metropolitan Louisville area to plan new and improved transportation services for residents of the region.**

**Your household was selected at random to participate in the study. Would you have a few moments to help us with this study? We're not selling anything and all information you provide will be held in strict confidence and combined with responses from other households to give us a better understanding of regional travel patterns.**

If Yes: Continue; If No: Would there be a better time to call? Note date/time: \_\_\_\_\_

- 1. How many operational vehicles, including cars, trucks, and motorcycles are available for use by members of your household? (This does not include R.V.s, farm equipment, and commercial vehicles that are not used for household purposes.)**

\_\_\_\_(0) zero  
 \_\_\_\_ (1) one  
 \_\_\_\_ (2) two  
 \_\_\_\_ (3) three or more

- 2. How many persons, including unrelated persons, currently live in your household?**

\_\_\_\_\_ persons live in household [WRITE IN NUMBER]

- 3. Can you please tell me the ages and gender of each member of your household, and their relationship to the head of household?[for each person over age 15, ask if they are a licensed driver and get their employment status]**

	<u>Age (yrs)</u>	<u>Sex</u>	<u>Relationship to Head of Household</u>	<u>Licensed Driver</u>	<u>Employed</u>
#1	_____	1=M 2=F	0=head 1=child 2=spouse 3=roommate 4=other relative	1=Y 2=N	1=full 2=part 3=NO
#2	_____	1=M 2=F	0=head 1=child 2=spouse 3=roommate 4=other relative	1=Y 2=N	1=full 2=part 3=NO
#3	_____	1=M 2=F	0=head 1=child 2=spouse 3=roommate 4=other relative	1=Y 2=N	1=full 2=part 3=NO
#4	_____	1=M 2=F	0=head 1=child 2=spouse 3=roommate 4=other relative	1=Y 2=N	1=full 2=part 3=NO
#5	_____	1=M 2=F	0=head 1=child 2=spouse 3=roommate 4=other relative	1=Y 2=N	1=full 2=part 3=NO
#6	_____	1=M 2=F	0=head 1=child 2=spouse 3=roommate 4=other relative	1=Y 2=N	1=full 2=part 3=NO
#7	_____	1=M 2=F	0=head 1=child 2=spouse 3=roommate 4=other relative	1=Y 2=N	1=full 2=part 3=NO
#8	_____	1=M 2=F	0=head 1=child 2=spouse 3=roommate 4=other relative	1=Y 2=N	1=full 2=part 3=NO
#9	_____	1=M 2=F	0=head 1=child 2=spouse 3=roommate 4=other relative	1=Y 2=N	1=full 2=part 3=NO

**Coding Only: How many persons are age 5 & up (total # of packets to send): \_\_\_\_\_**

**4. Which of the following best describes your home?**

- \_\_\_\_(1) A single family house
- \_\_\_\_(2) A duplex, triplex, or townhouse
- \_\_\_\_(3) A multi-family housing unit, such as an apartment complex
- \_\_\_\_(4) A mobile home or trailer
- \_\_\_\_(5) Other: \_\_\_\_\_

**5. Since travel patterns are often related to household income, we would appreciate it if you would indicate which of the following income ranges best describes your total annual household income. Again all information you provide will be kept confidential.**

- \_\_\_\_(1) under \$20,000
- \_\_\_\_(2) \$20,000-\$39,999
- \_\_\_\_(3) \$40,000-\$59,999
- \_\_\_\_(4) \$60,000-\$79,999
- \_\_\_\_(5) \$80,000-\$99,999
- \_\_\_\_(6) \$100,000 or more
- \_\_\_\_(7) refused to provide

**A key element of our study involves gathering information about travel patterns of residents in the metropolitan Louisville area. By studying the origins and destinations of people's trips, we can do a better job of planning transportation improvements for the region. Your participation would involve having each member of your household who is 5 years or older keep a one-day travel diary. A parent would help children ages 5-10 complete the diary. This travel diary only takes a few minutes to complete and will show where you travel, what time you travel, and how you travel to each of the destinations you visit on your travel day.**

[if asked about why children are asked to keep diaries say: "we are gathering data for trips taken by school age children since many trips taken by children during the day are often taken with persons who are not members of the household, such as school field trips. These types of trips can greatly impact the flow of traffic during the day, and our goal is to understand these travel patterns to make informed decisions about transportation improvements for the region"]

**May I get your complete mailing address so that we can mail the diaries to you?**

**6. What is your household address? NAME of person: \_\_\_\_\_**

\_\_\_\_\_  
*Street or Rural Route (w/Box #)*

\_\_\_\_\_  
*Apartment # (if applicable)*

\_\_\_\_\_  
*City*

\_\_\_\_\_  
*State*

\_\_\_\_\_  
*Zip*

\_\_\_\_\_  
*County*

**We will mail travel diaries to you in a few days for each person in your household who is at least 5 years of age. When you receive them, just follow the directions and have each member of your household complete the diaries on the day indicated. It is very important that everyone in your household complete the diaries on the same day. After you have completed the diaries, please return them to us as soon as possible in the postage-paid envelope that will be provided.**



Dear Resident:

Kentucky  
Member  
Counties

Bullitt

Henry

Jefferson

Oldham

Shelby

Spencer

Trimble

Indiana  
Member  
Counties

Clark

Floyd

Equal  
Opportunity  
Employer

Thank you for agreeing to participate in this important travel survey. This survey is being sponsored by the Kentuckiana Regional Planning and Development Agency (KIPDA) in association with the Kentucky Transportation Cabinet and the Indiana Department of Transportation. KIPDA is an association of city and county governments in the metropolitan Louisville area.

***Your participation in this survey is important because the information you provide will help us plan new and improved transportation services for the region.***

As stated in the telephone call you received a few days ago, your household was selected at random. All information collected for this survey is strictly confidential and will be combined with responses from other households to give us a clearer picture of regional travel patterns.

Instructions are included in the packet accompanying this letter. It is important that you provide all information requested for your specific travel day.

- If you have any questions about the purpose of the survey, please call Harold Tull, KIPDA's Director of Transportation at 502-266-6084.
- If you need help to fill out the diary, please call ETC Institute's toll-free travel survey "hotline" at 1-888-801-5368. ETC Institute was selected by KIPDA to assist with the administration of the survey. ETC Institute is one of the nation's leading household travel survey companies.

Thanks for your contribution!

Sincerely,

Jack Scriber  
Executive Director  
KIPDA

#### **Contents of This Packet Include**

- **Travel Survey Instructions** (1 page, off-white sheet)
- **Sample Travel Diary** (1 page, blue sheet)
- **Travel Diaries** (2 pages stapled, yellow card-stock one for each person age 5 and older)
- **Additional Diary Sheets** (ivory card stock)
- **Reminder for Your Refrigerator** (orange)



# KIPDA TRAVEL SURVEY INSTRUCTIONS

**Travel Diaries (yellow cards)** are enclosed for **each member** of your household who is at least age 5. This travel diary will help members of your household keep track of their trips on their travel day. Extra cards (**ivory sheets**) have been enclosed in the event one or more members of your household travels to more than 15 destinations on your travel day. If additional cards are used, please attach them to the appropriate person's travel diary.

## **DIRECTIONS**

- 1) **Your Household's Travel Day is Day: \_\_\_\_\_ Date: \_\_\_\_\_**. PLEASE ENSURE THAT **EVERYONE** IN YOUR HOUSEHOLD COMPLETES THE DIARY ON THIS DAY. *If you forget to complete your diaries on your travel day, please call 1-888-801-5368 to reschedule your travel day.* Your travel day begins at 2:00 am on this day and goes until 2:00 am the following day. *(If you are at work at 2:00 am, begin your travel diary at work).*
- 2) Please ask all members of your household who are completing the travel diary to carry a travel diary with him/her on the travel day and to record each trip after it is made (even if the trip is made with another member of the household). **For children ages 5-10** or persons with disabilities, please have another member of the household (i.e., parent) complete the travel diary. If your child goes on a field trip while at school, please ensure that it is recorded.
- 3) **At the top of the travel diary**, be sure to record the travel day and date along with the person's age, sex, employment status, whether he/she is a licensed driver, whether or not the person regularly works out of the home for his/her employer, and where the first trip of the day begins. **Please provide complete addresses** whenever possible for each destination you visit. *Include the **street prefix** (E, N, S, W) and the **street suffix** (Ave, St., Lane, Terr) when applicable; for example write **123 W. Main St.** not **123 Main**.*
- 4) If 2 or more persons in the household go together, the trip should appear on both travel diaries.
- 5) A person should use extra sheets (**ivory sheets**) if one diary is not enough.
- 6) Please mail your diaries using the postage paid envelope provided.
- 7) If **a person does not travel anywhere** on your household's travel day, write: "DID NOT GO ANYWHERE TODAY" for Trip #1. If **a person is Outside Kentucky and Indiana for the entire day (all 24 hours)** write: "OUTSIDE THE REGION ALL DAY" for Trip #1.

## **EXAMPLE: SEE ACCOMPANYING COMPLETED EXAMPLE (blue sheet)**

A sample trip diary (**blue sheet**) for the trips listed below has been included in this packet.

- #1 YOU LEAVE HOME AND DRIVE YOUR CHILD TO THE DAYCARE CENTER
- #2 THEN YOU DRIVE TO WORK
- #3 THEN YOU RIDE TO LUNCH WITH YOUR BOSS
- #4 THEN YOU RIDE BACK TO WORK WITH YOUR BOSS
- #5 THEN YOU DRIVE TO THE DAYCARE CENTER TO PICK UP YOUR CHILD
- #6 THEN YOU AND YOUR CHILD RETURN HOME

**Questions??? Please call the toll-free travel "hotline" at 1-888-801-5368.**



1. What is your age? 31 **\*\*SAMPLE\*\* KIPDA REGIONAL TRAVEL DIARY** TRAVEL DAY (starts 2:00 am): MTWTH  
 2. Sex: X Male \_\_\_\_\_ Female 3. Approximately how many miles did you drive today? 14 TRAVEL DATE: Oct 5th  
 4. Licensed Driver? X Yes \_\_\_\_\_ No 5. Employment Status: X Full time \_\_\_\_\_ Part time \_\_\_\_\_ Not currently employed (retired, homemaker, etc.)  
 5. Do you regularly work out of your home for your employer? \_\_\_\_\_ Yes X No 6a. [If yes to #6] Did you work at home today? \_\_\_\_\_ Yes \_\_\_\_\_ No

**My first trip today began at:**

(Where were you at 2:00 am today?)

Name of Place (e.g., Home, Other Person's Home, Work, Store): Home

Street Address: 123 Walnut

City: Jeffersonville State: IN ZIP 47130 County: Clark

Trip #	WHERE Did this trip end?	TYPE OF PLACE (Circle one.)	PURPOSE of Trip (Circle one.)	TIME	MODE of Travel (Circle one.)	NUMBER IN VEHICLE (Include yourself.)
#1  First I Went to:	<u>Kindercare</u> Name or Description of Place  <u>17<sup>th</sup> &amp; Main</u> Address (or nearest intersection) include suffix (st, ave, lane, etc) <u>Jeffersonville IN</u> City State <u>Clark</u> c ounty	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	LEAVE FOR Time: <u>7:00</u> Circle one: <u>AM</u> PM  ARRIVE: Time: <u>7:10</u> Circle one: <u>AM</u> PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	2
#2  Then I Went to:	<u>Sprint</u> Name or Description of Place  <u>1801 Main</u> Address (or nearest intersection) include suffix (st, ave, lane, etc) <u>Louisville KY</u> City State <u>Jefferson</u> County	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	LEAVE FOR Time: <u>7:15</u> Circle one: <u>AM</u> PM  ARRIVE: Time: <u>7:34</u> Circle one: <u>AM</u> PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	1
#3  Then I Went to:	<u>Applebee's</u> Name or Description of Place  <u>201 W 7th</u> Address (or nearest intersection) include suffix (st, ave, lane, etc) <u>Louisville KY</u> City State <u>Jefferson</u> County	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	LEAVE FOR Time: <u>12:01</u> Circle one: AM <u>PM</u>  ARRIVE: Time: <u>12:10</u> Circle one: AM <u>PM</u>	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	2

Trip #	WHERE Did this trip end?	TYPE OF PLACE (Circle one.)	PURPOSE of Trip (Circle one.)	TIME	MODE of Travel (Circle one.)	NUMBER IN VEHICLE (Include yourself.)
#4  Then I Went to:	<u>Sprint</u> Name or Description of Place  <u>1801 Main</u> Address (or nearest intersection) include suffix (st, ave, lane, etc) <u>Louisville KY</u> City State <u>Jefferson</u> County	<input checked="" type="radio"/> 01 Home <input type="radio"/> 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	<input checked="" type="radio"/> 01 Go/Return Home <input type="radio"/> 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	LEAVE FOR Time: <u>1:10</u> Circle one: AM <input checked="" type="radio"/> PM ARRIVE: Time: <u>1:21</u> Circle one: AM <input checked="" type="radio"/> PM	01 Drove a passenger car (not SUV) 02 Drove an SUV <input checked="" type="radio"/> 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	2
#5  Then I Went to:	<u>Kindercare</u> Name or Description of Place  <u>17<sup>th</sup> &amp; Main</u> Address (or nearest intersection) include suffix (st, ave, lane, etc) <u>Jeffersonville IN</u> City State <u>Clark</u> County	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor <input checked="" type="radio"/> 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food <input checked="" type="radio"/> 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	LEAVE FOR Time: <u>4:40</u> Circle one: AM <input type="radio"/> PM ARRIVE: Time: <u>5:02</u> Circle one: AM <input checked="" type="radio"/> PM	<input checked="" type="radio"/> 01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	1
#6  Then I Went to:	<u>Home</u> Name or Description of Place  <u>123 Walnut</u> Address (or nearest intersection) include suffix (st, ave, lane, etc) <u>Jeffersonville IN</u> City State <u>Clark</u> County	<input checked="" type="radio"/> 01 Home <input type="radio"/> 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	<input checked="" type="radio"/> 01 Go/Return Home <input type="radio"/> 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	LEAVE FOR Time: <u>5:09</u> Circle one: AM <input type="radio"/> PM ARRIVE: Time: <u>5:20</u> Circle one: AM <input checked="" type="radio"/> PM	<input checked="" type="radio"/> 01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	2
#7  Then I Went to:	_____ Name or Description of Place  _____ Address (or nearest intersection) include suffix (st, ave, lane, etc) _____ City State _____ County	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	LEAVE FOR Time: _____ Circle one: AM <input type="radio"/> PM ARRIVE: Time: _____ Circle one: AM <input type="radio"/> PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	



1. What is your age? \_\_\_\_\_ **KIPDA REGIONAL TRAVEL DIARY** TRAVEL DAY (starts 2:00 am): **M T W TH**  
 2. Sex: \_\_\_\_\_ Male \_\_\_\_\_ Female 3. Approximately how many miles did you drive today? \_\_\_\_\_ TRAVEL DATE: \_\_\_\_\_  
 4. Licensed Driver? \_\_\_\_ Yes \_\_\_\_ No 5. Employment Status: \_\_\_\_ Full time \_\_\_\_ Part time \_\_\_\_ Not currently employed (retired, homemaker, etc.)  
 5. Do you regularly work out of your home for your employer? \_\_\_\_ Yes \_\_\_\_ No 6a. [If yes to #6] Did you work at home today? \_\_\_\_ Yes \_\_\_\_ No

**My first trip today began at:** Name of Place (e.g., Home, Other Person's Home, Work, Store): \_\_\_\_\_  
 (Where were you at 2:00 am today?) Street Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_ County: \_\_\_\_\_

Trip #	WHERE Did this trip end?	TYPE OF PLACE (Circle one.)	PURPOSE of Trip (Circle one.)	TIME	MODE of Travel (Circle one.)	NUMBER IN VEHICLE (Include yourself.)
#1  First I Went to:	_____ Name or Description of Place _____ Address (or nearest intersection) include suffix (st, ave, lane, etc) _____ City _____ State _____ _____ <b>County</b> _____	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM _____ PM _____ <u>ARRIVE:</u> Time: _____ Circle one: AM _____ PM _____	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	
#2  Then I Went to:	_____ Name or Description of Place _____ Address (or nearest intersection) include suffix (st, ave, lane, etc) _____ City _____ State _____ _____ <b>County</b> _____	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM _____ PM _____ <u>ARRIVE:</u> Time: _____ Circle one: AM _____ PM _____	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	
#3  Then I Went to:	_____ Name or Description of Place _____ Address (or nearest intersection) include suffix (st, ave, lane, etc) _____ City _____ State _____ _____ <b>County</b> _____	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM _____ PM _____ <u>ARRIVE:</u> Time: _____ Circle one: AM _____ PM _____	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	

<b>Trip #</b>	<b>WHERE</b> <b>Did this trip end?</b>	<b>TYPE OF PLACE</b> <b>(Circle one.)</b>	<b>PURPOSE of Trip (Circle one.)</b>	<b>TIME</b>	<b>MODE of Travel (Circle one.)</b>	<b>NUMBER IN VEHICLE</b> (Include yourself.)
#4  Then I Went to:	<div>_____</div> <div>Name or Description of Place</div> <div>_____</div> <div>Address (or nearest intersection) include suffix (st, ave, lane, etc)</div> <div>_____</div> <div>City State</div> <div>_____</div> <div>County</div>	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM PM <u>ARRIVE:</u> Time: _____ Circle one: AM PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	
#5  Then I Went to:	<div>_____</div> <div>Name or Description of Place</div> <div>_____</div> <div>Address (or nearest intersection) include suffix (st, ave, lane, etc)</div> <div>_____</div> <div>City State</div> <div>_____</div> <div>County</div>	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM PM <u>ARRIVE:</u> Time: _____ Circle one: AM PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	
#6  Then I Went to:	<div>_____</div> <div>Name or Description of Place</div> <div>_____</div> <div>Address (or nearest intersection) include suffix (st, ave, lane, etc)</div> <div>_____</div> <div>City State</div> <div>_____</div> <div>County</div>	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM PM <u>ARRIVE:</u> Time: _____ Circle one: AM PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	
#7  Then I Went to:	<div>_____</div> <div>Name or Description of Place</div> <div>_____</div> <div>Address (or nearest intersection) include suffix (st, ave, lane, etc)</div> <div>_____</div> <div>City State</div> <div>_____</div> <div>County</div>	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM PM <u>ARRIVE:</u> Time: _____ Circle one: AM PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	

<b>Trip #</b>	<b>WHERE</b> <b>Did this trip end?</b>	<b>TYPE OF PLACE</b> <b>(Circle one.)</b>	<b>PURPOSE of Trip (Circle one.)</b>	<b>TIME</b>	<b>MODE of Travel (Circle one.)</b>	<b>NUMBER IN VEHICLE</b> (Include yourself.)
#8  Then I Went to:	<div>_____</div> <div>Name or Description of Place</div> <div>_____</div> <div>Address (or nearest intersection) include suffix (st, ave, lane, etc)</div> <div>_____</div> <div>City State</div> <div>_____</div> <div>County</div>	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM PM <u>ARRIVE:</u> Time: _____ Circle one: AM PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	
#9  Then I Went to:	<div>_____</div> <div>Name or Description of Place</div> <div>_____</div> <div>Address (or nearest intersection) include suffix (st, ave, lane, etc)</div> <div>_____</div> <div>City State</div> <div>_____</div> <div>County</div>	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM PM <u>ARRIVE:</u> Time: _____ Circle one: AM PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	
#10  Then I Went to:	<div>_____</div> <div>Name or Description of Place</div> <div>_____</div> <div>Address (or nearest intersection) include suffix (st, ave, lane, etc)</div> <div>_____</div> <div>City State</div> <div>_____</div> <div>County</div>	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM PM <u>ARRIVE:</u> Time: _____ Circle one: AM PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	
#11  Then I Went to:	<div>_____</div> <div>Name or Description of Place</div> <div>_____</div> <div>Address (or nearest intersection) include suffix (st, ave, lane, etc)</div> <div>_____</div> <div>City State</div> <div>_____</div> <div>County</div>	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM PM <u>ARRIVE:</u> Time: _____ Circle one: AM PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	

<b>Trip #</b>	<b>WHERE</b> <b>Did this trip end?</b>	<b>TYPE OF PLACE</b> <b>(Circle one.)</b>	<b>PURPOSE of Trip (Circle one.)</b>	<b>TIME</b>	<b>MODE of Travel (Circle one.)</b>	<b>NUMBER IN VEHICLE</b> (Include yourself.)
#12  Then I Went to:	<div>_____</div> <div>Name or Description of Place</div> <div>_____</div> <div>Address (or nearest intersection) include suffix (st, ave, lane, etc)</div> <div>_____</div> <div>City State</div> <div>_____</div> <div>County</div>	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM PM <u>ARRIVE:</u> Time: _____ Circle one: AM PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	
#13  Then I Went to:	<div>_____</div> <div>Name or Description of Place</div> <div>_____</div> <div>Address (or nearest intersection) include suffix (st, ave, lane, etc)</div> <div>_____</div> <div>City State</div> <div>_____</div> <div>County</div>	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM PM <u>ARRIVE:</u> Time: _____ Circle one: AM PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	
#14  Then I Went to:	<div>_____</div> <div>Name or Description of Place</div> <div>_____</div> <div>Address (or nearest intersection) include suffix (st, ave, lane, etc)</div> <div>_____</div> <div>City State</div> <div>_____</div> <div>County</div>	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM PM <u>ARRIVE:</u> Time: _____ Circle one: AM PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	
#15  Then I Went to:	<div>_____</div> <div>Name or Description of Place</div> <div>_____</div> <div>Address (or nearest intersection) include suffix (st, ave, lane, etc)</div> <div>_____</div> <div>City State</div> <div>_____</div> <div>County</div>	01 Home 02 Office 03 Store/Shop 04 Restaurant 05 Hospital/Doctor 06 Daycare 07 School 08 Recreation Place 09 Church/Religious 10 Other: _____	01 Go/Return Home 02 Go/Return to Work 03 Work related trip for your employer 04 Shopping 05 Going to School 06 Eat/Get Food 07 Pickup/Drop off passenger, child 08 Medical Services/Doctor's visit 09 Recreation/Entertainment 10 School Related Trip 11 Change Mode (e.g., auto to bus) 12 Church/religious activity 13 Other: _____	<u>LEAVE FOR</u> Time: _____ Circle one: AM PM <u>ARRIVE:</u> Time: _____ Circle one: AM PM	01 Drove a passenger car (not SUV) 02 Drove an SUV 03 Drove a pick-up truck 04 Passenger in a car/truck 05 Bicycle 06 School bus 07 Heavy Truck/farm equipment 08 Inter-city bus (i.e. Greyhound) 09 Public bus 10 Walked 11 Taxi 12 Other: _____	

**REMINDER**  
**Your Travel Day Is**

**Tuesday**

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**(Start your diary at 2:00 a.m. on this day)**

***Have Every Household Member  
who is Age 5 or older complete a travel diary  
for 24 hours on your travel day***

If someone stays home all day,  
mark card "did not go anywhere today" and return.

If someone is outside the States of Kentucky and Indiana all day,  
mark card "outside the region all day" and return.

**Thank You !**

**Questions: 1-888-801-5368**

Kentuckiana Regional  
Planning and Development Agency



Chapter Three

*Survey Administration*





**Importance of a High Response Rate.** One factor that can greatly influence the quality of data collected is the percentage of households recruited that actually participate in the survey. A low response rate can inherently bias the survey results. Consequently, a great deal of emphasis was placed on measures that would maximize the response rate to the survey.

The goal was to have at least two-thirds (67%) of the recruited households participate in the survey. Since completed surveys were needed from 3,500 households, approximately 5,300 households were recruited with the goal of having at least two-thirds (or 3,500) of the recruited households participate.

As a result of the thorough recruitment and aggressive follow-up procedures used by ETC Institute, the actual participation rate was 77%. Altogether, 4,433 households participated in the survey.

**Building Awareness of the Study.** Given the nature of the data to be collected, public awareness was an important factor to the success of the survey. Focus group participants said that if they thought the survey was legitimate, they would be much more likely to participate and provide honest and complete answers.

ETC Institute worked with KIPDA to develop and administer an awareness campaign to inform the community about the study. The campaign involved a two-tiered strategy.

- **Tier 1: General Awareness:** This tier involved building general awareness about the study in the five-county area through newspaper, radio, website, and other sources. Press releases were sent to all newspapers, radio stations, and television stations in the five-county area. In addition, a website was established that contained basic information about the purpose of the survey so that residents and the media could verify the legitimacy of the survey and get more information about the survey as needed. In mid-October, several newspaper articles were published in area newspapers to promote the survey.
- **Tier 2: Detailed Awareness.** The second tier involved direct communication with each of the households that were recruited to participate in the study. This group of people needed to understand the details of the survey administration process in order to properly complete their travel diaries. Those who were recruited also had to believe that their responses would be kept confidential. In order to accomplish these tasks, ETC Institute worked with KIPDA to design a series of direct mailings that included reminder letters, post cards, and refrigerator magnet reminders. In addition, ETC Institute established a toll free number (1-888-801-5368) so that recruited households could contact ETC Institute to get answers to their questions about the study. A local phone number to KIPDA's office was also provided so that residents could directly ask KIPDA staff questions about the project.

**Survey Administration Procedures.** ETC Institute administered the Household Travel Survey to a randomly selected sample of households in the five-county region during the months of October 2000 through January 2001. The process for recruiting households to participate is described below:

- ETC Institute sent an advance postcard to all households that were randomly selected to participate in the survey to provide information about the survey and encourage participation. The advance material listed the toll-free number so that households without listed phone numbers could request to participate in the study. Approximately 60 households were recruited via calls that originated from the postcards.
- ETC Institute conducted recruitment calls to households with listed phone numbers to request participation in the survey.
- ETC Institute personnel assigned participating households a travel day and asked them to confirm their home address. In addition, household level data (number of occupants, ages of occupants, number of vehicles, etc.) was collected from all households that agreed to participate in the study.
- ETC Institute then mailed a diary packet that contained a cover letter, refrigerator magnet travel day reminder, travel diaries for all household members, instructions, and a sample diary to all households who agreed to participate in the study. The packet included a postage-paid return envelope.
- ETC Institute then mailed a reminder postcard to each of the households that agreed to participate to remind them of their travel day. The reminder postcard was mailed 7-10 days prior to the travel day. In addition, ETC Institute placed reminder calls to each household one or two days before they were scheduled to begin the travel survey to confirm participation.
- ETC Institute then placed follow-up calls the day after travel diary activity was scheduled to begin to verify participation. If the household indicated that they did not complete the diaries, ETC Institute personnel rescheduled the travel day for the household.

**Survey of Traditionally Underserved Populations.** The project team recognized the importance of capturing travel data for traditionally underserved populations, such as low income mothers with children, non-English speaking persons, disabled persons, segments of the elderly population, ethnic minorities, and others who would be difficult to recruit by phone. Although these groups were captured in the random household travel survey, an additional 320 surveys were administered to members of these traditionally underserved groups to ensure that the travel patterns of these populations were accurately recorded. Although the data from the traditionally underserved population was not included in the majority of the trip rate calculations and analyses that are provided with this report, the data has been used to augment household and vehicle size categories that would have otherwise been underrepresented, such as four-person households with zero vehicles. The information gathered from the survey of traditionally underserved populations will allow supplemental analysis of travel model statistics to be

performed for a wider range of households. For example, since this group of respondents tends to be more likely to use public transportation, the data gathered may be used to further refine regional transit models.

The first step of this survey involved the identification of centers and organizations that provide services to underserved populations. Agencies that were identified included: social security offices, transit centers, local health departments, urban cultural centers, specialty food stores (oriental/Asian food markets), facilities that teach English as a second language, senior centers, job centers, unemployment offices, and low income daycare facilities. ETC Institute worked with KIPDA to identify 12 locations that were geographically dispersed throughout the study area.

The second step involved seeking the cooperation of these agencies. ETC Institute made an on-site visit to each organization prior to the survey to request permission to administer the survey. ETC Institute worked with agency managers at each site to schedule the dates that ETC Institute personnel would be on-site during the week of November 12, 2000.

The third step involved the recruitment of households to participate. ETC Institute worked with KIPDA staff to identify the approximate number of surveys that would be completed at each location. ETC Institute then provided personnel at each site during the week of November 12, 2000 to recruit persons to participate in the survey.

Once a participant had been recruited, ETC Institute facilitators did the following:

- they provided each participant with an overview of the project,
- they gathered household data including address and phone number,
- they provided instructions on how to complete the survey,
- they provided each participant with a toll-free phone number so they could contact ETC Institute or KIPDA if they had any questions about the survey, and
- they provided instructions on how to return the completed surveys.

For participants who did not speak English, ETC Institute worked with local cultural centers that provide English as a second language classes to provide translation services. ETC Institute also provided a Spanish speaking facilitator on-site.

For those who had a physical or mental disability that prevented them from completing the survey, ETC Institute personnel worked with managers at the facilities where the surveys were administered to determine the best means of administering the survey. In most cases, ETC Institute's facilitators identified the caretaker for persons who were not physically or mentally able to complete the survey. The caretaker was provided with the information necessary to complete the survey.

**Quality Control Procedures.** Quality control was a consistent component embedded in all

activities performed during the project. ETC Institute worked closely with KIPDA throughout all phases of the study to ensure that the overall survey effort was as accurate and complete as possible.

Some of the specific procedures that were followed by ETC Institute are described below:

- Upon receipt of the travel diaries, ETC Institute conducted a thorough review of 100% of the entries. The review consisted of the following: an examination of the diary information collected from each household; a review of the compatibility of the data among household members; a review of travel times for short travel distances; and a review of the spelling of addresses and the existence of street addresses. If an entry on a survey form did not conform to the specifications established for the field, was incomplete, or illegible, ETC Institute employees took one of two actions: (1) they corrected the entry; the corrections were sometimes easy to make given the data provided; or (2) they called participating households to gather the correct data via telephone. When an employee took either of these actions, the employee noted the action taken and reported the action to the project supervisor. This review process prior to data entry ensured that origin and destination addresses were as complete as possible before the information was entered into the computer.
- ETC Institute personnel conducted dual data entry for 100% of the records. All completed surveys were entered into two independent databases by different people. After the data entry was completed for each database, the files were compared and screened for records that did not match. Records that did not match were corrected in each of the databases by different people. The files were then merged again, and records that still did not match were corrected again. This process was repeated until all records in each of the two databases matched. This process ensured that the database was nearly 100% accurate before the geocoding process began.

During the administration of the survey and the subsequent geocoding effort, ETC Institute submitted biweekly progress reports to KIPDA regarding data collection, data editing, coding, and correcting to enable KIPDA's project management team to monitor the progress of the survey.

## Chapter Four

# *Geocoding Process*



**Database Description.** The survey database consists of more than 30,000 records. The contents of the entire database were exported from the survey recording database as a set of five Microsoft Excel spreadsheets, each representing a completed batch of records. The spreadsheets were combined into a single Microsoft Access database table with the following modifications:

- Original field names were abbreviated to support future data processing in older dBase format (see Table 4-1);
- A new unique *text* field (RECID) was created to facilitate testing for duplicate records; and
- An additional unique *numeric* field (ID) was created using MS Access' auto-indexing feature to support the requirements of the geocoding engine. The ID field is the *key* (numeric, unique and indexed) field of the database.
- Other fields were added to store additional information as noted in Table 4-1 below:

**Table 4-1**

Survey Database Field Name	New Field Name	Remarks
	<i>ID</i>	Unique numeric record identifier added in MS Access. Main use - geocoding.
	<i>RECID</i>	Created by concatenating "household number", "person number", and "trip number", using underscores as separators (e.g. 1345_2_5).
"household number"	HHNUM	Unique number
"person number"	PERSNUM	Unique number for the "household"
"trip number"	TRIPNUM	Unique number for the "person" in the "household"
"RELATIONSHIP TO HEAD OF HOUSEHOLD"	REL2HHH	
"day of the week"	DAYOFWK	
"month"	MONTH	
"date"	DATE	
"age"	AGE	
"sex"	SEX	
"licensed driver"	LICDRIVR	
"miles driven today"	MILESTDY	
"employment status"	EMPLSTAT	
"work out of home"	WRKOUTHH	
"if yes worked at home today"	WORKATHH	
"NAME OF starting place"	STARTNAM	Where the trip began (descriptive)
"address"	STRTADRS	Address of the starting location of the trip

Table 4-1, *cont'd*

Survey Database Field Name	New Field Name	Remarks
	<i>STARTUNI</i>	This field was initially inserted to capture extra address data such as building number or apartment number. This later proved unnecessary as the current version of the geocoding engine deals with such address formats internally.
"city"	STARTCIT	
"state"	STARTSTA	
"zipcode"	STARTZIP	
"county"	STARTCNT	Two-letter county abbreviation
	<i>STARTCNT_FULL</i>	Added to capture the full county name
"type of starting place"	STARTYPE	
"where trip ended"	ENDPLACE	
"trip ending address"	ENDADRS	
"city for end of trip"	ENDCITY	
"state for end of trip"	ENDSTATE	
	<i>ENDZIP</i>	Added to capture the appropriate zip code where available
"county for end of trip"	ENDCNTY	Two-letter county abbreviation
	<i>ENDCNTY_FULL</i>	Added to capture the full county name
"ending place type"	ENDPLTYP	
"other"	OTHER	
"purpose of trip"	PURPOSE	
"other purpose"	OTHRPRPS	
"leave time"	LVTIME	
"leave am or pm"	LVAMPM	
"arrive time"	ARRTIME	
"arrive am or pm"	ARRAMPM	
"Mode of travel"	MODE	
"other mode"	OTHRMODE	
"number in vehicle"	NUMINVEH	
"HOUSEHOLD"	HH	Same value as "household number" (abbreviated as HHNUM, see above)
"VEHICLES"	HHVHCLS	
"PERSONS"	HHPRSONS	
"PARTICIPANTS"	HHPARTCP	
"HOME"	HHHOME	
"INCOME"	HHINCOME	
"ADDRESS"	HHADRSS	
"ADDRESS2"	HHADRSS2	
"CITY"	HHCITY	
"STATE"	HHSTATE	
"ZIP"	HHZIP	
"COUNTY"	HHCOUNTY	Two-letter county abbreviation
	<i>HHCOUNTY_FULL</i>	Added to capture the full county name
	<i>BATCHNUM</i>	Added to capture the batch number of the data received from ETC Institute.
	<i>BTCHDATE</i>	Added to record the data that the data batch was received from ETC Institute.



Table 4-1, cont'd

Survey Database Field Name	New Field Name	Remarks
"race"	RACE	Appears only in Batch 2b
"race2"	RACE2	Appears only in Batch 2b. (Only one batch of survey data included information on race, disability, age, and language. This part of the survey data set was identified separately as "Batch 2b" for data processing purposes - to track data origin.)
"race3"	RACE3	Appears only in Batch 2b
"physical disability"	PHYSDIS	Appears only in Batch 2b
"over age 62"	OVER62	Appears only in Batch 2b
"other language"	OTHERLAN	Appears only in Batch 2b
	GEOCODED	Identifies what type of address was used for geocoding of this record
	TAZ_ID	Captures the TAZ ID number from KIPDA's TAZ coverage. Records outside of the TAZ boundaries were assigned a value of 9999.
	GEO_COUNTY	Used to capture the name of the county where the geocoded record fell. Used primarily for quality control.
	C_TRACT	Hold the Census Tract ID number. Points located outside of the study area were assigned a value of 999999.
	C_FIPS	County FIPS number of the geocoded record.

Each geocoded record also includes standard codes explained later in this write-up. From the geocoding perspective, the data fields of interest are those indicating an address. The database contains three (3) sets of address fields:

- Address fields of the participating **household**:

"ADDRESS"	HHADRSS
"ADDRESS2"	HHADRSS2
"CITY"	HHCITY
"STATE"	HHSTATE
"ZIP"	HHZIP
"COUNTY"	HHCOUNTY
	HHCOUNTY_FULL

- Trip start** address and supporting fields:

"NAME OF starting place"	STARTNAM
"address"	STRTADRS
	STARTUNI
"city"	STARTCIT
"state"	STARTSTA
"zipcode"	STARTZIP
"county"	STARTCNT
	STARTCNT_FULL
"type of starting place"	STARTYPE

- **Trip end** address and supporting fields:

"where trip ended"	ENDPLACE
"trip ending address"	ENDADRS
"city for end of trip"	ENDCITY
"state for end of trip"	ENDSTATE
	ENDZIP
"county for end of trip"	ENDCNTY
	ENDCNTY_FULL
"ending place type"	ENDPLTYP

It should be noted that the trip end addresses did not contain the postal *zip code* information, as it was not filled out by the survey respondents. Since most geocoding engines work with the street address - zip code pairs, lack of zip code data in the address increases the difficulty of correctly locating the address on the map and significantly lengthens the time required to perform the geocoding of those addresses.

**Pre-Processing of Survey Records.** A number of data integrity checks and corrections were performed within the MS Access database. These are described as follows:

- Duplicate records checks - using the values contained in the RECID field, which was assumed to uniquely identify each record (this field is the combination of the household number, person number and trip number, e.g. "3426\_1\_3"), records with the same RECIDs were identified and corrected. This process resulted in fewer than ten corrections.
- Partial assignment of zip codes to trip end addresses - for trips that ended at the HOME location, corresponding zip codes were captured from the STARTZIP field. To accomplish this task, a lookup table was created showing all zip codes of the trip starting places for those trips that began at HOME. Using the HHNUM field to relate the end trip sub-table and the lookup table, corresponding zip codes were identified and copied into the ENDZIP field.
- Full county names - in order to support geographic queries, full county names must be available in the database. Where known, the fields *HHCOUNTY\_FULL*, *STARTCNT\_FULL*, and *ENDCNTY\_FULL* were populated with the complete county name. In cases where the original information was ambiguous, other parts of the place's address (state, city, and zip) were looked at and found using the project's GIS software. Occasional corrections to the two-letter county abbreviation fields (*STARTCNT*, *HHCOUNTY*, and *ENDCNTY*) were made as needed.
- Corrections to city names - additional inspection revealed a number of misspelled or abbreviated city names. These were manually corrected using digital map lookups in a commercial geographic database of place names and zip code boundaries, as needed. The vast majority of the city names were thus corrected.

### ***Address Geocoding***

TransCAD 4.0, by Caliper Corporation, and ArcView 3.2, by ESRI, were used as the geocoding engines. While ArcView remains the primary geocoding tool where reference address layers are of high quality, as was the case for Jefferson County where KIPDA provided the Louisville-Jefferson County Information Consortium's (LOJIC) street segment and point files, additional coding flexibility is often needed for more complex or voluminous data sets. The current version of TransCAD provides some of the most sophisticated address matching functionality available. To verify TransCAD's geocoding flexibility, a comparison run was made using ETAK's geocoding engine (EZ Locate) and TransCAD. Caliper's Streets '99 - a U.S. wide street coverage - was used. The Streets '99 dataset is based on latest 1999 TIGER/Line files from the US Bureau of the Census and contains 37,683,671 streets segments for the United States. Details about the address geocoding properties of this reference coverage and the standard match codes output by the geocoding process in TransCAD are provided at the end of this chapter.

A sample 100 addresses were located with high degree of accuracy (well over 90%) by both applications, with the number of unmatched records approximately the same for each engine. As a result, TransCAD 4.0 was selected for the initial geocoding of the survey results, with the understanding that other tools (ArcView, ETAK) may be used as well, if needed. This strategy is further supported by TransCAD's ability to directly read, write, and index many data formats, including ESRI's shapefiles, MS Access databases, dBase files, and any other ODBC-compliant databases.

Initially, the entire survey results database was geocoded in TransCAD to the Streets'99 address reference layer, as described below. Following geocoding in TransCAD, addresses in Jefferson County were matched in ArcView to the LOJIC point and street segment files to improve the quality (match rate and spatial dispersion) of the geocoding results. The process of address matching using the LOJIC data was straightforward and required little to no cleanup. All the matched records from both the TransCAD and ArcView-based runs were ultimately combined into a set of three ESRI shapefiles for submittal to KIPDA.

More than 90% of the household and trip start addresses were successfully geocoded during the initial run. Geocoding of addresses associated with trip ends, most of which did not have zip code information, required multi-pass processing, including additional zip code and address research. Multi-pass processing was used to geocode approximately 84% of the trip ends, at which point geocoding to zip codes was used to complete the process.

First, trip end addresses with zip codes were coded. This relatively small subset of trip end addresses corresponds to the household addresses (trips ending at HOME). Next, an attempt to geocode the remaining (unmatched) trip end addresses was made by making use of the software's ability to use location indexes in place of zip codes to locate valid addresses. In this case, the fields utilized were:

- "trip ending address" (ENDADRS)
- "city for end of trip" (ENDCITY)
- "state for end of trip" (ENDSTATE)

For each record, the geocoding engine tried to locate the trip end address by parsing through the street network within the state/city specified for the address. This process, although largely automated, took numerous hours of computer time to complete and resulted in 20,060 out of 28,508 records being successfully geocoded. The remaining (unmatched) records were further processed in small batches (address modifications/cleanup, intersection address format cleanup, manual geocoding to highway addresses and landmarks/businesses) The majority of the unmatched trip end addresses were intersections (e.g., Hwy X Exit Y).

**Geocoding Results.** The following address match results were achieved:

Trip end addresses:	91.5%
Trip start addresses:	98.4%
Household addresses:	98.8

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<b>Average match rate:</b>	<b>93.8% (weighted average)</b>
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Details follow:

- **Trip Ends** - geocoding results:
  - Total records with non-null trip end address field: 28,508
  - Total trip end records geocoded: 26,074

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Match rate:  $26,074 / 28,508 = 91.5\%$

- **Trip Starts** - geocoding results:
  - Total records with non-null trip start address field: 9,799
  - Total trip end records geocoded: 9,643

---

Match rate:  $9,643 / 9,799 = 98.4\%$

- **Households** - geocoding results:
  - Total records with non-null trip start address field: 4,466
  - Total trip end records geocoded: 4,412

---

Match rate:  $4,412 / 4,466 = 98.8\%$

**Note:** All three (3) point layers saved as ESRI Shapefiles (NAD83, Kentucky North - Zone 1601, feet).

The results of the geocoding process are shown graphically in Figures 4-1 through 4-3 at the end of this chapter. Due to paper size limitations, these graphics are shown only as a general illustration of the clustering of the records in the survey database. For detailed point locations of matched addresses / places, the resulting shapefiles should be viewed in ArcView or other GIS software.

**Address Match Codes.** The Caliper U.S. Streets file has been standardized, or “cleaned up” so that streets are named in a consistent way. For example, “Ave” is always used as the abbreviation for “Avenue,” and “2nd Ave” is used instead of “Second Avenue.” When features are located by address, TransCAD standardizes these addresses the same way and then attempts to match records in user data to features in the Streets file. The standardization rules are based on those used for creating TIGER/Line files.

TransCAD creates a report file containing the standardized addresses and the results of the match. The report is organized as a table and contains the following information for each record:

Field	Contents	Meaning
ID	ID of the record	The ID matches the one in the user's input file
STDNUMBER	Street Number	The standardized street number
POSTNUMBER	Extra Numbers	Apartment numbers and other miscellaneous information
STDNAME	Street Name	The standardized street name for an address
STDSTRT1	Street Name	The first street name for an intersection location
STDSTRT2	Street Name	The intersecting street name for an intersection location
ZIPCODE	ZIP Code	The standardized ZIP Code
STDPLACE	City/state name	The standardized city and state name
Street_ID	Street feature ID	The ID of the street segment in the Streets file that was matched to the user's record
Left_Right	Side of street	Zero means the user's record was placed on the right side of the street; one means it was placed on the left side of the street
Result	A special code	Indicates what happened when the match was attempted

Each record in the file may have one or more match codes, all of which are next to one another in the **Result** field. Meanings of each match code are provided below:

<u>Code</u>	<u>Meaning</u>
A	The record was located successfully, without asking the user for help.
R	The record was not located automatically.
U	TransCAD offered several possible matches, and the user chose one.
X	TransCAD offered several possible matches, and the user rejected them all.
I	The input address was identified as an intersection.
S	The street name or alternate name did not match exactly.
N	The street number did not match exactly.
Z	The input ZIP Code was not found in the Streets file.

Below are some examples of match results and their meanings:

Match Result   Meaning

A	The record matched a street feature perfectly and was located automatically.
AS	The record was located successfully, even though the street name did not match perfectly.
US	The street name did not match perfectly, TransCAD offered several choices, and the user accepted one of them.
RSN	The record was not located because neither the street name nor the street number matched.
RSSN	The record was not located because the street name, the alternate street name, and the street number did not match.
AI	The address was interpreted as an intersection, and was located automatically.

When using a Location Index (a method similar to the one used to locate trip ends), the report file contains slightly different information for each record:

Field	Contents	Meaning
ID	ID of the record	The ID matches the one in the user's input file
STDNUMBER	Address Number	The standardized address number
STDNAME	Address Name	The actual address name stored in the matching feature
ZIPCODE	ZIP or Postal Code	The actual ZIP Code or postal code stored in the matching feature
STREETID	Feature ID	The ID of the matching feature
LEFT_RIGHT	Side of feature	0 if the address number is in the range of addresses for the right side of the feature, or 1 if it is in the left range
RESULT	A special code	Indicates what happened when the match was attempted
STDLON	Longitude	The computed longitude, with six implied decimal places
STDLAT	Latitude	The computed latitude, with six implied decimal places

Each record will have a match code in the Result field. Meanings of each match code are as follows:

<u>Code</u>	<u>Meaning</u>
A1	The record was located successfully with a high score. If the Matching Method is Very Strict, only records with A1 codes will be located successfully.
A2	The record was located successfully with a medium score. If the Matching Method is Normal, only records with A2 codes or higher will be located successfully.
A3-A5	The record was located successfully with a lower score. If the Matching Method is Not Strict, only records with A5 codes or higher will be located successfully.
R	The record was not located automatically.
U	User chose one of the possible matches using the Ask If Uncertain mode.
X	User rejected all of the possible matches using the Ask If Uncertain mode.

**Figure 4-1 Geocoded Household Addresses**

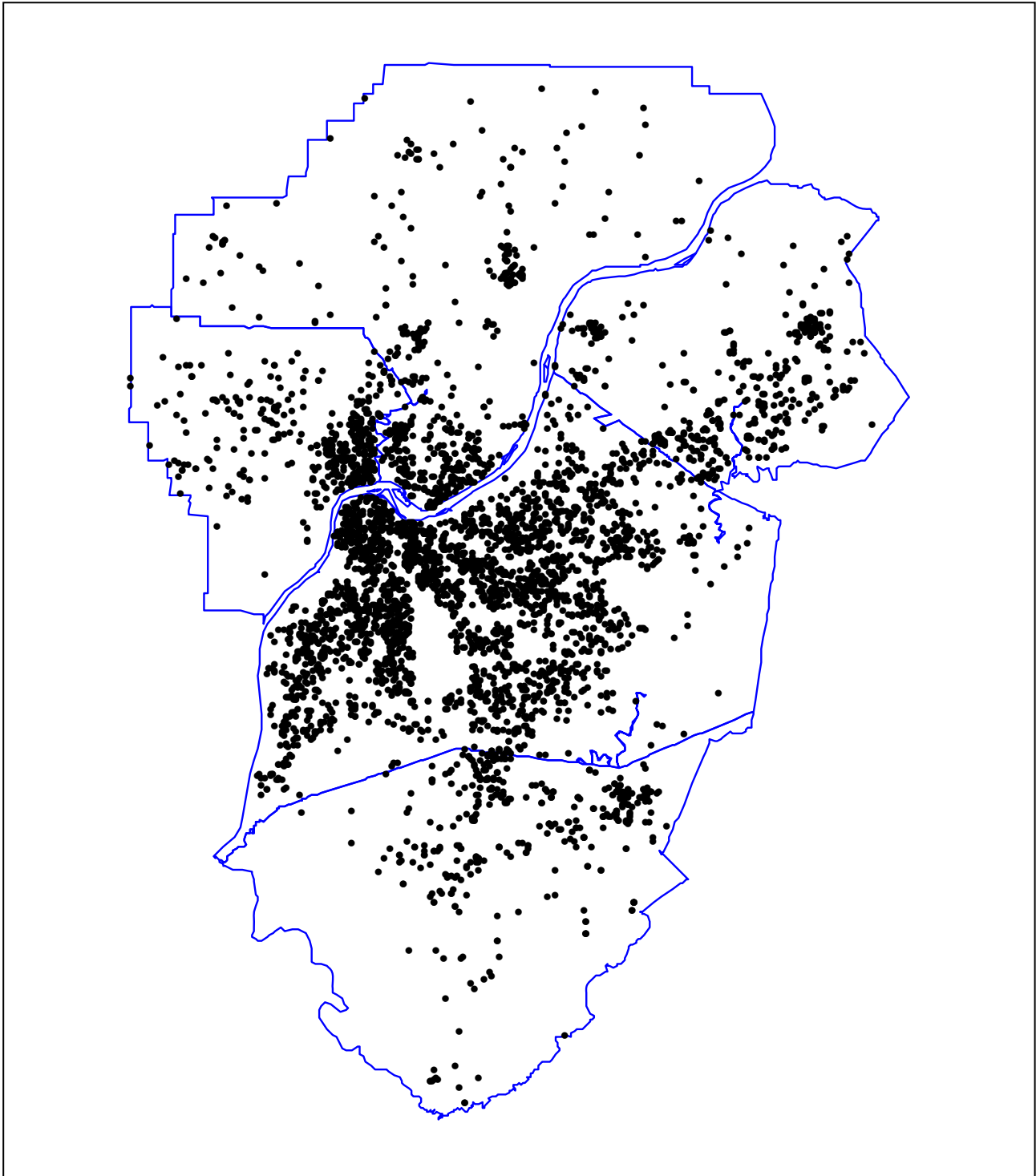




Figure 4-2 Trip Starts

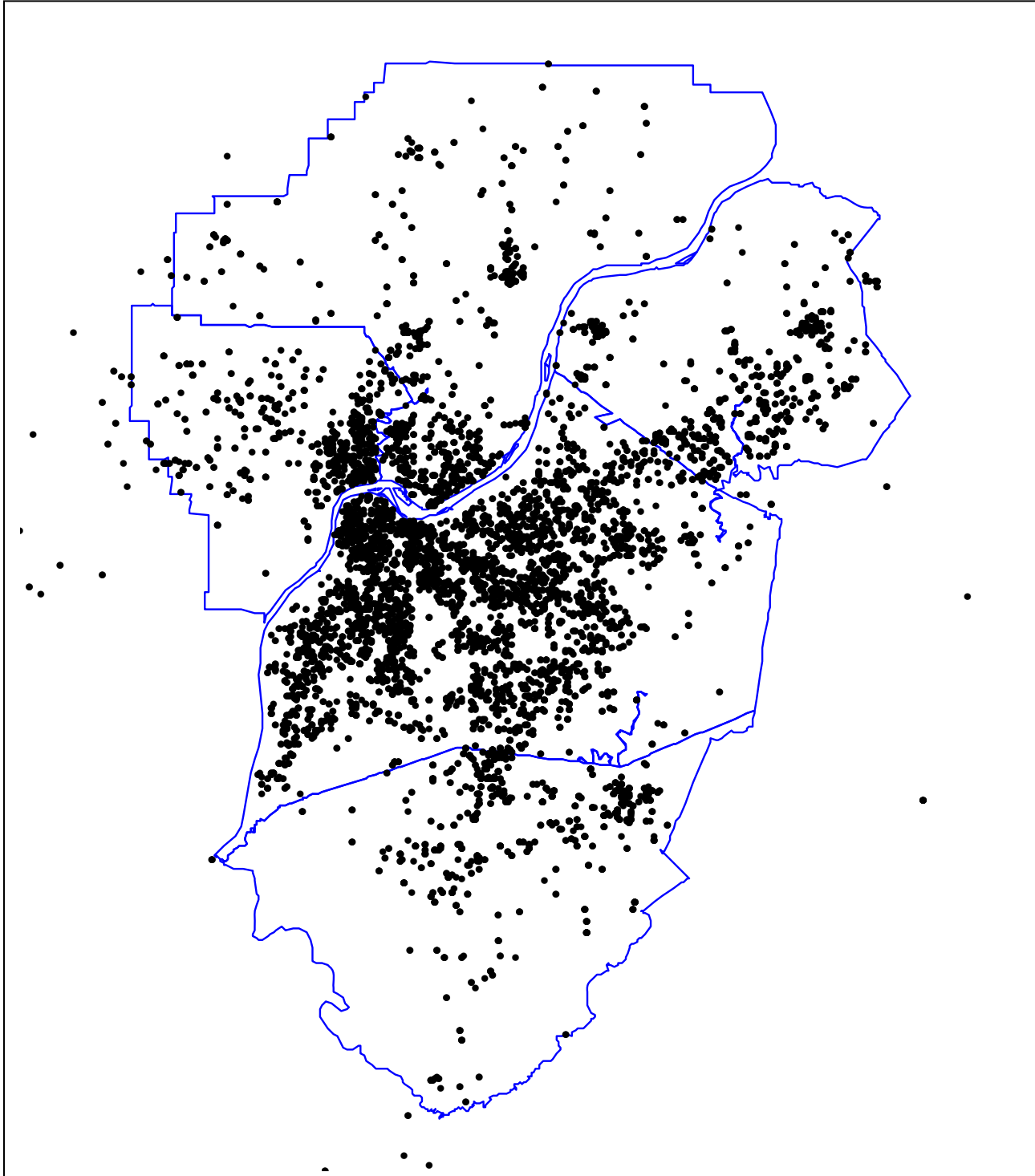
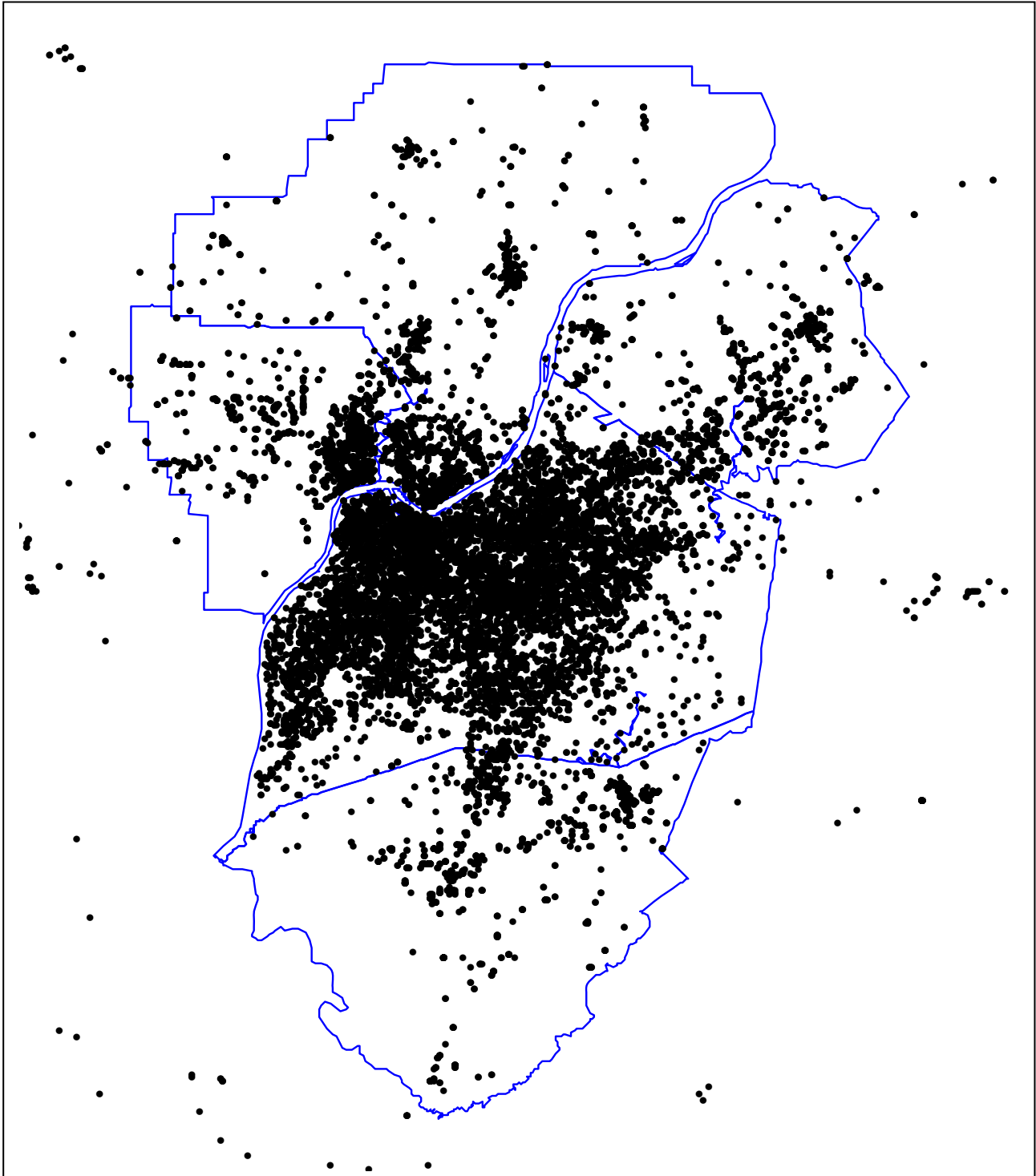


Figure 4-3 Trip Ends



Chapter Five

*Demographics*



## **Overview**

This chapter contains information about the demographic characteristics of households that participated in the survey. The demographic characteristics for the overall sample, the randomly selected sample, and the sample of traditionally underserved populations are provided in the figures and tables on the following pages for each of the items listed below:

- vehicles per household (Figures 5-1 and 5-2)
- persons per household (Figures 5-3 and 5-4)
- type of housing (Figures 5-5 and 5-6)
- annual household income (Figures 5-7 and 5-8)
- gender of travel survey participants (Figures 5-9 and 5-10)
- age of travel survey participants (Figures 5-11 and 5-12)
- employment status of travel survey participants (Figures 5-13 and 5-14), and
- percentage of travel survey participants with valid driver's license (Figures 5-15 and 5-16)

Information about the demographic characteristics of the sample of traditionally underserved populations is also provided. Figure 5-17 shows the percentage of persons surveyed who have a physical disability. Figure 5-18 shows the composition of the sample by race/ethnicity.

Tables 5-1 through 5-28 contain demographic data for each sub level of geography. The number of persons or households that are represented in each table is indicated by (N= ). For example, in Table 5-1, N=9264. This indicates that there were 9,264 persons in the randomly selected households that were surveyed. In Table 5-17, N=320. This indicates that there were 320 households from the survey of traditionally underserved populations who provided the data.

## **Major Findings**

**Vehicles per Household.** Ninety-one percent (91%) of all households surveyed had at least one vehicle available. Forty-two percent (42%) of the randomly selected households from Louisville Central did not have a vehicle; 84.8% of the randomly selected households in Oldham County had two or more vehicles.

**Household Occupants.** Twenty percent (20%) of all households surveyed had four or more occupants. Thirty-two percent (32%) of the randomly selected households from Oldham County had four or more occupants; thirty-five percent (35%) of the sample of traditionally underserved populations from Jefferson County had only one occupant.

**Housing Structures:** Eighty percent (80%) of all households surveyed lived in single-family units; twenty percent (20%) lived in multi-family units. Forty-five percent (45%) of the households in the sample of traditionally underserved populations lived in multi-family units; ninety-two percent (92%) of the randomly selected households from Bullitt County lived in single-family units.

**Gender:** Forty-seven percent (47%) of the randomly selected travel survey participants were male; fifty-three percent (53%) were female. Forty-eight percent (48%) of the survey participants from the sample of traditionally underserved households were male and fifty-two percent (52%) were female.

**Licensed Drivers:** Seventy-nine percent (79%) of the randomly selected travel survey participants were licensed drivers; twenty-one percent (21%) were not. The majority of those who were not licensed drivers were children under age 16. Sixty percent (60%) of the survey participants from the sample of traditionally underserved households were licensed drivers; forty percent (40%) were not.

**Annual Household Income:** Twenty-three percent (23%) of all households surveyed earn less than \$20,000 per year; twenty percent (20%) of the randomly selected sample earned less than \$20,000 per year; fifty-nine percent (59%) of the households from the sample of traditionally underserved households earned less than \$20,000 per year. About half of the households surveyed earned between \$20,000 and \$59,999 per year.

**Employment Status:** Forty-two percent (42%) of the randomly selected travel survey participants were employed full-time; ten percent (10%) were employed part-time, and forty-eight percent (48%) were not employed. The majority of those who were not employed were children under age 16 and adults over age 60. Fifty-five percent (55%) of the survey participants from the sample of traditionally underserved households were not employed.

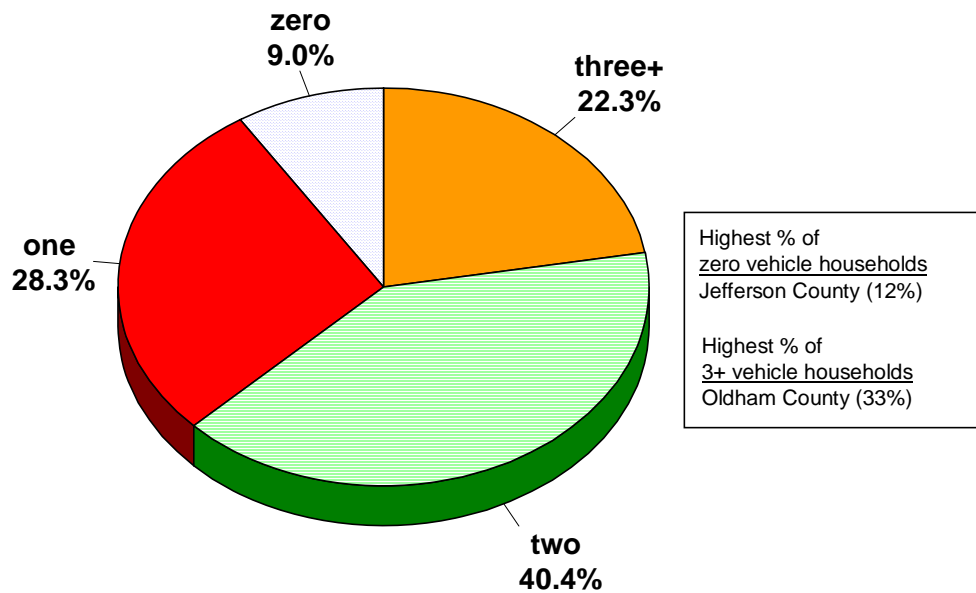
**Race/ethnicity:** Sixty-four percent (64%) of the survey participants from the sample of traditionally underserved households were racial or ethnic minorities; fifty-five percent (55%) were African American, thirty-six percent (36%) were White, and nine percent (9%) were of other races/ethnicities, mainly Asians and Hispanics.

**Persons with Physical Disabilities:** Twenty-four percent (24%) of the survey participants from the sample of traditionally underserved households had a physical disability; seventy-six percent (76%) did not.

Figure 5-1

## Vehicles Per Household

By Percentage of ALL Households Surveyed (N=4433)



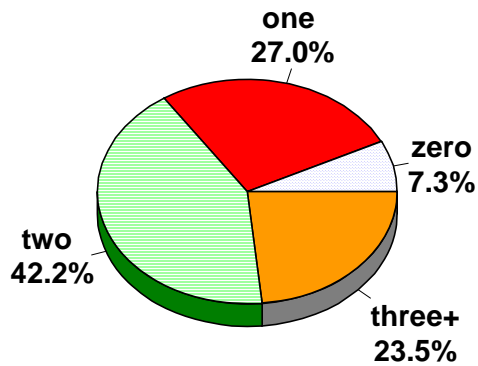
Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-2

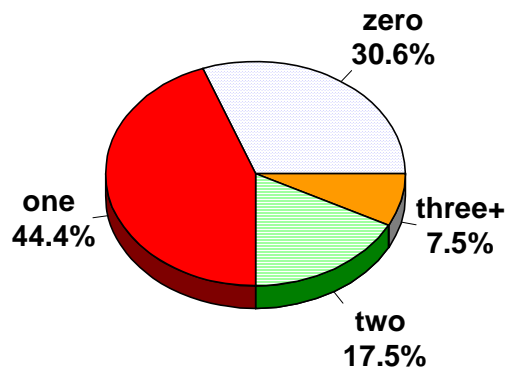
## Vehicles Per Household

By Percentage of Households Surveyed

### Random Sample (N=4113)



### Traditionally Underserved Sample (N=320)

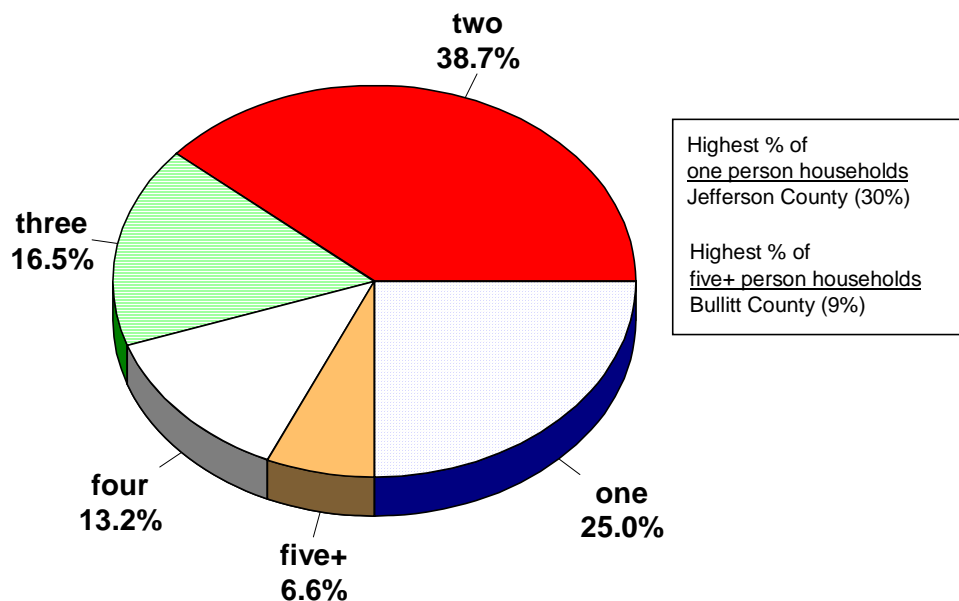


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-3

## Persons Per Household

By Percentage of ALL Households Surveyed (N=4433)



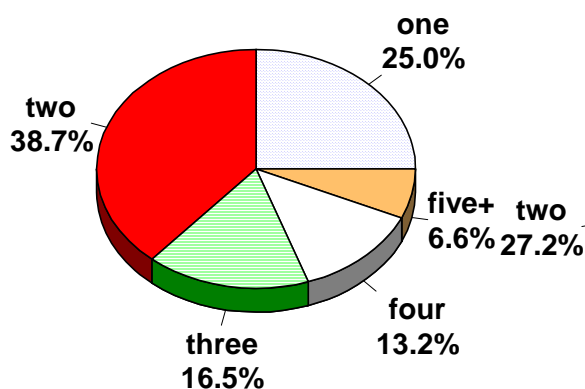
Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-4

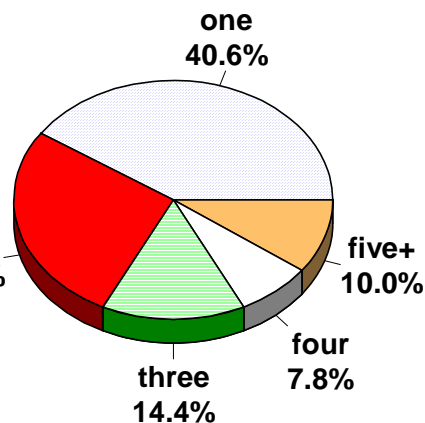
## Persons Per Household

By Percentage of Households Surveyed

### Random Sample (N=4113)



### Traditionally Underserved Sample (N=320)



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)



Figure 5-5

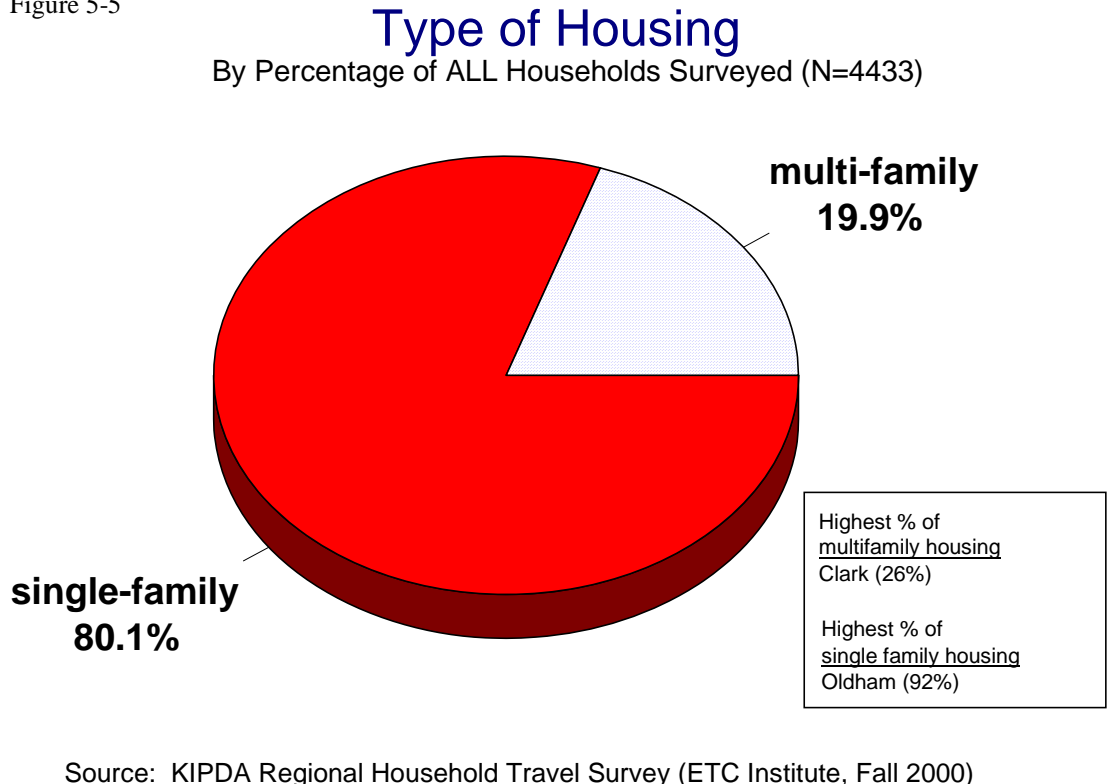


Figure 5-6

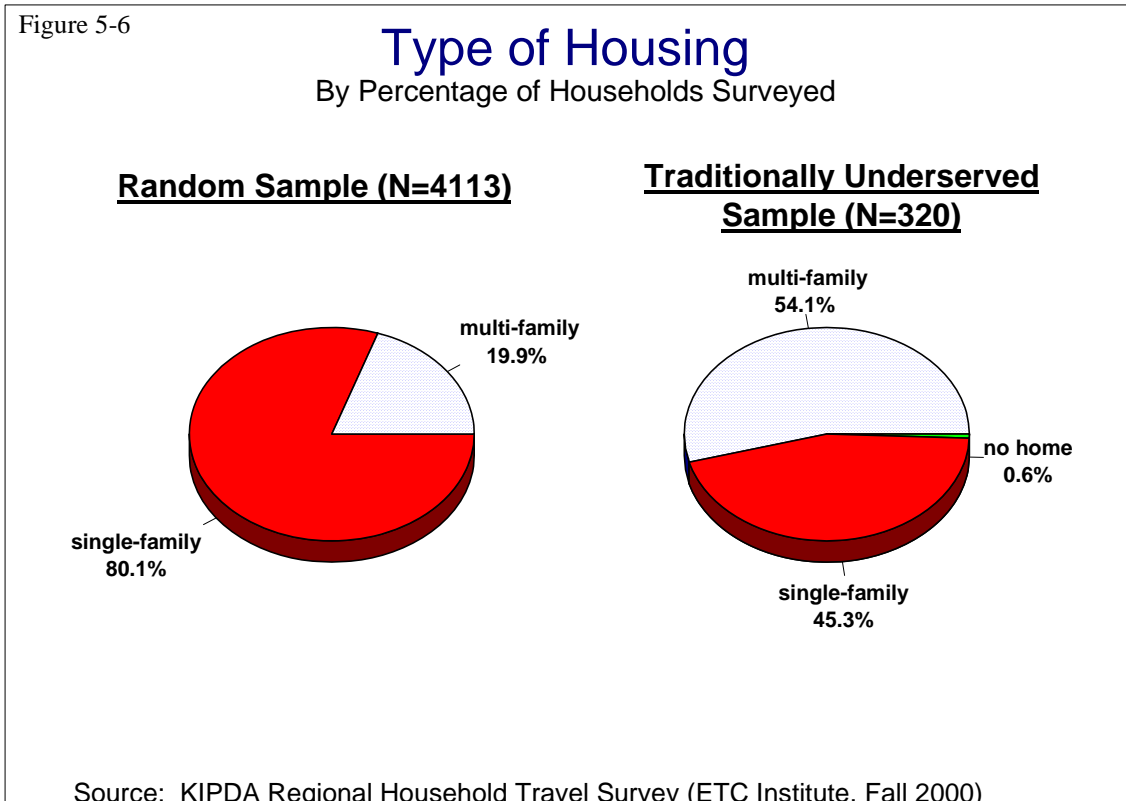
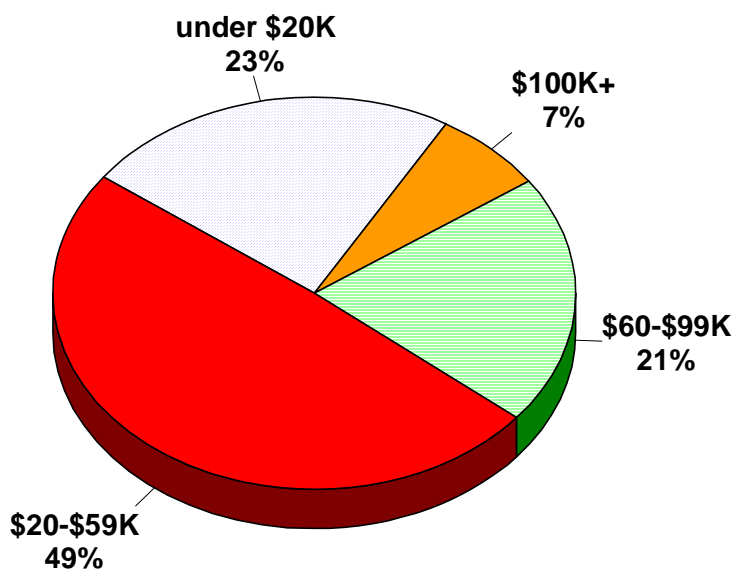


Figure 5-7

## Annual Household Income

By Percentage of ALL Households Surveyed  
(excluding those who did not provide the information, N=3221)



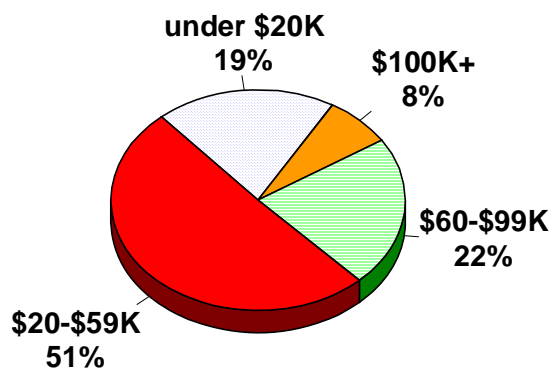
Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-8

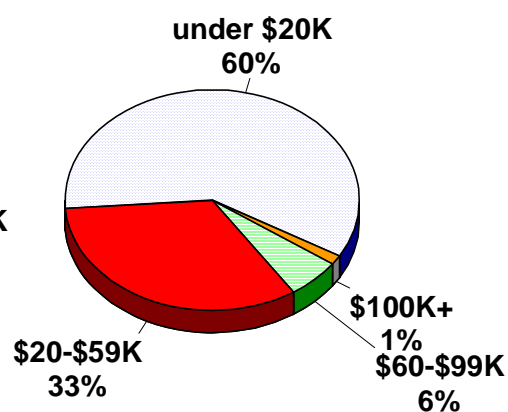
## Annual Household Income

By Percentage of Households Surveyed  
(excluding those who did not provide the information)

### Random Sample (N=2925)



### Traditionally Underserved Sample (N=296)

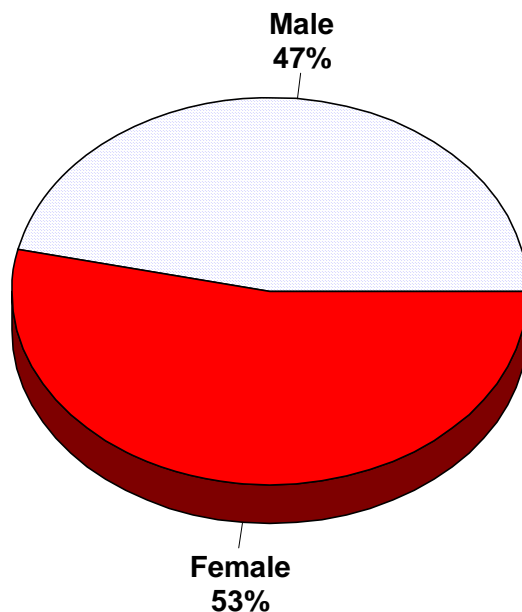


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-9

## Gender of Travel Survey Participants

By Percentage of ALL Persons Who Completed a Travel Diary (N=9894)



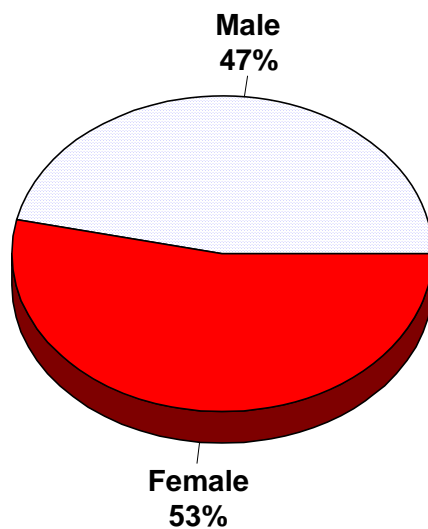
Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-10

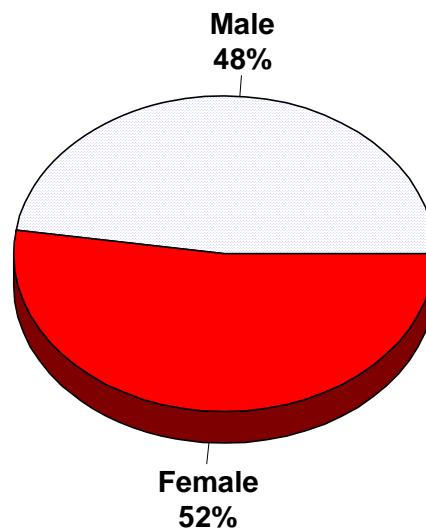
## Gender of Travel Survey Participants

By Percentage of Persons Who Completed a Travel Diary

### Random Sample (N=9264)



### Traditionally Underserved Sample (N=630)

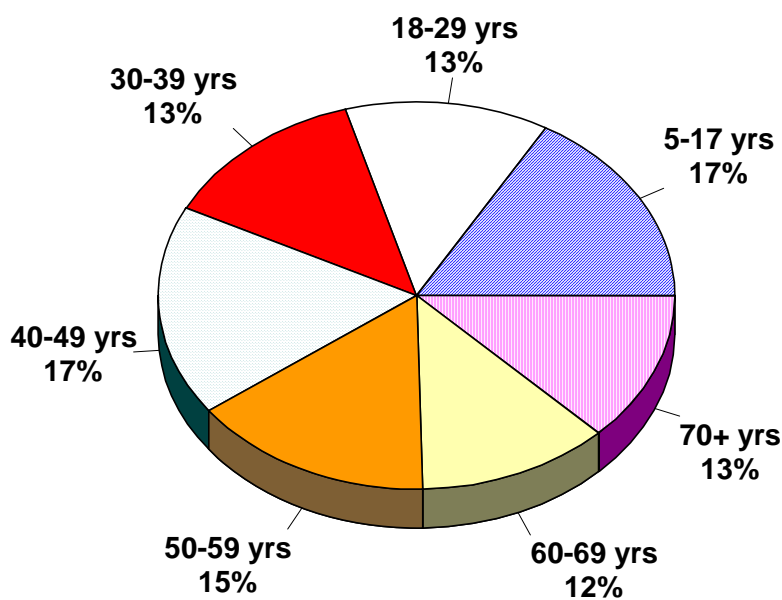


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-11

## Age of Travel Survey Participants

By Percentage of ALL Persons Who Completed a Travel Diary (N=9894)

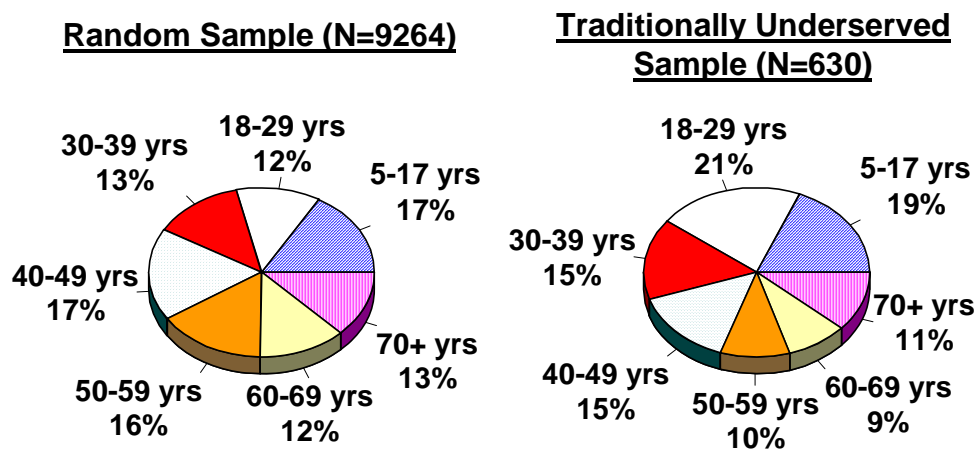


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-12

## Age of Travel Survey Participants

By Percentage of Persons Who Completed a Travel Diary

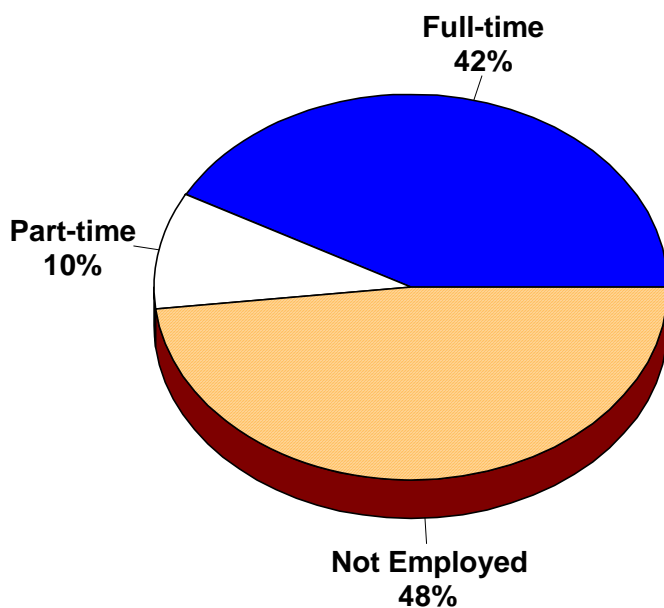


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-13

## Employment Status of Travel Survey Participants

By Percentage of ALL Persons Who Completed a Travel Diary (N=9894)

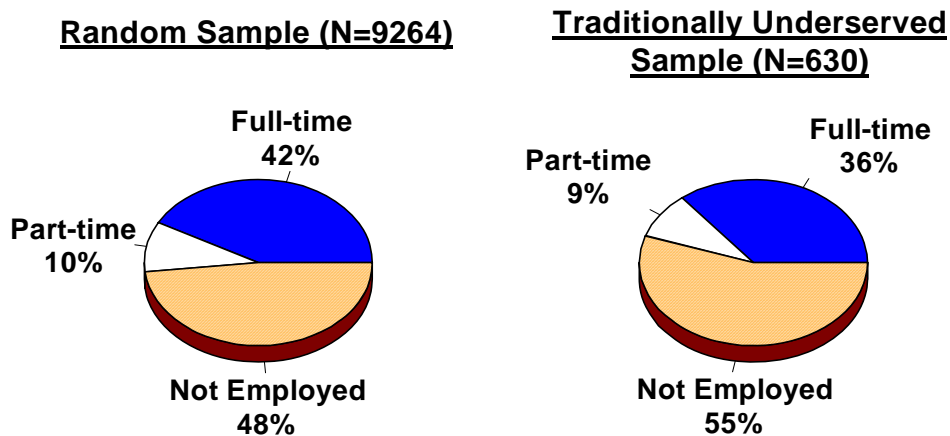


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-14

## Employment Status of Travel Survey Participants

By Percentage of Persons Who Completed a Travel Diary

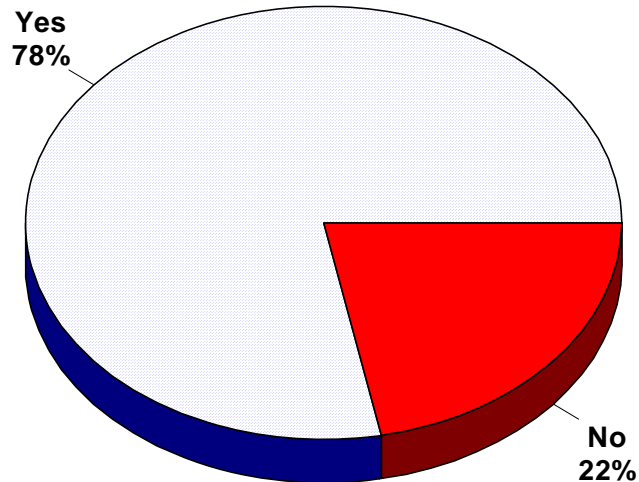


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-15

## Percentage of Travel Survey Participants With a Valid Driver's License

By Percentage of ALL Persons Who Completed a Travel Diary (N=9894)



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

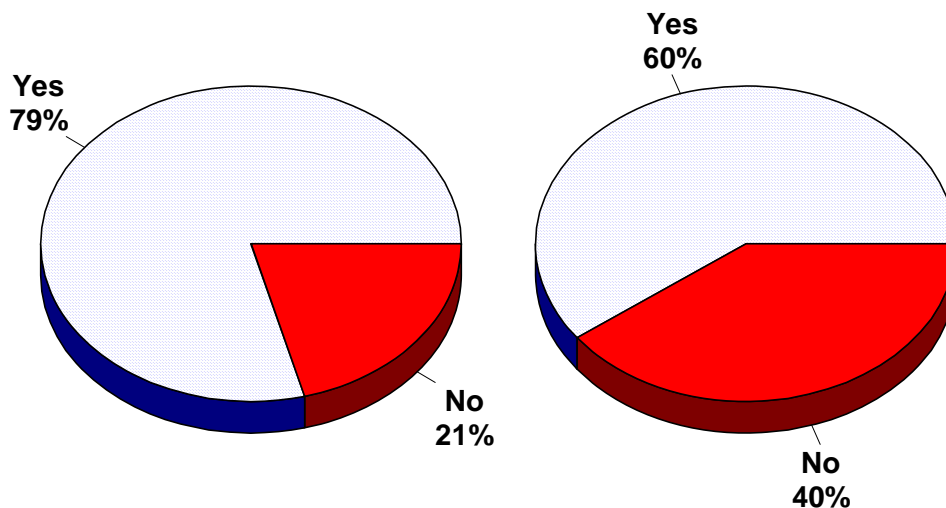
Figure 5-16

## Percentage of Travel Survey Participants With a Valid Driver's License

By Percentage of Persons Who Completed a Travel Diary

**Random Sample (N=9264)**

**Traditionally Underserved  
Sample (N=630)**

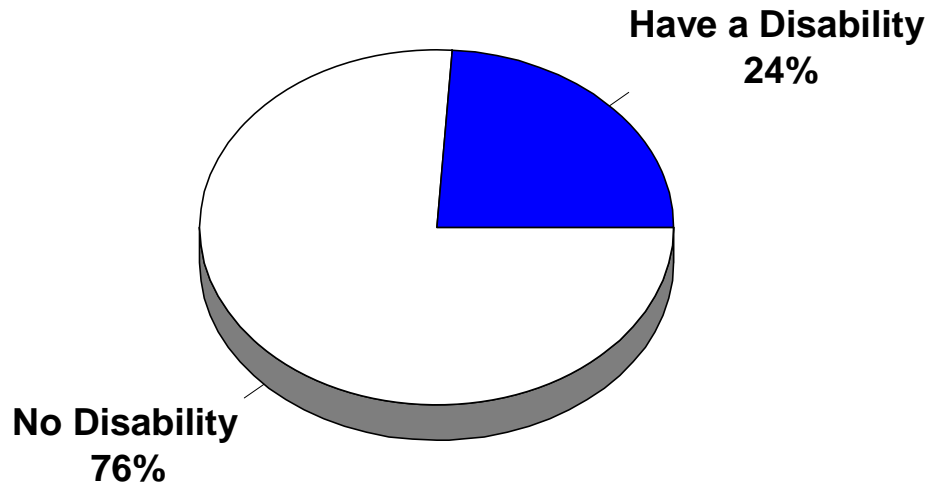


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-17

**Percentage of Travel Survey Participants in the Traditionally Underserved Sample with Physical Disabilities**

By Percentage of Persons Who Completed a Travel Diary (N=630)

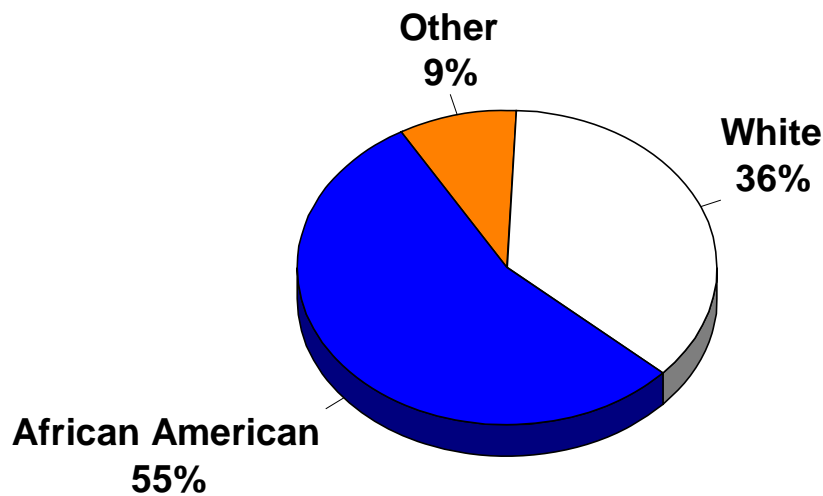


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 5-18

**Race/Ethnicity of Travel Survey Participants in the Survey Administered to Traditionally Underserved Populations**

By Percentage of Persons Who Completed a Travel Diary (N=630)



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Table 5-1

**DEMOGRAPHIC CHARACTERISTICS OF TRAVEL SURVEY PARTICIPANTS  
(RANDOMLY SELECTED GROUP ONLY)**

N=9264 Persons	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Sex</u>						
male	2431 45.4%	480 47.8%	461 48.6%	483 47.9%	459 48.8%	4314 46.6%
female	2927 54.6%	525 52.2%	487 51.4%	526 52.1%	482 51.2%	4947 53.4%

Missing cases = 3

Table 5-2

**DEMOGRAPHIC CHARACTERISTICS OF TRAVEL SURVEY PARTICIPANTS  
(RANDOMLY SELECTED GROUP ONLY)**

N=9264 Persons	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Licensed driver</u>						
Yes	4191 78.4%	803 80.0%	761 80.4%	809 80.7%	734 78.4%	7298 79.0%
No	1156 21.6%	201 20.0%	185 19.6%	193 19.3%	202 21.6%	1937 21.0%

Missing cases = 29



Table 5-3

**DEMOGRAPHIC CHARACTERISTICS OF TRAVEL SURVEY PARTICIPANTS  
(RANDOMLY SELECTED GROUP ONLY)**

N=9264 Persons	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Employment status</u>						
full time	2179 40.8%	426 42.5%	414 43.8%	453 45.2%	416 44.4%	3888 42.1%
part time	499 9.3%	103 10.3%	106 11.2%	102 10.2%	77 8.2%	887 9.6%
not employed	2668 49.9%	474 47.3%	425 45.0%	447 44.6%	443 47.3%	4457 48.3%

Missing cases = 32

Table 5-4

**AGE OF TRAVEL SURVEY PARTICIPANTS (RANDOMLY SELECTED GROUP  
ONLY)**

N=9264 Persons

<u>age</u>	<u>Number</u>	<u>Percent</u>
5-17 years	1531	16.6 %
18-29 years	1106	11.9 %
30-39 years	1218	13.2 %
40-49 years	1624	17.5 %
50-59 years	1448	15.6 %
60-69 years	1154	12.5 %
<u>70 and older</u>	<u>1173</u>	<u>12.7 %</u>
Total	9254	100.0 %

Missing Cases = 10

Table 5-5

**DEMOGRAPHIC CHARACTERISTICS OF TRAVEL SURVEY PARTICIPANTS  
(TRADITIONALLY UNDERSERVED GROUP ONLY)**

N=630 Persons	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Sex</u>						
Male	200 48.3%	70 48.6%	14 51.9%	10 34.5%	6 40.0%	300 47.7%
Female	214 51.7%	74 51.4%	13 48.1%	19 65.5%	9 60.0%	329 52.3%

Missing cases = 1

Table 5-6

**DEMOGRAPHIC CHARACTERISTICS OF TRAVEL SURVEY PARTICIPANTS  
(TRADITIONALLY UNDERSERVED GROUP ONLY)**

N=630 Persons	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Licensed driver</u>						
Yes	239 57.7%	101 70.1%	17 63.0%	12 41.4%	9 60.0%	378 60.1%
No	175 42.3%	43 29.9%	10 37.0%	17 58.6%	6 40.0%	251 39.9%

Missing cases = 1

Table 5-7

**DEMOGRAPHIC CHARACTERISTICS OF TRAVEL SURVEY PARTICIPANTS  
(TRADITIONALLY UNDERSERVED GROUP ONLY)**

N=630 Persons	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Employment status</u>						
full time	167 40.2%	48 33.3%	7 25.9%	2 6.9%	1 6.7%	225 35.7%
part time	43 10.4%	12 8.3%	3 11.1%	0 0.0%	0 0.0%	58 9.2%
not employed	205 49.4%	84 58.3%	17 63.0%	27 93.1%	14 93.3%	347 55.1%

Table 5-8

**AGE OF TRAVEL SURVEY PARTICIPANTS (TRADITIONALLY UNDERSERVED  
GROUP ONLY)**

N= 630 Persons

<u>age</u>	<u>Number</u>	<u>Percent</u>
5-17 years	119	18.9 %
18-29 years	131	20.8 %
30-39 years	97	15.4 %
40-49 years	94	14.9 %
50-59 years	61	9.7 %
60-69 years	56	8.9 %
<u>70 and older</u>	<u>71</u>	<u>11.5 %</u>
Total	629	100.0 %

Missing Cases = 1

Table 5-9

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY COUNTY FOR ALL HOUSEHOLDS**

N=4433 Households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>VEHICLES</u>						
0	316 11.7%	44 8.5%	15 3.6%	12 2.9%	12 3.1%	399 9.0%
1	870 32.2%	157 30.3%	101 24.3%	64 15.6%	61 15.7%	1253 28.3%
2	1044 38.7%	189 36.4%	171 41.2%	198 48.2%	189 48.6%	1791 40.4%
3+	469 17.4%	129 24.9%	128 30.8%	137 33.3%	127 32.6%	990 22.3%

Table 5-10

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY COUNTY FOR ALL HOUSEHOLDS**

N=4433 Households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>PERSONS</u>						
1	818 30.3%	132 25.4%	80 19.3%	61 14.8%	68 17.5%	1159 26.1%
2	1010 37.4%	188 36.2%	180 43.4%	145 35.3%	154 39.6%	1677 37.8%
3	409 15.2%	111 21.4%	63 15.2%	79 19.2%	64 16.5%	726 16.4%
4	287 10.6%	55 10.6%	69 16.6%	91 22.1%	67 17.2%	569 12.8%
5+	175 6.5%	33 6.4%	23 5.5%	35 8.5%	36 9.3%	302 6.8%

Table 5-11

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY COUNTY FOR ALL HOUSEHOLDS**

N=4433 Households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>HOME</u>						
SINGLE-FAMILY	2010 74.5%	381 73.4%	341 82.2%	380 92.5%	354 91.0%	3466 78.2%
MULTI-FAMILY	689 25.5%	136 26.2%	74 17.8%	31 7.5%	35 9.0%	965 21.8%
NO HOME	0 0.0%	2 0.4%	0 0.0%	0 0.0%	0 0.0%	2 0.0%

Table 5-12

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY COUNTY FOR ALL HOUSEHOLDS**

N=4433 Households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<b><u>INCOME</u></b>						
under \$20,000	475 17.6%	131 25.2%	53 12.8%	41 10.0%	51 13.1%	751 16.9%
\$20 to \$39	589 21.8%	110 21.2%	72 17.3%	49 11.9%	81 20.8%	901 20.3%
\$40 to \$59	400 14.8%	70 13.5%	75 18.1%	62 15.1%	74 19.0%	681 15.4%
\$60 to \$79	248 9.2%	49 9.4%	37 8.9%	60 14.6%	46 11.8%	440 9.9%
\$80 to \$99	115 4.3%	23 4.4%	21 5.1%	32 7.8%	29 7.5%	220 5.0%
\$100,000+	124 4.6%	18 3.5%	26 6.3%	45 10.9%	15 3.9%	228 5.1%
not provided	748 27.7%	118 22.7%	131 31.6%	122 29.7%	93 23.9%	1212 27.3%

Table 5-13

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY COUNTY FOR RANDOMLY SELECTED HOUSEHOLDS ONLY**

N=4113 Households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>VEHICLES</u>						
0	256 10.2%	19 4.4%	15 3.7%	2 0.5%	9 2.4%	301 7.3%
1	785 31.2%	120 27.8%	94 23.3%	57 14.7%	55 14.6%	1111 27.0%
2	1018 40.5%	170 39.4%	167 41.4%	195 50.1%	185 49.2%	1735 42.2%
3+	455 18.1%	122 28.3%	127 31.5%	135 34.7%	127 33.8%	966 23.5%



Table 5-14

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY COUNTY FOR RANDOMLY SELECTED HOUSEHOLDS ONLY**

N=4113 Households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>PERSONS</u>						
1	754 30.0%	91 21.1%	78 19.4%	48 12.3%	58 15.4%	1029 25.0%
2	958 38.1%	166 38.5%	176 43.7%	138 35.5%	152 40.4%	1590 38.7%
3	384 15.3%	95 22.0%	59 14.6%	78 20.1%	64 17.0%	680 16.5%
4	271 10.8%	49 11.4%	67 16.6%	91 23.4%	66 17.6%	544 13.2%
5+	147 5.8%	30 7.0%	23 5.7%	34 8.7%	36 9.6%	270 6.6%

Table 5-15

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY COUNTY FOR RANDOMLY SELECTED HOUSEHOLDS ONLY**

N=4113 Households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>HOME</u>						
SINGLE-FAMILY	1912 76.1%	338 78.4%	336 83.4%	361 92.8%	346 92.0%	3293 80.1%
MULTI-FAMILY	602 23.9%	93 21.6%	67 16.6%	28 7.2%	30 8.0%	820 19.9%
NO HOME	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%

Table 5-16

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY COUNTY FOR RANDOMLY SELECTED HOUSEHOLDS ONLY**

N=4113 Households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>INCOME</u>						
under \$20,000	390 15.5%	68 15.8%	48 11.9%	26 6.7%	43 11.4%	575 14.0%
\$20 to \$39	536 21.3%	94 21.8%	66 16.4%	45 11.6%	79 21.0%	820 19.9%
\$40 to \$59	388 15.4%	66 15.3%	75 18.6%	61 15.7%	74 19.7%	664 16.1%
\$60 to \$79	236 9.4%	46 10.7%	36 8.9%	60 15.4%	46 12.2%	424 10.3%
\$80 to \$99	113 4.5%	23 5.3%	21 5.2%	32 8.2%	29 7.7%	218 5.3%
\$100,000+	121 4.8%	17 3.9%	26 6.5%	45 11.6%	15 4.0%	224 5.4%
not provided	730 29.0%	117 27.1%	131 32.5%	120 30.8%	90 23.9%	1188 28.9%

Table 5-17

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY COUNTY FOR THE ON SITE SURVEY OF TRADITIONALLY UNDERSERVED POPULATIONS ONLY**

N=320 Households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>VEHICLES</u>						
0	60 32.4%	25 28.4%	0 0.0%	10 45.5%	3 23.1%	98 30.6%
1	85 45.9%	37 42.0%	7 58.3%	7 31.8%	6 46.2%	142 44.4%
2	26 14.1%	19 21.6%	4 33.3%	3 13.6%	4 30.8%	56 17.5%
3+	14 7.6%	7 8.0%	1 8.3%	2 9.1%	0 0.0%	24 7.5%

Table 5-18

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY COUNTY FOR THE ON SITE SURVEY OF TRADITIONALLY UNDERSERVED POPULATIONS ONLY**

N=320 Households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>PERSONS</u>						
1	64 34.6%	41 46.6%	2 16.7%	13 59.1%	10 76.9%	130 40.6%
2	52 28.1%	22 25.0%	4 33.3%	7 31.8%	2 15.4%	87 27.2%
3	25 13.5%	16 18.2%	4 33.3%	1 4.5%	0 0.0%	46 14.4%
4	16 8.6%	6 6.8%	2 16.7%	0 0.0%	1 7.7%	25 7.8%
5+	28 15.1%	3 3.4%	0 0.0%	1 4.5%	0 0.0%	32 10.0%

Table 5-19

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY COUNTY FOR THE ON SITE SURVEY OF TRADITIONALLY UNDERSERVED POPULATIONS ONLY**

N=320 Households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>HOME</u>						
SINGLE-FAMILY	98 53.0%	43 48.9%	5 41.7%	19 86.4%	8 61.5%	173 54.1%
MULTI-FAMILY	87 47.0%	43 48.9%	7 58.3%	3 13.6%	5 38.5%	145 45.3%
NO HOME	0 0.0%	2 2.3%	0 0.0%	0 0.0%	0 0.0%	2 0.6%

Table 5-20

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY COUNTY FOR THE ON SITE SURVEY OF TRADITIONALLY UNDERSERVED POPULATIONS ONLY**

N=320 Households	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>INCOME</u>						
under \$20,000	85 45.9%	63 71.6%	5 41.7%	15 68.2%	8 61.5%	176 55.0%
\$20 to \$39	53 28.6%	16 18.2%	6 50.0%	4 18.2%	2 15.4%	81 25.3%
\$40 to \$59	12 6.5%	4 4.5%	0 0.0%	1 4.5%	0 0.0%	17 5.3%
\$60 to \$79	12 6.5%	3 3.4%	1 8.3%	0 0.0%	0 0.0%	16 5.0%
\$80 to \$99	2 1.1%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2 0.6%
\$100,000+	3 1.6%	1 1.1%	0 0.0%	0 0.0%	0 0.0%	4 1.3%
not provided	18 9.7%	1 1.1%	0 0.0%	2 9.1%	3 23.1%	24 7.5%

Table 5-21

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY  
CCD IN JEFFERSON COUNTY FOR RANDOMLY SELECTED HOUSEHOLDS ONLY**

N=2514 Households	Geography								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOUTH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>VEHICLES</u>									
0	39	89	38	31	23	22	7	7	256
	16.1%	42.2%	8.7%	10.6%	5.8%	6.1%	2.4%	2.4%	10.2%
1	78	68	160	114	113	116	73	63	785
	32.2%	32.2%	36.7%	39.0%	28.6%	32.3%	25.4%	21.6%	31.2%
2	82	31	172	105	178	145	148	157	1018
	33.9%	14.7%	39.4%	36.0%	45.1%	40.4%	51.6%	53.8%	40.5%
3+	43	23	66	42	81	76	59	65	455
	17.8%	10.9%	15.1%	14.4%	20.5%	21.2%	20.6%	22.3%	18.1%



Table 5-22

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY  
CCD IN JEFFERSON COUNTY FOR RANDOMLY SELECTED HOUSEHOLDS ONLY**

N=2514 Households	Geography								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOUTH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
	<u>PERSONS</u>								
1	65	125	164	82	99	100	61	58	754
	26.9%	59.2%	37.6%	28.1%	25.1%	27.9%	21.3%	19.9%	30.0%
2	83	49	163	119	155	130	131	128	958
	34.3%	23.2%	37.4%	40.8%	39.2%	36.2%	45.6%	43.8%	38.1%
3	47	17	56	53	59	64	43	45	384
	19.4%	8.1%	12.8%	18.2%	14.9%	17.8%	15.0%	15.4%	15.3%
4	32	14	36	16	55	42	36	40	271
	13.2%	6.6%	8.3%	5.5%	13.9%	11.7%	12.5%	13.7%	10.8%
5+	15	6	17	22	27	23	16	21	147
	6.2%	2.8%	3.9%	7.5%	6.8%	6.4%	5.6%	7.2%	5.8%

Table 5-23

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY  
CCD IN JEFFERSON COUNTY FOR RANDOMLY SELECTED HOUSEHOLDS ONLY**

N=2514 Households	Geography								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOUTH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>HOME</u>									
SINGLE- FAMILY	202	66	304	219	347	285	250	239	1912
	83.5%	31.3%	69.7%	75.0%	87.8%	79.4%	87.1%	81.8%	76.1%
MULTI- FAMILY	40	145	132	73	48	74	37	53	602
	16.5%	68.7%	30.3%	25.0%	12.2%	20.6%	12.9%	18.2%	23.9%
NO HOME	0	0	0	0	0	0	0	0	0
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Table 5-24

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY  
CCD IN JEFFERSON COUNTY FOR RANDOMLY SELECTED HOUSEHOLDS ONLY**

N=2514 Households	Geography								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOUTH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>INCOME</u>									
Under \$20,000	59	72	55	51	62	50	23	18	390
	24.4%	34.1%	12.6%	17.5%	15.7%	13.9%	8.0%	6.2%	15.5%
\$20 to \$39	54	30	92	85	104	89	46	36	536
	22.3%	14.2%	21.1%	29.1%	26.3%	24.8%	16.0%	12.3%	21.3%
\$40 to \$59	33	23	64	40	71	69	58	30	388
	13.6%	10.9%	14.7%	13.7%	18.0%	19.2%	20.2%	10.3%	15.4%
\$60 to \$79	22	9	40	28	31	34	42	30	236
	9.1%	4.3%	9.2%	9.6%	7.8%	9.5%	14.6%	10.3%	9.4%
\$80 to \$99	6	3	24	10	15	15	20	20	113
	2.5%	1.4%	5.5%	3.4%	3.8%	4.2%	7.0%	6.8%	4.5%
\$100,000+	3	4	22	3	7	8	20	54	121
	1.2%	1.9%	5.0%	1.0%	1.8%	2.2%	7.0%	18.5%	4.8%
Not provided	65	70	139	75	105	94	78	104	730
	26.9%	33.2%	31.9%	25.7%	26.6%	26.2%	27.2%	35.6%	29.0%

Table 5-25

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY  
CCD IN JEFFERSON COUNTY FOR THE ON SITE SURVEY OF TRADITIONALLY  
UNDERSERVED POPULATIONS ONLY**

N=185 Households	Geography								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOUTH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>VEHICLES</u>									
0	28	21	1	6	2	1	1	0	60
	49.1%	50.0%	11.1%	18.8%	8.7%	10.0%	20.0%	0.0%	32.4%
1	19	18	4	17	12	9	1	5	85
	33.3%	42.9%	44.4%	53.1%	52.2%	90.0%	20.0%	71.4%	45.9%
2	5	2	3	7	5	0	2	2	26
	8.8%	4.8%	33.3%	21.9%	21.7%	0.0%	40.0%	28.6%	14.1%
3+	5	1	1	2	4	0	1	0	14
	8.8%	2.4%	11.1%	6.3%	17.4%	0.0%	20.0%	0.0%	7.6%

Table 5-26

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY  
CCD IN JEFFERSON COUNTY FOR THE ON SITE SURVEY OF TRADITIONALLY  
UNDERSERVED POPULATIONS ONLY**

N=185 Households	Geography								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOUTH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>PERSONS</u>									
1	10 17.5%	28 66.7%	4 44.4%	8 25.0%	5 21.7%	4 40.0%	1 20.0%	4 57.1%	64 34.6%
2	19 33.3%	6 14.3%	5 55.6%	9 28.1%	6 26.1%	3 30.0%	2 40.0%	2 28.6%	52 28.1%
3	8 14.0%	7 16.7%	0 0.0%	5 15.6%	5 21.7%	0 0.0%	0 0.0%	0 0.0%	25 13.5%
4	7 12.3%	1 2.4%	0 0.0%	4 12.5%	1 4.3%	2 20.0%	0 0.0%	1 14.3%	16 8.6%
5+	13 22.8%	0 0.0%	0 0.0%	6 18.8%	6 26.1%	1 10.0%	2 40.0%	0 0.0%	28 15.1%

Table 5-27

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY  
CCD IN JEFFERSON COUNTY FOR THE ON SITE SURVEY OF TRADITIONALLY  
UNDERSERVED POPULATIONS ONLY**

N=185 Households	Geography								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOUTH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>HOME</u>									
SINGLE- FAMILY	44 77.2%	9 21.4%	2 22.2%	18 56.3%	11 47.8%	6 60.0%	3 60.0%	5 71.4%	98 53.0%
MULTI- FAMILY	13 22.8%	33 78.6%	7 77.8%	14 43.8%	12 52.2%	4 40.0%	2 40.0%	2 28.6%	87 47.0%
NO HOME	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%

Table 5-28

**DEMOGRAPHIC CHARACTERISTICS OF PARTICIPATING HOUSEHOLDS BY  
CCD IN JEFFERSON COUNTY FOR THE ON SITE SURVEY OF TRADITIONALLY  
UNDERSERVED POPULATIONS ONLY**

N=185 Households	Geography								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOUTH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>INCOME</u>									
under \$20,000	22	32	2	14	10	4	1	0	85
	38.6%	76.2%	22.2%	43.8%	43.5%	40.0%	20.0%	0.0%	45.9%
\$20 to \$39	20	6	4	9	5	4	2	3	53
	35.1%	14.3%	44.4%	28.1%	21.7%	40.0%	40.0%	42.9%	28.6%
\$40 to \$59	5	0	0	2	3	1	0	1	12
	8.8%	0.0%	0.0%	6.3%	13.0%	10.0%	0.0%	14.3%	6.5%
\$60 to \$79	3	0	2	2	0	1	1	3	12
	5.3%	0.0%	22.2%	6.3%	0.0%	10.0%	20.0%	42.9%	6.5%
\$80 to \$99	0	1	0	0	1	0	0	0	2
	0.0%	2.4%	0.0%	0.0%	4.3%	0.0%	0.0%	0.0%	1.1%
\$100,000+	0	0	1	0	1	0	1	0	3
	0.0%	0.0%	11.1%	0.0%	4.3%	0.0%	20.0%	0.0%	1.6%
not provided	7	3	0	5	3	0	0	0	18
	12.3%	7.1%	0.0%	15.6%	13.0%	0.0%	0.0%	0.0%	9.7%





Chapter Six

*Analysis of Trip*

*Purpose*



## **Overview**

This chapter contains an analysis of the trip purpose data that was gathered from the household travel survey. The trip purpose data in this report only reflects the travel of residents of Bullitt, Jefferson, and Oldham counties in Kentucky and Floyd and Clark counties in Indiana. Trips in the region generated by persons who live outside the five-county area are not reflected in this analysis.

The types of information that are provided in this chapter include the following:

- Information regarding the way trip purposes are defined (HBW, HBO, NHB).
- Information about persons who did not travel on their travel day (Figures 6-1 through 6-3 and Tables 6-1 and 6-2).
- Information about trips that began or ended outside the 5-county study area (Figures 6-4 through 6-6).
- Trip purpose distributions for all households (Figures 6-7 and 6-8 and Tables 6-3 and 6-4).
- Trip purpose distributions for single-family households (Figures 6-9 and 6-10 and Tables 6-5 and 6-6).
- Trip purpose distributions for multi-family households (Figures 6-11 and 6-12 and Tables 6-7 and 6-8).
- Trip purpose distributions based on the number of household occupants and vehicles available (Tables 6-9 through 6-11).

**Defining Trip Purposes.** In order to better understand regional travel patterns, travel survey participants were asked to record the type of each place they visited on their travel day. This information was used to classify trips into one of three categories that are widely used for transportation modeling:

- **Home-based Work (HBW) Trips.** HBW trips are those that either begin at the home and end at work or begin at work and end at the home. An example of a HBW trip would be a trip from the home to the work place in the morning.
- **Home-based Other (HBO) Trips.** HBO trips are those that either begin or end at the home, but do not involve a stop at the work place. An example of a HBO trip would be a trip from the home to a grocery store in the afternoon.
- **Non-home-based (NHB) Trips.** NHB trips are those that do not involve a stop at the home. An example of a NHB trip would be a trip from a restaurant to a movie theater in the evening.

In addition to identifying the type of place visited, travel survey participants were asked to provide a qualitative description of the purpose of their trip. Although the qualitative description data was not used to generate the trip purpose distribution tables that are contained in this chapter, the descriptions may be used to better understand the social context in which trips are made. For example, if a retired person made a trip from home to a shopping center, the trip would have probably been classified as a home-based other (HBO) trip. The qualitative purpose information would allow a HBO trip for medical purposes (i.e., a trip to a dentist's office in a shopping center) to be distinguished from a HBO trip for shopping (i.e., a trip to a grocery store in a shopping center). Qualitative trip purpose information is provided in Appendix B.

**Persons Who Did Not Travel.** Almost one-fifth (19.5%) of the persons who participated in the travel survey did not go anywhere on their travel day. Of those who did not travel on their travel day; forty-six percent (46%) were 62 years of age or older, twenty-six percent (26%) did not have a driver's license, and seventy-seven percent (77%) were not employed outside the home. Oldham and Bullitt counties each had the lowest percentage of persons who did not travel on their travel day (15.7%). Jefferson County had the highest percentage of persons who did not travel on their travel day (21.3%). More than one-third (34.7%) of travel survey participants from Louisville Central did not make any trips on their travel day. Refer to Figures 6-1 through 6-3 and Tables 6-1 and 6-2 for details.

**Persons Who Traveled Outside the Five-County Area.** Only 1.3% of the trips taken by persons who were randomly selected to participate in the household travel survey began or ended outside the 5-county study area. Floyd and Oldham counties each had the highest percentage of trips that began or ended outside the five-county region (1.8%). Bullitt County had the lowest percentage of trips that began or ended outside the five-county region (0.9%). Only 0.6% of the trips taken by residents of Jefferson Central began or ended outside the five-county region. The percentage of trips by county and Jefferson CCD is provided in Figures 6-4 through 6-6.

**Trip Purpose Distributions.** The trip purpose distribution tables in this chapter show the percentage of all trips taken in each of three major trip purpose categories: HBW, HBO, and NHB. The percentages reflect trip purposes for residents of the five-county area who were randomly selected to participate in the survey. The trip purpose percentages exclude persons who did not travel on their travel day and trips that either began or ended outside the five-county study area. The types of trip purpose data provided in this chapter are briefly described below:

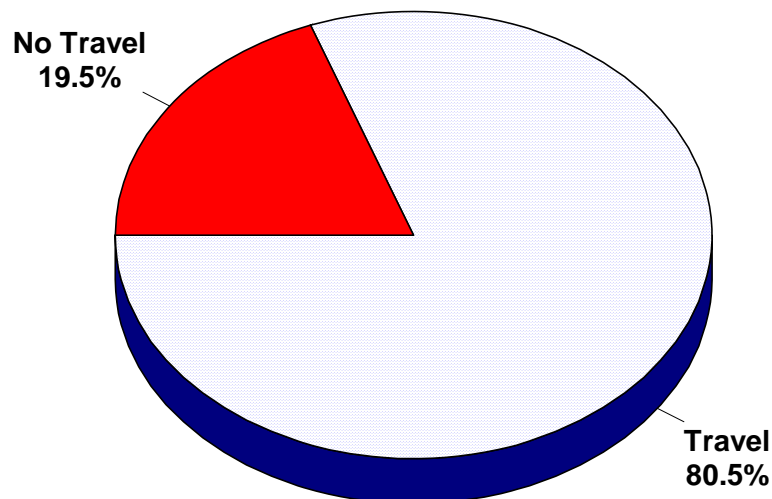
- **Trip Purpose Distributions for All Households.** Figures 6-7 and 6-8 show the percentage of HBW, HBO, and NHB trips for all households in the region, each of the five counties, and each of the eight CCDs in Jefferson County. The percentages shown in Tables 6-3 and 6-4 were used as the basis for deriving the household trip rates for All Households by trip purpose that are contained in Chapter 7 of this report.
- **Trip Purpose Distributions for Single-Family Households.** Figures 6-9 and 6-10 show the percentage of HBW, HBO, and NHB trips for single-family households in the region, each of the five counties, and each of the eight CCDs in Jefferson County. The percentages shown in Tables 6-5 and 6-6 were used as the basis for deriving the household trip rates for single-family households by trip purpose that are contained in Chapter 7 of this report.

- **Trip Purpose Distributions for Multi-Family Households.** Figures 6-11 and 6-12 show the percentage of HBW, HBO, and NHB trips for multi-family households in the region, each of the five counties, and each of the eight CCDs in Jefferson County. The percentages shown in Tables 6-5 and 6-6 were used as the basis for deriving the household trip rates for multi-family households by trip purpose that are contained in Chapter 7 of this report.
- **Trip Purpose Distributions by Household Size and Vehicle Availability.** Tables 6-9 through 6-11 show the percentage of HBW, HBO, and NHB trips based on the number of household occupants and vehicles available. Data is provided for all households, single-family households only, and multi-family households only in the five-county region. These percentages were used as the basis for deriving the household trip rates for the entire region by trip purpose that are contained in Chapter 7 of this report. The 95% confidence interval is provided in Tables 6-9 through 6-11 to show the precision of the trip purpose distributions given the sample size for each category of household size and vehicle availability.

Figure 6-1

### Percentage of Persons Who Did Not Travel on Their Travel Day

By Percentage of All Travel Survey Participants in the Randomly  
Selected Sample of Households (N=9264 persons)

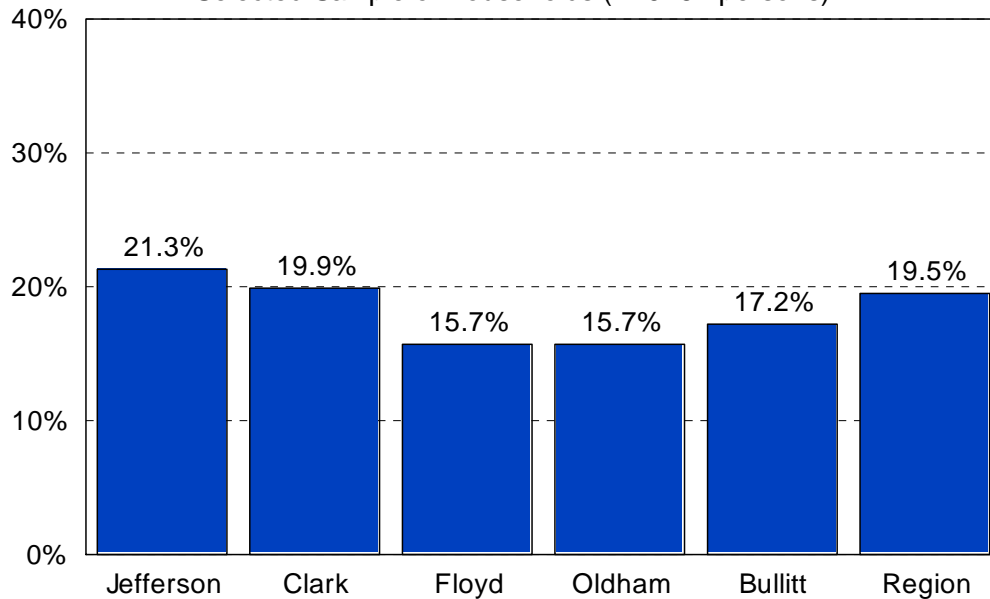


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 6-2

### Percentage of Persons Who Did Not Travel on Their Travel Day by County

By Percentage of All Travel Survey Participants in the Randomly Selected Sample of Households (N=9264 persons)

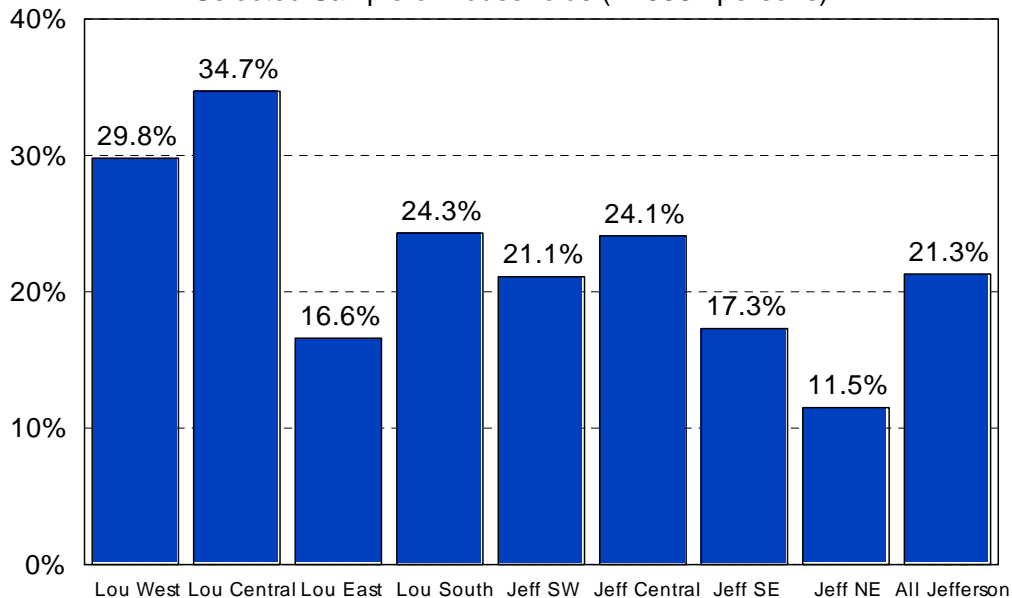


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 6-3

### Percentage of Persons Who Did Not Travel on Their Travel Day by Jefferson CCD

By Percentage of All Travel Survey Participants in the Randomly Selected Sample of Households (N=5362 persons)

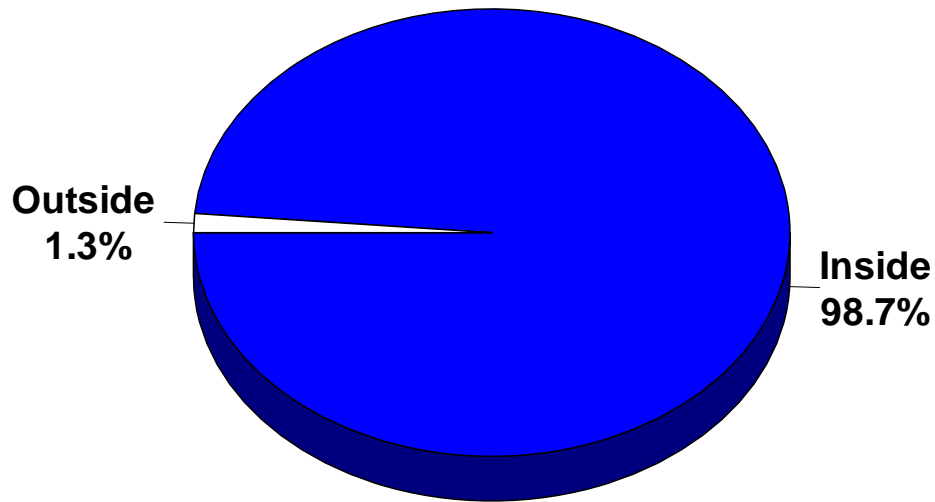


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 6-4

### **Percentage of All Trips That Were Outside the 5-County Study Area**

By Percentage of Trips Taken By Persons in the Randomly  
Selected Sample of Households (N=29069 Trips)

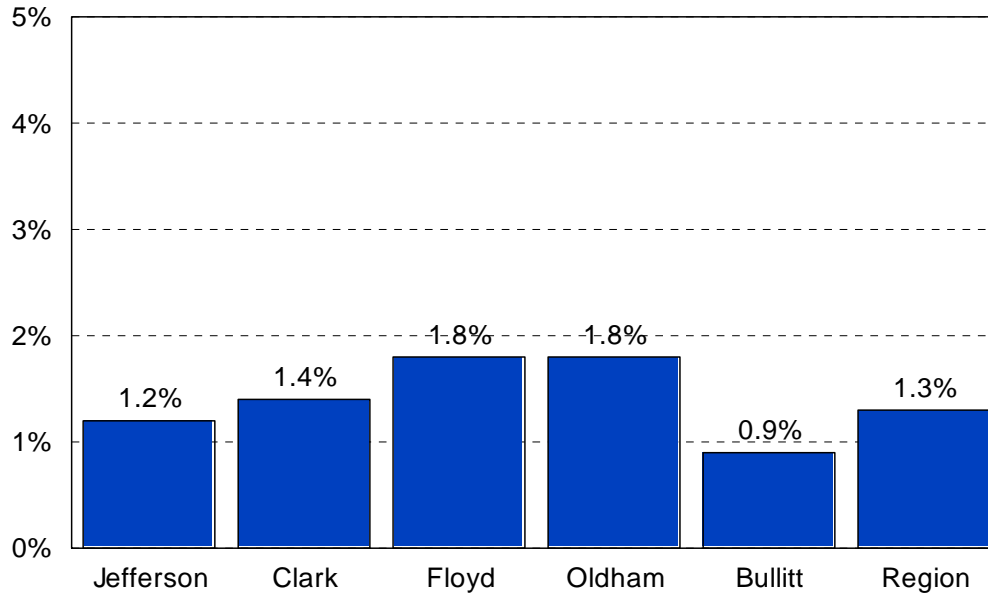


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 6-5

### Percentage of All Trips That Were Outside the 5-County Study Area by County

By Percentage of Trips Taken By Persons in the Randomly Selected Sample of Households (N=29069 Trips)

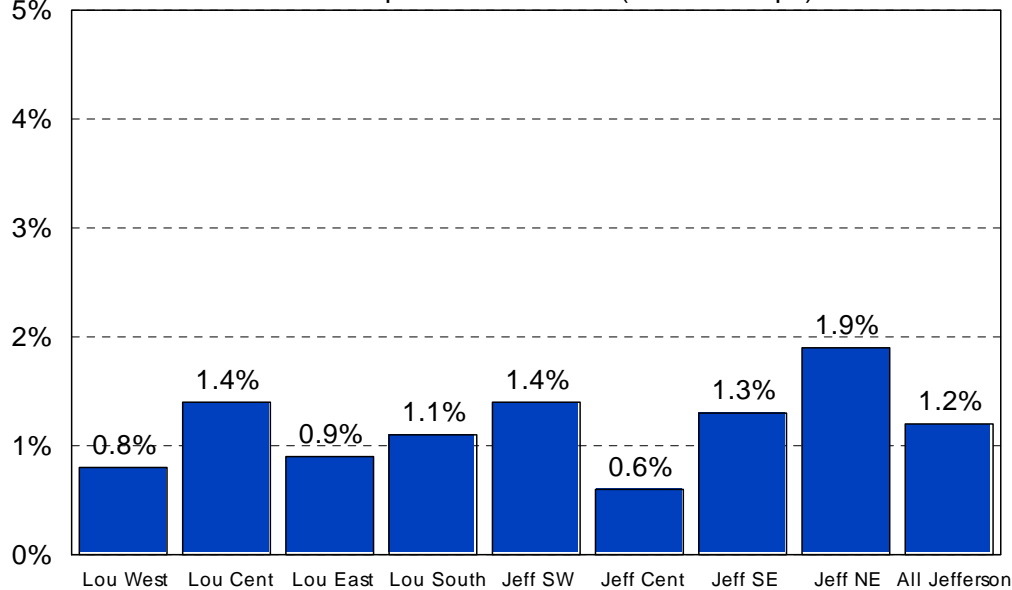


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 6-6

### Percentage of All Trips That Were Outside the 5-County Study Area by Jefferson CCD

By Percentage of Trips Taken By Persons in the Randomly Selected Sample of Households (N=16810 trips)



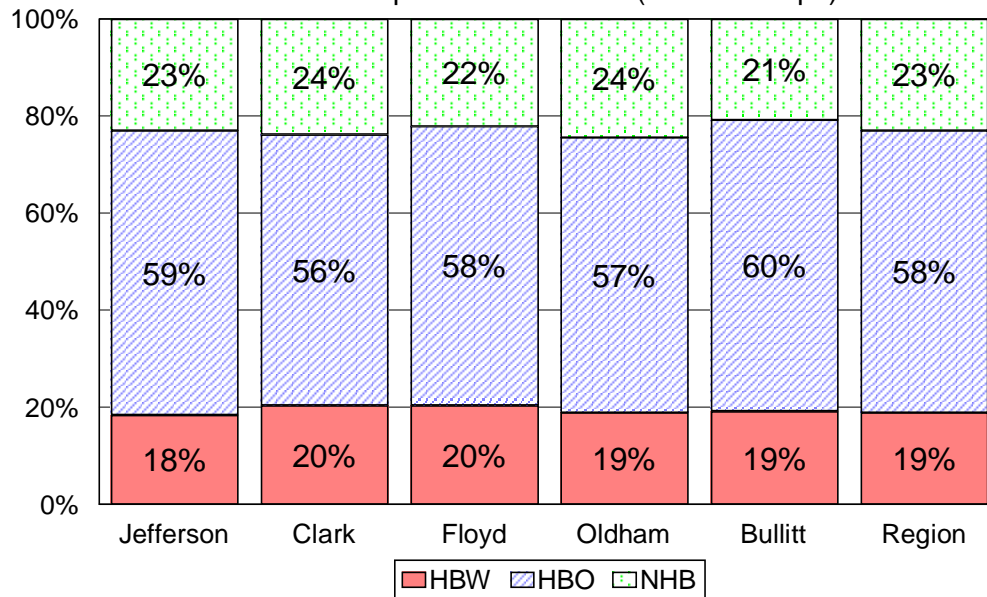
Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)



Figure 6-7

### Trip Purpose Distribution for All Households By County

By Percentage of Trips Taken By Persons in the Randomly  
Selected Sample of Households (N=29069 trips)

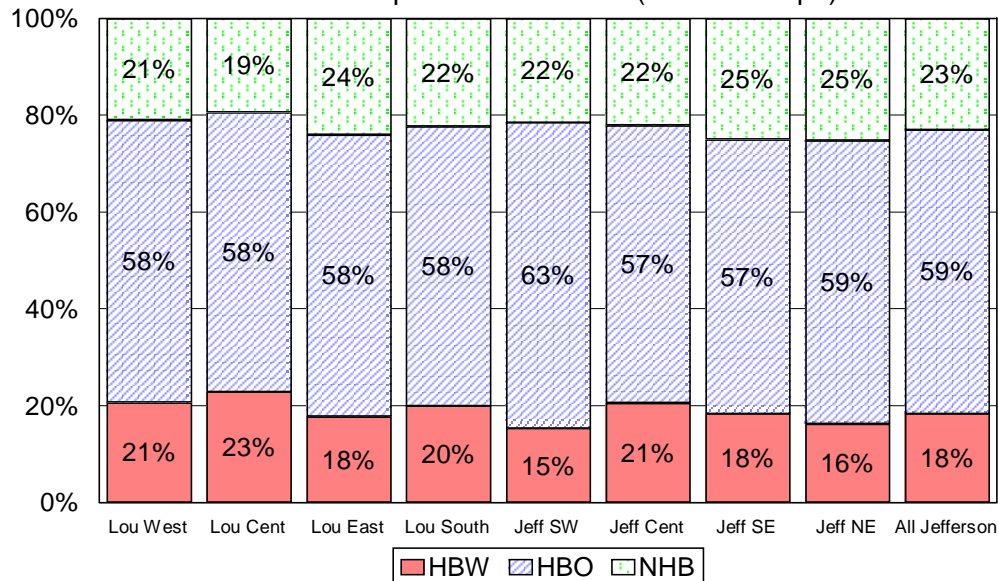


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 6-8

### Trip Purpose Distribution for All Households By Jefferson CCD

By Percentage of Trips Taken By Persons in the Randomly  
Selected Sample of Households (N=16810 trips)

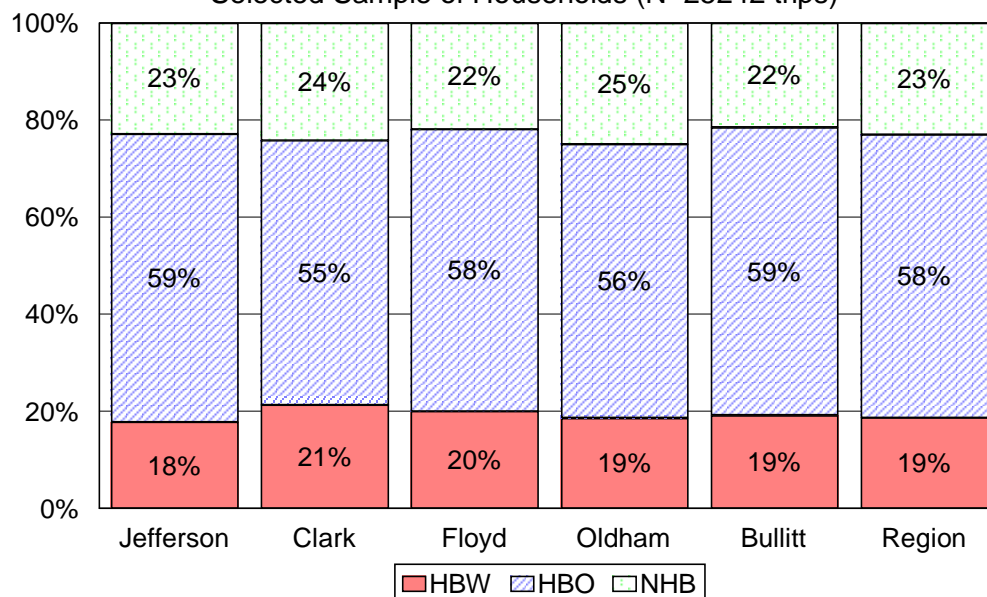


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 6-9

### Trip Purpose Distribution for Single Family Households By County

By Percentage of Trips Taken By Persons in the Randomly  
Selected Sample of Households (N=25242 trips)

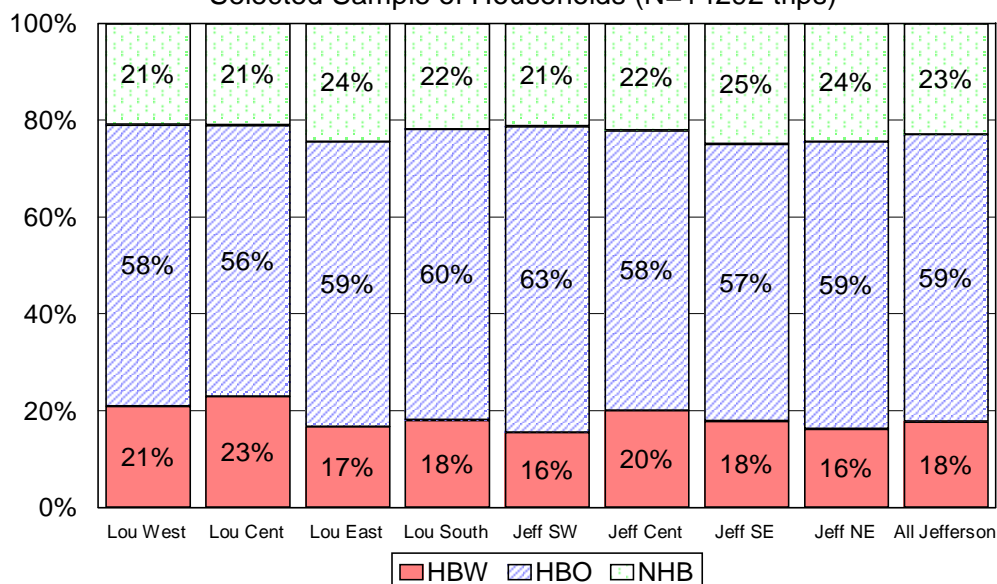


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 6-10

### Trip Purpose Distribution for Single Family Households By Jefferson CCD

By Percentage of Trips Taken By Persons in the Randomly  
Selected Sample of Households (N=14292 trips)

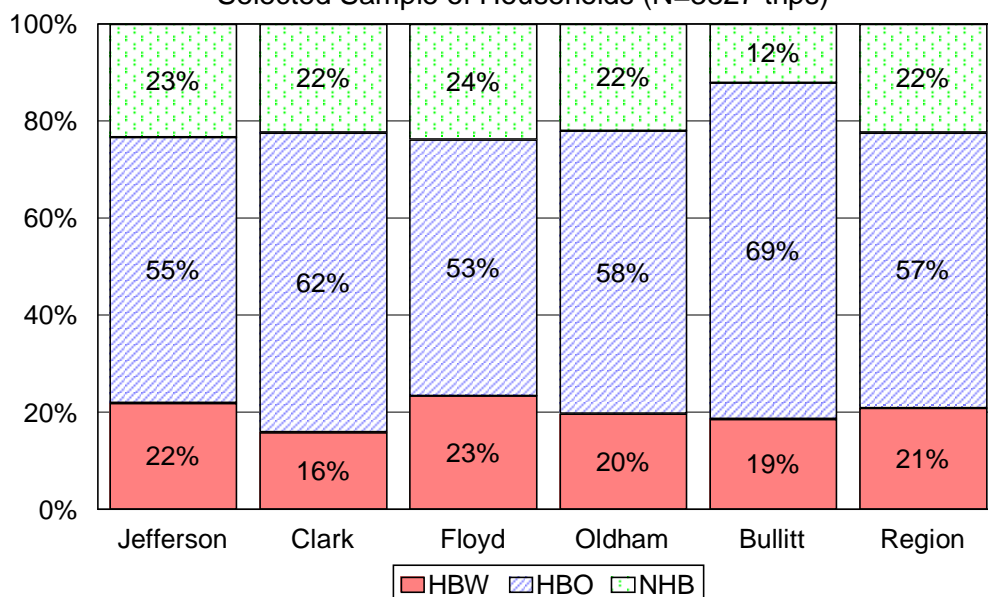


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 6-11

### Trip Purpose Distribution for Multi Family Households By County

By Percentage of Trips Taken By Persons in the Randomly  
Selected Sample of Households (N=3827 trips)

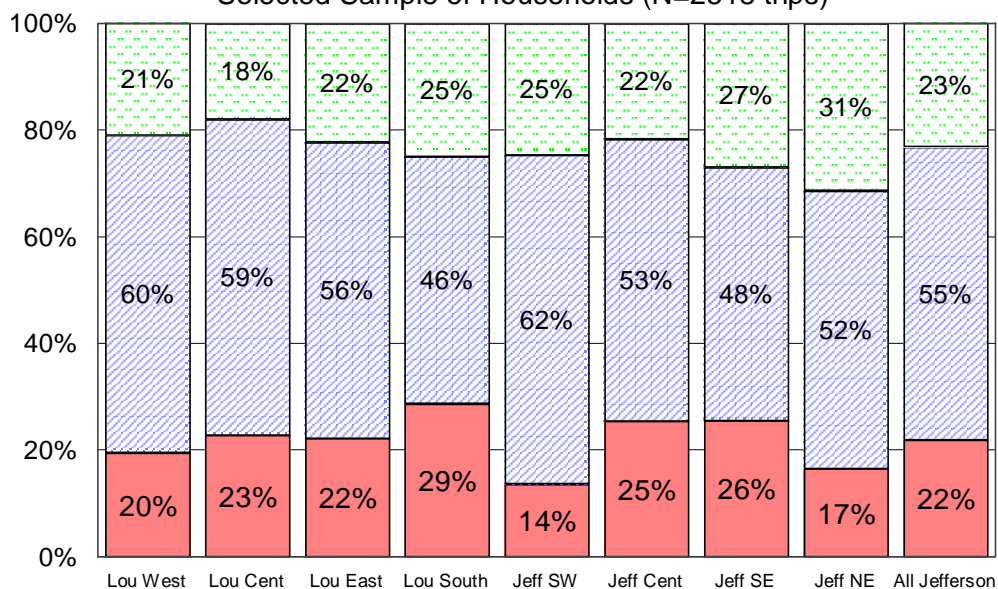


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 6-12

### Trip Purpose Distribution for Multi Family Households By Jefferson CCD

By Percentage of Trips Taken By Persons in the Randomly  
Selected Sample of Households (N=2518 trips)



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Table 6-1

**Percentage of Persons Who DID NOT TRAVEL by COUNTY**

N=9264 Persons	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
Did Not Travel	1142 21.3%	200 19.9%	149 15.7%	158 15.7%	162 17.2%	1811 19.5%
Traveled	4220 78.7%	805 80.1%	800 84.3%	848 84.3%	780 82.8%	7453 80.5%

Table 6-2

**Percentage of Persons Who DID NOT TRAVEL by JEFFERSON COUNTY CCD**

N=5362 Persons	geography residence								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
Did Not Travel	162 29.8%	119 34.7%	140 16.6%	152 24.3%	188 21.1%	193 24.1%	111 17.3%	77 11.5%	1142 21.3%
Traveled	382 70.2%	224 65.3%	703 83.4%	474 75.7%	704 78.9%	608 75.9%	532 82.7%	593 88.5%	4220 78.7%

Table 6-3

**Trip Purpose Distribution BY COUNTY For ALL HOUSEHOLDS**

N=29069 Trips	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>trip purpose (collapsed)</u>						
Home-based work	2850 18.4%	591 20.3%	567 20.4%	570 18.9%	520 19.2%	5098 18.9%
Home-based other	9078 58.6%	1622 55.8%	1598 57.5%	1711 56.7%	1629 60.0%	15638 58.1%
non-home-based	3557 23.0%	693 23.8%	616 22.2%	738 24.4%	565 20.8%	6169 22.9%

Missing cases = 2164 (persons who did not travel and trips outside region)

Table 6-4

**Trip Purpose Distribution BY JEFFERSON COUNTY CCD For ALL HOUSEHOLDS**

N=16810 Trips	geography residence								Total
	LOU								
	LOU WEST	LOU CENT	LOU EAST	SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>trip purpose (collapsed)</u>									
Home-based work	273 22.9%	166 17.8%	496 17.8%	342 20.0%	385 15.4%	458 20.6%	366 18.4%	364 16.3%	2850 18.4%
Home-based other	768 58.3%	418 57.7%	1622 58.2%	989 57.7%	1580 63.1%	1272 57.3%	1126 56.6%	1303 58.5%	9078 58.6%
Non-home-based	276 21.0%	141 19.4%	669 24.0%	383 22.3%	539 21.5%	491 22.1%	498 25.0%	560 25.1%	3557 23.0%

Missing cases = 1325 (persons who did not travel and trips outside region)

Table 6-5

**Trip Purpose Distribution BY COUNTY for SINGLE-FAMILY HOUSEHOLDS ONLY**

N=25242 Trips	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>trip purpose (collapsed)</u>						
Home-based work	2365 17.8%	510 21.3%	486 20.0%	545 18.8%	483 19.2%	4389 18.7%
Home-based other	7861 59.3%	1307 54.5%	1416 58.1%	1637 56.6%	1491 59.3%	13712 58.3%
Non-home-based	3041 22.9%	579 24.2%	534 21.9%	710 24.6%	541 21.5%	5405 23.0%

Missing cases = 1736 (persons who did not travel and trips outside region)

Table 6-6

**Trip Purpose Distribution BY JEFFERSON COUNTY CCD for SINGLE-FAMILY HOUSEHOLDS ONLY**

N=14292	geography residence								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>trip purpose (collapsed)</u>									
Home-based work	236 20.9%	81 23.0%	377 16.8%	257 18.1%	352 15.6%	402 20.1%	335 17.9%	325 16.3%	2365 17.8%
Home-based other	655 58.1%	197 56.0%	1324 58.8%	852 60.1%	1430 63.2%	1155 57.8%	1068 57.2%	1180 59.3%	7861 59.3%
Non-home-based	236 20.9%	74 21.0%	549 24.4%	309 21.8%	479 21.2%	443 22.1%	465 24.9%	486 24.4%	3041 22.9%

Missing cases = 1025 (persons who did not travel and trips outside region)

Table 6-7

**Trip Purpose Distribution BY COUNTY for MULTI-FAMILY HOUSEHOLDS ONLY**

N=3827 Trips	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>trip purpose (collapsed)</u>						
Home-based work	485 21.9%	81 15.9%	81 23.5%	25 19.7%	37 18.6%	709 20.9%
Home-based other	1217 54.9%	315 61.8%	182 52.8%	74 58.3%	138 69.3%	1926 56.7%
Non-home-based	516 23.3%	114 22.4%	82 23.8%	28 22.0%	24 12.1%	764 22.5%

Missing cases = 428 (persons who did not travel and trips outside region)

Table 6-8

**Trip Purpose Distribution BY JEFFERSON COUNTY CCD for MULTI-FAMILY HOUSEHOLDS ONLY**

N=2518 Trips	geography residence								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>trip purpose (collapsed)</u>									
Home-based work	37 19.5%	85 22.8%	119 22.2%	85 28.7%	33 13.6%	56 25.3%	31 25.4%	39 16.5%	485 21.9%
Home-based other	113 59.5%	221 59.2%	298 55.5%	137 46.3%	150 61.7%	117 52.9%	58 47.5%	123 52.1%	1217 54.9%
Non-home-based	40 21.1%	67 18.0%	120 22.3%	74 25.0%	60 24.7%	48 21.7%	33 27.0%	74 31.4%	516 23.3%

Missing cases = 300 (persons who did not travel and trips outside region)

Table 6-9

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR ALL HOUSEHOLDS (5-County Region)**

**(1 Person, 0 Vehicle)**

trip purpose (collapsed)	Number	Percent	95% CI
Home-based work	20	8.9 %	± 2.6 %
Home-based other	160	71.5 %	± 5.2 %
Non-home-based	44	19.6 %	± 3.5 %
Total Trips	224	100.0 %	

**(1 Person, 1 Vehicle)**

trip purpose (collapsed)	Number	Percent	95% CI
Home-based work	343	18.2 %	± 1.6 %
Home-based other	1052	55.9 %	± 2.2 %
Non-home-based	487	25.9 %	± 1.9 %
Total Trips	1882	100.0 %	

**(1 Person, 2 Vehicle)**

trip purpose (collapsed)	Number	Percent	95% CI
Home-based work	63	16.6 %	± 3.7 %
Home-based other	240	63.2 %	± 4.9 %
Non-home-based	77	20.2 %	± 4.0 %
Total Trips	380	100.0 %	

**(1 Person, 3+ Vehicle)**

trip purpose (collapsed)	Number	Percent	95% CI
Home-based work	16	17.6 %	± 8.2 %
Home-based other	52	57.1 %	± 10.5 %
Non-home-based	23	25.3 %	± 9.1 %
Total Trips	91	100.0 %	



Table 6-9 (continued)

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR ALL HOUSEHOLDS (5-County Region)**

**(2 Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	15	12.9 %	± 5.5 %
Home-based other	77	66.4 %	± 8.4 %
<u>Non-home-based</u>	24	20.7 %	± 6.5 %
Total Trips	116	100.0 %	

**(2 Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	214	14.7 %	± 1.6 %
Home-based other	924	63.7 %	± 2.4 %
<u>Non-home-based</u>	314	21.6 %	± 1.9 %
Total Trips	1452	100.0 %	

**(2 Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	1154	21.4 %	± 1.0 %
Home-based other	2871	53.2 %	± 1.3 %
<u>Non-home-based</u>	1371	25.4 %	± 1.1 %
Total Trips	5396	100.0 %	

**(2 Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	454	25.7 %	± 1.9 %
Home-based other	843	47.8 %	± 2.2 %
<u>Non-home-based</u>	467	26.5 %	± 1.9 %
Total Trips	1764	100.0 %	

Table 6-9 (continued)

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR ALL HOUSEHOLDS (5-County Region)**

**(3 Person, 0 Vehicle)**

trip purpose (collapsed)	Number	Percent	95% CI
Home-based work	14	26.4 %	± 10.3 %
Home-based other	38	71.7 %	± 12.4 %
Non-home-based	1	1.9 %	NA
Total Trips	53	100.0 %	

**(3 Person, 1 Vehicle)**

trip purpose (collapsed)	Number	Percent	95% CI
Home-based work	101	17.5 %	± 2.8 %
Home-based other	351	60.6 %	± 3.9 %
Non-home-based	127	21.9 %	± 3.1 %
Total Trips	579	100.0 %	

**(3 Person, 2 Vehicle)**

trip purpose (collapsed)	Number	Percent	95% CI
Home-based work	462	21.2 %	± 1.6 %
Home-based other	1256	57.7 %	± 2.0 %
Non-home-based	460	21.1 %	± 1.6 %
Total Trips	2178	100.0 %	

**(3 Person, 3+ Vehicle)**

trip purpose (collapsed)	Number	Percent	95% CI
Home-based work	664	28.2 %	± 1.7 %
Home-based other	1172	49.9 %	± 2.0 %
Non-home-based	515	21.9 %	± 1.6 %
Total Trips	2351	100.0 %	

Table 6-9 (continued)

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR ALL HOUSEHOLDS (5-County Region)**

**(4 Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	8	10.4 %	± 8.0 %
Home-based other	58	75.3 %	± 10.8 %
<u>Non-home-based</u>	<u>11</u>	<u>14.3 %</u>	<u>± 8.7 %</u>
Total Trips	77	100.0 %	

**(4 Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	50	12.7 %	± 3.3 %
Home-based other	253	64.2 %	± 4.8 %
<u>Non-home-based</u>	<u>91</u>	<u>23.1 %</u>	<u>± 4.2 %</u>
Total Trips	394	100.0 %	

**(4 Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	433	13.7 %	± 1.2 %
Home-based other	1999	63.1 %	± 1.7 %
<u>Non-home-based</u>	<u>736</u>	<u>23.2 %</u>	<u>± 1.4 %</u>
Total Trips	3168	100.0 %	

**(4 Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	489	18.4 %	± 1.4 %
Home-based other	1600	59.9 %	± 1.9 %
<u>Non-home-based</u>	<u>580</u>	<u>21.7 %</u>	<u>± 1.5 %</u>
Total Trips	2669	100.0 %	

Table 6-9 (continued)

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR ALL HOUSEHOLDS (5-County Region)**

**(5+ Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	8	22.9 %	± 17.2 %
Home-based other	24	68.5 %	± 17.7 %
<u>Non-home-based</u>	3	8.6 %	± 20.4 %
Total Trips	35	100.0 %	

**(5+ Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	56	15.4 %	± 3.8 %
Home-based other	219	60.3 %	± 5.1 %
<u>Non-home-based</u>	88	24.3 %	± 4.5 %
Total Trips	363	100.0 %	

**(5+ Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	207	11.7 %	± 1.5 %
Home-based other	1217	68.7 %	± 2.2 %
<u>Non-home-based</u>	347	19.6 %	± 1.8 %
Total Trips	1771	100.0 %	

**(5+ Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	327	16.7 %	± 1.6 %
Home-based other	1232	62.8 %	± 2.1 %
<u>Non-home-based</u>	403	20.5 %	± 1.7 %
Total Trips	1962	100.0 %	

Table 6-10

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR  
SINGLE-FAMILY ONLY (5-County Region)**

**(1 Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	6	8.5 %	± 5.3 %
Home-based other	51	71.8 %	± 9.2 %
Non-home-based	14	19.7 %	± 6.5 %
Total Trips	71	100.0 %	

**(1 Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	195	16.8 %	± 2.1 %
Home-based other	670	57.7 %	± 2.8 %
Non-home-based	296	25.5 %	± 2.4 %
Total Trips	1161	100.0 %	

**(1 Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	48	15.1 %	± 3.9 %
Home-based other	201	63.4 %	± 5.4 %
Non-home-based	68	21.5 %	± 4.4 %
Total Trips	317	100.0 %	

**(1 Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	14	23.3 %	± 11.3 %
Home-based other	31	51.7 %	± 13.0 %
Non-home-based	15	25.0 %	± 11.5 %
Total Trips	60	100.0 %	

Table 6-10 (continued)

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR  
SINGLE-FAMILY ONLY (5-County Region)****(2 Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	5	20.8 %	± 13.4 %
Home-based other	14	58.4 %	± 15.4 %
<u>Non-home-based</u>	5	20.8 %	± 13.4 %
Total Trips	24	100.0 %	

**(2 Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	151	13.5 %	± 1.8 %
Home-based other	724	64.6 %	± 2.8 %
<u>Non-home-based</u>	246	21.9 %	± 2.2 %
Total Trips	1121	100.0 %	

**(2 Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	996	20.5 %	± 1.1 %
Home-based other	2612	53.8 %	± 1.4 %
<u>Non-home-based</u>	1251	25.7 %	± 1.2 %
Total Trips	4859	100.0 %	

**(2 Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	415	25.3 %	± 2.0 %
Home-based other	786	47.8 %	± 2.3 %
<u>Non-home-based</u>	441	26.9 %	± 2.0 %
Total Trips	1642	100.0 %	

Table 6-10 (continued)

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR  
SINGLE-FAMILY ONLY (5-County Region)**

**(3 Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	10	40.0 %	± 18.1 %
Home-based other	14	56.0 %	± 18.8 %
Non-home-based	1	4.0 %	NA
Total Trips	25	100.0 %	

**(3 Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	63	15.5 %	± 3.3 %
Home-based other	254	62.4 %	± 4.6 %
Non-home-based	90	22.1 %	± 3.7 %
Total Trips	407	100.0 %	

**(3 Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	418	22.0 %	± 1.8 %
Home-based other	1088	57.3 %	± 2.2 %
Non-home-based	393	20.7 %	± 1.8 %
Total Trips	1899	100.0 %	

**(3 Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	622	28.2 %	± 1.8 %
Home-based other	1106	50.0 %	± 2.0 %
Non-home-based	485	21.9 %	± 1.6 %
Total Trips	2213	100.0 %	

Table 6-10 (continued)

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR  
SINGLE-FAMILY ONLY (5-County Region)**

**(4 Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	6	10.5 %	± 10.5 %
Home-based other	40	70.2 %	± 13.2 %
Non-home-based	11	19.3 %	± 11.7 %
Total Trips	57	100.0 %	

**(4 Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	37	14.1 %	± 4.3 %
Home-based other	160	61.1 %	± 6.0 %
Non-home-based	65	24.8 %	± 5.3 %
Total Trips	262	100.0 %	

**(4 Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	398	13.3 %	± 1.2 %
Home-based other	1898	63.6 %	± 1.7 %
Non-home-based	690	23.1 %	± 1.5 %
Total Trips	2986	100.0 %	

**(4 Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	475	18.3 %	± 1.4 %
Home-based other	1554	60.0 %	± 1.9 %
Non-home-based	560	21.6 %	± 1.5 %
Total Trips	2589	100.0 %	



Table 6-10 (continued)

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR  
SINGLE-FAMILY ONLY (5-County Region)**

**(5+ Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	4	17.4 %	± 25.8 %
Home-based other	16	69.6 %	± 22.9 %
<u>Non-home-based</u>	3	13.0 %	± 30.5 %
Total Trips	23	100.0 %	

**(5+ Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	46	16.5 %	± 4.5 %
Home-based other	179	63.9 %	± 5.8 %
<u>Non-home-based</u>	55	19.6 %	± 4.8 %
Total Trips	280	100.0 %	

**(5+ Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	187	11.2 %	± 1.5 %
Home-based other	1146	68.9 %	± 2.3 %
<u>Non-home-based</u>	331	19.9 %	± 1.9 %
Total Trips	1664	100.0 %	

**(5+ Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	293	15.9 %	± 1.6 %
Home-based other	1168	63.3 %	± 2.2 %
<u>Non-home-based</u>	385	20.8 %	± 1.8 %
Total Trips	1846	100.0 %	

Table 6-11

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR  
MULTI-FAMILY ONLY (5-County Region)**

**(1 Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	14	9.2 %	± 3.3 %
Home-based other	109	71.2 %	± 6.4 %
<u>Non-home-based</u>	<u>30</u>	<u>19.6 %</u>	<u>± 4.4 %</u>
Total Trips	153	100.0 %	

**(1 Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	148	20.5 %	± 2.8 %
Home-based other	382	53.0 %	± 3.6 %
<u>Non-home-based</u>	<u>191</u>	<u>26.5 %</u>	<u>± 3.1 %</u>
Total Trips	721	100.0 %	

**(1 Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	15	23.8 %	± 11.8 %
Home-based other	39	61.9 %	± 13.0 %
<u>Non-home-based</u>	<u>9</u>	<u>14.3 %</u>	<u>± 10.4 %</u>
Total Trips	63	100.0 %	

**(1 Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	2	6.5 %	NA
Home-based other	21	67.7 %	± 19.3 %
<u>Non-home-based</u>	<u>8</u>	<u>25.8 %</u>	<u>± 19.4 %</u>
Total Trips	31	100.0 %	

Table 6-11 (continued)

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR  
MULTI-FAMILY ONLY (5-County Region)**

**(2 Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	10	10.9 %	± 7.1 %
Home-based other	63	68.4 %	± 10.1 %
Non-home-based	19	20.7 %	± 8.5 %
Total Trips	92	100.0 %	

**(2 Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	63	19.1 %	± 3.8 %
Home-based other	200	60.4 %	± 5.1 %
Non-home-based	68	20.5 %	± 3.9 %
Total Trips	331	100.0 %	

**(2 Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	158	29.4 %	± 3.7 %
Home-based other	259	48.3 %	± 4.1 %
Non-home-based	120	22.3 %	± 3.4 %
Total Trips	537	100.0 %	

**(2 Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	39	32.0 %	± 8.2 %
Home-based other	57	46.7 %	± 8.8 %
Non-home-based	26	21.3 %	± 7.3 %
Total Trips	122	100.0 %	

Table 6-11 (continued)

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR  
MULTI-FAMILY ONLY (5-County Region)**

**(3 Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	4	14.3 %	± 16.9 %
Home-based other	24	85.7 %	± 17.6 %
Non-home-based	0	0.0 %	NA
Total Trips	28	100.0 %	

**(3 Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	38	22.1 %	± 6.0 %
Home-based other	97	56.4 %	± 7.3 %
Non-home-based	37	21.5 %	± 5.9 %
Total Trips	172	100.0 %	

**(3 Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	44	15.8 %	± 4.3 %
Home-based other	168	60.2 %	± 5.8 %
Non-home-based	67	24.0 %	± 4.9 %
Total Trips	279	100.0 %	

**(3 Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	42	30.4 %	± 8.1 %
Home-based other	66	47.8 %	± 8.7 %
Non-home-based	30	21.7 %	± 7.3 %
Total Trips	138	100.0 %	

Table 6-11 (continued)

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR  
MULTI-FAMILY ONLY (5-County Region)**

**(4 Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	2	10.0 %	NA
Home-based other	18	90.0 %	± 21.1 %
<u>Non-home-based</u>	<u>0</u>	<u>0.0 %</u>	<u>NA</u>
Total Trips	20	100.0 %	

**(4 Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	13	9.8 %	± 5.8 %
Home-based other	93	70.5 %	± 8.3 %
<u>Non-home-based</u>	<u>26</u>	<u>19.7 %</u>	<u>± 7.3 %</u>
Total Trips	132	100.0 %	

**(4 Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	35	19.2 %	± 5.7 %
Home-based other	101	55.5 %	± 7.3 %
<u>Non-home-based</u>	<u>46</u>	<u>25.3 %</u>	<u>± 6.2 %</u>
Total Trips	182	100.0 %	

**(4 Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	14	17.5 %	± 8.7 %
Home-based other	46	57.5 %	± 11.1 %
<u>Non-home-based</u>	<u>20</u>	<u>25.0 %</u>	<u>± 9.6 %</u>
Total Trips	80	100.0 %	

Table 6-11 (continued)

**TRIP PURPOSE BY HOUSEHOLD SIZE AND VEHICLE AVAILABILITY FOR  
MULTI-FAMILY ONLY (5-County Region)**

**(5+ Person, 0 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	4	33.3 %	± 46.3 %
Home-based other	8	66.7 %	± 37.1 %
<u>Non-home-based</u>	0	0.0 %	NA
Total Trips	12	100.0 %	

**(5+ Person, 1 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	10	12.0 %	± 8.3 %
Home-based other	40	48.2 %	± 11.4 %
<u>Non-home-based</u>	33	39.8 %	± 11.1 %
Total Trips	83	100.0 %	

**(5+ Person, 2 Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	20	18.7 %	± 8.3 %
Home-based other	71	66.3 %	± 9.6 %
<u>Non-home-based</u>	16	15.0 %	± 7.7 %
Total Trips	107	100.0 %	

**(5+ Person, 3+ Vehicle)**

<u>trip purpose (collapsed)</u>	<u>Number</u>	<u>Percent</u>	<u>95% CI</u>
Home-based work	34	29.3 %	± 8.8 %
Home-based other	64	55.2 %	± 9.5 %
<u>Non-home-based</u>	18	15.5 %	± 7.3 %
Total Trips	116	100.0 %	

## Chapter Seven

# *Analysis of Trip Rates*





## **Overview**

This chapter contains an analysis of household trip rates. Household trip generation rates are used to calibrate regional transportation demand models. For the purposes of this survey, a trip was defined as movement from one physical address to another with no intermediate stops. The household trip rates in this chapter represent the mean number of trips taken by all household occupants age 5 and older of all households in a category. The categories, or cells, are based on the number of occupants, number of vehicles available, type of structure, and/or location of the households.

The trip rates in this chapter only reflect travel for residents who live in Bullitt, Jefferson, and Oldham counties in Kentucky and Clark and Floyd counties in Indiana. Trips generated in the region by persons who are not residents of the five-county area are not reflected in the trip rates contained in this chapter.

**Household Trip Rate Tables.** The household trip generation rates in this report are presented in a format called a trip table which shows how the number of household trips varies based on the number of household occupants, the number of vehicles available, and the type of structure. There were six combinations of household size (1,2,3,4,5+ persons and the overall). There were five combinations for the number of vehicles available (0,1,2,3+ vehicles and the overall). There were three combinations of structure type (single-family, multi-family, and the overall). For transportation modeling purposes, structure type is generally treated in the same manner as vehicle availability and the number of household occupants. For purposes of presenting the data, however, three sets of trip tables were generated:

- trip rates for all households
- trip rates for single-family structures only
- trip rates for multi-family structures only.

Altogether, a total of 42 trip tables were prepared. Three tables were developed for each of the 14 levels of geography (1-region, 5-counties, 8-CCDs).

**Methodology.** The household trip rates in this chapter were calculated by dividing the total number of trips taken by all households in a category by the total number of households in that category. The mean number of trips per household was calculated for all household categories based on the number of vehicles, number of household occupants, and structure type. This produced 30 household trip generation rates for each of the 3 structure type combinations described above.

Since a total of 30 trip rates were generated per table, the number of observations in some cells was small, particularly for some combinations on the multi-family trip tables for sublevels of geography. In order to objectively assess the reliability of the trip rates, the standard error and 95% confidence interval have been provided for each rate.

In some cells, because the number of observations was small, the data from the survey of traditionally underserved populations was used to augment the trip data that were obtained from the random sample. This was done primarily for multi-family households with no vehicles for some sublevels of geography. All trip rates that include data from the survey of traditionally underserved populations are noted in the trip tables.

When there still were not enough observations to provide a statistically valid trip rate for a specific household category, the rate for the next higher level of geography was used. The rate for the five-county region was used if there were not enough observations in a particular county. The rate for Jefferson County was used when there were not enough observations in a particular CCD. When trip rates from the next higher level of geography were used, the trip rate of the same structure type was used, and the cell was shaded.

The trip rates provided in this chapter represent general estimates of travel. When the 2000 Census information becomes available, the estimates should be refined to better reflect the relative contribution of each household size, vehicle availability group, structure type, and geographic sublevel to travel in the region.

**Trip Rates By Trip Purpose for the Five-County Region.** The first three trip tables in this chapter (Tables 7-1 through 7-3) show the trip rates for each of the three major trip purposes that are described in Chapter 6 of this report (home-based work, home-based other, and non-home-based). The rates for each trip purpose were calculated by applying the trip purpose percentages from Chapter 6 (Tables 6-9 through 6-11) to the overall trip rate for each type of household. For example, the overall trip rate for 2-Person/2-Vehicle households among All Households in the five-county region was 5.84 trips per day (see Table 7-1). In order to determine the trip rate by trip purpose, the overall trip rates for each type of household were multiplied by the corresponding percentage of HBW, HBO, and NHB trips from Chapter 6 (see Tables 6-9 through 6-11). In this example, 21.4% of the trips taken by 2-Person/2-Vehicle households were HBW trips (see Table 6-9). In order to determine the trip rate for HBW trips for 2-Person/2-Vehicle Households, the overall trip rate for 2-Person/2-Vehicle Households of 5.84 was multiplied by the percentage of HBW trips for 2-Person/2-Vehicle Households of 21.4%. This resulted in 1.25 HBW trips per day for 2-Person/2-Vehicle households.

**Trip Rates By Trip Purpose for Counties and Jefferson CCDs.** Since the sample sizes for sublevels of geography were not large enough to generate statistically valid trip purpose percentages for all categories of households, the overall trip purpose percentages for each subregion were used. The rates for each trip purpose at the County and CCD level were calculated by applying the trip purpose percentages from Chapter 6 (see Tables 6-3 through 6-8) to the overall trip rates for each type of household. For example, the overall trip rate for 2-Person/2-Vehicle households among All Households in Bullitt County was 5.43 trips (see Table 7-4). In order to determine the trip rates by trip purpose, the percentage of HBW, HBO, and NHB trips from Chapter 6 (see Tables 6-3 through 6-8) were applied to the overall trip rates for each type of household. Since 19.2% of the trips in Bullitt County were for HBW trips, the overall trip rate of 5.43 was multiplied by 19.2%, which resulted in 1.04 HBW trips per day for 2-Person/2-Vehicle households in Bullitt County. The trip purpose percentages are shown in the upper right-hand corner of each trip table.

## Findings

**Mean Number of Trips Per Household by Geography.** The mean number of trips per day for all households in the five-county region was 6.61 trips per household. Oldham County had the highest number of trips per day (7.83 per household); Jefferson County had the fewest number of trips per day (6.19 per household). The average number of trips per day in Jefferson County ranged from a high of 7.66 trips per household in the Jefferson Northeast CCD to a low of 3.45 trips per day for households in the Louisville Central CCD. (see Figures 7-1 and 7-2).

**Impact of Housing Structure on Trip Generation Rates.** On average, households in single-family structures completed more trips per day than households living in multi-family units. The overall trip rates for single-family units were higher than the rates for multi-family units for all categories of vehicle availability and household size (see Figures 7-5 and 7-6). The mean number of trips per day for all single- and multi-family households in the five-county region is provided below.

- ***Single-Family Households:*** The mean number of trips per day for all single-family households in the five-county area was 7.21 trips per day.
- ***Multi-Family Households:*** The mean number of trips per day for all multi-family households in the five-county area was 4.18 trips per day.

**Mean Number of Trips Per Household by Size of Household.** The number of trips per household was closely related to household size. In general, the number of trips per household increased as the size of the household increased (see Figure 7-3). The overall trip rates increased with increasing household size for most categories of vehicle availability and for both single- and multi-family households. The mean number of trips per day by household size is provided below.

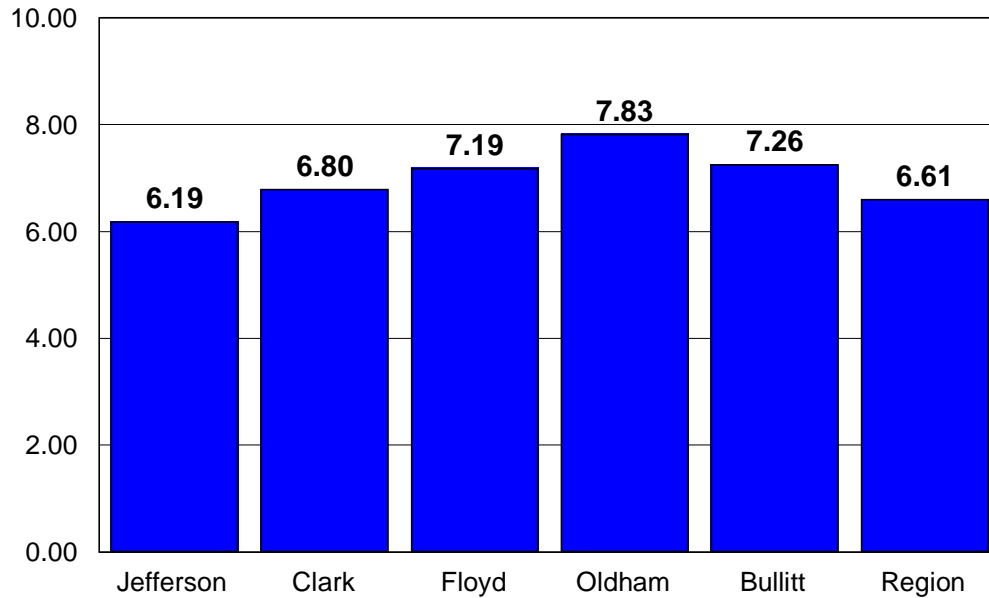
- The mean number of trips per day for all ***one-person households*** in the five-county region was 2.52 trips per household.
- The mean number of trips per day for all ***two-person households*** in the five-county region was 5.59 trips per household.
- The mean number of trips per day for all ***three-person households*** in the five-county region was 7.65 trips per household.
- The mean number of trips per day for all ***four-person households*** in the five-county region was 11.65 trips per household.
- The mean number of trips per day for all ***households*** in the five-county region ***with five or more persons*** was 15.28 trips per household.

**Mean Number of Trips Per Household by Vehicle Availability.** The number of trips per household was also closely related to number of vehicles available. In general, the number of trips per household increased as the number of vehicles available increased (see Figure 7-4). The overall trip rates increased with increasing vehicle availability for most categories of household size and for both single- and multi-family households. The mean number of trips per day by vehicle availability is provided below.

- The mean number of trips per day for all *households* in the five-county region *with zero vehicles* was 1.68 trips per household.
- The mean number of trips per day for all *households* in the five-county region *with one vehicle* was 4.32 trips per household.
- The mean number of trips per day for all *households* in the five-county region *with two vehicles* was 7.48 trips per household.
- The mean number of trips per day for all *households* in the five-county region *with three or more vehicles* was 9.20 trips per household.

Figure 7-1

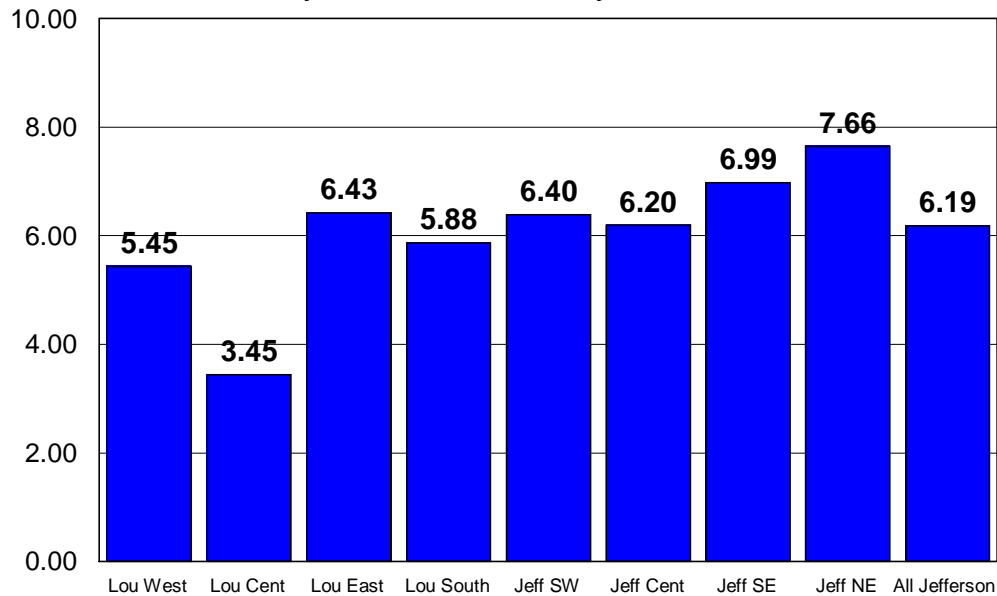
### Mean Number of Household Trips Per Day By County



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 7-2

### Mean Number of Household Trips Per Day By Jefferson County CCD

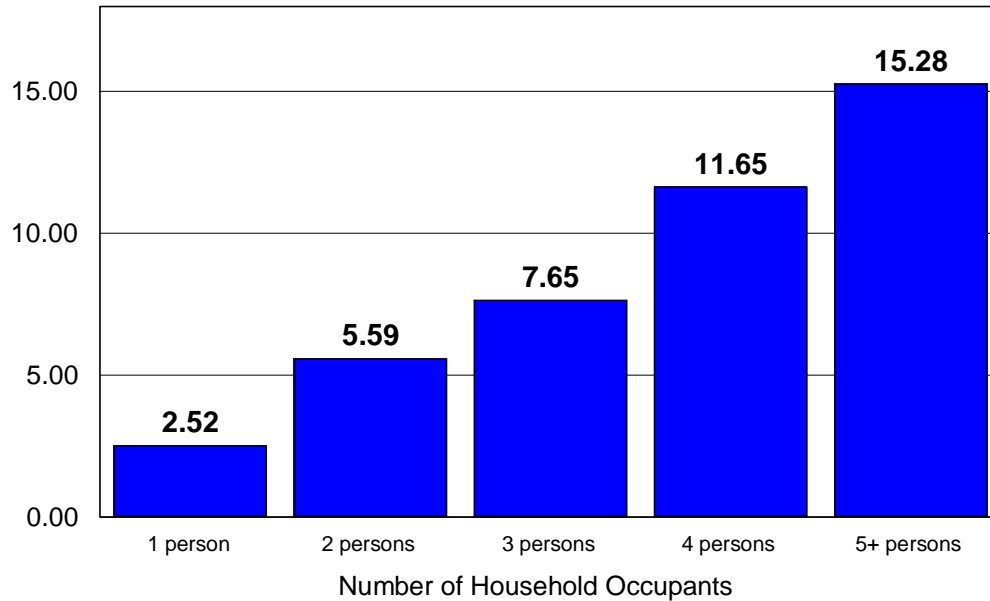


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 7-3

### Mean Number of Household Trips Per Day By Size of Household

for All Households in the Greater Louisville Area

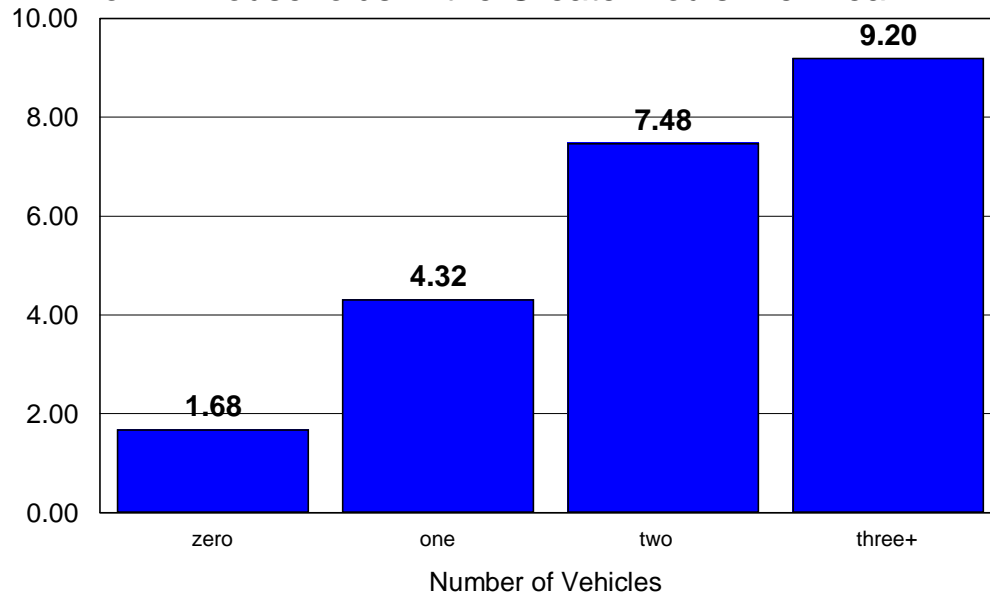


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 7-4

### Mean Number of Household Trips Per Day by Vehicle Availability

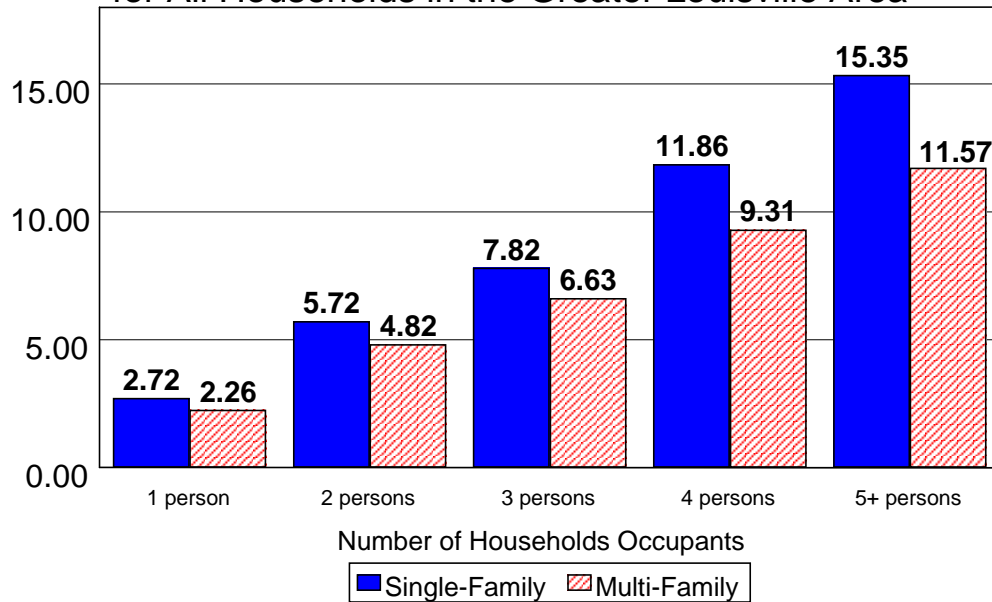
for All Households in the Greater Louisville Area



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 7-5

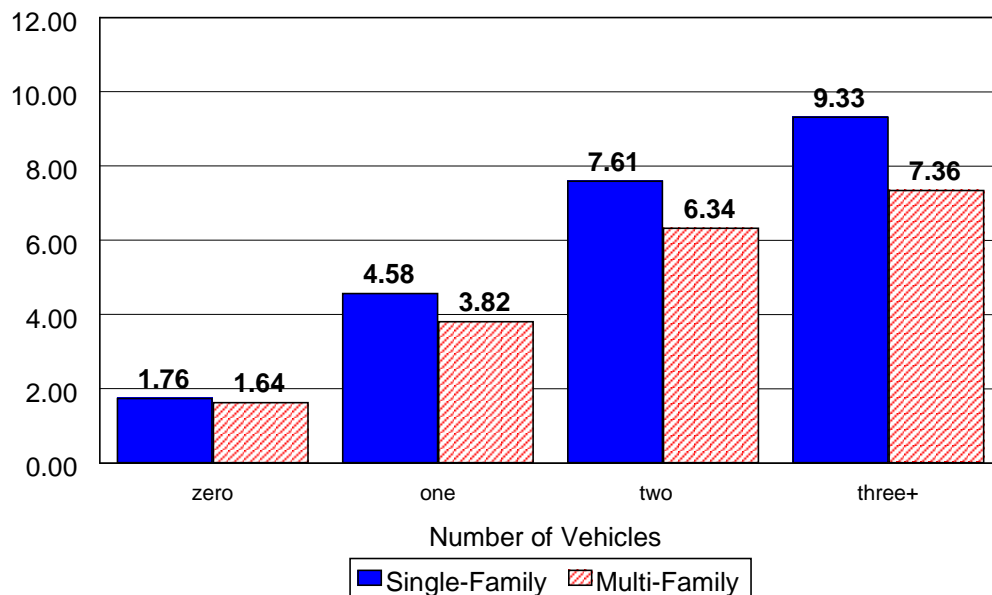
### Mean Number of Household Trips Per Day By Structure Type and Household Size for All Households in the Greater Louisville Area



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 7-6

### Mean Number of Household Trips Per Day By Structure Type and Vehicle Availability for All Households in the Greater Louisville Area



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Table 7-1

**5-County Region**  
**All Households**  
**Trips Per Household**  
**N=4,113 Households**

<i><u>Trip Purpose</u></i>	<i><u>% of all trips</u></i>
<i>Home-based Work (HBW)</i>	<b>18.9%</b>
<i>Home-based Other (HBO)</i>	<b>58.1%</b>
<i>Non-home-based (NHB)</i>	<b>22.9%</b>

## Persons in Household

<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	<b>TOTAL</b>
<b>0</b>	Mean	0.98	2.93	3.12	6.50	11.67	1.68
	Std Error	0.11	0.51	0.66	1.47	0.88	0.16
	95% Low	0.77	1.93	1.82	3.61	9.94	1.38
	95% High	1.19	3.92	4.42	9.39	13.40	1.99
	HBW	0.09	0.38	0.82	0.68	2.67	0.22
	HBO	0.70	1.95	2.24	4.89	8.01	1.19
	NHB	0.19	0.61	0.06	0.93	1.00	0.28
<b>1</b>	Mean	2.92	4.92	6.55	11.06	14.40	4.32
	Std Error	0.10	0.41	0.58	1.06	2.01	0.17
	95% Low	2.74	4.12	5.41	8.97	10.50	3.99
	95% High	3.11	5.73	7.69	13.14	18.39	4.65
	HBW	0.53	0.72	1.14	1.40	2.22	0.71
	HBO	1.63	3.13	3.97	7.10	8.68	2.59
	NHB	0.76	1.06	1.43	2.55	3.48	1.02
<b>2</b>	Mean	3.11	5.84	7.70	11.49	14.78	7.48
	Std Error	0.26	0.13	0.28	0.37	0.88	0.14
	95% Low	2.60	5.58	7.16	10.76	13.05	7.20
	95% High	3.63	6.10	8.25	12.23	16.50	7.76
	HBW	0.52	1.25	1.63	1.57	1.73	1.35
	HBO	1.97	3.11	4.44	7.25	10.15	4.40
	NHB	0.63	1.48	1.62	2.67	2.90	1.74
<b>3+</b>	Mean	3.39	5.88	8.20	12.23	15.38	9.20
	Std Error	0.55	0.23	0.30	0.48	0.71	0.22
	95% Low	2.31	5.43	7.62	11.30	13.99	8.78
	95% High	4.47	6.34	8.79	13.17	16.78	9.62
	HBW	0.60	1.51	2.31	2.24	2.57	2.03
	HBO	1.94	2.81	4.09	7.33	9.66	5.10
	NHB	0.86	1.56	1.80	2.65	3.15	2.07
<b>TOTAL</b>	Mean	2.52	5.59	7.65	11.65	15.28	6.61
	Std Error	0.08	0.12	0.19	0.28	0.57	0.10
	95% Low	2.37	5.35	7.27	11.10	14.17	6.41
	95% High	2.68	5.83	8.03	12.21	16.39	6.80
	HBW	0.43	1.17	1.84	1.81	2.22	1.25
	HBO	1.47	3.02	4.18	7.22	9.96	3.84
	NHB	0.62	1.39	1.64	2.62	3.12	1.51



Table 7-2

**5-County Region**  
**Single-Family**  
**Trips Per Household**  
**N=3,293 Households**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>18.7%</b>
<i>Home-based Other (HBO)</i>	<b>58.3%</b>
<i>Non-home-based (NHB)</i>	<b>23.0%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.90	1.33	3.13	8.29	11.50	1.76
	Std Error	0.18	0.46	0.83	2.15	1.50	0.29
	95% Low	0.55	0.42	1.49	4.08	8.56	1.20
	95% High	1.24	2.24	4.76	12.49	14.44	2.33
	HBW	0.08	0.28	1.25	0.87	2.00	0.27
	HBO	0.65	0.78	1.75	5.82	8.00	1.19
	NHB	0.18	0.28	0.13	1.60	1.50	0.30
<b>1</b>	Mean	2.95	5.14	6.97	10.62	13.52	4.58
	Std Error	0.13	0.52	0.69	1.16	1.40	0.23
	95% Low	2.71	4.13	5.62	8.36	10.78	4.14
	95% High	3.20	6.16	8.31	12.89	16.27	5.02
	HBW	0.50	0.69	1.08	1.50	2.22	0.70
	HBO	1.70	3.32	4.35	6.49	8.64	2.82
	NHB	0.75	1.13	1.54	2.63	2.65	1.07
<b>2</b>	Mean	3.17	5.90	7.74	11.53	15.01	7.61
	Std Error	0.30	0.14	0.30	0.39	0.94	0.15
	95% Low	2.58	5.62	7.15	10.77	13.17	7.32
	95% High	3.76	6.18	8.33	12.29	16.85	7.91
	HBW	0.48	1.21	1.70	1.53	1.68	1.33
	HBO	2.01	3.17	4.44	7.33	10.34	4.51
	NHB	0.68	1.52	1.60	2.66	2.99	1.77
<b>3+</b>	Mean	2.95	5.97	8.20	12.38	15.56	9.33
	Std Error	0.66	0.24	0.31	0.49	0.74	0.22
	95% Low	1.65	5.49	7.59	11.42	14.11	8.89
	95% High	4.25	6.45	8.81	13.33	17.01	9.78
	HBW	0.69	1.51	2.30	2.27	2.47	2.03
	HBO	1.53	2.86	4.10	7.43	9.85	5.19
	NHB	0.74	1.61	1.80	2.67	3.25	2.11
<b>TOTAL</b>	Mean	2.72	5.72	7.82	11.86	15.35	7.21
	Std Error	0.11	0.14	0.21	0.30	0.58	0.11
	95% Low	2.51	5.45	7.41	11.28	14.22	6.99
	95% High	2.93	5.99	8.22	12.44	16.48	7.43
	HBW	0.44	1.17	1.92	1.84	2.13	1.35
	HBO	1.61	3.09	4.24	7.35	10.10	4.20
	NHB	0.66	1.45	1.67	2.67	3.12	1.66

- Notes.
1. Households with at least 4 persons and 1 vehicle include traditionally underserved population
  2. Households with at least 5 persons and 1 vehicle exclude outliers

Table 7-3

**5-County Region**  
**Multi-Family**  
**Trips Per Household**  
**N=820 Households**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>20.9%</b>
<i>Home-based Other (HBO)</i>	<b>56.7%</b>
<i>Non-home-based (NHB)</i>	<b>22.5%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	1.02	3.40	3.46	4.25	7.67	1.64
	Std Error	0.13	0.51	0.79	1.15	2.60	0.18
	95% Low	0.76	2.40	1.91	2.00	2.56	1.28
	95% High	1.28	4.40	5.01	6.50	12.77	1.99
	HBW	0.09	0.37	0.49	0.43	2.55	0.34
	HBO	0.73	2.33	2.97	3.83	5.12	0.93
	NHB	0.20	0.70	0.00	0.00	0.00	0.37
<b>1</b>	Mean	2.87	4.24	5.73	9.50	8.43	3.82
	Std Error	0.14	0.53	1.07	1.63	4.29	0.24
	95% Low	2.59	3.21	3.63	6.30	0.02	3.35
	95% High	3.16	5.28	7.83	12.70	16.84	4.29
	HBW	0.59	0.81	1.27	0.93	1.01	0.80
	HBO	1.52	2.56	3.23	6.70	4.06	2.17
	NHB	0.76	0.87	1.23	1.87	3.36	0.86
<b>2</b>	Mean	2.86	5.38	7.45	10.94	11.25	6.34
	Std Error	0.49	0.37	0.78	1.57	1.60	0.35
	95% Low	1.90	4.67	5.92	7.86	8.11	5.64
	95% High	3.83	6.10	8.98	14.02	14.39	7.03
	HBW	0.68	1.58	1.18	2.10	2.10	1.33
	HBO	1.77	2.59	4.48	6.07	7.47	3.59
	NHB	0.41	1.20	1.79	2.77	1.69	1.43
<b>3+</b>	Mean	4.71	4.92	8.24	8.89	12.55	7.36
	Std Error	0.81	0.72	1.01	2.14	2.26	0.67
	95% Low	3.13	3.51	6.26	4.70	8.11	6.04
	95% High	6.30	6.33	10.21	13.08	16.98	8.68
	HBW	0.31	1.57	2.50	1.56	3.68	1.54
	HBO	3.19	2.30	3.94	5.11	6.93	4.17
	NHB	1.22	1.05	1.79	2.22	1.95	1.66
<b>TOTAL</b>	Mean	2.26	4.82	6.63	9.31	11.57	4.18
	Std Error	0.11	0.27	0.53	0.93	1.70	0.17
	95% Low	2.05	4.29	5.60	7.49	8.23	3.85
	95% High	2.48	5.35	7.66	11.13	14.91	4.51
	HBW	0.42	1.21	1.37	1.44	2.48	0.87
	HBO	1.29	2.58	3.81	5.80	6.65	2.37
	NHB	0.56	1.04	1.44	2.07	2.44	0.94

- Notes.**
1. Households with traditionally underserved population are included in 0 vehicle households with at least 2 persons and in all 5 person households
  2. Households with at least 5 persons and 1 vehicle exclude outliers

Table 7-4

**Bullitt County**  
**All Households**  
**Trips Per Household**  
**N=376 Households**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>19.2%</b>
<i>Home-based Other (HBO)</i>	<b>60.0%</b>
<i>Non-home-based (NHB)</i>	<b>20.8%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.55	2.93	3.12	6.50	11.67	0.44
	Std Error	0.28	0.51	0.66	1.47	0.88	0.29
	95% Low	0.00	1.93	1.82	3.61	9.94	0.00
	95% High	1.10	3.92	4.42	9.39	13.40	1.02
	HBW	0.11	0.56	0.60	1.25	2.24	0.08
	HBO	0.33	1.76	1.87	3.90	7.00	0.26
	NHB	0.11	0.61	0.65	1.35	2.43	0.09
<b>1</b>	Mean	2.58	5.07	6.55	8.00	14.40	4.22
	Std Error	0.37	0.85	0.58	1.41	2.01	0.51
	95% Low	1.84	3.39	5.41	5.23	10.50	3.21
	95% High	3.31	6.74	7.69	10.77	18.39	5.22
	HBW	0.50	0.97	1.26	1.54	2.76	0.81
	HBO	1.55	3.04	3.93	4.80	8.64	2.53
	NHB	0.54	1.05	1.36	1.66	3.00	0.88
<b>2</b>	Mean	3.20	5.43	7.92	10.81	16.86	7.57
	Std Error	1.00	0.39	1.00	1.01	3.87	0.50
	95% Low	1.24	4.66	5.97	8.83	9.27	6.60
	95% High	5.16	6.20	9.88	12.78	24.44	8.55
	HBW	0.61	1.04	1.52	2.08	3.24	1.45
	HBO	1.92	3.26	4.75	6.49	10.12	4.54
	NHB	0.67	1.13	1.65	2.25	3.51	1.57
<b>3+</b>	Mean	1.40	5.42	6.89	12.32	14.81	8.61
	Std Error	0.60	0.62	0.65	1.78	1.77	0.63
	95% Low	0.22	4.21	5.63	8.82	11.34	7.39
	95% High	2.58	6.63	8.16	15.82	18.28	9.84
	HBW	0.27	1.04	1.32	2.37	2.84	1.65
	HBO	0.84	3.25	4.13	7.39	8.89	5.17
	NHB	0.29	1.13	1.43	2.56	3.08	1.79
<b>TOTAL</b>	Mean	2.25	5.37	7.40	11.17	15.69	7.26
	Std Error	0.31	0.31	0.56	0.88	1.80	0.34
	95% Low	1.64	4.77	6.31	9.44	12.17	6.59
	95% High	2.86	5.98	8.49	12.89	19.22	7.94
	HBW	0.43	1.03	1.42	2.14	3.01	1.39
	HBO	1.35	3.22	4.44	6.70	9.41	4.36
	NHB	0.47	1.12	1.54	2.32	3.26	1.51

Notes. 1. Households with 1 person and 0 vehicles include traditionally underserved population

 averages for all households

Table 7-5

**Bullitt County**  
**Single-Family**  
**Trips Per Household**  
**N=346 Households**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>19.2%</b>
<i>Home-based Other (HBO)</i>	<b>59.3%</b>
<i>Non-home-based (NHB)</i>	<b>21.5%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	2.47	1.33	3.13	8.29	11.50	2.47
	Std Error	0.38	0.46	0.83	2.15	1.50	0.38
	95% Low	1.72	0.42	1.49	4.08	8.56	1.72
	95% High	3.22	2.24	4.76	12.49	14.44	3.22
	HBW	0.47	0.26	0.60	1.59	2.21	0.47
	HBO	1.46	0.79	1.86	4.92	6.82	1.46
	NHB	0.53	0.29	0.67	1.78	2.47	0.53
<b>1</b>	Mean	2.64	4.86	6.97	10.00	13.52	4.43
	Std Error	0.45	0.89	0.69	1.15	1.40	0.61
	95% Low	1.76	3.12	5.62	7.74	10.78	3.24
	95% High	3.52	6.60	8.31	12.26	16.27	5.63
	HBW	0.51	0.93	1.34	1.92	2.60	0.85
	HBO	1.57	2.88	4.13	5.93	8.02	2.63
	NHB	0.57	1.04	1.50	2.15	2.91	0.95
<b>2</b>	Mean	3.20	5.48	7.13	10.66	18.17	7.40
	Std Error	1.00	0.41	0.89	1.06	4.42	0.51
	95% Low	1.24	4.69	5.38	8.58	9.50	6.39
	95% High	5.16	6.27	8.87	12.74	26.83	8.41
	HBW	0.61	1.05	1.37	2.05	3.49	1.42
	HBO	1.90	3.25	4.23	6.32	10.77	4.39
	NHB	0.69	1.18	1.53	2.29	3.91	1.59
<b>3+</b>	Mean	1.40	5.37	6.92	12.32	14.75	8.65
	Std Error	0.60	0.67	0.68	1.78	1.86	0.65
	95% Low	0.22	4.06	5.58	8.82	11.11	7.37
	95% High	2.58	6.68	8.25	15.81	18.39	9.93
	HBW	0.27	1.03	1.33	2.37	2.83	1.66
	HBO	0.83	3.18	4.10	7.31	8.75	5.13
	NHB	0.30	1.15	1.49	2.65	3.17	1.86
<b>TOTAL</b>	Mean	2.23	5.39	7.10	11.32	16.09	7.31
	Std Error	0.35	0.32	0.54	0.93	1.94	0.36
	95% Low	1.54	4.76	6.04	9.49	12.28	6.60
	95% High	2.92	6.03	8.15	13.15	19.90	8.03
	HBW	0.43	1.03	1.36	2.17	3.09	1.40
	HBO	1.32	3.20	4.21	6.71	9.54	4.33
	NHB	0.48	1.16	1.53	2.43	3.46	1.57

**Notes.** 1. Households with 0 vehicles and 1 person include traditionally underserved population


 averages for all single-family households

Table 7-6

**Bullitt County**  
**Multi-Family**  
**Trips Per Household**  
**N=30**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>18.6%</b>
<i>Home-based Other (HBO)</i>	<b>69.3%</b>
<i>Non-home-based (NHB)</i>	<b>12.1%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	1.33	2.33	3.46	4.25	7.67	1.50
	Std Error	0.67	0.62	0.79	1.15	2.60	0.50
	95% Low	0.03	1.11	1.91	2.00	2.56	0.52
	95% High	2.64	3.56	5.01	6.50	12.77	2.48
	HBW	0.25	0.43	0.64	0.79	1.43	0.28
	HBO	0.92	1.61	2.40	2.95	5.32	1.04
	NHB	0.16	0.28	0.42	0.51	0.93	0.18
<b>1</b>	Mean	2.38	4.24	5.73	9.50	8.43	3.36
	Std Error	0.71	0.53	1.07	1.63	4.29	0.77
	95% Low	0.99	3.21	3.63	6.30	0.02	1.86
	95% High	3.76	5.28	7.83	12.70	16.84	4.87
	HBW	0.44	0.79	1.07	1.77	1.57	0.62
	HBO	1.65	2.94	3.97	6.58	5.84	2.33
	NHB	0.29	0.51	0.69	1.15	1.02	0.41
<b>2</b>	Mean	2.86	4.00	17.50	12.00	9.00	10.27
	Std Error	0.49	0.00	2.50	3.58	1.00	1.92
	95% Low	1.90	4.00	12.60	4.98	7.04	6.51
	95% High	3.83	4.00	22.40	19.02	10.96	14.04
	HBW	0.53	0.74	3.26	2.23	1.67	1.91
	HBO	1.98	2.77	12.13	8.32	6.24	7.12
	NHB	0.35	0.48	2.12	1.45	1.09	1.24
<b>3+</b>	Mean	4.71	6.00	6.50	8.89	12.55	7.83
	Std Error	0.81	0.58	0.50	2.14	2.26	1.67
	95% Low	3.13	4.87	5.52	4.70	8.11	4.58
	95% High	6.30	7.13	7.48	13.08	16.98	11.09
	HBW	0.88	1.12	1.21	1.65	2.33	1.46
	HBO	3.26	4.16	4.50	6.16	8.70	5.43
	NHB	0.57	0.73	0.79	1.08	1.52	0.95
<b>TOTAL</b>	Mean	2.33	5.00	12.00	9.67	11.33	6.70
	Std Error	0.62	0.68	3.34	2.72	2.40	1.00
	95% Low	1.11	3.66	5.45	4.34	6.62	4.74
	95% High	3.56	6.34	18.55	14.99	16.04	8.66
	HBW	0.43	0.93	2.23	1.80	2.11	1.25
	HBO	1.61	3.47	8.32	6.70	7.85	4.64
	NHB	0.28	0.61	1.45	1.17	1.37	0.81

**Notes.** 1. Households with 0 vehicles and 1 or 2 persons include traditionally underserved population


 averages for all multi-family households

Table 7-7

**Clark County**  
**All Households**  
**Trips Per Household**  
**N=431**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>20.3%</b>
<i>Home-based Other (HBO)</i>	<b>55.8%</b>
<i>Non-home-based (NHB)</i>	<b>23.8%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	1.55	2.93	3.12	6.50	11.67	1.61
	Std Error	0.33	0.51	0.66	1.47	0.88	0.31
	95% Low	0.91	1.93	1.82	3.61	9.94	1.01
	95% High	2.18	3.92	4.42	9.39	13.40	2.22
	HBW	0.31	0.59	0.63	1.32	2.37	0.33
	HBO	0.86	1.63	1.74	3.63	6.51	0.90
	NHB	0.37	0.70	0.74	1.55	2.78	0.38
<b>1</b>	Mean	2.94	4.88	6.26	10.38	26.00	4.96
	Std Error	0.23	1.02	1.63	1.72	15.62	0.61
	95% Low	2.49	2.88	3.07	7.00	0.00	3.76
	95% High	3.38	6.89	9.46	13.75	56.62	6.15
	HBW	0.60	0.99	1.27	2.11	5.28	1.01
	HBO	1.64	2.72	3.49	5.79	14.51	2.77
	NHB	0.70	1.16	1.49	2.47	6.19	1.18
<b>2</b>	Mean	3.50	5.99	6.97	10.11	11.00	6.78
	Std Error	0.62	0.45	0.72	1.35	2.57	0.39
	95% Low	2.29	5.11	5.56	7.45	5.96	6.02
	95% High	4.71	6.87	8.38	12.76	16.04	7.54
	HBW	0.71	1.22	1.41	2.05	2.23	1.38
	HBO	1.95	3.34	3.89	5.64	6.14	3.78
	NHB	0.83	1.43	1.66	2.41	2.62	1.61
<b>3+</b>	Mean	4.00	5.37	9.33	12.14	16.18	9.47
	Std Error	1.00	0.74	0.88	1.17	2.26	0.63
	95% Low	2.04	3.92	7.60	9.84	11.75	8.24
	95% High	5.96	6.82	11.05	14.43	20.61	10.70
	HBW	0.81	1.09	1.89	2.46	3.28	1.92
	HBO	2.23	3.00	5.21	6.77	9.03	5.28
	NHB	0.95	1.28	2.22	2.89	3.85	2.25
<b>TOTAL</b>	Mean	2.77	5.63	7.77	11.06	15.43	6.80
	Std Error	0.21	0.36	0.58	0.79	2.14	0.31
	95% Low	2.36	4.92	6.62	9.51	11.24	6.20
	95% High	3.18	6.33	8.91	12.61	19.63	7.40
	HBW	0.56	1.14	1.58	2.25	3.13	1.38
	HBO	1.55	3.14	4.34	6.17	8.61	3.79
	NHB	0.66	1.34	1.85	2.63	3.67	1.62

**Notes.** 1. Households with 0 vehicles and 1 person include traditionally underserved population

 averages for all households

Table 7-8

**Clark County**  
**Single-Family**  
**Trips Per Household**  
**N=338**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>21.3%</b>
<i>Home-based Other (HBO)</i>	<b>54.5%</b>
<i>Non-home-based (NHB)</i>	<b>24.2%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	2.33	1.33	3.13	8.29	11.50	2.63
	Std Error	0.85	0.46	0.83	2.15	1.50	0.72
	95% Low	0.67	0.42	1.49	4.08	8.56	0.93
	95% High	4.00	2.24	4.76	12.49	14.44	3.77
	HBW	0.50	0.28	0.67	1.77	2.45	0.56
	HBO	1.27	0.72	1.71	4.52	6.27	1.43
	NHB	0.56	0.32	0.76	2.01	2.78	0.64
<b>1</b>	Mean	2.79	4.21	6.50	9.80	13.52	5.01
	Std Error	0.26	0.42	2.00	1.02	1.40	0.79
	95% Low	2.28	3.38	2.60	7.80	10.78	3.47
	95% High	3.29	5.04	10.40	11.80	16.27	6.56
	HBW	0.59	0.90	1.38	2.09	2.88	1.07
	HBO	1.52	2.29	3.54	5.34	7.37	2.73
	NHB	0.68	1.02	1.57	2.37	3.27	1.21
<b>2</b>	Mean	3.25	6.31	7.12	9.12	11.33	6.91
	Std Error	0.75	0.48	0.77	1.25	2.85	0.41
	95% Low	1.78	5.36	5.61	6.66	5.75	6.11
	95% High	4.72	7.25	8.62	11.58	16.92	7.71
	HBW	0.69	1.34	1.52	1.94	2.41	1.47
	HBO	1.77	3.44	3.88	4.97	6.17	3.77
	NHB	0.79	1.53	1.72	2.21	2.74	1.67
<b>3+</b>	Mean	2.95	5.76	9.03	13.00	16.23	9.50
	Std Error	0.66	0.80	0.95	1.10	2.57	0.66
	95% Low	1.65	4.20	7.17	10.84	11.19	8.19
	95% High	4.25	7.33	10.88	15.16	21.27	10.80
	HBW	0.63	1.23	1.92	2.77	3.46	2.02
	HBO	1.61	3.14	4.92	7.09	8.85	5.18
	NHB	0.71	1.39	2.19	3.15	3.93	2.30
<b>TOTAL</b>	Mean	2.75	5.85	7.88	11.08	16.29	7.13
	Std Error	0.24	0.37	0.62	0.79	2.45	0.34
	95% Low	2.28	5.14	6.66	9.52	11.49	6.46
	95% High	3.23	6.57	9.10	12.63	21.10	7.80
	HBW	0.59	1.25	1.68	2.36	3.47	1.52
	HBO	1.50	3.19	4.29	6.04	8.88	3.89
	NHB	0.67	1.42	1.91	2.68	3.94	1.73


- Notes.**
1. Households with 0 vehicles include traditionally underserved population
  2. Households with 4 persons and 1 vehicle include traditionally underserved population
  3. Households with 5+ persons and 1 vehicle were all outliers
  4. Overall trip rate for 1 vehicle households includes traditionally underserved population and excludes the outliers from 5+ households
-  averages for all single-family households

Table 7-9

**Clark County**  
**Multi-Family**  
**Trips Per Household**  
**N=93**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>15.9%</b>
<i>Home-based Other (HBO)</i>	<b>61.8%</b>
<i>Non-home-based (NHB)</i>	<b>22.4%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	1.25	2.00	3.46	4.25	7.67	1.27
	Std Error	0.31	1.15	0.79	1.15	2.60	0.29
	95% Low	0.65	0.00	1.91	2.00	2.56	0.70
	95% High	1.85	4.26	5.01	6.50	12.77	1.84
	HBW	0.20	0.32	0.55	0.68	1.22	0.20
	HBO	0.77	1.24	2.14	2.63	4.74	0.78
	NHB	0.28	0.45	0.78	0.95	1.72	0.28
<b>1</b>	Mean	3.23	6.71	5.86	10.00	8.43	4.85
	Std Error	0.45	3.73	3.03	3.67	4.29	0.94
	95% Low	2.35	0.00	0.00	2.80	0.02	3.02
	95% High	4.10	14.03	11.79	17.20	16.84	6.69
	HBW	0.51	1.07	0.93	1.59	1.34	0.77
	HBO	2.00	4.15	3.62	6.18	5.21	3.00
	NHB	0.72	1.50	1.31	2.24	1.89	1.09
<b>2</b>	Mean	4.50	3.67	6.20	18.50	11.25	5.86
	Std Error	0.50	1.05	2.20	4.50	1.60	1.20
	95% Low	3.52	1.61	1.89	9.68	8.11	3.51
	95% High	5.48	5.72	10.51	27.32	14.39	8.22
	HBW	0.72	0.58	0.99	2.94	1.79	0.93
	HBO	2.78	2.27	3.83	11.43	6.95	3.62
	NHB	1.01	0.82	1.39	4.14	2.52	1.31
<b>3+</b>	Mean	4.71	2.00	11.17	8.25	16.00	9.32
	Std Error	0.81	0.82	2.47	3.97	5.48	1.85
	95% Low	3.13	0.40	6.33	0.48	5.26	5.68
	95% High	6.30	3.60	16.00	16.02	26.74	12.95
	HBW	0.74	0.52	1.42	1.86	2.29	1.19
	HBO	2.89	2.01	5.51	7.21	8.90	4.61
	NHB	1.05	0.73	2.00	2.61	3.23	1.67
<b>TOTAL</b>	Mean	2.79	4.29	7.32	11.00	12.00	5.58
	Std Error	0.39	1.21	1.56	2.44	4.41	0.67
	95% Low	2.02	1.92	4.27	6.21	3.35	4.27
	95% High	3.57	6.66	10.37	15.79	20.65	6.89
	HBW	0.75	0.32	1.78	1.31	2.54	1.48
	HBO	2.91	1.24	6.90	5.10	9.89	5.76
	NHB	1.06	0.45	2.50	1.85	3.58	2.09

**Notes.** 1. Households with 0 vehicles and 1 person include traditionally underserved population


 averages for all multi-family households



Table 7-10

**Floyd County**  
**All Households**  
**Trips Per Household**  
**N=404**

<i><u>Trip Purpose</u></i>	<i><u>% of all trips</u></i>
<i>Home-based Work (HBW)</i>	<b>20.4%</b>
<i>Home-based Other (HBO)</i>	<b>57.5%</b>
<i>Non-home-based (NHB)</i>	<b>22.2%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	2.00	2.93	3.12	6.50	11.67	2.33
	Std Error	0.58	0.51	0.66	1.47	0.88	0.57
	95% Low	0.87	1.93	1.82	3.61	9.94	1.21
	95% High	3.13	3.92	4.42	9.39	13.40	3.46
	HBW	0.41	0.60	0.64	1.33	2.38	0.48
	HBO	1.15	1.68	1.79	3.74	6.71	1.34
	NHB	0.44	0.65	0.69	1.44	2.59	0.52
<b>1</b>	Mean	2.96	7.73	6.55	11.06	14.40	5.44
	Std Error	0.31	2.99	0.58	1.06	2.01	1.23
	95% Low	2.34	1.88	5.41	8.97	10.50	3.02
	95% High	3.57	13.58	7.69	13.14	18.39	7.85
	HBW	0.60	1.58	1.34	2.26	2.94	1.11
	HBO	1.70	4.44	3.77	6.36	8.28	3.13
	NHB	0.66	1.72	1.45	2.46	3.20	1.21
<b>2</b>	Mean	2.73	5.99	8.00	10.59	13.20	7.32
	Std Error	0.91	0.41	0.77	1.15	2.69	0.42
	95% Low	0.94	5.19	6.49	8.34	7.92	6.49
	95% High	4.52	6.78	9.51	12.84	18.48	8.15
	HBW	0.56	1.22	1.63	2.16	2.69	1.49
	HBO	1.57	3.44	4.60	6.09	7.59	4.21
	NHB	0.61	1.33	1.78	2.35	2.93	1.63
<b>3+</b>	Mean	3.39	6.12	7.61	12.55	14.31	8.88
	Std Error	0.55	0.58	0.70	1.41	1.67	0.54
	95% Low	2.31	4.98	6.23	9.78	11.03	7.82
	95% High	4.47	7.27	8.99	15.32	17.59	9.95
	HBW	0.69	1.25	1.55	2.56	2.92	1.81
	HBO	1.95	3.52	4.38	7.22	8.23	5.11
	NHB	0.75	1.36	1.69	2.79	3.18	1.97
<b>TOTAL</b>	Mean	2.97	6.31	7.49	11.64	14.17	7.19
	Std Error	0.29	0.68	0.50	0.90	1.45	0.39
	95% Low	2.40	4.99	6.52	9.88	11.32	6.44
	95% High	3.55	7.64	8.46	13.40	17.01	7.95
	HBW	0.61	1.25	1.55	2.56	2.92	1.81
	HBO	1.71	3.52	4.38	7.22	8.23	5.11
	NHB	0.66	1.36	1.69	2.79	3.18	1.97

 averages for all households

Table 7-11

**Floyd County**  
**Single-Family**  
**Trips Per Household**  
**N=337**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>20.0%</b>
<i>Home-based Other (HBO)</i>	<b>58.1%</b>
<i>Non-home-based (NHB)</i>	<b>21.9%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	1.86	1.33	3.13	8.29	11.50	2.00
	Std Error	0.70	0.46	0.83	2.15	1.50	0.77
	95% Low	0.48	0.42	1.49	4.08	8.56	0.48
	95% High	3.24	2.24	4.76	12.49	14.44	3.52
	HBW	0.37	0.27	0.63	1.66	2.30	0.40
	HBO	1.08	0.77	1.82	4.82	6.68	1.16
	NHB	0.41	0.29	0.69	1.82	2.52	0.44
<b>1</b>	Mean	2.94	5.14	6.97	10.62	13.52	5.85
	Std Error	0.37	0.52	0.69	1.16	1.40	1.83
	95% Low	2.20	4.13	5.62	8.36	10.78	2.27
	95% High	3.67	6.16	8.31	12.89	16.27	9.43
	HBW	0.59	1.03	1.39	2.12	2.70	1.17
	HBO	1.71	2.99	4.05	6.17	7.86	3.40
	NHB	0.64	1.13	1.53	2.33	2.96	1.28
<b>2</b>	Mean	2.83	5.92	8.20	11.13	13.20	7.52
	Std Error	1.15	0.44	0.85	1.17	2.69	0.47
	95% Low	0.59	5.07	6.53	8.83	7.92	6.60
	95% High	5.08	6.78	9.87	13.42	18.48	8.43
	HBW	0.57	1.18	1.64	2.23	2.64	1.50
	HBO	1.64	3.44	4.76	6.47	7.67	4.37
	NHB	0.62	1.30	1.80	2.44	2.89	1.65
<b>3+</b>	Mean	2.95	6.34	7.62	12.59	14.31	9.00
	Std Error	0.66	0.59	0.75	1.51	1.67	0.57
	95% Low	1.65	5.20	6.14	9.63	11.03	7.89
	95% High	4.25	7.49	9.10	15.55	17.59	10.11
	HBW	0.59	1.27	1.52	2.52	2.86	1.80
	HBO	1.71	3.68	4.43	7.31	8.31	5.23
	NHB	0.65	1.39	1.67	2.76	3.13	1.97
<b>TOTAL</b>	Mean	2.96	6.43	7.74	11.75	14.17	7.58
	Std Error	0.37	0.77	0.54	0.93	1.45	0.44
	95% Low	2.23	4.93	6.69	9.93	11.32	6.72
	95% High	3.69	7.93	8.80	13.58	17.00	8.45
	HBW	0.59	1.29	1.55	2.35	2.83	1.52
	HBO	1.72	3.74	4.50	6.83	8.23	4.40
	NHB	0.65	1.41	1.70	2.57	3.10	1.66


 averages for all single-family households

Table 7-12

**Floyd County**  
**Multi-Family**  
**Trips Per Household**  
**N=67**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>23.5%</b>
<i>Home-based Other (HBO)</i>	<b>52.8%</b>
<i>Non-home-based (NHB)</i>	<b>23.8%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	2.33	3.40	3.46	4.25	7.67	3.00
	Std Error	1.20	0.51	0.79	1.15	2.60	0.77
	95% Low	0.00	2.40	1.91	2.00	2.56	1.48
	95% High	4.69	4.40	5.01	6.50	12.77	4.52
	HBW	0.55	0.80	0.81	1.00	1.80	0.71
	HBO	1.23	1.80	1.83	2.24	4.05	1.58
	NHB	0.55	0.81	0.82	1.01	1.83	0.71
1	Mean	3.00	5.64	4.67	9.50	8.43	4.67
	Std Error	0.58	2.01	3.71	1.63	4.29	1.00
	95% Low	1.87	1.70	0.00	6.30	0.02	2.70
	95% High	4.13	9.58	11.94	12.70	16.84	6.63
	HBW	0.71	1.33	1.10	2.23	1.98	1.10
	HBO	1.58	2.98	2.47	5.02	4.45	2.47
	NHB	0.71	1.34	1.11	2.26	2.01	1.11
2	Mean	2.33	6.50	7.50	10.94	11.25	6.00
	Std Error	0.33	1.14	1.77	1.57	1.60	0.89
	95% Low	1.68	4.27	4.04	7.86	8.11	4.25
	95% High	2.99	8.73	10.96	14.02	14.39	7.75
	HBW	0.55	1.53	1.76	2.57	2.64	1.41
	HBO	1.23	3.43	3.96	5.78	5.94	3.17
	NHB	0.55	1.55	1.79	2.60	2.68	1.43
3+	Mean	4.71	1.00	7.50	12.00	12.55	6.86
	Std Error	0.81	1.00	0.50	1.00	2.26	1.74
	95% Low	3.13	0.00	6.52	10.04	8.11	3.45
	95% High	6.30	2.96	8.48	13.96	16.98	10.26
	HBW	1.11	0.24	1.76	2.82	2.95	1.61
	HBO	2.49	0.53	3.96	6.34	6.63	3.62
	NHB	1.12	0.24	1.79	2.86	2.99	1.63
TOTAL	Mean	3.00	5.54	6.50	10.50	11.57	5.21
	Std Error	0.47	1.06	1.23	3.55	1.70	0.61
	95% Low	2.09	3.47	4.08	3.55	8.23	4.02
	95% High	3.91	7.61	8.92	17.45	14.91	6.40
	HBW	0.71	1.30	1.53	2.47	2.72	1.22
	HBO	1.58	2.93	3.43	5.54	6.11	2.75
	NHB	0.71	1.32	1.55	2.50	2.75	1.24


 averages for all multi-family households

Table 7-13

**Oldham County**  
**All Households**  
**Trips Per Household**  
**N=389**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>18.9%</b>
<i>Home-based Other (HBO)</i>	<b>56.7%</b>
<i>Non-home-based (NHB)</i>	<b>24.4%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.50	2.93	3.12	6.50	11.67	0.50
	Std Error	0.33	0.51	0.66	1.47	0.88	0.33
	95% Low	0.00	1.93	1.82	3.61	9.94	0.00
	95% High	1.14	3.92	4.42	9.39	13.40	1.14
	HBW	0.09	0.55	0.59	1.23	2.21	0.09
	HBO	0.28	1.66	1.77	3.69	6.62	0.28
	NHB	0.12	0.71	0.76	1.59	2.85	0.12
<b>1</b>	Mean	2.30	4.37	6.55	7.33	14.40	3.37
	Std Error	0.32	0.83	0.58	1.20	2.01	0.38
	95% Low	1.68	2.75	5.41	4.98	10.50	2.62
	95% High	2.93	5.99	7.69	9.69	18.39	4.12
	HBW	0.43	0.83	1.24	1.39	2.72	0.64
	HBO	1.30	2.48	3.71	4.16	8.16	1.91
	NHB	0.56	1.07	1.60	1.79	3.51	0.82
<b>2</b>	Mean	2.73	5.99	7.34	11.32	17.65	8.35
	Std Error	0.58	0.49	0.97	0.86	2.47	0.48
	95% Low	1.60	5.03	5.44	9.64	12.80	7.40
	95% High	3.85	6.95	9.25	13.00	22.49	9.30
	HBW	0.52	1.13	1.39	2.14	3.34	1.58
	HBO	1.55	3.40	4.16	6.42	10.01	4.73
	NHB	0.67	1.46	1.79	2.76	4.31	2.04
<b>3+</b>	Mean	2.50	4.56	7.19	12.56	15.56	9.08
	Std Error	2.50	0.55	0.76	0.98	1.57	0.56
	95% Low	0.00	3.48	5.70	10.64	12.48	7.99
	95% High	7.40	5.64	8.68	14.48	18.65	10.17
	HBW	0.47	0.86	1.36	2.37	2.94	1.72
	HBO	1.42	2.59	4.08	7.12	8.82	5.15
	NHB	0.61	1.11	1.75	3.06	3.80	2.22
<b>TOTAL</b>	Mean	2.31	5.41	7.22	11.75	16.35	7.83
	Std Error	0.27	0.35	0.60	0.63	1.46	0.33
	95% Low	1.78	4.72	6.05	10.51	13.50	7.18
	95% High	2.85	6.11	8.39	12.99	19.21	8.48
	HBW	0.44	1.02	1.36	2.22	3.09	1.48
	HBO	1.31	3.07	4.09	6.66	9.27	4.44
	NHB	0.56	1.32	1.76	2.87	3.99	1.91

**Notes.** 1. Households with 0 vehicles and 1 person include traditionally underserved population

 averages for all households

Table 7-14

**Oldham County**  
**Single-Family**  
**Trips Per Household**  
**N=361**

<i><u>Trip Purpose</u></i>	<i><u>% of all trips</u></i>
<i>Home-based Work (HBW)</i>	<b>18.8%</b>
<i>Home-based Other (HBO)</i>	<b>56.6%</b>
<i>Non-home-based (NHB)</i>	<b>24.6%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.90	1.33	3.13	8.29	11.50	1.76
	Std Error	0.18	0.46	0.83	2.15	1.50	0.29
	95% Low	0.55	0.42	1.49	4.08	8.56	1.20
	95% High	1.24	2.24	4.76	12.49	14.44	2.33
	HBW	0.17	0.25	0.59	1.56	2.16	0.33
	HBO	0.51	0.75	1.77	4.69	6.51	1.00
	NHB	0.22	0.33	0.77	2.04	2.83	0.43
<b>1</b>	Mean	2.35	4.79	6.97	10.62	13.52	3.54
	Std Error	0.38	1.06	0.69	1.16	1.40	0.47
	95% Low	1.60	2.71	5.62	8.36	10.78	2.61
	95% High	3.09	6.86	8.31	12.89	16.27	4.46
	HBW	0.44	0.90	1.31	2.00	2.54	0.67
	HBO	1.33	2.71	3.95	6.01	7.65	2.00
	NHB	0.58	1.18	1.71	2.61	3.33	0.87
<b>2</b>	Mean	2.73	5.95	7.00	11.32	15.01	8.35
	Std Error	0.57	0.50	0.99	0.86	0.94	0.50
	95% Low	1.60	4.97	5.05	9.64	13.17	7.38
	95% High	3.85	6.93	8.95	13.00	16.85	9.33
	HBW	0.51	1.12	1.32	2.13	2.82	1.57
	HBO	1.55	3.37	3.96	6.41	8.50	4.73
	NHB	0.67	1.46	1.72	2.78	3.69	2.05
<b>3+</b>	Mean	2.50	4.78	7.17	12.56	16.13	9.23
	Std Error	2.50	0.56	0.78	0.98	1.57	0.57
	95% Low	0.00	3.68	5.64	10.64	13.06	8.12
	95% High	7.40	5.88	8.70	14.48	19.20	10.34
	HBW	0.47	0.90	1.35	2.36	3.03	1.74
	HBO	1.42	2.71	4.06	7.11	9.13	5.22
	NHB	0.62	1.18	1.76	3.09	3.97	2.27
<b>TOTAL</b>	Mean	2.34	5.52	7.05	11.78	16.64	8.08
	Std Error	0.31	0.37	0.61	0.64	1.47	0.35
	95% Low	1.74	4.80	5.86	10.53	13.75	7.40
	95% High	2.95	6.25	8.24	13.03	19.53	8.76
	HBW	0.44	1.04	1.33	2.21	3.13	1.52
	HBO	1.32	3.12	3.99	6.67	9.42	4.57
	NHB	0.58	1.36	1.73	2.90	4.09	1.99

**Notes.**  averages for all single-family households

Table 7-15

**Oldham County**  
**Multi-Family**  
**Trips Per Household**  
**N=28**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>19.7%</b>
<i>Home-based Other (HBO)</i>	<b>58.3%</b>
<i>Non-home-based (NHB)</i>	<b>22.0%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	1.02	3.40	3.46	4.25	7.67	1.64
	Std Error	0.13	0.51	0.79	1.15	2.60	0.18
	95% Low	0.76	2.40	1.91	2.00	2.56	1.28
	95% High	1.28	4.40	5.01	6.50	12.77	1.99
	HBW	0.20	0.67	0.68	0.84	1.51	0.32
	HBO	0.59	1.98	2.02	2.48	4.47	0.96
	NHB	0.22	0.75	0.76	0.94	1.69	0.36
1	Mean	2.87	4.24	5.73	9.50	8.43	3.82
	Std Error	0.14	0.53	1.07	1.63	4.29	0.24
	95% Low	2.59	3.21	3.63	6.30	0.02	3.35
	95% High	3.16	5.28	7.83	12.70	16.84	4.29
	HBW	0.57	0.84	1.13	1.87	1.66	0.75
	HBO	1.67	2.47	3.34	5.54	4.91	2.23
	NHB	0.63	0.93	1.26	2.09	1.85	0.84
2	Mean	2.86	5.38	7.45	10.94	11.25	6.34
	Std Error	0.49	0.37	0.78	1.57	1.60	0.35
	95% Low	1.90	4.67	5.92	7.86	8.11	5.64
	95% High	3.83	6.10	8.98	14.02	14.39	7.03
	HBW	0.56	1.06	1.47	2.16	2.22	1.25
	HBO	1.67	3.14	4.34	6.38	6.56	3.70
	NHB	0.63	1.18	1.64	2.41	2.48	1.39
3+	Mean	4.71	4.92	8.24	8.89	12.55	7.36
	Std Error	0.81	0.72	1.01	2.14	2.26	0.67
	95% Low	3.13	3.51	6.26	4.70	8.11	6.04
	95% High	6.30	6.33	10.21	13.08	16.98	8.68
	HBW	0.93	0.97	1.62	1.75	2.47	1.45
	HBO	2.75	2.87	4.80	5.18	7.32	4.29
	NHB	1.04	1.08	1.81	1.96	2.76	1.62
TOTAL	Mean	2.20	4.25	6.63	9.31	11.57	4.64
	Std Error	0.61	1.22	0.53	0.93	1.70	0.85
	95% Low	1.00	1.86	5.60	7.49	8.23	2.98
	95% High	3.04	6.64	7.66	11.13	14.91	6.31
	HBW	0.43	0.84	1.31	1.83	2.28	0.91
	HBO	1.28	2.48	3.87	5.43	6.75	2.71
	NHB	0.48	0.94	1.46	2.05	2.55	1.02

Notes.  averages for all multi-family households

Table 7-16

**All Jefferson County**  
**All Households**  
**Trips Per Household**  
**N=2,516**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>18.4%</b>
<i>Home-based Other (HBO)</i>	<b>58.6%</b>
<i>Non-home-based (NHB)</i>	<b>23.0%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.93	3.15	3.36	6.19	10.11	1.72
	Std Error	0.11	0.57	0.77	1.13	1.48	0.18
	95% Low	0.72	2.02	1.85	3.97	7.22	1.38
	95% High	1.15	4.27	4.86	8.40	13.00	2.07
	HBW	0.17	0.58	0.62	1.14	1.86	0.32
	HBO	0.54	1.85	1.97	3.63	5.92	1.01
	NHB	0.21	0.72	0.77	1.42	2.33	0.40
<b>1</b>	Mean	2.98	4.49	6.66	10.64	13.00	4.17
	Std Error	0.12	0.28	0.65	1.36	2.27	0.16
	95% Low	2.75	3.95	5.39	7.98	8.55	3.85
	95% High	3.22	5.03	7.93	13.30	17.45	4.78
	HBW	0.55	0.83	1.23	1.96	2.39	0.77
	HBO	1.75	2.63	3.90	6.24	7.62	2.44
	NHB	0.69	1.03	1.53	2.45	2.99	0.96
<b>2</b>	Mean	3.18	5.84	7.84	12.13	14.42	7.43
	Std Error	0.35	0.17	0.36	0.53	1.04	0.18
	95% Low	2.51	5.51	7.14	11.08	12.39	7.09
	95% High	3.86	6.18	8.55	13.17	16.45	7.79
	HBW	0.59	1.07	1.44	2.23	2.65	1.37
	HBO	1.86	3.42	4.59	7.11	8.45	4.35
	NHB	0.73	1.34	1.80	2.79	3.32	1.71
<b>3+</b>	Mean	3.27	6.37	8.67	12.00	15.54	9.41
	Std Error	0.80	0.34	0.45	0.70	1.11	0.32
	95% Low	1.71	5.70	7.78	10.62	13.37	8.79
	95% High	4.83	7.03	9.56	13.38	17.71	10.02
	HBW	0.60	1.17	1.60	2.21	2.86	1.73
	HBO	1.92	3.73	5.08	7.03	9.11	5.51
	NHB	0.75	1.47	1.99	2.76	3.57	2.16
<b>TOTAL</b>	Mean	2.48	5.52	7.78	11.53	14.15	6.19
	Std Error	0.09	0.13	0.26	0.39	0.66	0.12
	95% Low	2.30	5.26	7.27	10.76	12.86	5.96
	95% High	2.67	5.77	8.28	12.30	15.44	6.42
	HBW	0.46	1.02	1.43	2.12	2.60	1.14
	HBO	1.45	3.23	4.56	6.76	8.29	3.63
	NHB	0.57	1.27	1.79	2.65	3.25	1.42

Notes. 1. Households with at least 4 persons and 0 or 1 vehicle include traditionally underserved population.

Table 7-17

**All Jefferson County  
Single-Family  
Trips Per Household  
N=1,914**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>17.8%</b>
<i>Home-based Other (HBO)</i>	<b>59.3%</b>
<i>Non-home-based (NHB)</i>	<b>22.9%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.82	1.60	3.29	8.50	11.50	1.93
	Std Error	0.19	0.53	0.94	2.53	1.50	0.35
	95% Low	0.45	0.56	1.44	3.55	8.56	1.24
	95% High	1.20	2.64	5.14	13.45	14.44	2.62
	HBW	0.15	0.28	0.59	1.51	2.05	0.34
	HBO	0.49	0.95	1.95	5.04	6.82	1.14
	NHB	0.19	0.37	0.75	1.95	2.63	0.44
<b>1</b>	Mean	3.06	4.76	7.05	11.37	13.00	4.46
	Std Error	0.16	0.34	0.77	1.70	1.84	0.20
	95% Low	2.74	4.10	5.53	8.01	9.40	4.07
	95% High	3.38	5.42	8.56	14.72	16.60	4.85
	HBW	0.54	0.85	1.25	2.02	2.31	0.79
	HBO	1.81	2.82	4.18	6.74	7.71	2.64
	NHB	0.70	1.09	1.61	2.60	2.98	1.02
<b>2</b>	Mean	3.31	5.89	8.07	12.01	14.51	7.63
	Std Error	0.41	0.18	0.40	0.56	1.12	0.20
	95% Low	2.50	5.53	7.29	11.12	12.32	7.25
	95% High	4.11	6.25	8.84	13.30	16.69	8.02
	HBW	0.59	1.05	1.44	2.14	2.58	1.36
	HBO	1.96	3.49	4.79	7.12	8.60	4.52
	NHB	0.76	1.35	1.85	2.75	3.32	1.75
<b>3+</b>	Mean	2.80	6.34	8.79	12.13	15.83	9.62
	Std Error	1.08	0.36	0.47	0.71	1.14	0.33
	95% Low	0.68	5.62	7.86	10.74	13.59	8.97
	95% High	4.92	7.05	9.72	13.53	18.07	10.27
	HBW	0.50	1.13	1.56	2.16	2.82	1.71
	HBO	1.66	3.76	5.21	7.19	9.39	5.70
	NHB	0.64	1.45	2.01	2.78	3.63	2.20
<b>TOTAL</b>	Mean	2.77	5.65	8.12	11.88	14.90	6.97
	Std Error	0.14	0.15	0.28	0.41	0.73	0.14
	95% Low	2.50	5.36	7.56	11.07	13.46	6.70
	95% High	3.04	5.94	8.67	12.69	16.34	7.24
	HBW	0.49	1.01	1.45	2.11	2.65	1.24
	HBO	1.64	3.35	4.82	7.04	8.84	4.13
	NHB	0.63	1.29	1.86	2.72	3.41	1.60

Notes. 1. Households with 4 persons and 1 vehicle include traditionally underserved population



Table 7-18

**All Jefferson County  
Multi-Family  
Trips Per Household  
N=602**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>21.9%</b>
<i>Home-based Other (HBO)</i>	<b>54.9%</b>
<i>Non-home-based (NHB)</i>	<b>23.3%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.98	4.37	3.72	4.86	7.67	1.62
	Std Error	0.14	0.85	0.87	1.12	2.60	0.19
	95% Low	0.71	2.71	2.01	2.66	2.56	1.24
	95% High	1.25	6.03	5.44	7.06	12.77	1.99
	HBW	0.21	0.96	0.81	1.06	1.68	0.35
	HBO	0.54	2.40	2.04	2.67	4.21	0.89
	NHB	0.23	1.02	0.87	1.13	1.79	0.38
<b>1</b>	Mean	2.88	3.67	5.85	8.33	14.14	3.64
	Std Error	0.17	0.43	1.18	1.43	7.35	0.27
	95% Low	2.55	2.83	3.54	5.53	0.00	3.11
	95% High	3.21	4.51	8.16	11.14	28.55	4.16
	HBW	0.63	0.80	1.28	1.82	3.10	0.80
	HBO	1.58	2.01	3.21	4.57	7.76	2.00
	NHB	0.67	0.86	1.36	1.94	3.29	0.85
<b>2</b>	Mean	2.76	5.49	6.32	10.75	13.50	6.00
	Std Error	0.62	0.43	0.78	1.66	2.53	0.40
	95% Low	1.55	4.65	4.80	7.51	8.55	5.23
	95% High	3.98	6.33	7.84	14.00	18.45	6.78
	HBW	0.60	1.20	1.38	2.35	2.96	1.31
	HBO	1.52	3.01	3.47	5.90	7.41	3.29
	NHB	0.64	1.28	1.47	2.50	3.15	1.40
<b>3+</b>	Mean	4.20	6.64	6.17	7.67	10.00	6.58
	Std Error	1.02	0.92	0.48	4.33	3.46	0.68
	95% Low	2.20	4.83	5.23	0.00	3.21	5.24
	95% High	6.20	8.45	7.10	16.16	16.79	7.92
	HBW	0.92	1.45	1.35	1.68	2.19	1.44
	HBO	2.31	3.65	3.39	4.21	5.49	3.61
	NHB	0.98	1.55	1.44	1.79	2.33	1.53
<b>TOTAL</b>	Mean	2.16	4.83	5.76	8.14	12.18	3.70
	Std Error	0.12	0.28	0.56	1.05	2.42	0.17
	95% Low	1.92	4.27	4.67	6.08	7.44	3.36
	95% High	2.40	5.38	6.86	10.19	16.93	4.04
	HBW	0.47	1.06	1.26	1.78	2.67	0.81
	HBO	1.19	2.65	3.16	4.47	6.69	2.03
	NHB	0.50	1.13	1.34	1.90	2.84	0.86

- Notes.
1. Households with 3 or more persons and 0 vehicle include traditionally underserved population
  2. Households with 5+ persons and 1 vehicle include traditionally underserved population

Table 7-19

**Louisville West**  
**All Households**  
**Trips Per Household**  
**N=242**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>20.7%</b>
<i>Home-based Other (HBO)</i>	<b>58.3%</b>
<i>Non-home-based (NHB)</i>	<b>21.0%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.76	4.17	3.33	10.50	10.11	2.18
	Std Error	0.21	0.83	0.99	8.50	1.48	0.55
	95% Low	0.35	2.53	1.40	0.00	7.22	1.11
	95% High	1.17	5.80	5.27	27.16	13.00	3.25
	HBW	0.16	0.86	0.69	2.17	2.09	0.45
	HBO	0.44	2.43	1.94	6.12	5.89	1.27
	NHB	0.16	0.88	0.70	2.21	2.12	0.46
<b>1</b>	Mean	2.26	3.46	8.40	10.00	9.67	4.36
	Std Error	0.44	0.64	2.24	2.63	2.03	0.54
	95% Low	1.39	2.22	4.02	4.84	5.69	3.29
	95% High	3.13	4.71	12.78	15.16	13.64	5.42
	HBW	0.47	0.72	1.74	2.07	2.00	0.90
	HBO	1.32	2.02	4.90	5.83	5.64	2.54
	NHB	0.47	0.73	1.76	2.10	2.03	0.92
<b>2</b>	Mean	2.88	5.35	5.27	12.00	11.56	6.83
	Std Error	0.99	0.68	1.09	1.20	2.03	0.58
	95% Low	0.93	4.01	3.13	9.64	7.58	5.69
	95% High	4.82	6.69	7.40	14.36	15.53	7.97
	HBW	0.60	1.11	1.09	2.48	2.39	1.41
	HBO	1.68	3.12	3.07	7.00	6.74	3.98
	NHB	0.60	1.12	1.11	2.52	2.43	1.43
<b>3+</b>	Mean	3.27	6.54	6.75	9.55	12.33	7.79
	Std Error	0.80	1.12	1.70	1.97	2.33	0.91
	95% Low	1.71	4.33	3.42	5.68	7.76	6.01
	95% High	4.83	8.74	10.08	13.41	16.91	9.57
	HBW	0.68	1.35	1.40	1.98	2.55	1.61
	HBO	1.91	3.81	3.94	5.57	7.19	4.54
	NHB	0.69	1.37	1.42	2.01	2.59	1.64
<b>TOTAL</b>	Mean	1.75	4.82	6.19	10.69	11.33	5.45
	Std Error	0.28	0.42	0.84	1.03	1.32	0.34
	95% Low	1.21	3.99	4.54	8.67	8.75	4.78
	95% High	2.29	5.65	7.84	12.70	13.92	6.13
	HBW	0.36	1.00	1.28	2.21	2.35	1.13
	HBO	1.02	2.81	3.61	6.23	6.61	3.18
	NHB	0.37	1.01	1.30	2.24	2.38	1.14


**Notes.**  averages for all Jefferson County households

Table 7-20

**Louisville West**  
**Single-Family**  
**Trips Per Household**  
**N=202**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>20.9%</b>
<i>Home-based Other (HBO)</i>	<b>58.1%</b>
<i>Non-home-based (NHB)</i>	<b>20.9%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.64	3.33	3.50	10.50	11.50	2.35
	Std Error	0.29	1.33	0.96	8.50	1.50	0.85
	95% Low	0.08	0.72	1.62	0.00	8.56	0.69
	95% High	1.21	5.95	5.38	27.16	14.44	4.01
	HBW	0.13	0.70	0.73	2.19	2.40	0.49
	HBO	0.37	1.93	2.03	6.10	6.68	1.37
	NHB	0.13	0.70	0.73	2.19	2.40	0.49
<b>1</b>	Mean	2.21	3.64	9.88	9.00	9.67	4.50
	Std Error	0.49	0.70	2.50	4.02	2.02	0.62
	95% Low	1.25	2.27	4.97	1.12	5.96	3.29
	95% High	3.17	5.01	14.78	16.88	13.64	5.71
	HBW	0.46	0.76	2.06	1.88	2.02	0.94
	HBO	1.28	2.11	5.74	5.23	5.62	2.61
	NHB	0.46	0.76	2.06	1.88	2.02	0.94
<b>2</b>	Mean	2.88	5.18	4.67	11.73	10.63	6.42
	Std Error	0.99	0.72	1.30	1.40	2.04	0.61
	95% Low	0.93	3.76	1.12	8.98	6.62	5.23
	95% High	4.82	6.60	7.21	14.48	14.63	7.62
	HBW	0.60	1.08	0.98	2.45	2.22	1.34
	HBO	1.67	3.01	2.71	6.82	6.18	3.73
	NHB	0.60	1.08	0.98	2.45	2.22	1.34
<b>3+</b>	Mean	2.80	6.54	6.75	9.55	10.50	7.60
	Std Error	1.08	1.12	1.70	1.97	2.50	0.91
	95% Low	0.68	4.34	3.42	5.68	5.60	5.82
	95% High	4.92	8.75	10.08	13.41	15.40	9.37
	HBW	0.59	1.37	1.41	2.00	2.19	1.59
	HBO	1.63	3.80	3.92	5.55	6.10	4.42
	NHB	0.59	1.37	1.41	2.00	2.19	1.59
<b>TOTAL</b>	Mean	1.85	4.83	6.43	10.39	10.38	5.59
	Std Error	0.34	0.46	0.96	1.16	1.32	0.38
	95% Low	1.19	3.93	4.54	8.12	7.79	4.85
	95% High	2.51	5.73	8.31	12.67	12.98	6.34
	HBW	0.39	1.01	1.34	2.17	2.17	1.17
	HBO	1.07	2.81	3.74	6.04	6.03	3.25
	NHB	0.39	1.01	1.34	2.17	2.17	1.17

**Notes.**  averages for all Jefferson County single-family households

Table 7-21

**Louisville West**  
**Multi-Family**  
**Trips Per Household**  
**N=40**

<i>Trip Purpose</i>	<i>% of all trips</i>
<i>Home-based Work (HBW)</i>	<b>19.5%</b>
<i>Home-based Other (HBO)</i>	<b>59.5%</b>
<i>Non-home-based (NHB)</i>	<b>21.1%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
<b>0</b>	Mean	0.98	4.37	3.72	4.86	7.67	1.94
	Std Error	0.14	0.85	0.87	1.12	2.60	0.57
	95% Low	0.71	2.71	2.01	2.66	2.56	0.83
	95% High	1.25	6.03	5.44	7.06	12.77	3.05
	HBW	0.19	0.85	0.73	0.95	1.50	0.38
	HBO	0.58	2.60	2.21	2.89	4.56	1.15
	NHB	0.21	0.92	0.78	1.03	1.62	0.41
<b>1</b>	Mean	2.88	3.67	5.85	8.33	14.14	3.71
	Std Error	0.17	0.43	1.18	1.43	7.35	1.14
	95% Low	2.55	2.83	3.54	5.53	0.00	1.49
	95% High	3.21	4.51	8.16	11.14	28.55	5.94
	HBW	0.56	0.72	1.14	1.62	2.76	0.72
	HBO	1.71	2.18	3.48	4.96	8.41	2.21
	NHB	0.61	0.77	1.23	1.76	2.98	0.78
<b>2</b>	Mean	2.76	5.49	6.32	10.75	13.50	10.11
	Std Error	0.62	0.43	0.78	1.66	2.53	1.54
	95% Low	1.55	4.65	4.80	7.51	8.55	7.09
	95% High	3.98	6.33	7.84	14.00	18.45	13.13
	HBW	0.54	1.07	1.23	2.10	2.63	1.97
	HBO	1.64	3.27	3.76	6.40	8.03	6.02
	NHB	0.58	1.16	1.33	2.27	2.85	2.13
<b>3+</b>	Mean	4.20	6.64	6.17	7.67	10.00	7.36
	Std Error	1.02	0.92	0.48	4.33	3.46	0.67
	95% Low	2.20	4.83	5.23	0.00	3.21	6.04
	95% High	6.20	8.45	7.10	16.16	16.79	8.68
	HBW	0.82	1.29	1.20	1.50	1.95	1.44
	HBO	2.50	3.95	3.67	4.56	5.95	4.38
	NHB	0.89	1.40	1.30	1.62	2.11	1.55
<b>TOTAL</b>	Mean	1.50	4.78	4.86	9.31	11.57	4.75
	Std Error	0.49	1.02	1.35	0.93	1.70	0.80
	95% Low	0.55	2.77	2.21	7.49	8.23	3.17
	95% High	2.45	6.79	7.51	11.13	14.91	6.33
	HBW	0.29	0.93	0.95	1.82	2.26	0.93
	HBO	0.89	2.84	2.89	5.54	6.88	2.83
	NHB	0.32	1.01	1.03	1.96	2.44	1.00

**Notes.**  averages for all Jefferson County multi-family households

Table 7-22

**Louisville Central**  
**All Households**  
**Trips Per Household**  
**N=211**

<u>Trip Purpose</u>	<u>% of all trips</u>
Home-based Work (HBW)	22.9%
Home-based Other (HBO)	57.7%
Non-home-based (NHB)	19.4%

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	1.08	2.13	3.36	6.19	10.11	1.43
	Std Error	0.20	0.55	0.77	1.13	1.48	0.24
	95% Low	0.70	1.05	1.85	3.97	7.22	0.96
	95% High	1.46	3.20	4.86	8.40	13.00	1.89
	HBW	0.25	0.49	0.77	1.42	2.32	0.33
	HBO	0.62	1.23	1.94	3.57	5.83	0.83
	NHB	0.21	0.41	0.65	1.20	1.96	0.28
1	Mean	2.71	4.31	6.66	10.64	13.00	3.29
	Std Error	0.39	0.84	0.65	1.36	2.27	0.41
	95% Low	1.95	2.68	5.39	7.98	8.55	2.50
	95% High	3.47	5.95	7.93	13.30	17.45	4.09
	HBW	0.62	0.99	1.53	2.44	2.98	0.75
	HBO	1.56	2.49	3.84	6.14	7.50	1.90
	NHB	0.53	0.84	1.29	2.06	2.52	0.64
2	Mean	4.67	5.89	7.84	12.13	14.42	7.10
	Std Error	3.28	0.65	0.36	0.53	1.04	0.98
	95% Low	0.00	4.62	7.14	11.08	12.39	5.17
	95% High	11.10	7.17	8.55	13.17	16.45	9.02
	HBW	1.07	1.35	1.80	2.78	3.30	1.63
	HBO	2.69	3.40	4.52	7.00	8.32	4.10
	NHB	0.91	1.14	1.52	2.35	2.80	1.38
3+	Mean	3.27	6.37	8.67	12.00	15.54	6.83
	Std Error	0.80	0.34	0.45	0.70	1.11	0.81
	95% Low	1.71	5.70	7.78	10.62	13.37	5.23
	95% High	4.83	7.03	9.56	13.38	17.71	8.42
	HBW	0.75	1.46	1.99	2.75	3.56	1.56
	HBO	1.89	3.68	5.00	6.92	8.97	3.94
	NHB	0.63	1.24	1.68	2.33	3.01	1.33
TOTAL	Mean	1.77	4.98	4.00	9.57	10.00	3.45
	Std Error	0.21	0.47	1.00	1.93	1.44	0.28
	95% Low	1.36	4.05	2.04	5.80	7.18	2.90
	95% High	2.18	5.91	5.96	13.35	12.82	4.00
	HBW	0.41	1.14	0.92	2.19	2.29	0.79
	HBO	1.02	2.87	2.31	5.52	5.77	1.99
	NHB	0.34	0.97	0.78	1.86	1.94	0.67


Notes.  averages for all Jefferson County households

Table 7-23

**Louisville Central**  
**Single-Family**  
**Trips Per Household**  
**N=66**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>23.0%</b>
<i>Home-based Other (HBO)</i>	<b>56.0%</b>
<i>Non-home-based (NHB)</i>	<b>21.0%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	0.82	1.60	3.29	8.50	11.50	3.33
	Std Error	0.19	0.53	0.94	2.53	1.50	2.06
	95% Low	0.45	0.56	1.44	3.55	8.56	0.00
	95% High	1.20	2.64	5.14	13.45	14.44	7.37
	HBW	0.19	0.37	0.76	1.96	2.65	0.77
	HBO	0.46	0.90	1.84	4.76	6.44	1.86
	NHB	0.17	0.34	0.69	1.79	2.42	0.70
1	Mean	2.00	5.00	7.05	11.37	13.00	3.54
	Std Error	0.66	1.53	0.77	1.70	1.84	0.88
	95% Low	0.70	2.01	5.53	8.01	9.40	1.81
	95% High	3.30	7.99	8.56	14.72	16.60	5.28
	HBW	0.46	1.15	1.62	2.62	2.99	0.81
	HBO	1.12	2.80	3.95	6.37	7.28	1.98
	NHB	0.42	1.05	1.48	2.39	2.73	0.74
2	Mean	7.00	5.23	8.07	12.01	14.51	6.85
	Std Error	4.00	0.67	0.40	0.56	1.12	1.27
	95% Low	0.00	3.92	7.29	11.12	12.32	4.36
	95% High	14.84	6.55	8.84	13.30	16.69	9.34
	HBW	1.61	1.20	1.86	2.76	3.34	1.58
	HBO	3.92	2.93	4.52	6.73	8.13	3.84
	NHB	1.47	1.10	1.69	2.52	3.05	1.44
3+	Mean	2.80	6.34	8.79	12.13	15.83	6.81
	Std Error	1.08	0.36	0.47	0.71	1.14	0.93
	95% Low	0.68	5.62	7.86	10.74	13.59	4.99
	95% High	4.92	7.05	9.72	13.53	18.07	8.64
	HBW	0.64	1.46	2.02	2.79	3.64	1.57
	HBO	1.57	3.55	4.92	6.79	8.86	3.81
	NHB	0.59	1.33	1.85	2.55	3.32	1.43
TOTAL	Mean	2.30	5.20	3.86	11.22	9.40	5.32
	Std Error	0.67	0.68	0.96	2.46	1.60	0.61
	95% Low	1.00	3.87	1.97	6.40	6.26	4.13
	95% High	3.60	6.53	5.74	16.04	12.54	6.50
	HBW	0.53	1.20	0.89	2.58	2.16	1.22
	HBO	1.29	2.91	2.16	6.28	5.26	2.98
	NHB	0.48	1.09	0.81	2.36	1.97	1.12

Notes.  averages for all Jefferson County single-family households

Table 7-24

**Louisville Central**  
**Multi-Family**  
**Trips Per Household**  
**N=145**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>22.8%</b>
<i>Home-based Other (HBO)</i>	<b>59.2%</b>
<i>Non-home-based (NHB)</i>	<b>18.0%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	1.11	2.33	3.72	4.86	7.67	1.29
	Std Error	0.20	0.61	0.87	1.12	2.60	0.20
	95% Low	0.72	1.13	2.01	2.66	2.56	0.89
	95% High	1.50	3.54	5.44	7.06	12.77	1.69
	HBW	0.25	0.53	0.85	1.11	1.75	0.29
	HBO	0.66	1.38	2.20	2.88	4.54	0.76
	NHB	0.20	0.42	0.67	0.87	1.38	0.23
1	Mean	3.03	3.90	5.85	8.33	14.14	3.16
	Std Error	0.47	1.02	1.18	1.43	7.35	0.41
	95% Low	2.11	1.91	3.54	5.53	0.00	2.36
	95% High	3.95	5.90	8.16	11.14	28.55	3.96
	HBW	0.69	0.89	1.33	1.90	3.22	0.72
	HBO	1.79	2.31	3.46	4.93	8.37	1.87
	NHB	0.55	0.70	1.05	1.50	2.55	0.57
2	Mean	2.76	7.33	6.32	10.75	13.50	7.55
	Std Error	0.62	1.36	0.78	1.66	2.53	1.59
	95% Low	1.55	4.67	4.80	7.51	8.55	4.44
	95% High	3.98	10.00	7.84	14.00	18.45	10.65
	HBW	0.63	1.67	1.44	2.45	3.08	1.72
	HBO	1.63	4.34	3.74	6.36	7.99	4.47
	NHB	0.50	1.32	1.14	1.94	2.43	1.36
3+	Mean	4.20	6.64	6.17	7.67	10.00	6.86
	Std Error	1.02	0.92	0.48	4.33	3.46	1.74
	95% Low	2.20	4.83	5.23	0.00	3.21	3.45
	95% High	6.20	8.45	7.10	16.16	16.79	10.26
	HBW	0.96	1.51	1.41	1.75	2.28	1.56
	HBO	2.49	3.93	3.65	4.54	5.92	4.06
	NHB	0.76	1.20	1.11	1.38	1.80	1.23
TOTAL	Mean	1.67	4.76	4.11	6.60	11.57	2.60
	Std Error	0.21	0.67	1.67	2.93	1.70	0.27
	95% Low	1.25	3.44	0.84	0.87	8.23	2.06
	95% High	2.08	6.08	7.39	12.33	14.91	3.14
	HBW	0.38	1.09	0.94	1.50	2.64	0.59
	HBO	0.99	2.82	2.43	3.91	6.85	1.54
	NHB	0.30	0.86	0.74	1.19	2.08	0.47


Notes.  averages for all Jefferson County multi-family households

Table 7-25

**Louisville East**  
**All Households**  
**Trips Per Household**  
**N=436**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>17.8%</b>
<i>Home-based Other (HBO)</i>	<b>58.2%</b>
<i>Non-home-based (NHB)</i>	<b>24.0%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	1.09	3.15	3.36	7.33	10.11	2.03
	Std Error	0.35	0.57	0.77	2.91	1.48	0.55
	95% Low	0.42	2.02	1.85	1.64	7.22	0.95
	95% High	1.77	4.27	4.86	13.03	13.00	3.10
	HBW	0.19	0.56	0.60	1.30	1.80	0.36
	HBO	0.63	1.83	1.96	4.27	5.88	1.18
	NHB	0.26	0.76	0.81	1.76	2.43	0.49
1	Mean	3.22	4.57	10.70	10.64	13.00	4.20
	Std Error	0.21	0.56	1.32	1.36	2.27	0.31
	95% Low	2.80	3.64	8.12	7.98	8.55	3.60
	95% High	3.64	5.67	13.82	13.30	17.45	4.80
	HBW	0.57	0.81	1.90	1.89	2.31	0.75
	HBO	1.87	2.66	6.23	6.19	7.57	2.44
	NHB	0.77	1.10	2.57	2.55	3.12	1.01
2	Mean	5.00	6.45	10.44	13.74	14.42	8.54
	Std Error	1.09	0.39	1.03	1.42	1.04	0.48
	95% Low	2.87	5.69	8.43	10.95	12.39	7.59
	95% High	7.13	7.20	12.46	16.53	16.45	9.48
	HBW	0.89	1.15	1.86	2.45	2.57	1.52
	HBO	2.91	3.75	6.08	8.00	8.39	4.97
	NHB	1.20	1.55	2.51	3.30	3.46	2.05
3+	Mean	1.75	6.25	10.17	14.63	15.54	8.91
	Std Error	1.03	0.87	1.43	2.70	1.11	0.81
	95% Low	0.00	4.54	7.37	9.34	13.37	7.32
	95% High	3.77	7.96	12.97	19.91	17.71	10.49
	HBW	0.31	1.11	1.81	2.60	2.77	1.59
	HBO	1.02	3.64	5.92	8.51	9.04	5.19
	NHB	0.42	1.50	2.44	3.51	3.73	2.14
TOTAL	Mean	2.88	6.02	10.36	13.97	15.65	6.43
	Std Error	0.20	0.31	0.70	1.21	2.51	0.28
	95% Low	2.49	5.41	8.98	11.61	10.73	5.88
	95% High	3.26	6.64	11.74	16.30	20.56	6.98
	HBW	0.51	1.07	1.84	2.49	2.79	1.14
	HBO	1.68	3.50	6.03	8.13	9.11	3.74
	NHB	0.69	1.44	2.49	3.35	3.76	1.54


Notes.  averages for all Jefferson County households



Table 7-26

**Louisville East**  
**Single-Family**  
**Trips Per Household**  
**N=304**

<i><u>Trip Purpose</u></i>	<i><u>% of all trips</u></i>
<i>Home-based Work (HBW)</i>	<b>16.8%</b>
<i>Home-based Other (HBO)</i>	<b>58.8%</b>
<i>Non-home-based (NHB)</i>	<b>24.4%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	1.13	1.60	3.29	8.50	11.50	2.18
	Std Error	0.48	0.53	0.94	2.53	1.50	0.85
	95% Low	0.20	0.56	1.44	3.55	8.56	0.52
	95% High	2.07	2.64	5.14	13.45	14.44	3.83
	HBW	0.19	0.27	0.55	1.43	1.93	0.37
	HBO	0.66	0.94	1.93	5.00	6.76	1.28
	NHB	0.28	0.39	0.80	2.07	2.81	0.53
<b>1</b>	Mean	3.46	4.95	9.57	11.37	13.00	4.72
	Std Error	0.33	0.71	1.60	1.70	1.84	0.46
	95% Low	2.82	3.56	6.43	8.01	9.40	3.82
	95% High	4.10	6.34	12.71	14.72	16.60	5.63
	HBW	0.58	0.83	1.61	1.91	2.18	0.79
	HBO	2.03	2.91	5.63	6.69	7.64	2.78
	NHB	0.84	1.21	2.34	2.77	3.17	1.15
<b>2</b>	Mean	5.67	6.75	11.22	13.77	14.51	9.11
	Std Error	1.41	0.44	1.12	1.49	1.12	0.55
	95% Low	2.91	5.89	9.02	10.85	12.32	8.03
	95% High	8.42	7.61	13.42	16.69	16.69	10.18
	HBW	0.95	1.13	1.88	2.31	2.44	1.53
	HBO	3.33	3.97	6.60	8.10	8.53	5.36
	NHB	1.38	1.65	2.74	3.36	3.54	2.22
<b>3+</b>	Mean	2.80	5.64	10.29	14.63	15.83	9.25
	Std Error	1.08	1.00	1.51	2.70	1.14	0.93
	95% Low	0.68	3.68	7.35	9.34	13.59	7.44
	95% High	4.92	7.59	13.25	19.91	18.07	11.06
	HBW	0.47	0.95	1.73	2.46	2.66	1.55
	HBO	1.65	3.32	6.05	8.60	9.31	5.44
	NHB	0.68	1.38	2.51	3.57	3.86	2.26
<b>TOTAL</b>	Mean	3.13	6.27	10.64	14.35	17.23	7.44
	Std Error	0.30	0.36	0.80	1.22	2.98	0.36
	95% Low	2.53	5.56	9.07	11.95	11.38	6.73
	95% High	3.71	6.98	12.20	16.75	23.08	8.16
	HBW	0.53	1.05	1.79	2.41	2.89	1.25
	HBO	1.84	3.69	6.26	8.44	10.13	4.37
	NHB	0.76	1.53	2.60	3.50	4.20	1.82

**Notes.**  averages for all Jefferson County single-family households

Table 7-27

**Louisville East**  
**Multi-Family**  
**Trips Per Household**  
**N=132**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>22.2%</b>
<i>Home-based Other (HBO)</i>	<b>55.5%</b>
<i>Non-home-based (NHB)</i>	<b>22.3%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	1.06	4.37	3.72	4.86	7.67	1.90
	Std Error	0.51	0.85	0.87	1.12	2.60	0.73
	95% Low	0.06	2.71	2.01	2.66	2.56	0.47
	95% High	2.06	6.03	5.44	7.06	12.77	3.34
	HBW	0.24	0.97	0.83	1.08	1.70	0.42
	HBO	0.59	2.43	2.06	2.70	4.26	1.05
	NHB	0.24	0.97	0.83	1.08	1.71	0.42
1	Mean	2.96	3.80	5.85	8.33	14.14	3.53
	Std Error	0.27	0.92	1.18	1.43	7.35	0.36
	95% Low	2.44	2.00	3.54	5.53	0.00	2.82
	95% High	3.49	5.60	8.16	11.14	28.55	4.24
	HBW	0.66	0.84	1.30	1.85	3.14	0.78
	HBO	1.64	2.11	3.25	4.62	7.85	1.96
	NHB	0.66	0.85	1.30	1.86	3.15	0.79
2	Mean	4.00	5.11	6.00	10.75	13.50	5.87
	Std Error	1.83	0.72	0.91	1.66	2.53	0.78
	95% Low	0.42	3.69	4.21	7.51	8.55	4.33
	95% High	7.58	6.52	7.79	14.00	18.45	7.40
	HBW	0.89	1.13	1.33	2.39	3.00	1.30
	HBO	2.22	2.84	3.33	5.97	7.49	3.26
	NHB	0.89	1.14	1.34	2.40	3.01	1.31
3+	Mean	3.50	8.50	6.17	7.67	10.00	7.00
	Std Error	0.50	1.57	0.48	4.33	3.46	1.16
	95% Low	2.52	5.43	5.23	0.00	3.21	4.72
	95% High	4.48	11.57	7.10	16.16	16.79	9.28
	HBW	0.78	1.89	1.37	1.70	2.22	1.55
	HBO	1.94	4.72	3.42	4.26	5.55	3.89
	NHB	0.78	1.90	1.38	1.71	2.23	1.56
TOTAL	Mean	2.63	5.17	8.89	7.50	10.50	4.07
	Std Error	0.25	0.59	1.31	5.50	3.93	0.33
	95% Low	2.13	4.01	6.33	3.28	2.80	3.43
	95% High	3.12	6.32	11.45	18.28	18.20	4.71
	HBW	0.58	1.15	1.97	1.67	2.33	0.90
	HBO	1.46	2.87	4.93	4.16	5.83	2.26
	NHB	0.59	1.15	1.98	1.67	2.34	0.91

Notes.  averages for all Jefferson County multi-family households

Table 7-28

**Louisville South**  
**All Households**  
**Trips Per Household**  
**N=293**

<i>Trip Purpose</i>	<i>% of all trips</i>
<i>Home-based Work (HBW)</i>	<b>20.0%</b>
<i>Home-based Other (HBO)</i>	<b>57.7%</b>
<i>Non-home-based (NHB)</i>	<b>22.3%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	0.39	3.17	3.75	5.33	10.11	1.84
	Std Error	0.29	1.38	1.65	0.67	1.48	0.48
	95% Low	0.00	0.47	0.51	4.03	7.22	0.89
	95% High	0.96	5.86	6.99	6.64	13.00	2.79
	HBW	0.08	0.63	0.75	1.07	2.02	0.37
	HBO	0.23	1.83	2.16	3.08	5.83	1.06
	NHB	0.09	0.71	0.84	1.19	2.25	0.41
1	Mean	3.40	5.63	6.66	10.64	13.00	4.51
	Std Error	0.47	0.90	0.65	1.36	2.27	0.44
	95% Low	2.49	3.86	5.39	7.98	8.55	3.65
	95% High	4.31	7.39	7.93	13.30	17.45	5.37
	HBW	0.68	1.13	1.33	2.13	2.60	0.90
	HBO	1.96	3.25	3.84	6.14	7.50	2.60
	NHB	0.76	1.26	1.49	2.37	2.90	1.01
2	Mean	2.33	5.37	6.15	12.13	14.42	6.77
	Std Error	1.20	0.56	0.85	0.53	1.04	0.60
	95% Low	0.00	4.26	4.50	11.08	12.39	5.59
	95% High	4.69	6.47	7.81	13.17	16.45	7.95
	HBW	0.47	1.07	1.23	2.43	2.88	1.35
	HBO	1.34	3.10	3.55	7.00	8.32	3.91
	NHB	0.52	1.20	1.37	2.70	3.22	1.51
3+	Mean	3.27	6.43	8.55	13.63	15.54	10.31
	Std Error	0.80	0.92	1.27	1.46	1.11	1.09
	95% Low	1.71	4.62	6.06	10.76	13.37	8.18
	95% High	4.83	8.24	11.03	16.49	17.71	12.44
	HBW	0.65	1.29	1.71	2.73	3.11	2.06
	HBO	1.89	3.71	4.93	7.86	8.97	5.95
	NHB	0.73	1.43	1.91	3.04	3.47	2.30
TOTAL	Mean	2.68	5.47	6.12	12.39	14.52	5.88
	Std Error	0.37	0.43	0.58	1.82	2.03	0.35
	95% Low	1.95	4.62	4.98	8.82	10.54	5.19
	95% High	3.42	6.31	7.25	15.96	18.51	6.56
	HBW	0.54	1.09	1.22	2.48	2.90	1.18
	HBO	1.55	3.16	3.53	7.15	8.38	3.39
	NHB	0.60	1.22	1.36	2.76	3.24	1.31


Notes.  averages for all Jefferson County households

Table 7-29

**Louisville South**  
**Single-Family**  
**Trips Per Household**  
**N=220**

<i><u>Trip Purpose</u></i>	<i><u>% of all trips</u></i>
<i>Home-based Work (HBW)</i>	<b>18.1%</b>
<i>Home-based Other (HBO)</i>	<b>60.1%</b>
<i>Non-home-based (NHB)</i>	<b>21.8%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	0.88	1.50	4.50	8.50	11.50	1.87
	Std Error	0.64	0.96	2.50	2.53	1.50	0.64
	95% Low	0.00	0.00	0.00	3.55	8.56	0.61
	95% High	2.13	3.38	9.40	13.45	14.44	3.12
	HBW	0.16	0.27	0.81	1.54	2.08	0.34
	HBO	0.53	0.90	2.70	5.11	6.91	1.12
	NHB	0.19	0.33	0.98	1.85	2.51	0.41
1	Mean	3.94	5.97	4.25	11.37	13.00	5.04
	Std Error	0.67	1.08	1.29	1.70	1.84	0.59
	95% Low	2.62	3.84	1.72	8.01	9.40	3.88
	95% High	5.26	8.09	6.78	14.72	16.60	6.20
	HBW	0.71	1.08	0.77	2.06	2.35	0.91
	HBO	2.37	3.59	2.55	6.83	7.81	3.03
	NHB	0.86	1.30	0.93	2.48	2.83	1.10
2	Mean	2.00	5.00	5.76	13.80	13.82	6.70
	Std Error	2.00	0.59	1.00	5.80	2.66	0.69
	95% Low	0.00	3.84	3.80	2.43	8.60	5.34
	95% High	5.92	6.16	7.72	25.17	19.04	8.05
	HBW	0.36	0.91	1.04	2.50	2.50	1.21
	HBO	1.20	3.01	3.46	8.29	8.31	4.03
	NHB	0.44	1.09	1.26	3.01	3.01	1.46
3+	Mean	2.80	6.46	8.70	13.63	18.29	10.74
	Std Error	1.08	1.00	1.39	1.46	4.17	1.17
	95% Low	0.68	4.51	5.97	10.76	10.11	8.44
	95% High	4.92	8.42	11.43	16.49	26.47	13.03
	HBW	0.51	1.17	1.57	2.47	3.31	1.94
	HBO	1.68	3.88	5.23	8.19	10.99	6.45
	NHB	0.61	1.41	1.90	2.97	3.99	2.34
TOTAL	Mean	3.33	5.36	6.12	13.53	15.11	6.48
	Std Error	0.57	0.49	0.70	2.05	2.21	0.43
	95% Low	2.21	4.41	4.75	9.52	10.78	5.63
	95% High	4.44	6.32	7.49	17.55	19.43	7.33
	HBW	0.60	0.97	1.11	2.45	2.73	1.17
	HBO	2.00	3.22	3.68	8.13	9.08	3.89
	NHB	0.73	1.17	1.33	2.95	3.29	1.41


Notes  averages for all Jefferson County single-family households

Table 7-30

**Louisville South**  
**Multi-Family**  
**Trips Per Household**  
**N=73**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>28.7%</b>
<i>Home-based Other (HBO)</i>	<b>46.3%</b>
<i>Non-home-based (NHB)</i>	<b>25.0%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
<b>0</b>	Mean	0.98	4.37	3.72	4.86	7.67	1.81
	Std Error	0.14	0.85	0.87	1.12	2.60	0.74
	95% Low	0.71	2.71	2.01	2.66	2.56	0.36
	95% High	1.25	6.03	5.44	7.06	12.77	3.27
	HBW	0.28	1.25	1.07	1.39	2.20	0.52
	HBO	0.45	2.02	1.72	2.25	3.55	0.84
	NHB	0.25	1.09	0.93	1.22	1.92	0.45
<b>1</b>	Mean	2.58	4.25	5.00	8.33	14.14	3.36
	Std Error	0.55	1.16	1.00	1.43	7.35	0.51
	95% Low	1.50	1.97	3.04	5.53	0.00	2.37
	95% High	3.66	6.53	6.96	11.14	28.55	4.35
	HBW	0.74	1.22	1.44	2.39	4.06	0.96
	HBO	1.19	1.97	2.32	3.86	6.55	1.56
	NHB	0.65	1.06	1.25	2.08	3.54	0.84
<b>2</b>	Mean	2.76	7.20	7.80	10.75	13.50	7.18
	Std Error	0.62	1.58	1.20	1.66	2.53	1.00
	95% Low	1.55	4.10	5.45	7.51	8.55	5.21
	95% High	3.98	10.30	10.15	14.00	18.45	9.15
	HBW	0.79	2.07	2.24	3.09	3.87	2.06
	HBO	1.28	3.33	3.61	4.98	6.25	3.32
	NHB	0.69	1.80	1.95	2.69	3.38	1.80
<b>3+</b>	Mean	4.20	6.64	6.17	7.67	10.00	6.25
	Std Error	1.02	0.92	0.48	4.33	3.46	1.65
	95% Low	2.20	4.83	5.23	0.00	3.21	3.01
	95% High	6.20	8.45	7.10	16.16	16.79	9.49
	HBW	1.21	1.91	1.77	2.20	2.87	1.79
	HBO	1.94	3.07	2.86	3.55	4.63	2.89
	NHB	1.05	1.66	1.54	1.92	2.50	1.56
<b>TOTAL</b>	Mean	1.86	5.95	6.09	6.67	9.00	4.07
	Std Error	0.41	0.92	0.91	1.76	1.00	0.45
	95% Low	1.05	4.16	4.31	3.21	7.04	3.19
	95% High	2.67	7.75	7.87	10.12	10.96	4.94
	HBW	0.53	1.71	1.75	1.91	2.58	1.17
	HBO	0.86	2.75	2.82	3.09	4.17	1.88
	NHB	0.47	1.49	1.52	1.67	2.25	1.02

Notes  averages for all Jefferson County multi-family households

Table 7-31

**Jefferson County SW**  
**All Households**  
**Trips Per Household**  
**N=395**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>15.4%</b>
<i>Home-based Other (HBO)</i>	<b>63.1%</b>
<i>Non-home-based (NHB)</i>	<b>21.5%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	1.00	3.15	3.36	6.19	10.11	2.65
	Std Error	0.37	0.57	0.77	1.13	1.48	0.83
	95% Low	0.28	2.02	1.85	3.97	7.22	1.02
	95% High	1.72	4.27	4.86	8.40	13.00	4.29
	HBW	0.15	0.49	0.52	0.95	1.56	0.41
	HBO	0.63	1.99	2.12	3.91	6.38	1.67
	NHB	0.22	0.68	0.72	1.33	2.17	0.57
<b>1</b>	Mean	2.57	4.27	5.13	10.64	13.00	4.00
	Std Error	0.30	0.60	0.81	1.36	2.27	0.52
	95% Low	1.99	3.09	3.53	7.98	8.55	2.99
	95% High	3.14	5.44	6.72	13.30	17.45	5.01
	HBW	0.40	0.66	0.79	1.64	2.00	0.62
	HBO	1.62	2.69	3.24	6.71	8.20	2.52
	NHB	0.55	0.92	1.10	2.29	2.80	0.86
<b>2</b>	Mean	2.21	5.32	7.07	12.33	16.46	7.34
	Std Error	0.59	0.40	0.92	1.21	2.35	0.46
	95% Low	1.07	4.53	5.27	9.96	11.85	6.43
	95% High	3.36	6.11	8.88	14.70	21.07	8.25
	HBW	0.34	0.82	1.09	1.90	2.53	1.13
	HBO	1.39	3.36	4.46	7.78	10.39	4.63
	NHB	0.48	1.14	1.52	2.65	3.54	1.58
<b>3+</b>	Mean	3.27	6.37	7.33	12.95	15.38	8.74
	Std Error	0.80	0.34	0.90	1.82	0.71	0.79
	95% Low	1.71	5.70	5.57	9.39	13.99	7.19
	95% High	4.83	7.03	9.09	16.52	16.78	10.29
	HBW	0.50	0.98	1.13	1.99	2.37	1.35
	HBO	2.06	4.02	4.63	8.17	9.70	5.51
	NHB	0.70	1.37	1.58	2.78	3.31	1.88
<b>TOTAL</b>	Mean	2.26	5.06	6.92	12.35	16.33	6.40
	Std Error	0.23	0.30	0.60	1.00	2.05	0.32
	95% Low	1.80	4.48	5.80	10.38	12.32	5.77
	95% High	2.72	5.65	8.03	14.32	20.35	7.03
	HBW	0.35	0.78	1.07	1.90	2.51	0.99
	HBO	1.43	3.19	4.37	7.79	10.30	4.04
	NHB	0.49	1.09	1.49	2.66	3.51	1.38


Notes  averages for all Jefferson County households

Table 7-32

**Jefferson County SW**  
**Single-Family**  
**Trips Per Household**  
**N=347**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>15.6%</b>
<i>Home-based Other (HBO)</i>	<b>63.2%</b>
<i>Non-home-based (NHB)</i>	<b>21.2%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.91	1.60	3.29	8.50	11.50	1.43
	Std Error	0.41	0.53	0.94	2.53	1.50	0.74
	95% Low	0.10	0.56	1.44	3.55	8.56	0.00
	95% High	1.72	2.64	5.14	13.45	14.44	2.88
	HBW	0.14	0.25	0.51	1.33	1.79	0.22
	HBO	0.58	1.01	2.08	5.37	7.27	0.90
	NHB	0.19	0.34	0.70	1.80	2.44	0.30
<b>1</b>	Mean	2.34	4.19	7.00	11.37	14.67	3.54
	Std Error	0.31	0.60	0.41	1.70	1.33	0.36
	95% Low	1.73	3.00	6.20	8.01	12.05	2.83
	95% High	2.95	5.37	7.80	14.72	17.28	4.25
	HBW	0.37	0.65	1.09	1.77	2.29	0.55
	HBO	1.48	2.65	4.42	7.19	9.27	2.24
	NHB	0.50	0.89	1.48	2.41	3.11	0.75
<b>2</b>	Mean	2.45	5.35	7.24	12.79	16.46	7.61
	Std Error	0.72	0.42	0.98	1.21	2.35	0.49
	95% Low	1.05	4.52	5.33	10.41	11.85	6.64
	95% High	3.86	6.18	9.15	15.16	21.07	8.57
	HBW	0.38	0.83	1.13	2.00	2.57	1.19
	HBO	1.55	3.38	4.58	8.08	10.40	4.81
	NHB	0.52	1.13	1.53	2.71	3.49	1.61
<b>3+</b>	Mean	2.80	4.87	7.33	12.95	13.67	8.84
	Std Error	1.08	0.60	0.90	1.82	3.39	0.81
	95% Low	0.68	3.69	5.58	9.39	7.03	7.25
	95% High	4.92	6.05	9.09	16.52	20.31	10.42
	HBW	0.44	0.76	1.14	2.02	2.13	1.38
	HBO	1.77	3.08	4.63	8.18	8.64	5.59
	NHB	0.59	1.03	1.55	2.75	2.90	1.87
<b>TOTAL</b>	Mean	2.15	4.96	7.26	12.73	15.04	6.57
	Std Error	0.25	0.31	0.61	1.03	1.65	0.33
	95% Low	1.66	4.35	6.07	10.71	11.81	5.92
	95% High	2.65	5.57	8.46	14.74	18.27	7.23
	HBW	0.34	0.77	1.13	1.99	2.35	1.02
	HBO	1.36	3.13	4.59	8.05	9.51	4.15
	NHB	0.46	1.05	1.54	2.70	3.19	1.39

Notes  averages for all Jefferson County single-family households

Table 7-33

**Jefferson County SW**  
**Multi-Family**  
**Trips Per Household**  
**N=48**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>13.6%</b>
<i>Home-based Other (HBO)</i>	<b>61.7%</b>
<i>Non-home-based (NHB)</i>	<b>24.7%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	1.20	4.37	3.72	4.86	7.67	4.56
	Std Error	0.80	0.85	0.87	1.12	2.60	1.66
	95% Low	0.00	2.71	2.01	2.66	2.56	1.30
	95% High	2.77	6.03	5.44	7.06	12.77	7.81
	HBW	0.16	0.59	0.51	0.66	1.04	0.62
	HBO	0.74	2.70	2.30	3.00	4.73	2.81
	NHB	0.30	1.08	0.92	1.20	1.89	1.13
1	Mean	3.54	5.00	5.85	8.33	14.14	5.91
	Std Error	0.78	3.00	1.18	1.43	7.35	2.18
	95% Low	2.01	0.00	3.54	5.53	0.00	1.63
	95% High	5.07	10.88	8.16	11.14	28.55	10.19
	HBW	0.48	0.68	0.80	1.13	1.92	0.80
	HBO	2.18	3.09	3.61	5.14	8.72	3.65
	NHB	0.87	1.24	1.44	2.06	3.49	1.46
2	Mean	1.33	5.00	6.32	10.75	13.50	4.40
	Std Error	0.67	1.28	0.78	1.66	2.53	1.03
	95% Low	0.03	2.49	4.80	7.51	8.55	2.39
	95% High	2.64	7.51	7.84	14.00	18.45	6.41
	HBW	0.18	0.68	0.86	1.46	1.84	0.60
	HBO	0.82	3.09	3.90	6.63	8.33	2.71
	NHB	0.33	1.24	1.56	2.66	3.33	1.09
3+	Mean	4.20	6.64	6.17	7.67	10.00	5.00
	Std Error	1.02	0.92	0.48	4.33	3.46	1.00
	95% Low	2.20	4.83	5.23	0.00	3.21	3.04
	95% High	6.20	8.45	7.10	16.16	16.79	6.96
	HBW	0.57	0.90	0.84	1.04	1.36	0.68
	HBO	2.59	4.10	3.81	4.73	6.17	3.09
	NHB	1.04	1.64	1.52	1.89	2.47	1.24
TOTAL	Mean	2.67	5.88	3.83	6.00	11.57	5.15
	Std Error	0.57	0.96	0.98	3.46	1.70	1.08
	95% Low	1.55	4.00	1.91	0.00	8.23	3.02
	95% High	3.78	7.76	5.75	12.79	14.91	7.27
	HBW	0.36	0.80	0.52	0.82	1.57	0.70
	HBO	1.65	3.63	2.36	3.70	7.14	3.18
	NHB	0.66	1.45	0.95	1.48	2.86	1.27

Notes  averages for all Jefferson County multi-family households



Table 7-34

**Jefferson County Cent.**  
**All Households**  
**Trips Per Household**  
**N=359**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>20.6%</b>
<i>Home-based Other (HBO)</i>	<b>57.3%</b>
<i>Non-home-based (NHB)</i>	<b>22.1%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	0.78	2.00	3.36	6.19	10.11	0.91
	Std Error	0.29	1.15	0.77	1.13	1.48	0.29
	95% Low	0.22	0.00	1.85	3.97	7.22	0.35
	95% High	1.34	4.26	4.86	8.40	13.00	1.47
	HBW	0.16	0.41	0.69	1.28	2.08	0.19
	HBO	0.45	1.15	1.93	3.55	5.79	0.52
	NHB	0.17	0.44	0.74	1.37	2.23	0.20
1	Mean	2.89	3.70	6.73	10.33	13.00	3.98
	Std Error	0.28	0.59	1.70	2.96	2.27	0.39
	95% Low	2.34	2.55	3.40	4.53	8.55	3.22
	95% High	3.44	4.85	10.05	16.14	17.45	4.75
	HBW	0.60	0.76	1.39	2.13	2.68	0.82
	HBO	1.66	2.12	3.86	5.92	7.45	2.28
	NHB	0.64	0.82	1.49	2.28	2.87	0.88
2	Mean	2.94	5.96	7.69	11.43	14.80	7.32
	Std Error	0.63	0.54	0.85	1.24	2.83	0.48
	95% Low	1.70	4.90	6.03	9.00	9.26	6.38
	95% High	4.18	7.01	9.35	13.86	20.34	8.25
	HBW	0.61	1.23	1.58	2.35	3.05	1.51
	HBO	1.68	3.42	4.41	6.55	8.48	4.19
	NHB	0.65	1.32	1.70	2.53	3.27	1.62
3+	Mean	3.33	6.75	9.00	12.00	15.54	8.99
	Std Error	3.33	0.73	0.97	0.70	1.11	0.66
	95% Low	0.00	5.32	7.10	10.62	13.37	7.70
	95% High	9.87	8.18	10.90	13.38	17.71	10.28
	HBW	0.69	1.39	1.85	2.47	3.20	1.85
	HBO	1.91	3.87	5.16	6.88	8.90	5.15
	NHB	0.74	1.49	1.99	2.65	3.43	1.99
TOTAL	Mean	2.53	5.35	7.90	10.33	15.00	6.20
	Std Error	0.24	0.37	0.61	0.90	1.69	0.30
	95% Low	2.07	4.63	6.71	8.57	11.69	5.62
	95% High	3.00	6.07	9.10	12.09	18.31	6.78
	HBW	0.52	1.10	1.63	2.13	3.09	1.28
	HBO	1.45	3.07	4.53	5.92	8.60	3.55
	NHB	0.56	1.18	1.75	2.28	3.32	1.37


Notes  averages for all Jefferson County households

Table 7-35

**Jefferson County Cent.  
Single-Family  
Trips Per Household  
N=285**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>20.1%</b>
<i>Home-based Other (HBO)</i>	<b>57.8%</b>
<i>Non-home-based (NHB)</i>	<b>22.1%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	1.00	1.60	3.29	8.50	11.50	0.67
	Std Error	0.58	0.53	0.94	2.53	1.50	0.42
	95% Low	0.00	0.56	1.44	3.55	8.56	0.00
	95% High	2.13	2.64	5.14	13.45	14.44	1.49
	HBW	0.20	0.32	0.66	1.71	2.31	0.13
	HBO	0.58	0.92	1.90	4.91	6.65	0.39
	NHB	0.22	0.35	0.73	1.88	2.54	0.15
<b>1</b>	Mean	2.94	3.89	6.00	12.50	13.00	4.30
	Std Error	0.39	0.69	1.93	3.50	1.84	0.54
	95% Low	2.18	2.55	2.21	5.64	9.40	3.23
	95% High	3.70	5.24	9.79	19.36	16.60	5.36
	HBW	0.59	0.78	1.21	2.51	2.61	0.86
	HBO	1.70	2.25	3.47	7.23	7.51	2.49
	NHB	0.65	0.86	1.33	2.76	2.87	0.95
<b>2</b>	Mean	2.92	6.12	8.08	11.50	14.80	7.65
	Std Error	0.72	0.56	0.87	1.30	2.83	0.50
	95% Low	1.50	5.02	6.38	8.95	9.26	6.66
	95% High	4.33	7.22	9.78	14.05	20.34	8.64
	HBW	0.59	1.23	1.62	2.31	2.97	1.54
	HBO	1.69	3.54	4.67	6.65	8.55	4.42
	NHB	0.65	1.35	1.79	2.54	3.27	1.69
<b>3+</b>	Mean	3.33	6.75	9.17	9.06	14.45	9.04
	Std Error	3.33	0.73	1.00	1.44	2.19	0.67
	95% Low	0.00	5.32	7.22	6.23	10.16	7.74
	95% High	9.87	8.18	11.12	11.88	18.75	10.34
	HBW	0.67	1.36	1.84	1.82	2.90	1.82
	HBO	1.92	3.90	5.30	5.24	8.35	5.23
	NHB	0.74	1.49	2.03	2.00	3.19	2.00
<b>TOTAL</b>	Mean	2.81	5.64	8.17	10.45	15.00	7.03
	Std Error	0.34	0.40	0.63	0.94	1.69	0.34
	95% Low	2.13	4.86	6.93	8.61	11.69	6.36
	95% High	3.48	6.42	9.41	12.29	18.31	7.70
	HBW	0.56	1.13	1.64	2.10	3.02	1.41
	HBO	1.62	3.26	4.72	6.04	8.67	4.06
	NHB	0.62	1.25	1.81	2.31	3.32	1.55

Notes  averages for all Jefferson County single-family households

Table 7-36

**Jefferson County Cent.  
Multi-Family  
Trips Per Household  
N=74**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>25.3%</b>
<i>Home-based Other (HBO)</i>	<b>52.9%</b>
<i>Non-home-based (NHB)</i>	<b>21.7%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.71	3.00	3.72	4.86	7.67	1.00
	Std Error	0.34	1.00	0.87	1.12	2.60	0.37
	95% Low	0.05	1.04	2.01	2.66	2.56	0.28
	95% High	1.38	4.96	5.44	7.06	12.77	1.72
	HBW	0.18	0.76	0.94	1.23	1.94	0.25
	HBO	0.38	1.59	1.97	2.57	4.06	0.53
	NHB	0.15	0.65	0.81	1.05	1.66	0.22
<b>1</b>	Mean	2.83	3.11	7.60	8.33	14.14	3.49
	Std Error	0.41	1.17	3.14	1.43	7.35	0.52
	95% Low	2.04	0.81	1.45	5.53	0.00	2.46
	95% High	3.63	5.41	13.75	11.14	28.55	4.52
	HBW	0.72	0.79	1.92	2.11	3.58	0.88
	HBO	1.50	1.65	4.02	4.41	7.48	1.85
	NHB	0.61	0.67	1.65	1.81	3.07	0.76
<b>2</b>	Mean	3.00	3.25	3.00	10.75	13.50	3.67
	Std Error	1.41	1.25	1.00	1.66	2.53	0.89
	95% Low	0.23	0.80	1.04	7.51	8.55	1.92
	95% High	5.77	5.70	4.96	14.00	18.45	5.41
	HBW	0.76	0.82	0.76	2.72	3.42	0.93
	HBO	1.59	1.72	1.59	5.69	7.14	1.94
	NHB	0.65	0.71	0.65	2.33	2.93	0.80
<b>3+</b>	Mean	4.20	6.64	6.17	7.67	10.00	7.36
	Std Error	1.02	0.92	0.48	4.33	3.46	0.67
	95% Low	2.20	4.83	5.23	0.00	3.21	6.04
	95% High	6.20	8.45	7.10	16.16	16.79	8.68
	HBW	1.06	1.68	1.56	1.94	2.53	1.86
	HBO	2.22	3.51	3.26	4.06	5.29	3.89
	NHB	0.91	1.44	1.34	1.66	2.17	1.60
<b>TOTAL</b>	Mean	2.24	3.13	6.13	8.00	11.57	3.00
	Std Error	0.33	0.76	2.03	2.00	1.70	0.38
	95% Low	1.60	1.65	2.15	4.08	8.23	2.26
	95% High	2.89	4.61	10.10	11.92	14.91	3.74
	HBW	0.57	0.79	1.55	2.02	2.93	0.76
	HBO	1.18	1.66	3.24	4.23	6.12	1.59
	NHB	0.49	0.68	1.33	1.74	2.51	0.65

Notes  averages for all Jefferson County multi-family households

Table 7-37

**Jefferson County SE**  
**All Households**  
**Trips Per Household**  
**N=287**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>18.4%</b>
<i>Home-based Other (HBO)</i>	<b>56.6%</b>
<i>Non-home-based (NHB)</i>	<b>25.0%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.40	3.15	3.36	6.19	10.11	0.29
	Std Error	0.40	0.57	0.77	1.13	1.48	0.29
	95% Low	0.00	2.02	1.85	3.97	7.22	0.00
	95% High	1.18	4.27	4.86	8.40	13.00	0.85
	HBW	0.07	0.58	0.62	1.14	1.86	0.05
	HBO	0.23	1.78	1.90	3.50	5.72	0.16
	NHB	0.10	0.79	0.84	1.55	2.53	0.07
<b>1</b>	Mean	2.91	4.20	7.50	13.50	13.00	4.19
	Std Error	0.34	0.74	2.99	7.50	2.27	0.48
	95% Low	2.24	2.75	1.65	0.00	8.55	3.24
	95% High	3.58	5.65	13.35	28.20	17.45	5.14
	HBW	0.54	0.77	1.38	2.48	2.39	0.77
	HBO	1.65	2.38	4.25	7.64	7.36	2.37
	NHB	0.73	1.05	1.88	3.38	3.25	1.05
<b>2</b>	Mean	2.00	5.66	9.21	10.95	15.71	7.16
	Std Error	0.94	0.41	1.00	0.92	2.47	0.42
	95% Low	0.15	4.84	7.26	9.15	10.89	6.34
	95% High	3.85	6.47	11.16	12.76	20.55	7.99
	HBW	0.37	1.04	1.69	2.01	2.89	1.32
	HBO	1.13	3.20	5.21	6.20	8.89	4.05
	NHB	0.50	1.42	2.30	2.74	3.93	1.79
<b>3+</b>	Mean	6.67	7.12	9.60	14.17	19.71	10.86
	Std Error	0.67	1.27	1.36	1.77	2.96	0.93
	95% Low	5.36	4.63	6.93	10.70	13.92	9.05
	95% High	7.97	9.61	12.27	17.64	25.50	12.68
	HBW	1.23	1.31	1.77	2.61	3.63	2.00
	HBO	3.78	4.03	5.43	8.02	11.16	6.15
	NHB	1.67	1.78	2.40	3.54	4.93	2.72
<b>TOTAL</b>	Mean	2.76	5.53	9.23	12.17	16.82	6.99
	Std Error	0.32	0.36	0.80	0.89	1.76	0.34
	95% Low	2.13	4.83	7.66	10.42	13.38	6.31
	95% High	3.38	6.24	10.81	13.92	20.27	7.67
	HBW	0.51	1.02	1.70	2.24	3.09	1.29
	HBO	1.56	3.13	5.22	6.89	9.52	3.96
	NHB	0.69	1.38	2.31	3.04	4.21	1.75


Notes  averages for all Jefferson County households

Table 7-38

**Jefferson County SE**  
**Single-Family**  
**Trips Per Household**  
**N=250**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>17.9%</b>
<i>Home-based Other (HBO)</i>	<b>57.2%</b>
<i>Non-home-based (NHB)</i>	<b>24.9%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.82	1.60	3.29	8.50	11.50	0.00
	Std Error	0.19	0.53	0.94	2.53	1.50	0.00
	95% Low	0.45	0.56	1.44	3.55	8.56	
	95% High	1.20	2.64	5.14	13.45	14.44	
	HBW	0.15	0.29	0.59	1.52	2.06	0.00
	HBO	0.47	0.92	1.88	4.86	6.58	0.00
	NHB	0.20	0.40	0.82	2.12	2.86	0.00
<b>1</b>	Mean	3.28	4.47	7.50	13.50	13.00	4.85
	Std Error	0.46	0.86	2.99	7.50	1.84	0.63
	95% Low	2.37	2.78	1.65	1.20	9.40	3.62
	95% High	4.18	6.15	13.35	28.20	16.60	6.08
	HBW	0.59	0.80	1.34	2.42	2.33	0.87
	HBO	1.88	2.56	4.29	7.72	7.44	2.77
	NHB	0.82	1.11	1.87	3.36	3.24	1.21
<b>2</b>	Mean	2.00	5.80	9.21	10.81	15.71	7.33
	Std Error	1.07	0.45	1.00	0.96	2.47	0.44
	95% Low	0.00	4.93	7.26	8.94	10.88	6.47
	95% High	4.10	6.68	11.16	12.68	20.55	8.19
	HBW	0.36	1.04	1.65	1.93	2.81	1.31
	HBO	1.14	3.32	5.27	6.18	8.99	4.19
	NHB	0.50	1.44	2.29	2.69	3.91	1.83
<b>3+</b>	Mean	2.80	7.44	9.60	14.73	19.71	11.13
	Std Error	1.08	1.31	1.36	1.84	2.96	0.96
	95% Low	0.68	4.87	6.93	11.12	13.92	9.25
	95% High	4.92	10.01	12.27	18.33	25.51	13.00
	HBW	0.50	1.33	1.72	2.64	3.53	1.99
	HBO	1.60	4.26	5.49	8.43	11.27	6.37
	NHB	0.70	1.85	2.39	3.67	4.91	2.77
<b>TOTAL</b>	Mean	3.00	5.76	9.23	12.24	16.82	7.54
	Std Error	0.41	0.39	0.80	0.94	1.76	0.38
	95% Low	2.19	4.99	7.66	10.40	13.38	6.80
	95% High	3.81	6.53	10.81	14.07	20.27	8.27
	HBW	0.54	1.03	1.65	2.19	3.01	1.35
	HBO	1.72	3.29	5.28	7.00	9.62	4.31
	NHB	0.75	1.43	2.30	3.05	4.19	1.88

Notes  averages for all Jefferson County single-family households

Table 7-39

**Jefferson County SE**  
**Multi-Family**  
**Trips Per Household**  
**N=37**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>25.4%</b>
<i>Home-based Other (HBO)</i>	<b>47.5%</b>
<i>Non-home-based (NHB)</i>	<b>27.0%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	0.98	4.37	3.72	4.86	7.67	0.67
	Std Error	0.14	0.85	0.87	1.12	2.60	0.67
	95% Low	0.71	2.71	2.01	2.66	2.56	0.00
	95% High	1.25	6.03	5.44	7.06	12.77	1.97
	HBW	0.25	1.11	0.94	1.23	1.95	0.17
	HBO	0.47	2.08	1.77	2.31	3.64	0.32
	NHB	0.26	1.18	1.00	1.31	2.07	0.18
<b>1</b>	Mean	2.25	3.40	5.85	8.33	14.14	2.52
	Std Error	0.46	1.54	1.18	1.43	7.35	0.50
	95% Low	1.35	0.39	3.54	5.53	0.00	1.55
	95% High	3.15	6.41	8.16	11.14	28.55	3.50
	HBW	0.57	0.86	1.49	2.12	3.59	0.64
	HBO	1.07	1.62	2.78	3.96	6.72	1.20
	NHB	0.61	0.92	1.58	2.25	3.82	0.68
<b>2</b>	Mean	2.76	4.13	6.32	10.75	13.50	4.90
	Std Error	0.62	0.81	0.78	1.66	2.53	1.22
	95% Low	1.55	2.53	4.80	7.51	8.55	2.52
	95% High	3.98	5.72	7.84	14.00	18.45	7.28
	HBW	0.70	1.05	1.61	2.73	3.43	1.24
	HBO	1.31	1.96	3.00	5.11	6.41	2.33
	NHB	0.75	1.12	1.71	2.90	3.65	1.32
<b>3+</b>	Mean	4.20	6.64	6.17	7.67	10.00	6.00
	Std Error	1.02	0.92	0.48	4.33	3.46	2.00
	95% Low	2.20	4.83	5.23	0.00	3.21	2.08
	95% High	6.20	8.45	7.10	16.16	16.79	9.92
	HBW	1.07	1.69	1.57	1.95	2.54	1.52
	HBO	2.00	3.15	2.93	3.64	4.75	2.85
	NHB	1.13	1.79	1.67	2.07	2.70	1.62
<b>TOTAL</b>	Mean	2.29	3.71	6.63	11.00	11.57	3.30
	Std Error	0.47	0.70	0.53	3.00	1.70	0.51
	95% Low	1.36	2.34	5.60	5.12	8.23	2.30
	95% High	3.21	5.08	7.66	16.88	14.91	4.29
	HBW	0.58	0.94	1.68	2.79	2.94	0.84
	HBO	1.09	1.76	3.15	5.23	5.50	1.57
	NHB	0.62	1.00	1.79	2.97	3.12	0.89

Notes  averages for all Jefferson County multi-family households

Table 7-40

**Jefferson County NE**  
**All Households**  
**Trips Per Household**  
**N=293**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>16.3%</b>
<i>Home-based Other (HBO)</i>	<b>58.5%</b>
<i>Non-home-based (NHB)</i>	<b>25.1%</b>

		<b>Persons in Household</b>					<b>TOTAL</b>
<b>Vehicles</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>	
<b>0</b>	Mean	1.40	2.93	3.12	6.50	11.67	11.67
	Std Error	0.60	0.51	0.66	1.47	0.88	0.88
	95% Low	0.22	1.93	1.82	3.61	9.94	9.94
	95% High	2.58	3.92	4.42	9.39	13.40	13.40
	HBW	0.23	0.48	0.51	1.06	1.90	1.90
	HBO	0.82	1.71	1.83	3.80	6.83	6.83
	NHB	0.35	0.74	0.78	1.63	2.93	2.93
<b>1</b>	Mean	3.48	5.84	6.50	10.64	13.00	4.76
	Std Error	0.38	1.23	1.50	1.36	2.27	0.65
	95% Low	2.73	3.43	3.56	7.98	8.55	3.49
	95% High	4.22	8.25	9.44	13.30	17.45	6.03
	HBW	0.57	0.95	1.06	1.73	2.12	0.78
	HBO	2.04	3.42	3.80	6.22	7.61	2.78
	NHB	0.87	1.47	1.63	2.67	3.26	1.19
<b>2</b>	Mean	4.08	6.33	8.52	11.38	14.42	7.56
	Std Error	1.01	0.41	0.70	1.39	1.04	0.40
	95% Low	2.10	5.53	7.14	8.64	12.39	6.77
	95% High	6.06	7.12	9.90	14.11	16.45	8.34
	HBW	0.67	1.03	1.39	1.85	2.35	1.23
	HBO	2.39	3.70	4.98	6.66	8.44	4.42
	NHB	1.02	1.59	2.14	2.86	3.62	1.90
<b>3+</b>	Mean	3.27	6.86	10.12	13.60	19.36	11.34
	Std Error	0.80	1.08	1.00	1.83	2.94	0.94
	95% Low	1.71	4.73	8.15	10.01	13.60	9.49
	95% High	4.83	8.98	12.08	17.19	25.13	13.19
	HBW	0.53	1.12	1.65	2.22	3.16	1.85
	HBO	1.91	4.01	5.92	7.96	11.33	6.63
	NHB	0.82	1.72	2.54	3.41	4.86	2.85
<b>TOTAL</b>	Mean	3.43	6.28	9.02	12.03	16.38	7.66
	Std Error	0.34	0.37	0.57	1.10	2.21	0.36
	95% Low	2.76	5.55	7.91	9.87	12.04	6.95
	95% High	4.11	7.01	10.13	14.18	20.72	8.36
	HBW	0.56	1.02	1.47	1.96	2.67	1.25
	HBO	2.01	3.67	5.28	7.04	9.58	4.48
	NHB	0.86	1.58	2.26	3.02	4.11	1.92


Notes  averages for all Jefferson County households

Table 7-41

**Jefferson County NE**  
**Single-Family**  
**Trips Per Household**  
**N=240**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>16.3%</b>
<i>Home-based Other (HBO)</i>	<b>59.3%</b>
<i>Non-home-based (NHB)</i>	<b>24.4%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	0.98	2.93	3.12	6.50	11.67	2.50
	Std Error	0.11	0.51	0.66	1.47	0.88	2.50
	95% Low	0.77	1.93	1.82	3.61	9.94	0.00
	95% High	1.19	3.92	4.42	9.39	13.40	7.40
	HBW	0.16	0.48	0.51	1.06	1.90	0.41
	HBO	0.58	1.74	1.85	3.85	6.92	1.48
	NHB	0.24	0.71	0.76	1.59	2.85	0.61
1	Mean	3.86	6.92	7.05	11.37	13.00	5.11
	Std Error	0.43	1.63	0.77	1.70	1.84	0.68
	95% Low	3.01	3.72	5.53	8.01	9.40	3.78
	95% High	4.70	10.13	8.56	14.72	16.60	6.44
	HBW	0.63	1.13	1.15	1.85	2.12	0.83
	HBO	2.29	4.10	4.18	6.74	7.71	3.03
	NHB	0.94	1.69	1.72	2.77	3.17	1.25
2	Mean	4.20	6.48	9.09	11.38	10.38	7.81
	Std Error	1.22	0.44	0.72	1.39	2.81	0.43
	95% Low	1.81	5.63	7.68	8.64	4.87	6.96
	95% High	6.59	7.33	10.50	14.11	15.88	8.65
	HBW	0.68	1.06	1.48	1.85	1.69	1.27
	HBO	2.49	3.84	5.39	6.75	6.16	4.63
	NHB	1.02	1.58	2.22	2.78	2.53	1.91
3+	Mean	2.80	7.10	10.38	13.60	19.36	11.69
	Std Error	1.08	1.11	1.03	1.83	2.94	0.97
	95% Low	0.68	4.93	8.35	10.01	13.60	9.80
	95% High	4.92	9.27	12.40	17.19	25.13	13.59
	HBW	0.46	1.16	1.69	2.22	3.16	1.91
	HBO	1.66	4.21	6.16	8.06	11.48	6.93
	NHB	0.68	1.73	2.53	3.32	4.72	2.85
TOTAL	Mean	3.84	6.63	9.46	12.23	15.58	8.36
	Std Error	0.48	0.41	0.58	1.11	2.27	0.39
	95% Low	2.90	5.84	8.32	10.06	11.12	7.59
	95% High	4.78	7.43	10.60	14.40	20.03	9.14
	HBW	0.63	1.08	1.54	1.99	2.54	1.36
	HBO	2.28	3.93	5.61	7.25	9.24	4.96
	NHB	0.94	1.62	2.31	2.98	3.80	2.04

Notes  averages for all Jefferson County single-family households



Table 7-42

**Jefferson County NE**  
**Multi-Family**  
**Trips Per Household**  
**N=53**

<u>Trip Purpose</u>	<u>% of all trips</u>
<i>Home-based Work (HBW)</i>	<b>16.5%</b>
<i>Home-based Other (HBO)</i>	<b>52.1%</b>
<i>Non-home-based (NHB)</i>	<b>31.4%</b>

		Persons in Household					TOTAL
Vehicles		1	2	3	4	5+	
0	Mean	1.75	4.37	3.72	4.86	7.67	1.40
	Std Error	0.63	0.85	0.87	1.12	2.60	0.60
	95% Low	0.52	2.71	2.01	2.66	2.56	0.22
	95% High	2.98	6.03	5.44	7.06	12.77	2.58
	HBW	0.29	0.72	0.61	0.80	1.27	0.23
	HBO	0.91	2.28	1.94	2.53	4.00	0.73
	NHB	0.55	1.37	1.17	1.53	2.41	0.44
1	Mean	3.05	3.50	5.85	8.33	14.14	4.30
	Std Error	0.64	1.31	1.18	1.43	7.35	1.22
	95% Low	1.80	0.93	3.54	5.53	0.00	1.90
	95% High	4.30	6.07	8.16	11.14	28.55	6.69
	HBW	0.50	0.58	0.97	1.37	2.33	0.71
	HBO	1.59	1.82	3.05	4.34	7.37	2.24
	NHB	0.96	1.10	1.84	2.62	4.44	1.35
2	Mean	3.50	5.27	5.25	10.75	13.50	5.61
	Std Error	0.50	1.12	1.70	1.66	2.53	0.94
	95% Low	2.52	3.08	1.91	7.51	8.55	3.76
	95% High	4.48	7.47	8.59	14.00	18.45	7.46
	HBW	0.58	0.87	0.87	1.77	2.23	0.93
	HBO	1.82	2.75	2.74	5.60	7.03	2.92
	NHB	1.10	1.65	1.65	3.38	4.24	1.76
3+	Mean	4.20	6.64	6.17	7.67	10.00	4.00
	Std Error	1.02	0.92	0.48	4.33	3.46	1.15
	95% Low	2.20	4.83	5.23	0.00	3.21	1.74
	95% High	6.20	8.45	7.10	16.16	16.79	6.26
	HBW	0.69	1.10	1.02	1.27	1.65	0.66
	HBO	2.19	3.46	3.21	4.00	5.21	2.08
	NHB	1.32	2.08	1.94	2.41	3.14	1.26
TOTAL	Mean	2.92	4.26	5.40	9.31	11.57	4.45
	Std Error	0.48	0.82	1.33	0.93	1.70	0.71
	95% Low	1.98	2.66	2.80	7.49	8.23	3.05
	95% High	3.87	5.86	8.00	11.13	14.91	5.85
	HBW	0.48	0.70	0.89	1.54	1.91	0.73
	HBO	1.52	2.22	2.81	4.85	6.03	2.32
	NHB	0.92	1.34	1.70	2.92	3.63	1.40

Notes  averages for all Jefferson County multi-family households



## Chapter Eight

# *Analysis of Trip Length*



### Overview

This chapter contains analyses of trip length data that was gathered from the household travel survey. The trip length data in this chapter only reflects the travel for residents of Bullitt, Jefferson, and Oldham counties in Kentucky and Floyd and Clark counties in Indiana. Trips generated by persons who live outside the five-county area are not reflected in this analysis.

The two major types of information that are provided in this chapter include:

- Trip length distributions in 5-minute intervals by trip purpose (HBW, HBO, NHB) for the entire region, each county, and Jefferson County CCD's (see Tables 8-1 through 8-8) and
- The mean trip length in minutes by trip purpose (HBW, HBO, NHB) for the entire region, each county, and Jefferson County CCD's (see Figures 8-1 through 8-13).

Trip length distributions for 1-minute intervals are provided by trip purpose for all levels of geography in Appendix A to this report.

**Interpreting Trip Lengths.** Travel survey participants were asked to record the starting and ending times for each of their trips. Since most survey participants rounded the starting and ending times for their trips to the nearest 5-minute increment, the trip length distributions do not represent the exact length of time that each trip took to complete. For example, a person may have left his/her home at 10:31 in the morning and arrived at a daycare three minutes and 50 seconds later. Rather than recording the exact travel time, many survey participants would have recorded the starting time as 10:30 and the ending time as 10:35. Although the trip lengths are not exact, they are very close approximations of actual travel times and can be used to calibrate regional transportation models.

### Findings

**All Trips.** The mean trip length for all trips completed by residents of the five-county region was 18.91 minutes. Bullitt County had the longest average (20.76 minutes); Floyd County had the shortest average (18.13 minutes). The length of all trips completed by residents of Jefferson County ranged from a high of 19.15 minutes in the Jefferson Southeast CCD to a low of 17.60 minutes in the Louisville East CCD. Other findings include:

- More than thirty-seven percent (37.1%) of all trips completed by residents of the five-county region were 10 minutes or less.
- Almost twenty-four percent (23.5%) of all trips completed by residents of the five-county region were more than 25 minutes.

**Home-based Work (HBW) Trips.** The mean trip length for all HBW trips completed by residents of the five-county region was 23.99 minutes. HBW trips are those that either begin at the home and end at work or begin at work and end at the home. Oldham County had the longest average (27.36 minutes); Floyd County had the shortest average (22.34 minutes). The length of HBW trips completed by residents of Jefferson County ranged from a high of 24.66 minutes in the Jefferson Northeast CCD to a low of 20.25 minutes in the Louisville East CCD.

Other findings include:

- Less than eighteen percent (17.9%) of all HBW trips completed by residents of the five-county region were 10 minutes or less.
- Almost forty-one percent (40.7%) of all HBW trips completed by residents of the five-county region were more than 25 minutes.

**Home-based Other (HBO) Trips.** The mean trip length for all HBO trips completed by residents of the five-county region was 16.93 minutes. HBO trips are those that either begin or end at the home but do not involve a stop at the work place. Bullitt County had the longest average (19.43 minutes); Floyd County had the shortest average (16.70 minutes). The length of HBO trips completed by residents of Jefferson County ranged from a high of 18.22 minutes in the Jefferson Southeast CCD to a low of 15.87 minutes in the Louisville East CCD.

Other findings include:

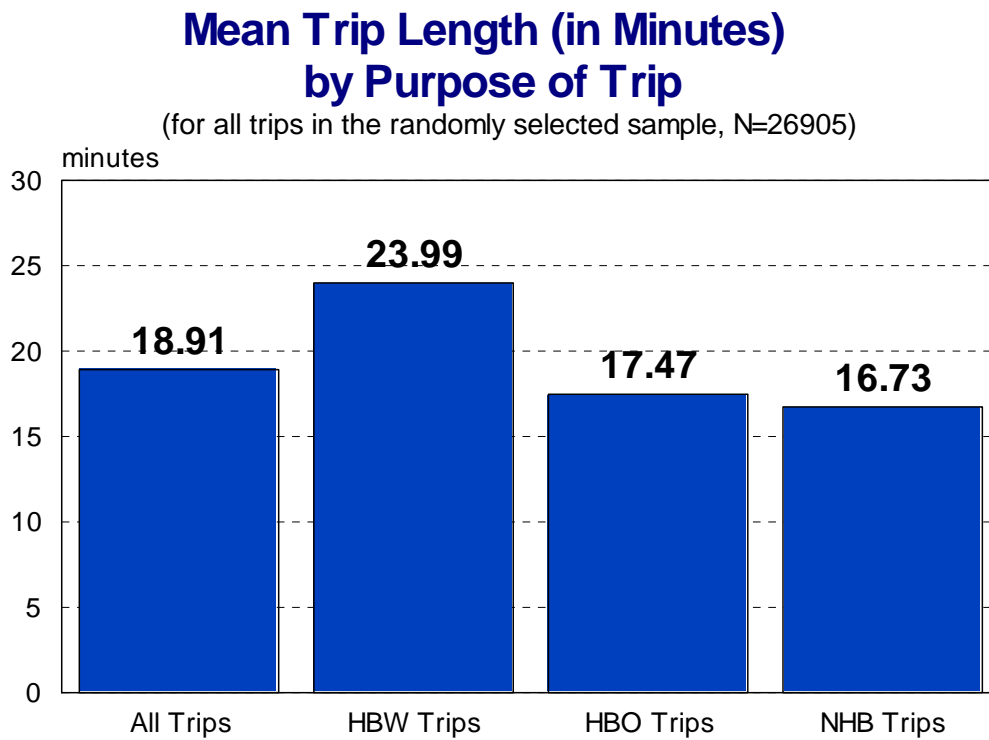
- More than forty-one percent (41.2%) of all HBO trips completed by residents of the five-county region were 10 minutes or less.
- Less than twenty percent (19.4%) of all HBO trips completed by residents of the five-county region were more than 25 minutes.

**Non-home-based (NHB) Trips.** The mean trip length for all NHB trips completed by residents of the five-county region was 16.73 minutes. NHB trips are those that do not involve a stop at the home. Bullitt County had the longest average (17.69 minutes); Clark County had the shortest average (15.70 minutes). The length of NHB trips completed by residents of Jefferson County ranged from a high of 18.10 minutes in the Louisville South CCD to a low of 15.16 minutes in the Louisville Central CCD.

Other findings include:

- Almost forty-five percent (44.4%) of all NHB trips completed by residents of the five-county region were 10 minutes or less.
- Less than eighteen percent (17.7%) of all NHB trips completed by residents of the five-county region were more than 25 minutes.

Figure 8-1

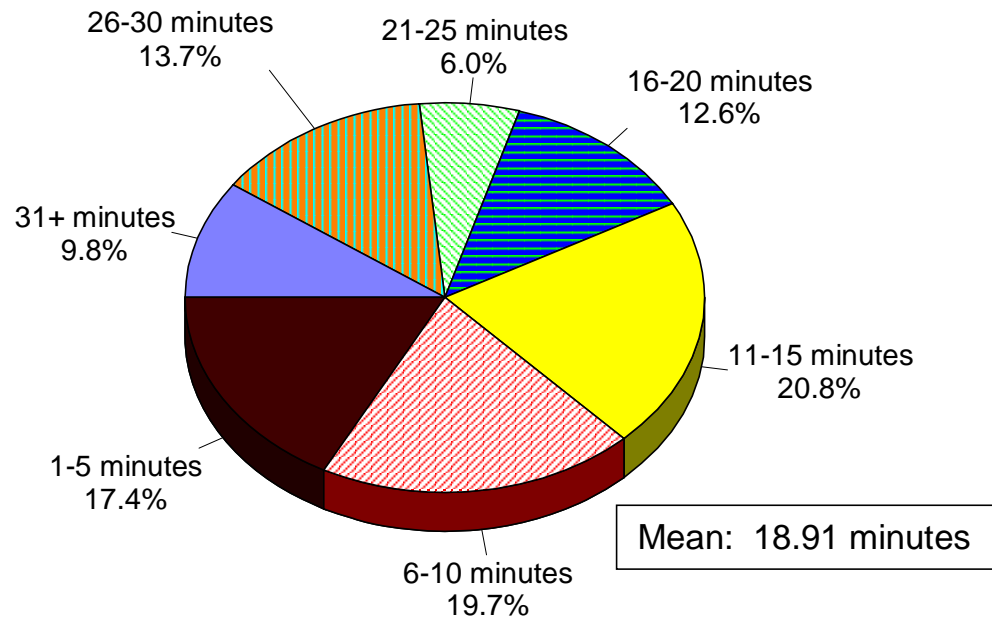


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 8-2

### Trip Length Distribution for All Trips by Residents of the 5-County Region

(by percentage of all trips in the randomly selected sample, N=26905)

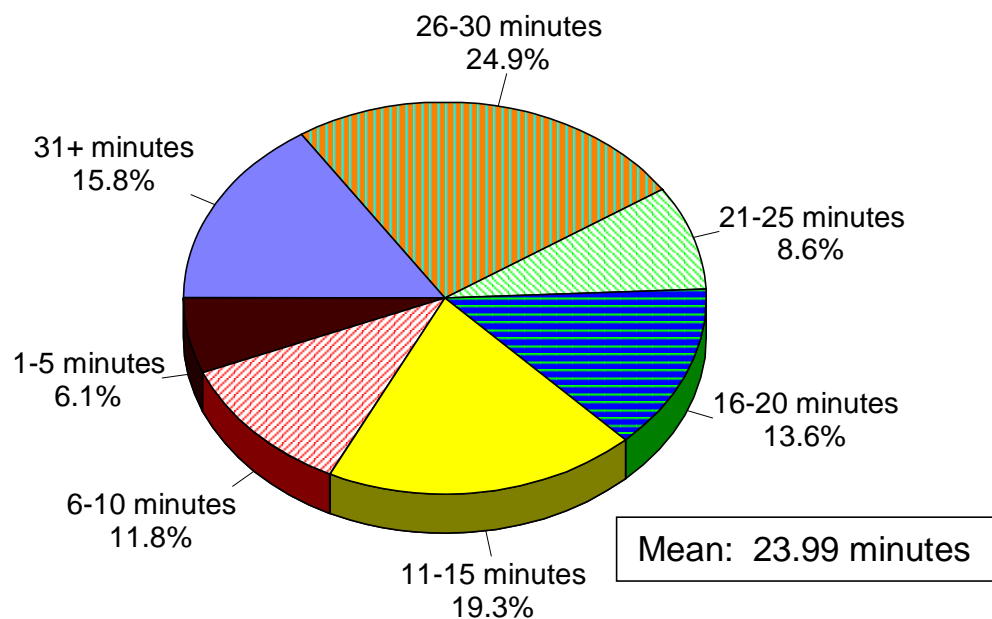


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 8-3

### Trip Length Distribution for HBW Trips by Residents of the 5-County Region

(by percentage of all trips in the randomly selected sample, N=5098)



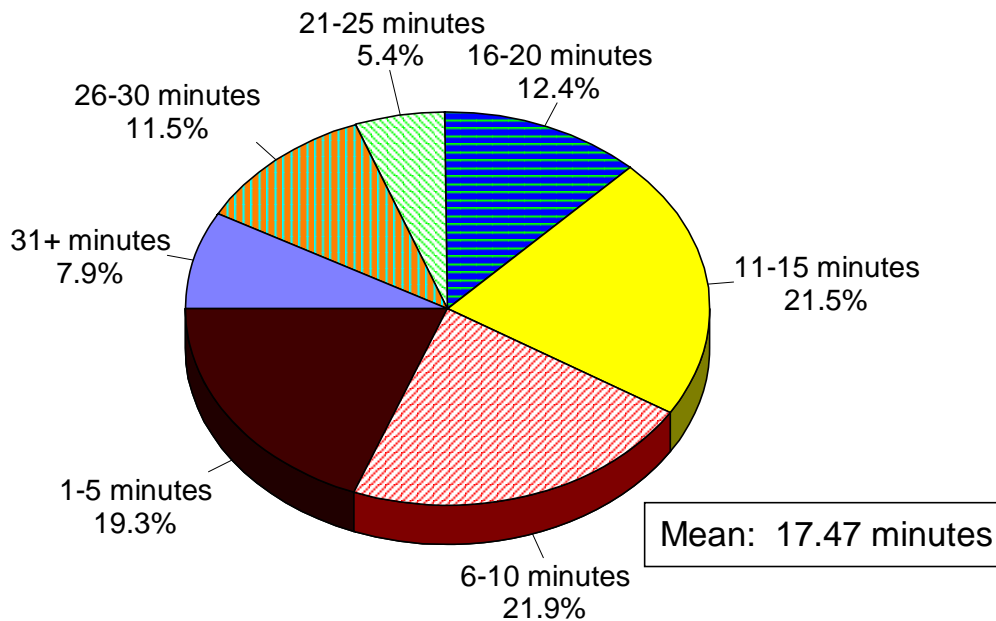
Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)



Figure 8-4

### Trip Length Distribution for HBO Trips by Residents of the 5-County Region

(by percentage of all trips in the randomly selected sample, N=15638)

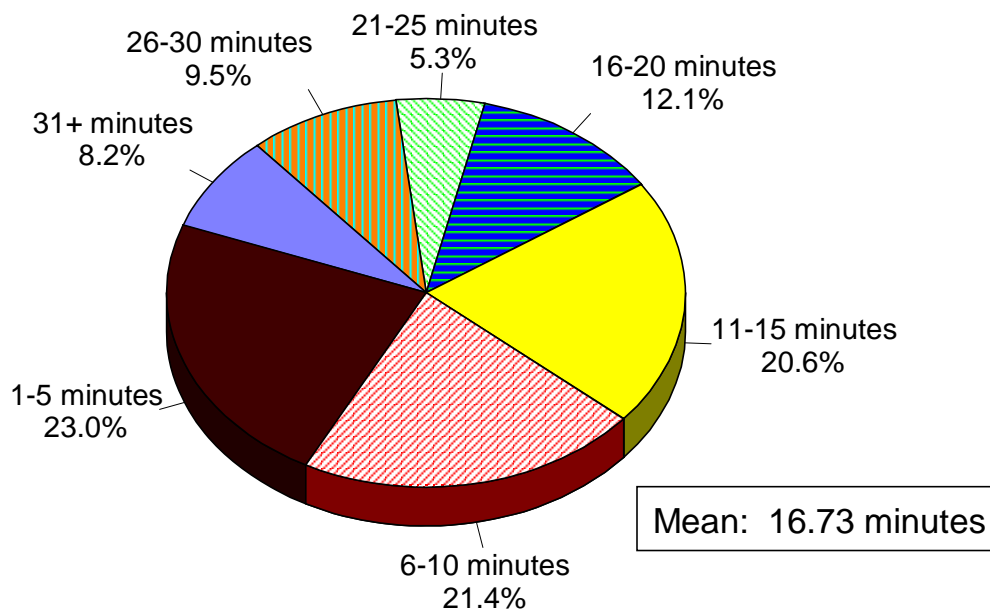


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 8-5

### Trip Length Distribution for NHB Trips by Residents of the 5-County Region

(by percentage of all trips in the randomly selected sample, N=6169)

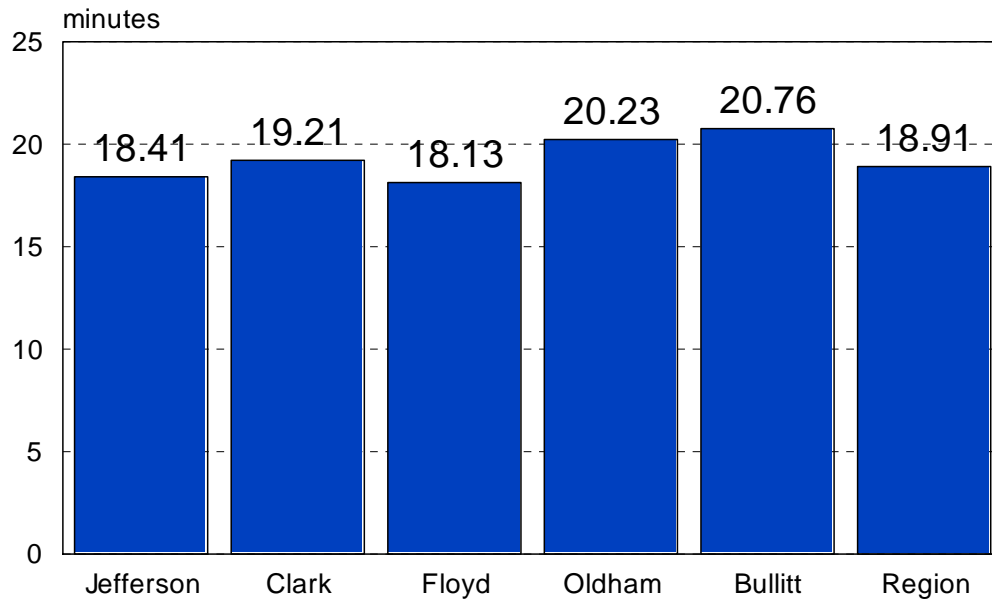


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 8-6

### Mean Trip Length (in Minutes) for All Trips by County

For All Trips Taken By Persons in the Randomly Selected Sample of Households (N=26905 trips)

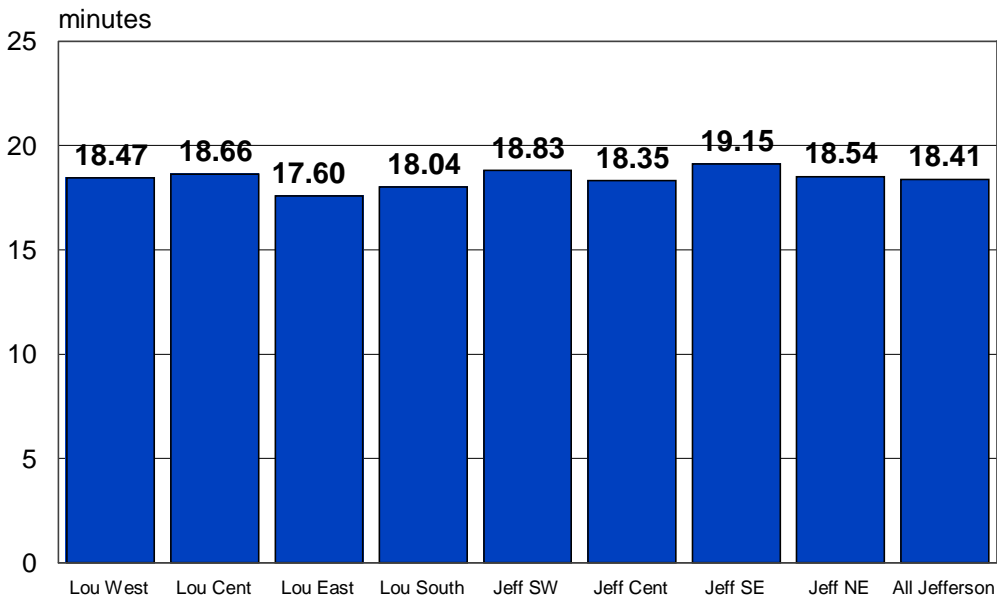


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 8-7

### Mean Trip Length (in Minutes) for All Trips by Jefferson CCD

For All Trips Taken By Persons in the Randomly Selected Sample of Households (N=15485 trips)

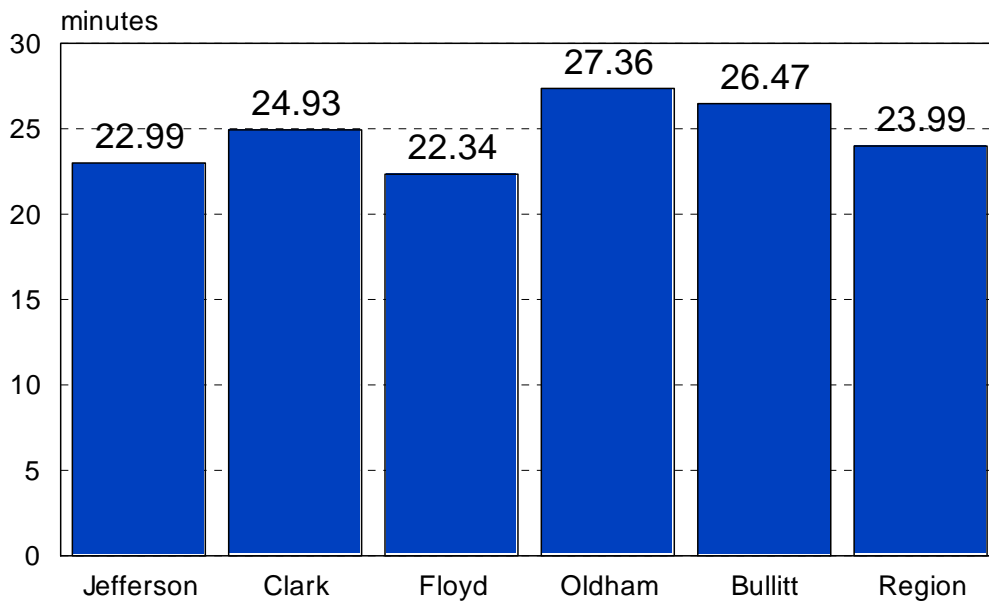


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 8-8

### Mean Trip Length (in Minutes) for Home-Based Work Trips by County

For All Trips Taken By Persons in the Randomly Selected Sample of Households (N=5098 trips)

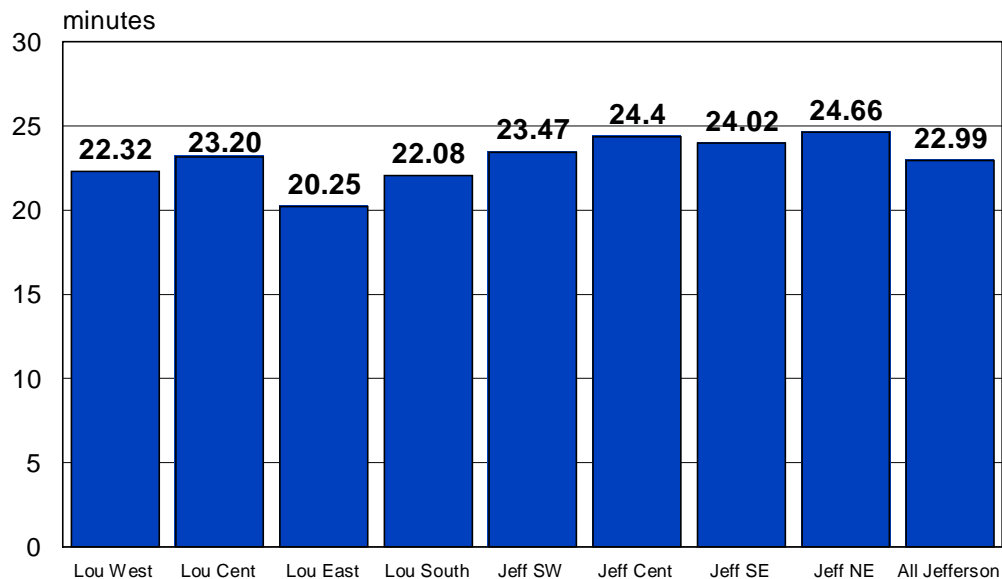


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 8-9

### Mean Trip Length (in Minutes) for Home-Based Work Trips by Jefferson CCD

For All Trips Taken By Persons in the Randomly Selected Sample of Households (N=2850 trips)

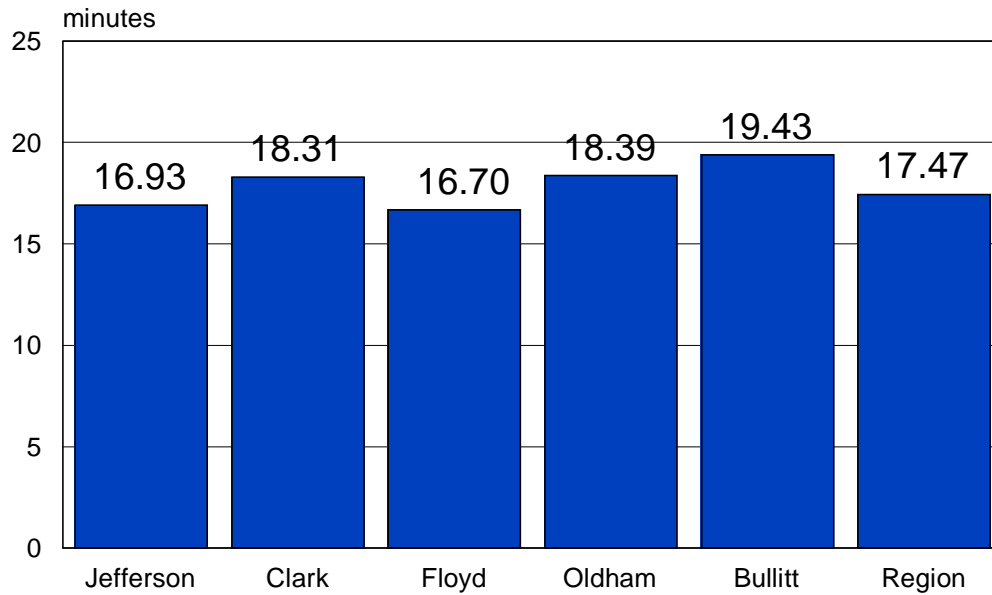


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 8-10

### Mean Trip Length (in Minutes) for Home-Based Other Trips by County

For All Trips Taken By Persons in the Randomly Selected Sample of Households (N=15638 trips)

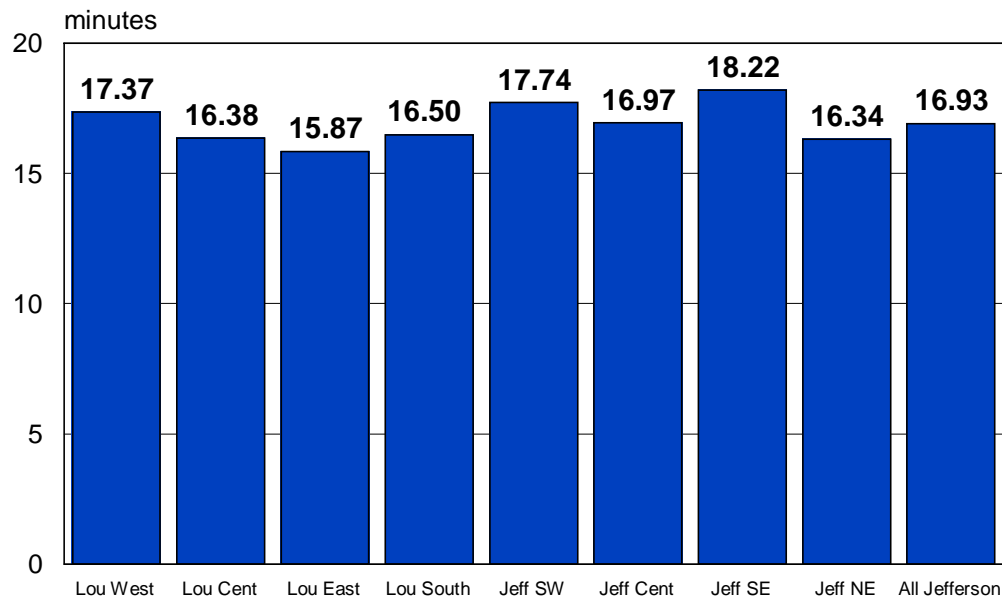


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 8-11

### Mean Trip Length (in Minutes) for Home-Based Other Trips by Jefferson CCD

For All Trips Taken By Persons in the Randomly Selected Sample of Households (N=9078 trips)

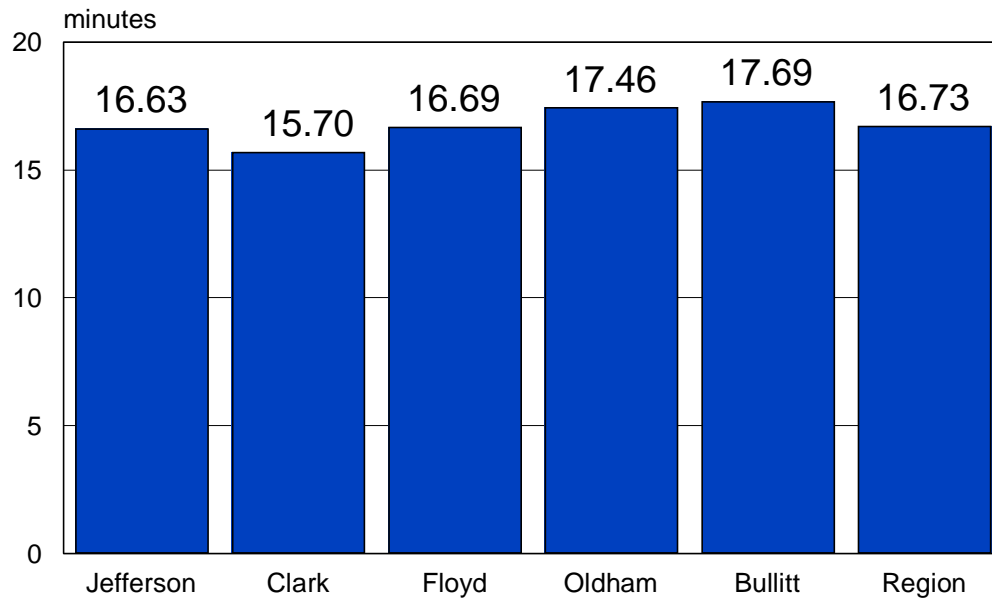


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 8-12

### Mean Trip Length (in Minutes) for Non-Home Based Work Trips by County

For All Trips Taken By Persons in the Randomly Selected Sample of Households (N=6169 trips)

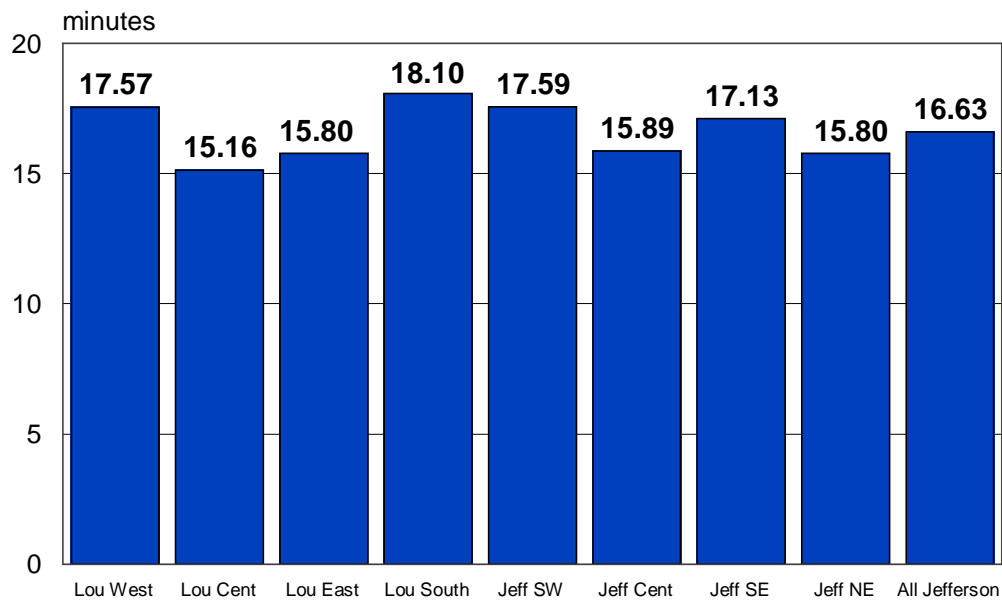


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 8-13

### Mean Trip Length (in Minutes) for Non-Home Based Work Trips by Jefferson CCD

For All Trips Taken By Persons in the Randomly Selected Sample of Households (N=3557 trips)



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Table 8-1

**5-Minute Trip Length Distributions ALL TRIPS By County**

N=26905 trips

	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>new time (minutes)</u>						
1-5 minutes	2498 17.3%	532 19.6%	461 17.7%	401 14.2%	467 18.5%	4359 17.4%
6-10 minutes	3012 20.9%	466 17.2%	505 19.4%	535 18.9%	424 16.8%	4942 19.7%
11-15 minutes	3057 21.2%	578 21.3%	636 24.5%	520 18.4%	420 16.6%	5211 20.8%
16-20 minutes	1905 13.2%	308 11.4%	302 11.6%	364 12.9%	270 10.7%	3149 12.6%
21-25 minutes	866 6.0%	131 4.8%	164 6.3%	190 6.7%	162 6.4%	1513 6.0%
26-30 minutes	1841 12.8%	416 15.4%	308 11.9%	475 16.8%	401 15.9%	3441 13.7%
31-35 minutes	232 1.6%	51 1.9%	55 2.1%	83 2.9%	83 3.3%	504 2.0%
36-40 minutes	225 1.6%	49 1.8%	36 1.4%	73 2.6%	94 3.7%	477 1.9%
41-45 minutes	287 2.0%	77 2.8%	66 2.5%	94 3.3%	106 4.2%	630 2.5%
46-50 minutes	85 0.6%	19 0.7%	8 0.3%	15 0.5%	22 0.9%	149 0.6%
51-55 minutes	32 0.2%	6 0.2%	3 0.1%	7 0.2%	8 0.3%	56 0.2%
56-60 minutes	169 1.2%	36 1.3%	18 0.7%	31 1.1%	33 1.3%	287 1.1%
61 minutes or more	190 1.3%	41 1.5%	36 1.4%	39 1.4%	36 1.4%	342 1.4%

Missing cases = 1,845

Table 8-2

**5-Minute Trip Length Distributions ALL TRIPS By Jefferson CCD**

N=15485 trips

	geography residence								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>new time (minutes)</u>									
1-5 minutes	251 20.1%	128 19.1%	432 16.8%	284 17.7%	444 19.0%	330 16.0%	292 16.1%	337 16.3%	2498 17.3%
6-10 minutes	233 18.6%	144 21.5%	583 22.6%	349 21.7%	415 17.7%	415 20.1%	388 21.3%	485 23.4%	3012 20.9%
11-15 minutes	236 18.9%	145 21.6%	658 25.5%	297 18.5%	528 22.5%	422 20.5%	360 19.8%	411 19.9%	3057 21.2%
16-20 minutes	160 12.8%	81 12.1%	372 14.4%	224 13.9%	244 10.4%	306 14.8%	231 12.7%	287 13.9%	1905 13.2%
21-25 minutes	81 6.5%	25 3.7%	137 5.3%	99 6.2%	133 5.7%	121 5.9%	139 7.6%	131 6.3%	866 6.0%
26-30 minutes	161 12.9%	93 13.9%	246 9.5%	211 13.1%	355 15.2%	288 14.0%	229 12.6%	258 12.5%	1841 12.8%
31-35 minutes	27 2.2%	4 0.6%	34 1.3%	29 1.8%	38 1.6%	34 1.6%	34 1.9%	32 1.5%	232 1.6%
36-40 minutes	19 1.5%	7 1.0%	15 0.6%	33 2.1%	49 2.1%	39 1.9%	33 1.8%	30 1.4%	225 1.6%
41-45 minutes	33 2.6%	12 1.8%	36 1.4%	35 2.2%	52 2.2%	42 2.0%	41 2.3%	36 1.7%	287 2.0%
46-50 minutes	11 0.9%	4 0.6%	10 0.4%	10 0.6%	15 0.6%	18 0.9%	8 0.4%	9 0.4%	85 0.6%
51-55 minutes	2 0.2%	2 0.3%	4 0.2%	5 0.3%	7 0.3%	4 0.2%	5 0.3%	3 0.1%	32 0.2%
56-60 minutes	22 1.8%	17 2.5%	26 1.0%	13 0.8%	26 1.1%	28 1.4%	18 1.0%	19 0.9%	169 1.2%
61 minutes or more	15 1.2%	9 1.3%	24 0.9%	17 1.1%	37 1.6%	16 0.8%	41 2.3%	31 1.5%	190 1.3%

Missing cases = 1,086

Table 8-3

**5-Minute Trip Length Distributions – Home-based Work (HBW) Trips Only By County**

N=5098 trips

	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>new time (minutes)</u>						
1-5 minutes	140 5.1%	47 8.2%	46 8.3%	31 5.6%	37 7.3%	301 6.1%
6-10 minutes	383 13.9%	53 9.3%	76 13.7%	37 6.7%	33 6.5%	582 11.8%
11-15 minutes	586 21.2%	104 18.2%	110 19.8%	68 12.3%	85 16.7%	953 19.3%
16-20 minutes	417 15.1%	86 15.1%	65 11.7%	65 11.7%	39 7.7%	672 13.6%
21-25 minutes	240 8.7%	38 6.7%	64 11.5%	47 8.5%	39 7.7%	428 8.6%
26-30 minutes	637 23.1%	142 24.9%	114 20.5%	183 33.0%	154 30.3%	1230 24.9%
31-35 minutes	81 2.9%	23 4.0%	21 3.8%	30 5.4%	32 6.3%	187 3.8%
36-40 minutes	71 2.6%	14 2.5%	18 3.2%	25 4.5%	30 5.9%	158 3.2%
41-45 minutes	90 3.3%	27 4.7%	28 5.0%	36 6.5%	41 8.1%	222 4.5%
46-50 minutes	15 0.5%	5 0.9%	0 0.0%	4 0.7%	7 1.4%	31 0.6%
51-55 minutes	8 0.3%	3 0.5%	2 0.4%	3 0.5%	4 0.8%	20 0.4%
56-60 minutes	58 2.1%	17 3.0%	9 1.6%	16 2.9%	4 0.8%	104 2.1%
61 minutes or more	32 1.2%	12 2.1%	3 0.5%	10 1.8%	4 0.8%	61 1.2%

Missing cases = 149



Table 8-4

**5-Minute Trip Length Distributions – Home-based Work (HBW) Trips By Jefferson CCD**

N=2850 trips

	geography residence								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>new time (minutes)</u>									
1-5 minutes	14 5.3%	15 9.3%	30 6.3%	12 3.6%	23 6.1%	13 2.9%	17 4.9%	16 4.6%	140 5.1%
6-10 minutes	43 16.2%	19 11.8%	70 14.7%	47 14.0%	54 14.3%	55 12.3%	42 12.0%	53 15.2%	383 13.9%
11-15 minutes	63 23.8%	37 23.0%	141 29.7%	76 22.6%	71 18.8%	90 20.2%	63 18.0%	45 12.9%	586 21.2%
16-20 minutes	42 15.8%	22 13.7%	94 19.8%	45 13.4%	40 10.6%	69 15.5%	55 15.7%	50 14.4%	417 15.1%
21-25 minutes	22 8.3%	11 6.8%	31 6.5%	31 9.2%	38 10.1%	30 6.7%	41 11.7%	36 10.3%	240 8.7%
26-30 minutes	44 16.6%	40 24.8%	76 16.0%	91 27.1%	95 25.2%	120 26.9%	80 22.9%	91 26.1%	637 23.1%
31-35 minutes	5 1.9%	0 0.0%	7 1.5%	15 4.5%	10 2.7%	14 3.1%	13 3.7%	17 4.9%	81 2.9%
36-40 minutes	7 2.6%	2 1.2%	1 0.2%	12 3.6%	13 3.4%	16 3.6%	9 2.6%	11 3.2%	71 2.6%
41-45 minutes	9 3.4%	5 3.1%	10 2.1%	4 1.2%	18 4.8%	21 4.7%	13 3.7%	10 2.9%	90 3.3%
46-50 minutes	1 0.4%	0 0.0%	2 0.4%	0 0.0%	3 0.8%	4 0.9%	3 0.9%	2 0.6%	15 0.5%
51-55 minutes	1 0.4%	0 0.0%	0 0.0%	1 0.3%	2 0.5%	1 0.2%	2 0.6%	1 0.3%	8 0.3%
56-60 minutes	12 4.5%	7 4.3%	9 1.9%	0 0.0%	8 2.1%	7 1.6%	6 1.7%	9 2.6%	58 2.1%
61 minutes or more	2 0.8%	3 1.9%	4 0.8%	2 0.6%	2 0.5%	6 1.3%	6 1.7%	7 2.0%	32 1.2%

Missing cases = 92

Table 8-5

**5-Minute Trip Length Distributions – Home-based Other (HBO) Trips Only By County**

N=15638 trips

	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>new time (minutes)</u>						
1-5 minutes	1692 19.9%	326 21.2%	296 19.5%	217 13.3%	305 20.1%	2836 19.3%
6-10 minutes	1953 22.9%	304 19.7%	323 21.2%	365 22.4%	279 18.4%	3224 21.9%
11-15 minutes	1821 21.4%	346 22.5%	394 25.9%	343 21.1%	261 17.2%	3165 21.5%
16-20 minutes	1085 12.7%	166 10.8%	182 12.0%	223 13.7%	176 11.6%	1832 12.4%
21-25 minutes	460 5.4%	52 3.4%	85 5.6%	109 6.7%	93 6.1%	799 5.4%
26-30 minutes	915 10.7%	211 13.7%	150 9.9%	215 13.2%	203 13.4%	1694 11.5%
31-35 minutes	100 1.2%	20 1.3%	24 1.6%	44 2.7%	43 2.8%	231 1.6%
36-40 minutes	117 1.4%	24 1.6%	11 0.7%	36 2.2%	52 3.4%	240 1.6%
41-45 minutes	123 1.4%	37 2.4%	28 1.8%	40 2.5%	56 3.7%	284 1.9%
46-50 minutes	49 0.6%	13 0.8%	4 0.3%	10 0.6%	11 0.7%	87 0.6%
51-55 minutes	15 0.2%	2 0.1%	1 0.1%	4 0.2%	0 0.0%	22 0.1%
56-60 minutes	82 1.0%	17 1.1%	4 0.3%	11 0.7%	20 1.3%	134 0.9%
61 minutes or more	101 1.2%	23 1.5%	19 1.2%	11 0.7%	18 1.2%	172 1.2%

Missing cases = 918

Table 8-6

**5-Minute Trip Length Distributions – Home-based Other (HBO) Trips By Jefferson CCD**

N=9078 trips

	Geography residence								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>new time (minutes)</u>									
1-5 minutes	184 25.0%	80 21.1%	302 19.9%	207 22.0%	314 21.1%	217 18.2%	179 17.1%	209 17.1%	1692 19.9%
6-10 minutes	144 19.6%	93 24.5%	360 23.8%	226 24.0%	268 18.0%	272 22.8%	268 25.6%	322 26.4%	1953 22.9%
11-15 minutes	121 16.5%	81 21.3%	384 25.3%	170 18.0%	354 23.8%	246 20.6%	204 19.5%	261 21.4%	1821 21.4%
16-20 minutes	85 11.6%	43 11.3%	187 12.3%	126 13.4%	164 11.0%	185 15.5%	123 11.8%	172 14.1%	1085 12.7%
21-25 minutes	45 6.1%	12 3.2%	81 5.3%	56 5.9%	72 4.8%	59 4.9%	67 6.4%	68 5.6%	460 5.4%
26-30 minutes	88 12.0%	45 11.8%	127 8.4%	86 9.1%	203 13.7%	130 10.9%	115 11.0%	121 9.9%	915 10.7%
31-35 minutes	16 2.2%	4 1.1%	20 1.3%	10 1.1%	14 0.9%	13 1.1%	13 1.2%	10 0.8%	100 1.2%
36-40 minutes	10 1.4%	5 1.3%	11 0.7%	15 1.6%	28 1.9%	19 1.6%	15 1.4%	14 1.1%	117 1.4%
41-45 minutes	13 1.8%	6 1.6%	13 0.9%	22 2.3%	17 1.1%	13 1.1%	20 1.9%	19 1.6%	123 1.4%
46-50 minutes	10 1.4%	3 0.8%	6 0.4%	3 0.3%	9 0.6%	11 0.9%	3 0.3%	4 0.3%	49 0.6%
51-55 minutes	1 0.1%	1 0.3%	2 0.1%	2 0.2%	4 0.3%	2 0.2%	2 0.2%	1 0.1%	15 0.2%
56-60 minutes	9 1.2%	6 1.6%	12 0.8%	9 1.0%	13 0.9%	17 1.4%	9 0.9%	7 0.6%	82 1.0%
61 minutes or more	9 1.2%	1 0.3%	10 0.7%	10 1.1%	25 1.7%	8 0.7%	27 2.6%	11 0.9%	101 1.2%

Missing cases = 565

Table 8-7

**5-Minute Trip Length Distributions – Non-home-based (NHB) Trips Only By County**

N=6169 trips

	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>new time (minutes)</u>						
1-5 minutes	665 21.6%	157 26.9%	117 23.0%	153 24.4%	125 25.5%	1217 23.0%
6-10 minutes	676 21.9%	108 18.5%	106 20.8%	131 20.9%	112 22.8%	1133 21.4%
11-15 minutes	648 21.0%	128 22.0%	132 25.9%	107 17.1%	74 15.1%	1089 20.6%
16-20 minutes	400 13.0%	54 9.3%	54 10.6%	75 12.0%	55 11.2%	638 12.1%
21-25 minutes	164 5.3%	40 6.9%	15 2.9%	33 5.3%	30 6.1%	282 5.3%
26-30 minutes	283 9.2%	58 9.9%	40 7.9%	75 12.0%	44 9.0%	500 9.5%
31-35 minutes	51 1.7%	7 1.2%	10 2.0%	9 1.4%	7 1.4%	84 1.6%
36-40 minutes	37 1.2%	11 1.9%	7 1.4%	12 1.9%	11 2.2%	78 1.5%
41-45 minutes	69 2.2%	11 1.9%	10 2.0%	17 2.7%	9 1.8%	116 2.2%
46-50 minutes	19 0.6%	1 0.2%	4 0.8%	1 0.2%	4 0.8%	29 0.5%
51-55 minutes	9 0.3%	1 0.2%	0 0.0%	0 0.0%	4 0.8%	14 0.3%
56-60 minutes	28 0.9%	2 0.3%	5 1.0%	4 0.6%	8 1.6%	47 0.9%
61 minutes or more	31 1.0%	5 0.9%	9 1.8%	10 1.6%	8 1.6%	63 1.2%

Missing cases = 879

Table 8-8

**5 Minute Trip Length Distributions – Non-home-based (NHB) Trips By Jefferson CCD**

N=3557 trips

	geography residence								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>new time (minutes)</u>									
1-5 minutes	53 21.3%	33 26.2%	100 17.4%	65 19.9%	106 22.6%	100 23.6%	96 22.9%	112 22.7%	665 21.6%
6-10 minutes	46 18.5%	32 25.4%	153 26.7%	76 23.2%	93 19.9%	88 20.8%	78 18.6%	110 22.3%	676 21.9%
11-15 minutes	52 20.9%	27 21.4%	133 23.2%	51 15.6%	102 21.8%	85 20.0%	93 22.2%	105 21.3%	648 21.0%
16-20 minutes	33 13.3%	16 12.7%	91 15.9%	53 16.2%	40 8.5%	52 12.3%	51 12.2%	64 13.0%	400 13.0%
21-25 minutes	13 5.2%	2 1.6%	25 4.4%	12 3.7%	22 4.7%	32 7.5%	31 7.4%	27 5.5%	164 5.3%
26-30 minutes	28 11.2%	8 6.3%	43 7.5%	34 10.4%	53 11.3%	38 9.0%	33 7.9%	46 9.3%	283 9.2%
31-35 minutes	6 2.4%	0 0.0%	7 1.2%	4 1.2%	14 3.0%	7 1.7%	8 1.9%	5 1.0%	51 1.7%
36-40 minutes	2 0.8%	0 0.0%	3 0.5%	6 1.8%	8 1.7%	4 0.9%	9 2.1%	5 1.0%	37 1.2%
41-45 minutes	11 4.4%	1 0.8%	8 1.4%	9 2.8%	17 3.6%	8 1.9%	8 1.9%	7 1.4%	69 2.2%
46-50 minutes	0 0.0%	1 0.8%	0 0.0%	7 2.1%	3 0.6%	3 0.7%	2 0.5%	3 0.6%	19 0.6%
51-55 minutes	0 0.0%	1 0.8%	2 0.3%	2 0.6%	1 0.2%	1 0.2%	1 0.2%	1 0.2%	9 0.3%
56-60 minutes	1 0.4%	4 3.2%	4 0.7%	4 1.2%	5 1.1%	4 0.9%	3 0.7%	3 0.6%	28 0.9%
61 minutes or more	4 1.6%	1 0.8%	5 0.9%	4 1.2%	4 0.9%	2 0.5%	6 1.4%	5 1.0%	31 1.0%

Missing cases = 477



## Chapter Nine

# *Analysis of Mode and Private Vehicle Occupancy*





### ***Overview***

This chapter contains two major types of analyses: (1) analyses of the modes of transportation used by residents of the region and (2) analyses of the vehicle occupancy rates for trips in private vehicles, such as passenger cars, pick-ups, and sport utility vehicles (SUVs).

The mode and vehicle occupancy data in this chapter only reflect travel by residents of Bullitt, Jefferson, and Oldham counties in Kentucky and Floyd and Clark counties in Indiana. Trips in the region that are generated by persons who live outside the five-county area are not reflected in this analysis.

The charts and tables in this chapter show the following information:

- Percentage of trips in the region that are completed by various modes of transportation. The data is provided by trip purpose (HBW, HBO, NHB) for the region as a whole, each county, and the eight Jefferson CCDs. (Figures 9-1 through 9-36 and Tables 9-1 through 9-8).
- Vehicle occupancy rates in private vehicles, such as passenger cars, pick-ups and sport utility vehicles. The data is provided by trip purpose (HBW, HBO, NHB) for the region as a whole, each county, and the eight Jefferson CCDs. (Figures 9-37 through 9-48 and Tables 9-9 through 9-16).

### ***Findings***

**Private Vehicle Use** (See Figures 9-1 through 9-12). Approximately ninety-three percent (92.7%) of all trips generated by residents of the five-county region were completed by persons who either drove or were passengers in private vehicles, such as cars, SUVs, and pickups. Oldham County had the highest percentage of trips in private vehicles (93.6%); Floyd County had the lowest percentage (91.6%). The percentage of trips in private vehicles in Jefferson County ranged from a high of 94.5% in the Jefferson Central CCD to a low of 79.7% in the Louisville Central CCD. Other findings include:

- Over ninety-seven percent (97.3%) of HBW trips in the five-county region were completed in private vehicles.
- Bullitt County had the highest percentage of HBW trips completed in private vehicles (99.4%).
- Louisville Central CCD had the lowest percentage of HBW trips completed in private vehicles (84.9%).

**Travel By Walking** (See Figures 9-13 through 9-20). Approximately two percent (1.8%) of all trips generated by residents of the five-county region were completed by persons who walked to their destination. Jefferson County had the highest percentage of trips by walking (2.3%); Bullitt and Oldham counties each had the lowest percentage (0.4%). The percentage of trips by walking in Jefferson County ranged from a high of 9.6% in the Louisville Central CCD to a low of 0.9% in the Jefferson Central CCD. Other findings include:

- Under one percent (0.7%) of HBW trips by residents of the five-county region were completed by walking.
- Almost seven percent (6.6%) of HBW trips by residents of the Louisville Central CCD were completed by walking while none (0%) of the HBW trips by residents of Bullitt and Oldham counties were completed by walking.
- Over two percent (2.2%) of HBO trips by residents of the five-county region were completed by walking.
- Almost three percent (2.8%) of the HBO trips by residents of Jefferson County were completed by walking while only 0.4% of the HBO trips in Oldham County were completed by walking.
- Approximately twelve percent (12.2%) of HBO trips in the Louisville Central CCD were completed by walking while only 1% of HBO trips in the Jefferson Central CCD were completed by walking.

**Public Transit Use** (See Figures 9-21 through 9-28). Less than one percent (0.7%) of all trips generated by residents of the five-county region were completed by persons who used a public bus/transit to get to their destination. Jefferson County had the highest percentage of trips on public transit (1.1%); Bullitt County had the lowest percentage (0%). The percentage of trips on public transit in Jefferson County ranged from a high of 4.9% in the Louisville Central CCD to a low of 0.2% in the Jefferson Southwest CCD. Other findings include:

- Approximately one percent (1.1%) of HBW trips by residents of the five-county region were completed on public transit.
- Approximately seven percent (7.2%) of HBW trips by residents of the Louisville Central CCD were completed on public transit while none (0%) of the HBW trips by residents of Bullitt, Oldham, or Clark counties were completed on public transit.
- Over four percent (4.3%) of HBO trips by residents of Louisville Central CCD were completed on public transit compared to just 0.1% of HBO trips by residents of the Jefferson Southwest CCD.

**School Bus Travel** (See Figures 9-29 through 9-36). Four percent (4.0%) of all trips generated by residents of the five-county region were completed by persons who took a school bus to their destination. Floyd County had the highest percentage of trips on school buses (5.7%); Jefferson County had the lowest percentage (3.3%). The percentage of trips by school bus in Jefferson County ranged from a high of 4.1% in the Louisville Central CCD to a low of 2.3% in the Louisville East CCD. Other findings include:

- Almost nine percent (8.9%) of HBO trips by residents of Floyd County were completed on a school bus.
- Over four percent (4.4%) of NHB trips by residents of the Louisville South CCD were completed on a school bus while only 1.4% of the NHB trips by residents of the Louisville Central CCD were completed on a school bus.

**Private Vehicle Occupancy** (See Figures 9-37 through 9-40 and Tables 9-9 through 9-16). More than half (58.6%) of all trips region in private vehicles (cars, pickups, and SUVs) by residents of the five-county were completed by persons driving alone. Clark County had the highest percentage of one-person trips (60.0%); Bullitt County had the lowest percentage of one-person trips (52.6%). In Jefferson County, the Jefferson Northeast CCD had the highest percentage of one-person trips in private vehicles (67.2%); the Jefferson Southwest CCD had the lowest percentage (51.2%). Other findings include:

- Eighty-nine percent (89%) of HBW trips in private vehicles by residents of the five-county region were completed by persons driving alone
- Less than thirty-nine percent (38.7%) of HBO trips in private vehicles by residents of Bullitt County were completed by persons driving alone
- Almost ninety-five percent (94.7%) of HBW trips in private vehicles by residents of the Jefferson Southeast CCD were completed by persons driving alone

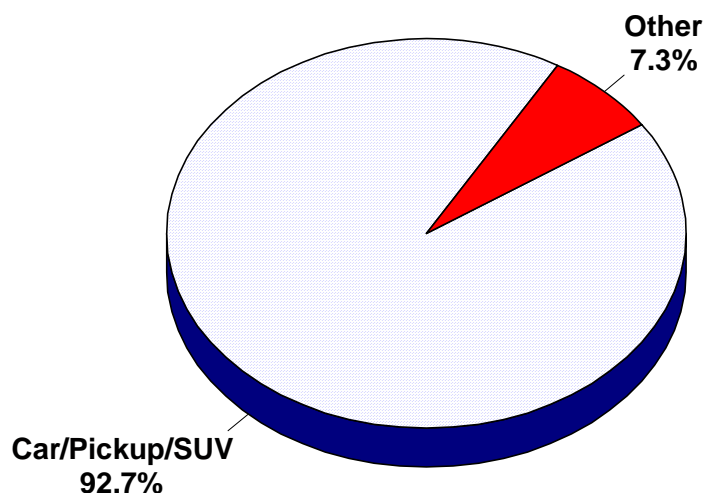
**Mean Private Vehicle Occupancy** (See Figures 9-41 through 9-48). The mean vehicle occupancy for all trips in private vehicles by residents of the five-county region was 1.65 persons per trip. Bullitt County had the highest occupancy with 1.82 persons per trip; Jefferson County had the lowest occupancy with 1.62 persons per trip. In Jefferson County, the Louisville South CCD had the highest occupancy with 1.80 persons per trip; the Jefferson Northeast CCD had the lowest occupancy with 1.49 persons per trip. Other findings include:

- The mean vehicle occupancy for HBW trips in private vehicles by residents of the five-county region was 1.15 persons per trip.
- The Louisville West CCD had the highest vehicle occupancy for HBW trips in private vehicles with 1.30 persons per trip; the Jefferson Southeast CCD had the lowest occupancy with 1.06 persons per trip.
- Bullitt County had the highest vehicle occupancy for HBO trips in private vehicles with 2.07 persons per trip; the Jefferson Northeast CCD had the lowest occupancy with 1.66 persons per trip.

Figure 9-1

### Percentage of All Trips in Private Vehicles (Car, Pickup, SUV) for the 5-County Region

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 29069 trips)

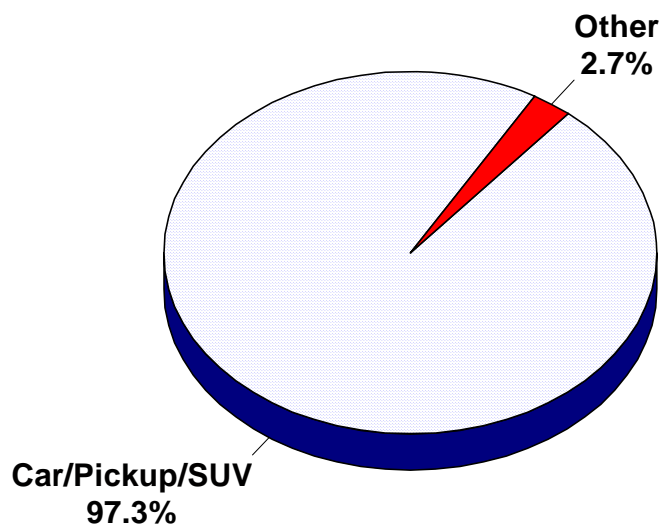


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-2

### Percentage of HBW Trips in Private Vehicles (Car, Pickup, SUV) for the 5-County Region

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 5098 trips)

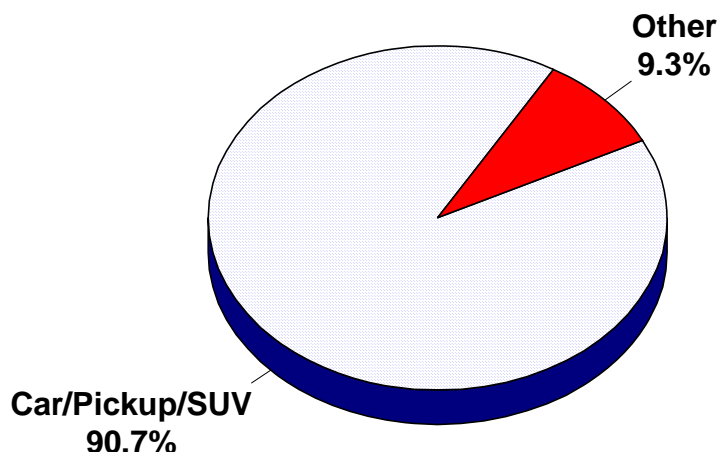


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-3

### Percentage of HBO Trips in Private Vehicles (Car, Pickup, SUV) for the 5-County Region

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 15638 trips)

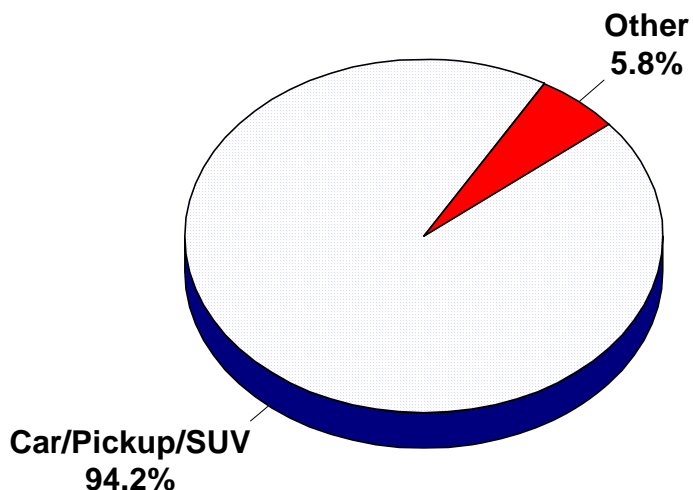


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-4

### Percentage of NHB Trips in Private Vehicles (Car, Pickup, SUV) for the 5-County Region

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 6169 trips)

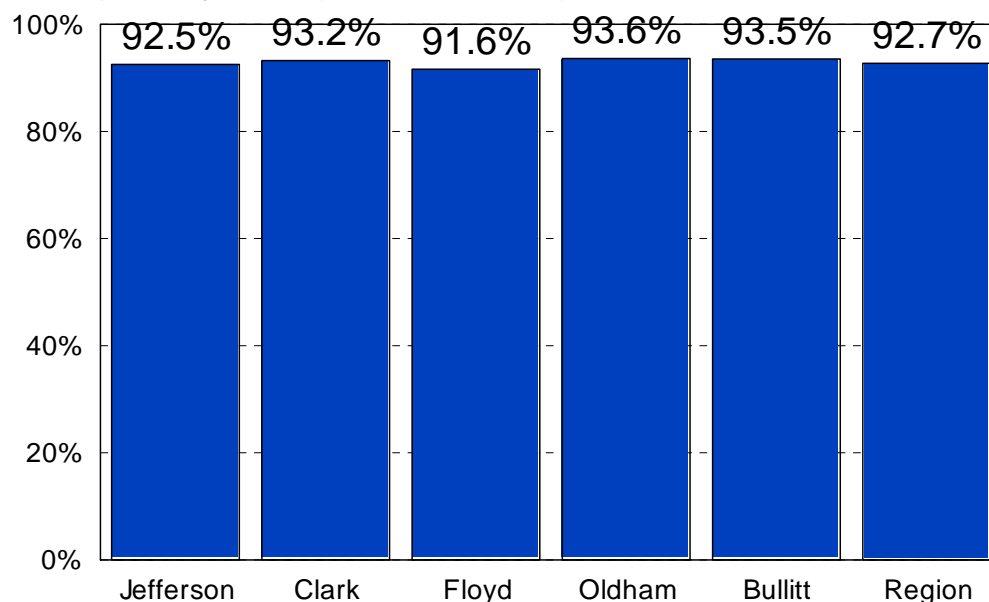


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-5

### Percentage of All Trips in Private Vehicles (Car, Pickup, SUV) by County

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 29069 trips)

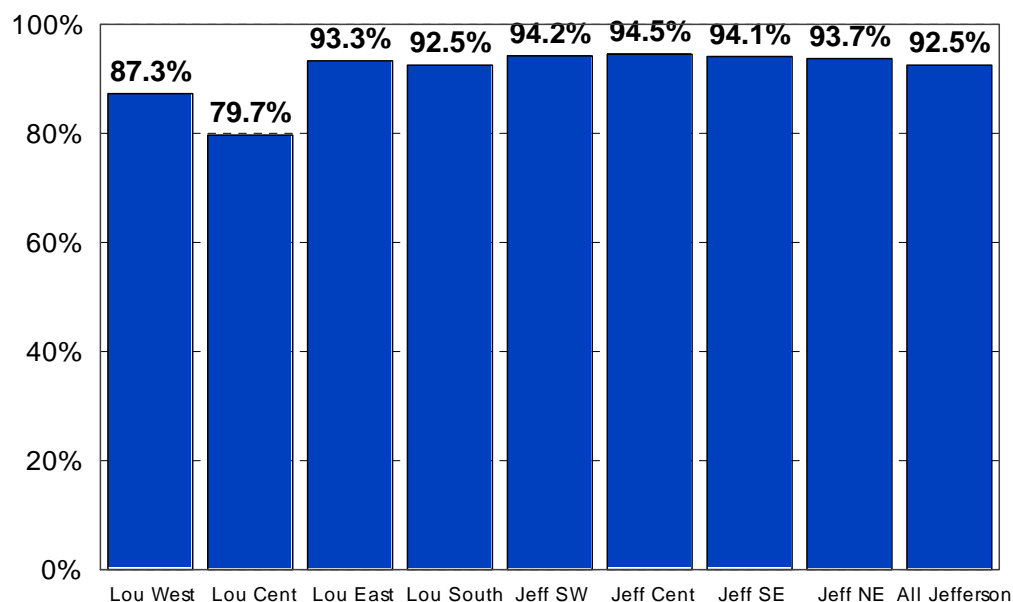


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-6

### Percentage of All Trips in Private Vehicles (Car, Pickup, SUV) by Jefferson CCDs

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 16810 trips)



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-7

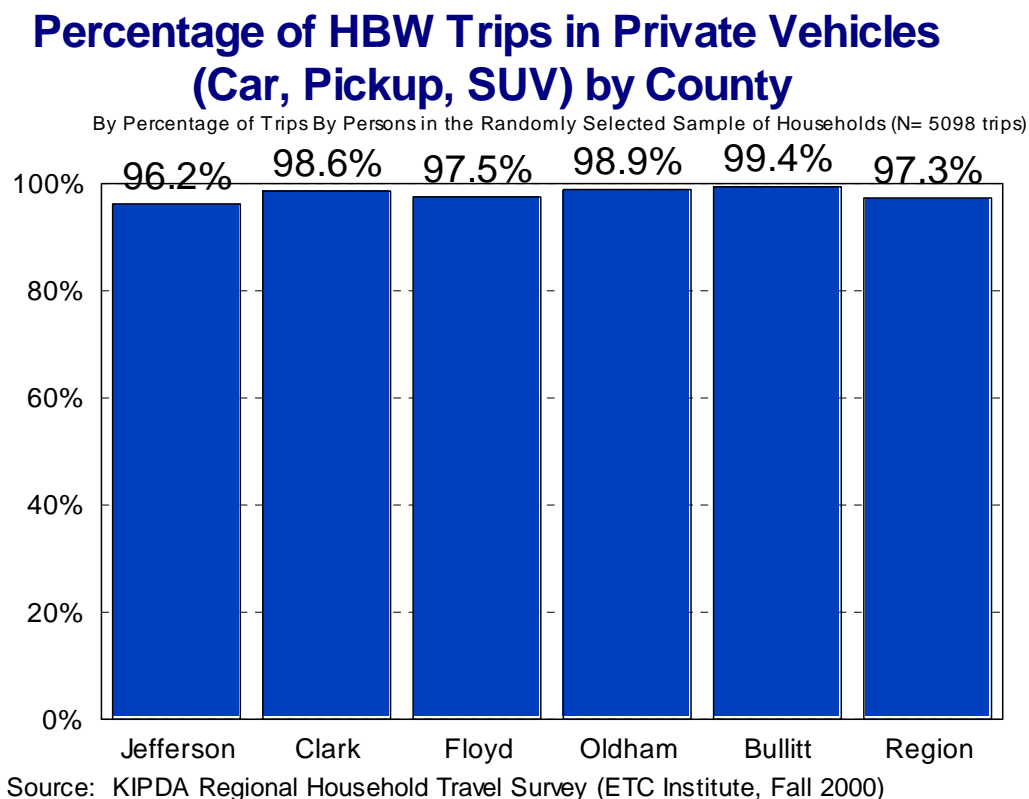


Figure 9-8

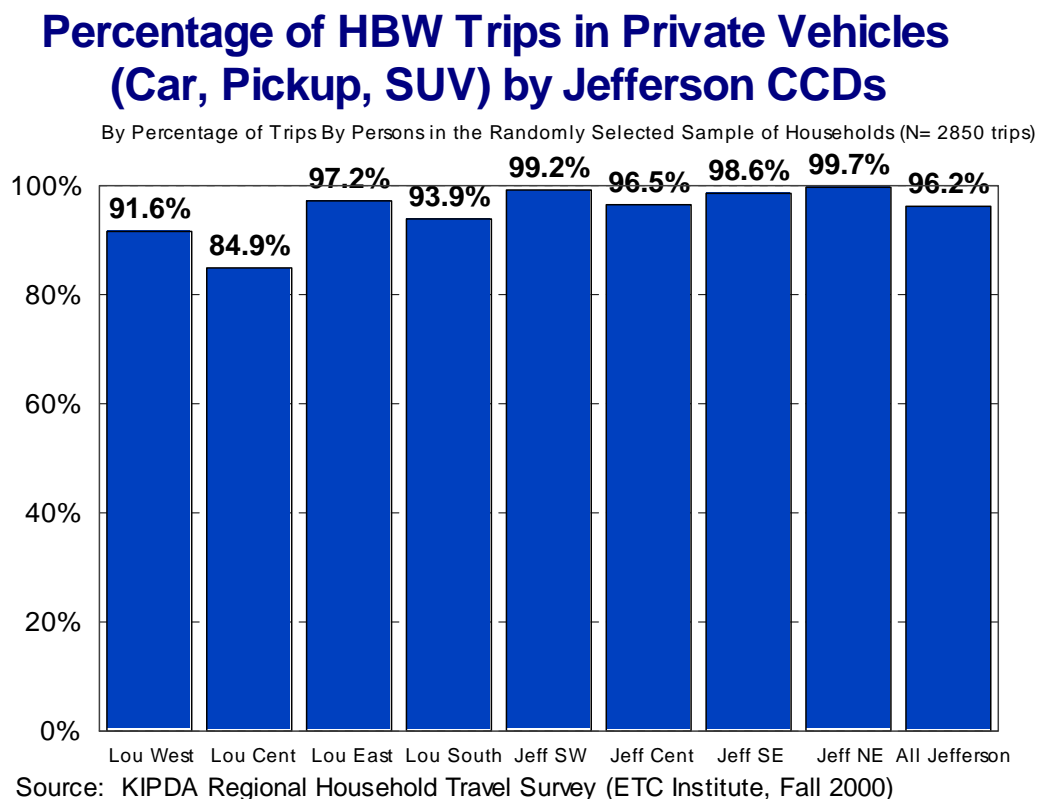
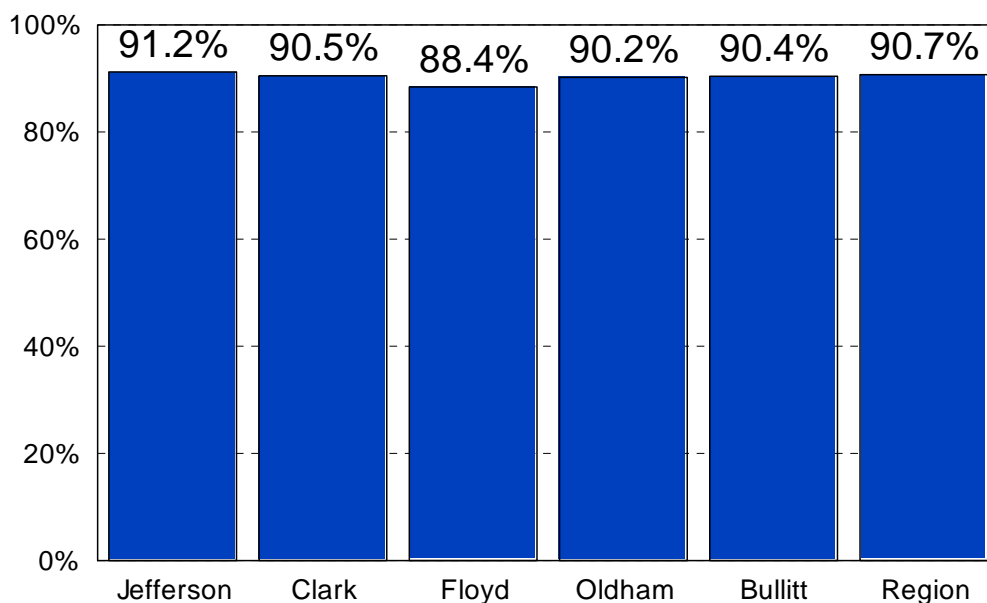


Figure 9-9

### Percentage of HBO Trips in Private Vehicles (Car, Pickup, SUV) by County

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 15638 trips)

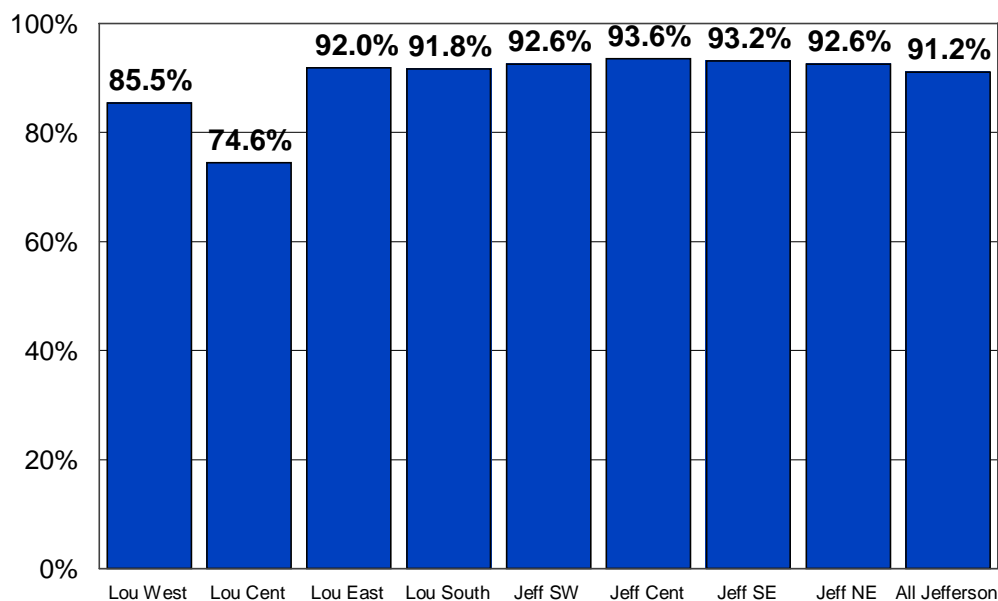


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-10

### Percentage of HBO Trips in Private Vehicles (Car, Pickup, SUV) by Jefferson CCDs

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 9078 trips)



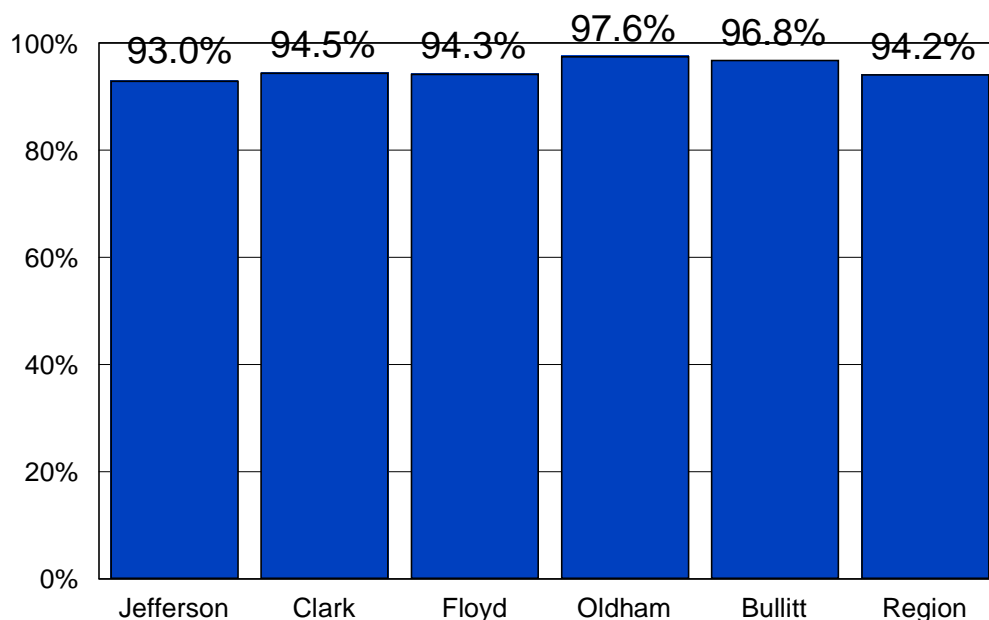
Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)



Figure 9-11

### Percentage of NHB Trips in Private Vehicles (Car, Pickup, SUV) by County

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 6169 trips)

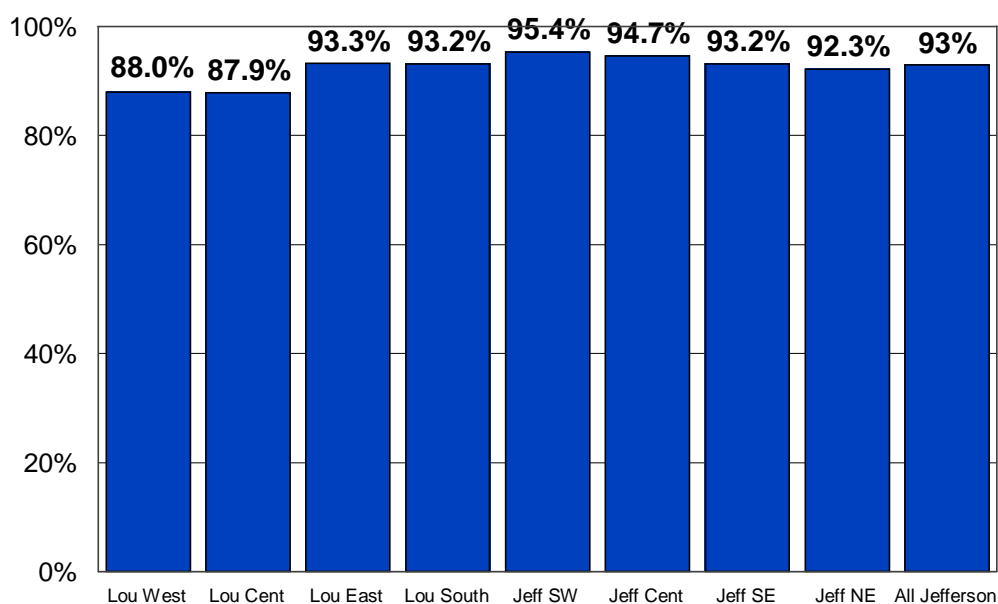


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-12

### Percentage of NHB Trips in Private Vehicles (Car, Pickup, SUV) by Jefferson CCDs

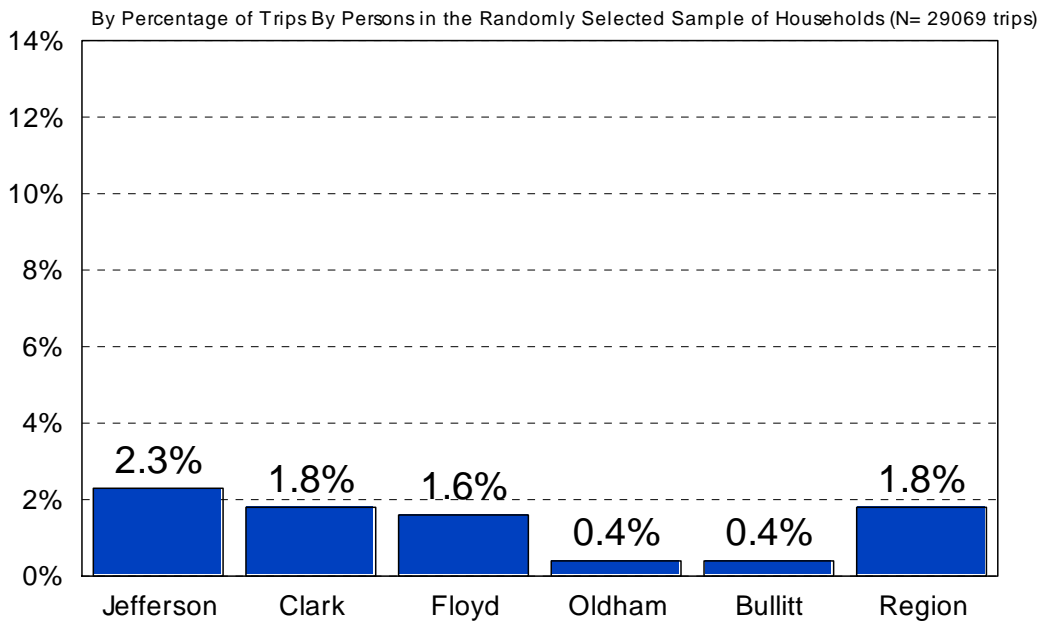
By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 3557 trips)



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-13

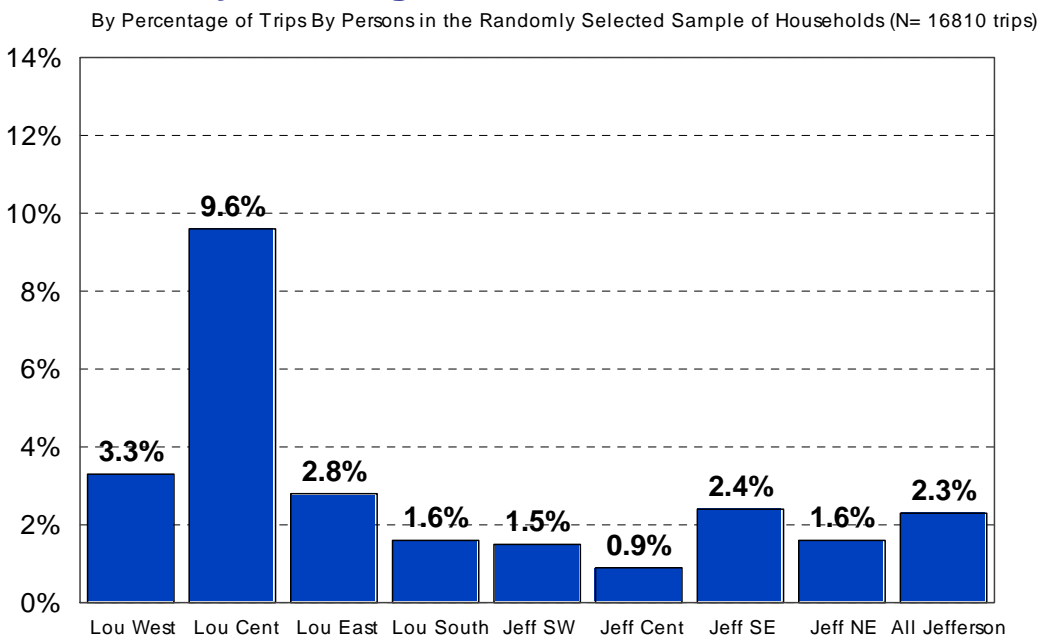
### Percentage of All Trips Completed by Walking in Each County



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-14

### Percentage of All Trips Completed by Walking in Jefferson CCDs



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-15

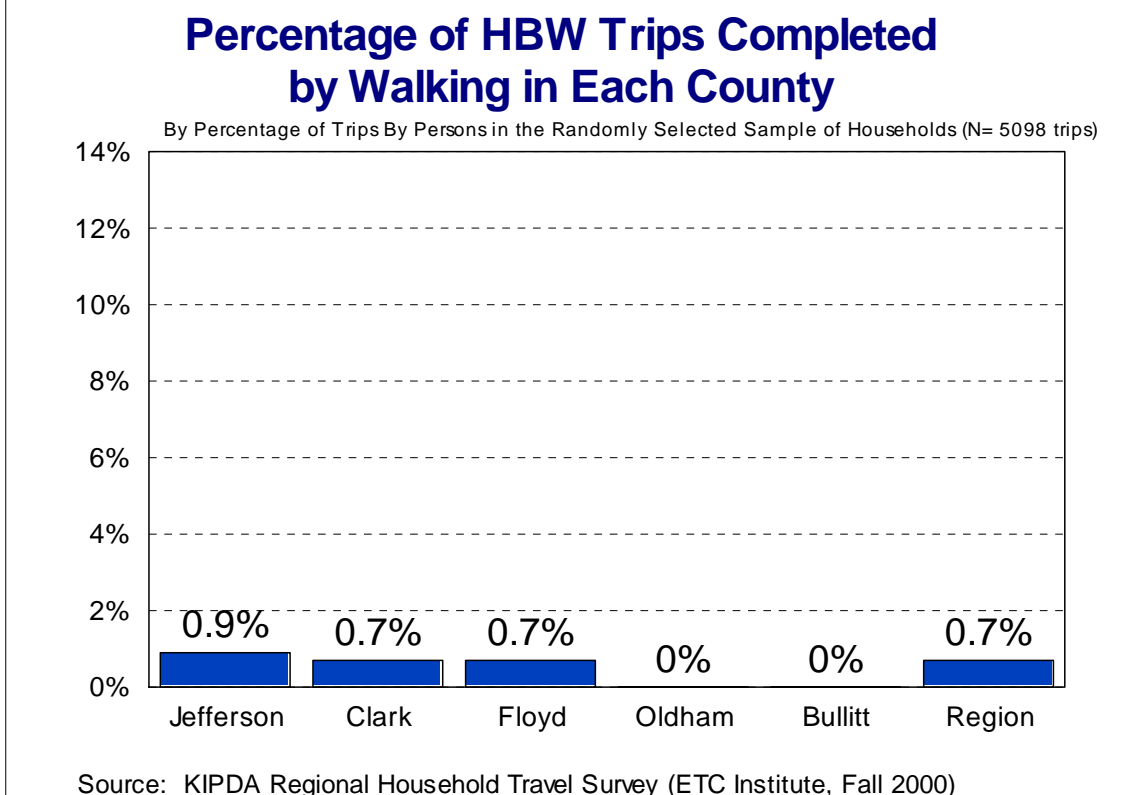


Figure 9-16

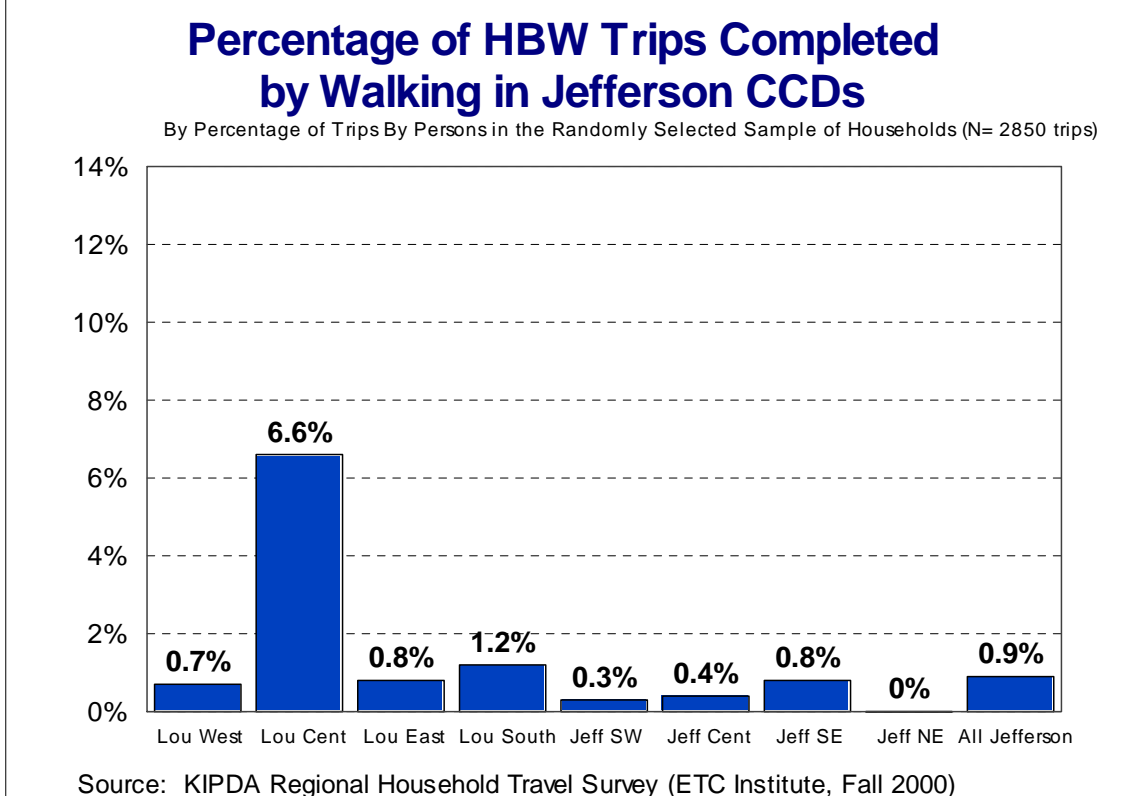
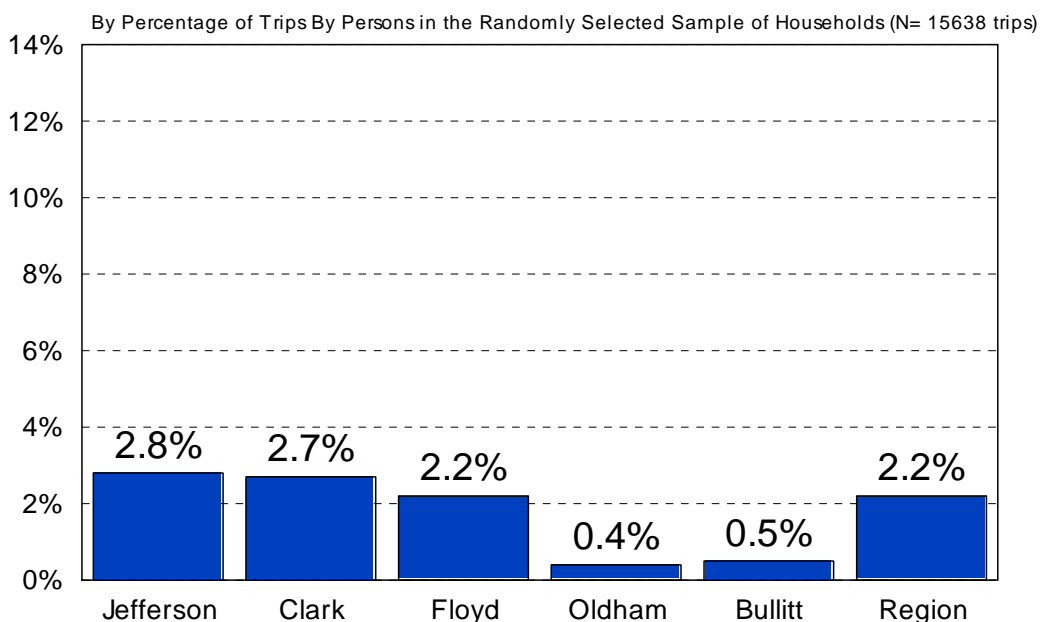


Figure 9-17

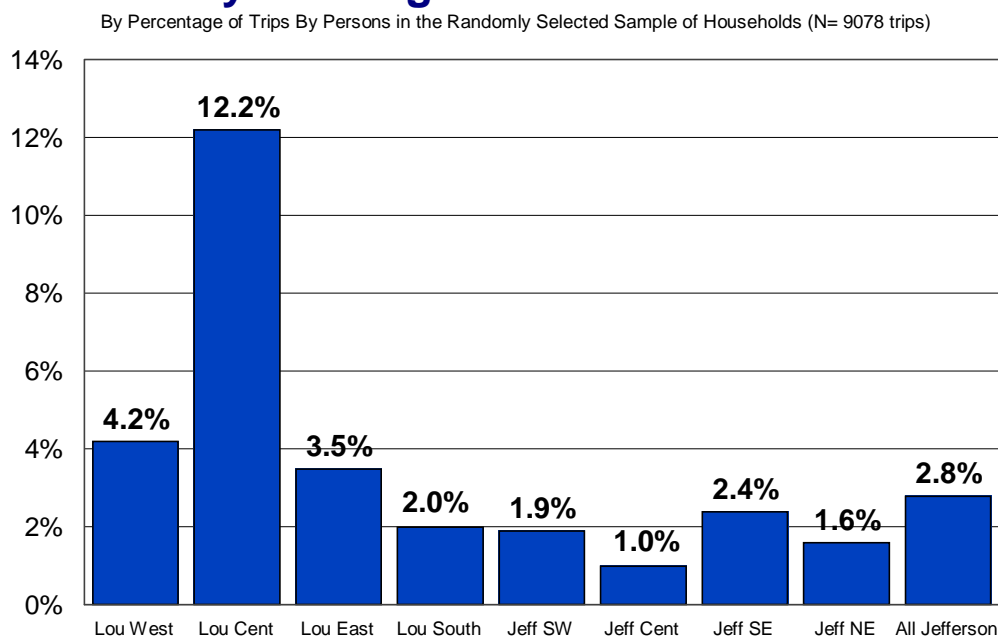
### Percentage of HBO Trips Completed by Walking in Each County



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-18

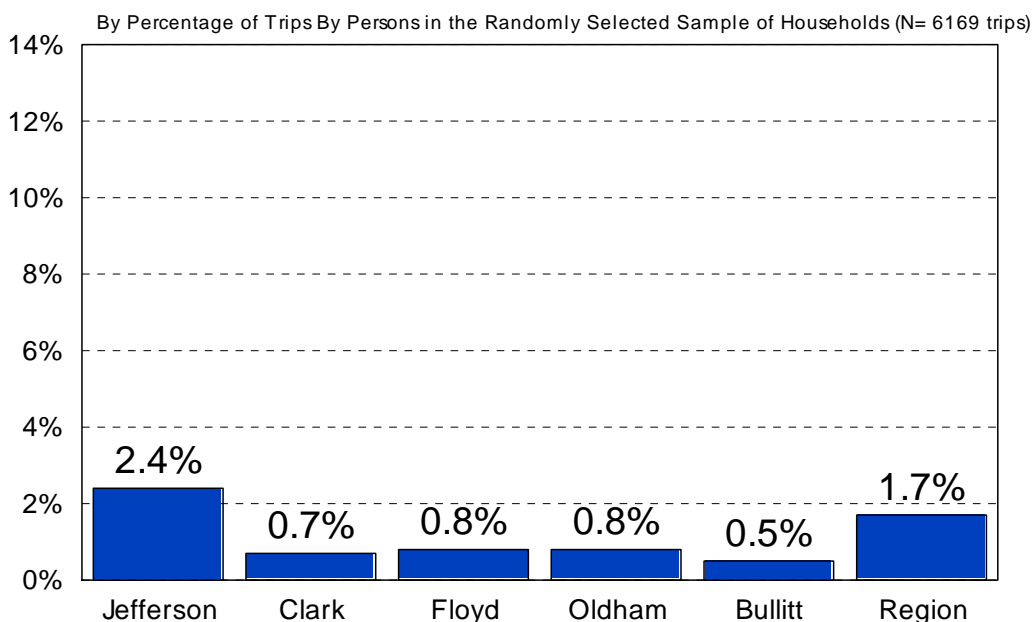
### Percentage of HBO Trips Completed by Walking in Jefferson CCDs



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-19

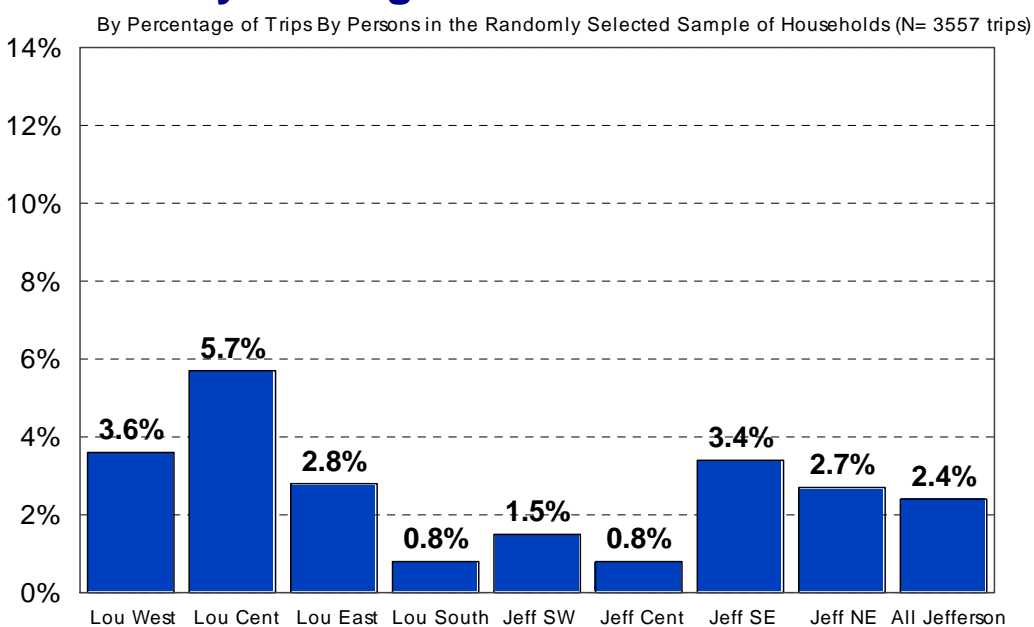
### Percentage of NHB Trips Completed by Walking in Each County



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-20

### Percentage of NHB Trips Completed by Walking in Jefferson CCDs



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-21

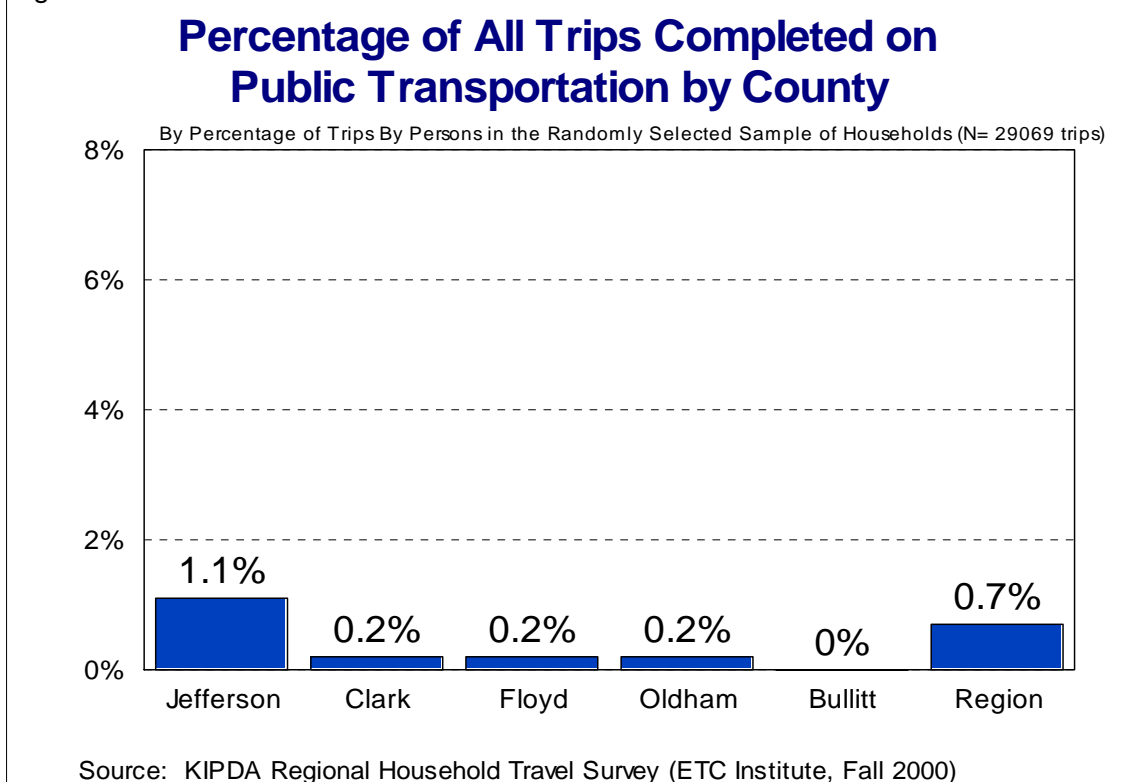


Figure 9-22

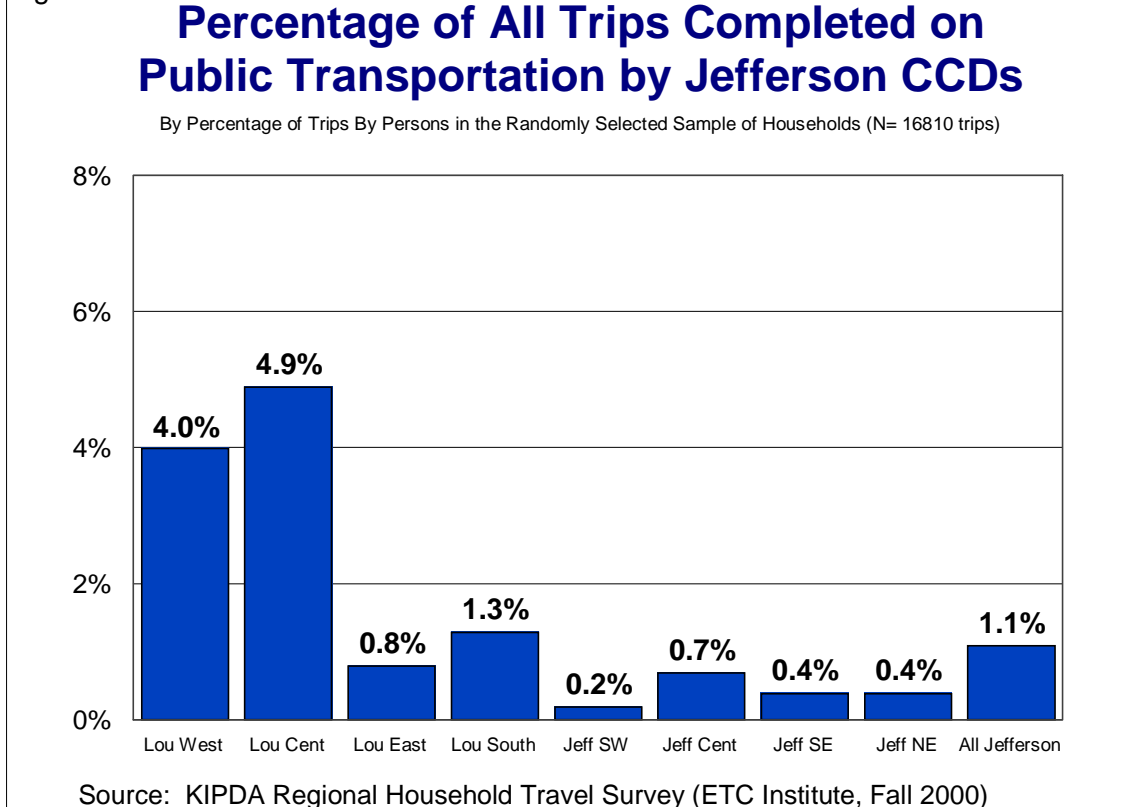
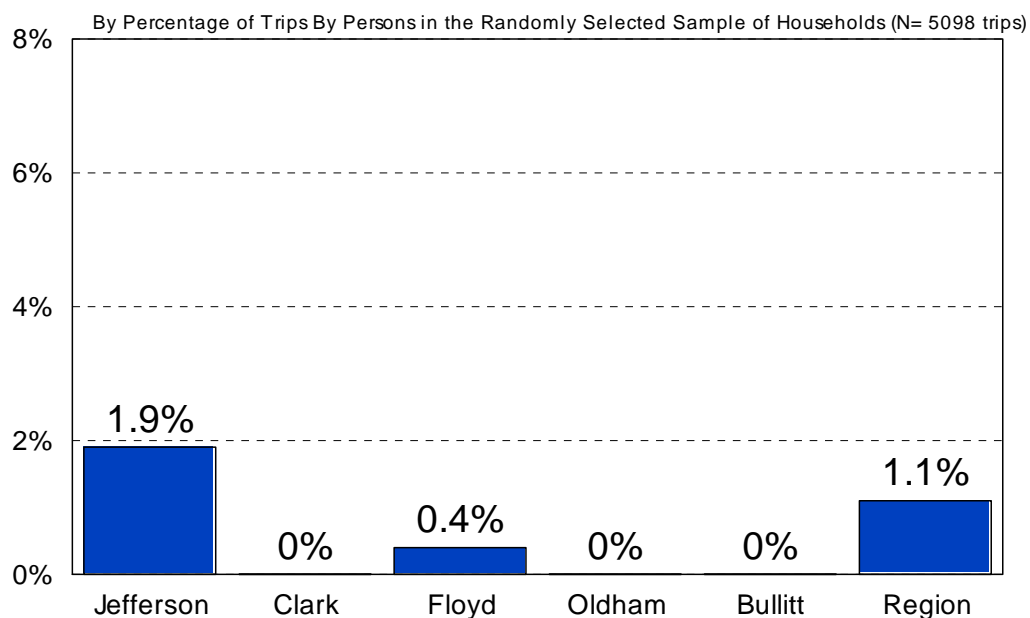


Figure 9-23

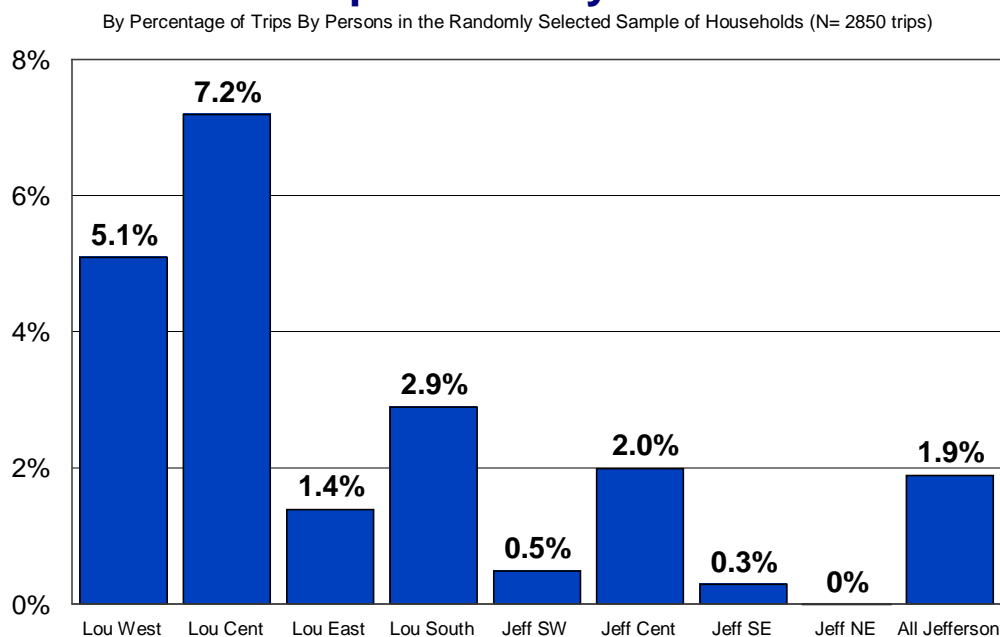
### Percentage of HBW Trips Completed on Public Transportation by County



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-24

### Percentage of HBW Trips Completed on Public Transportation by Jefferson CCDs



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-25

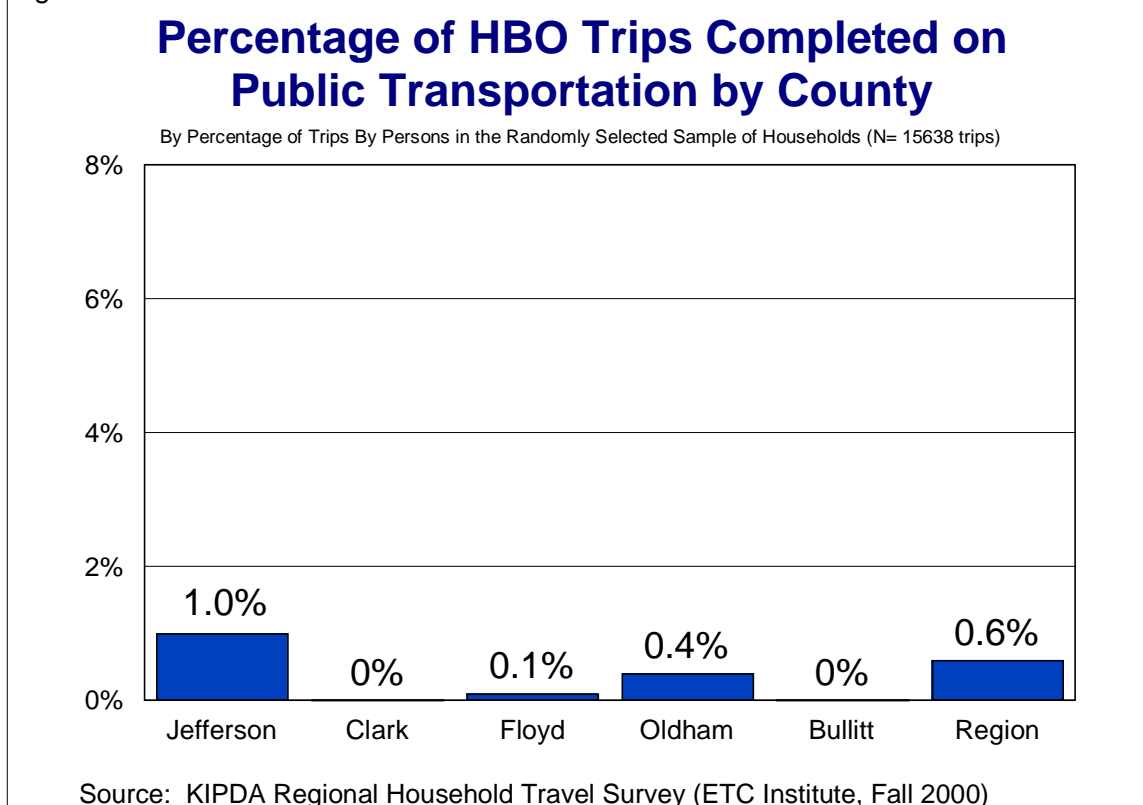


Figure 9-26

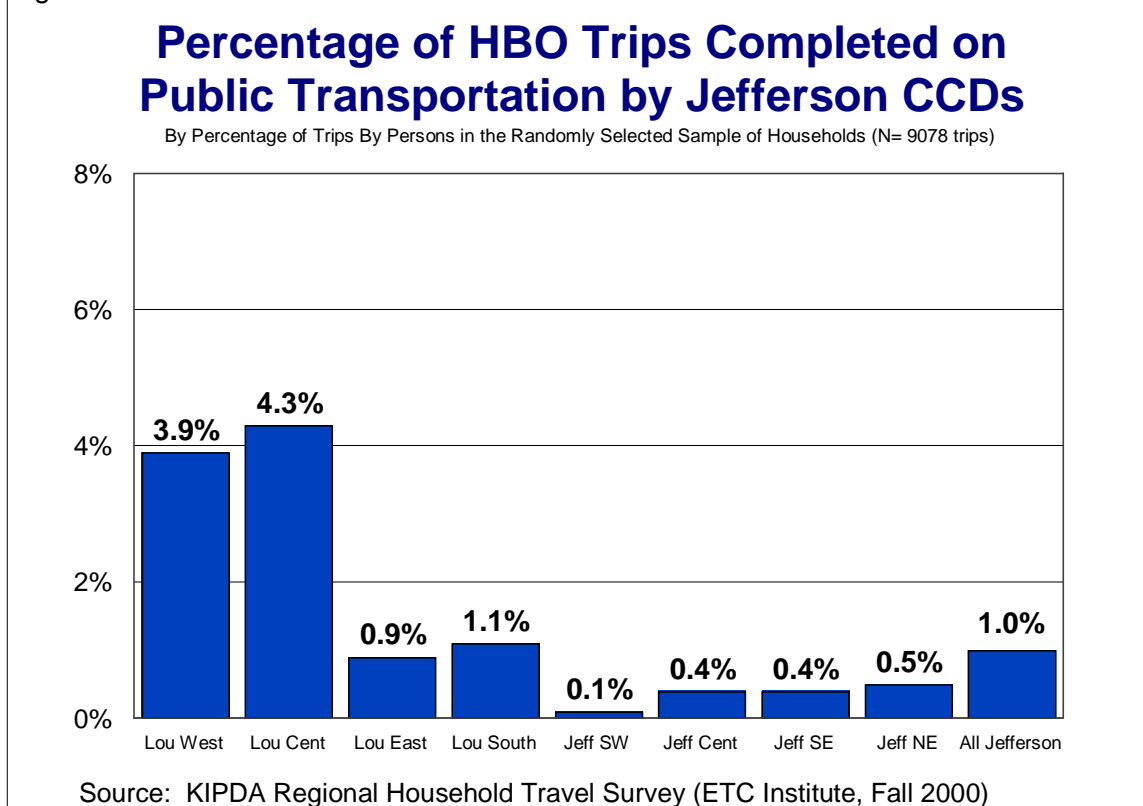




Figure 9-27

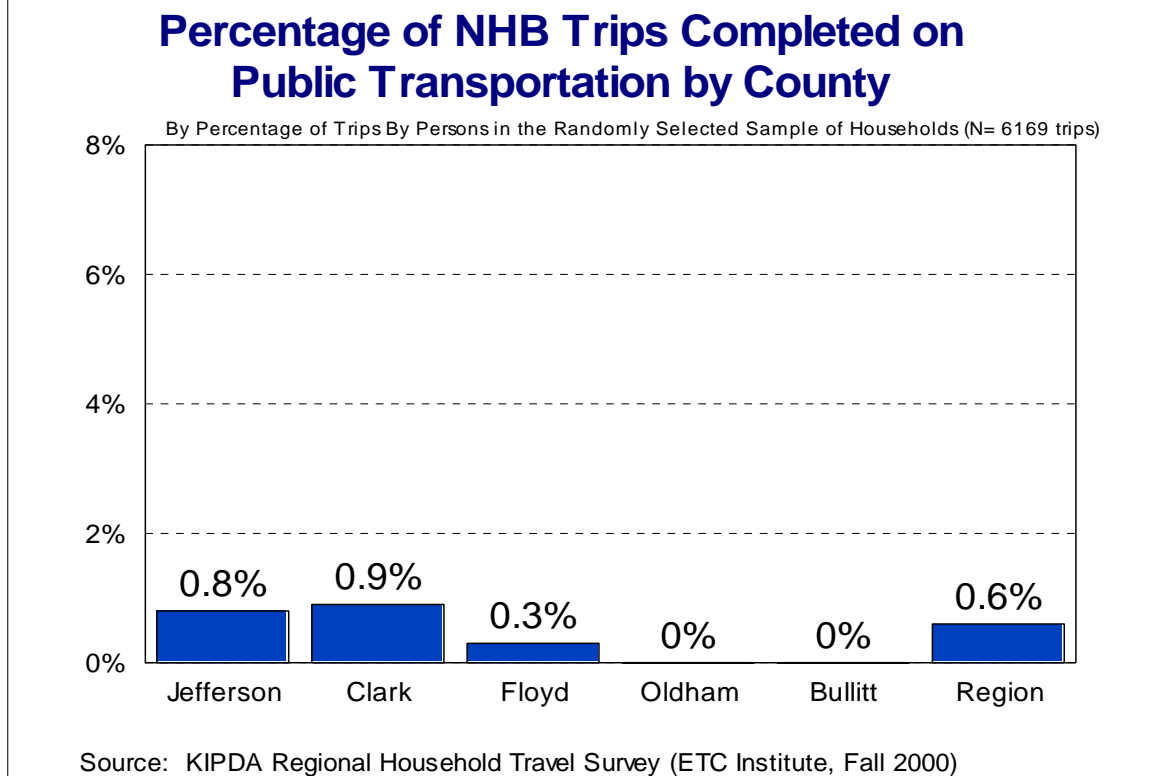


Figure 9-28

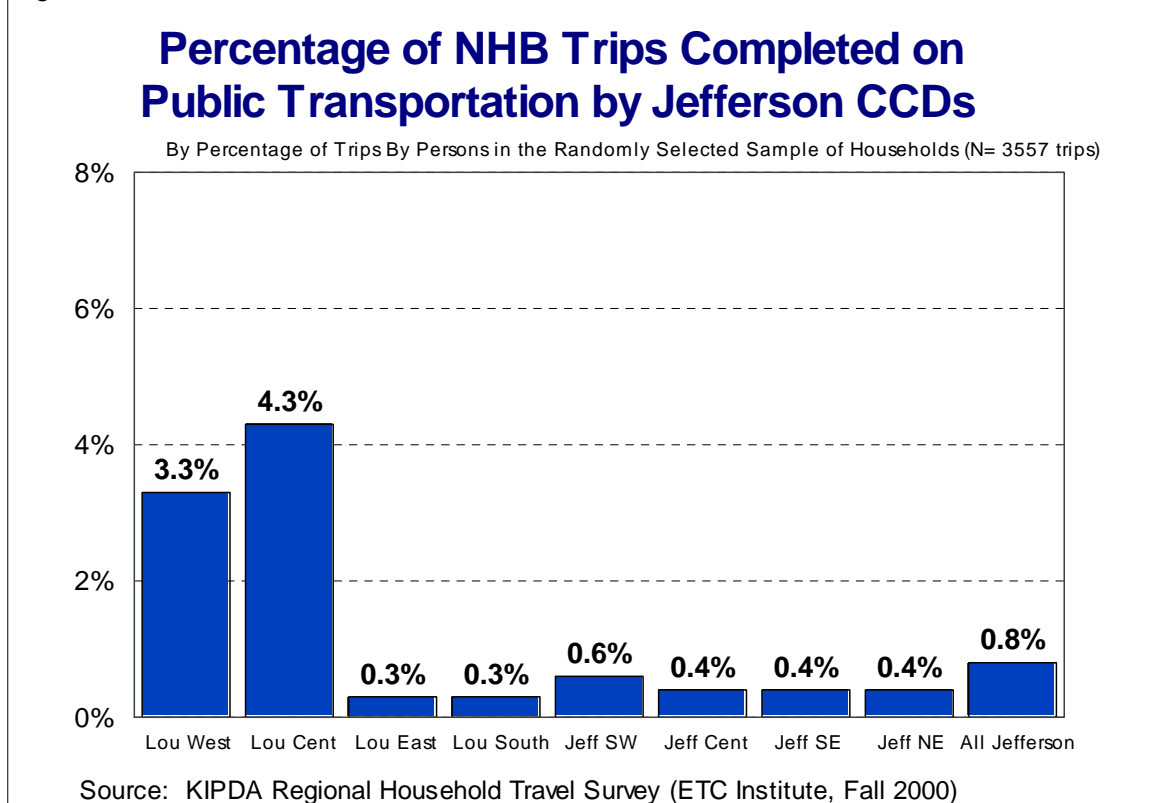


Figure 9-29

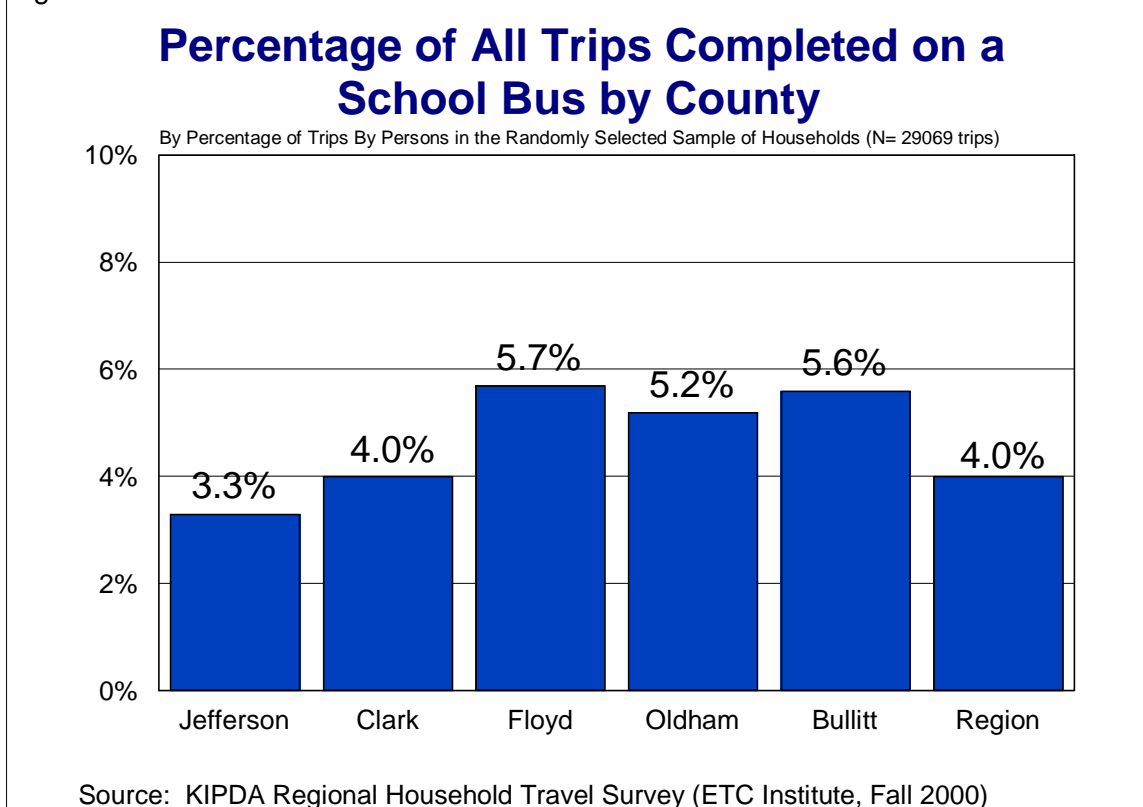


Figure 9-30

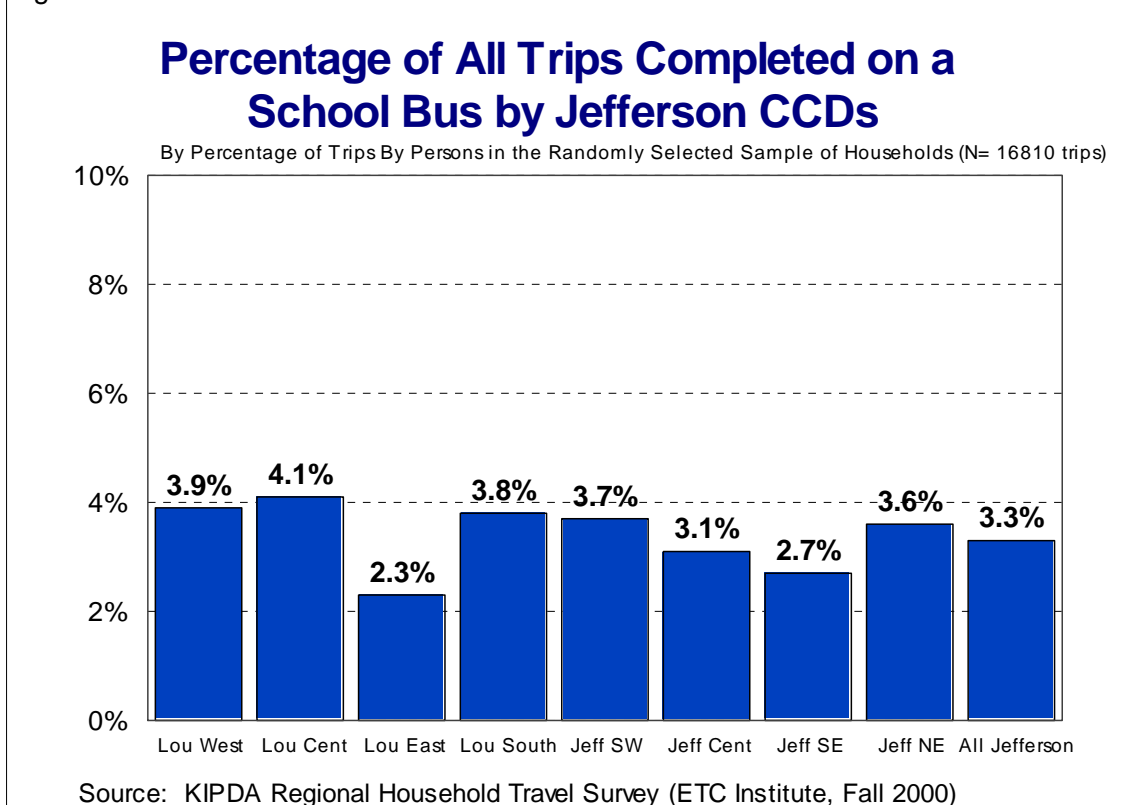
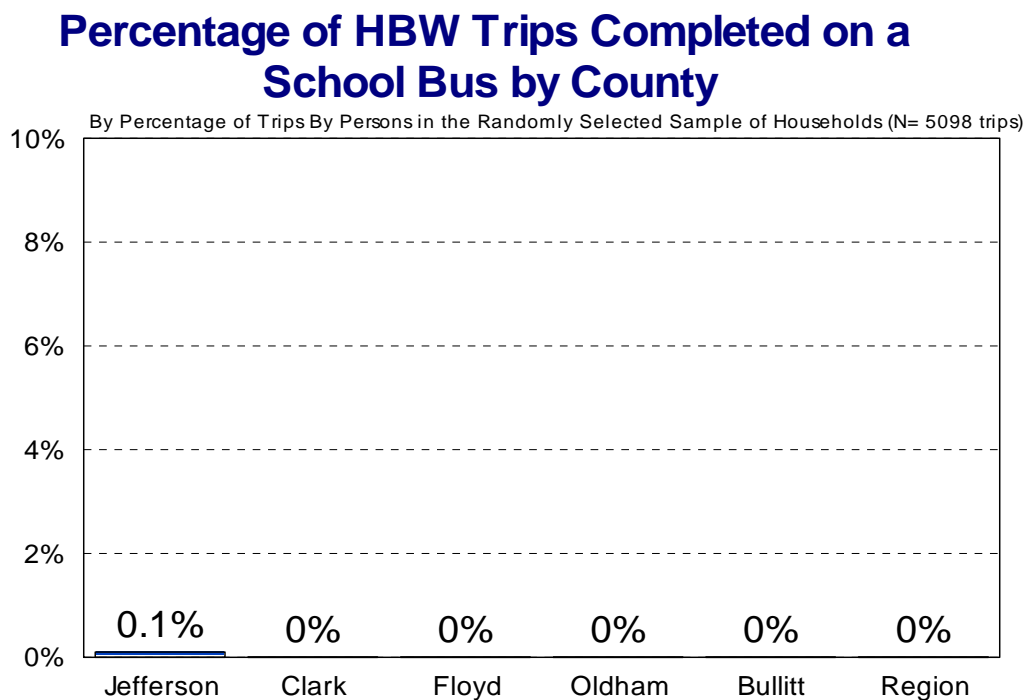
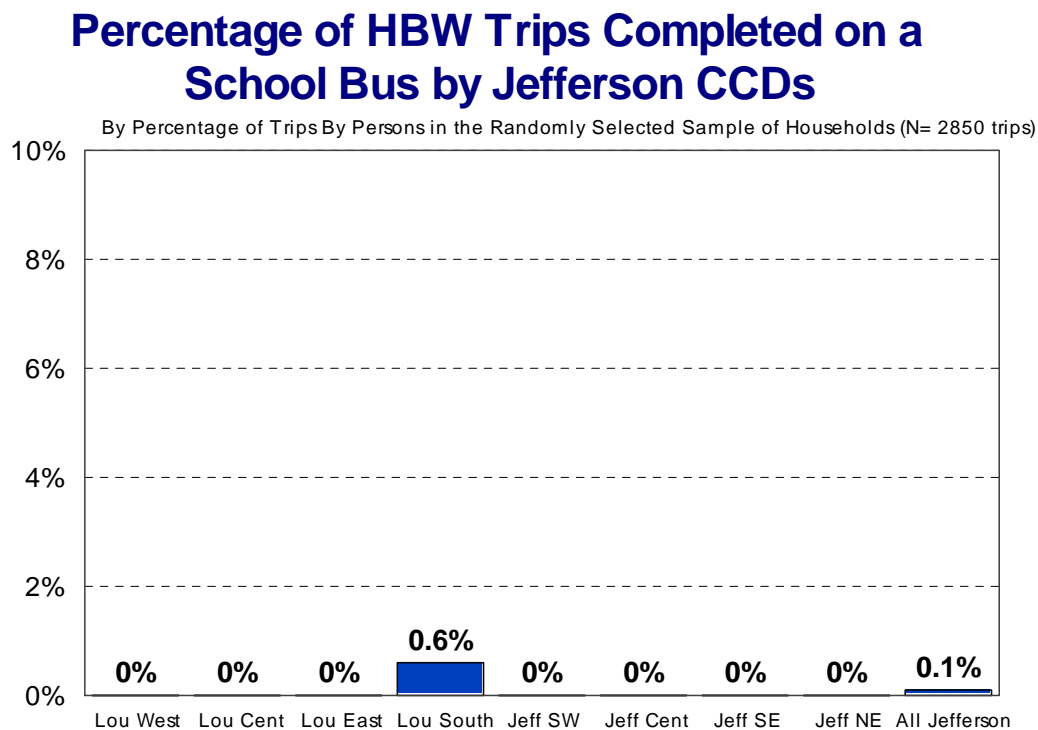


Figure 9-31



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

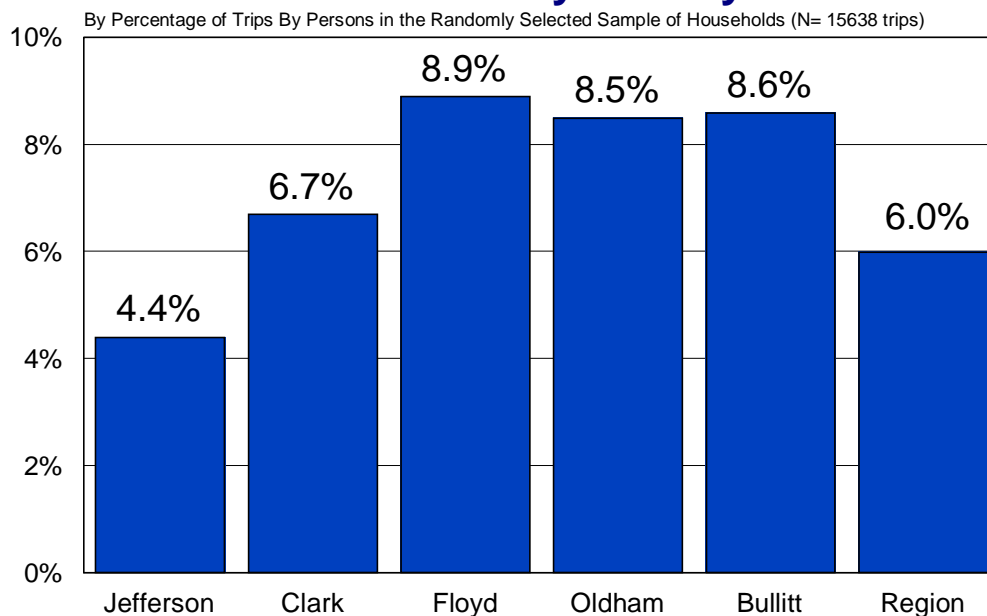
Figure 9-32



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-33

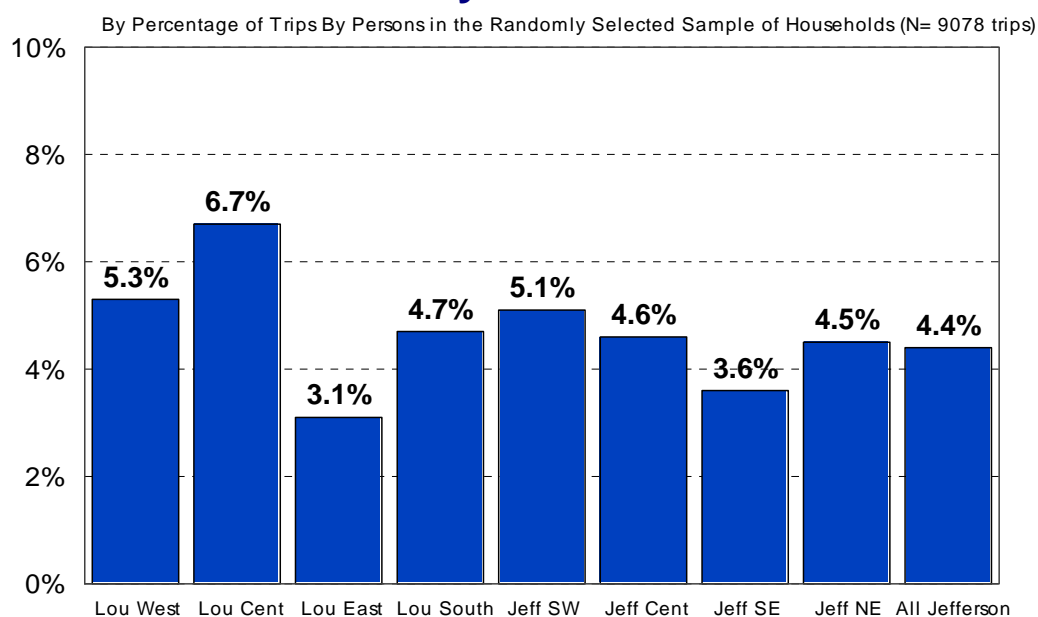
### Percentage of HBO Trips Completed on a School Bus by County



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

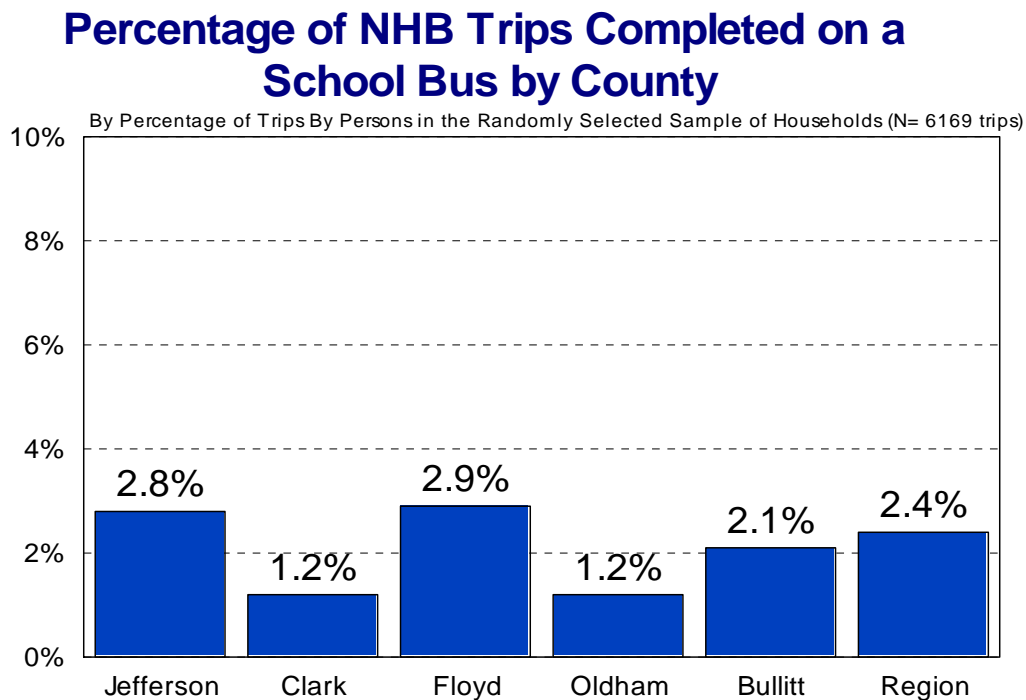
Figure 9-34

### Percentage of HBO Trips Completed on a School Bus by Jefferson CCDs



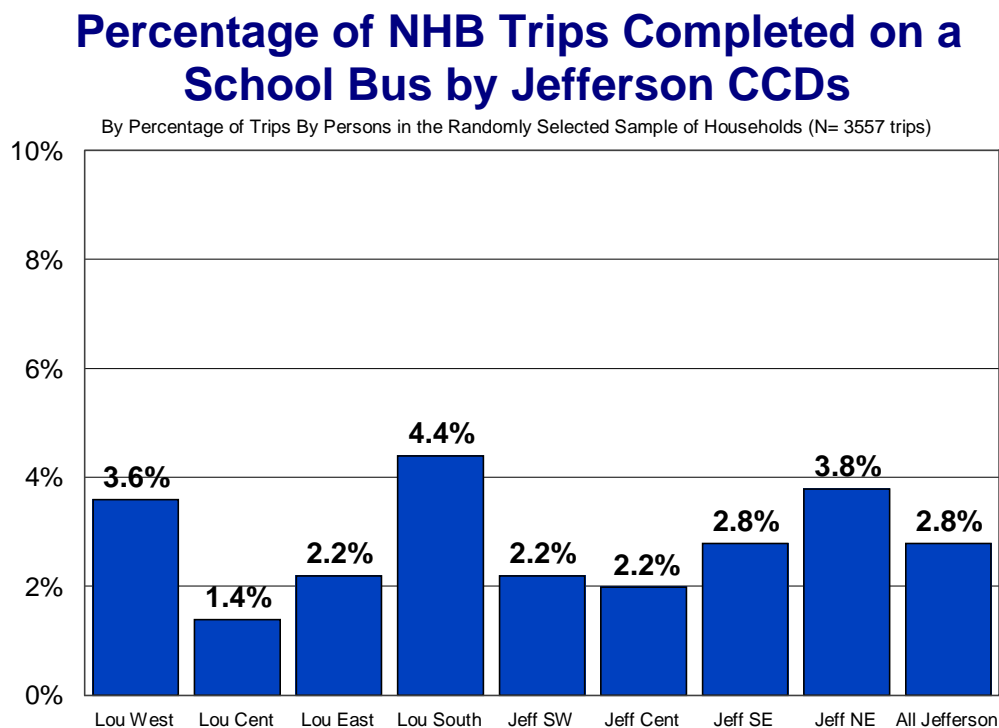
Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-35



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-36

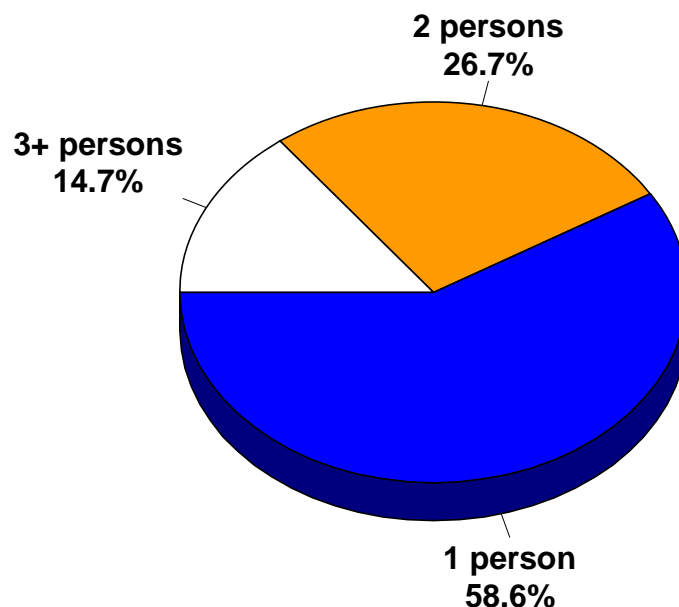


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-37

### Private Vehicle Occupancy for All Trips by Residents of the 5-County Region

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 29069 trips)

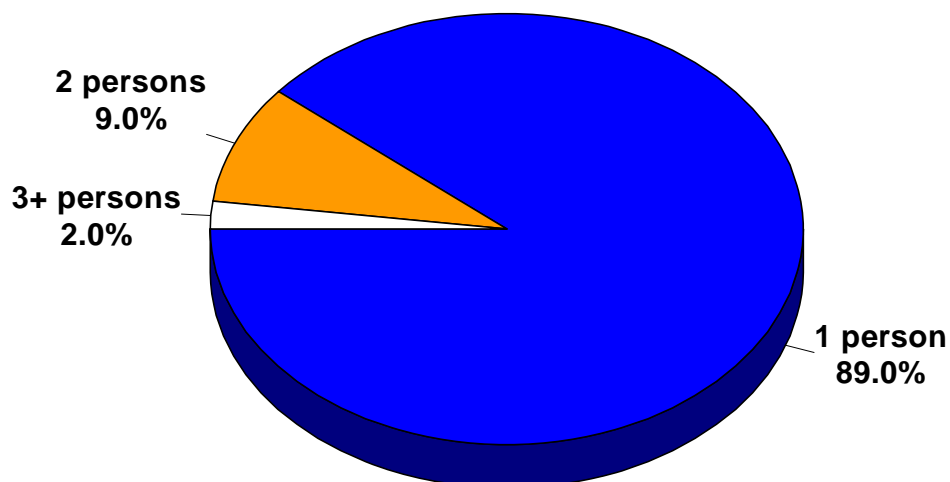


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-38

### Private Vehicle Occupancy for HBW Trips by Residents of the 5-County Region

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 5098 trips)

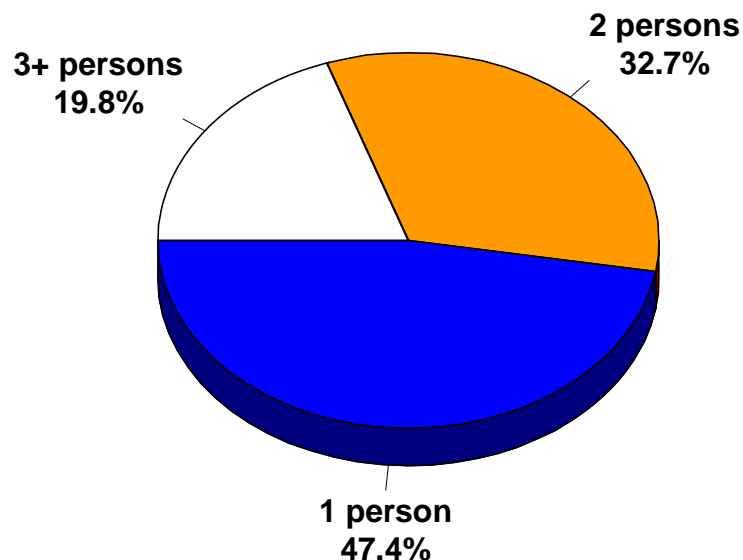


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-39

### Private Vehicle Occupancy for HBO Trips by Residents of the 5-County Region

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 15638 trips)

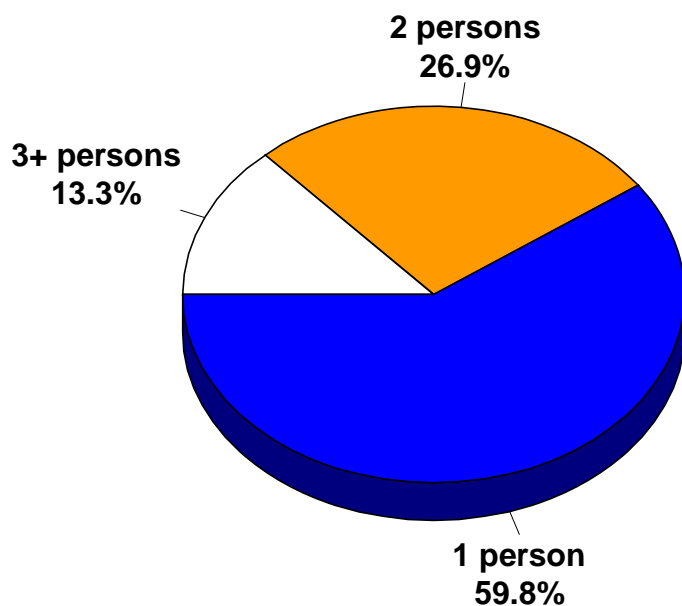


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-40

### Private Vehicle Occupancy for NHB Trips by Residents of the 5-County Region

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 6169 trips)



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-41

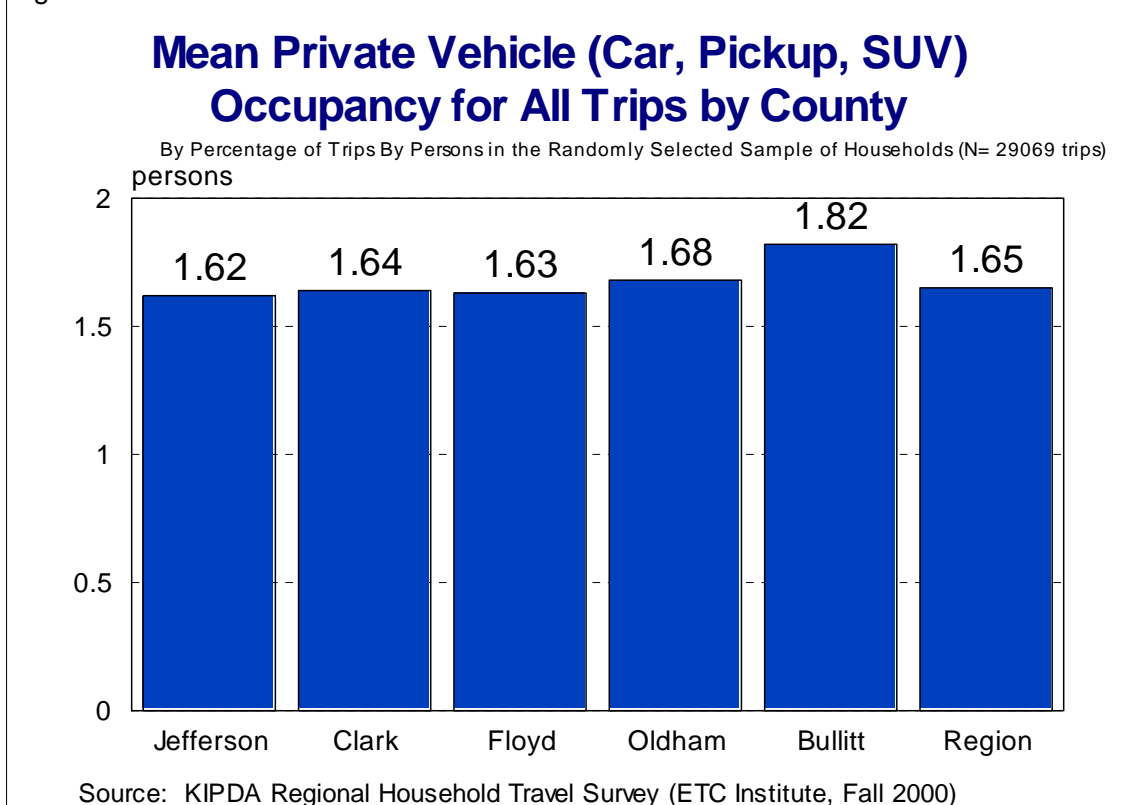


Figure 9-42

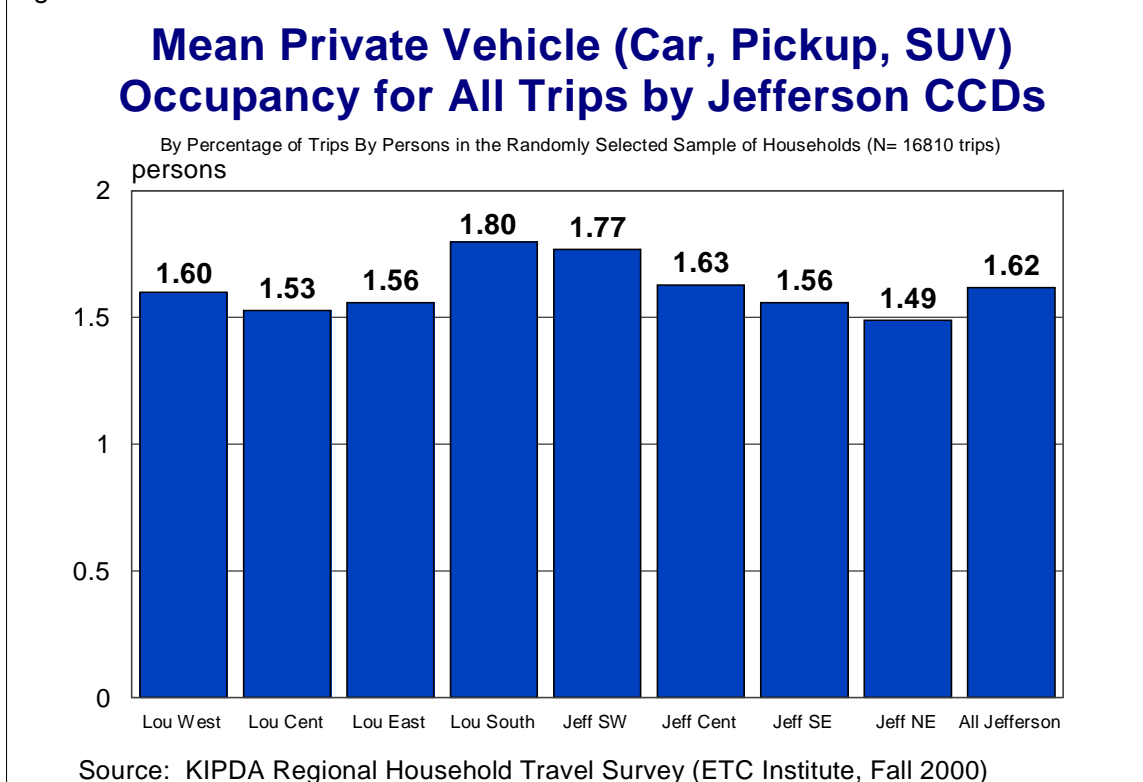




Figure 9-43

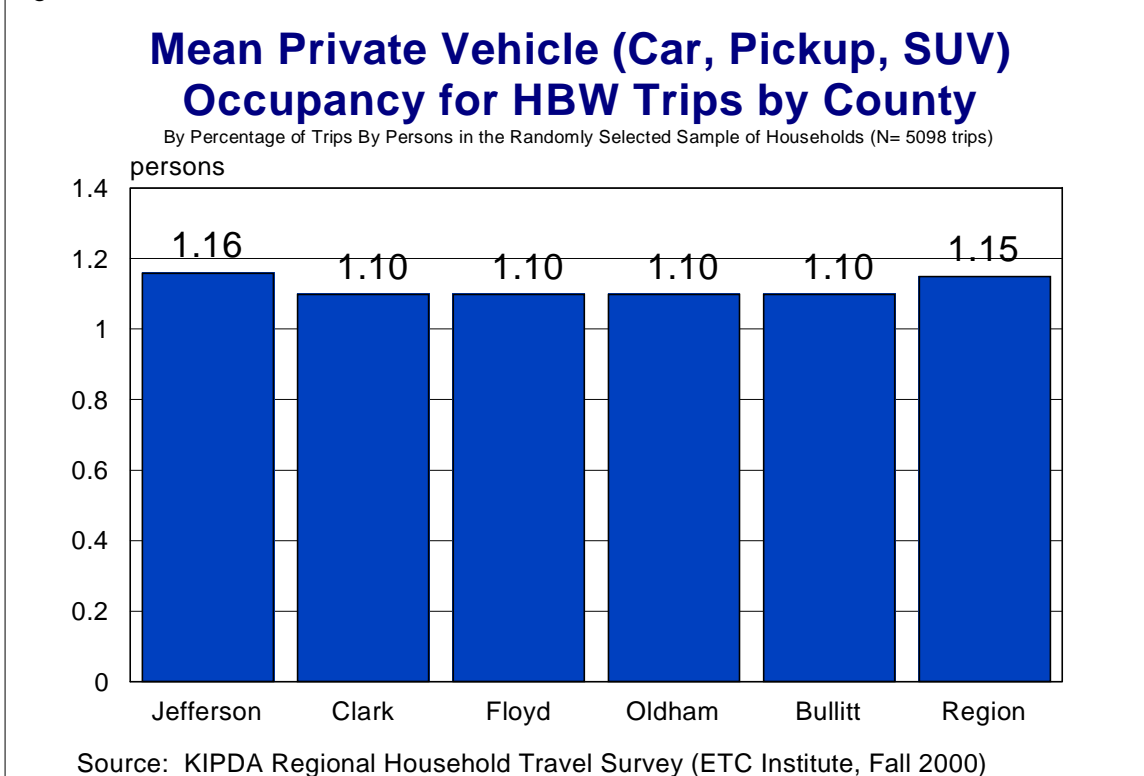


Figure 9-44

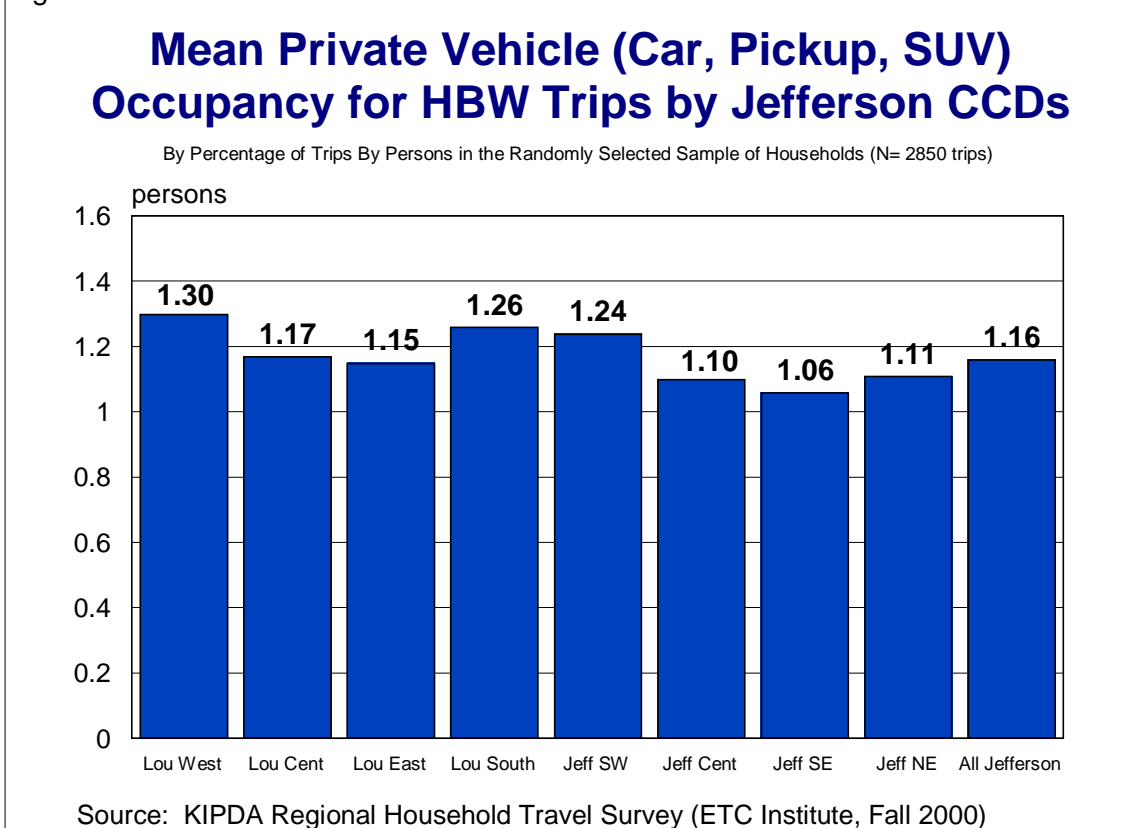
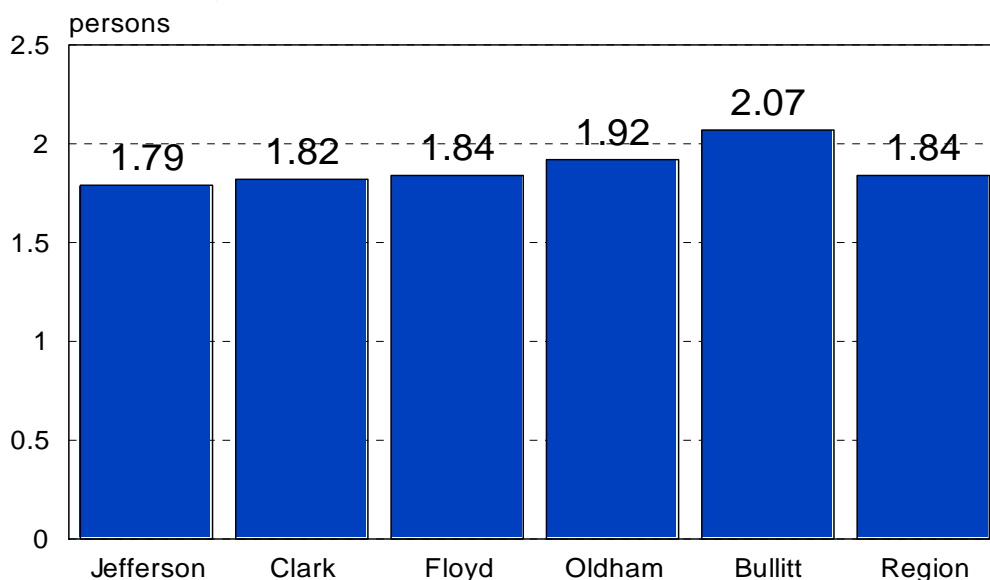


Figure 9-45

### Mean Private Vehicle (Car, Pickup, SUV) Occupancy for HBO Trips by County

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 15638 trips)

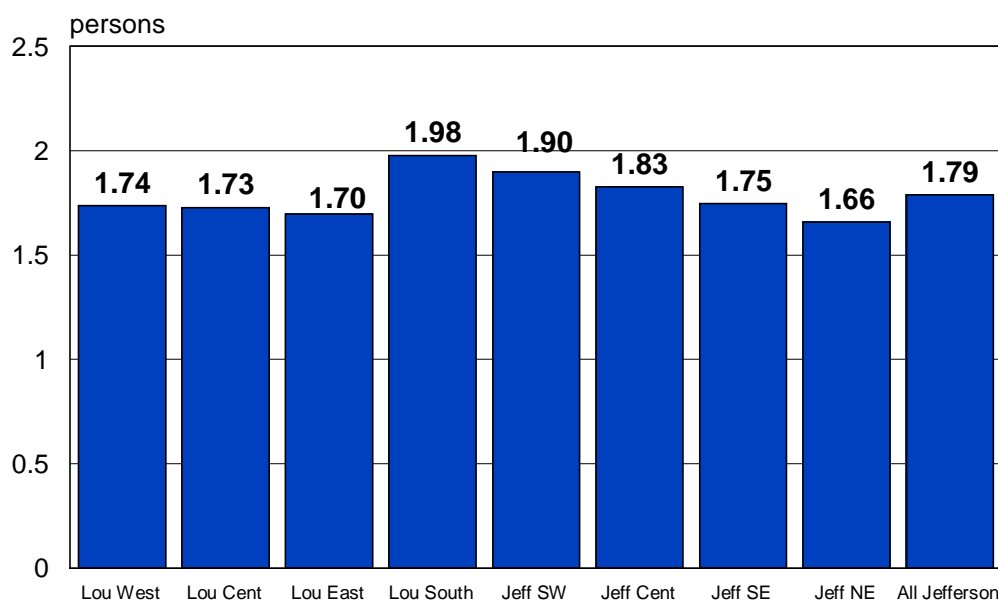


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-46

### Mean Private Vehicle (Car, Pickup, SUV) Occupancy for HBO Trips by Jefferson CCDs

By Percentage of Trips By Persons in the Randomly Selected Sample of Households (N= 9078 trips)



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure 9-47

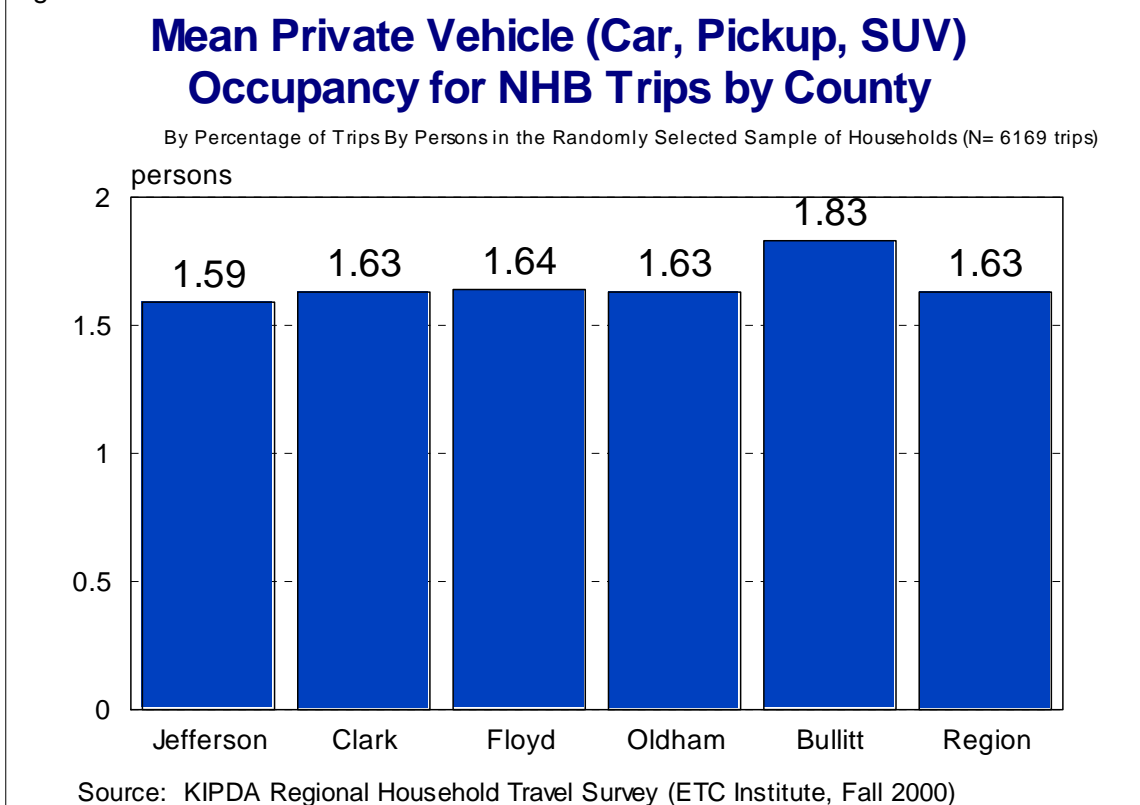


Figure 9-48

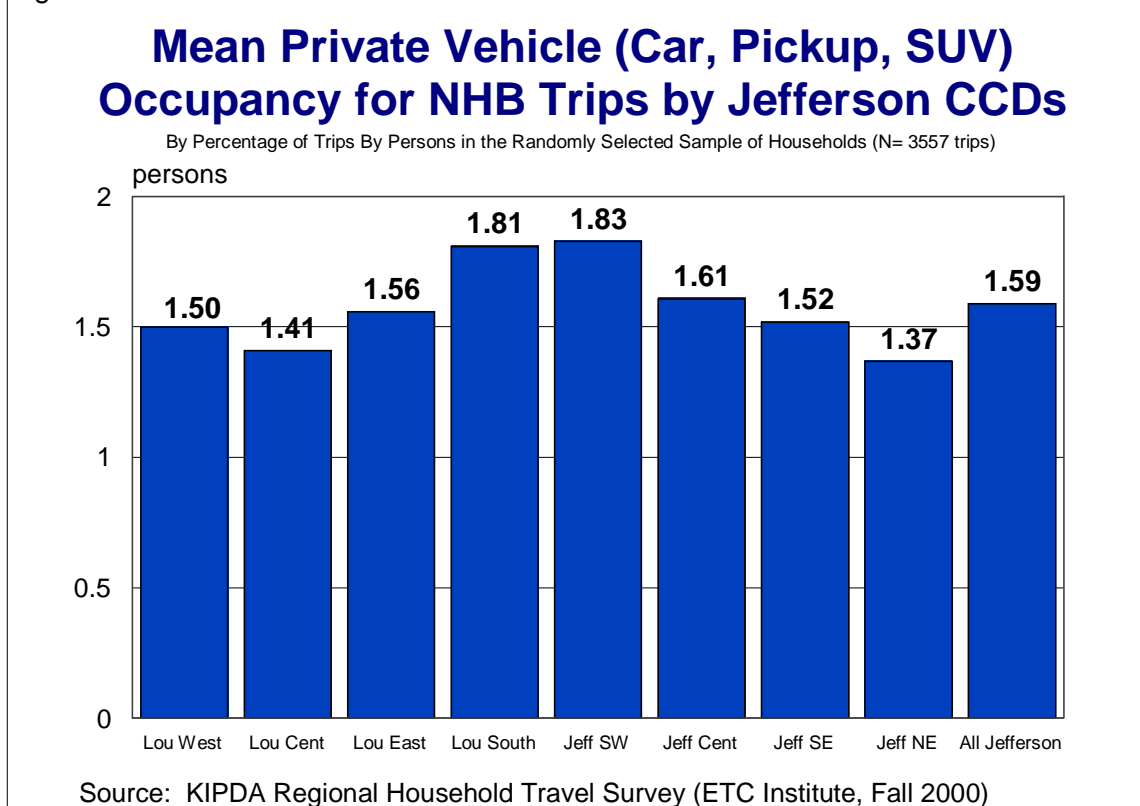


Table 9-1

**MODE OF TRAVEL - ALL TRIPS by County**

N=29069 trips	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Mode of travel</u>						
car/pickup/SUV	14374 92.5%	2721 93.2%	2558 91.6%	2841 93.6%	2546 93.5%	25040 92.7%
bicycle	13 0.1%	3 0.1%	6 0.2%	0 0.0%	2 0.1%	24 0.1%
school bus	506 3.3%	117 4.0%	160 5.7%	157 5.2%	152 5.6%	1092 4.0%
heavy truck/ farm equipment	31 0.2%	22 0.8%	12 0.4%	10 0.3%	9 0.3%	84 0.3%
inter city bus	7 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	7 0.0%
public bus	172 1.1%	6 0.2%	6 0.2%	6 0.2%	0 0.0%	190 0.7%
walked	361 2.3%	52 1.8%	44 1.6%	13 0.4%	11 0.4%	481 1.8%
taxi	11 0.1%	0 0.0%	1 0.0%	0 0.0%	0 0.0%	12 0.0%
other	59 0.4%	0 0.0%	6 0.2%	8 0.3%	4 0.1%	77 0.3%

Missing cases = 2,062 (mostly persons who stayed home all day)

Table 9-2

**MODE OF TRAVEL - ALL TRIPS by Jefferson County CCD**

N=16810 trips	geography residence								Total
	LOU								
	LOU WEST	LOU CENT	LOU EAST	SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
Mode of travel									
car/pickup/SUV	1152 87.3%	581 79.7%	2611 93.3%	1587 92.5%	2370 94.2%	2097 94.5%	1880 94.1%	2096 93.7%	14374 92.5%
bicycle	2 0.2%	0 0.0%	1 0.0%	0 0.0%	2 0.1%	0 0.0%	2 0.1%	6 0.3%	13 0.1%
school bus	51 3.9%	30 4.1%	65 2.3%	65 3.8%	92 3.7%	69 3.1%	54 2.7%	80 3.6%	506 3.3%
heavy truck/ farm equipment	14 1.1%	0 0.0%	2 0.1%	2 0.1%	0 0.0%	11 0.5%	0 0.0%	2 0.1%	31 0.2%
inter city bus	3 0.2%	3 0.4%	1 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	7 0.0%
public bus	53 4.0%	36 4.9%	23 0.8%	22 1.3%	6 0.2%	16 0.7%	7 0.4%	9 0.4%	172 1.1%
walked	44 3.3%	70 9.6%	79 2.8%	27 1.6%	39 1.5%	19 0.9%	47 2.4%	36 1.6%	361 2.3%
taxi	0 0.0%	5 0.7%	4 0.1%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2 0.1%	11 0.1%
other	0 0.0%	4 0.5%	14 0.5%	12 0.7%	8 0.3%	8 0.4%	8 0.4%	5 0.2%	59 0.4%

Missing cases = 1,276 (mostly persons who stayed home all day)

Table 9-3

**MODE OF TRAVEL – Home-based Work (HBW) Trips Only by County**

N=5098 trips

	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Mode of travel</u>						
car/pickup/SUV	2742 96.2%	583 98.6%	553 97.5%	564 98.9%	517 99.4%	4959 97.3%
bicycle	0 0.0%	2 0.3%	2 0.4%	0 0.0%	0 0.0%	4 0.1%
school bus	2 0.1%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2 0.0%
heavy truck/ farm equipment	12 0.4%	2 0.3%	4 0.7%	4 0.7%	3 0.6%	25 0.5%
inter city bus	2 0.1%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2 0.0%
public bus	55 1.9%	0 0.0%	2 0.4%	0 0.0%	0 0.0%	57 1.1%
walked	27 0.9%	4 0.7%	4 0.7%	0 0.0%	0 0.0%	35 0.7%
taxi	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
other	10 0.4%	0 0.0%	2 0.4%	2 0.4%	0 0.0%	14 0.3%

Table 9-4

**MODE OF TRAVEL – Home-based Work (HBW) Trips Only by Jefferson County CCD**

N=2850 trips	geography residence								Total
	LOU								
	LOU WEST	LOU CENT	LOU EAST	SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>Mode of travel</u>									
car/pickup/SUV	250 91.6%	141 84.9%	482 97.2%	321 93.9%	382 99.2%	442 96.5%	361 98.6%	363 99.7%	2742 96.2%
bicycle	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
school bus	0 0.0%	0 0.0%	0 0.0%	2 0.6%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2 0.1%
heavy truck/ farm equipment	5 1.8%	0 0.0%	2 0.4%	0 0.0%	0 0.0%	5 1.1%	0 0.0%	0 0.0%	12 0.4%
inter city bus	2 0.7%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2 0.1%
public bus	14 5.1%	12 7.2%	7 1.4%	10 2.9%	2 0.5%	9 2.0%	1 0.3%	0 0.0%	55 1.9%
walked	2 0.7%	11 6.6%	4 0.8%	4 1.2%	1 0.3%	2 0.4%	3 0.8%	0 0.0%	27 0.9%
taxi	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
other	0 0.0%	2 1.2%	1 0.2%	5 1.5%	0 0.0%	0 0.0%	1 0.3%	1 0.3%	10 0.4%

Table 9-5

**MODE OF TRAVEL – Home-based Other (HBO) Trips Only by County**

N=15638 trips	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Mode of travel</u>						
car/pickup/SUV	8278 91.2%	1468 90.5%	1413 88.4%	1543 90.2%	1473 90.4%	14175 90.7%
bicycle	13 0.1%	0 0.0%	2 0.1%	0 0.0%	2 0.1%	17 0.1%
school bus	403 4.4%	109 6.7%	142 8.9%	146 8.5%	140 8.6%	940 6.0%
heavy truck/ farm equipment	6 0.1%	2 0.1%	2 0.1%	4 0.2%	5 0.3%	19 0.1%
inter city bus	4 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	4 0.0%
public bus	90 1.0%	0 0.0%	2 0.1%	6 0.4%	0 0.0%	98 0.6%
walked	250 2.8%	43 2.7%	35 2.2%	7 0.4%	8 0.5%	343 2.2%
taxi	10 0.1%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	10 0.1%
other	23 0.3%	0 0.0%	2 0.1%	4 0.2%	1 0.1%	30 0.2%

Missing cases = 2



Table 9-6

**MODE OF TRAVEL – Home-based Other (HBO) Trips Only by Jefferson County CCD**

N=9078 trips	geography residence								Total
	LOU								
	LOU WEST	LOU CENT	LOU EAST	SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>Mode of travel</u>									
car/pickup/SUV	657 85.5%	312 74.6%	1492 92.0%	908 91.8%	1463 92.6%	1190 93.6%	1049 93.2%	1207 92.6%	8278 91.2%
bicycle	2 0.3%	0 0.0%	1 0.1%	0 0.0%	2 0.1%	0 0.0%	2 0.2%	6 0.5%	13 0.1%
school bus	41 5.3%	28 6.7%	50 3.1%	46 4.7%	80 5.1%	59 4.6%	40 3.6%	59 4.5%	403 4.4%
heavy truck/ farm equipment	5 0.7%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 0.1%	0 0.0%	0 0.0%	6 0.1%
inter city bus	1 0.1%	3 0.7%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	4 0.0%
public bus	30 3.9%	18 4.3%	14 0.9%	11 1.1%	1 0.1%	5 0.4%	4 0.4%	7 0.5%	90 1.0%
walked	32 4.2%	51 12.2%	56 3.5%	20 2.0%	30 1.9%	13 1.0%	27 2.4%	21 1.6%	250 2.8%
taxi	0 0.0%	4 1.0%	4 0.2%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2 0.2%	10 0.1%
other	0 0.0%	2 0.5%	5 0.3%	4 0.4%	4 0.3%	3 0.2%	4 0.4%	1 0.1%	23 0.3%

Missing cases = 1

Table 9-7

**MODE OF TRAVEL – Non-home-based (NHB) Trips Only by County**

N=6169 trips	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Mode of travel</u>						
car/pickup/SUV	3307 93.0%	655 94.5%	581 94.3%	720 97.6%	547 96.8%	5810 94.2%
bicycle	0 0.0%	1 0.1%	2 0.3%	0 0.0%	0 0.0%	3 0.0%
school bus	101 2.8%	8 1.2%	18 2.9%	9 1.2%	12 2.1%	148 2.4%
heavy truck/ farm equipment	13 0.4%	18 2.6%	6 1.0%	2 0.3%	1 0.2%	40 0.6%
inter city bus	1 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 0.0%
public bus	27 0.8%	6 0.9%	2 0.3%	0 0.0%	0 0.0%	35 0.6%
walked	84 2.4%	5 0.7%	5 0.8%	6 0.8%	3 0.5%	103 1.7%
taxi	1 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 0.0%
other	22 0.6%	0 0.0%	2 0.3%	1 0.1%	2 0.4%	27 0.4%

Missing cases = 1

Table 9-8

**MODE OF TRAVEL – Non-home-based (NHB) Trips Only by Jefferson County CCD**

N=3557 trips	geography residence								Total
	LOU								
	LOU WEST	LOU CENT	LOU EAST	SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
Mode of travel									
car/pickup/SUV	243 88.0%	124 87.9%	624 93.3%	357 93.2%	514 95.4%	464 94.7%	464 93.2%	517 92.3%	3307 93.0%
bicycle	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
school bus	10 3.6%	2 1.4%	15 2.2%	17 4.4%	12 2.2%	10 2.0%	14 2.8%	21 3.8%	101 2.8%
heavy truck/ farm equipment	4 1.4%	0 0.0%	0 0.0%	2 0.5%	0 0.0%	5 1.0%	0 0.0%	2 0.4%	13 0.4%
inter city bus	0 0.0%	0 0.0%	1 0.1%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 0.0%
public bus	9 3.3%	6 4.3%	2 0.3%	1 0.3%	3 0.6%	2 0.4%	2 0.4%	2 0.4%	27 0.8%
walked	10 3.6%	8 5.7%	19 2.8%	3 0.8%	8 1.5%	4 0.8%	17 3.4%	15 2.7%	84 2.4%
taxi	0 0.0%	1 0.7%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 0.0%
other	0 0.0%	0 0.0%	8 1.2%	3 0.8%	2 0.4%	5 1.0%	1 0.2%	3 0.5%	22 0.6%

Missing cases = 1

Table 9-9

**Private Vehicle Occupancy (cars, pickups, SUV's) - ALL TRIPS by County**

N=25040 trips	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Number in vehicle</u>						
1 person	8555 59.5%	1633 60.0%	1486 58.1%	1649 58.1%	1340 52.6%	14663 58.6%
2 persons	3884 27.0%	717 26.4%	703 27.5%	709 25.0%	672 26.4%	6685 26.7%
3+ persons	1933 13.4%	371 13.6%	369 14.4%	482 17.0%	534 21.0%	3689 14.7%

Missing cases = 3

Table 9-10

**Private Vehicle Occupancy (cars, pickups, SUV's) - ALL TRIPS by Jefferson County CCD**

N=14374 trips	geography residence								Total
	LOU								
	LOU WEST	LOU CENT	LOU EAST	SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
1 person	689 59.8%	352 60.6%	1639 62.8%	826 52.0%	1214 51.2%	1235 58.9%	1192 63.4%	1408 67.2%	8555 59.5%
2 persons	304 26.4%	166 28.6%	675 25.9%	490 30.9%	757 32.0%	562 26.8%	453 24.1%	477 22.8%	3884 27.0%
3+ persons	159 13.8%	63 10.8%	296 11.3%	271 17.1%	398 16.8%	300 14.3%	235 12.5%	211 10.1%	1933 13.4%

Missing cases = 2

Table 9-11

**Private Vehicle Occupancy (cars, pickups, SUV's) – Home-based Work (HBW) Trips Only**  
**by County**

N=4959 trips	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Number in vehicle</u>						
1 person	2393 87.3%	515 88.3%	503 91.0%	520 92.2%	481 93.0%	4412 89.0%
2 persons	288 10.5%	50 8.6%	46 8.3%	34 6.0%	29 5.6%	447 9.0%
3+ persons	61 2.2%	18 3.1%	4 0.7%	10 1.8%	7 1.4%	100 2.0%

Table 9-12

**Private Vehicle Occupancy (cars, pickups, SUV's) – Home-based Work (HBW) Trips Only**  
**by Jefferson County CCD**

N=2742 trips	geography residence								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>number in vehicle</u>									
1 person	198 79.2%	121 85.8%	416 86.3%	258 80.4%	329 86.1%	401 90.7%	342 94.7%	328 90.4%	2393 87.3%
2 persons	35 14.0%	17 12.1%	59 12.2%	53 16.5%	39 10.2%	39 8.8%	16 4.4%	30 8.3%	288 10.5%
3+ persons	17 6.8%	3 2.1%	7 1.5%	10 3.1%	14 3.7%	2 0.5%	3 0.8%	5 1.4%	61 2.2%

Table 9-13

**Private Vehicle Occupancy (cars, pickups, SUV's) – Home-based Other (HBO) Trips Only  
by County**

N=14175 trips	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Number in vehicle</u>						
1 person	4114 49.7%	717 48.8%	637 45.1%	685 44.4%	570 38.7%	6723 47.4%
2 persons	2679 32.4%	484 33.0%	493 34.9%	496 32.2%	487 33.1%	4639 32.7%
3+ persons	1484 17.9%	267 18.2%	283 20.0%	361 23.4%	416 28.2%	2811 19.8%

Missing cases = 2

Table 9-14

**Private Vehicle Occupancy (cars, pickups, SUV's) – Home-based Other (HBO) Trips Only  
by Jefferson County CCD**

N=8278 trips	geography residence								Total
	LOU								
	LOU WEST	LOU CENT	LOU EAST	SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
1 person	345 52.5%	149 47.8%	817 54.8%	386 42.5%	628 42.9%	563 47.3%	535 51.0%	691 57.2%	4114 49.7%
2 persons	191 29.1%	110 35.3%	443 29.7%	329 36.2%	548 37.5%	387 32.5%	332 31.6%	339 28.1%	2679 32.4%
3+ persons	121 18.4%	53 17.0%	231 15.5%	193 21.3%	287 19.6%	240 20.2%	182 17.3%	177 14.7%	1484 17.9%

Missing cases = 1

Table 9-15

**Private Vehicle Occupancy (cars, pickups, SUV's) – Non-home-based (NHB) Trips Only by County**

N=5810 trips	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Number in vehicle</u>						
1 person	2027 61.3%	389 59.4%	337 58.0%	433 60.1%	286 52.3%	3472 59.8%
2 persons	893 27.0%	180 27.5%	164 28.2%	176 24.4%	151 27.6%	1564 26.9%
3+ persons	386 11.7%	86 13.1%	80 13.8%	111 15.4%	110 20.1%	773 13.3%

Missing cases = 1

Table 9-16

**Private Vehicle Occupancy (cars, pickups, SUV's) – Non-home-based (NHB) Trips Only by Jefferson County CCD**

N=3307 trips	geography residence								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>Number in vehicle</u>									
1 person	146 60.1%	80 64.5%	400 64.1%	181 50.7%	249 48.5%	270 58.2%	313 67.5%	388 75.0%	2027 61.3%
2 persons	78 32.1%	37 29.8%	166 26.6%	108 30.3%	167 32.6%	136 29.3%	101 21.8%	100 19.3%	893 27.0%
3+ persons	19 7.8%	7 5.6%	58 9.3%	68 19.0%	97 18.9%	58 12.5%	50 10.8%	29 5.6%	386 11.7%

Missing cases = 1





Appendix A

*1-Minute Trip Length*

*Distributions*



**Table A-1**  
**1-Minute Trip Length Distribution - 5-COUNTY REGION**

Time (minutes)	Number	Percent
1 minute	125	0.5 %
2	344	1.4 %
3	322	1.3 %
4	170	0.7 %
5 minutes	3398	13.6 %
6	202	0.8 %
7	335	1.3 %
8	232	0.9 %
9	144	0.6 %
10 minutes	4029	16.1 %
11	111	0.4 %
12	173	0.7 %
13	135	0.5 %
14	117	0.5 %
15 minutes	4675	18.7 %
16	81	0.3 %
17	100	0.4 %
18	133	0.5 %
19	55	0.2 %
20 minutes	2780	11.1 %
21	43	0.2 %
22	76	0.3 %
23	63	0.3 %
24	41	0.2 %
25 minutes	1290	5.1 %
26	30	0.1 %
27	30	0.1 %
28	41	0.2 %
29	37	0.1 %
30 minutes	3303	13.2 %
31	10	0.0 %
32	22	0.1 %
33	19	0.1 %
34	15	0.1 %
35	438	1.7 %
36	14	0.1 %
37	20	0.1 %
38	14	0.1 %
39	6	0.0 %
40 minutes	423	1.7 %
41	6	0.0 %
42	4	0.0 %
43	10	0.0 %
44	12	0.0 %
45	598	2.4 %
46	5	0.0 %
47	2	0.0 %
48	1	0.0 %
49	3	0.0 %
50 minutes	138	0.6 %
52	1	0.0 %
53	2	0.0 %
54	2	0.0 %
55	51	0.2 %
56	1	0.0 %
57	2	0.0 %
58	6	0.0 %
59	3	0.0 %
60 minutes	617	2.5 %
Total	25060	100.0 %

Missing Cases = 4009

Response Percent = 86.2 %

**Table A-2**  
**1-Minute Trip Length Distribution By Region - BULLITT COUNTY ONLY**

<u>Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	10	0.4 %
2	55	2.2 %
3	66	2.6 %
4	22	0.9 %
5 minutes	314	12.4 %
6	15	0.6 %
7	33	1.3 %
8	16	0.6 %
9	11	0.4 %
10 minutes	349	13.8 %
11	7	0.3 %
12	6	0.2 %
13	3	0.1 %
14	7	0.3 %
15 minutes	397	15.7 %
16	3	0.1 %
17	5	0.2 %
18	2	0.1 %
19	7	0.3 %
20 minutes	253	10.0 %
21	1	0.0 %
22	4	0.2 %
23	2	0.1 %
24	2	0.1 %
25 minutes	153	6.1 %
26	2	0.1 %
28	4	0.2 %
29	4	0.2 %
30 minutes	391	15.5 %
32	2	0.1 %
33	4	0.2 %
35	77	3.0 %
36	5	0.2 %
37	4	0.2 %
40 minutes	85	3.4 %
43	1	0.0 %
44	4	0.2 %
45	101	4.0 %
47	1	0.0 %
48	1	0.0 %
49	1	0.0 %
50 minutes	19	0.8 %
55	8	0.3 %
58	2	0.1 %
59	1	0.0 %
60 minutes or more	66	2.6 %
Total	2526	100.0 %

Missing Cases = 376

Response Percent = 87.0 %

**Table A-3****1-Minute Trip Length Distribution By Region - JEFFERSON COUNTY ONLY**

Time (minutes)	Number	Percent
1 minute	51	0.4 %
2	183	1.3 %
3	156	1.1 %
4	90	0.6 %
5 minutes	2018	14.0 %
6	121	0.8 %
7	209	1.5 %
8	134	0.9 %
9	81	0.6 %
10 minutes	2467	17.1 %
11	62	0.4 %
12	106	0.7 %
13	67	0.5 %
14	77	0.5 %
15 minutes	2745	19.1 %
16	51	0.4 %
17	66	0.5 %
18	91	0.6 %
19	33	0.2 %
20 minutes	1664	11.6 %
21	30	0.2 %
22	49	0.3 %
23	44	0.3 %
24	28	0.2 %
25 minutes	715	5.0 %
26	14	0.1 %
27	21	0.1 %
28	20	0.1 %
29	25	0.2 %
30 minutes	1761	12.2 %
31	5	0.0 %
32	13	0.1 %
33	7	0.0 %
34	12	0.1 %
35	195	1.4 %
36	6	0.0 %
37	12	0.1 %
38	4	0.0 %
39	4	0.0 %
40 minutes	199	1.4 %
41	1	0.0 %
42	3	0.0 %
43	3	0.0 %
44	7	0.0 %
45	273	1.9 %
46	4	0.0 %
47	1	0.0 %
49	2	0.0 %
50 minutes	78	0.5 %
54	2	0.0 %
55	30	0.2 %
56	1	0.0 %
57	2	0.0 %
58	3	0.0 %
59	1	0.0 %
60 minutes	352	2.4 %
more than 60 minutes	0	0.0 %
Total	14399	100.0 %

Missing Cases = 2411

Response Percent = 85.7 %

**Table A-4****1-Minute Trip Length Distribution By Region - CLARK COUNTY ONLY**

<u>Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	14	0.5 %
2	36	1.3 %
3	39	1.4 %
4	12	0.4 %
5 minutes	431	15.9 %
6	16	0.6 %
7	23	0.8 %
8	21	0.8 %
9	15	0.6 %
10 minutes	391	14.4 %
11	10	0.4 %
12	19	0.7 %
13	16	0.6 %
14	8	0.3 %
15 minutes	525	19.4 %
16	5	0.2 %
17	10	0.4 %
18	15	0.6 %
19	4	0.1 %
20 minutes	274	10.1 %
21	3	0.1 %
22	3	0.1 %
23	3	0.1 %
24	4	0.1 %
25 minutes	118	4.4 %
26	4	0.1 %
27	6	0.2 %
28	3	0.1 %
29	3	0.1 %
30 minutes	400	14.8 %
32	2	0.1 %
33	1	0.0 %
35	48	1.8 %
36	1	0.0 %
37	1	0.0 %
38	1	0.0 %
39	1	0.0 %
40 minutes	45	1.7 %
41	1	0.0 %
42	1	0.0 %
43	2	0.1 %
45	73	2.7 %
50 minutes	19	0.7 %
55	6	0.2 %
58	1	0.0 %
60 minutes	76	2.8 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	2710	100.0 %

Missing Cases = 436

Response Percent = 86.1 %

**Table A-5****1-Minute Trip Length Distribution By Region - OLDHAM COUNTY ONLY**

<u>Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	42	1.5 %
2	40	1.4 %
3	31	1.1 %
4	25	0.9 %
5 minutes	263	9.3 %
6	30	1.1 %
7	32	1.1 %
8	29	1.0 %
9	14	0.5 %
10 minutes	430	15.2 %
11	24	0.8 %
12	21	0.7 %
13	24	0.8 %
14	14	0.5 %
15 minutes	437	15.5 %
16	15	0.5 %
17	12	0.4 %
18	7	0.2 %
19	5	0.2 %
20 minutes	325	11.5 %
21	5	0.2 %
22	14	0.5 %
23	6	0.2 %
24	3	0.1 %
25 minutes	162	5.7 %
26	3	0.1 %
27	2	0.1 %
28	13	0.5 %
29	4	0.1 %
30 minutes	453	16.0 %
31	5	0.2 %
32	2	0.1 %
33	4	0.1 %
34	2	0.1 %
35	70	2.5 %
36	1	0.0 %
37	2	0.1 %
38	9	0.3 %
39	1	0.0 %
40 minutes	60	2.1 %
41	3	0.1 %
43	3	0.1 %
44	1	0.0 %
45	87	3.1 %
46	1	0.0 %
50 minutes	14	0.5 %
53	2	0.1 %
55	5	0.2 %
60 minutes	70	2.5 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	2827	100.0 %

Missing Cases = 404

Response Percent = 87.5 %

**Table A-6**  
**1-Minute Trip Length Distribution By Region - FLOYD COUNTY ONLY**

<u>Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	8	0.3 %
2	30	1.2 %
3	30	1.2 %
4	21	0.8 %
5 minutes	372	14.3 %
6	20	0.8 %
7	38	1.5 %
8	32	1.2 %
9	23	0.9 %
10 minutes	392	15.1 %
11	8	0.3 %
12	21	0.8 %
13	25	1.0 %
14	11	0.4 %
15 minutes	571	22.0 %
16	7	0.3 %
17	7	0.3 %
18	18	0.7 %
19	6	0.2 %
20 minutes	264	10.2 %
21	4	0.2 %
22	6	0.2 %
23	8	0.3 %
24	4	0.2 %
25 minutes	142	5.5 %
26	7	0.3 %
27	1	0.0 %
28	1	0.0 %
29	1	0.0 %
30 minutes	298	11.5 %
32	3	0.1 %
33	3	0.1 %
34	1	0.0 %
35	48	1.8 %
36	1	0.0 %
37	1	0.0 %
40 minutes	34	1.3 %
41	1	0.0 %
43	1	0.0 %
45	64	2.5 %
50 minutes	8	0.3 %
52	1	0.0 %
55	2	0.1 %
59	1	0.0 %
60 minutes	53	2.0 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	2598	100.0 %

Missing Cases = 382

Response Percent = 87.2 %



**Table A-7**  
**1-Minute Trip Length Distribution By Region - LOU WEST CCD ONLY**

Time (minutes)	Number	Percent
1 minute	6	0.5 %
2	15	1.2 %
3	25	2.0 %
4	11	0.9 %
5 minutes	194	15.5 %
6	13	1.0 %
7	12	1.0 %
8	9	0.7 %
9	3	0.2 %
10 minutes	196	15.7 %
11	7	0.6 %
12	13	1.0 %
13	5	0.4 %
14	2	0.2 %
15 minutes	209	16.7 %
16	2	0.2 %
17	6	0.5 %
18	12	1.0 %
19	3	0.2 %
20 minutes	137	11.0 %
21	6	0.5 %
22	7	0.6 %
23	7	0.6 %
25 minutes	61	4.9 %
26	3	0.2 %
27	1	0.1 %
30 minutes	157	12.5 %
31	1	0.1 %
34	2	0.2 %
35	24	1.9 %
37	4	0.3 %
40 minutes	15	1.2 %
42	1	0.1 %
43	1	0.1 %
44	1	0.1 %
45	30	2.4 %
47	1	0.1 %
49	1	0.1 %
50 minutes	9	0.7 %
54	1	0.1 %
55	1	0.1 %
60 minutes	37	3.0 %
more than 60 minutes	0	0.0 %
Total	1251	100.0 %

Missing Cases = 239

Response Percent = 84.0 %

**Table A-8**  
**1-Minute Trip Length Distribution By Region - LOU CENTRAL CCD ONLY**

<u>Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	3	0.4 %
2	12	1.8 %
3	5	0.7 %
4	3	0.4 %
5 minutes	105	15.6 %
6	4	0.6 %
7	8	1.2 %
8	2	0.3 %
9	2	0.3 %
10 minutes	128	19.1 %
12	2	0.3 %
13	1	0.1 %
14	3	0.4 %
15 minutes	139	20.7 %
16	4	0.6 %
17	3	0.4 %
19	1	0.1 %
20 minutes	73	10.9 %
21	1	0.1 %
23	2	0.3 %
25 minutes	22	3.3 %
26	1	0.1 %
28	2	0.3 %
30 minutes	90	13.4 %
31	1	0.1 %
32	1	0.1 %
35	2	0.3 %
40 minutes	7	1.0 %
43	1	0.1 %
45	11	1.6 %
50 minutes	4	0.6 %
55	2	0.3 %
60 minutes	26	3.9 %
more than 60 minutes	0	0.0 %
Total	671	100.0 %

Missing Cases = 183

Response Percent = 78.6 %

**Table A-9**  
**1-Minute Trip Length Distribution By Region - LOU EAST CCD ONLY**

<u>Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	8	0.3 %
2	25	1.0 %
3	21	0.8 %
4	12	0.5 %
5 minutes	366	14.2 %
6	19	0.7 %
7	31	1.2 %
8	21	0.8 %
9	21	0.8 %
10 minutes	491	19.1 %
11	14	0.5 %
12	13	0.5 %
13	11	0.4 %
14	16	0.6 %
15 minutes	604	23.4 %
16	8	0.3 %
17	11	0.4 %
18	22	0.9 %
20 minutes	331	12.8 %
21	9	0.3 %
22	6	0.2 %
23	6	0.2 %
24	11	0.4 %
25 minutes	105	4.1 %
28	2	0.1 %
29	6	0.2 %
30 minutes	238	9.2 %
31	1	0.0 %
32	2	0.1 %
35	31	1.2 %
36	1	0.0 %
37	1	0.0 %
38	1	0.0 %
40 minutes	12	0.5 %
44	1	0.0 %
45	35	1.4 %
50 minutes	10	0.4 %
55	4	0.2 %
57	2	0.1 %
60 minutes	48	1.9 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	2577	100.0 %

Missing Cases = 375

Response Percent = 87.3 %

**Table A-10****1-Minute Trip Length Distribution By Region - LOU SOUTH CCD ONLY**

<u>Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	5	0.3 %
2	29	1.8 %
3	10	0.6 %
4	10	0.6 %
5 minutes	230	14.3 %
6	13	0.8 %
7	19	1.2 %
8	17	1.1 %
9	8	0.5 %
10 minutes	292	18.2 %
11	8	0.5 %
12	8	0.5 %
13	10	0.6 %
14	3	0.2 %
15 minutes	268	16.7 %
16	8	0.5 %
17	8	0.5 %
18	4	0.2 %
19	5	0.3 %
20 minutes	199	12.4 %
21	3	0.2 %
22	2	0.1 %
23	3	0.2 %
25 minutes	91	5.7 %
27	8	0.5 %
28	2	0.1 %
29	4	0.2 %
30 minutes	197	12.3 %
33	1	0.1 %
35	28	1.7 %
36	1	0.1 %
38	2	0.1 %
39	1	0.1 %
40 minutes	29	1.8 %
41	1	0.1 %
42	1	0.1 %
45	33	2.1 %
46	1	0.1 %
50 minutes	9	0.6 %
55	5	0.3 %
60 minutes	30	1.9 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	1606	100.0 %

Missing Cases = 279

Response Percent = 85.2 %

**Table A-11****1-Minute Trip Length Distribution By Region - JEFF SW CCD ONLY**

<u>Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	5	0.2 %
2	20	0.9 %
3	17	0.7 %
4	13	0.6 %
5 minutes	389	16.6 %
6	18	0.8 %
7	22	0.9 %
8	12	0.5 %
9	9	0.4 %
10 minutes	354	15.1 %
11	11	0.5 %
12	14	0.6 %
13	12	0.5 %
14	18	0.8 %
15 minutes	473	20.2 %
16	9	0.4 %
17	10	0.4 %
18	11	0.5 %
19	2	0.1 %
20 minutes	212	9.0 %
22	7	0.3 %
23	9	0.4 %
25 minutes	117	5.0 %
26	2	0.1 %
27	2	0.1 %
28	2	0.1 %
29	7	0.3 %
30 minutes	342	14.6 %
32	1	0.0 %
33	2	0.1 %
34	3	0.1 %
35	32	1.4 %
36	3	0.1 %
37	1	0.0 %
39	1	0.0 %
40 minutes	44	1.9 %
42	1	0.0 %
43	1	0.0 %
44	3	0.1 %
45	47	2.0 %
50 minutes	15	0.6 %
54	1	0.0 %
55	6	0.3 %
56	1	0.0 %
59	1	0.0 %
60 minutes	61	2.6 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	2343	100.0 %

Missing Cases = 385

Response Percent = 85.9 %

**Table A-12****1-Minute Trip Length Distribution By Region - JEFF CENTRAL CCD ONLY**

<u>Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	6	0.3 %
2	34	1.6 %
3	26	1.3 %
4	12	0.6 %
5 minutes	252	12.2 %
6	14	0.7 %
7	35	1.7 %
8	29	1.4 %
9	10	0.5 %
10 minutes	327	15.9 %
11	10	0.5 %
12	23	1.1 %
13	10	0.5 %
14	12	0.6 %
15 minutes	367	17.8 %
16	9	0.4 %
17	8	0.4 %
18	14	0.7 %
19	10	0.5 %
20 minutes	265	12.8 %
21	6	0.3 %
22	8	0.4 %
23	6	0.3 %
24	7	0.3 %
25 minutes	94	4.6 %
26	4	0.2 %
27	3	0.1 %
28	6	0.3 %
29	3	0.1 %
30 minutes	272	13.2 %
31	2	0.1 %
32	3	0.1 %
33	2	0.1 %
34	2	0.1 %
35	25	1.2 %
36	1	0.0 %
37	1	0.0 %
40 minutes	37	1.8 %
44	1	0.0 %
45	41	2.0 %
46	2	0.1 %
49	1	0.0 %
50 minutes	15	0.7 %
55	4	0.2 %
60 minutes	44	2.1 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	2063	100.0 %

Missing Cases = 364

Response Percent = 85.0 %

**Table A-13**  
**1-Minute Trip Length Distribution By Region - JEFF SE CCD ONLY**

Time (minutes)	Number	Percent
1 minute	7	0.4 %
2	13	0.7 %
3	23	1.3 %
4	10	0.5 %
5 minutes	239	13.1 %
6	15	0.8 %
7	32	1.8 %
8	13	0.7 %
9	16	0.9 %
10 minutes	312	17.2 %
11	5	0.3 %
12	9	0.5 %
13	9	0.5 %
14	7	0.4 %
15 minutes	330	18.1 %
16	1	0.1 %
17	7	0.4 %
18	13	0.7 %
19	4	0.2 %
20 minutes	206	11.3 %
21	4	0.2 %
22	10	0.5 %
23	5	0.3 %
24	4	0.2 %
25 minutes	116	6.4 %
26	1	0.1 %
27	2	0.1 %
28	3	0.2 %
30 minutes	223	12.3 %
32	4	0.2 %
34	3	0.2 %
35	27	1.5 %
37	2	0.1 %
39	2	0.1 %
40 minutes	29	1.6 %
45	41	2.3 %
50 minutes	8	0.4 %
55	5	0.3 %
58	2	0.1 %
60 minutes	57	3.1 %
more than 60 minutes	0	0.0 %
Total	1819	100.0 %

Missing Cases = 308

Response Percent = 85.5 %

**Table A-14**  
**1-Minute Trip Length Distribution By Region - JEFF NE CCD ONLY**

<u>Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	11	0.5 %
2	35	1.7 %
3	29	1.4 %
4	19	0.9 %
5 minutes	243	11.7 %
6	25	1.2 %
7	50	2.4 %
8	31	1.5 %
9	12	0.6 %
10 minutes	367	17.7 %
11	7	0.3 %
12	24	1.2 %
13	9	0.4 %
14	16	0.8 %
15 minutes	355	17.2 %
16	10	0.5 %
17	13	0.6 %
18	15	0.7 %
19	8	0.4 %
20 minutes	241	11.6 %
21	1	0.0 %
22	9	0.4 %
23	6	0.3 %
24	6	0.3 %
25 minutes	109	5.3 %
26	3	0.1 %
27	5	0.2 %
28	3	0.1 %
29	5	0.2 %
30 minutes	242	11.7 %
32	2	0.1 %
33	2	0.1 %
34	2	0.1 %
35	26	1.3 %
37	3	0.1 %
38	1	0.0 %
40 minutes	26	1.3 %
44	1	0.0 %
45	35	1.7 %
46	1	0.0 %
50 minutes	8	0.4 %
55	3	0.1 %
58	1	0.0 %
60 minutes	49	2.4 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	2069	100.0 %

Missing Cases = 278

Response Percent = 88.2 %



**Table A-15****1-Minute Trip Lengths for Home-based Work (HBW) Trips - 5-COUNTY REGION**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	14	0.3 %
2	11	0.2 %
3	9	0.2 %
4	5	0.1 %
5 minutes	262	5.3 %
6	11	0.2 %
7	32	0.6 %
8	16	0.3 %
9	18	0.4 %
10 minutes	505	10.2 %
11	12	0.2 %
12	27	0.5 %
13	26	0.5 %
14	13	0.3 %
15 minutes	875	17.7 %
16	14	0.3 %
17	17	0.3 %
18	17	0.3 %
19	9	0.2 %
20 minutes	615	12.4 %
21	3	0.1 %
22	24	0.5 %
23	19	0.4 %
24	5	0.1 %
25 minutes	377	7.6 %
26	9	0.2 %
27	10	0.2 %
28	11	0.2 %
29	3	0.1 %
30 minutes	1197	24.2 %
31	1	0.0 %
32	9	0.2 %
33	5	0.1 %
34	4	0.1 %
35	168	3.4 %
36	4	0.1 %
37	7	0.1 %
38	4	0.1 %
39	1	0.0 %
40 minutes	142	2.9 %
41	2	0.0 %
43	4	0.1 %
44	2	0.0 %
45	214	4.3 %
48	1	0.0 %
50 minutes	30	0.6 %
52	1	0.0 %
53	2	0.0 %
55	17	0.3 %
60 minutes or more	165	3.3 %
Total	4949	100.0 %

Missing Cases = 149

Response Percent = 97.1 %

**Table A-16****1-Minute Trip Lengths for Home-based Work (HBW) Trips - BULLITT COUNTY ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	0	0.0 %
3	1	0.2 %
5 minutes	36	7.1 %
7	4	0.8 %
8	2	0.4 %
9	1	0.2 %
10 minutes	26	5.1 %
12	2	0.4 %
15 minutes	83	16.3 %
19	1	0.2 %
20 minutes	38	7.5 %
23	1	0.2 %
25 minutes	38	7.5 %
26	2	0.4 %
28	1	0.2 %
29	1	0.2 %
30 minutes	150	29.5 %
32	2	0.4 %
33	1	0.2 %
35	29	5.7 %
36	2	0.4 %
37	1	0.2 %
40 minutes	27	5.3 %
43	1	0.2 %
45	40	7.9 %
48	1	0.2 %
50 minutes	6	1.2 %
55	4	0.8 %
60 minutes or more	8	1.6 %
Total	509	100.0 %

Missing Cases = 11

Response Percent = 97.9 %

**Table A-17****1 Minute Trip Lengths for Home-based Work (HBW) Trips - JEFFERSON COUNTY ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	5	0.2 %
2	9	0.3 %
4	2	0.1 %
5 minutes	124	4.5 %
6	9	0.3 %
7	17	0.6 %
8	8	0.3 %
9	14	0.5 %
10 minutes	335	12.1 %
11	8	0.3 %
12	16	0.6 %
13	17	0.6 %
14	11	0.4 %
15 minutes	534	19.4 %
16	11	0.4 %
17	11	0.4 %
18	11	0.4 %
19	6	0.2 %
20 minutes	378	13.7 %
21	2	0.1 %
22	14	0.5 %
23	13	0.5 %
24	2	0.1 %
25 minutes	209	7.6 %
26	3	0.1 %
27	8	0.3 %
28	6	0.2 %
29	2	0.1 %
30 minutes	618	22.4 %
32	5	0.2 %
33	2	0.1 %
34	4	0.1 %
35	70	2.5 %
36	1	0.0 %
37	6	0.2 %
38	2	0.1 %
40 minutes	62	2.2 %
43	1	0.0 %
44	1	0.0 %
45	88	3.2 %
50 minutes	15	0.5 %
55	8	0.3 %
60 minutes or more	90	3.3 %
Total	2758	100.0 %

Missing Cases = 92

Response Percent = 96.8 %

**Table A-18****1-Minute Trip Lengths for Home-based Work (HBW) Trips - CLARK COUNTY ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	2	0.4 %
2	1	0.2 %
3	1	0.2 %
5 minutes	43	7.5 %
7	1	0.2 %
8	3	0.5 %
9	2	0.4 %
10 minutes	47	8.2 %
11	1	0.2 %
12	3	0.5 %
13	4	0.7 %
15 minutes	96	16.8 %
16	2	0.4 %
17	2	0.4 %
18	2	0.4 %
20 minutes	80	14.0 %
22	1	0.2 %
23	2	0.4 %
24	1	0.2 %
25 minutes	34	6.0 %
26	2	0.4 %
27	1	0.2 %
30 minutes	139	24.3 %
33	1	0.2 %
35	22	3.9 %
40 minutes	14	2.5 %
41	1	0.2 %
43	1	0.2 %
45	25	4.4 %
50 minutes	5	0.9 %
55	3	0.5 %
60 minutes or more	29	5.1 %
Total	571	100.0 %

Missing Cases = 20

Response Percent = 96.6 %

**Table A-19****1-Minute Trip Lengths for Home-based Work (HBW) Trips - OLDHAM COUNTY ONLY**

New Time (minutes)	Number	Percent
1 minute	3	0.5 %
2	1	0.2 %
3	5	0.9 %
4	2	0.4 %
5 minutes	20	3.6 %
6	2	0.4 %
7	4	0.7 %
10 minutes	31	5.6 %
11	2	0.4 %
12	2	0.4 %
13	1	0.2 %
14	2	0.4 %
15 minutes	61	11.0 %
17	2	0.4 %
18	1	0.2 %
19	1	0.2 %
20 minutes	61	11.0 %
21	1	0.2 %
22	6	1.1 %
24	1	0.2 %
25 minutes	39	7.0 %
26	1	0.2 %
27	1	0.2 %
28	3	0.5 %
30 minutes	178	32.1 %
31	1	0.2 %
33	1	0.2 %
35	28	5.0 %
38	2	0.4 %
39	1	0.2 %
40 minutes	22	4.0 %
41	1	0.2 %
43	1	0.2 %
44	1	0.2 %
45	33	5.9 %
50 minutes	4	0.7 %
53	2	0.4 %
55	1	0.2 %
60 minutes or more	26	4.7 %
Total	555	100.0 %

Missing Cases = 15

Response Percent = 97.4 %

**Table A-20****1-Minute Trip Lengths for Home-based Work (HBW) Trips - FLOYD COUNTY ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	4	0.7 %
3	2	0.4 %
4	1	0.2 %
5 minutes	39	7.0 %
7	6	1.1 %
8	3	0.5 %
9	1	0.2 %
10 minutes	66	11.9 %
11	1	0.2 %
12	4	0.7 %
13	4	0.7 %
15 minutes	101	18.2 %
16	1	0.2 %
17	2	0.4 %
18	3	0.5 %
19	1	0.2 %
20 minutes	58	10.4 %
22	3	0.5 %
23	3	0.5 %
24	1	0.2 %
25 minutes	57	10.3 %
26	1	0.2 %
28	1	0.2 %
30 minutes	112	20.1 %
32	2	0.4 %
35	19	3.4 %
36	1	0.2 %
40 minutes	17	3.1 %
45	28	5.0 %
50 minutes	0	0.0 %
52	1	0.2 %
55	1	0.2 %
60 minutes or more	12	2.2 %
Total	556	100.0 %

Missing Cases = 11

Response Percent = 98.1 %

**Table A-21****1-Minute Trip Lengths for Home-based Work (HBW) Trips - LOU WEST CCD ONLY**

New Time (minutes)	Number	Percent
1 minute	0	0.0 %
2	2	0.8 %
5 minutes	12	4.5 %
7	1	0.4 %
8	1	0.4 %
10 minutes	41	15.5 %
11	2	0.8 %
12	6	2.3 %
13	4	1.5 %
15 minutes	51	19.2 %
17	3	1.1 %
18	3	1.1 %
20 minutes	36	13.6 %
25 minutes	22	8.3 %
30 minutes	44	16.6 %
34	1	0.4 %
35	4	1.5 %
37	1	0.4 %
40 minutes	6	2.3 %
45	9	3.4 %
50 minutes	1	0.4 %
55	1	0.4 %
60 minutes or more	14	5.3 %
Total	265	100.0 %

Missing Cases = 8

Response Percent = 97.1 %

**Table A-22****1-Minute Trip Lengths for Home-based Work (HBW) Trips - LOU CENTRAL CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	3	1.9 %
2	1	0.6 %
5 minutes	11	6.8 %
6	1	0.6 %
10 minutes	18	11.2 %
12	1	0.6 %
14	2	1.2 %
15 minutes	34	21.1 %
17	2	1.2 %
20 minutes	20	12.4 %
23	2	1.2 %
25 minutes	9	5.6 %
28	1	0.6 %
30 minutes	39	24.2 %
40 minutes	2	1.2 %
45	5	3.1 %
50 minutes	0	0.0 %
60 minutes or more	10	6.2 %
Total	161	100.0 %

Missing Cases = 5

Response Percent = 97.0 %



**Table A-23****1-Minute Trip Lengths for Home-based Work (HBW) Trips - LOU EAST CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	0	0.0 %
5 minutes	30	6.3 %
7	1	0.2 %
8	1	0.2 %
9	3	0.6 %
10 minutes	65	13.7 %
11	1	0.2 %
12	2	0.4 %
13	1	0.2 %
14	3	0.6 %
15 minutes	134	28.2 %
16	2	0.4 %
18	1	0.2 %
20 minutes	91	19.2 %
21	1	0.2 %
22	2	0.4 %
23	2	0.4 %
24	1	0.2 %
25 minutes	25	5.3 %
29	1	0.2 %
30 minutes	75	15.8 %
35	7	1.5 %
40 minutes	1	0.2 %
44	1	0.2 %
45	9	1.9 %
50 minutes	2	0.4 %
60 minutes or more	13	2.7 %
Total	475	100.0 %

Missing Cases = 21

Response Percent = 95.8 %

**Table A-24****1-Minute Trip Lengths for Home-based Work (HBW) Trips - LOU SOUTH CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	0	0.0 %
2	3	0.9 %
5 minutes	9	2.7 %
7	2	0.6 %
9	4	1.2 %
10 minutes	41	12.2 %
11	1	0.3 %
12	1	0.3 %
13	1	0.3 %
15 minutes	73	21.7 %
16	3	0.9 %
17	1	0.3 %
18	2	0.6 %
19	1	0.3 %
20 minutes	38	11.3 %
21	1	0.3 %
23	1	0.3 %
25 minutes	29	8.6 %
27	4	1.2 %
28	1	0.3 %
30 minutes	86	25.6 %
35	15	4.5 %
36	1	0.3 %
38	2	0.6 %
40 minutes	9	2.7 %
45	4	1.2 %
50 minutes	0	0.0 %
55	1	0.3 %
60 minutes or more	2	0.6 %
Total	336	100.0 %

Missing Cases = 6

Response Percent = 98.2 %

**Table A-25****1-Minute Trip Lengths for Home-based Work (HBW) Trips - JEFF SW CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	0	0.0 %
4	2	0.5 %
5 minutes	21	5.6 %
6	1	0.3 %
7	4	1.1 %
8	1	0.3 %
9	2	0.5 %
10 minutes	46	12.2 %
13	3	0.8 %
14	2	0.5 %
15 minutes	66	17.5 %
16	2	0.5 %
17	1	0.3 %
19	1	0.3 %
20 minutes	36	9.5 %
22	1	0.3 %
23	2	0.5 %
25 minutes	35	9.3 %
30 minutes	95	25.2 %
34	1	0.3 %
35	9	2.4 %
37	1	0.3 %
40 minutes	12	3.2 %
43	1	0.3 %
45	17	4.5 %
50 minutes	3	0.8 %
55	2	0.5 %
60 minutes or more	10	2.7 %
Total	377	100.0 %

Missing Cases = 8

Response Percent = 97.9 %

**Table A-26****1-Minute Trip Lengths for Home-based Work (HBW) Trips - JEFF CENTRAL CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	1	0.2 %
2	2	0.4 %
5 minutes	10	2.2 %
7	2	0.4 %
8	4	0.9 %
9	3	0.7 %
10 minutes	46	10.3 %
11	1	0.2 %
12	2	0.4 %
13	3	0.7 %
14	2	0.4 %
15 minutes	82	18.4 %
16	1	0.2 %
17	2	0.4 %
19	3	0.7 %
20 minutes	63	14.1 %
22	2	0.4 %
23	3	0.7 %
24	1	0.2 %
25 minutes	24	5.4 %
26	2	0.4 %
27	2	0.4 %
28	2	0.4 %
29	1	0.2 %
30 minutes	113	25.3 %
32	1	0.2 %
33	1	0.2 %
34	1	0.2 %
35	11	2.5 %
37	1	0.2 %
40 minutes	15	3.4 %
45	21	4.7 %
50 minutes	4	0.9 %
55	1	0.2 %
60 minutes or more	13	2.9 %
Total	446	100.0 %

Missing Cases = 12

Response Percent = 97.4 %

**Table A-27****1-Minute Trip Lengths for Home-based Work (HBW) Trips - JEFF SE CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	1	0.3 %
5 minutes	16	4.6 %
6	3	0.9 %
9	1	0.3 %
10 minutes	38	10.9 %
11	2	0.6 %
12	2	0.6 %
13	4	1.1 %
14	1	0.3 %
15 minutes	54	15.4 %
16	1	0.3 %
18	4	1.1 %
19	1	0.3 %
20 minutes	49	14.0 %
22	4	1.1 %
23	1	0.3 %
25 minutes	36	10.3 %
27	1	0.3 %
28	1	0.3 %
30 minutes	78	22.3 %
32	2	0.6 %
34	1	0.3 %
35	10	2.9 %
37	1	0.3 %
40 minutes	8	2.3 %
45	13	3.7 %
50 minutes	3	0.9 %
55	2	0.6 %
60 minutes or more	12	3.4 %
Total	350	100.0 %

Missing Cases = 16

Response Percent = 95.6 %

**Table A-28****1-Minute Trip Lengths for Home-based Work (HBW) Trips - JEFF NE CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	0	0.0 %
2	1	0.3 %
5 minutes	15	4.3 %
6	4	1.1 %
7	7	2.0 %
8	1	0.3 %
9	1	0.3 %
10 minutes	40	11.5 %
11	1	0.3 %
12	2	0.6 %
13	1	0.3 %
14	1	0.3 %
15 minutes	40	11.5 %
16	2	0.6 %
17	2	0.6 %
18	1	0.3 %
20 minutes	45	12.9 %
22	5	1.4 %
23	2	0.6 %
25 minutes	29	8.3 %
26	1	0.3 %
27	1	0.3 %
28	1	0.3 %
30 minutes	88	25.3 %
32	2	0.6 %
33	1	0.3 %
35	14	4.0 %
37	2	0.6 %
40 minutes	9	2.6 %
45	10	2.9 %
50 minutes	2	0.6 %
55	1	0.3 %
60 minutes or more	16	4.6 %
Total	348	100.0 %

Missing Cases = 16

Response Percent = 95.6 %

**Table A-29****1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only – 5- COUNTY****REGION**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	45	0.3 %
2	199	1.4 %
3	199	1.4 %
4	88	0.6 %
5 minutes	2305	15.7 %
6	148	1.0 %
7	228	1.5 %
8	150	1.0 %
9	90	0.6 %
10 minutes	2608	17.7 %
11	71	0.5 %
12	106	0.7 %
13	73	0.5 %
14	60	0.4 %
15 minutes	2855	19.4 %
16	49	0.3 %
17	57	0.4 %
18	75	0.5 %
19	25	0.2 %
20 minutes	1626	11.0 %
21	25	0.2 %
22	37	0.3 %
23	34	0.2 %
24	29	0.2 %
25 minutes	674	4.6 %
26	13	0.1 %
27	14	0.1 %
28	18	0.1 %
29	22	0.1 %
30 minutes	1627	11.1 %
31	5	0.0 %
32	11	0.1 %
33	12	0.1 %
34	4	0.0 %
35	199	1.4 %
36	7	0.0 %
37	11	0.1 %
38	7	0.0 %
39	2	0.0 %
40 minutes	213	1.4 %
41	4	0.0 %
42	1	0.0 %
43	5	0.0 %
44	3	0.0 %
45	271	1.8 %
46	3	0.0 %
47	1	0.0 %
49	3	0.0 %
50 minutes	80	0.5 %
54	1	0.0 %
55	21	0.1 %
56	1	0.0 %
57	2	0.0 %
58	5	0.0 %
60 minutes	298	2.0 %
more than 60 minutes	0	0.0 %
Total	14720	100.0 %

Missing Cases = 918

Response Percent = 94.1 %

**Table A-30****1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only -BULLITT COUNTY ONLY**

New Time (minutes)	Number	Percent
1 minute	8	0.5 %
2	45	3.0 %
3	38	2.5 %
4	12	0.8 %
5 minutes	202	13.3 %
6	8	0.5 %
7	15	1.0 %
8	10	0.7 %
9	8	0.5 %
10 minutes	238	15.7 %
11	5	0.3 %
12	3	0.2 %
13	2	0.1 %
14	3	0.2 %
15 minutes	248	16.3 %
16	1	0.1 %
17	3	0.2 %
18	1	0.1 %
19	3	0.2 %
20 minutes	168	11.1 %
21	1	0.1 %
22	2	0.1 %
24	2	0.1 %
25 minutes	88	5.8 %
28	2	0.1 %
29	1	0.1 %
30 minutes	200	13.2 %
33	3	0.2 %
35	40	2.6 %
36	3	0.2 %
37	3	0.2 %
40 minutes	46	3.0 %
44	2	0.1 %
45	54	3.6 %
49	1	0.1 %
50 minutes	10	0.7 %
58	2	0.1 %
60 minutes	36	2.4 %
more than 60 minutes	0	0.0 %
Total	1517	100.0 %

Missing Cases = 112

Response Percent = 93.1 %



**Table A-31****1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only - JEFFERSON COUNTY ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	14	0.2 %
2	96	1.1 %
3	98	1.2 %
4	47	0.6 %
5 minutes	1437	16.9 %
6	90	1.1 %
7	146	1.7 %
8	91	1.1 %
9	45	0.5 %
10 minutes	1581	18.6 %
11	39	0.5 %
12	64	0.8 %
13	34	0.4 %
14	41	0.5 %
15 minutes	1643	19.3 %
16	28	0.3 %
17	37	0.4 %
18	52	0.6 %
19	15	0.2 %
20 minutes	953	11.2 %
21	16	0.2 %
22	25	0.3 %
23	25	0.3 %
24	21	0.2 %
25 minutes	373	4.4 %
26	8	0.1 %
27	10	0.1 %
28	8	0.1 %
29	18	0.2 %
30 minutes	871	10.2 %
31	2	0.0 %
32	7	0.1 %
33	3	0.0 %
34	3	0.0 %
35	85	1.0 %
36	3	0.0 %
37	6	0.1 %
38	1	0.0 %
39	2	0.0 %
40 minutes	105	1.2 %
41	1	0.0 %
43	2	0.0 %
44	1	0.0 %
45	119	1.4 %
46	2	0.0 %
47	1	0.0 %
49	2	0.0 %
50 minutes	44	0.5 %
54	1	0.0 %
55	14	0.2 %
56	1	0.0 %
57	2	0.0 %
58	2	0.0 %
60 minutes	178	2.1 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	8513	100.0 %

Missing Cases = 565

Response Percent = 93.8 %

**Table A-32****1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only - CLARK COUNTY ONLY**

New Time (minutes)	Number	Percent
1 minute	5	0.3 %
2	24	1.6 %
3	24	1.6 %
4	6	0.4 %
5 minutes	267	17.3 %
6	16	1.0 %
7	19	1.2 %
8	13	0.8 %
9	9	0.6 %
10 minutes	247	16.0 %
11	5	0.3 %
12	9	0.6 %
13	10	0.6 %
14	5	0.3 %
15 minutes	317	20.6 %
16	2	0.1 %
17	5	0.3 %
18	8	0.5 %
19	1	0.1 %
20 minutes	150	9.7 %
21	2	0.1 %
22	2	0.1 %
24	2	0.1 %
25 minutes	46	3.0 %
26	1	0.1 %
27	4	0.3 %
28	2	0.1 %
29	2	0.1 %
30 minutes	202	13.1 %
32	2	0.1 %
35	18	1.2 %
37	1	0.1 %
38	1	0.1 %
40 minutes	22	1.4 %
42	1	0.1 %
43	1	0.1 %
45	35	2.3 %
50 minutes	13	0.8 %
55	2	0.1 %
58	1	0.1 %
60 minutes	39	2.5 %
more than 60 minutes	0	0.0 %
Total	1541	100.0 %

Missing Cases = 81

Response Percent = 95.0 %

**Table A-33****1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only - OLDHAM COUNTY ONLY**

New Time (minutes)	Number	Percent
1 minute	18	1.1 %
2	21	1.3 %
3	14	0.9 %
4	10	0.6 %
5 minutes	154	9.5 %
6	19	1.2 %
7	18	1.1 %
8	17	1.0 %
9	11	0.7 %
10 minutes	300	18.4 %
11	16	1.0 %
12	17	1.0 %
13	16	1.0 %
14	6	0.4 %
15 minutes	288	17.7 %
16	14	0.9 %
17	8	0.5 %
18	3	0.2 %
19	3	0.2 %
20 minutes	195	12.0 %
21	2	0.1 %
22	5	0.3 %
23	6	0.4 %
24	2	0.1 %
25 minutes	94	5.8 %
26	1	0.1 %
28	6	0.4 %
30 minutes	208	12.8 %
31	3	0.2 %
32	1	0.1 %
33	3	0.2 %
35	37	2.3 %
36	1	0.1 %
37	1	0.1 %
38	5	0.3 %
40 minutes	29	1.8 %
41	2	0.1 %
43	2	0.1 %
45	36	2.2 %
46	1	0.1 %
50 minutes	9	0.6 %
55	4	0.2 %
60 minutes	22	1.4 %
more than 60 minutes	0	0.0 %
Total	1628	100.0 %

Missing Cases = 83

Response Percent = 95.1 %

**Table A-34****1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only - FLOYD COUNTY ONLY**

New Time (minutes)	Number	Percent
1 minute	0	0.0 %
2	13	0.9 %
3	25	1.6 %
4	13	0.9 %
5 minutes	245	16.1 %
6	15	1.0 %
7	30	2.0 %
8	19	1.2 %
9	17	1.1 %
10 minutes	242	15.9 %
11	6	0.4 %
12	13	0.9 %
13	11	0.7 %
14	5	0.3 %
15 minutes	359	23.6 %
16	4	0.3 %
17	4	0.3 %
18	11	0.7 %
19	3	0.2 %
20 minutes	160	10.5 %
21	4	0.3 %
22	3	0.2 %
23	3	0.2 %
24	2	0.1 %
25 minutes	73	4.8 %
26	3	0.2 %
29	1	0.1 %
30 minutes	146	9.6 %
32	1	0.1 %
33	3	0.2 %
34	1	0.1 %
35	19	1.2 %
40 minutes	11	0.7 %
41	1	0.1 %
45	27	1.8 %
50 minutes	4	0.3 %
55	1	0.1 %
60 minutes	23	1.5 %
more than 60 minutes	0	0.0 %
Total	1521	100.0 %

Missing Cases = 77

Response Percent = 95.2 %

Table A-35

**1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only - LOU WEST CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	2	0.3 %
2	11	1.5 %
3	17	2.3 %
4	8	1.1 %
5 minutes	146	19.9 %
6	9	1.2 %
7	9	1.2 %
8	7	1.0 %
9	3	0.4 %
10 minutes	116	15.8 %
11	5	0.7 %
12	5	0.7 %
14	1	0.1 %
15 minutes	110	15.0 %
16	2	0.3 %
17	3	0.4 %
18	8	1.1 %
19	1	0.1 %
20 minutes	71	9.7 %
21	2	0.3 %
22	6	0.8 %
23	5	0.7 %
25 minutes	32	4.4 %
26	2	0.3 %
27	1	0.1 %
30 minutes	85	11.6 %
34	1	0.1 %
35	15	2.0 %
37	3	0.4 %
40 minutes	7	1.0 %
43	1	0.1 %
45	12	1.6 %
47	1	0.1 %
49	1	0.1 %
50 minutes	8	1.1 %
54	1	0.1 %
60 minutes	18	2.4 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	735	100.0 %

Missing Cases = 33

Response Percent = 95.7 %

**Table A-36****1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only - LOU CENTRAL  
CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	0	0.0 %
2	5	1.3 %
3	1	0.3 %
4	1	0.3 %
5 minutes	73	19.2 %
6	2	0.5 %
7	5	1.3 %
8	1	0.3 %
10 minutes	85	22.4 %
12	1	0.3 %
13	1	0.3 %
14	1	0.3 %
15 minutes	78	20.5 %
16	1	0.3 %
20 minutes	42	11.1 %
25 minutes	12	3.2 %
26	1	0.3 %
28	1	0.3 %
30 minutes	43	11.3 %
31	1	0.3 %
32	1	0.3 %
35	2	0.5 %
40 minutes	5	1.3 %
43	1	0.3 %
45	5	1.3 %
50 minutes	3	0.8 %
55	1	0.3 %
60 minutes	7	1.8 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	380	100.0 %

Missing Cases = 38

Response Percent = 90.9 %

**Table A-37****1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only - LOU EAST CCD ONLY**

New Time (minutes)	Number	Percent
1 minute	4	0.3 %
2	9	0.6 %
3	11	0.7 %
4	6	0.4 %
5 minutes	272	18.0 %
6	12	0.8 %
7	24	1.6 %
8	12	0.8 %
9	13	0.9 %
10 minutes	299	19.7 %
11	9	0.6 %
12	10	0.7 %
13	7	0.5 %
14	8	0.5 %
15 minutes	350	23.1 %
16	4	0.3 %
17	7	0.5 %
18	11	0.7 %
20 minutes	165	10.9 %
21	6	0.4 %
22	2	0.1 %
23	4	0.3 %
24	10	0.7 %
25 minutes	59	3.9 %
28	2	0.1 %
29	4	0.3 %
30 minutes	121	8.0 %
32	2	0.1 %
35	18	1.2 %
36	1	0.1 %
37	1	0.1 %
40 minutes	9	0.6 %
45	13	0.9 %
50 minutes	6	0.4 %
55	2	0.1 %
57	2	0.1 %
60 minutes	20	1.3 %
<u>more than 60 minutes</u>	0	0.0 %
Total	1515	100.0 %

Missing Cases = 107

Response Percent = 93.4 %

**Table A-38****1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only - LOU SOUTH CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	2	0.2 %
2	22	2.3 %
3	6	0.6 %
4	6	0.6 %
5 minutes	171	18.2 %
6	13	1.4 %
7	14	1.5 %
8	12	1.3 %
9	2	0.2 %
10 minutes	185	19.6 %
11	6	0.6 %
12	7	0.7 %
13	9	1.0 %
14	1	0.1 %
15 minutes	147	15.6 %
16	4	0.4 %
17	2	0.2 %
19	2	0.2 %
20 minutes	118	12.5 %
22	1	0.1 %
23	2	0.2 %
25 minutes	53	5.6 %
27	2	0.2 %
29	4	0.4 %
30 minutes	80	8.5 %
35	10	1.1 %
40 minutes	15	1.6 %
41	1	0.1 %
45	21	2.2 %
50 minutes	3	0.3 %
55	2	0.2 %
60 minutes	19	2.0 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	942	100.0 %

Missing Cases = 47

Response Percent = 95.2 %



**Table A-39****1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only - JEFF SW CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	1	0.1 %
2	6	0.4 %
3	11	0.7 %
4	6	0.4 %
5 minutes	290	19.5 %
6	15	1.0 %
7	16	1.1 %
8	8	0.5 %
9	3	0.2 %
10 minutes	226	15.2 %
11	7	0.5 %
12	12	0.8 %
13	4	0.3 %
14	10	0.7 %
15 minutes	321	21.6 %
16	6	0.4 %
17	6	0.4 %
18	10	0.7 %
19	1	0.1 %
20 minutes	141	9.5 %
22	5	0.3 %
23	7	0.5 %
25 minutes	60	4.0 %
26	1	0.1 %
27	2	0.1 %
28	2	0.1 %
29	6	0.4 %
30 minutes	192	12.9 %
32	1	0.1 %
33	1	0.1 %
35	12	0.8 %
36	2	0.1 %
39	1	0.1 %
40 minutes	25	1.7 %
44	1	0.1 %
45	16	1.1 %
50 minutes	9	0.6 %
55	4	0.3 %
56	1	0.1 %
60 minutes	37	2.5 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	1485	100.0 %

Missing Cases = 95

Response Percent = 94.0 %

**Table A-40**  
**1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only - JEFF CENTRAL**  
**CCD ONLY**

New Time (minutes)	Number	Percent
1 minute	2	0.2 %
2	16	1.3 %
3	15	1.3 %
4	7	0.6 %
5 minutes	177	14.8 %
6	13	1.1 %
7	22	1.8 %
8	23	1.9 %
9	3	0.3 %
10 minutes	211	17.7 %
11	7	0.6 %
12	12	1.0 %
13	4	0.3 %
14	6	0.5 %
15 minutes	217	18.2 %
16	7	0.6 %
17	4	0.3 %
18	7	0.6 %
19	4	0.3 %
20 minutes	163	13.7 %
21	4	0.3 %
22	4	0.3 %
23	1	0.1 %
24	5	0.4 %
25 minutes	45	3.8 %
26	1	0.1 %
27	1	0.1 %
28	3	0.3 %
29	1	0.1 %
30 minutes	124	10.4 %
31	1	0.1 %
32	1	0.1 %
33	1	0.1 %
34	1	0.1 %
35	9	0.8 %
40 minutes	19	1.6 %
45	13	1.1 %
46	1	0.1 %
49	1	0.1 %
50 minutes	9	0.8 %
55	2	0.2 %
60 minutes	25	2.1 %
more than 60 minutes	0	0.0 %
Total	1192	100.0 %

Missing Cases = 80

Response Percent = 93.7 %

**Table A-41****1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only - JEFF SE CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	2	0.2 %
2	7	0.7 %
3	16	1.5 %
4	4	0.4 %
5 minutes	150	14.4 %
6	9	0.9 %
7	23	2.2 %
8	9	0.9 %
9	12	1.1 %
10 minutes	215	20.6 %
11	2	0.2 %
12	4	0.4 %
13	4	0.4 %
14	6	0.6 %
15 minutes	188	18.0 %
17	7	0.7 %
18	6	0.6 %
19	3	0.3 %
20 minutes	107	10.2 %
21	4	0.4 %
22	4	0.4 %
23	3	0.3 %
24	3	0.3 %
25 minutes	53	5.1 %
26	1	0.1 %
30 minutes	114	10.9 %
32	2	0.2 %
34	1	0.1 %
35	10	1.0 %
37	1	0.1 %
39	1	0.1 %
40 minutes	13	1.2 %
45	20	1.9 %
50 minutes	3	0.3 %
55	2	0.2 %
58	2	0.2 %
60 minutes	34	3.3 %
<u>more than 60 minutes</u>	<u>0</u>	<u>0.0 %</u>
Total	1045	100.0 %

Missing Cases = 81

Response Percent = 92.8 %

**Table A-42****1-Minute Trip Length Distribution of Home-based Other (HBO) Trips Only - JEFF NE CCD ONLY**

New Time (minutes)	Number	Percent
1 minute	1	0.1 %
2	20	1.6 %
3	21	1.7 %
4	9	0.7 %
5 minutes	158	13.0 %
6	17	1.4 %
7	33	2.7 %
8	19	1.6 %
9	9	0.7 %
10 minutes	244	20.0 %
11	3	0.2 %
12	13	1.1 %
13	5	0.4 %
14	8	0.7 %
15 minutes	232	19.0 %
16	4	0.3 %
17	8	0.7 %
18	10	0.8 %
19	4	0.3 %
20 minutes	146	12.0 %
22	3	0.2 %
23	3	0.2 %
24	3	0.2 %
25 minutes	59	4.8 %
26	2	0.2 %
27	4	0.3 %
29	3	0.2 %
30 minutes	112	9.2 %
33	1	0.1 %
35	9	0.7 %
37	1	0.1 %
38	1	0.1 %
40 minutes	12	1.0 %
45	19	1.6 %
46	1	0.1 %
50 minutes	3	0.2 %
55	1	0.1 %
60 minutes	18	1.5 %
more than 60 minutes	0	0.0 %
Total	1219	100.0 %

Missing Cases = 84

Response Percent = 93.6 %

**Table A-43****1-Minute Trip Lengths for Non-home-based (NHB) Trips - 5-COUNTY REGION**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	66	1.2 %
2	134	2.5 %
3	114	2.2 %
4	75	1.4 %
5 minutes	828	15.7 %
6	43	0.8 %
7	75	1.4 %
8	66	1.2 %
9	36	0.7 %
10 minutes	913	17.3 %
11	28	0.5 %
12	40	0.8 %
13	36	0.7 %
14	44	0.8 %
15 minutes	941	17.8 %
16	18	0.3 %
17	26	0.5 %
18	41	0.8 %
19	21	0.4 %
20 minutes	532	10.1 %
21	14	0.3 %
22	14	0.3 %
23	10	0.2 %
24	7	0.1 %
25 minutes	237	4.5 %
26	8	0.2 %
27	6	0.1 %
28	11	0.2 %
29	12	0.2 %
30 minutes	463	8.8 %
31	4	0.1 %
32	2	0.0 %
33	2	0.0 %
34	7	0.1 %
35	69	1.3 %
36	3	0.1 %
37	2	0.0 %
38	3	0.1 %
39	3	0.1 %
40 minutes	67	1.3 %
42	3	0.1 %
43	1	0.0 %
44	7	0.1 %
45	105	2.0 %
46	2	0.0 %
47	1	0.0 %
50 minutes	26	0.5 %
54	1	0.0 %
55	13	0.2 %
58	1	0.0 %
59	3	0.1 %
<u>60 minutes or more</u>	<u>106</u>	<u>2.0 %</u>
Total	5290	100.0 %

Missing Cases = 879

Response Percent = 85.8 %

**Table A-44****1-Minute Trip Lengths for Non-home-based (NHB) Trips - BULLITT COUNTY ONLY**

New Time (minutes)	Number	Percent
1 minute	2	0.4 %
2	10	2.0 %
3	27	5.5 %
4	10	2.0 %
5 minutes	76	15.5 %
6	7	1.4 %
7	14	2.9 %
8	4	0.8 %
9	2	0.4 %
10 minutes	85	17.3 %
11	2	0.4 %
12	1	0.2 %
13	1	0.2 %
14	4	0.8 %
15 minutes	66	13.4 %
16	2	0.4 %
17	2	0.4 %
18	1	0.2 %
19	3	0.6 %
20 minutes	47	9.6 %
22	2	0.4 %
23	1	0.2 %
25 minutes	27	5.5 %
28	1	0.2 %
29	2	0.4 %
30 minutes	41	8.4 %
35	7	1.4 %
40 minutes	11	2.2 %
44	2	0.4 %
45	7	1.4 %
47	1	0.2 %
50 minutes	3	0.6 %
55	4	0.8 %
59	1	0.2 %
60 minutes or more	15	3.1 %
Total	491	100.0 %

Missing Cases = 74

Response Percent = 86.9 %

**Table A-45****1-Minute Trip Lengths for Non-home-based (NHB) Trips - JEFFERSON COUNTY ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	32	1.0 %
2	78	2.5 %
3	58	1.9 %
4	41	1.3 %
5 minutes	456	14.8 %
6	22	0.7 %
7	46	1.5 %
8	35	1.1 %
9	22	0.7 %
10 minutes	551	17.9 %
11	15	0.5 %
12	26	0.8 %
13	16	0.5 %
14	25	0.8 %
15 minutes	566	18.4 %
16	12	0.4 %
17	18	0.6 %
18	28	0.9 %
19	12	0.4 %
20 minutes	330	10.7 %
21	12	0.4 %
22	9	0.3 %
23	6	0.2 %
24	5	0.2 %
25 minutes	132	4.3 %
26	3	0.1 %
27	3	0.1 %
28	6	0.2 %
29	5	0.2 %
30 minutes	266	8.6 %
31	3	0.1 %
32	1	0.0 %
33	2	0.1 %
34	5	0.2 %
35	40	1.3 %
36	2	0.1 %
38	1	0.0 %
39	2	0.1 %
40 minutes	32	1.0 %
42	3	0.1 %
44	5	0.2 %
45	61	2.0 %
46	2	0.1 %
50 minutes	17	0.6 %
54	1	0.0 %
55	8	0.3 %
58	1	0.0 %
59	1	0.0 %
60 minutes or more	57	1.9 %
Total	3080	100.0 %

Missing Cases = 477

Response Percent = 86.6 %

**Table A-46****1-Minute Trip Lengths for Non-home-based (NHB) Trips - CLARK COUNTY ONLY**

New Time (minutes)	Number	Percent
1 minute	7	1.2 %
2	11	1.9 %
3	14	2.4 %
4	6	1.0 %
5 minutes	119	20.4 %
7	3	0.5 %
8	5	0.9 %
9	4	0.7 %
10 minutes	96	16.5 %
11	4	0.7 %
12	7	1.2 %
13	2	0.3 %
14	3	0.5 %
15 minutes	112	19.2 %
16	1	0.2 %
17	3	0.5 %
18	5	0.9 %
19	3	0.5 %
20 minutes	42	7.2 %
21	1	0.2 %
23	1	0.2 %
24	1	0.2 %
25 minutes	37	6.3 %
26	1	0.2 %
27	1	0.2 %
28	1	0.2 %
29	1	0.2 %
30 minutes	54	9.3 %
35	7	1.2 %
36	1	0.2 %
39	1	0.2 %
40 minutes	9	1.5 %
45	11	1.9 %
50 minutes	1	0.2 %
55	1	0.2 %
60 minutes or more	7	1.2 %
Total	583	100.0 %

Missing Cases = 110

Response Percent = 84.1 %



**Table A-47****1-Minute Trip Lengths for Non-home-based (NHB) Trips - OLDHAM COUNTY ONLY**

New Time (minutes)	Number	Percent
1 minute	21	3.3 %
2	18	2.9 %
3	12	1.9 %
4	13	2.1 %
5 minutes	89	14.2 %
6	9	1.4 %
7	10	1.6 %
8	12	1.9 %
9	3	0.5 %
10 minutes	97	15.5 %
11	6	1.0 %
12	2	0.3 %
13	7	1.1 %
14	6	1.0 %
15 minutes	86	13.7 %
16	1	0.2 %
17	2	0.3 %
18	3	0.5 %
19	1	0.2 %
20 minutes	68	10.8 %
21	1	0.2 %
22	3	0.5 %
25 minutes	29	4.6 %
26	1	0.2 %
27	1	0.2 %
28	3	0.5 %
29	4	0.6 %
30 minutes	66	10.5 %
31	1	0.2 %
32	1	0.2 %
34	2	0.3 %
35	5	0.8 %
37	1	0.2 %
38	2	0.3 %
40 minutes	9	1.4 %
45	17	2.7 %
50 minutes	1	0.2 %
60 minutes or more	14	2.2 %
Total	627	100.0 %

Missing Cases = 111

Response Percent = 85.0 %

**Table A-48****1-Minute Trip Lengths for Non-home-based (NHB) Trips - FLOYD COUNTY ONLY**

New Time (minutes)	Number	Percent
1 minute	4	0.8 %
2	17	3.3 %
3	3	0.6 %
4	5	1.0 %
5 minutes	88	17.3 %
6	5	1.0 %
7	2	0.4 %
8	10	2.0 %
9	5	1.0 %
10 minutes	84	16.5 %
11	1	0.2 %
12	4	0.8 %
13	10	2.0 %
14	6	1.2 %
15 minutes	111	21.8 %
16	2	0.4 %
17	1	0.2 %
18	4	0.8 %
19	2	0.4 %
20 minutes	45	8.8 %
23	2	0.4 %
24	1	0.2 %
25 minutes	12	2.4 %
26	3	0.6 %
27	1	0.2 %
30 minutes	36	7.1 %
35	10	2.0 %
37	1	0.2 %
40 minutes	6	1.2 %
43	1	0.2 %
45	9	1.8 %
50 minutes	4	0.8 %
59	1	0.2 %
60 minutes or more	13	2.6 %
Total	509	100.0 %

Missing Cases = 107

Response Percent = 82.6 %

**Table A-49****1-Minute Trip Lengths for Non-home-based (NHB) Trips - LOU WEST CCD ONLY**

New Time (minutes)	Number	Percent
1 minute	4	1.6 %
2	2	0.8 %
3	8	3.2 %
4	3	1.2 %
5 minutes	36	14.5 %
6	4	1.6 %
7	2	0.8 %
8	1	0.4 %
10 minutes	39	15.7 %
12	2	0.8 %
13	1	0.4 %
14	1	0.4 %
15 minutes	48	19.3 %
18	1	0.4 %
19	2	0.8 %
20 minutes	30	12.0 %
21	4	1.6 %
23	2	0.8 %
25 minutes	7	2.8 %
26	1	0.4 %
30 minutes	27	10.8 %
31	1	0.4 %
35	5	2.0 %
40 minutes	2	0.8 %
42	1	0.4 %
44	1	0.4 %
45	9	3.6 %
50 minutes	0	0.0 %
60 minutes or more	5	2.0 %
Total	249	100.0 %

Missing Cases = 27

Response Percent = 90.2 %

**Table A-50****1-Minute Trip Lengths for Non-home-based (NHB) Trips - LOU CENTRAL CCD ONLY**

New Time (minutes)	Number	Percent
1 minute	0	0.0 %
2	6	4.8 %
3	4	3.2 %
4	2	1.6 %
5 minutes	21	16.7 %
6	1	0.8 %
7	3	2.4 %
8	1	0.8 %
9	2	1.6 %
10 minutes	25	19.8 %
15 minutes	27	21.4 %
16	3	2.4 %
17	1	0.8 %
19	1	0.8 %
20 minutes	11	8.7 %
21	1	0.8 %
25 minutes	1	0.8 %
30 minutes	8	6.3 %
40 minutes	0	0.0 %
45	1	0.8 %
50 minutes	1	0.8 %
55	1	0.8 %
60 minutes or more	5	4.0 %
Total	126	100.0 %

Missing Cases = 15

Response Percent = 89.4 %

**Table A-51****1-Minute Trip Lengths for Non-home-based (NHB) Trips - LOU EAST CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	4	0.7 %
2	16	2.8 %
3	10	1.7 %
4	6	1.0 %
5 minutes	64	11.1 %
6	7	1.2 %
7	6	1.0 %
8	8	1.4 %
9	5	0.9 %
10 minutes	127	22.1 %
11	4	0.7 %
12	1	0.2 %
13	3	0.5 %
14	5	0.9 %
15 minutes	120	20.9 %
16	2	0.3 %
17	4	0.7 %
18	10	1.7 %
20 minutes	75	13.1 %
21	2	0.3 %
22	2	0.3 %
25 minutes	21	3.7 %
29	1	0.2 %
30 minutes	42	7.3 %
31	1	0.2 %
35	6	1.0 %
38	1	0.2 %
40 minutes	2	0.3 %
45	8	1.4 %
50 minutes	0	0.0 %
55	2	0.3 %
60 minutes or more	9	1.6 %
Total	574	100.0 %

Missing Cases = 95

Response Percent = 85.8 %

**Table A-52****1-Minute Trip Lengths for Non-home-based (NHB) Trips - LOU SOUTH CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	3	0.9 %
2	4	1.2 %
3	4	1.2 %
4	4	1.2 %
5 minutes	50	15.3 %
7	3	0.9 %
8	5	1.5 %
9	2	0.6 %
10 minutes	66	20.2 %
11	1	0.3 %
14	2	0.6 %
15 minutes	48	14.7 %
16	1	0.3 %
17	5	1.5 %
18	2	0.6 %
19	2	0.6 %
20 minutes	43	13.1 %
21	2	0.6 %
22	1	0.3 %
25 minutes	9	2.8 %
27	2	0.6 %
28	1	0.3 %
30 minutes	31	9.5 %
33	1	0.3 %
35	3	0.9 %
39	1	0.3 %
40 minutes	5	1.5 %
42	1	0.3 %
45	8	2.4 %
46	1	0.3 %
50 minutes	6	1.8 %
55	2	0.6 %
60 minutes or more	8	2.4 %
Total	327	100.0 %

Missing Cases = 56

Response Percent = 85.4 %

**Table A-53****1-Minute Trip Lengths for Non-home-based (NHB) Trips - JEFF SW CCD ONLY**

New Time (minutes)	Number	Percent
1 minute	4	0.9 %
2	14	3.0 %
3	6	1.3 %
4	5	1.1 %
5 minutes	77	16.5 %
6	2	0.4 %
7	2	0.4 %
8	3	0.6 %
9	4	0.9 %
10 minutes	82	17.5 %
11	4	0.9 %
12	2	0.4 %
13	5	1.1 %
14	6	1.3 %
15 minutes	85	18.2 %
16	1	0.2 %
17	3	0.6 %
18	1	0.2 %
20 minutes	35	7.5 %
22	1	0.2 %
25 minutes	21	4.5 %
26	1	0.2 %
29	1	0.2 %
30 minutes	51	10.9 %
33	1	0.2 %
34	2	0.4 %
35	11	2.4 %
36	1	0.2 %
40 minutes	7	1.5 %
42	1	0.2 %
44	2	0.4 %
45	14	3.0 %
50 minutes	3	0.6 %
54	1	0.2 %
59	1	0.2 %
60 minutes or more	8	1.7 %
Total	468	100.0 %

Missing Cases = 71

Response Percent = 86.8 %

**Table A-54****1-Minute Trip Lengths for Non-home-based (NHB) Trips - JEFF CENTRAL CCD ONLY**

New Time (minutes)	Number	Percent
1 minute	3	0.7 %
2	16	3.8 %
3	11	2.6 %
4	5	1.2 %
5 minutes	65	15.3 %
6	1	0.2 %
7	11	2.6 %
8	2	0.5 %
9	4	0.9 %
10 minutes	70	16.5 %
11	2	0.5 %
12	9	2.1 %
13	3	0.7 %
14	4	0.9 %
15 minutes	67	15.8 %
16	1	0.2 %
17	2	0.5 %
18	7	1.7 %
19	3	0.7 %
20 minutes	39	9.2 %
21	2	0.5 %
22	2	0.5 %
23	2	0.5 %
24	1	0.2 %
25 minutes	25	5.9 %
26	1	0.2 %
28	1	0.2 %
29	1	0.2 %
30 minutes	35	8.3 %
31	1	0.2 %
32	1	0.2 %
35	5	1.2 %
36	1	0.2 %
40 minutes	3	0.7 %
44	1	0.2 %
45	7	1.7 %
46	1	0.2 %
50 minutes	2	0.5 %
55	1	0.2 %
60 minutes or more	6	1.4 %
Total	424	100.0 %

Missing Cases = 67

Response Percent = 86.4 %



**Table A-55****1-Minute Trip Lengths for Non-home-based (NHB) Trips - JEFF SE CCD ONLY**

<u>New Time (minutes)</u>	<u>Number</u>	<u>Percent</u>
1 minute	4	1.0 %
2	6	1.4 %
3	7	1.7 %
4	6	1.4 %
5 minutes	73	17.4 %
6	3	0.7 %
7	9	2.1 %
8	4	1.0 %
9	3	0.7 %
10 minutes	59	14.1 %
11	1	0.2 %
12	3	0.7 %
13	1	0.2 %
15 minutes	88	21.0 %
18	3	0.7 %
20 minutes	48	11.5 %
22	2	0.5 %
23	1	0.2 %
24	1	0.2 %
25 minutes	27	6.4 %
27	1	0.2 %
28	2	0.5 %
30 minutes	30	7.2 %
34	1	0.2 %
35	7	1.7 %
39	1	0.2 %
40 minutes	8	1.9 %
45	8	1.9 %
50 minutes	2	0.5 %
55	1	0.2 %
60 minutes or more	9	2.1 %
Total	419	100.0 %

Missing Cases = 79

Response Percent = 84.1 %

**Table A-56****1-Minute Trip Lengths for Non-home-based (NHB) Trips - JEFF NE CCD ONLY**

New Time (minutes)	Number	Percent
1 minute	10	2.0 %
2	14	2.8 %
3	8	1.6 %
4	10	2.0 %
5 minutes	70	14.2 %
6	4	0.8 %
7	10	2.0 %
8	11	2.2 %
9	2	0.4 %
10 minutes	83	16.8 %
11	3	0.6 %
12	9	1.8 %
13	3	0.6 %
14	7	1.4 %
15 minutes	83	16.8 %
16	4	0.8 %
17	3	0.6 %
18	4	0.8 %
19	4	0.8 %
20 minutes	49	9.9 %
21	1	0.2 %
22	1	0.2 %
23	1	0.2 %
24	3	0.6 %
25 minutes	21	4.3 %
28	2	0.4 %
29	2	0.4 %
30 minutes	42	8.5 %
34	2	0.4 %
35	3	0.6 %
40 minutes	5	1.0 %
44	1	0.2 %
45	6	1.2 %
50 minutes	3	0.6 %
55	1	0.2 %
58	1	0.2 %
60 minutes or more	7	1.4 %
Total	493	100.0 %

Missing Cases = 67

Response Percent = 88.0 %

Appendix B

*Qualitative Trip*

*Purpose Description*



Table B-1  
**Stated Trip Purpose Distribution By COUNTY**

N=27257 trips	COUNTY					Total
	Jefferson	Clark	Floyd	Oldham	Bullitt	
<u>Purpose of trip</u>						
go return home	5550 35.4%	1035 35.1%	1030 36.4%	1077 35.0%	1009 36.8%	9701 35.6%
go return work	2253 14.4%	437 14.8%	440 15.5%	482 15.7%	414 15.1%	4026 14.8%
work related	392 2.5%	125 4.2%	77 2.7%	89 2.9%	47 1.7%	730 2.7%
shopping	2519 16.1%	509 17.3%	441 15.6%	423 13.8%	409 14.9%	4301 15.8%
go to school	757 4.8%	152 5.2%	171 6.0%	208 6.8%	163 5.9%	1451 5.3%
eat get food	867 5.5%	135 4.6%	138 4.9%	154 5.0%	125 4.6%	1419 5.2%
pick up drop off	1198 7.6%	189 6.4%	198 7.0%	251 8.2%	211 7.7%	2047 7.5%
medical/doctor	387 2.5%	69 2.3%	58 2.0%	71 2.3%	88 3.2%	673 2.5%
recreation	1022 6.5%	163 5.5%	155 5.5%	172 5.6%	151 5.5%	1663 6.1%
school related	77 0.5%	19 0.6%	17 0.6%	22 0.7%	17 0.6%	152 0.6%
change mode	95 0.6%	11 0.4%	7 0.2%	13 0.4%	15 0.5%	141 0.5%
church religious	245 1.6%	30 1.0%	20 0.7%	31 1.0%	30 1.1%	356 1.3%
other	305 1.9%	72 2.4%	79 2.8%	80 2.6%	61 2.2%	597 2.2%

Table B-2

**Stated Trip Purpose Distribution By JEFFERSON COUNTY CCD**

N=15667 trips	geography residence								Total
	LOU WEST	LOU CENT	LOU EAST	LOU SOU- TH	JEFF SW	JEFF CENT	JEFF SE	JEFF NE	
<u>Purpose of trip</u>									
go return home	482 36.3%	269 36.6%	991 35.2%	597 34.4%	923 36.3%	808 36.2%	699 34.7%	781 34.4%	5550 35.4%
go return work	201 15.1%	118 16.1%	386 13.7%	251 14.5%	314 12.4%	348 15.6%	322 16.0%	313 13.8%	2253 14.4%
work related	29 2.2%	26 3.5%	82 2.9%	21 1.2%	30 1.2%	59 2.6%	66 3.3%	79 3.5%	392 2.5%
shopping	217 16.3%	102 13.9%	455 16.2%	288 16.6%	451 17.8%	329 14.7%	300 14.9%	377 16.6%	2519 16.1%
go to school	64 4.8%	34 4.6%	132 4.7%	73 4.2%	126 5.0%	109 4.9%	107 5.3%	112 4.9%	757 4.8%
eat get food	62 4.7%	37 5.0%	155 5.5%	105 6.1%	132 5.2%	122 5.5%	125 6.2%	129 5.7%	867 5.5%
pick up drop off	99 7.5%	64 8.7%	213 7.6%	167 9.6%	210 8.3%	169 7.6%	142 7.0%	134 5.9%	1198 7.6%
medical/doctor	36 2.7%	11 1.5%	66 2.3%	35 2.0%	69 2.7%	53 2.4%	46 2.3%	71 3.1%	387 2.5%
recreation	81 6.1%	42 5.7%	196 7.0%	124 7.2%	185 7.3%	124 5.6%	116 5.8%	154 6.8%	1022 6.5%
school related	2 0.2%	7 1.0%	15 0.5%	8 0.5%	13 0.5%	5 0.2%	15 0.7%	12 0.5%	77 0.5%
change mode	10 0.8%	6 0.8%	18 0.6%	9 0.5%	9 0.4%	5 0.2%	15 0.7%	23 1.0%	95 0.6%
church religious	20 1.5%	10 1.4%	59 2.1%	19 1.1%	39 1.5%	45 2.0%	24 1.2%	29 1.3%	245 1.6%
other	25 1.9%	9 1.2%	44 1.6%	36 2.1%	39 1.5%	58 2.6%	39 1.9%	55 2.4%	305 1.9%

Table B-3

**PRIVATE VEHICLE OCCUPANCY BY PURPOSE OF TRIP in BULLITT COUNTY**  
**(includes CARS, SUVs, and PICKUPS ONLY)**

N=5751

trips

	Purpose of trip							
	go home	go to work	work related	shop-ping	go to school	eat get food	pick up drop off	medical/ doctor
<u>Number in vehicle</u>								
1 person	1527 76.7%	1137 93.5%	242 89.6%	599 70.3%	51 65.4%	191 59.3%	153 35.6%	73 59.8%
2 persons	319 16.0%	59 4.9%	19 7.0%	189 22.2%	17 21.8%	99 30.7%	172 40.0%	39 32.0%
3 persons	95 4.8%	8 0.7%	7 2.6%	39 4.6%	8 10.3%	19 5.9%	77 17.9%	9 7.4%
4+ persons	51 2.6%	12 1.0%	2 0.7%	25 2.9%	2 2.6%	13 4.0%	28 6.5%	1 0.8%
	recreati-on	school related	change mode	church	other	TOTAL		

Number in vehicle

1 person	211 69.2%	6 50.0%	5 55.6%	29 60.4%	51 60.7%	4281 74.5%
2 persons	62 20.3%	3 25.0%	1 11.1%	8 16.7%	22 26.2%	1012 17.6%
3 persons	23 7.5%	2 16.7%	3 33.3%	10 20.8%	5 6.0%	305 5.3%
4+ persons	9 3.0%	1 8.3%	0 0.0%	1 2.1%	6 7.1%	151 2.6%

Missing cases = 2

Table B-4

**PRIVATE VEHICLE OCCUPANCY BY PURPOSE OF TRIP in JEFFERSON COUNTY**  
**(includes CARS, SUVs, and PICKUPS ONLY)**

N=13809

trips

Purpose of trip

	go home	go to work	work related	shop-ping	go to school	eat get food	pick up drop off	medical/ doctor
<u>Number in vehicle</u>								
1 person	3684 76.1%	2351 93.3%	393 86.6%	1705 73.5%	142 73.6%	440 57.7%	389 33.8%	199 61.2%
2 persons	840 17.4%	124 4.9%	40 8.8%	509 21.9%	33 17.1%	243 31.8%	513 44.6%	102 31.4%
3 persons	219 4.5%	32 1.3%	16 3.5%	71 3.1%	16 8.3%	51 6.7%	182 15.8%	18 5.5%
4+ persons	97 2.0%	14 0.6%	5 1.1%	35 1.5%	2 1.0%	29 3.8%	67 5.8%	6 1.8%
	recreati- on	school related	change mode	church	other	TOTAL		

Number in vehicle

1 person	550 67.2%	33 68.8%	6 50.0%	125 66.8%	124 75.6%	10147 73.5%
2 persons	194 23.7%	6 12.5%	4 33.3%	39 20.9%	32 19.5%	2682 19.4%
3 persons	42 5.1%	7 14.6%	2 16.7%	18 9.6%	5 3.0%	679 4.9%
4+ persons	33 4.0%	2 4.2%	0 0.0%	5 2.7%	3 1.8%	298 2.2%

Missing cases = 3



Table B-5

**PRIVATE VEHICLE OCCUPANCY BY PURPOSE OF TRIP in OLDHAM COUNTY**  
**(includes CARS, SUVs, and PICKUPS ONLY)**

N=6099  
trips

Purpose of trip

	go home	go to work	work related	shopping	go to school	Eat/get food	pick up drop off	medical/doctor
<u>Number in vehicle</u>								
1 person	1613 77.0%	1216 93.6%	269 89.7%	635 71.1%	58 65.2%	209 61.5%	168 37.3%	76 65.0%
2 persons	346 16.5%	61 4.7%	21 7.0%	195 21.8%	20 22.5%	97 28.5%	180 40.0%	36 30.8%
3 persons	102 4.9%	10 0.8%	8 2.7%	40 4.5%	10 11.2%	18 5.3%	79 17.6%	4 3.4%
4+ persons	35 1.7%	12 0.9%	2 0.7%	23 2.6%	1 1.1%	16 4.7%	23 5.1%	1 0.9%
	recreati- on	school related	change mode	church	other	TOTAL		

Number in vehicle

1 person	226 67.1%	11 61.1%	5 55.6%	30 60.0%	66 73.3%	4588 75.3%
2 persons	75 22.3%	4 22.2%	2 22.2%	10 20.0%	17 18.9%	1067 17.5%
3 persons	29 8.6%	2 11.1%	1 11.1%	8 16.0%	3 3.3%	314 5.2%
4+ persons	7 2.1%	1 5.6%	1 11.1%	2 4.0%	4 4.4%	128 2.1%

Missing cases = 2

Table B-6

**PRIVATE VEHICLE OCCUPANCY BY PURPOSE OF TRIP in CLARK COUNTY**  
**(includes CARS, SUVs, and PICKUPS ONLY)**

N=6058  
trips

Purpose of trip

	go home	go to work	work related	shopping	go to school	eat get food	pick up drop off	medical/ doctor
1 person	1629 78.4%	1190 93.9%	293 88.8%	637 69.2%	55 66.3%	223 63.4%	157 37.6%	71 61.7%
2 persons	327 15.7%	59 4.7%	25 7.6%	208 22.6%	19 22.9%	93 26.4%	175 41.9%	38 33.0%
3 persons	81 3.9%	7 0.6%	8 2.4%	43 4.7%	8 9.6%	22 6.3%	68 16.3%	4 3.5%
4+ persons	40 1.9%	11 0.9%	4 1.2%	32 3.5%	1 1.2%	14 4.0%	18 4.3%	2 1.7%

	recreati- on	school related	change mode	church	other	TOTAL
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**Number in vehicle**

1 person	226 70.0%	7 41.2%	3 60.0%	31 64.6%	62 67.4%	4590 75.8%
2 persons	71 22.0%	7 41.2%	1 20.0%	10 20.8%	25 27.2%	1061 17.5%
3 persons	19 5.9%	1 5.9%	1 20.0%	6 12.5%	2 2.2%	270 4.5%
4+ persons	7 2.2%	2 11.8%	0 0.0%	1 2.1%	3 3.3%	135 2.2%

Missing cases = 2

Table B-7

**PRIVATE VEHICLE OCCUPANCY BY PURPOSE OF TRIP in FLOYD COUNTY**  
**(includes CARS, SUVs, and PICKUPS ONLY)**

N=5978  
trips

Purpose of trip

	go home	go to work	work related	shopping	go to school	Eat/ get Food	pick up drop off	medical/ doctor
<u>Number in vehicle</u>								
1 person	1600 77.4%	1163 92.8%	270 90.0%	638 70.6%	64 71.9%	207 59.7%	151 36.1%	71 63.4%
2 persons	345 16.7%	63 5.0%	21 7.0%	204 22.6%	14 15.7%	103 29.7%	170 40.7%	36 32.1%
3 persons	88 4.3%	16 1.3%	7 2.3%	39 4.3%	10 11.2%	23 6.6%	71 17.0%	3 2.7%
4+ persons	35 1.7%	11 0.9%	2 0.7%	23 2.5%	1 1.1%	14 4.0%	26 6.2%	2 1.8%
	recreati- on	school related	change mode	church	other	TOTAL		

Number in vehicle

1 person	221 68.8%	10 52.6%	5 71.4%	31 67.4%	54 65.1%	4491 75.2%
2 persons	73 22.7%	4 21.1%	1 14.3%	8 17.4%	21 25.3%	1066 17.8%
3 persons	19 5.9%	3 15.8%	1 14.3%	6 13.0%	4 4.8%	290 4.9%
4+ persons	8 2.5%	2 10.5%	0 0.0%	1 2.2%	4 4.8%	129 2.2%

Missing cases = 2



Appendix C

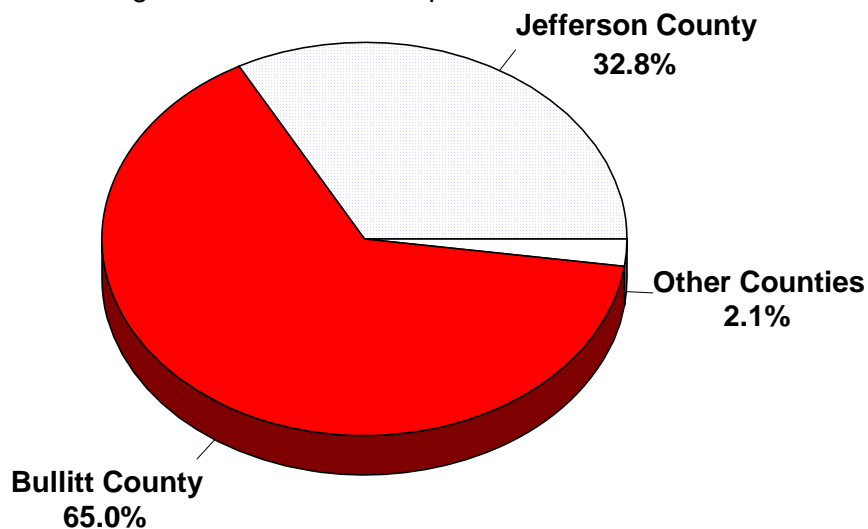
*Analysis of Trip*  
*Destinations*



Figure C-1

## Counties Visited By Bullitt County Residents on a Typical Weekday

By Percentage of All Household Trips that end in various Counties

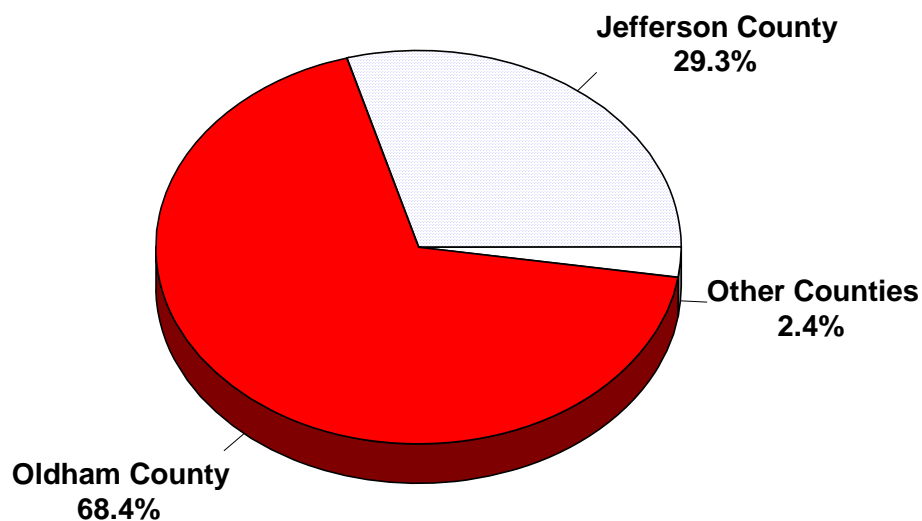


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure C-2

## Counties Visited By Oldham County Residents on a Typical Weekday

By Percentage of All Household Trips that end in various Counties

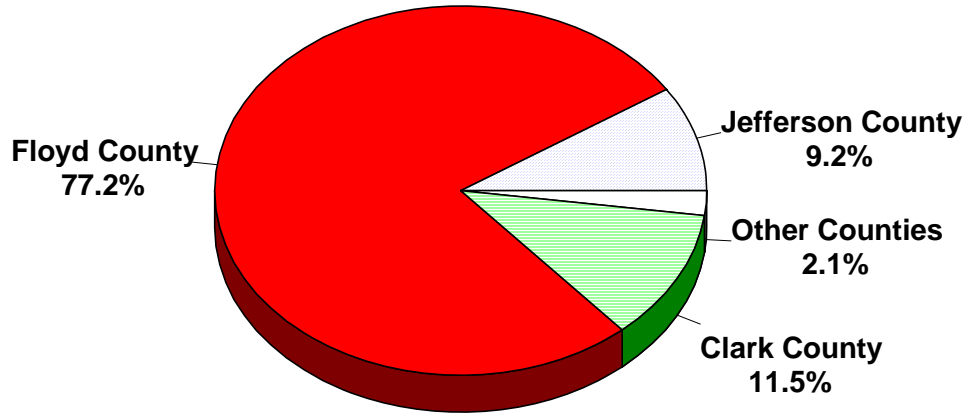


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure C-3

## Counties Visited By Floyd County Residents on a Typical Weekday

By Percentage of All Household Trips that end in various Counties

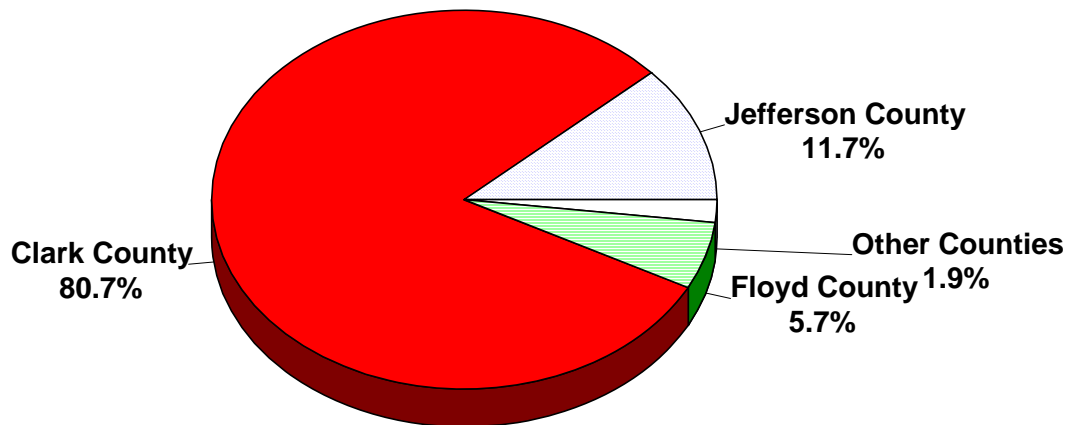


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure C-4

## Counties Visited By Clark County Residents on a Typical Weekday

By Percentage of All Household Trips that end in various Counties



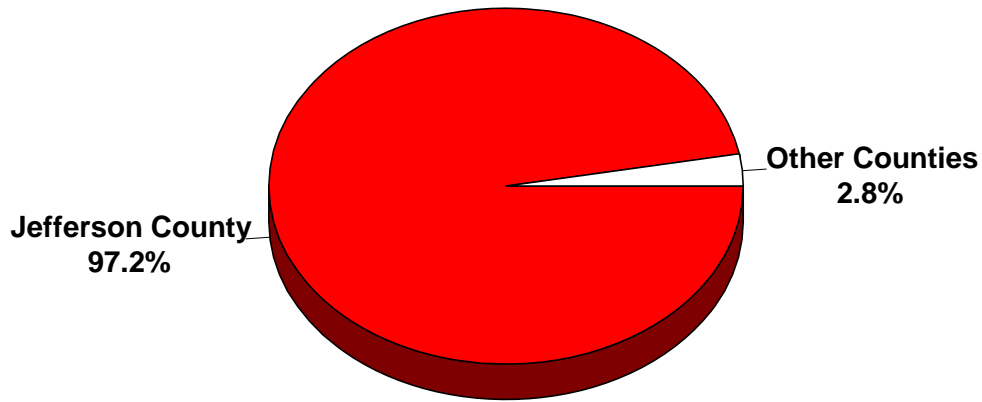
Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)



Figure C-5

## Counties Visited By Jefferson County Residents on a Typical Weekday

By Percentage of All Household Trips that end in various Counties

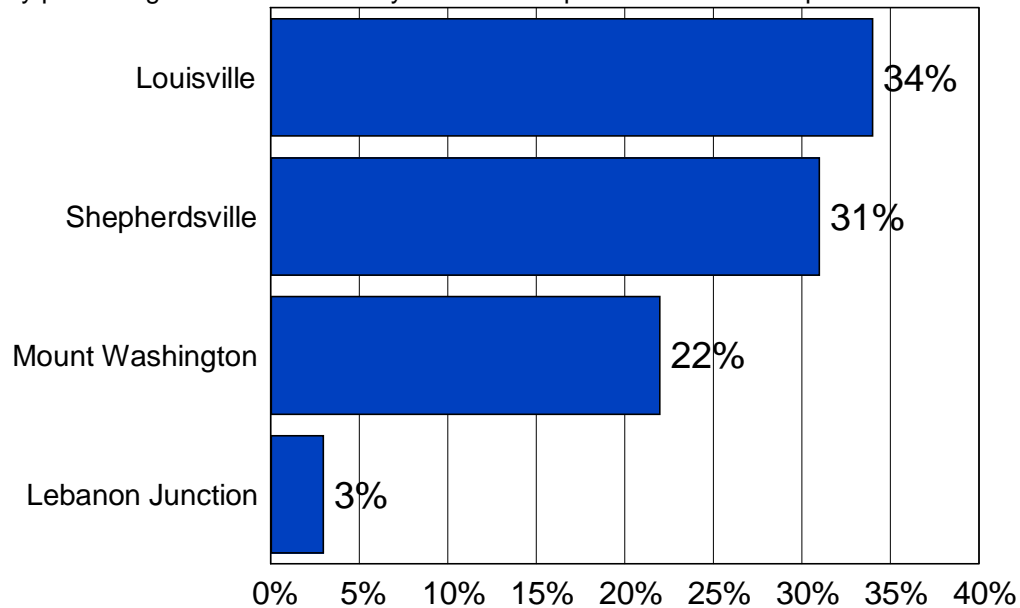


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure C-6

## Places Most Frequently Visited By Bullitt County Residents on a Typical Weekday

by percentage of all Bullitt County household trips that ended in the places listed

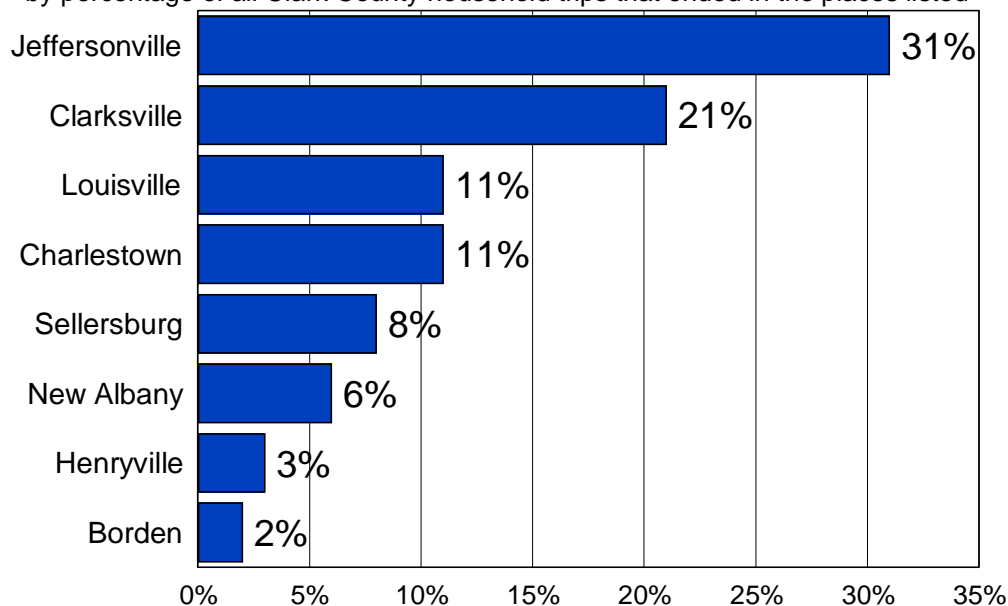


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure C-7

### Places Most Frequently Visited By Clark County Residents on a Typical Weekday

by percentage of all Clark County household trips that ended in the places listed

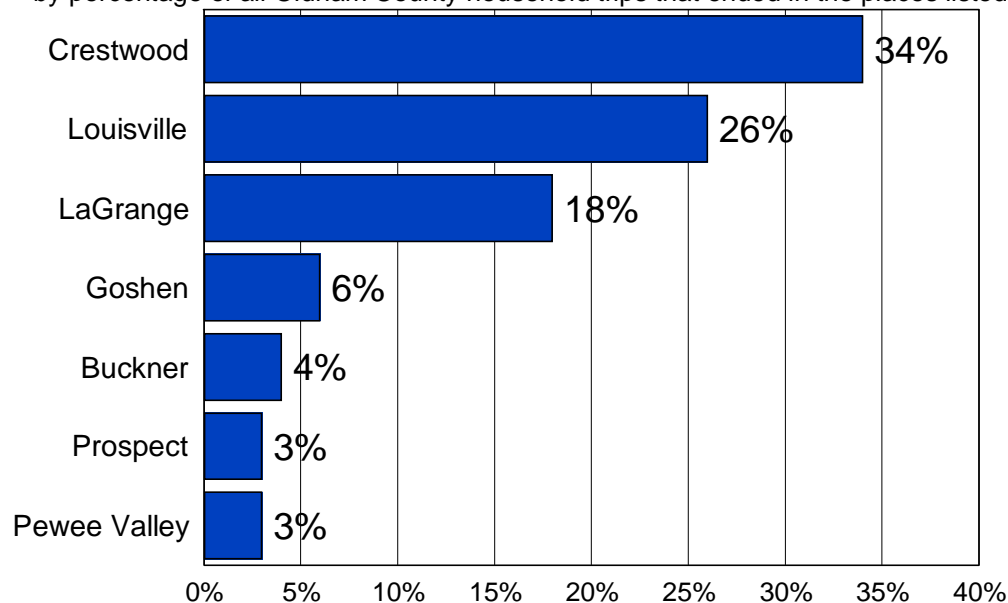


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure C-8

### Places Most Frequently Visited By Oldham County Residents on a Typical Weekday

by percentage of all Oldham County household trips that ended in the places listed

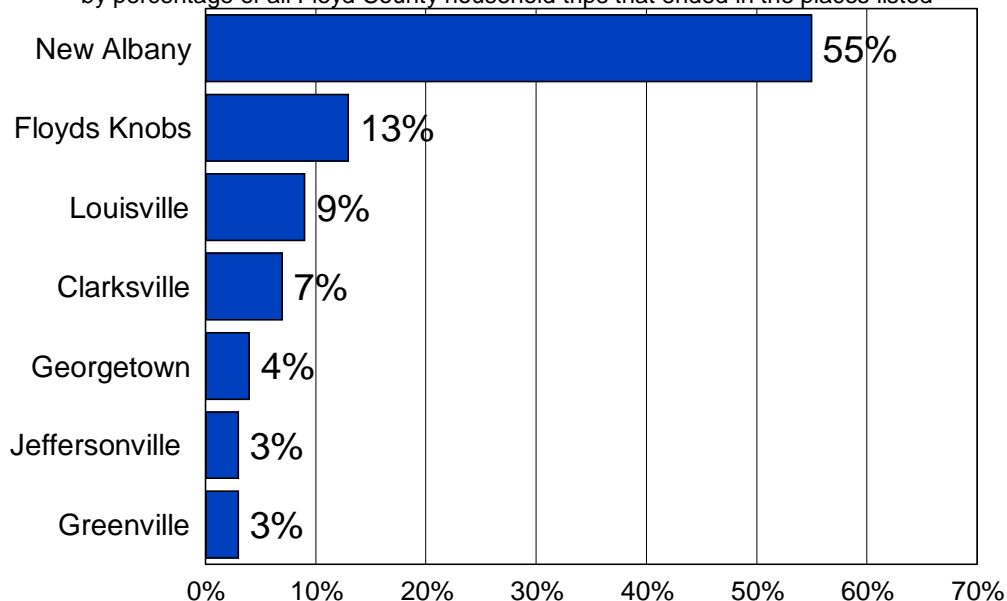


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure C-9

### Places Most Frequently Visited By Floyd County Residents on a Typical Weekday

by percentage of all Floyd County household trips that ended in the places listed

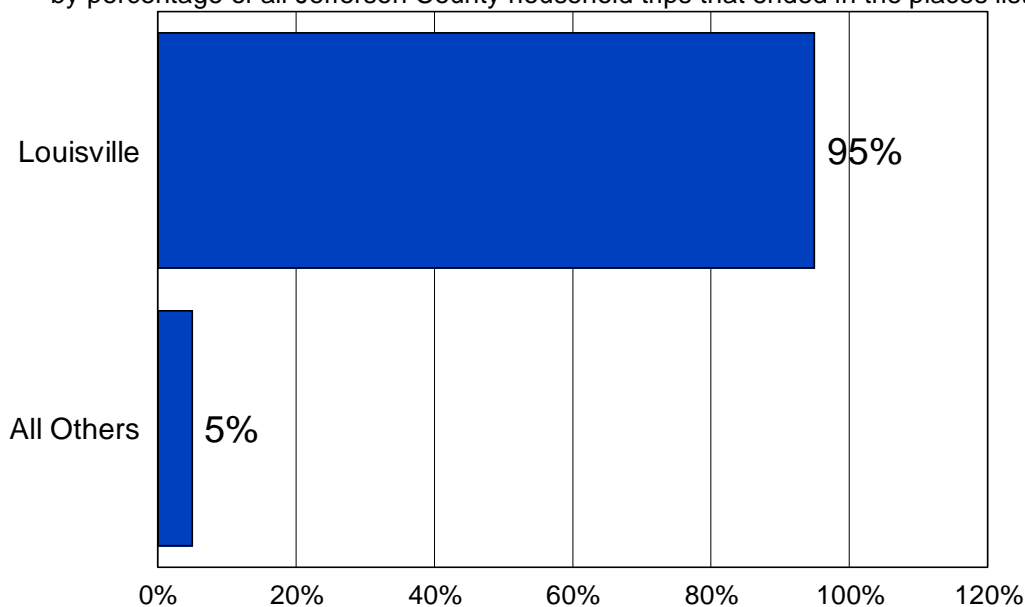


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure C-10

### Places Most Frequently Visited By Jefferson County Residents on a Typical Weekday

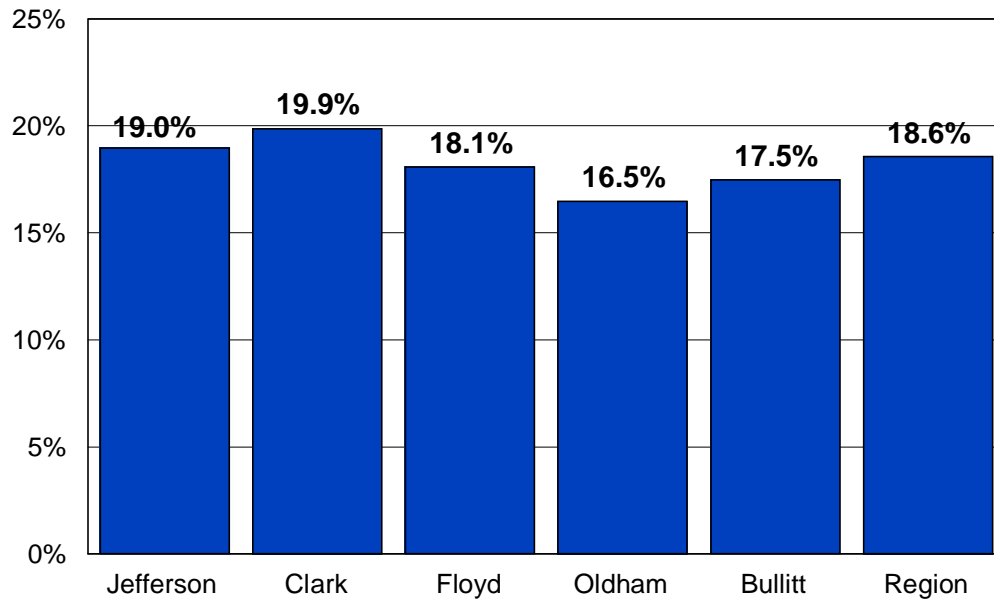
by percentage of all Jefferson County household trips that ended in the places listed



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure C-11

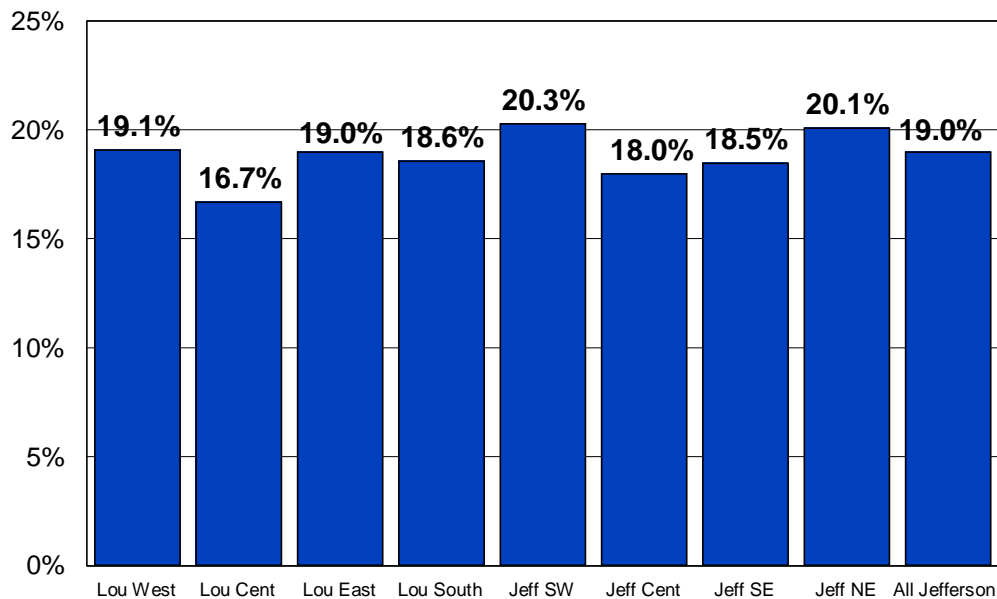
### Percentage of Household Trips that Involve Travel to a Store By County



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure C-12

### Percentage of Household Trips that Involve Travel to a Store By Jefferson County CCD

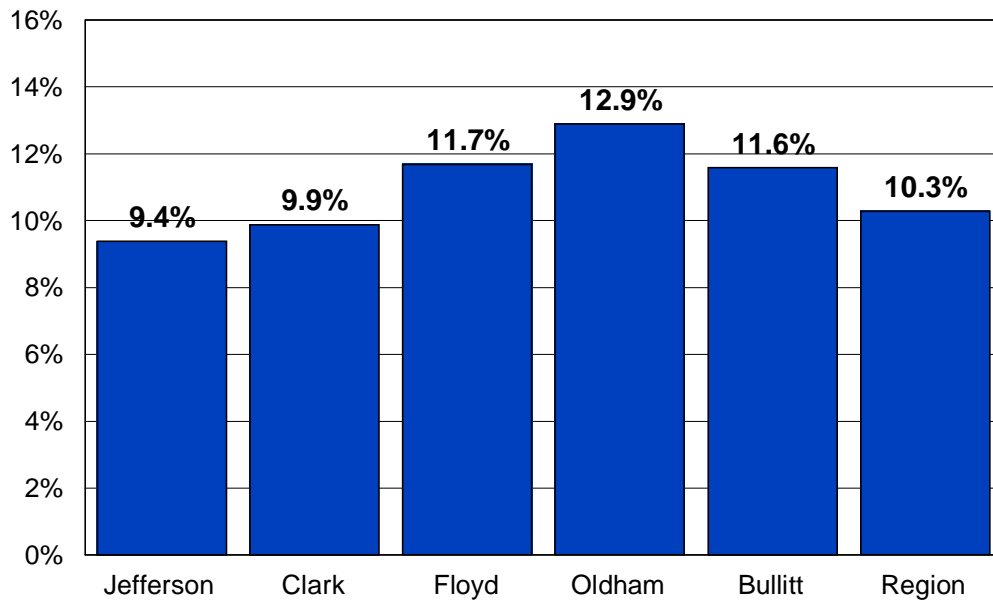


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure C-13

### Percentage of Household Trips that Involve Travel to a School

By County

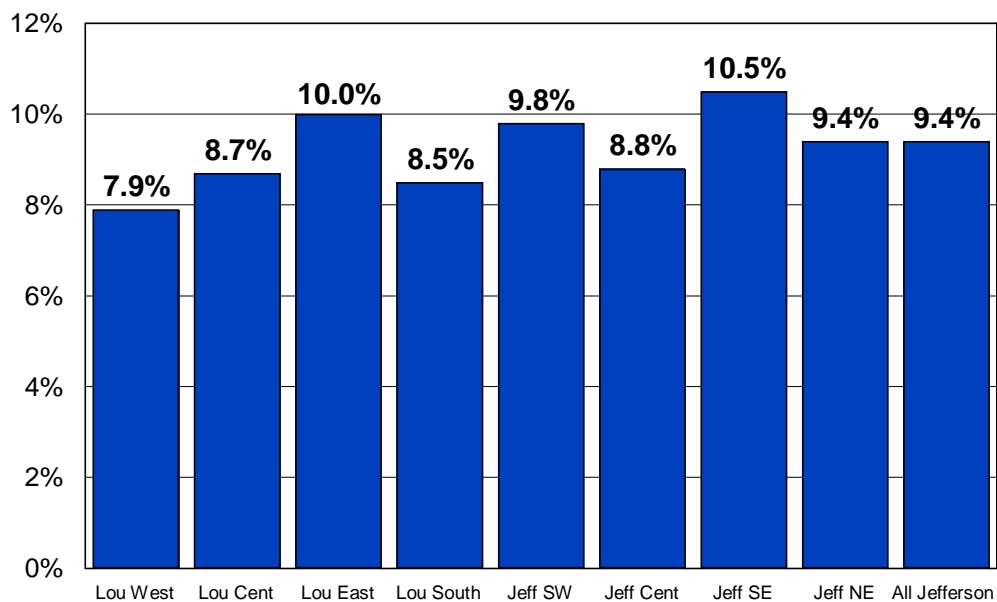


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure C-14

### Percentage of Household Trips that Involve Travel to a School

By Jefferson County CCD



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Table C-1

**DESTINATIONS BY COUNTY FOR BULLITT COUNTY RESIDENTS**

<u>County for end of trip</u>	<u>Number trips</u>	<u>Percent</u>
Jefferson	893	32.8 %
Bullitt	1768	65.0 %
Floyd	9	0.3 %
Clark	7	0.3 %
Oldham	3	0.1 %
<u>Other</u>	<u>39</u>	<u>1.5 %</u>
Total	2719	100.0 %

Missing Cases = 183

Response Percent = 93.7 %

Table C-2

**DESTINATIONS BY COUNTY FOR OLDHAM COUNTY RESIDENTS**

<u>County for end of trip</u>	<u>Number trips</u>	<u>Percent</u>
Jefferson	886	29.3 %
Bullitt	0	0.0 %
Floyd	8	0.3 %
Clark	13	0.4 %
Oldham	2069	68.4 %
<u>Other</u>	<u>51</u>	<u>1.6 %</u>
Total	3027	100.0 %

Missing Cases = 204

Response Percent = 93.7 %

Table C-3

**DESTINATIONS BY COUNTY FOR FLOYD COUNTY RESIDENTS**

<u>County for end of trip</u>	<u>Number trips</u>	<u>Percent</u>
Jefferson	256	9.2 %
Bullitt	0	0.0 %
Floyd	2153	77.2 %
Clark	322	11.5 %
Oldham	0	0.0 %
<u>Other</u>	<u>58</u>	<u>2.1 %</u>
Total	2790	100.0 %

Missing Cases = 189

Response Percent = 93.7 %

Table C-4

**DESTINATIONS BY COUNTY FOR CLARK COUNTY RESIDENTS**

<u>County for end of trip</u>	<u>Number trips</u>	<u>Percent</u>
Jefferson	341	11.7 %
Bullitt	1	0.0 %
Floyd	167	5.7 %
Clark	2352	80.7 %
Oldham	5	0.2 %
<u>Other</u>	<u>48</u>	<u>1.7 %</u>
Total	2914	100.0 %

Missing Cases = 231

Response Percent = 92.7 %

Table C-5

**DESTINATIONS BY COUNTY FOR JEFFERSON COUNTY RESIDENTS**

<u>County for end of trip</u>	<u>Number trips</u>	<u>Percent</u>
Jefferson	15077	97.2 %
Bullitt	67	0.4 %
Floyd	51	0.3 %
Clark	126	0.8 %
Oldham	70	0.5 %
<u>Other</u>	<u>121</u>	<u>0.8 %</u>
Total	15512	100.0 %

Missing Cases = 1300

Response Percent = 92.3 %



Appendix D

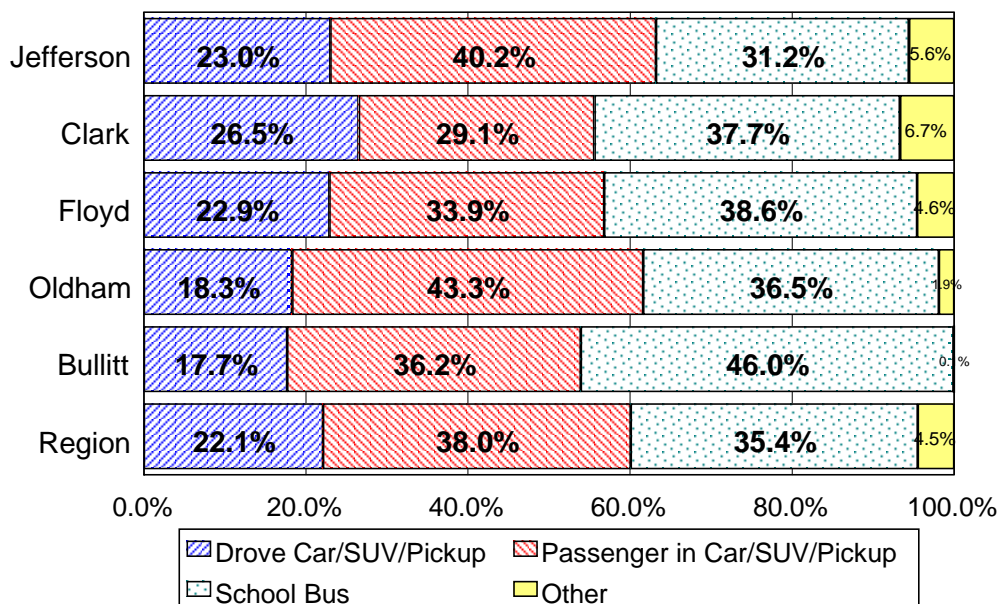
*Analysis of Mode by*  
*Type of Destination*



Figure D-1

## Mode of Travel Used By Residents to Go to School

By Percentage of Household Trips Generated for Each Mode of Travel By County

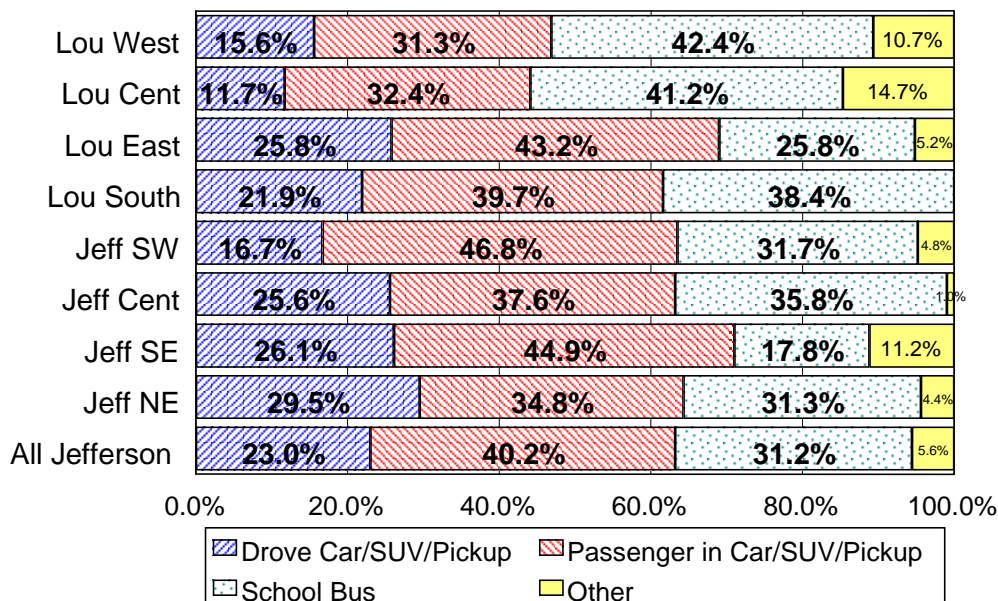


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure D-2

## Mode of Travel Used By Residents to Go to School

By Percentage of Household Trips Generated for Each Mode of Travel By Jefferson County CCD

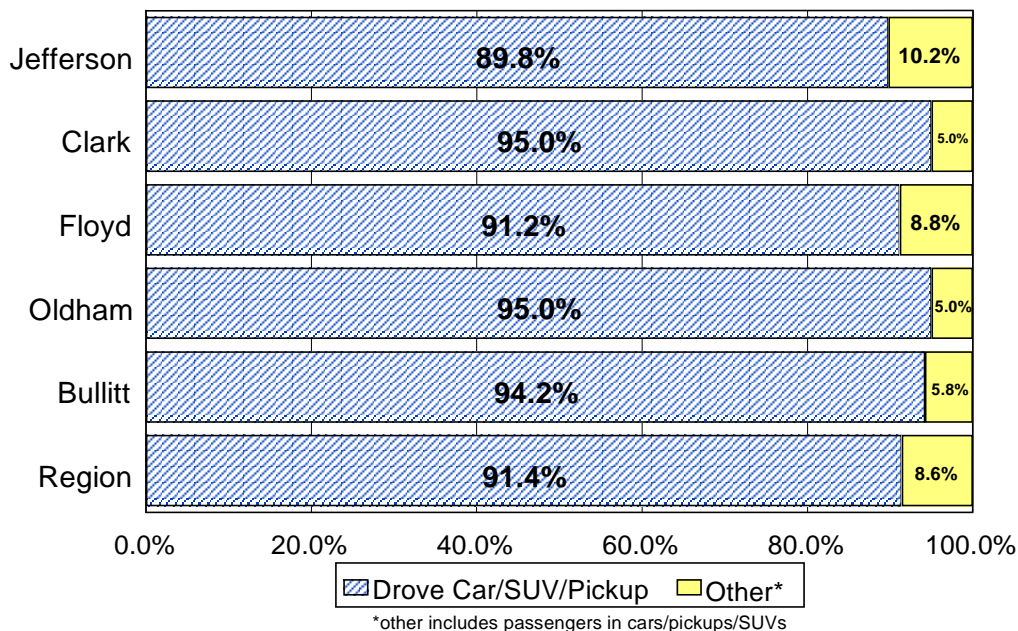


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure D-3

## Mode of Travel Used By Residents to Go to Work

By Percentage of Household Trips Generated for Each Mode of Travel By County

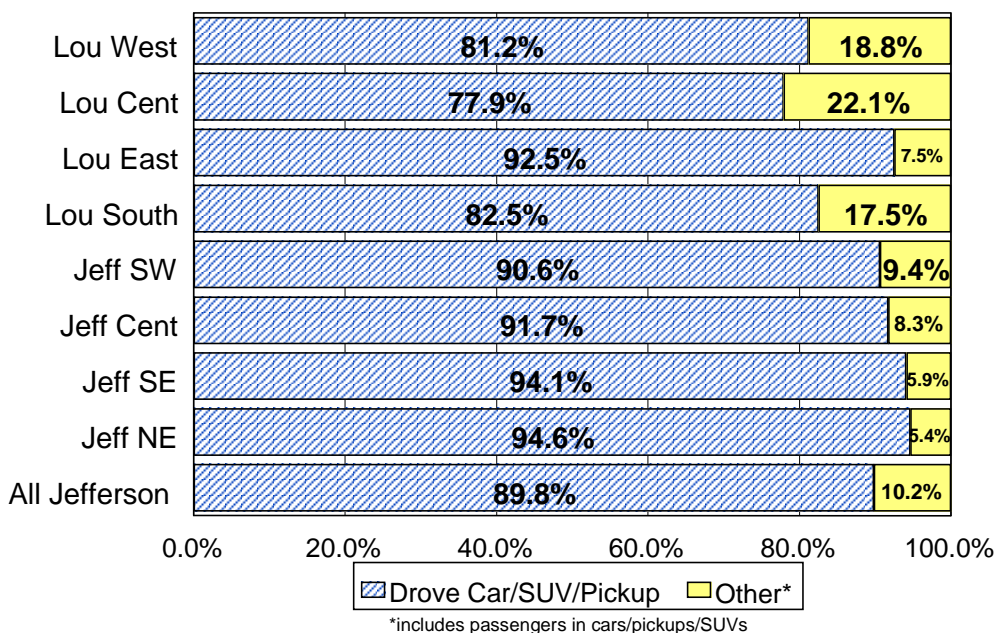


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure D-4

## Mode of Travel Used By Residents to Go to Work

By Percentage of Household Trips Generated for Each Mode of Travel By Jefferson County CCD

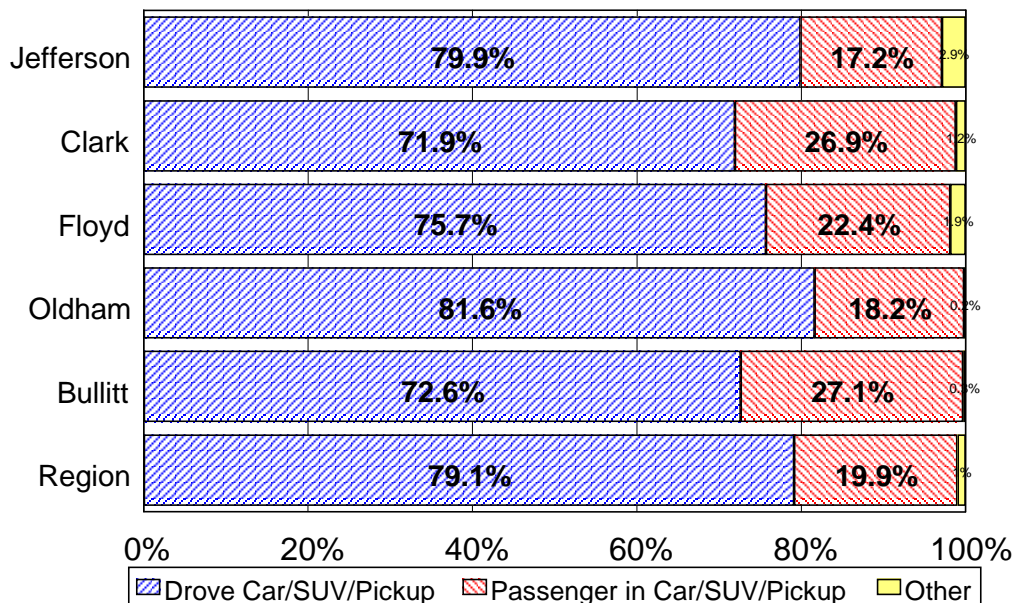


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure D-5

## Mode of Travel Used By Residents to Go Shopping

By Percentage of Household Trips Generated for Each Mode of Travel By County

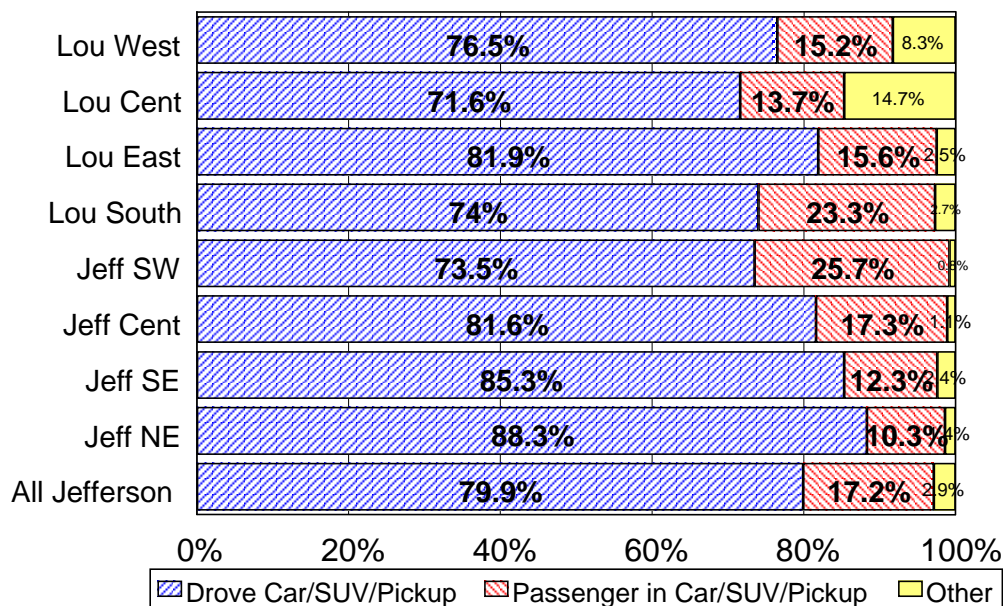


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure D-6

## Mode of Travel Used By Residents to Go Shopping

By Percentage of Household Trips Generated for Each Mode of Travel By Jefferson County CCD

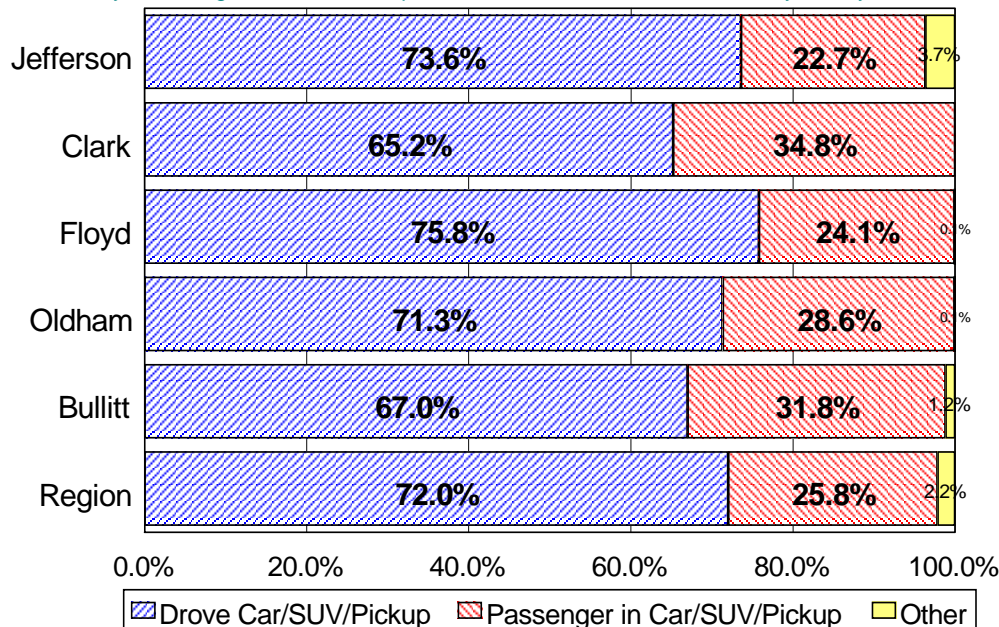


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure D-7

## Mode of Travel Used By Residents to Visit a Doctor

By Percentage of Household Trips Generated for Each Mode of Travel By County

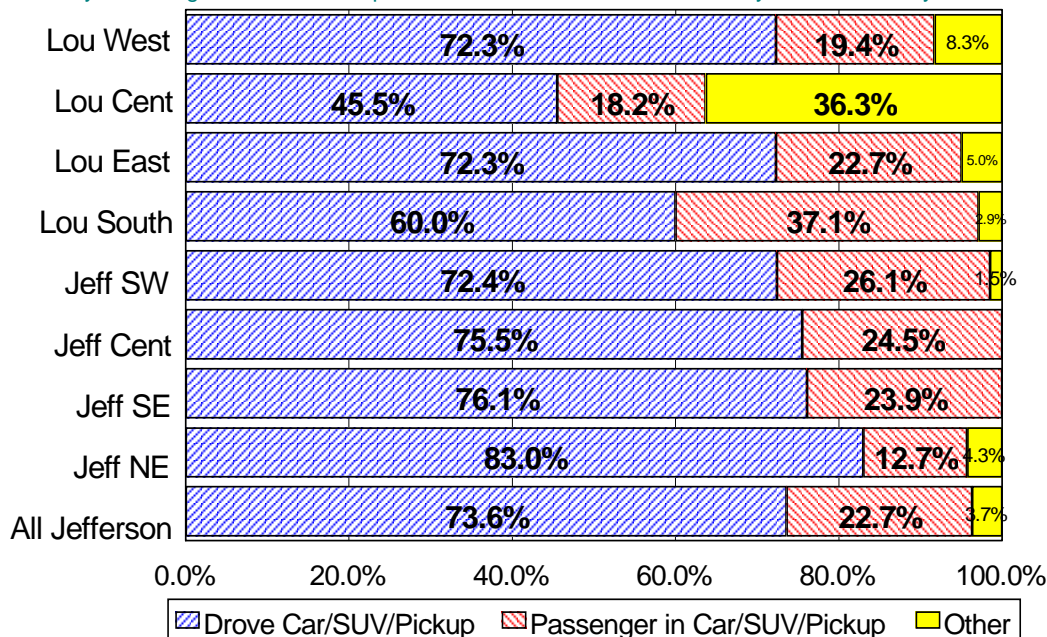


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure D-8

## Mode of Travel Used By Residents to Visit a Doctor

By Percentage of Household Trips Generated for Each Mode of Travel By Jefferson County CCD



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Appendix E

*Analysis of Miles*

*Driven Per Day*





**Average Number of Miles Driven Per Day in Private Vehicles.** The mean (average) number of miles driven per day for all persons in the five-county region who drove private vehicles on their travel day was 35 miles; the median (or mid-point) was 25 miles. Oldham and Bullitt County residents drove the most. The mean (average) number of miles driven per day by Oldham County residents who drove a private vehicle on their travel day was 44 miles; the median was 36 miles. The mean number of miles driven per day by Bullitt County residents who drove a private vehicle on their travel day was 43 miles; the median was 37 miles. Jefferson County residents drove the least. The mean number of miles driven per day by Jefferson County residents who drove a private vehicle on their travel day was 32 miles; the median was 20 miles.

**Percentage of Private Vehicle Drivers Who Drive Less than 20 miles Per Day** The percentage of persons who drove less than 20 miles per day varied considerably by county. Half (50.1%) of the drivers in Jefferson County drove less than 20 miles on their travel day; only 25.9% of the drivers in Oldham County drove less than 20 miles on their travel day. On average, 44.6% of all persons in the five-county region who drove private vehicles (car, SUV, or pickup) on their travel day drove less than 20 miles per day. In Louisville West 63.6% of private vehicle drivers drove less than 20 miles on their travel day.

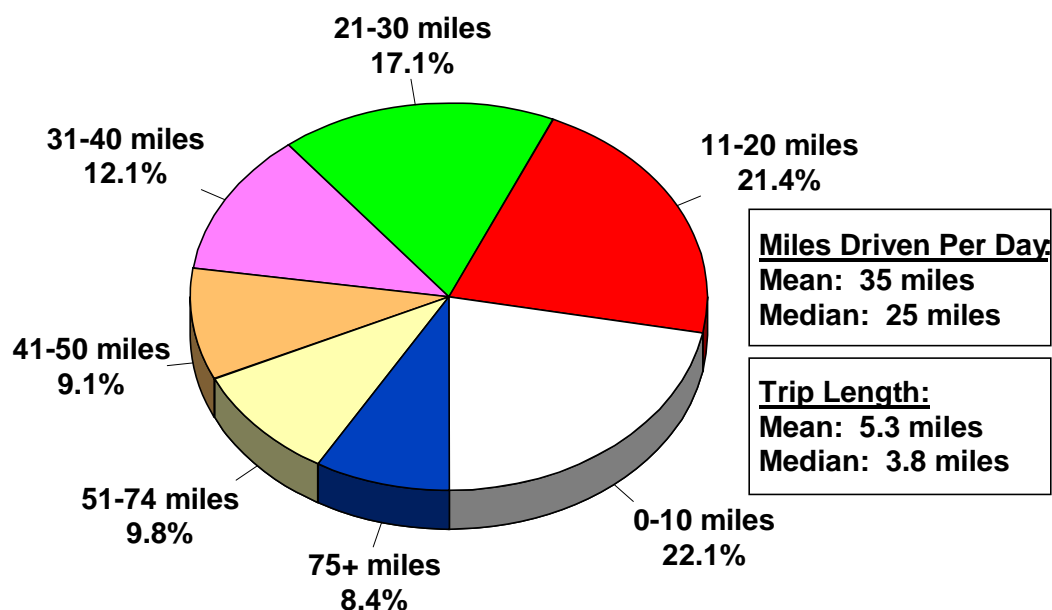
**Trip Length.** The mean and median trip lengths (in miles) for trips completed in private vehicles (cars, pickups, and SUVs) for the five-county region and each sublevel of geography is provided below. Areas are grouped by county/CCD and are listed in descending order of the median trip length:

<u>Geography</u>	<u>Mean # Miles</u>	<u>Median # Miles</u>
5-County Region	5.3 miles	3.8 miles
Bullitt	5.9	4.9
Oldham	5.6	4.6
Clark	5.1	3.7
Floyd	4.8	3.3
Jefferson	5.1	3.2
Jeff Central CCD	5.0	4.0
Jeff Southeast CCD	5.4	3.7
Lou South CCD	4.7	3.4
Jeff Northeast CCD	4.3	3.3
Lou East CCD	4.9	3.1
Jeff Southwest CCD	4.8	3.1
Lou West CCD	4.4	2.8
Lou Central CCD	5.1	2.7

Figure E-1

## Miles Driven Per Day in Private Vehicles (Cars, SUVs, & Pickups) - Entire Region

By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day

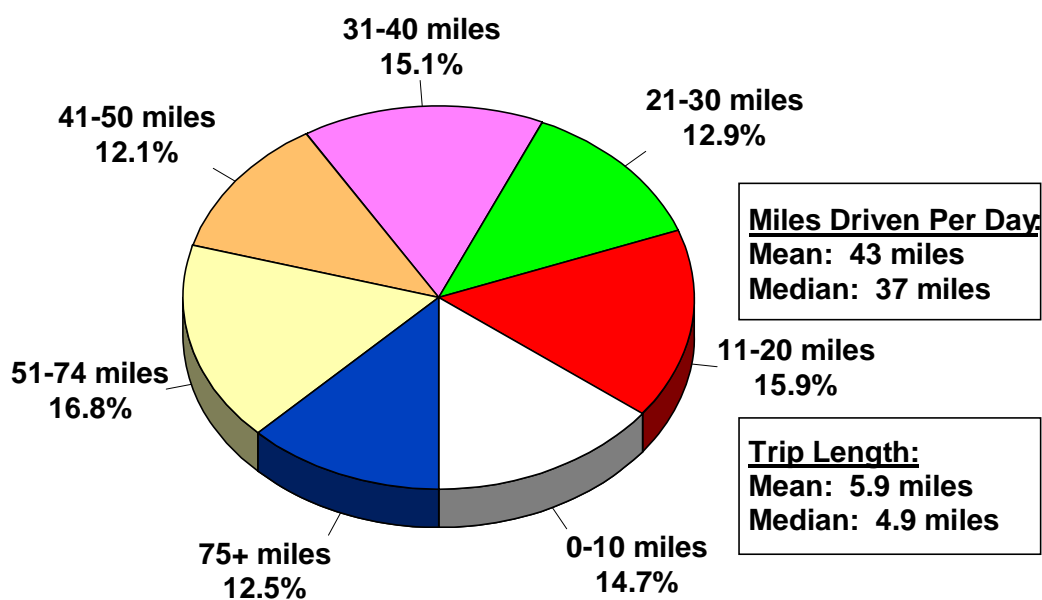


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-2

## Miles Driven Per Day in Private Vehicles (Cars, SUVs, & Pickups) - Bullitt County

By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day

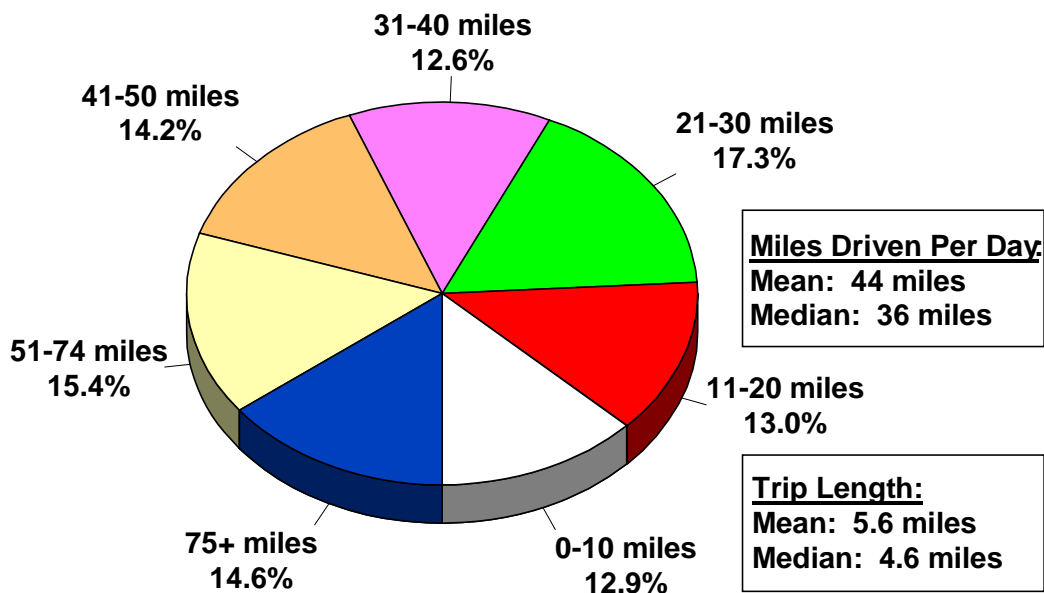


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-3

## Miles Driven Per Day in Private Vehicles (Cars, SUVs, & Pickups) - Oldham County

By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day

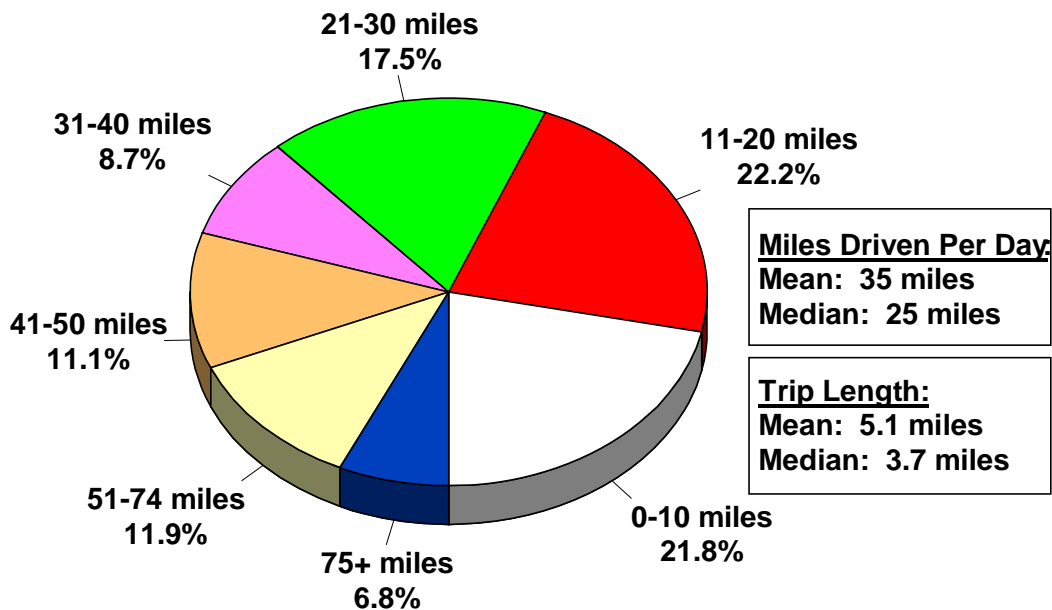


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-4

## Miles Driven Per Day in Private Vehicles (Cars, SUVs, & Pickups) - Clark County

By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day

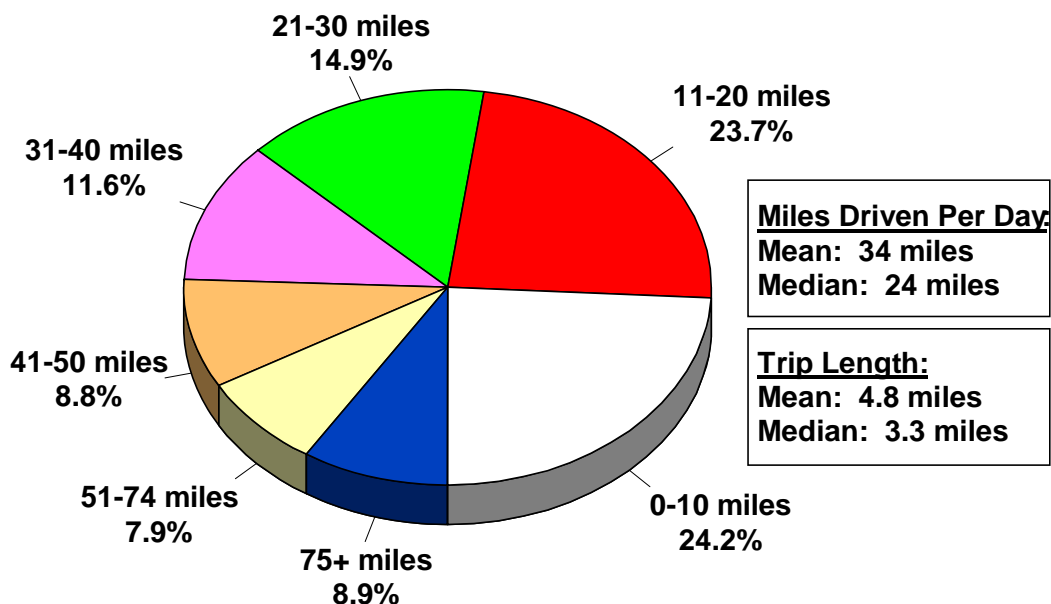


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-5

## Miles Driven Per Day in Private Vehicles (Cars, SUVs, & Pickups) - Floyd County

By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day

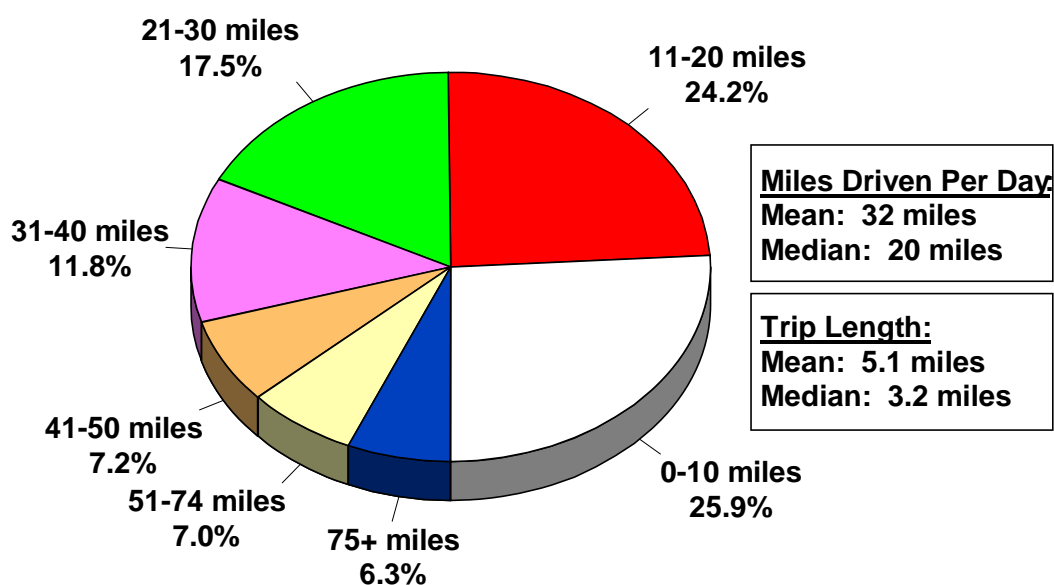


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-6

## Miles Driven Per Day in Private Vehicles (Cars, SUVs, & Pickups) - Jefferson County

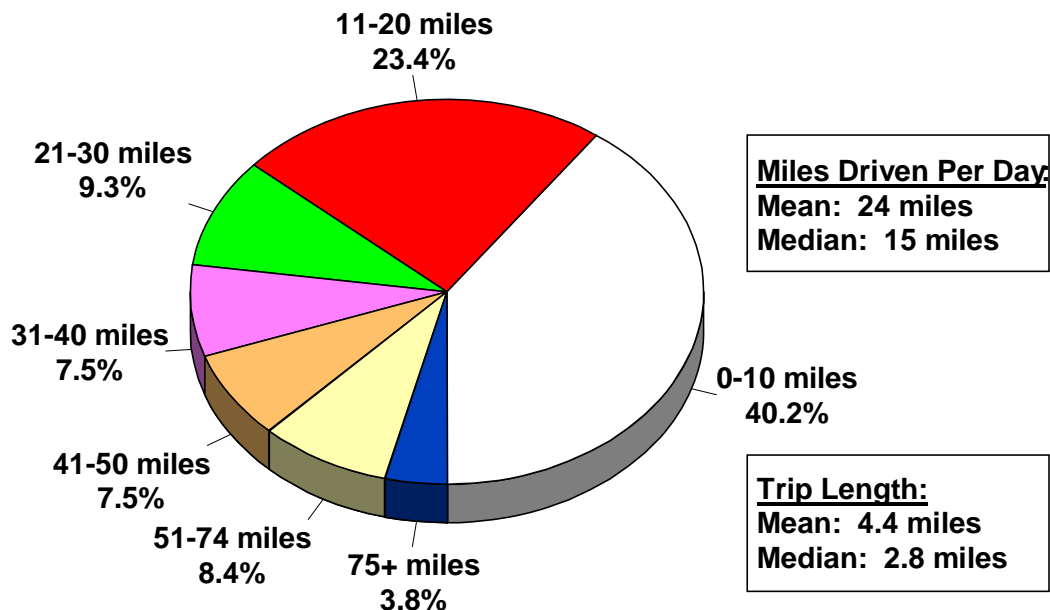
By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-7 **Miles Driven Per Day in Private Vehicles**  
(Cars, SUVs, & Pickups) - Louisville West (Jefferson CCD)

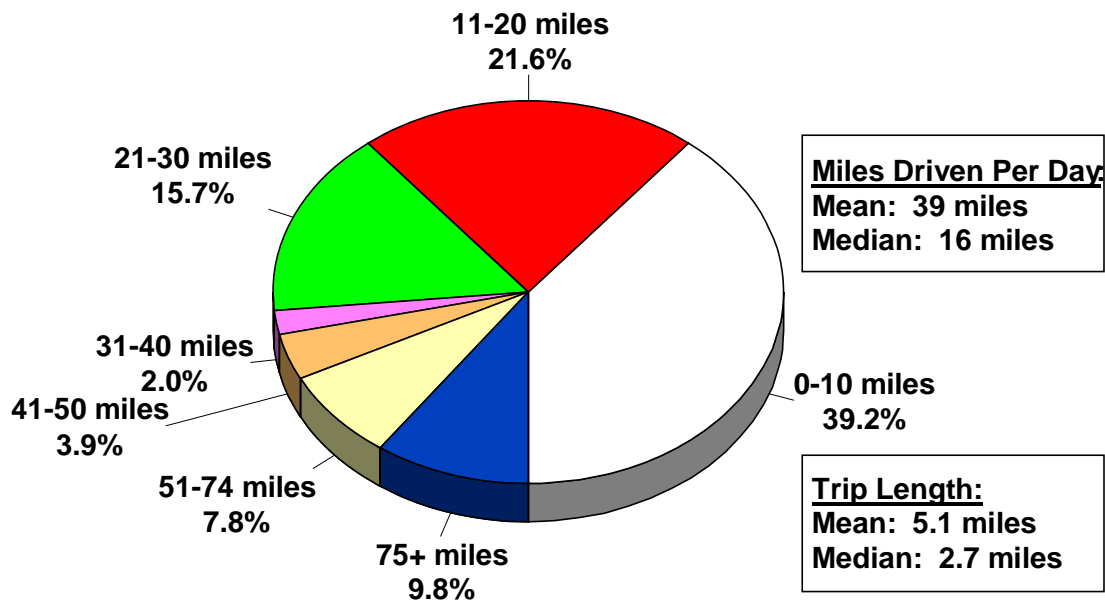
By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-8 **Miles Driven Per Day in Private Vehicles**  
(Cars, SUVs, & Pickups) - Louisville Central (Jefferson CCD)

By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day

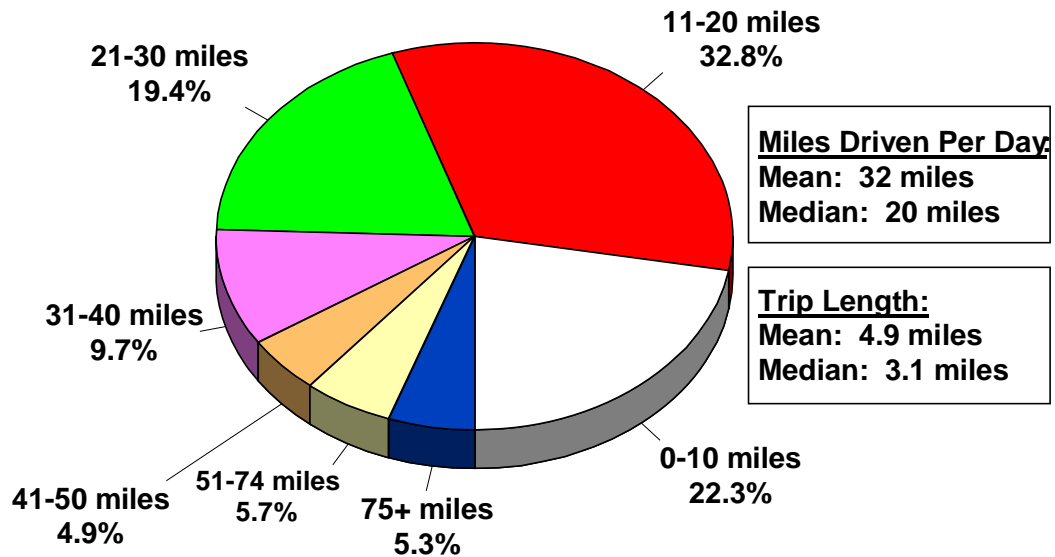


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-9

## Miles Driven Per Day in Private Vehicles (Cars, SUVs, & Pickups) - Louisville East (Jefferson CCD)

By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day

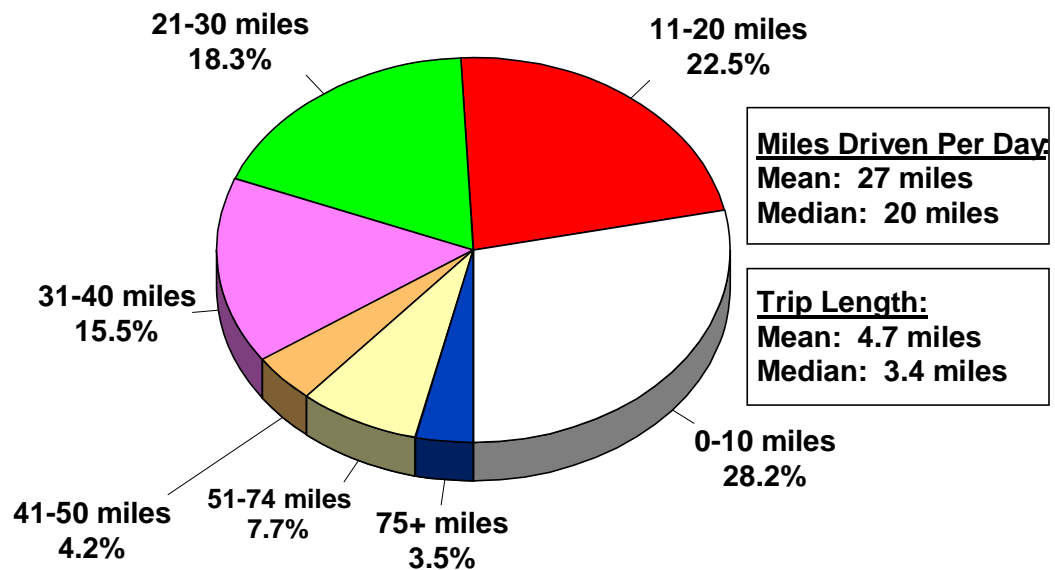


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-10

## Miles Driven Per Day in Private Vehicles (Cars, SUVs, & Pickups) - Louisville South (Jefferson CCD)

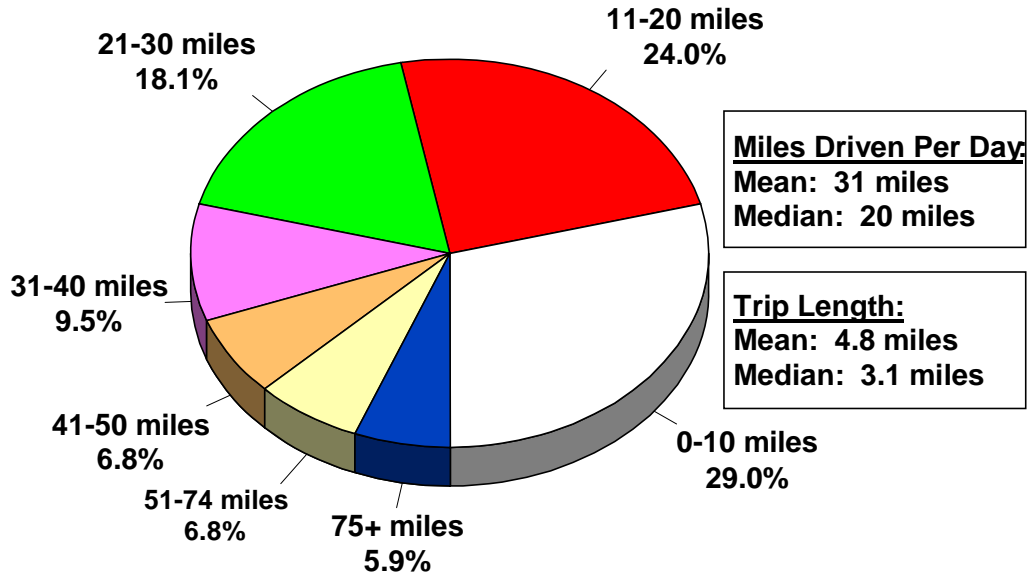
By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-11 **Miles Driven Per Day in Private Vehicles**  
(Cars, SUVs, & Pickups) - Jefferson Southwest (Jefferson CCD)

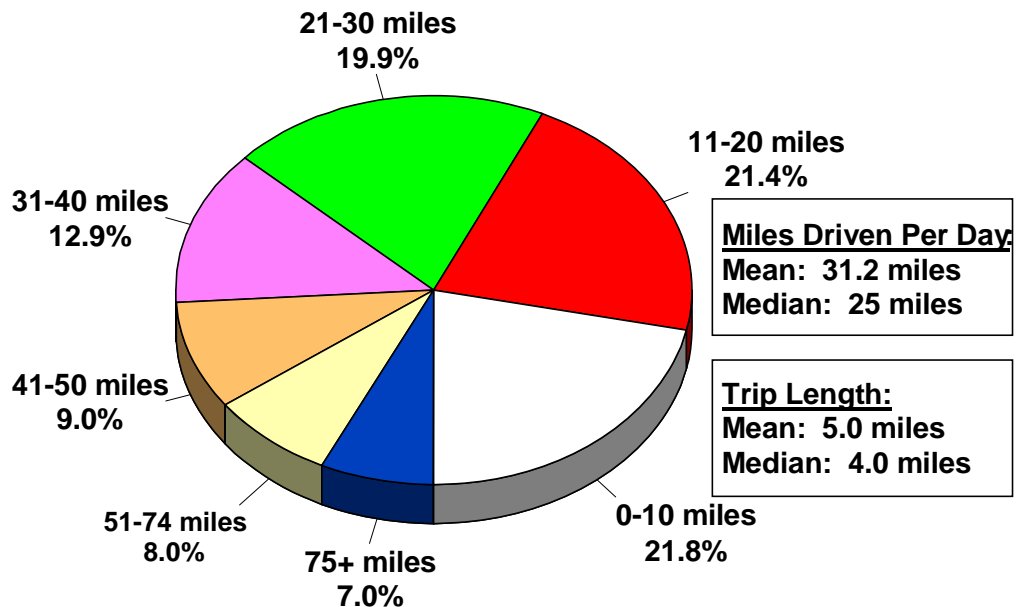
By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-12 **Miles Driven Per Day in Private Vehicles**  
(Cars, SUVs, & Pickups) - Jefferson Central (Jefferson CCD)

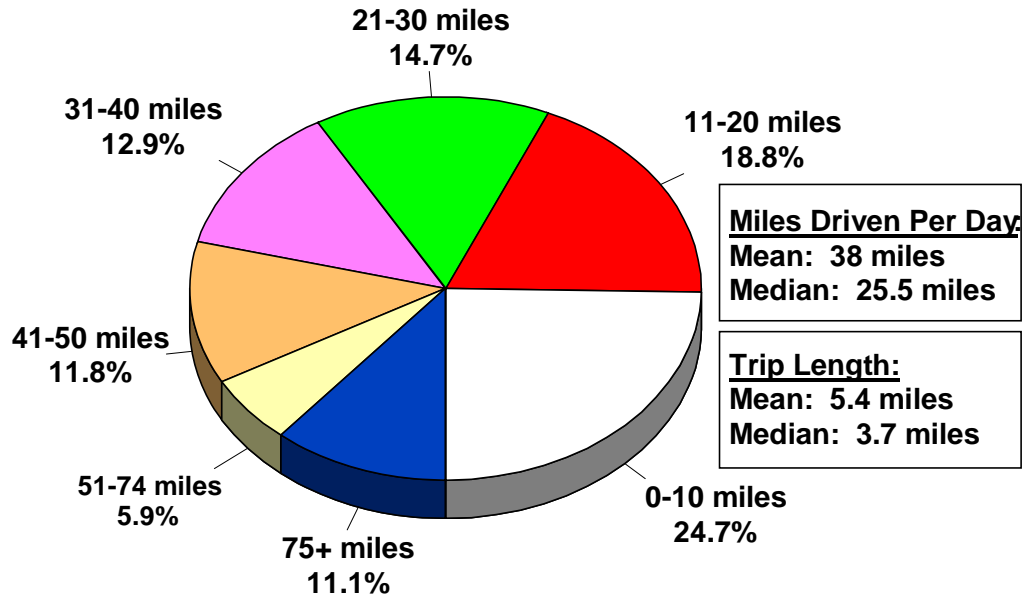
By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-13 **Miles Driven Per Day in Private Vehicles**  
(Cars, SUVs, & Pickups) - Jefferson Southeast (Jefferson CCD)

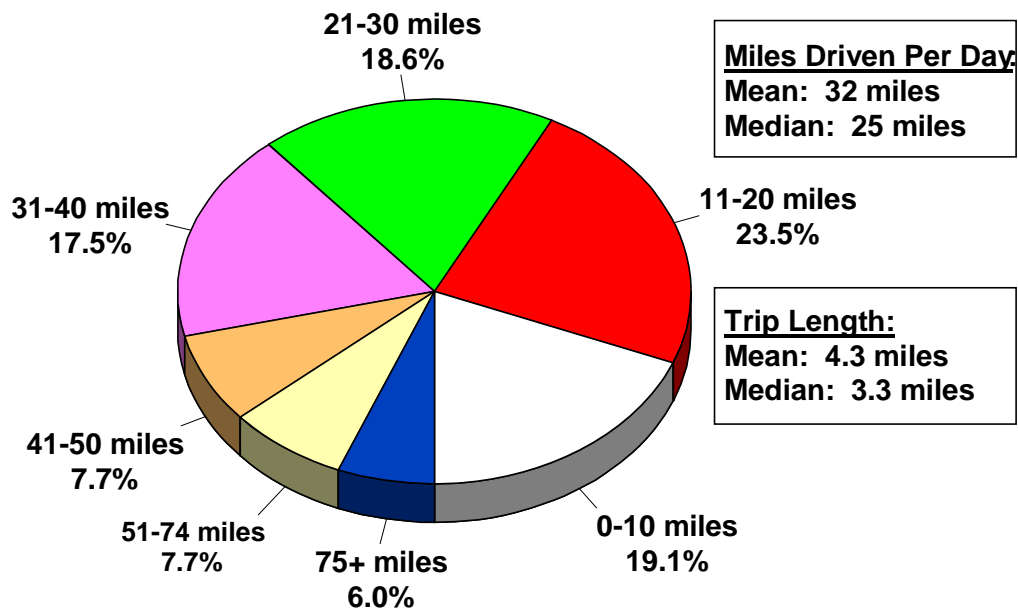
By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-14 **Miles Driven Per Day in Private Vehicles**  
(Cars, SUVs, & Pickups) - Jefferson Northeast (Jefferson CCD)

By Percentage of Travel Survey Participants Who Drove a Private Vehicle on Their Travel Day



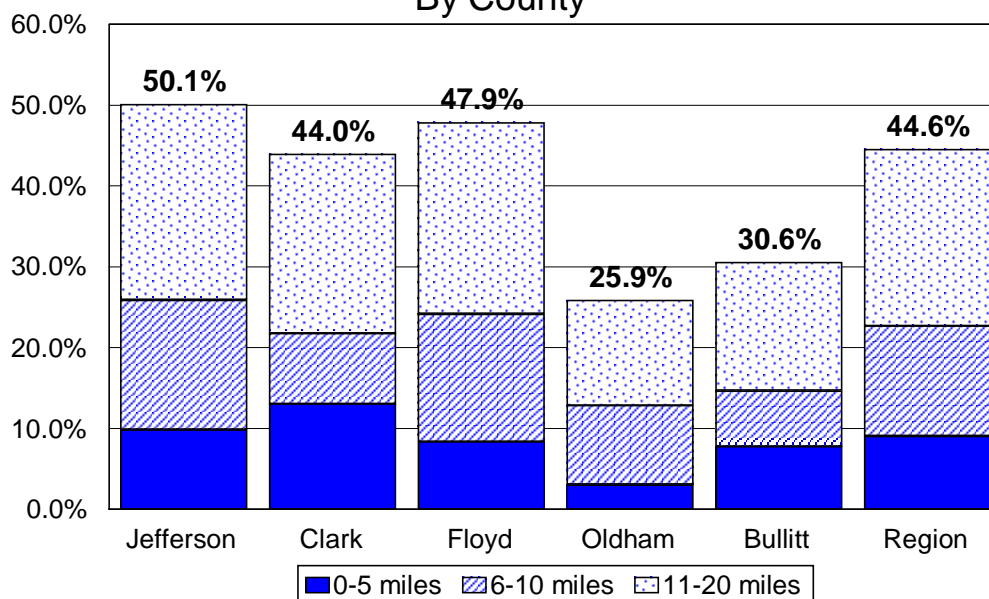
Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)



Figure E-15

## Percentage of Private Vehicle Drivers Who Drove 20 Miles or Less on Their Travel Day

By County

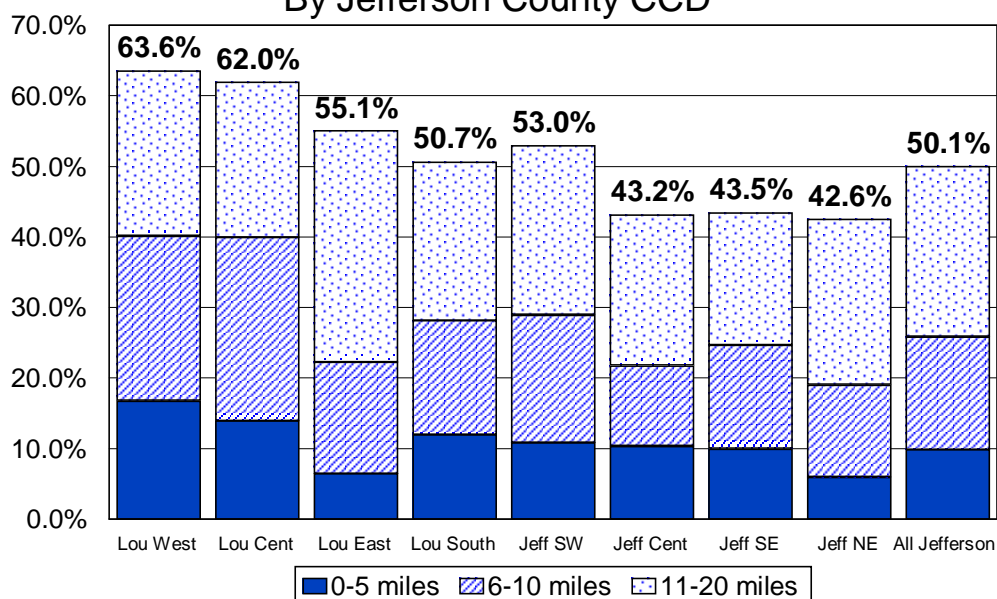


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-16

## Percentage of Private Vehicle Drivers Who Drove 20 Miles or Less on Their Travel Day

By Jefferson County CCD

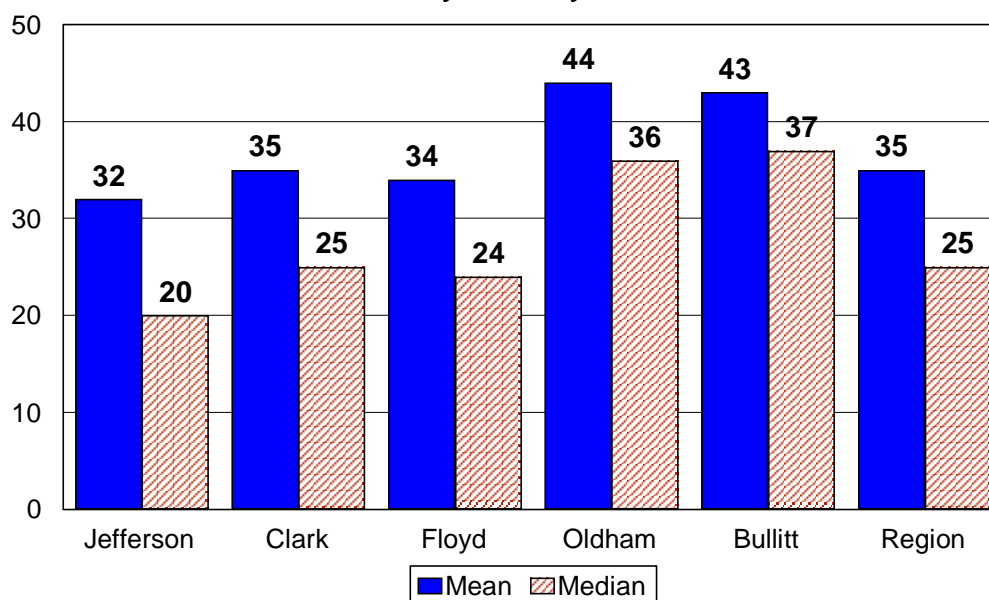


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-17

## Number of Miles Driven Per Day by Private Vehicle Drivers

By County

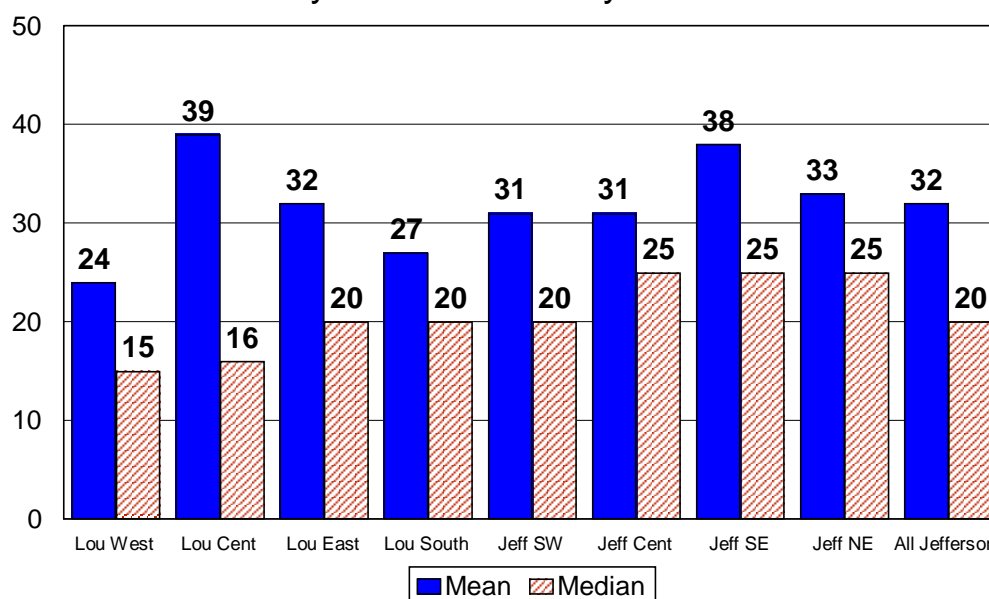


Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)

Figure E-18

## Number of Miles Driven Per Day by Private Vehicle Drivers

By Jefferson County CCD



Source: KIPDA Regional Household Travel Survey (ETC Institute, Fall 2000)