

2. Trip Rates

- The 223,000 households in the 13 counties made 2,226,500 person trips by all modes (motorized plus bicycles and walking), for an average of 10.0 weekday person trips per household. (Table 72A)
- Those households made 2,107,900 person trips by motorized means, for an average of 9.5 weekday person trips per household. (Table 72B)
- Two-member and four-member households are each responsible for over 25% of all trips, while one-person households are responsible for only 10%. (Table 72A)
- The trip rate per household (all modes) shows a significant and direct correlation to household size, increasing from a rate of 4.6 for one-person households to 15.7 trips per household for households of five or more persons. (Table 72A)
- The trip rates per person show little variability with household size. Persons in one-person households show the highest rate—4.6 trips (all modes). Persons in five or more person households have the lowest rate—2.9 trips (all modes) per person. Overall, individuals make 3.7 trips (all modes) per day and 3.5 trips (motorized modes) per day. (Tables 72A and 72B)
- Household trip rates generally increase with household income. The lowest income group (less than \$5,000) reported no trips (all modes) per household. The income bracket reporting trips with the lowest rate was the \$20,000-to-less-than-\$25,000 bracket, with a trip rate of 5.2. The highest trip rate of 16.1 trips per household was reported in the \$75,000-to-less-than-\$100,000 bracket. The rate reported in the highest bracket (\$150,000 or more) was 5.6 trips per day. (Table 73A)
- The average household trip rate is 10.0 trips per day (all modes), but vary over the week. Mondays are the lowest with 7.7 trips per day, while Wednesday is the highest with 12.3 trips per day. (Table 74)
- Household trip rates increase with the vehicle availability. Households with no vehicles available make 3.7 trips per day by all modes while households with four vehicles make 17.8 trips per day by all modes. (Table 75)

Table 72A
Trip Rates (All Modes) by Household Size: 13 Ring Counties

Household Size	Total Households	Percent	Total Persons	Percent	Total Trips	Percent	Trips per Household	Trips per Person
1	48,207	22%	48,207	8%	223,001	10%	4.6	4.6
2	75,914	34%	151,828	26%	612,009	27%	8.1	4.0
3	35,689	16%	106,836	18%	356,513	16%	10.0	3.3
4	37,849	17%	151,200	25%	635,272	29%	16.8	4.2
5+	25,381	11%	137,970	23%	399,737	18%	15.7	2.9
TOTAL	223,040	100%	596,041	100%	2,226,532	100%	10.0	3.7

Table 72B
Trip Rates (Motorized Modes) by Household Size: 13 Ring Counties

Household Size	Total Households	Percent	Total Persons	Percent	Total Trips	Percent	Trips per Household	Trips per Person
1	48,207	22%	48,207	8%	207,711	10%	4.3	4.3
2	75,914	34%	151,828	26%	589,118	28%	7.8	3.9
3	35,689	16%	106,836	18%	346,662	16%	9.7	3.2
4	37,849	17%	151,200	25%	610,322	29%	16.1	4.0
5+	25,381	11%	137,970	23%	354,078	17%	14.0	2.6
TOTAL	223,040	100%	596,041	100%	2,107,891	100%	9.5	3.5

Table 73A
Household Trip Rates (All Modes) by Household Income: 13 Ring Counties

Income Group	Households	Number of Trips	Percent	Trips Per Household
Less Than \$5,000	835	-	0.0%	0.0
\$5,000 but less than \$10,000	3,334	26,111	1.2%	7.8
\$10,000 but less than \$15,000	4,428	25,591	1.1%	5.8
\$15,000 but less than \$20,000	10,480	88,971	4.0%	8.5
\$20,000 but less than \$25,000	14,340	75,259	3.4%	5.2
\$25,000 but less than \$30,000	11,288	75,869	3.4%	6.7
\$30,000 but less than \$35,000	11,679	79,347	3.6%	6.8
\$35,000 but less than \$40,000	11,739	70,202	3.2%	6.0
\$40,000 but less than \$45,000	10,308	87,655	3.9%	8.5
\$45,000 but less than \$50,000	15,035	122,140	5.5%	8.1
\$50,000 but less than \$60,000	33,937	368,361	16.5%	10.9
\$60,000 but less than \$75,000	28,885	319,477	14.3%	11.1
\$75,000 but less than \$100,000	30,504	492,607	22.1%	16.1
\$100,000 but less than \$150,000	9,264	125,940	5.7%	13.6
\$150,000 or more	2,281	12,799	0.6%	5.6
Refused	24,702	256,201	11.5%	10.4
TOTAL	223,039	2,226,530	100.0%	10.0

Table 73B
Household Trip Rates (Motorized Modes) by Household Income: 13 Ring Counties

Income Group	Households	Number of Trips	Percent	Trips Per Household
Less Than \$5,000	835	0	0.0%	-
\$5000, but less than \$10,000	3,334	24,893	1.2%	7.5
10,000 but less than \$15,000	4,428	25,259	1.2%	5.7
\$15,000 but less than \$20,000	10,480	85,957	4.1%	8.2
\$20,000 but less than \$25,000	14,340	74,041	3.5%	5.2
\$25,000, but less than \$30,000	11,288	73,122	3.4%	6.5
\$30,000 but less than \$35,000	11,679	73,272	3.5%	6.3
\$35,000, but less than \$40,000	11,739	66,717	3.2%	5.7
\$40,000 but less than \$45,000	10,308	82,920	3.9%	8.0
\$45,000, but less than \$50,000	15,035	116,965	5.5%	7.8
\$50,000, but less than \$60,000	33,937	330,306	15.7%	9.7
\$60,000, but less than \$75,000	28,885	307,292	14.6%	10.6
\$75,000, but less than \$100,000	30,504	473,371	22.4%	15.5
\$100,000, but less than \$150,000	9,264	121,391	5.8%	13.1
\$150,000 or more	2,281	12,234	0.6%	5.4
Refused	24,702	240,150	11.4%	9.7
TOTAL	223,039	2,107,890	100.0%	9.5

Table 74
Household Trip Rates by Day of Week: 13 Ring Counties

Day of Week	Household Trip Rate (All Modes)	Household Trip Rate (Motorized Modes)
Monday	7.7	7.6
Tuesday	10.2	9.8
Wednesday	12.3	11.2
Thursday	9.5	8.8
Friday	11.1	10.6
TOTAL	10.0	9.5

Table 75
Household Trip Rates by Vehicle Availability: 13 Ring Counties

Vehicle Availability	Household Trip Rate (All Modes)	Household Trip Rate (Motorized Modes)
0	3.7	3.3
1	6.1	5.8
2	9.1	8.7
3	15.2	14.4
4	17.8	16.0
5+	13.6	13.4
TOTAL	10.0	9.5