

#### **4. Occupancy of Passenger Vehicles**

- Two-thirds of all vehicle trips (67.5%) are made in single-occupant vehicles. (Table 83A)
- The passenger-vehicle occupancy for Home Based Work trips is 1.08. The average passenger-vehicle occupancy for all trip purposes is 1.40. (Table 86A)

Note: Passenger-vehicle occupancy is calculated by dividing the sum of all passengers (that is, the sum of the modes “Drove Alone,” “Drove with Passenger” and “Rode as Passenger”) by all passenger vehicles (that is, the sum of “Drove Alone” and “Drove with Passenger.”)

**Table 82A**  
**Number of Vehicle Trips by Destination Activity and Vehicle Occupancy: 13 Ring Counties**

<b>Vehicle Occupancy</b>	<b>Total</b>	<b>Went to Work</b>	<b>Went to Work Related</b>	<b>Went to School</b>	<b>Went to Other School Activities</b>	<b>Went to Child Care</b>	<b>Quick Stop</b>	<b>Went Shopping</b>	<b>Went to Friends/Relatives</b>
1	1,003,655	115,646	86,511	4,107	565	0	2,563	226,578	39,731
2	325,055	8,093	4,851	1,184	0	0	0	65,378	16,736
3	99,215	982	0	0	0	0	0	20,933	4,645
4	50,523	332	655	0	555	0	0	14,997	2,222
5+	8,437	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>1,486,885</b>	<b>125,053</b>	<b>92,017</b>	<b>5,291</b>	<b>1,120</b>	<b>0</b>	<b>2,563</b>	<b>327,886</b>	<b>63,334</b>

**Table 82B**  
**Number of Vehicle Trips by Destination Activity and Vehicle Occupancy: 13 Ring Counties**

<b>Vehicle Occupancy</b>	<b>Went to Personal Business</b>	<b>Went to Eat Out</b>	<b>Went to Entertainment/Fitness</b>	<b>Went to Civic/Religious</b>	<b>Went to Pick up/Drop off Passenger</b>	<b>Another Person at Their Activity</b>	<b>Changed Mode</b>	<b>At-Home Activities</b>	<b>Working at Home</b>
1	170,972	47,740	23,850	16,578	41,215	0	1,600	224,056	1,943
2	58,302	40,426	13,349	5,379	53,568	0	426	57,031	332
3	15,304	5,421	4,735	2,052	17,864	332	0	26,392	555
4	7,887	3,832	2,321	0	7,743	0	0	9,979	0
5+	1,111	2,404	555	0	3,256	0	0	1,111	0
<b>TOTAL</b>	<b>253,576</b>	<b>99,823</b>	<b>44,810</b>	<b>24,009</b>	<b>123,646</b>	<b>332</b>	<b>2,026</b>	<b>318,569</b>	<b>2,830</b>

**Table 83A**  
**Percent of Vehicle Trips by Destination Activity and Vehicle Occupancy: 13 Ring Counties**

<b>Vehicle Occupancy</b>	<b>Total</b>	<b>Went to Work</b>	<b>Went to Work Related</b>	<b>Went to School</b>	<b>Went to Other School Activities</b>	<b>Went to Child Care</b>	<b>Quick Stop</b>	<b>Went Shopping</b>	<b>Went to Friends/Relatives</b>
1	67.5%	92.5%	94.0%	77.6%	50.4%	NA	100.0%	69.1%	62.7%
2	21.8%	6.5%	5.3%	22.4%	0.0%	NA	0.0%	19.9%	26.4%
3	6.7%	0.8%	0.0%	0.0%	0.0%	NA	0.0%	6.4%	7.4%
4	3.4%	0.2%	0.7%	0.0%	49.6%	NA	0.0%	4.6%	3.5%
5+	0.6%	0.0%	0.0%	0.0%	0.0%	NA	0.0%	0.0%	0.0%
<b>TOTAL</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>NA</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

**Table 83B**  
**Percent of Vehicle Trips by Destination Activity and Vehicle Occupancy: 13 Ring Counties**

<b>Vehicle Occupancy</b>	<b>Went to Personal Business</b>	<b>Went to Eat Out</b>	<b>Went to Entertainment/Fitness</b>	<b>Went to Civic/Religious</b>	<b>Went to Pick up/Drop off Passenger</b>	<b>Another Person at Their Activity</b>	<b>Changed Mode</b>	<b>At-Home Activities</b>	<b>Working at Home</b>
1	67.4%	47.8%	53.2%	69.1%	33.3%	0.0%	79.0%	70.3%	68.7%
2	23.0%	40.5%	29.8%	22.4%	43.3%	0.0%	21.0%	17.9%	11.7%
3	6.0%	5.4%	10.6%	8.5%	14.5%	100.0%	0.0%	8.3%	19.6%
4	3.1%	3.9%	5.2%	0.0%	6.3%	0.0%	0.0%	3.1%	0.0%
5+	0.5%	2.4%	1.2%	0.0%	2.6%	0.0%	0.0%	0.4%	0.0%
<b>TOTAL</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

**Table 84**  
**Number of Vehicle Trips by General Purpose and Vehicle Occupancy**

<b>Vehicle Occupancy</b>	<b>Home Based Work</b>	<b>Home Based Work-Related</b>	<b>Home Based School</b>	<b>Home Based Shopping</b>	<b>Home Based Other</b>	<b>Non-Home Based Work</b>	<b>Non-Home Based Other</b>	<b>Total</b>
1	114,301	26,340	1,184	125,300	171,452	208,708	356,372	1,003,657
2	2,126	2,513	1,184	32,672	82,768	24,266	179,524	325,053
3	655	0	0	10,103	39,362	1,963	47,133	99,216
4	0	0	1,111	6,018	12,705	987	29,703	50,524
5+	0	0	0	0	2,222	0	6,215	8,437
<b>TOTAL</b>	<b>117,082</b>	<b>28,853</b>	<b>3,479</b>	<b>174,093</b>	<b>308,509</b>	<b>235,924</b>	<b>618,947</b>	<b>1,486,887</b>

**Table 85**  
**Percent of Vehicle Trips by General Purpose and Vehicle Occupancy**

<b>Vehicle Occupancy</b>	<b>Home Based Work</b>	<b>Home Based Work-Related</b>	<b>Home Based School</b>	<b>Home Based Shopping</b>	<b>Home Based Other</b>	<b>Non-Home Based Work</b>	<b>Non-Home Based Other</b>	<b>Total</b>
1	97.6%	91.3%	34.0%	72.0%	55.6%	88.5%	57.6%	67.5%
2	1.8%	8.7%	34.0%	18.8%	26.8%	10.3%	29.0%	21.8%
3	0.6%	0.0%	0.0%	5.8%	12.8%	0.8%	7.6%	6.7%
4	0.0%	0.0%	32.0%	3.4%	4.1%	0.4%	4.8%	3.4%
5+	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	1.0%	0.6%
<b>TOTAL</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

**Table 86A**  
**Average Vehicle Occupancy by Destination Activity**

Destination Activity	Percent
Work	1.08
Work-Related	1.07
Attending School	2.33
Other School Activities	8.07
Child Care, Day Care, After School Care	1.00
Quick Stop	3.54
Shopping	1.40
Visit Friends/Relatives	1.49
Personal Business	1.50
Eat Meal Outside of Home	1.47
Entertainment/Recreational/Fitness	1.64
Civic/Religious	1.47
Pick up/Drop off	1.32
With Another Person at Their Activity	9.36
Change Mode	1.88
At-Home Activities	1.42
Working at Home	1.12
<b>AVERAGE</b>	<b>1.40</b>

**Table 86B**  
**Average Vehicle Occupancy by General Purpose: 13 Ring Counties**

General Purpose	Percent
Home Based Work	1.08
Home Based School	8.27
Home Based Shopping	1.42
Home Based Other	1.49
Home Based Work-Related	1.18
Non-Home Based Work	1.07
Non-Home Based Other	1.51
<b>AVERAGE</b>	<b>1.40</b>