

6. Travel Time and Trip Length

- The average travel time for all trips in the 13 counties is 17.2 minutes. Among the trip purposes, Home Based Work trips are the longest, at 40.8 minutes, and Home Based School are the shortest, at 13.3 minutes. (Table 95)
- Auto passenger trips are only slightly shorter than auto driver trips (16 minutes versus 18 minutes). Public transit trips average 31.4 minutes long. (Table 95)
- A third of all trips (34.8%) are five minutes or less in length. These trips average 3.6 minutes in length. (Table 97)
- More than half of all trips (54.1%) are 10 minutes or less in length. These trips average 5.5 minutes in length. (Table 97)
- The average travel distance for all trips made by residents of the 13 counties is 12.7 miles. Among the trip purposes, Home Based Work trips are the longest, at 31.4 miles, and Non-Home Based Other trips are the shortest, at 9.65 miles. (Table 100)
- Drive-alone trips are longest, at 14.3 miles, and walking trips are shortest, at 4.11 miles. (Table 100)
- About one in 20 trips (4.8%) are 1.0 mile or less in length, and nearly one-third (30.6%) are over 15 miles in length. (Table 102)

Table 95
Average Travel Time (Minutes) by Mode and General Purpose: 13 Ring Counties

Mode	Home Based Work	Home Based Work-Related	Home Based School	Home Based Shopping	Home Based Other	Non-Home-Based Work	Non-Home-Based Other	Average
Walk	1	NA	21.5	3.5	6.82	8.28	6.13	6.84
Bicycle	7	NA	NA	NA	15.79	NA	12.84	14.94
Auto Driver	41.5	29.02	5.58	16.75	15.74	21.75	13.5	18.15
Drove Alone	41.33	29.52	5	16.63	15.77	21.31	12.08	19.12
Drove with Passenger	48.7	23.87	5.89	17.08	15.71	25.17	14.89	16.12
Rode as passenger	35.81	11.73	10.21	18.94	16.24	18.04	15.18	16.07
Public Transit	NA	NA	NA	NA	NA	8	35.98	31.36
School Bus	NA	NA	24.77	NA	10	NA	18.42	21.72
Taxi	NA	NA	NA	NA	NA	65	NA	65
Motorcycle	NA	NA	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	52.76	90	59.21
Refused	NA	NA	NA	NA	NA	NA	NA	NA
Average	40.77	26.39	13.26	17.27	15.18	21.07	13.9	17.17

Table 96
Number of Trips by General Purpose and Duration (Minutes): 13 Ring Counties

Minutes	All Trips	Home Based Work	Home Based Work-Related	Home Based School	Home Based Shopping	Home Based Other	Non-Home Based Work	Non-Home Based Other
5 or less	775,541	4,904	5,644	14,660	71,910	206,675	64,701	407,047
6-10	429,986	5,630	6,631	8,141	49,618	102,487	51,087	206,392
11-15	322,497	4,977	3,712	5,972	43,539	88,107	33,347	142,843
16-20	135,557	10,288	1,423	1,739	21,718	27,920	19,583	52,886
21-25	74,321	7,058	1,739	1,739	11,121	7,533	15,008	30,123
26-30	147,949	15,521	3,699	1,739	18,126	25,114	30,030	53,720
31-35	54,174	8,378	4,384	1,184	7,650	5,148	10,639	16,791
36-40	71,588	12,651	1,610	2,368	7,462	11,074	10,636	25,787
41-45	51,750	13,072	759	-	3,503	7,780	9,407	17,229
46-50	26,178	7,677	-	-	3,376	2,022	7,220	5,883
51-55	18,442	5,620	-	555	-	987	4,429	6,851
56-60	47,881	15,679	1,324	-	4,623	12,087	9,552	4,616
61-65	11,588	2,385	1,254	-	1,324	3,976	609	2,040
66-70	9,028	2,146	-	-	1,210	3,885	599	1,188
71-75	18,147	6,756	555	-	1,081	2,808	3,001	3,946
76-80	3,407	1,210	-	-	1,310	-	332	555
81-85	1,918	1,254	-	-	-	332	332	-
86-90	10,730	1,184	888	-	599	3,962	-	4,097
91-95	897	-	-	-	-	332	565	-
96-100	3,299	1,184	-	-	1,184	332	-	599
More than 100	11,649	-	426	-	426	2,474	987	7,336
TOTAL	2,226,527	127,574	34,048	38,097	249,780	515,035	272,064	989,929
Avg. Duration	17.17	40.77	26.39	13.26	17.27	15.18	21.07	13.90

Table 97
Percent of Trips by General Purpose and Duration (Minutes): 13 Ring Counties

Minutes	All Trips	Home Based Work	Home Based Work-Related	Home Based School	Home Based Shopping	Home Based Other	Non-Home Based Work	Non-Home Based Other
5 or less	34.8%	3.8%	16.6%	38.5%	28.8%	40.1%	23.8%	41.1%
6-10	19.3%	4.4%	19.5%	21.4%	19.9%	19.9%	18.8%	20.9%
11-15	14.5%	3.9%	10.9%	15.7%	17.4%	17.1%	12.3%	14.4%
16-20	6.1%	8.1%	4.2%	4.5%	8.7%	5.4%	7.2%	5.3%
21-25	3.3%	5.5%	5.1%	4.5%	4.4%	1.5%	5.5%	3.1%
26-30	6.7%	12.2%	10.9%	4.5%	7.3%	4.9%	11.0%	5.4%
31-35	2.4%	6.6%	12.9%	3.1%	3.1%	1.0%	3.9%	1.7%
36-40	3.2%	9.9%	4.7%	6.3%	3.0%	2.1%	3.9%	2.6%
41-45	2.3%	10.2%	2.2%	0.0%	1.4%	1.5%	3.5%	1.7%
46-50	1.2%	6.0%	0.0%	0.0%	1.3%	0.4%	2.7%	0.6%
51-55	0.8%	4.4%	0.0%	1.5%	0.0%	0.2%	1.6%	0.7%
56-60	2.2%	12.3%	3.9%	0.0%	1.9%	2.3%	3.5%	0.5%
61-65	0.5%	1.9%	3.7%	0.0%	0.5%	0.8%	0.2%	0.2%
66-70	0.4%	1.7%	0.0%	0.0%	0.5%	0.7%	0.2%	0.1%
71-75	0.8%	5.3%	1.6%	0.0%	0.4%	0.5%	1.1%	0.4%
76-80	0.2%	0.9%	0.0%	0.0%	0.5%	0.0%	0.1%	0.1%
81-85	0.1%	1.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%
86-90	0.5%	1.0%	2.6%	0.0%	0.2%	0.8%	0.0%	0.4%
91-95	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.0%
96-100	0.2%	0.9%	0.0%	0.0%	0.5%	0.1%	0.0%	0.1%
More than 100	0.5%	0.0%	1.2%	0.0%	0.2%	0.5%	0.4%	0.7%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 98
Trips by Mode and Duration (Minutes): 13 Ring Counties

Minutes	Walk	Bike	Drove Alone	Drove With Passenger	Auto Driver	Rode as Passenger	Public Transit	School Bus	Motorcycle	Taxi	Other	Refused	Total*
5 or less	73,184	6,163	313,884	179,843	493,727	201,284	-	1,184	-	-	-	-	775,542
6-10	11,480	4,061	190,321	94,333	284,654	126,207	1,845	1,739	-	-	-	-	429,986
11-15	10,919	1,111	114,054	82,917	196,971	110,256	1,630	1,184	-	-	426	-	322,497
16-20	555	-	71,503	21,074	92,577	37,353	-	5,072	-	-	-	-	135,557
21-25	1,106	2,368	40,109	14,433	54,542	15,121	-	1,184	-	-	-	-	74,321
26-30	2,977	-	76,664	30,428	107,092	36,141	-	1,739	-	-	-	-	147,949
31-35	-	-	41,411	5,144	46,556	6,435	-	1,184	-	-	-	-	54,174
36-40	609	2,368	36,204	14,053	50,257	18,354	-	-	-	-	-	-	71,588
41-45	426	555	29,758	10,176	39,934	10,279	-	555	-	-	-	-	51,749
46-50	-	-	16,709	4,136	20,845	5,334	-	-	-	-	-	-	26,179
51-55	-	-	12,670	987	13,657	4,230	-	555	-	-	-	-	18,442
56-60	-	-	26,894	7,937	34,831	10,828	-	-	-	-	2,222	-	47,881
61-65	-	-	4,620	3,268	7,888	3,090	-	0	-	609	-	-	11,587
66-70	426	-	5,299	2,447	7,746	-	856	-	-	-	-	-	9,028
71-75	-	-	11,265	3,547	14,812	2,478	856	-	-	-	-	-	18,146
76-80	332	-	1,766	655	2,421	655	-	-	-	-	-	-	3,408
81-85	-	-	1,918		1,918	-	-	-	-	-	-	-	1,918
86-90	-	-	3,350	3,394	6,745	3,429	-	-	-	-	555	-	10,728
91-95	-	-		898	898	-	-	-	-	-	-	-	898
96-100	-	-	1,783	332	2,115	1,184	-	-	-	-	-	-	3,299
More than 100	-	-	3,474	3,229	6,702	4,948	-	-	-	-	-	-	11,651
TOTAL	102,014	16,626	1,003,656	483,231	1,486,888	597,606	5,187	14,396	-	609	3,203	-	2,226,528
Avg. Duration	6.84	14.94	19.12	16.12	18.15	16.07	31.36	21.72	NA	65	59.21	NA	17.17

Table 99
Percent of Trips by Mode and Duration (Minutes): 13 Ring Counties

Minutes	Walk	Bike	Drove Alone	Drove With Passenger	Auto Driver	Rode as Passenger	Public Transit	School Bus	Motorcycle	Taxi	Other	Refused	Total
5 or less	71.7%	37.1%	31.3%	37.2%	33.2%	33.7%	0.0%	8.2%	NA	0.0%	0.0%	NA	34.8%
6-10	11.3%	24.4%	19.0%	19.5%	19.1%	21.1%	35.6%	12.1%	NA	0.0%	0.0%	NA	19.3%
11-15	10.7%	6.7%	11.4%	17.2%	13.3%	18.5%	31.4%	8.2%	NA	0.0%	13.3%	NA	14.5%
16-20	0.6%	0.0%	7.1%	4.4%	6.2%	6.3%	0.0%	35.2%	NA	0.0%	0.0%	NA	6.1%
21-25	1.1%	14.2%	4.0%	3.0%	3.7%	2.5%	0.0%	8.2%	NA	0.0%	0.0%	NA	3.3%
26-30	2.9%	0.0%	7.6%	6.3%	7.2%	6.0%	0.0%	12.1%	NA	0.0%	0.0%	NA	6.7%
31-35	0.0%	0.0%	4.1%	1.1%	3.1%	1.1%	0.0%	8.2%	NA	0.0%	0.0%	NA	2.4%
36-40	0.6%	14.2%	3.6%	2.9%	3.4%	3.1%	0.0%	0.0%	NA	0.0%	0.0%	NA	3.2%
41-45	0.4%	3.4%	3.0%	2.1%	2.7%	1.7%	0.0%	3.9%	NA	0.0%	0.0%	NA	2.3%
46-50	0.0%	0.0%	1.7%	0.8%	1.4%	0.9%	0.0%	0.0%	NA	0.0%	0.0%	NA	1.2%
51-55	0.0%	0.0%	1.3%	0.2%	0.9%	0.7%	0.0%	3.9%	NA	0.0%	0.0%	NA	0.8%
56-60	0.0%	0.0%	2.7%	1.6%	2.3%	1.8%	0.0%	0.0%	NA	0.0%	69.4%	NA	2.2%
61-65	0.0%	0.0%	0.4%	0.7%	0.5%	0.5%	0.0%	0.0%	NA	100.0%	0.0%	NA	0.5%
66-70	0.4%	0.0%	0.5%	0.5%	0.5%	0.0%	16.5%	0.0%	NA	0.0%	0.0%	NA	0.4%
71-75	0.0%	0.0%	1.1%	0.7%	1.0%	0.4%	16.5%	0.0%	NA	0.0%	0.0%	NA	0.8%
76-80	0.3%	0.0%	0.2%	0.1%	0.2%	0.1%	0.0%	0.0%	NA	0.0%	0.0%	NA	0.2%
81-85	0.0%	0.0%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	NA	0.0%	0.0%	NA	0.1%
86-90	0.0%	0.0%	0.3%	0.7%	0.5%	0.6%	0.0%	0.0%	NA	0.0%	17.3%	NA	0.5%
91-95	0.0%	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	NA	0.0%	0.0%	NA	0.0%
96-100	0.0%	0.0%	0.2%	0.1%	0.1%	0.2%	0.0%	0.0%	NA	0.0%	0.0%	NA	0.2%
More than 100	0.0%	0.0%	0.3%	0.7%	0.5%	0.8%	0.0%	0.0%	NA	0.0%	0.0%	NA	0.5%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	NA	100.0%	100.0%	NA	100.0%

Table 100
Average Travel Distance (Miles) by Mode and General Purpose: 13 Ring Counties

Mode	Home Based Work	Home Based Work-Related	Home Based School	Home Based Shopping	Home Based Other	Non-Home-Based Work	Non-Home-Based Other	Average
Walk	0.65	NA	3.75	2.82	5.76	0.96	3.87	4.11
Bicycle	4.66	NA	NA	NA	11.41	NA	2.26	9.58
Auto Driver	31.78	25.67	6.28	14.54	13.02	14.24	9.78	13.75
Drove Alone	31.54	26.69	6.13	15.03	11.69	13.81	9.15	14.30
Drove with Passenger	41.56	14.92	6.36	13.28	14.69	17.53	10.63	12.62
Rode as passenger	30.24	11.48	13.36	12.68	12.63	11.16	9.93	11.47
Public Transit	NA	NA	NA	NA	NA	0.54	10.11	8.53
School Bus	NA	NA	5.31	NA	2.04	NA	20.87	11.27
Taxi	NA	NA	NA	NA	NA	38.32	NA	38.32
Motorcycle	NA	NA	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	44.05	51.61	45.36
Refused	NA	NA	NA	NA	NA	NA	NA	NA
Average	31.42	23.5	10.7	13.88	12.28	13.55	9.65	12.69

Table 101
Number of Trips by General Purpose and Distance (Miles): 13 Ring Counties

Miles	All Trips	Home Based Work	Home Based Work-Related	Home Based School	Home Based Shopping	Home Based Other	Non-Home Based Work	Non-Home Based Other
1.0 or less	105,818	3,046	-	-	2,659	8,393	29,313	62,407
1.01 to 2	117,752	-	426	-	8,455	17,262	22,517	69,092
2.01 to 3	160,5889	-	655	-	13,829	42,170	18,791	85,144
3.01 to 4	321,282	-	665	1,111	29,448	61,971	18,239	209,848
4.01 to 5	345,872	665	3,406	13,213	25,278	77,260	26,738	199,312
5.01 to 6	84,012	1,516	-	-	22,751	35,513	9,103	15,129
6.01 to 7	84,559	1,111	-	14,806	13,392	20,607	4,843	29,800
7.01 to 8	62,748	1,130	2,093	-	9,125	29,919	7,555	12,926
8.01 to 9	36,562	1,111	426	-	1,264	11,902	6,124	15,735
9.01 to 10	53,787	1,767	4,434	-	8,675	10,739	5,981	22,191
10.01 to 11	27,072	665	332	-	2,933	10,503	3,903	8,736
11.01 to 15	144,792	3,872	2,476	-	18,345	31,900	27,395	60,804
More than 15	681,688	112,692	19,135	8,968	93,628	156,896	91,564	198,805
TOTAL	2,226,533	127,575	34,048	38,098	249,782	515,035	272,066	989,929
Avg. Distance	12.69	31.42	23.5	10.7	13.88	12.28	13.55	9.65

Table 102
Percent of Trips by General Purpose and Distance (Miles): 13 Ring Counties

Miles	All Trips	Home Based Work	Home Based Work-Related	Home Based School	Home Based Shopping	Home Based Other	Non-Home Based Work	Non-Home Based Other
1.0 or less	4.8%	2.4%	0.0%	0.0%	1.1%	1.6%	10.8%	6.3%
1.01 to 2	5.3%	0.0%	1.3%	0.0%	3.4%	3.4%	8.3%	7.0%
2.01 to 3	7.2%	0.0%	1.8%	0.0%	5.5%	8.2%	6.9%	8.6%
3.01 to 4	14.4%	0.0%	2.0%	2.9%	11.8%	12.0%	6.7%	21.2%
4.01 to 5	15.5%	0.5%	10.0%	34.7%	10.1%	15.0%	9.8%	20.1%
5.01 to 6	3.8%	1.2%	0.0%	0.0%	9.1%	6.9%	3.3%	1.5%
6.01 to 7	3.8%	0.9%	0.0%	38.9%	5.4%	4.0%	1.8%	3.0%
7.01 to 8	2.8%	0.9%	6.1%	0.0%	3.6%	5.8%	2.8%	1.3%
8.01 to 9	1.7%	0.9%	1.3%	0.0%	0.5%	2.3%	2.2%	1.6%
9.01 to 10	2.4%	1.4%	13.0%	0.0%	3.5%	2.1%	2.2%	2.3%
10.01 to 11	1.2%	0.5%	1.0%	0.0%	1.2%	2.0%	1.4%	0.9%
11.01 to 15	6.5%	3.0%	7.3%	0.0%	7.3%	6.2%	10.1%	6.1%
More than 15	30.6%	88.3%	56.2%	23.5%	37.5%	30.5%	33.7%	20.1%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 103
Number of Trips by Mode and Distance (Miles): 13 Ring Counties

Miles	Walk	Bike	Drove Alone	Drove With Passenger	Auto Driver	Rode as Passenger	Public Transit	School Bus	Motorcycle	Taxi	Other	Refused	Total*
1.0 or less	10,388	772	18,309	9,771	28,080	9,387	397	-	-	-	-	-	49,024
1.01 to 2	3,773		22,950	10,540	33,491	16,832	458	-	-	-	-	-	54,554
2.01 to 3	3,657		35,659	17,506	53,165	17,318	-	257	-	-	-	-	74,397
3.01 to 4	8,010	1,029	64,224	35,219	99,443	39,606	755	-	-	-	-	-	148,843
4.01 to 5	17,218	1,134	60,583	34,860	95,444	42,893	-	3,548	-	-	-	-	160,237
5.01 to 6	1,183		14,328	9,182	23,510	14,031	-	-	-	-	197	-	38,921
6.01 to 7	303		10,499	9,072	19,571	19,300	-	-	-	-	-	-	39,174
7.01 to 8	1,041	515	14,111	4,822	18,933	8,581	-	-	-	-	-	-	29,070
8.01 to 9			8,493	4,159	12,652	4,286	-	-	-	-	-	-	16,938
9.01 to 10			12,706	5,325	18,031	6,888	-	-	-	-	-	-	24,919
10.01 to 11			7,145	2,294	9,439	3,103	-	-	-	-	-	-	12,542
11.01 to 15	308	2,059	28,837	14,702	43,539	20,626	-	548	-	-	-	-	67,080
More than 15	1,381	2,194	167,132	66,419	233,551	74,012	793	2,316	-	282	1,287	-	315,816
TOTAL	47,262	7,703	464,976	223,872	688,849	276,863	2,403	6,669	-	282	1,484	-	1,031,515

*Total does not include "Auto Driver" category.

Table 104
Percent of Trips by Mode and Distance (Miles): 13 Ring Counties

				Drove									
			Drove	With	Auto	Rode as	Public	School					
Miles	Walk	Bike	Alone	Passenger	Driver	Passenger	Transit	Bus	Motorcycle	Taxi	Other	Refused	Total*
1.0 or less	22.0%	10.0%	3.9%	4.4%	4.1%	3.4%	16.5%	0.0%	NA	0.0%	0.0%	NA	4.8%
1.01 to 2	8.0%	0.0%	4.9%	4.7%	4.9%	6.1%	19.1%	0.0%	NA	0.0%	0.0%	NA	5.3%
2.01 to 3	7.7%	0.0%	7.7%	7.8%	7.7%	6.3%	0.0%	3.9%	NA	0.0%	0.0%	NA	7.2%
3.01 to 4	17.0%	13.4%	13.8%	15.7%	14.4%	14.3%	31.4%	0.0%	NA	0.0%	0.0%	NA	14.4%
4.01 to 5	36.4%	14.7%	13.0%	15.6%	13.9%	15.5%	0.0%	53.2%	NA	0.0%	0.0%	NA	15.5%
5.01 to 6	2.5%	0.0%	3.1%	4.1%	3.4%	5.1%	0.0%	0.0%	NA	0.0%	13.3%	NA	3.8%
6.01 to 7	0.6%	0.0%	2.3%	4.0%	2.8%	7.0%	0.0%	0.0%	NA	0.0%	0.0%	NA	3.8%
7.01 to 8	2.2%	6.7%	3.0%	2.1%	2.8%	3.1%	0.0%	0.0%	NA	0.0%	0.0%	NA	2.8%
8.01 to 9	0.0%	0.0%	1.8%	1.9%	1.8%	1.5%	0.0%	0.0%	NA	0.0%	0.0%	NA	1.7%
9.01 to 10	0.0%	0.0%	2.7%	2.4%	2.6%	2.5%	0.0%	0.0%	NA	0.0%	0.0%	NA	2.4%
10.01 to 11	0.0%	0.0%	1.6%	1.0%	1.4%	1.1%	0.0%	0.0%	NA	0.0%	0.0%	NA	1.2%
11.01 to 15	0.7%	26.7%	6.2%	6.6%	6.3%	7.4%	0.0%	8.2%	NA	0.0%	0.0%	NA	6.5%
More than 15	2.9%	28.5%	36.0%	29.7%	33.9%	26.7%	33.0%	34.7%	NA	100.0%	86.7%	NA	30.6%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	NA	100.0%	100.0%	NA	100.0%

*Total does not include "Auto Driver" category.