



## Memo

To: Robert Griffiths, Clara Reschovsky, MWCOG  
From: Ramon Dickerson, NuStats  
CC: Johanna Zmud, Sabrina Anderson, NuStats  
Date: 9/6/2007  
Re: **MWCOG Household Travel Survey – Interim Data Delivery 3 Summary**

This memo summarizes the data included in the first interim dataset delivered to MWCOG for the 2006/2007 Household Travel Survey. The data included in this first delivery reflect all information collected through Sunday, August 19, 2007.

In addition to this cover memo, the delivery files include the database and the delivery matrix, or data dictionary. Table 1 below shows all files included in the Client.mdb database posted on the ftp site.

**Table 1 - Tables Included in Delivery 1 Database**

FILE TYPE	FILE NAME	NUMBER OF RECORDS
Retrieval Files	HH	4,300
	PER	9,105
	VEH	7,387
	TRIP	47,901
	LOC	27,815
Recruitment Files	HH_REC	8,338
	PER_REC	19,352
	VEH_REC	15,063
	LOC_REC	16,765
Household Questionnaire Files	HHQ	1,995
	HHQ_PER	4,209
	HHQ_VEH	3,064
Other Files	ALL_SAMP	83,117

### Retrieval Data

As of August 19, 2007, 4,300 households have completed retrieval. 1,947 (45%) of the delivered households were collected by proxy; that is, information for one or more adults (age 16 or over) in the household was collected by a different household member. No Valid Partial exist in the data set.

The zero trip rates, households or persons reporting no trip activity, is being closely monitored. Only 264 households and 1,130 people reported making no trip activity for their travel day, a 6% household and a 12% person zero trip rate.

Proxy	1,947	45%
Valid Partial	0	0%
Zero Trip Households	264	6%
Zero Trip Persons	1,130	12%

**Recruitment Data**

Up to the September 3rd cutoff date, there were 8,338 recruitment completes. Our data cleaning group reviewed this data primarily to provide feedback to DataSource on interviewer training since missing and/or inconsistent data will be corrected at retrieval.

7,239 of the 8,338 recruited households have been eligible for retrieval (travel day has passed). Table 2 shows the retrieved to recruited households broken out at a cross class comparison. Overall the project is performing at a 59.4% retrieval window, but the different cross class cells are performing and varying rates.

**Table 2 - Recruited and Retrieved by HH Size and Vehicles**

Distribution of HH Vehicles by HH Size for survey area					
Recruited					
	0 vehicle	1 vehicle	2 vehicles	3+ vehicles	Total
1-person household	387	1,799	260	71	2,517
2-person household	153	702	1,603	500	2,958
3-person household	35	238	526	442	1,241
4-person household	29	177	760	649	1,615
Total	604	2,916	3,149	1,662	8,331
Retrieved					
	0 vehicle	1 vehicle	2 vehicles	3+ vehicles	Total
1-person household	229	1,130	157	31	1,547
2-person household	68	349	894	290	1,601
3-person household	8	90	235	199	532
4-person household	7	59	326	228	620
Total	312	1,628	1,612	748	4,300
Retrieved %					
	0 vehicle	1 vehicle	2 vehicles	3+ vehicles	Total
1-person household	59.2%	62.8%	60.4%	43.7%	61.5%
2-person household	44.4%	49.7%	55.8%	58.0%	54.1%
3-person household	22.9%	37.8%	44.7%	45.0%	42.9%
4-person household	24.1%	33.3%	42.9%	35.1%	38.4%
Total	51.7%	55.8%	51.2%	45.0%	51.6%

Distribution of HH Vehicles by HH Size for survey area					
Recruited					
	0 vehicle	1 vehicle	2 vehicles	3+ vehicles	Total
1-person household	4.6%	21.6%	3.1%	0.9%	30.2%
2-person household	1.8%	8.4%	19.2%	6.0%	35.5%
3-person household	0.4%	2.9%	6.3%	5.3%	14.9%
4-person household	0.3%	2.1%	9.1%	7.8%	19.4%
Total	7.3%	35.0%	37.8%	19.9%	100.0%
Retrieved					
	0 vehicle	1 vehicle	2 vehicles	3+ vehicles	Total
1-person household	5.3%	26.3%	3.7%	0.7%	36.0%
2-person household	1.6%	8.1%	20.8%	6.7%	37.2%
3-person household	0.2%	2.1%	5.5%	4.6%	12.4%
4-person household	0.2%	1.4%	7.6%	5.3%	14.4%
Total	7.3%	37.9%	37.5%	17.4%	100.0%

**Household Questionnaire Files**

Data collected from the household questionnaires through September 3rd are included in this delivery. Please note that the household questionnaire files include many more records than are in the retrieval files.

**Additional Information**

The ALL\_SAMP file is provided for informational purposes. It lists all households dialed through the cutoff date.

**Table 3 – Geocoding Match Rates**

Match Rates	Home		Work		School		Volunteer		Activity	
Matched	3,948	96%	3268	96%	1432	95%	158	89%	11667	97%
Unmatched	165	4%	111	3%	58	4%	17	10%	319	3%
Out of Area	1	0%	16	0%	11	1%	2	1%	89	1%
<b>Total</b>	<b>4,114</b>		<b>3,395</b>		<b>1,501</b>		<b>177</b>		<b>12,075</b>	
Un-geocoded	186		1,119		834		1,023		3,370	

Table 4 list the delivery numbers by jurisdiction and compared to total goals.

**Table 4 – Jurisdiction**

State	Jurisdiction	Code	Delivered	Percent Dist
D.C.	District of Columbia	1	561	13.0%
Maryland	Montgomery County	2	691	16.1%
	Prince George's County	3	502	11.7%
	Frederick County/ City	9	151	3.5%
	Howard County	10	162	3.8%
	Anne Arundel County	11	157	3.7%
	Charles County	12	73	1.7%
	Carroll County	13	126	2.9%
	Calvert County	14	30	0.7%
	St. Mary's County	15	29	0.7%
	Baltimore City	23	101	2.3%
	Baltimore County	24	84	2.0%
	Harford County	25	111	2.6%
Virginia	Arlington County	4	308	7.2%
	Alexandria City	5	155	3.6%
	Fairfax County/ City	6	617	14.3%
	Loudon County	7	119	2.8%
	Prince William County	8	130	3.0%
	King George County	16	15	0.3%
	Fredericksburg City	17	15	0.3%
	Stafford County	18	52	1.2%
	Spotsylvania County	19	33	0.8%
	Fauquier County	20	26	0.6%
	Clarke County	21	23	0.5%
W. Virginia	Jefferson County	22	29	0.7%
Total			4,300	100.0%

Tables 5-7 show the various trip rates, focusing on household size and household vehicles available.

**Table 5 – Trip Rates by Household Size**

Household Size	Retrieved	Trips	Trip Rate
1	773	3,791	4.90
2	871	7,320	8.40
3	312	3,798	12.17
4+	368	6,891	18.73
Total	2,324	21,800	9.38
Person	5,096	21,800	4.28

**Table 6 – Trip Rates by Household Vehicles**

Household Vehicles	Retrieved	Trips	Trip Rate
0	312	1,913	6.13
1	1,628	10,949	6.73
2	1,612	17,156	10.64
3+	748	8,778	11.74
Total	4,300	38,796	9.02

Sample type 22 is yielding a slightly higher trip rate; however, sample type 21 has a greater percentage of larger households.

**Table 7 – Trip Rates by Household Vehicles and Sample Type**

Sample Type 21 <i>PKW NUMB</i>			
Household Vehicles	Retrieved	Trips	Trip Rate
0	1,086	4,954	4.56
1	1,212	9,946	8.21
2	423	5,065	11.97
3+	514	9,500	18.48
Total	3,235	29,465	9.11
Sample Type 22 <i>ADRES ONLY</i>			
Household Vehicles	Retrieved	Trips	Trip Rate
0	461	2,593	5.62
1	389	3,518	9.04
2	109	1,419	13.02
3+	106	1,801	16.99
Total	1,065	9,331	8.76

