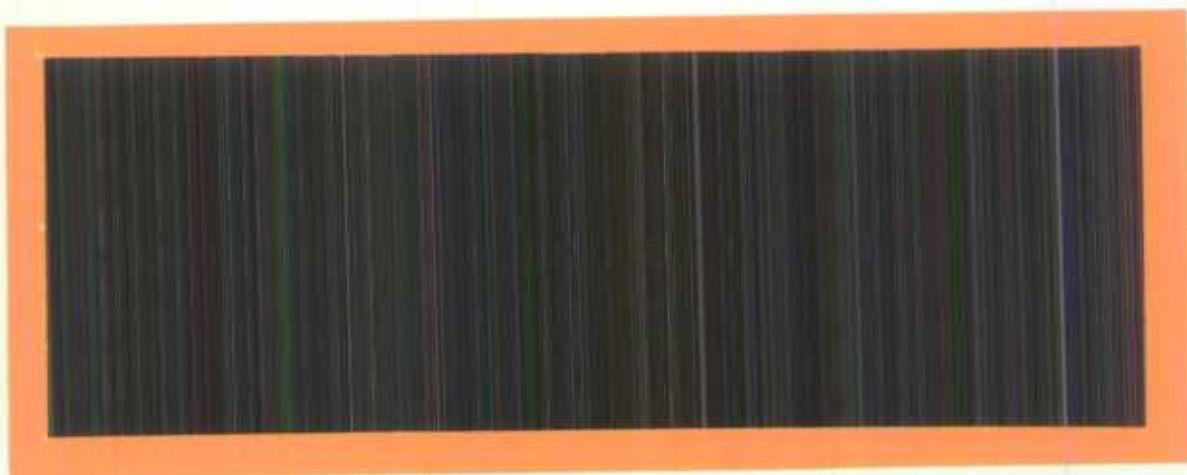




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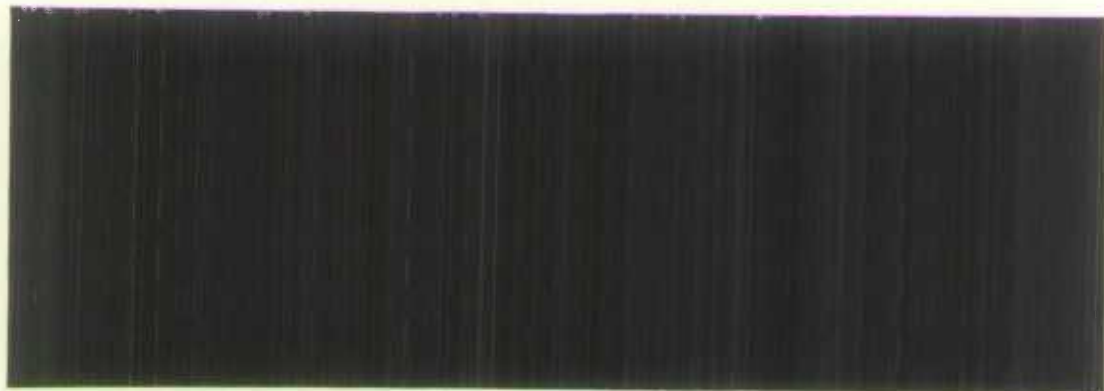
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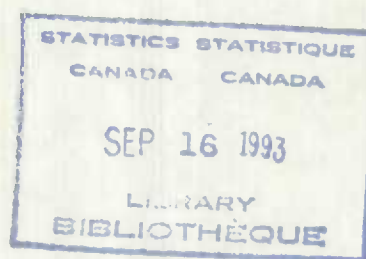
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RESULTS FROM THE LFS TIME AND
COST STUDY



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Household Survey Methods Division

Statistics Canada

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1. Introduction

The Labour Force Survey has historically undergone a redesign following each decennial census. A central issue in each redesign effort has been that of the allocation of the sample among the various stages of sampling. At stake in this issue are two considerations of survey and sample design which act at cross-purposes. They are: 1) reducing the variance of estimates obtained from the survey, which can generally be attained by dispersing the sample within strata; 2) reducing data collection costs, which calls for stronger clustering of the sample. The aim is to find some middle ground yielding acceptable variances and reasonable costs. The redesign effort is not operating in the dark in this respect, since the current sample design, by virtue of its implementation and past success, has essentially defined what constitutes an appropriate middle ground. That definition was arrived at in part through a Time and Cost Study conducted in 1971. The results of that study, however, are no longer applicable because of the effect of questionnaire changes and telephone interviewing on fixed costs and the impact of the sample size increase on average distances between sampled units. Accordingly, with the cooperation of Regional Operations Division, a comparable study was conducted from February through July of 1982.

The principal aim of this study was to obtain estimates of parameters needed to evaluate the cost/variance implications of various design alternatives. Secondly the information collected was to be used to obtain estimates of allocation of field time for budgeting purposes. In addition, the nature of the data permitted the extraction of information on interviewer movement and household visit patterns. This report deals largely with these latter two uses of the Time and Cost Study data. The parameter estimates mentioned above and their implications for the redesign will be covered in a separate report.

2. Background

The Time and Cost Study was conducted from February to July of 1982. Approximately three hundred assignments were selected for the study (25% of total), with representation from each regional office and from each assignment type (SRU, NSRU, mixed) within the various regions. Assignment cost-per-household figures were examined to ensure that different per-household cost levels

were adequately represented in the study. The form designed for the purpose of the study was highly streamlined from that used in 1971, the rationale being that the time spent filling out the form could not realistically be separated from normal field time and should therefore be kept to a minimum if the measurement of allocation of field time was to have any validity.

A copy of the form (F85A) supplied to interviewers is provided in the appendix. The interviewer was requested to supply identifying information for every dwelling visited during a day's normal interviewing activity. In the case of a Labour Force Survey sampled dwelling, the identifier to be entered was the PSU, group, cluster, rotation number and listing number. For any other dwelling or building, e.g., the interviewer's own home, a restaurant, the post office, etc., the identifier fields were to be filled with nines (9's). In addition to this, the time of arrival and time of departure were to be entered, the odometer reading upon arrival or departure, and the number of schedules completed, if any. Aside from the form header information and the odometer type (kilometers or miles), no other entries were required of the interviewer.

The returned forms were subjected to a manual edit to identify obvious errors such as miscoding or omission of the "nines" entries, inconsistent odometer readings, etc. Because of the time-consuming nature of this task and the limited resources available, only a cursory examination of the forms was carried out, so that many manually correctable errors may well have gone undetected. The forms were then keyed and the data placed on magnetic tape. A preliminary computer edit was carried out to validate numeric fields, fill in missing information where possible, ensure consistent time reporting and to detect unrealistic changes in time or kilometrage. An examination of erroneous records permitted the elaboration of a set of generalized edits that could correct systematic errors. The interviewer number and dwelling identifier fields were validated by matching with the corresponding fields on the response file. The household response code and method of interview assigned were retrieved during this process. Unmatched assignments or assignments with serious dwelling matching problems were dropped from the study (about 4 per month on average). Finally, the generalized edits were applied

to correct erroneous time and kilometrage entries, yielding a file suitable for analysis.

In an attempt to get some notion of the quality of the study data, individual assignment costs were calculated by aggregating total time and kilometrage per interviewing period over all such periods in an assignment. For this purpose, an interviewing period was defined as the interval between two consecutive "nines" entries on the same day. Assignment costs (both fees and expenses) calculated on this basis for July were then compared to AFMIS figures for the same month. The agreement at the assignment level was somewhat less than perfect, with time being generally underreported and about 20% of assignments showing somewhat high kilometrage, the rest demonstrating the same pattern of underreporting as was observed for time. The underreporting can be attributed partly to the fact that about 10% of interviewed households in the selected assignments did not show-up in the study. A perusal of the forms in conjunction with the F85 Claim Reports indicated that evening interviewing periods were the ones most often omitted. The high kilometrage assignments probably reflect problems with the "nines" entries. Since estimates of overall time and distance for comparison purposes were based purely on these entries, the results confirmed the observation made at the time of manual editing that there had been considerable misunderstanding concerning the coding of these entries. The effect of these errors on the aggregated results for assignment time allocation, however, would tend to be minimized by the fact that travel time and distance were aggregated on an entry-to-entry basis, so that only time allocation categories involving the "nines" entries (e.g. home to area) should be affected. Even for these categories, judicious suppression of extreme outliers before aggregation appears to have eliminated most problems.

3. Tabulations

The tables in the appendix are based on 6-month aggregated figures and are provided by regional office and area. The tables are:

- a) Time and Kilometrage per Household
- b) Non Travel Field Time and Dwelling Visits

1. About the same as the other two, but...

2. The same as the other two, but...
3. The same as the other two, but...
4. The same as the other two, but...
5. The same as the other two, but...
6. The same as the other two, but...
7. The same as the other two, but...
8. The same as the other two, but...
9. The same as the other two, but...
10. The same as the other two, but...

11. The same as the other two, but...

12. The same as the other two, but...
13. The same as the other two, but...
14. The same as the other two, but...
15. The same as the other two, but...
16. The same as the other two, but...
17. The same as the other two, but...
18. The same as the other two, but...
19. The same as the other two, but...
20. The same as the other two, but...
21. The same as the other two, but...
22. The same as the other two, but...
23. The same as the other two, but...
24. The same as the other two, but...
25. The same as the other two, but...
26. The same as the other two, but...
27. The same as the other two, but...
28. The same as the other two, but...
29. The same as the other two, but...
30. The same as the other two, but...

- c) Percent Successful Visits by Time of Day
- d) Dwelling Visits
- e) Average Home-to-Area Distance, Time, and Speed

Distance is given in kilometers, time in minutes. The term "household", when it appears by itself in the tables, refers to non-vacant dwelling units and thus includes non-respondent households. Certain sample sizes may not agree across tables because of the suppression of outlying entries. A certain distortion was introduced into the April 1982 figures for self-representing areas because of the drop-off of the Survey of Consumer Finance. Aggregated time and kilometrage for that month is generally high; however, the increase in the number of households visited compensates for this overstatement when per-household figures are calculated, so that time and kilometrage per household is somewhat, but not substantially, lower than usual. Aggregating over six months dampens the distortion still further. Interviewing time and visits per household were also somewhat understated for April, with the effect again being greatly attenuated by averaging over six months.

4. Interviewing in the Field - A Discussion of Results

The determinants of the field cost of administering the Labour Force Survey are as varied as they are numerous. They include such factors as weather conditions, interviewer experience and efficiency, the presence or absence of supplementary surveys, assignment planning, average household size, and a host of others. The Time and Cost Study in addition to providing parameters essential for evaluating the cost/variance implications of various design alternatives, has yielded a wealth of information concerning various aspects of field interviewing that provide a clearer picture of the overall process and of certain significant details. This section will attempt to look at field interviewing with a view to isolating the distinct factors that affect its cost. The tables in the appendix, which contain far more information than is considered within the body of this text, are fairly straightforward and are left to the perusal of the interested reader. As a preliminary, the following table provides the basic results on time and kilometrage per household by type of area at the Canada level. Results by regional office may be found in the appendix.

Time and Kilometrage per Household

	<u>Minutes</u>	<u>Kilometers</u>
NSR Rural Areas		
Non-Travel Component	17.9	-
Travel Component	18.7	10.2
TOTAL	36.5	10.2
NSR Urban Areas		
Non-Travel Component	17.5	-
Travel Component	15.9	6.1
TOTAL	33.4	6.1
SR Areas		
Non-Travel Component	19.2	-
Travel Component	23.7	9.1
TOTAL	42.9	9.1

It would not be difficult to improvise explanations for the observed results, e.g., slower speed of travel in SRU's, greater distances travelled in rural areas, predominance of birth households in SRU's. However, this report will proceed in a step-by-step fashion and attempt to provide some support for explanations of the observed results.

Possibly the most basic factor influencing the pattern of interviewer movement within an assignment, excepting of course the actual composition of the assignment, is the elementary fact of whether or not anyone is at home when a call to a dwelling unit is made. However, the presence of someone at home is no guarantee of a response, nor does the absence of anyone necessarily imply that a visit was unsuccessful. For our purposes a successful visit will be defined as one which does not necessitate a call-back. Thus a visit permitting the identification of a dwelling as vacant is a "successful" visit, as is a visit yielding a refusal, since the interviewer need make no further visits to the household or dwelling in question. The pattern of successful/unsuccessful visits in an assignment will largely determine interviewer movement and will in some cases tend to dampen the effects of optimal assignment planning. The Time and Cost Study has provided a unique

opportunity to estimate the probability of successful visits. The table below summarizes the overall results:

Percent Successful Visits

	<u>Rotate-Ins</u>	<u>Non Rotate-Ins</u>
NSR rural areas	66.0	75.7
NSR urban areas ,	57.6	68.4
SR areas	51.1	62.6

Results by regional office and time of day are provided in the Appendix. The decrease in the percent of successful visits as one moves from rural to urban can be attributed to an increase in the employment / population ratio and a decrease in average household size with urbanization. Both factors affect the chances of finding someone at home, and the association with urbanization is such that household members in more populated areas are generally more likely to be absent at the time of a visit.

The higher successful visit rate for non rotate-ins compared to rotate-ins, on the other hand, is probably related to the fact that more information is available to the interviewer concerning both the dwellings to be visited (e.g. potential vacants) and the best time to call. However, the fact that the increase is only about 10% probably indicates that the quality or value of this additional information is uneven. Nonetheless, the pattern is apparent for all regional offices, even by time of day (see Appendix).

For both rotate-in and non rotate-in dwellings, however, little variation was recorded in the proportion of successful visits by time of day at the Canada level, although there are isolated exceptions to this at the Regional level. At any rate, the existence of a clear "best time to call" (or not to call) would be of somewhat limited usefulness, given variations in local conditions and the constraints on interviewer time imposed by the survey cut-off date.

The probability of a successful visit, since it determines the average number of visits made per household, should have a visible impact on the total distance travelled per household. The relatively high value observed for households in self-representing areas (9.1 km / household compared to 10.2 km in NSR rural and 6.1 km in NSR urban) is a reflection of the lower successful visit rate in SRU's, although the picture is far from complete, as the following table suggests:

	Distance per household	Visits per household	Distance per visit	Mean Home-to-area distance
NSR rural	10.2 km	1.6	6.4 km	17.6 km
NSR urban	6.1	1.7	3.6	11.4
SR	9.1	2.0	4.6	8.2

Generally the mean distance travelled per visit in self-representing areas seems to be higher than one would expect on the basis of geography. The results for mean home-to-area distance are more in line with intuitive expectations. This apparent discrepancy is partly due to the fact that fixed assignment field costs (such as home-to-area travel), although lower in self-representing areas, are distributed over proportionately fewer households in SRU's. Moreover, the sample of visited dwellings in self-representing areas includes non rotate-in dwellings classified as vacant the previous month, households which could not be reached on the telephone, and households without telephones or which refused to be interviewed by telephone. Generally such households will be scattered over many different clusters, so that most of the non rotate-in clusters visited by interviewers in SRU's will contain only one or two households. Since the proportion of such households can run as high as 10% of the SRU sample, overall per-household travel distance will be heavily influenced by their presence. Such factors do not operate in NSR urban areas, and their absence has a demonstrably favourable impact on the distance per visit figure in the above table. The finer breakdown of per-visit distances provided below illustrates these effects somewhat more clearly.

Distance Travelled per Visit

	<u>Home to Area</u>	<u>Between Sampling Units</u>	<u>Other</u>
NSR rural	2.4 km	2.6 km	1.4 km
NSR urban	1.8	0.9	0.9
SR	1.7	1.6	1.3

Thus far no mention has been made of travel time. The determining factor here is of course speed of travel. The results are largely as expected. They are presented below by type of area at the Canada level.

Speed of Travel (km/hr)

	<u>Home to Area</u>	<u>Overall</u>
NSR rural	41.1	32.7
NSR urban	33.1	23.0
SR	27.9	23.0

The comparable overall travel speeds in SR areas and NSR urban areas is again a reflection of the presence of a substantial number of low density, non rotate-in clusters in the personally interviewed SR sample. As a result of this, proportionately more travel is from cluster to cluster (rather than from dwelling-to-dwelling within clusters), in SR areas than in NSR urban areas, with the corresponding observed effect on the overall travel speed.

With respect to actual interviewing time, the results obtained from the Time and Cost Study again offer few surprises. They are summarized below:

	<u>Interviewing Time</u>			
	<u>Per F05 Household</u>		<u>Per Completed F05</u>	
	<u>Rotate-ins</u>	<u>Non rotate-ins</u>	<u>Rotate-ins</u>	<u>Non rotate-ins</u>
NSR rural	19.8	14.7	8.2	6.2
NSR urban	18.4	14.2	8.5	6.6
SR	18.6	12.2	8.4	6.2

As expected, the average interviewing time for rotate-in households is substantially higher than for non rotate-in households. The observed difference is in fact understated because the interviewing time for non rotate-ins includes the time required to administer supplementary surveys. The rather low per-household figure recorded in non rotate-in SR households, when considered in conjunction with the fairly normal interviewing time per completed F05 for this group, suggests a low average household size. In particular, this category would appear to consist of a substantial number of single-person households. What relation this bears to the atypical nature of this group is, without further information, a matter for speculation.

It is appropriate that attention again focuses on the non rotate-in portion of the interviewed self-representing sample. Many of the findings presented in this report largely confirm intuitive expectations concerning field interviewing. Exceptions are the occasional anomalous results uncovered for self-representing areas, which can generally be traced to the presence in the SR sample of a substantial number of personally interviewed non rotate-in dwellings. This will have particular implications for the planned extension of telephone interviewing to non self-representing areas.

The adverse effect exerted on travel costs by the presence of non rotate-in dwellings in the personally visited SR sample will likely be mimicked in NSR areas when telephone interviewing is implemented in these areas. Indeed the results observed for the SR sample account in part for the well-known finding that the cost savings associated with a switch-over to telephone interviewing are generally less than expected. More generally, the Time and Cost Study has demonstrated the extent to which apparently minor perturbations to the interviewing process can undermine the cost-beneficial effects of optimal assignment planning and sample design.

Special Time and Mileage Study

Page _____ of _____

Survey

Regional Office _____

Date _____

[illegible]

TIME AND KILOMETRAGE PER HOUSEHOLD

	ST. JOHN'S		HALIFAX		MONTREAL		OTTAWA		TORONTO		WINNIPEG		EDMONTON		VANCOUVER		CANADA	
	MIN	KM	MIN	KM	MIN	KM	MIN	KM	MIN	KM	MIN	KM	MIN	KM	MIN	KM	MIN	KM
<u>NSR RURAL AREAS</u>																		
NON-TRAVEL COMPONENT	17.9	.	17.7	.	18.4	.	17.9	.	20.3	.	17.5	.	16.4	.	17.6	.	17.9	.
TRAVEL COMPONENT	16.4	6.5	18.3	8.9	18.3	9.9	18.2	10.7	18.8	10.6	20.5	13.0	20.8	14.0	17.9	9.2	18.7	10.2
TOTAL	34.2	6.5	36.0	8.9	36.7	9.9	36.0	10.7	39.0	10.6	38.1	13.0	37.2	14.0	35.5	9.2	36.5	10.2
HOUSEHOLDS	3086		10091		3654		1745		2971		5076		3315		3901		33339	
<u>NSR URBAN AREAS</u>																		
NON-TRAVEL COMPONENT	18.2	.	17.6	.	17.4	.	17.9	.	19.1	.	17.1	.	17.0	.	17.0	.	17.5	.
TRAVEL COMPONENT	17.5	6.1	16.6	6.8	16.5	7.3	13.2	5.8	18.3	6.4	14.3	5.2	15.2	5.5	17.1	6.0	15.9	6.1
TOTAL	35.7	6.1	34.2	6.8	33.9	7.3	31.1	5.8	37.5	6.4	31.4	5.2	32.2	5.5	34.1	6.0	33.4	6.1
HOUSEHOLDS	1036		4167		2690		484		1177		4252		2799		908		17513	
<u>SP AREAS</u>																		
NON-TRAVEL COMPONENT	17.4	.	18.9	.	22.3	.	19.7	.	21.5	.	17.4	.	16.5	.	19.4	.	19.2	.
TRAVEL COMPONENT	25.4	10.1	24.1	9.2	26.2	9.8	20.2	7.9	26.6	11.9	22.3	8.1	20.2	6.9	26.0	9.6	23.7	9.1
TOTAL	42.8	10.1	43.0	9.2	48.5	9.8	39.9	7.9	48.1	11.9	39.7	8.1	36.7	6.9	45.4	9.6	42.9	9.1
HOUSEHOLDS	694		1404		1422		1059		1335		1311		1653		1002		9080	

NON TRAVEL FIELD TIME & DWELLING VISITS FOR NON SELF-REPRESENTING RURAL AREAS

	ST. JOHN'S		HALIFAX		MONTREAL		OTTAWA		TORONTO		WINNIPEG		EDMONTON		VANCOUVER		CANADA	
	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS
ROTATE INS																		
TOTAL/HOUSEHOLD	22.9	1.7	21.8	1.8	22.5	1.7	24.1	1.8	25.2	2.1	23.2	1.8	21.1	1.8	22.4	2.0	22.6	1.8
F05 TOTAL/F05 HHLD	22.3	1.4	21.3	1.5	21.5	1.4	23.4	1.5	23.1	1.5	22.9	1.5	20.9	1.5	21.9	1.6	22.0	1.5
INTERV. TIME/F05 HHLD	20.6	.	19.2	.	19.6	.	21.1	.	20.5	.	20.6	.	19.0	.	19.2	.	19.8	.
INTERV. TIME/F05	7.2	.	8.2	.	8.3	.	8.9	.	8.8	.	8.8	.	8.4	.	9.2	.	8.4	.
HOUSEHOLDS	582		1652		632		262		547		816		575		645		5711	
F05 HOUSEHOLDS	555		1520		608		248		507		760		523		595		5316	
NON ROTATE INS																		
TOTAL/HOUSEHOLD	16.4	1.6	16.7	1.6	17.4	1.6	16.4	1.7	18.8	1.9	16.3	1.6	15.3	1.5	16.3	1.6	16.7	1.6
F05 TOTAL/F05 HHLD	16.0	1.3	16.3	1.3	17.0	1.3	16.0	1.4	16.8	1.3	16.1	1.3	14.8	1.3	16.1	1.4	16.2	1.3
INTERV. TIME/F05 HHLD	14.7	.	14.7	.	15.7	.	14.3	.	15.1	.	14.7	.	13.6	.	14.0	.	14.6	.
INTERV. TIME/F05	5.4	.	6.3	.	6.4	.	6.4	.	6.4	.	6.4	.	6.2	.	7.0	.	6.3	.
HOUSEHOLDS	2504		8475		3026		1484		2428		4288		2743		3260		28208	
F05 HOUSEHOLDS	2390		8121		2958		1428		2315		4110		2629		3128		27079	
ENTIRE SAMPLE																		
TOTAL/HOUSEHOLD	17.6	1.6	17.5	1.6	18.3	1.6	17.6	1.8	20.0	1.9	17.4	1.6	16.3	1.6	17.3	1.7	17.7	1.6
F05 TOTAL/F05 HHLD	17.2	1.3	17.1	1.4	17.8	1.3	17.1	1.4	17.9	1.4	17.1	1.4	15.8	1.3	17.1	1.5	17.1	1.4
INTERV. TIME/F05 HHLD	15.8	.	15.4	.	16.4	.	15.3	.	16.1	.	15.6	.	14.5	.	14.9	.	15.5	.
INTERV. TIME/F05	5.8	.	6.6	.	6.7	.	6.8	.	6.9	.	6.8	.	6.6	.	7.3	.	6.7	.
HOUSEHOLDS	3086		10127		3658		1746		2975		5104		3318		3905		33919	
F05 HOUSEHOLDS	2945		9641		3566		1676		2822		4870		3152		3723		32395	

NON TRAVEL FIELD TIME & DWELLING VISITS FOR NON SELF-REPRESENTING URBAN AREAS

ST. JOHN'S		HALIFAX		MONTREAL		OTTAWA		TORONTO		WINNIPEG		EDMONTON		VANCOUVER		CANADA	
MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS

ROTATE INS

TOTAL/HOUSEHOLD	21.8	1.6	22.5	1.8	21.6	1.7	22.4	1.7	23.4	1.9	21.2	1.9	20.6	1.9	20.4	2.1	21.6	1.9
F05 TOTAL/F05 HHLD	21.7	1.5	21.8	1.6	21.5	1.6	22.7	1.7	22.9	1.6	21.2	1.7	20.8	1.6	20.8	1.8	21.5	1.6
INTERV. TIME/F05 HHLD	19.7	.	18.8	.	18.8	.	20.3	.	19.0	.	17.3	.	18.1	.	17.5	.	18.3	.
INTERV. TIME/F05	7.3	.	8.8	.	8.0	.	9.3	.	9.3	.	9.0	.	9.1	.	8.7	.	8.7	.
HOUSEHOLDS	162		799		485		69		240		820		512		200		3287	
F05 HOUSEHOLDS	154		735		454		67		219		756		475		162		3022	

NON ROTATE INS

TOTAL/HOUSEHOLD	17.3	1.6	16.3	1.6	16.1	1.5	16.6	1.6	16.6	1.7	16.2	1.6	15.6	1.7	15.2	1.8	16.1	1.6
F05 TOTAL/F05 HHLD	17.2	1.4	16.1	1.4	15.9	1.4	16.5	1.5	16.2	1.5	15.9	1.4	15.3	1.5	14.8	1.6	15.9	1.4
INTERV. TIME/F05 HHLD	15.2	.	14.5	.	14.3	.	14.8	.	13.7	.	13.7	.	13.0	.	12.7	.	13.9	.
INTERV. TIME/F05	5.8	.	6.7	.	6.1	.	7.2	.	6.8	.	7.2	.	6.9	.	6.9	.	6.7	.
HOUSEHOLDS	862		3412		2210		417		940		3474		2293		713		14321	
F05 HOUSEHOLDS	811		3280		2162		409		875		3351		2181		676		13745	

ENTIRE SAMPLE

TOTAL/HOUSEHOLD	18.0	1.6	17.5	1.6	17.0	1.5	17.4	1.6	17.9	1.7	17.1	1.7	16.5	1.7	16.4	1.9	17.2	1.7
F05 TOTAL/F05 HHLD	17.9	1.4	17.2	1.5	16.9	1.4	17.4	1.5	17.5	1.5	16.9	1.5	16.3	1.5	16.0	1.6	16.9	1.5
INTERV. TIME/F05 HHLD	15.9	.	15.3	.	15.1	.	15.6	.	14.7	.	14.4	.	13.9	.	13.6	.	14.7	.
INTERV. TIME/F05	6.1	.	7.1	.	6.5	.	7.6	.	7.3	.	7.5	.	7.3	.	7.3	.	7.1	.
HOUSEHOLDS	1024		4211		2695		486		1180		4294		2805		913		17608	
F05 HOUSEHOLDS	965		4015		2616		476		1094		4107		2656		838		16767	

NON TRAVEL FIELD TIME & DWELLING VISITS FOR SELF-REPRESENTING AREAS

	ST. JOHN'S		HALIFAX		MONTREAL		OTTAWA		TORONTO		WINNIPEG		EDMONTON		VANCOUVER		CANADA	
	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS	MIN	VIS
ROTATE INS																		
TOTAL/HOUSEHOLD	18.9	1.9	21.6	1.8	25.4	1.9	23.2	1.8	23.9	2.1	20.0	2.2	19.3	2.1	22.1	2.3	21.9	2.0
F05 TOTAL/F05 HHLD	19.0	1.7	21.2	1.6	26.2	1.7	23.7	1.7	24.2	1.8	20.3	1.9	19.5	1.9	22.0	2.0	22.2	1.8
INTERV. TIME/F05 HHLD	16.9	.	18.3	.	23.6	.	19.8	.	20.3	.	16.7	.	16.3	.	17.5	.	18.8	.
INTERV. TIME/F05	6.5	.	8.5	.	10.6	.	9.9	.	9.2	.	8.0	.	8.2	.	8.8	.	8.8	.
HOUSEHOLDS	420		707		816		492		864		753		848		539		5439	
F05 HOUSEHOLDS	398		657		730		457		782		678		776		489		4967	
NON ROTATE INS																		
TOTAL/HOUSEHOLD	14.6	2.0	15.1	1.9	17.8	2.0	15.9	1.7	16.0	2.3	13.4	2.3	14.1	2.0	15.8	2.1	15.3	2.0
F05 TOTAL/F05 HHLD	15.6	1.3	14.2	1.4	17.6	1.4	15.6	1.4	15.9	1.6	12.1	1.6	13.3	1.6	14.2	1.5	14.6	1.5
INTERV. TIME/F05 HHLD	14.2	.	12.1	.	15.2	.	13.2	.	13.0	.	9.5	.	10.3	.	11.6	.	12.1	.
INTERV. TIME/F05	5.9	.	6.4	.	7.9	.	6.9	.	7.0	.	5.5	.	6.2	.	6.2	.	6.5	.
HOUSEHOLDS	286		653		615		586		490		567		821		463		4481	
F05 HOUSEHOLDS	227		553		479		542		369		466		756		417		3809	
ENTIRE SAMPLE																		
TOTAL/HOUSEHOLD	17.2	2.0	18.5	1.9	22.1	2.0	19.2	1.8	21.1	2.2	17.2	2.2	16.7	2.1	19.2	2.2	18.9	2.0
F05 TOTAL/F05 HHLD	17.8	1.6	18.0	1.5	22.8	1.6	19.3	1.6	21.5	1.7	17.0	1.8	16.5	1.7	18.4	1.7	18.9	1.7
INTERV. TIME/F05 HHLD	15.9	.	15.5	.	20.3	.	16.2	.	18.0	.	13.7	.	13.4	.	14.8	.	15.9	.
INTERV. TIME/F05	6.3	.	7.6	.	9.6	.	8.3	.	8.6	.	7.1	.	7.3	.	7.6	.	7.9	.
HOUSEHOLDS	706		1360		1431		1078		1354		1320		1669		1002		9920	
F05 HOUSEHOLDS	625		1210		1209		999		1151		1144		1532		906		8776	

PERCENT SUCCESSFUL VISITS BY TIME OF DAY / NON SELF-REPRESENTING RURAL AREAS

	ST. JOHN'S		HALIFAX		MONTREAL		OTTAWA		TORONTO		WINNIPEG		EDMONTON		VANCOUVER		CANADA	
	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT
<u>POTATE-INS</u>																		
BEFORE 10:00	39	61.5	189	57.7	81	77.8	42	78.6	49	67.3	143	74.1	72	65.3	62	61.3	677	66.9
10:01 - 12:00	235	72.3	693	64.4	242	71.1	138	65.9	239	75.3	399	63.9	215	65.6	331	57.4	2492	65.0
12:01 - 14:00	169	73.6	535	63.9	198	67.7	53	67.9	207	67.1	248	66.5	174	69.0	228	55.3	1811	65.5
14:01 - 16:00	274	69.3	734	67.6	284	70.4	104	65.4	295	66.1	327	64.8	215	64.7	265	57.0	2498	66.1
16:01 - 18:00	130	70.0	341	67.2	158	64.6	73	74.0	178	73.6	167	68.9	154	65.6	197	57.4	1393	67.0
18:01 - 20:00	111	64.0	372	64.8	103	72.8	56	75.0	124	68.5	147	63.3	140	66.4	139	61.2	1192	65.9
AFTER 20:00	39	59.0	112	59.8	36	75.0	14	64.3	58	69.0	42	66.7	74	71.6	37	51.4	412	64.6
O V E R A L L	996	69.6	2976	64.9	1102	70.1	480	69.4	1150	69.8	1473	66.1	1044	66.5	1259	57.3	10480	66.0
<u>NON POTATE-INS</u>																		
BEFORE 10:00	116	74.1	921	72.2	431	85.6	219	67.6	392	82.7	602	80.2	262	79.8	355	68.7	3298	76.7
10:01 - 12:00	926	77.3	3021	74.8	1163	81.2	670	72.2	1122	82.1	1722	77.8	855	76.6	1390	72.2	10929	76.6
12:01 - 14:00	789	78.8	2356	76.6	776	80.0	376	75.3	739	77.4	1151	76.3	702	80.5	683	70.2	7772	76.8
14:01 - 16:00	1077	75.7	3162	74.5	1101	75.4	574	72.3	1076	79.2	1554	74.6	920	77.1	1159	70.5	10623	74.9
16:01 - 18:00	424	74.2	1632	76.8	612	79.7	313	70.3	571	80.6	826	73.7	655	79.4	793	72.4	5886	76.2
18:01 - 20:00	349	71.9	1553	75.1	453	71.3	308	68.8	467	77.7	604	70.5	553	81.9	552	75.4	4044	74.6
AFTER 20:00	192	60.9	503	75.0	164	69.5	129	62.0	208	74.0	291	66.0	285	82.1	146	76.0	1918	71.9
O V E R A L L	3993	75.4	13148	75.2	4700	78.5	2589	71.1	4575	79.7	6750	75.3	4237	79.0	5278	71.7	45270	75.7

PERCENT SUCCESSFUL VISITS BY TIME OF DAY / NON SELF-REPRESENTING URBAN AREAS

	ST. JOHN'S		HALIFAX		MONTREAL		OTTAWA		TORONTO		WINNIPEG		EDMONTON		VANCOUVER		CANADA	
	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT
<u>ROTATE-INS</u>																		
BEFORE 10:00	11	54.5	69	56.5	72	69.4	9	44.4	25	60.0	117	52.1	81	50.6	11	45.5	395	55.9
10:01 - 12:00	82	67.1	329	58.1	202	55.0	23	65.2	82	51.2	388	54.4	205	47.3	99	45.5	1410	54.4
12:01 - 14:00	59	71.2	264	58.0	128	64.1	19	68.4	89	49.4	252	54.8	113	54.0	68	47.1	992	57.0
14:01 - 16:00	64	71.9	363	59.2	212	60.8	42	52.4	87	57.5	344	51.7	171	52.0	87	55.2	1370	56.7
16:01 - 18:00	33	78.8	192	66.1	99	66.7	13	69.2	74	64.9	232	59.9	126	71.4	54	55.6	823	65.0
18:01 - 20:00	24	62.5	171	60.2	104	65.4	12	75.0	78	56.4	180	57.2	176	58.0	71	59.2	816	59.6
AFTER 20:00	8	75.0	80	53.8	21	71.4	2	50.0	24	54.2	74	45.9	93	58.1	22	54.5	324	54.9
O V E R A L L	281	69.8	1468	59.3	838	62.2	120	60.8	459	55.8	1587	54.4	965	55.3	412	51.9	6130	57.6
<u>NON ROTATE-INS</u>																		
BEFORE 10:00	45	66.7	364	67.6	237	69.2	44	61.4	104	61.5	445	68.8	302	70.9	36	63.9	1577	68.1
10:01 - 12:00	310	70.0	1098	72.4	735	72.9	154	63.6	393	63.4	1345	69.1	734	67.7	322	64.3	5101	69.3
12:01 - 14:00	207	72.5	891	69.9	503	70.4	99	69.7	263	65.8	777	70.3	500	59.6	210	61.0	3450	67.9
14:01 - 16:00	392	73.7	1223	69.5	756	71.7	199	62.3	319	63.9	1181	64.4	617	62.6	256	63.7	4943	67.1
16:01 - 18:00	173	63.2	650	70.2	483	67.5	74	73.0	229	70.7	810	70.6	586	71.7	182	62.1	3187	70.5
18:01 - 20:00	166	74.7	837	70.4	478	76.2	75	73.3	193	67.4	655	67.9	668	69.6	217	65.4	3239	70.4
AFTER 20:00	73	64.4	393	63.2	133	72.9	33	48.5	87	64.4	338	66.9	406	58.1	59	54.2	1512	63.0
O V E R A L L	1386	73.2	5436	69.8	3325	71.7	678	65.3	1588	65.4	5551	68.2	3813	66.0	1282	63.0	23059	68.4

PERCENT SUCCESSFUL VISITS BY TIME OF DAY / SELF-REPRESENTING AREAS

	ST. JOHN'S		HALIFAX		MONTREAL		OTTAWA		TORONTO		WINNIPEG		EDMONTON		VANCOUVER		CANADA	
	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT
<u>POTATE-IMS</u>																		
BEFORE 10:00	11	36.4	54	51.9	83	59.0	31	32.3	79	44.3	86	54.7	83	56.6	36	47.2	463	51.2
10:01 - 12:00	181	52.5	244	58.2	283	47.3	175	50.3	377	44.0	393	46.8	279	43.0	284	42.3	2216	47.3
12:01 - 14:00	144	55.3	222	51.4	195	53.8	158	55.1	216	43.5	204	44.1	247	39.7	132	43.9	1518	47.9
14:01 - 16:00	179	49.7	258	57.8	321	53.0	207	55.6	329	45.3	254	36.7	303	43.5	295	42.4	2161	47.4
16:01 - 18:00	43	44.2	114	59.6	184	49.5	94	51.1	155	49.7	119	45.4	245	52.7	121	43.8	1075	50.7
18:01 - 20:00	181	61.9	284	63.7	339	60.5	175	67.4	485	59.8	376	53.5	466	57.1	247	54.3	2553	59.0
AFTER 20:00	75	57.3	125	60.8	142	50.0	65	63.1	154	48.1	171	51.5	189	50.8	111	45.9	1032	52.3
O V E R A L L	814	54.4	1301	58.3	1547	53.3	905	56.0	1795	49.3	1643	47.0	1817	49.0	1226	46.0	11048	51.1
<u>NON POTATE-IMS</u>																		
BEFORE 10:00	10	60.0	62	77.4	78	57.7	52	78.8	108	54.6	109	55.0	108	66.7	57	50.9	584	61.6
10:01 - 12:00	113	75.2	240	66.3	251	61.4	199	69.3	241	62.2	261	65.1	258	67.1	219	62.1	1782	65.4
12:01 - 14:00	118	73.8	222	68.9	156	77.6	144	79.2	118	60.2	200	62.0	175	53.7	137	63.5	1270	67.5
14:01 - 16:00	107	70.1	273	71.8	267	65.5	184	66.8	123	56.1	211	57.8	266	63.9	143	59.4	1574	64.5
16:01 - 18:00	56	66.1	106	70.8	146	61.0	151	58.9	155	46.5	112	47.3	217	68.2	118	75.4	1061	61.5
18:01 - 20:00	118	61.0	231	70.1	215	60.9	169	66.3	295	51.2	260	51.9	452	60.2	163	59.5	1803	59.5
AFTER 20:00	61	72.1	96	64.6	132	44.7	92	65.2	104	47.1	155	43.2	135	54.1	108	60.5	803	55.3
O V E R A L L	533	70.7	1230	69.5	1245	62.2	991	68.3	1144	54.3	1308	55.9	1611	62.2	950	63.2	9042	62.6

DWELLING VISITS / CANADA

	NSRU RURAL				NSRU URBAN				SRU		
	TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER
<u>NUMBER OF DWELLINGS</u>											
ALL DWELLINGS	41725	7115	34610		19472	3609	15863		11698	5917	5881
RESPONDENTS	32395	5316	27079		16767	3022	13745		8776	4967	3809
VACANTS	7806	1404	6402		1864	322	1542		1778	378	1400
NON-RESPONDENTS	1524	395	1129		841	265	576		1144	472	672
<u>VISITS PER DWELLING</u>											
ALL DWELLINGS	1.3	1.5	1.3		1.5	1.7	1.5		1.7	1.9	1.5
RESPONDENTS	1.4	1.5	1.3		1.5	1.6	1.4		1.7	1.8	1.5
VACANTS	1.1	1.2	1.1		1.3	1.5	1.2		1.5	1.6	1.4
NON-RESPONDENTS	2.0	2.5	1.9		2.2	2.6	2.1		2.6	3.3	2.1
<u>% OF DWELLINGS VISITED</u>											
<u>ONCE</u>											
ALL DWELLINGS	77	71	79		70	61	72		61	52	70
RESPONDENTS	75	69	76		69	62	71		61	53	70
VACANTS	95	90	96		84	73	86		74	66	76
NON-RESPONDENTS	49	30	55		47	36	51		43	22	57
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST TWICE</u>											
ALL DWELLINGS	93	89	93		89	83	90		83	79	88
RESPONDENTS	92	90	93		89	86	90		85	82	89
VACANTS	98	96	99		93	87	95		91	86	92
NON-RESPONDENTS	71	55	76		66	55	71		60	42	72
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST 3 TIMES</u>											
ALL DWELLINGS	98	96	98		95	93	96		92	90	94
RESPONDENTS	98	96	98		96	94	96		94	92	95
VACANTS	99	98	100		97	94	97		95	92	96
NON-RESPONDENTS	86	77	89		82	75	85		73	61	82

DWELLING VISITS / ST. JOHN'S

	NSRU RURAL				NSRU URBAN				SRU		
	TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER
<u>NUMBER OF DWELLINGS</u>											
ALL DWELLINGS	3758	706	3052		1180	186	994		878	451	427
RESPONDENTS	2945	555	2390		965	154	811		625	398	227
VACANTS	672	124	548		156	24	132		172	31	141
NON-RESPONDENTS	141	27	114		59	8	51		81	22	59
<u>VISITS PER DWELLING</u>											
ALL DWELLINGS	1.3	1.4	1.3		1.4	1.4	1.4		1.6	1.8	1.4
RESPONDENTS	1.3	1.4	1.3		1.4	1.5	1.4		1.6	1.7	1.3
VACANTS	1.1	1.2	1.1		1.2	1.2	1.1		1.3	1.7	1.2
NON-RESPONDENTS	2.2	2.6	2.1		1.8	1.3	1.8		2.3	3.1	2.0
<u>% OF DWELLINGS VISITED</u>											
<u>ONCE</u>											
ALL DWELLINGS	79	75	80		75	72	76		67	55	80
RESPONDENTS	78	74	79		74	69	75		65	56	81
VACANTS	93	91	93		88	88	89		80	65	84
NON-RESPONDENTS	41	19	46		59	75	57		53	18	66
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST TWICE</u>											
ALL DWELLINGS	93	92	93		92	91	92		86	80	92
RESPONDENTS	93	92	93		92	91	92		86	82	93
VACANTS	97	95	98		97	92	98		94	84	96
NON-RESPONDENTS	67	59	69		76	100	73		69	41	80
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST 3 TIMES</u>											
ALL DWELLINGS	97	96	97		97	96	97		94	91	96
RESPONDENTS	97	97	98		97	95	98		94	92	97
VACANTS	99	97	100		99	100	99		98	90	99
NON-RESPONDENTS	82	78	83		92	100	90		79	64	85

DWELLING VISITS / HALIFAX

	NSRU RURAL				NSRU URBAN				SRU		
	TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER
<u>NUMBER OF DWELLINGS</u>											
ALL DWELLINGS	12019	2008	10011		4721	899	3822		1654	779	875
RESPONDENTS	9641	1520	8121		4015	735	3280		1210	657	553
VACANTS	1892	356	1536		510	100	410		294	72	222
NON-RESPONDENTS	486	132	354		196	64	132		150	50	100
<u>VISITS PER DWELLING</u>											
ALL DWELLINGS	1.3	1.5	1.3		1.5	1.6	1.4		1.5	1.7	1.4
RESPONDENTS	1.4	1.5	1.3		1.5	1.6	1.4		1.5	1.6	1.4
VACANTS	1.1	1.2	1.1		1.1	1.3	1.1		1.3	1.4	1.3
NON-RESPONDENTS	2.1	2.5	1.9		2.2	2.4	2.1		2.2	2.9	1.9
<u>% OF DWELLINGS VISITED</u>											
<u>ONCE</u>											
ALL DWELLINGS	77	70	78		71	62	73		68	58	76
RESPONDENTS	75	69	76		70	62	71		66	59	75
VACANTS	95	90	96		91	77	94		81	71	85
NON-RESPONDENTS	47	33	52		47	41	51		56	32	68
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST TWICE</u>											
ALL DWELLINGS	93	89	93		90	85	91		87	84	90
RESPONDENTS	93	90	93		90	86	90		88	86	90
VACANTS	98	96	99		98	94	99		93	92	94
NON-RESPONDENTS	70	56	75		68	59	73		69	52	77
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST 3 TIMES</u>											
ALL DWELLINGS	97	95	98		96	94	96		95	94	96
RESPONDENTS	98	96	98		96	95	96		96	96	97
VACANTS	99	98	99		99	97	99		97	96	97
NON-RESPONDENTS	86	77	89		85	83	86		79	66	85

DWELLING VISITS / MONTREAL

	NSRU RURAL				NSRU URBAN				SRU		
	TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER
<u>NUMBER OF DWELLINGS</u>											
ALL DWELLINGS	4491	780	3711		2914	525	2389		1676	861	815
RESPONDENTS	3566	608	2958		2616	454	2162		1209	730	479
VACANTS	833	148	685		219	40	179		245	45	200
NON-RESPONDENTS	92	24	68		79	31	48		222	86	136
<u>VISITS PER DWELLING</u>											
ALL DWELLINGS	1.3	1.4	1.3		1.4	1.6	1.4		1.7	1.8	1.5
RESPONDENTS	1.3	1.4	1.3		1.4	1.6	1.4		1.6	1.7	1.4
VACANTS	1.0	1.1	1.0		1.2	1.5	1.1		1.4	1.2	1.4
NON-RESPONDENTS	2.2	3.0	2.0		2.2	2.1	2.2		2.5	3.1	2.1
<u>% OF DWELLINGS VISITED</u>											
<u>ONCE</u>											
ALL DWELLINGS	80	73	82		73	64	75		63	56	69
RESPONDENTS	77	70	79		73	65	74		64	60	71
VACANTS	97	93	98		90	75	94		78	87	77
NON-RESPONDENTS	42	17	51		47	42	50		38	14	53
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST TWICE</u>											
ALL DWELLINGS	94	92	94		90	86	91		84	80	88
RESPONDENTS	93	92	94		90	86	91		87	84	92
VACANTS	99	97	99		96	90	97		93	93	93
NON-RESPONDENTS	67	54	72		70	74	67		57	38	68
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST 3 TIMES</u>											
ALL DWELLINGS	98	96	98		97	94	97		92	90	93
RESPONDENTS	98	97	98		97	94	97		94	92	96
VACANTS	100	98	100		99	95	100		97	98	97
NON-RESPONDENTS	82	71	85		82	84	81		74	66	79

DWELLING VISITS / OTTAWA

	NSRU RURAL				NSRU URBAN				SRU		
	TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER
<u>NUMBER OF DWELLINGS</u>											
ALL DWELLINGS	2204	341	1863		518	73	445		1208	517	691
RESPONDENTS	1676	248	1428		476	67	409		999	457	542
VACANTS	458	79	379		32	4	28		130	25	105
NON-RESPONDENTS	70	14	56		10	2	8		79	35	44
<u>VISITS PER DWELLING</u>											
ALL DWELLINGS	1.4	1.4	1.4		1.5	1.6	1.5		1.6	1.8	1.4
RESPONDENTS	1.4	1.5	1.4		1.5	1.7	1.5		1.6	1.7	1.4
VACANTS	1.0	1.1	1.0		1.2	1.0	1.3		1.2	1.5	1.2
NON-RESPONDENTS	2.4	2.0	2.5		2.5	2.0	2.6		2.2	2.5	2.0
<u>% OF DWELLINGS VISITED</u>											
<u>ONCE</u>											
ALL DWELLINGS	74	72	74		65	58	67		66	55	75
RESPONDENTS	69	67	69		64	55	66		64	56	72
VACANTS	97	95	97		94	100	93		87	72	90
NON-RESPONDENTS	40	43	39		20	50	13		56	40	68
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST TWICE</u>											
ALL DWELLINGS	91	91	91		89	85	89		87	83	90
RESPONDENTS	90	90	90		89	85	90		87	85	90
VACANTS	99	97	99		94	100	93		95	88	97
NON-RESPONDENTS	54	64	52		60	50	63		68	57	77
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST 3 TIMES</u>											
ALL DWELLINGS	97	98	97		96	96	96		94	92	96
RESPONDENTS	97	98	97		96	96	96		95	94	96
VACANTS	100	99	100		97	100	96		98	96	98
NON-RESPONDENTS	81	93	79		80	100	75		80	71	86

DWELLING VISITS / WINNIPEG

	NSRU RURAL				NSRU URBAN				SRU		
	TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER
<u>NUMBER OF DWELLINGS</u>											
ALL DWELLINGS	6138	1001	5137		4696	891	3805		1565	800	765
RESPONDENTS	4870	760	4110		4107	756	3351		1144	678	466
VACANTS	1034	185	849		402	71	331		245	47	198
NON-RESPONDENTS	234	56	178		187	64	123		176	75	101
<u>VISITS PER DWELLING</u>											
ALL DWELLINGS	1.3	1.5	1.3		1.5	1.8	1.5		1.9	2.1	1.7
RESPONDENTS	1.4	1.5	1.3		1.5	1.7	1.4		1.8	1.9	1.6
VACANTS	1.1	1.2	1.1		1.4	1.5	1.3		1.6	1.6	1.5
NON-RESPONDENTS	2.1	2.6	1.9		2.5	3.4	2.1		2.9	3.4	2.6
<u>% OF DWELLINGS VISITED</u>											
<u>ONCE</u>											
ALL DWELLINGS	77	70	79		69	60	72		56	48	63
RESPONDENTS	75	69	76		70	62	72		55	49	64
VACANTS	93	85	95		79	75	80		65	70	64
NON-RESPONDENTS	46	29	52		40	19	50		45	29	56
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST TWICE</u>											
ALL DWELLINGS	93	89	94		88	80	90		80	74	86
RESPONDENTS	93	89	93		89	84	90		81	77	88
VACANTS	98	96	99		91	85	92		91	83	92
NON-RESPONDENTS	71	55	75		60	36	72		58	43	69
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST 3 TIMES</u>											
ALL DWELLINGS	98	95	98		95	90	96		89	86	93
RESPONDENTS	98	96	98		96	93	96		91	89	95
VACANTS	99	98	100		95	93	95		96	94	96
NON-RESPONDENTS	85	75	88		74	56	84		67	55	76

DWELLING VISITS / EDMONTON

	NSRU RURAL				NSRU URBAN				SRU		
	TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER
<u>NUMBER OF DWELLINGS</u>											
ALL DWELLINGS	4088	717	3371		3082	550	2532		1938	911	1027
RESPONDENTS	3152	523	2629		2656	475	2181		1532	776	756
VACANTS	770	142	628		277	38	239		269	63	206
NON-RESPONDENTS	166	52	114		149	37	112		137	72	65
<u>VISITS PER DWELLING</u>											
ALL DWELLINGS	1.3	1.5	1.3		1.6	1.8	1.5		1.8	2.0	1.6
RESPONDENTS	1.3	1.5	1.3		1.5	1.6	1.5		1.7	1.9	1.6
VACANTS	1.1	1.2	1.1		1.5	2.2	1.4		1.5	1.8	1.5
NON-RESPONDENTS	1.6	2.0	1.4		2.2	2.8	2.0		2.8	3.5	2.0
<u>% OF DWELLINGS VISITED</u>											
<u>ONCE</u>											
ALL DWELLINGS	80	72	81		68	60	70		58	48	67
RESPONDENTS	77	72	78		68	63	70		57	50	65
VACANTS	93	85	95		73	53	77		73	60	77
NON-RESPONDENTS	62	42	71		48	30	54		36	21	54
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST TWICE</u>											
ALL DWELLINGS	94	88	95		87	83	88		83	78	87
RESPONDENTS	93	88	94		88	86	88		84	81	88
VACANTS	99	96	100		88	76	90		86	81	88
NON-RESPONDENTS	84	69	90		68	49	74		58	39	78
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST 3 TIMES</u>											
ALL DWELLINGS	98	96	99		95	91	96		91	88	94
RESPONDENTS	98	96	98		95	93	96		93	91	95
VACANTS	100	100	100		94	87	95		93	89	95
NON-RESPONDENTS	95	87	98		85	76	88		72	58	86

DWELLING VISITS / VANCOUVER

	NSRU RURAL				NSRU URBAN				SRU		
	TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER		TOTAL	ROTATE-INS	OTHER
<u>NUMBER OF DWELLINGS</u>											
ALL DWELLINGS	4535	741	3794		1037	222	815		1184	575	609
RESPONDENTS	3723	595	3128		838	162	676		906	489	417
VACANTS	630	96	534		124	22	102		182	36	146
NON-RESPONDENTS	182	50	132		75	38	37		96	50	46
<u>VISITS PER DWELLING</u>											
ALL DWELLINGS	1.4	1.7	1.4		1.6	1.9	1.6		1.8	2.1	1.6
RESPONDENTS	1.5	1.6	1.4		1.6	1.8	1.6		1.7	2.0	1.5
VACANTS	1.2	1.4	1.1		1.6	1.9	1.5		1.6	1.9	1.6
NON-RESPONDENTS	2.0	3.1	1.6		2.0	1.9	2.1		3.1	4.0	2.0
<u>% OF DWELLINGS VISITED</u>											
<u>ONCE</u>											
ALL DWELLINGS	72	61	74		65	55	67		59	48	70
RESPONDENTS	69	61	71		64	54	67		61	50	73
VACANTS	91	77	94		73	59	76		66	61	68
NON-RESPONDENTS	58	26	70		53	58	49		34	16	54
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST TWICE</u>											
ALL DWELLINGS	90	83	91		85	80	87		81	75	87
RESPONDENTS	89	86	90		86	83	87		83	79	88
VACANTS	96	90	98		86	73	89		85	78	86
NON-RESPONDENTS	71	44	81		72	71	73		58	40	78
<u>% OF DWELLINGS VISITED</u>											
<u>AT MOST 3 TIMES</u>											
ALL DWELLINGS	96	93	97		93	89	94		89	86	93
RESPONDENTS	97	95	97		93	90	94		91	89	94
VACANTS	98	96	99		93	91	93		91	86	92
NON-RESPONDENTS	82	58	91		87	87	86		68	52	85

AVERAGE HOME-TO-AREA DISTANCE, TIME, & SPEED

	NON SELF-REPRESENTING RURAL AREAS			NON SELF-REPRESENTING URBAN AREAS			SELF-REPRESENTING AREAS		
	DISTANCE	TIME	SPEED	DISTANCE	TIME	SPEED	DISTANCE	TIME	SPEED
ST. JOHN'S	16.7	27.2	36.9	9.7	23.0	25.2	8.6	18.0	28.8
HALIFAX	15.2	26.7	34.2	12.0	20.7	34.7	10.0	21.2	28.2
MONTREAL	21.0	29.2	43.2	16.1	25.7	37.6	10.4	20.5	30.4
OTTAWA	17.3	23.8	43.8	14.5	18.3	47.5	7.4	16.6	26.6
TORONTO	16.4	21.6	45.7	10.4	17.8	35.1	9.6	20.2	28.3
WINNIPEG	16.3	22.6	43.2	9.2	17.8	31.0	6.2	13.3	27.8
EDMONTON	28.1	33.6	50.3	12.6	24.1	31.5	6.6	15.2	26.1
VANCOUVER	15.2	22.1	41.2	8.2	17.9	27.5	7.1	16.7	25.7
CANADA	17.6	25.7	41.1	11.4	20.7	33.1	8.2	17.7	27.9

DISTANCE IN KILOMETERS

TIME IN MINUTES

SPEED IN KILOMETERS PER HOUR

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