

TRANSPORTATION TOMORROW SURVEY
1996

VERSION 2.1
DATA GUIDE

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Prepared for the
Toronto Area Transportation Planning
Data Collection Steering Committee

by the

Data Management Group
Joint Program in Transportation
University of Toronto

August 1997

Participating Agencies:

Ministry of Transportation, Ontario • GO Transit • Municipality of Metropolitan Toronto
Toronto Transit Commission • Regional Municipality of Durham
Regional Municipality of Halton • Regional Municipality of Hamilton-Wentworth
Regional Municipality of Waterloo • Regional Municipality of Niagara
Regional Municipality of Peel • Regional Municipality of York • Town of Orangeville
Peterborough County • Simcoe County • Victoria County • Wellington County
City of Barrie • City of Guelph • City of Peterborough

TABLE OF CONTENTS

<i>Foreword</i>	1
<i>Differences Between the 1986, 1991 and 1996 Data</i>	2
<i>Data Expansion</i>	3
<i>TTS Traffic Zones</i>	7
Greater Toronto Area	7
Regions External To The Greater Toronto Area	7
<i>Planning Districts</i>	15
<i>1991 GTA Zones</i>	18
<i>Databases for 1996 TTS Version 2.1, 1991 TTS Version 4.1 and 1986 TTS</i>	
<i>Version 3.1</i>	
Household Attributes.....	21
Person Attributes.....	23
Trip Attributes.....	27
Transit Attributes	30
Transit Operator Codes	32
Transit Route Codes.....	34
<i>Control Totals For 1996 TTS Version 2.1, 1991 TTS Version 4.1 and 1986 TTS</i>	
<i>Version 3.1</i>	
<i>Household Tabulations</i>	45
Person Tabulations	53
Trip Tabulations.....	67
Transit Tabulations	84
1996 Expanded Municipal Transit Totals	96

TABLE OF EXHIBITS

Exhibit 1: TTS Databases Number of Records	1
Exhibit 2: Interview Language 1986, 1996	3
Exhibit 3: Validation of 1996 TTS Expansion Factors (Version 2.1)	4
 <i>TTS Traffic Zones</i>	
Exhibit 4: TTS Traffic Zone Numbering - Greater Toronto Area	10
Exhibit 5: TTS Traffic Zone Numbering - Niagara Region, Waterloo Region and the Town of Orangeville	11
Exhibit 6: TTS Traffic Zone Numbering - Victoria County	12
Exhibit 7: TTS Traffic Zone Numbering - Counties of Wellington and Peterborough	13
Exhibit 8: TTS Traffic Zone Numbering - Simcoe County and the City of Barrie	14
 <i>Planning Districts</i>	
Exhibit 9: 1996 TTS Survey Area Planning Districts (Metro)	15
Exhibit 10: 1996 TTS Survey Area Planning Districts (Eastern Half)	16
Exhibit 11: 1996 TTS Survey Area Planning Districts (Western Half)	17
 <i>1991 GTA Zones</i>	
Exhibit 12: Non-GTA Survey Areas GTA Zone Numbering	18
Exhibit 13: Survey Areas With Non-Sequential GTA Zones	18
Exhibit 14: External to Survey Area GTA Zones	20
 <i>Database Attributes</i>	
Exhibit 15: Household Attributes	21
Exhibit 16: Person Attributes	23
Exhibit 17: Trip Attributes	27
Exhibit 18: Transit Attributes	30
Exhibit 19: Transit Operator Codes	32
Exhibit 20: Transit Route Codes	34
 <i>Control Totals</i>	
Exhibit 21: Household Tabulations	45
Exhibit 22: Person Tabulations	53
Exhibit 23: Trip Tabulations	67
Exhibit 24: Transit Tabulations	84
Exhibit 25: 1996 Expanded Municipal Transit Totals	96

Foreword

This manual is designed to give potential users of the 1986, 1991 and 1996 Transportation Tomorrow Survey (TTS) data an understanding of the contents of the databases maintained at the Data Management Group. Users wishing to obtain information from the databases should contact the Data Management Group or one of the following agencies:

Ministry of Transportation, Ontario
GO Transit
Municipality of Metropolitan Toronto
Toronto Transit Commission
Regional Municipality of Durham
Regional Municipality of Halton
Regional Municipality of Hamilton-Wentworth
Regional Municipality of Waterloo
Regional Municipality of Niagara
Regional Municipality of Peel
Regional Municipality of York
Town of Orangeville
Peterborough County
Simcoe County
Victoria County
Wellington County
City of Barrie
City of Guelph
City of Peterborough

Users should be aware of the differences in both the content and the areas covered by the survey in each of the three years. This guide is a compilation of information from the original dataguides for the 1986 (Version 3.1) and 1991 (Version 4.1) databases with comparable information for the 1996 survey (Version 2.1).

The TTS databases contain the following number of survey records:

Exhibit 1: TTS Databases Number of Records

	1986 (Version 3.1)	1991 (Version 4.1)	1996 (Version 2.1)
Household	61,453	24,507	115,193
Person	171,086	72,496	312,781
Non Transit Trips	313,633	142,453	587,676
Transit Trips	56,615	14,896	70,295

Differences Between the 1986, 1991 and 1996 Data

Users of TTS data should be aware of the following differences when making comparisons between the 1986, 1991 and 1996 Transportation Tomorrow Surveys:

1. Survey Area

The 1986 survey covered the Greater Toronto Area (GTA) defined as the Municipality of Metropolitan Toronto plus the Regional Municipalities of Durham, York, Peel, Halton and Hamilton-Wentworth.

In 1991 the survey area was expanded to cover the municipalities adjacent to the GTA boundary, referred to as the 'fringe area'.

Extending well beyond the boundaries of either of the earlier surveys, the 1996 survey includes all of the GTA plus Peterborough County (partial coverage), City of Peterborough, Victoria County, Town of Orangeville, Simcoe County, City of Barrie, Wellington County (partial coverage), City of Guelph, Waterloo Region and Niagara Region. A small portion of Dufferin County adjacent to the town of Orangeville is also included. Northumberland County is partially represented by interviews conducted during the training of interviewers (week 0).

2. Minimum Age

In 1986 the minimum age of persons for which trip data was collected was 6. In 1991 and 1996 the minimum age was 11. Trip data for persons aged 6 through 10 should be excluded from the 1986 survey before making comparisons with 1991 and/or 1996.

3. Bicycle Trips

In 1986 information on bicycle trips was only collected for trips to or from school or work. In 1991 and 1996 information was collected for all bicycle trips.

4. Trip Start Times

In 1986, trip start times were not recorded for some school trips made by persons under the age of 14. In 1991 and 1996 trip start time was recorded for all trips. This difference must be allowed for in making comparisons of trip start time distributions, particularly for walk, cycle, schoolbus and, to a lesser extent, transit trips.

5. Trip Purpose

In 1986, shopping, entertainment and personal business trips were recorded as three separate trip purposes. In 1991, these trip purposes were included under the 'other' category. In 1996, shopping was again distinguished as a separate trip purpose.

In 1991 and 1996, daycare was recorded as a separate trip purpose. In 1986, trips to daycare would most likely have been included in the facilitate passenger category.

6. Usual Place of Work, Availability of Free Parking at Work, School Location

Usual place of work, availability of free parking at work and school location were collected in 1991 and 1996 but not in 1986.

7. Employment and Student Status

In 1986 student and employment status information were collected regardless of age but were recorded as a single attribute (i.e. either employed or a student, but not both). In 1991 and 1996 employment and student status were recorded as two separate attributes to allow for all combinations of full and part time status (except full time employed at the same time as full time student, which was not allowed). In 1991 and 1996 employment and student status information were not collected for persons under the age of 11. Here persons aged 6 - 10 are assumed to be full time students.

8. Dwelling Unit Type

Townhouse was added as a dwelling unit type in 1996.

9. Transit Pass, Occupation, No Work Trip

Possession of a transit pass, occupation description and confirmation if a full-time employed person did not make a work trip on the trip day were collected in 1996 but not in 1991 or 1986.

10. Tarm Zones

Geographic data were assigned to the 1979 TARMS zone system in 1986 and 1991 but not currently for 1996. Data for all three years have been assigned to the 1991 GTA zone system.

11. Sample Selection

The 1986 and 1996 surveys are based on a random selection of households throughout the survey area, 4.2% in 1986 and 5.0% in 1996. The 1991 survey used different sampling rates for high and low growth areas. The target was 5% in the high growth areas and 0.5% in the low growth areas. There is significantly more variance due to random sampling in the 1991 data than for 1986 and 1996, particularly in those areas sampled predominantly at the 0.5% rate such as Metro Toronto.

12. Interview Language

The language in which interviews were conducted was recorded but is not included in the final database since it is not considered to be a meaningful piece of information with respect to either household demographics or travel behavior. The following table provides a summary of the number of non-English interviews conducted in both the 1986 and 1996 surveys. There were virtually no non-English interviews conducted in 1991 due to software related problems.

Exhibit 2: Interview Language 1986, 1996

	1986		1996	
	<u>Interviews</u>	<u>%</u>	<u>Interviews</u>	<u>%</u>
Cantonese	107	0.2	1,418	1.2
English	60791	98.9	112,808	97.9
French	60	0.1	25	0.0
Italian	243	0.4	549	0.5
Portuguese	107	0.2	340	0.3
Other	145	0.2	53	0.1

Data Expansion

The data for each of the surveys has been expanded to represent the total population of the survey area in the year of the survey. Expansion factors have been calculated based on geographic areas, called expansion zones. The number of dwelling units in each expansion zone was obtained from the Canada Census and used as the control total for calculating the expansion factor. The same expansion factor is applied to all the households in an expansion zone and to all of the household, person and trip data associated with each household.

Details of the expansion process and the expansion factors used in the 1986 and 1991 surveys are contained in the individual dataguides for those years. Details of the 1996 data expansion are contained in the 1996 TTS Working Paper #5 - Data Expansion. The following table provides a summary by planning district and compares the expanded totals from the survey, both for dwelling units and for population, with data from the 1996 census. In areas where there is an exact match between municipal boundaries and census tract boundaries used to define the expansion zones, there should be an exact match between the expanded number of households and the number of dwelling units recorded in the census. Minor differences are the result of differences in the boundaries. Major differences occur only where it was necessary to form expansion zones that crossed municipal boundaries in order to have a sufficient number of households to be statistically reliable.

Differences in population result from a difference in household size being recorded in the survey relative to that obtained in the census. In addition the census population data included the inhabitants of collective residences, such as hospitals, nursing homes, prisons and reformatories, although they are not included in either the survey or the census dwelling unit count. The survey was carried out in the fall whereas the census data was collected in June. The difference in timing could result in some differences in population particularly in areas with a significant post secondary school population. The reported difference in total population between the 1996 survey and the census at 2.7% compares with the differences of 2.8% and 2.4% in the 1986 and 1991 surveys respectively.

The survey data for the Regional Municipality of Waterloo was collected in the fall of 1995 but has been expanded using the 1996 census data in the same manner as the rest of the survey area where data was collected in the fall of 1996.

Exhibit 3: Validation of 1996 TTS Expansion Factors (Version 2.1)

Mun		TTS Records		TTS Expanded Totals		Mean exp. Fac.	Census		Difference	
		House	Person	House	Person		House	Person	House	Person
1	PD1	3934	7370	78481	146644	19.95	78483	154369	0.0%	-5.0%
2	PD2	4112	10054	82103	199591	19.97	82104	203876	0.0%	-2.1%
3	PD3	4229	11122	88631	232683	20.96	88218	237108	0.5%	-1.9%
4	PD4	4610	9648	92087	192125	19.98	92477	198598	-0.4%	-3.3%
5	PD5	2104	5396	43686	112235	20.76	43707	114615	0.0%	-2.1%
6	PD6	4301	10308	86519	207286	20.12	86519	211287	0.0%	-1.9%
7	PD7	1095	2509	24061	55044	21.97	24062	55481	0.0%	-0.8%
8	PD8	3368	8707	68930	177910	20.47	68928	179723	0.0%	-1.0%
9	PD9	1308	4043	27463	84725	21.00	27465	93514	0.0%	-9.4%
10	PD10	2204	6561	48613	144539	22.06	48657	152428	-0.1%	-5.2%
11	PD11	2747	6937	56589	142836	20.60	57036	145968	-0.8%	-2.1%
12	PD12	1396	4088	26864	78665	19.24	26865	80286	0.0%	-2.0%
13	PD13	3533	9631	72588	197646	20.55	72517	203579	0.1%	-2.9%
14	PD14	1175	2913	23644	58575	20.12	23855	62322	-0.9%	-6.0%

Expansion Factors Continued

Mun	TTS Records		TTS Expanded Totals		Mean exp. Fac.	Census		Difference		
	House	Person	House	Person		House	Person	House	Person	
15	PD15	1279	3878	25034	75577	19.57	24897	78140	0.6%	-3.3%
16	PD16	3248	10266	63211	199475	19.46	63206	214919	0.0%	-7.2%
17	Brock	227	622	4172	11432	18.38	4172	11705	0.0%	-2.3%
18	Uxbridge	211	580	5336	14668	25.29	5387	15882	-0.9%	-7.6%
19	Scugog	273	798	6461	18887	23.67	6460	18837	0.0%	0.3%
20	Pickering	1238	3915	23503	74177	18.98	24048	78989	-2.3%	-6.1%
21	Ajax	1064	3285	20956	64879	19.70	20388	64430	2.8%	0.7%
22	Whitby	1219	3660	24038	72207	19.72	24037	73794	0.0%	-2.2%
23	Oshawa	2368	6395	49716	133507	20.99	49691	134364	0.1%	-0.6%
24	Clarington	969	2917	20106	60597	20.75	20127	60615	-0.1%	0.0%
25	Georgina	592	1633	12335	34019	20.84	12335	34978	0.0%	-2.7%
26	East Gwillimbury	345	1059	6128	18826	17.76	6128	19770	0.0%	-4.8%
27	Newmarket	916	2737	18183	54198	19.85	18181	57125	0.0%	-5.1%
28	Aurora	576	1794	11165	34786	19.38	11165	34857	0.0%	-0.2%
29	Richmond Hill	1578	4869	31472	97400	19.94	31521	101725	-0.2%	-4.3%
30	Whit.-Stouff.	268	774	6622	19126	24.71	6621	19835	0.0%	-3.6%
31	Markham	2645	8758	49421	163484	18.68	49368	173383	0.1%	-5.7%
32	King	241	728	5965	18018	24.75	5941	18223	0.4%	-1.1%
33	Vaughan	1897	6578	36912	127833	19.46	36914	132549	0.0%	-3.6%
34	Caledon	537	1616	12672	38146	23.60	12665	39893	0.1%	-4.4%
35	Brampton	3938	12454	80974	255656	20.56	81178	268251	-0.3%	-4.7%
36	Mississauga	8653	26018	172896	518710	19.98	172724	544382	0.1%	-4.7%
37	Halton Hills	667	1828	14349	39503	21.51	14348	42390	0.0%	-6.8%
38	Milton	523	1541	10502	30997	20.08	10503	32104	0.0%	-3.4%
39	Oakville	2213	6364	43130	123640	19.49	43130	128405	0.0%	-3.7%
40	Burlington	2462	6557	50422	134124	20.48	50424	136976	0.0%	-2.1%
41	Flamborough	425	1251	11220	33106	26.40	11336	34037	-1.0%	-2.7%
42	Dundas	461	1167	8661	21955	18.79	8511	23125	1.8%	-5.1%
43	Ancaster	365	1136	7528	23479	20.62	7561	23403	-0.4%	0.3%
44	Glanbrook	179	557	3489	10856	19.49	3488	10564	0.0%	2.8%
45	Stoney Creek	969	2781	18188	52036	18.77	18186	54318	0.0%	-4.2%
46	Hamilton	6236	15483	129995	320559	20.85	129990	322352	0.0%	-0.6%
51	Grimsby	348	992	6845	19513	19.67	6846	19585	0.0%	-0.4%
52	Lincoln	282	809	6444	18486	22.85	6445	18801	0.0%	-1.7%
53	Pelham	202	572	5078	14380	25.14	5078	14343	0.0%	0.3%
54	Niagara On The Lake	224	541	4787	11561	21.37	4787	13238	0.0%	-12.7%
55	St Catharines	2964	7179	52971	128658	17.87	52742	131163	0.4%	-1.9%
56	Thorold	341	938	6636	18253	19.46	6635	17883	0.0%	2.1%
57	Niagara Falls	1528	3968	30086	78084	19.69	30085	76917	0.0%	1.5%
58	Welland	964	2410	19100	47681	19.81	19099	48411	0.0%	-1.5%
59	Port Colbourne	385	968	7450	18731	19.35	7448	18451	0.0%	1.5%
60	Fort Erie	590	1425	11393	27504	19.31	11392	27183	0.0%	1.2%
61	West Lincoln	158	549	3602	12517	22.80	3602	11513	0.0%	8.7%
62	Wainfleet	104	304	2172	6348	20.88	2171	6253	0.0%	1.5%
63	Waterloo	1659	4575	30192	83591	18.20	30216	77949	-0.1%	7.2%
64	Kitchener	3386	8801	67725	175532	20.00	67703	178420	0.0%	-1.6%
65	Cambridge	1695	4662	35534	97512	20.96	35526	101429	0.0%	-3.9%
66	North Dumfries	109	328	2530	7613	23.21	2539	7817	-0.4%	-2.6%
67	Wilmot	261	722	4706	13018	18.03	4707	13831	0.0%	-5.9%
68	Wellesley	120	419	2449	8552	20.41	2449	8664	0.0%	-1.3%
69	Woolwich	265	752	5756	16333	21.72	5755	17325	0.0%	-5.7%
70	City of Guelph	2114	5419	36982	94455	17.49	36264	95821	2.0%	-1.4%
71	Puslinch	36	99	1897	5216	52.69	1897	5416	0.0%	-3.7%

Expansion Factors Continued

Mun	TTS Records		TTS Expanded Totals		Mean exp. Fac.	Census		Difference		
	House	Person	House	Person		House	Person	House	Person	
72	Guelph Twp	15	44	320	940	21.33	1037	3282	-69.1%	-71.4%
73	Pilkington	28	92	763	2507	27.25	763	2577	0.0%	-2.7%
74	Elora	88	222	1228	3097	13.95	1228	3346	0.0%	-7.4%
75	Nichol	32	106	1315	4356	41.09	1315	4223	0.0%	3.1%
76	Fergus	215	596	3249	9006	15.11	3249	8884	0.0%	1.4%
77	West Garafraxa	29	94	1294	4194	44.62	1294	3777	0.0%	11.0%
78	Eramosa	125	359	2111	6064	16.89	2111	6317	0.0%	-4.0%
79	Erin	145	411	3534	10016	24.37	3533	10657	0.0%	-6.0%
80	Orangeville +	438	1319	7788	23452	17.78	7275	21498	7.1%	9.1%
81	Barrie	1565	4153	28560	75326	18.25	28559	79191	0.0%	-4.9%
82	Innisfil	438	1234	8795	24779	20.08	8793	24711	0.0%	0.3%
83	Bradford-West Gwillimbury	262	847	6380	20624	24.35	6379	20213	0.0%	2.0%
84	Tecumseth	429	1218	7941	22545	18.51	7939	22902	0.0%	-1.6%
85	Adjala- Tosorontio	103	306	2997	8911	29.10	3004	9361	-0.2%	-4.8%
86	Essa	316	922	5375	15683	17.01	5376	16363	0.0%	-4.2%
87	Clearview	231	661	4405	12605	19.07	4405	12407	0.0%	1.6%
88	Springwater	233	712	4879	14909	20.94	4880	14793	0.0%	0.8%
89	Lindsay	407	977	7175	17225	17.63	7177	17638	0.0%	-2.3%
90	OPS	18	54	1486	4458	82.56	1486	4311	0.0%	3.4%
91	Manvers	169	508	1876	5639	11.10	1876	5624	0.0%	0.3%
92	Mariposa	115	359	2509	7833	21.82	2509	7456	0.0%	5.1%
93	Eldon	69	171	1416	3509	20.52	1416	3707	0.0%	-5.3%
94	Carden	7	19	293	796	41.86	338	887	-13.3%	-10.3%
95	Dalton	0	0	0	0	n/a	169	442	-100.0%	-100.0%
96	L-D-L	18	43	754	1801	41.89	462	1114	63.2%	61.7%
97	Somerville	42	112	925	2466	22.02	925	2238	0.0%	10.2%
98	Bexley	11	32	461	1340	41.91	539	1306	-14.5%	2.6%
99	Fenelon	158	385	3576	8713	22.63	3576	8082	0.0%	7.8%
100	Verulam	66	159	1711	4121	25.92	1711	4373	0.0%	-5.8%
101	Bobcageon	61	112	1275	2341	20.90	1275	2753	0.0%	-15.0%
102	Emily	130	370	2812	8003	21.63	2812	7995	0.0%	0.1%
103	Peterborough	1693	4039	30379	72454	17.94	28610	70310	6.2%	3.0%
104	Cavan	51	157	2327	7164	45.63	2327	7042	0.0%	1.7%
105	North Monaghan	3	8	57	152	19.00	386	1210	-85.2%	-87.4%
106	South Monnaghan	29	78	586	1576	20.21	586	1579	0.0%	-0.2%
107	Otonabee	29	79	1858	5062	64.07	1858	5447	0.0%	-7.1%
108	Asphodel	65	174	1468	3929	22.58	1468	4080	0.0%	-3.7%
109	Dummer	34	92	1092	2955	32.12	1092	3053	0.0%	-3.2%
110	Douro	129	345	2214	5920	17.16	2214	6115	0.0%	-3.2%
111	Smith	113	333	3634	10709	32.16	3634	10091	0.0%	6.1%
112	Ennismore	90	231	1615	4144	17.94	1615	4465	0.0%	-7.2%
113	Northumberland	361	930	5401	13913	14.96	5400	0	0.0%	n/a
Total		115193	312781	2317190	6285142	20	2315511	6453707	0.1%	-2.6%

TTS Traffic Zones

A new traffic zone system is defined for the 1996 TTS. The boundary system covers the entire survey area and matches with the individual agencies' street networks used for coding the survey data. This is accomplished by converting all the street networks into a custom map projection. Regional, county and city boundaries are adjusted such that they align with each other without overlaps or gaps. This customization implies that the 1996 TTS traffic zone boundary file is only applicable to the 1996 survey data and should not be used for any other purposes.

The 1996 TTS traffic zone system is created by combining the traffic zones for areas which have traffic zones defined and supplementing it with municipal boundaries for areas which do not have traffic zones. Each traffic zone is assigned a unique six digit number for identification. The first two digits are always the Census Division (CD) numbers and the remaining four digits are combinations of Census Sub-Division (CSD) numbers and local traffic zone numbers.

Greater Toronto Area

TTS traffic zones in the GTA are based on the 1991 GTA zone system. The numbers are defined by appending the two digit CD number with the four digit GTA traffic zone number. When the GTA number is less than four digits, zeros are padded to the beginning to form a four digit code. For example, traffic zone 1 in Metro Toronto is considered as zone 0001 and thus defined as TTS zone 200001.

Metro Toronto	20	_____	(0001 - 0460)
Durham Region	18	_____	(0501 - 0710)
York Region	19	_____	(0801 - 0978)
Peel Region	21	_____	(1101 - 1325)
Halton Region	24	_____	(1401 - 1563)
Hamilton Region	25	_____	(1601 - 1770)

Regions External To The Greater Toronto Area

For areas outside of the GTA, the numbering procedure depends on whether the entire region or county is surveyed or not.

(i) Regions and Counties Surveyed in Whole

The municipalities of Niagara Region, Victoria County and Waterloo Region all have their entire region surveyed and each has a local traffic zone system. The TTS traffic zone numbers for the 3 areas are defined similarly to the GTA. That is, by combining the two digit CD number with a four digit equivalent of the local traffic zone number.

Niagara Region	26 _ _ _ _	(0001 - 0364)
Waterloo Region	30 _ _ _ _	(0001 - 0275)
Victoria County	16 _ _ _ _	(018x - 035x, where x = 0, 1, 2, 3)

Some adjustments are made for the traffic zones in Victoria County. Certain zones in Victoria have duplicate zone numbers with an A, B or C extension to distinguish them. In order to have a consistent numeric system throughout the survey area, the letter extensions are replaced with a number. The letter A is replaced with 1, B with 2 and C with 3. For example, Victoria traffic zone 18B is converted to 0182 and has a TTS number of 160182. Traffic zones that do not have letter extensions are assigned a 0 on the end. For example, Victoria traffic zone 21 is converted to 0210 and has a TTS number of 160210.

(ii) Regions and Counties not Surveyed in Whole

Peterborough County and Wellington County are not surveyed in whole and they do not have local traffic zone numbering. TTS traffic zone numbers are defined simply by combining the two digit CD number and the two digit truncated CSD numbers with 00 added on the end. The truncated CSD numbers is defined by dropping the leading 0 in Statistics Canada's 3 digit CSD number. Accordingly, the TTS traffic zone boundaries for Peterborough and Wellington Counties follow the local municipal boundaries.

Peterborough County 15 __ 00

Wellington County 23 __ 00

Simcoe County also is not surveyed entirely. However, for areas which are surveyed, a local traffic zone system is defined. TTS zone numbers for the surveyed area in Simcoe County are assembled with Simcoe County's CD number, 43, followed by the CSD number and the local two digit traffic zone number. For example, zone 21 in Simcoe County has TTS zone number 430721, where 07 is the CSD number for New Tecumseth. The CSD number is needed to differentiate traffic zones between Simcoe County and City of Barrie because both municipalities have the same CD number and start numbering their respective traffic zones at 01.

Simcoe County (surveyed area) 43 _ _ _ _ (2 digit CSD & 01 - 28)

The Canadian Forces Base Borden is defined separately from the municipality of Essa. The TTS zone number for Borden is 438528.

(iii) Local Municipalities with Traffic Zones Defined

The remaining survey areas outside the GTA are the City of Barrie, the City of Guelph, the City of Peterborough and the Town of Orangeville. These areas share the same CD number with their adjoining county and have local traffic zones defined.

The TTS zone numbers for the City of Barrie are assembled from Simcoe County's CD number, 43, followed by the City of Barrie's CSD number, 42, and the local traffic zone number in a two digit form. For example, zone 02 in the City of Barrie has TTS zone number 434202.

City of Barrie 43 42 __ (01 - 32)

The TTS zone numbers for the City of Guelph are assembled from Wellington County's CD number, 23, followed by the City of Guelph's CSD number, 08, and the two digit ward number. For example, Ward 5 in the City of Guelph has TTS zone number 230805.

City of Guelph 23 08 __ (01 - 06)

The TTS zone numbers for the City of Peterborough are assembled with Peterborough County's CD number, 15, followed by the City of Peterborough's CSD number, 14, and the local traffic zone number in a two digit form. For example, zone 16 in the City of Peterborough has TTS zone number 151416.

City of Peterborough 15 14 __ (01 - 25)

The TTS zone numbers for the Town of Orangeville are assembled with Dufferin County's CD number, 22, followed by the Town of Orangeville's CSD number, 14, and the two digit local traffic zone number. Zone 6 is actually areas just outside of Orangeville but was included in the survey. For example, zone 4 in The Town of Orangeville has TTS zone number 221404.

Town of Orangeville 22 14 __ (01 - 06)

General Codes

The codes '0' and '888888' are used where a traffic zone specification is not applicable. Individuals who are not employed or are not students are assigned a zone code of '0' in the applicable zone field. Individuals who have no usual place of work or school are assigned the code to '888888' in the zone field.

'999998' identifies points which are external to the survey area.

'999999' identifies points which are unknown.

Exhibit 4: TTS Traffic Zone Numbering - Greater Toronto Area

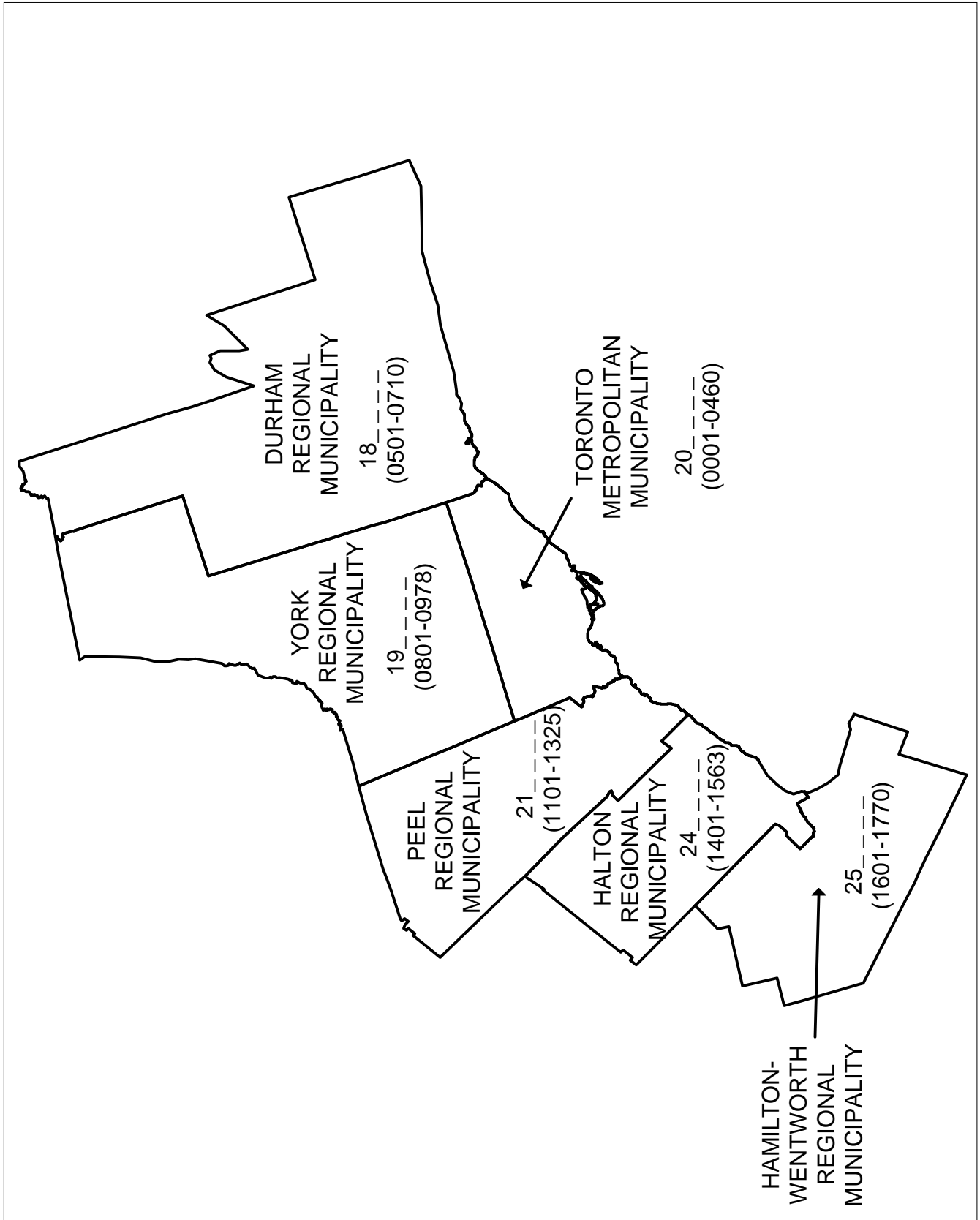


Exhibit 5: TTS Traffic Zone Numbering - Niagara Region, Waterloo Region and the Town of Orangeville

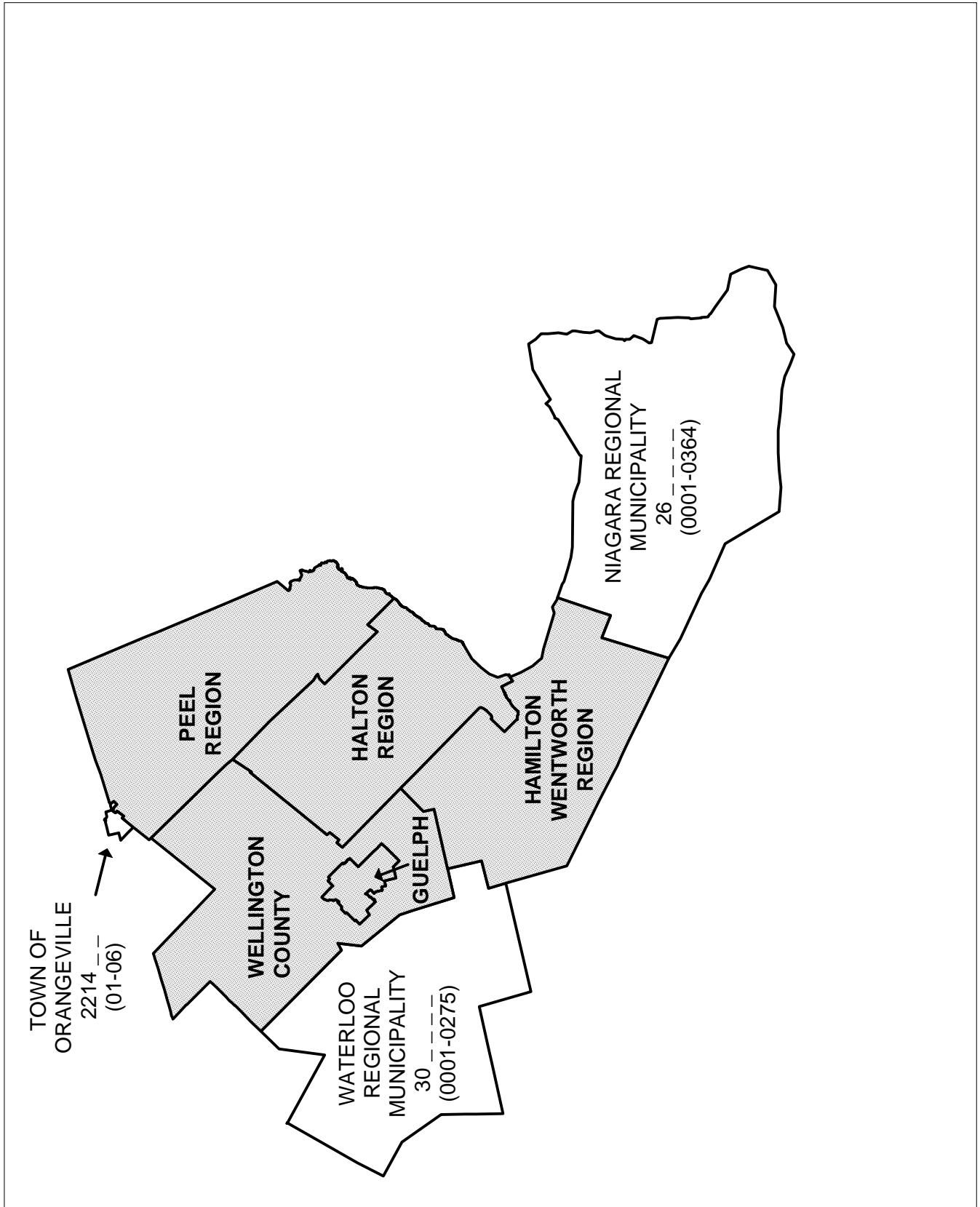


Exhibit 6: TTS Traffic Zone Numbering - Victoria County

FOR ZONES WITH: A EXTENSIONS, X = 1
B EXTENSIONS, X = 2
C EXTENSIONS, X = 3
NO EXTENSION, X = 0

VICTORIA COUNTY IS THE ONLY TTS REGION
REQUIRING THIS NUMBERING CONVENTION.

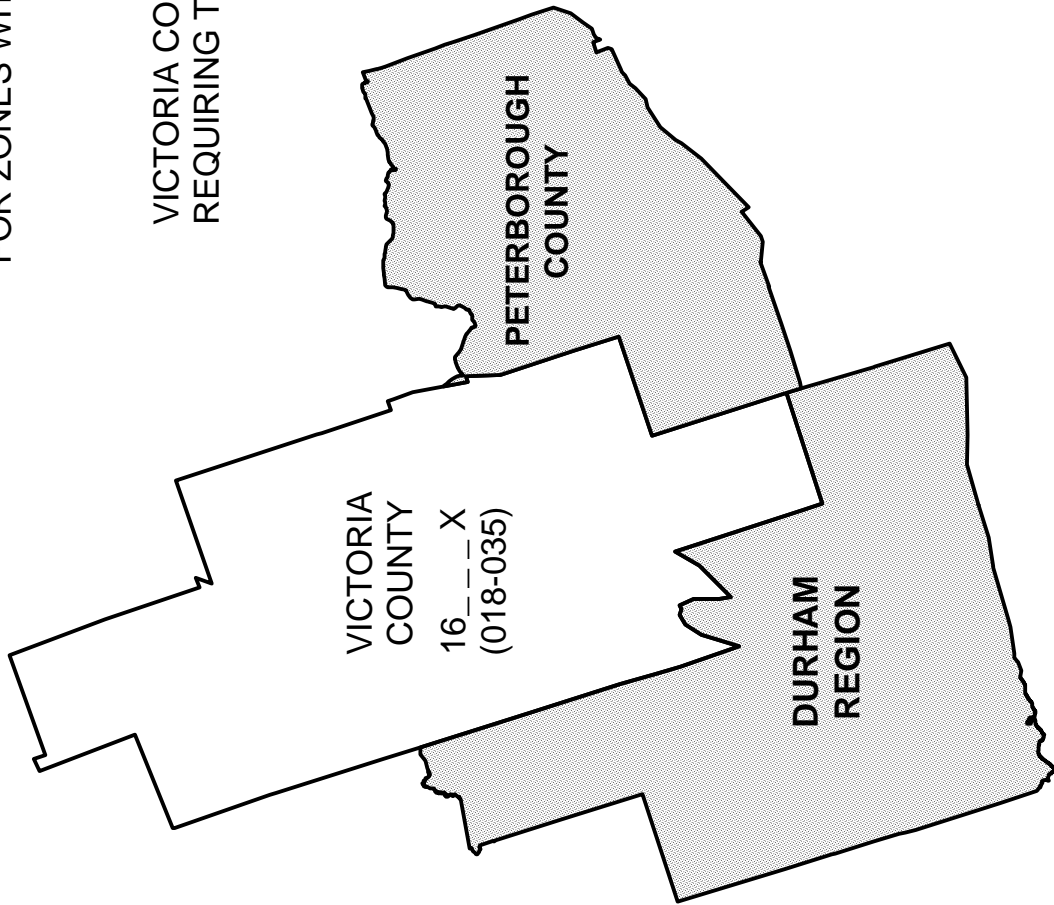


Exhibit 7: TTS Traffic Zone Numbering - Counties of Wellington and Peterborough

CENSUS SUBDIVISIONS WERE USED AS TRAFFIC ZONES IN WELLINGTON AND PETERBOROUGH COUNTIES (INCLUDING BOTH SURVEY AND NON-SURVEY AREAS). THE THIRD AND FOURTH DIGITS OF THE ZONE NUMBER INDICATE THE CSD.

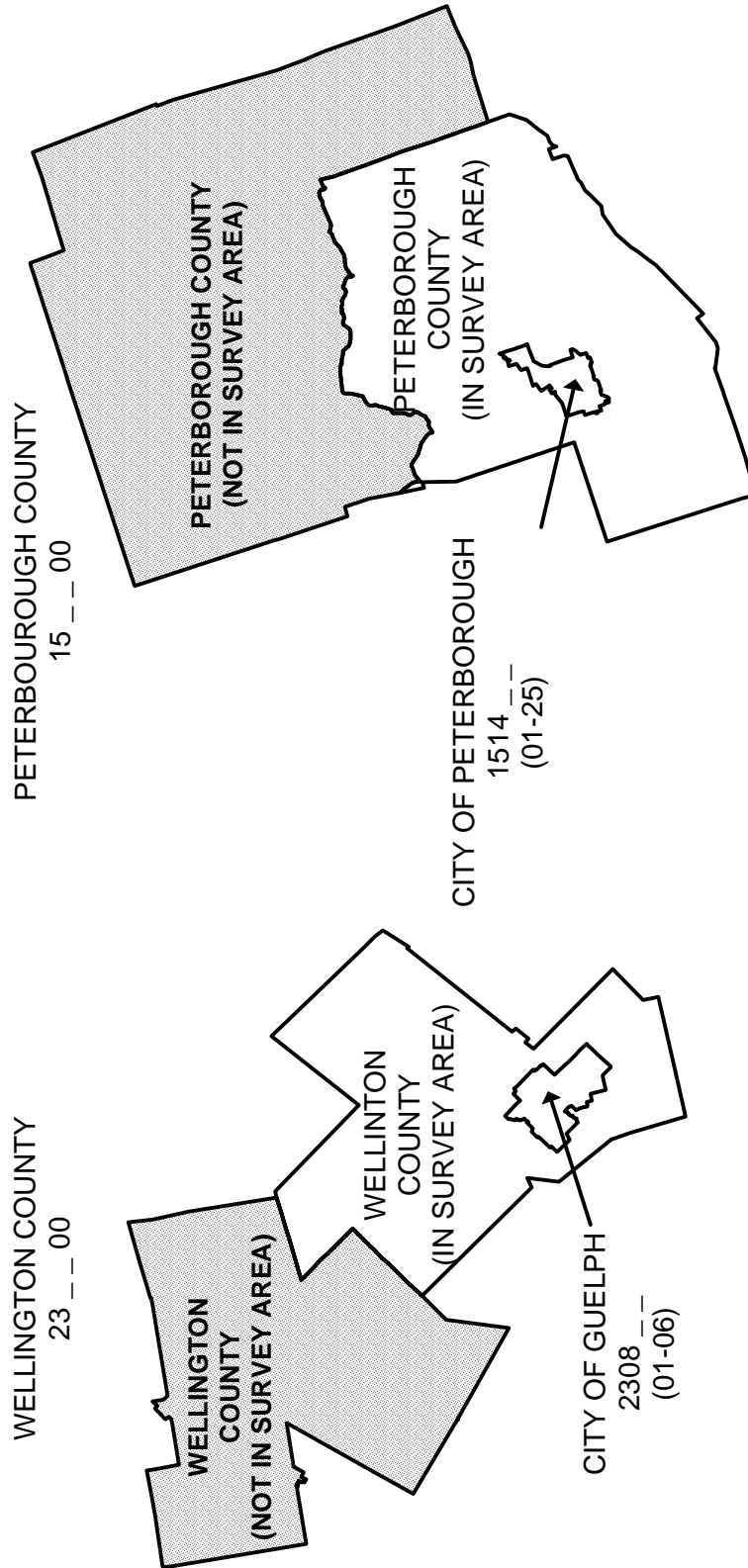
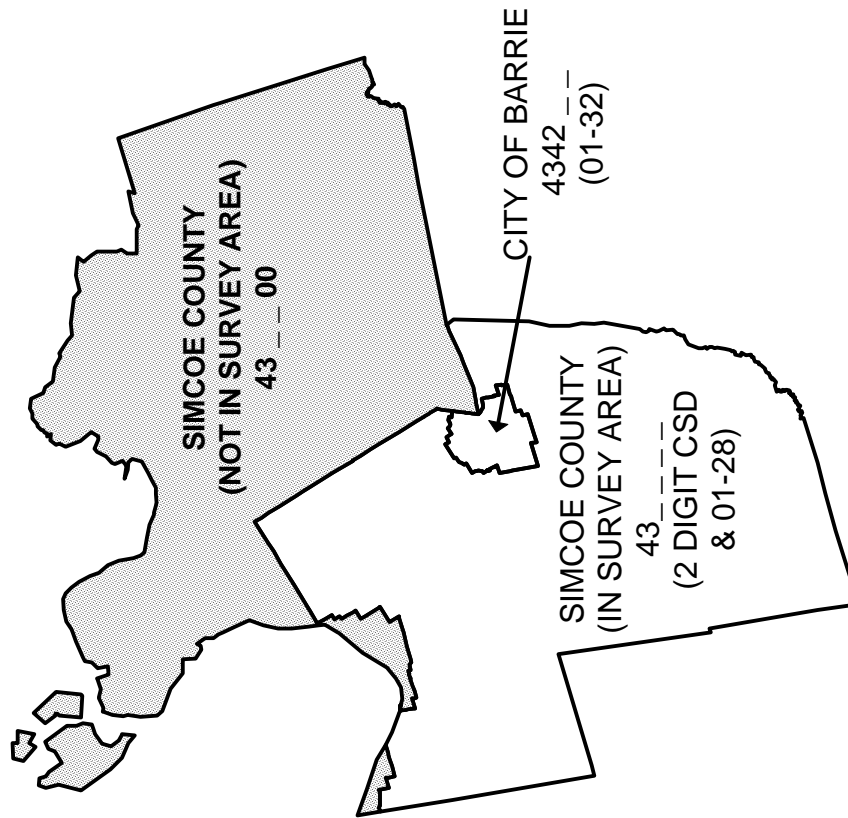


Exhibit 8: TTS Traffic Zone Numbering - Simcoe County and the City of Barrie

CENSUS SUBDIVISIONS WERE USED FOR TRAFFIC ZONES IN THE PORTION OF SIMCOE COUNTY OUTSIDE THE SURVEY AREA. THE THIRD AND FOURTH DIGITS INDICATE THE CSD.



Planning Districts

The 46 planning district system for the GTA has been extended to include survey areas external to the GTA. The numberings were assigned sequentially, in the clockwise direction, starting at 51 for Grimsby in Niagara Region and ending at 113 for Northumberland County.

Exhibit 9: 1996 TTS Survey Area Planning Districts (Metro)

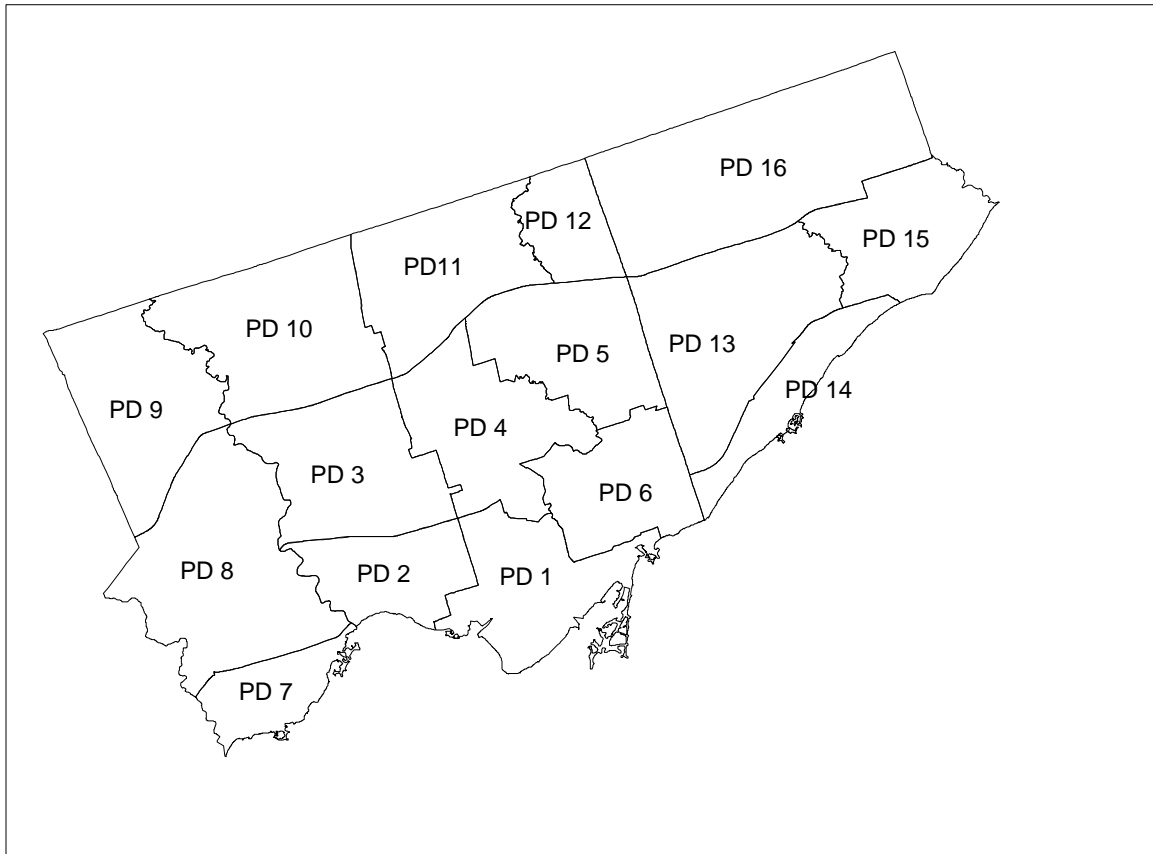
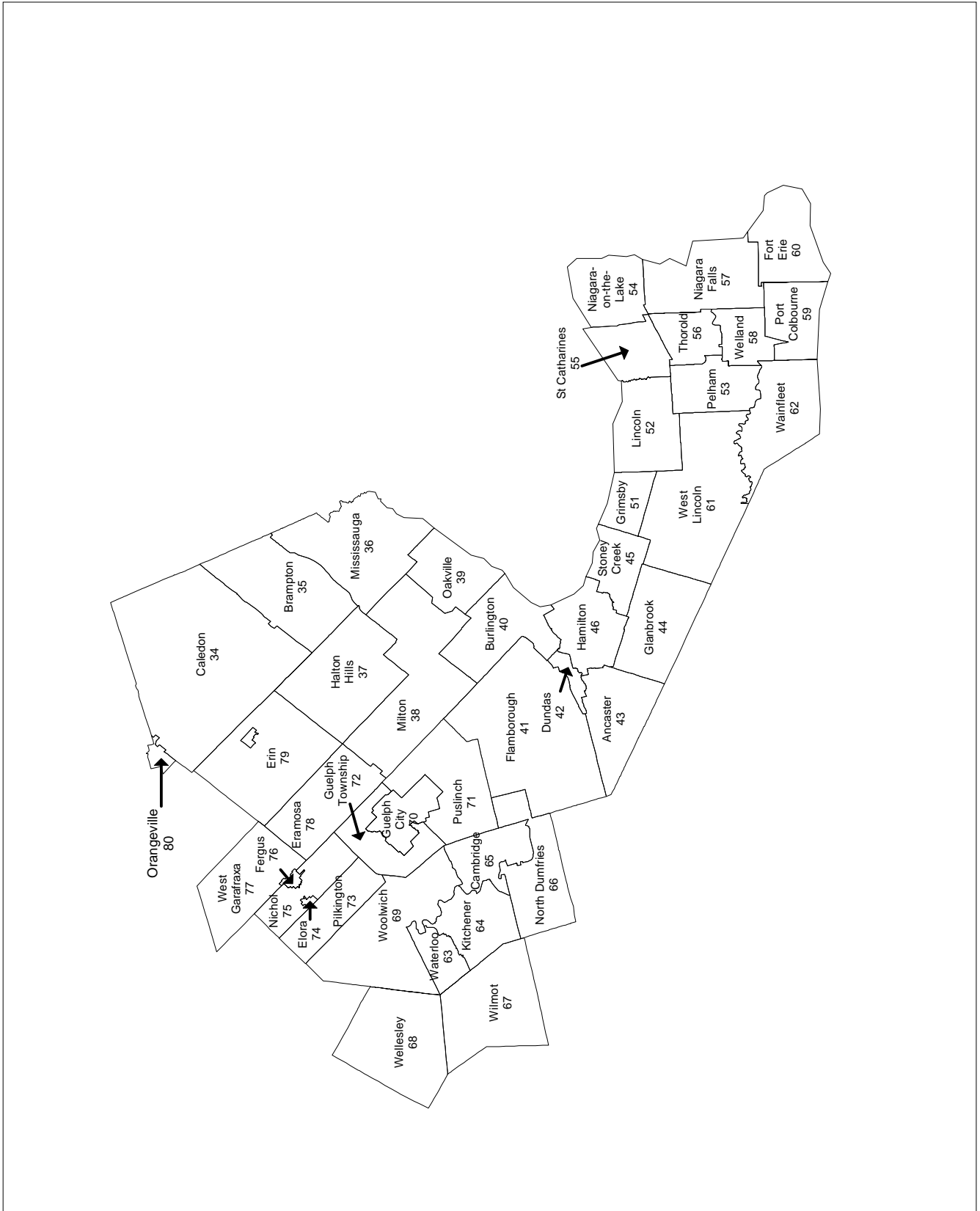


Exhibit 10: 1996 TTS Survey Area Planning Districts (Eastern Half)



Exhibit 11: 1996 TTS Survey Area Planning Districts (Western Half)



1991 GTA Zones

The 1991 GTA zone numbering system has been extended to include non-GTA areas included in the 1996 survey. The following table illustrates the correspondence between the revised GTA zone numbering and the internal zone numbering system used by each non-GTA agency.

Exhibit 12: Non-GTA Survey Areas GTA Zone Numbering

<u>Agency</u>	<u>Local Zone System</u>	<u>1991 GTA Zone System</u>
Niagara	1 - 364	2001 - 2364
Waterloo	1 - 275 (no zone 188)	2401 - 2675
Guelph	1 - 6	2701 - 2706
Wellington	not applicable	2707 - 2716
Orangeville	1 - 6	2721 - 2726
Simcoe	1 - 28	2751 - 2778
Barrie	1 - 32	2801 - 2832
Victoria County	not sequential	2841 - 2865
Peterborough County	not applicable	2871 - 2884
City of Peterborough	1 - 25	2901 - 2925
Northumberland	not applicable	2931 - 2946
External	not applicable	2947 - 2998
External Undefined	not applicable	3000

Exhibit 13: Survey Areas With Non-Sequential GTA Zones

<u>1991 GTA Zone System</u>	<u>Name</u>
Wellington County	
2707	Puslinch
2708	Guelph
2709	Pilkington
2710	Elora
2711	Nichol
2712	Fergus
2713	West Garafraxa
2714	Eramosa
2715	Erin
2716	Erin Village
Victoria County	
2841	18A
2842	18B
2843	18C
2844	19
2845	20
2846	21
2847	22
2848	24
2849	25
2850	26
2851	23
2852	27A
2853	27B

Areas With Non-Sequential GTA Zones Continued

2854	28A
2855	28B
2856	29A
2857	29B
2858	29C
2859	30
2860	31
2861	32
2862	33
2863	34
2864	35A
2865	35B
Peterborough County	
2872	Millbrook
2873	North Monaghan
2874	South Monaghan
2875	Otonabee
2876	Hiawatha First Nation 36
2877	Asphodel
2878	Norwood
2879	Dummer
2880	Douro
2881	Lakefield
2882	Smith
2883	Curve Lake First Nation 35
2884	Ennismore
Northumberland	
2931	Hope
2932	Port Hope
2933	Hamilton
2934	Cobourg
2935	Haldimand
2936	Alderville 37
2937	Alnwick
2938	Percy
2939	Cramahe
2940	Colborne
2941	Brighton Town
2942	Brighton
2943	Seymour
2944	Murray
2945	Hastings
2946	Campbellford

Exhibit 14: External to Survey Area GTA Zones

<u>1991 GTA Zone System</u>	<u>Name</u>	<u>Planning District</u>
2947	Havelock, Peterborough County	114
2948	Belmont and Methuen, Peterborough County	114
2949	Chandos, Peterborough County	114
2950	Burleigh and Anstruther, Peterborough County	114
2951	Galway and Cavendish, Peterborough County	114
2952	Harvey, Peterborough County	114
2960	Hastings County	115
2961	Haliburton County	116
2962	Muskoka District Municipality	117
2963	Rama, Simcoe County	118
2964	Orillia, Simcoe County	118
2965	Oro-Medonte, Simcoe County	118
2966	Rama First Nation 32, Simcoe County	118
2968	Tay, Simcoe County	118
2969	Severn, Simcoe County	118
2972	Midland, Simcoe County	118
2974	Penetanguishene, Simcoe County	118
2975	Tiny, Simcoe County	118
2976	Wasaga Beach, Simcoe County	118
2977	Collingwood, Simcoe County	118
2979	Christian Island 30, Simcoe County	118
2982	Dufferin County	119
2983	Grey County	120
2984	Mount Forest, Wellington County	121
2985	Clifford, Wellington County	121
2986	Harriston, Wellington County	121
2987	Minto, Wellington County	121
2988	Arthur, Wellington County	121
2989	Palmerston, Wellington County	121
2990	Maryborough, Wellington County	121
2991	Drayton, Wellington County	121
2992	Peel, Wellington County	121
2993	Arthur Village, Wellington County	121
2994	West Luther, Wellington County	121
2995	Oxford County	123
2996	Perth County	122
2997	Brant County	124
2998	Haldimand-Norfolk Regional Municipality	125

General Codes

The codes '0' and '8888' are used where a traffic zone specification is not applicable. Individuals who are not employed or are not students are assigned a zone code of '0' in the applicable zone field. Individuals who have no usual place of work or school are assigned the code to '8888' in the zone field.

'9999' identifies points which are unknown.

Databases for 1996 TTS Version 2.1, 1991 TTS Version 4.1 and 1986 TTS Version 3.1

Household Attributes

The following data was collected or calculated from the TTS for each household that was surveyed in 1996. The attributes and categories are the same for 1986 and 1991 unless noted otherwise.

Exhibit 15: Household Attributes

<u>Attribute</u>	<u>Description</u>	<u>Code</u>
hhld_num	Household sample number	A six digit unique identifier The 1996 TTS numbers lie within the following ranges: 100,001 - 110,000 GTA only (mailing 4) 110,001 - 120,000 GTA only (mailing 5) 120,001 - 130,000 GTA only (mailing 6) 130,001 - 142,000 GTA only (mailing 7) 142,001 - 154,000 GTA only (mailing 8) 154,001 - 166,000 GTA only (mailing 9) 166,001 - 178,700 GTA only (mailing 10) 178,701 - 191,400 combined (mailing 11) 191,401 - 202,826 combined (mailing 12) 202,827 - 215,890 combined (mailing 13) 215,891 - 228,751 combined (mailing 14) 228,752 - 241,634 combined (mailing 15) 241,635 - 258,114 combined (mailing 16) 310,001 - 322,945 Waterloo (1995) 500,001 - 500,491 Northumberland (mailing 3)
region_hhld	Regional/Local municipality of household 1986 - regions 1 - 6 1991 - regions 1 - 7 1996 - regions 1 - 6, 11 - 20, 98	1 - Metro 2 - Durham 3 - York 4 - Peel 5 - Halton 6 - Hamilton-Wentworth 7 - Fringe 11 - Niagara 12 - Waterloo 13 - Guelph 14 - Wellington 15 - Orangeville 16 - Barrie 17 - Simcoe 18 - Victoria 19 - City of Peterborough 20 - Peterborough County 98 - External (Northumberland)
pd_hhld	Planning district of household	1 to 113 - See Planning District Maps (pg. 15 - 17)
ct_uid	Census Canada census tract unit identification	A ten digit identifier assigned by Statistics Canada
gzon_hhld	Traffic zone of the household (1996 only)	See section 'TTS Traffic Zones' (pg. 7 - 14)
gta91_hhld	GTA zone of the household	1991 GTA Zones (pg. 18 - 20)
ex_fac	Expansion factor for the household	A five digit number
utm_x_hhld	UTM X coordinate of the household	Distance east in metres, measured from the 81 st degree longitude with a false easting of 500,000 metres
utm_y_hhld	UTM Y coordinate of the household	Distance north in metres, measured from the equator

Household Attributes Continued

utmxo_hhld	UTM X coordinate of the household prior to allocating intersections (1996 only)	Distance east in metres, measured from the 81 st degree longitude with a false easting of 500,000 metres
utmyo_hhld	UTM Y coordinate of the household prior to allocating intersections (1996 only)	Distance north in metres, measured from the equator
dwel_type	Type of dwelling unit	1 - House 2 - Apartment 3 - Townhouse (1996 only) 9 - Unknown
gtyp_hhld	Method used to geocode household	A - Address - Block Face Address Range D - Address - Parcel Dot E - Emergency Location Code (1996 only) I - Intersection M - Monument P - Place Name Z - Traffic Zone
n_call	Number of calls or edit attempts to complete the interview	
trip_week	Weeks into the survey when trip data was collected Refer to previous dataguides for week numbering in 1986 and 1991	For Waterloo 1995, week of survey ending: 31 - October 15, 1995 32 - October 22, 1995 33 - October 29, 1995 34 - November 5, 1995 35 - November 12, 1995 36 - November 19, 1995 37 - November 26, 1995 38 - December 3, 1995 Week of survey ending: 0 - August 31, 1996 1 - September 7, 1996 2 - September 14, 1996 3 - September 21, 1996 4 - September 28, 1996 5 - October 5, 1996 6 - October 12, 1996 7 - October 19, 1996 8 - October 26, 1996 9 - November 2, 1996 10 - November 9, 1996 11 - November 16, 1996 12 - November 23, 1996 13 - November 30, 1996 14 - December 7, 1996 15 - December 14, 1996 16 - December 21, 1996
trip_day	Day of week trip data was collected for	1 - Monday 2 - Tuesday 3 - Wednesday 4 - Thursday 5 - Friday 9 - Unknown (1986, 1991)
n_person	Number of persons in the household	1 - 9 (1991, 1996) 1 -10 (1986)
n_vehicle	Number of vehicles available for personal use in the household	0 - 99
n_licence	Number of persons possessing a driver's license in the household	0 - 9
n_emp_ft	Number of full time workers in the household	0 - 9
n_emp_pt	Number of part time workers in the household	0 - 9
n_emp_home	Number of persons who work full or part time at home in the household	0 - 9
n_student	Number of full or part time students in the household	0 - 9
n_hhld_trip	Number of household trips on trip day (1986 data includes persons aged 6-10)	0 - 99
rec_mail	Receipt of advance letter 1991 and 1996 only	Y - Yes N - No 9 - Unknown

Person Attributes

The following data was collected or calculated for each person in the households surveyed in 1996. The attributes and categories are the same for 1986 and 1991 except as noted.

Exhibit 16: Person Attributes

<u>Attribute</u>	<u>Description</u>	<u>Code</u>
hhld_num	Household sample number	A six digit unique identifier
pers_num	Person number within the household	1 - 9
respond	Respondent status (household member who provided information)	T - Respondent F - Not respondent (i.e., his/her information was reported by another member of the household)
age	Age of person in years	0 - 99 (in 1991 age 1 included all persons under 2 years of age) 97 - Aged 97 and older (1986) 98 - Aged 98 and older(1991 and 1996) 99 - Unknown
sex	Gender of the person	F - Female M - Male 9 - Unknown
driver_lic	Possession of a driver's license	Y - Yes N - No 9 - Unknown
tran_pass	Possession of a transit pass New question in 1996	C - Combination or Dual Pass G - GO Transit Pass M - Metro Pass N - None O - Other Agency Pass 9 - Unknown (persons under age 11 are assumed not to have a transit pass)
emp_stat	Employment status of the person In 1986 a person could be recorded as employed or a student but not both In 1991 and 1996 combinations of employment and student status were allowed	F - Full time H - Work at home full time J - Work at home part time N - Not employed P - Part time 9 - Unknown (persons under 11 are assumed not to be employed)
occupation	Person's occupation type New question in 1996	G - General Office / Clerical M - Manufacturing / Construction/ Trades P - Professional / Management / Technical S - Retail Sales and Service O - Not Employed 9 - Unknown
no_work	Whether a full time employed person who did not make a trip to usual place of work worked from home on the trip day.	N - No Y - Yes O - Not Applicable 9 - Unknown
stu_stat	New question in 1996 Student status of person All persons aged 6 - 10 years are assumed to be full time students In 1986 a person could be recorded as employed or a student but not both In 1991 and 1996 combinations of employment and student status were allowed	O - Not a student P - Part time student S - Full time student 9 - Unknown

Person Attributes Continued

region_emp	Regional/Local municipality of person's usual place of work Not in 1986 survey 1991 - regions 1 - 7, 88, 98, 99 1996 - regions 1 - 6, 11 - 99	0 - Not employed 1 - Metro 2 - Durham 3 - York 4 - Peel 5 - Halton 6 - Hamilton-Wentworth 7 - Fringe 11 - Niagara 12 - Waterloo 13 - Guelph 14 - Wellington 15 - Orangeville 16 - Barrie 17 - Simcoe 18 - Victoria 19 - City of Peterborough 20 - Peterborough County 88 - No usual place of work 98 - External 99 - Unknown
pd_emp	Planning district of person's usual place of work Not in 1986 survey	0 - Not employed 1 to 113 (see Planning District Maps (pg. 15 - 17)) 114 - Peterborough County 115 - Hastings County 116 - Haliburton County 117 - Muskoka District Municipality 118 - Simcoe County 119 - Dufferin County 120 - Grey County 121 - Wellington County 122 - Perth County 123 - Oxford County 124 - Brant County 125 - Haldimand-Norfolk Regional Municipality 888 - No Usual Place of Work 998 - External 999 - Unknown
gzon_emp	Traffic zone of person's usual place of work (1996 only)	See section 'TTS Traffic Zones' (pg. 7 - 14)
gta91_emp	GTA zone of person's usual place of work Not in 1986 survey	1991 GTA Zones (pg. 18 - 20)
utmx_emp	UTM X coordinate of person's usual place of work Not in 1986 survey	Distance east in metres 0 - Not Employed 888888 - No usual place of work 999998 - External 999999 - Unknown
utmy_emp	UTM Y coordinate of person's usual place of work Not in 1986 survey	Distance north in metres 0 - Not Employed 888888 - No usual place of work 999998 - External 999999 - Unknown
utmxo_emp	UTM X coordinate of person's usual place of work prior to intersection allocation (1996 only)	Distance east in metres
utmyo_emp	UTM Y coordinate of person's usual place of work prior to intersection allocation (1996 only)	Distance north in metres
gtyp_emp	Method used to geocode person's usual place of work Not in 1986 survey	A - Address - Block Face Address Range B - Blank (not employed) D - Address - Parcel Dot (1996 only) E - Emergency Location Code (1996 only) F - MapInfo I - Intersection M - Monument N - No Usual Place of Work

Person Attributes Continued

		P - Place Name R - Unknown Z - Traffic Zone (1996 only)
free_park	Availability of free parking at person's usual place of work New question in 1991, 1996	N - No O - Not Employed Y - Yes 9 - Unknown
region_sch	Regional municipality of person's usual place of school Not in 1986 Survey 1991 - regions 1 - 7, 98, 99 1996 - regions 1 - 6, 11 - 99	0 - Not a student 1 - Metro 2 - Durham 3 - York 4 - Peel 5 - Halton 6 - Hamilton-Wentworth 7 - Fringe 11 - Niagara 12 - Waterloo 13 - Guelph 14 - Wellington 15 - Orangeville 16 - Barrie 17 - Simcoe 18 - Victoria 19 - City of Peterborough 20 - Peterborough County 88 - No usual place of school 98 - External 99 - Unknown
pd_sch	Planning district of person's usual place of school Not in 1986 survey	0 - Not a student 1 to 113 (see Planning District Maps (pg. 15 -17)) 114 - Peterborough County 115 - Hastings County 116 - Haliburton County 117 - Muskoka District Municipality 118 - Simcoe County 119 - Dufferin County 120 - Grey County 121 - Wellington County 122 - Perth County 123 - Oxford County 124 - Brant County 125 - Haldimand-Norfolk Regional Municipality 888 - No Usual School 998 - External 999 - Unknown
gzon_sch	Traffic zone of person's usual place of school (1996 only)	See section 'TTS Traffic Zones' (pg. 7 - 14)
gta91_sch	GTA zone of person's usual place of school Not in 1986 survey	1991 GTA Zones (pg. 18 - 20)
utm_x_sch	UTM X coordinate of person's usual place of school Not in 1986 survey	Distance east in metres 0 - Not attending school 888888 - No usual place of school 999999 - Unknown
utm_y_sch	UTM Y coordinate of person's usual place of school Not in 1986 survey	Distance north in metres 0 - Not attending school 888888 - No usual place of school 999999 - Unknown
utm_xo_sch	UTM X coordinate of person's usual place of school prior to intersection allocation (1996 only)	Distance east in metres

Person Attributes Continued

utmyo_sch	UTM Y coordinate of person's usual place of school prior to intersection allocation (1996 only)	Distance north in metres
gtyp_sch	Method used to geocode person's usual place of school Not in 1986 survey	A - Address - Block Face Address Range B - Blank (not a student) D - Address - Parcel Dot (1996 only) F - MapInfo E - Emergency location code (1996 only) H - Home I - Intersection M - Monument N - No Usual Place of School P - Place Name R - Unknown Z - Traffic Zone (1996 only)
n_pers_trip	Number of trips made by the individual on trip day	0 - 99
n_tran_trip	Number of trips made by individual on trip day with primary mode being public transit	0 - 99

Trip Attributes

The following data was collected or calculated for each trip made on the trip day for each person 11 years old and older in the households surveyed in 1996. The attributes and categories are the same for 1986 and 1991 except as noted. Trip information was collected for household members 6 years old and over in 1986, and 11 and older in 1991.

Exhibit 17: Trip Attributes

<u>Attribute</u>	<u>Description</u>	<u>Code</u>
hhld_num	Household sample number	A six digit unique identifier
pers_num	Person number within the household	1 - 9
trip_num	Trip number for that person	1 - 99
start_time	Start time of the trip (24 hour clock)	0400-2800 (4a.m. on the trip day to 4a.m. the next day) 9999 - Unknown
mode_prime	Primary mode of the trip (if any part of the trip is made by public transit, the primary mode is defined as B, G or J)	B - Public Transit (excluding GO Rail) C - Bicycle D - Auto Driver G - GO Rail J - Joint GO Rail and Public Transit M - Motorcycle O - Other P - Auto Passenger S - School Bus T - Taxi W - Walk 9 - Unknown
purp_orig	Origin purpose of the trip (the destination purpose of the previous trip, except for first trip on trip day, which is assumed to be other if the first trip does not start from home, work or school)	D - Daycare (1991 and 1996 only) E - Entertainment (1986 only) F - Facilitate passenger H - Home L - Linked trip (1991 only) M - Marketing (1986 and 1996 only) O - Other P - Personal (1986 only) S - School W - Work 9 - Unknown
region_orig	Regional municipality of trip origin 1986 - regions 1 - 6, 99 1991 - regions 1 - 7, 98 1996 - regions 1 - 6, 11 - 98	1 - Metro 2 - Durham 3 - York 4 - Peel 5 - Halton 6 - Hamilton-Wentworth 7 - Fringe 11 - Niagara 12 - Waterloo 13 - Guelph 14 - Wellington 15 - Orangeville 16 - Barrie 17 - Simcoe 18 - Victoria 19 - City of Peterborough 20 - Peterborough County 98 - External 99 - Unknown
pd_orig	Planning district of trip origin	1 to 113 (see Planning District Maps (pg. 15 - 17)) 114 - Peterborough County 115 - Hastings County 116 - Haliburton County 117 - Muskoka District Municipality 118 - Simcoe County

Trip Attributes Continued

		119 - Dufferin County 120 - Grey County 121 - Wellington County 122 - Perth County 123 - Oxford County 124 - Brant County 125 - Haldimand-Norfolk Regional Municipality 998 - External 999 - Unknown
gzon_orig	Traffic zone of trip origin	See section 'TTS Traffic Zones' (pg. 7 - 14)
gta91_orig	GTA zone of trip origin	1991 GTA Zones (pg. 18 - 20)
utm_x_orig	UTM X coordinate of trip origin	Distance east in metres 999999 - Unknown
utm_y_orig	UTM Y coordinate of trip origin	Distance north in metres 999999 - Unknown
utm_xo_orig	UTM X coordinate of trip origin prior to intersection allocation	Distance east in metres
utm_yo_orig	UTM Y coordinate of trip origin prior to intersection allocation	Distance north in metres
gtyp_orig	Method used to geocode trip origin	A - Address - Block Face Address Range D - Address - Parcel Dot E - Emergency location code F - MapInfo I - Intersection M - Monument P - Place Name R - Unknown Z - Traffic Zone
purp_dest	Destination purpose of the trip	C - Second and subsequent school trips D - Daycare (1991 and 1996 only) E - Entertainment (1986 only) F - Facilitate passenger H - Home L - Linked trip (1991 only) M - Marketing (1986 and 1996 only) O - Other P - Personal (1986 only) R - Second and subsequent work trips S - First school trip of the day W - First work trip of the day 9 - Unknown
region_dest	Regional municipality of trip destination	Same as region_orig
		1986 - regions 1 - 6, 99 1991 - regions 1 - 7, 98 1996 - regions 1 - 6, 11 - 98
pd_dest	Planning district of trip destination	1 to 113 (see Planning District Maps (pg. 15 - 17)) 114 - Peterborough County 115 - Hastings County 116 - Haliburton County 117 - Muskoka District Municipality 118 - Simcoe County 119 - Dufferin County 120 - Grey County 121 - Wellington County 122 - Perth County 123 - Oxford County 124 - Brant County 125 - Haldimand-Norfolk Regional Municipality 998 - External 999 - Unknown
gzon_dest	Traffic zone of trip destination	See section 'TTS Traffic Zones' (pg. 7 - 14)

Trip Attributes Continued

gta91_dest	GTA zone of trip destination	1991 GTA Zones (pg. 18 -20)
utm_x_dest	UTM X coordinate of trip destination	Distance east in metres
utm_y_dest	UTM Y coordinate of trip destination	Distance north in metres
gtyp_dest	Method used to geocode trip destination	A - Address - Block Face Address Range D - Address - Parcel Dot E - Emergency location code F - MapInfo I - Intersection M - Monument P - Place Name R - Unknown Z - Traffic Zone
trip_km	Straight line trip length in kilometres	

Transit Attributes

The following data was collected or calculated for each trip made on the trip day for each person 11 years old and older in the households surveyed in 1996. For trips made by public transit, detailed information was collected on the routes and the location of transfer points. The attributes and categories are the same for 1986 and 1991 except as noted. Trip information was collected for household members 6 years old and over in 1986, and 11 and older in 1991.

Exhibit 18: Transit Attributes

<u>Attribute</u>	<u>Description</u>	<u>Code</u>
hhld_num	Household sample number	A six digit unique identifier
pers_num	Person number within the household	1 - 9
trip_num	Trip number for that person	1 - 99
mode_accs	Mode used to access public transit.	C - Bicycle D - Auto Driver M - Motorcycle O - Other P - Auto Passenger S - School Bus (1991 only) T - Taxi W - Walk 9 - Unknown
region_accs	Regional municipality of access point 1986 - regions 1 - 6, 99 1991 - regions 1 - 7, 98 1996 - regions 1 - 6, 11 - 98	1 - Metro 2 - Durham 3 - York 4 - Peel 5 - Halton 6 - Hamilton-Wentworth 7 - Fringe 11 - Niagara 12 - Waterloo 13 - Guelph 14 - Wellington 15 - Orangeville 16 - Barrie 17 - Simcoe 18 - Victoria 19 - City of Peterborough 20 - Peterborough County 98 - External 99 - Unknown
pd_accs	Planning district of access point	1 to 113 (see Planning Districts (pg. 15-17)) 114 - Peterborough County 115 - Hastings County 116 - Haliburton County 117 - Muskoka District Municipality 118 - Simcoe County 119 - Dufferin County 120 - Grey County 121 - Wellington County 122 - Perth County 123 - Oxford County 124 - Brant County 125 - Haldimand-Norfolk Regional Municipality 998 - External 999 - Unknown
gzon_accs	Traffic zone of access point	See section 'TTS Traffic Zones' (pg. 7 -14)
gta91_accs	GTA zone of access point	1991 GTA Zones (18 - 20)
utm_x_accs	UTM X coordinate of access point	Distance east in metres
utm_y_accs	UTM Y coordinate of access point	Distance north in metres

Transit Attributes Continued

accs_m	Straight line distance from origin to access point in metres	
mode_egrs	Mode used after disembarking from public transit	As for mode_accs
region_egrs	Regional municipality of egress point	1 - Metro 2 - Durham 3 - York 4 - Peel 5 - Halton 6 - Hamilton-Wentworth 7 - Fringe 11 - Niagara 12 - Waterloo 13 - Guelph 14 - Wellington 15 - Orangeville 16 - Barrie 17 - Simcoe 18 - Victoria 19 - City of Peterborough 20 - Peterborough County 98 - External 99 - Unknown
	1986 - regions 1 - 6, 99 1991 - regions 1 - 7, 98 1996 - regions 1 - 6, 11- 98	
pd_egrs	Planning district of egress point	1 to 113 (see Planning District (pg. 15 - 17)) 114 - Peterborough County 115 - Hastings County 116 - Haliburton County 117 - Muskoka District Municipality 118 - Simcoe County 119 - Dufferin County 120 - Grey County 121 - Wellington County 122 - Perth County 123 - Oxford County 124 - Brant County 125 - Haldimand-Norfolk Regional Municipality 998 - External 999 - Unknown
gzon_egrs	Traffic zone of egress point	See section 'TTS Traffic Zones' (pg. 7 - 14)
gta91_egrs	GTA zone of egress point	1991 GTA Zones (18 - 20)
utm_x_egrs	UTM X coordinate of egress point	Distance east in metres
utm_y_egrs	UTM Y coordinate of egress point	Distance north in metres
egrs_m	Straight line distance from egress point to destination in metres	
n_route	Number of transit routes or links used for the trip.	1 - 5
route_1	Route used for first link	Four digit transit route code (refer to 'Transit Operators and Route Codes' (pg. 32 - 44))
route_2	Route used for second link	As for route_1
route_3	Route used for third link	As for route_1
route_4	Route used for fourth link	As for route_1
route_5	Route used for fifth link	As for route_1
n_go_rail	Number of links on GO Rail	0 - 5
n_go_bus	Number of links on GO Bus	0 - 5
n_subway	Number of links on TTC subway or RT	0 - 5
n_ttc_bus	Number of links on TTC Bus or streetcar	0 - 5
n_local	Number of links on other local transit properties (i.e., non-TTC and non-GO)	0 - 5
n_other	Number of links on other transit systems (e.g., VIA, Grey Coach)	0 - 5
oper_code	Transit operator code for the last non-TTC, non_GO transit route	Refer to 'Transit Operator Codes' O - only TTC, GO used (pg. 32, 33)

Transit Operator Codes

Exhibit 19: Transit Operator Codes

<u>Operator</u>	<u>Operator Code</u>	<u>Route Prefix</u>
Ajax	84	AJ
Aurora	74	AU
Barrie	18	BA
Bowmanville	90 (other municipal)	BO
Brampton	40	BR
Burlington	46	BU
Cambridge	10	CA
Fort Erie	90 (other municipal)	FE
Fergus	90 (other municipal)	FG
GO Bus	5	GB
GO Train	4	GT
Guelph	14	GU
Hamilton	48	HA
Kitchener	8	KO
Lakefield	90 (other municipal)	LF
Lindsay	90 (other municipal)	LI
Markham	80	MA
Milton	44	ML
Mississauga	20	MS
Newmarket	72	NE
Niagara	22	NI
Oakville	42	OA
Oshawa	88	OS
Orangeville	90 (other municipal)	OV
Peterborough	16	PE
Port Hope	90 (other municipal)	PH
Pickering	82	PI
Richmond Hill	70	RH
Rockwood	90 (other municipal)	RO
St Catharines	12	SC
Seneca	90 (other municipal)	SN
Stroud	90 (other municipal)	ST
TTC Bus	1	T0, T1, T9
TTC Blue Night Bus & Streetcar	1	T3
Wheeltrans	1	T4
TTC Streetcar	2	T5
TTC Subway or RT	3	T5
Thorold	90 (other municipal)	TH
Vaughan	60	VA
Welland	24	WE
Whitby	86	WH
Can-Ar	92 (non municipal)	XA
Charter (generic)	92 (non municipal)	XB

Transit Operator Codes Continued

<u>Operator</u>	<u>Operator Code</u>	<u>Route Prefix</u>
Canada Coach	92 (non municipal)	XC
Island Ferry	92 (non municipal)	XF
Grey Coach	92 (non municipal)	XG
Grey Hound	92 (non municipal)	XH
Ontario Northland	92 (non municipal)	XN
Penetang Midland Coach Line	92 (non municipal)	XP
Private (generic)	92 (non municipal)	XQ
VIA	92 (non municipal)	XR
University of Toronto	92 (non municipal)	XT
Burlington Airway	92 (non municipal)	XU
Voyageur	92 (non municipal)	XV
Pacific Western	92 (non municipal)	XW
Trentway-Wagar	92 (non municipal)	XZ

Transit Route Codes

The following lists contain only operator and route codes used in coding the responses to the 1996 TTS. The lists therefore do not necessarily include all routes in the respective transit system or those used in 1986 and 1991. The numbers given are the expanded 24 hour totals from the 1996 survey.

Exhibit 20: Transit Route Codes

Route	Route Name	RTE 1	RTE 2	RTE 3	RTE 4	RTE 5	Total
<u>Ajax</u>							
AJ01	Beach	233	96	59			388
AJ02	Puckrin	97	77	19			193
AJ03	Duffins	618	118	19			755
AJ04	Village	315	77	22	20		435
AJ05	Harwood	532	76	117			725
AJ06	Westney Heights	585	272	42			899
AJ07	Elm	136	19	39			194
AJ08	Applecroft	235	118	20			372
AJ15	Flag Bus Service	39					39
AJ97	Ajax Transit School Special	544					544
AJ99	Ajax Route Unknown	57					57
<u>Aurora</u>							
AU01	Northbound Aurora	267					267
AU02	Southbound Aurora	192	19				210
AU99	Aurora Route Unknown	20					20
<u>Barrie</u>							
BA98	Barrie Accessible Transit	52					52
BA99	Barrie Transit	4113		18			4131
<u>Bowmanville</u>							
BO99	Bowmanville Transit	73					73
<u>Brampton</u>							
BR01	Queen	2649	1215	120	42		4026
BR02	Main	1635	775	165	41		2615
BR03	Mclaughlin	535	62	54			651
BR04	Chinguacousy	312	42	22	19		395
BR07	Kennedy	1517	464	106	61		2147
BR08	Centre	654	223	122			999
BR09	Vodden A	396	160	20			576
BR10	Industrial	222	123				345
BR11	Steeles	1068	593	191	21		1873
BR12	Grenoble	566	149	66			781
BR13	Avondale	80	60	20			160
BR14	Torbram	386	459	101	19	20	984
BR15	Bramalea	981	126	41			1148
BR16	Southgate	108	87	22			216
BR17	Howden	301	121	81			502
BR18	Dixie	787	318	151	82		1338
BR20	E. Industrial	128		23			150
BR30	E. Industrial	82					82
BR77	HWY 7 (Brampton)	1767	833	114	42		2757

Transit Route Codes Continued

Route	Route Name	RTE 1	RTE 2	RTE 3	RTE 4	RTE 5	Total
BR80	Brampton A	62	19				81
BR82	Brampton C	24					24
BR83	Brampton D	20	20	20			61
BR89	Brampton	246	43				289
BR90	Central Park	87					87
BR97	Brampton School Special	189					189
BR99	Brampton Transit Route Unknown	43					43
<u>Burlington</u>							
BU01	Fairview/New	552	229				781
BU02	Brant/Guelph	984	442	60			1486
BU03	Mt Forest	695	121	20			837
BU04	Pinedale	691	81				772
BU05	Aldershot	141	81		43		266
BU06	Headon Forest	151	41				192
BU07	Tyandaga	23					23
BU08	Business Line	83	104				187
BU10	Fairview Bur G	825	320	111	20	19	1296
BU11	Caverdish Bur G	68					68
BU12	Headon Bur G	20	59				79
BU52	GO Special - Burlington/Downtown	46					46
BU63	GO Special - Burlington	18	18				36
BU98	Burlington Handi Van	23					23
BU99	Burlington Transit route unknown	38					38
<u>Cambridge</u>							
CA01	Hespeler Road	953	392				1344
CA02	Coronation	374	82	20			477
CA03	Franklin	225	131				357
CA04	Ballantyne	432	85	91			607
CA05	St Andrews	298	330	19			647
CA06	Branchton Park	43					43
CA07	Southgate	252	148	20			420
CA08	Alison	163	24				187
CA09	Myers	153	62				215
CA11	Dobbie Drive	21		21			43
CA12	Lovell Park						
CA14	Dunbar	420	122	39			581
CA17	Northview Acres	249	132				380
CA21	School Special - Cambridge	103	39				142
CA22	Cambridge Handicap	48					48
CA99	Cambridge Route Unknown						
<u>Fort Erie</u>							
FE99	Fort Erie Transit	154					154
<u>GO Bus</u>							
GB01	Oakville Train Meet	674	301	83	60		1118
GB03	Georgetown Train Meet	37					37
GB06	Richmond Hill Train Meet	98	40				138
GB09	Whitby Train Meet	376	137	42			555
GB16	Ham-Tor Exp (QEWS)	1959	403	81	20		2462
GB19	Oak_Stn-York_Mills (403)	735	251	95			1081
GB21	Milton - Union	511	99	20			630
GB27	Milton-York_Mills	304	122	37	20		483
GB31	Gtown-Union	202	108	19			328

Transit Route Codes Continued

Route	Route Name	RTE 1	RTE 2	RTE 3	RTE 4	RTE 5	Total
GB33	Georgetown-Yorkmill	400	258	105	20		783
GB34	Brampton-Yorkmills	1285	601	291	23		2201
GB52	Yonge C Service	4474	2289	522	19		7304
GB58	Bayview Service	1225	736	213	22		2196
GB61	Richmond Hill-Union	340	155	78			572
GB62	Newmarket-Finch "B"	1670	599	259			2528
GB66	Newmark-Yorkdale Ex	326	263	38			628
GB68	Bradford-Newmarket	236	35				271
GB69	Sutton-Yorkdale	183	20	21			224
GB94	Lakeshore East	3536	1276	356	60		5228
<u>GO Train</u>							
GT01	Lakeshore West	25750	6395	626	40		32812
GT02	Milton	10089	1516	99			11704
GT03	Georgetown	7530	1043	162			8735
GT05	Bradford	1984	271				2255
GT06	Richmond Hill	4061	400				4460
GT07	Stouffville	2221	291	20			2532
GT09	Lakeshore East	20532	5429	525	19		26505
GT99	GO Train - Line Unknown	3825	84				3909
<u>Guelph</u>							
GU99	Guelph Transit	11404					11404
<u>Hamilton</u>							
HA01	King	7806	2834	103			10743
HA02	Barton	6868	1834	166			8868
HA03	Cannon	1142	245	20			1407
HA04	Bayfront	2408	1005	142			3556
HA05	Delaware	9258	1646	121			11025
HA06	Aberdeen	1060	198				1258
HA07	Locke	445	204		27		675
HA08	York	517	159				675
HA10	Bee-Line	1134	358	20			1513
HA11	Parkdale	859	479	66			1404
HA16	Ancaster - Burl GO	78					78
HA21	Upper Kenilworth	1231	461	40			1733
HA22	Upper Ottawa A	1162	369		20		1551
HA23	Upper Gage	2255	616	20			2892
HA24	Upper Sherman	1412	662	20			2094
HA25	Upper Wentworth	2174	746	18			2937
HA26	Upper Wellington	1293	350	38			1681
HA27	Upper James	2172	591	58			2822
HA31	Fennell	2739	1189	58			3986
HA32	Garth St	498	79				577
HA33	Sanatorium	843	183	41	20		1087
HA34	Upper Paradise	1612	364	22			1998
HA35	College	1280	311	22			1612
HA41	Mohawk Rd	1970	739				2709
HA45	Limeridge	814	76				890
HA51	University	1465	321				1785
HA52	Dundas	568	121				689
HA53	Burlington	371	279	65	19		734
HA54	Burlington	18	19				37
HA55	Stoney Creek Cent.	1044	307	117		19	1487

Transit Route Codes Continued

Route	Route Name	RTE 1	RTE 2	RTE 3	RTE 4	RTE 5	Total
HA58	Stoney Creek Local	302	130	38			470
HA98	Darts (Disabled & Aged Transit)	199					199
HA99	Hamilton Route Unknown	118					118
<u>Kitchener</u>							
K01	Queen South / Stanley Park	1971	343	60			2373
K02	Forest Hill / Glencairn	911	184	21			1115
K03	Ottawa South / Idlewood	1177	273				1450
K04	Glasgow	511	156				667
K05	Erb West / Lancaster / Westvale	878	331	18			1228
K06	Bridgeport	184	81				264
K07	Fairview Mall Via Wilson	2290	869				3159
K07A	Fairview Mall Via Connaught	805	155				960
K07B	Fairview Mall Via Weber	976	77				1052
K07C	Conestoga Mall	2021	865				2886
K07D	University Of Waterloo	1603	603				2207
K08A	University / Fairview	2638	520				3158
K08B	University / Fairview	1067	356				1422
K09	Lakeshore	849	254	18			1121
K010	Conestoga College / Chicopee	910	557	41			1508
K011	Country Hills / Victoria Hills	1907	538	20			2465
K012	Conestoga Mall / Fairview Mall	3124	455				3579
K013	Beechwood	228	36				263
K014	Northlake / Waterloo Industrial	116	75	19			209
K015	Forest Heights West / Fredirck	1248	379				1627
K016	Brigadoon / Huron	374	148				522
K017	Heritage Park / Fairview Mall	157	37				193
K018	Guelph Street	182	41				224
K021	School Special - Kitchener	1504	38				1542
K022	Project Lift - Kitchener	522					522
K099	Kitchener Route Unknown	130					130
<u>Lindsay</u>							
LI99	Lindsay Transit	400					400
<u>Markham</u>							
MA01	North Trunk	1901	1163	267	41		3372
MA02	South Trunk Den	1727	786	122			2635
MA03	Thornhill Local	428	79	73			580
MA04	Unionville/Markham	424	105	36			565
MA05	Buttonville North	107	14				121
MA06	Buttonville North	123	14				137
MA07	16 th Avenue	205	40				245
MA08	16 th Avenue	125	139				264
MA97	Markham, Transit School Special	269					269
MA98	Markham Mobility	167					167
MA99	Markham Transit Route Unknown	76					76
<u>Milton</u>							
ML01	South West	62					62
ML02	South East	41					41
ML99	Milton Route Unknown	20					20
<u>Mississauga</u>							
MS01	Dundas	5014	2892	1092	61		9059
MS03	Bloor	3625	1708	602	44		5979
MS04	Applewood	948	322	56	39		1365

Transit Route Codes Continued

Route	Route Name	RTE 1	RTE 2	RTE 3	RTE 4	RTE 5	Total
MS05	Dixie	2368	1608	317	107		4401
MS06	Credit Woodlands	924	173	110	44		1250
MS07	Airport	1512	517	201	22		2252
MS08	Cawthra	2119	778	235			3132
MS09	Streetsville	1564	758	41	21		2383
MS10	Meadowvale	1347	271	133	58		1810
MS11	Malton	523	650	174	18		1365
MS12	Rexdale	68	45	49			162
MS13	Clarkson	1545	384	159	38	19	2145
MS16	Malton East	267	59	88			414
MS17	Dixie Ind. South	148	19	20		18	206
MS18	Malton Ind.South	315	103	64			483
MS19	Hurontario	7993	3664	612	187		12455
MS20	Rathburn	2168	1132	287			3586
MS22	Humber College	867	235	189	24		1315
MS23	Lakeshore	1477	538	233	56		2304
MS24	Meadowvale GO	35					35
MS25	Britannia Ind.	298	155	43	20		516
MS26	Burnhamthorpe	5436	3748	905	78		10166
MS27	Matheson	269	202	86	20	22	600
MS28	Confederation	1117	496	81	70		1764
MS29	Sheridan Park	297	97	39	43		475
MS30	Malton West	42					42
MS34	Eglington West	1022	370	172	116		1680
MS38	Creditview	630	140	131	60		961
MS40	Westwood	197	149	86			432
MS41	Port Credit	105	65	21			191
MS42	Derry	974	543	201			1718
MS43	Lisgar	123	35				158
MS44	Mississauga Road	996	290	86	59		1432
MS47	Collegeway	129		20			149
MS48	Erin Mills Pkwy	2516	938	232	54	18	3758
MS51	Tomken	1681	818	218	138		2854
MS52	Meyerside Ind.	213	146	20			379
MS53	Kennedy	125	99		65		289
MS55	Dixie Industrial	37					37
MS65	Sandlewood	131	42		18		191
MS67	Heartland	303	110	118	22		552
MS68	Bristol	330	18	55	18		421
MS70	Heartland Express	150	39	44			233
MS81	Dundas Express	1145	882	388	59		2474
MS83	Bloor Express	406	294	103			804
MS85	Dixie Express	309	112	80	44		545
MS86	Burnhamthorpe E	531	1079	302			1912
MS88	Town Centre Shuttle	85					85
MS89	Medvl Express	440	331	98	18		887
MS97	Mississauga School Special	159					159
MS98	Mississauga Transhelp	514					514
MS99	Mississauga Route Unknown	354	42				396
Newmarket							
NE01	#11 Newmarket Ne	60	20				80
NE02	#22 Newmarket	168					168

Transit Route Codes Continued

Route	Route Name	RTE 1	RTE 2	RTE 3	RTE 4	RTE 5	Total
NE03	#33 Newmarket Sw	41					41
NE04	#44 Newmarket Nw	214	58				272
NE05	#55a Newmarket Trun	1402	111		21		1533
NE06	#66 Newmarket W	295	55				350
NE98	Newmarket Handitransit	77					77
<u>Niagara</u>							
NI99	Niagara Transit	3303	58				3361
<u>Oakville</u>							
OA10	Oakville West Industrial	59	40				99
OA11	Linbrook-GO	237	192	62			491
OA12	Hopedale Exp GO	40					40
OA13	W Oak Tr Exp GO	94	55	18			168
OA14	Sheridan	892	258	62	20		1232
OA15	Bridge-GO	428	176	19	40		662
OA16	Speers-Falgarwd	156	60	20			236
OA17	White Oaks	428	99				526
OA18	Glen Abbey/Kerr	214	122				336
OA19	River Oaks Expg	524	262	162	35		983
OA20	Upper Iroquois	653	192	58	60		963
OA21	Clearview East	209	97	37			343
OA24	South Common Mall	838	405	312			1555
OA25	Aspen Forest	55	74		18		148
OA26	Falgarwood	217	59	118			394
OA27	White Oaks	361	181		20		562
OA28	Glen Abbey North	60	82				142
OA30	100b West Industria	20					20
OA31	101a Clarkson-GO	99					99
OA97	Oakville School Special	97					97
OA98	Oakville Community Bus	40					40
OA99	Oakville Route Unknown	37					37
<u>Oshawa</u>							
OS01	Simcoe	2729	605	42			3376
OS02	King	622	331	20			973
OS03	Park	636	144				781
OS04	Bloor	344	24				369
OS05	Central Park	345	205	41			590
OS06	Dean	703	89				792
OS07	Ritson	1007	365	19			1391
OS08	Rossland	1417	378	19	18		1832
OS09	Thornton	431	155				585
OS10	Olive / Harmony	568	76	37	25		706
OS11	Grandview	563	117	25	22		728
OS12	Adelaide	423	117	20			560
OS13	Oshawa GO Shuttle	39	215	43			298
OS99	Oshawa Route Unknown	156					156
<u>Orangeville</u>							
OV99	Orangeville Transit	71					71
<u>Peterborough</u>							
PE99	Peterborough Transit	7963					7963
<u>Port Hope</u>							
PH99	Port Hope Transit	75					75

Transit Route Codes Continued

Route	Route Name	RTE 1	RTE 2	RTE 3	RTE 4	RTE 5	Total
<u>Pickering</u>							
PI01	Industrial	40		20			60
PI02	Liverpool	326	58	19			403
PI03	Amberlea	247	57	56			360
PI04	Glendale	75	75				149
PI05	West Shore	373	76	37		19	505
PI06	Bay Ridges	297	58	20			376
PI07	Rosebank	675	57	19			751
PI10	Ajax	300	193	61			554
PI11	Finch/Hwy 2	493	56		19		569
PI12	Brock Road	369	151	18			538
PI14	Maple Ridge	301	38	55			394
PI15	Pickering Dial-A-Bus	131	18				149
PI98	Pickering Handitransit	246		19			265
PI99	Pickering Route Unknown	95					95
<u>Richmond Hill</u>							
RH01	Mill Pond	423	133	135	19		710
RH02	Newkirk	516	166	37			720
RH03	Trench	577	19	41			636
RH04	Oak Ridges	209	78	19			306
RH05	16th Avenue	326	98	74	38		535
RH06	Weldrick	338	94				432
RH07	Major Mackenzie	171	25	17			214
RH08	Bathurst	145	19	42		20	226
RH98	Richmond Hill Mobility Bus	139					139
RH99	Richmond Hill Route Unknown	92					92
<u>Rockwood</u>							
RO99	Rockwood Transit	34					34
<u>St Catharines</u>							
SC98	St Catharines Community Bus	37					37
SC99	St Catharines Transit	11704	73				11777
<u>Seneca</u>							
SN97	Seneca King Campus Bus	20	20				40
<u>TTC</u>							
T002	Anglesey	1442	831	170	19		2462
T004	Annette	1901	859	232			2992
T005	Avenue Road	2534	657	160	41		3391
T006	Bay	5474	2212	1244	101		9031
T007	Bathurst	12543	5409	2182	315		20448
T008	Broadview	1179	933	167	21		2300
T009	Bellamy	1714	694	141	121		2671
T010	Van Horne	1480	1071	194	19		2764
T011	Bayview	4226	2374	737	81	20	7438
T012	Kingston Rd	4276	1621	850	58		6805
T014	Glencairn	806	497	228	20		1551
T015	Evans	1707	560	586	40		2893
T016	McCowan	4626	2998	924	64	19	8631
T017	Birchmount	5975	2766	1094	62	23	9919
T020	Cliffside	2438	1139	664	21		4262
T021	Brimley	1503	701	336	57		2597
T022	Coxwell	3092	2078	1091	76		6337

Transit Route Codes Continued

Route	Route Name	RTE 1	RTE 2	RTE 3	RTE 4	RTE 5	Total
T023	Dawes	2418	1099	663			4179
T024	Victoria Park	12818	5828	2508	284	23	21461
T025	Don Mills	18290	8825	3341	340	44	30840
T028	Davisville	1363	956	440			2758
T029	Dufferin	18634	9762	3493	283		32172
T030	Lambton	1576	734	453	41		2805
T031	Greenwood	2151	907	485	118		3661
T032	Eglinton West	16949	10559	2944	228		30680
T033	Forest Hill	483	126	122	42		774
T034	Eglinton East	14463	8990	2765	294	23	26534
T035	Jane	17675	8341	3133	491	22	29662
T036	Finch West	18682	11724	2940	362	46	33753
T037	Islington Steeles	7535	4313	1305	121		13273
T039	Finch East	16759	13294	3455	160		33669
T040	Junction	1399	977	430			2807
T041	Keele	10418	5421	2020	234	40	18134
T042	Cummer	3740	2285	865	78		6968
T043	Kennedy	5995	3376	1274	59		10704
T044	Kipling South	2097	1035	827	57		4015
T045	Kipling	9289	5084	2004	107		16484
T046	Martin Grove	4763	2676	736	61	20	8256
T047	Lansdowne	5616	2362	1452	139	19	9587
T049	Bloor West	1318	777	247			2341
T050	Burnhamthorpe	1998	1334	347	38		3717
T051	Leslie	1749	1122	298			3169
T052	Lawrence West	10787	7707	2324	179	19	21015
T053	Steeles East	7694	5475	1530	81		14780
T054	Lawrence East	16981	8108	2536	532		28157
T055	Warren Park	342	122	40	41		545
T056	Leaside	1498	794	562			2853
T057	Midland	5868	3408	1406	164		10846
T058	Malton	3287	2081	519	82	21	5990
T059	Maple Leaf	1080	410	135			1624
T060	Steeles West	11335	5895	2265	165		19659
T061	Avenue Rd N Roelooop	1959	1119	417	22		3517
T062	Mortimer	2509	1369	402	83		4363
T063	Ossington	7636	4282	1900	138	20	13976
T064	Main	2366	1469	734	65		4634
T065	Parliament	1547	569	380	41		2538
T066	Prince Edward	1665	1054	777			3496
T067	Pharmacy	3561	1439	436	19		5455
T068	Warden	6811	4120	1531	224		12685
T069	Warden South	2646	1225	957	139		4967
T070	OConnor	3058	1283	781	40	20	5183
T071	Runnymede	2889	1396	795	40		5120
T072	Pape	4345	2346	1497	143	20	8351
T073	Royal York	4642	2974	875	42		8533
T074	Mt Pleasant	851	270	165	38		1325
T075	Sherbourne	3129	1531	535	59		5254
T076	Royal York South	3526	1931	1165	64		6686
T077	Spadina	10508	4575	4376	401	37	19897
T078	St Andrews	1064	529	326	42		1961

Transit Route Codes Continued

Route	Route Name	RTE 1	RTE 2	RTE 3	RTE 4	RTE 5	Total
T079	Scarlett Road	2273	1118	426	19		3836
T080	Queensway	1059	538	178	19		1794
T081	Thorncliffe Pk	2125	1269	614	19		4028
T082	Rosedale	1068	737	167	18		1990
T083	Jones	826	310	331			1468
T084	Sheppard West	7104	4490	1568	233		13395
T085	Sheppard East	16619	10719	2693	377	37	30444
T086	Scarboro	5287	3319	962	60	20	9647
T087	Cosburn	3468	1553	577	65		5663
T088	South Leaside	1322	611	223	21		2178
T089	Weston	6122	2677	999	92		9889
T090	Vaughan	3309	1759	805	183		6057
T091	Woodbine	2210	1107	471	77	19	3884
T092	Woodbine South	826	585	234	20		1665
T094	Wellesley	4868	2379	1667	77		8992
T095	York Mills	13652	8480	2082	321	21	24556
T096	Wilson	11635	9068	2691	183		23577
T097	Yonge	3401	1734	373	47		5555
T098	Willowdale-Selac	1198	405	162	20		1785
T099	Arrow Road	65	43	43			151
T100	Flemingdon Pk	5907	2714	1110	39	20	9790
T102	Markham Road	9442	4485	1370	141	20	15459
T103	Mt Pleasant North	1102	754	230		21	2106
T104	Faywood	1247	737	193	86		2263
T105	Wilson Heights	1208	878	463	62		2612
T106	York University	6532	2716	2101	292		11641
T107	Keele North	2664	1253	527	226	44	4715
T108	Downsview	3775	2226	830	63		6894
T109	Ranee	2719	1377	531	167	89	4883
T110	Islington South	3776	1459	1685	81		7001
T111	East Mall	2320	1059	423	84		3886
T112	West Mall	3176	1748	756	21		5701
T113	Danforth	2258	805	437	83		3583
T115	Silver Hills	161	20				181
T116	Morningside	6541	3291	953	58		10844
T117	Alness	842	563	312	40		1756
T120	Calvington	372	131	22			525
T121	Front-Esplanade	1098	383	187			1667
T122	Graydon Hall	1051	480	352	61		1944
T123	Shorncliffe	1559	908	636	22		3125
T124	Sunnybrook	946	490	326	42		1803
T125	Drewry	1096	581	344	18		2040
T126	Christie	1548	639	348	38	23	2596
T127	Davenport	1410	591	233	58		2293
T128	Brimley North	2703	759	875	175		4512
T129	McCowan North	5915	2470	1412	658	23	10478
T130	Middlefield	982	291	378	98		1749
T131	Nugget	3948	860	1302	428	20	6558
T132	Milner	1320	249	365	154		2088
T133	Neilson	3244	1212	901	325		5681
T134	Tapscott	1577	502	379	190		2647
T135	Gerrard	1842	600	392	22	19	2875

Transit Route Codes Continued

Route	Route Name	RTE 1	RTE 2	RTE 3	RTE 4	RTE 5	Total
T136	Wynford Premium Exp	196	19				215
T139	Huntingwood	1046	319	122			1487
T141	Mt.Pleasant Prem Ex	329					329
T142	Avenue Premium Exp	292	43				335
T143	Queen St Premium Ex	173					173
T144	Underhil Premium Ex	206	20				226
T160	Bathurst North	1446	753	297	58		2555
T161	Rogers Road	2605	984	190	106		3885
T162	Lawrence - Donway	144		20			164
T165	Weston Rd. North	3247	1857	596	107	18	5824
T168	Symington	2004	1159	440	20		3623
T171	Progress East	1555	601	516	306		2978
T191	Hwy 27 Premium Exp	1020	791	390	43		2244
T300	Bloor Danforth Blue Night	239	120	38			397
T301	Queen Blue Night	77					77
T302	Danforth Mccowan Blue Night	43		22			65
T303	Don Mills Blue Night		22	20			
T305	Eglinton East Lawrence Blue Night	39					39
T306	Carlton Blue Night			18			
T307	Eglinton West Blue Night	19	18				37
T308	Finch East Blue Night			18			
T309	Finch West Blue Night	18	44				62
T310	Bathurst Blue Night	63					63
T312	St Clair Blue Night		20	21			
T313	Jane Blue Night	82	20				102
T318	Warden Blue Night		19				
T319	Wilson Blue Night	22	44				66
T320	Yonge Blue Night	407	99				506
T321	York Mills Blue Night	56	42	39			137
T322	Coxwell Blue Night	42					42
T329	Dufferin Blue Night	44	20				63
T400	Lawrence Manor Community Bus	45					45
T403	Don Mills Community Bus	116					116
T498	Wheel Trans	2293	59				2352
T501	Queen SC	25348	7689	2116	365		35519
T502	Downtownner SC	1064	258	98	20		1439
T503	Kingston Tripper SC	1045	211	97			1353
T504	King SC	22746	9095	4057	553	65	36516
T505	Dundas SC	18576	6189	3507	236		28509
T506	Carlton SC	22772	7011	2327	431		32541
T508	Lakeshore SC	436	40	24			499
T510	Harbourfront LRT	1384	792	632	39		2847
T511	Bathurst SC	5596	3358	1902	239		11096
T512	St Clair SC	13111	8223	2718	136		24188
T595	Subway	389940	270708	20176	1164		681988
T597	Scarborough RT	3981	16485	3874	63		24402
T999	TTC Route Unknown	1187	62	18	18		1285
<u>Thorold</u>							
TH99	Thorold Transit	572					572
<u>Vaughan</u>							
VA01	Woodbridge	70			35		105
VA02	Pine Valley	193	20	22	20		254

Transit Route Codes Continued

Route	Route Name	RTE 1	RTE 2	RTE 3	RTE 4	RTE 5	Total
VA03	Islington Ave	104		23			128
VA04	Major Mackenzie	147	19	36			202
VA05	Clark	1364	482	183			2029
VA06	Ansley Grove	105	22	83			210
VA07	Martin Grove	634	40	35			709
VA98	Vaughan Access Bus	141		19			160
VA99	Vaughan Route Unknown	38					38
<u>Welland</u>							
WE98	Welland Handi-Trans	21					21
WE99	Welland Transit	1462	38				1500
<u>Whitby</u>							
WH01	Otter Creek/W Lynde	197	19	40			256
WH02	Brock/Timber/Hospit	253	59	96			409
WH03	Garden	374	97	39	20		529
WH04	Anderson	395	20	40			455
WH05	Thickson/Garrard	331	114	100			545
WH06	White Oaks/Oshawa C	639	182		20		841
WH08	Whitby Dial-A-Ride	56		19			75
WH09	Whitby Shuttle Service	82	20				102
WH97	Whitby School Special	558					558
WH99	Whitby Route Unknown	39					39
<u>Non Municipal</u>							
XB99	Charter (generic)	1239	18				1257
XG99	Grey Coach	275		19			295
XH99	Grey Hound	872	161	38			1071
XN99	Ontario Northland	58	36				95
XP99	Penetang Midland Coach Line	278	17				295
XR99	VIA Rail	446	78	19			544
XT97	Erindale School (U of T)	226	35				261
XT99	Private Bus (generic)	535	87	105			727
XU99	Burlington Airway Transit	99					99
XV99	Voyageur	49					49
XW99	Pacific Western	240	24	40			304
XZ99	Trentway-Wagar	376	61	15			451
Total		1421543	729412	179614	19896	1065	2351392

Control Totals For 1996 TTS Version 2.1, 1991 TTS Version 4.1 and 1986 TTS Version 3.1

Household Tabulations

The following tabulations are “number of households” stratified by various categories in the database. The “Number of Records” is the actual number of survey records in the Household file while the “Expanded Frequency” is the total after the expansion factors have been applied.

Exhibit 21: Household Tabulations

Variable: region_hhld (regional municipality of household)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	Metro	34370	7363	44643	820776	864534	908505	39.2%
2	Durham	4345	2949	7569	106046	136178	154288	6.7%
3	York	4560	4384	9058	106016	150450	178202	7.7%
4	Peel	7628	3962	13128	186762	229698	266543	11.5%
5	Halton	3942	1509	5865	90212	106424	118403	5.1%
6	Hamilton-Wentworth	6608	2116	8635	156265	168752	179080	7.7%
7	Fringe		2224			53522		
11	Niagara			8090			156563	6.8%
12	Waterloo			7495			148892	6.4%
13	Guelph			2114			36982	1.6%
14	Wellington			713			15709	0.7%
15	Orangeville			438			7788	0.3%
16	Barrie			1565			28560	1.2%
17	Simcoe			2012			40772	1.8%
18	Victoria			1271			26269	1.1%
19	City of Peterborough			1693			30379	1.3%
20	Peterborough County			543			14850	0.6%
98	Ext. (Northumberland)			361			5401	0.2%
	Total	61453	24507	115193	1466077	1709557	2317185	

Variable: pd_hhld (planning district of household)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	PD1-Metro	2425	1206	3934	64320	70487	78481	3.4%
2	PD2-Metro	2800	454	4112	73524	77756	82103	3.5%
3	PD3-Metro	3210	521	4229	80953	84890	88631	3.8%
4	PD4-Metro	3723	490	4610	87271	88645	92087	4.0%
5	PD5-Metro	1681	481	2104	40822	41838	43686	1.9%
6	PD6-Metro	3209	439	4301	79801	82750	86519	3.7%
7	PD7-Metro	794	253	1095	20608	22075	24061	1.0%
8	PD8-Metro	3040	361	3368	67996	67789	68930	3.0%
9	PD9-Metro	930	259	1308	23216	25370	27463	1.2%
10	PD10-Metro	1906	376	2204	47253	47105	48613	2.1%
11	PD11-Metro	2287	570	2747	47957	54395	56589	2.4%
12	PD12-Metro	1214	143	1396	26356	26515	26864	1.2%
13	PD13-Metro	2844	474	3533	63056	68886	72588	3.1%

Household Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
14	PD14-Metro	934	152	1175	21597	22310	23644	1.0%
15	PD15-Metro	879	330	1279	22829	23500	25034	1.1%
16	PD16-Metro	2494	854	3248	53217	60221	63211	2.7%
17	Brock	128	32	227	3447	3920	4172	0.2%
18	Uxbridge	134	233	211	3875	4730	5336	0.2%
19	Scugog	205	51	273	4994	5975	6461	0.3%
20	Pickering	658	508	1238	14603	20525	23503	1.0%
21	Ajax	508	572	1064	11568	18096	20956	0.9%
22	Whitby	633	502	1219	14630	19591	24038	1.0%
23	Oshawa	1652	389	2368	41971	46930	49716	2.1%
24	Clarington	427	662	969	10958	16411	20106	0.9%
25	Georgina	308	71	592	8662	10505	12335	0.5%
26	East Gwillimbury	192	112	345	4347	5570	6128	0.3%
27	Newmarket	523	151	916	10706	14175	18183	0.8%
28	Aurora	296	448	576	6660	9363	11164	0.5%
29	Richmond Hill	649	772	1578	14708	25544	31472	1.4%
30	Whit.-Stouff.	245	245	268	4880	6049	6622	0.3%
31	Markham	1411	1191	2645	33471	43651	49421	2.1%
32	King	184	36	241	4970	5745	5965	0.3%
33	Vaughan	752	1358	1897	17611	29848	36912	1.6%
34	Caledon	318	401	537	8922	10747	12672	0.5%
35	Brampton	2410	1490	3938	56954	70689	80974	3.5%
36	Mississauga	4900	2071	8653	120886	148262	172896	7.5%
37	Halton Hills	594	139	667	11299	12205	14349	0.6%
38	Milton	437	60	523	9685	10070	10502	0.5%
39	Oakville	1221	625	2213	28932	37899	43130	1.9%
40	Burlington	1690	685	2462	40296	46250	50422	2.2%
41	Flamborough	301	287	425	8474	9614	11220	0.5%
42	Dundas	351	41	461	6887	7750	8661	0.4%
43	Ancaster	259	187	365	5379	6865	7528	0.3%
44	Glanbrook	117	18	179	2976	3097	3489	0.2%
45	Stoney Creek	692	482	969	14007	16236	18188	0.8%
46	Hamilton	4888	1101	6236	118541	125189	129995	5.6%
47	Durham Fringe		423			12693		
48	York/Peel/Halton Fringe		1146			25980		
49	Hamilton-Wentworth Fringe		655			14849		
51	Grimsby			348			6845	0.3%
52	Lincoln			282			6444	0.3%
53	Pelham			202			5078	0.2%
54	Niagara-OTL			224			4787	0.2%
55	St Catharines			2964			52971	2.3%
56	Thorold			341			6636	0.3%
57	Niagara Falls			1528			30086	1.3%
58	Welland			964			19100	0.8%
59	Port Colbourne			385			7450	0.3%
60	Fort Erie			590			11393	0.5%
61	West Lincoln			158			3602	0.2%
62	Wainfleet			104			2172	0.1%
63	Waterloo			1659			30192	1.3%
64	Kitchener			3386			67725	2.9%
65	Cambridge			1695			35534	1.5%

Household Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
66	North Dumfries			109			2530	0.1%
67	Wilmot			261			4706	0.2%
68	Wellesley			120			2449	0.1%
69	Woolwich			265			5756	0.2%
70	City of Guelph			2114			36982	1.6%
71	Puslinch			36			1897	0.1%
72	Guelph Twp			15			320	0.0%
73	Pilkington			28			763	0.0%
74	Elora			88			1228	0.1%
75	Nichol			32			1315	0.1%
76	Fergus			215			3249	0.1%
77	West Garafraxa			29			1294	0.1%
78	Eramosa			125			2111	0.1%
79	Erin			145			3534	0.2%
80	Orangeville			438			7788	0.3%
81	Barrie			1565			28560	1.2%
82	Innisfil			438			8795	0.4%
83	Bradford-West Gwillimbury			262			6380	0.3%
84	Tecumseth			429			7941	0.3%
85	Adjala-Tosorontio			103			2997	0.1%
86	Essa			316			5375	0.2%
87	Clearview			231			4405	0.2%
88	Springwater			233			4879	0.2%
89	Lindsay			407			7175	0.3%
90	Ops			18			1486	0.1%
91	Manvers			169			1876	0.1%
92	Mariposa			115			2509	0.1%
93	Eldon			69			1416	0.1%
94	Carden			7			293	0.0%
96	LDL			18			754	0.0%
97	Somerville			42			925	0.0%
98	Bexley			11			461	0.0%
99	Fenelon			158			3576	0.2%
100	Verulam			66			1711	0.1%
101	Bobcageon			61			1275	0.1%
102	Emily			130			2812	0.1%
103	Peterborough			1693			30379	1.3%
104	Cavan			51			2327	0.1%
105	North Monaghan			3			57	0.0%
106	South Monnaghan			29			586	0.0%
107	Otonabee			29			1858	0.1%
108	Asphodel			65			1468	0.1%
109	Dummer			34			1092	0.0%
110	Douro			129			2214	0.1%
111	Smith			113			3634	0.2%
112	Ennismore			90			1615	0.1%
113	Northumberland			361			5401	0.2%
	Total	61453	24507	115193	1466077	1709557	2317185	

Household Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	

Variable: dwell_type (dwelling unit type)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	House	40922	18186	73434	966100	1140987	1469207	63.4%
2	Apartment	20489	6321	35003	499003	568570	713721	30.8%
3	Townhouse			6755			134237	5.8%
9	Unknown	42		1	974		20	0.0%
	Total	61453	24507	115193	1466077	1709557	2317185	

Variable: rec_mail (Receipt of advance letter)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown		598	6801		47282	136835	5.9%
N	No		8100	52100		568834	1051091	45.4%
Y	Yes		15809	56292		1093442	1129259	48.7%
	Total		24507	115193		1709557	2317185	

Variable: trip_day (Day of week trips were made)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	Monday	12073	4124	20936	287354	283795	420332	18.1%
2	Tuesday	11029	4564	22858	262924	330568	460114	19.9%
3	Wednesday	12100	4319	22339	289159	307262	449536	19.4%
4	Thursday	12945	6312	22791	309049	431829	459008	19.8%
5	Friday	13230	5008	26269	315774	339144	528196	22.8%
9	Unknown	76	180		1816	16960		
	Total	61453	24507	115193	1466077	1709557	2317185	

Variable: n_person (Total number of persons in the household)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	1	11597	3793	24519	282736	339211	495411	21.4%
2	2	18934	7196	35834	452051	536054	721063	31.1%
3	3	11604	4521	20581	275320	305909	413059	17.8%
4	4	12411	5576	21608	292411	325133	433680	18.7%
5	5	5044	2463	8917	119370	144862	178940	7.7%
6	6	1320	689	2740	31144	41435	54991	2.4%
7	7	386	180	671	9225	10739	13532	0.6%
8	8	109	66	210	2641	4402	4246	0.2%
9	9	29	23	113	692	1811	2263	0.1%
10	10	19			486			
	Total	61453	24507	115193	1466077	1709557	2317185	

Household Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	

Variable: n_vehicle (Total number of vehicles available to household for personal use)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	8813	2323	17419	217462	235894	354019	15.3%
1	1	26106	8761	47645	625369	702645	958585	41.4%
2	2	20421	10498	40395	479538	608210	808334	34.9%
3	3	4513	2279	7703	105818	128531	154981	6.7%
4	4	1169	484	1621	27527	25887	32810	1.4%
5	5	270	122	275	6453	6762	5649	0.2%
6	6	105	19	83	2551	447	1733	0.1%
7	7	35	13	29	872	686	613	0.0%
8	8	12	3	5	264	253	96	0.0%
9	9	9	1	5	222	23	104	0.0%
10	10		2	2		44	39	0.0%
11	11		1	2		152	39	0.0%
12	12			1			19	0.0%
13	13			1			19	0.0%
14	14		1			23		0.0%
15	15			1			23	0.0%
21	21			2			43	0.0%
30	30			1			18	0.0%
31	31			1			20	0.0%
32	32			1			20	0.0%
33	33			1			20	0.0%
	Total	61453	24507	115193	1466077	1709557	2317185	

Variable: n_hhld_trip (total number of trips made by household: 1986 data includes persons aged 6 and over, 1991 and 1996 data include persons aged 11 and over)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	5395	1642	11271	130637	144152	228831	9.9%
1	1	483	127	547	11744	11177	11100	0.5%
2	2	9653	3379	19495	233785	259045	394428	17.0%
3	3	2334	931	4906	56336	74616	99304	4.3%
4	4	10771	4320	21200	257683	304094	426444	18.4%
5	5	2757	1258	6008	65931	89282	120363	5.2%
6	6	7736	3172	14234	183839	213336	285836	12.3%
7	7	2508	1143	4586	59637	77317	91933	4.0%
8	8	5912	2342	9666	139952	155659	193719	8.4%
9	9	2033	923	3512	48149	61455	70413	3.0%
10	10	3529	1400	5635	83188	88463	112643	4.9%
11	11	1495	671	2314	35013	39976	46323	2.0%
12	12	1978	901	3229	46205	57750	64598	2.8%
13	13	869	417	1635	20398	27227	32592	1.4%
14	14	1042	481	1839	24530	28709	36796	1.6%
15	15	535	275	952	12543	16001	18938	0.8%
16	16	613	296	1145	14284	15814	22904	1.0%
17	17	315	163	609	7344	8562	12112	0.5%
18	18	344	187	624	8139	10325	12496	0.5%
19	19	197	114	373	4620	5764	7453	0.3%
20	20	211	88	306	4918	4254	6042	0.3%

Household Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
21	21	144	61	212	3326	3538	4216	0.2%
22	22	160	53	211	3720	2715	4181	0.2%
23	23	96	38	123	2198	2703	2414	0.1%
24	24	81	29	133	1880	2311	2626	0.1%
25	25	50	18	76	1181	1060	1500	0.1%
26	26	53	18	72	1197	1155	1463	0.1%
27	27	26	15	55	610	868	1057	0.0%
28	28	25	14	52	584	326	1050	0.0%
29	29	22	6	29	501	395	570	0.0%
30	30	15	5	37	360	123	724	0.0%
31	31	14	3	25	307	67	499	0.0%
32	32	8	3	21	185	398	390	0.0%
33	33	14	3	9	319	362	196	0.0%
34	34	8	3	12	204	70	229	0.0%
35	35	7	2	13	164	206	271	0.0%
36	36	4	1	5	93	22	101	0.0%
37	37	2	1	3	41	23	61	0.0%
38	38	2		3	47		60	0.0%
39	39	5	1	2	121	171	40	0.0%
40	40			3			56	0.0%
41	41		1	2		19	37	0.0%
42	42	1	2	2	20	46	34	0.0%
43	43			1			22	0.0%
44	44	2		1	55		18	0.0%
45	45			2			45	0.0%
46	46	1		2	19		40	0.0%
51	51	1			20			0.0%
55	55	1			22			0.0%
65	65			1			19	0.0%
70	70	1			28			0.0%
	Total	61453	24507	115193	1466077	1709557	2317185	

Variable: n_licence (number of persons in household having a driver's license)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	5432	1445	10374	133562	148637	211697	9.1%
1	1	18296	5641	34733	442907	482782	702131	30.3%
2	2	28335	13016	53426	669323	807831	1070261	46.2%
3	3	6587	2945	11828	154533	182055	236563	10.2%
4	4	2309	1175	3996	54165	70011	79964	3.5%
5	5	429	247	732	10054	16575	14537	0.6%
6	6	59	28	88	1390	1273	1724	0.1%
7	7	6	8	11	142	339	218	0.0%
8	8		2	4		55	76	0.0%
9	9			1			14	0.0%
	Total	61453	24507	115193	1466077	1709557	2317185	

Household Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	

Variable: n_emp_ft (number of full time workers in household)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	12350	5503	34186	296551	452755	688987	29.7%
1	1	24976	9825	43805	596672	667077	881635	38.0%
2	2	19748	7933	32515	468894	505790	652388	28.2%
3	3	3379	989	3849	80064	66846	77290	3.3%
4	4	842	219	720	20070	14192	14467	0.6%
5	5	133	31	101	3216	2567	2060	0.1%
6	6	21	5	13	514	273	272	0.0%
7	7	4		4	96		86	0.0%
8	8		2			58		0.0%
	Total	61453	24507	115193	1466077	1709557	2317185	

Variable: n_emp_pt (number of part time workers in household)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	50331	19368	90956	1202559	1374796	1831511	79.0%
1	1	9458	4404	20794	224161	286642	416676	18.0%
2	2	1427	609	3052	33804	40978	61231	2.6%
3	3	212	113	348	4986	6106	6940	0.3%
4	4	23	12	38	517	1014	736	0.0%
5	5	2	1	3	49	22	53	0.0%
6	6			1			16	0.0%
8	8			1			21	0.0%
	Total	61453	24507	115193	1466077	1709557	2317185	

Variable: n_emp_home (number of work-at-home persons in household)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	59495	22849	109357	1419262	1610644	2199380	94.9%
1	1	1710	1403	5036	40854	84494	101484	4.4%
2	2	227	229	748	5450	13104	15258	0.7%
3	3	18	21	43	442	1199	877	0.0%
4	4	3	5	7	69	117	146	0.0%
5	5			2			40	0.0%
	Total	61453	24507	115193	1466077	1709557	2317185	

Variable: n_student (number of students, full and part-time, in the household)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	39308	17679	69952	941806	1276163	1410657	60.9%
1	1	10732	4012	22455	254958	265395	450713	19.5%
2	2	8375	2235	15954	197778	132927	319171	13.8%
3	3	2452	494	5118	57704	29184	102655	4.4%
4	4	484	72	1340	11460	4288	26712	1.2%
5	5	84	13	282	1946	1413	5502	0.2%

Household Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
6	6	11	2	71	260	188	1365	0.1%
7	7	6		14	137		278	0.0%
8	8	1		7	28		131	0.0%
	Total	61453	24507	115193	1466077	1709557	2317185	

Person Tabulations

The following tabulations are “number of persons” stratified by various categories in the database. The “# Recs” figures present the actual number of survey records in the Person file while the “Freq” figures are the expanded results representing the universe.

Exhibit 22: Person Tabulations

Variable: region_hhld (regional municipality of person's home)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	Metro	89851	18533	113431	2135017	2214103	2305558	36.7%
2	Durham	13055	8994	22172	317886	402577	450354	7.2%
3	York	14847	14674	28930	344986	493399	567689	9.0%
4	Peel	23657	12845	40088	577032	709840	812512	12.9%
5	Halton	11638	4462	16290	264630	304920	328264	5.2%
6	Hamilton-Wentworth	18038	6308	22375	423398	444767	461990	7.4%
7	Fringe		6680			159586		
11	Niagara			20655			401715	6.4%
12	Waterloo			20259			402151	6.4%
13	Guelph			5419			94455	1.5%
14	Wellington			2023			45395	0.7%
15	Orangeville			1319			23452	0.4%
16	Barrie			4153			75326	1.2%
17	Simcoe			5900			120057	1.9%
18	Victoria			3301			68245	1.1%
19	City of Peterborough			4039			72454	1.2%
20	Peterborough County			1497			41611	0.7%
98	Ext. (Northumberland)			930			13913	0.2%
	Total	171086	72496	312781	4062949	4729193	6285143	

Variable: pd_hhld (planning district of person's home)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	PD1-Metro	4605	2255	7370	122009	130348	146644	2.3%
2	PD2-Metro	7111	1169	10054	188036	201113	199591	3.2%
3	PD3-Metro	8662	1371	11122	217718	227063	232683	3.7%
4	PD4-Metro	7943	1019	9648	183406	184809	192125	3.1%
5	PD5-Metro	4324	1074	5396	105031	105288	112235	1.8%
6	PD6-Metro	8020	1120	10308	199950	210831	207286	3.3%
7	PD7-Metro	2000	560	2509	51585	53236	55044	0.9%
8	PD8-Metro	7970	898	8707	178252	168803	177910	2.8%
9	PD9-Metro	2991	804	4043	74669	79044	84725	1.3%
10	PD10-Metro	5761	974	6561	142640	130912	144539	2.3%
11	PD11-Metro	5864	1298	6937	123004	131995	142836	2.3%
12	PD12-Metro	3550	408	4088	77070	75651	78665	1.3%
13	PD13-Metro	7949	1317	9631	175783	191982	197646	3.1%
14	PD14-Metro	2413	397	2913	56050	60361	58575	0.9%
15	PD15-Metro	2723	1086	3878	70298	78435	75577	1.2%
16	PD16-Metro	7965	2783	10266	169516	184232	199475	3.2%
17	Brock	376	80	622	10126	9800	11432	0.2%
18	Uxbridge	391	707	580	11308	14163	14668	0.2%

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
19	Scugog	644	164	798	15688	19214	18887	0.3%
20	Pickering	2122	1661	3915	47103	67721	74177	1.2%
21	Ajax	1579	1751	3285	35847	56920	64879	1.0%
22	Whitby	1945	1610	3660	44830	62073	72207	1.1%
23	Oshawa	4711	1084	6395	119938	123651	133507	2.1%
24	Clarington	1287	1937	2917	33047	49034	60597	1.0%
25	Georgina	891	202	1633	25076	29888	34019	0.5%
26	East Gwillimbury	615	357	1059	13924	18647	18826	0.3%
27	Newmarket	1657	505	2737	33919	44433	54198	0.9%
28	Aurora	880	1352	1794	19812	28187	34786	0.6%
29	Richmond Hill	1988	2393	4869	45244	78084	97400	1.5%
30	Whit.-Stouff.	735	727	774	14641	17950	19126	0.3%
31	Markham	4750	4001	8758	112420	145669	163484	2.6%
32	King	589	128	728	15909	20426	18018	0.3%
33	Vaughan	2742	5009	6578	64041	110115	127833	2.0%
34	Caledon	1035	1231	1616	28899	32991	38146	0.6%
35	Brampton	7631	5042	12454	180000	232265	255656	4.1%
36	Mississauga	14991	6572	26018	368133	444585	518710	8.3%
37	Halton Hills	1818	415	1828	34599	36738	39503	0.6%
38	Milton	1385	178	1541	30726	29874	30997	0.5%
39	Oakville	3586	1964	6364	84244	111643	123640	2.0%
40	Burlington	4849	1905	6557	115061	126665	134124	2.1%
41	Flamborough	935	860	1251	26307	29181	33106	0.5%
42	Dundas	958	97	1167	18797	18335	21955	0.3%
43	Ancaster	815	553	1136	16928	20094	23479	0.4%
44	Glanbrook	362	64	557	9209	11101	10856	0.2%
45	Stoney Creek	2112	1529	2781	42836	48410	52036	0.8%
46	Hamilton	12856	3205	15483	309322	317646	320559	5.1%
47	Durham Fringe		1207			35513		
48	York/Peel/Halton Fringe		3539			80229		
49	Hamilton-Wentworth Fringe		1934			43844		
51	Grimsby			992			19513	0.3%
52	Lincoln			809			18486	0.3%
53	Pelham			572			14380	0.2%
54	Niagara-OTL			541			11561	0.2%
55	St Catharines			7179			128658	2.0%
56	Thorold			938			18253	0.3%
57	Niagara Falls			3968			78084	1.2%
58	Welland			2410			47681	0.8%
59	Port Colbourne			968			18731	0.3%
60	Fort Erie			1425			27504	0.4%
61	West Lincoln			549			12517	0.2%
62	Wainfleet			304			6348	0.1%
63	Waterloo			4575			83591	1.3%
64	Kitchener			8801			175532	2.8%
65	Cambridge			4662			97512	1.6%
66	North Dumfries			328			7613	0.1%
67	Wilmot			722			13018	0.2%
68	Wellesley			419			8552	0.1%
69	Woolwich			752			16333	0.3%
70	City of Guelph			5419			94455	1.5%

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
71	Puslinch			99			5216	0.1%
72	Guelph Twp			44			940	0.0%
73	Pilkington			92			2507	0.0%
74	Elora			222			3097	0.0%
75	Nichol			106			4356	0.1%
76	Fergus			596			9006	0.1%
77	West Garafraxa			94			4194	0.1%
78	Eramosa			359			6064	0.1%
79	Erin			411			10016	0.2%
80	Orangeville +			1319			23452	0.4%
81	Barrie			4153			75326	1.2%
82	Innisfil			1234			24779	0.4%
83	Bradford-West Gwillimbury			847			20624	0.3%
84	Tecumseth			1218			22545	0.4%
85	Adjala-Tosorontio			306			8911	0.1%
86	Essa			922			15683	0.2%
87	Clearview			661			12605	0.2%
88	Springwater			712			14909	0.2%
89	Lindsay			977			17225	0.3%
90	Ops			54			4458	0.1%
91	Manvers			508			5639	0.1%
92	Mariposa			359			7833	0.1%
93	Eldon			171			3509	0.1%
94	Carden			19			796	0.0%
96	LDL			43			1801	0.0%
97	Somerville			112			2466	0.0%
98	Bexley			32			1340	0.0%
99	Fenelon			385			8713	0.1%
100	Verulam			159			4121	0.1%
101	Bobcageon			112			2341	0.0%
102	Emily			370			8003	0.1%
103	Peterborough			4039			72454	1.2%
104	Cavan			157			7164	0.1%
105	North Monaghan			8			152	0.0%
106	South Monnaghan			78			1576	0.0%
107	Otonabee			79			5062	0.1%
108	Asphodel			174			3929	0.1%
109	Dummer			92			2955	0.0%
110	Douro			345			5920	0.1%
111	Smith			333			10709	0.2%
112	Ennismore			231			4144	0.1%
113	Northumberland			930			13913	0.2%
	Total	171086	72496	312781	4062949	4729193	6285143	

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	

Variable: age (age of person in years)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	2000		2224	47377		45039	0.7%
1	1	1955	1915	4684	46241	111479	93984	1.5%
2	2	2546	1289	4870	60501	80290	97956	1.6%
3	3	2381	1236	4634	56443	68352	93196	1.5%
4	4	2304	1202	4679	54540	66160	94197	1.5%
5	5	2377	1136	4666	56241	62580	93503	1.5%
6	6	2178	1171	4478	51493	65093	90190	1.4%
7	7	2114	1161	4474	49902	62084	89984	1.4%
8	8	2061	1134	4485	48782	60022	89809	1.4%
9	9	2021	1055	4301	47647	61459	86433	1.4%
10	10	2260	1257	4746	53296	69262	95457	1.5%
11	11	2119	970	3949	49968	54308	79161	1.3%
12	12	2265	981	4252	53456	56547	85175	1.4%
13	13	2258	997	4194	53352	57423	84126	1.3%
14	14	2265	989	4072	53354	56316	82002	1.3%
15	15	2410	1012	4131	56887	58488	82886	1.3%
16	16	2674	984	4152	63021	59265	83428	1.3%
17	17	2458	968	3931	58304	57860	79177	1.3%
18	18	2623	1027	4018	62232	65734	80857	1.3%
19	19	2379	821	3514	56517	55662	70180	1.1%
20	20	2661	855	3926	63353	57893	77842	1.2%
21	21	2975	891	3916	71078	65484	77514	1.2%
22	22	2999	877	3738	71789	65819	74372	1.2%
23	23	3135	875	3926	75067	60279	78050	1.2%
24	24	3211	957	4015	77096	72675	80350	1.3%
25	25	3932	1200	5238	94228	90772	105061	1.7%
26	26	3352	1134	4412	80807	84779	88536	1.4%
27	27	3162	1280	4461	75759	88425	89813	1.4%
28	28	3408	1391	5164	82184	91274	104142	1.7%
29	29	3003	1267	4332	71696	87100	87332	1.4%
30	30	4377	1886	7285	104525	123509	146686	2.3%
31	31	2575	1289	4649	61895	84506	93526	1.5%
32	32	3093	1526	6135	74037	97912	123551	2.0%
33	33	2803	1366	5714	66597	81687	115195	1.8%
34	34	2720	1383	5657	64818	81564	113857	1.8%
35	35	4008	1895	8334	95342	114493	167437	2.7%
36	36	2780	1345	5673	65782	82570	114280	1.8%
37	37	2555	1266	4960	60559	76292	99602	1.6%
38	38	2809	1280	5436	66263	80263	109368	1.7%
39	39	2535	1155	4468	59783	68570	89466	1.4%
40	40	4427	1821	8597	104484	114733	172481	2.7%
41	41	1699	954	3721	39971	54462	74626	1.2%
42	42	2436	1232	5195	57999	74168	104411	1.7%
43	43	2221	1112	4549	52598	66610	91222	1.5%
44	44	1710	976	3472	40472	60490	69738	1.1%
45	45	3060	1550	7544	72405	99772	151241	2.4%
46	46	1701	827	3835	40224	52827	77031	1.2%
47	47	1639	840	3676	38703	51384	73614	1.2%

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
48	48	1721	849	4218	40599	53575	84558	1.3%
49	49	1444	630	3461	34085	43595	69598	1.1%
50	50	3546	1244	6635	84284	82163	132879	2.1%
51	51	1244	603	2430	29632	39514	48757	0.8%
52	52	1634	639	3266	38488	46027	65810	1.0%
53	53	1624	555	2838	38417	41299	57238	0.9%
54	54	1495	547	2505	35246	39461	50498	0.8%
55	55	2659	891	4461	62576	66835	89561	1.4%
56	56	1614	531	2496	38290	38883	50047	0.8%
57	57	1384	503	2171	32782	38391	43938	0.7%
58	58	1450	512	2372	34212	38890	48013	0.8%
59	59	1248	442	1925	29499	34218	38809	0.6%
60	60	2568	763	3974	60853	60051	79788	1.3%
61	61	1048	401	1674	24989	29708	33887	0.5%
62	62	1380	445	2123	32688	32632	42937	0.7%
63	63	1338	415	2239	31753	32865	45280	0.7%
64	64	1156	413	2020	27415	31453	40855	0.7%
65	65	2549	862	5211	60647	71797	105074	1.7%
66	66	1012	393	1876	24146	31730	37903	0.6%
67	67	974	458	2194	23091	36453	44461	0.7%
68	68	875	378	2054	20800	30087	41395	0.7%
69	69	639	285	1685	15127	25729	33986	0.5%
70	70	1423	568	3386	33875	47824	68183	1.1%
71	71	637	291	1421	15214	22437	28684	0.5%
72	72	802	262	1914	19019	22150	38599	0.6%
73	73	628	206	1573	14898	17777	31704	0.5%
74	74	539	191	1357	13019	16629	27337	0.4%
75	75	898	259	2254	21469	21768	45490	0.7%
76	76	531	162	1239	12627	12806	25027	0.4%
77	77	387	177	873	9234	14655	17511	0.3%
78	78	393	164	923	9434	13117	18550	0.3%
79	79	289	134	730	6864	11770	14633	0.2%
80	80	557	193	1312	13156	16191	26434	0.4%
81	81	216	103	539	5151	9436	10862	0.2%
82	82	266	103	738	6240	9723	14952	0.2%
83	83	181	97	543	4315	6977	10939	0.2%
84	84	186	77	466	4410	7371	9400	0.1%
85	85	193	91	519	4517	7191	10428	0.2%
86	86	143	51	368	3516	4210	7462	0.1%
87	87	96	27	265	2256	2358	5337	0.1%
88	88	76	37	259	1856	2397	5193	0.1%
89	89	50	24	178	1179	1778	3594	0.1%
90	90	66	36	226	1573	2810	4539	0.1%
91	91	30	21	95	724	2210	1939	0.0%
92	92	25	14	80	577	1499	1606	0.0%
93	93	28	9	59	666	1097	1190	0.0%
94	94	15	8	44	332	963	901	0.0%
95	95	12	5	46	275	528	970	0.0%
96	96	7	3	27	165	402	558	0.0%
97	97	16	5	19	393	115	377	0.0%
98	98		7	33		337	677	0.0%

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
99	99	1160	677	985	27307	46616	19710	0.3%
	Total	171086	72496	312781	4062949	4729193	6285143	

Variable: sex (gender of person)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown	201	184	157	4757	10474	3161	0.1%
F	Female	86958	36331	159605	2064542	2392520	3206214	51.0%
M	Male	83927	35981	153019	1993650	2326199	3075768	48.9%
	Total	171086	72496	312781	4062949	4729193	6285143	

Variable: driver_lic (possession of a driver's license)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown	165	41	30	3874	2981	591	0.0%
N	No	64417	25833	115392	1537657	1711379	2327066	37.0%
Y	Yes	106504	46622	197359	2521418	3014833	3957485	63.0%
	Total	171086	72496	312781	4062949	4729193	6285143	

Variable: tran_pass (possession of a transit pass)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown			442			8762	0.1%
C	Combo/Dual Pass			730			14500	0.2%
G	Go Transit Pass			1994			39573	0.6%
M	Metro Pass			10044			203909	3.2%
N	None			296394			5955459	94.8%
O	Other Agency Pass			3177			62939	1.0%
	Total			312781			6285143	

Variable: emp_sta (employment status)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown		86	118		6438	2352	0.0%
F	Full time	78796	29733	118652	1874765	1950681	2382959	37.9%
H	Work at home f-time	2230	1601	5221	53355	96887	105726	1.7%
J	Work at home p-time		370	1478		19546	29689	0.5%
N	Not employed	77010	34692	160667	1825788	2264701	3230672	51.4%
P	Part time	13050	6014	26645	309041	390942	533745	8.5%
	Total	171086	72496	312781	4062949	4729193	6285143	

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	

Variable: occupation (person's occupation type)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown			621			12418	0.2%
G	General Office			20345			408779	6.5%
M	Manufacturing			34862			706409	11.2%
O	Not Employed			160667			3230672	51.4%
P	Prof./Mngmt			60095			1199712	19.1%
S	Sales & Service			36191			727153	11.6%
	Total			312781			6285143	

Variable: pd_emp (planning district of person's usual place of work)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	Not Employed		34778	160667	2271138	3230672	51.4%	
1	PD1-Metro		5206	19968	417614	399061	6.4%	
2	PD2-Metro		441	2568	48443	51937	0.8%	
3	PD3-Metro		821	3482	71137	71309	1.1%	
4	PD4-Metro		1012	4629	96252	93068	1.5%	
5	PD5-Metro		915	3064	70157	61471	1.0%	
6	PD6-Metro		396	2267	42752	45543	0.7%	
7	PD7-Metro		291	1104	26499	22869	0.4%	
8	PD8-Metro		822	3727	74496	75763	1.2%	
9	PD9-Metro		849	2907	57259	59508	1.0%	
10	PD10-Metro		1400	4675	94385	96013	1.5%	
11	PD11-Metro		879	3140	64320	63140	1.0%	
12	PD12-Metro		528	1888	42221	37286	0.6%	
13	PD13-Metro		1225	4144	98371	82738	1.3%	
14	PD14-Metro		117	453	10877	9081	0.1%	
15	PD15-Metro		205	693	13400	13652	0.2%	
16	PD16-Metro		1096	3753	70673	74563	1.2%	
17	Brock		35	141	2632	2705	0.0%	
18	Uxbridge		136	178	5408	4154	0.1%	
19	Scugog		53	208	4477	4762	0.1%	
20	Pickering		525	1284	26089	25184	0.4%	
21	Ajax		344	963	15335	19203	0.3%	
22	Whitby		435	1265	21671	25492	0.4%	
23	Oshawa		936	2685	56965	55199	0.9%	
24	Clarington		386	627	11704	12854	0.2%	
25	Georgina		52	300	5930	6228	0.1%	
26	East Gwillimbury		61	184	2385	3527	0.1%	
27	Newmarket		341	1241	17284	24951	0.4%	
28	Aurora		340	560	10911	11098	0.2%	
29	Richmond Hill		684	1897	27543	37867	0.6%	
30	Whit.-Stouff.		189	290	6919	6386	0.1%	
31	Markham		1624	4839	84033	95715	1.5%	
32	King		81	198	4906	4401	0.1%	
33	Vaughan		1516	4239	64383	85601	1.4%	

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
34	Caledon		292	526	8463	11250	0.2%	
35	Brampton		1747	4715	89364	96701	1.5%	
36	Mississauga		3897	13962	249981	281325	4.5%	
37	Halton Hills		153	539	9667	11382	0.2%	
38	Milton		133	747	12399	15277	0.2%	
39	Oakville		687	2840	46906	56374	0.9%	
40	Burlington		863	2855	53864	58351	0.9%	
41	Flamborough		150	332	6046	7903	0.1%	
42	Dundas		60	318	3988	6466	0.1%	
43	Ancaster		110	279	5869	5711	0.1%	
44	Glanbrook		46	113	2588	2254	0.0%	
45	Stoney Creek		306	849	15187	16961	0.3%	
46	Hamilton		2234	6958	151429	141921	2.3%	
47	Durham Fringe		295		10049		0.0%	
48	York/Peel/Halton Fringe		934		25963		0.0%	
49	Hamilton-Wentworth Fringe		428		11337		0.0%	
51	Grimsby			276		5534	0.1%	
52	Lincoln			335		7059	0.1%	
53	Pelham			112		2505	0.0%	
54	Niagara-OTL			335		6599	0.1%	
55	St Catharines			3108		57899	0.9%	
56	Thorold			349		6711	0.1%	
57	Niagara Falls			1495		29199	0.5%	
58	Welland			942		18841	0.3%	
59	Port Colbourne			298		5855	0.1%	
60	Fort Erie			554		10741	0.2%	
61	West Lincoln			107		2313	0.0%	
62	Wainfleet			39		812	0.0%	
63	Waterloo			2225		42641	0.7%	
64	Kitchener			3912		77480	1.2%	
65	Cambridge			2098		43550	0.7%	
66	North Dumfries			138		2918	0.1%	
67	Wilmot			206		3831	0.1%	
68	Wellesley			126		2533	0.0%	
69	Woolwich			412		8524	0.1%	
70	City of Guelph			2539		46759	0.7%	
71	Puslinch			102		2514	0.0%	
72	Guelph Twp			43		828	0.0%	
73	Pilkington			24		553	0.0%	
74	Elora			60		1017	0.0%	
75	Nichol			33		911	0.0%	
76	Fergus			159		2821	0.0%	
77	West Garafraxa			13		565	0.0%	
78	Eramosa			69		1266	0.0%	
79	Erin			78		1796	0.0%	
80	Orangeville +			409		7614	0.1%	
81	Barrie			1647		30652	0.5%	
82	Innisfil			186		3659	0.1%	
83	Bradford-West Gwillimbury			162		3646	0.1%	
84	Tecumseth			459		8851	0.1%	
85	Adjala-Tosorontio			49		1245	0.0%	

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
86	Essa			266			4716	0.1%
87	Clearview			121			2344	0.0%
88	Springwater			145			2888	0.0%
89	Lindsay			434			8957	0.1%
90	Ops			30			921	0.0%
91	Manvers			51			652	0.0%
92	Mariposa			35			721	0.0%
93	Eldon			23			512	0.0%
94	Carden			2			62	0.0%
96	LDL			12			443	0.0%
97	Somerville			30			825	0.0%
98	Bexley			1			42	0.0%
99	Fenelon			82			1818	0.0%
100	Verulam			20			491	0.0%
101	Bobcageon			50			1113	0.0%
102	Emily			36			806	0.0%
103	Peterborough			1816			36775	0.6%
104	Cavan			53			1481	0.0%
105	North Monaghan			19			425	0.0%
106	South Monnaghan			12			252	0.0%
107	Otonabee			26			678	0.0%
108	Asphodel			37			822	0.0%
109	Dummer			13			403	0.0%
110	Douro			92			1864	0.0%
111	Smith			50			1294	0.0%
112	Ennismore			31			563	0.0%
113	Northumberland			397			6450	0.1%
114	Rest of Peterborough			27			544	0.0%
115	Hastings			6			117	0.0%
116	Haliburton			4			80	0.0%
117	Muskoka			15			291	0.0%
118	Rest of Simcoe			213			4171	0.1%
119	Dufferin			47			935	0.0%
120	Grey			23			445	0.0%
121	Rest of Wellington			15			269	0.0%
122	Perth			70			1345	0.0%
123	Oxford			55			1101	0.0%
124	Brant			172			3589	0.1%
125	Haldimand-Norfolk			82			1648	0.0%
888	No usual work place		1336	5112		81229	103194	1.6%
998	External			266			5251	0.1%
999	Unknown		106	430		6294	8724	0.1%
	Total		72496	312781		4729193	6285143	

Variable: region_emp (regional municipality of person's usual place of work)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	Not Employed		34778	160667		2271138	3230672	51.4%
1	Metro		16203	62462		1298855	1257004	20.0%
2	Durham		2850	7351		144282	149553	2.4%

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
3	York		4888	13748	224293	275774	4.4%	
4	Peel		5936	19203	347808	389276	6.2%	
5	Halton		1836	6981	122837	141383	2.3%	
6	Hamilton-Wentworth		2906	8849	185106	181216	2.9%	
7	Fringe		1657		47350			
11	Niagara			7950		154068	2.5%	
12	Waterloo			9117		181476	2.9%	
13	Guelph			2539		46759	0.7%	
14	Wellington			581		12273	0.2%	
15	Orangeville			409		7614	0.1%	
16	Barrie			1647		30652	0.5%	
17	Simcoe			1388		27348	0.4%	
18	Victoria			806		17364	0.3%	
19	City of Peterborough			1816		36775	0.6%	
20	Peterborough County			333		7781	0.1%	
88	No usual work place			5112		103194	1.6%	
98	Defined external areas		276	1392	11528	26237	0.4%	
99	Unknown		1166	430	75995	8724	0.1%	
	Total		72496	312781	4729193	6285143		

Variable: free_park (availability of free parking at person's usual place of work)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown		352	1304	28274	26406	0.4%	
N	No		8018	33440	618716	669282	10.6%	
O	Not Employed		34778	160667	2271138	3230672	51.4%	
Y	Yes		29348	117370	1811064	2358783	37.5%	
	Total		72496	312781	4729193	6285143		

Variable: no_work (whether a full time employed person who did not make a work trip had worked from home)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown			274		5460	0.1%	
N	No			14360		289166	4.6%	
O	Not applicable			295838		5943748	94.6%	
Y	Yes			2309		46768	0.7%	
	Total			312781		6285143		

Variable: stu_stat (student status)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown		49	68	3372	1387	0.0%	
O	Not a student	133776	53966	235646	3181012	3593390	4741191	75.4%
P	Student part time		2383	8574		170836	172255	2.7%
S	Student full time	37310	16098	68493	881937	961596	1370309	21.8%
	Total	171086	72496	312781	4062949	4729193	6285143	

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	

Variable: pd_sch (planning district of person's usual place of school)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	Not a student		54015	235646	3596762	4741191	75.4%	
1	PD1-Metro		1353	5429	112561	108267	1.7%	
2	PD2-Metro		191	1574	27320	31376	0.5%	
3	PD3-Metro		258	1845	36109	38567	0.6%	
4	PD4-Metro		335	2185	40039	43881	0.7%	
5	PD5-Metro		155	1141	17006	23404	0.4%	
6	PD6-Metro		229	1816	35698	36790	0.6%	
7	PD7-Metro		86	447	9344	9606	0.2%	
8	PD8-Metro		194	1705	27744	34889	0.6%	
9	PD9-Metro		328	1490	27373	31035	0.5%	
10	PD10-Metro		812	3204	63769	66516	1.1%	
11	PD11-Metro		305	1478	26991	30216	0.5%	
12	PD12-Metro		245	1218	21406	23994	0.4%	
13	PD13-Metro		416	2520	42787	51259	0.8%	
14	PD14-Metro		96	585	13344	11782	0.2%	
15	PD15-Metro		320	1000	21933	19582	0.3%	
16	PD16-Metro		561	1959	32889	38179	0.6%	
17	Brock		16	126	1653	2340	0.0%	
18	Uxbridge		150	132	3401	3305	0.1%	
19	Scugog		48	168	5336	3946	0.1%	
20	Pickering		354	846	14184	16019	0.3%	
21	Ajax		368	728	14097	14373	0.2%	
22	Whitby		320	886	12061	17492	0.3%	
23	Oshawa		374	1633	28931	33729	0.5%	
24	Clarington		345	599	8530	12489	0.2%	
25	Georgina		32	297	4735	6155	0.1%	
26	East Gwillimbury		49	144	2609	2573	0.0%	
27	Newmarket		188	734	12594	14402	0.2%	
28	Aurora		262	464	6075	9097	0.1%	
29	Richmond Hill		461	984	16210	19676	0.3%	
30	Whit.-Stouff.		118	157	2909	3738	0.1%	
31	Markham		922	1993	33178	37571	0.6%	
32	King		55	219	3412	4913	0.1%	
33	Vaughan		990	1348	23384	26191	0.4%	
34	Caledon		177	366	4977	8415	0.1%	
35	Brampton		1304	2884	55196	59094	0.9%	
36	Mississauga		1494	5514	92662	109528	1.7%	
37	Halton Hills		97	337	7317	7190	0.1%	
38	Milton		55	369	7999	7507	0.1%	
39	Oakville		522	1848	29378	36339	0.6%	
40	Burlington		423	1212	24762	24893	0.4%	
41	Flamborough		103	210	3754	5362	0.1%	
42	Dundas		39	197	3520	4032	0.1%	
43	Ancaster		100	259	4145	5370	0.1%	
44	Glanbrook		10	82	1492	1598	0.0%	
45	Stoney Creek		265	477	9118	8951	0.1%	
46	Hamilton		1165	4179	79904	85362	1.4%	
47	Durham Fringe		239		7112			
48	York/Peel/Halton Fringe		822		20825			
49	Hamilton-Wentworth Fringe		352		8683			
51	Grimsby			213		4245	0.1%	

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
52	Lincoln			166			3749	0.1%
53	Pelham			107			2576	0.0%
54	Niagara-OTL			78			1642	0.0%
55	St Catharines			1888			34756	0.6%
56	Thorold			156			3030	0.0%
57	Niagara Falls			773			15189	0.2%
58	Welland			807			15920	0.3%
59	Port Colbourne			196			3807	0.1%
60	Fort Erie			213			4105	0.1%
61	West Lincoln			136			3081	0.0%
62	Wainfleet			42			877	0.0%
63	Waterloo			2187			40265	0.6%
64	Kitchener			2003			39766	0.6%
65	Cambridge			1048			22012	0.4%
66	North Dumfries			46			1068	0.0%
67	Wilmot			160			2901	0.0%
68	Wellesley			70			1431	0.0%
69	Woolwich			172			3718	0.1%
70	City of Guelph			1630			28886	0.5%
71	Puslinch			12			371	0.0%
72	Guelph Twp			3			63	0.0%
73	Pilkington			9			245	0.0%
74	Elora			32			627	0.0%
75	Nichol			9			356	0.0%
76	Fergus			160			3034	0.0%
77	West Garafraxa			8			357	0.0%
78	Eramosa			45			760	0.0%
79	Erin			93			2259	0.0%
80	Orangeville +			297			5359	0.1%
81	Barrie			1170			21404	0.3%
82	Innisfil			170			3393	0.1%
83	Bradford-West Gwillimbury			204			4902	0.1%
84	Tecumseth			289			5635	0.1%
85	Adjala-Tosorontio			38			1087	0.0%
86	Essa			131			2238	0.0%
87	Clearview			114			2184	0.0%
88	Springwater			124			2592	0.0%
89	Lindsay			316			5885	0.1%
90	Ops			72			1766	0.0%
91	Manvers			84			1021	0.0%
92	Mariposa			62			1349	0.0%
93	Eldon			24			514	0.0%
94	Carden			2			84	0.0%
96	LDL			4			168	0.0%
97	Somerville			18			476	0.0%
98	Bexley			1			42	0.0%
99	Fenelon			81			1961	0.0%
100	Verulam			12			308	0.0%
101	Bobcageon			10			217	0.0%
102	Emily			47			1017	0.0%
103	Peterborough			1307			25215	0.4%
104	Cavan			20			831	0.0%
105	North Monaghan			50			1253	0.0%
106	South Monnaghan			7			192	0.0%

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
107	Otonabee			10			504	0.0%
108	Asphodel			37			874	0.0%
109	Dummer			7			210	0.0%
110	Douro			66			1365	0.0%
111	Smith			44			1327	0.0%
112	Ennismore			26			478	0.0%
113	Northumberland			188			2855	0.0%
115	Hastings			3			58	0.0%
118	Rest of Simcoe			33			623	0.0%
119	Rest of Dufferin			7			124	0.0%
120	Grey			2			37	0.0%
121	Rest of Wellington			1			45	0.0%
122	Perth			3			60	0.0%
123	Oxford			1			21	0.0%
124	Brant			43			871	0.0%
125	Haldimand-Norfolk			4			80	0.0%
888	No usual school			5			104	0.0%
998	External		348	411		20197	8283	0.1%
999	Unknown		30	140		1780	2850	0.0%
	Total		72496	312781		4729193	6285143	

Variable: region_sch (regional municipality of person's usual place of school)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	Not a student		54015	235646		3596762	4741191	75.4%
1	Metro		5884	29596		556314	599345	9.5%
2	Durham		1975	5118		88192	103693	1.6%
3	York		3077	6340		105105	124315	2.0%
4	Peel		2975	8764		152835	177036	2.8%
5	Halton		1097	3766		69455	75930	1.2%
6	Hamilton-Wentworth		1682	5404		101933	110675	1.8%
7	Fringe		1413			36620		
11	Niagara			4775			92976	1.5%
12	Waterloo			5686			111160	1.8%
13	Guelph			1630			28886	0.5%
14	Wellington			371			8073	0.1%
15	Orangeville			297			5359	0.1%
16	Barrie			1170			21404	0.3%
17	Simcoe			1070			22031	0.4%
18	Victoria			733			14807	0.2%
19	City of Peterborough			1307			25215	0.4%
20	Peterborough County			267			7034	0.1%
88	No usual school			5			104	0.0%
98	External		348	696		20197	13057	0.2%
99	Unknown		30	140		1780	2850	0.0%
	Total		72496	312781		4729193	6285141	

Person Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	

Variable: n_pers_trip (number of trips made by individual on trip day)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	43087	22587	98773	1026868	1434808	1990837	31.7%
1	1	2555	802	2830	61471	53543	56771	0.9%
2	2	78223	26407	120819	1859989	1771727	2427832	38.6%
3	3	11098	5049	21638	263815	350391	434932	6.9%
4	4	21946	10126	38719	517812	641739	775633	12.3%
5	5	5565	2780	11354	130888	180978	227091	3.6%
6	6	4304	2317	8853	101025	148704	176717	2.8%
7	7	1724	1014	3809	40598	64230	76310	1.2%
8	8	1091	675	2509	25625	41115	50111	0.8%
9	9	582	271	1323	13668	14901	26214	0.4%
10	10	385	196	855	8981	11708	17006	0.3%
11	11	215	107	470	4916	6396	9311	0.1%
12	12	123	66	302	2899	3912	5938	0.1%
13	13	58	40	192	1339	2318	3811	0.1%
14	14	50	26	126	1204	757	2511	0.0%
15	15	28	14	70	664	788	1384	0.0%
16	16	23	12	52	505	1010	996	0.0%
17	17	15	4	29	347	93	576	0.0%
18	18	2	1	20	54	23	393	0.0%
19	19	4		12	97	22	246	0.0%
20	20	2	1	6	40	32	119	0.0%
21	21	2	1	6	47		122	0.0%
22	22			3			61	0.0%
23	23	1		5	20		98	0.0%
24	24			2			41	0.0%
25	25	1		1	22		18	0.0%
26	26	1			28			0.0%
28	28			1			21	0.0%
30	30	1			26			0.0%
31	31			1			21	0.0%
57	57			1			19	0.0%
	Total	171086	72496	312781	4062949	4729193	6285143	

Variable: n_tran_trip (number of trips made by individual on trip day with primary mode being public transportation)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	142634	64923	277291	3378805	4044454	5568351	88.6%
1	1	4380	1251	5794	104984	101198	116323	1.9%
2	2	21364	5642	26321	513165	509056	531881	8.5%
3	3	1585	401	1974	38598	43132	40074	0.6%
4	4	947	244	1153	23093	27180	23450	0.4%
5	5	117	28	168	2884	3286	3443	0.1%
6	6	42	7	57	1001	886	1164	0.0%
7	7	9		16	221		316	0.0%
8	8	8		7	198		141	0.0%
	Total	171086	72496	312781	4062949	4729193	6285143	

Trip Tabulations

The following tabulations are “number of trips” stratified by various categories in the database. The “# Recs” figures present the actual number of survey records in the Trip file while the “Freq” figures are the expanded results representing the universe. Trips are collected for persons aged 6 and over in 1986 and for persons aged 11 and over in 1991 and 1996.

Exhibit 23: Trip Tabulations

Variable: region_hhld (regional municipality of household)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	Metro	185565	39159	223078	4388338	4668574	4522781	34.3%
2	Durham	29690	19882	47591	721964	910757	964095	7.3%
3	York	32915	32015	61599	763099	1076823	1206685	9.2%
4	Peel	52418	27818	83313	1277378	1566231	1684713	12.8%
5	Halton	29007	10475	37411	660198	714074	754629	5.7%
6	Hamilton-Wentworth	40653	13880	47321	949961	956534	972546	7.4%
7	Fringe		14120			338098		
11	Niagara			46385			899645	6.8%
12	Waterloo			49795			987872	7.5%
13	Guelph			12537			218372	1.7%
14	Wellington			4252			96610	0.7%
15	Orangeville			2819			50122	0.4%
16	Barrie			9263			168070	1.3%
17	Simcoe			11343			231231	1.8%
18	Victoria			6829			140919	1.1%
19	City of Peterborough			9385			168308	1.3%
20	Peterborough County			3242			91843	0.7%
98	Ext. (Northumberland)			1808			27048	0.2%
	Total	370248	157349	657971	8760939	10231090	13185489	

Variable: pd_hhld (planning district of household)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	PD1-Metro	9183	4909	14399	242969	278637	285779	2.2%
2	PD2-Metro	12992	2222	18860	342241	380873	373853	2.8%
3	PD3-Metro	16001	2603	19723	402169	435062	412184	3.1%
4	PD4-Metro	17265	2243	21659	397897	406785	430857	3.3%
5	PD5-Metro	9601	2532	11171	233157	245302	231712	1.8%
6	PD6-Metro	15801	2434	20497	393770	457850	411461	3.1%
7	PD7-Metro	4078	1145	5114	105118	109521	111869	0.8%
8	PD8-Metro	17606	2036	18482	393271	382093	377209	2.9%
9	PD9-Metro	6247	1498	7363	155950	154266	153975	1.2%
10	PD10-Metro	10924	1984	11176	270564	257936	246688	1.9%
11	PD11-Metro	12758	2795	14358	267424	283921	295054	2.2%
12	PD12-Metro	7890	940	8267	171292	174295	158778	1.2%
13	PD13-Metro	16775	2581	18178	370507	378861	372130	2.8%
14	PD14-Metro	5166	887	6083	120033	136808	122427	0.9%
15	PD15-Metro	5967	2471	7963	153395	177002	154728	1.2%
16	PD16-Metro	17311	5879	19785	368581	409362	384076	2.9%
17	Brock	738	170	1209	19874	20825	22221	0.2%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
18	Uxbridge	834	1457	1224	24119	29498	30955	0.2%
19	Scugog	1419	351	1637	34567	41123	38741	0.3%
20	Pickering	4702	3621	8630	104354	152699	163304	1.2%
21	Ajax	3587	3831	6861	81761	129790	135206	1.0%
22	Whitby	4566	3666	8047	105221	141675	158685	1.2%
23	Oshawa	11093	2552	13985	281227	288451	290584	2.2%
24	Clarington	2751	4234	5998	70841	106695	124399	0.9%
25	Georgina	1836	366	3158	51658	54153	65776	0.5%
26	East Gwillimbury	1399	863	2257	31673	42757	40215	0.3%
27	Newmarket	3809	1154	6184	77970	101795	122615	0.9%
28	Aurora	2037	3258	4097	45777	67788	79381	0.6%
29	Richmond Hill	4256	5311	10266	96473	174651	204712	1.6%
30	Whit.-Stouff.	1634	1653	1693	32549	40813	41834	0.3%
31	Markham	10909	8736	18992	257820	324404	353666	2.7%
32	King	1278	263	1550	34519	41970	38362	0.3%
33	Vaughan	5757	10411	13402	134659	228491	260124	2.0%
34	Caledon	2433	2698	3425	68039	72306	81067	0.6%
35	Brampton	17030	10784	25800	400660	493797	528906	4.0%
36	Mississauga	32955	14336	54088	808679	1000127	1074740	8.2%
37	Halton Hills	4261	972	4170	81243	78686	89644	0.7%
38	Milton	3419	481	3546	75804	80726	71341	0.5%
39	Oakville	9071	4364	14092	212738	253851	274468	2.1%
40	Burlington	12256	4658	15603	290413	300810	319177	2.4%
41	Flamborough	2186	1791	2757	61358	60997	73034	0.6%
42	Dundas	2318	245	2805	45500	46310	52622	0.4%
43	Ancaster	1954	1340	2559	40585	49472	52770	0.4%
44	Glanbrook	822	134	1117	20912	23129	21770	0.2%
45	Stoney Creek	5004	3427	5960	101595	112894	111575	0.8%
46	Hamilton	28369	6943	32123	680012	663732	660776	5.0%
47	Durham Fringe		2501			74696		
48	York/Peel/Halton Fringe		7468			169300		
49	Hamilton-Wentworth Fringe		4151			94103		
51	Grimsby			2122			41740	0.3%
52	Lincoln			1779			40650	0.3%
53	Pelham			1343			33763	0.3%
54	Niagara-OTL			1210			25858	0.2%
55	St Catharines			16923			302917	2.3%
56	Thorold			2135			41547	0.3%
57	Niagara Falls			8664			170595	1.3%
58	Welland			5466			107624	0.8%
59	Port Colbourne			1982			38352	0.3%
60	Fort Erie			3061			59093	0.4%
61	West Lincoln			1047			23872	0.2%
62	Wainfleet			653			13635	0.1%
63	Waterloo			11326			207399	1.6%
64	Kitchener			22129			440922	3.3%
65	Cambridge			11335			236875	1.8%
66	North Dumfries			746			17315	0.1%
67	Wilmot			1669			30092	0.2%
68	Wellesley			752			15348	0.1%
69	Woolwich			1838			39921	0.3%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
70	City of Guelph			12537			218372	1.7%
71	Puslinch			242			12751	0.1%
72	Guelph Twp			133			2891	0.0%
73	Pilkington			193			5259	0.0%
74	Elora			444			6194	0.0%
75	Nichol			234			9615	0.1%
76	Fergus			1218			18404	0.1%
77	West Garafraxa			187			8344	0.1%
78	Eramosa			784			13242	0.1%
79	Erin			817			19910	0.2%
80	Orangeville +			2819			50122	0.4%
81	Barrie			9263			168070	1.3%
82	Innisfil			2265			45481	0.3%
83	Bradford-West Gwillimbury			1635			39812	0.3%
84	Tecumseth			2271			42036	0.3%
85	Adjala-Tosorontio			608			17699	0.1%
86	Essa			1775			30193	0.2%
87	Clearview			1279			24391	0.2%
88	Springwater			1510			31619	0.2%
89	Lindsay			2302			40584	0.3%
90	Ops			108			8916	0.1%
91	Manvers			904			10034	0.1%
92	Mariposa			714			15579	0.1%
93	Eldon			290			5951	0.0%
94	Carden			27			1131	0.0%
96	LDL			71			2974	0.0%
97	Somerville			236			5197	0.0%
98	Bexley			76			3184	0.0%
99	Fenelon			814			18421	0.1%
100	Verulam			300			7776	0.1%
101	Bobcageon			243			5079	0.0%
102	Emily			744			16093	0.1%
103	Peterborough			9385			168308	1.3%
104	Cavan			326			14875	0.1%
105	North Monaghan			23			437	0.0%
106	South Monnaghan			169			3415	0.0%
107	Otonabee			204			13070	0.1%
108	Asphodel			364			8219	0.1%
109	Dummer			230			7388	0.1%
110	Douro			690			11840	0.1%
111	Smith			733			23573	0.2%
112	Ennismore			503			9024	0.1%
113	Northumberland			1808			27048	0.2%
	Total	370248	157349	657971	8760939	10231090	13185489	

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	

Variable: dwell_type (dwelling unit type of person's home)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	House	284508	130247	480031	6681368	7834957	9581563	72.7%
2	Apartment	85533	27102	136463	2074787	2396133	2779305	21.1%
3	Townhouse			41473			824542	6.3%
9	Unknown	207		4	4783		79	0.0%
	Total	370248	157349	657971	8760939	10231090	13185489	

Variable: trip_day (day of week trip data was collected)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	Monday	70024	25518	116488	1653287	1633270	2329096	17.7%
2	Tuesday	65297	28923	128478	1545050	1974747	2574096	19.5%
3	Wednesday	73759	28128	127170	1746805	1857219	2548154	19.3%
4	Thursday	77905	41158	131104	1846497	2660534	2629501	19.9%
5	Friday	82756	32631	154731	1957318	2015756	3104642	23.5%
9	Unknown	507	991		11981	89565		0.0%
	Total	370248	157349	657971	8760939	10231090	13185489	

Variable: purp_orig (origin purpose of trip)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown	3947	7	22	94587	314	433	0.0%
D	Day care		1031	3424		54767	68355	0.5%
E	Entertainment	25715			606112			
F	Serve passenger	15413	6923	34868	362392	427908	695391	5.3%
H	Home	161273	66998	279417	3817745	4368833	5599835	42.5%
L	Linked trip		37			1850		
M	Marketing/Shopping	26682		55494	627041		1111621	8.4%
O	Other	737	37186	99843	17243	2466519	2003278	15.2%
P	Personal	23892			565822			
S	School	32832	10445	45041	776229	654844	899468	6.8%
W	Work	79757	34722	139862	1893768	2256056	2807108	21.3%
	Total	370248	157349	657971	8760939	10231090	13185489	

Variable: pd_orig (planning district of origin)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	PD1-Metro	29305	10331	39504	715424	813360	789995	6.0%
2	PD2-Metro	10733	2174	15324	276850	305572	306375	2.3%
3	PD3-Metro	14582	3021	17374	360009	374081	360300	2.7%
4	PD4-Metro	16789	3187	20556	390710	400416	411372	3.1%
5	PD5-Metro	9263	2713	11173	219964	236674	227808	1.7%
6	PD6-Metro	12320	2200	15781	304340	339419	317138	2.4%
7	PD7-Metro	3755	993	4300	94718	94475	91889	0.7%
8	PD8-Metro	15808	2771	18590	363001	363421	379539	2.9%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	PD9-Metro	7740	2266	9410	189116	184372	194783	1.5%
10	PD10-Metro	12215	3490	14673	296756	309925	310748	2.4%
11	PD11-Metro	12096	3731	14750	263619	311272	299879	2.3%
12	PD12-Metro	7039	1528	8048	156147	168218	156829	1.2%
13	PD13-Metro	17917	3998	20047	405222	424471	405574	3.1%
14	PD14-Metro	3859	814	4354	90482	103969	87670	0.7%
15	PD15-Metro	4674	1897	5991	117342	131968	117120	0.9%
16	PD16-Metro	13990	5414	17964	303464	358733	351435	2.7%
17	Brock	578	202	944	15568	19362	17682	0.1%
18	Uxbridge	732	1106	1082	20350	29450	26365	0.2%
19	Scugog	1096	365	1418	26775	32250	32753	0.2%
20	Pickering	4193	3169	7752	94448	143965	148395	1.1%
21	Ajax	3166	2907	5887	72857	114035	116351	0.9%
22	Whitby	4054	2995	7395	95064	127627	146993	1.1%
23	Oshawa	11177	3615	14151	281370	281613	292607	2.2%
24	Clarington	2327	2985	4487	59307	80932	92806	0.7%
25	Georgina	1449	285	2274	40277	36040	47156	0.4%
26	East Gwillimbury	848	531	1381	19266	26819	25232	0.2%
27	Newmarket	3728	1771	6785	79070	108840	134954	1.0%
28	Aurora	1799	2406	3455	40599	61469	67669	0.5%
29	Richmond Hill	3991	4379	9487	91058	156543	188637	1.4%
30	Whit.-Stouff.	1288	1262	1483	26866	33576	34787	0.3%
31	Markham	10874	7798	19800	254057	335831	378658	2.9%
32	King	935	346	1294	24357	27246	29893	0.2%
33	Vaughan	6338	8118	14183	148200	240833	280503	2.1%
34	Caledon	1814	1878	2808	49083	53240	63584	0.5%
35	Brampton	15638	9667	23514	368781	454663	482148	3.7%
36	Mississauga	32150	14734	54702	781320	999189	1091687	8.3%
37	Halton Hills	3569	952	3511	69228	64156	74618	0.6%
38	Milton	2968	547	3370	65970	73032	68422	0.5%
39	Oakville	8807	3954	13949	207390	246362	273765	2.1%
40	Burlington	11530	4516	15170	273717	288400	310817	2.4%
41	Flamborough	1583	1146	2042	42970	44208	50909	0.4%
42	Dundas	1970	331	2243	41062	37225	44212	0.3%
43	Ancaster	1542	911	2165	32924	38667	44457	0.3%
44	Glanbrook	537	137	742	13259	13528	14621	0.1%
45	Stoney Creek	3904	2380	4807	82012	89965	92097	0.7%
46	Hamilton	29671	8790	33607	703196	692471	687727	5.2%
47	Durham Fringe		2073			67874		
48	York/Peel/Halton Fringe		6169			153812		
49	Hamilton-Wentworth Fringe		3111			78071		
51	Grimsby			1789			35735	0.3%
52	Lincoln			1544			33999	0.3%
53	Pelham			985			23610	0.2%
54	Niagara-OTL			1217			25069	0.2%
55	St Catharines			17751			325115	2.5%
56	Thorold			1705			33016	0.3%
57	Niagara Falls			8346			164163	1.2%
58	Welland			5745			114108	0.9%
59	Port Colbourne			1900			36948	0.3%
60	Fort Erie			2745			53047	0.4%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
61	West Lincoln			753			16889	0.1%
62	Wainfleet			379			7920	0.1%
63	Waterloo			12017			224790	1.7%
64	Kitchener			21586			428372	3.2%
65	Cambridge			11046			231253	1.8%
66	North Dumfries			574			12858	0.1%
67	Wilmot			1275			23331	0.2%
68	Wellesley			556			11254	0.1%
69	Woolwich			1795			37818	0.3%
70	City of Guelph			12737			228669	1.7%
71	Puslinch			280			9588	0.1%
72	Guelph Twp			134			2795	0.0%
73	Pilkington			100			2558	0.0%
74	Elora			351			5907	0.0%
75	Nichol			120			4418	0.0%
76	Fergus			1085			18826	0.1%
77	West Garafraxa			94			4032	0.0%
78	Eramosa			485			8443	0.1%
79	Erin			628			15003	0.1%
80	Orangeville +			2443			44672	0.3%
81	Barrie			9761			179743	1.4%
82	Innisfil			1468			29225	0.2%
83	Bradford-West Gwillimbury			1291			30507	0.2%
84	Tecumseth			2036			39159	0.3%
85	Adjala-Tosorontio			350			9567	0.1%
86	Essa			1250			21622	0.2%
87	Clearview			853			16346	0.1%
88	Springwater			997			20513	0.2%
89	Lindsay			2673			51832	0.4%
90	Ops			203			7200	0.1%
91	Manvers			518			6037	0.0%
92	Mariposa			423			9127	0.1%
93	Eldon			195			4075	0.0%
94	Carden			15			581	0.0%
95	Dalton			1			16	0.0%
96	LDL			56			2126	0.0%
97	Somerville			193			4931	0.0%
98	Bexley			39			1558	0.0%
99	Fenelon			667			15153	0.1%
100	Verulam			165			4125	0.0%
101	Bobcageon			260			5656	0.0%
102	Emily			416			9118	0.1%
103	Peterborough			10242			197614	1.5%
104	Cavan			229			8314	0.1%
105	North Monaghan			104			2385	0.0%
106	South Monnaghan			100			2142	0.0%
107	Otonabee			151			6960	0.1%
108	Asphodel			263			6117	0.0%
109	Dummer			132			4098	0.0%
110	Douro			541			10479	0.1%
111	Smith			463			13193	0.1%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
112	Ennismore			276			5080	0.0%
113	Northumberland			1780			28064	0.2%
114	Rest of Peterborough			94			2135	0.0%
115	Hastings			56			1101	0.0%
116	Haliburton			40			856	0.0%
117	Muskoka			112			2221	0.0%
118	Rest of Simcoe			780			15163	0.1%
119	Dufferin			154			3133	0.0%
120	Grey			116			2315	0.0%
121	Rest of Wellington			65			1330	0.0%
122	Perth			197			3897	0.0%
123	Oxford			137			2697	0.0%
124	Brant			461			9832	0.1%
125	Haldimand-Norfolk			313			6429	0.0%
998	External	2099	1285	1443	49585	59453	28552	0.2%
999	Unknown	1808			43788			
	Total	370248	157349	657971	8760939	10231090	13185489	

Variable: region_orig (regional municipality of trip origin)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	Metro	192085	50528	237839	4547163	4920345	4808453	36.5%
2	Durham	27323	17344	43116	665740	829233	873952	6.6%
3	York	31250	26896	60142	723750	1027197	1187489	9.0%
4	Peel	49602	26279	81024	1199184	1507093	1637419	12.4%
5	Halton	26874	9969	36000	616305	671950	727622	5.5%
6	Hamilton-Wentworth	39207	13695	45606	915423	916064	934022	7.1%
7	Fringe		11353			299757		
11	Niagara			44859			869620	6.6%
12	Waterloo			48849			969676	7.4%
13	Guelph			12737			228669	1.7%
14	Wellington			3277			71569	0.5%
15	Orangeville			2443			44672	0.3%
16	Barrie			9761			179743	1.4%
17	Simcoe			8245			166939	1.3%
18	Victoria			5824			121536	0.9%
19	City of Peterborough			10242			197614	1.5%
20	Peterborough County			2259			58769	0.4%
98	External	2099	1285	5748	49585	59453	107725	0.8%
99	Unknown	1808			43788			
	Total	370248	157349	657971	8760939	10231090	13185489	

Variable: start_time (start time of trip; trips are recorded for a 24 hour period starting at 4:00 a.m. grouped in 5 minute increments.)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
400		128	107	617	3058	6368	12648	0.1%
405		0	28	44	0	1535	874	0.0%
410		1	20	32	22	1033	626	0.0%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
415		12	7	54	279	348	1071	0.0%
420		5	1	11	132	27	213	0.0%
425		2	1	4	40	23	86	0.0%
430		157	118	468	3860	7281	9478	0.1%
435		2	0	3	44	0	59	0.0%
440		3	3	6	67	70	128	0.0%
445		42	28	146	1011	1607	2912	0.0%
450		18	12	29	462	433	577	0.0%
455		2	1	13	55	23	276	0.0%
500		504	291	1430	12194	17335	28890	0.2%
505		3	1	23	81	23	461	0.0%
510		16	11	62	385	681	1228	0.0%
515		96	61	265	2292	4293	5290	0.0%
520		49	20	106	1140	1447	2149	0.0%
525		9	0	22	216	0	447	0.0%
530		1013	565	2582	24351	34463	52081	0.4%
535		31	10	35	743	715	712	0.0%
540		77	33	130	1880	2155	2638	0.0%
545		391	202	859	9388	13085	17324	0.1%
550		154	84	250	3675	4808	4987	0.0%
555		54	27	80	1343	1324	1624	0.0%
600		3082	1455	6425	74201	90645	129663	1.0%
605		68	24	106	1610	2007	2125	0.0%
610		282	104	405	6771	6747	8216	0.1%
615		956	379	1502	22758	22990	30280	0.2%
620		435	201	600	10291	12483	12123	0.1%
625		122	39	149	2977	2363	2969	0.0%
630		5232	2207	8563	124649	136121	172767	1.3%
635		93	43	135	2221	2437	2844	0.0%
640		554	185	581	13167	11624	11648	0.1%
645		2072	828	2923	49430	51195	58821	0.4%
650		675	240	828	16038	15478	16473	0.1%
655		223	74	219	5320	4368	4386	0.0%
700		8592	3684	15322	203888	233471	308638	2.3%
705		262	75	247	6203	4614	5011	0.0%
710		858	270	987	20212	18120	19859	0.2%
715		2594	1039	3596	61079	63797	71990	0.5%
720		974	365	1313	23098	23035	26463	0.2%
725		294	99	351	6983	6103	7043	0.1%
730		10231	4295	17353	242712	281702	349266	2.6%
735		281	99	473	6645	5614	9450	0.1%
740		966	396	1508	22768	27087	29965	0.2%
745		3922	1799	6442	92704	111714	128798	1.0%
750		1271	514	2045	30054	27261	40946	0.3%
755		428	193	719	9986	11167	14417	0.1%
800		14391	6720	29563	340832	435150	591965	4.5%
805		444	180	762	10573	10212	15078	0.1%
810		1387	563	2344	32843	33722	47090	0.4%
815		4157	1793	6864	98315	112283	137391	1.0%
820		1489	607	2647	35174	37478	52900	0.4%
825		454	183	817	10822	10636	16283	0.1%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
830		12506	5031	21250	296257	329183	424547	3.2%
835		329	182	824	7744	12630	16310	0.1%
840		1057	383	1793	24855	22249	35698	0.3%
845		2847	1261	4960	67328	87266	98970	0.8%
850		780	297	1291	18404	16374	25629	0.2%
855		270	114	446	6356	7735	8816	0.1%
900		6431	3225	14499	152181	214578	290348	2.2%
905		138	49	275	3253	4213	5478	0.0%
910		296	98	543	6995	6709	10911	0.1%
915		856	384	1632	20085	26946	32492	0.2%
920		188	79	390	4543	4351	7742	0.1%
925		60	20	93	1387	945	1857	0.0%
930		3419	1521	6947	80666	98011	139167	1.1%
935		43	28	121	1046	1792	2388	0.0%
940		128	35	269	3036	2578	5408	0.0%
945		691	297	1383	16284	21680	27535	0.2%
950		135	52	249	3188	3235	4950	0.0%
955		38	8	69	877	340	1385	0.0%
1000		5634	2840	13014	132992	193670	260738	2.0%
1005		60	16	102	1428	762	2032	0.0%
1010		140	52	246	3369	3511	4865	0.0%
1015		602	273	1163	14208	19615	23181	0.2%
1020		182	54	305	4270	4581	6076	0.0%
1025		34	16	72	780	1107	1446	0.0%
1030		3395	1501	7015	80175	105468	140719	1.1%
1035		52	15	74	1191	769	1453	0.0%
1040		121	39	254	2858	1906	5073	0.0%
1045		647	271	1247	15070	17800	25000	0.2%
1050		140	37	192	3322	3571	3819	0.0%
1055		58	21	52	1401	1359	1015	0.0%
1100		4962	2590	11963	117126	172397	240002	1.8%
1105		63	27	112	1457	1919	2246	0.0%
1110		160	70	312	3740	3297	6259	0.0%
1115		703	347	1487	16481	22022	29755	0.2%
1120		226	93	530	5284	6523	10559	0.1%
1125		84	25	150	1941	1176	2958	0.0%
1130		3355	1651	7579	78911	110963	151827	1.2%
1135		112	49	246	2616	3681	4850	0.0%
1140		201	93	434	4753	5693	8688	0.1%
1145		1074	512	2118	25307	31790	42101	0.3%
1150		243	111	431	5739	7638	8599	0.1%
1155		99	56	173	2354	3894	3435	0.0%
1200		6175	3336	14309	146048	224291	286518	2.2%
1205		126	75	271	2941	4739	5304	0.0%
1210		219	89	421	5171	5865	8384	0.1%
1215		766	331	1485	18042	22177	29504	0.2%
1220		184	105	426	4382	6304	8532	0.1%
1225		38	27	112	892	1480	2220	0.0%
1230		3319	1646	7234	78187	107809	144824	1.1%
1235		76	57	194	1774	3197	3819	0.0%
1240		193	133	366	4557	8694	7302	0.1%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1245		926	487	1783	21792	33128	35445	0.3%
1250		317	143	463	7370	9453	9228	0.1%
1255		119	55	193	2776	2984	3976	0.0%
1300		6147	3178	13724	145338	212971	275095	2.1%
1305		85	45	177	2012	2984	3598	0.0%
1310		221	104	359	5157	7773	7155	0.1%
1315		721	378	1385	16957	26056	27689	0.2%
1320		220	91	444	5083	7321	8826	0.1%
1325		30	19	87	717	1042	1744	0.0%
1330		3335	1587	7304	78529	106818	146592	1.1%
1335		46	29	133	1065	3035	2695	0.0%
1340		135	69	275	3093	5482	5474	0.0%
1345		636	311	1243	15072	19233	24791	0.2%
1350		145	57	281	3440	3411	5635	0.0%
1355		31	13	77	707	854	1547	0.0%
1400		6004	3018	14210	141810	206390	284646	2.2%
1405		58	30	103	1362	2378	2057	0.0%
1410		148	67	316	3483	4252	6299	0.0%
1415		667	297	1480	15603	17920	29538	0.2%
1420		210	74	470	5032	4511	9417	0.1%
1425		54	18	101	1237	1823	2016	0.0%
1430		4118	2022	10232	97245	135005	204687	1.6%
1435		52	39	233	1224	2460	4618	0.0%
1440		178	81	580	4204	5097	11653	0.1%
1445		926	487	2455	21883	30197	49106	0.4%
1450		189	130	641	4444	9622	12858	0.1%
1455		51	31	240	1188	2199	4808	0.0%
1500		8815	4414	22004	209179	291792	441734	3.4%
1505		145	111	568	3450	6022	11369	0.1%
1510		585	260	1457	13898	15685	29170	0.2%
1515		2319	1192	5081	54569	72332	102110	0.8%
1520		840	390	1751	19484	23152	35146	0.3%
1525		228	111	517	5427	6828	10333	0.1%
1530		12895	6068	23173	305158	386314	465319	3.5%
1535		322	153	686	7572	9232	13690	0.1%
1540		661	278	1211	15567	14950	24249	0.2%
1545		2543	1054	4344	59745	66762	87242	0.7%
1550		436	164	788	10287	10118	15690	0.1%
1555		125	67	221	2933	4014	4412	0.0%
1600		15560	6464	26222	368900	424294	526506	4.0%
1605		252	71	327	6030	4610	6557	0.0%
1610		543	225	801	12824	12990	16210	0.1%
1615		2078	844	3138	49191	54714	62581	0.5%
1620		520	221	836	12336	11386	16697	0.1%
1625		119	56	177	2760	2918	3549	0.0%
1630		13397	5327	19583	317707	340418	392744	3.0%
1635		258	95	438	6246	6034	8756	0.1%
1640		480	171	584	11546	8086	11719	0.1%
1645		2348	982	3685	55484	61786	73351	0.6%
1650		465	201	692	11118	11753	13826	0.1%
1655		142	66	223	3379	4152	4427	0.0%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1700		16626	7468	30188	394119	492293	606555	4.6%
1705		302	114	424	7181	6401	8559	0.1%
1710		630	250	1036	14861	14119	20714	0.2%
1715		2222	969	3596	52575	65583	72068	0.5%
1720		561	245	964	13345	14895	19186	0.1%
1725		137	55	230	3185	4341	4594	0.0%
1730		9490	4313	17294	224781	277066	346438	2.6%
1735		173	65	342	4082	5139	6866	0.1%
1740		341	132	630	8020	8776	12536	0.1%
1745		1749	842	3369	41385	54404	67335	0.5%
1750		537	154	664	12835	9348	13256	0.1%
1755		114	49	232	2644	2704	4621	0.0%
1800		11677	5187	22832	276703	342846	456994	3.5%
1805		222	76	281	5270	3540	5653	0.0%
1810		448	175	782	10510	11469	15563	0.1%
1815		1632	761	3028	38714	45241	60256	0.5%
1820		434	180	769	10178	11577	15334	0.1%
1825		80	50	179	1885	3226	3515	0.0%
1830		7472	3435	13813	177180	219663	276154	2.1%
1835		143	54	281	3366	2986	5579	0.0%
1840		390	128	563	9096	8629	11230	0.1%
1845		1642	817	2968	38645	54993	59399	0.5%
1850		363	165	586	8596	11872	11571	0.1%
1855		108	54	208	2557	3646	4124	0.0%
1900		9122	4497	18297	216071	294824	366775	2.8%
1905		150	51	241	3455	2507	4873	0.0%
1910		372	170	607	8704	9186	12011	0.1%
1915		1436	661	2387	33868	42068	47476	0.4%
1920		400	167	647	9494	11309	12749	0.1%
1925		89	25	150	2037	1562	2990	0.0%
1930		6206	2932	10773	146240	192565	215652	1.6%
1935		105	59	229	2488	4461	4549	0.0%
1940		270	115	397	6453	7388	7912	0.1%
1945		1184	493	2144	27781	32312	42855	0.3%
1950		244	86	415	5748	4999	8235	0.1%
1955		60	28	136	1421	1397	2701	0.0%
2000		6670	2867	12191	157489	179453	244554	1.9%
2005		107	48	233	2474	2968	4583	0.0%
2010		249	125	460	5863	7143	9165	0.1%
2015		904	380	1688	21533	23299	33568	0.3%
2020		214	90	470	4991	4091	9402	0.1%
2025		60	24	107	1387	1227	2073	0.0%
2030		4383	2170	7852	103273	144530	157194	1.2%
2035		105	42	187	2374	2596	3845	0.0%
2040		193	101	342	4451	7364	6709	0.1%
2045		884	443	1806	20690	26146	36187	0.3%
2050		217	86	314	5088	5373	6208	0.0%
2055		66	25	123	1468	867	2431	0.0%
2100		6078	2828	11452	143939	187581	229591	1.7%
2105		122	48	203	2834	3050	4003	0.0%
2110		238	101	447	5634	7722	9070	0.1%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
2115		881	405	1570	20550	24779	31301	0.2%
2120		208	84	397	4895	4316	7862	0.1%
2125		45	11	94	1047	566	1860	0.0%
2130		4218	1837	7097	99640	120765	142280	1.1%
2135		78	21	139	1808	1253	2769	0.0%
2140		182	53	279	4287	3845	5507	0.0%
2145		700	336	1212	16590	23241	24107	0.2%
2150		157	44	175	3689	3608	3496	0.0%
2155		30	12	58	707	596	1161	0.0%
2200		4212	1918	7839	100123	126230	157357	1.2%
2205		62	22	108	1443	689	2115	0.0%
2210		176	52	215	4167	3170	4334	0.0%
2215		424	190	859	10086	12428	17254	0.1%
2220		119	48	186	2788	4544	3714	0.0%
2225		29	9	38	713	341	753	0.0%
2230		2373	1142	4550	56228	82249	91748	0.7%
2235		38	16	61	883	643	1228	0.0%
2240		79	28	118	1842	1801	2355	0.0%
2245		416	154	657	9929	9735	13126	0.1%
2250		79	22	113	1863	1098	2269	0.0%
2255		18	8	33	433	185	660	0.0%
2300		3377	1341	5722	80214	86463	114949	0.9%
2305		27	12	57	632	893	1158	0.0%
2310		92	31	144	2142	2497	2838	0.0%
2315		370	138	540	8750	8860	10619	0.1%
2320		81	32	137	1913	1798	2680	0.0%
2325		10	3	32	264	240	615	0.0%
2330		1779	739	3076	42194	53509	61861	0.5%
2335		24	8	56	585	390	1122	0.0%
2340		54	26	84	1254	1289	1670	0.0%
2345		258	108	472	6023	7054	9379	0.1%
2350		45	22	120	1084	893	2417	0.0%
2355		12	18	161	275	1193	3257	0.0%
2400		2278	759	3209	54296	54526	64393	0.5%
2405		19	7	42	433	472	836	0.0%
2410		40	16	52	942	675	1040	0.0%
2415		133	43	215	3110	3331	4283	0.0%
2420		34	11	56	792	873	1114	0.0%
2425		9	1	20	229	156	389	0.0%
2430		799	294	1191	19114	19945	24018	0.2%
2435		6	7	12	138	600	248	0.0%
2440		20	2	19	475	44	392	0.0%
2445		93	36	130	2221	2537	2576	0.0%
2450		16	3	16	395	66	319	0.0%
2455		5	4	6	124	356	130	0.0%
2500		973	369	1433	23195	26419	28800	0.2%
2505		4	0	8	92	0	167	0.0%
2510		19	2	20	444	42	413	0.0%
2515		54	35	64	1313	2569	1267	0.0%
2520		17	5	42	413	431	858	0.0%
2525		2	0	3	56	0	53	0.0%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
2530		425	184	686	10262	12507	13609	0.1%
2535		2	0	5	56	0	108	0.0%
2540		12	2	6	275	55	130	0.0%
2545		47	18	66	1170	1094	1333	0.0%
2550		7	1	16	176	192	321	0.0%
2555		2	0	2	48	0	42	0.0%
2600		511	202	1116	12220	14292	22269	0.2%
2605		3	0	6	69	0	118	0.0%
2610		6	1	10	145	138	181	0.0%
2615		25	17	43	625	768	870	0.0%
2620		10	0	6	239	0	124	0.0%
2625		2	3	2	53	90	44	0.0%
2630		208	93	417	5026	6281	8351	0.1%
2635		1	0	4	29	0	83	0.0%
2640		2	2	1	50	164	23	0.0%
2645		15	8	23	354	706	465	0.0%
2650		5	0	3	112	0	61	0.0%
2655		0	0	1	0	0	19	0.0%
2700		226	91	651	5474	6281	13050	0.1%
2705		0	1	4	0	23	79	0.0%
2710		2	0	3	50	0	58	0.0%
2715		11	4	27	269	254	552	0.0%
2720		3	0	5	64	0	98	0.0%
2725		0	0	1	0	0	22	0.0%
2730		65	34	263	1544	1931	5238	0.0%
2735		2	0	0	46	0	0	0.0%
2740		2	3	2	53	378	42	0.0%
2745		8	3	36	193	206	731	0.0%
2750		4	0	6	92	0	121	0.0%
2755		1	9	387	23	476	7814	0.1%
2800		125	38	0	3103	2378	0	0.0%
9999 *		20663			486424			0.0%
Total		370248	157349	657971	8760939	10231090	13185489	

* Note: In 1986, trip start time was not collected for a large portion of persons aged between 6 and 10.
For 1991 and 1996, all trips were assigned with start times.

Variable: purp_dest (destination purpose of trip)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown	40	7	23	957	314	453	0.0%
C	Subsequent school	940	694	1581	22133	43789	30927	0.2%
D	Day care		1032	3438		54793	68634	0.5%
E	Entertainment	27242			642585			
F	Serve passenger	15743	6976	34984	370093	431043	697755	5.3%
H	Home	159264	66041	277559	3769965	4303471	5562223	42.2%
L	Linked trip		37			1850		
M	Marketing/Shopping	27290		55574	641392		1113198	8.4%
O	Other	777	37776	100346	18165	2507442	2013566	15.3%
P	Personal	24734			585942			
R	Subsequent work	9360	5477	21042	220509	337517	422040	3.2%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
S	1st school trip of the day	32266	9761	43490	763050	611761	869146	6.6%
W	1st work trip of the day	72592	29548	119934	1726148	1939111	2407547	18.3%
	Total	370248	157349	657971	8760939	10231090	13185489	

Variable: pd_dest (planning district of destination)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	PD1-Metro	29501	10349	39621	720099	815923	792234	6.0%
2	PD2-Metro	10695	2172	15299	275769	304690	305889	2.3%
3	PD3-Metro	14569	3024	17365	359706	374400	360072	2.7%
4	PD4-Metro	16736	3192	20574	389409	399640	411744	3.1%
5	PD5-Metro	9252	2720	11205	219683	236779	228447	1.7%
6	PD6-Metro	12276	2198	15731	303141	337730	316172	2.4%
7	PD7-Metro	3753	990	4304	94613	93835	91975	0.7%
8	PD8-Metro	15781	2784	18613	362431	363956	380027	2.9%
9	PD9-Metro	7710	2273	9410	188362	184816	194776	1.5%
10	PD10-Metro	12236	3499	14688	297200	310291	311042	2.4%
11	PD11-Metro	12060	3741	14734	262900	311790	299521	2.3%
12	PD12-Metro	7022	1532	8054	155834	168523	156949	1.2%
13	PD13-Metro	17933	4007	20060	405783	424539	405805	3.1%
14	PD14-Metro	3850	819	4352	90205	103739	87638	0.7%
15	PD15-Metro	4663	1896	5972	117061	131523	116747	0.9%
16	PD16-Metro	13933	5401	17967	302228	358276	351488	2.7%
17	Brock	575	202	944	15489	19266	17691	0.1%
18	Uxbridge	737	1109	1088	20487	29495	26511	0.2%
19	Scugog	1092	352	1420	26680	30760	32772	0.2%
20	Pickering	4191	3164	7736	94453	144319	148088	1.1%
21	Ajax	3157	2896	5882	72657	112981	116190	0.9%
22	Whitby	4043	2987	7406	94806	127064	147228	1.1%
23	Oshawa	11158	3612	14129	280874	280266	292149	2.2%
24	Clarington	2321	2990	4485	59155	81118	92771	0.7%
25	Georgina	1445	281	2286	40151	35572	47393	0.4%
26	East Gwillimbury	845	524	1380	19192	26066	25225	0.2%
27	Newmarket	3721	1769	6774	78965	108582	134764	1.0%
28	Aurora	1783	2389	3455	40213	61124	67666	0.5%
29	Richmond Hill	3989	4364	9481	90969	156118	188560	1.4%
30	Whit.-Stouff.	1285	1260	1480	26841	33674	34703	0.3%
31	Markham	10916	7787	19782	254946	336592	378368	2.9%
32	King	933	344	1303	24264	27208	30091	0.2%
33	Vaughan	6335	8109	14196	148182	241227	280790	2.1%
34	Caledon	1813	1859	2796	48947	52554	63243	0.5%
35	Brampton	15604	9673	23508	367907	455308	482045	3.7%
36	Mississauga	32105	14688	54496	780265	995189	1087525	8.2%
37	Halton Hills	3553	953	3520	68962	64637	74784	0.6%
38	Milton	2957	548	3373	65740	72859	68527	0.5%
39	Oakville	8816	3941	13955	207633	246661	273886	2.1%
40	Burlington	11490	4493	15188	272750	285481	311163	2.4%
41	Flamborough	1598	1143	2033	43396	44395	50660	0.4%
42	Dundas	1948	336	2252	40636	37623	44379	0.3%
43	Ancaster	1550	909	2170	33117	38895	44557	0.3%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
44	Glanbrook	535	140	732	13205	13852	14424	0.1%
45	Stoney Creek	3905	2360	4810	82034	89150	92167	0.7%
46	Hamilton	29679	8795	33614	703323	691466	687887	5.2%
47	Durham Fringe		2080			68652		
48	York/Peel/Halton Fringe		6153			154351		
49	Hamilton-Went. Fringe		3110			78053		
51	Grimsby			1790			35753	0.3%
52	Lincoln			1552			34176	0.3%
53	Pelham			987			23645	0.2%
54	Niagara-OTL			1206			24815	0.2%
55	St Catharines			17747			325078	2.5%
56	Thorold			1708			33071	0.3%
57	Niagara Falls			8352			164253	1.2%
58	Welland			5729			113810	0.9%
59	Port Colbourne			1906			37068	0.3%
60	Fort Erie			2744			53030	0.4%
61	West Lincoln			751			16852	0.1%
62	Wainfleet			378			7899	0.1%
63	Waterloo			12015			224739	1.7%
64	Kitchener			21609			428947	3.3%
65	Cambridge			11052			231388	1.8%
66	North Dumfries			568			12720	0.1%
67	Wilmot			1273			23303	0.2%
68	Wellesley			557			11274	0.1%
69	Woolwich			1794			37804	0.3%
70	City of Guelph			12750			228909	1.7%
71	Puslinch			281			9540	0.1%
72	Guelph Twp			132			2757	0.0%
73	Pilkington			97			2482	0.0%
74	Elora			352			5921	0.0%
75	Nichol			122			4500	0.0%
76	Fergus			1081			18765	0.1%
77	West Garafraxa			96			4069	0.0%
78	Eramosa			487			8480	0.1%
79	Erin			625			14936	0.1%
80	Orangeville +			2452			44865	0.3%
81	Barrie			9765			179825	1.4%
82	Innisfil			1465			29170	0.2%
83	Bradford-West Gwillimbury			1292			30521	0.2%
84	Tecumseth			2023			38932	0.3%
85	Adjala-Tosorontio			347			9445	0.1%
86	Essa			1238			21412	0.2%
87	Clearview			854			16361	0.1%
88	Springwater			1000			20572	0.2%
89	Lindsay			2672			51899	0.4%
90	Ops			197			6770	0.1%
91	Manvers			517			6046	0.0%
92	Mariposa			421			9078	0.1%
93	Eldon			194			4059	0.0%
94	Carden			15			581	0.0%
95	Dalton			1			16	0.0%
96	LDL			58			2186	0.0%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
97	Somerville			189			4840	0.0%
98	Bexley			35			1423	0.0%
99	Fenelon			674			15308	0.1%
100	Verulam			168			4189	0.0%
101	Bobcageon			251			5472	0.0%
102	Emily			410			8998	0.1%
103	Peterborough			10208			197009	1.5%
104	Cavan			225			8160	0.1%
105	North Monaghan			104			2385	0.0%
106	South Monnaghan			99			2122	0.0%
107	Otonabee			156			7099	0.1%
108	Asphodel			270			6289	0.0%
109	Dummer			134			4106	0.0%
110	Douro			545			10572	0.1%
111	Smith			473			13470	0.1%
112	Ennismore			278			5117	0.0%
113	Northumberland			1789			28253	0.2%
114	Rest of Peterborough			108			2422	0.0%
115	Hastings			70			1392	0.0%
116	Haliburton			53			1145	0.0%
117	Muskoka			149			2984	0.0%
118	Rest of Simcoe			843			16391	0.1%
119	Dufferin			154			3143	0.0%
120	Grey			120			2388	0.0%
121	Rest of Wellington			65			1333	0.0%
122	Perth			201			3978	0.0%
123	Oxford			155			3060	0.0%
124	Brant			462			9865	0.1%
125	Haldimand-Norfolk			325			6669	0.1%
998	External	2427	1424	1383	57307	69433	27447	0.2%
999	Unknown	1772	8		42967	652		0.0%
	Total	370248	157349	657971	8760939	10231090	13185489	

Variable: region_dest (regional municipality of trip destination)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	Metro	191970	50597	237949	4544424	4920450	4810526	36.5%
2	Durham	27274	17312	43102	664602	825268	873644	6.6%
3	York	31252	26827	60137	723723	1026162	1187560	9.0%
4	Peel	49522	26220	80788	1197119	1503051	1632569	12.4%
5	Halton	26816	9935	36036	615084	669637	728359	5.5%
6	Hamilton-Wentworth	39215	13683	45611	915711	915382	934074	7.1%
7	Fringe		11343			301056		
11	Niagara			44850			869450	6.6%
12	Waterloo			48868			970177	7.4%
13	Guelph			12750			228909	1.7%
14	Wellington			3273			71452	0.5%
15	Orangeville			2452			44865	0.3%
16	Barrie			9765			179825	1.4%
17	Simcoe			8219			166414	1.3%
18	Victoria			5802			120865	0.9%

Trip Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
19	City of Peterborough			10208			197009	1.5%
20	Peterborough County			2284			59320	0.4%
98	External	2427	1424	5877	57307	69433	110470	0.8%
99	Unknown	1772	8		42967	652		
	Total	370248	157349	657971	8760939	10231090	13185489	

Variable: mode_prime (primary mode of trip)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown	162	36	131	3812	3029	2726	0.0%
B	Transit (Ex. GO Tr.)	53996	13003	65601	1300961	1272132	1328295	10.1%
C	Bicycle	1732	1083	4775	41061	88956	93759	0.7%
D	Auto driver	210693	104530	421946	4961693	6417087	8449739	64.1%
G	GO Train	1668	1126	3180	39571	64286	62854	0.5%
J	GO Train + Transit	951	767	1514	22503	42757	29989	0.2%
M	Motorcycle	346	101	237	8326	6076	4807	0.0%
O	Other	143	48	987	3458	4227	19958	0.2%
P	Auto Passenger	57336	23276	107363	1350696	1522562	2151022	16.3%
S	Schoolbus	10396	4416	12142	248190	176163	248260	1.9%
T	Taxi Passenger	1593	485	2767	38854	41545	55606	0.4%
W	Walk	31232	8478	37328	741815	592270	738473	5.6%
	Total	370248	157349	657971	8760939	10231090	13185489	

Transit Tabulations

The following tabulations are “number of transit trips” stratified by various categories in the database. The “# Recs” figures present the actual number of survey records in the Transit file while the “Freq” figures are the expanded results representing the universe. Trips are collected for persons aged 6 and over in 1986 and for persons aged 11 and over in 1991 and 1996.

Exhibit 24: Transit Tabulations

Variable: region_hhld (regional municipality of household)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	Metro	44726	8697	50431	1077412	1045391	1027058	72.3%
2	Durham	1366	880	2187	32552	41682	43634	3.1%
3	York	2053	2192	3412	47913	67585	66534	4.7%
4	Peel	3678	1717	5664	90749	111448	114774	8.1%
5	Halton	1195	537	1368	28012	35805	27060	1.9%
6	Hamilton-Wentworth	3597	758	2977	86395	74478	62182	4.4%
7	Fringe		115			2786		
11	Niagara			999			18252	1.3%
12	Waterloo			1668			33103	2.3%
13	Guelph			699			12046	0.8%
14	Wellington			24			644	0.0%
15	Orangeville			20			356	0.0%
16	Barrie			257			4684	0.3%
17	Simcoe			81			1722	0.1%
18	Victoria			23			496	0.0%
19	City of Peterborough			458			7925	0.6%
20	Peterborough County			9			398	0.0%
98	Ext. (Northumberland)			18			269	0.0%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: pd_hhld (planning district of household)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	PD 1 - Metro	3245	1425	4577	86005	90920	92093	6.5%
2	PD 2 - Metro	4755	753	5841	125924	129379	116712	8.2%
3	PD 3 - Metro	4883	745	5761	122720	128978	120558	8.5%
4	PD 4 - Metro	4694	571	4952	110026	104560	99088	7.0%
5	PD 5 - Metro	1788	381	2025	43415	38467	42442	3.0%
6	PD 6 - Metro	5234	707	5879	130265	132191	118468	8.3%
7	PD 7 - Metro	733	252	821	19113	20927	18024	1.3%
8	PD 8 - Metro	3017	281	2694	67599	53072	55239	3.9%
9	PD 9 - Metro	1007	267	1255	25139	19691	26454	1.9%
10	PD 10 - Metro	2551	444	2441	63319	53915	53723	3.8%
11	PD 11 - Metro	2744	578	2696	57649	45116	55540	3.9%
12	PD 12 - Metro	1632	136	1570	35431	25217	30309	2.1%
13	PD 13 - Metro	3473	616	3930	78007	85292	80953	5.7%
14	PD 14 - Metro	1052	147	1074	24482	19939	21587	1.5%
15	PD 15 - Metro	981	318	1344	25652	28546	26514	1.9%
16	PD 16 - Metro	2937	1076	3571	62666	69181	69353	4.9%
17	Brock			4			74	0.0%

Transit Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
18	Uxbridge	11	6	8	318	114	202	0.0%
19	Scugog	5	4	14	122	469	331	0.0%
20	Pickering	322	231	558	7142	9172	10522	0.7%
21	Ajax	311	264	474	7176	7749	9319	0.7%
22	Whitby	174	167	356	4051	6565	7022	0.5%
23	Oshawa	520	143	667	13151	16081	14013	1.0%
24	Clarington	23	65	106	592	1532	2151	0.2%
25	Georgina	32	3	29	896	444	587	0.0%
26	East Gwillimbury	31	14	22	702	625	391	0.0%
27	Newmarket	146	55	231	2989	3515	4522	0.3%
28	Aurora	95	124	129	2145	2529	2498	0.2%
29	Richmond Hill	357	418	771	8003	15592	15600	1.1%
30	Whitchurt-Stouffville	33	23	28	657	568	692	0.0%
31	Markham	905	798	1339	21618	27371	25161	1.8%
32	King	18	1	12	486	160	297	0.0%
33	Vaughan	436	756	851	10417	16782	16786	1.2%
34	Caledon	24	25	23	678	670	481	0.0%
35	Brampton	945	529	1178	22390	27014	24283	1.7%
36	Mississauga	2709	1163	4463	67681	83764	90011	6.3%
37	Halton Hills	48	22	52	908	2849	1071	0.1%
38	Milton	51	12	61	1135	2014	1229	0.1%
39	Oakville	554	332	816	13054	18978	15742	1.1%
40	Burlington	542	171	439	12915	11964	9017	0.6%
41	Flamborough	24	19	24	671	508	603	0.0%
42	Dundas	65	8	88	1275	1512	1634	0.1%
43	Ancaster	22	17	34	457	658	684	0.0%
44	Glanbrook	8		4	204		78	0.0%
45	Stoney Creek	211	95	145	4285	4425	2725	0.2%
46	Hamilton	3267	619	2682	79504	67375	56458	4.0%
47	Durham Fringe		20			632		
48	York/Peel/Halton Fringe		76			1723		
49	Hamilton-Wentworth Fringe		19			431		
51	Grimsby			6			118	0.0%
52	Lincoln			4			91	0.0%
54	Niagara-O-T-L			6			128	0.0%
55	St. Catharines			678			11873	0.8%
56	Thorold			41			798	0.1%
57	Niagara Falls			178			3526	0.2%
58	Welland			77			1544	0.1%
59	Port Colbourne			1			19	0.0%
60	Fort Erie			8			154	0.0%
63	Waterloo			372			6867	0.5%
64	Kitchener			1085			21838	1.5%
65	Cambridge			205			4285	0.3%
67	Wilmet			4			72	0.0%
68	Wellesley			2			41	0.0%
70	City of Guelph			699			12046	0.8%
74	Elora			2			28	0.0%
76	Fergus			4			60	0.0%
77	West Garafraxa			8			357	0.0%

Transit Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
78	Eramosa			6			101	0.0%
79	Erin			4			97	0.0%
80	Orangeville			20			356	0.0%
81	Barrie			257			4684	0.3%
82	Innisfil			28			562	0.0%
83	Bradford-West Gwillimbury			24			584	0.0%
84	Tecumseth			17			315	0.0%
85	Adjala-Tosorontio			3			88	0.0%
86	Essa			1			17	0.0%
87	Clearview			6			114	0.0%
88	Springwater			2			42	0.0%
89	Lindsay			18			317	0.0%
90	OPS			1			83	0.0%
99	Fenelon			1			23	0.0%
100	Verulam			2			52	0.0%
102	Emily			1			22	0.0%
103	Peterborough			458			7925	0.6%
107	Otonabee			4			256	0.0%
108	Asphodel			2			45	0.0%
111	Smith			3			96	0.0%
113	Northumberland			18			269	0.0%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: dwell_type (dwelling unit type of person's home)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	House	35485	9462	36147	845176	811300	719805	50.6%
2	Apartment	21112	5434	29407	517424	567876	606405	42.7%
3	Townhouse			4741			94927	6.7%
9	Unknown	18			434			0.0%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: trip_day (day of week trip data was collected)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	Monday	10559	2527	11954	253166	228476	241661	17.0%
2	Tuesday	10124	2750	14906	243612	267944	302312	21.3%
3	Wednesday	11318	2709	13862	272295	259462	279699	19.7%
4	Thursday	12377	4079	14435	298729	368795	291503	20.5%
5	Friday	12179	2750	15138	293865	245615	305962	21.5%
9	Unknown	58	81		1368	8884		
	Total	56615	14896	70295	1363034	1379175	1421138	

Transit Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	

Variable: sex (gender of person)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown	58	5	6	1403	451	118	0.0%
F	Female	33442	8642	41326	805645	799001	836020	58.8%
M	Male	23115	6249	28963	555986	579724	585000	41.2%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: driver_lic (possession of a driver's license)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown	49	4	8	1192	465	146	0.0%
N	No	25934	5875	31983	628958	590516	651968	45.9%
Y	Yes	30632	9017	38304	732884	788194	769024	54.1%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: tran_pass (possession of a transit pass)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
C	Combo/Dual Pass			722			14381	1.0%
G	Go Transit Pass			2909			57665	4.1%
M	Metro Pass			15674			319025	22.4%
N	None			47017			951276	66.9%
O	Other Agency Pass			3526			69872	4.9%
9	Unknown			447			8919	0.6%
	Total			70295			1421138	

Variable: purp_orig (origin purpose of trip)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown	571	2	2	13943	47	39	0.0%
D	Day care		57	235		4289	4761	0.3%
E	Entertainment	1934			46770			
F	Serve passenger	168	47	292	4106	2702	5918	0.4%
H	Home	26908	6993	32842	647715	649650	664002	46.7%
L	Linked trip		7			277		
M	Marketing/Shopping	2115		3149	51030		64079	4.5%
O	Other	40	1842	6514	972	193953	132197	9.3%
P	Personal	2424			58768			
S	School	6925	1966	10126	165297	173174	203913	14.3%
W	Work	15530	3982	17135	374431	355083	346228	24.4%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: region_orig (regional municipality of trip origin)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	Metro	46669	10561	53709	1123912	1118863	1091344	76.8%
2	Durham	1057	557	1603	25438	29189	32130	2.3%
3	York	1541	1331	2564	36047	48096	50608	3.6%

Transit Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
4	Peel	2775	1266	4470	68156	82223	90872	6.4%
5	Halton	912	364	956	21518	25840	19036	1.3%
6	Hamilton-Wentworth	3517	732	2856	84464	71961	59638	4.2%
7	Fringe		66			1681		
11	Niagara			975			17782	1.3%
12	Waterloo			1643			32605	2.3%
13	Guelph			682			11761	0.8%
14	Wellington			12			322	0.0%
15	Orangeville			13			231	0.0%
16	Barrie			245			4469	0.3%
17	Simcoe			38			810	0.1%
18	Victoria			21			447	0.0%
19	City of Peterborough			454			7956	0.6%
20	Peterborough County			4			183	0.0%
98	External	57	19	50	1370	1321	942	0.1%
99	Unknown	87			2129			
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: pd_orig (planning district of trip origin)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	PD 1 - Metro	13583	4261	16032	331505	362695	322396	22.7%
2	PD 2 - Metro	3451	607	4320	89827	91805	86956	6.1%
3	PD 3 - Metro	3686	589	4315	92073	93415	90025	6.3%
4	PD 4 - Metro	4617	786	4693	109039	101944	94595	6.7%
5	PD 5 - Metro	1567	304	1751	37457	31054	36176	2.5%
6	PD 6 - Metro	3578	540	4197	89036	89224	84986	6.0%
7	PD 7 - Metro	567	168	606	14622	15037	13085	0.9%
8	PD 8 - Metro	2315	266	2292	53375	40031	47095	3.3%
9	PD 9 - Metro	969	224	1180	23994	17639	24847	1.7%
10	PD 10 - Metro	2416	473	2635	59412	56238	56253	4.0%
11	PD 11 - Metro	2273	537	2546	49705	44282	52241	3.7%
12	PD 12 - Metro	1229	139	1248	27207	18571	24488	1.7%
13	PD 13 - Metro	3009	623	3567	68941	75920	72889	5.1%
14	PD 14 - Metro	672	107	758	15776	13586	15257	1.1%
15	PD 15 - Metro	726	227	926	18432	19890	18334	1.3%
16	PD 16 - Metro	2011	710	2643	43511	47532	51720	3.6%
17	Brock			2			37	0.0%
18	Uxbridge	8	3	5	220	57	122	0.0%
19	Scugog	3	1	6	73	117	142	0.0%
20	Pickering	200	122	377	4464	4955	7142	0.5%
21	Ajax	224	155	325	5197	4645	6392	0.4%
22	Whitby	119	105	239	2802	4392	4735	0.3%
23	Oshawa	486	142	593	12267	14327	12424	0.9%
24	Clarington	17	29	56	416	696	1135	0.1%
25	Georgina	16	3	18	446	318	363	0.0%
26	East Gwillimbury	14	8	9	322	332	159	0.0%
27	Newmarket	103	45	186	2150	2790	3621	0.3%
28	Aurora	62	67	84	1398	1366	1632	0.1%
29	Richmond Hill	244	253	529	5549	9959	10669	0.8%

Transit Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
30	Whitchurt-Stouffville	16	13	17	319	321	415	0.0%
31	Markham	679	501	1024	16068	20143	19694	1.4%
32	King	16		10	398		231	0.0%
33	Vaughan	391	441	687	9396	12868	13824	1.0%
34	Caledon	12	11	18	339	295	366	0.0%
35	Brampton	782	387	922	18550	19696	19044	1.3%
36	Mississauga	1981	868	3530	49267	62232	71462	5.0%
37	Halton Hills	28	14	26	552	1779	529	0.0%
38	Milton	31	9	33	686	1506	666	0.0%
39	Oakville	420	218	566	9971	13317	11011	0.8%
40	Burlington	433	123	331	10309	9238	6831	0.5%
41	Flamborough	10	9	12	282	241	296	0.0%
42	Dundas	45	6	51	940	970	998	0.1%
43	Ancaster	12	9	23	257	576	460	0.0%
44	Glanbrook	6		1	148		19	0.0%
45	Stoney Creek	129	55	104	2749	3415	2017	0.1%
46	Hamilton	3315	653	2665	80087	66759	55848	3.9%
47	Durham Fringe		13			473		0.0%
48	York/Peel/Halton Fringe		43			981		0.0%
49	Hamilton-Wentworth Fringe		10			227		0.0%
51	Grimsby			3			59	0.0%
52	Lincoln			1			23	0.0%
54	Niagara-O-T-L			5			104	0.0%
55	St. Catharines			679			11925	0.8%
56	Thorold			31			592	0.0%
57	Niagara Falls			166			3290	0.2%
58	Welland			84			1673	0.1%
60	Fort Erie			6			116	0.0%
63	Waterloo			417			7904	0.6%
64	Kitchener			1026			20528	1.4%
65	Cambridge			196			4093	0.3%
67	Wilmot			1			18	0.0%
68	Wellesley			2			42	0.0%
69	Woolwich			1			20	0.0%
70	City of Guelph			682			11761	0.8%
74	Elora			1			14	0.0%
76	Fergus			2			30	0.0%
77	West Garafraxa			4			178	0.0%
78	Eramosa			3			51	0.0%
79	Erin			2			49	0.0%
80	Orangeville			13			231	0.0%
81	Barrie			245			4469	0.3%
82	Innisfil			10			201	0.0%
83	Bradford-West Gwillimbury			13			314	0.0%
84	Tecumseth			8			148	0.0%
85	Adjala-Tosorontio			1			29	0.0%
86	Essa			1			20	0.0%
87	Clearview			2			38	0.0%
88	Springwater			3			60	0.0%
89	Lindsay			18			382	0.0%
90	OPS			1			18	0.0%

Transit Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
100	Verulam			1			26	0.0%
102	Emily			1			22	0.0%
103	Peterborough			454			7956	0.6%
107	Otonabee			2			128	0.0%
108	Asphodel			1			23	0.0%
111	Smith			1			32	0.0%
113	Northumberland			13			194	0.0%
117	Muskoka			1			21	0.0%
118	Rest of Simcoe			14			292	0.0%
122	Perth			1			19	0.0%
124	Brant			6			125	0.0%
998	External	57	19	15	1370	1321	291	0.0%
999	Unknown	87			2129			0.0%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: purp_dest (destination purpose of trip)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown	8	1	2	200	22	39	0.0%
C	Subsequent school	121	25	184	2872	2982	3619	0.3%
D	Day care		45	218		4150	4451	0.3%
E	Entertainment	2472			59762			
F	Serve passenger	150	34	219	3653	2531	4458	0.3%
H	Home	25686	6701	31805	618247	618985	643075	45.3%
L	Linked trip		6			301		
M	Marketing/Shopping	2411		3261	58148		66336	4.7%
O	Other	57	2146	7405	1370	221028	150097	10.6%
P	Personal	2784			67434			
R	Subsequent work	486	141	676	11768	12284	13642	1.0%
S	1st school	6520	1732	9143	155897	155800	184199	13.0%
W	1st work	15920	4065	17382	383682	361091	351222	24.7%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: region_dest (regional municipality of trip destination)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	Metro	46649	10603	53777	1123404	1119807	1092650	76.9%
2	Durham	1050	552	1590	25305	29251	31892	2.2%
3	York	1576	1321	2580	36853	48727	50943	3.6%
4	Peel	2782	1258	4390	68410	80999	89264	6.3%
5	Halton	895	356	956	21145	25869	19039	1.3%
6	Hamilton-Wentworth	3508	728	2867	84262	71537	59838	4.2%
7	Fringe		63			1614		
11	Niagara			974			17765	1.3%
12	Waterloo			1634			32438	2.3%
13	Guelph			681			11750	0.8%
14	Wellington			13			342	0.0%
15	Orangeville			13			235	0.0%
16	Barrie			245			4465	0.3%

Transit Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
17	Simcoe			34			711	0.1%
18	Victoria			22			469	0.0%
19	City of Peterborough			456			7993	0.6%
20	Peterborough County			4			183	0.0%
98	External	71	15	59	1673	1371	1161	0.1%
99	Unknown	84			1982			
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: pd_dest (planning district of trip destination)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	PD 1 - Metro	13887	4301	16321	338590	367257	328293	23.1%
2	PD 2 - Metro	3423	610	4247	89067	91157	85544	6.0%
3	PD 3 - Metro	3625	597	4233	90524	92237	88281	6.2%
4	PD 4 - Metro	4547	790	4660	107340	101186	93874	6.6%
5	PD 5 - Metro	1558	296	1732	37245	29932	35791	2.5%
6	PD 6 - Metro	3543	544	4193	88184	88762	84893	6.0%
7	PD 7 - Metro	566	167	601	14615	15296	12994	0.9%
8	PD 8 - Metro	2272	268	2279	52366	39830	46814	3.3%
9	PD 9 - Metro	977	228	1172	24187	18227	24653	1.7%
10	PD 10 - Metro	2410	457	2646	59213	54907	56483	4.0%
11	PD 11 - Metro	2249	536	2519	49276	45615	51692	3.6%
12	PD 12 - Metro	1212	145	1276	26866	19498	25039	1.8%
13	PD 13 - Metro	3017	612	3606	69207	74886	73689	5.2%
14	PD 14 - Metro	677	110	734	15913	13549	14766	1.0%
15	PD 15 - Metro	714	228	922	18125	19749	18253	1.3%
16	PD 16 - Metro	1972	714	2636	42688	47718	51589	3.6%
17	Brock			2			37	0.0%
18	Uxbridge	5	3	4	141	57	101	0.0%
19	Scugog	3	1	7	73	117	166	0.0%
20	Pickering	195	120	373	4357	4957	7071	0.5%
21	Ajax	224	152	321	5201	4725	6318	0.4%
22	Whitby	117	104	240	2747	4501	4757	0.3%
23	Oshawa	489	141	590	12366	14003	12365	0.9%
24	Clarington	17	31	53	420	891	1077	0.1%
25	Georgina	15	1	13	416	148	261	0.0%
26	East Gwillimbury	13	7	9	294	164	159	0.0%
27	Newmarket	108	48	193	2260	3132	3768	0.3%
28	Aurora	54	66	78	1217	1347	1523	0.1%
29	Richmond Hill	250	259	534	5717	10399	10786	0.8%
30	Whitchurch-Stouffville	14	12	16	279	296	388	0.0%
31	Markham	698	489	1022	16476	20112	19635	1.4%
32	King	16	1	9	399	160	204	0.0%
33	Vaughan	408	438	706	9794	12970	14219	1.0%
34	Caledon	9	9	16	276	241	336	0.0%
35	Brampton	771	386	910	18298	19676	18786	1.3%
36	Mississauga	2002	863	3464	49836	61082	70141	4.9%
37	Halton Hills	25	13	27	499	1758	552	0.0%
38	Milton	31	9	34	688	1484	684	0.0%
39	Oakville	406	209	568	9634	12985	11042	0.8%

Transit Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
40	Burlington	433	125	327	10324	9641	6761	0.5%
41	Flamborough	7	9	10	201	241	241	0.0%
42	Dundas	47	6	59	984	970	1147	0.1%
43	Ancaster	13	8	23	271	549	464	0.0%
44	Glanbrook	6		2	148		39	0.0%
45	Stoney Creek	128	55	104	2744	3617	2027	0.1%
46	Hamilton	3307	650	2669	79915	66160	55921	3.9%
47	Durham Fringe		13			473		
48	York/Peel/Halton Fringe		39			890		
49	Hamilton-Wentworth Fringe		11			250		
51	Grimsby			3			59	0.0%
52	Lincoln			1			23	0.0%
54	Niagara-O-T-L			5			104	0.0%
55	St. Catharines			687			12090	0.9%
56	Thorold			21			398	0.0%
57	Niagara Falls			165			3270	0.2%
58	Welland			86			1706	0.1%
60	Fort Erie			6			116	0.0%
63	Waterloo			424			8043	0.6%
64	Kitchener			1011			20242	1.4%
65	Cambridge			196			4093	0.3%
67	Wilmot			1			18	0.0%
68	Wellesley			1			22	0.0%
69	Woolwich			1			20	0.0%
70	City of Guelph			681			11750	0.8%
71	Puslinch			1			20	
74	Elora			1			14	0.0%
76	Fergus			2			30	0.0%
77	West Garafraxa			4			178	0.0%
78	Eramosa			3			51	0.0%
79	Erin			2			49	0.0%
80	Orangeville			13			235	0.0%
81	Barrie			245			4465	0.3%
82	Innisfil			10			201	0.0%
83	Bradford-West Gwillimbury			11			265	0.0%
84	Tecumseth			8			148	0.0%
86	Essa			1			17	0.0%
87	Clearview			2			38	0.0%
88	Springwater			2			42	0.0%
89	Lindsay			19			403	0.0%
90	OPS			1			18	0.0%
99	Fenelon			1			23	0.0%
100	Verulam			1			26	0.0%
103	Peterborough			456			7993	0.6%
107	Otonabee			2			128	0.0%
108	Asphodel			1			23	0.0%
111	Smith			1			32	0.0%
113	Northumberland			12			180	0.0%
117	Muskoka			1			19	0.0%
118	Rest of Simcoe			20			433	0.0%
120	Grey			1			24	0.0%

Transit Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
122	Perth			2			42	0.0%
124	Brant			5			102	0.0%
998	External	71	15	18	1673	1371	362	0.0%
999	Unknown	84			1982			0.0%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: mode_accs (mode used to access public transit)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown		5	55		397	1124	0.1%
C	Bicycle		11	62		1114	1238	0.1%
D	Auto driver	1218	858	2174	28513	46952	43168	3.0%
M	Motorcycle	7	4	1	171	273	19	0.0%
O	Other	24			616			0.0%
P	Auto passenger	1230	506	1671	28935	30751	33494	2.4%
S	School bus		1			22		0.0%
T	Taxi	31	13	45	730	1261	896	0.1%
W	Walk	54105	13498	66287	1304070	1298405	1341198	94.4%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: mode_egrs (mode used after disembarking from public transit)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
9	Unknown	4	3	40	97	342	828	0.1%
C	Bicycle		7	45		680	884	0.1%
D	Auto driver	1122	805	2028	26237	44097	40221	2.8%
M	Motorcycle	11	4		263	273		0.0%
O	Other	16			412			0.0%
P	Auto passenger	784	397	1255	18432	24164	25140	1.8%
S	School bus		1			22		0.0%
T	Taxi	55	27	74	1329	2649	1494	0.1%
W	Walk	54623	13652	66853	1316264	1306949	1352570	95.2%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: n_route (number of transit routes or links used for the trip)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
1	1		7175	34447		635824	691259	48.6%
2	2		5713	27054		562052	550134	38.7%
3	3		1765	7811		163962	159806	11.2%
4	4		230	931		17009	18873	1.3%
5	5		13	52		327	1066	0.1%
	Total		14896	70295		1379175	1421138	

Transit Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	

Variable: n_go_rail (number of links on GO rail)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	53996	13002	65601	1300961	1271983	1328295	93.5%
1	1	2617	1894	4690	62021	107192	92770	6.5%
2	2	2		4	53		73	0.0%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: n_go_bus (number of links on GO bus)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	55466	14224	68871	1336164	1348897	1392644	98.0%
1	1	1147	663	1410	26825	29793	28219	2.0%
2	2	2	9	14	45	485	275	0.0%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: n_subway (number of links on TTC subway or RT)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	27442	7653	36413	659950	665342	735182	51.7%
1	1	21780	6880	32861	524945	693898	665630	46.8%
2	2	7040	362	1019	170208	19913	20292	1.4%
3	3	351	1	2	7882	22	34	0.0%
4	4	2			48			0.0%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: n_ttc_bus (number of links on TTC bus or streetcar)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	19899	7030	28368	478699	522540	565444	39.8%
1	1	24242	5235	27597	585262	570512	561962	39.5%
2	2	11107	2260	12816	266705	248963	262612	18.5%
3	3	1284	361	1410	30440	36135	28943	2.0%
4	4	82	7	103	1911	955	2156	0.2%
5	5	1	3	1	17	71	20	0.0%
	Total	56615	14896	70295	1363034	1379175	1421138	

Variable: n_local (number of links on other local transit properties)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	48986	12075	56959	1178557	1184100	1155648	81.3%
1	1	6075	2095	10287	146867	142730	203351	14.3%
2	2	1419	611	2727	34376	45366	55637	3.9%
3	3	131	104	301	3136	6178	6067	0.4%
4	4	4	11	20	98	801	415	0.0%
5	5			1			19	0.0%
	Total	56615	14896	70295	1363034	1379175	1421138	

Transit Tabulations Continued

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	

Variable: n_other (number of links on other transit systems)

Code	Description	Number of Records			Expanded Frequency			1996 % of total
		1986	1991	1996	1986	1991	1996	
0	0	56236	14748	70023	1353868	1365454	1415785	99.6%
1	1	363	148	271	8802	13721	5328	0.4%
2	2	10		1	216		25	0.0%
3	3	6			149			0.0%
	Total	56615	14896	70295	1363034	1379175	1421138	

1996 Expanded Municipal Transit Totals

Exhibit 25: 1996 Expanded Municipal Transit Totals

	Route Prefix	Operator Code	1st Route	2nd Route	3rd Route	4th Route	5th Route	Total Boardings	Trips
Subway & RT	T5	3	393,921	287,193	24,049	1,227	-	706,390	686,030
TTC Bus & Streetcar	T	1,2	682,518	346,921	136,800	15,759	891	1,182,750	856,120
GO Train	GT	4	75,992	15,429	1,432	59	-	92,912	92,839
GO Bus	GB	5	18,572	7,691	2,260	245	-	28,768	28,493
Ajax	AJ	84	3,390	855	338	20	-	4,603	4,228
Aurora	AU	74	479	19	-	-	-	498	498
Brampton	BR	40	14,841	5,890	1,439	328	20	22,519	16,041
Burlington	BU	46	4,357	1,498	191	63	19	6,128	5,018
Hamilton	HA	48	57,117	16,874	1,195	86	19	75,292	57,331
Markham	MA	80	5,551	2,340	498	41	-	8,430	8,034
Milton	ML	44	123	-	-	-	-	123	123
Mississauga	MS	20	55,891	27,098	8,191	1,621	78	92,878	65,615
Newmarket	NE	72	2,255	244	-	21	-	2,520	2,296
Oakville	OA	42	5,759	2,353	869	193	-	9,174	7,322
Oshawa	OS	88	9,984	2,822	266	65	-	13,137	10,442
Pickering	PI	82	3,967	838	324	19	19	5,166	4,768
Richmond Hill	RH	70	2,936	633	365	57	20	4,009	3,675
Vaughan	VA	60	2,795	583	400	55	-	3,833	3,589
Whitby	WH	86	2,924	511	333	40	-	3,808	3,394
Total GTA			1,343,373	719,791	178,952	19,896	1,065	2,262,938	1,855,855
Barrie	BA	18	4,165	-	18	-	-	4,183	4,165
Cambridge	CA	10	3,734	1,547	210	-	-	5,491	3,734
Guelph	GU	14	11,404	-	-	-	-	11,404	11,404
Kitchener	K0	8	28,282	7,369	198	-	-	35,849	28,243
Niagara	NI	22	3,303	58	-	-	-	3,361	3,323
Peterborough	PE	16	7,963	-	-	-	-	7,963	7,963
St Catharines	SC	12	11,741	73	-	-	-	11,815	11,744
Welland	WE	24	1,483	38	-	-	-	1,521	1,483
Other	various	90	1,324	20	-	-	-	1,344	1,325
Total Non GTA			73,400	9,105	426	-	-	82,931	73,384
Non Municipal	X	92	4,695	516	237	-	-	5,448	5,279
Total			1,421,468	729,412	179,614	19,896	1,065	2,351,317	1,934,518

Notes:

1. The number of trips for the TTC and GO has been calculated from the number of trip records for which the appropriate field, n_subway (TTC subway & RT), n_ttc_bus (TTC bus or streetcar), n_go_rail (GO rail), n_go_bus (GO bus), is greater than zero. The other totals are tabulated from the oper_code field (last non-TTC, non-GO route).
2. The trip total does not match the total in the previous tabulations due to the double counting of people who use a combination of TTC, GO Transit and other municipal transit services.