

1997 Survey of Household Spending

PUBLIC-USE MICRODATA FILE

Users' Guide

**Income Statistics Division
Statistics Canada**

Ce document est disponible en français

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INTRODUCTION

General Information

This public-use microdata file presents the originally-released data and revised weights of the 1997 Survey of Household Spending conducted in January through March 1998. Information about the spending habits, dwelling characteristics and household equipment of Canadian households during 1997 was obtained by asking people in the ten provinces and two territories to recall their expenditures for the previous calendar year (spending habits) or as of December 31st (dwelling characteristics and household equipment).

Important Note:

The weights provided in this file have been revised to reflect population and household totals from the 1996 Census (instead of the 1991 Census) and to incorporate income distributions from taxfiler data from the Canada Customs and Revenue Agency (CCRA, formerly Revenue Canada). All the data in the file are the same as released in version 2.1 in May, 2000 with the exception of these revised weights (variable "Weights" – see the Record Layout).

The Survey of Household Spending (SHS) collects information that is broadly comparable to the former Family Expenditure Survey (FAMEX), but there are several noteworthy differences. SHS is annual, whereas FAMEX was conducted nationally every four years. The SHS sample is 50% larger, but the number of detailed expenditure categories is smaller, in an effort to reduce respondent burden. Another major change is that housing information formerly collected by the Household Facilities and Equipment (HFE) Survey is now part of the SHS and can be analyzed in the context of household expenditure patterns.

This document is laid out in the following manner:

- Record Layout.
- Variable Descriptions (variable specifications and other information).
- Technical Information (Information about survey methodology, data quality, and comparisons with data from FAMEX and HFE. **It is especially important to read the "Important note to users about full and part-year households" in the section "Guidelines for tabulation, analysis and dissemination".**)
- Appendix A presents the frequency counts for non-dollar variables in the public-use microdata file.
- Tables in Appendix B present expenditure data tabulated using the public-use microdata file and also using the internal survey database. They are included to help you verify your tabulations. REVISED
- Appendix C contains a table indicating the public-use spending variables included in previous public-use microdata files of the Family Expenditure Survey.
- Appendix D compares this file to the 1996 Family Expenditure Survey public-use microdata file and provides a list of additions, deletions, and modifications.

- Appendix E presents the coefficients of variation for published data from the 1997 SHS. REVISED

For Further Information

For more information about the current survey results and related products and services, or to enquire about the concepts, methods or data quality of this release, contact Client Services (613-951-7355; 1-888-297-7355; fax 613-951-3012; income@statcan.ca), Income Statistics Division.

Technical characteristics of the file

Content: Household spending, dwelling characteristics, and household equipment, 1997

Source: Survey of Household Spending, 1997
Income Statistics Division
Statistics Canada

Data Set Definition:

DATA SET NAME SHS97V3.TXT

NUMBER OF RECORDS 18,031

FORMAT

Record length 2,063

RECORD LAYOUT **Supplied**

See "Record Layout", next section

Variables are grouped under the following headings:

- Location
- Dwelling
- Characteristics of reference person
- Characteristics of spouse of reference person
- Household description
- Household equipment (on December 31)
- Expenditure items
 - Food
 - Shelter
 - Household operation
 - Household furnishings and equipment
 - Clothing
 - Transportation
 - Health care
 - Personal care
 - Recreation
 - Reading materials and other printed matter
 - Education
 - Tobacco products and alcoholic beverages
 - Other expenses

RECORD LAYOUT

Field	Size	Implied Decimal	Position	Type*	Title	Variable Name
					LOCATION	Variable Name
1	5	0	1 - 5	c	Identification number	Caseld_PUMDF
2	5	0	6 - 10	n	Public-use microdata weight	Weight_PUMDF
3	1	0	11 - 11	c	Full-year/part-year household indicator	HhldIndicatorFYPY
4	2	0	12 - 13	c	Province/Territory	Province_PUMDF
5	1	0	14 - 14	c	Urban/rural code	UrbanRuralCode
6	1	0	15 - 15	c	Size of area of residence	UrbanSize_PUMDF
					DWELLING	Variable Name
7	1	0	16 - 16	c	Type of dwelling occupied at December 31	TypeOfDwelling_B001_PUMDF
8	1	0	17 - 17	c	Period of construction	YearDwellingBuilt_B003_PUMDF
9	2	0	18 - 19	c	Number of rooms	NumRoomCode_PUMDF
10	1	0	20 - 20	c	Number of bedrooms	NumBedRoomCode_PUMDF
11	1	0	21 - 21	c	Number of bathrooms	NumBathRoomCode_PUMDF
12	1	0	22 - 22	c	Dwelling tenure during reference year	TenureGroup_PUMDF
13	1	0	23 - 23	c	Dwelling tenure at December 31	Tenure_D001_PUMDF
14	11	2	24 - 34	n	Purchase price of home bought in 1997	PurchasePrice
15	11	2	35 - 45	n	Selling price of home sold in 1997	SellingPrice
16	1	0	46 - 46	c	Dwelling repairs needed	NeedRepairs_B004
17	11	2	47 - 57	n	Additions, renovations and alterations	AddRenolnst
18	11	2	58 - 68	n	New installations of equipment and fixtures	NewInstal
19	1	0	69 - 69	c	Year of move code	YearMoveCode_PUMDF
20	1	0	70 - 70	c	Purchased dwelling in 1997 indicator	PurchaseHomeYN_F001
21	1	0	71 - 71	c	Principal heating equipment	PrincipalHeatingCode_PUMDF
22	1	0	72 - 72	c	Age of principal heating equipment	AgeOfHeatingEquip_B010
23	1	0	73 - 73	c	Principal heating fuel	MainHeatingFuelCode_PUMDF
24	1	0	74 - 74	c	Principal heating fuel for hot water	MainHotWaterFuelCode_PUMDF
25	1	0	75 - 75	c	Principal cooking fuel	MainCookingFuelCode_PUMDF
26	1	0	76 - 76	c	Reduced rent reason	ReducedRentReason_I005
					CHARACTERISTICS OF REFERENCE PERSON	Variable Name
27	11	2	77 - 87	n	Income of reference person before taxes	TotalIncomeRefPers
28	11	2	88 - 98	n	Income of reference person from earnings	Earning_RefPers_PUMDF
29	11	2	99 - 109	n	Income of reference person from investment	IncInvestment_RefPers_PUMDF
30	11	2	110 - 120	n	Income of reference person from government transfers	IncTransfer_RefPers_PUMDF
31	11	2	121 - 131	n	Income of reference person from other sources	OtherSources_RefPers_PUMDF
32	1	0	132 - 132	c	Marital status of reference person	MaritalStatusRP_PUMDF
33	2	0	133 - 134	c	Age of reference person	AgeRefPersCode_PUMDF
34	2	0	135 - 136	c	Age group of reference person	AgeRefPersGroupCode_PUMDF
35	1	0	137 - 137	c	Sex of reference person	SexRefPers
36	2	0	138 - 139	n	Number of weeks worked full-time by reference person	WeekFT_RefPers_PUMDF
37	2	0	140 - 141	n	Number of weeks worked part-time by reference person	WeekPT_RefPers_PUMDF
38	1	0	142 - 142	c	Tenure of previous dwelling of reference person	RefPersOwnPrevDwell_D003
					CHARACTERISTICS OF SPOUSE OF REFERENCE PERSON	Variable Name
39	11	2	143 - 153	n	Income of spouse before taxes	TotalIncomeSpouse
40	11	2	154 - 164	n	Income of spouse from earnings	Earning_Spouse_PUMDF
41	11	2	165 - 175	n	Income of spouse from investment	IncInvestment_Spouse_PUMDF

Field	Size	Implied Decimal	Position	Type*	Title	
42	11	2	176 - 186	n	Income of spouse from government transfer payments	IncTransfer_Spouse_PUMDF
43	11	2	187 - 197	n	Income of spouse from other sources	OtherSources_Spouse_PUMDF
44	2	0	198 - 199	c	Age group of spouse	AgeSpouseGroupCode_PUMDF
45	2	0	200 - 201	c	Age of spouse	AgeSpouseCode_PUMDF
46	1	0	202 - 202	c	Sex of spouse	Sex_A004_PUMDF
47	2	0	203 - 204	c	Number of weeks worked full-time by spouse	WeekFT_Spouse_PUMDF
48	2	0	205 - 206	n	Number of weeks worked part-time by spouse	WeekPT_Spouse_PUMDF
49	1	0	207 - 207	n	Tenure of previous dwelling of spouse	SpouseOwnPrevDwell_D004_PUMDF
					HOUSEHOLD DESCRIPTION	Variable Name
50	1	0	208 - 208	c	Number of economic families in the household	EconomicFamilies_PUMDF
51	1	0	209 - 209	c	Household type	HhldComposition_PUMDF
52	2	0	210 - 211	n	Household size at December 31	HhldDec31
53	1	0	212 - 212	n	Number of males 0 to 4 in the household at December 31	NumMale0to4_Dec31_PUMDF
54	1	0	213 - 213	n	Number of females 0 to 4 in the household at December 31	NumFemale0to4_Dec31_PUMDF
55	1	0	214 - 214	n	Number of males 5 to 17 in the household at December 31	NumMale5to17_Dec31_PUMDF
56	1	0	215 - 215	n	Number of females 5 to 17 in the household at December 31	NumFemale5to17_Dec31_PUMDF
57	1	0	216 - 216	n	Number of youths 18 to 24 in the household at December 31	NumYouth18to24_Dec31_PUMDF
58	1	0	217 - 217	n	Number of adults 25 to 64 years in the household at December 31	NumPersAge25to64_Dec31_PUMDF
59	1	0	218 - 218	n	Number of seniors 65 years and over in the household at December 31	NumPersAge65plus_Dec31_PUMDF
60	2	0	219 - 220	n	Household size (number of persons a member sometime in 1997)	SizeOfHhld_Total
61	2	0	221 - 222	c	Age of youngest child (member sometime in 1997)	AgeYoungestPrimChild_PUMDF
62	3	0	223 - 225	n	Total number of weeks (sum for all household members)	NumWeeks_PUMDF
63	1	0	226 - 226	c	Number of full-time earners	NumEarnersFullTime_PUMDF
64	1	0	227 - 227	c	Number of part-time earners	NumEarnersPartTime_PUMDF
65	1	0	228 - 228	c	Household major source of income	MajorIncSource_PUMDF
66	11	2	229 - 239	n	Household income before taxes	HhldIncome
67	11	2	240 - 250	n	Household income from earnings	Earning_Hhld_PUMDF
68	11	2	251 - 261	n	Household income from investment	InclInvestment_Hhld_PUMDF
69	11	2	262 - 272	n	Income from government transfer payments	IncTransfer_Hhld_PUMDF
70	11	2	273 - 283	n	Household income from other sources	OtherSources_Hhld_PUMDF
71	11	2	284 - 294	n	Total other money receipts of household	OtherMoney_Hhld_PUMDF
72	11	2	295 - 305	n	Money flows (assets, loans and other debts)	MoneyFlows_Hhld_PUMDF
73	11	2	306 - 316	n	Household Registered Retirement Savings Plan (RRSP) change	RRSP_Hhld_PUMDF
74	1	0	317 - 317	c	Employment insurance benefit indicator	EmplInsIndicator
					HOUSEHOLD EQUIPMENT (AT DECEMBER 31)	Variable Name
75	1	0	318 - 318	c	Washing machine	WashingMachine_C017
76	1	0	319 - 319	c	Clothes dryer	ClothesDryer_C018
77	1	0	320 - 320	c	Dishwasher	Dishwasher_C016
78	1	0	321 - 321	c	Number of refrigerators	NumFridges_C001_PUMDF
79	1	0	322 - 322	c	Freezer	SeparateFreezerYN_C009
80	1	0	323 - 323	c	Microwave oven	MicrowaveYN_C008
81	1	0	324 - 324	c	Air conditioning	AirConditioning_C015

Field	Size	Implied Decimal	Position	Type*	Title	
82	1	0	325 - 325	c	Number of telephones	NumPhones_C004_PUMDF
83	1	0	326 - 326	c	Number of telephone numbers	NumPhoneNums_C006_PUMDF
84	1	0	327 - 327	c	Cellular telephone	CellPhoneYN_C007
85	1	0	328 - 328	c	Compact disc player	CDPlayerYN_C011
86	1	0	329 - 329	c	Cablevision	CableTV_YN_C010
87	1	0	330 - 330	c	Number of video cassette recorders	NumVCRs_C003_PUMDF
88	1	0	331 - 331	c	Home computer	ComputerYN_C012
89	1	0	332 - 332	c	Modem	ModemYN_C013_PUMDF
90	1	0	333 - 333	c	Internet use from home	InternetYN_C014_PUMDF
91	1	0	334 - 334	c	Number of colour televisions	NumColourTVs_C002_PUMDF
92	1	0	335 - 335	c	Number of vehicles owned at December 31	NumVehOwned_PUMDF
93	1	0	336 - 336	c	Vehicles leased at December 31	VehLeasedYN_PUMDF
EXPENDITURES						
FOOD						
94	11	2	337 - 347	n	Total food	F001
95	11	2	348 - 358	n	Food purchased from stores	F002
96	11	2	359 - 369	n	Food purchased from restaurants	F008
SHELTER						
97	11	2	370 - 380	n	Total shelter	G001
98	11	2	381 - 391	n	Principal accommodation	G002
99	11	2	392 - 402	n	Rented living quarters	G003
100	11	2	403 - 413	n	Rent (amount paid)	G004
101	11	2	414 - 424	n	Owned living quarters	G007
102	11	2	425 - 435	N	Regular mortgage payments	G040
103	11	2	436 - 446	n	Maintenance, repairs and replacements	G008
104	11	2	447 - 457	n	Condominium charges	G009
105	11	2	458 - 468	n	Property taxes	G010
106	11	2	469 - 479	n	Homeowners' insurance premiums	G011
107	11	2	480 - 490	n	Water, fuel and electricity	G019
108	11	2	491 - 501	n	Water and sewage	G020
109	11	2	502 - 512	n	Liquid fuels (e.g., oil, gas, etc.)	G022
110	11	2	513 - 523	n	Electricity	G024
111	11	2	524 - 534	n	Other accommodation	G025
112	11	2	535 - 545	n	Owned vacation home	G026
113	11	2	546 - 556	n	Traveller accommodation	G032
HOUSEHOLD OPERATION						
114	11	2	557 - 567	n	Total household operation	H001
115	11	2	568 - 578	n	Communications	H002
116	11	2	579 - 589	n	Telephone	H003
117	11	2	590 - 600	n	Purchase of telephones	H004
118	11	2	601 - 611	n	Telephone services	H005
119	11	2	612 - 622	n	Cellular services	H008
120	11	2	623 - 633	n	Internet services	H009
121	11	2	634 - 644	n	Postal and other communication services	H010
122	11	2	645 - 655	n	Child care expenses	H011
123	11	2	656 - 666	n	Domestic and other custodial service (excluding child care)	H016
124	11	2	667 - 677	n	Pet expenses	H017
125	11	2	678 - 688	n	Household cleaning supplies	H022
126	11	2	689 - 699	n	Paper, plastic and foil household supplies	H023
127	11	2	700 - 710	n	Garden supplies and services (excluding tools)	H026
HOUSEHOLD FURNISHINGS AND EQUIPMENT						
128	11	2	711 - 721	n	Total household furnishings and equipment	I001
129	11	2	722 - 732	n	Household furnishings	I002
130	11	2	733 - 743	n	Furniture	I003
131	11	2	744 - 754	n	Rugs, mats and underpadding	I004

Field	Size	Implied Decimal	Position	Type*	Title	
132	11	2	755 - 765	n	Window coverings and household textiles	I005
133	11	2	766 - 776	n	Art, antiques and decorative ware	I006
134	11	2	777 - 787	n	Household equipment	I010
135	11	2	788 - 798	n	Household appliances	I011
136	11	2	799 - 809	n	Other household tools, equipment and accessories	TotI027
137	11	2	810 - 820	n	Maintenance and repair of furniture and equipment	I042
138	11	2	821 - 831	n	Services related to furnishings and equipment	I046
					CLOTHING	
139	11	2	832 - 842	n	Total clothing	J001
140	11	2	843 - 853	n	Women' s and girls' wear including gifts (4 years and over)	J002
141	11	2	854 - 864	n	Clothing gifts to non-household members - Women and girls (4 years and over)	J007
142	11	2	865 - 875	n	Men' s and boys' wear including gifts (4 years and over)	J008
143	11	2	876 - 886	n	Clothing gifts to non-household members - Men and boys (4 years and over)	J013
144	11	2	887 - 897	n	Children's wear including gifts (under 4 years)	J014
145	11	2	898 - 908	n	Clothing gifts to non-household members - Children (under 4 years)	J017
146	11	2	909 - 919	n	Clothing material and notions	TotJ019
147	11	2	920 - 930	n	Clothing services	J021
148	11	2	931 - 941	n	Laundry and dry-cleaning	TotJ023
					TRANSPORTATION	
149	11	2	942 - 952	n	Total transportation	K001
150	11	2	953 - 963	n	Private transportation	K002
151	11	2	964 - 974	n	Purchase of automobiles and trucks	K003
152	11	2	975 - 985	n	Accessories and attachments for automobiles and trucks	K007
153	11	2	986 - 996	n	Rented and leased automobiles and trucks	K008
154	11	2	997 - 1007	n	Operation of owned and leased automobiles and trucks	K019
155	11	2	1008 - 1018	n	Gasoline and other fuels	K020
156	11	2	1019 - 1029	n	Automotive maintenance and repair jobs	K022
157	11	2	1030 - 1040	n	Garage rent and parking	K023
158	11	2	1041 - 1051	n	Private and public vehicle insurance premiums	K028
159	11	2	1052 - 1062	n	Public transportation	K031
160	11	2	1063 - 1073	n	Local and commuter transportation	TotK032
161	11	2	1074 - 1084	n	Inter-city transportation	TotK034
162	11	2	1085 - 1095	n	Other passenger transportation	K037
163	11	2	1096 - 1106	n	Household movers, storage and delivery services	K038
					HEALTH CARE	
164	11	2	1107 - 1117	n	Total health care	L101
165	11	2	1118 - 1128	n	Direct health care costs to household	L102
166	11	2	1129 - 1139	n	Health care supplies	L103
167	11	2	1140 - 1150	n	Medicinal and pharmaceutical products	L104
168	11	2	1151 - 1161	n	Prescription drugs	L105
169	11	2	1162 - 1172	n	Other medicines, drugs and pharmaceutical products	L106
170	11	2	1173 - 1183	n	Physicians' care	L107
171	11	2	1184 - 1194	n	Eye, care goods and services	L108
172	11	2	1195 - 1205	n	Dental care	L112

Field	Size	Implied Decimal	Position	Type*	Title	
173	11	2	1206 - 1216	n	Hospital and other health care services	L113
174	11	2	1217 - 1227	n	Hospital care	L114
175	11	2	1228 - 1238	n	Other health care services	L115
176	11	2	1239 - 1249	n	Other health care practitioners	L116
177	11	2	1250 - 1260	n	Other medical services	L117
178	11	2	1261 - 1271	n	Health insurance premiums	L118
179	11	2	1272 - 1282	n	Public hospital, medical and drug insurance plans	L119
180	11	2	1283 - 1293	n	Private health care insurance plans	L120
PERSONAL CARE						
181	11	2	1294 - 1304	n	Total personal care	L201
182	11	2	1305 - 1315	n	Personal care supplies and equipment	L202
183	11	2	1316 - 1326	n	Hair grooming and other personal care services	L207
RECREATION						
184	11	2	1327 - 1337	n	Total recreation	M101
185	11	2	1338 - 1348	n	Recreation equipment and associated services	M102
186	11	2	1349 - 1359	n	Sports and athletic equipment	M103
187	11	2	1360 - 1370	n	Toys, games and hobby equipment	M105
188	11	2	1371 - 1381	n	Computer equipment and supplies	M110
189	11	2	1382 - 1392	n	Photographic goods and services	M116
190	11	2	1393 - 1403	n	Recreation vehicles and associated services	M126
191	11	2	1404 - 1414	n	Purchase of recreation vehicles	M127
192	11	2	1415 - 1425	n	Bicycles, parts and accessories	M128
193	11	2	1426 - 1436	n	Purchase of other vehicles and outboard motors	M129
194	11	2	1437 - 1447	n	Operation of recreational vehicles	M139
195	11	2	1448 - 1458	n	Bicycle maintenance and repairs	M140
196	11	2	1459 - 1469	n	Other recreation vehicle operation	M141
197	11	2	1470 - 1480	n	Expenses for rented and leased recreational vehicles	M180
198	11	2	1481 - 1491	n	Home entertainment equipment and services	M148
199	11	2	1492 - 1502	n	Audio equipment (e.g., radio, CD player, speaker, etc.)	M150
200	11	2	1503 - 1513	n	Compact discs, audio tapes, videotapes and video-discs	M151
201	11	2	1514 - 1524	n	Blank audio and videotapes	M152
202	11	2	1525 - 1535	n	Television sets, VCRs, camcorders and other television/video components	M153
203	11	2	1536 - 1546	n	Rental of videotapes and video-discs	M156
204	11	2	1547 - 1557	n	Rental of home entertainment equipment and other services	M157
205	11	2	1558 - 1568	n	Recreation services	M159
206	11	2	1569 - 1579	n	Entertainment	M160
207	11	2	1580 - 1590	n	Movie theatres	M161
208	11	2	1591 - 1601	n	Live sports events (as a spectator)	M162
209	11	2	1602 - 1612	n	Live performing arts	M163
210	11	2	1613 - 1623	n	Rental of cablevision and satellite services	M165
211	11	2	1624 - 1634	n	Use of recreation facilities	M166
212	11	2	1635 - 1645	n	Membership fees and dues for sports and recreation facilities	M167
213	11	2	1646 - 1656	n	Fees for single usage of sports and recreation facilities	M168
214	11	2	1657 - 1667	n	Children' s camps	M171
215	11	2	1668 - 1678	n	Admission to museums and other activities and venues	M164
216	11	2	1679 - 1689	n	Package travel tours	M172

Field	Size	Implied Decimal	Position	Type*	Title	
217	11	2	1690 - 1700	n	Other cultural and recreational services	M173
					READING MATERIALS AND OTHER PRINTED MATTER	
218	11	2	1701 - 1711	n	Total reading materials and other printed matter	M201
219	11	2	1712 - 1722	n	Newspapers	M202
220	11	2	1723 - 1733	n	Magazines and periodicals	M203
221	11	2	1734 - 1744	n	Books and pamphlets (excluding school books)	M204
					EDUCATION	
222	11	2	1745 - 1755	n	Total education	M301
223	11	2	1756 - 1766	n	Education supplies and textbooks	TotM302
224	11	2	1767 - 1777	n	Tuition fees	M308
					TOBACCO PRODUCTS AND ALCOHOLIC BEVERAGES	
225	11	2	1778 - 1788	n	Total tobacco products and alcoholic beverages	N101
226	11	2	1789 - 1799	n	Tobacco products and smokers' supplies	N102
227	11	2	1800 - 1810	n	Cigarettes, cigars and similar products	N103
228	11	2	1811 - 1821	n	Alcoholic beverages	N105
229	11	2	1822 - 1832	n	Alcoholic beverages served on licensed premises	N106
230	11	2	1833 - 1843	n	Alcoholic beverages purchased from stores	N107
231	11	2	1844 - 1854	n	Self-made alcoholic beverages	N108
					OTHER EXPENSES	
232	11	2	1855 - 1865	n	Miscellaneous expenses (other property, financial services, union and club dues, forfeited deposits, money lost, work tools and equipment)	O101
233	11	2	1866 - 1876	n	Financial services	O104
234	11	2	1877 - 1887	n	Dues to unions and professional associations	O109
235	11	2	1888 - 1898	n	Games of chance expenses (net)	N201
236	11	2	1899 - 1909	n	Personal taxes	O201
237	11	2	1910 - 1920	n	Personal insurance payments and pension contributions	O301
238	11	2	1921 - 1931	n	Life insurance premiums, annuity contracts and transfers to RRIFs	TotO302
239	11	2	1932 - 1942	N	Employment insurance premiums (deductions from pay)	O304
240	11	2	1943 - 1953	n	Retirement and pension fund payments	O305
241	11	2	1954 - 1964	n	Canada and Quebec Pension Plan	O306
242	11	2	1965 - 1975	n	Other government retirement and pension funds	O307
243	11	2	1976 - 1986	n	Other retirement and pension funds (excluding RRSPs)	O308
244	11	2	1987 - 1997	n	Gifts of money and contributions	O401
245	11	2	1998 - 2008	n	Money and support payments (to persons in Canada)	O403
246	11	2	2009 - 2019	n	Money and support payments (to persons outside Canada)	O404
247	11	2	2020 - 2030	n	Contributions to charity (religious)	O406
248	11	2	2031 - 2041	n	Contributions to charity (non-religious)	O407
249	11	2	2042 - 2052	n	Total current consumption	Expense_Current
250	11	2	2053 - 2063	n	Total expenditures	Expense_Total

* n = numerical
c = character

VARIABLE DESCRIPTIONS

Location

Variable Name: **CaseID_PUMDF**
Description: Identification number

Variable Name: **Weight_PUMDF**
Description: Public-use microdata weight

Note: Revised, May 2001. See the Introduction.

Variable Name: **HhIdIndicatorFYPY**
Unit Type: Code
Description: Full-year/part-year household indicator

Code	Description
1	Full-year household
2	Part-year household

Note: The variable *Full-year/part-year household indicator* has been created to identify households. To create statistics for average annual expenditures, users should use data for full-year households. To tabulate dwelling characteristics, household equipment or create other types of expenditure statistics such as aggregates or market share, users should use data for full-year and part-year households.

Variable Name: **Province_PUMDF**
Unit Type: Code
Description: Province/Territory

Code	Description
00	Masked records
10	Newfoundland
11	Prince Edward Island
12	Nova Scotia
13	New Brunswick
24	Quebec
35	Ontario
46	Manitoba
47	Saskatchewan
48	Alberta
59	British Columbia
60	All Territories

Variable Name: **UrbanRuralCode**
Unit Type: Code
Description: Urban/rural code

Code	Description
0	Masked records
1	Urban
2	Rural

Variable Name: **UrbanSize_PUMDF**
Unit Type: Code
Description: Size of area of residence

Code	Description
0	Masked records
1	Urban - 30,000 and over
2	Urban - Under 30,000
3	Rural

Dwelling

Variable Name: **TypeOfDwelling_B001_PUMDF**
Unit Type: Code
Description: Type of dwelling occupied at December 31

1 (If SHS_B:001 =01)
2 (If SHS_B:001 =02)
3 (If SHS_B:001 =03)
4 (If SHS_B:001 =04)
5 (If SHS_B:001 = (05 or 06))
6 (If SHS_B:001 between 07 and 09)

Code	Description
1	Single detached
2	Double
3	Row or terrace
4	Duplex
5	Apartment
6	Hotel, rooming or lodging house, mobile home, or other

Note: This variable describes the type of dwelling in which the household resided on December 31. A dwelling is a structurally separate set of living premises with a private entrance from outside the building or from a common hall or stairway.

Single detached: A structure with one dwelling only, separated by open space from all other structures.

Double or semi-detached: A dwelling joined to only one other dwelling, separated from it by a wall extending from ground to roof.

Row or terrace: A dwelling unit in a row of three or more dwellings, sharing common walls extending from ground to roof and in which there are no other dwellings either above or below.

Duplex: Two dwellings, situated one above the other, not attached to any other structure and surrounded on all sides by open space.

Apartment: Dwellings in triplexes, quadruplexes or apartments separated from other dwellings by horizontal and vertical divisions.

Hotel, rooming or lodging house, mobile home, or other:

Includes:

- motels, hotels, tourist homes, halfway houses, school residences, hotels, YM/YMCA's;
- all rooming and lodging houses or individual rooms within such structures;
- bunk houses in lumber, mining, construction and military camps, and Hutterite colonies;
- mobile homes - movable dwellings designed and constructed to be transported (by road) on their own chassis to a site, and placed on a temporary foundation such as block posts or a prepared pad;
- others - dwellings (other than mobile homes) used as permanent residences and capable of being moved on short notice, e.g., motor homes, tents, railroad cars, houseboats (including float-houses and live-aboard boats).

Additional clarification: Although we exclude identified collectives at the time of survey, it is possible that on December 31 the household lived in a collective and that is why this option is included in Type of Dwelling.

Variable Name: **YearDwellingBuilt_B003_PUMDF**
Unit Type: Code
Description: Period of construction

- 1 (If SHS_B:003 =10)
- 2 (If SHS_B:003 =11)
- 3 (If SHS_B:003 =12)
- 4 (If SHS_B:003 =13)
- 5 (If SHS_B:003 =14)
- 6 (If SHS_B:003 =15)
- 7 (If SHS_B:003 = (16 or 17))

Code	Description
1	1920 or before
2	1921 - 1945
3	1946 - 1960
4	1961 - 1970
5	1971 - 1980
6	1981 - 1990
7	1991 to survey year

Note: This variable gives the year or period in which the original building was constructed.

Variable Name: **NumRoomCode_PUMDF**
Unit Type: Count
Description: Number of rooms

- 01-10 (If SHS_B:005 between 1 and 10)
- 11 (If SHS_B:005 >10)

Code	Description
01-10	Actual numbers
11	11 or more rooms

Note: This variable includes the kitchen, bedrooms, and finished rooms in the attic or basement. It excludes bathrooms, halls, vestibules and rooms used solely for business purposes.

Variable Name: **NumBedRoomCode_PUMDF**
 Unit Type: Count
 Description: Number of bedrooms

0-4 (If SHS_B:006 between 0 and 4)
 5 (If SHS_B:006 >4)

Code	Description
0-4	Actual numbers
5	5 or more bedrooms

Note: This variable includes all rooms designated as bedrooms even though the use may be occasional, as in the case of "spare" bedrooms. Exclude rooms designated as dining rooms, living rooms, etc., which may be used as bedrooms at night. Bedrooms that were built in the basement of a dwelling are included.

Variable Name: **NumBathRoomCode_PUMDF**
 Unit Type: Count
 Description: Number of bathrooms

0-2 (If SHS_B:007 between 0 and 2)
 3 (If SHS_B:007 >2)

Code	Description
0-2	Actual numbers
3	3 or more bathrooms

Note: This variable indicates the number of rooms in the dwelling with an installed bathtub and/or shower.

Variable Name: **TenureGroup_PUMDF**
 Unit Type: Code
 Description: Dwelling tenure during reference year

Dwelling tenure = Code 1 (Homeowner without mortgage)
 when SHS_E:002 between 1 and 11 + SHS_D:001 =1 + SHS_I:001 =0;
 or when SHS_E:002 =12 + SHS_D:001 =1

Dwelling tenure = Code 2 (Homeowner with mortgage)
 when SHS_E:002 between 1 and 11 + SHS_D:001 =2 + SHS_I:001 =0;
 or when SHS_E:002 =12 + SHS_D:001 =2

Dwelling tenure = Code 3 (Tenants)
 when SHS_E:002 =0 + SHS_D:001 =3 + SHS_I:001 between 1 and 11;
 or when SHS_E:002 =0 + SHS_D:001 =3 + SHS_I:001 =12;

or when SHS_E:002 between 1 and 11 + SHS_D:001 =3 + SHS_I:001 =12;
 or when SHS_E:002 =12 + SHS_D:001 =3 + SHS_I:001 =12;
 or when SHS_E:002 =0 + SHS_D:001 =4 + SHS_I:001 between 1 and 11;
 or when SHS_E:002 =0 + SHS_D:001 =4 + SHS_I:001 =12;
 or when SHS_E:002 between 1 and 11 + SHS_D:001 =4 + SHS_I:001 =12;
 or when SHS_E:002 =12 + SHS_D:001 =4 + SHS_I:001 =12

Dwelling tenure = Code 4 (Mixed tenure)

when SHS_E:002 between 1 and 11 + SHS_D:001 =1 + SHS_I:001 between 1 and 11;
 or when SHS_E:002 between 1 and 11 + SHS_D:001 =2 + SHS_I:001 between 1 and 11;
 or when SHS_E:002 between 1 and 11 + SHS_D:001 =1 + SHS_I:001 =12;
 or when SHS_E:002 between 1 and 11 + SHS_D:001 =2 + SHS_I:001 =12;
 or when SHS_E:002 between 1 and 11 + SHS_D:001 =3 + SHS_I:001 between 1 and 11;
 or when SHS_E:002 between 1 and 11 + SHS_D:001 =4 + SHS_I:001 between 1 and 11;
 or when SHS_E:002 =12 + SHS_D:001 =3 + SHS_I:001 between 1 and 11;
 or when SHS_E:002 =12 + SHS_D:001 =4 + SHS_I:001 between 1 and 11

Code	Description
1	Homeowner without mortgage
2	Homeowner with mortgage
3	Tenants
4	Mixed tenure

Note: Homeowner with mortgage indicates that the dwelling is owned by a household member for the entire reference year and that there is a mortgage.

Homeowner without mortgage indicates that the dwelling is owned by a household member for the entire reference year and that there is no mortgage.

Tenant indicates that the dwelling is rented by the household for the entire reference year or occupied rent-free.

Variable Name: **Tenure_D001_PUMDF**
 Unit Type: Code
 Description: Dwelling tenure at December 31

1 (If SHS_D:001 =1)
 2 (If SHS_D:001 =2)
 3 (If SHS_D:001 = (3 or 4))

Code	Description
1	Owned without mortgage by the household
2	Owned with mortgage by the household
3	Rented or occupied rent-free by the household

Note: Owned with mortgage indicates that the dwelling is owned by a household member and that there is a mortgage as of December 31.

Owned without mortgage indicates that the dwelling is owned by a household member and that there is no mortgage as of December 31.

Variable Name: **PurchasePrice**
Unit Type: Dollar (\$)
Description: Purchase price of home bought in 1997

SHS_F:003

Variable Name: **SellingPrice**
Unit Type: Dollar (\$)
Description: Selling price of home sold in 1997

SHS_F:006

Variable Name: **NeedRepairs_B004**
Unit Type: Code
Description: Dwelling repairs needed

1 (If SHS_B:004 =18)
2 (If SHS_B:004 =19)
3 (If SHS_B:004 =20)

Code	Description
1	Yes, major repairs were needed
2	Yes, minor repairs were needed
3	No, only regular maintenance was needed

Note: This variable indicates the respondent's perception of the repairs the dwelling needed on December 31 to restore it to its original condition. Remodelling, additions, conversions, or energy improvements, which would upgrade the dwelling over and above its original condition, are not included.

Variable Name: **AddRenolnst**
Unit Type: Dollar (\$)
Description: Additions, renovations and alterations

SHS_H:002 + SHS_H:004 + SHS_H:006

Variable Name: **NewInstal**
Unit Type: Dollar (\$)
Description: New installations of equipment and fixtures

SHS_H:009 + SHS_H:012 + SHS_H:015

Variable Name: **YearMoveCode_PUMDF**
Unit Type: Code
Description: Year of move code

SHS_D:002

Code	Description
1	Before 1970
2	1970 - 1979
3	1980 - 1989
4	1990 - 1996
5	1997

Note: This item refers to the year the household moved into the dwelling. If the dwelling was occupied by previous generations, the first year that the household member who has occupied the dwelling the longest is recorded.

Variable Name: **PurchaseHomeYN_F001**
 Unit Type: Code
 Description: Purchased dwelling in 1997 indicator

SHS_F:001

Code	Description
0	No
1	Yes

Variable Name: **PrincipalHeatingCode_PUMDF**
 Unit Type: Code
 Description: Principal heating equipment

- 1 (If SHS_B:008 =01)
- 2 (If SHS_B:008 = (02 or 03))
- 3 (If SHS_B:008 = (04, 06 or 07))
- 4 (If SHS_B:008 =06)

Code	Description
1	Steam or hot water furnace
2	Forced hot air and other hot air furnace
3	Heating stoves (including wood stove), cookstove, or other
4	Electric heating

Note: This variable indicates the type of heating equipment that is chiefly used to heat the dwelling in winter.

Steam or hot water furnace: Steam or hot water furnaces distribute central heating through radiators located throughout the house and connected by pressure pipes.

Forced hot air furnace: Forced hot air furnaces distribute central heating by a motor-driven fan through vents located throughout the dwelling. (This is the most common central heating system.) Furnaces with a pump are included in this category. Other hot air furnaces distribute central heating by convection (natural) flow of hot air through vents located throughout the house. Gravity furnaces are included in this category.

Heating stoves (including wood stove), cookstove, and other: Heating stoves are localized heating units with no central distribution system to other parts of the house (e.g., oil space heater, gas space heater, wood stoves). Also includes cookstoves and any other type of heating equipment not listed above.

Electric heating includes permanently installed baseboard electric heating and other types such as floor or ceiling heating wires in all or most rooms.

Variable Name: **AgeOfHeatingEquip_B010**
Unit Type: Code
Description: Age of principal heating equipment

- 1 (If SHS_B:010 =08)
- 2 (If SHS_B:010 =09)
- 3 (If SHS_B:010 =10)
- 4 (If SHS_B:010 =11)
- 5 (If SHS_B:010 =12)

Code	Description
1	5 years or less
2	6 to 10 years
3	11 to 15 years
4	16 to 20 years
5	Over 20 years

Note: This variable indicates how long ago the principal heating equipment was installed.

Variable Name: **MainHeatingFuelCode_PUMDF**
Unit Type: Code
Description: Principal heating fuel

- 1 (If SHS_B:011 =13)
- 2 (If SHS_B:011 =14)
- 3 (If SHS_B:011 =16)
- 4 (If SHS_B:011 = (15, 17 or 18))

Code	Description
1	Oil or other liquid fuel
2	Piped gas (natural gas)
3	Electricity
4	Bottled gas (propane), wood, or other

Note: The principal winter fuel used in the principal heating equipment is given here (e.g., oil or other liquid fuel, piped or bottled gas, electricity, wood or other fuels).

Variable Name: **MainHotWaterFuelCode_PUMDF**
Unit Type: Code
Description: Principal heating fuel for hot water

- 1 (If SHS_B:013 =19)
- 2 (If SHS_B:013 =20)
- 3 (If SHS_B:013 = (21, and between 23 and 25))
- 4 (If SHS_B:013 =22)

Code	Description
1	Oil or other liquid fuel
2	Piped gas (natural gas)
3	Bottled gas (propane), wood, other, or no running hot water
4	Electricity

Note: This variable indicates the type of fuel used for the running hot water supply (e.g., oil or other liquid fuel, piped gas, electricity or other fuels such as bottled gas or wood).

Variable Name: **MainCookingFuelCode_PUMDF**
 Unit Type: Code
 Description: Principal cooking fuel

1 (If SHS_B:015 =27)
 2 (If SHS_B:015 =29)
 3 (If SHS_B:015 = (26, 28, 30 or 31))

Code	Description
1	Piped gas (natural gas)
2	Electricity
3	Oil or other liquid fuel, bottled gas (propane), wood, or other

Note: This variable indicates the main fuel for the range or stove on which the household does most of the cooking (e.g., piped gas, electricity or other cooking fuels). "Other" includes oil or other liquid fuel, bottled gas and wood.

Variable Name: **ReducedRentReason_I005**
 Unit Type: Code
 Description: Reduced rent reason

SHS_I:005

Code	Description
0	Dwelling not rented
1	Government subsidized housing
2	Other reason (e.g. services to landlord)
3	No reduced rent

Characteristics of Reference Person

Variable Name: **TotalIncomeRefPers**
 Unit Type: Dollar (\$)
 Description: Income of reference person before taxes

Sum(SHS_U:004 for Reference Person: If (SHS_A:012 between 1 and 3))
 Sum(SHS_U:005 for Reference Person: If (SHS_A:012 between 1 and 3))
 Sum(SHS_U:006 for Reference Person: If (SHS_A:012 between 1 and 3))
 Sum(SHS_U:007 for Reference Person: If (SHS_A:012 between 1 and 3))
 Sum(SHS_U:008 for Reference Person: If (SHS_A:012 between 1 and 3))
 Sum(SHS_U:009 for Reference Person: If (SHS_A:012 between 1 and 3))
 Sum(SHS_U:010 for Reference Person: If (SHS_A:012 between 1 and 3))
 Sum(SHS_U:011 for Reference Person: If (SHS_A:012 between 1 and 3))

Sum(SHS_U:012 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:013 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:014 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:015 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:016 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:018 for Reference Person: If (SHS_A:012 between 1 and 3))

Variable Name: **Earning_RefPers_PUMDF**
Unit Type: Dollar (\$)
Description: Income of reference person from earnings

Sum(SHS_U:004 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:005 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:006 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:007 for Reference Person: If (SHS_A:012 between 1 and 3))

Variable Name: **IncInvestment_RefPers_PUMDF**
Unit Type: Dollar (\$)
Description: Income of reference person from investment

Sum(SHS_U:008 for Reference Person: If (SHS_A:012 between 1 and 3))

Variable Name: **IncTransfer_RefPers_PUMDF**
Unit Type: Dollar (\$)
Description: Income of reference person from government transfers

Sum(SHS_U:009 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:010 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:011 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:012 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:013 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:014 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:015 for Reference Person: If (SHS_A:012 between 1 and 3))

Variable Name: **OtherSources_RefPers_PUMDF**
Unit Type: Dollar (\$)
Description: Income of reference person from other sources

Sum(SHS_U:016 for Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:018 for Reference Person: If (SHS_A:012 between 1 and 3))

Variable Name: **MaritalStatusRP_PUMDF**
Unit Type: Code
Description: Marital status of reference person

SHS_A:005

Code	Description
1	Married or common law
2	Never married (single)
3	Other (separated, divorced, etc.)

Variable Name: **AgeRefPersCode_PUMDF**
Unit Type: Code
Description: Age of reference person

SHS_A:003

Code	Description
24	Less than 25 years
25 to 79	Actual numbers in years
80	80-84 years
85	85 years and over

Variable Name: **AgeRefPersGroupCode_PUMDF**
Unit Type: Code
Description: Age group of reference person

SHS_A:003

Code	Description
01	Less than 25 years
02	25-29 years
03	30-34 "
04	35-39 "
05	40-44 "
06	45-49 "
07	50-54 "
08	55-59 "
09	60-64 "
10	65-69 "
11	70-74 "
12	75-79 "
13	80-84 "
14	85 years and over

Variable Name: **SexRefPers**
Unit Type: Code
Description: Sex of reference person

Sex (SHS_A:004) of person having relationship (SHS_A:002) = 1

Code	Description
1	Male
2	Female

Variable Name: **WeekFT_RefPers_PUMDF**
Unit Type: Count
Description: Number of weeks worked full-time by reference person

SHS_U:002

Code Description
00 to 52 Actual numbers

Variable Name: **WeekPT_RefPers_PUMDF**
Unit Type: Count
Description: Number of weeks worked part-time by reference person

SHS_U:003

Code Description
00 to 52 Actual numbers

Variable Name: **RefPersOwnPrevDwell_D003**
Unit Type: Code
Description: Tenure of previous dwelling of reference person

SHS_D:003

Code	Description
0	Before 1992
1	Owned
2	Rented
3	Did not maintain own dwelling

Characteristics of Spouse Of Reference Person

Variable Name: **TotalIncomeSpouse**
Unit Type: Dollar (\$)
Description: Income of spouse before taxes

Sum(SHS_U:004 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:005 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:006 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:007 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:008 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:009 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:010 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:011 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:012 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:013 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:014 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:015 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:016 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:018 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))

Variable Name: **Earning_Spouse_PUMDF**
Unit Type: Dollar (\$)
Description: Income of spouse from earnings

Sum(SHS_U:004 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:005 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))

Sum(SHS_U:006 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:007 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))

Variable Name: **IncInvestment_Spouse_PUMDF**
Unit Type: Dollar (\$)
Description: Income of spouse from investment

Sum(SHS_U:008 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))

Variable Name: **IncTransfer_Spouse_PUMDF**
Unit Type: Dollar (\$)
Description: Income of spouse from government transfer payments

Sum(SHS_U:009 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:010 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:011 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:012 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:013 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:014 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:015 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))

Variable Name: **OtherSources_Spouse_PUMDF**
Unit Type: Dollar (\$)
Description: Income of spouse from other sources

Sum(SHS_U:016 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))
Sum(SHS_U:018 for Spouse of Reference Person: If (SHS_A:012 between 1 and 3))

Variable Name: **AgeSpouseGroupCode_PUMDF**
Unit Type: Code
Description: Age group of spouse

SHS_A:003

Code	Description
00	No spouse
01	Less than 25 years
02	25-29 years
03	30-34 "
04	35-39 "
05	40-44 "
06	45-49 "
07	50-54 "
08	55-59 "
09	60-64 "
10	65-69 "
11	70-74 "
12	75-79 "
13	80-84 "
14	85 years and over

Variable Name: **AgeSpouseCode_PUMDF**
Unit Type: Code
Description: Age of spouse

SHS_A:003

Code	Description
00	No spouse
24	Less than 25 years
25 to 79	Actual numbers in years
80	80-84 years
85	85 years and over

Variable Name: **Sex_A004_PUMDF**
Unit Type: Code
Description: Sex of spouse

Sex (SHS_A:004) of person having relationship (SHS_A:002) = 2

Code	Description
0	No spouse
1	Male
2	Female

Variable Name: **WeekFT_Spouse_PUMDF**
Unit Type: Count
Description: Number of weeks worked full-time by spouse

SHS_U:002

Code	Description
00 to 52	Actual numbers
99	No spouse

Variable Name: **WeekPT_Spouse_PUMDF**
Unit Type: Count
Description: Number of weeks worked part-time by spouse

SHS_U:003

Code	Description
00 to 52	Actual numbers
99	No spouse

Variable Name: **SpouseOwnPrevDwell_D004_PUMDF**
Unit Type: Code
Description: Tenure of previous dwelling of spouse

SHS_D:004

Code	Description
0	Before 1992
1	Owned
2	Rented
3	Did not maintain own dwelling
9	No spouse

Household Description

Variable Name: **EconomicFamilies_PUMDF**
 Unit Type: Count
 Description: Number of economic families in the household

SHS_A:006

Code	Description
1	1
2	2 or more

Variable Name: **HhldComposition_PUMDF**
 Unit Type: Code
 Description: Household type

1. One-person household
Size of household = 1
2. Married couple household only
Size of household = 2 and marital status (A:005) = 1 or 2 and member of household December 31 (A:007) = 1 and person data collection code (A:012) = 1 to 3 for both reference person and spouse
3. Married couple household with single children only
Marital status (A:005) = 1 or 2 and member of household December 31 (A:007) = 1 and person data collection code (A:012) = 1 to 3 for both reference person and spouse and primary children > 0 and secondary persons = 0
4. Married couple household with other relatives only
Marital status (A:005) = 1 or 2 and member of household December 31 (A:007) = 1 and person data collection code (A:012) = 1 to 3 for both reference person and spouse and related secondary persons > 0 and unrelated secondary persons = 0

Married couple household with any unrelated persons
Marital status (A:005) = 1 or 2 and member of household December 31 (A:007) = 1 and person data collection code (A:012) = 1 to 3 for both reference person and spouse and unrelated secondary persons > 0
5. Lone-parent (person aged 17 years or over with child) with no additional persons
No person with relationship (A:002) = 02 and primary children > 0 and secondary persons = 0
6. Other household with relatives only
Any other household where related secondary persons > 0 and unrelated secondary persons = 0 or household with spouse not married or not present December 31 (any

person with relationship (A:002) = 02 and marital status (A:005) not 1 or 2 or member of household December 31 (A:007) not 1) and person data collection code (A:012) = 1 to 3 and unrelated secondary persons = 0)

7. Other household with any unrelated persons
Any other household with at least one person with person data collection code (A:012) = 1 to 3

Code	Description
1	One person
2	Married couple only
3	Married couple with single children only
4	Married couple with other relatives or any unrelated persons
5	Lone parent (person aged 17 years and over with child) with no additional persons
6	Other household with relatives only
7	Other household with any unrelated persons

Variable Name: **HhldDec31**
Unit Type: Count
Description: Household size at December 31

SHS_A:007 = 1

Count of persons member on December 31 (A:007) = 1

Variable Name: **NumMale0to4_Dec31_PUMDF**
Unit Type: Count
Description: Number of males 0 to 4 years old in the household at December 31.

Count of persons having age (reference year – year of birth (A:003)) < 5 and person data collection code (A:012) = 1 to 3 and member on December 31 (A:007) = 1

Variable Name: **NumFemale0to4_Dec31_PUMDF**
Unit Type: Count
Description: Number of females 0 to 4 years old in the household at December 31.

Count of persons having age (reference year – year of birth (A:003)) < 5 and person data collection code (A:012) = 1 to 3 and member on December 31 (A:007) = 1

Variable Name: **NumMale5to17_Dec31_PUMDF**
Unit Type: Count
Description: Number of males 5 to 17 years old in the household at December 31.

Count of persons having age (reference year – year of birth (A:003)) > 4 and < 18 and person data collection code (A:012) = 1 to 3 and member on December 31 (A:007) = 1

Variable Name: **NumFemale5to17_Dec31_PUMDF**
Unit Type: Count
Description: Number of females 5 to 17 years old in the household at December 31.

Count of persons having age (reference year – year of birth (A:003)) > 4 and < 18 and person data collection code (A:012) = 1 to 3 and member on December 31 (A:007) = 1

Variable Name: **NumYouth18to24_Dec31_PUMDF**
Unit Type: Count
Description: Number of youths aged 18 to 24 years in the household at December 31

Count of persons having age (reference year – year of birth (A:003)) > 17 and < 25 and person data collection code (A:012) = 1 to 3 and member on December 31 (A:007) = 1

Variable Name: **NumPersAge25to64_Dec31_PUMDF**
Unit Type: Count
Description: Number of adults aged 25 to 64 years in the household at December 31

Count of persons having age (reference year – year of birth (A:003)) > 24 and < 65 and person data collection code (A:012) = 1 to 3 and member on December 31 (A:007) = 1

Variable Name: **NumPersAge65plus_Dec31_PUMDF**
Unit Type: Count
Description: Number of seniors aged 65 and over in the household at December 31

Count of persons having age (reference year – year of birth (A:003)) > 64 and person data collection code (A:012) = 1 to 3 and member on December 31 (A:007) = 1

Variable Name: **SizeOfHhld_Total**
Unit Type: Count
Description: Household size (number of persons a member sometime in 1997)

Count of persons in the household with person data collection code (SHS_A:012) = 1 to 3

Variable Name: **AgeYoungestPrimChild_PUMDF**
Unit Type: Code
Description: Age of youngest child (member sometime in 1997)

This is the lowest age (reference year - year of birth (SHS_A:003)) of any person in the household with relationship (SHS_A:002) = 3 and marital status (SHS_A:005) = 3 and person data collection code (SHS_A:012) = 1 to 3 if present, otherwise set to 99

Code	Description
00 to 24	Actual numbers in years
25	25 years and over
99	Without children

Variable Name: **NumWeeks_PUMDF**
Unit Type: Count
Description: Total number of weeks (sum for all household members)

Divide by 52 to obtain year equivalent household size

SHS_A:009

Variable Name: **NumEarnersFullTime_PUMDF**
Unit Type: Count
Description: Number of full-time earners

Count of persons having employment status = 1 and person data collection code (SHS_A:012) = 1 to 3

Weeks worked (full-time weeks (SHS_U:002) + part-time weeks (SHS_U:003)) \geq 49 and full-time weeks (SHS_U:002) \geq 25

Maximum value of weeks worked is limited to 52.

Code	Description
0	None
1	1
2	2 or more

Variable Name: **NumEarnersPartTime_PUMDF**
Unit Type: Count
Description: Number of part-time earners

Count of persons having employment status = 2 and person data collection code (SHS_A:012) = 1 to 3

Weeks worked (full-time weeks (SHS_U:002) + part-time weeks (SHS_U:003)) = 1 to 48 or weeks worked (full-time weeks (SHS_U:002) + part-time weeks (SHS_U:003)) \geq 49 and full-time weeks (SHS_U:002) $<$ 25

Maximum value of weeks worked is limited to 52.

Code	Description
0	None
1	1
2	2
3	3 or more

Variable Name: **MajorIncSource_PUMDF**
Unit Type: Code
Description: Household major source of income

0. All sources = 0
Total wages and salaries (U:004) = 0 and total self-employment income (U:005+U:006+U:007) = 0 and total investment income (U:008) = 0 and total

government transfer payments (U:009+U:010+U:011+U:012+U:013+U:014+U:015)=
0 and miscellaneous income (U:016+U:018) = 0

2. Major source is wages and salaries

Total wages and salaries (U:004) not = 0 and >= total self-employment income
(U:005+U:006+U:007) and total investment income (U:008) and total government
transfer payments (U:009+U:010+U:011+U:012+U:013+U:014+U:015) and
miscellaneous income (U:016+U:018)

Major source is self-employment income

Total self-employment income (U:005+U:006+U:007) not = 0 and >= total wages and
salaries (U:004) and total investment income (U:008) and total government transfer
payments (U:009+U:010+U:011+U:012+U:013+U:014+U:015) and miscellaneous
income (U:016+U:018)

3. Major source is investment income

Total investment income (U:008) not = 0 and >= total wages and salaries (U:004) and
total self-employment income (U:005+U:006+U:007) and total government transfer
payments (U:009+U:010+U:011+U:012+U:013+U:014+U:015) and miscellaneous
income (U:016+U:018)

4. Major source is government transfer payments

Total government transfer payments
(U:009+U:010+U:011+U:012+U:013+U:014+U:015) not = 0 and >= total wages and
salaries (U:004) and total self-employment income (U:005+U:006+U:007) and total
investment income (U:008) and miscellaneous income (U:016+U:018)

5. Major source is miscellaneous income

Miscellaneous income (U:016+U:018) not = 0 and >= total wages and salaries (U:004)
and total self-employment income (U:005+U:006+U:007) and total investment income
(U:008) and total government transfer payments
(U:009+U:010+U:011+U:012+U:013+U:014+U:015)

Code	Description
0	All sources = 0
2	Major source is wages and salaries or self-employment income
3	Major source is investment income
4	Major source is government transfer payments
5	Major source is miscellaneous income

Variable Name: **HhldIncome**
Unit Type: Dollar (\$)
Description: Household income before taxes

SHS_U:004 TO SHS_U:018 EXCLUDING PERSONAL INCOME TAX REFUNDS (SHS_U:017)

Sum(SHS_U:004 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 <
1983)

Sum(SHS_U:005 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 <
1983)

Sum(SHS_U:006 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 <
1983)

Sum(SHS_U:007 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 <
1983)

Sum(SHS_U:008 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 <
1983)

Sum(SHS_U:009 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:010 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:011 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:012 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:013 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:014 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:015 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:016 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:018 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **Earning_Hhld_PUMDF**
Unit Type: Dollar (\$)
Description: Household income from earnings

Sum(SHS_U:004 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:005 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:006 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:007 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **IncInvestment_Hhld_PUMDF**
Unit Type: Dollar (\$)
Description: Household income from investment

Sum(SHS_U:008 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **IncTransfer_Hhld_PUMDF**
Unit Type: Dollar (\$)
Description: Household income from government transfer payments

Sum(SHS_U:009 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:010 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:011 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:012 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:013 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Sum(SHS_U:014 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:015 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **OtherSources_Hhld_PUMDF**
Unit Type: Dollar (\$)
Description: Household income from other sources

Sum(SHS_U:016 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_U:018 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **OtherMoney_Hhld_PUMDF**
Unit Type: Dollar (\$)
Description: Total other money receipts of household (Includes net winnings from games of chance)

Sum(SHS_U:019 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
 $(SHS_T:008 + SHS_T:010 + SHS_T:012 + SHS_T:014) - ((SHS_T:007 + SHS_T:009 + SHS_T:011 + SHS_T:013) - 1)$; If $(SHS_T:008 + SHS_T:010 + SHS_T:012 + SHS_T:014) \geq (SHS_T:007 + SHS_T:009 + SHS_T:011 + SHS_T:013)$, otherwise set to 0

Variable Name: **MoneyFlows_Hhld_PUMDF**
Unit Type: Dollar (\$)
Description: Money flows of household (assets, loans and other debts)

SHS_W:001 - SHS_W:002
SHS_W:003 - SHS_W:004
SHS_W:005 - SHS_W:006
SHS_W:007 - SHS_W:008
SHS_W:009 - SHS_W:010
SHS_W:011 - SHS_W:012
 $(SHS_W:013 + SHS_L:018 + SHS_L:052) * (-1)$
 $(SHS_G:008 * SHS_G:009) + (SHS_G:010 * SHS_G:011) + (SHS_G:012 * SHS_G:013)$
 $(SHS_G:018 + SHS_G:019 + SHS_G:020 + SHS_G:021) * (-1)$
SHS_F:003
SHS_F:006 * (-1)
SHS_H:002 + SHS_H:004 + SHS_H:006
SHS_H:009 + SHS_H:012 + SHS_H:015
SHS_K:005
SHS_K:003
SHS_K:004 * (-1)
SHS_K:008 * (-1)
SHS_K:009
SHS_K:019
SHS_K:017
SHS_K:018 * (-1)
SHS_K:024 * (-1)

SHS_K:020
 SHS_X:002
 SHS_X:003
 SHS_X:005 * (-1)
 SHS_X:006 * (-1)
 SHS_X:004 * (-1)
 SHS_X:007 - SHS_X:008
 SHS_X:010 - SHS_X:009
 Sum(SHS_Y:015 for each loan)
 (Sum(SHS_Y:014 + SHS_Y:017 for each loan)) * (-1)
 SHS_Y:114 - SHS_Y:115
 SHS_Y:117 - SHS_Y:118
 SHS_Y:111 - SHS_Y:112
 SHS_Y:120 - SHS_Y:121
 SHS_Y:116
 SHS_Y:119
 SHS_Y:113
 SHS_Y:122

Variable Name: **RRSP_Hhid_PUMDF**
 Unit Type: Dollar (\$)
 Description: Household Registered Retirement Savings Plan (RRSP) change

SHS_W:007 – SHS_W:008

Variable Name: **EmplInsIndicator**
 Unit Type: Code
 Description: Employment insurance benefit indicator

SHS_U:012

Code	Description
0	Employment insurance benefit = 0
1	Employment insurance benefit > 0

Household Equipment (at December 31)

Variable Name: **WashingMachine_C017**
 Unit Type: Code
 Description: Washing machine

1 (If SHS_C:017 = 7)
 2 (If SHS_C:017 = 8)
 3 (If SHS_C:017 = 9)

Code	Description
1	Automatic
2	Other
3	None

Note: An automatic washing machine is fully automatic with wash and rinse cycles. Washing machines located outside the dwelling and shared with other households are excluded. "Other" washing machines include electric wringer washers.

Variable Name: **ClothesDryer_C018**
Unit Type: Code
Description: Clothes dryer

1 (If SHS_C:018 = 1)
2 (If SHS_C:018 = 2)
3 (If SHS_C:018 = 3)

Code	Description
1	Electric
2	Gas
3	None

Note: Clothes dryers located outside the dwelling and shared with other households are not included. Dryers may be electric or gas.

Variable Name: **Dishwasher_C016**
Unit Type: Code
Description: Dishwasher

1 (If SHS_C:016 =4)
2 (If SHS_C:016 =5)
3 (If SHS_C:016 =6)

Code	Description
1	Built-in automatic
2	Portable automatic
3	None

Note: Dishwashers may be built-in or portable.

Variable Name: **NumFridges_C001_PUMDF**
Unit Type: Count
Description: Number of refrigerators

0 (If SHS_C:001 =0)
1 (If SHS_C:001 =1)
2 (If SHS_C:001 =2)
3 (If SHS_C:001 = 3 OR >3)

Code	Description
0	None
1	1
2	2
3	3 or more

Variable Name: **SeparateFreezerYN_C009**
Unit Type: Code
Description: Freezer

0 (If SHS_C:009 = False)
1 (If SHS_C:009 = True)

Code	Description
0	False
1	True

Note: A freezer is an individual piece of equipment and not part of a refrigeration unit such as the freezer in a refrigerator.

Variable Name: **MicrowaveYN_C008**
Unit Type: Code
Description: Microwave oven

0 (If SHS_C:008 = False)
1 (If SHS_C:008 = True)

Code	Description
0	False
1	True

Variable Name: **AirConditioning_C015**
Unit Type: Code
Description: Air conditioning

1 (If SHS_C:015 =1)
2 (If SHS_C:015 =2)
3 (If SHS_C:015 =3)

Code	Description
1	Window type
2	Central
3	None

Note: A central air conditioner is designed to cool the air in the entire building and may be located either inside or outside this dwelling unit, for example, in the basement of an apartment block. A window-type air conditioner is installed in a window or through a wall to cool the air in a room.

Variable Name: **NumPhones_C004_PUMDF**
Unit Type: Count
Description: Number of telephones

1 (If SHS_C:004 =1)
2 (If SHS_C:004 =2)
3 (If SHS_C:004 =3)
4 (If SHS_C:004 =4)
5 (If SHS_C:004 =5)
6 (If SHS_C:004 =>6)

Code	Description
0	None
1	1
2	2
3	3
4	4
5	5
6	6 or more

Note: Telephones used for business are included if the business is conducted in the dwelling. Cordless phones are included. Cellular telephones are excluded.

Variable Name: **NumPhoneNums_C006_PUMDF**
 Unit Type: Count
 Description: Number of telephone numbers

1 (If SHS_C:006 = 1)
 2 (If SHS_C:006 = 2)
 3 (If SHS_C:006 = >3)

Code	Description
0	None
1	1
2	2
3	3 or more

Variable Name: **CellPhoneYN_C007**
 Unit Type: Code
 Description: Cellular telephone

0 (If SHS_C:007 = False)
 1 (If SHS_C:007 = True)

Code	Description
0	False
1	True

Note: Cordless phones are excluded.

Variable Name: **CDPlayerYN_C011**
 Unit Type: Code
 Description: Compact disc player

0 (If SHS_C:011 = False)
 1 (If SHS_C:011 = True)

Code	Description
0	False
1	True

Note: A compact disc player may be a separate unit, part of a component or built in (as in a receiver/cassette recorder/compact disc combination unit).

Variable Name: **CableTV_YN_C010**
Unit Type: Code
Description: Cablevision

0 (If SHS_C:010 = False)
1 (If SHS_C:010 = True)

Code	Description
0	False
1	True

Variable Name: **NumVCRs_C003_PUMDF**
Unit Type: Count
Description: Number of video cassette recorders

0 (If SHS_C:003 =0)
1 (If SHS_C:003 =1)
2 (If SHS_C:003 =2)
3 (If SHS_C:003 =>3)

Code	Description
0	None
1	1
2	2
3	3 or more

Note: Video cassette recorder (VCR) is a unit that plays videocassettes when attached to a television or monitor.

Variable Name: **ComputerYN_C012**
Unit Type: Code
Description: Home computer

0 (If SHS_C:012 = False)
1 (If SHS_C:012 = True)

Code	Description
0	False
1	True

Note: Computers used exclusively for business purposes are not included.

Variable Name: **ModemYN_C013_PUMDF**
Unit Type: Code
Description: Modem

0 (If SHS_C:013 = False)
1 (If SHS_C:013 = True)

Code	Description
0	False
1	True
9	No computer

Note: A modem is a communication device for microcomputers that translates a computer's digital signal into an analogue signal (and vice versa) for transmission over telephone lines or cables. A modem may be located inside a microcomputer's system cabinet. It may also be a separate unit (external).

Variable Name: **InternetYN_C014_PUMDF**
Unit Type: Code
Description: Internet use from home

0 (If SHS_C:014 = False)
1 (If SHS_C:014 = True)

Code	Description
0	False
1	True
9	No computer

Note: This variable indicates whether or not the household accesses the internet via a computer in the home. It includes cases where a home computer is used to link to a business computer located outside the dwelling for access to the Internet.

Excluded are cases where the Internet is accessed directly through a computer located outside the dwelling (e.g., work).

Variable Name: **NumColourTVs_C002_PUMDF**
Unit Type: Count
Description: Number of colour televisions

0 (If SHS_C:002 =0)
1 (If SHS_C:002 =1)
2 (If SHS_C:002 =2)
3 (If SHS_C:002 =3)
4 (If SHS_C:002 =4)
5 (If SHS_C:002 =>5)

Code	Description
0	None
1	1
2	2
3	3
4	4
5	5 or more

Variable Name: **NumVehOwned_PUMDF**
Unit Type: Count
Description: Number of vehicles owned at December 31

0 (If Count (vehicles where SHS_Q:018 =1) =0)
1 (If Count (vehicles where SHS_Q:018 =1) =1)
2 (If Count (vehicles where SHS_Q:018 =1) =2)
3 (If Count (vehicles where SHS_Q:018 =1) =3)
4 (If Count (vehicles where SHS_Q:018 =1) =>4)

Code	Description
0	None
1	1
2	2
3	3
4	4 or more

This variable gives the number of vehicles (car, van/mini-van, truck/sport utility vehicle) owned by members of the household on December 31 completely or partially for private use, excluding those leased.

Variable Name: **VehLeasedYN_PUMDF**
 Unit Type: Code
 Description: Vehicles leased at December 31

0 (If Count (vehicles where SHS_Q:018 =2) =False)
 1 (If Count (vehicles where SHS_Q:018 =2) =True)

Code	Description
0	False
1	True

Expenditure - Food

Variable Name: **F001**
 Unit Type: Dollar (\$)
 Description: Total food

SHS_N:001 - SHS_N:002 + SHS_N:003 + SHS_N:004
 SHS_N:005
 SHS_N:014
 SHS_N:015
 SHS_N:008

Variable Name: **F002**
 Unit Type: Dollar (\$)
 Description: Food purchased from stores

SHS_N:001 - SHS_N:002 + SHS_N:003 + SHS_N:004
 SHS_N:005

Note: Stores include frozen food provisioners, outdoor farmers' markets and stands, and all other non-service establishments. ("Food prepared at home" was the term used in the 1978 and earlier publications.)

Variable Name: **F008**
 Unit Type: Dollar (\$)
 Description: Food purchased from restaurants

SHS_N:008

Note: Restaurants include refreshment stands, snack bars, vending machines, mobile canteens, caterers, and coffee wagons. ("Food in eating places" was the term used in the 1978 and earlier publications.)

Expenditure - Shelter

Variable Name: **G001**
Unit Type: Dollar (\$)
Description: Total shelter

$((SHS_I:002 + SHS_I:003) * (100 - PctRentAgainstBusiness_I:011)/100) - (SHS_I:004 * (100 - PctRentAgainstBusiness_I:011)/100)$
SHS_I:006 * (100 - PctRentAgainstBusiness_I:011)/100
SHS_I:007 * (100 - PctRentAgainstBusiness_I:011)/100
(SHS_G:002 * SHS_G:003) + (SHS_G:004 * SHS_G:005) + (SHS_G:006 * SHS_G:007)
SHS_H:008 + SHS_H:011 + SHS_H:014 + SHS_H:017 + SHS_H:019 + SHS_H:021
SHS_E:006 * (100 - PctExpAgainstBusiness_E:009)/100
SHS_E:003 * (100 - PctExpAgainstBusiness_E:009)/100
SHS_E:005 * (100 - PctExpAgainstBusiness_E:009)/100
SHS_F:007
SHS_F:008
SHS_G:016
SHS_F:009
SHS_F:004
SHS_J:001
SHS_J:003
SHS_J:002
SHS_K:010
SHS_K:011
SHS_K:012
SHS_K:013
SHS_K:014
SHS_J:005
SHS_J:006

Note: Shelter includes expenditures on principal accommodation (either owned or rented) and on other accommodation such as vacation homes or accommodation while travelling.

Important note: Change in shelter definition for 1997

Prior to 1997, mortgage interest payments were reported in the "Shelter" category under both "owned living quarters" and "owned vacation homes". (Mortgage principal payments were reported under "money flows - assets, loans and other debts" since they are considered to pertain to a change in the value of household assets.)

As of the 1997 reference year, interest payments are not available separately from principal. For 1997, "regular mortgage payments" on "owned living quarters" (including both principal and interest) are included under "shelter". However, all mortgage payments for owned vacation homes are included under "money flows - assets, loans and other debts". Caution should therefore be used when comparing 1997 data to data from previous years. Categories affected include: Total expenditure, Total current consumption, Principal accommodation, Owned living quarters, Regular mortgage payments, Other accommodation, Owned vacation home, Money flows (assets, loans, and other debts).

Variable Name: **G002**
Unit Type: Dollar (\$)
Description: Principal accommodation

$((SHS_I:002 + SHS_I:003) * (100 - PctRentAgainstBusiness_I:011)/100) - (SHS_I:004 * (100 - PctRentAgainstBusiness_I:011)/100)$
SHS_I:006 * (100 - PctRentAgainstBusiness_I:011)/100
SHS_I:007 * (100 - PctRentAgainstBusiness_I:011)/100
 $(SHS_G:002 * SHS_G:003) + (SHS_G:004 * SHS_G:005) + (SHS_G:006 * SHS_G:007)$
SHS_H:008 + SHS_H:011 + SHS_H:014 + SHS_H:017 + SHS_H:019 + SHS_H:021
SHS_E:006 * (100 - PctExpAgainstBusiness_E:009)/100
SHS_E:003 * (100 - PctExpAgainstBusiness_E:009)/100
SHS_E:005 * (100 - PctExpAgainstBusiness_E:009)/100
SHS_F:007
SHS_F:008
SHS_G:016
SHS_F:009
SHS_F:004
SHS_J:001
SHS_J:003
SHS_J:002

Note: See important note under G001.

Variable Name: **G003**
Unit Type: Dollar (\$)
Description: Rented living quarters

$((SHS_I:002 + SHS_I:003) * (100 - PctRentAgainstBusiness_I:011)/100) - (SHS_I:004 * (100 - PctRentAgainstBusiness_I:011)/100)$
 $SHS_I:006 * (100 - PctRentAgainstBusiness_I:011)/100$
 $SHS_I:007 * (100 - PctRentAgainstBusiness_I:011)/100$

Variable Name: **G004**
Unit Type: Dollar (\$)
Description: Rent (amount paid)

$((SHS_I:002 + SHS_I:003) * (100 - PctRentAgainstBusiness_I:011)/100) - (SHS_I:004 * (100 - PctRentAgainstBusiness_I:011)/100)$

Note: The net household expense for rent after adjusting for rebates and for any use of the dwelling for business. No adjustment for partial subletting to non-household members is made. Receipts from this activity are considered part of household income.

Variable Name: **G007**
Unit Type: Dollar (\$)
Description: Owned living quarters

$(SHS_G:002 * SHS_G:003) + (SHS_G:004 * SHS_G:005) + (SHS_G:006 * SHS_G:007)$
 $SHS_H:008 + SHS_H:011 + SHS_H:014 + SHS_H:017 + SHS_H:019 + SHS_H:021$
 $SHS_E:006 * (100 - PctExpAgainstBusiness_E:009)/100$
 $SHS_E:003 * (100 - PctExpAgainstBusiness_E:009)/100$
 $SHS_E:005 * (100 - PctExpAgainstBusiness_E:009)/100$
 $SHS_F:007$
 $SHS_F:008$
 $SHS_G:016$
 $SHS_F:009$
 $SHS_F:004$

Note: See important note under G001.

Variable Name: **G040**
Unit Type: Dollar (\$)
Description: Regular mortgage payments

$(SHS_G:002 * SHS_G:003) + (SHS_G:004 * SHS_G:005) + (SHS_G:006 * SHS_G:007)$
 $- (SHS_E:003 * (100 - PctExpAgainstBusiness_E:009) / 100 \text{ if } SHS_G:014 = '1')$
 $(SHS_G:016 \text{ if } SHS_G:015 = '1')$

Note: See important note under G001.

Variable Name: **G008**
Unit Type: Dollar (\$)
Description: Maintenance, repairs and replacements

$SHS_H:008 + SHS_H:011 + SHS_H:014 + SHS_H:017 + SHS_H:019 + SHS_H:021$

Note: Expenditures on the total of contracts, labour, and materials for all types of maintenance, repairs and replacements. Includes all expenditures on the dwelling such as those for built-in appliances and other equipment and fixtures. Prior to the 1996 survey, expenditures on contracts and labour were available separately. Costs of additions, renovations, and new installations are considered increases in assets and are included in "Money flows - assets, loans and other debts".

An annual data series showing household expenditures on repairs and renovations is available from the Homeowner Repair and Renovation Survey. See "Homeowner Repair and Renovation Expenditures in Canada", Catalogue No. 62-201.

Variable Name: **G009**
Unit Type: Dollar (\$)
Description: Condominium charges on principal residence

SHS_E:006 * (100 - PctExpAgainstBusiness_E:009)/ 100

Variable Name: **G010**
Unit Type: Dollar (\$)
Description: Property taxes on principal residence

SHS_E:003 * (100 - PctExpAgainstBusiness_E:009)/ 100

Note: This is the amount billed, excluding any rebates. Special service charges (i.e., garbage, sewage, etc.), local improvements, and water charges are included if these are part of the property tax bill. Property taxes that are included in condominium charges are excluded.

Variable Name: **G011**
Unit Type: Dollar (\$)
Description: Homeowners' insurance premiums on principal residence

SHS_E:005 * (100 - PctExpAgainstBusiness_E:009)/ 100

Note: Premiums paid in 1997 for fire and comprehensive policies. Premiums covering more than the survey year were not prorated.

Variable Name: **G019**
Unit Type: Dollar (\$)
Description: Water, fuel and electricity for principal residence

SHS_J:001
SHS_J:003
SHS_J:002

Variable Name: **G020**
Unit Type: Dollar (\$)
Description: Water and sewage for principal residence

SHS_J:001

Variable Name: **G022**
Unit Type: Dollar (\$)
Description: Liquid fuels for principal residence (e.g., oil, gas, etc.)

SHS_J:003

Variable Name: **G024**
Unit Type: Dollar (\$)
Description: Electricity for principal residence

SHS_J:002

Variable Name: **G025**
Unit Type: Dollar (\$)
Description: Other accommodation

SHS_K:010
SHS_K:011
SHS_K:012
SHS_K:013
SHS_K:014
SHS_J:005
SHS_J:006

Variable Name: **G026**
Unit Type: Dollar (\$)
Description: Owned vacation home

SHS_K:010
SHS_K:011
SHS_K:012
SHS_K:013
SHS_K:014

Variable Name: **G032**
Unit Type: Dollar (\$)
Description: Traveller accommodation

SHS_J:005
SHS_J:006

Note: Traveller accommodation excludes accommodation that was part of a travel tour (which is included in "package travel tours").

Expenditure - Household Operation

Variable Name: **H001**
Unit Type: Dollar (\$)
Description: Total household operation

SHS_M:003
SHS_M:001
SHS_M:005
SHS_M:002
SHS_M:004
SHS_M:006
SHS_M:007
SHS_M:008
SHS_M:009
SHS_M:010
SHS_M:015
SHS_M:016
SHS_M:017
SHS_M:018
SHS_M:021
SHS_M:022
SHS_M:023
SHS_M:012
SHS_M:013
SHS_M:014
SHS_M:011
SHS_M:024

Variable Name: **H002**
Unit Type: Dollar (\$)
Description: Communications

SHS_M:003
SHS_M:001
SHS_M:005
SHS_M:002
SHS_M:004
SHS_M:006

Variable Name: **H003**
Unit Type: Dollar (\$)
Description: Telephone

SHS_M:003
SHS_M:001
SHS_M:005

Variable Name: **H004**
Unit Type: Dollar (\$)
Description: Purchase of telephones

SHS_M:003

Variable Name: **H005**
Unit Type: Dollar (\$)
Description: Telephone services

SHS_M:001
SHS_M:005

Variable Name: **H008**
Unit Type: Dollar (\$)
Description: Cellular services

SHS_M:002

Variable Name: **H009**
Unit Type: Dollar (\$)
Description: Internet services

SHS_M:004

Variable Name: **H010**
Unit Type: Dollar (\$)
Description: Postal and other communication services

SHS_M:006

Variable Name: **H011**
Unit Type: Dollar (\$)
Description: Child care expenses

SHS_M:007
SHS_M:008
SHS_M:009

Variable Name: **H016**
Unit Type: Dollar (\$)
Description: Domestic and other custodial services (excluding child care)

SHS_M:010

Variable Name: **H017**
Unit Type: Dollar (\$)
Description: Pet expenses

SHS_M:015
SHS_M:016

SHS_M:017
SHS_M:018

Variable Name: **H022**
Unit Type: Dollar (\$)
Description: Household cleaning supplies

SHS_M:021

Variable Name: **H023**
Unit Type: Dollar (\$)
Description: Paper, plastic and foil household supplies

SHS_M:022
SHS_M:023

Variable Name: **H026**
Unit Type: Dollar (\$)
Description: Garden supplies and services (excluding tools)

SHS_M:012
SHS_M:013
SHS_M:014
SHS_M:011

Expenditure - Household Furnishings and Equipment

Variable Name: **I001**
Unit Type: Dollar (\$)
Description: Total household furnishings and equipment

SHS_L:001
SHS_L:004
SHS_L:005
SHS_L:006
SHS_L:007
SHS_L:002
SHS_L:049
SHS_L:041
SHS_L:042
SHS_L:043
SHS_L:048
SHS_L:061
SHS_L:044
SHS_L:045
SHS_L:047
SHS_L:046
SHS_L:063
SHS_L:050
SHS_L:084
SHS_L:085
SHS_L:081

SHS_L:082
SHS_L:083
SHS_L:003
SHS_L:072
SHS_L:071
SHS_L:086
SHS_L:087
SHS_L:088
SHS_L:089
SHS_L:008
SHS_L:051
SHS_L:090
SHS_J:004
SHS_L:091

Variable Name: **I002**
Unit Type: Dollar (\$)
Description: Household furnishings

SHS_L:001
SHS_L:004
SHS_L:005
SHS_L:006
SHS_L:007
SHS_L:002

Variable Name: **I003**
Unit Type: Dollar (\$)
Description: Furniture

SHS_L:001

Variable Name: **I004**
Unit Type: Dollar (\$)
Description: Rugs, mats and underpadding

SHS_L:004

Variable Name: **I005**
Unit Type: Dollar (\$)
Description: Window coverings and household textiles

SHS_L:005

Variable Name: **I006**
Unit Type: Dollar (\$)
Description: Art, antiques and decorative ware

SHS_L:006
SHS_L:007
SHS_L:002

Variable Name: **I010**
Unit Type: Dollar (\$)
Description: Household equipment

SHS_L:049
SHS_L:041
SHS_L:042
SHS_L:043
SHS_L:048
SHS_L:061
SHS_L:044
SHS_L:045
SHS_L:047
SHS_L:046
SHS_L:063
SHS_L:050
SHS_L:084
SHS_L:085
SHS_L:081
SHS_L:082
SHS_L:083
SHS_L:003
SHS_L:072
SHS_L:071
SHS_L:086
SHS_L:087
SHS_L:088
SHS_L:089

Variable Name: **I011**
Unit Type: Dollar (\$)
Description: Household appliances

SHS_L:049
SHS_L:041
SHS_L:042
SHS_L:043
SHS_L:048
SHS_L:061
SHS_L:044
SHS_L:045
SHS_L:047
SHS_L:046
SHS_L:063
SHS_L:050

Note: Net purchase price after deducting trade-in allowance and any discount. Excludes appliances included in the purchase of a home and built-in appliances. Expenditures on household fixtures (e.g., built-in appliances and wall-to-wall carpeting) can be reported under the appropriate expenditure item or, if they were part of a larger job, under "Additions, renovations etc. to a home", or "Maintenance, repairs and replacements".

Variable Name: **Totl027**
Unit Type: Dollar (\$)
Description: Other household tools, equipment and accessories

SHS_L:084
SHS_L:085
SHS_L:081
SHS_L:082
SHS_L:083
SHS_L:003
SHS_L:072
SHS_L:071
SHS_L:086
SHS_L:087
SHS_L:088
SHS_L:089

Variable Name: **I042**
Unit Type: Dollar (\$)
Description: Maintenance and repair of furniture and equipment

SHS_L:008
SHS_L:051
SHS_L:090

Variable Name: **I046**
Unit Type: Dollar (\$)
Description: Services related to furnishings and equipment

SHS_J:004
SHS_L:091

Expenditure - Clothing

Variable Name: **J001**
Unit Type: Dollar (\$)
Description: Total clothing

Sum(SHS_O:002 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:003 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:004 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:005 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
SHS_O:141
Sum(SHS_O:052 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:053 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:054 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))

Sum(SHS_O:055 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
SHS_O:142
Sum(SHS_O:102 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:104 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
SHS_O:143 + (SHS_O:102: If PersonNo = 00) + (SHS_O:104: If PersonNo = 00)
SHS_O:144
SHS_O:145
SHS_O:146
SHS_M:019
SHS_M:020
SHS_O:147

Variable Name: **J002**
Unit Type: Dollar (\$)
Description: Women's and girls' wear including gifts (4 years and over)

Sum(SHS_O:002 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:003 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:004 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:005 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
SHS_O:141

Variable Name: **J007**
Unit Type: Dollar (\$)
Description: Clothing gifts to non-household members - Women and girls (4 years and over)

SHS_O:141

Variable Name: **J008**
Unit Type: Dollar (\$)
Description: Men's and boys' wear including gifts (4 years and over)

Sum(SHS_O:052 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:053 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:054 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:055 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
SHS_O:142

Variable Name: **J013**
Unit Type: Dollar (\$)
Description: Clothing gifts to non-household members - Men and boys (4 years and over)

SHS_O:142

Variable Name: **J014**
Unit Type: Dollar (\$)
Description: Children's wear including gifts (under 4 years)

Sum(SHS_O:102 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
Sum(SHS_O:104 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3))
SHS_O:143 + (SHS_O:102: If PersonNo = 00) + (SHS_O:104: If PersonNo = 00)

Variable Name: **J017**
Unit Type: Dollar (\$)
Description: Clothing gifts to non-household members - Children (under 4 years)

SHS_O:143 + (SHS:102: If PersonNo = 00) + (SHS_O:104: If PersonNo = 00)

Variable Name: **TotJ019**
Unit Type: Dollar (\$)
Description: Clothing material and notions

SHS_O:144
SHS_O:145

Variable Name: **J021**
Unit Type: Dollar (\$)
Description: Clothing services

SHS_O:146
SHS_M:019
SHS_M:020
SHS_O:147

Variable Name: **TotJ023**
Unit Type: Dollar (\$)
Description: Laundry and dry-cleaning

SHS_M:019
SHS_M:020

Expenditure - Transportation

Variable Name: **K001**
Unit Type: Dollar (\$)
Description: Total transportation

Sum (SHS_Q:015 for each vehicle: If SHS_Q:012 = 1)
Sum (SHS_Q:015 for each vehicle: If SHS_Q:012 = 2 or 3)
Sum(SHS_Q:020 * (-1) for each vehicle)
Sum(SHS_Q:023 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
SHS_Q:201
SHS_Q:202
SHS_Q:203
SHS_Q:204
SHS_Q:205
SHS_Q:206
Sum(SHS_Q:017 for each vehicle)
Sum(SHS_Q:022 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:024 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:025 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
SHS_I:008 * (100 - PctRentAgainstBusiness_I:011)/100
Sum(SHS_Q:028 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
SHS_Q:302
SHS_Q:301
Sum(SHS_Q:027 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:026 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:029 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
SHS_R:092
SHS_R:093
SHS_R:094
SHS_R:095
SHS_R:096
SHS_R:097
SHS_R:098

Variable Name: **K002**
Unit Type: Dollar (\$)
Description: Private transportation

Sum (SHS_Q:015 for each vehicle: If SHS_Q:012 = 1)
Sum (SHS_Q:015 for each vehicle: If SHS_Q:012 = 2 or 3)
Sum(SHS_Q:020 * (-1) for each vehicle)
Sum(SHS_Q:023 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
SHS_Q:201
SHS_Q:202
SHS_Q:203
SHS_Q:204
SHS_Q:205
SHS_Q:206
Sum(SHS_Q:017 for each vehicle)
Sum(SHS_Q:022 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:024 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:025 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
SHS_I:008 * (100 - PctRentAgainstBusiness_I:011)/100
Sum(SHS_Q:028 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)

SHS_Q:302
SHS_Q:301
Sum(SHS_Q:027 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:026 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:029 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)

Variable Name: **K003**
Unit Type: Dollar (\$)
Description: Purchase of automobiles and trucks

Sum (SHS_Q:015 for each vehicle: If SHS_Q:012 = 1)
Sum (SHS_Q:015 for each vehicle: If SHS_Q:012 = 2 or 3)
Sum(SHS_Q:020 * (-1) for each vehicle)

Note: Net purchase price, including extra equipment, accessories, and warranties bought when the vehicle was purchased, after deducting any trade-in allowance or separate sales. (Separate sales occur when a vehicle is sold independently by the owner, e.g., not traded-in when purchasing or leasing another vehicle.)

Variable Name: **K007**
Unit Type: Dollar (\$)
Description: Accessories and attachments for automobiles and trucks

Sum(SHS_Q:023 * (100 - PctVehExpAgainstBus_Q:031)/ 100 for each vehicle)

Variable Name: **K008**
Unit Type: Dollar (\$)
Description: Rented and leased automobiles and trucks

SHS_Q:201
SHS_Q:202
SHS_Q:203
SHS_Q:204
SHS_Q:205
SHS_Q:206
Sum(SHS_Q:017 for each vehicle)

Variable Name: **K019**
Unit Type: Dollar (\$)
Description: Operation of owned and leased automobiles and trucks

Sum(SHS_Q:022 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:024 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:025 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
SHS_I:008 * (100 - PctRentAgainstBusiness_I:011)/100
Sum(SHS_Q:028 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
SHS_Q:302
SHS_Q:301
Sum(SHS_Q:027 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:026 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:029 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)

Variable Name: **K020**
Unit Type: Dollar (\$)
Description: Gasoline and other fuels

Sum(SHS_Q:022 * (100 - PctVehExpAgainstBus_Q:031)/ 100 for each vehicle)

Variable Name: **K022**
Unit Type: Dollar (\$)
Description: Automotive maintenance and repair jobs

Sum(SHS_Q:025 * (100 - PctVehExpAgainstBus_Q:031)/ 100 for each vehicle)

Variable Name: **K023**
Unit Type: Dollar (\$)
Description: Garage rent and parking

SHS_I:008 * (100 - PctRentAgainstBusiness_I011)/100
Sum(SHS_Q:028 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)

Variable Name: **K028**
Unit Type: Dollar (\$)
Description: Private and public vehicle insurance premiums

Sum(SHS_Q:027 * (100 - PctVehExpAgainstBus_Q:031)/ 100 for each vehicle)

Variable Name: **K031**
Unit Type: Dollar (\$)
Description: Public transportation

SHS_R:092
SHS_R:093
SHS_R:094
SHS_R:095
SHS_R:096
SHS_R:097
SHS_R:098

Variable Name: **TotK032**
Unit Type: Dollar (\$)
Description: Local and commuter transportation

SHS_R:092
SHS_R:093

Variable Name: **TotK034**
Unit Type: Dollar (\$)
Description: Inter-city transportation

SHS_R:094
SHS_R:095
SHS_R:096

Variable Name: **K037**
Unit Type: Dollar (\$)
Description: Other passenger transportation

SHS_R:097

Variable Name: **K038**
Unit Type: Dollar (\$)
Description: Household movers, storage and delivery services

SHS_R:098

Expenditure - Health Care

Variable Name: **L101**
Unit Type: Dollar (\$)
Description: Total health care

SHS_P:019
SHS_P:017
SHS_P:018
SHS_P:013
SHS_P:009
SHS_P:010
SHS_P:011
SHS_P:012
SHS_P:015
SHS_P:014
SHS_P:016
SHS_P:005
SHS_P:006
SHS_P:007
SHS_P:008

Variable Name: **L102**
Unit Type: Dollar (\$)
Description: Direct health care costs to household

SHS_P:019
SHS_P:017
SHS_P:018
SHS_P:013
SHS_P:009

SHS_P:010
SHS_P:011
SHS_P:012
SHS_P:015
SHS_P:014
SHS_P:016

Variable Name: **L103**
Unit Type: Dollar (\$)
Description: Health care supplies

SHS_P:019

Variable Name: **L104**
Unit Type: Dollar (\$)
Description: Medicinal and pharmaceutical products

SHS_P:017
SHS_P:018

Variable Name: **L105**
Unit Type: Dollar (\$)
Description: Prescription drugs

SHS_P:017

Variable Name: **L106**
Unit Type: Dollar (\$)
Description: Other medicines, drugs and pharmaceutical products

SHS_P:018

Variable Name: **L107**
Unit Type: Dollar (\$)
Description: Physicians' care

SHS_P:013

Variable Name: **L108**
Unit Type: Dollar (\$)
Description: Eye-care goods and services

SHS_P:009
SHS_P:010
SHS_P:011

Variable Name: **L112**
Unit Type: Dollar (\$)
Description: Dental care

SHS_P:012

Variable Name: **L113**
Unit Type: Dollar (\$)
Description: Hospital and other health care services

SHS_P:015
SHS_P:014
SHS_P:016

Variable Name: **L114**
Unit Type: Dollar (\$)
Description: Hospital care

SHS_P:015

Variable Name: **L115**
Unit Type: Dollar (\$)
Description: Other health care services

SHS_P:014
SHS_P:016

Variable Name: **L116**
Unit Type: Dollar (\$)
Description: Other health care practitioners

SHS_P:014

Variable Name: **L117**
Unit Type: Dollar (\$)
Description: Other medical services

SHS_P:016

Variable Name: **L118**
Unit Type: Dollar (\$)
Description: Health insurance premiums

SHS_P:005
SHS_P:006
SHS_P:007
SHS_P:008

Variable Name: **L119**
Unit Type: Dollar (\$)
Description: Public hospital, medical and drug insurance plans

SHS_P:005

Variable Name: **L120**
Unit Type: Dollar (\$)
Description: Private health care insurance plans

SHS_P:006
SHS_P:007
SHS_P:008

Expenditure - Personal Care

Variable Name: **L201**
Unit Type: Dollar (\$)
Description: Total personal care

SHS_P:003
Sum(SHS_O:103 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3)) + (SHS_O:103: If PersonNo = 00)
SHS_L:062
SHS_P:004
SHS_P:001
SHS_P:002

Variable Name: **L202**
Unit Type: Dollar (\$)
Description: Personal care supplies and equipment

SHS_P:003
Sum(SHS_O:103 for each Person: If (PersonNo between 01 and 15) and (SHS_A:012 between 1 and 3)) + (SHS_O:103: If PersonNo = 00)
SHS_L:062
SHS_P:004

Variable Name: **L207**
Unit Type: Dollar (\$)
Description: Hair grooming and other personal care services

SHS_P:001
SHS_P:002

Expenditure - Recreation

Variable Name: **M101**
Unit Type: Dollar (\$)
Description: Total recreation

SHS_S:001
SHS_S:011
SHS_S:009
SHS_S:008
SHS_S:007
SHS_L:016
SHS_L:017
SHS_L:019
SHS_L:020
SHS_S:003
SHS_S:004
SHS_S:005
SHS_S:006
SHS_S:012
SHS_S:002
SHS_S:013
SHS_S:015
SHS_S:014
SHS_R:001
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 4)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 3)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 1)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 2)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 8)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 5)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 6)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 7)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 9)
SHS_R:002
SHS_R:091
Sum(SHS_R:016 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:015 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:017 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:018 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:019 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:020 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
SHS_L:011
SHS_L:013
SHS_L:014
SHS_L:012
SHS_L:015
SHS_L:031
SHS_L:034
SHS_L:032

SHS_S:016
SHS_S:019
SHS_S:017
SHS_S:018
SHS_L:033
SHS_S:021
SHS_S:022
SHS_S:020
SHS_S:023
SHS_R:100
SHS_S:024

Variable Name: **M102**
Unit Type: Dollar (\$)
Description: Recreation equipment and associated services

SHS_S:001
SHS_S:011
SHS_S:009
SHS_S:008
SHS_S:007
SHS_L:016
SHS_L:017
SHS_L:019
SHS_L:020
SHS_S:003
SHS_S:004
SHS_S:005
SHS_S:006
SHS_S:012
SHS_S:002
SHS_S:013
SHS_S:015
SHS_S:014

Variable Name: **M103**
Unit Type: Dollar (\$)
Description: Sports and athletic equipment

SHS_S:001

Variable Name: **M105**
Unit Type: Dollar (\$)
Description: Toys, games and hobby equipment

SHS_S:009
SHS_S:008
SHS_S:007
SHS_L:016
SHS_L:017
SHS_L:019
SHS_L:020

Variable Name: **M110**
Unit Type: Dollar (\$)
Description: Computer equipment and supplies

SHS_L:016
SHS_L:017
SHS_L:019
SHS_L:020

Variable Name: **M116**
Unit Type: Dollar (\$)
Description: Photographic goods and services

SHS_S:003
SHS_S:004
SHS_S:005

Variable Name: **M126**
Unit Type: Dollar (\$)
Description: Recreation vehicles and associated services

SHS_R:001
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 4)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 3)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 1)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 2)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 8)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 5)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 6)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 7)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 9)
SHS_R:002
SHS_R:091
Sum(SHS_R:016 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:015 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:017 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:018 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:019 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:020 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)

Variable Name: **M127**
Unit Type: Dollar (\$)
Description: Purchase of recreation vehicles

SHS_R:001
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 4)

Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 3)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 1)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 2)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 8)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 5)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 6)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 7)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 9)

Variable Name: **M128**
Unit Type: Dollar (\$)
Description: Bicycles, parts and accessories

SHS_R:001

Variable Name: **M129**
Unit Type: Dollar (\$)
Description: Purchase of other vehicles and outboard motors

Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 4)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 3)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 1)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 2)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 8)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 5)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 6)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 7)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 9)

Variable Name: **M139**
Unit Type: Dollar (\$)
Description: Operation of recreational vehicles

SHS_R:002
SHS_R:091
Sum(SHS_R:016 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:015 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:017 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:018 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:019 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:020 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)

Variable Name: **M140**
Unit Type: Dollar (\$)
Description: Bicycle maintenance and repairs

SHS_R:002

Variable Name: **M141**
Unit Type: Dollar (\$)
Description: Other recreation vehicle operation

Sum(SHS_R:016 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)

Sum(SHS_R:015 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)

Sum(SHS_R:017 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)

Sum(SHS_R:018 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)

Sum(SHS_R:019 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)

Sum(SHS_R:020 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)

Variable Name: **M180**
Unit Type: Dollar (\$)
Description: Expenses for rented and leased recreational vehicles

SHS_R:091

Variable Name: **M148**
Unit Type: Dollar (\$)
Description: Home entertainment equipment and services

SHS_L:011

SHS_L:013

SHS_L:014

SHS_L:012

SHS_L:015

SHS_L:031

SHS_L:034

SHS_L:032

Variable Name: **M150**
Unit Type: Dollar (\$)
Description: Audio equipment (e.g., radio, CD player, speaker, etc.)

SHS_L:011

Variable Name: **M151**
Unit Type: Dollar (\$)
Description: Compact discs, audio tapes, videotapes and video-discs

SHS_L:013

Variable Name: **M152**
Unit Type: Dollar (\$)
Description: Blank audio and videotapes

SHS_L:014

Variable Name: **M153**
Unit Type: Dollar (\$)
Description: Television sets, VCRs, camcorders and other television/video components

SHS_L:012

Variable Name: **M156**
Unit Type: Dollar (\$)
Description: Rental of videotapes and video-discs

SHS_L:031

Variable Name: **M157**
Unit Type: Dollar (\$)
Description: Rental of home entertainment equipment and other services

SHS_L:034

Variable Name: **M159**
Unit Type: Dollar (\$)
Description: Recreation services

SHS_S:016
SHS_S:019
SHS_S:017
SHS_S:018
SHS_L:033
SHS_S:021
SHS_S:022
SHS_S:020
SHS_S:023
SHS_R:100
SHS_S:024

Variable Name: **M160**
Unit Type: Dollar (\$)
Description: Entertainment

SHS_S:016
SHS_S:019
SHS_S:017
SHS_S:018
SHS_L:033

Variable Name: **M161**
Unit Type: Dollar (\$)
Description: Movie theatres

SHS_S:016

Variable Name: **M162**
Unit Type: Dollar (\$)
Description: Live sports events (as a spectator)

SHS_S:019

Variable Name: **M163**
Unit Type: Dollar (\$)
Description: Live performing arts

SHS_S:017

Variable Name: **M165**
Unit Type: Dollar (\$)
Description: Rental of cablevision and satellite services

SHS_L:033

Variable Name: **M166**
Unit Type: Dollar (\$)
Description: Use of recreation facilities

SHS_S:021
SHS_S:022
SHS_S:020
SHS_S:023

Variable Name: **M167**
Unit Type: Dollar (\$)
Description: Membership fees and dues for sports and recreation facilities

SHS_S:021

Variable Name: **M168**
Unit Type: Dollar (\$)
Description: Fees for single usage of sports and recreation facilities

SHS_S:022
SHS_S:020

Variable Name: **M171**
Unit Type: Dollar (\$)
Description: Children's camps

SHS_S:023

Variable Name: **M164**
Unit Type: Dollar (\$)
Description: Admission to museums and other activities and venues

SHS_S:018

Variable Name: **M172**
Unit Type: Dollar (\$)
Description: Package travel tours

SHS_R:100

Note: Package trips that included at least two components of a travel tour such as transportation and accommodation, or accommodation with food and beverages.

Variable Name: **M173**
Unit Type: Dollar (\$)
Description: Other cultural and recreational services

SHS_S:024

Expenditure - Reading Materials and Other Printed Matter

Variable Name: **M201**
Unit Type: Dollar (\$)
Description: Total reading materials and other printed matter

SHS_S:025
SHS_S:026
SHS_S:027
SHS_S:028
SHS_S:029

Variable Name: **M202**
Unit Type: Dollar (\$)
Description: Newspapers

SHS_S:025

Variable Name: **M203**
Unit Type: Dollar (\$)
Description: Magazines and periodicals

SHS_S:026

Variable Name: **M204**
Unit Type: Dollar (\$)
Description: Books and pamphlets (excluding school books)

SHS_S:027

Expenditure - Education

Variable Name: **M301**
Unit Type: Dollar (\$)
Description: Total education

SHS_S:032
SHS_S:035
SHS_S:031
SHS_S:034
SHS_S:030
SHS_S:033
SHS_S:036
SHS_S:037

Variable Name: **TotM302**
Unit Type: Dollar (\$)
Description: Education supplies and textbooks

SHS_S:032
SHS_S:035
SHS_S:031
SHS_S:034

Variable Name: **M308**
Unit Type: Dollar (\$)
Description: Tuition fees

SHS_S:030
SHS_S:033

Expenditure - Tobacco Products and Alcoholic Beverages

Variable Name: **N101**
Unit Type: Dollar (\$)
Description: Total tobacco products and alcoholic beverages

SHS_T:001
SHS_T:002
SHS_N:011
SHS_N:006
SHS_N:007

Variable Name: **N102**
Unit Type: Dollar (\$)
Description: Tobacco products and smokers' supplies

SHS_T:001
SHS_T:002

Variable Name: **N103**
Unit Type: Dollar (\$)
Description: Cigarettes, cigars and similar products

SHS_T:001

Variable Name: **N105**
Unit Type: Dollar (\$)
Description: Alcoholic beverages

SHS_N:011
SHS_N:006
SHS_N:007

Variable Name: **N106**
Unit Type: Dollar (\$)
Description: Alcoholic beverages served on licensed premises

SHS_N:011

Variable Name: **N107**
Unit Type: Dollar (\$)
Description: Alcoholic beverages purchased from stores

SHS_N:006

Variable Name: **N108**
Unit Type: Dollar (\$)
Description: Self-made alcoholic beverages

SHS_N:007

Expenditure - Other

Variable Name: **O101**
Unit Type: Dollar (\$)
Description: Miscellaneous expenses (other property, financial services, union and club dues, forfeited deposits, money lost, work tools and equipment)

SHS_K:021

SHS_T:018

SHS_T:003

SHS_T:004

SHS_T:005

SHS_T:006

Sum(SHS_V:011 for each person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

SHS_T:016

SHS_T:015

SHS_T:017

SHS_T:019

SHS_T:021

Note: Includes expenses on other property (not principal accommodation or vacation home), legal services, financial services, dues to unions and professional associations, contributions and dues for social clubs, forfeits of deposits, fines, money lost, and purchase of tools and equipment for work.

Prior to 1997, interest on personal loans and interest paid on mortgages and loans for other property were reported under "miscellaneous". (Principal payments for mortgages and loans were reported under "money flows - assets, loans and other debts" since they are considered to pertain to a change in the value of household assets or debts.)

As of the 1997 reference year, interest payments are not available separately from principal. For 1997, payments for personal loans and mortgages and loans pertaining to other property (including both principal and interest) are Reported under "money flows - assets, loans and other debts".

Also for 1997, expenditures for "games of chance", formerly included under "miscellaneous" are now a separate sub-category. Caution should therefore be used when comparing 1997 data to data from previous years. The categories "total current consumption" and "total expenditure" are also affected since "miscellaneous" is a component of these categories.

Variable Name: **O104**
Unit Type: Dollar (\$)
Description: Financial services

SHS_T:003
SHS_T:004
SHS_T:005
SHS_T:006

Variable Name: **O109**
Unit Type: Dollar (\$)
Description: Dues to unions and professional associations

Sum(SHS_V:011 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **N201**
Unit Type: Dollar (\$)
Description: Games of chance expenses (net)

SHS_T:007
SHS_T:013
SHS_T:009
SHS_T:011
(SHS_T:008 + SHS_T:010 + SHS_T:012 + SHS_T:014) * -1; if (SHS_T:008 + SHS_T:010 + SHS_T:012 + SHS_T:014) < (SHS_T:007 + SHS_T:009 + SHS_T:011 + SHS_T:013), otherwise ((SHS_T:007 + SHS_T:009 + SHS_T:011 + SHS_T:013) - 1) * -1.

Variable Name: **O201**
Unit Type: Dollar (\$)
Description: Personal taxes

Sum(SHS_V:002 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_V:003 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum(SHS_V:004 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)
Sum((SHS_U:017 * (-1)) for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Note: Personal taxes are income taxes paid in 1997 on 1997 and previous years' incomes plus other personal taxes (gift taxes, Newfoundland school tax, etc.) minus income tax refunds received in 1997, except for federal Child Tax Benefits, Goods and Services Tax credits and provincial tax credits. These tax credits are included in "average household income before taxes".

Variable Name: **O301**
Unit Type: Dollar (\$)
Description: Personal insurance payments and pension contributions

Sum(SHS_V:005 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Sum(SHS_V:006 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Sum(SHS_V:007 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Sum(SHS_V:009 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Sum(SHS_V:008 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Sum(SHS_V:010 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Note: Payments for life insurance, annuities, employment insurance, public and private pension plans, and similar items. For certain uses of the data, some of these items might be regarded as savings, although the relationship between the expenditure and any increase in savings may not be easily determined. This category of expenditure was called "Security" prior to the 1996 survey. (Registered retirement savings plan contributions are included in "Money flows - assets, loans and other debts".)

Variable Name: **TotO302**
Unit Type: Dollar (\$)
Description: Life insurance premiums, annuity contracts and transfers to RRIFs

Sum(SHS_V:005 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Sum(SHS_V:006 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **O304**
Unit Type: Dollar (\$)
Description: Employment insurance premiums (deductions from pay)

Sum(SHS_V:007 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **O305**
Unit Type: Dollar (\$)
Description: Retirement and pension fund payments

Sum(SHS_V:009 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Sum(SHS_V:008 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Sum(SHS_V:010 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **O306**
Unit Type: Dollar (\$)
Description: Canada and Quebec Pension Plan

Sum(SHS_V:009 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **O307**
Unit Type: Dollar (\$)
Description: Other government retirement or pension funds

Sum(SHS_V:008 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **O308**
Unit Type: Dollar (\$)
Description: Other retirement or pension funds (excluding RRSPs)

Sum(SHS_V:010 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **O401**
Unit Type: Dollar (\$)
Description: Gifts of money and contributions

Sum(SHS_V:012 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Sum(SHS_V:013 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Sum(SHS_V:014 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Sum(SHS_V:015 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Note: This includes money and support payments given to persons outside the household or to charity. Prior to 1997, money spent on gifts of goods and services to persons outside the household were reported separately. Starting in 1997, these expenditures are included in each category. The following new categories were added under clothing: clothing gifts to non-household members for women's and girl's wear, men's and boy's wear, and children's wear.

Variable Name: **O403**
Unit Type: Dollar (\$)
Description: Money and support payments (to persons in Canada)

Sum(SHS_V:012 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **O404**
Unit Type: Dollar (\$)
Description: Money and support payments (to persons outside Canada)

Sum(SHS_V:013 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **O406**
Unit Type: Dollar (\$)
Description: Contributions to charity (religious)

Sum(SHS_V:014 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **O407**
Unit Type: Dollar (\$)
Description: Contributions to charity (non-religious)

Sum(SHS_V:015 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1983)

Variable Name: **Expense_Current**
Unit Type: Dollar (\$)
Description: Total current consumption

Total expenses excluding personal taxes, personal insurance payments, and gifts and contributions.

Note: Expenses incurred during the survey year for food, shelter, household operations, household furnishings and equipment, clothing, transportation, health care, personal care, recreation, reading materials, education, tobacco products and alcoholic beverages, games of chance, and a miscellaneous group of items.

Caution should be used when comparing total current consumption for 1997 to total current consumption from previous years. See "Shelter" and "Miscellaneous" for more information. Prior to 1997, expenditures for gifts were not included in total current consumption. Starting in 1997, these expenditures are reported in the appropriate category and, therefore, contribute to total current consumption.

Variable Name: **Expense_Total**
Unit Type: Dollar (\$)
Description: Total expenditures

Note: The expenditures included in "total current consumption" plus personal taxes, personal insurance payments and pension contributions, and gifts of money and contributions to persons outside the household.

Caution should be used when comparing total expenditure for 1997 to total expenditure from previous years. See "Shelter" and "Miscellaneous" for more information.

TECHNICAL INFORMATION

Note to former users of data from the family expenditure survey

Until 1996, the Family Expenditure (FAMEX) Survey was held on a periodic basis, generally every four years. Beginning with the 1997 reference year, a new annual survey, the Survey of Household Spending (SHS), was conducted. This survey, which includes much of the content of the Family Expenditure Survey, also integrates content from the Household Facilities and Equipment (HFE) Survey.

Sample Size

The 1997 Survey of Household Spending has a sample size that is approximately 50% larger than that of the FAMEX Survey. In 1997, the number of eligible households sampled was 23,842 compared to only 14,765 for the 1996 FAMEX Survey.

Number of Questions

The number of questions about household spending in the new survey is considerably lower than in previous FAMEX surveys, with the result that, for some expenditure categories, less detailed information are presented. Since the level of detail collected by the former FAMEX survey is not required on an annual basis, content was reduced to lower costs and make the survey easier and less time-consuming for the respondent. Table 1 (found at the end of this section) compares the number of questions in the 1996 FAMEX questionnaire with the number of questions in the 1997 SHS. However, microdata users will not notice a significant reduction in content since previous microdata files from FAMEX included only a sub-set of the spending variables collected.

Implications of Survey Changes

The Survey of Household Spending is designed to provide provincial estimates of approximately equal quality. Sample sizes for many provinces were increased – especially in the smaller provinces.

The SHS is providing more coverage in the North – it now covers the Yukon and the Northwest Territories (not just Whitehorse and Yellowknife). For 1997, Yukon estimates were designed to represent approximately 77% of the households in the territory, and NWT estimates approximately 74%. (Coverage improved for the 1998 reference year and tabulated data for the new territory of Nunavut will be available separately.)

Due to the integration of the two surveys (HFE and FAMEX), it is possible to cross-classify spending data with data for dwelling characteristics and household equipment. **(See the “Important note to users about full and part-year households” in the section “Guidelines for tabulation, analysis and dissemination”)**

Interest and Principal No Longer Collected Separately

It is no longer possible to divide mortgage and loan payments into principal and interest. Respondents are still asked about payments on loans and mortgages (for principal dwellings, cottages, and other properties) but are not asked the extra questions that allowed the calculation of the principal/interest split. This affects the following variables:

- “shelter” (including “principal accommodation” and “owned living quarters”);
- “miscellaneous” expenditures;
- “money flows – assets, loans and other debts” (formerly net change in assets and liabilities).

Since “shelter” and “miscellaneous” are components of “total current consumption” and “total expenditure”, they are also affected.

Shelter Prior to 1997, interest payments for mortgages and loans on owned living quarters and owned vacation homes were included in shelter expenses. For 1997, “regular mortgage payments” for owned living quarters, including both principal and interest, are included under shelter. Previously, mortgage principal was not included as a shelter expenditure but was part of “net changes in assets and debts”. To summarize, for 1997, the category “shelter”:

- includes “regular mortgage payments” on “owned living quarters” (both principal and interest);
- excludes the interest portion of irregular and/or lump sum payments and money borrowed on owned living quarters in 1997. This would have been part of mortgage interest on owned living quarters in 1996 and earlier;
- excludes mortgage interest for owned vacation homes.

Money flows – assets, loans, and other debts (formerly “net change in assets and liabilities”)

- includes interest and principal for payments on mortgages for vacation homes or other property (formerly only principal was included)
- includes interest and principal for loan payments (formerly only principal was included)
- excludes “regular mortgage payments” (principal and interest) on “owned living quarters” (formerly principal was included, while the interest went to Shelter)
- includes “irregular and/or lump sum payments” and “money borrowed on owned living quarters in 1997” (formerly the principal from these payments was included, while the interest went to Shelter)

Other Conceptual Changes

Clothing Fewer questions were asked about clothing in 1997. However, the following new categories have been added:

- Clothing gifts to non-household members: women’s and girl’s (4 and over);
- Clothing gifts to non-household members: men’s and boy’s (4 and over);
- Clothing gifts to non-household members: children’s wear (under 4).

Gifts of money and contributions (to non-household members) Prior to 1997, gifts to non-household members were collected separately and included in “gifts, money and contributions to persons outside the household”, but as of 1997 they are included in the

appropriate spending category. Gifts of clothing to individuals outside the household are included in the total expenditure on clothing but are also available separately.

Minor changes

- “Rental of heating equipment” has moved from “water, fuel and electricity” (under “shelter”) back to “household furnishings and equipment”
- “Complete re-roofing” has been removed from “shelter” and is now included in “money flows” (investments in the home - new installations)

Table 1 Number of Survey Questions, 1996 FAMEX and 1997 SHS

1996 Section Name	Number of questions		Net Change
	1996 FAMEX	1997 SHS	
A01, A02 – Household Composition	20	12	-8
B01 – Dwelling Occupied	8	28	+20
B02 – Dwelling Previously Occupied	13	10	-3
C01 – Owned Living Quarters	10	10	0
C02 – Purchase/Sale of a Home	13	9	-4
C03, C04 – Mortgage	34	10	-24
C05, C06 – Renovations and Repairs	25	3	-22
C07 – Rented Accommodation	13	13	0
C08 – Water, Fuel, Electricity	13	7	-6
C09 – Other Secondary Living Quarters	26	24	-2
D01–D05 – Household Furnishings & Equipment	71	43	-28
E01 – Communications, etc.	24	18	-6
E02 – Cleaning Services, etc.	19	6	-13
F01 – Food	21	13	-8
G01 – Clothing for Women	28	4	-24
G02 – Clothing for Men	21	4	-17
G03 – Clothing for Children	27	10	-17
H01 – Personal Care	9	4	-5
I01 – Medical and Health Care	19	15	-4
J01 – Automobiles and Trucks	12	10	-2
J02 – Automobile and Truck Operation	19	12	-7
J03 – Miscellaneous Vehicle Expenses	19	17	-2
J04 – Transportation Services	11	9	-2
K01 – Recreation Equipment	26	14	-12
K02 – Recreation Services	36	22	-14
L01 – Tobacco and Miscellaneous	14	29	+15
M01 – Personal Income	26	18	-8
N01 – Personal Taxes/Security/Gifts	15	14	-1
O01 – Change in Assets	19	18	-1
O02 – Loans and Other Debts	30	19	-11
TOTAL	641	425	-216

Note to former users of data from the household facilities and equipment survey

In 1997, the Household Facilities and Equipment (HFE) Survey merged with the Family Expenditure Survey (FAMEX) to create the new Survey of Household Spending. This new survey has maintained much of the content of the Family Expenditure Survey while integrating material from the Household Facilities and Equipment Survey, which was conducted for the last time in May 1997.

Questions similar to those asked in the 1997 HFE survey were included in the 1997 SHS so we could prepare for the release of data from the 1998 SHS when the SHS becomes the sole source of facilities and equipment data. The availability on this file of facilities and equipment data from the 1997 SHS allows data users to evaluate the impact of moving from one survey vehicle to the other.

The merging of the two surveys also allows facilities and equipment data to be analyzed in the context of household spending. Housing characteristics such as the type of heating fuel used and the presence of equipment such as computers and cellular phones can now be studied along with household spending on these items. (**See the** "Important note to users about full and part-year households" in the section "Guidelines for tabulation, analysis and dissemination")

Survey Differences

1. Sample size

The sample size of the 1997 SHS is around 30% smaller than that of the HFE survey (23,842 vs 34,737 eligible households). However, for certain provinces (Newfoundland, Nova Scotia, New Brunswick, Alberta, and British Columbia), the sample is approximately the same or larger. Unlike the HFE survey, the SHS collects data for the Yukon and the NWT (including Nunavut) and, beginning in 1998, Nunavut separately.

2. Weighting

To increase the reliability of survey estimates, weights are adjusted to ensure that estimates on relevant demographic characteristics respect population counts from sources other than the surveys. Population counts derived from post-censal estimations by Statistics Canada's Demography Division were used in both the SHS and the former HFE weighting although the characteristics employed, like age groups, were different in the two surveys. Furthermore, the SHS also used counts of one-person and multi-person households for weighting purposes. This difference should be taken into account when comparing estimates of the number of households produced by each survey.

3. Collection method and reference period

Data from the SHS are collected via a personal interview conducted during the first three months following the reference year. Data on household spending refer to the previous calendar year. Information about facilities and equipment is as of December 31st of the reference year.

In contrast, respondents to the former HFE survey were asked about their dwellings and household equipment at the time of the interview in May of the reference year. Interviews were conducted by telephone as a supplement to the Labour Force Survey.

This difference in collection strategies (including different reference periods and collection dates) has resulted in a one-time irregularity in the frequency for which household facilities and equipment data are available. For the transition year (1997) there are two sets of household facilities and equipment data – one based on the 1997 HFE survey (referenced to May 1997) and the other based on the 1997 SHS (referenced to December 31, 1997).

4. Household (full-year and part-year)

Because the reference period used for collecting the expenditure data in the SHS is the calendar year, and because persons may join or leave a household during the year, the SHS concept of full-year and part-year members and households is necessary. A full-year household has at least one full-year member. A part-year household is composed entirely of part-year members.

In the SHS, expenditure data are tabulated based on full-year households only. Data for the facilities and equipment variables are tabulated based on full-year and part-year households to match more closely the universe from the former HFE survey. For the 1997 SHS, expenditure data were published based on 16,583 full-year households. Facilities and equipment data were published based on 17,129 full-year and part-year households. For this microdata file, a variable called “full-year/part-year household indicator” is provided. **(See the “Important note to users about full and part-year households” in the section “Guidelines for tabulation, analysis and dissemination”)**

5. Household size

Household size in the former HFE survey is based on the number of persons present at the time-of-interview. In the SHS, average household size is based on the number of year-equivalent persons. The number of year-equivalent persons is calculated by dividing the number of weeks that members were part of the household by fifty-two. In this way, part-year members are counted as fractions of a year-equivalent person. This public-use microdata file includes the variable, “Household size (Dec. 31)” for those users who prefer to classify facilities and equipment data in a manner similar to the HFE survey. **(See the “Important note to users about full and part-year households” in the section “Guidelines for tabulation, analysis and dissemination”)**

6. Reference person / household head

The reference person for the SHS is selected using the following method:

The household member being interviewed chooses which household member should be listed as the reference person based on the following definition: "The household reference person is the member of the household mainly responsible for its financial maintenance (i.e., pays the rent, mortgage, property taxes, electricity, etc.). This person can be either male or female. When all members of the household share equally, any member may be shown as the reference person." This person must have been a member of the household on December 31 of the reference year.

For the HFE survey, the concept of household head was used. The household head was defined as follows:

- In one-person households, the head is the individual himself/herself.
- In single-family households, the family head becomes the head of household.

- In multi-unit households, the head of the primary economic family¹ unit² becomes the head of the household.

The family head was determined as follows:

- In families consisting of married couples with or without children, the husband is considered the head.
- In single-parent families with unmarried children, the parent is the head.
- In single-parent families with married children, the member who is mainly responsible for the maintenance of the family becomes the head.
- In families where relationships are other than husband-wife or parent-child, normally the eldest in the family is considered the head.

7. Classifying variables

Income

The former HFE survey classified data using the income data from the Survey of Consumer Finances (SCF) whose sample overlapped that of the HFE survey. The income data from the SCF were always for the calendar year before the HFE survey. So data from the May 1997 HFE survey was classified using 1996 income from the SCF.

For the SHS, household income for members 15 years of age or over is collected for the reference year. This information is used to classify both the expenditure and the facilities and equipment data. So facilities and equipment data from the 1997 SHS can be classified using 1997 income data from the same survey.

Household type

Comparing household type categories from the HFE survey and the SHS is difficult. Differences are due mainly to the use of the economic family concept by the HFE survey and not by the SHS. (See Table 2 at the end of this section)

Housing tenure

Housing tenure for the HFE survey was based on a household's status at the time of the survey. Data could be classified into two groups: Owners (with or without a mortgage) and Renters.

The SHS system is based on a household's status throughout the reference year:

- Owners (all year)
 - With mortgage (at December 31)
 - Without mortgage (at December 31)
- Renters (all year)
- Mixed tenure (both owned and rented during the reference year)

There are two housing tenure variables on the microdata file: "dwelling tenure during reference year" and "dwelling tenure at December 31."

¹ An economic family is a group of individuals related by blood, marriage (including common-law relationships) or adoption.

² The primary economic family unit refers to the economic family that is listed first.

Table 2 Comparison of the Standard Household Type Classification for the Household Facilities and Equipment Survey and the Survey of Household Spending

Household Facilities and Equipment Survey

One-person households

- Age – under 65 years
- Age – 65 years and over

Single-family households, total

- No single children under 18 years
 - Married couples living alone
 - Other families without children
- With single children under 18 years
 - Single-parent families, no relatives other than children under 18 years
 - All other families with children

Multi-unit households

Notes for HFE household type:

1. A single-family household: The entire household is comprised of a single economic family which is a group of individuals related by blood, marriage (including common-law relationships) or adoption; there are no unrelated individuals living in that dwelling.
2. A multi-unit household: Any household formed by two or more unrelated persons, by two or more economic families or any combination of families and unattached individuals.

Survey of Household Spending

One-person households

- Person aged 65 and over

Husband-wife households

- Both aged 65 and over
 - Without additional persons, without children
 - Without additional persons, with children
 - With additional persons

Lone-parent households

- Female-headed

Other households

- All persons related
- At least one person unrelated

Notes for SHS household type:

1. Husband-wife households include those headed by both married and common-law couples.
2. "Additional persons" includes both related and unrelated persons.
3. Children can be any age as long as they are single (never married). Foster children are included.
4. Lone-parent households consist of a parent and one or more single, never-married children.
5. "Related persons" includes children who are no longer single, never-married and other relatives by birth or marriage.
6. Unrelated persons are household members who are not related to the reference person (e.g., lodgers and room-mates).

Methodology

The 1997 Survey of Household Spending (SHS) was conducted from January to March 1998. The SHS is an annual survey collecting information on a voluntary basis from a probability sample of some 24,000 households. The data collected deal with spending habits, dwelling characteristics and facilities and equipment of Canadian households in 1997.

1.1 Target Population and Coverage

The target population of the SHS is comprised of individuals living in private, Canadian households who are neither official representatives of foreign countries living in Canada and their families, nor residents of Indian reservations or Crown lands. This restriction to private households implies that residents of institutions (such as prisons, long-term care hospitals and seniors' homes), as well as members of religious orders or other groups living in a community, members of the armed forces living on military bases and individuals living permanently in hotels or boarding houses are excluded.

The survey covers nearly 98% of the population of the ten provinces. In the Yukon and Northwest Territories³, the coverage is 78% and 70% of the population, respectively (or 77% and 74% of households). Note that in these regions, individuals living in very small communities (generally consisting of fewer than 100 households), or in unorganized areas, are excluded from the target population.

1.2 Sample Design

Survey data are collected from a sample of households selected according to a multi-stage, stratified sampling design. This design varies according to the level of urbanization, but generally consists of a two-stage sample for which the first level is an area sample, i. e. a sample of geographical areas called clusters. Dwellings are then selected from a list of all private dwellings in the selected clusters. All households living in the selected dwellings, and comprised of individuals from the target population, constitute the sample of households for the survey.

The SHS uses the same sample design as the Labour Force Survey (LFS) in order to minimise operating costs. The SHS sample is selected from LFS sampled clusters but the SHS selects different dwellings from those selected in LFS. A detailed description of the sample design of the LFS can be obtained in the publication, *Methodology of the Canadian Labour Force Survey*⁴.

The sample allocation among provinces and territories is described in section 1.2.1. An overview of the LFS design is presented in section 1.2.2, while the specifics of the SHS sample design are found in section 1.2.3. The sample design in the territories is described in section 1.2.4.

1.2.1 Sample allocation

The sample size for the 1997 survey is approximately 24,000 households. This sample is allocated between provinces and territories to obtain estimates of similar reliability levels. Since the expenditures of a household are correlated to the income of that household, the allocation is done according to the variability of income with a larger portion of the

³ Including Nunavut

⁴ Catalogue number 71-526-XPB

sample being allocated to provinces where individual incomes vary the most. Account is also taken, but to a lesser degree, of the size of the population in the sample allocation.

This allocation was modified in some cases. Since the population of the territories and of Prince Edward Island is much smaller than the population of other provinces, the size of the sample has been predetermined at 4% and 2% respectively. This is to avoid too high a proportion of the population being part of the sample. The sample sizes were also adjusted to take into account vacancy rates, i.e. the rates of unoccupied and seasonal dwellings that were observed in previous surveys.

The sample sizes by province/territory for the 1997 Survey of Household Spending are given in Table 3.

Table 3 Sample size by province and territory for the 1997 Survey of Household Spending

Province	Sample size (number of households)
Canada	23,842
Newfoundland	1,997
PEI	795
Nova Scotia	2,424
New Brunswick	2,044
Quebec	3,122
Ontario	3,362
Manitoba	1,772
Saskatchewan	1,478
Alberta	2,743
B.C.	3,010
Yukon	451
NWT*	644

* Northwest Territories (including Nunavut) as defined before April 1, 1999.

1.2.2 Sample design of the LFS

The base sample design for the LFS is mainly composed of a multi-stage, stratified sample comprised of dwellings selected from the clusters. This design is developed from Census of Population data and redesigned after each decennial census to take into account population changes. The current design is based on 1991 Census data.

The principles for the LFS sample design are the same for each province. First, each province is divided into three regions (urban, rural and remote), from which distinct geographical and socio-economic strata are formed within the intersections of economic regions (ER) and Employment Insurance Economic Regions (EIER). Each Census Metropolitan Area (CMA) constitutes a geographic region since it coincides with an EIER. In large cities, available income information is also used for stratification for high and low-income strata.

In most strata, six clusters (usually enumeration areas and, in high-density urban centres, block faces) are chosen according to a sampling method with probability proportional to size. In some cases where population density is low, an additional stage is added by selecting two or three primary sampling units, dividing them into clusters, and then selecting a sample of six clusters within each unit. For the entire sample design, six clusters (or a multiple of six) are used, so that each month, a sixth of the sample can be renewed for LFS purposes.

Generally, urban regions match urban areas defined for the Census (large and medium-sized urban centres of 1,000 persons and over). For most urban areas, an area frame was used but in some larger cities where the number of apartment buildings is high, an apartment list frame was used, as well as an area frame. The apartment list frame is a list of apartments created from information from the Canada Mortgage and Housing Corporation (CMHC). This list allows for a better representation of apartment tenants and minimizes the effect of population increase, as happens with the area frame when new apartment buildings are built in a cluster.

1.2.3 Sample design of the SHS

All clusters selected in the LFS design are visited by interviewers who produce a list of all private dwellings in each cluster. From this list, a sample of dwellings is selected for the LFS and a different sample is chosen for the SHS. Dwellings are selected using a systematic sample.

Since the sample size for the SHS is much smaller than for the LFS, dwellings are not selected in each selected cluster of the LFS. The LFS is a panel survey where households remain in the sample for six months. The LFS design was developed in such a way that it can be divided into six representative subsamples to allow for the renewal of a sixth of the sample each month. This is why six clusters (or multiples of six) are selected in each of the final strata, one per rotating group. This approach allows for the easy selection of a smaller sample for a survey since it is possible to choose a subset of the rotating groups. For the SHS, the number of rotating groups is determined at the strata level to meet the specific survey requirements in terms of provincial and sub-provincial distribution of the sample. Sometimes only a portion of a rotating group is needed. In this case, households not required are removed randomly.

As mentioned above, the dwelling sample is obtained following the cluster listing operation, which consists of enumerating all dwellings located within a cluster. Since the sampling rates are predetermined, there might be a variation between the expected sample size and the final sample size if the number of dwellings on the list is different from the number used during the development of the sample design. This problem is corrected by removing some selected dwellings randomly. This operation, which allows the size of the sample to be kept at the expected level, is called stabilization.

1.2.4 Sample design in the territories

The annual Survey of Household Spending must cover Canada as a whole, that is the population of all provinces and territories. In the past, the Family Expenditure Survey (FAMEX) covered only Whitehorse and Yellowknife in the territories. The survey results were thus only representative of these two centres. Since the probability sample design for the territories had not yet been finalised, 1997 was a transition year. The FAMEX probability design was used to select the sample in Whitehorse and Yellowknife, while a selection of other communities attempted to cover most of the population outside these cities. The selected sample does not, therefore, represent the entire target population of the territories. However, during weighting, the final 1998 sample design was used even though the non-probability sample covered only a subset of the strata and allowed a coverage of only about 70% of the target population, instead of the 90% anticipated for 1998.

The size of the sample allocated to Whitehorse in 1997 was not lowered compared to the 1996 Family Expenditure Survey. Whitehorse represents about 70% of the Yukon population. For the selection of the sample outside Whitehorse, two criteria were used. First, communities large enough not to have excessive sampling fractions were identified.

Next, it was necessary for these communities not to be part of the LFS sample in order to minimize response burden.

The size of the 1997 Yellowknife sample was lower than that of the 1996 FAMEX. Since Yellowknife represents less than 50% of the population of the Northwest Territories, the sample was reallocated to other communities. For the 1997 SHS, five major communities were selected to attempt to cover most of the population of the Northwest Territories and Nunavut (although Nunavut had not yet been officially recognized). Sample was allocated to communities large enough not to have excessive sampling fractions and taking into account their geographic distribution.

1.3 Data Collection

The aim of the SHS is to collect data on the complete budget of Canadian households, as well as on dwelling characteristics and household facilities and equipment. Budget information includes expenditures and income, as well as changes in assets and debts over a twelve-month period corresponding to the calendar year. Other characteristics are collected as of December 31 of the reference year. Collection is done through face-to-face interviews during the months of January to March following the reference year of the survey. A paper questionnaire is used by the interviewer to collect the information.

1.3.1 Data collection methodology

At the time of the interview, respondents are asked to remember expenditures incurred during the reference period i.e. the previous calendar year. Respondents are encouraged to consult documents related to the reference period to reduce the effort in recalling data and to provide more accurate information.

The survey questionnaire includes questions at the household level, such as expenditures for housing and furniture, food, transportation and recreation, while other questions are related to individual household members, e. g. personal income, taxes and clothing expenditures. As much as possible, the interview is held with the reference person of the household, i. e. the member responsible for paying the rent, mortgage, taxes, etc. Some information specific to individual household members is obtained by proxy. Given the great diversity of information to be obtained, data collection sometimes requires lengthy interviews, and it is sometimes necessary to make more than one visit to obtain complete information.

1.3.2 Interviews

Before the interview, an introductory letter underlining the importance of the survey and the confidentiality of the information collected, as well as a newsletter showing some results from the previous survey, are mailed to the occupants of the selected dwellings in order to provide them with information that could encourage them to participate in the survey. Generally, interviews are done face-to-face, with the interviewer asking the questions directly to the respondent and writing down the answers on a paper questionnaire. The duration of the interview varies according to the composition of the household and the type of expenditure. Some basic checking might be done during the interview. For example, the interviewer will ask the respondent to clarify unusual situations. Efforts are made to obtain the most complete answers to the questions, and the respondent is encouraged to give the best possible estimates when exact values are not available.

1.3.3 Monitoring and control

All SHS interviewers report to senior interviewers who are responsible for ensuring that interviewers know the concepts and methodology of the survey. Senior interviewers check questionnaires, periodically monitor the work of the interviewers, and review completed questionnaires. Senior interviewers are supervised by program managers in Statistics Canada regional offices.

Respondents' ability to remember is a key determinant of the quality of SHS data. Thus, one control procedure that is used measures the difference between receipts (income and other money received by the household) and disbursements (expenditures plus money flows⁵), as reported by the household. If the difference is more than 10% of the larger of receipts or disbursements, respondents are contacted again to obtain additional information and to try to identify errors or omissions.

1.3.4 Non-response to the SHS

Interviewers are instructed to make all reasonable efforts to interview the members of eligible households. If a person refuses from the beginning to participate in the SHS, the regional office sends a letter to the dwelling address to stress the importance of the survey and of the co-operation of the household. Then the interviewer makes a second visit. If the visit comes at an inappropriate time, the interviewer makes an appointment to return when it would be more convenient. If there is nobody at home, numerous additional attempts are made to contact the household, for example, by visiting at other times of the day on the way to or from other dwellings, or by talking to neighbours or landlords to get the names of the occupants and their phone numbers, etc. In the case of a non-response, dwellings included in the sample are never replaced by other dwellings. Senior interviewers, project supervisors or other interviewers follow up on refusals to try to convince the occupants to participate in the survey.

1.4 Data Processing

The main stages of data processing are coding, data entry, editing, imputation of partial non-response and weighting.

1.4.1 Coding and data capture

The Survey of Household Spending asks only a minimum of questions requiring coding. Coding is done by the interviewer, then checked by the senior interviewer.

Data capture is done with the help of an automated verification system that groups the questionnaires into batches and chooses some questionnaires from each batch to be entered a second time. Any errors found will then be corrected. If the number of errors in a batch is greater than a certain threshold, then the entire batch is resubmitted for re-entry.

1.4.2 Data Editing and Imputation

The first stage of automated verification is done after each questionnaire has been verified manually by both the interviewer and the senior interviewer. The respondent's answers must respect various essential consistency rules. Unusual situations that may justify corrections are also identified. This stage of verification is done in the Statistics Canada regional offices in case respondents need to be re-contacted if some supplementary information is needed to resolve the inconsistencies in their answers.

⁵ Formerly net change in assets and liabilities.

Members of specially trained verification teams resolve any problems identified. Thereafter, other verification checks are done at head office and invalid responses are corrected.

The treatment of SHS data also involves imputation for partial non-response. Partial non-response occurs when the respondent refuses to answer or doesn't know the answer to certain questions. The imputation approach differs depending on whether the data is categorical or continuous. Categorical data consist of specific values only (e.g. yes/no questions or type of dwelling questions), while continuous data may consist of any numerical value (e.g. income and expenditure data).

Categorical data, which are found mainly in the dwelling characteristics and facilities sections of the questionnaire, are imputed with the help of a "hot deck" imputation technique that randomly chooses a donor from a group of responding households with similar characteristics.

Income and expenditure data are imputed using the nearest neighbour technique. This technique consists of creating groups of households or individuals that share some criterion (for example, province of residence). Within these groups, each household requiring imputation (receiver) is matched to a household for which the questionnaire is complete (donor) and which resembles the first household in terms of specific characteristics (e.g. income, number of children, number of adults, etc.). Data from the donor are imputed to the receiver if these data meet consistency-editing rules. Note that the SHS collects information on several aspects of the budget of a household. Data are imputed by section coinciding generally to sections of the questionnaire, i.e. a group of interrelated questions. This allows the number of potential donors to be maximized since, if a household has only one unanswered question, it may serve as a donor for the sections it answered completely. This approach allows a household to be imputed by more than one donor. But this is minimized because the system searches for the most similar household according to certain characteristics, which are often the same from one section to the other. It is important to note that questions from the same section are all imputed by the same donor, thus preserving the relationships among the questions.

1.4.3 Weighting - REVISED

The estimation of population characteristics from a sample survey is based on the premise that each sampled unit represents a certain number of units in the population. A basic survey weight was attached to each record in the sample to reflect this representation. These basic weights were adjusted for non-response in classes corresponding to different urbanization levels in each province or territory except Quebec, Ontario and British Columbia where provinces are first divided into two or three sub-provincial regions. Urbanization levels are generally the following: major urban area, urban area from 100,000 to 500,000 residents, other smaller urban areas, and, finally, rural or remote areas. In the territories, there are only two non-response classes: the major city and the rest of the target population.

To increase the reliability of the estimates, weights were adjusted to ensure that estimates based on relevant characteristics of the population would respect population and household totals from sources other than the survey. For the ten provinces, there are two sets of totals. The first set of totals, for age/sex groups, household size and household type at the province level, are based on projections at January 1, 1998 using the 1996 Census of Population (adjusted for net undercoverage). Controls for 9 age/sex groups are used. These are combined with totals for one-person households, two-person households and more than two-person households. There are also totals for the number of single-parent families and couples with never-married children.

Because of their smaller population, only two age/sex groups were used for the two territories (Yukon and the Northwest Territories, including Nunavut): number of persons under 18, and number of persons 18 and over, combined with the totals for one-person households, two-person households and more than two-person households. For the 17 selected metropolitan areas, only two age groups are used, number of persons under 18, and number of persons over 18.

The second set of totals are derived from 1997 T4 information from Canada Customs and Revenue Agency (CCRA, formerly Revenue Canada) and is intended to ensure that the weighted distribution of income (based on wages and salaries) in the data set matches that of the Canadian population. This adjustment takes place in the 10 provinces but not in the territories.

There are two important differences between the weighting methodology used in the original release of this file (versions 1 and 2) and the weighting method used in this file (version 3). First, population and household counts used in the adjustment of survey weights are now based on the 1996 Census and not, as previously, on the 1991 Census. Secondly, totals from the Canada Customs and Revenue Agency (CCRA) are now being used to adjust survey weights to reflect the income distribution of the Canadian population. The 1998 public-use microdata file has also been reweighted using the same method. Re-weighting of the 1996 and 1992 Famex public-use microdata files and historical HFE public-use microdata files is also planned. The 1999 and subsequent microdata files will continue to use this weighting method.

Adjustment for influential data relies on detecting the few individuals who make a significant contribution (generally more than 1%) to provincial estimates of total income. If required, the weight of the household of these individuals is adjusted so that the estimates of the number of individuals with an income of this significance does not exceed the number obtained from the distribution of income from individual taxation data for individuals.

Data Quality

The Survey of Household Spending, like all surveys, is subject to errors, despite the precautions taken at the various steps of the survey to control errors. The total error of a survey is defined as the difference between the estimate obtained from the survey and the actual value for the target population. The total error is made up of two types of errors: sampling error and non-sampling error.

2.1 Sampling Error

Sampling errors arise because inferences about the entire population are based on information gathered from only a sample of the population. Slightly different results could be obtained if a complete census of the population was done, employing the same questionnaire, and the same interviewers, supervisors, processing methods, etc. In addition to the sample design and the estimation method used for the Survey of Household Spending, the size of the sample and the variability of each characteristic are determining factors in the sampling error. Characteristics that are rare or are distributed very unevenly across the population will have a greater sampling error than characteristics that are observed more frequently or are more homogeneous within the population.

2.1.2 Sampling error measurements

The standard error is a common measure of sampling error. The standard error corresponds to the degree of variation in the estimate, as a result of selecting one sample over another of the same size and design. Because the SHS uses a complex sample design and estimation method, the standard error is estimated using the Jackknife resampling method. For more details on the Jackknife method, see *Methodology of the Canadian Labour Force Survey, Catalogue number 71-526-XPB*.

The coefficient of variation (CV) is also frequently used to measure the reliability of an estimate, and simply expresses the standard error as a percentage of the estimate. Thus, if estimate Y is obtained for a certain characteristic, and SE is the estimated standard error, then the CV will be $(SE/Y) \times 100$. CVs for the SHS provided in annexes were calculated using the Jackknife method from the complete data file and thus differ slightly from those that microdata file users may produce using the coefficients of variation approximation method described in section 3.1.4.

Finally, the standard error or the coefficient of variation can be used to derive another measurement of the accuracy of estimates, the confidence interval. This measurement indicates the level of confidence that the true value for an observed characteristic lies within certain limits. An interval with a confidence level of 95% corresponds to the estimate obtained from the sample ± 2 standard errors ($Y \pm 2 SE$)⁶. This means that if the sampling were repeated numerous times, each sample would provide a different interval and 95% of the intervals would contain the true value of the characteristic. Similarly, if the sampling were repeated, the interval $Y \pm SE$ would contain the true value in 68% of cases.

2.2 Non-Sampling Error

Non-sampling errors can occur at almost all steps of the survey. Interviewers may misunderstand instructions, respondents may make errors when answering questions, responses on the questionnaire may be misunderstood or incorrectly entered into the computer, and errors may occur when data is processed or tallied.

When there are a large number of observations, the errors that occasionally occur will have little effect on the estimates derived from the survey. However, errors that occur systematically will result in a bias in those estimates. Much time and effort has been expended to reduce survey observation errors. Quality assurance measures have been implemented at each step in the data gathering and processing cycle to control data quality. These measures include using highly-qualified interviewers, comprehensive training for interviewers on survey procedures and questionnaires, supervising interviewers to identify questionnaire design problems or misunderstanding of instructions, and verification of coding and controls to check the processing logic.

Generally, non-sampling errors are fairly difficult to assess, and special studies must be conducted to estimate them. Some measures, such as response rates and the impact of imputation may, however, be obtained fairly easily. These measures may, to a certain extent, act as indicators of non-sampling errors. Below is a description of various types of non-sampling errors and some measures relating to the Survey of Household Spending.

2.2.1 Coverage error

When the survey is designed, the target population is defined (see Section 1.1). Coverage errors are the result of an inadequate representation of the target population

⁶ The confidence interval is calculated directly from the CV in a similar way, i.e., $Y \pm 2 (CV \times Y)/100$.

resulting from the sample frame units. Some units in the target population may be omitted from the sample frame, which is referred to as undercoverage. Other units not in the target population may be included erroneously, or some units may be included more than once, which is referred to as overcoverage.

There is generally a net undercoverage of the number of persons in the SHS, which is rectified by an adjustment of the weights using post-census demographic estimates. The slippage rate is a measurement of the percentage of deviation between post-census demographic estimates and the estimates from the survey calculated using weights not adjusted by external data. In the 1997 SHS, population undercoverage was 6.4% of the population nationally, varying from 4.6% to 11.5% for the provinces, and reaching a much higher level in the territories (25% in the Yukon and 17% in the Northwest Territories). It should be remembered that estimates produced for the territories will not be representative of the total population in the territories (see Section 1.2.4 on the sample design).

To correct the problem of coverage and reduce the resulting bias, the survey data are adjusted during weighting using demographic estimates for certain age groups, for each province or territory. This adjustment considerably reduces the bias created by coverage errors, but does not completely eliminate the bias if the characteristics of individuals omitted from the survey differ from the characteristics of individuals included for the same age group within a province or territory.

Also, the effectiveness of the coverage adjustment using demographic estimates depends largely on the quality of those estimates and whether they accurately represent the survey's target population.

2.2.2 Rate of response

For the 1997 survey, the final rate of response is 75.6%, mainly the result of two causes: non-response and unusable data. Non-response is due to the impossibility of contacting respondents (5.8%) or the refusal of household members to participate in the survey (15%). The data gathered for a household are considered unusable when a significant percentage of the questions on income or expenses were left unanswered (1.7%), meaning that the minimum information required was not provided. Another type of unusable data comes from questionnaires on which the difference between receipts (income and other money received by the household) and disbursements (expenditures and money flows⁷) is higher than 20% (1.9%).

⁷ Formerly net difference between assets and liabilities.

Table 4 Response rate and vacancy rate per province or territory

Province or Territory	Vacancy Rate	Non-response rate			Unusable-data rate			Final response rate
		TOTAL	No contact	Refusal	TOTAL	Incomplete	Not balanced	
Newfoundland	13.1	16.7	5.6	11.1	3.8	2.1	1.7	79.6
PEI	19.7	19.7	5.5	14.2	1.0	0.8	0.3	79.2
NS	15.5	21.9	7.8	14.1	4.5	1.9	2.6	73.6
NB	13.7	17.3	4.3	13.1	4.6	1.8	2.8	78.1
Quebec	9.4	17.9	4.7	13.2	1.0	0.9	0.1	81.1
Ontario	8.5	27.3	8.5	18.9	3.5	1.8	1.8	69.1
Manitoba	13.7	15.0	3.6	11.4	3.4	1.3	2.1	81.6
Saskatchewan	11.0	16.0	4.1	11.9	3.7	1.7	2.0	80.4
Alberta	5.6	21.0	4.7	16.2	4.4	2.5	1.9	74.6
BC	7.0	28.5	7.4	21.1	5.3	1.9	3.4	66.2
Yukon	9.5	18.4	2.9	15.5	5.1	2.2	2.9	76.5
NWT	15.2	11.0	3.6	7.5	2.3	1.6	0.8	86.6
TOTAL	10.9	20.7	5.8	15.0	3.6	1.7	1.9	75.6

The final response rate varies significantly among the provinces. The Northwest Territories have the highest rate, i.e. 87%, Quebec, Manitoba and Saskatchewan hover at around 81%, and Ontario and BC show rates lower than 70%. Ontario and BC both have high refusal rates and non-contact rates compared to the other provinces and territories. The unusable-data rate varies significantly among the provinces, and is particularly low in Quebec (1%) and the Northwest Territories (2%), but is higher than 5% in BC and the Yukon. The greatest variations among the provinces for unusable-data relate to non-balanced questionnaires, which vary from 0.1% to 3.4%.

The vacancy rate (residences that are unoccupied, seasonal or under construction) is also shown in Table 4, but it must be remembered that vacant residences do not contribute to the sample bias if they are identified correctly. Analyses of vacancy rate can be used to detect problems with residence identification during the data gathering process. The rate of vacancy for the SHS is 11%, slightly lower than the rate for the Labour Force Survey (LFS) for the same period.

2.2.3 Response error

Response errors are the result of a lack of accuracy in responses to the questions, and can be caused by various factors, i.e., the questionnaire needs improvements, questions are misinterpreted by interviewers or respondents, or respondents give erroneous answers.

In the SHS, response errors may occur for various reasons. Firstly, the respondent may forget to record expenditures made during the survey period (which corresponds to the calendar year), or provide an incorrect value because of the time elapsed between the date of the purchase and the date of the interview. These memory errors are probably the largest source of response error in the survey, given that the reference period is long (12 months) and that a wide variety of information is requested.

To minimize recall error, the difference between receipts (income and other money received by the household) and disbursements (expenditures plus money flows) is calculated for each household. When the difference between receipts and disbursements exceeds 10% of the highest value, the respondents are contacted again to obtain additional information and to try to identify errors or omissions. Respondents are also encouraged to consult various documents (bills, bank statements, etc.) to

provide more accurate data. To determine expenditures for small items purchased at regular intervals, and for food, the interviewers generally suggest that respondents estimate the frequency of purchases and the price generally paid so that the expenditure over a 12-month period may be calculated.

A second source of response error is the telescopic error, which means that expenditures incurred before or after the reference period are included. In the SHS, the use of the calendar year is considered an effective benchmark for the beginning and end of the reference period. Moreover, because the reference period is long, telescopic error has less of an impact.

Proxy responses can also contribute to response error. The member of the household who made the expenditure is generally the person able to report it most accurately. This is definitely the case for personal purchases. Expenditures reported by another person may result in an error, and this type of error can seriously affect certain categories of expenditures.

Among other sources of response errors, we cannot forget the respondent's degree of co-operation. The respondent may decide for personal reasons not to mention some expenditures, or to distort the facts. Also, respondent burden, given the length of the interview and the wide variety of items to report, as well as the pace of the interview, may result in respondent fatigue, and affect the quality of the data obtained. The average time required to complete the interview for respondent households that have provided usable data is one hour and 50 minutes. The interview time varies significantly from one household to the next, based on the size of the household, income and other characteristics.

Although response errors are seen as a significant source of error in a retrospective interview, they are the aspect related to data quality that is the most difficult to measure. Very expensive special studies are generally required to try to measure them. Survey techniques aimed at reducing them are used.

2.2.4 Non-response error

It is difficult to assess the bias in estimates caused by the imputation of partial non-response. It depends on the difference between respondents and non-respondents and the capacity of the imputation method to produce unbiased estimates. However, the rate of imputation gives an indication of the importance of partial non-response. The measurement of the impact of imputed values on global estimates is also a good indication of the potential bias of the estimates. These quality indicators are described in the following sections.⁸

2.2.4.1 *Percentage of households (or individuals) imputed*

A primary indication of the extent of partial non-response is the percentage of households requiring imputation and the number of variables imputed per household. The questionnaire can be divided into two major categories of variables, those gathered for the household, and those gathered from individuals, such as income and clothing expenses. For the second category, it is important to note that the option exists for the respondent to provide only the total income or total expenditure if he or she is unable to provide a breakdown by income source or type of expenditure. The level of imputation for income and clothing expenditures is thus higher, but does not affect total income, total clothing expenditures or total expenditure.

⁸ For operational reasons, these quality indicators are not available for categorical data such as dwelling characteristics and household equipment for the 1997 SHS.

The percentage of usable households for which an expenditure variable had to be imputed (excluding clothing expenditure variables) is shown in Table 5. Usable households correspond to all households sampled with the exception of those that could not be contacted, refused to respond, provided incomplete data or did not balance to 20%. The table is broken down based on the number of imputed variables (out of 237) for a household.

Table 5 Households requiring imputation of expenditure variables, by province/territory

Province or Territory	% of households requiring imputation of EXPENDITURE VARIABLES (excluding clothing expenditures)				
	Number of imputed variables (out of 237)				TOTAL
	1	2	3 to 10	11 or more	
Canada	8.6	2.1	1.3	0.0	12.0
Newfoundland	13.2	2.3	0.6	0.0	16.1
PEI	7.3	1.1	0.2	0.0	8.6
NS	6.7	1.9	1.2	0.1	9.2
NB	7.1	1.3	1.1	0.0	9.5
Quebec	1.9	0.8	0.5	0.0	3.2
Ontario	9.2	2.2	2.0	0.0	13.4
Manitoba	9.9	1.3	0.8	0.1	12.0
Saskatchewan	11.4	1.9	1.8	0.0	15.0
Alberta	11.5	2.2	1.0	0.0	14.6
BC	8.5	4.8	3.0	0.2	16.5
Yukon	11.7	2.2	0.5	0.0	14.3
NWT	12.5	7.3	2.6	0.0	22.3

Table 5 shows that 12% of households required imputation of at least one expenditure (excluding clothing). However, most of them required that only one or two variables be imputed. Provincial results are generally close to the national rate of 12%, with the exception of Quebec (3.2%) and Yukon (22.3%).

With respect to income, less than 3% of individuals in usable households required imputation. For almost 60% of them, the total income was provided by the respondent, but all components had to be imputed. Provincially, the percentage of individuals requiring imputation of at least one income variable varies from a maximum of just over 5% for Manitoba to slightly less than 1% for the Northwest Territories.

For clothing expenditures, close to 16% of individuals required some form of imputation. All provincial rates are close to the national rate, except Prince Edward Island and the Northwest Territories, which are lower, with rates of approximately 9%, and the Yukon, which shows a rate as high as 26%. Almost all of these individuals provided total clothing expenditures, but the components had to be imputed. The percentage of individuals for whom the total had to be imputed is less than 1% of individuals imputed in each province or territory. The high level of imputation of clothing expenditure components means that the estimates for those components could be significantly affected by the imputation, whereas the effect on the total estimates will be negligible.

2.2.4.2 Measurement of impact by type of expenditure and source of income

In the SHS, partial non-response mainly involves respondents who report having made a certain type of expenditure but do not know the total value of that expenditure for the reference period. The values imputed must thus be strictly positive. For uncommon types of expenditures or sources of income, for which a large percentage of households report a value of 0, the percentage of the total value of the estimate derived from imputed

data becomes a more effective measurement of the impact of imputation. This measurement, referred to here as the imputation impact measurement, is defined as the weighted total of imputed data divided by the total estimate (sum of weighted values).

The advantage of the imputation impact measurement as an indicator is that it can be calculated for aggregate expenditures. Table 6 shows this measurement for total expenditure estimates for each section in the questionnaire, i.e., the percentage of total weighted expenditures for each section which originates from imputed data. The table also shows the number of variables in the section and the percentage of total expenditures represented by that section. Only the variables that have an impact value higher than 1% in each section are shown.

Table 6 Measurement of the impact of imputation of expenditures by section

Section of the questionnaire / Variable	No. Var	Measurement of the impact of imputed values	Percentage of total expenditures
All Expenditures	248	0.7%	100.0%
E: Owned Principal Residences	3	0.1%	3.3%
F: Purchase and Sale of Homes	3	0.9%	0.4%
Legal charges related to dwelling (F008)		2.0%	0.1%
H: Renovations and Repairs	4	0.0%	3.0%
I: Rented Principal Residences	5	0.1%	4.8%
Parking at place of residence (I008)		1.1%	0.0%
J: Utilities and Other Rented Accommodation	6	0.2%	3.8%
K: Owned Secondary Residences	7	6.6%	0.5%
Property Taxes and Sewage Charges (K011)		15.2%	0.2%
Insurance (K012)		2.6%	0.0%
Other Expenses (K021)		14.3%	0.1%
L: Household Furnishings and Equipment	48	0.0%	5.0%
M: Home Operation	24	0.1%	4.9%
N: Food and Alcohol	11	0.0%	12.8%
O: Clothing	18	0.1%	4.2%
Women's clothing (O002)		16.1%	1.4%
Women's footwear (O003)		16.4%	0.4%
Women's accessories (O004)		16.5%	0.1%
Women's jewelry and watches (O005)		14.0%	0.2%
Men's clothing (O052)		16.8%	1.0%
Men's footwear (O053)		16.9%	0.3%
Men's accessories (O054)		16.2%	0.1%
Men's jewellery and watches (O055)		13.2%	0.1%
Children's outerwear etc. (O102)		6.7%	0.1%
Disposable diapers (O103)		6.3%	0.1%
Children's footwear (O104)		6.7%	0.0%
P: Personal and Health Care	19	0.2%	3.6%
Private Health Insurance (P006)		1.2%	0.3%
Dental Plans (P007)		1.8%	0.0%
Accident and disability insurance (P008)		1.1%	0.1%

Section of the questionnaire / Variable	No. Var	Measurement of the impact of imputed values	Percentage of total expenditures
Q: Automobiles and Trucks	18	1.0%	12.4%
Vehicle leasing costs (Q017)		2.9%	0.8%
Gas for rented cars (Q202)		4.5%	0.0%
Other expenses for rented cars (Q203)		2.8%	0.0%
Gas for rented trucks or vans (Q205)		8.2%	0.0%
Other expenses for rented trucks or vans (Q206)		9.9%	0.0%
R: Recreational Vehicles and Transport Services	16	0.1%	2.6%
Insurance premiums (R018)		1.9%	0.1%
Registration fees (R019)		1.6%	0.0%
S: Recreation, Reading Materials, and Education	36	0.1%	4.0%
T: Tobacco and Miscellaneous	16	0.2%	3.0%
Stock and bond commissions (T004)		2.3%	0.1%
Admin fees for brokers and others (T005)		2.2%	0.1%
V: Personal Taxes, Security, and Money Gifts	14	1.6%	31.8%
Income Tax (V002)		1.9%	22.3%
Income Tax on prior years (V003)		1.5%	1.0%
Government retirement/pension funds (V008)		1.6%	0.6%
Other retirement/pension funds (V010)		2.6%	0.7%
Union and professional association dues (V011)		1.1%	0.4%
Money gifts to persons outside Canada (V013)		1.3%	0.2%

Imputed values have an impact of only 0.7% of total expenditures. The breakdown by section shows that only two sections have an impact of over 1%: Section K, *Owned Secondary Residences* (6.6%) and Section V, *Personal Taxes, Security and Money Gifts* (1.6%).

Although the impact on total clothing expenditures is barely 0.1%, the impact on the components is much higher and should be taken into account when using estimates for those components. It is also recommended that users who are interested in estimates from Section K, *Owned Secondary Residences*, and particularly K011, *Property Taxes and Sewage Charges* and K021, *Other Expenses*, for which the impact of imputation is slightly over 15% and 14% respectively, take high imputation rates into account. However, this section represents only a tiny fraction (approximately one half of one percent) of total expenditures and the impact on the total is minimal.

Another area where users should be careful is Section Q, *Automobiles and Trucks*, where high values for the impact measurement are mainly found in four variables (Q202, Q203, Q205, and Q206), i.e., *gas and other expenses for leased vehicles*. These variables are highly uneven because the imputation appears to be presented in pairs and was almost completely concentrated in the Pacific region. The final result is a high impact of imputed values on national estimates for those four variables, and extremely high rates for BC in the Yukon. Any provincial estimate for those variables for BC and

the Yukon should be considered as highly doubtful (the impact is as high as 72 %⁹ for *other expenses for rented trucks or vans Q206* in the Yukon). However, the impact on other provinces is negligible. It should be noted that these variables represent a tiny percentage of expenditures in this section, and have hardly any impact on the other estimates.

For *Personal Taxes* in Section V, the impact of imputed values is approximately 2% but the imputation of this variable certainly has the biggest impact on total expenditures, since personal tax represents 22% of total expenditures.

The impact of imputation on the *estimate of total income* is negligible, barely 0.1%. However, users should be concerned about the effect of imputation on certain components, mainly *provincial tax credits*. It is important to take into account the fact that almost 18% of the estimate for this variable comes from imputed values. The imputation impact measurements for this variable differ widely from province to province. The impact is negligible in the Atlantic and Western provinces, whereas in Quebec, Ontario and particularly Manitoba, there are very significant impacts, which explain the high value for this variable nationally. Users must take into account the important impact of imputed values when examining any estimate based on that variable. The impact of imputed variables on the estimates for other income variables are all much lower, ranging from just over 1% (*Child tax benefit*) to just under 8% (*household member's pension*). The two variables most affected by imputation account for the smallest percentage of total income, which further explains the low impact on total income.

2.2.5 Impact of high values

Despite the weight adjustment for influential data, users should remain attentive when values are high. High values are more likely to occur in an asymmetrical population, and some types of expenditures lend themselves to extremely high values. These values have a strong influence on the calculation of totals, means and standard deviations. For example, the difference between two estimates of provincial means may be fully explained by the difference in values at the top of the scale.

The median is much less influenced by high values than the mean. Thus, when such values are present, an estimate of the median may prove extremely useful to measure control tendency and effectively complement the information provided by the estimate of the mean.

⁹ The imputation impact measurement can be very high even if the rate of imputation is low. This occurs when a small percentage of households report these types of expenditures and there is a high rate of unknown values for households reporting having made this type of expenditure.

GUIDELINES FOR TABULATION, ANALYSIS AND DISSEMINATION

This section describes the guidelines that users should follow when totalling, analysing, publishing or releasing data taken from the public-use microdata file.

Important note to users about full and part-year households

In 1997, the Survey of Family Expenditure (FAMEX) and the Household Facilities and Equipment Survey (HFE) were replaced by the Survey of Household Spending (SHS). FAMEX microdata files only included full-year households,¹⁰ as only such households could give a clear picture of income and expenditures over an entire year. HFE microdata, on the other hand, included all households, since data were collected as of December 31. To meet user needs, all households are listed on the SHS file, along with a variable indicating each household's status (full-year, part-year).

To create statistics for average annual expenditures, users should use records for full-year households. To tabulate dwelling characteristics, household equipment or create other types of expenditure statistics such as totals (aggregates) or market share, users should use records for full-year and part-year households.

3.1 Guidelines for Rounding

To ensure that estimates from this microdata file intended for publication or any other type of release correspond to estimates that would be obtained by Statistics Canada, we strongly recommend that users comply with the following guidelines for rounding estimates.

- a) Estimates in the body of a statistical table must be rounded to the nearest hundredth using the traditional rounding technique, i.e., if the first or only number to be eliminated is between 0 and 4, the preceding number does not change. If the first or only number to be eliminated is between 5 and 9, the value of the last number to be retained increases by 1. For example, when using the traditional technique of rounding to the nearest hundredth, if the last two numbers are between 00 and 49, they are replaced by 00 and the preceding number (denoting hundredths) stays as is. If the last two numbers are between 50 and 99, they are replaced with 00 and the preceding number increased by 1.
- b) Total partial marginals and total marginals in statistical tables must be calculated using their unrounded corresponding components, then rounded in turn to the closest hundredth using the traditional rounding technique.
- c) Means, ratios, rates and percentages must be calculated using unrounded components (i.e., numerators and/or denominators), and then rounded to a decimal using the traditional rounding technique.

¹⁰ A *part-year household* consists entirely of members present only part of the year. A *full-year household* has at least one member present throughout the year. A member present for part of the year is a member of a household who has been present less than 52 weeks. Income and expenditure data for members present just part of the year are only collected for that part of the year they were included in the household.

- d) Totals and differences in aggregates (or ratios) must be calculated using their corresponding unrounded components, then rounded to the nearest hundredth (or decimal place) using the traditional rounding technique.
- e) If, due to technical or other limitations, a technique other than traditional rounding is used, with the result that the estimates to be published or released differ in any form from the corresponding estimates that would be obtained by Statistics Canada, we strongly advise users to indicate the reasons for the differences in the documents to be published or released.
- f) Unrounded estimates cannot under any circumstances be published or released in any way whatsoever by users. Unrounded estimates give the impression that they are much more precise than they actually are.

3.1.1 Guidelines for the weighting of the sample for totalling purposes

The sample design used for the SHS is not self-weighted, meaning that the households in the sample do not all have the same sampling weight. To produce simple estimates, including standard statistical tables, users must use the appropriate sampling weight. Otherwise, the estimates calculated using the microdata files cannot be considered as representative of the observed population and will not correspond to those of Statistics Canada.

Users should also note that depending on the method they use to process the weight field, some software packages may not produce estimates that correspond exactly to those of Statistics Canada.

3.1.1.1 Types of estimates: categorical versus quantitative

Before discussing how SHS data can be totalled and analysed, it is useful to describe the two main types of estimations that may be produced from the microdata file for the Survey of Household Spending.

Categorical estimates:

Categorical estimates are estimates of the number or percentage of households in the survey's target population that have certain characteristics or belong to a defined category. The number of households reporting a particular expenditure is an example of this type of estimate. The expression 'aggregate estimate' can also be used to refer to an estimate of the number of individuals with a given characteristic.

Examples of categorical questions:

Did you have a cellular telephone for personal use? _yes _no

When was your residence built?

- _ 1920 or earlier
- _ 1921-1945
- _ 1946-1960
- _ 1961-1970
- _ 1971-1980
- _ 1981-1990
- _ 1991-1996
- _ 1997

As of December 31, 1997, was your residence:

- Owned mortgage-free by your household?
- Owned with one or more mortgages by your household?
- Rented by your household?
- Occupied rent-free by your household?

Quantitative estimates:

Quantitative estimates are estimates of totals or means, medians or other central tendency measurements of quantities based on all members of the observed population or based on some of them. They also explicitly include estimates in the form X/Y where X is an estimate of the total quantity for the observed population and Y is an estimate of the number of individuals in the observed population who contribute to that total quantity.

An example of a quantitative estimate is mean annual expenditure for personal and health care per household in the target population. The numerator corresponds to an estimate of total annual expenditure for personal and health care, and the denominator corresponds to an estimate of the number of households in the population.

Example of quantitative question:

In 1997, how much did your household spend for telephone service? _____

3.1.1.2 *Totalling of categorical estimates*

Estimates of the number of persons with a given characteristic can be obtained from the microdata file by adding the final weights of all records containing the desired characteristic or characteristics. Percentages and ratios in the X/Y form are obtained as follows:

- a) by adding the final weights of records containing the desired characteristic for the numerator X ;
- b) by adding the final weights of records containing the desired characteristic for the denominator Y ;
- c) by dividing the estimate for the numerator by the estimate for the denominator.

3.1.1.3 *Totalling of quantitative estimates*

Quantitative estimates can be obtained from the microdata file by multiplying the value of the desired variable by the final weight of each record, and then adding this quantity for all records of interest. For example, to obtain an estimate of total expenditure by owners for electricity, the value reported for the question "In 1997, how much did your household spend on electricity?" is multiplied by the final weight of the record, and then that result is summed over all records with a positive response to the question "On December 31, 1997, was your house: 'Owned mortgage-free by your household' or 'Owned with one or more mortgages by your household'."

To obtain a weighted mean expressed by the formula X/Y , the numerator X is calculated as a quantitative estimate and the denominator Y as a categorical estimate. For example, to estimate mean expenditures for electricity by household, where the residence is owned, you must:

- a) estimate the total expenditure for electricity for households where the residence is owned, using the method described above;

- b) estimate the number of owned households by adding the final weights for all records with a positive response to the question “As at December 31, 1997, was your house: ‘Owned mortgage-free by your household’ or ‘Owned with one or more mortgages by your household’”; and then,
- c) divide the estimate obtained in a) by the one calculated in b).

Note: Because average expenditures are being estimated, “part-year” households must first be excluded from calculations (for further details, see *Important Note to Users about Full and Part-Year Households*).

3.1.2 Guidelines for statistical analysis

The Survey of Household Spending is based on a complex survey design that includes stratification and multiple stages of selection, as well as uneven respondent selection probabilities. The use of data from such complex surveys poses problems for analysts, because the survey design and the selection probabilities influence the estimation and variance calculation methods to be used.

Although numerous analytical methods in statistical software packages allow for the use of weights, the meaning or definition of weights differs from that suitable for a sample survey. As a result, although the estimates done using those packages are in many cases accurate, the variances calculated have almost no significance.

For numerous analytical techniques (for example, linear regression, logistic regression, variance analysis), there is a way to make the application of standard packages more significant. If the weights of the records contained in the file are converted so that the mean weight is (1), the results produced by standard packages will be more reasonable and will take into account uneven selection probabilities, although they still cannot take into account the stratification and the cluster distribution of the sample. The conversion can be done using in the analysis a weight equal to the original weight divided by the mean of original weights for sampling units (households) that contribute to the estimator in question. However, because this method still does not take into account sample design stratification and clusters, the estimates of the variance calculated in this way will very likely be underestimates of true values.

3.1.3 Guidelines for release

Before releasing and/or publishing estimates taken from the microdata file, users must first determine the level of reliability of the estimates. The quality of the data is affected by the sampling error and the non-sampling error as described above. However, the level of reliability of estimates is determined solely on the basis of sampling error, as evaluated using the coefficient of variation (CV) as shown in the table below. In addition to calculating CVs, users should also read the section of this document regarding the characteristics of data quality.

Whatever CV is obtained for an estimate from this microdata file, users should determine the number of sampled respondents who contribute to the calculation of the estimate. If this number is less than 30, the weighted estimate should not be released regardless of the value of the CV for this estimate. For weighted estimates based on sample sizes of 30 or more, users should determine the CV of the rounded estimate following the guidelines below.

Table 7 Sampling Variability Guidelines

Type of Estimate	CV (in %)	Guidelines
1. Acceptable	0.0 – 16.5	Estimates can be considered for general unrestricted release. Requires no special notation.
2. Marginal	16.6 – 33.3	Estimates can be considered for general unrestricted release but should be accompanied by a warning cautioning subsequent users of the high sampling variability associated with the estimates. Such estimates should be identified by the letter M (or in some other similar fashion).
3. Unacceptable	Greater than 33.3	<p>Statistics Canada does not recommend the release of estimates of unacceptable quality. However, if the user chooses to do so then estimates should be flagged with the letter U (or in some other similar fashion) and the following warning should accompany the estimates:</p> <p>“The user is advised that . . . (specify the data) . . . do not meet Statistics Canada’s quality standards for this statistical program. Conclusions based on these data will be unreliable and most likely invalid.”</p>

3.1.4 Computation of approximate sampling error

In order to provide a way of assessing the quality of estimates, Statistics Canada has produced a coefficient of variation table (CV table) which is applicable to estimates of averages, ratios and totals obtained from this public use microdata file for the major variables of the SHS by province and at the Canada level (See Appendix E). The CV of an estimate is defined to be the square root of the variance of the estimate divided by the estimate itself and expressed as a percentage. The numerator of the CV is a measure of the sampling error of the estimate, called the standard error, and is calculated at Statistics Canada with the Jackknife method. This method requires, among other things, information about the strata and the clusters, which can’t be given on the public use microdata file for reasons of confidentiality. So that users may estimate CVs for variables not included in the CV tables, Statistics Canada has produced a set of rules to obtain approximate CVs for a wide variety of estimates. It should be noted that these rules provide approximate and, therefore, unofficial CVs. The quality of the approximation, however, is quite satisfactory, especially for the most reliable estimates.

3.1.4.1 How to obtain approximate CVs

The following rules should enable the user to determine the approximate coefficients of variation for estimates of totals, means or proportions, ratios and differences between such estimates for sub-populations (domains) for which the Jackknife CV is not provided in the CV tables.

Important: If the number of observations on which an estimate is based is less than 30, the weighted estimate should not be released regardless of the value of the CV for this estimate. This is because the formulas used for estimating the variance do not hold true for small sample sizes.

Rule 1: Approximating CVs for estimates of totals (aggregates)

All the steps below must be followed to obtain an approximate CV (ACV) for an estimate of a total (either a number of households possessing a certain characteristic (categorical estimate) or a total of some expense for all households (quantitative estimate)) for a sub-population (domain) of interest:

- 1) Create a binary variable for each household, say I, equalling 1 if the household is part of the domain of interest, i.e. possesses the desired characteristic and 0 otherwise;
- 2) To estimate a quantitative variable, create a variable Y representing the product of the binary variable I and the variable of interest. To estimate a categorical variable, create a variable Z equal to 1 if the categorical variable is equal to the value of interest, and equal to 0 otherwise. Define variable Y as the product of I and Z;
- 3) Do step (4) to step (9) for each province separately;
- 4) Calculate the sum over all the households of the product of the final weight (section 1.4.3), and Y; (this sum represents the estimate of the total for the domain of interest in the province under consideration)
- 5) Calculate the sum over all the households of the product of the final weight and the household size;
- 6) Divide the result obtained in step (4) by the result obtained in step (5);
- 7) For each household, multiply the result obtained in step (6) by the household size;
- 8) For each household, define a variable, say E, by the subtraction of the result obtained in step (7) from Y;
- 9) Calculate the sum over all the households of the product of the final weight minus 1, the final weight and E squared; (this sum represents the estimated variance of the total estimated at step 4);
- 10) Add up the result obtained in step (9) for each province;
- 11) The ACV is defined to be 100 times the square root of the result obtained in step (10), divided by the estimate. The estimate is the sum over all the provinces of the result obtained in step (4).

More formally, the step (10) above can be obtained with the following formula:

$$\sum_{p=1}^{12} \sum_{k \in S_p} (w_k - 1) w_k \left(Y_k - m_k \sum_{k \in S_p} w_k Y_k / \sum_{k \in S_p} w_k m_k \right)^2$$

where the index p corresponds to provinces, S_p is the sample of respondents for the province p , the index k corresponds to households, w_k is the final weight for the k^{th} household, m_k is the household size for the k^{th} household and Y_k is the value of the variable Y, defined in step (2) above, for the k^{th} household. As you can see, index p , the province indicator, takes values ranging from 1 to 12. Twelve distinct province codes appear on the microdata file: one for each of the 10 provinces, one for all of the territories, and a "00" province code assigned to a set of records for reasons of confidentiality (See *To Protect Confidentiality*, below in this section).

Note: Two household size variables appear in the microdata file. To calculate approximate CVs, the variable used to define household size is "Household size at December 31," rather than "Household size (number of persons a member sometime in reference year)."

Important: When estimating variance for a given domain, do not limit yourself to units belonging to the domain. The entire sample should always be used to estimate variance. Units that do not belong to the domain of interest are not considered when computing the point estimate of the total, but do contribute when estimating the variance.

Rule 2: Approximating CV for estimates of ratios (averages, proportions, etc.)

Ratio refers to the relationship between two estimates of totals. Calculations of approximate CVs for averages, proportions or any other types of ratio, may be approximated using the following formula:

$$ACV_R = \sqrt{ACV_N^2 + ACV_D^2}$$

where ACV_R is the approximate CV of the ratio, ACV_N is the approximate CV of the numerator of the ratio and ACV_D is the approximate CV of the denominator of the ratio. The formula will tend to overestimate the CV if the two estimates forming the ratio are positively correlated and underestimate the CV if these two estimates are negatively correlated.

Rule 3: Approximating CVs for estimates of differences

The approximate CV of a difference between any two estimates ($EST_{DIFF} = EST_1 - EST_2$) is given by:

$$ACV_{DIFF} = \frac{\sqrt{(EST_1 ACV_1)^2 + (EST_2 ACV_2)^2}}{|EST_{DIFF}|}$$

where ACV_1 is the approximate CV associated with EST_1 and ACV_2 is the approximate CV associated with EST_2 . The formula will tend to overestimate the CV if the two estimates forming the difference are positively correlated and underestimate the CV if these two estimates are negatively correlated.

3.1.4.2 Examples

Detailed calculations of approximate CVs used for estimating totals are initially presented using fictive cases. Then actual cases of estimating totals, averages (or proportions) ratios and differences, based on microdata file data, will be presented so users can check results and ensure that the method used was valid.

Part 1: Fictive case: details of calculating an approximated CV for estimating a total

A) Quantitative variable

Let us assume we wanted to estimate the total for a (quantitative) expenditure variable X, for households containing at least one person less than 17 years of age. To illustrate this procedure, we will use a fictional sample (see Table 8) on which we will present calculation details (see Table 9) for each of the eleven steps described above. As this procedure is applied independently within each province, we shall merely describe calculations for one province.

Let us use the following sample for Ontario:

Table 8 Fictional example

Initial Data						
Identifier	Province	Entire year	Weight	Household size	Number of children aged 0-17	Variable of Interest X
00001	Ontario	Yes	5	3	2	30
00002	Ontario	Yes	20	5	3	0
00003	Ontario	Yes	25	2	1	20
00004	Ontario	No	5	4	2	50
00005	Ontario	Yes	15	3	0	20
00006	Ontario	Yes	10	1	0	10
00007	Ontario	Yes	15	4	0	15

In step 1, we define the domain of interest by creating a binary variable equal to 1 for all units belonging to the domain. In the present case, these are households with at least one child between the ages of 0 and 17 years. We then proceed to steps 2 through 9 to estimate variance, which will lead to calculation of the CV. We thus obtain the following results:

Table 9 Calculation details for approximating the CV of a total (steps 1 to 9)

	(X * I)	(Weight * Y)	(Weight * size)				
1	30 * 1 = 30	5 * 30 = 150	5 * 3 = 15		3 * 3 = 9	30 - 9 = 21	(4 * 5 * 21 * 21) = 8,820
1	0 * 1 = 0	20 * 0 = 0	20 * 5 = 100		3 * 5 = 15	0 - 15 = -15	(19 * 20 * (-15) * (-15)) = 85,500
1	20 * 1 = 20	25 * 20 = 500	25 * 2 = 50		3 * 2 = 6	20 - 6 = 14	(24 * 25 * 14 * 14) = 117,600
1	50 * 1 = 50	5 * 50 = 250	5 * 4 = 20		3 * 4 = 12	50 - 12 = 38	(4 * 5 * 38 * 38) = 28,880
0	20 * 0 = 0	15 * 0 = 0	15 * 3 = 45		3 * 3 = 9	0 - 9 = -9	(14 * 15 * (-9) * (-9)) = 17,010
0	10 * 0 = 0	10 * 0 = 0	10 * 1 = 10		3 * 1 = 3	0 - 3 = -3	(9 * 10 * (-3) * (-3)) = 810
0	15 * 0 = 0	15 * 0 = 0	15 * 4 = 60		3 * 4 = 12	0 - 12 = -12	(14 * 15 * (-12) * (-12)) = 30,240
		Total: 900	Total: 300	900 / 300 = 3			Total = 288,860

If we wanted to know the CV for Ontario, we would perform the following calculation:

$$CV_{ONT} = 100 * \frac{\sqrt{Variance_{ONT}}}{Estimation_{ONT}} = 100 * \frac{\sqrt{Step\ 9_{ONT}}}{Step\ 4_{ONT}} = 100 * \frac{\sqrt{288860}}{900} = 59,7$$

If we wanted to know the CV for Canada, we would proceed in similar manner, by totalling the results for each province. In other words,

$$CV_{CAN} = 100 * \frac{\sqrt{Variance_{CAN}}}{Estimation_{CAN}} = 100 * \frac{\sqrt{Variance_{NF} + \dots + Variance_{BC} + Variance_{TERR} + Variance_{PROV\ 00}}}{Estimation_{NF} + \dots + Estimation_{BC} + Estimation_{TERR} + Estimation_{PROV\ 00}}$$

Comment: In this example, we wanted to estimate the total for expenditures variable X. If, for example we had wanted to use this total to calculate average expenditures X per household, the approach would have been slightly different. As unit 00004 was a “part-year” household, it would not have been considered part of the domain of interest. Binary variable I would thus have taken the value of 0 and the final result would have been different (for further details, see *Important Note to Users About Full and Part-Year Households*).

B) Qualitative variable (categorical)

In the event a categorical variable is estimated, the steps in calculating approximate CVs will be the same as in the quantitative variable example presented. Instead of a quantitative value for variable of interest X, we would create a dichotomous variable that would be equal to 1 if the household has the features we want to estimate. If not, it would be equal to 0.

To estimate categorical variables, various approaches may be used for defining the domain and the variable of interest, both of which will produce the same results.

Let us assume we want to estimate the number of households consisting of more than one person living in a single-family dwelling. We could proceed in different ways:

- 1) Binary variable I is equal to 1 for all households and variable X is equal to 1 for households consisting of more than one person living in a single-family dwelling.
- 2) Binary variable I is equal to 1 for all households consisting of at least one person and variable X is equal to 1 for all households the members of which live in a single-family dwelling.
- 3) Binary variable I is equal to 1 for all households the members of which live in a single-family dwelling and variable X is equal to 1 for all households made up of more than one person.
- 4) Binary variable I is equal to 1 for all households made up of more than one person living in a single-family dwelling and X is equal to 1 for all households.

Whatever approach is used, the resulting Y variable (step 2) will be equal to 1 if the household possesses all the necessary features (more than one person and living in a single-family dwelling). If not, it will be equal to 0. Results in terms of point estimates and estimates of variance (CV) will thus be the same.

Part 2: Actual cases based on the microdata file

Example 1a: Approximation of CV for estimates of totals (quantitative variable)

Let us assume that we have estimated that household furnishings and equipment expenditures for one-person households in Manitoba total \$71,782,336. We have to estimate the approximate CV for this estimate. Users must therefore follow steps (1) to (11) of rule 1.

- 1) Create a binary variable I whose value is 1 if the household was a one-person household and resides in Manitoba, otherwise I equals 0.
- 2) Y is defined for each household as the product of the binary variable I and the ‘total household furnishing and equipment expenditures’ variable.

Note that the estimate of spending on household furnishings and equipment is obtained by adding the product of variable Y defined in 2) and the final weight of the household.

Table 10 shows the results of some of the steps in the approximate CV calculation.

Table 10 Calculation of ACV

Step	Total spending on household furnishings and equipment for one-person households in Manitoba
4	71,782,336
5	1,036,189
6	69.2753
9	5.1327×10^{13}
10	5.1327×10^{13}
11	9.98

Example 1b: Approximation of CV for estimates of totals (qualitative variable)

Let us assume we now want to estimate the total number of Canadian one-person households, as well as the total number of Canadian households made up of one person living in different types of accommodations.

In this case, variable I is defined as having the value 1 if the household is one-person. If not, it is 0. We must create five Z variables: Z1 with a value of 1 if the type of residence occupied is a “single-family dwelling,” and 0 if not; Z2 equals 1 if the type of residence is semi-detached, and 0 if it is not. Z3 equals 1 if the type of residence is a townhouse, and 0 if it is not. Z4 equals 1 if the type of residence is a row house, and 0 if it is not. Finally, Z5 equals 1 if the type of house is “other,” and 0 if it is not. Y1 is defined as the product of I and Z1, Y2 as the product of I and Z2, etc.

The estimates obtained are 2,815,837 for the set of one-person households, 898,959 for single-family dwellings¹¹, 82,736 for semi-detached houses¹², 125,850 for town houses¹³ and 1,708,292 for “other.”¹⁴ We want to calculate the approximate CVs for these estimates.

Table 11 shows the results for some steps in the calculation of the approximate CV. The results presented for steps 4 to 9 are the results for Manitoba, while those presented for steps 10 and 11 are Canada-wide.

Table 11 Calculation of ACV

Step	Number of one-person households	Number of one-person households living in a single-family dwelling	Number of one-person households living in a semi-detached dwelling	Number of one-person households living in a townhouse	Number of one-person households living in other housing
4	112,235	51,192	1,325	5,141	54,577
5	1,036,189	1,036,189	1,036,189	1,036,189	1,036,189
6	0.108315	0.049404	0.001279	0.004961	0.052671
9	41,682,008	17,530,711	347,130	1,831,634	18,235,139
10	4,308,922,787	1,212,601,759	145,963,050	151,236,387	2,577,467,291
11	2.33	3.87	14.60	9.77	2.97

¹¹ Single family = single detached

¹² Semi-detached = double

¹³ Town houses = row or terrace

¹⁴ Other = duplex, apartment, hotel, mobile home, other

Example 1c: Approximation of CV for estimates of totals used in the calculation of average expenditures

Let us assume we want to estimate average expenditures on furnishings and household equipment for one-person households in Manitoba. To do so, we would have to estimate the number of one-person households in Manitoba, as well as the total of their expenditures on furnishings and household equipment.

Because we are interested here in calculating average expenditures, “part-year” households are outside the domain of interest. (For further details, see *Important Note to Users about Full and Part-Year Households*). This is why estimates of totals are slightly different than those obtained in the prior two examples.

Table 12 Calculation of ACV

Step	Number of one-person households in Manitoba	Total expenditures on furnishings and household equipment for households consisting of one person in Manitoba
4	108,450	68,260,963
5	1,036,189	1,036,189
6	0.104662	65.8769
9	40,031,867	4.7641x 10 ¹³
10	40,031,867	4.7641x 10 ¹³
11	5.83	10.11

Example 2: Approximation of CV for estimating ratios

Let us assume we wanted to estimate average expenditures on furnishings and household equipment for one-person households in Manitoba. Estimation of the average would be equal to \$68,260,963/108 450 = \$629.42. How does the user determine the CV of this estimate?

We have already calculated CVs for each of the two estimates involved in estimating the ratio. We would thus apply rule (2) to obtain the desired CV:

$$CVA_R = \sqrt{CVA_N^2 + CVA_D^2} = \sqrt{10.11^2 + 5.83^2} = 11.67$$

Example 3: Approximation of CV for estimating differences

Let us assume we wanted to estimate the difference between total expenditures on furnishings and household equipment in Alberta and in Manitoba, as well as the CV for this difference.

We would estimate total expenditures on furnishings and household equipment, along with their respective CVs for Manitoba (total = 530,672,446; CV = 4.02) and for Alberta (total = 1,570,966, 543; CV = 3.50).

Estimation of the difference would thus be 1,570,966,543 – 530,672,446 = 1,040,294,097. Rule (3) can be applied to obtain the desired CV.

$$CVA_{DIFF} = \frac{\sqrt{(EST_1 CVA_1)^2 + (EST_2 CVA_2)^2}}{|EST_{DIFF}|}$$

$$= \frac{\sqrt{(1,570,966,543 * 3.50)^2 + (530,672,446 * 4.02)^2}}{|1,040,294,097|} = 5.67$$

3.1.5 How to obtain confidence limits

Although coefficients of variation are widely used, a more intuitively meaningful measure of sampling error is the confidence interval of an estimate. A confidence interval constitutes a statement on the level of confidence that the true value for the population lies within a specified range of values. For example a 95% confidence interval can be described as follows.

If sampling of a population is repeated many times, each sample leading to a new confidence interval for an estimate, then in 95% of the samples the interval will cover the true population value.

Using the CV of an estimate, its confidence intervals may be obtained assuming that, under repeated sampling of the population, the various estimates obtained for a characteristic are normally distributed around the true population value. Using this assumption, the chances are about 68 out of 100 that the difference between a sample estimate and the true population value would be less than one standard error, about 95 out of 100 that the difference would be less than two standard errors, and about 99 out of 100 that the differences would be less than three standard errors. These different degrees of confidence are referred to as the confidence levels.

Confidence intervals for an estimate, EST, are generally expressed as two numbers, one below the estimate and one above the estimate, as (EST - k, EST + k) where k is determined depending on the level of confidence desired and the sampling error of the estimate.

Confidence intervals for an estimate can be calculated by first determining the ACV of the estimate and then using the following formula to convert to a confidence interval CI:

$$(EST - z \times EST \times ACV / 100, EST + z \times EST \times ACV / 100)$$

where

- z = 1 if a 68% confidence interval is desired,
- z = 1.6 if a 90% confidence interval is desired,
- z = 2 if a 95% confidence interval is desired,
- z = 3 if a 99% confidence interval is desired.

Note: Release guidelines which apply to the estimate also apply to the confidence interval. For example, if the estimate is not releasable, then the confidence interval is not releasable either.

Example

A 95% confidence interval for the estimated mean of spending on household furnishings and equipment for one-person households in Manitoba would be calculated as follows:

$$\text{EST} = 629.42$$

$$z = 2$$

$$\text{ACV} = 11.67$$

$$\text{CI} = (629.42 - 2 \times 629.42 \times 11.67/100 ; 629.42 + 2 \times 629.42 \times 11.67/100) = (482.51; 776.33)$$

3.1.6 How to do a Z-test

Coefficients of variation may also be used to perform hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. The sample estimates can be totals, averages, ratios, etc. Tests may be performed at various levels of significance, where a level of significance is the probability of concluding that the characteristics are different when, in fact, they are identical.

Let EST_1 and EST_2 be sample estimates for 2 characteristics of interest. Let the approximate CV of the difference $\text{EST}_1 - \text{EST}_2$ be ACV_{DIFF} .

If $z = 1 / \text{ACV}_{\text{DIFF}}$ is less than 2, then no conclusion about the difference between the characteristics is justified at the 5% level of significance. If however, this ratio is larger than 2, the observed difference is significant at the 5% level.

Example

Let us suppose we wish to test, at the 5% level of significance, the hypothesis that there is no difference between the total of spending on furnishings and equipment in Alberta and the same total in Manitoba. From example 3, section 3.1.4.2, the approximate CV of the difference between these two estimates was found to be 5.67 and $z = 17.6$. Since this value is greater than 2, it must be concluded that there is significant difference between the two estimates at the 0.05 level of significance.

CONFIDENTIALITY OF THE PUBLIC-USE MICRODATA

Microdata files for public use differ in many ways from the master file of the survey held by Statistics Canada. These variations are due to measures taken to preserve the anonymity of respondents to the survey.

The confidentiality of this file is ensured mainly by reducing information, i.e., deleting variables or suppressing or collapsing some of their detail.

To protect confidentiality

- All explicitly identifying information, such as identification numbers, was removed from the file. (Names and addresses are not data captured).
 - 176 records had their province codes set to 0 and were *re-weighted*.
 - 91 records had their *province codes set to 0* due to exceedingly high or low expenditure values or due to high income values.
 - 85 records had their *province codes set to 0* because they had a high number of household members, either at the household level or for one of the sub-categories of household size.
 - Both territories are grouped under the same provincial code.
 - There was *top-coding and collapsing* of code sets for non-spending variables.
 - Income values at the household, reference person and spouse of reference person levels were *rounded* in the following manner:
 - For income values between \$1 and \$9,999: round to the nearest \$100
 - For income values between \$10,000 and \$99,999: round to the nearest \$1,000
 - For income values between \$100,000 and \$999,999: round to the nearest \$10,000
 - For income values between \$1,000,000 and \$9,999,999: round to the nearest \$100,000
 - For income values between \$10,000,000 and \$99,999,999: round to the nearest \$1,000,000
- The variables “Purchase price of dwelling” and “Selling price of dwelling” were also rounded.

APPENDICES

APPENDIX A

Frequency Counts – Public-Use Microdata File – SHS 1997

HhldIndicatorFYPY	Full-year and Part-year Households			Full-year Households		
	INDICATOR	Frequency	Percent	INDICATOR	Frequency	Percent
Full Year	1	17,445	96.8	1	17,445	100.0
Part Year	2	586	3.2			
Province_PUMDF	PROVINCE	Frequency	Percent	PROVINCE	Frequency	Percent
Masked Records	00	176	1.0	00	174	1.0
Newfoundland	10	1,580	8.8	10	1,540	8.8
Prince Edward Island	11	628	3.5	11	611	3.5
Nova Scotia	12	1,768	9.8	12	1,718	9.8
New Brunswick	13	1,586	8.8	13	1,540	8.8
Quebec	24	2,515	13.9	24	2,433	13.9
Ontario	35	2,301	12.8	35	2,215	12.7
Manitoba	46	1,429	7.9	46	1,387	8.0
Saskatchewan	47	1,182	6.6	47	1,141	6.5
Alberta	48	2,019	11.2	48	1,938	11.1
British Columbia	59	1,963	10.9	59	1,903	10.9
All Territories	60	884	4.9	60	845	4.8
UrbanRuralCode	URB01	Frequency	Percent	URB01	Frequency	Percent
Masked Records	0	628	3.5	0	611	3.5
Urban	1	13,276	73.6	1	12,780	73.2
Rural	2	4,127	22.9	2	4,054	23.2
UrbanSize_PUMDF	URB02	Frequency	Percent	URB02	Frequency	Percent
Masked Records	0	2,683	14.9	0	2,599	14.9
Urban - 30,000 and over	1	8,753	48.5	1	8,423	48.3
Urban – under 30,000	2	2,468	13.7	2	2,369	13.6
Rural	3	4,127	22.9	3	4,054	23.2
TypeOfDwelling_B001_PUMDF	TYPDWEL	Frequency	Percent	TYPDWEL	Frequency	Percent
Single Detached	1	11,130	61.7	1	11,007	63.1
Double	2	590	3.3	2	567	3.3
Row or terrace	3	953	5.3	3	918	5.3
Duplex	4	779	4.3	4	740	4.2
Apartment	5	3,900	21.6	5	3,561	20.4
Hotel, rooming or lodging house, mobile home or other	6	679	3.8	6	652	3.7
YearDwellingBuilt_B003_PUMDF	YEARBUIL	Frequency	Percent	YEARBUIL	Frequency	Percent
1920 or before	1	1,461	8.1	1	1,414	8.1
1921-1945	2	1,437	8.0	2	1,376	7.9
1946-1960	3	2,838	15.7	3	2,762	15.8
1961-1970	4	2,945	16.3	4	2,826	16.2
1971-1980	5	4,455	24.7	5	4,316	24.7
1981-1990	6	3,171	17.6	6	3,094	17.7
1991 to survey year	7	1,724	9.6	7	1,657	9.5
NumRoomCode_PUMDF	ROOM	Frequency	Percent	ROOM	Frequency	Percent
1	01	163	0.9	01	143	0.8
2	02	364	2.0	02	324	1.9
3	03	1,425	7.9	03	1,292	7.4
4	04	2,704	15.0	04	2,520	14.4
5	05	3,495	19.4	05	3,398	19.5
6	06	3,150	17.5	06	3,094	17.7
7	07	2,591	14.4	07	2,559	14.7
8	08	1,840	10.2	08	1,832	10.5
9	09	1,155	6.4	09	1,147	6.6

	Full-year and Part-year Households			Full-year Households		
10	10	657	3.6	10	654	3.7
11 or more rooms	11	487	2.7	11	482	2.8
NumBedRoomCode_PUMDF	BEDROM	Frequency	Percent	BEDROM	Frequency	Percent
0	0	284	1.6	0	248	1.4
1	1	2,062	11.4	1	1,876	10.8
2	2	4,429	24.6	2	4,218	24.2
3	3	7,112	39.4	3	6,991	40.1
4	4	3,208	17.8	4	3,183	18.2
5 or more bedrooms	5	936	5.2	5	929	5.3
NumBathRoomCode_PUMDF	BATHROM	Frequency	Percent	BATHROM	Frequency	Percent
0	0	37	0.2	0	35	0.2
1	1	12,443	69.0	1	11,912	68.3
2	2	4,649	25.8	2	4,601	26.4
3 or more bathrooms	3	902	5.0	3	897	5.1
TenureGroup_PUMDF	TENGROUP	Frequency	Percent	TENGROUP	Frequency	Percent
Homeowner without mortgage	1	6,024	33.4	1	6,004	34.4
Homeowner with mortgage	2	5,436	30.1	2	5,383	30.9
Tenants	3	5,970	33.1	3	5,475	31.4
Mixed tenure	4	601	3.3	4	583	3.3
Tenure_D001_PUMDF	TEND001	Frequency	Percent	TEND001	Frequency	Percent
Owned by the household without mortgage	1	6,076	33.7	1	6,054	34.7
Owned by the household with mortgage	2	5,797	32.2	2	5,736	32.9
Rented or occupied rent-free by the household	3	6,158	34.2	3	5,655	32.4
NeedRepairs_B004	REPAIR	Frequency	Percent	REPAIR	Frequency	Percent
Yes, major repairs were needed	1	1,731	9.6	1	1,697	9.7
Yes, minor repairs were needed	2	3,089	17.1	2	2,968	17.0
No, only regular maintenance was needed	3	13,211	73.3	3	12,780	73.3
YearMoveCode_PUMDF	YEARMOV	Frequency	Percent	YEARMOV	Frequency	Percent
Before 1970	1	1,897	10.5	1	1,897	10.9
1970-1979	2	2,076	11.5	2	2,076	11.9
1980-1989	3	3,706	20.6	3	3,706	21.2
1990-1996	4	7,456	41.4	4	7,456	42.7
1997	5	2,896	16.1	5	2,310	13.2
PurchaseHomeYN_F001	PURCHOM	Frequency	Percent	PURCHOM	Frequency	Percent
No	0	17,285	95.9	0	16,758	96.1
Yes	1	746	4.1	1	687	3.9
PrincipalHeatingCode_PUMDF	PRHEATC	Frequency	Percent	PRHEATC	Frequency	Percent
Steam or hot water furnace	1	3,137	17.4	1	2,974	17.0
Forced hot air and other hot air furnace	2	8,929	49.5	2	8,742	50.1
Heating stove (including wood stove, cookstove or other)	3	1,031	5.7	3	1,018	5.8
Electric heating	4	4,934	27.4	4	4,711	27.0
AgeOfHeatingEquip_B010	AGEHEQP	Frequency	Percent	AGEHEQP	Frequency	Percent
5 years or less	1	3,695	20.5	1	3,588	20.6
6 to 10 years	2	3,176	17.6	2	3,109	17.8
11 to 15 years	3	2,884	16.0	3	2,799	16.0
16 to 20 years	4	2,900	16.1	4	2,805	16.1
Over 20 years	5	5,376	29.8	5	5,144	29.5

	Full-year and Part-year Households			Full-year Households		
MainHeatingFuelCode_PUMDF	MHEATF	Frequency	Percent	MHEATF	Frequency	Percent
Oil or other liquid fuel	1	3,993	22.1	1	3,875	22.2
Piped gas(natural gas)	2	6,636	36.8	2	6,438	36.9
Electricity	3	5,633	31.2	3	5,388	30.9
Bottled gas (propane), wood, or other	4	1,769	9.8	4	1,744	10.0
MainHotWaterFuelCode_PUMDF	MHEATWF	Frequency	Percent	MHEATWF	Frequency	Percent
Oil or other liquid fuel	1	1,989	11.0	1	1,923	11.0
Piped gas (natural gas)	2	6,324	35.1	2	6,123	35.1
Bottled gas (propane), wood, other or no running hot water	3	388	2.2	3	374	2.1
Electricity	4	9,330	51.7	4	9,025	51.7
MainCookingFuelCode_PUMDF	MCOOKF	Frequency	Percent	MCOOKF	Frequency	Percent
Piped gas (natural gas)	1	561	3.1	1	547	3.1
Electricity	2	17,101	94.8	2	16,537	94.8
Oil or other liquid fuel, bottled gas (propane), wood, or other	3	369	2.0	3	361	2.1
ReducedRentReason_I005	REDURENT	Frequency	Percent	REDURENT	Frequency	Percent
Dwelling not rented	0	11,285	62.6	0	11,212	64.3
Government subsidized housing	1	1,009	5.6	1	969	5.6
Other reason (e.g. services to landlord)	2	539	3.0	2	465	2.7
No reduced rent	3	5,198	28.8	3	4,799	27.5
MaritalStatusRP_PUMDF	RP1	Frequency	Percent	RP1	Frequency	Percent
Married or common law	1	11,171	62.0	1	10,987	63.0
Never married (single)	2	2,728	15.1	2	2,456	14.1
Other (separated, divorced, etc.)	3	4,132	22.9	3	4,002	22.9
AgeRefPersCode_PUMDF	RP2	Frequency	Percent	RP2	Frequency	Percent
Less than 25 years	24	880	4.9	24	666	3.8
	25	251	1.4	25	222	1.3
	26	284	1.6	26	256	1.5
	27	310	1.7	27	282	1.6
	28	308	1.7	28	283	1.6
	29	324	1.8	29	304	1.7
	30	324	1.8	30	316	1.8
	31	378	2.1	31	356	2.0
	32	376	2.1	32	357	2.0
	33	445	2.5	33	435	2.5
	34	463	2.6	34	442	2.5
	35	459	2.5	35	443	2.5
	36	467	2.6	36	456	2.6
	37	488	2.7	37	472	2.7
	38	428	2.4	38	416	2.4
	39	463	2.6	39	455	2.6
	40	472	2.6	40	464	2.7
	41	449	2.5	41	444	2.5
	42	459	2.5	42	451	2.6
	43	408	2.3	43	401	2.3
	44	402	2.2	44	395	2.3
	45	382	2.1	45	377	2.2
	46	387	2.1	46	384	2.2
	47	403	2.2	47	398	2.3
	48	397	2.2	48	392	2.2
	49	361	2.0	49	358	2.1
	50	351	1.9	50	347	2.0
	51	298	1.7	51	296	1.7

	Full-year and Part-year Households			Full-year Households		
	52	294	1.6	52	291	1.7
	53	292	1.6	53	289	1.7
	54	278	1.5	54	277	1.6
	55	278	1.5	55	276	1.6
	56	266	1.5	56	265	1.5
	57	227	1.3	57	225	1.3
	58	222	1.2	58	221	1.3
	59	212	1.2	59	211	1.2
	60	227	1.3	60	226	1.3
	61	197	1.1	61	196	1.1
	62	204	1.1	62	203	1.2
	63	217	1.2	63	216	1.2
	64	181	1.0	64	179	1.0
	65	228	1.3	65	227	1.3
	66	224	1.2	66	224	1.3
	67	240	1.3	67	239	1.4
	68	186	1.0	68	184	1.1
	69	200	1.1	69	197	1.1
	70	176	1.0	70	175	1.0
	71	213	1.2	71	213	1.2
	72	197	1.1	72	197	1.1
	73	168	0.9	73	167	1.0
	74	169	0.9	74	167	1.0
	75	168	0.9	75	167	1.0
	76	197	1.1	76	196	1.1
	77	154	0.9	77	154	0.9
	78	134	0.7	78	134	0.8
	79	125	0.7	79	125	0.7
80-84 years	80	487	2.7	80	485	2.8
85 years and over	85	253	1.4	85	251	1.4
AgeRefPersGroupCode_PUMDF	RP3	Frequency	Percent	RP3	Frequency	Percent
Less than 25 years	01	880	4.9	01	666	3.8
25 - 29 years	02	1,477	8.2	02	1,347	7.7
30 - 34 years	03	1,986	11.0	03	1,906	10.9
35 - 39 years	04	2,305	12.8	04	2,242	12.9
40 - 44 years	05	2,190	12.1	05	2,155	12.4
45 - 49 years	06	1,930	10.7	06	1,909	10.9
50 - 54 years	07	1,513	8.4	07	1,500	8.6
55 - 59 years	08	1,205	6.7	08	1,198	6.9
60 - 64 years	09	1,026	5.7	09	1,020	5.8
65 - 69 years	10	1,078	6.0	10	1,071	6.1
70 - 74 years	11	923	5.1	11	919	5.3
75 - 79 years	12	778	4.3	12	776	4.4
80 - 84 years	13	487	2.7	13	485	2.8
85 years and over	14	253	1.4	14	251	1.4
SexRefPers	RP3	Frequency	Percent	RP4	Frequency	Percent
Male	1	9,245	51.3	1	8,966	51.4
Female	2	8,786	48.7	2	8,479	48.6
WeekFT_RefPers_PUMDF	RP4	Frequency	Percent	RP5	Frequency	Percent
Weeks worked full time by reference person	00	7,814	43.3	00	7,584	43.5
	01	22	0.1	01	18	0.1
	02	37	0.2	02	31	0.2
	03	31	0.2	03	25	0.1
	04	60	0.3	04	42	0.2
	05	17	0.1	05	15	0.1
	06	38	0.2	06	31	0.2
	07	20	0.1	07	18	0.1
	08	95	0.5	08	70	0.4

	Full-year and Part-year Households			Full-year Households		
	09	30	0.2	09	20	0.1
	10	145	0.8	10	137	0.8
	11	21	0.1	11	17	0.1
	12	159	0.9	12	129	0.7
	13	43	0.2	13	31	0.2
	14	64	0.4	14	59	0.3
	15	50	0.3	15	46	0.3
	16	140	0.8	16	124	0.7
	17	62	0.3	17	49	0.3
	18	62	0.3	18	55	0.3
	19	20	0.1	19	19	0.1
	20	144	0.8	20	124	0.7
	21	39	0.2	21	32	0.2
	22	53	0.3	22	45	0.3
	23	23	0.1	23	22	0.1
	24	110	0.6	24	102	0.6
	25	46	0.3	25	45	0.3
	26	312	1.7	26	277	1.6
	27	22	0.1	27	21	0.1
	28	102	0.6	28	87	0.5
	29	20	0.1	29	15	0.1
	30	111	0.6	30	102	0.6
	31	13	0.1	31	11	0.1
	32	130	0.7	32	122	0.7
	33	12	0.1	33	12	0.1
	34	41	0.2	34	32	0.2
	35	44	0.2	35	37	0.2
	36	110	0.6	36	106	0.6
	37	23	0.1	37	23	0.1
	38	41	0.2	38	41	0.2
	39	34	0.2	39	29	0.2
	40	178	1.0	40	171	1.0
	41	13	0.1	41	12	0.1
	42	60	0.3	42	60	0.3
	43	38	0.2	43	34	0.2
	44	110	0.6	44	101	0.6
	45	38	0.2	45	37	0.2
	46	79	0.4	46	78	0.4
	47	27	0.1	47	26	0.1
	48	131	0.7	48	126	0.7
	49	51	0.3	49	50	0.3
	50	118	0.7	50	118	0.7
	51	57	0.3	51	56	0.3
	52	6,771	37.6	52	6,771	38.8
WeekPT_RefPers_PUMDF	RP5	Frequency	Percent	RP6	Frequency	Percent
Weeks worked part time by reference person	00	15,458	85.7	00	14,990	85.9
	01	52	0.3	01	47	0.3
	02	70	0.4	02	67	0.4
	03	44	0.2	03	40	0.2
	04	95	0.5	04	88	0.5
	05	32	0.2	05	29	0.2
	06	59	0.3	06	56	0.3
	07	17	0.1	07	15	0.1
	08	95	0.5	08	90	0.5
	09	18	0.1	09	15	0.1
	10	89	0.5	10	84	0.5
	11	12	0.1	11	8	0.0

	Full-year and Part-year Households			Full-year Households		
	12	130	0.7	12	125	0.7
	13	25	0.1	13	20	0.1
	14	21	0.1	14	21	0.1
	15	23	0.1	15	21	0.1
	16	94	0.5	16	81	0.5
	17	29	0.2	17	25	0.1
	18	27	0.1	18	25	0.1
	19	7	0.0	19	6	0.0
	20	98	0.5	20	93	0.5
	21	13	0.1	21	10	0.1
	22	19	0.1	22	17	0.1
	23	7	0.0	23	7	0.0
	24	54	0.3	24	51	0.3
	25	25	0.1	25	24	0.1
	26	140	0.8	26	135	0.8
	27	6	0.0	27	6	0.0
	28	35	0.2	28	32	0.2
	29	4	0.0	29	4	0.0
	30	44	0.2	30	40	0.2
	31	10	0.1	31	8	0.0
	32	49	0.3	32	45	0.3
	33	5	0.0	33	5	0.0
	34	17	0.1	34	17	0.1
	35	18	0.1	35	18	0.1
	36	48	0.3	36	47	0.3
	37	6	0.0	37	6	0.0
	38	16	0.1	38	14	0.1
	39	16	0.1	39	13	0.1
	40	97	0.5	40	96	0.6
	41	5	0.0	41	5	0.0
	42	13	0.1	42	13	0.1
	43	11	0.1	43	10	0.1
	44	29	0.2	44	28	0.2
	45	9	0.0	45	9	0.1
	46	17	0.1	46	16	0.1
	47	6	0.0	47	6	0.0
	48	42	0.2	48	42	0.2
	49	12	0.1	49	12	0.1
	50	23	0.1	50	23	0.1
	51	4	0.0	51	4	0.0
	52	736	4.1	52	736	4.2
RefPersOwnPrevDwell_D003	RP6	Frequency	Percent	RP7	Frequency	Percent
Before 1992	0	9,119	50.6	0	9,119	52.3
Owned	1	2,510	13.9	1	2,439	14.0
Rented	2	5,516	30.6	2	5,329	30.5
Did not maintain own dwelling	3	886	4.9	3	558	3.2
AgeSpouseGroupCode_PUMDF	SP1	Frequency	Percent	SP1	Frequency	Percent
No spouse	00	6,754	37.5	00	6,352	36.4
Less than 25 years	01	435	2.4	01	359	2.1
25 - 29 years	02	990	5.5	02	946	5.4
30 - 34 years	03	1,381	7.7	03	1,351	7.7
35 - 39 years	04	1,539	8.5	04	1,522	8.7
40 - 44 years	05	1,562	8.7	05	1,555	8.9
45 - 49 years	06	1,316	7.3	06	1,311	7.5
50 - 54 years	07	1,091	6.1	07	1,089	6.2
55 - 59 years	08	798	4.4	08	796	4.6
60 - 64 years	09	658	3.6	09	657	3.8
65 - 69 years	10	586	3.2	10	586	3.4

	Full-year and Part-year Households			Full-year Households		
	SP2	Frequency	Percent	SP2	Frequency	Percent
70 - 74 years	11	448	2.5	11	448	2.6
75 - 79 years	12	283	1.6	12	283	1.6
80 - 84 years	13	141	0.8	13	141	0.8
85 years and over	14	49	0.3	14	49	0.3
AgeSpouseCode_PUMDF	SP2	Frequency	Percent	SP2	Frequency	Percent
No spouse	00	6,754	37.5	00	6,352	36.4
Less than 25 years	24	435	2.4	24	359	2.1
	25	153	0.8	25	143	0.8
	26	182	1.0	26	173	1.0
	27	205	1.1	27	195	1.1
	28	209	1.2	28	200	1.1
	29	241	1.3	29	235	1.3
	30	221	1.2	30	215	1.2
	31	224	1.2	31	214	1.2
	32	279	1.5	32	274	1.6
	33	313	1.7	33	309	1.8
	34	344	1.9	34	339	1.9
	35	290	1.6	35	289	1.7
	36	311	1.7	36	307	1.8
	37	330	1.8	37	328	1.9
	38	314	1.7	38	310	1.8
	39	294	1.6	39	288	1.7
	40	327	1.8	40	327	1.9
	41	321	1.8	41	318	1.8
	42	291	1.6	42	290	1.7
	43	320	1.8	43	318	1.8
	44	303	1.7	44	302	1.7
	45	289	1.6	45	289	1.7
	46	270	1.5	46	267	1.5
	47	252	1.4	47	250	1.4
	48	250	1.4	48	250	1.4
	49	255	1.4	49	255	1.5
	50	243	1.3	50	242	1.4
	51	242	1.3	51	242	1.4
	52	231	1.3	52	231	1.3
	53	198	1.1	53	197	1.1
	54	177	1.0	54	177	1.0
	55	178	1.0	55	177	1.0
	56	175	1.0	56	175	1.0
	57	155	0.9	57	155	0.9
	58	143	0.8	58	142	0.8
	59	147	0.8	59	147	0.8
	60	146	0.8	60	146	0.8
	61	142	0.8	61	142	0.8
	62	114	0.6	62	113	0.6
	63	128	0.7	63	128	0.7
	64	128	0.7	64	128	0.7
	65	150	0.8	65	150	0.9
	66	114	0.6	66	114	0.7
	67	109	0.6	67	109	0.6
	68	114	0.6	68	114	0.7
	69	99	0.5	69	99	0.6
	70	87	0.5	70	87	0.5
	71	108	0.6	71	108	0.6
	72	100	0.6	72	100	0.6
	73	89	0.5	73	89	0.5
	74	64	0.4	74	64	0.4
	75	61	0.3	75	61	0.3
	76	64	0.4	76	64	0.4

	Full-year and Part-year Households			Full-year Households		
	77	63	0.3	77	63	0.4
	78	54	0.3	78	54	0.3
	79	41	0.2	79	41	0.2
80-84 years	80	141	0.8	80	141	0.8
85 years and over	85	49	0.3	85	49	0.3
Sex_A004_PUMDF	SP3	Frequency	Percent	SP3	Frequency	Percent
No spouse	0	6,754	37.5	0	6,352	36.4
Male	1	4,572	25.4	1	4,500	25.8
Female	2	6,705	37.2	2	6,593	37.8
WeekFT_Spouse_PUMDF	SP4	Frequency	Percent	SP4	Frequency	Percent
Weeks worked full time by spouse	00	4,818	26.7	00	4,732	27.1
	01	14	0.1	01	14	0.1
	02	36	0.2	02	32	0.2
	03	21	0.1	03	21	0.1
	04	32	0.2	04	27	0.2
	05	15	0.1	05	15	0.1
	06	22	0.1	06	21	0.1
	07	10	0.1	07	10	0.1
	08	56	0.3	08	48	0.3
	09	14	0.1	09	13	0.1
	10	63	0.3	10	61	0.3
	11	5	0.0	11	4	0.0
	12	86	0.5	12	79	0.5
	13	27	0.1	13	25	0.1
	14	56	0.3	14	56	0.3
	15	27	0.1	15	26	0.1
	16	89	0.5	16	81	0.5
	17	25	0.1	17	24	0.1
	18	30	0.2	18	28	0.2
	19	13	0.1	19	13	0.1
	20	97	0.5	20	87	0.5
	21	14	0.1	21	13	0.1
	22	31	0.2	22	31	0.2
	23	12	0.1	23	12	0.1
	24	58	0.3	24	54	0.3
	25	19	0.1	25	19	0.1
	26	193	1.1	26	181	1.0
	27	9	0.0	27	9	0.1
	28	62	0.3	28	59	0.3
	29	6	0.0	29	6	0.0
	30	80	0.4	30	76	0.4
	31	8	0.0	31	8	0.0
	32	84	0.5	32	84	0.5
	33	10	0.1	33	10	0.1
	34	29	0.2	34	28	0.2
	35	32	0.2	35	30	0.2
	36	71	0.4	36	68	0.4
	37	13	0.1	37	12	0.1
	38	19	0.1	38	17	0.1
	39	25	0.1	39	20	0.1
	40	122	0.7	40	118	0.7
	41	9	0.0	41	9	0.1
	42	37	0.2	42	37	0.2
	43	16	0.1	43	16	0.1
	44	72	0.4	44	71	0.4
	45	27	0.1	45	27	0.2
	46	46	0.3	46	45	0.3
	47	19	0.1	47	19	0.1

	Full-year and Part-year Households			Full-year Households		
	48	95	0.5	48	94	0.5
	49	31	0.2	49	31	0.2
	50	78	0.4	50	78	0.4
	51	22	0.1	51	22	0.1
	52	4,372	24.2	52	4,372	25.1
No spouse	99	6,754	37.5	99	6,352	36.4
WeekPT_Spouse_PUMDF	SP5	Frequency	Percent	SP5	Frequency	Percent
Weeks worked part time by spouse	00	9,449	52.4	00	9,306	53.3
	01	32	0.2	01	31	0.2
	02	43	0.2	02	43	0.2
	03	26	0.1	03	26	0.1
	04	33	0.2	04	31	0.2
	05	16	0.1	05	16	0.1
	06	30	0.2	06	27	0.2
	07	11	0.1	07	10	0.1
	08	61	0.3	08	56	0.3
	09	10	0.1	09	10	0.1
	10	59	0.3	10	58	0.3
	11	4	0.0	11	3	0.0
	12	92	0.5	12	91	0.5
	13	16	0.1	13	14	0.1
	14	21	0.1	14	20	0.1
	15	30	0.2	15	30	0.2
	16	72	0.4	16	67	0.4
	17	11	0.1	17	9	0.1
	18	11	0.1	18	11	0.1
	19	1	0.0	19	1	0.0
	20	60	0.3	20	59	0.3
	21	8	0.0	21	8	0.0
	22	24	0.1	22	24	0.1
	23	4	0.0	23	3	0.0
	24	41	0.2	24	40	0.2
	25	17	0.1	25	17	0.1
	26	118	0.7	26	112	0.6
	27	3	0.0	27	3	0.0
	28	21	0.1	28	20	0.1
	29	6	0.0	29	6	0.0
	30	35	0.2	30	34	0.2
	31	3	0.0	31	3	0.0
	32	28	0.2	32	27	0.2
	33	4	0.0	33	4	0.0
	34	12	0.1	34	12	0.1
	35	15	0.1	35	14	0.1
	36	31	0.2	36	30	0.2
	37	5	0.0	37	5	0.0
	38	10	0.1	38	9	0.1
	39	5	0.0	39	4	0.0
	40	67	0.4	40	67	0.4
	41	5	0.0	41	5	0.0
	42	13	0.1	42	13	0.1
	43	5	0.0	43	5	0.0
	44	20	0.1	44	20	0.1
	45	11	0.1	45	11	0.1
	46	8	0.0	46	8	0.0
	47	1	0.0	47	1	0.0
	48	19	0.1	48	19	0.1
	49	3	0.0	49	3	0.0
	50	23	0.1	50	23	0.1

	Full-year and Part-year Households			Full-year Households		
	51	2	0.0	51	2	0.0
	52	622	3.4	52	622	3.6
No spouse	99	6,754	37.5	99	6,352	36.4
SpouseOwnPrevDwell_D004_PUMDF	SP6	Frequency	Percent	SP6	Frequency	Percent
Before 1992	0	6,227	34.5	0	6,227	35.7
Owned	1	1,745	9.7	1	1,731	9.9
Rented	2	2,784	15.4	2	2,737	15.7
Did not maintain own dwelling	3	521	2.9	3	398	2.3
No spouse	9	6,754	37.5	9	6,352	36.4
EconomicFamilies_PUMDF	D1	Frequency	Percent	D1	Frequency	Percent
1	1	17,285	95.9	1	16,789	96.2
2 or more	2	746	4.1	2	656	3.8
HhldComposition_PUMDF	D2	Frequency	Percent	D2	Frequency	Percent
One person	1	4,150	23.0	1	3,911	22.4
Married couple only	2	4,330	24.0	2	4,231	24.3
Married couple with single children only	3	6,058	33.6	3	5,986	34.3
Married couple with other relatives or any unrelated persons	4	783	4.3	4	770	4.4
Lone parent (person aged 17 years and over with child) with no additional persons	5	1,521	8.4	5	1,450	8.3
Other hhld with relatives only	6	654	3.6	6	630	3.6
Other hhld with any unrelated persons	7	535	3.0	7	467	2.7
HhldDec31	D3	Frequency	Percent	D3	Frequency	Percent
1	01	4,294	23.8	01	4,053	23.2
2	02	5,848	32.4	02	5,637	32.3
3	03	3,094	17.2	03	3,007	17.2
4	04	3,033	16.8	04	3,004	17.2
5	05	1,228	6.8	05	1,212	6.9
6	06	393	2.2	06	392	2.2
7	07	96	0.5	07	96	0.6
8	08	20	0.1	08	19	0.1
9	09	11	0.1	09	11	0.1
10	10	6	0.0	10	6	0.0
11	11	6	0.0	11	6	0.0
12	12	2	0.0	12	2	0.0
NumMale0to4_Dec31_PUMDF	D4	Frequency	Percent	D4	Frequency	Percent
	0	16,584	92.0	0	16,040	91.9
	1	1,236	6.9	1	1,200	6.9
	2	199	1.1	2	193	1.1
	3	11	0.1	3	11	0.1
	4	1	0.0	4	1	0.0
NumFemale0to4_Dec31_PUMDF	D5	Frequency	Percent	D5	Frequency	Percent
	0	16,656	92.4	0	16,114	92.4
	1	1,215	6.7	1	1,179	6.8
	2	151	0.8	2	143	0.8
	3	8	0.0	3	8	0.0
	4	1	0.0	4	1	0.0
NumMale5to17_Dec31_PUMDF	D6	Frequency	Percent	D6	Frequency	Percent
	0	14,490	80.4	0	13,966	80.1
	1	2,593	14.4	1	2,549	14.6
	2	803	4.5	2	788	4.5
	3	129	0.7	3	126	0.7
	4	13	0.1	4	13	0.1
	5	3	0.0	5	3	0.0

	Full-year and Part-year Households			Full-year Households		
NumFemale5to17_Dec31_PUMDF	D7	Frequency	Percent	D7	Frequency	Percent
	0	14,557	80.7	0	14,020	80.4
	1	2,588	14.4	1	2,546	14.6
	2	752	4.2	2	747	4.3
	3	122	0.7	3	120	0.7
	4	11	0.1	4	11	0.1
	5	1	0.0	5	1	0.0
NumYouth18to24_Dec31_PUMDF	D8	Frequency	Percent	D8	Frequency	Percent
	0	14,742	81.8	0	14,410	82.6
	1	2,390	13.3	1	2,237	12.8
	2	801	4.4	2	712	4.1
	3	91	0.5	3	79	0.5
	4	6	0.0	4	6	0.0
	5	1	0.0	5	1	0.0
NumPersAge25to64_Dec31_PUMDF	D9	Frequency	Percent	D9	Frequency	Percent
	0	3,476	19.3	0	3,270	18.7
	1	5,006	27.8	1	4,744	27.2
	2	8,856	49.1	2	8,745	50.1
	3	583	3.2	3	577	3.3
	4	82	0.5	4	81	0.5
	5	23	0.1	5	23	0.1
	6	5	0.0	6	5	0.0
NumPersAge65plus_Dec31_PUMDF	D10	Frequency	Percent	D10	Frequency	Percent
	0	14,016	77.7	0	13,449	77.1
	1	2,674	14.8	1	2,656	15.2
	2	1,327	7.4	2	1,326	7.6
	3	11	0.1	3	11	0.1
	4	3	0.0	4	3	0.0
SizeOfHhld_Total	D11	Frequency	Percent	D11	Frequency	Percent
1	01	4,150	23.0	01	3,911	22.4
2	02	5,821	32.3	02	5,616	32.2
3	03	3,117	17.3	03	3,025	17.3
4	04	3,081	17.1	04	3,050	17.5
5	05	1,274	7.1	05	1,259	7.2
6	06	422	2.3	06	420	2.4
7	07	110	0.6	07	110	0.6
8	08	25	0.1	08	24	0.1
9	09	14	0.1	09	13	0.1
10	10	8	0.0	10	8	0.0
11	11	6	0.0	11	6	0.0
12	12	3	0.0	12	3	0.0
AgeYoungestPrimChild_PUMDF	D12	Frequency	Percent	D12	Frequency	Percent
	00	514	2.9	00	489	2.8
	01	592	3.3	01	572	3.3
	02	517	2.9	02	498	2.9
	03	408	2.3	03	396	2.3
	04	363	2.0	04	357	2.0
	05	387	2.1	05	377	2.2
	06	349	1.9	06	346	2.0
	07	322	1.8	07	316	1.8
	08	322	1.8	08	316	1.8
	09	324	1.8	09	316	1.8
	10	302	1.7	10	299	1.7
	11	312	1.7	11	306	1.8
	12	310	1.7	12	306	1.8
	13	320	1.8	13	312	1.8
	14	300	1.7	14	298	1.7
	15	304	1.7	15	301	1.7
	16	289	1.6	16	285	1.6

	Full-year and Part-year Households			Full-year Households		
	17	307	1.7	17	305	1.7
	18	270	1.5	18	268	1.5
	19	214	1.2	19	212	1.2
	20	179	1.0	20	178	1.0
	21	146	0.8	21	145	0.8
	22	124	0.7	22	123	0.7
	23	108	0.6	23	108	0.6
	24	98	0.5	24	97	0.6
25 years and over	25	649	3.6	25	649	3.7
Without children	99	9,701	53.8	99	9,270	53.1
NumWeeks_PUMDF	D13	Frequency	Percent	D13	Frequency	Percent
	001	1	0.0	052	3,911	22.4
	002	2	0.0	053	5	0.0
	004	19	0.1	054	5	0.0
	005	4	0.0	055	3	0.0
	006	1	0.0	056	10	0.1
	007	2	0.0	057	2	0.0
	008	25	0.1	058	8	0.0
	009	8	0.0	059	1	0.0
	010	4	0.0	060	18	0.1
	012	12	0.1	061	7	0.0
	013	9	0.0	062	4	0.0
	014	3	0.0	063	2	0.0
	015	3	0.0	064	14	0.1
	016	24	0.1	065	9	0.1
	017	13	0.1	066	3	0.0
	018	10	0.1	067	1	0.0
	020	7	0.0	068	16	0.1
	021	6	0.0	069	8	0.0
	022	10	0.1	070	9	0.1
	024	23	0.1	072	14	0.1
	025	2	0.0	073	3	0.0
	026	35	0.2	074	5	0.0
	027	5	0.0	076	10	0.1
	028	7	0.0	077	3	0.0
	029	1	0.0	078	31	0.2
	030	13	0.1	079	3	0.0
	031	7	0.0	080	6	0.0
	032	20	0.1	081	3	0.0
	033	1	0.0	082	8	0.0
	034	20	0.1	083	4	0.0
	035	8	0.0	084	13	0.1
	036	13	0.1	085	1	0.0
	038	4	0.0	086	1	0.0
	039	12	0.1	087	7	0.0
	040	12	0.1	088	9	0.1
	041	2	0.0	089	3	0.0
	042	7	0.0	090	9	0.1
	043	7	0.0	091	6	0.0
	044	16	0.1	092	15	0.1
	045	1	0.0	094	6	0.0
	046	1	0.0	095	2	0.0
	047	3	0.0	096	14	0.1
	048	21	0.1	097	2	0.0
	049	2	0.0	098	2	0.0
	050	3	0.0	099	1	0.0
	051	6	0.0	100	6	0.0
	052	3,936	21.8	101	4	0.0
	053	6	0.0	102	10	0.1

	Full-year and Part-year Households			Full-year Households		
	054	11	0.1	103	3	0.0
	055	3	0.0	104	5,326	30.5
	056	13	0.1	105	3	0.0
	057	2	0.0	106	8	0.0
	058	10	0.1	107	6	0.0
	059	4	0.0	108	13	0.1
	060	28	0.2	109	5	0.0
	061	7	0.0	110	5	0.0
	062	6	0.0	111	2	0.0
	063	2	0.0	112	22	0.1
	064	17	0.1	113	5	0.0
	065	9	0.0	114	7	0.0
	066	4	0.0	115	3	0.0
	067	1	0.0	116	13	0.1
	068	24	0.1	117	3	0.0
	069	9	0.0	118	11	0.1
	070	13	0.1	119	5	0.0
	072	20	0.1	120	17	0.1
	073	4	0.0	121	10	0.1
	074	7	0.0	122	8	0.0
	076	15	0.1	123	4	0.0
	077	3	0.0	124	22	0.1
	078	47	0.3	125	5	0.0
	079	3	0.0	126	10	0.1
	080	10	0.1	127	4	0.0
	081	4	0.0	128	21	0.1
	082	8	0.0	129	5	0.0
	083	4	0.0	130	39	0.2
	084	19	0.1	131	4	0.0
	085	2	0.0	132	18	0.1
	086	3	0.0	133	5	0.0
	087	7	0.0	134	12	0.1
	088	14	0.1	135	4	0.0
	089	3	0.0	136	13	0.1
	090	12	0.1	137	3	0.0
	091	6	0.0	138	11	0.1
	092	15	0.1	139	6	0.0
	093	1	0.0	140	19	0.1
	094	6	0.0	141	1	0.0
	095	2	0.0	142	6	0.0
	096	19	0.1	143	3	0.0
	097	3	0.0	144	15	0.1
	098	3	0.0	145	4	0.0
	099	1	0.0	146	7	0.0
	100	7	0.0	147	2	0.0
	101	4	0.0	148	14	0.1
	102	14	0.1	149	5	0.0
	103	3	0.0	150	5	0.0
	104	5,329	29.6	151	9	0.1
	105	5	0.0	152	15	0.1
	106	8	0.0	153	1	0.0
	107	6	0.0	154	12	0.1
	108	14	0.1	155	4	0.0
	109	5	0.0	156	2,588	14.8
	110	6	0.0	157	5	0.0
	111	2	0.0	158	4	0.0
	112	22	0.1	159	8	0.0
	113	5	0.0	160	5	0.0
	114	8	0.0	161	6	0.0

	Full-year and Part-year Households			Full-year Households		
	115	3	0.0	162	3	0.0
	116	13	0.1	163	4	0.0
	117	4	0.0	164	18	0.1
	118	13	0.1	165	5	0.0
	119	5	0.0	166	14	0.1
	120	19	0.1	167	7	0.0
	121	10	0.1	168	10	0.1
	122	8	0.0	169	6	0.0
	123	4	0.0	170	3	0.0
	124	22	0.1	171	5	0.0
	125	5	0.0	172	12	0.1
	126	10	0.1	173	5	0.0
	127	4	0.0	174	10	0.1
	128	21	0.1	175	4	0.0
	129	8	0.0	176	20	0.1
	130	41	0.2	177	4	0.0
	131	4	0.0	178	7	0.0
	132	21	0.1	179	2	0.0
	133	5	0.0	180	23	0.1
	134	12	0.1	181	4	0.0
	135	4	0.0	182	33	0.2
	136	15	0.1	183	2	0.0
	137	4	0.0	184	14	0.1
	138	13	0.1	185	2	0.0
	139	6	0.0	186	7	0.0
	140	19	0.1	187	1	0.0
	141	1	0.0	188	16	0.1
	142	6	0.0	189	6	0.0
	143	3	0.0	190	8	0.0
	144	16	0.1	191	9	0.1
	145	4	0.0	192	25	0.1
	146	7	0.0	193	4	0.0
	147	2	0.0	194	6	0.0
	148	14	0.1	195	8	0.0
	149	5	0.0	196	14	0.1
	150	5	0.0	197	2	0.0
	151	9	0.0	198	5	0.0
	152	15	0.1	199	2	0.0
	153	1	0.0	200	13	0.1
	154	12	0.1	201	3	0.0
	155	4	0.0	202	10	0.1
	156	2,589	14.4	203	1	0.0
	157	5	0.0	204	12	0.1
	158	4	0.0	205	2	0.0
	159	8	0.0	206	7	0.0
	160	6	0.0	207	12	0.1
	161	6	0.0	208	2,630	15.1
	162	3	0.0	209	2	0.0
	163	4	0.0	210	4	0.0
	164	18	0.1	211	4	0.0
	165	5	0.0	212	9	0.1
	166	14	0.1	213	1	0.0
	167	7	0.0	214	1	0.0
	168	10	0.1	215	1	0.0
	169	6	0.0	216	6	0.0
	170	3	0.0	217	2	0.0
	171	5	0.0	218	2	0.0
	172	12	0.1	219	1	0.0
	173	5	0.0	220	10	0.1

	Full-year and Part-year Households			Full-year Households		
	174	10	0.1	221	2	0.0
	175	6	0.0	222	4	0.0
	176	20	0.1	223	2	0.0
	177	4	0.0	224	13	0.1
	178	8	0.0	225	4	0.0
	179	2	0.0	226	3	0.0
	180	23	0.1	227	4	0.0
	181	4	0.0	228	10	0.1
	182	33	0.2	229	1	0.0
	183	2	0.0	230	6	0.0
	184	14	0.1	231	1	0.0
	185	2	0.0	232	6	0.0
	186	7	0.0	233	3	0.0
	187	1	0.0	234	13	0.1
	188	16	0.1	235	1	0.0
	189	6	0.0	236	7	0.0
	190	8	0.0	237	3	0.0
	191	9	0.0	238	4	0.0
	192	25	0.1	239	2	0.0
	193	4	0.0	240	10	0.1
	194	6	0.0	242	4	0.0
	195	9	0.0	243	4	0.0
	196	14	0.1	244	9	0.1
	197	2	0.0	245	1	0.0
	198	5	0.0	246	2	0.0
	199	2	0.0	247	6	0.0
	200	15	0.1	248	10	0.1
	201	3	0.0	249	2	0.0
	202	10	0.1	250	4	0.0
	203	1	0.0	251	2	0.0
	204	12	0.1	252	7	0.0
	205	3	0.0	253	1	0.0
	206	7	0.0	254	6	0.0
	207	12	0.1	256	7	0.0
	208	2,630	14.6	257	2	0.0
	209	2	0.0	258	5	0.0
	210	4	0.0	259	6	0.0
	211	4	0.0	260	1,031	5.9
	212	9	0.0	261	2	0.0
	213	1	0.0	262	3	0.0
	214	1	0.0	264	2	0.0
	215	1	0.0	265	1	0.0
	216	6	0.0	266	3	0.0
	217	2	0.0	267	2	0.0
	218	2	0.0	268	1	0.0
	219	1	0.0	269	2	0.0
	220	11	0.1	270	3	0.0
	221	2	0.0	271	1	0.0
	222	4	0.0	272	7	0.0
	223	2	0.0	274	2	0.0
	224	13	0.1	276	2	0.0
	225	4	0.0	277	2	0.0
	226	3	0.0	278	2	0.0
	227	4	0.0	280	3	0.0
	228	10	0.1	283	1	0.0
	229	1	0.0	284	1	0.0
	230	6	0.0	285	1	0.0
	231	1	0.0	286	7	0.0
	232	6	0.0	288	2	0.0

	Full-year and Part-year Households			Full-year Households		
	233	3	0.0	289	1	0.0
	234	13	0.1	290	3	0.0
	235	1	0.0	291	1	0.0
	236	7	0.0	292	8	0.0
	237	3	0.0	294	2	0.0
	238	4	0.0	296	3	0.0
	239	2	0.0	299	2	0.0
	240	10	0.1	300	2	0.0
	242	4	0.0	302	1	0.0
	243	4	0.0	303	1	0.0
	244	9	0.0	304	1	0.0
	245	1	0.0	305	1	0.0
	246	2	0.0	306	1	0.0
	247	6	0.0	308	1	0.0
	248	10	0.1	310	2	0.0
	249	2	0.0	311	1	0.0
	250	4	0.0	312	313	1.8
	251	2	0.0	313	1	0.0
	252	7	0.0	318	1	0.0
	253	1	0.0	320	2	0.0
	254	6	0.0	322	1	0.0
	256	7	0.0	324	1	0.0
	257	2	0.0	325	1	0.0
	258	5	0.0	332	1	0.0
	259	6	0.0	333	1	0.0
	260	1,031	5.7	336	2	0.0
	261	2	0.0	338	2	0.0
	262	3	0.0	339	2	0.0
	264	2	0.0	340	1	0.0
	265	1	0.0	342	1	0.0
	266	3	0.0	343	1	0.0
	267	2	0.0	344	2	0.0
	268	1	0.0	346	1	0.0
	269	2	0.0	348	1	0.0
	270	3	0.0	352	1	0.0
	271	1	0.0	355	1	0.0
	272	7	0.0	357	1	0.0
	274	2	0.0	360	1	0.0
	276	2	0.0	363	5	0.0
	277	2	0.0	364	68	0.4
	278	2	0.0	372	1	0.0
	280	3	0.0	390	1	0.0
	283	1	0.0	392	1	0.0
	284	1	0.0	396	2	0.0
	285	1	0.0	400	2	0.0
	286	7	0.0	416	15	0.1
	288	2	0.0	428	1	0.0
	289	1	0.0	430	1	0.0
	290	3	0.0	440	1	0.0
	291	1	0.0	448	1	0.0
	292	8	0.0	460	1	0.0
	294	2	0.0	468	4	0.0
	296	3	0.0	470	2	0.0
	299	2	0.0	488	1	0.0
	300	2	0.0	508	1	0.0
	302	1	0.0	520	2	0.0
	303	1	0.0	548	1	0.0
	304	1	0.0	572	6	0.0
	305	1	0.0	624	1	0.0

	Full-year and Part-year Households			Full-year Households		
	306	1	0.0			
	308	1	0.0			
	310	2	0.0			
	311	1	0.0			
	312	313	1.7			
	313	1	0.0			
	318	1	0.0			
	320	2	0.0			
	322	1	0.0			
	324	1	0.0			
	325	1	0.0			
	332	1	0.0			
	333	1	0.0			
	336	2	0.0			
	338	2	0.0			
	339	2	0.0			
	340	1	0.0			
	342	1	0.0			
	343	1	0.0			
	344	2	0.0			
	346	1	0.0			
	348	1	0.0			
	352	1	0.0			
	355	1	0.0			
	357	1	0.0			
	360	1	0.0			
	363	5	0.0			
	364	68	0.4			
	372	1	0.0			
	390	1	0.0			
	392	1	0.0			
	396	2	0.0			
	400	2	0.0			
	416	15	0.1			
	428	1	0.0			
	430	1	0.0			
	440	1	0.0			
	448	1	0.0			
	460	1	0.0			
	468	4	0.0			
	470	2	0.0			
	488	1	0.0			
	508	1	0.0			
	520	2	0.0			
	548	1	0.0			
	572	6	0.0			
	624	1	0.0			
NumEarnersFullTime_PUMDF	D10	Frequency	Percent	D14	Frequency	Percent
0	0	8,474	47.0	0	7,897	45.3
1	1	6,469	35.9	1	6,461	37.0
2 or more	2	3,088	17.1	2	3,087	17.7
NumEarnersPartTime_PUMDF	D11	Frequency	Percent	D15	Frequency	Percent
0	0	9,495	52.7	0	9,369	53.7
1	1	5,864	32.5	1	5,577	32.0
2	2	2,149	11.9	2	1,994	11.4
3 or more	3	523	2.9	3	505	2.9

MajorIncSource_PUMDF	Full-year and Part-year Households			Full-year Households		
	D12	Frequency	Percent	D16	Frequency	Percent
All sources = 0	0	20	0.1	0	10	0.1
Major source is wages and salaries or self-employment income	2	11,955	66.3	2	11,529	66.1
Major source is investment income	3	276	1.5	3	274	1.6
Major source is government transfer payments	4	4,670	25.9	4	4,543	26.0
Major source is miscellaneous income	5	1,110	6.2	5	1,089	6.2
EmplInsIndicator	D13	Frequency	Percent	D17	Frequency	Percent
Employment insurance benefit = 0	0	14,867	82.5	0	14,357	82.3
Employment insurance benefit > 0	1	3,164	17.5	1	3,088	17.7
WashingMachine_C017	EC017	Frequency	Percent	EC01	Frequency	Percent
Automatic	1	14,479	80.3	1	14,224	81.5
Other	2	458	2.5	2	445	2.6
None	3	3,094	17.2	3	2,776	15.9
ClothesDryer_C018	EC018	Frequency	Percent	EC02	Frequency	Percent
Electric	1	13,837	76.7	1	13,590	77.9
Gas	2	427	2.4	2	421	2.4
None	3	3,767	20.9	3	3,434	19.7
Dishwasher_C016	EC016	Frequency	Percent	EC03	Frequency	Percent
Built-in automatic	1	6,767	37.5	1	6,659	38.2
Portable automatic	2	1,373	7.6	2	1,359	7.8
None	3	9,891	54.9	3	9,427	54.0
NumFridges_C001_PUMDF	EC001	Frequency	Percent	EC04	Frequency	Percent
None	0	36	0.2	0	33	0.2
1	1	14,601	81.0	1	14,040	80.5
2	2	3,216	17.8	2	3,197	18.3
3 or more	3	178	1.0	3	175	1.0
SeparateFreezerYN_C009	EC009	Frequency	Percent	EC05	Frequency	Percent
FALSE	0	6,448	35.8	0	5,979	34.3
TRUE	1	11,583	64.2	1	11,466	65.7
MicrowaveYN_C008	EC008	Frequency	Percent	EC06	Frequency	Percent
FALSE	0	2,286	12.7	0	2,139	12.3
TRUE	1	15,745	87.3	1	15,306	87.7
AirConditioning_C015	EC015	Frequency	Percent	EC07	Frequency	Percent
Window type	1	1,561	8.7	1	1,516	8.7
Central	2	2,161	12.0	2	2,132	12.2
None	3	14,309	79.4	3	13,797	79.1
NumPhones_C004_PUMDF	EC004	Frequency	Percent	EC08	Frequency	Percent
None	0	423	2.3	0	373	2.1
1	1	4,592	25.5	1	4,312	24.7
2	2	6,365	35.3	2	6,181	35.4
3	3	3,868	21.5	3	3,814	21.9
4	4	1,673	9.3	4	1,659	9.5
5	5	666	3.7	5	663	3.8
6 or more	6	444	2.5	6	443	2.5
NumPhoneNums_C006_PUMDF	EC006	Frequency	Percent	EC09	Frequency	Percent
None	0	423	2.3	0	373	2.1
1	1	15,950	88.5	1	15,431	88.5
2	2	1,489	8.3	2	1,473	8.4
3 or more	3	169	0.9	3	168	1.0

	Full-year and Part-year Households			Full-year Households		
CellPhoneYN_C007	EC007	Frequency	Percent	EC10	Frequency	Percent
FALSE	0	14,541	80.6	0	14,059	80.6
TRUE	1	3,490	19.4	1	3,386	19.4
CDPlayerYN_C011	EC011	Frequency	Percent	EC11	Frequency	Percent
FALSE	0	6,804	37.7	0	6,644	38.1
TRUE	1	11,227	62.3	1	10,801	61.9
CableTV_YN_C010	EC010	Frequency	Percent	EC12	Frequency	Percent
FALSE	0	4,649	25.8	0	4,441	25.5
TRUE	1	13,382	74.2	1	13,004	74.5
NumVCRs_C003_PUMDF	EC003	Frequency	Percent	EC13	Frequency	Percent
None	0	2,489	13.8	0	2,350	13.5
1	1	11,377	63.1	1	10,969	62.9
2	2	3,500	19.4	2	3,465	19.9
3 or more	3	665	3.7	3	661	3.8
ComputerYN_C012	EC012	Frequency	Percent	EC14	Frequency	Percent
FALSE	0	11,452	63.5	0	11,025	63.2
TRUE	1	6,579	36.5	1	6,420	36.8
ModemYN_C013_PUMDF	EC013	Frequency	Percent	EC15	Frequency	Percent
FALSE	0	2,364	13.1	0	2,308	13.2
TRUE	1	4,215	23.4	1	4,112	23.6
No computer	9	11,452	63.5	9	11,025	63.2
InternetYN_C014_PUMDF	EC014	Frequency	Percent	EC16	Frequency	Percent
FALSE	0	1,240	6.9	0	1,204	6.9
TRUE	1	2,975	16.5	1	2,908	16.7
No computer	9	13,816	76.6	9	13,333	76.4
NumColourTVs_C002_PUMDF	EC002	Frequency	Percent	EC17	Frequency	Percent
None	0	273	1.5	0	246	1.4
1	1	8,021	44.5	1	7,579	43.4
2	2	6,572	36.4	2	6,472	37.1
3	3	2,345	13.0	3	2,331	13.4
4	4	613	3.4	4	610	3.5
5 or more	5	207	1.1	5	207	1.2
NumVehOwned_PUMDF	EVEHOWN	Frequency	Percent	EC18	Frequency	Percent
None	0	3,801	21.1	0	3,562	20.4
1	1	7,984	44.3	1	7,716	44.2
2	2	5,013	27.8	2	4,945	28.3
3	3	974	5.4	3	965	5.5
4 or more	4	259	1.4	4	257	1.5
VehLeasedYN_PUMDF	EVEHLEAS	Frequency	Percent	EC19	Frequency	Percent
FALSE	0	16,885	93.6	0	16,328	93.6
TRUE	1	1,146	6.4	1	1,117	6.4

Appendix B
Part 1 of 3
Averages, Aggregates, Minimum and Maximum Values –
Public-Use Microdata File – SHS 1997
(Full-Year and Part-Year Households) - REVISED

Sample Count	18,031
Weighted Count	11,220,636

Pub. stub number		Average	Aggregate	Minimum	Maximum
	Purchase price of home bought in 1997	6,402	71,838,606,000	0	790,000
	Selling price of home sold in 1997	3,622	40,641,102,800	0	670,000
	Additions, renovations and alterations	1,027	11,521,221,910	0	634,220
	New installations of equipment and fixtures	75	845,417,918	0	30,500
	Income before taxes (Reference Person)	29,719	333,462,443,100	-100,000	1,100,000
	Income from earnings (Reference Person)	21,619	242,583,933,900	-100,000	780,000
	Income from investment (Reference Person)	1,278	14,334,633,500	-8,500	500,000
	Income from government transfers (Reference Person)	4,134	46,386,841,500	0	110,000
	Income from other sources (Reference Person)	2,706	30,362,485,500	0	980,000
	Income before taxes (Spouse)	15,753	176,753,807,800	-2,800	440,000
	Income from earnings (Spouse)	13,206	148,178,122,500	-12,000	440,000
	Income from investment (Spouse)	429	4,814,793,000	-5,600	250,000
	Income from government transfer payments (Spouse)	1,427	16,006,597,300	0	68,000
	Income from other sources (Spouse)	696	7,804,561,900	0	150,000
	Income before taxes (Household)	50,054	561,635,110,800	-100,000	1,200,000
	Income from earnings (Household)	38,625	433,391,594,700	-100,000	800,000
	Income from investment (Household)	1,809	20,298,193,600	-11,000	650,000
	Income from government transfer payments (Household)	6,148	68,985,647,300	0	120,000
	Income from other sources (Household)	3,516	39,451,755,900	0	980,000
	Total other money receipts (Household)	1,397	15,669,580,609	0	939,701
	Money flows (assets, loans and other debts) (Household)	2,555	28,671,988,479	-500,925	1,003,500
	Registered Retirement Savings Plan (RRSP) change (Household)	1,427	16,013,002,132	-214,000	219,000
	FOOD				
1000-1560	Total food	5,624	63,108,126,568	10	37,600
1000-1520	Food purchased from stores	4,449	49,918,346,420	0	32,900
1560	Food purchased from restaurants	1,147	12,868,851,985	0	21,900
	SHELTER				
2000-2052	Total shelter	9,677	108,586,076,302	0	186,755
2000-2034	Principal accommodation	9,158	102,759,868,983	0	185,455
2000-2002	Rented living quarters	2,255	25,299,139,127	0	37,200
2000	Rent (amount paid)	2,188	24,552,509,846	0	37,200
2010-2028	Owned living quarters	5,410	60,698,151,401	0	173,796
2010	Regular mortgage payments	3,157	35,422,734,937	0	70,000
2011	Maintenance, repairs and replacements	356	3,990,376,981	0	100,000
2012	Condominium charges	110	1,228,916,279	0	11,613
2014	Property taxes	1,140	12,796,440,312	0	12,000
2016	Homeowners' insurance premiums	279	3,125,743,871	0	9,900

Pub. stub number		Average	Aggregate	Minimum	Maximum
2030-2034	Water, fuel and electricity	1,494	16,762,578,455	0	19,064
2030	Water and sewage	162	1,819,795,851	0	8,000
2032	Liquid fuels (e.g. oil, gas, etc.)	437	4,899,951,549	0	15,600
2034	Electricity	895	10,042,831,055	0	18,764
2040-2052	Other accommodation	519	5,826,207,319	0	31,500
2040-2048	Owned vacation home	171	1,917,432,246	0	20,000
2050-2052	Travellers accommodation	348	3,908,775,073	0	31,500
	HOUSEHOLD OPERATION				
2200-2380	Total household operation	2,243	25,170,040,605	0	48,160
2200-2230	Communications	918	10,297,728,889	0	14,970
2200-2204	Telephone	740	8,305,091,061	0	7,200
2200	Purchase of telephones	24	271,054,216	0	3,800
2202-2204	Telephone services	716	8,034,036,845	0	7,200
2210	Cellular services	93	1,048,000,412	0	9,600
2220	Internet services	29	328,024,981	0	2,400
2230	Postal and other communication services	55	616,612,435	0	4,800
2240-2244	Child care expenses	291	3,263,031,677	0	24,000
2260	Domestic and other custodial services (excluding child care)	96	1,079,392,629	0	45,000
2270-2300	Pet expenses	255	2,856,980,054	0	20,525
2310	Household cleaning supplies	197	2,213,856,819	0	5,000
2320-2330	Paper, plastic and foil household supplies	227	2,544,606,975	0	7,220
2340-2370	Garden supplies and services (excluding tools)	206	2,311,007,675	0	16,300
	HOUSEHOLD FURNISHINGS AND EQUIPMENT				
2500-2730	Total household furnishings and equipment	1,340	15,034,740,520	0	71,650
2500-2534	Household furnishings	630	7,064,408,218	0	63,000
2500	Furniture	409	4,587,642,010	0	50,000
2510	Rugs, mats and underpadding	30	338,742,969	0	9,000
2520	Window coverings and household textiles	123	1,376,369,024	0	12,900
2530-2534	Art, antiques and decorative ware	68	761,654,215	0	22,500
2540-2680	Household equipment	617	6,918,970,788	0	20,264
2540-2590	Household appliances	283	3,176,369,003	0	8,200
2600-2680	Other household tools, equipment and accessories	334	3,742,601,785	0	15,200
2690-2710	Maintenance and repair of furniture and equipment	61	682,087,036	0	10,300
2720-2730	Services related to furnishings and equipment	33	369,274,478	0	5,521
	CLOTHING				
2800-2975	Total clothing	2,144	24,053,176,291	0	34,200
2800-2840	Women's and girls' wear including gifts (4 years and over)	1,063	11,930,168,923	0	23,200
2840	Clothing gifts to non-household members – Women and girls (4 years and over)	124	1,393,321,133	0	10,200
2850-2890	Men's and boys' wear including gifts (4 years and over)	818	9,182,554,642	0	14,280
2890	Clothing gifts to non-household members - Men and boys (4 years and over)	83	936,752,827	0	3,200
2900-2920	Children's wear including gifts (under 4 years)	84	944,160,329	0	7,500

Pub. stub number		Average	Aggregate	Minimum	Maximum
2920	Clothing gifts to non-household members – Children (under 4 years)	47	529,450,379	0	7,500
2950-2960	Clothing material and notions	33	366,829,459	0	5,000
2970-2975	Clothing services	145	1,629,462,938	0	4,516
2972-2974	Laundry and dry-cleaning	118	1,326,357,175	0	4,416
	TRANSPORTATION				
3000-3260	Total transportation	6,178	69,324,051,613	-27,701	136,293
3000-3130	Private transportation	5,610	62,949,442,143	-27,701	134,774
3000-3004	Purchase of automobiles and trucks	2,020	22,668,810,547	-45,000	130,000
3010	Accessories and attachments for automobiles and trucks	33	372,519,312	0	6,700
3020-3040	Rented and leased automobiles and trucks	430	4,828,316,978	0	81,700
3050-3130	Operation of owned and leased automobiles and trucks	3,126	35,079,795,147	0	39,706
3050	Gasoline and other fuels	1,310	14,704,002,802	0	27,560
3070	Automotive maintenance and repair jobs	445	4,988,683,232	0	12,000
3080-3082	Garage rent and parking	57	638,424,153	0	4,420
3110	Private and public vehicle insurance premiums	821	9,214,137,054	0	12,000
3200-3260	Public transportation	568	6,374,609,629	0	27,165
3200-3210	Local and commuter transportation	188	2,114,731,021	0	5,200
3220-3240	Inter-city transportation	308	3,450,937,657	0	27,000
3250	Other passenger transportation	35	389,725,872	0	3,600
3260	Household movers, storage and delivery services	37	419,215,079	0	15,000
	HEALTH CARE				
3300-3384	Total health care	1,127	12,650,917,995	0	70,930
3300-3362	Direct health care costs to household	806	9,039,097,628	0	70,850
3300	Health care supplies	30	331,310,134	0	10,920
3310-3312	Medicinal and pharmaceutical products	309	3,469,731,116	0	11,740
3310	Prescription drugs	193	2,160,893,700	0	11,700
3312	Other medicines, drugs and pharmaceutical products	117	1,308,837,416	0	8,400
3320	Physicians' care	11	128,751,635	0	30,000
3330-3334	Eye-care goods and services	145	1,632,228,266	0	10,000
3340	Dental care	220	2,473,468,335	0	18,000
3350-3362	Hospital and other health care services	89	1,003,608,142	0	56,000
3350	Hospital care	10	109,234,457	0	56,000
3360-3362	Other health care services	80	894,373,685	0	24,022
3360	Other health care practitioners	59	664,033,506	0	23,972
3362	Other medical services	21	230,340,179	0	22,934
3370-3384	Health insurance premiums	322	3,611,820,367	0	8,781
3370	Public hospital, medical and drug insurance plans	99	1,108,683,781	0	5,200
3380-3384	Private health care insurance plans	223	2,503,136,586	0	8,781
	PERSONAL CARE				
3500-3580	Total personal care	651	7,301,719,955	0	6,895
3530-3560	Personal care supplies and equipment	316	3,541,578,630	0	6,349
3570-3580	Hair grooming and other personal care services	335	3,760,141,325	0	4,000
	RECREATION				
3700-4190	Total recreation	2,748	30,839,254,605	-41,929	109,088
3700-3830	Recreation equipment and associated services	865	9,701,616,319	0	29,400
3700	Sports and athletic equipment	139	1,563,368,245	0	8,700
3720-3760	Toys, games and hobby equipment	469	5,260,260,306	0	11,530
3750-3760	Computer equipment and supplies	298	3,348,511,566	0	10,700

Pub. stub number		Average	Aggregate	Minimum	Maximum
3770-3774	Photographic goods and services	127	1,429,903,309	0	10,000
3900-3980	Recreation vehicles and associated services	417	4,674,400,204	-45,320	104,584
3900-3918	Purchase of recreation vehicles	256	2,866,910,992	-49,800	102,000
3900	Bicycles, parts and accessories	34	386,534,018	0	14,000
3910-3918	Purchase of other vehicles and outboard motors	221	2,480,376,974	-50,000	102,000
3950-3980	Operation of recreational vehicles	161	1,807,489,212	0	21,788
3950	Bicycle maintenance and repairs	5	56,186,141	0	1,200
3960	Other recreation vehicle operation	149	1,673,939,588	0	21,788
3970-3980	Expenses for rented and leased recreational vehicles	7	77,363,483	0	7,300
4000-4070	Home entertainment equipment and services	490	5,498,134,026	0	25,603
4000	Audio equipment (e.g., radio, CD player, speaker, etc.)	89	993,135,851	0	15,000
4010	Compact discs, audio tapes, videotapes and video-discs	119	1,334,076,608	0	5,090
4020	Blank audio and videotapes	16	182,213,722	0	1,000
4030	Televisions sets, VCRs, camcorders and other television/video components	134	1,507,399,963	0	13,680
4050	Rental of videotapes and video-discs	94	1,056,959,224	0	3,328
4060	Rental of home entertainment equipment and other services	4	40,909,161	0	4,800
4100-4190	Recreation services	977	10,965,104,056	0	29,391
4100-4140	Entertainment	482	5,412,071,412	0	7,524
4100	Movie theatres	72	812,254,693	0	6,500
4110	Live sports events (as a spectator)	36	402,555,746	0	6,000
4120	Live performing arts	68	758,623,456	0	3,000
4140	Rental of cablevision and satellite services	276	3,099,700,754	0	3,900
4150-4170	Use of recreation facilities	222	2,485,872,792	0	10,054
4150	Membership fees and dues for sports and recreation facilities	139	1,554,533,070	0	10,000
4160-4162	Fees for single usage of sports and recreation facilities	62	692,862,130	0	6,000
4170	Children' s camps	21	238,477,592	0	5,200
4130	Admission to museums and other activities and venues	30	338,936,763	0	4,000
4180	Package travel tours	258	2,897,676,206	0	28,000
4190	Other cultural and recreational services	15	169,483,646	0	4,000
	READING MATERIALS AND OTHER PRINTED MATTER				
4300-4340	Total reading materials and other printed matter	269	3,020,025,740	0	6,020
4300	Newspapers	110	1,229,931,801	0	3,900
4310	Magazines and periodicals	62	693,723,499	0	2,600
4320	Books and pamphlets (excluding school books)	80	900,310,730	0	5,000
	EDUCATION				
4400-4470	Total education	678	7,606,488,500	0	45,900
4400-4430	Education supplies and textbooks	122	1,365,056,537	0	11,900
4440-4450	Tuition fees	461	5,167,399,610	0	45,200
	TOBACCO PRODUCTS AND ALCOHOLIC BEVERAGES				
4500-4540	Total tobacco products and alcoholic beverages	1,133	12,714,664,699	0	37,285
4500-4510	Tobacco products and smokers' supplies	543	6,092,935,039	0	14,680

Pub. stub number		Average	Aggregate	Minimum	Maximum
4500	Cigarettes, cigars and similar products	535	6,004,188,449	0	14,600
4520-4540	Alcoholic beverages	590	6,621,729,660	0	34,456
4520	Alcoholic beverages served on licensed premises	208	2,337,445,686	0	24,000
4530	Alcoholic beverages purchased from stores	359	4,028,880,760	0	16,206
4540	Self-made alcoholic beverages	23	255,403,214	0	5,200
	OTHER EXPENSES				
4600-4720	Miscellaneous expenses (other property, financial services, union and club dues, forfeited deposits, money lost, work tools and equipment)	786	8,817,102,678	0	100,699
4630-4660	Financial services	240	2,694,059,027	0	100,499
4670	Dues to unions and professional associations	174	1,951,884,814	0	11,112
4800-4840	Games of chance expenses (net)	239	2,686,451,115	0	40,012
4900-4930	Personal taxes	10,442	117,167,535,080	-32,975	535,000
5000-5084	Personal insurance payments and pension contributions	2,718	30,503,055,445	0	220,548
5000-5060	Life insurance premiums, annuity contracts, and transfers to RRIFs	544	6,100,904,444	0	220,548
5070	Employment insurance premiums (deductions from pay)	794	8,908,113,779	0	4,456
5080-5084	Retirement and pension fund payments	1,381	15,494,037,222	0	110,949
5080	Canada and Quebec Pension Plan	775	8,699,200,894	0	5,330
5082	Other government retirement and pension funds	287	3,216,006,658	0	24,030
5084	Other retirement and pension funds (excluding RRSPs)	319	3,578,829,670	0	93,000
5200-5230	Gifts of money and contributions	1,223	13,721,882,274	0	210,000
5200	Money and support payments (to persons in Canada)	715	8,018,558,236	0	200,000
5210	Money and support payments (to persons outside Canada)	89	1,001,232,363	0	75,000
5220	Contributions to charity (religious)	262	2,938,992,825	0	30,000
5230	Contributions to charity (non-religious)	157	1,763,098,850	0	153,000
1000-4840	Total current consumption	34,839	390,912,837,186	-39,363	342,788
1000-5230	Total expenditure	49,222	552,305,309,985	-23,996	735,160

Part 2 of 3
Averages, Aggregates, Minimum and Maximum Values –
Public-use Microdata File – SHS 1997
(Full-year Households) - REVISED

Sample Count	17,445
Weighted Count	10,872,892

Pub stub number		Average	Aggregate	Minimum	Maximum
	Purchase price of home bought in 1997	5,962	64,827,157,500	0	790,000
	Selling price of home sold in 1997	3,646	39,638,834,800	0	670,000
	Additions, renovations and alterations	1,051	11,429,479,320	0	634,220
	New installations of equipment and fixtures	75	810,516,268	0	12,500
	Income before taxes (Reference Person)	30,330	329,769,950,900	-100,000	1,100,000
	Income from earnings (Reference Person)	22,032	239,547,189,800	-100,000	780,000
	Income from investment (Reference Person)	1,314	14,285,230,500	-8,500	500,000
	Income from government transfers (Reference Person)	4,223	45,911,848,100	0	110,000
	Income from other sources (Reference Person)	2,780	30,230,630,000	0	980,000
	Income before taxes (Spouse)	16,134	175,426,854,200	-2,800	440,000
	Income from earnings (Spouse)	13,514	146,936,688,500	-12,000	440,000
	Income from investment (Spouse)	441	4,800,314,300	-5,600	250,000
	Income from government transfer payments (Spouse)	1,469	15,968,856,500	0	68,000
	Income from other sources (Spouse)	715	7,769,252,300	0	150,000
	Income before taxes (Household)	51,145	556,095,755,200	-100,000	1,200,000
	Income from earnings (Household)	39,426	428,670,453,900	-100,000	800,000
	Income from investment (Household)	1,861	20,231,690,300	-11,000	650,000
	Income from government transfer payments (Household)	6,292	68,411,688,200	0	120,000
	Income from other sources (Household)	3,612	39,275,477,600	0	980,000
	Total other money receipts (Household)	1,375	14,954,126,834	0	939,701
	Money flows (assets, loans and other debts) (Household)	2,719	29,564,065,106	-500,925	1,003,500
	Registered Retirement Savings Plan (RRSP) change (Household)	1,470	15,979,770,747	-214,000	219,000
	FOOD				
1000-1560	Total food	5,736	62,361,679,746	75	37,600
1000-1520	Food purchased from stores	4,538	49,338,649,106	0	32,900
1560	Food purchased from restaurants	1,168	12,704,540,023	0	21,900
	SHELTER				
2000-2052	Total shelter	9,849	107,091,890,322	0	186,755
2000-2034	Principal accommodation	9,318	101,316,338,018	0	185,455
2000-2002	Rented living quarters	2,244	24,395,630,053	0	37,200
2000	Rent (amount paid)	2,177	23,669,920,154	0	37,200
2010-2028	Owned living quarters	5,543	60,270,882,377	0	173,796
2010	Regular mortgage payments	3,241	35,239,695,794	0	70,000

Pub stub number		Average	Aggregate	Minimum	Maximum
2011	Maintenance, repairs and replacements	366	3,983,745,101	0	100,000
2012	Condominium charges	112	1,223,018,810	0	11,613
2014	Property taxes	1,173	12,751,890,584	0	12,000
2016	Homeowners' insurance premiums	286	3,113,128,835	0	9,900
2030-2034	Water, fuel and electricity	1,531	16,649,825,588	0	19,064
2030	Water and sewage	166	1,808,202,910	0	8,000
2032	Liquid fuels (e.g., oil, gas, etc.)	448	4,871,107,709	0	15,600
2034	Electricity	917	9,970,514,969	0	18,764
2040-2052	Other accommodation	531	5,775,552,304	0	31,500
2040-2048	Owned vacation home	174	1,893,176,945	0	20,000
2050-2052	Travellers accommodation	357	3,882,375,359	0	31,500
	HOUSEHOLD OPERATION				
2200-2380	Total household operation	2,286	24,853,742,611	0	48,160
2200-2230	Communications	931	10,117,373,184	0	14,970
2200-2204	Telephone	750	8,152,059,018	0	7,200
2200	Purchase of telephones	24	262,292,157	0	3,800
2202-2204	Telephone services	726	7,889,766,861	0	7,200
2210	Cellular services	95	1,033,122,550	0	9,600
2220	Internet services	30	325,384,504	0	2,400
2230	Postal and other communication services	56	606,807,112	0	4,800
2240-2244	Child care expenses	297	3,233,180,170	0	24,000
2260	Domestic and other custodial services (excluding child care)	99	1,076,418,028	0	45,000
2270-2300	Pet expenses	260	2,831,076,925	0	20,525
2310	Household cleaning supplies	201	2,189,665,848	0	5,000
2320-2330	Paper, plastic and foil household supplies	231	2,512,042,350	0	7,220
2340-2370	Garden supplies and services (excluding tools)	211	2,299,069,386	0	16,300
	HOUSEHOLD FURNISHINGS AND EQUIPMENT				
2500-2730	Total household furnishings and equipment	1,330	14,458,016,435	0	71,650
2500-2534	Household furnishings	615	6,683,315,915	0	63,000
2500	Furniture	393	4,277,573,701	0	50,000
2510	Rugs, mats and underpadding	30	331,499,655	0	9,000
2520	Window coverings and household textiles	122	1,328,288,760	0	12,900
2530-2534	Art, antiques and decorative ware	69	745,953,799	0	22,500
2540-2680	Household equipment	619	6,732,665,224	0	20,264
2540-2590	Household appliances	282	3,063,446,316	0	8,200
2600-2680	Other household tools, equipment and accessories	337	3,669,218,908	0	15,200
2690-2710	Maintenance and repair of furniture and equipment	62	679,224,487	0	10,300
2720-2730	Services related to furnishings and equipment	33	362,810,809	0	5,521
	CLOTHING				
2800-2975	Total clothing	2,181	23,712,217,383	0	34,200
2800-2840	Women's and girls' wear including gifts (4 years and over)	1,083	11,775,143,531	0	23,200
2840	Clothing gifts to non-household members – Women and girls (4 years and over)	126	1,373,139,208	0	10,200
2850-2890	Men's and boys' wear including gifts (4 years and over)	832	9,048,078,859	0	14,280

Pub stub number		Average	Aggregate	Minimum	Maximum
2890	Clothing gifts to non-household members – Men and boys (4 years and over)	85	920,577,498	0	3,200
2900-2920	Children's wear including gifts (under 4 years)	85	927,486,194	0	7,500
2920	Clothing gifts to non-household members – Children (under 4 years)	48	522,305,617	0	7,500
2950-2960	Clothing material and notions	34	364,783,933	0	5,000
2970-2975	Clothing services	147	1,596,724,866	0	4,516
2972-2974	Laundry and dry-cleaning	119	1,296,928,178	0	4,416
	TRANSPORTATION				
3000-3260	Total transportation	6,267	68,138,805,346	-27,701	136,293
3000-3130	Private transportation	5,692	61,886,286,403	-27,701	134,774
3000-3004	Purchase of automobiles and trucks	2,033	22,100,533,016	-45,000	130,000
3010	Accessories and attachments for automobiles and trucks	34	365,577,805	0	6,700
3020-3040	Rented and leased automobiles and trucks	438	4,761,598,219	0	81,700
3050-3130	Operation of owned and leased automobiles and trucks	3,188	34,658,577,204	0	39,706
3050	Gasoline and other fuels	1,338	14,553,008,132	0	27,560
3070	Automotive maintenance and repair jobs	454	4,931,700,101	0	12,000
3080-3082	Garage rent and parking	58	631,933,310	0	4,420
3110	Private and public vehicle insurance premiums	836	9,088,758,885	0	12,000
3200-3260	Public transportation	575	6,252,519,102	0	27,165
3200-3210	Local and commuter transportation	190	2,066,434,924	0	5,200
3220-3240	Inter-city transportation	312	3,396,079,576	0	27,000
3250	Other passenger transportation	36	386,134,893	0	3,600
3260	Household movers, storage and delivery services	37	403,869,709	0	15,000
	HEALTH CARE				
3300-3384	Total health care	1,152	12,520,671,518	0	70,930
3300-3362	Direct health care costs to household	822	8,940,529,356	0	70,850
3300	Health care supplies	30	328,335,949	0	10,920
3310-3312	Medicinal and pharmaceutical products	316	3,439,059,005	0	11,740
3310	Prescription drugs	197	2,144,540,187	0	11,700
3312	Other medicines, drugs and pharmaceutical products	119	1,294,518,818	0	8,400
3320	Physicians' care	12	126,177,178	0	30,000
3330-3334	Eye-care goods and services	148	1,611,352,616	0	10,000
3340	Dental care	225	2,443,260,918	0	18,000
3350-3362	Hospital and other health care services	91	992,343,690	0	56,000
3350	Hospital care	10	105,435,447	0	56,000
3360-3362	Other health care services	82	886,908,243	0	24,022
3360	Other health care practitioners	61	658,126,748	0	23,972
3362	Other medical services	21	228,781,495	0	22,934
3370-3384	Health insurance premiums	329	3,580,142,162	0	8,781
3370	Public hospital, medical and drug insurance plans	101	1,098,159,389	0	5,200
3380-3384	Private health care insurance plans	228	2,481,982,773	0	8,781
	PERSONAL CARE				
3500-3580	Total personal care	663	7,209,220,923	0	6,895
3530-3560	Personal care supplies and equipment	321	3,489,487,501	0	6,349

Pub stub number		Average	Aggregate	Minimum	Maximum
3570-3580	Hair grooming and other personal care services	342	3,719,733,422	0	4,000
	RECREATION				
3700-4190	Total recreation	2,789	30,322,736,421	-41,929	109,088
3700-3830	Recreation equipment and associated services	875	9,508,450,227	0	29,400
3700	Sports and athletic equipment	142	1,542,163,738	0	8,700
3720-3760	Toys, games and hobby equipment	472	5,132,185,824	0	11,530
3750-3760	Computer equipment and supplies	299	3,247,457,510	0	10,700
3770-3774	Photographic goods and services	129	1,403,862,044	0	10,000
3900-3980	Recreation vehicles and associated services	425	4,625,330,572	-45,320	104,584
3900-3918	Purchase of recreation vehicles	261	2,841,270,132	-49,800	102,000
3900	Bicycles, parts and accessories	35	381,106,558	0	14,000
3910-3918	Purchase of other vehicles and outboard motors	226	2,460,163,574	-50,000	102,000
3950-3980	Operation of recreational vehicles	164	1,784,060,440	0	21,788
3950	Bicycle maintenance and repairs	5	53,403,389	0	1,200
3960	Other recreation vehicle operation	152	1,653,765,997	0	21,788
3970-3980	Expenses for rented and leased recreational vehicles	7	76,891,054	0	7,300
4000-4070	Home entertainment equipment and services	491	5,339,088,519	0	25,603
4000	Audio equipment (e.g., radio, CD player, speaker, etc.)	88	952,196,985	0	15,000
4010	Compact discs, audio tapes, videotapes and video-discs	120	1,309,732,430	0	5,090
4020	Blank audio and videotapes	16	179,089,438	0	1,000
4030	Televisions sets, VCRs, camcorders and other television/video components	133	1,441,341,467	0	13,680
4050	Rental of videotapes and video-discs	95	1,036,764,566	0	3,328
4060	Rental of home entertainment equipment and other services	4	40,549,786	0	4,800
4100-4190	Recreation services	998	10,849,867,103	0	29,391
4100-4140	Entertainment	492	5,348,643,569	0	7,524
4100	Movie theatres	73	798,384,947	0	6,500
4110	Live sports events (as a spectator)	37	398,979,753	0	6,000
4120	Live performing arts	69	750,539,649	0	3,000
4140	Rental of cablevision and satellite services	282	3,065,199,282	0	3,900
4150-4170	Use of recreation facilities	226	2,458,673,970	0	10,054
4150	Membership fees and dues for sports and recreation facilities	141	1,534,145,617	0	10,000
4160-4162	Fees for single usage for sports and recreation facilities	63	686,350,811	0	6,000
4170	Children's camps	22	238,177,542	0	5,200
4130	Admission to museums and other activities and venues	31	335,539,938	0	4,000
4180	Package travel tours	264	2,874,891,205	0	28,000
4190	Other cultural and recreational services	15	167,658,359	0	4,000
	READING MATERIALS AND OTHER PRINTED MATTER				
4300-4340	Total reading materials and other printed matter	275	2,987,820,721	0	6,020
4300	Newspapers	112	1,221,057,857	0	3,900
4310	Magazines and periodicals	63	686,128,018	0	2,600

Pub stub number		Average	Aggregate	Minimum	Maximum
4320	Books and pamphlets (excluding school books)	82	888,796,798	0	5,000
	EDUCATION				
4400-4470	Total education	681	7,404,860,807	0	45,900
4400-4430	Education supplies and textbooks	123	1,341,856,473	0	11,900
4440-4450	Tuition fees	459	4,994,939,482	0	45,200
	TOBACCO PRODUCTS AND ALCOHOLIC BEVERAGES				
4500-4540	Total tobacco products and alcoholic beverages	1,154	12,548,810,851	0	37,285
4500-4510	Tobacco products and smokers' supplies	554	6,021,183,555	0	14,680
4500	Cigarettes, cigars and similar products	546	5,934,512,890	0	14,600
4520-4540	Alcoholic beverages	600	6,527,627,296	0	34,456
4520	Alcoholic beverages served on licensed premises	211	2,292,080,138	0	24,000
4530	Alcoholic beverages purchased from stores	366	3,980,632,955	0	16,206
4540	Self-made alcoholic beverages	23	254,914,203	0	5,200
	OTHER EXPENSES				
4600-4720	Miscellaneous expenses (other property, financial services, union and club dues, forfeited deposits, money lost, work tools and equipment)	802	8,724,596,003	0	100,699
4630-4660	Financial services	246	2,672,434,632	0	100,499
4670	Dues to unions and professional associations	178	1,939,615,503	0	11,112
4800-4840	Games of chance expenses (net)	245	2,664,938,546	0	40,012
4900-4930	Personal taxes	10,684	116,169,001,214	-32,975	535,000
5000-5084	Personal insurance payments and pension contributions	2,782	30,243,290,359	0	220,548
5000-5060	Life insurance premiums, annuity contracts, and transfers to RRIFs	559	6,074,435,779	0	220,548
5070	Employment insurance premiums (deductions from pay)	810	8,810,299,157	0	4,456
5080-5084	Retirement and pension fund payments	1,413	15,358,555,423	0	110,949
5080	Canada and Quebec Pension Plan	790	8,593,379,618	0	5,330
5082	Other government retirement and pension funds	294	3,201,201,796	0	24,030
5084	Other retirement and pension funds (excluding RRSPs)	328	3,563,974,009	0	93,000
5200-5230	Gifts of money and contributions	1,250	13,593,821,695	0	210,000
5200	Money and support payments (to persons in Canada)	730	7,938,683,007	0	200,000
5210	Money and support payments (to persons outside Canada)	91	985,105,395	0	75,000
5220	Contributions to charity (religious)	268	2,914,225,487	0	30,000
5230	Contributions to charity (non-religious)	161	1,755,807,806	0	153,000
1000-4840	Total current consumption	35,409	385,000,007,634	-39,363	342,788
1000-5230	Total expenditure	50,125	545,006,120,902	-23,996	735,160

Part 3 of 3

Averages and Aggregates – Unsuppressed Survey File – SHS 1997 (Full-year and Part-year Households) - REVISED

Number of households in sample	18,032	17,446
Estimated number of households	11,221,227	10,874,626

Pub. stub number		Full-Year and Part-Year Households		Full-Year Households	
		Average	Aggregate	Average	Aggregate
	Purchase price of home bought in 1997	6,407	71,899,886,588	5,969	64,909,395,088
	Selling price of home sold in 1997	-3,614	-40,554,965,458	-3,637	-39,555,921,958
	Additions, renovations and alterations	1,024	11,490,086,215	1,050	11,420,542,625
	New installations of equipment and fixtures	74	833,682,583	75	810,828,433
	Income before taxes (Reference Person)	29,694	333,201,225,155	30,303	329,532,282,189
	Income from earnings (Reference Person)	21,605	242,438,643,102	22,016	239,417,142,868
	Income from investment (Reference Person)	1,294	14,519,565,461	1,331	14,470,786,318
	Income from government transfers (Reference Person)	4,114	46,158,601,673	4,202	45,690,828,075
	Income from other sources (Reference Person)	2,681	30,084,414,919	2,754	29,953,524,928
	Income before taxes (Spouse)	15,733	176,540,844,797	16,113	175,217,897,900
	Income from earnings (Spouse)	13,202	148,145,380,511	13,509	146,908,718,514
	Income from investment (Spouse)	409	4,592,402,558	421	4,578,258,188
	Income from government transfer payments (Spouse)	1,432	16,070,141,908	1,474	16,033,274,183
	Income from other sources (Spouse)	689	7,732,919,820	708	7,697,647,015
	Income before taxes (Household)	50,073	561,883,730,232	51,163	556,375,527,734
	Income from earnings (Household)	38,636	433,545,544,996	39,435	428,844,793,939
	Income from investment (Household)	1,817	20,389,935,366	1,869	20,324,210,732
	Income from government transfer payments (Household)	6,132	68,809,968,073	6,275	68,243,429,813
	Income from other sources (Household)	3,488	39,138,281,797	3,583	38,963,093,250
	Total other money receipts (Household)	1,432	16,064,570,523	1,411	15,349,276,723
	Money flows (assets, loans and other debts) (Household)	2,583	28,980,072,862	2,747	29,869,206,037
	Registered Retirement Savings Plan (RRSP) change (Household)	1,433	16,077,685,333	1,475	16,044,453,948
	FOOD				
1000-1560	Total food	5,624	63,104,530,618	5,735	62,362,345,836
1000-1520	Food purchased from stores	4,445	49,878,701,333	4,534	49,302,583,799
1560	Food purchased from restaurants	1,150	12,906,060,579	1,172	12,742,430,877

Pub. stub number		Full-Year and Part-Year Households		Full-Year Households	
		Average	Aggregate	Average	Aggregate
	SHELTER				
2000-2052	Total shelter	9,681	108,638,063,981	9,853	107,149,369,004
2000-2034	Principal accommodation	9,162	102,811,883,140	9,322	101,373,503,820
2000-2002	Rented living quarters	2,257	25,329,755,675	2,246	24,427,293,801
2000	Rent (amount paid)	2,190	24,579,652,003	2,179	23,698,109,511
2010-2028	Owned living quarters	5,413	60,737,473,689	5,546	60,313,949,659
2010	Regular mortgage payments	3,164	35,506,096,554	3,248	35,325,664,411
2011	Maintenance, repairs and replacements	357	4,000,925,500	367	3,994,293,620
2012	Condominium charges	110	1,230,419,121	113	1,224,521,652
2014	Property taxes	1,143	12,827,448,289	1,176	12,783,609,560
2016	Homeowners' insurance premiums	278	3,123,976,846	286	3,111,496,505
2030-2034	Water, fuel and electricity	1,492	16,744,653,776	1,529	16,632,260,359
2030	Water and sewage	162	1,817,455,533	166	1,805,862,592
2032	Liquid fuels (e.g. oil, gas, etc.)	436	4,890,808,426	447	4,862,158,136
2034	Electricity	894	10,036,389,817	916	9,964,239,631
2040-2052	Other accommodation	519	5,826,180,841	531	5,775,865,184
2040-2048	Owned vacation home	171	1,913,935,984	174	1,889,921,633
2050-2052	Travellers accommodation	349	3,912,244,857	357	3,885,943,551
	HOUSEHOLD OPERATION				
2200-2380	Total household operation	2,246	25,208,201,421	2,289	24,894,472,947
2200-2230	Communications	919	10,312,276,853	932	10,132,106,588
2200-2204	Telephone	741	8,315,440,805	751	8,162,590,462
2200	Purchase of telephones	24	270,623,732	24	261,861,673
2202-2204	Telephone services	717	8,044,817,073	727	7,900,728,789
2210	Cellular services	94	1,051,925,452	95	1,037,047,590
2220	Internet services	29	327,930,426	30	325,289,949
2230	Postal and other communication services	55	616,980,170	56	607,178,587
2240-2244	Child care expenses	292	3,280,740,417	299	3,252,235,310
2260	Domestic and other custodial services (excluding child care)	97	1,083,847,052	99	1,080,872,451
2270-2300	Pet expenses	254	2,852,670,665	260	2,827,130,936
2310	Household cleaning supplies	197	2,214,540,003	201	2,190,500,732
2320-2330	Paper, plastic and foil household supplies	227	2,543,066,427	231	2,510,890,502
2340-2370	Garden supplies and services (excluding tools)	207	2,317,388,695	212	2,305,478,056
	HOUSEHOLD FURNISHINGS AND EQUIPMENT				
2500-2730	Total household furnishings and equipment	1,345	15,097,232,269	1,335	14,522,658,318
2500-2534	Household furnishings	635	7,120,880,625	620	6,740,273,652
2500	Furniture	412	4,623,476,833	397	4,313,781,404
2510	Rugs, mats and underpadding	30	339,725,285	31	332,481,971
2520	Window coverings and household textiles	123	1,382,396,968	123	1,334,413,354

Pub. stub number		Full-Year and Part-Year Households		Full-Year Households	
		Average	Aggregate	Average	Aggregate
2530-2534	Art, antiques and decorative ware	69	775,281,539	70	759,596,923
2540-2680	Household equipment	617	6,922,261,824	620	6,737,621,064
2540-2590	Household appliances	283	3,174,803,877	282	3,063,472,665
2600-2680	Other household tools, equipment and accessories	334	3,747,457,947	338	3,674,148,399
2690-2710	Maintenance and repair of furniture and equipment	61	682,208,561	62	679,346,012
2720-2730	Services related to furnishings and equipment	33	371,881,259	34	365,417,590
	CLOTHING				
2800-2975	Total clothing	2,147	24,089,589,972	2,184	23,749,736,638
2800-2840	Women's and girls' wear including gifts (4 years and over)	1,064	11,939,373,347	1,084	11,784,811,054
2840	Clothing gifts to non-household members - Women and girls (4 years and over)	125	1,407,031,769	128	1,386,881,444
2850-2890	Men's and boys' wear including gifts (4 years and over)	820	9,204,991,151	834	9,070,897,223
2890	Clothing gifts to non-household members - Men and boys (4 years and over)	84	938,991,919	85	922,879,790
2900-2920	Children's wear including gifts (under 4 years)	85	951,597,518	86	934,990,533
2920	Clothing gifts to non-household members - Children (under 4 years)	48	534,173,244	48	527,091,682
2950-2960	Clothing material and notions	32	364,105,608	33	362,090,002
2970-2975	Clothing services	145	1,629,522,348	147	1,596,947,826
2972-2974	Laundry and dry-cleaning	118	1,326,878,461	119	1,297,613,014
	TRANSPORTATION				
3000-3260	Total transportation	6,191	69,469,227,149	6,279	68,284,968,973
3000-3130	Private transportation	5,622	63,089,459,549	5,704	62,027,133,310
3000-3004	Purchase of automobiles and trucks	2,025	22,721,201,889	2,037	22,153,161,358
3010	Accessories and attachments for automobiles and trucks	33	373,062,003	34	366,120,496
3020-3040	Rented and leased automobiles and trucks	434	4,871,317,346	442	4,804,598,587
3050-3130	Operation of owned and leased automobiles and trucks	3,130	35,123,878,311	3,191	34,703,252,868
3050	Gasoline and other fuels	1,312	14,722,931,697	1,340	14,572,235,647
3070	Automotive maintenance and repair jobs	445	4,993,730,999	454	4,936,747,868
3080-3082	Garage rent and parking	57	639,770,331	58	633,297,262
3110	Private and public vehicle insurance premiums	822	9,227,736,588	837	9,102,502,752
3200-3260	Public transportation	569	6,379,767,600	575	6,257,835,663
3200-3210	Local and commuter transportation	189	2,119,079,664	190	2,070,843,407
3220-3240	Inter-city transportation	308	3,453,882,899	313	3,399,123,568
3250	Other passenger transportation	35	388,022,178	35	384,431,199
3260	Household movers, storage and delivery services	37	418,782,859	37	403,437,489

Pub. stub number		Full-Year and Part-Year Households		Full-Year Households	
		Average	Aggregate	Average	Aggregate
	HEALTH CARE				
3300-3384	Total health care	1,131	12,695,361,000	1,155	12,565,262,203
3300-3362	Direct health care costs to household	811	9,094,813,223	827	8,996,387,496
3300	Health care supplies	31	342,986,841	31	340,044,836
3310-3312	Medicinal and pharmaceutical products	309	3,470,344,441	316	3,439,737,270
3310	Prescription drugs	193	2,163,162,355	197	2,146,823,062
3312	Other medicines, drugs and pharmaceutical products	116	1,307,182,086	119	1,292,914,208
3320	Physicians' care	11	122,674,262	11	120,099,805
3330-3334	Eye-care goods and services	146	1,643,327,914	149	1,622,454,239
3340	Dental care	221	2,480,388,634	225	2,450,200,967
3350-3362	Hospital and other health care services	92	1,035,091,131	94	1,023,850,379
3350	Hospital care	11	123,469,070	11	119,670,060
3360-3362	Other health care services	81	911,622,061	83	904,180,319
3360	Other health care practitioners	62	691,246,613	63	685,363,555
3362	Other medical services	20	220,375,448	20	218,816,764
3370-3384	Health insurance premiums	321	3,600,547,777	328	3,568,874,707
3370	Public hospital, medical and drug insurance plans	99	1,112,102,127	101	1,101,577,735
3380-3384	Private health care insurance plans	222	2,488,445,650	227	2,467,296,972
	PERSONAL CARE				
3500-3580	Total personal care	651	7,305,804,982	663	7,213,739,990
3530-3560	Personal care supplies and equipment	316	3,541,548,115	321	3,489,775,156
3570-3580	Hair grooming and other personal care services	335	3,764,256,867	342	3,723,964,834
	RECREATION				
3700-4190	Total recreation	2,753	30,894,928,504	2,794	30,383,596,025
3700-3830	Recreation equipment and associated services	866	9,713,891,961	876	9,522,002,269
3700	Sports and athletic equipment	139	1,556,026,047	141	1,534,940,040
3720-3760	Toys, games and hobby equipment	469	5,265,433,367	472	5,138,055,685
3750-3760	Computer equipment and supplies	299	3,353,301,477	299	3,252,247,421
3770-3774	Photographic goods and services	129	1,442,484,645	130	1,416,687,860
3900-3980	Recreation vehicles and associated services	417	4,676,489,205	426	4,630,463,048
3900-3918	Purchase of recreation vehicles	257	2,878,738,988	263	2,855,863,128
3900	Bicycles, parts and accessories	34	382,452,814	35	377,025,354
3910-3918	Purchase of other vehicles and outboard motors	222	2,496,286,174	228	2,478,837,774
3950-3980	Operation of recreational vehicles	160	1,797,750,217	163	1,774,599,920
3950	Bicycle maintenance and repairs	5	55,453,907	5	52,671,155
3960	Other recreation vehicle operation	6	68,246,099	6	67,773,670

Pub. stub number		Full-Year and Part-Year Households		Full-Year Households	
		Average	Aggregate	Average	Aggregate
3970-3980	Expenses for rented and leased recreational vehicles	149	1,674,050,211	152	1,654,155,095
4000-4070	Home entertainment equipment and services	493	5,526,960,487	494	5,368,360,045
4000	Audio equipment (e.g., radio, CD player, speaker, etc.)	89	1,001,319,236	88	960,469,245
4010	Compact discs, audio tapes, videotapes and video-discs	119	1,338,643,428	121	1,314,413,800
4020	Blank audio and videotapes	16	182,029,522	16	178,928,098
4030	Televisions sets, VCRs, camcorders and other television/video components	136	1,525,449,933	134	1,459,430,937
4050	Rental of videotapes and video-discs	94	1,055,853,439	95	1,035,838,061
4060	Rental of home entertainment equipment and other services	4	40,793,221	4	40,433,846
4100-4190	Recreation services	978	10,977,586,851	999	10,862,770,663
4100-4140	Entertainment	483	5,415,339,719	492	5,352,141,066
4100	Movie theatres	72	812,715,017	73	798,861,071
4110	Live sports events (as a spectator)	36	403,854,863	37	400,278,870
4120	Live performing arts	68	761,024,816	69	752,941,009
4130	Admission to museums and other activities and venues	30	338,743,153	31	335,350,278
4140	Rental of cablevision and satellite services	276	3,099,001,870	282	3,064,709,838
4150-4170	Use of recreation facilities	223	2,500,204,839	227	2,473,118,592
4150	Membership fees and dues for sports and recreation facilities	139	1,564,975,003	142	1,544,688,275
4160-4162	Fees for single usage for sports and recreation facilities	62	695,152,662	63	688,653,193
4170	Children' s camps	21	240,077,174	22	239,777,124
4180	Package travel tours	258	2,891,871,260	264	2,869,086,259
4190	Other cultural and recreational services	15	170,171,033	15	168,424,746
	READING MATERIALS AND OTHER PRINTED MATTER				
4300-4340	Total reading materials and other printed matter	269	3,019,717,248	275	2,987,573,345
4300	Newspapers	110	1,229,168,773	112	1,220,303,805
4310	Magazines and periodicals	62	693,946,599	63	686,379,558
4320	Books and pamphlets (excluding school books)	80	901,325,917	82	889,835,685
	EDUCATION				
4400-4470	Total education	677	7,600,770,399	680	7,399,854,566
4400-4430	Education supplies and textbooks	121	1,361,416,355	123	1,338,437,581
4440-4450	Tuition fees	461	5,169,058,330	460	4,997,076,922
	TOBACCO PRODUCTS AND ALCOHOLIC BEVERAGES				
4500-4540	Total tobacco products and alcoholic beverages	1,133	12,708,796,639	1,153	12,543,596,311

Pub. stub number		Full-Year and Part-Year Households		Full-Year Households	
		Average	Aggregate	Average	Aggregate
4500-4510	Tobacco products and smokers' supplies	542	6,083,183,798	553	6,011,611,834
4500	Cigarettes, cigars and similar products	534	5,994,529,288	545	5,925,033,249
4520-4540	Alcoholic beverages	590	6,625,612,841	601	6,531,984,477
4520	Alcoholic beverages served on licensed premises	208	2,336,163,972	211	2,290,877,424
4530	Alcoholic beverages purchased from stores	360	4,035,136,589	367	3,987,283,784
4540	Self-made alcoholic beverages	23	254,312,280	23	253,823,269
	OTHER EXPENSES				
4600-4720	Miscellaneous expenses (other property, financial services, union and club dues, forfeited deposits, money lost, work tools and equipment)	784	8,793,187,808	800	8,700,837,453
4630-4660	Financial services	239	2,678,681,190	244	2,657,173,615
4670	Dues to unions and professional associations	173	1,945,586,552	178	1,933,317,241
4800-4840	Games of chance expenses (net)	243	2,730,111,047	249	2,708,704,498
4900-4930	Personal taxes	10,449	117,248,817,113	10,690	116,250,606,277
5000-5084	Personal insurance payments and pension contributions	2,708	30,390,542,495	2,771	30,131,322,729
5000-5060	Life insurance premiums, annuity contracts, and transfers to RRIFs	361	4,050,872,169	370	4,024,692,599
5070	Employment insurance premiums (deductions from pay)	794	8,910,982,633	810	8,813,391,691
5080-5084	Retirement and pension fund payments	1,378	15,466,553,280	1,410	15,331,374,161
5080	Canada and Quebec Pension Plan	776	8,705,482,826	791	8,599,964,230
5082	Other government retirement and pension funds	285	3,202,744,942	293	3,187,940,080
5084	Other retirement and pension funds (excluding RRSPs)	317	3,558,325,512	326	3,543,469,851
5200-5230	Gifts of money and contributions	1,228	13,780,059,628	1,255	13,652,101,354
5200	Money and support payments (to persons in Canada)	715	8,018,024,509	730	7,938,228,280
5210	Money and support payments (to persons outside Canada)	90	1,013,141,983	92	997,015,015
5220	Contributions to charity (religious)	262	2,941,022,254	268	2,916,264,791
5230	Contributions to charity (non-religious)	161	1,807,870,882	166	1,800,593,268
1000-4840	Total current consumption	34,876	391,355,523,037	35,446	385,466,716,106
1000-5230	Total expenditure	49,262	552,774,942,273	50,163	545,500,746,466

Appendix C Inclusion of Spending Variables in Past Microdata Files

The ✓ indicates the items that are included in the public-use microdata file for each reference year.

Description	1982	1984	1986	1990	1992	1996	1997
	Family Expenditure Survey						SHS
Food	✓	✓	✓	✓	✓	✓	✓
Food purchased from stores	✓	✓	✓	✓	✓	✓	✓
Food purchased from restaurants	✓	✓	✓	✓	✓	✓	✓
Shelter	✓	✓	✓	✓	✓	✓	✓
Principal accommodation	✓	✓	✓	✓	✓	✓	✓
Rented living quarters	✓	✓	✓	✓	✓	✓	✓
Rent (amount paid)	✓	✓	✓	✓	✓	✓	✓
Owned living quarters	✓	✓	✓	✓	✓	✓	✓
Regular mortgage payments						✓	✓
Maintenance, repairs and replacements	✓	✓	✓	✓	✓	✓	✓
Condominium charges						✓	✓
Property taxes	✓	✓	✓	✓	✓	✓	✓
Homeowners' insurance premiums	✓	✓	✓	✓	✓	✓	✓
Mortgage interest	✓	✓	✓	✓	✓	✓	✓
Water, fuel and electricity	✓	✓	✓	✓	✓	✓	✓
Water and sewage						✓	✓
Liquid fuels (e.g., oil, gas, etc.)							✓
Fuel oil and other liquid fuel	✓	✓	✓	✓	✓	✓	
Natural gas	✓	✓	✓	✓	✓	✓	
Other fuels	✓	✓	✓	✓	✓	✓	
Electricity	✓	✓	✓	✓	✓	✓	✓
Other accommodation	✓	✓	✓	✓	✓	✓	✓
Owned vacation home						✓	✓
Travellers accommodation	✓	✓	✓	✓	✓	✓	✓
Household operation	✓	✓	✓	✓	✓	✓	✓
Communications	✓	✓	✓	✓	✓	✓	✓
Telephone	✓	✓	✓	✓	✓	✓	✓
Purchase of telephones							✓
Telephone services				✓	✓	✓	✓
Basic charge		✓	✓	✓	✓	✓	
Long distance toll charges		✓	✓	✓	✓	✓	
Cellular services						✓	✓
Internet services						✓	✓
Postal and other communication services						✓	✓
Child care expenses	✓	✓	✓	✓	✓	✓	✓
Domestic and other custodial services (excluding child care)						✓	✓

Description	1982	1984	1986	1990	1992	1996	1997
	Family Expenditure Survey						SHS
Pet expenses	√	√	√	√	√	√	√
Household cleaning supplies	√	√	√	√	√	√	√
Paper, plastic and foil household supplies	√	√	√	√	√	√	√
Garden supplies and services (excluding tools)					√	√	√
Household furnishings and equipment	√	√	√	√	√	√	√
Household furnishings	√	√	√	√	√	√	√
Furniture	√	√	√	√	√	√	√
Rugs, mats and underpadding							√
Window coverings and household textiles							√
Household textiles and related materials	√	√	√	√	√	√	
Other household textiles and related materials						√	
Art, antiques and decorative ware							√
Household equipment	√	√	√	√	√	√	√
Household appliances	√	√	√	√	√	√	√
Other household tools, equipment and accessories							√
Maintenance and repairs of furniture and equipment						√	√
Services related to furnishings and equipment	√	√	√	√	√		√
Clothing	√	√	√	√	√	√	√
Women's and girl's wear including gifts (age 4 years and over)							√
Women's wear (14 years and over)	√	√	√	√	√	√	
Girls' wear (4-13 years)	√	√	√	√	√	√	
Clothing gifts to non-household members – Women and girls							√
Men's and boy's wear including gifts (age 4 years and over)							√
Men's wear (14 years and over)	√	√	√	√	√	√	
Boys' wear (4-13 years)	√	√	√	√	√	√	
Clothing gifts non-household members – Men and boys (4 years and over)							√
Children's wear including gifts (under 4 years)							√
Infants' wear (under 4 years)	√	√	√	√	√	√	
Clothing gifts non-household members – Children (under 4 years)							√
Clothing materials and notions							√
Clothing materials, notions and related services	√	√	√	√	√	√	
Clothing services	√	√	√	√	√	√	√
Laundry and dry-cleaning	√	√	√	√	√	√	√
Transportation	√	√	√	√	√	√	√
Private transportation	√	√	√	√	√	√	√
Purchase of automobiles and trucks	√	√	√	√	√	√	√
Accessories and attachments for automobiles and trucks							√

Description	1982	1984	1986	1990	1992	1996	1997
	Family Expenditure Survey						SHS
Rented and leased automobiles and trucks						√	√
Operation of owned and leased automobiles and trucks	√	√	√	√	√	√	√
Gasoline and other fuels	√	√	√	√	√	√	√
Automotive maintenance and repair jobs		√	√	√	√	√	√
Garage rent and parking						√	√
Private and public vehicle insurance premiums		√	√	√	√	√	√
Public transportation	√	√	√	√	√	√	√
Local and commuter transportation	√	√	√	√	√	√	√
Inter-city transportation	√	√	√	√	√	√	√
Airplane		√	√	√	√	√	
Other passenger transportation							√
Household movers, storage and delivery services						√	√
Health care	√	√	√	√	√	√	√
Direct health care costs to household	√	√	√	√	√	√	√
Health care supplies					√	√	√
Medicinal and pharmaceutical products	√	√	√	√	√	√	√
Prescription drugs		√	√	√	√	√	√
Other medicines, drugs and pharmaceutical products							√
Other direct costs to family		√	√	√	√		
Physicians' care							√
Eye-care goods and services	√	√	√	√	√	√	√
Eyeglasses					√		
Prescription contact lenses					√		
Dental care	√	√	√	√	√	√	√
Orthodontic and periodontic procedures						√	
Hospital and other health care services					√	√	√
Hospital care						√	√
Other health care services					√	√	√
Other health care practitioners					√	√	√
Other medical services							√
Health insurance premiums	√	√	√	√	√	√	√
Public hospital, medical and drugs insurance plans		√	√	√	√	√	√
Private health care insurance plans		√	√	√	√	√	√
Supplementary coverage					√		
Personal care	√	√	√	√	√	√	√
Personal care supplies and equipment	√	√	√	√	√	√	√
Toilet preparations and cosmetics	√	√	√	√	√	√	
Hair grooming and other personal care services	√	√	√	√	√	√	√
Recreation	√	√	√	√	√	√	√
Recreation equipment and associated services	√	√	√	√	√	√	√
Sporting and athletic equipment					√	√	√

Description	1982	1984	1986	1990	1992	1996	1997
	Family Expenditure Survey						SHS
Toys, games and hobby equipment		√	√	√	√	√	√
Computer equipment and supplies						√	√
Photographic goods and services		√	√	√	√	√	√
Recreation vehicles and associated services	√	√	√	√	√	√	√
Purchase of recreation vehicles		√	√	√	√	√	√
Bicycles, parts and accessories					√	√	√
Purchase of other vehicles and outboard motors						√	√
Operation of recreational vehicles					√	√	√
Bicycle maintenance and repairs						√	√
Other recreational vehicle operation					√	√	√
Expenses for rented and leased recreational vehicles							√
Home entertainment equipment and services	√	√	√	√	√	√	√
Audio equipment (e.g., radio, CD player, speaker, etc.)					√	√	√
Audio combinations and radios					√	√	
Compact discs, audio tapes, videotapes and video-discs					√	√	√
Blank audio and videotapes							√
Blank audio tapes					√	√	
Television sets, VCRs, camcorders and other television/video components					√		√
Television sets						√	
VCR's, camcorders and other television/video components						√	
Pre-recorded videotapes and video-discs					√	√	
Blank videotapes					√	√	
Rental of videotapes and video-discs						√	√
Rental of home entertainment equipment and other services						√	√
Recreation services	√	√	√	√	√	√	√
Entertainment	√	√	√	√	√	√	√
Movie theatres					√	√	√
Live sports events (as a spectator)					√	√	√
Live performing arts					√	√	√
Rental of cablevision and satellite services						√	√
Rental of cablevision					√		
Rental of satellite services					√		
Use of recreation facilities		√	√	√	√	√	√
Membership fees and dues for sports and recreation facilities					√	√	√
Fees for single usage of sports and recreation facilities					√	√	√
Children's camps						√	√
Admission to museums and other activities and venues					√	√	√
Package travel tours	√	√	√	√	√	√	√
Sightseeing tours and excursion packages						√	
Other cultural and recreational services							√

Description	1982	1984	1986	1990	1992	1996	1997
	Family Expenditure Survey						SHS
Reading materials and other printed matter	√	√	√	√	√	√	√
Newspapers							√
Magazines and periodicals							√
Books and pamphlets (excluding school books)							√
Education	√	√	√	√	√	√	√
Education supplies and textbooks							√
Tuition fees	√	√	√	√	√	√	√
Tobacco products and alcoholic beverages	√	√	√	√	√	√	√
Tobacco products and smokers' supplies	√	√	√	√	√	√	√
Cigarettes	√	√	√	√	√		
Cigarettes, cigars and similar products						√	√
Alcoholic beverages	√	√	√	√	√	√	√
Alcoholic beverages served on licensed premises	√	√	√	√	√	√	√
Alcoholic beverages purchased from stores	√	√	√	√	√	√	√
Self-made alcoholic beverages							√
Miscellaneous expenditures (other property, financial services, union and club dues, forfeited deposits, money lost, work tools and equipment)	√	√	√	√	√	√	√
Interest on personal loans	√	√	√	√	√	√	
Financial services							√
Dues to unions and professional associations	√	√	√	√	√	√	√
Games of chance expenses						√	√
Government-run pool and lottery tickets	√	√	√	√	√	√	
Personal taxes	√	√	√	√	√	√	√
Personal insurance payments and pension contributions	√	√	√	√	√	√	√
Life insurance premiums, annuity contracts and transfers to RRIFs							√
Life insurance premiums	√	√	√	√	√	√	√
Annuity contracts						√	
Employment insurance (deductions from pay)	√	√	√	√	√	√	√
Retirement and pension fund payments	√	√	√	√	√	√	√
Canada and Quebec Pension Plan	√	√	√	√	√	√	√
Other government retirement and pension funds	√	√	√	√	√	√	√
Other retirement and pension funds (excluding RRSPs)	√	√	√	√	√	√	√
Gifts of money and contributions	√	√	√	√	√	√	√
Money gifts and contributions (includes "other" gifts)	√	√	√	√	√	√	

Description	1982	1984	1986	1990	1992	1996	1997
	Family Expenditure Survey						SHS
Money gifts and contributions to persons inside and outside Canada		√	√	√	√		
Money and support payments (to persons in Canada)							√
Money and support payments (to persons outside Canada)							√
Other gifts (e.g. flowers, clothing, toys)	√	√	√	√	√	√	
Charities	√	√	√	√	√	√	
Contribution to charity (religious)	√	√	√	√	√	√	√
Contribution to charity (non-religious)	√	√	√	√	√	√	√
Total value of gifts received	√	√	√	√	√	√	

Appendix D

Comparison of Variables from the 1996 (Famex) and the 1997 (SHS)

Deletions from 1996 FAMEX

- Airplane
- Basic local service (telephone)
- Change in principal of mortgage on owned living quarters
- Clothing expenditure of female reference person
- Clothing expenditure of husband
- Clothing expenditure of male reference person
- Clothing expenditure of wife
- Country of birth
- Educational level
- Goods and Services Tax credit (GST)
- Income after tax
- Interest on personal loans
- Long distance toll charges
- Low Income Cut-off (LICO) household indicator
- Mortgage interest
- Move to dwelling in 1996 indicator
- Occupation
- Orthodontic, periodontic procedures
- Other gifts e.g. flowers, clothing, toys
- Other recreational supplies and rentals
- Provincial tax credits
- Social assistance indicator
- Total balance owing on mortgage (owned living quarters)
- Total value gifts received
- Value of dwelling owned at December 31, 1996

Additions to 1996 FAMEX

- Accessories and attachments for automobiles and trucks (expenditure)
- Age of principal heating equipment
- Age of youngest child (member sometime in 1997)
- Air conditioner (household equipment)
- Books and pamphlets (excluding school books) (expenditure)
- Cablevision (household equipment)
- Cellular telephone (household equipment)
- Clothes dryer (household equipment)
- Clothing gifts – Children under 4 years
- Clothing gifts – Men and boys
- Clothing gifts – Women and girls
- Compact disc player (household equipment)
- Dishwasher (household equipment)
- Dwelling tenure at December 31
- Education supplies and textbooks (expenditure)
- Expense for rented and leased recreational vehicles
- Financial services (expenditure)
- Freezer (household equipment)
- Full-year/part-year household indicator
- Home computer (household equipment)
- Internet use from home (household equipment)
- Magazines and periodicals (expenditure)
- Major source of income
- Microwave oven (household equipment)
- Modem (household equipment)
- Newspapers (expenditure)
- Number of colour televisions
- Number of refrigerators
- Number of telephone numbers
- Number of telephones
- Number of vehicles leased
- Number of video cassette recorders
- Other household tools, equipment and accessories (expenditure)
- Other medicines, drugs and pharmaceutical products (expenditure)
- Other medical services (expenditure)
- Other passenger transportation (expenditure)
- Physicians' care (expenditure)
- Principal cooking fuel (household equipment)
- Principal heating equipment (household equipment)
- Principal heating fuel (household equipment)
- Principal heating fuel for hot water (household equipment)
- Purchase of telephones
- Purchased dwelling in 1997 indicator
 - Repairs needed
- Self-made alcoholic beverages (expenditure)
- Services related to furnishings and equipment (expenditure)
- Tenure of previous dwelling
- Washing machine (household equipment)
- Year of move

Appendix E

Technical Table 1a

Coefficients of Variation (%) for Dwelling Characteristics and Household Equipment, Canada, from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Estimated number of households	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average household income before tax	0.63	1.05	1.61	1.56	1.09	1.05	1.30
Average household size	0.14	0.29	0.57	0.25	0.28	0.21	0.31
Average number of rooms per dwelling	0.36	0.91	1.62	0.87	0.87	0.69	0.74
Dwelling Characteristics							
Dwelling type							
Single detached	0.95	1.85	3.42	1.95	2.05	2.21	1.96
Single attached	4.17	12.43	21.56	14.81	13.96	8.61	6.97
Apartment	1.64	7.43	10.75	5.64	6.36	2.36	3.52
Other	9.11	26.92	37.91	13.87	15.61	25.24	33.38
Dwelling repairs							
Major	3.67	7.38	21.89	7.33	6.85	7.74	7.70
Minor	2.60	7.96	13.78	6.68	6.80	5.15	5.51
None	0.69	1.68	2.70	2.08	1.94	1.28	1.43
Tenure							
Owned	0.77	1.46	2.97	1.80	1.71	1.85	1.50
With mortgage	1.57	4.43	6.25	2.90	3.41	3.09	3.21
Without mortgage	1.54	2.35	5.83	3.37	3.09	3.39	3.30
Rented	1.40	4.52	7.88	4.35	4.53	2.38	2.92
Year of move							
1997	2.47	7.96	12.85	5.94	7.02	4.83	5.07
1993 - 1996	1.54	5.11	6.15	3.86	4.32	3.16	3.30
Before 1993	1.06	1.69	3.16	1.98	2.02	1.95	2.20
Period of construction							
1991 - 1997	6.04	14.77	15.88	10.37	10.33	9.67	14.00
1981 - 1990	2.85	6.64	12.92	7.01	6.67	5.51	5.83
1971 - 1980	2.48	5.32	8.14	5.24	5.41	4.98	6.06
1961 - 1970	2.82	7.52	12.94	9.49	7.49	5.57	5.87
1946 - 1960	2.74	8.00	17.83	6.86	7.28	4.73	5.55
Before 1946	2.75	9.13	10.34	5.22	6.64	4.92	5.12
Number of rooms							
1-4	1.61	5.52	7.31	5.08	4.63	2.54	3.68
5	2.44	5.41	9.01	5.07	4.87	4.35	5.60
6	2.51	5.56	10.74	5.35	5.24	5.45	4.85
7 or more	1.33	3.94	6.72	3.21	3.11	3.21	2.65
Bathrooms							
1	0.82	1.38	2.80	1.38	1.34	1.21	1.84
2 or more	1.55	5.38	9.28	5.23	4.61	3.87	3.08

Technical Table 1a
Coefficients of Variation (%) for Dwelling Characteristics and Household
Equipment, Canada, from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Principal heating equipment							
Steam or hot water furnaces	2.92	9.90	5.09	4.60	8.12	6.30	6.49
Forced hot air furnaces	1.13	5.27	9.57	4.24	4.66	6.04	1.86
Other hot air furnaces	7.17	17.24	58.24	17.42	18.02	13.30	14.60
Heating stoves	5.04	7.16	17.88	7.95	10.36	7.63	13.17
Electric heating	1.85	3.66	39.91	5.58	2.72	1.84	7.34
Other	18.98	35.36	79.82	30.11	57.98	59.17	28.81
Age of principal heating equipment							
5 years or less	2.95	5.95	8.01	4.73	6.58	6.05	5.87
6 to 10 years	2.65	5.74	10.30	5.63	5.64	5.26	5.20
Over 10 years	1.05	3.27	4.89	2.73	2.46	1.52	2.49
Principal heating fuel							
Oil or other liquid fuel	2.97	5.25	2.50	2.39	5.18	5.41	7.45
Piped gas	1.23	0.00	0.00	0.00	0.00	10.58	2.09
Bottled gas	10.55	37.53	43.60	27.35	48.36	34.45	20.04
Electricity	1.59	3.61	39.91	5.50	2.53	1.56	6.02
Wood	4.58	6.88	11.78	6.38	5.91	6.80	14.50
Other	21.59	100.34	73.09	29.77	71.70	99.95	36.40
Principal heating fuel for hot water							
Oil or other liquid fuel	4.94	9.28	4.09	3.41	9.09	11.09	15.07
Piped gas	1.24	0.00	0.00	0.00	0.00	10.32	2.12
Electricity	1.15	1.78	14.07	2.49	0.80	0.97	4.10
Other heating fuel or no running hot water	9.24	21.80	19.02	11.95	18.09	36.06	22.18
Principal fuel to cook							
Piped gas	4.99	0.00	0.00	0.00	0.00	24.84	7.21
Electricity	0.29	0.49	1.28	0.75	0.44	0.26	0.71
Other cooking fuel	9.41	15.06	15.93	10.26	15.70	24.73	27.24
Household Equipment (at December 31)							
Washing machine							
Automatic	0.55	1.56	2.29	1.51	1.17	0.86	1.27
Other	7.89	10.27	32.40	14.03	16.78	19.73	18.93
Clothes dryer	0.59	1.41	2.42	1.50	1.23	1.00	1.37
Dishwasher							
Built in	1.30	5.10	6.74	4.04	3.92	2.32	2.94
Portable	3.66	12.24	19.64	8.93	10.30	7.64	7.44
Refrigerators							
1	0.58	0.98	1.63	1.06	1.12	0.97	1.34
2 or more	2.01	8.27	16.21	7.15	7.29	4.05	3.80
Freezer	0.86	1.26	2.49	1.65	1.72	2.00	1.83
Microwave oven	0.39	1.23	1.62	0.95	0.90	0.76	0.81

Technical Table 1a
Coefficients of Variation (%) for Dwelling Characteristics and Household Equipment, Canada, from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Air conditioner							
Window	3.22	52.10	26.23	15.21	12.14	5.96	4.96
Central	2.48	28.73	83.95	23.52	16.73	7.80	3.10
Telephones							
1	1.90	4.85	8.04	4.88	3.96	3.37	4.39
2	1.53	3.68	5.87	3.67	3.20	2.74	3.39
3 or more	1.28	3.55	6.22	2.97	3.67	2.80	2.44
Cellular Telephone	2.02	7.94	14.67	5.91	6.28	5.85	3.83
Compact disc player	0.75	2.08	3.21	1.94	2.02	1.57	1.50
Cablevision	0.74	1.70	2.17	1.78	2.11	1.53	1.50
Video cassette recorders							
1	0.84	2.23	3.45	1.99	2.11	1.64	1.73
2 or more	1.80	5.52	9.16	4.65	4.93	3.60	3.63
Home computer	1.20	4.20	6.56	3.46	3.59	2.87	2.24
Modem	1.74	5.42	8.22	4.31	5.33	4.41	3.22
Internet use from home	2.23	7.01	9.54	5.35	5.68	5.90	4.09
Colour televisions							
1	1.13	3.21	5.75	2.78	2.48	2.13	2.41
2	1.40	3.42	6.68	3.51	3.22	2.61	2.96
3 or more	2.24	4.99	10.46	5.01	5.39	4.47	4.54
Owned vehicles (automobiles, trucks and minivans)							
1	1.19	2.68	5.10	2.94	2.80	2.26	2.47
2 or more	1.25	3.98	4.40	3.22	3.37	3.25	2.54
Owned automobiles							
1	1.11	2.63	4.21	2.62	2.36	2.21	2.32
2 or more	2.26	7.15	7.20	5.73	6.18	4.46	4.57
Owned trucks and minivans							
1	1.71	3.80	6.85	4.01	4.03	4.43	3.66
2 or more	4.89	15.63	16.41	11.30	11.31	16.82	11.99

0.00 = item not reported

Revised, May 2001

Technical Table 1b
Coefficients of Variation (%) for Dwelling Characteristics and Household Equipment, from Manitoba to Northwest Territories, 1997 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
Estimated number of households	0.00	0.00	0.00	0.00	0.00	0.00
Average household income before tax	1.24	1.50	1.15	1.29	4.82	6.92
Average household size	0.33	0.36	0.27	0.39	0.70	0.65
Average number of rooms per dwelling	0.94	0.87	0.75	0.86	2.94	3.59
Dwelling Characteristics						
Dwelling type						
Single detached	2.13	2.07	1.97	2.32	9.20	10.61
Single attached	16.44	15.82	8.93	10.01	42.55	22.27
Apartment	5.85	6.89	5.50	4.17	20.24	25.72
Other	19.61	25.87	15.83	18.20	38.44	18.39
Dwelling repairs						
Major	8.62	9.86	9.09	9.11	18.88	15.84
Minor	5.73	6.46	5.70	5.79	9.70	13.85
None	1.80	2.08	1.58	1.66	4.27	4.44
Tenure						
Owned	2.18	1.85	1.61	1.80	9.94	14.41
With mortgage	4.47	5.20	3.41	3.24	9.41	12.86
Without mortgage	3.55	3.34	3.30	3.62	13.91	28.34
Rented	4.80	4.80	3.78	3.37	14.00	7.85
Year of move						
1997	6.70	6.79	4.85	5.41	14.52	10.31
1993 - 1996	5.32	4.45	3.24	2.80	8.73	7.25
Before 1993	2.69	2.75	2.60	2.83	11.17	15.40
Period of construction						
1991 - 1997	18.61	16.05	15.29	8.04	26.29	34.37
1981 - 1990	8.21	8.07	6.81	5.53	19.84	22.22
1971 - 1980	7.91	6.10	4.98	4.91	17.62	12.12
1961 - 1970	6.35	8.38	6.72	6.45	27.15	17.24
1946 - 1960	6.76	7.25	7.17	7.54	29.10	36.33
Before 1946	7.32	7.49	9.34	8.90	41.11	71.03
Number of rooms						
1-4	4.59	6.66	4.60	3.40	13.85	8.95
5	5.53	6.94	5.51	6.00	14.88	11.55
6	6.32	8.06	5.90	5.75	13.98	8.31
7 or more	3.71	2.96	2.35	2.65	10.70	23.73
Bathrooms						
1	2.16	2.39	2.62	2.44	5.94	4.13
2 or more	4.66	3.69	2.78	2.78	12.65	14.22

Technical Table 1b
Coefficients of Variation (%) for Dwelling Characteristics and Household
Equipment, from Manitoba to Northwest Territories, 1997 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
Principal heating equipment						
Steam or hot water furnaces	11.17	8.32	6.20	5.89	24.64	16.56
Forced hot air furnaces	2.81	1.66	1.28	2.81	11.67	10.19
Other hot air furnaces	24.83	23.63	19.54	17.22	48.15	89.98
Heating stoves	20.79	37.11	25.77	16.46	18.57	54.94
Electric heating	7.19	27.88	26.85	4.89	28.38	49.72
Other	70.70	73.74	101.20	30.71	101.25	91.72
Age of principal heating equipment						
5 years or less	6.80	7.46	7.64	5.65	10.91	25.64
6 to 10 years	8.38	7.68	6.63	5.87	13.80	11.37
Over 10 years	2.74	2.16	2.61	2.51	5.89	10.92
Principal heating fuel						
Oil or other liquid fuel	17.60	17.30	35.34	9.64	6.38	7.31
Piped gas	3.32	2.17	0.55	2.63	0.00	0.00
Bottled gas	22.95	27.04	23.29	21.36	38.54	37.33
Electricity	6.05	21.21	21.90	4.03	27.05	46.26
Wood	15.18	26.97	33.58	15.55	15.14	95.92
Other	102.10	100.32	47.07	45.97	73.44	0.00
Principal heating fuel for hot water						
Oil or other liquid fuel	51.14	55.56	76.32	32.05	37.22	14.44
Piped gas	3.22	2.43	0.71	2.39	0.00	0.00
Electricity	3.78	8.66	11.06	3.02	3.81	11.63
Other heating fuel or no running hot water	25.51	35.98	19.25	21.68	24.89	38.72
Principal fuel to cook						
Piped gas	19.15	23.09	9.64	8.47	0.00	0.00
Electricity	0.52	0.53	0.79	0.77	1.00	1.34
Other cooking fuel	60.48	60.70	33.69	24.64	22.50	43.89
Household Equipment (at December 31)						
Washing machine						
Automatic	1.66	1.57	1.06	1.37	4.89	5.54
Other	18.61	14.91	24.54	36.02	102.57	74.38
Clothes dryer	1.59	1.56	1.02	1.43	4.97	6.31
Dishwasher						
Built in	4.52	3.96	2.45	2.68	13.45	12.55
Portable	7.82	8.79	7.92	9.36	14.18	18.92
Refrigerators						
1	1.93	1.92	1.42	1.11	2.42	1.31
2 or more	4.58	4.42	4.30	4.60	17.56	17.99
Freezer	1.70	1.53	1.46	1.87	6.26	5.92
Microwave oven	1.05	1.13	0.64	0.91	2.50	8.83

Technical Table 1b**Coefficients of Variation (%) for Dwelling Characteristics and Household Equipment, from Manitoba to Northwest Territories, 1997 - REVISED**

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
Air conditioner						
Window	6.54	7.75	11.95	12.38	34.64	29.05
Central	4.58	6.43	13.00	13.14	56.94	33.58
Telephones						
1	4.58	4.43	5.95	4.00	11.68	12.86
2	4.17	4.08	3.33	3.26	6.19	12.52
3 or more	3.87	4.12	2.46	2.83	9.46	21.14
Cellular Telephone	4.75	5.08	3.06	3.95	24.10	14.99
Compact disc player	2.40	2.41	1.55	1.59	3.84	7.15
Cablevision	2.24	3.25	1.82	1.28	6.11	3.06
Video cassette recorders						
1	2.47	2.75	1.86	1.97	4.93	4.35
2 or more	4.53	5.85	3.71	4.20	8.88	9.00
Home computer	3.24	3.86	2.40	2.49	6.53	10.73
Modem	5.08	5.91	3.48	3.62	8.76	13.05
Internet use from home	6.80	8.01	4.97	4.37	12.13	14.58
Colour televisions						
1	2.88	2.96	2.76	2.40	7.84	9.68
2	3.85	4.14	2.96	3.22	9.68	10.71
3 or more	5.25	6.46	4.59	5.66	12.07	13.12
Owned vehicles (automobiles, trucks and minivans)						
1	3.25	3.26	2.84	2.90	8.04	13.04
2 or more	3.65	2.79	2.09	2.58	6.88	13.33
Owned automobiles						
1	2.93	3.12	2.19	2.57	7.35	8.67
2 or more	7.11	6.58	3.89	4.78	17.98	18.27
Owned trucks and minivans						
1	4.03	4.47	3.29	3.54	10.21	15.36
2 or more	11.98	11.67	7.68	8.79	14.76	17.99

0.00 = item not reported

Revised, May 2001

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada,
from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Estimated number of households	0.76	0.35	0.61	0.65	0.40	0.69	1.29
Household size	0.14	0.30	0.53	0.27	0.28	0.21	0.30
Number of children aged less than 5	1.49	3.45	5.72	3.96	3.00	3.12	2.96
Number of children aged 5 to 14 years	1.09	2.43	4.36	2.85	2.49	2.43	2.11
Number of youths aged 15 to 19 years	2.02	4.33	6.76	5.50	4.90	4.49	4.05
Number of youths aged 20 to 24 years	1.73	4.58	6.57	4.50	3.83	3.96	3.40
Number of adults aged 25 to 64 years	0.15	0.31	0.55	0.31	0.29	0.25	0.32
Number of seniors aged 65 years and over	0.30	0.71	1.09	0.65	0.53	0.52	0.64
Number of part-time earners	0.92	2.13	2.45	1.88	2.09	1.95	1.95
Number of full-time earners	0.73	2.44	3.21	1.93	2.23	1.56	1.39
Age of reference person	0.19	0.47	1.04	0.43	0.49	0.37	0.39
Household income before tax	0.63	1.06	1.82	1.55	1.11	1.09	1.31
Other money receipts	8.07	23.86	29.86	17.43	22.16	13.95	15.57
Money flows - assets, loans and other debts	8.61	14.38	62.11	21.20	20.72	15.91	13.82
Percentage							
Homeowner on December 31	0.76	1.43	3.03	1.74	1.67	1.84	1.48
Automobile or truck owners on December 31	0.53	1.53	1.60	1.17	1.31	1.26	1.09
One-person households	0.57	2.22	2.32	1.78	1.67	0.79	1.36
Husband-wife households	0.38	0.81	1.35	0.87	0.85	0.70	0.77
Lone-parent households	0.74	2.01	1.56	1.63	1.96	1.47	1.49
With no full-time earner	0.90	1.70	2.90	1.77	2.11	1.62	2.04
With one full-time earner	1.39	4.80	6.28	3.35	3.44	2.64	2.91
With two or more full-time earners	1.90	6.86	9.44	4.47	5.49	4.22	3.57
With wife employed full time	1.92	5.22	6.70	3.61	4.47	4.02	3.80
With husband employed full time	0.98	3.53	5.43	2.58	3.07	2.22	1.81
With age of reference person:							
Under 25 years	6.36	17.69	46.16	14.17	14.26	15.08	15.21
25 to 44 years	0.89	2.31	4.16	2.36	2.34	1.84	1.77
45 to 64 years	1.07	2.54	5.56	2.59	2.64	2.06	2.14
65 years or older	1.04	2.85	3.94	2.15	2.25	2.09	2.17
Total expenditure	0.56	1.10	2.23	1.37	1.18	0.97	1.15
Total current consumption	0.49	1.09	1.99	1.11	1.11	0.89	0.98
Food	0.47	1.07	1.55	0.96	1.08	0.78	0.99
Food purchased from stores	0.45	1.02	1.51	0.97	1.06	0.84	0.95
Locally and on day trips	0.46	1.04	1.53	0.96	1.07	0.85	0.95
While on trips overnight or longer	3.30	10.57	14.63	10.03	8.46	8.92	6.27
Board paid to private households	9.66	18.69	25.31	26.51	20.16	16.68	21.04
Board paid by household members including roomers	10.44	33.02	28.52	32.09	21.62	12.48	30.50
While on trips overnight or longer	15.53	19.28	58.48	33.81	35.43	38.31	27.37
Food purchased from restaurants	1.29	3.44	5.00	2.83	2.79	2.26	2.61

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada,
from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Shelter	0.73	1.56	2.64	1.34	1.44	1.21	1.45
Principal accommodation	0.75	1.59	2.63	1.36	1.51	1.19	1.50
Rented living quarters	1.83	5.62	8.71	4.81	5.63	2.74	3.69
Rent	1.83	5.59	8.78	4.84	5.81	2.78	3.66
Tenants' maintenance, repairs and alterations	14.22	26.87	29.73	20.50	35.31	20.24	27.14
Tenants' insurance premiums	3.46	15.78	17.68	11.02	15.30	4.08	8.54
Owned living quarters	1.51	3.62	5.33	2.61	2.97	2.64	2.92
Regular mortgage payments	2.05	4.97	6.50	3.30	4.08	3.47	4.03
Maintenance, repairs and replacements	3.66	6.46	14.01	7.61	9.18	8.50	6.62
Condominium charges	7.22	64.63	101.00	35.09	37.23	19.94	11.39
Property taxes	1.15	3.38	5.15	2.81	2.67	2.36	2.00
Homeowners' insurance premiums	1.11	2.79	3.70	2.93	2.43	2.19	2.18
Other expenditures for owned living quarters	6.05	13.16	18.56	9.85	14.26	11.19	10.84
Commissions for sale of real estate	10.24	31.87	32.67	26.35	39.56	19.75	17.11
Legal fees related to the dwelling(s)	9.04	20.01	20.22	13.26	15.42	17.59	17.58
Mortgage insurance premiums	4.43	7.66	12.45	7.64	7.65	6.49	8.43
Other expenses	9.50	25.26	38.09	15.19	24.73	29.03	13.56
Appraisals, surveying and mortgage penalties	16.79	22.01	45.08	18.15	29.29	52.54	21.46
Transfer taxes and land registration fees	9.68	48.03	30.55	23.25	32.74	16.99	15.23
Water, fuel and electricity	0.68	1.36	2.45	1.60	1.43	1.46	1.40
Water and sewage	2.27	6.65	8.73	5.92	5.78	13.88	4.41
Fuel (e.g., oil, gas)	1.35	4.79	3.73	3.01	4.92	4.53	2.30
Electricity	0.88	1.71	2.00	2.01	1.45	1.47	2.05
Other accommodation	3.06	7.44	10.51	6.63	7.67	7.23	5.49
Owned vacation home	5.40	12.75	20.64	12.89	13.01	13.01	9.15
Maintenance, repairs and replacements	13.60	20.72	32.31	25.39	24.62	39.27	17.08
Property taxes and sewage charges	5.32	13.72	26.26	12.48	14.16	11.69	9.02
Insurance premiums	5.91	12.35	21.64	13.19	15.92	12.86	10.46
Electricity, water and fuel	8.27	16.76	25.76	15.22	15.51	13.65	14.67
Other expenses for owned vacation home	11.98	37.53	55.93	58.28	35.16	22.44	25.82
Traveller accommodation	3.60	7.39	9.92	7.69	8.77	7.64	6.79
Hotels and motels	3.04	7.52	10.74	6.89	8.22	6.94	5.75
Other accommodation away from home	9.49	12.96	35.47	15.18	16.63	15.68	16.67
Household operation	0.86	1.98	3.67	2.08	1.92	1.74	1.70
Communications	0.88	1.81	2.90	1.69	1.92	1.82	1.75
Telephone	0.86	1.65	2.89	1.68	1.88	1.69	1.72
Purchase of telephones and equipment	3.92	8.65	20.63	9.45	9.12	7.26	7.99
Telephone services	0.86	1.65	2.86	1.65	1.90	1.71	1.72
Telephone service	0.87	1.65	2.86	1.66	1.91	1.73	1.73
Installation and repairs	4.94	13.12	23.29	12.75	18.89	9.40	9.73
Cellular services	3.27	11.61	18.47	7.97	8.31	8.67	6.36
Internet services	3.41	17.92	13.51	7.98	9.63	8.07	6.65

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada,
from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Postal and other communication services	1.88	3.56	5.38	3.94	4.30	5.07	3.45
Child care expenses	3.76	15.47	12.25	7.82	7.72	6.49	7.34
Child care outside the home	4.66	15.53	14.74	9.11	11.45	7.57	9.20
Day-care centres	5.54	22.67	21.08	13.99	16.34	9.08	11.50
Other child care outside the home	8.35	23.65	23.26	12.55	17.46	14.97	13.98
Child care in the home	7.67	22.20	22.25	16.76	11.02	12.92	15.61
Domestic and other custodial services	6.52	21.75	29.94	27.02	20.20	12.74	12.66
Pet expenses	2.43	4.69	8.56	4.07	3.78	4.56	4.65
Pet food	2.38	5.09	7.64	3.91	4.33	4.31	4.92
Purchase of pets	11.87	21.60	29.07	22.42	17.35	13.86	21.68
Purchase of pet related goods	4.11	9.16	8.93	6.29	5.99	6.04	8.59
Veterinarian and other services	3.63	8.93	13.44	7.56	5.97	9.74	6.23
Household cleaning supplies	1.01	1.96	3.53	2.02	2.52	2.28	1.94
Paper, plastic and foil household supplies	0.93	1.59	3.05	2.20	2.13	1.82	1.90
Stationery (excluding school supplies)	1.65	2.65	5.04	3.11	3.16	3.60	3.31
Other paper and plastic supplies	1.00	1.88	3.24	2.50	2.50	1.91	2.08
Garden supplies and services	2.58	5.41	4.98	4.77	4.38	3.78	5.27
Nursery and greenhouse stock, cut flowers, and decorative plants	2.47	4.90	7.14	4.08	3.96	4.25	4.82
Fertilizers, soil and soil conditioners	3.53	6.26	9.38	7.00	6.23	5.20	7.07
Pesticides	3.34	8.16	10.25	6.73	24.09	7.94	6.62
Horticultural services, snow and garbage removal	6.13	17.17	8.96	10.60	7.80	6.68	13.38
Other household supplies	1.37	2.90	7.92	2.85	4.20	2.97	2.71
Other household operation	1.30	2.00	4.68	3.81	3.59	2.42	2.66
Household furnishings and equipment	1.60	3.60	5.92	3.57	3.34	3.33	3.21
Household furnishings	2.55	5.65	8.31	5.84	4.44	5.39	5.01
Furniture	3.13	7.38	11.98	7.95	5.60	6.58	6.08
Rugs, mats and underpadding	7.85	17.67	33.53	18.02	19.19	12.56	14.19
Window coverings and household textiles	3.10	4.80	8.70	5.06	5.32	7.69	5.62
Art, antiques and decorative ware	4.84	14.42	15.28	9.01	10.01	9.44	8.92
Works of art, carvings and vases	6.71	13.75	24.91	12.30	15.74	19.46	11.17
Antiques	16.05	55.27	42.09	33.33	34.13	36.28	30.83
Glass mirrors, and mirror and picture frames	6.15	9.13	17.10	7.14	12.04	9.22	14.14
Household equipment	1.52	3.59	7.48	3.54	4.02	3.11	3.09
Household appliances	2.04	4.82	9.83	4.94	5.12	4.37	4.11
Air conditioning and refrigeration appliances	4.17	8.61	20.34	8.87	9.09	8.94	7.91
Room air conditioners, portable humidifiers and dehumidifiers	8.87	23.65	31.53	20.69	17.57	15.06	16.21
Refrigerators and freezers	4.73	9.19	21.26	9.91	10.46	10.47	9.05
Appliances for cooking and warming food	3.88	8.18	15.42	8.52	9.54	7.48	7.92
Cooking stoves and ranges	5.89	11.67	24.24	13.31	13.71	11.98	11.64
Microwave and convection ovens	8.33	15.18	22.05	16.71	16.82	14.46	18.40
Gas barbecues	5.17	10.58	16.15	8.73	12.19	11.23	10.42

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada,
from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Small electric food preparation appliances	2.60	5.41	9.01	5.86	5.65	5.04	5.22
Washers and dryers	4.35	9.95	16.73	9.91	9.81	8.16	9.26
Other electric equipment and appliances	3.69	8.10	16.26	8.29	8.30	8.19	7.79
Vacuum cleaners and other rug cleaning equipment	4.98	11.25	21.10	11.15	13.27	11.26	10.60
Portable dishwashers	11.50	35.54	46.93	30.53	31.85	19.12	31.51
Sewing machines	13.57	21.35	35.25	20.71	23.93	26.30	26.57
Other electric equipment and appliances	2.89	6.03	11.66	7.60	6.94	7.38	5.48
Attachments and parts for major appliances	3.21	5.33	12.80	5.69	7.71	6.44	6.97
Home and workshop tools and equipment	3.84	6.97	13.32	8.35	7.43	10.10	7.59
Power tools and equipment	4.94	8.86	14.40	12.00	9.65	11.73	10.16
Other tools	4.51	7.33	20.47	9.02	8.56	13.08	7.32
Lawn, garden and snow-removal tools and equipment	4.22	12.37	24.31	9.96	10.60	8.14	8.62
Power lawn mowers and garden equipment	6.33	13.78	29.48	13.37	16.06	13.63	12.21
Snow-blowers	10.26	26.34	50.51	46.68	17.22	17.16	24.94
Other lawn, garden/ and snow removal tools and equipment	2.90	11.33	10.63	6.92	9.08	7.42	5.47
Lamps and lampshades	6.43	9.91	15.24	8.98	11.42	8.48	8.40
Non-electric kitchen and cooking equipment	3.10	6.78	8.41	5.77	6.04	4.85	6.54
Tableware, flatware and knives	5.73	13.49	16.87	21.97	15.62	8.03	11.56
Other household equipment and accessories	2.30	4.78	6.73	5.10	4.67	4.45	4.35
Non-electric cleaning equipment	2.05	3.43	6.64	3.87	5.02	4.10	4.14
Luggage	3.93	11.61	17.90	11.70	10.36	7.79	7.44
Home security equipment	6.40	14.72	14.83	15.00	12.65	12.91	11.70
Other household equipment, parts and accessories	2.92	6.81	8.56	5.62	5.62	7.10	5.83
Maintenance and repairs of furniture and equipment	3.83	8.54	11.10	8.27	8.10	6.30	8.44
Furniture, carpeting and household textiles	6.30	13.77	16.39	10.49	10.25	10.26	13.91
Major household appliances	3.71	10.73	13.15	8.25	9.63	6.66	7.70
Other maintenance and repairs of furniture and equipment	8.55	21.05	29.66	20.07	17.28	16.55	16.66
Services related to furnishings and equipment	5.42	17.33	21.90	11.08	17.58	12.77	8.42
Rental of heating equipment	9.26	24.80	23.83	11.75	24.62	34.86	11.54
Other services related to furnishings and equipment	7.32	22.74	36.49	22.80	21.92	12.09	13.78
Clothing	0.98	2.10	3.12	2.07	2.16	1.79	2.00
Women's and Girls' wear (4 years and over)	1.21	2.42	3.99	2.51	2.47	2.12	2.52
Clothing	1.38	2.84	4.18	2.89	2.73	2.39	2.95
Footwear	1.23	2.79	4.70	2.55	3.01	2.22	2.53
Accessories	2.07	4.80	8.24	4.08	5.34	3.99	4.14
Jewellery and watches	4.19	7.54	13.57	7.32	9.22	6.82	7.99
Clothing gifts to non-household members	2.73	4.22	7.07	5.92	4.13	5.25	5.28
Men's and Boys' wear (4 years and over)	1.21	2.75	3.92	2.25	2.61	2.20	2.55

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada,
from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Clothing	1.46	3.11	4.28	2.75	3.04	2.40	3.17
Footwear	1.20	2.66	4.48	2.61	2.81	2.12	2.56
Accessories	2.12	5.14	10.92	4.31	5.16	4.29	4.35
Jewellery and watches	6.74	19.01	14.66	12.76	10.16	16.75	13.53
Clothing gifts to non-household members	2.26	4.66	7.24	4.81	4.85	5.65	4.30
Children's wear (under 4 years)	3.24	5.02	8.47	6.52	6.31	8.00	5.91
Clothing and cloth diapers	4.66	7.68	14.73	11.72	11.14	14.59	6.82
Footwear	5.14	10.47	14.48	11.66	10.61	12.55	7.75
Clothing gifts to non-household members	4.23	5.33	9.58	6.53	6.92	6.68	8.18
Clothing material, notions and services	1.71	4.76	6.35	4.28	4.02	3.10	3.25
Clothing material (excluding household textiles)	4.46	9.87	12.71	12.70	10.13	7.68	10.97
Notions	4.98	8.20	12.59	11.99	8.22	13.62	8.81
Services	1.85	6.43	7.44	4.33	4.62	3.26	3.41
Dressmaking, tailoring, clothing storage and other clothing services	6.29	12.64	30.92	13.55	11.85	14.41	11.80
Laundry and dry-cleaning service	2.37	9.20	9.39	5.76	5.54	3.72	4.51
Laundromats and self-service dry cleaning	3.70	18.18	15.14	8.32	10.75	9.08	6.10
Maintenance, repair and alteration	3.19	7.89	10.21	5.75	12.05	5.44	6.82
Transportation	1.37	2.98	5.24	2.79	3.21	2.53	2.83
Private transportation	1.50	3.26	5.47	2.97	3.38	2.71	3.13
Purchase of automobiles and trucks	3.61	7.97	12.69	7.32	8.68	7.28	7.44
Automobiles	4.19	9.52	13.72	8.36	10.50	8.12	8.21
Trucks (including vans)	5.60	14.12	17.56	11.99	11.49	12.60	12.79
Separate sale of automobiles and trucks (3)	-8.07	-22.91	-26.72	-19.21	-21.21	-15.99	-18.11
Purchase of automotive accessories	6.04	17.22	26.99	16.31	14.51	11.77	13.02
Rented and leased automobiles and trucks	4.37	11.96	18.11	10.04	10.94	7.10	8.40
Rented automobiles and trucks	4.83	13.67	35.03	13.12	19.90	16.09	8.54
Automobiles	5.40	14.95	32.66	14.15	21.62	17.59	9.48
Rental fees (including insurance and mileage)	5.53	14.87	32.57	14.66	21.95	17.48	9.83
Gas and other fuels	6.40	17.49	35.85	15.62	27.18	20.42	11.10
Other expenses for rented automobiles	14.98	39.21	54.94	36.74	48.13	36.16	26.76
Trucks (including vans)	11.45	31.00	66.57	27.39	44.04	27.00	20.52
Rental fees (including insurance and mileage)	10.61	32.13	69.94	25.77	49.72	27.76	17.32
Gas and other fuels	22.65	36.08	57.44	33.03	41.32	30.12	42.45
Other expenses for rented trucks	30.32	100.72	99.57	88.10	100.14	98.60	52.88
Leasing fees for automobiles and trucks	4.85	13.48	18.69	10.94	11.25	7.46	9.31
Operation of owned and leased automobiles and trucks	0.80	2.16	2.46	1.63	1.65	1.66	1.58
Gasoline and other fuels	0.92	2.50	3.30	1.88	2.13	2.01	1.78
Tires, batteries, and other automotive parts and supplies	2.59	4.13	7.84	4.70	4.34	3.74	4.07
Maintenance and repair	1.95	5.42	6.37	4.39	4.69	3.38	3.93
Garage rent and parking	3.39	22.09	25.18	8.96	12.20	6.91	6.44

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada,
from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
At dwelling (not included in rent)	12.17	103.06	0.00	47.31	62.49	24.86	20.09
Parking away from home	3.52	22.11	25.18	9.24	12.46	6.92	6.85
Driving lessons	7.65	25.67	28.02	17.15	26.65	13.78	14.08
Drivers' licences and tests	1.92	4.13	7.18	5.17	4.69	2.57	5.25
Private and public vehicle insurance premiums	1.07	2.34	3.23	2.00	2.04	1.84	1.81
Registration fees and licences (including insurance if part of registration)	2.10	2.02	2.49	3.58	2.24	1.65	5.77
Other automobile and truck operation services	4.14	26.06	6.94	6.49	8.66	11.55	7.66
Public transportation	2.13	5.84	10.72	5.14	6.38	4.07	4.07
City or commuter bus, subway, street car and commuter train	3.14	15.84	44.88	7.68	12.14	4.37	5.40
Taxi	4.59	14.44	24.57	8.48	11.48	10.63	9.15
Airplane	3.44	7.32	14.20	8.32	11.00	9.61	6.75
Train	13.26	53.52	41.53	21.59	15.96	17.44	21.22
Highway bus	6.56	13.77	28.15	16.13	21.85	13.89	14.66
Other passenger transportation	4.48	10.12	13.92	9.73	12.98	11.25	11.34
Household moving, storage and delivery services	8.60	32.51	47.41	22.91	18.95	12.34	16.54
Health care	1.25	2.97	5.19	2.68	4.14	2.33	2.90
Direct costs to household	1.51	3.79	7.05	3.39	5.70	2.49	3.26
Health care supplies	7.26	17.64	33.36	12.05	13.92	11.13	14.56
Medicinal and pharmaceutical products	1.64	4.31	4.55	4.19	4.44	3.03	3.62
Prescribed	2.20	5.15	5.58	5.65	6.02	3.87	5.40
Other medicines and pharmaceutical products	2.11	4.91	6.96	4.16	4.08	3.51	4.10
Physicians' care	14.23	40.99	21.15	19.66	85.60	29.42	19.11
Eye-care goods and services	2.54	4.50	7.72	4.87	4.71	3.69	6.57
Prescription eye wear	1.87	4.63	8.48	4.90	5.38	3.65	4.11
Other eye care goods	3.43	8.01	15.45	8.89	8.07	7.30	7.23
Eye care services (e.g., surgery, exams)	15.33	10.84	8.55	19.27	6.40	15.42	48.15
Dental services	2.76	7.21	10.11	7.33	6.25	5.33	5.72
Hospital and other health care services	7.01	22.18	67.08	10.62	18.07	7.97	13.95
Hospital care	25.48	46.30	98.12	26.56	38.41	34.29	23.47
Other health care services	7.25	15.86	16.15	11.34	18.96	8.25	14.86
Other health care practitioners	8.62	22.37	20.25	13.06	16.46	9.16	18.15
Other medical services	13.17	11.57	27.76	20.39	33.50	16.80	25.04
Health insurance premiums	1.88	4.09	5.91	3.47	3.89	4.49	5.51
Public hospital, medical and drug plans	2.23	10.89	22.95	8.12	12.96	10.19	16.94
Private health insurance plans	2.52	4.96	6.82	3.99	4.45	4.97	5.89
Private health care plans (e.g., supplementary coverage, extended benefit packages, drug plans)	2.89	6.89	7.55	5.13	4.87	5.72	6.34
Dental plans	5.29	8.27	23.41	14.33	16.47	14.14	11.97
Accident and disability insurance	5.02	9.09	14.81	7.09	10.56	9.97	11.48
Personal care	0.83	1.76	2.75	1.82	1.92	1.65	1.61

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada,
from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Personal care supplies and equipment	1.02	2.20	3.97	2.29	2.61	1.96	2.03
Personal care preparations	1.15	2.53	4.71	2.66	2.71	2.15	2.34
Disposable diapers	3.29	6.99	10.77	8.78	7.66	6.70	6.35
Electric hair-styling and personal care appliances	3.10	5.90	11.67	6.81	6.63	6.47	6.55
Other personal care supplies and equipment	1.91	3.44	5.74	3.85	4.66	4.25	3.66
Hair grooming and other personal care services	1.08	2.33	3.44	2.27	2.33	2.13	2.12
Hair grooming services	1.06	2.24	3.20	2.17	2.25	2.09	2.10
Personal care services	3.82	18.61	21.26	10.28	11.55	6.09	7.48
Recreation	1.33	3.07	5.31	3.07	3.77	2.56	2.55
Recreation equipment and associated services	1.60	4.29	5.64	3.45	3.51	3.57	3.13
Sports and athletic equipment	3.01	7.05	8.65	7.98	6.31	5.73	6.12
Playground equipment, above-ground pools and accessories	12.32	29.58	38.25	32.30	36.41	15.91	20.73
Toys, games and hobby equipment	2.18	6.29	8.64	5.04	5.21	5.02	4.20
Toys and children's vehicles	2.50	4.54	7.28	4.64	4.52	6.05	4.79
Games and hobby equipment	2.67	8.34	11.60	6.29	6.87	5.98	5.23
Electronic games and parts	3.69	11.12	12.45	9.47	8.64	7.50	7.25
Video game rental	4.24	9.68	20.09	12.64	8.58	8.54	9.06
Artists' materials, handicraft and hobbycraft kits and materials	3.19	9.90	14.87	7.29	8.59	7.07	6.18
Computer equipment and supplies	3.57	10.77	16.44	7.94	9.13	8.13	6.90
Computer hardware	3.77	11.34	16.88	8.38	9.79	8.48	7.27
New	8.52	25.21	40.95	20.58	21.51	18.36	17.65
Used	4.37	19.17	27.34	9.19	15.62	9.68	8.22
Computer software	4.02	11.61	18.75	9.64	9.21	7.99	7.87
Computer supplies and other equipment	2.71	5.36	6.68	4.18	3.90	4.13	6.05
Photographic goods and services	6.49	14.00	17.66	10.60	11.13	13.27	13.21
Cameras and accessories	2.61	5.17	5.22	3.94	4.45	3.22	5.98
Films and processing	4.64	7.71	13.72	8.85	7.70	10.05	9.48
Photographers' and other photographic services	11.18	18.73	30.33	18.44	16.45	31.96	17.50
Musical instruments, parts and accessories	12.89	18.34	46.76	22.10	24.74	31.04	14.24
Collectors' items (e.g., stamps, coins)	5.53	9.06	26.53	8.37	10.07	9.34	12.63
Camping, picnic equipment and accessories (excluding BBQ's)	4.36	9.84	19.74	10.39	10.35	7.28	9.16
Supplies and parts for recreational equipment	16.06	26.19	27.18	17.31	17.54	14.78	33.91
Rental, maintenance and repairs of equipment	4.73	11.82	16.33	10.40	10.18	9.44	10.84
Recreation vehicles and associated services	5.71	8.72	24.92	16.37	15.25	13.31	12.17
Purchase of recreation vehicles	8.02	11.67	31.11	23.57	20.50	20.65	18.82
Bicycles, parts and accessories	6.15	11.79	17.85	27.10	13.95	8.76	13.73
Other recreational vehicles and outboard motors	9.21	12.40	34.93	27.51	21.91	25.43	23.38
Travel trailers	17.70	55.42	75.73	47.64	36.23	88.14	133.96
Tent trailers	24.11	92.34	102.92	49.74	-511.90	75.18	53.24
Motorcycles	20.78	94.38	237.97	51.41	500.67	44.31	46.93

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada,
from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Snowmobiles	15.97	17.66	34.53	999.00	30.50	48.56	29.85
Motor homes	39.68	-285.31	180.54	100.60	134.74	100.90	-83.58
Truck campers	55.82	101.35	103.24	59.17	100.41	-100.28	99.32
Boats	28.44	40.74	67.98	89.57	-262.17	43.13	170.88
Outboard motors and personal watercraft	36.34	35.88	60.88	43.18	70.44	-76.76	47.75
Other recreation vehicle purchases	22.44	28.56	80.42	25.19	22.01	32.73	45.79
Operation of recreational vehicles	5.00	9.63	18.88	11.27	9.26	13.97	8.30
Bicycle maintenance and repairs	7.98	32.17	28.74	26.41	20.13	12.00	17.79
Expenses for rented and leased recreational vehicles	12.62	41.80	39.04	28.66	39.75	23.98	23.96
Other recreational vehicle operation	5.36	9.75	19.10	11.71	9.66	14.95	9.02
Gasoline and other fuels	11.47	11.86	28.90	9.87	11.87	33.07	11.02
Supplies and parts	7.62	13.53	30.73	18.29	12.30	15.20	16.97
Maintenance and repair jobs	10.23	16.20	29.51	26.62	22.22	24.55	20.12
Insurance premiums	4.82	12.46	19.13	17.28	13.55	9.31	9.44
Registration fees and licences	5.32	8.87	24.23	9.88	10.48	9.01	11.62
Other expenses for operation of recreational vehicles	10.12	33.21	33.79	28.09	23.78	21.46	16.11
Home entertainment equipment and services	1.72	3.37	4.73	3.85	3.60	3.23	3.36
Equipment	2.14	4.01	6.39	4.87	4.46	4.15	4.09
Audio (e.g., radio, CD players, speakers)	4.00	8.16	17.61	10.20	10.86	8.58	6.76
Compact discs, tapes, videos and video discs	2.01	4.94	7.06	5.48	5.05	5.19	3.76
Blank audio and video tapes	2.72	9.80	14.43	5.66	7.45	5.14	5.42
Televisions, VCRs, camcorders and other television/video component	3.83	7.19	10.15	8.68	7.23	7.35	7.51
Other home entertainment equipment	8.25	22.43	42.48	20.10	17.53	18.63	14.76
Services	1.58	4.31	6.23	3.93	4.34	2.98	3.37
Rental of videotapes and video discs	1.58	4.44	6.67	4.18	4.58	2.99	3.39
Rental of home entertainment equipment and other services	16.72	64.36	38.72	34.12	25.76	27.63	31.06
Maintenance and repair of home entertainment equipment	4.84	10.74	15.00	8.50	18.78	8.74	9.86
Recreation services	1.58	3.52	4.58	3.37	3.83	2.91	3.06
Entertainment	0.98	1.83	3.11	1.95	2.49	2.04	1.93
Movie theatres	2.17	5.83	8.38	5.16	4.80	4.51	4.26
Live sports events	5.35	13.64	12.69	9.60	9.75	17.47	9.31
Live performing arts	2.65	6.92	7.78	7.11	5.82	4.53	5.14
Admission to museums and other activities	3.33	11.32	10.39	6.48	10.91	6.78	6.44
Rental of cablevision and satellite services	0.92	1.85	3.27	2.25	2.57	1.86	1.86
Use of recreation facilities	2.54	6.59	6.28	5.15	6.56	5.20	4.85
Membership fees for sports and recreation facilities	3.13	8.80	6.86	6.46	8.03	6.79	5.79
Single use fees for sports and recreation facilities	3.83	8.96	12.54	7.76	9.67	7.71	8.23
Sports activities, sports and recreation centre, and health clubs	4.37	11.48	14.65	9.07	12.02	8.34	9.50
Video, pinball and carnival games	4.99	13.66	17.27	14.29	11.08	16.67	8.90

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada,
from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Children's camps	7.68	17.65	33.36	13.83	13.97	11.64	12.70
Package travel tours	4.58	29.43	25.07	13.91	17.08	8.01	8.22
Other recreational services	6.49	9.56	40.36	9.88	12.35	15.71	14.54
Reading materials and other printed matter	1.37	3.22	4.82	3.14	2.99	2.49	2.83
Newspapers	1.66	3.18	3.87	3.63	3.22	2.66	3.44
Magazines and periodicals	2.07	4.77	8.14	4.98	5.76	4.40	4.33
Books and pamphlets (excluding school books)	2.70	7.27	9.10	5.97	6.75	5.15	5.58
Maps, sheet music and other printed matter	4.04	13.46	18.15	9.22	11.85	10.92	7.35
Services related to reading materials (e.g., duplicating, library fees)	6.65	13.75	54.20	11.07	19.30	17.04	12.68
Education	3.00	6.39	12.74	8.71	9.46	5.31	5.90
Supplies	5.04	17.08	12.17	9.38	5.08	8.15	12.51
Kindergarten, nursery, elementary and secondary	2.46	3.89	9.17	4.94	5.40	4.63	6.75
Post-secondary	9.63	31.37	25.49	19.51	9.96	16.13	19.51
Textbooks	3.30	5.82	17.14	8.25	7.90	5.31	6.83
Kindergarten, nursery, elementary and secondary	5.52	6.29	41.12	28.34	16.12	6.18	27.06
Post-secondary	3.72	7.65	17.25	8.40	8.49	7.05	7.11
Tuition fees	3.65	7.79	14.34	10.50	12.50	7.21	6.90
Kindergarten, nursery, elementary and secondary	10.17	41.02	37.19	28.60	44.58	12.69	25.39
Post-secondary	3.85	7.87	14.89	10.78	12.74	8.65	6.96
Other courses and lessons (excluding driving)	5.42	15.59	16.65	9.21	13.16	8.94	10.88
Other educational services	19.46	35.28	68.36	34.98	36.27	41.68	36.53
Tobacco products and alcoholic beverages	1.28	3.31	4.84	3.23	3.22	2.33	2.71
Tobacco products and smokers' supplies	1.76	4.06	6.22	4.09	4.21	3.30	3.98
Cigarettes, cigars and tobacco	1.77	4.17	6.41	4.13	4.24	3.32	3.98
Matches and other smokers' supplies	3.90	14.16	36.93	11.95	7.65	7.58	9.16
Alcoholic beverages	1.63	3.94	6.14	4.46	4.43	3.06	3.18
Served on licensed premises	2.88	8.62	10.34	7.49	9.12	5.89	5.54
Purchased from stores	1.69	3.85	6.57	4.32	4.54	3.24	3.32
Self-made alcoholic beverages	5.10	10.47	19.95	13.97	15.95	16.18	8.67
Games of chance (net)	3.54	5.81	10.75	7.33	6.78	9.47	5.16
Government-run lotteries	2.11	4.10	11.97	5.43	4.78	3.62	4.04
Casinos, slot machines, and video lottery terminals	9.73	18.92	25.13	13.27	22.26	27.76	11.87
Bingos	6.63	11.57	15.76	15.19	11.23	12.62	14.57
Non-government lotteries and raffle tickets	9.49	13.41	14.72	21.62	9.07	28.16	19.25
Winnings from games of chance	-5.64	-10.98	-15.81	-8.05	-10.14	-8.19	-11.89
Miscellaneous expenditures	3.21	5.35	8.68	8.12	5.66	4.16	6.51
Expenses on other property owned	9.72	21.70	38.80	22.99	21.10	24.34	19.60

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada,
from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Legal services not related to dwellings	13.78	31.79	32.38	24.20	17.14	14.86	24.17
Financial services	3.40	5.13	8.10	16.48	4.92	4.61	6.24
Service charges from banks	1.68	4.18	8.61	4.21	3.97	2.66	3.57
Stock and bond commissions	11.03	27.56	32.80	28.64	26.71	22.78	21.20
Administration fees	17.86	21.35	65.24	63.39	24.37	21.89	24.09
Other financial services	3.84	9.25	11.54	7.63	8.45	8.11	7.62
Dues to unions and professional associations	2.42	6.03	9.55	5.86	6.18	3.94	4.74
Contributions and dues for social clubs and other organizations	4.65	17.46	15.80	11.27	7.43	12.34	8.99
Forfeit of deposits, fines, and money lost or stolen	13.48	13.46	29.00	29.87	24.83	13.48	13.44
Tools and equipment purchased for work	7.75	20.43	22.78	14.74	22.28	12.56	17.23
Other miscellaneous goods and services	10.34	21.51	36.67	18.43	21.96	22.31	17.51
Goods	19.84	26.52	58.57	26.43	34.81	58.75	17.75
Services	11.88	26.76	45.55	20.09	23.46	24.05	22.00
Personal taxes	1.29	2.29	4.65	3.36	2.54	2.42	2.52
Income tax on reference year income	1.06	2.11	3.82	2.98	2.44	2.19	2.01
Income tax on income received before reference year	8.50	12.84	21.14	18.94	12.17	11.57	17.93
Other personal taxes	54.26	63.51	0.00	57.49	53.66	44.45	63.26
Tax refunds	-2.24	-4.74	-7.41	-4.41	-6.05	-4.03	-4.31
Personal insurance payments and pension contributions	1.96	2.07	2.77	3.82	5.65	2.83	4.27
Life insurance premiums	2.39	6.18	10.09	5.82	5.49	3.35	4.79
Annuity contracts and transfers to RRIFs	26.95	64.87	46.56	53.25	58.04	65.53	50.17
Employment insurance premiums	0.29	0.75	1.12	0.64	0.81	0.53	0.59
Retirement and pension fund payments	1.15	2.90	3.80	4.40	2.39	1.97	2.34
Canada and Quebec pension plan	0.59	1.51	2.32	1.33	1.52	1.10	1.19
Other government pension funds	3.62	6.50	13.04	7.77	8.41	5.44	9.65
Other retirement or pension funds (excluding RRSP)	3.97	12.50	14.60	16.56	8.25	7.73	7.34
Gifts of money and contributions	3.73	6.97	21.87	13.26	5.88	7.85	6.33
Money and support payments	5.10	9.98	32.36	19.68	8.50	10.15	8.98
Gifts of money and other support payments to persons living inside Canada	5.57	9.43	33.35	20.05	9.24	10.79	10.04
Gifts of money and other support payments to persons living outside Canada	10.32	68.77	46.49	33.13	44.00	25.53	15.87
Contributions to charity	3.80	7.06	9.03	6.64	6.22	8.10	5.94
Religious organizations	4.25	8.43	12.28	7.94	7.17	12.57	7.56
Non-religious charitable organizations	6.52	6.31	7.90	8.81	11.04	8.66	7.60
Registered retirement savings plans	5.67	11.28	28.19	14.06	25.23	11.87	10.29
Additions, renovations and alterations: contract, labour and material cost	4.52	8.95	15.69	16.12	11.07	7.14	7.13

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada,
from Newfoundland to Ontario, 1997 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
New installations of equipment and fixtures: contract, labour and material cost	8.29	21.97	30.19	19.61	18.53	18.55	13.69

Blank = CV over 200%

0.00 = item not reported

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Northwest Territories, 1997 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
Estimated number of households	0.96	1.52	1.19	0.46	10.96	21.21
Household size	0.33	0.38	0.30	0.36	0.56	0.55
Number of children aged less than 5	4.30	4.42	3.41	3.06	22.70	3.48
Number of children aged 5 to 14 years	3.02	3.05	2.39	2.79	7.62	3.17
Number of youths aged 15 to 19 years	6.13	5.97	4.66	4.73	12.87	9.77
Number of youths aged 20 to 24 years	5.85	5.26	3.73	3.67	18.66	12.65
Number of adults aged 25 to 64 years	0.36	0.39	0.33	0.38	2.77	1.25
Number of seniors aged 65 years and over	0.54	0.67	0.59	0.72	21.19	29.31
Number of part-time earners	2.61	2.67	2.00	2.10	8.30	5.86
Number of full-time earners	1.90	2.54	1.56	1.84	6.73	5.98
Age of reference person	0.53	0.55	0.45	0.44	1.71	1.94
Household income before tax	1.24	1.48	1.18	1.27	4.82	6.78
Other money receipts	17.54	27.58	27.53	15.01	25.09	75.49
Money flows - assets, loans and other debts	35.32	33.38	24.07	26.73	21.52	53.00
Percentage						
Homeowner on December 31	2.15	1.80	1.60	1.75	9.82	14.63
Automobile or truck owners on December 31	1.39	1.07	0.91	1.01	2.16	12.19
One-person households	1.24	1.48	1.50	1.27	2.28	2.96
Husband-wife households	0.88	1.24	0.91	1.00	3.15	1.75
Lone-parent households	2.91	2.45	1.13	1.89	65.86	6.87
With no full-time earner	2.38	3.03	2.45	1.99	10.33	17.11
With one full-time earner	3.80	4.44	2.72	2.85	8.50	9.56
With two or more full-time earners	5.07	6.00	3.90	4.20	18.64	6.10
With wife employed full time	4.48	5.34	3.85	4.39	10.91	6.56
With husband employed full time	2.26	2.72	1.92	2.69	9.91	5.46
With age of reference person:						
Under 25 years	14.72	12.09	12.36	14.57	39.24	35.33
25 to 44 years	2.83	2.70	1.85	2.18	5.42	4.83
45 to 64 years	2.95	3.14	2.53	2.73	7.16	11.93
65 years or older	2.13	2.47	2.41	2.49	23.22	33.38
Total expenditure	1.46	1.46	1.24	1.32	4.00	8.44
Total current consumption	1.47	1.44	0.96	1.22	3.36	7.97
Food	1.27	1.48	1.05	1.17	3.99	1.59
Food purchased from stores	1.07	1.40	1.02	1.10	3.71	1.84
Locally and on day trips	1.08	1.42	1.01	1.10	3.80	2.05
While on trips overnight or longer	8.01	10.23	6.72	6.09	11.97	20.02
Board paid to private households	31.13	31.30	27.50	25.47	34.94	50.41
Board paid by household members including roomers	21.80	46.12	33.35	35.21	60.41	65.38
While on trips overnight or longer	51.54	40.10	46.18	40.69	67.00	44.39
Food purchased from restaurants	3.78	3.64	2.94	2.99	8.54	9.50

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Northwest Territories, 1997 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
Shelter	1.54	1.87	1.52	1.49	4.46	12.65
Principal accommodation	1.65	1.89	1.60	1.51	4.36	13.11
Rented living quarters	5.56	5.67	4.32	3.86	13.32	14.45
Rent	5.58	5.65	4.31	3.88	13.37	14.82
Tenants' maintenance, repairs and alterations	34.67	49.59	21.08	24.55	39.43	50.71
Tenants' insurance premiums	9.05	11.42	9.09	7.35	21.11	19.81
Owned living quarters	3.46	3.54	3.04	2.70	11.23	25.46
Regular mortgage payments	4.87	5.11	3.85	3.41	11.67	27.68
Maintenance, repairs and replacements	8.29	9.35	6.68	9.03	19.64	25.17
Condominium charges	30.92	23.91	16.95	10.51	65.84	47.01
Property taxes	2.89	3.06	2.50	2.65	12.95	19.06
Homeowners' insurance premiums	3.27	2.86	3.20	2.49	11.83	13.50
Other expenditures for owned living quarters	13.45	12.59	16.36	11.84	24.25	34.09
Commissions for sale of real estate	23.34	25.32	18.28	21.22	43.48	52.74
Legal fees related to the dwelling(s)	16.88	14.07	12.91	13.60	30.17	29.60
Mortgage insurance premiums	8.10	10.89	9.27	7.74	21.78	41.75
Other expenses	18.50	13.83	35.24	14.12	50.28	64.80
Appraisals, surveying and mortgage penalties	26.30	19.94	40.33	15.74	74.63	43.36
Transfer taxes and land registration fees	19.64	16.92	15.47	20.65	39.30	84.76
Water, fuel and electricity	1.87	1.62	1.32	1.48	4.85	11.68
Water and sewage	4.46	3.69	3.33	5.09	13.11	17.89
Fuel (e.g., oil, gas)	3.81	2.35	2.33	4.10	10.20	16.77
Electricity	2.99	2.75	2.20	1.83	5.69	7.52
Other accommodation	5.64	6.85	5.66	7.37	12.05	12.09
Owned vacation home	11.58	16.21	12.36	11.81	23.83	24.11
Maintenance, repairs and replacements	29.36	44.14	27.71	27.95	38.88	52.01
Property taxes and sewage charges	11.34	14.03	12.03	12.37	20.22	23.90
Insurance premiums	13.48	18.88	16.38	14.90	28.89	32.14
Electricity, water and fuel	16.02	17.47	22.72	20.20	44.70	31.46
Other expenses for owned vacation home	28.43	38.18	24.73	19.43	61.19	37.87
Traveller accommodation	6.87	6.09	5.68	9.00	12.82	10.50
Hotels and motels	7.03	6.74	6.27	7.34	14.21	9.39
Other accommodation away from home	15.08	15.62	13.40	27.45	26.97	30.93
Household operation	1.83	2.40	1.82	2.01	5.29	8.65
Communications	2.04	2.47	2.19	1.93	5.42	3.63
Telephone	2.01	2.41	2.12	2.09	6.07	3.20
Purchase of telephones and equipment	10.28	11.03	8.30	7.58	30.93	13.39
Telephone services	2.02	2.41	2.15	2.14	6.25	3.17
Telephone service	2.01	2.42	2.16	2.15	6.36	3.20
Installation and repairs	19.81	16.21	13.42	9.38	22.40	9.75
Cellular services	6.35	8.79	7.65	5.49	30.31	21.50
Internet services	10.01	15.33	7.07	6.04	17.85	16.60

Technical Table 2b**Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Northwest Territories, 1997 - REVISED**

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
Postal and other communication services	3.96	4.46	3.63	4.55	8.71	12.82
Child care expenses	9.74	11.70	7.74	11.15	29.68	21.77
Child care outside the home	11.70	13.85	9.07	11.86	36.33	21.11
Day-care centres	13.93	19.91	11.64	13.88	38.29	21.64
Other child care outside the home	24.03	18.11	16.66	24.80	40.82	28.28
Child care in the home	20.80	19.31	16.78	19.65	50.76	37.44
Domestic and other custodial services	12.05	23.95	17.41	13.14	20.59	37.90
Pet expenses	4.77	8.21	6.44	5.76	8.38	12.13
Pet food	5.20	7.97	4.54	4.79	8.18	11.28
Purchase of pets	17.80	27.35	25.74	31.96	30.56	34.75
Purchase of pet related goods	9.15	10.90	6.12	7.93	9.43	13.41
Veterinarian and other services	7.95	10.95	12.57	6.38	14.81	16.45
Household cleaning supplies	2.81	2.46	2.35	2.33	8.59	6.67
Paper, plastic and foil household supplies	2.15	2.24	2.23	2.41	5.18	5.20
Stationery (excluding school supplies)	3.08	3.64	3.12	2.82	9.38	10.97
Other paper and plastic supplies	2.33	2.53	2.43	2.79	6.84	4.56
Garden supplies and services	4.21	3.96	4.70	6.23	8.32	16.75
Nursery and greenhouse stock, cut flowers, and decorative plants	4.72	4.64	3.97	6.16	7.73	17.30
Fertilizers, soil and soil conditioners	5.38	5.64	4.45	9.24	16.41	21.83
Pesticides	6.19	5.34	8.17	9.10	29.86	17.00
Horticultural services, snow and garbage removal	10.94	14.01	11.47	13.58	29.83	40.42
Other household supplies	3.66	4.11	3.05	3.02	11.38	11.78
Other household operation	2.15	2.57	2.88	2.97	6.45	7.92
Household furnishings and equipment	2.97	3.95	3.07	3.59	7.43	11.15
Household furnishings	4.35	6.26	4.89	5.35	9.65	12.42
Furniture	5.71	8.01	6.52	6.28	11.72	11.16
Rugs, mats and underpadding	11.39	18.08	19.65	19.95	33.13	40.10
Window coverings and household textiles	5.32	9.76	7.50	6.87	11.13	15.29
Art, antiques and decorative ware	8.39	11.39	12.02	12.42	11.12	20.81
Works of art, carvings and vases	11.60	15.90	13.99	16.66	16.54	21.85
Antiques	38.32	48.00	51.91	27.63	46.79	43.42
Glass mirrors, and mirror and picture frames	8.83	9.32	7.86	8.37	14.42	22.66
Household equipment	3.91	4.43	3.25	3.70	9.25	10.53
Household appliances	5.76	6.06	4.95	4.14	12.63	12.68
Air conditioning and refrigeration appliances	9.69	10.48	9.41	10.00	15.41	21.88
Room air conditioners, portable humidifiers and dehumidifiers	18.74	29.08	17.31	22.39	43.60	23.59
Refrigerators and freezers	11.19	11.45	10.31	10.57	15.38	27.85
Appliances for cooking and warming food	10.78	11.92	9.33	8.54	19.37	19.91
Cooking stoves and ranges	16.07	19.50	14.17	15.06	30.29	43.19
Microwave and convection ovens	14.09	19.65	11.43	11.03	34.94	32.60
Gas barbecues	12.66	12.78	10.86	11.36	32.15	14.96

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Northwest Territories, 1997 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
Small electric food preparation appliances	6.37	6.26	5.28	6.80	12.49	9.84
Washers and dryers	11.13	10.94	10.51	9.62	28.15	16.33
Other electric equipment and appliances	14.36	11.97	7.84	6.77	14.18	21.53
Vacuum cleaners and other rug cleaning equipment	21.19	17.45	9.83	9.36	18.05	26.97
Portable dishwashers	30.66	43.48	27.46	28.60	38.08	63.74
Sewing machines	27.77	35.49	26.99	26.27	41.67	29.90
Other electric equipment and appliances	7.35	7.89	5.93	6.65	15.00	17.61
Attachments and parts for major appliances	6.18	9.57	5.26	6.59	9.12	16.88
Home and workshop tools and equipment	7.98	12.28	7.72	8.87	13.16	9.45
Power tools and equipment	10.18	17.46	9.21	11.11	13.88	11.31
Other tools	10.73	9.04	11.33	12.36	16.23	17.59
Lawn, garden and snow-removal tools and equipment	12.91	12.73	9.86	12.86	18.73	27.54
Power lawn mowers and garden equipment	22.25	19.35	13.95	19.79	30.13	55.40
Snow-blowers	20.54	22.89	27.72	40.80	100.48	58.39
Other lawn, garden/ and snow removal tools and equipment	9.53	7.43	4.70	6.66	12.62	19.20
Lamps and lampshades	9.94	11.47	9.49	26.86	18.98	16.17
Non-electric kitchen and cooking equipment	5.94	8.19	5.58	6.39	11.74	8.75
Tableware, flatware and knives	11.56	24.85	13.15	11.10	25.67	19.37
Other household equipment and accessories	5.81	5.20	4.87	6.55	12.78	15.54
Non-electric cleaning equipment	4.72	6.47	4.28	4.34	11.69	11.92
Luggage	9.51	10.11	8.45	8.99	27.07	22.84
Home security equipment	15.78	14.50	13.96	16.77	25.91	23.01
Other household equipment, parts and accessories	5.77	6.81	6.17	6.01	23.24	24.39
Maintenance and repairs of furniture and equipment	7.45	7.14	5.38	5.99	14.10	18.52
Furniture, carpeting and household textiles	13.55	11.05	7.07	7.46	14.38	21.70
Major household appliances	8.64	10.19	10.27	8.13	22.60	25.40
Other maintenance and repairs of furniture and equipment	14.14	15.90	10.96	23.32	38.82	37.40
Services related to furnishings and equipment	11.23	19.40	12.47	10.95	19.02	30.66
Rental of heating equipment	43.04	17.77	45.67	60.59	40.10	47.63
Other services related to furnishings and equipment	11.80	26.44	12.75	10.87	17.47	15.52
Clothing	2.27	2.36	2.20	2.28	5.77	8.21
Women's and Girls' wear (4 years and over)	2.85	2.89	2.54	2.83	8.88	8.83
Clothing	3.10	3.28	3.20	3.10	10.06	8.78
Footwear	3.15	2.96	2.48	2.74	9.50	8.38
Accessories	4.49	5.53	4.33	5.00	11.95	11.89
Jewellery and watches	14.70	11.66	8.23	9.00	16.39	7.04
Clothing gifts to non-household members	5.64	7.73	5.26	4.76	8.86	18.49
Men's and Boys' wear (4 years and over)	2.97	3.33	2.75	2.63	4.57	7.88

Technical Table 2b

Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Northwest Territories, 1997 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
Clothing	3.33	3.88	3.46	2.89	5.64	7.52
Footwear	3.02	3.57	2.40	2.83	5.65	7.25
Accessories	6.51	7.05	4.37	4.93	12.06	9.21
Jewellery and watches	24.62	11.91	9.07	15.55	26.41	22.50
Clothing gifts to non-household members	4.25	6.43	4.44	4.91	13.95	15.30
Children's wear (under 4 years)	4.96	5.74	5.42	7.78	22.38	23.09
Clothing and cloth diapers	8.90	11.32	8.00	11.24	36.81	28.58
Footwear	11.03	12.97	11.46	9.65	29.72	25.00
Clothing gifts to non-household members	6.35	6.80	7.32	10.37	14.44	18.21
Clothing material, notions and services	4.20	6.12	3.86	3.78	9.37	13.03
Clothing material (excluding household textiles)	10.50	12.71	8.58	7.94	24.39	19.16
Notions	8.60	8.64	8.00	10.82	18.59	20.12
Services	4.49	7.45	4.16	4.26	11.21	22.00
Dressmaking, tailoring, clothing storage and other clothing services	14.21	16.53	12.21	16.82	39.88	24.15
Laundry and dry-cleaning service	5.61	5.21	4.92	5.61	13.02	17.47
Laundromats and self-service dry cleaning	10.13	24.24	9.15	7.04	24.64	31.45
Maintenance, repair and alteration	7.58	7.16	6.30	6.57	16.43	19.59
Transportation	3.51	4.15	2.85	2.85	5.90	13.82
Private transportation	3.69	4.35	3.09	3.17	7.56	17.07
Purchase of automobiles and trucks	8.10	8.69	7.19	8.09	13.99	38.14
Automobiles	10.32	11.05	8.52	9.49	15.34	33.62
Trucks (including vans)	11.66	11.71	9.28	12.43	16.78	33.03
Separate sale of automobiles and trucks (3)	-20.20	-16.94	-14.77	-22.04	-20.57	-22.25
Purchase of automotive accessories	21.16	18.55	12.18	12.91	18.60	23.18
Rented and leased automobiles and trucks	10.91	13.00	11.87	10.02	19.06	15.95
Rented automobiles and trucks	11.80	14.27	9.91	9.20	14.27	13.26
Automobiles	11.30	16.69	9.96	10.26	13.61	16.30
Rental fees (including insurance and mileage)	12.45	16.81	9.83	10.85	13.09	15.91
Gas and other fuels	13.57	22.44	13.91	10.53	15.89	20.32
Other expenses for rented automobiles	55.26	39.71	28.72	28.25	43.59	36.07
Trucks (including vans)	33.85	29.98	27.62	23.01	41.20	56.31
Rental fees (including insurance and mileage)	32.69	30.96	28.40	23.13	42.86	58.96
Gas and other fuels	51.15	38.63	39.64	26.48	38.64	51.13
Other expenses for rented trucks	95.29	71.92	61.64	57.04	83.69	91.60
Leasing fees for automobiles and trucks	11.65	14.58	13.90	12.94	30.97	20.92
Operation of owned and leased automobiles and trucks	2.18	1.92	1.57	1.87	5.29	12.00
Gasoline and other fuels	3.20	2.49	2.10	2.20	7.73	12.79
Tires, batteries, and other automotive parts and supplies	5.52	5.94	4.34	12.91	6.72	14.10
Maintenance and repair	4.55	5.34	4.35	4.07	7.27	16.17
Garage rent and parking	6.70	8.45	7.62	8.08	19.65	11.71

Technical Table 2b

Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Northwest Territories, 1997 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
At dwelling (not included in rent)	18.85	32.94	23.95	18.82	0.00	37.83
Parking away from home	7.20	8.75	7.88	8.49	19.65	13.35
Driving lessons	23.03	50.09	16.90	15.19	79.19	35.38
Drivers' licences and tests	4.75	5.78	10.79	6.42	24.45	16.08
Private and public vehicle insurance premiums	3.95	7.40	1.91	3.40	6.49	13.60
Registration fees and licences (including insurance if part of registration)	6.72	2.29	3.38	5.73	19.62	12.79
Other automobile and truck operation services	5.38	8.23	9.04	4.44	15.55	33.46
Public transportation	5.42	7.75	4.06	4.44	9.98	11.38
City or commuter bus, subway, street car and commuter train	6.32	11.61	5.42	6.29	21.27	35.80
Taxi	11.98	11.36	7.88	9.44	21.86	19.95
Airplane	9.27	10.77	5.72	6.62	11.77	10.50
Train	27.12	60.69	32.57	21.40	40.40	57.60
Highway bus	17.01	11.34	9.62	14.80	29.72	19.99
Other passenger transportation	13.27	14.39	9.10	6.39	20.32	24.17
Household moving, storage and delivery services	22.46	21.91	14.63	13.49	40.71	22.47
Health care	8.35	3.55	2.14	2.56	6.74	10.33
Direct costs to household	10.29	3.99	3.24	3.36	6.67	11.01
Health care supplies	18.25	15.25	14.31	16.57	30.50	25.37
Medicinal and pharmaceutical products	4.25	4.01	4.92	3.60	9.51	14.23
Prescribed	5.65	4.97	6.81	5.05	13.35	12.85
Other medicines and pharmaceutical products	4.10	6.30	6.53	4.92	8.03	16.92
Physicians' care	42.19	44.33	31.09	23.72	43.44	69.80
Eye-care goods and services	4.29	6.40	4.65	5.27	12.09	14.75
Prescription eye wear	4.40	5.54	3.93	4.42	13.12	11.03
Other eye care goods	8.44	8.82	6.17	7.50	13.12	18.58
Eye care services (e.g., surgery, exams)	16.60	23.76	20.37	33.97	32.29	42.71
Dental services	7.17	7.67	6.12	6.38	12.03	13.42
Hospital and other health care services	45.99	18.66	11.60	12.95	14.68	30.50
Hospital care	80.15	40.82	52.57	36.85	90.35	98.83
Other health care services	20.85	19.91	7.56	14.04	14.70	13.54
Other health care practitioners	9.66	11.60	8.50	16.98	10.16	16.83
Other medical services	46.20	37.02	13.48	21.79	50.58	31.55
Health insurance premiums	6.19	5.74	2.58	3.18	14.42	14.48
Public hospital, medical and drug plans	28.20	28.79	2.63	2.91	25.34	39.24
Private health insurance plans	6.36	5.87	4.88	6.20	17.12	18.72
Private health care plans (e.g., supplementary coverage, extended benefit packages, drug plans)	6.15	6.86	5.66	9.56	14.33	24.27
Dental plans	15.02	20.10	8.45	11.62	48.67	37.10
Accident and disability insurance	15.32	9.77	8.59	9.57	28.42	21.76
Personal care	2.22	2.29	1.92	2.00	5.60	8.63

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Northwest Territories, 1997 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
Personal care supplies and equipment	3.06	2.83	2.51	2.53	6.81	9.21
Personal care preparations	3.53	3.23	2.65	2.81	4.88	9.06
Disposable diapers	9.69	10.96	8.79	7.92	25.58	9.25
Electric hair-styling and personal care appliances	8.00	7.35	5.06	7.67	16.45	18.97
Other personal care supplies and equipment	4.89	5.53	4.34	4.67	8.69	14.22
Hair grooming and other personal care services	2.72	2.90	2.38	2.48	6.90	8.91
Hair grooming services	2.64	2.79	2.22	2.28	6.85	9.45
Personal care services	11.74	13.12	9.34	11.84	26.58	8.49
Recreation	3.53	4.06	3.18	3.68	6.10	8.76
Recreation equipment and associated services	4.17	3.93	3.02	3.76	5.73	11.37
Sports and athletic equipment	6.64	8.13	5.26	7.55	12.21	15.11
Playground equipment, above-ground pools and accessories	38.07	19.91	21.74	50.50	35.34	53.33
Toys, games and hobby equipment	6.20	6.86	4.33	4.65	8.13	15.33
Toys and children's vehicles	3.97	5.79	4.97	5.03	8.21	19.76
Games and hobby equipment	7.93	8.87	5.30	5.38	9.56	14.97
Electronic games and parts	11.63	8.55	7.25	9.29	16.04	13.10
Video game rental	14.49	12.25	11.61	8.95	17.06	35.28
Artists' materials, handicraft and hobbycraft kits and materials	8.16	10.67	6.78	8.83	14.35	31.50
Computer equipment and supplies	9.58	11.51	6.76	6.40	11.74	15.97
Computer hardware	10.59	12.49	7.40	7.08	11.74	16.64
New	11.96	13.68	7.98	7.52	12.23	16.91
Used	19.50	25.58	17.11	17.06	45.18	57.30
Computer software	14.01	11.90	9.97	8.60	25.08	20.69
Computer supplies and other equipment	8.88	12.33	8.09	7.90	21.03	21.97
Photographic goods and services	4.91	5.02	3.31	4.83	7.70	9.26
Cameras and accessories	12.76	13.90	9.94	13.71	17.44	11.34
Films and processing	5.39	3.79	3.12	3.45	9.07	11.62
Photographers' and other photographic services	11.52	10.32	8.66	12.10	16.81	17.90
Musical instruments, parts and accessories	34.84	23.80	17.79	29.14	23.62	39.78
Collectors' items (e.g., stamps, coins)	15.05	40.81	35.45	37.70	29.12	42.77
Camping, picnic equipment and accessories (excluding BBQ's)	11.57	10.58	14.65	7.88	12.48	10.99
Supplies and parts for recreational equipment	10.01	8.18	9.38	9.26	14.90	14.36
Rental, maintenance and repairs of equipment	22.90	18.05	12.32	12.29	27.23	37.19
Recreation vehicles and associated services	14.16	16.63	12.64	15.35	27.68	16.73
Purchase of recreation vehicles	19.43	21.05	15.40	21.91	57.52	26.05
Bicycles, parts and accessories	16.27	15.92	8.51	14.32	20.96	25.56
Other recreational vehicles and outboard motors	20.66	22.32	16.52	24.36	68.76	27.07
Travel trailers	33.97	44.04	25.03	40.52	135.09	98.50
Tent trailers	81.58	77.62	34.13	90.31	98.01	0.00
Motorcycles	48.44	101.00	40.37	43.74	56.83	74.43

Technical Table 2b**Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Northwest Territories, 1997 - REVISED**

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
Snowmobiles	24.78	29.89	49.19	49.32	49.42	16.10
Motor homes	91.93	131.44	57.60	56.00	-105.36	0.00
Truck campers	62.77	71.08	119.96	38.94	66.80	68.07
Boats	90.52	52.67	44.73	42.43	-847.86	34.66
Outboard motors and personal watercraft	64.05	53.92	51.86	44.20	238.44	63.86
Other recreation vehicle purchases	999.00	100.44	25.51	999.00	73.34	99.19
Operation of recreational vehicles	7.84	19.12	8.58	10.30	13.66	13.28
Bicycle maintenance and repairs	14.92	36.33	12.09	19.67	21.31	24.57
Expenses for rented and leased recreational vehicles	26.07	36.16	29.44	26.68	79.78	50.98
Other recreational vehicle operation	8.17	19.76	9.18	11.00	12.05	13.58
Gasoline and other fuels	9.44	12.24	12.50	13.57	20.81	24.13
Supplies and parts	11.41	20.99	13.82	19.95	14.49	13.05
Maintenance and repair jobs	24.45	54.48	19.09	20.27	23.90	37.20
Insurance premiums	10.27	14.55	8.98	9.86	14.36	11.38
Registration fees and licences	18.25	14.79	14.92	19.20	19.71	21.22
Other expenses for operation of recreational vehicles	26.76	29.69	19.79	18.64	39.12	20.54
Home entertainment equipment and services	3.55	4.19	3.64	5.50	9.03	8.40
Equipment	4.15	5.07	4.41	6.81	11.22	8.38
Audio (e.g., radio, CD players, speakers)	8.08	12.20	10.93	12.12	21.57	16.11
Compact discs, tapes, videos and video discs	5.56	6.26	4.13	4.57	14.70	15.47
Blank audio and video tapes	6.61	8.94	5.80	7.40	23.68	5.95
Televisions, VCRs, camcorders and other television/video component	7.02	9.31	6.64	10.82	14.22	7.65
Other home entertainment equipment	19.75	19.42	15.90	17.68	24.15	25.91
Services	6.39	4.45	3.38	3.67	6.62	11.11
Rental of videotapes and video discs	6.05	4.54	3.55	3.90	8.50	9.19
Rental of home entertainment equipment and other services	45.62	40.95	30.89	54.79	78.25	61.82
Maintenance and repair of home entertainment equipment	12.35	11.85	8.36	7.96	36.63	18.11
Recreation services	3.77	3.40	3.61	3.70	5.62	7.95
Entertainment	3.02	2.82	2.17	1.89	4.73	4.71
Movie theatres	6.05	5.94	3.65	4.13	15.72	22.19
Live sports events	7.89	7.56	9.17	9.01	16.77	22.05
Live performing arts	6.20	5.93	5.27	5.11	22.71	22.79
Admission to museums and other activities	11.93	10.49	5.74	6.56	18.37	22.93
Rental of cablevision and satellite services	2.76	3.18	2.24	1.85	10.99	2.98
Use of recreation facilities	5.81	5.56	5.33	5.02	8.01	17.67
Membership fees for sports and recreation facilities	7.52	7.53	6.57	6.54	10.85	17.61
Single use fees for sports and recreation facilities	7.74	9.01	7.10	7.22	16.79	15.46
Sports activities, sports and recreation centre, and health clubs	9.12	10.70	8.13	8.01	18.82	10.36
Video, pinball and carnival games	11.43	15.44	9.05	8.80	44.66	36.23

Technical Table 2b

Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Northwest Territories, 1997 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
Children's camps	14.85	14.39	14.74	12.32	27.83	60.33
Package travel tours	13.33	14.99	12.82	11.11	26.27	14.05
Other recreational services	8.16	10.67	9.45	8.58	17.91	20.54
Reading materials and other printed matter	3.16	3.27	2.87	3.08	5.74	12.78
Newspapers	3.08	3.31	3.38	4.08	13.43	16.39
Magazines and periodicals	5.79	4.68	3.51	3.62	8.06	10.86
Books and pamphlets (excluding school books)	5.86	6.84	6.20	5.48	8.29	13.66
Maps, sheet music and other printed matter	11.38	10.57	8.16	9.46	23.04	31.02
Services related to reading materials (e.g., duplicating, library fees)	11.11	9.92	12.59	16.71	20.13	23.25
Education	6.81	11.38	5.32	6.79	16.70	14.46
Supplies	6.23	12.99	5.71	7.85	14.05	16.72
Kindergarten, nursery, elementary and secondary	5.02	5.41	5.57	5.74	13.75	17.93
Post-secondary	16.64	29.86	11.39	15.03	38.96	53.29
Textbooks	11.57	10.79	7.22	9.55	22.11	22.78
Kindergarten, nursery, elementary and secondary	32.34	14.95	12.95	17.00	63.28	60.39
Post-secondary	11.98	11.45	8.24	10.04	22.67	22.75
Tuition fees	8.60	15.72	6.02	8.65	24.80	19.19
Kindergarten, nursery, elementary and secondary	24.20	10.46	11.78	23.76	57.17	32.85
Post-secondary	9.21	16.60	6.92	9.11	23.28	20.43
Other courses and lessons (excluding driving)	12.54	12.25	10.61	8.31	26.05	36.89
Other educational services	33.44	47.22	23.65	37.60	71.56	47.69
Tobacco products and alcoholic beverages	3.90	4.45	3.46	3.35	6.52	5.56
Tobacco products and smokers' supplies	5.32	4.96	4.43	4.89	8.74	11.31
Cigarettes, cigars and tobacco	5.37	5.04	4.41	4.93	8.79	11.30
Matches and other smokers' supplies	11.34	15.91	10.72	11.54	9.23	16.32
Alcoholic beverages	4.95	6.59	4.56	4.20	9.13	16.35
Served on licensed premises	7.43	10.53	8.35	7.27	15.83	23.34
Purchased from stores	5.06	6.73	3.64	4.30	7.93	13.05
Self-made alcoholic beverages	14.63	14.57	10.31	10.04	17.14	14.85
Games of chance (net)	9.20	7.98	7.66	6.67	16.96	18.37
Government-run lotteries	6.05	6.44	4.84	7.04	15.64	16.44
Casinos, slot machines, and video lottery terminals	15.17	12.74	13.39	22.03	21.34	32.28
Bingos	15.72	19.63	16.21	20.09	31.57	32.34
Non-government lotteries and raffle tickets	6.63	11.28	6.82	9.22	12.03	20.82
Winnings from games of chance	-14.25	-12.05	-9.44	-19.05	-25.62	-30.52
Miscellaneous expenditures	6.96	13.90	6.12	8.25	7.96	14.24
Expenses on other property owned	22.64	27.49	13.11	16.01	44.70	35.33

Technical Table 2b**Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Northwest Territories, 1997 - REVISED**

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
Legal services not related to dwellings	26.86	61.05	15.42	24.73	32.81	29.29
Financial services	10.25	5.41	13.13	6.83	6.86	18.89
Service charges from banks	4.98	3.83	3.06	4.40	9.24	13.23
Stock and bond commissions	20.86	30.76	20.86	16.24	40.28	43.19
Administration fees	15.33	30.10	62.92	23.84	24.07	37.02
Other financial services	20.61	6.92	7.37	7.39	11.20	21.65
Dues to unions and professional associations	4.93	5.80	6.34	6.87	12.00	13.25
Contributions and dues for social clubs and other organizations	9.82	9.36	7.75	8.60	17.09	21.22
Forfeit of deposits, fines, and money lost or stolen	20.88	19.11	12.89	44.36	23.76	24.69
Tools and equipment purchased for work	21.76	18.21	18.63	13.52	31.30	23.30
Other miscellaneous goods and services	23.95	21.54	13.69	31.06	29.40	28.80
Goods	46.06	33.32	16.63	51.27	46.95	41.82
Services	24.07	26.10	22.71	24.28	40.91	44.62
Personal taxes	2.70	3.83	2.75	2.63	6.71	8.35
Income tax on reference year income	2.48	3.31	1.80	2.22	6.42	8.31
Income tax on income received before reference year	11.84	12.66	15.07	17.81	21.15	25.65
Other personal taxes	56.52	64.05	97.57	48.47	101.41	29.24
Tax refunds	-4.36	-6.60	-5.43	-4.72	-8.42	-11.23
Personal insurance payments and pension contributions	6.49	4.90	5.67	2.16	6.79	8.67
Life insurance premiums	7.01	8.81	6.13	9.28	13.45	15.52
Annuity contracts and transfers to RRIFs	42.34	45.71	47.85	49.83	52.72	84.66
Employment insurance premiums	0.75	1.01	0.73	0.69	3.93	7.59
Retirement and pension fund payments	2.78	2.72	2.96	2.94	8.98	9.31
Canada and Quebec pension plan	1.69	1.99	1.11	1.34	4.16	5.38
Other government pension funds	8.28	9.04	12.22	8.28	15.44	18.21
Other retirement or pension funds (excluding RRSP)	7.72	8.80	8.70	11.52	30.22	16.98
Gifts of money and contributions	7.24	10.55	14.20	8.47	13.02	19.63
Money and support payments	10.60	15.92	20.31	9.44	18.55	23.29
Gifts of money and other support payments to persons living inside Canada	11.36	16.62	21.49	10.10	20.73	25.02
Gifts of money and other support payments to persons living outside Canada	26.10	36.98	15.03	24.27	27.75	54.10
Contributions to charity	7.91	8.49	8.21	13.69	19.73	13.30
Religious organizations	10.37	9.92	11.64	9.97	29.11	28.09
Non-religious charitable organizations	6.54	11.99	7.69	29.15	19.12	16.52
Registered retirement savings plans	29.38	13.90	15.80	8.04	13.12	9.10
Additions, renovations and alterations: contract, labour and material cost	13.18	22.64	11.35	15.46	31.26	35.24

Technical Table 2b**Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Northwest Territories, 1997 - REVISED**

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.
New installations of equipment and fixtures: contract, labour and material cost	19.26	20.59	13.99	18.59	45.47	47.63

Blank = CV over 200%

0.00 = item not reported