

# **1998 Survey of Household Spending**

## **PUBLIC-USE MICRODATA FILE**

### **Users' Guide**

**Income Statistics Division  
Statistics Canada**

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**July 2000**

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# INTRODUCTION

## General Information

This public-use microdata file presents the data of the 1998 Survey of Household Spending conducted in January through March 1999. Information about the spending habits, dwelling characteristics and household equipment of Canadian households during 1998 was obtained by asking people in the ten provinces and three territories to recall their expenditures for the previous calendar year (spending habits) or as of December 31<sup>st</sup> (dwelling characteristics and household equipment).

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.
- Data Dictionary (variable specifications and other information).
- Technical Information (Information about survey methodology, data quality, and guidelines for tabulation, analysis, and dissemination).
- Appendix A presents the frequency counts for non-dollar variables in the public-use microdata file. They are included to help you verify your tabulations.
- 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.
- 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 1997 SHS public-use microdata file and shows the changes.
- Appendix E presents the coefficients of variation for published data from the 1998 SHS.

## 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 the Survey of Household Spending, contact Client Services (613-951-7355; 1-888-297-7355; fax 613-951-3012; [income@statcan.ca](mailto:income@statcan.ca)), Income Statistics Division.

## Technical characteristics of the file

**Content:** Household spending, dwelling characteristics, and household equipment, 1998

**Source:** Survey of Household Spending, 1998  
**Income Statistics Division**  
Statistics Canada

**Data Set Definition:**

**DATA SET NAME** ..... SHS98V1.TXT

**NUMBER OF RECORDS** ..... 15,457

**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

# RECORD LAYOUT OF SHS98V1.TXT

Field	Size	Decimal Places	Position	Type*	Description	Variable Name
<b>LOCATION</b>						
1	5	0	1 - 5	c	Identification number	CASEID
2	5	0	6 - 10	n	Weight at household level	WEIGHT
3	1	0	11 - 11	c	Full-year/part-year household indicator	FYPYFLAG
4	2	0	12 - 13	c	Province/Territory	PROVINCE
5	1	0	14 - 14	c	Urban/rural region code	URBRUR
6	1	0	15 - 15	c	Size of area of residence code	URBSIZE
<b>DWELLING</b>						
7	1	0	16 - 16	c	Type of dwelling occupied at December 31	TYPDWEL
8	1	0	17 - 17	c	Period of construction of dwelling	YEARBUIL
9	2	0	18 - 19	n	Number of rooms	NUMRM
10	1	0	20 - 20	n	Number of bedrooms	NUMBEDRM
11	1	0	21 - 21	n	Number of bathrooms	NUMBTHRM
12	1	0	22 - 22	c	Dwelling tenure during reference year	TENUREYR
13	1	0	23 - 23	c	Dwelling tenure at December 31	TENDEC31
14	11	2	24 - 34	n	Purchase price of home bought in reference year	PURPRICE
15	11	2	35 - 45	n	Selling price of home sold in reference year	SELPRICE
16	1		46 - 46	c	Dwelling repairs needed	REPAIRS
17	11	2	47 - 57	n	Additions, renovations and alterations	ADRENALT
18	11	2	58 - 68	n	New installations of equipment and fixtures	NEWINST
19	1	0	69 - 69	c	Year household moved to the dwelling occupied at December 31	YRMOVED
20	1	0	70 - 70	c	Household purchased home in reference year	BUYHMFGL
21	1	0	71 - 71	c	Principal heating equipment	HEATMAIN
22	1	0	72 - 72	c	Age of principal heating equipment	HEATAGE
23	1	0	73 - 73	c	Principal heating fuel	HEATFUEL
24	1	0	74 - 74	c	Principal heating fuel for hot water	HOTWATER
25	1	0	75 - 75	c	Principal cooking fuel	COOKING
26	1	0	76 - 76	c	Reduced rent reason	REDURENT
<b>CHARACTERISTICS OF REFERENCE PERSON</b>						
27	11	2	77 - 87	n	Income before taxes	RPINCTOT
28	11	2	88 - 98	n	Income from earnings	RPINCEAR
29	11	2	99 - 109	n	Income from investment	RPINCINV
30	11	2	110 - 120	n	Income from government transfer payments	RPINCTRA
31	11	2	121 - 131	n	Income from other sources	RPINCOTH
32	1	0	132 - 132	c	Marital status	RPMAR
33	2	0	133 - 134	n	Age	RPAGE
34	2	0	135 - 136	c	Age Group	RPAGEGRP
35	1	0	137 - 137	c	Sex	RPSEX
36	2	0	138 - 139	n	Number of weeks worked full-time	RPWEEKFT
37	2	0	140 - 141	n	Number of weeks worked part-time	RPWEEKPT
38	1	0	142 - 142	c	Tenure of previous dwelling	RPPREVDW
<b>CHARACTERISTICS OF SPOUSE OF REFERENCE PERSON</b>						
39	11	2	143 - 153	n	Income before taxes	SPINCTOT
40	11	2	154 - 164	n	Income from earnings	SPINCEAR
41	11	2	165 - 175	n	Income from investment	SPINCINV
42	11	2	176 - 186	n	Income from government transfer payments	SPINCTRA
43	11	2	187 - 197	n	Income from other sources	SPINCOTH
44	2	0	198 - 199	n	Age	SPAGE
45	2	0	200 - 201	c	Age Group	SPAGEGRP
46	1	0	202 - 202	c	Sex	SPSEX
47	2	0	203 - 204	n	Number of weeks worked full-time	SPWEEKFT
48	2	0	205 - 206	n	Number weeks worked part-time	SPWEEKPT
49	1	0	207 - 207	c	Tenure of previous dwelling	SPPREVDW
<b>HOUSEHOLD DESCRIPTION</b>						
50	1	0	208 - 208	n	Number of economic families in household	ECFAM
51	1	0	209 - 209	c	Household type	HHTYPE
52	2	0	210 - 211	n	Household size at December 31	HHSZD31
53	1	0	212 - 212	n	Number of males 0 to 4 (December 31)	MA04D31
54	1	0	213 - 213	n	Number of females 0 to 4 (December 31)	FE04D31



Field	Size	Decimal Places	Position	Type*	Description	Variable Name
55	1	0	214 - 214	n	Number of males 5 to 17 (December 31)	MA517D31
56	1	0	215 - 215	n	Number of females 5 to 17 (December 31)	FE517D31
57	1	0	216 - 216	n	Number of youths 18 to 24 (December 31)	Y1824D31
58	1	0	217 - 217	n	Number of adults 25 to 64 years (December 31)	A2564D31
59	1	0	218 - 218	n	Number of seniors 65 years or more (December 31)	SE65D31
60	2	0	219 - 220	n	Household size (number of persons a member sometime in reference year)	HHSZTOT
61	2	0	221 - 222	n	Age of youngest child (member sometime during reference year)	AGEYOUNG
62	3	0	223 - 225	n	Total number of weeks (sum for all household members)	NUMWKS
63	1	0	226 - 226	n	Number of full-time earners	NUMFT
64	1	0	227 - 227	n	Number of part-time earners	NUMPT
65	1	0	228 - 228	c	Household major source of income	MAJINCSC
66	11	2	229 - 239	n	Household income before taxes	HHINCTOT
67	11	2	240 - 250	n	Household income from earnings	HHINCEAR
68	11	2	251 - 261	n	Household income from investment	HHINCINV
69	11	2	262 - 272	n	Household income from government transfer payments	HHINCTRA
70	11	2	273 - 283	n	Household income from other sources	HHINCOTH
71	11	2	284 - 294	n	Total other money receipts	OTHMONRE
72	11	2	295 - 305	n	Money flows (assets, loans and other debts)	MONFLOWS
73	11	2	306 - 316	n	Registered Retirement Savings Plan (RRSP) change	RRSPCHNG
74	1	0	317 - 317	c	Employment insurance benefit (EI) indicator	EIFLAG
<b>HOUSEHOLD EQUIPMENT (AT DECEMBER 31)</b>						
75	1	0	318 - 318	c	Washing machine	WASHER
76	1	0	319 - 319	c	Clothes dryer	DRYER
77	1	0	320 - 320	c	Dishwasher	DSHWASH
78	1	0	321 - 321	n	Number of refrigerators	NUMFRIDG
79	1	0	322 - 322	c	Freezer	FREEZER
80	1	0	323 - 323	c	Microwave oven	MICROWV
81	1	0	324 - 324	c	Air conditioner	AIRCON
82	1	0	325 - 325	n	Number of telephones	NUMPHON
83	1	0	326 - 326	n	Number of telephone numbers	NUMPHNUM
84	1	0	327 - 327	c	Cellular telephone	CELLPHON
85	1	0	328 - 328	c	Compact disc player	CDPLYER
86	1	0	329 - 329	c	Cablevision	CABLETV
87	1	0	330 - 330	n	Number of video cassette recorders	NUMVCR
88	1	0	331 - 331	c	Home computer	COMPUTER
89	1	0	332 - 332	c	Modem	MODEM
90	1	0	333 - 333	c	Internet use from home	INTERNET
91	1	0	334 - 334	n	Number of colour televisions	NUMCOLTV
92	1	0	335 - 335	n	Number of vehicles owned on December 31	NUMVEHON
93	1	0	336 - 336	n	Vehicles leased on December 31	VEHLEASD
<b>EXPENDITURES</b>						
<b>FOOD</b>						
94	11	2	337 - 347	n	Food	F001
95	11	2	348 - 358	n	Food purchased from stores	F002
96	11	2	359 - 369	n	Food purchased from restaurants	F008
<b>SHELTER</b>						
97	11	2	370 - 380	n	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 fuel (eg. 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

Field	Size	Decimal Places	Position	Type*	Description	Variable Name
					<b>HOUSEHOLD OPERATION</b>	
114	11	2	557 - 567	n	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 and equipment	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 services	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	H026
					<b>HOUSEHOLD FURNISHINGS AND EQUIPMENT</b>	
128	11	2	711 - 721	n	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
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	I027TOT
137	11	2	810 - 820	n	Maintenance and repairs of furniture and equipment	I042
138	11	2	821 - 831	n	Services related to furnishings and equipment	I046
					<b>CLOTHING</b>	
139	11	2	832 - 842	n	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	J019TOT
147	11	2	920 - 930	n	Clothing services	J021
148	11	2	931 - 941	n	Laundry and dry-cleaning service, laundromats and self-service dry-cleaning	J023TOT
					<b>TRANSPORTATION</b>	
149	11	2	942 - 952	n	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	Purchase of automotive accessories	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	Maintenance and repair	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	K032TOT
161	11	2	1074 - 1084	n	Inter-city transportation	K034TOT
162	11	2	1085 - 1095	n	Other passenger transportation	K037
163	11	2	1096 - 1106	n	Household moving, storage and delivery services	K038
					<b>HEALTH CARE</b>	
164	11	2	1107 - 1117	n	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 and pharmaceutical products	L106
170	11	2	1173 - 1183	n	Physicians' care	L107

Field	Size	Decimal Places	Position	Type*	Description	Variable Name
171	11	2	1184 - 1194	n	Eye-care goods and services	L108
172	11	2	1195 - 1205	n	Dental services	L112
173	11	2	1206 - 1216	n	Blank Field	
174	11	2	1217 - 1227	n	Hospital care	L114
175	11	2	1228 - 1238	n	Blank Field	
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 plans	L119
180	11	2	1283 - 1293	n	Private health insurance plans	L120
					<b>PERSONAL CARE</b>	
181	11	2	1294 - 1304	n	Personal care	L201
182	11	2	1305 - 1315	n	Personal care supplies and equipment	L202
183	11	2	1316 - 1326	n	Personal care services	L207
					<b>RECREATION</b>	
184	11	2	1327 - 1337	n	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, electronic games and art/hobby materials	M106TOT
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	Other recreational 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	M142TOT
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 (eg. radio, CD player, speaker)	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	Televisions, VCRs, camcorders and other television/video component	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 for sports and recreation facilities	M167
213	11	2	1646 - 1656	n	Single use fees for sports and recreation facilities	M169
214	11	2	1657 - 1667	n	Children's camps	M171
215	11	2	1668 - 1678	n	Admission to museums and other activities	M164
216	11	2	1679 - 1689	n	Package travel tours	M172
217	11	2	1690 - 1700	n	Other recreational services	M173
					<b>READING MATERIALS AND OTHER PRINTED MATTER</b>	
218	11	2	1701 - 1711	n	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
					<b>EDUCATION</b>	
222	11	2	1745 - 1755	n	Education	M301
223	11	2	1756 - 1766	n	Education supplies and textbooks	M302TOT
224	11	2	1767 - 1777	n	Tuition fees	M308
					<b>TOBACCO PRODUCTS AND ALCOHOLIC BEVERAGES</b>	
225	11	2	1778 - 1788	n	Tobacco products and alcoholic beverages	N101
226	11	2	1789 - 1799	n	Tobacco products and smokers' supplies	N102

Field	Size	Decimal Places	Position	Type*	Description	Variable Name
227	11	2	1800 - 1810	n	Cigarettes, cigars and tobacco	N103
228	11	2	1811 - 1821	n	Alcoholic beverages	N105
229	11	2	1822 - 1832	n	Served on licensed premises	N106
230	11	2	1833 - 1843	n	Purchased from stores	N107
231	11	2	1844 - 1854	n	Self-made alcoholic beverages	N108
<b>OTHER EXPENSES</b>						
232	11	2	1855 - 1865	n	Miscellaneous expenditures	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 (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	O302TOT
239	11	2	1932 - 1942	n	Employment insurance premiums	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 pension funds	O307
243	11	2	1976 - 1986	n	Other retirement or pension funds (excluding RRSP)	O308
244	11	2	1987 - 1997	n	Gifts of money and contributions	O401
245	11	2	1998 - 2008	n	Gifts of money and other support payments to persons living inside Canada	O403
246	11	2	2009 - 2019	n	Gifts of money and other support payments to persons living outside Canada	O404
247	11	2	2020 - 2030	n	Contributions to religious organizations	O406
248	11	2	2031 - 2041	n	Contributions to non-religious charitable organizations	O407
249	11	2	2042 - 2052	n	Total current consumption	TOTCUCON
250	11	2	2053 - 2063	n	Total expenditure	TOTEXPEN

\* n = numeric  
c = character

# DATA DICTIONARY

## Location

Variable Name: **CASEID**  
Unit Type: Character  
Description: Identification number

Internal identification that links all database observations at the survey's "household" level.

---

Variable Name: **WEIGHT**  
Unit Type: Numeric  
Description: Weight at household level

---

Variable Name: **FYPYFLAG**  
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**  
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	Yukon/NWT/Nunavut

---

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

Code	Description
0	Masked records
1	Urban
2	Rural

Note: In the public-use file, the masked records are those from Prince Edward Island.

---

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

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

Note: In the public-use file the masked records are all records from Prince Edward Island and the urban records from Newfoundland and Manitoba.

---

## Dwelling

Variable Name: **TYPDWEL**  
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.

A single detached dwelling contains only one dwelling unit and is completely separated by open space on all sides from any other structure, except its own garage or shed.

The classification "apartment" includes duplexes (two dwellings, situated one above the other), triplexes, fourplexes or apartment buildings.

Other dwellings include motor homes, tents, railroad cars or houseboats which are used as permanent residences and are capable of being moved on short notice.

Variable Name: **YEARBUIL**  
Unit Type: Code  
Description: Period of construction of dwelling

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: **NUMRM**  
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: **NUMBEDRM**  
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: **NUMBTHRM**  
 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: **TENUREYR**  
 Unit Type: Code  
 Description: Dwelling tenure during reference year

Dwelling tenure = Code 1 (Owned 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 (Owned 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 (Rented or occupied rent free)  
 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	Owned without mortgage during the reference year
2	Owned with mortgage during the reference year
3	Rented or occupied free during the reference year
4	Mixed tenure during the reference year

Note: Owned with mortgage indicates that the dwelling was owned by a household member for the entire reference year and that there was a mortgage as of December 31.

Owned without mortgage indicates that the dwelling was owned by a household member for the entire reference year and that there was no mortgage as of December 31.

Rented or occupied rent-free indicates that the dwelling was rented or occupied rent free by a household member for the entire reference year.

Mixed tenure includes those households that both owned and rented during the reference year.

---

Variable Name: **TENDEC31**  
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 on December 31
2	Owned with mortgage on December 31
3	Rented or occupied rent-free on December 31

Note: Owned with mortgage indicates that, on December 31, the dwelling was owned by a household member and that there was a mortgage.

Owned without mortgage indicates that, on December 31, the dwelling was owned by a household member and that there was no mortgage.

Rented or occupied rent-free indicates that on December 31, the dwelling was rented or occupied rent-free by a household member.

---

Variable Name: **PURPRICE**  
Unit Type: Dollar (\$)  
Description: Purchase price of home bought in reference year

SHS\_F:003

---

Variable Name: **SELPRICE**  
Unit Type: Dollar (\$)  
Description: Selling price of home sold in reference year

SHS\_F:006

---

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

SHS\_H:002 + SHS\_H:004 + SHS\_H:006

---

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

SHS\_H:009 + SHS\_H:012 + SHS\_H:015

---

Variable Name: **YRMOVED**  
Unit Type: Code  
Description: Year household moved to the dwelling occupied at December 31

SHS\_D:002

Code	Description
1	Before 1970
2	1970 - 1979
3	1980 - 1989
4	1990 – 1997
5	1998

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: **BUYHMFLG**  
Unit Type: Code  
Description: Household purchased home in reference year

SHS\_F:001

Code	Description
0	No
1	Yes

---

Variable Name: **HEATMAIN**  
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 =05)

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 which 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.

Hot air furnace and other 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 localised 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 electric furnaces and also permanently installed baseboard electric heating and other types such as floor or ceiling heating wires in all or most rooms.

---

Variable Name: **HEATAGE**  
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: **HEATFUEL**  
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: **HOTWATER**  
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, 23, 24, or 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: **COOKING**  
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, oil or other liquid fuel, bottled gas, and wood).

---

Variable Name: **REDURENT**  
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: **RPINCTOT**  
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)

Note: Includes income for reference person from earnings, investment, government transfer payments and other sources.

---

Variable Name: **RPINCEAR**  
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)

Note: Includes income for reference person from wages and salaries, net income from self-employment, and gross income from roomers and boarders.

---

Variable Name: **RPINCINV**  
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)

Note: Includes investment income for reference person from dividends, interest, and other investment income such as net rental income or interest received from loans or mortgages.

Variable Name: **RPINCTRA**

Unit Type: Dollar (\$)

Description: Income of reference person from government transfer payments

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)

Note: Includes income for reference person from Child Tax Benefits, Old Age Security Pension, Guaranteed Income Supplement, Spouse's Allowance, Canada Pension Plan Benefits or Quebec Pension Plan Benefits, Employment Insurance Benefits, Goods and Services Tax Credit, Provincial Tax Credits, Social Assistance, Provincial Income Supplements, Workers' Compensation Benefits, Veterans' Pensions Civilian War Pensions and Allowances, and Other Income from Government Sources.

Variable Name: **RPINCOTH**

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)

Note: Includes income for reference person from retirement pensions, superannuation, annuities, RRIF withdrawals, and other income such as alimony, child support, retirement allowance, scholarships, and income from outside Canada.

Variable Name: **RPMAR**

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, or widowed)

Variable Name: **RPAGE**

Unit Type: Count

Description: Age of reference person

SHS\_A:003

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

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

SHS\_A:004

Code	Description
1	Male
2	Female

---

Variable Name: **RPWEEKFT**  
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: **RPWEEKPT**  
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: **RPPREVDW**  
Unit Type: Code  
Description: Tenure of previous dwelling of reference person

SHS\_D:003

Code	Description
1	Before 1993
2	Owned
3	Rented
4	Did not maintain own dwelling

Note: Those households that moved to their dwelling before 1993 were not asked this question.

---

## Characteristics of Spouse of Reference Person

Variable Name: **SPINCTOT**  
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)

Note: Includes income for spouse of reference person from earnings, investment, government transfer payments and other sources.

---

Variable Name: **SPINCEAR**  
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)

Note: Includes income for spouse of reference person from wages and salaries, net income from self-employment, and gross income from roomers and boarders.

Variable Name: **SPINCINV**  
 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)

Note: Includes investment income for spouse of reference person from dividends, interest, and other investment income such as net rental income or interest received from loans or mortgages.

Variable Name: **SPINCTRA**  
 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)

Note: Includes income for spouse of reference person from Child Tax Benefits, Old Age Security Pension, Guaranteed Income Supplement, Spouse's Allowance, Canada Pension Plan Benefits or Quebec Pension Plan Benefits, Employment Insurance Benefits, Goods and Services Tax Credit, Provincial Tax Credits, Social Assistance, Provincial Income Supplements, Workers' Compensation Benefits, Veterans' Pensions Civilian War Pensions and Allowances, and Other Income from Government Sources.

Variable Name: **SPINCOTH**  
 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)

Note: Includes income for spouse of reference person from retirement pensions, superannuation, annuities, RRIF withdrawals, and other income such as alimony, child support, retirement allowance, scholarships, and income from outside Canada.

Variable Name: **SPAGE**  
 Unit Type: Count  
 Description: Age of spouse

SHS\_A:003

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

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

SHS\_A:003

Code	Description
99	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: **SPSEX**  
Unit Type: Code  
Description: Sex of spouse

SHS\_A:004

Code	Description
9	No spouse
1	Male
2	Female

---

Variable Name: **SPWEEKFT**  
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: **SPWEEKPT**  
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:    **SPPREVDW**  
Unit Type:        Code  
Description:      Tenure of previous dwelling of spouse

SHS\_D:004

Code	Description
1	Before 1993
2	Owned
3	Rented
4	Did not maintain own dwelling
9	No spouse

Note: Those households that moved to their dwelling before 1993 were not asked this question.

---

## Household Description

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

SHS\_A:006

Code	Description
1	1
2	2 or more

Note: In the Survey of Household Spending, one-person households are included in code 1. However, the Census definition of an economic family is "a group of two or more persons who live in the same dwelling and are related to each other by blood, marriage, common-law or adoption".

---

Variable Name:    **HHTYPE**  
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 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 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 and 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 relative(s) 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 unrelated person(s)  
 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 relatives or unrelated persons
5	Lone parent (person aged 17 years and over with child) with no additional persons
6	Other household with relative(s) only
7	Other household with unrelated person(s)

Note: Children can be any age as long as they are single (never-married). Foster children are included.

Relatives may include:

- sons, daughters and foster children of the reference person whose marital status is other than "single, never married",
- relatives of the reference person by birth or marriage (not spouse, son, daughter, or foster child),
- spouse of the reference person who was not present in the household on December 31.

Variable Name: **HHSZD31**  
 Unit Type: Count  
 Description: Household size at December 31

SHS\_A:007

Note: Count of persons member of household on December 31.

Variable Name: **MA04D31**  
 Unit Type: Count  
 Description: Number of males aged 0 to 4 years 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 and sex (A:004) = 1

---

Variable Name: **FE04D31**

Unit Type: Count

Description: Number of females aged 0 to 4 years 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 and sex (A:004) = 2

---

Variable Name: **MA517D31**

Unit Type: Count

Description: Number of males aged 5 to 17 years 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 and sex (A:004) = 1

---

Variable Name: **FE517D31**

Unit Type: Count

Description: Number of females aged 5 to 17 years 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 and sex (A:004) = 2

---

Variable Name: **Y1824D31**

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: **A2564D31**

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: **SE65D31**

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: **HHSZTOT**

Unit Type: Count

Description: Household size (number of persons a member sometime in reference year)

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

---

Variable Name: **AGEYOUNG**

Unit Type: Count

Description: Age of youngest child (member sometime during reference year)

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: **NUMWKS**

Unit Type: Count

Description: Total number of weeks a member of household (sum for all household members)

SHS\_A:009

Note: Divide by 52 to obtain year equivalent household size.

---

Variable Name: **NUMFT**

Unit Type: Code

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)) >= 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 or more

---

Variable Name: **NUMPT**

Unit Type: Code

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)) >= 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: **MAJINCSC**  
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
1. Major source is wages and salaries  
Total wages and salaries (U:004) not = 0 and  $\geq$  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  $\geq$  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)
2. Major source is investment income  
Total investment income (U:008) not = 0 and  $\geq$  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)
3. 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  $\geq$  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)
4. Major source is miscellaneous income  
Miscellaneous income (U:016+U:018) not = 0 and  $\geq$  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)

Income data is not present

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

Variable Name: **HHINCTOT**  
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)

Note: Includes income for household from earnings, investment, government transfer payments and other sources.

Variable Name: **HHINCEAR**  
 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)

Note: Includes income for household from wages and salaries, net income from self-employment, and gross income from roomers and boarders.

Variable Name: **HHINCINV**  
 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)

Note: Includes investment income for household from dividends, interest, and other investment income such as net rental income or interest received from loans or mortgages.

Variable Name: **HHINCTRA**  
 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)

Note: Includes income for household from Child Tax Benefits, Old Age Security Pension, Guaranteed Income Supplement, Spouse's Allowance, Canada Pension Plan Benefits or Quebec Pension Plan Benefits, Employment

Insurance Benefits, Goods and Services Tax Credit, Provincial Tax Credits, Social Assistance, Provincial Income Supplements, Workers' Compensation Benefits, Veterans' Pensions Civilian War Pensions and Allowances, and Other Income from Government Sources.

Variable Name: **HHINCOTH**  
 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)

Note: Includes income for household from retirement pensions, superannuation, annuities, RRIF withdrawals, and other income such as alimony, child support, retirement allowance, scholarships, and income from outside Canada.

Variable Name: **OTHMONRE**  
 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

Note: Includes other money received by households such as gifts received from persons outside household, cash inheritances, life insurance settlements, or net winnings from games of chance if greater than losses.

Variable Name: **MONFLOWS**  
 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

Note: Money flows are net changes during the survey year in bank balances; money on hand; money owed to the household; money owed by the household; purchase and sale of stocks and bonds, personal property, and real estate; expenditures on home additions, renovations and new installations; and contributions to and withdrawals from registered retirement savings plans.

---

Variable Name: **RRSPCHNG**  
 Unit Type: Dollar (\$)  
 Description: Registered Retirement Savings Plan (RRSP) change of household

SHS\_W:007 – SHS\_W:008

Note: Contributions to RRSP minus withdrawals from RRSP at the household level.

---

Variable Name: **EIFLAG**  
 Unit Type: Code  
 Description: Employment insurance benefit (EI) indicator

SHS\_U:012

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

---

## Household Equipment (at December 31)

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

1 (If SHS\_C:017 = 7)  
 2 (If SHS\_C:017 = 8)  
 0 (If SHS\_C:017 = 9)

---

Code	Description
1	Automatic
2	Other
0	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: **DRYER**  
Unit Type: Code  
Description: Clothes dryer

1 (If SHS\_C:018 = 1)  
2 (If SHS\_C:018 = 2)  
0 (If SHS\_C:018 = 3)

Code	Description
1	Electric
2	Gas
0	None

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

---

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

1 (If SHS\_C:016 =4)  
2 (If SHS\_C:016 =5)  
0 (If SHS\_C:016 =6)

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

Note: Dishwashers may be built-in or portable.

---

Variable Name: **NUMFRIDG**  
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: **FREEZER**

Unit Type: Code

Description: Freezer

0 (If SHS\_C:009 = No)

1 (If SHS\_C:009 = Yes)

Code	Description
------	-------------

0	No
---	----

1	Yes
---	-----

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: **MICROWV**

Unit Type: Code

Description: Microwave oven

0 (If SHS\_C:008 = No)

1 (If SHS\_C:008 = Yes)

Code	Description
------	-------------

0	No
---	----

1	Yes
---	-----

---

Variable Name: **AIRCON**

Unit Type: Code

Description: Air conditioner

1 (If SHS\_C:015 =1)

2 (If SHS\_C:015 =2)

0 (If SHS\_C:015 =3)

Code	Description
------	-------------

1	Window type
---	-------------

2	Central
---	---------

0	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: **NUMPHON**

Unit Type: Count

Description: Number of telephones

0 (If SHS\_C004 =0)

1 (If SHS\_C004 =1)

2 (If SHS\_C004 =2)

3 (If SHS\_C004 =3)

4 (If SHS\_C004 =4)

5 (If SHS\_C004 =5)  
6 (If SHS\_C004 =6 OR >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: **NUMPHNUM**  
Unit Type: Count  
Description: Number of telephone numbers

0 (If SHS\_C006 =0)  
1 (If SHS\_C006 =1)  
2 (If SHS\_C006 =2)  
3 (If SHS\_C006 =3 OR >3)

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

---

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

0 (If SHS\_C:007 = No)  
1 (If SHS\_C:007 = Yes)

Code	Description
0	No
1	Yes

Note: Cordless phones are excluded.

---

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

0 (If SHS\_C:011 = No)  
1 (If SHS\_C:011 = Yes)

Code	Description
0	No
1	Yes

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**  
Unit Type: Code  
Description: Cablevision

0 (If SHS\_C:010 = No)  
1 (If SHS\_C:010 = Yes)

Code	Description
0	No
1	Yes

---

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

0 (If SHS\_C003 =0)  
1 (If SHS\_C003 =1)  
2 (If SHS\_C003 =2)  
3 (If SHS\_C003 =3 OR >3)

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

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

---

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

0 (If SHS\_C:012 = No)  
1 (If SHS\_C:012 = Yes)

Code	Description
0	No
1	Yes

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

---

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

0 (If SHS\_C:013 = No)

1 (If SHS\_C:013 = Yes)

Code	Description
0	No
1	Yes
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: **INTERNET**  
Unit Type: Code  
Description: Internet use from home

0 (If SHS\_C:014 = No)  
1 (If SHS\_C:014 = Yes)

Code	Description
0	No
1	Yes
9	No modem

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 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: **NUMCOLTV**  
Unit Type: Count  
Description: Number of colour televisions

0 (If SHS\_C002 =0)  
1 (If SHS\_C002 =1)  
2 (If SHS\_C002 =2)  
3 (If SHS\_C002 =3)  
4 (If SHS\_C002 =4)  
5 (If SHS\_C002 =5 OR >5)

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

---

Variable Name: **NUMVEHON**  
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 OR >4)

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

Note: 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: **VEHLEASD**  
 Unit Type: Code  
 Description: Vehicules leased at December 31

0 (If Count (vehicles where SHS\_Q:018 = 2) = 0)  
 1 (If Count (vehicles where SHS\_Q:018 = 2) = 1 or more)

Code	Description
0	No
1	Yes

## 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 starting in 1997**

Prior to 1997 in the Family Expenditure Survey, 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.)

For the Survey of Household Spending (starting with the 1997 reference year, interest payments are not available separately from principal. "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 these 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, and 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)

$$((SHS\_I:002 + SHS\_I:003) * (100 - PctRentAgainstBusiness\_I:011\alpha)/100) - (SHS\_I:004 * (100 - PctRentAgainstBusiness\_I:011\alpha)/100)$$

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

$$(SHS\_G:002 * SHS\_G:003) + (SHS\_G:004 * SHS\_G:005) + (SHS\_G:006 * SHS\_G:007) \\ SHS\_H:008 + SHS\_H:011 + SHS\_H:014 + SHS\_H:017 + SHS\_H:019 + SHS\_H:021 \\ SHS\_E:006 * (100 - PctExpAgainstBusiness\_E:009\alpha)/100 \\ SHS\_E:003 * (100 - PctExpAgainstBusiness\_E:009\alpha)/100 \\ SHS\_E:005 * (100 - PctExpAgainstBusiness\_E:009\alpha)/100 \\ SHS\_F:007 \\ SHS\_F:008 \\ SHS\_G:016 \\ SHS\_F:009 \\ SHS\_F:004$$

Note: See important note under G001.

Variable Name: **G040**

Unit Type: Dollar (\$)

Description: Regular mortgage payments

$$(SHS\_G:002 * SHS\_G:003) + (SHS\_G:004 * SHS\_G:005) + (SHS\_G:006 * SHS\_G:007)$$

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 Family Expenditure 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 fuel for principal residence (eg., 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: Travellers accommodation excludes accommodation that was part of a travel tour (which are 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 and equipment

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

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: **I027TOT**  
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 repairs 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\_O:102: If PersonNo = 00) + (SHS\_O:104: If PersonNo = 00)

---

Variable Name: **J019TOT**  
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: **J023TOT**  
Unit Type: Dollar (\$)  
Description: Laundry and dry-cleaning service, laundromats and self-service 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 $\pi$ )/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 $\pi$ )/100 for each vehicle)  
Sum(SHS\_Q:024 \* (100 - PctVehExpAgainstBus\_Q:031 $\pi$ )/100 for each vehicle)  
Sum(SHS\_Q:025 \* (100 - PctVehExpAgainstBus\_Q:031 $\pi$ )/100 for each vehicle)  
SHS\_I:008 \* (100 - PctRentAgainstBusiness\_I:011 $\pi$ )/100  
Sum(SHS\_Q:028 \* (100 - PctVehExpAgainstBus\_Q:031 $\pi$ )/100 for each vehicle)  
SHS\_Q:302  
SHS\_Q:301  
Sum(SHS\_Q:027 \* (100 - PctVehExpAgainstBus\_Q:031 $\pi$ )/100 for each vehicle)  
Sum(SHS\_Q:026 \* (100 - PctVehExpAgainstBus\_Q:031 $\pi$ )/100 for each vehicle)  
Sum(SHS\_Q:029 \* (100 - PctVehExpAgainstBus\_Q:031 $\pi$ )/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 $\pi$ )/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 $\pi$ )/100 for each vehicle)  
 Sum(SHS\_Q:024 \* (100 - PctVehExpAgainstBus\_Q:031 $\pi$ )/100 for each vehicle)  
 Sum(SHS\_Q:025 \* (100 - PctVehExpAgainstBus\_Q:031 $\pi$ )/100 for each vehicle)  
 SHS\_I:008 \* (100 - PctRentAgainstBusiness\_I:011 $\pi$ )/100  
 Sum(SHS\_Q:028 \* (100 - PctVehExpAgainstBus\_Q:031 $\pi$ )/100 for each vehicle)  
 SHS\_Q:302  
 SHS\_Q:301  
 Sum(SHS\_Q:027 \* (100 - PctVehExpAgainstBus\_Q:031 $\pi$ )/100 for each vehicle)  
 Sum(SHS\_Q:026 \* (100 - PctVehExpAgainstBus\_Q:031 $\pi$ )/100 for each vehicle)  
 Sum(SHS\_Q:029 \* (100 - PctVehExpAgainstBus\_Q:031 $\pi$ )/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: Purchase of automotive accessories

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)

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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

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\_I:011)/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: **K032TOT**  
Unit Type: Dollar (\$)  
Description: Local and commuter transportation

SHS\_R:092

SHS\_R:093

Note: Includes city or commuter bus, subway, street car, commuter train, and taxi.

---

Variable Name: **K034TOT**  
Unit Type: Dollar (\$)  
Description: Inter-city transportation

SHS\_R:094

SHS\_R:095

SHS\_R:096

Note: Includes airplane, train and highway bus.

---

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

SHS\_R:097

---

Variable Name: **K038**  
Unit Type: Dollar (\$)  
Description: Household moving, 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 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 services

SHS\_P:012

---

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

SHS\_P:015

---

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 plans

SHS\_P:005

---

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

SHS\_P:006  
SHS\_P:007  
SHS\_P:008

---

## Expenditure - Personal Care

Variable Name: **L201**  
Unit Type: Dollar (\$)  
Description: 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: 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:022a)/100 for each recreation vehicle)  
 Sum(SHS\_R:015 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)  
 Sum(SHS\_R:017 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)  
 Sum(SHS\_R:018 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)  
 Sum(SHS\_R:019 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)  
 Sum(SHS\_R:020 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/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: **M106TOT**  
Unit Type: Dollar (\$)  
Description: Toys, electronic games and art/hobby materials

SHS\_S:007, S:008, S:009

Note: The 1997 variable included spending on computer equipment and supplies. The 1998 variable does not. However, computer equipment and supplies are available separately.

---

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:022a)/100 for each recreation vehicle)

Sum(SHS\_R:015 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:017 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:018 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:019 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:020 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/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: Other recreational 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:022a)/100 for each recreation vehicle)

Sum(SHS\_R:015 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:017 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:018 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:019 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:020 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Variable Name: **M140**

Unit Type: Dollar (\$)

Description: Bicycle maintenance and repairs

SHS\_R:002

Variable Name: **M142TOT**

Unit Type: Dollar (\$)

Description: Other recreation vehicle operation

Sum(SHS\_R:016 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:015 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:017 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:018 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:019 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/100 for each recreation vehicle)

Sum(SHS\_R:020 \* (100 - PctOtherVehExpAgainstBus\_R:022a)/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 (eg., radio, CD player, speaker)

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: Televisions, 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 for sports and recreation facilities

SHS\_S:021

---

Variable Name: **M169**  
Unit Type: Dollar (\$)  
Description: Single use fees for sports and recreation facilities

SHS\_S:022

The 1997 variable included spending on coin-operated and carnival games such as pinball and video games. In 1998, coin-operated and carnival games are included under "Use of recreation facilities".

---

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

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 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: 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: **M302TOT**  
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 tobacco

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

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, in the Family Expenditure Survey, 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.)

For the Survey of Household Spending (starting with the 1997 reference year), interest payments are not available separately from principal. 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 starting in 1997, expenditures for "Games of chance", formerly included under "Miscellaneous" became a separate sub-category. Caution should therefore be used when comparing these 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 (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: **O302TOT**  
 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

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 pension funds

Sum(SHS\_V:008 for each Person: If (SHS\_A:012 between 1 and 3) and SHS\_A:003 < 1983)

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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)

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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.

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Variable Name: **O403**  
Unit Type: Dollar (\$)  
Description: Gifts of money and other support payments to persons living inside Canada

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Sum(SHS\_V:012 for each Person: If (SHS\_A:012 between 1 and 3) and SHS\_A:003 < 1983)

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Variable Name: **O404**  
Unit Type: Dollar (\$)  
Description: Gifts of money and other support payments to persons living outside Canada

Sum(SHS\_V:013 for each Person: If (SHS\_A:012 between 1 and 3) and SHS\_A:003 < 1983)

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

Sum(SHS\_V:014 for each Person: If (SHS\_A:012 between 1 and 3) and SHS\_A:003 < 1983)

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

Sum(SHS\_V:015 for each Person: If (SHS\_A:012 between 1 and 3) and SHS\_A:003 < 1983)

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Variable Name: **TOTCUCON**  
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 1998 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.

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Variable Name: **TOTEXPEN**  
Unit Type: Dollar (\$)  
Description: Total expenditure

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 1998 to total expenditure from previous years. See "Shelter" and "Miscellaneous" for more information.

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# TECHNICAL INFORMATION

## METHODOLOGY

The 1998 Survey of Household Spending (SHS) was conducted from January to March 1999. The SHS is an annual survey collecting information on a voluntary basis from a probability sample of some 20,000 households. The data collected deal with spending habits, dwelling characteristics and facilities and equipment of Canadian households in 1998.

### 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, Northwest Territories and Nunavut, the coverage is 81%, 92% and 89% of the population, respectively (or 80%, 93% and 90% of households). Note that in these regions, individuals living in very small communities (generally consisting of less 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*<sup>1</sup>.

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 1998 survey is approximately 20,000 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 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 a maximum of 4% in the three territories and at 2% in Prince Edward Island. 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 1998 Survey of Household Spending are given in Table 1.

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<sup>1</sup> Catalogue number 71-526-XPB

**Table 1 Sample size by province and territory for the 1998 Survey of Household Spending**

Province	Sample size (number of households)
<b>Canada</b>	<b>20,236</b>
Newfoundland	1,343
PEI	807
Nova Scotia	1,573
New Brunswick	1,406
Quebec	2,848
Ontario	3,056
Manitoba	1,739
Saskatchewan	1,721
Alberta	2,186
B.C.	2,590
Yukon	383
NWT	383
Nunavut	201

### 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 stabilisation.

### 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 the provinces and Whitehorse and Yellowknife in the territories. The 1997 Survey of Household Spending was a transition year covering about 70% of the population in the northern territories. A new sampling design was implemented in the territories for the 1998 survey. This design takes into account the fact that a significant portion of the population is dispersed in low-density communities. Therefore, individuals living in unorganized areas, in very small communities (generally consisting of less than 100 households), or in hard to access areas were excluded from the target population of the survey.

In the Yukon as in the provinces, the survey sample design is closely related to the Labour Force Survey design. The LFS sample frame is used to select clusters (first level of sampling), after which a sample of dwellings different from those chosen for the LFS is selected from each cluster.

In the Northwest Territories and in Nunavut, a plan specific to the SHS was implemented since the LFS does not collect information in these territories. The cities of Yellowknife and Iqaluit each form a unique stratum divided in clusters with a sample of dwellings chosen in each cluster. The other communities are amalgamated into two or three strata according to socio-demographic characteristics, such as the size of the population, the proportion of Native People and average household income. Each community represents one cluster, and a sample of two or three clusters is selected in each of these strata. A sample of dwellings is then chosen from each selected cluster.

## 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 flows<sup>2</sup>), 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.

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<sup>2</sup> Formerly net change in assets and liabilities.

## 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. 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

Estimates are based on the principle that each household in a sample represents a certain number of households in the target population. To each responding household a survey weight is allocated to indicate how many households from the population are represented by this household. This survey weight is generally the result of three factors: a sampling weight which incorporates the data from the sample design; an adjustment factor for non-response which compensates for non-responding households; and an adjustment factor to adjust the sample to demographic characteristics from sources other than the survey. We also take into account an adjustment factor for influential data in the calculation of the survey weight but this factor affects few households.

To compensate for total non-response, i.e. when a household did not give any answers or when these answers are not usable, weights are adjusted. This adjustment is based on the principle that a responding household can be used to represent all households: responding and non-responding. The adjustment is done within 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. In large cities where high income strata are present, these strata are also non-response classes.

The SHS uses two sources of external data to adjust the weights. First, post-censal population estimates, produced by Statistics Canada's Demography Division, provide counts of the number of people for different age groups by province or territory. Three age groups (less than 15 years, 15 to 64 years, 65 years or more) are used to adjust the weights for each province and also for 16 metropolitan areas. For the territories, and for Whitehorse and Yellowknife, only two age groups (less than 15 years, 15 years or more) are used.

The second source of external data corresponds to estimates of the number of one-person and multi-person households for each province and territory. These estimates are derived by modelling the growth in the number of households from monthly estimates of the number of households from the LFS, as applied to census counts (adjusted for net under coverage). For the 1998 survey, the 1991 census data were used so that they are consistent with post-censal estimates of the number of individuals also based on the 1991 census.

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  $\pm 2$  standard errors ( $Y \pm 2 \text{ SE}$ )<sup>3</sup>. 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 was repeated, the interval  $Y \pm \text{SE}$  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 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 1998 SHS, population undercoverage was 6.7% of the population nationally, varying from 3% to 13% for the provinces, and reaching a much higher level in the territories (from 17% to 20%).

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 1998 survey, the final rate of response is 76.4%, mainly the result of two causes: non-response and unusable data. Non-response is due to the impossibility of contacting respondents (4.9%) or the refusal of household members to participate in the survey (15.8%). The data gathered for a household are considered unusable when a significant percentage of the questions on income or expenses were left unanswered (1.6%), meaning that the minimum

<sup>3</sup> The confidence interval is calculated directly from the CV in a similar way, i.e.,  $Y \pm 2 (\text{CV} \times Y)/100$ .

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 flows<sup>4</sup>) is higher than 20% (1.3%).

**Table 2 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	15.1	14.1	4.2	9.9	2.8	1.5	1.3	83.2
PEI	17.4	16.5	2.0	14.5	1.5	1.2	0.2	82.0
NS	15.0	18.9	4.6	14.3	5.9	2.7	3.2	75.2
NB	11.2	14.6	3.0	11.6	1.6	0.9	0.7	83.8
Quebec	8.6	22.8	4.7	18.1	0.6	0.4	0.2	76.5
Ontario	7.1	26.3	6.3	20.0	4.2	2.4	1.8	69.5
Manitoba	12.5	18.2	3.3	14.9	1.8	1.5	0.3	80.0
Saskatchewan	10.9	14.9	4.2	10.7	1.8	1.6	0.2	83.3
Alberta	6.6	22.1	5.2	17.0	1.7	1.3	0.4	76.2
BC	7.2	28.2	7.5	20.7	5.5	2.0	3.6	66.3
Yukon	17.2	20.6	6.8	13.8	7.3	3.7	3.7	72.1
NWT	16.2	10.7	1.8	8.9	0.8	0.5	0.3	88.5
Nunavut	13.1	3.5	2.0	1.5	2.0	2.0	0.0	94.5
<b>TOTAL</b>	10.5	<b>20.7</b>	4.9	15.8	<b>2.9</b>	1.6	1.3	76.4

The final response rate varies widely among provinces. Nunavut and the Northwest Territories have the highest rate with 94.5% and 88.5% respectively. Newfoundland, Prince Edward Island, New Brunswick, Manitoba and Saskatchewan have response rates ranging between 80% and 84%, while rates lower than 70% are found in Ontario and British Columbia. Ontario and British Columbia both have high refusal and non contact rates compared to the other provinces and territories. The rate of unusable data varies significantly among provinces, and is particularly low in Quebec (0.6%) and in the Northwest Territories (1%), but is higher than 5% in Nova Scotia, British Columbia and the Yukon.

The vacancy rate (residences that are unoccupied, seasonal or under construction) is also shown in Table 2, but it must be remembered that vacant residences do not contribute to the sample bias if they are identified correctly. Analysis of vacancy rates can be used to detect problems with residence identification during the data gathering process.

### 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.

<sup>4</sup> Formerly net difference between assets and liabilities.

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. Some indicators, such as the number of imputed households or the proportion of the total value of the estimate of a variable derived from imputed data, give an indication of the significance of partial non-responses. These quality indicators are described in the following sections.<sup>5</sup>

### **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.

The percentage of usable households for which an expenditure variable had to be imputed (excluding clothing expenditure variables) is shown in Table 3. Usable households correspond to all households sampled with the

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<sup>5</sup> For operational reasons, these quality indicators are not available for categorical data such as dwelling characteristics and household equipment for the 1998 SHS.

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 3 Households requiring imputation of expenditure variables, by province/territory**

Province or Territory	% of households requiring imputation of <b>EXPENDITURE VARIABLES</b> (excluding clothing expenditures)			
	Number of imputed variables (out of 237)			TOTAL
	1	2	3 to 10	
<b>Canada</b>	4.7	0.8	0.4	6.0
Newfoundland	2.2	0.2	0.1	2.5
PEI	2.9	0.5	0.2	3.5
NS	5.1	0.9	0.9	6.9
NB	2.8	0.2	0.0	3.0
Quebec	1.7	0.3	0.0	2.0
Ontario	8.0	2.4	1.5	11.8
Manitoba	4.9	0.5	0.6	6.0
Saskatchewan	3.5	0.6	0.1	4.2
Alberta	5.1	0.6	0.2	5.9
BC	6.4	0.9	0.4	7.7
Yukon	11.8	0.3	0.0	12.1
NWT	9.5	0.0	0.0	9.5
Nunavut	6.8	2.6	1.1	10.5

Table 3 shows that 6% of households required imputation of at least one expenditure (excluding clothing). However, most households required imputation of only one variable. Results at the provincial level are generally slightly higher or lower than the national rate of 6%, but three provinces or territories have more than 10% of households with at least one imputation; they are Ontario (11.8%), Yukon (12.1%), and Nunavut (10.5%).

With respect to income<sup>6</sup>, less than 3% of individuals in usable households required imputation. For more than 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 6% for Manitoba to slightly less than 1% for the Northwest Territories.

For clothing expenditures<sup>7</sup>, close to 15% of individuals in usable households required some form of imputation. The provincial rates are all close to the national level except for Newfoundland, with a lower rate (9%), while Prince Edward Island and Quebec have rates of 21% and 26% respectively. In almost all cases, 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**

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 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 an 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). Table 4 shows this measurement for estimates for major expenditure categories.

<sup>6</sup> These tables are available on request.

<sup>7</sup> These tables are available on request.

Table 4 Measurement of the impact of imputation of major expenditure categories and total income

Characteristics	Measurement of the impact of imputed values
<b>Total Income</b>	<b>0.16%</b>
<b>Total expenditure</b>	<b>0.40%</b>
Food	0.01%
Shelter	0.69%
Household operation	0.08%
Household furnishings and equipment	0.24%
Clothing	-0.32%
Transportation	0.25%
Health care	0.14%
Personal care	0.37%
Recreation	0.01%
Reading material and other printed matter	0.04%
Education	0.02%
Tobacco products and alcoholic beverages	0.10%
Games of chance expenditures (net)	0.50%
Miscellaneous expenditures	1.30%
Personal taxes	0.87%
Personal insurance payments and pension contributions	0.57%
Money gifts and contributions	0.13%

The imputed values have an impact of only 0.4% of total spending. The impact on estimates for the main spending categories is also very low.

While the impact of imputation is very low for the majority of variables, it may be higher for some variables, for example, the components of clothing expenditures.

### 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 central tendency and effectively complement the information provided by the estimate of the mean.

## 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.

### 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.
- 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. See Section 1.4.3.

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, 1998, 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 1998, 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 Totaling 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 1998, 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, 1998, 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, 1998, 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).

### 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 in Section 2. 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 Section 2 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 and follow the guidelines below.

**Table 5 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	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:  "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."



### 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 totals obtained from this public use microdata file for the major variables of the SHS by province and at the Canada level (See Technical Tables 1 and 2). 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.

The performance of the CV proxy model was assessed using data from the 1997 survey. In order to assess the performance of the CV approximation model, the CVs for mean expenditure estimates for all SHS variables (approximately 400 variables) were calculated provincially for three types of domains: metropolitan areas (17 areas), type of household (12 categories) and income quintile. However, the method for approximating the coefficient of variation was not tested for qualitative variables. The CVs produced using the standard approach (Jackknife CVs) were compared with CVs calculated using the approximation formula (approximate CVs). The distribution of differences between the CVs (approximate CVs and Jackknife CVs) is shown in Table 6 for each type of area.

**Table 6 Distribution of differences (in %) between the approximate CV and the Jackknife CV for estimates of mean expenditures based on selected types of areas using 1997 survey data**

CV differences (approximate CV and Jackknife CV)	Metropolitan area (17 areas) %	Type of household (12 categories) %	Income quintile (5 categories) %
0 - 2	72.6	66.6	77.7
2 - 5	20.6	25.8	20.2
5 - 10	4.9	6.5	1.7
> 10	1.8	1.2	0.3

The results show that for over three-quarters of the estimates (77.7%) produced for income quintiles, the difference between the approximate CV and the Jackknife CV is low (difference of 2 or less). However, less precision is obtained by using the CV approximation for the type of household and metropolitan areas. These results show that the approximation method generally is able to produce CVs that are fairly close to those produced using the standard Jackknife method, but that accuracy is reduced when the domains become smaller. The use of CV approximation must be used prudently when the number of households contributing to the estimate (i.e., the value of the expenditure is not nil) becomes very small.

As stated above, estimates with a CV estimated at over 33% are not sufficiently reliable to be used. Two types of errors can occur when using a CV approximation. The first occurs when the approximate CV indicates a fairly reliable estimate (<33%) but in reality, the estimate is not reliable when based on the Jackknife CV (CV>33%). The second error occurs when the approximate CV indicates an unreliable estimate (CV>33%) but the Jackknife CV indicates the opposite (CV<33%). The following table gives an indication of the extent of these errors.

**Table 7 Distribution of type of error for three domains using 1997 survey data**

Type of error	Metropolitan area (17 areas)	Type of household (12 categories)	Income quintile (5 categories)
1. Approximate CV < 33% and Jackknife CV >33%	43 (0.8%)	150 (0.4%)	97 (0.6%)
2. Approximate CV > 33% and Jackknife CV <33%	82 (1.5%)	1,027 (2.5%)	150 (0.9%)

Because the CV approximation tends to produce a higher CV than the Jackknife CV (72% of cases for metropolitan areas, 77% for household types and 19% for income quintiles), the second type of error is more common.

### 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.

**Remember:** 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: 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) For a quantitative estimate, define the variable  $Y$  by the product of  $I$  and the variable of interest and for a categorical estimate, let  $Z$  be equal to 1 if the categorical variable has the value of interest and 0 otherwise and define the 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  $Y$ ;
- 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 in the domain of the product of the final weight minus 1, the final weight and  $E$  squared;
- 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:

$$\sum_{p=1}^{10} \sum_{k \in S_p} (w_k - 1) w_k \left( Y_k - m_k \sum_{k \in S_p} w_k Y_k / \sum_{k \in S_p} w_k m_k \right)^2$$

where the index  $p$  corresponds to provinces,  $S_p$  is the sample of respondents for domain  $p$ , the index  $k$  corresponds to households,  $w_k$  is the final weight for the  $k^{\text{th}}$  household,  $m_k$  is the household size for the  $k^{\text{th}}$  household and  $Y_k$  is the value of the variable  $Y$ , defined in step (2) above, for the  $k^{\text{th}}$  household.

#### Rule 2: Estimates of means or proportions

An estimated mean or proportion is obtained by the ratio of two estimated totals. The CV of an estimated mean or proportion tends generally to be slightly lower than the corresponding CV of the numerator. The CV of a mean or a proportion can thus be approximated with the CV of the numerator and the technique described in rule (1) can be used.

**Rule 3: Estimates of ratios**

This rule applies to all ratios of any two estimates for which rule (2) does not apply. The CV of a ratio can be approximated with the following formula:

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

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. When available, the approximate CVs in this formula can be replaced by the CVs obtained in the CV table.

**Rule 4: Estimates of differences**

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

$$CVA_D = \frac{\sqrt{(EST_1 CVA_1)^2 + (EST_2 CVA_2)^2}}{EST_D}$$

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. When available, the approximate CVs in this formula can be replaced by the CVs obtained in the CV table.

**3.1.4.2 Examples**

The following "real life" examples are included to assist users in applying the foregoing rules.

**Example 1: Estimates of totals (Aggregates)**

Let us assume that we have estimated that there are 107,928 one-person households in Manitoba and that their household furnishings and equipment expenditures total \$68,278,485. We have to estimate the approximate CV for these two estimates. Users must therefore follow steps (1) to (11) of rule 1 for each estimate.

- 1) Create a binary variable  $I$  whose value is 1 if the household was a one-person household during the full year 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 the number of one-person households in Manitoba is obtained by adding the product of variable  $I$  defined in 1) and the final weight of the household, and 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.

For the estimations of expenses, exclude "part-year households" from calculations.

Table 8 shows the results of some of the steps in the approximate CV calculation.

**Table 8 Calculation of ACV**

Step	Number of one-person households in Manitoba	Total spending on household furnishings and equipment for one-person households in Manitoba
4	107,928	68,278,485
5	1,054,352	1,054,352
6	0.102364296	64.7587191
9	39,909,962.54	$8.242 \times 10^{13}$
10	39,909,962.54	$8.242 \times 10^{13}$
11	5.85	13.3

Suppose now that we have estimated the number of one-person households living in various types of residences as 882,653 for single-family dwellings<sup>8</sup>, 97,573 for semi-detached houses<sup>9</sup>, 147,902 for town houses<sup>10</sup> and 1,657,149 for other<sup>11</sup>. We want to calculate the approximate CVs for these estimates.

In this case, the variable *I* is defined as having the value 1 if the household is one-person, and 0 otherwise. We have to create four *Z* variables: *Z1* with a value of 1 if the type of residence occupied is "single-family dwelling", and 0 if not; *Z2* equals 1 if the type of residence is semi-detached, and 0 if not; *Z3* equals 1 if the type of residence is townhouse, and 0 if not; and finally *Z4* equals 1 if the type of residence is other, and 0 if not. *Y1* is defined as the product of *I* and *Z1*, and *Y2* as the product of *I* and *Z2*, etc.

Table 9 shows the results for some steps in the calculation of the approximate CV.

**Table 9 Calculation of ACV**

Step	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	44,422	696	5,851	61,474
5	1,080,997*	1,080,997	1,080,997	1,080,997
6	0.041093546	0.00064385	0.005412596	0.05686787
9	15,321,880.36	241,684.14	1,869,856.44	21,467,945.1
10	1,289,967,075	174,462,150.8	194,712,840.8	2,512,590,515
11	4.07	13.54	9.43	3.02

\* Here, all households were used, e.g. full-year and part-year households.

Note: results for Manitoba are presented for steps 4 to 9.

### Example 2: Estimates of means or proportions

Let us assume that the user estimates that the mean of spending on household furnishings and equipment for one-person households in Manitoba is  $\$632.63 = \$68,278,485/107,928$ . How do we determine the CV for this estimate?

Rule (2) should be applied in this case. Thus, the CV of this mean would be equal to the CV previously calculated for the total of spending on household furnishings and equipment in Manitoba for one-person households (ACV = 13.3).

<sup>8</sup> Single family = single detached

<sup>9</sup> Semi-detached = double

<sup>10</sup> Town houses = row or terrace

<sup>11</sup> Other = duplex, apartment, hotel, mobile home, other

**Example 3: Estimates of ratios**

Suppose that a user estimates that the ratio of the total of spending on household furnishings and equipment for a one-person household in Manitoba over the same total for all household sizes in Manitoba is  $0.127 = 68,278,485 / 539,288,471$ . How does the user determine the CV of this estimate?

The ACV of the estimate of the total of spending on household furnishings and equipment in Manitoba for all household sizes is available from the CV table or can be calculated in a manner similar to example 1 setting  $l$  equal to 1 for households in Manitoba and 0 otherwise. Then, the rule (3) can be applied to obtain the desired CV ( $ACV_R = 13.90$  or  $13.82$  if the CV table is used).

**Example 4: Estimates of differences**

Suppose that a user estimates that the difference between total spending on household furnishings and equipment in Alberta and in Manitoba is 1,109,045,802. How does the user determine the CV of this estimate?

Rule (4) can be applied to obtain the desired CV ( $ACV_D = 5.08$  or  $5.91$  if the CV table is used).

**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 indefinitely, 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 (or by obtaining the CV from the table, if available) 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:

EST = 632.63

$z = 2$

ACV = 13.3

CI: (464.35, 800.91)

### 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  $EST_1 - EST_2$  be  $ACV_D$ .

If  $z = 1 / ACV_D$  is between -2 and 2, then no conclusion about the difference between the characteristics is justified at the 5% level of significance. If however, this ratio is smaller than -2 or 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 household furnishings and equipment in Alberta and the same total in Manitoba. From example 4, section 3.1.4.2, the approximate CV of the difference between these two estimates was found to be 5.08 and  $z = 0.197$ . Since  $z = 0.197$  is less than 2, it must be concluded that there is no 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 were removed from the file. (Names and addresses are not data captured).
- 272 records had their *province codes* set to 0 and were *re-weighted*.

173 records had their *province codes* set to 0 due to exceedingly high or low expenditure values or due to high income values.

102 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.

**Note :** There were 3 records that had their *province codes* set to 0 for both reasons.

- 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 1998

Full-year and Part-year Households				Full-year Households		
FYPYFLAG	FYPYFLAG	Frequency	Percent	FYPYFLAG	Frequency	Percent
Full Year	1	14,920	96.5	1	14,920	100.0
Part Year	2	537	3.5			
PROVINCE	PROVINCE	Frequency	Percent	PROVINCE	Frequency	Percent
Masked records	00	272	1.8	00	265	1.8
Newfoundland	10	1,100	7.1	10	1,067	7.2
Prince Edward Island	11	644	4.2	11	622	4.2
Nova Scotia	12	1,162	7.5	12	1,120	7.5
New Brunswick	13	1,167	7.5	13	1,144	7.7
Quebec	24	2,155	13.9	24	2,081	13.9
Ontario	35	2,103	13.6	35	2,027	13.6
Manitoba	46	1,372	8.9	46	1,330	8.9
Saskatchewan	47	1,416	9.2	47	1,358	9.1
Alberta	48	1,641	10.6	48	1,582	10.6
British Columbia	59	1,682	10.9	59	1,623	10.9
Yukon/NWT/Nunavut	60	743	4.8	60	701	4.7
URBRUR	URBRUR	Frequency	Percent	URBRUR	Frequency	Percent
Masked records	0	644	4.2	0	622	4.2
Urban	1	11,427	73.9	1	10,978	73.6
Rural	2	3,386	21.9	2	3,320	22.3
URBSIZE	URBSIZE	Frequency	Percent	URBSIZE	Frequency	Percent
Masked records	0	2,396	15.5	0	2,309	15.5
Urban – 30,000 and over	1	7,514	48.6	1	7,211	48.3
Urban – under 30,000	2	2,161	14.0	2	2,080	13.9
Rural	3	3,386	21.9	3	3,320	22.3
TYPDWEL	TYPDWEL	Frequency	Percent	TYPDWEL	Frequency	Percent
Single detached	1	9,636	62.3	1	9,516	63.8
Double	2	509	3.3	2	490	3.3
Row or terrace	3	855	5.5	3	803	5.4
Duplex	4	653	4.2	4	615	4.1
Apartment	5	3,268	21.1	5	2,981	20.0
Hotel, rooming or lodging house, mobile home or other	6	536	3.5	6	515	3.5
YEARBUIL	YEARBUIL	Frequency	Percent	YEARBUIL	Frequency	Percent
1920 or before	1	1,208	7.8	1	1,165	7.8
1921-1945	2	1,148	7.4	2	1,100	7.4
1946-1960	3	2,299	14.9	3	2,224	14.9
1961-1970	4	2,765	17.9	4	2,645	17.7
1971-1980	5	3,779	24.4	5	3,642	24.4
1981-1990	6	2,609	16.9	6	2,556	17.1
1991 to survey year	7	1,649	10.7	7	1,588	10.6

Full-year and Part-year Households				Full-year Households		
NUMRM	NUMRM	Frequency	Percent	NUMRM	Frequency	Percent
1	01	138	0.9	01	129	0.9
2	02	297	1.9	02	262	1.8
3	03	1,175	7.6	03	1,071	7.2
4	04	2,255	14.6	04	2,100	14.1
5	05	3,046	19.7	05	2,927	19.6
6	06	2,680	17.3	06	2,620	17.6
7	07	2,132	13.8	07	2,103	14.1
8	08	1,644	10.6	08	1,635	11.0
9	09	1,049	6.8	09	1,039	7.0
10	10	569	3.7	10	566	3.8
11 or more	11	472	3.1	11	468	3.1
NUMBEDRM	NUMBEDRM	Frequency	Percent	NUMBEDRM	Frequency	Percent
0	0	223	1.4	0	203	1.4
1	1	1,693	11.0	1	1,545	10.4
2	2	3,804	24.6	2	3,584	24.0
3	3	6,094	39.4	3	5,978	40.1
4	4	2,780	18.0	4	2,756	18.5
5 or more	5	863	5.6	5	854	5.7
NUMBTHRM	NUMBTHRM	Frequency	Percent	NUMBTHRM	Frequency	Percent
0	0	44	0.3	0	41	0.3
1	1	10,450	67.6	1	9,976	66.9
2	2	4,132	26.7	2	4,083	27.4
3 or more	3	831	5.4	3	820	5.5
TENUREYR	TENUREYR	Frequency	Percent	TENUREYR	Frequency	Percent
Owned without mortgage during the reference year	1	5,063	32.8	1	5,052	33.9
Owned with mortgage during the reference year	2	4,790	31.0	2	4,732	31.7
Rented or occupied free during the reference year	3	5,095	33.0	3	4,637	31.1
Mixed tenure during the reference year	4	509	3.3	4	499	3.3
TENDEC31	TENDEC31	Frequency	Percent	TENDEC31	Frequency	Percent
Owned without mortgage on December 31	1	5,105	33.0	1	5,092	34.1
Owned with mortgage on December 31	2	5,106	33.0	2	5,042	33.8
Rented or occupied rent-free on December 31	3	5,246	33.9	3	4,786	32.1
REPAIRS	REPAIRS	Frequency	Percent	REPAIRS	Frequency	Percent
Yes, major repairs were needed	1	1,481	9.6	1	1,443	9.7
Yes, minor repairs were needed	2	2,729	17.7	2	2,594	17.4
No, only regular maintenance was needed	3	11,247	72.8	3	10,883	72.9

Full-year and Part-year Households				Full-year Households		
YRMOVED	YRMOVED	Frequency	Percent	YRMOVED	Frequency	Percent
Before 1970	1	1,457	9.4	1	1,457	9.8
1970 - 1979	2	1,785	11.5	2	1,785	12.0
1980 - 1989	3	2,973	19.2	3	2,973	19.9
1990 - 1997	4	6,805	44.0	4	6,805	45.6
1998	5	2,437	15.8	5	1,900	12.7
BUYHMFLG	BUYHMFLG	Frequency	Percent	BUYHMFLG	Frequency	Percent
No	0	14,832	96.0	0	14,356	96.2
Yes	1	625	4.0	1	564	3.8
HEATMAIN	HEATMAIN	Frequency	Percent	HEATMAIN	Frequency	Percent
Steam or hot water furnace	1	2,576	16.7	1	2,412	16.2
Forced hot air and other hot air furnace	2	8,043	52.0	2	7,854	52.6
Heating stove (including wood stove), cookstove, or other	3	838	5.4	3	824	5.5
Electric heating	4	4,000	25.9	4	3,830	25.7
HEATAGE	HEATAGE	Frequency	Percent	HEATAGE	Frequency	Percent
5 years or less	1	3,132	20.3	1	3,051	20.4
6 to 10 years	2	2,603	16.8	2	2,539	17.0
11 to 15 years	3	2,340	15.1	3	2,284	15.3
16 to 20 years	4	2,460	15.9	4	2,376	15.9
Over 20 years	5	4,922	31.8	5	4,670	31.3
HEATFUEL	HEATFUEL	Frequency	Percent	HEATFUEL	Frequency	Percent
Oil or other liquid fuel	1	3,377	21.8	1	3,257	21.8
Piped gas (natural gas)	2	6,134	39.7	2	5,922	39.7
Electricity	3	4,630	30.0	3	4,440	29.8
Bottled gas (propane), wood, or other	4	1,316	8.5	4	1,301	8.7
HOTWATER	HOTWATER	Frequency	Percent	HOTWATER	Frequency	Percent
Oil or other liquid fuel	1	1,742	11.3	1	1,662	11.1
Piped gas (natural gas)	2	5,831	37.7	2	5,620	37.7
Bottled gas (propane), wood, other, or no running hot water	3	288	1.9	3	282	1.9
Electricity	4	7,596	49.1	4	7,356	49.3
COOKING	COOKING	Frequency	Percent	COOKING	Frequency	Percent
Piped gas (natural gas)	1	560	3.6	1	543	3.6
Electricity	2	14,601	94.5	2	14,085	94.4
Oil or other liquid fuel, bottled gas (propane), wood, or other	3	296	1.9	3	292	2.0
REDURENT	REDURENT	Frequency	Percent	REDURENT	Frequency	Percent
Dwelling not rented	0	9,758	63.1	0	9,689	64.9
Government subsidized housing	1	854	5.5	1	818	5.5

Full-year and Part-year Households				Full-year Households		
Other reason (e.g. services to landlord)	2	410	2.7	2	375	2.5
No reduced rent	3	4,435	28.7	3	4,038	27.1
RPMAR	RPMAR	Frequency	Percent	RPMAR	Frequency	Percent
Married or common-law	1	9,475	61.3	1	9,331	62.5
Never married (single)	2	2,386	15.4	2	2,131	14.3
Other (separated, divorced, or widowed)	3	3,596	23.3	3	3,458	23.2
RPAGE	RPAGE	Frequency	Percent	RPAGE	Frequency	Percent
Less than 25 years	24	765	4.9	24	580	3.9
	25	200	1.3	25	175	1.2
	26	236	1.5	26	204	1.4
	27	236	1.5	27	216	1.4
	28	266	1.7	28	245	1.6
	29	250	1.6	29	231	1.5
	30	257	1.7	30	241	1.6
	31	307	2.0	31	286	1.9
	32	300	1.9	32	290	1.9
	33	374	2.4	33	362	2.4
	34	395	2.6	34	379	2.5
	35	401	2.6	35	395	2.6
	36	387	2.5	36	379	2.5
	37	398	2.6	37	389	2.6
	38	366	2.4	38	355	2.4
	39	423	2.7	39	414	2.8
	40	426	2.8	40	415	2.8
	41	383	2.5	41	373	2.5
	42	339	2.2	42	331	2.2
	43	359	2.3	43	357	2.4
	44	361	2.3	44	353	2.4
	45	313	2.0	45	310	2.1
	46	354	2.3	46	349	2.3
	47	335	2.2	47	328	2.2
	48	331	2.1	48	329	2.2
	49	314	2.0	49	307	2.1
	50	312	2.0	50	307	2.1
	51	317	2.1	51	312	2.1
	52	266	1.7	52	264	1.8
	53	257	1.7	53	255	1.7
	54	231	1.5	54	228	1.5
	55	250	1.6	55	247	1.7
	56	228	1.5	56	226	1.5
	57	190	1.2	57	185	1.2
	58	205	1.3	58	201	1.3
	59	178	1.2	59	177	1.2
	60	184	1.2	60	184	1.2
	61	193	1.2	61	193	1.3
	62	202	1.3	62	200	1.3

Full-year and Part-year Households				Full-year Households		
	63	190	1.2	63	189	1.3
	64	176	1.1	64	174	1.2
	65	174	1.1	65	171	1.1
	66	162	1.0	66	162	1.1
	67	182	1.2	67	182	1.2
	68	180	1.2	68	178	1.2
	69	161	1.0	69	159	1.1
	70	176	1.1	70	175	1.2
	71	183	1.2	71	183	1.2
	72	160	1.0	72	158	1.1
	73	171	1.1	73	170	1.1
	74	139	0.9	74	139	0.9
	75	155	1.0	75	154	1.0
	76	142	0.9	76	140	0.9
	77	121	0.8	77	121	0.8
	78	129	0.8	78	129	0.9
	79	98	0.6	79	98	0.7
80 - 84 years	80	432	2.8	80	430	2.9
85 years and over	85	237	1.5	85	236	1.6
RPAGEGRP	RPAGEGRP	Frequency	Percent	RPAGEGRP	Frequency	Percent
Less than 25 years	01	765	4.9	01	580	3.9
25 - 29 years	02	1,188	7.7	02	1,071	7.2
30 - 34 years	03	1,633	10.6	03	1,558	10.4
35 - 39 years	04	1,975	12.8	04	1,932	12.9
40 - 44 years	05	1,868	12.1	05	1,829	12.3
45 - 49 years	06	1,647	10.7	06	1,623	10.9
50 - 54 years	07	1,383	8.9	07	1,366	9.2
55 - 59 years	08	1,051	6.8	08	1,036	6.9
60 - 64 years	09	945	6.1	09	940	6.3
65 - 69 years	10	859	5.6	10	852	5.7
70 - 74 years	11	829	5.4	11	825	5.5
75 - 79 years	12	645	4.2	12	642	4.3
80 - 84 years	13	432	2.8	13	430	2.9
85 years and over	14	237	1.5	14	236	1.6
RPSEX	RPSEX	Frequency	Percent	RPSEX	Frequency	Percent
Male	1	7,912	51.2	1	7,646	51.2
Female	2	7,545	48.8	2	7,274	48.8
RPWEEKFT	RPWEEKFT	Frequency	Percent	RPWEEKFT	Frequency	Percent
	00	6,663	43.1	00	6,447	43.2
	01	9	0.1	01	9	0.1
	02	25	0.2	02	23	0.2
	03	18	0.1	03	14	0.1
	04	51	0.3	04	38	0.3
	05	17	0.1	05	14	0.1
	06	30	0.2	06	25	0.2
	07	11	0.1	07	10	0.1
	08	75	0.5	08	53	0.4

Full-year and Part-year Households				Full-year Households		
	09	27	0.2	09	21	0.1
	10	73	0.5	10	65	0.4
	11	17	0.1	11	16	0.1
	12	134	0.9	12	110	0.7
	13	39	0.3	13	32	0.2
	14	68	0.4	14	60	0.4
	15	38	0.2	15	36	0.2
	16	147	1.0	16	110	0.7
	17	32	0.2	17	23	0.2
	18	33	0.2	18	30	0.2
	19	14	0.1	19	12	0.1
	20	122	0.8	20	102	0.7
	21	26	0.2	21	22	0.1
	22	56	0.4	22	43	0.3
	23	17	0.1	23	16	0.1
	24	83	0.5	24	78	0.5
	25	34	0.2	25	30	0.2
	26	260	1.7	26	224	1.5
	27	23	0.1	27	22	0.1
	28	77	0.5	28	66	0.4
	29	19	0.1	29	18	0.1
	30	102	0.7	30	89	0.6
	31	10	0.1	31	8	0.1
	32	118	0.8	32	105	0.7
	33	13	0.1	33	10	0.1
	34	43	0.3	34	40	0.3
	35	33	0.2	35	31	0.2
	36	113	0.7	36	108	0.7
	37	22	0.1	37	22	0.1
	38	38	0.2	38	35	0.2
	39	38	0.2	39	35	0.2
	40	167	1.1	40	164	1.1
	41	9	0.1	41	9	0.1
	42	61	0.4	42	57	0.4
	43	25	0.2	43	23	0.2
	44	98	0.6	44	94	0.6
	45	35	0.2	45	35	0.2
	46	75	0.5	46	71	0.5
	47	28	0.2	47	28	0.2
	48	138	0.9	48	135	0.9
	49	33	0.2	49	33	0.2
	50	95	0.6	50	95	0.6
	51	36	0.2	51	35	0.2
	52	5,889	38.1	52	5,889	39.5
RPWEEKPT	RPWEEKPT	Frequency	Percent	RPWEEKPT	Frequency	Percent
	00	13,061	84.5	00	12,639	84.7
	01	42	0.3	01	37	0.2
	02	68	0.4	02	63	0.4
	03	39	0.3	03	38	0.3

Full-year and Part-year Households				Full-year Households		
	04	78	0.5	04	68	0.5
	05	19	0.1	05	18	0.1
	06	53	0.3	06	48	0.3
	07	21	0.1	07	20	0.1
	08	96	0.6	08	90	0.6
	09	27	0.2	09	26	0.2
	10	92	0.6	10	87	0.6
	11	13	0.1	11	12	0.1
	12	120	0.8	12	107	0.7
	13	32	0.2	13	29	0.2
	14	32	0.2	14	29	0.2
	15	26	0.2	15	26	0.2
	16	111	0.7	16	95	0.6
	17	23	0.1	17	19	0.1
	18	24	0.2	18	22	0.1
	19	5	0.0	19	3	0.0
	20	103	0.7	20	97	0.7
	21	10	0.1	21	10	0.1
	22	23	0.1	22	21	0.1
	23	5	0.0	23	5	0.0
	24	56	0.4	24	55	0.4
	25	22	0.1	25	19	0.1
	26	147	1.0	26	140	0.9
	27	6	0.0	27	6	0.0
	28	27	0.2	28	25	0.2
	29	3	0.0	29	3	0.0
	30	39	0.3	30	38	0.3
	31	4	0.0	31	4	0.0
	32	39	0.3	32	38	0.3
	33	5	0.0	33	5	0.0
	34	16	0.1	34	16	0.1
	35	10	0.1	35	8	0.1
	36	45	0.3	36	45	0.3
	37	6	0.0	37	6	0.0
	38	8	0.1	38	8	0.1
	39	8	0.1	39	7	0.0
	40	78	0.5	40	76	0.5
	41	3	0.0	41	2	0.0
	42	12	0.1	42	12	0.1
	43	6	0.0	43	6	0.0
	44	24	0.2	44	24	0.2
	45	21	0.1	45	21	0.1
	46	18	0.1	46	18	0.1
	47	4	0.0	47	4	0.0
	48	37	0.2	48	35	0.2
	49	9	0.1	49	9	0.1
	50	23	0.1	50	23	0.2
	51	4	0.0	51	4	0.0
	52	654	4.2	52	654	4.4

Full-year and Part-year Households				Full-year Households		
RPPREVDW	RPPREVDW	Frequency	Percent	RPPREVDW	Frequency	Percent
Before 1993	1	7,859	50.8	1	7,859	52.7
Owned	2	2,180	14.1	2	2,119	14.2
Rented	3	4,699	30.4	3	4,520	30.3
Did not maintain own dwelling	4	719	4.7	4	422	2.8
SPAGE	SPAGE	Frequency	Percent	SPAGE	Frequency	Percent
Less than 25 years	24	339	2.2	24	290	1.9
	25	124	0.8	25	115	0.8
	26	130	0.8	26	125	0.8
	27	154	1.0	27	148	1.0
	28	147	1.0	28	139	0.9
	29	164	1.1	29	156	1.0
	30	191	1.2	30	188	1.3
	31	185	1.2	31	177	1.2
	32	210	1.4	32	208	1.4
	33	259	1.7	33	257	1.7
	34	257	1.7	34	254	1.7
	35	264	1.7	35	263	1.8
	36	278	1.8	36	273	1.8
	37	283	1.8	37	281	1.9
	38	283	1.8	38	280	1.9
	39	289	1.9	39	286	1.9
	40	281	1.8	40	277	1.9
	41	246	1.6	41	244	1.6
	42	234	1.5	42	232	1.6
	43	255	1.6	43	254	1.7
	44	277	1.8	44	275	1.8
	45	219	1.4	45	217	1.5
	46	212	1.4	46	211	1.4
	47	218	1.4	47	217	1.5
	48	235	1.5	48	234	1.6
	49	224	1.4	49	224	1.5
	50	222	1.4	50	222	1.5
	51	243	1.6	51	242	1.6
	52	178	1.2	52	177	1.2
	53	152	1.0	53	151	1.0
	54	164	1.1	54	163	1.1
	55	167	1.1	55	166	1.1
	56	140	0.9	56	140	0.9
	57	150	1.0	57	149	1.0
	58	125	0.8	58	124	0.8
	59	131	0.8	59	130	0.9
	60	123	0.8	60	123	0.8
	61	129	0.8	61	129	0.9
	62	104	0.7	62	104	0.7
	63	107	0.7	63	107	0.7
	64	122	0.8	64	121	0.8
	65	117	0.8	65	116	0.8
	66	108	0.7	66	108	0.7



Full-year and Part-year Households				Full-year Households		
	67	98	0.6	67	98	0.7
	68	85	0.5	68	85	0.6
	69	91	0.6	69	91	0.6
	70	85	0.5	70	85	0.6
	71	80	0.5	71	80	0.5
	72	65	0.4	72	65	0.4
	73	76	0.5	73	76	0.5
	74	54	0.3	74	53	0.4
	75	54	0.3	75	54	0.4
	76	54	0.3	76	54	0.4
	77	53	0.3	77	53	0.4
	78	37	0.2	78	37	0.2
	79	36	0.2	79	36	0.2
80 - 84 years	80	119	0.8	80	119	0.8
85 years and over	85	48	0.3	85	48	0.3
No spouse	99	5,982	38.7	99	5,589	37.5
SPAGEGRP	SPAGEGRP	Frequency	Percent	SPAGEGRP	Frequency	Percent
Less than 25 years	01	339	2.2	01	290	1.9
25 - 29	02	719	4.7	02	683	4.6
30 - 34	03	1,102	7.1	03	1,084	7.3
35 - 39	04	1,397	9.0	04	1,383	9.3
40 - 44	05	1,293	8.4	05	1,282	8.6
45 - 49	06	1,108	7.2	06	1,103	7.4
50 - 54	07	959	6.2	07	955	6.4
55 - 59	08	713	4.6	08	709	4.8
60 - 64	09	585	3.8	09	584	3.9
65 - 69	10	499	3.2	10	498	3.3
70 - 74	11	360	2.3	11	359	2.4
75 - 79	12	234	1.5	12	234	1.6
80 - 84	13	119	0.8	13	119	0.8
85 years and over	14	48	0.3	14	48	0.3
No spouse	99	5,982	38.7	99	5,589	37.5
SPSEX	SPSEX	Frequency	Percent	SPSEX	Frequency	Percent
Male	1	3,829	24.8	1	3,763	25.2
Female	2	5,646	36.5	2	5,568	37.3
No spouse	9	5,982	38.7	9	5,589	37.5
SPWEEKFT	SPWEEKFT	Frequency	Percent	SPWEEKFT	Frequency	Percent
	00	3,947	25.5	00	3,890	26.1
	01	8	0.1	01	7	0.0
	02	14	0.1	02	14	0.1
	03	9	0.1	03	9	0.1
	04	21	0.1	04	17	0.1
	05	17	0.1	05	12	0.1
	06	17	0.1	06	16	0.1
	07	3	0.0	07	2	0.0
	08	40	0.3	08	36	0.2
	09	10	0.1	09	9	0.1

Full-year and Part-year Households				Full-year Households		
	10	36	0.2	10	33	0.2
	11	6	0.0	11	6	0.0
	12	69	0.4	12	63	0.4
	13	16	0.1	13	15	0.1
	14	40	0.3	14	38	0.3
	15	22	0.1	15	22	0.1
	16	86	0.6	16	75	0.5
	17	23	0.1	17	20	0.1
	18	34	0.2	18	32	0.2
	19	14	0.1	19	14	0.1
	20	99	0.6	20	93	0.6
	21	14	0.1	21	13	0.1
	22	23	0.1	22	22	0.1
	23	12	0.1	23	11	0.1
	24	58	0.4	24	56	0.4
	25	20	0.1	25	19	0.1
	26	170	1.1	26	158	1.1
	27	11	0.1	27	11	0.1
	28	43	0.3	28	42	0.3
	29	9	0.1	29	9	0.1
	30	56	0.4	30	54	0.4
	31	1	0.0	31	1	0.0
	32	70	0.5	32	67	0.4
	33	8	0.1	33	8	0.1
	34	22	0.1	34	21	0.1
	35	24	0.2	35	22	0.1
	36	66	0.4	36	66	0.4
	37	5	0.0	37	5	0.0
	38	23	0.1	38	21	0.1
	39	14	0.1	39	14	0.1
	40	121	0.8	40	118	0.8
	41	10	0.1	41	9	0.1
	42	27	0.2	42	27	0.2
	43	16	0.1	43	15	0.1
	44	61	0.4	44	61	0.4
	45	24	0.2	45	24	0.2
	46	27	0.2	46	27	0.2
	47	10	0.1	47	10	0.1
	48	72	0.5	48	70	0.5
	49	20	0.1	49	20	0.1
	50	67	0.4	50	67	0.4
	51	11	0.1	51	11	0.1
	52	3,829	24.8	52	3,829	25.7
No spouse	99	5,982	38.7	99	5,589	37.5
SPWEEKPT	SPWEEKPT	Frequency	Percent	SPWEEKPT	Frequency	Percent
	00	8,045	52.0	00	7,929	53.1
	01	23	0.1	01	21	0.1
	02	26	0.2	02	26	0.2
	03	20	0.1	03	19	0.1

	Full-year and Part-year Households			Full-year Households		
	04	35	0.2	04	31	0.2
	05	13	0.1	05	13	0.1
	06	19	0.1	06	19	0.1
	07	7	0.0	07	7	0.0
	08	31	0.2	08	30	0.2
	09	11	0.1	09	9	0.1
	10	54	0.3	10	52	0.3
	11	6	0.0	11	5	0.0
	12	61	0.4	12	58	0.4
	13	15	0.1	13	13	0.1
	14	13	0.1	14	13	0.1
	15	12	0.1	15	11	0.1
	16	52	0.3	16	49	0.3
	17	8	0.1	17	8	0.1
	18	9	0.1	18	9	0.1
	19	3	0.0	19	3	0.0
	20	64	0.4	20	63	0.4
	21	6	0.0	21	6	0.0
	22	19	0.1	22	18	0.1
	23	2	0.0	23	2	0.0
	24	26	0.2	24	26	0.2
	25	20	0.1	25	20	0.1
	26	101	0.7	26	100	0.7
	27	3	0.0	27	3	0.0
	28	14	0.1	28	14	0.1
	30	29	0.2	30	28	0.2
	31	2	0.0	31	2	0.0
	32	23	0.1	32	23	0.2
	33	3	0.0	33	3	0.0
	34	3	0.0	34	3	0.0
	35	13	0.1	35	12	0.1
	36	27	0.2	36	27	0.2
	37	1	0.0	37	1	0.0
	38	4	0.0	38	4	0.0
	39	12	0.1	39	12	0.1
	40	57	0.4	40	57	0.4
	41	4	0.0	41	4	0.0
	42	7	0.0	42	7	0.0
	43	2	0.0	43	2	0.0
	44	12	0.1	44	12	0.1
	45	6	0.0	45	6	0.0
	46	5	0.0	46	5	0.0
	47	3	0.0	47	3	0.0
	48	18	0.1	48	17	0.1
	49	10	0.1	49	10	0.1
	50	13	0.1	50	13	0.1
	51	1	0.0	51	1	0.0
	52	499	3.2	52	499	3.3
No spouse	99	5,982	38.7	99	5,589	37.5

Full-year and Part-year Households				Full-year Households		
SPPREVDW	SPPREVDW	Frequency	Percent	SPPREVDW	Frequency	Percent
Before 1993	1	5,319	34.4	1	5,319	35.7
Owned	2	1,448	9.4	2	1,433	9.6
Rented	3	2,285	14.8	3	2,248	15.1
Did not maintain own dwelling	4	423	2.7	4	331	2.2
No spouse	9	5,982	38.7	9	5,589	37.5
ECFAM	ECFAM	Frequency	Percent	ECFAM	Frequency	Percent
1	1	14,741	95.4	1	14,311	95.9
2 or more	2	716	4.6	2	609	4.1
HHTYPE	HHTYPE	Frequency	Percent	HHTYPE	Frequency	Percent
One person	1	3,574	23.1	1	3,364	22.5
Married couple only	2	3,708	24.0	2	3,630	24.3
Married couple with single children only	3	5,133	33.2	3	5,075	34.0
Married couple with relatives or unrelated persons	4	634	4.1	4	626	4.2
Lone parent (person aged 17 years and over with child) with no additional persons	5	1,271	8.2	5	1,197	8.0
Other household with relative(s)	6	610	3.9	6	594	4.0
Other household with unrelated person(s)	7	527	3.4	7	434	2.9
HHSZD31	HHSZD31	Frequency	Percent	HHSZD31	Frequency	Percent
	01	3,713	24.0	01	3,496	23.4
	02	5,086	32.9	02	4,882	32.7
	03	2,558	16.5	03	2,483	16.6
	04	2,552	16.5	04	2,528	16.9
	05	1,101	7.1	05	1,087	7.3
	06	302	2.0	06	299	2.0
	07	86	0.6	07	86	0.6
	08	28	0.2	08	28	0.2
	09	17	0.1	09	17	0.1
	10	9	0.1	10	9	0.1
	11	3	0.0	11	3	0.0
	13	1	0.0	13	1	0.0
	14	1	0.0	14	1	0.0
MA04D31D	MA04D31	Frequency	Percent	MA04D31	Frequency	Percent
	0	14,199	91.9	0	13,699	91.8
	1	1,087	7.0	1	1,052	7.1
	2	161	1.0	2	160	1.1
	3	9	0.1	3	8	0.1
	4	1	0.0	4	1	0.0
FE04D31	FE04D31	Frequency	Percent	FE04D31	Frequency	Percent
	0	14,260	92.3	0	13,764	92.3
	1	1,053	6.8	1	1,013	6.8

Full-year and Part-year Households				Full-year Households		
	2	137	0.9	2	136	0.9
	3	6	0.0	3	6	0.0
	4	1	0.0	4	1	0.0
<b>MA517D31</b>	MA517D31	Frequency	Percent	MA517D31	Frequency	Percent
	0	12,383	80.1	0	11,900	79.8
	1	2,173	14.1	1	2,130	14.3
	2	750	4.9	2	743	5.0
	3	125	0.8	3	121	0.8
	4	22	0.1	4	22	0.1
	5	3	0.0	5	3	0.0
	6	1	0.0	6	1	0.0
<b>FE517D31</b>	FE517D31	Frequency	Percent	FE517D31	Frequency	Percent
	0	12,512	80.9	0	12,030	80.6
	1	2,204	14.3	1	2,159	14.5
	2	622	4.0	2	613	4.1
	3	103	0.7	3	102	0.7
	4	14	0.1	4	14	0.1
	5	2	0.0	5	2	0.0
<b>Y1824D31</b>	Y1824D31	Frequency	Percent	Y1824D31	Frequency	Percent
	0	12,719	82.3	0	12,409	83.2
	1	1,986	12.8	1	1,845	12.4
	2	675	4.4	2	602	4.0
	3	66	0.4	3	55	0.4
	4	7	0.0	4	5	0.0
	5	4	0.0	5	4	0.0
<b>A2564D31</b>	A2564D31	Frequency	Percent	A2564D31	Frequency	Percent
	0	3,056	19.8	0	2,876	19.3
	1	4,245	27.5	1	3,991	26.7
	2	7,597	49.1	2	7,500	50.3
	3	466	3.0	3	461	3.1
	4	75	0.5	4	74	0.5
	5	11	0.1	5	11	0.1
	6	6	0.0	6	6	0.0
	7	1	0.0	7	1	0.0
<b>SE65D31</b>	SE65D31	Frequency	Percent	SE65D31	Frequency	Percent
	0	12,004	77.7	0	11,488	77.0
	1	2,289	14.8	1	2,269	15.2
	2	1,154	7.5	2	1,153	7.7
	3	10	0.1	3	10	0.1
<b>HHSZTOT</b>	HHSZTOT	Frequency	Percent	HHSZTOT	Frequency	Percent
	01	3,574	23.1	01	3,364	22.5
	02	5,046	32.6	02	4,846	32.5
	03	2,599	16.8	03	2,515	16.9

Full-year and Part-year Households				Full-year Households		
	04	2,615	16.9	04	2,590	17.4
	05	1,133	7.3	05	1,118	7.5
	06	333	2.2	06	330	2.2
	07	92	0.6	07	92	0.6
	08	32	0.2	08	32	0.2
	09	16	0.1	09	16	0.1
	10	11	0.1	10	11	0.1
	11	3	0.0	11	3	0.0
	13	2	0.0	13	2	0.0
	14	1	0.0	14	1	0.0
AGEYOUNG	AGEYOUNG	Frequency	Percent	AGEYOUNG	Frequency	Percent
	00	460	3.0	00	441	3.0
	01	495	3.2	01	476	3.2
	02	421	2.7	02	407	2.7
	03	360	2.3	03	344	2.3
	04	323	2.1	04	318	2.1
	05	310	2.0	05	303	2.0
	06	324	2.1	06	319	2.1
	07	307	2.0	07	297	2.0
	08	266	1.7	08	262	1.8
	09	293	1.9	09	286	1.9
	10	263	1.7	10	260	1.7
	11	242	1.6	11	240	1.6
	12	251	1.6	12	245	1.6
	13	275	1.8	13	269	1.8
	14	273	1.8	14	269	1.8
	15	238	1.5	15	234	1.6
	16	216	1.4	16	215	1.4
	17	236	1.5	17	232	1.6
	18	251	1.6	18	249	1.7
	19	177	1.1	19	177	1.2
	20	140	0.9	20	140	0.9
	21	121	0.8	21	119	0.8
	22	120	0.8	22	119	0.8
	23	82	0.5	23	81	0.5
	24	85	0.5	24	85	0.6
25 years and over	25	518	3.4	25	518	3.5
Without children	99	8,410	54.4	99	8,015	53.7
NUMWKS	NUMWKS	Frequency	Percent	NUMWKS	Frequency	Percent
	002	2	0.0	052	3,364	22.5
	003	1	0.0	053	6	0.0
	004	17	0.1	054	3	0.0
	005	1	0.0	056	6	0.0
	006	1	0.0	057	1	0.0
	007	2	0.0	058	3	0.0
	008	23	0.1	059	1	0.0
	012	19	0.1	060	13	0.1
	013	6	0.0	061	1	0.0

	Full-year and Part-year Households			Full-year Households		
	014	3	0.0	062	1	0.0
	016	30	0.2	063	1	0.0
	017	7	0.0	064	16	0.1
	018	10	0.1	065	6	0.0
	019	1	0.0	066	1	0.0
	020	17	0.1	067	3	0.0
	021	3	0.0	068	24	0.2
	022	6	0.0	069	10	0.1
	024	16	0.1	070	3	0.0
	025	3	0.0	072	14	0.1
	026	28	0.2	073	5	0.0
	028	17	0.1	074	4	0.0
	029	1	0.0	075	1	0.0
	030	12	0.1	076	10	0.1
	031	1	0.0	077	4	0.0
	032	29	0.2	078	38	0.3
	033	1	0.0	080	10	0.1
	034	9	0.1	082	5	0.0
	035	2	0.0	083	1	0.0
	036	16	0.1	084	6	0.0
	038	2	0.0	085	2	0.0
	039	10	0.1	086	5	0.0
	040	20	0.1	087	3	0.0
	042	5	0.0	088	14	0.1
	043	1	0.0	089	3	0.0
	044	14	0.1	090	3	0.0
	045	2	0.0	091	4	0.0
	046	4	0.0	092	9	0.1
	047	1	0.0	093	2	0.0
	048	19	0.1	094	5	0.0
	050	2	0.0	095	4	0.0
	051	5	0.0	096	7	0.0
	052	3,389	21.9	097	4	0.0
	053	7	0.0	098	2	0.0
	054	3	0.0	099	2	0.0
	055	1	0.0	100	14	0.1
	056	11	0.1	101	1	0.0
	057	1	0.0	102	5	0.0
	058	5	0.0	103	4	0.0
	059	1	0.0	104	4,597	30.8
	060	23	0.1	105	6	0.0
	061	2	0.0	106	7	0.0
	062	3	0.0	107	8	0.1
	063	1	0.0	108	12	0.1
	064	26	0.2	109	3	0.0
	065	7	0.0	110	5	0.0
	066	5	0.0	111	1	0.0
	067	3	0.0	112	18	0.1
	068	29	0.2	113	3	0.0
	069	11	0.1	114	5	0.0

Full-year and Part-year Households				Full-year Households		
	070	8	0.1	115	8	0.1
	071	1	0.0	116	19	0.1
	072	21	0.1	117	4	0.0
	073	5	0.0	118	8	0.1
	074	5	0.0	119	3	0.0
	075	2	0.0	120	19	0.1
	076	11	0.1	121	1	0.0
	077	4	0.0	122	11	0.1
	078	47	0.3	123	5	0.0
	079	1	0.0	124	18	0.1
	080	19	0.1	125	3	0.0
	082	5	0.0	126	5	0.0
	083	1	0.0	127	4	0.0
	084	7	0.0	128	12	0.1
	085	3	0.0	129	5	0.0
	086	9	0.1	130	44	0.3
	087	3	0.0	131	5	0.0
	088	17	0.1	132	16	0.1
	089	3	0.0	133	1	0.0
	090	4	0.0	134	11	0.1
	091	4	0.0	135	4	0.0
	092	11	0.1	136	22	0.1
	093	2	0.0	137	2	0.0
	094	5	0.0	138	6	0.0
	095	5	0.0	139	8	0.1
	096	16	0.1	140	16	0.1
	097	4	0.0	141	3	0.0
	098	2	0.0	142	7	0.0
	099	2	0.0	143	9	0.1
	100	16	0.1	144	16	0.1
	101	1	0.0	145	4	0.0
	102	5	0.0	146	5	0.0
	103	4	0.0	147	6	0.0
	104	4,599	29.8	148	13	0.1
	105	8	0.1	149	2	0.0
	106	7	0.0	150	9	0.1
	107	9	0.1	151	6	0.0
	108	13	0.1	152	11	0.1
	109	3	0.0	153	7	0.0
	110	6	0.0	154	6	0.0
	111	1	0.0	155	12	0.1
	112	20	0.1	156	2,085	14.0
	113	3	0.0	157	3	0.0
	114	6	0.0	158	9	0.1
	115	8	0.1	159	6	0.0
	116	21	0.1	160	11	0.1
	117	4	0.0	161	2	0.0
	118	9	0.1	162	9	0.1
	119	3	0.0	163	4	0.0
	120	22	0.1	164	19	0.1



Full-year and Part-year Households				Full-year Households		
	121	1	0.0	165	1	0.0
	122	11	0.1	166	5	0.0
	123	7	0.0	167	1	0.0
	124	18	0.1	168	8	0.1
	125	3	0.0	169	4	0.0
	126	6	0.0	170	6	0.0
	127	4	0.0	171	6	0.0
	128	13	0.1	172	17	0.1
	129	5	0.0	173	3	0.0
	130	45	0.3	174	5	0.0
	131	6	0.0	175	2	0.0
	132	17	0.1	176	14	0.1
	133	1	0.0	177	4	0.0
	134	11	0.1	178	4	0.0
	135	5	0.0	179	1	0.0
	136	22	0.1	180	6	0.0
	137	2	0.0	181	3	0.0
	138	6	0.0	182	29	0.2
	139	8	0.1	183	3	0.0
	140	17	0.1	184	7	0.0
	141	3	0.0	186	10	0.1
	142	7	0.0	187	3	0.0
	143	9	0.1	188	16	0.1
	144	20	0.1	189	3	0.0
	145	4	0.0	190	5	0.0
	146	5	0.0	191	5	0.0
	147	6	0.0	192	16	0.1
	148	13	0.1	193	5	0.0
	149	2	0.0	194	1	0.0
	150	9	0.1	195	3	0.0
	151	6	0.0	196	11	0.1
	152	11	0.1	197	2	0.0
	153	8	0.1	198	6	0.0
	154	6	0.0	199	5	0.0
	155	12	0.1	200	10	0.1
	156	2,086	13.5	201	2	0.0
	157	3	0.0	202	9	0.1
	158	9	0.1	203	3	0.0
	159	6	0.0	204	12	0.1
	160	13	0.1	205	3	0.0
	161	2	0.0	206	6	0.0
	162	9	0.1	207	4	0.0
	163	4	0.0	208	2,252	15.1
	164	19	0.1	209	6	0.0
	165	1	0.0	210	6	0.0
	166	5	0.0	211	2	0.0
	167	1	0.0	212	7	0.0
	168	9	0.1	213	2	0.0
	169	4	0.0	214	4	0.0
	170	6	0.0	215	2	0.0

Full-year and Part-year Households				Full-year Households		
	171	6	0.0	216	6	0.0
	172	17	0.1	217	1	0.0
	173	3	0.0	218	4	0.0
	174	5	0.0	219	1	0.0
	175	2	0.0	220	4	0.0
	176	14	0.1	221	4	0.0
	177	4	0.0	222	2	0.0
	178	4	0.0	223	1	0.0
	179	1	0.0	224	11	0.1
	180	7	0.0	225	3	0.0
	181	3	0.0	226	5	0.0
	182	29	0.2	227	2	0.0
	183	3	0.0	228	3	0.0
	184	7	0.0	229	2	0.0
	186	10	0.1	230	3	0.0
	187	3	0.0	231	1	0.0
	188	16	0.1	232	8	0.1
	189	3	0.0	234	16	0.1
	190	5	0.0	235	3	0.0
	191	5	0.0	236	5	0.0
	192	18	0.1	237	2	0.0
	193	5	0.0	238	9	0.1
	194	1	0.0	239	2	0.0
	195	3	0.0	240	10	0.1
	196	11	0.1	241	1	0.0
	197	2	0.0	242	5	0.0
	198	6	0.0	244	7	0.0
	199	5	0.0	245	1	0.0
	200	10	0.1	246	4	0.0
	201	2	0.0	247	3	0.0
	202	9	0.1	248	5	0.0
	203	3	0.0	249	1	0.0
	204	12	0.1	250	1	0.0
	205	3	0.0	251	2	0.0
	206	6	0.0	252	7	0.0
	207	4	0.0	253	2	0.0
	208	2,253	14.6	254	2	0.0
	209	6	0.0	255	2	0.0
	210	6	0.0	256	4	0.0
	211	2	0.0	258	1	0.0
	212	7	0.0	259	8	0.1
	213	2	0.0	260	909	6.1
	214	4	0.0	262	1	0.0
	215	2	0.0	263	1	0.0
	216	7	0.0	264	2	0.0
	217	1	0.0	265	3	0.0
	218	4	0.0	266	1	0.0
	219	1	0.0	268	3	0.0
	220	4	0.0	269	1	0.0
	221	4	0.0	272	7	0.0

Full-year and Part-year Households				Full-year Households		
	222	2	0.0	273	1	0.0
	223	1	0.0	274	2	0.0
	224	11	0.1	275	2	0.0
	225	3	0.0	276	4	0.0
	226	5	0.0	277	2	0.0
	227	2	0.0	278	2	0.0
	228	3	0.0	280	3	0.0
	229	2	0.0	281	1	0.0
	230	3	0.0	282	3	0.0
	231	1	0.0	284	1	0.0
	232	8	0.1	286	6	0.0
	234	18	0.1	287	2	0.0
	235	3	0.0	288	1	0.0
	236	5	0.0	290	1	0.0
	237	2	0.0	292	4	0.0
	238	9	0.1	296	2	0.0
	239	2	0.0	298	2	0.0
	240	10	0.1	300	4	0.0
	241	1	0.0	302	3	0.0
	242	5	0.0	304	2	0.0
	244	7	0.0	306	1	0.0
	245	1	0.0	308	1	0.0
	246	4	0.0	309	1	0.0
	247	3	0.0	311	1	0.0
	248	5	0.0	312	240	1.6
	249	1	0.0	313	1	0.0
	250	1	0.0	316	1	0.0
	251	2	0.0	320	1	0.0
	252	7	0.0	322	1	0.0
	253	2	0.0	327	1	0.0
	254	2	0.0	328	2	0.0
	255	2	0.0	334	1	0.0
	256	4	0.0	335	1	0.0
	258	1	0.0	336	1	0.0
	259	8	0.1	338	1	0.0
	260	909	5.9	340	1	0.0
	262	1	0.0	348	2	0.0
	263	1	0.0	349	1	0.0
	264	2	0.0	350	1	0.0
	265	3	0.0	351	1	0.0
	266	1	0.0	362	2	0.0
	268	3	0.0	363	2	0.0
	269	1	0.0	364	61	0.4
	272	7	0.0	366	1	0.0
	273	1	0.0	367	1	0.0
	274	2	0.0	368	1	0.0
	275	2	0.0	370	1	0.0
	276	4	0.0	376	1	0.0
	277	2	0.0	384	1	0.0
	278	2	0.0	386	1	0.0

Full-year and Part-year Households				Full-year Households		
	280	3	0.0	388	1	0.0
	281	1	0.0	400	2	0.0
	282	3	0.0	416	22	0.1
	284	1	0.0	432	1	0.0
	286	6	0.0	440	1	0.0
	287	2	0.0	448	1	0.0
	288	1	0.0	464	1	0.0
	290	1	0.0	467	1	0.0
	292	4	0.0	468	10	0.1
	296	2	0.0	476	1	0.0
	298	2	0.0	493	1	0.0
	300	4	0.0	494	1	0.0
	302	3	0.0	508	1	0.0
	304	2	0.0	509	1	0.0
	306	1	0.0	519	1	0.0
	308	1	0.0	520	4	0.0
	309	1	0.0	572	3	0.0
	311	1	0.0	676	1	0.0
	312	240	1.6			
	313	1	0.0			
	316	1	0.0			
	320	1	0.0			
	322	1	0.0			
	327	1	0.0			
	328	2	0.0			
	334	1	0.0			
	335	1	0.0			
	336	1	0.0			
	338	1	0.0			
	340	1	0.0			
	348	2	0.0			
	349	1	0.0			
	350	1	0.0			
	351	1	0.0			
	362	2	0.0			
	363	2	0.0			
	364	61	0.4			
	366	1	0.0			
	367	1	0.0			
	368	1	0.0			
	370	1	0.0			
	376	1	0.0			
	384	1	0.0			
	386	1	0.0			
	388	1	0.0			
	400	2	0.0			
	416	22	0.1			
	432	1	0.0			
	440	1	0.0			
	448	1	0.0			

Full-year and Part-year Households				Full-year Households		
	464	1	0.0			
	467	1	0.0			
	468	10	0.1			
	476	1	0.0			
	493	1	0.0			
	494	1	0.0			
	508	1	0.0			
	509	1	0.0			
	519	1	0.0			
	520	4	0.0			
	572	3	0.0			
	676	1	0.0			
NUMFT	NUMFT	Frequency	Percent	NUMFT	Frequency	Percent
None	0	7,250	46.9	0	6,723	45.1
1	1	5,483	35.5	1	5,474	36.7
2 or more	2	2,724	17.6	2	2,723	18.3
NUMPT	NUMPT	Frequency	Percent	NUMPT	Frequency	Percent
None	0	8,186	53.0	0	8,066	54.1
1	1	4,946	32.0	1	4,692	31.4
2	2	1,834	11.9	2	1,689	11.3
3 or more	3	491	3.2	3	473	3.2
MAJINCSC	MAJINCSC	Frequency	Percent	MAJINCSC	Frequency	Percent
All sources = 0	0	27	0.2	0	18	0.1
Major source is wages and salaries or self-employment income	1	10,282	66.5	1	9,900	66.4
Major source is investment income	2	254	1.6	2	250	1.7
Major source is government transfer payments	3	3,942	25.5	3	3,821	25.6
Major source is miscellaneous income	4	952	6.2	4	931	6.2
EMPLINS	EMPLINS	Frequency	Percent	EMPLINS	Frequency	Percent
Employment insurance benefit = 0	0	12,793	82.8	0	12,336	82.7
Employment insurance benefit > 0	1	2,664	17.2	1	2,584	17.3
WASHER	WASHER	Frequency	Percent	WASHER	Frequency	Percent
None	0	2,691	17.4	0	2,407	16.1
Automatic	1	12,454	80.6	1	12,208	81.8
Any other kind	2	312	2.0	2	305	2.0
DRYER	DRYER	Frequency	Percent	DRYER	Frequency	Percent
None	0	3,149	20.4	0	2,849	19.1
Electric	1	11,904	77.0	1	11,672	78.2

Full-year and Part-year Households				Full-year Households		
Gas	2	404	2.6	2	399	2.7
<b>DSHWASH</b>	DSHWASH	Frequency	Percent	DSHWASH	Frequency	Percent
None	0	8,133	52.6	0	7,707	51.7
Built-in automatic	1	6,238	40.4	1	6,139	41.1
Portable automatic	2	1,086	7.0	2	1,074	7.2
<b>NUMFRIDG</b>	NUMFRIDG	Frequency	Percent	NUMFRIDG	Frequency	Percent
None	0	24	0.2	0	24	0.2
1	1	12,424	80.4	1	11,911	79.8
2	2	2,848	18.4	2	2,825	18.9
3 or more	3	161	1.0	3	160	1.1
<b>FREEZER</b>	FREEZER	Frequency	Percent	FREEZER	Frequency	Percent
No	0	5,551	35.9	0	5,130	34.4
Yes	1	9,906	64.1	1	9,790	65.6
<b>MICROWV</b>	MICROWV	Frequency	Percent	MICROWV	Frequency	Percent
No	0	1,792	11.6	0	1,667	11.2
Yes	1	13,665	88.4	1	13,253	88.8
<b>AIRCON</b>	AIRCON	Frequency	Percent	AIRCON	Frequency	Percent
None	0	11,884	76.9	0	11,435	76.6
Window type	1	1,502	9.7	1	1,450	9.7
Central	2	2,071	13.4	2	2,035	13.6
<b>NUMPHON</b>	NUMPHON	Frequency	Percent	NUMPHON	Frequency	Percent
None	0	358	2.3	0	316	2.1
1	1	3,780	24.5	1	3,541	23.7
2	2	5,556	35.9	2	5,372	36.0
3	3	3,262	21.1	3	3,211	21.5
4	4	1,493	9.7	4	1,476	9.9
5	5	640	4.1	5	637	4.3
6 or more	6	368	2.4	6	367	2.5
<b>NUMPHNUM</b>	NUMPHNUM	Frequency	Percent	NUMPHNUM	Frequency	Percent
None	0	358	2.3	0	316	2.1
1	1	13,586	87.9	1	13,108	87.9
2	2	1,360	8.8	2	1,345	9.0
3 or more	3	153	1.0	3	151	1.0
<b>CELLPHON</b>	CELLPHON	Frequency	Percent	CELLPHON	Frequency	Percent
No	0	11,816	76.4	0	11,394	76.4
Yes	1	3,641	23.6	1	3,526	23.6
<b>CDPLYER</b>	CDPLYER	Frequency	Percent	CDPLYER	Frequency	Percent
No	0	5,348	34.6	0	5,181	34.7
Yes	1	10,109	65.4	1	9,739	65.3

Full-year and Part-year Households				Full-year Households		
CABLETV	CABLETV	Frequency	Percent	CABLETV	Frequency	Percent
No	0	4,264	27.6	0	4,054	27.2
Yes	1	11,193	72.4	1	10,866	72.8
NUMVCR	NUMVCR	Frequency	Percent	NUMVCR	Frequency	Percent
None	0	1,983	12.8	0	1,873	12.6
1	1	9,525	61.6	1	9,162	61.4
2	2	3,234	20.9	2	3,180	21.3
3 or more	3	715	4.6	3	705	4.7
COMPUTER	COMPUTER	Frequency	Percent	COMPUTER	Frequency	Percent
No	0	9,051	58.6	0	8,673	58.1
Yes	1	6,406	41.4	1	6,247	41.9
MODEM	MODEM	Frequency	Percent	MODEM	Frequency	Percent
No	0	1,863	12.1	0	1,825	12.2
Yes	1	4,543	29.4	1	4,422	29.6
No computer	9	9,051	58.6	9	8,673	58.1
INTERNET	INTERNET	Frequency	Percent	INTERNET	Frequency	Percent
No	0	976	6.3	0	952	6.4
Yes	1	3,567	23.1	1	3,470	23.3
No modem	9	10,914	70.6	9	10,498	70.4
NUMCOLTV	NUMCOLTV	Frequency	Percent	NUMCOLTV	Frequency	Percent
None	0	230	1.5	0	203	1.4
1	1	6,640	43.0	1	6,269	42.0
2	2	5,609	36.3	2	5,493	36.8
3	3	2,137	13.8	3	2,118	14.2
4	4	632	4.1	4	628	4.2
5 or more	5	209	1.4	5	209	1.4
NUMVEHON	NUMVEHON	Frequency	Percent	NUMVEHON	Frequency	Percent
None	0	3,274	21.2	0	3,064	20.5
1	1	6,853	44.3	1	6,598	44.2
2	2	4,169	27.0	2	4,110	27.5
3	3	905	5.9	3	896	6.0
4 or more	4	256	1.7	4	252	1.7
VEHLEASD	VEHLEASD	Frequency	Percent	VEHLEASD	Frequency	Percent
No	0	14,296	92.5	0	13,785	92.4
Yes	1	1,161	7.5	1	1,135	7.6

## APPENDIX B

### Part 1 of 3

### Averages, Aggregates, Minimum and Maximum Values

### Public-Use Microdata File – SHS 1998

### (Full-Year and Part-Year Households)

Sample Count		15,457			
Weighted Count		11,690,028			
Pub. stub no.		Average	Aggregate	Minimum	Maximum
	Purchase price of home bought in reference year	5,675	66,346,030,600	0	760,000
	Selling price of home sold in reference year	2,887	33,754,428,400	0	1,700,000
	Additions, renovations and alterations	997	11,657,292,504	0	114,000
	New installations of equipment and fixtures	75	873,502,814	0	27,300
	Income of reference person before taxes	30,450	355,967,124,800	-16,000	1,000,000
	Income of reference person from earnings	22,693	265,286,347,800	-20,000	1,000,000
	Income of reference person from investment	1,217	14,221,801,500	-11,000	190,000
	Income of reference person from government transfer payments	3,914	45,751,975,000	-7,000	170,000
	Income of reference person from other sources	2,642	30,887,280,000	0	280,000
	Income of spouse before taxes	16,541	193,364,944,500	-4,500	400,000
	Income of spouse from earnings	13,857	161,991,128,900	-4,500	400,000
	Income of spouse from investment	438	5,124,262,700	-17,000	280,000
	Income of spouse from government transfer payments	1,492	17,437,341,700	0	220,000
	Income of spouse from other sources	762	8,908,823,800	0	200,000
176	Household income before taxes	51,296	599,654,022,500	-3,900	1,000,000
	Household income from earnings	40,086	468,605,237,700	-10,000	1,000,000
	Household income from investment	1,740	20,339,071,200	-17,000	450,000
	Household income from government transfer payments	5,951	69,561,726,100	-7,000	220,000
	Household income from other sources	3,548	41,479,818,200	0	410,000
178	Total other money receipts	1,619	18,928,384,565	0	900,000
180	Money flows (assets, loans and other debts)	2,855	33,375,375,323	-250,000	980,000
	Registered Retirement Savings Plan (RRSP) change	1,589	18,570,609,207	-275,000	260,000
<b>FOOD</b>					
1000-1560	Food	5,747	67,177,147,932	40	39,500
1000-1520	Food purchased from stores	4,452	52,046,499,249	1	33,900
1560	Food purchased from restaurants	1,261	14,741,699,371	0	32,900
<b>SHELTER</b>					
2000-2052	Shelter	9,881	115,503,399,257	0	172,160
2000-2034	Principal accommodation	9,356	109,372,851,969	0	172,160
2000-2002	Rented living quarters	2,276	26,606,848,460	0	41,400
2000	Rent (amount paid)	2,215	25,888,460,540	0	38,400
2010-2028	Owned living quarters	5,600	65,466,228,255	0	172,160
2010	Regular mortgage payments	3,324	38,852,126,854	0	113,000
2011	Maintenance, repairs and replacements	389	4,552,923,440	0	55,000
2012	Condominium charges	109	1,279,475,708	0	9,600
2014	Property taxes	1,193	13,940,841,067	0	14,000
2016	Homeowners' insurance premiums	290	3,393,419,235	0	8,000



Pub. stub no.		Average	Aggregate	Minimum	Maximum
2030-2034	Water, fuel and electricity	1,480	17,299,775,254	0	15,650
2030	Water and sewage	162	1,897,350,651	0	6,000
2032	Liquid fuel (eg. oil, gas, etc.)	434	5,077,430,395	0	11,000
2034	Electricity	883	10,324,994,208	0	8,000
2040-2052	Other accommodation	524	6,130,547,288	0	36,620
2040-2048	Owned vacation home	162	1,890,749,642	0	22,270
2050-2052	Traveller accommodation	363	4,239,797,646	0	36,620
	<b>HOUSEHOLD OPERATION</b>				
2200-2380	Household operation	2,311	27,012,744,237	0	40,860
2200-2230	Communications	939	10,974,838,989	0	27,700
2200-2204	Telephone	732	8,551,805,349	0	24,000
2200	Purchase of telephones and equipment	29	335,504,303	0	2,000
2202-2204	Telephone services	703	8,216,301,046	0	24,000
2210	Cellular services	107	1,256,288,804	0	4,800
2220	Internet services	47	550,414,626	0	2,625
2230	Postal and other communication services	53	616,330,210	0	6,048
2240-2244	Child care expenses	299	3,495,566,448	0	32,035
2260	Domestic and other custodial services	95	1,111,457,086	0	30,000
2270-2300	Pet expenses	268	3,133,745,174	0	25,000
2310	Household cleaning supplies	207	2,417,282,040	0	3,000
2320-2330	Paper, plastic and foil household supplies	229	2,678,808,295	0	3,600
2340-2370	Garden supplies and services	214	2,497,526,676	0	19,875
	<b>HOUSEHOLD FURNISHINGS AND EQUIPMENT</b>				
2500-2730	Household furnishings and equipment	1,480	17,304,249,667	0	114,900
2500-2534	Household furnishings	723	8,446,521,487	0	74,900
2500	Furniture	479	5,604,695,094	0	30,000
2510	Rugs, mats and underpadding	34	395,467,148	0	15,000
2520	Window coverings and household textiles	119	1,396,941,103	0	16,500
2530-2534	Art, antiques and decorative ware	90	1,049,418,142	0	43,900
2540-2680	Household equipment	663	7,748,531,843	0	47,045
2540-2590	Household appliances	299	3,498,754,673	0	10,500
2600-2602	Other household tools, equipment and accessories	364	4,249,777,170	0	46,325
2690-2710	Maintenance and repairs of furniture and equipment	62	727,769,821	0	9,000
2720-2730	Services related to furnishings and equipment	33	381,426,516	0	8,000
	<b>CLOTHING</b>				
2800-2975	Clothing	2,164	25,298,338,798	0	76,860
2800-2840	Women's and girls' wear including gifts (4 years and over)	1,068	12,488,087,847	0	41,820
2840	Clothing gifts to non-household members – women and girls (4 years and over)	116	1,358,568,759	0	8,000
2850-2890	Men's and boys' wear including gifts (4 years and over)	834	9,744,916,284	0	35,100
2890	Clothing gifts to non-household members – men and boys (4 years and over)	86	1,004,948,486	0	6,000
2900-2920	Children's wear including gifts (under 4 years)	89	1,040,179,498	0	5,000
2920	Clothing gifts to non-household members – children (under 4 years)	46	543,349,157	0	5,000
2950	Clothing material and notions	33	384,456,231	0	4,200
2970-2975	Clothing services	140	1,640,698,938	0	4,000
2972	Laundry and dry-cleaning service, laundromats and self-service dry-cleaning	115	1,345,739,534	0	3,900
	<b>TRANSPORTATION</b>				
3000-3260	Transportation	6,230	72,834,426,907	-48,270	289,800
3000-3130	Private transportation	5,660	66,161,818,995	-48,270	289,800
3000-3004	Purchase of automobiles and trucks	2,082	24,343,814,605	-49,000	280,500
3010	Purchase of automotive accessories	26	307,024,520	0	4,200
3020-3040	Rented and leased automobiles and trucks	482	5,637,796,954	0	41,000

Pub. stub no.		Average	Aggregate	Minimum	Maximum
3050-3130	Operation of owned and leased automobiles and trucks	3,069	35,873,182,916	0	25,380
3050	Gasoline and other fuels	1,250	14,607,953,517	0	17,290
3070	Maintenance and repair	452	5,287,743,063	0	12,300
3080-3082	Garage rent and parking	61	709,538,348	0	5,912
3110	Private and public vehicle insurance premiums	818	9,564,914,713	0	17,400
3200-3260	Public transportation	571	6,672,607,912	0	18,120
3200	Local and commuter transportation	192	2,244,361,647	0	9,200
3220	Inter-city transportation	309	3,607,619,416	0	18,000
3250	Other passenger transportation	35	408,146,232	0	4,200
3260	Household moving, storage and delivery services	35	412,480,617	0	8,000
	<b>HEALTH CARE</b>				
3300-3384	Health care	1,161	13,567,099,220	0	29,675
3300-3362	Direct health care costs to household	814	9,518,162,132	0	29,675
3300	Health care supplies	29	341,370,452	0	6,699
3310-3312	Medicinal and pharmaceutical products	321	3,755,511,298	0	25,200
3310	Prescription drugs	193	2,258,212,148	0	25,200
3312	Other medicines and pharmaceutical products	128	1,497,299,150	0	10,000
3320	Physicians' care	13	153,609,853	0	15,000
3330-3334	Eye-care goods and services	148	1,727,826,265	0	10,085
3340	Dental services	225	2,626,600,959	0	18,000
	BLANK FIELD	0	0	0	0
3350	Hospital care	7	86,144,836	0	12,000
	BLANK FIELD	0	0	0	0
3360	Other health care practitioners	52	609,590,521	0	7,000
3362	Other medical services	19	217,507,948	0	27,000
3370-3384	Health insurance premiums	346	4,048,937,088	0	10,530
3370	Public hospital, medical and drug plans	117	1,362,928,123	0	4,608
3380-3384	Private health insurance plans	230	2,686,008,965	0	10,530
	<b>PERSONAL CARE</b>				
3500-3580	Personal care	679	7,940,517,679	0	7,220
3530-3560	Personal care supplies and equipment	329	3,844,476,965	0	5,460
3570-3580	Personal care services	350	4,096,040,714	0	6,300
	<b>RECREATION</b>				
3700-4190	Recreation	2,901	33,907,431,110	-34,949	122,778
3700-3830	Recreation equipment and associated services	903	10,555,357,969	0	23,425
3700	Sports and athletic equipment	134	1,565,717,507	0	9,000
3720	Toys, electronic games and art/hobby materials	184	2,154,030,266	0	8,500
3750-3760	Computer equipment and supplies	316	3,696,520,819	0	20,000
3770-3774	Photographic goods and services	133	1,551,367,995	0	6,700
3900-3980	Recreation vehicles and associated services	444	5,188,551,649	-36,030	122,243
3900-3918	Purchase of recreation vehicles	278	3,247,271,481	-38,000	120,000
3900	Bicycles, parts and accessories	34	398,624,655	0	7,960
3910-3918	Other recreational vehicles and outboard motors	244	2,848,646,826	-38,000	120,000
3950-3980	Operation of recreational vehicles	166	1,941,280,168	0	22,220
3960	Bicycle maintenance and repairs	5	59,171,871	0	2,000
3974	Other recreation vehicle operation	156	181,954,136	0	22,220
3976	Expenses for rented and leased recreational vehicles	5	62,566,931	0	3,500
4000-4070	Home entertainment equipment and services	515	6,016,115,370	0	89,000
4000	Audio (eg. radio, CD player, speaker)	95	1,107,364,946	0	62,000
4010	Compact discs, audio tapes, videotapes and video-discs	124	1,446,119,343	0	6,000
4020	Blank audio and videotapes	15	179,772,447	0	1,500
4030	Televisions, VCRs, camcorders and other television/video components	138	1,609,575,594	0	25,000
4050	Rental of videotapes and video-discs	101	1,180,464,342	0	9,125

Pub. stub no.		Average	Aggregate	Minimum	Maximum
4060	Rental of home entertainment equipment and other services	3	30,864,769	0	2,112
4100-4190	Recreation services	1,039	12,147,406,122	0	34,053
4100-4140	Entertainment	503	5,884,475,946	0	7,680
4100	Movie theatres	76	893,624,437	0	2,496
4110	Live sports events (as a spectator)	31	358,144,187	0	4,444
4120	Live performing arts	65	754,583,765	0	7,200
4140	Rental of cablevision and satellite services	300	3,510,251,722	0	3,778
4150-4170	Use of recreation facilities	236	2,760,690,299	0	23,080
4150	Membership fees for sports and recreation facilities	146	1,703,017,704	0	22,280
4160	Single use fees for sports and recreation facilities	57	672,112,324	0	5,000
4170	Children's camps	25	286,477,977	0	10,000
4130	Admission to museums and other activities	31	367,871,835	0	2,500
4180	Package travel tours	284	3,315,245,532	0	33,998
4190	Other recreational services	16	186,994,345	0	5,000
	<b>READING MATERIALS AND OTHER PRINTED MATTER</b>				
4300-4340	Reading materials and other printed matter	271	3,168,063,686	0	9,350
4300	Newspapers	106	1,236,184,705	0	2,464
4310	Magazines and periodicals	63	741,767,876	0	2,000
4320	Books and pamphlets (excluding school books)	84	986,608,400	0	5,000
	<b>EDUCATION</b>				
4400-4470	Education	674	7,877,071,793	0	50,200
4400-4410	Education supplies and textbooks	123	1,443,298,013	0	8,800
4440-4450	Tuition fees	461	5,392,431,128	0	50,000
	<b>TOBACCO PRODUCTS AND ALCOHOLIC BEVERAGES</b>				
4500-4540	Tobacco products and alcoholic beverages	1,194	13,953,989,812	0	26,450
4500-4510	Tobacco products and smokers' supplies	548	6,406,416,417	0	10,450
4500	Cigarettes, cigars and tobacco	540	6,308,044,347	0	10,400
4520-4540	Alcoholic beverages	646	7,547,573,395	0	22,800
4520	Served on licensed premises	227	2,655,906,298	0	18,640
4530	Purchased from stores	393	4,590,450,696	0	15,400
4540	Self-made alcoholic beverages	26	301,216,401	0	6,500
	<b>OTHER EXPENSES</b>				
4600-4720	Miscellaneous expenditures	789	9,225,085,148	0	81,000
4630-4660	Financial services	242	2,824,429,657	0	28,900
4670	Dues to unions and professional associations	180	2,106,671,231	0	12,321
4680	Games of chance (net)	244	2,857,661,481	0	22,050
4900-4930	Personal taxes	10,644	124,431,750,429	-22,480	600,000
5000-5084	Personal insurance payments and pension contributions	2,741	32,043,711,395	0	275,635
5000	Life insurance premiums, annuity contracts, and transfers to RRIFs	458	5,348,863,795	0	275,635
5070	Employment insurance premiums	796	9,303,492,909	0	4,439
5080-5084	Retirement and pension fund payments	1,488	17,391,354,691	0	51,168
5080	Canada and Quebec pension plan	881	10,296,761,676	0	6,145
5082	Other government pension funds	300	3,503,871,012	0	21,729
5084	Other retirement or pension funds (excluding RRSP)	307	3,590,722,003	0	50,000
5200-5230	Gifts of money and contributions	1,144	13,373,296,754	0	318,600
5205	Gifts of money and other support payments to persons living inside Canada	431	5,036,774,713	0	140,000
5210	Gifts of money and other support payments to persons living outside Canada	78	917,191,949	0	80,000
5220	Contributions to religious organizations	259	3,025,196,842	0	33,000
5230	Contributions to non-religious charitable organizations	144	1,679,754,920	0	38,236
1000-4840	Total current consumption	35,725	417,627,226,728	-22,703	612,020
1000-5230	Total expenditure	50,254	587,475,985,306	-21,753	756,020

## Part 2 of 3

## Averages, Aggregates, Minimum and Maximum Values

## Public-use Microdata File – SHS 1998

## (Full-year Households)

Sample Count		14,920			
Weighted Count		11,281,567			
Pub. stub no.		Average	Aggregate	Minimum	Maximum
	Purchase price of home bought in reference year	5,353	60,394,345,600	0	730,000
	Selling price of home sold in reference year	2,858	32,240,876,000	0	1,700,000
	Additions, renovations and alterations	1,023	11,536,048,524	0	114,000
	New installations of equipment and fixtures	75	843,819,972	0	10,000
	Income of reference person before taxes	31,181	351,774,677,300	-16,000	1,000,000
	Income of reference person from earnings	23,230	262,069,337,400	-20,000	1,000,000
	Income of reference person from investment	1,246	14,054,232,500	-11,000	190,000
	Income of reference person from government transfer payments	4,010	45,240,515,600	-7,000	170,000
	Income of reference person from other sources	2,711	30,584,663,700	0	280,000
	Income of spouse before taxes	17,015	191,959,189,900	-4,500	400,000
	Income of spouse from earnings	14,272	161,012,060,600	-4,500	400,000
	Income of spouse from investment	454	5,116,623,600	-17,000	280,000
	Income of spouse from government transfer payments	1,510	17,030,997,500	0	210,000
	Income of spouse from other sources	788	8,893,525,300	0	200,000
176	Household income before taxes	52,584	593,230,452,300	-3,900	1,000,000
	Household income from earnings	41,105	463,726,003,900	-10,000	1,000,000
	Household income from investment	1,787	20,159,024,200	-17,000	450,000
	Household income from government transfer payments	6,077	68,558,393,300	-7,000	220,000
	Household income from other sources	3,644	41,115,231,100	0	410,000
178	Total other money receipts	1,615	18,218,613,995	0	900,000
180	Money flows (assets, loans and other debts)	3,069	34,624,506,150	-250,000	980,000
	Registered Retirement Savings Plan (RRSP) change	1,640	18,504,485,169	-275,000	260,000
<b>FOOD</b>					
1000-1560	Food	5,879	66,321,689,282	160	39,500
1000-1520	Food purchased from stores	4,562	51,461,318,490	1	33,900
1560	Food purchased from restaurants	1,283	14,472,868,030	0	32,900
<b>SHELTER</b>					
2000-2052	Shelter	10,084	113,762,443,010	0	172,160
2000-2034	Principal accommodation	9,544	107,675,136,625	0	172,160
2000-2002	Rented living quarters	2,251	25,399,228,297	0	41,400
2000	Rent (amount paid)	2,190	24,706,308,158	0	38,400
2010-2028	Owned living quarters	5,771	65,105,532,517	0	172,160
2010	Regular mortgage payments	3,430	38,695,908,720	0	113,000
2011	Maintenance, repairs and replacements	403	4,543,587,717	0	55,000
2012	Condominium charges	113	1,276,449,826	0	9,600
2014	Property taxes	1,231	13,889,954,756	0	14,000
2016	Homeowners' insurance premiums	299	3,376,625,855	0	8,000
2030-2034	Water, fuel and electricity	1,522	17,170,375,811	0	15,650

Pub. stub no.		Average	Aggregate	Minimum	Maximum
2030	Water and sewage	167	1,884,096,801	0	6,000
2032	Liquid fuel (eg. oil, gas, etc.)	447	5,043,339,185	0	11,000
2034	Electricity	908	10,242,939,825	0	8,000
2040-2052	Other accommodation	540	6,087,306,385	0	36,620
2040-2048	Owned vacation home	167	1,881,015,188	0	22,270
2050-2052	Traveller accommodation	373	4,206,291,197	0	36,620
	<b>HOUSEHOLD OPERATION</b>				
2200-2380	Household operation	2,361	26,639,068,196	0	40,860
2200-2230	Communications	955	10,769,428,099	0	27,700
2200-2204	Telephone	744	8,394,476,570	0	24,000
2200	Purchase of telephones and equipment	28	320,171,110	0	2,000
2202-2204	Telephone services	716	8,074,305,460	0	24,000
2210	Cellular services	109	1,230,954,228	0	4,800
2220	Internet services	48	543,273,293	0	2,625
2230	Postal and other communication services	53	600,724,008	0	6,048
2240-2244	Child care expenses	307	3,462,733,868	0	32,035
2260	Domestic and other custodial services	98	1,103,991,641	0	30,000
2270-2300	Pet expenses	275	3,103,637,034	0	25,000
2310	Household cleaning supplies	212	2,388,667,853	0	3,000
2320-2330	Paper, plastic and foil household supplies	234	2,636,904,944	0	3,600
2340-2370	Garden supplies and services	220	2,481,586,894	0	19,875
	<b>HOUSEHOLD FURNISHINGS AND EQUIPMENT</b>				
2500-2730	Household furnishings and equipment	1,476	16,651,041,139	0	114,900
2500-2534	Household furnishings	710	8,014,176,705	0	74,900
2500	Furniture	464	5,239,345,806	0	30,000
2510	Rugs, mats and underpadding	34	385,389,179	0	15,000
2520	Window coverings and household textiles	120	1,358,785,212	0	16,500
2530-2534	Art, antiques and decorative ware	91	1,030,656,508	0	43,900
2540-2680	Household equipment	668	7,540,655,666	0	47,045
2540-2590	Household appliances	300	3,389,470,972	0	10,500
2600-2602	Other household tools, equipment and accessories	368	4,151,184,694	0	46,325
2690-2710	Maintenance and repairs of furniture and equipment	64	719,797,312	0	9,000
2720-2730	Services related to furnishings and equipment	33	376,411,456	0	8,000
	<b>CLOTHING</b>				
2800-2975	Clothing	2,202	24,840,585,635	0	76,860
2800-2840	Women's and girls' wear including gifts (4 years and over)	1,089	12,285,660,460	0	41,820
2840	Clothing gifts to non-household members – women and girls (4 years and over)	118	1,328,693,122	0	8,000
2850-2890	Men's and boys' wear including gifts (4 years and over)	847	9,555,804,800	0	35,100
2890	Clothing gifts to non-household members – men and boys (4 years and over)	87	983,652,985	0	6,000
2900-2920	Children's wear including gifts (under 4 years)	90	1,020,432,549	0	5,000
2920	Clothing gifts to non-household members – children (under 4 years)	47	534,423,550	0	5,000
2950	Clothing material and notions	34	380,805,004	0	4,200
2970-2975	Clothing services	142	1,597,882,822	0	4,000
2972	Laundry and dry-cleaning service, laundromats and self-service dry-cleaning	116	1,307,003,342	0	3,900
	<b>TRANSPORTATION</b>				
3000-3260	Transportation	6,338	71,505,736,894	-48,270	289,800
3000-3130	Private transportation	5,764	65,022,503,488	-48,270	289,800
3000-3004	Purchase of automobiles and trucks	2,102	23,708,738,594	-49,000	280,500
3010	Purchase of automotive accessories	26	297,775,115	0	4,200
3020-3040	Rented and leased automobiles and trucks	494	5,574,391,534	0	41,000
3050-3130	Operation of owned and leased automobiles and trucks	3,142	35,441,598,246	0	25,380
3050	Gasoline and other fuels	1,282	14,458,123,560	0	17,290

Pub. stub no.		Average	Aggregate	Minimum	Maximum
3070	Maintenance and repair	463	5,225,659,465	0	12,300
3080-3082	Garage rent and parking	62	698,644,847	0	5,912
3110	Private and public vehicle insurance premiums	837	9,440,487,597	0	17,400
3200-3260	Public transportation	575	6,483,233,406	0	18,120
3200	Local and commuter transportation	192	2,171,612,698	0	9,200
3220	Inter-city transportation	314	3,540,759,684	0	18,000
3250	Other passenger transportation	36	401,314,455	0	4,200
3260	Household moving, storage and delivery services	33	369,546,569	0	8,000
	<b>HEALTH CARE</b>				
3300-3384	Health care	1,189	13,418,922,018	0	29,675
3300-3362	Direct health care costs to household	834	9,408,680,599	0	29,675
3300	Health care supplies	30	337,949,117	0	6,699
3310-3312	Medicinal and pharmaceutical products	329	3,713,094,558	0	25,200
3310	Prescription drugs	199	2,239,992,747	0	25,200
3312	Other medicines and pharmaceutical products	131	1,473,101,811	0	10,000
3320	Physicians' care	13	150,517,875	0	15,000
3330-3334	Eye-care goods and services	151	1,699,689,605	0	10,085
3340	Dental services	231	2,601,589,364	0	18,000
	BLANK FIELD	0	0	0	0
3350	Hospital care	8	86,090,920	0	12,000
	BLANK FIELD	0	0	0	0
3360	Other health care practitioners	54	603,886,551	0	7,000
3362	Other medical services	19	215,862,609	0	27,000
3370-3384	Health insurance premiums	355	4,010,241,419	0	10,530
3370	Public hospital, medical and drug plans	119	1,341,891,575	0	4,608
3380-3384	Private health insurance plans	237	2,668,349,844	0	10,530
	<b>PERSONAL CARE</b>				
3500-3580	Personal care	693	7,817,917,151	0	7,220
3530-3560	Personal care supplies and equipment	335	3,774,453,681	0	5,460
3570-3580	Personal care services	358	4,043,463,470	0	6,300
	<b>RECREATION</b>				
3700-4190	Recreation	2,950	33,283,874,013	-34,949	122,778
3700-3830	Recreation equipment and associated services	914	10,313,653,220	0	23,425
3700	Sports and athletic equipment	136	1,539,315,001	0	9,000
3720	Toys, electronic games and art/hobby materials	188	2,118,628,707	0	8,500
3750-3760	Computer equipment and supplies	319	3,601,638,582	0	20,000
3770-3774	Photographic goods and services	134	1,508,242,713	0	5,100
3900-3980	Recreation vehicles and associated services	457	5,161,101,354	-36,030	122,243
3900-3918	Purchase of recreation vehicles	287	3,233,098,624	-38,000	120,000
3900	Bicycles, parts and accessories	35	389,860,048	0	7,960
3910-3918	Other recreational vehicles and outboard motors	252	2,843,238,576	-38,000	120,000
3950-3980	Operation of recreational vehicles	171	1,928,002,730	0	22,220
3960	Bicycle maintenance and repairs	5	58,031,785	0	2,000
3974	Other recreation vehicle operation	160	1,807,740,994	0	22,220
3976	Expenses for rented and leased recreational vehicles	6	62,229,951	0	3,500
4000-4070	Home entertainment equipment and services	516	5,818,695,698	0	89,000
4000	Audio (eg. radio, CD player, speaker)	94	1,056,485,731	0	62,000
4010	Compact discs, audio tapes, videotapes and video-discs	125	1,410,543,944	0	6,000
4020	Blank audio and videotapes	16	176,468,321	0	1,500
4030	Televisions, VCRs, camcorders and other television/video components	137	1,540,372,326	0	25,000
4050	Rental of videotapes and video-discs	102	1,155,717,670	0	9,125
4060	Rental of home entertainment equipment and other services	3	28,222,554	0	2,112
4100-4190	Recreation services	1,063	11,990,423,741	0	34,053

Pub. stub no.		Average	Aggregate	Minimum	Maximum
4100-4140	Entertainment	514	5,797,319,094	0	7,680
4100	Movie theatres	77	872,042,341	0	2,496
4110	Live sports events (as a spectator)	31	352,034,435	0	4,444
4120	Live performing arts	66	743,885,917	0	7,200
4140	Rental of cablevision and satellite services	307	3,468,385,834	0	3,778
4150-4170	Use of recreation facilities	242	2,729,212,535	0	23,080
4150	Membership fees for sports and recreation facilities	149	1,681,856,208	0	22,280
4160	Single use fees for sports and recreation facilities	59	665,443,457	0	5,000
4170	Children's camps	25	286,153,317	0	10,000
4130	Admission to museums and other activities	32	360,970,567	0	2,500
4180	Package travel tours	291	3,279,263,602	0	33,998
4190	Other recreational services	16	184,628,510	0	5,000
	<b>READING MATERIALS AND OTHER PRINTED MATTER</b>				
4300-4340	Reading materials and other printed matter	276	3,116,857,407	0	9,350
4300	Newspapers	108	1,222,864,410	0	2,464
4310	Magazines and periodicals	65	732,576,875	0	2,000
4320	Books and pamphlets (excluding school books)	85	963,962,047	0	5,000
	<b>EDUCATION</b>				
4400-4470	Education	676	7,629,442,422	0	50,200
4400-4410	Education supplies and textbooks	124	1,399,506,618	0	8,800
4440-4450	Tuition fees	462	5,215,030,197	0	50,000
	<b>TOBACCO PRODUCTS AND ALCOHOLIC BEVERAGES</b>				
4500-4540	Tobacco products and alcoholic beverages	1,216	13,720,130,479	0	26,450
4500-4510	Tobacco products and smokers' supplies	560	6,320,608,046	0	10,450
4500	Cigarettes, cigars and tobacco	552	6,223,772,068	0	10,400
4520-4540	Alcoholic beverages	656	7,399,522,433	0	22,800
4520	Served on licensed premises	228	2,577,377,578	0	18,640
4530	Purchased from stores	401	4,522,065,524	0	15,400
4540	Self-made alcoholic beverages	27	300,079,331	0	6,500
	<b>OTHER EXPENSES</b>				
4600-4720	Miscellaneous expenditures	804	9,069,050,022	0	81,000
4630-4660	Financial services	248	2,796,777,469	0	28,900
4670	Dues to unions and professional associations	185	2,092,142,645	0	12,321
4680	Games of chance (net)	250	2,820,627,142	0	22,050
4900-4930	Personal taxes	10,945	123,480,309,239	-22,480	600,000
5000-5084	Personal insurance payments and pension contributions	2,811	31,711,249,955	0	275,635
5000	Life insurance premiums, annuity contracts, and transfers to RRIFs	472	5,326,524,902	0	275,635
5070	Employment insurance premiums	813	9,174,858,697	0	4,439
5080-5084	Retirement and pension fund payments	1,525	17,209,866,356	0	51,168
5080	Canada and Quebec pension plan	902	10,175,589,598	0	6,145
5082	Other government pension funds	309	3,481,023,050	0	21,729
5084	Other retirement or pension funds (excluding RRSP)	315	3,553,253,708	0	50,000
5200-5230	Gifts of money and contributions	1,171	13,206,773,018	0	318,600
5205	Gifts of money and other support payments to persons living inside Canada	442	4,982,307,232	0	140,000
5210	Gifts of money and other support payments to persons living outside Canada	80	901,050,201	0	80,000
5220	Contributions to religious organizations	266	2,999,920,299	0	33,000
5230	Contributions to non-religious charitable organizations	147	1,661,531,804	0	38,236
1000-4840	Total current consumption	36,395	410,597,384,810	-22,703	612,020
1000-5230	Total expenditure	51,322	578,995,717,022	-21,753	756,020

## Part 3 of 3

### Averages and Aggregates

### Unsuppressed Survey File – SHS 1998

### (Full-year and Part-year Households)

Pub. stub no.	Sample count Weighted count	15,457		14,920	
		11,690,026		11,280,869	
		Full-Year and Part-Year Household		Full-Year Household	
		Average	Aggregate	Average	Aggregate
	Purchase price of home bought in reference year	5,740	67,102,353,246	5,401	60,927,137,688
	Selling price of home sold in reference year	-2,949	-34,470,638,307	-2,922	-32,966,127,907
	Additions, renovations and alterations	1,001	11,704,857,445	1,027	11,583,279,465
	New installations of equipment and fixtures	75	877,489,511	75	847,806,669
	Income of reference person before taxes	30,459	356,065,509,000	31,192	351,870,989,300
	Income of reference person from earnings	22,653	264,817,773,500	23,190	261,600,884,500
	Income of reference person from investment	1,244	14,543,695,000	1,274	14,375,752,100
	Income of reference person from government transfer payments	3,927	45,901,829,500	4,024	45,388,598,700
	Income of reference person from other sources	2,649	30,970,643,000	2,719	30,667,815,100
	Income of spouse before taxes	16,545	193,413,875,200	17,000	191,775,112,000
	Income of spouse from earnings	13,837	161,750,338,600	14,252	160,771,270,300
	Income of spouse from investment	428	5,004,812,600	443	4,996,843,100
	Income of spouse from government transfer payments	1,528	17,865,266,700	1,527	17,226,032,700
	Income of spouse from other sources	761	8,899,093,500	788	8,883,795,000
176	Household income before taxes	51,334	600,097,559,665	52,608	593,460,907,738
	Household income from earnings	40,004	467,652,812,774	41,024	462,785,151,564
	Household income from investment	1,761	20,587,359,645	1,809	20,407,781,500
	Household income from government transfer payments	6,011	70,263,433,864	6,120	69,038,322,084
	Household income from other sources	3,558	41,593,953,382	3,655	41,229,652,590
178	Total other money receipts	1,711	19,997,201,208	1,709	19,282,741,939
180	Money flows (assets, loans and other debts)	2,958	34,577,245,217	3,161	35,660,460,844
	Registered Retirement Savings Plan (RRSP) change	1,575	18,408,729,691	1,626	18,342,547,653
	<b>FOOD</b>				
1000-1560	Food	5,747	67,186,430,145	5,880	66,330,603,095
1000-1520	Food purchased from stores	4,449	52,007,842,876	4,558	51,422,034,287
1560	Food purchased from restaurants	1,265	14,793,554,875	1,288	14,524,982,964
	<b>SHELTER</b>				
2000-2052	Shelter	9,889	115,607,880,655	10,092	113,846,679,168
2000-2034	Principal accommodation	9,364	109,463,703,345	9,552	107,750,184,783
2000-2002	Rented living quarters	2,284	26,698,698,903	2,260	25,491,038,358
2000	Rent (amount paid)	2,222	25,975,464,327	2,198	24,793,193,802
2010-2028	Owned living quarters	5,601	65,473,122,374	5,771	65,099,016,990
2010	Regular mortgage payments	3,318	38,786,506,957	3,424	38,624,626,859
2011	Maintenance, repairs and replacements	391	4,566,203,205	404	4,556,865,366
2012	Condominium charges	110	1,282,194,968	113	1,279,169,086
2014	Property taxes	1,195	13,965,398,123	1,233	13,910,875,921
2016	Homeowners' insurance premiums	290	3,392,530,029	299	3,374,958,766
2030-2034	Water, fuel and electricity	1,479	17,291,882,068	1,521	17,160,129,435
2030	Water and sewage	162	1,889,055,829	166	1,875,671,239
2032	Liquid fuel (eg. oil, gas, etc.)	434	5,069,270,488	446	5,034,193,548



Pub. stub no.		Full-Year and Part-Year Household		Full-Year Household	
2034	Electricity	884	10,333,555,751	909	10,250,264,648
2040-2052	Other accommodation	526	6,144,177,310	540	6,096,494,385
2040-2048	Owned vacation home	159	1,855,110,576	163	1,841,034,090
2050-2052	Traveller accommodation	367	4,289,066,734	377	4,255,460,295
	<b>HOUSEHOLD OPERATION</b>				
2200-2380	Household operation	2,312	27,022,774,375	2,362	26,646,637,263
2200-2230	Communications	939	10,971,405,207	954	10,765,470,881
2200-2204	Telephone	731	8,548,174,361	744	8,390,450,138
2200	Purchase of telephones and equipment	29	336,864,906	28	321,404,753
2202-2204	Telephone services	702	8,211,309,455	715	8,069,045,385
2210	Cellular services	108	1,259,524,321	109	1,234,090,273
2220	Internet services	47	549,172,468	48	542,014,911
2230	Postal and other communication services	53	614,534,057	53	598,915,559
2240-2244	Child care expenses	299	3,491,564,373	307	3,458,609,993
2260	Domestic and other custodial services	97	1,132,011,536	100	1,124,546,091
2270-2300	Pet expenses	268	3,133,987,090	275	3,103,112,466
2310	Household cleaning supplies	206	2,412,752,818	211	2,384,026,131
2320-2330	Paper, plastic and foil household supplies	229	2,674,800,996	233	2,632,508,535
2340-2370	Garden supplies and services	214	2,505,003,934	221	2,488,597,132
	<b>HOUSEHOLD FURNISHINGS AND EQUIPMENT</b>				
2500-2730	Household furnishings and equipment	1,494	17,465,340,628	1,489	16,796,139,993
2500-2534	Household furnishings	731	8,543,213,598	718	8,104,384,329
2500	Furniture	484	5,655,579,341	468	5,284,114,826
2510	Rugs, mats and underpadding	35	405,381,241	35	395,278,072
2520	Window coverings and household textiles	120	1,397,976,295	121	1,359,583,444
2530-2534	Art, antiques and decorative ware	93	1,084,276,721	94	1,065,407,987
2540-2680	Household equipment	668	7,807,999,099	673	7,591,030,336
2540-2590	Household appliances	300	3,512,753,018	301	3,397,264,578
2600-2602	Other household tools, equipment and accessories	367	4,295,246,081	84	4,193,765,758
2690-2710	Maintenance and repairs of furniture and equipment	62	729,676,505	64	721,347,016
2720-2730	Services related to furnishings and equipment	33	384,451,426	34	379,378,312
	<b>CLOTHING</b>				
2800-2975	Clothing	2,163	25,283,896,119	2,201	24,825,770,565
2800-2840	Women's and girls' wear including gifts (4 years and over)	1,068	12,486,982,787	1,089	12,284,224,705
2840	Clothing gifts to non-household members – women and girls (4 years and over)	116	1,352,448,932	117	1,322,469,455
2850-2890	Men's and boys' wear including gifts (4 years and over)	832	9,728,178,184	846	9,539,289,525
2890	Clothing gifts to non-household members – men and boys (4 years and over)	85	998,337,442	87	976,936,441
2900-2920	Children's wear including gifts (under 4 years)	89	1,037,920,311	90	1,018,238,887
2920	Clothing gifts to non-household members – children (under 4 years)	46	543,079,380	47	534,178,863
2950	Clothing material and notions	33	386,282,966	34	382,345,793
2970-2975	Clothing services	141	1,644,531,871	142	1,601,671,655
2972	Laundry and dry-cleaning service, laundromats and self-service dry-cleaning	115	1,349,158,045	116	1,310,379,169
	<b>TRANSPORTATION</b>				
3000-3260	Transportation	6,257	73,138,801,377	6,363	71,783,823,069
3000-3130	Private transportation	5,687	66,476,894,363	5,790	65,311,390,073
3000-3004	Purchase of automobiles and trucks	2,106	24,622,107,169	2,125	23,969,424,652
3010	Purchase of automotive accessories	26	306,885,210	26	297,553,555
3020-3040	Rented and leased automobiles and trucks	485	5,666,007,547	497	5,601,313,797
3050-3130	Operation of owned and leased automobiles and trucks	3,069	35,881,894,437	3,142	35,443,098,069
3050	Gasoline and other fuels	1,249	14,599,363,052	1,281	14,447,851,371
3070	Maintenance and repair	453	5,291,102,502	463	5,225,550,598
3080-3082	Garage rent and parking	61	708,363,454	62	697,518,684
3110	Private and public vehicle insurance premiums	820	9,585,922,801	839	9,460,057,268
3200-3260	Public transportation	570	6,661,907,014	574	6,472,432,996
3200	Local and commuter transportation	192	2,249,004,925	192	2,176,175,554

Pub. stub no.		Full-Year and Part-Year Household		Full-Year Household	
3220	Inter-city transportation	307	3,592,990,718	313	3,526,530,236
3250	Other passenger transportation	35	409,056,379	36	402,229,462
3260	Household moving, storage and delivery services	35	410,854,992	33	367,497,744
	<b>HEALTH CARE</b>				
3300-3384	Health care	1,162	13,584,435,627	1,191	13,433,326,440
3300-3362	Direct health care costs to household	816	9,538,010,659	836	9,425,818,497
3300	Health care supplies	29	342,159,801	30	338,209,785
3310-3312	Medicinal and pharmaceutical products	321	3,754,288,871	329	3,711,365,313
3310	Prescription drugs	193	2,255,750,570	198	2,237,431,799
3312	Other medicines and pharmaceutical products	128	1,498,538,301	131	1,473,933,514
3320	Physicians' care	13	149,515,406	13	146,420,908
3330-3334	Eye-care goods and services	148	1,730,591,633	151	1,702,466,313
3340	Dental services	225	2,629,735,023	231	2,604,705,828
	BLANK FIELD	0	0	0	0
3350	Hospital care	9	99,935,492	9	99,881,576
	BLANK FIELD	0	0	0	0
3360	Other health care practitioners	52	612,530,046	54	605,186,176
3362	Other medical services	19	219,254,387	19	217,582,598
3370-3384	Health insurance premiums	346	4,046,424,968	355	4,007,507,943
3370	Public hospital, medical and drug plans	117	1,366,686,586	119	1,345,437,382
3380-3384	Private health insurance plans	229	2,679,738,382	236	2,662,070,561
	<b>PERSONAL CARE</b>				
3500-3580	Personal care	679	7,939,100,054	693	7,816,798,246
3530-3560	Personal care supplies and equipment	328	3,836,700,818	334	3,767,060,624
3570-3580	Personal care services	351	4,102,399,236	359	4,049,737,622
	<b>RECREATION</b>				
3700-4190	Recreation	2,897	33,865,721,044	2,947	33,239,362,990
3700-3830	Recreation equipment and associated services	900	10,525,633,323	912	10,284,692,153
3700	Sports and athletic equipment	134	1,562,270,145	136	1,535,726,989
3720	Toys, electronic games and art/hobby materials	183	2,138,826,848	186	2,103,758,072
3750-3760	Computer equipment and supplies	316	3,691,212,546	319	3,595,995,169
3770-3774	Photographic goods and services	133	1,549,851,061	134	1,507,740,539
3900-3980	Recreation vehicles and associated services	436	5,100,282,021	450	5,071,069,970
3900-3918	Purchase of recreation vehicles	274	3,197,901,153	282	3,182,243,736
3900	Bicycles, parts and accessories	34	395,992,093	34	387,224,126
3910-3918	Other recreational vehicles and outboard motors	240	2,801,909,060	248	2,795,019,610
3950-3980	Operation of recreational vehicles	163	1,902,380,868	167	1,888,826,234
3960	Bicycle maintenance and repairs	5	59,170,064	5	58,029,978
3974	Other recreation vehicle operation	152	1,780,550,888	157	1,768,473,320
3976	Expenses for rented and leased recreational vehicles	5	62,659,916	6	62,322,936
4000-4070	Home entertainment equipment and services	517	6,044,154,365	518	5,845,344,691
4000	Audio (eg. radio, CD player, speaker)	97	1,130,493,848	96	1,079,319,633
4010	Compact discs, audio tapes, videotapes and video-discs	123	1,441,535,571	125	1,405,872,840
4020	Blank audio and videotapes	15	179,347,758	16	175,830,232
4030	Televisions, VCRs, camcorders and other television/video components	139	1,623,880,348	138	1,555,060,914
4050	Rental of videotapes and video-discs	101	1,175,876,587	102	1,151,352,851
4060	Rental of home entertainment equipment and other services	3	30,859,359	3	28,217,144
4100-4190	Recreation services	1,043	12,195,651,335	1,067	12,038,256,176
4100-4140	Entertainment	503	5,880,442,330	514	5,793,008,186
4100	Movie theatres	76	893,461,417	77	871,901,277
4110	Live sports events (as a spectator)	31	356,942,216	31	350,832,464
4120	Live performing arts	65	756,122,405	66	745,282,097
4140	Rental of cablevision and satellite services	300	3,506,486,654	307	3,464,462,358
4150-4170	Use of recreation facilities	238	2,781,612,602	244	2,750,149,588
4150	Membership fees for sports and recreation facilities	147	1,721,573,436	151	1,700,428,140
4160	Single use fees for sports and recreation facilities	58	672,699,304	59	666,028,987

Pub. stub no.		Full-Year and Part-Year Household		Full-Year Household	
4170	Children's camps	25	288,154,067	26	287,829,407
4130	Admission to museums and other activities	31	367,429,638	32	360,529,990
4180	Package travel tours	286	3,343,374,401	293	3,307,392,471
4190	Other recreational services	16	190,222,002	17	187,705,931
	<b>READING MATERIALS AND OTHER PRINTED MATTER</b>				
4300-4340	Reading materials and other printed matter	271	3,165,200,859	276	3,113,978,958
4300	Newspapers	106	1,236,063,524	108	1,222,670,437
4310	Magazines and periodicals	63	740,152,584	65	731,000,633
4320	Books and pamphlets (excluding school books)	84	985,645,159	85	963,019,826
	<b>EDUCATION</b>				
4400-4470	Education	676	7,905,641,304	679	7,658,762,693
4400-4410	Education supplies and textbooks	123	1,442,364,866	124	1,398,573,471
4440-4450	Tuition fees	464	5,419,936,467	465	5,243,896,336
	<b>TOBACCO PRODUCTS AND ALCOHOLIC BEVERAGES</b>				
4500-4540	Tobacco products and alcoholic beverages	1,192	13,933,065,108	1,214	13,700,047,709
4500-4510	Tobacco products and smokers' supplies	545	6,372,451,478	557	6,287,131,737
4500	Cigarettes, cigars and tobacco	537	6,273,980,221	549	6,190,236,104
4520-4540	Alcoholic beverages	647	7,560,613,630	657	7,412,915,972
4520	Served on licensed premises	228	2,664,833,236	229	2,586,441,054
4530	Purchased from stores	393	4,595,853,323	401	4,527,684,917
4540	Self-made alcoholic beverages	26	299,927,071	26	298,790,001
	<b>OTHER EXPENSES</b>				
4600-4720	Miscellaneous expenditures	800	9,355,517,058	814	9,187,687,119
4630-4660	Financial services	244	2,846,996,180	250	2,819,290,324
4670	Dues to unions and professional associations	180	2,101,670,528	185	2,087,434,237
4680	Games of chance (net)	243	2,843,026,110	249	2,806,698,322
4900-4930	Personal taxes	10,663	124,651,217,765	10,965	123,699,300,291
5000-5084	Personal insurance payments and pension contributions	2,733	31,945,326,055	2,802	31,613,007,774
5000	Life insurance premiums, annuity contracts, and transfers to RRIFs	455	5,321,221,569	470	5,298,952,244
5070	Employment insurance premiums	795	9,291,521,241	812	9,162,984,867
5080-5084	Retirement and pension fund payments	1,483	17,332,583,245	1,520	17,151,070,663
5080	Canada and Quebec pension plan	880	10,284,379,356	901	10,163,285,807
5082	Other government pension funds	299	3,496,312,651	308	3,473,464,689
5084	Other retirement or pension funds (excluding RRSP)	304	3,551,891,238	312	3,514,320,167
5200-5230	Gifts of money and contributions	1,119	13,079,589,569	1,144	12,909,892,683
5205	Gifts of money and other support payments to persons living inside Canada	428	5,005,957,263	439	4,948,315,782
5210	Gifts of money and other support payments to persons living outside Canada	69	803,966,727	70	787,824,979
5220	Contributions to religious organizations	258	3,011,216,296	265	2,985,939,753
5230	Contributions to non-religious charitable organizations	145	1,697,294,816	149	1,679,072,550
1000-4840	Total current consumption	35,782	418,296,830,463	36,450	411,186,315,630
1000-5230	Total expenditure	50,297	587,972,963,852	51,362	579,408,516,378

## 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.  
Definitions may not be identical.

Description	1982	1984	1986	1990	1992	1996	1997	1998
	Family Expenditure Survey					SHS		
Food	%	%	%	%	%	%	%	%
Food purchased from stores	%	%	%	%	%	%	%	%
Food purchased from restaurants, etc.	%	%	%	%	%	%	%	%
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						%	%	%
Fuels							%	%
Fuel oil and other liquid fuel	%	%	%	%	%	%		
Natural gas	%	%	%	%	%	%		
Other fuels	%	%	%	%	%	%		
Electricity	%	%	%	%	%	%	%	%
Other accommodation	%	%	%	%	%	%	%	%
Owned vacation home						%	%	%
Traveler accommodation	%	%	%	%	%	%	%	%
Household operation	%	%	%	%	%	%	%	%
Communications	%	%	%	%	%	%	%	%
Telephone	%	%	%	%	%	%	%	%
Purchase of telephones, etc.							%	%
Telephone services				%	%	%	%	%
Basic charge		%	%	%	%	%		
Long distance toll charges		%	%	%	%	%		
Cellular services						%	%	%
Internet services						%	%	%
Postal and other communication services (excluding parcels)						%	%	%
Child care expenses	%	%	%	%	%	%	%	%

Description	1982	1984	1986	1990	1992	1996	1997	1998
	Family Expenditure Survey					SHS		
Domestic and other custodial services						%	%	%
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 – 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 – Men and boys							%	%
Children's wear including gifts (under 4 years)							%	%
Infants' wear (under 4 years)	%	%	%	%	%	%		
Clothing gifts – 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							%	%
Rented and leased automobiles and trucks						%	%	%
Operation of owned and leased automobiles and trucks	%	%	%	%	%	%	%	%
Gasoline and other fuels	%	%	%	%	%	%	%	%
Maintenance and repair jobs		%	%	%	%	%	%	%
Garage rent and parking						%	%	%
Private and public vehicle insurance premiums		%	%	%	%	%	%	%
Public transportation	%	%	%	%	%	%	%	%
Local and commuter transportation	%	%	%	%	%	%	%	%

Description	1982	1984	1986	1990	1992	1996	1997	1998
	Family Expenditure Survey					SHS		
Inter-city transportation	%	%	%	%	%	%	%	%
Airplane		%	%	%	%	%		
Other passenger transportation							%	%
Household movers, storage and delivery services						%	%	%
Health care	%	%	%	%	%	%	%	%
Direct 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	%	%	%	%	%	%	%	%
Eye glasses					%			
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					%	%	%	%
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 components					%	%	%	%

Description	1982	1984	1986	1990	1992	1996	1997	1998
	Family Expenditure Survey					SHS		
Audio combinations and radios					%	%		
Compact discs, audio tapes and records					%	%	%	%
Blank audio and video tapes							%	%
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 (formerly Spectator entertainment performances)	%	%	%	%	%	%	%	%
Movie theatres					%	%	%	%
Live sports events					%	%	%	%
Live performing arts					%	%	%	%
Rental of cablevision and satellite services						%	%	%
Rental of cablevision					%			
Rental of satellite services					%			
Use of recreation facilities		%	%	%	%	%	%	%
Membership fees and dues					%	%	%	%
Fees for single usage					%	%	%	% *
Children's camps						%	%	%
Admission to museums and other activities and venues					%	%	%	%
Package travel tours	%	%	%	%	%	%	%	%
Sightseeing tours and excursion packages						%		
Other cultural and recreational services							%	%
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 (content may vary)	%	%	%	%	%	%	%	%
Interest on personal loans	%	%	%	%	%	%		

Description	1982	1984	1986	1990	1992	1996	1997	1998
	Family Expenditure Survey						SHS	
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 (EI) (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 and contributions	%	%	%	%	%	%		
Money gifts and contributions (includes "other" gifts)	%	%	%	%	%	%		
Money gifts and contributions to persons inside and outside Canada		%	%	%	%			
Money and support payments to persons inside Canada							%	%
Money and support payments to persons outside Canada							%	%
Other gifts eg. flowers, clothing, toys	%	%	%	%	%	%		
Charities	%	%	%	%	%	%		
Contribution to religious charity	%	%	%	%	%	%	%	%
Contribution to non-religious charity	%	%	%	%	%	%	%	%
Total value of gifts received	%	%	%	%	%	%		

\* See Appendix D



## APPENDIX D

### Comparison of variables from the 1997 and the 1998 SHS

1997 Variable	1998 Variable	Comment
Hospital and other health care services	deleted	The components of this variable are still on the file in 1998. They are: hospital care, other health care practitioners, and other medical services.
Other health care services	deleted	The components of this variable are still on the file in 1998. They are: other health care practitioners, and other medical services.
Toys, games and hobby equipment	Toys, electronic games and art/hobby materials	The 1997 variable included spending on computer equipment and supplies. The 1998 variable does not. However, computer equipment and supplies are available separately.
Fees for single usage of sports and recreation facilities	Single use fees for sports and recreation facilities	The 1997 variable included spending on coin-operated and carnival games such as pinball and video games. In 1998, coin-operated and carnival games are included under "Use of recreation facilities".

# APPENDIX E

**Technical Table 1**      **Coefficients of Variation (%) for Dwelling Characteristics and Household Equipment, Canada, Provinces and Territories, 1998**

	Canada	Nfld	PEI	NS	NB	Qc	Ont
Estimated number of households	1.93	1.53	0.67	0.65	0.65	0.51	3.39
Average household income before tax	0.97	2.61	2.62	2.21	2.11	1.85	1.96
Average household size	0.14	0.34	0.46	0.37	0.30	0.24	0.28
Average number of rooms per dwelling	0.42	1.01	1.66	1.00	1.20	0.85	0.88
<b>DWELLING CHARACTERISTICS</b>							
Dwelling type							
Single detached	1.14	2.21	3.37	2.28	2.52	2.41	2.45
Single attached	5.28	14.16	23.63	15.30	18.41	8.25	9.67
Apartment	1.84	9.71	9.25	7.06	9.05	2.45	4.43
Other	8.04	26.60	24.82	17.87	17.57	19.98	27.10
Dwelling repairs							
Major	3.67	12.01	16.10	7.55	8.92	7.31	8.11
Minor	2.58	7.68	10.30	7.12	7.54	5.12	5.61
None	0.70	1.85	2.11	2.38	2.39	1.31	1.42
Tenure							
Owned	0.95	1.93	3.29	2.13	2.28	1.84	2.06
With mortgage	1.80	5.55	6.50	4.20	3.89	3.17	3.80
Without mortgage	1.64	3.47	5.23	3.65	4.38	3.40	3.55
Rented	1.75	6.18	7.66	5.61	6.28	2.43	4.18
Year of move							
1998	2.73	8.29	11.98	7.67	8.57	5.21	5.79
1993 - 1997	1.76	5.99	5.94	4.20	6.68	3.39	3.87
Before 1993	1.27	2.47	3.24	2.32	2.74	2.17	2.79
Period of construction							
1991 - 1998	6.53	11.73	14.48	11.61	14.93	10.32	15.18
1981 - 1990	2.97	7.59	9.09	6.60	7.22	5.70	6.41
1971 - 1980	2.43	5.79	8.73	6.55	6.20	4.95	5.74
1961 - 1970	2.87	7.69	13.63	9.43	7.94	5.38	5.99
1946 - 1960	2.99	7.96	11.81	8.87	8.81	5.22	6.15
Before 1946	3.30	9.27	7.61	6.01	8.14	5.78	6.47
Number of rooms							
1-4	1.87	7.51	8.11	5.95	6.99	2.92	4.49
5	2.61	7.01	8.22	6.97	6.02	4.55	6.21
6	2.78	5.38	8.93	6.39	6.77	6.00	5.29
7 or more	1.54	3.89	5.91	3.62	4.55	3.57	3.14
Bathrooms							
1	0.99	1.74	2.05	1.73	1.77	1.37	2.33
2 or more	1.79	6.35	8.66	6.62	6.70	4.15	3.79
Principal heating equipment							
Steam or hot water furnaces	3.22	10.63	4.04	5.53	10.98	6.84	7.48
Forced hot air furnaces	1.15	6.11	5.79	4.08	7.11	5.37	1.88
Other hot air furnaces	8.59	27.12	28.61	33.57	17.51	16.09	18.42
Heating stoves	5.46	10.90	19.09	10.39	9.13	8.54	18.77
Electric heating	1.85	4.00	28.98	5.72	3.67	1.96	7.68
Other	23.44	59.91	99.50	41.43	49.87	100.25	46.53
Age of principal heating equipment							
5 years or less	3.28	6.53	6.75	6.06	6.96	6.67	6.44
6 to 10 years	2.91	7.15	8.16	6.28	7.21	6.13	5.72
Over 10 years	1.15	3.63	4.47	3.38	3.08	1.66	2.87

**Technical Table 1**      **Coefficients of Variation (%) for Dwelling Characteristics and Household Equipment, Canada, Provinces and Territories, 1998**

Man	Sask	Alta	BC	Yuk	NWT	Nunavut	
1.07	0.66	0.76	0.39	5.10	4.47	9.72	Estimated number of households
1.95	2.10	1.61	2.06	6.21	4.60	8.00	Average household income before tax
0.31	0.32	0.29	0.38	0.93	1.02	0.69	Average household size
1.1	0.95	0.80	0.99	3.78	3.81	2.10	Average number of rooms per dwelling
							<b>DWELLING CHARACTERISTICS</b>
							Dwelling type
2.54	1.87	2.39	2.59	14.59	18.03	5.57	Single detached
14.13	16.94	9.79	9.02	57.15	41.22	9.91	Single attached
6.16	6.40	6.09	3.86	33.21	30.82	54.50	Apartment
29.45	16.27	17.09	18.71	46.76	33.16	0.00	Other
							Dwelling repairs
8.72	10.12	10.13	9.03	14.42	5.30	23.69	Major
5.46	5.84	5.57	6.23	12.16	21.94	15.35	Minor
2.11	1.84	1.88	1.56	4.89	6.72	5.44	None
							Tenure
2.31	1.91	1.97	1.94	8.30	13.75	5.63	Owned
4.24	4.63	3.67	3.53	9.16	10.62	19.77	With mortgage
3.57	3.35	3.81	4.02	16.74	24.72	21.04	Without mortgage
5.11	4.25	4.39	3.40	15.37	12.39	1.68	Rented
							Year of move
7.07	6.58	5.20	6.41	16.15	20.05	19.53	1998
3.87	4.17	3.82	2.98	9.53	9.35	9.37	1993 - 1997
2.53	2.64	3.26	2.82	11.57	13.70	15.17	Before 1993
							Period of construction
17.93	16.78	14.15	6.72	22.26	36.42	11.88	1991 - 1998
8.68	7.63	6.88	6.50	19.79	20.70	10.35	1981 - 1990
7.49	5.39	4.76	4.44	12.02	13.64	12.76	1971 - 1980
6.79	6.85	7.23	6.03	21.89	14.68	16.77	1961 - 1970
7.26	7.18	7.62	7.07	44.38	19.73	69.78	1946 - 1960
7.64	8.16	11.21	9.79	62.18	94.38	0.00	Before 1946
							Number of rooms
4.4	4.81	5.41	3.65	15.08	17.73	14.75	1-4
5.12	5.72	5.37	5.77	14.88	15.52	12.25	5
6.85	6.31	5.54	6.58	24.26	8.97	14.59	6
4.02	3.11	2.47	3.18	13.29	23.39	22.38	7 or more
							Bathrooms
2.17	2.55	2.86	2.63	9.05	5.27	0.95	1
4.48	3.85	2.90	2.78	15.49	12.18	42.71	2 or more
							Principal heating equipment
10.35	7.72	7.34	6.11	30.32	31.85	29.75	Steam or hot water furnaces
2.72	1.57	1.33	2.98	12.15	13.43	25.37	Forced hot air furnaces
18.38	21.23	21.11	19.36	47.04	43.35	57.71	Other hot air furnaces
25.63	29.74	32.42	15.18	27.11	43.91	103.74	Heating stoves
6.84	16.50	26.45	4.66	23.77	37.16	61.41	Electric heating
64.93	0.00	0.00	29.07	71.28	104.60	0.00	Other
							Age of principal heating equipment
6.98	6.97	5.66	5.88	10.22	25.12	32.23	5 years or less
7.41	7.36	7.80	5.94	18.26	10.68	17.48	6 to 10 years
2.29	1.83	2.64	2.16	8.21	11.79	6.96	Over 10 years

**Technical Table 1**      **Coefficients of Variation (%) for Dwelling Characteristics and Household Equipment, Canada, Provinces and Territories, 1998 - concluded**

	Canada	Nfld	PEI	NS	NB	Qc	Ont
Principal heating fuel							
Oil or other liquid fuel	3.45	5.75	1.81	2.87	7.45	5.49	8.66
Piped gas	1.61	0.00	0.00	0.00	0.00	9.71	2.86
Bottled gas	14.06	51.29	43.28	25.16	57.34	55.81	27.00
Electricity	1.69	3.98	27.58	5.57	3.19	1.75	6.72
Wood	7.13	9.37	12.56	7.29	5.92	6.57	32.87
Other	31.30	100.21	100.19	45.29	100.31	60.33	0.00
Principal heating fuel for hot water							
Oil or other liquid fuel	4.68	10.35	2.57	4.47	10.12	9.63	14.14
Piped gas	1.65	0.00	0.00	0.00	0.00	9.80	2.90
Electricity	1.37	1.60	7.46	3.18	1.08	0.99	5.22
Other heating fuel or no running hot water	20.14	31.15	14.71	14.29	22.11	49.58	47.89
Principal fuel to cook							
Piped gas	5.40	0.00	0.00	0.00	0.00	20.44	7.96
Electricity	0.34	0.63	1.35	1.22	0.55	0.32	0.85
Other cooking fuel	11.93	16.05	12.55	14.22	29.83	26.43	40.28
HOUSEHOLD EQUIPMENT (AT DECEMBER 31)							
Washing machine							
Automatic	0.62	1.42	2.09	1.71	2.00	0.92	1.47
Other	9.71	11.13	21.73	16.31	26.97	47.14	23.52
Clothes dryer	0.63	1.20	2.30	1.70	2.03	0.99	1.46
Dishwasher							
Built in	1.46	5.91	6.01	4.81	5.12	2.50	3.30
Portable	4.12	16.46	19.39	11.31	13.35	9.74	8.38
Refrigerators							
1	0.63	1.19	1.05	1.17	1.12	1.12	1.42
2 or more	2.15	8.05	12.55	8.66	8.45	4.63	4.01
Freezer	0.90	1.55	3.02	2.19	2.32	2.17	1.85
Microwave oven	0.40	1.08	1.46	0.99	0.88	0.84	0.80
Air conditioner							
Window	3.77	72.57	26.85	18.09	15.78	6.27	6.31
Central	2.90	27.03	46.08	26.36	20.34	8.48	3.75
Telephones							
1	2.16	6.11	6.92	5.32	4.90	3.96	4.77
2	1.64	4.03	4.86	4.50	3.65	3.19	3.60
3 or more	1.44	4.01	4.95	3.83	4.87	3.13	2.76
Cellular Telephone	1.96	7.83	9.61	6.12	6.39	5.43	3.75
Compact disc player	0.72	2.01	2.72	2.20	2.14	1.50	1.46
Cablevision	1.07	1.97	4.17	2.04	2.28	1.75	2.50
Video cassette recorders							
1	0.91	2.36	2.66	2.72	2.39	1.76	1.83
2 or more	1.85	5.63	8.73	4.97	5.49	3.84	3.81
Home computer	1.26	4.04	5.95	3.77	4.73	2.86	2.44
Modem	1.75	4.79	8.01	5.54	5.86	4.05	3.41
Internet use from home	2.06	5.86	9.52	6.55	6.53	4.89	3.96
Colour televisions							
1	1.32	3.68	5.26	3.64	3.80	2.78	2.73
2	1.49	3.48	5.21	3.64	3.59	2.86	3.09
3 or more	2.23	4.73	7.60	5.92	6.64	4.71	4.37
Owned vehicles (automobiles, trucks & minivans)							
1	1.31	3.78	4.75	3.51	3.86	2.25	2.92
2 or more	1.47	4.79	4.71	3.95	3.77	3.38	3.14
Owned automobiles							
1	1.18	3.23	4.05	2.97	2.88	2.30	2.56
2 or more	2.30	9.99	8.56	7.97	7.25	4.74	4.33
Owned trucks and minivans							
1	1.81	4.55	6.71	4.88	4.33	4.55	3.88
2 or more	4.24	14.98	18.46	14.73	11.34	15.63	10.29
Leased vehicles (automobiles, trucks & minivans)							
1	4.17	10.60	16.60	12.50	10.00	6.51	8.46
2 or more	13.75	44.63	42.13	47.60	29.59	24.09	23.15

0.00 = item not reported

**Technical Table 1**      **Coefficients of Variation (%) for Dwelling Characteristics and Household Equipment, Canada, Provinces and Territories, 1998 - concluded**

Man	Sask	Alta	BC	Yuk	NWT	Nunavut	
22.63	20.23	30.91	10.17	10.05	4.41	2.91	Principal heating fuel
2.88	2.11	0.56	2.96	0.00	0.00	0.00	Oil or other liquid fuel
28.01	33.94	24.38	25.06	37.58	23.16	0.00	Piped gas
5.25	13.83	17.82	4.16	22.71	26.17	66.88	Bottled gas
20.84	25.99	36.46	16.79	27.78	58.85	0.00	Electricity
0	100.47	0.00	70.23	102.33	0.00	0.00	Wood
							Other
100.06	39.28	52.50	20.34	30.61	13.29	7.76	Principal heating fuel for hot water
3.32	2.30	0.89	3.08	0.00	0.00	0.00	Oil or other liquid fuel
3.92	8.96	10.56	3.62	3.89	13.77	37.48	Piped gas
24.22	32.73	26.23	28.54	37.56	30.41	106.60	Electricity
							Other heating fuel or no running hot water
17	19.03	9.56	9.74	0.00	0.00	0.00	Principal fuel to cook
0.49	0.37	0.95	0.81	1.18	1.13	0.00	Piped gas
50.75	59.33	37.82	23.96	39.72	52.12	0.00	Electricity
							Other cooking fuel
							HOUSEHOLD EQUIPMENT (AT DECEMBER 31)
1.73	1.49	1.23	1.46	6.81	6.28	10.22	Washing machine
23.62	20.96	25.96	28.57	49.99	61.06	71.41	Automatic
1.69	1.42	1.15	1.54	6.80	7.72	9.16	Other
							Clothes dryer
3.81	3.84	2.76	2.85	11.46	11.71	27.04	Dishwasher
8.73	8.64	7.85	9.21	28.14	18.86	45.77	Built in
							Portable
1.72	2.04	1.63	1.30	3.20	2.58	0.70	Refrigerators
5.02	5.03	5.01	4.46	23.92	35.50	62.45	1
1.75	1.37	1.77	2.06	8.08	7.02	13.36	2 or more
1.01	0.99	0.67	0.98	2.33	3.82	9.16	Freezer
							Microwave oven
7.34	7.81	11.94	10.12	100.17	54.40	106.60	Air conditioner
4.31	5.59	10.16	11.70	100.23	48.26	0.00	Window
							Central
4.98	4.14	5.58	4.78	13.55	8.49	10.33	Telephones
4.48	3.74	3.37	3.53	13.02	4.04	11.37	1
4.08	4.16	2.39	3.34	9.97	21.64	23.29	2
5.06	4.48	2.92	3.55	16.39	21.00	0.00	3 or more
2	1.95	1.44	1.60	4.16	2.90	7.70	Cellular Telephone
1.74	2.66	1.75	1.49	11.69	4.23	10.40	Compact disc player
							Cablevision
2.67	2.43	2.16	2.14	4.71	3.16	6.88	Video cassette recorders
4.17	4.83	3.46	4.34	12.29	6.75	35.25	1
2.96	3.36	2.43	2.35	5.68	5.37	11.45	2 or more
4.04	4.59	3.22	3.29	6.85	10.17	22.48	Home computer
4.79	5.65	3.78	4.28	8.42	10.94	28.91	Modem
							Internet use from home
3.31	2.82	3.18	2.43	7.26	9.36	11.78	Colour televisions
3.74	3.42	3.29	3.63	6.15	8.44	27.57	1
5.04	5.80	4.74	5.81	14.08	10.71	26.18	2
							3 or more
2.84	3.02	2.99	2.93	8.91	11.11	25.73	Owned vehicles (automobiles, trucks & minivans)
3.24	2.94	2.51	2.89	10.43	20.24	60.03	1
							2 or more
2.45	2.74	2.60	2.50	6.98	7.71	18.28	Owned automobiles
5.61	5.76	4.65	5.97	21.98	28.54	95.52	1
							2 or more
4.46	3.71	3.33	3.69	7.77	7.67	31.16	Owned trucks and minivans
10.25	8.09	6.65	9.38	21.50	33.14	0.00	1
							2 or more
10.5	10.31	9.75	12.24	40.78	25.14	89.64	Leased vehicles (automobiles, trucks and minivans)
38.8	50.06	30.72	49.63	100.32	0.00	0.00	1
							2 or more

0.00 = item not reported

**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998**

	Canada	Nfld	PEI	NS	NB	Qc	Ont
Estimated number of households	1.95	1.55	0.64	0.74	0.64	0.65	3.40
Household size	0.14	0.29	0.38	0.42	0.27	0.29	0.28
Number of children aged less than 5	2.42	7.31	10.62	8.04	6.58	5.60	4.39
Number of children aged 5 to 14 years	1.16	2.97	4.30	3.40	2.58	2.32	2.37
Number of youths aged 15 to 19 years	2.18	4.75	6.62	5.80	5.39	4.29	4.46
Number of youths aged 20 to 24 years	2.77	6.95	10.10	8.67	7.92	5.68	5.45
Number of adults aged 25 to 64 years	0.37	0.89	1.31	1.04	0.99	0.73	0.74
Number of seniors aged 65 years and over	0.29	0.67	0.80	0.68	0.56	0.54	0.63
Number of part-time earners	1.21	3.70	3.74	3.35	3.26	2.55	2.49
Number of full-time earners	0.97	4.90	4.97	3.27	3.29	2.16	1.77
Age of reference person	0.29	0.60	0.83	0.62	0.71	0.56	0.62
Household income before tax	0.96	2.62	2.58	2.24	2.13	1.84	1.93
Other money receipts	11.12	21.93	23.88	23.41	28.54	16.36	19.12
Money flows - assets, loans and other debts	8.91	20.81	24.27	22.48	15.51	15.66	15.27
Percentage							
Homeowner on December 31	0.93	1.88	3.23	2.07	2.29	1.83	1.98
Automobile or truck owners on December 31	0.57	1.74	1.73	1.68	1.50	1.18	1.23
One-person households	0.67	2.40	1.59	2.14	1.61	1.27	1.45
Husband-wife households	0.62	1.37	1.80	1.69	1.40	1.21	1.22
Lone-parent households	4.20	10.88	14.48	11.88	9.84	7.98	8.75
With no full-time earner	1.15	3.06	4.12	2.83	2.72	2.23	2.53
With one full-time earner	1.47	5.61	6.05	3.98	3.50	3.09	3.00
With two or more full-time earners	2.16	7.89	9.56	7.17	6.30	4.69	3.91
With wife employed full time	2.08	6.94	8.67	6.54	5.65	4.63	3.88
With husband employed full time	1.22	6.08	6.50	4.24	3.61	2.57	2.26
With age of reference person:							
Under 25 years	5.92	22.93	22.98	17.16	17.64	12.36	12.87
25 to 44 years	1.23	2.96	4.17	3.09	2.93	2.43	2.63
45 to 64 years	1.40	3.35	3.95	3.86	3.23	2.66	2.85
65 years or older	1.23	2.57	3.08	2.71	2.39	2.20	2.78
<b>Total expenditure</b>	0.80	2.45	2.56	2.05	1.86	1.62	1.52
<b>Total current consumption</b>	0.63	1.93	2.02	1.70	1.47	1.32	1.15
Food	0.55	1.30	1.50	1.30	1.74	1.10	1.12
Food purchased from stores	0.48	1.11	1.39	1.22	1.19	0.93	0.98
Locally and on day trips	0.49	1.09	1.40	1.21	1.19	0.93	0.99
While on trips overnight or longer	4.01	11.50	13.64	8.09	9.58	9.84	8.86
Board paid to private households	10.93	24.48	27.82	32.94	60.61	13.37	23.21
Board paid by household members including roomers	13.72	28.81	19.66	38.51	65.78	13.94	36.88
While on trips overnight or longer	16.13	36.32	83.44	48.61	55.40	29.17	26.47
Food purchased from restaurants	1.55	4.53	4.06	3.99	3.45	3.42	2.95
Shelter	0.81	2.85	2.94	2.05	2.49	1.44	1.54
Principal accommodation	0.83	2.80	2.92	1.99	2.51	1.39	1.58
Rented living quarters	2.19	6.76	8.21	6.92	9.12	2.98	4.65
Rent	2.19	6.85	8.36	6.90	9.19	2.99	4.65
Tenants' maintenance, repairs and alterations	16.26	27.36	30.07	28.33	31.50	34.58	25.85
Tenants' insurance premiums	3.87	19.92	11.28	14.17	13.01	4.68	10.14
Owned living quarters	1.64	5.33	6.29	3.89	4.45	2.98	3.07
Regular mortgage payments	2.15	7.41	7.40	4.97	5.70	3.78	4.05
Maintenance, repairs and replacements	3.65	6.20	11.43	7.94	8.15	7.32	6.56
Condominium charges	9.16	57.46	71.64	29.87	35.85	21.78	15.98
Property taxes	1.35	4.24	5.83	3.36	3.54	2.63	2.39
Homeowners' insurance premiums	1.46	3.38	4.46	2.87	3.12	2.92	2.95
Other expenditures for owned living quarters	5.90	15.96	17.88	11.96	14.51	10.64	10.42
Commissions for sale of real estate	10.31	36.19	37.21	34.16	32.64	32.90	17.67
Legal fees related to the dwelling(s)	7.08	19.19	18.48	16.43	18.93	13.05	12.42
Mortgage insurance premiums	4.35	8.96	10.31	7.28	8.34	6.44	8.19
Appraisals, surveying and mortgage penalties	14.60	26.47	31.34	21.24	26.99	18.00	20.15
Transfer taxes and land registration fees	10.93	25.68	29.53	32.54	28.93	15.92	16.54
Water, fuel and electricity	0.75	1.75	2.61	1.57	1.84	1.49	1.56
Water and sewage	2.71	8.64	8.72	6.07	7.04	12.63	5.09

**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998**

Man	Sask	Alta	BC	Yuk	NWT	Nunavut	
1.1	0.67	0.78	0.39	4.65	4.31	10.07	Estimated number of households
0.28	0.35	0.31	0.36	0.81	0.45	1.79	Household size
6.52	6.09	5.92	6.31	20.16	12.82	9.45	Number of children aged less than 5
3.24	2.56	2.69	2.94	5.34	6.90	4.18	Number of children aged 5 to 14 years
6.22	4.37	5.16	5.50	13.67	14.02	9.45	Number of youths aged 15 to 19 years
7.56	7.35	6.76	6.35	20.82	18.50	16.11	Number of youths aged 20 to 24 years
1.01	1.07	1.09	0.82	3.62	2.27	3.37	Number of adults aged 25 to 64 years
0.64	0.80	0.67	0.58	18.45	16.27	23.62	Number of seniors aged 65 years and over
3.14	3.05	2.70	3.08	5.17	7.27	7.08	Number of part-time earners
2.57	2.69	2.03	2.41	7.29	5.06	13.43	Number of full-time earners
0.63	0.70	0.68	0.54	2.18	2.81	2.66	Age of reference person
1.96	2.09	1.59	2.04	6.23	5.01	8.09	Household income before tax
14.54	41.66	27.58	27.62	40.75	18.85	20.41	Other money receipts
16.91	39.05	27.46	20.42	23.04	33.49	56.39	Money flows - assets, loans and other debts
							Percentage
2.22	1.79	1.91	1.82	7.89	12.23	5.56	Homeowner on December 31
1.43	1.11	0.92	1.11	4.56	3.58	30.04	Automobile or truck owners on December 31
1.36	1.36	1.60	1.46	2.34	3.15	14.42	One-person households
1.59	1.54	1.62	1.57	5.32	4.13	3.11	Husband-wife households
10.66	10.36	10.26	9.40	15.57	23.19	32.80	Lone-parent households
3.51	2.85	2.63	2.47	11.20	7.60	8.41	With no full-time earner
3.6	3.47	2.74	3.27	10.13	8.12	8.67	With one full-time earner
4.95	5.56	5.00	5.29	15.73	10.32	31.26	With two or more full-time earners
5.51	4.81	4.84	4.59	12.11	8.10	14.69	With wife employed full time
3.68	3.53	2.86	3.12	8.11	9.67	16.64	With husband employed full time
							With age of reference person:
14.71	11.25	12.40	13.94	36.56	33.83	29.71	Under 25 years
3.02	2.74	2.39	2.62	8.54	5.63	4.97	25 to 44 years
3.35	3.81	3.48	3.16	11.11	13.27	12.31	45 to 64 years
2.19	1.96	2.98	2.39	21.93	18.08	26.97	65 years or older
1.77	1.84	1.56	2.02	5.17	5.40	8.92	<b>Total expenditure</b>
1.36	1.46	1.44	1.68	4.29	3.55	7.97	<b>Total current consumption</b>
1.19	1.31	1.20	1.27	4.10	4.36	7.90	Food
1.26	1.32	1.07	1.25	3.76	4.27	7.31	Food purchased from stores
1.27	1.33	1.08	1.27	3.49	3.87	7.29	Locally and on day trips
7.17	7.63	5.80	6.77	16.85	34.03	56.84	While on trips overnight or longer
26.12	32.90	37.25	30.86	69.32	57.63	87.06	Board paid to private households
32.81	46.28	19.51	24.49	96.56	74.66	124.10	Board paid by household members including roomers
42.73	40.44	52.29	39.56	34.08	87.96	87.80	While on trips overnight or longer
3.25	3.01	2.66	3.22	6.88	9.05	15.04	Food purchased from restaurants
1.73	2.07	1.84	1.78	3.00	7.44	17.16	Shelter
1.80	2.11	1.86	1.82	3.63	8.10	16.18	Principal accommodation
6.04	4.96	4.86	3.81	14.76	22.85	24.89	Rented living quarters
6.04	5.00	4.91	3.82	14.76	23.13	24.97	Rent
50.31	33.16	28.00	20.15	42.33	13.21	60.01	Tenants' maintenance, repairs and alterations
11.23	9.91	7.38	8.90	38.61	16.71	28.26	Tenants' insurance premiums
3.63	3.85	3.42	3.17	7.41	9.46	22.31	Owned living quarters
4.78	5.34	4.13	4.15	9.38	11.36	27.82	Regular mortgage payments
7.92	6.38	7.53	11.31	13.24	16.35	55.48	Maintenance, repairs and replacements
23.97	42.04	14.73	9.52	88.92	38.11	115.77	Condominium charges
3.33	3.26	2.92	2.69	9.60	12.96	52.89	Property taxes
2.86	2.54	2.76	2.73	8.63	9.96	15.39	Homeowners' insurance premiums
11.52	16.62	10.50	14.92	37.97	63.20	61.65	Other expenditures for owned living quarters
19.68	27.38	18.59	21.80	43.81	59.61	0.00	Commissions for sale of real estate
18.17	16.69	11.28	15.97	26.53	31.90	104.41	Legal fees related to the dwelling(s)
10.18	8.32	8.90	11.00	14.81	24.94	39.00	Mortgage insurance premiums
23.29	20.29	19.12	55.16	79.30	94.61	116.59	Appraisals, surveying and mortgage penalties
19.13	25.97	14.61	15.80	29.76	36.01	68.19	Transfer taxes and land registration fees
1.89	1.86	1.42	1.62	4.78	7.19	5.68	Water, fuel and electricity
3.62	3.52	3.52	4.79	12.94	7.55	19.04	Water and sewage

**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998 - continued**

	Canada	Nfld	PEI	NS	NB	Qc	Ont
Fuel (eg. oil, gas, etc.)	1.36	5.49	4.19	3.52	5.57	4.75	2.27
Electricity	0.97	1.91	1.72	2.04	1.90	1.61	2.34
Other accommodation	3.34	9.06	10.17	10.79	8.06	7.25	6.38
Owned vacation home	6.10	13.58	20.33	15.42	15.51	11.77	11.24
Maintenance, repairs and replacements	11.56	27.38	43.91	29.77	22.36	23.85	25.13
Property taxes and sewage charges	6.17	20.67	18.63	15.63	18.55	13.09	10.74
Insurance premiums	6.43	14.65	21.13	16.62	17.90	13.10	13.20
Electricity, water and fuel	7.14	17.06	24.96	19.81	21.98	14.65	12.60
Other expenses for owned vacation home	16.15	49.83	41.41	48.58	36.73	27.25	25.05
Traveller accommodation	3.74	10.70	9.66	11.39	9.22	8.67	7.21
Hotels and motels	3.78	10.67	9.41	8.67	9.91	7.05	8.03
Other accommodation away from home	7.44	16.89	29.15	25.14	15.09	17.15	12.02
Household operation	0.95	2.39	2.79	2.55	2.41	1.94	1.87
Communications	0.90	2.36	2.03	2.06	1.59	1.78	1.82
Telephone	0.86	2.30	1.91	1.80	1.49	1.59	1.75
Purchase of telephones and equipment	3.21	10.54	10.38	8.66	11.35	7.10	5.92
Telephone services	0.87	2.27	1.92	1.83	1.50	1.61	1.77
Telephone service	0.87	2.26	1.95	1.83	1.51	1.62	1.79
Installation and repairs	6.54	20.14	16.26	14.29	25.79	10.38	10.16
Cellular services	2.98	11.77	14.18	9.60	9.42	9.09	5.57
Internet services	2.86	11.56	11.97	9.20	9.35	6.63	5.50
Postal and other communication services	2.11	4.51	4.17	4.32	5.21	3.31	3.91
Child care expenses	4.45	11.86	13.28	12.07	10.97	7.46	8.72
Child care outside the home	5.00	14.33	15.76	15.37	14.21	7.44	9.79
Day-care centres	6.41	19.79	20.09	22.80	18.94	8.50	14.73
Other child care outside the home	8.15	21.56	29.91	18.94	20.95	20.03	11.70
Child care in the home	8.98	20.69	22.66	17.77	17.94	17.62	18.29
Domestic and other custodial services	6.40	26.13	16.82	23.90	23.00	10.86	11.22
Pet expenses	3.22	5.22	7.51	5.56	4.53	4.39	6.75
Pet food	2.55	5.19	6.67	5.63	4.58	4.69	5.33
Purchase of pets	18.31	21.24	23.25	46.36	18.84	17.45	35.74
Purchase of pet related goods	3.86	7.86	11.60	7.74	7.78	5.72	7.86
Veterinarian and other services	5.67	8.67	12.08	7.87	8.21	7.20	10.75
Household cleaning supplies	1.08	2.54	3.52	2.59	2.57	2.32	2.16
Paper, plastic and foil household supplies	0.97	2.17	2.40	2.43	2.49	2.13	1.97
Stationery (excluding school supplies)	1.46	3.71	3.88	4.03	3.36	3.05	2.86
Other paper and plastic supplies	1.08	2.24	2.87	2.63	2.82	2.36	2.20
Garden supplies and services	2.00	6.68	8.93	4.63	5.20	4.11	3.65
Nursery & greenhouse stock, cut flowers, decorative plants	2.01	8.11	7.14	5.31	6.05	4.18	3.74
Fertilizers, soil and soil conditioners	3.46	8.26	9.59	7.07	8.10	5.71	5.34
Pesticides	4.41	7.69	11.60	10.28	8.39	9.08	5.91
Horticultural services, snow and garbage removal	4.35	11.47	18.52	9.35	9.70	7.67	8.07
Other household supplies	1.64	4.10	4.93	3.51	4.35	3.04	3.47
Household furnishings and equipment	2.15	3.57	4.20	3.45	3.53	3.52	4.16
Household furnishings	3.07	4.51	7.02	5.75	6.09	5.44	5.59
Furniture	3.69	5.93	9.05	7.01	7.57	6.63	6.94
Rugs, mats and underpadding	7.34	12.31	20.88	16.65	18.81	13.91	11.43
Window coverings and household textiles	2.58	5.29	6.29	6.60	6.80	5.06	4.85
Art, antiques and decorative ware	8.72	14.11	15.35	13.66	13.36	11.70	15.61
Works of art, carvings and vases	14.20	27.48	36.18	16.09	22.42	18.58	23.85
Antiques	23.83	59.10	30.00	34.27	35.40	40.11	47.36
Glass mirrors, and mirror and picture frames	4.26	10.74	13.52	11.35	10.32	11.15	7.64
Household equipment	2.26	4.46	4.97	3.60	4.00	3.63	4.90
Household appliances	2.36	5.76	7.44	4.94	6.39	5.33	4.63
Room air conditioners, portable humidifiers & dehumidifiers	8.12	29.25	35.15	21.46	28.32	16.54	12.50
Refrigerators and freezers	5.05	13.56	16.17	13.46	11.91	10.08	9.89
Cooking stoves and ranges	6.71	13.35	19.75	15.95	15.47	13.60	12.31
Microwave and convection ovens	6.01	14.18	19.80	14.15	16.68	13.90	11.67



**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998 - continued**

Man	Sask	Alta	BC	Yuk	NWT	Nunavut	
3.37	2.59	2.09	4.02	8.57	11.23	14.97	Fuel (eg. oil, gas, etc.)
2.61	2.19	2.03	1.99	4.61	6.48	4.28	Electricity
6.13	6.03	5.59	5.64	10.45	9.86	34.85	Other accommodation
11.87	13.19	12.67	12.36	28.40	15.71	61.80	Owned vacation home
32.37	22.83	28.23	27.98	68.01	34.15	84.01	Maintenance, repairs and replacements
11.52	12.49	11.59	11.68	10.48	20.21	43.43	Property taxes and sewage charges
16.15	16.30	16.59	13.55	26.40	22.76	46.94	Insurance premiums
14.46	18.42	22.43	18.65	26.26	39.70	63.52	Electricity, water and fuel
38.67	45.29	30.54	20.47	78.51	41.63	96.54	Other expenses for owned vacation home
7.42	6.07	5.43	5.53	8.74	8.07	26.25	Traveller accommodation
7.99	6.06	5.19	5.91	10.50	9.51	23.78	Hotels and motels
14.46	15.14	14.56	13.02	32.30	31.50	81.95	Other accommodation away from home
1.81	2.20	1.88	2.42	5.70	5.83	10.41	Household operation
1.89	2.12	2.21	1.99	6.73	5.68	15.76	Communications
1.95	2.04	2.33	2.00	7.26	5.94	16.21	Telephone
8.53	8.01	7.07	6.64	20.26	20.60	9.50	Purchase of telephones and equipment
1.95	2.06	2.37	2.00	7.32	6.13	16.61	Telephone services
1.96	2.06	2.39	1.94	7.46	6.21	16.66	Telephone service
10.65	12.88	16.10	23.71	20.45	25.30	20.73	Installation and repairs
7.11	8.15	6.10	6.01	29.59	26.55	108.34	Cellular services
7.12	9.15	5.63	5.41	8.25	14.95	32.65	Internet services
4.5	3.61	3.94	6.84	8.63	11.83	22.47	Postal and other communication services
11	10.07	9.68	12.81	16.48	18.90	27.55	Child care expenses
12.46	10.81	11.30	15.70	19.95	22.73	34.59	Child care outside the home
15.2	14.89	14.96	16.28	23.39	36.25	54.00	Day-care centres
22.61	16.67	16.48	32.75	71.49	18.88	42.23	Other child care outside the home
22.42	22.14	18.78	21.97	38.00	25.65	28.17	Child care in the home
12.66	13.50	12.64	19.94	37.64	50.54	65.56	Domestic and other custodial services
5.41	5.37	5.29	5.58	10.27	8.32	38.40	Pet expenses
4.83	5.78	4.84	6.01	10.34	6.60	35.10	Pet food
18.45	18.02	18.38	35.13	31.67	43.17	59.84	Purchase of pets
11.19	9.01	6.99	11.08	15.17	19.71	48.17	Purchase of pet related goods
7.89	8.59	8.77	7.22	16.46	11.30	24.32	Veterinarian and other services
2.36	2.41	2.19	2.52	4.95	7.76	12.62	Household cleaning supplies
2.79	2.26	2.11	2.12	5.96	5.34	12.80	Paper, plastic and foil household supplies
4.26	3.17	3.67	3.08	10.68	6.05	12.39	Stationery (excluding school supplies)
2.75	2.51	2.24	2.42	5.59	6.39	13.58	Other paper and plastic supplies
5.15	11.89	5.04	4.76	12.33	8.14	23.39	Garden supplies and services
4.69	5.65	5.00	4.70	12.03	11.63	14.54	Nursery & greenhouse stock, cut flowers, decorative plants
6.55	5.38	11.25	12.89	17.80	21.41	68.91	Fertilizers, soil and soil conditioners
6.26	5.63	7.28	22.21	15.58	20.20	31.37	Pesticides
16.97	41.52	12.72	9.57	26.45	12.00	91.67	Horticultural services, snow and garbage removal
4.39	3.13	3.15	3.13	5.72	10.59	19.43	Other household supplies
3.76	3.67	3.78	6.19	7.61	10.16	10.59	Household furnishings and equipment
5.89	5.52	5.08	8.98	13.14	12.63	15.68	Household furnishings
6.59	7.42	6.37	7.93	16.50	18.78	18.87	Furniture
39.45	16.20	11.39	24.03	28.80	33.65	35.77	Rugs, mats and underpadding
9.59	6.48	7.01	5.69	17.63	9.88	21.27	Window coverings and household textiles
15.66	12.40	10.16	22.74	18.28	16.78	20.29	Art, antiques and decorative ware
25.73	13.91	11.90	31.13	24.00	19.10	21.02	Works of art, carvings and vases
49.73	48.05	48.58	47.61	90.82	40.58	0.00	Antiques
13.92	10.58	9.11	7.71	12.76	44.78	21.51	Glass mirrors, and mirror and picture frames
4.42	4.10	4.07	4.56	9.36	12.82	9.06	Household equipment
6.15	4.76	4.59	5.31	13.20	19.10	17.78	Household appliances
43.48	18.76	14.98	23.18	28.79	20.01	49.07	Room air conditioners, portable humidifiers & dehumidifiers
11.02	11.93	11.00	11.87	24.08	35.66	74.77	Refrigerators and freezers
14.68	14.92	17.64	16.82	33.40	74.58	52.31	Cooking stoves and ranges
16.42	13.50	17.90	13.31	27.72	20.52	18.46	Microwave and convection ovens

**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998 - continued**

	Canada	Nfld	PEI	NS	NB	Qc	Ont
Gas barbecues	5.92	12.12	13.39	11.71	12.15	13.59	11.26
Small electric food preparation appliances	2.60	7.17	8.62	6.86	7.27	5.45	5.05
Washers and dryers	4.52	9.86	15.87	10.95	10.62	9.48	8.82
Vacuum cleaners and other rug cleaning equipment	4.87	10.15	15.45	12.55	15.06	14.57	9.44
Portable dishwashers	11.46	32.68	46.16	35.77	32.06	23.06	23.63
Sewing machines	12.42	26.16	32.28	28.24	41.15	20.34	25.43
Other electric equipment and appliances	3.60	7.96	10.60	10.38	9.87	7.06	7.37
Attachments and parts for major appliances	3.34	5.93	8.86	7.03	9.45	7.97	6.82
Home and workshop tools and equipment	3.65	7.85	13.75	8.97	10.05	7.88	7.53
Power tools and equipment	4.64	8.98	17.65	11.40	13.17	11.18	9.65
Other tools	4.59	12.21	9.99	10.46	8.30	8.07	7.78
Lawn, garden and snow-removal tools and equipment	4.76	12.33	14.36	11.64	9.48	8.87	9.80
Power lawn mowers and garden equipment	7.89	15.33	18.74	16.03	13.83	15.33	16.07
Snow-blowers	10.84	29.98	43.63	40.53	16.82	19.20	23.50
Other lawn, garden/ and snow removal tools and equipment	3.12	7.05	10.05	7.43	9.53	6.60	5.81
Lamps and lampshades	5.98	11.97	16.91	10.63	12.08	11.82	9.28
Non-electric kitchen and cooking equipment	3.05	7.58	7.50	9.23	9.47	5.06	6.37
Tableware, flatware and knives	26.47	10.19	14.69	10.56	14.11	12.82	45.06
Non-electric cleaning equipment	2.00	4.59	6.52	5.87	5.41	4.08	3.98
Luggage	4.30	12.57	15.11	11.55	13.98	9.41	8.29
Home security equipment	7.19	11.61	24.24	20.26	18.72	13.50	12.72
Other household equipment, parts and accessories	2.60	6.74	7.25	5.97	7.47	5.42	4.90
Maintenance and repairs of furniture and equipment	4.48	12.09	11.19	6.78	10.51	10.83	9.07
Furniture, carpeting and household textiles	7.32	19.10	15.39	10.50	18.06	18.39	14.76
Major household appliances	4.13	13.58	14.66	11.53	10.47	8.69	8.16
Other maintenance and repairs of furniture and equipment	6.68	30.15	29.11	15.28	27.15	16.52	12.94
Services related to furnishings and equipment	4.53	18.85	19.92	12.59	14.54	12.21	6.03
Rental of heating equipment	5.46	31.93	22.59	14.13	19.70	25.81	6.43
Other services related to furnishings and equipment	6.57	21.41	19.86	19.20	20.45	13.07	10.73
Clothing	1.10	2.62	3.17	2.86	2.62	2.05	2.10
Women's and Girls' wear (4 years and over)	1.45	3.45	3.83	3.64	3.57	2.53	2.91
Clothing	1.51	3.62	4.53	4.03	4.01	2.68	3.04
Footwear	1.43	3.93	4.28	3.95	3.29	2.70	2.85
Accessories	2.33	7.27	6.90	5.85	6.22	3.97	4.70
Jewellery and watches	6.69	9.01	10.49	11.50	11.93	9.96	13.17
Clothing gifts to non-household members	2.38	5.28	7.84	7.23	5.29	5.79	4.36
Men's and Boys' wear (4 years and over)	1.29	3.02	4.46	3.44	2.72	2.61	2.41
Clothing	1.44	3.58	4.30	4.02	3.25	2.86	2.71
Footwear	1.40	3.40	4.54	3.94	3.08	2.58	2.87
Accessories	2.31	6.15	9.45	6.60	5.32	4.63	4.47
Jewellery and watches	6.91	12.47	27.47	17.71	12.41	14.16	14.79
Clothing gifts to non-household members	2.87	5.01	8.80	5.37	6.29	6.11	5.47
Children's wear (under 4 years)	2.76	6.64	10.09	8.37	6.44	6.34	4.87
Clothing and cloth diapers	4.49	12.72	20.19	14.17	14.00	10.31	7.63
Footwear	4.54	13.80	16.87	15.75	20.86	9.59	7.76
Clothing gifts to non-household members	3.11	6.83	10.65	9.07	6.43	6.16	5.70
Clothing material, notions and services	1.87	5.79	6.52	6.30	6.82	3.28	3.70
Clothing material (excluding household textiles)	4.72	11.27	16.21	14.66	13.25	7.47	10.93
Notions	3.91	13.21	16.89	20.73	18.69	7.84	8.63
Services	2.02	7.60	7.63	6.02	8.26	3.62	3.82
Dressmaking, tailoring, clothing storage & other clothing services	6.27	17.71	22.29	19.20	20.71	12.55	12.53
Laundry and dry-cleaning service	2.75	9.55	8.09	8.53	10.65	4.48	5.33
Laundromats and self-service dry cleaning	4.13	16.44	18.55	10.97	14.37	9.30	7.06
Maintenance, repair and alteration	3.03	8.49	8.81	9.74	9.53	5.42	6.49

**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998 - continued**

Man	Sask	Alta	BC	Yuk	NWT	Nunavut	
17.98	16.41	13.46	13.64	21.01	31.13	89.53	Gas barbecues
6.86	5.76	5.47	6.81	11.95	8.67	9.66	Small electric food preparation appliances
11.9	10.54	8.79	11.45	30.80	31.94	39.97	Washers and dryers
13.6	13.78	10.27	11.43	21.85	15.87	53.37	Vacuum cleaners and other rug cleaning equipment
35.74	33.61	24.33	30.63	63.48	69.26	49.99	Portable dishwashers
49.07	41.49	32.82	37.91	45.55	53.86	44.39	Sewing machines
11.99	7.85	6.51	7.76	14.17	27.96	56.44	Other electric equipment and appliances
6.76	7.04	6.43	6.91	18.13	10.45	66.11	Attachments and parts for major appliances
7.88	12.81	10.40	8.44	26.33	14.20	24.62	Home and workshop tools and equipment
11.22	18.74	10.30	9.61	16.69	20.51	36.06	Power tools and equipment
7.56	11.05	18.43	11.58	41.22	14.69	4.85	Other tools
11.23	10.65	12.75	11.33	26.50	24.06	28.72	Lawn, garden and snow-removal tools and equipment
16.31	15.98	19.83	18.67	24.74	51.42	102.81	Power lawn mowers and garden equipment
18.76	20.58	33.18	37.09	80.82	101.43	0.00	Snow-blowers
7.69	8.39	8.27	8.17	37.14	14.45	27.56	Other lawn, garden/ and snow removal tools and equipment
16.1	12.47	9.57	20.82	18.14	23.14	22.82	Lamps and lampshades
7.59	6.20	5.69	6.33	12.08	8.69	20.72	Non-electric kitchen and cooking equipment
12.3	16.57	15.95	33.78	23.78	26.57	19.91	Tableware, flatware and knives
4.89	4.66	3.71	4.90	6.58	9.72	15.77	Non-electric cleaning equipment
8	9.95	8.51	8.04	15.68	23.46	24.88	Luggage
11.8	11.35	15.59	17.92	20.02	15.02	26.69	Home security equipment
7.32	6.63	8.12	6.21	14.72	7.52	39.99	Other household equipment, parts and accessories
7.46	7.87	7.80	5.44	21.01	21.52	46.28	Maintenance and repairs of furniture and equipment
11.83	9.74	10.71	7.08	13.72	30.80	65.13	Furniture, carpeting and household textiles
10.19	10.03	8.93	8.40	25.11	30.31	71.75	Major household appliances
15.45	22.23	17.58	14.20	61.20	24.80	57.64	Other maintenance and repairs of furniture and equipment
9.92	10.09	11.63	20.64	33.80	22.24	70.50	Services related to furnishings and equipment
39.87	13.91	37.27	56.18	71.87	16.57	0.00	Rental of heating equipment
10.09	13.46	12.27	21.72	38.77	30.72	70.50	Other services related to furnishings and equipment
2.54	2.46	3.53	2.53	7.74	6.29	4.53	Clothing
3.47	2.92	4.06	3.17	8.45	10.79	5.17	Women's and Girls' wear (4 years and over)
4.1	3.15	3.88	3.43	8.78	11.07	5.35	Clothing
3.68	3.36	3.24	3.17	8.74	6.57	6.18	Footwear
5.57	6.04	5.65	4.45	11.21	8.86	7.08	Accessories
10.8	10.28	12.35	10.53	21.78	21.36	30.13	Jewellery and watches
4.99	6.13	6.37	5.57	16.59	16.84	22.87	Clothing gifts to non-household members
3.37	3.25	4.24	3.00	10.07	5.97	7.50	Men's and Boys' wear (4 years and over)
3.76	3.94	4.46	3.25	10.59	5.35	5.07	Clothing
3.65	3.40	3.16	3.07	10.10	6.63	10.09	Footwear
5.15	5.30	5.25	5.05	13.75	21.62	17.35	Accessories
15.24	9.83	19.11	13.14	38.98	8.74	23.21	Jewellery and watches
5.75	5.63	6.02	6.51	10.27	19.69	27.77	Clothing gifts to non-household members
7.36	6.04	6.03	5.95	14.71	13.68	17.77	Children's wear (under 4 years)
12	11.38	10.50	9.97	34.30	28.96	16.87	Clothing and cloth diapers
12.13	10.69	9.94	10.11	26.47	42.05	29.83	Footwear
8.69	6.63	5.26	7.12	20.26	14.76	37.07	Clothing gifts to non-household members
4.26	4.39	3.60	3.72	15.21	13.29	18.08	Clothing material, notions and services
14.58	9.34	8.27	10.25	35.60	29.57	15.93	Clothing material (excluding household textiles)
10.45	10.34	7.35	8.01	21.15	6.86	11.55	Notions
4.64	5.17	4.26	4.09	15.30	15.53	35.14	Services
							Dressmaking, tailoring, clothing storage and other clothing
12.87	13.96	14.11	13.00	43.30	28.42	56.58	Services
6.01	6.45	5.52	6.00	12.54	19.39	34.15	Laundry and dry-cleaning service
11.23	10.79	9.17	7.18	24.91	33.22	62.92	Laundromats and self-service dry cleaning
6.78	8.79	6.73	7.44	17.86	20.51	70.30	Maintenance, repair and alteration

**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998 - continued**

	Canada	Nfld	PEI	NS	NB	Qc	Ont
Transportation	1.38	4.14	4.42	3.64	3.34	2.94	2.54
Private transportation	1.51	4.29	4.63	3.88	3.44	3.16	2.78
Purchase of automobiles and trucks	3.65	10.43	11.38	8.40	8.96	8.24	6.58
Automobiles	4.53	12.16	12.21	9.92	10.06	8.51	7.85
Trucks (including vans)	5.59	14.72	17.65	15.82	13.88	14.54	11.73
Separate sale of automobiles and trucks	-8.54	-29.29	-25.71	-21.19	-32.77	-15.83	-21.11
Purchase of automotive accessories	6.56	16.36	18.36	22.52	20.12	20.36	14.01
Rented and leased automobiles and trucks	4.26	11.13	18.28	11.78	10.13	6.82	8.24
Rented automobiles and trucks	4.74	15.69	16.36	15.39	20.56	14.06	8.02
Automobiles	5.47	16.21	17.45	17.96	22.93	15.81	9.29
Rental fees (including insurance and mileage)	5.61	16.38	17.99	18.15	24.59	16.07	9.72
Gas and other fuels	6.57	18.00	25.59	22.05	22.16	18.04	10.76
Other expenses for rented automobiles	18.80	42.94	45.39	57.36	37.61	34.45	20.81
Trucks (including vans)	9.08	39.93	38.66	27.59	40.89	23.10	16.08
Rental fees (including insurance and mileage)	9.26	41.00	38.85	27.40	38.81	23.41	16.95
Gas and other fuels	10.59	47.98	41.29	30.16	55.60	24.59	16.82
Other expenses for rented trucks	20.74	99.98	68.34	56.58	71.33	99.04	33.85
Leasing fees for automobiles and trucks	4.74	12.11	19.57	12.74	10.64	7.19	9.25
Operation of owned and leased automobiles and trucks	0.81	2.53	2.64	2.06	2.18	1.60	1.66
Gasoline and other fuels	0.98	2.72	3.37	2.29	2.37	1.90	2.04
Tires, batteries, and other automotive parts and supplies	1.91	4.87	6.96	4.25	5.69	3.54	4.10
Maintenance and repair	2.04	6.69	6.64	5.21	5.69	3.27	4.26
Garage rent and parking	4.14	15.59	23.43	13.13	12.18	8.22	7.56
At dwelling (not included in rent)	11.89	100.05	83.52	43.79	0.00	21.06	20.80
Parking away from home	4.40	15.98	23.66	13.32	12.18	9.03	8.05
Driving lessons	7.81	21.84	29.44	20.10	16.32	16.90	13.15
Drivers' licences and tests	1.93	5.26	4.90	8.17	5.57	2.36	5.43
Private and public vehicle insurance premiums	1.14	2.82	3.29	2.17	2.20	2.00	1.95
Registration fees and licences (including insurance if part of registration)	1.89	2.16	2.40	4.15	4.19	1.43	2.65
Other automobile and truck operation services	3.18	17.36	8.47	6.94	11.72	6.10	6.08
Public transportation	2.24	7.18	8.18	7.06	7.43	5.08	4.24
City or commuter bus, subway, street car & commuter train	3.43	12.12	56.59	11.07	13.47	4.84	5.85
Taxi	4.84	13.93	22.66	10.86	12.92	12.58	8.87
Airplane	3.32	9.46	9.42	11.06	11.34	11.03	6.37
Train	11.36	43.51	28.70	29.98	16.90	19.02	17.87
Highway bus	7.14	13.83	31.97	14.48	17.86	13.92	15.54
Other passenger transportation	5.02	11.99	14.68	15.39	12.09	12.73	12.70
Household moving, storage and delivery services	9.04	34.97	41.00	33.74	29.46	11.47	20.11
Health care	1.30	3.71	3.91	3.45	2.62	2.16	3.15
Direct costs to household	1.60	3.88	4.70	4.51	3.44	2.38	3.62
Health care supplies	6.02	15.76	16.62	18.17	11.80	17.12	10.76
Medicinal and pharmaceutical products	2.49	5.52	6.87	4.77	4.29	2.90	6.27
Prescribed	3.69	7.05	8.72	6.72	5.93	3.64	10.34
Other medicines and pharmaceutical products	2.57	4.06	6.08	4.87	3.66	4.83	5.31
Physicians' care	14.97	38.20	43.65	34.45	26.37	19.22	27.60
Other health care practitioners	4.82	21.40	17.35	19.08	17.78	9.25	9.64
Eye-care goods and services	2.08	5.68	6.59	8.20	7.51	4.00	4.20
Prescription eye wear	1.95	6.25	7.72	5.96	6.67	3.76	4.12
Other eye care goods	3.38	10.02	13.34	11.49	13.21	8.31	7.13
Eye care services (eg. surgery, exams)	10.69	6.15	6.36	34.94	21.36	16.79	43.34
Dental services	2.89	7.35	8.45	6.79	7.11	4.90	5.97
Hospital care	22.22	32.29	75.44	74.66	38.72	42.17	36.62
Other medical services	11.65	20.51	36.87	59.90	36.60	17.05	22.09
Health insurance premiums	1.92	7.17	7.76	4.53	4.71	3.77	6.21
Public hospital, medical and drug plans	2.12	28.37	27.18	8.84	19.21	5.02	17.36

**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998 - continued**

Man	Sask	Alta	BC	Yuk	NWT	Nunavut	
3.66	3.21	3.22	3.97	9.09	5.00	30.59	Transportation
4.03	3.37	3.41	4.54	9.99	7.14	41.73	Private transportation
9.45	7.13	7.37	11.60	22.95	11.09		Purchase of automobiles and trucks
10.05	10.29	8.50	18.28	25.50	17.79	66.91	Automobiles
12.47	10.06	9.99	13.04	26.83	11.80	69.36	Trucks (including vans)
-16.59	-17.89	-14.83	-19.67	-42.50	-21.63	-46.20	Separate sale of automobiles and trucks
18.58	14.37	11.81	13.40	14.44	15.31	28.43	Purchase of automotive accessories
11.1	10.62	9.29	12.01	22.39	21.93	50.49	Rented and leased automobiles and trucks
12.83	15.83	9.41	10.09	17.93	22.85	23.14	Rented automobiles and trucks
14.18	19.57	8.79	11.75	23.51	23.75	25.67	Automobiles
14.1	20.45	8.91	11.91	23.42	23.20	25.42	Rental fees (including insurance and mileage)
18.93	16.98	10.79	12.91	25.82	27.20	31.29	Gas and other fuels
40.3	72.17	28.48	52.65	69.37	51.49	44.88	Other expenses for rented automobiles
31.42	27.90	20.61	18.79	44.30	60.60	42.51	Trucks (including vans)
32.74	27.05	21.19	18.81	48.89	62.10	42.53	Rental fees (including insurance and mileage)
37.39	33.54	23.22	22.66	36.40	60.88	46.87	Gas and other fuels
0	71.10	52.02	42.13	58.17	92.76	101.94	Other expenses for rented trucks
12.2	11.97	10.79	14.66	37.21	26.33	78.36	Leasing fees for automobiles and trucks
2.21	1.97	1.79	1.65	5.38	8.57	42.45	Operation of owned and leased automobiles and trucks
2.68	2.48	2.17	2.20	6.55	11.70	58.21	Gasoline and other fuels
6.22	5.23	4.95	4.44	13.37	12.14	44.21	Tires, batteries, and other automotive parts and supplies
5.76	5.17	3.85	4.16	13.80	8.74	32.59	Maintenance and repair
7.66	7.60	9.21	7.67	28.84	30.43	56.91	Garage rent and parking
18.18	44.17	30.42	22.17	100.12	70.28	0.00	At dwelling (not included in rent)
8.56	7.53	9.62	8.11	29.31	16.09	56.91	Parking away from home
34.28	62.32	16.72	19.92	43.68	41.40	95.64	Driving lessons
3.65	4.82	6.13	13.07	13.59	11.79	24.51	Drivers' licences and tests
3.2	5.34	2.10	3.61	4.50	8.09	40.36	Private and public vehicle insurance premiums
							Registration fees and licences (including insurance if part of registration)
6.92	2.33	2.54	5.77	5.45	3.90	33.28	Other automobile and truck operation services
7.39	14.87	8.53	5.28	28.26	85.20	34.19	Public transportation
4.71	5.93	4.50	4.25	9.99	14.05	22.02	City or commuter bus, subway, street car & commuter train
6.55	9.62	5.97	6.76	21.57	45.16	83.29	Taxi
17.25	9.25	9.71	9.98	13.79	15.34	54.83	Airplane
6.89	9.11	6.01	6.04	12.59	16.18	18.85	Train
28.69	36.91	28.44	22.70	44.18	50.91	107.73	Highway bus
12.34	10.78	18.62	10.10	29.55	35.64	62.14	Other passenger transportation
12.89	18.86	11.27	6.30	23.11	26.00	86.84	Household moving, storage and delivery services
25.2	18.24	16.60	16.55	23.40	48.10	45.20	
3.33	2.97	2.22	3.03	6.98	5.73	19.30	Health care
4.03	3.13	3.01	3.81	8.32	7.38	19.10	Direct costs to household
16.04	12.99	12.80	14.50	9.89	27.99	17.33	Health care supplies
3.78	3.77	3.46	4.66	11.17	6.69	16.73	Medicinal and pharmaceutical products
4.81	4.73	4.95	6.00	18.43	13.10	37.74	Prescribed
4.95	4.56	3.94	5.60	14.55	11.32	24.96	Other medicines and pharmaceutical products
47.79	43.76	31.41	27.57	38.29	59.91	89.53	Physicians' care
8.76	12.57	8.99	10.03	18.19	21.76	83.65	Other health care practitioners
4.82	5.02	4.57	6.47	8.80	18.50	13.38	Eye-care goods and services
5.31	4.88	4.30	4.89	8.35	10.65	16.73	Prescription eye wear
7.06	6.88	5.74	6.72	14.24	11.48	22.62	Other eye care goods
15.34	17.48	19.07	35.24	11.72	44.77	61.39	Eye care services (eg. surgery, exams)
10.07	7.04	5.95	6.94	19.43	24.21	57.80	Dental services
57.65	33.87	50.45	31.29	62.50	72.90	103.93	Hospital care
36.76	33.86	13.61	29.10	43.71	33.29	115.12	Other medical services
4.74	6.37	2.65	3.37	16.33	13.54	34.03	Health insurance premiums
24.79	28.37	2.55	3.05	36.18	37.09	45.91	Public hospital, medical and drug plans

**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998 - continued**

	Canada	Nfld	PEI	NS	NB	Qc	Ont
Private health insurance plans	2.70	7.43	8.01	5.18	5.10	5.14	6.58
Private health care plans (eg., supplementary coverage, extended benefit packages, drug plans, etc.)	3.42	9.28	7.93	5.81	6.00	5.37	9.31
Dental plans	5.83	12.98	23.91	18.96	18.17	17.87	12.33
Accident and disability insurance	4.72	11.35	16.82	9.05	9.91	11.31	9.97
Personal care	1	2.41	2.96	2.83	2.09	2.04	1.92
Personal care supplies and equipment	1.13	2.75	3.79	3.28	3.06	2.16	2.22
Personal care preparations	1.30	2.82	4.12	3.43	3.41	2.31	2.69
Disposable diapers	4.25	12.31	16.27	11.51	11.14	9.07	7.60
Electric hair-styling and personal care appliances	3.32	7.59	11.11	9.70	12.98	7.10	6.79
Other personal care supplies and equipment	1.92	5.04	6.40	6.89	6.92	4.10	3.71
Personal care services	1.26	3.29	3.46	3.36	2.78	2.61	2.40
Hair grooming	1.21	3.23	3.43	3.35	2.76	2.56	2.30
Other personal services	4.06	14.59	14.69	13.30	10.79	6.32	8.78
Recreation	1.56	3.68	6.09	3.57	3.84	3.99	2.73
Recreation equipment and associated services	1.73	4.40	5.61	4.74	3.80	3.97	3.44
Sports and athletic equipment	3.04	8.52	8.39	8.70	8.34	7.15	6.17
Playground equipment, above-ground pools and accessories	13.06	28.04	24.08	20.37	31.39	21.13	24.48
Toys and children's vehicles	2.61	6.38	6.15	5.51	4.67	4.93	5.15
Electronic games and parts	3.06	8.84	11.12	7.35	7.86	6.94	6.15
Video game rental	4.39	11.48	15.60	13.79	12.84	9.29	10.02
Artists' materials, handicraft and hobbycraft kits and materials	4.07	12.61	12.34	9.07	11.54	8.82	8.23
Computer equipment and supplies	3.49	9.68	12.83	10.71	9.98	7.27	6.67
Computer hardware	3.97	10.94	14.07	12.01	11.47	8.04	7.54
New	4.26	11.72	16.02	12.68	12.69	8.85	8.11
Used	8.62	29.32	36.21	22.79	22.57	16.85	15.48
Computer software	4.35	13.37	18.90	13.79	14.54	11.58	7.88
Computer supplies and other equipment	3.76	11.53	13.59	11.80	10.68	7.07	7.58
Photographic goods and services	2.06	5.09	5.69	4.88	5.08	4.04	4.15
Cameras and accessories	5.71	14.52	13.99	14.40	12.99	11.45	11.28
Films and processing	1.61	5.09	5.76	4.58	6.10	3.55	3.17
Photographers' and other photographic services	4.85	8.20	9.64	6.98	9.35	8.25	8.98
Musical instruments, parts and accessories	11.21	22.31	24.38	18.85	20.51	24.34	23.17
Collectors' items (eg. stamps, coins)	10.37	25.07	25.87	19.12	26.68	29.37	18.86
Camping, picnic equipment and accessories (excluding BBQ's)	4.31	9.97	16.61	11.60	12.01	13.81	7.40
Supplies and parts for recreational equipment	4.25	9.73	25.67	12.75	12.41	6.16	9.10
Rental, maintenance and repairs of equipment	11.88	31.29	27.40	24.28	27.74	15.99	26.26
Recreation vehicles and associated services	6.84	12.13	33.49	17.10	12.35	18.63	12.75
Purchase of recreation vehicles	9.83	17.63	44.44	26.87	16.68	26.37	18.42
Bicycles, parts and accessories	4.89	10.24	28.17	15.80	13.38	10.04	8.64
Other recreational vehicles and outboard motors	11.16	18.99	52.78	33.13	18.15	30.04	20.94
Travel trailers	19.82	73.03	72.18	44.29	38.61	43.27	45.30
Tent trailers	41.54		116.28	-180.33	125.92	56.76	83.93
Motorcycles	27.10	63.75	54.31	41.94	51.51	39.02	53.54
Snowmobiles	14.20	21.70	57.32	111.38	25.47	36.55	33.35
Motor homes	46.22		-102.58	-115.42	0.00	98.96	98.46
Truck campers	-166.77	70.46	0.00	99.73	101.26	-102.45	0.00
Boats	31.94	44.16	86.53	-157.07	-95.30	43.19	55.98
Outboard motors and personal watercraft	26.43	35.99	96.95	60.60	-100.56	40.11	60.81
Other recreation vehicle purchases	27.06	30.37	47.39	27.37	23.09	58.02	34.14
Operation of recreational vehicles	4.78	10.05	34.53	14.13	11.70	8.43	10.88
Bicycle maintenance and repairs	7.07	21.01	23.79	21.40	17.89	15.28	12.65
Expenses for rented and leased recreational vehicles	12.68	42.57	31.24	51.81	52.47	21.54	27.47
Gasoline and other fuels	7.88	10.52	29.08	13.72	12.40	10.99	22.51
Supplies and parts	8.52	13.93	59.64	18.96	19.22	12.52	19.49
Maintenance and repair jobs	11.44	22.80	28.59	38.95	23.77	20.32	25.62
Insurance premiums	4.84	17.33	34.81	18.25	12.51	10.63	9.57

**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998 - continued**

Man	Sask	Alta	BC	Yuk	NWT	Nunavut	
4.68	6.37	4.81	6.54	18.14	16.97	40.39	Private health insurance plans
5.32	8.23	6.39	8.61	27.07	17.32	56.86	Private health care plans (eg., supplementary coverage, extended benefit packages, drug plans, etc.)
12.62	17.57	8.88	12.76	31.74	36.34	50.94	Dental plans
10.61	10.58	7.99	11.75	20.49	21.41	44.24	Accident and disability insurance
2.69	2.28	2.08	2.44	5.59	6.42	12.30	Personal care
3.51	2.65	2.47	2.78	5.20	10.42	15.38	Personal care supplies and equipment
3.42	3.00	2.90	2.96	6.37	6.38	14.22	Personal care preparations
14.9	9.17	8.72	10.79	30.35	36.03	25.60	Disposable diapers
8.62	7.24	6.67	7.63	9.84	15.58	37.67	Electric hair-styling and personal care appliances
7.01	3.48	4.66	4.40	16.10	7.37	41.46	Other personal care supplies and equipment
2.75	2.85	2.63	2.92	8.77	4.77	25.86	Personal care services
2.64	2.75	2.49	2.64	7.70	5.61	27.04	Hair grooming
12.29	12.05	8.86	10.24	23.02	26.03	75.84	Other personal services
3.61	3.45	3.58	3.90	8.89	9.08	9.12	Recreation
4.1	4.08	3.08	3.27	7.56	3.99	15.45	Recreation equipment and associated services
8.46	6.35	5.63	6.09	15.84	11.29	13.03	Sports and athletic equipment
30.03	23.80	29.24	24.85	57.51	35.50	0.00	Playground equipment, above-ground pools and accessories
5.7	6.56	4.94	5.58	12.22	13.85	20.99	Toys and children's vehicles
9.07	7.24	6.20	6.81	18.95	17.57	16.60	Electronic games and parts
12.68	11.11	9.34	8.85	19.18	25.43	103.95	Video game rental
10.52	12.12	12.14	8.63	16.21	13.59	52.66	Artists' materials, handicraft and hobbycraft kits and materials
8.68	8.91	6.22	6.89	11.48	13.92	41.59	Computer equipment and supplies
10.16	9.84	7.32	8.08	13.23	18.82	42.08	Computer hardware
11.18	10.18	7.73	8.45	17.49	18.45	47.12	New
19.39	21.39	18.38	17.38	27.23	29.29	38.57	Used
12.08	12.15	8.20	7.99	16.27	19.25	54.91	Computer software
9.25	9.48	8.64	6.81	12.92	22.33	56.09	Computer supplies and other equipment
4.64	4.55	4.19	4.41	10.89	6.46	25.50	Photographic goods and services
10.43	10.86	11.72	10.28	26.33	15.35	38.48	Cameras and accessories
3.94	3.75	3.62	3.45	10.39	6.79	16.78	Films and processing
10.47	10.52	8.07	14.59	29.62	26.64	56.14	Photographers' and other photographic services
22.85	18.03	17.84	22.39	53.04	33.41	26.23	Musical instruments, parts and accessories
39.89	17.17	19.83	19.19	51.84	56.22	96.17	Collectors' items (eg. stamps, coins)
12.56	9.83	8.59	7.74	12.65	20.04	25.17	Camping, picnic equipment and accessories (excluding BBQ's)
9.64	11.80	8.77	9.78	19.70	16.01	22.78	Supplies and parts for recreational equipment
19.59	24.10	14.93	15.94	26.24	39.78	108.81	Rental, maintenance and repairs of equipment
13.39	16.07	13.83	14.38	25.62	25.85	17.90	Recreation vehicles and associated services
18.27	22.90	18.10	24.41	36.10	36.61	24.26	Purchase of recreation vehicles
14.14	12.09	15.86	13.09	26.61	19.36	28.90	Bicycles, parts and accessories
20.47	25.29	20.07	28.86	37.92	39.48	24.53	Other recreational vehicles and outboard motors
39.26		29.99	47.97	77.56	81.30	0.00	Travel trailers
60.03	155.60	65.91	86.13	0.00	-114.17	0.00	Tent trailers
	43.09	42.15	71.38	74.89		78.97	Motorcycles
31.88	28.27	34.49	59.58	41.57	15.99	23.09	Snowmobiles
	92.65	65.00	115.42	81.03	0.00	0.00	Motor homes
100.04	49.26	-180.54	52.79	97.55	0.00	0.00	Truck campers
54.87	47.89	54.81	130.58	34.93	144.96	50.66	Boats
82.55	81.69	59.31	66.15	45.62	88.84	47.61	Outboard motors and personal watercraft
23.58	36.84	31.96	58.00	100.18	116.75	47.20	Other recreation vehicle purchases
10.11	8.70	11.42	9.92	8.63	17.63	13.12	Operation of recreational vehicles
24.57	14.44	11.37	15.08	31.83	11.30	86.51	Bicycle maintenance and repairs
26.36	23.38	22.51	26.70	31.96	55.64	0.00	Expenses for rented and leased recreational vehicles
13.67	10.90	12.84	14.28	15.34	21.80	12.13	Gasoline and other fuels
18.17	16.97	25.99	13.82	18.08	18.62	22.30	Supplies and parts
28.18	19.71	18.67	23.60	25.59	36.29	24.74	Maintenance and repair jobs
13.03	14.85	8.84	10.55	17.96	13.01	30.72	Insurance premiums

**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998 - continued**

	Canada	Nfld	PEI	NS	NB	Qc	Ont
Registration fees and licences	6.10	13.33	21.64	11.89	9.15	10.83	15.90
Other expenses for operation of recreational vehicles	12.84	35.00	37.93	28.78	25.49	22.01	20.95
Home entertainment equipment and services	2.34	4.00	4.90	4.68	3.97	3.38	3.58
Equipment	2.90	4.93	5.52	5.62	4.61	4.06	4.21
Audio (eg. radio, CD players, speakers)	7.52	10.04	12.62	13.78	10.96	10.52	9.08
Compact discs, tapes, videos and video discs	1.97	5.96	8.17	5.04	5.47	4.08	3.94
Blank audio and video tapes	2.79	9.78	8.81	6.40	7.69	5.11	4.83
Televisions, VCRs, camcorders and other television/video component	3.96	7.62	11.00	7.74	8.12	6.99	7.17
Other home entertainment equipment	8.23	20.89	18.23	20.83	18.28	12.45	17.33
Services	1.80	4.87	7.06	5.45	5.23	3.49	3.93
Rental of videotapes and video discs	1.89	5.19	6.93	5.38	5.34	3.71	4.19
Rental of home entertainment equipment and other services	13.80	51.17	33.64	40.03	36.24	23.67	37.01
Maintenance and repair of home entertainment equipment	4.67	11.94	15.82	14.49	13.43	8.43	9.37
Recreation services	2.00	4.70	5.24	4.25	3.77	3.03	4.02
Entertainment	1.05	2.41	3.27	2.63	2.52	1.87	2.22
Movie theatres	2.15	6.63	6.48	6.16	6.36	3.84	4.40
Live sports events	5.05	13.58	13.86	11.77	10.40	11.14	10.33
Live performing arts	3.59	8.29	8.01	10.06	8.43	4.64	7.72
Admission to museums and other activities	3.16	12.95	12.97	7.34	13.09	6.35	6.12
Rental of cablevision and satellite services	1.03	2.12	3.51	2.44	2.43	2.07	2.17
Use of recreation facilities	3.22	8.11	8.85	8.90	7.34	6.12	6.18
Membership fees for sports and recreation facilities	4.27	9.91	8.21	10.56	8.74	7.17	8.26
Single use fees for sports and recreation facilities	4.69	19.06	13.63	17.35	13.04	11.83	8.68
Video, pinball and carnival games	4.78	13.04	30.55	14.00	12.97	14.46	9.63
Children's camps	8.53	22.61	36.77	20.17	19.46	19.72	14.34
Package travel tours	5.68	25.83	24.10	17.92	19.19	8.64	10.07
Other recreational services	6.97	8.93	17.40	19.08	9.08	16.99	15.18
<b>Reading materials and other printed matter</b>	1.38	4.37	4.21	3.60	3.50	2.92	2.69
Newspapers	1.58	3.78	4.08	3.25	4.08	2.87	3.20
Magazines and periodicals	1.91	6.73	8.51	6.64	5.43	4.21	3.75
Books and pamphlets (excluding school books)	2.62	7.73	8.85	6.07	6.32	6.06	5.02
Maps, sheet music and other printed matter	4.54	12.14	17.98	11.13	17.44	15.99	7.87
Services related to reading materials (eg. duplicating, library fees)	6.62	25.09	23.91	20.34	16.50	8.59	13.36
<b>Education</b>	3.28	8.49	13.74	11.63	10.31	6.07	6.58
Supplies	4.18	6.06	9.55	16.51	11.56	8.76	8.36
Kindergarten, nursery, elementary and secondary	3.04	5.44	7.44	10.83	5.76	5.37	7.36
Post-secondary	7.70	12.69	23.44	39.72	25.78	16.59	13.29
Textbooks	3.76	7.53	15.41	14.62	11.87	5.67	8.43
Kindergarten, nursery, elementary and secondary	5.16	7.68	49.56	30.23	21.94	6.32	20.24
Post-secondary	4.24	10.29	16.29	15.44	12.33	7.53	8.71
Tuition fees	3.96	10.28	15.53	14.54	12.68	7.88	7.67
Kindergarten, nursery, elementary and secondary	11.40	41.49	30.26	25.58	34.58	12.81	24.46
Post-secondary	4.18	10.53	16.82	14.97	12.90	9.89	7.83
Other courses and lessons (excluding driving)	6.13	10.78	18.49	16.28	13.10	9.57	12.31
Other educational services	16.24	36.46	75.49	48.12	53.96	50.73	35.03
<b>Tobacco products and alcoholic beverages</b>	1.49	4.24	5.69	5.09	3.62	2.49	3.17
Tobacco products and smokers' supplies	1.85	4.93	7.04	5.19	4.70	3.49	3.99
Cigarettes, cigars and tobacco	1.86	4.97	7.04	5.26	4.70	3.51	4.02
Matches and other smokers' supplies	9.23	16.69	14.64	15.40	12.29	8.47	24.75
Alcoholic beverages	1.97	5.98	7.25	7.33	5.32	3.40	3.99
Served on licensed premises	2.92	10.20	13.84	13.47	10.55	5.85	5.68
Purchased from stores	2.18	5.61	7.24	6.52	4.97	3.50	4.54
Self-made alcoholic beverages	6.58	12.02	21.39	14.67	16.62	17.47	12.06
<b>Games of chance (net)</b>	3.18	5.97	8.60	8.34	8.22	4.87	6.95
Government-run lotteries	3.98	7.02	7.45	6.00	4.97	3.90	9.46
Casinos, slot machines, and video lottery terminals	9.44	24.25	33.68	19.79	27.93	15.59	19.84



**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998 - continued**

Man	Sask	Alta	BC	Yuk	NWT	Nunavut	
14.97	9.33	11.37	14.84	14.11	16.24	22.96	Registration fees and licences
35.99	26.28	22.70	20.29	46.16	63.61	0.00	Other expenses for operation of recreational vehicles
4.44	3.90	3.42	11.23	9.87	6.34	5.38	Home entertainment equipment and services
5.52	4.58	4.22	13.94	9.03	8.42	12.41	Equipment
14.23	10.89	7.92	34.78	18.13	19.70	34.19	Audio (eg. radio, CD players, speakers)
5.57	4.96	4.65	4.43	8.84	10.15	10.82	Compact discs, tapes, videos and video discs
6.6	7.24	5.97	9.19	16.78	20.66	21.97	Blank audio and video tapes
							Televisions, VCRs, camcorders and other television/video component
8.27	8.52	7.58	13.9	16.04	11.36	9.22	Other home entertainment equipment
18.95	12.83	15.09	23.54	38.58	44.35	46.50	Services
5.74	4.66	3.87	3.87	16.88	12.69	31.93	Rental of videotapes and video discs
5.43	4.79	3.87	3.99	17.98	13.82	37.36	Rental of home entertainment equipment and other services
31.45	42.38	39.86	34.23	63.28	67.08	95.55	Maintenance and repair of home entertainment equipment
14.58	12.24	8.72	10.56	23.80	20.12	107.91	Recreation services
4.01	4.05	3.78	4.33	11.77	12.85	21.90	Entertainment
2.33	2.18	2.14	1.94	7.51	3.80	18.84	Movie theatres
4.82	5.74	4.35	4.58	15.16	16.06	62.76	Live sports events
10.89	7.68	9.93	8.63	16.28	22.22	52.81	Live performing arts
8.61	6.89	5.71	5.49	19.96	21.12	30.13	Admission to museums and other activities
6.81	6.35	4.43	6.79	17.88	26.20	41.66	Rental of cablevision and satellite services
2.51	2.40	2.13	1.89	9.94	5.38	17.88	Use of recreation facilities
5.76	5.73	4.77	7.31	18.42	7.51	27.06	Membership fees for sports and recreation facilities
6.89	6.40	6.47	8.94	16.41	7.18	31.26	Single use fees for sports and recreation facilities
10.29	11.26	6.86	9.80	19.26	21.53	59.07	Video, pinball and carnival games
14.57	10.33	11.11	8.58	18.86	24.89	83.29	Children's camps
14.09	13.42	12.62	14.60	53.98	31.70	74.09	Package travel tours
12.62	14.41	13.00	11.79	47.47	46.36	57.15	Other recreational services
7.85	7.45	10.48	16.81	26.72	9.55	42.90	
3.88	3.03	2.90	2.94	12.33	5.47	19.69	Reading materials and other printed matter
2.98	3.46	3.27	3.44	13.78	8.36	36.49	Newspapers
4.47	4.64	3.46	3.99	12.69	9.14	24.06	Magazines and periodicals
5.26	5.84	5.69	5.07	17.32	11.57	19.56	Books and pamphlets (excluding school books)
10.51	8.88	10.51	9.44	14.56	9.62	42.27	Maps, sheet music and other printed matter
							Services related to reading materials (eg. duplicating, library fees)
40.48	10.70	8.74	14.61	27.14	15.01	38.15	
8.18	7.65	5.71	7.07	24.27	9.92	42.16	Education
6.09	8.90	8.91	13.37	10.03	14.55	19.60	Supplies
6.74	5.67	6.09	10.53	9.97	14.52	32.46	Kindergarten, nursery, elementary and secondary
16.26	22.86	17.11	24.28	26.21	27.57	65.45	Post-secondary
12.51	9.94	7.59	8.00	23.77	27.68	39.51	Textbooks
28.04	14.56	12.35	25.15	41.78	29.18	71.76	Kindergarten, nursery, elementary and secondary
13.17	11.06	8.60	8.48	25.62	28.56	44.45	Post-secondary
9.96	9.35	6.95	8.90	35.25	9.98	53.21	Tuition fees
20.98	19.07	13.79	16.20	88.79	33.01	91.30	Kindergarten, nursery, elementary and secondary
11.5	10.06	7.97	9.93	44.41	15.88	42.83	Post-secondary
10.08	10.25	11.31	9.11	23.49	31.44	73.09	Other courses and lessons (excluding driving)
23.92	29.29	31.79	29.39	83.39	44.27	0.00	Other educational services
3.97	4.38	3.98	4.02	7.08	9.46	25.10	Tobacco products and alcoholic beverages
4.69	5.04	5.27	5.38	8.49	10.32	14.43	Tobacco products and smokers' supplies
4.71	5.08	5.29	5.40	8.46	10.43	14.56	Cigarettes, cigars and tobacco
11.5	10.71	12.97	9.90	20.17	11.80	11.12	Matches and other smokers' supplies
5.31	5.62	4.65	5.04	9.06	13.63	54.72	Alcoholic beverages
8.03	8.17	6.90	8.15	13.14	24.00	81.89	Served on licensed premises
4.89	5.55	4.92	4.84	9.87	11.65	25.79	Purchased from stores
26.02	14.38	13.23	9.78	21.85	22.40	77.23	Self-made alcoholic beverages
8.7	11.26	8.63	6.50	17.26	23.45	14.99	Games of chance (net)
5.57	5.47	4.73	7.16	16.92	20.46	35.84	Government-run lotteries
16.22	20.05	15.93	18.31	34.57	48.39	69.26	Casinos, slot machines, and video lottery terminals

**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998 - concluded**

	Canada	Nfld	PEI	NS	NB	Qc	Ont
Bingos	6.94	12.10	20.36	14.23	15.61	14.54	14.72
Non-government lotteries and raffle tickets	5.42	8.58	11.87	23.03	9.51	12.24	11.32
Winnings from games of chance	-9.44	-11.61	-18.73	-12.89	-14.48	-11.46	-19.86
<b>Miscellaneous expenditures</b>	3.21	7.08	7.69	7.36	6.18	8.15	5.95
Expenses on other property owned	24.66	29.81	16.19	29.15	20.88	71.23	20.04
Legal services not related to dwellings	12.69	36.68	23.66	28.94	21.90	17.79	20.77
Financial services	3.04	14.6	11.01	6.92	7.92	7.95	5.7
Service charges from banks	1.36	4.70	5.64	5.92	7.82	2.68	2.73
Stock and bond commissions	9.71	56.95	52.71	41.14	29.96	22.35	18.76
Administration fees	15.07	58.15	51.33	21.30	24.88	41.28	21.91
Other financial services	4.20	12.46	8.35	8.16	14.10	7.16	8.75
Dues to unions and professional associations	2.58	6.44	12.06	9.01	7.73	4.99	5.22
Contributions and dues for social clubs and other organizations	5.04	17.94	16.50	18.49	11.91	12.83	9.09
Forfeit of deposits, fines, and money lost or stolen	6.65	14.50	22.21	29.43	21.35	12.05	13.51
Tools and equipment purchased for work	7.91	23.57	22.47	16.39	21.54	17.22	19.65
Other miscellaneous goods and services	9.83	29.93	32.12	30.33	38.55	22.32	15.94
Goods	18.07	68.46	47.49	50.59	96.44	45.28	27.26
Services	11.24	34.92	34.41	37.22	39.95	23.78	18.70
Personal taxes	1.81	5.04	5.15	4.18	4.02	3.05	3.64
Income tax on reference year income	1.74	4.84	5.20	3.89	3.79	2.94	3.53
Income tax on income received before reference year	7.23	14.86	14.54	18.20	16.30	10.38	11.94
Other personal taxes	30.41	50.70	0.00	75.63	61.41	54.08	61.91
Tax refunds	-2.50	-6.10	-9.04	-5.85	-5.84	-4.58	-4.92
Personal insurance payments and pension contributions	1.52	5.33	4.65	3.55	3.61	3.11	2.98
Life insurance premiums	2.54	8.85	8.68	5.66	5.27	3.75	5.47
Annuity contracts and transfers to RRIFs	30.43	70.01	48.94	38.39	57.12	83.81	52.14
Employment insurance premiums	0.93	3.85	3.88	2.60	2.73	1.96	1.77
Retirement and pension fund payments	1.53	5.78	5.59	4.74	4.84	3.04	3.11
Canada and Quebec pension plan	0.88	3.86	3.43	2.66	2.62	1.86	1.71
Other government pension funds	4.23	12.15	17.69	10.06	9.75	6.78	9.63
Other retirement or pension funds (excluding RRSP)	4.64	13.49	13.93	12.69	16.12	9.69	9.38
Gifts of money and contributions	3.33	6.99	16.92	8.02	7.37	8.11	6.45
Money and support payments	4.55	9.36	24.99	11.18	11.19	10.86	9.03
Alimony and child support	8.92	25.80	28.45	18.37	22.87	18.45	18.94
Gifts of money and other support payments to persons living inside Canada	5.77	9.54	33.31	14.24	10.86	13.60	11.54
Gifts of money and other support payments to persons living outside Canada	9.97	30.11	63.91	27.06	32.58	21.49	13.46
Contributions to charity	3.78	8.34	10.57	6.12	6.04	6.39	7.05
Religious organizations	5.05	9.49	14.73	7.79	7.33	8.56	9.64
Non-religious charitable organizations	4.46	9.62	10.15	6.57	7.85	7.64	7.05
Registered retirement savings plans	4.08	18.61	14.89	22.60	13.65	9.70	7.21
Additions, renovations and alterations: contract, labour and material cost	4.67	9.38	19.67	10.32	14.43	7.60	9.34
New installations of equipment and fixtures: contract, labour and material cost	7.61	17.09	36.61	18.25	21.19	16.38	14.01

Blank = CV over 200%

0.00 = item not reported

**Technical Table 2**      **Coefficients of Variation (%) for Average Household Expenditures, Canada, Provinces and Territories, 1998 - concluded**

Man	Sask	Alta	BC	Yuk	NWT	Nunavut	
13.9	16.44	16.34	21.17	34.89	26.01	16.85	Bingos
7.32	12.55	8.51	8.95	14.49	14.12	57.44	Non-government lotteries and raffle tickets
-11.85	-20.98	-9.95	-13.56	-39.70	-16.37	-21.04	Winnings from games of chance
10.33	6.51	4.12	6.73	10.01	9.32	8.74	Miscellaneous expenditures
23.46	24.80	16.54	20.23	29.50	50.51	92.77	Expenses on other property owned
32.29	19.02	15.08	34.40	36.06	46.89	54.44	Legal services not related to dwellings
11.31	7.93	4.64	6.9	13.56	19.09	12.64	Financial services
3.56	3.77	3.25	3.18	13.08	7.92	31.31	Service charges from banks
39.06	37.15	16.12	19.17	57.93	77.71	63.30	Stock and bond commissions
48	33.42	18.79	22.26	30.13	54.99	37.98	Administration fees
7.66	6.79	6.01	5.59	10.36	11.28	20.59	Other financial services
7.1	6.13	6.47	5.81	8.98	14.16	30.32	Dues to unions and professional associations
8.66	7.81	13.59	9.94	22.38	16.33	54.90	Contributions and dues for social clubs and other organizations
59.98	15.51	11.13	11.78	26.29	31.08	66.01	Forfeit of deposits, fines, and money lost or stolen
27.18	16.37	16.95	17.47	32.09	26.94	80.33	Tools and equipment purchased for work
23.82	25.39	20.14	21.61	46.62	39.69	83.28	Other miscellaneous goods and services
32.12	49.21	37.84	28.58	73.80	61.30	0.00	Goods
27.81	25.60	23.11	24.66	44.44	37.50	83.28	Services
4.23	3.99	3.00	4.30	9.21	8.56	16.97	Personal taxes
3.49	3.66	2.81	3.73	8.39	8.18	14.30	Income tax on reference year income
32.09	21.93	13.91	22.27	46.74	41.44	65.44	Income tax on income received before reference year
62.32	100.20	80.24	82.19	90.40	59.75	23.35	Other personal taxes
-4.94	-5.97	-5.31	-5.21	-11.30	-7.38	-15.29	Tax refunds
5.24	7.93	2.28	3.05	8.88	7.01	11.33	Personal insurance payments and pension contributions
6.64	7.81	6.54	7.17	12.75	19.88	31.59	Life insurance premiums
65.04	65.86	69.58	63.95	93.27	0.00	54.99	Annuity contracts and transfers to RRIFs
2.29	2.34	1.78	2.23	5.43	3.82	10.53	Employment insurance premiums
3.46	3.40	2.85	3.20	11.12	8.93	11.40	Retirement and pension fund payments
2.27	2.40	1.72	2.02	5.78	2.52	10.52	Canada and Quebec pension plan
9.74	11.09	10.32	9.16	18.15	20.12	45.43	Other government pension funds
7.97	8.48	9.32	9.26	26.38	27.38	53.44	Other retirement or pension funds (excluding RRSP)
7.94	7.39	6.45	7.51	30.19	44.20	33.75	Gifts of money and contributions
10.12	10.20	9.31	10.01	33.21	51.18	41.98	Money and support payments
23.76	16.31	17.18	24.17	29.53	85.34	54.49	Alimony and child support
13.06	12.45	9.17	10.78	45.50	27.78	40.54	Gifts of money and other support payments to persons living inside Canada
18.31	22.43	25.21	29.59	51.97	82.60	68.27	Gifts of money and other support payments to persons living outside Canada
10.18	5.78	7.78	9.31	29.88	9.50	31.52	Contributions to charity
13.44	6.84	10.47	11.73	40.36	17.24	45.76	Religious organizations
8.22	9.25	6.47	15.35	20.31	13.68	52.54	Non-religious charitable organizations
13.02	20.99	7.82	8.37	21.16	10.79	39.88	Registered retirement savings plans
10.97	12.21	9.16	11.18	27.51	38.46	66.70	Additions, renovations and alterations: contract, labour and material cost
18.52	19.76	15.82	17.27	42.66	37.52	73.74	New installations of equipment and fixtures: contract, labour and material cost

Blank = CV over 200%  
0.00 = item not reported