

1998 Survey of Household Spending

PUBLIC-USE MICRODATA FILE

Users' Guide

**Income Statistics Division
Statistics Canada**

Ce document est disponible en français

Released: July 2000

Version 2

Revised: May 2001

Income Statistics Division, Statistics Canada must be credited when reproducing or quoting any part of this document.

Table of Contents

	Page
INTRODUCTION	4
General Information	4
Technical characteristics of the file.....	5
RECORD LAYOUT	6
DATA DICTIONARY	12
Location	12
Dwelling	13
Characteristics of Reference Person.....	20
Characteristics of Spouse of Reference Person.....	23
Household Description.....	26
Household Equipment (at December 31)	34
Expenditure - Food	40
Expenditure - Shelter	40
Expenditure - Household Operation	44
Expenditure - Household Furnishings and Equipment	47
Expenditure - Clothing	50
Expenditure - Transportation	52
Expenditure - Health Care	55
Expenditure - Personal Care	58
Expenditure - Recreation	58
Expenditure - Reading Materials and Other Printed Matter	65
Expenditure - Education	66
Expenditure - Tobacco Products and Alcoholic Beverages	66
Expenditure - Other	67
TECHNICAL INFORMATION	72
Methodology	72
1.1 Target Population and Coverage.....	72
1.2 Sample Design	72
1.3 Data Collection.....	75
1.4 Data Processing	76
Data quality	78
2.1 Sampling Error.....	78
2.2 Non-Sampling Error.....	78
Guidelines for tabulation, analysis and dissemination	84
3.1 Guidelines for Rounding	84
Confidentiality of the public-use microdata	97
APPENDICES	98
Appendix A	
Frequency Counts - Public-Use Microdata File B SHS 1998.....	98

Appendix B

Part 1 of 3

Averages, Aggregates, Minimum and Maximum Values

Public-Use Microdata File - SHS 1998

(Full-Year and Part-Year Households) - REVISED 121

Part 2 of 3

Averages, Aggregates, Minimum and Maximum Values

Public-use Microdata File - SHS 1998

(Full-year Households) - REVISED..... 126

Part 3 of 3

Averages and Aggregates

Unsuppressed Survey File - SHS 1998

(Full-year and Part-year Households) - REVISED..... 131

Appendix C

Inclusion of Spending Variables in Past Microdata Files 136

Appendix D

Comparison of variables from the 1997 and the 1998 SHS 141

Appendix E

Technical Table 1a

Coefficients of Variation (%) for Dwelling Characteristics and Household

Equipment, Canada, from Newfoundland to Ontario, 1998 - REVISED 142

Technical Table 1b

Coefficients of Variation (%) for Dwelling Characteristics and Household

Equipment, from Manitoba to Nunavut, 1998 - REVISED 145

Technical Table 2a

Coefficients of Variation (%) for Average Household Expenditures,

Canada, from Newfoundland to Ontario, 1998 - REVISED 148

Technical Table 2a

Coefficients of Variation (%) for Average Household Expenditures,

from Manitoba to Nunavut, 1998 - REVISED 158

INTRODUCTION

General Information

This re-issue of the public-use microdata file presents the originally-released data and revised weights 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 31st (dwelling characteristics and household equipment).

Important Note:

The weights provided in this file have been revised to reflect population and household totals from the 1996 Census (instead of the 1991 Census) and to incorporate income distributions from taxfiler data from the Canada Customs and Revenue Agency (CCRA, formerly Revenue Canada). All the data in the file are the same as originally released on July 19, 2000 with the exception of these revised weights (variable "Weights" – see the Record Layout).

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

This document is laid out in the following manner:

- Record Layout.
- 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. **These tables have been updated to reflect the revised weights.**
- 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. **These CVs have been updated to reflect the revised weights.**

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), 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.....SHS98V2.TXT

NUMBER OF RECORDS15,457

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

Field	Size	Decimal Places	Position	Type*	Description	Variable Name
LOCATION						
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
DWELLING						
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	BUYHMFLG
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
CHARACTERISTICS OF REFERENCE PERSON						
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
CHARACTERISTICS OF SPOUSE OF REFERENCE PERSON						
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

Field	Size	Decimal Places	Position	Type*	Description	Variable Name
					HOUSEHOLD DESCRIPTION	
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
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	TOTHMONR
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
					HOUSEHOLD EQUIPMENT (AT DECEMBER 31)	
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
					EXPENDITURES	
					FOOD	
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
					SHELTER	
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

Field	Size	Decimal Places	Position	Type*	Description	Variable Name
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 (e.g., oil, gas)	G022
110	11	2	513 - 523	n	Electricity	G024
111	11	2	524 - 534	n	Other accommodation	G025
112	11	2	535 - 545	n	Owned vacation home	G026
113	11	2	546 - 556	n	Traveller accommodation	G032
HOUSEHOLD OPERATION						
114	11	2	557 - 567	n	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
HOUSEHOLD FURNISHINGS AND EQUIPMENT						
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
CLOTHING						
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 B 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 B 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 B 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
TRANSPORTATION						
149	11	2	942 - 952	n	Transportation	K001

Field	Size	Decimal Places	Position	Type*	Description	Variable Name
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
					HEALTH CARE	
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
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
					PERSONAL CARE	
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
					RECREATION	
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 (e.g., radio, CD player, speaker)	M150

Field	Size	Decimal Places	Position	Type*	Description	Variable Name
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
					READING MATERIALS AND OTHER PRINTED MATTER	
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
					EDUCATION	
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
					TOBACCO PRODUCTS AND ALCOHOLIC BEVERAGES	
225	11	2	1778 - 1788	n	Tobacco products and alcoholic beverages	N101
226	11	2	1789 - 1799	n	Tobacco products and smokers' supplies	N102
227	11	2	1800 - 1810	n	Cigarettes, cigars and 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
					OTHER EXPENSES	
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

Field	Size	Decimal Places	Position	Type*	Description	Variable Name
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

Note: Revised, May 2001.

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.

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

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

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

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

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

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

Includes:

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

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

Variable Name: **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 B 1945
3	1946 B 1960
4	1961 B 1970
5	1971 B 1980
6	1981 B 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 B 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 furnaces distribute central heating through radiators located throughout the house and connected by pressure pipes.

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

Electric heating includes 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 B 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 or over with child) with no additional persons
 No person with relationship (A:002) = 02 and primary children > 0 and secondary persons = 0
6. Other household with 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 B 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)) \geq 49 and full-time weeks (SHS_U:002) \geq 25

Maximum value of weeks worked is limited to 52.

Code	Description
0	None
1	1
2	2 or more

Variable Name: **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)) \geq 49 and full-time weeks (SHS_U:002) $<$ 25

Maximum value of weeks worked is limited to 52.

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

Variable Name: **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 >= 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 >= 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 >= total wages and salaries (U:004) and total self-employment income (U:005+U:006+U:007) and total investment income (U:008) and total government transfer payments (U:009+U:010+U:011+U:012+U:013+U:014+U:015)

Code	Description
0	All sources = 0
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)
Sum(SHS_U:015 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: **TOTHMONR**
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) >= (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 B 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
2	2
3	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 which 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: Vehicles 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)

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

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

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

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

Note: See important note under G001.

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

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

Note: See important note under G001.

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

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

Note: Expenditures on the total of contracts, labour, and materials for all types of maintenance, repairs and replacements. Includes all expenditures on the dwelling such as those for built-in appliances and other equipment and fixtures. Prior to the 1996 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 (e.g., oil, gas)

SHS_J:003

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

SHS_J:002

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

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

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

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

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

SHS_J:005
SHS_J:006

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

Expenditure - Household Operation

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

SHS_M:003
SHS_M:001
SHS_M:005
SHS_M:002
SHS_M:004
SHS_M:006
SHS_M:007
SHS_M:008

SHS_M:009
SHS_M:010
SHS_M:015
SHS_M:016
SHS_M:017
SHS_M:018
SHS_M:021
SHS_M:022
SHS_M:023
SHS_M:012
SHS_M:013
SHS_M:014
SHS_M:011
SHS_M:024

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

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

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

SHS_M:003
SHS_M:001
SHS_M:005

Variable Name: **H004**
Unit Type: Dollar (\$)
Description: Purchase of telephones 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)/100 for each Vehicle)
SHS_Q:201
SHS_Q:202
SHS_Q:203
SHS_Q:204
SHS_Q:205
SHS_Q:206
Sum(SHS_Q:017 for each vehicle)
Sum(SHS_Q:022 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:024 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:025 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
SHS_I:008 * (100 - PctRentAgainstBusiness_I:011)/100
Sum(SHS_Q:028 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
SHS_Q:302
SHS_Q:301
Sum(SHS_Q:027 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:026 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
Sum(SHS_Q:029 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)
SHS_R:092
SHS_R:093
SHS_R:094
SHS_R:095
SHS_R:096
SHS_R:097
SHS_R:098

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

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

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

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

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

Variable Name: **K007**
Unit Type: Dollar (\$)
Description: 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)

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_I011)/100
Sum(SHS_Q:028 * (100 - PctVehExpAgainstBus_Q:031)/100 for each vehicle)

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

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

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

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

Variable Name: **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:022)/100 for each recreation vehicle)
 Sum(SHS_R:015 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
 Sum(SHS_R:017 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
 Sum(SHS_R:018 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
 Sum(SHS_R:019 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
 Sum(SHS_R:020 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
 SHS_L:011
 SHS_L:013
 SHS_L:014
 SHS_L:012
 SHS_L:015
 SHS_L:031
 SHS_L:034
 SHS_L:032
 SHS_S:016
 SHS_S:019
 SHS_S:017
 SHS_S:018
 SHS_L:033
 SHS_S:021
 SHS_S:022
 SHS_S:020
 SHS_S:023
 SHS_R:100
 SHS_S:024

Variable Name: **M102**
 Unit Type: Dollar (\$)

Description: Recreation equipment and associated services

SHS_S:001
 SHS_S:011
 SHS_S:009
 SHS_S:008
 SHS_S:007
 SHS_L:016
 SHS_L:017
 SHS_L:019
 SHS_L:020

SHS_S:003
SHS_S:004
SHS_S:005
SHS_S:006
SHS_S:012
SHS_S:002
SHS_S:013
SHS_S:015
SHS_S:014

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

SHS_S:001

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

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

SHS_R:001
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 4)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 3)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 1)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 2)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 8)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 5)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 6)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 7)
Sum(SHS_R:014 - SHS_R:023 for each recreation vehicle: If SHS_R:012 = 9)

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

SHS_R:001

Variable Name: **M129**
Unit Type: Dollar (\$)
Description: 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:022)/100 for each recreation vehicle)
Sum(SHS_R:015 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:017 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:018 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)
Sum(SHS_R:019 * (100 - PctOtherVehExpAgainstBus_R:022)/100 for each recreation vehicle)

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

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

SHS_R:002

Variable Name: **M142TOT**
Unit Type: Dollar (\$)
Description: Other recreation vehicle operation

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

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

SHS_R:091

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

SHS_L:011
SHS_L:013
SHS_L:014
SHS_L:012
SHS_L:015
SHS_L:031
SHS_L:034
SHS_L:032

Variable Name: **M150**
Unit Type: Dollar (\$)
Description: Audio (e.g., 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 B 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 < 1984)
Sum(SHS_V:003 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)
Sum(SHS_V:004 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

Sum((SHS_U:017 * (-1)) for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

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 < 1984)
Sum(SHS_V:006 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)
Sum(SHS_V:007 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)
Sum(SHS_V:009 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)
Sum(SHS_V:008 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)
Sum(SHS_V:010 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

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 < 1984)
Sum(SHS_V:006 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

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 < 1984)

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 < 1984)
Sum(SHS_V:008 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)
Sum(SHS_V:010 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

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 < 1984)

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 < 1984)

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 < 1984)

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 < 1984)

Sum(SHS_V:013 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

Sum(SHS_V:014 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

Sum(SHS_V:015 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

Sum(SHS_V:016 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

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 girls' wear, men's and boys' wear, and childrens' wear.

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

Sum(SHS_V:013 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

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

Sum(SHS_V:014 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

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

Sum(SHS_V:015 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

Variable Name: **O407**
Unit Type: Dollar (\$)
Description: Contributions to non-religious charitable organizations
Sum(SHS_V:016 for each Person: If (SHS_A:012 between 1 and 3) and SHS_A:003 < 1984)

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.

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.

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 fewer than 100 households), or in unorganized areas, are excluded from the target population.

1.2 Sample Design

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

The SHS uses the same sample design as the Labour Force Survey (LFS) in order to minimize 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*¹.

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.

¹ Catalogue number 71-526-XPB

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.

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

Province	Sample size (number of households)
Canada	20,236
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 flows²), 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.

² Formerly net change in assets and liabilities.

1.3.4 Non-response to the SHS

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

1.4 Data Processing

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

1.4.1 Coding and data capture

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

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

1.4.2 Data Editing and Imputation

The first stage of automated verification is done after each questionnaire has been verified manually by both the interviewer and the senior interviewer. The respondent's answers must respect various essential consistency rules. Unusual situations that may justify corrections are also identified. This stage of verification is done in the Statistics Canada regional offices in case respondents need to be re-contacted if some supplementary information is needed to resolve the inconsistencies in their answers. Members of specially trained verification teams resolve any problems identified. Thereafter, other verification checks are done at head office and invalid responses are corrected.

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

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

Income and expenditure data are imputed using the nearest neighbour technique. This technique consists of creating groups of households or individuals that share some criterion (for example, province of residence). Within these groups, each household requiring imputation (receiver) is matched to a household for which the questionnaire is complete (donor) and which resembles the first household in terms of specific characteristics (e.g.

income, number of children, number of adults, etc.). Data from the donor are imputed to the receiver if these data meet consistency-editing rules. Note that the SHS collects information on several aspects of the budget of a household. Data are imputed by section coinciding generally to sections of the questionnaire, i.e. a group of interrelated questions. This allows the number of potential donors to be maximized since, if a household has only one unanswered question, it may serve as a donor for the sections it answered completely. This approach allows a household to be imputed by more than one donor. But this is minimized because the system searches for the most similar household according to certain characteristics, which are often the same from one section to the other. It is important to note that questions from the same section are all imputed by the same donor, thus preserving the relationships among the questions.

1.4.3 Weighting - REVISED

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

To increase the reliability of the estimates, weights were adjusted to ensure that estimates based on relevant characteristics of the population would respect population and household totals from sources other than the survey. For the ten provinces, there are two sets of totals. The first set of totals, for age/sex groups, household size and household type at the province level, are based on projections at January 1, 1999 using the 1996 Census of Population (adjusted for net undercoverage). Controls for 9 age/sex groups are used. These are combined with totals for one-person households, two-person households and more than two-person households. There are also totals for the number of single-parent families and couples with never-married children.

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

The second set of totals are derived from 1998 T4 information from Canada Customs and Revenue Agency (CCRA, formerly Revenue Canada) and is intended to ensure that the weighted distribution of income (based on wages and salaries) in the data set matches that of the Canadian population. This adjustment takes place in the 10 provinces but not in the territories.

There are two important differences between the weighting methodology used in the original release of this file (version 1) and the weighting method used in this file (version 2). First, population and household counts used in the adjustment of survey weights are now based on the 1996 Census and not, as previously, on the 1991 Census. Secondly, totals from the Canada Customs and Revenue Agency (CCRA) are now being used to adjust survey weights to reflect the income distribution of the Canadian population. The 1997 public-use microdata file has also been reweighted using the same method. Re-weighting of the 1996 and 1992 Famex public-use microdata files and historical HFE public-use microdata files is planned. The 1999 and subsequent microdata files will continue to use this weighting method.

Adjustment for influential data relies on detecting the few individuals who make a significant contribution (generally more than 1%) to provincial estimates of total income. If required, the weight of the household of these individuals is adjusted so that the estimates of the number

of individuals with an income of this significance does not exceed the number obtained from the distribution of income from individual taxation data for individuals.

DATA QUALITY

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

2.1 Sampling Error

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

2.1.2 Sampling error measurements

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

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

Finally, the standard error or the coefficient of variation can be used to derive another measurement of the accuracy of estimates, the confidence interval. This measurement indicates the level of confidence that the true value for an observed characteristic lies within certain limits. An interval with a confidence level of 95% corresponds to the estimate obtained from the sample ± 2 standard errors ($Y \pm 2 SE$)³. This means that if the sampling were repeated numerous times, each sample would provide a different interval and 95% of the intervals would contain the true value of the characteristic. Similarly, if the sampling were repeated, the interval $Y \pm SE$ would contain the true value in 68% of cases.

2.2 Non-Sampling Error

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

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

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 5.8% of the population nationally, varying from 1.2% to 12.1% 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 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 flows⁴) is higher than 20% (1.3%).

⁴ Formerly net difference between assets and liabilities.

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
TOTAL	10.5	20.7	4.9	15.8	2.9	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.

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 cooperation. 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.⁵

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 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.

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

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

Province or Territory	% of households requiring imputation of EXPENDITURE VARIABLES (excluding clothing expenditures)			
	Number of imputed variables (out of 237)			TOTAL
	1	2	3 to 10	
Canada	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 income⁶, 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 expenditures⁷, 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

⁶ These tables are available on request.

⁷ These tables are available on request.

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 .

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

Characteristics	Measurement of the impact of imputed values
Total Income	0.16%
Total expenditure	0.40%
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 control 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.

IMPORTANT NOTE TO USERS ABOUT FULL AND PART-YEAR HOUSEHOLDS

In 1997, the Survey of Family Expenditure (FAMEX) and the Household Facilities and Equipment Survey (HFE) were replaced by the Survey of Household Spending (SHS). FAMEX microdata files only included full-year households,⁸ as only such households could give a clear picture of income and expenditures over an entire year. HFE microdata, on the other hand, included all households, since data were collected as of December 31. To meet user needs, all households are listed on the SHS file, along with a variable indicating each household's status (full-year, part-year).

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

3.1 Guidelines for Rounding

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

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

⁸ A *part-year household* consists entirely of members present only part of the year. A *full-year household* has at least one member present throughout the year. A member present for part of the year is a member of a household who has been present less than 52 weeks. Income and expenditure data for members present just part of the year are only collected for that part of the year they were included in the household.

decimal place) using the traditional rounding technique.

- e) If, due to technical or other limitations, a technique other than traditional rounding is used, with the result that the estimates to be published or released differ in any form from the corresponding estimates that would be obtained by Statistics Canada, we strongly advise users to indicate the reasons for the differences in the documents to be published or released.
- f) Unrounded estimates cannot under any circumstances be published or released in any way whatsoever by users. Unrounded estimates give the impression that they are much more precise than they actually are.

3.1.1 Guidelines for the weighting of the sample for totalling purposes

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

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

3.1.1.1 *Types of estimates: categorical versus quantitative*

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

Categorical estimates:

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

Examples of categorical questions:

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

When was your residence built?

- 1920 or earlier
- 1921-1945
- 1946-1960
- 1961-1970
- 1971-1980
- 1981-1990
- 1991-1997
- 1998

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 *Totalling of quantitative estimates*

Quantitative estimates can be obtained from the microdata file by multiplying the value of the desired variable by the final weight of each record, and then adding this quantity for all records of interest. For example, to obtain an estimate of total expenditure by owners for electricity, the value reported for the question "In 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).

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

3.1.2 Guidelines for statistical analysis

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

Although numerous analytical methods in statistical software packages allow for the use of weights, the meaning or definition of weights differs from that suitable for a sample survey.

As a result, although the estimates done using those packages are in many cases accurate, the variances calculated have almost no significance.

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

3.1.3 Guidelines for release

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

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

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

3.1.4.1 How to obtain approximate CVs

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Rule 3: Approximating CVs for estimates of differences

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

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

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

3.1.4.2 Examples

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

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

A) Quantitative variable

Let us assume we wanted to estimate the total for a (quantitative) expenditure variable X, for households containing at least one person less than 17 years of age. To illustrate this procedure, we will use a fictive sample (see Table 6) on which we will present calculation details (see Table 7) for each of the eleven steps described above. As this procedure is applied independently within each province, we shall merely describe calculations for one province.

Let us use the following sample for Ontario:

Table 6 Fictional example

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

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

Table 7 Calculation details for approximating the CV of a total (steps 1 to 9)

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

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

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

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

$$CV_{CAN} = 100 * \frac{\sqrt{Variance_{CAN}}}{Estimation_{CAN}}$$

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

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

B) Qualitative variable (categorical)

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

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

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

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

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

Part 2: Actual cases based on the microdata file

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

Let us assume that we have estimated that household furnishings and equipment expenditures for one-person households in Manitoba total \$75,675,948. We have to estimate the approximate CV for this estimate. Users must therefore follow steps (1) to (11) of rule 1.

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

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

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

Table 8 Calculation of ACV

Step	Total spending on household furnishings and equipment for one-person households in Manitoba
4	75,675,948
5	1,040,317
6	72.7432
9	8.6467×10^{13}
10	8.6467×10^{13}
11	12.29

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

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

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

The estimates obtained are 2,885,755 for the set of one-person households, 979,065 for single-family dwellings⁹, 98,334 for semi-detached houses¹⁰, 146,661 for town houses¹¹ and 1,661,695 for "other."¹² We want to calculate the approximate CVs for these estimates.

9 Single family = single detached

10 Semi-detached = double

11 Town houses = row or terrace

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

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

Table 9 Calculation of ACV

Step	Number of one-person households	Number of one-person households living in a single-family dwelling	Number of one-person households living in a semi-detached dwelling	Number of one-person households living in a townhouse	Number of one-person households living in other housing
4	113,702	50,439	706	5,666	56,891
5	1,040,317	1,040,317	1,040,317	1,040,317	1,040,317
6	0.109296	0.048484	0.000679	0.005446	0.054686
9	45,349,345	19,535,709	248,861	1,786,429	20,014,115
10	4,898,654,185	1,562,057,927	174,462,266	201,423,386	2,669,724,467
11	2.43	4.04	13.43	9.68	3.11

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

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

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

Table 10 Calculation of ACV

Step	Number of one-person households in Manitoba	Total expenditures on furnishings and household equipment for households consisting of one person in Manitoba
4	110,030	69,647,858
5	1,040,317	1,040,317
6	0.105766	66.9487
9	43,805,369	7.6736 x 10 ¹³
10	43,805,369	7.6736 x 10 ¹³
11	6.02	12.58

Example 2: Approximation of CV for estimating ratios

Let us assume we wanted to estimate average expenditures on furnishings and household equipment for one-person households in Manitoba. Estimation of the average would be equal to $\$69,647,858/110,030 = \632.99 . How does the user determine the CV of this estimate?

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

$$CVA_R = \sqrt{CVA_N^2 + CVA_D^2} = \sqrt{12.58^2 + 6.02^2} = 13.95$$

Example 3: Approximation of CV for estimating differences

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

We would estimate total expenditures on furnishings and household equipment, along with their respective CVs for Manitoba (total = 520,649,418; CV = 4.04) and for Alberta (total = 1,732,230,732; CV = 3.22).

Estimation of the difference would thus be $1,732,230,732 - 520,649,418 = 1,211,581,314$. Rule (3) can be applied to obtain the desired CV.

$$\begin{aligned} CVA_{DIFF} &= \frac{\sqrt{(\text{EST}_1 CVA_1)^2 + (\text{EST}_2 CVA_2)^2}}{|\text{EST}_{DIFF}|} \\ &= \frac{\sqrt{(1,732,230,732 * 3.22)^2 + (520,649,418 * 4.04)^2}}{|1,211,581,314|} = 4.91 \end{aligned}$$

3.1.5 How to obtain confidence limits

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

If sampling of a population is repeated many times, each sample leading to a new confidence interval for an estimate, then in 95% of the samples the interval will cover the true population value.

Using the CV of an estimate, its confidence intervals may be obtained assuming that, under repeated sampling of the population, the various estimates obtained for a characteristic are normally distributed around the true population value. Using this assumption, the chances are about 68 out of 100 that the difference between a sample estimate and the true population value would be less than one standard error, about 95 out of 100 that the difference would be less than two standard errors, and about 99 out of 100 that the differences would be less than three standard errors. These different degrees of confidence are referred to as the confidence levels.

Confidence intervals for an estimate, EST, are generally expressed as two numbers, one below the estimate and one above the estimate, as (EST - k, EST + k) where k is determined depending on the level of confidence desired and the sampling error of the estimate.

Confidence intervals for an estimate can be calculated by first determining the ACV of the estimate and then using the following formula to convert to a confidence interval CI:

$$(EST - z \times EST \times ACV / 100, EST + z \times EST \times ACV / 100)$$

where

- z = 1 if a 68% confidence interval is desired,
- z = 1.6 if a 90% confidence interval is desired,
- z = 2 if a 95% confidence interval is desired,
- z = 3 if a 99% confidence interval is desired.

Note: Release guidelines which apply to the estimate also apply to the confidence interval. For example, if the estimate is not releasable, then the confidence interval is not releasable either.

Example

A 95% confidence interval for the estimated mean of spending on household furnishings and equipment for one-person households in Manitoba would be calculated as follows:

$$EST = 632.99$$

$$z = 2$$

$$ACV = 13.95$$

$$CI = (632.99 - 2 \times 632.99 \times 13.95/100 ; 632.99 + 2 \times 632.99 \times 13.95/100) = (456.39; 809.59)$$

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_{DIFF} .

If $z = 1 / ACV_{DIFF}$ is less than 2, then no conclusion about the difference between the characteristics is justified at the 5% level of significance. If however, this ratio is larger than 2, the observed difference is significant at the 5% level.

Example

Let us suppose we wish to test, at the 5% level of significance, the hypothesis that there is no difference between the total of spending on furnishings and equipment in Alberta and the same total in Manitoba. From example 3, section 3.1.4.2, the approximate CV of the difference between these two estimates was found to be 4.91 and $z = 20.4$. Since this value is greater than 2, it must be concluded that there is significant difference between the two estimates at the 0.05 level of significance.

CONFIDENTIALITY OF THE PUBLIC-USE MICRODATA

Microdata files for public use differ in many ways from the master file of the survey held by Statistics Canada. These variations are due to measures taken to preserve the anonymity of respondents to the survey.

The confidentiality of this file is ensured mainly by reducing information, i.e., deleting variables or suppressing or collapsing some of their detail.

To protect confidentiality

- All explicitly identifying information such as identification numbers 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.

- Both territories are grouped under the same provincial code.
- There was *top-coding and collapsing* of code sets for non-spending variables.
- Income values at the household, reference person and spouse of reference person levels were *rounded* in the following manner:

For income values between \$1 and \$9,999: round to the nearest \$100

For income values between \$10,000 and \$99,999: round to the nearest \$1,000

For income values between \$100,000 and \$999,999: round to the nearest \$10,000

For income values between \$1,000,000 and \$9,999,999: round to the nearest \$100,000

For income values between \$10,000,000 and \$99,999,999: round to the nearest \$1,000,000

The variables "Purchase price of dwelling" and "Selling price of dwelling" were also rounded.

APPENDICES

APPENDIX A

Frequency Counts B Public-Use Microdata File B 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 B 30,000 and over	1	7,514	48.6	1	7,211	48.3
Urban B 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

	Full-year and Part-year Households			Full-year Households		
1991 to survey year	7	1,649	10.7	7	1,588	10.6
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
YRMOVED	YRMOVED	Frequency	Percent	YRMOVED	Frequency	Percent

	Full-year and Part-year Households			Full-year Households		
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
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

	Full-year and Part-year Households			Full-year Households		
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
	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

	Full-year and Part-year Households			Full-year Households		
	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
	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

	Full-year and Part-year Households			Full-year Households		
	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
	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

	Full-year and Part-year Households			Full-year Households		
	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
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	Full-year and Part-year Households			Full-year Households		
	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
	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

	Full-year and Part-year Households			Full-year Households		
	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
	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

	Full-year and Part-year Households			Full-year Households		
	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
	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

	Full-year and Part-year Households			Full-year Households		
	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
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

	Full-year and Part-year Households			Full-year Households		
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
	2	137	0.9	2	136	0.9
	3	6	0.0	3	6	0.0
	4	1	0.0	4	1	0.0
MA517D31	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
FE517D31	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

	Full-year and Part-year Households			Full-year Households		
Y1824D31	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
A2564D31	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
SE65D31	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
HHSZTOT	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
	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

	Full-year and Part-year Households			Full-year Households		
	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
	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

	Full-year and Part-year Households			Full-year Households		
	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
	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

	Full-year and Part-year Households			Full-year Households		
	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
	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

	Full-year and Part-year Households			Full-year Households		
	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
	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

	Full-year and Part-year Households			Full-year Households		
	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
	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

	Full-year and Part-year Households			Full-year Households		
	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
	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			

	Full-year and Part-year Households			Full-year Households		
	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			
	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
EIFLAG	EIFLAG	Frequency	Percent	EIFLAG	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
DSHWASH	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
NUMFRIDG	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
FREEZER	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
MICROWV	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
AIRCON	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

	Full-year and Part-year Households			Full-year Households		
NUMPHON	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
NUMPHNUM	NUMPHNUM	Frequency	Percent	NUMPHNUM	Frequency	Percent
	M			M		
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
CELLPHON	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
CDPLYER	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
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

	Full-year and Part-year Households			Full-year Households		
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 B SHS 1998 (Full-Year and Part-Year Households) - REVISED

Sample Count		15,457			
Weighted Count		11,385,219			
Pub. stub no.		Average	Aggregate	Minimum	Maximum
	Purchase price of home bought in reference year	5,641	64,223,255,600	0	760,000
	Selling price of home sold in reference year	2,928	33,333,147,500	0	1,700,000
	Additions, renovations and alterations	996	11,343,594,003	0	114,000
	New installations of equipment and fixtures	73	834,079,263	0	27,300
	Income of reference person before taxes	30,338	345,408,593,100	-16,000	1,000,000
	Income of reference person from earnings	22,443	255,514,242,300	-20,000	1,000,000
	Income of reference person from investment	1,247	14,194,046,200	-11,000	190,000
	Income of reference person from government transfer payments	4,046	46,066,845,700	-7,000	170,000
	Income of reference person from other sources	2,619	29,814,284,000	0	280,000
	Income of spouse before taxes	16,060	182,845,745,000	-4,500	400,000
	Income of spouse from earnings	13,466	153,315,549,500	-4,500	400,000
	Income of spouse from investment	421	4,794,035,000	-17,000	280,000
	Income of spouse from government transfer payments	1,439	16,385,369,800	0	220,000
	Income of spouse from other sources	742	8,443,224,700	0	200,000
176	Household income before taxes	51,212	583,059,115,100	-3,900	1,000,000
	Household income from earnings	39,855	453,752,478,800	-10,000	1,000,000
	Household income from investment	1,763	20,066,527,700	-17,000	450,000
	Household income from government transfer payments	6,113	69,600,487,400	-7,000	220,000
	Household income from other sources	3,510	39,964,836,100	0	410,000
178	Total other money receipts	1,596	18,170,573,129	0	900,000
180	Money flows (assets, loans and other debts)	2,826	32,170,906,066	-250,000	980,000
	Registered Retirement Savings Plan (RRSP) change	1,569	17,868,508,535	-275,000	260,000
	FOOD				
1000-1560	Food	5,783	65,838,481,637	40	39,500
1000-1520	Food purchased from stores	4,489	51,106,014,579	1	33,900
1560	Food purchased from restaurants	1,259	14,333,981,766	0	32,900
	SHELTER				
2000-2052	Shelter	9,884	112,528,384,599	0	172,160
2000-2034	Principal accommodation	9,358	106,546,537,659	0	172,160
2000-2002	Rented living quarters	2,260	25,727,590,462	0	41,400
2000	Rent (amount paid)	2,200	25,052,998,184	0	38,400

Pub. stub no.		Average	Aggregate	Minimum	Maximum
2010-2028	Owned living quarters	5,606	63,823,570,367	0	172,160
2010	Regular mortgage payments	3,324	37,844,830,842	0	113,000
2011	Maintenance, repairs and replacements	392	4,463,352,162	0	55,000
2012	Condominium charges	109	1,245,594,580	0	9,600
2014	Property taxes	1,196	13,618,836,669	0	14,000
2016	Homeowners' insurance premiums	292	3,323,510,490	0	8,000
2030-2034	Water, fuel and electricity	1,493	16,995,376,830	0	15,650
2030	Water and sewage	165	1,879,777,583	0	6,000
2032	Liquid fuel (e.g., oil, gas)	437	4,979,175,099	0	11,000
2034	Electricity	890	10,136,424,148	0	8,000
2040-2052	Other accommodation	525	5,981,846,940	0	36,620
2040-2048	Owned vacation home	160	1,818,462,785	0	22,270
2050-2052	Traveller accommodation	366	4,163,384,155	0	36,620
	HOUSEHOLD OPERATION				
2200-2380	Household operation	2,302	26,207,553,026	0	40,860
2200-2230	Communications	944	10,749,994,087	0	27,700
2200-2204	Telephone	735	8,370,009,225	0	24,000
2200	Purchase of telephones and equipment	29	326,963,460	0	2,000
2202-2204	Telephone services	706	8,043,045,765	0	24,000
2210	Cellular services	110	1,249,099,674	0	4,800
2220	Internet services	47	534,287,456	0	2,625
2230	Postal and other communication services	52	596,597,732	0	6,048
2240-2244	Child care expenses	292	3,329,890,468	0	32,035
2260	Domestic and other custodial services	94	1,067,916,204	0	30,000
2270-2300	Pet expenses	263	2,998,212,262	0	25,000
2310	Household cleaning supplies	207	2,359,431,993	0	3,000
2320-2330	Paper, plastic and foil household supplies	230	2,615,415,899	0	3,600
2340-2370	Garden supplies and services	211	2,403,450,118	0	19,875
	HOUSEHOLD FURNISHINGS AND EQUIPMENT				
2500-2730	Household furnishings and equipment	1,470	16,731,709,730	0	114,900
2500-2534	Household furnishings	718	8,170,397,841	0	74,900
2500	Furniture	476	5,421,859,300	0	30,000
2510	Rugs, mats and underpadding	33	373,162,633	0	15,000
2520	Window coverings and household textiles	118	1,343,399,386	0	16,500
2530-2534	Art, antiques and decorative ware	91	1,031,976,522	0	43,900
2540-2680	Household equipment	657	7,480,619,797	0	47,045
2540-2590	Household appliances	295	3,358,795,627	0	10,500
2600-2680	Other household tools, equipment and accessories	362	4,121,824,170	0	46,325
2690-2710	Maintenance and repairs of furniture and equipment	62	709,214,977	0	9,000
2720-2730	Services related to furnishings and equipment	33	371,477,115	0	8,000
	CLOTHING				
2800-2975	Clothing	2,164	24,640,624,513	0	76,860
2800-2840	Women's and girls' wear including gifts (4 years and over)	1,068	12,163,281,337	0	41,820
2840	Clothing gifts to non-household members B women and girls (4 years and over)	114	1,303,432,327	0	8,000
2850-2890	Men's and boys' wear including gifts (4 years and over)	837	9,530,817,711	0	35,100

Pub. stub no.		Average	Aggregate	Minimum	Maximum
2890	Clothing gifts to non-household members B men and boys (4 years and over)	85	968,786,751	0	6,000
2900-2920	Children's wear including gifts (under 4 years)	87	989,309,765	0	5,000
2920	Clothing gifts to non-household members B children (under 4 years)	45	517,117,559	0	5,000
2950-2960	Clothing material and notions	33	379,209,225	0	4,200
2970-2975	Clothing services	139	1,578,006,475	0	4,000
2972-2974	Laundry and dry-cleaning service, laundromats and self-service dry-cleaning	114	1,293,288,627	0	3,900
	TRANSPORTATION				
3000-3260	Transportation	6,257	71,238,644,071	-48,270	289,800
3000-3130	Private transportation	5,685	64,722,651,402	-48,270	289,800
3000-3004	Purchase of automobiles and trucks	2,088	23,766,889,258	-49,000	280,500
3010	Purchase of automotive accessories	26	296,584,673	0	4,200
3020-3040	Rented and leased automobiles and trucks	480	5,463,172,009	0	41,000
3050-3130	Operation of owned and leased automobiles and trucks	3,091	35,196,005,463	0	25,380
3050	Gasoline and other fuels	1,259	14,337,489,699	0	17,290
3070	Maintenance and repair	454	5,164,641,162	0	12,300
3080-3082	Garage rent and parking	60	688,193,431	0	5,912
3110	Private and public vehicle insurance premiums	827	9,412,017,176	0	17,400
3200-3260	Public transportation	572	6,515,992,669	0	18,120
3200-3210	Local and commuter transportation	192	2,188,410,379	0	9,200
3220-3240	Inter-city transportation	310	3,533,111,557	0	18,000
3250	Other passenger transportation	35	393,681,144	0	4,200
3260	Household moving, storage and delivery services	35	400,789,589	0	8,000
	HEALTH CARE				
3300-3384	Health care	1,160	13,210,270,555	0	29,675
3300-3362	Direct health care costs to household	815	9,274,617,546	0	29,675
3300	Health care supplies	29	334,075,997	0	6,699
3310-3312	Medicinal and pharmaceutical products	324	3,688,058,090	0	25,200
3310	Prescription drugs	197	2,239,584,775	0	25,200
3312	Other medicines and pharmaceutical products	127	1,448,473,315	0	10,000
3320	Physicians' care	13	148,599,621	0	15,000
3330-3334	Eye-care goods and services	148	1,682,935,968	0	10,085
3340	Dental services	223	2,540,654,156	0	18,000
	BLANK FIELD	0	0	0	0
3350	Hospital care	7	82,562,529	0	12,000
	BLANK FIELD	0	0	0	0
3360	Other health care practitioners	51	585,583,422	0	7,000
3362	Other medical services	19	212,147,763	0	27,000
3370-3384	Health insurance premiums	346	3,935,653,009	0	10,530
3370	Public hospital, medical and drug plans	118	1,346,052,114	0	4,608
3380-3384	Private health insurance plans	227	2,589,600,895	0	10,530
	PERSONAL CARE				
3500-3580	Personal care	676	7,696,160,000	0	7,220
3530-3560	Personal care supplies and equipment	329	3,742,160,525	0	5,460
3570-3580	Personal care services	347	3,953,999,475	0	6,300

Pub. stub no.		Average	Aggregate	Minimum	Maximum
	RECREATION				
3700-4190	Recreation	2,881	32,802,460,260	-34,949	122,778
3700-3830	Recreation equipment and associated services	898	10,225,709,989	0	23,425
3700	Sports and athletic equipment	132	1,506,250,929	0	9,000
3720-3740	Toys, electronic games and art/hobby materials	184	2,090,933,700	0	8,500
3750-3760	Computer equipment and supplies	316	3,600,499,260	0	20,000
3770-3774	Photographic goods and services	132	1,504,601,143	0	6,700
3900-3980	Recreation vehicles and associated services	448	5,095,651,477	-36,030	122,243
3900-3918	Purchase of recreation vehicles	280	3,193,032,692	-38,000	120,000
3900	Bicycles, parts and accessories	34	386,024,259	0	7,960
3910-3918	Other recreational vehicles and outboard motors	247	2,807,008,433	-38,000	120,000
3950-3980	Operation of recreational vehicles	167	1,902,618,785	0	22,220
3950	Bicycle maintenance and repairs	5	56,607,113	0	2,000
3960	Expenses for rented and leased recreational vehicles	5	61,382,722	0	3,500
3970-3980	Other recreation vehicle operation	157	1,784,628,950	0	22,220
4000-4070	Home entertainment equipment and services	509	5,794,009,545	0	89,000
4000	Audio (e.g., radio, CD player, speaker)	92	1,050,689,788	0	62,000
4010	Compact discs, audio tapes, videotapes and video-discs	123	1,394,757,531	0	6,000
4020	Blank audio and videotapes	15	174,762,728	0	1,500
4030	Televisions, VCRs, camcorders and other television/video components	137	1,559,950,991	0	25,000
4050	Rental of videotapes and video-discs	100	1,138,759,139	0	9,125
4060	Rental of home entertainment equipment and other services	2	27,273,146	0	2,112
4100-4190	Recreation services	1,027	11,687,089,249	0	34,053
4100-4140	Entertainment	502	5,716,563,520	0	7,680
4100	Movie theatres	77	870,981,094	0	2,496
4110	Live sports events (as a spectator)	31	353,462,598	0	4,444
4120	Live performing arts	63	720,919,337	0	7,200
4130	Admission to museums and other activities	31	353,604,864	0	2,500
4140	Rental of cablevision and satellite services	300	3,417,595,627	0	3,778
4150-4170	Use of recreation facilities	235	2,670,191,344	0	23,080
4150	Membership fees for sports and recreation facilities	144	1,638,679,790	0	22,280
4160	Single use fees for sports and recreation facilities	58	658,968,420	0	5,000
4170	Children's camps	24	278,826,728	0	10,000
4180	Package travel tours	274	3,119,737,245	0	33,998
4190	Other recreational services	16	180,597,140	0	5,000
	READING MATERIALS AND OTHER PRINTED MATTER				
4300-4340	Reading materials and other printed matter	271	3,087,664,661	0	9,350
4300	Newspapers	106	1,208,786,130	0	2,464
4310	Magazines and periodicals	63	720,102,101	0	2,000
4320	Books and pamphlets (excluding school books)	84	959,616,190	0	5,000

Pub. stub no.		Average	Aggregate	Minimum	Maximum
	EDUCATION				
4400-4470	Education	704	8,013,733,470	0	50,200
4400-4430	Education supplies and textbooks	129	1,472,922,221	0	8,800
4440-4450	Tuition fees	484	5,511,645,009	0	50,000
	TOBACCO PRODUCTS AND ALCOHOLIC BEVERAGES				
4500-4540	Tobacco products and alcoholic beverages	1,191	13,556,214,691	0	26,450
4500-4510	Tobacco products and smokers' supplies	551	6,276,888,690	0	10,450
4500	Cigarettes, cigars and tobacco	543	6,177,758,918	0	10,400
4520-4540	Alcoholic beverages	639	7,279,326,001	0	22,800
4520	Served on licensed premises	225	2,562,800,183	0	18,640
4530	Purchased from stores	389	4,424,776,631	0	15,400
4540	Self-made alcoholic beverages	26	291,749,187	0	6,500
	OTHER EXPENSES				
4600-4720	Miscellaneous expenditures	791	9,000,116,118	0	81,000
4630-4660	Financial services	244	2,781,844,110	0	28,900
4670	Dues to unions and professional associations	177	2,012,147,996	0	12,321
4800-4840	Games of chance (net)	243	2,772,267,355	0	22,050
4900-4930	Personal taxes	10,538	119,972,510,965	-22,480	600,000
5000-5084	Personal insurance payments and pension contributions	2,709	30,846,915,301	0	275,635
5000-5060	Life insurance premiums, annuity contracts, and transfers to RRIFs	458	5,213,548,416	0	275,635
5070	Employment insurance premiums	782	8,903,002,626	0	4,439
5080-5084	Retirement and pension fund payments	1,469	16,730,364,259	0	51,168
5080	Canada and Quebec pension plan	873	9,937,993,663	0	6,145
5082	Other government pension funds	292	3,327,377,315	0	21,729
5084	Other retirement or pension funds (excluding RRSP)	304	3,464,993,281	0	50,000
5200-5230	Gifts of money and contributions	1,153	13,128,702,757	0	318,600
5205	Gifts of money and other support payments to persons living inside Canada	436	4,964,990,793	0	140,000
5210	Gifts of money and other support payments to persons living outside Canada	80	911,201,575	0	80,000
5220	Contributions to religious organizations	263	2,998,769,995	0	33,000
5230	Contributions to non-religious charitable organizations	142	1,617,942,887	0	38,236
1000-4840	Total current consumption	35,777	407,324,284,686	-22,703	612,020
1000-5230	Total expenditure	50,177	571,272,413,709	-21,753	756,020

Part 2 of 3
Averages, Aggregates, Minimum and Maximum Values
Public-use Microdata File B SHS 1998
(Full-year Households) - REVISED

Sample Count		14,920			
Weighted Count		11,018,102			
Pub. stub no.		Average	Aggregate	Minimum	Maximum
	Purchase price of home bought in reference year	5,284	58,217,547,600	0	730,000
	Selling price of home sold in reference year	2,888	31,825,055,300	0	1,700,000
	Additions, renovations and alterations	1,018	11,213,875,671	0	114,000
	New installations of equipment and fixtures	73	803,082,200	0	10,000
	Income of reference person before taxes	30,998	341,541,629,300	-16,000	1,000,000
	Income of reference person from earnings	22,930	252,643,267,800	-20,000	1,000,000
	Income of reference person from investment	1,272	14,015,025,000	-11,000	190,000
	Income of reference person from government transfer payments	4,135	45,562,703,000	-7,000	170,000
	Income of reference person from other sources	2,677	29,495,490,400	0	280,000
	Income of spouse before taxes	16,478	181,554,900,800	-4,500	400,000
	Income of spouse from earnings	13,836	152,450,913,000	-4,500	400,000
	Income of spouse from investment	434	4,785,819,400	-17,000	280,000
	Income of spouse from government transfer payments	1,451	15,982,314,600	0	210,000
	Income of spouse from other sources	765	8,426,438,500	0	200,000
176	Household income before taxes	52,392	577,259,856,600	-3,900	1,000,000
	Household income from earnings	40,796	449,497,750,700	-10,000	1,000,000
	Household income from investment	1,804	19,874,841,900	-17,000	450,000
	Household income from government transfer payments	6,228	68,624,411,700	-7,000	220,000
	Household income from other sources	3,592	39,580,414,400	0	410,000
178	Total other money receipts	1,600	17,626,666,850	0	900,000
180	Money flows (assets, loans and other debts)	3,023	33,306,189,263	-250,000	980,000
	Registered Retirement Savings Plan (RRSP) change	1,617	17,812,316,411	-275,000	260,000
	FOOD				
1000-1560	Food	5,907	65,080,525,081	160	39,500
1000-1520	Food purchased from stores	4,590	50,572,373,525	1	33,900
1560	Food purchased from restaurants	1,281	14,111,869,444	0	32,900
	SHELTER				
2000-2052	Shelter	10,066	110,911,600,010	0	172,160
2000-2034	Principal accommodation	9,527	104,968,408,082	0	172,160
2000-2002	Rented living quarters	2,235	24,630,711,600	0	41,400
2000	Rent (amount paid)	2,176	23,979,746,029	0	38,400
2010-2028	Owned living quarters	5,760	63,464,096,799	0	172,160
2010	Regular mortgage payments	3,421	37,688,712,128	0	113,000
2011	Maintenance, repairs and replacements	404	4,453,705,116	0	55,000
2012	Condominium charges	113	1,243,109,805	0	9,600
2014	Property taxes	1,231	13,567,215,193	0	14,000
2016	Homeowners' insurance premiums	300	3,305,944,588	0	8,000

Pub. stub no.		Average	Aggregate	Minimum	Maximum
2030-2034	Water, fuel and electricity	1,531	16,873,599,682	0	15,650
2030	Water and sewage	169	1,866,646,691	0	6,000
2032	Liquid fuel (e.g., oil, gas)	449	4,946,185,268	0	11,000
2034	Electricity	913	10,060,767,723	0	8,000
2040-2052	Other accommodation	539	5,943,191,928	0	36,620
2040-2048	Owned vacation home	164	1,808,792,693	0	22,270
2050-2052	Traveller accommodation	375	4,134,399,235	0	36,620
	HOUSEHOLD OPERATION				
2200-2380	Household operation	2,347	25,864,124,192	0	40,860
2200-2230	Communications	958	10,558,158,975	0	27,700
2200-2204	Telephone	746	8,223,658,830	0	24,000
2200	Purchase of telephones and equipment	28	312,949,492	0	2,000
2202-2204	Telephone services	718	7,910,709,338	0	24,000
2210	Cellular services	111	1,224,450,985	0	4,800
2220	Internet services	48	527,934,358	0	2,625
2230	Postal and other communication services	53	582,114,802	0	6,048
2240-2244	Child care expenses	300	3,302,132,801	0	32,035
2260	Domestic and other custodial services	96	1,060,123,324	0	30,000
2270-2300	Pet expenses	270	2,972,153,919	0	25,000
2310	Household cleaning supplies	212	2,333,755,071	0	3,000
2320-2330	Paper, plastic and foil household supplies	234	2,576,416,660	0	3,600
2340-2370	Garden supplies and services	217	2,388,262,514	0	19,875
	HOUSEHOLD FURNISHINGS AND EQUIPMENT				
2500-2730	Household furnishings and equipment	1,463	16,123,287,952	0	114,900
2500-2534	Household furnishings	704	7,759,030,318	0	74,900
2500	Furniture	460	5,071,665,906	0	30,000
2510	Rugs, mats and underpadding	33	365,396,774	0	15,000
2520	Window coverings and household textiles	119	1,307,542,724	0	16,500
2530-2534	Art, antiques and decorative ware	92	1,014,424,914	0	43,900
2540-2680	Household equipment	662	7,295,540,286	0	47,045
2540-2590	Household appliances	296	3,260,523,073	0	10,500
2600-2680	Other household tools, equipment and accessories	366	4,035,017,213	0	46,325
2690-2710	Maintenance and repairs of furniture and equipment	64	701,593,157	0	9,000
2720-2730	Services related to furnishings and equipment	33	367,124,191	0	8,000
	CLOTHING				
2800-2975	Clothing	2,200	24,238,471,932	0	76,860
2800-2840	Women's and girls' wear including gifts (4 years and over)	1,087	11,979,941,198	0	41,820
2840	Clothing gifts to non-household members B women and girls (4 years and over)	116	1,277,167,355	0	8,000
2850-2890	Men's and boys' wear including gifts (4 years and over)	850	9,370,339,242	0	35,100
2890	Clothing gifts to non-household members B men and boys (4 years and over)	86	949,586,922	0	6,000
2900-2920	Children's wear including gifts (under 4 years)	88	973,174,335	0	5,000
2920	Clothing gifts to non-household members B children (under 4 years)	46	509,500,454	0	5,000
2950-2960	Clothing material and notions	34	375,557,449	0	4,200
2970-2975	Clothing services	140	1,539,459,708	0	4,000
2972-2974	Laundry and dry-cleaning service, laundromats and self-service dry-cleaning	114	1,258,531,631	0	3,900

Pub. stub no.		Average	Aggregate	Minimum	Maximum
	TRANSPORTATION				
3000-3260	Transportation	6,361	70,084,296,553	-48,270	289,800
3000-3130	Private transportation	5,786	63,746,013,715	-48,270	289,800
3000-3004	Purchase of automobiles and trucks	2,110	23,243,872,618	-49,000	280,500
3010	Purchase of automotive accessories	26	290,485,698	0	4,200
3020-3040	Rented and leased automobiles and trucks	490	5,400,717,050	0	41,000
3050-3130	Operation of owned and leased automobiles and trucks	3,159	34,810,938,349	0	25,380
3050	Gasoline and other fuels	1,289	14,205,218,362	0	17,290
3070	Maintenance and repair	463	5,106,856,636	0	12,300
3080-3082	Garage rent and parking	62	677,619,480	0	5,912
3110	Private and public vehicle insurance premiums	844	9,302,081,659	0	17,400
3200-3260	Public transportation	575	6,338,282,838	0	18,120
3200-3210	Local and commuter transportation	193	2,124,278,789	0	9,200
3220-3240	Inter-city transportation	315	3,471,568,872	0	18,000
3250	Other passenger transportation	35	387,703,739	0	4,200
3260	Household moving, storage and delivery services	32	354,731,438	0	8,000
	HEALTH CARE				
3300-3384	Health care	1,187	13,078,575,077	0	29,675
3300-3362	Direct health care costs to household	833	9,176,227,326	0	29,675
3300	Health care supplies	30	331,195,312	0	6,699
3310-3312	Medicinal and pharmaceutical products	331	3,647,790,576	0	25,200
3310	Prescription drugs	202	2,223,260,267	0	25,200
3312	Other medicines and pharmaceutical products	129	1,424,530,309	0	10,000
3320	Physicians' care	13	146,675,859	0	15,000
3330-3334	Eye-care goods and services	151	1,660,372,966	0	10,085
3340	Dental services	228	2,517,006,807	0	18,000
	BLANK FIELD	0	0	0	0
3350	Hospital care	7	82,534,917	0	12,000
	BLANK FIELD	0	0	0	0
3360	Other health care practitioners	53	580,113,148	0	7,000
3362	Other medical services	19	210,537,741	0	27,000
3370-3384	Health insurance premiums	354	3,902,347,751	0	10,530
3370	Public hospital, medical and drug plans	120	1,327,297,796	0	4,608
3380-3384	Private health insurance plans	234	2,575,049,955	0	10,530
	PERSONAL CARE				
3500-3580	Personal care	689	7,587,499,478	0	7,220
3530-3560	Personal care supplies and equipment	334	3,680,461,528	0	5,460
3570-3580	Personal care services	355	3,907,037,950	0	6,300
	RECREATION				
3700-4190	Recreation	2,929	32,271,317,408	-34,949	122,778
3700-3830	Recreation equipment and associated services	909	10,018,052,443	0	23,425
3700	Sports and athletic equipment	135	1,486,131,917	0	9,000
3720-3740	Toys, electronic games and art/hobby materials	187	2,060,590,065	0	8,500
3750-3760	Computer equipment and supplies	319	3,513,995,099	0	20,000
3770-3774	Photographic goods and services	133	1,467,667,870	0	5,100
3900-3980	Recreation vehicles and associated services	460	5,070,549,341	-36,030	122,243
3900-3918	Purchase of recreation vehicles	289	3,179,027,501	-38,000	120,000
3900	Bicycles, parts and accessories	34	378,936,918	0	7,960
3910-3918	Other recreational vehicles and outboard motors	254	2,800,090,583	-38,000	120,000
3950-3980	Operation of recreational vehicles	172	1,891,521,840	0	22,220

Pub. stub no.		Average	Aggregate	Minimum	Maximum
3950	Bicycle maintenance and repairs	5	55,734,659	0	2,000
3960	Expenses for rented and leased recreational vehicles	6	61,064,297	0	3,500
3970-3980	Other recreation vehicle operation	161	1,774,722,884	0	22,220
4000-4070	Home entertainment equipment and services	511	5,625,859,603	0	89,000
4000	Audio (e.g., radio, CD player, speaker)	91	1,007,212,230	0	62,000
4010	Compact discs, audio tapes, videotapes and video-discs	124	1,366,175,670	0	6,000
4020	Blank audio and videotapes	16	171,379,582	0	1,500
4030	Televisions, VCRs, camcorders and other television/video components	136	1,498,475,105	0	25,000
4050	Rental of videotapes and video-discs	102	1,119,279,676	0	9,125
4060	Rental of home entertainment equipment and other services	2	26,020,202	0	2,112
4100-4190	Recreation services	1,049	11,556,856,021	0	34,053
4100-4140	Entertainment	512	5,642,208,184	0	7,680
4100	Movie theatres	77	853,803,319	0	2,496
4110	Live sports events (as a spectator)	32	348,652,127	0	4,444
4120	Live performing arts	65	712,428,176	0	7,200
4130	Admission to museums and other activities	32	347,320,290	0	2,500
4140	Rental of cablevision and satellite services	307	3,380,004,272	0	3,778
4150-4170	Use of recreation facilities	240	2,645,672,711	0	23,080
4150	Membership fees for sports and recreation facilities	147	1,622,521,562	0	22,280
4160	Single use fees for sports and recreation facilities	59	653,286,851	0	5,000
4170	Children's camps	25	278,412,258	0	10,000
4180	Package travel tours	280	3,090,215,585	0	33,998
4190	Other recreational services	16	178,759,541	0	5,000
	READING MATERIALS AND OTHER PRINTED MATTER				
4300-4340	Reading materials and other printed matter	276	3,041,276,801	0	9,350
4300	Newspapers	109	1,195,944,330	0	2,464
4310	Magazines and periodicals	65	712,161,371	0	2,000
4320	Books and pamphlets (excluding school books)	85	939,014,943	0	5,000
	EDUCATION				
4400-4470	Education	710	7,820,369,514	0	50,200
4400-4430	Education supplies and textbooks	131	1,442,385,952	0	8,800
4440-4450	Tuition fees	488	5,377,664,687	0	50,000
	TOBACCO PRODUCTS AND ALCOHOLIC BEVERAGES				
4500-4540	Tobacco products and alcoholic beverages	1,213	13,361,681,648	0	26,450
4500-4510	Tobacco products and smokers' supplies	563	6,200,451,492	0	10,450
4500	Cigarettes, cigars and tobacco	554	6,102,768,921	0	10,400
4520-4540	Alcoholic beverages	650	7,161,230,156	0	22,800
4520	Served on licensed premises	227	2,501,829,247	0	18,640
4530	Purchased from stores	396	4,368,584,762	0	15,400
4540	Self-made alcoholic beverages	26	290,816,147	0	6,500

Pub. stub no.		Average	Aggregate	Minimum	Maximum
	OTHER EXPENSES				
4600-4720	Miscellaneous expenditures	803	8,849,147,853	0	81,000
4630-4660	Financial services	250	2,755,657,078	0	28,900
4670	Dues to unions and professional associations	181	1,999,641,788	0	12,321
4800-4840	Games of chance (net)	249	2,741,309,395	0	22,050
4900-4930	Personal taxes	10,812	119,125,803,901	-22,480	600,000
5000-5084	Personal insurance payments and pension contributions	2,772	30,543,905,421	0	275,635
5000-5060	Life insurance premiums, annuity contracts, and transfers to RRIFs	471	5,193,191,521	0	275,635
5070	Employment insurance premiums	798	8,791,916,845	0	4,439
5080-5084	Retirement and pension fund payments	1,503	16,558,797,055	0	51,168
5080	Canada and Quebec pension plan	892	9,829,463,033	0	6,145
5082	Other government pension funds	300	3,304,776,946	0	21,729
5084	Other retirement or pension funds (excluding RRSP)	311	3,424,557,076	0	50,000
5200-5230	Gifts of money and contributions	1,177	12,965,157,430	0	318,600
5205	Gifts of money and other support payments to persons living inside Canada	446	4,912,006,307	0	140,000
5210	Gifts of money and other support payments to persons living outside Canada	81	894,693,706	0	80,000
5220	Contributions to religious organizations	270	2,970,884,162	0	33,000
5230	Contributions to non-religious charitable organizations	145	1,600,468,810	0	38,236
1000-4840	Total current consumption	36,400	401,053,482,894	-22,703	612,020
1000-5230	Total expenditure	51,160	563,688,349,646	-21,753	756,020

Part 3 of 3
Averages and Aggregates
Unsuppressed Survey File B SHS 1998
(Full-year and Part-year Households) - REVISED

Sample count	15,457	14,920
Weighted count	11,385,222	11,017,226

Pub. stub no.		Full-Year and Part-Year Household		Full-Year Household	
		Average	Aggregate	Average	Aggregate
	Purchase price of home bought in reference year	5,705	64,957,537,163	5,316	58,565,315,819
	Selling price of home sold in reference year	-3,012	-34,297,764,799	-2,977	-32,797,725,599
	Additions, renovations and alterations	1,000	11,384,882,000	1,022	11,254,558,168
	New installations of equipment and fixtures	74	839,243,676	73	808,246,613
	Income of reference person before taxes	30,323	345,230,943,687	30,985	341,363,686,151
	Income of reference person from earnings	22,359	254,565,064,458	22,846	251,700,013,694
	Income of reference person from investment	1,278	14,555,480,509	1,305	14,376,693,330
	Income of reference person from government transfer payments	4,066	46,296,430,747	4,156	45,791,657,635
	Income of reference person from other sources	2,619	29,813,967,973	2,677	29,495,321,492
	Income of spouse before taxes	16,047	182,700,913,607	16,443	181,156,491,045
	Income of spouse from earnings	13,419	152,780,874,548	13,789	151,916,926,508
	Income of spouse from investment	415	4,729,439,206	428	4,720,664,471
	Income of spouse from government transfer payments	1,479	16,834,102,412	1,469	16,179,202,337
	Income of spouse from other sources	734	8,356,497,441	757	8,339,697,729
176	Household income before taxes	51,244	583,424,315,538	52,407	577,375,913,580
	Household income from earnings	39,741	452,456,063,753	40,683	448,210,559,748
	Household income from investment	1,800	20,496,008,305	1,843	20,304,222,281
	Household income from government transfer payments	6,191	70,481,902,610	6,286	69,255,078,774
	Household income from other sources	3,512	39,990,340,870	3,595	39,606,052,777
178	Total other money receipts	1,692	19,258,350,329	1,697	18,699,592,677
180	Money flows (assets, loans and other debts)	2,926	33,318,759,724	3,110	34,268,819,991
	Registered Retirement Savings Plan (RRSP) change	1,555	17,701,376,438	1,602	17,645,018,314
	FOOD				
1000-1560	Food	5,783	65,846,072,435	5,908	65,087,385,384
1000-1520	Food purchased from stores	4,485	51,067,255,990	4,587	50,532,122,956
1560	Food purchased from restaurants	1,263	14,385,140,516	1,286	14,163,789,679
	SHELTER				
2000-2052	Shelter	9,895	112,656,309,604	10,076	111,012,417,663
2000-2034	Principal accommodation	9,366	106,628,496,536	9,533	105,028,326,340
2000-2002	Rented living quarters	2,267	25,815,797,866	2,244	24,718,562,862
2000	Rent (amount paid)	2,208	25,135,888,790	2,184	24,062,107,692

Pub. stub no.		Full-Year and Part-Year Household		Full-Year Household	
		Average	Aggregate	Average	Aggregate
2010-2028	Owned living quarters	5,606	63,823,345,381	5,759	63,444,937,477
2010	Regular mortgage payments	3,317	37,764,692,006	3,413	37,600,822,526
2011	Maintenance, repairs and replacements	393	4,478,006,851	406	4,468,357,431
2012	Condominium charges	110	1,249,079,080	113	1,246,594,305
2014	Property taxes	1,199	13,648,753,812	1,234	13,592,945,279
2016	Homeowners' insurance premiums	292	3,323,718,144	300	3,305,229,158
2030-2034	Water, fuel and electricity	1,492	16,989,353,289	1,531	16,864,826,001
2030	Water and sewage	164	1,871,919,886	169	1,858,572,974
2032	Liquid fuel (e.g., oil, gas)	437	4,971,878,059	448	4,937,738,338
2034	Electricity	891	10,145,555,344	914	10,068,514,689
2040-2052	Other accommodation	529	6,027,813,068	543	5,984,091,323
2040-2048	Owned vacation home	157	1,784,714,595	161	1,770,173,055
2050-2052	Traveller accommodation	373	4,243,098,473	382	4,213,918,268
	HOUSEHOLD OPERATION				
2200-2380	Household operation	2,302	26,211,811,018	2,348	25,865,240,867
2200-2230	Communications	944	10,748,996,126	958	10,556,409,846
2200-2204	Telephone	735	8,369,072,570	746	8,222,191,614
2200	Purchase of telephones and equipment	29	328,427,442	29	314,271,034
2202-2204	Telephone services	706	8,040,645,128	718	7,907,920,580
2210	Cellular services	110	1,251,232,766	111	1,226,411,306
2220	Internet services	47	533,486,679	48	527,093,804
2230	Postal and other communication services	52	595,204,111	53	580,713,122
2240-2244	Child care expenses	291	3,316,344,748	298	3,288,238,481
2260	Domestic and other custodial services	96	1,090,913,939	98	1,083,121,059
2270-2300	Pet expenses	263	2,997,129,833	270	2,970,238,845
2310	Household cleaning supplies	207	2,353,869,013	211	2,328,065,391
2320-2330	Paper, plastic and foil household supplies	229	2,610,804,747	233	2,571,358,828
2340-2370	Garden supplies and services	212	2,413,166,416	218	2,397,430,592
	HOUSEHOLD FURNISHINGS AND EQUIPMENT				
2500-2730	Household furnishings and equipment	1,485	16,912,249,021	1,478	16,283,647,966
2500-2534	Household furnishings	727	8,280,955,118	713	7,860,326,268
2500	Furniture	482	5,482,311,339	465	5,123,319,758
2510	Rugs, mats and underpadding	34	384,786,692	34	376,995,433
2520	Window coverings and household textiles	118	1,345,235,847	119	1,309,058,445
2530-2534	Art, antiques and decorative ware	94	1,068,621,240	95	1,050,952,632
2540-2680	Household equipment	663	7,545,965,966	667	7,350,496,491
2540-2590	Household appliances	296	3,374,827,829	297	3,269,558,836
2600-2680	Other household tools, equipment and accessories	83	945,130,297	84	929,531,175
2690-2710	Maintenance and repairs of furniture and equipment	62	711,523,381	64	703,450,591
2720-2730	Services related to furnishings and equipment	33	373,804,556	34	369,374,616
	CLOTHING				
2800-2975	Clothing	2,164	24,641,062,810	2,200	24,238,673,953
2800-2840	Women's and girls' wear including gifts (4 years and over)	1,069	12,172,369,033	1,088	11,988,792,319

Pub. stub no.		Full-Year and Part-Year Household		Full-Year Household	
		Average	Aggregate	Average	Aggregate
2840	Clothing gifts to non-household members B women and girls (4 years and over)	114	1,298,313,418	115	1,271,932,246
2850-2890	Men's and boys' wear including gifts (4 years and over)	836	9,515,825,244	849	9,355,674,790
2890	Clothing gifts to non-household members B men and boys (4 years and over)	85	962,581,496	86	943,278,217
2900-2920	Children's wear including gifts (under 4 years)	87	987,606,775	88	971,513,740
2920	Clothing gifts to non-household members B children (under 4 years)	45	517,360,364	46	509,785,449
2950-2960	Clothing material and notions	25	279,423,364	25	276,916,705
2970-2975	Clothing services	139	1,582,457,864	140	1,543,868,857
2972-2974	Laundry and dry-cleaning service, laundromats and self-service dry-cleaning	71	809,060,581	72	797,196,478
	TRANSPORTATION				
3000-3260	Transportation	6,291	71,628,456,051	6,394	70,440,457,640
3000-3130	Private transportation	5,719	65,115,021,425	5,819	64,104,841,748
3000-3004	Purchase of automobiles and trucks	2,118	24,110,233,386	2,139	23,564,492,787
3010	Purchase of automotive accessories	26	296,642,766	26	290,446,467
3020-3040	Rented and leased automobiles and trucks	482	5,493,361,402	493	5,428,435,473
3050-3130	Operation of owned and leased automobiles and trucks	3,093	35,214,783,871	3,161	34,821,467,021
3050	Gasoline and other fuels	1,258	14,327,655,977	1,288	14,193,467,111
3070	Maintenance and repair	454	5,170,378,486	464	5,108,747,286
3080-3082	Garage rent and parking	60	685,935,745	61	675,467,229
3110	Private and public vehicle insurance premiums	829	9,442,589,216	847	9,330,860,465
3200-3260	Public transportation	572	6,513,434,626	575	6,335,615,892
3200-3210	Local and commuter transportation	147	1,675,061,196	147	1,624,107,974
3220-3240	Inter-city transportation	281	3,197,422,353	286	3,150,241,122
3250	Other passenger transportation	35	395,154,474	35	389,187,869
3260	Household moving, storage and delivery services	35	399,606,604	32	353,073,653
	HEALTH CARE				
3300-3384	Health care	1,163	13,237,948,068	1,189	13,102,597,558
3300-3362	Direct health care costs to household	817	9,303,416,409	835	9,201,873,785
3300	Health care supplies	29	335,651,549	30	332,172,233
3310-3312	Medicinal and pharmaceutical products	324	3,689,799,283	331	3,648,859,661
3310	Prescription drugs	197	2,239,220,463	202	2,222,665,355
3312	Other medicines and pharmaceutical products	127	1,450,578,820	129	1,426,194,306
3320	Physicians' care	13	144,640,620	13	142,714,318
3330-3334	Eye-care goods and services	148	1,687,390,195	151	1,664,852,393
3340	Dental services	224	2,546,439,148	229	2,522,756,999
	BLANK FIELD	0	0	0	0
3350	Hospital care	8	95,609,874	9	95,582,262
	BLANK FIELD	0	0	0	0
3360	Other health care practitioners	52	588,819,912	53	581,509,788
3362	Other medical services	19	215,065,828	19	213,426,131
3370-3384	Health insurance premiums	346	3,934,531,659	354	3,900,723,773

Pub. stub no.		Full-Year and Part-Year Household		Full-Year Household	
		Average	Aggregate	Average	Aggregate
3370	Public hospital, medical and drug plans	119	1,350,955,781	121	1,331,723,735
3380-3384	Private health insurance plans	227	2,583,575,878	233	2,569,000,038
	PERSONAL CARE				
3500-3580	Personal care	676	7,698,095,993	689	7,589,871,557
3530-3560	Personal care supplies and equipment	328	3,734,096,430	333	3,672,889,839
3570-3580	Personal care services	348	3,963,999,563	356	3,916,981,718
	RECREATION				
3700-4190	Recreation	2,874	32,718,104,924	2,921	32,183,958,762
3700-3830	Recreation equipment and associated services	895	10,184,506,360	906	9,978,338,121
3700	Sports and athletic equipment	132	1,500,171,343	134	1,479,870,696
3720-3740	Toys, electronic games and art/hobby materials	103	1,171,205,246	105	1,154,651,579
3750-3760	Computer equipment and supplies	315	3,591,431,511	318	3,504,180,070
3770-3774	Photographic goods and services	132	1,503,329,513	133	1,468,615,030
3900-3980	Recreation vehicles and associated services	437	4,976,465,339	449	4,949,384,559
3900-3918	Purchase of recreation vehicles	275	3,125,991,638	282	3,110,318,797
3900	Bicycles, parts and accessories	34	382,185,634	34	375,092,443
3910-3918	Other recreational vehicles and outboard motors	241	2,743,806,004	248	2,735,226,354
3950-3980	Operation of recreational vehicles	163	1,850,473,701	167	1,839,065,762
3950	Bicycle maintenance and repairs	5	56,543,114	5	55,670,660
3960	Expenses for rented and leased recreational vehicles	5	61,515,618	6	61,197,193
3970-3980	Other recreation vehicle operation	152	1,732,414,969	156	1,722,197,909
4000-4070	Home entertainment equipment and services	512	5,825,361,067	513	5,655,211,186
4000	Audio (e.g., radio, CD player, speaker)	95	1,076,672,401	94	1,032,514,843
4010	Compact discs, audio tapes, videotapes and video-discs	122	1,388,548,601	123	1,359,867,028
4020	Blank audio and videotapes	15	174,409,974	16	170,791,548
4030	Televisions, VCRs, camcorders and other television/video components	138	1,575,725,948	137	1,514,603,796
4050	Rental of videotapes and video-discs	100	1,134,136,518	101	1,114,889,349
4060	Rental of home entertainment equipment and other services	2	27,216,276	2	25,963,332
4100-4190	Recreation services	1,030	11,731,772,158	1,053	11,601,024,896
4100-4140	Entertainment	502	5,711,760,576	512	5,637,027,910
4100	Movie theatres	76	870,699,201	77	853,549,726
4110	Live sports events (as a spectator)	31	351,691,578	31	346,881,107
4120	Live performing arts	63	722,191,279	65	713,521,278
4130	Admission to museums and other activities	31	353,581,846	32	347,300,872
4140	Rental of cablevision and satellite services	300	3,413,596,672	306	3,375,774,927
4150-4170	Use of recreation facilities	236	2,691,285,562	242	2,666,798,779
4150	Membership fees for sports and recreation facilities	146	1,658,683,788	149	1,642,561,560
4160	Single use fees for sports and recreation facilities	58	659,477,497	59	653,791,778
4170	Children's camps	25	279,151,103	25	278,736,633
4180	Package travel tours	276	3,144,951,502	283	3,115,429,842
4190	Other recreational services	16	183,774,518	16	181,768,365

Pub. stub no.		Full-Year and Part-Year Household		Full-Year Household	
		Average	Aggregate	Average	Aggregate
	READING MATERIALS AND OTHER PRINTED MATTER				
4300-4340	Reading materials and other printed matter	271	3,084,636,831	276	3,038,308,983
4300	Newspapers	106	1,208,725,342	109	1,195,791,194
4310	Magazines and periodicals	63	718,048,482	64	710,193,602
4320	Books and pamphlets (excluding school books)	84	959,228,540	85	938,702,103
	EDUCATION				
4400-4470	Education	707	8,045,736,342	713	7,854,008,366
4400-4430	Education supplies and textbooks	46	523,667,127	46	512,082,796
4440-4450	Tuition fees	487	5,544,585,829	491	5,413,629,507
	TOBACCO PRODUCTS AND ALCOHOLIC BEVERAGES				
4500-4540	Tobacco products and alcoholic beverages	1,189	13,536,376,337	1,211	13,342,798,310
4500-4510	Tobacco products and smokers' supplies	548	6,244,110,839	560	6,168,062,151
4500	Cigarettes, cigars and tobacco	540	6,144,839,401	551	6,070,278,666
4520-4540	Alcoholic beverages	641	7,292,265,498	651	7,174,736,159
4520	Served on licensed premises	226	2,570,265,158	228	2,509,675,339
4530	Purchased from stores	389	4,431,271,989	397	4,375,265,509
4540	Self-made alcoholic beverages	26	290,728,351	26	289,795,311
	OTHER EXPENSES				
4600-4720	Miscellaneous expenditures	803	9,137,680,459	814	8,973,226,063
4630-4660	Financial services	247	2,807,259,277	252	2,781,047,843
4670	Dues to unions and professional associations	176	2,005,204,689	181	1,992,971,876
4800-4840	Games of chance (net)	242	2,757,027,176	247	2,726,751,078
4900-4930	Personal taxes	10,545	120,056,947,871	10,820	119,209,194,379
5000-5084	Personal insurance payments and pension contributions	2,698	30,722,907,886	2,761	30,419,784,455
5000-5060	Life insurance premiums, annuity contracts, and transfers to RRIFs	371	4,223,819,307	382	4,203,527,981
5070	Employment insurance premiums	781	8,888,625,521	797	8,777,604,332
5080-5084	Retirement and pension fund payments	1,463	16,659,154,004	1,497	16,487,343,088
5080	Canada and Quebec pension plan	871	9,921,881,897	891	9,813,401,707
5082	Other government pension funds	291	3,309,682,801	298	3,287,082,432
5084	Other retirement or pension funds (excluding RRSP)	301	3,427,589,306	307	3,386,858,949
5200-5230	Gifts of money and contributions	1,128	12,838,115,003	1,150	12,671,005,926
5205	Gifts of money and other support payments to persons living inside Canada	434	4,946,177,332	444	4,889,631,846
5210	Gifts of money and other support payments to persons living outside Canada	70	799,756,189	71	783,248,320
5220	Contributions to religious organizations	263	2,991,979,367	269	2,964,093,534
5230	Contributions to non-religious charitable organizations	142	1,619,803,517	145	1,602,326,690
1000-4840	Total current consumption	35,846	408,111,567,069	36,450	411,186,315,630
1000-5230	Total expenditure	50,217	571,729,537,829	51,362	579,408,516,378

APPENDIX C

Inclusion of Spending Variables in Past Microdata Files

The v 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	v	v	v	v	v	v	v	v
Food purchased from stores	v	v	v	v	v	v	v	v
Food purchased from restaurants, etc.	v	v	v	v	v	v	v	v
Shelter	v	v	v	v	v	v	v	v
Principal accommodation	v	v	v	v	v	v	v	v
Rented living quarters	v	v	v	v	v	v	v	v
Rent (amount paid)	v	v	v	v	v	v	v	v
Owned living quarters	v	v	v	v	v	v	v	v
Regular mortgage payments						v	v	v
Maintenance, repairs and replacements	v	v	v	v	v	v	v	v
Condominium charges						v	v	v
Property taxes	v	v	v	v	v	v	v	v
Homeowners' insurance premiums	v	v	v	v	v	v	v	v
Mortgage interest	v	v	v	v	v	v		
Water, fuel and electricity	v	v	v	v	v	v	v	v
Water and sewage						v	v	v
Fuels							v	v
Fuel oil and other liquid fuel	v	v	v	v	v	v		
Natural gas	v	v	v	v	v	v		
Other fuels	v	v	v	v	v	v		
Electricity	v	v	v	v	v	v	v	v
Other accommodation	v	v	v	v	v	v	v	v
Owned vacation home						v	v	v
Traveller accommodation	v	v	v	v	v	v	v	v
Household Operation	v	v	v	v	v	v	v	v
Communications	v	v	v	v	v	v	v	v
Telephone	v	v	v	v	v	v	v	v
Purchase of telephones, etc.							v	v
Telephone services				v	v	v	v	v
Basic charge		v	v	v	v	v		
Long distance toll charges		v	v	v	v	v		
Cellular services						v	v	v
Internet services						v	v	v
Postal and other communication services (excluding parcels)						v	v	v
Child care expenses	v	v	v	v	v	v	v	v
Domestic and other custodial services						v	v	v

Description	1982	1984	1986	1990	1992	1996	1997	1998
	Family Expenditure Survey						SHS	
Pet expenses	v	v	v	v	v	v	v	v
Household cleaning supplies	v	v	v	v	v	v	v	v
Paper, plastic and foil household supplies	v	v	v	v	v	v		v
Garden supplies and services (excluding tools)					v	v	v	v
Household furnishings and equipment	v	v	v	v	v	v	v	v
Household furnishings	v	v	v	v	v	v	v	v
Furniture	v	v	v	v	v	v	v	v
Rugs, mats and underpadding							v	v
Window coverings and household textiles							v	v
Household textiles and related materials	v	v	v	v	v	v		
Other household textiles and related materials						v		
Art, antiques and decorative ware							v	v
Household equipment	v	v	v	v	v	v	v	v
Household appliances	v	v	v	v	v	v	v	v
Other household tools, equipment and accessories							v	v
Maintenance and repairs of furniture and equipment						v	v	v
Services related to furnishings and equipment	v	v	v	v	v		v	v
Clothing	v	v	v	v	v	v	v	v
Women's and girl's wear including gifts (age 4 years and over)							v	v
Women's wear (14 years and over)	v	v	v	v	v	v		
Girls' wear (4-13 years)	v	v	v	v	v	v		
Clothing gifts – Women and girls							v	v
Men's and boy's wear including gifts (age 4 years and over)							v	v
Men's wear (14 years and over)	v	v	v	v	v	v		
Boys' wear (4-13 years)	v	v	v	v	v	v		
Clothing gifts – Men and boys							v	v
Children's wear including gifts (under 4 years)							v	v
Infants' wear (under 4 years)	v	v	v	v	v	v		
Clothing gifts – Children under 4 years							v	v
Clothing materials and notions							v	v
Clothing materials, notions and related services	v	v	v	v	v	v		
Clothing services	v	v	v	v	v	v	v	v
Laundry and dry-cleaning	v	v	v	v	v	v	v	v
Transportation	v	v	v	v	v	v	v	v
Private transportation	v	v	v	v	v	v	v	v
Purchase of automobiles and trucks	v	v	v	v	v	v	v	v
Accessories and attachments for automobiles and trucks							v	v
Rented and leased automobiles and trucks						v	v	v
Operation of owned and leased automobiles and trucks	v	v	v	v	v	v	v	v

Description	1982	1984	1986	1990	1992	1996	1997	1998
	Family Expenditure Survey						SHS	
Gasoline and other fuels	v	v	v	v	v	v	v	v
Maintenance and repair jobs		v	v	v	v	v	v	v
Garage rent and parking						v	v	v
Private and public vehicle insurance premiums		v	v	v	v	v	v	v
Public transportation	v	v	v	v	v	v	v	v
Local and commuter transportation	v	v	v	v	v	v	v	v
Inter-city transportation		v	v	v	v	v	v	v
Airplane		v	v	v	v	v		
Other passenger transportation							v	v
Household movers, storage and delivery services						v	v	v
Health care	v	v	v	v	v	v	v	v
Direct costs to household	v	v	v	v	v	v	v	v
Health care supplies					v	v	v	v
Medicinal and pharmaceutical products	v	v	v	v	v	v	v	v
Prescription drugs		v	v	v	v	v	v	v
Other medicines, drugs and pharmaceutical products							v	v
Other direct costs to family		v	v	v	v			
Physicians' care							v	v
Eye-care goods and services	v	v	v	v	v	v	v	v
Eye glasses					v			
Prescription contact lenses					v			
Dental care	v	v	v	v	v	v	v	v
Orthodontic and periodontic procedures					v			
Hospital and other health care services					v	v	v	
Hospital care						v	v	v
Other health care services					v	v	v	
Other health care practitioners					v	v	v	v
Other medical services							v	v
Health insurance premiums	v	v	v	v	v	v	v	v
Public hospital, medical and drugs insurance plans		v	v	v	v	v	v	v
Private health care insurance plans		v	v	v	v	v	v	v
Supplementary coverage					v			
Personal care	v	v	v	v	v	v	v	v
Personal care supplies and equipment	v	v	v	v	v	v	v	v
Toilet preparations and cosmetics	v	v	v	v	v	v		
Hair grooming and other personal care services	v	v	v	v	v	v	v	v
Recreation	v	v	v	v	v	v	v	v
Recreation equipment and associated services	v	v	v	v	v	v	v	v
Sporting and athletic equipment					v	v	v	v
Toys, games and hobby equipment		v	v	v	v	v	v	v*
Computer equipment and supplies						v	v	v
Photographic goods and services		v	v	v	v	v	v	v
Recreation vehicles and associated services	v	v	v	v	v	v	v	v

Description	1982	1984	1986	1990	1992	1996	1997	1998
	Family Expenditure Survey						SHS	
Purchase of recreation vehicles		v	v	v	v	v	v	v
Bicycles, parts and accessories					v	v	v	v
Purchase of other vehicles and outboard motors						v	v	v
Operation of recreational vehicles					v	v	v	v
Bicycle maintenance and repairs						v	v	v
Other recreational vehicle operation					v	v	v	v
Expenses for rented and leased recreational vehicles							v	v
Home entertainment equipment and services	v	v	v	v	v	v	v	v
Audio components					v	v	v	v
Audio combinations and radios					v	v		
Compact discs, audio tapes and records					v	v	v	v
Blank audio and video tapes							v	v
Blank audio tapes					v	v		
Television sets, VCRs, camcorders and other television/video components					v		v	v
Television sets						v		
VCR's, camcorders and other television/video components						v		
Pre-recorded videotapes and video discs					v	v		
Blank videotapes					v	v		
Rental of videotapes and video discs						v	v	v
Rental of home entertainment equipment and other services						v	v	v
Recreation services	v	v	v	v	v	v	v	v
Entertainment (formerly Spectator entertainment performances)	v	v	v	v	v	v	v	v
Movie theatres					v	v	v	v
Live sports events					v	v	v	v
Live performing arts					v	v	v	v
Rental of cablevision and satellite services						v	v	v
Rental of cablevision					v			
Rental of satellite services					v			
Use of recreation facilities		v	v	v	v	v	v	v
Membership fees and dues					v	v	v	v
Fees for single usage					v	v	v	v*
Children's camps						v	v	v
Admission to museums and other activities and venues					v	v	v	v
Package travel tours	v	v	v	v	v	v	v	v
Sightseeing tours and excursion packages						v		
Other cultural and recreational services							v	v
Reading materials and other printed matter	v	v	v	v	v	v	v	v
Newspapers							v	v
Magazines and periodicals							v	v
Books and pamphlets (excluding school books)							v	v
Education	v	v	v	v	v	v	v	v

Description	1982	1984	1986	1990	1992	1996	1997	1998
	Family Expenditure Survey						SHS	
Education supplies and textbooks							v	v
Tuition fees	v	v	v	v	v	v	v	v
Tobacco products and alcoholic beverages	v	v	v	v	v	v	v	v
Tobacco products and smokers' supplies	v	v	v	v	v	v	v	
Cigarettes	v	v	v	v	v			v
Cigarettes, cigars and similar products						v	v	v
Alcoholic beverages	v	v	v	v	v	v	v	v
Alcoholic beverages served on licensed premises	v	v	v	v	v	v	v	v
Alcoholic beverages purchased from stores	v	v	v	v	v	v	v	v
Self-made alcoholic beverages							v	v
Miscellaneous expenditures (content may vary)	v	v	v	v	v	v	v	v
Interest on personal loans	v	v	v	v	v	v		
Financial services							v	v
Dues to unions and professional associations	v	v	v	v	v	v	v	v
Games of chance expenses						v	v	v
Government-run pool and lottery tickets	v	v	v	v	v	v		
Personal taxes	v	v	v	v	v	v	v	v
Personal insurance payments and pension contributions	v	v	v	v	v	v	v	v
Life insurance premiums, annuity contracts and transfers to RRIFs							v	v
Life insurance premiums	v	v	v	v	v	v	v	v
Annuity contracts						v		
Employment insurance (EI) (Deductions from pay)	v	v	v	v	v	v	v	v
Retirement and pension fund payments	v	v	v	v	v	v	v	v
Canada and Quebec pension plan	v	v	v	v	v	v	v	v
Other government retirement and pension funds	v	v	v	v	v	v	v	v
Other retirement and pension funds (excluding RRSPs)	v	v	v	v	v	v	v	v
Gifts and contributions	v	v	v	v	v	v		
Money gifts and contributions (includes "other" gifts)	v	v	v	v	v	v		
Money gifts and contributions to persons inside and outside Canada		v	v	v	v			
Money and support payments to persons inside Canada							v	v
Money and support payments to persons outside Canada							v	v
Other gifts e.g., flowers, clothing, toys	v	v	v	v	v	v		
Charities	v	v	v	v	v	v		
Contribution to religious charity	v	v	v	v	v	v	v	v
Contribution to non-religious charity	v	v	v	v	v	v	v	v
Total value of gifts received	v	v	v	v	v	v		

* 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 1a

Coefficients of Variation (%) for Dwelling Characteristics and Household Equipment, Canada, from Newfoundland to Ontario, 1998 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Estimated number of households	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average household income before tax	0.64	1.47	1.41	1.28	1.05	1.17	1.29
Average household size	0.13	0.37	0.42	0.38	0.31	0.23	0.27
Average number of rooms per dwelling	0.41	0.99	1.65	0.98	1.19	0.81	0.86
Dwelling Characteristics							
Dwelling type							
Single detached	1.09	2.20	3.27	2.26	2.47	2.40	2.32
Single attached	5.28	14.46	21.83	16.48	18.49	8.36	9.48
Apartment	1.82	9.86	9.66	7.15	8.85	2.37	4.30
Other	8.29	27.57	27.69	17.88	17.03	20.73	26.75
Dwelling repairs							
Major	3.80	12.11	16.36	7.38	8.90	7.50	8.38
Minor	2.64	8.46	11.37	7.46	8.03	5.13	5.81
None	0.71	1.94	2.42	2.41	2.49	1.31	1.47
Tenure							
Owned	0.87	1.87	3.34	2.08	2.16	1.73	1.88
With mortgage	1.66	5.21	6.35	4.18	3.62	3.13	3.46
Without mortgage	1.60	3.04	5.75	3.65	4.25	3.38	3.45
Rented	1.62	5.84	7.87	5.28	5.85	2.30	3.75
Year of move							
1998	2.71	7.95	12.93	7.68	8.88	5.25	5.64
1993 - 1997	1.74	5.96	7.27	4.38	6.33	3.50	3.71
Before 1993	1.21	2.26	3.60	2.28	2.60	2.14	2.63
Period of construction							
1991 - 1998	6.36	11.27	15.17	12.02	14.19	10.46	14.56
1981 - 1990	3.00	7.73	10.03	6.79	7.30	5.83	6.44
1971 - 1980	2.50	5.82	8.59	7.04	6.23	5.04	5.89
1961 - 1970	2.92	7.80	14.57	10.23	8.01	5.37	6.08
1946 - 1960	3.02	8.00	14.09	9.85	8.98	5.33	6.20
Before 1946	3.32	9.55	7.87	6.61	8.15	5.90	6.39
Number of rooms							
1-4	1.86	7.86	8.91	6.00	7.14	2.92	4.33
5	2.61	7.16	8.27	7.23	6.12	4.43	6.18
6	2.78	5.93	10.49	6.74	7.36	5.87	5.30
7 or more	1.50	3.77	6.22	3.77	4.58	3.41	3.10
Bathrooms							
1	0.92	1.67	2.14	1.65	1.64	1.30	2.09
2 or more	1.63	6.10	8.88	6.45	6.30	3.81	3.42

Technical Table 1a
Coefficients of Variation (%) for Dwelling Characteristics and Household Equipment,
Canada, from Newfoundland to Ontario, 1998 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Principal heating equipment							
Steam or hot water furnaces	3.30	11.45	4.10	5.91	11.40	7.05	7.59
Forced hot air furnaces	1.14	6.15	6.31	4.30	7.39	5.53	1.86
Other hot air furnaces	8.84	27.24	31.79	34.54	18.14	15.96	18.78
Heating stoves	5.53	10.69	18.20	10.16	9.24	8.77	18.89
Electric heating	1.86	3.90	32.18	6.17	3.84	2.00	7.55
Other	24.54	61.33	105.71	42.41	57.17	99.99	45.85
Age of principal heating equipment							
5 years or less	3.21	6.67	7.43	6.38	6.89	6.52	6.33
6 to 10 years	2.94	7.16	9.56	6.59	7.28	6.00	5.80
Over 10 years	1.15	3.56	4.69	3.61	2.99	1.64	2.83
Principal heating fuel							
Oil or other liquid fuel	3.46	5.90	2.17	3.23	7.76	5.58	8.49
Piped gas	1.54	0.00	0.00	0.00	0.00	10.02	2.69
Bottled gas	13.63	51.60	44.84	25.79	58.53	54.77	25.41
Electricity	1.71	3.87	30.83	5.95	3.41	1.76	6.79
Wood	7.01	8.62	14.10	7.65	5.92	6.53	32.47
Other	30.99	102.75	100.07	49.92	102.69	59.63	0.00
Principal heating fuel for hot water							
Oil or other liquid fuel	4.76	10.67	2.93	4.63	10.82	9.92	14.11
Piped gas	1.58	0.00	0.00	0.00	0.00	10.06	2.74
Electricity	1.35	1.64	8.99	3.22	1.11	1.00	5.05
Other heating fuel or no running hot water	19.49	30.10	15.33	14.70	22.76	50.32	45.18
Principal fuel to cook							
Piped gas	5.50	0.00	0.00	0.00	0.00	21.24	8.03
Electricity	0.36	0.68	1.51	1.23	0.61	0.32	0.89
Other cooking fuel	11.44	17.02	13.82	14.11	33.34	26.02	38.44
Household Equipment (at December 31)							
Washing machine							
Automatic	0.61	1.37	2.02	1.72	1.90	0.89	1.44
Other	10.25	10.59	21.35	16.77	28.64	46.82	23.99
Clothes dryer	0.61	1.23	2.13	1.76	1.92	0.97	1.42
Dishwasher							
Built in	1.33	5.32	5.78	4.75	5.17	2.43	2.92
Portable	4.25	16.22	20.65	12.01	13.92	10.36	8.57
Refrigerators							
1	0.63	1.24	1.15	1.14	1.12	1.10	1.40
2 or more	2.14	8.49	14.04	8.97	8.55	4.52	4.07
Freezer	0.88	1.44	3.34	2.22	2.31	2.15	1.81
Microwave oven	0.41	1.24	1.50	1.06	0.93	0.85	0.83

Technical Table 1a
Coefficients of Variation (%) for Dwelling Characteristics and Household Equipment,
Canada, from Newfoundland to Ontario, 1998 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Air conditioner							
Window	3.78	71.45	27.43	18.05	16.08	6.53	6.21
Central	2.76	28.54	48.34	26.65	19.92	8.49	3.53
Telephones							
1	2.07	5.73	6.83	5.40	5.19	3.90	4.39
2	1.66	4.26	5.41	4.94	3.81	3.23	3.62
3 or more	1.39	4.10	5.49	3.89	5.05	3.08	2.66
Cellular Telephone	1.94	7.85	10.86	6.15	6.45	5.35	3.69
Compact disc player	0.70	1.94	2.95	2.30	2.14	1.47	1.42
Cablevision	1.03	1.99	3.92	1.99	2.22	1.77	2.35
Video cassette recorders							
1	0.93	2.62	2.98	2.83	2.54	1.82	1.88
2 or more	1.80	5.58	8.67	5.32	5.34	3.75	3.73
Home computer	1.25	3.93	5.48	3.59	4.10	2.83	2.45
Modem	1.73	4.62	7.33	5.23	5.49	4.02	3.39
Internet use from home	2.06	5.43	8.89	6.18	6.16	4.89	4.00
Colour televisions							
1	1.28	3.58	5.77	3.69	3.85	2.70	2.61
2	1.51	3.83	5.12	3.97	3.64	2.85	3.15
3 or more	2.18	4.59	7.96	6.14	6.67	4.70	4.25
Owned vehicles (automobiles, trucks and minivans)							
1	1.34	3.97	4.74	3.56	3.78	2.34	2.89
2 or more	1.36	4.46	4.83	4.06	3.87	3.15	2.89
Owned automobiles							
1	1.23	3.54	3.96	3.03	3.14	2.41	2.65
2 or more	2.22	10.43	8.75	8.10	7.28	4.60	4.18
Owned trucks and minivans							
1	1.79	4.58	8.29	4.95	4.28	4.60	3.79
2 or more	4.25	15.02	19.44	15.60	12.25	15.83	10.20
Leased vehicles (automobiles, trucks and minivans)							
1	4.14	11.37	17.44	12.59	10.39	6.42	8.25
2 or more	14.08	46.26	40.41	50.35	34.37	25.09	23.83

0.00 = item not reported

Technical Table 1b
Coefficients of Variation (%) for Dwelling Characteristics and Household Equipment, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
Estimated number of households	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average household income before tax	1.42	1.18	1.12	1.42	5.83	6.05	6.19
Average household size	0.28	0.30	0.28	0.40	1.36	0.93	0.79
Average number of rooms per dwelling	1.06	0.95	0.81	0.92	3.84	3.75	3.09
Dwelling Characteristics							
Dwelling type							
Single detached	2.48	1.85	2.20	2.48	13.74	18.07	6.14
Single attached	13.76	18.19	10.00	9.34	55.68	38.31	14.43
Apartment	6.70	6.53	6.49	3.91	34.76	33.48	59.35
Other	28.79	15.86	17.14	19.82	48.12	33.92	0.00
Dwelling repairs							
Major	8.75	10.00	10.10	9.31	16.06	7.78	21.08
Minor	5.78	5.99	5.89	6.31	13.42	27.63	17.05
None	2.18	1.83	1.82	1.56	4.82	8.10	6.56
Tenure							
Owned							
With mortgage	4.11	4.60	3.33	3.11	8.71	14.21	19.47
Without mortgage	3.45	3.15	3.61	3.98	14.92	26.16	24.92
Rented	5.04	4.05	4.24	3.18	18.27	12.49	1.75
Year of move							
1998	7.29	6.65	5.46	6.59	20.48	17.89	19.65
1993 - 1997	3.65	4.20	3.87	3.03	11.00	10.17	10.91
Before 1993	2.24	2.52	3.06	2.76	11.16	12.76	16.66
Period of construction							
1991 - 1998	17.47	16.95	13.79	6.65	22.56	36.80	13.93
1981 - 1990	8.84	7.67	7.05	6.84	21.23	20.61	9.36
1971 - 1980	7.91	5.37	4.91	4.55	12.95	14.44	12.29
1961 - 1970	6.80	7.01	7.66	6.24	21.80	15.72	19.02
1946 - 1960	7.27	7.40	7.88	7.12	45.91	48.50	64.52
Before 1946	7.80	8.27	10.66	10.04	66.89	98.95	0.00
Number of rooms							
1-4	4.80	4.99	5.48	3.56	14.44	18.18	16.50
5	5.21	5.93	5.62	5.99	17.87	16.75	16.10
6	7.01	6.59	5.91	6.67	25.60	10.44	18.51
7 or more	3.65	2.88	2.41	2.99	12.64	24.28	21.32
Bathrooms							
1	2.13	2.48	2.85	2.53	10.44	6.61	0.83
2 or more	4.28	3.66	2.74	2.54	15.00	14.39	36.26

Technical Table 1b
Coefficients of Variation (%) for Dwelling Characteristics and Household
Equipment, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
Principal heating equipment							
Steam or hot water furnaces	10.68	7.67	7.95	6.16	30.34	27.05	26.47
Forced hot air furnaces	2.53	1.57	1.37	3.06	10.19	12.32	27.04
Other hot air furnaces	19.07	22.30	22.49	19.84	40.24	48.70	52.65
Heating stoves	26.13	30.05	32.43	16.45	25.43	42.95	108.05
Electric heating	6.21	17.51	29.11	4.84	21.73	38.53	72.11
Other	64.85	0.00	0.00	28.70	73.87	107.66	0.00
Age of principal heating equipment							
5 years or less	7.14	7.19	5.53	5.66	9.65	24.74	30.56
6 to 10 years	7.86	7.63	7.86	6.17	21.81	14.31	21.74
Over 10 years	2.28	1.91	2.72	2.19	8.70	11.64	7.02
Principal heating fuel							
Oil or other liquid fuel	24.46	20.45	31.35	9.90	8.82	4.69	3.90
Piped gas	2.74	2.21	0.57	3.01	0.00	0.00	0.00
Bottled gas	29.03	33.95	24.73	24.86	39.59	20.56	0.00
Electricity	4.82	14.40	19.12	4.32	20.83	34.08	72.36
Wood	20.52	27.34	35.68	17.45	25.27	57.20	0.00
Other	0.00	100.16	0.00	69.72	189.13	0.00	0.00
Principal heating fuel for hot water							
Oil or other liquid fuel	100.87	41.19	53.17	20.47	30.80	12.80	9.24
Piped gas	3.20	2.35	0.91	3.12	0.00	0.00	0.00
Electricity	3.65	8.63	11.11	3.76	3.76	13.52	44.93
Other heating fuel or no running hot water	23.29	32.86	29.72	30.06	32.67	30.08	107.22
Principal fuel to cook							
Piped gas	18.18	19.30	10.03	9.30	0.00	0.00	0.00
Electricity	0.52	0.39	0.95	0.80	1.19	1.31	0.00
Other cooking fuel	51.84	60.03	37.57	25.50	38.35	49.64	0.00
Household Equipment (at December 31)							
Washing machine							
Automatic	1.75	1.51	1.26	1.37	6.16	6.97	8.80
Other	23.66	22.13	26.19	29.57	46.84	65.73	68.63
Clothes dryer	1.72	1.41	1.16	1.47	6.11	8.30	7.68
Dishwasher							
Built in	3.70	3.69	2.73	2.68	11.80	19.90	24.55
Portable	9.09	8.78	8.43	9.73	29.07	28.97	39.87
Refrigerators							
1	1.69	2.05	1.62	1.37	3.09	2.75	0.82
2 or more	4.80	5.07	4.78	4.44	21.71	35.70	62.42
Freezer	1.49	1.33	1.80	2.03	6.79	5.49	14.40
Microwave oven	0.92	1.06	0.71	1.00	2.61	4.15	8.77

Technical Table 1b
Coefficients of Variation (%) for Dwelling Characteristics and Household
Equipment, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
Air conditioner							
Window	7.50	7.98	13.01	10.22	100.61	41.52	107.22
Central	3.95	5.19	10.43	11.67	101.98	45.40	0.00
Telephones							
1	4.89	4.19	5.78	4.83	14.69	7.51	10.49
2	4.27	3.86	3.50	3.68	12.55	8.08	11.27
3 or more	4.04	3.93	2.31	3.22	10.01	21.14	26.22
Cellular Telephone	5.22	4.62	3.05	3.59	16.94	22.24	0.00
Compact disc player	2.00	1.94	1.44	1.62	4.40	3.11	6.24
Cablevision	1.89	2.73	1.78	1.55	12.37	5.69	10.29
Video cassette recorders							
1	2.77	2.40	2.34	2.13	5.69	4.15	7.25
2 or more	4.02	4.69	3.55	4.09	12.23	7.76	28.56
Home computer	2.71	3.24	2.34	2.24	5.03	6.40	11.14
Modem	3.99	4.50	3.19	3.10	7.15	9.94	21.17
Internet use from home	4.85	5.75	3.74	4.07	8.99	10.11	28.07
Colour televisions							
1	3.19	2.76	3.24	2.43	8.45	10.56	7.15
2	3.83	3.56	3.42	3.78	7.84	8.21	24.20
3 or more	4.99	5.86	4.73	5.58	13.26	11.00	25.77
Owned vehicles (automobiles, trucks and minivans)							
1	2.75	3.12	3.17	3.13	7.58	11.04	21.63
2 or more	3.08	3.01	2.40	2.72	7.28	21.73	38.94
Owned automobiles							
1	2.44	3.00	2.79	2.53	7.13	9.66	15.37
2 or more	5.39	6.06	4.74	5.61	21.26	29.24	93.08
Owned trucks and minivans							
1	4.56	3.71	3.37	3.79	5.42	8.85	27.09
2 or more	11.12	8.06	7.18	9.32	18.19	29.13	0.00
Leased vehicles (automobiles, trucks and minivans)							
1	10.92	11.30	10.66	12.85	41.87	34.31	92.12
2 or more	38.11	51.43	31.41	51.56	101.08	0.00	0.00

0.00 = item not reported

Technical Table 2a

Coefficients of Variation (%) for Average Household Expenditures, Canada, from Newfoundland to Ontario, 1998 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Estimated number of households	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Household size	0.15	0.35	0.40	0.48	0.29	0.29	0.30
Number of children aged less than 5	1.57	4.67	6.02	5.79	4.41	3.66	2.89
Number of children aged 5 to 14 years	1.10	3.04	4.83	3.37	2.85	2.61	2.04
Number of youths aged 15 to 19 years	2.16	4.50	8.24	6.52	5.31	4.41	4.41
Number of youths aged 20 to 24 years	1.81	5.08	8.09	6.92	5.86	3.73	3.56
Number of adults aged 25 to 64 years	0.15	0.38	0.48	0.49	0.36	0.25	0.31
Number of seniors aged 65 years and over	0.31	0.70	0.96	0.79	0.59	0.52	0.67
Number of part-time earners	1.00	2.75	2.79	2.92	2.46	2.09	2.09
Number of full-time earners	0.71	3.03	3.02	2.38	2.10	1.51	1.28
Age of reference person	0.22	0.53	0.73	0.60	0.56	0.44	0.44
Household income before tax	0.65	1.50	1.43	1.28	1.09	1.20	1.31
Other money receipts	11.02	21.99	21.54	23.90	27.55	17.42	18.46
Money flows - assets, loans and other debts	8.47	19.77	26.64	22.87	13.94	15.41	13.88
Percentage							
Homeowner on December 31	0.86	1.86	3.40	2.05	2.18	1.71	1.86
Automobile or truck owners on December 31	0.57	1.74	1.71	1.78	1.43	1.22	1.23
One-person households	0.68	2.79	1.66	2.65	1.71	1.24	1.44
Husband-wife households	0.43	1.04	1.55	1.30	0.97	0.84	0.87
Lone-parent households	0.91	2.36	1.50	3.72	2.18	1.53	1.92
With no full-time earner	0.96	2.03	2.91	2.20	2.04	1.81	2.11
With one full-time earner	1.53	4.96	6.30	4.18	3.49	3.25	3.09
With two or more full-time earners	1.89	6.75	8.82	6.40	5.08	4.02	3.45
With wife employed full time	1.87	5.80	8.21	6.12	4.47	4.07	3.54
With husband employed full time	1.07	4.25	5.84	3.30	2.80	2.26	2.03
With age of reference person:							
Under 25 years	7.26	23.62	29.38	20.39	22.39	16.75	16.97
25 to 44 years	1.11	2.83	4.51	2.75	2.85	2.04	2.42
45 to 64 years	1.26	2.89	4.34	3.10	3.03	2.20	2.69
65 years or older	1.21	2.77	3.72	2.70	2.54	2.23	2.70
Total expenditure	0.57	1.48	1.78	1.34	1.23	0.98	1.11
Total current consumption	0.56	1.39	1.60	1.37	1.23	1.03	1.05
Food	0.54	1.31	1.65	1.25	1.67	1.02	1.11
Food purchased from stores	0.48	1.14	1.54	1.19	1.18	0.88	0.99
Locally and on day trips	0.49	1.13	1.55	1.19	1.18	0.88	1.00
While on trips overnight or longer	4.17	11.40	13.52	8.50	9.96	11.25	9.09
Board paid to private households	11.18	27.01	27.58	36.73	60.82	13.45	23.81
Board paid by household members including roomers	14.17	31.20	23.23	40.54	66.18	13.35	37.37
While on trips overnight or longer	16.09	38.94	81.95	51.49	56.26	32.19	27.23
Food purchased from restaurants	1.55	4.50	4.50	3.75	3.64	3.50	2.94

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada, from
Newfoundland to Ontario, 1998 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Shelter	0.77	2.29	2.34	1.81	2.35	1.30	1.48
Principal accommodation	0.79	2.32	2.36	1.74	2.46	1.23	1.53
Rented living quarters	2.12	6.43	8.64	6.56	8.65	2.85	4.44
Rent	2.13	6.50	8.79	6.55	8.75	2.85	4.44
Tenants' maintenance, repairs and alterations	14.64	30.76	29.60	26.19	30.14	31.09	23.92
Tenants' insurance premiums	3.81	20.70	13.68	13.76	12.66	4.68	9.77
Owned living quarters	1.55	4.55	5.45	3.34	4.45	2.71	2.95
Regular mortgage payments	2.10	6.60	6.81	4.51	5.87	3.58	4.04
Maintenance, repairs and replacements	3.85	6.86	10.94	8.06	8.18	7.56	6.59
Condominium charges	9.46	58.62	79.22	30.16	34.70	21.54	16.03
Property taxes	1.24	3.88	5.06	3.18	3.15	2.38	2.21
Homeowners' insurance premiums	1.40	3.28	4.33	2.75	2.95	2.65	2.88
Other expenditures for owned living quarters	5.98	16.17	18.42	12.22	13.78	11.90	10.21
Commissions for sale of real estate	10.64	38.55	40.34	35.09	32.75	35.48	18.04
Legal fees related to the dwelling(s)	7.01	22.69	21.43	19.32	19.24	13.93	12.32
Mortgage insurance premiums	4.58	9.03	10.94	7.26	8.11	6.71	8.56
Appraisals, surveying and mortgage penalties	17.20	28.00	34.63	21.66	25.53	17.89	20.03
Transfer taxes and land registration fees	9.96	30.01	30.13	28.44	29.71	15.81	15.06
Water, fuel and electricity	0.73	1.78	2.66	1.67	1.79	1.38	1.56
Water and sewage	2.67	8.79	9.89	5.72	6.74	13.07	5.03
Fuel (e.g., oil, gas)	1.36	5.75	4.35	3.79	6.07	4.70	2.28
Electricity	0.95	1.89	1.74	2.10	1.81	1.54	2.28
Other accommodation	3.35	8.55	11.04	11.56	7.69	9.03	5.97
Owned vacation home	5.99	14.88	22.21	16.85	15.41	12.22	10.94
Maintenance, repairs and replacements	11.77	28.71	51.28	31.52	22.64	23.42	26.86
Property taxes and sewage charges	6.21	25.89	20.51	16.19	17.22	14.30	10.65
Insurance premiums	6.27	15.95	23.49	18.04	19.12	12.84	12.64
Electricity, water and fuel	7.28	17.40	24.69	22.82	21.97	15.39	12.34
Other expenses for owned vacation home	16.22	50.18	46.88	55.01	34.63	28.57	24.93
Traveller accommodation	3.93	9.77	11.38	11.96	9.02	11.58	6.78
Hotels and motels	3.49	9.64	10.19	8.29	9.41	6.62	7.38
Other accommodation away from home	8.63	17.16	32.86	25.72	15.33	22.59	11.83
Household operation	0.91	2.17	2.71	2.56	2.37	1.71	1.81
Communications	0.94	2.44	2.36	2.14	1.67	1.96	1.85
Telephone	0.90	2.43	2.23	1.87	1.53	1.82	1.77
Purchase of telephones and equipment	3.35	11.46	10.95	8.71	11.70	7.48	6.12
Telephone services	0.92	2.38	2.25	1.91	1.53	1.85	1.80
Telephone service	0.92	2.38	2.27	1.92	1.54	1.88	1.81
Installation and repairs	7.82	20.40	16.87	14.51	29.95	11.36	10.83
Cellular services	3.05	12.39	15.88	10.91	10.20	9.26	5.68
Internet services	2.85	10.96	12.04	9.01	9.79	6.83	5.48
Postal and other communication services	1.95	4.64	4.57	4.64	5.18	3.21	3.85

Technical Table 2a

Coefficients of Variation (%) for Average Household Expenditures, Canada, from Newfoundland to Ontario, 1998 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Child care expenses	4.37	11.62	13.03	11.94	10.18	6.71	8.76
Child care outside the home	4.86	15.27	15.83	16.35	13.34	7.11	9.60
Day-care centres	6.24	21.74	20.47	23.24	18.53	8.11	14.61
Other child care outside the home	8.40	22.09	31.23	19.54	20.08	19.75	12.18
Child care in the home	9.03	19.56	26.41	18.17	18.14	16.90	18.52
Domestic and other custodial services	6.31	27.32	18.03	26.00	22.86	10.87	10.71
Pet expenses	2.96	5.54	7.97	5.49	4.80	4.54	6.08
Pet food	2.57	5.42	7.25	6.07	4.90	5.01	5.29
Purchase of pets	15.92	21.78	27.68	35.99	20.57	17.46	30.99
Purchase of pet related goods	4.03	7.94	12.25	8.22	8.45	5.78	7.79
Veterinarian and other services	4.98	8.78	12.52	8.23	8.35	7.39	9.38
Household cleaning supplies	1.06	2.46	4.65	2.70	2.72	2.24	2.11
Paper, plastic and foil household supplies	1.01	2.10	2.56	2.51	2.51	2.17	2.06
Stationery (excluding school supplies)	1.48	3.49	4.21	4.26	3.29	3.10	2.92
Other paper and plastic supplies	1.12	2.23	3.03	2.68	2.81	2.40	2.30
Garden supplies and services	1.95	6.63	8.55	4.24	4.69	4.06	3.50
Nursery and greenhouse stock, cut flowers, and decorative plants	1.94	7.80	6.91	5.23	5.72	4.01	3.58
Fertilizers, soil and soil conditioners	3.32	7.95	9.86	7.48	8.37	5.56	5.20
Pesticides	4.11	8.33	10.78	10.81	8.67	8.58	6.03
Horticultural services, snow and garbage removal	4.51	12.81	18.21	8.77	8.80	8.04	8.08
Other household supplies	1.68	4.31	5.20	3.62	4.33	2.95	3.61
Other household operation	1.17	3.15	3.45	4.63	4.81	2.42	2.08
Household furnishings and equipment	2.18	3.27	5.18	3.19	3.61	3.21	4.24
Household furnishings	3.12	4.01	8.68	5.66	6.20	5.25	5.65
Furniture	3.66	5.55	10.18	7.42	7.53	6.49	6.81
Rugs, mats and underpadding	7.11	12.87	18.58	14.95	20.80	14.76	10.57
Window coverings and household textiles	2.68	5.38	7.42	5.98	6.72	4.86	5.09
Art, antiques and decorative ware	9.52	13.74	22.79	12.97	14.69	11.04	17.23
Works of art, carvings and vases	15.70	27.23	34.83	16.17	22.76	17.68	26.34
Antiques	24.17	64.73	38.20	34.40	37.46	37.55	47.06
Glass mirrors, and mirror and picture frames	4.34	11.34	19.43	10.21	10.57	11.35	7.57
Household equipment	2.27	4.36	5.43	3.51	4.07	3.34	4.97
Household appliances	2.31	5.89	8.25	5.01	6.64	5.02	4.52
Room air conditioners, portable humidifiers and dehumidifiers	8.34	29.34	44.53	23.15	27.13	17.01	13.03
Refrigerators and freezers	4.93	13.64	17.61	14.82	12.64	9.13	9.78
Cooking stoves and ranges	6.53	14.38	21.21	16.24	15.89	12.64	12.09
Microwave and convection ovens	5.93	15.01	21.15	15.54	16.13	13.46	11.70
Gas barbecues	5.91	11.95	18.63	12.70	12.07	13.71	11.22
Small electric food preparation appliances	2.66	7.84	9.62	6.78	8.79	5.61	5.09
Washers and dryers	4.65	10.98	20.44	11.82	10.93	9.44	9.05

Technical Table 2a**Coefficients of Variation (%) for Average Household Expenditures, Canada, from Newfoundland to Ontario, 1998 - REVISED**

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Vacuum cleaners and other rug cleaning equipment	4.93	11.02	15.31	12.92	14.87	14.39	9.60
Portable dishwashers	11.32	33.64	47.51	35.69	33.01	23.09	22.62
Sewing machines	12.87	26.53	37.54	32.17	44.13	20.13	24.63
Other electric equipment and appliances	4.03	7.60	12.70	9.71	9.82	7.17	8.55
Attachments and parts for major appliances	3.68	6.12	10.50	7.91	8.74	8.22	7.55
Home and workshop tools and equipment	3.76	7.94	14.73	8.79	9.63	7.72	7.96
Power tools and equipment	4.68	9.48	19.01	11.61	12.33	10.78	9.96
Other tools	4.69	12.09	9.92	10.82	9.03	8.37	8.01
Lawn, garden and snow-removal tools and equipment	4.61	12.11	16.32	12.10	9.70	8.44	9.61
Power lawn mowers and garden equipment	7.59	16.31	21.19	17.29	14.48	15.07	15.65
Snow-blowers	10.90	29.99	53.17	36.91	16.20	19.49	23.40
Other lawn, garden/ and snow removal tools and equipment	3.05	7.40	9.56	7.47	9.83	6.62	5.67
Lamps and lampshades	5.93	11.02	24.40	10.37	12.43	11.53	8.96
Non-electric kitchen and cooking equipment	3.05	7.50	8.11	9.83	9.43	4.88	6.37
Tableware, flatware and knives	26.74	10.81	15.16	11.39	14.70	12.27	44.64
Non-electric cleaning equipment	2.04	4.87	6.86	5.57	5.52	4.12	4.10
Luggage	4.24	11.96	16.56	11.81	14.54	9.37	8.06
Home security equipment	8.34	11.20	23.18	21.56	20.28	13.45	15.23
Other household equipment, parts and accessories	2.69	7.09	7.45	6.56	7.65	5.34	5.22
Maintenance and repairs of furniture and equipment	4.93	11.70	11.75	7.04	9.87	10.90	10.33
Furniture, carpeting and household textiles	8.27	18.49	16.85	10.56	15.01	18.98	17.18
Major household appliances	4.14	14.71	20.02	11.84	11.48	8.57	8.23
Other maintenance and repairs of furniture and equipment	6.76	32.62	26.29	15.94	27.32	17.14	12.73
Services related to furnishings and equipment	4.57	20.19	24.59	13.07	15.23	13.15	5.83
Rental of heating equipment	5.52	35.10	28.55	15.11	19.67	25.47	6.54
Other services related to furnishings and equipment	6.65	20.15	21.06	17.88	21.95	14.31	10.22
Clothing	1.05	2.26	3.02	2.73	2.31	1.78	1.92
Women's and Girls' wear (4 years and over)	1.31	2.59	3.77	3.39	3.11	2.32	2.51
Clothing	1.32	2.68	4.23	3.56	3.64	2.53	2.53
Footwear	1.24	3.51	4.28	3.86	2.98	2.37	2.42
Accessories	2.28	7.22	7.22	5.99	5.87	3.80	4.50
Jewellery and watches	6.67	9.87	13.15	12.82	12.36	9.24	13.06
Clothing gifts to non-household members	2.45	4.61	10.44	8.16	5.54	5.91	4.35
Men's and Boys' wear (4 years and over)	1.25	2.88	4.31	3.28	2.31	2.01	2.25
Clothing	1.36	3.55	3.82	3.52	2.78	2.35	2.55
Footwear	1.26	3.27	5.05	3.64	2.85	2.15	2.60
Accessories	2.27	5.99	9.45	6.40	6.05	4.30	4.46
Jewellery and watches	8.45	14.45	26.22	22.58	12.46	13.49	15.37
Clothing gifts to non-household members	2.92	4.86	10.30	6.28	6.42	6.53	5.54

Technical Table 2a

Coefficients of Variation (%) for Average Household Expenditures, Canada, from Newfoundland to Ontario, 1998 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Children's wear (under 4 years)	2.56	6.18	10.16	8.05	6.31	5.84	4.51
Clothing and cloth diapers	4.17	12.55	19.47	13.45	13.27	9.28	7.16
Footwear	4.14	13.36	15.70	14.44	19.73	8.79	7.10
Clothing gifts to non-household members	3.09	7.51	9.89	9.00	6.09	6.36	5.67
Clothing material, notions and services	1.93	5.89	7.03	5.67	6.42	3.28	3.82
Clothing material (excluding household textiles)	4.86	11.15	17.34	12.97	13.68	8.01	11.03
Notions	3.99	13.16	16.96	18.10	17.99	8.04	8.73
Services	2.06	7.72	8.13	5.86	7.96	3.53	3.92
Dressmaking, tailoring, clothing storage and other clothing services	6.18	18.67	22.81	19.32	19.17	13.03	12.09
Laundry and dry-cleaning service	2.70	8.36	7.13	7.46	10.04	4.07	5.29
Laundromats and self-service dry cleaning	4.06	17.64	19.57	11.55	15.21	10.03	6.75
Maintenance, repair and alteration	3.11	8.37	10.73	10.04	9.75	5.27	6.66
Transportation	1.38	3.95	4.30	3.42	3.32	2.74	2.51
Private transportation	1.50	4.11	4.55	3.75	3.43	2.96	2.73
Purchase of automobiles and trucks	3.76	11.00	12.76	8.51	8.89	8.22	6.81
Automobiles	4.69	13.23	14.04	10.17	9.89	8.76	8.13
Trucks (including vans)	5.64	14.53	19.45	15.78	13.76	14.48	11.68
Separate sale of automobiles and trucks (3)	-9.23	-27.54	-28.13	-23.15	-35.12	-16.62	-23.06
Purchase of automotive accessories	6.70	18.06	20.32	24.50	19.82	20.09	15.01
Rented and leased automobiles and trucks	4.23	12.09	18.57	12.26	10.37	7.16	7.91
Rented automobiles and trucks	4.73	14.92	17.31	15.82	21.00	14.30	8.03
Automobiles	5.54	15.00	20.43	16.92	22.67	16.15	9.49
Rental fees (including insurance and mileage)	5.70	15.32	20.65	17.30	24.43	16.38	9.95
Gas and other fuels	6.65	17.23	23.60	19.16	21.06	18.54	10.94
Other expenses for rented automobiles	17.32	40.74	46.66	58.35	37.55	35.79	21.74
Trucks (including vans)	8.99	41.93	36.83	35.20	44.54	23.40	15.63
Rental fees (including insurance and mileage)	9.19	43.76	38.20	34.96	41.81	23.70	16.48
Gas and other fuels	10.47	48.51	38.82	37.43	59.90	25.89	16.33
Other expenses for rented trucks	20.16	102.23	58.49	53.90	72.45	98.66	34.13
Leasing fees for automobiles and trucks	4.73	13.27	20.30	13.33	11.06	7.57	8.96
Operation of owned and leased automobiles and trucks	0.74	2.16	2.87	2.06	2.11	1.42	1.49
Gasoline and other fuels	0.93	2.42	3.58	2.26	2.39	1.70	1.93
Tires, batteries, and other automotive parts and supplies	1.96	5.02	7.69	4.61	5.61	3.44	4.20
Maintenance and repair	1.97	6.64	7.14	5.52	6.03	3.34	3.99
Garage rent and parking	4.07	15.70	23.80	13.58	12.23	8.35	7.33
At dwelling (not included in rent)	13.06	99.80	77.65	46.99	0.00	20.66	22.34
Parking away from home	4.23	16.31	24.13	13.93	12.23	9.07	7.59
Driving lessons	8.03	21.42	29.58	20.09	15.61	17.96	13.20
Drivers' licences and tests	2.00	5.24	5.36	8.24	5.69	2.35	5.59
Private and public vehicle insurance premiums	1.14	2.65	3.36	2.21	2.14	1.83	1.95
Registration fees and licences (including	2.00	1.94	2.60	4.39	4.07	1.35	2.58

Technical Table 2a

Coefficients of Variation (%) for Average Household Expenditures, Canada, from Newfoundland to Ontario, 1998 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
insurance if part of registration)							
Other automobile and truck operation services	3.07	18.23	9.56	6.55	11.92	5.84	5.70
Public transportation	2.26	7.24	8.60	7.36	6.99	4.83	4.32
City or commuter bus, subway, street car and commuter train	3.50	12.34	55.33	12.61	14.21	5.09	5.97
Taxi	4.68	12.49	23.24	11.16	11.67	10.22	9.28
Airplane	3.34	9.90	10.18	11.29	10.65	10.53	6.46
Train	10.95	41.39	28.15	32.92	17.88	18.24	17.35
Highway bus	7.07	14.23	42.30	14.67	18.93	13.87	15.67
Other passenger transportation	5.01	12.51	15.02	16.03	12.09	13.72	12.42
Household moving, storage and delivery services	8.62	35.62	40.64	37.05	25.70	11.46	19.20
Health care	1.29	3.52	3.78	3.61	2.62	2.18	3.09
Direct costs to household	1.62	3.70	4.86	4.83	3.47	2.42	3.61
Health care supplies	5.89	16.18	18.60	17.41	12.27	15.74	10.53
Medicinal and pharmaceutical products	2.68	4.75	7.28	5.01	3.99	2.84	6.68
Prescribed	4.00	5.85	9.28	6.93	5.42	3.64	11.13
Other medicines and pharmaceutical products	2.44	4.77	7.07	5.76	3.78	4.20	4.86
Physicians' care	15.17	39.69	46.86	35.99	26.66	19.01	27.33
Other health care practitioners	5.03	22.37	20.45	22.54	17.81	9.65	9.91
Eye-care goods and services	2.04	5.49	7.67	8.40	7.35	4.02	4.07
Prescription eye wear	1.96	5.95	9.26	5.67	6.59	3.83	4.07
Other eye care goods	3.46	10.70	14.68	12.19	13.11	8.18	7.38
Eye care services (e.g., surgery, exams)	10.45	6.33	7.34	36.50	20.92	16.68	43.21
Dental services	2.76	7.66	8.97	6.83	6.86	4.87	5.62
Hospital care	22.10	30.77	77.83	71.49	40.76	40.71	35.01
Other medical services	12.42	22.24	33.66	61.33	39.63	15.26	23.19
Health insurance premiums	1.94	7.24	6.90	4.37	4.79	3.89	6.18
Public hospital, medical and drug plans	2.24	29.51	27.46	8.89	20.29	5.07	18.88
Private health insurance plans	2.73	7.60	7.18	5.06	5.24	5.30	6.58
Private health care plans (e.g., supplementary coverage, extended benefit packages, drug plans)	3.46	9.55	7.66	5.74	6.20	5.32	9.42
Dental plans	6.07	12.35	22.61	17.91	19.97	17.66	12.92
Accident and disability insurance	4.85	11.37	14.07	9.65	10.10	12.18	9.97
Personal care	0.94	2.27	2.94	2.84	2.05	1.88	1.84
Personal care supplies and equipment	1.11	2.79	3.97	3.51	3.10	2.13	2.20
Personal care preparations	1.31	3.11	4.21	3.65	3.37	2.33	2.71
Disposable diapers	3.64	12.29	15.75	9.97	9.71	7.84	6.47
Electric hair-styling and personal care appliances	3.65	7.65	10.76	9.75	14.61	6.92	7.60
Other personal care supplies and equipment	1.97	5.05	7.20	8.20	8.07	4.16	3.78
Personal care services	1.16	3.11	3.44	3.29	2.56	2.32	2.27
Hair grooming	1.13	3.11	3.44	3.23	2.50	2.24	2.22

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada, from
Newfoundland to Ontario, 1998 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Other personal services	4.04	14.08	15.35	13.33	11.72	6.53	8.50
Recreation	1.51	3.38	5.53	2.85	3.75	4.07	2.60
Recreation equipment and associated services	1.70	4.37	5.56	4.11	3.69	3.85	3.39
Sports and athletic equipment	3.01	8.38	8.50	8.34	8.97	6.43	6.41
Playground equipment, above-ground pools and accessories	13.25	30.30	27.00	20.95	29.99	21.59	24.48
Toys and children's vehicles	2.60	7.15	6.50	5.43	4.79	4.78	5.15
Electronic games and parts	3.16	9.10	11.94	7.23	7.09	6.85	6.47
Video game rental	4.23	11.84	17.55	12.22	12.61	9.47	9.64
Artists' materials, handicraft and hobbycraft kits and materials	4.94	12.54	12.69	9.30	11.81	8.87	9.17
Computer equipment and supplies	3.47	9.86	13.83	10.81	10.31	7.18	6.63
Computer hardware	3.95	11.21	15.37	12.42	11.97	8.04	7.49
New	4.27	11.99	17.39	13.08	13.07	8.92	8.14
Used	8.82	29.42	32.16	23.52	25.18	16.55	15.64
Computer software	4.38	14.60	19.99	13.70	14.08	10.30	8.19
Computer supplies and other equipment	3.78	11.59	15.27	12.80	11.03	7.26	7.52
Photographic goods and services	2.12	4.89	5.97	4.67	5.02	3.88	4.29
Cameras and accessories	6.03	15.13	13.37	14.26	13.19	11.13	11.97
Films and processing	1.59	4.81	6.32	4.50	6.07	3.55	3.09
Photographers' and other photographic services	4.93	8.04	10.98	7.41	9.40	7.81	9.03
Musical instruments, parts and accessories	11.55	23.45	28.06	16.51	19.96	24.57	24.18
Collectors' items (e.g., stamps, coins)	10.35	26.33	33.05	18.63	26.12	30.65	17.02
Camping, picnic equipment and accessories (excluding BBQ's)	4.17	9.77	14.41	11.20	12.15	12.71	7.55
Supplies and parts for recreational equipment	4.22	9.72	30.94	11.94	13.19	6.38	8.87
Rental, maintenance and repairs of equipment	10.84	36.51	30.46	24.41	29.23	15.74	24.21
Recreation vehicles and associated services	7.13	12.38	27.93	16.02	11.75	19.97	13.29
Purchase of recreation vehicles	10.25	17.08	34.48	24.50	15.90	27.96	19.37
Bicycles, parts and accessories	4.74	10.89	25.85	14.76	14.80	9.42	8.67
Other recreational vehicles and outboard motors	11.63	18.46	38.70	29.52	17.25	31.69	22.04
Travel trailers	20.16	80.69	60.43	44.37	37.02	42.85	48.27
Tent trailers	39.46	837.33	113.28	-135.74	110.00	60.36	79.09
Motorcycles	28.30	68.32	72.28	42.37	50.76	41.96	55.94
Snowmobiles	13.55	21.69	57.92	104.35	26.68	37.39	34.11
Motor homes	47.43	-547.37	-114.67	-113.62	0.00	98.56	99.56
Truck campers	-198.46	71.22	0.00	99.17	101.01	-105.48	0.00
Boats	36.01	49.91	77.82	999.00	-122.39	44.35	63.58
Outboard motors and personal watercraft	25.25	41.32	97.30	52.18	-101.07	39.60	52.10
Other recreation vehicle purchases	28.73	30.56	48.37	27.90	22.34	59.87	34.97
Operation of recreational vehicles	4.76	10.10	42.00	12.21	11.63	8.88	10.19
Bicycle maintenance and repairs	6.92	21.92	22.33	21.71	17.86	15.02	12.33
Expenses for rented and leased recreational vehicles	12.97	43.04	33.42	56.34	53.00	21.59	25.42

Technical Table 2a**Coefficients of Variation (%) for Average Household Expenditures, Canada, from Newfoundland to Ontario, 1998 - REVISED**

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Gasoline and other fuels	7.59	9.76	33.35	13.03	12.40	11.95	21.19
Supplies and parts	9.62	15.25	67.88	18.36	18.93	12.84	18.59
Maintenance and repair jobs	10.46	23.90	32.17	27.97	26.40	19.57	22.10
Insurance premiums	4.82	17.67	41.22	17.88	12.87	11.15	9.50
Registration fees and licences	6.38	14.34	26.06	10.70	9.69	11.49	16.31
Other expenses for operation of recreational vehicles	13.42	35.87	41.20	31.07	26.14	21.72	21.78
Home entertainment equipment and services	2.40	3.92	4.95	4.49	4.16	3.26	3.50
Equipment	2.99	4.95	5.79	5.44	4.82	3.99	4.15
Audio (e.g., radio, CD players, speakers)	7.82	10.37	12.75	12.88	10.65	10.43	8.80
Compact discs, tapes, videos and video discs	2.01	6.07	8.63	4.50	5.47	3.99	4.11
Blank audio and video tapes	2.94	9.44	10.61	6.57	7.68	5.05	5.07
Televisions, VCRs, camcorders and other television/video component	4.10	7.84	10.74	8.10	8.85	7.01	7.20
Other home entertainment equipment	8.20	20.57	19.23	20.67	17.74	12.72	16.28
Services	1.81	4.46	7.21	5.78	5.53	3.44	3.98
Rental of videotapes and video discs	1.89	4.83	7.09	5.74	5.52	3.64	4.19
Rental of home entertainment equipment and other services	13.53	47.41	38.53	43.09	39.35	24.47	33.45
Maintenance and repair of home entertainment equipment	4.92	12.39	16.90	15.76	13.56	9.07	9.91
Recreation services	1.88	4.56	4.65	3.95	3.62	2.85	3.79
Entertainment	1.03	2.45	3.22	2.48	2.54	1.76	2.21
Movie theatres	2.20	6.51	6.97	6.19	6.45	3.92	4.55
Live sports events	6.07	15.27	14.26	12.35	10.41	12.64	12.62
Live performing arts	3.55	7.34	7.24	9.86	8.59	4.36	7.65
Admission to museums and other activities	3.11	14.89	12.56	6.95	13.01	6.08	6.02
Rental of cablevision and satellite services	1.04	2.24	3.99	2.48	2.39	2.05	2.20
Use of recreation facilities	3.17	7.70	7.63	8.66	7.39	5.98	6.23
Membership fees for sports and recreation facilities	4.34	8.78	8.00	9.98	8.82	7.04	8.54
Single use fees for sports and recreation facilities	4.60	20.37	14.22	18.42	12.76	11.59	8.63
Video, pinball and carnival games	4.76	13.03	35.19	15.72	13.57	14.73	9.73
Children's camps	8.42	23.50	28.30	19.67	18.40	17.95	14.85
Package travel tours	5.47	26.00	25.00	18.12	19.19	8.77	9.61
Other recreational services	6.87	11.14	19.51	16.54	9.18	17.22	14.79
Reading materials and other printed matter	1.37	4.30	3.64	3.71	3.16	2.98	2.61
Newspapers	1.59	3.73	3.88	3.42	4.01	2.91	3.18
Magazines and periodicals	1.88	7.33	9.07	6.35	5.46	4.25	3.60
Books and pamphlets (excluding school books)	2.72	7.71	8.33	6.21	6.00	6.34	5.15
Maps, sheet music and other printed matter	4.62	12.59	20.69	10.39	16.00	17.06	7.94

Technical Table 2a
Coefficients of Variation (%) for Average Household Expenditures, Canada, from
Newfoundland to Ontario, 1998 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Services related to reading materials (e.g., duplicating, library fees)	6.64	27.20	22.35	19.99	16.73	8.67	13.84
Education	3.06	7.95	14.34	9.64	9.69	5.67	6.14
Supplies	4.56	5.64	9.66	16.31	11.29	9.73	8.45
Kindergarten, nursery, elementary and secondary	2.94	4.43	7.64	11.88	4.97	5.00	7.30
Post-secondary	8.22	11.32	21.82	36.88	24.48	18.42	13.14
Textbooks	3.51	7.84	12.82	14.47	11.17	5.58	7.81
Kindergarten, nursery, elementary and secondary	5.03	8.46	60.28	33.08	19.28	5.86	20.32
Post-secondary	3.92	10.37	13.46	15.24	11.57	7.27	8.06
Tuition fees	3.68	9.47	16.00	11.76	11.95	7.29	7.13
Kindergarten, nursery, elementary and secondary	11.72	46.64	27.38	27.92	35.20	12.64	24.86
Post-secondary	3.84	9.83	17.22	12.05	12.13	8.89	7.21
Other courses and lessons (excluding driving)	6.55	10.80	18.55	15.28	12.83	10.14	13.18
Other educational services	15.08	40.16	82.20	49.41	53.95	48.60	34.40
Tobacco products and alcoholic beverages	1.58	4.81	6.10	5.20	3.63	2.62	3.43
Tobacco products and smokers' supplies	1.91	5.46	7.25	5.39	4.37	3.57	4.04
Cigarettes, cigars and tobacco	1.92	5.51	7.28	5.44	4.39	3.58	4.08
Matches and other smokers' supplies	11.39	16.30	17.10	14.12	10.64	9.13	29.35
Alcoholic beverages	2.11	6.91	7.37	7.65	5.68	3.50	4.41
Served on licensed premises	3.00	11.07	13.31	13.53	11.31	5.97	6.13
Purchased from stores	2.42	6.35	7.77	6.51	5.39	3.65	5.14
Self-made alcoholic beverages	6.61	13.10	18.41	15.93	16.51	17.44	12.06
Games of chance (net)	3.03	6.09	9.94	8.94	7.68	4.65	6.55
Government-run lotteries	4.94	6.88	8.90	5.75	4.95	3.87	11.95
Casinos, slot machines, and video lottery terminals	9.14	23.76	43.63	22.25	24.94	13.25	18.88
Bingos	7.11	12.22	22.45	14.19	14.97	13.54	15.38
Non-government lotteries and raffle tickets	5.38	8.69	12.38	23.48	9.66	12.01	11.22
Winnings from games of chance	-11.86	-11.93	-24.81	-14.08	-13.95	-10.30	-24.53
Miscellaneous expenditures	3.34	6.56	8.41	7.51	6.25	8.31	5.97
Expenses on other property owned	25.48	32.72	20.39	24.82	21.28	71.55	19.30
Legal services not related to dwellings	13.61	34.32	30.45	26.31	23.24	19.40	21.69
Financial services	2.98	12.84	11.92	7.50	7.88	7.06	5.67
Service charges from banks	1.38	4.60	5.52	6.09	8.02	2.76	2.67
Stock and bond commissions	9.80	54.50	54.25	43.75	30.07	23.56	18.61
Administration fees	14.08	52.35	52.08	30.89	23.43	38.76	22.74
Other financial services	4.30	11.26	8.57	9.53	13.28	6.45	9.00
Dues to unions and professional associations	2.39	5.85	9.81	8.79	7.05	4.56	4.72

Technical Table 2a

Coefficients of Variation (%) for Average Household Expenditures, Canada, from Newfoundland to Ontario, 1998 - REVISED

	Canada	Nfld	P.E.I.	N.S.	N.B.	Que.	Ont.
Contributions and dues for social clubs and other organizations	5.04	15.28	17.70	17.39	11.74	12.89	8.72
Forfeit of deposits, fines, and money lost or stolen	6.91	15.68	21.01	37.09	23.67	12.95	14.40
Tools and equipment purchased for work	7.78	25.90	25.73	17.08	21.41	16.91	18.54
Other miscellaneous goods and services	10.13	30.66	36.65	28.84	41.76	22.56	16.32
Goods	19.26	71.23	44.84	55.19	97.48	46.93	29.01
Services	11.52	35.50	45.32	33.32	43.22	23.88	19.06
Personal taxes	1.24	3.12	2.92	2.57	2.46	1.80	2.50
Income tax on reference year income	1.17	2.76	2.62	2.17	2.22	1.65	2.43
Income tax on income received before reference year	7.12	14.19	17.77	18.00	17.52	10.30	12.50
Other personal taxes	32.83	46.04	0.00	79.76	68.21	54.22	58.92
Tax refunds	-2.50	-5.51	-8.69	-6.01	-5.99	-4.54	-4.91
Personal insurance payments and pension contributions	1.22	3.56	2.74	1.96	2.39	2.39	2.35
Life insurance premiums	2.53	7.90	7.07	5.42	5.08	3.49	5.56
Annuity contracts and transfers to RRIFs	30.35	72.74	51.09	36.33	60.32	84.37	53.12
Employment insurance premiums	0.28	0.87	0.93	0.82	0.81	0.53	0.53
Retirement and pension fund payments	1.18	3.66	4.24	2.97	3.81	2.20	2.45
Canada and Quebec pension plan	0.59	1.90	2.05	1.44	1.27	1.03	1.20
Other government pension funds	4.10	9.80	17.15	8.85	8.18	6.47	9.40
Other retirement or pension funds (excluding RRSP)	4.22	13.03	15.25	11.88	16.88	9.18	8.25
Gifts of money and contributions	3.29	6.69	18.64	8.99	7.48	8.59	6.19
Money and support payments	4.54	9.04	26.82	12.60	11.32	11.49	8.71
Alimony and child support	8.70	24.10	33.39	20.75	22.87	18.22	17.68
Gifts of money and other support payments to persons living inside Canada	6.14	9.30	36.73	16.51	10.35	16.06	11.95
Gifts of money and other support payments to persons living outside Canada	10.63	33.24	79.05	28.84	36.22	21.74	13.99
Contributions to charity	3.81	8.30	11.11	6.27	6.08	6.02	7.12
Religious organizations	5.26	9.55	15.96	7.82	7.60	8.67	10.01
Non-religious charitable organizations	3.95	8.66	10.45	6.66	8.19	7.17	6.59
Registered retirement savings plans	3.81	15.89	14.66	22.55	12.31	9.40	6.51
Additions, renovations and alterations: contract, labour and material cost	4.60	9.73	19.25	10.36	14.42	7.65	9.21
New installations of equipment and fixtures: contract, labour and material cost	7.60	17.28	37.16	18.23	23.80	16.38	14.09

Blank = CV over 200%

0.00 = item not reported

Technical Table 2b

Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
Estimated number of households	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Household size	0.29	0.37	0.33	0.38	1.27	0.74	1.99
Number of children aged less than 5	3.62	4.01	3.11	4.15	19.12	14.72	8.44
Number of children aged 5 to 14 years	2.85	2.89	2.65	2.89	7.51	6.88	5.53
Number of youths aged 15 to 19 years	5.86	5.28	5.31	5.41	14.84	13.86	10.73
Number of youths aged 20 to 24 years	5.60	4.72	4.26	4.42	20.96	17.18	18.44
Number of adults aged 25 to 64 years	0.34	0.36	0.36	0.37	3.11	2.18	2.84
Number of seniors aged 65 years and over	0.64	0.84	0.72	0.60	21.90	13.05	26.70
Number of part-time earners	2.64	2.73	2.13	2.52	7.45	7.86	7.58
Number of full-time earners	1.98	2.46	1.81	1.92	7.09	8.21	12.83
Age of reference person	0.49	0.50	0.47	0.47	2.16	2.68	2.75
Household income before tax	1.48	1.27	1.14	1.45	5.93	5.99	6.87
Other money receipts	13.98	48.52	27.00	29.12	45.54	19.50	20.97
Money flows - assets, loans and other debts	17.69	44.92	24.10	27.11	20.38	34.06	55.16
Percentage							
Homeowner on December 31	2.02	1.69	1.74	1.69	7.43	12.05	6.87
Automobile or truck owners on December 31	1.37	1.06	0.96	1.13	4.06	5.42	22.81
One-person households	1.32	1.53	1.76	1.62	2.65	3.14	13.84
Husband-wife households	0.90	1.04	1.02	1.07	5.10	5.49	5.36
Lone-parent households	2.34	2.43	2.33	2.14	38.50	285.36	9.01
With no full-time earner	2.79	2.72	2.59	2.03	12.22	13.36	8.65
With one full-time earner	3.41	3.71	2.77	3.50	10.10	9.74	8.93
With two or more full-time earners	4.42	5.36	4.64	4.75	16.18	13.93	30.34
With wife employed full time	4.67	4.76	4.57	4.25	11.71	12.05	17.60
With husband employed full time	2.80	2.94	2.41	2.62	8.42	12.19	20.31
With age of reference person:							
Under 25 years	15.68	12.21	13.32	16.56	39.46	45.44	25.70
25 to 44 years	2.85	2.50	1.94	2.53	8.04	5.26	4.03
45 to 64 years	3.12	3.24	2.88	2.64	9.69	11.65	13.11
65 years or older	2.13	1.88	2.78	2.51	26.85	18.00	30.35
Total expenditure	1.55	1.29	1.25	1.66	4.78	6.02	8.07
Total current consumption	1.15	1.19	1.38	1.60	3.88	4.69	7.97
Food	1.33	1.18	1.18	1.24	4.79	4.59	7.90
Food purchased from stores	1.38	1.24	1.07	1.24	4.78	5.14	7.20
Locally and on day trips	1.39	1.27	1.09	1.26	4.49	4.75	7.37
While on trips overnight or longer	7.62	7.80	6.02	7.10	18.02	33.26	39.54
Board paid to private households	29.39	33.95	36.25	34.81	46.74	62.82	81.18
Board paid by household members including roomers	39.40	48.88	16.40	26.24	133.52	64.93	131.61
While on trips overnight or longer	42.68	40.18	48.90	42.56	35.29	92.47	82.71
Food purchased from restaurants	3.33	3.08	2.83	3.14	6.90	8.09	16.80

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
Shelter	1.51	1.89	1.92	1.61	2.52	8.87	15.41
Principal accommodation	1.58	1.95	1.91	1.68	3.03	9.77	14.23
Rented living quarters	6.23	4.75	4.68	3.78	16.84	19.92	22.12
Rent	6.25	4.80	4.72	3.79	16.83	20.15	22.18
Tenants' maintenance, repairs and alterations	49.49	34.83	28.17	21.56	40.67	18.03	66.04
Tenants' insurance premiums	11.28	10.08	7.60	8.66	37.16	19.43	27.03
Owned living quarters	3.22	3.69	3.24	2.73	6.86	17.23	21.21
Regular mortgage payments	4.51	5.25	3.79	3.69	8.37	20.71	28.13
Maintenance, repairs and replacements	7.69	6.49	7.42	13.80	14.80	15.24	58.66
Condominium charges	23.82	42.06	15.56	10.20	83.06	44.60	112.55
Property taxes	2.82	3.08	2.62	2.49	8.78	18.10	56.69
Homeowners' insurance premiums	2.85	2.49	2.66	2.68	7.96	13.61	24.22
Other expenditures for owned living quarters	11.10	16.53	11.72	17.03	36.41	46.72	52.72
Commissions for sale of real estate	20.34	26.50	20.47	23.25	54.31	61.02	0.00
Legal fees related to the dwelling(s)	15.29	16.90	11.43	17.16	34.38	32.22	106.68
Mortgage insurance premiums	10.89	8.50	8.97	12.09	12.93	29.47	27.83
Appraisals, surveying and mortgage penalties	24.30	21.03	20.30	60.49	74.58	113.19	96.20
Transfer taxes and land registration fees	19.33	27.16	15.85	16.88	31.55	38.09	75.87
Water, fuel and electricity	1.80	1.88	1.49	1.49	4.32	9.17	7.73
Water and sewage	3.24	3.76	3.58	4.74	10.82	12.72	19.60
Fuel (e.g., oil, gas)	3.16	2.56	2.34	3.95	7.70	12.62	17.44
Electricity	2.64	2.48	2.16	1.94	5.15	6.73	5.67
Other accommodation	6.91	5.55	5.76	5.48	10.25	9.91	35.00
Owned vacation home	12.29	13.36	13.07	12.27	28.97	14.95	59.80
Maintenance, repairs and replacements	30.50	23.57	28.52	26.08	69.35	28.79	84.58
Property taxes and sewage charges	13.08	12.82	12.63	12.35	15.10	21.99	39.17
Insurance premiums	19.22	17.05	19.43	14.03	27.27	26.61	37.04
Electricity, water and fuel	14.77	19.69	24.35	18.64	28.50	38.65	59.64
Other expenses for owned vacation home	36.39	45.62	30.96	22.23	64.02	37.11	95.16
Traveller accommodation	8.83	5.48	5.79	5.81	9.32	9.50	25.48
Hotels and motels	9.41	5.53	5.34	6.13	11.75	10.30	21.76
Other accommodation away from home	16.77	15.20	15.99	13.45	30.92	46.36	83.85
Household operation	1.71	2.21	1.82	2.34	5.88	5.48	9.51
Communications	2.05	2.23	2.51	2.06	6.54	6.06	14.62
Telephone	2.09	2.15	2.75	2.09	7.12	6.79	14.98
Purchase of telephones and equipment	8.87	9.05	7.69	7.02	19.29	19.11	10.62
Telephone services	2.09	2.17	2.85	2.08	7.29	6.97	15.30
Telephone service	2.11	2.18	2.88	1.96	7.47	6.99	15.33
Installation and repairs	11.04	13.63	15.31	30.11	22.77	20.71	18.68
Cellular services	6.93	8.28	6.20	6.19	22.46	21.04	109.04

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
Internet services	7.92	9.25	5.58	5.19	8.03	17.92	33.75
Postal and other communication services	4.66	3.46	4.25	5.38	8.12	13.15	24.03
Child care expenses	10.82	9.65	10.04	12.93	16.65	19.81	26.57
Child care outside the home	12.33	10.21	11.67	15.80	21.65	28.07	35.45
Day-care centres	14.95	14.46	15.29	15.92	25.34	44.99	55.80
Other child care outside the home	24.47	16.54	19.16	33.54	76.87	45.23	48.30
Child care in the home	22.98	23.85	20.08	21.85	44.45	22.70	27.57
Domestic and other custodial services	13.41	13.35	13.44	20.71	39.07	55.65	68.98
Pet expenses	5.41	5.51	5.01	5.63	11.74	8.65	38.50
Pet food	4.78	5.85	4.51	6.10	13.07	7.46	36.56
Purchase of pets	18.30	17.68	19.34	27.82	33.03	39.64	61.89
Purchase of pet related goods	11.63	10.86	7.61	13.69	16.38	17.12	46.94
Veterinarian and other services	7.85	8.10	8.23	7.55	16.24	15.24	26.86
Household cleaning supplies	2.39	2.43	2.38	2.72	5.44	8.60	10.15
Paper, plastic and foil household supplies	2.88	2.26	2.21	2.13	6.39	7.61	10.05
Stationery (excluding school supplies)	4.55	2.97	3.67	3.09	9.60	6.06	10.66
Other paper and plastic supplies	2.78	2.55	2.40	2.50	6.63	8.70	10.24
Garden supplies and services	4.16	13.24	5.36	4.54	13.94	13.74	26.57
Nursery and greenhouse stock, cut flowers, and decorative plants	4.38	5.92	4.89	4.67	14.14	16.65	19.49
Fertilizers, soil and soil conditioners	6.36	5.33	11.80	11.36	21.08	21.48	70.87
Pesticides	6.33	5.87	7.82	19.89	15.58	29.60	35.96
Horticultural services, snow and garbage removal	12.99	45.21	14.91	10.03	26.22	10.32	95.64
Other household supplies	4.14	3.14	3.12	3.22	6.88	11.63	18.86
Other household operation	2.30	3.86	2.34	4.04	7.00	6.79	9.97
Household furnishings and equipment	3.64	3.64	4.07	6.54	7.60	11.21	9.07
Household furnishings	5.68	5.47	5.49	9.68	12.60	13.65	12.66
Furniture	6.23	7.57	7.32	8.42	14.72	20.80	13.51
Rugs, mats and underpadding	44.11	18.21	11.94	25.36	30.84	32.17	33.55
Window coverings and household textiles	9.38	6.57	7.49	5.75	18.19	11.32	17.07
Art, antiques and decorative ware	14.74	11.99	10.06	24.24	18.50	23.14	17.65
Works of art, carvings and vases	24.18	13.60	11.71	33.06	22.14	21.76	18.15
Antiques	46.05	44.94	46.83	48.28	100.03	44.94	0.00
Glass mirrors, and mirror and picture frames	12.11	10.22	11.84	7.73	14.82	51.20	21.07
Household equipment	4.42	4.07	4.21	4.71	8.98	13.85	7.70
Household appliances	6.30	5.02	5.22	5.48	10.82	20.06	18.46
Room air conditioners, portable humidifiers and dehumidifiers	32.10	19.11	15.24	23.85	36.09	21.09	50.15
Refrigerators and freezers	11.86	12.55	12.34	12.50	23.25	33.60	69.87
Cooking stoves and ranges	15.62	15.08	20.19	16.77	29.14	75.37	45.76
Microwave and convection ovens	16.58	13.95	17.52	13.44	25.08	28.73	14.09

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
Gas barbecues	16.72	16.39	13.42	13.44	20.06	46.73	91.80
Small electric food preparation appliances	7.26	6.20	6.27	7.07	12.84	11.26	7.68
Washers and dryers	11.92	11.04	9.32	12.34	32.10	35.77	42.26
Vacuum cleaners and other rug cleaning equipment	14.16	15.70	10.60	11.14	21.36	19.70	46.72
Portable dishwashers	35.18	35.14	24.95	29.80	60.61	77.68	60.17
Sewing machines	52.17	43.42	36.92	40.66	47.01	57.48	42.81
Other electric equipment and appliances	10.72	8.01	6.75	8.04	14.61	25.54	63.41
Attachments and parts for major appliances	6.99	7.33	6.91	7.95	15.84	14.27	71.62
Home and workshop tools and equipment	8.62	12.84	10.12	8.76	28.29	14.96	31.50
Power tools and equipment	12.86	18.75	10.11	9.64	17.28	20.43	43.29
Other tools	7.74	12.49	17.55	12.58	43.76	15.74	12.16
Lawn, garden and snow-removal tools and equipment	10.98	10.96	12.07	11.10	18.25	27.27	32.18
Power lawn mowers and garden equipment	16.03	16.96	18.76	17.87	23.80	50.12	107.43
Snow-blowers	19.03	24.09	35.31	37.87	59.13	93.23	0.00
Other lawn, garden/ and snow removal tools and equipment	8.40	8.08	7.90	8.11	23.98	22.71	30.64
Lamps and lampshades	15.76	13.40	10.79	21.59	20.35	21.83	26.62
Non-electric kitchen and cooking equipment	7.28	6.49	6.08	6.60	11.71	13.53	23.81
Tableware, flatware and knives	11.20	16.98	16.08	36.11	27.17	29.12	16.41
Non-electric cleaning equipment	4.93	4.85	4.00	4.84	6.44	11.56	16.97
Luggage	8.38	10.36	8.66	8.39	16.04	27.65	26.27
Home security equipment	12.41	11.62	14.65	19.73	21.02	19.86	32.06
Other household equipment, parts and accessories	7.27	6.48	7.37	6.91	15.96	7.74	40.34
Maintenance and repairs of furniture and equipment	7.92	7.82	8.56	5.51	17.45	23.06	57.46
Furniture, carpeting and household textiles	12.24	8.66	12.35	7.00	13.67	30.40	58.55
Major household appliances	11.02	10.02	9.22	8.71	23.95	37.72	75.10
Other maintenance and repairs of furniture and equipment	17.08	23.79	18.07	14.58	60.23	25.49	71.56
Services related to furnishings and equipment	10.83	11.47	13.30	21.38	38.40	17.91	78.23
Rental of heating equipment	40.15	13.54	35.52	56.41	80.87	29.14	0.00
Other services related to furnishings and equipment	11.07	14.97	14.41	22.41	35.48	20.74	78.23
Clothing	2.55	2.18	4.35	2.42	8.03	7.66	5.21
Women's and Girls' wear (4 years and over)	3.51	2.63	4.57	2.96	8.70	9.86	6.50
Clothing	4.08	2.88	3.93	3.15	9.01	9.21	8.90
Footwear	3.58	3.06	3.24	2.82	9.44	5.95	6.94
Accessories	5.71	5.88	6.82	4.65	12.11	12.61	6.88
Jewellery and watches	11.97	10.40	14.55	11.58	22.65	25.31	23.25
Clothing gifts to non-household members	5.12	6.52	7.77	6.01	15.17	18.47	27.61

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
Men's and Boys' wear (4 years and over)	3.03	2.83	5.53	2.70	10.05	8.05	6.55
Clothing	3.19	3.49	5.51	2.92	11.04	5.67	3.99
Footwear	3.25	3.01	3.27	2.76	10.28	9.16	8.25
Accessories	5.07	5.65	5.39	4.84	13.84	25.20	12.82
Jewellery and watches	14.66	10.25	26.74	12.50	37.08	18.26	25.65
Clothing gifts to non-household members	5.92	5.92	6.14	7.15	9.95	18.86	32.71
Children's wear (under 4 years)	6.39	6.07	5.84	5.79	15.34	14.65	16.26
Clothing and cloth diapers	10.11	11.43	10.20	9.06	28.61	31.62	15.04
Footwear	10.26	10.03	9.31	9.13	27.92	46.07	26.87
Clothing gifts to non-household members	7.80	6.62	5.48	7.72	21.64	14.64	31.85
Clothing material, notions and services	4.60	4.37	3.84	3.96	14.97	13.74	15.60
Clothing material (excluding household textiles)	14.77	9.32	8.61	11.59	37.93	28.69	11.99
Notions	10.82	11.08	7.51	9.24	27.09	9.60	16.33
Services	4.87	5.19	4.61	4.19	13.59	15.34	39.75
Dressmaking, tailoring, clothing storage and other clothing services	13.99	14.92	16.42	13.77	44.38	23.67	59.68
Laundry and dry-cleaning service	6.13	6.55	5.76	5.91	11.65	17.41	35.50
Laundromats and self-service dry cleaning	11.18	11.44	9.47	6.93	25.75	36.10	77.52
Maintenance, repair and alteration	6.38	9.01	7.12	8.35	16.03	21.21	76.74
Transportation	3.38	3.31	3.14	4.34	10.09	8.27	30.28
Private transportation	3.71	3.50	3.32	4.94	11.31	9.36	45.97
Purchase of automobiles and trucks	9.01	7.50	7.47	12.29	26.64	12.69	999.00
Automobiles	10.27	10.61	8.46	18.60	27.34	32.68	52.66
Trucks (including vans)	11.87	10.30	10.41	14.00	30.66	15.10	69.02
Separate sale of automobiles and trucks (3)	-17.29	-19.16	-17.16	-19.53	-47.49	-23.64	-45.54
Purchase of automotive accessories	20.50	14.89	12.61	13.69	12.54	18.41	33.84
Rented and leased automobiles and trucks	11.54	10.35	9.46	12.76	22.22	24.06	31.96
Rented automobiles and trucks	13.67	16.33	9.65	9.76	16.76	21.26	25.26
Automobiles	14.68	20.61	9.49	11.33	22.37	22.60	26.94
Rental fees (including insurance and mileage)	14.74	21.45	9.76	11.45	21.98	22.43	27.11
Gas and other fuels	18.90	18.70	10.84	12.83	26.30	24.36	29.45
Other expenses for rented automobiles	40.15	70.71	27.78	49.32	72.45	56.80	52.09
Trucks (including vans)	33.44	29.71	21.12	18.66	41.60	61.83	48.18
Rental fees (including insurance and mileage)	35.20	28.35	21.70	18.88	45.20	63.73	47.70
Gas and other fuels	31.40	36.42	24.17	21.74	38.36	57.91	52.78
Other expenses for rented trucks	0.00	71.25	48.56	42.13	59.24	91.20	104.01
Leasing fees for automobiles and trucks	12.52	11.83	11.19	15.53	38.47	30.85	59.10
Operation of owned and leased automobiles and trucks	2.21	1.90	1.79	1.64	5.63	10.73	43.98
Gasoline and other fuels	2.70	2.53	2.24	2.30	6.43	14.18	62.00

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
Tires, batteries, and other automotive parts and supplies	6.65	5.08	4.91	4.72	12.22	13.89	42.09
Maintenance and repair	6.76	5.26	3.96	4.46	15.29	11.78	28.82
Garage rent and parking	7.82	7.57	9.82	7.78	27.25	34.75	62.39
At dwelling (not included in rent)	16.13	42.64	26.57	22.98	101.18	72.57	0.00
Parking away from home	8.81	7.49	10.18	8.25	27.78	29.84	62.39
Driving lessons	34.34	74.75	17.07	21.08	57.19	70.37	94.17
Drivers' licences and tests	3.55	4.48	6.19	14.35	14.00	12.14	23.19
Private and public vehicle insurance premiums	3.30	5.49	2.04	3.74	4.67	10.97	42.68
Registration fees and licences (including insurance if part of registration)	7.14	2.27	2.45	6.06	5.22	6.21	30.18
Other automobile and truck operation services	7.08	17.18	9.74	5.44	27.98	84.84	32.65
Public transportation	4.62	6.24	4.84	4.40	10.65	12.65	20.27
City or commuter bus, subway, street car and commuter train	6.97	10.37	6.64	7.01	25.01	51.91	85.08
Taxi	14.75	9.26	9.62	11.19	16.38	13.66	61.89
Airplane	7.02	9.69	6.32	6.32	13.32	14.34	20.40
Train	29.70	35.49	29.52	23.79	45.24	59.03	94.50
Highway bus	13.71	10.66	18.61	10.90	27.85	43.76	63.06
Other passenger transportation	13.14	17.14	11.29	6.18	22.69	29.49	85.78
Household moving, storage and delivery services	24.59	19.24	16.51	17.05	21.44	54.03	52.34
Health care	3.25	2.86	2.20	3.20	7.35	9.58	16.92
Direct costs to household	3.98	3.05	3.02	4.07	9.13	9.58	17.10
Health care supplies	17.19	13.84	14.76	14.76	8.79	36.95	16.74
Medicinal and pharmaceutical products	3.93	3.71	3.72	5.49	11.54	7.12	9.11
Prescribed	4.71	4.64	5.35	6.55	19.39	13.82	30.07
Other medicines and pharmaceutical products	6.01	4.67	3.96	6.52	15.91	14.17	14.45
Physicians' care	46.23	35.24	31.85	32.66	40.74	60.02	91.80
Other health care practitioners	8.92	11.64	10.14	11.37	22.04	24.37	78.76
Eye-care goods and services	5.02	5.08	4.64	6.22	10.33	16.40	5.22
Prescription eye wear	5.60	4.99	4.54	5.05	10.42	8.31	7.66
Other eye care goods	6.82	7.01	6.20	6.92	13.47	14.56	21.45
Eye care services (e.g., surgery, exams)	16.63	17.12	19.74	35.88	13.34	50.56	48.46
Dental services	10.74	7.21	5.88	6.63	20.65	27.18	52.45
Hospital care	54.11	32.11	57.52	33.29	59.79	75.73	100.28
Other medical services	36.52	35.91	13.13	31.84	33.84	32.87	114.26
Health insurance premiums	4.68	6.45	2.70	3.46	17.19	19.07	28.61
Public hospital, medical and drug plans	24.39	26.99	2.54	3.25	34.82	30.71	48.10
Private health insurance plans	4.67	6.48	4.93	6.58	19.20	21.20	37.31
Private health care plans (e.g., supplementary coverage, extended benefit packages, drug plans)	5.40	7.99	6.59	8.78	25.20	22.59	60.22
Dental plans	11.77	18.61	9.18	14.06	36.62	37.87	56.96

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
Accident and disability insurance	10.51	11.23	7.86	12.25	18.84	26.81	37.61
Personal care	2.76	2.11	2.15	2.21	5.53	9.41	9.21
Personal care supplies and equipment	3.41	2.56	2.71	2.66	5.98	15.22	13.64
Personal care preparations	3.49	2.98	3.18	2.86	7.50	8.29	12.96
Disposable diapers	13.84	8.06	7.14	9.95	31.10	44.63	19.70
Electric hair-styling and personal care appliances	9.69	7.47	7.79	8.21	11.91	17.53	36.17
Other personal care supplies and equipment	7.91	3.52	5.00	4.50	15.79	8.46	37.44
Personal care services	2.95	2.66	2.58	2.60	8.43	5.39	30.00
Hair grooming	2.88	2.58	2.44	2.40	7.47	7.30	32.23
Other personal services	13.55	13.09	9.07	10.11	22.49	37.63	87.34
Recreation	3.06	3.10	3.33	3.81	8.86	10.89	9.18
Recreation equipment and associated services	3.79	3.93	3.33	3.23	7.90	7.24	17.98
Sports and athletic equipment	7.52	6.27	5.65	5.81	15.95	15.54	11.53
Playground equipment, above-ground pools and accessories	26.25	23.36	26.77	25.62	49.24	33.04	0.00
Toys and children's vehicles	5.31	6.48	5.25	5.43	8.66	16.02	22.59
Electronic games and parts	8.51	7.13	6.31	7.07	16.25	17.67	14.30
Video game rental	13.04	11.59	8.90	8.70	21.52	30.21	99.71
Artists' materials, handicraft and hobbycraft kits and materials	11.19	13.01	17.58	9.35	14.34	13.72	67.72
Computer equipment and supplies	8.47	9.13	6.86	6.99	12.24	19.67	40.32
Computer hardware	10.29	10.17	7.95	8.22	13.38	26.27	39.37
New	11.10	10.53	8.41	8.60	19.44	26.23	43.11
Used	18.44	21.86	20.24	17.73	30.95	34.17	42.77
Computer software	12.05	14.00	8.86	9.22	19.30	21.99	54.22
Computer supplies and other equipment	9.76	9.55	9.08	7.11	10.60	20.33	53.59
Photographic goods and services	4.56	4.45	4.27	4.82	10.09	6.80	33.27
Cameras and accessories	10.93	10.99	12.21	11.32	22.59	15.41	44.13
Films and processing	4.23	3.82	3.85	3.40	9.69	5.71	32.94
Photographers' and other photographic services	9.76	10.46	8.14	15.53	34.38	21.17	54.80
Musical instruments, parts and accessories	28.88	18.81	19.33	23.42	48.27	34.63	26.48
Collectors' items (e.g., stamps, coins)	45.10	17.03	21.91	19.25	51.40	56.84	81.10
Camping, picnic equipment and accessories (excluding BBQ's)	12.22	8.75	9.38	7.77	18.67	25.03	19.39
Supplies and parts for recreational equipment	10.15	11.94	8.93	9.75	20.08	18.71	22.01
Rental, maintenance and repairs of equipment	20.88	23.41	14.45	17.94	22.83	46.06	109.67
Recreation vehicles and associated services	11.74	14.42	12.98	14.75	26.60	28.22	17.64
Purchase of recreation vehicles	15.59	19.81	17.10	25.70	39.56	38.39	24.93
Bicycles, parts and accessories	14.02	12.64	14.84	12.20	25.66	18.51	27.62
Other recreational vehicles and	17.58	21.71	19.10	30.53	41.84	41.32	25.28

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
outboard motors							
Travel trailers	36.73	110.28	29.71	52.50	85.86	77.88	0.00
Tent trailers	60.46	170.81	64.81	80.30	0.00	-102.17	0.00
Motorcycles	-179.41	45.27	41.16	73.24	68.89	268.86	71.34
Snowmobiles	30.77	29.60	33.17	56.88	47.93	19.76	25.82
Motor homes	232.54	96.53	68.09	106.53	81.85	0.00	0.00
Truck campers	100.23	47.99	-269.41	53.19	100.62	0.00	0.00
Boats	62.44	45.27	53.29	137.49	39.85	138.49	51.11
Outboard motors and personal watercraft	78.53	73.48	56.17	73.57	54.91	102.12	53.29
Other recreation vehicle purchases	24.75	38.19	32.44	58.40	99.75	127.25	39.79
Operation of recreational vehicles	11.22	8.66	14.77	9.68	9.71	19.07	11.54
Bicycle maintenance and repairs	28.95	15.52	13.67	14.27	37.05	15.75	83.84
Expenses for rented and leased recreational vehicles	33.07	21.93	29.93	27.82	32.53	54.00	0.00
Gasoline and other fuels	14.26	10.87	12.20	13.65	12.93	22.71	10.70
Supplies and parts	18.40	17.50	33.95	12.99	17.85	21.09	17.78
Maintenance and repair jobs	31.47	19.44	18.88	23.69	26.87	34.68	22.26
Insurance premiums	12.42	15.10	8.93	10.22	17.03	18.27	26.37
Registration fees and licences	14.42	9.99	11.06	15.24	15.46	18.64	20.06
Other expenses for operation of recreational vehicles	33.42	27.61	24.46	21.56	44.45	60.31	0.00
Home entertainment equipment and services	4.35	4.04	3.36	11.95	10.70	7.65	4.66
Equipment	5.46	4.77	4.17	14.85	10.70	9.41	9.74
Audio (e.g., radio, CD players, speakers)	14.12	11.49	7.86	36.39	18.97	20.52	23.76
Compact discs, tapes, videos and video discs	5.55	5.39	4.38	4.62	10.28	12.34	8.34
Blank audio and video tapes	6.54	7.37	6.42	10.01	16.00	22.64	20.26
Televisions, VCRs, camcorders and other television/video component	8.28	8.72	7.95	15.29	23.09	11.10	9.86
Other home entertainment equipment	20.53	13.23	16.58	27.98	35.88	44.12	44.68
Services	6.20	4.55	4.00	3.82	17.65	12.13	34.38
Rental of videotapes and video discs	5.80	4.71	4.03	3.97	18.88	12.75	39.51
Rental of home entertainment equipment and other services	31.54	38.30	39.59	34.80	65.93	61.17	96.80
Maintenance and repair of home entertainment equipment	16.54	12.69	9.45	10.46	29.84	23.29	106.26
Recreation services	4.19	3.81	3.58	4.07	11.47	13.46	18.56
Entertainment	2.22	2.05	1.98	1.94	7.56	6.03	20.06
Movie theatres	4.96	5.62	4.35	4.32	14.27	17.30	64.82
Live sports events	11.54	8.31	9.56	8.77	14.39	21.96	63.51
Live performing arts	9.08	6.98	5.61	5.61	20.57	23.16	26.05
Admission to museums and other activities	6.55	6.49	4.70	7.07	17.30	28.31	42.90
Rental of cablevision and satellite services	2.68	2.42	2.11	1.94	10.06	6.07	18.58
Use of recreation facilities	6.19	5.89	4.92	6.19	20.56	12.97	23.22
Membership fees for sports and	7.26	6.52	7.12	7.81	17.31	14.12	28.12

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
recreation facilities							
Single use fees for sports and recreation facilities	10.93	11.47	7.37	9.19	20.79	22.55	52.21
Video, pinball and carnival games	14.93	10.21	10.52	8.67	22.63	21.41	83.04
Children's camps	12.79	14.00	12.66	12.90	63.75	41.10	56.37
Package travel tours	13.28	14.34	13.16	11.69	47.02	43.81	50.11
Other recreational services	8.14	7.39	9.84	15.93	24.71	12.65	55.02
Reading materials and other printed matter	3.52	2.86	2.94	3.03	12.42	7.61	11.98
Newspapers	3.10	3.26	3.66	3.45	14.66	11.73	24.36
Magazines and periodicals	5.01	4.88	3.52	4.21	12.98	11.47	20.88
Books and pamphlets (excluding school books)	5.88	5.88	6.06	5.34	17.74	13.39	17.71
Maps, sheet music and other printed matter	11.86	9.20	10.89	9.14	13.43	15.61	56.57
Services related to reading materials (e.g., duplicating, library fees)	33.89	11.26	8.64	15.10	23.90	20.77	39.76
Education	8.07	7.11	5.90	7.02	32.86	18.74	27.50
Supplies	6.49	10.58	9.28	16.55	14.25	20.87	18.44
Kindergarten, nursery, elementary and secondary	5.38	5.30	5.86	9.94	13.01	20.80	29.36
Post-secondary	17.19	24.02	17.11	29.13	31.99	30.49	71.44
Textbooks	11.97	9.63	7.81	7.78	26.11	34.12	32.84
Kindergarten, nursery, elementary and secondary	27.74	15.99	12.61	24.64	42.93	29.56	60.96
Post-secondary	12.31	10.68	8.66	8.19	27.04	35.47	38.17
Tuition fees	9.63	8.46	7.21	8.87	45.90	18.94	34.62
Kindergarten, nursery, elementary and secondary	21.38	20.09	15.71	17.06	82.99	69.53	83.34
Post-secondary	11.08	8.87	8.03	9.81	52.23	27.19	30.95
Other courses and lessons (excluding driving)	9.83	10.09	12.12	9.56	23.21	32.44	65.81
Other educational services	23.49	30.17	26.23	28.56	88.25	71.91	0.00
Tobacco products and alcoholic beverages	4.28	4.29	4.08	4.04	8.61	9.28	29.68
Tobacco products and smokers' supplies	5.25	5.24	5.35	5.88	10.99	11.21	17.70
Cigarettes, cigars and tobacco	5.28	5.31	5.38	5.90	11.00	11.41	17.85
Matches and other smokers' supplies	12.54	12.40	9.12	10.52	21.18	14.24	10.56
Alcoholic beverages	5.27	5.44	4.99	4.77	9.69	10.85	56.75
Served on licensed premises	8.30	7.81	7.21	7.52	15.00	20.65	80.66
Purchased from stores	5.01	5.76	5.19	4.84	11.05	9.54	33.11
Self-made alcoholic beverages	25.95	14.86	14.06	9.65	21.33	28.34	81.29
Games of chance (net)	7.95	11.20	8.72	6.46	17.00	26.06	18.91
Government-run lotteries	5.59	5.60	4.91	7.61	16.01	21.69	35.38
Casinos, slot machines, and video	16.00	19.44	15.72	18.63	30.97	50.33	70.07

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
lottery terminals							
Bingos	13.77	17.35	17.19	21.07	40.33	29.10	19.32
Non-government lotteries and raffle tickets	7.27	11.94	9.03	9.67	12.82	18.62	56.29
Winnings from games of chance	-12.04	-20.36	-9.94	-14.01	-44.74	-18.66	-22.55
Miscellaneous expenditures	10.69	7.21	4.62	8.36	8.91	10.93	10.39
Expenses on other property owned	24.68	24.90	16.78	19.66	31.45	49.91	74.01
Legal services not related to dwellings	31.55	20.37	17.99	40.32	36.12	42.10	44.68
Financial services	14.78	8.45	5.15	6.86	15.82	17.69	8.64
Service charges from banks	3.74	3.74	3.60	3.44	10.69	9.95	19.05
Stock and bond commissions	49.89	38.00	17.08	19.36	60.10	70.32	71.42
Administration fees	53.47	34.87	21.00	22.52	27.86	57.49	41.77
Other financial services	7.93	7.39	6.13	5.75	11.73	11.19	21.21
Dues to unions and professional associations	7.18	5.73	6.54	5.89	9.67	16.03	25.04
Contributions and dues for social clubs and other organizations	8.25	7.72	15.90	10.41	22.43	21.58	61.27
Forfeit of deposits, fines, and money lost or stolen	59.16	15.27	11.04	11.51	27.08	39.11	64.45
Tools and equipment purchased for work	27.80	15.79	18.46	18.42	31.22	29.22	70.51
Other miscellaneous goods and services	25.48	30.50	20.97	21.70	44.85	46.01	77.42
Goods	31.95	52.37	42.11	29.41	75.04	67.18	0.00
Services	29.81	30.04	23.78	24.51	39.05	44.91	77.42
Personal taxes	4.23	2.73	2.45	3.32	8.55	9.24	15.11
Income tax on reference year income	2.74	2.29	2.03	2.69	8.28	8.98	12.13
Income tax on income received before reference year	38.11	20.93	15.68	20.70	43.54	39.79	60.53
Other personal taxes	63.13	100.09	83.31	93.43	84.94	96.20	17.63
Tax refunds	-5.04	-6.22	-6.19	-5.19	-11.41	-8.74	-12.77
Personal insurance payments and pension contributions	5.96	7.02	1.95	2.91	8.41	7.80	9.83
Life insurance premiums	6.65	8.28	6.13	7.60	14.14	29.37	31.37
Annuity contracts and transfers to RRIFs	70.11	64.12	73.49	70.48	94.92	0.00	52.56
Employment insurance premiums	0.57	0.83	0.70	0.74	5.08	5.64	9.87
Retirement and pension fund payments	2.49	2.64	2.68	2.32	10.54	8.01	10.27
Canada and Quebec pension plan	1.49	1.80	1.27	1.47	5.02	5.36	9.15
Other government pension funds	10.01	11.23	11.26	8.36	19.67	15.79	46.21
Other retirement or pension funds (excluding RRSP)	8.02	8.14	9.99	8.82	26.12	32.35	52.11
Gifts of money and contributions	7.90	7.27	6.84	7.69	29.62	36.95	34.77
Money and support payments	9.16	9.94	9.90	10.55	33.83	43.23	41.07
Alimony and child support	23.21	17.27	18.05	25.33	35.72	78.48	58.26
Gifts of money and other support	11.66	12.28	10.05	11.33	44.61	25.50	38.03

Technical Table 2b
Coefficients of Variation (%) for Average Household Expenditures, from Manitoba to Nunavut, 1998 - REVISED

	Man.	Sask.	Alb.	B.C.	Yukon	N.W.T.	Nun.
payments to persons living inside Canada							
Gifts of money and other support payments to persons living outside Canada	16.08	22.16	27.17	31.96	63.29	80.86	82.05
Contributions to charity	11.41	5.53	7.76	9.49	27.97	13.37	27.66
Religious organizations	15.02	6.57	10.45	12.92	37.67	20.35	41.25
Non-religious charitable organizations	9.58	9.48	6.21	12.85	16.70	12.64	46.79
Registered retirement savings plans	15.06	17.87	7.59	8.43	19.78	9.11	40.18
Additions, renovations and alterations: contract, labour and material cost	11.75	11.65	9.62	11.56	27.87	31.39	56.02
New installations of equipment and fixtures: contract, labour and material cost	18.85	20.93	16.28	17.42	46.09	41.95	76.17

Blank = CV over 200%

0.00 = item not reported