

National Population Health Survey

Derived Variables Documentation

Cycles 1 to 4

May, 2002

TABLE OF CONTENTS

AL - ALCOHOL	3
AM - ADMINISTRATION	7
CC - CHRONIC CONDITIONS	8
DG - DRUGS	10
DH - HOUSEHOLD VARIABLES (DEMOGRAPHICS).....	12
ED - EDUCATION VARIABLES	18
GE - GEOGRAPHIC VARIABLES	22
GH - GENERAL HEALTH	30
HC - HEALTH CARE UTILIZATION	31
HS - HEALTH STATUS	35
HW - HEIGHT AND WEIGHT	41
IJ - INJURIES	43
IN - INCOME VARIABLES	51
IS - INSURANCE	55
LF - LABOUR FORCE	56
LS - LABOUR STATUS	68
MH - MENTAL HEALTH	72
NU - NUTRITION	76
PA - PHYSICAL ACTIVITY	78
PY - PSYCHOLOGICAL RESOURCES	83
RA - RESTRICTION OF ACTIVITIES	85
SC - SELF CARE	87
SD - SOCIO-DEMOGRAPHIC	88
SH - SEXUAL HEALTH	93
SM - SMOKING	94
SS - SOCIAL SUPPORT	96
ST - STRESS	99
TW - TWO-WEEK DISABILITY	113
WH - PREVENTIVE HEALTH	114
APPENDIX A: RESTRICTION OF ACTIVITY CODES	115
APPENDIX B: DRUG CODING	120

DERIVED VARIABLE SPECIFICATIONS

These specifications describe the derived variables as they appear on the National Population Health survey files. Not all derived variables appear on all files. Children under 12 and those respondents who moved from households into institutions were not asked many sections in the Health component, and thus many of the derived variables are set to "Not applicable". All Cycle 4 derived variables are set to "Not stated" (9 filled) for Cycle 1, Cycle 2 and Cycle 3 respondents who died before the Cycle 4 interview. These differences mean that some care must be taken when comparing Cycle 1, Cycle 2, Cycle 3 and Cycle 4 variables.

AL - ALCOHOL**1.1 Type of Drinker**

Cycle 4 Name: ALC0DTYP

Cycle 3 Name: ALC8DTYP

Cycle 2 Name: ALC6DTYP

Cycle 1 Name: ALC4DTYP (formerly DVALT94)

Source: General Social Survey - Health, Cycle 6 (1991)

Statistics Canada's Web Site: <http://dissemination.statcan.ca/english/sdds/3894.htm>

Based on ALCn_2 and ALCn_5B.

Value of ALCnDTYP	Description	Condition
1	Regular drinker	ALCn_2>1 and ALCn_2<96
2	Occasional drinker	ALCn_2=1
3	Non-drinker now	ALCn_5B=1
4	Never drank	ALCn_5B=2
6	Not applicable	ALCn_2=96 and ALCn_5B=6
9	Not stated	Otherwise

1.2 Weekly Total of Alcohol Consumed

Cycle 4 Name: ALC0DWKY

Cycle 3 Name: ALC8DWKY

Cycle 2 Name: ALC6DWKY

Cycle 1 Name: ALC4DWKY (formerly DVALWV94)

Source: General Social Survey - Health, Cycle 6 (1991)

Statistics Canada's Web Site: <http://dissemination.statcan.ca/english/sdds/3894.htm>

Based on ALCn_5A1 to ALCn_5A7.

Sum of number of drinks consumed, on all days, in the week prior to the interview.

This derived variable is calculated only for those respondents who had at least one drink in the last 12 months. The derived variable is "Not applicable" for persons in institutions, children, and persons who have not had a drink in the last 12 months.

Value of ALCnDWKY	Description	Condition
0 - 693	Number of drinks	Sum of ALCn_5A1 to ALCn_5A7
996	Not applicable	ALCn_5=6
999	Not stated	If any of ALCn_5A1 to ALCn_5A7=997, 998 or 999

1.3 Average Daily Alcohol Consumption

Cycle 4 Name: ALC0DDLY
 Cycle 3 Name: ALC8DDLY
 Cycle 2 Name: ALC6DDLY
 Cycle 1 Name: ALC4DDLY (formerly DVALAV94)

Based on ALCn_5, ALCn_5A1 to ALCn_5A7 and ALCnDWKY.

Weekly total of alcohol consumed divided by 7.

This derived variable is calculated only for those respondents who had at least one drink in the last 12 months. The derived variable is "Not applicable" for persons in institutions, children, and persons who have not had a drink in the last 12 months.

Value of ALCnDDLY	Description	Condition
0 - 99	Average daily volume	ALCnDWKY / 7
96	Not applicable	ALCn_5=6
99	Not stated	If any of ALCn_5A1 to ALCn_5A7=997, 998 or 999

1.4 Alcohol Dependence Scale – Short Form Score

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: AD_6DSF
 Cycle 1 Name: N/A

Source: Kessler R.C., G. Andrews and D. Mroczek et al. «The World Health Organisation Composite Diagnostic Interview Short-Form», *Psychological Medicine*

Based on AD_n_1, AD_n_3 to AD_n_7 and AD_n_9.

The items used to measure alcohol dependence are based on the work of Kessler and Mroczek (from the University of Michigan). The index is based on a subset of items from the Composite International Diagnostic Interview (CIDI). The CIDI is a structure diagnostic instrument that was designed to produce diagnoses according to the definitions and criteria of both Criterion A and Criterion B of the DSM-III-R diagnosis for Psychoactive Substance Use Disorder. See the AD_6DPP table below.

Internet Site: Institute for Social Research / Survey Research Center, University of Michigan:
www.isr.umich.edu/src/
 Composite International Diagnostic Interview (CIDI) : www.who.int/msa/cidi/index.htm

1.5 Alcohol Dependence Scale – Predicated Probability

Cycle 4 Name: N/A

Cycle 3 Name: N/A

Cycle 2 Name: AD_6DPP

Cycle 1 Name: N/A

Based on AD_nDSF. (Source: AD_n_1, AD_n_3 to AD_n_7 and AD_n_9)

The predicted probability of alcohol dependence was assigned based on the short-form score (AD_nDSF). The short-form measure of Alcohol Dependence was developed to reproduce a measure that operationalized both Criterion A and Criterion B of the DSM-III-R diagnosis for Psychoactive Substance Use Disorder. A predicted probability of 0 was assigned to respondents who denied the stem questions. See table below. The optimal dichotomous classification rule is to define all respondents with a short-form score of 3 or more as probable cases and all those with scores of 0 through 2 as non-probable cases.

Based on the information obtained from the National Co-morbidity Survey (in the U.S.), the score on the screening scale was cross-classified against Alcohol Dependence caseness designations based on the CIDI diagnostic computer program.

Internet Site: National Comorbidity Survey : www.hcp.med.harvard.edu/ncs/

Composite International Diagnostic Interview (CIDI) : www.who.int/msa/cidi/index.htm

The NPHS uses the full range of questions developed by Kessler and Mroczek to derive the measure of alcohol dependence. In Kessler and Mroczek, however, respondents who drank 4 drinks or more at one occasion during the last 12 months would be asked the questions. In the NPHS, respondents who had 5 drinks or more at least once a month during the last 12 months answered the Alcohol Dependence questions.

Short Form Score (AD_nDSF)	Short Probability of CIDI Caseness (AD_nDPP)*	Long Probability of CIDI Caseness (AD_nDPP)
0	0.00	0.0003
1	0.05	0.0614
2	0.40	0.3874
3	0.85	0.8411
4	1.00	1.0000
5	1.00	1.0000
6	1.00	1.0000
7	1.00	1.0000
96 (N/A)	9.96 (N/A)	6 (N/A)
99 (NS)	9.99 (NS)	9 (NS)

* For ease of data interpretation the Short Version of the Probability of CIDI Caseness will be used in the NPHS data sets

ALCOHOL VARIABLES DROPPED IN CYCLE 4:**1. Single Reason For Reducing Or Quit Drinking**

Cycle 4 Name: N/A

Cycle 3 Name: ALC8D7

Cycle 2 Name: ALC6D7

Cycle 1 Name: N/A

Reason: Cell counts too small**2. Single Reason For Reducing Or Quit Drinking - Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: ALC8G7

Cycle 2 Name: ALC6G7

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

AM - ADMINISTRATION**2.1 Duration of Time Between H06 Interviews**

Cycle 4 Name: AM60LDUR

Cycle 3 Name: AM68LDUR

Cycle 2 Name: AM66LDUR

Cycle 1 Name: N/A

Based on AM6n_BDD, AM6n_BMM and AM6n_BYY.

Duration is calculated in days.

Minimum: A (N minus 1) QTR5 interview done in QTR1 in cycle N. (approx. 336 days).

Maximum: A QTR1 interview in cycle (N minus 1) done in QTR5 in cycle N (approx. 1125 days).

If any part of either date is missing, the variable is set to "Not stated".

2.2 Longitudinal Response Pattern

Longitudinal Name: LONGPAT

This variable concatenates all response patterns over the years (the 1st digit being Cycle 1 (1994), the 2nd, Cycle 2 (1996), etc.). In each cycle, the latest response code is concatenated to the longitudinal response pattern from the previous cycle. The codes for each cycle are:

Value of LONGPAT	Description	Condition
1	Fully complete	APPSTAT<>450 and SP3n_STA=700
2	Deceased	SP3n_STA=640, 642 or 644
3	Institutionalized (Interviewed with the Institutions Survey)	APPSTAT=450 and SP3n_STA=710 or SP3n_STA=700
4	Partially complete	APPSTAT<>450 and SP3n_STA=710
5	Non-response	Otherwise

For example, for a record with LONGPAT=1534, this respondent completed the survey in Cycle 1, was a non-response in Cycle 2, completed the Institution questionnaire in Cycle 3 and was partially complete in Cycle 4.

CC - CHRONIC CONDITIONS**3.1 Number of Chronic Conditions**

Cycle 4 Name: CCC0DNUM

Cycle 3 Name: CCC8DNUM

Cycle 2 Name: CCC6DNUM

Cycle 1 Name: CCC4DNUM

Based on CCC_n_1A to CCC_n_1X.

If the person answering either refused or didn't know whether the respondent has a chronic condition, then the number of conditions variable is set to "Not stated".

Note: This variable is "Not applicable" for residents of institutions. The number of chronic conditions in Cycle 4 has not changed but "sinusitis" (CCC_n_1I) was dropped and "fibromyalgia" (CCC_n_1X) was added. Since CCC_nDNUM and CCC_nDANY are based only on counts of chronic conditions, this change does not affect the calculation of these 2 derived variables.

Value of CCC _n DNUM	Description	Condition
0-22	Number of chronic conditions	Sum of "yes" answers for CCC _n _1A to CCC _n _1X
96	Not applicable	CCC _n _1A=6
99	Not stated	Any of CCC _n _1A to 1X=7, 8 or 9 and none have a "Yes" answer

3.2 Has a Chronic Condition

Cycle 4 Name: CCC0DANY

Cycle 3 Name: CCC8DANY

Cycle 2 Name: CCC6DANY

Cycle 1 Name: CCC4DANY

Based on CCC_nDNUM. (Source: CCC_n_1A to CCC_n_1X).See CCC_nDNUM 2000 below.1994:

CCC4DANY represents whether or not the respondent had any chronic conditions, based upon the answer to CCC4_1 V. In 1994, this was a separate answer that was available as the last selection of CHRON-Q1, a mark-all (in the master file as CCC4_NON). This variable was confusing, since "yes" meant the respondent had no chronic conditions.

Value of CCC4DANY	Description	Condition
1	Yes	CCC4_NON=2
2	No	CCC4_NON=1
6	Not applicable	CCC4_NON=6
9	Not stated	CCC4_NON=7, 8 or 9

Specifications: Change the name of the variable CCC4_NON to CCC4DANY

1996, 1998 and 2000:

CCC6DANY, CCC8DANY and CCC0DANY represent whether the respondent has any chronic conditions, based on the answers CCCn_1A to CCCn_1V (CCCn_1X in 2000).

Note: this variable was set to "Not applicable" for residents of institutions.

2000:

The number of chronic conditions in Cycle 4 has not changed but "sinusitis" (CCcn_1I) was dropped and "fibromyalgia" (CCcn_1X) was added. Since CCcnDNUM and CCcnDANY are based only on counts of chronic conditions, this change does not affect the calculation of these 2 derived variables.

Value of CCcnDANY	Description	Condition
1	Yes	CCcnDNUM>0 (One of CCcn_1A to CCcn_1X is a "Yes" answer).
2	No	None of CCcn_1A to CCcn_1X is a "Yes" answer).
6	Not applicable	CCcnDNUM=96 (CCcn_1A=6)
9	Not stated	Any of CCcn_1A to CCcn_1X is 7, 8 or 9 and all other answers are "No" or "Not applicable".

CHRONIC CONDITION VARIABLES DROPPED IN CYCLE 4:

1. **Number of Chronic Conditions – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: CCC8GNUM

Cycle 2 Name: CCC6GNUM

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

DG - DRUGS**4.1 Flag for Medications Taken**

Cycle 4 Name: DGC0F1

Cycle 3 Name: DGC8F1

Cycle 2 Name: DGC6F1

Cycle 1 Name: DGC4F1

Based on DGCn_1A to 1V, DHCn_SEX and DHCn_AGE.

Whether or not the respondent took any drugs in the last month, based upon the answers to DGCn_1A to 1V. In 1994, this was a separate answer, which was available as the last selection of DRG_Q1, a "Mark All That Apply" question (in the master file as DRGQ1_V). In 1996, the question became a series of yes/no questions instead of a "Mark All That Apply" question. This derived variable replaces the answer of "none" to DRG_Q1.

Value of DGCnF1	Description	Condition
1	Has taken at least 1 drug in the past month	Any of DGCn_1A to 1V=1
2	Has not taken any drugs in the past month	All DGCn_1A to 1V=2. If DHCn_SEX=1, exclude DGCn_1S and DGCn_1T; If DHCn_SEX=2 and DHCn_AGE<=29, exclude DGCn_1T; If DHCn_SEX=2 and DHCn_AGE>=50, exclude DGCn_1S
6	Not applicable	DGCn_1A=6
9	Not stated	Any other conditions

4.2 Coded Drug #1 to Drug #12

Cycle 4 Name: DGC0C3A to DGC0C3L

Cycle 3 Name: DGC8C3A to DGC8C3L

Cycle 2 Name: DGC6C3A to DGC6C3L

Cycle 1 Name: DGC4C3A to DGC4C3L

The drug classification is based on the Anatomical Therapeutic Chemical (ATC) Classification System. A complete list of the codes is available by special request.

4.3 Coded Drug #1 to Drug #12 - Grouped

Cycle 4 Name: DGC0G3A to DGC0G3L

Cycle 3 Name: DGC8G3A to DGC8G3L

Cycle 2 Name: DGC6G3A to DGC6G3L

Cycle 1 Name: N/A

Based on DGCnC3A to DGCnC3L. See Appendix B.

The drug classification is based on the Anatomical Therapeutic Chemical (ATC) Classification System. The codes used are not the actual ATC codes, but are numbers from 1 to 26 that correspond to the first letter of the drug code ranging from A to Z. See Appendix B for the code list.

4.4 Coded Health Product #1 to Health Product #12

Cycle 4 Name: DGC0C5A to DGC0C5L

Cycle 3 Name: DGC8C5A to DGC8C5L

Cycle 2 Name: DGC6C5A to DGC6C5L

Cycle 1 Name: DGC4C5A to DGC4C5L

The drug classification is based on the Anatomical Therapeutic Chemical (ATC) Classification System. A complete list of the codes is available by special request.

4.5 Coded Health Product #1 to Health Product #12 - Grouped

Cycle 4 Name: DGC0G5A to DGC0G5L

Cycle 3 Name: DGC8G5A to DGC8G5L

Cycle 2 Name: DGC6G5A to DGC6G5L

Cycle 1 Name: N/A

Based on DGCnC5A to DGCnC5L See Appendix B.

The drug classification is based on the Anatomical Therapeutic Chemical (ATC) Classification System. The codes used are not the actual ATC codes, but are numbers from 1 to 26 that correspond to the first letter of the drug code ranging from A to Z. See Appendix B for the code list.

DH - HOUSEHOLD VARIABLES (DEMOGRAPHICS)**5.1 Kind of Pet**

Cycle 4 Name: N/A

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: DH_4DP2 (*formerly KINDPET*)

Based on DH_n_P1.

Due to the "Mark All That Apply" question of kind of pets in home, categories 1-6 are a combination of cats and dogs and other; category 7 is other pets only. Asked in 1994 only.

Value of DH_nDP2	Description	Condition
1	Cat(s) only	DH_n_PI=2
2	Cat(s) and dog(s)	DH_n_PI=1 and DH_n_PI=2
3	Cat(s) and dog(s) and other	DH_n_PI=1 and DH_n_PI=2 and DH_n_PI=3
4	Cat(s) and other	DH_n_PI=2 and DH_n_PI=3
5	Dog(s) only	DH_n_PI=1
6	Dog(s) and other	DH_n_PI=1 and DH_n_PI=3
7	Other only	DH_n_PI=3
96	Not applicable	DH_n_PI=6
99	Not stated	DH_n_PI=7, 8 or 9

5.2 Household Size

Cycle 4 Name: DHC0DHSZ

Cycle 3 Name: DHC8DHSZ

Cycle 2 Name: DHC6DHSZ

Cycle 1 Name: DHC4DHSZ (*formerly HHSIZE*)

Based on DHCn_MEM.

Count of Personid's within each Realukey.

5.3 Number of Persons Less than 25 Years Old in Household

Cycle 4 Name: N/A

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: DHC4DL25 (*formerly NUMLT25*)

Based on DHCn_AGE.

Count of Personid's within each Realukey with a DHCn_AGE value less than 25.

5.4 Number of Persons Less than 12 Years Old in Household

Cycle 4 Name: DHC0DL12
Cycle 3 Name: DHC8DL12
Cycle 2 Name: DHC6DL12
Cycle 1 Name: DHC4DL12 (formerly NUMLT12)

Based on DHCn_AGE.

Count of Personid's within each Realukey with a DHCn_AGE value less than 12.

5.5 Number of Persons 12 Years Old in Household

Cycle 4 Name: DHC0DE12
Cycle 3 Name: DHC8DE12
Cycle 2 Name: DHC6DE12
Cycle 1 Name: DHC4DE12 (formerly NUMEQ12)

Based on DHCn_AGE.

Count the number of Personid's within each Realukey with a DHCn_AGE value equal to 12.

5.6 Number of Persons 5 Years Old or Less in Household

Cycle 4 Name: DHC0DLE5
Cycle 3 Name: DHC8DLE5
Cycle 2 Name: DHC6DLE5
Cycle 1 Name: DHC4DLE5 (formerly NUMLE5)

Based on DHCn_AGE.

Count of Personid's within each Realukey with a DHCn_AGE value less than 6.

5.7 Number of Persons 6 to 11 Years Old in Household

Cycle 4 Name: DHC0D611
Cycle 3 Name: DHC8D611
Cycle 2 Name: DHC6D611
Cycle 1 Name: DHC4D611 (formerly NUM6TO11)

Based on DHCn_AGE.

Count of Personid's within each Realukey with a DHCn_AGE value between 6 and 11.

5.8 Age - Grouped

Cycle 4 Name: DHC0GAGE
Cycle 3 Name: DHC8GAGE
Cycle 2 Name: DHC6GAGE
Cycle 1 Name: DHC4GAGE (formerly AGEGRP)

Based on DHCn_AGE.

Value of DHCnGAGE	Description	Condition
1	0 to 3 Years	DHCn_AGE > 0 and DHCn_AGE < 4
2	4 to 5 Years	DHCn_AGE > 3 and DHCn_AGE < 6
3	6 to 9 Years	DHCn_AGE > 5 and DHCn_AGE < 10
4	10 to 11 Years	DHCn_AGE > 9 and DHCn_AGE < 12
5	12 to 14 Years	DHCn_AGE > 11 and DHCn_AGE < 15
6	15 to 19 Years	DHCn_AGE > 14 and DHCn_AGE < 20
7	20 to 24 Years	DHCn_AGE > 19 and DHCn_AGE < 25
8	25 to 29 Years	DHCn_AGE > 24 and DHCn_AGE < 30
9	30 to 34 Years	DHCn_AGE > 29 and DHCn_AGE < 35
10	35 to 39 Years	DHCn_AGE > 34 and DHCn_AGE < 40
11	40 to 44 Years	DHCn_AGE > 39 and DHCn_AGE < 45
12	45 to 49 Years	DHCn_AGE > 44 and DHCn_AGE < 50
13	50 to 54 Years	DHCn_AGE > 49 and DHCn_AGE < 55
14	55 to 59 Years	DHCn_AGE > 54 and DHCn_AGE < 60
15	60 to 64 Years	DHCn_AGE > 59 and DHCn_AGE < 65
16	65 to 69 Years	DHCn_AGE > 64 and DHCn_AGE < 70
17	70 to 74 Years	DHCn_AGE > 69 and DHCn_AGE < 75
18	75 to 79 Years	DHCn_AGE > 74 and DHCn_AGE < 80
19	80 Years or Older	DHCn_AGE > 79
99	Not stated	Otherwise

5.9 Type of Household

Cycle 4 Name: DHC0DECF

Cycle 3 Name: DHC8DECF

Cycle 2 Name: DHC6DECF

Cycle 1 Name: DHC4DECF (formerly DVECFM94)

Based on the relationship matrix.

This derived variable was created to indicate the living arrangements within the household. It was based on the ages and reported relationships of each person to all others in the household.

Two variables that describe the family relationships within the household (DHCnDECF) and between the selected respondent and the rest of the household (DHCnDLVG) are collected using a set of relationship codes that define a link between each person in a household. This matrix of relationships is not placed on the master file. The codes used to describe the relationships are different for Cycle 1 compared with the following cycles, but the variables derived from the relationships are comparable.

Value of DHCnDECF	Description	Condition
1	Unattached individual	Unattached individual living alone. Household size=1.
2	Unattached individual living with others	Unattached individuals living together. There cannot be a marital/common-law or parental relationship but other relationships such as siblings are allowed.
3	Couple alone	Married or common-law with no dependent children. No other relationships are permitted. Household size=2.
4	Couple with no dependent children, others	Married or common-law with no dependent children. There can be no parent/child relationships. Other relationships are permitted.
5	Couple with dependent children<25	Married or common-law couple with at least one partner being the parent of the dependent child. No other relationships are allowed.
6	Couple with dependent child(ren)<25 and others	At least one partner must be the parent of one child < 25 years old in the household. Other relationships are allowed.
7	Couple with all children>=25	Married or common-law couple with all children >= 25 years old. No other relationships are permitted.
8	Couple with all children>=25, others	Married or common-law couple with all children >= 25 years old. Any other relationships are allowed.
9	Female lone parent With children<25	One child must be < 25 years old. Only parent/child relationships are permitted.
10	Female lone parent with children<25, others	One child must be < 25 years old. Other relationships are allowed.
11	Female lone parent with all children>=25	All children must be >= 25 years old. No other relationships are permitted.
12	Female lone parent with all children>=25, others	All children must be >=25 years old. Other relationships are allowed.
13	Male lone parent with children<25	One child must be < 25 years old. Only parent/child relationships are permitted.
14	Male lone parent with children<25, others	One child must be <25 years old. Other relationships are allowed.
15	Male lone parent with all children>=25	All children must be >=25 years old. No other relationships are permitted.
16	Male lone parent with all children>=25, others	All children must be >=25 years old. Other relationships are allowed.
17	Other household types	All other household types not classified above.
99	Not stated	Otherwise

5.10 **Living Arrangement of the Selected Respondent**

Cycle 4 Name: DHC0DLVG

Cycle 3 Name: DHC8DLVG

Cycle 2 Name: DHC6DLVG

Cycle 1 Name: DHC4DLVG (formerly DVLVNG94)

Based on the relationship matrix.

This variable provides the household composition in relation to the selected respondent. It is based on the reported relationship of each person to the respondent.

Value of DHCnDLVG	Description	Condition
1	Unattached individual living alone	Selected respondent lives alone. Household size=1.
2	Unattached individual living with others	Selected respondent lives with others. S/he cannot have a marital/common-law or parental relationship but other relationships such as siblings are allowed.
3	Living with spouse/partner	Selected respondent lives with spouse/partner only. Household size=2.
4	Parent living with spouse/partner and children	Selected respondent lives with spouse/partner and child(ren).
5	Single parent living with children	Selected respondent lives with child(ren). No other relationships are permitted.
6	Child living with single parent	Selected respondent is a child living with a single parent. Household size=2.
7	Child living with single parent and siblings	Selected respondent is a child living with a single parent and siblings.
8	Child living with two parents	Selected respondent is a child living with two parents. Household size=3.
9	Child living with two parents and siblings	Selected respondent is a child living with two parents and siblings.
10	Other	Selected respondent lives in a household composition not classified above.
99	Not stated	Otherwise

HOUSEHOLD VARIABLES DROPPED IN CYCLE 4:**1. Number of Bedrooms – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: DHC8GBED

Cycle 2 Name: DHC6GBED

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**2. Number of Bedrooms – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: DHC8GBD5

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

3. **Marital Status – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: DHC8GMAR
Cycle 2 Name: DHC6GMAR
Cycle 1 Name: DHC4GMAR (formerly MARSTATG)
Reason: Grouped variable (PUMF only)
4. **Household Size – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: DHC8GHSZ
Cycle 2 Name: DHC6GHSZ
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
5. **Type of Household - Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: DHC8GECF
Cycle 2 Name: DHC6GECF
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
6. **Type of Household - Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: DHC8GEF7
Cycle 2 Name: N/A
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
7. **Any Persons 5 Years Old or Less in Household - Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: DHC8GLE5
Cycle 2 Name: DHC6GLE5
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
8. **Any Persons 6 to 11 Years Old in Household - Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: DHC8G611
Cycle 2 Name: DHC6G611
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)

ED - EDUCATION VARIABLES**6.1 Highest Level of Education – 14 Levels**

Cycle 4 Name: EDC0D1

Cycle 3 Name: EDC8D1

Cycle 2 Name: EDC6D1

Cycle 1 Name: EDC4D1 (formerly DVEDC194)

Based on EDCn_4, EDCn_5, EDCn_7 and DESIGPRV.

Value of EDCnD1*	Description	Condition
6	Some trade school	EDCn_7=1
7	Some community college	EDCn_7=2
8	Some university	EDCn_7=3
9	Diploma/Certificate – trade school	EDCn_7=4
10	Diploma/Certificate – community college, CEGEP	EDCn_7=5
11	Bachelor degree (includes LLB, LLL)	EDCn_7=6
12	Master degree	EDCn_7=7
13	Degree in medicine, M.D./D.D.S./D.M.D./D.V.M./D.D.	EDCn_7=8
14	Earned doctorate	EDCn_7=9
5	Other post-secondary	EDCn_7=10
4	Secondary school graduation	EDCn_5=1
1	No schooling	EDCn_4=1
2	Elementary school	EDCn_4 in (2,3) & DESIGPRV in (10,11,12,13,24,48) or EDCn_4 in (2,3,4,5) & DESIGPRV in (35,46,47) or EDCn_4 in (2,3,4) & DESIGPRV in (59)
3	Some secondary school	EDCn_4 in (4,5,6,7,8,9,10) & DESIGPRV in (10,11,12,13,24,48) or EDCn_4 in (6,7,8,9,10) & DESIGPRV in (35,46,47) or EDCn_4 in (5,6,7,8,9,10) & DESIGPRV in (59)
96	Not applicable (respondent less than 12 years old)	EDCn_4=96
99	Not stated	Otherwise

* The order of this table reflects the order that conditions are verified, each condition being verified only when the preceding one is false.

6.2 Highest Level of Education – 12 Levels

Cycle 4 Name: EDC0D2

Cycle 3 Name: EDC8D2

Cycle 2 Name: EDC6D2

Cycle 1 Name: EDC4D2 (formerly DVEDC294)

Based on EDCn_4, EDCn_5, EDCn_7 and DESIGPRV.

Value of EDCnD2*	Description	Condition
6	Some trade school	EDCn_7=1
7	Some community college	EDCn_7=2
8	Some university	EDCn_7=3
9	Diploma/certificate – trade school	EDCn_7=4
10	Diploma/certificate – community college, CEGEP	EDCn_7=5
11	Bachelor degree (includes LLB, LLL)	EDCn_7=6
12	Master / Degree in medicine / Doctorate	EDCn_7 in (7,8,9)
5	Other post-secondary	EDCn_7=10
4	Secondary school graduation	EDCn_5=1
1	No Schooling	EDCn_4=1
2	Elementary school	EDCn_4 in (2,3) & DESIGPRV in (10,11,12,13,24,48) or EDCn_4 in (2,3,4,5) & DESIGPRV in (35,46,47) or EDCn_4 in (2,3,4) & DESIGPRV in (59)
3	Some secondary school (no diploma)	EDCn_4 in (4,5,6,7,8,9,10) & DESIGPRV in (10,11,12,13,24,48) or EDCn_4 in (6,7,8,9,10) & DESIGPRV in (35,46,47) or EDCn_4 in (5,6,7,8,9,10) & DESIGPRV in (59)
96	Not applicable (respondent less than 12 years old)	EDCn_4=96
99	Not stated	Otherwise

* The order of this table reflects the order that conditions are verified, each condition being verified only when the preceding one is false.

6.3 Highest Level of Education – 4 Levels

Cycle 4 Name: EDC0D3

Cycle 3 Name: EDC8D3

Cycle 2 Name: EDC6D3

Cycle 1 Name: EDC4D3 (formerly DVEDC394)

Based on EDCn_4, EDCn_5 and EDCn_7.

Value of EDCnD3*	Description	Condition
3	Some post-secondary	EDCn_7 in (1,2,3,10)
4	Post-secondary graduation	EDCn_7 in (4,5,6,7,8,9)
2	Secondary school graduation	EDCn_5=1
1	Less than secondary school graduation	EDCn_4<96
6	Not applicable	EDCn_4=96
9	Not stated	Otherwise

* The order of this table reflects the order that conditions are verified, each condition being verified only when the preceding one is false.

6.4 Labour Force Activity of Students

Cycle 4 Name: N/A (replaced by LSC0DSWS)

Cycle 3 Name: EDC8DLF

Cycle 2 Name: EDC6DLF

Cycle 1 Name: EDC4DLF (formerly DVEDLF94)

Based on EDCn_1, EDCn_2, DHCn_AGE and LFCnDCWS. (Source: LFC8_2, LFC8_61 to LFC8_63, LFC8_51M and LFC8_71M).

Note: Error in 1994 corrected on longitudinal file (some current students in appropriate age groups skipped DV). Also, age groups for input variables changed between 1994 and 1996. In 1994, current attendance at school asked of 15 to 64 years old, and labour force questions asked of 15 years and older. In 1996, current attendance at school asked of 12 years old and older, and labour force questions asked of 15 to 75 years old. Derived variable is calculated for age groups appropriate to each cycle.

Value of EDCnDLF	Description	Condition
1	Worked/school full time	EDCn_1=1 & EDCn_2=1 & LFCnDCWS=1 or 2 or 4
2	Worked/school part time	EDCn_1=1 & EDCn_2=2 & LFCnDCWS=1 or 2 or 4
3	Did not work/school full time	EDCn_1=1 & EDCn_2=1 & LFCnDCWS=3
4	Did not work/school part time	EDCn_1=1 & EDCn_2=2 & LFCnDCWS=3
6	Not applicable	EDCn_1=2 or EDCn_1=6 or LFCnDCWS=6; DHCn_AGE=<15 or >75
9	Not stated	Otherwise

EDUCATION VARIABLES DROPPED IN CYCLE 4:**1. Highest Level of Education – 7 Levels - Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: EDC8G7

Cycle 2 Name: EDC6G7

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**2. Highest Level of Education – 6 Levels - Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: EDC8G6

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

GE - GEOGRAPHIC VARIABLES

The basis for creation of the majority of the 2000 Geographic derived variables was a link between the postal code of the respondent's residence and the June 2001 Postal Code Conversion File (PCCF). The 2001 PCCF contains 1996 standard census geographic codes. These codes are the same as those used in Cycle 3 but may differ from the 1991 codes used for Cycle 1 and Cycle 2 of the NPHS. Derived geographic variables were produced for all longitudinal panel members.

The PCCF provides the correspondence between the six character postal code and Statistics Canada's standard geographical areas (e.g., Census divisions, Census subdivisions, Federal Electoral Districts) for which census data and other statistics are produced. The most basic standard geographic area is the Enumeration Area (EA). An EA is the geographic area canvassed by one census representative. All other standard geographic areas are agglomerations of EAs. Thus there is precisely one record on the PCCF for each valid combination of postal code and EA. The 1996 Census EA definition was used to perform the link in Cycle 4 and Cycle 3. Cycle 1 and Cycle 2 used the 1991 Census geography that was available at the time that these variables were created.

Because of the change from 1991 Census geography to 1996 Census geography, comparisons across cycles between estimates affected by these geographic derived variables should be interpreted with caution. The boundaries defining any of the geographic areas may have changed. For example, areas that were previously on the fringe of a Census Metropolitan Area (CMA) may now be in the CMA, or areas that were previously classified as rural may now be classified as urban.

Each record on the PCCF gives the geographic codes corresponding to a particular postal code/EA pair. When the area covered by a postal code intersects more than one EA there are multiple records on the PCCF for that postal code (the 2001 PCCF contains 961,624 records). For each postal code there is one record on the PCCF which is identified as the unique best match, and this is the record that was used to produce derived geographic variables for the NPHS. The unique best EA generally corresponds to the EA covering the largest range of street addresses covered by the postal code. In some rural areas where address ranges were not available the unique match corresponds to the EA representing the location of the post office.

For respondents of the longitudinal panel the postal code used in the match to the PCCF came from the 2000 Address Register that contains the most accurate information available about respondents' addresses at the time of data collection. An attempt was first made to match the six-character listing address postal code to the PCCF. If this was not possible an attempt was made to match on only the first five characters, then the first four, and finally the first three (i.e., the forward sortation area or FSA), keeping the first match found. If none of these matches was successful attempts were made to match on the six-character mailing address postal code, followed by the first five characters, then the first four characters, and finally the FSA of the mailing address postal code. If none of these procedures were successful then the derived geographic variables, including the postal code, were set to the "Not stated" codes. In the vast majority of cases it was possible to match on the full six-character listing address postal code.

For non-respondent members of the longitudinal panel the postal code was also taken from the 2000 Address Register. The same method mentioned above is used for the non-respondents. This differs from what was done in Cycle 1, Cycle 2, and Cycle 3 when the postal code for non-respondents was taken from the previous year's master file. It was decided this cycle that the AR would give the most accurate postal code (which will lead to more accurate weighting adjustments for non-response).

The final step in producing the geographic derived variables for Cycle 1, Cycle 2 and Cycle 3 was to verify that the province derived from the match to the PCCF was the same as the already existing variable ACTUPRV (derived from collection files). In these cycles if these two variables did not match, the province variable on the master file was left equal to ACTUPRV and the derived geographic variables were set to their "Not stated" codes. In Cycle 4 this was not necessary because ACTUPRV was set to the province of the living or mailing address from the Address Register. This province corresponds to the postal code that is used for the PCCF match so the two variables (ACTUPRV and the province from the match to the PCCF) are always the same.

Statistics Canada's Web Site: <http://dissemination.statcan.ca/english/IPS/Data/92F0027XDB.htm>

7.1 Rural and Urban Area

Cycle 4 Name: GE30DURB
 Cycle 3 Name: GE38DURB
 Cycle 2 Name: GE36DURB
 Cycle 1 Name: GE34DURB (*formerly DVURBA*)

This field indicates whether the EA is in a rural or an urban area. Urban areas are those continuously built-up areas having a population concentration of 1,000 or more and a population density of 400 or more per square kilometre based on the previous census. To be considered as continuous, the built-up area must not have a discontinuity exceeding two kilometres. This is the definition used by the PCCF.

This definition of urban/rural may not correspond to the areas that Canada Post identifies as urban or rural postal codes. It should be noted that this definition is also different from that used for the 1994 NPHS geographic derived variables. For the 1994 data, the urban/rural variable was based on the definition coming from the Labour Force Survey outside of the province of Québec, and the Enquête Sociale et de Santé in Québec, from which the NPHS was designed. A two-digit "group" number was embedded in the REALUKEY. If the "group" number was between 61 and 98 or 99(remote) then GE34DURB=1 (rural). If the group number was any other number, then GE34DURB=2 (urban). If households were contacted by RDD, then GE34DURB=6 ("Not applicable") and for Quebec households, a digit of the stratum number indicated whether the household was rural or urban.

For 1996, this variable was derived based on PCCF values. If the value on the PCCF file was 0 then GE36DURB=1 (rural) and if the value on the PCCF file was 1 then GE36DURB=2 (urban). Users of the longitudinal file may notice differences in estimates calculated at the urban/rural level using the 1994 and 1996 urban/rural indicator. These differences may be a result of the change in definition and not necessarily due to movers.

For 1998 and 2000, this variable was again derived based on PCCF values. The following table shows the correspondence:

Value of GE3nDURB	Description	Condition
1	Rural fringe	PCCF=3
1	Rural area outside CMA/CA	PCCF=5
2	Urban core	PCCF=1
2	Urban fringe	PCCF=2
2	Urban area outside CMA/CA	PCCF=4
9	Not Stated	Unmatched to PCCF – no postal code

7.2 Census Division

Cycle 4 Name: GE30DCD (based on 1996 Census Geography)
 Cycle 3 Name: GE38DCD (based on 1996 Census Geography)
 Cycle 2 Name: GE36DCD (based on 1991 Census Geography)
 Cycle 1 Name: GE34DCD (based on 1991 Census Geography) (*formerly DVCDA*)

The Census Division refers to geographic areas established by provincial law, which are intermediate geographic areas between the census subdivision and the province (e.g., divisions, counties, regional districts, regional municipalities and seven other types of geographic areas made up of groups of census subdivisions). In Newfoundland, Manitoba, Saskatchewan and Alberta, provincial law does not provide for these administrative geographic areas. Therefore, census divisions have been created by Statistics Canada in co-operation with these provinces.

7.3 Census Sub-division

Cycle 4 Name: GE30DCSD (based on 1996 Census Geography)
 Cycle 3 Name: GE38DCSD (based on 1996 Census Geography)
 Cycle 2 Name: GE36DCSD (based on 1991 Census Geography)
 Cycle 1 Name: GE34DCSD (based on 1991 Census Geography) (*formerly DVCSDA*)

The Census Subdivision is the general term applying to municipalities (as determined by provincial legislation) or their equivalent, (e.g., Indian reserves, Indian settlements and unorganized territories). In Newfoundland, Nova Scotia and British Columbia, the term also describes geographic areas that have been created by Statistics Canada in co-operation with the provinces as equivalents for municipalities.

7.4 **Census Metropolitan Area**

Cycle 4 Name: GE30DCMA (based on 1996 Census Geography)

Cycle 3 Name: GE38DCMA (based on 1996 Census Geography)

Cycle 2 Name: GE36DCMA (based on 1991 Census Geography)

Cycle 1 Name: GE34DCMA (based on 1991 Census Geography) (*formerly DVCMAA*)

The general concept of a census metropolitan area (CMA) is one of a very large urban area, together with adjacent urban and rural areas, which have a high degree of economic and social integration with that urban area. A CMA is delineated around an urban area (called the urbanized core and having a population of at least 100,000, based on the previous census). There are 25 CMAs according to the 1996 Census.

000=No CMA Assigned

001=St. John's

205=Halifax

310=Saint John

408=Chicoutimi

421=Quebec

433=Sherbrooke

442=Trois-Rivières

462=Montreal

505=Ottawa/Hull

532=Oshawa

535=Toronto

537=Hamilton

539=St. Catharines

541=Kitchener

555=London

559=Windsor

580=Sudbury

595=Thunder Bay

602=Winnipeg

705=Regina

725=Saskatoon

825=Calgary

835=Edmonton

933=Vancouver

935=Victoria

996=Not applicable

999=Not stated

7.5 **Federal Electoral Districts**

Cycle 4 Name: GE30DFED (based on 1996 Census Geography)

Cycle 3 Name: GE38DFED (based on 1996 Census Geography)

Cycle 2 Name: GE36DFED (based on 1991 Census Geography)

Cycle 1 Name: GE34DFED (based on 1991 Census Geography) (*formerly DVFEDA*)

A federal electoral district refers to any place or territorial area entitled to return a member to serve in the House of Commons (Source: Canada Elections Act, 1990). There are 295 FEDs in Canada according to the 1987 Representation Order. The FED variables must be used in conjunction with a province variable (PRCn_CUR) in order to define a geographic area.

7.6 Health Regions

Cycle 4 Name: N/A
Cycle 3 Name: N/A
Cycle 2 Name: GE36DHLR
Cycle 1 Name: GE34DHLR (*formerly DVHLRGA*)

In Cycle 1 (1994), health region was a two digit number. The following presents the correspondence between the number and the provincial name for the Health Areas in 1994:

*/*Ontario*/*
51=East
52=Central East
53=Central West
54=Southwest
55=Northeastern/Northwestern

*/*Manitoba*/*
61=Central
62=Eastman
63=Interlake
64=Norman and Thompson
65=Parklands
67=Westman
68=Winnipeg

*/*British Columbia*/*
18=Northern Interior (Prince George)

96=Not applicable

In Cycle 2 (1996), this variable is the same as GE36DHRO in Manitoba and Alberta. In Ontario, the definition of the health region boundaries changed slightly from the time the sample was designed and the new boundaries are reflected in this variable.

*/*Ontario*/*
3511=Ottawa-Carleton
3512=Prescott, Russell, Stormont, Dundas, Glengarry, Renfrew
3513=Lanark, Leeds, Grenville, Hastings, Prince Edward, Frontenac, Lennox & Addington
3521=Northumberland, Victoria, Haliburton, Peterborough
3522=Durham
3523=Peel
3524=Metro Toronto
3525=York
3526=Simcoe
3527=Halton
3531=Niagara
3532=Hamilton-Wentworth
3533=Brant, Haldiman, Norfolk
3534=Wellington, Dufferin
3536=Waterloo
3541=Essex
3542=Lambton, Kent
3543=Elgin, Middlesex, Oxford
3544=Bruce, Grey, Perth, Huron
3551=Algoma, Cochrane
3552=Manitoulin, Sudbury
3553=Timiskaming, Muskoka, Parry Sound, Nipissing
3561=Thunder Bay, Kenora, Rainy River

/*Manitoba*/

4601=South Westman
4602=Central
4603=South Eastman
4604=Brandon
4605=Winnipeg
4606=North Eastman
4607=Marquette
4608=Parklands
4609=Interlake
4610=Norman
4611=Burntwood

/*Alberta*/

4801=Fort McLeod
4802=Medicine Hat
4803=Canmore
4804=Calgary
4805=Drumheller
4806=Red Deer
4807=Vermillion
4808=Hinton
4809=Breton
4810=Edmonton
4811=Athabasca
4812=Cold Lake
4813=Grand Prairie
4814=Peace River
4815=Slave Lake
4816=Fort McMurray
4817=Fort Vermillion

9996=Not applicable

7.7 Health Region (Original Sample)

Cycle 4 Name: N/A
Cycle 3 Name: N/A
Cycle 2 Name: GE36DHRO
Cycle 1 Name: N/A

In provinces where there was a sample buy-in (Ontario, Manitoba and Alberta) this variable identifies the sub-provincial health areas as specified by the Provincial Ministries of Health. In Ontario, the health areas are similar to a county or census division. Ontario has the original 23 health areas reported here and Manitoba and Alberta each report 5 grouped health areas (for a total of 33 health areas).

/ Ontario */*

3511=Ottawa Carleton
3512=Lanark, Leeds, Grenville, Prescott-Russell, Stormont, Dundas, Glengarry
3513=Hastings, Prince Edward, Frontenac., Lennox, Addington, Renfrew
3521=Northumberland, Victoria, Haliburton, Peterborough
3522=Durham
3523=Peel
3524=Metro Toronto
3525=York
3526=Simcoe
3531=Niagara
3532=Hamilton-Wentworth
3533=Brant, Haldiman, Norfolk
3534=Wellington, Dufferin
3535=Halton
3536=Waterloo
3541=Essex
3542=Lambton, Kent
3543=Elgin, Middlesex, Oxford
3544=Bruce, Grey, Perth, Huron
3551=Algoma, Cochrane
3552=Manitoulin, Sudbury
3553=Timiskaming, Muskoka, Parry Sound, Nipissing
3561=Thunder Bay, Kenora, Rainy River

/ Manitoba */*

4601=South Westman
4602=Central
4603=South Eastman
4604=Brandon
4605=Winnipeg
4606=North Eastman
4607=Marquette
4608=Parklands
4609=Interlake
4610=Norman
4611=Burntwood

/ Alberta */*

4801=Fort McLeod
4802=Medicine Hat
4803=Canmore
4804=Calgary
4805=Drumheller
4806=Red Deer
4807=Vermillion
4808=Hinton
4809=Breton
4810=Edmonton

4811=Athabasca
4812=Cold Lake
4813=Grand Prairie
4814=Peace River
4815=Slave Lake
4816=Fort McMurray
4817=Fort Vermillion
9996=Not applicable

7.8 **Postal Code**

Cycle 4 Name: SP30DPC
Cycle 3 Name: SP38DPC
Cycle 2 Name: SP36DPC
Cycle 1 Name: SP34DPC (*formerly DVPCA*)

The postal code is a six-character alpha-numeric code defined and maintained by Canada Post Corporation for the processing of mail. The alpha-numeric characters are arranged in the form ANA NAN, where "A" represents a letter of the alphabet and "N" a numeric digit. The first character of a postal code (allocated in alphabetic sequence from east to west across Canada) represents a province or territory, or a major sector entirely within a province.

In Cycle 4 the 2000 postal code and in Cycle 3 the 1998 postal code are the postal codes that were used in the match to the PCCF to derive the other geographic variables. Details are described above as part of the general documentation of the geographic variables.

In Cycle 2, the 1996 postal code is the postal code that was used and is based on the address where the respondent was living.

In Cycle 1, the mailing address of the respondent was available on the master files. Therefore, differences between the 1994 postal code (SP34DPC) and the 1996 postal code do not necessarily indicate that a respondent moved between 1994 and 1996.

7.9 **Respondent Moved**

Cycle 4 Name: N/A
Cycle 3 Name: NA
Cycle 2 Name: GE36LMOV
Cycle 1 Name: N/A

Based on GE34DPC and GE36DPC.

Indicates whether a respondent moved between Cycle 1 and Cycle 2.

GEOGRAPHY VARIABLES DROPPED IN CYCLE 4:**1. 1991 Census Metropolitan Area (CMA) – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: GE38GCMA

Cycle 2 Name: GE36GCMA

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**2. Health Area – 26 Groups – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: N/A

Cycle 2 Name: GE36GHLR

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**3. Health Area – 33 Groups – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: N/A

Cycle 2 Name: GE36GHR0

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**4. Rural and Urban Area – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: GE38GURB

Cycle 2 Name: GE36GURB

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

GH - GENERAL HEALTH**8.1 Health Description Index**

Cycle 4 Name: GHC0DHDI

Cycle 3 Name: GHC8DHDI

Cycle 2 Name: GHC6DHDI

Cycle 1 Name: GHC4DHDI (*formerly DVGHI94*)

Based on GHCn_1.

Higher scores indicate positive self-reported health status.

Reverse the codes for the index.

Value of GHCnDHDI	Description	Condition
0	Poor	GHCn_1=5
1	Fair	GHCn_1=4
2	Good	GHCn_1=3
3	Very Good	GHCn_1=2
4	Excellent	GHCn_1=1
6	Not applicable	GHCn_1=6
9	Not stated	GHCn_1>6

GENERAL HEALTH VARIABLES DROPPED IN CYCLE 4:**1. Used Services of Doctor of Midwife – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: GHC8G23

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

HC - HEALTH CARE UTILIZATION**9.1 Consultations with Health Professionals**

Cycle 4 Name: HCC0DHPC
 Cycle 3 Name: HCC8DHPC
 Cycle 2 Name: HCC6DHPC
 Cycle 1 Name: HCC4DHPC (formerly DVHPCN94)

Source: General Social Survey - Health, Cycle 6 (1991)

Statistics Canada's Web Site: <http://dissemination.statcan.ca/english/sdds/3894.htm>

Based on HCCn_2A to HCCn_2J.

Value of HCCnDHPC	Description	Condition
1	Yes	Any of HCCn_2A to HCCn_2J is >0 and <996 or 96
2	No	HCCn_2A to HCCn_2J=0
6	Not applicable	HCCn_2A to HCCn_2J=996 or 96
9	Not stated	HCCn_2A to HCCn_2J>996 or 96

9.2 Used Any Health Care Service - Flag

Cycle 4 Name: HCC0F1
 Cycle 3 Name: HCC8F1
 Cycle 2 Name: HCC6F1
 Cycle 1 Name: N/A

Based on HCCn_1 and HCCn_2A to HCCn_2J.

Note: Calculated only in Cycle 2 for Alberta buy-in questions.

Value of HCCnF1	Description	Condition
1	Yes	HCCn_1=1 or (any of HCCn_2A to HCCn_2J is >0 and <996)
2	No	HCCn_1=2 and HCCn_2A to HCCn_2J=0
6	Not applicable	HCCn_1=6
9	Not stated	Any other conditions

9.3 Reason Sought Care in United States - Long Answer Flag

Cycle 4 Name: N/A
 Cycle 3 Name: HCC8F13
 Cycle 2 Name: N/A
 Cycle 1 Name: N/A

Based on HCCn_12.

Value of HCCnF13	Description	Condition
1	Yes	HCCn_12=1
6	Not applicable	HCCn_12=2 or HCCn_12=6
9	Not stated	HCCn_12=9

9.4 Reason for Not Getting Care – Long Answer Flag

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: N/A
 Cycle 1 Name: HCC4F7W

In Cycle 1 only, long answers are collected and manually coded. For cycle 2 and beyond, this question was designed as a “Mark All That Apply” question with more categories.

9.5 Reason for Not Getting Care - Grouped

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: N/A
 Cycle 1 Name: HCC4G7

In Cycle 1 only, long answers collected and manually coded. For cycle 2 and beyond, this question was designed as a “Mark All That Apply” question with more categories.

9.6 Type of Home Care Services - Grouped

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: N/A
 Cycle 1 Name: HCC4FS

In Cycle 1 only, long answers collected and manually coded. For cycle 2 and beyond, this question was designed as a “Mark All That Apply” question with more categories.

9.7 Consultations with Medical Doctors

Cycle 4 Name: HCC0DMDC
 Cycle 3 Name: HCC8DMDC
 Cycle 2 Name: HCC6DMDC
 Cycle 1 Name: HCC4DMDC (formerly DVMDCN94)

Source: General Social Survey - Health, Cycle 6 (1991)

Statistics Canada's Web Site: <http://dissemination.statcan.ca/english/sdds/3894.htm>

Based on the sum of HCCn_2A and HCCn_2C.

Value of HCCnDMDC	Description	Condition
0-666	Number of consultations	Sum of (HCCn_2A >=0 and <=366) and (HCCn_2C >=0 and <=300)
996	Not applicable	HCCn_2A and HCCn_2C=996
999	Not stated	HCCn_2A or HCCn_2C>996

HEALTH CARE UTILIZATION VARIABLES DROPPED IN CYCLE 4:**1. Number of Nights As Patient – Grouped**

Cycle 4 Name: N/A
 Cycle 3 Name: HCC8G1A
 Cycle 2 Name: HCC6G1A
 Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

2. Number of Consults – Family Doctor – Grouped

Cycle 4 Name: N/A

Cycle 3 Name: HCC8G2A

Cycle 2 Name: HCC6G2A

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**3. Number of Consults – Eye Specialist – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: HCC8G2B

Cycle 2 Name: HCC6G2B

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**4. Number of Consults – Other Medical Doctor – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: HCC8G2C

Cycle 2 Name: HCC6G2C

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**5. Number of Consults – Nurse – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: HCC8G2D

Cycle 2 Name: HCC6G2D

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**6. Number of Consults – Dentist/Orthodontist – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: HCC8G2E

Cycle 2 Name: HCC6G2E

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**7. Number of Consults – Chiropractor – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: HCC8G2F

Cycle 2 Name: HCC6G2F

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**8. Number of Consults – Physiotherapist – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: HCC8G2G

Cycle 2 Name: HCC6G2G

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**9. Number of Consults – Social Work/Counsellor – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: HCC8G2H

Cycle 2 Name: HCC6G2H

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

- 10. Number of Consults – Psychologist – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: HCC8G2I
Cycle 2 Name: HCC6G2I
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
- 11. Number of Consults – Speech/Audio/Occupational Therapist – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: HCC8G2J
Cycle 2 Name: HCC6G2J
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
- 12. Most Recent Contact – Family Doctor – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: HCC8G3A
Cycle 2 Name: HCC6G3A
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
- 13. Most Recent Contact – Other Medical Doctor – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: HCC8G3C
Cycle 2 Name: HCC6G3C
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
- 14. Alternate Health Care - Other – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: HCC8G5L
Cycle 2 Name: HCC6G5L
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
- 15. Number of Consults With Medical Doctors – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: HCC8GMDC
Cycle 2 Name: HCC6GMDC
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)

HS - HEALTH STATUS**10.1 Vision Problem – Function code**

Cycle 4 Name: HSC0DVIS

Cycle 3 Name: HSC8DVIS

Cycle 2 Name: HSC6DVIS

Cycle 1 Name: HSC4DVIS (formerly DVVISF94)

Based on DVVIS*=HSCn_1 || HSCn_2 || HSCn_3 || HSCn_4 || HSCn_5.

(*DVVIS concatenates all the values of the individual items into a string).

Value of HSCnDVIS	Description	Condition
1	No visual problem	DVVIS=16616
2	Problem corrected by lenses	DVVIS=16621, 21616, 21621
3	Problem seeing distance – not corrected	DVVIS=16622, 21622
4	Problem seeing close–not corrected	DVVIS=22116, 22121
5	Problem seeing close and distance – not corrected	DVVIS=22122
6	No sight at all	DVVIS=22266
96	Not applicable	DVVIS=66666
99	Not stated	Otherwise

10.2 Hearing Problem – Function Code

Cycle 4 Name: HSC0DHER

Cycle 3 Name: HSC8DHER

Cycle 2 Name: HSC6DHER

Cycle 1 Name: HSC4DHER (formerly DVHEAF94)

Based on DVHEA*=HSCn_6 || HSCn_7 || HSCn_7A || HSCn_8 || HSCn_9.

(*DVHEA concatenates all the values of the individual items into a string).

Value of HSCnDHER	Description	Condition
1	No hearing problem	DVHEA=16666
2	Problem hearing in group – corrected	DVHEA=21616
3	Problem hearing in group and individual – corrected	DVHEA=21621, 21622
4	Problem hearing in group –not corrected	DVHEA=22116
5	Problem hearing in group and individual – individual corrected	DVHEA=22121
6	Cannot hear	DVHEA=22122, 22266
96	Not applicable	DVHEA=66666
99	Not stated	Otherwise

10.3 Speech Problem – Function Code

Cycle 4 Name: HSC0DSPE

Cycle 3 Name: HSC8DSPE

Cycle 2 Name: HSC6DSPE

Cycle 1 Name: HSC4DSPE (formerly DVSPEF94)

Based on DVSPE*=HSCn_10 || HSCn_11 || HSCn_12 || HSCn_13.
 (*DVSPE concatenates all the values of the individual items into a string).

Value of HSCnDSPE	Description	Condition
1	No speech problem	DVSPE=1666
2	Partially understood by strangers	DVSPE=2116
3	Partially understood by friends	DVSPE=2121
4	Not understood by strangers	DVSPE=2216, 2221
5	Not understood by friends	DVSPE=2122, 2222
6	Not applicable	DVSPE=6666
9	Not stated	Otherwise

10.4 Mobility Problem – Function Code

Cycle 4 Name: HSC0DMOB
 Cycle 3 Name: HSC8DMOB
 Cycle 2 Name: HSC6DMOB
 Cycle 1 Name: HSC4DMOB (formerly DVMOBF94)

Based on DVMOB*=HSCn_14 || HSCn_15 || HSCn_16 || HSCn_17 || HSCn_18.
 (*DVMOB concatenates all the values of the individual items into a string).

Value of HSCnDMOB	Description	Condition
1	No mobility problem	DVMOB=16666
2	Problem – no aid required	DVMOB=21222
3	Problem – requires mechanical support	DVMOB=21122
4	Problem – requires wheelchair	DVMOB=21121, 21221
5	Problem – requires help from people	DVMOB=21111, 21112, 21211, 21212
6	Cannot walk	DVMOB=22661, 22662
96	Not applicable	DVMOB=66666
99	Not stated	Otherwise

10.5 Dexterity Problem – Function Code

Cycle 4 Name: HSC0DDEX
 Cycle 3 Name: HSC8DDEX
 Cycle 2 Name: HSC6DDEX
 Cycle 1 Name: HSC4DDEX (formerly DVDEXF94)

Based on DVDEX*=HSCn_21 || HSCn_22 || HSCn_23 || HSCn_24
 (*DVDEX concatenates all the values of the individual items into a string).

Value of HSCnDDEX	Description	Condition
1	No dexterity problem	DVDEX=1666
2	Dexterity problem – no Help required	DVDEX=2262
3	Dexterity problem – requires special equipment	DVDEX=2261
4	Dexterity problem – requires help with some tasks	DVDEX=2111, 2112
5	Dexterity problem – requires help with most tasks	DVDEX=2121, 2122, 2131, 2132
6	Dexterity problem–requires help with all tasks	DVDEX=2141, 2142
96	Not applicable	DVDEX=6666
99	Not stated	Otherwise

10.6 Emotional Problem – Function Code

Cycle 4 Name: HSC0DEMO
 Cycle 3 Name: HSC8DEMO
 Cycle 2 Name: HSC6DEMO
 Cycle 1 Name: HSC4DEMO (formerly DVEMOF94)

Based on HSCn_25.

Value of HSCnDEMO	Description	Condition
1	Happy and interested in life	HSCn_25=1
2	Somewhat happy	HSCn_25=2
3	Somewhat unhappy	HSCn_25=3
4	Very unhappy	HSCn_25=4
5	So unhappy that life is not worthwhile	HSCn_25=5
6	Not applicable	HSCn_25=6
9	Not stated	Otherwise

10.7 Cognition Problem – Function Code

Cycle 4 Name: HSC0DCOG
 Cycle 3 Name: HSC8DCOG
 Cycle 2 Name: HSC6DCOG
 Cycle 1 Name: HSC4DCOG (formerly DVCOGF94)

Based on DVCOG*=HSCn_26 || HSCn_27.

(*DVCOG concatenates all the values of the individual items into a string).

Value of HSCnDCOG	Description	Condition
1	No cognitive problem	DVCOG=11
2	A little difficulty thinking	DVCOG=12, 13
3	Somewhat forgetful	DVCOG=21
4	Somewhat forgetful / A little difficulty thinking	DVCOG=22, 23
5	Very forgetful / great deal of difficulty thinking	DVCOG=14, 24, 31, 32, 33, 34
6	Unable to remember or to think	DVCOG=15, 25, 35, 41, 42, 43, 44, 45
96	Not applicable	DVCOG=66
99	Not stated	Otherwise

10.8 Activities Prevented By Pain – Function Code

Cycle 4 Name: HSC0DPAD
 Cycle 3 Name: HSC8DPAD
 Cycle 2 Name: HSC6DPAD
 Cycle 1 Name: HSC4DPAD (formerly DVPAAF94)

Based on DVPAIN*=HSCn_28 || HSCn_30.
 (*DVPAIN concatenates all the values of the individual items into a string).

Value of HSCnDPAD	Description	Condition
1	No pain or discomfort	DVPAIN=16
2	Mild / moderate pain does not prevent activity	DVPAIN=21
3	Moderate pain prevents a few activities	DVPAIN=22
4	Moderate / severe pain prevents some activities	DVPAIN=23
5	Severe pain prevents most activities	DVPAIN=24
6	Not applicable	DVPAIN=66
9	Not stated	Otherwise

10.9 Health Utility Index (HUI3)

Cycle 4 Name: HSC0DHSI
 Cycle 3 Name: HSC8DHSI
 Cycle 2 Name: HSC6DHSI
 Cycle 1 Name: HSC4DHSI (formerly DVHST94)

Source: McMaster University

Based on HSCn_1 to HSCn_28 and HSCn_30.

Composite index based on the questions in the Health Status Section.
 Higher scale indicates better health index.

-.360 to 1.000 in increments of 0.001

9.996 Not applicable

9.999 Not stated

The Health Status Index or Health Utility Index (HUI) is a generic health status index that is able to synthesize both quantitative and qualitative aspects of health. The index, developed at McMaster University's Centre for Health Economics and Policy Analysis, is based on the Comprehensive Health Status Measurement System (CHSMS). It provides a description of an individual's overall functional

health, based on eight attributes: vision, hearing, speech, mobility (ability to get around), dexterity (use of hands and fingers), cognition (memory and thinking), emotion (feelings), and pain and discomfort.

In addition to describing functional health status levels, the CHSMS is the basis for HUI3. The HUI3 is a single numerical value for any possible combination of levels of these eight self-reported health attributes. The HUI3 maps any one of the vectors of eight health attribute levels into a summary health value between $-.360$ and 1.000 . For instance, an individual who is near-sighted, yet fully healthy on the other seven attributes, receives a score of 0.973 . On that scale, the most preferred health level (perfect health) is rated 1.000 and death is rated 0.000 , while negative scores reflect health states considered worse than death.

The scores of the HUI3 embody the views of society concerning health status. These views are termed societal preferences, since preferences about various health states are elicited from a representative sample of individuals.

The HUI3 was developed by McMaster University's Centre for Health Economics and Policy Analysis, and was derived using societal preferences from a random sample of 500 people within the boundaries of the City of Hamilton, chosen from a list obtained from the Planning Department of the Regional Municipality of Hamilton-Wentworth, Ontario, Canada.

The algorithm mapping the questions to the CHSMS itself is the property of Health Utilities Inc. and is protected by copyright. Statistics Canada is authorized, when requested, to share this algorithm with users who wish to replicate results or analyses conducted by Statistics Canada. The use of the algorithm for other purposes, or the sharing of it with others, is prohibited.

For a detailed explanation of the calculation of the HUI3, refer to:

Furlong WJ, Feeny DH, Torrance GW. "Health Utilities Index (HUI): Algorithm for determining HUI Mark 2 (HUI2) / Mark 3 (HUI3) health status classification levels, health states, health-related quality of life utility scores and single-attribute utility score from 40-item interviewer-administered health status questionnaires. Dundas, Canada: Health Utilities Inc. February 1999.

Furlong WJ, Feeny DH, Torrance GW, et al. "Multiplicative multi-attribute utility function for the Health Utilities Index Mark 3 (HUI3) system: a technical report" Hamilton, Canada: McMaster University Centre for Health Economics and Policy Analysis Working Paper #98-11, December 1998.

Note: For Cycles 1 and 2, the HUI was calculated using the MARK II societal preference scores, and a provisional algorithm was developed. When HUI3 became available, Cycle 1 and 2 variables were re-calculated using HUI3 for the longitudinal file. For HUI2, the societal preferences were derived from the small-scale Childhood Cancer Study. This provisional index has been used with other surveys, with some adjustments (e.g., the Ontario Health Survey). Consequently, the HUI2 results were preliminary but relevant. This previous index of the CHSMS was tested for consistency and was deemed to provide a realistic appraisal of individual health status.

For a detailed explanation of the calculation of the HUI2, refer to:

Berthelot J-M, Roberge R, Wolfson MC. "The calculation of health-adjusted life expectancy for a Canadian province using a multi-attribute utility function: a first attempt." Montpellier, France: Colloque Inserm/John Libbey Eurotext Ltd, 1993:161-72.

Roberge R, Berthelot J-M, and Wolfson MC. "Measuring health differences in Ontario by socio-economic status" in Statistics Canada. *Health Reports* (Catalogue No. 82-003, Volume 7, Number 2, 1995: 25-32).

Internet Site: McMaster University: www.fhs.mcmaster.ca/hug/update.htm,
www.fhs.mcmaster.ca/hug/wp9811.htm, www.healthutilities.com/hui3.htm

HEALTH STATUS VARIABLES DROPPED IN CYCLE 4:

- 1. Vision Problem – Function Code – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: HSC8GVIS
Cycle 2 Name: HSC6GVIS
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
- 2. Hearing Problem – Function Code – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: HSC8GHER
Cycle 2 Name: HSC6GHER
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
- 3. Speech Problem – Function Code - Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: HSC8GSPE
Cycle 2 Name: HSC6GSPE
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
- 4. Mobility Problem – Function Code – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: HSC8GMOB
Cycle 2 Name: HSC6GMOB
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
- 5. Dexterity Problem – Function Code – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: HSC8GDEX
Cycle 2 Name: HSC6GDEX
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
- 6. Cognition Problem – Function Code – Grouped**
Cycle 4 Name: N/A
Cycle 3 Name: HSC8GCOG
Cycle 2 Name: HSC6GCOG
Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)
- 7. Severity of Pain – Function Code – Derived**
Cycle 4 Name: N/A
Cycle 3 Name: HSC8DSEV
Cycle 2 Name: HSC6DSEV
Cycle 1 Name: HSC4DSEV
Reason: Not used in calculation of HUI (see HSCnDPAD)

HW - HEIGHT AND WEIGHT**11.1 Body Mass Index**

Cycle 4 Name: HWC0DBMI

Cycle 3 Name: HWC8DBMI

Cycle 2 Name: HWC6DBMI

Cycle 1 Name: HWC4DBMI (formerly DVBMI94)

Based on HWCn_HT, HWCn_3KG and HWCn_1.

Calculated for persons 20 to 64 years old, **excluding** pregnant women. BMI is not calculated for anyone less than 3 feet or 7 feet and over because height is set to "Not stated".

$$\text{BMI} = \text{WEIGHT (KG)} / \text{SQUARED HEIGHT (METERS)}$$
11.2 Standard Weight

Cycle 4 Name: HWC0DSW

Cycle 3 Name: HWC8DSW

Cycle 2 Name: HWC6DSW

Cycle 1 Name: HWC4DSW (formerly DVBMIC94)

Based on HWCnDBMI. (Source: HWCn_HT, HWCn_3KG and HWCn_1).

Note: DVBMIC94 on the Cycle 1 PUMF contained a rounding error in categories 2 and 3. HWC4DSW was recalculated for the 1994/1996 Longitudinal Master file using these categories.

Value of HWCnDSW	Description	Condition
1	Insufficient weight	HWCnDBMI < 20.0
2	Acceptable weight	HWCnDBMI ≥ 20.0 and < 25.0
3	Some excess weight	HWCnDBMI ≥ 25.0 and < 27.0
4	Overweight	HWCnDBMI ≥ 27.0 and < 29.6
6	Not applicable	HWCnDBMI = 99.6
9	Not stated	HWCnDBMI > 99.6

11.3 Birth Weight - Grouped

Longitudinal Name: HWBG1

Based on HWB.

Value of HWCnGBW	Description	Condition
1	Normal birth weight	HWB = 5 to 14
2	Moderately low birth weight	HWB = 2, 3, 4
3	Very low birth weight	HWB = 1
6	Not applicable	HWB = 96
9	Not stated	HWB > 96

HEIGHT AND WEIGHT VARIABLES DROPPED IN CYCLE 4:**1. Weight In Kilograms – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: HWC8G3KG

Cycle 2 Name: HWC6G3KG

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**2. Body Mass Index – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: HWC8GBMI

Cycle 2 Name: HWC6GBMI

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**3. Height – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: HWC8GHT

Cycle 2 Name: HWC6GHT

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**4. Standard Weight – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: HWC8GSW

Cycle 2 Name: HWC6GSW

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**5. Birth Weight – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: HWC8GBW

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

IJ - INJURIES**12.1 Type of Injury by Body Site**

Cycle 4 Name: N/A

Cycle 3 Name: IJC8D1

Cycle 2 Name: IJC6D1

Cycle 1 Name: IJC4D1 (*formerly DVINJ194*).

Based on IJCn_3 and IJCn_4 for Cycles 1, 2 and 3.

Starting in Cycle 4, this derived variable is not available because of changes to categories in questions IJCn_3 and IJCn_4 and the introduction of a new question – (IJCn_4A). This derived variable has been replaced by IJCnDTBS.

This variable was derived by creating a matrix between all possible answers in question IN_Q3 (type of injury) with all possible answers in question IN_Q4 (body part injured). Each combination in the matrix was given a unique code, except for impossible combinations (e.g., concussion of the shoulder) which were assigned the code 996.

Multiple injuries of the same type (e.g., multiple fractures) are classified to a single type of injury (e.g., Fractured Bones). Similarly, only one body site would be coded if there were injuries to many areas within that site. For example, multiple fractures to both legs and feet would be classifiable to the site Legs or Feet. Thus, a case of multiple fractures and burns to both legs and feet would be included in the code '17'. A case of multiple fractures to both legs and feet would be included in the code '27'.

The category 'Other' type of injury includes crushing, frostbite, foreign body, injuries not falling into one of the other categories, and unspecified types of injuries.

Value of IJCnD1	Description	Condition
All values	See following tables	See following tables
9996	Not applicable (Not injured)	IJCn_3= 96
9999	Not stated	(IJCn_3=97, 98 or 99) or (IJCn_4=97, 98 or 99)

IJCnD1 Coding Structure=IJCn_3|| IJCn_4

	Multiple Sites	Eyes	Head (excl. eyes)	Neck	Shoulder	Arms or Hands	Hip	Legs or Feet	Back or Spine	Trunk	Systemic Effect
Multiple Injuries	10	11	12	13	14	15	16	17	18	19	999
Fractures	20	-	22	23	24	25	26	27	28	29	999
Burn or scald	30	31	32	32	35	35	39	37	39	39	999
Dislocation	40	-	42	43	44	45	46	47	48	49	999
Sprain or strain	50	-	52	53	54	55	56	57	58	59	999
Cut, open wound, amputation	60	61	62	63	64	65	66	67	68	69	999
Bruise, contusion, abrasion	70	71	72	73	74	75	76	77	78	79	999
Concussion	-	-	82	-	-	-	-	-	-	-	-
Poisoning by substance or liquid	999	999	999	999	999	999	999	999	999	999	90
Internal Injury	100	102	102	102	104	105	109	107	109	109	999
Other	110	111	112	112	114	115	116	117	119	119	999
96	996	996	996	996	996	996	996	996	996	996	996

Note: 996="Not applicable", 999="Not stated", and "-"="impossible combination".

12.2 Cause of Injury by Place of Occurrence

Cycle 4 Name: N/A

Cycle 3 Name: IJC8D2

Cycle 2 Name: IJC6D2

Cycle 1 Name: IJC4D2 (formerly DVINJ294)

Based on IJCn_5 and IJCn_6.

Starting with Cycle 4, this derived variable is not available because of changes to questions IJCn_5 and IJCn_10B and the introduction of a new question on Falls – (IJCn_10). This derived variable has been replaced by IJCnDCAU and IJCnDCBP.

This variable was derived by creating a matrix between all possible answers in question IN_Q6 (cause of injury) with all possible answers in question IN_Q5 (place of occurrence) temporarily recoded. The first two digits of this three-digit variable indicate the external cause of the injury; the third digit indicates the place of occurrence.

A 'motor vehicle accident' is a transport accident involving most motorized vehicles, and can refer to the driver, a passenger, a motorcyclist, a pedestrian, a rider of an animal or a rider in an animal drawn vehicle. It excludes train, watercraft or airplane accidents unless a motor vehicle was involved.

The 'Other cause of injury' category can include such accidents as those caused by electrical current, firearms, pedal cycles, ski-lifts, and water transport accidents not involving drowning or non-submersion.

Value of IJCnD2	Description	Condition
All values	See following tables	See following tables
9996	Not applicable (Not injured)	IJCn_5=96
9999	Not stated	(IJCn_5=97, 98 or 99) or (IJCn_6=97, 98 or 99)

IJCnD2 Coding Structure=IJCn_6 || recoded IJCn_5

	Home	Farm	Recreat. Place	Street	Public Building	Resid. Instit.	Mine	Indust. Place	Other
Accident-Motor Vehicle	10	11	14	15	16	17	12	13	18
Accident-Fall	20	21	24	25	26	27	22	23	28
Fire or Flame	30	31	34	35	36	37	32	33	38
Accident-Struck	40	41	44	45	46	47	42	43	48
Physical Assault	50	51	54	55	56	57	52	53	58
Suicide Attempt	60	61	64	65	66	67	62	63	68
Injury-Explosion	70	71	74	75	76	77	72	73	78
Injury-Natural Factor	80	81	84	85	86	87	82	83	88
Accident-Drowning	90	91	94	95	96	97	92	93	98
Accident-Suffocation	100	101	104	105	106	107	102	103	108
Hot Liquid	110	111	114	115	116	117	112	113	118
Accident-Machine	120	121	124	125	126	127	122	123	128
Accident-Cutting	130	131	134	135	136	137	132	133	138
Accident-Poison	140	141	144	145	146	147	142	143	148
Other	150	151	154	155	156	157	152	153	158

12.3 Type of Injury by Body Site

Cycle 4 Name: IJC0DTBS

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on IJ*Cn*_1, IJ*Cn*_3, IJ*Cn*_4 and IJ*Cn*_4A. This variable replaces IJ*Cn*D1.

This variable was derived by creating a matrix between all possible answers in question IJ*Cn*_3 (type of injury) with all possible answers in questions IJ*Cn*_4 and IJ*Cn*_4A (body part injured). Each combination in the matrix was given a unique code.

Multiple injuries of the same type (e.g., multiple fractures) are classified to a single type of injury (e.g., Fractured Bones). Similarly, only one body site would be coded if there were injuries to many areas within that site. For example, multiple fractures to both knee and legs would be classifiable to the site Knee and Lower Legs. Thus, a case of multiple fractures and burns to both knee and legs would be included in the code '110'. A case of multiple fractures to both knee and legs would be included in the code '210'.

The category 'Other' type of injury includes crushing, frostbite, foreign body, injuries not falling into one of the other categories, and unspecified types of injuries.

Value of IJCnDTBS	Description	Condition
All values	See following tables	See following tables
9996	Not applicable (Not injured)	IJ <i>Cn</i> _1= 2 or 6
9999	Not stated	(IJ <i>Cn</i> _3=97, 98 or 99) or (IJ <i>Cn</i> _4=97, 98 or 99) or (IJ <i>Cn</i> _4A=7, 8 or 9)

IJCnDTBS Coding Structure=IJ*Cn*_3 || IJ*Cn*_4 or IJ*Cn*_3 || IJ*Cn*_4A for Internal Injuries

	Multiple Sites IJ <i>Cn</i> _4=01	Eyes =02	Head (excl. Eyes) =03	Neck =04	Shoulder/uppe r arm =05	Elbow/lower arm =06	Wrist or Hands =07	Hip =08	Thigh =09	Knee and lower legs =10	Ankle foot =11	Upper Back =12	Lower back =13	Chest =14	Abdomen or Pelvis =15	Other =16
Multiple Injuries IJ <i>Cn</i> _3=1	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	-
Broken or Fractured bones =2	201	9999	203	204	205	206	207	208	209	210	211	212	213	214	215	-
Burn, scald or chemical burn =3	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	-
Dislocation =4	401	9999	403	404	405	406	407	408	9999	410	411	412	413	414	415	-

	Multiple Sites IJCn_4=01	Eyes =02	Head (excl. Eyes) =03	Neck =04	Shoulder/uppe r arm =05	Elbow/lower arm =06	Wrist or Hands =07	Hip =08	Thigh =09	Knee and lower legs =10	Ankle foot =11	Upper Back =12	Lower back =13	Chest =14	Abdomen or Pelvis =15	Other =16
Sprain or strain =5	501	9999	503	504	505	506	507	508	509	510	511	512	513	514	515	-
Cut, animal bite (open wound), puncture =6	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	-
Bruise, scrape, blister =7	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	-
Concussion and other brain injuries =8	-	-	800*	-	-	-	-	-	-	-	-	-	-	-	-	-
Poisoning =9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	900*
Internal Injury =10	-	-	-	-	-	-	-	-	-	-	-	-	-	1014	1015	1016
Other =11	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	-

Note: “_” =impossible combination

* Neither of these choices were asked a body site. Therefore there is no criteria for assignment.

12.4 Cause of injury

Cycle 4 Name: IJC0DCAU

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on IJCn_10 and IJCn_10B.

This variable is created from the merging of the “fall” indicator (IJCn_10) and the list of “other causes of injury” (IJCn_10B). A value of “Not applicable” is assigned to respondents not injured in the past 12 months (IJCn_1). A value of “Not stated” will be returned if question IJCn_10B is not answered (don’t know, refusal, Not stated).

Value of IJcDCAU	Description	Condition
1	Fall	IJc _n _10=1
2	Transportation accident	IJc _n _10B=1
3	Accidentally bumped, pushed, bitten, etc. by person or animal	IJc _n _10B=2
4	Accidentally struck or crushed by object(s)	IJc _n _10B =3
5	Accidental contact with sharp object, tool or machine	IJc _n _10B =4
6	Smoke, fire, flames	IJc _n _10B =5
7	Accidental contact with hot object, liquid or gas	IJc _n _10B =6
8	Extreme weather or natural disaster	IJc _n _10B =7
9	Overexertion or strenuous movement	IJc _n _10B =8
10	Physical assault	IJc _n _10B =9
11	Other - specify	IJc _n _10B =10
96	Not applicable	IJc _n _1=2 or 6
99	Not stated	IJc _n _10B=97, 98 or 99

12.5 Cause of Injury by Place of Occurrence

Cycle 4 Name: IJC0DCBP

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on IJc_n_5, and IJcDCAU. (Source: IJc_n_10 and IJc_n_10B).
This variable replaces IJcD2.

This three digit variable was derived by creating a matrix between all possible answers in questions IJc_n_5 (occurrence of injury) with all possible answers in the new derived variable IJcDCAU.

The 'Other cause of injury' category can include such accidents as those caused by electrical current, firearms, pedal cycles and ski lifts.

Value of IJcDCBP	Description	Condition
All values	See following table	See following table
996	Not applicable (Not injured)	IJc _n _1=2 or 6
999	Not stated	(IJc _n _5=97, 98 or 99) or (IJcDCAU=97, 98 or 99)

IJCnDCBP Coding Structure=(IJCnDCAU || IJCn_5)

		Home IJCn_5=1	Resid. Instit. =2	School, univ. =3	Other Instit. =4	Sports Area =5	Street =6	Commerci al Area =7	Indust. Area =8	Farm =9	Other =10
IJCNDCAU=1	Fall	10	11	12	13	14	15	16	17	18	19
=2	Acc.-Transport.	20	21	22	23	24	25	26	27	28	29
=3	Acc.-Bumped, bitten by person or animal	30	31	32	33	34	35	36	37	38	39
=4	Acc.-Struck by objects	40	41	42	43	44	45	46	47	48	49
=5	Accident-Contact with sharp objects	50	51	52	53	54	55	56	57	58	59
=6	Smoke, fire, flames	60	61	62	63	64	65	66	67	68	69
=7	Acc.-Contact with hot object, liquid or gas	70	71	72	73	74	75	76	77	78	79
=8	Extreme weather, natural disaster	80	81	82	83	84	85	86	87	88	89
=9	Over-exertion	90	91	92	93	94	95	96	97	98	99
=10	Physical Assault	100	101	102	103	104	105	106	107	108	109
=11	Other	110	111	112	113	114	115	116	117	118	119

INJURY VARIABLES DROPPED IN CYCLE 4:

1. **Place of Occurrence of Injury – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: IJC8G5

Cycle 2 Name: IJC6G5

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)2. **Reason for Injury – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: IJC8G6

Cycle 2 Name: IJC6G6

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

3. Cause of Injury by Place of Occurrence of Injury – Grouped

Cycle 4 Name: N/A

Cycle 3 Name: IJC8GD2

Cycle 2 Name: IJC6GD2

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

IN - INCOME VARIABLES**13.1 Income Adequacy - 2 Groups**

Cycle 4 Name: INC0DIA2

Cycle 3 Name: INC8DIA2

Cycle 2 Name: INC6DIA2

Cycle 1 Name: INC4DIA2 (formerly DVINC294).

Based on INCn_3A to INCn_3G and DHCnDHSZ. (Source: DHCn_MEM).

Value of INCnDIA2	Description	Income	Household Size
1	Low income	Less than \$15,000	1 or 2 persons
		Less than \$20,000	3 or 4 persons
		Less than \$30,000	5 or more persons
2	Middle or high income	\$15,000 or more	1 or 2 persons
		\$20,000 or more	3 or 4 persons
		\$30,000 or more	5 or more persons
9	Unknown	Not stated	Otherwise

13.2 Income Adequacy - 4 Groups

Cycle 4 Name: INC0DIA4

Cycle 3 Name: INC8DIA4

Cycle 2 Name: INC6DIA4

Cycle 1 Name: INC4DIA4 (formerly DVINC494).

Based on INCn_3A to INCn_3G and DHCnDHSZ. (Source: DHCn_MEM).

Value of INCnDIA4	Description	Income	Household Size
1	Lowest income	Less than \$15,000	1 or 2 persons
		Less than \$20,000	3 or 4 persons
		Less than \$30,000	5 or more persons
2	Lower middle income	\$15,000 to \$29,999	1 or 2 persons
		\$20,000 to \$39,999	3 or 4 persons
		\$30,000 to \$59,999	5 or more persons
3	Upper middle income	\$30,000 to \$59,999	1 or 2 persons
		\$40,000 to \$79,999	3 or 4 persons
		\$60,000 to \$79,999	5 or more persons
4	Highest income	\$60,000 or more	1 or 2 persons
		\$80,000 or more	3 persons or more
9	Unknown	Not stated	Otherwise

13.3 Income Adequacy - 5 Groups

Cycle 4 Name: INC0DIA5

Cycle 3 Name: INC8DIA5

Cycle 2 Name: INC6DIA5

Cycle 1 Name: INC4DIA5 (formerly DVINC594).

Based on INCn_3A to INCn_3G and DHCnDHSZ. (Source: DHCn_MEM).

Value of INCnDIA5	Description	Income	Household Size
1	Lowest income	Less than \$10,000	1 to 4 persons
		Less than \$15,000	5 or more persons
2	Lower middle income	\$10,000 to \$14,999	1 or 2 persons
		\$10,000 to \$19,999	3 or 4 persons
		\$15,000 to \$29,999	5 or more persons
3	Middle income	\$15,000 to \$29,999	1 or 2 persons
		\$20,000 to \$39,999	3 or 4 persons
		\$30,000 to \$59,999	5 or more persons
4	Upper middle income	\$30,000 to \$59,999	1 or 2 persons
		\$40,000 to \$79,999	3 or 4 persons
		\$60,000 to \$79,999	5 or more persons
5	Highest income	\$60,000 or more	1 or 2 persons
		\$80,000 or more	3 persons or more
9	Unknown	Not stated	Otherwise

13.4 Total Household Income – All Sources

Cycle 4 Name: INC0DHH

Cycle 3 Name: INC8DHH

Cycle 2 Name: INC6DHH

Cycle 1 Name: INC4DHH (formerly DVHHIN94).

Based on INCn_3A to INCn_3G (a cascading question on income).

If the respondent gave his/her exact household income in Question INCn_3 then in the reformat process, responses for INCn_3A to 3G were filled in based on INCn_3. INCnDHH was derived from these values.

Value of INCnDHH	Description	Condition
1	No income	INCn_3A=3
2	Less than \$5,000	INCn_3C=1
3	\$5,000 to \$9,999	INCn_3C=2
4	\$10,000 to \$14,999	INCn_3D=1
5	\$15,000 to \$19,999	INCn_3D=2
6	\$20,000 to \$29,999	INCn_3F=1
7	\$30,000 to \$39,999	INCn_3F=2
8	\$40,000 to \$49,999	INCn_3G=1
9	\$50,000 to \$59,999	INCn_3G=2
10	\$60,000 to \$79,999	INCn_3G=3
11	\$80,000 +	INCn_3G=4
99	Not stated	Otherwise (Including respondents who R. or D.K.)

13.5 **Consumer Price Index**

Cycle 4 Name: INC0CCPI
 Cycle 3 Name: INC8CCPI
 Cycle 2 Name: INC6CCPI
 Cycle 1 Name: INC4CCPI

Yearly average, all items, not seasonally adjusted (1992=100), for use in inflating income variables.

1994 - All Items - Not Seasonally Adjusted, Average Annual=102.0

1996 - All items - Not Seasonally Adjusted, Average Annual=105.9

1998 - All items - Not Seasonally Adjusted, Average Annual=108.6

2000 - All items - Not Seasonally Adjusted, Average Annual=113.5

13.6 **Total Personal Income – All Sources**

Cycle 4 Name: INC0DPER
 Cycle 3 Name: INC8DPER
 Cycle 2 Name: N/A
 Cycle 1 Name: N/A

Based on INC_n_4A to INC_n_4G (a *cascading* question on income).

If the respondent gave his/her exact household income in Question INC_n_4 then in the reformat process, responses for INC_n_4A to 4G were filled in based on INC_n_4. INC_nDPER was derived from these values.

Value of INC _n DPER	Description	Condition
1	No income	INC _n _4A=3
2	Less than \$5,000	INC _n _4C=1
3	\$5,000 to \$9,999	INC _n _4C=2
4	\$10,000 to \$14,999	INC _n _4D=1
5	\$15,000 to \$19,999	INC _n _4D=2
6	\$20,000 to \$29,999	INC _n _4F=1
7	\$30,000 to \$39,999	INC _n _4F=2
8	\$40,000 to \$49,999	INC _n _4G=1
9	\$50,000 to \$59,999	INC _n _4G=2
10	\$60,000 to \$79,999	INC _n _4G=3
11	\$80,000 +	INC _n _4G=4
96	Not applicable	DHC _n _AGE<= 14
99	Not stated	Otherwise (Including respondents who R or DK.)

13.7 **Household Questions Asked of this H05 Respondent**

Cycle 4 Name: N/A
 Cycle 3 Name: INC8F1
 Cycle 2 Name: INC6F1
 Cycle 1 Name: INC4F1

In Cycles 1 through 3, Income questions were asked of all household respondents. Since each question asks "total income for all household members" these questions were only asked once and then extrapolated to the other members of the household. This flag indicates whether this respondent provided the household data. In Cycle 4, the questions were only asked of the longitudinal respondent so this flag is no longer needed.

13.8 **Flag Indicating Food Insecurity**

Cycle 4 Name: N/A

Cycle 3 Name: FIC8F1

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on FICn_1 to FICn_3.

Value of FICnF1	Description	Condition
1	Food insecurity	FICn_1=1 or FICn_2=1 or FICn_3=1
2	No food insecurity	FICn_1=2 and FICn_2=2 and FICn_3=2
6	Not applicable	FICn_1=6
9	Not stated	Otherwise

INCOME VARIABLES DROPPED IN CYCLE 4:**1. Main Source of Total Household Income – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: INC8G2

Cycle 2 Name: INC6G2

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**2. Total Personal Income From All Sources - Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: INC8GPER

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

IS - INSURANCE**14.1 Number of Types of Medical Insurance**

Cycle 4 Name: ISC0D1

Cycle 3 Name: ISC8D1

Cycle 2 Name: ISC6D1 (formerly IS_6D1)

Cycle 1 Name: N/A

Based on ISCh_1 (DGC6_6 in cycle 2); ISCh_2 (DV_6_66 in cycle 2); ISCh_3 (EX_6_77 in cycle 2) and ISCh_4 (ES_6_82 in cycle 2).

Value of ISChD1	Description	Condition
0	No insurance	Count # yes in ISCh_1,2,3 and 4
1	1 type of insurance	Count # yes in ISCh_1,2,3 and 4
2	2 types of insurance	Count # yes in ISCh_1,2,3 and 4
3	3 types of insurance	Count # yes in ISCh_1,2,3 and 4
4	4 types of insurance	Count # yes in ISCh_1,2,3 and 4
6	Not applicable (DHCh_AGE <12 or selected respondent institutionalized)	ISCh_4=6
9	Not stated	ISCh_1 or ISCh_2 or ISCh_3 or ISCh_4>6

LF - LABOUR FORCE

By reducing the number of jobs for which data is collected from 6 in Cycle 1 to 3 in Cycle 2 and 3, some derived variables were dropped and some categories changed. Data on only 3 jobs were retained for the Cycle 1 part of the longitudinal file. Main job was re-calculated. For Cycle 4, the Labour Force section of the questionnaire was modified again. For this cycle, many new derived variables were created and the Labour Force section was given a new name of Labour Status and all new derived variables now begin with the prefix "LSC" as opposed to "LFC" for the previous Labour Force derived variables. These Labour Force derived variables have been kept in two separate sections.

15.1 Working Status (Last 12 Months)

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DCWS
 Cycle 2 Name: LFC6DCWS
 Cycle 1 Name: LFC4DCWS (formerly DVWK94)

Based on LFCn_2, LFCn_6i (where i=1,2,3, e.g. LFCn_61), LFCn_51M and LFCn_71M.

Value of LFCnDCWS	Description	Condition
1	Currently working	LFCn_2=1 and LFCn_6i=1
2	Not currently working but worked in past 12 months	LFCn_2=1 and LFCn_6i=2
3	Did not work past 12 months	LFCn_2=2
4	Worked past 12 months – unknown if current	LFCnDCWS=9 and LFCn_2=1
6	Not applicable	LFCn_2=6
9	Not stated	LFCn_2>6

In Cycle 4, the working status during the past 12 months is asked only to those not working in the past week. This derived variable has been replaced by LSCnDYWS

15.2 Reason for Not Currently Working – Grouped

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: N/A
 *Cycle 1 Name: LFC4G17B (formerly DVREAS94)

Based on LFCn_17B.

*LFC4G17B remains on the longitudinal file since LFC4_17B did not exist in Cycle 1.

Value of LFCnG17B	Description	Condition
1	Own illness or disability	LFCn_17B=1,14
2	Family responsibilities	LFCn_17B=2,3,4,5
3	Student/educational leave	LFCn_17B=6
4	Labour disputes/layoff	LFCn_17B=7,8,9,10
5	Retired	LFCn_17B=11
6	Looking for work	LFCn_17B=13
7	Other	LFCn_17B=12,15,16,17
96	Not applicable	LFCn_17B=96
99	Not stated	LFCn_17B>96

*Problem with retired in 1994. Can only measure retirement for the entire year prior to collection with precision. For "Not currently working due to retirement" the question on main activity has to be used which is not as precise.

In Cycle 4, because of change of flow in the questionnaire design, this derived variable has been replaced by "Main Reason For Not Working Past Week".

15.3 Standard Occupation Codes For Main Job – 47 Categories

Cycle 4 Name: LFC0GO47

Cycle 3 Name: LFC8GO47

Cycle 2 Name: LFC6GO47

Cycle 1 Name: LFC4GO47

Based on LFCnCO91.

1991 Standard Occupational Classification (SOC) – Classification Structure

Statistics Canada's Web Site: <http://dissemination.statcan.ca/english/IPS/Data/12F0038XDE.htm>

Value of LFCnGO47	Description	Condition
1	Senior management occupations	A011-A016
2	Specialist managers	A111-A141
3	Managers in retail trade, food and accommodation services	A211-A222
4	Other managers n.e.c.	A301-A392
5	Professional occcup in business and finance	B011-B022
6	Finance and insurance administrative occupations	B111-B116
7	Secretaries	B211-B214
8	Administrative and regulatory occupations	B311-B318
9	Clerical supervisors	B411-B415
10	Clerical occupations	B511-B576
11	Professional occupations in natural and applied sciences	C011-C063
12	Technical occupations in natural and applied sciences	C111-C175
13	Professional occupations in health	D011-D044
14	Nurse supervisors and registered nurses	D111-D112
15	Technical and related occupations in health	D211-D235
16	Assisting occupations in support of health services	D311-D313
17	Professional occupations in social science, government service & religion	E011-E038
18	Teachers and professors	E111-E133
19	Technical occupations in social science, government service & religion	E211-E216
20	Professional occupations in art and culture	F011-F036
21	Technical occupations in art, culture, recreation and sport	F111-F154
22	Sales and service supervisors	G011-G016
23	Wholesale, technical, insurance, real estate sales specialists, & retail, wholesale & grain buyers	G111-G134
24	Retail salespersons & sales clerks	G211
25	Cashiers	G311

Value of LFCnGO47	Description	Condition
26	Chefs & cooks	G411-G412
27	Occupations in food & beverage service	G511-G513
28	Occupations in protective services	G611-G631
29	Occupations in travel and accommodation	G711-G732
30	Childcare and home support workers	G811-G814
31	Sales & service occupations n.e.c.	G911-G983
32	Contractors & supervisors in trades & transportation	H011-H022
33	Construction trades	H111-H145
34	Stationary engineers, power station operators & electrical trades & telecommunications occupations	H211-H222
35	Machinists, metal forming, shaping and erecting occupations	H311-H325
36	Mechanics	H411-H435
37	Other trades n.e.c.	H511-H535
38	Heavy equipment and crane operators, including drillers	H611-H623
39	Transportation equipment operators and related workers, excluding labourers	H711-H737
40	Trades helpers, construction, & transportation labourers & related occupations	H811-H832
41	Occupations unique to agriculture excluding labourers	I011-I022
42	Occupations unique to forestry operation, mining, oil and gas extraction, and fishing, excluding labourers	I111-I182
43	Primary production labourers	I211-I216
44	Supervisors in manufacturing	J011-J027
45	Machine operators in manufacturing,	J111-J197
46	Assemblers in manufacturing	J211-J228
47	Labourers in processing, manufacturing & utilities	J311-J319

15.4 Standard Occupation Codes For Main Job - 25 Categories

Cycle 4 Name: LFC0GO25
 Cycle 3 Name: LFC8GO25
 Cycle 2 Name: LFC6GO25
 Cycle 1 Name: LFC4GO25

Based on LFCnCO91.

1991 Standard Occupational Classification (SOC) – Classification Structure

Statistics Canada's Web Site: <http://dissemination.statcan.ca/english/IPS/Data/12F0038XDE.htm>

Value of LFCnGO25	Description	Condition
1	Senior management occupations	A011-A016
2	Other management occupations	A111-A392
3	Professional occup. in business and finance	B011-B022
4	Financial, secretarial & admin occupations	B111-B318
5	Clerical occupations, including supervisors	B411-B576
6	Natural & applied sciences & related occup.	C011-C175
7	Professional occup. in health, nurse supervisors & registered nurses	D011-D112
8	Technical, assisting & related occup. in health	D211-D313
9	Occup. in social science, government service & religion	E011-E038,E211-E216
10	Teachers and professors	E111-E133
11	Occup. in art, culture, recreation and sport	F011-F154
12	Wholesale, tech, insurance, real estate sales specialists, & retail, wholesale & grain buyers	G111-G134
13	Retail salespersons, sales clerks, cashiers, including retail trade supervisors	G011,G211-G311
14	Chefs & cooks, & occupations in food & beverage service, including supervisors	G012,G411-G513
15	Occupation in protective services	G611-G631
16	Childcare and home support workers	G811-G814
17	Sales & service occupations n.e.c., including occup. in travel & accommodation, attendants in recreation & sport as well as supervisors	G013-G016,G711-G732,G911-G983
18	Contractors & super in trades & transportation	H011-H022
19	Construction trades	H111-H145
20	Other trades occupations	H211-H535
21	Transport and equipment operators	H611-H737
22	Trades helpers, const., & transportation labourers & related occupations	H811-H832
23	Occupations unique to primary industry	I011-I216
24	Machine operators & assemblers in manufacturing, including supervisors	J011-J228
25	Labourers in processing, manufact. & utilities	J311-J319

15.5 **Standard Industry Codes For Main Job – 16 Categories**

Cycle 4 Name: LFC0GI16

Cycle 3 Name: LFC8GI16

Cycle 2 Name: LFC6GI16

Cycle 1 Name: LFC4GI16

Based on LFCnCI97.

North American Industry Classification System (NAICS) - 1997.

Statistics Canada's Web Site:<http://dissemination.statcan.ca/english/Subjects/Standard/manuals.htm>

Value of LFCnGI16	Description	Condition
1	Agriculture	1100-1129 1151-1152
2	Forestry, fishing, mining, oil and gas	1131-1142, 1153, 2100-2131
3	Utilities	2211-2213
4	Construction	2311-2329
5	Manufacturing	3111-3399
6	Trade	4111-4543
7	Transportation and warehousing	4811-4931
8	Finance, insurance, real estate and leasing	5211-5331
9	Professional, scientific and technical services	5411-5419
10	Management, administrative and other support	5511-5629
11	Educational services	6111-6117
12	Health care and social assistance	6211-6244
13	Information, culture and recreation	5111-5142 7111-7139
14	Accommodation and food services	7211-7224
15	Other services (except public administration)	8111-8141
16	Public administration	9110-9191

15.6 **Job Number of Old Main Job**

Cycle 4 Name: N/A

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: LFC4DOMN

In Cycle 1, data were collected on up to 6 jobs over the previous 12 months. Very few respondents had greater than 3 jobs, so it was decided that starting in Cycle 2, only data on 3 jobs would be collected. In preparation for the creation of the longitudinal file, the Cycle 1 data were put in the same format as the Cycle 2 jobs. Jobs were re-ordered, so that the main job was not one of jobs 4, 5 or 6, which were dropped. This variable, old main job, saves the number of the main job as it appears on the Cycle 1 master and PUMF files.

15.7 Job Number of Main Job

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8FMN
 Cycle 2 Name: LFC6FMN
 Cycle 1 Name: LFC4FMN (*formerly LFS_MAIN*)

In cycle 4 information is asked only for most recent or current job. For previous cycles, if more than one job, the jobs are reordered in such a way that Job 1 is the most current job, e.g., stopdate=June 1997). If two jobs have the same stopdate, the startdate determines the sort.

15.8 Work Flag

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8FWK
 Cycle 2 Name: LFC6FWK
 Cycle 1 Name: LFC4FWK (*formerly LFS_WORK*)

Work flag (used for processing only). This flag is used to determine if currently working. However, if there is any non-response in the LFS section it is set to "Not stated".

15.9 Jobless Gap

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8FGAP
 Cycle 2 Name: LFC6FGAP
 Cycle 1 Name: LFC4FGAP (*formerly LFS_GAPS*)

Flag indicating a jobless gap greater than 30 days.

15.10 Number of Gaps

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DGA
 Cycle 2 Name: LFC6DGA
 Cycle 1 Name: LFC4DGA (*formerly DVNOGP94*)

Based on all start and stop dates of jobs in the past 12 months. LFCnDGA measures a gap between jobs 1, 2 and/or 3. LFCnFGAP measures any jobless spell within the past 12 months, not only those between job 1, 2 and 3.

Number of gaps of 30 days or more:

0=No Gaps
 1=One gap
 2=Two gaps
 6=Not applicable
 9=Not stated

15.11 Duration of Work Without A Break

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DDA
 Cycle 2 Name: LFC6DDA
 Cycle 1 Name: LFC4DDA (*formerly DVCOWD94*)

Based on LFCn_5 and LFCn_7 (end date minus start date, divided by 30).

Duration of work without break > 30 days: the duration of last continuous work period without a break of employment:

00 to 12=Months
 96=Not applicable
 99=Not stated

15.12 Pattern of Working Hours of All Jobs

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DHA
 Cycle 2 Name: LFC6DHA
 Cycle 1 Name: LFC4DHA (formerly DVWH94)

Based on LFCnDJA (number of jobs). (Source: LFCn_2, LFCn_111, LFCn_112 and LFCnDH1, LFCnDH2, LFCnDH3 (derived working hours)).

Pattern of working hours of all jobs:

1=1 Job, Full time
 2=1 Job, Part time
 3=Only Full time at all jobs
 4=Only Part time at all jobs
 5=Some Full time, Some Part time
 6=Not applicable
 9=Not stated

15.13 Number of Jobs

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DJA
 Cycle 2 Name: LFC6DJA
 Cycle 1 Name: LFC4DJA (formerly DVNOJB94)

Based on LFCn_2, LFCn_111 and LFCn_112.

Note: This variable was 2 bytes long in 1994.
--

Number of jobs:

0=No job
 1=1 job
 2=2 jobs
 3=3 jobs
 6=Not applicable
 9=Not stated

15.14 Pattern of Number of Jobs

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DJGA
 Cycle 2 Name: LFC6DJGA
 Cycle 1 Name: LFC4DJGA (formerly DVJOB94)

Based on LFCnDJA, LFCnDCWS and LFCnDGA.

Pattern of number of jobs and gaps:

1=1 Job, Currently Working
 2=1 Job, Not Currently Working
 3=2+ Job, No gap, No Overlap
 4=2+ Job, No Gap, Some Overlap
 5=2+ Jobs, At Least 1 Gap, No Overlap
 6=2+ Jobs, At Least 1 Gap, Some Overlap
 7=Other
 96=Not applicable
 99=Not stated

15.15 Main Job is the Current Job

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DCMN
 Cycle 2 Name: LFC6DCMN
 Cycle 1 Name: LFC4DCMN (formerly DVMNWK94)

Based on LFCnFMN, LFCn_61, LFCn_62 and LFCn_63.

15.16 Work Duration – Main Job

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DDMN
 Cycle 2 Name: LFC6DDMN
 Cycle 1 Name: LFC4DDMN (formerly DVMNWD94)

Based on LFCn_51 and LFCn_71(end date minus start date, divided by 30).

15.17 Hours of Work – Main Job

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DHMN
 Cycle 2 Name: LFC6DHMN
 Cycle 1 Name: LFC4DHMN (formerly DVMNWH94)

Based on LFCnFMN and LFCn_81.

Hours of work - main job:

1=Full Time (30 Hours or More)
 2=Part Time (Less Than 30 Hours)
 6=Not applicable
 9=Not stated

15.18 Type of Working Hours – Main Job

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DTMN
 Cycle 2 Name: LFC6DTMN
 Cycle 1 Name: LFC4DTMN (formerly DVMNTH94)

Based on LFCnFMN, LFCn_91 to LFCn_93 and LFCn_101 to LFCn_103.

Type of working hours - main job:

1=Regular Shift, No Weekend
 2=Regular Shift, With Weekend
 3=Rotating or Split Shift, No Weekend
 4=Rotating or Split Shift, With Weekend
 5=Irregular/On Call Schedule, No Weekend
 6=Irregular/On Call Schedule, With Weekend
 7=Other, No Weekend
 8=Other, With Weekend
 96=Not applicable
 99=Not stated

15.19 Work Duration – Job 1

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DD1
 Cycle 2 Name: LFC6DD1
 Cycle 1 Name: LFC4DD1 (formerly DVWD194)

Based on LFCn_51 and LFCn_71 (end date minus start date, divided by 30).

Work duration - job 1:
0-12=Months
96=Not applicable
99=Not stated

15.20 **Work Duration – Job 2**

Cycle 4 Name: N/A
Cycle 3 Name: LFC8DD2
Cycle 2 Name: LFC6DD2
Cycle 1 Name: LFC4DD2 (*formerly DVWD294*)

Based on LFCn_52 and LFCn_72 (end date minus start date, divided by 30).

Work duration - job 2:
0-12=Months
96=Not applicable
99=Not stated

15.21 **Work Duration – Job 3**

Cycle 4 Name: N/A
Cycle 3 Name: LFC8DD3
Cycle 2 Name: LFC6DD3
Cycle 1 Name: LFC4DD3 (*formerly DVWD394*)

Based on LFCn_53 and LFCn_73 (end date minus start date, divided by 30).

Work duration - job 3:
0-12=Months
96=Not applicable
99=Not stated

15.22 **Hours of Work – Job 1**

Cycle 4 Name: N/A
Cycle 3 Name: LFC8DH1
Cycle 2 Name: LFC6DH1
Cycle 1 Name: LFC4DH1 (*formerly DVWH194*)

Based on LFCn_81.

Hours of work - job 1:
1=Full Time (30 Hours or More)
2=Part Time (Less Than 30 Hours)
6=Not applicable
9=Not stated

15.23 **Hours of Work – Job 2**

Cycle 4 Name: N/A
Cycle 3 Name: LFC8DH2
Cycle 2 Name: LFC6DH2
Cycle 1 Name: LFC4DH2 (*formerly DVWH294*)

Based on LFCn_82.

Hours of work - job 2:
1=Full Time (30 Hours or More)
2=Part Time (Less Than 30 Hours)
6=Not applicable
9=Not stated

15.24 Hours of Work – Job 3

Cycle 4 Name: N/A
Cycle 3 Name: LFC8DH3
Cycle 2 Name: LFC6DH3
Cycle 1 Name: LFC4DH3 (formerly DVWH394)

Based on LFCn_83.

Hours of work - job 3:

1=Full Time (30 Hours or More)
2=Part Time (Less Than 30 Hours)
6=Not applicable
9=Not stated

15.25 Type of Working Hours – Job 1

Cycle 4 Name: N/A
Cycle 3 Name: LFC8DT1
Cycle 2 Name: LFC6DT1
Cycle 1 Name: LFC4DT1 (formerly DVTH194)

Based on LFCn_91 and LFCn_101.

Type of working hours - job 1:

1=Regular Shift, No Weekend
2=Regular Shift, With Weekend
3=Rotating or Split Shift, No Weekend
4=Rotating or Split Shift, With Weekend
5=Irregular/On Call Schedule, No Weekend
6=Irregular/On Call Schedule, With Weekend
7=Other, No Weekend
8=Other, With Weekend
96=Not applicable
99=Not stated

15.26 Type of Working Hours – Job 2

Cycle 4 Name: N/A
Cycle 3 Name: LFC8DT2
Cycle 2 Name: LFC6DT2
Cycle 1 Name: LFC4DT2 (formerly DVTH294)

Based on LFCn_92 and LFCn_102.

Type of working hours - job 2:

1=Regular Shift, No Weekend
2=Regular Shift, With Weekend
3=Rotating or Split Shift, No Weekend
4=Rotating or Split Shift, With Weekend
5=Irregular/On Call Schedule, No Weekend
6=Irregular/On Call Schedule, With Weekend
7=Other, No Weekend
8=Other, With Weekend
96=Not applicable
99=Not stated

15.27 **Type of Working Hours – Job 3**

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DT3
 Cycle 2 Name: LFC6DT3
 Cycle 1 Name: LFC4DT3 (formerly DVTH394)

Based on LFCn_93 and LFCn_103.

Type of working hours - job 3:

1=Regular Shift, No Weekend
 2=Regular Shift, With Weekend
 3=Rotating or Split Shift, No Weekend
 4=Rotating or Split Shift, With Weekend
 5=Irregular/On Call Schedule, No Weekend
 6=Irregular/On Call Schedule, With Weekend
 7=Other, No Weekend
 8=Other, With Weekend
 96=Not applicable
 99=Not stated

LABOUR FORCE VARIABLES DROPPED IN CYCLE 4:**1. Household Labour Force Status - Current**

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DHW1
 Cycle 2 Name: LFC6DHW1
 Cycle 1 Name: N/A

Reason: LFS asked only of Longitudinal Respondent (Household information no longer available).

2. Household Labour Force Status – During Year

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8DHW2
 Cycle 2 Name: LFC6DHW2
 Cycle 1 Name: N/A

Reason: LFS asked only of Longitudinal Respondent (Household information no longer available).

3. Standard Occupation Codes For Main Job – 34 Categories

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: LFC6GO34 (replaced by LFC6GO47)
 Cycle 1 Name: LFC4GO34 (replaced by LFC4GO47)

Reason: New Coding Scheme in 1998

4. Standard Occupation Codes For Main Job – 21 Categories

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: LFC6GO21 (replaced by LFC6GO25)
 Cycle 1 Name: LFC4GO21 (replaced by LFC4GO25)

Reason: New Coding Scheme in 1998

5. Standard Industry Codes For Main Job – 13 Categories

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: LFC6GI13 (replaced by LFC6GI16)
 Cycle 1 Name: LFC4GI13 (replaced by LFC4GI16)

Reason: New Coding Scheme in 1998

6. Standard Occupation Codes For Main Job

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: LFC6CSOC (replaced by LFC6CO91)
 Cycle 1 Name: LFC4CSOC (replaced by LFC4CO91)
Reason: New Coding Scheme in 1998

7. Standard Industry Codes For Main Job

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: LFC6CSIC (replaced by LFC6CI97)
 Cycle 1 Name: LFC4CSIC (replaced by LFC4CI97)
Reason: New Coding Scheme in 1998

8. Blisshen Socio-Economic Index For Main Job

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: LFC6DBLI
 Cycle 1 Name: LFC4DBLI
Reason: New Coding Scheme in 1998

9. Pineo Socio-Economic Class – Main Activity

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: LFC6DPIN
 Cycle 1 Name: LFC4DPIN
Reason: New Coding Scheme in 1998

10. Reason for Not Working – Most Recent Period - Grouped

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8G17A
 Cycle 2 Name: LFC6G17A
 Cycle 1 Name: N/A
Reason: Grouped variable (PUMF only)

11. Reasons for Not Working – Currently - Grouped

Cycle 4 Name: N/A
 Cycle 3 Name: LFC8G17B
 Cycle 2 Name: LFC6G17B
 *Cycle 1 Name: N/A (LFC4G17B (formerly DVREAS94))
Reason: Grouped variable (PUMF only)

*LFC4G17B remains on the longitudinal file since LFC4_17B did not exist in Cycle 1 (see 15.2 above).
 LFC6G17B and LFC8G17B were dropped.

12. Change in Employment Between Cycle 1 and Cycle 2

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: LFC6LEMP
 Cycle 1 Name: N/A
Reason: Data does not allow definitive calculation

LS - LABOUR STATUS**16.1 Student Working Status**

Cycle 4 Name: LSC0DSWS

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on EDCn_1, EDCn_2, DHCn_AGE and LSCnDYWS (Source: LSCn_1, LSCn_2, LSCn_11, LSCn_21 and LSCn_22). Replaces EDCnDLF.

Value of LSCnDSWS	Description	Condition
1	Worked/school full time	EDCn_1=1 & EDCn_2=1 & LSCnDYWS=1 or 2
2	Worked/school part time	EDCn_1=1 & EDCn_2=2 & LSCnDYWS=1 or 2
3	Did not work/school full time	EDCn_1=1 & EDCn_2=1 & LSCnDYWS=3 or 4 or 5 or 6
4	Did not work/school part time	EDCn_1=1 & EDCn_2=2 & LSCnDYWS=3 or 4 or 5 or 6
6	Not applicable	EDCn_1=2 or EDCn_1=6 or LSCnDYWS=96; DHCn_AGE<15 or >75
9	Not stated	Otherwise

16.2 Current Working Status

Cycle 4 Name: LSC0DCWS

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on LSCn_1 and LSCn_2.

Value of LSCnDCWS	Description	Condition
1	Had a job- at work last week	LSCn_1=1
2	Had a job - absent from work last week	LSCn_2=1
3	Did not have a job last week	LSCn_2=2
4	Permanently unable to work	LSCn_1=3
6	Not applicable	Age<15 or >75 or LSCn_1=6
9	Not stated	LSCn_1=7, 8 or 9 or LSCn_2=7, 8 or 9

16.3 Working Status in the last 12 months

Cycle 4 Name: LSC0DYWS

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on LSCn_1, LSCn_2, LSCn_11, LSCn_21 and LSCn_22. This variable replaces LFCnDCWS.

Value of LSCnDYWS	Description	Condition
1	Had a job last week	LSCn_1=1 or LSCn_2=1
2	Did not have a job but worked in the last 12 months	LSCn_1=2 and LSC_21=1
3	Did not have a job in the last 12 months and looked for work in the last 4 weeks	LSCn_11=1 and LSC_21=2
4	Did not have a job in the last 12 months and was looking for work in the last 12 months	LSCn_21=2 and (LSCn_11=1 or LSCn_22=1)
5	Did not have a job in the last 12 months and did not look for work in the last 12 months	LSCn_21=2 and (LSCn_11=2 and LSCn_22=2)
6	Permanently unable to work	LSCn_1=3
96	Not applicable	Age<15 or >75 or LSCn_1=6
99	Not stated	LSCn_1=(7, 8 or 9) or LSCn_2=(7, 8 or 9) or LSCn_11=(7, 8 or 9) or LSCn_21=(7, 8 or 9) or LSCn_22=(7, 8 or 9)

16.4 Main reason for not working last week

Cycle 4 Name: LSC0DRNW

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on LSCn_1, LSCn_11, LSCn_12, LSCn_13 and LSCn_41.

Value of LSCnDRNW	Description	Condition
1	Permanently unable to work	LSCn_1=3
2	Own illness or disability	LSCn_13=1 or LSCn_41=1
3	Caring for – own children	LSCn_13=2 or LSCn_41=2
4	Caring for – elder relative	LSCn_13=3 or LSCn_41=3
5	Pregnancy / maternity leave	LSCn_13=4 or LSCn_41=4
6	Other personal or family responsibilities	LSCn_13=5 or LSCn_41=5
7	Vacation	LSCn_13=6 or LSCn_41=6
8	School or educational leave	LSCn_13=7 or LSCn_41=14
9	Retired	LSCn_13=8
10	Believes no work is available (in area or suited to skills)	LSCn_13=9
11	Labour dispute	LSCn_41=7
12	Temporary layoff due to business conditions	LSCn_41=8
13	Seasonal layoff	LSCn_41=9
14	Casual job, no work available	LSCn_41=10
15	Self-employed, no work available	LSCn_41=12
16	Seasonal business	LSCn_41=13
17	Looking for work	LSCn_11=1
18	Work schedule	LSCn_41=11
19	Future Start	LSCn_12=1
20	Other	LSCn_13=10 or LSCn_41=15
96	Not applicable (Respondent was working)	LSCn_1=1 or 6 or (Age<15 or Age>75)
99	Not stated	(LSCn_11=7,8 or 9) or (LSCn_13=97, 98 or 99) or (LSCn_41=97, 98 or 99)

This variable replaces LFCnG17A.

16.5 Multiple job status

Cycle 4 Name: LSC0DMJS

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on LSCn_1, LSCn_3, LSCn_21, LSCn_23 and LSCn_51.

Value of LSCnDMJS	Description	Condition
1	Currently has multiple jobs – had them all past year	LSCn_51=52 and LSCn_3=1
2	Currently has multiple jobs – did not have them all past year	LSCn_3=1 and LSCn_51< 52
3	Currently has only one job	LSCn_3=2
4	Currently does not have a job – held multiple jobs over past year	LSCn_23=1
5	Currently does not have a job – held only one job at a time over the past 12 months	LSCn_23=2
6	Currently does not have a job – no job in past year	LSCn_21=2
96	Not applicable	DHCn_AGE< 15 or >75 or LSCn_1=6
99	Not stated	(LSCn_3=7,8 or 9) or (LSCn_21=7,8 or 9) or (LSCn_23=7,8 or 9) or (LSCn_3=1 and LSCn_51=97,98 or 99)

16.6 Total usual hours worked per week

Cycle 4 Name: LSC0DHPW

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on LSCn_1, LSCn_42 and LSCn_53.

Value of LSCnDHPW	Description	Condition
LSCn_42	Number of hours usually worked for respondents with one job	LSCn_42<996 and LSCn_53=996
LSCn_42 + LSCn_53	Number of total hours usually worked for respondents with more than one job	LSCn_42<996 and LSCn_53<996
996	Not applicable	DHCn_AGE<15 and >75 (LSCn_1=6) or LSCn_42=996
999	Not stated	(LSCn_42=997,998 or 999) or (LSCn_53=997,998 or 999)

16.7 Full time / Part time work status (for total usual hours)

Cycle 4 Name: LSC0DPFT

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on LSCnDHPW. (Source: LSCn_1, LSCn_42 and LSCn_53).

Value of LSCnDPFT	Description	Condition
1	Full time (30 hours or more)	LSCnDHPW>=30
2	Part time (less than 30 hours)	LSCnDHPW<30
6	Not applicable	LSCnDHPW=96
9	Not stated	LSCnDHPW=99

16.8 Job status over past year

Cycle 4 Name: LSC0DJST

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on LSCn_1, LSCn_11, LSCn_22, LSCn_61 and LSCn_71.

Value of LSCnDJST	Description	Condition
1	Respondent has had a job throughout the past year	LSCn_61=52
2	Respondent was without a job and looking for work throughout the past year	LSCn_71=52
3	Respondent was without a job and not looking for work throughout past year	LSCn_22=2
4	Respondent has had a job part of the year – was without a job and looking for other part of the year	(LSCn_61 + LSCn_71)=52 and (LSCn_71>0 and < 52) and (LSCn_61< 52)
5	Respondent has had a job part of the year – was without a job and not looking for other part of the year	LSCn_61< 52 and LSCn_71=0
6	Respondent was without a job and looking for part of the year – was without a job and not looking for other part of the year	LSCn_71<52 and LSCn_21=2 and (LSCn_11=1 or LSCn_22=1)
7	Respondent has had a job part of the year – was without a job and looking for part of the year – was without a job and not looking for other part of year	(LSCn_61 + LSCn_71)< 52 and (LSCn_71>0 and <52) and (LSCn_61<52)
96	Not applicable	Age<15 and >75 (LSCn_01=6)
99	Not stated	(LSCn_22=7,8 or 9) or (LSCn_61=97,98 or 99) or (LSCn_71=97,98 or 99)

MH - MENTAL HEALTH**17.1 Distress Scale**

Cycle 4 Name: MHC0DDS
 Cycle 3 Name: MHC8DDS
 Cycle 2 Name: MHC6DDS
 Cycle 1 Name: MHC4DDS (formerly DVMHDS94)

Based on sum of variables MHCn_1A to MHCn_1F.

Score was reversed for questions MHCn_1A, 1B, 1C, 1D, 1E and 1F.

MIN=0, MAX=24

The items and scoring used to derive the distress score are based on the work of Kessler and Mroczek (from Michigan University). The index is based on a subset of items from the Composite International Diagnostic Interview (CIDI). The CIDI is a structured diagnostic instrument that was designed to produce diagnoses according to the definitions and criteria of both DSM-III-R and the Diagnostic Criteria for Research of the International Classification of Diseases, 10th Version (ICD-10). Higher scores indicate more distress.

Internet Site : National Comorbidity Survey : www.hcp.med.harvard.edu/ncs/
 Composite International Diagnostic Interview (CIDI) : www.who.int/msa/cidi/index.htm

Value of MHCnDDS	Description	Condition
0-24	Index value	Sum of scores for questions MHCn_1A to MHCn_1F. Each index value was reversed and converted to a scale of 0 to 4.
96	Not applicable	MHCn_1A=6
99	Not stated	One of MHCn_1A to MHCn_1F is 7,8 or 9

17.2 Chronicity of Distress Scale

Cycle 4 Name: MHC0DCH
 Cycle 3 Name: MHC8DCH
 Cycle 2 Name: MHC6DCH
 Cycle 1 Name: MHC4DCH (formerly DVMHCH94)

Based on MHCn_1G to MHCn_1I.

Paired with MHCnDDS (Distress Scale) are the variables MHCn_1G to MHCn_1I that assess chronicity of distress.

Internet Site : National Comorbidity Survey : www.hcp.med.harvard.edu/ncs/
 Composite International Diagnostic Interview (CIDI) : www.who.int/msa/cidi/index.htm

Value of MHCnDCH	Description	Condition
1	A lot more than usual	MHCn_1H=1
2	Somewhat more than usual	MHCn_1H=2
3	A little more than usual	MHCn_1H=3
4	About the same as usual	MHCn_1G=3
5	A little less than usual	MHCn_1I=3
6	Somewhat less than usual	MHCn_1I=2
7	A lot less than usual	MHCn_1I=1
8	Never have had any	MHCn_1G=4
96	Not applicable	MHCn_1G=6
99	Not stated	Any other conditions

17.3 Depression Scale – Short Form Score

Cycle 4 Name: MHC0DSF

Cycle 3 Name: MHC8DSF

Cycle 2 Name: MHC6DSF

Cycle 1 Name: MHC4DSF (formerly DVFSFS94)

Based on MHCn_2 to MHCn_28.

The items used to measure depression are based on the work of Kessler and Mroczek (from University of Michigan). They selected a subset of items from the Composite International Diagnostic Interview (CIDI) that measure major depressive episodes (MDE). The CIDI is a structured diagnostic instrument that was designed to produce diagnoses according to the definitions and criteria of both DSM-III-R and the Diagnostic Criteria for Research of the ICD-10. The short-form of MDE used in the NPHS was developed to operationalize Criteria A through C of the DSM-III-R diagnosis of MDE. The diagnostic hierarchy rules defined in Criterion D ("not superimposed on schizophrenia, schizophreniform disorder, delusional disorder, or psychotic disorder NOS") were ignored.

Internet Site : National Comorbidity Survey : www.hcp.med.harvard.edu/ncs/
Composite International Diagnostic Interview (CIDI) : www.who.int/msa/cidi/index.htm

17.4 Depression Scale – Predicted Probability

Cycle 4 Name: MHC0DPP

Cycle 3 Name: MHC8DPP

Cycle 2 Name: MHC6DPP

Cycle 1 Name: MHC4DPP (formerly DVPP94)

Based on MHCnDSF. (Source: MHCn_2 to MHCn_28).

The predicted probability (MHCnDPP) was assigned based on respondents' short-form scores. A predicted probability of 0 was assigned to respondents who denied the stem questions. MHCnDPP was assigned as follows:

MHCnDSF =	0	1	2	3	4	>4	96	99
MHCnDPP =	0	0.05	0.25	0.5	0.8	0.9	9.96	9.99

17.5 Number of weeks felt depressed

Cycle 4 Name: MHC0DWK

Cycle 3 Name: MHC8DWK

Cycle 2 Name: MHC6DWK

Cycle 1 Name: MHC4DWK (formerly DVMHWK94)

Based on MHCn_14 or MHCn_27. Only one question would have been answered.

Value of MHCnDWK	Description	Condition
2-52	# of weeks respondent was depressed in the last year (Value of MHCn_14)	(MHCn_14<96)
2-52	# of weeks respondent lost interest in things last year (Value of MHCn_27)	(MHCn_14>=96) and (MHCn_27<96)
96	Respondent is not depressed or is Not applicable (population exclusion etc.)	MHCnDSF=96 or (MHCn_14=96 and MHCn_27=96)
99	Respondent didn't answer the required question.	MHCnDSF=99 or MHCn_14>96 or MHCn_27>96

17.6 Specific month when felt depressed

Cycle 4 Name: MHC0DMT

Cycle 3 Name: MHC8DMT

Cycle 2 Name: MHC6DMT

Cycle 1 Name: MHC4DMT (formerly DVMHMT94)

Based on MHCn_15 or MHCn_28. Only one question would have been answered.

Value of MHCnDMT	Description	Condition
1-12	Specific month respondent felt depressed for at least 2 weeks in a row (Value of MHCn_15)	MHCn_14<52 and MHCn_15<96
1-12	Specific month respondent last lost interest in things for at least 2 weeks in a row (Value of MHCn_28)	MHCn_14=96 and MHCn_27<52 and MHCn_28<96
96	Respondent is not depressed or is Not applicable (population exclusion etc.)	MHCn_14=96 and MHCn_27=96
99	Respondent didn't answer the required questions, or was depressed for >51 weeks last year	(MHCn_14=52,53,97,98 or 99) or (MHCn_15=97,98 or 99) or (MHCn_27=52,53, 97,98 or 99) or (MHCn_28=97,98 or 99)

MENTAL HEALTH VARIABLES DROPPED IN CYCLE 4:

1. Number of Consultations – Health Professional/Mental Health

Cycle 4 Name: N/A

Cycle 3 Name: MHC8G1L

Cycle 2 Name: MHC6G1L

Cycle 1 Name: N/A (formerly MH_Q1L)

Reason: Grouped variable (PUMF only)

NU - NUTRITION**18.1 Number of Medical Reasons for Choosing or Avoiding Foods**

Cycle 4 Name: N/A

Cycle 3 Name: NU_8D1

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on NU_n_1A to NU_n_1G.

Value of NU_nD1	Description	Condition
0	None	Count of "yes" in NU_n_1A to NU_n_1G
1	One	Count of "yes" in NU_n_1A to NU_n_1G
2	Two	Count of "yes" in NU_n_1A to NU_n_1G
3	Three	Count of "yes" in NU_n_1A to NU_n_1G
4	Four	Count of "yes" in NU_n_1A to NU_n_1G
5	Five	Count of "yes" in NU_n_1A to NU_n_1G
6	Six	Count of "yes" in NU_n_1A to NU_n_1G
7	Seven	Count of "yes" in NU_n_1A to NU_n_1G
96	Not applicable	NU_n_1A=6
99	Not stated	NU_n_1A to NU_n_1G in (7, 8, 9)

18.2 Number of Content Reasons for Choosing Foods

Cycle 4 Name: N/A

Cycle 3 Name: NU_8D2

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on NU_n_2A to NU_n_2E.

Value of NU_nD2	Description	Condition
0	None	Count of "yes" in NU_n_2A to NU_n_2E
1	One	Count of "yes" in NU_n_2A to NU_n_2E
2	Two	Count of "yes" in NU_n_2A to NU_n_2E
3	Three	Count of "yes" in NU_n_2A to NU_n_2E
4	Four	Count of "yes" in NU_n_2A to NU_n_2E
5	Five	Count of "yes" in NU_n_2A to NU_n_2E
96	Not applicable	NU_n_2A=6
99	Not stated	NU_n_2A to NU_n_2E in (7, 8, 9)

18.3 Number of Content Reasons for Avoiding Foods

Cycle 4 Name: N/A

Cycle 3 Name: NU_8D3

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on NU_n_3A to NU_n_3G.

Value of NU_nD3	Description	Condition
0	None	Count of "yes" in NU_n_3A to NU_n_3G
1	One	Count of "yes" in NU_n_3A to NU_n_3G
2	Two	Count of "yes" in NU_n_3A to NU_n_3G
3	Three	Count of "yes" in NU_n_3A to NU_n_3G
4	Four	Count of "yes" in NU_n_3A to NU_n_3G
5	Five	Count of "yes" in NU_n_3A to NU_n_3G
6	Six	Count of "yes" in NU_n_3A to NU_n_3G
7	Seven	Count of "yes" in NU_n_3A to NU_n_3G
96	Not applicable	NU_n_3A=6
99	Not stated	NU_n_3A to NU_n_3G in (7, 8, 9)

18.4 Frequency of Consumption of Vitamin or Mineral Supplements

Cycle 4 Name: N/A

Cycle 3 Name: NU_8DCON

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on NU_n_4A to NU_n_4C.

Value of NU_nDCON	Description	Condition
1	Non-user in last 4 weeks	NU_n_4A=2
2	Occasional user in last 4 weeks	NU_n_4B=2
3	Regular user in last 4 weeks – 1 to 2 days in last week	NU_n_4C=1 or 2
4	Regular user in last 4 weeks – 3 to 4 days in last week	NU_n_4C=3 or 4
5	Regular user in last 4 weeks – 5 to 6 days in last week	NU_n_4C=5 or 6
6	Regular user in last 4 weeks – 7 days in last week	NU_n_4C=7
96	Not applicable	NU_n_4A=6
99	Not stated	Otherwise

PA - PHYSICAL ACTIVITY**19.1 Energy Expenditure**

Cycle 4 Name: PAC0DEE

Cycle 3 Name: PAC8DEE

Cycle 2 Name: PAC6DEE

Cycle 1 Name: PAC4DEE (formerly DVEE94)

Based on PACn_1A to 1X, PACn_2A to 2X and PACn_3A to 3X. (Activity list unique to each cycle).

The list of activities (PACn_1) has changed minimally from 1994. "Skating" in 1994 was changed to "ice skating" in 1996. "Yoga or tai-chi" was dropped in 1996 and "basketball" was added. In 1998 "cross-country skiing" was dropped and "roller blading" was added. There was no change in 2000.

In order to derive a physical activity index, the energy expenditure (EE) of participants in their leisure activities should be estimated. EE is calculated using the frequency and time per session of the physical activity as well as its MET value. The MET is a value of metabolic energy cost expressed as a multiple of the resting metabolic rate. Thus, an activity of 4 METS requires four times the amount of energy required when the body is at rest.

Energy Expenditure values for all activities in a day are calculated as follows:

$$EE \text{ (kcal/kg/day)} = \text{Sum of } ((N_i * D_i * \text{MET value}) / 365)$$

N_i = the number of times a respondent engaged in an activity i over a 12 month period

D_i = the average duration in hours of the activity i (AVEDUR $_i$)

MET = the energy cost of the activity expressed as kilocalories expended per kilogram of body weight per hour of activity (kcal/kg per hour)/365 (to convert yearly data into daily data)

Value of PACnDEE	Description	Condition
0	No physical activity	PACn_1V=1
0.1 – xx.x	Units of energy (kcal/kg/day)	Sum of $((N_i * D_i * \text{MET value}) / 365)$
99.6	Not applicable	PACn_1V=6
99.9	Not stated	PACn_1V in (7,8,9)

MET values tend to be expressed in three intensity levels (i.e., low, medium, high). NPHS questions did not ask the respondent to specify the intensity level of their activities, therefore the MET values adopted correspond to the low intensity value of each activity. This approach is adopted from the Canadian Fitness and Lifestyle Research Institute because individuals tend to overestimate the intensity, frequency and duration of their activities. The MET values are:

Activity	Cycle 1 MET value	Cycle 2 MET value	Cycle 3 MET Value	Cycle 4 MET Value
PACn_1A - Walking for exercise	3	3	3	3
PACn_1B - Gardening, yard work	3	3	3	3
PACn_1C - Swimming	3	3	3	3
PACn_1D - Bicycling	4	4	4	4
PACn_1E - Popular or social dance	3	3	3	3
PACn_1F - Home exercises	3	3	3	3
PACn_1G - Ice hockey	6	6	6	6
PACn_1H - Ice-skating ("skating" in Cycle 1)	4	4	4	4
PACn_1I - Downhill skiing	4	4	4	4
PACn_1J - Jogging or running	9.5	9.5	9.5	9.5
PACn_1K - Golfing	4	4	4	4
PACn_1L - Exercise class or aerobics	4	4	4	4
PACn_1M - Cross-country skiing	5	5	N/A	N/A
PACn_1N - Bowling	2	2	2	2
PACn_1O - Baseball or softball	3	3	3	3
PACn_1P - Tennis	4	4	4	4
PACn_1Q - Weight-training	3	3	3	3
PACn_1R - Fishing	3	3	3	3
PACn_1S - Volleyball	5	5	5	5
PACn_1T - Basketball	N/A	6	6	6
PACn_1Y - In-line skating or roller-blading	N/A	N/A	5	5
PACn_1Z - Yoga or tai-chi	2	N/A	N/A	N/A
PACn_1U, PACn_1W, PACn_1X Other activities (see note)	4.2	4	4	4

Note: Since it is difficult to assign a MET value to the category "Other Activities", the MET value used was the average of the listed activities except for jogging (MET value 7) or running (MET value 12). The average for the two activities was replaced by the value for jogging only in the calculation of the overall average for "Other activities". Some activities have MET values lower than the average, however, this approach is consistent with other studies, such as the Campbell's Survey and the Ontario Health Survey (OHS).

PACnDEE was calculated from the responses to questions PACn_1n, PACn_2n, and PACn_3n, as follows:

Sum of $((PACn_2n * 4) * AVEDUR * MET) / 365$) for each activity PACn_1n (exclude category "none") where:

-PACn_1n=one activity

-PACn_2n * 4 = number of times for 12 months for each activity

-AVEDUR=average duration for each activity in hours – PACn_3n

-MET=corresponding MET value in kcal/kg/hr

-PACn_1n, PACn_2n, PACn_3n=PACn_1A...1X, PACn_2A...2X, PACn_3A...3X

Note: If PACn_2n or PACn_3n is DK, R or NS, the value of $((PACn_2n * 4) * AVEDUR * MET) / 365$) for that activity=0.

Time spent on each occasion (PACn_3n)	Average duration assigned (AVEDUR)
1 to 15 minutes	13 minutes or .2167 hour
16 to 30 minutes	23 minutes or .3833 hour
31 to 60 minutes	45 minutes or .75 hour
More than one hour	60 minutes or 1 hour

Internet Site : Canadian Fitness and Lifestyle Research Institute : www.cflri.ca/

19.2 Participant in Leisure Physical Activity

Cycle 4 Name: PAC0DLEI
 Cycle 3 Name: PAC8DLEI
 Cycle 2 Name: PAC6DLEI
 Cycle 1 Name: PAC4DLEI (formerly DVPART94)

Source: Ontario Health Survey

Statistics Canada's Web Site: <http://dissemination.statcan.ca/english/sdds/4903.htm>

Based on PACn_1V.

Value of PACnDLEI	Description	Condition
1	Participant	PACn_1V=2
2	Non-participant	PACn_1V=1
6	Not applicable	PACn_1V=6
9	Not stated	PACn_1V>6

19.3 Monthly Frequency of Physical Activity Lasting More Than 15 Minutes

Cycle 4 Name: PAC0DFM
 Cycle 3 Name: PAC8DFM
 Cycle 2 Name: PAC6DFM
 Cycle 1 Name: PAC4DFM (formerly DVMOFQ94)

Source: Ontario Health Survey

Statistics Canada's Web Site: <http://dissemination.statcan.ca/english/sdds/4903.htm>

Based on PACn_1V, PACn_2A to PACn_2X and PACn_3A to PACn_3X. (Activity list unique to each cycle).

This variable measures the number of times in the past month that respondents took part in a physical activity lasting more than 15 minutes. It should be noted that the questions refer to a three-month period and this variable refers to a one-month period (the total frequency was divided by three).

Value of PACnDFM	Description	Condition
0	No physical activity	PACn_1V=1
1 - xxx	Monthly frequency	$\Sigma \text{PACn_2}_i / 3$ where PACn_2 _i < 996 & PACn_3 _i in (2,3,4) for i=a through x, excluding v.
996	Not applicable	PACn_1V=6
999	Not stated	PACn_1V in (7,8,9)

19.4 **Frequency of All Physical Activities Lasting More Than 15 Minutes**

Cycle 4 Name: PAC0DFR
 Cycle 3 Name: PAC8DFR
 Cycle 2 Name: PAC6DFR
 Cycle 1 Name: PAC4DFR (formerly DVPAFQ94)

Based on PACnDFM. (Source: PACn_1V, PACn_2A to PACn_2X and PACn_3A to PACn_3X).

This variable classifies respondents based on their monthly frequency of physical activities lasting more than 15 minutes.

Value of PACnDFR	Description	Condition
1	Regular	PACnDFM ≥ 12 or more times per month
2	Occasional	4 ≤ PACnDFM ≤ 11 times per month
3	Infrequent	0 ≤ PACnDFM ≤ 3 times per month
6	Not applicable	PACnDFM = 996
9	Not stated	PACnDFM = 999

19.5 **Participation in Daily Physical Activities Lasting More Than 15 Minutes**

Cycle 4 Name: PAC0DFD
 Cycle 3 Name: PAC8DFD
 Cycle 2 Name: PAC6DFD
 Cycle 1 Name: PAC4DFD (formerly DVDAFQ94)

Based on PACnDFM. (Source: PACn_1V, PACn_2A to PACn_2X and PACn_3A to PACn_3X).

Value of PACnDFD	Description	Condition
1	Daily	PACnDFM ≥ 30 per month and < 996
2	Not daily	PACnDFM < 30 per month
6	Not applicable	PACnDFM = 996
9	Not stated	PACnDFM = 999

19.6 **Physical Activity Index**

Cycle 4 Name: PAC0DPAI
 Cycle 3 Name: PAC8DPAI
 Cycle 2 Name: PAC6DPAI
 Cycle 1 Name: PAC4DPAI (formerly DVPAID94)

Based on PACnDEE. (Source: PACn_1A to PACn_1X, PACn_2A to PACn_2X and PACn_3A to PACn_3X).

Energy expenditure values used to categorize individuals were the same as those used in the Ontario Health Survey (OHS) and in the Campbell's Survey on Well-Being.

Internet Site: *Cambell Survey on Well-Being in Canada* : www.cflri.ca/cflri/pa/surveys/88survey.html

Value of PACnDPAI	Description	Condition
1	Active	PACnDEE>=3.0 and <996. This is approximately the amount of exercise that is required for cardiovascular health benefits.
2	Moderate	PACnDEE>=1.5 and <3.0. They might experience some health benefits but little cardiovascular benefit.
3	Inactive	PACnDEE>=0 and <1.5
6	Not applicable	PACnDEE=996
9	Not stated	PACnDEE=999

PY - PSYCHOLOGICAL RESOURCES**20.1 Self-Esteem Scale**

Cycle 4 Name: PY_0DE1

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: PY_4DE1 (*formerly DVEST194*)

Based on sum of all items PY_n_E1A to PY_n_E1F.

Scores were reversed for questions PY_n_E1A, E1B, E1C, E1D and E1E.

MIN=0, MAX=24

The self-esteem index reflects the amount of positive feelings an individual holds about his/herself. Scores on the index are based on a subset of items from the self-esteem Rosenberg scale (1969). The six items have been factored into one dimension in the factor analysis done by Pearlin and Schooler (1978). Higher scores indicate greater self-esteem.

Scale based on : Rosenberg, Morris, *Conceiving the self*, Appendix A, 1979, 291-295

Respondents' answers are based on a 5-point scale:

Value of PY_nDE1	Description	Condition
0-24	Index value	Sum of Responses for PY_n_E1A to PY_n_E1F. Responses were converted to a scale of 0 to 4.
96	Not applicable	PY_n_E1A=6
99	Not stated	Any of PY_n_E1A to PY_n_E1F is 7, 8 or 9

20.2 Mastery Scale

Cycle 4 Name: PY_0DM1

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: PY_4DM1 (*formerly DVMAS194*)

Based on sum of all items PY_n_M1A to PY_n_M1G.

MIN=0, MAX=28

The index which measures sense of mastery is based on the work of Pearlin and Schooler (1978). It measures the extent to which individuals believe that their life-chances are under their control. Higher scores indicate superior mastery.

Respondents' answers are based on a 5-point scale: (Scores were reversed for items F and G).

Value of PY_nDM1	Description	Condition
0-28	Index value	Sum of Responses for PY_n_M1A to PY_n_M1G
96	Not applicable	PY_n_M1A=6
99	Not stated	Any of PY_n_M1A to PY_n_M1G is 7, 8 or 9

Source: *Perlin, LI and Schooler, C, Journal of health and Social Behavior, The Structure of Coping, 1981, vol 19, p. 2-21. Electronic version available on the site : www.jstor.org/*

20.3 Sense of Coherence Scale

Cycle 4 Name: N/A
 Cycle 3 Name: PY_8DH1
 Cycle 2 Name: N/A
 Cycle 1 Name: PY_4DH1 (formerly DVSCI94)

Based on sum of PY_n_H1 to PY_n_H13.

MIN=0 , MAX=78

The 13-item version of the sense of coherence scale developed by Antonovsky was used in the NPHS. It denotes the extent to which individuals perceive events as comprehensible, manageable and meaningful. The concept of manageability is addressed in questions Q3, Q4, Q8 and Q10. Items Q1, Q9, Q11 and Q13 measure meaningfulness and items Q2, Q5, Q6, Q7, Q12 are related to the comprehensibility dimension. Higher scores indicate a stronger sense of coherence.

Score was reversed for questions PY_n_H1, H2, H3, H8 and H13.

Source: *Antonovsky, Morris, Unraveling the Mystery of Health : How people Manage Stress and Stay Well, 1987, Appendix, p. 189 – 194*

RA - RESTRICTION OF ACTIVITIES**21.1 Restriction of Activity Flag**

Cycle 4 Name: RAC0F1
 Cycle 3 Name: RAC8F1
 Cycle 2 Name: RAC6F1
 Cycle 1 Name: RAC4F1 (*formerly RES_FLG*)

Based on RAC_n_1A to RAC_n_1D and RAC_n_2.

Note: In the calculation of Cycle 1 (1994) Restriction of Activity Flag, the category "No" *included* "Don't Know" and "Refusal" but in Cycle 2 (1996) and beyond, the category "No" was *only* responses of "No".

Value of RAC _n F1	Description	Condition
1	Yes	Any of RAC _n _1A to 1D=1 or RAC _n _2=1
2	No	(RAC _n _1A=2) & (RAC _n _1B=2 or RAC _n _1B=3 or RAC _n _1B=6) & (RAC _n _1C=2 or RAC _n _1C=3 or RAC _n _1C=6) & RAC _n _1D=2 & RAC _n _2=2
9	Not stated	RAC _n _1A to 1D=7, 8 or 9 & RAC _n _2=7, 8 or 9

21.2 Main Health Problem – 25 Groups

Cycle 4 Name: RAC0GC25
 Cycle 3 Name: RAC8GC25
 Cycle 2 Name: RAC6GC25
 Cycle 1 Name: RAC4GC25 (*formerly DVRST94*)

Based on RAC_nCIC (The International Classification of Diseases, 9th Version (ICD-9)). *See Appendix A.*

21.3 Main Health Problem – 12 Groups

Cycle 4 Name: RAC0GC12
 Cycle 3 Name: RAC8GC12
 Cycle 2 Name: RAC6GC12
 Cycle 1 Name: RAC4GC12 (*formerly DVRSTC94*)

Based on RAC_nGC25. (Source: RAC_nCIC).

Value of RAC _n GC12	Description	Condition
1	Diseases of nervous system and senses	RAC _n GC25=1, 2, 3, 4, 5
2	Ischemic heart disease	RAC _n GC25=7
3	Other heart conditions	RAC _n GC25=6, 8
4	Other circulatory diseases	RAC _n GC25=9
5	Diseases of respiratory and digestive system	RAC _n GC25=10, 11, 12, 13
6	Arthritis – limbs	RAC _n GC25=15, 16
7	Arthritis – back and spine	RAC _n GC25=17
8	Arthritis – other & unspecified	RAC _n GC25=18
9	Diseases of the MSCT - limbs	RAC _n GC25=19, 20
10	Diseases of the MSCT - back	RAC _n GC25=21
11	Diseases of the MSCT - other	RAC _n GC25=22
12	Other	RAC _n GC25=23, 24, 25, 14
96	Not applicable	RAC _n GC25=96
99	Not stated	RAC _n GC25=99

21.4 Need for Help in Series of Tasks

Cycle 4 Name: RAC0F6

Cycle 3 Name: RAC8F6

Cycle 2 Name: RAC6F6

Cycle 1 Name: N/A

Based on RACn_6A to RACn_6F. (Formerly RACnD6G – renamed in Cycle 4).

Indicates if the respondent needs help to accomplish a series of tasks.

Value of RACnF6	Description	Condition
1	Yes	Any value of RACn_6A to RACn_6F=1
2	No	All value of RACn_6A to RACn_6F=2 or (RACn_6A=6 and RACn_6E=2 and RACn_6F=2)
6	Not applicable	All value of RACn_6A to RACn_6F=6 (Questions not asked because of age skip)
9	Not stated	Otherwise

RESTRICTION OF ACTIVITY VARIABLES DROPPED IN CYCLE 4:**1. Cause of Health Problem – Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: RAC8G5

Cycle 2 Name: RAC6G5

Cycle 1 Name: N/A

Reason: Grouped Variable (PUMF only)**2. Need for Help in Series of Tasks**

Cycle 4 Name: N/A

Cycle 3 Name: RAC8D6G

Cycle 2 Name: RAC6D6G

Cycle 1 Name: N/A

Reason: Renamed to RACnF6 in Cycle 4 (See 21.4)**3. Main Health Problem – 7 Groups**

Cycle 4 Name: N/A

Cycle 3 Name: RAC8GC7

Cycle 2 Name: RAC6GC7

Cycle 1 Name: N/A

Reason: Grouped Variable (PUMF only)

SC - SELF CARE**22.1 Attitude Toward Self Care**

Cycle 4 Name: N/A

Cycle 3 Name: SC_8DFCT

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Based on SC_n_12 to SC_n_16.

MIN: 0 - indicates a preference to rely on the doctor

MAX: 20 - indicates a preference for self-care

Persons aged less than 18 and persons in institutions are not asked these questions, and the DV is set to "Not applicable".

Respondents were asked to agree or disagree with each item in a 5-point response with 1 being "strongly agree" and 5 being "strongly disagree". The values were then recoded in the 0-4 range to calculate scale scores. 0 indicates a preference to rely on the doctor and 4 indicates a preference on self-care. Items SC_n_12 and SC_n_15 were reversed in order to calculate a score.

SD - SOCIO-DEMOGRAPHIC**23.1 Country of Birth - Coded**

Longitudinal Name: COBC

Based on COB (country of birth). This variable is conceptually the same as SDC6CB in Cycle 2 (1996), and SDC8CB in Cycle 3 (1998).

This derived variable is coded automatically from COB and "Other specify" write-in answers using the 1996 Reference file for Place of Birth by alphabetic and numeric order from the Census.

On the longitudinal file, country of birth appears only once on the file under the variable name COBC, instead of once for each cycle. In every cycle, country of birth reflects updated information (e.g., in Cycle 2, the question was re-asked if the answer in Cycle 1 was a non-response such as "Don't Know"). In addition, the responses are re-coded to the latest code set as provided by Census.

23.2 Country of Birth - Grouped

Longitudinal Name: COBGC

Based on COBC. This variable is conceptually the same as SDC6GCB in Cycle 2 (1996), and SDC8GCB in Cycle 3 (1998).

Value of COBGC	Description	Condition
1	Canada	COBC>0 and <14
2	Other North America	(COBC>=100 and <200) or (COBC=206)
3	South, Central America and Caribbean	(COBC>200 and <206) or (COBC>206 and <500)
4	Europe	COBC>=500 and <600
5	Africa	COBC>=600 and <700
6	Asia	COBC>=700 and <800
7	Oceania	COBC>=800 and <900
96	Not applicable	COBC=9996
99	Not stated	COBC=9997, 9998, 9999

On the longitudinal file, the grouped country of birth appears only once on the file under the variable name COBGC, instead of once for each cycle. In every cycle, grouped country of birth reflects updated information (e.g., in Cycle 2, the question was re-asked if the answer in Cycle 1 was a non-response such as "Don't Know"). In addition, the responses are re-coded to the latest grouping as provided by Census.

23.3 **Age at Time of Immigration**

Longitudinal Name: AOI

Source: General Social Survey - Health, Cycle 6 (1991)**Statistics Canada's Web Site:** <http://dissemination.statcan.ca/english/sdds/3894.htm>

Based on DHC4_AGE, YOB and YOI. This variable is conceptually the same as SDC4DAIM in Cycle 1 (1994), SDC6DAIM in Cycle 2 (1996), and SDC8DAIM in Cycle 3 (1998).

Value of AOI	Description	Condition
0-135	Age at immigration	If YOI<9995 then AOI=YOI-YOB
996	Not applicable	YOI=9995 or YOI=9996
999	Not stated	YOI=9997, 9998 or 9999

On the longitudinal file, age at immigration appears only once on the file under the variable name AOI, instead of once for each cycle. AOI is based on YOI, YOB and DHC4_AGE. In every cycle, age at immigration reflects updated information (e.g., in Cycle 2, the question was re-asked if the answer in Cycle 1 was a non-response such as "Don't Know"). In addition, the responses are re-derived if the year of birth is updated from the latest data collection.

23.4 **Immigration Flag**

Longitudinal Name: IMM

Based on SDCn_3. This variable is conceptually the same as SDC4FIMM in Cycle 1 (1994), SDC6FIMM in Cycle 2 (1996), and SDC8FIMM in Cycle 3 (1998).

Value of IMM	Description	Condition
1	Yes	SDCn_3<9995
2	No	SDCn_3=9995 or SDCn_3=9996
9	Not stated	SDCn_3=9997 or 9998 or 9999

On the longitudinal file, the immigration flag appears only once on the file under the variable name IMM, instead of once for each cycle. In every cycle, the immigration flag reflects updated information (e.g., in Cycle 2, the question was re-asked if the answer in Cycle 1 was a non-response such as "Don't Know").

23.5 **Language(s) Respondent Can Conduct Conversation In**

Cycle 4 Name: SDC0DLNG

Cycle 3 Name: SDC8DLNG

Cycle 2 Name: SDC6DLNG

Cycle 1 Name: SDC4DLNG (formerly DVLANG94)

Based on SDCn_5A to SDCn_5S.

Value of SDCnDLNG	Description	Condition
1	English only	SDCn_5A=1
2	French only	SDCn_5B=1
3	English & french only	SDCn_5A=1 & SDCn_5B=1
4	English & french & other	SDCn_5A=1 & SDCn_5B=1 & any SDCn_5C to SDCn_5S=1
5	English & other (not french)	SDCn_5A=1 & SDCn_5B ne 1 and any SDCn_5C to SDCn_5S=1
6	French & other (not english)	SDCn_5B=1 & SDCn_5A ne 1 and SDCn_5A to SDCn_5S=1
7	Neither english nor french (other)	Any SDCn_5C to SDCn_5S=1 and SDCn_5A & SDCn_5B ne 1
96	Not applicable	SDCn_5A=6
99	Not stated	SDCn_5A>6

23.6 **Race or Colour**

Cycle 4 Name: SDC0DRAC

Cycle 3 Name: SDC8DRAC

Cycle 2 Name: SDC6DRAC *(new categories)

Cycle 1 Name: SDC4DRAC (formerly DVRACE94).

Based on SDCn_7A to SDCn_7L.

SDC4DRAC definitions are different from SDC6DRAC, SDC8DRAC and SDC0DRAC. Specifically, categories 10, 11 and 12 differ due to a change in categories introduced in 1996.

Value of SDCnDRAC	Description	Condition
1	White	SDCn_7A=1
2	Black	SDCn_7D=1
3	Korean	SDCn_7K=1
4	Filipino	SDCn_7G=1
5	Japanese	SDCn_7J=1
6	Chinese	SDCn_7B=1
7	Native/Aboriginal People of N. America	SDCn_7E=1
8	South Asian	SDCn_7C=1
9	South East Asian	SDCn_7H=1
10	Arab or West Asian	SDCn_7F=1
11	Latin American	SDCn_7I=1
12	Multiple race	More than one category answered
96	Not applicable	SDCn_7A=6
99	Not stated	SDCn_7L=1 only or SDCn_7A=7,8 or 9

23.7 Length of Time in Canada Since Immigration

Cycle 4 Name: SDC0DRES
 Cycle 3 Name: SDC8DRES
 Cycle 2 Name: SDC6DRES
 Cycle 1 Name: SDC4DRES

Based on DHCn_AGE, AM6n_BYI and YOI.

Value of SDCnDRES	Description	Condition
1-135	Years in Canada	SDCnDRES=AM6n_BYI – YOI or If SDCnDRES>DHCn_AGE then SDCnDRES=DHCn_AGE
996	Not applicable (Born in Canada)	YOI=9995 or YOI=9996
999	Not stated	YOI=9997 or 9998 or 9999

SOCIO-DEMOGRAPHIC VARIABLES DROPPED IN CYCLE 4:**1. Age At Time of Immigration**

Cycle 4 Name: N/A
 Cycle 3 Name: SDC8DAIM
 Cycle 2 Name: SDC6DAIM
 Cycle 1 Name: SDC4DAIM (formerly DVAGIM94)
Reason: Replaced by Longitudinal Variable – AOI

2. Flag Indicating that the Respondent is an Immigrant

Cycle 4 Name: N/A
 Cycle 3 Name: SDC8FIMM
 Cycle 2 Name: SDC6FIMM
 Cycle 1 Name: SDC4FIMM
Reason: Replaced by Longitudinal Variable – IMM

3. Country of Birth – 7 Groups

Cycle 4 Name: N/A
 Cycle 3 Name: N/A
 Cycle 2 Name: N/A
 Cycle 1 Name: SDC4GCB7 (formerly DVBORN94)
Reason: Grouped Variable (PUMF only)

4. Country of Birth – 4 Groups

Cycle 4 Name: N/A
 Cycle 3 Name: SDC8GCB4
 Cycle 2 Name: N/A
 Cycle 1 Name: N/A
Reason: Grouped Variable (PUMF only)

5. Code of Country of Birth

Cycle 4 Name: N/A
 Cycle 3 Name: SDC8CB
 Cycle 2 Name: SDC6CB
 Cycle 1 Name: N/A
Reason: Replaced by Longitudinal Variable – COBC

6. Country of Birth - Grouped

Cycle 4 Name: N/A

Cycle 3 Name: SDC8GCB

Cycle 2 Name: SDC6GCB

Cycle 1 Name: N/A

Reason: Replaced by Longitudinal Variable – COBGC**7. Race or Colour - Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: SDC8GRAC

Cycle 2 Name: SDC6GRAC

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**8. Language in Which Respondent Can Converse - Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: N/A

Cycle 2 Name: SDC6GLG4

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**9. Language Respondent Can Conduct a Conversation - Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: SDC8GLNG

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**10. Length of Time in Canada Since Immigration - Grouped**

Cycle 4 Name: N/A

Cycle 3 Name: SDC8GRES

Cycle 2 Name: SDC6GRES

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

SH - SEXUAL HEALTH**24.1 Sexually Transmitted Disease (STD)**

Cycle 4 Name: N/A

Cycle 3 Name: N/A

Cycle 2 Name: SHS6D1

Cycle 1 Name: N/A

Based on DHCn_SEX and SHSn_8 to SHSn_16.

Value of SHSnD1	Description	Condition
1	Had sexually transmitted disease	Any "1" in SHSn_8 to SHSn_16
2	Did not have sexually transmitted disease	DHCn_SEX=1 and "2" in SHSn_8 to SHSn_14; or DHCn_SEX=2 and "2" in SHSn_8 to SHSn_16
6	Not applicable	SHSn_8=6
9	Not stated	SHSn_8>6

SEXUAL HEALTH VARIABLES DROPPED IN CYCLE 4:**1. Age At First Sexual Intercourse**

Cycle 4 Name: N/A

Cycle 3 Name: N/A

Cycle 2 Name: SHS6G2

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)

SM - SMOKING**25.1 Type of Smoker**

Cycle 4 Name: SMC0DTYP

Cycle 3 Name: SMC8DTYP

Cycle 2 Name: SMC6DTYP

Cycle 1 Name: SMC4DTYP (formerly DVSMKT94)

Based on SMCn_2, SMCn_4A and SMCn_5.

Value of SMCnDTYP	Description	Condition
1	Daily smoker	SMCn_2=1
2	Occasional smoker but former daily smoker	SMCn_2=2 & SMCn_5=1
3	Always an occasional smoker	SMCn_2=2 & SMCn_5=2
4	Former daily smoker	SMCn_2=3 & SMCn_4A=1 & SMCn_5=1
5	Former occasional smoker	SMCn_2=3 & SMCn_4A=1 & SMCn_5=2
6	Never smoked	SMCn_2=3 & SMCn_4A=2
96	Not applicable	SMCn_2=6
99	Not stated	SMCn_2>6

25.2 Number of Years Smoked

Cycle 4 Name: SMC0DYRS

Cycle 3 Name: SMC8DYRS

Cycle 2 Name: SMC6DYRS

Cycle 1 Name: SMC4DYRS (formerly DVSMKY94)

Source: General Social Survey - Health, Cycle 6 (1991)**Statistics Canada's Web Site:** <http://dissemination.statcan.ca/english/sdds/3894.htm>

Based on SMCn_3, SMCn_6 and SMCn_8.

Value of SMCnDYRS	Description	Condition
0-135	Number of years smoked - daily smokers or former daily smokers only	If SMCnDTYP=1 then SMCnDYRS equals DHCn_AGE – SMCn_3; If SMCnDTYP=2 or 4 then SMCnDYRS equals SMCn_8 – SMCn_6;
996	Not applicable	SMCnDTYP=3 or 5 or 6 or 96
999	Not stated	Otherwise

For cycle 4, two new skip patterns have been added.

1- Current daily smokers who were also previous daily smokers are no longer asked the age they began to smoke cigarettes daily (data previously collected) - SM_C103

2- Previous daily smokers are no longer asked if they have ever smoked cigarettes daily (data previously collected) - SM_C105D

SMOKING VARIABLES DROPPED IN CYCLE 4:**1. Age Started Daily Smoking – Daily Smoker**

Cycle 4 Name: N/A

Cycle 3 Name: SMC8G3

Cycle 2 Name: SMC6G3

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**2. Age Started Daily Smoking – Former Daily Smoker**

Cycle 4 Name: N/A

Cycle 3 Name: SMC8G6

Cycle 2 Name: SMC6G6

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**3. Age Stopped Smoking – Former Daily Smoker**

Cycle 4 Name: N/A

Cycle 3 Name: SMC8G8

Cycle 2 Name: SMC6G8

Cycle 1 Name: N/A

Reason: Grouped variable (PUMF only)**4. Use Of Tobacco Products**

Cycle 4 Name: N/A

Cycle 3 Name: TAS8D1

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Reason: Derived variable (PUMF only)

SS - SOCIAL SUPPORT**26.1 Perceived Social Support Index**

Cycle 4 Name: N/A

Cycle 3 Name: N/A (Social support questions revised in Cycle 3)

Cycle 2 Name: SSC6D1

Cycle 1 Name: SSC4D1 (formerly DVSSI194)

Source: *Beaudet, Marie and Dr. Leroy Stone (Statistics Canada)*

E-mail : Beaumar@statcan.ca; Stoneler@statcan.ca.

Based on sum of all true responses from questions SSCn_3 to SSCn_6.

The perceived social support index is composed of four items that reflect whether respondents feel that they have someone they can confide in, someone they can count on, someone who can give them advice and someone who makes them feel loved. A higher score indicates greater perceived social support.

26.2 Social Involvement Dimension

Cycle 4 Name: N/A

Cycle 3 Name: N/A (Social support questions revised in Cycle 3)

Cycle 2 Name: SSC6D2

Cycle 1 Name: SSC4D2 (formerly DVSSI294)

Source: *Beaudet, Marie and Dr. Leroy Stone (Statistics Canada)*

E-mail : Beaumar@statcan.ca; Stoneler@statcan.ca.

Based on sum of valid answers of SSCn_2 and SSCn_2A

The social involvement dimension is measured by two items that reflect the frequency of participation in associations or voluntary organizations and the frequency of attendance at religious services in the last year. Higher score indicates greater social involvement.

26.3 Average Frequency of Contact Index

Cycle 4 Name: N/A

Cycle 3 Name: N/A (Social support questions revised in Cycle 3)

Cycle 2 Name: SSC6D3

Cycle 1 Name: SSC4D3 (formerly DVSSI394)

Source: *Beaudet, Marie and Dr. Leroy Stone (Statistics Canada)*

E-mail : Beaumar@statcan.ca; Stoneler@statcan.ca.

Based on SSCn_7A to SSCn_7H.

The average frequency of contact index measures the average number of contacts in the past 12 months with family members and friends who are not part of the household and with neighbours. A higher number indicates more contacts.

$SSCnD3 = \text{CONTACT} / \text{NETSIZE}$

CONTACT is an approximate value indicating the number of contacts for all categories (SSCn_7A to SSCn_7H).

NETSIZE is a combined value indicating the existence of possible persons to be contacted (sum of flags indicating "Yes" to parents, "Yes" to grandparents, etc.).

26.4 Tangible Social Support - MOS (Medical Outcomes Study) Subscale

Cycle 4 Name: SSC0DTNG

Cycle 3 Name: SSC8DTNG

Cycle 2 Name: N/A (Social support questions were revised in Cycle 3)

Cycle 1 Name: N/A

Based on SSCn_102, SSCn_105, SSCn_112 and SSCn_115.

MIN=0, MAX=16

Children under 12 and persons in institutions are not asked these questions, and the DV is set to "Not applicable".

To calculate the score, the response categories of each of the questions in the subscale were recoded to the 0-4 range (where 0 refers to "None of the time" and a 4 refers to "All of the time").

Sherbourne, C.D. and A.L. Stewart, "The Mos Support survey" (Medical Outcomes Study Social Support Survey), Social Sciences & Medicine; 32 : 705 - 714

26.5 Affection - MOS (Medical Outcomes Study) Subscale

Cycle 4 Name: SSC0DAFF

Cycle 3 Name: SSC8DAFF

Cycle 2 Name: N/A (Social support questions were revised in Cycle 3)

Cycle 1 Name: N/A

Based on SSCn_106, SSCn_110 and SSCn_120.

MIN=0, MAX=12

Children under 12 and persons in institutions are not asked these questions, and the DV is set to "Not applicable".

To calculate the score, the response categories of each of the questions in the subscale were recoded to the 0-4 range (where 0 refers to "None of the time" and a 4 refers to "All of the time").

Sherbourne, C.D. and A.L. Stewart, "The Mos Support survey" (Medical Outcomes Study Social Support Survey), Social Sciences & Medicine; 32 : 705 - 714

26.6 Positive Social Interaction - MOS (Medical Outcomes Study) Subscale

Cycle 4 Name: SSC0DSOC

Cycle 3 Name: SSC8DSOC

Cycle 2 Name: N/A (Social support questions were revised in Cycle 3)

Cycle 1 Name: N/A

Based on SSCn_107, SSCn_111, SSCn_114 and SSCn_118.

MIN=0, MAX=16

Children under 12 and persons in institutions are not asked these questions, and the DV is set to "Not applicable".

To calculate the score, the response categories of each of the questions in the subscale were recoded to the 0-4 range (where 0 refers to "None of the time" and a 4 refers to "All of the time").

Sherbourne, C.D. and A.L. Stewart, "The Mos Support survey" (Medical Outcomes Study Social Support Survey), Social Sciences & Medicine; 32 : 705 - 714

26.7 Emotional or Informational Support - MOS (Medical Outcomes Study) Subscale

Cycle 4 Name: SSC0DEMO

Cycle 3 Name: SSC8DEMO

Cycle 2 Name: N/A (Social support questions were revised in Cycle 3)

Cycle 1 Name: N/A

Based on SSCn_103, SSCn_104, SSCn_108, SSCn_109, SSCn_113, SSCn_116, SSCn_117 and SSCn_119.

MIN=0, MAX=32

Children under 12 and persons in institutions are not asked these questions, and the DV is set to "Not applicable".

To calculate the score, the answers of each of the items in the subscale were recoded to the 0-4 range (where 0 refers to "None of the time" and a 4 refers to "All of the time").

Sherbourne, C.D. and A.L. Stewart, "The Mos Support survey" (Medical Outcomes Study Social Support Survey), Social Sciences & Medicine; 32 : 705 - 714

ST - STRESS

The following variables have been produced for Cycle 1 and Cycle 4 using an alternative method from the one used originally with Cycle 1 data. This alternative method of calculation was proposed by Blair Wheaton from the University of Toronto (www.utoronto.ca/) with respect to chronic stress variables in order to allow for a number of missing values.

With the original method of calculation of stress variables in Cycle 1, stress indices were equal to the sum of "True" answers. The index was not calculated whenever there was a "Refusal" or a "Not stated" answer although "Don't Know" answers were "allowed" and considered "False" answers. With the alternative method presented below, the stress indices have been calculated using the mean of "True" answers adjusted by the number of questions to answer.

DV=Mean * Total number of questions asked

Mean=sum of "True" answers / (number of "True" + "False" answers to questions asked)

This method is similar to using the sum of all "True" answers (as with original Cycle 1 variables) except when there are some missing values ("Don't know", "Refusal" or "Not stated"). "Don't know" answers are treated as missing values. After consultations with Margot Shields, analyst at Statistics Canada, it was decided that up to a maximum of 25% of "Don't know" (value 7), "Refusal" (8) or "Not stated" (9) answers should be allowed in order to compute the index.

Chronic Stress

The following table summarises the questions used in the calculation of the derived variables on Chronic Stress. Different sets of questions were asked depending upon a respondent's family situation. Higher scores indicate more stress.

PARTNERED¹		ALONE²		OTHER³	
ST_n_C1		ST_n_C1		ST_n_C1	
ST_n_C2		ST_n_C2		ST_n_C2	
ST_n_C3		ST_n_C3		ST_n_C3	
ST_n_C4		ST_n_C4		ST_n_C4	
ST_n_C5					
ST_n_C6					
ST_n_C7					
		ST_n_C8			
KID YES	KID NO	KID YES	KID NO	KID YES	KID NO
ST_n_C10		ST_n_C10		ST_n_C10	
ST_n_C11		ST_n_C11		ST_n_C11	
ST_n_C12		ST_n_C12		ST_n_C12	
ST_n_C13		ST_n_C13		ST_n_C13	
ST_n_C14		ST_n_C14		ST_n_C14	
ST_n_C15		ST_n_C15		ST_n_C15	
ST_n_C16		ST_n_C16		ST_n_C16	
ST_n_C17		ST_n_C17		ST_n_C17	
ST_n_C18		ST_n_C18		ST_n_C18	

¹ "Partnered" in STRESS section refers to a marital status of "married", "living common-law" or (for Cycle 1 only) "living with a partner".

² "Alone" in STRESS section refers to a marital status of "single", "widowed", "separated" or "divorced".

³ "Other" in STRESS section refers to a marital status of "Not applicable", "Don't know", "Refusal" or "Not stated".

27.1 **General Chronic Stress Index**

Cycle 4 Name: ST_0DC1

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DC1 (formerly DVCSI194)

Based on ST_n_C1 to C4 and ST_n_C12 to C18.

This general stress index is composed of questions that are relevant to all respondents, whatever their personal situation ("Partnered/Alone", children/no children). The stressors include activity overload, financial difficulties and problems with relationships in day-to-day encounters.

Calculation:

$$ST_nDC1 = \text{Mean1} * 11 \text{ (total number of questions ST_nC1 to C4 and C12 to C18)}$$

$$\text{Mean1} = (\text{sum of "True" answers to C1-C4 and to C12-C18}) / (\text{number of "True" + "False" answers for C1-C4 and C12-C18}).$$

For this scale, the maximum number of missing values ("Don't know", "Refusal" or "Not stated") "allowed" to compute the index is **2** (25% of missing values out of 11 questions to answer).

Example:

Q1=True

Q2=False

Q3=False

Q4=True

Q12=Refusal

Q13=N/S

Q14 - Q18=True

Index = $7 / 9 * 11 = 8.56$

MIN=0, MAX=11

Value of ST_nDC1	Description	Condition
0.0-11.0	Index value	Refer to calculation of derived variable above.
99.6	Not applicable	ST_n_C1=6
99.9	Not stated	More than two questions from ST_n_C1 to C4 and from ST_n_C12 to C18 are equal to 7, 8 or 9

27.2 **Specific Chronic Stress Index**

Cycle 4 Name: ST_0DC2

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DC2 (formerly DVCSI294)

Based on ST_n_C1 to C8 and ST_n_C10 to C18.

This index measures the total number of stressors respondents were exposed to. The range of the final score (as well as the number of questions) varies as a function of the respondents' personal situation. For example, for partnered persons (i.e., married or living common-law or, for Cycle 1 only, living with a partner), questions about relationship with partner are included. For persons not partnered (i.e., single, widowed, separated or divorced), the index contains a question on the difficulty of finding someone compatible. For persons who have children, questions about children become part of the index.

Calculation:

$$ST_nDC2 = \text{Mean2} * \text{total number of questions to answer for } ST_n_C1 \text{ to } C8 \text{ and } C10 \text{ to } C18.$$

$$\text{Mean2} = \text{sum of "True" answers} / \text{number of "True" + "False" answers to } C1-C8 \text{ and to } C10-C18.$$

For this scale, the maximum number of missing values "allowed" (25% of "Don't know", "Refusal" or "Not stated") varies depending on the family situation. The following table summarises the minimum and maximum scores as well as the number of missing values allowed based on the family situation.

Value of ST_nDC2	Description	Condition	Max. number of missing values "allowed" for index calculation (25%)
0.0-16.0	Index value	"Partnered" with children. Refer to calculation of derived variable above.	4
0.0-14.0	Index value	"Alone" with children OR "partnered" and no children. Refer to calculation of derived variable above.	3
0.0-13.0	Index value	"Other" with children. Refer to calculation of derived variable above.	3
0.0-12.0	Index value	"Alone" and no children. Refer to calculation of derived variable above.	3
0.0-11.0	Index value	"Other" and no children. Refer to calculation of derived variable above.	2
99.6	Not applicable	ST_n_C1=6	
99.9	Not stated	Number of missing values greater than 25% of total number of questions.	

Note: Maximum score equals total number of questions to answer.

27.3 Adjusted Specific Chronic Stress Index

Cycle 4 Name: ST_0DC3

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DC3 (formerly DVCSI394)

Based on ST_nDC2. (Source: ST_n_C1 to ST_n_C8 and ST_n_C10 to ST_n_C18).

In this third index, the range of scores of the second index ST_nDC2 is adjusted as if all the questions (16 of them including those for cases of "Partnered" with children) were relevant to each respondent.

$ST_nDC3 = (ST_nDC2 * 16) / \text{number of questions to answer (varies according to family situation)}$, where 16 represents the maximum number of questions that a person may answer (case of "Partnered" with children). For example, "Alone" with children: $(ST_nDC2 * 16) / 14$.

Chronic Stress Dimension Scores

A number of sub-scores were derived to reflect the number of stressors respondents were exposed to in certain domains of their lives. These are based on a subset of questions included in the Chronic Stress section of the questionnaire and their name reflects the dimension which is measured. Again, up to 25% of missing values (DK, R and NS) were allowed to calculate the stress index.

27.4 Personal Stress Index

Cycle 4 Name: ST_0DC4

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DC4 (formerly DVCSI494)

Based on ST_n_C1 to ST_n_C3, ST_n_C12 and ST_n_C18.

Calculation:

$ST_nDC4 = \text{Mean4} * 5$ (total number of questions to answer for ST_n_C1 to C3, C12 and C18).
 $\text{Mean4} = \text{sum of "True" answers} / \text{number of "True" + "False" answers to C1-C3, C12 and C18}$.

For this scale, the maximum number of missing values ("Don't know", "Refusal" or "Not stated") "allowed" to compute the index is 1 (25% of missing values out of 5 questions to answer).

MIN=0, MAX=5

Value of ST_nDC4	Description	Condition
0.0-5.0	Index value	Sum of "true" responses in ST_n_C1 to C3, ST_n_C12 and ST_n_C18
9.6	Not applicable	ST_n_C1=6
9.9	Not stated	More than one question equal to 7, 8 or 9

27.5 Financial Problems Stress Index

Cycle 4 Name: ST_0DC5

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DC5 (formerly DVCSI594)

Based on ST_n_C4.

No missing values are allowed in computing the index.

MIN=0, MAX=1

Value of ST_nDC5	Description	Condition
0-1	Index value	ST_n_C4=1 or 2, value 2 ("False") changed to 0
6	Not applicable	ST_n_C1=6
9	Not stated	ST_n_C4=7, 8 or 9

27.6 Relationship Problems (with partner) Stress Index

Cycle 4 Name: ST_0DC6

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DC6 (formerly DVCSI694)

Based on ST_n_C5 to ST_n_C7 and DHCn_MAR.

Calculation:

ST_nDC6=Mean6 * 3 (number of questions to answer ST_n_C5 to ST_n_C7)

Mean6=sum of "True" answers / number of "True" + "False" answers to ST_n_C5, ST_n_C6 and ST_n_C7.

No missing values are allowed in computing the index because the number of items composing the index is too small.

MIN=0, MAX=3

Value of ST_nDC6	Description	Condition
0-3	Index value	Only if "Partnered". Refer to calculation of derived variable above.
6	Not applicable	ST_n_C1=6 OR "Alone"
9	Not stated	ST_n_C5, ST_n_C6 OR ST_n_C7=7,8 or 9 OR "Other"

27.7 Relationship Problems (no partner) Stress Index

Cycle 4 Name: ST_0DC7

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DC7 (formerly DVCSI794)

Based on ST_n_C8 and DHCn_MAR.

No missing values are allowed in computing the index.

MIN=0, MAX=1

Value of ST_nDC7	Description	Condition
0-1	Index value	ST_n_C8=1 or 2 (value of 2 ("False") changed to 0) when "Alone"
6	Not applicable	ST_n_C1=6 OR "Partnered"
9	Not stated	ST_n_C8=7,8 or 9 OR "Other"

27.8 Child Problems Stress Index

Cycle 4 Name: ST_0DC8

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DC8 (formerly DVCSI894)

Based on ST_n_C9 to ST_n_C11 (when ST_n_C9=1 "has children").
Only if respondent has children.

Calculation:

$ST_nDC8 = \text{Mean8} * 2$ (number of questions to answer, ST_n_C10 and C11)
 $\text{Mean8} = \text{sum of "True" answers} / \text{number of "True" + "False" answers to ST_n_C10 and ST_n_C11}.$

No missing values are allowed in computing the index.

MIN=0, MAX=2

Value of ST_nDC8	Description	Condition
0-2	Index value	ST_n_C9=1 Refer to calculation of derived variable above.
6	Not applicable	ST_n_C1=6 OR ST_n_C9=2
9	Not stated	ST_n_C9 or ST_n_C10 or ST_n_C11=7,8 or 9

27.9 Environmental Problems Stress Index

Cycle 4 Name: ST_0DC9

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DC9 (formerly DVCSI994)

Based on ST_n_C13 to ST_n_C15.

Calculation:

$ST_nDC9 = \text{Mean9} * 3$ (number of questions to answer, ST_n_C13 to C15).
 $\text{Mean9} = \text{sum of "True" answers} / \text{number of "True" + "False" answers to ST_n_C13, ST_n_C14 and ST_n_C15}.$

No missing values are allowed in computing the index since the number of items that composes the index is too small.

MIN=0, MAX=3

Value of ST_nDC9	Description	Condition
0-3	Index value	Refer to calculation of derived variable above.
6	Not applicable	ST_n_C1=6
9	Not stated	ST_n_C13, ST_n_C14 or ST_n_C15 equal to 7, 8 or 9

27.10 Family Health Stress Index

Cycle 4 Name: ST_0DC10

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DC10 (*formerly DVCSI094*)

Based on ST_n_C16 and ST_n_C17.

Calculation:

ST_nDC10=Mean10 * 2 (number of questions to answer, ST_n_C16 and C17).

Mean10=sum of "True" answers / number of "True" + "False" answers to ST_n_C16 and ST_n_C17.

No missing values are allowed in computing the index since the number of items that composes the index is too small.

MIN=0, MAX=2

Value of ST_nDC10	Description	Condition
0-2	Index value	Refer to calculation of derived variable above.
6	Not applicable	ST_n_C1=6
9	Not stated	ST_n_C16 or ST_n_C17 equal to 7, 8 or 9

Recent Life Events

The three indices which measure recent life events are based on the number of negative events which the respondent or someone close to the respondent experienced in the last 12 months. Higher scores indicate numerous events. The analyses of McDowell, Boulet and Kristjansson guided the selection of the questions which were part of a pool used in studies conducted by Blair Wheaton.

27.11 Recent Life Events Score – All Items

Cycle 4 Name: ST_0DR1

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DR1 (*formerly DVRL194*)

Based on ST_n_R1 to ST_n_R7 and ST_n_R9.

This index is composed of items that are relevant to all respondents. The events include physical abuse, unwanted pregnancy, abortion or miscarriage, major financial difficulties, and serious problems at work or in school.

Calculation:

$ST_nDR1 = \text{MeanR1} * 8$ (number of questions ST_n_R1 to ST_n_R7 and ST_n_R9).

$\text{MeanR1} = \text{sum of "Yes" answers} / \text{number of "Yes" + "No" answers to } ST_n_R1\text{-}ST_n_R7 \text{ and } ST_n_R9$.

For this scale, the maximum number of missing values allowed in computing the index is **2** (25% of "Don't know", "Refusal" or "Not stated" out of 8 questions).

MIN=0, MAX=8

Value of ST_nDR1	Description	Condition
0.0-8.0	Index value	Refer to calculation of derived variable above.
99.6	Not applicable	$ST_n_R1=6$
99.9	Not stated	More than two questions among ST_n_R1 to $R7$ and ST_n_R9 are equal to 7, 8 or 9

27.12 Recent Life Events Score – All Valid Items

Cycle 4 Name: ST_0DR2

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DR2 (formerly $DVRLI294$)

Based on ST_n_R1 to ST_n_R10 .

This index takes into account the roles that individuals are in. For partnered persons (i.e., married or living common-law or, for Cycle 1 only, living with a partner), the index includes a question about relationship with partner. For persons who have children, the index includes a question about children moving back home.

Calculation:

$ST_nDR2 = \text{MeanR2} * \text{total number of questions to answer for } ST_n_R1 \text{ to } R10$.

$\text{MeanR2} = \text{sum of "Yes" answers} / \text{number of "Yes" + "No" answers to } R1\text{-}R10$.

For this scale, the maximum number of missing values "allowed" (25% of "Don't know", "Refusal" or "Not stated") is equal to **2** (out of 8, 9 or 10 questions, depending on the family situation). The following table shows the minimum and maximum scores as well as the questions and missing values allowed.

Value of ST_nDR2 ¹	Description	Condition	Max. number of missing values allowed	Questions to answer
0.0-10.0	Index value	"Partnered" with children. Refer to calculation of derived variable above.	2	ST_n_R1 to ST_n_R10
0.0-9.0	Index value	"Partnered" without children. Refer to calculation of derived variable above.	2	ST_n_R1 to ST_n_R9
0.0-9.0	Index value	"Alone" with children. Refer to calculation of derived variable above.	2	ST_n_R1 to ST_n_R7, R9, R10
0.0-8.0	Index value	"Alone" without children. Refer to calculation of derived variable above.	2	ST_n_R1 to R7, R9
99.6	Not applicable	ST_n_R1=6		
99.9	Not stated	More than two answers from R1 to R10 are equal to 7, 8 or 9		

¹ Maximum score equals total number of questions to answer.

27.13 Adjusted Recent Life Events Index

Cycle 4 Name: ST_0DR3

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DR3 (formerly DVRLI394)

Based on ST_nDR2. (Source: ST_n_R1 to ST_n_R10).

$ST_nDR3 = (ST_nDR2 * 10) / \text{number of questions to answer.}$

e.g., ST_nDR3 for "Alone" without children = $(ST_nDR2 * 10) / 8$

MIN=0, MAX=10

The range of scores of the second index ST_nDR2 is adjusted as if the ten questions were relevant to all the respondents.

Childhood and Adult Stressors

Higher scores indicates more stressors

27.14 Childhood and Adult Stress Index

Cycle 4 Name: ST_0DT1

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DT1 (formerly DVTRI194)

Based on ST_n_T1 to ST_n_T7.

This index measures the number of traumatic events respondents have been exposed to during their childhood, adolescence or adulthood. Events included are parental divorce, a lengthy hospital stay, prolonged parental unemployment, frequent parental alcohol or drug use. A higher score indicates more stressors. The analyses of McDowell, Boulet and Kristjansson guided the selection of the final set of items which were part of a pool used in studies conducted by Blair Wheaton.

Calculation:

$ST_nDT1 = \text{MeanT1} * 7$ (number of questions to answer).

$\text{MeanT1} = \text{Sum of "Yes" answers} / \text{Number of "Yes" + "No" answers to ST_n_T1-T7}.$

For this scale, a maximum of **one** missing value ("DK", "R" or "NS") is allowed in computing the index (25% of missing values out of 7 questions).

MIN=0, MAX=7

Value of ST_nDT1	Description	Condition
0.0-7.0	Index value	Refer to calculation of derived variable above.
99.6	Not applicable	ST_n_T1=6
99.9	Not stated	More than one answer from ST_n_T1 to T7 is equal to 7, 8 or 9

Work Stress

27.15 Work Stress – All Items

Cycle 4 Name: ST_0DW1

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DW1 (formerly DVWSI194)

Based on ST_n_W1A to ST_n_W1L.

Respondents 15 and over who were currently employed were asked to evaluate their work situation. The 12-item index, based on a larger pool of items from Karasek, reflects respondents' perceptions about various dimensions of their work including job security, social support, monotony, physical effort required and extent of participation in decision-making. Higher scores indicate greater work stress.

In Quarter 3 of Cycle 1 (1994) collection, not all eligible working people were asked the work stress questions in the French interview. This may result in some bias. Users should control for language when analyzing these questions.

Respondents' answers are based on a 5-point scale: (Score was reversed for question items D, E, H and J).

Calculation:

$ST_nDW1 = \text{Mean}W1 * 12$ (number of questions to answer).

$\text{Mean}W1 = \text{sum of valid answers} / \text{number of valid answers}$ (where valid answers are 0, 1, 2, 3 or 4).

Up to 25% of missing values ("DK", "R" or "N/S") are allowed in computing the index. This means that up to 3 missing values are allowed for ST_nDW1 (25% of 12).

MIN=0, MAX=48

Value of ST_nDW1	Description	Condition
0.0-48.0	Index value	Sum of responses for ST_n_W1A to ST_n_W1L
99.6	Not applicable	$ST_n_W1A=6$
99.9	Not stated	More than 3 questions from ST_n_W1A to $W1L$ are equal to 7, 8 or 9

Work Stress Dimension Scores

The work stress items were subdivided into six dimensions. As it is the case for the overall index, answers to the items indicate respondents' perceptions about various dimensions of their work. The name of each sub-scale reflects the dimension which is measured.

27.16 Decision Latitude – Skill Discretion

Cycle 4 Name: ST_0DW2

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DW2 (formerly $DVWSI294$)

Based on ST_n_W1A , ST_n_W1B and ST_n_W1D .

In Quarter 3 of Cycle 1 (1994) collection, not all eligible working people were asked the work stress questions in the French interview. This may result in some bias. Users should control for language when analyzing these questions.

Calculation:

$ST_nDW2 = \text{Mean}W2 * 3$ (number of questions to answer).

$\text{Mean}W2 = \text{sum of valid answers} / \text{number of valid answers}$ (where valid answers are 0, 1, 2, 3 or 4).

No missing values are allowed in computing the index because of the small number of items that compose the index.

MIN=0, MAX=12

Value of ST_nDW2	Description	Condition
0-12	Index value	Refer to calculation of derived variable above.
96	Not applicable	ST_n_W1=6 or ST_n_W1A=6
99	Not stated	Any answer to question ST_n_W1A, W1B or W1D equal to 7, 8 or 9

27.17 Decision Latitude – Decision Authority

Cycle 4 Name: ST_0DW3

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DW3 (formerly DVWSI394)

Based on ST_n_W1C and ST_n_W1I.

In Quarter 3 of Cycle 1 (1994) collection, not all eligible working people were asked the work stress questions in the French interview. This may result in some bias. Users should control for language when analyzing these questions.

Calculation:

$ST_nDW3 = \text{Mean}W3 * 2$ (number of questions to answer).

$\text{Mean}W3 = \text{sum of valid answers} / \text{number of valid answers}$ (where valid answers are 0, 1, 2, 3 or 4).

No missing values are allowed in computing the index because of the small number of items that compose the index.

MIN=0, MAX=8

Value of ST_nDW3	Description	Condition
0-8	Index value	Refer to calculation of derived variable above.
96	Not applicable	ST_n_W1=6 or ST_n_W1A=6
99	Not stated	Any answer to question ST_n_W1C or W1I equal to 7, 8 or 9

27.18 Psychological Demands

Cycle 4 Name: ST_0DW4

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DW4 (formerly DVWSI494)

Based on ST_n_W1E and ST_n_W1F.

In Quarter 3 of Cycle 1 (1994) collection, not all eligible working people were asked the work stress questions in the French interview. This may result in some bias. Users should control for language when analyzing these questions.

Calculation:

$ST_nDW4 = \text{Mean}W4 * 2$ (number of questions to answer).

$\text{Mean}W4 = \text{sum of valid answers} / \text{number of valid answers}$ (where valid answers are 0, 1, 2, 3 or 4).

No missing values are allowed in computing the index because of the small number of items that compose the index.

MIN=0, MAX=8

Value of ST_nDW4	Description	Condition
0-8	Index value	Refer to calculation of derived variable above.
96	Not applicable	ST_n_W1=6 or ST_n_W1A=6
99	Not stated	Any answer to question ST_n_W1E or W1F equal to 7, 8 or 9

27.19 Job Insecurity

Cycle 4 Name: ST_0DW5

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DW5 (formerly DVWSI594)

Based on ST_n_W1G.

In Quarter 3 of Cycle 1 (1994) collection, not all eligible working people were asked the work stress questions in the French interview. This may result in some bias. Users should control for language when analyzing these questions.

No missing values are allowed in computing the index.

MIN=0, MAX=4

Value of ST_nDW5	Description	Condition
0-4	Index value	ST_n_W1G=1 to 5; one is subtracted from the answer to convert it to a scale of 0 to 4.
6	Not applicable	ST_n_W1=6 or ST_n_W1A=6
9	Not stated	ST_n_W1G=7,8 or 9

27.20 Physical Exertion

Cycle 4 Name: ST_0DW6

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DW6 (formerly DVWSI694)

Based on ST_n_W1H.

In Quarter 3 of Cycle 1 (1994) collection, not all eligible working people were asked the work stress questions in the French interview. This may result in some bias. Users should control for language when analyzing these questions.

No missing values are allowed in computing the index.

MIN=0, MAX=4

Value of ST_nDW6	Description	Condition
0-4	Index value	ST_n_W1H=1 to 5; score was reversed and converted to a scale of 0 to 4.
6	Not applicable	ST_n_W1=6 or ST_n_W1A=6
9	Not stated	ST_n_W1H=7, 8 or 9

27.21 **Social Support**

Cycle 4 Name: ST_0DW7

Cycle 3 Name: N/A

Cycle 2 Name: N/A

Cycle 1 Name: ST_4DW7 (formerly DVWSI794)

Based on ST_n_W1J, ST_n_W1K and ST_n_W1L.

In Quarter 3 of Cycle 1 (1994) collection, not all eligible working people were asked the work stress questions in the French interview. This may result in some bias. Users should control for language when analyzing these questions.

Calculation:

ST_nDW7=MeanW7 * 3 (number of questions to answer).

MeanW7=sum of valid answers / number of valid answers (where valid answers are 0, 1, 2, 3 or 4).

No missing values are allowed in computing the index because of the small number of items that compose the index.

MIN=0, MAX=12

Value of ST_nDW7	Description	Condition
0-12	Index value	Refer to calculation of derived variable above.
96	Not applicable	ST_n_W1=6 or ST_n_W1A=6
99	Not stated	Any answer to question ST_n_W1J, W1K or W1L equal to 7, 8 or 9

TW - TWO-WEEK DISABILITY**28.1 Total Number of Disability Days**

Cycle 4 Name: N/A

Cycle 3 Name: TWC8DDDDY

Cycle 2 Name: TWC6DDDDY

Cycle 1 Name: TWC4DDDDY (formerly DVDSDY94)

Source: General Social Survey - Health, Cycle 6 (1991)**Statistics Canada's Web Site:** <http://dissemination.statcan.ca/english/sdds/3894.htm>

Based on the sum of TWCn_2 and TWCn_4.

The number of days in the last two weeks when the respondent stayed in bed or cut down in activities because of illness or injury.

Value of TWCnDDDDY	Description	Condition
0-14	Number of disability days	TWCn_2<15 and TWCn_4<15
96	Not applicable	TWCn_2=96 and TWCn_4=96
99	Not stated	TWCn_2=99 and TWCn_4=99

WH - PREVENTIVE HEALTH

PREVENTIVE HEALTH VARIABLES DROPPED IN CYCLE 4:

1. *Age When Hysterectomy Done - Grouped*

Cycle 4 Name: N/A

Cycle 3 Name: WHC8G5A

Cycle 2 Name: N/A

Cycle 1 Name: N/A

Reason: *Grouped variable (PUMF only)*

APPENDIX A: RESTRICTION OF ACTIVITY CODES

Derived Main Health Problem - 25 Groups

Recode of ICD9 to 25 codes

1. **Mental Retardation**
3170 - 3190 Mental Retardation
7580 Down's Syndrome

2. **Mental Disorders**
2900 - 3160 Psychoses,neurotic disorders

3. **Sight Disorders**
3600 - 3799 Disorders of the Eye and Adnexa
7430 - 7439 Congenital anomalies
8710 - 8719 Open wound eyeball
9213 - 9219 Contusion of eyeball
9400 - 9409 Burn of eye\adnexa
9500 - 9509 Injury optic nerve/traumatic blindness
V410 - V411 Problems with Sight/Other Eye Problems
V425 Cornea transplant
V430 - V431 Replace globe\lens eye
V522 Artificial eye

4. **Hearing Disorders**
3800 - 3899 Diseases of Ear and Mastoid Process
7440 - 7443 Congenital anomalies
8720 - 8729 Open wound of ear - affecting hearing
9515 Injury acoustic nerve
V412 - V413 Problems with Hearing/Other Ear Problems

5. **Other Disorders of Nervous System**
3200 - 3599 Meningitis, Parkinson's, Epilepsy etc.
7400 - 7429 Congenital anomalies
8000 - 8049 Fracture of Skull
8060 - 8069 Fracture spinal column - paralysis
8500 - 8540 Intracranial Injury
9510 - 9514 Injury to oculomotor nerve, trochlear nerve, trigeminal nerve, abducent and facial nerves
9516 – 9579 Injury to other cranial nerve(s), peripheral nerve(s), nerve root and other nerves
9520 Cervical Spinal Cord Lesion

6. **Hypertensive Disease**
4010 - 4059 Hypertensive Disease

7. **Ischaemic Heart Disease**
4100 - 4149 Ischaemic Heart Disease

8. **Other Heart Conditions**
3900 - 3989 Rheumatic Fever and heart disease
4150 - 4179 Pulmonary heart disease
4200 - 4299 Other forms of heart disease
7450 - 7459 Anomalies cardiac septal closure
7460 - 7469 Congenital anomalies of heart
7850-7853 Tachycardia, palpitations, cardiac murmurs and other abnormal heart sounds
8610 - 8611 Injury to heart
V421 Heart transplant
V422 Transplant heart valve (mechanical)
V433 Heart valve replace (tissue)
V450 Pacemaker

9. **Other Circulatory Disorders**
 - 4300 - 4389 Cerebrovascular Disease
 - 4400 - 4489 Diseases of arteries
 - 4510 - 4599 Diseases of veins and lymphatics
 - 7470 - 7479 Other congenital anomalies
 - 7854 - 7859 Gangrene/shock etc.
 - 9000 - 9049 Injury blood vessels
 - V434 Replace blood vessel
10. **Bronchitis & Emphysema**
 - 4900 - 4920 Bronchitis and Emphysema
11. **Asthma**
 - 4930 - 4939 Asthma
12. **Other Respiratory Disorders**
 - 4770 - 4779 Allergic Rhinitis
 - 4940 - 5199 Bronchiectasis, Pneumoconioses etc.
 - 7480 - 7489 Congenital anomalies
 - 7860 - 7869 Dyspnea, etc.
 - 8612 - 8613 Lung injury
13. **Disorders of the Digestive System**
 - 5200 - 5299 Oral cavity, Teeth, gums, tongue, etc.
 - 5300 - 5799 Ulcer, appendicitis, intestines etc.
 - 7500 - 7519 Other congenital anomalies
 - 7870 - 7879 Symptoms involving digestive system
 - 8630 - 8641 Injury to gastro tract and liver
14. **Infectious and Parasitic Diseases**
 - 0010 - 1398 Infectious Diseases
15. **Arthritis - lower limbs**
 - VA01 - VA06 Arthritis/Rheumatism
16. **Arthritis - upper limbs**
 - VA07 - VA12 Arthritis/Rheumatism
17. **Arthritis - back & spine**
 - VA13 Arthritis/Rheumatism
18. **Arthritis - other & unspecified**
 - 7110 - 7169 Arthropathy, rheumatoid arthritis etc.
 - 7250 Polymyalgia rheumatica
 - 7290 Rheumatism
 - VA00 Arthritis/Rheumatism
 - VA14 - VA19 Arthritis/Rheumatism
19. **Other Musculoskeletal Disorders - lower limb**
 - 7170 - 7179 Internal derangement knee
 - 7265 - 7267 Peripheral Enthesopathies
 - 7321 - 7322 Osteochondropathies hip/femur
 - 7324 - 7325 Osteochondropathies lower leg/foot
 - 7340 - 7359 Acquired deformity foot/toe
 - 7363 - 7367 Acquired deformity lower limb
 - 7395 - 7396 Nonallopathic lesions
 - 7543 - 7547 Congenital deformities
 - 7553 Reduction deformity
 - 7556 Other anomaly
 - 8200 - 8291 Fracture lower limb/hip

8350 - 8381	Dislocation of hip/knee/ankle/foot
8430 - 8451	Sprains of hip/knee/ankle/foot
8900 - 8977	Trauma/amputation
9280 - 9289	Crushing
9596 - 9597	Injury NOS
9912	Frostbite
V521	Artificial leg
VB01 - VB06	Damaged/Removed Discs
VC01 - VC06	Weak/Damaged Bones
VD01 - VD06	Damaged/Torn Cartilages
VE01 - VE06	Sprained/Damaged Ligaments/Tendons
VF01 - VF06	Weak/Pulled/Damaged Muscles
VG01 - VG06	Absence/Missing
VH01 - VH06	Fractures/Breaks
VJ01 - VJ06	Fusions
VK01 - VK06	Deformed/Crooked
VL01 - VL06	Displaced/Dislocated/Slipped
VM01 - VM06	Pain/Soreness
VN01 - VN06	Stiffness
VP01 - VP06	Paralysis
VR01 - VR06	Coordination Problems
VS01 - VS06	Weakness - Site Unspecified
VT01 - VT06	Other Specified Impairments
VU01 - VU06	Other Unspecified Impairments

20. Other Musculoskeletal Disorders - upper limbs

7260 - 7264	Peripheral Enthesopathies
7323	Osteochondrosis upper extremities
7360 - 7362	Acquired deformities arm/hand
7397	Nonallopathic lesions
7552	Congenital Deformity
7555	Congenital deformity
V520	Artificial arm
8100 - 8191	Fracture upper limb
8310 - 8341	Dislocation of shoulder/elbow/finger
8400 - 8421	Sprain of shoulder/elbow/finger
8800 - 8877	Wound/trauma/amputation
9270 - 9279	Crushing
9592 - 9595	Injury NOS
9911	Frostbite
VB07 - VB12	Damaged/Removed Discs
VC07 - VC12	Weak/Damaged Bones
VD07 - VD12	Damaged/Torn Cartilages
VE07 - VE12	Sprained/Damaged Ligaments/Tendons
VF07 - VF12	Weak/Pulled/Damaged Muscles
VG07 - VG12	Absence/Missing
VH07 - VH12	Fractures/Breaks
VJ07 - VJ12	Fusions
VK07 - VK12	Deformed/Crooked
VL07 - VL12	Displaced/Dislocated/Slipped
VM07 - VM12	Pain/Soreness
VN07 - VN12	Stiffness
VP07 - VP12	Paralysis
VR07 - VR12	Coordination Problems
VS07 - VS12	Weakness - site specified
VT07 - VT12	Other Specified Impairments
VU07 - VU12	Other Unspecified Impairments

21. Other Musculoskeletal Disorders - back and spine

7200 - 7209	Ankylosing spondylitis
7210 - 7249	Spondylosis, disorders of back
7268 - 7269	Peripheral enthesopathies
7320	Osteochondrosis of spine
7370 - 7379	Curvature of spine
7384 - 7385	Acquired deformity of spine
7391 - 7394	Back NOS
7542	Congenital lordosis, scoliosis etc.
7561	Other congenital anomalies
8050 - 8059	Fracture spine w/o spinal cord injury
8460 - 8479	Sprains and strains
9591	Injury back NOS
VB13 - VU13**	Impairment to Back/spine/discs

**Vn13 – where *n* is B to H, J to N, P and R to U.

22. Other and Unspecified Musculoskeletal Disorders

7100 - 7109	Lupus etc.
7180 - 7199	Joint disorder, joint not specified
7270 - 7279	Disorder synovium, tendon, bursa
7280 - 7289	Disorder muscle, ligament, fascia
7291 - 7299	Other soft tissues
7300 - 7319	Osteopathies etc.
7326 - 7339	Osteochondropathies other bone/cart.
7368 - 7369	Other acquired deformities of limbs
7380 - 7383	Acquired deformities
7386 - 7389	Acquired deformities
7390	Nonallopathic lesions
7398 - 7399	Lesions rib cage and abdomen
7540 - 7541	Congenital anomalies
7548	Congenital musculoskeletal deform.
7550 - 7551	Other congenital anomalies of limbs (polydactyly, syndactyly)
7554	Other congenital anomalies (reduction deformities, unspecified limb)
7558 - 7559	Other congenital anomalies (other specified anomalies and unspecified anomalies of unspecified limb)
7560	Anomalies of skull & face bones
7562 - 7569	Other congenital anomalies
8070 - 8091	Fracture rib, sternum, trunk etc.
8300 - 8301	Dislocation of jaw
8390 - 8391	Other ill-defined dislocation
8480 - 8489	Other ill-defined sprains/strains
9260 - 9269	Crushing injury trunk
9598 - 9599	Injury - Site unspecified
V436	Joint replaced by other means

23. Neoplasms

1400 - 2089	Malignant neoplasms
2100 - 2299	Benign neoplasms
2300 - 2399	Carcinoma-in-situ

24. Endocrine, Nutritional, Metabolic and Immunity Disorders

2400 - 2469	Disorders of thyroid gland
2500 - 2509	Diabetes
2510 - 2799	Endocrine Glands, nutrition defic etc.

25. Other

All others

***Musculoskeletal Impairment Supplementary Coding Scheme**

Example VA01 - Arthritis/Rheumatism of Toes

Impairment	Site
VA - Arthritis/Rheumatism	00 - Not stated
VB - Damaged/Removed Discs	01 - Toes
VC - Weak/Damaged/Degenerating Bones	02 - Feet
VD - Damaged/Torn Cartilages	03 - Ankles
VE - Sprained/Damaged/Torn Ligaments	04 - Knees/Kneecaps
VF - Weak/Pulled/Damaged Muscles	05 - Legs
VG - Absence/Missing	06 - Hips
VH - Fractures/Breaks (only with bones)	07 - Fingers
VJ - Fusions	08 - Hands
VK - Deformed/Crooked	09 - Wrists
VL - Displaced/Dislocated/Slipped	10 - Elbows
VM - Pain/Soreness	11 - Arms
VN - Stiffness	12 - Shoulders
VP - Paralysis	13 - Back/Spine/Discs
VR - Coordination Problems	14 - Trunk/Chest/Ribs/Collarbone
VS - Weakness - site specified	15 - Neck
VT - Other Specified Impairments	16 - Head/Face
VU - Other Unspecified Impairments	17 - One Side of the Body
	18 - Below the Waist
	19 - Entire Body

APPENDIX B: DRUG CODING

DRGC301G to DRGC312G

DRGC501G to DRGC512G

The drug classification is based on the Canadian Anatomical Therapeutic Chemical (ATC) Classification System. The codes used on the microdata file are not the actual ATC codes, but they are the first letter of the drug code which is provided on the Public Use Micro File. The full set of codes are identified on the master file maintained at Statistics Canada. These are available by special request.

1. Alimentary tract and metabolism

Anti-Obesity Preparations, excluding Diet Products
Mineral Supplements
Enzyme Preparations
Antipropulsives
Antiflatulents
Digestives, Including Enzymes
Antiemetics and Antinauseants
Propulsives
Cathartics/Laxatives
Laxatives (Bulk Forming)
Laxatives (Contact)
Laxatives (Softeners, Emollients)
Laxatives (Osmotically Acting)
Miscellaneous GI
Cholelitholytic and Choleric
Anti-Peptic Ulcer (H2-Receptor Antagonists)
Anti-Peptic Ulcer (Others)
Antacids
Drugs Used in Diabetes
Drugs Used in Diabetes (Insulins)
Drugs Used in Diabetes (Oral Hypoglycemics)
Antihypoglycemics
Other Mineral Supplements
Nutritional Supplements
Antiobesity Preparations

2. Blood and blood forming organs

Blood Formation and Coagulation
Anticoagulants
Antiplatelet
Antianemic Preparations (Iron)
Electrolyte Solutions (Alkalinizing)
Irrigating Solutions

3. Cardiovascular system

Peripheral Vasodilators
Haemorrhologic
Antihyperlipedemic
Cardiac Drugs
Cardiac (Glycosides and Others)
Cardiac (Antiarrhythmics)
Cardiac (Calcium Channel Blockers)
Antihypertensive
Antihypertensive (Beta Blocking)
Antihypertensive (Converting Enzyme Inhibitors - ACE)
Antihypertensive (Adrenergic Neuron Blockers)
Antihypertensive (A-Blockers)
Antihypertensive (Others)

- Vasodilators (Nitrates/Nitrites)
- Vasodilators (Others)
- Diuretics
- Diuretics (Thiazides and Related)
- Diuretics (Loop)
- Diuretics (Potassium-Sparing)
- 4. Dermatologicals**
 - Skin/Mucous Membrane Preparation
 - Antibiotics
 - Antivirals
 - Antifungals
 - Other Anti-Infectives
 - Anesthetics for Topical Use/Antipruritics
 - Anti-Acne Preparation
 - Anipsoriatics and Protectants
 - Keratolytics
 - Keratoplastics
 - Astringents
 - Depigmenting/Pigmenting
 - Anti-Inflammatory (Corticosteroids)
 - Sunscreens
 - Miscellaneous Dermatological Preparations
- 7. Genito-urinary system and sex hormones**
 - Urinary Anti-infectives
 - Androgens
 - Hormonal Contraceptives
 - Progestogens
 - Estrogens
 - Gonadotrophins
 - Genitourinary Antispasmodics
- 8. Systemic hormonal preparations, excluding sex hormones**
 - Hormones
 - Corticosteroids
 - Pituitary and Hypothalamic Hormones
 - Thyroid/Antithyroid
 - Thyroid Hormones
 - Antithyroid Preparations
- 10. General anti-infectives for systemic use**
 - Antimycotics for Systemic Use
 - Antimycobacterials
 - Antivirals for Systemic Use
 - Aminoglycoside Antibacterials
 - Cephalosporins and Related Substances
 - Macrolides
 - Quinolone Antibacterials
 - Sulfonamides
 - Tetracyclines
 - Penicillins
 - Penicillins (Natural)
 - Penicillins (Penicillinase-Resistant)
 - Penicillins (Broadpectrum)
 - Miscellaneous Antibacterials

- 12. Antineoplastic agents**
Antineoplastic
Alkylating
Anti-Metabolites
Miscellaneous Antineoplastics
Immunosuppressive Agents
- 13. Musculo-skeletal system**
Skeletal Muscle Relaxants
Skeletal Muscle Relaxants (Centrally Acting)
Skeletal Muscle Relaxants (Combination)
Analgesics/Antipyretics
Antiinflammatory and Antirheumatic (NSAID)
Preparations Increasing Uric Acid
Gold Preparations
Topical Products for Joint and Muscular Pain
- 14. Nervous system**
Parasyathomimetic
Anticholinergic Antimuscarinics/Antispasmodics
Ergot Alkaloids
Antiepileptics
Antimigraine
Anti-Parkinson Drugs
Alcohol
Analgesics/Antipyretics (Salicylic Acid/Derivatives)
Analgesics/Antipyretics (Opioids)
Analgesics/Antipyretics (Opioids-Combinations)
Analgesics/Antipyretics (Opioids-Codeine)
Analgesics/Antipyretics (Miscellaneous)
Analgesics/Antipyretics (Acetaminophen)
Antidepressants
Antidepressants (Mao Inhibitors)
Antidepressants (Tricyclics)
Antidepressants (Serotonin Inhibitors)
Antidepressants (Others)
Anxiolytics, Sedatives, Hypnotics
Anxiolytics (BZD-Short Half-Life)
Anxiolytics (BZD-Medium Half-Life)
Anxiolytics (BZD-Long Half-Life)
Anxiolytics (Other)
Hypnotics and Sedatives (Barbiturates)
Hypnotics and Sedatives (Other)
Antipsychotics (Phenothiazines)
Antipsychotics (Others)
Psychostimulants
Antipsychotic (Lithium)
- 16. Antiparasitic products**
Antiprotozoals (Antimalarials)
- 17. Cold and cough common drugs**
Cold Medications

- 18 Respiratory system**
Antihistamines (General)
Antihistamines (For Systemic Use)
Antihistamines (For Systemic Use - Other)
Respiratory Stimulants
Anti-Allergic and Other Anti-Asthmatics (Inhaled)
Anti-Asthmatics (Theophyllines)
Anti-Asthmatics (B-Agonists)
Anti-Asthmatics (Others)
- 19. Sensory organs**
Anti-Infectives
Anti-Inflammatory
Carbonic Anhydrase Inhibitors
Antiglaucoma Preparations and Miotics
Mydriatics
Mouth Washes and Gargles
Nasal and Systemic Decongestants (Nasal)
Ophthalmological and Otological Preparations
Anti-Infective (Antivirals)
Anti-Infective (Sulfonamides)
Anti-Infective (Miscellaneous)
- 22. Various**
Anti-Smoking Agents
Heavy Metal Antagonists
Local Anesthetics (Parenteral)
Vaccines
Vitamin A Derivatives
Vitamin B Complex
Vitamin C
Vitamin D
Vitamin E
Vitamin K
Miscellaneous Vitamin Preparations
Multivitamins
Placebo
Unclassified Therapeutics
- 24. Natural medicines**
Natural Medicines
Medicinal Herbs
Natural Weight Reduction
Tisanes
Chinese Medicine
Natural Immune/Anti-Allergy
Micro-Algae
Proteins
Amino-Acids
Nucleoside
Amino Sugar
Fatty Acids
Natural Oils, Spices
Natural Enzymes
Natural Vitamins
Natural Antioxidants
Natural Minerals
Nutritional Products

Alternative Therapies
Aroma Therapy
Homeopathic
Natural Medicines (Miscellaneous)

- 26. Missing**
Missing Drugs and Missing Products