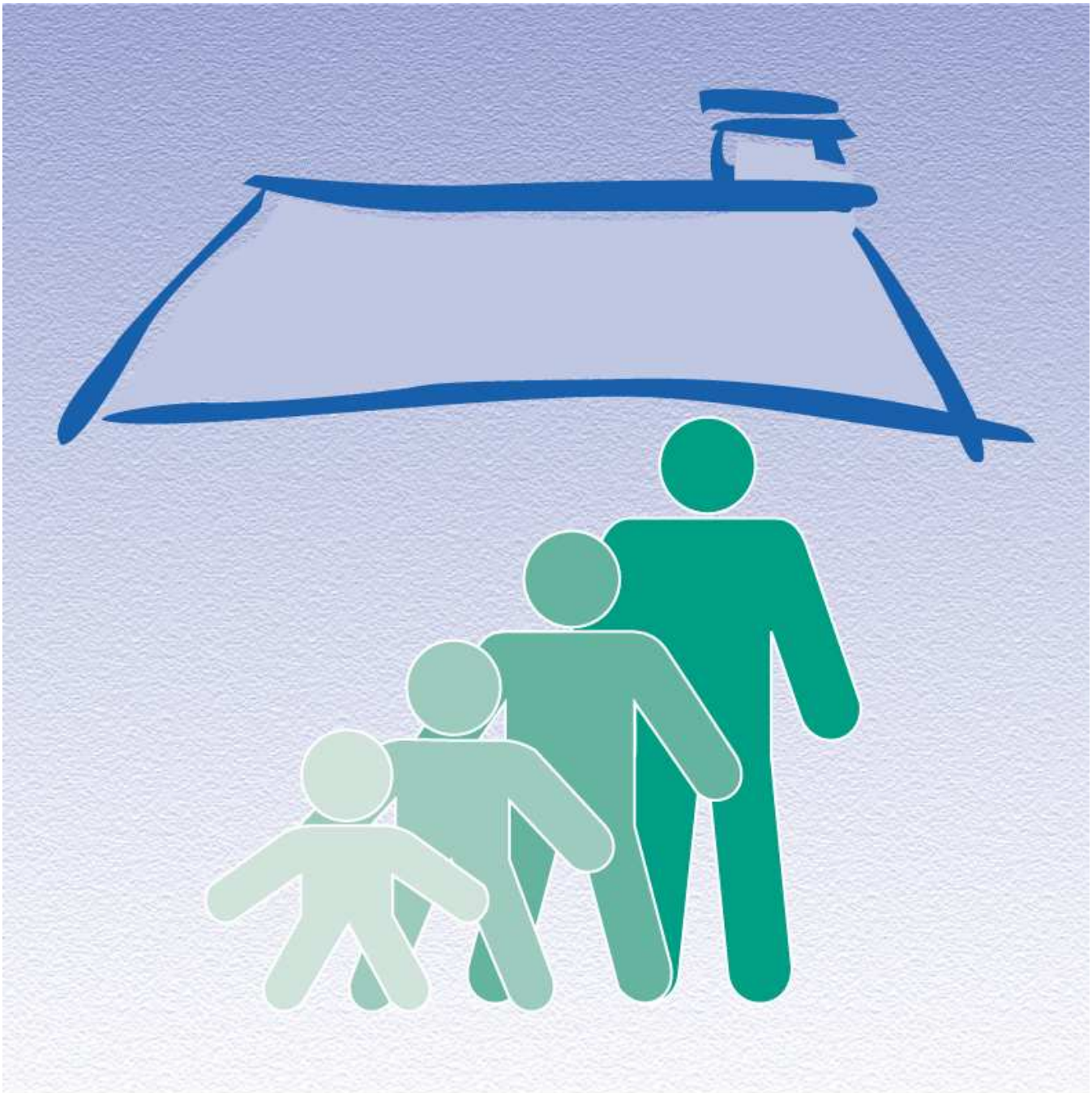


# Canadian Community Health Survey (CCHS)

Annual Component, 2009

Derived Variable (DV) Specifications



Statistics  
Canada

Statistique  
Canada

Canada

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## Activities of Daily Living (1 DV)

### 1 ) Need for help with instrumental activities of daily living

**Variable name:** ADLF6R

**Based on:** ADL\_01, ADL\_02, ADL\_03, ADL\_04, ADL\_05, ADL\_06

**Description:** This variable classifies respondents according to their need for help (because of health reasons) with instrumental activities of daily living such as preparing meals, shopping for groceries or other necessities, doing everyday housework, doing heavy household chores (washing walls, yard work), and personal care (washing, dressing or eating), moving about inside the house or paying bills.

**Note:** Prior to 2009, ADLF6R was called RACF6R and was a part of the Restriction of Activities (RAC) module. In 2009, all of the questions associated with the derived variable RACF6R were moved into a new module called Activities of Daily Living (ADL).

RACF6R was modified from RACAF6 (CCHS Cycle 1.1) by adding RAC\_6G. The series of tasks included was revised based on the Participation and Activity Limitation Survey. Hence, this derived variable has been modified to take into account the revised set of tasks and thus this DV is not entirely comparable to RACAF6.

The variable was also modified in 2007 as question RAC\_6D was no longer asked.

#### Specifications

| Value | Condition(s)  | Description  | Notes |
|-------|---|--|-------|
| 1     | ADL_01 = 1 or<br>ADL_02 = 1 or<br>ADL_03 = 1 or<br>ADL_04 = 1 or<br>ADL_05 = 1 or<br>ADL_06 = 1   | Needs help with at least one task  |       |
| 2     | ADL_01 = 2 and<br>ADL_02 = 2 and<br>ADL_03 = 2 and<br>ADL_04 = 2 and<br>ADL_05 = 2 and<br>ADL_06 = 2  | Does not need help   |       |
| 9     | (ADL_01 = DK, R, NS) or<br>(ADL_02 = DK, R, NS) or<br>(ADL_03 = DK, R, NS) or<br>(ADL_04 = DK, R, NS) or<br>(ADL_05 = DK, R, NS) or<br>(ADL_06 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

## Alcohol use (1 DV)

### 1 ) Type of Drinker (12 Months)

**Variable name:** ALCDTTM

**Based on:** ALC\_1, ALC\_2

**Description:** This variable indicates the type of drinker the respondent is based on his/her drinking habits in the past 12 months.

**Note:** This derived variable was introduced in 2007. Some of the questions contained within the Alcohol Use module in previous cycles moved to the Alcohol Use During the Past Week (ALW) and Alcohol Use - Former Drinkers (ALN) modules. As the new modules are optional content, most of the derived variables that were formerly calculated for all respondents in the Alcohol Use (ALC) module are now found in ALW and ALN and are only calculated for the health regions that selected these modules. ALCDTTM was created to allow the classification of all respondents according to their drinking habits in the past 12 months.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)                                  | Description  | Notes |
| 9              | (ALC_1 = DK, R, NS) or<br>(ALC_2 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| 1              | (2 <= ALC_2 < NA)                             | Regular drinker  |       |
| 2              | ALC_2 = 1                                     | Occasional drinker   |       |
| 3              | ALC_1 = 2                                     | Did not drink in the last 12 months  |       |

## Alcohol use - Dependence (4 DVs)

The CCHS uses the full range of questions developed by Kessler and Mroczek to derive the measure of alcohol dependence. In the CCHS 2.1, respondents who had 5 drinks or more on one occasion at least once a month during the last 12 months answered the alcohol dependence questions.

| Temporary Reformat            |                 |   |       |
|-------------------------------|-----------------|---|-------|
| Value                         | Condition(s)    | Description   | Notes |
| <b>ALDT01</b><br>(2 - ALD_01) | (ALD_01 = 1, 2) | Rescale and invert the answers for questions ALD_01 to ALD_09 (except ALD_02 and ALD_08) from 1 and 2 to 1 and 0 respectively |       |
| <b>ALDT03</b><br>(2 - ALD_03) | (ALD_03 = 1, 2) | Rescale and invert the answers for questions ALD_01 to ALD_09 (except ALD_02 and ALD_08) from 1 and 2 to 1 and 0 respectively |       |
| <b>ALDT04</b><br>(2 - ALD_04) | (ALD_04 = 1, 2) | Rescale and invert the answers for questions ALD_01 to ALD_09 (except ALD_02 and ALD_08) from 1 and 2 to 1 and 0 respectively |       |
| <b>ALDT05</b><br>(2 - ALD_05) | (ALD_05 = 1, 2) | Rescale and invert the answers for questions ALD_01 to ALD_09 (except ALD_02 and ALD_08) from 1 and 2 to 1 and 0 respectively |       |
| <b>ALDT06</b><br>(2 - ALD_06) | (ALD_06 = 1, 2) | Rescale and invert the answers for questions ALD_01 to ALD_09 (except ALD_02 and ALD_08) from 1 and 2 to 1 and 0 respectively |       |
| <b>ALDT07</b><br>(2 - ALD_07) | (ALD_07 = 1, 2) | Rescale and invert the answers for questions ALD_01 to ALD_09 (except ALD_02 and ALD_08) from 1 and 2 to 1 and 0 respectively |       |
| <b>ALDT09</b><br>(2 - ALD_09) | (ALD_09 = 1, 2) | Rescale and invert the answers for questions ALD_01 to ALD_09 (except ALD_02 and ALD_08) from 1 and 2 to 1 and 0 respectively |       |

### 1 ) Alcohol Dependence Scale (Short Form Score) - 12-Month

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | ALDDSF   |
| <b>Based on:</b>      | ALD_01, ALD_03, ALD_04, ALD_05, ALD_06, ALD_07, ALD_09   |
| <b>Description:</b>   | This variable assesses alcohol dependence in the 12 months prior to the interview. Alcohol dependence is defined as tolerance, withdrawal, or loss of control or social or physical problems related to alcohol use.   |
| <b>Note:</b>          | The index is based on a subset of items from the Composite International Diagnostic Interview (CIDI) developed by Kessler and Mroczek. The CIDI is a structured diagnostic instrument that provides diagnostic estimates according to the operationalization of some of the criteria of the DSM-III-R classification for psychoactive substance user disorder. |
| <b>Source:</b>        | Kessler R.C., G. Andrews and D. Mroczek and al. «The World Health Organisation Composite Diagnostic Interview Short-Form», Psychological Medicine.   |

| Specifications |              |                                    |       |
|----------------|--------------|------------------------------------|-------|
| Value          | Condition(s) | Description                        | Notes |
| 96             | ALDFOPT = 2  | Module not selected                | NA    |
| 99             | ADM_PRX = 1  | Module not asked - proxy interview | NS    |

|  |  |  |                  |
|--|--|--|------------------|
| 99   | (ALDT01 = DK, R, NS) or<br>(ALDT03 = DK, R, NS) or<br>(ALDT04 = DK, R, NS) or<br>(ALDT05 = DK, R, NS) or<br>(ALDT06 = DK, R, NS) or<br>(ALDT07 = DK, R, NS) or<br>(ALDT09 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)     | NS               |
| 0  | ALDT01 = NA  | Did not drink enough in the past 12 months to<br>answer the alcohol dependence questions |                  |
| ALDT01 +<br>ALDT03 +<br>ALDT04 +<br>ALDT05 +<br>ALDT06 +<br>ALDT07 +<br>ALDT09 | (ALDT01 = 0, 1) and<br>(ALDT03 = 0, 1) and<br>(ALDT04 = 0, 1) and<br>(ALDT05 = 0, 1) and<br>(ALDT06 = 0, 1) and<br>(ALDT07 = 0, 1) and<br>(ALDT09 = 0, 1)                              | Score obtained on the alcohol dependence scale   | (min: 0; max: 7) |

## 2) Probability of Caseness to Respondents (Alcohol Dependence) - 12-Month

**Variable name:** ALDDPP

**Based on:** ALDDSF

**Description:** This variable calculates, from the alcohol dependence scale score obtained, the probability (expressed as a proportion) that the respondents would have been diagnosed with an alcohol dependence, if they had completed the Long-Form Composite International Diagnostic Interview (CIDI) at the time of the interview.

**Note:** The probability of caseness to respondents was assigned based on their short-form scores. 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 probability of caseness of 0 was assigned to respondents who denied the stem questions. 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 probable non-cases.

Based on the information obtained from the National Comorbidity 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.

| Specifications |                   |   |       |
|----------------|-------------------|---|-------|
| Value          | Condition(s)      | Description   | Notes |
| 9.96           | ALDDSF = NA       | Module not selected   | NA    |
| 9.99           | ALDDSF = NS       | At least one required question was not answered<br>(don't know, refusal, not stated) or module not<br>asked (proxy interview) | NS    |
| 0.00           | ALDDSF = 0        | Probability of caseness to respondents  |       |
| 0.05           | ALDDSF = 1        | Probability of caseness to respondents  |       |
| 0.40           | ALDDSF = 2        | Probability of caseness to respondents  |       |
| 0.85           | ALDDSF = 3        | Probability of caseness to respondents  |       |
| 1.00           | (3 < ALDDSF < NA) | Probability of caseness to respondents  |       |

## 3) Alcohol Interference 12-Month - Mean

**Variable name:** ALDDINT

**Based on:** ALD\_15A, ALD\_5B1, ALD\_5B2, ALD\_15C, ALD\_15D

**Description:** This variable indicates the interference that alcohol use had on daily activities and responsibilities in the past 12 months. This

is a mean of the 5 items.

**Note:** Respondents who answered no to each of the questions in relation to the alcohol dependence have been excluded from the population.

| Specifications  |   |  |  |
|---|---|--|--|
| Value   | Condition(s)  | Description  | Notes  |
| 99.6  | ALDFOPT = 2   | Module not selected  | NA   |
| 99.6  | ALD_15A = NA  | Population exclusions  | NA   |
| 99.9  | ADM_PRX = 1   | Module not asked - proxy interview   | NS   |
| 99.9  | (ALD_15A = DK, R, NS) or<br>(ALD_5B1 = DK, R, NS) or<br>(ALD_5B2 = DK, R, NS) or<br>(ALD_15C = DK, R, NS) or<br>(ALD_15D = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)                     | NS   |
| (ALD_15A +<br>ALD_5B1 +<br>ALD_5B2 +<br>ALD_15C +<br>ALD_15D) / 5 | (0<=ALD_5B1<=10) and<br>(0<=ALD_5B2<=10) and<br>(0<=ALD_15A<=10) and<br>(0<=ALD_15C<=10) and<br>(0<=ALD_15D<=10)                      | Interference = mean of all 5 items. Respondent<br>answered all 5 questions                               | (rounded to one<br>decimal place)<br>(min: 0; max: 10) |
| (ALD_15A +<br>ALD_5B2 +<br>ALD_15C +<br>ALD_15D) / 4              | ALD_5B1 = 11 and<br>(0<=ALD_5B2<=10) and<br>(0<=ALD_15A<=10) and<br>(0<=ALD_15C<=10) and<br>(0<=ALD_15D<=10)                          | Interference = mean of 4 items that applied to<br>respondent.<br>ALD_5B1 was not applicable              | (rounded to one<br>decimal place)<br>(min: 0; max: 10) |
| (ALD_15A +<br>ALD_5B1 +<br>ALD_15C +<br>ALD_15D) / 4              | (0<=ALD_5B1<=10) and<br>ALD_5B2 = 11 and<br>(0<=ALD_15A<=10) and<br>(0<=ALD_15C<=10) and<br>(0<=ALD_15D<=10)                          | Interference = mean of 4 items that applied to<br>respondent.<br>ALD_5B2 was not applicable              | (rounded to one<br>decimal place)<br>(min: 0; max: 10) |
| (ALD_15A +<br>ALD_15C +<br>ALD_15D) / 3                           | ALD_5B1 = 11 and<br>ALD_5B2 = 11 and<br>(0<=ALD_15A<=10) and<br>(0<=ALD_15C<=10) and<br>(0<=ALD_15D<=10)                              | Interference = mean of 3 items that applied to<br>respondent.<br>ALD_5B1 and ALD_5B2 were not applicable | (rounded to one<br>decimal place)<br>(min: 0; max: 10) |

#### 4 ) Flag for Alcohol Interference 12-Month

**Variable name:** ALDFINT

**Based on:** ALD\_15A, ALD\_5B1, ALD\_5B2, ALD\_15C, ALD\_15D

**Description:** This variable indicates the interference that alcohol use had on daily activities and responsibilities in the past 12 months. This is a classification that indicates whether alcohol use interferes significantly with the person's normal routine, occupational (academic) functioning, or social activities or relationships.

**Note:** Respondents who answered no to each of the questions in relation to the alcohol dependence have been excluded from the population.

| Specifications |              |                                    |       |
|----------------|--------------|------------------------------------|-------|
| Value          | Condition(s) | Description                        | Notes |
| 6              | ALDFOPT = 2  | Module not selected                | NA    |
| 6              | ALD_15A = NA | Population exclusions              | NA    |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview | NS    |

|   |   |  |    |
|---|---|--|----|
| 9 | (ALD_15A = DK, R, NS) or<br>(ALD_5B1 = DK, R, NS) or<br>(ALD_5B2 = DK, R, NS) or<br>(ALD_15C = DK, R, NS) or<br>(ALD_15D = DK, R, NS)                 | At least one required question was not answered<br>(don't know, refusal, not stated)   | NS |
| 1 | (4<=ALD_15A<=10) or<br>(4<=ALD_5B1<=10) or<br>(4<=ALD_5B2<=10) or<br>(4<=ALD_15C<=10) or<br>(4<=ALD_15D<=10)  | Alcohol use interfered significantly with the normal routine, occupational (academic) functioning, or social activities or relationships in the past 12 months     |    |
| 2 | (0<=ALD_15A<=3) and<br>((0<=ALD_5B1<=3) or<br>ALD_5B1 = 11) and<br>((0<=ALD_5B2<=3) or<br>ALD_5B2 = 11) and<br>(0<=ALD_15C<=3) and<br>(0<=ALD_15D<=3) | Alcohol use did not interfere significantly with the normal routine, occupation (academic) functioning or social activities or relationships in the past 12 months |    |

## Alcohol use during the past week (2 DVs)

### 1 ) Weekly Consumption

**Variable name:** ALWDWKY

**Based on:** ALC\_1, ALW\_1, ALW\_2A1, ALW\_2A2, ALW\_2A3, ALW\_2A4, ALW\_2A5, ALW\_2A6, ALW\_2A7

**Description:** This variable indicates the total number of drinks consumed in the week prior to the interview.

**Note:** Respondents who did not have at least one drink in the past 12 months were excluded from the population. Before 2007, this derived variable was called ALCnDWKY. It was included in the Derived Variable Specifications for the Alcohol Use (ALC) module and was calculated for all respondents. It is now only calculated for respondents residing in the health regions that selected the Alcohol Use During the Past Week (ALW) module.

| Specifications  |   |  |                    |
|---|---|--|--------------------|
| Value   | Condition(s)  | Description  | Notes              |
| 996   | ALWFOPT = 2   | Module not selected  | NA                 |
| 996   | ALC_1 = 2   | Population exclusions  | NA                 |
| 0   | ALW_1 = 2   | Has not had a drink in past week   |                    |
| 999   | (ALW_1 = DK, R, NS) or<br>(ALW_2A1 = DK, R, NS) or<br>(ALW_2A2 = DK, R, NS) or<br>(ALW_2A3 = DK, R, NS) or<br>(ALW_2A4 = DK, R, NS) or<br>(ALW_2A5 = DK, R, NS) or<br>(ALW_2A6 = DK, R, NS) or<br>(ALW_2A7 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                 |
| ALW_2A1 +<br>ALW_2A2 +<br>ALW_2A3 +<br>ALW_2A4 +<br>ALW_2A5 +<br>ALW_2A6 +<br>ALW_2A7 | (0 <= ALW_2A1 < 100) and<br>(0 <= ALW_2A2 < 100) and (0 <= ALW_2A3 < 100) and (0 <= ALW_2A4 < 100) and (0 <= ALW_2A5 < 100) and (0 <= ALW_2A6 < 100) and (0 <= ALW_2A7 < 100)   | Number of drinks consumed in past week   | (min: 0; max: 693) |

### 2 ) Average Daily Alcohol Consumption

**Variable name:** ALWDDLY

**Based on:** ALWDWKY

**Description:** This variable indicates the average number of drinks the respondent consumed per day in the week prior to the interview.

**Note:** Respondents who did not have at least one drink in the last 12 months were excluded from the population. Before 2007, this derived variable was called ALCnDDLY. It was included in the Derived Variable Specifications for the Alcohol Use (ALC) module and was calculated for all respondents. It is now only calculated for respondents residing in the health regions that selected the Alcohol Use During the Past Week (ALW) module.

| Specifications |              |  |       |
|----------------|--------------|--|-------|
| Value          | Condition(s) | Description  | Notes |
| 996            | ALWFOPT = 2  | Module not selected  | NA    |
| 996            | ALWDWKY = NA | Population exclusions  | NA    |
| 999            | ALWDWKY = NS | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

ALWDWKY / 7

ALWDWKY &lt; 694

Average daily alcohol consumption

(Rounded to  
integer)  
(min: 0; max: 99)



## Chronic conditions (1 DV)

### 1 ) Diabetes type

**Variable name:** CCCDDIA

**Based on:** CCC\_10A, CCC\_10B, CCC\_10C, CCC\_101, CCC\_102, CCC\_105, CCC\_106, DHH\_AGE, DHH\_SEX

**Description:** This variable classifies diabetes as Type 1, Type 2, or Gestational, using the Ng-Dasgupta-Johnson algorithm (Health Reports, 19(1), March 2008).

**Note:** This derived variable was introduced in 2009.

#### Specifications

| Value | Condition(s)  | Description  | Notes |
|-------|---|--|-------|
| 6     | CCC_101 <> 1  | Population exclusions  | NA    |
| 9     | (CCC_10A = DK, R, NS) or<br>(CCC_10B = DK, R, NS) or<br>(CCC_10C = DK, R, NS) or<br>(CCC_101 = DK, R, NS) or<br>(CCC_102 = DK, R, NS) or<br>(CCC_105 = DK, R, NS) or<br>(CCC_106 = DK, R, NS) or<br>(DHH_AGE = DK, R, NS) or<br>(DHH_SEX = DK, R, NS)   | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| 1     | [(DHH_SEX = 1) and<br>(CCC_101 = 1) and<br>(CCC_105 = 1) and<br>(CCC_106 = 2) and<br>((CCC_10C <=3) and ((DHH_AGE < 30) or<br>(CCC_102 < 30)))]<br>or<br>[(DHH_sex = 2) and<br>(CCC_101 = 1) and<br>(CCC_10B = 1 or 6) and<br>(CCC_105 = 1) and<br>(CCC_106 =2) and<br>((CCC_10C <=3) and ((DHH_AGE < 30) or<br>(CCC_102 < 30)))] | Type 1 diabetes  |       |
| 2     | CCC_101 = 1 and<br>((CCC_102 >=30) or ((CCC_102 <30) and<br>(CCC_106 =1) and (CCC_10C >3)) or<br>((CCC_102 < 30) and (CCC_106=1) and<br>(CCC_105 =1) and (CCC_10C < 3))   | Type 2 diabetes  |       |
| 3     | CCC_101 = 1 and<br>DHH_SEX = 2 and<br>CCC_10A = 1 and<br>CCC_10B = 2  | Gestational diabetes   |       |
| 4     | Else  | Unable to classify   |       |

## Contacts with health professionals (2 DVs)

### 1 ) Number of Consultations with Medical Doctor/Paediatrician

**Variable name:** CHPDMDC

**Based on:** CHP\_04, CHP\_09

**Description:** This variable indicates the number of times respondents have seen or talked to a family doctor or a specialist in the last 12 months.

**Note:** Prior to 2009, CHPDMDC was called HCU DMDC and was calculated with questions from the Health care utilization (HCU) module. In 2009, the HCU module was split and all questions associated with the derived variable HCU DMDC were moved into a new module called Contacts with Health Professionals (CHP)

| Specifications     |  |  |                    |
|--------------------|--|--|--------------------|
| Value              | Condition(s)                                     | Description  | Notes              |
| 999                | (CHP_04 = DK, R, NS) or<br>(CHP_09 = DK, R, NS)  | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                 |
| CHP_04 +<br>CHP_09 | (0 <= CHP_04 <= 366) and<br>(0 <= CHP_09 <= 300) | Number of consultations with medical doctor  | (min: 0; max: 666) |

### 2 ) Consultations with Health Professionals

**Variable name:** CHPFCOP

**Based on:** CHP\_04, CHP\_07, CHP\_09, CHP\_12, CHP\_15, CHP\_17, CHP\_19, CHP\_21, CHP\_23, CHP\_25

**Description:** This variable indicates whether respondents saw or talked to at least 1 health professional in the last 12 months.

**Note:** Prior to 2009, CHPFCOP was called HCUFCOP and was calculated with questions from the Health care utilization (HCU) module. In 2009, the HCU module was split and all questions associated with the derived variable HCUFCOP were moved into a new module called Contacts with Health Professionals (CHP).

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 2              | CHP_04 = 0 and<br>CHP_07 = 0 and<br>CHP_09 = 0 and<br>CHP_12 = 0 and<br>CHP_15 = 0 and<br>CHP_17 = 0 and<br>CHP_19 = 0 and<br>CHP_21 = 0 and<br>CHP_23 = 0 and<br>CHP_25 = 0  | Did not consult a health professional last year         |       |
| 1              | (0 < CHP_04 < NA) or<br>(0 < CHP_07 < NA) or<br>(0 < CHP_09 < NA) or<br>(0 < CHP_12 < NA) or<br>(0 < CHP_15 < NA) or<br>(0 < CHP_17 < NA) or<br>(0 < CHP_19 < NA) or<br>(0 < CHP_21 < NA) or<br>(0 < CHP_23 < NA) or<br>(0 < CHP_25 < NA) | Consulted a health professional at least once last year |       |

|   |   |  |    |
|---|---|--|----|
| 9 | (CHP_04 = DK, R, NS) or<br>(CHP_07 = DK, R, NS) or<br>(CHP_09 = DK, R, NS) or<br>(CHP_12 = DK, R, NS) or<br>(CHP_15 = DK, R, NS) or<br>(CHP_17 = DK, R, NS) or<br>(CHP_19 = DK, R, NS) or<br>(CHP_21 = DK, R, NS) or<br>(CHP_23 = DK, R, NS) or<br>(CHP_25 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |
|---|---|--|----|

## Problem gambling (6 DVs)

This module assesses gambling activity and problems with gambling. The questionnaire and derived variables are based on the Canadian Problem Gambling Index (CPGI) but a number of modifications made both to the questionnaire and the calculation of the derived variables (described below) means that the results are not directly comparable to the CPGI.

| Temporary Reformat          |                       |  |       |
|-----------------------------|-----------------------|--|-------|
| Value                       | Condition(s)          | Description  | Notes |
| <b>CPGT03</b><br>(CPG_03-1) | (CPG_03 = 1, 2, 3, 4) | Rescale the variables so that the range is from 0 to 3 instead of 1 to 4 |       |
| <b>CPGT04</b><br>(CPG_04-1) | (CPG_04 = 1, 2, 3, 4) | Rescale the variables so that the range is from 0 to 3 instead of 1 to 4 |       |
| <b>CPGT05</b><br>(CPG_05-1) | (CPG_05 = 1, 2, 3, 4) | Rescale the variables so that the range is from 0 to 3 instead of 1 to 4 |       |
| <b>CPGT06</b><br>(CPG_06-1) | (CPG_06 = 1, 2, 3, 4) | Rescale the variables so that the range is from 0 to 3 instead of 1 to 4 |       |
| <b>CPGT07</b><br>(CPG_07-1) | (CPG_07 = 1, 2, 3, 4) | Rescale the variables so that the range is from 0 to 3 instead of 1 to 4 |       |
| <b>CPGT08</b><br>(CPG_08-1) | (CPG_08 = 1, 2, 3, 4) | Rescale the variables so that the range is from 0 to 3 instead of 1 to 4 |       |
| <b>CPGT09</b><br>(CPG_09-1) | (CPG_09 = 1, 2, 3, 4) | Rescale the variables so that the range is from 0 to 3 instead of 1 to 4 |       |
| <b>CPGT10</b><br>(CPG_10-1) | (CPG_10 = 1, 2, 3, 4) | Rescale the variables so that the range is from 0 to 3 instead of 1 to 4 |       |
| <b>CPGT13</b><br>(CPG_13-1) | (CPG_13 = 1, 2, 3, 4) | Rescale the variables so that the range is from 0 to 3 instead of 1 to 4 |       |

### 1 ) Gambling Activity - Gambler vs. Non-gambler

|                       |   |
|-----------------------|---|
| <b>Variable name:</b> | CPGFGAM   |
| <b>Based on:</b>      | CPG_01A, CPG_01B, CPG_01C, CPG_01D, CPG_01E, CPG_01F, CPG_01G, CPG_01H, CPG_01I, CPG_01J, CPG_01K, CPG_01L, CPG_01M   |
| <b>Description:</b>   | This variable categorizes respondents as gamblers or non-gamblers. A non-gambler is defined as someone who has not engaged at all in the past year in any type of the gambling activities listed. A gambler is defined as someone who has engaged in at least one type of gambling activity in the past year. |

| Specifications |              |                                    |       |
|----------------|--------------|------------------------------------|-------|
| Value          | Condition(s) | Description                        | Notes |
| 6              | DOCPG = 2    | Module not selected                | NA    |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview | NS    |

|   |   |  |    |
|---|---|--|----|
| 1 | (1 <= CPG_01A <= 7) or<br>(1 <= CPG_01B <= 7) or<br>(1 <= CPG_01C <= 7) or<br>(1 <= CPG_01D <= 7) or<br>(1 <= CPG_01E <= 7) or<br>(1 <= CPG_01F <= 7) or<br>(1 <= CPG_01G <= 7) or<br>(1 <= CPG_01H <= 7) or<br>(1 <= CPG_01I <= 7) or<br>(1 <= CPG_01J <= 7) or<br>(1 <= CPG_01K <= 7) or<br>(1 <= CPG_01L <= 7) or<br>(1 <= CPG_01M <= 7)                           | Gambler  |    |
| 2 | CPG_01A = 8 and<br>CPG_01B = 8 and<br>CPG_01C = 8 and<br>CPG_01D = 8 and<br>CPG_01E = 8 and<br>CPG_01F = 8 and<br>CPG_01G = 8 and<br>CPG_01H = 8 and<br>CPG_01I = 8 and<br>CPG_01J = 8 and<br>CPG_01K = 8 and<br>CPG_01L = 8 and<br>CPG_01M = 8   | Non-gambler  |    |
| 9 | (CPG_01A = DK, R, NS) or<br>(CPG_01B = DK, R, NS) or<br>(CPG_01C = DK, R, NS) or<br>(CPG_01D = DK, R, NS) or<br>(CPG_01E = DK, R, NS) or<br>(CPG_01F = DK, R, NS) or<br>(CPG_01G = DK, R, NS) or<br>(CPG_01H = DK, R, NS) or<br>(CPG_01I = DK, R, NS) or<br>(CPG_01J = DK, R, NS) or<br>(CPG_01K = DK, R, NS) or<br>(CPG_01L = DK, R, NS) or<br>(CPG_01M = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |

## 2) Problem Gambling Severity Index (PGSI) - Modified Version

**Variable name:** CPGDSEV

**Based on:** CPG\_02, CPG\_03, CPG\_04, CPG\_05, CPG\_06, CPG\_07, CPG\_08, CPG\_09, CPG\_10, CPG\_13, CPGFGAM

**Description:** This variable indicates the level of gambling problems of respondents using a 9 item scale.

**Note:** A modification from the CPGI is that if respondents volunteered in CPGB\_02 that "I am not a gambler", they were not asked the severity questions despite having reported gambling activity in the past 12 months. These respondents are assigned a code of 95 for this variable. In addition, respondents who reported participating in each gambling activity from CPGB\_01B to CPGB\_01M at most 1 to 5 times each during the past year were not asked questions on problem gambling. Finally, gambling activities were regrouped in the questionnaire into fewer categories than used in the original CPGI. Modifications made to the original instrument were approved by Dr. Wynne. Non-gamblers have been excluded from the population. Higher scores indicate more problems associated with gambling.

| Specifications |              |                                    |       |
|----------------|--------------|------------------------------------|-------|
| Value          | Condition(s) | Description                        | Notes |
| 96             | DOCPG = 2    | Module not selected                | NA    |
| 96             | CPGFGAM = 2  | Population exclusions              | NA    |
| 99             | ADM_PRX = 1  | Module not asked - proxy interview | NS    |

|  |   |  |                   |
|--|---|--|-------------------|
| 99   | CPGFGAM = NS or<br>(CPGT03 = DK, R, NS) or<br>(CPGT04 = DK, R, NS) or<br>(CPGT05 = DK, R, NS) or<br>(CPGT06 = DK, R, NS) or<br>(CPGT07 = DK, R, NS) or<br>(CPGT08 = DK, R, NS) or<br>(CPGT09 = DK, R, NS) or<br>(CPGT10 = DK, R, NS) or<br>(CPGT13 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)                 | NS                |
| 95   | CPG_02 = 5  | Does not consider himself a gambler - severity questions not asked                                   |                   |
| 0  | CPGFGAM = 1 and<br>CPG_02 = NA  | Gambled at most 1-5 times a year for each gambling activity mentioned - severity questions not asked |                   |
| CPGT03 +<br>CPGT04 +<br>CPGT05 +<br>CPGT06 +<br>CPGT07 +<br>CPGT08 +<br>CPGT09 +<br>CPGT10 +<br>CPGT13 | (CPGT03 = 0, 1, 2, 3) and<br>(CPGT04 = 0, 1, 2, 3) and<br>(CPGT05 = 0, 1, 2, 3) and<br>(CPGT06 = 0, 1, 2, 3) and<br>(CPGT07 = 0, 1, 2, 3) and<br>(CPGT08 = 0, 1, 2, 3) and<br>(CPGT09 = 0, 1, 2, 3) and<br>(CPGT10 = 0, 1, 2, 3) and<br>(CPGT13 = 0, 1, 2, 3)   | Score obtained on the problem gambling severity index  | (min: 0; max: 27) |

Reference: Modified from the CPGI (Canadian Problem Gambling Index) developed by Harold Wynne and Jackie Ferris. "The Canadian Problem Gambling Index, Final Report." - Final Report, Submitted to the Canadian Centre on Substance Abuse. Jackie Ferris, Harold Wynne.

### 3) Type of Gambler

**Variable name:** CPGDTYP

**Based on:** CPGDSEV, CPGFGAM

**Description:** This variable categorizes respondents based on the severity of their problems associated with gambling.

**Note:** A modification from the CPGI is that if respondents volunteered in CPG\_02 that "I am not a gambler", they were not asked the severity questions despite having reported gambling activity in the past 12 months. These respondents are assigned a code of 95. In addition, respondents who reported participating in each gambling activity from CPG\_01 to CPG\_01M at most 1 to 5 times each during the past year were not asked questions on problem gambling. Finally, gambling activities were regrouped in the questionnaire into fewer categories than used in the original CPGI. Modifications made to the original instrument were approved by Dr. Wynne.

| Specifications |                           |  |       |
|----------------|---------------------------|--|-------|
| Value          | Condition(s)              | Description  | Notes |
| 96             | DOCPG = 2                 | Module not selected  | NA    |
| 99             | ADM_PRX = 1               | Module not asked (proxy interview)   | NS    |
| 99             | CPGDSEV = NS              | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| 95             | CPGDSEV = 95              | Does not consider himself a gambler - severity questions not asked                   |       |
| 1              | CPGFGAM = 2               | Non-gambler  |       |
| 2              | CPGDSEV = 0               | Non-problem gambler  |       |
| 3              | (CPGDSEV = 1, 2)          | Low risk gambler   |       |
| 4              | (CPGDSEV = 3, 4, 5, 6, 7) | Moderate risk gambler  |       |
| 5              | CPGDSEV >= 8              | Problem gambler  |       |

Reference: Modified from the CPGI (Canadian Problem Gambling Index) developed by Harold Wynne and Jackie Ferris. "The Canadian Problem Gambling Index, Final Report." - Final Report, Submitted to the Canadian Centre on Substance Abuse. Jackie Ferris, Harold Wynne.

#### 4) Number of Types of Gambling Activities in the List Used to Calculate CPGI

**Variable name:** CPGDACT

**Based on:** CPG\_01A, CPG\_01B, CPG\_01C, CPG\_01D, CPG\_01E, CPG\_01F, CPG\_01G, CPG\_01H, CPG\_01I, CPG\_01J, CPG\_01K, CPG\_01L, CPG\_01M

**Description:** This variable indicates the number of different types of gambling activities, in the list of gambling activities used to calculate CPGI, in which the respondent participated.

| Temporary Reformat |                     |   |       |
|--------------------|---------------------|---|-------|
| Value              | Condition(s)        | Description   | Notes |
| <b>CPGT01A</b>     |                     |   |       |
| 0                  | CPG_01A = 8         | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |       |
| 1                  | (1 <= CPG_01A <= 7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |       |
| <b>CPGT01B</b>     |                     |   |       |
| 0                  | CPG_01B = 8         | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |       |
| 1                  | (1 <= CPG_01B <= 7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |       |
| <b>CPGT01C</b>     |                     |   |       |
| 0                  | CPG_01C = 8         | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |       |
| 1                  | (1 <= CPG_01C <= 7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |       |
| <b>CPGT01D</b>     |                     |   |       |
| 0                  | CPG_01D = 8         | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |       |
| 1                  | (1 <= CPG_01D <= 7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |       |
| <b>CPGT01E</b>     |                     |   |       |
| 0                  | CPG_01E = 8         | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |       |
| 1                  | (1 <= CPG_01E <= 7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |       |
| <b>CPGT01F</b>     |                     |   |       |
| 0                  | CPG_01F = 8         | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |       |

|                |                   |   |
|----------------|-------------------|---|
| 1              | (1<= CPG_01F <=7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |
| <b>CPGT01G</b> |                   |   |
| 0              | CPG_01G = 8       | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |
| 1              | (1<= CPG_01G <=7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |
| <b>CPGT01H</b> |                   |   |
| 0              | CPG_01H = 8       | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |
| 1              | (1<= CPG_01H <=7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |
| <b>CPGT01I</b> |                   |   |
| 0              | CPG_01I = 8       | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |
| 1              | (1<= CPG_01I <=7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |
| <b>CPGT01J</b> |                   |   |
| 0              | CPG_01J = 8       | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |
| 1              | (1<= CPG_01J <=7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |
| <b>CPGT01K</b> |                   |   |
| 0              | CPG_01K = 8       | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |
| 1              | (1<= CPG_01K <=7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |
| <b>CPGT01L</b> |                   |   |
| 0              | CPG_01L = 8       | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |
| 1              | (1<= CPG_01L <=7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |
| <b>CPGT01M</b> |                   |   |
| 0              | CPG_01M = 8       | Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.      |
| 1              | (1<= CPG_01M <=7) | Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different type of gambling activity participated in. |

## Specifications

| Value | Condition(s) | Description | Notes |
|-------|--------------|-------------|-------|
|-------|--------------|-------------|-------|



|   |   |   |                   |
|---|---|---|-------------------|
| 96  | DOCPG = 2   | Module not selected   | NA                |
| 99  | ADM_PRX = 1   | Module not asked - proxy interview  | NS                |
| 99  | (CPGT01A = DK, R, NS) or<br>(CPGT01B = DK, R, NS) or<br>(CPGT01C = DK, R, NS) or<br>(CPGT01D = DK, R, NS) or<br>(CPGT01E = DK, R, NS) or<br>(CPGT01F = DK, R, NS) or<br>(CPGT01G = DK, R, NS) or<br>(CPGT01H = DK, R, NS) or<br>(CPGT01I = DK, R, NS) or<br>(CPGT01J = DK, R, NS) or<br>(CPGT01K = DK, R, NS) or<br>(CPGT01L = DK, R, NS) or<br>(CPGT01M = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)  | NS                |
| CPGT01A +<br>CPGT01B +<br>CPGT01C +<br>CPGT01D +<br>CPGT01E +<br>CPGT01F +<br>CPGT01G +<br>CPGT01H +<br>CPGT01I +<br>CPGT01J +<br>CPGT01K +<br>CPGT01L +<br>CPGT01M | (CPGT01A = 0, 1) and<br>(CPGT01B = 0, 1) and<br>(CPGT01C = 0, 1) and<br>(CPGT01D = 0, 1) and<br>(CPGT01E = 0, 1) and<br>(CPGT01F = 0, 1) and<br>(CPGT01G = 0, 1) and<br>(CPGT01H = 0, 1) and<br>(CPGT01I = 0, 1) and<br>(CPGT01J = 0, 1) and<br>(CPGT01K = 0, 1) and<br>(CPGT01L = 0, 1) and<br>(CPGT01M = 0, 1)  | Number of different types of gambling activities<br>participated in, in the list used to calculate CPGI,<br>during the previous 12 months | (min: 0; max: 13) |

## 5) Gambling Interference - Mean

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | CPGDINT  |
| <b>Based on:</b>      | CPG_19A, CPG_9B1, CPG_9B2, CPG_19C, CPG_19D  |
| <b>Description:</b>   | This variable indicates the interference that gambling had on daily activities and responsibilities in the past 12 months. This is a mean of the 5 items.        |
| <b>Note:</b>          | Respondents who did not gamble enough or did not indicate problems with gambling were excluded from the population. Higher scores indicate greater interference. |

| Specifications   |   |   |  |
|--|---|---|--|
| Value  | Condition(s)  | Description   | Notes  |
| 99.6   | DOCPG = 2   | Module not selected   | NA   |
| 99.6   | CPG_19A = NA  | Population exclusions   | NA   |
| 99.9   | ADM_PRX = 1   | Module not asked - proxy interview  | NS   |
| 99.9   | (CPG_19A = DK, R, NS) or<br>(CPG_9B1 = DK, R, NS) or<br>(CPG_9B2 = DK, R, NS) or<br>(CPG_19C = DK, R, NS) or<br>(CPG_19D = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)              | NS   |
| ((CPG_19A +<br>CPG_9B1 +<br>CPG_9B2 +<br>CPG_19C +<br>CPG_19D) / 5 | (0 <= CPG_9B1 <= 10) and<br>(0 <= CPG_9B2 <= 10) and<br>(0 <= CPG_19A <= 10) and<br>(0 <= CPG_19C <= 10) and<br>(0 <= CPG_19D <= 10)  | Degree of gambling interference = mean of all 5<br>items<br>(mean value based on all 5 questions) | (Rounded to one<br>decimal place)<br>(min: 0; max: 10.0) |

|  |  |   |  |
|--|--|---|--|
| (CPG_19A +<br>CPG_9B2 +<br>CPG_19C +<br>CPG_19D) / 4 | CPG_9B1 = 11 and<br>(0 <= CPG_9B2 <= 10) and<br>(0 <= CPG_19A <= 10) and<br>(0 <= CPG_19C <= 10) and<br>(0 <= CPG_19D <= 10) | Degree of gambling interference<br>(mean value based on 4 questions)<br>Interference = mean of 4 items that applied<br>CPG_9B1 (ability to attend school was not<br>applicable) | (Rounded to one<br>decimal place)<br>(min: 0; max: 10.0) |
| (CPG_19A +<br>CPG_9B1 +<br>CPG_19C +<br>CPG_19D) / 4 | (0 <= CPG_9B1 <= 10) and<br>CPG_9B2 = 11 and<br>(0 <= CPG_19A <= 10) and<br>(0 <= CPG_19C <= 10) and<br>(0 <= CPG_19D <= 10) | Degree of gambling interference<br>(mean value based on 4 questions)<br>Interference = mean of 4 items that applied<br>CPG_9B2 (ability to work at a job was not applicable)    | (Rounded to one<br>decimal place)<br>(min: 0; max: 10.0) |
| (CPG_19A +<br>CPG_19C +<br>CPG_19D) / 3              | CPG_9B1 = 11 and<br>CPG_9B2 = 11 and<br>(0 <= CPG_19A <= 10) and<br>(0 <= CPG_19C <= 10) and<br>(0 <= CPG_19D <= 10)         | Degree of gambling interference<br>(mean value based on 3 questions)<br>Interference = mean of 3 items that applied<br>CPG_9B1 and CPG_9B2 were not applicable                  | (Rounded to one<br>decimal place)<br>(min: 0; max: 10.0) |

## 6) Flag for Gambling Interference

|                       |   |
|-----------------------|---|
| <b>Variable name:</b> | CPGFIN  |
| <b>Based on:</b>      | CPG_19A, CPG_9B1, CPG_9B2, CPG_19C, CPG_19D   |
| <b>Description:</b>   | This variable indicates the interference that gambling had on daily activities and responsibilities in the past 12 months. This is a threshold that indicates whether gambling interferes significantly with the person's normal routine, occupational (academic) functioning, or social activities or relationships. |
| <b>Note:</b>          | Respondents who did not gamble enough or did not indicate problems with gambling were excluded from the population.   |

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 6              | DOCPG = 2   | Module not selected   | NA    |
| 6              | CPG_19A = NA  | Population exclusions   | NA    |
| 9              | ADM_PRX = 1   | Module not asked - proxy interview  | NS    |
| 1              | (4 <= CPG_19A <= 10) or<br>(4 <= CPG_9B1 <= 10) or<br>(4 <= CPG_9B2 <= 10) or<br>(4 <= CPG_19C <= 10) or<br>(4 <= CPG_19D <= 10)  | Gambling interfered significantly with the normal routine, occupational (academic) functioning, or social activities or relationships in the past 12 months     |       |
| 2              | (0 <= CPG_19A <= 3) and<br>[(0 <= CPG_9B1 <= 3) or<br>CPG_9B1 = 11] and<br>[(0 <= CPG_9B2 <= 3) or<br>CPG_9B2 = 11] and<br>(0 <= CPG_19C <= 3) and<br>(0 <= CPG_19D <= 3) | Gambling did not interfere significantly with the normal routine, occupation (academic) functioning or social activities or relationships in the past 12 months |       |
| 9              | (CPG_19A = DK, R, NS) or<br>(CPG_9B1 = DK, R, NS) or<br>(CPG_9B2 = DK, R, NS) or<br>(CPG_19C = DK, R, NS) or<br>(CPG_19D = DK, R, NS)                                     | At least one required question was not answered<br>(don't know, refusal, not stated)  | NS    |

## Dwelling and household variables (10 DVs)

### 1 ) Age of spouse

**Variable name:** DHHDSAGE

**Based on:** SAMPLEID, PERSONID, DHH\_AGE, RELATIONSHIP

**Description:** This variable indicates the age of a respondent's spouse.

**Note:** Introduced in 2009, this variable is derived by sorting the household roster by SAMPLEID and PERSONID and showing the DHH\_AGE of the PERSONID that have a relationship of spouse with the respondent within each SAMPLEID.

| Specifications  |  |   |                    |
|---|--|---|--------------------|
| Value   | Condition(s)                                 | Description   | Notes              |
| 999   | DHH_MS = 1 or 2 and<br>(DHH_AGE = null)      | Population exclusions   | NS                 |
| 996   | (DHH_MS <> 1 or 2 ) and<br>(DHH_AGE = null ) | Population exclusion  | NA                 |
| DHH_Age of<br>PERSONID<br>(spouse) with<br>each<br>SAMPLEID | (RELATIONSHIP = 10 or 20)                    | Age of respondents spouse. Spouse is defined as husband/wife or common law partner. | (max: current age) |

### 2 ) Number of Persons in Household Less Than 16 Years of Age

**Variable name:** DHHDYKD

**Based on:** PERSONID, DHH\_AGE, RELATIONSHIP

**Description:** This variable indicates the number of people living within a household whose age is less than 16 years old.

**Note:** This variable is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONID's that have a DHH\_AGE value of less than 16 within each SAMPLEID.

| Specifications  |                                |   |                   |
|---|--------------------------------|---|-------------------|
| Value   | Condition(s)                   | Description                               | Notes             |
| Total number<br>of PERSONID'<br>s with each<br>SAMPLEID | DHH_AGE <= 15<br>(Member file) | Number of persons under 16 in a household | (min: 0; max: 40) |

### 3 ) Number of Persons in Household 16 or 17 Years of Age

**Variable name:** DHHDOKD

**Based on:** PERSONID, DHH\_AGE, RELATIONSHIP

**Description:** This variable indicates the number of people living within a household whose age is 16 or 17 years old and whose relationship to at least one adult living within the household is child, grandchild, child-in-law, or niece or nephew.

**Note:** This variable is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONID's that have a DHH\_AGE value of 16 or 17 and whose RELATIONSHIP value of (51, 52, 53, 80, 100, 112 or 123)

within each SAMPLEID.

| Specifications                                |  |   |                   |
|---|--|---|-------------------|
| Value   | Condition(s)   | Description   | Notes             |
| Total number of PERSONID's with each SAMPLEID | DHH_AGE = 16, 17 (Member file) AND<br>RELATIONSHIP = 51, 52, 53, 80, 100, 112, 123<br>(Relation files) | Number of persons aged 16 or 17 in a household whose relationship with at least one adult of the household is child, grandchild, child-in-law, or niece or nephew | (min: 0; max: 40) |

#### 4) Number of Persons in Household Less Than 6 Years of Age

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | DHHDLE5  |
| <b>Based on:</b>      | SAMPLEID, PERSONID, DHH_AGE  |
| <b>Description:</b>   | This variable indicates the number of people living within a household whose age is less than 6 years old.   |
| <b>Note:</b>          | This variable is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONID's that have a DHH_AGE value less than 6 within each SAMPLEID. |

| Specifications                                |                               |  |                   |
|---|-------------------------------|--|-------------------|
| Value   | Condition(s)                  | Description                              | Notes             |
| Total number of PERSONID's with each SAMPLEID | DHH_AGE <= 5<br>(Member file) | Number of persons under 6 in a household | (min: 0; max: 40) |

#### 5) Number of Persons in Household between 6 and 11 Years of Age

|                       |   |
|-----------------------|---|
| <b>Variable name:</b> | DHHD611   |
| <b>Based on:</b>      | SAMPLEID, PERSONID, DHH_AGE   |
| <b>Description:</b>   | This variable indicates the number of people living within a household whose age is between 6 and 11 years old.   |
| <b>Note:</b>          | This variable is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONID's that have a DHH_AGE value from 6 to 11 within each SAMPLEID. |

| Specifications                                |                                       |  |                   |
|---|---------------------------------------|--|-------------------|
| Value   | Condition(s)                          | Description                              | Notes             |
| Total number of PERSONID's with each SAMPLEID | (6 <= DHH_AGE <= 11)<br>(Member file) | Number of persons 6 to 11 in a household | (min: 0; max: 40) |

#### 6) Number of Persons in Household Less Than 12 Years of Age

|                       |   |
|-----------------------|---|
| <b>Variable name:</b> | DHHDL12   |
| <b>Based on:</b>      | SAMPLEID, PERSONID, DHH_AGE   |
| <b>Description:</b>   | This variable indicates the number of people living within a household whose age is less than 12 years old.             |
| <b>Note:</b>          | This variable is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of |

PERSONID's that have a DHH\_AGE value less than 12 within each SAMPLEID.

## Specifications

| Value   | Condition(s)                  | Description                               | Notes             |
|---|-------------------------------|---|-------------------|
| Total number of PERSONID's with each SAMPLEID | DHH_AGE < 12<br>(Member file) | Number of persons under 12 in a household | (min: 0; max: 40) |

## 7) Number of Persons in Household Less than 18 Years of Age

Variable name: DHHDL18

Based on: SAMPLEID, PERSONID, DHH\_AGE, RELATIONSHIP

**Description:** This variable indicates the number of people living within a household whose age is less than 18 and whose relationship to at least one adult living within the household is a child, including step children, adopted children or foster children.

**Note:** Introduced in 2009, this variable is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONID's that have a DHH\_AGE less than 18 and whose RELATIONSHIP value is (51, 52, 53, 80) within each SAMPLEID.

## Specifications

| Value                                       | Condition(s)   | Description  | Notes             |
|---|--|--|-------------------|
| Total number of PERSONID's in each SAMPLEID | DHH_AGE <= 17 (Member file) AND<br>RELATIONSHIP = 51, 52, 53, 80<br>(Relation files) | Number of persons aged less than 18 in a household whose relationship with at least one adult of the household is a child, including step children, adopted children or foster children. | (min: 0; max: 40) |

## 8) Living/Family Arrangement of Selected Respondent

Variable name: DHHDLVG

Based on: DHH\_REL of selected respondent, DHHDSZ

**Description:** This variable identifies the family relationships between the selected respondent and the rest of the household.

**Note:** The necessary data is collected using a set of relationship codes that define a link between each person in a household. All relationships with the selected respondent within each sample (relationship of selected respondent to each other person within the household) are used in creating this variable.

## Temporary Reformat

| Value          | Condition(s)       | Description  | Notes              |
|----------------|--------------------|--|--------------------|
| <b>DHH_REL</b> |                    |  |                    |
| Z1             | NS                 | Not stated   | Relationship Codes |
| A1             | 40, 41, 42, 43     | Parental (40 = Father/Mother, 41 = Birth Father/Mother, 42 = Step Father/Mother, 43 = Adoptive Father/Mother)                            | Relationship Codes |
| B1             | 50, 51, 52, 53     | Child (50 = Son/Daughter, 51 = Birth Child, 52 = Step Child, 53 = Adopted Child)   | Relationship Codes |
| C1             | 60, 61, 62, 63, 64 | Sibling (60 = Brother/Sister, 61 = Full Sister/Brother, 62 = Half Sister/Brother, 63 = Step Sister/Brother, 64 = Adopted Sister/Brother) | Relationship Codes |

|    |   |  |                    |
|----|---|--|--------------------|
| K1 | 90, 100, 110, 111, 112, 113, 114, 120, 121, 122, 123, 124 | Other relative (90 = Grandparent, 100 = Grandchild, 110 = In-Law, 111 = Father/Mother-in-law, 112 = Son/Daughter-in-law, 113 = Brother/Sister-in-law, 114 = Other in-law, 120 = Other Related, 121 = Uncle/Aunt, 122 = Cousin, 123 = Nephew/Niece, 124 = Other Relative) | Relationship Codes |
| L1 | 65, 70, 80, 260, 261, 262, 263                            | Non-relative (65 = Foster Sister/Brother, 70 = Foster Parent, 80 = Foster Child, 260 = Unrelated, 261 = Boyfriend/Girlfriend, 262 = Room-mate, 263 = Other Unrelated)  | Relationship Codes |
| X1 | 10, 20  | Spouse/Partner (10 = Husband/Wife, 20 = Common Law Partner)  | Relationship Codes |

## Specifications

| Value | Condition(s)  | Description  | Notes |
|-------|---|--|-------|
| 99    | Any DHH_REL = Z1  | Not Stated   | NS    |
| 1     | DHHDHSZ = 1   | Unattached individual living alone<br><br>Lives alone<br>(Household size=1)  |       |
| 2     | All DHH_REL <> X1 and A1                                    | Unattached individual living with others<br><br>Lives with others. S/he cannot have a marital/common-law or parental relationship but other relationships such as siblings are allowed |       |
| 3     | DHHDHSZ = 2 and DHH_REL = X1                                | Spouse/partner living with spouse/partner<br><br>Lives with spouse/partner only. (Household size=2)  |       |
| 4     | DHHDHSZ > 2 and One DHH_REL = X1 and all other DHH_REL = A1 | Parent living with spouse/partner and children<br><br>Lives with spouse/partner and child(ren)   |       |
| 5     | All DHH_REL = A1  | Single parent living with children<br><br>Lives with child(ren). No other relationships are permitted  |       |
| 6     | DHHDHSZ = 2 and DHH_REL = B1                                | Child living with a single parent. (Household size=2)  |       |
| 7     | DHHDHSZ > 2 and One DHH_REL = B1 and all other DHH_REL = C1 | Child living with a single parent and siblings   |       |
| 8     | DHHDHSZ = 3 and All DHH_REL = B1                            | Child living with two parents. (Household size=3)  |       |
| 9     | DHHDHSZ > 3 and Two DHH_REL = B1 and all other DHH_REL = C1 | Child living with two parents and siblings   |       |
| 10    | Else  | Other<br><br>Lives in a household composition not classified above   |       |

## 9) Economic Family Status (Household Type)

Variable name: DHHDECF

Based on: DHH\_REL for all PERSONID in SAMPLEID, DHH\_AGE, DHH\_SEX, DHHDHSZ

**Description:** This variable identifies the family relationships within the household. Economic family refers to a group of two or more persons who live in the same dwelling and are related to each other by blood, marriage, common-law or adoption. A couple may be of opposite or same sex. Foster children are included.

**Note:** The necessary data is collected using a set of relationship codes that define a link between each person in a household. All relationships within each sample (relationship of each person in a household to each other person within that household) are used in creating this variable. The variable was based on the ages and reported relationships of each person to all others in the household. The matrix of relationship codes is not placed on the master file. Beginning in 2007, foster children under 18 years of age are now coded to "child".

| Temporary Reformat |   |   |                    |
|--------------------|---|---|--------------------|
| Value              | Condition(s)  | Description   | Notes              |
| <b>DHH_REL</b>     |   |   |                    |
| Z                  | R, NS   | Not stated  | Relationship Codes |
| A                  | 40, 41, 42, 43  | Parental (40 = Father/Mother, 41 = Birth Father/Mother, 42 = Step Father/Mother, 43 = Adoptive Father/Mother)   | Relationship Codes |
| L                  | 60, 61, 62, 63, 64, 65, 70, 80, 90, 100, 110, 111, 112, 113, 114, 120, 121, 122, 123, 124, 260, 261, 262, 263 | Other (60 = Brother/Sister, 61 = Full Sister/Brother, 62 = Half Sister/Brother, 63 = Step Sister/Brother, 64 = Adopted Sister/Brother, 65 = Foster Sister/Brother, 70 = Foster Parent, 80 = Foster Child, 90 = Grandparent, 100 = Grandchild, 110 = In-Law, 111 = Father/Mother-in-law, 112 = Son/Daughter-in-law, 113 = Brother/Sister-in-law, 114 = Other in-law, 120 = Other Related, 121 = Uncle/Aunt, 122 = Cousin, 123 = Nephew/Niece, 124 = Other Relative, 260 = Unrelated, 261 = Boyfriend/Girlfriend, 262 = Room-mate, 263 = Other Unrelated) | Relationship Codes |
| M                  | 50, 51, 52, 53 (sorted by age)  | Child (50 = Son/Daughter, 51 = Birth Child, 52 = Step Child, 53 = Adopted Child)  | Relationship Codes |
| X                  | 10, 20  | Spouse (10 = Husband/Wife, 20 = Common Law Partner)   | Relationship Codes |
| Y                  | 251   | Single  | Relationship Codes |

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 99             | Any DHH_REL = Z  | Not Stated   | NS    |
| 1              | DHHDHSZ = 1  | Unattached Individual<br><br>Unattached individual living alone (Household size=1)   |       |
| 2              | All DHH_REL for all PERSONID in SAMPLEID in (L,Y)  | Unattached Individual Living With Others<br><br>Unattached individuals living together. There cannot be a marital/common-law or parental relationship but other relationships such as siblings are permitted |       |
| 3              | DHHDHSZ = 2 and DHH_REL for both PERSONID in SAMPLEID = X  | Couple Alone<br><br>Married or C/L with no children. No other relationships are permitted. (Household size=2)  |       |
| 4              | DHHDHSZ > 2 and At least 2 PERSONID in SAMPLEID must have an DHH_REL = X and DHH_REL for all PERSONID in SAMPLEID <> A and M | Couple With No Children, Others<br><br>Married or C/L with no children. There can be no parent/child relationships. Other relationships are permitted  |       |

|    |  |  |
|----|--|--|
| 5  | DHHDHSZ > 2 and<br>At least 2 PERSONID in SAMPLEID must have an<br>DHH_REL = X and<br>At least one of which must have an DHH_REL = A.<br>All others PERSONID in SAMPLEID must have<br>DHH_REL = M and of these at least one is<br>DHH_AGE < 25                     | Couple With Children < 25<br><br>Married or C/L couple with at least one partner being<br>the parent of a dependent child. No other<br>relationships are permitted                             |
| 6  | At least 2 PERSONID in SAMPLEID must have an<br>DHH_REL = X and<br>At least one of which must have an DHH_REL = A.<br>At least one other PERSONID in SAMPLEID must<br>have<br>DHH_REL = M with the above PERSONID and of<br>these at least one is DHH_AGE < 25     | Couple With Children < 25, Others<br><br>Married or C/L couple with at least one partner being<br>the parent of one child <25 years old in the<br>household. Other relationships are permitted |
| 7  | DHHDHSZ > 2 and<br>At least 2 PERSONID in SAMPLEID must have an<br>DHH_REL = X and<br>At least one of which must have an DHH_REL = A.<br>All others PERSONID in SAMPLEID must have<br>DHH_REL = M and of these DHH_AGE >= 25                                       | Couple With All Children >=25<br><br>Married or C/L couple with all children >=25 years<br>old. No other relationships are permitted   |
| 8  | DHHDHSZ > 2 and<br>At least 2 PERSONID in SAMPLEID must have an<br>DHH_REL = X and<br>At least one of which must have an DHH_REL = A.<br>At least one other PERSONID in SAMPLEID must<br>have<br>DHH_REL = M with the above PERSONID and of<br>these DHH_AGE >= 25 | Couple With All Children >=25, Others<br><br>Married or C/L couple with all children >=25 years<br>old. Other relationships are permitted  |
| 9  | DHHDHSZ > 1 and<br>One PERSONID in SAMPLEID must have<br>DHH_REL = A and DHH_SEX = 2.<br>All others PERSONID in SAMPLEID must have<br>DHH_REL = M and of these at least one<br>DHH_AGE < 25  | Female Lone Parent With Children < 25<br><br>One child must be <25 years old. No other<br>relationships are permitted.   |
| 10 | DHHDHSZ > 1 and<br>One PERSONID in SAMPLEID must have<br>DHH_REL = A and DHH_SEX = 2.<br>At least one other PERSONID in SAMPLEID must<br>have<br>DHH_REL = M with the above PERSONID and of<br>these at least one DHH_AGE < 25                                     | Female Lone Parent With Children < 25, Others<br><br>One child must be <25 years old. Other<br>relationships are permitted   |
| 11 | DHHDHSZ > 1 and<br>One PERSONID in SAMPLEID must have<br>DHH_REL = A and DHH_SEX = 2.<br>All others PERSONID in SAMPLEID must have<br>DHH_REL = M and of these DHH_AGE >= 25   | Female Lone Parent With All Children >=25<br><br>All children must be >=25 years old. No other<br>relationships are permitted  |
| 12 | DHHDHSZ > 1 and<br>One PERSONID in SAMPLEID must have<br>DHH_REL = A and DHH_SEX = 2.<br>At least one other PERSONID in SAMPLEID must<br>have<br>DHH_REL = M with the above PERSONID and of<br>these DHH_AGE >= 25   | Female Lone Parent With All Children >=25, Others<br><br>All children must be >=25 years old. Other<br>relationships are permitted   |
| 13 | DHHDHSZ > 1 and<br>One PERSONID in SAMPLEID must have<br>DHH_REL = A and DHH_SEX = 1.<br>All others PERSONID in SAMPLEID must have<br>DHH_REL = M and of these at least one<br>DHH_AGE < 25  | Male Lone Parent With Children < 25<br><br>One child must be < 25 years old. No other<br>relationships are permitted   |



|    |  |   |
|----|--|---|
| 14 | DHHDHSZ > 1 and<br>One PERSONID in SAMPLEID must have<br>DHH_REL = A and DHH_SEX = 1.<br>At least one other PERSONID in SAMPLEID must have<br>DHH_REL = M with the above PERSONID and of these at least one DHH_AGE < 25 | Male Lone Parent With Children <25, Others<br><br>One child must be <25 years old. Other relationships are permitted          |
| 15 | DHHDHSZ > 1 and<br>One PERSONID in SAMPLEID must have<br>DHH_REL = A and DHH_SEX = 1.<br>All others PERSONID in SAMPLEID must have<br>DHH_REL = M and of these DHH_AGE >= 25   | Male Lone Parent With All Children >=25<br><br>All children must be >=25 years old. No other relationships are permitted      |
| 16 | DHHDHSZ > 1 and<br>One PERSONID in SAMPLEID must have<br>DHH_REL = A and DHH_SEX = 1.<br>At least one other PERSONID in SAMPLEID must have<br>DHH_REL = M with the above PERSONID and of these DHH_AGE >= 25             | Male Lone Parent With All Children >=25, Others<br><br>All children must be >=25 years old. Other relationships are permitted |
| 17 | Else   | Other Family Type<br><br>All other household types  |

Reference: The standard classification Economic family status now includes foster children under 18 years of age. They were previously classified as persons not in economic families.

## 10) Household Size

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | DHHDHSZ  |
| <b>Based on:</b>      | Based on household roster, SAMPLEID, PERSONID  |
| <b>Description:</b>   | This variable indicates the number of people living within a household.  |
| <b>Note:</b>          | This variable is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONID's within each SAMPLEID. |

| Specifications                                |  |                                  |                   |
|---|--|----------------------------------|-------------------|
| Value   | Condition(s)   | Description                      | Notes             |
| Total number of PERSONID's with each SAMPLEID | Sort the file (Member file) by SAMPLEID and PERSONID | Number of persons in a household | (min: 1; max: 40) |

## Distress (3 DVs)

Both the K10 and K6 scale questions were developed from a pool of 612 questions drawn from existing distress and depression screening scales (Kessler RC, et al, 2002). After eliminating redundant and unclear questions, the remaining questions in the pool were organized to retain items consistent with 15 domains represented in the DSM-III-R diagnoses of major depression and generalized anxiety disorder plus the positive affect domain. These items were eventually reduced to those found in the K6 and K10 through processes involving ratings by an expert advisory panel, and analyses using item response theory of two subsequent pilot surveys. The final K10 and K6 scale questions were generated from the analysis of the telephone pilot survey using factor-analysis (Kessler RC. et al. 2002; [http://www.hcp.med.harvard.edu/ncs/k6\\_scales.php](http://www.hcp.med.harvard.edu/ncs/k6_scales.php))

The effectiveness of the K6 and K10 measurement scales of non-specific psychological distress were subsequently tested in the Australian National Survey of Mental Health and Well-Being against the criteria for the DSM-IV disorders and both scales performed well (Furukawa TA et al. 2003.)

DSM refers to the Diagnostic and Statistical Manual of Mental Disorders used by the American Psychiatric Association. It is an internationally recognized classification of mental disorders with several versions.

| Temporary Reformat              |              |   |       |
|---------------------------------|--------------|---|-------|
| Value                           | Condition(s) | Description   | Notes |
| <b>DIST10A</b><br>(5 – DIS_10A) | DIS_10A <= 5 | Rescale and invert the question answers from 1 to 5 to 4 to 0 |       |
| <b>DIST10B</b><br>(5 – DIS_10B) | DIS_10B <= 5 | Rescale and invert the question answers from 1 to 5 to 4 to 0 |       |
| <b>DIST10C</b><br>(5 – DIS_10C) | DIS_10C <= 5 | Rescale and invert the question answers from 1 to 5 to 4 to 0 |       |
| <b>DIST10D</b><br>(5 – DIS_10D) | DIS_10D <= 5 | Rescale and invert the question answers from 1 to 5 to 4 to 0 |       |
| <b>DIST10E</b><br>(5 – DIS_10E) | DIS_10E <= 5 | Rescale and invert the question answers from 1 to 5 to 4 to 0 |       |
| <b>DIST10F</b><br>(5 – DIS_10F) | DIS_10F <= 5 | Rescale and invert the question answers from 1 to 5 to 4 to 0 |       |
| <b>DIST10G</b><br>(5 – DIS_10G) | DIS_10G <= 5 | Rescale and invert the question answers from 1 to 5 to 4 to 0 |       |
| <b>DIST10H</b><br>(5 – DIS_10H) | DIS_10H <= 5 | Rescale and invert the question answers from 1 to 5 to 4 to 0 |       |
| <b>DIST10I</b><br>(5 – DIS_10I) | DIS_10I <= 5 | Rescale and invert the question answers from 1 to 5 to 4 to 0 |       |
| <b>DIST10J</b><br>(5 – DIS_10J) | DIS_10J <= 5 | Rescale and invert the question answers from 1 to 5 to 4 to 0 |       |

### 1 ) Distress Scale - K6

|                       |   |
|-----------------------|---|
| <b>Variable name:</b> | DISDK6  |
| <b>Based on:</b>      | DIS_10B, DIS_10D, DIS_10E, DIS_10H, DIS_10I, DIS_10J  |
| <b>Description:</b>   | This variable determines the respondent's level of distress using six questions.                                |
| <b>Note:</b>          | This variable is based on 6 items and is known as the K6. Higher scores indicate more distress.                 |
| <b>Internet site:</b> | <a href="http://www.hcp.med.harvard.edu/ncs/k6_scales.php">http://www.hcp.med.harvard.edu/ncs/k6_scales.php</a> |

| Specifications |              |             |       |
|----------------|--------------|-------------|-------|
| Value          | Condition(s) | Description | Notes |
| June 2010      |              |             |       |

|  |   |  |                   |
|--|---|--|-------------------|
| 96   | DISFOPT = 2   | Module not selected  | NA                |
| 99   | ADM_PRX = 1   | Module not asked - proxy interview   | NS                |
| 99   | (DIST10B = DK, R, NS) or<br>(DIST10D = DK, R, NS) or<br>(DIST10E = DK, R, NS) or<br>(DIST10H = DK, R, NS) or<br>(DIST10I = DK, R, NS) or<br>(DIST10J = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                |
| DIST10B +<br>DIST10D +<br>DIST10E +<br>DIST10H +<br>DIST10I +<br>DIST10J | DIST10B <= 4 and<br>DIST10D <= 4 and<br>DIST10E <= 4 and<br>DIST10H <= 4 and<br>DIST10I <= 4 and<br>DIST10J <= 4  | Score obtained on the distress scale (K6)  | (min: 0; max: 24) |

## 2) Chronicity of Distress and Impairment Scale

**Variable name:** DISDCHR

**Based on:** DIS\_10K, DIS\_10L, DIS\_10M

**Description:** This variable classifies respondents according to the frequency of their distress feelings in the last month compared with usual.

**Internet site:** [http://www.hcp.med.harvard.edu/ncs/k6\\_scales.php](http://www.hcp.med.harvard.edu/ncs/k6_scales.php)

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 96             | DISFOPT = 2   | Module not selected  | NA    |
| 99             | ADM_PRX = 1   | Module not asked - proxy interview   | NS    |
| 99             | (DIS_10K = DK, R, NS) or<br>(DIS_10L = DK, R, NS) or<br>(DIS_10M = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| 1              | DIS_10L = 1   | A lot more distress than usual   |       |
| 2              | DIS_10L = 2   | Somewhat more distress than usual  |       |
| 3              | DIS_10L = 3   | A little more distress than usual  |       |
| 4              | DIS_10K = 3   | About the same distress as usual   |       |
| 5              | DIS_10M = 3   | A little less distress than usual  |       |
| 6              | DIS_10M = 2   | Somewhat less distress than usual  |       |
| 7              | DIS_10M = 1   | A lot less distress than usual   |       |
| 8              | DIS_10K = 4   | Never had any distress   |       |

## 3) Distress Scale - K10

**Variable name:** DISDDSX

**Based on:** DIS\_10A, DIS\_10B, DIS\_10C, DIS\_10D, DIS\_10E, DIS\_10F, DIS\_10G, DIS\_10H, DIS\_10I, DIS\_10J

**Description:** This variable determines the respondent's level of distress using ten questions.

**Note:** This variable is based on 10 items and is known as the K10. Higher scores indicate more distress.

**Internet site:** [http://www.hcp.med.harvard.edu/ncs/k6\\_scales.php](http://www.hcp.med.harvard.edu/ncs/k6_scales.php)

| Specifications   |   |  |                   |
|--|---|--|-------------------|
| Value  | Condition(s)  | Description  | Notes             |
| 96   | DISFOPT = 2   | Module not selected  | NA                |
| 99   | ADM_PRX = 1   | Module not asked - proxy interview   | NS                |
| 99   | (DIST10A = DK, R, NS) or<br>(DIST10B = DK, R, NS) or<br>(DIST10C = DK, R, NS) or<br>(DIST10D = DK, R, NS) or<br>(DIST10E = DK, R, NS) or<br>(DIST10F = DK, R, NS) or<br>(DIST10G = DK, R, NS) or<br>(DIST10H = DK, R, NS) or<br>(DIST10I = DK, R, NS) or<br>(DIST10J = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                |
| DIST10A +<br>DIST10B +<br>DIST10C +<br>DIST10D +<br>DIST10E +<br>DIST10F +<br>DIST10G +<br>DIST10H +<br>DIST10I +<br>DIST10J | DIST10A <= 4 and<br>DIST10B <= 4 and<br>DIST10C <= 4 and<br>DIST10D <= 4 and<br>DIST10E <= 4 and<br>DIST10F <= 4 and<br>DIST10G <= 4 and<br>DIST10H <= 4 and<br>DIST10I <= 4 and<br>DIST10J <= 4  | Score obtained on the distress scale (K10)   | (min: 0; max: 40) |

## Depression (4 DVs)

The depression module used in CCHS is based on a long form of the Composite International Diagnostic Interview (CIDI) scale, which was developed in the late 1980s/early 1990s. This scale was never fully validated by the CIDI research team and its psychometric properties are therefore not well understood. Statistics Canada is currently exploring strategies to complete such a validation. At this time, Statistics Canada recommends that analysis of data from this module be restricted to examination of depression as a correlate of other health behaviours and characteristics. For now, use of the data as an indicator for the probability of depression or to calculate simple population prevalence is discouraged.

| Temporary Reformat |   |   |       |
|--------------------|---|---|-------|
| Value              | Condition(s)  | Description   | Notes |
| <b>DPST02</b>      |   |   |       |
| 0                  | DPS_02 = 2  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| DPS_02             | DPS_02 <> 2   | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| <b>DPST05</b>      |   |   |       |
| 0                  | DPS_05 = 2  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| DPS_05             | DPS_05 <> 2   | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| <b>DPST06</b>      |   |   |       |
| 0                  | DPS_06 = 2  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| DPS_06             | DPS_06 <> 2   | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| <b>DPST08A</b>     |   |   |       |
| 0                  | (DPS_07 = 3, 4) or [DPS_07 > 2 or (DPS_08A = DK, R, NS)]  | For DPS_07, answers are rescaled so 0 = respondents whose weight stayed the same or were on a diet  |       |
| 0                  | [DPS_07 <= 2 and (DPS_08A <> DK, R, NS)] and [(DPS_08A <= 9 and DPS_08B = 1) or (DPS_08A <= 4 and DPS_08B = 2)] | For DPS_08A, answers are rescaled so 1 = respondent gained or lost more than 4 kg ( 9 lbs.) and 0 if less or did not lose/gain weight             |       |
| 1                  | [DPS_07 <= 2 and (DPS_08A <> DK, R, NS)] and [(DPS_08A > 9 and DPS_08B = 1) or (DPS_08A > 4 and DPS_08B = 2)]   | For DPS_08A, answers are rescaled so 1 = respondent gained or lost more than 4 kg (9 lbs.) and 0 if less or did not lose/gain weight              |       |
| DPS_08A            | Else  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| <b>DPST10</b>      |   |   |       |
| 0                  | DPS_10 = 3 or DPS_09 = 2  | For DPS_10, answers are rescaled so 1 = respondent had trouble falling asleep every night or nearly every night and 0 if less often or not at all |       |
| 1                  | DPS_10 = 1, 2   | For DPS_10, answers are rescaled so 1 = respondent had trouble falling asleep every night or nearly every night and 0 if less often or not at all |       |
| DPS_10             | Else  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| <b>DPST11</b>      |   |   |       |
| 0                  | DPS_11 = 2  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| DPS_11             | DPS_11 <> 2   | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| <b>DPST12</b>      |   |   |       |
| 0                  | DPS_12 = 2  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| DPS_12             | DPS_12 <> 2   | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| <b>DPST13</b>      |   |   |       |
| 0                  | DPS_13 = 2  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| DPS_13             | DPS_13 <> 2   | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no   |       |
| <b>DPST16</b>      |   |   |       |

|                |   |  |
|----------------|---|--|
| 0              | DPS_16 = 2  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no  |
| DPS_16         | DPS_16 <> 2   | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no  |
| <b>DPST19</b>  |   |  |
| 0              | DPS_19 = 2  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no  |
| DPS_19         | DPS_19 <> 2   | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no  |
| <b>DPST21A</b> |   |  |
| 0              | (DPS_20 = 3, 4) or [DPS_20 > 2 or (DPS_21A = DK, R, NS)]  | For DPS_21, answers are rescaled so 0 = respondents whose weight stayed the same or were on a diet   |
| 0              | [DPS_20 <= 2 and (DPS_21A <> DK, R, NS)] and [(DPS_21A <= 9 and DPS_21B = 1) or (DPS_21A <= 4 and DPS_21B = 2)] | For DPS_21, answers are rescaled so 1 = respondent gained or lost more than 4 kg (9 lbs.) and 0 if less or did not lose/gain weight              |
| 1              | [DPS_20 <= 2 and (DPS_21A <> DK, R, NS)] and [(DPS_21A > 9 and DPS_21B = 1) or (DPS_21A > 4 and DPS_21B = 2)]   | For DPS_21 answers are rescaled so 1 = respondent gained or lost more than 4 kg (9 lbs.) and 0 if less or did not lose/gain weight               |
| DPS_21A        | Else  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no  |
| <b>DPST23</b>  |   |  |
| 0              | DPS_23 = 3 or DPS_22=2  | For DPS_23 answers are rescaled so 1 = respondent had trouble falling asleep every night or nearly every night and 0 if less often or not at all |
| 1              | DPS_23 = 1, 2   | For DPS_23 answers are rescaled so 1 = respondent had trouble falling asleep every night or nearly every night and 0 if less often or not at all |
| <b>DPST24</b>  |   |  |
| 0              | DPS_24 = 2  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no  |
| DPS_24         | DPS_24 <> 2   | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no  |
| <b>DPST25</b>  |   |  |
| 0              | DPS_25 = 2  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no  |
| DPS_25         | DPS_25 <> 2   | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no  |
| <b>DPST26</b>  |   |  |
| 0              | DPS_26 = 2  | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no  |
| DPS_26         | DPS_26 <> 2   | Rescale answers needed for calculation so that answers are 1 for yes and 0 for no  |

## 1 ) Derived Depression Scale - Short Form Score

**Variable name:** DPDSF

**Based on:** DPS\_02, DPS\_05, DPS\_06, DPS\_08A, DPS\_08B, DPS\_10, DPS\_11, DPS\_12, DPS\_13, DPS\_16, DPS\_17, DPS\_18, DPS\_19, DPS\_21A, DPS\_21B, DPS\_23, DPS\_24, DPS\_25, DPS\_26

**Description:** This variable assesses the depression level of respondents who felt depressed or lost interest in things for 2 weeks or more last year. These include normal periods of sadness (for example, after the death of a loved one), as well as "serious" depression.

**Note:** 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 structure diagnostic instrument that was designed to produce diagnoses according to the definitions and the criteria of both DSM-III-R and the Diagnostic Criteria for the Research of the ICD-10. The short-form of MDE used in the CCHS was developed to operationalize Criteria A through C of the DSM-III-R diagnosis of MDE. The diagnostic hierarchy rules defined in the Criterion D (not superimposed on schizophrenia, schizophrenia form disorder, delusional disorders, or psychotic disorders NOS) were ignored.

Higher scores indicate higher level of depression.

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

#### Specifications

| Value   | Condition(s)   | Description   | Notes            |
|---|--|---|------------------|
| 96  | DPSFOPT = 2  | Module not selected   | NA               |
| 99  | ADM_PRX = 1  | Module not asked - proxy interview  | NS               |
| 99  | (DPST02 = DK, R, NS) or<br>(DPST05 = DK, R, NS) or<br>(DPST06 = DK, R, NS) or<br>(DPST08A = DK, R, NS) or<br>(DPST10 = DK, R, NS) or<br>(DPST11 = DK, R, NS) or<br>(DPST12 = DK, R, NS) or<br>(DPST13 = DK, R, NS) or<br>(DPST16 = DK, R, NS) or<br>(DPS_17 = DK, R, NS) or<br>(DPS_18 = DK, R, NS) or<br>(DPST19 = DK, R, NS) or<br>(DPST21A = DK, R, NS) or<br>(DPST23 = DK, R, NS) or<br>(DPST24 = DK, R, NS) or<br>(DPST25 = DK, R, NS) or<br>(DPST26 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)  | NS               |
| 0   | DPST02 < NA and<br>DPST05 = NA and<br>DPST19 = NA  | Did not feel depressed or did not lose interest in<br>things for two weeks last year, or did so only mildly<br>(less than most of day and at least almost everyday<br>for at least two weeks) |                  |
| DPST02 +<br>DPST05 +<br>DPST06 +<br>DPST08A +<br>DPST10 +<br>DPST11 +<br>DPST12 +<br>DPST13 | DPST02 = 1 and<br>(DPST05 = 1, 0) and<br>(DPST06 = 1, 0) and<br>(DPST08A = 1, 0) and<br>(DPST10 = 1, 0) and<br>(DPST11 = 1, 0) and<br>(DPST12 = 1, 0) and<br>(DPST13 = 1, 0)   | Felt depressed for 2 weeks or more last year  | (min: 1; max: 8) |
| DPST16 +<br>DPST19 +<br>DPST21A +<br>DPST23 +<br>DPST24 +<br>DPST25 +<br>DPST26             | DPST16 = 1 and<br>(DPST19 = 1, 0) and<br>(DPST21A = 1, 0) and<br>(DPST23 = 1, 0) and<br>(DPST24 = 1, 0) and<br>(DPST25 = 1, 0) and<br>(DPST26 = 1, 0)  | Lost interest in things for 2 weeks or more last year   | (min: 1; max: 7) |

## 2) Depression Scale - Probability of Caseness to Respondents

**Variable name:** DPSDPP

**Based on:** DPSDSF

**Description:** This variable calculates from the score obtained on the depression scale, the probability (expressed as a proportion) that the respondent would have been diagnosed as having experienced a major depressive episode in the past 12 months, if they had completed the Long-Form Composite International Diagnostic Interview (CIDI).

**Note:** A probability of caseness of 0 was assigned to respondents who denied the stem questions.

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

| Specifications |              |   |       |
|----------------|--------------|---|-------|
| Value          | Condition(s) | Description   | Notes |
| 9.96           | DPSPDSF = NA | Module not selected   | NA    |
| 9.99           | ADM_PRX = 1  | Module not asked - proxy interview  | NS    |
| 9.99           | DPSPDSF = NS | At least one required question was not answered (don't know, refusal, not stated) or module not asked (proxy interview) | NS    |
| 0              | DPSPDSF = 0  | Probability of caseness to respondents  |       |
| 0.05           | DPSPDSF = 1  | Probability of caseness to respondents  |       |
| 0.25           | DPSPDSF = 2  | Probability of caseness to respondents  |       |
| 0.50           | DPSPDSF = 3  | Probability of caseness to respondents  |       |
| 0.80           | DPSPDSF = 4  | Probability of caseness to respondents  |       |
| 0.90           | DPSPDSF > 4  | Probability of caseness to respondents  |       |

### 3) Number of Weeks Feeling Depressed - 12-Months

**Variable name:** DPSPDWK

**Based on:** DPS\_14, DPS\_27

**Description:** This variable indicates the number of weeks the respondent felt depressed in the last 12 months.

**Note:** Respondents who did not show any required signs of depression have been excluded from the population.

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 96             | DPSFOPT = 2   | Module not selected   | NA    |
| 96             | DPS_14 = NA and<br>DPS_27 = NA  | Population exclusions   | NA    |
| 99             | ADM_PRX = 1   | Module not asked - proxy interview  | NS    |
| 99             | (DPS_14 = DK, R, NS) or<br>(DPS_27 = DK, R, NS) or<br>(DPS_08A = DK, R, NS) or<br>(DPS_21A = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| DPS_14         | DPS_14 < NA   | Number of weeks respondent felt sad, blue or depressed in the last year           |       |
| DPS_27         | DPS_14 >= NA and<br>DPS_27 < NA   | Number of weeks respondent lost interest in things in the last year               |       |

### 4) Specific Month Last Felt Depressed

**Variable name:** DPSPDMT

**Based on:** DPS\_14, DPS\_15, DPS\_27, DPS\_28

**Description:** This variable indicates the specific month when the respondent last felt depressed in the last year.

**Note:** The following respondents have been excluded from the population:  
 1) respondents who did not show any required signs of depression; or  
 2) respondents who have been depressed for more than 51 weeks in the past year



| Specifications |   |  |                     |
|----------------|---|--|---------------------|
| Value          | Condition(s)  | Description  | Notes               |
| 96             | DPSFOPT= 2  | Module not selected  | NA                  |
| 96             | DPS_15 = NA and<br>DPS_28 = NA  | Population exclusions  | NA                  |
| 99             | ADM_PRX = 1   | Module not asked - proxy interview   | NS                  |
| 99             | (DPS_14 = 52, DK, R, NS) or<br>(DPS_15 = DK, R, NS) or<br>(DPS_27 = 52, DK, R, NS) or<br>(DPS_28 = DK, R, NS) or<br>(DPS_08A = DK, R, NS) or<br>(DPS_21A = DK, R, NS) | Was depressed for >51 weeks last year or at least one required question was not answered (don't know, refusal, not stated) | NS                  |
| DPS_15         | DPS_14 < 52 and<br>DPS_15 < NA  | Specific month respondent felt sad, blue or depressed for at least 2 weeks in a row  | (min : 1; max : 12) |
| DPS_28         | DPS_14 >= NA and<br>DPS_27 < 52 and<br>DPS_28 < NA  | Specific month respondent last lost interest in things for at least 2 weeks in a row                                       | (min : 1; max : 12) |

## Driving and safety (1 DV)

### 1 ) Passenger Seat Belt Use (Motor Vehicle)

**Variable name:** DRVFSBU

**Based on:** DRV\_08A, DRV\_08B

**Description:** This variable indicates whether the respondent always fastens his/her seatbelt when he/she is a front seat or back seat passenger in a car, truck or van.

**Note:** Those who are never a front-seat and never a rear-set passenger in a car, truck or van are excluded from the population.

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)                                      | Description   | Notes |
| 6              | DRVFOPT = 2                                       | Module not selected   | NA    |
| 9              | ADM_PRX = 1                                       | Module not asked - proxy interview  | NS    |
| 6              | DRV_08A = 5 and<br>DRV_08B = 5                    | Population exclusions   | NA    |
| 1              | (DRV_08A = 1, 5) and<br>(DRV_08B = 1, 5)          | Always fastens seatbelt when a passenger in a private vehicle                     |       |
| 2              | (DRV_08A = 2, 3, 4) or<br>(DRV_08B = 2, 3, 4)     | Does not always fasten seat belt when a passenger in a private vehicle            |       |
| 9              | (DRV_08A = DK, R, NS) or<br>(DRV_08B = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | NS    |

## Dietary supplement use - Vitamins and minerals (1 DV)

### 1 ) Frequency of Consumption of Vitamin or Mineral Supplements

**Variable name:** DSUDCON

**Based on:** DSU\_1A, DSU\_1B, DSU\_1C

**Description:** This variable classifies respondents who consumed vitamin or mineral supplements in the 4 weeks before the interview according to the frequency of their consumption in the week prior to the interview.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 96             | DSUFOPT = 2  | Module not selected  | NA    |
| 99             | ADM_PRX = 1  | Module not asked - proxy interview   | NS    |
| 99             | (DSU_1A = DK, R, NS) or<br>(DSU_1B = DK, R, NS) or<br>(DSU_1C = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| 1              | DSU_1A = 2   | Non-user in last 4 weeks   |       |
| 2              | DSU_1B = 2   | Occasional user in last 4 weeks - less than once a week                              |       |
| 3              | (DSU_1C = 1, 2)  | Regular user in last 4 weeks - 1 to 2 days in last week                              |       |
| 4              | (DSU_1C = 3, 4)  | Regular user in last 4 weeks - 3 to 4 days in last week                              |       |
| 5              | (DSU_1C = 5, 6)  | Regular user in last 4 weeks - 5 to 6 days in last week                              |       |
| 6              | DSU_1C = 7   | Regular user in last 4 weeks - 7 days in last week                                   |       |

## Education (4 DVs)

### 1 ) Highest Level of Education - Household, 4 Levels

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | EDUDH04  |
| <b>Based on:</b>      | EDUDR04 for each member of the household   |
| <b>Description:</b>   | This variable indicates the highest level of education acquired by any member of the household.  |
| <b>Note:</b>          | This variable is derived by temporarily creating EDUDR04 for each member of the household (all PERSONID within SAMPLEID). The highest value is then obtained by comparing values of EDUDR04 for all members within the household. If any PERSONID has EDUDR04 of NS (not stated) then NS is returned. If all of EDUDR04 are NA (not applicable) then NA is returned. |

### 2 ) Highest Level of Education - Household, 10 Levels

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | EDUDH10  |
| <b>Based on:</b>      | EDUDR10 for each member of the household   |
| <b>Description:</b>   | This variable indicates the highest level of education acquired by any member of the household.  |
| <b>Note:</b>          | This variable is derived by temporarily creating EDUDR10 for each member of the household (all PERSONID within SAMPLEID). The highest value is then obtained by comparing values of EDUDR10 for all members within the household. If any PERSONID has EDUDR10 of NS (not stated) then NS is returned. If all of EDUDR10 are NA (not applicable) then NA is returned. |

### 3 ) Highest Level of Education - Respondent, 4 Levels

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | EDUDR04  |
| <b>Based on:</b>      | EDU_1, EDU_2, EDU_3, EDU_4   |
| <b>Description:</b>   | This variable indicates the highest level of education acquired by the respondent. |

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 1              | [(EDU_1 = 1, 2) or<br>EDU_2 = 2] and<br>EDU_3 = 2                       | Less than secondary school graduation   |       |
| 2              | EDU_2 = 1 and<br>EDU_3 = 2  | Secondary school graduation, no post-secondary education                          |       |
| 3              | EDU_4 = 1   | Some post-secondary education   |       |
| 4              | (2 <= EDU_4 <= 6)   | Post-secondary degree/diploma   |       |
| 9              | (EDU_2 = DK, R, NS) or<br>(EDU_3 = DK, R, NS) or<br>(EDU_4 = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | NS    |

#### 4 ) Highest Level of Education - Respondent, 10 Levels

**Variable name:** EDUDR10

**Based on:** EDU\_1, EDU\_2, EDU\_3, EDU\_4

**Description:** This variable indicates the highest level of education acquired by the respondent.

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)   | Description   | Notes |
| 1              | EDU_1 = 1 and<br>EDU_3 = 2   | Grade 8 or lower<br>(Québec: Secondary II or lower)   |       |
| 2              | EDU_1 = 2 and<br>EDU_3 = 2   | Grade 9-10<br>(Québec: Secondary III or IV; Newfoundland & Labrador: 1st year of secondary) |       |
| 3              | EDU_1 = 3 and<br>EDU_2 = 2 and<br>EDU_3 = 2  | Grade 11-13<br>(Québec: Secondary V; Newfoundland & Labrador: 2nd to 4th year of secondary) |       |
| 4              | EDU_2 = 1 and<br>EDU_3 = 2   | Secondary school graduate, no post-secondary education                                      |       |
| 5              | EDU_4 = 1  | Some post secondary education   |       |
| 6              | EDU_4 = 2  | Trade certificate or diploma from a vocational school or apprenticeship training            |       |
| 7              | EDU_4 = 3  | Non-university certificate or diploma from a community college, CEGEP, etc.                 |       |
| 8              | EDU_4 = 4  | University certificate below bachelor's level   |       |
| 9              | EDU_4 = 5  | Bachelor's degree   |       |
| 10             | EDU_4 = 6  | University degree or certificate above bachelor's degree                                    |       |
| 99             | [(EDU_1 = DK, R, NS) and<br>EDU_2 = 2] or<br>(EDU_2 = DK, R, NS) or<br>(EDU_3 = DK, R, NS) or<br>(EDU_4 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)        | NS    |

## Food choices (3 DVs)

### 1 ) Avoids Certain Foods for Certain Content Reasons

**Variable name:** FDCFAVD

**Based on:** FDC\_3A, FDC\_3B, FDC\_3C, FDC\_3D, FDC\_3E

**Description:** This variable indicates whether the respondent avoids certain foods because of concerns about fat, the type of fat, salt, cholesterol or calorie content.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 6              | DOFDC = 2  | Module not selected  | NA    |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview   | NS    |
| 2              | FDC_3A = 2 and<br>FDC_3B = 2 and<br>FDC_3C = 2 and<br>FDC_3D = 2 and<br>FDC_3E = 2   | Does not avoid certain foods because of concerns about fat, the type of fat, salt, cholesterol and calorie content |       |
| 1              | FDC_3A = 1 or<br>FDC_3B = 1 or<br>FDC_3C = 1 or<br>FDC_3D = 1 or<br>FDC_3E = 1   | Avoids certain foods because of concerns about fat, the type of fat, salt, cholesterol or calorie content          |       |
| 9              | (FDC_3A = DK, R, NS) or<br>(FDC_3B = DK, R, NS) or<br>(FDC_3C = DK, R, NS) or<br>(FDC_3D = DK, R, NS) or<br>(FDC_3E = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated)                                  | NS    |

### 2 ) Chooses or Avoids Certain Foods Because of Certain Health Concerns

**Variable name:** FDCFAH

**Based on:** FDC\_1A, FDC\_1B, FDC\_1C, FDC\_1D

**Description:** This variable indicates whether the respondent chooses or avoids certain types of foods because of one or more of the following health concerns: body weight, heart disease, cancer, and osteoporosis.

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)   | Description   | Notes |
| 6              | DOFDC = 2  | Module not selected   | NA    |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview  | NS    |
| 2              | FDC_1A = 2 and<br>FDC_1B = 2 and<br>FDC_1C = 2 and<br>FDC_1D = 2 | Does not choose or avoid certain foods because of health concerns related to body weight, heart disease, cancer, osteoporosis |       |
| 1              | FDC_1A = 1 or<br>FDC_1B = 1 or<br>FDC_1C = 1 or<br>FDC_1D = 1    | Choose or avoids certain foods because of health concerns related to body weight, heart disease, cancer or osteoporosis       |       |

|   |   |  |    |
|---|---|--|----|
| 9 | (FDC_1A = DK, R, NS) or<br>(FDC_1B = DK, R, NS) or<br>(FDC_1C = DK, R, NS) or<br>(FDC_1D = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |
|---|---|--|----|

### 3) Chooses Certain Foods for Certain Content Reasons

**Variable name:** FDCFCHO

**Based on:** FDC\_2A, FDC\_2B, FDC\_2C

**Description:** This variable indicates whether the respondent chooses certain foods because of concerns about fat, fibre, or calcium content.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 6              | DOFDC = 2  | Module not selected  | NA    |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview   | NS    |
| 2              | FDC_2A = 2 and<br>FDC_2B = 2 and<br>FDC_2C = 2                             | Does not choose certain foods because of concerns about fat, fibre and calcium content |       |
| 1              | FDC_2A = 1 or<br>FDC_2B = 1 or<br>FDC_2C = 1                               | Chooses certain foods because of concerns about fat, fibre or calcium content          |       |
| 9              | (FDC_2A = DK, R, NS) or<br>(FDC_2B = DK, R, NS) or<br>(FDC_2C = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)   | NS    |

## Food security (3 DVs)

| Temporary Reformat   |                                   |   |                   |
|--|-----------------------------------|---|-------------------|
| Value  | Condition(s)                      | Description   | Notes             |
| <b>DHHTDKS</b>   |                                   |   |                   |
| 0  | DHHDYKD = 0 and DHHOKD = 0        | Set value to 0 to indicate households WITHOUT children (aged less than 18)  |                   |
| 1  | DHHDYKD <> 0 or DHHOKD <> 0       | Set value to 1 to indicate households WITH children (aged less than 18)   |                   |
| <b>FSCASUM</b>   |                                   |   |                   |
| FSCT020 +<br>FSCT030 +<br>FSCT040 +<br>FSCT080 +<br>FSCT081 +<br>FSCT090 +<br>FSCT100 +<br>FSCT110 +<br>FSCT120 +<br>FSCT121 | All                               | Sum of all temporary variables for adults to be used in determining the level of household food insecurity<br><br>Total will range from 0 to 10.  | (Min: 0; Max: 10) |
| <b>FSCCSUM</b>   |                                   |   |                   |
| FSCT050 +<br>FSCT060 +<br>FSCT070 +<br>FSCT130 +<br>FSCT140 +<br>FSCT141 +<br>FSCT150 +<br>FSCT160                           | All                               | Sum of all temporary variables for children to be used in determining the level of household food insecurity<br><br>Total will range from 0 to 8.   | (Min: 0; Max: 8)  |
| <b>FSCT020</b>   |                                   |   |                   |
| 0  | (FSC_020 = 3) and DOFSC = 1       | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above. |                   |
| 1  | (FSC_020 = 1 or 2) and DOFSC = 1  | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above. |                   |
| <b>FSCT030</b>   |                                   |   |                   |
| 0  | (FSC_030 = 3) and DOFSC = 1       | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above. |                   |
| 1  | (FSC_030 = 1 or 2) and DOFSC = 1  | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above. |                   |
| <b>FSCT040</b>   |                                   |   |                   |
| 0  | (FSC_040 = 3) and DOFSC = 1       | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above. |                   |
| 1  | (FSC_040 = 1 or 2) and DOFSC = 1  | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above. |                   |
| <b>FSCT050</b>   |                                   |   |                   |
| 0  | (FSC_050 = 3 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above. |                   |
| 1  | (FSC_050 = 1 or 2) and DOFSC = 1  | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above. |                   |



**FSCT060**

|   |                                   |  |
|---|-----------------------------------|--|
| 0 | (FSC_060 = 3 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1 | (FSC_060 = 1 or 2) and DOFSC = 1  | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |

**FSCT070**

|   |                                   |  |
|---|-----------------------------------|--|
| 0 | (FSC_070 = 3 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1 | (FSC_070 = 1 or 2) and DOFSC = 1  | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |

**FSCT080**

|   |                                   |  |
|---|-----------------------------------|--|
| 0 | (FSC_080 = 2 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1 | ( FSC_080 = 1) and DOFSC = 1      | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |

**FSCT081**

|   |                                   |  |
|---|-----------------------------------|--|
| 0 | (FSC_081 = 3 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1 | (FSC_081 = 1 or 2) and DOFSC = 1  | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |

**FSCT090**

|   |                                   |  |
|---|-----------------------------------|--|
| 0 | (FSC_090 = 2 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1 | (FSC_090 = 1) and DOFSC = 1       | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |

**FSCT100**

|   |                                   |  |
|---|-----------------------------------|--|
| 0 | (FSC_100 = 2 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1 | (FSC_100 = 1) and DOFSC = 1       | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |

**FSCT110**

|   |                                   |  |
|---|-----------------------------------|--|
| 0 | (FSC_110 = 2 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1 | (FSC_110 = 1) and DOFSC = 1       | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |

**FSCT120**

|                |                                   |  |
|----------------|-----------------------------------|--|
| 0              | (FSC_120 = 2 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1              | (FSC_120 = 1) and DOFSC = 1       | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| <b>FSCT121</b> |                                   |  |
| 0              | (FSC_121 = 3 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1              | (FSC_121 = 1 or 2) and DOFSC = 1  | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| <b>FSCT130</b> |                                   |  |
| 0              | (FSC_130 = 2 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1              | (FSC_130 = 1) and DOFSC = 1       | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| <b>FSCT140</b> |                                   |  |
| 0              | (FSC_140 = 2 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1              | (FSC_140 = 1) and DOFSC = 1       | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| <b>FSCT141</b> |                                   |  |
| 0              | (FSC_141 = 3 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1              | (FSC_141 = 1 or 2) and DOFSC = 1  | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| <b>FSCT150</b> |                                   |  |
| 0              | (FSC_150 = 2 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1              | (FSC_150 = 1) and DOFSC = 1       | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| <b>FSCT160</b> |                                   |  |
| 0              | (FSC_160 = 2 or NA) and DOFSC = 1 | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |
| 1              | (FSC_160 = 1) and DOFSC = 1       | Set the value to 0 if respondent did not provide an "affirmative" response to food security questions.<br>Set the value to 1, if respondent did provide an "affirmative" response. See note above. |

## 1 ) Household Food Security Status - Modified version

**Variable name:** FSCDHFS2

**Based on:** FSC\_020, FSC\_030, FSC\_040, FSC\_050, FSC\_060, FSC\_070, FSC\_080, FSC\_081, FSC\_090, FSC\_100, FSC\_110, FSC\_120, FSC\_121, FSC\_130, FSC\_140, FSC\_141, FSC\_150, FSC\_160

**Description:** This variable is based on a set of 18 questions and indicates whether households both with and without children were able to afford the food they needed in the previous 12 months. It captures three kinds of situations:

- 1- Food secure: No, or one, indication of difficulty with income-related food access.
- 2- Moderately food insecure: Indication of compromise in quality and/or quantity of food consumed.
- 3- Severely food insecure: Indication of reduced food intake and disrupted eating patterns.

This variable is adopted from the Health Canada model of food security status.

**Note:** Households with children are defined as households with individuals who are either aged 15 or less (DHHDYKD=1), or aged 16 or 17 (DHHDOKD=1) and who are the child, grandchild, child-in-law, niece or nephew of another household member.

In order to determine household food security status, responses to each question are first coded as either "affirmative" or "negative". Some of this coding is obvious because the only response options are "yes" or "no". For questions with less obvious response categories, the procedure for coding is as follows: response categories such as "Often true", "Sometimes true", "Almost every month", "Some months but not every month" are coded as "affirmative" (i.e. coded equal to 1). Response categories such as "Never true", "Only 1 or 2 months" are coded as "negative" (i.e. coded equal to 0).

In 2009, an error in the model was corrected. Please see the Canadian Community Health Survey Errata for more information.

**Internet site:** [www.hc-sc.gc.ca/fn-an/surveill/nutrition/commun/index\\_e.html](http://www.hc-sc.gc.ca/fn-an/surveill/nutrition/commun/index_e.html)

#### Specifications

| Value | Condition(s)  | Description  | Notes |
|-------|---|--|-------|
| 6     | DOFSC = 2   | Module not selected  | NA    |
| 9     | (FSC_020 = DK, R, NS) or<br>(FSC_030 = DK, R, NS) or<br>(FSC_040 = DK, R, NS) or<br>(FSC_050 = DK, R, NS) or<br>(FSC_060 = DK, R, NS) or<br>(FSC_070 = DK, R, NS) or<br>(FSC_080 = DK, R, NS) or<br>(FSC_081 = DK, R, NS) or<br>(FSC_090 = DK, R, NS) or<br>(FSC_100 = DK, R, NS) or<br>(FSC_110 = DK, R, NS) or<br>(FSC_120 = DK, R, NS) or<br>(FSC_121 = DK, R, NS) or<br>(FSC_130 = DK, R, NS) or<br>(FSC_140 = DK, R, NS) or<br>(FSC_141 = DK, R, NS) or<br>(FSC_150 = DK, R, NS) or<br>(FSC_160 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| 0     | [DHHTDKS = 1 and<br>(0 <= FSCASUM <= 1) and<br>(0 <= FSCCSUM <= 1)] or [DHHTDKS = 0 and<br>(0 <= FSCASUM <= 1)]   | Food secure  |       |
| 1     | [DHHTDKS = 1 and<br>(2 <= FSCASUM <= 5) and<br>(2 <= FSCCSUM <= 4)] or<br>[DHHTDKS = 1 and<br>(((2 <= FSCASUM <= 5) and (FSCCSUM <= 4)) or<br>((FSCASUM <= 5) and (2 <= FSCCSUM <= 4)))]<br>or [DHHTDKS = 0 and<br>(2 <= FSCASUM <= 5)]   | Moderately food insecure   |       |
| 2     | [DHHTDKS = 1 and<br>(6 <= FSCASUM <= 10) or<br>(5 <= FSCCSUM <= 8)] or<br>[DHHTDKS = 0 and<br>(6 <= FSCASUM <= 10)]   | Severely food insecure   |       |

Reference: The model for FSCDHFS2 is adopted from the Health Canada model of food security status levels published by Health Canada in 2007. For more information about this model, please see The Office of Nutrition Policy and Promotion, Health Canada, "Canadian Community Health Survey, Cycle 2.2, Nutrition (2004)-Income-Related Household Food Security in Canada".

## 2) Household Food Security Status - Households without children (Less than 18 years of age)

|                       |   |
|-----------------------|---|
| <b>Variable name:</b> | FSCDAFS   |
| <b>Based on:</b>      | FSC_020, FSC_030, FSC_040, FSC_080, FSC_081, FSC_090, FSC_100, FSC_110, FSC_120, FSC_121  |
| <b>Description:</b>   | <p>This variable is based on a set of 10 questions and indicates whether households without children (aged less than 18) were able to afford the food they needed in the previous 12 months. It captures three kinds of situations:</p> <p>1- Food secure: No, or one, indication of difficulty with income-related food access.<br/> 2- Moderately food insecure: Indication of compromise in quality and/or quantity of food consumed.<br/> 3- Severely food insecure: Indication of reduced food intake and disrupted eating patterns.</p> <p>This variable is adopted from the Health Canada model of food security status.</p> |
| <b>Note:</b>          | This derived variable was introduced in 2009.   |
| <b>Internet site:</b> | <a href="http://www.hc-sc.gc.ca/fn-an/surveill/nutrition/commun/index_e.html">www.hc-sc.gc.ca/fn-an/surveill/nutrition/commun/index_e.html</a>  |

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 6              | DHHTDKS = 1   | Population exclusions (households with children <18)                              | NA    |
| 6              | DOFSC = 2   | Module not selected   | NA    |
| 9              | (FSC_020 = DK, R, NS) or<br>(FSC_030 = DK, R, NS) or<br>(FSC_040 = DK, R, NS) or<br>(FSC_080 = DK, R, NS) or<br>(FSC_081 = DK, R, NS) or<br>(FSC_090 = DK, R, NS) or<br>(FSC_100 = DK, R, NS) or<br>(FSC_110 = DK, R, NS) or<br>(FSC_120 = DK, R, NS) or<br>(FSC_121 = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| 0              | (DHHTDKS = 0) and<br>(0 <= FSCASUM <= 1)  | Food secure (households without children < 18)                                    |       |
| 1              | (DHHTDKS = 0) and<br>(2 <= FSCASUM <= 5)  | Moderately food insecure (households without children < 18)                       |       |
| 2              | (DHHTDKS = 0) and<br>(6 <= FSCASUM <= 10)   | Severely food insecure (households without children < 18)                         |       |

Reference: The model for FSCDAFS is adopted from the Health Canada model of food security status levels published by Health Canada in 2007. For more information about this model, please see The Office of Nutrition Policy and Promotion, Health Canada, "Canadian Community Health Survey, Cycle 2.2, Nutrition (2004)-Income-Related Household Food Security in Canada".

## 3) Household Food Security Status - Households with children (aged less than 18)

|                       |   |
|-----------------------|---|
| <b>Variable name:</b> | FSCDCFS   |
| <b>Based on:</b>      | FSC_020, FSC_030, FSC_040, FSC_050, FSC_060, FSC_070, FSC_080, FSC_081, FSC_090, FSC_100, FSC_110, FSC_120, FSC_121, FSC_130, FSC_140, FSC_141, FSC_150, FSC_160  |
| <b>Description:</b>   | <p>This variable is based on a set of 18 questions and indicates whether households with children aged less than 18 were able to afford the food they needed in the previous 12 months. It captures three kinds of situations:</p> <p>1- Food secure: No, or one, indication of difficulty with income-related food access.<br/> 2- Moderately food insecure: Indication of compromise in quality and/or quantity of food consumed.</p> |

3- Severely food insecure: Indication of reduced food intake and disrupted eating patterns.

This variable is adopted from the Health Canada model of food security status.

**Note:** Households with children are defined as households with individuals who are either aged 15 or less (DHHDYKD=1), or aged 16 or 17 (DHHDOKD=1) and who are the child, grandchild, child-in-law, niece or nephew of another household member.

**Internet site:** [www.hc-sc.gc.ca/fn-an/surveill/nutrition/commun/index\\_e.html](http://www.hc-sc.gc.ca/fn-an/surveill/nutrition/commun/index_e.html)

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 6              | DHHTDKS = 0   | Population exclusions (households without children less than 18 years of age)     | NA    |
| 6              | DOFSC = 2   | Module not selected   | NA    |
| 9              | (FSC_020 = DK, R, NS) or<br>(FSC_030 = DK, R, NS) or<br>(FSC_040 = DK, R, NS) or<br>(FSC_050 = DK, R, NS) or<br>(FSC_060 = DK, R, NS) or<br>(FSC_070 = DK, R, NS) or<br>(FSC_080 = DK, R, NS) or<br>(FSC_081 = DK, R, NS) or<br>(FSC_090 = DK, R, NS) or<br>(FSC_100 = DK, R, NS) or<br>(FSC_110 = DK, R, NS) or<br>(FSC_120 = DK, R, NS) or<br>(FSC_121 = DK, R, NS) or<br>(FSC_130 = DK, R, NS) or<br>(FSC_140 = DK, R, NS) or<br>(FSC_141 = DK, R, NS) or<br>(FSC_150 = DK, R, NS) or<br>(FSC_160 = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| 0              | [DHHTDKS = 1 and<br>(0 <= FSCASUM <= 1) and<br>(0 <= FSCCSUM <= 1)]   | Food secure (households with children < 18)                                       |       |
| 1              | [DHHTDKS = 1 and<br>(2 <= FSCASUM <= 5) and<br>(2 <= FSCCSUM <= 4)] or<br>[DHHTDKS = 1 and<br>(((2 <= FSCASUM <= 5) and (FSCCSUM <= 4)) or<br>((FSCASUM <= 5) and (2 <= FSCCSUM <= 4)))]  | Moderately food insecure (households with children < 18)                          |       |
| 2              | [DHHTDKS = 1 and<br>(6 <= FSCASUM <= 10) or<br>(5 <= FSCCSUM <= 8)]   | Severely food insecure (households with children < 18)                            |       |

Reference: The model for FSCDCFS is adopted from the Health Canada model of food security status levels published by Health Canada in 2007. For more information about this model, please see The Office of Nutrition Policy and Promotion, Health Canada, "Canadian Community Health Survey, Cycle 2.2, Nutrition (2004)-Income-Related Household Food Security in Canada".

## Fruit and vegetable consumption (8 DVs)

### 1 ) Daily Consumption - Fruit Juice

**Variable name:** FVCDJUI

**Based on:** FVC\_1A, FVC\_1B, FVC\_1C, FVC\_1D, FVC\_1E

**Description:** This variable indicates the usual number of times per day the respondent drinks fruit juice.

**Note:** The CCHS measures the number of times (frequency), not the amount consumed.

| Specifications |  |  |                                |
|----------------|--|--|--------------------------------|
| Value          | Condition(s)   | Description  | Notes                          |
| 999.9          | ADM_PRX = 1  | Module not asked - proxy interview   | NS                             |
| 999.9          | (FVC_1A = DK, R, NS) or<br>(FVC_1B = DK, R, NS) or<br>(FVC_1C = DK, R, NS) or<br>(FVC_1D = DK, R, NS) or<br>(FVC_1E = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                             |
| FVC_1B         | FVC_1A = 1   | Number of times/day  |                                |
| FVC_1C / 7     | FVC_1A = 2   | Number of times/day<br>(reported "times per week")                                   | (rounded to one decimal place) |
| FVC_1D / 30    | FVC_1A = 3   | Number of times/day<br>(reported "times per month")                                  | (rounded to one decimal place) |
| FVC_1E / 365   | FVC_1A = 4   | Number of times/day<br>(reported "times per year")                                   | (rounded to one decimal place) |
| 0              | FVC_1A = 5   | Never drinks fruit juice   |                                |

### 2 ) Daily Consumption - Other Fruit

**Variable name:** FVCDFRU

**Based on:** FVC\_2A, FVC\_2B, FVC\_2C, FVC\_2D, FVC\_2E

**Description:** This variable indicates the usual number of times per day the respondent consumes fruit, excluding fruit juices.

**Note:** The CCHS measures the number of times (frequency), not the amount consumed.

| Specifications |  |  |                                |
|----------------|--|--|--------------------------------|
| Value          | Condition(s)   | Description  | Notes                          |
| 999.9          | ADM_PRX = 1  | Module not asked - proxy interview   | NS                             |
| 999.9          | (FVC_2A = DK, R, NS) or<br>(FVC_2B = DK, R, NS) or<br>(FVC_2C = DK, R, NS) or<br>(FVC_2D = DK, R, NS) or<br>(FVC_2E = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                             |
| FVC_2B         | FVC_2A = 1   | Number of times/day  |                                |
| FVC_2C / 7     | FVC_2A = 2   | Number of times/day<br>(reported "times per week")                                   | (rounded to one decimal place) |
| FVC_2D / 30    | FVC_2A = 3   | Number of times/day<br>(reported "times per month")                                  | (rounded to one decimal place) |

|              |            |  |                                |
|--------------|------------|--|--------------------------------|
| FVC_2E / 365 | FVC_2A = 4 | Number of times/day<br>(reported "times per year") | (rounded to one decimal place) |
| 0            | FVC_2A = 5 | Never eats fruit                                   |                                |

### 3) Daily Consumption - Green Salad

**Variable name:** FVCDSAL

**Based on:** FVC\_3A, FVC\_3B, FVC\_3C, FVC\_3D, FVC\_3E

**Description:** This variable indicates the usual number of times per day the respondent consumes green salad.

**Note:** The CCHS measures the number of times (frequency), not the amount consumed.

| Specifications |  |  |                                |
|----------------|--|--|--------------------------------|
| Value          | Condition(s)   | Description  | Notes                          |
| 999.9          | ADM_PRX = 1  | Module not asked - proxy interview   | NS                             |
| 999.9          | (FVC_3A = DK, R, NS) or<br>(FVC_3B = DK, R, NS) or<br>(FVC_3C = DK, R, NS) or<br>(FVC_3D = DK, R, NS) or<br>(FVC_3E = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                             |
| FVC_3B         | FVC_3A = 1   | Number of times/day  |                                |
| FVC_3C / 7     | FVC_3A = 2   | Number of times/day<br>(reported "times per week")                                   | (rounded to one decimal place) |
| FVC_3D / 30    | FVC_3A = 3   | Number of times/day<br>(reported "times per month")                                  | (rounded to one decimal place) |
| FVC_3E / 365   | FVC_3A = 4   | Number of times/day<br>(reported "times per year")                                   | (rounded to one decimal place) |
| 0              | FVC_3A = 5   | Never eats green salad   |                                |

### 4) Daily Consumption - Potatoes

**Variable name:** FVCDPOT

**Based on:** FVC\_4A, FVC\_4B, FVC\_4C, FVC\_4D, FVC\_4E

**Description:** This variable indicates the usual number of times per day the respondent consumes potatoes, excluding French fries, fried potatoes, or potato chips.

**Note:** The CCHS measures the number of times (frequency), not the amount consumed.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 999.9          | ADM_PRX = 1  | Module not asked - proxy interview   | NS    |
| 999.9          | (FVC_4A = DK, R, NS) or<br>(FVC_4B = DK, R, NS) or<br>(FVC_4C = DK, R, NS) or<br>(FVC_4D = DK, R, NS) or<br>(FVC_4E = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| FVC_4B         | FVC_4A = 1   | Number of times/day  |       |

|              |            |   |                                |
|--------------|------------|---|--------------------------------|
| FVC_4C / 7   | FVC_4A = 2 | Number of times/day<br>(reported "times per week")  | (rounded to one decimal place) |
| FVC_4D / 30  | FVC_4A = 3 | Number of times/day<br>(reported "times per month") | (rounded to one decimal place) |
| FVC_4E / 365 | FVC_4A = 4 | Number of times/day<br>(reported "times per year")  | (rounded to one decimal place) |
| 0            | FVC_4A = 5 | Never eats potatoes                                 |                                |

## 5) Daily Consumption - Carrots

**Variable name:** FVDCAR

**Based on:** FVC\_5A, FVC\_5B, FVC\_5C, FVC\_5D, FVC\_5E

**Description:** This variable indicates the usual number of times per day the respondent consumes carrots.

**Note:** The CCHS measures the number of times (frequency), not the amount consumed.

| Specifications |  |  |                                |
|----------------|--|--|--------------------------------|
| Value          | Condition(s)   | Description  | Notes                          |
| 999.9          | ADM_PRX = 1  | Module not asked - proxy interview   | NS                             |
| 999.9          | (FVC_5A = DK, R, NS) or<br>(FVC_5B = DK, R, NS) or<br>(FVC_5C = DK, R, NS) or<br>(FVC_5D = DK, R, NS) or<br>(FVC_5E = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                             |
| FVC_5B         | FVC_5A = 1   | Number of times/day  |                                |
| FVC_5C / 7     | FVC_5A = 2   | Number of times/day<br>(reported "times per week")                                   | (rounded to one decimal place) |
| FVC_5D / 30    | FVC_5A = 3   | Number of times/day<br>(reported "times per month")                                  | (rounded to one decimal place) |
| FVC_5E / 365   | FVC_5A = 4   | Number of times/day<br>(reported "times per year")                                   | (rounded to one decimal place) |
| 0              | FVC_5A = 5   | Never eats carrots   |                                |

## 6) Daily Consumption - Other Vegetables

**Variable name:** FVCDVEG

**Based on:** FVC\_6A, FVC\_6B, FVC\_6C, FVC\_6D, FVC\_6E

**Description:** This variable indicates the respondent's usual daily consumption of other vegetables, excluding carrots, potatoes, or salad. Respondents are asked to report in 'servings' rather than 'times' so that all different fruits or vegetables eaten at the same meal are counted. Servings should not be interpreted as referring to a specific quantity.

**Note:** In this question, the CCHS measures the number of servings, not the amount consumed.

| Specifications |              |                                   |       |
|----------------|--------------|-----------------------------------|-------|
| Value          | Condition(s) | Description                       | Notes |
| 999.9          | ADM_PRX = 1  | Module not asked -proxy interview | NS    |



|              |  |  |                                |
|--------------|--|--|--------------------------------|
| 999.9        | (FVC_6A = DK, R, NS) or<br>(FVC_6B = DK, R, NS) or<br>(FVC_6C = DK, R, NS) or<br>(FVC_6D = DK, R, NS) or<br>(FVC_6E = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                             |
| FVC_6B       | FVC_6A = 1   | Number of servings/day   |                                |
| FVC_6C / 7   | FVC_6A = 2   | Number of servings/day<br>(reported "servings per week")                             | (rounded to one decimal place) |
| FVC_6D / 30  | FVC_6A = 3   | Number of servings/day<br>(reported "servings per month")                            | (rounded to one decimal place) |
| FVC_6E / 365 | FVC_6A = 4   | Number of servings/day<br>(reported "servings per year")                             | (rounded to one decimal place) |
| 0            | FVC_6A = 5   | Never eats other vegetables  |                                |

## 7) Daily Consumption - Total Fruit and Vegetable

**Variable name:** FVCDTOT

**Based on:** FVCDJUI, FVCDFRU, FVCDLAL, FVCDPOT, FVCDLAL, FVCDLAL, FVCDLAL

**Description:** This variable indicates the total number of times per day the respondent eats fruits and vegetables.

**Note:** The CCHS measures the number of times (frequency), not the amount consumed.

| Specifications   |  |  |                          |
|--|--|--|--------------------------|
| Value  | Condition(s)   | Description  | Notes                    |
| 999.9  | ADM_PRX = 1  | Module not asked - proxy interview   | NS                       |
| 999.9  | FVCDJUI = NS or<br>FVCDFRU = NS or<br>FVCDLAL = NS or<br>FVCDPOT = NS or<br>FVCDLAL = NS or<br>FVCDLAL = NS  | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                       |
| FVCDJUI +<br>FVCDFRU +<br>FVCDLAL +<br>FVCDPOT +<br>FVCDLAL +<br>FVCDLAL | (0 <= FVCDJUI <= 20) and<br>(0 <= FVCDFRU <= 20) and<br>(0 <= FVCDLAL <= 20) and<br>(0 <= FVCDPOT <= 20) and<br>(0 <= FVCDLAL <= 20) and<br>(0 <= FVCDLAL <= 20) | Total number of times the respondent eats fruits and vegetables                      | (min : 0.0; max : 120.0) |

## 8) Grouping of Daily Consumption - Total Fruit and Vegetable

**Variable name:** FVCGTOT

**Based on:** FVCDTOT

**Description:** This variable classifies the respondent based on the total number of times per day he/she eats fruits and vegetables.

**Note:** The CCHS measures the number of times (frequency), not the amount consumed.

| Specifications |              |                                    |       |
|----------------|--------------|------------------------------------|-------|
| Value          | Condition(s) | Description                        | Notes |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview | NS    |

|   |                      |  |    |
|---|----------------------|--|----|
| 9 | FVCDTOT = NS         | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |
| 1 | FVCDTOT < 5          | Eats fruits and vegetables less than 5 times per day.                                |    |
| 2 | (5 <= FVCDTOT <= 10) | Eats fruits and vegetables between 5 and 10 times<br>per day                         |    |
| 3 | FVCDTOT > 10         | Eats fruits and vegetables more than 10 times per<br>day                             |    |

## General health (3 DVs)

### 1 ) Perceived Health

**Variable name:** GENDHDI

**Based on:** GEN\_01

**Description:** This variable indicates the respondent's health status based on his/her own judgement or his/her proxy. Higher scores indicate positive perceived health status.

**Note:** Prior to 2007, this variable was named self-rated health.

| Specifications |                      |  |       |
|----------------|----------------------|--|-------|
| Value          | Condition(s)         | Description  | Notes |
| 9              | (GEN_01 = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | NS    |
| 0              | GEN_01 = 5           | Poor   |       |
| 1              | GEN_01 = 4           | Fair   |       |
| 2              | GEN_01 = 3           | Good   |       |
| 3              | GEN_01 = 2           | Very good  |       |
| 4              | GEN_01 = 1           | Excellent  |       |

### 2 ) Perceived Mental Health

**Variable name:** GENDMHI

**Based on:** GEN\_02B

**Description:** This variable indicates the respondent's mental health status based on his/her own judgement. Higher scores indicate positive perceived mental health status.

**Note:** Prior to 2007, this variable was named self-rated mental health.

| Specifications |                       |  |       |
|----------------|-----------------------|--|-------|
| Value          | Condition(s)          | Description  | Notes |
| 9              | ADM_PRX = 1           | Module not asked - proxy interview                                   | NS    |
| 9              | (GEN_02B = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | NS    |
| 0              | GEN_02B = 5           | Poor   |       |
| 1              | GEN_02B = 4           | Fair   |       |
| 2              | GEN_02B = 3           | Good   |       |
| 3              | GEN_02B = 2           | Very good  |       |
| 4              | GEN_02B = 1           | Excellent  |       |

### 3 ) Satisfaction with life in general - (G)

**Variable name:** GENGSWL

**Based on:** GEN\_02A2

**Description:** This variable groups the 11-point scale used in GEN\_02A2 to rate a respondent's satisfaction with life into 5 categories. The 5 categories were used for GEN\_02A prior to 2009.

**Note:** This variable is available for the purpose of comparing data from question GEN\_02A2 introduced in 2009 to GEN\_02A. Users should be aware that although a good concordance was determined, GEN\_02A was based on a 5-point answer category vs. an 11-point scale for the variable GEN\_02A2.

| Specifications |                       |   |       |
|----------------|-----------------------|---|-------|
| Value          | Condition(s)          | Description   | Notes |
| 9              | ADM_PRX = 1           | Question not asked - proxy interview  | NS    |
| 9              | GEN_02A2 = DK, RF, NS | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| 1              | (9 <= GEN_02A2 <= 10) | Very Satisfied  |       |
| 2              | (6 <= GEN_02A2 <= 8)  | Satisfied   |       |
| 3              | GEN_02A2 = 5          | Neither satisfied nor dissatisfied  |       |
| 4              | (2 <= GEN_02A2 <= 4)  | Dissatisfied  |       |
| 5              | (0 <= GEN_02A2 <= 1)  | Very Dissatisfied   |       |

## Geography variables (16 DVs)

The January 2009 Postal Code Conversion File (PCCF) was used in the derivation of the geographic variables. All geographic variables use the geography from the 2006 Census except for GEODDA01 and GEODCMA1, which use the 2001 Census.

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### 1 ) Postal Code

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**Variable name:** GEODPC

**Based on:** Respondent address information

**Description:** The Canadian postal code offers a unique reference system which provides a means of identifying a mail delivery location. It is composed of six alpha-numeric characters, in the form of "ANA NAN", where "A" represents a letter of the alphabet and "N" a number. 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. GEODPC is derived from the respondents available address information.

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### 2 ) Health Region

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**Variable name:** GEODHR4

**Based on:** GEODPC

**Description:** This variable is a 4-digit number that identifies the health region. Health regions refer to health administrative areas defined by the provincial ministries of health. For complete Canadian coverage, each of the northern territories represents its own health region. This variable is derived using the information available on the survey frame at the time of sampling and the geographic information provided by the respondent. As of 2008, the health regions are based on the dissemination areas from the 2006 Census.

**Note:** The values for GEODHR4 (Health Region) for Alberta match the code set that is used by the province of Alberta (4821-4829). The code set used during sampling was changed on the final file to accommodate this request from Alberta. The peer groups also reflect the health region code set used by Alberta.

More details on health regions can be found in the "Health regions and peer groups" section of the online publication "Health Indicators", Statistics Canada, catalogue number 82-221-XIE. Correspondence files (linking health regions to latest census geographic codes) and digital boundary files are also available in the online publication "Health regions: Boundaries and Correspondence with Census Geography", Statistics Canada, catalogue number 82-402-XWE.

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### 3 ) Quebec Sub-Health Region

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**Variable name:** GEODSHR

**Based on:** GEODPC

**Description:** This variable is a 6-digit number that identifies the sub-health health region within the 2 health regions (2403, 2415) in Quebec for whom additional sample was added on a cost-recovery basis. It is equal to 999996 (for not applicable) anywhere else. This variable is derived using the information available on the survey frame at the time of sampling and the geographic information provided by the respondent. As of 2008, the sub-health regions are based on the dissemination areas from the 2006 census.

**Note:** Only available in the CCHS Quebec sample buy-in files (2007-2008).

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**4 ) Nova Scotia District Health Authority (DHA)**

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**Variable name:** GEODDHA

**Based on:** GEODPC

**Description:** This variable is a 4-digit number that identifies the 9 District Health Authority (DHA) regions in the province of Nova Scotia. It is equal to 9996 (for not applicable) anywhere else. This variable is derived using the information available on the survey frame at the time of sampling and the geographic information provided by the respondent. As of 2008, the DHAs are based on the dissemination areas from the 2006 census.

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**5 ) British Columbia Local Health Authority (LHA)**

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**Variable name:** GEODLHA

**Based on:** GEODPC

**Description:** This variable is a 3-digit number that identifies the Local Health Authority (LHA) regions in the province of British Columbia. It is equal to 996 (for not applicable) anywhere else. The LHAs are sub-regions of the health regions in British Columbia. This variable is derived using the information available on the survey frame at the time of sampling and the geographic information provided by the respondent. As of 2008, the LHAs are based on the dissemination areas from the 2006 census.

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**6 ) Ontario Local Health Integration Network**

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**Variable name:** GEODLHN

**Based on:** GEOPRV, GEODPC

**Description:** This variable is a 4-digit number that identifies the sub-provincial health areas of Ontario. It is equal to 9996 everywhere outside Ontario. Data in Ontario are provided for two levels of geography: Public Health Units (PHU) and the Local Health Integration Networks (LHIN). As of 2008, the LHINs are based on the geography from the 2006 Census.

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**7 ) 2006 Census Dissemination Area (DA)**

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**Variable name:** GEODDA06

**Based on:** GEODPC

**Description:** The dissemination area (DA) is a small, relatively stable geographic unit composed of one or more dissemination blocks. It is the smallest standard geographic area for which all census data are disseminated. DAs cover all the territory of Canada. Using GEODPC, GEODDA06 is derived using the Postal Code Conversion File (PCCF), which provides a correspondence between the six character postal code and Statistics Canada's standard geographical areas for which census data and other statistics are produced. It is composed of the two digit province/territory code, the two digit census division code and the four digit dissemination area code. When the postal code corresponds to more than one DA, the case is assigned using the "most probable DA approach". GEODDA06 is based on the geography from the 2006 Census.

**Note:** There are 2 variables on the final file for Dissemination Area - 1 using the geography from the 2006 Census (GEODDA06) and 1 using the geography from the 2001 Census (GEODDA01).

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## 8 ) 2006 Census Federal Electoral District (FED)

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**Variable name:** GEODFED

**Based on:** GEODDA06

**Description:** A federal electoral district refers to any place or territorial area entitled to elect a representative member to serve in the House of Commons (Source: Canada Elections Act, 1990). There are 308 FEDs in Canada, and the FEDs used for the 2006 Census are based on the 2003 Representation Order. The first two digits identify the province or territory.

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## 9 ) 2006 Census Subdivision (CSD)

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**Variable name:** GEODCSD

**Based on:** GEODDA06

**Description:** The Census Subdivision is the general term applied to municipalities (as determined by provincial legislation) or their equivalent, e.g., Indian reserves, Indian settlements and unorganized territories. In Newfoundland and Labrador, 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. GEODCSD is derived from GEODDA06 using the Postal Code Conversion File (PCCF).

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## 10 ) 2006 Census Division (CD)

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**Variable name:** GEODCD

**Based on:** GEODDA06

**Description:** 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 and Labrador, 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. GEODCD is derived from GEODDA06 using the Postal Code Conversion File (PCCF).

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## 11 ) Statistical Area Classification Type (SAT)

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**Variable name:** GEODSAT

**Based on:** GEODCSD

**Description:** The Statistical Area Classification (SAC) groups census subdivisions (CSDs) according to whether they are a component of a

census metropolitan area (CMA), a census agglomeration (CA), a census metropolitan area and census agglomeration influenced zone (strong MIZ, moderate MIZ, weak MIZ or no MIZ), or the territories (Northwest Territories, Yukon and Nunavut). A SAC code type is assigned to each CSD. The SAC is used for data dissemination purposes.

| Specifications |              |                              |       |
|----------------|--------------|------------------------------|-------|
| Value          | Condition(s) | Description                  | Notes |
| 1              |              | CMA                          |       |
| 2              |              | Tracted CA                   |       |
| 3              |              | Non-tracted CA               |       |
| 4              |              | Strongly Influenced (zone)   |       |
| 5              |              | Moderately Influenced (zone) |       |
| 6              |              | Weakly Influenced (zone)     |       |
| 7              |              | Not Influenced (zone)        |       |
| 8              |              | Territories                  |       |

## 12) 2006 Census Metropolitan Area (CMA)

**Variable name:** GEODCMA6

**Based on:** GEODPC

**Description:** 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 33 CMAs according to the 2006 Census definition. When a postal code is not in a CMA, this variable is equal to 000.

**Note:** There are 2 variables on the final file for Census Metropolitan Area - 1 using the geography from the 2006 Census (GEODCMA6) and 1 using the geography from the 2001 Census (GEODCMA1).

| Specifications |              |                   |       |
|----------------|--------------|-------------------|-------|
| Value          | Condition(s) | Description       | Notes |
| 000            |              | No CMA assigned   |       |
| 001            |              | St. John's        |       |
| 205            |              | Halifax           |       |
| 305            |              | Moncton           |       |
| 310            |              | Saint John        |       |
| 408            |              | Saguenay          |       |
| 421            |              | Québec            |       |
| 433            |              | Sherbrooke        |       |
| 442            |              | Trois-Rivières    |       |
| 462            |              | Montréal          |       |
| 505            |              | Ottawa - Gatineau |       |
| 521            |              | Kingston          |       |
| 529            |              | Peterborough      |       |
| 532            |              | Oshawa            |       |
| 535            |              | Toronto           |       |
| 537            |              | Hamilton          |       |



|     |                                 |
|-----|---------------------------------|
| 539 | St. Catharines - Niagara        |
| 541 | Kitchener                       |
| 543 | Brantford                       |
| 550 | Guelph                          |
| 555 | London                          |
| 559 | Windsor                         |
| 568 | Barrie                          |
| 580 | Greater Sudbury / Grand Sudbury |
| 595 | Thunder Bay                     |
| 602 | Winnipeg                        |
| 705 | Regina                          |
| 725 | Saskatoon                       |
| 825 | Calgary                         |
| 835 | Edmonton                        |
| 915 | Kelowna                         |
| 932 | Abbotsford                      |
| 933 | Vancouver                       |
| 935 | Victoria                        |

### 13) Peer Group

**Variable name:** GEODPG09

**Based on:** GEODHR4

**Description:** The 121 health regions have been classified into 10 like clusters or "peer groups", for the purposes of meaningful analysis in comparing like regions across the country.

**Note:** Formerly GEODPRG. The distribution of the Health Regions into Peer Groups changed slightly in 2009. Peer groups based on 2007 health region boundaries and 2006 Census data are included in the GEODPG09. There are currently ten peer groups identified by letters A through J. As a result of changes, the name of this derived variable has been changed from GEODPRG to GEODPG09. Comparisons over time are not advised given the changes in the structure of the peer groups.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 1              | GEODHR4=<br>1102, 1206, 2403, 2405, 2407, 2413, 2414, 2415, 2416, 3527, 3531, 3534, 3535, 3537, 3538, 3541, 3542, 3543, 3544, 3546, 3552, 3555, 3558, 3568, 4610, 4615, 4704, 4706, 4821, 5913, 5914, 5921, 5941, 5942, 5943 | Health Region Peer Group A:<br>Urban-rural mix from coast to coast<br>Average percentage of Aboriginal population<br>Average percentage of immigrant population  |       |
| 2              | GEODHR4=<br>3530, 3536, 3551, 3560, 3565, 3566, 4823, 4826   | Health Region Peer Group B:<br>Mainly urban centres in Ontario and Alberta with moderately high population density<br>Low percentage of Aboriginal population<br>Very High employment rate<br>Higher than average percentage of immigrant population |       |

|    |  |  |
|----|--|--|
| 3  | GEODHR4=<br>1011, 1101, 1103, 1201, 1202, 1203, 1204, 1301,<br>1302, 1303, 1304, 2401, 2402, 2404,<br>2408, 3526, 3540, 3547, 3556, 3561, 3562, 3563 | Health Region Peer Group C:<br>Sparsely populated urban-rural mix in Eastern and<br>Central provinces<br>Average percentage of Aboriginal population<br>Average employment rate<br>Low percentage of immigrant population                                  |
| 4  | GEODHR4=<br>2412, 3533, 3539, 3554, 3557 4620, 4630, 4640,<br>4645, 4701, 4702, 4703, 4705, 4707, 4708, 4825,<br>5911, 5912                          | Health Region Peer Group D:<br>Mainly rural regions from Quebec to British<br>Columbia<br>Average percentage of Aboriginal population<br>High employment rate  |
| 5  | GEODHR4=<br>4625, 4822, 4824,<br>4827, 4828, 4829, 5953, 6001, 6101  | Health Region Peer Group E:<br>Mainly rural and remote regions in the Western<br>provinces and the Territories<br>High proportion of Aboriginal population<br>Average percentage of immigrant population   |
| 6  | GEODHR4=<br>2417, 2418, 4685, 4714, 6201   | Health Region Peer Group F:<br>Northern and remote regions<br>Very high proportion of Aboriginal population<br>Very low employment rate<br>Low proportion of immigrants  |
| 7  | GEODHR4=<br>2406, 3595, 5932   | Health Region Peer Group G:<br>Largest metro centres with an average population<br>density of 4,065 people per square kilometre<br>Very low proportion of Aboriginal population<br>Average employment rate<br>Very high proportion of immigrant population |
| 8  | GEODHR4=<br>1014, 2409, 2410, 3549, 4660, 4670, 4709, 4710,<br>5951, 5952  | Health Region Peer Group H:<br>Rural northern regions from coast to coast<br>High proportion of Aboriginal population<br>Low proportion of immigrants  |
| 9  | GEODHR4=<br>1012, 1013, 1205, 1305, 1306, 1307, 2411   | Health Region Peer Group I:<br>Mainly rural Eastern regions<br>Average percentage of Aboriginal population<br>Low employment rate<br>Very low percentage of immigrant population   |
| 10 | GEODHR4=<br>3553, 3570, 5922, 5923, 5931, 5933   | Health Region Peer Group J:<br>Mainly urban centers in Ontario and British<br>Columbia with high population density<br>Low proportion of Aboriginal population<br>High proportion of immigrants  |

Reference: A more detailed discussion on the rationale and methods involved in the development of peer groups is available in the following publications: Health Region (2007) Peer Groups Working Paper (PDF) and Health Region (2003) Peer Groups Working Paper (PDF) these can be viewed in the "Health regions" section of the online publication "Health Indicators", Statistics Canada catalogue number 82-221-XIE.

## 14 ) Urban-Rural Classification

**Variable name:** GEODUR

**Based on:** GEODPC

**Description:** This variable identifies whether the respondent lives in an urban or rural 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 current census population counts. In CCHS Cycle 3.1, this variable was named GEODUR7 as there were 7 possible values in the code set. It has been replaced by GEODUR because the code set of the variable it is based on has changed and there are no longer 7 possible values for the variable.

| Specifications |              |             |       |
|----------------|--------------|-------------|-------|
| Value          | Condition(s) | Description | Notes |
| 0              |              | Rural       |       |

|   |                                 |
|---|---------------------------------|
| 1 | Urban core                      |
| 2 | Urban fringe                    |
| 4 | Urban area outside CMAs and Cas |
| 6 | Secondary urban core            |
| 9 | Mix of urban / rural areas      |

## 15) Urban-Rural Classification - Grouped

**Variable name:** GEODUR2

**Based on:** GEODUR

**Description:** This variable is a grouping of GEODUR into 2 categories. Units with GEODUR=9 were placed into rural or urban depending on the composition of the blocks within the dissemination areas.

**Note:** GEODUR2 remains a dichotomous variable (urban or rural) and is still based on GEODUR. The units with GEODUR=9 were placed into urban or rural depending on the composition of the dissemination blocks within the dissemination area.

| Specifications |                                    |             |       |
|----------------|------------------------------------|-------------|-------|
| Value          | Condition(s)                       | Description | Notes |
| 1              | GEODUR= 1,2,4 or 6 and sometimes 9 | Urban       |       |
| 2              | GEODUR= 0 and sometimes 9          | Rural       |       |

## 16) Population Size Group

**Variable name:** GEODPSZ

**Based on:** GEODPC, GEODCMA6, GEODUR

**Description:** This derived variable is used in the calculation of adjusted household income ratios (INCDADR). It identifies whether the respondent lives in an urban or rural area and classifies the respondent according to the population size of the urban area (or Census Metropolitan Area, CMA). In order to properly classify units into rural and urban groups and identify units belonging to CMAs, the postal code (GEODPC) is linked to the information on the most recent Postal Code Conversion File (PCCF). Population counts for these areas are determined by linking to the information available from GEOSUITE. The combined information is then used to code GEODPSZ.

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description                             | Notes |
| 1              | GEODUR=0  | Rural Area                              |       |
| 2              | Population size of the urban area (or CMA) < 30,000             | Urban Area<br>Less than 30,000 people   |       |
| 3              | 30,000 <= Population size of the urban area (or CMA) < 100,000  | Urban Area<br>30,000 to 99,999 people   |       |
| 4              | 100,000 <= Population size of the urban area (or CMA) < 500,000 | Urban Area<br>100,000 to 499,999 people |       |
| 5              | Population size of the urban area (or CMA) >= 500,000           | Urban Area<br>500,000 people or more    |       |

## Home care services (1 DV)

### 1 ) Received Home Care

**Variable name:** HMCFRHC

**Based on:** HMC\_09, HMC\_11

**Description:** This variable indicates whether the respondent received some form of home care service (whether the cost of the service was covered or not by government) in the past 12 months.

**Note:** Respondents less than 18 years old were excluded from the population.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)                                    | Description  | Notes |
| 6              | HMCFOPT = 2                                     | Module not selected  | NA    |
| 6              | DHH_AGE < 18                                    | Population exclusions  | NA    |
| 2              | HMC_09 = 2 and<br>HMC_11 = 2                    | Did not receive home care in past 12 months  |       |
| 1              | HMC_09 = 1 or<br>HMC_11 = 1                     | Received some home care in past 12 months  |       |
| 9              | (HMC_09 = DK, R, NS) or<br>(HMC_11 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

## Health utilities index (8 DVs)

The Health Utilities Index (HUI) is a multi-attribute health status classification system for measuring generic health status and health-related quality of life. The version used by CCHS has been adapted from the HUI Mark 3 (HUI3) for NPHS. The questions are slightly different than the original HUI3 developed at McMaster University. This instrument allows the calculation of a generic health status index based on attributes found in two different CCHS modules - the Health utilities index (HUI) and Health utilities index - Pain and discomfort (HUP). For more information see "Feeny D, Furlong W, Torrance GW et al. Multi-attribute and single-attribute utility functions for the Health Utilities Index Mark 3 system. Med Care 2002; 40: 113-128."

### 1 ) Vision Health Status

**Variable name:** HUIDVIS

**Based on:** HUI\_01, HUI\_02, HUI\_03, HUI\_04, HUI\_05

**Description:** Vision health status refers to a person's ability to see. This is based on his or her ability to perform certain visual tasks such as reading ordinary newsprint or recognising a friend on the other side of the street. The use of corrective lenses such as glasses or contact lenses is taken into consideration in this concept of ability/disability.

#### Specifications

| Value | Condition(s)  | Description  | Notes |
|-------|---|--|-------|
| 96    | DOHUI = 2   | Module not selected                                    | NA    |
| 1     | HUI_01 = 1 and<br>HUI_02 = NA and<br>HUI_03 = NA and<br>HUI_04 = 1 and<br>HUI_05 = NA   | Able to see well                                       |       |
| 2     | (HUI_01 = 1 and<br>HUI_02 = NA and<br>HUI_03 = NA and<br>HUI_04 = 2 and<br>HUI_05 = 1)<br>or<br>(HUI_01 = 2 and<br>HUI_02 = 1 and<br>HUI_03 = NA and<br>HUI_04 = 1 and<br>HUI_05 = NA)<br>or<br>(HUI_01 = 2 and<br>HUI_02 = 1 and<br>HUI_03 = NA and<br>HUI_04 = 2 and<br>HUI_05 = 1) | Able to see well with lenses (distance, close or both) |       |
| 3     | (HUI_01 = 1 and<br>HUI_02 = NA and<br>HUI_03 = NA and<br>HUI_04 = 2 and<br>HUI_05 = 2)<br>or<br>(HUI_01 = 2 and<br>HUI_02 = 1 and<br>HUI_03 = NA and<br>HUI_04 = 2 and<br>HUI_05 = 2)   | Unable to see distance, even with lenses               |       |

|    |   |  |    |
|----|---|--|----|
| 4  | (HUI_01 = 2 and<br>HUI_02 = 2 and<br>HUI_03 = 1 and<br>HUI_04 = 1 and<br>HUI_05 = NA)<br>or<br>(HUI_01 = 2 and<br>HUI_02 = 2 and<br>HUI_03 = 1 and<br>HUI_04 = 2 and<br>HUI_05 = 1) | Unable to see close, even with lenses  |    |
| 5  | HUI_01 = 2 and<br>HUI_02 = 2 and<br>HUI_03 = 1 and<br>HUI_04 = 2 and<br>HUI_05 = 2  | Unable to see close and distance, even with lenses                                   |    |
| 6  | HUI_01 = 2 and<br>HUI_02 = 2 and<br>HUI_03 = 2 and<br>HUI_04 = NA and<br>HUI_05 = NA  | Unable to see at all   |    |
| 99 | (HUI_01 = DK, R, NS) or<br>(HUI_02 = DK, R, NS) or<br>(HUI_03 = DK, R, NS) or<br>(HUI_04 = DK, R, NS) or<br>(HUI_05 = DK, R, NS)  | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |

Reference: For more information on the Health Utilities Index and more details on each category please see <http://www.statcan.gc.ca/subjects-sujets/standard-norme/otherclass-subject-autreclass-sujet-eng.htm>.

## 2) Hearing Health Status

**Variable name:** HUIDHER

**Based on:** HUI\_06, HUI\_07, HUI\_07A, HUI\_08, HUI\_09

**Description:** Hearing health status refers to a person's ability to hear. This is based on his or her ability to perform certain auditory tasks such as being able to hear what is said in a conversation with one other person or being able to hear what is said in a group conversation. The use of a hearing aid is taken into consideration into this concept of ability/disability.

**Note:** See usage note for the classification.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 96             | DOHUI = 2   | Module not selected                                  | NA    |
| 1              | HUI_06 = 1 and<br>HUI_07 = NA and<br>HUI_07A = NA and<br>HUI_08 = NA and<br>HUI_09 = NA | Able to hear well                                    |       |
| 2              | HUI_06 = 2 and<br>HUI_07 = 1 and<br>HUI_07A = NA and<br>HUI_08 = 1 and<br>HUI_09 = NA   | Able to hear with hearing aid for group conversation |       |

| Derived Variable Specifications |  |   |    |
|---------------------------------|--|---|----|
| 3                               | (HUI_06 = 2 and<br>HUI_07 = 1 and<br>HUI_07A = NA and<br>HUI_08 = 2 and<br>HUI_09 = 1)<br>or<br>(HUI_06 = 2 and<br>HUI_07 = 1 and<br>HUI_07A = NA and<br>HUI_08 = 2 and<br>HUI_09 = 2) | Able to hear, an individual and in group, with hearing aid                        |    |
| 4                               | HUI_06 = 2 and<br>HUI_07 = 2 and<br>HUI_07A =1 and<br>HUI_08 = 1 and<br>HUI_09 = NA  | Unable to hear in group and able to hear an individual without hearing aid        |    |
| 5                               | HUI_06 = 2 and<br>HUI_07 = 2 and<br>HUI_07A =1 and<br>HUI_08 = 2 and<br>HUI_09 = 1   | Unable to hear in group and able to hear an individual with hearing aid           |    |
| 6                               | (HUI_06 = 2 and<br>HUI_07 = 2 and<br>HUI_07A =1 and<br>HUI_08 = 2 and<br>HUI_09 = 2)<br>or<br>(HUI_06 = 2 and<br>HUI_07 = 2 and<br>HUI_07A =2 and<br>HUI_08 = NA and<br>HUI_09 = NA)   | Unable to hear  |    |
| 99                              | (HUI_06 = DK, R, NS) or<br>(HUI_07 = DK, R, NS) or<br>(HUI_07A = DK, R, NS) or<br>(HUI_08 = DK, R, NS) or<br>(HUI_09 = DK, R, NS)  | At least one required question was not answered (don't know, refusal, not stated) | NS |

Reference: For more information on the Health Utilities Index and more details on each category please see <http://www.statcan.gc.ca/subjects-sujets/standard-norme/otherclass-subject-autreclass-sujet-eng.htm>.

### 3) Speech Health Status

**Variable name:** HUIDSPE

**Based on:** HUI\_10, HUI\_11, HUI\_12, HUI\_13

**Description:** Speech health status refers to a person's ability to speak and be understood. This is based on his or her ability to be understood by strangers and people who know him or her well.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 6              | DOHUI = 2   | Module not selected  | NA    |
| 1              | HUI_10 = 1 and<br>HUI_11 = NA and<br>HUI_12 = NA and<br>HUI_13 = NA | Able to be well understood   |       |
| 2              | HUI_10 = 2 and<br>HUI_11 = 1 and<br>HUI_12 = 1 and<br>HUI_13 = NA   | Able to be understood by people who know them well and partially understood by strangers |       |

|   |   |   |    |
|---|---|---|----|
| 3 | HUI_10 = 2 and<br>HUI_11 = 1 and<br>HUI_12 = 2 and<br>HUI_13 = 1  | Able to be partially understood by people who know them well                      |    |
| 4 | (HUI_10 = 2 and<br>HUI_11 = 2 and<br>HUI_12 = 1 and<br>HUI_13 = NA)<br>or<br>(HUI_10 = 2 and<br>HUI_11 = 2 and<br>HUI_12 = 2 and<br>HUI_13 = 1) | Unable to be understood by strangers  |    |
| 5 | (HUI_10 = 2 and<br>HUI_11 = 1 and<br>HUI_12 = 2 and<br>HUI_13 = 2)<br>or<br>(HUI_10 = 2 and<br>HUI_11 = 2 and<br>HUI_12 = 2 and<br>HUI_13 = 2)  | Unable to be understood   |    |
| 9 | (HUI_10 = DK, R, NS) or<br>(HUI_11 = DK, R, NS) or<br>(HUI_12 = DK, R, NS) or<br>(HUI_13 = DK, R, NS)   | At least one required question was not answered (don't know, refusal, not stated) | NS |

Reference: For more information on the Health Utilities Index and more details on each category please see <http://www.statcan.gc.ca/subjects-sujets/standard-norme/otherclass-subject-autreclass-sujet-eng.htm>.

#### 4) Ambulation Health Status

**Variable name:** HUIDMOB

**Based on:** HUI\_14, HUI\_15, HUI\_16, HUI\_17, HUI\_18

**Description:** Ambulation health status refers to a person's ambulation ability. This is based on his or her ability to walk or be mobile around the neighbourhood or for short distances. The use of mechanical support or a wheelchair as well as the help required from other people is taken into consideration in this concept of ability/disability.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 96             | DOHUI = 2  | Module not selected                                      | NA    |
| 1              | HUI_14 = 1 and<br>HUI_15 = NA and<br>HUI_16 = NA and<br>HUI_17 = NA and<br>HUI_18 = NA | Able to walk without difficulty                          |       |
| 2              | HUI_14 = 2 and<br>HUI_15 = 1 and<br>HUI_16 = 2 and<br>HUI_17 = 2 and<br>HUI_18 = 2     | Able to walk with difficulty, no aid required            |       |
| 3              | HUI_14 = 2 and<br>HUI_15 = 1 and<br>HUI_16 = 1 and<br>HUI_17 = 2 and<br>HUI_18 = 2     | Able to walk with difficulty, requires walking equipment |       |



|    |  |  |    |
|----|--|--|----|
| 4  | (HUI_14 = 2 and<br>HUI_15 = 1 and<br>HUI_16 = 1 and<br>HUI_17 = 2 and<br>HUI_18 = 1)<br>or<br>(HUI_14 = 2 and<br>HUI_15 = 1 and<br>HUI_16 = 2 and<br>HUI_17 = 2 and<br>HUI_18 = 1)   | Able to walk with difficulty, requires wheelchair                                    |    |
| 5  | (HUI_14 = 2 and<br>HUI_15 = 1 and<br>HUI_16 = 1 and<br>HUI_17 = 1 and<br>HUI_18 = 1)<br>or<br>(HUI_14 = 2 and<br>HUI_15 = 1 and<br>HUI_16 = 1 and<br>HUI_17 = 1 and<br>HUI_18 = 2)<br>or<br>(HUI_14 = 2 and<br>HUI_15 = 1 and<br>HUI_16 = 2 and<br>HUI_17 = 1 and<br>HUI_18 = 1)<br>or<br>(HUI_14 = 2 and<br>HUI_15 = 1 and<br>HUI_16 = 2 and<br>HUI_17 = 1 and<br>HUI_18 = 2) | Able to walk with difficulty, requires help from people                              |    |
| 6  | (HUI_14 = 2 and<br>HUI_15 = 2 and<br>HUI_16 = NA and<br>HUI_17 = NA and<br>HUI_18 = 1)<br>or<br>(HUI_14 = 2 and<br>HUI_15 = 2 and<br>HUI_16 = NA and<br>HUI_17 = NA and<br>HUI_18 = 2)   | Cannot walk at all   |    |
| 99 | (HUI_14 = DK, R, NS) or<br>(HUI_15 = DK, R, NS) or<br>(HUI_16 = DK, R, NS) or<br>(HUI_17 = DK, R, NS) or<br>(HUI_18 = DK, R, NS)   | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |

Reference: For more information on the Health Utilities Index and more details on each category please see <http://www.statcan.gc.ca/subjects-sujets/standard-norme/otherclass-subject-autreclass-sujet-eng.htm>.

## 5) Dexterity Health Status

**Variable name:** HUIDDEX

**Based on:** HUI\_21, HUI\_22, HUI\_23, HUI\_24

**Description:** Dexterity health status refers to a person's ability to use their hands. This is based on his or her ability to perform certain tasks using their hands or fingers. The use of special tools or the help of another person to aid in the performance of these tasks is factored into this concept of ability/disability.

### Specifications

| Value | Condition(s)   | Description  | Notes |
|-------|--|--|-------|
| 96    | DOHUI = 2  | Module not selected  | NA    |
| 1     | HUI_21 = 1 and<br>HUI_22 = 6 and<br>HUI_23 = 6 and<br>HUI_24 = 6   | Full use of hands and fingers  |       |
| 2     | HUI_21 = 2 and<br>HUI_22 = 2 and<br>HUI_23 = 6 and<br>HUI_24 = 2   | Dexterity limitations, no help required  |       |
| 3     | HUI_21 = 2 and<br>HUI_22 = 2 and<br>HUI_23 = 6 and<br>HUI_24 = 1   | Dexterity limitations, requires special equipment                                    |       |
| 4     | (HUI_21 = 2 and<br>HUI_22 = 1 and<br>HUI_23 = 1 and<br>HUI_24 = 1)<br>or<br>(HUI_21 = 2 and<br>HUI_22 = 1 and<br>HUI_23 = 1 and<br>HUI_24 = 2)   | Dexterity limitations, requires help with some tasks                                 |       |
| 5     | (HUI_21 = 2 and<br>HUI_22 = 1 and<br>HUI_23 = 2 and<br>HUI_24 = 1)<br>or<br>(HUI_21 = 2 and<br>HUI_22 = 1 and<br>HUI_23 = 2 and<br>HUI_24 = 2)<br>or<br>(HUI_21 = 2 and<br>HUI_22 = 1 and<br>HUI_23 = 3 and<br>HUI_24 = 1)<br>or<br>(HUI_21 = 2 and<br>HUI_22 = 1 and<br>HUI_23 = 3 and<br>HUI_24 = 2) | Dexterity limitations, requires help with most tasks                                 |       |
| 6     | (HUI_21 = 2 and<br>HUI_22 = 1 and<br>HUI_23 = 4 and<br>HUI_24 = 1)<br>or<br>(HUI_21 = 2 and<br>HUI_22 = 1 and<br>HUI_23 = 4 and<br>HUI_24 = 2)   | Dexterity limitations, requires help with all tasks                                  |       |
| 99    | (HUI_21 = DK, R, NS) or<br>(HUI_22 = DK, R, NS) or<br>(HUI_23 = DK, R, NS) or<br>(HUI_24 = DK, R, NS)  | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

Reference: For more information on the Health Utilities Index and more details on each category please see <http://www.statcan.gc.ca/subjects-sujets/standard-norme/otherclass-subject-autreclass-sujet-eng.htm>.

## 6) Emotion Health Status

Variable name: HUIDEMO

**Based on:** HUI\_25

**Description:** Emotion Health Status refers to a person's emotional well-being. This is based on different levels of happiness and interest in life, and unhappiness.

| Specifications |                      |  |       |
|----------------|----------------------|--|-------|
| Value          | Condition(s)         | Description  | Notes |
| 6              | DOHUI = 2            | Module not selected  | NA    |
| 1              | HUI_25 = 1           | Happy and interested in life   |       |
| 2              | HUI_25 = 2           | Somewhat happy   |       |
| 3              | HUI_25 = 3           | Somewhat unhappy   |       |
| 4              | HUI_25 = 4           | Very unhappy   |       |
| 5              | HUI_25 = 5           | So unhappy that life is not worthwhile                               |       |
| 9              | (HUI_25 = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | NS    |

Reference: For more information on the Health Utilities Index and more details on each category please see <http://www.statcan.gc.ca/subjects-sujets/standard-norme/otherclass-subject-autreclass-sujet-eng.htm>.

## 7) Cognition Health Status

**Variable name:** HUIDCOG

**Based on:** HUI\_26, HUI\_27

**Description:** Cognition health status refers to a person's cognition facility based on his or her ability to remember, think and solve problems.

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)   | Description                                     | Notes |
| 96             | DOHUI = 2  | Module not selected                             | NA    |
| 1              | HUI_26 = 1 and<br>HUI_27 = 1   | Able to remember and think                      |       |
| 2              | (HUI_26 = 1 and<br>HUI_27 = 2)<br>or<br>(HUI_26 = 1 and<br>HUI_27 = 3) | Able to remember and some difficulty thinking   |       |
| 3              | HUI_26 = 2 and<br>HUI_27 = 1   | Somewhat forgetful and able to think            |       |
| 4              | (HUI_26 = 2 and<br>HUI_27 = 2)<br>or<br>(HUI_26 = 2 and<br>HUI_27 = 3) | Somewhat forgetful and some difficulty thinking |       |

|    |  |  |    |
|----|--|--|----|
| 5  | (HUI_26 = 1 and<br>HUI_27 = 4)<br>or<br>(HUI_26 = 2 and<br>HUI_27 = 4)<br>or<br>(HUI_26 = 3 and<br>HUI_27 = 1)<br>or<br>(HUI_26 = 3 and<br>HUI_27 = 2)<br>or<br>(HUI_26 = 3 and<br>HUI_27 = 3)<br>or<br>(HUI_26 = 3 and<br>HUI_27 = 4)   | Very forgetful or great deal of difficulty thinking                                  |    |
| 6  | (HUI_26 = 1 and<br>HUI_27 = 5)<br>or<br>(HUI_26 = 2 and<br>HUI_27 = 5)<br>or<br>(HUI_26 = 3 and<br>HUI_27 = 5)<br>or<br>(HUI_26 = 4 and<br>HUI_27 = 1)<br>or<br>(HUI_26 = 4 and<br>HUI_27 = 2)<br>or<br>(HUI_26 = 4 and<br>HUI_27 = 3)<br>or<br>(HUI_26 = 4 and<br>HUI_27 = 4)<br>or<br>(HUI_26 = 4 and<br>HUI_27 = 5) | Unable to remember or unable to think  |    |
| 99 | (HUI_26 = DK, R, NS) or<br>(HUI_27 = DK, R, NS)  | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |

Reference: For more information on the Health Utilities Index and more details on each category please see <http://www.statcan.gc.ca/subjects-sujets/standard-norme/otherclass-subject-autreclass-sujet-eng.htm>.

## 8 ) Health Utilities Index

**Variable name:** HUIDHSI

**Based on:** HUIDVIS, HUIDHER, HUIDSPE, HUIDMOB, HUIDDEX, HUIDEMO, HUIDCOG, HUPDPAD

**Description:** This derived variable is a Health Utilities Index which provides a description of an individual's overall functional health, based on eight attributes: vision, hearing, speech, ambulation (ability to get around), dexterity (use of hands and fingers), emotion (feelings), cognition (memory and thinking) and pain. The version of the index used in CCHS is adapted from the HUI Mark 3 (HUI3). The index is designed to produce both an overall health utility score and eight individual attribute scores. Analysts can use either a single-attribute utility scale or look at the complete health state (levels on all eight attributes) on the overall utility scale to produce a measure of an individual's perceived health related quality of life (HRQL).

The index is appropriate for use to describe and monitor the health of general populations, and has been extensively validated for use in cross-sectional and longitudinal population health studies.

The 8 single-attribute utility scores measure functional capacity within a single attribute, and range from 1.00 (normal) to 0.00 (most disabled). In combination, these scores are used to produce a multi-attribute utility index producing a score ranging from 1.00 (perfect health), through 0.00 (health status equal to death) to -0.36 (health status worse than death).

**Note:** HUI3 question content resides in the public domain, and is not subject to copyright restrictions. The HUI3 algorithm 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.

Higher scale indicates better health index  
Range: -0.360 to 1 in increments of 0.001

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

- Feeny D, Furlong W, Torrance GW et al. Multiattribute and single-attribute utility functions for the Health Utilities Index Mark 3 system. *Med Care* 2002; 40: 113-128.

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## Health utilities index - Pain and discomfort (1 DV)

The Health Utilities Index (HUI) is a multi-attribute health status classification system for measuring generic health status and health-related quality of life. The version used by CCHS is the HUI Mark 3 (HUI3), developed in Canada at McMaster University by Health Utilities Inc. The HUI3 allows the calculation of a generic health status index based on attributes found in two different CCHS modules - Health utilities index - Pain and discomfort (HUP) and the Health utilities index (HUI). HUIDHSI can only be calculated when both HUP and HUI are collected in a given cycle. For more information see "Feeny D, Furlong W, Torrance GW et al. Multi-attribute and single-attribute utility functions for the Health Utilities Index Mark 3 system. Med Care 2002; 40: 113-128."

### 1 ) Pain Health Status

**Variable name:** HUPDPAD

**Based on:** HUP\_01, HUP\_03

**Description:** Pain health status refers to the degree of pain that is usually felt by a person. This concept also considers whether this pain prevents him or her from performing certain activities. This variable is one of the 8 attributes used to calculate the Health Utility Index (HUIDHSI).

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)                                    | Description  | Notes |
| 1              | HUP_01 = 1 and<br>HUP_03 = 6                    | No pain or discomfort  |       |
| 2              | HUP_01 = 2 and<br>HUP_03 = 1                    | Pain - does not prevent activity   |       |
| 3              | HUP_01 = 2 and<br>HUP_03 = 2                    | Pain prevents a few activities   |       |
| 4              | HUP_01 = 2 and<br>HUP_03 = 3                    | Pain prevents some activities  |       |
| 5              | HUP_01 = 2 and<br>HUP_03 = 4                    | Pain prevents most activities  |       |
| 9              | (HUP_01 = DK, R, NS) or<br>(HUP_03 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

Reference: For more information on the Health Utilities Index and more details on each category please see <http://www.statcan.gc.ca/subjects-sujets/standard-norme/otherclass-subject-autreclass-sujet-eng.htm>.

## Height and weight - Self-reported (5 DVs)

### 1 ) Height (Metres) - Self-Reported

**Variable name:** HWT DHTM

**Based on:** HWT\_2, HWT\_2C, HWT\_2D, HWT\_2E, HWT\_2F

**Description:** This variable indicates the respondent's self-reported height in metres.

**Note:** For example, an individual who reported being 5 feet and 8 inches will have a height of 1.727 metres. The 1.727 is the midpoint of the range (1.715-1.739) around the height 5 feet and 8 inches. The range values were calculated as follows for an individual who is 5'8": LOWER LIMIT: Take the exact value in metres for a person who is 5'7" and average it with the value for 5'8". UPPER LIMIT: Take the exact value in metres for a person who is 5'9" and average it with the value for 5'8" then subtract 0.001 from it.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 9.996          | MAM_037 = 1  | Population exclusion - Pregnant women  | NA    |
| 9.999          | ADM_PRX = 1  | Module not asked - proxy interview   | NS    |
| 9.999          | (HWT_2 = DK, R, NS) or<br>(HWT_2C = DK, R, NS) or<br>(HWT_2D = DK, R, NS) or<br>(HWT_2E = DK, R, NS) or<br>(HWT_2F = DK, R, NS) or ADM_PRX = 1 | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| 0.914          | HWT_2 = 3 and<br>HWT_2C = 0  | 0.926 metres or shorter  |       |
| 0.940          | HWT_2 = 3 and<br>HWT_2C = 1  | 0.927 to 0.952 metres  |       |
| 0.965          | HWT_2 = 3 and<br>HWT_2C = 2  | 0.953 to 0.977 metres  |       |
| 0.991          | HWT_2 = 3 and<br>HWT_2C = 3  | 0.978 to 1.002 metres  |       |
| 1.016          | HWT_2 = 3 and<br>HWT_2C = 4  | 1.003 to 1.028 metres  |       |
| 1.041          | HWT_2 = 3 and<br>HWT_2C = 5  | 1.029 to 1.053 metres  |       |
| 1.067          | HWT_2 = 3 and<br>HWT_2C = 6  | 1.054 to 1.079 metres  |       |
| 1.092          | HWT_2 = 3 and<br>HWT_2C = 7  | 1.080 to 1.104 metres  |       |
| 1.118          | HWT_2 = 3 and<br>HWT_2C = 8  | 1.105 to 1.129 metres  |       |
| 1.143          | HWT_2 = 3 and<br>HWT_2C = 9  | 1.130 to 1.155 metres  |       |
| 1.168          | HWT_2 = 3 and<br>HWT_2C = 10   | 1.156 to 1.180 metres  |       |
| 1.194          | HWT_2 = 3 and<br>HWT_2C = 11   | 1.181 to 1.206 metres  |       |
| 1.219          | HWT_2 = 4 and<br>HWT_2D = 0  | 1.207 to 1.231 metres  |       |
| 1.245          | HWT_2 = 4 and<br>HWT_2D = 1  | 1.232 to 1.256 metres  |       |

|       |                              |                       |
|-------|------------------------------|-----------------------|
| 1.270 | HWT_2 = 4 and<br>HWT_2D = 2  | 1.257 to 1.282 metres |
| 1.295 | HWT_2 = 4 and<br>HWT_2D = 3  | 1.283 to 1.307 metres |
| 1.321 | HWT_2 = 4 and<br>HWT_2D = 4  | 1.308 to 1.333 metres |
| 1.346 | HWT_2 = 4 and<br>HWT_2D = 5  | 1.334 to 1.358 metres |
| 1.372 | HWT_2 = 4 and<br>HWT_2D = 6  | 1.359 to 1.383 metres |
| 1.397 | HWT_2 = 4 and<br>HWT_2D = 7  | 1.384 to 1.409 metres |
| 1.422 | HWT_2 = 4 and<br>HWT_2D = 8  | 1.410 to 1.434 metres |
| 1.448 | HWT_2 = 4 and<br>HWT_2D = 9  | 1.435 to 1.460 metres |
| 1.473 | HWT_2 = 4 and<br>HWT_2D = 10 | 1.461 to 1.485 metres |
| 1.499 | HWT_2 = 4 and<br>HWT_2D = 11 | 1.486 to 1.510 metres |
| 1.524 | HWT_2 = 5 and<br>HWT_2E = 0  | 1.511 to 1.536 metres |
| 1.549 | HWT_2 = 5 and<br>HWT_2E = 1  | 1.537 to 1.561 metres |
| 1.575 | HWT_2 = 5 and<br>HWT_2E = 2  | 1.562 to 1.587 metres |
| 1.600 | HWT_2 = 5 and<br>HWT_2E = 3  | 1.588 to 1.612 metres |
| 1.626 | HWT_2 = 5 and<br>HWT_2E = 4  | 1.613 to 1.637 metres |
| 1.651 | HWT_2 = 5 and<br>HWT_2E = 5  | 1.638 to 1.663 metres |
| 1.676 | HWT_2 = 5 and<br>HWT_2E = 6  | 1.664 to 1.688 metres |
| 1.702 | HWT_2 = 5 and<br>HWT_2E = 7  | 1.689 to 1.714 metres |
| 1.727 | HWT_2 = 5 and<br>HWT_2E = 8  | 1.715 to 1.739 metres |
| 1.753 | HWT_2 = 5 and<br>HWT_2E = 9  | 1.740 to 1.764 metres |
| 1.778 | HWT_2 = 5 and<br>HWT_2E = 10 | 1.765 to 1.790 metres |
| 1.803 | HWT_2 = 5 and<br>HWT_2E = 11 | 1.791 to 1.815 metres |
| 1.829 | HWT_2 = 6 and<br>HWT_2F = 0  | 1.816 to 1.841 metres |
| 1.854 | HWT_2 = 6 and<br>HWT_2F = 1  | 1.842 to 1.866 metres |
| 1.880 | HWT_2 = 6 and<br>HWT_2F = 2  | 1.867 to 1.891 metres |
| 1.905 | HWT_2 = 6 and<br>HWT_2F = 3  | 1.892 to 1.917 metres |



|       |                              |                        |
|-------|------------------------------|------------------------|
| 1.930 | HWT_2 = 6 and<br>HWT_2F = 4  | 1.918 to 1.942 metres  |
| 1.956 | HWT_2 = 6 and<br>HWT_2F = 5  | 1.943 to 1.968 metres  |
| 1.981 | HWT_2 = 6 and<br>HWT_2F = 6  | 1.969 to 1.993 metres  |
| 2.007 | HWT_2 = 6 and<br>HWT_2F = 7  | 1.994 to 2.018 metres  |
| 2.032 | HWT_2 = 6 and<br>HWT_2F = 8  | 2.019 to 2.044 metres  |
| 2.057 | HWT_2 = 6 and<br>HWT_2F = 9  | 2.045 to 2.069 metres  |
| 2.083 | HWT_2 = 6 and<br>HWT_2F = 10 | 2.070 to 2.095 metres  |
| 2.108 | HWT_2 = 6 and<br>HWT_2F = 11 | 2.096 to 2.120 metres  |
| 2.134 | HWT_2 = 7                    | 2.121 metres or taller |

## 2) Weight (Kilograms) - Self-Reported

**Variable name:** HWTDWTK

**Based on:** HWT\_3, HWT\_N4

**Description:** This variable indicates the respondent's self-reported weight in kilograms.

| Specifications |                     |  |                                 |
|----------------|---------------------|--|---------------------------------|
| Value          | Condition(s)        | Description  | Notes                           |
| 999.96         | MAM_037 = 1         | Population exclusion - Pregnant women                                | NA                              |
| 999.99         | ADM_PRX = 1         | Module not asked (proxy interview)                                   |                                 |
| 999.99         | (HWT_3 = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | NS                              |
| HWT_3          | HWT_N4 = 2          | Weight in Kg.  | (rounded to two decimal places) |
| HWT_3 × .45    | HWT_N4 = 1          | Weight in Kg., converted from Lbs.                                   | (rounded to two decimal places) |

## 3) Body Mass Index (self-reported)

**Variable name:** HWTDBMI

**Based on:** HWTDHTM, HWTDWTK

**Description:** The Body Mass Index (BMI) for this variable is based on self-reported height and weight. BMI is a comparison of "weight" relative to the "height" of respondents. BMI is calculated by dividing weight in kilograms by height in metres squared.  

$$\text{BMI} = \text{WEIGHT (KG)} / \text{HEIGHT (METRES)}^2$$

**Note:** BMI is not calculated for pregnant women. Although calculation of BMI is not recommended for lactating women, the index provided here is calculated for women who report that they are breastfeeding (MEX\_05 = 1) to permit comparability with previous cycles of CCHS and NPHS.  
 For Cycle 1.1 of CCHS, BMI was calculated only for respondents aged 20-64. Beginning with Cycle 2.1, BMI is calculated for respondents aged 18 and over. With the introduction of a new classification system for people under 18 in Cycle 3.1, BMI is

now calculated for people less than 18.  
This BMI classification is created using "self-reported height" and "self-reported weight" variables.

| Specifications                      |  |   |                                 |
|-------------------------------------|--|---|---------------------------------|
| Value                               | Condition(s)                             | Description   | Notes                           |
| 999.96                              | MAM_037 = 1                              | Population exclusion - Pregnant women   | NA                              |
| 999.99                              | DHH_SEX = 2 and<br>(MAM_037 = DK, R, NS) | Females who did not answer the pregnancy question (don't know, refusal, not stated) | NS                              |
| 999.99                              | HWTDHMT = NS or<br>HWTDWTK = NS          | Respondents for whom a valid self-reported height and weight was not obtained       | NS                              |
| HWTDWTK /<br>(HWTDHMT ×<br>HWTDHMT) | HWTDHMT < NA and<br>HWTDWTK < NA         | BMI calculated from both self-reported height and self-reported weight values       | (Rounded to two decimal places) |

#### 4 ) BMI classification for adults aged 18 and over (self-reported) - international standard

**Variable name:** HWTDISW

**Based on:** HWTDBMI, DDH\_AGE

**Description:** This variable assigns adult respondents aged 18 and over (except pregnant women) to one of the following categories, according to their Body Mass Index (BMI): underweight; acceptable weight; overweight; obese class I; obese class II; and, obese class III. Here, the BMI categories are adopted from a body weight classification system recommended by Health Canada and the World Health Organization (WHO) which has been widely used internationally.

**Note:** According to Health Canada, this BMI classification system can be used as a screening tool to identify weight-related health risks at the population and individual levels. The following health risks are associated with each of the BMI categories for adults aged 18 and over:  
normal weight = least health risk;  
underweight and overweight = increased health risk;  
obese class I = high health risk;  
obese class II = very high health risk;  
obese class III = extremely high health risk

At the population level, the BMI classification system can be used to compare body weight patterns and related health risks within and between populations and to establish population trends in body weight patterns. The classification should be used with caution at the individual level because the health risk associated with each BMI category varies considerably between individuals. Particular caution should be used when classifying: youth who have not attained growth maturity, adults who are naturally very lean, very muscular adults, some ethnic and racial groups, and adults over 65 years of age.

This variable excludes female respondents aged 18 to 49 who were pregnant or did not answer the pregnancy question (i.e. MAM\_037 = don't know, refusal, not stated).

**Internet site:** [http://www.hc-sc.gc.ca/hpfb-dgpsa/onpp-bppn/weight\\_book\\_f.pdf](http://www.hc-sc.gc.ca/hpfb-dgpsa/onpp-bppn/weight_book_f.pdf)

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)                             | Description   | Notes |
| 96             | DDH_AGE < 18 or<br>MAM_037 = 1           | Population exclusions   | NA    |
| 99             | HWTDBMI = NS or<br>(MAM_037 = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| 1              | HWTDBMI < 18.50                          | Underweight   |       |
| 2              | (18.50 <= HWTDBMI <= 24.99)              | Normal weight   |       |
| 3              | (25.00 <= HWTDBMI <= 29.99)              | Overweight  |       |
| 4              | (30.00 <= HWTDBMI <= 34.99)              | Obese - Class I   |       |
| 5              | (35.00 <= HWTDBMI <= 39.99)              | Obese - Class II  |       |
| 6              | HWTDBMI >= 40.00                         | Obese - Class III   |       |

Reference: For more detailed information see Canadian Guidelines for Body Weight Classification in Adults, Health Canada, 2003

## 5 ) BMI classification for children aged 12 to 17 (self-reported) - Cole classification system

**Variable name:** HWTDCOL

**Based on:** HWTDBMI, DHH\_SEX, DHHYOB, DHHMOB, DHHDOB, ADM\_YOI, ADM\_MOI, ADM\_DOI

**Description:** This variable classifies children aged 12 to 17 (except female respondents aged 15 to 17 who were pregnant or did not answer the pregnancy question) as "obese", "overweight" or "neither obese nor overweight" according to the age-and-sex-specific BMI cut-off points as defined by Cole et al. The Cole cut-off points are based on pooled international data (Brazil, Great Britain, Hong Kong, Netherlands, Singapore, and United States) for BMI and linked to the widely internationally accepted adult BMI cut-off points of 25 (overweight) and 30 (obese).

**Note:** Respondents who do not fall within the categories of "Obese" or "Overweight" (as defined by Cole et al.) have been classified by CCHS as "neither obese nor overweight".

This variable excludes respondents who are 18 years old or over (216 months).

| Temporary Reformat |  |  |                          |
|--------------------|--|--|--------------------------|
| Value              | Condition(s)   | Description  | Notes                    |
| <b>AGET1</b>       |  |  |                          |
| DHH_AGM / 12       | DHH_AGM < 9996   | Convert respondent's "age in months" to "age in years"                                       | (Rounded to nearest 0.5) |
| <b>DHH_AGM</b>     |  |  |                          |
| 9999               | (DHH_DOB = DK, R, NS) or (DHH_MOB = DK, R or NS) or (DHH_YOB = DK, R or NS)  | A valid day of birth or month of birth or year of birth is not available for the respondent. | NS                       |
| Age in months      | Interview date converted in months (ADM_YOI, ADM_MOI and ADM_DOI) - Date of birth converted in months (DHH_YOB, DHH_MOB and DHH_DOB) | Create respondent's age in months at time of the interview                                   | (min:144; max:1224)      |

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)   | Description   | Notes |
| 6              | MAM_037 = 1 or (17 < DHH_AGE or DHH_AGE < 12) or (DHH_AGM >= 216 and DHH_AGM < 9999) | Population exclusion  | NA    |
| 9              | HWTDBMI = NS or (MAM_037 = DK, R, NS) or DHH_AGM = NS                                | At least one required question was not answered (don't know, refusal, not stated) | NS    |

|   |  |       |
|---|--|-------|
| 3 | <p>(AGET1 = 12 and<br/>DHH_SEX = 1 and<br/>999.96 &gt; HWTDBMI &gt;= 26.02) or<br/>(AGET1 = 12 and<br/>DHH_SEX = 2 and<br/>999.96 &gt; HWTDBMI &gt;= 26.67) or<br/>(AGET1 = 12.5 and<br/>DHH_SEX = 1 and<br/>999.96 &gt; HWTDBMI &gt;= 26.43) or<br/>(AGET1 = 12.5 and<br/>DHH_SEX = 2 and<br/>999.96 &gt; HWTDBMI &gt;= 27.24) or<br/>(AGET1 = 13 and<br/>DHH_SEX = 1 and<br/>999.96 &gt; HWTDBMI &gt;= 26.84) or<br/>(AGET1 = 13 and<br/>DHH_SEX = 2 and<br/>999.96 &gt; HWTDBMI &gt;= 27.76) or<br/>(AGET1 = 13.5 and<br/>DHH_SEX = 1 and<br/>999.96 &gt; HWTDBMI &gt;= 27.25) or<br/>(AGET1 = 13.5 and<br/>DHH_SEX = 2 and<br/>999.96 &gt; HWTDBMI &gt;= 28.20) or<br/>(AGET1 = 14 and<br/>DHH_SEX = 1 and<br/>999.96 &gt; HWTDBMI &gt;= 27.63) or<br/>(AGET1 = 14 and<br/>DHH_SEX = 2 and<br/>999.96 &gt; HWTDBMI &gt;= 28.57) or<br/>(AGET1 = 14.5 and<br/>DHH_SEX = 1 and<br/>999.96 &gt; HWTDBMI &gt;= 27.98) or<br/>(AGET1 = 14.5 and<br/>DHH_SEX = 2 and<br/>999.96 &gt; HWTDBMI &gt;= 28.87) or<br/>(AGET1 = 15 and<br/>DHH_SEX = 1 and<br/>999.96 &gt; HWTDBMI &gt;= 28.30) or<br/>(AGET1 = 15 and<br/>DHH_SEX = 2 and<br/>999.96 &gt; HWTDBMI &gt;= 29.11) or<br/>(AGET1 = 15.5 and<br/>DHH_SEX = 1 and<br/>999.96 &gt; HWTDBMI &gt;= 28.60) or<br/>(AGET1 = 15.5 and<br/>DHH_SEX = 2 and<br/>999.96 &gt; HWTDBMI &gt;= 29.29) or<br/>(AGET1 = 16 and<br/>DHH_SEX = 1 and<br/>999.96 &gt; HWTDBMI &gt;= 28.88) or<br/>(AGET1 = 16 and<br/>DHH_SEX = 2 and<br/>999.96 &gt; HWTDBMI &gt;= 29.43) or<br/>(AGET1 = 16.5 and<br/>DHH_SEX = 1 and<br/>999.96 &gt; HWTDBMI &gt;= 29.14) or<br/>(AGET1 = 16.5 and<br/>DHH_SEX = 2 and<br/>999.96 &gt; HWTDBMI &gt;= 29.56) or<br/>(AGET1 = 17 and<br/>DHH_SEX = 1 and<br/>999.96 &gt; HWTDBMI &gt;= 29.41) or<br/>(AGET1 = 17 and<br/>DHH_SEX = 2 and<br/>999.96 &gt; HWTDBMI &gt;= 29.69) or<br/>(AGET1 = 17.5 and<br/>DHH_SEX = 1 and<br/>999.96 &gt; HWTDBMI &gt;= 29.70) or<br/>(AGET1 = 17.5 and<br/>DHH_SEX = 2 and<br/>999.96 &gt; HWTDBMI &gt;= 29.84) or<br/>(AGET1 = 18 and</p> | Obese |
|---|--|-------|

DHH\_SEX = 1 and  
999.96 > HWTDBMI >= 30.00) or  
(AGET1 = 18 and  
DHH\_SEX = 2 and  
999.96 > HWTDBMI >= 30.00)

---

|   |  |            |
|---|--|------------|
| 2 | <p>(AGET1 = 12 and<br/>DHH_SEX = 1 and<br/>(21.22 &lt;= HWTDBMI &lt; 26.02)) or<br/>(AGET1 = 12 and<br/>DHH_SEX = 2 and<br/>(21.68 &lt;= HWTDBMI &lt; 26.67)) or<br/>(AGET1 = 12.5 and<br/>DHH_SEX = 1 and<br/>(21.56 &lt;= HWTDBMI &lt; 26.43)) or<br/>(AGET1 = 12.5 and<br/>DHH_SEX = 2 and<br/>(22.14 &lt;= HWTDBMI &lt; 27.24)) or<br/>(AGET1 = 13 and<br/>DHH_SEX = 1 and<br/>(21.91 &lt;= HWTDBMI &lt; 26.84)) or<br/>(AGET1 = 13 and<br/>DHH_SEX = 2 and<br/>(22.58 &lt;= HWTDBMI &lt; 27.76)) or<br/>(AGET1 = 13.5 and<br/>DHH_SEX = 1 and<br/>(22.27 &lt;= HWTDBMI &lt; 27.25)) or<br/>(AGET1 = 13.5 and<br/>DHH_SEX = 2 and<br/>(22.98 &lt;= HWTDBMI &lt; 28.20)) or<br/>(AGET1 = 14 and<br/>DHH_SEX = 1 and<br/>(22.62 &lt;= HWTDBMI &lt; 27.63)) or<br/>(AGET1 = 14 and<br/>DHH_SEX = 2 and<br/>(23.34 &lt;= HWTDBMI &lt; 28.57)) or<br/>(AGET1 = 14.5 and<br/>DHH_SEX = 1 and<br/>(22.96 &lt;= HWTDBMI &lt; 27.98)) or<br/>(AGET1 = 14.5 and<br/>DHH_SEX = 2 and<br/>(23.66 &lt;= HWTDBMI &lt; 28.87)) or<br/>(AGET1 = 15 and<br/>DHH_SEX = 1 and<br/>(23.29 &lt;= HWTDBMI &lt; 28.30)) or<br/>(AGET1 = 15 and<br/>DHH_SEX = 2 and<br/>(23.94 &lt;= HWTDBMI &lt; 29.11)) or<br/>(AGET1 = 15.5 and<br/>DHH_SEX = 1 and<br/>(23.60 &lt;= HWTDBMI &lt; 28.60)) or<br/>(AGET1 = 15.5 and<br/>DHH_SEX = 2 and<br/>(24.17 &lt;= HWTDBMI &lt; 29.29)) or<br/>(AGET1 = 16 and<br/>DHH_SEX = 1 and<br/>(23.90 &lt;= HWTDBMI &lt; 28.88)) or<br/>(AGET1 = 16 and<br/>DHH_SEX = 2 and<br/>(24.37 &lt;= HWTDBMI &lt; 29.43)) or<br/>(AGET1 = 16.5 and<br/>DHH_SEX = 1 and<br/>(24.19 &lt;= HWTDBMI &lt; 29.14)) or<br/>(AGET1 = 16.5 and<br/>DHH_SEX = 2 and<br/>(24.54 &lt;= HWTDBMI &lt; 29.56)) or<br/>(AGET1 = 17 and<br/>DHH_SEX = 1 and<br/>(24.46 &lt;= HWTDBMI &lt; 29.41)) or<br/>(AGET1 = 17 and<br/>DHH_SEX = 2 and<br/>(24.70 &lt;= HWTDBMI &lt; 29.69)) or<br/>(AGET1 = 17.5 and<br/>DHH_SEX = 1 and<br/>(24.73 &lt;= HWTDBMI &lt; 29.70)) or<br/>(AGET1 = 17.5 and<br/>DHH_SEX = 2 and<br/>(24.85 &lt;= HWTDBMI &lt; 29.84)) or<br/>(AGET1 = 18 and</p> | Overweight |
|---|--|------------|

|   |  |                              |
|---|--|------------------------------|
|   | DHH_SEX = 1 and<br>(25.00 <= HWTDBMI < 30.00)) or<br>(AGET1 = 18 and<br>DHH_SEX = 2 and<br>(25.00 <= HWTDBMI < 30.00)) |                              |
| 1 | Else   | Neither overweight nor obese |

Reference: For more information about the Cole BMI classification system, see Establishing a Standard Definition for Child Overweight and Obesity Worldwide - International survey, by Tim J Cole, Mary C Bellizzi, Katherine M. Flegal, William H Dietz, published in British Medical Journal, Volume: 320, May 2000.

## Illicit drug use (16 DVs)

This module assesses use of various illicit drugs and drug interference. The questions for drug use are based on Canada's Alcohol and Other Drugs Survey (1994). Interference in daily activities and responsibilities is assessed.

### 1 ) Cannabis Drug Use - Lifetime (Including "One Time Only" Use)

**Variable name:** IDGFLCA

**Based on:** IDG\_01

**Description:** This variable indicates whether respondents have ever used marijuana, cannabis or hashish.

**Source:** Canada's Alcohol and Other Drugs Survey (1994)

| Specifications |                      |   |       |
|----------------|----------------------|---|-------|
| Value          | Condition(s)         | Description   | Notes |
| 6              | DOIDG = 2            | Module not selected   | NA    |
| 9              | ADM_PRX = 1          | Module not asked - proxy interview  | NS    |
| 1              | (IDG_01 = 1, 2)      | Has used marijuana  |       |
| 2              | IDG_01 = 3           | Has never used marijuana  |       |
| 9              | (IDG_01 = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | NS    |

### 2 ) Cannabis Drug Use - Lifetime (Excluding "One Time Only" Use)

**Variable name:** IDGFLCM

**Based on:** IDG\_01

**Description:** This variable indicates whether respondents have used marijuana, cannabis or hashish more than just once.

**Source:** Canada's Alcohol and Other Drugs Survey (1994)

| Specifications |                      |  |       |
|----------------|----------------------|--|-------|
| Value          | Condition(s)         | Description  | Notes |
| 6              | DOIDG = 2            | Module not selected  | NA    |
| 9              | ADM_PRX = 1          | Module not asked - proxy interview                                       | NS    |
| 1              | IDG_01 = 2           | Has used marijuana more than once  |       |
| 2              | (IDG_01 = 1, 3)      | Has not used marijuana more than once                                    |       |
| 9              | (IDG_01 = DK, R, NS) | The required question was not answered (don't know, refusal, not stated) | NS    |

### 3 ) Cannabis Drug Use - 12 month (Excluding "One Time Only" Use)

**Variable name:** IDGFYCM

**Based on:** IDG\_01, IDG\_02

**Description:** This variable indicates whether respondents have used marijuana, cannabis or hashish in the past year, excluding one time



use in lifetime.

**Source:** Canada's Alcohol and Other Drugs Survey (1994)

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 6              | DOIDG = 2   | Module not selected   | NA    |
| 9              | ADM_PRX = 1   | Module not asked - proxy interview  | NS    |
| 1              | IDG_01 = 2 and<br>IDG_02 = 1                          | Has used marijuana in the past 12 months and has used marijuana more than once in his/her lifetime                    |       |
| 2              | (IDG_01 = 1 and<br>IDG_02 = 1) or<br>(IDG_02 = 2, NA) | Has not used marijuana in the past 12 months or used it once in the past 12 months and this was the only lifetime use |       |
| 9              | (IDG_02 = DK, R, NS)                                  | At least one required question was not answered (don't know, refusal, not stated)                                     | NS    |

#### 4) Cocaine or Crack Drug Use - Lifetime

**Variable name:** IDGFLCO

**Based on:** IDG\_04

**Description:** This variable indicates whether respondents have ever used cocaine or crack.

**Source:** Canada's Alcohol and Other Drugs Survey (1994)

| Specifications |                      |  |       |
|----------------|----------------------|--|-------|
| Value          | Condition(s)         | Description  | Notes |
| 6              | DOIDG = 2            | Module not selected  | NA    |
| 9              | ADM_PRX = 1          | Module not asked - proxy interview                                       | NS    |
| 1              | (IDG_04 = 1, 2)      | Has used cocaine or crack  |       |
| 2              | IDG_04 = 3           | Has never used cocaine or crack  |       |
| 9              | (IDG_04 = DK, R, NS) | The required question was not answered (don't know, refusal, not stated) | NS    |

#### 5) Amphetamine (Speed) Drug Use - Lifetime

**Variable name:** IDGFLAM

**Based on:** IDG\_07

**Description:** This variable indicates whether respondents have ever used amphetamines (speed).

**Source:** Canada's Alcohol and Other Drugs Survey (1994)

| Specifications |                 |                                    |       |
|----------------|-----------------|------------------------------------|-------|
| Value          | Condition(s)    | Description                        | Notes |
| 6              | DOIDG = 2       | Module not selected                | NA    |
| 9              | ADM_PRX = 1     | Module not asked - proxy interview | NS    |
| 1              | (IDG_07 = 1, 2) | Has used amphetamines              |       |

|   |                      |  |    |
|---|----------------------|--|----|
| 2 | IDG_07 = 3           | Has never used amphetamines  |    |
| 9 | (IDG_07 = DK, R, NS) | The required question was not answered (don't know, refusal, not stated) | NS |

## 6) MDMA (ecstasy) Drug Use - Lifetime

**Variable name:** IDGFLEX

**Based on:** IDG\_10

**Description:** This variable indicates whether respondents have ever used MDMA (ecstasy) or similar drugs.

**Source:** Canada's Alcohol and Other Drugs Survey (1994)

| Specifications |                      |  |       |
|----------------|----------------------|--|-------|
| Value          | Condition(s)         | Description  | Notes |
| 6              | DOIDG = 2            | Module not selected  | NA    |
| 9              | ADM_PRX = 1          | Module not asked - proxy interview                                       | NS    |
| 1              | (IDG_10 = 1, 2)      | Has used MDMA (ecstasy)  |       |
| 2              | IDG_10 = 3           | Has never used MDMA (ecstasy)  |       |
| 9              | (IDG_10 = DK, R, NS) | The required question was not answered (don't know, refusal, not stated) | NS    |

## 7) Hallucinogens, PCP or LSD Drug Use - Lifetime

**Variable name:** IDGFLHA

**Based on:** IDG\_13

**Description:** This variable indicates whether respondents have ever used hallucinogens, PCP, or LSD (acid).

**Source:** Canada's Alcohol and Other Drugs Survey (1994)

| Specifications |                      |  |       |
|----------------|----------------------|--|-------|
| Value          | Condition(s)         | Description  | Notes |
| 6              | DOIDG = 2            | Module not selected  | NA    |
| 9              | ADM_PRX = 1          | Module not asked - proxy interview                                       | NS    |
| 1              | (IDG_13 = 1, 2)      | Has used hallucinogens, PCP, or LSD (acid)                               |       |
| 2              | IDG_13 = 3           | Has never used hallucinogens, PCP, or LSD (acid)                         |       |
| 9              | (IDG_13 = DK, R, NS) | The required question was not answered (don't know, refusal, not stated) | NS    |

## 8) Glue, Gasoline, or Other Solvent Use - Lifetime

**Variable name:** IDGFLGL

**Based on:** IDG\_16

**Description:** This variable indicates whether respondents have ever sniffed glue, gasoline, or other solvents.

**Source:** Canada's Alcohol and Other Drugs Survey (1994)

| Specifications |                      |  |       |
|----------------|----------------------|--|-------|
| Value          | Condition(s)         | Description  | Notes |
| 6              | DOIDG = 2            | Module not selected  | NA    |
| 9              | ADM_PRX = 1          | Module not asked - proxy interview                                       | NS    |
| 1              | (IDG_16 = 1, 2)      | Has sniffed glue, gasoline or other solvents                             |       |
| 2              | IDG_16 = 3           | Has never sniffed glue, gasoline or other solvents                       |       |
| 9              | (IDG_16 = DK, R, NS) | The required question was not answered (don't know, refusal, not stated) | NS    |

## 9) Heroin Drug Use - Lifetime

**Variable name:** IDGFLHE

**Based on:** IDG\_19

**Description:** This variable indicates whether respondents have ever used heroin.

**Source:** Canada's Alcohol and Other Drugs Survey (1994)

| Specifications |                      |  |       |
|----------------|----------------------|--|-------|
| Value          | Condition(s)         | Description  | Notes |
| 6              | DOIDG = 2            | Module not selected  | NA    |
| 9              | ADM_PRX = 1          | Module not asked - proxy interview                                       | NS    |
| 1              | (IDG_19 = 1, 2)      | Has used heroin  |       |
| 2              | IDG_19 = 3           | Has never used heroin  |       |
| 9              | (IDG_19 = DK, R, NS) | The required question was not answered (don't know, refusal, not stated) | NS    |

## 10) Steroid Use - Lifetime

**Variable name:** IDGFLST

**Based on:** IDG\_22

**Description:** This variable indicates whether respondents have ever used steroids, such as testosterone, dianabol or growth hormones.

**Source:** Canada's Alcohol and Other Drugs Survey (1994)

| Specifications |                 |                                    |       |
|----------------|-----------------|------------------------------------|-------|
| Value          | Condition(s)    | Description                        | Notes |
| 6              | DOIDG = 2       | Module not selected                | NA    |
| 9              | ADM_PRX = 1     | Module not asked - proxy interview | NS    |
| 1              | (IDG_22 = 1, 2) | Has used steroids                  |       |
| 2              | IDG_22 = 3      | Has never used steroids            |       |

|   |                      |  |    |
|---|----------------------|--|----|
| 9 | (IDG_22 = DK, R, NS) | The required question was not answered (don't know, refusal, not stated) | NS |
|---|----------------------|--|----|

## 11 ) Any Illicit Drug Use - Lifetime (Including "One Time Only" Use of Cannabis)

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | IDGFLA   |
| <b>Based on:</b>      | IDGFLCA, IDGFLCO, IDGFLAM, IDGFLEX, IDGFLHA, IDGFLGL, IDGFLHE, IDGFLST   |
| <b>Description:</b>   | This variable indicates whether respondents have ever used any of the drugs listed. Includes one time use of cannabis. |
| <b>Source:</b>        | Canada's Alcohol and Other Drugs Survey (1994)   |

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 6              | DOIDG = 2   | Module not selected   | NA    |
| 9              | ADM_PRX = 1   | Module not asked - proxy interview  | NS    |
| 1              | IDGFLCA = 1 or<br>IDGFLCO = 1 or<br>IDGFLAM = 1 or<br>IDGFLEX = 1 or<br>IDGFLHA = 1 or<br>IDGFLGL = 1 or<br>IDGFLHE = 1 or<br>IDGFLST = 1         | Has used at least 1 of 8 drugs if lifetime, including "one time only" use of cannabis |       |
| 2              | IDGFLCA = 2 and<br>IDGFLCO = 2 and<br>IDGFLAM = 2 and<br>IDGFLEX = 2 and<br>IDGFLHA = 2 and<br>IDGFLGL = 2 and<br>IDGFLHE = 2 and<br>IDGFLST = 2  | Has never used drugs listed   |       |
| 9              | IDGFLCA = NS or<br>IDGFLCO = NS or<br>IDGFLAM = NS or<br>IDGFLEX = NS or<br>IDGFLHA = NS or<br>IDGFLGL = NS or<br>IDGFLHE = NS or<br>IDGFLST = NS | At least one required question was not answered (don't know, refusal, not stated)     | NS    |

## 12 ) Any Illicit Drug Use - Lifetime (Excluding "One Time Only" Use of Cannabis)

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | IDGFLAC  |
| <b>Based on:</b>      | IDGFLCM, IDGFLCO, IDGFLAM, IDGFLEX, IDGFLHA, IDGFLGL, IDGFLHE, IDGFLST   |
| <b>Description:</b>   | This variable indicates whether respondents have ever used any of the drugs listed. Excludes one time use of cannabis. |
| <b>Source:</b>        | Canada's Alcohol and Other Drugs Survey (1994)   |

| Specifications |              |                     |       |
|----------------|--------------|---------------------|-------|
| Value          | Condition(s) | Description         | Notes |
| 6              | DOIDG = 2    | Module not selected | NA    |

|   |   |   |    |
|---|---|---|----|
| 9 | ADM_PRX = 1   | Module not asked - proxy interview  | NS |
| 1 | IDGFLCM = 1 or<br>IDGFLCO = 1 or<br>IDGFLAM = 1 or<br>IDGFLEX = 1 or<br>IDGFLHA = 1 or<br>IDGFLGL = 1 or<br>IDGFLHE = 1 or<br>IDGFLST = 1         | Has used at least 1 of 8 drugs, excluding "one time only" use of cannabis         |    |
| 2 | IDGFLCM = 2 and<br>IDGFLCO = 2 and<br>IDGFLAM = 2 and<br>IDGFLEX = 2 and<br>IDGFLHA = 2 and<br>IDGFLGL = 2 and<br>IDGFLHE = 2 and<br>IDGFLST = 2  | Has never used drugs listed, excluding one time use of cannabis                   |    |
| 9 | IDGFLCM = NS or<br>IDGFLCO = NS or<br>IDGFLAM = NS or<br>IDGFLEX = NS or<br>IDGFLHA = NS or<br>IDGFLGL = NS or<br>IDGFLHE = NS or<br>IDGFLST = NS | At least one required question was not answered (don't know, refusal, not stated) | NS |

### 13) Any Illicit Drug Use - 12-Month (Including "One Time Only" Use of Cannabis)

**Variable name:** IDGFYA

**Based on:** IDG\_02, IDG\_05, IDG\_08, IDG\_11, IDG\_14, IDG\_17, IDG\_20, IDG\_23

**Description:** This variable indicates whether respondents used any of the drugs listed in the past 12 months. Includes one time use of cannabis.

**Source:** Canada's Alcohol and Other Drugs Survey (1994)

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 6              | DOIDG = 2  | Module not selected  | NA    |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview   | NS    |
| 1              | IDG_02 = 1 or<br>IDG_05 = 1 or<br>IDG_08 = 1 or<br>IDG_11 = 1 or<br>IDG_14 = 1 or<br>IDG_17 = 1 or<br>IDG_20 = 1 or<br>IDG_23 = 1  | Has used at least 1 of 8 drugs listed in the past 12 months, including "one time only" use of cannabis |       |
| 2              | (IDG_02 = 2, NA) and<br>(IDG_05 = 2, NA) and<br>(IDG_08 = 2, NA) and<br>(IDG_11 = 2, NA) and<br>(IDG_14 = 2, NA) and<br>(IDG_17 = 2, NA) and<br>(IDG_20 = 2, NA) and<br>(IDG_23 = 2, NA) | Has not used drugs listed in the past 12 months  |       |

|   |   |  |    |
|---|---|--|----|
| 9 | (IDG_02 = DK, R, NS) or<br>(IDG_05 = DK, R, NS) or<br>(IDG_08 = DK, R, NS) or<br>(IDG_11 = DK, R, NS) or<br>(IDG_14 = DK, R, NS) or<br>(IDG_17 = DK, R, NS) or<br>(IDG_20 = DK, R, NS) or<br>(IDG_23 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |
|---|---|--|----|

#### 14) Any Illicit Drug Use - 12-Month (Excluding "One Time Only" Use of Cannabis)

**Variable name:** IDGFYAC

**Based on:** IDGFYCM, IDG\_05, IDG\_08, IDG\_11, IDG\_14, IDG\_17, IDG\_20, IDG\_23

**Description:** This variable indicates whether respondents used any of the drugs listed in the past 12 months. Excludes one time use of cannabis.

**Source:** Canada's Alcohol and Other Drugs Survey (1994)

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 6              | DOIDG = 2   | Module not selected   | NA    |
| 9              | ADM_PRX = 1   | Module not asked - proxy interview  | NS    |
| 1              | IDGFYCM = 1 or<br>IDG_05 = 1 or<br>IDG_08 = 1 or<br>IDG_11 = 1 or<br>IDG_14 = 1 or<br>IDG_17 = 1 or<br>IDG_20 = 1 or<br>IDG_23 = 1  | Has used at least 1 of 8 drugs listed in the past 12 months, excluding "one time only" lifetime use of cannabis |       |
| 2              | IDGFYCM = 2 and<br>(IDG_05 = 2, NA) and<br>(IDG_08 = 2, NA) and<br>(IDG_11 = 2, NA) and<br>(IDG_14 = 2, NA) and<br>(IDG_17 = 2, NA) and<br>(IDG_20 = 2, NA) and<br>(IDG_23 = 2, NA)                       | Has not used drugs listed in the past 12 months, excluding "one time only" lifetime use of cannabis             |       |
| 9              | IDGFYCM = NS or<br>(IDG_05 = DK, R, NS) or<br>(IDG_08 = DK, R, NS) or<br>(IDG_11 = DK, R, NS) or<br>(IDG_14 = DK, R, NS) or<br>(IDG_17 = DK, R, NS) or<br>(IDG_20 = DK, R, NS) or<br>(IDG_23 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)                            | NS    |

#### 15) Illicit Drug Interference 12-Month - Mean

**Variable name:** IDGDINT

**Based on:** IDG\_26A, IDG\_6B1, IDG\_6B2, IDG\_26C, IDG\_26D

**Description:** This variable assesses the interference that drug use had on daily activities and responsibilities in the past 12 months. It is a mean of the 5 items.

**Note:** Respondents who did not use drugs frequently enough or did not indicate problems with drug use were excluded from the population.

| Specifications  |   |  |   |
|---|---|--|---|
| Value   | Condition(s)  | Description  | Notes   |
| 99.6  | DOIDG = 2   | Module not selected  | NA  |
| 99.6  | IDG_26A = NA  | Population exclusions  | NA  |
| 99.9  | ADM_PRX = 1   | Module not asked - proxy interview   | NS  |
| 99.9  | (IDG_26A = DK, R, NS) or<br>(IDG_6B1 = DK, R, NS) or<br>(IDG_6B2 = DK, R, NS) or<br>(IDG_26C = DK, R, NS) or<br>(IDG_26D = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)   | NS  |
| (IDG_26A +<br>IDG_6B1 +<br>IDG_6B2 +<br>IDG_26C +<br>IDG_26D) / 5 | (0 <= IDG_26A <= 10) and<br>(0 <= IDG_6B1 <= 10) and<br>(0 <= IDG_6B2 <= 10) and<br>(0 <= IDG_26C <= 10) and<br>(0 <= IDG_26D <= 10)  | Interference = mean of all 5 items.<br>Answered all 5 questions                        | (Rounded to one decimal place)<br>(min: 0.0; max: 10.0) |
| (IDG_26A +<br>IDG_6B2 +<br>IDG_26C +<br>IDG_26D) / 4              | IDG_6B1 = 11 and<br>(0 <= IDG_6B2 <= 10) and<br>(0 <= IDG_26A <= 10) and<br>(0 <= IDG_26C <= 10) and<br>(0 <= IDG_26D <= 10)          | Interference = mean of 4 items that applied<br>IDG_6B1 was not applicable              | (Rounded to one decimal place)<br>(min: 0.0; max: 10.0) |
| (IDG_26A +<br>IDG_6B1 +<br>IDG_26C +<br>IDG_26D) / 4              | (0 <= IDG_6B1 <= 10) and<br>IDG_6B2 = 11 and<br>(0 <= IDG_26A <= 10) and<br>(0 <= IDG_26C <= 10) and<br>(0 <= IDG_26D <= 10)          | Interference = mean of 4 items that applied<br>IDG_6B2 was not applicable              | (Rounded to one decimal place)<br>(min: 0.0; max: 10.0) |
| (IDG_26A +<br>IDG_26C +<br>IDG_26D) / 3                           | IDG_6B1 = 11 and<br>IDG_6B2 = 11 and<br>(0 <= IDG_26A <= 10) and<br>(0 <= IDG_26C <= 10) and<br>(0 <= IDG_26D <= 10)                  | Interference = mean of 3 items that applied<br>IDG_6B1 and IDG_6B2 were not applicable | (Rounded to one decimal place)<br>(min: 0.0; max: 10.0) |

## 16) Flag for Illicit Drug Interference - 12-Month

**Variable name:** IDGFINT

**Based on:** IDG\_26A, IDG\_6B1, IDG\_6B2, IDG\_26C, IDG\_26D

**Description:** This variable assesses the interference that drug use had on daily activities and responsibilities in the past 12 months. This is a classification that indicates whether drug use interferes significantly with the person's normal routine, occupational (academic) functioning, or social activities or relationships.

**Note:** Respondents who did not use drugs frequently enough or did not indicate problems with drug use were excluded from the population.

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)   | Description   | Notes |
| 6              | DOIDG = 2  | Module not selected   | NA    |
| 6              | IDG_26A = NA   | Population exclusions   | NA    |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview  | NS    |
| 1              | (4 <= IDG_26A <= 10) or<br>(4 <= IDG_6B1 <= 10) or<br>(4 <= IDG_6B2 <= 10) or<br>(4 <= IDG_26C <= 10) or<br>(4 <= IDG_26D <= 10) | Drug use interfered significantly with normal routine, occupational (academic) functioning, or social activities or relationships in the past 12 months |       |

|   |   |   |    |
|---|---|---|----|
| 2 | (0 <= IDG_26A <= 3) and<br>[(0 <= IDG_6B1 <= 3) or<br>IDG_6B1 = 11] and<br>[(0 <= IDG_6B2 <= 3) or<br>IDG_6B2 = 11] and<br>(0 <= IDG_26C <= 3) and<br>(0 <= IDG_26D <= 3) | Drug use did not interfere significantly with normal<br>routine, occupation (academic) functioning or social<br>activities or relationships in the past 12 months |    |
| 9 | (IDG_26A = DK, R, NS) or<br>(IDG_6B1 = DK, R, NS) or<br>(IDG_6B2 = DK, R, NS) or<br>(IDG_26C = DK, R, NS) or<br>(IDG_26D = DK, R, NS)                                     | At least one required question was not answered<br>(don't know, refusal, not stated)  | NS |



## Income (6 DVs)

### TEMPORARY VARIABLE

Household income ratio

Variable name: INCTRAT

Based on: INC\_5, INCDHH, GEO\_PRV, DHHDHSZ, GEODPSZ

This derived variable is a temporary variable used in the calculation of adjusted ratios (INCDADR). While INCDADR is disseminated in the master and share files, INCTRAT is not. The Territories are excluded from this derived variable.

This derived variable is a ratio between the total income of the respondent's household and the low income cut-off corresponding to the number of persons in the household and the size of the community. The low income cut-off is the threshold at which a family would typically spend a larger portion of its income than the average family on the necessities of food, shelter and clothing.

This derived variable is produced in three separate steps. A summary of those steps is provided below.

Step 1: Low income cut-offs for each family and community size were obtained for the 2007 reference year from the Survey of Labour and Income Dynamics (SLID). In the case of CCHS, the income questions refer to the past 12 months. Although the survey data were collected in 2008, at the time the data was to be processed, 2007 was the most recent year for which low income cut-offs could be provided.

A low income cut-off was linked to all respondents (INCTLIC). This cut-off corresponded to the size of the respondent's household (DHHDHSZ) and the size of the community in which the respondent lives (GEODPSZ). Therefore, respondents were assigned one of the 35 possible combinations that exist (7 household size groups times 5 community size groups). For instance, the INCTLIC variable of a respondent living in a household size of 3 people and in an urban community with a population of 47,000 people would be 28,379.

Ref.: Low income cut-offs (INCTLIC) were taken from Table 3 in Low income cut-offs for 2007 and low income measures for 2006. Income Research Paper Series. Catalogue no. 75F0002M No. 004, June 2008.

Step 2a: Household income is obtained using INC\_5 questions for a specific amount and INCDHH (INC\_5A to INC\_5C) for an amount in an interval.

If a specific amount is obtained at question INC\_5, that amount is used as household income. If only one interval is reported for INC\_5A to INC\_5C, a random value within each interval is derived from INCDHH for household income for all intervals but the highest one (see next step).

Step 2b: For the highest household income interval (\$100 000 or more), for each province, the median value from the Survey of Labour and Income Dynamics (SLID) for the same interval will be used as the household income. Data from SLID 2007 were used as they were the most recent available at the time CCHS data were processed.

Median provincial household income in 2007 from the SLID for the "100 000 \$ or more" category are as follows:

2007

|                           |         |
|---------------------------|---------|
| Newfoundland and Labrador | 142 580 |
| Prince Edward Island      | 133 457 |
| Nova Scotia               | 145 050 |
| New Brunswick             | 139 659 |
| Quebec                    | 143 119 |
| Ontario                   | 153 360 |
| Manitoba                  | 149 934 |
| Saskatchewan              | 145 987 |
| Alberta                   | 182 772 |
| British Columbia          | 155 787 |

Step 3: Individual ratios of household income to the low income cut-off are calculated for each household within each household and community size using the DHHDHSZ household size variable and the GEODPSZ community size variable. Ratios are calculated by dividing household income (INCTINC) by the corresponding low income cut-off (INCTLIC).

#### Temporary Reformat

| Value          | Condition(s)         | Description                             | Notes |
|----------------|----------------------|---|-------|
| <b>INCTINC</b> |                      |   |       |
| 999996         | GEO_PRV = 60, 61, 62 | Residents of Territories excluded       |       |
| 999999         | INCDHH = 99          | None of the income questions was stated |       |
| 0              | INCDHH = 1           | No income                               |       |
| INC_3          | 0 < INC_3 < 999996   | Specific and positive household income  |       |

|                                     |                              |  |
|-------------------------------------|------------------------------|--|
| RANDOM<br>(MIN=1,<br>MAX=4999)      | INCDHH = 2                   | Random variable for a stated income in an interval of \$1 to \$4,999   |
| RANDOM<br>(MIN=5000,<br>MAX=9999)   | INCDHH = 3                   | Random variable for a stated income in an interval of \$5,000 to \$9,999   |
| RANDOM<br>(MIN=10000,<br>MAX=14999) | INCDHH = 4                   | Random variable for a stated income in an interval of \$10,000 to \$14,999   |
| RANDOM<br>(MIN=15000,<br>MAX=19999) | INCDHH = 5                   | Random variable for a stated income in an interval of \$15,000 to \$19,999   |
| RANDOM<br>(MIN=20000,<br>MAX=29999) | INCDHH = 6                   | Random variable for a stated income in an interval of \$20,000 to \$29,999   |
| RANDOM<br>(MIN=30000,<br>MAX=39999) | INCDHH = 7                   | Random variable for a stated income in an interval of \$30,000 to \$39,999   |
| RANDOM<br>(MIN=40000,<br>MAX=49999) | INCDHH = 8                   | Random variable for a stated income in an interval of \$40,000 to \$49,999   |
| RANDOM<br>(MIN=50000,<br>MAX=59999) | INCDHH = 9                   | Random variable for a stated income in an interval of \$50,000 to \$59,999   |
| RANDOM<br>(MIN=60000,<br>MAX=69999) | INCDHH = 10                  | Random variable for a stated income in an interval of \$60,000 to \$69,999   |
| RANDOM<br>(MIN=70000,<br>MAX=79999) | INCDHH = 11                  | Random variable for a stated income in an interval of \$70,000 to \$79,999   |
| RANDOM<br>(MIN=80000,<br>MAX=89999) | INCDHH = 12                  | Random variable for a stated income in an interval of \$80,000 to \$89,999   |
| RANDOM<br>(MIN=90000,<br>MAX=99999) | INCDHH = 13                  | Random variable for a stated income in an interval of \$90,000 to \$99,999   |
| 133,457                             | INCDHH = 14 and GEO_PRV = 11 | Imputed value from SLID if the province of residence is Prince Edward Island and income > 100,000\$                              |
| 139,659                             | INCDHH = 14 and GEO_PRV = 13 | Imputed value from SLID if the province of residence is New Brunswick and income > 100,000\$                                     |
| 142,580                             | INCDHH = 14 and GEO_PRV = 10 | Imputed value from SLID if the province of residence is Newfoundland and Labrador and income > 100,000\$                         |
| 143,119                             | INCDHH = 14 and GEO_PRV = 24 | Imputed value from SLID if the province of residence is Quebec and income > 100,000\$  |
| 149,934                             | INCDHH = 14 and GEO_PRV = 46 | Imputed value from SLID if the province of residence is Manitoba and income > 100,000\$  |
| 145,987                             | INCDHH = 14 and GEO_PRV = 47 | Imputed value from SLID if the province of residence is Saskatchewan and income > 100,000\$                                      |
| 155,787                             | INCDHH = 14 and GEO_PRV = 59 | Imputed value from SLID if the province of residence is British Columbia and income > 100,000\$                                  |
| 145,050                             | INCDHH = 14 and GEO_PRV = 12 | Imputed value from SLID if the province of residence is Nova Scotia and income > 100,000\$                                       |
| 153,360                             | INCDHH = 14 and GEO_PRV = 35 | Imputed value from SLID if the province of residence is Ontario and income > 100,000\$   |
| 182,772                             | INCDHH = 14 and GEO_PRV = 48 | Imputed value from SLID if the province of residence is Alberta and income > 100,000\$   |
| <b>INCTLIC</b>                      |                              |  |
| 14 914                              | DHHDHSZ = 1 and GEODPSZ = 1  | Low income cut-offs when the number of persons in household = 1 and population size group = rural area                           |
| 16 968                              | DHHDHSZ = 1 and GEODPSZ = 2  | Low income cut-offs when the number of persons in household = 1 and population size group = urban area - less than 30,000 people |

|        |                              |  |
|--------|------------------------------|--|
| 18 544 | DHHDHSZ = 1 and GEODPSZ = 3  | Low income cut-offs when the number of persons in household = 1 and population size group = urban area - 30,000 to 99,999 people   |
| 18 567 | DHHDHSZ = 2 and GEODPSZ = 1  | Low income cut-offs when the number of persons in household = 2 and population size group = rural area                             |
| 18 659 | DHHDHSZ = 1 and GEODPSZ = 4  | Low income cut-offs when the number of persons in household = 1 and population size group = urban area - 100,000 to 499,999 people |
| 21 123 | DHHDHSZ = 2 and GEODPSZ = 2  | Low income cut-offs when the number of persons in household = 2 and population size group = urban area - less than 30,000 people   |
| 21 666 | DHHDHSZ = 1 and GEODPSZ = 5  | Low income cut-offs when the number of persons in household = 1 and population size group = urban area - 500,000 people or more    |
| 22 826 | DHHDHSZ = 3 and GEODPSZ = 1  | Low income cut-offs when the number of persons in household = 3 and population size group = rural area                             |
| 23 084 | DHHDHSZ = 2 and GEODPSZ = 3  | Low income cut-offs when the number of persons in household = 2 and population size group = urban area - 30,000 to 99,999 people   |
| 23 228 | DHHDHSZ = 2 and GEODPSZ = 4  | Low income cut-offs when the number of persons in household = 2 and population size group = urban area - 100,000 to 499,999 people |
| 25 968 | DHHDHSZ = 3 and GEODPSZ = 2  | Low income cut-offs when the number of persons in household = 3 and population size group = urban area - less than 30,000 people   |
| 26 972 | DHHDHSZ = 2 and GEODPSZ = 5  | Low income cut-offs when the number of persons in household = 2 and population size group = urban area - 500,000 people or more    |
| 27 714 | DHHDHSZ = 4 and GEODPSZ = 1  | Low income cut-offs when the number of persons in household = 4 and population size group = rural area                             |
| 28 379 | DHHDHSZ = 3 and GEODPSZ = 3  | Low income cut-offs when the number of persons in household = 3 and population size group = urban area - 30,000 to 99,999 people   |
| 28 556 | DHHDHSZ = 3 and GEODPSZ = 4  | Low income cut-offs when the number of persons in household = 3 and population size group = urban area - 100,000 to 499,999 people |
| 31 432 | DHHDHSZ = 5 and GEODPSZ = 1  | Low income cut-offs when the number of persons in household = 5 and population size group = rural area                             |
| 31 529 | DHHDHSZ = 4 and GEODPSZ = 2  | Low income cut-offs when the number of persons in household = 4 and population size group = urban area - less than 30,000 people   |
| 33 159 | DHHDHSZ = 3 and GEODPSZ = 5  | Low income cut-offs when the number of persons in household = 3 and population size group = urban area - 500,000 people or more    |
| 34 457 | DHHDHSZ = 4 and GEODPSZ = 3  | Low income cut-offs when the number of persons in household = 4 and population size group = urban area - 30,000 to 99,999 people   |
| 34 671 | DHHDHSZ = 4 and GEODPSZ = 4  | Low income cut-offs when the number of persons in household = 4 and population size group = urban area - 100,000 to 499,999 people |
| 35 452 | DHHDHSZ = 6 and GEODPSZ = 1  | Low income cut-offs when the number of persons in household = 6 and population size group = rural area                             |
| 35 760 | DHHDHSZ = 5 and GEODPSZ = 2  | Low income cut-offs when the number of persons in household = 5 and population size group = urban area - less than 30,000 people   |
| 39 081 | DHHDHSZ = 5 and GEODPSZ = 3  | Low income cut-offs when the number of persons in household = 5 and population size group = urban area - 30,000 to 99,999 people   |
| 39 322 | DHHDHSZ = 5 and GEODPSZ = 4  | Low income cut-offs when the number of persons in household = 5 and population size group = urban area - 100,000 to 499,999 people |
| 39 470 | DHHDHSZ >= 7 and GEODPSZ = 1 | Low income cut-offs when the number of persons in household >= 7 and population size group = rural area                            |

|                |                              |  |            |
|----------------|------------------------------|--|------------|
| 40 259         | DHHDHSZ = 4 and GEODPSZ = 5  | Low income cut-offs when the number of persons in household = 4 and population size group = urban area - 500,000 people or more  |            |
| 40 331         | DHHDHSZ = 6 and GEODPSZ = 2  | Low income cut-offs when the number of persons in household = 6 and population size group = urban area - less than 30,000 people   |            |
| 44 077         | DHHDHSZ = 6 and GEODPSZ = 3  | Low income cut-offs when the number of persons in household = 6 and population size group = urban area - 30,000 to 99,999 people   |            |
| 44 350         | DHHDHSZ = 6 and GEODPSZ = 4  | Low income cut-offs when the number of persons in household = 6 and population size group = urban area - 100,000 to 499,999 people   |            |
| 44 903         | DHHDHSZ >= 7 and GEODPSZ = 2 | Low income cut-offs when the number of persons in household >= 7 and population size group = urban area - less than 30,000 people  |            |
| 45 662         | DHHDHSZ = 5 and GEODPSZ = 5  | Low income cut-offs when the number of persons in household = 5 and population size group = urban area - 500,000 people or more  |            |
| 49 073         | DHHDHSZ >= 7 and GEODPSZ = 3 | Low income cut-offs when the number of persons in household >= 7 and population size group = urban area - 30,000 to 99,999 people  |            |
| 49 377         | DHHDHSZ >= 7 and GEODPSZ = 4 | Low income cut-offs when the number of persons in household >= 7 and population size group = urban area - 100,000 to 499,999 people  |            |
| 51 498         | DHHDHSZ = 6 and GEODPSZ = 5  | Low income cut-offs when the number of persons in household = 6 and population size group = urban area - 500,000 people or more  |            |
| 57 336         | DHHDHSZ >= 7 and GEODPSZ = 5 | Low income cut-offs when the number of persons in household >= 7 and population size group = urban area - 500,000 people or more   |            |
| <b>INCTRAT</b> |                              |  |            |
| 99.999999996   | INCTINC = 999996             | Residents of territories excluded  | 9 decimals |
| 99.999999999   | INCTINC = 999999             | The ratio cannot be calculated because the household income was not stated   | 9 decimals |
| 0-40           | INCTINC / INCTLIC            | Individual ratio of household income to the low income cut-off corresponding to the size of the household and the size of the community. The maximum ratio is based on the maximum household income accepted, which is \$500,000 | 9 decimals |

## 1 ) Total Household Income - All Sources

**Variable name:** INCDHH

**Based on:** INC\_3, INC\_5A, INC\_5B, INC\_5C

**Description:** This variable groups the total household income from all sources. A range category was previously assigned by the application to respondents who provided an exact amount in question INC\_3. The Territories are excluded from this derived variable.

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)   | Description   | Notes |
| 99             | (INC_5A = DK, R, NS) and<br>(INC_5B = DK, R, NS) and<br>(INC_5C = DK, R, NS) | None of the income questions were answered<br>(don't know, refusal, not stated) | NS    |
| 1              | INC_3 = 0  | No income   |       |
| 2              | INC_5B = 1   | Less than \$5,000   |       |
| 3              | INC_5B = 2   | \$5,000 to \$9,999  |       |
| 4              | INC_5B = 3   | \$10,000 to \$14,999  |       |
| 5              | INC_5B = 4   | \$15,000 to \$19,999  |       |

|    |                 |   |    |
|----|-----------------|---|----|
| 6  | INC_5B = 5      | \$20,000 to \$29,999                          |    |
| 7  | INC_5B = 6      | \$30,000 to \$39,999                          |    |
| 8  | INC_5B = 7      | \$40,000 to \$49,999                          |    |
| 9  | INC_5C = 1      | \$50,000 to \$59,999                          |    |
| 10 | INC_5C = 2      | \$60,000 to \$69,999                          |    |
| 11 | INC_5C = 3      | \$70,000 to \$79,999                          |    |
| 12 | INC_5C = 4      | \$80,000 to \$89,999                          |    |
| 13 | INC_5C = 5      | \$90,000 to \$99,999                          |    |
| 14 | INC_5C = 6 or 7 | \$100,000 +                                   |    |
| 99 | Else            | Not enough information for the classification | NS |

## 2) Personal Income - All Sources

**Variable name:** INCDPER

**Based on:** INC\_8A, INC\_8B, INC\_8C, INC\_8D

**Description:** This variable indicates the respondent's personal income from all sources. A range category was previously assigned by the application to respondents who provided an exact amount in question INC\_8A. The Territories are excluded from this derived variable.

**Note:** Respondents less than 15 years old were excluded from the population.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 96             | DHH_AGE < 15   | Population exclusions  | NA    |
| INCDHH         | DHHDHSZ = 1  | The value for INCDHH is used when the respondent is in a one person household. |       |
| 99             | (INC_8B = DK, R, NS) and<br>(INC_8C = DK, R, NS) and<br>(INC_8D = DK, R, NS) | None of the income question were answered (don't know, refusal, not stated)    | NS    |
| 1              | (INC_8A = 0)   | No income  |       |
| 2              | INC_8C = 1   | Less than \$5,000  |       |
| 3              | INC_8C = 2   | \$5,000 to \$9,999   |       |
| 4              | INC_8C = 3   | \$10,000 to \$14,999   |       |
| 5              | INC_8C = 4   | \$15,000 to \$19,999   |       |
| 6              | INC_8C = 5 or 6  | \$20,000 to \$29,999   |       |
| 7              | INC_8D = 1   | \$30,000 to \$39,999   |       |
| 8              | INC_8D = 2   | \$40,000 to \$49,999   |       |
| 9              | INC_8D = 3   | \$50,000 to \$59,999   |       |
| 10             | INC_8D = 4   | \$60,000 to \$69,999   |       |
| 11             | INC_8D = 5   | \$70,000 to \$79,999   |       |
| 12             | INC_8D = 6   | \$80,000 to \$89,999   |       |
| 13             | INC_8D = 7   | \$90,000 to \$99,999   |       |
| 14             | INC_8D = 8   | \$100,000 +  |       |

|    |      |   |    |
|----|------|---|----|
| 99 | Else | Not enough information for the classification | NS |
|----|------|---|----|

### 3) Adjusted household income ratio - National level

**Variable name:** INCDADR

**Based on:** INCTRAT (Household income ratio to the low income cut-off)

**Description:** Adjusted household income ratios to the low income cut-off are obtained by dividing the original ratios (INCTRAT) by the highest ratio for all survey respondents. This results in ratios ranging from 0 to 1. The Territories are excluded from this derived variable.

| Specifications |  |  |                               |
|----------------|--|--|-------------------------------|
| Value          | Condition(s)                           | Description  | Notes                         |
| 9.999999996    | INCTRAT = 99.999999996                 | Residents of territories excluded  | NA<br>(9 decimal places)      |
| 9.999999999    | INCTRAT = 99.999999999                 | The ratio cannot be calculated because the household income was not stated.  | NS<br>(9 decimal places)      |
| 0 - 1          | INCTRAT / Max value of all respondents | Ratio between 0 and 1 corresponding to the household income and the corresponding low income cut-off divided by the highest ratio for all respondents. | (Rounded to 9 decimal places) |

### 4) Distribution of household income - National level

**Variable name:** INCDRCA

**Based on:** INCDADR

**Description:** This derived variable is a distribution of respondents in deciles (ten categories including approximately the same percentage of residents for each province) based on their value for INCDADR, ie. the adjusted ratio of their total household income to the low income cut-off corresponding to their household and community size. It provides, for each respondent, a relative measure of their household income to the household incomes of all other respondents.

**Note:** Deciles are generated using weighted data. Adjusted ratios are presented in increasing order, from smallest to largest, for all 10 provinces irrespective of household and community size. Derived variables are calculated only for valid responses (not stated, refusal and don't know are excluded). Boundaries are determined in order to derive deciles from the total weighted number of cases for which derived variables are calculated. The Territories are excluded from this derived variable.

| Specifications |  |             |       |
|----------------|--|-------------|-------|
| Value          | Condition(s)   | Description | Notes |
| 96             | Residents of Territories excluded  | N/A         | NA    |
| 99             | INCDADR = 9.999999999  | Not stated  | NS    |
| 1              | First 10% of respondents from the ascending list of adjusted ratios (INCDADR)  | Decile 1    |       |
| 2              | Second 10% of respondents from the ascending list of adjusted ratios (INCDADR) | Decile 2    |       |
| 3              | Third 10% of respondents from the ascending list of adjusted ratios (INCDADR)  | Decile 3    |       |
| 4              | Fourth 10% of respondents from the ascending list of adjusted ratios (INCDADR) | Decile 4    |       |
| 5              | Fifth 10% of respondents from the ascending list of adjusted ratios (INCDADR)  | Decile 5    |       |

|    |   |           |
|----|---|-----------|
| 6  | Sixth 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 6  |
| 7  | Seventh 10% of respondents from the ascending list of adjusted ratios (INCDADR) | Decile 7  |
| 8  | Eighth 10% of respondents from the ascending list of adjusted ratios (INCDADR)  | Decile 8  |
| 9  | Ninth 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 9  |
| 10 | Tenth 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 10 |

## 5) Distribution of household income - Provincial level

**Variable name:** INCDRPR

**Based on:** INCDADR, GEO\_PRV

**Description:** This derived variable is a distribution of residents of each province in deciles (ten categories including approximately the same percentage of residents for each province) based on their value for INCDADR, ie. the adjusted ratio of their total household income to the low income cut-off corresponding to their household and community size. It provides, for each respondent, a relative measure of their household income to the household incomes of all other respondents in the same province. The Territories are excluded from this derived variable.

**Note:** Deciles are generated using weighted data. Adjusted ratios are presented in increasing order, from smallest to largest, for each of the 10 provinces irrespective of household and community size. Derived variables are calculated only for valid responses (not stated, refusal, etc. are excluded). Boundaries are determined in order to derive deciles from the total weighted number of cases for which derived variables are calculated.

The INCDRPR values are based on a distribution of adjusted ratios for the residents of each of the 10 provinces. This variable should therefore be used in conjunction with the variable for the province of residence (GEO\_PRV).

| Specifications |   |             |       |
|----------------|---|-------------|-------|
| Value          | Condition(s)  | Description | Notes |
| 96             | Residents of territories excluded   | N/A         | NA    |
| 99             | INCDADR = 9.999999999   | Not stated  | NS    |
| 1              | First 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 1    |       |
| 2              | Second 10% of respondents from the ascending list of adjusted ratios (INCDADR)  | Decile 2    |       |
| 3              | Third 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 3    |       |
| 4              | Fourth 10% of respondents from the ascending list of adjusted ratios (INCDADR)  | Decile 4    |       |
| 5              | Fifth 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 5    |       |
| 6              | Sixth 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 6    |       |
| 7              | Seventh 10% of respondents from the ascending list of adjusted ratios (INCDADR) | Decile 7    |       |
| 8              | Eighth 10% of respondents from the ascending list of adjusted ratios (INCDADR)  | Decile 8    |       |
| 9              | Ninth 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 9    |       |

|    |   |           |
|----|---|-----------|
| 10 | Tenth 10% of respondents from the ascending list of adjusted ratios (INCDADR) | Decile 10 |
|----|---|-----------|

## 6) Distribution of household income - Health region level

**Variable name:** INCDRRS

**Based on:** INCDADR, GEO\_DHR4

**Description:** This derived variable is a distribution of residents of each health region in deciles (ten categories including approximately the same percentage of residents for each province) based on their value for INCDADR, ie. the adjusted ratio of their total household income to the low income cut-off corresponding to their household and community size. It provides, for each respondent, a relative measure of their household income to the household incomes of all other respondents in the same health region. The Territories are excluded from this derived variable.

**Note:** Deciles are generated using weighted data. Adjusted ratios are presented in increasing order, from smallest to largest, for each of the 121 health regions irrespective of household and community size. Derived variables are calculated only for valid responses (not stated, refusal, etc. are excluded). Boundaries are determined in order to derive deciles from the total weighted number of cases for which derived variables are calculated.

The INCDRRS values are based on a distribution of adjusted ratios for the residents of each of the 122 health regions. This variable should therefore be used in conjunction with the variable for the health region province of residence (GEO\_DHR4).

### Specifications

| Value | Condition(s)  | Description | Notes |
|-------|---|-------------|-------|
| 96    | Residents of Territories excluded   | N/A         | NA    |
| 99    | INCDADR = 9.999999999   | Not stated  | NS    |
| 1     | First 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 1    |       |
| 2     | Second 10% of respondents from the ascending list of adjusted ratios (INCDADR)  | Decile 2    |       |
| 3     | Third 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 3    |       |
| 4     | Fourth 10% of respondents from the ascending list of adjusted ratios (INCDADR)  | Decile 4    |       |
| 5     | Fifth 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 5    |       |
| 6     | Sixth 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 6    |       |
| 7     | Seventh 10% of respondents from the ascending list of adjusted ratios (INCDADR) | Decile 7    |       |
| 8     | Eighth 10% of respondents from the ascending list of adjusted ratios (INCDADR)  | Decile 8    |       |
| 9     | Ninth 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 9    |       |
| 10    | Tenth 10% of respondents from the ascending list of adjusted ratios (INCDADR)   | Decile 10   |       |



## Injuries (4 DVs)

| Temporary Reformat |   |             |   |
|--------------------|---|-------------|---|
| Value              | Condition(s)  | Description | Notes                                   |
| <b>INWTSIC</b>     |   |             |   |
| LBSCSIC            | INW_1 = 1 and<br>LBSCSIC not in (7,8,9)<br>else INWTSIC = INWCSIC |             |   |
| <b>INWTSOC</b>     |   |             |   |
|                    | If INW_1 = 1 then INWTSOC = LBSCSOC else<br>INWTSOC = INWCSOC     |             | Based on: INW_1,<br>INWCSOC,<br>LBSCSOC |

## 1) Type of Injury by Body Site

|                       |   |
|-----------------------|---|
| <b>Variable name:</b> | INJDTBS   |
| <b>Based on:</b>      | INJ_05, INJ_06, INJ_07  |
| <b>Description:</b>   | This variable categorizes injury type by body site.   |
| <b>Note:</b>          | <p>This variable was derived by creating a matrix between all possible answers in question INJ_05 (type of injury) with all possible answers in questions INJ_06 and INJ_07 (body part injured). Each combination in the matrix was given a unique code, except for those combinations that are deemed impossible (e.g. dislocation of the eyes).</p> <p>Note that the answer category « hand-wrist » is, since 2003, divided in two separate categories (INJ_06=7 and INJ_07=8). These have to be merged in order to compare the 2003 results with the preceding reference periods.</p> <p>Respondents who did not suffer injuries in the 12 months before the interview have been excluded from the population.</p> |

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 9996           | DOINJ = 2  | Module not selected  | NA    |
| 9996           | INJ_01=2   | Population exclusions  | NA    |
| 9999           | (INJ_05=DK, R, NS) or<br>(INJ_06=DK, R, NS) or<br>(INJ_07=DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)                                 | NS    |
| 9999           | [(INJ_05=2, 4, 5) and<br>INJ_06=2] or<br>[INJ_05=4 and<br>INJ_06=10] | Impossible combination<br>(Fractures - Eyes<br>Dislocation - Eyes<br>Sprain or strain - Eyes<br>Dislocation - Thigh) | NS    |
| 101            | INJ_05=1 and<br>INJ_06=1   | Multiple injuries - Multiple sites   |       |
| 102            | INJ_05=1 and<br>INJ_06=2   | Multiple injuries - Eyes   |       |
| 103            | INJ_05=1 and<br>INJ_06=3   | Multiple injuries - Head (excl. eyes)  |       |
| 104            | INJ_05=1 and<br>INJ_06=4   | Multiple injuries - Neck   |       |
| 105            | INJ_05=1 and<br>INJ_06=5   | Multiple injuries - Shoulder, upper arm  |       |
| 106            | INJ_05=1 and<br>INJ_06=6   | Multiple injuries - Elbow, lower arm   |       |
| 108            | INJ_05=1 and<br>INJ_06=9   | Multiple injuries - Hip  |       |
| 109            | INJ_05=1 and<br>INJ_06=10  | Multiple injuries - Thigh  |       |

|     |                           |  |
|-----|---------------------------|--|
| 110 | INJ_05=1 and<br>INJ_06=11 | Multiple injuries - Knee, lower leg                          |
| 111 | INJ_05=1 and<br>INJ_06=12 | Multiple injuries - Ankle, foot                              |
| 112 | INJ_05=1 and<br>INJ_06=13 | Multiple injuries - Upper back or upper spine                |
| 113 | INJ_05=1 and<br>INJ_06=14 | Multiple injuries - Lower back or lower spine                |
| 114 | INJ_05=1 and<br>INJ_06=15 | Multiple injuries - Chest (excl. back and spine)             |
| 115 | INJ_05=1 and<br>INJ_06=16 | Multiple injuries - Abdomen or pelvis (excl. back and spine) |
| 117 | INJ_05=1 and<br>INJ_06=7  | Multiple injuries - Wrist                                    |
| 118 | INJ_05=1 and<br>INJ_06=8  | Multiple injuries - Hand                                     |
| 201 | INJ_05=2 and<br>INJ_06=1  | Fractures - Multiple sites                                   |
| 203 | INJ_05=2 and<br>INJ_06=3  | Fractures - Head (excl. eyes)                                |
| 204 | INJ_05=2 and<br>INJ_06=4  | Fractures - Neck   |
| 205 | INJ_05=2 and<br>INJ_06=5  | Fractures - Shoulder, upper arm                              |
| 206 | INJ_05=2 and<br>INJ_06=6  | Fractures - Elbow, lower arm                                 |
| 208 | INJ_05=2 and<br>INJ_06=9  | Fractures - Hip  |
| 209 | INJ_05=2 and<br>INJ_06=10 | Fractures - Thigh  |
| 210 | INJ_05=2 and<br>INJ_06=11 | Fractures - Knee, lower leg                                  |
| 211 | INJ_05=2 and<br>INJ_06=12 | Fractures - Ankle, foot                                      |
| 212 | INJ_05=2 and<br>INJ_06=13 | Fractures - Upper back or upper spine                        |
| 213 | INJ_05=2 and<br>INJ_06=14 | Fractures - Lower back or lower spine                        |
| 214 | INJ_05=2 and<br>INJ_06=15 | Fractures - Chest (excl. back and spine)                     |
| 215 | INJ_05=2 and<br>INJ_06=16 | Fractures - Abdomen or pelvis (excl. back and spine)         |
| 217 | INJ_05=2 and<br>INJ_06=7  | Fractures - Wrist  |
| 218 | INJ_05=2 and<br>INJ_06=8  | Fractures - Hand   |
| 301 | INJ_05=3 and<br>INJ_06=1  | Burn or scald - Multiple sites                               |
| 302 | INJ_05=3 and<br>INJ_06=2  | Burn or scald - Eyes   |
| 303 | INJ_05=3 and<br>INJ_06=3  | Burn or scald - Head (excl. eyes)                            |

|     |                           |  |
|-----|---------------------------|--|
| 304 | INJ_05=3 and<br>INJ_06=4  | Burn or scald - Neck                                     |
| 305 | INJ_05=3 and<br>INJ_06=5  | Burn or scald - Shoulder, upper arm                      |
| 306 | INJ_05=3 and<br>INJ_06=6  | Burn or scald - Elbow, lower arm                         |
| 308 | INJ_05=3 and<br>INJ_06=9  | Burn or scald - Hip                                      |
| 309 | INJ_05=3 and<br>INJ_06=10 | Burn or scald - Thigh                                    |
| 310 | INJ_05=3 and<br>INJ_06=11 | Burn or scald - Knee, lower leg                          |
| 311 | INJ_05=3 and<br>INJ_06=12 | Burn or scald - Ankle, foot                              |
| 312 | INJ_05=3 and<br>INJ_06=13 | Burn or scald - Upper back or upper spine                |
| 313 | INJ_05=3 and<br>INJ_06=14 | Burn or scald - Lower back or lower spine                |
| 314 | INJ_05=3 and<br>INJ_06=15 | Burn or scald - Chest (excl. back and spine)             |
| 315 | INJ_05=3 and<br>INJ_06=16 | Burn or scald - Abdomen or pelvis (excl. back and spine) |
| 317 | INJ_05=3 and<br>INJ_06=7  | Burn or scald - Wrist                                    |
| 318 | INJ_05=3 and<br>INJ_06=8  | Burn or scald - Hand                                     |
| 401 | INJ_05=4 and<br>INJ_06=1  | Dislocation - Multiple sites                             |
| 403 | INJ_05=4 and<br>INJ_06=3  | Dislocation - Head (excl. eyes)                          |
| 404 | INJ_05=4 and<br>INJ_06=4  | Dislocation - Neck                                       |
| 405 | INJ_05=4 and<br>INJ_06=5  | Dislocation - Shoulder, upper arm                        |
| 406 | INJ_05=4 and<br>INJ_06=6  | Dislocation - Elbow, lower arm                           |
| 408 | INJ_05=4 and<br>INJ_06=9  | Dislocation - Hip  |
| 410 | INJ_05=4 and<br>INJ_06=11 | Dislocation - Knee, lower leg                            |
| 411 | INJ_05=4 and<br>INJ_06=12 | Dislocation - Ankle, foot                                |
| 412 | INJ_05=4 and<br>INJ_06=13 | Dislocation - Upper back or upper spine                  |
| 413 | INJ_05=4 and<br>INJ_06=14 | Dislocation - Lower back or lower spine                  |
| 414 | INJ_05=4 and<br>INJ_06=15 | Dislocation - Chest (excl. back and spine)               |
| 415 | INJ_05=4 and<br>INJ_06=16 | Dislocation - Abdomen or pelvis (excl. back and spine)   |
| 417 | INJ_05=4 and<br>INJ_06=7  | Dislocation - Wrist                                      |

|     |                           |   |
|-----|---------------------------|---|
| 418 | INJ_05=4 and<br>INJ_06=8  | Dislocation - Hand  |
| 501 | INJ_05=5 and<br>INJ_06=1  | Sprain or strain - Multiple sites                           |
| 503 | INJ_05=5 and<br>INJ_06=3  | Sprain or strain - Head (excl. eyes)                        |
| 504 | INJ_05=5 and<br>INJ_06=4  | Sprain or strain - Neck                                     |
| 505 | INJ_05=5 and<br>INJ_06=5  | Sprain or strain - Shoulder, upper arm                      |
| 506 | INJ_05=5 and<br>INJ_06=6  | Sprain or strain - Elbow, lower arm                         |
| 508 | INJ_05=5 and<br>INJ_06=9  | Sprain or strain - Hip                                      |
| 509 | INJ_05=5 and<br>INJ_06=10 | Sprain or strain - Thigh                                    |
| 510 | INJ_05=5 and<br>INJ_06=11 | Sprain or strain - Knee, lower leg                          |
| 511 | INJ_05=5 and<br>INJ_06=12 | Sprain or strain - Ankle, foot                              |
| 512 | INJ_05=5 and<br>INJ_06=13 | Sprain or strain - Upper back or upper spine                |
| 513 | INJ_05=5 and<br>INJ_06=14 | Sprain or strain - Lower back or lower spine                |
| 514 | INJ_05=5 and<br>INJ_06=15 | Sprain or strain - Chest (excl. back and spine)             |
| 515 | INJ_05=5 and<br>INJ_06=16 | Sprain or strain - Abdomen or pelvis (excl. back and spine) |
| 517 | INJ_05=5 and<br>INJ_06=7  | Sprain or strain - Wrist                                    |
| 518 | INJ_05=5 and<br>INJ_06=8  | Sprain or strain - Hand                                     |
| 601 | INJ_05=6 and<br>INJ_06=1  | Cut, puncture, bite - Multiple sites                        |
| 602 | INJ_05=6 and<br>INJ_06=2  | Cut, puncture, bite - Eyes                                  |
| 603 | INJ_05=6 and<br>INJ_06=3  | Cut, puncture, bite - Head (excl. eyes)                     |
| 604 | INJ_05=6 and<br>INJ_06=4  | Cut, puncture, bite - Neck                                  |
| 605 | INJ_05=6 and<br>INJ_06=5  | Cut, puncture, bite - Shoulder, upper arm                   |
| 606 | INJ_05=6 and<br>INJ_06=6  | Cut, puncture, bite - Elbow, lower arm                      |
| 608 | INJ_05=6 and<br>INJ_06=9  | Cut, puncture, bite - Hip                                   |
| 609 | INJ_05=6 and<br>INJ_06=10 | Cut, puncture, bite - Thigh                                 |
| 610 | INJ_05=6 and<br>INJ_06=11 | Cut, puncture, bite - Knee, lower leg                       |
| 611 | INJ_05=6 and<br>INJ_06=12 | Cut, puncture, bite - Ankle, foot                           |

|      |                           |  |
|------|---------------------------|--|
| 612  | INJ_05=6 and<br>INJ_06=13 | Cut, puncture, bite - Upper back or upper spine                |
| 613  | INJ_05=6 and<br>INJ_06=14 | Cut, puncture, bite - Lower back or lower spine                |
| 614  | INJ_05=6 and<br>INJ_06=15 | Cut, puncture, bite - Chest (excl. back and spine)             |
| 615  | INJ_05=6 and<br>INJ_06=16 | Cut, puncture, bite - Abdomen or pelvis (excl. back and spine) |
| 617  | INJ_05=6 and<br>INJ_06=7  | Cut, puncture, bite - Wrist                                    |
| 618  | INJ_05=6 and<br>INJ_06=8  | Cut, puncture, bite - Hand                                     |
| 701  | INJ_05=7 and<br>INJ_06=1  | Scrape, bruise - Multiple sites                                |
| 702  | INJ_05=7 and<br>INJ_06=2  | Scrape, bruise - Eyes  |
| 703  | INJ_05=7 and<br>INJ_06=3  | Scrape, bruise - Head (excl. eyes)                             |
| 704  | INJ_05=7 and<br>INJ_06=4  | Scrape, bruise - Neck  |
| 705  | INJ_05=7 and<br>INJ_06=5  | Scrape, bruise - Shoulder, upper arm                           |
| 706  | INJ_05=7 and<br>INJ_06=6  | Scrape, bruise - Elbow, lower arm                              |
| 708  | INJ_05=7 and<br>INJ_06=9  | Scrape, bruise - Hip   |
| 709  | INJ_05=7 and<br>INJ_06=10 | Scrape, bruise - Thigh   |
| 710  | INJ_05=7 and<br>INJ_06=11 | Scrape, bruise - Knee, lower leg                               |
| 711  | INJ_05=7 and<br>INJ_06=12 | Scrape, bruise - Ankle, foot                                   |
| 712  | INJ_05=7 and<br>INJ_06=13 | Scrape, bruise - Upper back or upper spine                     |
| 713  | INJ_05=7 and<br>INJ_06=14 | Scrape, bruise - Lower back or lower spine                     |
| 714  | INJ_05=7 and<br>INJ_06=15 | Scrape, bruise - Chest (excl. back and spine)                  |
| 715  | INJ_05=7 and<br>INJ_06=16 | Scrape, bruise - Abdomen or pelvis (excl. back and spine)      |
| 717  | INJ_05=7 and<br>INJ_06=7  | Scrape, bruise - Wrist   |
| 718  | INJ_05=7 and<br>INJ_06=8  | Scrape, bruise - Hand  |
| 800  | INJ_05=8                  | Concussion, brain injury - Head (excl. eyes)                   |
| 900  | INJ_05=9                  | Poisoning - Systemic effect                                    |
| 1014 | INJ_05=10 and<br>INJ_07=1 | Injury to internal organs - Chest (within rib cage)            |
| 1015 | INJ_05=10 and<br>INJ_07=2 | Injury to internal organs - Abdomen or pelvis (below ribs)     |

|      |                            |   |
|------|----------------------------|---|
| 1016 | INJ_05=10 and<br>INJ_07=3  | Injury to internal organs - Other site                      |
| 1101 | INJ_05=11 and<br>INJ_06=1  | Other injury - Multiple sites                               |
| 1102 | INJ_05=11 and<br>INJ_06=2  | Other injury - Eyes   |
| 1103 | INJ_05=11 and<br>INJ_06=3  | Other injury - Head (excluding eyes)                        |
| 1104 | INJ_05=11 and<br>INJ_06=4  | Other injury - Neck   |
| 1105 | INJ_05=11 and<br>INJ_06=5  | Other injury - Shoulder, upper arm                          |
| 1106 | INJ_05=11 and<br>INJ_06=6  | Other injury - Elbow, lower arm                             |
| 1108 | INJ_05=11 and<br>INJ_06=9  | Other injury - Hip  |
| 1109 | INJ_05=11 and<br>INJ_06=10 | Other injury - Thigh  |
| 1110 | INJ_05=11 and<br>INJ_06=11 | Other injury - Knee, lower leg                              |
| 1111 | INJ_05=11 and<br>INJ_06=12 | Other injury - Ankle, foot                                  |
| 1112 | INJ_05=11 and<br>INJ_06=13 | Other injury - Upper back or upper spine                    |
| 1113 | INJ_05=11 and<br>INJ_06=14 | Other injury - Lower back or lower spine                    |
| 1114 | INJ_05=11 and<br>INJ_06=15 | Other injury - Chest (excluding back and spine)             |
| 1115 | INJ_05=11 and<br>INJ_06=16 | Other injury - Abdomen or pelvis (excluding back and spine) |
| 1117 | INJ_05=11 and<br>INJ_06=7  | Other injury - Wrist  |
| 1118 | INJ_05=11 and<br>INJ_06=8  | Other injury - Hand   |

## 2) Cause of Injury

**Variable name:** INJDCAU

**Based on:** INJ\_10, INJ\_12

**Description:** This variable categorizes the respondent's cause of injury.

**Note:** Respondents who did not suffer any injuries in the 12 months before the interview have been excluded from the population.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 96             | DOINJ = 2   | Module not selected  | NA    |
| 96             | INJ_01 = 2 or INJ_10 = 6                            | Population exclusion   | NA    |
| 99             | (INJ_10 = 2, DK, R, NS) and<br>(INJ_12 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

|    |             |   |
|----|-------------|---|
| 1  | INJ_10 = 1  | Fall (excluding transport)                                    |
| 2  | INJ_12 = 1  | Transportation accident                                       |
| 3  | INJ_12 = 2  | Accidentally bumped, pushed, bitten, etc. by person or animal |
| 4  | INJ_12 = 3  | Accidentally struck or crushed                                |
| 5  | INJ_12 = 4  | Accidental contact - sharp object, tool, machine              |
| 6  | INJ_12 = 5  | Smoke, fire, flames   |
| 7  | INJ_12 = 6  | Accidental contact - hot object, liquid or gas                |
| 8  | INJ_12 = 7  | Extreme weather or natural disaster                           |
| 9  | INJ_12 = 8  | Overexertion or strenuous movement                            |
| 10 | INJ_12 = 9  | Physical assault  |
| 11 | INJ_12 = 10 | Other   |

### 3) Cause of Injury by Place of Occurrence

**Variable name:** INJDCBP

**Based on:** INJ\_08, INJDCAU

**Description:** This variable categorizes cause of injury by its place of occurrence.

**Note:** This variable was derived by creating a matrix between all possible answers in the derived variable INJDCAU (cause of injury) with all possible answers in question INJ\_08 (place of occurrence). The 'Other cause of injury' category can include such accidents as those caused by electrical current, firearms, and ski-lifts. Respondents who did not suffer any injuries in the 12 months before the interview have been excluded from the population.

| Specifications |                                    |   |       |
|----------------|------------------------------------|---|-------|
| Value          | Condition(s)                       | Description   | Notes |
| 9996           | DOINJ = 2                          | Module not selected   | NA    |
| 9996           | INJ_01 = 2 or INJDCAU = 96         | Population exclusion  | NA    |
| 9999           | (INJ_08 = DK, R, NS) or INJDCAU=NS | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| 100            | INJDCAU=1 and INJ_08=1             | Fall - Home   |       |
| 110            | INJDCAU=1 and INJ_08=2             | Fall - Residential institution  |       |
| 120            | INJDCAU=1 and INJ_08=3             | Fall - School, college, university (excluding sports areas)                       |       |
| 130            | INJDCAU=1 and INJ_08=6             | Fall - Other institution  |       |
| 141            | INJDCAU=1 and INJ_08=4             | Fall - Sports or athletics area of school, college, university                    |       |
| 142            | INJDCAU=1 and INJ_08=5             | Fall - Other sports or athletics area (excluding school, college, university)     |       |
| 150            | INJDCAU=1 and INJ_08=7             | Fall - Street, highway, sidewalk  |       |
| 160            | INJDCAU=1 and INJ_08=8             | Fall - Commercial area  |       |

|     |                            |  |
|-----|----------------------------|--|
| 170 | INJDCAU=1 and<br>INJ_08=9  | Fall - Industrial, construction area   |
| 180 | INJDCAU=1 and<br>INJ_08=10 | Fall - Farm  |
| 191 | INJDCAU=1 and<br>INJ_08=11 | Fall - Countryside, forest, lake, ocean, mountains,<br>prairie, etc.                         |
| 192 | INJDCAU=1 and<br>INJ_08=12 | Fall - Other place   |
| 200 | INJDCAU=2 and<br>INJ_08=1  | Transportation - Home  |
| 210 | INJDCAU=2 and<br>INJ_08=2  | Transportation - Residential institution   |
| 220 | INJDCAU=2 and<br>INJ_08=3  | Transportation - School, college, university<br>(excluding sports areas)                     |
| 230 | INJDCAU=2 and<br>INJ_08=6  | Transportation - Other institution   |
| 241 | INJDCAU=2 and<br>INJ_08=4  | Transportation - Sports or athletics area of school,<br>college, university                  |
| 242 | INJDCAU=2 and<br>INJ_08=5  | Transportation - Other sports or athletics area<br>(excluding school, college, university)   |
| 250 | INJDCAU=2 and<br>INJ_08=7  | Transportation - Street, highway, sidewalk   |
| 260 | INJDCAU=2 and<br>INJ_08=8  | Transportation - Commercial area   |
| 270 | INJDCAU=2 and<br>INJ_08=9  | Transportation - Industrial, construction area   |
| 280 | INJDCAU=2 and<br>INJ_08=10 | Transportation - Farm  |
| 291 | INJDCAU=2 and<br>INJ_08=11 | Transportation - Countryside, forest, lake, ocean,<br>mountains, prairie, etc.               |
| 292 | INJDCAU=2 and<br>INJ_08=12 | Transportation - Other place   |
| 300 | INJDCAU=3 and<br>INJ_08=1  | Bump, push, bite - Home  |
| 310 | INJDCAU=3 and<br>INJ_08=2  | Bump, push, bite - Residential institution   |
| 320 | INJDCAU=3 and<br>INJ_08=3  | Bump, push, bite - School, college, university<br>(excluding sports areas)                   |
| 330 | INJDCAU=3 and<br>INJ_08=6  | Bump, push, bite - Other institution   |
| 341 | INJDCAU=3 and<br>INJ_08=4  | Bump, push, bite - Sports or athletics area of<br>school, college, university                |
| 342 | INJDCAU=3 and<br>INJ_08=5  | Bump, push, bite - Other sports or athletics area<br>(excluding school, college, university) |
| 350 | INJDCAU=3 and<br>INJ_08=7  | Bump, push, bite - Street, highway, sidewalk   |
| 360 | INJDCAU=3 and<br>INJ_08=8  | Bump, push, bite - Commercial area   |
| 370 | INJDCAU=3 and<br>INJ_08=9  | Bump, push, bite - Industrial, construction area   |
| 380 | INJDCAU=3 and<br>INJ_08=10 | Bump, push, bite - Farm  |



|     |                            |  |
|-----|----------------------------|--|
| 391 | INJDCAU=3 and<br>INJ_08=11 | Bump, push, bite - Countryside, forest, lake, ocean,<br>mountains, prairie, etc.                   |
| 392 | INJDCAU=3 and<br>INJ_08=12 | Bump, push, bite - Other place   |
| 400 | INJDCAU=4 and<br>INJ_08=1  | Struck, crush (object) - Home  |
| 410 | INJDCAU=4 and<br>INJ_08=2  | Struck, crush (object) - Residential institution   |
| 420 | INJDCAU=4 and<br>INJ_08=3  | Struck, crush (object) - School, college, university<br>(excluding sports areas)                   |
| 430 | INJDCAU=4 and<br>INJ_08=6  | Struck, crush (object) - Other institution   |
| 441 | INJDCAU=4 and<br>INJ_08=4  | Struck, crush (object) - Sports or athletics area of<br>school, college, university                |
| 442 | INJDCAU=4 and<br>INJ_08=5  | Struck, crush (object) - Other sports or athletics<br>area (excluding school, college, university) |
| 450 | INJDCAU=4 and<br>INJ_08=7  | Struck, crush (object) - Street, highway, sidewalk   |
| 460 | INJDCAU=4 and<br>INJ_08=8  | Struck, crush (object) - Commercial area   |
| 470 | INJDCAU=4 and<br>INJ_08=9  | Struck, crush (object) - Industrial, construction area   |
| 480 | INJDCAU=4 and<br>INJ_08=10 | Struck, crush (object) - Farm  |
| 491 | INJDCAU=4 and<br>INJ_08=11 | Struck, crush (object) - Countryside, forest, lake,<br>ocean, mountains, prairie, etc.             |
| 492 | INJDCAU=4 and<br>INJ_08=12 | Struck, crush (object) - Other place   |
| 500 | INJDCAU=5 and<br>INJ_08=1  | Contact, sharp object - Home   |
| 510 | INJDCAU=5 and<br>INJ_08=2  | Contact, sharp object - Residential institution  |
| 520 | INJDCAU=5 and<br>INJ_08=3  | Contact, sharp object - School, college, university<br>(excluding sports areas)                    |
| 530 | INJDCAU=5 and<br>INJ_08=6  | Contact, sharp object - Other institution  |
| 541 | INJDCAU=5 and<br>INJ_08=4  | Contact, sharp object - Sports or athletics area of<br>school, college, university                 |
| 542 | INJDCAU=5 and<br>INJ_08=5  | Contact, sharp object - Other sports or athletics<br>area (excluding school, college, university)  |
| 550 | INJDCAU=5 and<br>INJ_08=7  | Contact, sharp object - Street, highway, sidewalk  |
| 560 | INJDCAU=5 and<br>INJ_08=8  | Contact, sharp object - Commercial area  |
| 570 | INJDCAU=5 and<br>INJ_08=9  | Contact, sharp object - Industrial, construction area  |
| 580 | INJDCAU=5 and<br>INJ_08=10 | Contact, sharp object - Farm   |
| 591 | INJDCAU=5 and<br>INJ_08=11 | Contact, sharp object - Countryside, forest, lake,<br>ocean, mountains, prairie, etc.              |
| 592 | INJDCAU=5 and<br>INJ_08=12 | Contact, sharp object - Other place  |

|     |                            |  |
|-----|----------------------------|--|
| 600 | INJDCAU=6 and<br>INJ_08=1  | Smoke, fire, flames - Home   |
| 610 | INJDCAU=6 and<br>INJ_08=2  | Smoke, fire, flames - Residential institution  |
| 620 | INJDCAU=6 and<br>INJ_08=3  | Smoke, fire, flames - School, college, university<br>(excluding sports areas)                                  |
| 630 | INJDCAU=6 and<br>INJ_08=6  | Smoke, fire, flames - Other institution  |
| 641 | INJDCAU=6 and<br>INJ_08=4  | Smoke, fire, flames - Sports or athletics area of<br>school, college, university                               |
| 642 | INJDCAU=6 and<br>INJ_08=5  | Smoke, fire, flames - Other sports or athletics area<br>(excluding school, college, university)                |
| 650 | INJDCAU=6 and<br>INJ_08=7  | Smoke, fire, flames - Street, highway, sidewalk  |
| 660 | INJDCAU=6 and<br>INJ_08=8  | Smoke, fire, flames - Commercial area  |
| 670 | INJDCAU=6 and<br>INJ_08=9  | Smoke, fire, flames - Industrial, construction area  |
| 680 | INJDCAU=6 and<br>INJ_08=10 | Smoke, fire, flames - Farm   |
| 691 | INJDCAU=6 and<br>INJ_08=11 | Smoke, fire, flames - Countryside, forest, lake,<br>ocean, mountains, prairie, etc.                            |
| 692 | INJDCAU=6 and<br>INJ_08=12 | Smoke, fire, flames - Other place  |
| 700 | INJDCAU=7 and<br>INJ_08=1  | Contact, hot object, liquid or gas - Home  |
| 710 | INJDCAU=7 and<br>INJ_08=2  | Contact, hot object, liquid or gas - Residential<br>institution  |
| 720 | INJDCAU=7 and<br>INJ_08=3  | Contact, hot object, liquid or gas - School, college,<br>university (excluding sports areas)                   |
| 730 | INJDCAU=7 and<br>INJ_08=6  | Contact, hot object, liquid or gas - Other institution   |
| 741 | INJDCAU=7 and<br>INJ_08=4  | Contact, hot object, liquid or gas - Sports or athletics<br>area of school, college, university                |
| 742 | INJDCAU=7 and<br>INJ_08=5  | Contact, hot object, liquid or gas - Other sports or<br>athletics area (excluding school, college, university) |
| 750 | INJDCAU=7 and<br>INJ_08=7  | Contact, hot object, liquid or gas - Street, highway,<br>sidewalk  |
| 760 | INJDCAU=7 and<br>INJ_08=8  | Contact, hot object, liquid or gas - Commercial area   |
| 770 | INJDCAU=7 and<br>INJ_08=9  | Contact, hot object, liquid or gas - Industrial,<br>construction area  |
| 780 | INJDCAU=7 and<br>INJ_08=10 | Contact, hot object, liquid or gas - Farm  |
| 791 | INJDCAU=7 and<br>INJ_08=11 | Contact, hot object, liquid or gas - Countryside,<br>forest, lake, ocean, mountains, prairie, etc.             |
| 792 | INJDCAU=7 and<br>INJ_08=12 | Contact, hot object, liquid or gas - Other place   |
| 800 | INJDCAU=8 and<br>INJ_08=1  | Weather, natural disaster - Home   |
| 810 | INJDCAU=8 and<br>INJ_08=2  | Weather, natural disaster - Residential institution  |

|      |                            |  |
|------|----------------------------|--|
| 820  | INJDCAU=8 and<br>INJ_08=3  | Weather, natural disaster - School, college,<br>university (excluding sports areas)                      |
| 830  | INJDCAU=8 and<br>INJ_08=6  | Weather, natural disaster - Other institution  |
| 841  | INJDCAU=8 and<br>INJ_08=4  | Weather, natural disaster - Sports or athletics area<br>of school, college, university                   |
| 842  | INJDCAU=8 and<br>INJ_08=5  | Weather, natural disaster - Other sports or athletics<br>area (excluding school, college, university)    |
| 850  | INJDCAU=8 and<br>INJ_08=7  | Weather, natural disaster - Street, highway, sidewalk  |
| 860  | INJDCAU=8 and<br>INJ_08=8  | Weather, natural disaster - Commercial area  |
| 870  | INJDCAU=8 and<br>INJ_08=9  | Weather, natural disaster - Industrial, construction<br>area   |
| 880  | INJDCAU=8 and<br>INJ_08=10 | Weather, natural disaster - Farm   |
| 891  | INJDCAU=8 and<br>INJ_08=11 | Weather, natural disaster - Countryside, forest, lake,<br>ocean, mountains, prairie, etc.                |
| 892  | INJDCAU=8 and<br>INJ_08=12 | Weather, natural disaster - Other place  |
| 900  | INJDCAU=9 and<br>INJ_08=1  | Overextension, strenuous move - Home   |
| 910  | INJDCAU=9 and<br>INJ_08=2  | Overexertion, strenuous move - Residential<br>institution  |
| 920  | INJDCAU=9 and<br>INJ_08=3  | Overexertion, strenuous move - School, college,<br>university (excluding sports areas)                   |
| 930  | INJDCAU=9 and<br>INJ_08=6  | Overexertion, strenuous move - Other institution   |
| 941  | INJDCAU=9 and<br>INJ_08=4  | Overexertion, strenuous move - Sports or athletics<br>area of school, college, university                |
| 942  | INJDCAU=9 and<br>INJ_08=5  | Overexertion, strenuous move - Other sports or<br>athletics area (excluding school, college, university) |
| 950  | INJDCAU=9 and<br>INJ_08=7  | Overexertion, strenuous move - Street, highway,<br>sidewalk  |
| 960  | INJDCAU=9 and<br>INJ_08=8  | Overexertion, strenuous move - Commercial area   |
| 970  | INJDCAU=9 and<br>INJ_08=9  | Overexertion, strenuous move - Industrial,<br>construction area  |
| 980  | INJDCAU=9 and<br>INJ_08=10 | Overexertion, strenuous move - Farm  |
| 991  | INJDCAU=9 and<br>INJ_08=11 | Overexertion, strenuous move - Countryside, forest,<br>lake, ocean, mountains, prairie, etc.             |
| 992  | INJDCAU=9 and<br>INJ_08=12 | Overexertion, strenuous move - Other place   |
| 1000 | INJDCAU=10 and<br>INJ_08=1 | Assault - Home   |
| 1010 | INJDCAU=10 and<br>INJ_08=2 | Assault - Residential institution  |
| 1020 | INJDCAU=10 and<br>INJ_08=3 | Assault - School, college, university (excluding<br>sports areas)  |
| 1030 | INJDCAU=10 and<br>INJ_08=6 | Assault - Other institution  |

|      |                             |   |
|------|-----------------------------|---|
| 1041 | INJDCAU=10 and<br>INJ_08=4  | Assault - Sports or athletics area of school, college,<br>university                    |
| 1042 | INJDCAU=10 and<br>INJ_08=5  | Assault - Other sports or athletics area (excluding<br>school, college, university)     |
| 1050 | INJDCAU=10 and<br>INJ_08=7  | Assault - Street, highway, sidewalk   |
| 1060 | INJDCAU=10 and<br>INJ_08=8  | Assault - Commercial area   |
| 1070 | INJDCAU=10 and<br>INJ_08=9  | Assault - Industrial, construction area   |
| 1080 | INJDCAU=10 and<br>INJ_08=10 | Assault - Farm  |
| 1091 | INJDCAU=10 and<br>INJ_08=11 | Assault - Countryside, forest, lake, ocean,<br>mountains, prairie, etc.                 |
| 1092 | INJDCAU=10 and<br>INJ_08=12 | Assault - Other place   |
| 1100 | INJDCAU=11 and<br>INJ_08=1  | Other cause - Home  |
| 1110 | INJDCAU=11 and<br>INJ_08=2  | Other cause - Residential institution   |
| 1120 | INJDCAU=11 and<br>INJ_08=3  | Other cause - School, college, university (excluding<br>sports areas)                   |
| 1130 | INJDCAU=11 and<br>INJ_08=6  | Other cause - Other institution   |
| 1141 | INJDCAU=11 and<br>INJ_08=4  | Other cause - Sports or athletics area of school,<br>college, university                |
| 1142 | INJDCAU=11 and<br>INJ_08=5  | Other cause - Other sports or athletics area<br>(excluding school, college, university) |
| 1150 | INJDCAU=11 and<br>INJ_08=7  | Other cause - Street, highway, sidewalk   |
| 1160 | INJDCAU=11 and<br>INJ_08=8  | Other cause - Commercial area   |
| 1170 | INJDCAU=11 and<br>INJ_08=9  | Other cause - Industrial, construction area   |
| 1180 | INJDCAU=11 and<br>INJ_08=10 | Other cause - Farm  |
| 1191 | INJDCAU=11 and<br>INJ_08=11 | Other cause - Countryside, forest, lake, ocean,<br>mountains, prairie, etc.             |
| 1192 | INJDCAU=11 and<br>INJ_08=12 | Other cause - Other place   |

#### 4 ) Injury Status

**Variable name:** INJDSTT

**Based on:** INJ\_01, INJ\_16

**Description:** This variable indicates the injury status of the respondent.

| Specifications |              |                     |       |
|----------------|--------------|---------------------|-------|
| Value          | Condition(s) | Description         | Notes |
| 6              | DOINJ = 2    | Module not selected | NA    |
| June 2010      |              |                     |       |

|   |   |  |    |
|---|---|--|----|
| 9 | (INJ_01=DK, R, NS) or<br>(INJ_16=DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |
| 0 | INJ_01=2 and<br>INJ_16=2                    | No injuries  |    |
| 1 | INJ_01=1 and<br>INJ_16=2                    | Activity-limiting injury only  |    |
| 2 | INJ_01=2 and<br>INJ_16=1                    | Treated (non-activity limiting) injury only  |    |
| 3 | INJ_01=1 and<br>INJ_16=1                    | Both activity-limiting and treated (non-activity<br>limiting) injuries               |    |

## Workplace injury (2 DVs)

| Temporary Reformat |              |  |       |
|--------------------|--------------|--|-------|
| Value              | Condition(s) | Description  | Notes |
| <b>INWTSIC</b>     |              |  |       |
| LBSCSIC            | INW_1 = 1    | Job industry in which injury occurred. Occurred in current main job. Industry code taken from Labour Force Module (LBS).     |       |
| INWCSIC            | INW_1 <> 1   | Job industry in which injury occurred. Did not occur in current main job. Industry code derived from INW module.             |       |
| <b>INWTSOC</b>     |              |  |       |
| LBSCSOC            | INW_1 = 1    | Job occupation in which injury occurred. Occurred in current main job. Occupation code taken from Labour Force Module (LBS). |       |
| INWCSOC            | INW_1 <> 1   | Job occupation in which injury occurred. Did not occur in current main job. Occupation code derived from INW module.         |       |

### 1 ) Injury at Work - Occupation Group

**Variable name:** INWDOCG

**Based on:** DHH\_AGE, LBSDWSS, INWTSOC

**Description:** This derived variable identifies the occupation group in which the injury at work occurred.

**Note:** Industry group is based on the National Occupational Classification Statistics (NOC-S) 2006 at the 1-digit level.

| Temporary Reformat   |                             |             |       |
|----------------------|-----------------------------|-------------|-------|
| Value                | Condition(s)                | Description | Notes |
| <b>INWTSOC</b>       |                             |             |       |
| 1st digit in INWTSOC | INWTSOC <> (9997,9998,9999) |             |       |

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)   | Description   | Notes |
| 96             | DHH_AGE < 15 or<br>DHH_AGE > 75 or<br>LBSDWSS = 3 OR 4 | Population exclusion  | NA    |
| 99             | INWTSOC = (DK, R, NS)                                  | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| 95             | INWTSOC = XXXX   | Could not be coded  |       |
| 01             | INWTSOC = A  | Management Occupations  |       |
|                | INWTSOC = B  | Business, Finance and Administration Occupations                                  |       |
|                | INWTSOC = C  | Natural and Applied Sciences and Related Occupations                              |       |
|                | INWTSOC = D  | Health Occupations  |       |
|                | INWTSOC = E  | Occupations in Social Science, Education, Government Service and Religion         |       |
|                | INWTSOC = F  | Occupations in Art, Culture, Recreation and Sport                                 |       |
|                | INWTSOC = G  | Sales and Service Occupations   |       |

|             |   |
|-------------|---|
| INWTSOC = H | Trades, Transport and Equipment Operators and Related Occupations |
| INWTSOC = I | Occupations Unique to Primary Industry                            |
| INWTSOC = J | Occupations Unique to Processing, Manufacturing and Utilities     |

## 2) Injury at work - Industry Group

**Variable name:** INWDING

**Based on:** INWTSIC, DHH\_AGE, LBSDWSS

**Description:** This derived variable identifies the industry group in which the injury at work occurred.

**Note:** Industry group is based on the first two digits of the North American Industry Classification System (NAICS) 2007.

| Temporary Reformat        |                                |   |       |
|---------------------------|--------------------------------|---|-------|
| Value                     | Condition(s)                   | Description                               | Notes |
| <b>INWTSIC</b>            |                                |   |       |
| 1st two digits in INWTSIC | INWTSIC <> (99997,99998,99999) | Take short form industry occupation code. |       |

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)   | Description   | Notes |
| 96             | DHH_AGE < 15 or<br>DHH_AGE > 75 or<br>LBSDWSS = 3 OR 4 or<br>INJ_09 <> 3 | Population exclusions   | NA    |
| 99             | INWTSIC = (DK, R, NS)  | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| 95             | INWTSIC = XXXX   | Could not be coded  |       |
| 01             | INWTSIC = 11   | Agriculture, Forestry, Fishing and Hunting  |       |
| 02             | INWTSIC = 21   | Mining, Quarrying, and Oil and Gas Extraction                                     |       |
| 03             | INWTSIC = 22   | Utilities   |       |
| 04             | INWTSIC = 23   | Construction  |       |
| 05             | INWTSIC = 31 or 32 or 33   | Manufacturing   |       |
| 06             | INWTSIC = 41   | Wholesale Trade   |       |
| 07             | INWTSIC = 44 or 45   | Retail Trade  |       |
| 08             | INWTSIC = 48 or 49   | Transportation and Warehousing  |       |
| 09             | INWTSIC = 51   | Information and Cultural Industries   |       |
| 10             | INWTSIC = 52   | Finance and Insurance   |       |
| 11             | INWTSIC = 53   | Real Estate and Rental and Leasing  |       |
| 12             | INWTSIC = 54   | Professional, Scientific and Technical Services                                   |       |
| 13             | INWTSIC = 55   | Management of Companies and Enterprises   |       |
| 14             | INWTSIC = 56   | Administrative and Support, Waste Management and Remediation Services             |       |
| 15             | INWTSIC = 61   | Educational services  |       |

|    |              |   |
|----|--------------|---|
| 16 | INWTSIC = 62 | Health Care and Social Assistance             |
| 17 | INWTSIC = 71 | Arts, Entertainment and Recreation            |
| 18 | INWTSIC = 72 | Accommodation and Food Services               |
| 19 | INWTSIC = 81 | Other Services (except Public Administration) |
| 20 | INWTSIC = 91 | Public Administration                         |



## Labour force (5 DVs)

### 1 ) Total usual hours worked per week

**Variable name:** LBSDHPW

**Based on:** LBS\_42, LBS\_53

**Description:** This variable indicates the total number of hours the respondent worked per week.

**Note:** Respondents aged less than 15 or more than 75 years old or who did not work in the week prior to the interview have been excluded from the population.

| Specifications     |   |  |       |
|--------------------|---|--|-------|
| Value              | Condition(s)                                      | Description  | Notes |
| 996                | DHH_AGE < 15 or<br>DHH_AGE > 75 or<br>LBS_42 = NA | Population exclusion   | NA    |
| 999                | (LBS_42 = DK, R, NS) or<br>(LBS_53 = DK, R, NS)   | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| LBS_42             | LBS_42 < NA and<br>LBS_53 = NA                    | Number of hours usually worked for respondents<br>with one job                       |       |
| LBS_42 +<br>LBS_53 | LBS_42 < NA and<br>LBS_53 < NA                    | Number of total hours usually worked for<br>respondents with more than one job       |       |

### 2 ) Full-time/part-time working status (for total usual hours)

**Variable name:** LBSDPFT

**Based on:** LBSDHPW

**Description:** This variable indicates if the respondent works full-time or part-time.

**Note:** Respondents aged less than 15 or more than 75 years old or who did not work in the week prior to the interview have been excluded from the population.

| Specifications |               |  |       |
|----------------|---------------|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 6              | LBSDHPW = NA  | Population exclusion   | NA    |
| 9              | LBSDHPW = NS  | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| 1              | LBSDHPW >= 30 | Full-time  |       |
| 2              | LBSDHPW < 30  | Part-time  |       |

### 3 ) Working status last week

**Variable name:** LBSDWSS

**Based on:** LBS\_01, LBS\_02

**Description:** This variable classifies the respondent based on his/her working status in the week prior to the interview.

**Note:** Respondents aged less than 15 or more than 75 years old have been excluded from the population.

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)                                 | Description   | Notes |
| 6              | DHH_AGE < 15 or<br>DHH_AGE > 75              | Population exclusion  | NA    |
| 1              | LBS_01 = 1                                   | Worked at a job or business   |       |
| 2              | LBS_02 = 1                                   | Had a job but did not work (absent)   |       |
| 3              | LBS_02 = 2                                   | Did not have a job  |       |
| 4              | LBS_01 = 3                                   | Permanently unable to work  |       |
| 9              | (LBS_02 = DK, R, NS) or (LBS_01 = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | NS    |

#### 4 ) Industry Group

**Variable name:** LBSDING

**Based on:** LBSCSIC

**Description:** This variable indicates the industry group the respondent belongs to using the North American Industry Classification System (NAICS) 2007 at the 2-digit level.

**Note:** Respondents aged less than 15 years or more than 75 years have been excluded from the population.

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 96             | DHH_AGE < 15 or<br>DHH_AGE > 75 or LBSDWSS = 3 or 4 | Population exclusions   | NA    |
| 99             | LBSCSIC = DK, R, NS                                 | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| 01             | 1st 2 digits in LBSCSIC = 11                        | Agriculture, Forestry, Fishing and Hunting  |       |
| 02             | 1st 2 digits in LBSCSIC = 21                        | Mining, Quarrying, and Oil and Gas Extraction                                     |       |
| 03             | 1st 2 digits in LBSCSIC = 22                        | Utilities   |       |
| 04             | 1st 2 digits in LBSCSIC = 23                        | Construction  |       |
| 05             | 1st 2 digits in LBSCSIC = 31 or 32 or 33            | Manufacturing   |       |
| 06             | 1st 2 digits in LBSCSIC = 41                        | Wholesale Trade   |       |
| 07             | 1st 2 digits in LBSCSIC = 44 or<br>LBSCSIC = 45     | Retail Trade  |       |
| 08             | 1st 2 digits in LBSCSIC = 48 or<br>LBSCSIC = 49     | Transportation and Warehousing  |       |
| 09             | 1st 2 digits in LBSCSIC = 51                        | Information and Cultural Industries   |       |
| 10             | 1st 2 digits in LBSCSIC = 52                        | Finance and Insurance   |       |
| 11             | 1st 2 digits in LBSCSIC = 53                        | Real Estate and Rental and Leasing  |       |
| 12             | 1st 2 digits in LBSCSIC = 54                        | Professional, Scientific and Technical Services                                   |       |
| 13             | 1st 2 digits in LBSCSIC = 55                        | Management of Companies and Enterprises   |       |
| 14             | 1st 2 digits in LBSCSIC = 56                        | Administrative and Support, Waste Management and Remediation Services             |       |
| 15             | 1st 2 digits in LBSCSIC = 61                        | Educational Services  |       |

|    |                              |   |
|----|------------------------------|---|
| 16 | 1st 2 digits in LBSCSIC = 62 | Health Care and Social Assistance             |
| 17 | 1st 2 digits in LBSCSIC = 71 | Arts, Entertainment and Recreation            |
| 18 | 1st 2 digits in LBSCSIC = 72 | Accommodation and Food Services               |
| 19 | 1st 2 digits in LBSCSIC = 81 | Other Services (except Public Administration) |
| 20 | 1st 2 digits in LBSCSIC = 91 | Public Administration                         |
| 95 | LBSCSIC = XXXX               | Could not be coded                            |

## 5) Occupation Group

**Variable name:** LBSDOCC

**Based on:** LBSCSOC

**Description:** This variable indicates the occupation group the respondent belongs to using the National Occupational Classification - Statistics (NOC-S) 2006 at the 2-digit level.

**Note:** Respondents aged less than 15 years or more than 75 years have been excluded from the population.

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 96             | DHH_AGE < 15 or<br>DHH_AGE > 75 or LBSDWSS = 3 or 4 | Population exclusions   | NA    |
| 99             | LBSCSOC = DK, R, NS                                 | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| 01             | First digit in LBSCSOC = A                          | Management Occupations  |       |
| 02             | First digit in LBSCSOC = B                          | Business, Finance and Administration Occupations                                  |       |
| 03             | First digit in LBSCSOC = C                          | Natural and Applied Sciences and Related Occupations                              |       |
| 04             | First digit in LBSCSOC = D                          | Health Occupations  |       |
| 05             | First digit in LBSCSOC = E                          | Occupations in Social Science, Education, Government Service and Religion         |       |
| 06             | First digit in LBSCSOC = F                          | Occupations in Art, Culture, Recreation and Sport                                 |       |
| 07             | First digit in LBSCSOC = G                          | Sales and Service Occupations   |       |
| 08             | First digit in LBSCSOC = H                          | Trades, Transport and Equipment Operators and Related Occupations                 |       |
| 09             | First digit in LBSCSOC = I                          | Occupations Unique to Primary Industry  |       |
| 10             | First digit in LBSCSOC = J                          | Occupations Unique to Processing, Manufacturing and Utilities                     |       |
| 95             | LBSCSOC = XXXX                                      | Could not be coded  |       |

## Mastery (1 DV)

| Temporary Reformat              |              |                                     |       |
|---------------------------------|--------------|-------------------------------------|-------|
| Value                           | Condition(s) | Description                         | Notes |
| <b>MAST601</b><br>(MAS_601 – 1) | MAS_601 <= 5 | Rescale the answers for questions   |       |
| <b>MAST602</b><br>(MAS_602 – 1) | MAS_602 <= 5 | Rescale the answers for questions   |       |
| <b>MAST603</b><br>(MAS_603 – 1) | MAS_603 <= 5 | Rescale the answers for questions   |       |
| <b>MAST604</b><br>(MAS_604 – 1) | MAS_604 <= 5 | Rescale the answers for questions   |       |
| <b>MAST605</b><br>(MAS_605 – 1) | MAS_605 <= 5 | Rescale the answers for questions   |       |
| <b>MAST606</b><br>(4 – MAST606) | MAST606 <= 4 | Invert scale for rescaled questions |       |
| (MAS_606 – 1)                   | MAS_606 <= 5 | Rescale the answers for questions   |       |
| <b>MAST607</b><br>(4 – MAST607) | MAST607 <= 4 | Invert scale for rescaled questions |       |
| (MAS_607 – 1)                   | MAS_607 <= 5 | Rescale the answers for questions   |       |

### 1 ) Derived Mastery Scale

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | MASDM1   |
| <b>Based on:</b>      | MAS_601, MAS_602, MAS_603, MAS_604, MAS_605, MAS_606, MAS_607  |
| <b>Description:</b>   | This variable measures sense of mastery, that is, the extent to which individuals believe that their life-chances are under their control. |
| <b>Note:</b>          | Higher scores indicate superior mastery.   |
| <b>Internet site:</b> | <a href="http://www.jstor.org/">www.jstor.org/</a>   |

| Specifications   |   |  |                   |
|--|---|--|-------------------|
| Value  | Condition(s)  | Description  | Notes             |
| 96   | MASFOPT = 2   | Module not selected  | NA                |
| 99   | ADM_PRX = 1   | Module not asked - proxy interview   | NS                |
| 99   | (MAST601 = DK, R, NS) or<br>(MAST602 = DK, R, NS) or<br>(MAST603 = DK, R, NS) or<br>(MAST604 = DK, R, NS) or<br>(MAST605 = DK, R, NS) or<br>(MAST606 = DK, R, NS) or<br>(MAST607 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                |
| MAST601 +<br>MAST602 +<br>MAST603 +<br>MAST604 +<br>MAST605 +<br>MAST606<br>+MAST607 | (0 <= MAST601 <= 4) and<br>(0 <= MAST602 <= 4) and<br>(0 <= MAST603 <= 4) and<br>(0 <= MAST604 <= 4) and<br>(0 <= MAST605 <= 4) and<br>(0 <= MAST606 <= 4) and<br>(0 <= MAST607 <= 4)         | Score obtained on the mastery scale  | (min: 0; max: 28) |

Reference: Pearlin, LI and Schooler, C, Journal of health and Social Behavior, "The Structure of Coping", 1981, vol.19, p.2-21.



## Maternal experiences - Breastfeeding (2 DVs)

### 1 ) Length of exclusive breastfeeding

**Variable name:** MEXDEBF

**Based on:** MEX\_03, MEX\_06, MEX\_07

**Description:** This variable provides the length of time that the respondent exclusively breastfed her last baby.

**Note:** Respondents who had not given birth in the past 5 years or who were less than 15 years old or more than 55 years old are excluded from the population. Since the variable is used to measure only the final duration of exclusive breastfeeding, mothers who still breastfed and who had not yet added any other liquid or solid foods to the baby's feeds are also excluded.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 96             | DHH_SEX = 1 or<br>DHH_AGE < 15 or<br>DHH_AGE > 55 or<br>MEX_01 = 2 or<br>(MEX_05 = 1 and<br>MEX_07 = 13) | Population exclusion   | NA    |
| 99             | ADM_PRX = 1  | Module not asked - proxy interview   | NS    |
| 99             | (MEX_03 = DK, R, NS) or<br>(MEX_06 = DK, R, NS) or<br>(MEX_07 = DK, R, NS)                               | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| 0              | MEX_03 = 2   | Had not breastfed her last baby  |       |
| 1              | MEX_07 = 1 or<br>(MEX_06 = 1 and<br>MEX_07 = 13)   | Less than 1 week   |       |
| 2              | (MEX_07 = 2, 3) or<br>[(MEX_06 = 2, 3) and<br>MEX_07 = 13]   | 1 week to less than 5 weeks  |       |
| 3              | (MEX_07 = 4, 5) or<br>[(MEX_06 = 4, 5) and<br>MEX_07 = 13]   | 5 weeks to less than 12 weeks  |       |
| 4              | (MEX_07 = 6, 7) or<br>[(MEX_06 = 6, 7) and<br>MEX_07 = 13]   | 12 weeks to less than 20 weeks   |       |
| 5              | (MEX_07 = 8, 9) or<br>[(MEX_06 = 8, 9) and<br>MEX_07 = 13]   | 20 weeks to less than 28 weeks   |       |
| 6              | (MEX_07 = 10, 11) or<br>[(MEX_06 = 10, 11) and<br>MEX_07 = 13]   | 28 weeks to 1 year   |       |
| 7              | MEX_07 = 12 or<br>(MEX_06 = 12 and<br>MEX_07 = 13)   | More than 1 year   |       |

### 2 ) Exclusively breastfed for at least 6 months

**Variable name:** MEXFEB6

**Based on:** MEX\_03, MEX\_06, MEX\_07

**Description:** This variable indicates whether the respondent exclusively breastfed her last baby for at least 6 months.

**Note:** Health Canada recommends exclusive breastfeeding for a period of 6 months. This variable indicates the number of mothers who followed this recommendation. Respondents who had not given birth in the past 5 years or who were less than 15 years old or more than 55 years old are excluded from the population. Since the variable is used to measure only the final duration of exclusive breastfeeding, mothers who still breastfed and who had not yet added any other liquid or solid foods to the baby's feeds are also excluded.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 6              | DHH_SEX = 1 or<br>DHH_AGE < 15 or<br>DHH_AGE > 55 or<br>MEX_01 = 2 or<br>(MEX_05 = 1 and<br>MEX_07 = 13) | Population exclusions  | NA    |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview   | NS    |
| 9              | (MEX_03 = DK, R, NS) or<br>(MEX_06 = DK, R, NS) or<br>(MEX_07 = DK, R, NS)                               | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| 1              | (8 < MEX_07 < 13 ) or<br>[(8 < MEX_06 < NA) and MEX_07 = 13]   | Had exclusively breastfed her last baby for at least 6 months                        |       |
| 2              | MEX_03 = 2 or<br>MEX_06 < 9 or<br>MEX_07 < 9   | Had not exclusively breastfed her last baby for at least 6 months                    |       |

## Oral health 2 (2 DVs)

### 1 ) Social Limitation Due to Oral Health Status

**Variable name:** OH2FLIM

**Based on:** OH2\_23, OH2\_24

**Description:** This variable indicates whether the respondent's oral health status impacts on social functioning as measured by avoiding conversation or contact with others, or by avoiding laughing or smiling.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)                                    | Description  | Notes |
| 6              | DOOH2 = 2                                       | Module not selected  | NA    |
| 9              | ADM_PRX = 1                                     | Module not asked - proxy interview   | NS    |
| 2              | (OH2_23 = 3, 4) and<br>(OH2_24 = 3, 4)          | No social limitation due to oral condition   |       |
| 1              | (OH2_23 = 1, 2) or<br>(OH2_24 = 1, 2)           | Social limitation experienced due to oral condition                                  |       |
| 9              | (OH2_23 = DK, R, NS) or<br>(OH2_24 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

### 2 ) Oral and Facial Pain and Discomfort

**Variable name:** OH2FOFP

**Based on:** OH2\_25A, OH2\_25B, OH2\_25C, OH2\_25D, OH2\_25E, OH2\_25F, OH2\_25G

**Description:** This variable indicates the presence of oral and facial pain in the past month.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 6              | OH2FOPT = 2   | Module not selected  | NA    |
| 9              | ADM_PRX = 1   | Module not asked - proxy interview   | NS    |
| 2              | OH2_25A = 2 and<br>OH2_25B = 2 and<br>OH2_25C = 2 and<br>OH2_25D = 2 and<br>OH2_25E = 2 and<br>OH2_25F = 2 and<br>OH2_25G = 2 | Has not experienced any oral or facial pain or<br>discomfort in the past month |       |
| 1              | OH2_25A = 1 or<br>OH2_25B = 1 or<br>OH2_25C = 1 or<br>OH2_25D = 1 or<br>OH2_25E = 1 or<br>OH2_25F = 1 or<br>OH2_25G = 1       | Has experienced some oral or facial pain or<br>discomfort in the past month    |       |



|   |   |  |    |
|---|---|--|----|
| 9 | (OH2_25A = DK, R, NS) or<br>(OH2_25B = DK, R, NS) or<br>(OH2_25C = DK, R, NS) or<br>(OH2_25D = DK, R, NS) or<br>(OH2_25E = DK, R, NS) or<br>(OH2_25F = DK, R, NS) or<br>(OH2_25G = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |
|---|---|--|----|

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## Physical activities (9 DVs)

### 1 ) Daily Energy Expenditure in Leisure Time Physical Activities

**Variable name:** PACDEE

**Based on:** PAC\_1V, PAC\_2A, PAC\_2B, PAC\_2C, PAC\_2D, PAC\_2E, PAC\_2F, PAC\_2G, PAC\_2H, PAC\_2I, PAC\_2J, PAC\_2K, PAC\_2L, PAC\_2M, PAC\_2N, PAC\_2O, PAC\_2P, PAC\_2Q, PAC\_2R, PAC\_2S, PAC\_2T, PAC\_2U, PAC\_2W, PAC\_2X, PAC\_2Z, PAC\_3A, PAC\_3B, PAC\_3C, PAC\_3D, PAC\_3E, PAC\_3F, PAC\_3G, PAC\_3H, PAC\_3I, PAC\_3J, PAC\_3K, PAC\_3L, PAC\_3M, PAC\_3N, PAC\_3O, PAC\_3P, PAC\_3Q, PAC\_3R, PAC\_3S, PAC\_3T, PAC\_3U, PAC\_3W, PAC\_3X, PAC\_3Z

**Description:** This variable is a measure of the average daily energy expended during leisure time activities by the respondent in the past three months.

**Note:** Energy Expenditure (EE) is calculated using the frequency and duration per session of the physical activity as well as the MET value of the activity. The MET is a value of metabolic energy cost expressed as a multiple of the resting metabolic rate. For example, an activity of 4 METS requires four times the amount of energy as compared to when the body is at rest.

$EE \text{ (Energy Expenditure for each activity)} = (N \times D \times \text{METvalue}) / 365$

Where:

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

D = the average duration in hours of the activity

MET value = 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)

MET values tend to be expressed in three intensity levels (i.e. low, medium, high). The CCHS 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.

| Variable Name | Activity                         | MET Value<br>(kcal/kg/hr) |
|---------------|----------------------------------|---------------------------|
| PACDEEA       | WALKING FOR EXERCISE             | 3                         |
| PACDEEB       | GARDENING OR YARD WORK           | 3                         |
| PACDEEC       | SWIMMING                         | 3                         |
| PACDEED       | BICYCLING                        | 4                         |
| PACDEEE       | POPULAR OR SOCIAL DANCE          | 3                         |
| PACDEEF       | HOME EXERCISES                   | 3                         |
| PACDEEG       | ICE HOCKEY                       | 6                         |
| PACDEEH       | ICE SKATING                      | 4                         |
| PACDEEI       | IN-LINE SKATING OR ROLLERBLADING | 5                         |
| PACDEEJ       | JOGGING OR RUNNING*              | 9.5                       |
| PACDEEK       | GOLFING                          | 4                         |
| PACDEEL       | EXERCISE CLASS OR AEROBICS       | 4                         |
| PACDEEM       | DOWNHILL SKIING OR SNOWBOARDING  | 4                         |
| PACDEEN       | BOWLING                          | 2                         |
| PACDEEO       | BASEBALL OR SOFTBALL             | 3                         |
| PACDEEP       | TENNIS                           | 4                         |
| PACDEEQ       | WEIGHT-TRAINING                  | 3                         |
| PACDEER       | FISHING                          | 3                         |
| PACDEES       | VOLLEYBALL                       | 5                         |
| PACDEET       | BASKETBALL                       | 6                         |
| PACDEEZ       | SOCCER                           | 5                         |
| PACDEEU       | OTHER (U)*                       | 4                         |
| PACDEEW       | OTHER (W)*                       | 4                         |
| PACDEEX       | OTHER (X)*                       | 4                         |

\* Jogging (MET value 7) and running (MET value 12) fall under one category. Therefore, the MET value for the combined activity is the average of their MET values (9.5). Since it is difficult to assign a MET value to the category "Other Activities", the MET value used is the average of the listed activities except for the average value of jogging and running. Here, the average value of jogging and running is replaced by the value for jogging only. 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).

\* Times were assigned an average duration value for the calculation, as with NPHS:  
(13 minutes or .2167 hour, 23 minutes or .3833 hour, 45 minutes or .75 hour, 60 minutes or 1 hour)

Beginning in CCHS cycle 2.1, the list of activities (PAC\_1n) changed slightly from previous CCHS cycles: The activity "Soccer" was asked explicitly in Cycle 2.1. For Cycle 1.1, this activity was part of the "Other" activities.

### Temporary Reformat

| Value  | Condition(s)         | Description  | Notes                  |
|--|----------------------|--|------------------------|
| <b>PACDEEA</b>                                   |                      |  |                        |
| 0  | PAC_3A = NA          | Did not participate in activity                                      | WALKING FOR EXERCISE   |
| 0  | (PAC_3A = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | WALKING FOR EXERCISE   |
| $(PAC\_2A \times 4 \times .2167 \times 3) / 365$ | PAC_3A = 1           | Calculate EE for < 15 min*   | WALKING FOR EXERCISE   |
| $(PAC\_2A \times 4 \times .3833 \times 3) / 365$ | PAC_3A = 2           | Calculate EE for 16 to 30 min*                                       | WALKING FOR EXERCISE   |
| $(PAC\_2A \times 4 \times .75 \times 3) / 365$   | PAC_3A = 3           | Calculate EE for 31 to 60 min*                                       | WALKING FOR EXERCISE   |
| $(PAC\_2A \times 4 \times 1 \times 3) / 365$     | PAC_3A = 4           | Calculate EE for > 60 min*   | WALKING FOR EXERCISE   |
| <b>PACDEEB</b>                                   |                      |  |                        |
| 0  | PAC_3B = NA          | Did not participate in activity                                      | GARDENING OR YARD WORK |
| 0  | (PAC_3B = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | GARDENING OR YARD WORK |
| $(PAC\_2B \times 4 \times .2167 \times 3) / 365$ | PAC_3B = 1           | Calculate EE for < 15 min*   | GARDENING OR YARD WORK |
| $(PAC\_2B \times 4 \times .3833 \times 3) / 365$ | PAC_3B = 2           | Calculate EE for 16 to 30 min*                                       | GARDENING OR YARD WORK |
| $(PAC\_2B \times 4 \times .75 \times 3) / 365$   | PAC_3B = 3           | Calculate EE for 31 to 60 min*                                       | GARDENING OR YARD WORK |
| $(PAC\_2B \times 4 \times 1 \times 3) / 365$     | PAC_3B = 4           | Calculate EE for > 60 min*   | GARDENING OR YARD WORK |
| <b>PACDEEC</b>                                   |                      |  |                        |
| 0  | PAC_3C = NA          | Did not participate in activity                                      | SWIMMING               |
| 0  | (PAC_3C = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | SWIMMING               |
| $(PAC\_2C \times 4 \times .2167 \times 3) / 365$ | PAC_3C = 1           | Calculate EE for < 15 min*   | SWIMMING               |
| $(PAC\_2C \times 4 \times .3833 \times 3) / 365$ | PAC_3C = 2           | Calculate EE for 16 to 30 min*                                       | SWIMMING               |
| $(PAC\_2C \times 4 \times .75 \times 3) / 365$   | PAC_3C = 3           | Calculate EE for 31 to 60 min*                                       | SWIMMING               |
| $(PAC\_2C \times 4 \times 1 \times 3) / 365$     | PAC_3C = 4           | Calculate EE for > 60 min*   | SWIMMING               |
| <b>PACDEED</b>                                   |                      |  |                        |
| 0  | PAC_3D = NA          | Did not participate in activity                                      | BICYCLING              |
| 0  | (PAC_3D = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | BICYCLING              |
| $(PAC\_2D \times 4 \times .2167 \times 4) / 365$ | PAC_3D = 1           | Calculate EE for < 15 min*   | BICYCLING              |
| $(PAC\_2D \times 4 \times .3833 \times 4) / 365$ | PAC_3D = 2           | Calculate EE for 16 to 30 min*                                       | BICYCLING              |

|  |                      |  |                         |
|--|----------------------|--|-------------------------|
| $(PAC\_2D \times 4 \times .75 \times 4) / 365$   | PAC_3D = 3           | Calculate EE for 31 to 60 min*                                       | BICYCLING               |
| $(PAC\_2D \times 4 \times 1 \times 4) / 365$     | PAC_3D = 4           | Calculate EE for > 60 min*   | BICYCLING               |
| <b>PACDEEE</b>                                   |                      |  |                         |
| 0  | PAC_3E = NA          | Did not participate in activity                                      | POPULAR OR SOCIAL DANCE |
| 0  | (PAC_3E = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | POPULAR OR SOCIAL DANCE |
| $(PAC\_2E \times 4 \times .2167 \times 3) / 365$ | PAC_3E = 1           | Calculate EE for < 15 min*   | POPULAR OR SOCIAL DANCE |
| $(PAC\_2E \times 4 \times .3833 \times 3) / 365$ | PAC_3E = 2           | Calculate EE for 16 to 30 min*                                       | POPULAR OR SOCIAL DANCE |
| $(PAC\_2E \times 4 \times .75 \times 3) / 365$   | PAC_3E = 3           | Calculate EE for 31 to 60 min*                                       | POPULAR OR SOCIAL DANCE |
| $(PAC\_2E \times 4 \times 1 \times 3) / 365$     | PAC_3E = 4           | Calculate EE for > 60 min*   | POPULAR OR SOCIAL DANCE |
| <b>PACDEEF</b>                                   |                      |  |                         |
| 0  | PAC_3F = NA          | Did not participate in activity                                      | HOME EXERCISES          |
| 0  | (PAC_3F = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | HOME EXERCISES          |
| $(PAC\_2F \times 4 \times .2167 \times 3) / 365$ | PAC_3F = 1           | Calculate EE for < 15 min*   | HOME EXERCISES          |
| $(PAC\_2F \times 4 \times .3833 \times 3) / 365$ | PAC_3F = 2           | Calculate EE for 16 to 30 min*                                       | HOME EXERCISES          |
| $(PAC\_2F \times 4 \times .75 \times 3) / 365$   | PAC_3F = 3           | Calculate EE for 31 to 60 min*                                       | HOME EXERCISES          |
| $(PAC\_2F \times 4 \times 1 \times 3) / 365$     | PAC_3F = 4           | Calculate EE for > 60 min*   | HOME EXERCISES          |
| <b>PACDEEG</b>                                   |                      |  |                         |
| 0  | PAC_3G = NA          | Did not participate in activity                                      | ICE HOCKEY              |
| 0  | (PAC_3G = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | ICE HOCKEY              |
| $(PAC\_2G \times 4 \times .2167 \times 6) / 365$ | PAC_3G = 1           | Calculate EE for < 15 min*   | ICE HOCKEY              |
| $(PAC\_2G \times 4 \times .3833 \times 6) / 365$ | PAC_3G = 2           | Calculate EE for 16 to 30 min*                                       | ICE HOCKEY              |
| $(PAC\_2G \times 4 \times .75 \times 6) / 365$   | PAC_3G = 3           | Calculate EE for 31 to 60 min*                                       | ICE HOCKEY              |
| $(PAC\_2G \times 4 \times 1 \times 6) / 365$     | PAC_3G = 4           | Calculate EE for > 60 min*   | ICE HOCKEY              |
| <b>PACDEEH</b>                                   |                      |  |                         |
| 0  | PAC_3H = NA          | Did not participate in activity                                      | ICE SKATING             |
| 0  | (PAC_3H = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | ICE SKATING             |
| $(PAC\_2H \times 4 \times .2167 \times 4) / 365$ | PAC_3H = 1           | Calculate EE for < 15 min*   | ICE SKATING             |
| $(PAC\_2H \times 4 \times .3833 \times 4) / 365$ | PAC_3H = 2           | Calculate EE for 16 to 30 min*                                       | ICE SKATING             |

|  |                      |  |  |
|--|----------------------|--|--|
| $(PAC\_2H \times 4 \times .75 \times 4) / 365$     | PAC_3H = 3           | Calculate EE for 31 to 60 min*                                       | ICE SKATING                            |
| $(PAC\_2H \times 4 \times 1 \times 4) / 365$       | PAC_3H = 4           | Calculate EE for > 60 min*   | ICE SKATING                            |
| <b>PACDEEI</b>                                     |                      |  |  |
| 0  | PAC_3I = NA          | Did not participate in activity                                      | IN-LINE SKATING<br>OR<br>ROLLERBLADING |
| 0  | (PAC_3I = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | IN-LINE SKATING<br>OR<br>ROLLERBLADING |
| $(PAC\_2I \times 4 \times .2167 \times 5) / 365$   | PAC_3I = 1           | Calculate EE for < 15 min*   | IN-LINE SKATING<br>OR<br>ROLLERBLADING |
| $(PAC\_2I \times 4 \times .3833 \times 5) / 365$   | PAC_3I = 2           | Calculate EE for 16 to 30 min*                                       | IN-LINE SKATING<br>OR<br>ROLLERBLADING |
| $(PAC\_2I \times 4 \times .75 \times 5) / 365$     | PAC_3I = 3           | Calculate EE for 31 to 60 min*                                       | IN-LINE SKATING<br>OR<br>ROLLERBLADING |
| $(PAC\_2I \times 4 \times 1 \times 5) / 365$       | PAC_3I = 4           | Calculate EE for > 60 min*   | IN-LINE SKATING<br>OR<br>ROLLERBLADING |
| <b>PACDEEJ</b>                                     |                      |  |  |
| 0  | PAC_3J = NA          | Did not participate in activity                                      | JOGGING OR<br>RUNNING                  |
| 0  | (PAC_3J = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | JOGGING OR<br>RUNNING                  |
| $(PAC\_2J \times 4 \times .2167 \times 9.5) / 365$ | PAC_3J = 1           | Calculate EE for < 15 min*   | JOGGING OR<br>RUNNING                  |
| $(PAC\_2J \times 4 \times .3833 \times 9.5) / 365$ | PAC_3J = 2           | Calculate EE for 16 to 30 min*                                       | JOGGING OR<br>RUNNING                  |
| $(PAC\_2J \times 4 \times .75 \times 9.5) / 365$   | PAC_3J = 3           | Calculate EE for 31 to 60 min*                                       | JOGGING OR<br>RUNNING                  |
| $(PAC\_2J \times 4 \times 1 \times 9.5) / 365$     | PAC_3J = 4           | Calculate EE for > 60 min*   | JOGGING OR<br>RUNNING                  |
| <b>PACDEEK</b>                                     |                      |  |  |
| 0  | PAC_3K = NA          | Did not participate in activity                                      | GOLFING                                |
| 0  | (PAC_3K = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | GOLFING                                |
| $(PAC\_2K \times 4 \times .2167 \times 4) / 365$   | PAC_3K = 1           | Calculate EE for < 15 min*   | GOLFING                                |
| $(PAC\_2K \times 4 \times .3833 \times 4) / 365$   | PAC_3K = 2           | Calculate EE for 16 to 30 min*                                       | GOLFING                                |
| $(PAC\_2K \times 4 \times .75 \times 4) / 365$     | PAC_3K = 3           | Calculate EE for 31 to 60 min*                                       | GOLFING                                |
| $(PAC\_2K \times 4 \times 1 \times 4) / 365$       | PAC_3K = 4           | Calculate EE for > 60 min*   | GOLFING                                |
| <b>PACDEEL</b>                                     |                      |  |  |
| 0  | PAC_3L = NA          | Did not participate in activity                                      | EXERCISE CLASS<br>OR AEROBICS          |
| 0  | (PAC_3L = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | EXERCISE CLASS<br>OR AEROBICS          |

|   |                      |  |                                 |
|---|----------------------|--|---------------------------------|
| $(\text{PAC\_2L} \times 4 \times .2167 \times 4) / 365$ | PAC_3L = 1           | Calculate EE for < 15 min*   | EXERCISE CLASS OR AEROBICS      |
| $(\text{PAC\_2L} \times 4 \times .3833 \times 4) / 365$ | PAC_3L = 2           | Calculate EE for 16 to 30 min*                                       | EXERCISE CLASS OR AEROBICS      |
| $(\text{PAC\_2L} \times 4 \times .75 \times 4) / 365$   | PAC_3L = 3           | Calculate EE for 31 to 60 min*                                       | EXERCISE CLASS OR AEROBICS      |
| $(\text{PAC\_2L} \times 4 \times 1 \times 4) / 365$     | PAC_3L = 4           | Calculate EE for > 60 min*   | EXERCISE CLASS OR AEROBICS      |
| <b>PACDEEM</b>  |                      |  |                                 |
| 0   | PAC_3M = NA          | Did not participate in activity                                      | DOWNHILL SKIING OR SNOWBOARDING |
| 0   | (PAC_3M = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | DOWNHILL SKIING OR SNOWBOARDING |
| $(\text{PAC\_2M} \times 4 \times .2167 \times 4) / 365$ | PAC_3M = 1           | Calculate EE for < 15 min*   | DOWNHILL SKIING OR SNOWBOARDING |
| $(\text{PAC\_2M} \times 4 \times .3833 \times 4) / 365$ | PAC_3M = 2           | Calculate EE for 16 to 30 min*                                       | DOWNHILL SKIING OR SNOWBOARDING |
| $(\text{PAC\_2M} \times 4 \times .75 \times 4) / 365$   | PAC_3M = 3           | Calculate EE for 31 to 60 min*                                       | DOWNHILL SKIING OR SNOWBOARDING |
| $(\text{PAC\_2M} \times 4 \times 1 \times 4) / 365$     | PAC_3M = 4           | Calculate EE for > 60 min*   | DOWNHILL SKIING OR SNOWBOARDING |
| <b>PACDEEN</b>  |                      |  |                                 |
| 0   | PAC_3N = NA          | Did not participate in activity                                      | BOWLING                         |
| 0   | (PAC_3N = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | BOWLING                         |
| $(\text{PAC\_2N} \times 4 \times .2167 \times 2) / 365$ | PAC_3N = 1           | Calculate EE for < 15 min*   | BOWLING                         |
| $(\text{PAC\_2N} \times 4 \times .3833 \times 2) / 365$ | PAC_3N = 2           | Calculate EE for 16 to 30 min*                                       | BOWLING                         |
| $(\text{PAC\_2N} \times 4 \times .75 \times 2) / 365$   | PAC_3N = 3           | Calculate EE for 31 to 60 min*                                       | BOWLING                         |
| $(\text{PAC\_2N} \times 4 \times 1 \times 2) / 365$     | PAC_3N = 4           | Calculate EE for > 60 min*   | BOWLING                         |
| <b>PACDEEO</b>  |                      |  |                                 |
| 0   | PAC_3O = NA          | Did not participate in activity                                      | BASEBALL OR SOFTBALL            |
| 0   | (PAC_3O = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | BASEBALL OR SOFTBALL            |
| $(\text{PAC\_2O} \times 4 \times .2167 \times 3) / 365$ | PAC_3O = 1           | Calculate EE for < 15 min*   | BASEBALL OR SOFTBALL            |
| $(\text{PAC\_2O} \times 4 \times .3833 \times 3) / 365$ | PAC_3O = 2           | Calculate EE for 16 to 30 min*                                       | BASEBALL OR SOFTBALL            |
| $(\text{PAC\_2O} \times 4 \times .75 \times 3) / 365$   | PAC_3O = 3           | Calculate EE for 31 to 60 min*                                       | BASEBALL OR SOFTBALL            |
| $(\text{PAC\_2O} \times 4 \times 1 \times 3) / 365$     | PAC_3O = 4           | Calculate EE for > 60 min*   | BASEBALL OR SOFTBALL            |
| <b>PACDEEP</b>  |                      |  |                                 |

|   |                      |  |                 |
|---|----------------------|--|-----------------|
| 0   | PAC_3P = NA          | Did not participate in activity                                      | TENNIS          |
| 0   | (PAC_3P = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | TENNIS          |
| $(\text{PAC\_2P} \times 4 \times .2167 \times 4) / 365$ | PAC_3P = 1           | Calculate EE for < 15 min*   | TENNIS          |
| $(\text{PAC\_2P} \times 4 \times .3833 \times 4) / 365$ | PAC_3P = 2           | Calculate EE for 16 to 30 min*                                       | TENNIS          |
| $(\text{PAC\_2P} \times 4 \times .75 \times 4) / 365$   | PAC_3P = 3           | Calculate EE for 31 to 60 min*                                       | TENNIS          |
| $(\text{PAC\_2P} \times 4 \times 1 \times 4) / 365$     | PAC_3P = 4           | Calculate EE for > 60 min*   | TENNIS          |
| <b>PACDEEQ</b>  |                      |  |                 |
| 0   | PAC_3Q = NA          | Did not participate in activity                                      | WEIGHT-TRAINING |
| 0   | (PAC_3Q = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | WEIGHT-TRAINING |
| $(\text{PAC\_2Q} \times 4 \times .2167 \times 3) / 365$ | PAC_3Q = 1           | Calculate EE for < 15 min*   | WEIGHT-TRAINING |
| $(\text{PAC\_2Q} \times 4 \times .3833 \times 3) / 365$ | PAC_3Q = 2           | Calculate EE for 16 to 30 min*                                       | WEIGHT-TRAINING |
| $(\text{PAC\_2Q} \times 4 \times .75 \times 3) / 365$   | PAC_3Q = 3           | Calculate EE for 31 to 60 min*                                       | WEIGHT-TRAINING |
| $(\text{PAC\_2Q} \times 4 \times 1 \times 3) / 365$     | PAC_3Q = 4           | Calculate EE for > 60 min*   | WEIGHT-TRAINING |
| <b>PACDEER</b>  |                      |  |                 |
| 0   | PAC_3R = NA          | Did not participate in activity                                      | FISHING         |
| 0   | (PAC_3R = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | FISHING         |
| $(\text{PAC\_2R} \times 4 \times .2167 \times 3) / 365$ | PAC_3R = 1           | Calculate EE for < 15 min*   | FISHING         |
| $(\text{PAC\_2R} \times 4 \times .3833 \times 3) / 365$ | PAC_3R = 2           | Calculate EE for 16 to 30 min*                                       | FISHING         |
| $(\text{PAC\_2R} \times 4 \times .75 \times 3) / 365$   | PAC_3R = 3           | Calculate EE for 31 to 60 min*                                       | FISHING         |
| $(\text{PAC\_2R} \times 4 \times 1 \times 3) / 365$     | PAC_3R = 4           | Calculate EE for > 60 min*   | FISHING         |
| <b>PACDEES</b>  |                      |  |                 |
| 0   | PAC_3S = NA          | Did not participate in activity                                      | VOLLEYBALL      |
| 0   | (PAC_3S = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | VOLLEYBALL      |
| $(\text{PAC\_2S} \times 4 \times .2167 \times 5) / 365$ | PAC_3S = 1           | Calculate EE for < 15 min*   | VOLLEYBALL      |
| $(\text{PAC\_2S} \times 4 \times .3833 \times 5) / 365$ | PAC_3S = 2           | Calculate EE for 16 to 30 min*                                       | VOLLEYBALL      |
| $(\text{PAC\_2S} \times 4 \times .75 \times 5) / 365$   | PAC_3S = 3           | Calculate EE for 31 to 60 min*                                       | VOLLEYBALL      |
| $(\text{PAC\_2T} \times 4 \times 1 \times 6) / 365$     | PAC_3S = 4           | Calculate EE for > 60 min*   | VOLLEYBALL      |
| <b>PACDEET</b>  |                      |  |                 |
| 0   | PAC_3T = NA          | Did not participate in activity                                      | BASKETBALL      |

|   |                      |  |            |
|---|----------------------|--|------------|
| 0   | (PAC_3T = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | BASKETBALL |
| $(\text{PAC\_2T} \times 4 \times .2167 \times 6) / 365$ | PAC_3T = 1           | Calculate EE for < 15 min*   | BASKETBALL |
| $(\text{PAC\_2T} \times 4 \times .3833 \times 6) / 365$ | PAC_3T = 2           | Calculate EE for 16 to 30 min*                                       | BASKETBALL |
| $(\text{PAC\_2T} \times 4 \times .75 \times 6) / 365$   | PAC_3T = 3           | Calculate EE for 31 to 60 min*                                       | BASKETBALL |
| $(\text{PAC\_2T} \times 4 \times 1 \times 6) / 365$     | PAC_3T = 4           | Calculate EE for > 60 min*   | BASKETBALL |
| <b>PACDEEU</b>  |                      |  |            |
| 0   | PAC_3U = NA          | Did not participate in activity                                      | OTHER (U)  |
| 0   | (PAC_3U = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | OTHER (U)  |
| $(\text{PAC\_2U} \times 4 \times .2167 \times 4) / 365$ | PAC_3U = 1           | Calculate EE for < 15 min*   | OTHER (U)  |
| $(\text{PAC\_2U} \times 4 \times .3833 \times 4) / 365$ | PAC_3U = 2           | Calculate EE for 16 to 30 min*                                       | OTHER (U)  |
| $(\text{PAC\_2U} \times 4 \times .75 \times 4) / 365$   | PAC_3U = 3           | Calculate EE for 31 to 60 min*                                       | OTHER (U)  |
| $(\text{PAC\_2U} \times 4 \times 1 \times 4) / 365$     | PAC_3U = 4           | Calculate EE for > 60 min*   | OTHER (U)  |
| <b>PACDEEW</b>  |                      |  |            |
| 0   | PAC_3W = NA          | Did not participate in activity                                      | OTHER (W)  |
| 0   | (PAC_3W = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | OTHER (W)  |
| $(\text{PAC\_2W} \times 4 \times .2167 \times 4) / 365$ | PAC_3W = 1           | Calculate EE for < 15 min*   | OTHER (W)  |
| $(\text{PAC\_2W} \times 4 \times .3833 \times 4) / 365$ | PAC_3W = 2           | Calculate EE for 16 to 30 min*                                       | OTHER (W)  |
| $(\text{PAC\_2W} \times 4 \times .75 \times 4) / 365$   | PAC_3W = 3           | Calculate EE for 31 to 60 min*                                       | OTHER (W)  |
| $(\text{PAC\_2W} \times 4 \times 1 \times 4) / 365$     | PAC_3W = 4           | Calculate EE for > 60 min*   | OTHER (W)  |
| <b>PACDEEX</b>  |                      |  |            |
| 0   | PAC_3X = NA          | Did not participate in activity                                      | OTHER (X)  |
| 0   | (PAC_3X = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | OTHER (X)  |
| $(\text{PAC\_2X} \times 4 \times .2167 \times 4) / 365$ | PAC_3X = 1           | Calculate EE for < 15 min*   | OTHER (X)  |
| $(\text{PAC\_2X} \times 4 \times .3833 \times 4) / 365$ | PAC_3X = 2           | Calculate EE for 16 to 30 min*                                       | OTHER (X)  |
| $(\text{PAC\_2X} \times 4 \times .75 \times 4) / 365$   | PAC_3X = 3           | Calculate EE for 31 to 60 min*                                       | OTHER (X)  |
| $(\text{PAC\_2X} \times 4 \times 1 \times 4) / 365$     | PAC_3X = 4           | Calculate EE for > 60 min*   | OTHER (X)  |
| <b>PACDEEZ</b>  |                      |  |            |
| 0   | PAC_3Z = NA          | Did not participate in activity                                      | SOCCER     |
| 0   | (PAC_3Z = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | SOCCER     |



|  |               |                                |        |
|--|---------------|--------------------------------|--------|
| $(PAC\_2Z \times 4 \times .2167 \times 5) / 365$ | $PAC\_3Z = 1$ | Calculate EE for < 15 min*     | SOCGER |
| $(PAC\_2Z \times 4 \times .3833 \times 5) / 365$ | $PAC\_3Z = 2$ | Calculate EE for 16 to 30 min* | SOCGER |
| $(PAC\_2Z \times 4 \times .75 \times 5) / 365$   | $PAC\_3Z = 3$ | Calculate EE for 31 to 60 min* | SOCGER |
| $(PAC\_2Z \times 4 \times 1 \times 5) / 365$     | $PAC\_3Z = 4$ | Calculate EE for > 60 min*     | SOCGER |

| Specifications   |  |  |   |
|--|--|--|---|
| Value  | Condition(s)   | Description  | Notes   |
| 99.9   | ADM_PRX = 1  | Module not asked - proxy interview                                   | NS  |
| 99.9   | (PAC_1V = DK, R, NS)   | Required question was not answered (don't know, refusal, not stated) | NS  |
| 0  | PAC_1V = 1   | No leisure time physical activity                                    |   |
| PACDEEA +<br>PACDEEB +<br>PACDEEC +<br>PACDEED +<br>PACDEEE +<br>PACDEEF +<br>PACDEEG +<br>PACDEEH +<br>PACDEEI +<br>PACDEEJ +<br>PACDEEK +<br>PACDEEL +<br>PACDEEM +<br>PACDEEN +<br>PACDEEO +<br>PACDEEP +<br>PACDEEQ +<br>PACDEER +<br>PACDEES +<br>PACDEET +<br>PACDEEZ +<br>PACDEEU +<br>PACDEEW +<br>PACDEEX | (0 <= PACDEEA < NA) and<br>(0 <= PACDEEB < NA) and<br>(0 <= PACDEEC < NA) and<br>(0 <= PACDEED < NA) and<br>(0 <= PACDEEE < NA) and<br>(0 <= PACDEEF < NA) and<br>(0 <= PACDEEG < NA) and<br>(0 <= PACDEEH < NA) and<br>(0 <= PACDEEI < NA) and<br>(0 <= PACDEEJ < NA) and<br>(0 <= PACDEEK < NA) and<br>(0 <= PACDEEL < NA) and<br>(0 <= PACDEEM < NA) and<br>(0 <= PACDEEN < NA) and<br>(0 <= PACDEEO < NA) and<br>(0 <= PACDEEP < NA) and<br>(0 <= PACDEEQ < NA) and<br>(0 <= PACDEER < NA) and<br>(0 <= PACDEES < NA) and<br>(0 <= PACDEET < NA) and<br>(0 <= PACDEEZ < NA) and<br>(0 <= PACDEEU < NA) and<br>(0 <= PACDEEW < NA) and<br>(0 <= PACDEEX < NA) | Total daily energy expenditure (kcal/kg/day)                         | (rounded to one decimal place)<br><br>(min: 0.0; max: 99.5) |

## 2) Participant In Leisure Time Physical Activity

**Variable name:** PACFLEI

**Based on:** PAC\_1V

**Description:** This variable indicates whether the respondent participated in any leisure time physical activities in the three months prior to the interview.

**Source:** Ontario Health Survey

**Internet site:** [www.chass.utoronto.ca/datalib/codebooks/utm/ohs/ohs90.htm](http://www.chass.utoronto.ca/datalib/codebooks/utm/ohs/ohs90.htm)

| Specifications |              |  |       |
|----------------|--------------|--|-------|
| Value          | Condition(s) | Description  | Notes |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview                     | NS    |
| 2              | PAC_1V = 1   | Does not participate in leisure time physical activity |       |

|   |                      |  |    |
|---|----------------------|--|----|
| 1 | PAC_1V = 2           | Participates in leisure time physical activity                       |    |
| 9 | (PAC_1V = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | NS |

### 3) Average Monthly Frequency of Leisure Time Physical Activity Lasting Over 15 Minutes

**Variable name:** PACDFM

**Based on:** PAC\_1V, PAC\_2A, PAC\_2B, PAC\_2C, PAC\_2D, PAC\_2E, PAC\_2F, PAC\_2G, PAC\_2H, PAC\_2I, PAC\_2J, PAC\_2K, PAC\_2L, PAC\_2M, PAC\_2N, PAC\_2O, PAC\_2P, PAC\_2Q, PAC\_2R, PAC\_2S, PAC\_2T, PAC\_2Z, PAC\_2U, PAC\_2W, PAC\_2X, PAC\_3A, PAC\_3B, PAC\_3C, PAC\_3D, PAC\_3E, PAC\_3F, PAC\_3G, PAC\_3H, PAC\_3I, PAC\_3J, PAC\_3K, PAC\_3L, PAC\_3M, PAC\_3N, PAC\_3O, PAC\_3P, PAC\_3Q, PAC\_3R, PAC\_3S, PAC\_3T, PAC\_3Z, PAC\_3U, PAC\_3W, PAC\_3X

**Description:** This variable measures the total number of times per month that respondents took part in leisure time physical activity(ies) lasting more than 15 minutes.

**Note:** The survey questions refer to "the past three months". This variable calculates a one-month average by dividing the total reported frequency by three.

**Source:** Ontario Health Survey

**Internet site:** [www.chass.utoronto.ca/datalib/codebooks/utm/ohs/ohs90.htm](http://www.chass.utoronto.ca/datalib/codebooks/utm/ohs/ohs90.htm)

#### Temporary Reformat

| Value         | Condition(s)                | Description  | Notes |
|---------------|-----------------------------|--|-------|
| <b>PACT2A</b> |                             |  |       |
| 0             | (PAC_3A = 1, NA, DK, R, NS) | Set all values for PAC_2A (number of times/3months respondents took part in physical activity) to 0 if PAC_3A is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |       |
| <b>PACT2B</b> |                             |  |       |
| 0             | (PAC_3B = 1, NA, DK, R, NS) | Set all values for PAC_2B (number of times/3months respondents took part in physical activity) to 0 if PAC_3B is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |       |
| <b>PACT2C</b> |                             |  |       |
| 0             | (PAC_3C = 1, NA, DK, R, NS) | Set all values for PAC_2C (number of times/3months respondents took part in physical activity) to 0 if PAC_3C is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |       |
| <b>PACT2D</b> |                             |  |       |
| 0             | (PAC_3D = 1, NA, DK, R, NS) | Set all values for PAC_2D (number of times/3months respondents took part in physical activity) to 0 if PAC_3D is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |       |
| <b>PACT2E</b> |                             |  |       |
| 0             | (PAC_3E = 1, NA, DK, R, NS) | Set all values for PAC_2E (number of times/3months respondents took part in physical activity) to 0 if PAC_3E is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |       |
| <b>PACT2F</b> |                             |  |       |

|               |                             |  |
|---------------|-----------------------------|--|
| 0             | (PAC_3F = 1, NA, DK, R, NS) | Set all values for PAC_2F (number of times/3months respondents took part in physical activity) to 0 if PAC_3F is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2G</b> |                             |  |
| 0             | (PAC_3G = 1, NA, DK, R, NS) | Set all values for PAC_2G (number of times/3months respondents took part in physical activity) to 0 if PAC_3G is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2H</b> |                             |  |
| 0             | (PAC_3H = 1, NA, DK, R, NS) | Set all values for PAC_2H (number of times/3months respondents took part in physical activity) to 0 if PAC_3H is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2I</b> |                             |  |
| 0             | (PAC_3I = 1, NA, DK, R, NS) | Set all values for PAC_2I (number of times/3months respondents took part in physical activity) to 0 if PAC_3I is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2J</b> |                             |  |
| 0             | (PAC_3J = 1, NA, DK, R, NS) | Set all values for PAC_2J (number of times/3months respondents took part in physical activity) to 0 if PAC_3J is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2K</b> |                             |  |
| 0             | (PAC_3K = 1, NA, DK, R, NS) | Set all values for PAC_2K (number of times/3months respondents took part in physical activity) to 0 if PAC_3K is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2L</b> |                             |  |
| 0             | (PAC_3L = 1, NA, DK, R, NS) | Set all values for PAC_2L (number of times/3months respondents took part in physical activity) to 0 if PAC_3L is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2M</b> |                             |  |
| 0             | (PAC_3M = 1, NA, DK, R, NS) | Set all values for PAC_2M (number of times/3months respondents took part in physical activity) to 0 if PAC_3M is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2N</b> |                             |  |
| 0             | (PAC_3N = 1, NA, DK, R, NS) | Set all values for PAC_2N (number of times/3months respondents took part in physical activity) to 0 if PAC_3N is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2O</b> |                             |  |
| 0             | (PAC_3O = 1, NA, DK, R, NS) | Set all values for PAC_2O (number of times/3months respondents took part in physical activity) to 0 if PAC_3O is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2P</b> |                             |  |

|               |                             |  |
|---------------|-----------------------------|--|
| 0             | (PAC_3P = 1, NA, DK, R, NS) | Set all values for PAC_2P (number of times/3months respondents took part in physical activity) to 0 if PAC_3P is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2Q</b> |                             |  |
| 0             | (PAC_3Q = 1, NA, DK, R, NS) | Set all values for PAC_2Q (number of times/3months respondents took part in physical activity) to 0 if PAC_3Q is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2R</b> |                             |  |
| 0             | (PAC_3R = 1, NA, DK, R, NS) | Set all values for PAC_2R (number of times/3months respondents took part in physical activity) to 0 if PAC_3R is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2S</b> |                             |  |
| 0             | (PAC_3S = 1, NA, DK, R, NS) | Set all values for PAC_2S (number of times/3months respondents took part in physical activity) to 0 if PAC_3S is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2T</b> |                             |  |
| 0             | (PAC_3T = 1, NA, DK, R, NS) | Set all values for PAC_2T (number of times/3months respondents took part in physical activity) to 0 if PAC_3T is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2U</b> |                             |  |
| 0             | (PAC_3U = 1, NA, DK, R, NS) | Set all values for PAC_2U (number of times/3months respondents took part in physical activity) to 0 if PAC_3U is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2W</b> |                             |  |
| 0             | (PAC_3W = 1, NA, DK, R, NS) | Set all values for PAC_2W (number of times/3months respondents took part in physical activity) to 0 if PAC_3W is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2X</b> |                             |  |
| 0             | (PAC_3X = 1, NA, DK, R, NS) | Set all values for PAC_2X (number of times/3months respondents took part in physical activity) to 0 if PAC_3X is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |
| <b>PACT2Z</b> |                             |  |
| 0             | (PAC_3Z = 1, NA, DK, R, NS) | Set all values for PAC_2Z (number of times/3months respondents took part in physical activity) to 0 if PAC_3Z is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question) |

## Specifications

| Value | Condition(s) | Description                        | Notes |
|-------|--------------|------------------------------------|-------|
| 999   | ADM_PRX = 1  | Module not asked - proxy interview | NS    |

|  |  |   |  |
|--|--|---|--|
| 999  | (PAC_1V = DK, R, NS)   | Required question was not answered (don't know, refusal, not stated)            | NS   |
| 0  | PAC_1V=1   | No leisure time physical activity   |  |
| (PACT2A +<br>PACT2B +<br>PACT2C +<br>PACT2D +<br>PACT2E +<br>PACT2F +<br>PACT2G +<br>PACT2H +<br>PACT2I +<br>PACT2J +<br>PACT2K +<br>PACT2L +<br>PACT2M +<br>PACT2N +<br>PACT2O +<br>PACT2P +<br>PACT2Q +<br>PACT2R +<br>PACT2S +<br>PACT2T +<br>PACT2Z +<br>PACT2U +<br>PACT2W +<br>PACT2X) / 3 | (0 <= PACT2A < NA) and<br>(0 <= PACT2B < NA) and<br>(0 <= PACT2C < NA) and<br>(0 <= PACT2D < NA) and<br>(0 <= PACT2E < NA) and<br>(0 <= PACT2F < NA) and<br>(0 <= PACT2G < NA) and<br>(0 <= PACT2H < NA) and<br>(0 <= PACT2I < NA) and<br>(0 <= PACT2J < NA) and<br>(0 <= PACT2K < NA) and<br>(0 <= PACT2L < NA) and<br>(0 <= PACT2M < NA) and<br>(0 <= PACT2N < NA) and<br>(0 <= PACT2O < NA) and<br>(0 <= PACT2P < NA) and<br>(0 <= PACT2Q < NA) and<br>(0 <= PACT2R < NA) and<br>(0 <= PACT2S < NA) and<br>(0 <= PACT2T < NA) and<br>(0 <= PACT2Z < NA) and<br>(0 <= PACT2U < NA) and<br>(0 <= PACT2W < NA) and<br>(0 <= PACT2X < NA) | Monthly frequency of all leisure time physical activity lasting over 15 minutes | (Rounded to nearest integer)<br>(min: 0; max: 995) |

#### 4) Frequency of All Leisure Time Physical Activity Lasting Over 15 Minutes

**Variable name:** PACDFR

**Based on:** PACDFM

**Description:** This variable classifies respondents according to their pattern, or regularity of leisure time physical activity lasting more than 15 minutes.

**Note:** This variable uses values for the derived variable Monthly Frequency of Physical Activity (PACDFM). The values for PACDFM reflect a one-month average based on data reported for a three-month period.

| Specifications |                     |  |       |
|----------------|---------------------|--|-------|
| Value          | Condition(s)        | Description  | Notes |
| 9              | ADM_PRX = 1         | Module not asked - proxy interview                                   | NS    |
| 9              | PACDFM = NS         | Required question was not answered (don't know, refusal, not stated) | NS    |
| 1              | (12 <= PACDFM < NA) | Regular practice of leisure time activities                          |       |
| 2              | (4 <= PACDFM < 12)  | Occasional practice of leisure time activities                       |       |
| 3              | PACDFM < 4          | Infrequent practice of leisure time activities                       |       |

#### 5) Participant In Daily Leisure Time Physical Activity Lasting Over 15 Minutes

**Variable name:** PACFD

**Based on:** PACDFM

**Description:** This variable indicates whether the respondent participated daily in leisure time physical activity lasting over 15 minutes.

**Note:** This variable is based on values for Monthly Frequency of Physical Activity (PACDFM). Values for PACDFM reflect a one-month average based on data reported for a three-month period.

| Specifications |                     |   |       |
|----------------|---------------------|---|-------|
| Value          | Condition(s)        | Description   | Notes |
| 9              | ADM_PRX = 1         | Module not asked - proxy interview  | NS    |
| 9              | PACDFM = NS         | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| 1              | (30 <= PACDFM < NA) | Participates in daily physical activity   |       |
| 2              | PACDFM < 30         | Does not participate in daily physical activity                                   |       |

## 6) Leisure Time Physical Activity Index

**Variable name:** PACDPAI

**Based on:** PACDEE

**Description:** This variable categorizes respondents as being "active", "moderately active", or "inactive" in their leisure time based on the total daily Energy Expenditure values (kcal/kg/day) calculated for PACDEE.

**Note:** The Physical Activity Index follows the same criteria used to categorize individuals in the Ontario Health Survey (OHS) and in the Campbell's Survey on Well Being.

**Internet site:** Campbell Survey on Well-Being in Canada: <http://www.cflri.ca/pdf/e/88wkp.pdf>

| Specifications |                       |   |       |
|----------------|-----------------------|---|-------|
| Value          | Condition(s)          | Description   | Notes |
| 9              | ADM_PRX = 1           | Module not asked - proxy interview  | NS    |
| 9              | PACDEE = NS           | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| 1              | (3 <= PACDEE < NA)    | Active  |       |
| 2              | (1.5 <= PACDEE < 3.0) | Moderately active   |       |
| 3              | (0 <= PACDEE < 1.5)   | Inactive  |       |

## 7) Transportation and Leisure Time Physical Activity Index

**Variable name:** PACDLTI

**Based on:** PACDTLE

**Description:** This variable categorizes respondents as being "active", "moderately active", or "inactive" in their transportation and leisure time based on the total daily Energy Expenditure values (kcal/kg/day) calculated for PACDTLE.

**Note:** Transportation and Leisure Time Physical Activity Index follows the same criteria used in PACDPAI (Leisure Time Physical Activity Index).

Transportation physical activity is not collected exclusively in CCHS. For this reason, collected information cannot be presented separately from the leisure time physical activities.

| Specifications |              |                                    |       |
|----------------|--------------|------------------------------------|-------|
| Value          | Condition(s) | Description                        | Notes |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview | NS    |

|   |                        |   |    |
|---|------------------------|---|----|
| 9 | PACDTLE = NS           | Required question was not answered (not stated) | NS |
| 1 | (3 <= PACDTLE < NA)    | Active  |    |
| 2 | (1.5 <= PACDTLE < 3.0) | Moderately active                               |    |
| 3 | (0 <= PACDTLE < 1.5)   | Inactive  |    |

## 8) Daily Energy Expenditure in Transportation and Leisure Time Physical Activities

**Variable name:** PACDTLE

**Based on:** PACDEE, PAC\_Q7, PAC\_Q7A, PAC\_Q7B, PAC\_Q8, PAC\_Q8A, PAC\_Q8B

**Description:** This variable is a measure of the average daily energy expended during transportation and leisure time physical activities by the respondent in the past three months.

**Note:** For more information on how this derived variable is calculated, see note in PACDEE (Daily Energy Expenditure in Leisure Time Physical Activities).

| Temporary Reformat                               |                      |   |                            |
|--|----------------------|---|----------------------------|
| Value  | Condition(s)         | Description   | Notes                      |
| <b>PACDTEA</b>                                   |                      |   |                            |
| 0  | PAC_7B = NA          | Did not participate in transportation or leisure time physical activity           | TRANSPORTATION - WALKING   |
| 0  | (PAC_7B = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | TRANSPORTATION - WALKING   |
| $(PAC\_7A \times 4 \times .2167 \times 3) / 365$ | PAC_7B = 1           | Calculate EE for < 15 min*  | TRANSPORTATION - WALKING   |
| $(PAC\_7A \times 4 \times .3833 \times 3) / 365$ | PAC_7B = 2           | Calculate EE for 16 to 30 min*  | TRANSPORTATION - WALKING   |
| $(PAC\_7A \times 4 \times .75 \times 3) / 365$   | PAC_7B = 3           | Calculate EE for 31 to 60 min*  | TRANSPORTATION - WALKING   |
| $(PAC\_7A \times 4 \times 1 \times 3) / 365$     | PAC_7B = 4           | Calculate EE for > 60 min*  | TRANSPORTATION - WALKING   |
| <b>PACDTEB</b>                                   |                      |   |                            |
| 0  | PAC_8B = NA          | Did not participate in transportation or leisure time physical activity           | TRANSPORTATION - BICYCLING |
| 0  | (PAC_8B = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | TRANSPORTATION - BICYCLING |
| $(PAC\_8A \times 4 \times .2167 \times 4) / 365$ | PAC_8B = 1           | Calculate EE for < 15 min*  | TRANSPORTATION - BICYCLING |
| $(PAC\_8A \times 4 \times .3833 \times 4) / 365$ | PAC_8B = 2           | Calculate EE for 16 to 30 min*  | TRANSPORTATION - BICYCLING |
| $(PAC\_8A \times 4 \times .75 \times 4) / 365$   | PAC_8B = 3           | Calculate EE for 31 to 60 min*  | TRANSPORTATION - BICYCLING |
| $(PAC\_8A \times 4 \times 1 \times 4) / 365$     | PAC_8B = 4           | Calculate EE for > 60 min*  | TRANSPORTATION - BICYCLING |

| Specifications |              |                                    |       |
|----------------|--------------|------------------------------------|-------|
| Value          | Condition(s) | Description                        | Notes |
| 99.9           | ADM_PRX = 1  | Module not asked - proxy interview | NS    |

|   |  |   |   |
|---|--|---|---|
| 99.9  | (PACDEE = DK, R, NS) or (PAC_7B = DK, R, NS) or (PAC_8B = DK, R, NS)     | At least one required question was not answered (don't know, refusal, not stated) | NS  |
| 0   | (PACDEE = 0) and (PAC_7 = 2, 3) and (PAC_8 = 2, 3)                       | No transportation or leisure time physical activity                               |   |
| PACDEE +<br>PACDTEA +<br>PACDTEA +<br>PACDTEA | (0 <= PACDEE < NA) and<br>(0 <= PACDTEA < NA) and<br>(0 <= PACDTEA < NA) | Total daily energy expenditure (kcal/kg/day)                                      | (rounded to one decimal place)<br><br>(min: 0.0; max: 99.5) |

## 9 ) Participant In Transportation or Leisure Time Physical Activity

**Variable name:** PACFLT1

**Based on:** PAC\_1V, PAC\_7, PAC\_8

**Description:** This variable indicates whether the respondent participated in any transportation or leisure time physical activities in the three months prior to the interview.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview                                       | NS    |
| 1              | PAC_1V = 2 or PAC_7 = 1 or PAC_8 = 1                                     | Participates in transportation or leisure time physical activity         |       |
| 2              | (PAC_1V = 1) and<br>(PAC_7 = 2, 3) and<br>(PAC_8 = 2, 3)                 | Does not participate in transportation or leisure time physical activity |       |
| 9              | (PAC_1V = DK, R, NS) or<br>(PAC_7 = DK, R, NS) or<br>(PAC_8 = DK, R, NS) | Required question was not answered (don't know, refusal, not stated)     | NS    |



## Physical activities - Facilities at work (1 DV)

### 1 ) Access to Physical Activity Facilities at Work

**Variable name:** PAFFACC

**Based on:** PAF\_01, PAF\_02, PAF\_03, PAF\_04, PAF\_05, PAF\_06, PAF\_07, PAF\_08

**Description:** This variable identifies whether respondents have access to physical activity facilities at or near their place of work.

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)   | Description   | Notes |
| 6              | DHH_AGE < 15 or DHH_AGE > 75 or (LBS_01 = 2 and LBS_02 = 2) or LBS_01 = 3  | Population exclusion  | NA    |
| 6              | DOPAF = 2  | Module not selected   | NA    |
| 1              | (PAF_02 = 1) or<br>(PAF_03 = 1) or<br>(PAF_04 = 1) or<br>(PAF_05 = 1) or<br>(PAF_06 = 1) or<br>(PAF_07 = 1) or<br>(PAF_08 = 1)   | Has access to physical activity facilities at or near place of work               |       |
| 2              | [(PAF_02 = 2) and<br>(PAF_03 = 2) and<br>(PAF_04 = 2) and<br>(PAF_05 = 2) and<br>(PAF_06 = 2) and<br>(PAF_07 = 2) and<br>(PAF_08 = 2)] or<br>[(PAF_01 = 1) and<br>(PAF_02 = 2) and<br>(PAF_03 = 2) and<br>(PAF_04 = 2) and<br>(PAF_05 = 2)]  | No access to physical activity facilities at or near place of work                |       |
| 9              | (LBS_01 = DK, R, NS) or<br>(LBS_02 = DK, R, NS) or<br>(PAF_02 = DK, R, NS) or<br>(PAF_03 = DK, R, NS) or<br>(PAF_04 = DK, R, NS) or<br>(PAF_05 = DK, R, NS) or<br>(PAF_06 = DK, R, NS) or<br>(PAF_07 = DK, R, NS) or<br>(PAF_08 = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | NS    |

## Psychological well-being (1 DV)

### 1 ) Psychological Well-Being Manifestation Scale (WBMMS)

**Variable name:** PWBDPWB

**Based on:** PWB\_01, PWB\_02, PWB\_03, PWB\_04, PWB\_05, PWB\_06, PWB\_07, PWB\_08, PWB\_09, PWB\_10, PWB\_11, PWB\_12, PWB\_13, PWB\_14, PWB\_15, PWB\_16, PWB\_17, PWB\_18, PWB\_19, PWB\_20, PWB\_21, PWB\_22, PWB\_23, PWB\_24, PWB\_25

**Description:** This variable assesses the level of psychological well-being of the respondent.

**Note:** 1) The scale is base on questions proposed by Raymond Massé (Université Laval). The scale is discussed in the reference presented below.  
2) Higher scores indicate greater well-being.

#### Temporary Reformat

| Value         | Condition(s) | Description   | Notes |
|---------------|--------------|---|-------|
| <b>PWBT01</b> |              |   |       |
| (5 - PWB_01)  | PWB_01 <= 5  | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |       |
| <b>PWBT02</b> |              |   |       |
| (5 - PWB_02)  | PWB_02 <= 5  | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |       |
| <b>PWBT03</b> |              |   |       |
| (5 - PWB_03)  | PWB_03 <= 5  | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |       |
| <b>PWBT04</b> |              |   |       |
| (5 - PWB_04)  | PWB_04 <= 5  | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |       |
| <b>PWBT05</b> |              |   |       |
| (5 - PWB_05)  | PWB_05 <= 5  | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |       |
| <b>PWBT06</b> |              |   |       |
| (5 - PWB_06)  | PWB_06 <= 5  | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |       |
| <b>PWBT07</b> |              |   |       |

|               |             |   |
|---------------|-------------|---|
| (5 - PWB_07)  | PWB_07 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT08</b> |             |   |
| (5 - PWB_08)  | PWB_08 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT09</b> |             |   |
| (5 - PWB_09)  | PWB_09 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT10</b> |             |   |
| (5 - PWB_10)  | PWB_10 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT11</b> |             |   |
| (5 - PWB_11)  | PWB_11 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT12</b> |             |   |
| (5 - PWB_12)  | PWB_12 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT13</b> |             |   |
| (5 - PWB_13)  | PWB_13 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT14</b> |             |   |
| (5 - PWB_14)  | PWB_14 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT15</b> |             |   |
| (5 - PWB_15)  | PWB_15 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT16</b> |             |   |
| (5 - PWB_16)  | PWB_16 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT17</b> |             |   |

|               |             |   |
|---------------|-------------|---|
| (5 - PWB_17)  | PWB_17 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT18</b> |             |   |
| (5 - PWB_18)  | PWB_18 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT19</b> |             |   |
| (5 - PWB_19)  | PWB_19 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT20</b> |             |   |
| (5 - PWB_20)  | PWB_20 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT21</b> |             |   |
| (5 - PWB_21)  | PWB_21 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT22</b> |             |   |
| (5 - PWB_22)  | PWB_22 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT23</b> |             |   |
| (5 - PWB_23)  | PWB_23 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT24</b> |             |   |
| (5 - PWB_24)  | PWB_24 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |
| <b>PWBT25</b> |             |   |
| (5 - PWB_25)  | PWB_25 <= 5 | Reverse code all responses so that higher scores reflect higher levels of well-being.<br><br>Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100. |

## Specifications

| Value | Condition(s) | Description                        | Notes |
|-------|--------------|------------------------------------|-------|
| 996   | PWBFOPT = 2  | Module not selected                | NA    |
| 999   | ADM_PRX = 1  | Module not asked - proxy interview | NS    |

|  |  |  |    |
|--|--|--|----|
| 999  | (PWB_01 = DK, R, NS) or<br>(PWB_02 = DK, R, NS) or<br>(PWB_03 = DK, R, NS) or<br>(PWB_04 = DK, R, NS) or<br>(PWB_05 = DK, R, NS) or<br>(PWB_06 = DK, R, NS) or<br>(PWB_07 = DK, R, NS) or<br>(PWB_08 = DK, R, NS) or<br>(PWB_09 = DK, R, NS) or<br>(PWB_10 = DK, R, NS) or<br>(PWB_11 = DK, R, NS) or<br>(PWB_12 = DK, R, NS) or<br>(PWB_13 = DK, R, NS) or<br>(PWB_14 = DK, R, NS) or<br>(PWB_15 = DK, R, NS) or<br>(PWB_16 = DK, R, NS) or<br>(PWB_17 = DK, R, NS) or<br>(PWB_18 = DK, R, NS) or<br>(PWB_19 = DK, R, NS) or<br>(PWB_20 = DK, R, NS) or<br>(PWB_21 = DK, R, NS) or<br>(PWB_22 = DK, R, NS) or<br>(PWB_23 = DK, R, NS) or<br>(PWB_24 = DK, R, NS) or<br>(PWB_25 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |
| PWBT01 +<br>PWBT02 +<br>PWBT03 +<br>PWBT04 +<br>PWBT05 +<br>PWBT06 +<br>PWBT07 +<br>PWBT08 +<br>PWBT09 +<br>PWBT10 +<br>PWBT11 +<br>PWBT12 +<br>PWBT13 +<br>PWBT14 +<br>PWBT15 +<br>PWBT16 +<br>PWBT17 +<br>PWBT18 +<br>PWBT19 +<br>PWBT20 +<br>PWBT21 +<br>PWBT22 +<br>PWBT23 +<br>PWBT24 +<br>PWBT25 | PWB_01 <= 5 and<br>PWB_02 <= 5 and<br>PWB_03 <= 5 and<br>PWB_04 <= 5 and<br>PWB_05 <= 5 and<br>PWB_06 <= 5 and<br>PWB_07 <= 5 and<br>PWB_08 <= 5 and<br>PWB_09 <= 5 and<br>PWB_10 <= 5 and<br>PWB_11 <= 5 and<br>PWB_12 <= 5 and<br>PWB_13 <= 5 and<br>PWB_14 <= 5 and<br>PWB_15 <= 5 and<br>PWB_16 <= 5 and<br>PWB_17 <= 5 and<br>PWB_18 <= 5 and<br>PWB_19 <= 5 and<br>PWB_20 <= 5 and<br>PWB_21 <= 5 and<br>PWB_22 <= 5 and<br>PWB_23 <= 5 and<br>PWB_24 <= 5 and<br>PWB_25 <= 5  | Score obtained on the psychological well-being scale (min: 0; max: 100)              |    |

Reference: "Élaboration et validation d'un outil de mesure du bien-être psychologique: L'ÉMMBEP" R. Massé, C. Poulin, C. Dassa, J. Lambert, S. Bélair, M.A. Battaglini. *Revue Canadienne de Santé Publique*, Vol. 89. No. 5, pp. 352-357.

## Restriction of activities (2 DVs)

### 1 ) Impact of Health Problems

**Variable name:** RACDIMP

**Based on:** RAC\_2A, RAC\_2B1, RAC\_2B2, RAC\_2C

**Description:** This variable is a crude measure of the impact of long-term physical conditions, mental conditions and health problems on the principal domains of life: home, work, school, and other activities.

**Note:** This variable should not be used to describe the rate of disability or activity limitation in the population. The questions used to derive this variable, plus RAC\_1, were asked in the 2006 Census of Population to identify a sample for the 2006 post-censal Participation and Activity Limitation Survey (PALS).

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 2              | RAC_2A = 2 or<br>RAC_2B1 = 2 or<br>RAC_2B2 = 2 or<br>RAC_2C = 2   | Often  |       |
| 1              | RAC_2A = 1 or<br>RAC_2B1 = 1 or<br>RAC_2B2 = 1 or<br>RAC_2C = 1   | Sometimes  |       |
| 3              | RAC_2A = 3 and<br>(RAC_2B1 = 3, 4) and<br>(RAC_2B2 = 3, 4) and<br>RAC_2C = 3                            | Never  |       |
| 9              | (RAC_2A = DK, R, NS) or<br>(RAC_2B1 = DK, R, NS) or<br>(RAC_2B2 = DK, R, NS) or<br>(RAC_2C = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

### 2 ) Participation and Activity Limitation

**Variable name:** RACDPAL

**Based on:** RAC\_1, RAC\_2A, RAC\_2B1, RAC\_2B2, RAC\_2C

**Description:** This variable classifies respondents according to the frequency with which they experience activity limitations imposed on them by a condition(s) or by long-term physical and/or mental health problems that has lasted or is expected to last 6 months or more.

**Note:** This variable is the same as RACDIMP with the exception that RAC\_1 is used in the calculation. This variable is a modification of the Participation and Activity Limitation Survey (PALS) derived variables. Whereas PALS treats non-response (DK, R) as a negative response (set to "Never"), CCHS treats them as non-response and the derived variable is set to not-stated.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 9              | (RAC_2A = DK, R, NS) or<br>(RAC_2B1 = DK, R, NS) or<br>(RAC_2B2 = DK, R, NS) or<br>(RAC_2C = DK, R, NS) or<br>(RAC_1 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

|   |   |           |
|---|---|-----------|
| 2 | RAC_2A = 2 or<br>RAC_2B1 = 2 or<br>RAC_2B2 = 2 or<br>RAC_2C = 2 or<br>RAC_1 = 2               | Often     |
| 1 | RAC_2A = 1 or<br>RAC_2B1 = 1 or<br>RAC_2B2 = 1 or<br>RAC_2C = 1 or<br>RAC_1 = 1               | Sometimes |
| 3 | RAC_2A = 3 and<br>(RAC_2B1 = 3, 4) and<br>(RAC_2B2 = 3, 4) and<br>RAC_2C = 3 and<br>RAC_1 = 3 | Never     |

## Sedentary activities (2 DVs)

### 1 ) Total Number of Hours Per Week Spent In Sedentary Activities

**Variable name:** SACDTOT

**Based on:** SAC\_1, SAC\_2, SAC\_3, SAC\_4

**Description:** This variable estimates the total number of hours the respondent spent in a typical week in the past three months in sedentary activities including using a computer (including playing computer games), using the Internet, playing video games (e.g. Nintendo, PlayStation) (for respondents aged 25 or less), watching television or videos and reading. For all activities, the time spent at school or work is excluded.

#### Temporary Reformat

| Value                       | Condition(s)  | Description   | Notes |
|-----------------------------|---|---|-------|
| <b>SAC</b>                  |   |   |       |
| 996                         | SAC_1 = NA  | Population exclusion  | NA    |
| 999                         | ADM_PRX = 1   | Module not asked - proxy interview  | NS    |
| 999                         | (SAC_1 = DK, R, NS) or<br>(SAC_2 = DK, R, NS) or<br>(SAC_3 = DK, R, NS) or<br>(SAC_4 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)      | NS    |
| SAC_1+SAC_2+<br>SAC_3+SAC_4 | (0 <= SAC_1 <= 70) and<br>(0 <= SAC_2 <= 70) and<br>(0 <= SAC_3 <= 70) and<br>(0 <= SAC_4 <= 70)  | Total number of hours spent in sedentary activities<br>where the respondent is aged <= 25 |       |
| SAC_1+SAC_3+<br>SAC_4       | (0 <= SAC_1 <= 70) and<br>SAC_2 = NA and<br>(0 <= SAC_3 <= 70) and<br>(0 <= SAC_4 <= 70)          | Total number of hours spent in sedentary activities<br>where respondent is aged >25       |       |

#### Specifications

| Value | Condition(s)     | Description  | Notes |
|-------|------------------|--|-------|
| 96    | SAC = NA         | Module not selected  | NA    |
| 99    | SAC = NS         | Module not asked - proxy interview   | NS    |
| 99    | SAC = NS         | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| 1     | (0 <= SAC < 5)   | Less than 5 hours  |       |
| 2     | (5 <= SAC < 10)  | From 5 to 9 hours  |       |
| 3     | (10 <= SAC < 15) | From 10 to 14 hours  |       |
| 4     | (15 <= SAC < 20) | From 15 to 19 hours  |       |
| 5     | (20 <= SAC < 25) | From 20 to 24 hours  |       |
| 6     | (25 <= SAC < 30) | From 25 to 29 hours  |       |
| 7     | (30 <= SAC < 35) | From 30 to 34 hours  |       |
| 8     | (35 <= SAC < 40) | From 35 to 39 hours  |       |
| 9     | (40 <= SAC < 45) | From 40 to 44 hours  |       |
| 10    | (45 <= SAC < NA) | More than 45 hours   |       |



## 2) Total number of hours per week spent in sedentary activities (excluding reading)

**Variable name:** SACDTER

**Based on:** SAC\_1, SAC\_2, SAC\_3

**Description:** This variable estimates the total number of hours the respondent spent in a typical week in the past three months in sedentary activities including using a computer (including playing computer games), using the Internet, playing video games (e.g. Nintendo, PlayStation)(for respondents aged 25 and less), and watching television or videos. For all activities, the time spent at school or work is excluded. Time spent in reading is not included.

### Temporary Reformat

| Value                    | Condition(s)  | Description   | Notes |
|--------------------------|---|---|-------|
| <b>SACTTER</b>           |   |   |       |
| 996                      | SAC_1 = NA  | Population exclusions   | NA    |
| 999                      | ADM_PRX = 1   | Module not asked - proxy interview  | NS    |
| 999                      | (SAC_1 = DK, R, NS) or<br>(SAC_2 = DK, R, NS) or<br>(SAC_3 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)                                      | NS    |
| SAC_1 + SAC_2 +<br>SAC_3 | (0 <= SAC_1 <= 70) and<br>(0 <= SAC_2 <= 70) and<br>(0 <= SAC_3 <= 70)  | Total number of hours per week spent in sedentary<br>activities (excluding reading) where the respondent<br>is aged <= 25 |       |
| SAC_1 + SAC_3            | (0 <= SAC_1 <= 70) and<br>(0 <= SAC_3 <= 70)                            | Total number of hours per week spent in sedentary<br>activities (excluding reading) where the respondent<br>is aged > 25  |       |

### Specifications

| Value | Condition(s)         | Description   | Notes |
|-------|----------------------|---|-------|
| 96    | SACTTER = NA         | Population exclusion  | NA    |
| 99    | SACTTER = NS         | Module not asked - proxy interview or at least one<br>required question was not answered (don't know,<br>refusal, not stated) | NS    |
| 1     | (0 <= SACTTER < 5)   | Less than 5 hours   |       |
| 2     | (5 <= SACTTER < 10)  | From 5 to 9 hours   |       |
| 3     | (10 <= SACTTER < 15) | From 10 to 14 hours   |       |
| 4     | (15 <= SACTTER < 20) | From 15 to 19 hours   |       |
| 5     | (20 <= SACTTER < 25) | From 20 to 24 hours   |       |
| 6     | (25 <= SACTTER < 30) | From 25 to 29 hours   |       |
| 7     | (30 <= SACTTER < 35) | From 30 to 34 hours   |       |
| 8     | (35 <= SACTTER < 40) | From 35 to 39 hours   |       |
| 9     | (40 <= SACTTER < 45) | From 40 to 44 hours   |       |
| 10    | (45 <= SACTTER < NA) | 45 hours or more  |       |

## Sample variables (2 DVs)

### 1 ) Permission to Share Data

**Variable name:** SAMDSHR

**Based on:** ADM\_Q04B (Share question from the main component [not on file]), PS\_Q01 (Share question from the Exit component [not on file]).

**Description:** This variable indicates whether or not the respondent agreed to share the information collected in the survey with the provincial and territorial ministries of health, Health Canada, the Public Health Agency of Canada, and the "Institut de la Statistique du Québec" for Quebec respondents, as stated in ADM\_Q04B and PS\_Q01. The variable SAMDSHR is calculated from the responses to the Share questions in the main component (ADM\_Q04B) and to the Exit component (PS\_Q01).

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)   | Description                                   | Notes |
| 9              | ADM_Q04B = NS and PS_Q01 = NS                                    | Respondent was not asked to share information | NS    |
| 1              | (ADM_Q04B = 1 and PS_Q01 <> 2) or (ADM_Q04B <> 2 and PS_Q01 = 1) | Respondent agreed to share information        |       |
| 2              | Else   | Respondent did not agree to share information |       |

### 2 ) Permission to Link

**Variable name:** SAMDLNK

**Based on:** ADM\_Q01B (Link question from main component [not on file])

**Description:** This variable indicates whether or not the respondent agreed to allow their questionnaire data to be linked with administrative records of their past and continuing use of health services.

| Specifications |               |  |       |
|----------------|---------------|--|-------|
| Value          | Condition(s)  | Description                                  | Notes |
| 9              | ADM_Q01B = NS | Respondent was not asked the link question   | NS    |
| 1              | ADM_Q01B = 1  | Respondent agreed to link information        |       |
| 2              | Else          | Respondent did not agree to link information |       |

## Smoking cessation methods (1 DV)

### 1 ) Attempted/Successful Quitting

**Variable name:** SCADQUI

**Based on:** SMKDSTY, SMK\_01A, SMK\_202, SMK\_06A, SMK\_09A, SMK\_10, SMK\_10A, SCA\_50, SCH\_3

**Description:** This variable classifies respondents into 4 categories: (a) current daily or occasional smokers who have not tried to quit in the past year, (b) current daily or occasional smokers who have tried to quit unsuccessfully in the past year, (c) former smokers who have successfully quit smoking in the past year and (d) former smokers who have successfully quit smoking more than 1 year ago.

**Note:** Current non-smokers and respondents who smoked less than 100 cigarettes in their lifetime were excluded from the population.  
This derived variable can only be calculated for health regions that also selected the Smoking - Stages of Change (SCH) module.

| Specifications |  |   |       |
|----------------|--|---|-------|
| Value          | Condition(s)   | Description   | Notes |
| 6              | DOSCA = 2  | Module not selected   | NA    |
| 6              | SMK_01A = 2 and<br>SMK_202 = 3   | Population exclusion  | NA    |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview  | NS    |
| 1              | (SMK_202 = 1, 2) and<br>(SCA_50 = 2 or<br>SCH_3 = 2)   | Did not try to quit last year<br>(current daily or occasional smoker)                 |       |
| 2              | (SMK_202 = 1, 2) and<br>(SCA_50 = 1 or<br>SCH_3 = 1)   | Tried to quit unsuccessfully in the last year<br>(current daily or occasional smoker) |       |
| 3              | (SMKDSTY = 4, 5) and<br>(SMK_06A = 1 or<br>SMK_09A = 1 or<br>SMK_10a = 1)  | Successfully quit in the last year<br>(former smoker)                                 |       |
| 4              | (SMKDSTY = 4, 5) and<br>[(2 <= SMK_06A <=4) or<br>(SMK_10 = 1 and<br>(2 <= SMK_09A <=4)) or<br>(2 <= SMK_10A <=4)]   | Successfully quit more than 1 year ago (former<br>smoker)                             |       |
| 9              | SMKDSTY = NS or<br>(SMK_202 = DK, R, NS) or<br>(SMK_06A = DK, R, NS) or<br>(SMK_09A = DK, R, NS) or<br>(SMK_10 = DK, R, NS) or<br>(SMK_10A = DK, R, NS) or<br>(SCA_50 = DK, R, NS) or<br>(SCH_3 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)  | NS    |

## Smoking - Stages of change (1 DV)

The stages of change model defines five stages of change in the process of smoking cessation:

- 1) Precontemplation - The person has no intention of changing behaviour in the foreseeable future (for example, quitting smoking).
- 2) Contemplation - The person is aware of the problem and is seriously thinking about changing the behaviour but has not yet made a commitment to take action or is not confident of being able to sustain the behavioural change (that is, seriously thinking of quitting in the next 30 days but did not try to quit for at least 24 hours in the past 12 months, or seriously thinking of quitting smoking in the next 6 months but not in the next 30 days).
- 3) Preparation - The person is seriously planning to take action in the next month and is confident of success (that is, seriously thinking of quitting smoking in the next 30 days and has already stopped smoking at least once during the past 12 months).
- 4) Action - The person has successfully modified the behaviour within the past 6 months (that is, has quit smoking less than six months ago).
- 5) Maintenance - The person has maintained the behaviour change for at least six months (that is, has quit smoking at least six months ago).

### 1) Smoking Stages of Change (Current and Former Smokers)

**Variable name:** SCHDSTG

**Based on:** SMK\_202, SMK\_06A, SMK\_06B, SMK\_09A, SMK\_09B, SMK\_10, SMK\_10A, SMK\_10B, SCH\_1, SCH\_2, SCH\_3, SCH\_4, ADM\_MOI

**Description:** This variable classifies current and former smokers into categories based on the stages of change model.

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 6              | DOSCH= 2  | Module not selected   | NA    |
| 6              | SMK_202 = 3 and<br>SMK_01A = 2  | Population exclusion  | NA    |
| 9              | ADM_PRX = 1   | Module not asked - proxy interview                              | NS    |
| 1              | (SMK_202 = 1, 2) and<br>SCH_1 = 2   | Precontemplation stage<br>(Current daily or occasional smokers) |       |
| 2              | (SMK_202 = 1, 2) and<br>[(SCH_1 = 1 and<br>SCH_2 = 2) or<br>(SCH_2 = 1 and<br>SCH_3 = 2)]   | Contemplation stage<br>(Current daily or occasional smokers)    |       |
| 3              | (SMK_202 = 1, 2) and<br>SCH_2 = 1 and<br>(1 <= SCH_4 <= 95)   | Preparation stage<br>(Current daily or occasional smokers)      |       |
| 4              | SMK_202 = 3 and<br>(SMK_06B < 6 months from ADM_MOI)<br>or<br>SMK_202 = 3 and SMK_10 = 1 and<br>(SMK_09B < 6 months from ADM_MOI)<br>or<br>SMK_202 = 3 and<br>(SMK_10B < 6 months from ADM_MOI)   | Action stage<br>(Former smoker)                                 |       |
| 5              | SMK_202 = 3 and<br>[(SMK_06A = 2, 3, 4) or<br>(SMK_06B >= 6 months from ADM_MOI)]<br>or<br>SMK_202 = 3 and<br>SMK_10 = 1 and<br>[(SMK_09A = 2, 3, 4) or<br>(SMK_09B >= 6 months from ADM_MOI)]<br>or<br>SMK_202 = 3 and<br>[(SMK_10A = 2, 3, 4) or<br>(SMK_10B >= 6 months from ADM_MOI)] | Maintenance stage<br>(Former smoker)                            |       |

|   |  |  |    |
|---|--|--|----|
| 9 | (SMK_202 = DK, R, NS) or<br>(SMK_06B = DK, R, NS) or<br>(SMK_09B = DK, R, NS) or<br>(SMK_10 = DK, R, NS) or<br>(SMK_10B = DK, R, NS) or<br>(SCH_1 = DK, R, NS) or<br>(SCH_2 = DK, R, NS) or<br>(SCH_3 = DK, R, NS) or<br>(SCH_4 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |
|---|--|--|----|

Reference: DiClemente, C.C., Prochaska, J.O., Fairhurst, S., Velicer, W.F., Rossi J.S., & Velasquez, M. (1991). The process of smoking cessation: An analysis of precontemplation, contemplation and contemplation/action. *Journal of Consulting and Clinical Psychology*, 59, 295-304.

## Socio-demographic characteristics (10 DVs)

### 1 ) Country of birth code

**Variable name:** SDCCCB

**Based on:** SDC\_1, SDC\_1S

**Description:** This variable gives the respondent's country of birth.

**Note:** Coded automatically from SDC\_1 and SDC\_1S ("other specify" write-in answer) using Reference file from the Census.

### 2 ) Country of birth - grouped

**Variable name:** SDCCGB

**Based on:** SDCCCB

**Description:** This variable classifies the respondent based on his/her country of birth in specific groups.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)                                    | Description  | Notes |
| 99             | (SDCCCB = 000, 995, DK, R, NS, Missing)         | Required question was not answered (don't know, refusal, not stated) | NS    |
| 1              | (0 < SDCCCB < 14)                               | Canada   |       |
| 2              | (100 <= SDCCCB < 200) or<br>SDCCCB = 206        | Other North America  |       |
| 3              | (200 < SDCCCB < 206) or<br>(206 < SDCCCB < 500) | South, Central America and Caribbean                                 |       |
| 4              | (500 <= SDCCCB < 600)                           | Europe   |       |
| 5              | (600 <= SDCCCB < 700)                           | Africa   |       |
| 6              | (700 <= SDCCCB < 800)                           | Asia   |       |
| 7              | (800 <= SDCCCB < 900)                           | Oceania  |       |

### 3 ) Language(s) spoken at home

**Variable name:** SDCDLHM

**Based on:** SDC\_5AA, SDC\_5AB, SDC\_5AC, SDC\_5AD, SDC\_5AE, SDC\_5AF, SDC\_5AG, SDC\_5AH, SDC\_5AI, SDC\_5AJ, SDC\_5AK, SDC\_5AL, SDC\_5AM, SDC\_5AN, SDC\_5AO, SDC\_5AP, SDC\_5AQ, SDC\_5AR, SDC\_5AS, SDC\_5AT, SDC\_5AU, SDC\_5AV, SDC\_5AW

**Description:** This variable indicates the language(s) in which the respondent most often speaks at home.

**Note:** Prior to 2007, SDC\_Q5 was a mark one question. Multiple answers are now allowed.

| Specifications |                      |   |       |
|----------------|----------------------|---|-------|
| Value          | Condition(s)         | Description                                     | Notes |
| 99             | (SDC_5AA =DK, R, NS) | Required question was not answered (don't know, | NS    |

refusal, not stated)

|   |   |                         |
|---|---|-------------------------|
| 1 | SDC_5AA = 1 and<br>SDC_5AB > 1 and<br>SDC_5AC > 1 and<br>SDC_5AD > 1 and<br>SDC_5AE > 1 and<br>SDC_5AF > 1 and<br>SDC_5AG > 1 and<br>SDC_5AH > 1 and<br>SDC_5AI > 1 and<br>SDC_5AJ > 1 and<br>SDC_5AK > 1 and<br>SDC_5AL > 1 and<br>SDC_5AM > 1 and<br>SDC_5AN > 1 and<br>SDC_5AO > 1 and<br>SDC_5AP > 1 and<br>SDC_5AQ > 1 and<br>SDC_5AR > 1 and<br>SDC_5AS > 1 and<br>SDC_5AT > 1 and<br>SDC_5AU > 1 and<br>SDC_5AV > 1 and<br>SDC_5AW > 1 | English only            |
| 2 | SDC_5AA > 1 and<br>SDC_5AB = 1 and<br>SDC_5AC > 1 and<br>SDC_5AD > 1 and<br>SDC_5AE > 1 and<br>SDC_5AF > 1 and<br>SDC_5AG > 1 and<br>SDC_5AH > 1 and<br>SDC_5AI > 1 and<br>SDC_5AJ > 1 and<br>SDC_5AK > 1 and<br>SDC_5AL > 1 and<br>SDC_5AM > 1 and<br>SDC_5AN > 1 and<br>SDC_5AO > 1 and<br>SDC_5AP > 1 and<br>SDC_5AQ > 1 and<br>SDC_5AR > 1 and<br>SDC_5AS > 1 and<br>SDC_5AT > 1 and<br>SDC_5AU > 1 and<br>SDC_5AV > 1 and<br>SDC_5AW > 1 | French only             |
| 3 | SDC_5AA = 1 and<br>SDC_5AB = 1 and<br>SDC_5AC > 1 and<br>SDC_5AD > 1 and<br>SDC_5AE > 1 and<br>SDC_5AF > 1 and<br>SDC_5AG > 1 and<br>SDC_5AH > 1 and<br>SDC_5AI > 1 and<br>SDC_5AJ > 1 and<br>SDC_5AK > 1 and<br>SDC_5AL > 1 and<br>SDC_5AM > 1 and<br>SDC_5AN > 1 and<br>SDC_5AO > 1 and<br>SDC_5AP > 1 and<br>SDC_5AQ > 1 and<br>SDC_5AR > 1 and<br>SDC_5AS > 1 and<br>SDC_5AT > 1 and<br>SDC_5AU > 1 and<br>SDC_5AV > 1 and<br>SDC_5AW > 1 | English and French only |

|   |   |                                |
|---|---|--------------------------------|
| 4 | (SDC_5AA = 1 and<br>SDC_5AB = 1) and<br>(SDC_5AC = 1 or<br>SDC_5AD = 1 or<br>SDC_5AE = 1 or<br>SDC_5AF = 1 or<br>SDC_5AG = 1 or<br>SDC_5AH = 1 or<br>SDC_5AI = 1 or<br>SDC_5AJ = 1 or<br>SDC_5AK = 1 or<br>SDC_5AL = 1 or<br>SDC_5AM = 1 or<br>SDC_5AN = 1 or<br>SDC_5AO = 1 or<br>SDC_5AP = 1 or<br>SDC_5AQ = 1 or<br>SDC_5AR = 1 or<br>SDC_5AS = 1 or<br>SDC_5AT = 1 or<br>SDC_5AU = 1 or<br>SDC_5AV = 1 or<br>SDC_5AW = 1) | English, French and Other      |
| 5 | (SDC_5AA = 1 and<br>SDC_5AB > 1) and<br>(SDC_5AC = 1 or<br>SDC_5AD = 1 or<br>SDC_5AE = 1 or<br>SDC_5AF = 1 or<br>SDC_5AG = 1 or<br>SDC_5AH = 1 or<br>SDC_5AI = 1 or<br>SDC_5AJ = 1 or<br>SDC_5AK = 1 or<br>SDC_5AL = 1 or<br>SDC_5AM = 1 or<br>SDC_5AN = 1 or<br>SDC_5AO = 1 or<br>SDC_5AP = 1 or<br>SDC_5AQ = 1 or<br>SDC_5AR = 1 or<br>SDC_5AS = 1 or<br>SDC_5AT = 1 or<br>SDC_5AU = 1 or<br>SDC_5AV = 1 or<br>SDC_5AW = 1) | English and Other (not French) |
| 6 | (SDC_5AA > 1 and<br>SDC_5AB = 1) and<br>(SDC_5AC = 1 or<br>SDC_5AD = 1 or<br>SDC_5AE = 1 or<br>SDC_5AF = 1 or<br>SDC_5AG = 1 or<br>SDC_5AH = 1 or<br>SDC_5AI = 1 or<br>SDC_5AJ = 1 or<br>SDC_5AK = 1 or<br>SDC_5AL = 1 or<br>SDC_5AM = 1 or<br>SDC_5AN = 1 or<br>SDC_5AO = 1 or<br>SDC_5AP = 1 or<br>SDC_5AQ = 1 or<br>SDC_5AR = 1 or<br>SDC_5AS = 1 or<br>SDC_5AT = 1 or<br>SDC_5AU = 1 or<br>SDC_5AV = 1 or<br>SDC_5AW = 1) | French and Other (not English) |



|   |   |                                    |
|---|---|------------------------------------|
| 7 | (SDC_5AA > 1 and<br>SDC_5AB > 1) and<br>(SDC_5AC = 1 or<br>SDC_5AD = 1 or<br>SDC_5AE = 1 or<br>SDC_5AF = 1 or<br>SDC_5AG = 1 or<br>SDC_5AH = 1 or<br>SDC_5AI = 1 or<br>SDC_5AJ = 1 or<br>SDC_5AK = 1 or<br>SDC_5AL = 1 or<br>SDC_5AM = 1 or<br>SDC_5AN = 1 or<br>SDC_5AO = 1 or<br>SDC_5AP = 1 or<br>SDC_5AQ = 1 or<br>SDC_5AR = 1 or<br>SDC_5AS = 1 or<br>SDC_5AT = 1 or<br>SDC_5AU = 1 or<br>SDC_5AV = 1 or<br>SDC_5AW = 1) | Other (neither English nor French) |
|---|---|------------------------------------|

#### 4) Age at time of immigration

|                       |   |
|-----------------------|---|
| <b>Variable name:</b> | SDCDAIM   |
| <b>Based on:</b>      | SDC_3, DHH_YOB  |
| <b>Description:</b>   | This variable indicates the age of the respondent at the time of immigration. |
| <b>Note:</b>          | Non-immigrants were excluded from the population.                             |

| Specifications     |                     |  |                                     |
|--------------------|---------------------|--|-------------------------------------|
| Value              | Condition(s)        | Description  | Notes                               |
| 996                | SDC_3 = NA          | Population exclusion   | NA                                  |
| 999                | (SDC_3 = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | NS                                  |
| SDC_3 -<br>DHH_YOB | SDC_3 < NA          | Age at time of immigration   | [min: 0; max: 130<br>(current age)] |

#### 5) Immigration flag

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | SDCFIMM  |
| <b>Based on:</b>      | SDC_3  |
| <b>Description:</b>   | This variable indicates if the respondent is an immigrant. |

| Specifications |                     |  |       |
|----------------|---------------------|--|-------|
| Value          | Condition(s)        | Description  | Notes |
| 9              | (SDC_3 = DK, R, NS) | Required question was not answered (don't know, refusal, not stated) | NS    |
| 1              | SDC_3 < NA          | Immigrant  |       |
| 2              | SDC_3 = NA          | Not an immigrant   |       |

## 6) Length of time in Canada since immigration

**Variable name:** SDCDRES

**Based on:** SDC\_3, ADM\_YOI

**Description:** This variable indicates the length of time in years the respondent has been in Canada since his/her immigration.

**Note:** Non-immigrants were excluded from the population.

| Specifications  |                     |  |                                  |
|-----------------|---------------------|--|----------------------------------|
| Value           | Condition(s)        | Description  | Notes                            |
| 996             | SDC_3 = NA          | Population exclusion   | NA                               |
| 999             | (SDC_3 = DK, R, NS) | Required question was not answered (don't know, refusal, not stated)           | NS                               |
| ADM_YOI - SDC_3 | SDC_3 < NA          | Length of time in Canada since immigration (interview date - immigration date) | [min: 0; max: 130 (current age)] |

## 7) Language(s) in which respondent can converse

**Variable name:** SDCDLNG

**Based on:** SDC\_5A, SDC\_5B, SDC\_5C, SDC\_5D, SDC\_5E, SDC\_5F, SDC\_5G, SDC\_5H, SDC\_5I, SDC\_5J, SDC\_5K, SDC\_5L, SDC\_5M, SDC\_5N, SDC\_5O, SDC\_5P, SDC\_5Q, SDC\_5R, SDC\_5S, SDC\_5T, SDC\_5U, SDC\_5V, SDC\_5W

**Description:** This variable indicates the language(s) in which the respondent can converse.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 99             | (SDC_5A =DK, R, NS)  | Required question was not answered (don't know, refusal, not stated) | NS    |
| 1              | SDC_5A = 1 and<br>SDC_5B > 1 and<br>SDC_5C > 1 and<br>SDC_5D > 1 and<br>SDC_5E > 1 and<br>SDC_5F > 1 and<br>SDC_5G > 1 and<br>SDC_5H > 1 and<br>SDC_5I > 1 and<br>SDC_5J > 1 and<br>SDC_5K > 1 and<br>SDC_5L > 1 and<br>SDC_5M > 1 and<br>SDC_5N > 1 and<br>SDC_5O > 1 and<br>SDC_5P > 1 and<br>SDC_5Q > 1 and<br>SDC_5R > 1 and<br>SDC_5S > 1 and<br>SDC_5T > 1 and<br>SDC_5U > 1 and<br>SDC_5V > 1 and<br>SDC_5W > 1 | English only   |       |

|   |  |                           |
|---|--|---------------------------|
| 2 | SDC_5A > 1 and<br>SDC_5B = 1 and<br>SDC_5C > 1 and<br>SDC_5D > 1 and<br>SDC_5E > 1 and<br>SDC_5F > 1 and<br>SDC_5G > 1 and<br>SDC_5H > 1 and<br>SDC_5I > 1 and<br>SDC_5J > 1 and<br>SDC_5K > 1 and<br>SDC_5L > 1 and<br>SDC_5M > 1 and<br>SDC_5N > 1 and<br>SDC_5O > 1 and<br>SDC_5P > 1 and<br>SDC_5Q > 1 and<br>SDC_5R > 1 and<br>SDC_5S > 1 and<br>SDC_5T > 1 and<br>SDC_5U > 1 and<br>SDC_5V > 1 and<br>SDC_5W > 1 | French only               |
| 3 | SDC_5A = 1 and<br>SDC_5B = 1 and<br>SDC_5C > 1 and<br>SDC_5D > 1 and<br>SDC_5E > 1 and<br>SDC_5F > 1 and<br>SDC_5G > 1 and<br>SDC_5H > 1 and<br>SDC_5I > 1 and<br>SDC_5J > 1 and<br>SDC_5K > 1 and<br>SDC_5L > 1 and<br>SDC_5M > 1 and<br>SDC_5N > 1 and<br>SDC_5O > 1 and<br>SDC_5P > 1 and<br>SDC_5Q > 1 and<br>SDC_5R > 1 and<br>SDC_5S > 1 and<br>SDC_5T > 1 and<br>SDC_5U > 1 and<br>SDC_5V > 1 and<br>SDC_5W > 1 | English and French only   |
| 4 | (SDC_5A = 1 and<br>SDC_5B = 1) and<br>(SDC_5C = 1 or<br>SDC_5D = 1 or<br>SDC_5E = 1 or<br>SDC_5F = 1 or<br>SDC_5G = 1 or<br>SDC_5H = 1 or<br>SDC_5I = 1 or<br>SDC_5J = 1 or<br>SDC_5K = 1 or<br>SDC_5L = 1 or<br>SDC_5M = 1 or<br>SDC_5N = 1 or<br>SDC_5O = 1 or<br>SDC_5P = 1 or<br>SDC_5Q = 1 or<br>SDC_5R = 1 or<br>SDC_5S = 1 or<br>SDC_5T = 1 or<br>SDC_5U = 1 or<br>SDC_5V = 1 or<br>SDC_5W = 1)                 | English, French and Other |

|   |  |                                    |
|---|--|------------------------------------|
| 5 | (SDC_5A = 1 and<br>SDC_5B > 1) and<br>(SDC_5C = 1 or<br>SDC_5D = 1 or<br>SDC_5E = 1 or<br>SDC_5F = 1 or<br>SDC_5G = 1 or<br>SDC_5H = 1 or<br>SDC_5I = 1 or<br>SDC_5J = 1 or<br>SDC_5K = 1 or<br>SDC_5L = 1 or<br>SDC_5M = 1 or<br>SDC_5N = 1 or<br>SDC_5O = 1 or<br>SDC_5P = 1 or<br>SDC_5Q = 1 or<br>SDC_5R = 1 or<br>SDC_5S = 1 or<br>SDC_5T = 1 or<br>SDC_5U = 1 or<br>SDC_5V = 1 or<br>SDC_5W = 1) | English and Other (not French)     |
| 6 | (SDC_5A > 1 and<br>SDC_5B = 1) and<br>(SDC_5C = 1 or<br>SDC_5D = 1 or<br>SDC_5E = 1 or<br>SDC_5F = 1 or<br>SDC_5G = 1 or<br>SDC_5H = 1 or<br>SDC_5I = 1 or<br>SDC_5J = 1 or<br>SDC_5K = 1 or<br>SDC_5L = 1 or<br>SDC_5M = 1 or<br>SDC_5N = 1 or<br>SDC_5O = 1 or<br>SDC_5P = 1 or<br>SDC_5Q = 1 or<br>SDC_5R = 1 or<br>SDC_5S = 1 or<br>SDC_5T = 1 or<br>SDC_5U = 1 or<br>SDC_5V = 1 or<br>SDC_5W = 1) | French and Other (not English)     |
| 7 | (SDC_5A > 1 and<br>SDC_5B > 1) and<br>(SDC_5C = 1 or<br>SDC_5D = 1 or<br>SDC_5E = 1 or<br>SDC_5F = 1 or<br>SDC_5G = 1 or<br>SDC_5H = 1 or<br>SDC_5I = 1 or<br>SDC_5J = 1 or<br>SDC_5K = 1 or<br>SDC_5L = 1 or<br>SDC_5M = 1 or<br>SDC_5N = 1 or<br>SDC_5O = 1 or<br>SDC_5P = 1 or<br>SDC_5Q = 1 or<br>SDC_5R = 1 or<br>SDC_5S = 1 or<br>SDC_5T = 1 or<br>SDC_5U = 1 or<br>SDC_5V = 1 or<br>SDC_5W = 1) | Other (neither English nor French) |

## 8 ) First official language learned and still understood

**Variable name:** SDCDFL1

**Based on:** SDC\_6A, SDC\_6B, SDC\_6C, SDC\_6D, SDC\_6E, SDC\_6F, SDC\_6G, SDC\_5H, SDC\_6I, SDC\_6J, SDC\_6K, SDC\_6L, SDC\_6M, SDC\_6N, SDC\_6O, SDC\_6P, SDC\_6Q, SDC\_6R, SDC\_6S, SDC\_6T, SDC\_6U, SDC\_6V, SDC\_6W

**Description:** This variable indicates the first official language learned and still understood by the respondent.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 99             | (SDC_6A = DK, R, NS)   | Required question was not answered (don't know, refusal, not stated) | NS    |
| 1              | SDC_6A = 1 and<br>SDC_6B > 1 and<br>SDC_6C > 1 and<br>SDC_6D > 1 and<br>SDC_6E > 1 and<br>SDC_6F > 1 and<br>SDC_6G > 1 and<br>SDC_6H > 1 and<br>SDC_6I > 1 and<br>SDC_6J > 1 and<br>SDC_6K > 1 and<br>SDC_6L > 1 and<br>SDC_6M > 1 and<br>SDC_6N > 1 and<br>SDC_6O > 1 and<br>SDC_6P > 1 and<br>SDC_6Q > 1 and<br>SDC_6R > 1 and<br>SDC_6S > 1 and<br>SDC_6T > 1 and<br>SDC_6U > 1 and<br>SDC_6V > 1 and<br>SDC_6W > 1 | English only   |       |
| 2              | SDC_6A > 1 and<br>SDC_6B = 1 and<br>SDC_6C > 1 and<br>SDC_6D > 1 and<br>SDC_6E > 1 and<br>SDC_6F > 1 and<br>SDC_6G > 1 and<br>SDC_6H > 1 and<br>SDC_6I > 1 and<br>SDC_6J > 1 and<br>SDC_6K > 1 and<br>SDC_6L > 1 and<br>SDC_6M > 1 and<br>SDC_6N > 1 and<br>SDC_6O > 1 and<br>SDC_6P > 1 and<br>SDC_6Q > 1 and<br>SDC_6R > 1 and<br>SDC_6S > 1 and<br>SDC_6T > 1 and<br>SDC_6U > 1 and<br>SDC_6V > 1 and<br>SDC_6W > 1 | French only  |       |

|   |  |                                |
|---|--|--------------------------------|
| 3 | (SDC_6A = 1 and<br>SDC_6B = 1) and<br>SDC_6C > 1 and<br>SDC_6D > 1 and<br>SDC_6E > 1 and<br>SDC_6F > 1 and<br>SDC_6G > 1 and<br>SDC_6H > 1 and<br>SDC_6I > 1 and<br>SDC_6J > 1 and<br>SDC_6K > 1 and<br>SDC_6L > 1 and<br>SDC_6M > 1 and<br>SDC_6N > 1 and<br>SDC_6O > 1 and<br>SDC_6P > 1 and<br>SDC_6Q > 1 and<br>SDC_6R > 1 and<br>SDC_6S > 1 and<br>SDC_6T > 1 and<br>SDC_6U > 1 and<br>SDC_6V > 1 and<br>SDC_6W > 1 | English and French only        |
| 4 | (SDC_6A = 1 and<br>SDC_6B = 1) and<br>(SDC_6C = 1 or<br>SDC_6D = 1 or<br>SDC_6E = 1 or<br>SDC_6F = 1 or<br>SDC_6G = 1 or<br>SDC_6H = 1 or<br>SDC_6I = 1 or<br>SDC_6J = 1 or<br>SDC_6K = 1 or<br>SDC_6L = 1 or<br>SDC_6M = 1 or<br>SDC_6N = 1 or<br>SDC_6O = 1 or<br>SDC_6P = 1 or<br>SDC_6Q = 1 or<br>SDC_6R = 1 or<br>SDC_6S = 1 or<br>SDC_6T = 1 or<br>SDC_6U = 1 or<br>SDC_6V = 1 or<br>SDC_6W = 1)                   | English, French and Other      |
| 5 | (SDC_6A = 1 and<br>SDC_6B > 1) and<br>(SDC_6C = 1 or<br>SDC_6D = 1 or<br>SDC_6E = 1 or<br>SDC_6F = 1 or<br>SDC_6G = 1 or<br>SDC_6H = 1 or<br>SDC_6I = 1 or<br>SDC_6J = 1 or<br>SDC_6K = 1 or<br>SDC_6L = 1 or<br>SDC_6M = 1 or<br>SDC_6N = 1 or<br>SDC_6O = 1 or<br>SDC_6P = 1 or<br>SDC_6Q = 1 or<br>SDC_6R = 1 or<br>SDC_6S = 1 or<br>SDC_6T = 1 or<br>SDC_6U = 1 or<br>SDC_6V = 1 or<br>SDC_6W = 1)                   | English and Other (not French) |

|   |  |                                    |
|---|--|------------------------------------|
| 6 | (SDC_6A > 1 and<br>SDC_6B = 1) and<br>(SDC_6C = 1 or<br>SDC_6D = 1 or<br>SDC_6E = 1 or<br>SDC_6F = 1 or<br>SDC_6G = 1 or<br>SDC_6H = 1 or<br>SDC_6I = 1 or<br>SDC_6J = 1 or<br>SDC_6K = 1 or<br>SDC_6L = 1 or<br>SDC_6M = 1 or<br>SDC_6N = 1 or<br>SDC_6O = 1 or<br>SDC_6P = 1 or<br>SDC_6Q = 1 or<br>SDC_6R = 1 or<br>SDC_6S = 1 or<br>SDC_6T = 1 or<br>SDC_6U = 1 or<br>SDC_6V = 1 or<br>SDC_6W = 1) | French and Other (not English)     |
| 7 | (SDC_6A > 1 and<br>SDC_6B > 1) and<br>(SDC_6C = 1 or<br>SDC_6D = 1 or<br>SDC_6E = 1 or<br>SDC_6F = 1 or<br>SDC_6G = 1 or<br>SDC_6H = 1 or<br>SDC_6I = 1 or<br>SDC_6J = 1 or<br>SDC_6K = 1 or<br>SDC_6L = 1 or<br>SDC_6M = 1 or<br>SDC_6N = 1 or<br>SDC_6O = 1 or<br>SDC_6P = 1 or<br>SDC_6Q = 1 or<br>SDC_6R = 1 or<br>SDC_6S = 1 or<br>SDC_6T = 1 or<br>SDC_6U = 1 or<br>SDC_6V = 1 or<br>SDC_6W = 1) | Other (neither English nor French) |

## 9 ) Aboriginal Identity

**Variable name:** SDCDABT

**Based on:** SDC\_41

**Description:** This derived variable indicates whether the respondent reported being an Aboriginal person.

**Note:** Prior to June 2005 (middle of Cycle 3.1), respondents were able to report aboriginal background in combination with other cultural or racial backgrounds. All Aboriginal respondents were assigned a value of 1 for that variable regardless of whether they reported aboriginal background singly or in combination with non-aboriginal background. Since June 2005, respondents identifying themselves as Aboriginal are not asked SDC\_Q43A to SDC\_Q43M, which collect information on other backgrounds. This change was introduced in order to align with the procedures used in the 2006 Census.

| Specifications |                    |  |       |
|----------------|--------------------|--|-------|
| Value          | Condition(s)       | Description  | Notes |
| 9              | SDC_41 = DK, R, NS | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

|   |            |   |
|---|------------|---|
| 1 | SDC_41 = 1 | Aboriginal identity (North American Indian, Métis, Inuit) |
| 2 | SDC_41 = 2 | Non-Aboriginal identity                                   |

## 10) Cultural / Racial Background

**Variable name:** SDCDCGT

**Based on:** SDC\_43A, SDC\_43B, SDC\_43C, SDC\_43D, SDC\_43E, SDC\_43F, SDC\_43G, SDC\_43H, SDC\_43I, SDC\_43J, SDC\_43K, SDC\_43L, SDC\_43M

**Description:** This variable indicates the cultural or racial background of the respondent. Since the middle of cycle 3.1, this variable excludes all respondents who identify as aboriginal in SDC\_41. (The exclusion of aboriginals from this variable was introduced in the middle of cycle 3.1 to align with Census 2006 procedures).

**Note:** Prior to June 2005, the derived variable included the categories "multiple cultural or racial origins" and "aboriginal only". Respondents who reported Aboriginal origin in combination with any other origin were classified as "multiple cultural or racial origins" and respondents who reported Aboriginal origin but no other origin were classified as "Aboriginal only" for the derived variable. Beginning in June 2005, respondents who identified themselves as aboriginal (SDC\_41=1) were not asked about their cultural or racial background. This change was introduced in order to align with the procedures used in the 2006 Census.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 99             | (SDC_43A = DK, R, NS)  | Required question was not answered (don't know, refusal, not stated) | NS    |
| 96             | SDC_41 = 1   | Aboriginal identity  | NA    |
| 1              | SDC_43A = 1 and<br>SDC_43B > 1 and<br>SDC_43C > 1 and<br>SDC_43D > 1 and<br>SDC_43E > 1 and<br>SDC_43F > 1 and<br>SDC_43G > 1 and<br>SDC_43H > 1 and<br>SDC_43I > 1 and<br>SDC_43J > 1 and<br>SDC_43K > 1 and<br>SDC_43M > 1 | White only   |       |
| 2              | SDC_43A > 1 and<br>SDC_43B > 1 and<br>SDC_43C > 1 and<br>SDC_43D = 1 and<br>SDC_43E > 1 and<br>SDC_43F > 1 and<br>SDC_43G > 1 and<br>SDC_43H > 1 and<br>SDC_43I > 1 and<br>SDC_43J > 1 and<br>SDC_43K > 1 and<br>SDC_43M > 1 | Black only   |       |
| 3              | SDC_43A > 1 and<br>SDC_43B > 1 and<br>SDC_43C > 1 and<br>SDC_43D > 1 and<br>SDC_43E > 1 and<br>SDC_43F > 1 and<br>SDC_43G > 1 and<br>SDC_43H > 1 and<br>SDC_43I > 1 and<br>SDC_43J > 1 and<br>SDC_43K = 1 and<br>SDC_43M > 1 | Korean only  |       |



|   |  |                      |
|---|--|----------------------|
| 4 | SDC_43A > 1 and<br>SDC_43B > 1 and<br>SDC_43C > 1 and<br>SDC_43D > 1 and<br>SDC_43E = 1 and<br>SDC_43F > 1 and<br>SDC_43G > 1 and<br>SDC_43H > 1 and<br>SDC_43I > 1 and<br>SDC_43J > 1 and<br>SDC_43K > 1 and<br>SDC_43M > 1 | Filipino only        |
| 5 | SDC_43A > 1 and<br>SDC_43B > 1 and<br>SDC_43C > 1 and<br>SDC_43D > 1 and<br>SDC_43E > 1 and<br>SDC_43F > 1 and<br>SDC_43G > 1 and<br>SDC_43H > 1 and<br>SDC_43I > 1 and<br>SDC_43J = 1 and<br>SDC_43K > 1 and<br>SDC_43M > 1 | Japanese only        |
| 6 | SDC_43A > 1 and<br>SDC_43B = 1 and<br>SDC_43C > 1 and<br>SDC_43D > 1 and<br>SDC_43E > 1 and<br>SDC_43F > 1 and<br>SDC_43G > 1 and<br>SDC_43H > 1 and<br>SDC_43I > 1 and<br>SDC_43J > 1 and<br>SDC_43K > 1 and<br>SDC_43M > 1 | Chinese only         |
| 7 | SDC_43A > 1 and<br>SDC_43B > 1 and<br>SDC_43C = 1 and<br>SDC_43D > 1 and<br>SDC_43E > 1 and<br>SDC_43F > 1 and<br>SDC_43G > 1 and<br>SDC_43H > 1 and<br>SDC_43I > 1 and<br>SDC_43J > 1 and<br>SDC_43K > 1 and<br>SDC_43M > 1 | South Asian only     |
| 8 | SDC_43A > 1 and<br>SDC_43B > 1 and<br>SDC_43C > 1 and<br>SDC_43D > 1 and<br>SDC_43E > 1 and<br>SDC_43F > 1 and<br>SDC_43G = 1 and<br>SDC_43H > 1 and<br>SDC_43I > 1 and<br>SDC_43J > 1 and<br>SDC_43K > 1 and<br>SDC_43M > 1 | Southeast Asian only |

|    |  |  |
|----|--|--|
| 9  | SDC_43A > 1 and<br>SDC_43B > 1 and<br>SDC_43C > 1 and<br>SDC_43D > 1 and<br>SDC_43E > 1 and<br>SDC_43F > 1 and<br>SDC_43G > 1 and<br>SDC_43H = 1 and<br>SDC_43I > 1 and<br>SDC_43J > 1 and<br>SDC_43K > 1 and<br>SDC_43M > 1 | Arab only                              |
| 10 | SDC_43A > 1 and<br>SDC_43B > 1 and<br>SDC_43C > 1 and<br>SDC_43D > 1 and<br>SDC_43E > 1 and<br>SDC_43F > 1 and<br>SDC_43G > 1 and<br>SDC_43H > 1 and<br>SDC_43I = 1 and<br>SDC_43J > 1 and<br>SDC_43K > 1 and<br>SDC_43M > 1 | West Asian only                        |
| 11 | SDC_43A > 1 and<br>SDC_43B > 1 and<br>SDC_43C > 1 and<br>SDC_43D > 1 and<br>SDC_43E > 1 and<br>SDC_43F = 1 and<br>SDC_43G > 1 and<br>SDC_43H > 1 and<br>SDC_43I > 1 and<br>SDC_43J > 1 and<br>SDC_43K > 1 and<br>SDC_43M > 1 | Latin American only                    |
| 12 | SDC_43A > 1 and<br>SDC_43B > 1 and<br>SDC_43C > 1 and<br>SDC_43D > 1 and<br>SDC_43E > 1 and<br>SDC_43F > 1 and<br>SDC_43G > 1 and<br>SDC_43H > 1 and<br>SDC_43I > 1 and<br>SDC_43J > 1 and<br>SDC_43K > 1 and<br>SDC_43M = 1 | Other racial or cultural origin (only) |
| 13 | SDC_41 > 1 and<br>More than one category answered<br>From SDC_43A to SDC_43M.  | Multiple racial or cultural origins    |

## Self-esteem (1 DV)

| Temporary Reformat              |              |   |       |
|---------------------------------|--------------|---|-------|
| Value                           | Condition(s) | Description   | Notes |
| <b>SFET501</b><br>(5 - SFE_501) | SFE_501 <= 5 | Invert and rescale the question answers from 1 - 5 to 4 - 0 |       |
| <b>SFET502</b><br>(5 - SFE_502) | SFE_502 <= 5 | Invert and rescale the question answers from 1 - 5 to 4 - 0 |       |
| <b>SFET503</b><br>(5 - SFE_503) | SFE_503 <= 5 | Invert and rescale the question answers from 1 - 5 to 4 - 0 |       |
| <b>SFET504</b><br>(5 - SFE_504) | SFE_504 <= 5 | Invert and rescale the question answers from 1 - 5 to 4 - 0 |       |
| <b>SFET505</b><br>(5 - SFE_505) | SFE_505 <= 5 | Invert and rescale the question answers from 1 - 5 to 4 - 0 |       |
| <b>SFET506</b><br>(SFE_506 - 1) | SFE_506 <= 5 | Rescale the question answers                                |       |

### 1 ) Derived Self-Esteem Scale

**Variable name:** SFED1

**Based on:** SFE\_501, SFE\_502, SFE\_503, SFE\_504, SFE\_505, SFE\_506

**Description:** This variable assesses the level of self-esteem (positive feeling) an individual has.

**Note:** 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.

| Specifications   |   |   |                   |
|--|---|---|-------------------|
| Value  | Condition(s)  | Description   | Notes             |
| 96   | DOSFE = 2   | Module not selected   | NA                |
| 99   | ADM_PRX = 1   | Module not asked - proxy interview  | NS                |
| 99   | (SFET501 = DK, R, NS) or<br>(SFET502 = DK, R, NS) or<br>(SFET503 = DK, R, NS) or<br>(SFET504 = DK, R, NS) or<br>(SFET505 = DK, R, NS) or<br>(SFET506 = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | NS                |
| SFET501 +<br>SFET502 +<br>SFET503 +<br>SFET504 +<br>SFET505 +<br>SFET506 | (0 <= SFET501 <= 4) and<br>(0 <= SFET502 <= 4) and<br>(0 <= SFET503 <= 4) and<br>(0 <= SFET504 <= 4) and<br>(0 <= SFET505 <= 4) and<br>(0 <= SFET506 <= 4)        | Score obtained on the self-esteem scale   | (min: 0; max: 24) |

Reference: Rosenberg, Morris, Conceiving the self, appendix A, 1979, pp. 291-295.

## Health status (SF-36) (10 DVs)

The 36-item short form (SF-36) of the Medical Outcomes Study questionnaire was designed as a generic indicator of health status for use in population surveys and evaluative studies of health policy. The SF-36 was developed by John E. Ware Jr., Institute for the Improvement of Medical Care and Health, New England Medical Center Hospitals. The items in the SF-36 were drawn from the original 245-item Medical Outcomes Study (MOS). The SF-36 includes multi-item scales to measure the following three major health attributes and eight health concepts:

### Functional Status

- Physical Functioning
- Social Functioning
- Role Limitations attributed to Physical Problems
- Role Limitations attributed to Emotional Problems

### Well-Being

- Mental Health
- Energy (vitality)
- Bodily Pain

### Overall Evaluation of Health

- General Health Perception

A scale is calculated for each of the eight health concepts. All scales are scored so that a high score is consistent with a positive health status. For example, a "functioning" scale is scored so that a higher score reflects increased function.

In order to facilitate comparisons across the SF-36 scales, the raw scores for each scale are linearly transformed to a 0-to-100 scale using the formula:

Transformed scale = [(Actual score - Lowest possible score) / Possible score range] X 100

The transformed score reflects a relative position of the respondent on a continuum of lowest to highest possible scale scores.

Two summary measures of physical and mental health are also constructed from the eight scales.

### Temporary Reformat

| Value         | Condition(s)                         | Description  | Notes |
|---------------|--------------------------------------|--|-------|
| <b>SFRT01</b> |                                      |  |       |
| 1             | GEN_01 = 5                           | Rescale responses required to create the eight health concept scales |       |
| 2.0           | GEN_01 = 4                           | Rescale responses required to create the eight health concept scales |       |
| 3.4           | GEN_01 = 3                           | Rescale responses required to create the eight health concept scales |       |
| 4.4           | GEN_01 = 2                           | Rescale responses required to create the eight health concept scales |       |
| 5             | GEN_01 = 1                           | Rescale responses required to create the eight health concept scales |       |
| <b>SFRT20</b> |                                      |  |       |
| (6 – SFR_20)  | All                                  | Rescale responses required to create the eight health concept scales |       |
| <b>SFRT21</b> |                                      |  |       |
| 1             | SFR_21 = 6                           | Rescale responses required to create the eight health concept scales |       |
| 2.2           | SFR_21 = 5                           | Rescale responses required to create the eight health concept scales |       |
| 3.1           | SFR_21 = 4                           | Rescale responses required to create the eight health concept scales |       |
| 4.2           | SFR_21 = 3                           | Rescale responses required to create the eight health concept scales |       |
| 5.4           | SFR_21 = 2                           | Rescale responses required to create the eight health concept scales |       |
| 6             | SFR_21 = 1                           | Rescale responses required to create the eight health concept scales |       |
| <b>SFRT22</b> |                                      |  |       |
| 1             | SFR_22 = 5 and<br>(1 <= SFR_21 <= 6) | Rescale responses required to create the eight health concept scales |       |
| 2             | SFR_22 = 4 and<br>(1 <= SFR_21 <= 6) | Rescale responses required to create the eight health concept scales |       |

|               |                                      |  |
|---------------|--------------------------------------|--|
| 3             | SFR_22 = 3 and<br>(1 <= SFR_21 <= 6) | Rescale responses required to create the eight health concept scales |
| 4             | SFR_22 = 2 and<br>(1 <= SFR_21 <= 6) | Rescale responses required to create the eight health concept scales |
| 5             | SFR_22 = 1 and<br>(2 <= SFR_21 <= 6) | Rescale responses required to create the eight health concept scales |
| 6             | SFR_22 = 1 and<br>SFR_21 = 1         | Rescale responses required to create the eight health concept scales |
| <b>SFRT23</b> |                                      |  |
| (7 – SFR_23)  | All                                  | Rescale responses required to create the eight health concept scales |
| <b>SFRT26</b> |                                      |  |
| (7 – SFR_26)  | All                                  | Rescale responses required to create the eight health concept scales |
| <b>SFRT27</b> |                                      |  |
| (7 – SFR_27)  | All                                  | Rescale responses required to create the eight health concept scales |
| <b>SFRT30</b> |                                      |  |
| (7 – SFR_30)  | All                                  | Rescale responses required to create the eight health concept scales |
| <b>SFRT34</b> |                                      |  |
| (6 – SFR_34)  | All                                  | Rescale responses required to create the eight health concept scales |
| <b>SFRT36</b> |                                      |  |
| (6 – SFR_36)  | All                                  | Rescale responses required to create the eight health concept scales |

## 1 ) Physical Functioning Scale

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | SFRDPFS  |
| <b>Based on:</b>      | SFR_03, SFR_04, SFR_05, SFR_06, SFR_07, SFR_08, SFR_09, SFR_10, SFR_11, SFR_12                                 |
| <b>Description:</b>   | This variable measures the level of physical functioning of the respondent relative to the general population. |
| <b>Note:</b>          | A high score reflects increased physical function.   |

| Specifications  |   |   |                    |
|---|---|---|--------------------|
| Value   | Condition(s)  | Description   | Notes              |
| 996   | DOSFR = 2   | Module not selected   | NA                 |
| 999   | (SFR_03 = DK, R, NS) or<br>(SFR_04 = DK, R, NS) or<br>(SFR_05 = DK, R, NS) or<br>(SFR_06 = DK, R, NS) or<br>(SFR_07 = DK, R, NS) or<br>(SFR_08 = DK, R, NS) or<br>(SFR_09 = DK, R, NS) or<br>(SFR_10 = DK, R, NS) or<br>(SFR_11 = DK, R, NS) or<br>(SFR_12 = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | NS                 |
| $100 * [(SFR_03 + SFR_04 + SFR_05 + SFR_06 + SFR_07 + SFR_08 + SFR_09 + SFR_10 + SFR_11 + SFR_12) - 10] / 20$ | (1 <= SFR_03 <= 3) and<br>(1 <= SFR_04 <= 3) and<br>(1 <= SFR_05 <= 3) and<br>(1 <= SFR_06 <= 3) and<br>(1 <= SFR_07 <= 3) and<br>(1 <= SFR_08 <= 3) and<br>(1 <= SFR_09 <= 3) and<br>(1 <= SFR_10 <= 3) and<br>(1 <= SFR_11 <= 3) and<br>(1 <= SFR_12 <= 3)            | Score obtained on the physical functioning scale                                  | (min: 0; max: 100) |

## 2) Social Functioning Scale

**Variable name:** SFRDSFS

**Based on:** SFR\_20, SFR\_32

**Description:** This variable measures the level of social functioning of the respondent relative to the general population.

**Note:** A high score reflects increased social functioning.

| Specifications                      |   |  |                    |
|-------------------------------------|---|--|--------------------|
| Value                               | Condition(s)                                    | Description  | Notes              |
| 996                                 | DOSFR = 2                                       | Module not selected  | NA                 |
| 999                                 | (SFR_20 = DK, R, NS) or<br>(SFR_32 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                 |
| $100 * [(SFRT20 + SFR_32) - 2] / 9$ | (1 ≤ SFRT20 ≤ 5) and<br>(1 ≤ SFR_32 ≤ 6)        | Score obtained on the social functioning scale                                       | (min: 0; max: 100) |

## 3) Role Functioning (Physical) Scale

**Variable name:** SFRDPRF

**Based on:** SFR\_13, SFR\_14, SFR\_15, SFR\_16

**Description:** This variable measures the role limitations due to physical health problems for the respondent relative to the general population.

**Note:** A high score reflects increased physical function (ie., less limitation).

| Specifications  |   |  |                    |
|---|---|--|--------------------|
| Value   | Condition(s)  | Description  | Notes              |
| 996   | DOSFR = 2   | Module not selected  | NA                 |
| 999   | (SFR_13 = DK, R, NS) or<br>(SFR_14 = DK, R, NS) or<br>(SFR_15 = DK, R, NS) or<br>(SFR_16 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                 |
| $100 * [(SFR_13 + SFR_14 + SFR_15 + SFR_16) - 4] / 4$ | (1 ≤ SFR_13 ≤ 2) and<br>(1 ≤ SFR_14 ≤ 2) and<br>(1 ≤ SFR_15 ≤ 2) and<br>(1 ≤ SFR_16 ≤ 2)              | Score obtained on the role functioning (physical) scale                              | (min: 0; max: 100) |

## 4) Role Functioning (Mental) Scale

**Variable name:** SFRDMRF

**Based on:** SFR\_17, SFR\_18, SFR\_19

**Description:** This variable measures the mental role functioning of the respondent relative to the general population.

**Note:** A high score is consistent with a positive mental health status.

| Specifications                                  |  |  |                    |
|---|--|--|--------------------|
| Value   | Condition(s)   | Description  | Notes              |
| 996   | DOSFR = 2  | Module not selected  | NA                 |
| 999   | (SFR_17 = DK, R, NS) or<br>(SFR_18 = DK, R, NS) or<br>(SFR_19 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                 |
| $100 * [(SFR\_17 + SFR\_18 + SFR\_19) - 3] / 3$ | (1 <= SFR_17 <= 2) and<br>(1 <= SFR_18 <= 2) and<br>(1 <= SFR_19 <= 2)     | Score obtained on the role functioning (mental) scale                                | (min: 0; max: 100) |

## 5) General Mental Health Scale

**Variable name:** SFRDGMH

**Based on:** SFR\_24, SFR\_25, SFR\_26, SFR\_28, SFR\_30

**Description:** This variable indicates the general mental health of people in the general population.

**Note:** The scale is transformed to facilitate comparisons across scales and reflect a relative position. A high score is consistent with a positive general mental health status.

| Specifications   |  |  |                    |
|--|--|--|--------------------|
| Value  | Condition(s)   | Description  | Notes              |
| 996  | DOSFR = 2  | Module not selected  | NA                 |
| 999  | (SFR_24 = DK, R, NS) or<br>(SFR_25 = DK, R, NS) or<br>(SFR_26 = DK, R, NS) or<br>(SFR_28 = DK, R, NS) or<br>(SFR_30 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                 |
| $100 * [(SFR\_24 + SFR\_25 + SFRT26 + SFR\_28 + SFRT30) - 5] / 25$ | (1 <= SFR_24 <= 6) and<br>(1 <= SFR_25 <= 6) and<br>(1 <= SFRT26 <= 6) and<br>(1 <= SFR_28 <= 6) and<br>(1 <= SFRT30 <= 6)       | Score obtained on the general mental health scale                                    | (min: 0; max: 100) |

## 6) Vitality Scale

**Variable name:** SFRDVTS

**Based on:** SFR\_23, SFR\_27, SFR\_29, SFR\_31

**Description:** This variable indicates a measure of energy (vitality) of the respondent relative to the general population.

**Note:** A high score is consistent with a positive level of energy.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 996            | DOSFR = 2   | Module not selected  | NA    |
| 999            | (SFR_23 = DK, R, NS) or<br>(SFR_27 = DK, R, NS) or<br>(SFR_29 = DK, R, NS) or<br>(SFR_31 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

|  |  |                                      |                    |
|--|--|--------------------------------------|--------------------|
| $100 * ((\text{SFRT23} + \text{SFRT27} + \text{SFR\_29} + \text{SFR\_31}) - 4) / 20$ | (1 ≤ SFRT23 ≤ 6) and<br>(1 ≤ SFRT27 ≤ 6) and<br>(1 ≤ SFR_29 ≤ 6) and<br>(1 ≤ SFR_31 ≤ 6) | Score obtained on the vitality scale | (min: 0; max: 100) |
|--|--|--------------------------------------|--------------------|

## 7) Bodily Pain Scale

**Variable name:** SFRDBPS

**Based on:** SFR\_21, SFR\_22

**Description:** This variable indicates a measure of bodily pain experienced by the respondent relative to the general population.

**Note:** A high score is consistent with a decreased level of pain.

### Specifications

| Value  | Condition(s)                                    | Description  | Notes              |
|--|---|--|--------------------|
| 996  | DOSFR = 2                                       | Module not selected  | NA                 |
| 999  | (SFRT21 = DK, R, NS) or<br>(SFRT22 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                 |
| $100 * ((\text{SFRT21} + \text{SFRT22}) - 2) / 10$ | (1 ≤ SFRT21 ≤ 6) and<br>(1 ≤ SFRT22 ≤ 6)        | Score obtained on the bodily pain scale  | (min: 0; max: 100) |

## 8) General Health Perceptions Scale

**Variable name:** SFRDGHP

**Based on:** SFR\_01, SFR\_33, SFR\_34, SFR\_35, SFR\_36

**Description:** This variable indicates the general health perceptions of the respondent relative to the general population.

**Note:** A high score is consistent with a positive perception of one's general health status.

### Temporary Reformat

| Value   | Condition(s) | Description  | Notes |
|---|--------------|--|-------|
| <b>SFRDBPST</b><br>$(\text{SFRDBPS} - 75.49196) / 23.55879$ |              | Reformat the eight health concept scales to calculate two summary measures of physical and mental health |       |
| <b>SFRDGHPT</b><br>$(\text{SFRDGHP} - 72.21316) / 20.16964$ |              | Reformat the eight health concept scales to calculate two summary measures of physical and mental health |       |
| <b>SFRDGMHT</b><br>$(\text{SFRDGMH} - 74.84212) / 18.01189$ |              | Reformat the eight health concept scales to calculate two summary measures of physical and mental health |       |
| <b>SFRDMRFT</b><br>$(\text{SFRDMRF} - 81.29467) / 33.02717$ |              | Reformat the eight health concept scales to calculate two summary measures of physical and mental health |       |



**SFRDPFST**(SFRDPFS -  
84.52404) /  
22.89490Reformat the eight health concept scales to  
calculate two summary measures of physical and  
mental health**SFRDPRFT**(SFRDPRF -  
81.19907) /  
33.79729Reformat the eight health concept scales to  
calculate two summary measures of physical and  
mental health**SFRDSFST**(SFRDSFS -  
83.59753) /  
22.37642Reformat the eight health concept scales to  
calculate two summary measures of physical and  
mental health**SFRDVTST**(SFRDVTS -  
61.05453) /  
20.86942Reformat the eight health concept scales to  
calculate two summary measures of physical and  
mental health**Specifications**

| Value  | Condition(s)   | Description  | Notes              |
|--|--|--|--------------------|
| 996  | DOSFR = 2  | Module not selected  | NA                 |
| 999  | (SFRT01 = DK, R, NS) or<br>(SFR_33 = DK, R, NS) or<br>(SFR_34 = DK, R, NS) or<br>(SFR_35 = DK, R, NS) or<br>(SFR_36 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                 |
| 100*[(SFRT01<br>+ SFR_33 +<br>SFRT34 +<br>SFR_35 +<br>SFRT36) - 5] /<br>20 | (1 <= SFRT01 <= 5) and<br>(1 <= SFR_33 <= 5) and<br>(1 <= SFRT34 <= 5) and<br>(1 <= SFR_35 <= 5) and<br>(1 <= SFRT36 <= 5)       | Score obtained on the general health perception<br>scale                             | (min: 0; max: 100) |

**9) Summary Measure of Physical Health****Variable name:** SFRDPCS**Based on:** SFRDPFS, SFRDSFS, SFRDPRF, SFRDMRF, SFRDGMH, SFRDVTS, SFRDBPS, SFRDGHP**Description:** This variable is a summary measure of physical health that is constructed from the eight health concept scales (physical functioning, social functioning, role limitation-physical, role limitation-mental, general mental health, vitality, bodily pain, general health perceptions).**Specifications**

| Value | Condition(s)  | Description  | Notes |
|-------|---|--|-------|
| 96    | DOSFR = 2   | Module not selected  | NA    |
| 99    | SFRDPFS = NS or<br>SFRDSFS = NS or<br>SFRDPRF = NS or<br>SFRDMRF = NS or<br>SFRDGMH = NS or<br>SFRDVTS = NS or<br>SFRDBPS = NS or<br>SFRDGHP = NS | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

|   |   |                                    |                  |
|---|---|------------------------------------|------------------|
| [(SFRDPFST *<br>.42402) +<br>(SFRDSFST * -<br>.00753) +<br>(SFRDPRFT *<br>.35119) +<br>(SFRDMRFT * -<br>.19206) +<br>(SFRDGMHT<br>* -.22069) +<br>(SFRDVTST *<br>.02877) +<br>(SFRDBPST *<br>.31754) +<br>(SFRDGHPT *<br>.24954)) * 10]<br>+ 50 | SFRDPFS <> NS and<br>SFRDSFS <> NS and<br>SFRDPRF <> NS and<br>SFRDMRF <> NS and<br>SFRDGMH <> NS and<br>SFRDVTST <> NS and<br>SFRDBPS <> NS and<br>SFRDGHP <> NS | Summary measure of physical health | (min: 8; max 68) |
|---|---|------------------------------------|------------------|

## 10) Summary Measure of Mental Health

**Variable name:** SFRDMCS

**Based on:** SFRDPFS, SFRDSFS, SFRDPRF, SFRDMRF, SFRDGMH, SFRDVTST, SFRDBPS, SFRDGHP

**Description:** This variable is a summary measure of mental health that is constructed from the eight health concept scales (physical functioning, social functioning, role limitation-physical, role limitation-mental, general mental health, vitality, bodily pain, general health perceptions).

| Specifications   |   |   |                   |
|--|---|---|-------------------|
| Value  | Condition(s)  | Description   | Notes             |
| 96   | DOSFR = 2   | Module not selected   | NA                |
| 99   | SFRDPFS = NS or<br>SFRDSFS = NS or<br>SFRDPRF = NS or<br>SFRDMRF = NS or<br>SFRDGMH = NS or<br>SFRDVTST = NS or<br>SFRDBPS = NS or<br>SFRDGHP = NS                | At least one required question was not answered (don't know, refusal, not stated) | NS                |
| [((SFRDPFST<br>* -.22999) +<br>(SFRDSFST *<br>.26876) +<br>(SFRDPRFT * -<br>.12329) +<br>(SFRDMRFT *<br>.43407) +<br>(SFRDGMHT *<br>.48581) +<br>(SFRDVTST *<br>.23534) +<br>(SFRDBPST * -<br>.09731) +<br>(SFRDGHPT * -<br>.01571)) * 10]<br>+ 50 | SFRDPFS <> NS and<br>SFRDSFS <> NS and<br>SFRDPRF <> NS and<br>SFRDMRF <> NS and<br>SFRDGMH <> NS and<br>SFRDVTST <> NS and<br>SFRDBPS <> NS and<br>SFRDGHP <> NS | Summary measure of mental health  | (min: 3; max: 74) |

## Smoking (3 DVs)

### 1 ) Type of Smoker

**Variable name:** SMKDSTY

**Based on:** SMK\_01A, SMK\_01B, SMK\_202, SMK\_05D

**Description:** This variable indicates the type of smoker the respondent is, based on his/her smoking habits.

**Note:** This variable includes lifetime cigarette consumption.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 1              | SMK_202 = 1   | Daily smoker   |       |
| 2              | SMK_202 = 2 and<br>SMK_05D = 1  | Occasional smoker<br>(former daily smoker)   |       |
| 3              | SMK_202 = 2 and<br>(SMK_05D = 2, NA)  | Occasional smoker<br>(never a daily smoker or has smoked less than 100<br>cigarettes lifetime) |       |
| 4              | SMK_202 = 3 and<br>SMK_05D = 1  | Former daily smoker<br>(non-smoker now)  |       |
| 5              | SMK_202 = 3 and<br>[SMK_05D = 2 and<br>SMK_01A = 1 or<br>SMK_01B = 1]                                     | Former occasional smoker<br>(at least 1 whole cigarette, non-smoker now)                       |       |
| 6              | SMK_202 = 3 and<br>SMK_01A = 2 and<br>SMK_01B = 2   | Never smoked<br>(a whole cigarette)  |       |
| 99             | (SMK_01A = DK, R, NS) or<br>(SMK_01B = DK, R, NS) or<br>(SMK_202 = DK, R, NS) or<br>(SMK_05D = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated)           | NS    |

### 2 ) Number of Years Since Stopped Smoking Completely

**Variable name:** SMKDSTP

**Based on:** SMK\_06A, SMK\_06C, SMK\_09A, SMK\_09C, SMK\_10, SMK\_10A, SMK\_10C, SMKDSTY

**Description:** This variable indicates the approximate number of years since former smokers completely quit smoking.

**Note:** Current smokers and respondents who have never smoked a whole cigarette and respondents who have not smoked a total of 100 cigarettes or more in their lifetime were excluded from the population.

| Specifications |  |                       |       |
|----------------|--|-----------------------|-------|
| Value          | Condition(s)   | Description           | Notes |
| 996            | (SMKDSTY = 1, 2, 3, 6) or<br>(SMK_202 = 3 and<br>SMK_01A = 2 and<br>SMK_01B = 1) | Population exclusions | NA    |

|         |   |  |                        |
|---------|---|--|------------------------|
| 999     | SMKDSTY = NS or<br>(SMK_10 = DK, R, NS) or<br>(SMK_06A = DK, R, NS) or<br>(SMK_06C = DK, R, NS) or<br>(SMK_09A = DK, R, NS) or<br>(SMK_09C = DK, R, NS) or<br>(SMK_10A = DK, R, NS) or<br>(SMK_10C = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                     |
| 0       | SMK_06A = 1 or<br>(SMK_10 = 1 and<br>SMK_09A = 1) or<br>SMK_10A = 1   | Number of years since completely quit smoking  | (less than 1 year)     |
| 1       | SMK_06A = 2 or<br>(SMK_10 = 1 and<br>SMK_09A = 2) or<br>SMK_10A = 2   | Number of years since completely quit smoking  | (1 year to < 2 years)  |
| 2       | SMK_06A = 3 or<br>(SMK_10 = 1 and<br>SMK_09A = 3) or<br>SMK_10A = 3   | Number of years since completely quit smoking  | (2 years to < 3 years) |
| SMK_06C | SMK_06A = 4   | Number of years since completely quit smoking  | (min: 3; max: 125)     |
| SMK_09C | SMK_09A = 4 and<br>SMK_10 = 1   | Number of years since completely quit smoking  | (min: 3; max: 125)     |
| SMK_10C | SMK_10A = 4   | Number of years since completely quit smoking  | (min: 3; max: 125)     |

### 3 ) Number of Years Smoked Daily (Current Daily Smokers Only)

**Variable name:** SMKDYCS

**Based on:** SMK\_202, SMK\_203, DHH\_AGE

**Description:** This variable indicates the number of years the respondent has smoked daily.

**Note:** Respondents who are not daily smokers have been excluded from the population. The NPHS variables includes non-smokers and occasional smokers who previously smoked daily.

| Specifications       |   |  |                    |
|----------------------|---|--|--------------------|
| Value                | Condition(s)                                      | Description  | Notes              |
| 996                  | (SMK_202 = 2, 3)                                  | Population exclusion   | NA                 |
| 999                  | (SMK_202 = DK, R, NS) or<br>(SMK_203 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                 |
| DHH_AGE -<br>SMK_203 | SMK_202 = 1                                       | Number of years smoked daily   | (min: 0; max: 125) |

## Social support - Availability (4 DVs)

The Medical Outcomes Study (MOS) Social Support Survey provides indicators of four categories of Social Support. An initial pool of 50 items was reduced to 19 functional support items that were hypothesized to cover five dimensions:

- Emotional support - the expression of positive affect, empathetic understanding, and the encouragement of expressions of feelings.
- Informational support - the offering of advice, information, guidance or feedback.
- Tangible support - the provision of material aid or behavioural assistance.
- Positive social interaction - the availability of other persons to do fun things with you.
- Affection - involving expressions of love and affection.

Empirical analysis indicated that emotional and informational support items should be scored together, so 4 subscales are derived:

- Tangible social support (questions 2, 5, 12, 15)
- Affection (questions 6, 10, 20)
- Positive social interaction (questions 7, 11, 14, 18)
- Emotional or informational support (question 3, 4, 8, 9, 13, 16, 17, 19)

### Temporary Reformat

| Value                         | Condition(s) | Description   | Notes |
|-------------------------------|--------------|---|-------|
| <b>SSAT02</b><br>(SSA_02 - 1) | SSA_02 <= 5  | Rescale the answers from 1 to 5 to 0 to 4<br><br>Where 0 is "never" and 4 is "always" |       |
| <b>SSAT03</b><br>(SSA_03 - 1) | SSA_03 <= 5  | Rescale the answers from 1 to 5 to 0 to 4<br><br>Where 0 is "never" and 4 is "always" |       |
| <b>SSAT04</b><br>(SSA_04 - 1) | SSA_04 <= 5  | Rescale the answers from 1 to 5 to 0 to 4<br><br>Where 0 is "never" and 4 is "always" |       |
| <b>SSAT05</b><br>(SSA_05 - 1) | SSA_05 <= 5  | Rescale the answers from 1 to 5 to 0 to 4<br><br>Where 0 is "never" and 4 is "always" |       |
| <b>SSAT06</b><br>(SSA_06 - 1) | SSA_06 <= 5  | Rescale the answers from 1 to 5 to 0 to 4<br><br>Where 0 is "never" and 4 is "always" |       |
| <b>SSAT07</b><br>(SSA_07 - 1) | SSA_07 <= 5  | Rescale the answers from 1 to 5 to 0 to 4<br><br>Where 0 is "never" and 4 is "always" |       |
| <b>SSAT08</b><br>(SSA_08 - 1) | SSA_08 <= 5  | Rescale the answers from 1 to 5 to 0 to 4<br><br>Where 0 is "never" and 4 is "always" |       |
| <b>SSAT09</b><br>(SSA_09 - 1) | SSA_09 <= 5  | Rescale the answers from 1 to 5 to 0 to 4<br><br>Where 0 is "never" and 4 is "always" |       |
| <b>SSAT10</b><br>(SSA_10 - 1) | SSA_10 <= 5  | Rescale the answers from 1 to 5 to 0 to 4<br><br>Where 0 is "never" and 4 is "always" |       |
| <b>SSAT11</b><br>(SSA_11 - 1) | SSA_11 <= 5  | Rescale the answers from 1 to 5 to 0 to 4<br><br>Where 0 is "never" and 4 is "always" |       |
| <b>SSAT12</b><br>(SSA_12 - 1) | SSA_12 <= 5  | Rescale the answers from 1 to 5 to 0 to 4<br><br>Where 0 is "never" and 4 is "always" |       |
| <b>SSAT13</b>                 |              |   |       |

|               |             |   |
|---------------|-------------|---|
| (SSA_13 - 1)  | SSA_13 <= 5 | Rescale the answers from 1 to 5 to 0 to 4<br>Where 0 is "never" and 4 is "always" |
| <b>SSAT14</b> |             |   |
| (SSA_14 - 1)  | SSA_14 <= 5 | Rescale the answers from 1 to 5 to 0 to 4<br>Where 0 is "never" and 4 is "always" |
| <b>SSAT15</b> |             |   |
| (SSA_15 - 1)  | SSA_15 <= 5 | Rescale the answers from 1 to 5 to 0 to 4<br>Where 0 is "never" and 4 is "always" |
| <b>SSAT16</b> |             |   |
| (SSA_16 - 1)  | SSA_16 <= 5 | Rescale the answers from 1 to 5 to 0 to 4<br>Where 0 is "never" and 4 is "always" |
| <b>SSAT17</b> |             |   |
| (SSA_17 - 1)  | SSA_17 <= 5 | Rescale the answers from 1 to 5 to 0 to 4<br>Where 0 is "never" and 4 is "always" |
| <b>SSAT18</b> |             |   |
| (SSA_18 - 1)  | SSA_18 <= 5 | Rescale the answers from 1 to 5 to 0 to 4<br>Where 0 is "never" and 4 is "always" |
| <b>SSAT19</b> |             |   |
| (SSA_19 - 1)  | SSA_19 <= 5 | Rescale the answers from 1 to 5 to 0 to 4<br>Where 0 is "never" and 4 is "always" |
| <b>SSAT20</b> |             |   |
| (SSA_20 - 1)  | SSA_20 <= 5 | Rescale the answers from 1 to 5 to 0 to 4<br>Where 0 is "never" and 4 is "always" |

## 1 ) Tangible Social Support - MOS Subscale

|                       |   |
|-----------------------|---|
| <b>Variable name:</b> | SSADTNG   |
| <b>Based on:</b>      | SSA_02, SSA_05, SSA_12, SSA_15  |
| <b>Description:</b>   | This variable measures the level of tangible support that is available to the respondent. Questions about whether or not the respondent had someone to help if confined to bed, someone to take him/her to the doctor, someone to prepare meals or someone to do daily chores are included. |
| <b>Note:</b>          | Higher scores indicate higher levels of tangible support.   |

| Specifications                             |   |  |                   |
|--|---|--|-------------------|
| Value                                      | Condition(s)  | Description  | Notes             |
| 96   | DOSSA = 2   | Module not selected  | NA                |
| 99   | ADM_PRX = 1   | Module not asked - proxy interview   | NS                |
| 99   | (SSAT02 = DK, R, NS) or<br>(SSAT05 = DK, R, NS) or<br>(SSAT12 = DK, R, NS) or<br>(SSAT15 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                |
| SSAT02 +<br>SSAT05 +<br>SSAT12 +<br>SSAT15 | (0 <= SSAT02 <= 4) and<br>(0 <= SSAT05 <= 4) and<br>(0 <= SSAT12 <= 4) and<br>(0 <= SSAT15 <= 4)      | Score obtained on the tangible support subscale                                      | (min: 0; max: 16) |

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

## 2) Affection - MOS Subscale

**Variable name:** SSADAFF

**Based on:** SSA\_06, SSA\_10, SSA\_20

**Description:** This variable measures the level of affection the respondent received. Questions about whether or not the respondent has someone that shows him/her love, someone to hug or someone to love and someone to make him/her feel wanted are included.

**Note:** Higher scores indicate higher level of affection support.

| Specifications                 |  |  |                   |
|--------------------------------|--|--|-------------------|
| Value                          | Condition(s)   | Description  | Notes             |
| 96                             | DOSSA = 2  | Module not selected  | NA                |
| 99                             | ADM_PRX = 1  | Module not asked - proxy interview   | NS                |
| 99                             | (SSAT06 = DK, R, NS) or<br>(SSAT10 = DK, R, NS) or<br>(SSAT20 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                |
| SSAT06 +<br>SSAT10 +<br>SSAT20 | (0 <= SSAT06 <= 4) and<br>(0 <= SSAT10 <= 4) and<br>(0 <= SSAT20 <= 4)     | Score obtained on the affection support subscale                                     | (min: 0; max: 12) |

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

## 3) Positive Social Interaction - MOS Subscale

**Variable name:** SSADSOC

**Based on:** SSA\_07, SSA\_11, SSA\_14, SSA\_18

**Description:** This variable measures the level of positive social interaction the respondent is involved in. Questions about whether the respondent has someone to have a good time with, get together with for relaxation, do things with to get his/her mind off things, or someone to do something enjoyable with are included.

**Note:** Higher scores indicate higher level of positive social interaction.

| Specifications                             |   |  |                   |
|--|---|--|-------------------|
| Value                                      | Condition(s)  | Description  | Notes             |
| 96   | DOSSA = 2   | Module not selected  | NA                |
| 99   | ADM_PRX = 1   | Module not asked - proxy interview   | NS                |
| 99   | (SSAT07 = DK, R, NS) or<br>(SSAT11 = DK, R, NS) or<br>(SSAT14 = DK, R, NS) or<br>(SSAT18 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                |
| SSAT07 +<br>SSAT11 +<br>SSAT14 +<br>SSAT18 | (0 <= SSAT07 <= 4) and<br>(0 <= SSAT11 <= 4) and<br>(0 <= SSAT14 <= 4) and<br>(0 <= SSAT18 <= 4)      | Score obtained on the positive social interaction subscale                           | (min: 0; max: 16) |

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

#### 4) Emotional or Informational Support - MOS Subscale

**Variable name:** SSADEMO

**Based on:** SSA\_03, SSA\_04, SSA\_08, SSA\_09, SSA\_13, SSA\_16, SSA\_17, SSA\_19

**Description:** This variable measures the level of emotional or informational support received by the respondent. Questions about whether the respondent has someone to listen and to advise in a crisis, someone to give information and confide in and talk to, or someone to understand problems are included.

**Note:** Higher values indicate more emotional or informational support.

| Specifications   |   |  |                   |
|--|---|--|-------------------|
| Value  | Condition(s)  | Description  | Notes             |
| 96   | DOSSA = 2   | Module not selected  | NA                |
| 99   | ADM_PRX = 1   | Module not asked - proxy interview   | NS                |
| 99   | (SSAT03 = DK, R, NS) or<br>(SSAT04 = DK, R, NS) or<br>(SSAT08 = DK, R, NS) or<br>(SSAT09 = DK, R, NS) or<br>(SSAT13 = DK, R, NS) or<br>(SSAT16 = DK, R, NS) or<br>(SSAT17 = DK, R, NS) or<br>(SSAT19 = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS                |
| SSAT03 +<br>SSAT04 +<br>SSAT08 +<br>SSAT09 +<br>SSAT13 +<br>SSAT16 +<br>SSAT17 +<br>SSAT19 | (0 <= SSAT03 <= 4) and<br>(0 <= SSAT04 <= 4) and<br>(0 <= SSAT08 <= 4) and<br>(0 <= SSAT09 <= 4) and<br>(0 <= SSAT13 <= 4) and<br>(0 <= SSAT16 <= 4) and<br>(0 <= SSAT17 <= 4) and<br>(0 <= SSAT19 <= 4)          | Score obtained on the emotional / informal support subscale                          | (min: 0; max: 32) |

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

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



## Use of protective equipment (3 DVs)

### 1 ) Wears Protective Equipment when In-Line Skating

**Variable name:** UPEFILS

**Based on:** UPE\_02, UPE\_02A, UPE\_02B, UPE\_02C, UPE\_02D

**Description:** This variable indicates whether the respondent wears a helmet, wrist guards or elbow pads always or most of the time when in-line skating.

**Note:** Respondents that do not in-line skate were excluded from the population.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 6              | DOUPE = 2  | Module not selected  | NA    |
| 9              | ADM_PRX = 1  | Module not asked - proxy interview   | NS    |
| 6              | UPE_02 = 2   | Population exclusions  | NA    |
| 1              | (UPE_02A = 1, 2) and<br>(UPE_02B = 1, 2) and<br>(UPE_02C = 1, 2) and (UPE_02D = 1, 2)  | Wears a helmet, wrist guards, elbow pads and knee pads always or most of the time        |       |
| 2              | (UPE_02A = 3, 4) or<br>(UPE_02B = 3, 4) or<br>(UPE_02C = 3, 4) or<br>(UPE_02D = 3, 4)  | Does not wear a helmet, wrist guards, elbow pads or knee pads always or most of the time |       |
| 9              | (UPE_02A = DK, R, NS) or<br>(UPE_02B = DK, R, NS) or<br>(UPE_02C = DK, R, NS) or<br>(UPE_02D = DK, R, NS) or<br>(PAC_1I = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated)        | NS    |

### 2 ) Wears Protective Equipment when Skateboarding

**Variable name:** UPEFSKB

**Based on:** UPE\_06A, UPE\_06B, UPE\_06C

**Description:** This variable indicates whether respondents aged 12 to 19 years old wear a helmet, wrist guards or elbow pads always or most of the time when skateboarding.

**Note:** Respondents more than 19 years old and respondents that have not skateboarded in the past 12 months were excluded from the population.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)   | Description  | Notes |
| 6              | DOUPE = 2  | Module not selected  | NA    |
| 9              | ADM_PRX = 1 and 12 <= DHH_AGE <= 19                              | Module not asked - proxy interview                                     | NS    |
| 6              | DHH_AGE > 19 or UPE_06 = 2                                       | Population exclusions  | NA    |
| 1              | (UPE_06A = 1, 2) and<br>(UPE_06B = 1, 2) and<br>(UPE_06C = 1, 2) | Wears a helmet, wrist guards and elbow pads always or most of the time |       |

|   |   |  |    |
|---|---|--|----|
| 2 | (UPE_06A = 3, 4) or<br>(UPE_06B = 3, 4) or<br>(UPE_06C = 3, 4)                | Does not wear a helmet, wrist guards or elbow pads<br>always or most of the time     |    |
| 9 | (UPE_06A = DK, R, NS) or<br>(UPE_06B = DK, R, NS) or<br>(UPE_06C = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |

### 3) Wears Protective Equipment when Snowboarding

**Variable name:** UPEFSNB

**Based on:** UPE\_05A, UPE\_05B

**Description:** This variable indicates whether the respondent wears a helmet or wrist guards always or most of the time when snowboarding.

**Note:** Respondents that have not snowboarded in past 12 months were excluded from the population.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)                                      | Description  | Notes |
| 6              | DOUPE = 2   | Module not selected  | NA    |
| 9              | ADM_PRX = 1                                       | Module not asked - proxy interview   | NS    |
| 6              | (UPE_03A = 1) or<br>(UPE_03B = 1, 4)              | Population exclusions  | NA    |
| 1              | (UPE_05A = 1, 2) and<br>(UPE_05B = 1, 2)          | Wears a helmet and wrist guards always or most of<br>the time                        |       |
| 2              | (UPE_05A = 3, 4) or<br>(UPE_05B = 3, 4)           | Does not wear a helmet or wrist guards always or<br>most of the time                 |       |
| 9              | (UPE_05A = DK, R, NS) or<br>(UPE_05B = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |

## Waiting times (9 DVs)

### 1 ) Number of Waiting Days to See a Medical Specialist - Seen Specialist

**Variable name:** WTMDSO

**Based on:** WTM\_07A, WTM\_07B

**Description:** This variable indicates the number of days that passed between the moment the respondent and his or her doctor decided that the respondent should see a medical specialist and when the actual visit with the specialist took place.

**Note:** For this variable, the number of waiting days has only been considered for respondents 15 years and older who consulted a medical specialist due to a new health related problem during the past 12 months.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 9996           | DOWTM = 2   | Module not selected  | NA    |
| 9996           | DHH_AGE < 15 or<br>ACC_10 = 2 or<br>WTM_01 = 2 or<br>WTM_04 = 2 | Population exclusions  | NA    |
| 9999           | ADM_PRX = 1   | Module not asked - proxy interview                                   | NS    |
| 9999           | (WTM_07A = DK, R, NS)   | Required question was not answered (don't know, refusal, not stated) | NS    |
| WTM_07A        | WTM_07B = 1   | Number of waiting days   |       |
| WTM_07A * 7    | WTM_07B = 2   | Number of waiting days   |       |
| WTM_07A * 30   | WTM_07B = 3   | Number of waiting days   |       |

### 2 ) Number of Waiting Days to See a Medical Specialist - Not Seen Specialist

**Variable name:** WTMDSN

**Based on:** WTM\_08A, WTM\_08B

**Description:** This variable indicates the number of days that passed between the moment the respondent and his or her doctor decided the respondent should see a specialist and when the interview took place.

**Note:** For this variable, the number of waiting days has only been considered for respondents 15 years and older who were referred to a specialist due to a new health related problem during the past 12 months, but who did not see the specialist with whom they had an appointment.

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 9996           | DOWTM= 2  | Module not selected  | NA    |
| 9996           | DHH_AGE < 15 or<br>ACC_10 = 2 or<br>WTM_01 = 2 or<br>WTM_04 = 1 | Population exclusions  | NA    |
| 9999           | ADM_PRX = 1   | Module not asked - proxy interview                                   | NS    |
| 9999           | (WTM_08A = DK, R, NS)   | Required question was not answered (don't know, refusal, not stated) | NS    |
| WTM_08A        | WTM_08B = 1   | Number of waiting days   |       |

|              |             |                        |
|--------------|-------------|------------------------|
| WTM_08A * 7  | WTM_08B = 2 | Number of waiting days |
| WTM_08A * 30 | WTM_08B = 3 | Number of waiting days |

### 3 ) Number of Acceptable Waiting Days to See a Medical Specialist

|                       |   |
|-----------------------|---|
| <b>Variable name:</b> | WTMDSA  |
| <b>Based on:</b>      | WTM_07A, WTM_08A, WTM_10, WTM_11A, WTM_11B, WTMDSO, WTMDSN  |
| <b>Description:</b>   | This variable indicates the number of days, in the respondent's view, he or she can wait to see a medical specialist and still find it acceptable.  |
| <b>Note:</b>          | The number of acceptable waiting days has only been considered for respondents 15 years and older who were referred to a medical specialist due to a new health related problem during the past 12 months, whether or not they saw the specialist at the time of the interview. |

| Specifications |   |  |       |
|----------------|---|--|-------|
| Value          | Condition(s)  | Description  | Notes |
| 9996           | DOWTM= 2  | Module not selected  | NA    |
| 9996           | DHH_AGE < 15 or<br>ACC_10 = 2 or<br>WTM_01 = 2  | Population exclusions  | NA    |
| 9999           | ADM_PRX = 1   | Module not asked - proxy interview   | NS    |
| 9999           | ([WTM_07A = DK, R, NS] and<br>WTM_10 = 1) or<br>([WTM_08A = DK, R, NS] and<br>WTM_10 = 1) or<br>(WTM_11A = DK, R, NS) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS    |
| WTMDSO         | WTM_07A < 996 and<br>WTM_10 = 1   | Number of acceptable waiting days  |       |
| WTMDSN         | WTM_08A < 996 and<br>WTM_10 = 1   | Number of acceptable waiting days  |       |
| WTM_11A        | WTM_11B = 1   | Number of acceptable waiting days  |       |
| WTM_11A * 7    | WTM_11B = 2   | Number of acceptable waiting days  |       |
| WTM_11A * 30   | WTM_11B = 3   | Number of acceptable waiting days  |       |

### 4 ) Number of Waiting Days to Receive Non-Emergency Surgery - Surgery Done

|                       |  |
|-----------------------|--|
| <b>Variable name:</b> | WTMDCO   |
| <b>Based on:</b>      | WTM_21A, WTM_21B   |
| <b>Description:</b>   | This variable indicates the number of days that passed between the moment the respondent and his or her doctor decided the respondent should receive non-emergency surgery and when the surgery actually took place. |
| <b>Note:</b>          | For this variable, the number of waiting days was only considered for respondents 15 years and older who received non-emergency surgery during the past 12 months.   |

| Specifications |              |                     |       |
|----------------|--------------|---------------------|-------|
| Value          | Condition(s) | Description         | Notes |
| 9996           | DOWTM= 2     | Module not selected | NA    |

|              |  |  |    |
|--------------|--|--|----|
| 9996         | DHH_AGE < 15 or<br>ACC_20 = 2 or<br>WTM_17 = 2 | Population exclusions  | NA |
| 9999         | ADM_PRX = 1                                    | Module not asked - proxy interview                                   | NS |
| 9999         | (WTM_21A = DK, R, NS)                          | Required question was not answered (don't know, refusal, not stated) | NS |
| WTM_21A      | WTM_21B = 1                                    | Number of waiting days   |    |
| WTM_21A * 7  | WTM_21B = 2                                    | Number of waiting days   |    |
| WTM_21A * 30 | WTM_21B = 3                                    | Number of waiting days   |    |

## 5) Number of Waiting Days to Receive Non-Emergency Surgery - Surgery Not Done

**Variable name:** WTMDCN

**Based on:** WTM\_23A, WTM\_23B

**Description:** This variable indicates the number of days that passed between the moment the respondent and his or her doctor decided the respondent should receive non-emergency surgery and when the interview took place.

**Note:** For this variable, the number of waiting days was only considered for respondents 15 years and older who were referred for non-emergency surgery during the past 12 months, but who did not receive the needed surgery at the time of the interview.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)                                   | Description  | Notes |
| 9996           | DOWTM= 2                                       | Module not selected  | NA    |
| 9996           | DHH_AGE < 15 or<br>ACC_20 = 2 or<br>WTM_17 = 1 | Population exclusions  | NA    |
| 9999           | ADM_PRX = 1                                    | Module not asked - proxy interview                                   | NS    |
| 9999           | (WTM_23A = DK, R, NS)                          | Required question was not answered (don't know, refusal, not stated) | NS    |
| WTM_23A        | WTM_23B = 1                                    | Number of waiting days   |       |
| WTM_23A * 7    | WTM_23B = 2                                    | Number of waiting days   |       |
| WTM_23A * 30   | WTM_23B = 3                                    | Number of waiting days   |       |

## 6) Number of Acceptable Waiting Days to Receive Non-Emergency Surgery

**Variable name:** WTMDCA

**Based on:** WTM\_21A, WTM\_23A, WTM\_24, WTM\_25A, WTM\_25B, WTMDCO, WTMDCN

**Description:** This variable indicates the number of days, in the respondent's view, he or she can wait to receive a non-emergency surgery and still find it acceptable.

**Note:** The number of acceptable waiting days was only considered for respondents 15 years and older who were referred to receive non-emergency surgery during the past 12 months, whether the respondent received his surgery or not at the time of the interview.

| Specifications |              |                     |       |
|----------------|--------------|---------------------|-------|
| Value          | Condition(s) | Description         | Notes |
| 9996           | DOWTM= 2     | Module not selected | NA    |

|              |   |  |    |
|--------------|---|--|----|
| 9996         | DHH_AGE < 15 or<br>ACC_20 = 2   | Population exclusions  | NA |
| 9999         | ADM_PRX = 1   | Module not asked - proxy interview   | NS |
| 9999         | ([WTM_21A = DK, R, NS] and<br>WTM_24 = 1) or<br>([WTM_23A = DK, R, NS] and<br>WTM_24 = 1) or<br>(WTM_25A = DK, R, NS) or (WTM_25A < 996 and<br>WTM_25B = 9) | At least one required question was not answered<br>(don't know, refusal, not stated) | NS |
| WTMDCO       | WTM_21A < 996 and<br>WTM_24 = 1   | Number of acceptable waiting days  |    |
| WTMDCN       | WTM_23A < 996 and<br>WTM_24 = 1   | Number of acceptable waiting days  |    |
| WTM_25A      | WTM_25B = 1   | Number of acceptable waiting days  |    |
| WTM_25A * 7  | WTM_25B = 2   | Number of acceptable waiting days  |    |
| WTM_25A * 30 | WTM_25B = 3   | Number of acceptable waiting days  |    |

## 7) Number of Waiting Days for Diagnostic Test - Test Done

**Variable name:** WTMDTO

**Based on:** WTM\_38A, WTM\_38B

**Description:** This variable indicates the number of days that passed between the moment the respondent and his or her doctor decided the respondent should receive a magnetic resonance imaging test (MRI), a Computed Tomography exam (CT-SCAN) or a non-emergency angiography (heart test) and when the test was actually received.

**Note:** For this variable, the number of waiting days was only considered for respondents of 15 years and older who received a MRI or a CT-SCAN exam, or a non-emergency heart test during the past 12 months.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)                                   | Description  | Notes |
| 9996           | DOWTM= 2                                       | Module not selected  | NA    |
| 9996           | DHH_AGE < 15 or<br>ACC_30 = 2 or<br>WTM_32 = 2 | Population exclusions  | NA    |
| 9999           | ADM_PRX = 1                                    | Module not asked - proxy interview                                   | NS    |
| 9999           | (WTM_38A = DK, R, NS)                          | Required question was not answered (don't know, refusal, not stated) | NS    |
| WTM_38A        | WTM_38B = 1                                    | Number of waiting days   |       |
| WTM_38A * 7    | WTM_38B = 2                                    | Number of waiting days   |       |
| WTM_38A * 30   | WTM_38B = 3                                    | Number of waiting days   |       |

## 8) Number of Waiting Days for Diagnostic Test - Test Not Done

**Variable name:** WTMDTN

**Based on:** WTM\_39A, WTM\_39B

**Description:** This variable indicates the number of days that passed between the moment the respondent and his or her doctor decided the respondent should receive a magnetic resonance imaging test (MRI), a Computed Tomography exam (CT-SCAN) or a non-

emergency angiography (heart test) and when the interview took place.

**Note:** For this variable, the number of waiting days was only considered for respondents 15 years and older who were referred to receive a MRI or a CT-SCAN exam, or a non-emergency heart test during the past 12 months, but who had not received the test at the time of the interview.

| Specifications |  |  |       |
|----------------|--|--|-------|
| Value          | Condition(s)                                   | Description  | Notes |
| 9996           | DOWTM = 2                                      | Module not selected  | NA    |
| 9996           | DHH_AGE < 15 or<br>ACC_30 = 2 or<br>WTM_32 = 1 | Population exclusions  | NA    |
| 9999           | ADM_PRX = 1                                    | Module not asked - proxy interview                                   | NS    |
| 9999           | (WTM_39A = DK, R, NS)                          | Required question was not answered (don't know, refusal, not stated) | NS    |
| WTM_39A        | WTM_39B = 1                                    | Number of waiting days   |       |
| WTM_39A * 7    | WTM_39B = 2                                    | Number of waiting days   |       |
| WTM_39A * 30   | WTM_39B = 3                                    | Number of waiting days   |       |

## 9) Number of Acceptable Waiting Days for Diagnostic Test

**Variable name:** WTMDTA

**Based on:** WTM\_38A, WTM\_39A, WTM\_40, WTM\_41A, WTM\_41B, WTMDTO, WTMDTN

**Description:** This variable indicates the number of days, in the respondent's view, he or she can wait to receive a magnetic resonance imaging test (MRI), a Computed Tomography exam (CT-SCAN) or a non-emergency angiography (heart test) and still find it acceptable.

**Note:** The number of acceptable waiting days was only considered for respondents 15 years and older who were referred to pass a MRI or a CT-SCAN exam, or a non-emergency heart test during the past 12 months, whether the respondent received the test or not at the time of the interview.

| Specifications |   |   |       |
|----------------|---|---|-------|
| Value          | Condition(s)  | Description   | Notes |
| 9996           | DOWTM= 2  | Module not selected   | NA    |
| 9996           | DHH_AGE < 15 or<br>ACC_30 = 2   | Population exclusions   | NA    |
| 9999           | ADM_PRX = 1   | Module not asked - proxy interview  | NS    |
| 9999           | ([WTM_38A = DK, R, NS] and<br>WTM_40 = 1) or<br>([WTM_39A = DK, R, NS] and<br>WTM_40 = 1) or<br>(WTM_41A = DK, R, NS) | At least one required question was not answered (don't know, refusal, not stated) | NS    |
| WTMDTO         | WTM_38A < 996 and<br>WTM_40 = 1   | Number of acceptable waiting days   |       |
| WTMDTN         | WTM_39A < 996 and<br>WTM_40 = 1   | Number of acceptable waiting days   |       |
| WTM_41A        | WTM_41B = 1   | Number of acceptable waiting days   |       |
| WTM_41A * 7    | WTM_41B = 2   | Number of acceptable waiting days   |       |
| WTM_41A * 30   | WTM_41B = 3   | Number of acceptable waiting days   |       |

