

# Canadian Community Health Survey (CCHS)

Annual Component - Public Use Microdata File, 2012

Derived Variable (DV) Specifications



Statistics  
Canada

Statistique  
Canada

Canada

# Table of Contents

<b>ADL</b>	<b>Activities of Daily Living (1 DV)</b>	
	1) ADLF6R - Need for help with instrumental activities of daily living	1
<b>ALC</b>	<b>Alcohol use (1 DV)</b>	
	1) ALCDTTM - Type of Drinker (12 Months)	2
<b>ALW</b>	<b>Alcohol use during the past week (2 DVs)</b>	
	1) ALWDWKY - Weekly Consumption	3
	2) ALWDLLY - Average Daily Alcohol Consumption	3
<b>CCC</b>	<b>Chronic conditions (2 DVs)</b>	
	1) CCCG102 - Diabetes - age first diagnosed - (G)	5
	2) CCCDDIA - Diabetes type	5
<b>CHP</b>	<b>Contacts with health professionals (10 DVs)</b>	
	1) CHPG02 - Number of nights as patient -(G)	7
	2) CHPG04 - Number of consultations - fam. doctor/gen. practitioner -(G)	7
	3) CHPG05 - Location of most recent contact - family doctor - (G)	7
	4) CHPG07 - Number of consultations - eye specialist - (G)	8
	5) CHPG09 - Number of consultations - other medical doctor - (G)	8
	6) CHPG10 - Location of most recent contact - other medical doctor - (G)	9
	7) CHPG12 - Number of consultations - nurse - (G)	9
	8) CHPG13 - Location of most recent contact - nurse - (G)	10
	9) CHPG15 - Number of consultations - dentist or orthodontist - (G)	10
	10) CHPGMDC - Number of Consultations with Medical Doctor/Paediatrician - Grouped	11
<b>DHH</b>	<b>Dwelling and household variables (7 DVs)</b>	
	1) DHHGAGE - Age - Grouped	12
	2) DHHGMS - Marital status - Grouped	12
	3) DHHGLE5 - Number of Persons in Household With Less Than 6 Years of Age - Grouped	13
	4) DHHG611 - Number of Persons in Household between 6 to 11 Years of Age - Grouped	13
	5) DHHGL12 - Number of Persons in Household With Less Than 12 Years of Age - Grouped	14
	6) DHHGLVG - Living/Family Arrangement of Selected Respondent - Grouped	14
	7) DHHGHSZ - Household size - Grouped	15
<b>DIS</b>	<b>Distress (3 DVs)</b>	
	1) DISDK6 - Distress Scale - K6	18

	2) DISDCHR - Chronicity of Distress and Impairment Scale	18
	3) DISDDSX - Distress Scale - K10	19
<b>DPS</b>	<b>Depression (4 DVs)</b>	
	1) DPSSDF - Derived Depression Scale - Short Form Score	22
	2) DPSPDP - Depression Scale - Probability of Caseness to Respondents	23
	3) DPSSDWK - Number of Weeks Feeling Depressed - 12-Months	23
	4) DPSSDMT - Specific Month Last Felt Depressed	24
<b>DRV</b>	<b>Driving and safety (1 DV)</b>	
	1) DRVFSBU - Passenger Seat Belt Use (Motor Vehicle)	25
<b>EDU</b>	<b>Education (3 DVs)</b>	
	1) SDCG9 - Full-time student or part-time student - (Grouped)	26
	2) EDUDH04 - Highest Level of Education - Household, 4 Levels	26
	3) EDUDR04 - Highest Level of Education - Respondent, 4 Levels	26
<b>ETS</b>	<b>Exposure to second-hand smoke (1 DV)</b>	
	1) ETSG11 - Number of people who smoke inside home - (G)	28
<b>FDC</b>	<b>Food choices (3 DVs)</b>	
	1) FDCFAVD - Avoids Certain Foods for Certain Content Reasons	29
	2) FDCFAH - Chooses or Avoids Certain Foods Because of Certain Health Concerns	29
	3) FDCFCO - Chooses Certain Foods for Certain Content Reasons	30
<b>FSC</b>	<b>Food security (3 DVs)</b>	
	1) FSCDHFS2 - Household Food Security Status - Modified version	34
	2) FSCDAFS2 - Food Security - Adult Status	35
	3) FSCDCFS2 - Food Security - Child Status	36
<b>FVC</b>	<b>Fruit and vegetable consumption (8 DVs)</b>	
	1) FVCDJUI - Daily Consumption - Fruit Juice	38
	2) FVCDFRU - Daily Consumption - Other Fruit	38
	3) FVCDLAL - Daily Consumption - Green Salad	39
	4) FVCDPOT - Daily Consumption - Potatoes	39
	5) FVCDCAR - Daily Consumption - Carrots	40
	6) FVCDVEG - Daily Consumption - Other Vegetables	40
	7) FVCDTOT - Daily Consumption - Total Fruit and Vegetable	41
	8) FVCGTOT - Grouping of Daily Consumption - Total Fruit and Vegetable	41

<b>GEN</b>	<b>General health (3 DVs)</b>	
	1) GENDHDI - Perceived Health	43
	2) GENDMHI - Perceived Mental Health	43
	3) GENGSWL - Satisfaction with life in general - (G)	43
<b>GEO</b>	<b>Geography variables (3 DVs)</b>	
	1) GEOGPRV - Province of residence of respondent - (G)	45
	2) GEODPMF - Health region - Grouped	45
	3) GEODBCHA - Health Authority - British Columbia	46
<b>HUI</b>	<b>Health utilities index (8 DVs)</b>	
	1) HUIGVIS - Vision Health Status - Grouped	47
	2) HUIGHER - Hearing Health Status - Grouped	48
	3) HUIGSPE - Speech Health Status - Grouped	49
	4) HUIGMOB - Ambulation Health Status - Grouped	50
	5) HUIGDEX - Dexterity Health Status - Grouped	51
	6) HUIDEMO - Emotion Health Status	52
	7) HUIDCOG - Cognition Health Status	53
	8) HUIDHSI - Health Utilities Index	54
<b>HUP</b>	<b>Health utilities index - Pain and discomfort (1 DV)</b>	
	1) HUPDPAD - Pain Health Status	55
<b>HWT</b>	<b>Height and weight - Self-reported (5 DVs)</b>	
	1) HWTGHTM - Height (Metres) - Self-Reported - Grouped	56
	2) HWTGWTK - Weight (kilograms - grouped)	58
	3) HWTGBMI - Body mass index - grouped	59
	4) HWTGISW - BMI classification for adults aged 18 and over (self reported) - international standard - grouped	59
	5) HWTDCOL - BMI classification for children aged 12 to 17 (self-reported) - Cole classification system	60
<b>IDG</b>	<b>Illicit drug use (9 DVs)</b>	
	1) IDGFLCA - Cannabis Drug Use - Lifetime (Including "One Time Only" Use)	65
	2) IDGFLCM - Cannabis Drug Use - Lifetime (Excluding "One Time Only" Use)	65
	3) IDGFYCM - Cannabis Drug Use - 12 month (Excluding "One Time Only" Use)	65
	4) IDGFLA - Any Illicit Drug Use - Lifetime (Including "One Time Only" Use of Cannabis)	66
	5) IDGFLAC - Any Illicit Drug Use - Lifetime (Excluding "One Time Only" Use of Cannabis)	67
	6) IDGFYA - Any Illicit Drug Use - 12-Month (Including "One Time Only" Use of Cannabis)	67
	7) IDGFYAC - Any Illicit Drug Use - 12-Month (Excluding "One Time Only" Use of Cannabis)	68

	8) IDGDINT - Illicit Drug Interference 12-Month - Mean	69
	9) IDGFINT - Flag for Illicit Drug Interference - 12-Month	69
<b>INC</b>	<b>Income (7 DVs)</b>	
	1) INCG2 - Total household income - main source - Grouped	73
	2) INCG7 - Main source of personal income - Grouped	74
	3) INCGHH - Total Household Income - All Sources - Grouped	74
	4) INCGPER - Personal Income - All Sources - Grouped	75
	5) INCDRCA - Distribution of household income - National level	75
	6) INCDRPR - Distribution of household income - Provincial level	76
	7) INCDRRS - Distribution of household income - Health region level	77
<b>INJ</b>	<b>Injuries (11 DVs)</b>	
	1) INJG02 - Number of injuries in past 12 months	78
	2) INJG05 - Most Serious Injury	78
	3) INJG06 - Most Serious Injury - body part affected - Grouped	79
	4) INJG08 - Most Serious Injury - Place of occurrence - Grouped	79
	5) INJG092 - Most Serious Injury - Activity when injured - Grouped	80
	6) INJG11A - Most Serious Injury - How fell - Grouped	80
	7) INJG14C - Most Serious Injury - Treated in clinic - Grouped	81
	8) INJG14J2 - Most Serious Injury - Other method of treatment - Grouped	81
	9) INJG17 - Other injuries - number (G)	82
	10) INJGCAU - Cause of Injury - Grouped	82
	11) INJDSTT - Injury Status	83
<b>INW</b>	<b>Workplace injury (1 DV)</b>	
	1) INWGSOC - Occupation group (SOC) where injury occurred - (G)	84
<b>LBS</b>	<b>Labour force (5 DVs)</b>	
	1) LBSG31 - Employment status - 12 months - (G)	85
	2) LBSGHPW - Total usual hours worked - current jobs - (D, G)	85
	3) LBSDPFT - Full-time/part-time working status (for total usual hours)	85
	4) LBSDWSS - Working status last week	86
	5) LBSGSOC - Occupation group - (G)	86
<b>LOP</b>	<b>Loss of productivity (10 DVs)</b>	
	1) LOPG020 - Reason for not working - (G)	88
	2) LOPG040 - Number of work days lost due to chronic condition - (G)	88
	3) LOPG050 - Chronic condition - (G)	89

	4) LOPG070 - Number of work days missed due to injury - (G)	89
	5) LOPG082 - Number of work days missed due to cold - (G)	90
	6) LOPG083 - Number of work days missed due to flu or influenza - (G)	90
	7) LOPG084 - Number of work days missed due to stomach flu - (G)	90
	8) LOPG085 - No. of work days missed due to respiratory infection - (G)	91
	9) LOPG086 - No. of work days missed due to other infect. disease - (G)	91
	10) LOPG100 - Work days missed related to physical or mental hlth - (G)	91
<b>MAS</b>	<b>Mastery (1 DV)</b>	
	1) MASDM1 - Derived Mastery Scale	93
<b>MEX</b>	<b>Maternal experiences - Breastfeeding (3 DVs)</b>	
	1) MEXDEBF2 - Length of exclusive breastfeeding	95
	2) MEXFEB6 - Exclusively Breastfed for 6 months (or more)	97
<b>MXS</b>	<b>Maternal experiences - Smoking during pregnancy (4 DVs)</b>	
	1) MXSG02 - No. of cigarettes daily - last pregnancy (daily smoker)	99
	2) MXSG03 - No. of cigarettes daily - last pregnancy (occasional smoker)	99
	3) MXSG05 - No. of cigarettes daily - while breastfeeding (daily smoker)	100
	4) MXSG06 - No. of cigarettes daily - while breastfeeding (occasional smoker)	100
<b>OH2</b>	<b>Oral health 2 (2 DVs)</b>	
	1) OH2FLIM - Social Limitation Due to Oral Health Status	102
	2) OH2FOFP - Oral and Facial Pain and Discomfort	102
<b>PAC</b>	<b>Physical activities (9 DVs)</b>	
	1) PACDEE - Daily Energy Expenditure in Leisure Time Physical Activities	104
	2) PACFLEI - Participant In Leisure Time Physical Activity	111
	3) PACDFM - Average Monthly Frequency of Leisure Time Physical Activity Lasting Over 15 Minutes	112
	4) PACDFR - Frequency of All Leisure Time Physical Activity Lasting Over 15 Minutes	115
	5) PACFD - Participant In Daily Leisure Time Physical Activity Lasting Over 15 Minutes	115
	6) PACDPAI - Leisure Time Physical Activity Index	116
	7) PACDLTI - Transportation and Leisure Time Physical Activity Index	116
	8) PACDTLE - Daily Energy Expenditure in Transportation and Leisure Time Physical Activities	117
	9) PACFLTl - Participant In Transportation or Leisure Time Physical Activity	118
<b>PMH</b>	<b>Positive Mental Health (2 DVs)</b>	
	1) PMHDCLA - Positive Mental Health Classification	120
	2) PMHDSCR - Positive Mental Health Continuous Score	121

<b>RAC</b>	<b>Restriction of activities (3 DVs)</b>	
	1) RACG5 - Cause of health problem	123
	2) RACDIMP - Impact of Health Problems	123
	3) RACDPAL - Participation and Activity Limitation	124
<b>REP</b>	<b>Repetitive strain injuries (1 DV)</b>	
	1) REPG3 - Repetitive strain injury	125
<b>SAC</b>	<b>Sedentary activities (6 DVs)</b>	
	1) SACG1 - Number of hours - on a computer - past 3 mo - (G)	126
	2) SACG2 - Number of hours - playing video games - past 3 mo - (G)	126
	3) SACG3 - Number of hours - watching tv/videos - past 3 mo - (G)	127
	4) SACG4 - Number of hours - reading - past 3 mo - (G)	127
	5) SACDTOT - Total Number of Hours Per Week Spent In Sedentary Activities	128
	6) SACDTER - Total number of hours per week spent in sedentary activities (excluding reading)	129
<b>SCA</b>	<b>Smoking cessation methods (1 DV)</b>	
	1) SCADQUI - Attempted/Successful Quitting	131
<b>SCH</b>	<b>Smoking - Stages of change (1 DV)</b>	
	1) SCHDSTG - Smoking Stages of Change (Current and Former Smokers)	132
<b>SCP</b>	<b>Physical activity - Stages of change (1 DV)</b>	
	1) SCPDSTG - Stages of changes - physical activity	134
<b>SDC</b>	<b>Socio-demographic characteristics (5 DVs)</b>	
	1) SDCDFOLS - First Official Language Spoken	135
	2) SDCGLHM - Language(s) spoken at home - (D, G) - Grouped	137
	3) SDCFIMM - Immigration flag	138
	4) SDCGRES - Length of time in Canada since immigration - Grouped	138
	5) SDCGCGT - Culture / Race Flag - Grouped	139
<b>SFE</b>	<b>Self-esteem (1 DV)</b>	
	1) SFEDE1 - Derived Self-Esteem Scale	140
<b>SLP</b>	<b>Sleep (1 DV)</b>	
	1) SLPG01 - Number of hours spent sleeping per night - (G)	142
<b>SMK</b>	<b>Smoking (3 DVs)</b>	
	1) SMKDSTY - Type of Smoker	143

	2) SMKGSTP - Number of Years Since Stopping Smoking Completely - Grouped	143
	3) SMKDYCS - Number of Years Smoked Daily (Current Daily Smokers Only)	144
<b>SPR</b>	<b>Spirituality (1 DV)</b>	
	1) SPVGRL - Grouped Religion	145
<b>SPS</b>	<b>Social Provisions Scale 10 Items (6 DVs)</b>	
	1) SPSDCON - Social Provisions Overall Scale	146
	2) SPSDATT - Social Provisions Scale - Attachment	147
	3) SPSDGUI - Social Provisions Scale - Guidance	147
	4) SPSDALL - Social Provisions Scale - Reliable Alliance	148
	5) SPSDINT - Social Provisions Scale - Social Integration	148
	6) SPSDWOR - Social Provisions Scale - Reassurance of Worth	148
<b>SSA</b>	<b>Social support - Availability (4 DVs)</b>	
	1) SSADTNG - Tangible Social Support - MOS Subscale	152
	2) SSADAFF - Affection - MOS Subscale	152
	3) SSADSOC - Positive Social Interaction - MOS Subscale	153
	4) SSADEMO - Emotional or Informational Support - MOS Subscale	153
<b>UPE</b>	<b>Use of protective equipment (3 DVs)</b>	
	1) UPEFILS - Wears Protective Equipment when In-Line Skating	155
	2) UPEFSKB - Wears Protective Equipment when Skateboarding	155
	3) UPEFSNB - Wears Protective Equipment when Snowboarding	156
<b>WTM</b>	<b>Waiting times (9 DVs)</b>	
	1) WTMDSO - Number of Waiting Days to See a Medical Specialist - Seen Specialist	157
	2) WTMDSN - Number of Waiting Days to See a Medical Specialist - Not Seen Specialist	157
	3) WTMDSA - Number of Acceptable Waiting Days to See a Medical Specialist	158
	4) WTMDCO - Number of Waiting Days to Receive Non-Emergency Surgery - Surgery Done	158
	5) WTMDCN - Number of Waiting Days to Receive Non-Emergency Surgery - Surgery Not Done	159
	6) WTMDCA - Number of Acceptable Waiting Days to Receive Non-Emergency Surgery	159
	7) WTMDTO - Number of Waiting Days for Diagnostic Test - Test Done	160
	8) WTMDTN - Number of Waiting Days for Diagnostic Test - Test Not Done	160
	9) WTMDTA - Number of Acceptable Waiting Days for Diagnostic Test	161
<b>YSM</b>	<b>Smoking - Youth smoking (1 DV)</b>	
	1) YSMG1 - Source of cigarettes - (G)	163



## 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).

RACFUR is 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
6	DoADL = 2	Module wasn't selected or Population exclusions	NA
1	ADL_01 = 1 or ADL_02 = 1 or ADL_03 = 1 or ADL_04 = 1 or ADL_05 = 1 or ADL_06 = 1	Needs help with at least one task	
2	ADL_01 = 2 and ADL_02 = 2 and ADL_03 = 2 and ADL_04 = 2 and ADL_05 = 2 and ADL_06 = 2	Does not need help	
9	(ADL_01 = DK, R, NS) or (ADL_02 = DK, R, NS) or (ADL_03 = DK, R, NS) or (ADL_04 = DK, R, NS) or (ADL_05 = DK, R, NS) or (ADL_06 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS

## Alcohol use (1 DV)

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

**Variable name:** ALCDDTM

**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. ALCDDTM 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 in (7,8,9)) or (ALC_2 in (7,8,9))	At least one required question was not answered (don't know, refusal, not stated)	NS
1	(2 <= ALC_2 < 6)	Regular drinker	
2	ALC_2 = 1	Occasional drinker	
3	ALC_1 = 2	Did not drink in the last 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	DOALW = 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 (ALW_2A1 = DK, R, NS) or (ALW_2A2 = DK, R, NS) or (ALW_2A3 = DK, R, NS) or (ALW_2A4 = DK, R, NS) or (ALW_2A5 = DK, R, NS) or (ALW_2A6 = DK, R, NS) or (ALW_2A7 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
ALW_2A1 + ALW_2A2 + ALW_2A3 + ALW_2A4 + ALW_2A5 + ALW_2A6 + ALW_2A7	(0 <= ALW_2A1 < 100) and (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:** ALWDDLJ

**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 ALCnDDLJ. 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	DOALW = 2	Module not selected	NA
996	ALWDWKY = NA	Population exclusions	NA
999	ALWDWKY = NS	At least one required question was not answered (don't know, refusal, not stated)	NS

ALWDWKY / 7	ALWDWKY < 694	Average daily alcohol consumption	(Rounded to integer) (min: 0; max: 99)
-------------	---------------	-----------------------------------	---

---

## Chronic conditions (2 DVs)

### 1 ) Diabetes - age first diagnosed - (G)

**Variable name:** CCCG102

**Based on:** CCC\_Q102

**Description:** The respondent's age when first diagnosed with diabetes.

Specifications			
Value	Condition(s)	Description	Notes
96	CCC_Q102 = 96	Population exclusions	NA
99	CCC_Q102 = 99	At least one required question was not answered (don't know, refusal, not stated)	NS
1	CCC_Q102=<11	The respondent's age when first diagnosed with diabetes.	
2	12=<CCC_Q102=<17	The respondent's age when first diagnosed with diabetes.	
3	18=<CCC_Q102=<24	The respondent's age when first diagnosed with diabetes.	
4	25=<CCC_Q102=<29	The respondent's age when first diagnosed with diabetes.	
5	30=<CCC_Q102=<34	The respondent's age when first diagnosed with diabetes.	
6	35=<CCC_Q102=<39	The respondent's age when first diagnosed with diabetes.	
7	40=<CCC_Q102=<44	The respondent's age when first diagnosed with diabetes.	
8	45=<CCC_Q102=<49	The respondent's age when first diagnosed with diabetes.	
9	50=<CCC_Q102=<54	The respondent's age when first diagnosed with diabetes.	
10	55=<CCC_Q102=<59	The respondent's age when first diagnosed with diabetes.	
11	60=<CCC_Q102=<64	The respondent's age when first diagnosed with diabetes.	
12	65=<CCC_Q102=<69	The respondent's age when first diagnosed with diabetes.	
13	70=<CCC_Q102=<74	The respondent's age when first diagnosed with diabetes.	
14	75=<CCC_Q102=<79	The respondent's age when first diagnosed with diabetes.	
15	80=<CCC_Q102	The respondent's age when first diagnosed with diabetes.	

### 2 ) 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 in (7,8,9)) or (CCC_10B in (7,8,9)) or (CCC_10C in (97,98,99)) or (CCC_101 in (7,8,9)) or (CCC_102 in (997,998,999)) or (CCC_105 in (7,8,9)) or (CCC_106 in (7,8,9))	At least one required question was not answered (don't know, refusal, not stated)	NS
1	((DHH_SEX = 1) and (CCC_101 = 1) and (CCC_105 = 1) and (CCC_106 = 2) and ((CCC_10C <=3) and ((DHH_AGE < 30) or (CCC_102 < 30)))) or ((DHH_sex = 2) and (CCC_101 = 1) and (CCC_10B in (1,6)) and (CCC_105 = 1) and (CCC_106 = 2) and ((CCC_10C <=3) and ((DHH_AGE < 30) or (CCC_102 < 30))))	Type 1 diabetes	
2	CCC_101 = 1 and ((CCC_102 >=30) or ((CCC_102 <30) and (CCC_106 =1) and (CCC_10C >3)) or ((CCC_102 < 30) and (CCC_106=1) and (CCC_105 =1) and (CCC_10C < 3))	Type 2 diabetes	
3	CCC_101 = 1 and DHH_SEX = 2 and CCC_10A = 1 and CCC_10B = 2	Gestational diabetes	
4	Else	Unable to classify	

## Contacts with health professionals (10 DVs)

### 1 ) Number of nights as patient -(G)

**Variable name:** CHPG02

**Based on:** CHP\_02

**Description:** The number of nights as patient.

**Note:** In processing, if a respondent answered CHP\_01 = 2 (no), the variable CHP\_02 is given the value of 0. The "not stated" category includes respondents who reported in CHP module not having been a patient overnight in a hospital, nursing home or convalescent home in the past 12 months and who reported in INJ having been admitted to a hospital for one night following the injury that occurred in the past 12 months. // Prior to 2009, CHPG02 was called HCUG01A 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 CHPG02 were moved into a new module called Contacts with Health Professionals (CHP)

#### Specifications

Value	Condition(s)	Description	Notes
CHP_02	CHP_02 >= 1 and CHP_02 <= 30	CHP_02	
31	CHP_02 > 30	31 or more	

### 2 ) Number of consultations - fam. doctor/gen. practitioner -(G)

**Variable name:** CHPG04

**Based on:** CHP\_04

**Description:** This variable indicates the number of consultations with a family doctor/general practitioner in the past 12 months.

**Note:** For respondents aged less than 18, includes consultations with pediatricians.

#### Specifications

Value	Condition(s)	Description	Notes
99	CHP_04 = DK, R, NS	At least one required question was not answered (don't know, refusal, not stated)	NS
CHP_04	CHP_04	Number of consultations with a family doctor/general practitioner	
31	31=<CHP_04	Number of consultations with a family doctor/general practitioner	

### 3 ) Location of most recent contact - family doctor - (G)

**Variable name:** CHPG05

**Based on:** CHP\_05

**Description:** This variable groups the location of the respondent's most recent contact with a family doctor.

#### Specifications

Value	Condition(s)	Description	Notes
96	CHP_05 = 96	Population exclusions	NA
<b>November 2013</b>			

99	CHP_05 = 99	At least one required question was not answered (don't know, refusal, not stated)	NS
1	CHP_05 = 1	The most recent contact with a family doctor took place at the doctor's office.	
2	CHP_05 = 2	The most recent contact with a family doctor took place at a hospital emergency room.	
3	CHP_05 = 3	The most recent contact with a family doctor took place at a hospital outpatient clinic.	
4	CHP_05 = 4	The most recent contact with a family doctor took place at a walk-in clinic.	
5	CHP_05 = 5	The most recent contact with a family doctor took place at an appointment clinic.	
6	CHP_05 = 6	The most recent contact with a family doctor took place at a community health centre/CLSC.	
7	CHP_05 = 7, 8, ou 11	The most recent contact with a family doctor took place at work/at school/other.	
8	CHP_05 = 9	The most recent contact with a family doctor took place at home.	
9	CHP_05 = 10	The most recent contact with a family doctor took place as a telephone consultation only.	

#### 4 ) Number of consultations - eye specialist - (G)

**Variable name:** CHPG07

**Based on:** CHP\_07

**Description:** This variable indicates the number of consultations with an eye specialist in the past 12 months.

Specifications			
Value	Condition(s)	Description	Notes
99	CHP_07 = DK, R, NS	At least one required question was not answered (don't know, refusal, not stated)	NS
CHP_07	CHP_07	Number of consultations with an eye specialist	
12	12=<CHP_07	Number of consultations with an eye specialist	

#### 5 ) Number of consultations - other medical doctor - (G)

**Variable name:** CHPG09

**Based on:** CHP\_09

**Description:** This variable indicates the number of consultations with any other medical doctor (such as surgeon, allergist, orthopedist, gynaecologist, or psychiatrist) in the past 12 months.

Specifications			
Value	Condition(s)	Description	Notes
99	CHP_09 = DK, R, NS	At least one required question was not answered (don't know, refusal, not stated)	NS



CHP_09	CHP_09	Number of consultations with any other medical doctor (such as surgeon, allergist, orthopedist, gynaecologist, or psychiatrist)
12	12=<CHP_09	Number of consultations with any other medical doctor (such as surgeon, allergist, orthopedist, gynaecologist, or psychiatrist)

## 6 ) Location of most recent contact - other medical doctor - (G)

**Variable name:** CHPG10

**Based on:** CHP\_10

**Description:** This variable groups the location of the respondent's most recent contact with - other medical doctor.

Specifications			
Value	Condition(s)	Description	Notes
96	CHP_10 = 96	Population exclusions	NA
99	CHP_10 = 99	At least one required question was not answered (don't know, refusal, not stated)	NS
1	CHP_10 = 1	The most recent contact with the other medical doctor took place at the doctor's office.	
2	CHP_10 = 2	The most recent contact with the other medical doctor took place at a hospital emergency room.	
3	CHP_10 = 3	The most recent contact with the other medical doctor took place at a hospital outpatient clinic.	
4	CHP_10 = 4	The most recent contact with the other medical doctor took place at a walk-in clinic.	
5	CHP_10 = 5	The most recent contact with the other medical doctor took place at an appointment clinic.	
6	CHP_10 = 6	The most recent contact with the other medical doctor took place at a community health centre/CLSC.	
7	CHP_10 = 7, 8, ou 11	The most recent contact with the other medical doctor took place at work/at school/other.	
8	CHP_10 = 9	The most recent contact with the other medical doctor took place at home.	
9	CHP_10 = 10	The most recent contact with the other medical doctor took place as a telephone consultation only.	

## 7 ) Number of consultations - nurse - (G)

**Variable name:** CHPG12

**Based on:** CHP\_12

**Description:** This variable indicates the number of consultations with a nurse in the past 12 months.

Specifications			
Value	Condition(s)	Description	Notes
99	CHP_12 = DK, R, NS	At least one required question was not answered	NS

(don't know, refusal, not stated)

CHP_12	CHP_12	Number of consultations with a nurse
12	12=<CHP_12	Number of consultations with a nurse

## 8 ) Location of most recent contact - nurse - (G)

**Variable name:** CHPG13

**Based on:** CHP\_13

**Description:** This variable groups the location of the respondent's most recent contact with a nurse.

Specifications			
Value	Condition(s)	Description	Notes
96	CHP_13 = 96	Population exclusions	NA
99	CHP_13 = 99	At least one required question was not answered (don't know, refusal, not stated)	NS
1	CHP_13 = 1	The most recent contact with a nurse took place at the doctor's office.	
2	CHP_13 = 2	The most recent contact with a nurse took place at a hospital emergency room.	
3	CHP_13 = 3	The most recent contact with a nurse took place at a hospital outpatient clinic.	
4	CHP_13 = 4	The most recent contact with a nurse took place at a walk-in clinic.	
5	CHP_13 = 5	The most recent contact with a nurse took place at an appointment clinic.	
6	CHP_13 = 6	The most recent contact with a nurse took place at a community health centre/CLSC.	
7	CHP_13 = 7, 8, ou 11	The most recent contact with a nurse took place at work/at school/other.	
8	CHP_13 = 9	The most recent contact with a nurse took place at home.	
9	CHP_13 = 10	The most recent contact with a nurse took place as a telephone consultation only.	

## 9 ) Number of consultations - dentist or orthodontist - (G)

**Variable name:** CHPG15

**Based on:** CHP\_15

**Description:** This variable indicates the number of consultations with a dentist or orthodontist in the past 12 months.

Specifications			
Value	Condition(s)	Description	Notes
99	CHP_15 = DK, R, NS	At least one required question was not answered (don't know, refusal, not stated)	NS

CHP_15	CHP_15	Number of consultations with a dentist or orthodontist
12	12=<CHP_15	Number of consultations with a dentist or orthodontist

## 10 ) Number of Consultations with Medical Doctor/Paediatrician - Grouped

**Variable name:** CHPGMDC

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

**Description:** This variable indicates the number of respondent's consultations, including over the phone, with medical doctor in the last 12 months.

**Note:** This variable has been grouped according to "less than 31 Consultations" and "31 or more".

Specifications			
Value	Condition(s)	Description	Notes
999	(CHP_04 = DK, R, NS) or (CHP_09 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
CHP_04 + CHP_09	(0 <= CHP_04 <= 366) and (0 <= CHP_09 <= 300)	Number of consultations with medical doctor. 31 or more consultations are grouped together.	(min: 0; max: 666)

## Dwelling and household variables (7 DVs)

### 1 ) Age - Grouped

**Variable name:** DHHGAGE

**Based on:** DHH\_AGE

**Description:** This variable indicates the age of the selected respondent.

Specifications			
Value	Condition(s)	Description	Notes
1	12 <= DHH_AGE <= 14	Age between 12 and 14	
2	15 <= DHH_AGE <= 17	Age between 15 and 17	
3	18 <= DHH_AGE <= 19	Age between 18 and 19	
4	20 <= DHH_AGE <= 24	Age between 20 and 24	
5	25 <= DHH_AGE <= 29	Age between 25 and 29	
6	30 <= DHH_AGE <= 34	Age between 30 and 34	
7	35 <= DHH_AGE <= 39	Age between 35 and 39	
8	40 <= DHH_AGE <= 44	Age between 40 and 44	
9	45 <= DHH_AGE <= 49	Age between 45 and 49	
10	50 <= DHH_AGE <= 54	Age between 50 and 54	
11	55 <= DHH_AGE <= 59	Age between 55 and 59	
12	60 <= DHH_AGE <= 64	Age between 60 and 64	
13	65 <= DHH_AGE <= 69	Age between 65 and 69	
14	70 <= DHH_AGE <= 74	Age between 70 and 74	
15	75 <= DHH_AGE <= 79	Age between 75 and 79	
16	DHH_AGE >= 80	Age 80 and older	

### 2 ) Marital status - Grouped

**Variable name:** DHHGMS

**Based on:** DHH\_MS

**Description:** This variable indicates the marital status for the selected respondent.

Specifications			
Value	Condition(s)	Description	Notes
9	DHH_MS = (DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
1	DHH_MS = 1	Married	
2	DHH_MS = 2	Common-law	
3	DHH_MS = 3, 4, 5	Widowed/Divorced/Separated	
4	DHH_MS = 6	Single	

### 3 ) Number of Persons in Household With Less Than 6 Years of Age - Grouped

**Variable name:** DHHGLE5

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

**Description:** This variable indicates the number of people living within the household whose age is less than 6 years old.

**Note:** The variable DHHGLE5 is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONIDs that have a DHH\_AGE value of 5 and under within each SAMPLEID. DHHGLE5 is a regrouping of DHHGLE5.

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>DHHGLE5</b>			
Total number of PERSONIDs within each SAMPLEID	DHH_AGE <= 5 (Member file)	Number of persons under 6 in a household	(values: 0-40)

Specifications			
Value	Condition(s)	Description	Notes
0	DHHGLE5 = 0	No persons under 6 in the household	
1	DHHGLE5 >= 1	One or more persons under 6 in the household	

### 4 ) Number of Persons in Household between 6 to 11 Years of Age - Grouped

**Variable name:** DHHG611

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

**Description:** This variable indicates the number of people living within the household who are aged 6 to 11 years old.

**Note:** The variable DHHG611 is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONIDs that have a DHH\_AGE value from 6 to 11 within each SAMPLEID.

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>DHHG611</b>			
Total number of PERSONIDs within each SAMPLEID	(6 <= DHH_AGE <= 11) (Member file)	Number of persons aged 6 to 11 in a household	(min: 1; max: 40)

Specifications			
Value	Condition(s)	Description	Notes
0	DHHG611 = 0	No persons aged 6 to 11 in the household	
1	DHHG611 >= 1	One or more persons aged 6 to 11 in the household	

## 5 ) Number of Persons in Household With Less Than 12 Years of Age - Grouped

**Variable name:** DHHGL12

**Based on:** PERSONID, DHH\_AGE, DHHDL12

**Description:** This variable indicates the number of people living within the household whose age is less than 12 years old.

**Note:** The variable DHHDL12 is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONIDs that have a DHH\_AGE value less than 12 within each SAMPLEID. DHHGL12 is a regrouping of DHHDL12.

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>DHHDL12</b>			
Total number of PERSONIDs within each SAMPLEID	DHH_AGE < 12 (Member file)	Number of persons under 12 in a household	(min: 0; max: 40)

Specifications			
Value	Condition(s)	Description	Notes
0	DHHDL12 = 0	No persons under 12 in the household	
1	DHHDL12 >= 1	One or more persons under 12 in the household	

## 6 ) Living/Family Arrangement of Selected Respondent - Grouped

**Variable name:** DHHGLVG

**Based on:** DHH\_REL of selected respondent, DHHDSZ, DHHDLVG

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

**Note:** The necessary data are collected using a set of relationship codes that define a link between each pair of persons in a household. DHHGLVG is a regrouping of DHHDLVG.

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>DHH_REL</b>			
L1	F5*, G0*, H0*, Z0	Temporary recodes to collapse relationships - Non-relative	RELATIONSHIP CODES: * All Foster relationships (foster sister/brother, parent, or child) have been recoded into the "Non relative" category due to the temporary nature of the relationships.
K1	I0, J0, K0, L0	Temporary recodes to collapse relationships - Other relative	RELATIONSHIP CODES:

C1	F0, F1, F2, F3, F4	Temporary recodes to collapse relationships - Sibling	RELATIONSHIP CODES:
B1	E0, E1, E2, E3	Temporary recodes to collapse relationships - Child	RELATIONSHIP CODES:
A1	D0, D1, D2, D3	Relationship codes used - Parental	RELATIONSHIP CODES:
Z1	ZZ, L8, L9	Temporary recodes to collapse relationships - Not stated	RELATIONSHIP CODES:
X1	A0, B0, C0	Temporary recodes to collapse relationships - Spouse/Partner	RELATIONSHIP CODES:
<b>DHHDHSZ</b>			
Total number of PERSONIDs within each SAMPLEID	Sort the file (Member file) by SAMPLEID and PERSONID	Number of persons in a household	(min: 1; max: 40)

## Specifications

Value	Condition(s)	Description	Notes
99	Any DHH_REL = Z1	Not stated	NS
1	DHHDHSZ = 1	Unattached individual living alone (Selected respondent lives alone. Household size = 1)	
2	DHHDHSZ > 1 and (no DHH_REL = X1) and (no DHH_REL = A1) and (no DHH_REL = B1)	Unattached individual living with others (Selected respondent lives with others. He/she cannot have a marital/commonlaw or parental relationship but other relationships such as siblings are allowed)	
3	DHHDHSZ = 2 and DHH_REL = X1	Spouse/partner living with spouse/partner (Selected respondent 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 (Selected respondent lives with spouse/partner and one or more children)	
5	DHHDHSZ > 1 and all DHH_REL = A1	Single parent living with children (Selected respondent lives with one or more children. No other relationships are permitted)	
6	(DHHDHSZ = 2 and DHH_REL = B1) or (DHHDHSZ > 2 and one DHH_REL = B1 and all other DHH_REL = C1)	Selected respondent is a child living with a single parent with or without siblings	
7	(DHHDHSZ = 3 and all DHH_REL = B1) or (DHHDHSZ > 3 and two DHH_REL = B1 and all other DHH_REL = C1)	Selected respondent is a child living with two parents with or without siblings	
8	Else	Other (Selected respondent lives in a household composition not classified above)	

## 7) Household size - Grouped

Variable name: DHGHGSZ

**Based on:** SAMPLEID, PERSONID, DHHDSZ

**Description:** This variable indicates the number of people living within a household.

**Note:** This variable is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONIDs within each SAMPLEID. DHHGHSZ is a grouping of DHHDSZ.

Specifications			
Value	Condition(s)	Description	Notes
1	DHHDSZ = 1	Exact number of persons living in household	
2	DHHDSZ = 2	Exact number of persons living in household	
3	DHHDSZ = 3	Exact number of persons living in household	
4	DHHDSZ = 4	Exact number of persons living in household	
5	DHHDSZ >= 5	Grouped - 5 or more persons live in the household	



## 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>			
(5 – DIS_10A)	DIS_10A <= 5	Rescale and invert the question answers from 1 to 5 to 4 to 0	
DIS_10A	DIS_10A > 5	Carry through cases of RF, DK, NS	
<b>DIST10B</b>			
DIS_10B	DIS_10B > 5	Carry through cases of RF, DK, NS	
(5 – DIS_10B)	DIS_10B <= 5	Rescale and invert the question answers from 1 to 5 to 4 to 0	
<b>DIST10C</b>			
DIS_10C	DIS_10C > 5	Carry through cases of RF, DK, NS	
(5 – DIS_10C)	DIS_10C <= 5	Rescale and invert the question answers from 1 to 5 to 4 to 0	
<b>DIST10D</b>			
DIS_10D	DIS_10D > 5	Carry through cases of RF, DK, NS	
(5 – DIS_10D)	DIS_10D <= 5	Rescale and invert the question answers from 1 to 5 to 4 to 0	
<b>DIST10E</b>			
DIS_10E	DIS_10E > 5	Carry through cases of RF, DK, NS	
(5 – DIS_10E)	DIS_10E <= 5	Rescale and invert the question answers from 1 to 5 to 4 to 0	
<b>DIST10F</b>			
DIS_10F	DIS_10F > 5	Carry through cases of RF, DK, NS	
(5 – DIS_10F)	DIS_10F <= 5	Rescale and invert the question answers from 1 to 5 to 4 to 0	
<b>DIST10G</b>			
DIS_10G	DIS_10G > 5	Carry through cases of RF, DK, NS	
(5 – DIS_10G)	DIS_10G <= 5	Rescale and invert the question answers from 1 to 5 to 4 to 0	
<b>DIST10H</b>			
DIS_10H	DIS_10H > 5	Carry through cases of RF, DK, NS	
(5 – DIS_10H)	DIS_10H <= 5	Rescale and invert the question answers from 1 to 5 to 4 to 0	
<b>DIST10I</b>			
(5 – DIS_10I)	DIS_10I <= 5	Rescale and invert the question answers from 1 to 5 to 4 to 0	
DIS_10I	DIS_10I > 5	Carry through cases of RF, DK, NS	
<b>DIST10J</b>			
DIS_10J	DIS_10J > 5	Carry through cases of RF, DK, NS	
(5 – DIS_10J)	DIS_10J <= 5	Rescale and invert the question answers from 1 to 5 to 4 to 0	

## 1 ) Distress Scale - K6

**Variable name:** DISDK6

**Based on:** DIS\_10B, DIS\_10D, DIS\_10E, DIS\_10H, DIS\_10I, DIS\_10J

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

**Note:** This variable is based on 6 items and is known as the K6. 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	DODIS = 2	Module not selected	NA
99	ADM_PRX = 1	Module not asked - proxy interview	NS
99	(DIST10B = DK, R, NS) or (DIST10D = DK, R, NS) or (DIST10E = DK, R, NS) or (DIST10H = DK, R, NS) or (DIST10I = DK, R, NS) or (DIST10J = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
DIST10B + DIST10D + DIST10E + DIST10H + DIST10I + DIST10J	DIST10B <= 4 and DIST10D <= 4 and DIST10E <= 4 and DIST10H <= 4 and DIST10I <= 4 and 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	DODIS = 2	Module not selected	NA
99	ADM_PRX = 1	Module not asked - proxy interview	NS
99	(DIS_10K = DK, R, NS) or (DIS_10L = DK, R, NS) or (DIS_10M = DK, R, NS)	At least one required question was not answered (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	DODIS = 2	Module not selected	NA
99	ADM_PRX = 1	Module not asked - proxy interview	NS
99	(DIST10A = DK, R, NS) or (DIST10B = DK, R, NS) or (DIST10C = DK, R, NS) or (DIST10D = DK, R, NS) or (DIST10E = DK, R, NS) or (DIST10F = DK, R, NS) or (DIST10G = DK, R, NS) or (DIST10H = DK, R, NS) or (DIST10I = DK, R, NS) or (DIST10J = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
DIST10A + DIST10B + DIST10C + DIST10D + DIST10E + DIST10F + DIST10G + DIST10H + DIST10I + DIST10J	DIST10A <= 4 and DIST10B <= 4 and DIST10C <= 4 and DIST10D <= 4 and DIST10E <= 4 and DIST10F <= 4 and DIST10G <= 4 and DIST10H <= 4 and DIST10I <= 4 and 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	
1	DPS_02 = 1	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no	
DPS_02	DPS_02 > 2	Carry through cases of RF, DK, NS	
<b>DPST05</b>			
0	DPS_05 = 2	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no	
1	DPS_05 = 1	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no	
DPS_05	DPS_05 > 2	Carry through cases of RF, DK, NS	
<b>DPST06</b>			
0	DPS_06 = 2	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no	
1	DPS_06 = 1	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no	
DPS_06	DPS_06 > 2	Carry through cases of RF, DK, NS	
<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	DPS_10 > 3	Carry through cases of RF, DK, NS	
<b>DPST11</b>			
0	DPS_11 = 2	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no	
1	DPS_11 = 1	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no	
DPS_11	DPS_11 > 2	Carry through cases of RF, DK, NS	
<b>DPST12</b>			
0	DPS_12 = 2	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no	

1	DPS_12 = 1	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no
DPS_12	DPS_12 > 2	Carry through cases of RF, DK, NS
<b>DPST13</b>		
0	DPS_13 = 2	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no
1	DPS_13 = 1	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no
DPS_13	DPS_12 > 2	Carry through cases of RF, DK, NS
<b>DPST16</b>		
0	DPS_16 = 2	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no
1	DPS_16 = 1	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no
DPS_16	DPS_16 > 2	Carry through cases of RF, DK, NS
<b>DPST19</b>		
0	DPS_19 = 2	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no
1	DPS_19 = 1	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no
DPS_19	DPS_19 > 2	Carry through cases of RF, DK, NS
<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
DPS_23	DPS_23 > 3	Carry through cases of RF, DK, NS
<b>DPST24</b>		
0	DPS_24 = 2	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no
1	DPS_24 = 1	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no
DPS_24	DPS_24 > 2	Carry through cases of RF, DK, NS
<b>DPST25</b>		
0	DPS_25 = 2	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no
1	DPS_25 = 1	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no
DPS_25	DPS_25 > 2	Carry through cases of RF, DK, NS
<b>DPST26</b>		
0	DPS_26 = 2	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no

1	DPS_26 = 1	Rescale answers needed for calculation so that answers are 1 for yes and 0 for no
DPS_26	DPS_26 > 2	Carry through cases of RF, DK, NS

## 1 ) Derived Depression Scale - Short Form Score

<b>Variable name:</b>	DPDSDF
<b>Based on:</b>	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
<b>Description:</b>	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.
<b>Note:</b>	<p>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.</p> <p>Higher scores indicate higher level of depression.</p>
<b>Internet site:</b>	National Comorbidity Survey: <a href="http://www.hcp.med.harvard.edu/ncs/">www.hcp.med.harvard.edu/ncs/</a> Composite International Diagnostic Interview (CIDI): <a href="http://www.who.int/msa/cidi/index.htm">www.who.int/msa/cidi/index.htm</a>

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

DPST16 + DPST19 + DPST21A + DPST23 + DPST24 + DPST25 + DPST26	DPST16 = 1 and (DPST19 = 1, 0) and (DPST21A = 1, 0) and (DPST23 = 1, 0) and (DPST24 = 1, 0) and (DPST25 = 1, 0) and (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	DODEP = 2	Module not selected	NA
9.99	ADM_PRX = 1	Module not asked - proxy interview	NS
9.99	DPSDSF = NS	At least one required question was not answered (don't know, refusal, not stated) or module not asked (proxy interview)	NS
0	DPSDSF = 0	Probability of caseness to respondents	
0.05	DPSDSF = 1	Probability of caseness to respondents	
0.25	DPSDSF = 2	Probability of caseness to respondents	
0.50	DPSDSF = 3	Probability of caseness to respondents	
0.80	DPSDSF = 4	Probability of caseness to respondents	
0.90	DPSDSF > 4	Probability of caseness to respondents	

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

**Variable name:** DPSDWK

**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	DODEP = 2	Module not selected	NA
96	DPS_14 = NA and DPS_27 = NA	Population exclusions	NA

99	ADM_PRX = 1	Module not asked - proxy interview	NS
99	(DPS_14 = DK, R, NS) or (DPS_27 = DK, R, NS) or (DPS_08A = DK, R, NS) or (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 DPS_27 < NA	Number of weeks respondent lost interest in things in the last year	

#### 4 ) Specific Month Last Felt Depressed

**Variable name:** DPSDMT

**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	DODEP = 2	Module not selected	NA
96	DPS_15 = NA and DPS_28 = NA	Population exclusions	NA
99	ADM_PRX = 1	Module not asked - proxy interview	NS
99	(DPS_14 = 52, DK, R, NS) or (DPS_15 = DK, R, NS) or (DPS_27 = 52, DK, R, NS) or (DPS_28 = DK, R, NS) or (DPS_08A = DK, R, NS) or (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 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 DPS_27 < 52 and 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	DODRV = 2	Module not selected	NA
9	ADM_PRX = 1	Module not asked - proxy interview	NS
6	DRV_08A = 5 and DRV_08B = 5	Population exclusions	NA
1	(DRV_08A = 1, 5) and (DRV_08B = 1, 5)	Always fastens seatbelt when a passenger in a private vehicle	
2	(DRV_08A = 2, 3, 4) or (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 (DRV_08B = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS

## Education (3 DVs)

### 1 ) Full-time student or part-time student - (Grouped)

**Variable name:** SDCG9

**Based on:** SDC\_9

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

Specifications			
Value	Condition(s)	Description	Notes
6	SDC_9 = 6	Population exclusions	NA
7	SDC_9 = 7	Don't know	
8	SDC_9 = 8	Refusal	
9	SDC_9 = 9	At least one required question was not answered (don't know, refusal, not stated)	NS
1	SDC_9 = 1	Full-time student or both full-time and part-time student	
2	SDC_9 = 2	Part-time student	

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

**Variable name:** EDUDH04

**Based on:** EDUDR04 for each member of the household

**Description:** This variable indicates the highest level of education acquired by any member of the household.

**Note:** 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.

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

**Variable name:** EDUDR04

**Based on:** EDU\_1, EDU\_2, EDU\_3, EDU\_4A

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

**Note:** In 2011, the external name for EDU\_Q04 was changed from EDU\_4 to EDU\_4A due to the addition of two new response categories in the question.

Specifications			
Value	Condition(s)	Description	Notes
1	((EDU_1 in (1, 2) or EDU_2 = 2) and EDU_3 = 2)	Less than secondary school graduation	EDUDR10 = 1,2,3

2	EDU_2 = 1 and EDU_3 = 2	Secondary school graduation, no post-secondary education	EDUDR10 = 4
3	EDU_3 = 1 and EDU_4A in (1,2)	Some post-secondary education	EDUDR10 = 5
4	EDU_4A in (3,4,5,6,7)	Post-secondary certificate/diploma or university degree	EDUDR10 = 6,7,8,9,10
9	[(EDU_1 in (7,8,9)) and EDU_2 = 2] or (EDU_2 in (7,8,9)) or (EDU_3 in (7,8,9)) or (EDU_4A in (97,98,99)) or ((DHH_AGE in (14,15)) and PMKPROXY = 2)	At least one required question was not answered (don't know, refusal, not stated)	NS (EDUDR10 = 99)

## Exposure to second-hand smoke (1 DV)

### 1 ) Number of people who smoke inside home - (G)

**Variable name:** ETSG11

**Based on:** ETS\_11

**Description:** This variable groups the number of people who smoke inside the home.

Specifications			
Value	Condition(s)	Description	Notes
6	ETS_11 = 96	Not applicable	
9	ETS_11 = 97, 98, or 99	Not stated	
	ETS_11 = 1	One person smokes inside the home.	
	ETS_11 = 2	Two people smoke inside the home.	
	ETS_11 = 3	Three people smoke inside the home.	
	ETS_11 >= 4	At least 4 people smoke inside the home.	

## 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 FDC_3B = 2 and FDC_3C = 2 and FDC_3D = 2 and 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 FDC_3B = 1 or FDC_3C = 1 or FDC_3D = 1 or 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 (FDC_3B = DK, R, NS) or (FDC_3C = DK, R, NS) or (FDC_3D = DK, R, NS) or (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 FDC_1B = 2 and FDC_1C = 2 and 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 FDC_1B = 1 or FDC_1C = 1 or 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 (FDC_1B = DK, R, NS) or (FDC_1C = DK, R, NS) or (FDC_1D = DK, R, NS)	At least one required question was not answered (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 FDC_2B = 2 and FDC_2C = 2	Does not choose certain foods because of concerns about fat, fibre and calcium content	
1	FDC_2A = 1 or FDC_2B = 1 or FDC_2C = 1	Chooses certain foods because of concerns about fat, fibre or calcium content	
9	(FDC_2A = DK, R, NS) or (FDC_2B = DK, R, NS) or (FDC_2C = DK, R, NS)	At least one required question was not answered (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 DHHDOKD = 0	Set value to 0 to indicate households WITHOUT children (aged less than 18)	
1	DHHDYKD <> 0 or DHHDOKD <> 0	Set value to 1 to indicate households WITH children (aged less than 18)	
<b>FSCASUM</b>			
FSC020 + FSC030 + FSC040 + FSC080 + FSC081 + FSC090 + FSC100 + FSC110 + FSC120 + FSC121	All	Sum of all temporary variables for adults to be used in determining the level of household food insecurity  Total will range from 0 to 10.	(Min: 0; Max: 10)
<b>FSCCSUM</b>			
FSC050 + FSC060 + FSC070 + FSC130 + FSC140 + FSC141 + FSC150 + FSC160	All	Sum of all temporary variables for children to be used in determining the level of household food insecurity  Total will range from 0 to 8.	(Min: 0; Max: 8)
<b>FSC020</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 in (1, 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>FSC030</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 in (1,2)) 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>FSC040</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 in (1,2)) 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>FSC050</b>			
0	(FSC_050 in (3,6)) 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 in (1,2)) 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 in (3,6)) 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_060 in (1, 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.
---	-----------------------------------	--

**FSCT070**

0	(FSC_070 in (3,6)) 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_070 in (1,2)) 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.
---	----------------------------------	--

**FSCT080**

0	(FSC_080 in (2,6)) 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_080 = 1) 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.
---	------------------------------	--

**FSCT081**

0	(FSC_081 in (3,6)) 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_081 in (1, 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.
---	-----------------------------------	--

**FSCT090**

0	(FSC_090 in (2,6)) 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_090 = 1) 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.
---	-----------------------------	--

**FSCT100**

0	(FSC_100 in (2,6)) 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_100 = 1) 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.
---	-----------------------------	--

**FSCT110**

0	(FSC_110 in (2,6)) 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_110 = 1) 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.
---	-----------------------------	--

**FSCT120**



0	(FSC_120 in (2,6)) 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_120 = 1) 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>FSCT121</b>		
0	(FSC_121 in (3,6)) 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_121 in (1,2)) 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>FSCT130</b>		
0	(FSC_130 in (2,6)) 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_130 = 1) 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>FSCT140</b>		
0	(FSC_140 in (2,6)) 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_140 = 1) 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>FSCT141</b>		
0	(FSC_141 in (3,6)) 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_141 in (1,2)) 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>FSCT150</b>		
0	(FSC_150 in (2,6)) 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_150 = 1) 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>FSCT160</b>		
0	(FSC_160 in (2,6)) 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_160 = 1) 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 ) 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 describes the food security situation of the household 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:** When using the person weight (WTS\_M), this variable reflects the number of people living the household with food insecurity. When using the household weight (WTS\_MHH), this variable reflects the number of households with food insecurity.

Households with children are defined as households with individuals who are either aged 15 or less (DHHYKD=1), or aged 16 or 17 (DHHODKD=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:** <http://www.hc-sc.gc.ca/fn-an/surveill/nutrition/commun/insecurit/status-situation-eng.php>

### Specifications

Value	Condition(s)	Description	Notes
6	DOFSC = 2	Module not selected	NA
9	(FSC_020 in (97,98,99)) or (FSC_030 in (97,98,99)) or (FSC_040 in (97,98,99)) or (FSC_050 in (97,98,99)) or (FSC_060 in (97,98,99)) or (FSC_070 in (97,98,99)) or (FSC_080 in (97,98,99)) or (FSC_081 in (97,98,99)) or (FSC_090 in (97,98,99)) or (FSC_100 in (97,98,99)) or (FSC_110 in (97,98,99)) or (FSC_120 in (97,98,99)) or (FSC_121 in (97,98,99)) or (FSC_130 in (97,98,99)) or (FSC_140 in (97,98,99)) or (FSC_141 in (97,98,99)) or (FSC_150 in (97,98,99)) or (FSC_160 in (97,98,99)) or PMKProxy = 2	At least one required question was not answered (don't know, refusal, not stated) or the person most knowledgeable about the household was not available to answer questions for respondents aged 16 or younger.	NS
0	(DHHTDKS = 1 and (FSCASUM >= 0 and FSCASUM <= 1) and (FSCCSUM >= 0 and FSCCSUM <= 1)) or (DHHTDKS = 0 and (FSCASUM >= 0 and FSCASUM <= 1))	Food secure	

1	[DHHTDKS = 1 and (FSCASUM >=2 and FSCASUM <= 5) and (FSCCSUM >= 2 and FSCCSUM <= 4)) or (DHHTDKS = 1 and (((FSCASUM >= 2 and FSCASUM <= 5) and (FSCCSUM <= 4)) or ((FSCASUM <= 5) and (FSCCSUM >= 2 and FSCCSUM <= 4)))) or (DHHTDKS = 0 and (FSCASUM >= 2 and FSCASUM <= 5))	Moderately food insecure
2	(DHHTDKS = 1 and (FSCASUM >=6 and FSCASUM <= 10) or (FSCCSUM >= 5 and FSCCSUM <= 8)) or (DHHTDKS = 0 and (FSCASUM >=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 ) Food Security - Adult Status

<b>Variable name:</b>	FSCDAFS2
<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 adult-referenced questions and describes the food security situation of the adult members of the household. It captures three kinds of situations:</p> <p>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 (2 to 5 affirmative responses).  3-Severely food insecure: indication of reduced food intake and disrupted eating patterns (&gt;= 6 affirmative responses)</p> <p>This variable is adopted from the Health Canada model of food security status.</p>
<b>Note:</b>	<p>This variable does not necessarily reflect the experience of all adult members in the household. When using the person weights (WTS_M), this variable reflects the number of people living in households with food insecurity among the adult members of the household. When using the household weights (WTS_MHH), this variable reflects the number of households with food insecurity among the adult members of the household.</p> <p>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).</p> <p>This derived variable was introduced in 2010.</p>
<b>Internet site:</b>	<a href="http://www.hc-sc.gc.ca/fn-an/surveill/nutrition/commun/insecurit/status-situation-eng.php">http://www.hc-sc.gc.ca/fn-an/surveill/nutrition/commun/insecurit/status-situation-eng.php</a>

Specifications			
Value	Condition(s)	Description	Notes
6	DOFSC = 2	Module not selected	NA

9	FSC_020 in (97,98,99) or FSC_030 in (97,98,99) or FSC_040 in (97,98,99) or FSC_080 in (97,98,99) or FSC_081 in (97,98,99) or FSC_090 in (97,98,99) or FSC_100 in (97,98,99) or FSC_110 in (97,98,99) or FSC_120 in (97,98,99) or FSC_121 in (97,98,99) or PMKPROXY = 2	At least one required question was not answered (don't know, refusal, not stated) or the person most knowledgeable about the household was not available to answer questions for respondents aged 16 or younger.	NS
0	(FSCASUM >= 0 and FSCASUM <= 1)	Food secure	
1	(FSCASUM >= 2 and FSCASUM <= 5)	Moderately food secure	
2	(FSCASUM >= 6 and FSCASUM <= 10)	Severely food insecure	

Reference: The model for FSCDAFS2 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 ) Food Security - Child Status

**Variable name:** FSCDCFS2

**Based on:** FSC\_050, FSC\_060, FSC\_070, FSC\_130, FSC\_140, FSC\_141, FSC\_150, FSC\_160

**Description:** This variable is based on a set of 8 child-referenced questions and describes the food security situation of the child (less than 18 years old) members of the household 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 (2 to 4 affirmative responses).
- 3-Severely food insecure: indication of reduced food intake and disrupted eating patterns (>= 5 affirmative responses)

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

**Note:** This variable is only defined for 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. This variable does not necessarily reflect the experience of all child members in the household. When using the person weights (WTS\_M), this variable reflects the number of people living in households with food insecurity among the child members of the household. When using the household weights (WTS\_MHH), this variable reflects the number of households with food insecurity among the child members of the household.

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).

This derived variable was introduced in 2010.

**Internet site:** <http://www.hc-sc.gc.ca/fn-an/surveill/nutrition/commun/insecurit/status-situation-eng.php>

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_050 in (97,98,99)) or (FSC_060 in (97,98,99)) or (FSC_070 in (97,98,99)) or (FSC_130 in (97,98,99)) or (FSC_140 in (97,98,99)) or (FSC_141 in (97,98,99)) or (FSC_150 in (97,98,99)) or (FSC_160 in (97,98,99)) or PMKPROXY = 2	At least one required question was not answered (don't know, refusal, not stated) or the person most knowledgeable about the house hold was not available to answer questions for respondents aged 16 or younger.	NS
0	DHHTDKS = 1 AND (FSCCSUM >= 0 AND FSCCSUM <= 1)	Food secure	
1	DHHTDKS = 1 AND (FSCCSUM >= 2 AND FSCCSUM <= 4)	Moderately food insecure	
2	DHHTDKS = 1 AND (FSCCSUM >= 5 AND FSCCSUM <= 8)	Severely food insecure	

Reference: The model for FSCDCFS2 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 (FVC_1B = DK, R, NS) or (FVC_1C = DK, R, NS) or (FVC_1D = DK, R, NS) or (FVC_1E = DK, R, NS)	At least one required question was not answered (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 (reported "times per week")	(rounded to one decimal place)
FVC_1D / 30	FVC_1A = 3	Number of times/day (reported "times per month")	(rounded to one decimal place)
FVC_1E / 365	FVC_1A = 4	Number of times/day (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 (FVC_2B = DK, R, NS) or (FVC_2C = DK, R, NS) or (FVC_2D = DK, R, NS) or (FVC_2E = DK, R, NS)	At least one required question was not answered (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 (reported "times per week")	(rounded to one decimal place)
FVC_2D / 30	FVC_2A = 3	Number of times/day (reported "times per month")	(rounded to one decimal place)

FVC_2E / 365	FVC_2A = 4	Number of times/day (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 (FVC_3B = DK, R, NS) or (FVC_3C = DK, R, NS) or (FVC_3D = DK, R, NS) or (FVC_3E = DK, R, NS)	At least one required question was not answered (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 (reported "times per week")	(rounded to one decimal place)
FVC_3D / 30	FVC_3A = 3	Number of times/day (reported "times per month")	(rounded to one decimal place)
FVC_3E / 365	FVC_3A = 4	Number of times/day (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 (FVC_4B = DK, R, NS) or (FVC_4C = DK, R, NS) or (FVC_4D = DK, R, NS) or (FVC_4E = DK, R, NS)	At least one required question was not answered (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 (reported "times per week")	(rounded to one decimal place)
FVC_4D / 30	FVC_4A = 3	Number of times/day (reported "times per month")	(rounded to one decimal place)
FVC_4E / 365	FVC_4A = 4	Number of times/day (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 (FVC_5B = DK, R, NS) or (FVC_5C = DK, R, NS) or (FVC_5D = DK, R, NS) or (FVC_5E = DK, R, NS)	At least one required question was not answered (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 (reported "times per week")	(rounded to one decimal place)
FVC_5D / 30	FVC_5A = 3	Number of times/day (reported "times per month")	(rounded to one decimal place)
FVC_5E / 365	FVC_5A = 4	Number of times/day (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 (FVC_6B = DK, R, NS) or (FVC_6C = DK, R, NS) or (FVC_6D = DK, R, NS) or (FVC_6E = DK, R, NS)	At least one required question was not answered (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 (reported "servings per week")	(rounded to one decimal place)
FVC_6D / 30	FVC_6A = 3	Number of servings/day (reported "servings per month")	(rounded to one decimal place)
FVC_6E / 365	FVC_6A = 4	Number of servings/day (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

**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 FVCDFRU = NS or FVCDLAL = NS or FVCDPOT = NS or FVCDLAL = NS or FVCDLAL = NS	At least one required question was not answered (don't know, refusal, not stated)	NS
FVCDJUI + FVCDFRU + FVCDLAL + FVCDPOT + FVCDLAL + FVCDLAL	(0 <= FVCDJUI <= 20) and (0 <= FVCDFRU <= 20) and (0 <= FVCDLAL <= 20) and (0 <= FVCDPOT <= 20) and (0 <= FVCDLAL <= 20) and (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 (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 per day	
3	FVCDTOT > 10	Eats fruits and vegetables more than 10 times per 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 in (97,98,99)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	(GEN_02A2 >= 9 and GEN_02A2 <= 10)	Very Satisfied	
2	(GEN_02A2 >= 6 and GEN_02A2 <= 8)	Satisfied	
3	GEN_02A2 = 5	Neither satisfied nor dissatisfied	
4	(GEN_02A2 >= 2 and GEN_02A2 <= 4)	Dissatisfied	
5	(GEN_02A2 >= 0 and GEN_02A2 <= 1)	Very Dissatisfied	

## Geography variables (3 DVs)

The Decembre 2011 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.

### 1 ) Province of residence of respondent - (G)

**Variable name:** GEOGPRV

**Based on:** GEO\_PRV

**Description:** This is the respondent's province of residence.

Specifications			
Value	Condition(s)	Description	Notes
GEO_PRV	GEO_PRV=<59	Province of residence of respondent.	
60	60=<GEO_PRV=<62	Yukon/Northwest/Nunavut Territories	

### 2 ) Health region - Grouped

**Variable name:** GEODPMF

**Based on:** GEODHR4

**Description:** This variable is a 5-digit number that identifies the sub-provincial health areas. It is based on the 4-digit health regions specified by the Provincial Ministries of Health. This reconstruction is as follows:

- positions 1-2 (first two positions of GEODHR4);
- position 3 (value of "9");
- positions 4-5 (3rd, 4th position of GEODHR4).

**Note:** The variable GEODHR4 is the health region based on GEODPC (postal code) and is derived using the information available on the survey frame at the time of sampling and the geographic information provided by the respondent. GEODHR4 and GEODPC are not included in the Public Use Microdata File.

Specifications			
Value	Condition(s)	Description	Notes
10913	GEODHR4 in (1013, 1014)	Group: Western Regional Integrated Health Authority Labrador-Grenfell Integrated Health Authority	
11901	GEODHR4 in (1101, 1102, 1103)	Group: Prince Health Region Kings Health Region Queens Health Region	
13904	GEODHR4 in (1304, 1305)	Group: Zone 4 Zone 5	
13906	GEODHR4 in (1306, 1307)	Group: Zone 6 Zone 7	
35939	GEODHR4 in (3539, 3554)	Group: Huron County Health Unit Perth District Health Unit	
35947	GEODHR4 in (3547, 3563)	Group: North Bay Parry Sound District Health Unit Timiskaming Health Unit	

46901	GEODHR4 in (4610, 4690)	Group: Winnipeg Regional Health Authority Churchill Regional Health Authority	New grouping for 2011-2012 PUMF
46902	GEODHR4 in (4615, 4645, 4660)	Group: Brandon Regional Health Authority Assiniboine Regional Health Authority Parkland Regional Health Authority	New grouping for 2011-2012 PUMF
46903	GEODHR4 in (4620, 4630)	Group: North Eastman Regional Health Authority Interlake Regional Health Authority	New grouping for 2011-2012 PUMF
46904	GEODHR4 in (4670, 4680)	Group: Norman Regional Health Authority Burntwood Regional Health Authority	New grouping for 2011-2012 PUMF
46905	GEODHR4 in (4625, 4640)	Group: South Eastman Regional Health Authority Central Regional Health Authority	New grouping for 2011-2012 PUMF
47901	GEODHR4 in (4701, 4702, 4703)	Group: Sun Country Regional Health Authority Five Hills Regional Health Authority Cypress Regional Health Authority	
47905	GEODHR4 in (4705, 4708)	Group: Sunrise Regional Health Authority Kelsey trail Regional Health Authority	
47907	GEODHR4 in (4707, 4710)	Group: Heartland Regional Health Authority Prairie North Regional Health Authority	
47909	GEODHR4 in (4709, 4714)	Group: Prince Albert Parkland Regional Health Authority Mamawetan Churchill River RHA/Keewatin Yatthe RHA/Athabasca Health Authority	
60901	GEODHR4 in (6001, 6101, 6201)	Group: Yukon Northwest Territories Nunavut	

### 3 ) Health Authority - British Columbia

**Variable name:** GEODBCHA

**Based on:** GEODPC

**Description:** This variable is a 4-digit number that identifies the 5 Health Authorities for British Columbia. 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 2009, this variable is based on the geography from the 2006 Census.

## 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 - Grouped

**Variable name:** HUIGVIS

**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
99	(HUI_01 = DK, R, NS) or (HUI_02 = DK, R, NS) or (HUI_03 = DK, R, NS) or (HUI_04 = DK, R, NS) or (HUI_05 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	HUI_01 = 1 and HUI_02 = 6 and HUI_03 = 6 and HUI_04 = 1 and HUI_05 = 6	Able to see well	
2	(HUI_01 = 1 and HUI_02 = 6 and HUI_03 = 6 and HUI_04 = 2 and HUI_05 = 1) or (HUI_01 = 2 and HUI_02 = 1 and HUI_03 = 6 and HUI_04 = 1 and HUI_05 = 6) or (HUI_01 = 2 and HUI_02 = 1 and HUI_03 = 6 and HUI_04 = 2 and HUI_05 = 1)	Able to see well with lenses	
3	(HUI_01 = 1 and HUI_02 = 6 and HUI_03 = 6 and HUI_04 = 2 and HUI_05 = 2) or (HUI_01 = 2 and HUI_02 = 1 and HUI_03 = 6 and HUI_04 = 2 and HUI_05 = 2)	Unable to see distance even with lenses	

4	(HUI_01 = 2 and HUI_02 = 2 and HUI_03 = 1 and HUI_04 = 1 and HUI_05 = 6) or (HUI_01 = 2 and HUI_02 = 2 and HUI_03 = 1 and HUI_04 = 2 and HUI_05 = 1)	Unable to see close - even with lenses
5	HUI_01 = 2 and HUI_02 = 2 and HUI_03 = 1 and HUI_04 = 2 and HUI_05 = 2 or HUI_01 = 2 and HUI_02 = 2 and HUI_03 = 2 and HUI_04 = 6 and HUI_05 = 6	Unable to see close and distance even with lenses Or Unable to see at all

## 2 ) Hearing Health Status - Grouped

**Variable name:** HUIGHER

**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.

Specifications			
Value	Condition(s)	Description	Notes
96	DOHUI = 2	Module not selected	NA
99	(HUI_06 = DK, R, NS) or (HUI_07 = DK, R, NS) or (HUI_07A = DK, R, NS) or (HUI_08 = DK, R, NS) or (HUI_09 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	HUI_06 = 1 and HUI_07 = 6 and HUI_07A = 6 and HUI_08 = 6 and HUI_09 = 6	Able to hear well	



2	HUI_06 = 2 and HUI_07 = 1 and HUI_07A = 6 and HUI_08 = 1 and HUI_09 = 6 or (HUI_06 = 2 and HUI_07 = 1 and HUI_07A = 6 and HUI_08 = 2 and HUI_09 = 1) or (HUI_06 = 2 and HUI_07 = 1 and HUI_07A = 6 and HUI_08 = 2 and HUI_09 = 2)	Unable to hear in a group - corrected Or Unable to hear in a group and individual - corrected
3	HUI_06 = 2 and HUI_07 = 2 and HUI_07A = 1 and HUI_08 = 1 and HUI_09 = 6 or HUI_06 = 2 and HUI_07 = 2 and HUI_07A = 1 and HUI_08 = 2 and HUI_09 = 1 or (HUI_06 = 2 and HUI_07 = 2 and HUI_07A = 1 and HUI_08 = 2 and HUI_09 = 2) or (HUI_06 = 2 and HUI_07 = 2 and HUI_07A = 2 and HUI_08 = 6 and HUI_09 = 6)	Unable to hear in a group - not corrected Or unable to hear in group and individual - individual corrected Or Unable to hear

### 3 ) Speech Health Status - Grouped

**Variable name:** HUIGSPE

**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
9	(HUI_010 = DK, R, NS) or (HUI_011 = DK, R, NS) or (HUI_012 = DK, R, NS) or (HUI_013 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	HUI_10 = 1 and HUI_11 = 6 and HUI_12 = 6 and HUI_13 = 6	Able to be well understood	

2	HUI_10 = 2 and HUI_11 = 1 and HUI_12 = 1 and HUI_13 = 6 or HUI_10 = 2 and HUI_11 = 1 and HUI_12 = 2 and HUI_13 = 1 or (HUI_10 = 2 and HUI_11 = 2 and HUI_12 = 1 and HUI_13 = 6) or (HUI_10 = 2 and HUI_11 = 2 and HUI_12 = 2 and HUI_13 = 1) or (HUI_10 = 2 and HUI_11 = 1 and HUI_12 = 2 and HUI_13 = 2) or (HUI_10 = 2 and HUI_11 = 2 and HUI_12 = 2 and HUI_13 = 2)	Partially understood Or Unable to be understood
---	--	---

#### 4 ) Ambulation Health Status - Grouped

**Variable name:** HUIGMOB

**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
99	(HUI_14 = DK, R, NS) or (HUI_15 = DK, R, NS) or (HUI_16 = DK, R, NS) or (HUI_17 = DK, R, NS) or (HUI_18 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	HUI_14 = 1 and HUI_15 = 6 and HUI_16 = 6 and HUI_17 = 6 and HUI_18 = 6	Able to walk without difficulty	
2	HUI_14 = 2 and HUI_15 = 1 and HUI_16 = 2 and HUI_17 = 2 and HUI_18 = 2	Limitations walking - no aid required	

3	HUI_14 = 2 and HUI_15 = 1 and HUI_16 = 1 and HUI_17 = 2 and HUI_18 = 2 or (HUI_14 = 2 and HUI_15 = 1 and HUI_16 = 1 and HUI_17 = 2 and HUI_18 = 1) or (HUI_14 = 2 and HUI_15 = 1 and HUI_16 = 2 and HUI_17 = 2 and HUI_18 = 1)	Limitations walking - requires walking equipment or wheelchair
4	(HUI_14 = 2 and HUI_15 = 1 and HUI_16 = 1 and HUI_17 = 1 and HUI_18 = 1) or (HUI_14 = 2 and HUI_15 = 1 and HUI_16 = 1 and HUI_17 = 1 and HUI_18 = 2) or (HUI_14 = 2 and HUI_15 = 1 and HUI_16 = 2 and HUI_17 = 1 and HUI_18 = 1) or (HUI_14 = 2 and HUI_15 = 1 and HUI_16 = 2 and HUI_17 = 1 and HUI_18 = 2) or (HUI_14 = 2 and HUI_15 = 2 and HUI_16 = 6 and HUI_17 = 6 and HUI_18 = 1) or (HUI_14 = 2 and HUI_15 = 2 and HUI_16 = 6 and HUI_17 = 6 and HUI_18 = 2)	Limitations walking - requires help from people Or Cannot walk at all

## 5 ) Dexterity Health Status - Grouped

**Variable name:** HUIGDEX

**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
November 2013			

99	(HUI_21 = DK, R, NS) or (HUI_22 = DK, R, NS) or (HUI_23 = DK, R, NS) or (HUI_24 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	HUI_21 = 1 and HUI_22 = 6 and HUI_23 = 6 and HUI_24 = 6	Has full use of hands and fingers	
2	HUI_21 = 2 and HUI_22 = 2 and HUI_23 = 6 and HUI_24 = 2	Dexterity limitations, no help required	
3	HUI_21 = 2 and HUI_22 = 2 and HUI_23 = 6 and HUI_24 = 1 or (HUI_21 = 2 and HUI_22 = 1 and HUI_23 = 1 and HUI_24 = 1) or (HUI_21 = 2 and HUI_22 = 1 and HUI_23 = 1 and HUI_24 = 2) or (HUI_21 = 2 and HUI_22 = 1 and HUI_23 = 2 and HUI_24 = 1) or (HUI_21 = 2 and HUI_22 = 1 and HUI_23 = 2 and HUI_24 = 2) or (HUI_21 = 2 and HUI_22 = 1 and HUI_23 = 3 and HUI_24 = 1) or (HUI_21 = 2 and HUI_22 = 1 and HUI_23 = 3 and HUI_24 = 2) or (HUI_21 = 2 and HUI_22 = 1 and HUI_23 = 4 and HUI_24 = 1) or (HUI_21 = 2 and HUI_22 = 1 and HUI_23 = 4 and HUI_24 = 2)	Dexterity limitations, requires special equipment or help with some tasks or help with most tasks or help with all tasks	

## 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: 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 HUI_27 = 1	Able to remember and think	
2	(HUI_26 = 1 and HUI_27 = 2) or (HUI_26 = 1 and HUI_27 = 3)	Able to remember and some difficulty thinking	
3	HUI_26 = 2 and HUI_27 = 1	Somewhat forgetful and able to think	
4	(HUI_26 = 2 and HUI_27 = 2) or (HUI_26 = 2 and HUI_27 = 3)	Somewhat forgetful and some difficulty thinking	
5	(HUI_26 = 1 and HUI_27 = 4) or (HUI_26 = 2 and HUI_27 = 4) or (HUI_26 = 3 and HUI_27 = 1) or (HUI_26 = 3 and HUI_27 = 2) or (HUI_26 = 3 and HUI_27 = 3) or (HUI_26 = 3 and HUI_27 = 4)	Very forgetful or great deal of difficulty thinking	

6	(HUI_26 = 1 and HUI_27 = 5) or (HUI_26 = 2 and HUI_27 = 5) or (HUI_26 = 3 and HUI_27 = 5) or (HUI_26 = 4 and HUI_27 = 1) or (HUI_26 = 4 and HUI_27 = 2) or (HUI_26 = 4 and HUI_27 = 3) or (HUI_26 = 4 and HUI_27 = 4) or (HUI_26 = 4 and HUI_27 = 5)	Unable to remember or unable to think	
99	(HUI_26 = DK, R, NS) or (HUI_27 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS

Reference: 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.

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

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

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

**Variable name:** HWTGHTM

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

**Description:** This variable indicates the height of the respondent in metres.

**Note:** For example, an individual who is 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"

Specifications			
Value	Condition(s)	Description	Notes
9.999	(HWT_2 = DK, R, NS) or (HWT_2C = DK, R, NS) or (HWT_2D = DK, R, NS) or (HWT_2E = DK, R, NS) or (HWT_2F = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
0.914	HWT_2 = 3 and HWT_2C = 0	0.926 metres or shorter	
0.940	HWT_2 = 3 and HWT_2C = 1	0.927 to 0.952 metres	
0.965	HWT_2 = 3 and HWT_2C = 2	0.953 to 0.977 metres	
0.991	HWT_2 = 3 and HWT_2C = 3	0.978 to 1.002 metres	
1.016	HWT_2 = 3 and HWT_2C = 4	1.003 to 1.028 metres	
1.041	HWT_2 = 3 and HWT_2C = 5	1.029 to 1.053 metres	
1.067	HWT_2 = 3 and HWT_2C = 6	1.054 to 1.079 metres	
1.092	HWT_2 = 3 and HWT_2C = 7	1.080 to 1.104 metres	
1.118	HWT_2 = 3 and HWT_2C = 8	1.105 to 1.129 metres	
1.143	HWT_2 = 3 and HWT_2C = 9	1.130 to 1.155 metres	
1.168	HWT_2 = 3 and HWT_2C = 10	1.156 to 1.180 metres	
1.194	HWT_2 = 3 and HWT_2C = 11	1.181 to 1.206 metres	
1.219	HWT_2 = 4 and HWT_2D = 0	1.207 to 1.231 metres	
1.245	HWT_2 = 4 and HWT_2D = 1	1.232 to 1.256 metres	
1.270	HWT_2 = 4 and HWT_2D = 2	1.257 to 1.282 metres	
1.295	HWT_2 = 4 and HWT_2D = 3	1.283 to 1.307 metres	



1.321	HWT_2 = 4 and HWT_2D = 4	1.308 to 1.333 metres
1.346	HWT_2 = 4 and HWT_2D = 5	1.334 to 1.358 metres
1.372	HWT_2 = 4 and HWT_2D = 6	1.359 to 1.383 metres
1.397	HWT_2 = 4 and HWT_2D = 7	1.384 to 1.409 metres
1.422	HWT_2 = 4 and HWT_2D = 8	1.410 to 1.434 metres
1.448	HWT_2 = 4 and HWT_2D = 9	1.435 to 1.460 metres
1.473	HWT_2 = 4 and HWT_2D = 10	1.461 to 1.485 metres
1.499	HWT_2 = 4 and HWT_2D = 11	1.486 to 1.510 metres
1.524	HWT_2 = 5 and HWT_2E = 0	1.511 to 1.536 metres
1.549	HWT_2 = 5 and HWT_2E = 1	1.537 to 1.561 metres
1.575	HWT_2 = 5 and HWT_2E = 2	1.562 to 1.587 metres
1.600	HWT_2 = 5 and HWT_2E = 3	1.588 to 1.612 metres
1.626	HWT_2 = 5 and HWT_2E = 4	1.613 to 1.637 metres
1.651	HWT_2 = 5 and HWT_2E = 5	1.638 to 1.663 metres
1.676	HWT_2 = 5 and HWT_2E = 6	1.664 to 1.688 metres
1.702	HWT_2 = 5 and HWT_2E = 7	1.689 to 1.714 metres
1.727	HWT_2 = 5 and HWT_2E = 8	1.715 to 1.739 metres
1.753	HWT_2 = 5 and HWT_2E = 9	1.740 to 1.764 metres
1.778	HWT_2 = 5 and HWT_2E = 10	1.765 to 1.790 metres
1.803	HWT_2 = 5 and HWT_2E = 11	1.791 to 1.815 metres
1.829	HWT_2 = 6 and HWT_2F = 0	1.816 to 1.841 metres
1.854	HWT_2 = 6 and HWT_2F = 1	1.842 to 1.866 metres
1.880	HWT_2 = 6 and HWT_2F = 2	1.867 to 1.891 metres
1.905	HWT_2 = 6 and HWT_2F = 3	1.892 to 1.917 metres
1.930	HWT_2 = 6 and HWT_2F = 4	1.918 to 1.942 metres
1.956	HWT_2 = 6 and HWT_2F = 5	1.943 to 1.968 metres

1.981	HWT_2 = 6 and HWT_2F = 6	1.969 to 1.993 metres
2.007	HWT_2 = 6 and HWT_2F = 7	1.994 to 2.018 metres
2.032	HWT_2 = 6 and HWT_2F = 8	2.019 to 2.044 metres
2.057	HWT_2 = 6 and HWT_2F = 9	2.045 to 2.069 metres
2.083	HWT_2 = 6 and HWT_2F = 10	2.070 to 2.095 metres
2.108	HWT_2 = 6 and HWT_2F = 11	2.096 to 2.120 metres
2.134	HWT_2 = 7	2.121 metres or taller

## 2 ) Weight (kilograms - grouped)

**Variable name:** HWTGWTK

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

**Description:** The following variable describes the weight of the respondent in kilograms.

**Note:** Some values have been grouped as specified below.

### Temporary Reformat

Value	Condition(s)	Description	Notes
<b>HWTA</b>			
HWTA_Q3 x .45	HW_N4 = 1	Weight is in pounds, convert to kilograms	
HWTA_Q3	HW_N4 = 2	Weight already in kilograms	

### Specifications

Value	Condition(s)	Description	Notes
NS	(HWT_3 = DK, R or NS)	Respondent did not answer (don't know, refusal, not stated)	
999.99	(HWT_3 = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
27	DHH_SEX = 1 and DHH_AGE => 12 and DHH_AGE <=14 and HWTDWTK <= 27	Male 12-14 < = 27	
HWT_3	HWT_N4 = 2	Weight in Kg.	
29	DHH_SEX = 2 and DHH_AGE => 12 and DHH_AGE <=14 and HWTDWTK <= 29	Female 12-14 < = 29	
HWT_3 x .45	HWT_N4 = 1	Weight in Kg., converted from Lbs.	
40	DHH_SEX = 2 and DHH_AGE => 15 and HWTDWTK <= 40	Female >15 < = 40	
41	DHH_SEX = 1 and DHH_AGE => 15 and DHH_AGE <=19 and HWTDWTK <= 41	Male 15-19 < = 41	
50	DHH_SEX = 1 and DHH_AGE => 20 and HWTDWTK <= 50	Male =>20 <=50	

86	DHH_SEX = 2 and DHH_AGE => 12 and DHH_AGE <= 14 and HWTDWTK => 86	Female 12-14 = >86
106	DHH_SEX = 1 and DHH_AGE => 12 and DHH_AGE <=14 and HWTDWTK => 106	Male 12-14 = >106
113	DHH_SEX = 2 and DHH_AGE => 15 and HWTDWTK => 113	Female > 15 = >113
130	DHH_SEX = 1 and DHH_AGE => 15 and DHH_AGE <= 19 and HWTDWTK >= 130	Male 15-19 = >130
137	DHH_SEX = 1 and DHH_AGE => 20 and HWTDWTK => 137	Male = > 20 = >137

### 3 ) Body mass index - grouped

**Variable name:** HWTGBMI

**Based on:** HWTGHTM, HWTGWTK

**Description:** The body mass index (BMI) is calculated for persons 20 to 64 years old, excluding pregnant women. BMI values have been regrouped to a minimum of 14 and a maximum of 58.

**Note:** BMI = WEIGHT (KG) / SQUARED HEIGHT (METRES)

Specifications			
Value	Condition(s)	Description	Notes
NA	DHH_AGE < 20 or > 64	Respondent less than 20 or more than 64 years old	
NA	MAM_037 = 1	Respondent is pregnant	
NS	(HWTDHMT = NS) or HWTGWTK = NS	Height and/or weight was not given	
HWTGWTK / (HWTDHMT x HWTDHMT)	(HWTDHMT >= .914 and <= 2.108) and (HWTGWTK > 0 and <= 260)	BMI calculated from height and weight values	(Rounded to one decimal place) Min: 14; Max: 58

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

**Variable name:** HWTGISW

**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.

**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 adult

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

Specifications			
Value	Condition(s)	Description	Notes
96	DDH_AGE < 18 or MAM_037 = 1	Population exclusions	NA

99	HWTDBMI = NS or 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	Obese - Class I, II, 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 DHH_SEX = 1 and 999.96 &gt; HWTDBMI &gt;= 26.02) or (AGET1 = 12 and DHH_SEX = 2 and 999.96 &gt; HWTDBMI &gt;= 26.67) or (AGET1 = 12.5 and DHH_SEX = 1 and 999.96 &gt; HWTDBMI &gt;= 26.43) or (AGET1 = 12.5 and DHH_SEX = 2 and 999.96 &gt; HWTDBMI &gt;= 27.24) or (AGET1 = 13 and DHH_SEX = 1 and 999.96 &gt; HWTDBMI &gt;= 26.84) or (AGET1 = 13 and DHH_SEX = 2 and 999.96 &gt; HWTDBMI &gt;= 27.76) or (AGET1 = 13.5 and DHH_SEX = 1 and 999.96 &gt; HWTDBMI &gt;= 27.25) or (AGET1 = 13.5 and DHH_SEX = 2 and 999.96 &gt; HWTDBMI &gt;= 28.20) or (AGET1 = 14 and DHH_SEX = 1 and 999.96 &gt; HWTDBMI &gt;= 27.63) or (AGET1 = 14 and DHH_SEX = 2 and 999.96 &gt; HWTDBMI &gt;= 28.57) or (AGET1 = 14.5 and DHH_SEX = 1 and 999.96 &gt; HWTDBMI &gt;= 27.98) or (AGET1 = 14.5 and DHH_SEX = 2 and 999.96 &gt; HWTDBMI &gt;= 28.87) or (AGET1 = 15 and DHH_SEX = 1 and 999.96 &gt; HWTDBMI &gt;= 28.30) or (AGET1 = 15 and DHH_SEX = 2 and 999.96 &gt; HWTDBMI &gt;= 29.11) or (AGET1 = 15.5 and DHH_SEX = 1 and 999.96 &gt; HWTDBMI &gt;= 28.60) or (AGET1 = 15.5 and DHH_SEX = 2 and 999.96 &gt; HWTDBMI &gt;= 29.29) or (AGET1 = 16 and DHH_SEX = 1 and 999.96 &gt; HWTDBMI &gt;= 28.88) or (AGET1 = 16 and DHH_SEX = 2 and 999.96 &gt; HWTDBMI &gt;= 29.43) or (AGET1 = 16.5 and DHH_SEX = 1 and 999.96 &gt; HWTDBMI &gt;= 29.14) or (AGET1 = 16.5 and DHH_SEX = 2 and 999.96 &gt; HWTDBMI &gt;= 29.56) or (AGET1 = 17 and DHH_SEX = 1 and 999.96 &gt; HWTDBMI &gt;= 29.41) or (AGET1 = 17 and DHH_SEX = 2 and 999.96 &gt; HWTDBMI &gt;= 29.69) or (AGET1 = 17.5 and DHH_SEX = 1 and 999.96 &gt; HWTDBMI &gt;= 29.70) or (AGET1 = 17.5 and DHH_SEX = 2 and 999.96 &gt; HWTDBMI &gt;= 29.84) or (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 DHH_SEX = 1 and (21.22 &lt;= HWTDBMI &lt; 26.02)) or (AGET1 = 12 and DHH_SEX = 2 and (21.68 &lt;= HWTDBMI &lt; 26.67)) or (AGET1 = 12.5 and DHH_SEX = 1 and (21.56 &lt;= HWTDBMI &lt; 26.43)) or (AGET1 = 12.5 and DHH_SEX = 2 and (22.14 &lt;= HWTDBMI &lt; 27.24)) or (AGET1 = 13 and DHH_SEX = 1 and (21.91 &lt;= HWTDBMI &lt; 26.84)) or (AGET1 = 13 and DHH_SEX = 2 and (22.58 &lt;= HWTDBMI &lt; 27.76)) or (AGET1 = 13.5 and DHH_SEX = 1 and (22.27 &lt;= HWTDBMI &lt; 27.25)) or (AGET1 = 13.5 and DHH_SEX = 2 and (22.98 &lt;= HWTDBMI &lt; 28.20)) or (AGET1 = 14 and DHH_SEX = 1 and (22.62 &lt;= HWTDBMI &lt; 27.63)) or (AGET1 = 14 and DHH_SEX = 2 and (23.34 &lt;= HWTDBMI &lt; 28.57)) or (AGET1 = 14.5 and DHH_SEX = 1 and (22.96 &lt;= HWTDBMI &lt; 27.98)) or (AGET1 = 14.5 and DHH_SEX = 2 and (23.66 &lt;= HWTDBMI &lt; 28.87)) or (AGET1 = 15 and DHH_SEX = 1 and (23.29 &lt;= HWTDBMI &lt; 28.30)) or (AGET1 = 15 and DHH_SEX = 2 and (23.94 &lt;= HWTDBMI &lt; 29.11)) or (AGET1 = 15.5 and DHH_SEX = 1 and (23.60 &lt;= HWTDBMI &lt; 28.60)) or (AGET1 = 15.5 and DHH_SEX = 2 and (24.17 &lt;= HWTDBMI &lt; 29.29)) or (AGET1 = 16 and DHH_SEX = 1 and (23.90 &lt;= HWTDBMI &lt; 28.88)) or (AGET1 = 16 and DHH_SEX = 2 and (24.37 &lt;= HWTDBMI &lt; 29.43)) or (AGET1 = 16.5 and DHH_SEX = 1 and (24.19 &lt;= HWTDBMI &lt; 29.14)) or (AGET1 = 16.5 and DHH_SEX = 2 and (24.54 &lt;= HWTDBMI &lt; 29.56)) or (AGET1 = 17 and DHH_SEX = 1 and (24.46 &lt;= HWTDBMI &lt; 29.41)) or (AGET1 = 17 and DHH_SEX = 2 and (24.70 &lt;= HWTDBMI &lt; 29.69)) or (AGET1 = 17.5 and DHH_SEX = 1 and (24.73 &lt;= HWTDBMI &lt; 29.70)) or (AGET1 = 17.5 and DHH_SEX = 2 and (24.85 &lt;= HWTDBMI &lt; 29.84)) or (AGET1 = 18 and</p>	Overweight
---	--	------------

	DHH_SEX = 1 and (25.00 <= HWTDBMI < 30.00)) or (AGET1 = 18 and DHH_SEX = 2 and (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 (9 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 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 IDG_02 = 1) or (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 ) Any Illicit Drug Use - Lifetime (Including "One Time Only" Use of Cannabis)

**Variable name:** IDGFLA

**Based on:** IDGFLCA, IDGFLCO, IDGFLAM, IDGFLEX, IDGFLHA, IDGFLGL, IDGFLHE, IDGFLST

**Description:** This variable indicates whether respondents have ever used any of the drugs listed. 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	IDGFLCA = 1 or IDGFLCO = 1 or IDGFLAM = 1 or IDGFLEX = 1 or IDGFLHA = 1 or IDGFLGL = 1 or IDGFLHE = 1 or IDGFLST = 1	Has used at least 1 of 8 drugs if lifetime, including "one time only" use of cannabis	
2	IDGFLCA = 2 and IDGFLCO = 2 and IDGFLAM = 2 and IDGFLEX = 2 and IDGFLHA = 2 and IDGFLGL = 2 and IDGFLHE = 2 and IDGFLST = 2	Has never used drugs listed	
9	IDGFLCA = NS or IDGFLCO = NS or IDGFLAM = NS or IDGFLEX = NS or IDGFLHA = NS or IDGFLGL = NS or IDGFLHE = NS or IDGFLST = NS	At least one required question was not answered (don't know, refusal, not stated)	NS

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

**Variable name:** IDGFLAC

**Based on:** IDGFLCM, IDGFLCO, IDGFLAM, IDGFLEX, IDGFLHA, IDGFLGL, IDGFLHE, IDGFLST

**Description:** This variable indicates whether respondents have ever used any of the drugs listed. 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	IDGFLCM = 1 or IDGFLCO = 1 or IDGFLAM = 1 or IDGFLEX = 1 or IDGFLHA = 1 or IDGFLGL = 1 or IDGFLHE = 1 or IDGFLST = 1	Has used at least 1 of 8 drugs, excluding "one time only" use of cannabis	
2	IDGFLCM = 2 and IDGFLCO = 2 and IDGFLAM = 2 and IDGFLEX = 2 and IDGFLHA = 2 and IDGFLGL = 2 and IDGFLHE = 2 and IDGFLST = 2	Has never used drugs listed, excluding one time use of cannabis	
9	IDGFLCM = NS or IDGFLCO = NS or IDGFLAM = NS or IDGFLEX = NS or IDGFLHA = NS or IDGFLGL = NS or IDGFLHE = NS or IDGFLST = NS	At least one required question was not answered (don't know, refusal, not stated)	NS

## 6 ) 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 IDG_05 = 1 or IDG_08 = 1 or IDG_11 = 1 or IDG_14 = 1 or IDG_17 = 1 or IDG_20 = 1 or 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 (IDG_05 = 2, NA) and (IDG_08 = 2, NA) and (IDG_11 = 2, NA) and (IDG_14 = 2, NA) and (IDG_17 = 2, NA) and (IDG_20 = 2, NA) and (IDG_23 = 2, NA)	Has not used drugs listed in the past 12 months	
9	(IDG_02 = DK, R, NS) or (IDG_05 = DK, R, NS) or (IDG_08 = DK, R, NS) or (IDG_11 = DK, R, NS) or (IDG_14 = DK, R, NS) or (IDG_17 = DK, R, NS) or (IDG_20 = DK, R, NS) or (IDG_23 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS

## 7 ) 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 IDG_05 = 1 or IDG_08 = 1 or IDG_11 = 1 or IDG_14 = 1 or IDG_17 = 1 or IDG_20 = 1 or 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 (IDG_05 = 2, NA) and (IDG_08 = 2, NA) and (IDG_11 = 2, NA) and (IDG_14 = 2, NA) and (IDG_17 = 2, NA) and (IDG_20 = 2, NA) and (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 (IDG_05 = DK, R, NS) or (IDG_08 = DK, R, NS) or (IDG_11 = DK, R, NS) or (IDG_14 = DK, R, NS) or (IDG_17 = DK, R, NS) or (IDG_20 = DK, R, NS) or (IDG_23 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
---	---	--	----

## 8) 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 (IDG_6B1 = DK, R, NS) or (IDG_6B2 = DK, R, NS) or (IDG_26C = DK, R, NS) or (IDG_26D = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
(IDG_26A + IDG_6B1 + IDG_6B2 + IDG_26C + IDG_26D) / 5	(0 <= IDG_26A <= 10) and (0 <= IDG_6B1 <= 10) and (0 <= IDG_6B2 <= 10) and (0 <= IDG_26C <= 10) and (0 <= IDG_26D <= 10)	Interference = mean of all 5 items. Answered all 5 questions	(Rounded to one decimal place) (min: 0.0; max: 10.0)
(IDG_26A + IDG_6B2 + IDG_26C + IDG_26D) / 4	IDG_6B1 = 11 and (0 <= IDG_6B2 <= 10) and (0 <= IDG_26A <= 10) and (0 <= IDG_26C <= 10) and (0 <= IDG_26D <= 10)	Interference = mean of 4 items that applied IDG_6B1 was not applicable	(Rounded to one decimal place) (min: 0.0; max: 10.0)
(IDG_26A + IDG_6B1 + IDG_26C + IDG_26D) / 4	(0 <= IDG_6B1 <= 10) and IDG_6B2 = 11 and (0 <= IDG_26A <= 10) and (0 <= IDG_26C <= 10) and (0 <= IDG_26D <= 10)	Interference = mean of 4 items that applied IDG_6B2 was not applicable	(Rounded to one decimal place) (min: 0.0; max: 10.0)
(IDG_26A + IDG_26C + IDG_26D) / 3	IDG_6B1 = 11 and IDG_6B2 = 11 and (0 <= IDG_26A <= 10) and (0 <= IDG_26C <= 10) and (0 <= IDG_26D <= 10)	Interference = mean of 3 items that applied IDG_6B1 and IDG_6B2 were not applicable	(Rounded to one decimal place) (min: 0.0; max: 10.0)

## 9) 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 (4 <= IDG_6B1 <= 10) or (4 <= IDG_6B2 <= 10) or (4 <= IDG_26C <= 10) or (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 [(0 <= IDG_6B1 <= 3) or IDG_6B1 = 11] and [(0 <= IDG_6B2 <= 3) or IDG_6B2 = 11] and (0 <= IDG_26C <= 3) and (0 <= IDG_26D <= 3)	Drug use did not interfere significantly with normal routine, occupation (academic) functioning or social activities or relationships in the past 12 months	
9	(IDG_26A = DK, R, NS) or (IDG_6B1 = DK, R, NS) or (IDG_6B2 = DK, R, NS) or (IDG_26C = DK, R, NS) or (IDG_26D = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS

## Income (7 DVs)

### TEMPORARY VARIABLE

Household income ratio

Variable name: INCTRAT

Based on: INC\_3, GEO\_PRV, DHHDSZ, GEOTPSZ

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 two 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 2010 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 2011, at the time the data was to be processed, 2010 was the most recent year for which low income cut-offs could be provided.

A low income cut-off was linked to all respondents (INCLIC). This cut-off corresponded to the size of the respondent's household (DHHDSZ) and the size of the community in which the respondent lives (GEOTPSZ). Therefore, respondents were assigned one of the 35 possible combinations that exist (7 household size groups times 5 community size groups). For instance, the INCLIC 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 29,652.

Step 2: Individual ratios of household income to the low income cut-off are calculated for each household within each household and community size using the DHHDSZ household size variable and the GEOTPSZ community size variable. Ratios are calculated by dividing household income (INCTINC) by the corresponding low income cut-off (INCLIC).

Starting with the 2011 data, INC\_3 is imputed and INCTINC is now based on INC\_3 only. Imputed values are now available to users. Prior to 2011, INCTINC was based on INC\_3, INCDHH and imputed values to account for missing values in INCDHH. Imputation was only done for INCTINC and imputed values for missing INCDHH were not available to users.

A flag (INCFIMP4) identifies which values were imputed.

Ref.: Low income cut-offs (INCLIC) were taken from : Statistics Canada, "Income Research Paper Series", Low income lines, 2009-2010, Table 2: Low income cut-offs (1992 base) before tax. Catalogue no. 75F0002M No. 2, June 2011.

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>GEOTPSZ</b>			
1	GEODUR = 0	Rural Area	
2	Size of the population centre (or CMA) < 30,000	Population Centre Less than 30, 000 people	
3	30,000 <= Size of the population centre (or CMA) < 100,000	Population Centre 30,000 to 99,999 people	
4	100,000 <= Size of the population centre (or CMA) < 500,000	Population Centre 100,000 to 499,999 people	
5	Size of the population centre (or CMA) >= 500,000	Population Centre 500,000 people or more	
<b>INCTINC</b>			
99999996	GEO_PRV = 60, 61, 62	Residents of Territories excluded	
99999999	INC_3=99999999	None of the income questions was stated	
0	INC_3<=0	No income or income loss	Value of 0 assigned when income loss reported
INC_3	0 < INC_3 < 99999996	Specific and positive household income	
<b>INCLIC</b>			
15 583	DHHDSZ = 1 and GEOTPSZ = 1	Low income cut-offs when the number of persons in household = 1 and population size group = rural area	

17 729	DHHDHSZ = 1 and GEOTPSZ = 2	Low income cut-offs when the number of persons in household = 1 and population size group = urban area - less than 30,000 people
19 375	DHHDHSZ = 1 and GEOTPSZ = 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
19 400	DHHDHSZ = 2 and GEOTPSZ = 1	Low income cut-offs when the number of persons in household = 2 and population size group = rural area
19 496	DHHDHSZ = 1 and GEOTPSZ = 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
22 070	DHHDHSZ = 2 and GEOTPSZ = 2	Low income cut-offs when the number of persons in household = 2 and population size group = urban area - less than 30,000 people
22 637	DHHDHSZ = 1 and GEOTPSZ = 5	Low income cut-offs when the number of persons in household = 1 and population size group = urban area - 500,000 people or more
23 849	DHHDHSZ = 3 and GEOTPSZ = 1	Low income cut-offs when the number of persons in household = 3 and population size group = rural area
24 120	DHHDHSZ = 2 and GEOTPSZ = 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
24 269	DHHDHSZ = 2 and GEOTPSZ = 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
27 132	DHHDHSZ = 3 and GEOTPSZ = 2	Low income cut-offs when the number of persons in household = 3 and population size group = urban area - less than 30,000 people
28 182	DHHDHSZ = 2 and GEOTPSZ = 5	Low income cut-offs when the number of persons in household = 2 and population size group = urban area - 500,000 people or more
28 957	DHHDHSZ = 4 and GEOTPSZ = 1	Low income cut-offs when the number of persons in household = 4 and population size group = rural area
29 652	DHHDHSZ = 3 and GEOTPSZ = 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
29 836	DHHDHSZ = 3 and GEOTPSZ = 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
32 842	DHHDHSZ = 5 and GEOTPSZ = 1	Low income cut-offs when the number of persons in household = 5 and population size group = rural area
32 943	DHHDHSZ = 4 and GEOTPSZ = 2	Low income cut-offs when the number of persons in household = 4 and population size group = urban area - less than 30,000 people
34 646	DHHDHSZ = 3 and GEOTPSZ = 5	Low income cut-offs when the number of persons in household = 3 and population size group = urban area - 500,000 people or more
36 003	DHHDHSZ = 4 and GEOTPSZ = 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
36 226	DHHDHSZ = 4 and GEOTPSZ = 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
37 041	DHHDHSZ = 6 and GEOTPSZ = 1	Low income cut-offs when the number of persons in household = 6 and population size group = rural area
37 363	DHHDHSZ = 5 and GEOTPSZ = 2	Low income cut-offs when the number of persons in household = 5 and population size group = urban area - less than 30,000 people
40 833	DHHDHSZ = 5 and GEOTPSZ = 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
41 086	DHHDHSZ = 5 and GEOTPSZ = 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



41 240	DHHDHSZ >= 7 and GEOTPSZ = 1	Low income cut-offs when the number of persons in household >= 7 and population size group = rural area	
42 065	DHHDHSZ = 4 and GEOTPSZ = 5	Low income cut-offs when the number of persons in household = 4 and population size group = urban area - 500,000 people or more	
42 140	DHHDHSZ = 6 and GEOTPSZ = 2	Low income cut-offs when the number of persons in household = 6 and population size group = urban area - less than 30,000 people	
46 054	DHHDHSZ = 6 and GEOTPSZ = 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	
46 339	DHHDHSZ = 6 and GEOTPSZ = 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	
46 916	DHHDHSZ >= 7 and GEOTPSZ = 2	Low income cut-offs when the number of persons in household >= 7 and population size group = urban area - less than 30,000 people	
47 710	DHHDHSZ = 5 and GEOTPSZ = 5	Low income cut-offs when the number of persons in household = 5 and population size group = urban area - 500,000 people or more	
51 274	DHHDHSZ >= 7 and GEOTPSZ = 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	
51 591	DHHDHSZ >= 7 and GEOTPSZ = 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	
53 808	DHHDHSZ = 6 and GEOTPSZ = 5	Low income cut-offs when the number of persons in household = 6 and population size group = urban area - 500,000 people or more	
59 907	DHHDHSZ >= 7 and GEOTPSZ = 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 \$9,000,000	9 decimals

## 1 ) Total household income - main source - Grouped

**Variable name:** INCG2

**Based on:** INC\_2

**Description:** This variable groups the main source of total household income into four categories.

**Note:** Derived variable specifications were updated in 2009 due to changes in INC\_2 answer categories.

Specifications			
Value	Condition(s)	Description	Notes
9	(INC_2 = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
1	(INC_2 = 1, 2)	Wages/salaries or self-employment	
2	(INC_2 = 4, 5, 10)	Employment insurance or worker's compensation or social assistance/welfare	

3	(INC_2 = 6, 7, 8, 9)	Benefits from Canada or Quebec Pension Plan or job related retirement pensions, superannuation and annuities or RRSP/RRIF of Old Age Security and Guaranteed Income Supplement
4	(INC_2 = 3, 11, 12, 13, 14, 15)	Dividends/interest or child tax benefit or child support or alimony or other or no income

## 2 ) Main source of personal income - Grouped

**Variable name:** INCG7

**Based on:** INC\_7

**Description:** This variable groups the main source of personal income into four categories.

Specifications			
Value	Condition(s)	Description	Notes
9	(INC_7 = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
1	(INC_7 = 1, 2)	Wages/salaries or self-employment	
2	(INC_7 = 4, 5, 10)	Employment insurance or worker's compensation or social assistance/welfare	
3	(INC_7 = 6, 7, 8, 9)	Benefits from Canada or Quebec Pension Plan or job related retirement pensions, superannuation and annuities or RRSP/RRIF of Old Age Security and Guaranteed Income Supplement	
4	(INC_7 = 3, 11, 12, 13, 14, 15)	Dividends/interest or child tax benefit or child support or alimony or other or no income	

## 3 ) Total Household Income - All Sources - Grouped

**Variable name:** INCGHH

**Based on:** INCDHH

**Description:** This variable groups the total household income from all sources.

**Note:** Derived variable specifications were updated in 2009 due to changes in INCDHH answer categories.

Specifications			
Value	Condition(s)	Description	Notes
9	(INCDHH = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
1	INCDHH in (1, 2, 3, 4, 5)	No income or less than \$20,000	
2	INCDHH in (6, 7)	\$20,000 to \$39,999	
3	INCDHH in (8, 9)	\$40,000 to \$59,999	
4	INCDHH in (10, 11)	\$60,000 to \$79,999	
5	INCDHH in (12, 13, 14, 15)	\$80,000 or more	

#### 4 ) Personal Income - All Sources - Grouped

**Variable name:** INCGPER

**Based on:** INCDPER

**Description:** This variable indicates the respondent's personal income from all sources.

Specifications			
Value	Condition(s)	Description	Notes
99	(INCDPER = = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
96	INCDPER = 96	Population exclusions	NA
1	INCDPER = 1	No income	
2	INCDPER = (2, 3, 4, or 5)	Less than \$20,000	
3	INCDPER = 6 or 7	\$20,000 to \$39,999	
4	INCDPER = 8 or 9	\$40,000 to \$59,999	
5	INCDPER = 10 or 11	\$60,000 to \$79,999	
6	INCDPER = (12, 13, or 14)	\$80,000 or more	

#### 5 ) 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

## 6 ) 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

## 7) 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 117 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 (11 DVs)

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

### 1 ) Number of injuries in past 12 months

**Variable name:** INJG02

**Based on:** INJ\_02

**Description:** The number of injuries in past 12 months. This is a regrouping of INJ\_02.

Specifications			
Value	Condition(s)	Description	Notes
1	INJ_02 = 1	Respondent had 1 injury in the past 12 months.	
2	INJ_02 = 2	Respondent had 2 injuries in the past 12 months.	
3	3=<INJ_02=<5	Respondent had 3 to 5 injuries in the past 12 months.	
4	INJ_02>=6	Respondent had 6 or more injuries in the past 12 months.	
6	96=<INJ_02=<98	Not stated	
9	INJ_02 = 99	Not applicable	

### 2 ) Most Serious Injury

**Variable name:** INJG05

**Based on:** INJ\_05

**Description:** This variable groups the responses of most serious injury.

Specifications			
Value	Condition(s)	Description	Notes
NA	INJ_05 = NA	Not applicable	
NS	INJ_05 = DK, R or NS	Respondent did not answer (don't know, refusal, not specified)	
1	INJ_05 = 1	Multiple injuries	
2	INJ_05 = 2	Broken/fractured bones	
3	INJ_05 = 3, 9	Burn/Scald/Chemical/ Poisoning	
4	INJ_05 = 4	Dislocation	
5	INJ_05 = 5	Sprain/strain	

6	INJ_05 = 6	Cut/puncture/bite
7	INJ_05 = 7	Scrape/bruise/blister
8	INJ_05 = 8, 10	Concussion/internal injury
9	INJ_05 = 11	Other

### 3 ) Most Serious Injury - body part affected - Grouped

**Variable name:** INJG06

**Based on:** INJ\_06

**Description:** This variable groups the most serious injury by body part affected.

Specifications			
Value	Condition(s)	Description	Notes
NA	INJ_06 = NA	Not applicable	
NS	INJ_06 = DK, R or NS	Respondent did not answer (don't know, refusal, not specified)	
1	INJ_06 = 1	Multiple sites	
2	INJ_06 = 2, 3, 4	Eyes/head/neck	
3	INJ_06 = 5	Shoulder/upper arm	
4	INJ_06 = 6	Elbow/lower arm	
5	(INJ_06 = 7, 8)	Wrist or hand	
6	(INJ_06 = 9, 10)	Hip/thigh	
7	INJ_06 = 11	Knee/lower leg	
8	INJ_06 = 12	Ankle/foot	
9	(INJ_06 = 13, 14)	Upper or lower back/upper or lower spine	
10	(INJ_06 = 15, 16)	Chest/abdomen/pelvis (excluding back and spine)	

### 4 ) Most Serious Injury - Place of occurrence - Grouped

**Variable name:** INJG08

**Based on:** INJ\_08

**Description:** This variable groups the responses of most serious injury by place of occurrence.

Specifications			
Value	Condition(s)	Description	Notes
96	INJ_01 = 2	Respondent did not suffer an injury	NA
99	(INJ_08 = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
1	INJ_08 = 1	In a home or its surrounding area	
2	(INJ_08 = 2, 3, 6)	Residential institution/school, college, university/other institution	

3	INJ_08 = 4	Sports or athletic area in school, college, university
4	INJ_08 = 5	Other sports or athletic area
5	INJ_08 = 7	Street, highway, sidewalk
6	INJ_08 = 8	Commercial area
7	(INJ_08 = 9, 10)	Industrial or construction area or farm
8	(INJ_08 = 11, 12)	Other (includes countryside, forest, lake, ocean, mountains, prairie, etc.)

## 5 ) Most Serious Injury - Activity when injured - Grouped

**Variable name:** INJG092

**Based on:** INJ\_09

**Description:** This variable groups the responses of most serious injury by activity when injured.

**Note:** Due to new INJ\_09 answer categories in 2009, groupings have been modified. INJG092 is similar to previous INJG09 but not identical.

Specifications			
Value	Condition(s)	Description	Notes
96	INJ_01 = 2	Respondent did not suffer an injury	NA
99	INJ_09 in (97, 98, 99)	Required question was not answered (don't know, refusal, not stated)	NS
1	INJ_09 = 1	Sport or physical exercise	
2	INJ_09 = 2	Leisure or hobby	
3	INJ_09 = 3	Working at a job or business	
4	INJ_09 in (7,8)	Driver or passenger in/on road or off road motor vehicle	
5	INJ_09 = 4	Household chores, outdoor yard maintenance, home renovations or other unpaid work	
6	INJ_09 in (6,9)	Going up and down stairs or walking	
7	INJ_09 in (5,10)	Other, including sleeping, eating, personal care	

## 6 ) Most Serious Injury - How fell - Grouped

**Variable name:** INJG11A

**Based on:** INJ\_11A

**Description:** This variable groups the responses of most serious injury by how the respondent fell.

**Note:** Similar to INJG11 produced previous to 2009.

Specifications			
Value	Condition(s)	Description	Notes
96	INJ_01 = 2	Respondent did not suffer an injury	NA



96	INJ_10 = 2	Respondent did not suffer an injury as a result of a fall	NA
99	INJ_11A in (97, 98, 99)	Required question was not answered (don't know, refusal, not stated)	NS
1	INJ_11A = 1	While skating, skiing, or snowboarding	
2	INJ_11A = 2	While practicing other sports	
3	INJ_11A in (3, 6, 7)	Going up or down stairs/steps/from furniture/from elevated position	
4	INJ_11A = 4	Slip, trip, stumble or loss of balance on ice and snow	
5	INJ_11A = 5	Slip, trip, stumble or loss of balance on any other surface	
6	INJ_11A in (8, 9)	Due to health problems (e.g. faint, weakness, dizziness) / Other	

## 7 ) Most Serious Injury - Treated in clinic - Grouped

**Variable name:** INJG14C

**Based on:** INJ\_14C, INJ\_14L, INJ\_14F

**Description:** This variable groups the responses according to whether the most serious injury was treated in a clinic.

**Note:** Answer categories changed in 2009, therefore 'clinic' is not defined exactly as it was previous to 2009.

Specifications			
Value	Condition(s)	Description	Notes
6	INJ_14C = 6	Respondent did not suffer an injury or did not receive medical attention within 48 hours.	NA
9	INJ_14C in (7, 8, 9) or INJ_14L in (7, 8, 9) or INJ_14F in (7, 8, 9)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	INJ_14C = 1 or INJ_14L = 1 or INJ_14F = 1	Most serious injury treated in: a hospital outpatient clinic, community health centre or CLSC, or other clinic (walk-in clinic, appointment, sports)	
2	INJ_14C = 2 or INJ_14L = 2 or INJ_14F = 2	Most serious injury not treated in: a hospital outpatient clinic, community health centre or CLSC, or other clinic (walk-in clinic, appointment, sports)	

## 8 ) Most Serious Injury - Other method of treatment - Grouped

**Variable name:** INJG14J2

**Based on:** INJ\_14M, INJ\_14N, INJ\_14K

**Description:** This variable groups the responses according to whether the most serious injury was treated with a telephone consultation or in some other place.

**Note:** This variable is similar to INJG14J produced previous to 2009, but not identical due to new answer categories.

Specifications			
Value	Condition(s)	Description	Notes
6	INJ_14M = 6	Respondent did not suffer an injury or did not	NA

receive medical attention within 48 hours

9	INJ_14M in ( 7, 8, 9) or INJ_14N in ( 7, 8, 9) or INJ_14K in (7, 8, 9)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	INJ_14M = 1 or INJ_14N = 1 or INJ_14K = 1	Most serious injury treated at physiotherapist, massage therapist, chiropractor's office, or other place	
2	INJ_14M = 2 or INJ_14N = 2 or INJ_14K = 2	Most serious injury not treated at physiotherapist, massage therapist, chiropractor's office, or other place	

## 9 ) Other injuries - number (G)

**Variable name:** INJG17

**Based on:** INJ\_17

**Description:** This variable groups the responses of number of other injuries.

Specifications			
Value	Condition(s)	Description	Notes
6	INJ_17 = 96	Not Applicable	
7	INJ_17 = 97	Don't Know	
9	INJ_17 = 99	Not stated	
1	INJ_17 = 1	1 injury	
2	2=<INJ_17=<5	2 to 5 injuries	
3	6=<INJ_17	6 or more injuries	

## 10 ) Cause of Injury - Grouped

**Variable name:** INJGCAU

**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 past 12 months before the interview have been excluded from the population.

Specifications			
Value	Condition(s)	Description	Notes
96	INJ_01= 2	Population exclusion	NA
99	(INJ_10 = 2, DK, R, NS) and (INJ_12 = DK, R, NS)	At least one required question was not answered (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 by object(s)
5	INJ_12 = 4	Accidental contact - sharp object, tool, machine
6	INJ_12 = 8	Overexertion or strenuous movement
7	INJ_12 = 5 or INJ_12 = 6 or INJ_12 = 7 or INJ_12 = 9 or INJ_12 = 10	Other, including: - smoke, fire, flames - accidental contact with hot object, liquid or gas - extreme weather or natural disaster physical assault

## 11 ) 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
9	(INJ_01=DK, R, NS) or (INJ_16=DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
0	INJ_01=2 and INJ_16=2	No injuries	
1	INJ_01=1 and INJ_16=2	Activity-limiting injury only	
2	INJ_01=2 and INJ_16=1	Treated (non-activity limiting) injury only	
3	INJ_01=1 and INJ_16=1	Both activity-limiting and treated (non-activity limiting) injuries	

## Workplace injury (1 DV)

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 ) Occupation group (SOC) where injury occurred - (G)

**Variable name:** INWGSOC

**Based on:** INWDOCG

**Description:** This variable groups the occupation classification of the respondent where the injury occurred.

Specifications			
Value	Condition(s)	Description	Notes
6	INWDOCG = 96	Population exclusions	NA
9	INWDOCG in (95, 99)	Respondent refused, did not know, or did not state their occupation or their occupation was uncodable	NS
1	INWDOCG in (01, 03, 04, 05, 06)	Occupations relating to Management, Natural and Applied Sciences, Health, Social Sciences, Education, Religion, Art, Culture and Recreation	
2	INWDOCG = 02	Occupations relating to Business, Finance, Administration	
3	INWDOCG = 07	Occupations relating to Sales and Service	
4	INWDOCG = 08	Occupations relating to Trades, Transport and Equipment Operator	
5	INWDOCG in (09, 10)	Occupations Unique to Primary Industry, Processing, Manufacturing and Utilities	

## Labour force (5 DVs)

### 1 ) Employment status - 12 months - (G)

**Variable name:** LBSG31

**Based on:** LBS\_31

**Description:** This variable groups the employment status of the respondent.

Specifications			
Value	Condition(s)	Description	Notes
6	LBS_31 = 6	Not Applicable	
9	LBS_31 = 9	Not Stated	
1	LBS_31 = 1	Employee	
2	2=<LBS_31=<3	Self-employed	

### 2 ) Total usual hours worked - current jobs - (D, G)

**Variable name:** LBSGHPW

**Based on:** LBSDHPW

**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	LBSDHPW = 996	Population exclusions	NA
999	LBSDHPW = 999	Population exclusions	NA
LBSDHPW	LBSDHPW < 99	Number of hours worked per week	
99	LBSDHPW >= 99	99 hours or more	

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

**Variable name:** LBDPFT

**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 (don't know, refusal, not stated)	NS
1	LBSDHPW >= 30	Full-time	
2	LBSDHPW < 30	Part-time	

#### 4 ) 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 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

#### 5 ) Occupation group - (G)

**Variable name:** LBSGSOC

**Based on:** LBSDOCG

**Description:** This variable groups the occupation classification of the respondent.

Specifications			
Value	Condition(s)	Description	Notes
6	LBSDOCG = 96	Respondent did not work at a job or business in the past year or age was out of range	
9	LBSDOCG = 95, 99	Respondent refused, did not know, or did not state their occupation or their occupation was uncodable	
1	LBSDOCG = '01', '03', '04', '05', '06'	Occupations relating to Management, Natural and Applied Sciences, Health, Social Sciences, Education, Religion, Art, Culture and Recreation	
2	LBSDOCG = '02'	Occupations relating to Business, Finance, Administration	
3	LBSDOCG = '07'	Occupations relating to Sales and Service	
4	LBSDOCG = '08'	Occupations relating to Trades, Transport and Equipment Operator	

5	LBSDOCG = '09', '10'	Occupations Unique to Primary Industry, Processing, Manufacturing and Utilities
---	----------------------	--

## Loss of productivity (10 DVs)

### 1 ) Reason for not working - (G)

**Variable name:** LOPG020

**Based on:** LOP\_020

**Description:** This variables indicates the main reason for not working in the past three months.

Specifications			
Value	Condition(s)	Description	Notes
96	LOP_020 = 96	Population exclusions	NA
99	LOP_020 in (97,98,99)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	LOP_020 = 1	Chronic physical or mental health condition diagnosed by a health professional	
2	LOP_020 = 2	Own injury such as broken bone, bad cut, burn or sprain	
3	LOP_020 in (3, 4)	Own infectious disease such as a cold, flu or stomach flu or other reason related to physical or mental health	
4	LOP_020 in (5, 6, 7)	Caring for own children, caring for elderly relative(s), or maternity, paternity or parental leave	
5	LOP_020 = 8	Education, training or school	
6	LOP_020 in (9, 10)	Temporary lay-off or strike or lockout	
7	LOP_020 = 11	Retired	
8	LOP_020 = 12	Other	

### 2 ) Number of work days lost due to chronic condition - (G)

**Variable name:** LOPG040

**Based on:** LOP\_040

**Description:** This variables indicates the number of work days missed because of a chronic condition.

Specifications			
Value	Condition(s)	Description	Notes
96	LOP_040 = 96	Population exclusions	NA
99	LOP_040 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
LOP_040	LOP_040 < 31	Number of work days missed because of a chronic condition	
31	LOP_040 >= 31	31 days or more	



**3 ) Chronic condition - (G)****Variable name:** LOPG050**Based on:** LOP\_050**Description:** This variable indicates the chronic health condition that explains the missed days at work.

Specifications			
Value	Condition(s)	Description	Notes
96	LOP_050 = 96	Population exclusions	NA
99	LOP_050 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	LOP_050 = 1	Arthritis (such as rheumatoid arthritis, osteoarthritis, lupus or gout)	
2	LOP_050 = 3	Cardiovascular disease (including stroke and hypertension)	
3	LOP_050 = 5	Asthma	
4	LOP_050 = 6	Chronic bronchitis, emphysema or chronic obstructive pulmonary disease (COPD)	
5	LOP_050 = 7	Diabetes	
6	LOP_050 = 8	Migraine	
7	LOP_050 = 9	Back problems	
8	LOP_050 = 10	Cancer	
9	LOP_050 = 13	Digestive diseases (such as celiac disease, irritable bowel syndrome, stomach ulcers)	
10	LOP_050 = 14	Fibromyalgia, chronic fatigue syndrome or multiple chemical sensitivities	
11	LOP_050 in (2, 4, 11, 12, 15)	Osteoporosis, kidney disease, mental illnesses (such as depression bipolar disorder, mania or schizophrenia), neurological diseases (such as alzheimer, dementia, parkinson's disease, multiple sclerosis, spina bifida), or other	

**4 ) Number of work days missed due to injury - (G)****Variable name:** LOPG070**Based on:** LOP\_070**Description:** This variables indicates the number of work days missed because of an injury.

Specifications			
Value	Condition(s)	Description	Notes
96	LOP_070 = 96	Population exclusions	NA
99	LOP_070 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
LOP_070	LOP_070 < 31	Number of work days missed because of an injury	

31	LOP_070 >= 31	31 days or more
----	---------------	-----------------

## 5) Number of work days missed due to cold - (G)

**Variable name:** LOPG082

**Based on:** LOP\_082

**Description:** This variables indicates the number of work days missed because of a cold.

Specifications			
Value	Condition(s)	Description	Notes
96	LOP_082 = 96	Population exclusions	NA
99	LOP_082 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
LOP_082	LOP_082 < 11	Number of work days missed because of a cold	
11	LOP_082 >= 11	11 days or more	

## 6) Number of work days missed due to flu or influenza - (G)

**Variable name:** LOPG083

**Based on:** LOP\_083

**Description:** This variables indicates the number of work days missed because of a flu or influenza.

Specifications			
Value	Condition(s)	Description	Notes
96	LOP_083 = 96	Population exclusions	NA
99	LOP_083 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
LOP_083	LOP_083 < 11	Number of work days missed because of a flu or influenza	
11	LOP_083 >= 11	11 days or more	

## 7) Number of work days missed due to stomach flu - (G)

**Variable name:** LOPG084

**Based on:** LOP\_084

**Description:** This variables indicates the number of work days missed because of a stomach flu.

Specifications			
Value	Condition(s)	Description	Notes
96	LOP_084 = 96	Population exclusions	NA

99	LOP_084 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
LOP_084	LOP_084 < 11	Number of work days missed because because of a stomach flu	
11	LOP_084 >= 11	11 days or more	

## 8 ) No. of work days missed due to respiratory infection - (G)

**Variable name:** LOPG085

**Based on:** LOP\_085

**Description:** This variables indicates the number of work days missed because of a respiratory infection.

Specifications			
Value	Condition(s)	Description	Notes
96	LOP_085 = 96	Population exclusions	NA
99	LOP_085 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
LOP_085	LOP_085 < 11	Number of work days missed because of a respiratory infection	
11	LOP_085 >= 11	11 days or more	

## 9 ) No. of work days missed due to other infect. disease - (G)

**Variable name:** LOPG086

**Based on:** LOP\_086

**Description:** This variables indicates the number of work days missed because of other infectious disease.

Specifications			
Value	Condition(s)	Description	Notes
96	LOP_086 = 96	Population exclusions	NA
99	LOP_086 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
LOP_086	LOP_086 < 11	Number of work days missed because of other infectious disease	
11	LOP_086 >= 11	11 days or more	

## 10 ) Work days missed related to physical or mental hlth - (G)

**Variable name:** LOPG100

**Based on:** LOP\_100

**Description:** This variables indicates the number of work days missed because of another reason related to the respondent's physical or mental health.

## Specifications

Value	Condition(s)	Description	Notes
96	LOP_100 = 96	Population exclusions	NA
99	LOP_100 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
LOP_100	LOP_100 < 21	Number of work days missed related to physical or mental health	
21	LOP_100 >= 21	21 days or more	

## Mastery (1 DV)

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>MAST601</b>			
MAS_601	MAS_601 > 5	Carry through cases of RF, DK, NS	
(MAS_601 – 1)	MAS_601 <= 5	Rescale the answers for questions	
<b>MAST602</b>			
MAS_602	MAS_602 > 5	Carry through cases of RF, DK, NS	
(MAS_602 – 1)	MAS_602 <= 5	Rescale the answers for questions	
<b>MAST603</b>			
MAS_603	MAS_603 > 5	Carry through cases of RF, DK, NS	
(MAS_603 – 1)	MAS_603 <= 5	Rescale the answers for questions	
<b>MAST604</b>			
MAS_604	MAS_604 > 5	Carry through cases of RF, DK, NS	
(MAS_604 – 1)	MAS_604 <= 5	Rescale the answers for questions	
<b>MAST605</b>			
MAS_605	MAS_605 > 5	Carry through cases of RF, DK, NS	
(MAS_605 – 1)	MAS_605 <= 5	Rescale the answers for questions	
<b>MAST606</b>			
MAS_606	MAS_606 > 5	Carry through cases of RF, DK, NS	
(4 – MAST606)	MAST606 <= 4	Invert scale for rescaled questions	
(MAS_606 – 1)	MAS_606 <= 5	Rescale the answers for questions	
<b>MAST607</b>			
(4 – MAST607)	MAST607 <= 4	Invert scale for rescaled questions	
MAS_607	MAS_607 > 5	Carry through cases of RF, DK, NS	
(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	DOMAS = 2	Module not selected	NA
99	ADM_PRX = 1	Module not asked - proxy interview	NS

99	(MAST601 = DK, R, NS) or (MAST602 = DK, R, NS) or (MAST603 = DK, R, NS) or (MAST604 = DK, R, NS) or (MAST605 = DK, R, NS) or (MAST606 = DK, R, NS) or (MAST607 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
MAST601 + MAST602 + MAST603 + MAST604 + MAST605 + MAST606 +MAST607	(0 <= MAST601 <= 4) and (0 <= MAST602 <= 4) and (0 <= MAST603 <= 4) and (0 <= MAST604 <= 4) and (0 <= MAST605 <= 4) and (0 <= MAST606 <= 4) and (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 (3 DVs)

### 1 ) Length of exclusive breastfeeding

**Variable name:** MEXDEBF2

**Based on:** MEX\_01, MEX\_03, MEX\_05, MEX\_06, MEX\_06A, MEX\_06B, MEX\_08A

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

**Note:** In 2011, MEX\_07 was split into two questions: MEX\_06B and MEX\_08A; therefore, this variable needed to be updated accordingly.

In 2010, this variable was an update of MEXDEBF. It includes more categories, covers the 6 month period in a single category. Up to 2010, it took into account conflicting information provided in MEX\_06 and MEX\_07. 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 are still breastfeeding at the time of the interview 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 DHH_AGE < 15 or DHH_AGE > 55 or MEX_01 = 2 or (MEX_05 = 1 and (MEX_06A = 2 or MEX_06B = 13) and MEX_08A=13)	Population exclusions	NA
99	ADM_PRX = 1 or (MEX_06B in (97:99) or MEX_08A in (97:99) or MEX_03 in (7:9) or MEX_06 in (97:99))	Module not asked - Proxy Interview	NS
0	MEX_03 = 2	Has not breastfed her last baby	
1	((MEX_06B = 1 or MEX_08A = 1) and (MEX_06 in (1:12) or MEX_06 = 96)) or (MEX_06 = 1 and ((MEX_06B > MEX_06 and MEX_06B < 13) or (MEX_08A > MEX_06 and MEX_08A < 13))) or ((MEX_06B = 13 or MEX_08A = 13) and MEX_06 = 1)	Less than 1 week	
2	((MEX_06B in (2,3) or MEX_08A in (2,3)) and (MEX_06 in (2:12) or MEX_06 = 96)) or (MEX_06 in (2:3) and ((MEX_06B > MEX_06 and MEX_06B < 13) or (MEX_08A > MEX_06 and MEX_08A < 13))) or ((MEX_06B = 13 or MEX_08A = 13) and MEX_06 in (2,3))	1 week to less than 5 weeks	

3	((MEX_06B in (4,5) or MEX_08A in (4,5)) and (MEX_06 in (4:12) or MEX_06 = 96)) or (MEX_06 in (4,5) and ((MEX_06B > MEX_06 and MEX_06B < 13) or (MEX_08A > MEX_06 and MEX_08A < 13))) or ((MEX_06B = 13 or MEX_08A = 13) and MEX_06 in (4,5))	5 weeks to less than 12 weeks
4	((MEX_06B in (6) or MEX_08A in (6)) and (MEX_06 in (6:12) or MEX_06 = 96)) or (MEX_06 in (6) and ((MEX_06B > MEX_06 and MEX_06B < 13) or (MEX_08A > MEX_06 and MEX_08A < 13))) or ((MEX_06B = 13 or MEX_08A = 13) and MEX_06 in (6))	12 weeks to less than 16 weeks (3 months)
5	((MEX_06B in (7) or MEX_08A in (7)) and (MEX_06 in (7:12) or MEX_06 = 96)) or (MEX_06 in (7) and ((MEX_06B > MEX_06 and MEX_06B < 13) or (MEX_08A > MEX_06 and MEX_08A < 13))) or ((MEX_06B = 13 or MEX_08A = 13) and MEX_06 in (7))	16 weeks to less than 20 weeks (4 months)
6	((MEX_06B in (8) or MEX_08A in (8)) and (MEX_06 in (8:12) or MEX_06 = 96)) or (MEX_06 in (8) and ((MEX_06B > MEX_06 and MEX_06B < 13) or (MEX_08A > MEX_06 and MEX_08A < 13))) or ((MEX_06B = 13 or MEX_08A = 13) and MEX_06 in (8))	20 weeks to less than 24 weeks (5 months)
7	((MEX_06B in (9) or MEX_08A in (9)) and (MEX_06 in (9:12) or MEX_06 = 96)) or (MEX_06 in (9) and ((MEX_06B > MEX_06 and MEX_06B < 13) or (MEX_08A > MEX_06 and MEX_08A < 13))) or ((MEX_06B = 13 or MEX_08A = 13) and MEX_06 in (9))	24 weeks to less than 28 weeks (6 months)



8	((MEX_06B in (10, 11, 12) or MEX_08A in (10, 11, 12)) and (MEX_06 in (10:12) or MEX_06 = 96)) or (MEX_06 in (10, 11, 12) and ((MEX_06B > MEX_06 and MEX_06B < 13) or (MEX_08A > MEX_06 and MEX_08A < 13))) or ((MEX_06B = 13 or MEX_08A = 13) and MEX_06 in (10, 11, 12))	7 months or more
---	--	------------------

## 2 ) Exclusively Breastfed for 6 months (or more)

**Variable name:** MEXFEB6

**Based on:** MEX\_01, MEX\_03, MEX\_06, MEX\_6A, MEX\_06B, MEX\_08A

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

**Note:** In 2011, MEX\_07 was split into two questions: MEX\_06B and MEX\_08A; therefore, this variable needed to be updated accordingly.  
Health Canada recommends exclusive breastfeeding for a period of up to 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 DHH_AGE < 15 or DHH_AGE > 55 or MEX_01 = 2 or (MEX_05 = 1 and (MEX_06A = 2 and MEX_08A = 13)))	Population exclusions	NA
9	ADM_PRX = 1	Module not asked - proxy interview	NS
9	(MEX_06A in (97:99) or MEX_06B in (97:99) or MEX_08A in (97:99) or MEX_03 in (7:9) or MEX_06 in (97:99))	At least one required question was not answered (don't know, refusal, not stated)	NS
1	((((MEX_06B in (9:12) and MEX_08A not in (1:8)) or (MEX_06B not in (1:8) and MEX_08A in (9:12)) or (MEX_06B in (9:12) and MEX_08A in (9:12))) and MEX_06 in (9:12)) or (MEX_06 = 96 and ((MEX_06B in (9:12) and MEX_08A not in (1:8)) or (MEX_06B not in (1:8) and MEX_08A in (9:12)) or (MEX_06B in (9:12) and MEX_08A in (9:12)))) or ((MEX_05=2 and MEX_06B in (9:13) and MEX_08A in (9:13) and MEX_06 in (9:12))	Had exclusively breastfed her last baby for at least 6 months	

2	(MEX_03=2) or (MEX_06 < 9) or MEX_06B < 9 or MEX_08A < 9	Had not exclusively breastfed her last baby for at least 6 months
---	---	--

---

---

## Maternal experiences - Smoking during pregnancy (4 DVs)

### 1 ) No. of cigarettes daily - last pregnancy (daily smoker)

**Variable name:** MXSG02

**Based on:** MXS\_02

**Description:** This variable groups the number of cigarettes the respondent smoked during her last pregnancy.

Specifications			
Value	Condition(s)	Description	Notes
96	MXS_02 = 96	Not applicable	
99	MXS_02 = 97, 98, 99	Not stated	
1	MXS_02 = 1	Respondent smoked one cigarette daily during her last pregnancy.	
2	MXS_02 = 2	Respondent smoked 2 cigarettes daily during her last pregnancy.	
3	MXS_02 = 3	Respondent smoked 3 cigarettes daily during her last pregnancy.	
4	MXS_02 = 4	Respondent smoked 4 cigarettes daily during her last pregnancy.	
5	MXS_02 = 5	Respondent smoked 5 cigarettes daily during her last pregnancy.	
6	6<=MXS_02 <=10	Respondent smoked 6 to 10 cigarettes daily during her last pregnancy.	
7	11<=MXS_02 <=15	Respondent smoked 11 to 15 cigarettes daily during her last pregnancy.	
8	16<=MXS_02	Respondent smoked 16 or more cigarettes daily during her last pregnancy.	

### 2 ) No. of cigarettes daily - last pregnancy (occasional smoker)

**Variable name:** MXSG03

**Based on:** MXS\_03

**Description:** This variable groups the number of cigarettes the respondent smoked during her last pregnancy.

Specifications			
Value	Condition(s)	Description	Notes
96	MXS_03 = 96	Not applicable	
99	MXS_03 = 97, 98, 99	Not stated	
1	MXS_03 = 1	Respondent smoked one cigarette daily during her last pregnancy.	
2	MXS_03 = 2	Respondent smoked 2 cigarettes daily during her last pregnancy.	
3	MXS_03 = 3	Respondent smoked 3 cigarettes daily during her last pregnancy.	

4	MXS_03 = 4	Respondent smoked 4 cigarettes daily during her last pregnancy.
5	MXS_03 = 5	Respondent smoked 5 cigarettes daily during her last pregnancy.
6	6=<MXS_03	Respondent smoked at least 6 cigarettes daily during her last pregnancy.

### 3 ) No. of cigarettes daily - while breastfeeding (daily smoker)

**Variable name:** MXSG05

**Based on:** MXS\_05

**Description:** This variable groups the number of cigarettes the respondent smoked while while breastfeeding her last baby.

Specifications			
Value	Condition(s)	Description	Notes
96	MXS_05 = 96	Not applicable	
99	MXS_05 = 97, 98, 99	Not stated	
1	MXS_05 = 1	Respondent smoked one cigarette daily while breastfeeding her last baby.	
2	MXS_05 = 2	Respondent smoked 2 cigarettes daily while breastfeeding her last baby.	
3	MXS_05 = 3	Respondent smoked 3 cigarettes daily while breastfeeding her last baby.	
4	MXS_05 = 4	Respondent smoked 4 cigarettes daily while breastfeeding her last baby.	
5	MXS_05 = 5	Respondent smoked 5 cigarettes daily while breastfeeding her last baby.	
6	6=<MXS_05=<10	Respondent smoked 6 to 10 cigarettes daily while breastfeeding her last baby.	
7	11=<MXS_05=<15	Respondent smoked 11 to 15 cigarettes daily while breastfeeding her last baby.	
8	16=<MXS_05	Respondent smoked at least 16 cigarettes daily while breastfeeding her last baby.	

### 4 ) No. of cigarettes daily - while breastfeeding (occasional smoker)

**Variable name:** MXSG06

**Based on:** MXS\_06

**Description:** This variable groups the number of cigarettes the respondent smoked while while breastfeeding her last baby.

Specifications			
Value	Condition(s)	Description	Notes
96	MXS_06 = 96	Not applicable	
99	MXS_06 = 97, 98, 99	Not stated	

1	MXS_06 = 1	Respondent smoked one cigarette daily while breastfeeding her last baby.
2	MXS_06 = 2	Respondent smoked 2 cigarettes daily while breastfeeding her last baby.
3	MXS_06 = 3	Respondent smoked 3 cigarettes daily while breastfeeding her last baby.
4	MXS_06 = 4	Respondent smoked 4 cigarettes daily while breastfeeding her last baby.
5	MXS_06 = 5	Respondent smoked 5 cigarettes daily while breastfeeding her last baby.
6	6=<MXS_06	Respondent smoked at least 6 cigarettes daily while breastfeeding her last baby.

## 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 (OH2_24 = 3, 4)	No social limitation due to oral condition	
1	(OH2_23 = 1, 2) or (OH2_24 = 1, 2)	Social limitation experienced due to oral condition	
9	(OH2_23 = DK, R, NS) or (OH2_24 = DK, R, NS)	At least one required question was not answered (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	DOOH2 = 2	Module not selected	NA
9	ADM_PRX = 1	Module not asked - proxy interview	NS
2	(OH2_25A = 2 and OH2_25B = 2 and OH2_25C = 2 and OH2_25D = 2 and OH2_25E = 2 and OH2_25F = 2 and OH2_25G = 2) or (OH2_25A = 6 and OH2_25B = 6 and OH2_25C = 2 and OH2_25D = 2 and OH2_25E = 2 and OH2_25F = 2 and OH2_25G = 2)	Has not experienced any oral or facial pain or discomfort in the past month	
1	OH2_25A = 1 or OH2_25B = 1 or OH2_25C = 1 or OH2_25D = 1 or OH2_25E = 1 or OH2_25F = 1 or OH2_25G = 1	Has experienced some oral or facial pain or discomfort in the past month	

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

---

## 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 (Energy Expenditure for each activity) = (N X D X 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 (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

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

$(PAC\_2L \times 4 \times .2167 \times 4) / 365$	PAC_3L = 1	Calculate EE for < 15 min*	EXERCISE CLASS OR AEROBICS
$(PAC\_2L \times 4 \times .3833 \times 4) / 365$	PAC_3L = 2	Calculate EE for 16 to 30 min*	EXERCISE CLASS OR AEROBICS
$(PAC\_2L \times 4 \times .75 \times 4) / 365$	PAC_3L = 3	Calculate EE for 31 to 60 min*	EXERCISE CLASS OR AEROBICS
$(PAC\_2L \times 4 \times 1 \times 4) / 365$	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
$(PAC\_2M \times 4 \times .2167 \times 4) / 365$	PAC_3M = 1	Calculate EE for < 15 min*	DOWNHILL SKIING OR SNOWBOARDING
$(PAC\_2M \times 4 \times .3833 \times 4) / 365$	PAC_3M = 2	Calculate EE for 16 to 30 min*	DOWNHILL SKIING OR SNOWBOARDING
$(PAC\_2M \times 4 \times .75 \times 4) / 365$	PAC_3M = 3	Calculate EE for 31 to 60 min*	DOWNHILL SKIING OR SNOWBOARDING
$(PAC\_2M \times 4 \times 1 \times 4) / 365$	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
$(PAC\_2N \times 4 \times .2167 \times 2) / 365$	PAC_3N = 1	Calculate EE for < 15 min*	BOWLING
$(PAC\_2N \times 4 \times .3833 \times 2) / 365$	PAC_3N = 2	Calculate EE for 16 to 30 min*	BOWLING
$(PAC\_2N \times 4 \times .75 \times 2) / 365$	PAC_3N = 3	Calculate EE for 31 to 60 min*	BOWLING
$(PAC\_2N \times 4 \times 1 \times 2) / 365$	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
$(PAC\_2O \times 4 \times .2167 \times 3) / 365$	PAC_3O = 1	Calculate EE for < 15 min*	BASEBALL OR SOFTBALL
$(PAC\_2O \times 4 \times .3833 \times 3) / 365$	PAC_3O = 2	Calculate EE for 16 to 30 min*	BASEBALL OR SOFTBALL
$(PAC\_2O \times 4 \times .75 \times 3) / 365$	PAC_3O = 3	Calculate EE for 31 to 60 min*	BASEBALL OR SOFTBALL
$(PAC\_2O \times 4 \times 1 \times 3) / 365$	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
$(\text{PAC\_2S} \times 4 \times 1 \times 5) / 365$	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*	SOCCER
$(PAC\_2Z \times 4 \times .3833 \times 5) / 365$	PAC_3Z = 2	Calculate EE for 16 to 30 min*	SOCCER
$(PAC\_2Z \times 4 \times .75 \times 5) / 365$	PAC_3Z = 3	Calculate EE for 31 to 60 min*	SOCCER
$(PAC\_2Z \times 4 \times 1 \times 5) / 365$	PAC_3Z = 4	Calculate EE for > 60 min*	SOCCER

## 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 + PACDEEB + PACDEEC + PACDEED + PACDEEE + PACDEEF + PACDEEG + PACDEEH + PACDEEI + PACDEEJ + PACDEEK + PACDEEL + PACDEEM + PACDEEN + PACDEEO + PACDEEP + PACDEEQ + PACDEER + PACDEES + PACDEET + PACDEEZ + PACDEEU + PACDEEW + PACDEEX	(0 <= PACDEEA < NA) and (0 <= PACDEEB < NA) and (0 <= PACDEEC < NA) and (0 <= PACDEED < NA) and (0 <= PACDEEE < NA) and (0 <= PACDEEF < NA) and (0 <= PACDEEG < NA) and (0 <= PACDEEH < NA) and (0 <= PACDEEI < NA) and (0 <= PACDEEJ < NA) and (0 <= PACDEEK < NA) and (0 <= PACDEEL < NA) and (0 <= PACDEEM < NA) and (0 <= PACDEEN < NA) and (0 <= PACDEEO < NA) and (0 <= PACDEEP < NA) and (0 <= PACDEEQ < NA) and (0 <= PACDEER < NA) and (0 <= PACDEES < NA) and (0 <= PACDEET < NA) and (0 <= PACDEEZ < NA) and (0 <= PACDEEU < NA) and (0 <= PACDEEW < NA) and (0 <= PACDEEX < NA)	Total daily energy expenditure (kcal/kg/day)	(rounded to one decimal place)  (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 + PACT2B + PACT2C + PACT2D + PACT2E + PACT2F + PACT2G + PACT2H + PACT2I + PACT2J + PACT2K + PACT2L + PACT2M + PACT2N + PACT2O + PACT2P + PACT2Q + PACT2R + PACT2S + PACT2T + PACT2Z + PACT2U + PACT2W + PACT2X) / 3	(0 <= PACT2A < NA) and (0 <= PACT2B < NA) and (0 <= PACT2C < NA) and (0 <= PACT2D < NA) and (0 <= PACT2E < NA) and (0 <= PACT2F < NA) and (0 <= PACT2G < NA) and (0 <= PACT2H < NA) and (0 <= PACT2I < NA) and (0 <= PACT2J < NA) and (0 <= PACT2K < NA) and (0 <= PACT2L < NA) and (0 <= PACT2M < NA) and (0 <= PACT2N < NA) and (0 <= PACT2O < NA) and (0 <= PACT2P < NA) and (0 <= PACT2Q < NA) and (0 <= PACT2R < NA) and (0 <= PACT2S < NA) and (0 <= PACT2T < NA) and (0 <= PACT2Z < NA) and (0 <= PACT2U < NA) and (0 <= PACT2W < NA) and (0 <= PACT2X < NA)	Monthly frequency of all leisure time physical activity lasting over 15 minutes	(Rounded to nearest integer) (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 + PACDTEA + PACDTEA + PACDTEA	(0 <= PACDEE < NA) and (0 <= PACDTEA < NA) and (0 <= PACDTEA < NA)	Total daily energy expenditure (kcal/kg/day)	(rounded to one decimal place)  (min: 0.0; max: 99.5)

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

**Variable name:** PACFLTI

**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.

**Note:** In 2010, the programming of the response categories for this derived variable were changed. Respondents who provided a mix of valid answer and non response to PAC\_1V, PAC\_7, or PAC\_8 have been coded to category 1 or 2 in PACFLTI. Previously, if they provided a non response to either PAC\_1V, PAC\_7, or PAC\_8 they were coded as non response in PACFLTI.

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 (PAC_7 = 2, 3) and (PAC_8 = 2, 3)	Does not participate in transportation or leisure time physical activity	
9	(PAC_1V = DK, R, NS) or (PAC_7 = DK, R, NS) or (PAC_8 = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS

## Positive Mental Health (2 DVs)

This module is the Mental Health Continuum - Short Form (MHC-SF) instrument developed by Dr. Corey Keyes. The MHC-SF consists of 14 items that can be used to classify individuals as having flourishing, languishing, or moderate mental health. Of the 14 items, 3 are used to measure emotional well-being (items 1 to 3), while the other 11 items (4 to 14) are used to measure positive functioning.

There are two different ways to summarize the responses in this module. The two main derived variables are:

- (1) A categorical derived variable (DV) that classifies individuals as having flourishing, languishing, or moderate mental health (PMHDCLA). This is the most widely used DV for this module.
- (2) A DV used to calculate a continuous score (PMHDSCR) ranging from 0 to 70, where higher scores indicate higher level of positive mental health.

For both DVs, a temporary reformat is needed to rescale and invert the values for responses to each of the items in the MHC-SF (see below).

Four temporary variables are also needed to classify respondents' high emotional well-being (PMHTHEM), low emotional well-being (PMHTLEM), high functioning (PMHTHFU), and low functioning (PMHTLFU). They should be treated as preliminary steps towards the final specification of the categorical DV (PMHDCLA), which is the main variable that should be used for analysis.

Note: Permission to use this instrument in the CCHS Annual component was granted to Statistics Canada by Dr. Corey Keyes.

Ref: Keyes, C. L. M. (2009). Atlanta: Brief description of the mental health continuum short form (MHC-SF). Available: <http://www.sociology.emory.edu/ckeyes/>. [On-line, retrieved May 25, 2012].

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>PMHT01</b>			
(6 - PMH_01)	PMH_01 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".	
0	PMH_01 > 6	Respondent did not provide answer the required question.	
<b>PMHT02</b>			
(6 - PMH_02)	PMH_02 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".	
0	PMH_02 > 6	Respondent did not provide answer the required question.	
<b>PMHT03</b>			
(6 - PMH_03)	PMH_03 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".	
0	PMH_03 > 6	Respondent did not provide answer the required question.	
<b>PMHT04</b>			
(6 - PMH_04)	PMH_04 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".	
0	PMH_04 > 6	Respondent did not provide answer the required question.	
<b>PMHT05</b>			
(6 - PMH_05)	PMH_05 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".	
0	PMH_05 > 6	Respondent did not provide answer the required question.	
<b>PMHT06</b>			
(6 - PMH_06)	PMH_06 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".	
0	PMH_06 > 6	Respondent did not provide answer the required question.	
<b>PMHT07</b>			
(6 - PMH_07)	PMH_07 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".	
0	PMH_07 > 6	Respondent did not provide answer the required question.	
<b>PMHT08</b>			

(6 - PMH_08)	PMH_08 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".
0	PMH_08 > 6	Respondent did not provide answer the required question.
<b>PMHT09</b>		
(6 - PMH_09)	PMH_09 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".
0	PMH_09 > 6	Respondent did not provide answer the required question.
<b>PMHT10</b>		
(6 - PMH_10)	PMH_10 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".
0	PMH_10 > 6	Respondent did not provide answer the required question.
<b>PMHT11</b>		
(6 - PMH_11)	PMH_11 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".
0	PMH_11 > 6	Respondent did not provide answer the required question.
<b>PMHT12</b>		
(6 - PMH_12)	PMH_12 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".
0	PMH_12 > 6	Respondent did not provide answer the required question.
<b>PMHT13</b>		
(6 - PMH_13)	PMH_13 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".
0	PMH_13 > 6	Respondent did not provide answer the required question.
<b>PMHT14</b>		
(6 - PMH_14)	PMH_14 <= 6	Rescale and invert from "1 to 6" to "5 to 0", where 0 is "Never" and 5 is "Every day".
0	PMH_14 > 6	Respondent did not provide answer the required question.

## 1 ) Positive Mental Health Classification

**Variable name:** PMHDCLA

**Based on:** PMHDEM, PMHDFU, PMHDLEM, PMHDLFU

**Description:** This variable assigns respondents to one of the following categories: flourishing, languishing or moderate mental health. This variable represents the recommended classification of the Mental Health Continuum - Short Form (MHC-SF) (Keyes, 2009).

To be classified as having flourishing mental health, respondents must experience "high levels" of at least 1 of the 3 measures of emotional well-being and at least 6 of the 11 measures of positive functioning. High levels are defined as experiencing an item "everyday" or "almost every day" during the past month.

To be classified as having languishing mental health, respondents must report "low levels" on at least 1 of the 3 measures of emotional well-being and on at least 6 of the 11 measures of positive functioning. Low levels are defined as experiencing an item "never" or "once or twice" during the past month.

Individuals who are neither flourishing nor languishing are classified as having moderate mental health.

Due to the frequency of "Don't know" and "Refusal" responses to various items in the PMH module, missing data ("Don't know", "Refusal", "Not stated") are included in the calculation of this DV. For this DV (PMHDCLA) a "Not Stated" (9) value is assigned only when all of the module items (PMH\_01 - PMH\_14) have a value of 97, 98, or 99 ("Don't know", "Refusal", "Not stated").

**Note:** The classification is based on the following criteria:

(1) Individuals are classified as "flourishing" if they feel at least 1 of the 3 emotional well-being symptoms (items 1-3) "every



day" or "almost every day" and feel at least 6 of the 11 positive functioning symptoms (items 4-14) "every day" or "almost every day" in the past month.

(2) Individuals are classified as "languishing" if they feel at least 1 of the 3 emotional well-being symptoms (items 1-3) "never" or "once or twice" and feel at least 6 of the 11 positive functioning symptoms (items 4-14) "never" or "once or twice" in the past month.

(3) Individuals who are neither "languishing" nor "flourishing" are then coded as "moderate mental health".

Specifications			
Value	Condition(s)	Description	Notes
6	DOPMH = 2	Population exclusions	NA
9	ADM_PRX = 1	Module not asked - Proxy interview	NS
9	(PMHDHEM = 9 or PMHDLEM = 9) and (PMHDHFU = 9 or PMHDLFU = 9)	Respondent did not answer any of the required questions (don't know, refusal, not stated).	NS
1	PMHDHEM = 1 and PMHDHFU = 1	Flourishing Mental Health (high emotional well-being and high positive functioning)	
2	PMHDLEM = 1 and PMHDLFU = 1	Languishing Mental Health (low emotional well-being and low positive functioning)	
3	Else	Moderate Mental Health (all cases not coded as NS, flourishing, or languishing)	

## 2 ) Positive Mental Health Continuous Score

**Variable name:** PMHDSCR

**Based on:** PMH\_01, PMH\_02, PMH\_03, PMH\_04, PMH\_05, PMH\_06, PMH\_07, PMH\_08, PMH\_09, PMH\_10, PMH\_11, PMH\_12, PMH\_13, PMH\_14

**Description:** This variable is used to measure the continuous score of the Mental Health Continuum - Short Form (MHC-SF). The range is 0-70. Higher scores indicate higher levels of positive mental health.

Specifications			
Value	Condition(s)	Description	Notes
99	PMH_01 in (97, 98, 99) or PMH_02 in (97, 98, 99) or PMH_03 in (97, 98, 99) or PMH_04 in (97, 98, 99) or PMH_05 in (97, 98, 99) or PMH_06 in (97, 98, 99) or PMH_07 in (97, 98, 99) or PMH_08 in (97, 98, 99) or PMH_09 in (97, 98, 99) or PMH_10 in (97, 98, 99) or PMH_11 in (97, 98, 99) or PMH_12 in (97, 98, 99) or PMH_13 in (97, 98, 99) or PMH_14 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS

PMHT01 +	(PMHT01 <= 5) and	Score obtained on the Positive Mental Health	
PMHT02 +	(PMHT01 >= 0) and	Continuum - Short Form	
PMHT03 +	(PMHT02 <= 5) and		
PMHT04 +	(PMHT02 >= 0) and	(min:0; max:70)	
PMHT05 +	(PMHT03 <= 5) and		
PMHT06 +	(PMHT03 >= 0) and		
PMHT07 +	(PMHT04 <= 5) and		
PMHT08 +	(PMHT04 >= 0) and		
PMHT09 +	(PMHT05 <= 5) and		
PMHT10 +	(PMHT05 >= 0) and		
PMHT11 +	(PMHT06 <= 5) and		
PMHT12 +	(PMHT06 >= 0) and		
PMHT13 +	(PMHT07 <= 5) and		
PMHT14	(PMHT07 >= 0) and		
	(PMHT08 <= 5) and		
	(PMHT08 >= 0) and		
	(PMHT09 <= 5) and		
	(PMHT09 >= 0) and		
	(PMHT10 <= 5) and		
	(PMHT10 >= 0) and		
	(PMHT11 <= 5) and		
	(PMHT11 >= 0) and		
	(PMHT12 <= 5) and		
	(PMHT12 >= 0) and		
	(PMHT13 <= 5) and		
	(PMHT13 >= 0) and		
	(PMHT14 <= 5) and		
	(PMHT14 >= 0)		
99	ADM_PRX=1	Module not asked - proxy interview	NS

## Restriction of activities (3 DVs)

### 1 ) Cause of health problem

**Variable name:** RACG5

**Based on:** RAC\_5

**Description:** This variable indicates the cause of the respondent's health problem. It is a regrouping of RAC\_5.

Specifications			
Value	Condition(s)	Description	Notes
NA	RAC_5 = NA	Not applicable	
NS	RAC_5 = DK, R or NS	Not stated	
1	1 <= RAC_5 <= 4	Injury (includes injury at home, sports or recreation, motor vehicle, work related)	
2	RAC_5 = 7	Disease or illness	
3	RAC_5 = 8	Aging	
4	RAC_5 = 5	Existed at birth or genetic	
5	RAC_5 = 6	Work conditions	
6	RAC_5 = 9 or RAC_5 = 10 or RAC_5 = 11	Other(psychological/physical abuse, use of alcohol or drugs, other)	

### 2 ) 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 RAC_2B1 = 2 or RAC_2B2 = 2 or RAC_2C = 2	Often	
1	RAC_2A = 1 or RAC_2B1 = 1 or RAC_2B2 = 1 or RAC_2C = 1	Sometimes	
3	RAC_2A = 3 and (RAC_2B1 = 3, 4) and (RAC_2B2 = 3, 4) and RAC_2C = 3	Never	

9	(RAC_2A = DK, R, NS) or (RAC_2B1 = DK, R, NS) or (RAC_2B2 = DK, R, NS) or (RAC_2C = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
---	---	--	----

### 3 ) 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 (RAC_2B1 = DK, R, NS) or (RAC_2B2 = DK, R, NS) or (RAC_2C = DK, R, NS) or (RAC_1 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
2	RAC_2A = 2 or RAC_2B1 = 2 or RAC_2B2 = 2 or RAC_2C = 2 or RAC_1 = 2	Often	
1	RAC_2A = 1 or RAC_2B1 = 1 or RAC_2B2 = 1 or RAC_2C = 1 or RAC_1 = 1	Sometimes	
3	RAC_2A = 3 and (RAC_2B1 = 3, 4) and (RAC_2B2 = 3, 4) and RAC_2C = 3 and RAC_1 = 3	Never	

## Repetitive strain injuries (1 DV)

### 1 ) Repetitive strain injury

**Variable name:** REPG3

**Based on:** REP\_3

**Description:** This variable indicates the body part affected by the repetitive strain injury. It is a regrouping of REP\_3.

Specifications			
Value	Condition(s)	Description	Notes
NA	REP_3 = NA	Not applicable	
NS	REP_3 = NS	Respondent did not answer (don't know, refusal, not specified)	
1	REP_3 = 2	Neck	
2	REP_3 = 3	Shoulder/upper arm	
3	REP_3 = 4	Elbow/lower arm	
4	REP_3 = 5	Wrist/hand	
5	REP_3 = 8	Knee/lower leg	
6	REP_3 = 9	Ankle/foot	
7	REP_3 = 10	Upper back/upper spine	
8	REP_3 = 11	Lower back/lower spine	
9	REP_3 = 1 or REP_3 = 6 or REP_3 = 7 or REP_3 = 12, REP_3 = 13	Other(includes head, hip, thigh, chest, abdomen or pelvis)	

## Sedentary activities (6 DVs)

### 1 ) Number of hours - on a computer - past 3 mo - (G)

**Variable name:** SACG1

**Based on:** SAC\_1

**Description:** This variable indicates how much time the respondent, in a typical week in the past 3 months, spends on a computer, including playing computer games and using the Internet.

**Note:** Includes only leisure time activities. This grouped variable is very similar to the SAC\_1 variable produced previous to 2009 (where the number of hours was given using answer categories instead of precise value).

Specifications			
Value	Condition(s)	Description	Notes
96	SAC_1 = 96	Population exclusions	NA
99	SAC_1 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	SAC_1 = 0	None or less than 1 hour	
2	SAC_1 in (1, 2)	From 1 to 2 hours	
3	SAC_1 in (3, 4, 5)	From 3 to 5 hours	
4	SAC_1 in (6, 7, 8, 9, 10)	From 6 to 10 hours	
5	SAC_1 in (11, 12, 13, 14)	From 11 to 14 hours	
6	SAC_1 in (15, 16, 17, 18, 19, 20)	From 15 to 20 hours	
7	SAC_1 >= 21	More than 20 hours	

### 2 ) Number of hours - playing video games - past 3 mo - (G)

**Variable name:** SACG2

**Based on:** SAC\_2

**Description:** This variable indicates how much time the respondent, in a typical week in the past 3 months, spends playing video games, such as XBOX, Nintendo and Playstation.

**Note:** Includes only leisure time activities. This grouped variable is very similar to the SAC\_2 variable produced previous to 2009 (where the number of hours was given using answer categories instead of precise value).

Specifications			
Value	Condition(s)	Description	Notes
96	SAC_2 = 96	Population exclusions	NA
99	SAC_2 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	SAC_2 = 0	None or less than 1 hour	
2	SAC_2 in (1, 2)	From 1 to 2 hours	
3	SAC_2 in (3, 4, 5)	From 3 to 5 hours	
4	SAC_2 in (6, 7, 8, 9, 10)	From 6 to 10 hours	
5	SAC_2 in (11, 12, 13, 14)	From 11 to 14 hours	

6	SAC_2 in (15, 16, 17, 18, 19, 20)	From 15 to 20 hours
7	SAC_2 >= 21	More than 20 hours

### 3 ) Number of hours - watching tv/videos - past 3 mo - (G)

**Variable name:** SACG3

**Based on:** SAC\_3

**Description:** This variable indicates how much time the respondent, in a typical week in the past 3 months, spends watching television or videos.

**Note:** Includes only leisure time activities. This grouped variable is very similar to the SAC\_3 variable produced previous to 2009 (where the number of hours was given using answer categories instead of precise value).

Specifications			
Value	Condition(s)	Description	Notes
96	SAC_3 = 96	Population exclusions	NA
99	SAC_3 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	SAC_3 = 0	None or less than 1 hour	
2	SAC_3 in (1, 2)	From 1 to 2 hours	
3	SAC_3 in (3, 4, 5)	From 3 to 5 hours	
4	SAC_3 in (6, 7, 8, 9, 10)	From 6 to 10 hours	
5	SAC_3 in (11, 12, 13, 14)	From 11 to 14 hours	
6	SAC_3 in (15, 16, 17, 18, 19, 20)	From 15 to 20 hours	
7	SAC_3 in (21, 22, 23, 24, 25)	From 21 to 25 hours	
8	SAC_3 in (26, 27, 28, 29, 30)	From 26 to 30 hours	
9	SAC_3 >= 31	More than 30 hours	

### 4 ) Number of hours - reading - past 3 mo - (G)

**Variable name:** SACG4

**Based on:** SAC\_4

**Description:** This variable indicates how much time the respondent, in a typical week in the past 3 months, spends reading, not counting at work or at school.

**Note:** Includes only leisure time activities. This grouped variable is very similar to the SAC\_4 variable produced previous to 2009 (where the number of hours was given using answer categories instead of precise value).

Specifications			
Value	Condition(s)	Description	Notes
96	SAC_4 = 96	Population exclusions	NA
99	SAC_4 in (97, 98, 99)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	SAC_4 = 0	None or less than 1 hour	
2	SAC_4 in (1, 2)	From 1 to 2 hours	

3	SAC_4 in (3, 4, 5)	From 3 to 5 hours
4	SAC_4 in (6, 7, 8, 9, 10)	From 6 to 10 hours
5	SAC_4 in (11, 12, 13, 14)	From 11 to 14 hours
6	SAC_4 in (15, 16, 17, 18, 19, 20)	From 15 to 20 hours
7	SAC_4 >= 21	More than 20 hours

## 5) 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 (SAC_2 = DK, R, NS) or (SAC_3 = DK, R, NS) or (SAC_4 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
SAC_1+SAC_2+ SAC_3+SAC_4	(0 <= SAC_1 <= 70) and (0 <= SAC_2 <= 70) and (0 <= SAC_3 <= 70) and (0 <= SAC_4 <= 70)	Total number of hours spent in sedentary activities where the respondent is aged <= 25	
SAC_1+SAC_3+ SAC_4	(0 <= SAC_1 <= 70) and SAC_2 = NA and (0 <= SAC_3 <= 70) and (0 <= SAC_4 <= 70)	Total number of hours spent in sedentary activities 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 (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

## 6 ) 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 less than 25), 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 (SAC_2 = DK, R, NS) or (SAC_3 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
SAC_1 + SAC_2 + SAC_3	(0 <= SAC_1 <= 70) and (0 <= SAC_2 <= 70) and (0 <= SAC_3 <= 70)	Total number of hours per week spent in sedentary activities (excluding reading) where the respondent is aged <= 25	
SAC_1 + SAC_3	(0 <= SAC_1 <= 70) and (0 <= SAC_3 <= 70)	Total number of hours per week spent in sedentary activities (excluding reading) where the respondent 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 required question was not answered (don't know, 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	



## 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 SMK_202 = 3	Population exclusion	NA
9	ADM_PRX = 1	Module not asked - proxy interview	NS
1	(SMK_202 = 1, 2) and (SCA_50 = 2 or SCH_3 = 2)	Did not try to quit last year (current daily or occasional smoker)	
2	(SMK_202 = 1, 2) and (SCA_50 = 1 or SCH_3 = 1)	Tried to quit unsuccessfully in the last year (current daily or occasional smoker)	
3	(SMKDSTY = 4, 5) and (SMK_06A = 1 or SMK_09A = 1 or SMK_10a = 1)	Successfully quit in the last year (former smoker)	
4	(SMKDSTY = 4, 5) and [(2 <= SMK_06A <=4) or (SMK_10 = 1 and (2 <= SMK_09A <=4)) or (2 <= SMK_10A <=4)]	Successfully quit more than 1 year ago (former smoker)	
9	SMKDSTY = NS or (SMK_202 = DK, R, NS) or (SMK_06A = DK, R, NS) or (SMK_09A = DK, R, NS) or (SMK_10 = DK, R, NS) or (SMK_10A = DK, R, NS) or (SCA_50 = DK, R, NS) or (SCH_3 = DK, R, NS)	At least one required question was not answered (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 SMK_01A = 2	Population exclusion	NA
9	ADM_PRX = 1	Module not asked - proxy interview	NS
1	(SMK_202 = 1, 2) and SCH_1 = 2	Precontemplation stage (Current daily or occasional smokers)	
2	(SMK_202 = 1, 2) and [(SCH_1 = 1 and SCH_2 = 2) or (SCH_2 = 1 and SCH_3 = 2)]	Contemplation stage (Current daily or occasional smokers)	
3	(SMK_202 = 1, 2) and SCH_2 = 1 and (1 <= SCH_4 <= 95)	Preparation stage (Current daily or occasional smokers)	
4	SMK_202 = 3 and (SMK_06B < 6 months from ADM_MOI) or SMK_202 = 3 and SMK_10 = 1 and (SMK_09B < 6 months from ADM_MOI) or SMK_202 = 3 and (SMK_10B < 6 months from ADM_MOI)	Action stage (Former smoker)  Assesses whether respondent has stopped smoking within 6 months prior to completing survey	
5	SMK_202 = 3 and [(SMK_06A = 2, 3, 4) or (SMK_06B >= 6 months from ADM_MOI)] or SMK_202 = 3 and SMK_10 = 1 and [(SMK_09A = 2, 3, 4) or (SMK_09B >= 6 months from ADM_MOI)] or SMK_202 = 3 and [(SMK_10A = 2, 3, 4) or (SMK_10B >= 6 months from ADM_MOI)]	Maintenance stage (Former smoker)  Assesses whether respondent stopped smoking 6 months or more prior to completing survey	

9	(SMK_202 = DK, R, NS) or (SMK_06B = DK, R, NS) or (SMK_09B = DK, R, NS) or (SMK_10 = DK, R, NS) or (SMK_10B = DK, R, NS) or (SCH_1 = DK, R, NS) or (SCH_2 = DK, R, NS) or (SCH_3 = DK, R, NS) or (SCH_4 = DK, R, NS)	At least one required question was not answered (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.

## Physical activity - Stages of change (1 DV)

### 1 ) Stages of changes - physical activity

**Variable name:** SCPDSTG

**Based on:** MAM\_037, ADM\_PRX, SCP\_01, SCP\_02, SCP\_03, SCP\_04

**Description:** The stages of change model defines five stages of change in the process of physical activity.

1. Precontemplation: Respondent reports being a bit or not at all physically active and has no intention to increase physical activity in the next six months.

2. Contemplation: Respondent reports being a bit or not at all physically active and intends to increase physical activity level in the next six months.

3. Preparation: Respondent reports being a bit or not at all physically active and intends to increase physical activity level in the next 30 days.

4. Action: Respondent reports being very or moderately physically active and increased physical activity in the past six months.

5. Maintenance: Respondent reports being very or moderately physically active and did not increase physical activity in past six months.

Source: Transtheoretical model, Cancer Prevention Research Center [www.uri.edu/research/cprc/measures/Exercise02.htm](http://www.uri.edu/research/cprc/measures/Exercise02.htm).

Specifications			
Value	Condition(s)	Description	Notes
6	(DoSCP=2) or (MAM_037=1)	Module not selected or population exclusions	NA
9	(ADM_PRX=1) or (SCP_01 in (7:9)) or (SCP_02 in (7:9)) or SCP_03 in (7:9) or (SCP_04 in (7:9))	Proxy interview or at least one required question was not answered (don't know, refusal, not stated)	NS
1	SCP_04=2	Precontemplation	
2	SCP_04=1	Contemplation	
3	SCP_03=1	Preparation	
4	SCP_01 in (1,2) and SCP_02=1	Action	
5	SCP_01 in (1,2) and SCP_02=2	Maintenance	

## Socio-demographic characteristics (5 DVs)

### 1 ) First Official Language Spoken

**Variable name:** SDCDFOLS

**Based on:** SDC\_5A\_1, SDCDFL1, SDCDLNG, SDCDLHM

**Description:** For the censuses, this variable was derived within the framework of the application of the Official Languages Act. The same method for deriving the variable was applied here.

This derivation method is described in the regulations concerning the use of official languages for the provision of public services. It takes into account first the knowledge of the two official languages, second the mother tongue, and third the home language.

People who can conduct a conversation in French only are assigned French as their first official language spoken. People who can carry on a conversation in English only are assigned English as their first official language spoken. The responses to questions on mother tongue and home language are subsequently used to establish the first official language spoken by people who speak both English and French, or who cannot speak either of the two official languages. The French category includes people who have French only or French and at least one non-official language as their mother tongue. People who have English only or English and at least one non-official language as their mother tongue are included in the English category. For cases that have not yet been classified, people are assigned to the French category when they speak French only or French and at least one non-official language as their home language. The procedure is the same for English. Thus, the population is classified into two principal categories: English or French. It is necessary to add two residual categories for people who cannot be classified in accordance with the information available: English and French and neither English nor French.

Please consult the following documents for more information: Regulations respecting communications with and services to the public in either official language, registered on December 16, 1991, in accordance with section 85 of the Official Languages Act, R.S.C., c. 32 (4th suppl.) and Population Estimates by First Official Language Spoken, 1991, Catalogue no. 94-320, Demography Division, Statistics Canada.

<http://www12.statcan.gc.ca/census-recensement/2006/ref/dict/pop034a-eng.cfm>

#### Temporary Reformat

Value	Condition(s)	Description	Notes
<b>SDCTLNG</b>			
1	SDC_5A_1 in (1)	English only	
2	SDC_5A_1 in (2)	French only	
3	SDC_5A_1 in (3)	Both English and French	
4	SDC_5A_1 in (4)	Neither English nor French	
9	SDC_5A_1 in (7:9)	At least one required question was not answered (don't know, refusal, not stated)	NS

#### Specifications

Value	Condition(s)	Description	Notes
1	[(SDCTLNG=1 and (SDCDFL1 in (1,2,3,4,5,6,7,99)) and (SDCDLHM in (1,2,3,4,5,6,7,99))] or [(SDCTLNG=3) and (SDCDFL1=1) and SDCDLHM in (1,2,3,4,5,6,7,99)] or [(SDCTLNG=3) and SDCDFL1 in (3,4,7) and SDCDLHM in (1,5)] or [(SDCTLNG=3) and (SDCDFL1=5) and (SDCDLHM in (1,2,3,4,5,6,7,99))] or [(SDCTLNG=4) and (SDCDFL1=1) and (SDCDLHM in (1,2,3,4,5,6,7,99))] or [(SDCTLNG=4) and SDCDFL1 in (3,4) and	English	

	SDCDLHM in (1,5)] or [(SDCTLNG=4) and SDCDFL1=5) and SDCDLHM in (1,2,3,4,5,6,7,99)] or [(SDCTLNG=4) and SDCDFL1=7 and SDCDLHM in (1,5)] or [(SDCTLNG=9) and SDCDFL1 in (1,5) and SDCDLHM in (1,2,3,4,5,6,7,99)] or [(SDCTLNG=9) and SDCDFL1 in (3,4,7) and SDCDLHM in (1,5)] or [(SDCTLNG=9) and (SDCDFL1 in(7,99) and (SDCDLHM=7,99) and (ADM_N12 = 1) and (ADM_PRX =2 and PMKPROXY > 1)] or [SDCTLNG in (3,4,9) and (SDCDFL1=99) and SDCDLHM in (1,5)] or [(SDCTLNG=9) and SDCDFL1 in (1,5) and SDCDLHM=99)]	
2	[(SDCTLNG=2 and (SDCDFL1 in (1,2,3,4,5,6,7,99)) and (SDCDLHM in (1,2,3,4,5,6,7,99))] or [(SDCTLNG=3) and (SDCDFL1=2) and SDCDLHM in (1,2,3,4,5,6,7,99)] or [(SDCTLNG=3) and SDCDFL1 in (3,4,7) and SDCDLHM in (2,6)] or [(SDCTLNG=3) and (SDCDFL1=6) and (SDCDLHM in (1,2,3,4,5,6,7,99))] or [(SDCTLNG=4) and (SDCDFL1=2) and (SDCDLHM in (1,2,3,4,5,6,7,99))] or [(SDCTLNG=4) and SDCDFL1 in (3,4) and SDCDLHM in (2,6)] or [(SDCTLNG=4) and SDCDFL1=6) and SDCDLHM in (1,2,3,4,5,6,7,99)] or [(SDCTLNG=4) and SDCDFL1=7 and SDCDLHM in (2,6)] or [(SDCTLNG=9) and SDCDFL1 in (2,6) and SDCDLHM in (1,2,3,4,5,6,7,99)] or [(SDCTLNG=9) and SDCDFL1 in (3,4,7) and SDCDLHM in (2,6)] or [(SDCTLNG=9) and (SDCDFL1 in(7,99) and (SDCDLHM=7,99) and (ADM_N12 = 2) and (ADM_PRX =2 and PMKPROXY > 1)] or [SDCTLNG in (3,4,9) and (SDCDFL1=99) and SDCDLHM in (2,6)] or [(SDCTLNG=9) and SDCDFL1 in (2,6) and SDCDLHM=99)]	French



3	[(SDCTLNG=3) and SDCDFL1=3 and SDCDLHM in (3,7,99)] or [(SDCTLNG=3) and SDCDFL1=4 and SDCDLHM in (4,7,99)] or [(SDCTLNG=3) and SDCDFL1=7 and SDCDLHM in (3,4,7,99)] or [(SDCTLNG=4) and SDCDFL1=3 and SDCDLHM in (3,4,7,99)] or [(SDCTLNG=4) and SDCDFL1=4 and SDCDLHM in (3,4,7,99)] or [(SDCTLNG=4) and SDCDFL1=7 and SDCDLHM in (3,4)] or [(SDCTLNG=9) and SDCDFL1 in (3,4) and SDCDLHM in (3,4,7)] or [(SDCTLNG=9) and SDCDFL1=7 and SDCDLHM in (3,4)] or [(SDCTLNG in (3,4) and SDCDFL1=99 and SDCDLHM in (3,4,7,99)] or [(SDCTLNG in (9) and SDCDFL1=99 and SDCDLHM in (3,4)] or [(SDCTLNG in (9) and SDCDFL1 in (3,4) and SDCDLHM=99]	English and French	
4	[(SDCTLNG in (4,9) and SDCDFL1 in (7,99) and SDCDLHM in (7,99)] or	Neither English nor French	
9	[(SDCTLNG=9) and (SDCDFL1=99) and (SDCDLHM=99)]	At least one required question was not answered (don't know, refusal, not stated)	NS

## 2 ) Language(s) spoken at home - (D, G) - Grouped

**Variable name:** SDCGLHM

**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 converses at home.

Specifications			
Value	Condition(s)	Description	Notes
99	(SDC_5AA = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
1	(SDC_5AA = 1 and SDC_5AB > 1)	English (with or without language other than French)	
2	(SDC_5AA > 1 and SDC_5AB = 1)	French (with or without language other than English)	
3	(SDC_5AA = 1 and SDC_5AB = 1)	English & French (with or without other language)	

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

### 3 ) Immigration flag

**Variable name:** SDCFIMM

**Based on:** SDCCCB10, SDC\_3

**Description:** This variable indicates if the respondent is an immigrant.

Specifications			
Value	Condition(s)	Description	Notes
6	SDCCCB10 = NA	Population exclusions	NA
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	

### 4 ) Length of time in Canada since immigration - Grouped

**Variable name:** SDCGRES

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

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

**Note:** Non immigrants were excluded from the population.  
ADM\_MOI = Month of Interview (unpublished)

Specifications			
Value	Condition(s)	Description	Notes
996	SDC_3 = NA	Population exclusions	NA
999	(SDC_3 = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS

1	ADM_YOI (current year) - SDC_3 (SDC_3 < NA)	Length of time in Canada since immigration 0 - 9 years are grouped together	(min: 0; max: 9)
2	ADM_YOI (current year) - SDC_3 (SDC_3 < NA)	Length of time in Canada since immigration 10 - 130 years are grouped together	(min: 10; max: 130)

## 5 ) Culture / Race Flag - Grouped

**Variable name:** SDCGCGT

**Based on:** SDCDCGT, SDC\_41

**Description:** This variable indicates the cultural or racial origin of the respondent.

Specifications			
Value	Condition(s)	Description	Notes
9	(SDC_41 = DK, R, NS) (SDCDCGT = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
1	SDCDCGT= 1	White	
2	SDCDCGT= 2 or SDCDCGT= 3 or SDCDCGT= 4 or SDCDCGT= 5 or SDCDCGT= 6 or SDCDCGT= 7 or SDCDCGT= 8 or SDCDCGT= 9 or SDCDCGT= 10 or SDCDCGT= 11 or SDCDCGT= 12 or SDCDCGT= 13 or SDC_41 = 1	Non-white (Aboriginal or Other Visible Minority)	

## Self-esteem (1 DV)

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

### 1 ) Derived Self-Esteem Scale

<b>Variable name:</b>	SFEDE1
<b>Based on:</b>	SFE_501, SFE_502, SFE_503, SFE_504, SFE_505, SFE_506
<b>Description:</b>	This variable assesses the level of self-esteem (positive feeling) an individual has.
<b>Note:</b>	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 (SFET502 = DK, R, NS) or (SFET503 = DK, R, NS) or (SFET504 = DK, R, NS) or (SFET505 = DK, R, NS) or (SFET506 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS

---

SFET501 +	(0 <= SFET501 <= 4) and	Score obtained on the self-esteem scale	(min: 0; max: 24)
SFET502 +	(0 <= SFET502 <= 4) and		
SFET503 +	(0 <= SFET503 <= 4) and		
SFET504 +	(0 <= SFET504 <= 4) and		
SFET505 +	(0 <= SFET505 <= 4) and		
SFET506	(0 <= SFET506 <= 4)		

---

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

---

## Sleep (1 DV)

### 1 ) Number of hours spent sleeping per night - (G)

**Variable name:** SLPG01

**Based on:** SLP\_01

**Description:** This variable groups the number of hours spent sleeping per night

Specifications			
Value	Condition(s)	Description	Notes
96	SLP_01 = 96	Population exclusions	NA
99	SLP_01 in (97,98,99)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	SLP_01 = 1 or 2	Under 3 hours	
2	SLP_01 = 3	3 hours to less than 4 hours	
3	SLP_01 = 4	4 hours to less than 5 hours	
4	SLP_01 = 5	5 hours to less than 6 hours	
5	SLP_01 = 6	6 hours to less than 7 hours	
6	SLP_01 = 7	7 hours to less than 8 hours	
7	SLP_01 = 8	8 hours to less than 9 hours	
8	SLP_01 = 9	9 hours to less than 10 hours	
9	SLP_01 = 10	10 hours to less than 11 hours	
10	SLP_01 = 11	11 hours to less than 12 hours	
11	SLP_01 = 12	12 hours or more	

## 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 SMK_05D = 1	Occasional smoker (former daily smoker)	
3	SMK_202 = 2 and (SMK_05D = 2, NA)	Occasional smoker (never a daily smoker or has smoked less than 100 cigarettes lifetime)	
4	SMK_202 = 3 and SMK_05D = 1	Former daily smoker (non-smoker now)	
5	SMK_202 = 3 and [[SMK_05D = 2 or SMK_05D = 6] and [SMK_01A = 1 or SMK_01B = 1]]	Former occasional smoker (at least 1 whole cigarette, non-smoker now)	
6	SMK_202 = 3 and SMK_01A = 2 and SMK_01B = 2	Never smoked (a whole cigarette)	
99	(SMK_01A = DK, R, NS) or (SMK_01B = DK, R, NS) or (SMK_202 = DK, R, NS) or (SMK_05D = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS

**Reference:**

In 2010, the programming of the response categories for this derived variable was changed. Respondents who stated that they were non-smokers, did not smoke more than 100 cigarettes, but have smoked a whole cigarette (SMK\_202=3, SMK\_05D=5, SMK\_01A=2, and SMK\_01B=1) were being classified as not stated (SMKDSTY=99) and should have been classified former occasional smokers (at least 1 whole cigarette, non-smoker now)(SMKDSTY=5). Programming was adjusted to ensure that the category was being assigned correctly to all cases.

### 2 ) Number of Years Since Stopping Smoking Completely - Grouped

**Variable name:** SMKGSTP

**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 did not smoked a total of 100 cigarettes or more lifetime were excluded from the population.

### 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 (SMK_203 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
DHH_AGE - SMK_203	SMK_202 = 1	Number of years smoked daily	(min: 0; max: 125)



## Spirituality (1 DV)

### 1 ) Grouped Religion

**Variable name:** SPVGRL

**Based on:** SPVGRL11

**Description:** This variable groups the values for respondent's religion.

Specifications			
Value	Condition(s)	Description	Notes
96	SPVGRL11 = 96	Not applicable	NA
99	SPVGRL11 = 99	Not stated	NS
1	SPVGRL11=2	Christian	
2	SPVGRL11 in (1,3,4,5,6,7,8,9)	Other Religions	
3	SPVGRL11 = 10	No religious affiliation	

## Social Provisions Scale 10 Items (6 DVs)

This module is based on the Social Provisions Scale (24 items) developed by Cutrona and Russell (1987), and validated in French by Caron (1996). The Social Provisions Scale assesses the six provisions of social relationships described by Weiss (1973, 1974). For this survey, Dr. Caron developed this shorter version with 10 items, which includes the five main social provisions. The abbreviated version maintains the psychometric properties of the original instrument. There are derived variables to measure an overall score on the Social Provisions Scale, as well as sub-scales for the five social provisions assessed in the module. These sub-scales measure Attachment, Guidance, Social Integration, Reliable Alliance, and Reassurance of Worth.

The items related to the Opportunity for Nurturance social provision (providing assistance to others) were not retained for the following reasons:

- 1) This dimension of social provisions measures more the support offered than the support received;
- 2) In several research studies carried out previously, this dimension was least related to mental health;
- 3) To reduce module administration time.

Ref: Cutrona, C. E. & Russell, D. W., 1987, The provisions of social support and adaptation to stress. *Advance in Personal Relationships*, 1, 37-67.

Caron, J., 1996, L'Échelle de provisions sociales : une validation québécoise. *Santé mentale au Québec*, 21 (2), 158 - 180.

[Http://ccutrona.public.iastate.edu/socprov.htm](http://ccutrona.public.iastate.edu/socprov.htm)

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>SPST01</b>			
5 - SPS_01	SPS_01 <= 4	Invert from "1 to 4" to "4 to 1", where 1 becomes "Strongly disagree" and 4 becomes "Strongly agree".	
<b>SPST02</b>			
5 - SPS_02	SPS_02 <= 4	Invert from "1 to 4" to "4 to 1", where 1 becomes "Strongly disagree" and 4 becomes "Strongly agree".	
<b>SPST03</b>			
5 - SPS_03	SPS_03 <= 4	Invert from "1 to 4" to "4 to 1", where 1 becomes "Strongly disagree" and 4 becomes "Strongly agree".	
<b>SPST04</b>			
5 - SPS_04	SPS_04 <= 4	Invert from "1 to 4" to "4 to 1", where 1 becomes "Strongly disagree" and 4 becomes "Strongly agree".	
<b>SPST05</b>			
5 - SPS_05	SPS_05 <= 4	Invert from "1 to 4" to "4 to 1", where 1 becomes "Strongly disagree" and 4 becomes "Strongly agree".	
<b>SPST06</b>			
5 - SPS_06	SPS_06 <= 4	Invert from "1 to 4" to "4 to 1", where 1 becomes "Strongly disagree" and 4 becomes "Strongly agree".	
<b>SPST07</b>			
5 - SPS_07	SPS_07 <= 4	Invert from "1 to 4" to "4 to 1", where 1 becomes "Strongly disagree" and 4 becomes "Strongly agree".	
<b>SPST08</b>			
5 - SPS_08	SPS_08 <= 4	Invert from "1 to 4" to "4 to 1", where 1 becomes "Strongly disagree" and 4 becomes "Strongly agree".	
<b>SPST09</b>			
5 - SPS_09	SPS_09 <= 4	Invert from "1 to 4" to "4 to 1", where 1 becomes "Strongly disagree" and 4 becomes "Strongly agree".	
<b>SPST10</b>			
5 - SPS_10	SPS_10 <= 4	Invert from "1 to 4" to "4 to 1", where 1 becomes "Strongly disagree" and 4 becomes "Strongly agree".	

### 1 ) Social Provisions Overall Scale

**Variable name:** SPSDCON

**Based on:** SPS\_01, SPS\_02, SPS\_03, SPS\_04, SPS\_05, SPS\_06, SPS\_07, SPS\_08, SPS\_09, SPS\_10

**Description:** This variable is used to measure the overall score for the Social Provisions Scale. The range is 10-40, where a higher score reflects a higher level of perceived social support.

Specifications			
Value	Condition(s)	Description	Notes
99	SPS_01 in (7, 8, 9) or SPS_02 in (7, 8, 9) or SPS_03 in (7, 8, 9) or SPS_04 in (7, 8, 9) or SPS_05 in (7, 8, 9) or SPS_06 in (7, 8, 9) or SPS_07 in (7, 8, 9) or SPS_08 in (7, 8, 9) or SPS_09 in (7, 8, 9) or SPS_10 in (7, 8, 9)	At least one required question was not answered (don't know, refusal, not stated)	NS
SPST01 + SPST02 + SPST03 + SPST04 + SPST05 + SPST06 + SPST07 + SPST08 + SPST09 + SPST10	(1 <= SPS_01 <= 4) and (1 <= SPS_02 <= 4) and (1 <= SPS_03 <= 4) and (1 <= SPS_04 <= 4) and (1 <= SPS_05 <= 4) and (1 <= SPS_06 <= 4) and (1 <= SPS_07 <= 4) and (1 <= SPS_08 <= 4) and (1 <= SPS_09 <= 4) and (1 <= SPS_10 <= 4)	Score obtained on Social Provisions Scale (min: 10; max 40)	

## 2) Social Provisions Scale - Attachment

**Variable name:** SPSDATT

**Based on:** SPS\_03, SPS\_08

**Description:** This variable is used to measure the score of the respondent on the "Attachment" sub-scale. A higher score reflects a higher level of perceived "Attachment". Which is defined as emotional closeness.

Specifications			
Value	Condition(s)	Description	Notes
9	SPS_03 in (7, 8, 9) or SPS_08 in (7, 8, 9)	At least one required question was not answered (don't know, refusal, not stated)	NS
SPST03 + SPST08	(1 <= SPS_03 <= 4) and (1 <= SPS_08 <= 4)	Score obtained on Social Provisions Scale - Attachment (min: 2; max 8)	

## 3) Social Provisions Scale - Guidance

**Variable name:** SPSDGUI

**Based on:** SPS\_04, SPS\_06

**Description:** This variable is used to measure the score of the respondent on the "Guidance" sub-scale. A higher score reflects a higher level of perceived "Guidance" which is defined as advice or information.

Specifications			
Value	Condition(s)	Description	Notes
9	SPS_04 in (7, 8, 9) or SPS_06 in (7, 8, 9)	At least one required question was not answered (don't know, refusal, not stated)	NS

SPST04 + SPST06	(1 <= SPS_04 <= 4) and (1 <= SPS_06 <= 4)	Score obtained on Social Provisions Scale - Guidance (min: 2; max 8)
--------------------	--	--

#### 4 ) Social Provisions Scale - Reliable Alliance

**Variable name:** SPSPDALL

**Based on:** SPS\_01, SPS\_10

**Description:** This variable is used to measure the score of the respondent on the "Reliable Alliance" sub-scale. A higher score reflects a higher level of perceived "Reliable Alliance" which is defined as assurance that others can be counted on in times of stress.

##### Specifications

Value	Condition(s)	Description	Notes
9	SPS_01 in (7, 8, 9) or SPS_10 in (7, 8, 9)	At least one required question was not answered (don't know, refusal, not stated)	NS
SPST01 + SPST10	(1 <= SPS_01 <= 4) and (1 <= SPS_10 <= 4)	Score obtained on Social Provisions Scale - Reliable Alliance (min: 2; max 8)	

#### 5 ) Social Provisions Scale - Social Integration

**Variable name:** SPSPDINT

**Based on:** SPS\_02, SPS\_07

**Description:** This variable is used to measure the score of the respondent on the "Social Integration" sub-scale. A higher score reflects a higher level of perceived "Social Integration" which is defined as a sense of belonging to a group of friends.

##### Specifications

Value	Condition(s)	Description	Notes
9	SPS_02 in (7, 8, 9) or SPS_07 in (7, 8, 9)	At least one required question was not answered (don't know, refusal, not stated)	NS
SPST02 + SPST07	(1 <= SPS_02 <= 4) and (1 <= SPS_07 <= 4)	Score obtained on Social Provisions Scale - Social Integration (min: 2; max 8)	

#### 6 ) Social Provisions Scale - Reassurance of Worth

**Variable name:** SPSPDWOR

**Based on:** SPS\_05, SPS\_09

**Description:** This variable is used to measure the score of the respondent on the "Reassurance of Worth" sub-scale. A higher score reflects a higher level of perceived "Reassurance of Worth" which is defined as recognition of one's competence.

##### Specifications

Value	Condition(s)	Description	Notes
9	SPS_05 in (7, 8, 9) or SPS_09 in (7, 8, 9)	At least one required question was not answered (don't know, refusal, not stated)	NS

SPST05 + SPST09	(1 <= SPS_05 <= 4) and (1 <= SPS_09 <= 4)	Score obtained on Social Provisions Scale – Reassurance of Worth (min: 2; max 8)
--------------------	--	--

---

## 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>			
SSA_02	SSA_02 > 5	Carry through cases of RF, DK, NS	
(SSA_02 - 1)	SSA_02 <= 5	Rescale the answers from 1 to 5 to 0 to 4	Where 0 is "never" and 4 is "always"
<b>SSAT03</b>			
(SSA_03 - 1)	SSA_03 <= 5	Rescale the answers from 1 to 5 to 0 to 4	Where 0 is "never" and 4 is "always"
SSA_03	SSA_03 > 5	Carry through cases of RF, DK, NS	
<b>SSAT04</b>			
(SSA_04 - 1)	SSA_04 <= 5	Rescale the answers from 1 to 5 to 0 to 4	Where 0 is "never" and 4 is "always"
SSA_04	SSA_04 > 5	Carry through cases of RF, DK, NS	
<b>SSAT05</b>			
SSA_05	SSA_05 > 5	Carry through cases of RF, DK, NS	
(SSA_05 - 1)	SSA_05 <= 5	Rescale the answers from 1 to 5 to 0 to 4	Where 0 is "never" and 4 is "always"
<b>SSAT06</b>			
SSA_06	SSA_06 > 5	Carry through cases of RF, DK, NS	
(SSA_06 - 1)	SSA_06 <= 5	Rescale the answers from 1 to 5 to 0 to 4	Where 0 is "never" and 4 is "always"
<b>SSAT07</b>			
SSA_07	SSA_07 > 5	Carry through cases of RF, DK, NS	
(SSA_07 - 1)	SSA_07 <= 5	Rescale the answers from 1 to 5 to 0 to 4	Where 0 is "never" and 4 is "always"
<b>SSAT08</b>			
SSA_08	SSA_08 > 5	Carry through cases of RF, DK, NS	
(SSA_08 - 1)	SSA_08 <= 5	Rescale the answers from 1 to 5 to 0 to 4	Where 0 is "never" and 4 is "always"
<b>SSAT09</b>			
SSA_09	SSA_09 > 5	Carry through cases of RF, DK, NS	
(SSA_09 - 1)	SSA_09 <= 5	Rescale the answers from 1 to 5 to 0 to 4	Where 0 is "never" and 4 is "always"

**SSAT10**

SSA_10	SSA_10 > 5	Carry through cases of RF, DK, NS
(SSA_10 - 1)	SSA_10 <= 5	Rescale the answers from 1 to 5 to 0 to 4
		Where 0 is "never" and 4 is "always"

**SSAT11**

SSA_11	SSA_11 > 5	Carry through cases of RF, DK, NS
(SSA_11 - 1)	SSA_11 <= 5	Rescale the answers from 1 to 5 to 0 to 4
		Where 0 is "never" and 4 is "always"

**SSAT12**

SSA_12	SSA_12 > 5	Carry through cases of RF, DK, NS
(SSA_12 - 1)	SSA_12 <= 5	Rescale the answers from 1 to 5 to 0 to 4
		Where 0 is "never" and 4 is "always"

**SSAT13**

(SSA_13 - 1)	SSA_13 <= 5	Rescale the answers from 1 to 5 to 0 to 4
		Where 0 is "never" and 4 is "always"
SSA_13	SSA_13 > 5	Carry through cases of RF, DK, NS

**SSAT14**

(SSA_14 - 1)	SSA_14 <= 5	Rescale the answers from 1 to 5 to 0 to 4
		Where 0 is "never" and 4 is "always"
SSA_14	SSA_14 > 5	Carry through cases of RF, DK, NS

**SSAT15**

(SSA_15 - 1)	SSA_15 <= 5	Rescale the answers from 1 to 5 to 0 to 4
		Where 0 is "never" and 4 is "always"
SSA_15	SSA_15 > 5	Carry through cases of RF, DK, NS

**SSAT16**

(SSA_16 - 1)	SSA_16 <= 5	Rescale the answers from 1 to 5 to 0 to 4
		Where 0 is "never" and 4 is "always"
SSA_16	SSA_16 > 5	Carry through cases of RF, DK, NS

**SSAT17**

(SSA_17 - 1)	SSA_17 <= 5	Rescale the answers from 1 to 5 to 0 to 4
		Where 0 is "never" and 4 is "always"
SSA_17	SSA_17 > 5	Carry through cases of RF, DK, NS

**SSAT18**

(SSA_18 - 1)	SSA_18 <= 5	Rescale the answers from 1 to 5 to 0 to 4
		Where 0 is "never" and 4 is "always"
SSA_18	SSA_18 > 5	Carry through cases of RF, DK, NS

**SSAT19**

(SSA_19 - 1)	SSA_19 <= 5	Rescale the answers from 1 to 5 to 0 to 4
		Where 0 is "never" and 4 is "always"
SSA_19	SSA_19 > 5	Carry through cases of RF, DK, NS

**SSAT20**

SSA_20	SSA_20 > 5	Carry through cases of RF, DK, NS
(SSA_20 - 1)	SSA_20 <= 5	Rescale the answers from 1 to 5 to 0 to 4
		Where 0 is "never" and 4 is "always"

## 1 ) Tangible Social Support - MOS Subscale

**Variable name:** SSADTNG

**Based on:** SSA\_02, SSA\_05, SSA\_12, SSA\_15

**Description:** 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.

**Note:** 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 (SSAT05 = DK, R, NS) or (SSAT12 = DK, R, NS) or (SSAT15 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
SSAT02 + SSAT05 + SSAT12 + SSAT15	(0 <= SSAT02 <= 4) and (0 <= SSAT05 <= 4) and (0 <= SSAT12 <= 4) and (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 (SSAT10 = DK, R, NS) or (SSAT20 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
SSAT06 + SSAT10 + SSAT20	(0 <= SSAT06 <= 4) and (0 <= SSAT10 <= 4) and (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 (SSAT11 = DK, R, NS) or (SSAT14 = DK, R, NS) or (SSAT18 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
SSAT07 + SSAT11 + SSAT14 + SSAT18	(0 <= SSAT07 <= 4) and (0 <= SSAT11 <= 4) and (0 <= SSAT14 <= 4) and (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 (SSAT04 = DK, R, NS) or (SSAT08 = DK, R, NS) or (SSAT09 = DK, R, NS) or (SSAT13 = DK, R, NS) or (SSAT16 = DK, R, NS) or (SSAT17 = DK, R, NS) or (SSAT19 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS

---

SSAT03 +	(0 <= SSAT03 <= 4) and	Score obtained on the emotional / informal support subscale (min: 0; max: 32)
SSAT04 +	(0 <= SSAT04 <= 4) and	
SSAT08 +	(0 <= SSAT08 <= 4) and	
SSAT09 +	(0 <= SSAT09 <= 4) and	
SSAT13 +	(0 <= SSAT13 <= 4) and	
SSAT16 +	(0 <= SSAT16 <= 4) and	
SSAT17 +	(0 <= SSAT17 <= 4) and	
SSAT19	(0 <= SSAT19 <= 4)	

---

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 (UPE_02B = 1, 2) and (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 (UPE_02B = 3, 4) or (UPE_02C = 3, 4) or (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 (UPE_02B = DK, R, NS) or (UPE_02C = DK, R, NS) or (UPE_02D = DK, R, NS) or (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 (UPE_06B = 1, 2) and (UPE_06C = 1, 2)	Wears a helmet, wrist guards and elbow pads always or most of the time	

2	(UPE_06A = 3, 4) or (UPE_06B = 3, 4) or (UPE_06C = 3, 4)	Does not wear a helmet, wrist guards or elbow pads always or most of the time	
9	(UPE_06A = DK, R, NS) or (UPE_06B = DK, R, NS) or (UPE_06C = DK, R, NS)	At least one required question was not answered (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 (UPE_03B = 1, 4)	Population exclusions	NA
1	(UPE_05A = 1, 2) and (UPE_05B = 1, 2)	Wears a helmet and wrist guards always or most of the time	
2	(UPE_05A = 3, 4) or (UPE_05B = 3, 4)	Does not wear a helmet or wrist guards always or most of the time	
9	(UPE_05A = DK, R, NS) or (UPE_05B = DK, R, NS)	At least one required question was not answered (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 ACC_10 = 2 or WTM_01 = 2 or 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 ACC_10 = 2 or WTM_01 = 2 or WTM_04 = 1	Population exclusions	NA
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
9999	(WTM_08A = 997,998,999) or (WTM_08B = 9)	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

**Variable name:** WTMDSA

**Based on:** WTM\_07A, WTM\_08A, WTM\_10, WTM\_11A, WTM\_11B, WTMDSO, WTMDSN

**Description:** 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.

**Note:** 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 ACC_10 = 2 or WTM_01 = 2	Population exclusions	NA
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
9999	([WTM_07A = DK, R, NS] and WTM_10 = 1) or ([WTM_08A = DK, R, NS] and WTM_10 = 1) or (WTM_11A = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
WTMDSO	WTM_07A < 996 and WTM_10 = 1	Number of acceptable waiting days	
WTMDSN	WTM_08A < 996 and 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

**Variable name:** WTMDCO

**Based on:** WTM\_21A, WTM\_21B

**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 surgery actually took place.

**Note:** 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 ACC_20 = 2 or 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 ACC_20 = 2 or 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 ACC_20 = 2	Population exclusions	NA
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
9999	([WTM_21A = DK, R, NS] and WTM_24 = 1) or ([WTM_23A = DK, R, NS] and WTM_24 = 1) or (WTM_25A = DK, R, NS) or (WTM_25A < 996 and WTM_25B = 9)	At least one required question was not answered (don't know, refusal, not stated)	NS
WTMDCO	WTM_21A < 996 and WTM_24 = 1	Number of acceptable waiting days	
WTMDCN	WTM_23A < 996 and 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 ACC_30 = 2 or 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 ACC_30 = 2 or 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 ACC_30 = 2	Population exclusions	NA
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
9999	([WTM_38A = DK, R, NS] and WTM_40 = 1) or ([WTM_39A = DK, R, NS] and WTM_40 = 1) or (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 WTM_40 = 1	Number of acceptable waiting days	
WTMDTN	WTM_39A < 996 and 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	



## Smoking - Youth smoking (1 DV)

### 1 ) Source of cigarettes - (G)

**Variable name:** YSMG1

**Based on:** YSM\_1

**Description:** This variable groups the source of cigarettes.

Specifications			
Value	Condition(s)	Description	Notes
6	YSM_1 = 96	Not applicable	
9	YSM_1 = 98, 99	Not stated	
1	YSM_1 = 2	Buy from - Small Grocery/Corner Store	
2	YSM_1 = 1, 3, 4, 5, 6, or 7	Buy from - Other than small grocery	
3	YSM_1 = 8, 9, 10, 11, or 12	Other	