

# Canadian Community Health Survey (CCHS)

2007

Derived Variable (DV) Specifications -  
Sub-Sample 1 (HSAS)

Master and share files



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## Alcohol use (1 DV)

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

**Variable name:** ALCDTTM

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

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

**Introduced in:** CCHS - Cycle 4.1 - 2007

**Note:** This derived variable is new for 2007. Some of the questions contained within the Alcohol Use module in previous cycles have been moved to new modules in 2007. 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 the new modules (Alcohol Use During the Past Week, Alcohol Use - Former Drinkers) and are only calculated for the health regions that selected the new modules. The new derived variable ALCDTTM was created to allow the classification of all respondents according to their drinking habits in the past 12 months.

#### Specifications

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

## Dwelling and household variables (9 DVs)

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

**Variable name:** DHHDYKD

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

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

**Introduced in:** CCHS - Cycle 3.1

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

#### Specifications

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

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

**Variable name:** DHHDOKD

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

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

**Introduced in:** CCHS - Cycle 3.1

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

#### Specifications

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

### 3) Household Size

**Variable name:** DHHDHSZ

**Based on:** Based on household roster, SAMPLEID, PERSONID

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

03/06/2008

**Introduced in:** CCHS - Cycle 1.1

**Note:** This variable is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONID's within each SAMPLEID.

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

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

**Variable name:** DHHDL12

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

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

**Introduced in:** CCHS - Cycle 1.1

**Note:** This variable is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONID's that have a DHH\_AGE value less than 12 within each SAMPLEID.

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

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

**Variable name:** DHHDL5

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

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

**Introduced in:** CCHS - Cycle 1.1

**Note:** This variable is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONID's that have a DHH\_AGE value less than 6 within each SAMPLEID.

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



with each  
SAMPLEID

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

- Variable name:** DHH611
- Based on:** SAMPLEID, PERSONID, DHH\_AGE
- Description:** This variable indicates the number of people living within a household whose age is between 6 and 11 years old.
- Introduced in:** CCHS - Cycle 1.1
- Note:** This variable is derived by sorting the household roster dataset by SAMPLEID and PERSONID and by counting the number of PERSONID's that have a DHH\_AGE value from 6 to 11 within each SAMPLEID.

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

## 7) Economic Family Status (Household Type)

- Variable name:** DHHDECF
- Based on:** DHH\_REL for all PERSONID in SAMPLEID, DHH\_AGE, DHH\_SEX, DHHDSZ
- Description:** This variable identifies the family relationships within the household. Economic family refers to a group of two or more persons who live in the same dwelling and are related to each other by blood, marriage, common-law or adoption. A couple may be of opposite or same sex. Foster children are included.
- Introduced in:** CCHS - Cycle 1.1
- Note:** The necessary data is collected using a set of relationship codes that define a link between each person in a household. All relationships within each sample (relationship of each person in a household to each other person within that household) are used in creating this variable. The variable was based on the ages and reported relationships of each person to all others in the household. The matrix of relationship codes is not placed on the master file. Beginning in 2007, foster children under 18 years of age are now coded to "child".

Temporary Reformat			
Value	Condition(s)	Description	Notes
DHH_REL			
Z	R, NS	Not stated	Relationship Codes
A	40, 41, 42, 43	Parental (40 = Father/Mother, 41 = Birth Father/Mother, 42 = Step Father/Mother, 43 = Adoptive Father/Mother)	Relationship Codes

L	60, 61, 62, 63, 64, 65, 70, 80, 90, 100, 110, 111, 112, 113, 114, 120, 121, 122, 123, 124, 260, 261, 262, 263	Other (60 = Brother/Sister, 61 = Full Sister/Brother, 62 = Half Sister/Brother, 63 = Step Sister/Brother, 64 = Adopted Sister/Brother, 65 = Foster Sister/Brother, 70 = Foster Parent, 80 = Foster Child, 90 = Grandparent, 100 = Grandchild, 110 = In-Law, 111 = Father/Mother-in-law, 112 = Son/Daughter-in-law, 113 = Brother/Sister-in-law, 114 = Other in-law, 120 = Other Related, 121 = Uncle/Aunt, 122 = Cousin, 123 = Nephew/Niece, 124 = Other Relative, 260 = Unrelated, 261 = Boyfriend/Girlfriend, 262 = Room-mate, 263 = Other Unrelated)	Relationship Codes
M	50, 51, 52, 53 (sorted by age)	Child (50 = Son/Daughter, 51 = Birth Child, 52 = Step Child, 53 = Adopted Child)	Relationship Codes
X	10, 20	Spouse (10 = Husband/Wife, 20 = Common Law Partner)	Relationship Codes
Y	251	Single	Relationship Codes

<b>Specifications</b>
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Value	Condition(s)	Description	Notes
99	Any DHH_REL = Z	Not Stated	NS
1	DHHDHSZ = 1	Unattached Individual  Unattached individual living alone (Household size=1)	
2	All DHH_REL for all PERSONID in SAMPLEID in (L,Y)	Unattached Individual Living With Others  Unattached individuals living together. There cannot be a marital/common-law or parental relationship but other relationships such as siblings are permitted	
3	DHHDHSZ = 2 and DHH_REL for both PERSONID in SAMPLEID = X	Couple Alone  Married or C/L with no children. No other relationships are permitted. (Household size=2)	
4	DHHDHSZ > 2 and At least 2 PERSONID in SAMPLEID must have an DHH_REL = X and DHH_REL for all PERSONID in SAMPLEID <> A and M	Couple With No Children, Others  Married or C/L with no children. There can be no parent/child relationships. Other relationships are permitted	
5	DHHDHSZ > 2 and At least 2 PERSONID in SAMPLEID must have an DHH_REL = X and At least one of which must have an DHH_REL = A. All others PERSONID in SAMPLEID must have DHH_REL = M and of these at least one is DHH_AGE < 25	Couple With Children < 25  Married or C/L couple with at least one partner being the parent of a dependent child. No other relationships are permitted	
6	At least 2 PERSONID in SAMPLEID must have an DHH_REL = X and At least one of which must have an DHH_REL = A. At least one other PERSONID in SAMPLEID must have DHH_REL = M with the above PERSONID and of these at least one is DHH_AGE < 25	Couple With Children < 25, Others  Married or C/L couple with at least one partner being the parent of one child <25 years old in the household. Other relationships are permitted	
7	DHHDHSZ > 2 and At least 2 PERSONID in SAMPLEID must have an DHH_REL = X and At least one of which must have an DHH_REL = A. All others PERSONID in SAMPLEID must have DHH_REL = M and of these DHH_AGE >= 25	Couple With All Children >=25  Married or C/L couple with all children >=25 years old. No other relationships are permitted	

8	DHHDHSZ > 2 and At least 2 PERSONID in SAMPLEID must have an DHH_REL = X and At least one of which must have an DHH_REL = A. At least one other PERSONID in SAMPLEID must have DHH_REL = M with the above PERSONID and of these DHH_AGE >= 25	Couple With All Children >=25, Others  Married or C/L couple with all children >=25 years old. Other relationships are permitted
9	DHHDHSZ > 1 and One PERSONID in SAMPLEID must have DHH_REL = A and DHH_SEX = 2. All others PERSONID in SAMPLEID must have DHH_REL = M and of these at least one DHH_AGE < 25	Female Lone Parent With Children < 25  One child must be <25 years old. No other relationships are permitted.
10	DHHDHSZ > 1 and One PERSONID in SAMPLEID must have DHH_REL = A and DHH_SEX = 2. At least one other PERSONID in SAMPLEID must have DHH_REL = M with the above PERSONID and of these at least one DHH_AGE < 25	Female Lone Parent With Children < 25, Others  One child must be <25 years old. Other relationships are permitted
11	DHHDHSZ > 1 and One PERSONID in SAMPLEID must have DHH_REL = A and DHH_SEX = 2. All others PERSONID in SAMPLEID must have DHH_REL = M and of these DHH_AGE >= 25	Female Lone Parent With All Children >=25  All children must be >=25 years old. No other relationships are permitted
12	DHHDHSZ > 1 and One PERSONID in SAMPLEID must have DHH_REL = A and DHH_SEX = 2. At least one other PERSONID in SAMPLEID must have DHH_REL = M with the above PERSONID and of these DHH_AGE >= 25	Female Lone Parent With All Children >=25, Others  All children must be >=25 years old. Other relationships are permitted
13	DHHDHSZ > 1 and One PERSONID in SAMPLEID must have DHH_REL = A and DHH_SEX = 1. All others PERSONID in SAMPLEID must have DHH_REL = M and of these at least one DHH_AGE < 25	Male Lone Parent With Children < 25  One child must be < 25 years old. No other relationships are permitted
14	DHHDHSZ > 1 and One PERSONID in SAMPLEID must have DHH_REL = A and DHH_SEX = 1. At least one other PERSONID in SAMPLEID must have DHH_REL = M with the above PERSONID and of these at least one DHH_AGE < 25	Male Lone Parent With Children <25, Others  One child must be <25 years old. Other relationships are permitted
15	DHHDHSZ > 1 and One PERSONID in SAMPLEID must have DHH_REL = A and DHH_SEX = 1. All others PERSONID in SAMPLEID must have DHH_REL = M and of these DHH_AGE >= 25	Male Lone Parent With All Children >=25  All children must be >=25 years old. No other relationships are permitted
16	DHHDHSZ > 1 and One PERSONID in SAMPLEID must have DHH_REL = A and DHH_SEX = 1. At least one other PERSONID in SAMPLEID must have DHH_REL = M with the above PERSONID and of these DHH_AGE >= 25	Male Lone Parent With All Children >=25, Others  All children must be >=25 years old. Other relationships are permitted
17	Else	Other Family Type  All other household types

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

## 8) Living/ Family Arrangement of Selected Respondent

**Variable name:** DHHDLVG

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

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

**Introduced in:** CCHS - Cycle 1.1

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

Temporary Reformat			
Value	Condition(s)	Description	Notes
DHH_REL			
Z1	NS	Not stated	Relationship Codes
A1	40, 41, 42, 43	Parental (40 = Father/Mother, 41 = Birth Father/Mother, 42 = Step Father/Mother, 43 = Adoptive Father/Mother)	Relationship Codes
B1	50, 51, 52, 53	Child (50 = Son/Daughter, 51 = Birth Child, 52 = Step Child, 53 = Adopted Child)	Relationship Codes
C1	60, 61, 62, 63, 64	Sibling (60 = Brother/Sister, 61 = Full Sister/Brother, 62 = Half Sister/Brother, 63 = Step Sister/Brother, 64 = Adopted Sister/Brother)	Relationship Codes
K1	90, 100, 110, 111, 112, 113, 114, 120, 121, 122, 123, 124	Other relative (90 = Grandparent, 100 = Grandchild, 110 = In-Law, 111 = Father/Mother-in-law, 112 = Son/Daughter-in-law, 113 = Brother/Sister-in-law, 114 = Other in-law, 120 = Other Related, 121 = Uncle/Aunt, 122 = Cousin, 123 = Nephew/Niece, 124 = Other Relative)	Relationship Codes
L1	65, 70, 80, 260, 261, 262, 263	Non-relative (65 = Foster Sister/Brother, 70 = Foster Parent, 80 = Foster Child, 260 = Unrelated, 261 = Boyfriend/Girlfriend, 262 = Room-mate, 263 = Other Unrelated)	Relationship Codes
X1	10, 20	Spouse/Partner (10 = Husband/Wife, 20 = Common Law Partner)	Relationship Codes

Specifications			
Value	Condition(s)	Description	Notes
99	Any DHH_REL = Z1	Not Stated	NS
1	DHHDSZ = 1	Unattached individual living alone  Lives alone (Household size=1)	
2	All DHH_REL <> X1 and A1	Unattached individual living with others  Lives with others. S/he cannot have a marital/common-law or parental relationship but other relationships such as siblings are allowed	
3	DHHDSZ = 2 and DHH_REL = X1	Spouse/partner living with spouse/partner  Lives with spouse/partner only. (Household size=2)	

4	DHHDSZ > 2 and One DHH_REL = X1 and all other DHH_REL = A1	Parent living with spouse/partner and children Lives with spouse/partner and child(ren)
5	All DHH_REL = A1	Single parent living with children Lives with child(ren). No other relationships are permitted
6	DHHDSZ = 2 and DHH_REL = B1	Child living with a single parent. (Household size=2)
7	DHHDSZ > 2 and One DHH_REL = B1 and all other DHH_REL = C1	Child living with a single parent and siblings
8	DHHDSZ = 3 and All DHH_REL = B1	Child living with two parents. (Household size=3)
9	DHHDSZ > 3 and Two DHH_REL = B1 and all other DHH_REL = C1	Child living with two parents and siblings
10	Else	Other Lives in a household composition not classified above

## 9) Dwelling Type

**Variable name:** DHHDDWE

**Based on:** DHH\_DW1, DHH\_DW2 (not on the file)

**Description:** This variable indicates the type of dwelling the respondent lives in, according to the answer given either on the phone (DHH\_DW1 for an Area Frame case, or DHH\_DWT for a Telephone Frame case) or face-to-face (DHH\_DW2).

**Introduced in:** CCHS - Cycle 1.1

Specifications			
Value	Condition(s)	Description	Notes
96	DHH_DW1 = NA or DHH_DW2 = NA or DHH_DWT = NA	Population exclusions	NA
99	(DHH_DW1 = DK, R, NS) or (DHH_DW2 = DK, R, NS) or (DHH_DWT = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
1	(DHH_DW1 = 1) or (DHH_DW2 = 1) or (DHH_DWT = 1)	Single detached	
2	(DHH_DW1 = 2) or (DHH_DW2 = 2) or (DHH_DWT = 2)	Double	
3	(DHH_DW1 = 3) or (DHH_DW2 = 3) or (DHH_DWT = 3)	Row or terrace	
4	(DHH_DW1 = 4) or (DHH_DW2 = 4) or (DHH_DWT = 4)	Duplex	

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5	(DHH_DW1 = 5) or (DHH_DW2 = 5) or (DHH_DWT = 5)	Low-rise apartment (< 5 stories) or flat
6	(DHH_DW1 = 6) or (DHH_DW2 = 6) or (DHH_DWT = 6)	High-rise apartment (5 stories or more)
8	(DHH_DW1 = 8) or (DHH_DW2 = 8) or (DHH_DWT = 8)	Hotel/rooming house/camp
9	(DHH_DW1 = 9) or (DHH_DW2 = 9) or (DHH_DWT = 9)	Mobile home
10	(DHH_DW1 = 10) or (DHH_DW2 = 10) or (DHH_DWT = 10)	Other

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## Education (4 DVs)

### 1) 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.

**Introduced in:** CCHS - Cycle 1.1

**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.

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

**Variable name:** EDUDH10

**Based on:** EDUDR10 for each member of the household

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

**Introduced in:** CCHS - Cycle 1.1

**Note:** This variable is derived by temporarily creating EDUDR10 for each member of the household (all PERSONID within SAMPLEID). The highest value is then obtained by comparing values of EDUDR10 for all members within the household. If any PERSONID has EDUDR10 of NS (not stated) then NS is returned. If all of EDUDR10 are NA (not applicable) then NA is returned.

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

**Variable name:** EDUDR04

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

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

**Introduced in:** CCHS - Cycle 1.1

Specifications			
Value	Condition(s)	Description	Notes
1	[(EDU_1 = 1, 2) or EDU_2 = 2] and EDU_3 = 2	Less than secondary school graduation	
2	EDU_2 = 1 and EDU_3 = 2	Secondary school graduation, no post-secondary education	
3	EDU_4 = 1	Some post-secondary education	
4	(2 <= EDU_4 <= 6)	Post-secondary degree/diploma	

9	(EDU_2 = DK, R, NS) or (EDU_3 = DK, R, NS) or (EDU_4 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
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#### 4) Highest Level of Education - Respondent, 10 Levels

**Variable name:** EDUDR10

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

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

**Introduced in:** CCHS - Cycle 1.1

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



## Food security (2 DVs)

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>DHHTDKS</b>			
0	DHHDYKD = 0 and DHHOKD = 0	Set value to 0 to indicate households WITHOUT children	
1	DHHDYKD <> 0 or DHHOKD <> 0	Set value to 1 to indicate households WITH children	

### 1) Household food security status

**Variable name:** FSCDHFS

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

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

- 1 - Food secure: Household members show no or minimal evidence of food insecurity.
- 2 - Food insecure without hunger: Household members feel anxious about running out of food or compromise on the quality of foods they eat by choosing less expensive options. Little or no reduction in the household members' food intake is reported.
- 3 - Food insecure with MODERATE hunger: Food intake for adults in the household has been reduced to an extent that implies that adults have repeatedly experienced the physical sensation of hunger. In most (but not all) food insecure households with children, such reductions are not observed at this stage for children.
- 4 - Food insecure with SEVERE hunger: At this level, all households with children have reduced the children's food intake to an extent indicating that the children have experienced hunger. Adults in households with and without children have repeatedly experienced more extensive reductions in food intake.

**Introduced in:** CCHS - Cycle 3.1

**Note:** Households with children are defined as households with individuals who are either aged 15 or less (DHHDYKD=1), or aged 16 or 17 (DHHOKD=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).

**Internet site:** [www.ers.usda.gov/briefing/foodsecurity](http://www.ers.usda.gov/briefing/foodsecurity)

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>FSCT020</b>			
0	FSC_020 = 3	Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above.	
1	(FSC_020 = 1 or 2)	Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above.	
<b>FSCT030</b>			
0	FSC_030 = 3	Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above.	

1	(FSC_030 = 1 or 2)	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	Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above.
1	(FSC_040 = 1 or 2)	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 = 3 or NA)	Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above.
1	(FSC_050 = 1 or 2)	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>FSC060</b>		
0	(FSC_060 = 3 or NA)	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 = 1 or 2)	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>FSC070</b>		
0	(FSC_070 = 3 or NA)	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 = 1 or 2)	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>FSC080</b>		
0	(FSC_080 = 2 or NA)	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	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>FSC081</b>		
0	(FSC_081 = 3 or NA)	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 = 1 or 2)	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>FSC090</b>		

0	(FSC_090 = 2 or NA)	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	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>FSCT100</b>		
0	(FSC_100 = 2 or NA)	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	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>FSCT110</b>		
0	(FSC_110 = 2 or NA)	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	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>FSCT120</b>		
0	(FSC_120 = 2 or NA)	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	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 = 3 or NA)	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 = 1 or 2)	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 = 2 or NA)	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	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 = 2 or NA)	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	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 = 3 or NA)	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 = 1 or 2)	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 = 2 or NA)	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	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 = 2 or NA)	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	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>FSCTSUM</b>		
FSCT020 + FSCT030 + FSCT040 + FSCT050 + FSCT060 + FSCT070 + FSCT080 + FSCT081 + FSCT090 + FSCT100 + FSCT110 + FSCT120 + FSCT121 + FSCT130 + FSCT140 + FSCT141 + FSCT150 + FSCT160	All	Sum of all temporary variables to be used in determining the level of household food insecurity (Min: 0; Max: 18)

**Specifications**

Value	Condition(s)	Description	Notes
9	(FSC_020 = DK, R, NS) or (FSC_030 = DK, R, NS) or (FSC_040 = DK, R, NS) or (FSC_050 = DK, R, NS) or (FSC_060 = DK, R, NS) or (FSC_070 = DK, R, NS) or (FSC_080 = DK, R, NS) or (FSC_081 = DK, R, NS) or (FSC_090 = DK, R, NS) or	At least one required question was not answered (don't know, refusal, not stated)	NS

	(FSC_100 = DK, R, NS) or (FSC_110 = DK, R, NS) or (FSC_120 = DK, R, NS) or (FSC_121 = DK, R, NS) or (FSC_130 = DK, R, NS) or (FSC_140 = DK, R, NS) or (FSC_141 = DK, R, NS) or (FSC_150 = DK, R, NS) or (FSC_160 = DK, R, NS)	
0	(0 <= FSCTSUM <= 2)	Food secure
1	[DHHTDKS = 1 and (3 <= FSCTSUM <= 7)] or [DHHTDKS = 0 and (3 <= FSCTSUM <= 5)]	Food insecure without hunger
2	[DHHTDKS = 1 and (8 <= FSCTSUM <= 12)] or [DHHTDKS = 0 and (6 <= FSCTSUM <= 8)]	Food insecure with moderate hunger
3	[DHHTDKS = 1 and (13 <= FSCTSUM <= 18)] or [DHHTDKS = 0 and (9 <= FSCTSUM <= 10)]	Food insecure with severe hunger

Reference: The model for "household food security status" levels is adopted from the U.S. model of food security status levels published by U.S. Department of Agriculture in 2000. For more information about this model, please see Bickel, Gary, Mark Nord, Cristofer Price, William Hamilton, and John Cook, "Guide to Measuring Household Food Security, Revised 2000"

## 2) Household Food Security Status - Modified version

**Variable name:** FSCDHFS2

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

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

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

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

**Introduced in:** CCHS - Cycle 4.1 - 2007

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

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

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

### Temporary Reformat

Value	Condition(s)	Description	Notes
FSCASUM			

FSCT020 + FSCT030 + FSCT040 + FSCT080 + FSCT081 + FSCT090 + FSCT100 + FSCT110 + FSCT120 + FSCT121	All	Sum of all temporary variables for adults to be used in determining the level of household food insecurity (Min: 0; Max: 10)  Total will range from 0 to 10.
<b>FSCCSUM</b>		
FSCT050 + FSCT060 + FSCT070 + FSCT130 + FSCT140 + FSCT141 + FSCT150 + FSCT160	All	Sum of all temporary variables for children to be used in determining the level of household food insecurity (Min: 0; Max: 8)  Total will range from 0 to 8.
<b>FSCT020</b>		
0	FSC_020 = 3	Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above.
1	(FSC_020 = 1 or 2)	Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above.
<b>FSCT030</b>		
0	FSC_030 = 3	Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above.
1	(FSC_030 = 1 or 2)	Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above.
<b>FSCT040</b>		
0	FSC_040 = 3	Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above.
1	(FSC_040 = 1 or 2)	Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above.
<b>FSCT050</b>		
0	(FSC_050 = 3 or NA)	Set the value to 0 if respondent did not provide an "affirmative" response to food security questions. Set the value to 1, if respondent did provide an "affirmative" response. See note above.
1	(FSC_050 = 1 or 2)	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>FSCT060</b>		
0	(FSC_060 = 3 or NA)	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 = 1 or 2)	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>FSC070</b>		
0	(FSC_070 = 3 or NA)	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 = 1 or 2)	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>FSC080</b>		
0	(FSC_080 = 2 or NA)	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	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>FSC081</b>		
0	(FSC_081 = 3 or NA)	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 = 1 or 2)	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>FSC090</b>		
0	(FSC_090 = 2 or NA)	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	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>FSC100</b>		
0	(FSC_100 = 2 or NA)	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	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>FSC110</b>		
0	(FSC_110 = 2 or NA)	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	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>FSC120</b>		

0	(FSC_120 = 2 or NA)	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	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 = 3 or NA)	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 = 1 or 2)	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 = 2 or NA)	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	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 = 2 or NA)	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	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 = 3 or NA)	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 = 1 or 2)	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 = 2 or NA)	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	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 = 2 or NA)	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	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.
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## Specifications

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

## 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.
- Introduced in:** CCHS - Cycle 1.1
- 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.
- Introduced in:** CCHS - Cycle 1.1
- 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:** FVCDLAL

**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.

**Introduced in:** CCHS - Cycle 1.1

**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.

**Introduced in:** CCHS - Cycle 1.1

**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.

**Introduced in:** CCHS - Cycle 1.1

**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.

**Introduced in:** CCHS - Cycle 1.1

**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, FVCDLFRU, FVCDPOT, FVCDLFRU, FVCDVEG

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

**Introduced in:** CCHS - Cycle 1.1

**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 FVCDSAL = NS or FVCDPOT = NS or FVDCAR = NS or FVCDVEG = NS	At least one required question was not answered (don't know, refusal, not stated)	NS
FVCDJUI + FVCDFRU + FVCDSAL + FVCDPOT + FVDCAR + FVCDVEG	(0 <= FVCDJUI <= 20) and (0 <= FVCDFRU <= 20) and (0 <= FVCDSAL <= 20) and (0 <= FVCDPOT <= 20) and (0 <= FVDCAR <= 20) and (0 <= FVCDVEG <= 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.

**Introduced in:** CCHS - Cycle 1.1

**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 (2 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.

**Introduced in:** CCHS - Cycle 1.1

**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.

**Introduced in:** CCHS - Cycle 2.1

**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	





## Geography variables (15 DVs)

The April 2007 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) Postal Code

<b>Variable name:</b>	GEODPC
<b>Based on:</b>	Respondent address information
<b>Description:</b>	The Canadian postal code offers a unique reference system which provides a means of identifying a mail delivery location. It is composed of six alpha-numeric characters, in the form of "ANA NAN", where "A" represents a letter of the alphabet and "N" a number. The first character of a postal code (allocated in alphabetic sequence from east to west across Canada) represents a province or territory or a major sector entirely within a province. GEODPC is derived from the respondents available address information.
<b>Introduced in:</b>	CCHS - Cycle 1.1

### 2) Health Region

<b>Variable name:</b>	GEODHR4
<b>Based on:</b>	GEODPC
<b>Description:</b>	This variable is a 4-digit number that identifies the health region. Health regions refer to health administrative areas defined by the provincial ministries of health. For complete Canadian coverage, each of the northern territories represents its own health region. This variable is derived using the information available on the survey frame at the time of sampling and the geographic information provided by the respondent. The health regions for 2007 are based on the dissemination areas from the 2006 Census.
<b>Introduced in:</b>	CCHS - Cycle 1.1
<b>Note:</b>	<p>The values for GEODHR4 (Health Region) for Alberta match the code set that is used by the province of Alberta (4821-4829). The code set used during sampling was changed on the final file to accommodate this request from Alberta. The peer groups also reflect the health region code set used by Alberta.</p> <p>More details on health regions can be found in the "Health regions and peer groups" section of the online publication "Health Indicators", Statistics Canada, catalogue number 82-221-XIE. Correspondence files (linking health regions to latest census geographic codes) and digital boundary files are also available in the online publication "Health regions: Boundaries and Correspondence with Census Geography", Statistics Canada, catalogue number 82-402-XWE.</p>

### 3) Ontario Local Health Integration Network

<b>Variable name:</b>	GEODLHN
<b>Based on:</b>	GEOPRV, GEODPC
<b>Description:</b>	This variable is a 4-digit number that identifies the sub-provincial health areas of Ontario. It is equal to 9996 everywhere outside Ontario. Data in Ontario are provided for two levels of geography: Public Health Units (PHU) and the Local Health Integration Networks (LHIN). The 2007 LHINs are based on the geography from the 2006 Census.
<b>Introduced in:</b>	CCHS - Cycle 3.1

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**4) 2006 Census Dissemination Area (DA)**

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**Variable name:** GEODDA06**Based on:** GEODPC**Description:** The dissemination area (DA) is a small, relatively stable geographic unit composed of one or more dissemination blocks. It is the smallest standard geographic area for which all census data are disseminated. DAs cover all the territory of Canada. Using GEODPC, GEODDA06 is derived using the Postal Code Conversion File (PCCF), which provides a correspondence between the six character postal code and Statistics Canada's standard geographical areas for which census data and other statistics are produced. It is composed of the two digit province/territory code, the two digit census division code and the four digit dissemination area code. When the postal code corresponds to more than one DA, the case is assigned using the "most probable DA approach". GEODDA06 is based on the geography from the 2006 Census.**Introduced in:** CCHS - Cycle 4.1 - 2007**Note:** There are 2 variables on the final file for Dissemination Area - 1 using the geography from the 2006 Census (GEODDA06) and 1 using the geography from the 2001 Census (GEODDA01).

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**5) 2001 Census Dissemination Area (DA)**

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**Variable name:** GEODDA01**Based on:** GEODPC**Description:** Similar to GEODDA06 but based on the geography from the 2001 Census.**Introduced in:** CCHS - Cycle 4.1 - 2007

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**6) 2006 Census Federal Electoral District (FED)**

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**Variable name:** GEODFED**Based on:** GEODDA06**Description:** A federal electoral district refers to any place or territorial area entitled to elect a representative member to serve in the House of Commons (Source: Canada Elections Act, 1990). There are 308 FEDs in Canada, and the FEDs used for the 2006 Census are based on the 2003 Representation Order. The first two digits identify the province or territory.**Introduced in:** CCHS - Cycle 1.1

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**7) 2006 Census Subdivision (CSD)**

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**Variable name:** GEODCSD**Based on:** GEODDA06**Description:** The Census Subdivision is the general term applied to municipalities (as determined by provincial legislation) or their equivalent, e.g., Indian reserves, Indian settlements and unorganized territories. In Newfoundland and Labrador, Nova Scotia and British Columbia, the term also describes geographic areas that have been created by Statistics Canada in co-operation with the provinces as equivalents for municipalities. GEODCSD is derived from GEODDA06 using the Postal Code Conversion File (PCCF).

**Introduced in:** CCHS - Cycle 1.1

## 8) 2006 Census Division (CD)

**Variable name:** GEODCD

**Based on:** GEODDA06

**Description:** The Census Division refers to geographic areas established by provincial law, which are intermediate geographic areas between the census subdivision and the province (e.g., divisions, counties, regional districts, regional municipalities and seven other types of geographic areas made up of groups of census subdivisions). In Newfoundland and Labrador, Manitoba, Saskatchewan and Alberta, provincial law does not provide for these administrative geographic areas. Therefore, census divisions have been created by Statistics Canada in co-operation with these provinces. GEODCD is derived from GEODDA06 using the Postal Code Conversion File (PCCF).

**Introduced in:** CCHS - Cycle 1.1

## 9) Statistical Area Classification Type (SAT)

**Variable name:** GEODSAT

**Based on:** GEODCSD

**Description:** The Statistical Area Classification (SAC) groups census subdivisions (CSDs) according to whether they are a component of a census metropolitan area (CMA), a census agglomeration (CA), a census metropolitan area and census agglomeration influenced zone (strong MIZ, moderate MIZ, weak MIZ or no MIZ), or the territories (Northwest Territories, Yukon Territory and Nunavut). A SAC code type is assigned to each CSD. The SAC is used for data dissemination purposes.

**Introduced in:** CCHS - Cycle 2.1

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

## 10) 2006 Census Metropolitan Area (CMA)

**Variable name:** GEODCMA6

**Based on:** GEODPC

**Description:** The general concept of a census metropolitan area (CMA) is one of a very large urban area, together with adjacent urban and

rural areas which have a high degree of economic and social integration with that urban area. A CMA is delineated around an urban area (called the urbanized core and having a population of at least 100,000, based on the previous census). There are 33 CMAs according to the 2006 Census definition. When a postal code is not in a CMA, this variable is equal to 000.

**Introduced in:** CCHS - Cycle 4.1 - 2007

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

Specifications			
Value	Condition(s)	Description	Notes
000		No CMA assigned	
001		St. John's	
205		Halifax	
305		Moncton	
310		Saint John	
408		Saguenay	
421		Québec	
433		Sherbrooke	
442		Trois-Rivières	
462		Montréal	
505		Ottawa - Gatineau	
521		Kingston	
529		Peterborough	
532		Oshawa	
535		Toronto	
537		Hamilton	
539		St. Catharines - Niagara	
541		Kitchener	
543		Brantford	
550		Guelph	
555		London	
559		Windsor	
568		Barrie	
580		Greater Sudbury / Grand Sudbury	
595		Thunder Bay	
602		Winnipeg	
705		Regina	
725		Saskatoon	
825		Calgary	
835		Edmonton	
915		Kelowna	
932		Abbotsford	
933		Vancouver	

935

Victoria

**11) 2001 Census Metropolitan Area (CMA)****Variable name:** GEODCMA1**Based on:** GEODPC**Description:** Similar to GEODCMA6 but based on the geography from the 2001 Census. There were only 27 CMAs according to the 2001 Census (Moncton, Peterborough, Brantford, Guelph, Barrie and Kelowna were not CMAs in 2001).**Introduced in:** CCHS - Cycle 4.1 - 2007

Specifications				
Value	Condition(s)	Description	Notes	
000		No CMA assigned		
001		St. John's		
205		Halifax		
310		Saint John		
408		Saguenay		
421		Québec		
433		Sherbrooke		
442		Trois-Rivières		
462		Montréal		
505		Ottawa - Gatineau		
521		Kingston		
532		Oshawa		
535		Toronto		
537		Hamilton		
539		St. Catharines - Niagara		
541		Kitchener		
555		London		
559		Windsor		
580		Greater Sudbury		
595		Thunder Bay		
602		Winnipeg		
705		Regina		
725		Saskatoon		
825		Calgary		
835		Edmonton		
932		Abbotsford		
933		Vancouver		
935		Victoria		

## 12) Peer Group

**Variable name:** GEODPRG

**Based on:** GEODHR4

**Description:** The 123 health regions have been classified into 9 like clusters or "peer groups", for the purposes of meaningful analysis in comparing like regions across the country.

**Introduced in:** CCHS - Cycle 1.1

**Note:** The breakdown of the Health Regions into Peer Groups has changed slightly for 2007. In November 2005, Prince Edward Island (PEI) officially disbanded their four health regions. The three existing counties (census divisions) provided an alternative set of boundaries to retain relevant sub-provincial CCHS data, commencing June 2008. Although these 3 counties have the same code as previous health regions (1101, 1102 and 1103) the 3 counties have a different geography than the previous health regions. Therefore comparison at the sub-provincial level between 2007 and previous years is not possible in PEI. In terms of peer groups, health region 1101 was moved from peer group I to D, 1102 was moved from C to A and 1103 from A to C. Health region 1104 no longer exists and was removed from peer group D.

### Specifications

Value	Condition(s)	Description	Notes
1	GEODHR4= 1102, 1206, 2403, 2407, 2413, 2416, 3527, 3537, 3538, 3540, 3541, 3542, 3544, 3546, 3555, 4610, 4615, 4704, 4706, 5913, 5921, 5941, 5942	Health Region Peer Group A: Urban-rural mix from coast to coast Average percentage of Aboriginal population Low male population Slow population growth from 1996-2001	
2	GEODHR4= 3530, 3536, 3551, 3553, 3565, 3566, 3568, 3570, 4823, 4826, 5922, 5923, 5931, 5933	Health Region Peer Group B: Mainly urban centres with moderately high population density Low percentage of government transfer income	
3	GEODHR4= 1011, 1103, 1201, 1202, 1203, 1204, 1301, 1302, 1303, 1304, 2401, 2402, 2404, 2405, 2408, 3526, 3547, 3561, 3562, 3563, 4709, 5912, 5914, 5943	Health Region Peer Group C: Sparsely populated urban-rural mix from coast to coast Average percentage of Aboriginal population Negative population growth	
4	GEODHR4= 1101, 4640, 4645, 4660, 4701, 4702, 4703, 4705, 4707, 4708	Health Region Peer Group D: Rural regions mainly in the central Prairies Moderate Aboriginal population Moderately high percentage of government transfer income Almost equal numbers of men and women Negative population growth	
5	GEODHR4= 2412, 2414, 2415, 3531, 3533, 3534, 3535, 3539, 3543, 3552, 3554, 3557, 3558, 3560, 4620, 4625, 4630, 4821, 4822, 4824, 4825, 4827, 4828, 5911	Health Region Peer Group E: Mainly rural regions in Quebec, Ontario and the Prairies High proportion of people recently moved to or within these regions since 1996 Average percentage of Aboriginal population Moderate population growth	
6	GEODHR4= 2417, 2418, 4685, 4714, 6201	Health Region Peer Group F: Northern and remote regions Very high Aboriginal population Moderately high percentage of government transfer income Slightly higher male population Moderate population growth	

7	GEODHR4= 2406, 3595, 5932	Health Region Peer Group G: Largest metro centres with an average population density of 3,934 people per square kilometre Low Aboriginal population Moderate percentage of government transfer income
8	GEODHR4= 1014, 2409, 2410, 3549, 3556, 4670, 4710, 4829, 5951, 5952, 5953, 6001, 6101	Health Region Peer Group H: Rural northern regions High Aboriginal population High male population Negative population growth
9	GEODHR4= 1012, 1013, 1205, 1305, 1306, 1307, 2411	Health Region Peer Group I: Mainly rural Eastern regions Very high percentage of government transfer income Negative population growth Low percentage of people having moved to or within these regions since 1996

Reference: A more detailed discussion on the rationale and methods involved in the development of peer groups is available in the following publications: Health Region (2000) Peer Groups Working Paper (PDF) and Health Region (2003) Peer Groups Working Paper (PDF) these can be viewed in the "Health regions" section of the online publication "Health Indicators", Statistics Canada catalogue number 82-221-XIE.

### 13) Urban-Rural Classification

**Variable name:** GEODUR

**Based on:** GEODPC

**Description:** This variable identifies whether the respondent lives in an urban or rural area. Urban areas are those continuously built-up areas having a population concentration of 1,000 or more and a population density of 400 or more per square kilometre based on current census population counts. In CCHS Cycle 3.1, this variable was named GEODUR7 as there were 7 possible values in the code set. It has been replaced by GEODUR because the code set of the variable it is based on has changed and there are no longer 7 possible values for the variable.

**Introduced in:** CCHS - Cycle 4.1 - 2007

Specifications			
Value	Condition(s)	Description	Notes
0		Rural	
1		Urban core	
2		Urban fringe	
4		Urban area outside CMAs and Cas	
6		Secondary urban core	
9		Mix of urban / rural areas	

### 14) Urban-Rural Classification - Grouped

**Variable name:** GEODUR2

**Based on:** GEODUR

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

**Introduced in:** CCHS - Cycle 1.1

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

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

## 15) Population Size Group

**Variable name:** GEODPSZ

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

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

**Introduced in:** CCHS - Cycle 4.1 - 2007

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



## Health care utilization (2 DVs)

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

<b>Variable name:</b>	HCUDMDC
<b>Based on:</b>	HCU_02A, HCU_02C
<b>Description:</b>	This variable indicates the number of times respondents have seen or talked to a family doctor or a specialist in the last 12 months.
<b>Introduced in:</b>	CCHS - Cycle 1.1

Specifications			
Value	Condition(s)	Description	Notes
999	(HCU_02A = DK, R, NS) or (HCU_02C = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
HCU_02A + HCU_02C	(0 <= HCU_02A <= 366) and (0 <= HCU_02C <= 300)	Number of consultations with medical doctor	(min: 0; max: 666)

### 2 ) Consultations with Health Professional

<b>Variable name:</b>	HCUFCOP
<b>Based on:</b>	HCU_02A, HCU_02B, HCU_02C, HCU_02D, HCU_02E, HCU_02F, HCU_02G, HCU_02H, HCU_02I, HCU_02J
<b>Description:</b>	This variable indicates whether respondents saw or talked to at least 1 health professional in the last 12 months.
<b>Introduced in:</b>	CCHS - Cycle 2.1

Specifications			
Value	Condition(s)	Description	Notes
2	HCU_02A = 0 and HCU_02B = 0 and HCU_02C = 0 and HCU_02D = 0 and HCU_02E = 0 and HCU_02F = 0 and HCU_02G = 0 and HCU_02H = 0 and HCU_02I = 0 and HCU_02J = 0	Did not consult a health professional last year	
1	(0 < HCU_02A < NA) or (0 < HCU_02B < NA) or (0 < HCU_02C < NA) or (0 < HCU_02D < NA) or (0 < HCU_02E < NA) or (0 < HCU_02F < NA) or (0 < HCU_02G < NA) or (0 < HCU_02H < NA) or (0 < HCU_02I < NA) or (0 < HCU_02J < NA)	Consulted a health professional at least once last year	

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9	(HCU_02A = DK, R, NS) or (HCU_02B = DK, R, NS) or (HCU_02C = DK, R, NS) or (HCU_02D = DK, R, NS) or (HCU_02E = DK, R, NS) or (HCU_02F = DK, R, NS) or (HCU_02G = DK, R, NS) or (HCU_02H = DK, R, NS) or (HCU_02I = DK, R, NS) or (HCU_02J = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
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## Health utilities index - Pain and discomfort (1 DV)

The Health Utilities Index (HUI) is a multi-attribute health status classification system for measuring generic health status and health-related quality of life. The version used by CCHS is the HUI Mark 3 (HUI3), developed in Canada at McMaster University by Health Utilities Inc. The HUI3 allows the calculation of a generic health status index based on attributes found in two different CCHS modules - Health utilities index - Pain and discomfort (HUP) and the Health utilities index (HUI). HUIDHSI can only be calculated for the Health Regions which selected both HUP and HUI. 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 (Function Code)

**Variable name:** HUPDPAD

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

**Description:** This variable classifies respondents based on activity limitation due to pain or discomfort. This variable is one of the 8 attributes used to calculate the Health Utility Index (HUIDHSI).

**Introduced in:** CCHS - Cycle 1.1

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

**Variable name:** HWT DHTM

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

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

**Introduced in:** CCHS - Cycle 1.1

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

Specifications			
Value	Condition(s)	Description	Notes
9.996	MAM_037 = 1	Population exclusion - Pregnant women	NA
9.999	ADM_PRX = 1	Module not asked - proxy interview	NS
9.999	(HWT_2 = DK, R, NS) or (HWT_2C = DK, R, NS) or (HWT_2D = DK, R, NS) or (HWT_2E = DK, R, NS) or (HWT_2F = DK, R, NS) or ADM_PRX = 1	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) - Self-Reported

**Variable name:** HWTDWTK

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

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

**Introduced in:** CCHS - Cycle 1.1

### Specifications

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

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

**Variable name:** HWTDBMI

**Based on:** HWTDHTM, HWTDWTK

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

BMI = WEIGHT (KG) / HEIGHT (METRES) SQUARED

**Introduced in:** CCHS - Cycle 1.1

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

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

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

**Variable name:** HWTDDISW

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

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

**Introduced in:** CCHS - Cycle 2.1

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

At the population level, the BMI classification system can be used to compare body weight patterns and related health risks within and between populations and to establish population trends in body weight patterns. The classification should be used with caution at the individual level because the health risk associated with each BMI category varies considerably between individuals. Particular caution should be used when classifying: adults who are naturally very lean, very muscular adults, some ethnic and racial groups, and seniors.

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

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

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

	MAM_037 = 1		
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 <= 34.99)	Obese - Class I	
5	(35.00 <= HWTDBMI <= 39.99)	Obese - Class II	
6	HWTDBMI >= 40.00	Obese - Class III	

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

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

**Variable name:** HWTDCOL

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

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

**Introduced in:** CCHS - Cycle 1.1

**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 (DHH_AGM >= 216 and DHH_AGM < NS)	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	(AGET1 = 12 and DHH_SEX = 1 and HWTDBMI >= 26.02) or (AGET1 = 12 and DHH_SEX = 2 and HWTDBMI >= 26.67) or (AGET1 = 12.5 and DHH_SEX = 1 and HWTDBMI >= 26.43) or (AGET1 = 12.5 and DHH_SEX = 2 and HWTDBMI >= 27.24) or (AGET1 = 13 and DHH_SEX = 1 and HWTDBMI >= 26.84) or (AGET1 = 13 and DHH_SEX = 2 and HWTDBMI >= 27.76) or (AGET1 = 13.5 and DHH_SEX = 1 and HWTDBMI >= 27.25) or (AGET1 = 13.5 and DHH_SEX = 2 and HWTDBMI >= 28.20) or (AGET1 = 14 and DHH_SEX = 1 and HWTDBMI >= 27.63) or (AGET1 = 14 and DHH_SEX = 2 and HWTDBMI >= 28.57) or (AGET1 = 14.5 and DHH_SEX = 1 and HWTDBMI >= 27.98) or (AGET1 = 14.5 and DHH_SEX = 2 and HWTDBMI >= 28.87) or (AGET1 = 15 and DHH_SEX = 1 and HWTDBMI >= 28.30) or (AGET1 = 15 and DHH_SEX = 2 and HWTDBMI >= 29.11) or (AGET1 = 15.5 and DHH_SEX = 1 and HWTDBMI >= 28.60) or (AGET1 = 15.5 and DHH_SEX = 2 and HWTDBMI >= 29.29) or (AGET1 = 16 and DHH_SEX = 1 and HWTDBMI >= 28.88) or (AGET1 = 16 and DHH_SEX = 2 and HWTDBMI >= 29.43) or (AGET1 = 16.5 and DHH_SEX = 1 and HWTDBMI >= 29.14) or (AGET1 = 16.5 and DHH_SEX = 2 and HWTDBMI >= 29.56) or (AGET1 = 17 and DHH_SEX = 1 and HWTDBMI >= 29.41) or (AGET1 = 17 and DHH_SEX = 2 and HWTDBMI >= 29.69) or (AGET1 = 17.5 and DHH_SEX = 1 and HWTDBMI >= 29.70) or (AGET1 = 17.5 and DHH_SEX = 2 and HWTDBMI >= 29.84) or (AGET1 = 18 and	Obese
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DHH\_SEX = 1 and  
HWTDBMI >= 30.00) or  
(AGET1 = 18 and  
DHH\_SEX = 2 and  
HWTDBMI >= 30.00)

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

Overweight

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	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

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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.

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## Income (6 DVs)

### TEMPORARY VARIABLE

Household income ratio

Variable name: INCTRAT

Based on: INC\_3, INCDHH, GEO\_PRV, DHHDSZ, GEODPSZ

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

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

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

Step 1: Low income cut-offs for each family and community size were obtained for the 2005 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 2007, at the time the data was to be processed, 2005 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 (DHCDHSZ) and the size of the community in which the respondent lives (GEODPSZ). Therefore, respondents were assigned one of the 35 possible combinations that exist (7 household size groups time 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 27,217.

Step 2a: Household income is obtained using INC\_3 questions for a specific amount and INCDHH (INC\_3A to INC\_3G) for an amount in an interval.

If a specific amount is obtained at question INC\_3, that amount is used as household income. If only one interval is reported for INC\_3A to INC\_3G, a random value within each interval is derived from INCDHH for household income for all intervals but the highest one (see next step).

Step 2b: For the highest household income interval (\$100 000 or more), for each province, the median value from the Survey of Labour and Income Dynamics (SLID) for the same interval will be used as the household income. Although the survey data was collected in 2007 and 2008, at the time the data was to be processed, 2005 was the most recent year for which median household income could be provided.

Median provincial household income in 2005 from the SLID for the "100 000 \$ or more" category:

	2005
Newfoundland and Labrador	123 461
Prince Edward Island	118 633
Nova Scotia	133 168
New Brunswick	120 914
Quebec	125 000
Ontario	133 417
Manitoba	126 197
Saskatchewan	128 570
Alberta	133 920
British Columbia	128 728

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

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>INCTINC</b>			
999996	GEO_PRV = 60, 61, 62	Residents of Territories excluded	
999999	INCDHH = 99	None of the income questions was stated	
0	INCDHH = 1	No income	
INC_3	0 < INC_3 < 999996	Specific and positive household income	
RANDOM (MIN -1 MAY-1000)	INCDHH = 2	Random variable for a stated income in an interval of \$1 to \$4,999	
RANDOM (MIN -5000 MAY-00)	INCDHH = 3	Random variable for a stated income in an interval of \$5,000 to \$9,999	

RANDOM (MIN -10000 MAX-1	INCDHH = 4	Random variable for a stated income in an interval of \$10,000 to \$14,999
RANDOM (MIN -15000 MAX-1	INCDHH = 5	Random variable for a stated income in an interval of \$15,000 to \$19,999
RANDOM (MIN -20000 MAX-2	INCDHH = 6	Random variable for a stated income in an interval of \$20,000 to \$29,999
RANDOM (MIN -30000 MAX-2	INCDHH = 7	Random variable for a stated income in an interval of \$30,000 to \$39,999
RANDOM (MIN -40000 MAX-4	INCDHH = 8	Random variable for a stated income in an interval of \$40,000 to \$49,999
RANDOM (MIN -50000 MAX-5	INCDHH = 9	Random variable for a stated income in an interval of \$50,000 to \$59,999
RANDOM (MIN -60000 MAX-7	INCDHH = 10	Random variable for a stated income in an interval of \$60,000 to \$79,999
RANDOM (MIN -80000 MAX-9	INCDHH = 11	Random variable for a stated income in an interval of \$80,000 to \$99,999
118,633	INCDHH = 12 and GEO_PRV = 11	Imputed value from SLID if the province of residence is Prince Edward Island and income > 100,000\$
120,914	INCDHH = 12 and GEO_PRV = 13	Imputed value from SLID if the province of residence is New Brunswick and income > 100,000\$
123,461	INCDHH = 12 and GEO_PRV = 10	Imputed value from SLID if the province of residence is Newfoundland and Labrador and income > 100,000\$
125,000	INCDHH = 12 and GEO_PRV = 24	Imputed value from SLID if the province of residence is Quebec and income > 100,000\$
126,197	INCDHH = 12 and GEO_PRV = 46	Imputed value from SLID if the province of residence is Manitoba and income > 100,000\$
128,570	INCDHH = 12 and GEO_PRV = 47	Imputed value from SLID if the province of residence is Saskatchewan and income > 100,000\$
128,728	INCDHH = 12 and GEO_PRV = 59	Imputed value from SLID if the province of residence is British Columbia and income > 100,000\$
133,168	INCDHH = 12 and GEO_PRV = 12	Imputed value from SLID if the province of residence is Nova Scotia and income > 100,000\$
133,417	INCDHH = 12 and GEO_PRV = 35	Imputed value from SLID if the province of residence is Ontario and income > 100,000\$
133,920	INCDHH = 12 and GEO_PRV = 48	Imputed value from SLID if the province of residence is Alberta and income > 100,000\$
<b>INCTLIC</b>		
14 303	DHHDHSZ = 1 and GEODPSZ = 1	Low income cut-offs when the number of persons in household = 1 and population size group = rural area
16 273	DHHDHSZ = 1 and GEODPSZ = 2	Low income cut-offs when the number of persons in household = 1 and population size group = urban area - less than 30,000 people
17 784	DHHDHSZ = 1 and GEODPSZ = 3	Low income cut-offs when the number of persons in household = 1 and population size group = urban area - 30,000 to 99,999 people
17 807	DHHDHSZ = 2 and GEODPSZ = 1	Low income cut-offs when the number of persons in household = 2 and population size group = rural area
17 895	DHHDHSZ = 1 and GEODPSZ = 4	Low income cut-offs when the number of persons in household = 1 and population size group = urban area - 100,000 to 499,999 people
20 257	DHHDHSZ = 2 and GEODPSZ = 2	Low income cut-offs when the number of persons in household = 2 and population size group = urban area - less than 30,000 people
20 778	DHHDHSZ = 1 and GEODPSZ = 5	Low income cut-offs when the number of persons in household = 1 and population size group = urban area - 500,000 people or more
21 891	DHHDHSZ = 3 and GEODPSZ = 1	Low income cut-offs when the number of persons in household = 3 and population size group = rural area
22 139	DHHDHSZ = 2 and GEODPSZ = 3	Low income cut-offs when the number of persons in household = 2 and population size group = urban area - 30,000 to 99,999 people

22 276	DHHDSZ = 2 and GEODPSZ = 4	Low income cut-offs when the number of persons in household = 2 and population size group = urban area - 100,000 to 499,999 people
24 904	DHHDSZ = 3 and GEODPSZ = 2	Low income cut-offs when the number of persons in household = 3 and population size group = urban area - less than 30,000 people
25 867	DHHDSZ = 2 and GEODPSZ = 5	Low income cut-offs when the number of persons in household = 2 and population size group = urban area - 500,000 people or more
26 579	DHHDSZ = 4 and GEODPSZ = 1	Low income cut-offs when the number of persons in household = 4 and population size group = rural area
27 217	DHHDSZ = 3 and GEODPSZ = 3	Low income cut-offs when the number of persons in household = 3 and population size group = urban area - 30,000 to 99,999 people
27 386	DHHDSZ = 3 and GEODPSZ = 4	Low income cut-offs when the number of persons in household = 3 and population size group = urban area - 100,000 to 499,999 people
30 145	DHHDSZ = 5 and GEODPSZ = 1	Low income cut-offs when the number of persons in household = 5 and population size group = rural area
30 238	DHHDSZ = 4 and GEODPSZ = 2	Low income cut-offs when the number of persons in household = 4 and population size group = urban area - less than 30,000 people
31 801	DHHDSZ = 3 and GEODPSZ = 5	Low income cut-offs when the number of persons in household = 3 and population size group = urban area - 500,000 people or more
33 046	DHHDSZ = 4 and GEODPSZ = 3	Low income cut-offs when the number of persons in household = 4 and population size group = urban area - 30,000 to 99,999 people
33 251	DHHDSZ = 4 and GEODPSZ = 4	Low income cut-offs when the number of persons in household = 4 and population size group = urban area - 100,000 to 499,999 people
33 999	DHHDSZ = 6 and GEODPSZ = 1	Low income cut-offs when the number of persons in household = 6 and population size group = rural area
34 295	DHHDSZ = 5 and GEODPSZ = 2	Low income cut-offs when the number of persons in household = 5 and population size group = urban area - less than 30,000 people
37 480	DHHDSZ = 5 and GEODPSZ = 3	Low income cut-offs when the number of persons in household = 5 and population size group = urban area - 30,000 to 99,999 people
37 711	DHHDSZ = 5 and GEODPSZ = 4	Low income cut-offs when the number of persons in household = 5 and population size group = urban area - 100,000 to 499,999 people
37 853	DHHDSZ >= 7 and GEODPSZ = 1	Low income cut-offs when the number of persons in household >= 7 and population size group = rural area
38 610	DHHDSZ = 4 and GEODPSZ = 5	Low income cut-offs when the number of persons in household = 4 and population size group = urban area - 500,000 people or more
38 679	DHHDSZ = 6 and GEODPSZ = 2	Low income cut-offs when the number of persons in household = 6 and population size group = urban area - less than 30,000 people
42 271	DHHDSZ = 6 and GEODPSZ = 3	Low income cut-offs when the number of persons in household = 6 and population size group = urban area - 30,000 to 99,999 people
42 533	DHHDSZ = 6 and GEODPSZ = 4	Low income cut-offs when the number of persons in household = 6 and population size group = urban area - 100,000 to 499,999 people
43 063	DHHDSZ >= 7 and GEODPSZ = 2	Low income cut-offs when the number of persons in household >= 7 and population size group = urban area - less than 30,000 people
43 791	DHHDSZ = 5 and GEODPSZ = 5	Low income cut-offs when the number of persons in household = 5 and population size group = urban area - 500,000 people or more
47 063	DHHDSZ >= 7 and GEODPSZ = 3	Low income cut-offs when the number of persons in household >= 7 and population size group = urban area - 30,000 to 99,999 people

47 354	DHHDSZ >= 7 and GEODPSZ = 4	Low income cut-offs when the number of persons in household => 7 and population size group = urban area - 100,000 to 499,999 people	
49 389	DHHDSZ = 6 and GEODPSZ = 5	Low income cut-offs when the number of persons in household = 6 and population size group = urban area - 500,000 people or more	
54 987	DHHDSZ >= 7 and GEODPSZ = 5	Low income cut-offs when the number of persons in household >= 7 and population size group = urban area - 500,000 people or more	
<b>INCTRAT</b>			
99.999999996	INCTINC = 999996	Residents of territories excluded	9 decimals
99.999999999	INCTINC = 999999	The ratio cannot be calculated because the household income was not stated	9 decimals
0-40	INCTINC / INCTLIC	Individual ratio of household income to the low income cut-off corresponding to the size of the household and the size of the community. The maximum ratio is based on the maximum household income accepted, which is \$500,000	9 decimals

### 1) Total Household Income - All Sources

**Variable name:** INCDHH

**Based on:** INC\_3A, INC\_3B, INC\_3C, INC\_3D, INC\_3E, INC\_3F, INC\_3G

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

**Introduced in:** CCHS - Cycle 1.1

Specifications			
Value	Condition(s)	Description	Notes
99	(INC_3A = DK, R, NS)	None of the income question were answered (don't know, refusal, not stated)	NS
1	INC_3A = 3	No income	
2	INC_3C = 1	Less than \$5,000	
3	INC_3C = 2	\$5,000 to \$9,999	
4	INC_3D = 1	\$10,000 to \$14,999	
5	INC_3D = 2	\$15,000 to \$19,999	
6	INC_3F = 1	\$20,000 to \$29,999	
7	INC_3F = 2	\$30,000 to \$39,999	
8	INC_3G = 1	\$40,000 to \$49,999	
9	INC_3G = 2	\$50,000 to \$59,999	
10	INC_3G = 3	\$60,000 to \$79,999	
11	INC_3G = 4	\$80,000 to \$99,999	
12	INC_3G = 5	\$100,000 +	
99	Else	Not enough information for the classification	NS



## 2) Personal Income - All Sources

**Variable name:** INCDPER

**Based on:** INC\_4A, INC\_4C, INC\_4D, INC\_4F, INC\_4G

**Description:** This variable indicates the respondent's personal income from all sources. A range category was previously assigned by the application to respondents who provided an exact amount in question INC\_4. The Territories are excluded from this derived variable.

**Introduced in:** CCHS - Cycle 1.1

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

Specifications			
Value	Condition(s)	Description	Notes
96	DHH_AGE < 15	Population exclusions	NA
99	(INC_4A = DK, R, NS)	None of the income question were answered (don't know, refusal, not stated)	NS
1	(INC_4A = 3, NA)	No income	
2	INC_4C = 1	Less than \$5,000	
3	INC_4C = 2	\$5,000 to \$9,999	
4	INC_4D = 1	\$10,000 to \$14,999	
5	INC_4D = 2	\$15,000 to \$19,999	
6	INC_4F = 1	\$20,000 to \$29,999	
7	INC_4F = 2	\$30,000 to \$39,999	
8	INC_4G = 1	\$40,000 to \$49,999	
9	INC_4G = 2	\$50,000 to \$59,999	
10	INC_4G = 3	\$60,000 to \$79,999	
11	INC_4G = 4	\$80,000 to \$99,999	
12	INC_4G = 5	\$100,000 +	
99	Else	Not enough information for the classification	NS

## 3) Adjusted household income ratio - National level

**Variable name:** INCDADR

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

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

**Introduced in:** CCHS - Cycle 1.1

Specifications			
Value	Condition(s)	Description	Notes

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

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

**Variable name:** INCDRCA

**Based on:** INCDADR

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

**Introduced in:** CCHS - Cycle 1.1

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

#### Specifications

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

## 5) Distribution of household income - Provincial level

**Variable name:** INCDRPR

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

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

**Introduced in:** CCHS - Cycle 1.1

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

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

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

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

**Variable name:** INCDRRS

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

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

**Introduced in:** CCHS - Cycle 1.1

**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 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	

**Note finale :** Low income cut-offs for 2005 (INCLIC) are adapted from "Low income cut-offs for 2005", published in 2007 by the Income Statistics Division, Statistics Canada.

## Labour force (5 DVs)

### 1) Total usual hours worked per week

**Variable name:** LBSDHPW

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

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

**Introduced in:** CCHS - Cycle 3.1

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

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

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

**Variable name:** LBSDPFT

**Based on:** LBSDHPW

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

**Introduced in:** CCHS - Cycle 3.1

**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	

### 3) Working status last week

**Variable name:** LBSDWSS

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

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

**Introduced in:** CCHS - Cycle 3.1

**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

### 4) Industry Group

**Variable name:** LBSDING

**Based on:** LBSCSIC

**Description:** This variable indicates the industry group the respondent belongs to using the North American Industry Classification System (NAICS) 2002 at the 2-digit level.

**Introduced in:** CCHS - Cycle 4.1 - 2007

**Note:** Respondents aged less than 15 years or more than 75 years have been excluded from the population. At collection, data is using a SIC (Standard Industrial classification) code when an appropriate code is found. Subsequently, an appropriate 4-digit NAICS code is found using the SIC code or with the use of other data. The 4-digit NAICS code is then rolled up to the 2 digit standard classification.

Specifications			
Value	Condition(s)	Description	Notes
96	DHH_AGE < 15 or DHH_AGE > 75 or LBSDWSS = 3 or 4	Population exclusions	NA
99	LBSCSIC = DK, R, NS	At least one required question was not answered (don't know, refusal, not stated)	NS
01	1st 2 digits in LBSCSIC = 11	Agriculture, Forestry, Fishing and Hunting	
02	1st 2 digits in LBSCSIC = 21	Mining and Oil and Gas Extraction	
03	1st 2 digits in LBSCSIC = 22	Utilities	
04	1st 2 digits in LBSCSIC = 23	Construction	

05	1st 2 digits in LBSCSIC = 31 or 32 or 33	Manufacturing
06	1st 2 digits in LBSCSIC = 41	Wholesale Trade
07	1st 2 digits in LBSCSIC = 44 or LBSCSIC = 45	Retail Trade
08	1st 2 digits in LBSCSIC = 48 or LBSCSIC = 49	Transportation and Warehousing
09	1st 2 digits in LBSCSIC = 51	Information and Cultural Industries
10	1st 2 digits in LBSCSIC = 52	Finance and Insurance
11	1st 2 digits in LBSCSIC = 53	Real Estate and Rental and Leasing
12	1st 2 digits in LBSCSIC = 54	Professional, Scientific and Technical Services
13	1st 2 digits in LBSCSIC = 55	Management of Companies and Enterprises
14	1st 2 digits in LBSCSIC = 56	Administrative and Support, Waste Management and Remediation Services
15	1st 2 digits in LBSCSIC = 61	Educational Services
16	1st 2 digits in LBSCSIC = 62	Health Care and Social Assistance
17	1st 2 digits in LBSCSIC = 71	Arts, Entertainment and Recreation
18	1st 2 digits in LBSCSIC = 72	Accommodation and Food Services
19	1st 2 digits in LBSCSIC = 81	Other Services (except Public Administration)
20	1st 2 digits in LBSCSIC = 91	Public Administration
95	LBSCSIC = XXXX	Could not be coded

## 5) Occupation Group

**Variable name:** LBSDOCG

**Based on:** LBSCSOC

**Description:** This variable indicates the occupation group the respondent belongs to using the National Occupational Classification - Statistics (NOC-S) 2001 at the 2-digit level.

**Introduced in:** CCHS - Cycle 4.1 - 2007

**Note:** Respondents aged less than 15 years or more than 75 years have been excluded from the population. At collection, data is using a SOC (Standard Occupation Classification) code when an appropriate code is found. Subsequently, an appropriate 4-digit NOC-S code is found using the SOC code or text information with the use of other data. The 4-digit NOC-S code is then rolled up to a NOC-S 1-digit code.

Specifications			
Value	Condition(s)	Description	Notes
96	DHH_AGE < 15 or DHH_AGE > 75 or LBSDWSS = 3 or 4	Population exclusions	NA
99	LBSCSOC = DK, R, NS	At least one required question was not answered (don't know, refusal, not stated)	NS
01	First digit in LBSCSOC = A	Management Occupations	
02	First digit in LBSCSOC = B	Business, Finance and Administration Occupations	
03	First digit in LBSCSOC = C	Natural and Applied Sciences and Related Occupations	

04	First digit in LBSCSOC = D	Health Occupations
05	First digit in LBSCSOC = E	Occupations in Social Science, Education, Government Service and Religion
06	First digit in LBSCSOC = F	Occupations in Art, Culture, Recreation and Sport
07	First digit in LBSCSOC = G	Sales and Service Occupations
08	First digit in LBSCSOC = H	Trades, Transport and Equipment Operators and Related Occupations
09	First digit in LBSCSOC = I	Occupations Unique to Primary Industry
10	First digit in LBSCSOC = J	Occupations Unique to Processing, Manufacturing and Utilities
95	LBSCSOC = XXXX	Could not be coded



## Maternal experiences - Breastfeeding (2 DVs)

### 1) Length of exclusive breastfeeding

**Variable name:** MEXDEBF

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

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

**Introduced in:** CCHS - Cycle 2.1

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

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

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

**Variable name:** MEXFEB6

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

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

**Introduced in:** CCHS - Cycle 4.1 - 2007

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

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

## Oral health 1 (1 DV)

### 1 ) Inability to Chew

**Variable name:** OH1FCHW

**Based on:** OH1\_21A, OH1\_21B

**Description:** This variable is an indicator of the respondent's oral physical functioning (the ability to chew) and the extent to which this is compromised by oral disorders and conditions.

**Introduced in:** CCHS - Cycle 2.1

Specifications			
Value	Condition(s)	Description	Notes
9	ADM_PRX = 1	Module not asked - proxy interview	NS
2	OH1_21A = 1 and OH1_21B = 1	No limitation in chewing ability	
1	OH1_21A = 2 or OH1_21B = 2	Limitations in chewing ability	
9	(OH1_21A = DK, R, NS) or (OH1_21B = 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.

**Introduced in:** CCHS - Cycle 1.1

**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.

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

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

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

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



$(\text{PAC\_2O} \times 4 \times .75 \times 3) / 365$	PAC_3O = 3	Calculate EE for 31 to 60 min*	BASEBALL OR SOFTBALL
$(\text{PAC\_2O} \times 4 \times 1 \times 3) / 365$	PAC_3O = 4	Calculate EE for > 60 min*	BASEBALL OR SOFTBALL
<b>PACDEEP</b>			
0	PAC_3P = NA	Did not participate in activity	TENNIS
0	(PAC_3P = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	TENNIS
$(\text{PAC\_2P} \times 4 \times .2167 \times 4) / 365$	PAC_3P = 1	Calculate EE for < 15 min*	TENNIS
$(\text{PAC\_2P} \times 4 \times .3833 \times 4) / 365$	PAC_3P = 2	Calculate EE for 16 to 30 min*	TENNIS
$(\text{PAC\_2P} \times 4 \times .75 \times 4) / 365$	PAC_3P = 3	Calculate EE for 31 to 60 min*	TENNIS
$(\text{PAC\_2P} \times 4 \times 1 \times 4) / 365$	PAC_3P = 4	Calculate EE for > 60 min*	TENNIS
<b>PACDEEQ</b>			
0	PAC_3Q = NA	Did not participate in activity	WEIGHT-TRAINING
0	(PAC_3Q = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	WEIGHT-TRAINING
$(\text{PAC\_2Q} \times 4 \times .2167 \times 3) / 365$	PAC_3Q = 1	Calculate EE for < 15 min*	WEIGHT-TRAINING
$(\text{PAC\_2Q} \times 4 \times .3833 \times 3) / 365$	PAC_3Q = 2	Calculate EE for 16 to 30 min*	WEIGHT-TRAINING
$(\text{PAC\_2Q} \times 4 \times .75 \times 3) / 365$	PAC_3Q = 3	Calculate EE for 31 to 60 min*	WEIGHT-TRAINING
$(\text{PAC\_2Q} \times 4 \times 1 \times 3) / 365$	PAC_3Q = 4	Calculate EE for > 60 min*	WEIGHT-TRAINING
<b>PACDEER</b>			
0	PAC_3R = NA	Did not participate in activity	FISHING
0	(PAC_3R = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	FISHING
$(\text{PAC\_2R} \times 4 \times .2167 \times 3) / 365$	PAC_3R = 1	Calculate EE for < 15 min*	FISHING
$(\text{PAC\_2R} \times 4 \times .3833 \times 3) / 365$	PAC_3R = 2	Calculate EE for 16 to 30 min*	FISHING
$(\text{PAC\_2R} \times 4 \times .75 \times 3) / 365$	PAC_3R = 3	Calculate EE for 31 to 60 min*	FISHING
$(\text{PAC\_2R} \times 4 \times 1 \times 3) / 365$	PAC_3R = 4	Calculate EE for > 60 min*	FISHING
<b>PACDEES</b>			
0	PAC_3S = NA	Did not participate in activity	VOLLEYBALL
0	(PAC_3S = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	VOLLEYBALL
$(\text{PAC\_2S} \times 4 \times .2167 \times 5) / 365$	PAC_3S = 1	Calculate EE for < 15 min*	VOLLEYBALL
$(\text{PAC\_2S} \times 4 \times .3833 \times 5) / 365$	PAC_3S = 2	Calculate EE for 16 to 30 min*	VOLLEYBALL
$(\text{PAC\_2S} \times 4 \times .75 \times 5) / 365$	PAC_3S = 3	Calculate EE for 31 to 60 min*	VOLLEYBALL

$(\text{PAC\_2T} \times 4 \times 1 \times 6) / 365$	PAC_3S = 4	Calculate EE for > 60 min*	VOLLEYBALL
<b>PACDEET</b>			
0	PAC_3T = NA	Did not participate in activity	BASKETBALL
0	(PAC_3T = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	BASKETBALL
$(\text{PAC\_2T} \times 4 \times .2167 \times 6) / 365$	PAC_3T = 1	Calculate EE for < 15 min*	BASKETBALL
$(\text{PAC\_2T} \times 4 \times .3833 \times 6) / 365$	PAC_3T = 2	Calculate EE for 16 to 30 min*	BASKETBALL
$(\text{PAC\_2T} \times 4 \times .75 \times 6) / 365$	PAC_3T = 3	Calculate EE for 31 to 60 min*	BASKETBALL
$(\text{PAC\_2T} \times 4 \times 1 \times 6) / 365$	PAC_3T = 4	Calculate EE for > 60 min*	BASKETBALL
<b>PACDEEU</b>			
0	PAC_3U = NA	Did not participate in activity	OTHER (U)
0	(PAC_3U = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	OTHER (U)
$(\text{PAC\_2U} \times 4 \times .2167 \times 4) / 365$	PAC_3U = 1	Calculate EE for < 15 min*	OTHER (U)
$(\text{PAC\_2U} \times 4 \times .3833 \times 4) / 365$	PAC_3U = 2	Calculate EE for 16 to 30 min*	OTHER (U)
$(\text{PAC\_2U} \times 4 \times .75 \times 4) / 365$	PAC_3U = 3	Calculate EE for 31 to 60 min*	OTHER (U)
$(\text{PAC\_2U} \times 4 \times 1 \times 4) / 365$	PAC_3U = 4	Calculate EE for > 60 min*	OTHER (U)
<b>PACDEEW</b>			
0	PAC_3W = NA	Did not participate in activity	OTHER (W)
0	(PAC_3W = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	OTHER (W)
$(\text{PAC\_2W} \times 4 \times .2167 \times 4) / 365$	PAC_3W = 1	Calculate EE for < 15 min*	OTHER (W)
$(\text{PAC\_2W} \times 4 \times .3833 \times 4) / 365$	PAC_3W = 2	Calculate EE for 16 to 30 min*	OTHER (W)
$(\text{PAC\_2W} \times 4 \times .75 \times 4) / 365$	PAC_3W = 3	Calculate EE for 31 to 60 min*	OTHER (W)
$(\text{PAC\_2W} \times 4 \times 1 \times 4) / 365$	PAC_3W = 4	Calculate EE for > 60 min*	OTHER (W)
<b>PACDEEX</b>			
0	PAC_3X = NA	Did not participate in activity	OTHER (X)
0	(PAC_3X = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	OTHER (X)
$(\text{PAC\_2X} \times 4 \times .2167 \times 4) / 365$	PAC_3X = 1	Calculate EE for < 15 min*	OTHER (X)
$(\text{PAC\_2X} \times 4 \times .3833 \times 4) / 365$	PAC_3X = 2	Calculate EE for 16 to 30 min*	OTHER (X)
$(\text{PAC\_2X} \times 4 \times .75 \times 4) / 365$	PAC_3X = 3	Calculate EE for 31 to 60 min*	OTHER (X)
$(\text{PAC\_2X} \times 4 \times 1 \times 4) / 365$	PAC_3X = 4	Calculate EE for > 60 min*	OTHER (X)

**PACDEEZ**

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) 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.

**Introduced in:** CCHS - Cycle 1.1

**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)

<b>Temporary Reformat</b>			
<b>Value</b>	<b>Condition(s)</b>	<b>Description</b>	<b>Notes</b>
<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)

<b>Specifications</b>			
<b>Value</b>	<b>Condition(s)</b>	<b>Description</b>	<b>Notes</b>
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)
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### 3) Participant In Leisure Time Physical Activity

<b>Variable name:</b>	PACFLEI
<b>Based on:</b>	PAC_1V
<b>Description:</b>	This variable indicates whether the respondent participated in any leisure time physical activities in the three months prior to the interview.
<b>Introduced in:</b>	CCHS - Cycle 1.1
<b>Source:</b>	Ontario Health Survey
<b>Internet site:</b>	<a href="http://www.chass.utoronto.ca/datalib/codebooks/utm/ohs/ohs90.htm">www.chass.utoronto.ca/datalib/codebooks/utm/ohs/ohs90.htm</a>

#### 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

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

<b>Variable name:</b>	PACDFR
<b>Based on:</b>	PACDFM
<b>Description:</b>	This variable classifies respondents according to their pattern, or regularity of leisure time physical activity lasting more than 15 minutes.

**Introduced in:** CCHS - Cycle 1.1

**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.

**Introduced in:** CCHS - Cycle 1.1

**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.

**Introduced in:** CCHS - Cycle 1.1

**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) 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.

**Introduced in:** CCHS - Cycle 4.1 - 2007

**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 x 4 x 1 x 4) / 365	PAC_8B = 4	Calculate EE for > 60 min*	TRANSPORTATION - BICYCLING
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## 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 + PACDTED	(0 <= PACDEE < NA) and (0 <= PACDTEA < NA) and (0 <= PACDTED < NA)	Total daily energy expenditure (kcal/kg/day)	(rounded to one decimal place)  (min: 0.0; max: 99.5)

## 8) 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.

**Introduced in:** CCHS - Cycle 4.1 - 2007

**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	

## 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.

**Introduced in:** CCHS - Cycle 4.1 - 2007

<b>Specifications</b>			
<b>Value</b>	<b>Condition(s)</b>	<b>Description</b>	<b>Notes</b>
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

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

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

**Variable name:** PAFFACC

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

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

**Introduced in:** CCHS - Cycle 4.1 - 2007

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

## Restriction of activities (3 DVs)

### 1) Impact of Health Problems

**Variable name:** RACDIMP

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

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

**Introduced in:** CCHS - Cycle 1.1

**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
1	RAC_2A = 1 or RAC_2B1 = 1 or RAC_2B2 = 1 or RAC_2C = 1	Sometimes	
2	RAC_2A = 2 or RAC_2B1 = 2 or RAC_2B2 = 2 or RAC_2C = 2	Often	
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

### 2) Participation and Activity Limitation

**Variable name:** RACDPAL

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

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

**Introduced in:** CCHS - Cycle 2.1

**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	

### 3) Need for Help in Series of Tasks

**Variable name:** RACF6R

**Based on:** RAC\_6A, RAC\_6B1, RAC\_6C, RAC\_6E, RAC\_6F, RAC\_6G

**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.

**Introduced in:** CCHS - Cycle 2.1

**Note:** RACF6R 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.

#### Specifications

Value	Condition(s)	Description	Notes
1	RAC_6A = 1 or RAC_6B1 = 1 or RAC_6C = 1 or RAC_6E = 1 or RAC_6F = 1 or RAC_6G = 1	Needs help with at least one task	
2	RAC_6A = 2 and RAC_6B1 = 2 and RAC_6C = 2 and RAC_6E = 2 and RAC_6F = 2 and RAC_6G = 2	Does not need help	
9	(RAC_6A = DK, R, NS) or (RAC_6B1 = DK, R, NS) or (RAC_6C = DK, R, NS) or (RAC_6E = DK, R, NS) or (RAC_6F = DK, R, NS) or (RAC_6G = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS



## Sedentary activities (2 DVs)

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>SACT1</b>			
0	SAC_1 = 1	Recode to midpoint of response ranges	
0.5	SAC_1 = 2	Recode to midpoint of response ranges	
1.5	SAC_1 = 3	Recode to midpoint of response ranges	
4	SAC_1 = 4	Recode to midpoint of response ranges	
8	SAC_1 = 5	Recode to midpoint of response ranges	
12.5	SAC_1 = 6	Recode to midpoint of response ranges	
17.5	SAC_1 = 7	Recode to midpoint of response ranges	
20	SAC_1 = 8	Recode to midpoint of response ranges	
<b>SACT2</b>			
0	SAC_2 = 1	Recode to midpoint of response ranges	
0.5	SAC_2 = 2	Recode to midpoint of response ranges	
1.5	SAC_2 = 3	Recode to midpoint of response ranges	
4	SAC_2 = 4	Recode to midpoint of response ranges	
8	SAC_2 = 5	Recode to midpoint of response ranges	
12.5	SAC_2 = 6	Recode to midpoint of response ranges	
17.5	SAC_2 = 7	Recode to midpoint of response ranges	
20	SAC_2 = 8	Recode to midpoint of response ranges	
<b>SACT3</b>			
0	SAC_3 = 1	Recode to midpoint of response ranges	
0.5	SAC_3 = 2	Recode to midpoint of response ranges	
1.5	SAC_3 = 3	Recode to midpoint of response ranges	
4	SAC_3 = 4	Recode to midpoint of response ranges	
8	SAC_3 = 5	Recode to midpoint of response ranges	
12.5	SAC_3 = 6	Recode to midpoint of response ranges	
17.5	SAC_3 = 7	Recode to midpoint of response ranges	
20	SAC_3 = 8	Recode to midpoint of response ranges	
<b>SACT4</b>			
0	SAC_4 = 1	Recode to midpoint of response ranges	
0.5	SAC_4 = 2	Recode to midpoint of response ranges	
1.5	SAC_4 = 3	Recode to midpoint of response ranges	
4	SAC_4 = 4	Recode to midpoint of response ranges	
8	SAC_4 = 5	Recode to midpoint of response ranges	
12.5	SAC_4 = 6	Recode to midpoint of response ranges	
17.5	SAC_4 = 7	Recode to midpoint of response ranges	
20	SAC_4 = 8	Recode to midpoint of response ranges	

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

**Variable name:** SACDTOT



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

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

**Introduced in:** CCHS - Cycle 1.1

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>SAC</b>			
96	SACT1 = NA	Population exclusion	NA
99	ADM_PRX = 1	Module not asked - proxy interview	NS
99	(SACT1 = DK, R, NS) or (SACT2 = DK, R, NS) or (SACT3 = DK, R, NS) or (SACT4 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
SACT1+SACT2+ SACT3+SACT4	(0 <= SACT1 <= 20) and (0 <= SACT2 <= 20) and (0 <= SACT3 <= 20) and (0 <= SACT4 <= 20)	Total number of hours spent in sedentary activities where the respondent is aged < 20	
SACT1+SACT3+SA CT4	(0 <= SACT1 <= 20) and SACT2 = NA and (0 <= SACT3 <= 20) and (0 <= SACT4 <= 20)	Total number of hours spent in sedentary activities where respondent is aged >=20	

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	

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

**Variable name:** SACDTER

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

03/06/2008

**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), and watching television or videos. For all activities, the time spent at school or work is excluded. Time spent in reading is not included.

**Introduced in:** CCHS - Cycle 4.1 - 2007

Temporary Reformat			
Value	Condition(s)	Description	Notes
<b>SACTTER</b>			
96	SACT1 = NA	Population exclusions	NA
99	ADM_PRX = 1	Module not asked - proxy interview	NS
99	SACT1 = DK, R, NS) or SACT2 = DK, R, NS) or SACT3 = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
SACT1 + SACT2 + SACT3	(0 <= SACT1 <= 20) and (0 <= SACT2 <= 20) and (0 <= SACT3 <= 20)	Total number of hours per week spent in sedentary activities (excluding reading) where the respondent is aged < 20	
SACT1 + SACT3	(0 <= SACT1 <= 20) and (0 <= SACT3 <= 20)	Total number of hours per week spent in sedentary activities (excluding reading) where the respondent is aged >= 20	

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	

## Sample variables (2 DVs)

### 1) Permission to Share Data

- Variable name:** SAMDSHR
- Based on:** ADM\_Q04B (Share question from the main component [not on file]), PS\_Q01 (Share question from the Exit component [not on file]).
- Description:** This variable indicates whether or not the respondent agreed to share the information collected in the survey with the provincial ministries of health, Health Canada, the Public Health Agency of Canada, and the "Institut de la Statistique du Québec" for Quebec respondents, as stated in ADM\_Q04B and PS\_Q01. The variable SAMDSHR is calculated from the responses to the Share questions in the main component (ADM\_Q04B) and to the Exit component (PS\_Q01).
- Introduced in:** CCHS - Cycle 1.1

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

### 2) Permission to Link

- Variable name:** SAMDLNK
- Based on:** ADM\_Q01B (Link question from main component [not on file])
- Description:** This variable indicates whether or not the respondent agreed to allow their questionnaire data to be linked with administrative records of their past and current use of health services.
- Introduced in:** CCHS - Cycle 1.1

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

## Socio-demographic characteristics (10 DVs)

### 1) Country of birth code

**Variable name:** SDCCCB

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

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

**Introduced in:** CCHS - Cycle 1.1

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

### 2) Country of birth - grouped

**Variable name:** SDGCB

**Based on:** SDCCCB

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

**Introduced in:** CCHS - Cycle 1.1

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

### 3) Age at time of immigration

**Variable name:** SDCDAIM

**Based on:** SDC\_3, DHH\_YOB

**Description:** This variable indicates the age of the respondent at the time of immigration.

**Introduced in:** CCHS - Cycle 1.1

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

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

#### 4) Immigration flag

**Variable name:** SDCFIMM  
**Based on:** SDC\_3  
**Description:** This variable indicates if the respondent is an immigrant.  
**Introduced in:** CCHS - Cycle 1.1

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

#### 5) Length of time in Canada since immigration

**Variable name:** SDCDRES  
**Based on:** SDC\_3, ADM\_YOI  
**Description:** This variable indicates the length of time in years the respondent has been in Canada since his/her immigration.  
**Introduced in:** CCHS - Cycle 1.1

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

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

## 6) Aboriginal Identity

**Variable name:** SDCDABT

**Based on:** SDC\_41

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

**Introduced in:** CCHS - Cycle 4.1 - 2007

**Note:** Prior to June 2005 (middle of Cycle 3.1), respondents were able to report aboriginal background in combination with other cultural or racial backgrounds. All aboriginal respondents were assigned a value of 1 for that variable regardless of whether they reported aboriginal background singly or in combination with non-aboriginal background. Since June 2005, respondents identifying themselves as Aboriginal are not asked SDC\_Q4\_3A to SDC\_Q4\_3L, which collect information on other backgrounds. This change was introduced in order to align with the procedures used in the 2006 Census.

Specifications			
Value	Condition(s)	Description	Notes
9	SDC_41 = DK, R, NS	At least one required question was not answered (don't know, refusal, not stated)	NS
1	SDC_41 = 1	Aboriginal identity (North American Indian, Métis, Inuit)	
2	SDC_41 = 2	Non-Aboriginal identity	

## 7) Cultural / Racial Background

**Variable name:** SDCDCGT

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

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

**Introduced in:** CCHS - Cycle 3.1

**Note:** Prior to June 1995, the derived variable included the categories "multiple cultural or racial origins" and "aboriginal only". Respondents who reported Aboriginal origin in combination with any other origin were classified as "multiple cultural or racial origins" and respondents who reported Aboriginal origin but no other origin were classified as "Aboriginal only" for the derived variable. Beginning in June 2005, respondents who identified themselves as aboriginal (SDC\_41=1) were not asked about their cultural or racial background. This change was introduced in order to align with the procedures used in the 2006 Census.

Specifications			
Value	Condition(s)	Description	Notes
99	(SDC_43A = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
96	SDC_41 = 1	Aboriginal identity	NA

1	SDC_43A = 1 and SDC_43B > 1 and SDC_43C > 1 and SDC_43D > 1 and SDC_43E > 1 and SDC_43F > 1 and SDC_43G > 1 and SDC_43H > 1 and SDC_43I > 1 and SDC_43J > 1 and SDC_43K > 1 and SDC_43M > 1	White only
2	SDC_43A > 1 and SDC_43B > 1 and SDC_43C > 1 and SDC_43D = 1 and SDC_43E > 1 and SDC_43F > 1 and SDC_43G > 1 and SDC_43H > 1 and SDC_43I > 1 and SDC_43J > 1 and SDC_43K > 1 and SDC_43M > 1	Black only
3	SDC_43A > 1 and SDC_43B > 1 and SDC_43C > 1 and SDC_43D > 1 and SDC_43E > 1 and SDC_43F > 1 and SDC_43G > 1 and SDC_43H > 1 and SDC_43I > 1 and SDC_43J > 1 and SDC_43K = 1 and SDC_43M > 1	Korean only
4	SDC_43A > 1 and SDC_43B > 1 and SDC_43C > 1 and SDC_43D > 1 and SDC_43E = 1 and SDC_43F > 1 and SDC_43G > 1 and SDC_43H > 1 and SDC_43I > 1 and SDC_43J > 1 and SDC_43K > 1 and SDC_43M > 1	Filipino only
5	SDC_43A > 1 and SDC_43B > 1 and SDC_43C > 1 and SDC_43D > 1 and SDC_43E > 1 and SDC_43F > 1 and SDC_43G > 1 and SDC_43H > 1 and SDC_43I > 1 and SDC_43J = 1 and SDC_43K > 1 and SDC_43M > 1	Japanese only

6	SDC_43A > 1 and SDC_43B = 1 and SDC_43C > 1 and SDC_43D > 1 and SDC_43E > 1 and SDC_43F > 1 and SDC_43G > 1 and SDC_43H > 1 and SDC_43I > 1 and SDC_43J > 1 and SDC_43K > 1 and SDC_43M > 1	Chinese only
7	SDC_43A > 1 and SDC_43B > 1 and SDC_43C = 1 and SDC_43D > 1 and SDC_43E > 1 and SDC_43F > 1 and SDC_43G > 1 and SDC_43H > 1 and SDC_43I > 1 and SDC_43J > 1 and SDC_43K > 1 and SDC_43M > 1	South Asian only
8	SDC_43A > 1 and SDC_43B > 1 and SDC_43C > 1 and SDC_43D > 1 and SDC_43E > 1 and SDC_43F > 1 and SDC_43G = 1 and SDC_43H > 1 and SDC_43I > 1 and SDC_43J > 1 and SDC_43K > 1 and SDC_43M > 1	Southeast Asian only
9	SDC_43A > 1 and SDC_43B > 1 and SDC_43C > 1 and SDC_43D > 1 and SDC_43E > 1 and SDC_43F > 1 and SDC_43G > 1 and SDC_43H = 1 and SDC_43I > 1 and SDC_43J > 1 and SDC_43K > 1 and SDC_43M > 1	Arab only
10	SDC_43A > 1 and SDC_43B > 1 and SDC_43C > 1 and SDC_43D > 1 and SDC_43E > 1 and SDC_43F > 1 and SDC_43G > 1 and SDC_43H > 1 and SDC_43I = 1 and SDC_43J > 1 and SDC_43K > 1 and SDC_43M > 1	West Asian only



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

**8) Language(s) in which respondent can converse**

**Variable name:** SDCDLNG

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

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

**Introduced in:** CCHS - Cycle 1.1

Specifications			
Value	Condition(s)	Description	Notes
99	(SDC_5A =DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS

1	SDC_5A = 1 and SDC_5B > 1 and SDC_5C > 1 and SDC_5D > 1 and SDC_5E > 1 and SDC_5F > 1 and SDC_5G > 1 and SDC_5H > 1 and SDC_5I > 1 and SDC_5J > 1 and SDC_5K > 1 and SDC_5L > 1 and SDC_5M > 1 and SDC_5N > 1 and SDC_5O > 1 and SDC_5P > 1 and SDC_5Q > 1 and SDC_5R > 1 and SDC_5S > 1 and SDC_5T > 1 and SDC_5U > 1 and SDC_5V > 1 and SDC_5W > 1	English only
2	SDC_5A > 1 and SDC_5B = 1 and SDC_5C > 1 and SDC_5D > 1 and SDC_5E > 1 and SDC_5F > 1 and SDC_5G > 1 and SDC_5H > 1 and SDC_5I > 1 and SDC_5J > 1 and SDC_5K > 1 and SDC_5L > 1 and SDC_5M > 1 and SDC_5N > 1 and SDC_5O > 1 and SDC_5P > 1 and SDC_5Q > 1 and SDC_5R > 1 and SDC_5S > 1 and SDC_5T > 1 and SDC_5U > 1 and SDC_5V > 1 and SDC_5W > 1	French only
3	SDC_5A = 1 and SDC_5B = 1 and SDC_5C > 1 and SDC_5D > 1 and SDC_5E > 1 and SDC_5F > 1 and SDC_5G > 1 and SDC_5H > 1 and SDC_5I > 1 and SDC_5J > 1 and SDC_5K > 1 and SDC_5L > 1 and SDC_5M > 1 and SDC_5N > 1 and SDC_5O > 1 and SDC_5P > 1 and SDC_5Q > 1 and SDC_5R > 1 and SDC_5S > 1 and SDC_5T > 1 and SDC_5U > 1 and SDC_5V > 1 and SDC_5W > 1	English and French only

4	(SDC_5A = 1 and SDC_5B = 1) and (SDC_5C = 1 or SDC_5D = 1 or SDC_5E = 1 or SDC_5F = 1 or SDC_5G = 1 or SDC_5H = 1 or SDC_5I = 1 or SDC_5J = 1 or SDC_5K = 1 or SDC_5L = 1 or SDC_5M = 1 or SDC_5N = 1 or SDC_5O = 1 or SDC_5P = 1 or SDC_5Q = 1 or SDC_5R = 1 or SDC_5S = 1 or SDC_5T = 1 or SDC_5U = 1 or SDC_5V = 1 or SDC_5W = 1)	English, French and Other
5	(SDC_5A = 1 and SDC_5B > 1) and (SDC_5C = 1 or SDC_5D = 1 or SDC_5E = 1 or SDC_5F = 1 or SDC_5G = 1 or SDC_5H = 1 or SDC_5I = 1 or SDC_5J = 1 or SDC_5K = 1 or SDC_5L = 1 or SDC_5M = 1 or SDC_5N = 1 or SDC_5O = 1 or SDC_5P = 1 or SDC_5Q = 1 or SDC_5R = 1 or SDC_5S = 1 or SDC_5T = 1 or SDC_5U = 1 or SDC_5V = 1 or SDC_5W = 1)	English and Other (not French)
6	(SDC_5A > 1 and SDC_5B = 1) and (SDC_5C = 1 or SDC_5D = 1 or SDC_5E = 1 or SDC_5F = 1 or SDC_5G = 1 or SDC_5H = 1 or SDC_5I = 1 or SDC_5J = 1 or SDC_5K = 1 or SDC_5L = 1 or SDC_5M = 1 or SDC_5N = 1 or SDC_5O = 1 or SDC_5P = 1 or SDC_5Q = 1 or SDC_5R = 1 or SDC_5S = 1 or SDC_5T = 1 or SDC_5U = 1 or SDC_5V = 1 or SDC_5W = 1)	French and Other (not English)

7	(SDC_5A > 1 and SDC_5B > 1) and (SDC_5C = 1 or SDC_5D = 1 or SDC_5E = 1 or SDC_5F = 1 or SDC_5G = 1 or SDC_5H = 1 or SDC_5I = 1 or SDC_5J = 1 or SDC_5K = 1 or SDC_5L = 1 or SDC_5M = 1 or SDC_5N = 1 or SDC_5O = 1 or SDC_5P = 1 or SDC_5Q = 1 or SDC_5R = 1 or SDC_5S = 1 or SDC_5T = 1 or SDC_5U = 1 or SDC_5V = 1 or SDC_5W = 1)	Other (neither English nor French)
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**9) First official language learned and still understood**

**Variable name:** SDCDFL1

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

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

**Introduced in:** CCHS - Cycle 2.1

**Specifications**

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

2	SDC_6A > 1 and SDC_6B = 1 and SDC_6C > 1 and SDC_6D > 1 and SDC_6E > 1 and SDC_6F > 1 and SDC_6G > 1 and SDC_6H > 1 and SDC_6I > 1 and SDC_6J > 1 and SDC_6K > 1 and SDC_6L > 1 and SDC_6M > 1 and SDC_6N > 1 and SDC_6O > 1 and SDC_6P > 1 and SDC_6Q > 1 and SDC_6R > 1 and SDC_6S > 1 and SDC_6T > 1 and SDC_6U > 1 and SDC_6V > 1 and SDC_6W > 1	French only
3	(SDC_6A = 1 and SDC_6B = 1) and SDC_6C > 1 and SDC_6D > 1 and SDC_6E > 1 and SDC_6F > 1 and SDC_6G > 1 and SDC_6H > 1 and SDC_6I > 1 and SDC_6J > 1 and SDC_6K > 1 and SDC_6L > 1 and SDC_6M > 1 and SDC_6N > 1 and SDC_6O > 1 and SDC_6P > 1 and SDC_6Q > 1 and SDC_6R > 1 and SDC_6S > 1 and SDC_6T > 1 and SDC_6U > 1 and SDC_6V > 1 and SDC_6W > 1	English and French only
4	(SDC_6A = 1 and SDC_6B = 1) and (SDC_6C = 1 or SDC_6D = 1 or SDC_6E = 1 or SDC_6F = 1 or SDC_6G = 1 or SDC_6H = 1 or SDC_6I = 1 or SDC_6J = 1 or SDC_6K = 1 or SDC_6L = 1 or SDC_6M = 1 or SDC_6N = 1 or SDC_6O = 1 or SDC_6P = 1 or SDC_6Q = 1 or SDC_6R = 1 or SDC_6S = 1 or SDC_6T = 1 or SDC_6U = 1 or SDC_6V = 1 or SDC_6W = 1)	English, French and Other

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

**10) Language(s) spoken at home****Variable name:** SDCDLHM**Based on:** SDC\_5AA, SDC\_5AB, SDC\_5AC, SDC\_5AD, SDC\_5AE, SDC\_5AF, SDC\_5AG, SDC\_5AH, SDC\_5AI, SDC\_5AJ, SDC\_5AK, SDC\_5AL, SDC\_5AM, SDC\_5AN, SDC\_5AO, SDC\_5AP, SDC\_5AQ, SDC\_5AR, SDC\_5AS, SDC\_5AT, SDC\_5AU, SDC\_5AV, SDC\_5AW**Description:** This variable indicates the language(s) in which the respondent most often speaks at home.**Introduced in:** CCHS - Cycle 4.1 - 2007**Note:** Prior to 2007, SDC\_Q5 was a mark one question. Multiple answers are now allowed.

<b>Specifications</b>			
<b>Value</b>	<b>Condition(s)</b>	<b>Description</b>	<b>Notes</b>
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 and SDC_5AC > 1 and SDC_5AD > 1 and SDC_5AE > 1 and SDC_5AF > 1 and SDC_5AG > 1 and SDC_5AH > 1 and SDC_5AI > 1 and SDC_5AJ > 1 and SDC_5AK > 1 and SDC_5AL > 1 and SDC_5AM > 1 and SDC_5AN > 1 and SDC_5AO > 1 and SDC_5AP > 1 and SDC_5AQ > 1 and SDC_5AR > 1 and SDC_5AS > 1 and SDC_5AT > 1 and SDC_5AU > 1 and SDC_5AV > 1 and SDC_5AW > 1	English only	
2	SDC_5AA > 1 and SDC_5AB = 1 and SDC_5AC > 1 and SDC_5AD > 1 and SDC_5AE > 1 and SDC_5AF > 1 and SDC_5AG > 1 and SDC_5AH > 1 and SDC_5AI > 1 and SDC_5AJ > 1 and SDC_5AK > 1 and SDC_5AL > 1 and SDC_5AM > 1 and SDC_5AN > 1 and SDC_5AO > 1 and SDC_5AP > 1 and SDC_5AQ > 1 and SDC_5AR > 1 and SDC_5AS > 1 and SDC_5AT > 1 and SDC_5AU > 1 and SDC_5AV > 1 and SDC_5AW > 1	French only	

3	SDC_5AA = 1 and SDC_5AB = 1 and SDC_5AC > 1 and SDC_5AD > 1 and SDC_5AE > 1 and SDC_5AF > 1 and SDC_5AG > 1 and SDC_5AH > 1 and SDC_5AI > 1 and SDC_5AJ > 1 and SDC_5AK > 1 and SDC_5AL > 1 and SDC_5AM > 1 and SDC_5AN > 1 and SDC_5AO > 1 and SDC_5AP > 1 and SDC_5AQ > 1 and SDC_5AR > 1 and SDC_5AS > 1 and SDC_5AT > 1 and SDC_5AU > 1 and SDC_5AV > 1 and SDC_5AW > 1	English and French only
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)	English, French and Other
5	(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)	English and Other (not French)



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6	(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)	French and Other (not English)
7	(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)	Other (neither English nor French)

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## 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.
- Introduced in:** CCHS - Cycle 1.1
- 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 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

### 2) Number of Years Since Stopped Smoking Completely

- Variable name:** SMKDSTP
- Based on:** SMK\_06A, SMK\_06C, SMK\_09A, SMK\_09C, SMK\_10, SMK\_10A, SMK\_10C, SMKDSTY
- Description:** This variable indicates the approximate number of years since former smokers completely quit smoking.
- Introduced in:** CCHS - Cycle 2.1
- Note:** Current smokers and respondents who have never smoked a whole cigarette and respondents who have not smoked a total of 100 cigarettes or more in their lifetime were excluded from the population.

Specifications			
Value	Condition(s)	Description	Notes
996	(SMKDSTY = 1, 2, 3, 6) or	Population exclusions	NA

	(SMK_202 = 3 and SMK_01A = 2 and SMK_01B = 1)		
999	SMKDSTY = NS or (SMK_10 = DK, R, NS) or (SMK_06A = DK, R, NS) or (SMK_06C = DK, R, NS) or (SMK_09A = DK, R, NS) or (SMK_09C = DK, R, NS) or (SMK_10A = DK, R, NS) or (SMK_10C = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
0	SMK_06A = 1 or (SMK_10 = 1 and SMK_09A = 1) or SMK_10A = 1	Number of years since completely quit smoking	(less than 1 year)
1	SMK_06A = 2 or (SMK_10 = 1 and SMK_09A = 2) or SMK_10A = 2	Number of years since completely quit smoking	(1 year to < 2 years)
2	SMK_06A = 3 or (SMK_10 = 1 and SMK_09A = 3) or SMK_10A = 3	Number of years since completely quit smoking	(2 years to < 3 years)
SMK_06C	SMK_06A = 4	Number of years since completely quit smoking	(min: 3; max: 125)
SMK_09C	SMK_09A = 4 and SMK_10 = 1	Number of years since completely quit smoking	(min: 3; max: 125)
SMK_10C	SMK_10A = 4	Number of years since completely quit smoking	(min: 3; max: 125)

### 3) Number of Years Smoked Daily (Current Daily Smokers Only)

**Variable name:** SMKDYCS

**Based on:** SMK\_202, SMK\_203, DHH\_AGE

**Description:** This variable indicates the number of years the respondent has smoked daily.

**Introduced in:** CCHS - Cycle 1.1

**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)

## Waiting times (9 DVs)

### 1) Number of Acceptable Waiting Days to Receive Non-Urgent Surgery

**Variable name:** WTMZDCA

**Based on:** WTMZ\_21A, WTMZ\_23A, WTMZ\_24, WTMZ\_25A, WTMZ\_25B, WTMZDCO, WTMZDCN

**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.

**Introduced in:** CCHS - Cycle 2.1

**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	DHH_AGE < 15 or ACCZ_20 = 2	Population exclusions	NA
9999	([WTMZ_21A = DK, R, NS] and WTMZ_24 = 1) or ([WTMZ_23A = DK, R, NS] and WTMZ_24 = 1) or (WTMZ_25A = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
WTMZDCO	WTMZ_21A < 996 and WTMZ_24 = 1	Number of acceptable waiting days	
WTMZDCN	WTMZ_23A < 996 and WTMZ_24 = 1	Number of acceptable waiting days	
WTMZ_25A	WTMZ_25B = 1	Number of acceptable waiting days	
WTMZ_25A * 7	WTMZ_25B = 2	Number of acceptable waiting days	
WTMZ_25A * 30	WTMZ_25B = 3	Number of acceptable waiting days	

### 2) Number of Waiting Days to Receive Non-Urgent Surgery - Surgery Not Done

**Variable name:** WTMZDCN

**Based on:** WTMZ\_23A, WTMZ\_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.

**Introduced in:** CCHS - Cycle 2.1

**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	DHH_AGE < 15 or ACCZ_20 = 2 or	Population exclusions	NA

	WTMZ_17 = 1		
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
9999	(WTMZ_23A = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
WTMZ_23A	WTMZ_23B = 1	Number of waiting days	
WTMZ_23A * 7	WTMZ_23B = 2	Number of waiting days	
WTMZ_23A * 30	WTMZ_23B = 3	Number of waiting days	

### 3) Number of Waiting Days to Receive Non-Urgent Surgery - Surgery Done

**Variable name:** WTMZDCO

**Based on:** WTMZ\_21A, WTMZ\_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.

**Introduced in:** CCHS - Cycle 2.1

**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	DHH_AGE < 15 or ACCZ_20 = 2 or WTMZ_17 = 2	Population exclusions	NA
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
9999	(WTMZ_21A = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
WTMZ_21A	WTMZ_21B = 1	Number of waiting days	
WTMZ_21A * 7	WTMZ_21B = 2	Number of waiting days	
WTMZ_21A * 30	WTMZ_21B = 3	Number of waiting days	

### 4) Number of Acceptable Waiting Days to See a Medical Specialist

**Variable name:** WTMZDSA

**Based on:** WTMZ\_07A, WTMZ\_08A, WTMZ\_10, WTMZ\_11A, WTMZ\_11B, WTMZDSO, WTMZDSN

**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.

**Introduced in:** CCHS - Cycle 2.1

**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	DHH_AGE < 15 or ACCZ_10 = 2 or WTMZ_01 = 2	Population exclusions	NA
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
9999	((WTMZ_07A = DK, R, NS) and WTMZ_10 = 1) or ((WTMZ_08A = DK, R, NS) and WTMZ_10 = 1) or (WTMZ_11A = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
WTMZDSO	WTMZ_07A < 996 and WTMZ_10 = 1	Number of acceptable waiting days	
WTMZDSN	WTMZ_08A < 996 and WTMZ_10 = 1	Number of acceptable waiting days	
WTMZ_11A	WTMZ_11B = 1	Number of acceptable waiting days	
WTMZ_11A * 7	WTMZ_11B = 2	Number of acceptable waiting days	
WTMZ_11A * 30	WTMZ_11B = 3	Number of acceptable waiting days	

### 5) Number of Waiting Days to See a Medical Specialist - Not Seen Specialist

**Variable name:** WTMZDSN

**Based on:** WTMZ\_08A, WTMZ\_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.

**Introduced in:** CCHS - Cycle 2.1

**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	DHH_AGE < 15 or ACCZ_10 = 2 or WTMZ_01 = 2 or WTMZ_04 = 1	Population exclusions	NA
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
9999	(WTMZ_08A = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
WTMZ_08A	WTMZ_08B = 1	Number of waiting days	
WTMZ_08A * 7	WTMZ_08B = 2	Number of waiting days	
WTMZ_08A * 30	WTMZ_08B = 3	Number of waiting days	

### 6) Number of Waiting Days to See a Medical Specialist - Seen Specialist

**Variable name:** WTMZDSO

**Based on:** WTMZ\_07A, WTMZ\_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.

**Introduced in:** CCHS - Cycle 2.1

**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	DHH_AGE < 15 or ACCZ_10 = 2 or WTMZ_01 = 2 or WTMZ_04 = 2	Population exclusions	NA
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
9999	(WTMZ_07A = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
WTMZ_07A	WTMZ_07B = 1	Number of waiting days	
WTMZ_07A * 7	WTMZ_07B = 2	Number of waiting days	
WTMZ_07A * 30	WTMZ_07B = 3	Number of waiting days	

## 7) Number of Acceptable Waiting Days for Diagnostic Test

**Variable name:** WTMZDTA

**Based on:** WTMZ\_38A, WTMZ\_39A, WTMZ\_40, WTMZ\_41A, WTMZ\_41B, WTMZDTO, WTMZDTN

**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.

**Introduced in:** CCHS - Cycle 2.1

**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	DHH_AGE < 15 or ACCZ_30 = 2	Population exclusions	NA
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
9999	([WTMZ_38A = DK, R, NS] and WTMZ_40 = 1) or ([WTMZ_39A = DK, R, NS] and WTMZ_40 = 1) or (WTMZ_41A = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
WTMZDTO	WTMZ_38A < 996 and WTMZ_40 = 1	Number of acceptable waiting days	

WTMZDTN	WTMZ_39A < 996 and WTMZ_40 = 1	Number of acceptable waiting days
WTMZ_41A	WTMZ_41B = 1	Number of acceptable waiting days
WTMZ_41A * 7	WTMZ_41B = 2	Number of acceptable waiting days
WTMZ_41A * 30	WTMZ_41B = 3	Number of acceptable waiting days

## 8) Number of Waiting Days for Diagnostic Test - Test Not Done

**Variable name:** WTMZDTN

**Based on:** WTMZ\_39A, WTMZ\_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.

**Introduced in:** CCHS - Cycle 2.1

**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	DHH_AGE < 15 or ACCZ_30 = 2 or WTMZ_32 = 1	Population exclusions	NA
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
9999	(WTMZ_39A = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
WTMZ_39A	WTMZ_39B = 1	Number of waiting days	
WTMZ_39A * 7	WTMZ_39B = 2	Number of waiting days	
WTMZ_39A * 30	WTMZ_39B = 3	Number of waiting days	

## 9) Number of Waiting Days for Diagnostic Test - Test Done

**Variable name:** WTMZDTO

**Based on:** WTMZ\_38A, WTMZ\_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.

**Introduced in:** CCHS - Cycle 2.1

**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.



<b>Specifications</b>			
<b>Value</b>	<b>Condition(s)</b>	<b>Description</b>	<b>Notes</b>
9996	DHH_AGE < 15 or ACCZ_30 = 2 or WTMZ_32 = 2	Population exclusions	NA
9999	ADM_PRX = 1	Module not asked - proxy interview	NS
9999	(WTMZ_38A = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
WTMZ_38A	WTMZ_38B = 1	Number of waiting days	
WTMZ_38A * 7	WTMZ_38B = 2	Number of waiting days	
WTMZ_38A * 30	WTMZ_38B = 3	Number of waiting days	