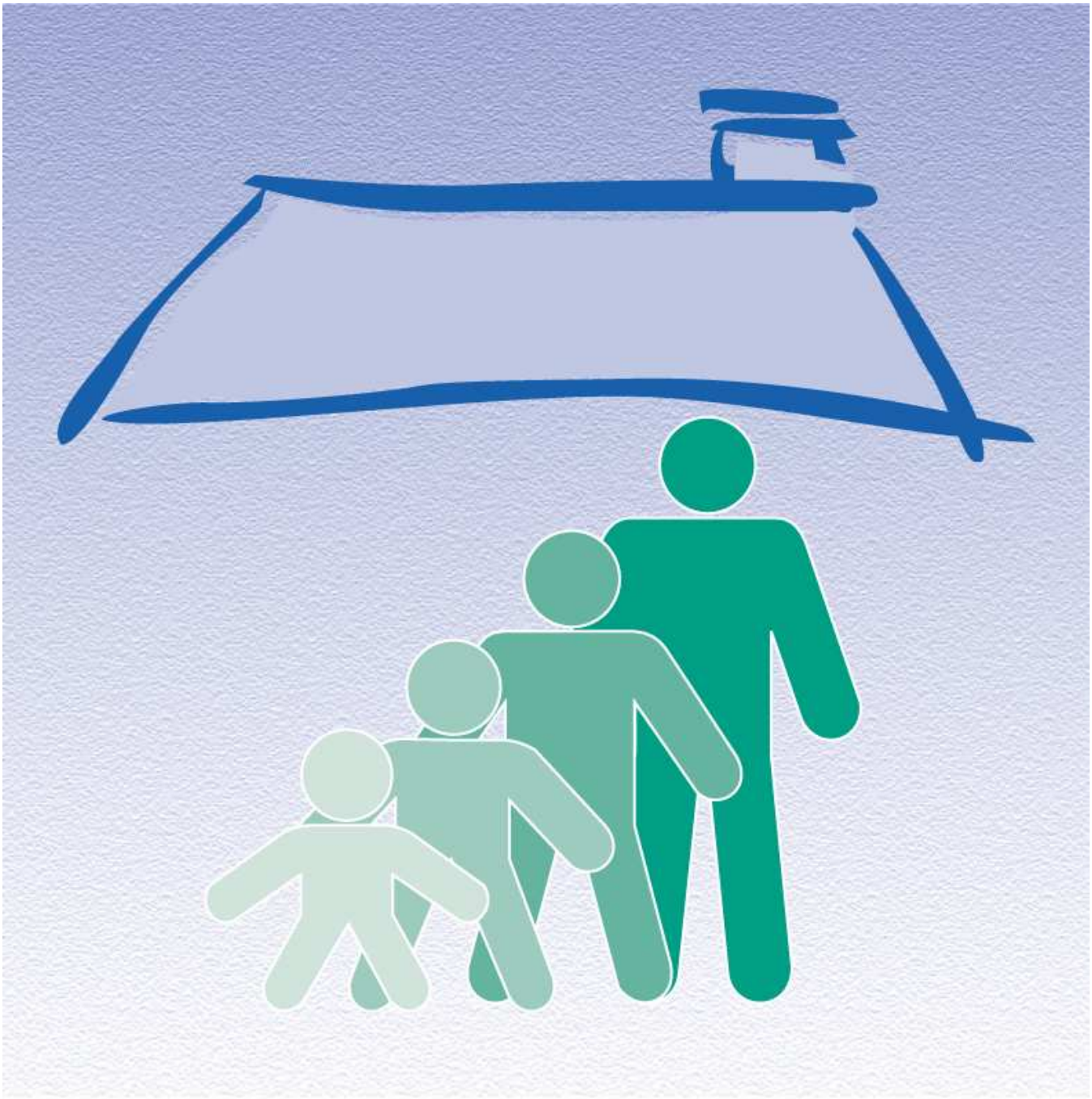
Canadian Community Health Survey (CCHS)

Annual Component, 2009 Sub-Sample

Derived Variable (DV) Specifications



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Activities of Daily Living (1 DV)

1) Need for help with instrumental activities of daily living

Variable name: ADLF6R

Based on: ADL_01, ADL_02, ADL_03, ADL_04, ADL_05, ADL_06

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

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

RACF6R was
modified from RACAF6 (CCHS Cycle 1.1) by adding RAC_6G. The series of tasks included was revised based on the Participation and Activity Limitation Survey. Hence, this derived variable has been modified to take into account the revised set of tasks and thus this DV is not entirely comparable to RACAF6.

The variable was also modified in 2007 as question RAC_6D was no longer asked.

Specifications

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

Alcohol use (1 DV)

1) Type of Drinker (12 Months)

Variable name: ALCDTTM

Based on: ALC_1, ALC_2

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

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

Specifications

Value	Condition(s)	Description	Notes
9	(ALC_1 = DK, R, NS) or (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	

Chronic conditions (1 DV)

1) Diabetes type

Variable name: CCCDDIA

Based on: CCC_10A, CCC_10B, CCC_10C, CCC_101, CCC_102, CCC_105, CCC_106, DHH_AGE, DHH_SEX

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

Note: This derived variable was introduced in 2009.

Specifications

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

Contacts with health professionals (2 DVs)

1) Number of Consultations with Medical Doctor/Paediatrician

Variable name: CHPDMDC

Based on: CHP_04, CHP_09

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

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

Specifications

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

2) Consultations with Health Professionals

Variable name: CHPFCOP

Based on: CHP_04, CHP_07, CHP_09, CHP_12, CHP_15, CHP_17, CHP_19, CHP_21, CHP_23, CHP_25

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

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

Specifications

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

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

Dwelling and household variables (10 DVs)

1) Age of spouse

Variable name: DHHDSAGE

Based on: SAMPLEID, PERSONID, DHH_AGE, RELATIONSHIP

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

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

Specifications

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

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

Variable name: DHHDYKD

Based on: PERSONID, DHH_AGE, RELATIONSHIP

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

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

Specifications

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

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

Variable name: DHHDOKD

Based on: PERSONID, DHH_AGE, RELATIONSHIP

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

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

within each SAMPLEID.

Specifications			
Value	**Condition(s)**	**Description**	**Notes**
Total number of PERSONID's with each SAMPLEID	DHH_AGE = 16, 17 (Member file) AND 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)

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

Variable name: DHHDLE5

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.

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 with each SAMPLEID	DHH_AGE <= 5 (Member file)	Number of persons under 6 in a household	(min: 0; max: 40)

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

Variable name: DHHD611

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.

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)

6) 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.

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)

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

Variable name: DHHDL18

Based on: SAMPLEID, PERSONID, DHH_AGE, RELATIONSHIP

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

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

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

8) Living/Family Arrangement of Selected Respondent

Variable name: DHHDLVG

Based on: DHH_REL of selected respondent, DHHDHSZ

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

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

Temporary Reformat			
Value	**Condition(s)**	**Description**	**Notes**
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	DHHDHSZ = 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	DHHDHSZ = 2 and DHH_REL = X1	Spouse/partner living with spouse/partner Lives with spouse/partner only. (Household size=2)	
4	DHHDHSZ > 2 and One DHH_REL = X1 and all other DHH_REL = A1	Parent living with spouse/partner and children 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	DHHDHSZ = 2 and DHH_REL = B1	Child living with a single parent. (Household size=2)	
7	DHHDHSZ > 2 and One DHH_REL = B1 and all other DHH_ REL = C1	Child living with a single parent and siblings	
8	DHHDHSZ = 3 and All DHH_REL = B1	Child living with two parents. (Household size=3)	
9	DHHDHSZ > 3 and Two DHH_REL = B1 and all other DHH_REL = C1	Child living with two parents and siblings	
10	Else	Other Lives in a household composition not classified above	

9) Economic Family Status (Household Type)

Variable name: DHHDECF

Based on: DHH_REL for all PERSONID in SAMPLEID, DHH_AGE, DHH_SEX, DHHDHSZ

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

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

Temporary Reformat

Value	Condition(s)	Description	Notes
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

Specifications

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.

10) 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.

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)

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.

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.

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.

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

4) Highest Level of Education - Respondent, 10 Levels

Variable name: EDUDR10

Based on: EDU_1, EDU_2, EDU_3, EDU_4

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

Specifications

Value	Condition(s)	Description	Notes
1	EDU_1 = 1 and 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

Fruit and vegetable consumption (8 DVs)

1) Daily Consumption - Fruit Juice

Variable name: FVCDJUI

Based on: FVC_1A, FVC_1B, FVC_1C, FVC_1D, FVC_1E

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

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

Specifications

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

2) Daily Consumption - Other Fruit

Variable name: FVCDFRU

Based on: FVC_2A, FVC_2B, FVC_2C, FVC_2D, FVC_2E

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

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

Specifications

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

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

3) Daily Consumption - Green Salad

Variable name: FVCDSAL

Based on: FVC_3A, FVC_3B, FVC_3C, FVC_3D, FVC_3E

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

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

Specifications

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

4) Daily Consumption - Potatoes

Variable name: FVCDPOT

Based on: FVC_4A, FVC_4B, FVC_4C, FVC_4D, FVC_4E

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

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

Specifications

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

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

5) Daily Consumption - Carrots

Variable name: FVCDCAR

Based on: FVC_5A, FVC_5B, FVC_5C, FVC_5D, FVC_5E

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

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

Specifications

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

6) Daily Consumption - Other Vegetables

Variable name: FVCDVEG

Based on: FVC_6A, FVC_6B, FVC_6C, FVC_6D, FVC_6E

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

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

Specifications

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

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

7) Daily Consumption - Total Fruit and Vegetable

Variable name: FVCDTOT

Based on: FVCDJUI, FVCDFRU, FVCDSAL, FVCDPOT, FVCDCAR, FVCDVEG

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

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

Specifications

Value	Condition(s)	Description	Notes
999.9	ADM_PRX = 1	Module not asked - proxy interview	NS
999.9	FVCDJUI = NS or FVCDFRU = NS or FVCDSAL = NS or FVCDPOT = NS or FVCDCAR = NS or FVCDVEG = NS	At least one required question was not answered (don't know, refusal, not stated)	NS
FVCDJUI + FVCDFRU + FVCDSAL + FVCDPOT + FVCDCAR + FVCDVEG	(0 <= FVCDJUI <= 20) and (0 <= FVCDFRU <= 20) and (0 <= FVCDSAL <= 20) and (0 <= FVCDPOT <= 20) and (0 <= FVCDCAR <= 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.

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

Specifications

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

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

General health (3 DVs)

1) Perceived Health

Variable name: GENDHDI

Based on: GEN_01

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

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

Specifications

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

2) Perceived Mental Health

Variable name: GENDMHI

Based on: GEN_02B

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

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

Specifications

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

3) Satisfaction with life in general - (G)

Variable name: GENGSWL

Based on: GEN_02A2

Description: This variable groups the 11-point scale used in GEN_02A2 to rate a respondent's satisfaction with life into 5 categories. The 5 categories were used for GEN_02A prior to 2009.

Note: This variable is available for the purpose of comparing data from question GEN_02A2 introduced in 2009 to GEN_02A. Users should be aware that although a good concordance was determined, GEN_02A was based on a 5-point answer category vs. an 11-point scale for the variable GEN_02A2.

Specifications

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

Geography variables (16 DVs)

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

1) Postal Code

Variable name: GEODPC

Based on: Respondent address information

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

2) Health Region

Variable name: GEODHR4

Based on: GEODPC

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

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

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

3) Quebec Sub-Health Region

Variable name: GEODSHR

Based on: GEODPC

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

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

4) Nova Scotia District Health Authority (DHA)

Variable name: GEODDHA

Based on: GEODPC

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

5) British Columbia Local Health Authority (LHA)

Variable name: GEODLHA

Based on: GEODPC

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

6) Ontario Local Health Integration Network

Variable name: GEODLHN

Based on: GEOPRV, GEODPC

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

7) 2006 Census Dissemination Area (DA)

Variable name: GEODDA06

Based on: GEODPC

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

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

8) 2006 Census Federal Electoral District (FED)

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.

9) 2006 Census Subdivision (CSD)

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).

10) 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).

11) 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 and Nunavut). A SAC code type is assigned to each CSD. The SAC is used for data dissemination purposes.

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

12) 2006 Census Metropolitan Area (CMA)

Variable name: GEODCMA6

Based on: GEODPC

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

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

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

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

13) Peer Group

Variable name: GEODPG09

Based on: GEODHR4

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

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

Specifications

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

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

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

14) Urban-Rural Classification

Variable name: GEODUR

Based on: GEODPC

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

Specifications

Value	Condition(s)	Description	Notes
0		Rural	

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

15) Urban-Rural Classification - Grouped

Variable name: GEODUR2

Based on: GEODUR

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

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

Specifications

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

16) Population Size Group

Variable name: GEODPSZ

Based on: GEODPC, GEODCMA6, GEODUR

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

Specifications

Value	Condition(s)	Description	Notes
1	GEODUR=0	Rural Area	
2	Population size of the urban area (or CMA) < 30,000	Urban Area 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 utilities index (8 DVs)

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

1) Vision Health Status

Variable name: HUIDVIS

Based on: HUI_01, HUI_02, HUI_03, HUI_04, HUI_05

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

Specifications

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

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

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

2) Hearing Health Status

Variable name: HUIDHER

Based on: HUI_06, HUI_07, HUI_07A, HUI_08, HUI_09

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

Note: See usage note for the classification.

Specifications

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

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

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

3) Speech Health Status

Variable name: HUIDSPE

Based on: HUI_10, HUI_11, HUI_12, HUI_13

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

Specifications

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

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

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

4) Ambulation Health Status

Variable name: HUIDMOB

Based on: HUI_14, HUI_15, HUI_16, HUI_17, HUI_18

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

Specifications

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

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

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

5) Dexterity Health Status

Variable name: HUIDDEX

Based on: HUI_21, HUI_22, HUI_23, HUI_24

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

Specifications

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

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

6) Emotion Health Status

Variable name: HUIDEMO

Based on: HUI_25

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

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

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

7) Cognition Health Status

Variable name: HUIDCOG

Based on: HUI_26, HUI_27

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

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

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

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

8) Health Utilities Index

Variable name: HUIDHSI

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

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

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

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

Note: HUI3 question content resides in the public domain, and is not subject to copyright restrictions. The HUI3 algorithm is the property of Health Utilities Inc. and is protected by copyright. Statistics Canada is authorized, when requested, to share this algorithm with users who wish to replicate results or analyses conducted by Statistics Canada. The use of the algorithm for other purposes, or the sharing of it with others, is prohibited.

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

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

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

Health utilities index - Pain and discomfort (1 DV)

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

1) Pain Health Status

Variable name: HUPDPAD

Based on: HUP_01, HUP_03

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

Specifications

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

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

Height and weight - Self-reported (5 DVs)

1) Height (Metres) - Self-Reported

Variable name: HWTDHTM

Based on: HWT_2, HWT_2C, HWT_2D, HWT_2E, HWT_2F

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

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

Specifications

Value	Condition(s)	Description	Notes
9.996	MAM_037 = 1	Population exclusion - Pregnant women	NA
9.999	ADM_PRX = 1	Module not asked - proxy interview	NS
9.999	(HWT_2 = DK, R, NS) or (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.

Specifications

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

3) Body Mass Index (self-reported)

Variable name: HWTDBMI

Based on: HWTDHTM, HWTDWTK

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

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	HWTDHTM = NS or HWTDWTK = NS	Respondents for whom a valid self-reported height and weight was not obtained	NS
HWTDWTK / (HWTDHTM × HWTDHTM)	HWTDHTM < NA and HWTDWTK < NA	BMI calculated from both self-reported height and self-reported weight values	(Rounded to two decimal places)

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

Variable name: HWTDISW

Based on: HWTDBMI, DDH_AGE

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

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

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

This variable excludes female respondents aged 18 to 49 who were pregnant or did not answer the pregnancy question (i.e. MAM_037 = don't know, refusal, not stated).

Internet site: http ://www.hc-sc.gc.ca/hpfb-dgpsa/onpp-bppn/weight_book_f.pdf

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

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

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

Variable name: HWTDCOL

Based on: HWTDBMI, DHH_SEX, DHHYOB, DHHMOB, DHHDOB, ADM_YOI, ADM_MOI, ADM_DOI

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

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

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

Temporary Reformat

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

Specifications

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

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

DHH_SEX = 1 and
999.96 > HWTDBMI >= 30.00) or
(AGET1 = 18 and
DHH_SEX = 2 and
999.96 > HWTDBMI >= 30.00)

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

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

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

Income (6 DVs)

TEMPORARY VARIABLE

Household income ratio

Variable name: INCTRAT

Based on: INC_5, INCDHH, GEO_PRV, DHHDHSZ, GEODPSZ

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

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

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

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

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

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

Step 2a: Household income is obtained using INC_5 questions for a specific amount and INCDHH (INC_5A to INC_5C) for an amount in an interval.

If a specific amount is obtained at question INC_5, that amount is used as household income. If only one interval is reported for INC_5A to INC_5C, a random value within each interval is derived from INCDHH for household income for all intervals but the highest one (see next step).

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

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

	2007
Newfoundland and Labrador	142 580
Prince Edward Island	133 457
Nova Scotia	145 050
New Brunswick	139 659
Quebec	143 119
Ontario	153 360
Manitoba	149 934
Saskatchewan	145 987
Alberta	182 772
British Columbia	155 787

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

Temporary Reformat

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

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

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

1) Total Household Income - All Sources

Variable name: INCDHH

Based on: INC_3, INC_5A, INC_5B, INC_5C

Description: This variable groups the total household income from all sources. A range category was previously assigned by the application to respondents who provided an exact amount in question INC_3. The Territories are excluded from this derived variable.

Specifications

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

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

2) Personal Income - All Sources

Variable name: INCDPER

Based on: INC_8A, INC_8B, INC_8C, INC_8D

Description: This variable indicates the respondent's personal income from all sources. A range category was previously assigned by the application to respondents who provided an exact amount in question INC_8A. The Territories are excluded from this derived variable.

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

Specifications

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

99	Else	Not enough information for the classification	NS

3) Adjusted household income ratio - National level

Variable name: INCDADR

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

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

Specifications

Value	Condition(s)	Description	Notes
9.999999996	INCTRAT = 99.999999996	Residents of territories excluded	NA (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.

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

Specifications

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

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

5) Distribution of household income - Provincial level

Variable name: INCDRPR

Based on: INCDADR, GEO_PRV

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

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

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

Specifications

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

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

6) Distribution of household income - Health region level

Variable name: INCDRRS

Based on: INCDADR, GEO_DHR4

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

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

The INCDRRS values are based on a distribution of adjusted ratios for the residents of each of the 122 health regions. This variable should therefore be used in conjunction with the variable for the health region province of residence (GEO_DHR4).

Specifications

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

Injuries (4 DVs)

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

1) Type of Injury by Body Site

Variable name: INJDTBS

Based on: INJ_05, INJ_06, INJ_07

Description: This variable categorizes injury type by body site.

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

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

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

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

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

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

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

2) Cause of Injury

Variable name: INJDCAU

Based on: INJ_10, INJ_12

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

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

Specifications

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

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

3) Cause of Injury by Place of Occurrence

Variable name: INJDCBP

Based on: INJ_08, INJDCAU

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

Note: This variable was derived by creating a matrix between all possible answers in the derived variable INJDCAU (cause of injury) with all possible answers in question INJ_08 (place of occurrence). The 'Other cause of injury' category can include such accidents as those caused by electrical current, firearms, and ski-lifts. Respondents who did not suffer any injuries in the 12 months before the interview have been excluded from the population.

Specifications

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

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

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

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

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

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

4) Injury Status

Variable name: INJDSTT

Based on: INJ_01, INJ_16

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

Specifications

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

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

Workplace injury (2 DVs)

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

1) Injury at Work - Occupation Group

Variable name: INWDOCG

Based on: DHH_AGE, LBSDWSS, INWTSOC

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

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

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

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

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

2) Injury at work - Industry Group

Variable name: INWDING

Based on: INWTSIC, DHH_AGE, LBSDWSS

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

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

Temporary Reformat

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

Specifications

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

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

Labour force (5 DVs)

1) Total usual hours worked per week

Variable name: LBSDHPW

Based on: LBS_42, LBS_53

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

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

Specifications

Value	Condition(s)	Description	Notes
996	DHH_AGE < 15 or 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.

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.

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) 2007 at the 2-digit level.

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

Specifications			
Value	**Condition(s)**	**Description**	**Notes**
96	DHH_AGE < 15 or DHH_AGE > 75 or LBSDWSS = 3 or 4	Population exclusions	NA
99	LBSCSIC = DK, R, NS	At least one required question was not answered (don't know, refusal, not stated)	NS
01	1st 2 digits in LBSCSIC = 11	Agriculture, Forestry, Fishing and Hunting	
02	1st 2 digits in LBSCSIC = 21	Mining, Quarrying, and Oil and Gas Extraction	
03	1st 2 digits in LBSCSIC = 22	Utilities	
04	1st 2 digits in LBSCSIC = 23	Construction	
05	1st 2 digits in LBSCSIC = 31 or 32 or 33	Manufacturing	
06	1st 2 digits in LBSCSIC = 41	Wholesale Trade	
07	1st 2 digits in LBSCSIC = 44 or 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) 2006 at the 2-digit level.

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

Specifications

Value	Condition(s)	Description	Notes
96	DHH_AGE < 15 or 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.

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.

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	

Physical activities (9 DVs)

1) Daily Energy Expenditure in Leisure Time Physical Activities

Variable name: PACDEE

Based on: PAC_1V, PAC_2A, PAC_2B, PAC_2C, PAC_2D, PAC_2E, PAC_2F, PAC_2G, PAC_2H, PAC_2I, PAC_2J, PAC_2K, PAC_2L, PAC_2M, PAC_2N, PAC_2O, PAC_2P, PAC_2Q, PAC_2R, PAC_2S, PAC_2T, PAC_2U, PAC_2W, PAC_2X, PAC_2Z, PAC_3A, PAC_3B, PAC_3C, PAC_3D, PAC_3E, PAC_3F, PAC_3G, PAC_3H, PAC_3I, PAC_3J, PAC_3K, PAC_3L, PAC_3M, PAC_3N, PAC_3O, PAC_3P, PAC_3Q, PAC_3R, PAC_3S, PAC_3T, PAC_3U, PAC_3W, PAC_3X, PAC_3Z

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

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

EE (Energy Expenditure for each activity) = (N X D X METvalue) / 365
Where:
N = the number of times a respondent engaged in an activity over a 12 month period
D = the average duration in hours of the activity
MET value = the energy cost of the activity expressed as kilocalories expended per kilogram of body weight per hour of activity (kcal/kg per hour)/365 (to convert yearly data into daily data)

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

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

* Jogging (MET value 7) and running (MET value 12) fall under one category. Therefore, the MET value for the combined activity is the average of their MET values (9.5). Since it is difficult to assign a MET value to the category "Other Activities", the MET value used is the average of the listed activities except for the average value of jogging and running. Here, the average value of jogging and running is replaced by the value for jogging only. Some activities have MET values lower than the average, however, this approach is consistent with other studies, such as the Campbell's Survey and the Ontario Health Survey (OHS).

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

Beginning in CCHS cycle 2.1, the list of activities (PAC_1n) changed slightly from previous CCHS cycles: The activity "Soccer" was asked explicitly in Cycle 2.1. For Cycle 1.1, this activity was part of the "Other" activities.

Temporary Reformat			
Value	**Condition(s)**	**Description**	**Notes**
PACDEEA			
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 × 4 × .2167 × 3) / 365	PAC_3A = 1	Calculate EE for < 15 min*	WALKING FOR EXERCISE
(PAC_2A × 4 × .3833 × 3) / 365	PAC_3A = 2	Calculate EE for 16 to 30 min*	WALKING FOR EXERCISE
(PAC_2A × 4 × .75 × 3) / 365	PAC_3A = 3	Calculate EE for 31 to 60 min*	WALKING FOR EXERCISE
(PAC_2A × 4 × 1 × 3) / 365	PAC_3A = 4	Calculate EE for > 60 min*	WALKING FOR EXERCISE
PACDEEB			
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 × 4 × .2167 × 3) / 365	PAC_3B = 1	Calculate EE for < 15 min*	GARDENING OR YARD WORK
(PAC_2B × 4 × .3833 × 3) / 365	PAC_3B = 2	Calculate EE for 16 to 30 min*	GARDENING OR YARD WORK
(PAC_2B × 4 × .75 × 3) / 365	PAC_3B = 3	Calculate EE for 31 to 60 min*	GARDENING OR YARD WORK
(PAC_2B × 4 × 1 × 3) / 365	PAC_3B = 4	Calculate EE for > 60 min*	GARDENING OR YARD WORK
PACDEEC			
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 × 4 × .2167 × 3) / 365	PAC_3C = 1	Calculate EE for < 15 min*	SWIMMING
(PAC_2C × 4 × .3833 × 3) / 365	PAC_3C = 2	Calculate EE for 16 to 30 min*	SWIMMING
(PAC_2C × 4 × .75 × 3) / 365	PAC_3C = 3	Calculate EE for 31 to 60 min*	SWIMMING
(PAC_2C × 4 × 1 × 3) / 365	PAC_3C = 4	Calculate EE for > 60 min*	SWIMMING
PACDEED			
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 × 4 × .2167 × 4) / 365	PAC_3D = 1	Calculate EE for < 15 min*	BICYCLING
(PAC_2D × 4 × .3833 × 4) / 365	PAC_3D = 2	Calculate EE for 16 to 30 min*	BICYCLING

(PAC_2D × 4 × .75 × 4) / 365	PAC_3D = 3	Calculate EE for 31 to 60 min*	BICYCLING
(PAC_2D × 4 × 1 × 4) / 365	PAC_3D = 4	Calculate EE for > 60 min*	BICYCLING
PACDEEE			
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 × 4 × .2167 × 3) / 365	PAC_3E = 1	Calculate EE for < 15 min*	POPULAR OR SOCIAL DANCE
(PAC_2E × 4 × .3833 × 3) / 365	PAC_3E = 2	Calculate EE for 16 to 30 min*	POPULAR OR SOCIAL DANCE
(PAC_2E × 4 × .75 × 3) / 365	PAC_3E = 3	Calculate EE for 31 to 60 min*	POPULAR OR SOCIAL DANCE
(PAC_2E × 4 × 1 × 3) / 365	PAC_3E = 4	Calculate EE for > 60 min*	POPULAR OR SOCIAL DANCE
PACDEEF			
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 × 4 × .2167 × 3) / 365	PAC_3F = 1	Calculate EE for < 15 min*	HOME EXERCISES
(PAC_2F × 4 × .3833 × 3) / 365	PAC_3F = 2	Calculate EE for 16 to 30 min*	HOME EXERCISES
(PAC_2F × 4 × .75 × 3) / 365	PAC_3F = 3	Calculate EE for 31 to 60 min*	HOME EXERCISES
(PAC_2F × 4 × 1 × 3) / 365	PAC_3F = 4	Calculate EE for > 60 min*	HOME EXERCISES
PACDEEG			
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 × 4 × .2167 × 6) / 365	PAC_3G = 1	Calculate EE for < 15 min*	ICE HOCKEY
(PAC_2G × 4 × .3833 × 6) / 365	PAC_3G = 2	Calculate EE for 16 to 30 min*	ICE HOCKEY
(PAC_2G × 4 × .75 × 6) / 365	PAC_3G = 3	Calculate EE for 31 to 60 min*	ICE HOCKEY
(PAC_2G × 4 × 1 × 6) / 365	PAC_3G = 4	Calculate EE for > 60 min*	ICE HOCKEY
PACDEEH			
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 × 4 × .2167 × 4) / 365	PAC_3H = 1	Calculate EE for < 15 min*	ICE SKATING
(PAC_2H × 4 × .3833 × 4) / 365	PAC_3H = 2	Calculate EE for 16 to 30 min*	ICE SKATING

(PAC_2H × 4 × .75 × 4) / 365	PAC_3H = 3	Calculate EE for 31 to 60 min*	ICE SKATING
(PAC_2H × 4 × 1 × 4) / 365	PAC_3H = 4	Calculate EE for > 60 min*	ICE SKATING
PACDEEI			
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 × 4 × .2167 × 5) / 365	PAC_3I = 1	Calculate EE for < 15 min*	IN-LINE SKATING OR ROLLERBLADING
(PAC_2I × 4 × .3833 × 5) / 365	PAC_3I = 2	Calculate EE for 16 to 30 min*	IN-LINE SKATING OR ROLLERBLADING
(PAC_2I × 4 × .75 × 5) / 365	PAC_3I = 3	Calculate EE for 31 to 60 min*	IN-LINE SKATING OR ROLLERBLADING
(PAC_2I × 4 × 1 × 5) / 365	PAC_3I = 4	Calculate EE for > 60 min*	IN-LINE SKATING OR ROLLERBLADING
PACDEEJ			
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 × 4 × .2167 × 9.5) / 365	PAC_3J = 1	Calculate EE for < 15 min*	JOGGING OR RUNNING
(PAC_2J × 4 × .3833 × 9.5) / 365	PAC_3J = 2	Calculate EE for 16 to 30 min*	JOGGING OR RUNNING
(PAC_2J × 4 × .75 × 9.5) / 365	PAC_3J = 3	Calculate EE for 31 to 60 min*	JOGGING OR RUNNING
(PAC_2J × 4 × 1 × 9.5) / 365	PAC_3J = 4	Calculate EE for > 60 min*	JOGGING OR RUNNING
PACDEEK			
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 × 4 × .2167 × 4) / 365	PAC_3K = 1	Calculate EE for < 15 min*	GOLFING
(PAC_2K × 4 × .3833 × 4) / 365	PAC_3K = 2	Calculate EE for 16 to 30 min*	GOLFING
(PAC_2K × 4 × .75 × 4) / 365	PAC_3K = 3	Calculate EE for 31 to 60 min*	GOLFING
(PAC_2K × 4 × 1 × 4) / 365	PAC_3K = 4	Calculate EE for > 60 min*	GOLFING
PACDEEL			
0	PAC_3L = NA	Did not participate in activity	EXERCISE CLASS OR AEROBICS
0	(PAC_3L = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	EXERCISE CLASS OR AEROBICS

(PAC_2L × 4 × .2167 × 4) / 365	PAC_3L = 1	Calculate EE for < 15 min*	EXERCISE CLASS OR AEROBICS
(PAC_2L × 4 × .3833 × 4) / 365	PAC_3L = 2	Calculate EE for 16 to 30 min*	EXERCISE CLASS OR AEROBICS
(PAC_2L × 4 × .75 × 4) / 365	PAC_3L = 3	Calculate EE for 31 to 60 min*	EXERCISE CLASS OR AEROBICS
(PAC_2L × 4 × 1 × 4) / 365	PAC_3L = 4	Calculate EE for > 60 min*	EXERCISE CLASS OR AEROBICS
PACDEEM			
0	PAC_3M = NA	Did not participate in activity	DOWNHILL SKIING OR SNOWBOARDING
0	(PAC_3M = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	DOWNHILL SKIING OR SNOWBOARDING
(PAC_2M × 4 × .2167 × 4) / 365	PAC_3M = 1	Calculate EE for < 15 min*	DOWNHILL SKIING OR SNOWBOARDING
(PAC_2M × 4 × .3833 × 4) / 365	PAC_3M = 2	Calculate EE for 16 to 30 min*	DOWNHILL SKIING OR SNOWBOARDING
(PAC_2M × 4 × .75 × 4) / 365	PAC_3M = 3	Calculate EE for 31 to 60 min*	DOWNHILL SKIING OR SNOWBOARDING
(PAC_2M × 4 × 1 × 4) / 365	PAC_3M = 4	Calculate EE for > 60 min*	DOWNHILL SKIING OR SNOWBOARDING
PACDEEN			
0	PAC_3N = NA	Did not participate in activity	BOWLING
0	(PAC_3N = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	BOWLING
(PAC_2N × 4 × .2167 × 2) / 365	PAC_3N = 1	Calculate EE for < 15 min*	BOWLING
(PAC_2N × 4 × .3833 × 2) / 365	PAC_3N = 2	Calculate EE for 16 to 30 min*	BOWLING
(PAC_2N × 4 × .75 × 2) / 365	PAC_3N = 3	Calculate EE for 31 to 60 min*	BOWLING
(PAC_2N × 4 × 1 × 2) / 365	PAC_3N = 4	Calculate EE for > 60 min*	BOWLING
PACDEEO			
0	PAC_3O = NA	Did not participate in activity	BASEBALL OR SOFTBALL
0	(PAC_3O = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	BASEBALL OR SOFTBALL
(PAC_2O × 4 × .2167 × 3) / 365	PAC_3O = 1	Calculate EE for < 15 min*	BASEBALL OR SOFTBALL
(PAC_2O × 4 × .3833 × 3) / 365	PAC_3O = 2	Calculate EE for 16 to 30 min*	BASEBALL OR SOFTBALL
(PAC_2O × 4 × .75 × 3) / 365	PAC_3O = 3	Calculate EE for 31 to 60 min*	BASEBALL OR SOFTBALL
(PAC_2O × 4 × 1 × 3) / 365	PAC_3O = 4	Calculate EE for > 60 min*	BASEBALL OR SOFTBALL
PACDEEP			

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
(PAC_2P × 4 × .2167 × 4) / 365	PAC_3P = 1	Calculate EE for < 15 min*	TENNIS
(PAC_2P × 4 × .3833 × 4) / 365	PAC_3P = 2	Calculate EE for 16 to 30 min*	TENNIS
(PAC_2P × 4 × .75 × 4) / 365	PAC_3P = 3	Calculate EE for 31 to 60 min*	TENNIS
(PAC_2P × 4 × 1 × 4) / 365	PAC_3P = 4	Calculate EE for > 60 min*	TENNIS
PACDEEQ			
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
(PAC_2Q × 4 × .2167 × 3) / 365	PAC_3Q = 1	Calculate EE for < 15 min*	WEIGHT-TRAINING
(PAC_2Q × 4 × .3833 × 3) / 365	PAC_3Q = 2	Calculate EE for 16 to 30 min*	WEIGHT-TRAINING
(PAC_2Q × 4 × .75 × 3) / 365	PAC_3Q = 3	Calculate EE for 31 to 60 min*	WEIGHT-TRAINING
(PAC_2Q × 4 × 1 × 3) / 365	PAC_3Q = 4	Calculate EE for > 60 min*	WEIGHT-TRAINING
PACDEER			
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
(PAC_2R × 4 × .2167 × 3) / 365	PAC_3R = 1	Calculate EE for < 15 min*	FISHING
(PAC_2R × 4 × .3833 × 3) / 365	PAC_3R = 2	Calculate EE for 16 to 30 min*	FISHING
(PAC_2R × 4 × .75 × 3) / 365	PAC_3R = 3	Calculate EE for 31 to 60 min*	FISHING
(PAC_2R × 4 × 1 × 3) / 365	PAC_3R = 4	Calculate EE for > 60 min*	FISHING
PACDEES			
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
(PAC_2S × 4 × .2167 × 5) / 365	PAC_3S = 1	Calculate EE for < 15 min*	VOLLEYBALL
(PAC_2S × 4 × .3833 × 5) / 365	PAC_3S = 2	Calculate EE for 16 to 30 min*	VOLLEYBALL
(PAC_2S × 4 × .75 × 5) / 365	PAC_3S = 3	Calculate EE for 31 to 60 min*	VOLLEYBALL
(PAC_2T × 4 × 1 × 6) / 365	PAC_3S = 4	Calculate EE for > 60 min*	VOLLEYBALL
PACDEET			
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
(PAC_2T × 4 × .2167 × 6) / 365	PAC_3T = 1	Calculate EE for < 15 min*	BASKETBALL
(PAC_2T × 4 × .3833 × 6) / 365	PAC_3T = 2	Calculate EE for 16 to 30 min*	BASKETBALL
(PAC_2T × 4 × .75 × 6) / 365	PAC_3T = 3	Calculate EE for 31 to 60 min*	BASKETBALL
(PAC_2T × 4 × 1 × 6) / 365	PAC_3T = 4	Calculate EE for > 60 min*	BASKETBALL
PACDEEU			
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)
(PAC_2U × 4 × .2167 × 4) / 365	PAC_3U = 1	Calculate EE for < 15 min*	OTHER (U)
(PAC_2U × 4 × .3833 × 4) / 365	PAC_3U = 2	Calculate EE for 16 to 30 min*	OTHER (U)
(PAC_2U × 4 × .75 × 4) / 365	PAC_3U = 3	Calculate EE for 31 to 60 min*	OTHER (U)
(PAC_2U × 4 × 1 × 4) / 365	PAC_3U = 4	Calculate EE for > 60 min*	OTHER (U)
PACDEEW			
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)
(PAC_2W × 4 × .2167 × 4) / 365	PAC_3W = 1	Calculate EE for < 15 min*	OTHER (W)
(PAC_2W × 4 × .3833 × 4) / 365	PAC_3W = 2	Calculate EE for 16 to 30 min*	OTHER (W)
(PAC_2W × 4 × .75 × 4) / 365	PAC_3W = 3	Calculate EE for 31 to 60 min*	OTHER (W)
(PAC_2W × 4 × 1 × 4) / 365	PAC_3W = 4	Calculate EE for > 60 min*	OTHER (W)
PACDEEX			
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)
(PAC_2X × 4 × .2167 × 4) / 365	PAC_3X = 1	Calculate EE for < 15 min*	OTHER (X)
(PAC_2X × 4 × .3833 × 4) / 365	PAC_3X = 2	Calculate EE for 16 to 30 min*	OTHER (X)
(PAC_2X × 4 × .75 × 4) / 365	PAC_3X = 3	Calculate EE for 31 to 60 min*	OTHER (X)
(PAC_2X × 4 × 1 × 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 × 4 × .2167 × 5) / 365	PAC_3Z = 1	Calculate EE for < 15 min*	SOCCER
(PAC_2Z × 4 × .3833 × 5) / 365	PAC_3Z = 2	Calculate EE for 16 to 30 min*	SOCCER
(PAC_2Z × 4 × .75 × 5) / 365	PAC_3Z = 3	Calculate EE for 31 to 60 min*	SOCCER
(PAC_2Z × 4 × 1 × 5) / 365	PAC_3Z = 4	Calculate EE for > 60 min*	SOCCER

Specifications

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

2) Participant In Leisure Time Physical Activity

Variable name: PACFLEI

Based on: PAC_1V

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

Source: Ontario Health Survey

Internet site: www.chass.utoronto.ca/datalib/codebooks/utm/ohs/ohs90.htm

Specifications

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

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

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

Variable name: PACDFM

Based on: PAC_1V, PAC_2A, PAC_2B, PAC_2C, PAC_2D, PAC_2E, PAC_2F, PAC_2G, PAC_2H, PAC_2I, PAC_2J, PAC_2K, PAC_2L, PAC_2M, PAC_2N, PAC_2O, PAC_2P, PAC_2Q, PAC_2R, PAC_2S, PAC_2T, PAC_2Z, PAC_2U, PAC_2W, PAC_2X, PAC_3A, PAC_3B, PAC_3C, PAC_3D, PAC_3E, PAC_3F, PAC_3G, PAC_3H, PAC_3I, PAC_3J, PAC_3K, PAC_3L, PAC_3M, PAC_3N, PAC_3O, PAC_3P, PAC_3Q, PAC_3R, PAC_3S, PAC_3T, PAC_3Z, PAC_3U, PAC_3W, PAC_3X

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

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

Source: Ontario Health Survey

Internet site: www.chass.utoronto.ca/datalib/codebooks/utm/ohs/ohs90.htm

Temporary Reformat

Value	Condition(s)	Description	Notes
PACT2A			
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)	
PACT2B			
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)	
PACT2C			
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)	
PACT2D			
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)	
PACT2E			
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)	
PACT2F			

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)
PACT2G		
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)
PACT2H		
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)
PACT2I		
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)
PACT2J		
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)
PACT2K		
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)
PACT2L		
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)
PACT2M		
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)
PACT2N		
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)
PACT2O		
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)
PACT2P		

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)
PACT2Q		
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)
PACT2R		
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)
PACT2S		
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)
PACT2T		
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)
PACT2U		
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)
PACT2W		
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)
PACT2X		
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)
PACT2Z		
0	(PAC_3Z = 1, NA, DK, R, NS)	Set all values for PAC_2Z (number of times/3months respondents took part in physical activity) to 0 if PAC_3Z is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer question)

Specifications

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

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

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

Variable name: PACDFR

Based on: PACDFM

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

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

Specifications

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

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

Variable name: PACFD

Based on: PACDFM

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

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

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

6) Leisure Time Physical Activity Index

Variable name: PACDPAI

Based on: PACDEE

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

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

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

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

7) Transportation and Leisure Time Physical Activity Index

Variable name: PACDLTI

Based on: PACDTLE

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

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

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

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

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

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

Variable name: PACDTLE

Based on: PACDEE, PAC_Q7, PAC_Q7A, PAC_Q7B, PAC_Q8, PAC_Q8A, PAC_Q8B

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

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

Temporary Reformat

Value	Condition(s)	Description	Notes
PACDTEA			
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 × 4 × .2167 × 3) / 365	PAC_7B = 1	Calculate EE for < 15 min*	TRANSPORTATION - WALKING
(PAC_7A × 4 × .3833 × 3) / 365	PAC_7B = 2	Calculate EE for 16 to 30 min*	TRANSPORTATION - WALKING
(PAC_7A × 4 × .75 × 3) / 365	PAC_7B = 3	Calculate EE for 31 to 60 min*	TRANSPORTATION - WALKING
(PAC_7A × 4 × 1 × 3) / 365	PAC_7B = 4	Calculate EE for > 60 min*	TRANSPORTATION - WALKING
PACDTED			
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 × 4 × .2167 × 4) / 365	PAC_8B = 1	Calculate EE for < 15 min*	TRANSPORTATION - BICYCLING
(PAC_8A × 4 × .3833 × 4) / 365	PAC_8B = 2	Calculate EE for 16 to 30 min*	TRANSPORTATION - BICYCLING
(PAC_8A × 4 × .75 × 4) / 365	PAC_8B = 3	Calculate EE for 31 to 60 min*	TRANSPORTATION - BICYCLING
(PAC_8A × 4 × 1 × 4) / 365	PAC_8B = 4	Calculate EE for > 60 min*	TRANSPORTATION - BICYCLING

Specifications

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

99.9	(PACDEE = DK, R, NS) or (PAC_7B = DK, R, NS) or (PAC_8B = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS
0	(PACDEE = 0) and (PAC_7 = 2, 3) and (PAC_8 = 2, 3)	No transportation or leisure time physical activity	
PACDEE + PACDTEA + 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)

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.

Specifications

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

Restriction of activities (2 DVs)

1) Impact of Health Problems

Variable name: RACDIMP

Based on: RAC_2A, RAC_2B1, RAC_2B2, RAC_2C

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

Note: This variable should not be used to describe the rate of disability or activity limitation in the population. The questions used to derive this variable, plus RAC_1, were asked in the 2006 Census of Population to identify a sample for the 2006 post-censal Participation and Activity Limitation Survey (PALS).

Specifications

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

2) Participation and Activity Limitation

Variable name: RACDPAL

Based on: RAC_1, RAC_2A, RAC_2B1, RAC_2B2, RAC_2C

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

Note: This variable is the same as RACDIMP with the exception that RAC_1 is used in the calculation. This variable is a modification of the Participation and Activity Limitation Survey (PALS) derived variables. Whereas PALS treats non-response (DK, R) as a negative response (set to "Never"), CCHS treats them as non-response and the derived variable is set to not-stated.

Specifications

Value	Condition(s)	Description	Notes
9	(RAC_2A = DK, R, NS) or (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

Sample variables (2 DVs)

1) Permission to Share Data

Variable name: SAMDSHR

Based on: ADM_Q04B (Share question from the main component [not on file]), PS_Q01 (Share question from the Exit component [not on file]).

Description: This variable indicates whether or not the respondent agreed to share the information collected in the survey with the provincial and territorial ministries of health, Health Canada, the Public Health Agency of Canada, and the "Institut de la Statistique du Québec" for Quebec respondents, as stated in ADM_Q04B and PS_Q01. The variable SAMDSHR is calculated from the responses to the Share questions in the main component (ADM_Q04B) and to the Exit component (PS_Q01).

Specifications

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

2) Permission to Link

Variable name: SAMDLNK

Based on: ADM_Q01B (Link question from main component [not on file])

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

Specifications

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

Socio-demographic characteristics (10 DVs)

1) Country of birth code

Variable name: SDCCCB

Based on: SDC_1, SDC_1S

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

Note: Coded automatically from SDC_1 and SDC_1S ("other specify" write-in answer) using Reference file from the Census.

2) Country of birth - grouped

Variable name: SDCGCB

Based on: SDCCCB

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

Specifications

Value	Condition(s)	Description	Notes
99	(SDCCCB = 000, 995, DK, R, NS, Missing)	Required question was not answered (don't know, refusal, not stated)	NS
1	(0 < SDCCCB < 14)	Canada	
2	(100 <= SDCCCB < 200) or 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) Language(s) spoken at home

Variable name: SDCDLHM

Based on: SDC_5AA, SDC_5AB, SDC_5AC, SDC_5AD, SDC_5AE, SDC_5AF, SDC_5AG, SDC_5AH, SDC_5AI, SDC_5AJ, SDC_5AK, SDC_5AL, SDC_5AM, SDC_5AN, SDC_5AO, SDC_5AP, SDC_5AQ, SDC_5AR, SDC_5AS, SDC_5AT, SDC_5AU, SDC_5AV, SDC_5AW

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

Note: Prior to 2007, SDC_Q5 was a mark one question. Multiple answers are now allowed.

Specifications

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

		refusal, not stated)
1	SDC_5AA = 1 and 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)
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)

4) 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.

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)]

5) Immigration flag

Variable name: SDCFIMM

Based on: SDC_3

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

Specifications

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

6) Length of time in Canada since immigration

Variable name: SDCDRES

Based on: SDC_3, ADM_YOI

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

Note: Non-immigrants were excluded from the population.

Specifications

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

7) Language(s) in which respondent can converse

Variable name: SDCDLNG

Based on: SDC_5A, SDC_5B, SDC_5C, SDC_5D, SDC_5E, SDC_5F, SDC_5G, SDC_5H, SDC_5I, SDC_5J, SDC_5K, SDC_5L, SDC_5M, SDC_5N, SDC_5O, SDC_5P, SDC_5Q, SDC_5R, SDC_5S, SDC_5T, SDC_5U, SDC_5V, SDC_5W

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

Specifications

Value	Condition(s)	Description	Notes
99	(SDC_5A =DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
1	SDC_5A = 1 and 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)

8) First official language learned and still understood

Variable name: SDCDFL1

Based on: SDC_6A, SDC_6B, SDC_6C, SDC_6D, SDC_6E, SDC_6F, SDC_6G, SDC_5H, SDC_6I, SDC_6J, SDC_6K, SDC_6L, SDC_6M, SDC_6N, SDC_6O, SDC_6P, SDC_6Q, SDC_6R, SDC_6S, SDC_6T, SDC_6U, SDC_6V, SDC_6W

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

Specifications

Value	Condition(s)	Description	Notes
99	(SDC_6A = DK, R, NS)	Required question was not answered (don't know, refusal, not stated)	NS
1	SDC_6A = 1 and 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)

9) Aboriginal Identity

Variable name: SDCDABT

Based on: SDC_41

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

Note: Prior to June 2005 (middle of Cycle 3.1), respondents were able to report aboriginal background in combination with other cultural or racial backgrounds. All Aboriginal respondents were assigned a value of 1 for that variable regardless of whether they reported aboriginal background singly or in combination with non-aboriginal background. Since June 2005, respondents identifying themselves as Aboriginal are not asked SDC_Q43A to SDC_Q43M, which collect information on other backgrounds. This change was introduced in order to align with the procedures used in the 2006 Census.

Specifications

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

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

10) Cultural / Racial Background

Variable name: SDCDCGT

Based on: SDC_43A, SDC_43B, SDC_43C, SDC_43D, SDC_43E, SDC_43F, SDC_43G, SDC_43H, SDC_43I, SDC_43J, SDC_43K, SDC_43L, SDC_43M

Description: This variable indicates the cultural or racial background of the respondent. Since the middle of cycle 3.1, this variables excludes all respondents who identify as aboriginal in SDC_41. (The exclusion of aboriginals from this variable was introduced in the middle of cycle 3.1 to align with Census 2006 procedures).

Note: Prior to June 2005, the derived variable included the categories "multiple cultural or racial origins" and "aboriginal only". Respondents who reported Aboriginal origin in combination with any other origin were classified as "multiple cultural or racial origins" and respondents who reported Aboriginal origin but no other origin were classified as "Aboriginal only" for the derived variable. Beginning in June 2005, respondents who identified themselves as aboriginal (SDC_41=1) were not asked about their cultural or racial background. This change was introduced in order to align with the procedures used in the 2006 Census.

Specifications

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

Smoking (3 DVs)

1) Type of Smoker

Variable name: SMKDSTY

Based on: SMK_01A, SMK_01B, SMK_202, SMK_05D

Description: This variable indicates the type of smoker the respondent is, based on his/her smoking habits.

Note: This variable includes lifetime cigarette consumption.

Specifications

Value	Condition(s)	Description	Notes
1	SMK_202 = 1	Daily smoker	
2	SMK_202 = 2 and SMK_05D = 1	Occasional smoker (former daily smoker)	
3	SMK_202 = 2 and (SMK_05D = 2, NA)	Occasional smoker (never a daily smoker or has smoked less than 100 cigarettes lifetime)	
4	SMK_202 = 3 and SMK_05D = 1	Former daily smoker (non-smoker now)	
5	SMK_202 = 3 and [SMK_05D = 2 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.

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 (SMK_202 = 3 and SMK_01A = 2 and SMK_01B = 1)	Population exclusions	NA

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.

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)

Use of protective equipment (3 DVs)

1) Wears Protective Equipment when In-Line Skating

Variable name: UPEFILS

Based on: UPE_02, UPE_02A, UPE_02B, UPE_02C, UPE_02D

Description: This variable indicates whether the respondent wears a helmet, wrist guards or elbow pads always or most of the time when in-line skating.

Note: Respondents that do not in-line skate were excluded from the population.

Specifications

Value	Condition(s)	Description	Notes
6	DOUPE = 2	Module not selected	NA
9	ADM_PRX = 1	Module not asked - proxy interview	NS
6	UPE_02 = 2	Population exclusions	NA
1	(UPE_02A = 1, 2) and (UPE_02B = 1, 2) and (UPE_02C = 1, 2) and (UPE_02D = 1, 2)	Wears a helmet, wrist guards, elbow pads and knee pads always or most of the time	
2	(UPE_02A = 3, 4) or (UPE_02B = 3, 4) or (UPE_02C = 3, 4) or (UPE_02D = 3, 4)	Does not wear a helmet, wrist guards, elbow pads or knee pads always or most of the time	
9	(UPE_02A = DK, R, NS) or (UPE_02B = DK, R, NS) or (UPE_02C = DK, R, NS) or (UPE_02D = DK, R, NS) or (PAC_1I = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS

2) Wears Protective Equipment when Skateboarding

Variable name: UPEFSKB

Based on: UPE_06A, UPE_06B, UPE_06C

Description: This variable indicates whether respondents aged 12 to 19 years old wear a helmet, wrist guards or elbow pads always or most of the time when skateboarding.

Note: Respondents more than 19 years old and respondents that have not skateboarded in the past 12 months were excluded from the population.

Specifications

Value	Condition(s)	Description	Notes
6	DOUPE = 2	Module not selected	NA
9	ADM_PRX = 1 and 12 <= DHH_AGE <= 19	Module not asked - proxy interview	NS
6	DHH_AGE > 19 or UPE_06 = 2	Population exclusions	NA
1	(UPE_06A = 1, 2) and (UPE_06B = 1, 2) and (UPE_06C = 1, 2)	Wears a helmet, wrist guards and elbow pads always or most of the time	

2	(UPE_06A = 3, 4) or (UPE_06B = 3, 4) or (UPE_06C = 3, 4)	Does not wear a helmet, wrist guards or elbow pads always or most of the time	
9	(UPE_06A = DK, R, NS) or (UPE_06B = DK, R, NS) or (UPE_06C = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS

3) Wears Protective Equipment when Snowboarding

Variable name: UPEFSNB

Based on: UPE_05A, UPE_05B

Description: This variable indicates whether the respondent wears a helmet or wrist guards always or most of the time when snowboarding.

Note: Respondents that have not snowboarded in past 12 months were excluded from the population.

Specifications

Value	Condition(s)	Description	Notes
6	DOUPE = 2	Module not selected	NA
9	ADM_PRX = 1	Module not asked - proxy interview	NS
6	(UPE_03A = 1) or (UPE_03B = 1, 4)	Population exclusions	NA
1	(UPE_05A = 1, 2) and (UPE_05B = 1, 2)	Wears a helmet and wrist guards always or most of the time	
2	(UPE_05A = 3, 4) or (UPE_05B = 3, 4)	Does not wear a helmet or wrist guards always or most of the time	
9	(UPE_05A = DK, R, NS) or (UPE_05B = DK, R, NS)	At least one required question was not answered (don't know, refusal, not stated)	NS

Waiting times (9 DVs)

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

Variable name: 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.

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	

2) 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.

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	

3) 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.

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	

4) Number of Waiting Days to Receive Non-Emergency 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.

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	

5) Number of Waiting Days to Receive Non-Emergency 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.

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 WTMZ_17 = 1	Population exclusions	NA
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	

6) Number of Acceptable Waiting Days to Receive Non-Emergency 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.

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) or (WTMZ_25A < 996 and WTMZ_25B = 9)	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	

7) 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.

Note: For this variable, the number of waiting days was only considered for respondents of 15 years and older who received a MRI or a CT-SCAN exam, or a non-emergency heart test during the past 12 months.

Specifications

Value	Condition(s)	Description	Notes
9996	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	

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.

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	Population exclusions	NA

	ACCZ_30 = 2 or WTMZ_32 = 1		
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 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.

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	