

**Canadian Community Health Survey (CCHS)  
Cycle 1.2**

**Derived Variable (DV) Specifications**



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## Geographic Variables (9 DVs)

### 1) Postal Code

**Variable name:** GEOB\_PC

**Based on:** Respondent address information

**Previous Usage:**

CCHS Cycle 1.1: GEOA\_PC

NPHS Cycle 4: SP30DPC

NPHS Cycle 3: SP38DPC

NPHS Cycle 2: SP36DPC

NPHS Cycle 1: SP34DPC

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

**Technical Specs:** GEOB\_PC is derived from the respondent available address information.

### 2) Enumeration Area (EA)

**Variable name:** GEOBDEA

**Based on:** GEOB\_PC

**Previous Usage:**

CCHS Cycle 1.1: GEOADEA

**Description:** An enumeration area (EA) is the geographic area canvassed by one census representative. It is the smallest standard geographic area for which census data are reported. All the territory of Canada is covered by EAs. For CCHS cycle 1.2, EAs are based on the 1996 Census definition.

**Technical Specs:** GEOB\_PC for each respondent is used to derive from the PCCF (see note) the associated EA using the "most probable EA approach". All other postal code links to geographic areas are derived through the EA.

**Note:** Geography division produces a Postal Code Conversion File (PCCF), containing every single postal code in the country. For each postal code, geographic information such as EA and CSD, are provided.

### 3) Health Region

**Variable name:** GEOB\_HR4

**Based on:** Sampling frame information

**Previous Usage:** None

**Description:** This variable is a 4-digit number that identifies the health region. For cycle 1.2, it represents the province except for Ontario and Nova-Scotia. Those two provinces have bought extra sample in order to get reliable estimates for sub-provincial areas. Ontario is divided in seven health regions and Nova-Scotia is divided in six health regions.

**Technical Specs:** GEOB\_HR4 is defined from the information available on the survey frame at the time of sampling.

## 4) Federal Electoral Districts (FED)

**Variable name:** GEOBDFED

**Based on:** GEOBDEA

**Previous Usage:**

CCHS Cycle 1.1: GEOADFED

NPHS Cycle 4: GE30DFED

NPHS Cycle 3: GE38DFED

NPHS Cycle 2: GE36DFED

NPHS Cycle 1: GE34DFED

**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 301 FEDS in Canada according to the 1996 Representation Order.

**Technical Specs:** GEOBDEA is used to derive GEOBDFED from the PCCF.

## 5) Census Division (CD)

**Variable name:** GEOBDCD

**Based on:** GEOB\_PC

**Previous Usage:**

CCHS Cycle 1.1: GEOADCD

NPHS Cycle 4: GE30DCD

NPHS Cycle 3: GE38DCD

NPHS Cycle 2: GE36DCD

NPHS Cycle 1: GE34DCD

**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, 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. For CCHS cycle 1.2, CDs are based on the 1996 Census definition.

**Technical Specs:** GEOBDEA is used to derive GEOBDCD from the PCCF.

## 6) Census Subdivision (CSD)

**Variable name:** GEOBDCSD

**Based on:** GEOB\_PC

**Previous Usage:**

CCHS Cycle 1.1: GEOADCSD

NPHS Cycle 4: GE30DCSD

NPHS Cycle 3: GE38DCSD

NPHS Cycle 2: GE36DCSD

NPHS Cycle 1: GE34DCSD

**Description:** The Census Subdivision (CSD) is the general term applying to municipalities (as determined by provincial legislation) or their equivalent, e.g., Indian reserves, Indian settlements and unorganized territories. In Newfoundland, Nova Scotia and British Columbia, the term also describes geographic areas that have been created by Statistics Canada in co-operation with the provinces as equivalents for municipalities. For CCHS cycle 1.2, CSD's are based on the 1996 Census definition.

**Technical Specs:** GEOBDEA is used to derive GEOBDCSD from the PCCF.

## 7) Census Metropolitan Area (CMA)

**Variable name:** GEOBDCMA

**Based on:** GEOB\_PC

**Previous Usage:**

CCHS Cycle 1.1: GEOADCMA

NPHS Cycle 4: GE30DCMA

NPHS Cycle 3: GE38DCMA

NPHS Cycle 2: GE36DCMA

NPHS Cycle 1: GE34DCMA

**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 25 CMAs according to the 1996 Census definition (see data dictionary for a definition of each code).

**Technical Specs:** GEOBDEA is used to derive GEOBDCMA from the PCCF.

## 8) Rural and Urban

**Variable name:** GEOBDUR5

**Based on:** GEOB\_PC

**Previous Usage:**

CCHS Cycle 1.1: GEOADUR5

**Description:** This field permits the identification of "urban" areas, or indicates that the EA is in a 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 the previous census. To be considered as continuous, the built-up area must not have a discontinuity exceeding two kilometres.

**Technical Specs:** GEOBDEA is used to derive GEOBDUR5 from the PCCF.

## 9) Rural and Urban Grouped

**Variable name:** GEOBDUR2

**Based on:** GEOBDUR5

**Previous Usage:**

CCHS Cycle 1.1: GEOADUR2

NPHS Cycle 4: GE30DURB

NPHS Cycle 3: GE38DURB

NPHS Cycle 2: GE36DURB

NPHS Cycle 1: GE34DURB

**Description:** This variable is a grouping of GEOBDUR5 into two categories. This definition of urban/rural may not correspond to the areas that Canada Post identifies as urban or rural postal codes.

Value of GEOBDUR2	Condition(s)	Explanation
1	(GEOBDUR5 = 1, 2, 4)	Urban
2	(GEOBDUR5 = 3, 5)	Rural

## Sample Variables (2 DVs)

### 1) Permission to Share

**Variable name:** SAMBDSHR

**Based on:** ADM\_Q04A, PS\_Q01

**Previous Usage:**

CCHS Cycle 1.1: SAMADSHR

**Description:** This variable indicates whether or not the respondent agreed to share the information collected in the survey with the provincial ministries of health, Health Canada and the "Institut de la Statistique du Québec" for Quebec respondents, as stated in ADM\_Q04A and PS\_Q01.

The variable SAMBDSHR is calculated from the responses to the Share questions in the main questionnaire (ADM\_Q04A) and to the Exit questionnaire (PS\_Q01).

Value of SAMBDSHR	Condition(s)	Explanation
1	(ADM_Q04A = 1 and PS_Q01 <> 2) or (ADM_Q04A <> 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:** SAMBDLNK

**Based on:** ADM\_Q01B (Link question from main C2 questionnaire)

**Previous Usage:**

CCHS Cycle 1.1: SAMADLNK

**Description:** This variable indicates whether or not the respondent agreed to link information collected during the survey, which includes linking to past and continuing use of health services, as stated in ADM\_Q01A and ADM\_Q01B of the questionnaire.

Value of SAMBDLNK	Condition(s)	Explanation
1	ADM_Q01B = 1	Respondent agreed to link information
2	Else	Respondent did not agree to link information



## Administration (1 DV)

### 1) Interview by Telephone or in Person

**Variable name:** ADMBDN09

**Based on:** CASE EVENT file

**Previous Usage:**

CCHS Cycle 1.1: ADMA\_N09 (Collected variable).

**Description:** This variable describes the format in which the interview was conducted (telephone or in person). The question: "Was this interview conducted on the telephone or in person?" was not asked in Cycle 1.2 as telephone interviews were initially not permitted. This restriction was later removed and an attempt to approximate the collected variable was made.

The variable ADMBDN09 is calculated using the CASE EVENT file. This file has, for each contact with a selected dwelling, one record that contains the method (telephone or personal) and a start and end timer for that contact. The record with the longest duration is assumed to be the contact containing all or a significant portion of the health component interview. The derived variable ADMBDN09 is assigned the method of this contact.

Value of ADMBDN09	Condition	Description
1	Longest contact was by phone	On telephone
2	Longest contact was in person	In person
NS	No associated CASE EVENT record	Not stated

## Dwelling and Household Record Variables (7 DVs)

### 1) Dwelling Type

**Variable name:** DHHBDDWE

**Based on:** DW\_Q01, DW\_N02

**Previous Usage:** CCHS Cycle 1.1: DHHADDWE

**Description:** This variable refers to the type of dwelling the respondent lives in.

Value of DHHBDDWE	Condition(s)	Explanation
NS	(DW_Q01 = DK, R, NS) or (DW_N02 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
DW_Q01	(DW_Q01 < NA) and (DW_N02 = NA)	Response from telephone interview.
DW_N02	(DW_Q01 = NA) and (DW_N02 < NA)	Response from personal interview.

### 2) Household Size

**Variable name:** DHHBDHSZ

**Based on:** SAMPLEID, PERSONID

**Previous Usage:**

CCHS Cycle 1.1: DHHADHSZ

NPHS Cycle 4: DHC0DHSZ

NPHS Cycle 3: DHC8DHSZ

NPHS Cycle 2: DHC6DHSZ

NPHS Cycle 1: DHC4DHSZ

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

**Technical Specifications:** Sort the household roster dataset by SAMPLEID and PERSONID. Return a count of the number of PERSONID's within each SAMPLEID.

Value of DHHBDHSZ	Condition(s)	Explanation
Count the number of PERSONID's with each SAMPLEID.  (min: 1; max: 40)	Sort the file (Member file) by SAMPLEID and PERSONID	The number of persons in a household.

### 3) Number of Persons in Household with Age < 12

**Variable name:** DHHBDL12

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

**Previous Usage:**

CCHS Cycle 1.1: DHHADL12

NPHS Cycle 4: DHC0DL12

NPHS Cycle 3: DHC8DL12

NPHS Cycle 2: DHC6DL12

NPHS Cycle 1: DHC4DL12

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

**Technical Specifications:** Sort the household roster dataset by SAMPLEID and PERSONID. Return a count of the number of PERSONID's that have a DHHB\_AGE value less than 12 within each SAMPLEID.

Value of DHHBDL12	Condition(s)	Explanation
Count the number of PERSONID's with each SAMPLEID  (min: 0; max: 40)	DHHB_AGE < 12  (Member file)	Number of persons under 12 in a household

### 4) Number of Persons in Household with Age <= 5

**Variable name:** DHHBDLE5

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

**Previous Usage:**

CCHS Cycle 1.1: DHHADLE5

NPHS Cycle 4: DHC0DLE5

NPHS Cycle 3: DHC8DLE5

NPHS Cycle 2: DHC6DLE5

NPHS Cycle 1: DHC4DLE5

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

**Technical Specifications:** Sort the household roster dataset by SAMPLEID and PERSONID. Return a count of the number of PERSONID's that have a DHHB\_AGE value of 5 and under within each SAMPLEID.

Value of DHHBDLE5	Condition(s)	Explanation
Count the number of PERSONID's with each SAMPLEID  (min: 0; max: 40)	DHHB_AGE <= 5  (Member file)	Number of persons under 5 in a household

## 5) Number of Persons in Household with age 6 to 11

**Variable name:** DHHBD611

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

**Previous Usage:**

CCHS Cycle 1.1: DHHAD611

NPHS Cycle 4: DHC0D611

NPHS Cycle 3: DHC8D611

NPHS Cycle 2: DHC6D611

NPHS Cycle 1: DHC4D611

**Description:** This variable returns the number of people living within a household whose age is between 6 and 11 years old.

**Technical Specifications:** Sort the household roster dataset by SAMPLEID and PERSONID. Return a count of the number of PERSONID's that have a DHHB\_AGE value from 6 to 11 within each SAMPLEID.

Value of DHHBD611	Condition(s)	Explanation
Count the number of PERSONID's with each SAMPLEID  (min: 0; max: 40)	6 <= DHHB_AGE <= 11  (Member file)	Number of persons 6 to 11 in a household

## 6) Economic Family Status (Household Type)

**Variable name:** DHHBDECF

**Based on:** RE\_REL for all PERSONID in SAMPLEID, DHHB\_AGE, DHHB\_SEX, DHHBDHSZ

**Previous Usage:**

CCHS Cycle 1.1: DHHADECF

NPHS Cycle 4: DHC0DECF

NPHS Cycle 3: DHC8DECF

NPHS Cycle 2: DHC6DECF

NPHS Cycle 1: DHC4DECF

**Description:** This variable that describes the family relationships within the household 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 the calculation of 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.

### Temporary Reformats

Reformat	Explanation
RELATIONSHIP CODESDVECF94 RELATIONSHIP CODES: (*as on the relationship file)	Relationship Codes used.
CODES            CATEGORY A0                Husband/Wife B0                Common Law Partner C0                Same-sex Partner D1                Birth Father/Mother D2                Step Father/Mother D3                Adoptive Father/Mother E1                Birth Child E2                Step Child E3                Adopted Child F1                Full Sister/Brother F2                Half Sister/Brother F3                Step Sister/Brother	

F4	Adopted Sister/Brother	
F5	Foster Sister/Brother	
G0	Foster Parent	
H0	Foster Child	
I0	Grandparent	
J0	Grandchild	
K0	In-Law	
L0	Other Related	
Y1	Single	
Z0	Unrelated	
A=(Parental)	D1, D2, D3	
L=(Other)	F1, F2, F3, F4, F5*, G0*, H0*, I0, J0, K0, L0, Z0	Temporary recodes to collapse relationships.
M=(Child)	E1, E2, E3 (sorted by age)	
X=(Spouse)	A0, B0, C0	
Y=(Single)	Y1	
Z=(not stated)	NS	

\* All Foster relationships (foster sister/brother, parent, or child) have been recoded into the Other relationship category due to the temporary nature of the relationships.

Value of DHHBDEC	Condition(s)	Explanation
NS	Any RE_REL = Z	Not stated
1	DHHBDHSZ = 1	Unattached individual  Unattached individual living alone. Household size = 1.
2	All RE_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 allowed.
3	DHHBDHSZ = 2 and RE_REL for both PERSONID in SAMPLEID = X	Couple alone  Married or common-law with no dependent children. No other relationships are permitted. Household size = 2.
4	DHHBDHSZ > 2 and at least 2 PERSONID in SAMPLEID must have an RE_REL = X and RE_REL for all PERSONID in SAMPLEID <> A and M	Couple with no dependent children, others  Married or common-law with no dependent children. There can be no parent/child relationships. Other relationships are permitted.
5	DHHBDHSZ > 2 and at least 2 PERSONID in SAMPLEID must have an RE_REL = X and at least one of which must have an RE_REL = A. All others PERSONID in SAMPLEID must have RE_REL = M and of these at least one is DHHB_AGE < 25	Couple with children < 25  Married or common-law couple with at least one partner being the parent of the dependent child. No other relationships are allowed.

6	At least 2 PERSONID in SAMPLEID must have an RE_REL = X and at least one of which must have an RE_REL = A. At least one other PERSONID in SAMPLEID must have RE_REL = M with the above PERSONID and of these at least one is DHHB_AGE < 25	Couple with children < 25, others  At least one partner must be the parent of one child < 25 years old in the household. Other relationships are allowed.
7	DHBDHSZ > 2 and at least 2 PERSONID in SAMPLEID must have an RE_REL = X and at least one of which must have an RE_REL = A. All others PERSONID in SAMPLEID must have RE_REL = M and of these DHHB_AGE >= 25	Couple with all children >= 25  Married or common-law couple with all children >= 25 years old. No other relationships are permitted.
8	DHBDHSZ > 2 and at least 2 PERSONID in SAMPLEID must have an RE_REL = X and at least one of which must have an RE_REL = A. At least one other PERSONID in SAMPLEID must have RE_REL = M with the above PERSONID and of these DHHB_AGE >= 25	Couple with all children >= 25, others  Married or common-law couple with all children >= 25 years old. Any other relationships are allowed.
9	DHBDHSZ > 1 and one PERSONID in SAMPLEID must have RE_REL = A and DHHB_SEX = F. All others PERSONID in SAMPLEID must have RE_REL = M and of these at least one DHHB_AGE < 25	Female lone parent with children < 25  One child must be < 25 years old. No other relationships are permitted.
10	DHBDHSZ > 1 and one PERSONID in SAMPLEID must have RE_REL = A and DHHB_SEX = F. At least one other PERSONID in SAMPLEID must have RE_REL = M with the above PERSONID and of these at least one DHHB_AGE < 25.	Female lone parent with children < 25, others  One child must be < 25 years old. Other relationships are allowed.
11	DHBDHSZ > 1 and one PERSONID in SAMPLEID must have RE_REL = A and DHHB_SEX = F. All others PERSONID in SAMPLEID must have RE_REL = M and of these DHHB_AGE >= 25	Female lone parent with all children >= 25  All children must be >= 25 years old. No other relationships are permitted.

12	DHBDHSZ > 1 and one PERSONID in SAMPLEID must have RE_REL = A and DHHB_SEX = F. At least one other PERSONID in SAMPLEID must have RE_REL = M with the above PERSONID and of these DHHB_AGE >= 25.	Female lone parent with all children >= 25, others  All children must be >= 25 years old. Other relationships are allowed.
13	DHBDHSZ > 1 and one PERSONID in SAMPLEID must have RE_REL = A and DHHB_SEX = M. All others PERSONID in SAMPLEID must have RE_REL = M and of these at least one DHHB_AGE < 25	Male lone parent with children < 25  One child must be < 25 years old. No other relationships are permitted.
14	DHBDHSZ > 1 and one PERSONID in SAMPLEID must have RE_REL = A and DHHB_SEX = M. At least one other PERSONID in SAMPLEID must have RE_REL = M with the above PERSONID and of these at least one DHHB_AGE < 25.	Male lone parent with children < 25, others  One child must be < 25 years old. Other relationships are allowed.
15	DHBDHSZ > 1 and one PERSONID in SAMPLEID must have RE_REL = A and DHHB_SEX = M. All others PERSONID in SAMPLEID must have RE_REL = M and of these DHHB_AGE >= 25	Male lone parent with all children >= 25  All children must be >= 25 years old. No other relationships are permitted.
16	DHBDHSZ > 1 and one PERSONID in SAMPLEID must have RE_REL = A and DHHB_SEX = M. At least one other PERSONID in SAMPLEID must have RE_REL = M with the above PERSONID and of these DHHB_AGE >= 25.	Male lone parent with all children >= 25, others  All children must be >= 25 years old. Other relationships are allowed.
17	Else	Other family type  All other household types.

## 7) Living/Family Arrangement of Selected Respondent

**Variable name:** DHHBDLVG

**Based on:** RE\_REL of selected respondent only

**Previous Usage:**

CCHS Cycle 1.1: DHHADLVG

NPHS Cycle 4: DHC0DLVG

NPHS Cycle 3: DHC8DLVG

NPHS Cycle 2: DHC6DLVG

NPHS Cycle 1: DHC4DLVG

**Description:** This variable that describes the family relationships between the selected respondent and the rest of the household 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 the calculation of this variable.

### Temporary Reformats

Reformat		Explanation
RELATIONSHIP CODESDVECF94 RELATIONSHIP CODES: (*as on the relationship file)		Relationship Codes used
CODES	CATEGORY	
A0	Husband/Wife	
B0	Common Law Partner	
C0	Same-sex Partner	
D1	Birth Father/Mother	
D2	Step Father/Mother	
D3	Adoptive Father/Mother	
E1	Birth Child	
E2	Step Child	
E3	Adopted Child	
F1	Full Sister/Brother	
F2	Half Sister/Brother	
F3	Step Sister/Brother	
F4	Adopted Sister/Brother	
F5	Foster Sister/Brother	
G0	Foster Parent	
H0	Foster Child	
I0	Grandparent	
J0	Grandchild	
K0	In-Law	
L0	Other Related	
Y1	Single	
Z0	Unrelated	
A1=(Parental) D1, D2, D3 B1=(Child) E1, E2, E3 C1=(Sibling) F1, F2, F3, F4 K1=(Other relative) I0, J0, K0, L0 L1=(Non relative) F5*, G0*, H0*, Z0 X1=(Spouse/Partner) A0, B0, C0 Z1=(Not stated) NS		Temporary recodes to collapse relationships

\* All Foster relationships (foster sister/brother, parent, or child) have been recoded into the Non relative relationship category due to the temporary nature of the relationships.



Value of DHHBDLVG	Condition(s)	Explanation
NS	Any RE_REL = Z1	Not stated
1	DHHBDHSZ = 1	Unattached individual living alone  Selected respondent lives alone. Household size = 1.
2	All RE_REL <> X1 and A1	Unattached individual living with others  Selected respondent lives with others. He/she cannot have a marital/common-law or parental relationship but other relationships such as siblings are allowed.
3	DHHBDHSZ = 2, and RE_REL = X1	Spouse/partner living with spouse/partner  Selected respondent lives with spouse/partner only. Household size = 2.
4	DHHBDHSZ > 2 and one RE_REL = X1 and all other RE_REL = A1	Parent living with spouse/partner and children  Selected respondent lives with spouse/partner and child(ren).
5	All RE_REL = A1	Single parent living with children  Selected respondent lives with child(ren). No other relationships are permitted.
6	DHHBDHSZ = 2 and RE_REL = B1	Child living with single parent  Selected respondent is a child living with a single parent. Household size = 2.
7	DHHBDHSZ > 2 and one RE_REL = B1 and all other RE_REL = C1	Child living with single parent and siblings  Selected respondent is a child living with a single parent and siblings.
8	DHHBDHSZ = 3 and all RE_REL = B1	Child living with two parents  Selected respondent is a child living with two parents. Household size = 3.
9	DHHBDHSZ > 3 and two RE_REL = B1 and all other RE_REL = C1	Child living with two parents and siblings  Selected respondent is a child living with two parents and siblings.
10	Else	Other  Selected respondent lives in a household composition not classified above.

## Education Variables (4 DVs)

### 1) Highest Level of Education – Respondent, 10 Levels

**Variable name:** EDUBDR10

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

**Previous Usage:**

CCHS Cycle 1.1: EDUADR10

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

Value of EDUBDR10	Condition(s)	Explanation
1	EDUB_1 = 1 and EDUB_3 = 2	Grade 8 or lower (Québec: Secondary II or lower)
2	EDUB_1 = 2 and EDUB_3 = 2	Grade 9-10 (QC: Secondary III or IV; NF: 1st year of secondary)
3	EDUB_1 = 3 and EDUB_2 = 2 and EDUB_3 = 2	Grade 11-13 (QC: Secondary V; NF: 2nd to 4th year of secondary)
4	EDUB_2 = 1 and EDUB_3 = 2	Secondary school graduate, no post-secondary education
5	EDUB_4 = 1	Some post secondary education
6	EDUB_4 = 2	Trade certificate or diploma from a vocational school or apprenticeship training
7	EDUB_4 = 3	Non-university certificate or diploma from a community college, CEGEP, school of nursing, etc.
8	EDUB_4 = 4	University certificate below bachelor's level
9	EDUB_4 = 5	Bachelor's degree
10	EDUB_4 = 6	University degree or certificate above bachelor's degree
NS	[(EDUB_1 = DK, R, NS) and EDUB_2 = 2] or (EDUB_2 = DK, R, NS) or (EDUB_3 = DK, R, NS) or (EDUB_4 = DK, R, NS)	Respondent didn't answer (don't know, refusal, not stated) at least one question required for calculation.

## 2) Highest Level of Education – Respondent, 4 Levels

**Variable name:** EDUBDR04

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

**Previous Usage:**

CCHS Cycle 1.1: EDUADR04

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

Value of EDUBDR04	Condition(s)	Explanation
1	[(EDUB_1 = 1, 2) or EDUB_2 = 2] and EDUB_3 = 2	Less than secondary school graduation
2	EDUB_2 = 1 and EDUB_3 = 2	Secondary school graduation, no post-secondary education
3	EDUB_4 = 1	Some post-secondary education
4	2 <= EDUB_4 <= 6	Post-secondary degree/diploma
NS	(EDUB_2 = DK, R, NS) or (EDUB_3 = DK, R, NS) or (EDUB_4 = DK, R, NS)	Respondent didn't answer (don't know, refusal, not stated) at least one question required for calculation.

## 3) Highest Level of Education – Household, 10 Levels

**Variable name:** EDUBDH10

**Based on:** EDUBDR10 for each member of the household

**Previous Usage:**

CCHS Cycle 1.1: EDUADH10

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

**Technical Specs:** Temporarily create EDUBDR10 for each member of the household (all PERSONID within SAMPLEID). Compare these values of EDUBDR10 within the household and return the highest value. If any PERSONID has EDUBDR10 of NS (not specified) then return NS. If all of EDUBDR10 are NA (not applicable) then return NA.

## 4) Highest Level of Education – Household, 4 Levels

**Variable name:** EDUBDH04

**Based on:** EDUBDR04 for each member of the household

**Previous Usage:**

CCHS Cycle 1.1: EDUADH04

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

**Technical Specs:** Temporarily create EDUBDR04 for each member of the household (all PERSONID within SAMPLEID). Compare these values of EDUBDR04 within the household and return the highest value. If any PERSONID has EDUBDR04 of NS (not specified) then return NS. If all of EDUBDR04 are NA (not applicable) then return NA.

## General Health (1 DV)

### 1) Self-rated health (formerly Health Description Index)

**Variable name:** GENBDHDI

**Based on:** GENB\_01

**Previous Usage:**

CCHS Cycle 1.1: GENADHDI

NPHS Cycle 4: GHC0DHDI

NPHS Cycle 3: GHC8DHDI

NPHS Cycle 2: GHC6DHDI

NPHS Cycle 1: GHC4DHDI

**Description:** This variable describes the respondent's health status based on his or her own judgement. Higher scores indicate positive self-reported health status.

Value of GENBDHDI	Condition(s)	Explanation
NS	GENB_01 > 6	Unknown
0	GENB_01 = 5	Poor
1	GENB_01 = 4	Fair
2	GENB_01 = 3	Good
3	GENB_01 = 2	Very good
4	GENB_01 = 1	Excellent

## Disorder Screening (9 DVs)

The survey assesses five mental disorders: Major Depressive Episode, Manic Episode, Social Phobia, Panic Disorder and Agoraphobia. To reduce respondent burden, the disorder modules are preceded by a screening section with screener questions associated with each disorder. Negative responses to the screening questions were used to exclude respondents from being asked the full roster of questions associated with that disorder. These respondents who are excluded from the disorder module based on their answers to the screening questions are subsequently categorized as failing to meet the criteria for that disorder. The variables created here are flags that indicate whether a respondent was screened into each mental health disorder module. In addition to the screener questions, there are several questions that assess the respondent's overall health and satisfaction with life.

### 1) Life Satisfaction

**Variable name:** SCRBDSAT

**Based on:** SCRB\_01

**Previous usage:** None

**Description:** This variable describes the respondent's satisfaction with life in general. Higher scores indicate more satisfaction.

Value of SCRBDSAT	Condition(s)	Explanation
1	SCRB_01 = 5	Very dissatisfied
2	SCRB_01 = 4	Dissatisfied
3	SCRB_01 = 3	Neither satisfied nor dissatisfied
4	SCRB_01 = 2	Satisfied
5	SCRB_01 = 1	Very satisfied
NS	(SCRB_01 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

### 2) Self-rated physical health

**Variable name:** SCRBDPHY

**Based on:** SCRB\_081

**Previous usage:** None

**Description:** This variable describes the respondent's self-rated physical health. Higher scores indicate better health.

Value of SCRBDPHY	Condition(s)	Explanation
0	SCRB_081 = 5	Poor
1	SCRB_081 = 4	Fair
2	SCRB_081 = 3	Good
3	SCRB_081 = 2	Very Good
4	SCRB_081 = 1	Excellent
NS	(SCRB_081 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

### 3) Self-rated mental health

**Variable name:** SCRBDMEN

**Based on:** SCRB\_082

**Previous usage:** None

**Description:** This variable describes the respondent's self-rated mental health. Higher scores indicate better health.

Value of SCRBDMEN	Condition(s)	Explanation
0	SCRB_082 = 5	Poor
1	SCRB_082 = 4	Fair
2	SCRB_082 = 3	Good
3	SCRB_082 = 2	Very Good
4	SCRB_082 = 1	Excellent
NS	(SCRB_082 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

### 4) Screener - Depression

**Variable name:** SCRBFDEP

**Based on:** SCRB\_21, SCRB\_22, SCRB\_23

**Previous usage:** None

**Description:** This variable classifies the respondent based on whether he/she was screened into the depression module or not.

**Note:** This variable should not be used as a proxy measure for the specific disorder.

Value of SCRBFDEP	Condition(s)	Explanation
1	SCRB_21 = 1 or SCRB_22 = 1 or SCRB_23 = 1	Respondent screened into the depression module.
2	SCRB_21 = 2 and SCRB_22 = 2 and SCRB_23 = 2	Respondent was not screened into the depression module.
NS	(SCRB_21 = DK, R, NS) or (SCRB_22 = DK, R, NS) or (SCRB_23 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 5) Screener - Mania

**Variable name:** SCRBFMIA

**Based on:** SCRB\_24, SCRB\_25, SCRB\_25A

**Previous usage:** None

**Description:** This variable classifies the respondent based on whether he/she was screened into the mania module or not.

**Note:** This variable should not be used as a proxy measure for the specific disorder.

Value of SCRBFMIA	Condition(s)	Explanation
1	SCRB_24 = 1 or SCRB_25A = 1	Respondent screened into the mania module.
2	(SCRB_24 = 2 and SCRB_25 = 2) or (SCRB_24 = 2 and SCRB_25A = 2)	Respondent was not screened into the mania module.
NS	(SCRB_24 = DK, R, NS) or (SCRB_25 = DK, R, NS) or (SCRB_25A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 6) Screener – Panic Disorder

**Variable name:** SCRBFPAD

**Based on:** SCRB\_20, SCRB\_20A

**Previous usage:** None

**Description:** This variable classifies the respondent based on whether he/she was screened into the panic disorder module or not.

**Note:** This variable should not be used as a proxy measure for the specific disorder.

Value of SCRBFPAD	Condition(s)	Explanation
1	SCRB_20 = 1 or SCRB_20A = 1	Respondent screened into the panic disorder module.
2	SCRB_20 = 2 and SCRB_20A = 2	Respondent was not screened into the panic disorder module.
NS	(SCRB_20 = DK, R, NS) or (SCRB_20A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 7) Screener – Social Phobia

**Variable name:** SCRBFSOP

**Based on:** SCRB\_29A, SCRB\_291, SCRB\_292, SCRB\_293

**Previous usage:** None

**Description:** This variable classifies the respondent based on whether he/she was screened into the social phobia module or not.

**Note:** This variable should not be used as a proxy measure for the specific disorder.

Value of SCRBFSOP	Condition(s)	Explanation
1	SCRB_291 = 1 and (SCRB_292 = 1 or SCRB_293 = 1)	Respondent screened into the social phobia module.
2	SCRB_29A = 2 or SCRB_291 = 2 or (SCRB_292 = 2 and SCRB_293 = 2)	Respondent was not screened into the social phobia module.
NS	(SCRB_29A = DK, R, NS) or (SCRB_291 = DK, R, NS) or (SCRB_292 = DK, R, NS) or (SCRB_293 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 8) Screener – Agoraphobia

**Variable name:** SCRBFAGP

**Based on:** SCRB\_30

**Previous usage:** None

**Description:** This variable classifies the respondent based on whether he/she was screened into the agoraphobia module or not.

**Note:** This variable should not be used as a proxy measure for the specific disorder.

Value of SCRBFAGP	Condition(s)	Explanation
1	SCRB_30 = 1	Respondent screened into the agoraphobia module.
2	SCRB_30 = 2	Respondent was not screened into the agoraphobia module.
NS	(SCRB_30 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.



## 9) Screener – Generalized Anxiety Disorder (GAD)

**Variable name:** SCRBFGAD

**Based on:** SCRB\_26, SCRB\_26A, SCRB\_26B

**Previous usage:** None

**Description:** This variable classifies the respondent based on whether he/she was screened into the generalized anxiety disorder module or not. Note that this survey does not support the Generalized Anxiety Disorder module.

**Note:** This variable should not be used as a proxy measure for the specific disorder.

Value of SCRBFGAD	Condition(s)	Explanation
1	SCRB_26 = 1 or SCRB_26A = 1 or SCRB_26B = 1	Respondent screened into the GAD module.
2	SCRB_26 = 2 and SCRB_26A = 2 and SCRB_26B = 2	Respondent was not screened into the GAD module.
NS	(SCRB_26 = DK, R, NS) or (SCRB_26A = DK, R, NS) or (SCRB_26B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## Chronic Conditions (1 DV)

### 1) Has a Chronic Condition

**Variable name:** CCCBF1

**Based on:** CCCB\_011, CCCB\_021, CCCB\_031, CCCB\_041, CCCB\_051, CCCB\_061, CCCB\_071, CCCB\_081, CCCB\_91A, CCCB\_91B, CCCB\_101, CCCB\_111, CCCB\_121, CCCB\_131, CCCB\_141, CCCB\_151, CCCB\_171, CCCB\_181, CCCB\_191, CCCB\_201, CCCB\_211, CCCB\_251, CCCB\_261, CCCB\_271, CCCB\_281, CCCB\_301, CCCB\_311, CCCB\_321, CCCB\_331, CCCB\_341, CCCB\_901

**Previous Usage:** None

**Description:** This variable represents whether or not the respondent had any chronic health conditions which were diagnosed by a health professional.

**Technical Specs:** Whether the respondent has any condition is based upon a "yes" to any condition.

Value of CCCBF1	Condition(s)	Explanation
2	CCCB_011 = 2 and CCCB_021 = 2 and CCCB_031 = 2 and CCCB_041 = 2 and CCCB_051 = 2 and CCCB_061 = 2 and CCCB_071 = 2 and CCCB_081 = 2 and CCCB_91A = 2 and (CCCB_91B = 2, NA) and CCCB_101 = 2 and CCCB_111 = 2 and CCCB_121 = 2 and CCCB_131 = 2 and CCCB_141 = 2 and CCCB_151 = 2 and CCCB_171 = 2 and (CCCB_181 = 2, NA) and (CCCB_191 = 2, NA) and (CCCB_201 = 2, NA) and CCCB_211 = 2 and CCCB_251 = 2 and CCCB_261 = 2 and CCCB_271 = 2 and CCCB_281 = 2 and CCCB_301 = 2 and CCCB_311 = 2 and CCCB_321 = 2 and CCCB_331 = 2 and CCCB_341 = 2 and CCCB_901 = 2	Respondent has no chronic conditions.

1	CCCB_011 = 1 or CCCB_021 = 1 or CCCB_031 = 1 or CCCB_041 = 1 or CCCB_051 = 1 or CCCB_061 = 1 or CCCB_071 = 1 or CCCB_081 = 1 or CCCB_91A = 1 or CCCB_91B = 1 or CCCB_101 = 1 or CCCB_111 = 1 or CCCB_121 = 1 or CCCB_131 = 1 or CCCB_141 = 1 or CCCB_151 = 1 or CCCB_171 = 1 or CCCB_181 = 1 or CCCB_191 = 1 or CCCB_201 = 1 or CCCB_211 = 1 or CCCB_251 = 1 or CCCB_261 = 1 or CCCB_271 = 1 or CCCB_281 = 1 or CCCB_301 = 1 or CCCB_311 = 1 or CCCB_321 = 1 or CCCB_331 = 1 or CCCB_341 = 1 or CCCB_901 = 1	Respondent has at least one chronic condition.
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NS	(CCCB_011 = DK, R, NS) or (CCCB_021 = DK, R, NS) or (CCCB_031 = DK, R, NS) or (CCCB_041 = DK, R, NS) or (CCCB_051 = DK, R, NS) or (CCCB_061 = DK, R, NS) or (CCCB_071 = DK, R, NS) or (CCCB_081 = DK, R, NS) or (CCCB_91A = DK, R, NS) or (CCCB_91B = DK, R, NS) or (CCCB_101 = DK, R, NS) or (CCCB_111 = DK, R, NS) or (CCCB_121 = DK, R, NS) or (CCCB_131 = DK, R, NS) or (CCCB_141 = DK, R, NS) or (CCCB_151 = DK, R, NS) or (CCCB_171 = DK, R, NS) or (CCCB_181 = DK, R, NS) or (CCCB_191 = DK, R, NS) or (CCCB_201 = DK, R, NS) or (CCCB_211 = DK, R, NS) or (CCCB_251 = DK, R, NS) or (CCCB_261 = DK, R, NS) or (CCCB_271 = DK, R, NS) or (CCCB_281 = DK, R, NS) or (CCCB_301 = DK, R, NS) or (CCCB_311 = DK, R, NS) or (CCCB_321 = DK, R, NS) or (CCCB_331 = DK, R, NS) or (CCCB_341 = DK, R, NS) or (CCCB_901 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
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## Height/Weight (6 DVs)

### 1) Height (metres)

**Variable name:** HWTBDHTM

**Based on:** HWTB\_2, HWTB\_2A, HWTB\_2B, HWTB\_2C, HWTB\_2D, HWTB\_2E, HWTB\_2F

**Previous usage:**

CCHS Cycle 1.1: HWTADHTM

**Description:** This variable indicates the height of the respondent in metres. For example, an individual who is 5 feet and 8 inches will have a height of 1.727 metres. The 1.727 is the midpoint of the range (1.715-1.739) around the height 5 feet and 8 inches. The range values were calculated as follows for an individual who is 5'8":  
**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.

Value of HWTBDHTM	Condition(s)	Explanation
NS	(HWTB_2 = DK, R, NS) or (HWTB_2A = DK, R, NS) or (HWTB_2B = DK, R, NS) or (HWTB_2C = DK, R, NS) or (HWTB_2D = DK, R, NS) or (HWTB_2E = DK, R, NS) or (HWTB_2F = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
.914	HWTB_2 = 3 and HWTB_2C = 0	.926 meters or shorter
.940	HWTB_2 = 3 and HWTB_2C = 1	.927 to .952 meters
.965	HWTB_2 = 3 and HWTB_2C = 2	.953 to .977 meters
.991	HWTB_2 = 3 and HWTB_2C = 3	.978 to 1.002 meters
1.016	HWTB_2 = 3 and HWTB_2C = 4	1.003 to 1.028 meters
1.041	HWTB_2 = 3 and HWTB_2C = 5	1.029 to 1.053 meters
1.067	HWTB_2 = 3 and HWTB_2C = 6	1.054 to 1.079 meters
1.092	HWTB_2 = 3 and HWTB_2C = 7	1.080 to 1.104 meters
1.118	HWTB_2 = 3 and HWTB_2C = 8	1.105 to 1.129 meters
1.143	HWTB_2 = 3 and HWTB_2C = 9	1.130 to 1.155 meters
1.168	HWTB_2 = 3 and HWTB_2C = 10	1.156 to 1.180 meters
1.194	HWTB_2 = 3 and HWTB_2C = 11	1.181 to 1.206 meters
1.219	HWTB_2 = 4 and HWTB_2D = 0	1.207 to 1.231 meters
1.245	HWTB_2 = 4 and HWTB_2D = 1	1.232 to 1.256 meters
1.270	HWTB_2 = 4 and HWTB_2D = 2	1.257 to 1.282 meters
1.295	HWTB_2 = 4 and HWTB_2D = 3	1.283 to 1.307 meters

1.321	HWTB_2 = 4 and HWTB_2D = 4	1.308 to 1.333 meters
1.346	HWTB_2 = 4 and HWTB_2D = 5	1.334 to 1.358 meters
1.372	HWTB_2 = 4 and HWTB_2D = 6	1.359 to 1.383 meters
1.397	HWTB_2 = 4 and HWTB_2D = 7	1.384 to 1.409 meters
1.422	HWTB_2 = 4 and HWTB_2D = 8	1.410 to 1.434 meters
1.448	HWTB_2 = 4 and HWTB_2D = 9	1.435 to 1.460 meters
1.473	HWTB_2 = 4 and HWTB_2D = 10	1.461 to 1.485 meters
1.499	HWTB_2 = 4 and HWTB_2D = 11	1.486 to 1.510 meters
1.524	HWTB_2 = 5 and HWTB_2E = 0	1.511 to 1.536 meters
1.549	HWTB_2 = 5 and HWTB_2E = 1	1.537 to 1.561 meters
1.575	HWTB_2 = 5 and HWTB_2E = 2	1.562 to 1.587 meters
1.600	HWTB_2 = 5 and HWTB_2E = 3	1.588 to 1.612 meters
1.626	HWTB_2 = 5 and HWTB_2E = 4	1.613 to 1.637 meters
1.651	HWTB_2 = 5 and HWTB_2E = 5	1.638 to 1.663 meters
1.676	HWTB_2 = 5 and HWTB_2E = 6	1.664 to 1.688 meters
1.702	HWTB_2 = 5 and HWTB_2E = 7	1.689 to 1.714 meters
1.727	HWTB_2 = 5 and HWTB_2E = 8	1.715 to 1.739 meters
1.753	HWTB_2 = 5 and HWTB_2E = 9	1.740 to 1.764 meters
1.778	HWTB_2 = 5 and HWTB_2E = 10	1.765 to 1.790 meters
1.803	HWTB_2 = 5 and HWTB_2E = 11	1.791 to 1.815 meters
1.829	HWTB_2 = 6 and HWTB_2F = 0	1.816 to 1.841 meters
1.854	HWTB_2 = 6 and HWTB_2F = 1	1.842 to 1.866 meters
1.880	HWTB_2 = 6 and HWTB_2F = 2	1.867 to 1.891 meters
1.905	HWTB_2 = 6 and HWTB_2F = 3	1.892 to 1.917 meters
1.930	HWTB_2 = 6 and HWTB_2F = 4	1.918 to 1.942 meters
1.956	HWTB_2 = 6 and HWTB_2F = 5	1.943 to 1.968 meters
1.981	HWTB_2 = 6 and HWTB_2F = 6	1.969 to 1.993 meters
2.007	HWTB_2 = 6 and HWTB_2F = 7	1.994 to 2.018 meters

2.032	HWTB_2 = 6 and HWTB_2F = 8	2.019 to 2.044 meters
2.057	HWTB_2 = 6 and HWTB_2F = 9	2.045 to 2.069 meters
2.083	HWTB_2 = 6 and HWTB_2F = 10	2.070 to 2.095 meters
2.108	HWTB_2 = 6 and HWTB_2F = 11	2.096 to 2.120 meters
2.134	HWTB_2 = 7	2.121 meters or taller

## 2) Height (inches)

**Variable name:** HWTBDHTI

**Based on:** HWTB\_2, HWTB\_2A, HWTB\_2B, HWTB\_2C, HWTB\_2D, HWTB\_2E, HWTB\_2F

**Previous usage:**

CCHS Cycle 1.1: HWTADHTI

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

Value of HWTBDHTI	Condition(s)	Explanation
NS	(HWTB_2 = DK, R, NS) or (HWTB_2A = DK, R, NS) or (HWTB_2B = DK, R, NS) or (HWTB_2C = DK, R, NS) or (HWTB_2D = DK, R, NS) or (HWTB_2E = DK, R, NS) or (HWTB_2F = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
36	HWTB_2 = 3 and HWTB_2C = 0	3'0" or shorter
37	HWTB_2 = 3 and HWTB_2C = 1	3'1"
38	HWTB_2 = 3 and HWTB_2C = 2	3'2"
39	HWTB_2 = 3 and HWTB_2C = 3	3'3"
40	HWTB_2 = 3 and HWTB_2C = 4	3'4"
41	HWTB_2 = 3 and HWTB_2C = 5	3'5"
42	HWTB_2 = 3 and HWTB_2C = 6	3'6"
43	HWTB_2 = 3 and HWTB_2C = 7	3'7"
44	HWTB_2 = 3 and HWTB_2C = 8	3'8"
45	HWTB_2 = 3 and HWTB_2C = 9	3'9"
46	HWTB_2 = 3 and HWTB_2C = 10	3'10"
47	HWTB_2 = 3 and HWTB_2C = 11	3'11"
48	HWTB_2 = 4 and HWTB_2D = 0	4'0"
49	HWTB_2 = 4 and HWTB_2D = 1	4'1"

50	HWTB_2 = 4 and HWTB_2D = 2	4'2"
51	HWTB_2 = 4 and HWTB_2D = 3	4'3"
52	HWTB_2 = 4 and HWTB_2D = 4	4'4"
53	HWTB_2 = 4 and HWTB_2D = 5	4'5"
54	HWTB_2 = 4 and HWTB_2D = 6	4'6"
55	HWTB_2 = 4 and HWTB_2D = 7	4'7"
56	HWTB_2 = 4 and HWTB_2D = 8	4'8"
57	HWTB_2 = 4 and HWTB_2D = 9	4'9"
58	HWTB_2 = 4 and HWTB_2D = 10	4'10"
59	HWTB_2 = 4 and HWTB_2D = 11	4'11"
60	HWTB_2 = 5 and HWTB_2E = 0	5'0"
61	HWTB_2 = 5 and HWTB_2E = 1	5'1"
62	HWTB_2 = 5 and HWTB_2E = 2	5'2"
63	HWTB_2 = 5 and HWTB_2E = 3	5'3"
64	HWTB_2 = 5 and HWTB_2E = 4	5'4"
65	HWTB_2 = 5 and HWTB_2E = 5	5'5"
66	HWTB_2 = 5 and HWTB_2E = 6	5'6"
67	HWTB_2 = 5 and HWTB_2E = 7	5'7"
68	HWTB_2 = 5 and HWTB_2E = 8	5'8"
69	HWTB_2 = 5 and HWTB_2E = 9	5'9"
70	HWTB_2 = 5 and HWTB_2E = 10	5'10"
71	HWTB_2 = 5 and HWTB_2E = 11	5'11"
72	HWTB_2 = 6 and HWTB_2F = 0	6'0"
73	HWTB_2 = 6 and HWTB_2F = 1	6'1"
74	HWTB_2 = 6 and HWTB_2F = 2	6'2"
75	HWTB_2 = 6 and HWTB_2F = 3	6'3"
76	HWTB_2 = 6 and HWTB_2F = 4	6'4"
77	HWTB_2 = 6 and HWTB_2F = 5	6'5"



78	HWTB_2 = 6 and HWTB_2F = 6	6'6"
79	HWTB_2 = 6 and HWTB_2F = 7	6'7"
80	HWTB_2 = 6 and HWTB_2F = 8	6'8"
81	HWTB_2 = 6 and HWTB_2F = 9	6'9"
82	HWTB_2 = 6 and HWTB_2F = 10	6'10"
83	HWTB_2 = 6 and HWTB_2F = 11	6'11"
84	HWTB_2 = 7	7'0" or taller

### 3) Weight (kilograms)

**Variable name:** HWTBDWTK

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

**Previous Usage:**

CCHS Cycle 1.1: HWTADWTK

**Description:** This variable indicates the weight of the respondent in kilograms.

Value of HWTBDWTK	Condition(s)	Explanation
NS	(HWTB_3 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
HWTB_3	HWTB_N4 = 2	Weight is already in Kg.
HWTB_3 × .45	HWTB_N4 = 1	Weight is in Lbs., convert to Kg.

### 4) Weight (pounds)

**Variable name:** HWTBDWTP

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

**Previous Usage:**

CCHS Cycle 1.1: HWTADWTP

**Description:** This variable indicates the weight of the respondent in pounds.

Value of HWTBDWTP	Condition(s)	Explanation
NS	(HWTB_3 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question.
HWTB_3 / .45	HWTB_N4 = 2	Weight is in Kg., convert to Lbs.
HWTB_3	HWTB_N4 = 1	Weight is already in Lbs.

## 5) Body Mass Index

**Variable name:** HWTBDBMI

**Based on:** HWTBDHTM, HWTBDWTK, HWTB\_1, DHHB\_AGE, DHHB\_SEX

**Previous Usage:**

CCHS Cycle 1.1: HWTADBMI

NPHS Cycle 4: HWC0DBMI

NPHS Cycle 3: HWC8DBMI

NPHS Cycle 2: HWC6DBMI

NPHS Cycle 1: HWC4DBMI

**Description:** The body mass index (BMI) is a quick and accurate method to determine health risk as it relates to your body weight and height. This variable is calculated for persons 20 to 64 years old, excluding pregnant women. The pregnancy question (variable HWTB\_1) has been added to measure the BMI for female respondents in the second collection period, which means that the BMI could not be calculated for female respondents of the first collection period. BMI is not calculated for anyone less than 3 feet or 7 feet and over.

**Technical Specifications:** BMI is calculated by dividing one's weight in kilograms by one's squared height, measured in meters.  $BMI = \text{WEIGHT (KG)} / \text{SQUARED HEIGHT (METERS)}$

Value of HWTBDBMI	Condition(s)	Explanation
NA	$20 > DHHB\_AGE > 64$	Respondent who were less than 20 or more than 64 years old.
NA	$HWTB\_1 = 1$	Respondent is pregnant.
NS	$HWTBDHTM = NS$ or $HWTBDWTK = NS$	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.
NS	$HWTB\_1 = NS$ and $DHHB\_SEX = 2$	Female respondent in the first collection period (2002Q1) were not asked the pregnancy question.
NA	$HWTBDHTM > 2.108$ or $HWTBDHTM < .914$	Respondent's height is out of range.
$HWTBDWTK / (HWTBDHTM \times HWTBDHTM)$  (round to .1)	$.914 \leq HWTBDHTM \leq 2.108$ and $0 < HWTBDWTK \leq 260$	BMI calculated from height and weight values.

## 6) Standard Weight – Canadian standard

**Variable name:** HWTBDSW

**Based on:** HWTBDBMI

**Previous Usage:**

CCHS Cycle 1.1: HWTADSW

NPHS Cycle 4: HWC0DSW

NPHS Cycle 3: HWC8DSW

NPHS Cycle 2: HWC6DSW

NPHS Cycle 1: HWC4DSW

**Description:** This variable classifies the respondent based on their BMI and indicates whether they are in the insufficient, acceptable, some excess or overweight category, according to the Canadian standard.

Value of HWTBDSW	Condition(s)	Explanation
NA	HWTBDBMI = NA	Respondent has a non-response (not applicable) value in the derived variable required for calculation.
NS	HWTBDBMI = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.
1	$HWTBDBMI < 20.0$	Insufficient weight
2	$20.0 \leq HWTBDBMI < 25.0$	Acceptable weight
3	$25.0 \leq HWTBDBMI \leq 27.0$	Some excess weight
4	$HWTBDBMI > 27.0$	Overweight

## Physical Activities (6 DVs)

### 1) Energy Expenditure

**Variable name:** PACBDEE

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

**Previous usage:**

CCHS Cycle 1.1: PACADEE

NPHS Cycle 4: PACODEE

NPHS Cycle 3: PAC8DEE

NPHS Cycle 2: PAC6DEE

NPHS Cycle 1: PAC4DEE

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

**Technical Specs:** Energy expenditure for each activity (kcal/kg/day) =  $(N \times D \times \text{MET value})/365$

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). 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. The MET values are:

Variable Name	Activity	MET Value (kcal/kg/hr)
PACBDEEA	WALKING FOR EXERCISE	3
PACBDEEB	GARDENING OR YARD WORK	3
PACBDEEC	SWIMMING	3
PACBDEED	BICYCLING	4
PACBDEEE	POPULAR OR SOCIAL DANCE	3
PACBDEEF	HOME EXERCISES	3
PACBDEEG	ICE HOCKEY	6
PACBDEEH	ICE SKATING	4
PACBDEEI	IN-LINE SKATING OR ROLLERBLADING	5
PACBDEEJ	JOGGING OR RUNNING	9.5
PACBDEEK	GOLFING	4
PACBDEEL	EXERCISE CLASS OR AEROBICS	4
PACBDEEM	DOWNHILL SKIING OR SNOWBOARDING	4
PACBDEEN	BOWLING	2
PACBDEEO	BASEBALL OR SOFTBALL	3
PACBDEEP	TENNIS	4
PACBDEEQ	WEIGHT-TRAINING	3
PACBDEER	FISHING	3

<b>PACBDEES</b>	VOLLEYBALL	5
<b>PACBDEET</b>	BASKETBALL	6
<b>PACBDEEU</b>	OTHER (U)	4
<b>PACBDEEW</b>	OTHER (W)	4
<b>PACBDEEX</b>	OTHER (X)	4

**Note:** 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 was the average of the listed activities except for the average value of jogging and running. Instead the average value of jogging and running was replaced by the value for jogging **ONLY** in the calculation of the overall average for "Other Activities". Some activities have MET values lower than the average, however, this approach is consistent with other studies, such as the Campbell's Survey and the Ontario Health Survey (OHS).

**Note:** \*Times were rounded to a specific value for calculation, as with NPHS (13min/.2167hr, 23min/.3833hr, 45min/.75hr, 60min/1hr).

**Internet Site:** Canadian Fitness and Lifestyle Research Institute : [www.cflri.ca](http://www.cflri.ca)

#### WALKING FOR EXERCISE:

<b>Value of PACBDEEA</b>	<b>Condition(s)</b>	<b>Explanation</b>
0	PACB_3A = NA	Respondent did not participate in activity.
0	(PACB_3A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(PACB\_2A \times 4 \times .2167 \times 3) / 365$	PACB_3A = 1	Calculate EE for < 15 min*
$(PACB\_2A \times 4 \times .3833 \times 3) / 365$	PACB_3A = 2	Calculate EE for 16 to 30 min*
$(PACB\_2A \times 4 \times .75 \times 3) / 365$	PACB_3A = 3	Calculate EE for 31 to 60 min*
$(PACB\_2A \times 4 \times 1 \times 3) / 365$	PACB_3A = 4	Calculate EE for > 60 min*

#### GARDENING OR YARD WORK:

<b>Value of PACBDEEB</b>	<b>Condition(s)</b>	<b>Explanation</b>
0	PACB_3B = NA	Respondent did not participate in activity.
0	(PACB_3B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(PACB\_2B \times 4 \times .2167 \times 3) / 365$	PACB_3B = 1	Calculate EE for < 15 min*
$(PACB\_2B \times 4 \times .3833 \times 3) / 365$	PACB_3B = 2	Calculate EE for 16 to 30 min*
$(PACB\_2B \times 4 \times .75 \times 3) / 365$	PACB_3B = 3	Calculate EE for 31 to 60 min*
$(PACB\_2B \times 4 \times 1 \times 3) / 365$	PACB_3B = 4	Calculate EE for > 60 min*

## SWIMMING:

Value of PACBDEEC	Condition(s)	Explanation
0	PACB_3C = NA	Respondent did not participate in activity.
0	(PACB_3C = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2C} \times 4 \times .2167 \times 3) / 365$	PACB_3C = 1	Calculate EE for < 15 min*
$(\text{PACB\_2C} \times 4 \times .3833 \times 3) / 365$	PACB_3C = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2C} \times 4 \times .75 \times 3) / 365$	PACB_3C = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2C} \times 4 \times 1 \times 3) / 365$	PACB_3C = 4	Calculate EE for > 60 min*

## BICYCLING:

Value of PACBDEED	Condition(s)	Explanation
0	PACB_3D = NA	Respondent did not participate in activity.
0	(PACB_3D = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2D} \times 4 \times .2167 \times 4) / 365$	PACB_3D = 1	Calculate EE for < 15 min*
$(\text{PACB\_2D} \times 4 \times .3833 \times 4) / 365$	PACB_3D = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2D} \times 4 \times .75 \times 4) / 365$	PACB_3D = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2D} \times 4 \times 1 \times 4) / 365$	PACB_3D = 4	Calculate EE for > 60 min*

## POPULAR OR SOCIAL DANCE:

Value of PACBDEEE	Condition(s)	Explanation
0	PACB_3E = NA	Respondent did not participate in activity.
0	(PACB_3E = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2E} \times 4 \times .2167 \times 3) / 365$	PACB_3E = 1	Calculate EE for < 15 min*
$(\text{PACB\_2E} \times 4 \times .3833 \times 3) / 365$	PACB_3E = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2E} \times 4 \times .75 \times 3) / 365$	PACB_3E = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2E} \times 4 \times 1 \times 3) / 365$	PACB_3E = 4	Calculate EE for > 60 min*

## HOME EXERCISES:

Value of PACBDEEF	Condition(s)	Explanation
0	PACB_3F = NA	Respondent did not participate in activity.
0	(PACB_3F = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2F} \times 4 \times .2167 \times 3) / 365$	PACB_3F = 1	Calculate EE for < 15 min*
$(\text{PACB\_2F} \times 4 \times .3833 \times 3) / 365$	PACB_3F = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2F} \times 4 \times .75 \times 3) / 365$	PACB_3F = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2F} \times 4 \times 1 \times 3) / 365$	PACB_3F = 4	Calculate EE for > 60 min*

## ICE HOCKEY:

Value of PACBDEEG	Condition(s)	Explanation
0	PACB_3G = NA	Respondent did not participate in activity.
0	(PACB_3G = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2G} \times 4 \times .2167 \times 6) / 365$	PACB_3G = 1	Calculate EE for < 15 min*
$(\text{PACB\_2G} \times 4 \times .3833 \times 6) / 365$	PACB_3G = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2G} \times 4 \times .75 \times 6) / 365$	PACB_3G = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2G} \times 4 \times 1 \times 6) / 365$	PACB_3G = 4	Calculate EE for > 60 min*

## ICE SKATING:

Value of PACBDEEH	Condition(s)	Explanation
0	PACB_3H = NA	Respondent did not participate in activity.
0	(PACB_3H = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2H} \times 4 \times .2167 \times 4) / 365$	PACB_3H = 1	Calculate EE for < 15 min*
$(\text{PACB\_2H} \times 4 \times .3833 \times 4) / 365$	PACB_3H = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2H} \times 4 \times .75 \times 4) / 365$	PACB_3H = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2H} \times 4 \times 1 \times 4) / 365$	PACB_3H = 4	Calculate EE for > 60 min*

## IN-LINE SKATING OR ROLLERBLADING:

Value of PACBDEEI	Condition(s)	Explanation
0	PACB_3I = NA	Respondent did not participate in activity.
0	(PACB_3I = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2I} \times 4 \times .2167 \times 5) / 365$	PACB_3I = 1	Calculate EE for < 15 min*
$(\text{PACB\_2I} \times 4 \times .3833 \times 5) / 365$	PACB_3I = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2I} \times 4 \times .75 \times 5) / 365$	PACB_3I = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2I} \times 4 \times 1 \times 5) / 365$	PACB_3I = 4	Calculate EE for > 60 min*

## JOGGING OR RUNNING:

Value of PACBDEEJ	Condition(s)	Explanation
0	PACB_3J = NA	Respondent did not participate in activity.
0	(PACB_3J = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2J} \times 4 \times .2167 \times 9.5) / 365$	PACB_3J = 1	Calculate EE for < 15 min*
$(\text{PACB\_2J} \times 4 \times .3833 \times 9.5) / 365$	PACB_3J = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2J} \times 4 \times .75 \times 9.5) / 365$	PACB_3J = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2J} \times 4 \times 1 \times 9.5) / 365$	PACB_3J = 4	Calculate EE for > 60 min*

## GOLFING:

Value of PACBDEEK	Condition(s)	Explanation
0	PACB_3K = NA	Respondent did not participate in activity.
0	(PACB_3K = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2K} \times 4 \times .2167 \times 4) / 365$	PACB_3K = 1	Calculate EE for < 15 min*
$(\text{PACB\_2K} \times 4 \times .3833 \times 4) / 365$	PACB_3K = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2K} \times 4 \times .75 \times 4) / 365$	PACB_3K = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2K} \times 4 \times 1 \times 4) / 365$	PACB_3K = 4	Calculate EE for > 60 min*

## EXERCISE CLASS OR AEROBICS:

Value of PACBDEEL	Condition(s)	Explanation
0	PACB_3L = NA	Respondent did not participate in activity.
0	(PACB_3L = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2L} \times 4 \times .2167 \times 4) / 365$	PACB_3L = 1	Calculate EE for < 15 min*
$(\text{PACB\_2L} \times 4 \times .3833 \times 4) / 365$	PACB_3L = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2L} \times 4 \times .75 \times 4) / 365$	PACB_3L = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2L} \times 4 \times 1 \times 4) / 365$	PACB_3L = 4	Calculate EE for > 60 min*

## DOWNHILL SKIING OR SNOWBOARDING:

Value of PACBDEEM	Condition(s)	Explanation
0	PACB_3M = NA	Respondent did not participate in activity.
0	(PACB_3M = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2M} \times 4 \times .2167 \times 4) / 365$	PACB_3M = 1	Calculate EE for < 15 min*
$(\text{PACB\_2M} \times 4 \times .3833 \times 4) / 365$	PACB_3M = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2M} \times 4 \times .75 \times 4) / 365$	PACB_3M = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2M} \times 4 \times 1 \times 4) / 365$	PACB_3M = 4	Calculate EE for > 60 min*

## BOWLING:

Value of PACBDEEN	Condition(s)	Explanation
0	PACB_3N = NA	Respondent did not participate in activity.
0	(PACB_3N = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2N} \times 4 \times .2167 \times 2) / 365$	PACB_3N = 1	Calculate EE for < 15 min*
$(\text{PACB\_2N} \times 4 \times .3833 \times 2) / 365$	PACB_3N = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2N} \times 4 \times .75 \times 2) / 365$	PACB_3N = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2N} \times 4 \times 1 \times 2) / 365$	PACB_3N = 4	Calculate EE for > 60 min*



## BASEBALL OR SOFTBALL:

Value of PACBDEEO	Condition(s)	Explanation
0	PACB_3O = NA	Respondent did not participate in activity.
0	(PACB_3O = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2O} \times 4 \times .2167 \times 3) / 365$	PACB_3O = 1	Calculate EE for < 15 min*
$(\text{PACB\_2O} \times 4 \times .3833 \times 3) / 365$	PACB_3O = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2O} \times 4 \times .75 \times 3) / 365$	PACB_3O = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2O} \times 4 \times 1 \times 3) / 365$	PACB_3O = 4	Calculate EE for > 60 min*

## TENNIS:

Value of PACBDEEP	Condition(s)	Explanation
0	PACB_3P = NA	Respondent did not participate in activity.
0	(PACB_3P = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2P} \times 4 \times .2167 \times 4) / 365$	PACB_3P = 1	Calculate EE for < 15 min*
$(\text{PACB\_2P} \times 4 \times .3833 \times 4) / 365$	PACB_3P = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2P} \times 4 \times .75 \times 4) / 365$	PACB_3P = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2P} \times 4 \times 1 \times 4) / 365$	PACB_3P = 4	Calculate EE for > 60 min*

## WEIGHT-TRAINING:

Value of PACBDEEQ	Condition(s)	Explanation
0	PACB_3Q = NA	Respondent did not participate in activity.
0	(PACB_3Q = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2Q} \times 4 \times .2167 \times 3) / 365$	PACB_3Q = 1	Calculate EE for < 15 min*
$(\text{PACB\_2Q} \times 4 \times .3833 \times 3) / 365$	PACB_3Q = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2Q} \times 4 \times .75 \times 3) / 365$	PACB_3Q = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2Q} \times 4 \times 1 \times 3) / 365$	PACB_3Q = 4	Calculate EE for > 60 min*

## FISHING:

Value of PACBDEER	Condition(s)	Explanation
0	PACB_3R = NA	Respondent did not participate in activity.
0	(PACB_3R = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2R} \times 4 \times .2167 \times 3) / 365$	PACB_3R = 1	Calculate EE for < 15 min*
$(\text{PACB\_2R} \times 4 \times .3833 \times 3) / 365$	PACB_3R = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2R} \times 4 \times .75 \times 3) / 365$	PACB_3R = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2R} \times 4 \times 1 \times 3) / 365$	PACB_3R = 4	Calculate EE for > 60 min*

## VOLLEYBALL:

Value of PACBDEES	Condition(s)	Explanation
0	PACB_3S = NA	Respondent did not participate in activity.
0	(PACB_3S = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2S} \times 4 \times .2167 \times 5) / 365$	PACB_3S = 1	Calculate EE for < 15 min*
$(\text{PACB\_2S} \times 4 \times .3833 \times 5) / 365$	PACB_3S = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2S} \times 4 \times .75 \times 5) / 365$	PACB_3S = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2S} \times 4 \times 1 \times 5) / 365$	PACB_3S = 4	Calculate EE for > 60 min*

## BASKETBALL:

Value of PACBDEET	Condition(s)	Explanation
0	PACB_3T = NA	Respondent did not participate in activity.
0	(PACB_3T = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2T} \times 4 \times .2167 \times 6) / 365$	PACB_3T = 1	Calculate EE for < 15 min*
$(\text{PACB\_2T} \times 4 \times .3833 \times 6) / 365$	PACB_3T = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2T} \times 4 \times .75 \times 6) / 365$	PACB_3T = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2T} \times 4 \times 1 \times 6) / 365$	PACB_3T = 4	Calculate EE for > 60 min*

## OTHER (U):

Value of PACBDEEU	Condition(s)	Explanation
0	PACB_3U = NA	Respondent did not participate in activity.
0	(PACB_3U = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2U} \times 4 \times .2167 \times 4) / 365$	PACB_3U = 1	Calculate EE for < 15 min*
$(\text{PACB\_2U} \times 4 \times .3833 \times 4) / 365$	PACB_3U = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2U} \times 4 \times .75 \times 4) / 365$	PACB_3U = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2U} \times 4 \times 1 \times 4) / 365$	PACB_3U = 4	Calculate EE for > 60 min*

## OTHER (W):

Value of PACBDEEW	Condition(s)	Explanation
0	PACB_3W = NA	Respondent did not participate in activity.
0	(PACB_3W = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2W} \times 4 \times .2167 \times 4) / 365$	PACB_3W = 1	Calculate EE for < 15 min*
$(\text{PACB\_2W} \times 4 \times .3833 \times 4) / 365$	PACB_3W = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2W} \times 4 \times .75 \times 4) / 365$	PACB_3W = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2W} \times 4 \times 1 \times 4) / 365$	PACB_3W = 4	Calculate EE for > 60 min*

OTHER (X):

Value of PACBDEEX	Condition(s)	Explanation
0	PACB_3X = NA	Respondent did not participate in activity.
0	(PACB_3X = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$(\text{PACB\_2X} \times 4 \times .2167 \times 4) / 365$	PACB_3X = 1	Calculate EE for < 15 min*
$(\text{PACB\_2X} \times 4 \times .3833 \times 4) / 365$	PACB_3X = 2	Calculate EE for 16 to 30 min*
$(\text{PACB\_2X} \times 4 \times .75 \times 4) / 365$	PACB_3X = 3	Calculate EE for 31 to 60 min*
$(\text{PACB\_2X} \times 4 \times 1 \times 4) / 365$	PACB_3X = 4	Calculate EE for > 60 min*

**SUM EE VALUES AND ROUND TO ONE DECIMAL:**

TOTAL:

Value of PACBDEE	Condition(s)	Explanation
NS	(PACB_1V = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
0	PACB_1V = 1	No physical activity.
PACBDEEA + PACBDEEB + PACBDEEC + PACBDEED + PACBDEEE + PACBDEEF + PACBDEEG + PACBDEEH + PACBDEEI + PACBDEEJ + PACBDEEK + PACBDEEL + PACBDEEM + PACBDEEN + PACBDEEO + PACBDEEP + PACBDEEQ + PACBDEER + PACBDEES + PACBDEET + PACBDEEU + PACBDEEW + PACBDEEX  (min: 0; max: 99.5) (round to .1)	0 <= PACBDEEA < NA and 0 <= PACBDEEB < NA and 0 <= PACBDEEC < NA and 0 <= PACBDEED < NA and 0 <= PACBDEEE < NA and 0 <= PACBDEEF < NA and 0 <= PACBDEEG < NA and 0 <= PACBDEEH < NA and 0 <= PACBDEEI < NA and 0 <= PACBDEEJ < NA and 0 <= PACBDEEK < NA and 0 <= PACBDEEL < NA and 0 <= PACBDEEM < NA and 0 <= PACBDEEN < NA and 0 <= PACBDEEO < NA and 0 <= PACBDEEP < NA and 0 <= PACBDEEQ < NA and 0 <= PACBDEER < NA and 0 <= PACBDEES < NA and 0 <= PACBDEET < NA and 0 <= PACBDEEU < NA and 0 <= PACBDEEW < NA and 0 <= PACBDEEX < NA	Total energy expenditure (kcal/kg/day) is equal to the sum of energy expenditure for each activity.

## 2) Participant in Leisure Physical Activity

**Variable name:** PACBFLEI

**Based on:** PACB\_1V

**Previous usage:**

CCHS Cycle 1.1: PACAFLEI

NPHS Cycle 4: PACODLEI

NPHS Cycle 3: PAC8DLEI

NPHS Cycle 2: PAC6DLEI

NPHS Cycle 1: PAC4DLEI (formerly DVPART94)

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

**Source:** Ontario Health Survey

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

Value of PACBFLEI	Condition(s)	Explanation
NS	(PACB_1V = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
2	PACB_1V = 1	Respondent does not participate in leisure physical activity.
1	PACB_1V = 2	Respondent participates in leisure physical activity.

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

**Variable name:** PACBDFM

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

**Previous usage:**

CCHS Cycle 1.1: PACADFM

NPHS Cycle 4: PAC0DFM

NPHS Cycle 3: PAC8DFM

NPHS Cycle 2: PAC6DFM

NPHS Cycle 1: PAC4DFM

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

**Source:** Ontario Health Survey

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

### Temporary Reformats

Reformat	Explanation
If (PACB_3A = 1, NA, DK, R, NS) then PACRQ2A = 0 If (PACB_3B = 1, NA, DK, R, NS) then PACRQ2B = 0 If (PACB_3C = 1, NA, DK, R, NS) then PACRQ2C = 0 If (PACB_3D = 1, NA, DK, R, NS) then PACRQ2D = 0 If (PACB_3E = 1, NA, DK, R, NS) then PACRQ2E = 0 If (PACB_3F = 1, NA, DK, R, NS) then PACRQ2F = 0 If (PACB_3G = 1, NA, DK, R, NS) then PACRQ2G = 0 If (PACB_3H = 1, NA, DK, R, NS) then PACRQ2H = 0	Set all values for PACB_3 (time spent on each occasion) to 0 if PACB_3 is 1 (1 to 15 minutes), NA (did not participate in activity), or DK, R, NS (did not answer the question).

If (PACB_3I = 1, NA, DK, R, NS) then PACRO2I = 0 If (PACB_3J = 1, NA, DK, R, NS) then PACRO2J = 0 If (PACB_3K = 1, NA, DK, R, NS) then PACRO2K = 0 If (PACB_3L = 1, NA, DK, R, NS) then PACRO2L = 0 If (PACB_3M = 1, NA, DK, R, NS) then PACRO2M = 0 If (PACB_3N = 1, NA, DK, R, NS) then PACRO2N = 0 If (PACB_3O = 1, NA, DK, R, NS) then PACRO2O = 0 If (PACB_3P = 1, NA, DK, R, NS) then PACRO2P = 0 If (PACB_3Q = 1, NA, DK, R, NS) then PACRO2Q = 0 If (PACB_3R = 1, NA, DK, R, NS) then PACRO2R = 0 If (PACB_3S = 1, NA, DK, R, NS) then PACRO2S = 0 If (PACB_3T = 1, NA, DK, R, NS) then PACRO2T = 0 If (PACB_3U = 1, NA, DK, R, NS) then PACRO2U = 0 If (PACB_3W = 1, NA, DK, R, NS) then PACRO2W = 0 If (PACB_3X = 1, NA, DK, R, NS) then PACRO2X = 0	
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Value of PACBDFM	Condition(s)	Explanation
0	PACB_1V=1	No physical activity.
NS	(PACB_1V = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
$\frac{(\text{PACRO2A} + \text{PACRO2B} + \text{PACRO2C} + \text{PACRO2D} + \text{PACRO2E} + \text{PACRO2F} + \text{PACRO2G} + \text{PACRO2H} + \text{PACRO2I} + \text{PACRO2J} + \text{PACRO2K} + \text{PACRO2L} + \text{PACRO2M} + \text{PACRO2N} + \text{PACRO2O} + \text{PACRO2P} + \text{PACRO2Q} + \text{PACRO2R} + \text{PACRO2S} + \text{PACRO2T} + \text{PACRO2U} + \text{PACRO2W} + \text{PACRO2X})}{3}$ (min: 0; max: 995) (round to nearest integer)	0 <= PACRO2A < NA and 0 <= PACRO2B < NA and 0 <= PACRO2C < NA and 0 <= PACRO2D < NA and 0 <= PACRO2E < NA and 0 <= PACRO2F < NA and 0 <= PACRO2G < NA and 0 <= PACRO2H < NA and 0 <= PACRO2I < NA and 0 <= PACRO2J < NA and 0 <= PACRO2K < NA and 0 <= PACRO2L < NA and 0 <= PACRO2M < NA and 0 <= PACRO2N < NA and 0 <= PACRO2O < NA and 0 <= PACRO2P < NA and 0 <= PACRO2Q < NA and 0 <= PACRO2R < NA and 0 <= PACRO2S < NA and 0 <= PACRO2T < NA and 0 <= PACRO2U < NA and 0 <= PACRO2W < NA and 0 <= PACRO2X < NA	Total frequencies of physical activity lasting over 15 minutes over 3 months divided by 3.

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

**Variable name:** PACBDFR

**Based on:** PACBDFM

**Previous usage:**

CCHS Cycle 1.1: PACADFR

NPHS Cycle 4: PACODFR

NPHS Cycle 3: PAC8DFR

NPHS Cycle 2: PAC6DFR

NPHS Cycle 1: PAC4DFR

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

Value of PACBDFR	Condition(s)	Explanation
NS	PACBDFM = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.
1	$12 \leq \text{PACBDFM} < \text{NA}$	Respondent exercises regularly
2	$4 \leq \text{PACBDFM} < 12$	Respondent exercises occasionally
3	$\text{PACBDFM} < 4$	Respondent exercises infrequently

#### 5) Participant in Daily Physical Activity Lasting Over 15 Minutes

**Variable name:** PACBFD

**Based on:** PACBDFM

**Previous usage:**

CCHS Cycle 1.1: PACAFD

NPHS Cycle 4: PACODFD

NPHS Cycle 3: PAC8DFD

NPHS Cycle 2: PAC6DFD

NPHS Cycle 1: PAC4DFD

**Description:** This variable indicates if the respondent participated daily in physical activity.

Value of PACBFD	Condition(s)	Explanation
NS	PACBDFM = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.
1	$30 \leq \text{PACBDFM} < \text{NA}$	Respondent exercises daily
2	$\text{PACBDFM} < 30$	Respondent does not exercise daily

## 6) Physical Activity Index

**Variable name:** PACBDPAI

**Based on:** PACBDEE

**Previous usage:**

CCHS Cycle 1.1: PACADPAI

NPHS Cycle 4: PACODPAI

NPHS Cycle 3: PAC8DPAI

NPHS Cycle 2: PAC6DPAI

NPHS Cycle 1: PAC4DPAI (formerly DVPAID94)

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

**Internet Site:** Campbell Survey on Well-Being in Canada: [www.cflri.ca/cflri/pa/surveys/88survey.html](http://www.cflri.ca/cflri/pa/surveys/88survey.html)

Value of PACBDPAI	Condition(s)	Explanation
NS	PACBDEE = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.
1	$3.0 \leq \text{PACBDEE} < \text{NA}$	Active
2	$1.5 \leq \text{PACBDEE} < 3.0$	Moderate
3	$0 \leq \text{PACBDEE} < 1.5$	Inactive

## Psychological Well-Being (1 DV)

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

**Variable Name:** PWBBDPWBB

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

**Previous usage:** None

**Description:** This scale, which assesses psychological well-being, is based on the proposed questions from Raymond Massé. Higher scores indicate greater well-being.

**Source:** Raymond Massé (Laval University)

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

### Temporary Reformats

Reformat	Explanation
If PWBB_01 <= 5 then PWBRQ01 = 5 – PWBB_01 If PWBB_02 <= 5 then PWBRQ02 = 5 – PWBB_02 If PWBB_03 <= 5 then PWBRQ03 = 5 – PWBB_03 If PWBB_04 <= 5 then PWBRQ04 = 5 – PWBB_04 If PWBB_05 <= 5 then PWBRQ05 = 5 – PWBB_05 If PWBB_06 <= 5 then PWBRQ06 = 5 – PWBB_06 If PWBB_07 <= 5 then PWBRQ07 = 5 – PWBB_07 If PWBB_08 <= 5 then PWBRQ08 = 5 – PWBB_08 If PWBB_09 <= 5 then PWBRQ09 = 5 – PWBB_09 If PWBB_10 <= 5 then PWBRQ10 = 5 – PWBB_10 If PWBB_11 <= 5 then PWBRQ11 = 5 – PWBB_11 If PWBB_12 <= 5 then PWBRQ12 = 5 – PWBB_12 If PWBB_13 <= 5 then PWBRQ13 = 5 – PWBB_13 If PWBB_14 <= 5 then PWBRQ14 = 5 – PWBB_14 If PWBB_15 <= 5 then PWBRQ15 = 5 – PWBB_15 If PWBB_16 <= 5 then PWBRQ16 = 5 – PWBB_16 If PWBB_17 <= 5 then PWBRQ17 = 5 – PWBB_17 If PWBB_18 <= 5 then PWBRQ18 = 5 – PWBB_18 If PWBB_19 <= 5 then PWBRQ19 = 5 – PWBB_19 If PWBB_20 <= 5 then PWBRQ20 = 5 – PWBB_20 If PWBB_21 <= 5 then PWBRQ21 = 5 – PWBB_21 If PWBB_22 <= 5 then PWBRQ22 = 5 – PWBB_22 If PWBB_23 <= 5 then PWBRQ23 = 5 – PWBB_23 If PWBB_24 <= 5 then PWBRQ24 = 5 – PWBB_24 If PWBB_25 <= 5 then PWBRQ25 = 5 – PWBB_25	Reverse code all responses so that higher scores reflect higher levels of well-being.  Change the scale from 1-5 to 0-4 so the summed scale will range from 0 to 100.



Value of PWBBDPWB	Condition (s)	Explanation
NS	(PWBB_01 = DK, R, NS) or (PWBB_02 = DK, R, NS) or (PWBB_03 = DK, R, NS) or (PWBB_04 = DK, R, NS) or (PWBB_05 = DK, R, NS) or (PWBB_06 = DK, R, NS) or (PWBB_07 = DK, R, NS) or (PWBB_08 = DK, R, NS) or (PWBB_09 = DK, R, NS) or (PWBB_10 = DK, R, NS) or (PWBB_11 = DK, R, NS) or (PWBB_12 = DK, R, NS) or (PWBB_13 = DK, R, NS) or (PWBB_14 = DK, R, NS) or (PWBB_15 = DK, R, NS) or (PWBB_16 = DK, R, NS) or (PWBB_17 = DK, R, NS) or (PWBB_18 = DK, R, NS) or (PWBB_19 = DK, R, NS) or (PWBB_20 = DK, R, NS) or (PWBB_21 = DK, R, NS) or (PWBB_22 = DK, R, NS) or (PWBB_23 = DK, R, NS) or (PWBB_24 = DK, R, NS) or (PWBB_25 = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.
PWBRQ01 + PWBRQ02 + PWBRQ03 + PWBRQ04 + PWBRQ05 + PWBRQ06 + PWBRQ07 + PWBRQ08 + PWBRQ09 + PWBRQ10 + PWBRQ11 + PWBRQ12 + PWBRQ13 + PWBRQ14 + PWBRQ15 + PWBRQ16 + PWBRQ17 + PWBRQ18 + PWBRQ19 + PWBRQ20 + PWBRQ21 + PWBRQ22 + PWBRQ23 + PWBRQ24 + PWBRQ25  (min: 0; max: 100)	1 <= PWBB_01 <= 5 and 1 <= PWBB_02 <= 5 and 1 <= PWBB_03 <= 5 and 1 <= PWBB_04 <= 5 and 1 <= PWBB_05 <= 5 and 1 <= PWBB_06 <= 5 and 1 <= PWBB_07 <= 5 and 1 <= PWBB_08 <= 5 and 1 <= PWBB_09 <= 5 and 1 <= PWBB_10 <= 5 and 1 <= PWBB_11 <= 5 and 1 <= PWBB_12 <= 5 and 1 <= PWBB_13 <= 5 and 1 <= PWBB_14 <= 5 and 1 <= PWBB_15 <= 5 and 1 <= PWBB_16 <= 5 and 1 <= PWBB_17 <= 5 and 1 <= PWBB_18 <= 5 and 1 <= PWBB_19 <= 5 and 1 <= PWBB_20 <= 5 and 1 <= PWBB_21 <= 5 and 1 <= PWBB_22 <= 5 and 1 <= PWBB_23 <= 5 and 1 <= PWBB_24 <= 5 and 1 <= PWBB_25 <= 5	Respondent's score on the psychological well-being scale.  Higher values indicate higher well-being.

## Distress (3 DVs)

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

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

Mental disorders or problems found in the CCHS 1.2 are operationalized to partially meet the DSM-IV or DSM-III-R definitions/classification.

### Temporary Reformats

Reformat	Explanation
If DISB_10A <= 5 then DISRQ01A = 5 – DISB_10A If DISB_10B <= 5 then DISRQ01B = 5 – DISB_10B If DISB_10C <= 5 then DISRQ01C = 5 – DISB_10C If DISB_10D <= 5 then DISRQ01D = 5 – DISB_10D If DISB_10E <= 5 then DISRQ01E = 5 – DISB_10E If DISB_10F <= 5 then DISRQ01F = 5 – DISB_10F If DISB_10G <= 5 then DISRQ01G = 5 – DISB_10G If DISB_10H <= 5 then DISRQ01H = 5 – DISB_10H If DISB_10I <= 5 then DISRQ01I = 5 – DISB_10I If DISB_10J <= 5 then DISRQ01J = 5 – DISB_10J	Rescale and invert the answers for questions DISB_10A to DISB_10J from 1 to 5 to 4 to 0 so that 0 = None of the time and 4 = all of the time.

### 1) Distress Scale – K6

**Variable name:** DISBDK6

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

**Previous Usage:**

CCHS Cycle 1.1: DISADDS

NPHS Cycle 4: MHC0DDS

NPHS Cycle 3: MHC8DDS

NPHS Cycle 2: MHC6DDS

NPHS Cycle 1: MHC4DDS (*formerly DVMHDS94*)

**Description:** The following variable determines the respondent's level of distress using six questions. Higher scores indicate more distress.

**Note:** DISBDK6 is identical to the distress scale of the earlier CCHS 1.1 and NPHS surveys. It was renamed here to distinguish it from the K10.

**Internet Site:** National Comorbidity Survey: [www.hcp.med.harvard.edu/ncs/](http://www.hcp.med.harvard.edu/ncs/)

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

Value of DISBDK6	Condition(s)	Explanation
NS	(DISB_10B = DK, R, NS) or (DISB_10D = DK, R, NS) or (DISB_10E = DK, R, NS) or (DISB_10H = DK, R, NS) or (DISB_10I = DK, R, NS) or (DISB_10J = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

DISRQ01B + DISRQ01D + DISRQ01E + DISRQ01H + DISRQ01I + DISRQ01J  (min: 0; max: 24)	DISRQ01B <= 4 and DISRQ01D <= 4 and DISRQ01E <= 4 and DISRQ01H <= 4 and DISRQ01I <= 4 and DISRQ01J <= 4	Score obtained by the respondent on the Distress scale – K6. Higher scores indicate more distress.
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## 2) Distress Scale – K10

**Variable name:** DISBDDSX

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

**Previous Usage:** None

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

**Note:** DISBDDSX is similar to the distress scale of CCHS 1.1 and previous NPHS surveys. This derived variable is based on 10 items and is known as the K10.

**Internet Site:** National Comorbidity Survey: [www.hcp.med.harvard.edu/ncs/](http://www.hcp.med.harvard.edu/ncs/)

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

Value of DISBDDSX	Condition(s)	Explanation
NS	(DISB_10A = DK, R, NS) or (DISB_10B = DK, R, NS) or (DISB_10C = DK, R, NS) or (DISB_10D = DK, R, NS) or (DISB_10E = DK, R, NS) or (DISB_10F = DK, R, NS) or (DISB_10G = DK, R, NS) or (DISB_10H = DK, R, NS) or (DISB_10I = DK, R, NS) or (DISB_10J = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
DISRQ01A + DISRQ01B + DISRQ01C + DISRQ01D + DISRQ01E + DISRQ01F + DISRQ01G + DISRQ01H + DISRQ01I + DISRQ01J  (min: 0; max: 40)	DISRQ01A <= 4 and DISRQ01B <= 4 and DISRQ01C <= 4 and DISRQ01D <= 4 and DISRQ01E <= 4 and DISRQ01F <= 4 and DISRQ01G <= 4 and DISRQ01H <= 4 and DISRQ01I <= 4 and DISRQ01J <= 4	Score obtained by the respondent on the Distress scale – K10. Higher scores indicate more distress.

### 3) Chronicity of Distress and Impairment Scale

**Variable name:** DISBDCHR

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

**Previous Use:**

CCHS 1.1: DISADCH

NPHS Cycle 4: MHC0DCH

NPHS Cycle 3: MHC8DCH

NPHS Cycle 2: MHC6DCH

NPHS Cycle 1: *MHC4DCH (formerly DVMHCH94)*

**Description:** Paired with the distress score (DISB\_10A, DISB\_10B, DISB\_10C, DISB\_10D, DISB\_10E, DISB\_10F, DISB\_10G, DISB\_10H, DISB\_10I, DISB\_10J) are the variables DISB\_10K, DISB\_10L, DISB\_10M that assess chronicity of distress and impairment associated with distress in the past month.

**Note:** This variable has exactly the same operationalization as CCHS 1.1's DISADCH. However, because the reference feelings now refer to 10 variables rather than 6 variables used in CCHS 1.1 and previous NPHS, it has been renamed.

**Internet Site:** National Comorbidity Survey: [www.hcp.med.harvard.edu/ncs/](http://www.hcp.med.harvard.edu/ncs/)

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

Value of DISBDCHR	Condition(s)	Explanation
NS	(DISB_10K = DK, R, NS) or (DISB_10L = DK, R, NS) or (DISB_10M = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
1	DISB_10L = 1	A lot more than usual
2	DISB_10L = 2	Somewhat more than usual
3	DISB_10L = 3	A little more than usual
4	DISB_10K = 3	About the same as usual
5	DISB_10M = 3	A little less than usual
6	DISB_10M = 2	Somewhat less than usual
7	DISB_10M = 1	A lot less than usual
8	DISB_10K = 4	Never had any

## **Major Depressive Episode (51 DVs)**

For the purpose of CCHS 1.2 – Mental Health and Well-being, major depressive episode is a period of 2 weeks or more with persistent depressed mood and loss of interest or pleasure in normal activities, accompanied by symptoms such as decreased energy, changes in sleep and appetite, impaired concentration, and feelings of guilt, hopelessness, or suicidal thoughts.

The questions on major depressive episode are based on a recognized World Mental Health version of the Composite International Diagnostic Interview (WMH-CIDI) modified for the needs of CCHS 1.2. The WMH-CIDI instrument, as part of the WMH2000 Project (World Mental Health 2000) is a World Health Organization worldwide initiative to assess the prevalence rates of various mental disorders in multiple countries.

The WMH-CIDI is a standardized instrument for assessment of mental disorders and conditions according to an operationalization of the definitions and criteria of DSM-IV and ICD-10. DSM refers to the Diagnostic and Statistical Manual of Mental Disorders used by the American Psychiatric Association. It is an internationally recognized classification of mental disorders with several versions. Mental conditions or problems found in the CCHS 1.2 are partially coded either to DSM-IV or DSM-III-R. CCHS 1.2 does not support the ICD-10 algorithms.

The WMH2000 Project supported several versions of the Computer-Assisted Personal Interview (CAPI) and Paper and Pencil Personal Interview (PAPI) WMH-CIDI instrument. The Project has already established a working group that will be examining the methodological differences to ensure that international comparison is done appropriately. Major depressive episode is one of five conditions in the WMH2000 Project that are assessed in this survey. Both lifetime and past year diagnoses are assessed. Past year episode refers to the 12 months preceding the interview.

As part of its support documentation, CCHS 1.2 is providing information on all temporary and interim derived variables used to compute the final derived variables of lifetime and past 12-month profiled conditions. For most users, the final derived variables in addition to the derived variables pertaining to recency, duration, onset and interference will be sufficient to conduct analyses.

For Major Depressive Episode, the variables of primary interest are:

Variable	Concept	Variable Number
DEPBDDPS	Lifetime algorithm	11
DEPBDDY	Past 12-month algorithm	24
DEPBDON	Onset	18
DEPBDREC	Recency	19
DEPBDPER	Persistence	20
DEPBD22Y DEPBD23Y DEPBD7CY DEPBD8AY DEPBD8BY	Duration	12 - 17

DEPBD3AY		
DEPBDINT	Past 12-month interference	29
DEPBDFSLT DEPBDFSYT DEPBFSLA DEPBFSYA	Suicide	25 - 28

The criteria used to derive the final variables for this current profiled mental condition along with their respective temporary and interim variables are operationalized to partially meet the DSM-IV definitions/classification. While the questionnaire and the algorithms are based on worldwide recognised approaches and classification, this method can not be used to clinically diagnose individuals with this profiled condition. Only professionally trained medical staff can do this.

The CCHS 1.2 instrument collects a wealth of information pertaining to this specific mental health condition such as number of symptoms and their overall severity, duration, and intensity; however, the structured approach used by the computerized instrument is not designed to collect some of the more complex information used by professionally trained staff to make a final diagnosis according to the DSM-IV classification. For example, there are no algorithms available to support the creation of derived variables pertaining to the subtypes or specifiers relevant to the disorder. Also, although the instrument does collect some information used for the operationalization of the organic/physical exclusions and the hierarchical ruling, STC recommends that this information be used by DSM experts in light of its complex nature.

In addition to information on mental conditions, the WMH-CIDI instrument also collects information on many important correlates of mental health such as health care service utilization and support. The CCHS 1.2 data collected on mental health correlates is not based on the WMH-CIDI instrument. Although international comparison on such data is important, Statistics Canada, in discussion with its stakeholders, decided that the CCHS 1.2 data should support and complement the Canadian information already available from CCHS 1.1 and other past NPHS cycles.

To facilitate comparison to the DSM, the criteria are more or less itemized in the way they appear in the DSM-IV. This correspondence is only used here to provide a common language that should ease the interpretation of the results. However, it would be inappropriate to assume a direct correspondence between our criteria and the DSM-IV criteria given the operational limitations associated with the questionnaire and the algorithm in addition to the complex nature of the topic.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI lifetime criteria associated with major depressive episode, reported:

1. a period of two weeks or more with depressed mood or loss of interest or pleasure AND at least five additional symptoms;
2. clinically significant distress or social or occupational impairment; and
3. the symptoms are not better accounted for by bereavement.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI 12-month criteria associated with major depressive episode:

1. meet the criteria for lifetime diagnosis of major depressive episode;
2. report a 12-month episode; and
3. report marked impairment in occupational or social functioning.

## Major Depressive Episode – Lifetime

### 1) Major Depressive Episode - Lifetime Criterion A, Part 1

**Variable name:** DEPBDA1

**Based on:** DEPB\_09, DEPB\_12, DEPB\_24A, DEPB\_24B, DEPB\_24C, DEPB\_24D, DEPB\_24E, DEPB\_24F

**Previous Usage:** None

**Description:** This variable identifies respondents who reported lifetime depressive symptoms that have been present during the same two-week period and at least one of the symptoms is either:

1. depressed mood or
2. loss of interest or pleasure.

Value of DEPBDA1	Condition(s)	Explanation
1	(DEPB_09 = 1 or DEPB_12 = 1) and (DEPB_24A = 1 or DEPB_24B = 1 or DEPB_24C = 1 or DEPB_24D = 1 or DEPB_24E = 1 or DEPB_24F = 1)	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 1.  Respondent reported that symptoms were present during the same 2-week period and at least one of the symptoms was either depressed mood or loss of interest or pleasure.
2	(DEPB_09 = 2, NA) and (DEPB_12 = 2, NA) or (DEPB_24A = 2, NA) and (DEPB_24C = 2, NA) and (DEPB_24E = 2, NA) and (DEPB_24F = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 1.  Respondent did not report that symptoms were present during the same 2-week period and at least one of the symptoms was either depressed mood or loss of interest or pleasure.
NS	(DEPB_09 = DK, R, NS) or (DEPB_12 = DK, R, NS) or (DEPB_24A = DK, R, NS) or (DEPB_24B = DK, R, NS) or (DEPB_24C = DK, R, NS) or (DEPB_24D = DK, R, NS) or (DEPB_24E = DK, R, NS) or (DEPB_24F = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

### 2) Major Depressive Episode - Lifetime Criterion A, Part 2

**Variable name:** DEPBDA2

**Based on:** DEPBDA21, DEPBDA22, DEPBDA23, DEPBDA24, DEPBDA25, DEPBDA26, DEPBDA27, DEPBDA28, DEPBDA29

**Previous Usage:** None

**Description:** This variable identifies whether respondents reported at least five of nine symptoms associated with depression. These symptoms need to represent a change from previous functioning. The symptoms are:

1. depressed mood;
2. diminished interest in hobbies or activities;
3. significant weight loss/gain or change in appetite;
4. insomnia or hypersomnia;
5. psychomotor agitation or retardation;
6. fatigue or loss of energy;
7. feelings of worthlessness;

8. diminished ability to think or concentrate; and
9. recurrent thoughts of death.

These symptoms are calculated below and then used to assess the criterion.

## 2a) Symptom 1 – Depressed Mood

**Variable name:** DEPBDA21

**Based on:** DEPB\_24A, DEPB\_24B, DEPB\_24C, DEPB\_24D

**Previous Usage:** None

**Description:** This variable identifies respondents who reported depressed mood most of the day.

Value of DEPBDA21	Condition(s)	Explanation
1	DEPB_24A = 1 or DEPB_24B = 1 or DEPB_24C = 1 or DEPB_24D = 1	Respondent reported depressed mood.
2	(DEPB_24A = 2, NA) and (DEPB_24C = 2, NA)	Respondent did not report depressed mood.  Notes: DEPB_24B and DEPB_24D skipped if DEPB_24A and DEPB_24C = No.
NS	(DEPB_24A = DK, R, NS) or (DEPB_24B = DK, R, NS) or (DEPB_24C = DK, R, NS) or (DEPB_24D = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 2b) Symptom 2 – Diminished Interest or Pleasure in Most Activities

**Variable name:** DEPBDA22

**Based on:** DEPB\_24E, DEPB\_24F

**Previous Usage:** None

**Description:** This variable identifies respondents who reported markedly diminished interest or pleasure in all, or almost all, activities or hobbies most of the day, nearly every day.

Value of DEPBDA22	Condition(s)	Explanation
1	DEPB_24E = 1 or DEPB_24F = 1	Respondent reported diminished interest or pleasure in most activities.
2	(DEPB_24E = 2, NA) and (DEPB_24F = 2, NA)	Respondent did not report diminished interest or pleasure in most activities.
NS	(DEPB_24E = DK, R, NS) or (DEPB_24F = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.



**2c) Symptom 3 – Significant Weight Loss/Gain or Change in Appetite****Variable name:** DEPBDA23**Based on:** DEPB\_26A, DEPB\_26B, DEPB\_26C, DEPB\_261, DEPB\_26D, DEPB\_262, DEPB\_26E, DEPB\_263, DEPB\_26F, DEPB\_264**Previous Usage:** None**Description:** This variable identifies respondents who reported a significant weight loss when not dieting or weight gain, or decrease or increase in appetite nearly every day. A significant weight change is defined as 10 pounds/4 kg. Weight gain due to pregnancy and weight loss due to illness are excluded.

Value of DEPBDA23	Condition(s)	Explanation
1	DEPB_26A = 1 or DEPB_26B = 1 or (DEPB_26C = 1 and DEPB_261 = 2 and 10 <= DEPB_26D <= 300 and DEPB_262 = 1) or (DEPB_26C = 1 and DEPB_261 = 2 and 4 <= DEPB_26D <= 300 and DEPB_262 = 2) or (DEPB_26E = 1 and DEPB_263 = 2 and 10 <= DEPB_26F <= 300 and DEPB_264 = 1) or (DEPB_26E = 1 and DEPB_263 = 2 and 4 <= DEPB_26F <= 300 and DEPB_264 = 2)	Respondent reported significant weight loss or gain or a change in appetite.
2	(DEPB_26A = 2, NA) and (DEPB_26B = 2, NA) and [(DEPB_26C = 2, NA) and (DEPB_26E = 2, NA) or DEPB_261 = 1 or (DEPB_26D < 10 and DEPB_262 = 1) or (DEPB_26D < 4 and DEPB_262 = 2) or DEPB_263 = 1 or (DEPB_26F < 10 and DEPB_264 = 1) or (DEPB_26F < 4 and DEPB_264 = 2)]	Respondent did not report significant weight loss or gain or a change in appetite.
NS	(DEPB_26A = DK, R, NS) or (DEPB_26B = DK, R, NS) or (DEPB_26C = DK, R, NS) or (DEPB_261 = DK, R, NS) or (DEPB_26D = DK, R, NS) or (DEPB_26E = DK, R, NS) or (DEPB_263 = DK, R, NS) or (DEPB_26F = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**2d) Symptom 4 – Insomnia or Hypersomnia****Variable name:** DEPBDA24**Based on:** DEPB\_26G, DEPB\_26H**Previous Usage:** None**Description:** This variable identifies respondents who reported insomnia (trouble falling asleep, staying asleep or waking too early) or hypersomnia (sleeping more than usual) associated with depression.

Value of DEPBDA24	Condition(s)	Explanation
1	DEPB_26G = 1 or DEPB_26H = 1	Respondent reported insomnia or hypersomnia.
2	(DEPB_26G = 2, NA) and (DEPB_26H = 2, NA)	Respondent did not report insomnia or hypersomnia.
NS	(DEPB_26G = DK, R, NS) or (DEPB_26H = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**2e) Symptom 5 – Psychomotor Agitation or Retardation****Variable name:** DEPBDA25**Based on:** DEPB\_26M, DEPB\_26O**Previous Usage:** None**Description:** This variable identifies respondents who reported psychomotor agitation (e.g. restlessness) or retardation (e.g. talking or moving slowly) that is observable by others.

Value of DEPBDA25	Condition(s)	Explanation
1	DEPB_26M = 1 or DEPB_26O = 1	Respondent reported psychomotor agitation or retardation.
2	(DEPB_26M = 2, NA) and (DEPB_26O = 2, NA)	Respondent did not report psychomotor agitation and retardation.
NS	(DEPB_26M = DK, R, NS) or (DEPB_26O = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**2f) Symptom 6 – Fatigue or Loss of Energy****Variable name:** DEPBDA26**Based on:** DEPB\_26J**Previous Usage:** None**Description:** This variable identifies respondents who reported fatigue or loss of energy nearly every day.

Value of DEPBDA26	Condition(s)	Explanation
1	DEPB_26J = 1	Respondent reported fatigue or loss of energy.
2	(DEPB_26J = 2, NA)	Respondent did not report fatigue and loss of energy.
NS	(DEPB_26J = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**2g) Symptom 7 – Feelings of Worthlessness****Variable name:** DEPBDA27**Based on:** DEPB\_26V**Previous Usage:** None**Description:** This variable identifies respondents who reported feelings of worthlessness nearly every day.

Value of DEPBDA27	Condition(s)	Explanation
1	DEPB_26V = 1	Respondent reported feelings of worthlessness.
2	(DEPB_26V = 2, NA)	Respondent did not report feelings of worthlessness.
NS	(DEPB_26V = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**2h) Symptom 8 – Diminished Ability to Think or Concentrate****Variable name:** DEPBDA28**Based on:** DEPB\_26P, DEPB\_26R, DEPB\_26S**Previous Usage:** None**Description:** This variable identifies respondents who reported diminished ability to think or concentrate nearly every day.

Value of DEPBDA28	Condition(s)	Explanation
1	DEPB_26P = 1 or DEPB_26R = 1 or DEPB_26S = 1	Respondent reported diminished ability to think or concentrate.
2	(DEPB_26P = 2, NA) and (DEPB_26R = 2, NA) and (DEPB_26S = 2, NA)	Respondent did not report diminished ability to think and concentrate.
NS	(DEPB_26P = DK, R, NS) or (DEPB_26R = DK, R, NS) or (DEPB_26S = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**2i) Symptom 9 – Recurrent Thoughts of Death****Variable name:** DEPBDA29**Based on:** DEPB\_6A, DEPB\_6B, DEPB\_6C**Previous Usage:** None**Description:** This variable identifies respondents who reported recurrent thoughts of death.

Value of DEPBDA29	Condition(s)	Explanation
1	DEPB_6A = 1 or DEPB_6B = 1 or DEPB_6C = 1	Respondent reported recurrent thoughts of death.
2	(DEPB_6A = 2, NA) and (DEPB_6B = 2, NA) and (DEPB_6C = 2, NA)	Respondent did not report recurrent thoughts of death.
NS	(DEPB_6A = DK, R, NS) or (DEPB_6B = DK, R, NS) or (DEPB_6C = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**Assessing Criterion A, Part 2:**

Value of DEPBDA2	Condition(s)	Explanation
1	At least 5 of (DEPBDA21, DEPBDA22, DEPBDA23, DEPBDA24, DEPBDA25, DEPBDA26, DEPBDA27, DEPBDA28 or DEPBDA29) = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 2.  Respondent reported at least five symptoms associated with depression which represent a change from previous functioning.
2	At least 5 of (DEPBDA21, DEPBDA22, DEPBDA23, DEPBDA24, DEPBDA25, DEPBDA26, DEPBDA27, DEPBDA28 or DEPBDA29) = 2	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 2.  Respondent did not report at least five symptoms associated with depression.
NS	DEPBDA21 = NS or DEPBDA22 = NS or DEPBDA23 = NS or DEPBDA24 = NS or DEPBDA25 = NS or DEPBDA26 = NS or DEPBDA27 = NS or DEPBDA28 = NS or DEPBDA29 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

**3) Major Depressive Episode - Lifetime Criterion A (Parts 1 and 2 Combined)****Variable name:** DEPBDA**Based on:** DEPBDA1, DEPBDA2**Previous Usage:** None**Description:** This variable identifies whether the respondent meets lifetime Criterion A of the CCHS1.2/WMH-CIDI algorithm. The criterion is met if the respondent reported:

1. a period of two weeks or longer of depressed mood or loss of interest or pleasure; and
2. at least five symptoms associated with depression which represents a change in functioning.

Value of DEPBDA	Condition(s)	Explanation
1	DEPBDA1 = 1 and DEPBDA2 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A.  Respondent reported a period of two weeks or longer of depressed mood or loss of interest or pleasure and at least five symptoms associated with depression.
2	DEPBDA1 = 2 or DEPBDA2 = 2	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion A.  Respondent did not report a period of two weeks or longer of depressed mood or loss of interest or pleasure, or did not report five symptoms associated with depression.

NS	DEPBDA1 = NS or DEPBDA2 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.
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#### 4) Major Depressive Episode - Lifetime Criterion C, Part 1

**Variable name:** DEPBDC1

**Based on:** DEPB\_17, DEPB\_18, DEPB\_19, DEPB\_24B

**Previous Usage:** None

**Description:** This variable identifies respondents who reported that their lifetime depressive symptoms caused clinically significant distress.

Value of DEPBDC1	Condition(s)	Explanation
1	(DEPB_17 = 2, 3, 4) or (DEPB_18 = 1, 2) or (DEPB_19 = 1, 2, 3) or DEPB_24B = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion C, Part 1.  Respondent reported that the symptoms cause clinically significant distress.
2	(DEPB_17 = 1, NA) and (DEPB_18 = 3, 4, NA) and (DEPB_19 = 4, NA) and (DEPB_24B = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion C, Part 1.  Respondent did not report that the symptoms cause clinically significant distress.
NS	(DEPB_17 = DK, R, NS) or (DEPB_18 = DK, R, NS) or (DEPB_19 = DK, R, NS) or (DEPB_21 = DK, R, NS) or (DEPB_24B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

#### 5) Major Depressive Episode - Lifetime Criterion C, Part 2

**Variable name:** DEPBDC2

**Based on:** DEPB\_19, DEPB\_28, DEPB\_281, DEPB\_28A, DEPB\_68, DEPB664

**Previous Usage:** None

**Description:** This variable identifies respondents who reported that their lifetime depressive symptoms caused impairment in social, occupational or other important areas of functioning.

##### 5a) Social and Occupational Interference

**Variable name:** DEPB664

**Based on:** DEPB\_66A, DEPB\_661, DEPB\_662, DEPB\_66C, DEPB\_66D

**Previous Usage:** None

**Description:** This variable identifies whether, during the period of a month or longer in the 12 months prior to the interview when the symptoms were most severe, the respondent's depressive feelings significantly interfered with their home responsibilities, responsibilities at school or work, his/her ability to form and maintain close relationships, or his/her social life.

Value of DEPB664	Condition(s)	Explanation
1	4 <= DEPB_66A <= 10 or 4 <= DEPB_661 <= 10 or 4 <= DEPB_662 <= 10 or 4 <= DEPB_66C <= 10 or 4 <= DEPB_66D <= 10	The respondent experienced significant interference in home, work, or school responsibilities, or his/her ability to form and maintain close relationships, or his/her social life.
2	[0 <= DEPB_66A <= 3 or DEPB_66A = NA] and [0 <= DEPB_661 <= 3 or (DEPB_661 = 11, NA)] and [0 <= DEPB_662 <= 3 or (DEPB_662 = 11, NA)] and [0 <= DEPB_66C <= 3 or DEPB_66C = NA] and [0 <= DEPB_66D <= 3 or DEPB_66D = NA]	The respondent did not experience significant interference with home, work, and school responsibilities and his/her ability to form and maintain close relationships and in their social life.
NS	(DEPB_66A = DK, R, NS) or (DEPB_661 = DK, R, NS) or (DEPB_662 = DK, R, NS) or (DEPB_66C = DK, R, NS) or (DEPB_66D = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**Assessing Criterion C, Part 2:**

Value of DEPBDC2	Condition(s)	Explanation
1	(DEPB_19 = 1, 2, 3) or (DEPB_28 = 3, 4, 5) or (DEPB_281 = 3, 4, 5) or (DEPB_28A = 1, 2, 3) or DEPB664 = 1 or 5 <= DEPB_68 < NA	Respondent meets lifetime Criterion C, Part 2.  Respondent reported the symptoms caused impairment in social, occupational or other important areas of functioning.
2	(DEPB_19 = 4, NA) and (DEPB_28 = 1 or DEPB_281 = 1 or DEPB_28 = 2 and DEPB_28A = 4 or DEPB_281 = 2 and DEPB_28A = 4 or DEPB_28 = NA and DEPB_281 = NA) and [((DEPB_38 = 2, NA) or DEPB664 = 2) and (0 <= DEPB_68 < 5 or DEPB_68 = NA)]	Respondent does not meet lifetime Criterion C, Part 2.  Respondent did not report impairment in social, occupational nor other important areas of functioning.
NS	(DEPB_19 = DK, R, NS) or (DEPB_28 = DK, R, NS) or (DEPB_281 = DK, R, NS) or (DEPB_28A = DK, R, NS) or DEPB664 = NS or (DEPB_68 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation or respondent has a non-response (not stated) value in the derived variable required for calculation.

## 6) Major Depressive Episode - Lifetime Criterion C (Parts 1 and 2 Combined)

**Variable name:** DEPBDC

**Based on:** DEPBDC1, DEPBDC2

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets Criterion C of the CCHS 1.2/WMH-CIDI algorithm for lifetime episode. The criterion is met if the respondent reported:

1. the symptoms caused clinically significant distress; or
2. the symptoms caused impairment in social, occupational or other important areas of functioning.

Value of DEPBDC	Condition(s)	Explanation
1	DEPBDC1 = 1 or DEPBDC2 = 1	Respondent meets lifetime Criterion C.  Respondent reported the symptoms caused clinically significant distress or impairment.
2	DEPBDC1 = 2 and DEPBDC2 = 2	Respondent does not meet Criterion C.  Respondent did not report the symptoms caused clinically significant distress or impairment.
NS	DEPBDC1 = NS or DEPBDC2 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 7) Major Depressive Episode- Lifetime Criterion E, Part 1

**Variable name:** DEPBDE1

**Based on:** DEPB\_30, DEPB\_30A

**Previous Usage:** None

**Description:** Criterion E, part 1 is that the lifetime major depressive episodes were not always accounted for by bereavement (e.g. preceded by the death of someone close). This variable identifies respondents who reported that their symptoms were not always preceded by the death of someone close.

Value of DEPBDE1	Condition(s)	Explanation
1	DEPB_30 = 2 or DEPB_30A = 2	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion E, Part 1.  Respondent did not report that symptoms were always associated with bereavement.
2	(DEPB_30A = 1, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion E, Part 1.  Respondent reported symptoms were always associated with bereavement or were not asked the questions.

NS	(DEPB_30 = DK, R, NS) or (DEPB_30A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
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## 8) Major Depressive Episode - Lifetime Criterion E, Part 2

**Variable name:** DEPBDE2

**Based on:** DEPBDE21, DEPBDE22, DEPBDE23, DEPBDE24, DEPBDE25, DEPBDE26

**Previous Usage:** None

**Description:** Criterion E, part 2 is that if a bereavement exists, people who are suffering from a major depressive episode (and not bereavement) will have the symptoms last longer than two months. This variable identifies respondents who reported a lifetime depressive episode that lasted more than two months. To assess this, a variable is first created for each episode (e.g. worst, first, 12-month, most recent, longest) to determine whether it exceeded two months.

### 8a) Worst Depressive Episode Longer Than Two Months

**Variable name:** DEPBDE21

**Based on:** DEPB\_22B, DEPB\_22C, DEPB\_22D, DEPB\_22E

**Previous Usage:** None

**Description:** This variable identifies respondents who reported a worst depressive episode that lasted longer than two months.

Value of DEPBDE21	Condition(s)	Explanation
1	(DEPB_22B = 1 and 60 < DEPB_22C <= 900) or (DEPB_22B = 2 and 8 < DEPB_22D <= 104) or (DEPB_22B = 3 and 2 < DEPB_22E <= 36) or DEPB_22B = 4	Respondent reported a worst depressive episode lasting longer than two months.
2	(DEPB_22B = 1 and 0 <= DEPB_22C <= 60) or (DEPB_22B = 2 and 0 <= DEPB_22D <= 8) or (DEPB_22B = 3 and 0 <= DEPB_22E <= 2) or DEPB_22B = NA	Respondent did not report a worst depressive episode lasting longer than two months.
NS	(DEPB_22B = DK, R, NS) or (DEPB_22C = DK, R, NS) or (DEPB_22D = DK, R, NS) or (DEPB_22E = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.



**8b) Most Recent Depressive Episode Longer Than Two Months****Variable name:** DEPBDE22**Based on:** DEPB\_23B, DEPB\_23C, DEPB\_23D, DEPB\_23E**Previous Usage:** None**Description:** This variable identifies respondents who reported a most recent depressive episode lasting longer than two months.

Value of DEPBDE22	Condition(s)	Explanation
1	(DEPB_23B = 1 and 60 < DEPB_23C <= 900) or (DEPB_23B = 2 and 8 < DEPB_23D <= 104) or (DEPB_23B = 3 and 2 < DEPB_23E <= 36) or DEPB_23B = 4	Respondent reported a most recent depressive episode lasting longer than two months.
2	(DEPB_23B = 1 and 0 <= DEPB_23C <= 60) or (DEPB_23B = 2 and 0 <= DEPB_23D <= 8) or (DEPB_23B = 3 and 0 <= DEPB_23E <= 2) or DEPB_23B = NA	Respondent did not report a most recent depressive episode lasting longer than two months.
NS	(DEPB_23B = DK, R, NS) or (DEPB_23C = DK, R, NS) or (DEPB_23D = DK, R, NS) or (DEPB_23E = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**8c) First Depressive Episode Longer Than Two Months****Variable name:** DEPBDE23**Based on:** DEPB\_7CA, DEPB\_7CB, DEPB\_7CC, DEPB\_7CD**Previous Usage:** None**Description:** This variable identifies respondents who reported a very first depressive episode lasting longer than two months.

Value of DEPBDE23	Condition(s)	Explanation
1	(DEPB_7CA = 1 and 60 < DEPB_7CB <= 900) or (DEPB_7CA = 2 and 8 < DEPB_7CC <= 104) or (DEPB_7CA = 3 and 2 < DEPB_7CD <= 36) or DEPB_7CA = 4	Respondent reported a first depressive episode lasting longer than two months.
2	(DEPB_7CA = 1 and 0 <= DEPB_7CB <= 60) or (DEPB_7CA = 2 and 0 <= DEPB_7CC <= 8) or (DEPB_7CA = 3 and 0 <= DEPB_7CD <= 2) or DEPB_7CA = NA	Respondent did not report a first depressive episode lasting longer than two months.
NS	(DEPB_7CA = DK, R, NS) or (DEPB_7CB = DK, R, NS) or (DEPB_7CC = DK, R, NS) or (DEPB_7CD = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**8d) Single 12-Month Depressive Episode Longer Than Two Months****Variable name:** DEPBDE24**Based on:** DEPB\_8AA, DEPB\_8AB, DEPB\_8AC, DEPB\_8AD**Previous Usage:** None**Description:** This variable identifies respondents who reported a single 12-month depressive episode lasting longer than two months.

Value of DEPBDE24	Condition(s)	Explanation
1	(DEPB_8AA = 1 and 60 < DEPB_8AB ≤ 900) or (DEPB_8AA = 2 and 8 < DEPB_8AC ≤ 104) or (DEPB_8AA = 3 and 2 < DEPB_8AD ≤ 36) or DEPB_8AA = 4	Respondent reported a single 12-month depressive episode lasting longer than two months.
2	(DEPB_8AA = 1 and 0 ≤ DEPB_8AB ≤ 60) or (DEPB_8AA = 2 and 0 ≤ DEPB_8AC ≤ 8) or (DEPB_8AA = 3 and 0 ≤ DEPB_8AD ≤ 2) or DEPB_8AA = NA	Respondent did not report a single 12-month depressive episode lasting longer than two months.
NS	(DEPB_8AA = DK, R, NS) or (DEPB_8AB = DK, R, NS) or (DEPB_8AC = DK, R, NS) or (DEPB_8AD = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**8e) Most Recent 12 Month Depressive Episode Longer Than Two Months****Variable name:** DEPBDE25**Based on:** DEPB\_8BA, DEPB\_8BB, DEPB\_8BC, DEPB\_8BD**Previous Usage:** None**Description:** This variable identifies respondents who reported a most recent 12-month depressive episode lasting longer than two months.

Value of DEPBDE25	Condition(s)	Explanation
1	(DEPB_8BA = 1 and 60 < DEPB_8BB ≤ 900) or (DEPB_8BA = 2 and 8 < DEPB_8BC ≤ 104) or (DEPB_8BA = 3 and 2 < DEPB_8BD ≤ 36) or DEPB_8BA = 4	Respondent reported a most recent 12-month depressive episode lasting longer than two months.
2	(DEPB_8BA = 1 and 0 ≤ DEPB_8BB ≤ 60) or (DEPB_8BA = 2 and 0 ≤ DEPB_8BC ≤ 8) or (DEPB_8BA = 3 and 0 ≤ DEPB_8BD ≤ 2) or DEPB_8BA = NA	Respondent did not report a most recent 12-month depressive episode lasting longer than two months.
NS	(DEPB_8BA = DK, R, NS) or (DEPB_8BB = DK, R, NS) or (DEPB_8BC = DK, R, NS) or (DEPB_8BD = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**8f) Longest Depressive Episode Longer Than Two Months****Variable name:** DEPBDE26**Based on:** DEPB\_39A, DEPB\_39B, DEPB\_39C, DEPB\_39D**Previous Usage:** None**Description:** This variable identifies respondents who reported a longest major depressive episode lasting longer than two months.

Value of DEPBDE26	Condition(s)	Explanation
1	(DEPB_39A = 1 and 60 < DEPB_39B <= 900) or (DEPB_39A = 2 and 8 < DEPB_39C <= 104) or (DEPB_39A = 3 and 2 < DEPB_39D <= 36) or DEPB_39A = 4	Respondent reported a longest depressive episode lasting longer than two months.
2	(DEPB_39A = 1 and 0 <= DEPB_39B <= 60) or (DEPB_39A = 2 and 0 <= DEPB_39C <= 8) or (DEPB_39A = 3 and 0 <= DEPB_39D <= 2) or DEPB_39A = NA	Respondent did not report a longest depressive episode lasting longer than two months.
NS	(DEPB_39A = DK, R, NS) or (DEPB_39B = DK, R, NS) or (DEPB_39C = DK, R, NS) or (DEPB_39D = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**Assessing Criterion E, Part 2:**

Value of DEPBDE2	Condition(s)	Explanation
1	DEPBDE21 = 1 or DEPBDE22 = 1 or DEPBDE23 = 1 or DEPBDE24 = 1 or DEPBDE25 = 1 or DEPBDE26 = 1	Respondent meets lifetime Criterion E, Part 2.  Respondent reported a depressive episode lasting more than two months.
2	DEPBDE21 = 2 and DEPBDE22 = 2 and DEPBDE23 = 2 and DEPBDE24 = 2 and DEPBDE25 = 2 and DEPBDE26 = 2	Respondent does not meet lifetime Criterion E, Part 2.  Respondent did not report a depressive episode lasting more than two months.
NS	DEPBDE21 = NS or DEPBDE22 = NS or DEPBDE23 = NS or DEPBDE24 = NS or DEPBDE25 = NS or DEPBDE26 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 9) Major Depressive Episode - Lifetime Criterion E, Part 3

**Variable name:** DEPBDE3

**Based on:** DEPBDE3A, DEPBDE3B, DEPBDE3C, DEPBDE3E

**Previous Usage:** None

**Description:** Criterion E, part 3 is that if bereavement exists, people who are suffering from a major depressive episode (and not bereavement) will have lifetime symptoms that are characterized by:

1. a marked functional impairment;
2. a morbid preoccupation with worthlessness;
3. suicidal ideation; and
4. psychomotor retardation.

To assess this, variables are first created for the different components.

### 9a) Social and Occupational Interference

**Variable name:** DEPBD667

**Based on:** DEPB\_66A, DEPB\_661, DEPB\_662, DEPB\_66C, DEPB\_66D

**Previous Usage:** None

**Description:** This variable identifies respondents who reported that feelings associated with depression significantly interfered with home, school or work responsibilities, his/her ability to form and maintain close relationships, or his/her social life.

Value of DEPBD667	Condition(s)	Explanation
1	7 <= DEPB_66A <= 10 or 7 <= DEPB_661 <= 10 or 7 <= DEPB_662 <= 10 or 7 <= DEPB_66C <= 10 or 7 <= DEPB_66D <= 10	The respondent experienced significant interference in home, work, or school responsibilities, or his/her ability to form and maintain close relationships, or his/her social life.
2	(0 <= DEPB_66A <= NA or DEPB_66A = NA) and [0 <= DEPB_661 <= NA or (DEPB_661 = 11, NA)] and [0 <= DEPB_662 <= NA or (DEPB_662 = 11, NA)] and (0 <= DEPB_66C <= NA or DEPB_66C = NA) and (0 <= DEPB_66D <= NA or DEPB_66D = NA)	The respondent did not experience significant interference with home, work, and school responsibilities and his/her ability to form and maintain close relationships and in his/her social life..
NS	(DEPB_66A = DK, R, NS) or (DEPB_661 = DK, R, NS) or (DEPB_662 = DK, R, NS) or (DEPB_66C = DK, R, NS) or (DEPB_66D = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**9b) Functional Impairment****Variable name:** DEPBDE3A**Based on:** DEPB\_19, DEPB\_28, DEPB\_281, DEPB\_28A, DEPB667, DEPB\_68**Previous Usage:** None**Description:** This variable identifies respondents who reported a marked functional impairment associated with depression.

Value of DEPBDE3A	Condition(s)	Explanation
1	DEPB_19 = 1 or (DEPB_28 = 4, 5) or (DEPB_281 = 4, 5) or (DEPB_28A = 1, 2) or DEPB667 = 1 or 10 <= DEPB_68 < NA	Respondent reported marked functional impairment associated with depression.
2	(DEPB_19 = 2, 3, 4, NA) and ((DEPB_28 = 1 or (DEPB_28 = 2, 3) and (DEPB_28A = 3, 4)) or (DEPB_281 = 1 or (DEPB_281 = 2, 3) and (DEPB_28A = 3, 4)) or DEPB_28 = NA and DEPB_281 = NA) and DEPB667 = 2 and (DEPB_68 < 10 or DEPB_68 = NA)	Respondent did not report marked functional impairment associated with depression.
NS	(DEPB_19 = DK, R, NS) or (DEPB_28 = DK, R, NS) or (DEPB_281 = DK, R, NS) or (DEPB_28A = DK, R, NS) or (DEPB667 = DK, R, NS) or (DEPB_68 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation or respondent has a non-response (not stated) value in the derived variable required for calculation.

**9c) Preoccupation With Worthlessness****Variable name:** DEPBDE3B**Based on:** DEPB\_26V**Previous Usage:** None**Description:** This variable identifies respondents who reported preoccupation with worthlessness associated with depression.

Value of DEPBDE3B	Condition(s)	Explanation
1	DEPB_26V = 1	Respondent reported preoccupation with worthlessness.
2	(DEPB_26V = 2, NA)	Respondent did not report preoccupation with worthlessness.
NS	(DEPB_26V = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**9d) Suicidal Ideation****Variable name:** DEPBDE3C**Based on:** DEPB\_A**Previous Usage:** None**Description:** This variable identifies respondents who reported suicidal ideation.

Value of DEPBDE3C	Condition(s)	Explanation
1	DEPB_A = 1	Respondent reported suicidal ideation.
2	(DEPB_A = 2, NA)	Respondent did not report suicidal ideation.
NS	(DEPB_A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**9e) Psychomotor Retardation****Variable name:** DEPBDE3E**Based on:** DEPB\_26L, DEPB\_26M**Previous Usage:** None**Description:** This variable identifies respondents who reported psychomotor retardation associated with depression.

Value of DEPBDE3E	Condition(s)	Explanation
1	DEPB_26L = 1 or DEPB_26M = 1	Respondent reported psychomotor retardation.
2	(DEPB_26L = 2, NA)	Respondent did not report psychomotor retardation.  Note: If DEPB_26L is No (2), DEPB_26M is skipped
NS	(DEPB_26L = DK, R, NS) or (DEPB_26M = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**Assessing Criterion E, Part 3:**

Value of DEPBDE3	Condition(s)	Explanation
1	DEPBDE3A = 1 or DEPBDE3B = 1 or DEPBDE3C = 1 or DEPBDE3E = 1	Respondent meets lifetime Criterion E, Part 3.  Respondent reported a marked functional impairment; a preoccupation with worthlessness; suicidal ideation; or psychomotor retardation associated with depression.
2	DEPBDE3A = 2 and DEPBDE3B = 2 and DEPBDE3C = 2 and DEPBDE3E = 2	Respondent does not meet lifetime Criterion E, Part 3.  Respondent did not report a marked functional impairment; a preoccupation with worthlessness; suicidal ideation; nor psychomotor retardation.

NS	DEPBDE3A = NS or DEPBDE3B = NS or DEPBDE3C = NS or DEPBDE3E = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.
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## 10) Major Depressive Episode - Lifetime Criterion E (Parts 1, 2, 3 Combined)

**Variable name:** DEPBDE

**Based on:** DEPBDE1, DEPBDE2, DEPBDE3

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets lifetime Criterion E of the CCHS 1.2/WMH-CIDI algorithm. The criterion is met if the respondent reported:

1. that their depressive episodes were not all associated with bereavement (e.g. occurred just after someone close died); or
2. they experienced a depressive episode lasting longer than two months; or
3. an episode was characterised by a marked functional impairment, a preoccupation with worthlessness, suicidal ideation, or psychomotor retardation.

Value of DEPBDE	Condition(s)	Explanation
1	DEPBDE1 = 1 or DEPBDE2 = 1 or DEPBDE3 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion E.  Respondent reported (1) the episodes are not all associated with bereavement; or (2) the symptoms lasted more than two months; or (3) the symptoms are characterised by marked functional impairment, preoccupation with worthlessness, suicidal ideation, or psychomotor retardation.
2	DEPBDE1 = 2 and DEPBDE2 = 2 and DEPBDE3 = 2	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion E.  Respondent reported (1) bereavement; and (2) no episode lasting more than two months; and (3) the symptoms are not characterised by a marked functional impairment, morbid preoccupation with worthlessness, suicidal ideation, or psychomotor retardation.
NS	DEPBDE1 = NS or DEPBDE2 = NS or DEPBDE3 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 11) Major Depressive Episode - Lifetime Algorithm

**Variable name:** DEPBDDPS

**Based on:** DEPBDA, DEPBDC, DEPBDE

**Previous Usage:** None

**Description:** This is the final variable that identifies whether respondents meet or fail to meet the CCHS 1.2/WMH-CIDI criteria for lifetime major depressive episode. Respondents who meet the criteria reported:

1. two weeks or longer of depressed mood or loss of interest or pleasure and at least five symptoms associated with depression which represent a change in functioning;
2. that symptoms cause clinically significant distress or impairment in social, occupational or other important areas of functioning; and
3. that symptoms are not better accounted for by bereavement or symptoms last more than two months or the symptoms are characterised by a marked functional impairment, preoccupation with worthlessness, suicidal ideation, or psychomotor retardation.

Value of DEPBDDPS	Condition(s)	Explanation
1	DEPBDA = 1 and DEPBDC = 1 and DEPBDE = 1	Respondent meets CCHS 1.2/WMH-CIDI criteria for lifetime major depressive disorder.
2	DEPBDA = 2 or DEPBDC = 2 or DEPBDE = 2	Respondent does not meet the CCHS 1.2/WMH-CIDI criteria for lifetime major depressive disorder.
NS	DEPBDA = NS or DEPBDC = NS or DEPBDE = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 12) Duration of Worst Depressive Episode (In Years)

**Variable name:** DEPBD22Y

**Based on:** DEPB\_22B, DEPB\_22C, DEPB\_22D, DEPB\_22E, DEPB\_22F

**Previous Usage:** None

**Description:** This variable identifies the length of the respondent's worst depressive episode (in years).

Value of DEPBD22Y	Condition(s)	Explanation
NA	DEPB_22B = NA	Respondent was not asked the questions required for calculation.
NS	(DEPB_22B = DK, R, NS) or (DEPB_22C = DK, R, NS) or (DEPB_22D = DK, R, NS) or (DEPB_22E = DK, R, NS) or (DEPB_22F = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in DEPB_22C / 365 (round to .01)	DEPB_22B = 1	Length of respondent's worst depressive episode (in years).
Value in DEPB_22D / 52 (round to .01)	DEPB_22B = 2	Length of respondent's worst depressive episode (in years).
Value in DEPB_22E / 12 (round to .01)	DEPB_22B = 3	Length of respondent's worst depressive episode (in years).
Value in DEPB_22F (round to .01)	DEPB_22B = 4	Length of respondent's worst depressive episode (in years).



### 13) Duration of Most Recent Depressive Episode (In Years)

**Variable name:** DEPBD23Y

**Based on:** DEPB\_23B, DEPB\_23C, DEPB\_23D, DEPB\_23E, DEPB\_23F

**Previous Usage:** None

**Description:** This variable identifies the length of the respondent's most recent major depressive episode (in years).

Value of DEPBD23Y	Condition(s)	Explanation
NA	DEPB_23B = NA	Respondent was not asked the questions required for calculation.
NS	(DEPB_23B = DK, R, NS) or (DEPB_23C = DK, R, NS) or (DEPB_23D = DK, R, NS) or (DEPB_23E = DK, R, NS) or (DEPB_23F = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in DEPB_23C / 365 (round to .01)	DEPB_23B = 1	Length of respondent's most recent depressive episode (in years).
Value in DEPB_23D / 52 (round to .01)	DEPB_23B = 2	Length of respondent's most recent depressive episode (in years).
Value in DEPB_23E / 12 (round to .01)	DEPB_23B = 3	Length of respondent's most recent depressive episode (in years).
Value in DEPB_23F (round to .01)	DEPB_23B = 4	Length of respondent's most recent depressive episode (in years).

### 14) Duration of First Depressive Episode (In Years)

**Variable name:** DEPBD7CY

**Based on:** DEPB\_7CA, DEPB\_7CB, DEPB\_7CC, DEPB\_7CD, DEPB\_7CE

**Previous Usage:** None

**Description:** This variable identifies the length of the respondent's first depressive episode (in years).

Value of DEPBD7CY	Condition(s)	Explanation
NA	DEPB_7CA = NA	Respondent was not asked the questions required for calculation.
NS	(DEPB_7CA = DK, R, NS) or (DEPB_7CB = DK, R, NS) or (DEPB_7CC = DK, R, NS) or (DEPB_7CD = DK, R, NS) or (DEPB_7CE = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in DEPB_7CB / 365 (round to .01)	DEPB_7CA = 1	Length of respondent's first depressive episode (in years).
Value in DEPB_7CC / 52 (round to .01)	DEPB_7CA = 2	Length of respondent's first depressive episode (in years).
Value in DEPB_7CD / 12 (round to .01)	DEPB_7CA = 3	Length of respondent's first depressive episode (in years).

Value in DEPB_7CE (round to .01)	DEPB_7CA = 4	Length of respondent's first depressive episode (in years).
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## 15) Duration of Single 12-Month Depressive Episode (In Years)

**Variable name:** DEPBD8AY

**Based on:** DEPB\_8AA, DEPB\_8AB, DEPB\_8AC, DEPB\_8AD, DEPB\_8AE

**Previous Usage:** None

**Description:** This variable identifies the length of the respondent's single major depressive episode occurring in the 12 months prior to interview.

Value of DEPBD8AY	Condition(s)	Explanation
NA	DEPB_8AA = NA	Respondent was not asked the questions required for calculation.
NS	(DEPB_8AA = DK, R, NS) or (DEPB_8AB = DK, R, NS) or (DEPB_8AC = DK, R, NS) or (DEPB_8AD = DK, R, NS) or (DEPB_8AE = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in DEPB_8AB / 365 (round to .01)	DEPB_8AB = 1	Length of respondent's single past 12-month depressive episode (in years).
Value in DEPB_8AC / 52 (round to .01)	DEPB_8AC = 2	Length of respondent's single past 12-month depressive episode (in years).
Value in DEPB_8AD / 12 (round to .01)	DEPB_8AD = 3	Length of respondent's single past 12-month depressive episode (in years).
Value in DEPB_8AE (round to .01)	DEPB_8AE = 4	Length of respondent's single past 12-month depressive episode (in years).

## 16) Duration of First of Several 12-Month Depressive Episodes (In Years)

**Variable name:** DEPBD8BY

**Based on:** DEPB\_8BA, DEPB\_8BB, DEPB\_8BC, DEPB\_8BD, DEPB\_8BE

**Previous Usage:** None

**Description:** This variable identifies the length of the respondent's first of several depressive episode occurring in the 12 months prior to interview.

Value of DEPBD8BY	Condition(s)	Explanation
NA	DEPB_8BA = NA	Respondent was not asked the questions required for calculation.
NS	(DEPB_8BA = DK, R, NS) or (DEPB_8BB = DK, R, NS) or (DEPB_8BC = DK, R, NS) or (DEPB_8BD = DK, R, NS) or (DEPB_8BE = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in DEPB_8BB / 365 (round to .01)	DEPB_8BB = 1	Length of respondent's first of several depressive episodes occurring in the 12 months prior to the interview (in years).

Value in DEPB_8BC / 52 (round to .01)	DEPB_8BC = 2	Length of respondent's first of several depressive episodes occurring in the past 12 months (in years).
Value in DEPB_8BD / 12 (round to .01)	DEPB_8BD = 3	Length of respondent's first of several depressive episodes occurring in the 12 months prior to the interview (in years).
Value in DEPB_8BE (round to .01)	DEPB_8BE = 4	Length of respondent's first of several depressive episodes occurring in the past 12 months (in years).

## 17) Duration of Longest Depressive Episode (In Years)

**Variable name:** DEPBD39Y

**Based on:** DEPB\_39A, DEPB\_39B, DEPB\_39C, DEPB\_39D, DEPB\_39E

**Previous Usage:** None

**Description:** This variable calculates the longest depressive episode. Note that not all respondents are asked this question (e.g. those who reported only one lifetime depressive episode were not asked the question).

Value of DEPBD39Y	Condition(s)	Explanation
NA	DEPB_39A = NA	Respondent was not asked the questions required for calculation.
NS	(DEPB_39A = DK, R, NS) or (DEPB_39B = DK, R, NS) or (DEPB_39C = DK, R, NS) or (DEPB_39D = DK, R, NS) or (DEPB_39E = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in DEPB_39B/ 365 (round to .01)	DEPB_39A = 1	Length of longest depressive episode (in years).
Value in DEPB_39C / 52 (round to .01)	DEPB_39A = 2	Length of longest depressive episode (in years).
Value in DEPB_39D/ 12 (round to .01)	DEPB_39A = 3	Length of longest depressive episode (in years).
Value in DEPB_39E (round to .01)	DEPB_39A = 4	Length of longest depressive episode (in years).

## 18) Major Depressive Episode – Age of Onset

**Variable name:** DEPBDON

**Based on:** DEPB\_22, DEPB\_22A, DEPB\_23A, DEPB\_37A, DEPB\_37B, DEPBDDPS

**Previous Usage:** None

**Description:** The age of onset for major depressive episode is the respondent's age at the start of their first reported major depressive episode. The variable is calculated only for respondents who meet the criteria for major depressive episode.

Value of DEPBDON	Condition(s)	Explanation
NA	(DEPBDDPS = 2)	Respondent does not meet the criteria for major depressive episode.
NS	(DEPB_37B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
Minimum value of (DEPB_22A, DEPB_37A, DEPB_37B) (min: 0; max: Current age)	DEPBDDPS = 1 and DEPB_22 = 1 and (DEPB_22A < 996 or DEPB_37A < 996 or DEPB_37B < 996)	The respondent's age at first major depressive episode.
Minimum value of (DEPB_23A, DEPB_37A, DEPB_37B) (min: 0; max: Current age)	DEPBDDPS = 1 and (DEPB_22 = 2, DK, R, NS) and (DEPB_23A < NA or DEPB_37A < NA or DEPB_37B < NA)	The respondent's age at first major depressive episode.
NS	DEPBDDPS = NS or (DEPB_22 = DK, R, NS) or (DEPB_22A = DK, R, NS) or (DEPB_23A = DK, R, NS) or (DEPB_37B = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 19) Major Depressive Episode – Recency Age

**Variable name:** DEPBDREC

**Based on:** DEPB\_22A, DEPB\_23A, DEPB\_37A, DEPB\_38, DEPB\_38C, DEPBDDPS, DHHB\_AGE

**Previous Usage:** None

**Description:** This variable identifies the respondent's age at their most recent major depressive episode. The variable is calculated only for respondents who meet the criteria for major depressive episode.

Value of DEPBDREC	Condition(s)	Explanation
NA	(DEPBDDPS = 2)	Respondent does not meet the criteria for major depressive episode.
NS	(DEPB_23A = DK, R, NS) and (DEPB_38C = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
DHHB_AGE	DEPB_38 = 1 and DEPBDDPS = 1	Recency age is current age.

Maximum value of (DEPB_22A, DEPB_23A, DEPB_37A, DEPB_37B, DEPB_38C) of those that are < NA  (min: 0; max: Current age)	DEPBDDPS = 1 and (DEPB_38 = 2, DK, R) and (DEPB_22A < NA or DEPB_23A < NA or DEPB_37A < NA or DEPB_37B < NA or DEPB_38C < NA)	Recency age is most recent age reported of all major depressive episodes.
NS	DEPBDDPS = NS or (DEPB_22A = DK, R, NS) or (DEPB_23A = DK, R, NS) or (DEPB_37A = DK, R, NS) or (DEPB_37B = DK, R, NS) or (DEPB_38C = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 20) Major Depressive Episode – Persistence of Major Depressive Episode (In Years)

**Variable name:** DEPBDDPER

**Based on:** DEPBDD22Y, DEPBDD23Y, DEPBDD7CY, DEPBDD8AY, DEPBDD8BY, DEPBDD39Y, DEPBDDPS

**Previous Usage:** None

**Description:** This variable identifies the longest episode associated with a major depressive episode experienced by the respondent. It is calculated only for respondents who meet the criteria for major depressive episode.

Value of DEPBDDPER	Condition(s)	Explanation
NA	(DEPBDDPS = 2)	Respondent does not meet the CCHS 1.2/WMH-CIDI criteria for major depressive episode.
NS	DEPBDD39Y = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.
Maximum of (DEPBDD22Y, DEPBDD23Y, DEPBDD7CY, DEPBDD8AY, DEPBDD8BY, DEPBDD39Y) of those that are < NA  (min: 0; max: current age)	DEPBDDPS = 1 and (DEPBDD22Y < NA or DEPBDD23Y < NA or DEPBDD7CY < NA or DEPBDD8AY < NA or DEPBDD8BY < NA or DEPBDD39Y < NA)	Duration of the respondent's longest major depressive episode (in years).
NS	DEPBDDPS = NS or DEPBDD22Y = NS or DEPBDD23Y = NS or DEPBDD7CY = NS or DEPBDD8AY = NS or DEPBDD8BY = NS or DEPBDD39Y = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## Major Depressive Episode – Past 12 Months

### 21) Major Depressive Episode, Past 12 Months - Criterion A

**Variable name:** DEPBDYA

**Based on:** DEPBDDPS

**Previous Usage:** None

**Description:** This variable identifies respondents who meet the criteria for lifetime major depressive episode.

Value of DEPBDYA	Condition(s)	Explanation
1	DEPBDDPS = 1	Respondent met CCHS 1.2/WMH-CIDI Criterion A for past 12 month major depressive episode  Respondent met the criteria for lifetime major depressive episode.
2	DEPBDDPS = 2	Respondent does not meet past 12 month CCHS 1.2/WMH-CIDI Criterion A.  Respondent did not meet criteria for lifetime major depressive episode.
NS	DEPBDDPS = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.

### 22) Major Depressive Episode, Past 12 Months - Criterion B

**Variable name:** DEPBDYB

**Based on:** DEPB\_22A, DEPB\_23A, DEPB\_37A, DEPB\_37B, DEPB\_38, DEPB\_38C, DHHB\_AGE

**Previous usage:** None

**Description:** This variable identifies respondents who reported having a major depressive episode in the 12 months prior to the interview.

Value of DEPBDYB	Condition(s)	Explanation
1	DEPB_38 = 1 or DEPB_22A = DHHB_AGE or DEPB_23A = DHHB_AGE or DEPB_37A = DHHB_AGE or DEPB_37B = DHHB_AGE or DEPB_38C = DHHB_AGE	Respondent meets CCHS 1.2/WMH-CIDI Criterion B for past 12 month major depressive disorder.  Respondent reported having a major depressive episode in the 12 months prior to the interview.
2	(DEPB_38 = 2, NA) and DEPB_22A < DHHB_AGE or DEPB_22A = NA and DEPB_23A < DHHB_AGE or DEPB_23A = NA and DEPB_37A < DHHB_AGE or DEPB_37A = NA and DEPB_37B < DHHB_AGE or DEPB_37B = NA and DEPB_38C < DHHB_AGE or DEPB_38C = NA	Respondent does not meet past 12 month CCHS 1.2/WMH-CIDI Criterion B.  Respondent did not report having a major depressive episode in the 12 months prior to the interview.

NS	(DEPB_38 = DK, R, NS) or (DEPB_22A = DK, R, NS) or (DEPB_23A = DK, R, NS) or (DEPB_37A = DK, R, NS) or (DEPB_37B = DK, R, NS) or (DEPB_38C = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
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## 23) Major Depressive Episode, Past 12 Months - Criterion C

**Variable name:** DEPBDYC

**Based on:** DEPB\_64A, DEPB\_64B, DEPB\_64C, DEPB\_65A, DEPB\_65B, DEPB\_65C, DEPB\_65D, DEPB\_66A, DEPB\_661, DEPB\_662, DEPB\_66C, DEPB\_66D, DEPB\_68, DEPB\_86

**Previous Usage:** None

**Description:** This variable identifies respondents who reported symptoms that cause clinically significant distress or impairment in social, occupational or other important areas of functioning in the 12 months prior to interview.

Value of DEPBDYC	Condition(s)	Explanation
1	[DEPB_64A = 3, 4) or (DEPB_64B = 1, 2) or (DEPB_64C = 3, 4) or (DEPB_65A = 3, 4) or (DEPB_65B = 3, 4) or (DEPB_65C = 3, 4) or (DEPB_65D = 3, 4)] or (4 <= DEPB_66A <= 10 or 4 <= DEPB_661 <= 10 or 4 <= DEPB_662 <= 10 or 4 <= DEPB_66C <= 10 or 4 <= DEPB_66D <= 10 or 5 <= DEPB_68 <= 365 or DEPB_86 = 1)	Respondent meets CCHS 1.2/WMH-CIDI Criterion C of past 12 month major depressive episode.  Respondent reported clinically significant distress or impairment in social, occupational or other important areas of functioning in the 12 months prior to interview.
2	(DEPB_64A = 1, 2, NA) and (DEPB_64B = 3, 4, NA) and (DEPB_64C = 1, 2, NA) and (DEPB_65A = 1, 2, NA) and (DEPB_65B = 1, 2, NA) and (DEPB_65C = 1, 2, NA) and (DEPB_65D = 1, 2, NA) and (0 <= DEPB_66A <= 3 or DEPB_66A = NA) and (0 <= DEPB_661 <= 3 or DEPB_661 = 11, NA) and (0 <= DEPB_662 <= 3 or DEPB_662 = 11, NA) and (0 <= DEPB_66C <= 3 or DEPB_66C = NA) and (0 <= DEPB_66D <= 3 or DEPB_66D = NA) and (0 <= DEPB_68 <= 4 or DEPB_68 = NA) and (DEPB_86 = 2, NA)	Respondent does not meet past 12 month CCHS 1.2/WMH-CIDI Criterion C.  Respondent did not report clinically significant distress or impairment in social, occupational or other important areas of functioning in the 12 months prior to interview.
NS	(DEPB_64A = DK, R, NS) or (DEPB_64B = DK, R, NS) or (DEPB_64C = DK, R, NS) or (DEPB_65A = DK, R, NS) or (DEPB_65B = DK, R, NS) or	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

	(DEPB_65C = DK, R, NS) or (DEPB_65D = DK, R, NS) or (DEPB_66A = DK, R, NS) or (DEPB_661 = DK, R, NS) or (DEPB_662 = DK, R, NS) or (DEPB_66C = DK, R, NS) or (DEPB_66D = DK, R, NS) or (DEPB_68 = DK, R, NS) or (DEPB_86 = DK, R, NS)	
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## 24) Major Depressive Episode, Past 12-Months Algorithm

**Variable name:** DEPBDY

**Based on:** DEPBDYA, DEPBDYB, DEPBDYC

**Previous Usage:** None

**Description:** This is the final variable that identifies whether respondents meet or fail to meet the CCHS 1.2/WMH-CIDI criteria for major depressive episode in the 12 months prior to the interview. Respondents who meet the criteria reported:

1. meeting the criteria for lifetime major depressive episode;
2. having a major depressive episode in the 12 months prior to the interview; and
3. clinically significant distress or impairment in social, occupational or other important areas of functioning.

Value of DEPBDY	Condition(s)	Explanation
1	DEPBDYA = 1 and DEPBDYB = 1 and DEPBDYC = 1	CCHS 1.2/WMH-CIDI Criteria are met for past 12-month major depressive episode.  Respondent reported (1) meeting the criteria for lifetime major depressive episode; (2) having a major depressive episode in the 12 months prior to the interview; and (3) clinically significant distress or impairment in social, occupational or other important areas of functioning.
2	DEPBDYA = 2 or DEPBDYB = 2 or DEPBDYC = 2	All CCHS 1.2/WMH-CIDI criteria are not met for 12-month major depressive episode.  Respondent did not report (1) meeting the criteria for lifetime major depressive episode; (2) having a major depressive episode in the 12 months prior to the interview; and (3) clinically significant distress or impairment in social, occupational or other important areas of functioning.
NS	DEPBDYA = NS or DEPBDYB = NS or DEPBDYC = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.



## 25) Suicide – Lifetime Thought

**Variable name:** DEPBFSLT

**Based on:** DEPBA\_A, DEPBA1

**Previous Usage:** None

**Description:** This variable classifies the respondent based on whether he/she ever thought about committing suicide or taking his/her own life.

Value of DEPBFSLT	Condition(s)	Explanation
1	DEPBA_A = 1 or DEPBA1 = 1	Respondent seriously thought about committing suicide during their lifetime.
2	DEPBA1 = 2	Respondent never seriously thought about committing suicide.  Note: if DEPBA_A = 2 then DEPBA1 asked
NS	(DEPBA1 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 26) Suicide – Past 12-Months Thought

**Variable name:** DEPBFSTY

**Based on:** DEPBA1A, DEPBA1B, DEPBFSLT

**Previous Usage:** None

**Description:** This variable classifies the respondent based on whether he/she thought about committing suicide or taking his/her own life in the past 12 months.

**Note:** In the questionnaire, some respondents were not asked the appropriate question to determine past 12-month suicidal thought. For these respondents, an imputation strategy was used to assign values for 12-month suicide thought. The variable that identifies which respondents were imputed is IMPBFSTY. For more information, see the User Guide.

Value of DEPBFSTY	Condition(s)	Explanation
1	DEPBA1A = 1 or DEPBA1B = 1	Respondent seriously thought about committing suicide in the past 12 months.
2	DEPBFSLT = 2 or DEPBA1A = 2 or DEPBA1B = 2	Respondent did not seriously think about committing suicide in the past 12 months.
NS	(DEPBA1A = DK, R, NS) or (DEPBA1B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
NS	DEPBA1A = NA and DEPBA1B = NA and DEPBFSLT = 1	Respondent was not asked the questions required for calculation due to an error in questionnaire specification.

## 27) Suicide – Lifetime Attempt

**Variable name:** DEPBFSLA

**Based on:** DEPB\_C, DEPB\_CB, DEPB\_C1, DEPBFSLT

**Previous Usage:** None

**Description:** This variable classifies the respondent based on whether he/she ever attempted suicide.

Value of DEPBFSLA	Condition(s)	Explanation
1	DEPB_C = 1 or DEPB_CB = 1 or DEPB_C1 = 1	Respondent ever attempted suicide.
2	DEPBFSLT = 2 or DEPB_CB = 2 or DEPB_C1 = 2	Respondent never attempted suicide.  Note: If DEPB_C = 2 then DEPB_CB asked.
NS	(DEPB_C = DK, R, NS) or (DEPB_CB = DK, R, NS) or (DEPB_C1 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 28) Suicide – Attempt in Past 12 Months

**Variable name:** DEPBFSYA

**Based on:** DEPB\_C1A

**Previous Usage:** None

**Description:** This variable classifies the respondent based whether he/she attempted suicide in the past 12 months.

**Note:** In the questionnaire, some respondents were not asked the appropriate question to determine past 12-month suicide attempt. For these respondents, an imputation strategy was used to assign values for 12-month suicide attempt. The variable that identifies which respondents were imputed is IMPBFSYA. For more information, see the User Guide.

Value of DEPBFSYA	Condition(s)	Explanation
NS	DEPB_A = 1 and DEPB_C = 1 and DEPB_CA = 2	Respondent was not asked the questions required for calculation due to an error in questionnaire specification.
1	DEPB_C1A = 1	Respondent attempted suicide in the past 12 months.
2	(DEPB_C1A = 2, NA)	Respondent did not attempt suicide in the past 12 months.
NS	(DEPB_C1A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 29) Major Depressive Episode Interference - Mean

**Variable name:** DEPBDINT

**Based on:** DEPB\_66A, DEPB\_661, DEPB\_662, DEPB\_66C, DEPB\_66D, DEPBDDY

**Previous Usage:** None

**Description:** This variable describes the interference that the major depressive episode had on daily activities and responsibilities in the past 12 months. This is a mean of the five items. This variable is calculated only for respondents who meet the criteria for the past 12-month major depressive episode.

Value of DEPBDINT	Condition(s)	Explanation
NA	DEPBDDY = 2	Respondent did not meet the CCHS 1.2/WMH-CIDI criteria for 12-month major depressive episode.
NS	DEPB_66A = NA and DEPB_661 = NA and DEPB_662 = NA and DEPB_66C = NA and DEPB_66D = NA	Respondent reported having a major depressive episode in the 12 months prior to the interview, but were not asked the interference questions due to inconsistency in their reporting.
NS	DEPBDDY = NS or (DEPB_66A = DK, R, NS) or (DEPB_661 = DK, R, NS) or (DEPB_662 = DK, R, NS) or (DEPB_66C = DK, R, NS) or (DEPB_66D = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refuse, not specified) at least one question required for calculation.
$(\text{DEPB\_66A} + \text{DEPB\_661} + \text{DEPB\_662} + \text{DEPB\_66C} + \text{DEPB\_66D}) / 5$  (min: 0.0; max: 10.0) (round to .1)	DEPBDDY = 1 and $0 \leq \text{DEPB\_66A} \leq 10$ and $0 \leq \text{DEPB\_661} \leq 10$ and $0 \leq \text{DEPB\_662} \leq 10$ and $0 \leq \text{DEPB\_66C} \leq 10$ and $0 \leq \text{DEPB\_66D} \leq 10$	Interference = mean of all five items. Respondent answered all five questions.
$(\text{DEPB\_66A} + \text{DEPB\_662} + \text{DEPB\_66C} + \text{DEPB\_66D}) / 4$  (min: 0.0; max: 10.0) (round to .1)	DEPBDDY = 1 and DEPB_661 = 11 and $0 \leq \text{DEPB\_662} \leq 10$ and $0 \leq \text{DEPB\_66A} \leq 10$ and $0 \leq \text{DEPB\_66C} \leq 10$ and $0 \leq \text{DEPB\_66D} \leq 10$	Interference = mean of four items that applied to respondent. DEPB_661 was not applicable (i.e., they did not attend school within the past 12 months).
$(\text{DEPB\_66A} + \text{DEPB\_661} + \text{DEPB\_66C} + \text{DEPB\_66D}) / 4$  (min: 0.0; max: 10.0) (round to .1)	DEPBDDY = 1 and $0 \leq \text{DEPB\_661} \leq 10$ and DEPB_662 = 11 and $0 \leq \text{DEPB\_66A} \leq 10$ and $0 \leq \text{DEPB\_66C} \leq 10$ and $0 \leq \text{DEPB\_66D} \leq 10$	Interference = mean of four items that applied to respondent. DEPB_662 was not applicable (i.e., they did not have a job within the past 12 months).
$(\text{DEPB\_66A} + \text{DEPB\_66C} + \text{DEPB\_66D}) / 3$  (min: 0.0; max: 10.0) (round to .1)	DEPBDDY = 1 and DEPB_661 = 11 and DEPB_662 = 11 and $0 \leq \text{DEPB\_66A} \leq 10$ and $0 \leq \text{DEPB\_66C} \leq 10$ and $0 \leq \text{DEPB\_66D} \leq 10$	Interference = mean of three items that applied to respondent. DEPB_661 and DEPB_662 were not applicable (i.e., they did not attend school and did not have a job within the past 12 months).

### 30) Flag for Major Depressive Episode Interference

**Variable name:** DEPBFINT

**Based on:** DEPB\_66A, DEPB\_661, DEPB\_662, DEPB\_66C, DEPB\_66D, DEPBDDY

**Previous Usage:** None

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

This question is calculated only for respondents who meet the criteria for the past 12-month major depressive episode.

Value of DEPBFINT	Condition(s)	Explanation
NA	DEPBDDY = 2	Respondent did not meet the CCHS 1.2/WMH-CIDI criteria for 12-month major depressive episode.
NS	DEPB_66A = NA and DEPB_661 = NA and DEPB_662 = NA and DEPB_66C = NA and DEPB_66D = NA	Respondent reported having a major depressive episode in the 12 months prior to the interview, but were not asked the interference questions due to inconsistency in their reporting.
1	DEPBDDY = 1 and (4 <= DEPB_66A <= 10 or 4 <= DEPB_661 <= 10 or 4 <= DEPB_662 <= 10 or 4 <= DEPB_66C <= 10 or 4 <= DEPB_66D <= 10)	Major depressive episode caused significant interference with the person's normal routine, occupational (academic) functioning, or social activities or relationships in the past 12 months.
2	DEPBDDY = 1 and 0 <= DEPB_66A <= 3 and (0 <= DEPB_661 <= 3 or DEPB_661 = 11) and (0 <= DEPB_662 <= 3 or DEPB_662 = 11) and 0 <= DEPB_66C <= 3 and 0 <= DEPB_66D <= 3	Major depressive episode did not cause significant interference with the person's normal routine, occupation (academic) functioning nor social activities nor relationships in the past 12 months.
NS	DEPBDDY = NS or (DEPB_66A = DK, R, NS) or (DEPB_661 = DK, R, NS) or (DEPB_662 = DK, R, NS) or (DEPB_66C = DK, R, NS) or (DEPB_66D = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refuse, not specified) at least one question required for calculation.

## **Manic Episode (Mania) (33 DVs)**

For the purpose of CCHS 1.2 – Mental Health and Well-being, Mania is characterised by exaggerated feelings of well-being, energy, and confidence in which a person can lose touch with reality. Symptoms of mania include: flight of ideas or racing thoughts; inflated self-esteem; decreased need for sleep; talkativeness; and irritability.

The questions on Mania are based on a recognized World Mental Health version of the Composite International Diagnostic Interview (WMH-CIDI) modified for the needs of CCHS 1.2. The WMH-CIDI instrument, as part of the WMH2000 Project (World Mental Health 2000) is a World Health Organization worldwide initiative to assess the prevalence rates of various mental disorders in multiple countries.

The WMH-CIDI is a standardized instrument for assessment of mental disorders and conditions according to an operationalization of the definitions and criteria of DSM-IV and ICD-10. DSM refers to the Diagnostic and Statistical Manual of Mental Disorders used by the American Psychiatric Association. It is an internationally recognized classification of mental disorders with several versions. Mental conditions or problems found in the CCHS 1.2 are partially coded either to DSM-IV or DSM-III-R. CCHS 1.2 does not support the ICD-10 algorithms.

The WMH2000 Project supported several versions of the Computer-Assisted Personal Interview (CAPI) and Paper and Pencil Personal Interview (PAPI) WMH-CIDI instrument. The Project has already established a working group that will be examining the methodological differences to ensure that international comparison is done appropriately. Mania is one of five conditions in the WMH2000 Project that are assessed in this survey. Both lifetime and past year diagnoses are assessed. Past year episode refers to the 12 months preceding the interview.

As part of its support documentation, CCHS 1.2 is providing information on all temporary and interim derived variables used to compute the final derived variables of lifetime and past 12-month profiled conditions. For most users, the final derived variables in addition to the derived variables pertaining to recency, duration, onset and interference will be sufficient to conduct analyses.

For Manic Episode (Mania), the variables of primary interest are:

Variable	Concept	Variable Number
MIABDEPS	Lifetime algorithm	9
MIABDEY	Past 12-month algorithm	22
MIABDON	Onset	10
MIABDREC	Recency	11
MIABDPER	Persistence	18
MIABD3BY MIABD3DY MIABD6BY MIABD6DY MIABD18Y MIABD22Y	Duration	12-17

MIABDINT	Past 12-month interference	23
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The criteria used to derive the final variables for this current profiled mental condition along with their respective temporary and interim variables are operationalized to partially meet the DSM-IV definitions/classification. While the questionnaire and the algorithms are based on worldwide recognised approaches and classification, this method can not be used to diagnose individuals with this profile condition. Only professionally trained medical staff can do this.

The CCHS 1.2 instrument collects a wealth of information pertaining to this specific mental health condition such as number of symptoms and their overall severity, duration, and intensity; however, the structured approach used by the computerized instrument is not designed to collect some of the more complex information used by professionally trained staff to make a final diagnosis according to the DSM-IV classification. For example, there are no algorithms available to support the creation of derived variables pertaining to the subtypes or specifiers relevant to the disorder. Also, although the instrument does collect some information used for the operationalization of the organic/physical exclusions and the hierarchical ruling, STC recommends that this information be used by DSM experts in light of its complex nature.

In addition to information on mental conditions, the WMH-CIDI instrument also collects information on many important correlates of mental health such as health care service utilization and support. The CCHS 1.2 data collected on mental health correlates is not based on the WMH-CIDI instrument. Although international comparison on such data is important, Statistics Canada, in discussion with its stakeholders, decided that the CCHS 1.2 data should support and complement the Canadian information already available from CCHS 1.1 and other past NPHS cycles.

To facilitate comparison to the DSM, the criteria are more or less itemized in the way they appear in the DSM-IV. This correspondence is only used here to provide a common language that should ease the interpretation of the results. However, it would be inappropriate to assume a direct correspondence between our criteria and the DSM-IV criteria given the operational limitations associated with the questionnaire and the algorithm in addition to the complex nature of the topic.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI lifetime criteria associated with mania reported:

1. a distinct period of abnormally and persistently elevated, expansive or irritable mood lasting at least one week, or any duration if hospitalization was required;
2. three or more of seven symptoms (or four or more if mood is only irritable); and
3. marked impairment in occupational or social functioning, or psychotic features, or hospitalisation was required.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI 12-month criteria associated with mania:

1. meet the criteria for lifetime diagnosis of Mania;
2. report a 12-month episode; and
3. report marked impairment in occupational or social functioning.

## Mania – Lifetime

### 1) Mania - Lifetime Criterion A, Part 1

**Variable name:** MIABDA1

**Based on:** MIAB\_01, MIAB\_05

**Previous Usage:** None

**Description:** This variable identifies whether the respondent reported a distinct period of abnormally and persistently elevated, expansive, or irritable mood in their lifetime.

Value of MIABDA1	Condition(s)	Explanation
1	MIAB_01 = 1 or MIAB_05 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 1.  Respondent reported a distinct period of abnormally and persistently elevated, expansive or irritable mood.
2	MIAB_01 = 2 or MIAB_05 = 2 or (MIAB_01 = NA and MIAB_05 = NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 1.  Respondent did not report a distinct period of abnormally and persistently elevated, expansive, or irritable mood.  Note: Either MIAB_01 or MIAB_05 is answered.
NS	(MIAB_01 = DK, R, NS) or (MIAB_05 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

### 2) Mania - Lifetime Criterion A, Part 2

**Variable name:** MIABDA2

**Based on:** MIABT3BD, MIABT3DD, MIABT6BD, MIABT6DD, MIABT22D, MIAB\_20, MIAB\_48

**Previous Usage:** None

**Description:** This variable identifies whether the respondent reported ever having a distinct period of abnormally and persistently elevated, expansive or irritable mood lasting at least one week or requiring hospitalisation.

#### 2a) Temporary Variable - Duration of Worst Manic (Excited and Energetic) Episode in Days

**Variable name:** MIABT3BD

**Based on:** MIAB\_03B, MIAB\_3B1, MIAB\_3B2, MIAB\_3B3, MIAB\_3B4, MIAB\_3B5

**Description:** This variable identifies the duration of the respondent's worst manic episode (in days) for respondents who reported an episode of feeling excited and full of energy. Note that such respondents who could not identify a particular worst episode were asked about their most recent episode instead.

Value of MIABT3BD	Condition(s)	Explanation
NA	MIAB_03B = NA	Respondent was not asked the questions required for calculation.
NS	(MIAB_03B = DK, R, NS) or (MIAB_3B1 = DK, R, NS) or (MIAB_3B2 = DK, R, NS) or (MIAB_3B3 = DK, R, NS) or (MIAB_3B4 = DK, R, NS) or (MIAB_3B5 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in MIAB_3B1 / 24 (round to .1)	MIAB_03B = 1	Duration of respondent's worst manic episode (in days).
Value in MIAB_3B2	MIAB_03B = 2	Duration of respondent's worst manic episode (in days).
Value in MIAB_3B3 * 7	MIAB_03B = 3	Duration of respondent's worst manic episode (in days).
Value in MIAB_3B4 * 30	MIAB_03B = 4	Duration of respondent's worst manic episode (in days).
Value in MIAB_3B5 * 365	MIAB_03B = 5	Duration of respondent's worst manic episode (in days).

## 2b) Temporary Variable - Duration of Most Recent Manic (Excited and Energetic) Episode in Days

**Variable name:** MIABT3DD

**Based on:** MIAB\_03D, MIAB\_3D1, MIAB\_3D2, MIAB\_3D3, MIAB\_3D4, MIAB\_3D5

**Description:** This variable identifies the duration of the respondent's most recent episode (in days) for respondents who reported an episode of feeling excited and full of energy. Note that this question was asked only to respondents who could not identify a particular episode as their worst episode.

Value of MIABT3DD	Condition(s)	Explanation
NA	MIAB_03D = NA	Respondent was not asked the questions required for calculation.
NS	(MIAB_03D = DK, R, NS) or (MIAB_3D1 = DK, R, NS) or (MIAB_3D2 = DK, R, NS) or (MIAB_3D3 = DK, R, NS) or (MIAB_3D4 = DK, R, NS) or (MIAB_3D5 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in MIAB_3D1 / 24 (round to .1)	MIAB_03D = 1	Duration of respondent's most recent manic episode (in days).
Value in MIAB_3D2	MIAB_03D = 2	Duration of respondent's most recent manic episode (in days).
Value in MIAB_3D3 * 7	MIAB_03D = 3	Duration of respondent's most recent manic episode (in days).
Value in MIAB_3D4 * 30	MIAB_03D = 4	Duration of respondent's most recent manic episode (in days).
Value in MIAB_3D5 * 365	MIAB_03D = 5	Duration of respondent's most recent manic episode (in days).



**2c) Temporary Variable - Duration of Worst Manic (Irritable or Grouchy) Episode in Days****Variable name:** MIABT6BD**Based on:** MIAB\_06B, MIAB\_6B1, MIAB\_6B2, MIAB\_6B3, MIAB\_6B4, MIAB\_6B5**Description:** This variable identifies the duration of the respondent's worst manic episode (in days) for respondents who reported an episode of feeling irritable or grouchy. Note that such respondents who could not identify a particular worst episode were asked about their most recent episode instead.

Value of MIABT6BD	Condition(s)	Explanation
NA	MIAB_06B = NA	Respondent was not asked the questions required for calculation.
NS	(MIAB_06B = DK, R, NS) or (MIAB_6B1 = DK, R, NS) or (MIAB_6B2 = DK, R, NS) or (MIAB_6B3 = DK, R, NS) or (MIAB_6B4 = DK, R, NS) or (MIAB_6B5 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in MIAB_6B1 / 24 (round to .1)	MIAB_06B = 1	Duration of respondent's worst manic episode (in days).
Value in MIAB_6B2	MIAB_06B = 2	Duration of respondent's worst manic episode (in days)
Value in MIAB_6B3 * 7	MIAB_06B = 3	Duration of respondent's worst manic episode (in days)
Value in MIAB_6B4 * 30	MIAB_06B = 4	Duration of respondent's worst manic episode (in days)
Value in MIAB_6B5 * 365	MIAB_06B = 5	Duration of respondent's worst manic episode (in days)

**2d) Temporary Variable - Duration of Most Recent Manic (Irritable or Grouchy) Episode in Days****Variable name:** MIABT6DD**Based on:** MIAB\_06D, MIAB\_6D1, MIAB\_6D2, MIAB\_6D3, MIAB\_6D4, MIAB\_6D5**Description:** This variable identifies the duration of the respondent's most recent episode (in days) for respondents who reported an episode of feeling irritable or grouchy. Note that this question was asked only to respondents who could not identify a particular episode as their worst episode.

Value of MIABT6DD	Condition(s)	Explanation
NA	MIAB_06D = NA	Respondent was not asked the questions required for calculation.
NS	(MIAB_06D = DK, R, NS) or (MIAB_6D1 = DK, R, NS) or (MIAB_6D2 = DK, R, NS) or (MIAB_6D3 = DK, R, NS) or (MIAB_6D4 = DK, R, NS) or (MIAB_6D5 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in MIAB_6D1 / 24 (round to .1)	MIAB_06D = 1	Duration of respondent's most recent manic episode (in days)
Value in MIAB_6D2	MIAB_06D = 2	Duration of respondent's most recent manic episode (in days)
Value in MIAB_6D3 * 7	MIAB_06D = 3	Duration of respondent's most recent manic episode (in days)
Value in MIAB_6D4 * 30	MIAB_06D = 4	Duration of respondent's most recent manic episode (in days)
Value in MIAB_6D5 * 365	MIAB_06D = 5	Duration of respondent's most recent manic episode (in days)

**2e) Temporary Variable - Duration of Longest Manic Episode in Days****Variable name:** MIABT22D**Based on:** MIAB\_22, MIAB\_221, MIAB\_222, MIAB\_223, MIAB\_224, MIAB\_225**Description:** This variable identifies the duration of the respondent's longest manic episode (in days).

Value of MIABT22D	Condition(s)	Explanation
NA	MIAB_22 = NA	Respondent was not asked the questions required for calculation.
NS	(MIAB_22 = DK, R, NS) or (MIAB_221 = DK, R, NS) or (MIAB_222 = DK, R, NS) or (MIAB_223 = DK, R, NS) or (MIAB_224 = DK, R, NS) or (MIAB_225 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in MIAB_221 / 24 (round to .1)	MIAB_22 = 1	Duration of respondent's longest manic episode (in days)
Value in MIAB_222	MIAB_22 = 2	Duration of respondent's longest manic episode (in days)
Value in MIAB_223 * 7	MIAB_22 = 3	Duration of respondent's longest manic episode (in days)
Value in MIAB_224 * 30	MIAB_22 = 4	Duration of respondent's longest manic episode (in days)
Value in MIAB_225 * 365	MIAB_22 = 5	Duration of respondent's longest manic episode (in days)

**Calculating Criterion A, Part 2:**

Value of MIABDA2	Condition(s)	Explanation
1	7 <= MIABT3BD < NA or 7 <= MIABT3DD < NA or 7 <= MIABT6BD < NA or 7 <= MIABT6DD < NA or 7 <= MIABT22D < NA or 1 <= MIAB_20 < NA or MIAB_48 = 1	Respondent meets lifetime Criterion A, Part 2.  Respondent reported a distinct period of abnormally and persistently elevated, expansive or irritable mood lasting at least one week or requiring hospitalisation.
2	(MIABT3BD < 7 or MIABT3DD < 7 or MIABT6BD < 7 or MIABT6DD < 7 or (MIABT3BD = NA and MIABT3DD = NA and MIABT6BD = NA and MIABT6DD = NA)) and (MIABT22D < 7 or MIABT22D = NA) and (MIAB_20 = 0, NA) and (MIAB_48 = 2, NA)	Respondent did not meet lifetime Criterion A, Part 2.  The duration reported was less than one week or the episode did not require hospitalization.
NS	MIABT3BD = NS or MIABT3DD = NS or MIABT6BD = NS or MIABT6DD = NS or MIABT22D = NS or (MIAB_20 = DK, R, NS) or (MIAB_48 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

### 3) Mania - Lifetime Criterion A (Parts 1 and 2 Combined)

**Variable name:** MIABDA

**Based on:** MIABDA1, MIABDA2

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets lifetime Criterion A of the CCHS 1.2/WMH-CIDI algorithm. Criterion A assesses whether the respondent reported a distinct period of abnormally and persistently elevated or irritable mood associated with a manic episode lasting at least one week or requiring hospitalisation.

Value of MIABDA	Condition(s)	Explanation
1	MIABDA1 = 1 and MIABDA2 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A.  Respondent reported a distinct period of abnormally and persistently elevated, expansive or irritable mood lasting at least one week or requiring hospitalisation.
2	MIABDA1 = 2 or MIABDA2 = 2	Respondent did not meet lifetime CCHS 1.2/WMH-CIDI Criterion A.  Respondent did not report a distinct period of abnormally and persistently elevated, expansive or irritable mood or the episode lasted less than one week and did not require hospitalization.
NS	MIABDA1 = NS or MIABDA2 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

### 4) Mania - Lifetime Criterion B

**Variable name:** MIABDB

**Based on:** MIABDB1, MIABDB2, MIABDB3, MIABDB4, MIABDB5, MIABDB6, MIABDB7, MIABDBI

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets lifetime Criterion B of the CCHS 1.2/WMH-CIDI algorithm. The criterion is met if three or more of the seven symptoms (or four or more if mood is only irritable) were present during the mood disturbance. The symptoms are:

1. inflated self-esteem or sense of grandiosity;
2. decreased need for sleep;
3. more talkative than usual or pressure to keep talking;
4. flight of ideas or subjective experience that thoughts are racing;
5. distractibility;
6. increase in goal-oriented activity either at work, school, or socially, or psychomotor agitation;
7. excessive involvement in pleasurable activities that have a high potential for painful consequences such as engaging in unrestrained buying sprees, sexual indiscretions, or foolish business investments.

**4a) Symptom 1 – Inflated Self-Esteem or Grandiosity****Variable name:** MIABDB1**Based on:** MIAB\_07N, MIAB\_07O**Previous Usage:** None

**Description:** This variable identifies respondents who reported having a greatly exaggerated sense of self-confidence, believed they could do things they really couldn't do, had the idea that they were actually someone else, or that they had a special connection with a famous person that they really didn't have.

Value of MIABDB1	Condition(s)	Explanation
1	MIAB_07N = 1 or MIAB_07O = 1	Respondent reported inflated self-esteem or grandiosity during the mood disturbance.
2	(MIAB_07N = 2, NA) and (MIAB_07O = 2, NA)	Respondent did not report an inflated self-esteem or grandiosity.
NS	(MIAB_07N = DK, R, NS) or (MIAB_07O = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**4b) Symptom 2 - Decreased Need for Sleep****Variable name:** MIABDB2**Based on:** MIAB\_07J**Previous Usage:** None

**Description:** This variable identifies respondents who reported they slept far less than usual and still did not feel tired or sleepy.

Value of MIABDB2	Condition(s)	Explanation
1	MIAB_07J = 1	Respondent reported a decreased need for sleep during the mood disturbance.
2	(MIAB_07J = 2, NA)	Respondent did not report a decreased need for sleep during the mood disturbance.
NS	(MIAB_07J = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**4c) Symptom 3 - More Talkative Than Usual or Pressure to Keep Talking****Variable name:** MIABDB3**Based on:** MIAB\_07F**Previous Usage:** None**Description:** This variable identifies respondents who reported they talked a lot more than usual or felt a need to keep talking all the time.

Value of MIABDB3	Condition(s)	Explanation
1	MIAB_07F = 1	Respondent reported being more talkative than usual or felt pressure to keep talking during the mood disturbance.
2	(MIAB_07F = 2, NA)	Respondent did not report being more talkative than usual or feeling pressure to keep talking.
NS	(MIAB_07F = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**4d) Symptom 4 - Flight of Ideas or Subjective Experience That Thoughts Are Racing****Variable name:** MIABDB4**Based on:** MIAB\_07I**Previous Usage:** None**Description:** This variable identifies respondents who reported their thoughts seemed to jump from one thing to another or race through their head so fast that they couldn't keep track of them.

Value of MIABDB4	Condition(s)	Explanation
1	MIAB_07I = 1	Respondent reported flights of ideas or racing thoughts during the mood disturbance.
2	(MIAB_07I = 2, NA)	Respondent did not report flights of ideas or racing thoughts.
NS	(MIAB_07I = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

#### 4e) Symptom 5 - Distractibility (i.e., Attention Too Easily Drawn to Unimportant or Irrelevant External Stimuli)

**Variable name:** MIABDB5

**Based on:** MIAB\_07G, MIAB\_07H

**Previous Usage:** None

**Description:** This variable identifies respondents who reported constantly changing their plans or activities, or were so easily distracted that any interruption could get them thinking "off track".

Value of MIABDB5	Condition(s)	Explanation
1	MIAB_07G = 1 or MIAB_07H = 1	Respondent reported distractibility during the mood disturbance.
2	(MIAB_07G = 2, NA) and (MIAB_07H = 2, NA)	Respondent did not report distractibility.
NS	(MIAB_07G = DK, R, NS) or (MIAB_07H = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

#### 4f) Symptom 6 - Increase in Goal-Oriented Activity or Psychomotor Agitation

**Variable name:** MIABDB6

**Based on:** MIAB\_07A, MIAB\_07B, MIAB\_07D, MIAB\_07E

**Previous Usage:** None

**Description:** This variable identifies respondents who reported they became so restless and fidgety that they paced up and down or couldn't stand still; they became overly friendly or outgoing with people; they were a lot more interested in sex than usual or wanted to have sexual encounters with people they wouldn't ordinarily be interested in; or they tried to do things that were impossible to do, like taking on large amounts of work.

Value of MIABDB6	Condition(s)	Explanation
1	MIAB_07A = 1 or MIAB_07B = 1 or MIAB_07D = 1 or MIAB_07E = 1	Respondent reported an increase in goal-oriented activity or psychomotor agitation during the mood disturbance.
2	(MIAB_07A = 2, NA) and (MIAB_07B = 2, NA) and (MIAB_07D = 2, NA) and (MIAB_07E = 2, NA)	Respondent did not report an increase in goal-oriented activity or psychomotor agitation.
NS	(MIAB_07A = DK, R, NS) or (MIAB_07B = DK, R, NS) or (MIAB_07D = DK, R, NS) or (MIAB_07E = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

#### 4g) Symptom 7 - Excessive Involvement in Pleasurable Activities That Have a High Potential for Painful Consequences

**Variable name:** MIABDB7

**Based on:** MIAB\_07K, MIAB\_07L, MIAB\_07M

**Previous Usage:** None

**Description:** This variable identifies respondents who reported getting involved in foolish investments or schemes for making money; spending so much more money than usual that it caused them to have financial trouble; or being interested in seeking pleasure in ways that they would usually consider risky, like having casual or unsafe sex, going on buying sprees or driving recklessly.

Value of MIABDB7	Condition(s)	Explanation
1	MIAB_07K = 1 or MIAB_07L = 1 or MIAB_07M = 1	Respondent reported excessive involvement in pleasurable activities that have a high potential for painful consequences.
2	(MIAB_07K = 2, NA) and (MIAB_07L = 2, NA) and (MIAB_07M = 2, NA)	Respondent did not report excessive involvement in pleasurable activities that have a high potential for painful consequences.
NS	(MIAB_07K = DK, R, NS) or (MIAB_07L = DK, R, NS) or (MIAB_07M = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

#### 4h) Irritable Mood – Determine Whether Mood Was Only Irritable

**Variable name:** MIABDBI

**Based on:** SCRB\_24, SCRB\_25, SCRB\_25A

**Previous Usage:** None

**Description:** This variable distinguishes whether the respondent indicated being irritable or grouchy but did not endorse the screener for mania of being more excited and full of energy and having a racing mind. Of the two ways of screening, the former is weaker and requires 4 instead of 3 symptoms to meet the criterion B.

Value of MIABDBI	Condition(s)	Explanation
1	SCRB_24 <> 1 and SCRB_25A = 1	Respondent reported irritable mood but no excessive excitement, energy, and racing mind.
2	SCRB_24 = 1 or (SCRB_24 = 2, DK, R) and [(SCRB_25 = 2, DK, R) or (SCRB_25A = 2, DK, R)]	Respondent did not report only irritable mood or did not screen into Mania module.

**Calculation of Mania - Lifetime Criterion B:**

Value of MIABDB	Condition(s)	Explanation
1	MIABDBI = 1 and (4 or more of (MIABDB1, MIABDB2, MIABDB3, MIABDB4, MIABDB5, MIABDB6, MIABDB7) = 1) or MIABDBI = 2 and (3 or more of (MIABDB1, MIABDB2, MIABDB3, MIABDB4, MIABDB5, MIABDB6, MIABDB7) = 1)	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion B.  During the mood disturbance, three or more of the seven symptoms (or four more if mood is only irritable) were present.
2	MIABDBI = 1 and (4 or more of (MIABDB1, MIABDB2, MIABDB3, MIABDB4, MIABDB5, MIABDB6, MIABDB7) = 2) or MIABDBI = 2 and (5 or more of (MIABDB1, MIABDB2, MIABDB3, MIABDB4, MIABDB5, MIABDB6, MIABDB7) = 2)	Respondent does not meet lifetime Criterion B.  Fewer than three of the seven symptoms (fewer than four if mood is only irritable) were present.
NS	MIABDB1 = NS or MIABDB2 = NS or MIABDB3 = NS or MIABDB4 = NS or MIABDB5 = NS or MIABDB6 = NS or MIABDB7 = NS	Respondent has a non-response (not stated) value in one of the derived variable required for calculation.

**5) Mania - Lifetime Criterion D, Part 1****Variable name:** MIABDD1**Based on:** MIAB\_09, MIAB\_09A, MIAB\_29, MIAB\_33, MIABD277**Previous Usage:** None

**Description:** This variable identifies whether the lifetime mood disturbance is sufficiently severe to cause marked impairment in normal daily activities, occupational functioning or in usual social activities or relationships with others.

**5a) Social and Occupational Interference****Variable name:** MIABD277**Based on:** MIAB\_27A, MIAB\_271, MIAB\_272, MIAB\_27C, MIAB\_27D**Previous Usage:** None

**Description:** This variable identifies whether the most severe manic feelings experienced in the past year significantly interfered with the respondent's home, work, or school responsibilities, his/her ability to form and maintain close relationships, or his/her social life..

Value of MIABD277	Condition(s)	Explanation
1	7 <= MIAB_27A <= 10 or 7 <= MIAB_271 <= 10 or 7 <= MIAB_272 <= 10 or 7 <= MIAB_27C <= 10 or 7 <= MIAB_27D <= 10	The respondent experienced significant interference in home, work, or school responsibilities, or his/her ability to form and maintain close relationships, or his/her social life.



2	(MIAB_27A <= 6 or MIAB_27A = NA) and (MIAB_271 <= 6 or MIAB_271 = 11, NA) and (MIAB_272 <= 6 or MIAB_272 = 11, NA) and (MIAB_27C <= 6 or MIAB_27C = NA) and (MIAB_27D <= 6 or MIAB_27D = NA)	The respondent did not experience significant interference with home, work, and school responsibilities and his/her ability to form and maintain close relationships and in his/her social life.
NS	(MIAB_27A = DK, R, NS) or (MIAB_271 = DK, R, NS) or (MIAB_272 = DK, R, NS) or (MIAB_27C = DK, R, NS) or (MIAB_27D = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**Calculation of Lifetime Criterion D, Part 1:**

Value of MIABDD1	Condition(s)	Explanation
1	(MIAB_09 = 4, 5) or (MIAB_09A = 1, 2) or MIABD277 = 1 or 5 <= MIAB_29 <= 365 or MIAB_33 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion D, Part 1.  The mood disturbance was sufficiently severe to cause marked impairment in normal daily activities, occupational functioning or in usual social activities or relationships with others.
2	(MIAB_09 = 1, 2, NA) or [(MIAB_09 = 3, NA) and (MIAB_09A = 3, 4, NA) and MIABD277 = 2 and (MIAB_29 < 5 or MIAB_29 = NA) and (MIAB_33 = 2, NA)]	Respondent does not meet CCHS 1.2/WMH-CIDI Criterion D, Part 1.  Respondent did not report marked impairment in occupational functioning nor in usual social activities nor relationships with others.
NS	(MIAB_09 = DK, R, NS) or (MIAB_09A = DK, R, NS) or MIABD277 = NS or (MIAB_29 = DK, R, NS) or (MIAB_33 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation or respondent has a non-response (not stated) value in the derived variable required for calculation.

## 6) Mania - Lifetime Criterion D, Part 2

**Variable name:** MIABDD2

**Based on:** MIAB\_33, MIAB\_48

**Previous Usage:** None

**Description:** This variable identifies whether the lifetime mood disturbance was sufficiently severe to necessitate hospitalisation to prevent harm to self.

Value of MIABDD2	Condition(s)	Explanation
1	MIAB_48 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion D, Part 2.  Respondent reported mood disturbance sufficiently severe to necessitate hospitalisation to prevent harm to self.
2	(MIAB_48 = 2, NA)	Respondent did not meet lifetime CCHS 1.2/WMH-CIDI Criterion D, Part 2.  Respondent did not report mood disturbance sufficiently severe to necessitate hospitalisation to prevent harm to self.
NS	(MIAB_33 = DK, R, NS) or (MIAB_48 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 7) Mania - Lifetime Criterion D, Part 3

**Variable name:** MIABDD3

**Based on:** MIAB\_070

**Previous Usage:** None

**Description:** This variable identifies whether respondent reported psychotic features such as thinking they were someone else, or thinking they had a special connection with a famous person that they didn't really have.

Value of MIABDD3	Condition(s)	Explanation
1	MIAB_070 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion D, Part 3.  Respondent reported psychotic features.
2	(MIAB_070 = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion D, Part 3.  Respondent did not report psychotic features.
NS	(MIAB_070 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 8) Mania - Lifetime Criterion D (Parts 1, 2, 3 Combined)

**Variable name:** MIABDD

**Based on:** MIABDD1, MIABDD2, MIABDD3

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets Criterion D of the lifetime CCHS 1.2/WMH-CIDI algorithm criteria. The criterion is met if the respondent reports one of the following:

1. a marked impairment in normal daily activities, occupational functioning, in usual social activities or in relationships with others;
2. psychotic features were present during the mood disturbance; or
3. the mood disturbance was sufficiently severe to necessitate hospitalisation to prevent harm to self.

Value of MIABDD	Condition(s)	Explanation
1	MIABDD1 = 1 or MIABDD2 = 1 or MIABDD3 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion D.  Respondent reported marked impairment in functioning or psychotic features or hospitalization.
2	MIABDD1 = 2 and MIABDD2 = 2 and MIABDD3 = 2	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion D.  Respondent did not report marked impairment in functioning nor psychotic features nor hospitalization.
NS	MIABDD1 = NS or MIABDD2 = NS or MIABDD3 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 9) Mania - Lifetime Algorithm

**Variable name:** MIABDEPS

**Based on:** MIABDA, MIABDB, MIABDD

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets the lifetime CCHS 1.2/WMH-CIDI criteria for Mania. Respondents who meet the criteria reported:

1. a distinct period of abnormally and persistently elevated, expansive or irritable mood lasting at least one week;
2. three or more of seven symptoms (or four or more if mood is only irritable) were present during the mood disturbance. Symptom are inflated self-esteem or grandiosity; decreased need for sleep, more talkative than usual; flight of ideas or racing thoughts; distractibility; increase in goal-oriented activity or psychomotor agitation; and excessive involvement in pleasurable activities with high potential for painful consequences; and
3. marked impairment in normal daily activities, occupational functioning or usual social activities or relationships with others; or mood disturbance includes psychotic features; or mood disturbance severe enough to require hospitalisation.

Value of MIABDEPS	Condition(s)	Explanation
1	MIABDA = 1 and MIABDB = 1 and MIABDD = 1	All CCHS 1.2/WMH-CIDI criteria are met for lifetime Mania.
2	MIABDA = 2 or MIABDB = 2 or MIABDD = 2	All CCHS 1.2/WMH-CIDI criteria are not met for lifetime Mania.
NS	MIABDA = NS or MIABDB = NS or MIABDD = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 10) Mania - Age of Onset

**Variable name:** MIABDON

**Based on:** MIAB\_03A, MIAB\_03C, MIAB\_06A, MIAB\_06C, MIAB\_18A, MIAB\_18B, MIAB\_48A, MIABDEPS

**Previous Usage:** None

**Description:** This variable identifies the respondent's age at the start of their first manic episode. This variable is only calculated for respondents who meet the lifetime CCHS 1.2/WMH-CIDI criteria for Mania.

Value of MIABDON	Condition(s)	Explanation
NA	MIABDEPS = 2	Respondent does not meet the lifetime CCHS 1.2/WMH-CIDI criteria for a Manic Episode.
Minimum value of (MIAB_03A, MIAB_03C, MIAB_06A, MIAB_06C, MIAB_18A, MIAB_18B, MIAB_48A)  (min: 0; max: current age)	MIABDEPS = 1 and (MIAB_03A < NA or MIAB_03C < NA or MIAB_06A < NA or MIAB_06C < NA or MIAB_18A < NA or MIAB_18B < NA or MIAB_48A < NA)	The respondent's age at first manic episode.

NS	MIABDEPS = NS or (MIAB_03A = DK, R, NS) or (MIAB_03C = DK, R, NS) or (MIAB_06A = DK, R, NS) or (MIAB_06C = DK, R, NS) or (MIAB_18A = DK, R, NS) or (MIAB_18B = DK, R, NS) or (MIAB_48A = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
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### Temporary Reformats

Reformat	Explanation
If (MIAB_03A = NA, DK, R, NS) then MIARQ03A = missing If (MIAB_03C = NA, DK, R, NS) then MIARQ03C = missing If (MIAB_06A = NA, DK, R, NS) then MIARQ06A = missing If (MIAB_06C = NA, DK, R, NS) then MIARQ06C = missing If (MIAB_18A = NA, DK, R, NS) then MIARQ18A = missing If (MIAB_18B = NA, DK, R, NS) then MIARQ8B = missing If (MIAB_19D = NA, DK, R, NS) then MIARQ19D = missing	Recode non-response to missing.

## 11) Mania - Recency Age

**Variable name:** MIABDREC

**Based on:** MIAB\_03A, MIAB\_03C, MIAB\_06A, MIAB\_06C, MIAB\_18A, MIAB\_18B, MIAB\_19, MIAB\_191, MIAB\_19D, MIAB\_48A, DHHB\_AGE, MIABDEPS

**Previous Usage:** None

**Description:** This variable identifies the respondent's age at their last manic episode. This variable is only calculated for respondents who meet the CCHS 1.2/WMH-CIDI criteria for manic episode.

Value of MIABDREC	Condition(s)	Explanation
NA	MIABDEPS = 2	Respondent did not meet the CCHS 1.2/WMH-CIDI criteria for a diagnosis of a Manic Episode.
Value of DHHB_AGE	MIABDEPS = 1 and (MIAB_19 = 1 or MIAB_191 = 1)	Recency age is current age when respondent reported a 12-month episode.
NS	(MIAB_03C => NA and MIAB_06C => NA and MIAB_19D => NA) and At least one of (MIAB_03C, MIAB_06C, MIAB_19D = DK, R, NS)	Respondent did not answer (not applicable, don't know, refusal, not stated) the intended 'Recent Episode' questions.
Maximum value of (MIAB_03A, MIAB_03C, MIAB_06A, MIAB_06C, MIAB_18A, MIAB_18B, MIAB_19D) that are < NA  (min: 0; max: current age)	MIABDEPS = 1 and (MIAB_03A < NA or MIAB_03C < NA or MIAB_06A < NA or MIAB_06C < NA or MIAB_18A < NA or MIAB_18B < NA or MIAB_19D < NA)	Recency age is oldest age of episodes reported.

NS	MIABDEPS = NS or (MIAB_03A = DK, R, NS) or (MIAB_03C = DK, R, NS) or (MIAB_06A = DK, R, NS) or (MIAB_06C = DK, R, NS) or (MIAB_18A = DK, R, NS) or (MIAB_18B = DK, R, NS) or (MIAB_19D = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
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## 12) Duration of Worst Manic (Excited and Energetic) Episode

**Variable name:** MIABD3BY

**Based on:** MIAB\_03B, MIAB\_3B1, MIAB\_3B2, MIAB\_3B3, MIAB\_3B4, MIAB\_3B5

**Previous Usage:** None

**Description:** This variable identifies the duration of the respondent's worst manic episode (in years) of feeling excited and full of energy. Note that such respondents who could not identify a particular worst episode were asked about their most recent episode instead.

Value of MIABD3BY	Condition(s)	Explanation
NA	MIAB_03B = NA	Respondent was not asked the questions required for calculation.
NS	(MIAB_03B = DK, R, NS) or (MIAB_3B1 = DK, R, NS) or (MIAB_3B2 = DK, R, NS) or (MIAB_3B3 = DK, R, NS) or (MIAB_3B4 = DK, R, NS) or (MIAB_3B5 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in MIAB_3B1 / (365*24) (round to .01)	MIAB_03B = 1	Duration of respondent's worst manic episode (in years).
Value in MIAB_3B2 / 365 (round to .01)	MIAB_03B = 2	Duration of respondent's worst manic episode (in years).
Value in MIAB_3B3 / 52 (round to .01)	MIAB_03B = 3	Duration of respondent's worst manic episode (in years).
Value in MIAB_3B4 / 12 (round to .01)	MIAB_03B = 4	Duration of respondent's worst manic episode (in years).
Value in MIAB_3B5 (round to .01)	MIAB_03B = 5	Duration of respondent's worst manic episode (in years).

### 13) Duration of Most Recent Manic (Excited and Energetic) Episode

**Variable name:** MIABD3DY

**Based on:** MIAB\_03D, MIAB\_3D1, MIAB\_3D2, MIAB\_3D3, MIAB\_3D4, MIAB\_3D5

**Previous Usage:** None

**Description:** This variable identifies the duration of the respondent's most recent episode (in years) of feeling excited and full of energy. Note that this question was asked only to respondents who could not identify a particular episode as their worst episode.

Value of MIABD3DY	Condition(s)	Explanation
NA	MIAB_03D = NA	Respondent was not asked the questions required for calculation.
NS	(MIAB_03D = DK, R, NS) or (MIAB_3D1 = DK, R, NS) or (MIAB_3D2 = DK, R, NS) or (MIAB_3D3 = DK, R, NS) or (MIAB_3D4 = DK, R, NS) or (MIAB_3D5 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in MIAB_3D1 / (365*24) (round to .01)	MIAB_03D = 1	Duration of respondent's most recent manic episode (in years).
Value in MIAB_3D2 / 365 (round to .01)	MIAB_03D = 2	Duration of respondent's most recent manic episode (in years).
Value in MIAB_3D3 / 52 (round to .01)	MIAB_03D = 3	Duration of respondent's most recent manic episode (in years).
Value in MIAB_3D4 / 12 (round to .01)	MIAB_03D = 4	Duration of respondent's most recent manic episode (in years).
Value in MIAB_3D5 (round to .01)	MIAB_03D = 5	Duration of respondent's most recent manic episode (in years).

## 14) Duration of Worst Manic (Irritable or Grouchy) Episode

**Variable name:** MIABD6BY

**Based on:** MIAB\_06B, MIAB\_6B1, MIAB\_6B2, MIAB\_6B3, MIAB\_6B4, MIAB\_6B5

**Previous Usage:** None

**Description:** This variable identifies the duration of the respondent's worst manic episode (in years) of feeling irritable or grouchy. Note that such respondents who could not identify a particular worst episode were asked about their most recent episode instead.

Value of MIABD6BY	Condition(s)	Explanation
NA	MIAB_06B = NA	Respondent was not asked the questions required for calculation.
NS	(MIAB_06B = DK, R, NS) or (MIAB_6B1 = DK, R, NS) or (MIAB_6B2 = DK, R, NS) or (MIAB_6B3 = DK, R, NS) or (MIAB_6B4 = DK, R, NS) or (MIAB_6B5 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in MIAB_6B1 / (365*24) (round to .01)	MIAB_06B = 1	Duration of respondent's worst manic episode (in years).
Value in MIAB_6B2 / 365 (round to .01)	MIAB_06B = 2	Duration of respondent's worst manic episode (in years).
Value in MIAB_6B3 / 52 (round to .01)	MIAB_06B = 3	Duration of respondent's worst manic episode (in years).
Value in MIAB_6B4 / 12 (round to .01)	MIAB_06B = 4	Duration of respondent's worst manic episode (in years).
Value in MIAB_6B5 (round to .01)	MIAB_06B = 5	Duration of respondent's worst manic episode (in years).



## 15) Duration of Most Recent Manic (Irritable or Grouchy) Episode

**Variable name:** MIABD6DY

**Based on:** MIAB\_06D, MIAB\_6D1, MIAB\_6D2, MIAB\_6D3, MIAB\_6D4, MIAB\_6D5

**Previous Usage:** None

**Description:** This variable identifies the duration of the respondent's most recent episode (in years) of feeling irritable or grouchy. Note that this question was asked only to respondents who could not identify a particular episode as their worst episode.

Value of MIABD6DY	Condition(s)	Explanation
NA	MIAB_06D = NA	Respondent was not asked the questions required for calculation.
NS	(MIAB_06D = DK, R, NS) or (MIAB_6D1 = DK, R, NS) or (MIAB_6D2 = DK, R, NS) or (MIAB_6D3 = DK, R, NS) or (MIAB_6D4 = DK, R, NS) or (MIAB_6D5 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in MIAB_6D1 / (365*24) (round to .01)	MIAB_06D = 1	Duration of respondent's most recent manic episode (in years).
Value in MIAB_6D2 / 365 (round to .01)	MIAB_06D = 2	Duration of respondent's most recent manic episode (in years).
Value in MIAB_6D3 / 52 (round to .01)	MIAB_06D = 3	Duration of respondent's most recent manic episode (in years).
Value in MIAB_6D4 / 12 (round to .01)	MIAB_06D = 4	Duration of respondent's most recent manic episode (in years).
Value in MIAB_6D5 (round to .01)	MIAB_06D = 5	Duration of respondent's most recent manic episode (in years).

## 16) Duration of First Manic Episode

**Variable name:** MIABD18Y

**Based on:** MIAB\_18D, MIAB\_1D1, MIAB\_1D2, MIAB\_1D3, MIAB\_1D4, MIAB\_1D5

**Previous Usage:** None

**Description:** This variable identifies the duration of the respondent's first manic episode (in years).

Value of MIABD18Y	Condition(s)	Explanation
NA	MIAB_18D = NA	Respondent was not asked the questions required for calculation.
NS	(MIAB_18D = DK, R, NS) or (MIAB_1D1 = DK, R, NS) or (MIAB_1D2 = DK, R, NS) or (MIAB_1D3 = DK, R, NS) or (MIAB_1D4 = DK, R, NS) or (MIAB_1D5 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in MIAB_1D1 / (365*24) (round to .01)	MIAB_18D = 1	Duration of respondent's first manic episode (in years).
Value in MIAB_1D2 / 365 (round to .01)	MIAB_18D = 2	Duration of respondent's first manic episode (in years).
Value in MIAB_1D3 / 52 (round to .01)	MIAB_18D = 3	Duration of respondent's first manic episode (in years).
Value in MIAB_1D4 / 12 (round to .01)	MIAB_18D = 4	Duration of respondent's first manic episode (in years).
Value in MIAB_1D5 (round to .01)	MIAB_18D = 5	Duration of respondent's first manic episode (in years).

## 17) Duration of Longest Manic Episode

**Variable name:** MIABD22Y

**Based on:** MIAB\_22, MIAB\_221, MIAB\_222, MIAB\_223, MIAB\_224, MIAB\_225

**Previous Usage:** None

**Description:** This variable identifies the duration of the respondent's longest manic episode (in years).

Value of MIABD22Y	Condition(s)	Explanation
NA	MIAB_22 = NA	Respondent was not asked the questions required for calculation.
NS	(MIAB_22 = DK, R, NS) or (MIAB_221 = DK, R, NS) or (MIAB_222 = DK, R, NS) or (MIAB_223 = DK, R, NS) or (MIAB_224 = DK, R, NS) or (MIAB_225 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in MIAB_221 / (365*24) (round to .01)	MIAB_22 = 1	Duration of respondent's longest manic episode (in years).
Value in MIAB_222 / 365 (round to .01)	MIAB_22 = 2	Duration of respondent's longest manic episode (in years).
Value in MIAB_223 / 52 (round to .01)	MIAB_22 = 3	Duration of respondent's longest manic episode (in years).
Value in MIAB_224 / 12 (round to .01)	MIAB_22 = 4	Duration of respondent's longest manic episode (in years).
Value in MIAB_225 (round to .01)	MIAB_22 = 5	Duration of respondent's longest manic episode (in years).

### Temporary Reformats

Reformat	Explanation
If (MIABD3BY = NA, NS) then MIAR3BY = missing If (MIABD3DY = NA, NS) then MIAR3DY = missing If (MIABD6BY = NA, NS) then MIAR6BY = missing If (MIABD6DY = NA, NS) then MIAR6DY = missing If (MIABD18Y = NA, NS) then MIAR18DY = missing If (MIABD22Y = NA, NS) then MIAR22AY = missing	Recode non-response to missing.

## 18) Mania - Persistence

**Variable name:** MIABDPER

**Based on:** MIABD3BY, MIABD3DY, MIABD6BY, MIABD6DY, MIABD18Y, MIABD22Y, MIABDEPS

**Previous Usage:** None

**Description:** This variable identifies the longest period associated with mania experienced by the respondent. It is calculated as the longest episode reported and is calculated only for respondents who meet the lifetime CCHS 1.2/WMH-CIDI criteria for manic episode.

Value of MIABDPER	Condition(s)	Explanation
NA	MIABDEPS = 2	Respondent did not meet the criteria for a lifetime manic episode
Maximum value of (MIAR3BY, MIAR3DY, MIAR6BY, MIAR6DY, MIAR18DY, MIAR22AY)  (min: 0; max: current age)	MIABDEPS = 1 and (MIABD3BY < NA or MIABD3DY < NA or MIABD6BY < NA or MIABD6DY < NA or MIABD18Y < NA or MIABD22Y < NA)	Persistence is the duration of the respondent's longest reported manic episode (in years).
NS	MIABDEPS = NS or (MIABD3BY = NA, NS) or (MIABD3DY = NA, NS) or (MIABD6BY = NA, NS) or (MIABD6DY = NA, NS) or (MIABD18Y = NA, NS) or MIABD22Y = NS	Respondent has a non-response (not applicable, not stated) value in one of the derived variables required for calculation.

## Mania – Past 12 months

### 19) Mania - Past 12 Months, Criterion A

**Variable name:** MIABDYA

**Based on:** MIABDEPS

**Previous Usage:** None

**Description:** This variable identifies respondents who meet the lifetime CCHS 1.2/WMH-CIDI criteria for manic episode.

Value of MIABDYA	Condition(s)	Explanation
1	MIABDEPS = 1	Respondent meets Criterion A.  Respondent meets the lifetime criteria for manic episode.
2	MIABDEPS = 2	Respondent does not meet Criterion A.  Respondent does not meet the lifetime criteria for manic episode.
NS	MIABDEPS = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.

## 20) Mania - Past 12 Months, Criterion B

**Variable name:** MIABDYB

**Based on:** MIAB\_19, MIAB\_191, MIAB\_03A, MIAB\_03C, MIAB\_06A, MIAB\_06C, MIAB\_18A, MIAB\_18B, DHHB\_AGE

**Previous Usage:** None

**Description:** This variable identifies respondents who report having a manic episode in the 12 months prior to the interview.

Value of MIABDYB	Condition(s)	Explanation
1	MIAB_19 = 1 or MIAB_191 = 1 or MIAB_03A = DHHB_AGE or MIAB_03C = DHHB_AGE or MIAB_06A = DHHB_AGE or MIAB_06C = DHHB_AGE or MIAB_18A = DHHB_AGE or MIAB_18B = DHHB_AGE	Respondent meets past 12-month CCHS 1.2/WMH-CIDI Criterion B.  Respondent reported having a manic episode in the 12 months prior to the interview.
2	[MIAB_19 = 2 or MIAB_191 = 2 or (MIAB_19 = NA and MIAB_191 = NA)] and [MIAB_03A < DHHB_AGE or MIAB_03C < DHHB_AGE or MIAB_06A < DHHB_AGE or MIAB_06C < DHHB_AGE or (MIAB_03A = NA and MIAB_03C = NA and MIAB_06A = NA and MIAB_06C = NA)] and [MIAB_18A < DHHB_AGE or MIAB_18B < DHHB_AGE or (MIAB_18A = NA and MIAB_18B = NA)]	Respondent does not meet Past 12-month CCHS 1.2/WMH-CIDI Criterion B.  Respondent did not report having a manic episode in the 12 months prior to the interview.
NS	(MIAB_19 = DK, R, NS) or (MIAB_191 = DK, R, NS) or (MIAB_03A = DK, R, NS) or (MIAB_03C = DK, R, NS) or (MIAB_06A = DK, R, NS) or (MIAB_06C = DK, R, NS) or (MIAB_18A = DK, R, NS) or (MIAB_18B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 21) Mania - Past 12 Months, Criterion C

**Variable name:** MIABDYC

**Based on:** MIAB\_27A, MIAB\_271, MIAB\_272, MIAB\_27C, MIAB\_27D, MIAB\_29, MIAB\_47

**Previous Usage:** None

**Description:** This variable identifies respondents who reported manic symptoms that caused clinically significant distress or impairment in social, occupational or other important areas of functioning in the 12 months prior to the interview.

Value of MIABDYC	Condition(s)	Explanation
1	$7 \leq \text{MIAB\_27A} \leq 10$ or $7 \leq \text{MIAB\_271} \leq 10$ or $7 \leq \text{MIAB\_272} \leq 10$ or $7 \leq \text{MIAB\_27C} \leq 10$ or $7 \leq \text{MIAB\_27D} \leq 10$ or $5 \leq \text{MIAB\_29} \leq 365$ or $\text{MIAB\_47} = 1$	<p>Respondent meets past 12 months CCHS 1.2/WMH-CIDI Criterion C.</p> <p>Respondent reported clinically significant distress or impairment in social, occupational or other important areas of functioning in the 12 months prior to interview.</p>
2	$(0 \leq \text{MIAB\_27A} < 7$ or $\text{MIAB\_27A} = \text{NA})$ and $[0 \leq \text{MIAB\_271} < 7$ or $(\text{MIAB\_271} = 11, \text{NA})]$ and $[0 \leq \text{MIAB\_272} < 7$ or $(\text{MIAB\_272} = 11, \text{NA})]$ and $(0 \leq \text{MIAB\_27C} < 7$ or $\text{MIAB\_27C} = \text{NA})$ and $(0 \leq \text{MIAB\_27D} < 7$ or $\text{MIAB\_27D} = \text{NA})$ and $(0 \leq \text{MIAB\_29} < 5$ or $\text{MIAB\_29} = \text{NA})$ and $(\text{MIAB\_47} = 2, \text{NA})$	<p>Respondent does not meet past 12 months CCHS 1.2/WMH-CIDI Criterion C.</p> <p>Respondent did not report clinically significant distress or impairment in social, occupational nor other important areas of functioning in the 12 months prior to interview.</p>
NS	$(\text{MIAB\_27A} = \text{DK, R, NS})$ or $(\text{MIAB\_271} = \text{DK, R, NS})$ or $(\text{MIAB\_272} = \text{DK, R, NS})$ or $(\text{MIAB\_27C} = \text{DK, R, NS})$ or $(\text{MIAB\_27D} = \text{DK, R, NS})$ or $(\text{MIAB\_29} = \text{DK, R, NS})$ or $(\text{MIAB\_47} = \text{DK, R, NS})$	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 22) Mania – Past 12 Months Algorithm

**Variable name:** MIABDEY

**Based on:** MIABDYA, MIABDYB, MIABDYC

**Previous Usage:** None

**Description:** This is the final variable that identifies whether respondents meet or fail to meet the CCHS 1.2/WMH-CIDI criteria for manic episode in the 12 months prior to the interview. Respondents who meet the criteria report:

1. meeting the criteria for lifetime manic episode;
2. having a manic episode in the 12 months prior to the interview; and
3. clinically significant distress or impairment in social, occupational or other important areas of functioning.

Value of MIABDEY	Condition(s)	Explanation
1	MIABDYA = 1 and MIABDYB = 1 and MIABDYC = 1	All CCHS 1.2/WMH-CIDI criteria are met for past 12-month mania.  Respondent reported (1) meeting the criteria for lifetime manic episode; (2) having a manic episode in the 12 months prior to the interview; and (3) clinically significant distress or impairment in social, occupational or other important areas of functioning.
2	MIABDYA = 2 or MIABDYB = 2 or MIABDYC = 2	All CCHS 1.2/WMH-CIDI Criteria are not met for past 12-month manic episode.  Respondent did not report (1) meeting the criteria for lifetime manic episode; (2) having a manic episode in the 12 months prior to the interview; or (3) clinically significant distress or impairment in social, occupational or other important areas of functioning.
NS	MIABDYA = NS or MIABDYB = NS or MIABDYC = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 23) Mania Interference - Mean

**Variable name:** MIABDINT

**Based on:** MIAB\_27A, MIAB\_271, MIAB\_272, MIAB\_27C, MIAB\_27D, MIABDEY

**Previous Usage:** None

**Description:** This variable describes the interference that mania had on daily activities and responsibilities in the past 12 months. This is a mean of the five items.

**Note:** This question is calculated only for respondents who meet the CCHS 1.2/WMH-CIDI criteria for a past 12-month episode.

Value of MIABDINT	Condition(s)	Explanation
NA	MIABDEY = 2	Respondent did not meet the CCHS 1.2/WMH-CIDI criteria for past 12-month manic episode.
NS	MIAB_27A = NA and MIAB_271 = NA and MIAB_272 = NA and MIAB_27C = NA and MIAB_27D = NA	Respondent reported having a manic episode in the 12 months prior to the interview, but were not asked the interference questions due to inconsistency in their reporting.
NS	MIABDEY = NS or (MIAB_27A = DK, R, or NS) or (MIAB_271 = DK, R, or NS) or (MIAB_272 = DK, R, or NS) or (MIAB_27C = DK, R, or NS) or (MIAB_27D = DK, R, or NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
$(\text{MIAB\_27A} + \text{MIAB\_271} + \text{MIAB\_272} + \text{MIAB\_27C} + \text{MIAB\_27D}) / 5$  (min: 0.0; max: 10.0) (round to .1)	MIABDEY = 1 and $0 \leq \text{MIAB\_271} \leq 10$ and $0 \leq \text{MIAB\_272} \leq 10$ and $0 \leq \text{MIAB\_27A} \leq 10$ and $0 \leq \text{MIAB\_27C} \leq 10$ and $0 \leq \text{MIAB\_27D} \leq 10$	Interference = mean of all five items. Respondent answered all five questions.
$(\text{MIAB\_27A} + \text{MIAB\_272} + \text{MIAB\_27C} + \text{MIAB\_27D}) / 4$  (min: 0.0; max: 10.0) (round to .1)	MIABDEY = 1 and MIAB_271 = 11 and $0 \leq \text{MIAB\_272} \leq 10$ and $0 \leq \text{MIAB\_27A} \leq 10$ and $0 \leq \text{MIAB\_27C} \leq 10$ and $0 \leq \text{MIAB\_27D} \leq 10$	Interference = mean of four items that applied to respondent.  MIAB_271 was not applicable (i.e., they did not attend school within the past 12 months).
$(\text{MIAB\_27A} + \text{MIABc\_271} + \text{MIAB\_27C} + \text{MIAB\_27D}) / 4$  (min: 0.0; max: 10.0) (round to .1)	MIABDEY = 1 and $0 \leq \text{MIAB\_271} \leq 10$ and MIAB_272 = 11 and $0 \leq \text{MIAB\_27A} \leq 10$ and $0 \leq \text{MIAB\_27C} \leq 10$ and $0 \leq \text{MIAB\_27D} \leq 10$	Interference = mean of four items that applied to respondent.  MIAB_272 was not applicable (i.e., they did not have a job within the past 12 months).
$(\text{MIAB\_27A} + \text{MIAB\_27C} + \text{MIAB\_27D}) / 3$  (min: 0.0; max: 10.0) (round to .1)	MIABDEY = 1 and MIAB_271 = 11 and MIAB_272 = 11 and $0 \leq \text{MIAB\_27A} \leq 10$ and $0 \leq \text{MIAB\_27C} \leq 10$ and $0 \leq \text{MIAB\_27D} \leq 10$	Interference = mean of three items that applied to respondent.  MIAB_271 and MIAB_272 were not applicable (i.e., they did not attend school and did not have a job within the past 12 months).

## 24) Flag for Mania Interference

**Variable name:** MIABFINT

**Based on:** MIAB\_27A, MIAB\_271, MIAB\_272, MIAB\_27C, MIAB\_27D, MIABDEY

**Previous Usage:** None

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

This question is calculated only for respondents who meet the CCHS 1.2/WMH-CIDI criteria for a 12-month episode.

Value of MIABFINT	Condition(s)	Explanation
NA	MIABDEY = 2	Respondent did not meet the criteria for past 12-month manic episode.
NS	MIAB_27A = NA and MIAB_271 = NA and MIAB_272 = NA and MIAB_27C = NA and MIAB_27D = NA	Respondent reported having a manic episode in the 12 months prior to the interview, but were not asked the interference questions due to inconsistency in their reporting.
1	MIABDEY = 1 and (7 <= MIAB_27A <= 10 or 7 <= MIAB_271 <= 10 or 7 <= MIAB_272 <= 10 or 7 <= MIAB_27C <= 10 or 7 <= MIAB_27D <= 10)	Mania caused significant interference with the person's normal routine, occupational (academic) functioning, or social activities or relationships in the past 12 months.
2	MIABDEY = 1 and [0 <= MIAB_27A <= 6 and (0 <= MIAB_271 <= 6 or MIAB_271 = 11) and (0 <= MIAB_272 <= 6 or MIAB_272 = 11) and 0 <= MIAB_27C <= 6 and 0 <= MIAB_27D <= 6]	Mania did not cause significant interference with the person's normal routine, occupation (academic) functioning nor social activities nor relationships in the past 12 months.
NS	MIABDEY = NS or (MIAB_27A = DK, R, or NS) or (MIAB_271 = DK, R, or NS) or (MIAB_272 = DK, R, or NS) or (MIAB_27C = DK, R, or NS) or (MIAB_27D = DK, R, or NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.



## Panic Disorder (36 DVs)

For the purpose of CCHS 1.2 – Mental Health and Well-being, Panic Disorder is characterised by repeated and unexpected attacks of intense fear and anxiety, in the absence of real danger, accompanied by physiological manifestations such as palpitations, chest pain, choking, dizziness, sweating, nausea or abdominal distress, trembling or hot flushes or chills.

The questions on Panic are based on a recognized World Mental Health version of the Composite International Diagnostic Interview (WMH-CIDI) modified for the needs of CCHS 1.2. The WMH-CIDI instrument, as part of the WMH2000 Project (World Mental Health 2000) is a World Health Organization worldwide initiative to assess the prevalence rates of various mental disorders in multiple countries.

The WMH-CIDI is a standardized instrument for assessment of mental disorders and conditions according to an operationalization of the definitions and criteria of DSM-IV and ICD-10. DSM refers to the Diagnostic and Statistical Manual of Mental Disorders used by the American Psychiatric Association. It is an internationally recognized classification of mental disorders with several versions. Mental conditions or problems found in the CCHS 1.2 are partially coded either to DSM-IV or DSM-III-R. CCHS 1.2 does not support the ICD-10 algorithms.

The WMH2000 Project supported several versions of the Computer-Assisted Personal Interview (CAPI) and Paper and Pencil Personal Interview (PAPI) WMH-CIDI instrument. The Project has already established a working group that will be examining the methodological differences to ensure that international comparison is done appropriately. Panic is one of five conditions in the WMH2000 Project that are assessed in this survey. Both lifetime and past year diagnoses are assessed. Past year episode refers to the 12 months preceding the interview.

As part of its support documentation, CCHS 1.2 is providing information on all temporary and interim derived variables used to compute the final derived variables of lifetime and past 12-month profiled conditions. For most users, the final derived variables in addition to the derived variables pertaining to recency, duration, onset and interference will be sufficient to conduct analyses.

In regards to Panic, the variables of primary interest are:

Variable	Concept	Variable Number
PADBATT	Lifetime algorithm-Attack	4
PADBDPDS	Lifetime algorithm-Disorder	8
PADBDATY	Past 12-month algorithm-Attack	13
PADBDDY	Disorder	17
PADBDONA	Onset – Attack	9
PADBDON	Onset - Disorder	10
PADBDREC	Recency	11

PADBDPER	Persistence	12
PABDINT	Past 12-month interference	18

The criteria used to derive the final variables for this current profiled mental condition along with their respective temporary and interim variables are operationalized to partially meet the DSM-IV definitions/classification. While the questionnaire and the algorithms are based on worldwide recognised approaches and classification, this method can not be used to diagnose individuals with this profile condition. Only professionally trained medical staff can do this.

The CCHS 1.2 instrument collects a wealth of information pertaining to this specific mental health condition such as number of symptoms and their overall severity, duration, and intensity; however, the structured approach used by the computerized instrument is not designed to collect some of the more complex information used by professionally trained staff to make a final diagnosis according to the DSM-IV classification. For example, there are no algorithms available to support the creation of derived variables pertaining to the subtypes or specifiers relevant to the disorder. Also, although the instrument does collect some information used for the operationalization of the organic/physical exclusions and the hierarchical ruling, STC recommends that this information be used by DSM experts in light of its complex nature.

In addition to information on mental conditions, the WMH-CIDI instrument also collects information on many important correlates of mental health such as health care service utilization and support. The CCHS 1.2 data collected on mental health correlates is not based on the WMH-CIDI instrument. Although international comparison on such data is important, Statistics Canada, in discussion with its stakeholders, decided that the CCHS 1.2 data should support and complement the Canadian information already available from CCHS 1.1 and other past NPHS cycles.

To facilitate comparison to the DSM, the criteria are more or less itemized in the way they appear in the DSM-IV. This correspondence is only used here to provide a common language that should ease the interpretation of the results. However, it would be inappropriate to assume a direct correspondence between our criteria and the DSM-IV criteria given the operational limitations associated with the questionnaire and the algorithm in addition to the complex nature of the topic.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI lifetime criteria associated with Panic Disorder reported:

1. recurrent unexpected panic attacks followed by at least a month of concern about having additional attacks or their implications or a change in behaviour related to attacks.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI 12-month criteria associated with Panic Disorder:

1. meet the criteria for lifetime diagnosis of Panic Disorder;
2. report a 12-month episode; and
3. report emotional distress.

Lifetime and 12-month Panic Attacks are also calculated.

For the purposes of this survey, respondents who experienced the following lifetime CCHS 1.2/WMH-CIDI criteria for Panic Attack report:

1. discrete period of intense fear or discomfort;
2. four or more physiological symptoms; and
3. symptoms develop abruptly and peak within ten minutes of their onset.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI criteria for 12-month Panic Attack:

1. meet the lifetime criteria for panic attack and
2. report a panic attack in the past 12 months.

## Panic Attack - Lifetime

### 1) Panic Attack - Lifetime Criterion A

**Variable name:** PADBDA

**Based on:** SCRB\_20, SCRB\_20A

**Previous Usage:** None

**Description:** This variable assesses CCHS 1.2/WMH-CIDI Criterion A of lifetime Panic attack and identifies respondents who report a discrete period of intense fear or discomfort at some time in their lives.

Value of PADBDA	Condition(s)	Explanation
1	SCRB_20 = 1 or SCRB_20A = 1	Respondent meets lifetime Criterion A.  Respondent reported a discrete period of intense fear or discomfort.
2	SCRB_20 = 2 and SCRB_20A = 2	Respondent does not meet lifetime Criterion A.  Respondent did not report a discrete period of intense fear nor discomfort.
NS	(SCRB_20 = DK, R, NS) or (SCRB_20A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

### 2) Panic Attack - Lifetime Criterion B

**Variable name:** PADBDB

**Based on:** PADBDB01, PADBDB02, PADBDB03, PADBDB04, PADBDB05, PADBDB06, PADBDB07, PADBDB08, PADBDB09, PADBDB10, PADBDB11, PADBDB12, PADBDB13, PADBDB14

**Previous Usage:** None

**Description:** This variable assesses whether the respondent meets Criterion B of the lifetime CCHS 1.2/WMH-CIDI criteria for panic attack. The criterion is met if the respondent reported four or more of the following 14 symptoms associated with panic:

1. palpitations, pounding heart, or accelerated heart rate;
2. sweating;
3. trembling or shaking;
4. shortness or breath;
5. feeling of choking;
6. chest pains or discomfort;
7. nausea or abdominal distress;
8. feeling dizzy, faint, unsteady, or light-headed;
9. feelings of unreality or being detached from oneself;
10. fear of losing control or going crazy;
11. fear of dying;
12. numbing or tingling sensations;
13. chills or hot flushes;
14. dry mouth.

The variables for these symptoms are created first and then used to calculate Criterion B.

**Note:** The questionnaire was designed so that the respondent skipped to PADB\_03 when the respondent gave four "yes" responses to PADB\_01A to PADB\_01P. It was assumed that once four questions were endorsed, the

four symptom requirement for Criterion B of Panic Attack would be met. However, this skip strategy overlooked the fact that PADB\_01G (dry mouth) was not one of the symptoms in the DSM-IV and also that PADB\_01D and PADB\_01M both contribute towards the same symptom (feeling dizzy, unsteady, light-headed or faint). This means that respondents who endorsed a total of four questions that included either PADB\_01G OR PADB\_01D and PADB\_01M and who skipped out before the reaching PADB\_01P will meet only three symptoms. They will fail to meet the CCHS 1.2/WMH-CIDI Criterion B of Panic Attack, which is a necessary DSM-IV criterion for Panic Attack and Panic Disorder. As a result of consultation with the WMH team, symptom 14 (dry mouth) was added to take PADB\_01G into consideration. No change is made to accommodate PADB\_01D and PADB\_01M.

## 2a) Symptom 1 – Palpitations, Pounding Heart, or Accelerated Heart Rate

**Variable name:** PADBDB01

**Based on:** PADB\_01A

**Previous Usage:** None

**Description:** This variable identifies respondents who reported palpitations, pounding heart, or accelerated heart rate as a symptom associated with a panic attack.

Value of PADBDB01	Condition(s)	Explanation
1	PADB_01A = 1	Respondent reported symptoms of palpitations, pounding heart, or accelerated heart rate.
2	(PADB_01A = 2, NA)	Respondent did not report symptoms of palpitations, pounding heart, or accelerated heart rate.
NS	(PADB_01A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 2b) Symptom 2 – Sweating

**Variable name:** PADBDB02

**Based on:** PADB\_01E

**Previous Usage:** None

**Description:** This variable identifies respondents who reported sweating as a symptom associated with a panic attack.

Value of PADBDB02	Condition(s)	Explanation
1	PADB_01E = 1	Respondent reported symptoms of sweating.
2	(PADB_01E = 2, NA)	Respondent did not report symptoms of sweating.
NS	(PADB_01E = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**2c) Symptom 3 – Trembling or Shaking****Variable name:** PADBDB03**Based on:** PADB\_01F**Previous Usage:** None**Description:** This variable identifies respondents who reported trembling or shaking as a symptom associated with a panic attack.

Value of PADBDB03	Condition(s)	Explanation
1	PADB_01F = 1	Respondent reported symptoms of trembling or shaking.
2	(PADB_01F = 2, NA)	Respondent did not report symptoms of trembling or shaking.
NS	(PADB_01F = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**2d) Symptom 4 – Sensation of Shortness of Breath****Variable name:** PADBDB04**Based on:** PADB\_01B**Previous Usage:** None**Description:** This variable identifies respondents who reported a sensation of shortness of breath as a symptom associated with a panic attack.

Value of PADBDB04	Condition(s)	Explanation
1	PADB_01B = 1	Respondent reported sensation of shortness of breath.
2	(PADB_01B = 2, NA)	Respondent did not report sensation of shortness of breath.
NS	(PADB_01B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**2e) Symptom 5 – Feeling of Choking****Variable name:** PADBDB05**Based on:** PADB\_01H**Previous Usage:** None**Description:** This variable identifies respondents who reported a feeling of choking as a symptom associated with a panic attack.

Value of PADBDB05	Condition(s)	Explanation
1	PADB_01H = 1	Respondent reported feelings of choking.
2	(PADB_01H = 2, NA)	Respondent did not report feelings of choking.
NS	(PADB_01H = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**2f) Symptom 6 – Chest Pain or Discomfort****Variable name:** PADBDB06**Based on:** PADB\_01I**Previous Usage:** None**Description:** This variable identifies respondents who reported chest pain or discomfort as a symptom associated with a panic attack.

Value of PADBDB06	Condition(s)	Explanation
1	PADB_01I = 1	Respondent reported symptoms of chest pain or discomfort.
2	(PADB_01I = 2, NA)	Respondent did not report symptoms of chest pain or discomfort.
NS	(PADB_01I = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**2g) Symptom 7 – Nausea or Abdominal Distress****Variable name:** PADBDB07**Based on:** PADB\_01C**Previous Usage:** None**Description:** This variable identifies respondents who reported nausea or abdominal distress as a symptom associated with a panic attack.

Value of PADBDB07	Condition(s)	Explanation
1	PADB_01C = 1	Respondent reported symptoms of nausea or abdominal distress.
2	(PADB_01C = 2, NA)	Respondent did not report symptoms of nausea or abdominal distress.
NS	(PADB_01C = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**2h) Symptom 8 – Feeling Dizzy, Unsteady, Light-Headed or Faint****Variable name:** PADBDB08**Based on:** PADB\_01D, PADB\_01M**Previous Usage:** None**Description:** This variable identifies respondents who reported feeling dizzy, unsteady, light-headed, or feeling faint as symptoms associated with a panic attack.

Value of PADBDB08	Condition(s)	Explanation
1	PADB_01D = 1 or PADB_01M = 1	Respondent reported symptoms of dizziness, unsteadiness, light-headedness, or feeling faint.
2	(PADB_01D = 2, NA) and (PADB_01M = 2, NA)	Respondent did not report symptoms of dizziness, unsteadiness, light-headedness, nor of feeling faint.
NS	(PADB_01D = DK, R, NS) or (PADB_01M = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**2i) Symptom 9 – Derealization or Depersonalization****Variable name:** PADBDB09**Based on:** PADB\_01K, PADB\_01L**Previous Usage:** None**Description:** This variable identifies respondents who reported feeling like they were “not really there” (depersonalization) or feeling that things around them were not real or like a dream (derealization) as symptoms associated with a panic attack.

Value of PADBDB09	Condition(s)	Explanation
1	PADB_01K = 1 or PADB_01L = 1	Respondent reported derealization or depersonalization.
2	(PADB_01K = 2, NA) and (PADB_01L = 2, NA)	Respondent did not report derealization nor depersonalization.
NS	(PADB_01K = DK, R, NS) or (PADB_01L = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**2j) Symptom 10 – Fear of Losing Control or Going Crazy****Variable name:** PADBDB10**Based on:** PADB\_01J**Previous Usage:** None**Description:** This variable identifies respondents who reported a fear of losing control or going crazy as symptoms associated with a panic attack.

Value of PADBDB10	Condition(s)	Explanation
1	PADB_01J = 1	Respondent reported fear of losing control or going crazy.
2	(PADB_01J = 2, NA)	Respondent did not report fears of losing control or going crazy.
NS	(PADB_01J = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**2k) Symptom 11 – Fear of Dying****Variable name:** PADBDB11**Based on:** PADB\_01N**Previous Usage:** None**Description:** This variable identifies respondents who reported a fear of dying as a symptom associated with a panic attack.

Value of PADBDB11	Condition(s)	Explanation
1	PADB_01N = 1	Respondent reported a fear of dying.
2	(PADB_01N = 2, NA)	Respondent did not report a fear of dying.
NS	(PADB_01N = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**2l) Symptom 12 – Paresthesias****Variable name:** PADBDB12**Based on:** PADB\_01P**Previous Usage:** None**Description:** This variable identifies respondents who reported feeling numbness or tingling sensations (paresthesias) as a symptom associated with a panic attack.

Value of PADBDB12	Condition(s)	Explanation
1	PADB_01P = 1	Respondent reported paresthesias.
2	(PADB_01P = 2, NA)	Respondent did not report paresthesias.
NS	(PADB_01P = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**2m) Symptom 13 – Chills or Hot Flushes****Variable name:** PADBDB13**Based on:** PADB\_01O**Previous Usage:** None**Description:** This variable identifies respondents who reported chills or hot flushes as a symptom associated with a panic attack.

Value of PADBDB13	Condition(s)	Explanation
1	PADB_01O = 1	Respondent reported chills or hot flushes.
2	(PADB_01O = 2, NA)	Respondent did not report chills or hot flushes.
NS	(PADB_01O = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**2n) Symptom 14 – Dry Mouth****Variable name:** PADBDB14**Based on:** PADB\_01G**Previous Usage:** None**Description:** This variable identifies respondents who reported dry mouth as a symptom associated with a panic attack.

Value of PADBDB14	Condition(s)	Explanation
1	PADB_01G = 1	Respondent reported dry mouth.
2	(PADB_01G = 2, NA)	Respondent did not report dry mouth.
NS	(PADB_01G = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**Calculating Panic Attack Criterion B:**

Value of PADBDB	Condition(s)	Explanation
1	At least 4 of (PADBDB01, PADBDB02, PADBDB03, PADBDB04, PADBDB05, PADBDB06, PADBDB07,	Respondent meets CCHS 1.2/WMH-CIDI Lifetime Criterion B.  Respondent reported four or more



	PADBDB08, PADBDB09, PADBDB10, PADBDB11, PADBDB12, PADBDB13, PADBDB14) = 1	symptoms associated with a panic attack.
2	At least 11 of (PADBDB01, PADBDB02, PADBDB03, PADBDB04, PADBDB05, PADBDB06, PADBDB07, PADBDB08, PADBDB09, PADBDB10, PADBDB11, PADBDB12, PADBDB13, PADBDB14) = 2	Respondent does not meet lifetime Criterion B.  Respondent did not report four or more symptoms associated with a panic attack.
NS	PADBDB01 = NS or PADBDB02 = NS or PADBDB03 = NS or PADBDB04 = NS or PADBDB05 = NS or PADBDB06 = NS or PADBDB07 = NS or PADBDB08 = NS or PADBDB09 = NS or PADBDB10 = NS or PADBDB11 = NS or PADBDB12 = NS or PADBDB13 = NS or PADBDB14 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

### 3) Panic Attack - Lifetime Criterion C

**Variable name:** PADBDC

**Based on:** PADB\_03

**Previous Usage:** None

**Description:** This variable assesses CCHS 1.2/WMH-CIDI Criterion C of lifetime Panic Attack. It identifies respondents who reported that their symptoms of panic developed abruptly and reached a peak within 10 minutes of the start of the attack.

Value of PADBDC	Condition(s)	Explanation
1	PADB_03 = 1	Respondent meets lifetime Criterion C.  Respondent reported that panic symptoms developed abruptly and reached a peak within 10 minutes.
2	(PADB_03 = 2, NA, DK)	Respondent does not meet lifetime Criterion C.  Respondent did not report abrupt symptoms or symptoms that reached a peak within 10 minutes, or reported that they didn't know if the symptoms developed abruptly and reached a peak within 10 minutes of the start of the attack.
NS	(PADB_03 = R, NS)	Respondent did not answer (refusal, not stated) the question required for calculation.

#### 4) Panic Attack - Lifetime Algorithm

**Variable name:** PADBDATT

**Based on:** PADBDA, PADBDB, PADBDC

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets the CCHS 1.2/WMH-CIDI criteria for lifetime Panic attack. The criteria are met if the respondent reported:

1. a discrete period of intense fear or discomfort;
2. four or more of the following 14 symptoms associated with panic: palpitations, pounding heart, or accelerated heart rate; sweating; trembling or shaking; shortness or breath; feeling of choking; chest pains or discomfort; nausea or abdominal distress; feeling dizzy, faint, unsteady, or light-headed; feelings of unreality or being detached from oneself; fear of losing control or going crazy; fear of dying; numbing or tingling sensations; chills or hot flushes; dry mouth; and
3. the symptoms developed abruptly and reached a peak within 10 minutes of the start of the attack.

Value of PADBDATT	Condition(s)	Explanation
1	PADBDA = 1 and PADBDB = 1 and PADBDC = 1	Respondent meets all the CCHS 1.2/WMH-CIDI criteria for lifetime Panic Attack.  Respondent reported (1) a discrete period of intense fear or discomfort; (2) four or more symptoms associated with panic; and (3) symptoms developed abruptly and reached a peak within 10 minutes.
2	PADBDA = 2 or PADBDB = 2 or PADBDC = 2	Respondent does not meet all the CCHS 1.2/WMH-CIDI criteria for lifetime Panic Attack.  Respondent did not report (1) a discrete period of intense fear or discomfort; (2) four or more symptoms associated with panic; or (3) symptoms developed abruptly and reached a peak within 10 minutes (or the respondent reported that they did not know if the symptoms developed abruptly and reached a peak within 10 minutes of the start of the attack).
NS	PADBDA = NS or PADBDB = NS or PADBDC = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## Panic Disorder - Lifetime

### 5) Panic Disorder - Lifetime Criterion A, Part 1

**Variable name:** PADBDDA1

**Based on:** PADBDATT, PADB\_04, PADB\_17A,

**Previous Usage:** None

**Description:** This variable assesses CCHS 1.2/WMH-CIDI Criterion A, part 1 of lifetime Panic Disorder. The variable identifies respondents who reported 4 or more recurrent unexpected panic attacks.

Value of PADBDDA1	Condition(s)	Explanation
1	PADBDATT = 1 and 3 < PADB_17A < NA	Respondent meets lifetime Criterion A, Part 1.  Respondent reported 4 or more recurrent unexpected panic attacks.
2	PADBDATT = 2 or (PADB_17A = 1, 2, 3, NA)	Respondent does not meet lifetime Criterion A, Part 1.  Respondent did not report 4 or more recurrent unexpected panic attacks.
NS	PADBDATT = NS or (PADB_17A = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refuse, not specified) at least one question required for calculation.

### 6) Panic Disorder - Lifetime Criterion A, Part 2

**Variable name:** PADBDDA2

**Based on:** PADBDAA, PADBDAB, PADBDAC

**Previous Usage:** None

**Description:** This variable assesses CCHS 1.2/WMH-CIDI lifetime Panic Disorder Criterion A, part 2. The variable identifies respondents who reported a month or more of at least one of the following:

1. persistent concerns about having additional attacks;
2. worry that something terrible might happen because of the attacks, like having a car accident, having a heart attack or losing control;
3. significant change in behaviour related to the attacks.

A variable for each symptom is created and then used to calculate Criterion A, part 2.

**6a) Symptom 1 – Persistent Concern About Having Additional Attacks****Variable name:** PADBDDAA**Based on:** PADB\_13A**Previous Usage:** None**Description:** This variable identifies respondents who reported a month or more when they often worried that they might have another attack.

Value of PADBDDAA	Condition(s)	Explanation
1	PADB_13A = 1	Respondent reported a month or more of worry about having another attack.
2	(PADB_13A = 2, NA)	Respondent did not report a month or more of worry about having another attack.
NS	(PADB_13A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**6b) Symptom 2 - Worry About Implications of the Attack or Its Consequences****Variable name:** PADBDDAB**Based on:** PADB\_13B**Previous Usage:** None**Description:** This variable identifies respondents who reported a month or more of worry that something terrible might happen because of the attacks, like having a car accident, having a heart attack or losing control.

Value of PADBDDAB	Condition(s)	Explanation
1	PADB_13B = 1	Respondent reported a month or more of worry that something terrible might happen because of attacks.
2	(PADB_13B = 2, NA)	Respondent did not report a month or more of worry that something terrible might happen because of attacks.
NS	(PADB_13B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

**6c) Symptom 3 – Significant Change in Behaviour Related to the Attacks****Variable name:** PADBDDAC**Based on:** PADB\_13C, PADB\_13D, PADB\_42**Previous Usage:** None**Description:** This variable identifies whether at least one of the attacks has been followed by one month or more of significant change in behaviour related to the attacks. These respondents changed their everyday activities or avoided certain situations because of fear of having another attack.

Value of PADBDDAC	Condition(s)	Explanation
1	PADB_13C = 1 or PADB_13D = 1 or (PADB_42 = 1, 2)	Respondent reported a month or more of change in behaviour related to the attacks.
2	(PADB_13C = 2, NA) and (PADB_13D = 2, NA) and (PADB_42 = 3, 4, 5, NA)	Respondent did not report a month or more of change in behaviour related to the attacks.
NS	(PADB_13C = DK, R, NS) or (PADB_13D = DK, R, NS) or (PADB_42 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**Calculating Panic Disorder Criterion A, Part 2:**

Value of PADBDDA2	Condition(s)	Explanation
1	PADBDDAA = 1 or PADBDDAB = 1 or PADBDDAC = 1	Respondent meets lifetime Criterion A, Part 2.  Respondent reported a month or more of worry about having additional attacks or worry about the implications of the attacks or behaviour change because of the attacks.
2	PADBDDAA = 2 and PADBDDAB = 2 and PADBDDAC = 2	Respondent does not meet lifetime Criterion A, Part 2.  Respondent did not report a month or more of worry about having additional attacks nor worry about the implications of the attacks nor behaviour change because of the attacks.
NS	PADBDDAA = NS or PADBDDAB = NS or PADBDDAC = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 7) Panic Disorder - Lifetime Criterion A (Parts 1 and 2 Combined)

**Variable name:** PADBDDA

**Based on:** PADBDDA1, PADBDDA2

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets Criterion A of the lifetime CCHS 1.2/WMH-CIDI algorithm.

The criterion is met if:

1. the respondent reported 4 or more recurrent unexpected panic attacks; and
2. the respondent reported at least one of the attacks have been followed by one month or more of worry about having additional attacks or about the consequences of the attacks or there is a significant changes in behaviour related to the attacks.

Value of PADBDDA	Condition(s)	Explanation
1	PADBDDA1 = 1 and PADBDDA2 = 1	Respondent meets lifetime Criterion A.  Respondent reported (1) 4 or more recurrent unexpected panic attacks; and (2) at least one of the attacks have been followed by one month or more of worry or change in behaviour related to the attacks.
2	PADBDDA1 = 2 or PADBDDA2 = 2	Respondent does not meet lifetime Criterion A.  Respondent did not report (1) 4 or more recurrent unexpected panic attacks; or (2) one month of worry or change in behaviour related to an attack.
NS	PADBDDA1 = NS or PADBDDA2 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 8) Panic Disorder - Lifetime Algorithm

**Variable name:** PADBDPDS

**Based on:** PADBDDA

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets the CCHS 1.2/WMH-CIDI diagnostic criteria for lifetime Panic Disorder. The criteria are met if the respondent reported:

1. 4 or more recurrent unexpected panic attacks; and
2. at least one of the attacks have been followed by one month or more of worry about having additional attacks, worry about the consequences of the attacks or changes in behaviour related to the attacks.

Value of PADBDPDS	Condition(s)	Explanation
1	PADBDDA = 1	Respondent meets all the CCHS 1.2/WMH-CIDI criteria for lifetime Panic Disorder  Respondent reported (1) 4 or more recurrent unexpected panic attacks; (2) at least one of the attacks have been followed by one month or more of worry about the attacks or significant changes in behaviour related to the attacks.
2	PADBDDA = 2	Respondent does not meet all the CCHS 1.2/WMH-CIDI criteria for lifetime Panic Disorder.  Respondent did not report (1) 4 or more recurrent unexpected panic attacks; or (2) one month of worry or behaviour change following an attack.
NS	PADBDDA = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 9) Panic Attack – Age of Onset

**Variable name:** PADBDONA

**Based on:** PADB\_04, PADB\_06, PADB\_07, PADB\_07A, PADB\_07B, PADB\_09A, PADB\_09B, PADB\_21, PADB\_37A, DHHB\_AGE

**Previous Usage:** None

**Description:** This variable identifies the respondent's age at their first panic attack. This variable is calculated for all respondents who answered the questions required for calculation, regardless of whether they meet the CCHS 1.2/WMH-CIDI criteria for Panic Disorder.

Value of PADBDONA	Condition(s)	Explanation
NA	PADB_04 = NA	Respondent was not asked the questions required for calculation.
Value in DHHB_AGE	PADB_04 = 1 and (PADB_06 = 1, 2, 3)	Age of onset is current age. Respondent reported only one lifetime panic attack.
Value in PADB_07A	PADB_04 = 1 and (PADB_06 = 4, DK, R) and PADB_07 = 1 and PADB_07A < NA	Age of onset is the age of the respondent's only panic attack. Respondent reported only one lifetime panic attack.
Value in PADB_07B	PADB_04 = 1 and (PADB_06 = 4, DK, R) and (PADB_07 = 2, DK) and PADB_07B < NA	Age of onset is the age of the respondent's only panic attack. Respondent reported only one lifetime panic attack.
Minimum value of (PADB_09A, PADB_09B, PADB_21, PADB_37A)	2 ≤ PADB_04 < NA and (PADB_09A < NA or PADB_09B < NA or PADB_21 < NA or PADB_37A < NA)	Age of onset is the age of the respondent's earliest reported panic attack. Respondent reported two or more lifetime panic attacks.
NS	(PADB_04 = DK, R, NS) or PADB_06 = NS or (PADB_07 = R, NS) or (PADB_07A = DK, R, NS) or (PADB_07B = DK, R, NS) or (PADB_09B = DK, R, NS) or (PADB_21 = DK, R, NS) or (PADB_37A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 10) Panic Disorder – Age of Onset

**Variable name:** PADBDON

**Based on:** PADBDONA, PADBDPDS

**Previous Usage:** None

**Description:** This variable identifies the respondent's age at their first panic attack. This variable is calculated only for respondents who meet the lifetime CCHS 1.2/WMH-CIDI criteria for Panic Disorder.

Value of PADBDON	Condition(s)	Explanation
Value in PADBDONA	PADBDPDS = 1 and PADBDONA < NS	Age of onset is the age of the respondent's earliest reported panic attack.
NA	(PADBDPDS = 2, NA)	Respondent did not meet the CCHS 1.2/WMH-CIDI lifetime criteria for Panic Disorder.
NS	PADBDPDS = NS or PADBDONA = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.



## Temporary Reformats

Reformat	Explanation
If (PADB_10D = DK, R, NS) then PADRQ10D = missing If (PADB_37A = DK, R, NS) then PADRQ37A = missing	Recode non-response to missing.

## 11) Panic Disorder – Recency Age

**Variable name:** PADBDREC

**Based on:** PADBDPDS, PADB\_10, PADB\_10D, PADB\_37A, DHHB\_AGE

**Previous Usage:** None

**Description:** This variable identifies the respondent's age at their last panic attack. This variable is only calculated for respondents who meet the CCHS 1.2/WMH-CIDI lifetime criteria for Panic Disorder.

Value of PADBDREC	Condition(s)	Explanation
NA	PADBDPDS = 2	Respondent did not meet the CCHS 1.2/WMH-CIDI criteria for lifetime Panic Disorder
DHHB_AGE	PADBDPDS = 1 and PADB_10 = 1	Recency age is current age when respondent reported a 12-month episode.
Maximum of (PADRQ10D, PADRQ37A)	PADBDPDS = 1 and (PADB_10D < NA or PADB_37A < NA)	Recency age is oldest age of episodes reported.
NS	PADBDPDS = NS or PADB_10D = DK, R, NS or PADB_37A = DK, R, NS	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refuse, not specified) at least one question required for calculation.

## 12) Panic Disorder – Persistence of Panic Disorder

**Variable name:** PADBDPER

**Based on:** PADBDPDS, PADBDON, PADBDREC

**Previous Usage:** None

**Description:** This variable identifies the longest period the respondent had symptoms associated with panic attacks. This variable is only calculated for respondents who meet the CCHS 1.2/WMH-CIDI criteria for Panic disorder. It is the difference in years between the age of first panic attack and age of most recent panic attack.

Value of PADBDPER	Condition(s)	Explanation
NA	PADBDPDS = 2	Respondent did not meet the CCHS 1.2/WMH-CIDI criteria for lifetime Panic Disorder
PADBDREC - PADBDON	PADBDPDS = 1 and PADBDREC < NA and PADBDON < NA	Persistence is the number of years between the respondent's first and most recent panic attacks.
NS	PADBDPDS = NS or PADBDREC = NS or PADBDON = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## Panic Attack – Past 12 months

### 13) Panic Attack, Past 12 Months

**Variable name:** PADBDATY

**Based on:** PADB\_06, PADB\_07A, PADB\_07B, PADB\_09A, PADB\_09B, PADB\_10, PADB\_10D, PADB\_21, DHHB\_AGE

**Previous Usage:** None

**Description:** This variable identifies respondents who reported having a panic attack in the 12 months prior to interview.

Value of PADBDATY	Condition(s)	Explanation
1	PADBDATT = 1 and [(PADB_06 = 1, 2, 3) or PADB_10 = 1 or PADB_07A = DHHB_AGE or PADB_07B = DHHB_AGE or PADB_09A = DHHB_AGE or PADB_09B = DHHB_AGE or PADB_10D = DHHB_AGE or PADB_21 = DHHB_AGE]	All CCHS 1.2/WMH-CIDI criteria are met for past 12-month Panic Attack.  Respondent reported having a panic attack in the 12 months prior to interview.
2	PADBDATT = 2 or [PADB_06 = 4 and (PADB_07A < DHHB_AGE or PADB_07B < DHHB_AGE)] or [PADB_10 = 2 and (PADB_09A < DHHB_AGE or PADB_09B < DHHB_AGE)] or (PADB_10D < DHHB_AGE and PADB_21 < DHHB_AGE) or (PADB_06 = NA and PADB_10 = NA) and (PADB_10D = NA and PADB_21 = NA)	All CCHS 1.2/WMH-CIDI criteria are not met for past 12-month Panic Attack.  Respondent did not report having a panic attack in the 12 months prior to interview.  Notes: PADB_06, PADB_07A, PADB_07B asked if only one attack and rest of questions asked only if more than 1 attack.
NS	PADBDATT = NS or (PADB_06 = DK, R, NS) or (PADB_07A = DK, R, NS) or (PADB_07B = DK, R, NS) or (PADB_10 = DK, R, NS) or (PADB_09A = DK, R, NS) or (PADB_09B = DK, R, NS) or (PADB_10D = DK, R, NS) or (PADB_21 = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refuse, not specified) at least one question required for calculation.

## 14) Panic Disorder – Past 12 Months, Criterion A

**Variable name:** PADBDYA

**Based on:** PADBDPDS

**Previous Usage:** None

**Description:** This variable identifies respondents who meet the CCHS 1.2/WMH-CIDI lifetime criteria for panic disorder.

Value of PADBDYA	Condition(s)	Explanation
1	PADBDPDS = 1	Respondent meets 12-month Criterion A.  Respondent meets the CCHS 1.2/WMH-CIDI criteria for lifetime Panic Disorder.
2	PADBDPDS = 2	Respondent does not meet 12-month Criterion A.  Respondent does not meet the CCHS 1.2/WMH-CIDI criteria for lifetime Panic Disorder.
NS	(PADBDPDS = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation.

## 15) Panic Disorder – Past 12 Months, Criterion B

**Variable name:** PADBDYB

**Based on:** PADB\_09A, PADB\_09B, PADB\_10, PADB\_10D, PADB\_21, DHHB\_AGE

**Previous Usage:** None

**Description:** This variable identifies respondents who reported having a panic attack in the 12 months prior to interview.

Value of PADBDYB	Condition(s)	Explanation
1	PADB_10 = 1 or PADB_09A = DHHB_AGE or PADB_09B = DHHB_AGE or PADB_10D = DHHB_AGE or PADB_21 = DHHB_AGE	Respondent meets past 12-month CCHS 1.2/WMH-CIDI Criterion B.  Respondent reported having a panic attack in the 12 months prior to interview
2	PADB_10 = 2 and (PADB_09A < DHHB_AGE or PADB_09B < DHHB_AGE) and PADB_10D < DHHB_AGE and (PADB_21 < DHHB_AGE or PADB_21 = NA) or PADB_10 = NA and PADB_09A = NA and PADB_09B = NA and PADB_10D = NA and PADB_21 = NA	Respondent does not meet the past 12-month CCHS 1.2/WMH-CIDI Criterion B.  Respondent did not report having a panic attack in the 12 months prior to interview.
NS	(PADB_10 = DK, R, NS) or (PADB_09A = DK, R, NS) or (PADB_09B = DK, R, NS) or (PADB_10D = DK, R, NS) or (PADB_21 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 16) Panic Disorder – Past 12 Months, Criterion C

**Variable name:** PADBDYC

**Based on:** PADB\_40

**Previous Usage:** None

**Description:** This variable identifies the respondents who reported significant emotional distress during a panic attack in the 12 months prior to the interview.

Value of PADBDYC	Condition(s)	Explanation
1	(PADB_40 = 3, 4, 5)	Respondent meets past 12-month CCHS 1.2/WMH-CIDI Criterion C.  Respondent reported significant emotional distress during a panic attack in the 12 months prior to interview.
2	(PADB_40 = 1, 2, NA)	Respondent does not meet Past 12-month CCHS 1.2/WMH-CIDI Criterion C.  Respondent did not report significant emotional distress during a panic attack in the 12 months prior to interview.
NS	(PADB_40 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 17) Panic Disorder – Past 12-Month Algorithm

**Variable name:** PADBDDY

**Based on:** PADBDYA, PADBDYB, PADBDYC

**Previous Usage:** None

**Description:** This variable identifies whether respondents meet or fail to meet the CCHS 1.2/WMH-CIDI criteria for Panic Disorder in the 12 months prior to interview. Respondents who meet the criteria reported:

1. meeting the criteria for lifetime Panic Disorder;
2. having a panic attack in the 12 months prior to interview; and
3. significant emotional distress during a panic attack in the 12 months prior to interview.

Value of PADBDDY	Condition(s)	Explanation
1	PADBDYA = 1 and PADBDYB = 1 and PADBDYC = 1	All CCHS 1.2/WMH-CIDI criteria are met for 12-month Panic Disorder.  Respondent reported (1) meeting the criteria for lifetime panic disorder; (2) having a panic attack in the 12 months prior to interview; and (3) significant emotional distress during a panic attack in the 12 months prior to interview.
2	PADBDYA = 2 or PADBDYB = 2 or PADBDYC = 2	All CCHS 1.2/WMH-CIDI criteria are not met for 12-month panic disorder.

		Respondent did not report (1) meeting the criteria for lifetime panic disorder; (2) having a panic attack in the 12 months prior to interview; or (3) significant emotional distress during a panic attack in the 12 months prior to interview.
NS	PADBDYA = NS or PADBDYB = NS or PADBDYC = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 18) Panic Disorder Interference - Mean

**Variable name:** PADBDINT

**Based on:** PADB\_44A, PADB\_441, PADB\_442, PADB\_44C, PADB\_44D, PADBDY

**Previous Usage:** None

**Description:** This variable describes the interference that panic disorder had on daily activities and responsibilities in the past 12 months. This is a mean of the five items. This variable is calculated only for respondents who meet the CCHS 1.2/WMH-CIDI criteria for a past 12-month panic disorder.

Value of PADBDINT	Condition(s)	Explanation
NA	PADBDY = 2	Respondent did not meet the criteria for 12-month panic disorder.
NS	PADBDY = NS or (PADB_44A = DK, R, or NS) or (PADB_441 = DK, R, or NS) or (PADB_442 = DK, R, or NS) or (PADB_44C = DK, R, or NS) or (PADB_44D = DK, R, or NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refuse, not specified) at least one question required for calculation.
$(\text{PADB\_44A} + \text{PADB\_441} + \text{PADB\_442} + \text{PADB\_44C} + \text{PADB\_44D}) / 5$  (min: 0.0; max: 10.0) (round to .1)	PADBDY = 1 and $0 \leq \text{PADB\_441} \leq 10$ and $0 \leq \text{PADB\_442} \leq 10$ and $0 \leq \text{PADB\_44A} \leq 10$ and $0 \leq \text{PADB\_44C} \leq 10$ and $0 \leq \text{PADB\_44D} \leq 10$	Interference = mean of all five items. Respondent answered all five questions.
$(\text{PADB\_44A} + \text{PADB\_442} + \text{PADB\_44C} + \text{PADB\_44D}) / 4$  (min: 0.0; max: 10.0) (round to .1)	PADBDY = 1 and PADB_441 = 11 and $0 \leq \text{PADB\_442} \leq 10$ and $0 \leq \text{PADB\_44A} \leq 10$ and $0 \leq \text{PADB\_44C} \leq 10$ and $0 \leq \text{PADB\_44D} \leq 10$	Interference = mean of four items that applied to respondent. PADB_441 was not applicable (i.e., they did not attend school within the past 12 months).
$(\text{PADB\_44A} + \text{PADB\_441} + \text{PADB\_44C} + \text{PADB\_44D}) / 4$  (min: 0.0; max: 10.0) (round to .1)	PADBDY = 1 and $0 \leq \text{PADB\_441} \leq 10$ and PADB_442 = 11 and $0 \leq \text{PADB\_44A} \leq 10$ and $0 \leq \text{PADB\_44C} \leq 10$ and $0 \leq \text{PADB\_44D} \leq 10$	Interference = mean of four items that applied to respondent. PADB_442 was not applicable (i.e., they did not have a job within the past 12 months).
$(\text{PADB\_44A} + \text{PADB\_44C} + \text{PADB\_44D}) / 3$  (min: 0.0; max: 10.0)	PADBDY = 1 and PADB_441 = 11 and PADB_442 = 11 and $0 \leq \text{PADB\_44A} \leq 10$ and	Interference = mean of three items that applied to respondent. PADB_441 and PADB_442 were not applicable (i.e., they did not attend

(round to .1)	0 <= PADB_44C <= 10 and 0 <= PADB_44D <= 10	school and did not have a job within the past 12 months.).
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## 19) Flag for Panic Disorder Interference

**Variable name:** PADBFINT

**Based on:** PADB\_44A, PADB\_441, PADB\_442, PADB\_44C, PADB\_44D, PADBDDY

**Previous Usage:** None

**Description:** This variable describes the interference that panic disorder had on daily activities and responsibilities in the past 12 months. This is a classification that indicates whether panic disorder interferes significantly with the person's normal routine, occupational (academic) functioning, or social activities or relationships. This question is calculated only for respondents who meet the CCHS 1.2/WMH-CIDI criteria for a past 12-month panic disorder.

Value of PADBFINT	Condition(s)	Explanation
NA	PADBDDY = 2	Respondent did not meet the criteria for 12-month panic disorder.
1	PADBDDY = 1 and (4 <= PADB_44A <= 10 or 4 <= PADB_441 <= 10 or 4 <= PADB_442 <= 10 or 4 <= PADB_44C <= 10 or 4 <= PADB_44D <= 10)	Panic disorder caused significant interference with the person's normal routine, occupational (academic) functioning, or social activities or relationships in the past 12 months
2	PADBDDY = 1 and [0 <= PADB_44A <= 3 and (0 <= PADB_441 <= 3 or PADB_441 = 11) and (0 <= PADB_442 <= 3 or PADB_442 = 11) and 0 <= PADB_44C <= 3 and 0 <= PADB_44D <= 3]	Panic disorder did not cause significant interference with the person's normal routine, occupation (academic) functioning nor social activities nor relationships in the past 12 months.
NS	PADBDDY = NS or (PADB_44A = DK, R, or NS) or (PADB_441 = DK, R, or NS) or (PADB_442 = DK, R, or NS) or (PADB_44C = DK, R, or NS) or (PADB_44D = DK, R, or NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refuse, not specified) at least one question required for calculation.

## **Social Phobia (22 DVs)**

For the purpose of CCHS 1.2 – Mental Health and Well-being, Social Phobia is characterised by a persistent, irrational fear of situations in which the person may be closely watched and judged by others, as in public speaking, eating, or using public facilities. Symptoms include avoidance or anxiety related to the situations and physical symptoms such as rapid heart rate, nausea, dry mouth, sweating, chest pain, faintness, dizziness, and panic attacks.

The questions on Social Phobia are based on a recognized World Mental Health version of the Composite International Diagnostic Interview (WMH-CIDI) modified for the needs of CCHS 1.2. The WMH-CIDI instrument, as part of the WMH2000 Project (World Mental Health 2000) is a World Health Organization worldwide initiative to assess the prevalence rates of various mental disorders in multiple countries.

The WMH-CIDI is a standardized instrument for assessment of mental disorders and conditions according to an operationalization of the definitions and criteria of DSM-IV and ICD-10. DSM refers to the Diagnostic and Statistical Manual of Mental Disorders used by the American Psychiatric Association. It is an internationally recognized classification of mental disorders with several versions. Mental conditions or problems found in the CCHS 1.2 are partially coded either to DSM-IV or DSM-III-R. CCHS 1.2 does not support the ICD-10 algorithms.

The WMH2000 Project supported several versions of the Computer-Assisted Personal Interview (CAPI) and Paper and Pencil Personal Interview (PAPI) WMH-CIDI instrument. The Project has already established a working group that will be examining the methodological differences to ensure that international comparison is done appropriately. Social Phobia is one of five conditions in the WMH2000 Project that are assessed in this survey. Both lifetime and past year diagnoses are assessed. Past year episode refers to the 12 months preceding the interview.

As part of its support documentation, CCHS 1.2 is providing information on all temporary and interim derived variables used to compute the final derived variables of lifetime and past 12-month profiled conditions. For most users, the final derived variables in addition to the derived variables pertaining to recency, duration, onset and interference will be sufficient to conduct analyses.

For Social Phobia, the variables of primary interest are:

Variable	Concept	Variable Number
SOPBDSP	Lifetime algorithm	13
SOPBDPY	Past 12-month algorithm	19
SOPBDON	Onset	15
SOPBDREC	Recency	14
SOPBDINT	Past 12-month interference	20

The criteria used to derive the final variables for this current profiled mental condition along with their respective temporary and interim variables are operationalized to partially meet the DSM-IV definitions/classification. While the questionnaire and the algorithms are based on worldwide recognised approaches and classification, this method can not be used to diagnose individuals with this profile condition. Only professionally trained medical staff can do this.

The CCHS 1.2 instrument collects a wealth of information pertaining to this specific mental health condition such as number of symptoms and their overall severity, duration, and intensity; however, the structured approach used by the computerized instrument is not designed to collect some of the more complex information used by professionally trained staff to make a final diagnosis according to the DSM-IV classification. For example, there are no algorithms available to support the creation of derived variables pertaining to the subtypes or specifiers relevant to the disorder. Also, although the instrument does collect some information used for the operationalization of the organic/physical exclusions and the hierarchical ruling, STC recommends that this information be used by DSM experts in light of its complex nature.

In addition to information on mental conditions, the WMH-CIDI instrument also collects information on many important correlates of mental health such as health care service utilization and support. The CCHS 1.2 data collected on mental health correlates is not based on the WMH-CIDI instrument. Although international comparison on such data is important, Statistics Canada, in discussion with its stakeholders, decided that the CCHS 1.2 data should support and complement the Canadian information already available from CCHS 1.1 and other past NPHS cycles.

To facilitate comparison to the DSM, the criteria are more or less itemized in the way they appear in the DSM-IV. This correspondence is only used here to provide a common language that should ease the interpretation of the results. However, it would be inappropriate to assume a direct correspondence between our criteria and the DSM-IV criteria given the operational limitations associated with the questionnaire and the algorithm in addition to the complex nature of the topic.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI lifetime criteria associated with social phobia reported:

1. a marked and persistent fear of one or more social or performance situations in which he/she is exposed to unfamiliar people or to possible scrutiny by others, and fear that he/she will act in a way (or show anxiety symptoms) that will be humiliating or embarrassing;
2. exposure to the feared social situation almost invariably provokes anxiety, which may take the form of a panic attack;
3. recognition that the fear is excessive or unreasonable;
4. the feared social or performance situations are avoided or endured with intense anxiety or distress;
5. the avoidance, anxious anticipation, or distress in the feared social or performance situation(s) interfere significantly with the person's normal routine, or social or occupational functioning; and
6. in individuals under age 18, the duration is at least six months.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI 12-month criteria associated with social phobia:

1. meet the criteria for lifetime diagnosis of social phobia;
2. report a 12-month episode; and
3. report marked impairment in occupational or social functioning.



## Social Phobia - Lifetime

### 1) Social Phobia - Lifetime Criterion A, Part 1

**Variable name:** SOPBDA1

**Based on:** SOPB\_01A, SOPB\_01B, SOPB\_01C, SOPB\_01D, SOPB\_01E, SOPB\_01F, SOPB\_01G, SOPB\_01H, SOPB\_01I, SOPB\_01J, SOPB\_01K, SOPB\_01L, SOPB\_01M, SOPB\_01N

**Previous Usage:** None

**Description:** This variable identifies respondents who reported a marked and persistent fear of one or more social or performance situations in which he/she is exposed to unfamiliar people or to possible scrutiny by others.

Value of SOPBDA1	Condition(s)	Explanation
1	SOPB_01A = 1 or SOPB_01B = 1 or SOPB_01C = 1 or SOPB_01D = 1 or SOPB_01E = 1 or SOPB_01F = 1 or SOPB_01G = 1 or SOPB_01H = 1 or SOPB_01I = 1 or SOPB_01J = 1 or SOPB_01K = 1 or SOPB_01L = 1 or SOPB_01M = 1 or SOPB_01N = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 1.  Respondent reported a marked and persistent fear of one or more social or performance situations in which the participant is exposed to unfamiliar people or to possible scrutiny by others.
2	(SOPB_01A = 2, 3, NA) and (SOPB_01B = 2, 3, NA) and (SOPB_01C = 2, 3, NA) and (SOPB_01D = 2, 3, NA) and (SOPB_01E = 2, 3, NA) and (SOPB_01F = 2, 3, NA) and (SOPB_01G = 2, 3, NA) and (SOPB_01H = 2, 3, NA) and (SOPB_01I = 2, 3, NA) and (SOPB_01J = 2, 3, NA) and (SOPB_01K = 2, 3, NA) and (SOPB_01L = 2, 3, NA) and (SOPB_01M = 2, 3, NA) and (SOPB_01N = 2, 3, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 1.  Respondent did not report a marked and persistent fear of one or more social or performance situations in which the participant is exposed to unfamiliar people or to possible scrutiny by others.
NS	(SOPB_01A = DK, R, NS) or (SOPB_01B = DK, R, NS) or (SOPB_01C = DK, R, NS) or (SOPB_01D = DK, R, NS) or (SOPB_01E = DK, R, NS) or (SOPB_01F = DK, R, NS) or (SOPB_01G = DK, R, NS) or (SOPB_01H = DK, R, NS) or (SOPB_01I = DK, R, NS) or (SOPB_01J = DK, R, NS) or (SOPB_01K = DK, R, NS) or (SOPB_01L = DK, R, NS) or (SOPB_01M = DK, R, NS) or (SOPB_01N = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 2) Social Phobia - Lifetime Criterion A, Part 2

**Variable name:** SOPBDA2

**Based on:** SOPB\_12, SOPB\_12A, SOPB\_13, SOPB\_14

**Previous Usage:** None

**Description:** This variable identifies respondents who report fears that he/she will act in a way (or show anxiety symptoms) that will be humiliating or embarrassing.

Value of SOPBDA2	Condition(s)	Explanation
1	SOPB_12 = 1 or SOPB_12A = 1 or SOPB_13 = 1 or SOPB_14 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 2.  Respondent reported fear of acting in a way that will be humiliating or embarrassing.
2	(SOPB_12 = 2, NA) and (SOPB_12A = 2, NA) and (SOPB_13 = 2, NA) and (SOPB_14 = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 2.  Respondent did not report fear of acting in a way that will be humiliating or embarrassing.
NS	(SOPB_12 = DK, R, NS) or (SOPB_12A = DK, R, NS) or (SOPB_13 = DK, R, NS) or (SOPB_14 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 3) Social Phobia - Lifetime Criterion A (Parts 1, 2 Combined)

**Variable name:** SOPBDA

**Based on:** SOPBDA1, SOPBDA2

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets Criterion A of the CCHS 1.2/WMH-CIDI lifetime algorithm. The criterion is met if the respondent reported:

1. a marked and persistent fear of one or more social or performance situations in which he/she is exposed to unfamiliar people or to possible scrutiny by others; and
2. fear of acting in a way (or show anxiety symptoms) that will be humiliating or embarrassing.

Value of SOPBDA	Condition(s)	Explanation
1	SOPBDA1 = 1 and SOPBDA2 = 1	Respondent meets lifetime Criterion A.  Respondent reported (1) a marked and persistent fear of one or more social or performance situations in which he/she is exposed to unfamiliar people or to possible scrutiny by others; and (2) fear of acting in a way (or show anxiety symptoms) that will be humiliating or embarrassing.
2	SOPBDA1 = 2 or SOPBDA2 = 2	Respondent does not meet lifetime Criterion A.  Respondent did not report (1) a

		marked and persistent fear of one or more social or performance situations in which he/she is exposed to unfamiliar people or to possible scrutiny by others; or (2) fear of acting in a way (or show anxiety symptoms) that will be humiliating or embarrassing.
NS	(SOPBDA1 = NS) or (SOPBDA2 = NS)	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

#### 4) Social Phobia - Lifetime Criterion B

**Variable name:** SOPBDB

**Based on:** SCRB\_291

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets Criterion B of the lifetime CCHS 1.2/WMH-CIDI algorithm. The criterion is met if the respondent reports that exposure to the feared social situation(s) almost invariably provoke anxiety, which may take the form of a situationally bound or situationally predisposed Panic attack.

Value of SOPBDB	Condition(s)	Explanation
1	SCRB_291 = 1	Respondent meets lifetime Criterion B.  Respondent reported that exposure to the feared social situation(s) almost invariably provoke anxiety.
2	(SCRB_291 = 2, NA)	Respondent does not meet lifetime Criterion B.  Respondent did not report that exposure to the feared social situation(s) almost invariably provoke anxiety.
NS	(SCRB_291 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 5) Social Phobia - Lifetime Criterion C

**Variable name:** SOPBDC

**Based on:** SCRB\_293

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets Criterion C of the lifetime CCHS 1.2/WMH-CIDI algorithm. The criterion is met if the respondent recognizes that his/her fear is excessive or unreasonable.

Value of SOPBDC	Condition(s)	Explanation
1	SCRB_293 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion C.  Respondent recognized that fear is excessive or unreasonable.
2	(SCRB_293 = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion C.  Respondent did not recognize that fear is excessive or unreasonable.
NS	(SCRB_293 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 6) Social Phobia - Lifetime Criterion D, Part 1

**Variable name:** SOPBDD1

**Based on:** SCRB\_292, SOPB\_20

**Previous Usage:** None

**Description:** This variable identifies respondents who reported the feared social or performance situation(s) are avoided.

Value of SOPBDD1	Condition(s)	Explanation
1	SCRB_292 = 1 or (SOPB_20 = 1, 2, 3)	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion D, Part 1.  Respondent reported that feared social or performance situation(s) are avoided.
2	(SCRB_292 = 2, NA) and (SOPB_20 = 4, 5, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criteria D, Part 1.  Respondent did not report that feared social or performance situations are avoided.
NS	(SCRB_292 = DK, R, NS) or (SOPB_20 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 7) Social Phobia - Lifetime Criterion D, Part 2

**Variable name:** SOPBDD2

**Based on:** SCRB\_291, SOPBD09, SOPB\_10, SOPB\_19

**Previous Usage:** None

**Description:** This variable identifies respondents who reported the feared social or performance situation(s) are endured with intense anxiety or distress. Two variables are created and then used to assess the CCHS 1.2/WMH-CIDI Criterion D, part 2.

### 7a) Temporary Variable

**Variable name:** SOPBT9NO

**Based on:** SOPB\_09N, SOPB\_09O

**Description:** This variable is used in the calculation of SOPBD09 and created here because SOPB\_09O is skipped if SOPB\_09N is yes. It identifies respondents who reported that, when in a feared social or performance situation:

1. they felt like they were not really there, like they were watching themselves in a movie (depersonalization); or
2. they felt things around them were not real or like a dream (derealization).

Value of SOPBT9NO	Condition(s)	Explanation
1	SOPB_09N = 1 or SOPB_09O = 1	Respondent reported feelings of depersonalization or derealization when in a feared situation.
2	(SOPB_09N = 2, NA) and (SOPB_09O = 2, NA)	Respondent did not report, feelings of depersonalization nor derealization when in a feared situation.
NS	(SOPB_09N = DK, R, NS) or (SOPB_09O = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

### 7b) Symptoms of anxiety or panic

**Variable name:** SOPBD09

**Based on:** SOPB\_09A, SOPB\_09B, SOPB\_09C, SOPB\_09D, SOPB\_09E, SOPB\_09F, SOPB\_09G, SOPB\_09H, SOPB\_09I, SOPB\_09J, SOPB\_09K, SOPB\_09L, SOPB\_09M, SOPBT9NO

**Previous Usage:** None

**Description:** This variable identifies respondents who reported experiencing at least two physiological or panic-like reactions when exposed to a feared social or performance situation.

Value of SOPBD09	Condition(s)	Explanation
1	At least 2 of (SOPB_09A, SOPB_09B, SOPB_09C, SOPB_09D, SOPB_09E, SOPB_09F, SOPB_09G, SOPB_09H, SOPB_09I, SOPB_09J, SOPB_09K, SOPB_09L, SOPB_09M, SOPBT9NO) = 1	Respondent reported at least two panic-like reactions when exposed to a feared social or performance situation.
2	At least 13 of (SOPB_09A, SOPB_09B, SOPB_09C, SOPB_09D, SOPB_09E, SOPB_09F, SOPB_09G, SOPB_09H, SOPB_09I, SOPB_09J, SOPB_09K, SOPB_09L, SOPB_09M, SOPBT9NO) = 2, NA	Respondent did not report two panic-like reactions when exposed to a feared social or performance situation.

NS	(SOPB_09A = DK, R, NS) or (SOPB_09B = DK, R, NS) or (SOPB_09C = DK, R, NS) or (SOPB_09D = DK, R, NS) or (SOPB_09E = DK, R, NS) or (SOPB_09F = DK, R, NS) or (SOPB_09G = DK, R, NS) or (SOPB_09H = DK, R, NS) or (SOPB_09I = DK, R, NS) or (SOPB_09J = DK, R, NS) or (SOPB_09K = DK, R, NS) or (SOPB_09L = DK, R, NS) or (SOPB_09M = DK, R, NS) or (SOPBT9NO = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation or respondent has a non-response (not stated) value in the derived variable required for calculation.
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**Calculating Social Phobia Lifetime Criterion D, part 2:**

Value of SOPBDD2	Condition(s)	Explanation
1	SCRB_291 = 1 and [SOPBD09 = 1 or (SOPB_19 = 4, 5) or SOPB_10 = 1]	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion D, Part 2.  Respondent reported that the feared social or performance situations are endured with intense anxiety or distress.
2	(SCRB_291 = 2, NA) or [SOPBD09 = 2 and (SOPB_19 = 1, 2, 3, NA) and (SOPB_10 = 2, NA)]	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion D, Part 2.  Respondent did not report the feared social or performance situations are endured with intense anxiety or distress.
NS	(SCRB_291 = DK, R, NS) or SOPBD09 = NS or (SOPB_19 = DK, R, NS) or (SOPB_10 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation or respondent has a non-response (not stated) value in the derived variable required for calculation.

## 8) Social Phobia - Lifetime Criterion D (Parts 1, 2 combined)

**Variable name:** SOPBDD

**Based on:** SOPBDD1, SOPBDD2

**Previous Usage:** None

**Description:** This variable identifies whether respondent meets Criterion D of the lifetime CCHS 1.2/WMH-CIDI algorithm. The criterion is met if the respondent reported:

1. that the feared social or performance situation(s) are avoided; or
2. that the feared social or performance situation(s) were endured with intense anxiety or distress.

Value of SOPBDD	Condition(s)	Explanation
1	SOPBDD1 = 1 or SOPBDD2 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion D.  Respondent reported (1) avoidance of the feared situations; or (2) intense anxiety or distress when faced with the feared situations.
2	SOPBDD1 = 2 and SOPBDD2 = 2	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion D.  Respondent did not report avoidance of the feared situations nor intense anxiety when faced with the feared situations.
NS	SOPBDD1 = NS or SOPBDD2 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 9) Social Phobia - Lifetime Criterion E

**Variable name:** SOPBDE

**Based on:** SOPB\_16, SOPBD215, SOPB\_23, SOPB\_25

**Previous Usage:** None

**Description:** This variable identifies respondents who reported that the avoidance, anxious anticipation, or distress in the feared social or performance situation(s) interfered significantly with the person's normal routine, occupational or academic functioning, or social activities or relationships. A variable is first created for 12-month interference in social or occupational functioning and then used to calculate Criteria E.

### 9a) Social and Occupational Interference

**Variable name:** SOPBD215

**Based on:** SOPB\_21A, SOPB\_211, SOPB\_212, SOPB\_21C, SOPB\_21D

**Previous Usage:** None

**Description:** This variable identifies whether, during the period of a month or longer in the 12 months prior to the interview when the symptoms were most severe, the respondent's feelings of fear about social or performance situations significantly interfered with their home responsibilities, responsibilities at school or work, his/her ability to form and maintain close relationships, or his/her social life.

Value of SOPBD215	Condition(s)	Explanation
1	5 <= SOPB_21A <= 10 or 5 <= SOPB_211 <= 10 or 5 <= SOPB_212 <= 10 or 5 <= SOPB_21C <= 10 or	The respondent experienced significant interference in home, work, or school responsibilities, or his/her ability to form and maintain

	5 <= SOPB_21D <= 10	close relationships, or his/her social life.
2	(0 <= SOPB_21A <= 4 or SOPB_21A = NA) and [0 <= SOPB_211 <= 4 or (SOPB_211 = 11, NA)] and [0 <= SOPB_212 <= 4 or (SOPB_212 = 11, NA)] and (0 <= SOPB_21C <= 4 or SOPB_21C = NA) and (0 <= SOPB_21D <= 4 or SOPB_21D = NA)	The respondent did not experience significant interference with home, work, and school responsibilities and his/her ability to form and maintain close relationships and in his/her social life.
NS	(SOPB_21A = DK, R, NS) or (SOPB_211 = DK, R, NS) or (SOPB_212 = DK, R, NS) or (SOPB_21C = DK, R, NS) or (SOPB_21D = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

### Calculating Social Phobia Lifetime Criterion E:

Value of SOPBDE	Condition(s)	Explanation
1	(SOPB_16 = 3, 4, 5) or SOPBD215 = 1 or 5 <= SOPB_23 <= 365 or SOPB_25 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion E.  Respondent reported the avoidance, anxious anticipation, or distress caused significant impairment in social, occupational or other important areas of functioning.
2	(SOPB_16 = 1, 2, NA) and SOPBD215 = 2 and (0 <= SOPB_23 <= 4 or SOPB_23 = NA) and (SOPB_25 = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion E.  Respondent did not report the avoidance, anxious anticipation, or distress caused significant impairment in social, occupational nor other important areas of functioning.
NS	(SOPB_16 = DK, R, NS) or SOPBD215 = NS or (SOPB_23 = DK, R, NS) or (SOPB_25 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation or respondent has a non-response (not stated) value in the derived variable required for calculation.



## 10) Social Phobia - Lifetime Criterion F, Part 1

**Variable name:** SOPBDF1

**Based on:** SOPB\_18, SOPB\_18A, DHHB\_AGE

**Previous Usage:** None

**Description:** Criterion F states that, in individuals under age 18 or in individuals whose symptoms all occurred before they were age 18, the symptoms must have persisted at least six months. There is no minimum duration for respondents who experienced an episode after age 18. CCHS 1.2/WMH-CIDI Criterion F, part 1 identifies respondents who reported that they were age 18 or older the last time they strongly feared or avoided a social or performance situation or respondent did not know the age of the last time they strongly feared or avoided a social or performance situation and were 18 years of age or over.

Value of SOPBDF1	Condition(s)	Explanation
1	(18 <= SOPB_18A < NA) or [(SOPB_18 = 1, 2, 3) and DHHB_AGE >= 18] or (SOPB_18A = DK and DHHB_AGE >= 18)	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion F, Part 1.  Respondent reported that they were 18 years or older the last time they strongly feared or avoided a social or performance situation or respondent did not know the age of the last time they strongly feared or avoided a social or performance situation and were 18 years of age or over.
2	DHHB_AGE < 18 or SOPB_18A < 18 or (SOPB_18 = NA and SOPB_18A = NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion F, Part 1.  Respondent is under age 18 or reported that they were under age 18 the last time they strongly feared or avoided a social or performance situation.
NS	(SOPB_18 = DK, R, NS) or (SOPB_18A = R, NS)	Respondent did not answer (refusal, not stated) at least one question required for calculation.

### Temporary Reformats

Reformat	Explanation
If (SOPB_03A = NA, DK, R, NS) then SOPRO3A = missing If (SOPB_03B = NA, DK, R, NS) then SOPRO3B = missing If (SOPB_06A = NA, DK, R, NS) then SOPRO6A = missing If (SOPB_18A = NA, DK, R, NS) then SOPRO18A = missing If (SOPB_25A = NA, DK, R, NS) then SOPRO25A = missing If (SOPB_36A = NA, DK, R, NS) then SOPRO36A = missing If (SOPB_39A = NA, DK, R, NS) then SOPRO39A = missing If (SOPB_18 = 1, 2, 3) then SOPRO18A = DHHB_AGE	Set non-response to missing for calculations.  Set age last feared to current age if respondent reported fear in past 12 months.

## 11) Social Phobia - Lifetime Criterion F, Part 2

**Variable name:** SOPBDF2

**Based on:** SOPB\_03A, SOPB\_03B, SOPB\_06A, SOPB\_18A, SOPB\_25A, SOPB\_36A, SOPB\_39A

**Previous Usage:** None

**Description:** Criterion F states that, in individuals under age 18 or in individuals whose symptoms all occurred before they were age 18, the symptoms must have persisted at least six months. There is no minimum duration for respondents who experienced an episode after age 18. CCHS 1.2/WMH-CIDI Criterion F, part 2 identifies whether the symptoms persisted at least six months. This is assessed by calculating whether any two dates collected have a difference of greater than one year.

**Note:** Because the dates available are ages in years, any difference of greater than one year is taken as evidence that the duration lasted longer than six months.

Value of SOPBDF2	Condition(s)	Explanation
1	Maximum of (SOPRQ03A, SOPRQ03B, SOPRQ06A, SOPRQ18A, SOPRQ25A, SOPRQ36A, SOPRQ39A) – {minus} Minimum of (SOPRQ03A, SOPRQ03B, SOPRQ06A, SOPRQ18A, SOPRQ25A, SOPRQ36A, SOPRQ39A) ≥ 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion F, Part 2.  Respondent reported that the duration was greater than six months.
NS	[(SOPB_03B = DK, R, NS) and (SOPB_06A = NA, DK, R, NS)] or (SOPB_18A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated, not applicable) at least one question required for calculation.  Note: Since the difference between age of onset and recency age provides the longest duration, respondents are set to Not Stated if they fail to meet the criterion and either age of onset or recency age are non-response.
2	Maximum of (SOPRQ03A, SOPRQ03B, SOPRQ06A, SOPRQ18A, SOPRQ25A, SOPRQ36A, SOPRQ39A) – {minus} Minimum of (SOPRQ03A, SOPRQ03B, SOPRQ06A, SOPRQ18A, SOPRQ25A, SOPRQ36A, SOPRQ39A) = 0 or (SOPRQ03A = NA and SOPRQ03B = NA and SOPRQ06A = NA and SOPRQ18A = NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion F, Part 2.  Respondent did not report that the duration is greater than six months.

## 12) Social Phobia - Lifetime Criterion F (Parts 1, 2 Combined)

**Variable name:** SOPBDF

**Based on:** SOPBDF1, SOPBDF2

**Previous Usage:** None

**Description:** Criterion F states that, in individuals under age 18 or in individuals whose symptoms all occurred before they were age 18, the symptoms must have persisted at least six months. There is no minimum duration for respondents who experienced an episode after age 18. This variable identifies whether the respondent meets Criterion F of the lifetime CCHS 1.2/WMH-CIDI diagnostic criteria. The criterion is met if the respondent reported:

1. that they were age 18 or older the last time they strongly feared or avoided a social or performance situation or respondent did not know the age of the last time they strongly feared or avoided a social or performance situation and were 18 years of age or over; or
2. that they strongly feared or avoided a social or performance situation for longer than six months (operationalized as longer than one year).

Value of SOPBDF	Condition(s)	Explanation
1	SOPBDF1 = 1 or SOPBDF2 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion F.  Respondent (1) was age 18 or more the last time they strongly feared or avoided a social or performance situation or (2) the duration of the fear or avoidance was longer than six months.
2	SOPBDF1 = 2 and SOPBDF2 = 2	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion F.  Respondent (1) was age 18 or more the last time they strongly feared or avoided a social or performance situation or (2) the duration of the fear or avoidance was longer than six months.
NS	SOPBDF1 = NS or SOPBDF2 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

### 13) Social Phobia - Lifetime Algorithm

**Variable name:** SOPBDSP

**Based on:** SOPBDA, SOPBDB, SOPBDC, SOPBDD, SOPBDE, SOPBDF

**Previous Usage:** None

**Description:** This is the final variable that identifies whether respondents meet or fail to meet the CCHS 1.2/WMH-CIDI criteria for lifetime Social Phobia. Respondents who meet the criteria reported:

1. a marked and persistent fear of one or more social or performance situations in which he/she is exposed to unfamiliar people or to possible scrutiny by others and fear of acting in a way (or show anxiety symptoms) that will be humiliating or embarrassing;
2. that exposure to the feared social situation(s) almost invariably provoke anxiety;
3. that they recognise their fear is excessive or unreasonable;
4. that the feared social or performance situation(s) are avoided or that the feared social or performance situation(s) were endured with intense anxiety or distress;
5. significant interference with their normal routine, occupational or academic functioning, or social activities or relationships; and
6. that they were age 18 or older the last time they strongly feared or avoided a social or performance situation or respondent did not know the age of the last time they strongly feared or avoided a social or performance situation and were 18 years of age or over or that they strongly feared or avoided a social or performance situation for longer than six months.

Value of SOPBDSP	Condition(s)	Explanation
1	SOPBDA = 1 and SOPBDB = 1 and SOPBDC = 1 and SOPBDD = 1 and SOPBDE = 1 and SOPBDF = 1	Respondent meets the CCHS 1.2/WMH-CIDI criteria for lifetime social phobia.  Respondent reported fear of one or more social or performance situations; experienced anxiety when faced with the feared situation; recognized the fear as excessive; avoided or endured situations with intense distress; interference in normal routines or social or occupational functioning; and recency age was over age 18 or duration was greater than six months.
2	SOPBDA = 2 or SOPBDB = 2 or SOPBDC = 2 or SOPBDD = 2 or SOPBDE = 2 or SOPBDF = 2	Respondent does not meet the CCHS 1.2/WMH-CIDI criteria for lifetime social phobia.  Respondent did not report fear of one or more social or performance situations; or anxiety when faced with the feared situation; or thought the fear was excessive; or avoided or endured situations with intense distress; or experienced interference in normal routines or social or occupational functioning; or recency age was under age 18 and duration was less than six months.
NS	SOPBDA = NS or SOPBDB = NS or	Respondent has a non-response (not stated) value in one of the

	SOPBDC = NS or SOPBDD = NS or SOPBDE = NS or SOPBDF = NS	derived variables required for calculation.
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## 14) Social Phobia – Recency Age

**Variable name:** SOPBDREC

**Based on:** SOPB\_18, SOPB\_18A, DHHB\_AGE

**Previous Usage:** None

**Description:** This variable identifies the respondent's age the last time he/she strongly feared or avoided social or performance situations. This variable is only calculated for respondents who meet the lifetime criteria for social phobia.

Value of SOPBDREC	Condition(s)	Explanation
NA	SOPBDSP = 2	Respondent does not meet the CCHS 1.2/WMH-CIDI lifetime criteria for Social Phobia.
DHHB_AGE	SOPBDSP = 1 and (SOPB_18 = 1, 2, 3 )	Recency age is current age.
Value in SOPB_18A	SOPBDSP = 1 and (SOPB_18 = 4, DK) and SOPB_18A < NA	Recency age is age when respondent last feared or avoided social or performance situations.
NS	SOPBDSP = NS or (SOPB_18 = R, NS) or (SOPB_18A = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refuse, not specified) at least one question required for calculation.

## 15) Social Phobia – Age of Onset

**Variable name:** SOPBDON

**Based on:** SOPB\_03A, SOPB\_03B, SOPB\_06A, DHHB\_AGE

**Previous Usage:** None

**Description:** The age of onset for social phobia is the respondent's age when they first started fearing the social or performance situations. This variable is calculated only for respondents who meet the criteria for social phobia.

Value of SOPBDON	Condition(s)	Explanation
NA	SOPBDSP = 2	Respondent does not meet the lifetime CCHS 1.2/WMH-CIDI criteria Social Phobia.
Minimum value in (SOPB_03A, SOPB_03B, SOPB_06A)	SOPBDSP = 1 and (SOPB_03A <= DHHB_AGE or SOPB_03B <= DHHB_AGE or SOPB_06A <= DHHB_AGE)	Age of onset is the age when the respondent first started fearing social or performance situations.
NS	SOPBDSP = NS or (SOPB_03A = DK, R, NS) or (SOPB_03B = DK, R, NS) or (SOPB_06A = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refuse, not specified) at least one question required for calculation.

## Social Phobia – Past 12 Months

### 16) Social Phobia – Past 12 Months, Criterion A

**Variable name:** SOPBDYA

**Based on:** SOPBDSP

**Previous Usage:** None

**Description:** This variable identifies respondents who meet the CCHS 1.2/WMH-CIDI criteria for lifetime Social Phobia.

Value of SOPBDYA	Condition(s)	Explanation
1	SOPBDSP = 1	Respondent meets 12-month Criterion A.  Respondent met the criterion for lifetime Social Phobia.
2	SOPBDSP = 2	Respondent does not meet 12-month Criterion A.  Respondent did not meet the criterion for lifetime Social Phobia.
NS	(SOPBDSP = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation.

### 17) Social Phobia – Past 12 Months, Criterion B

**Variable name:** SOPBDYB

**Based on:** SOPB\_18, SOPB\_18A, SOPB\_03A, SOPB\_03B, SOPB\_06A, DHHB\_AGE

**Previous Usage:** None

**Description:** This variable identifies respondents who reported they strongly feared or avoided social or performance situation(s) in the 12 months prior to the interview.

Value of SOPBDYB	Condition(s)	Explanation
1	(SOPB_18 = 1, 2, 3) or SOPB_03A = DHHB_AGE or SOPB_03B = DHHB_AGE or SOPB_06A = DHHB_AGE or SOPB_18A = DHHB_AGE	Respondent meets 12-month CCHS 1.2/WMH-CIDI Criterion B.  Respondent reported they feared or avoided social or performance situations in the 12 months prior to the interview.
2	(SOPB_18 = 4, NA) and (SOPB_18A < DHHB_AGE or SOPB_18A = NA) and (SOPB_03A < DHHB_AGE or SOPB_03B < DHHB_AGE or [SOPB_03A = NA and SOPB_03B = NA]) and (SOPB_06A < DHHB_AGE or SOPB_06A = NA)	Respondent does not meet 12-month CCHS 1.2/WMH-CIDI Criterion B.  Respondent did not report they feared or avoided social or performance situations in the 12 months prior to the interview.
NS	(SOPB_18 = DK, R, NS) or (SOPB_18A = DK, R, NS) or (SOPB_03A = DK, R, NS) or (SOPB_03B = DK, R, NS) or (SOPB_06A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

**18) Social Phobia – Past 12 Months, Criterion C****Variable name:** SOPBDYC**Based on:** SOPB\_20, SOPB\_21A, SOPB\_211, SOPB\_212, SOPB\_21C, SOPB\_21D, SOPB\_23, SOPB\_38**Previous Usage:** None**Description:** This variable identifies respondents who reported that their fear or avoidance caused clinically significant distress or impairment in social, occupational or other important areas of functioning in the 12 months prior to interview.

Value of SOPBDYC	Condition(s)	Explanation
1	(SOPB_20 = 1, 2, 3) or 5 <= SOPB_21A <= 10 or 5 <= SOPB_211 <= 10 or 5 <= SOPB_212 <= 10 or 5 <= SOPB_21C <= 10 or 5 <= SOPB_21D <= 10 or 5 <= SOPB_23 <= 365 or SOPB_38 = 1	Respondent meets past 12-month CCHS 1.2/WMH-CIDI Criterion C.  Respondent reported clinically significant distress or impairment in social, occupational or other important areas of functioning in the 12 months prior to interview.
2	(SOPB_20 = 4, 5, NA) and (0 <= SOPB_21A <= 4 or SOPB_21A = NA) and [0 <= SOPB_211 <= 4 or (SOPB_211 = 11, NA)] and [0 <= SOPB_212 <= 4 or (SOPB_212 = 11, NA)] and (0 <= SOPB_21C <= 4 or SOPB_21C = NA) and (0 <= SOPB_21D <= 4 or SOPB_21D = NA) and (0 <= SOPB_23 <= 4 or SOPB_23 = NA) and (SOPB_38 = 2, NA)	Respondent does not meet past 12-month CCHS 1.2/WMH-CIDI Criterion C.  Respondent did not report clinically significant distress or impairment in social, occupational nor other important areas of functioning in the 12 months prior to interview.
NS	(SOPB_20 = DK, R, NS) or (SOPB_21A = DK, R, NS) or (SOPB_211 = DK, R, NS) or (SOPB_212 = DK, R, NS) or (SOPB_21C = DK, R, NS) or (SOPB_21D = DK, R, NS) or (SOPB_23 = DK, R, NS) or (SOPB_38 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 19) Social Phobia – Past 12 Months Algorithm

**Variable name:** SOPBDPY

**Based on:** SOPBDYA, SOPBDYB, SOPBDYC

**Previous Usage:** None

**Description:** This is the final variable that identifies whether respondents meet or fail to meet the CCHS 1.2/WMH-CIDI criteria for social phobia in the 12 months prior to the interview. Respondents who meet the criteria reported:

1. meeting the criteria for lifetime social phobia;
2. fearing or avoiding social or performance situation(s) in the 12 months prior to the interview; and
3. clinically significant distress or impairment in social, occupational or other important areas of functioning.

Value of SOPBDPY	Condition(s)	Explanation
1	SOPBDYA = 1 and SOPBDYB = 1 and SOPBDYC = 1	All CCHS 1.2/WMH-CIDI criteria are met for past 12-month social phobia.  Respondent reported (1) meeting the criteria for lifetime social phobia; (2) fearing or avoiding social or performance situation(s) in the 12 months prior to the interview; and (3) clinically significant distress or impairment in social, occupational or other important areas of functioning.
2	SOPBDYA = 2 or SOPBDYB = 2 or SOPBDYC = 2	All CCHS 1.2/WMH-CIDI criteria are not met for past 12-month social phobia.  Respondent did not report (1) meeting the criteria for lifetime social phobia; (2) fearing or avoiding social or performance situations in the 12 months prior to the interview; or (3) clinically significant distress or impairment in social, occupational or other important areas of functioning.
NS	SOPBDYA = NS or SOPBDYB = NS or SOPBDYC = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.



## 20) Social Phobia Interference - Mean

**Variable name:** SOPBDINT

**Based on:** SOPB\_21A, SOPB\_211, SOPB\_212, SOPB\_21C, SOPB\_21D, SOPBDPY

**Previous Usage:** None

**Description:** This variable describes the interference that social phobia had on daily activities and responsibilities in the past 12 months. This is a mean of the five items. This variable is calculated only for respondents who meet the CCHS 1.2/WMH-CIDI criteria for a past 12-month episode.

**Note:** Respondents who reported that 'if they were faced with the same situation that provoked social phobia today, that they would have mild or no fear' were not asked the inference questions.

Value of SOPBDINT	Condition(s)	Explanation
NA	SOPBDPY = 2	Respondent did not meet the CCHS 1.2/WMH-CIDI criteria for 12-month social phobia.
NS	SOPB_21A = NA and SOPB_211 = NA and SOPB_212 = NA and SOPB_21C = NA and SOPB_21D = NA	Respondent was not asked the interference questions because they reported that 'if they were faced with the same situation that provoked social phobia today, that they would have mild or no fear'.
NS	SOPBDPY = NS or (SOPB_21A = DK, R, NS) or (SOPB_211 = DK, R, NS) or (SOPB_212 = DK, R, NS) or (SOPB_21C = DK, R, NS) or (SOPB_21D = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refuse, not specified) at least one question required for calculation.
$\frac{(\text{SOPB\_21A} + \text{SOPB\_211} + \text{SOPB\_212} + \text{SOPB\_21C} + \text{SOPB\_21D})}{5}$ (min : 0.0; max : 10.0) (round to .1)	SOPBDPY = 1 and $0 \leq \text{SOPB\_211} \leq 10$ and $0 \leq \text{SOPB\_212} \leq 10$ and $0 \leq \text{SOPB\_21A} \leq 10$ and $0 \leq \text{SOPB\_21C} \leq 10$ and $0 \leq \text{SOPB\_21D} \leq 10$	Interference = mean of all five items. Respondent answered all five questions.
$\frac{(\text{SOPB\_21A} + \text{SOPB\_212} + \text{SOPB\_21C} + \text{SOPB\_21D})}{4}$ (min : 0.0; max : 10.0) (round to .1)	SOPBDPY = 1 and SOPB_211 = 11 and $0 \leq \text{SOPB\_212} \leq 10$ and $0 \leq \text{SOPB\_21A} \leq 10$ and $0 \leq \text{SOPB\_21C} \leq 10$ and $0 \leq \text{SOPB\_21D} \leq 10$	Interference = mean of four items that applied to respondent. SOPB_211 was not applicable (i.e., they did not attend school within the past 12 months).
$\frac{(\text{SOPB\_21A} + \text{SOPB\_211} + \text{SOPB\_21C} + \text{SOPB\_21D})}{4}$ (min : 0.0; max : 10.0) (round to .1)	SOPBDPY = 1 and $0 \leq \text{SOPB\_211} \leq 10$ and SOPB_212 = 11 and $0 \leq \text{SOPB\_21A} \leq 10$ and $0 \leq \text{SOPB\_21C} \leq 10$ and $0 \leq \text{SOPB\_21D} \leq 10$	Interference = mean of four items that applied to respondent. SOPB_212 was not applicable (i.e., they did not have a job within the past 12 months).
$\frac{(\text{SOPB\_21A} + \text{SOPB\_21C} + \text{SOPB\_21D})}{3}$ (min : 0.0; max : 10.0) (round to .1)	SOPBDPY = 1 and SOPB_211 = 11 and SOPB_212 = 11 and $0 \leq \text{SOPB\_21A} \leq 10$ and $0 \leq \text{SOPB\_21C} \leq 10$ and $0 \leq \text{SOPB\_21D} \leq 10$	Interference = mean of three items that applied to respondent. SOPB_211 and SOPB_212 were not applicable (i.e., they did not attend school and did not have a job within the past 12 months).

## 21) Flag for Social Phobia Interference

**Variable name:** SOPBFINT

**Based on:** SOPB\_21A, SOPB\_211, SOPB\_212, SOPB\_21C, SOPB\_21D, SOPBDPY

**Previous Usage:** None

**Description:** This variable describes the interference that social phobia had on daily activities and responsibilities in the past 12 months. This is a classification that indicates whether social phobia interferes significantly with the person's normal routine, occupational (academic) functioning, or social activities or relationships. This question is calculated only for respondents who meet the CCHS 1.2/WMH-CIDI criteria for a past 12-month episode.

**Note:** Respondents who reported that 'if they were faced with the same situation that provoked social phobia today, that they would have mild or no fear' were not asked the inference questions.

Value of SOPBFINT	Condition(s)	Explanation
NA	SOPBDPY = 2	Respondent did not meet the criteria for 12-month social phobia.
NS	SOPB_21A = NA and SOPB_211 = NA and SOPB_212 = NA and SOPB_21C = NA and SOPB_21D = NA	Respondent was not asked the interference questions because they reported that 'if they were faced with the same situation that provoked social phobia today, that they would have mild or no fear'.
1	SOPBDPY = 1 and (5 ≤ SOPB_21A ≤ 10 or 5 ≤ SOPB_211 ≤ 10 or 5 ≤ SOPB_212 ≤ 10 or 5 ≤ SOPB_21C ≤ 10 or 5 ≤ SOPB_21D ≤ 10)	Social phobia caused significant interference with the person's normal routine, occupational (academic) functioning, or social activities or relationships in the past 12 months.
2	SOPBDPY = 1 and 0 ≤ SOPB_21A ≤ 4 and (0 ≤ SOPB_211 ≤ 4 or SOPB_211 = 11) and (0 ≤ SOPB_212 ≤ 4 or SOPB_212 = 11) and 0 ≤ SOPB_21C ≤ 4 and 0 ≤ SOPB_21D ≤ 4	Social phobia did not cause significant interference with the person's normal routine, occupation (academic) functioning nor social activities nor relationships in the past 12 months.
NS	SOPBDPY = NS or (SOPB_21A = DK, R, NS) or (SOPB_211 = DK, R, NS) or (SOPB_212 = DK, R, NS) or (SOPB_21C = DK, R, NS) or (SOPB_21D = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refuse, not specified) at least one question required for calculation.

## **Agoraphobia (22 DVs)**

For the purpose of CCHS 1.2 – Mental Health and Well-being, Agoraphobia is a fear and avoidance of being in places or situations from which escape might be difficult or in which help may not be available. Feared situations include being outside the home alone, being in a crowd or standing in a line, being on a bridge, and travelling in a bus, train or automobile. Situations may be endured with distress that can include dizziness, sweating, chest pain, nausea, feelings of helplessness or detachment, or feeling that the body or environment is unreal. Agoraphobia may occur alone or be accompanied by panic disorder.

The questions on Agoraphobia are based on a recognized World Mental Health version of the Composite International Diagnostic Interview (WMH-CIDI) modified for the needs of CCHS 1.2. The WMH-CIDI instrument, as part of the WMH2000 Project (World Mental Health 2000) is a World Health Organization worldwide initiative to assess the prevalence rates of various mental disorders in multiple countries.

The WMH-CIDI is a standardized instrument for assessment of mental disorders and conditions according to an operationalization of the definitions and criteria of DSM-IV and ICD-10. DSM refers to the Diagnostic and Statistical Manual of Mental Disorders used by the American Psychiatric Association. It is an internationally recognized classification of mental disorders with several versions. Mental conditions or problems found in the CCHS 1.2 are partially coded either to DSM-IV or DSM-III-R. CCHS 1.2 does not support the ICD-10 algorithms.

The WMH2000 Project supported several versions of the Computer-Assisted Personal Interview (CAPI) and Paper and Pencil Personal Interview (PAPI) WMH-CIDI instrument. The Project has already established a working group that will be examining the methodological differences to ensure that international comparison is done appropriately.

Agoraphobia is one of five conditions in the WMH2000 Project that are assessed in this survey. Both lifetime and past year diagnoses are assessed. Past year episode refers to the 12 months preceding the interview.

As part of its support documentation, CCHS 1.2 is providing information on all temporary and interim derived variables used to compute the final derived variables of lifetime and past 12-month profiled conditions. For most users, the final derived variables in addition to the derived variables pertaining to recency, duration, onset and interference will be sufficient to conduct analyses.

For Agoraphobia, the variables of primary interest are:

Variable	Concept	Variable Number
AGPBDAP	Lifetime algorithm	6
AGPBDAPP	Lifetime algorithm (without Panic)	11
AGPBDPY	Past 12-month algorithm	19
AGPBDPYP	Past 12-month algorithm (without Panic)	20
AGPBDON	Onset	12
AGPBDONP	Onset (without Panic)	16
AGPBDREC	Recency	13

AGPBDRCP	Recency (without Panic)	17
AGPBDPER	Persistence	15
AGPB DPRP	Persistence (without Panic)	18
AGPBD13Y	Duration	14
AGPBDINT	Past 12-month interference	21

The criteria used to derive the final variables for this current profiled mental condition along with their respective temporary and interim variables are operationalised to partially meet the DSM-IV definitions/classification. While the questionnaire and the algorithms are based on worldwide recognised approaches and classification, this method can not be used to diagnose individuals with this profile condition. Only professionally trained medical staff can do this.

The CCHS 1.2 instrument collects a wealth of information pertaining to this specific mental health condition such as number of symptoms and their overall severity, duration, and intensity; however, the structured approach used by the computerized instrument is not designed to collect some of the more complex information used by professionally trained staff to make a final diagnosis according to the DSM-IV classification. For example, there are no algorithms available to support the creation of derived variables pertaining to the subtypes or specifiers relevant to the disorder. Also, although the instrument does collect some information used for the operationalization of the organic/physical exclusions and the hierarchical ruling, STC recommends that this information be used by DSM experts in light of its complex nature.

In addition to information on mental conditions, the WMH-CIDI instrument also collects information on many important correlates of mental health such as health care service utilization and support. The CCHS 1.2 data collected on mental health correlates is not based on the WMH-CIDI instrument. Although international comparison on such data is important, Statistics Canada, in discussion with its stakeholders, decided that the CCHS 1.2 data should support and complement the Canadian information already available from CCHS 1.1 and other past NPHS cycles.

To facilitate comparison to the DSM, the criteria are more or less itemized in the way they appear in the DSM-IV. This correspondence is only used here to provide a common language that should ease the interpretation of the results. However, it would be inappropriate to assume a direct correspondence between our criteria and the DSM-IV criteria given the operational limitations associated with the questionnaire and the algorithm in addition to the complex nature of the topic.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI lifetime criteria associated with Agoraphobia reported:

1. reported anxiety about being places or situations from which escape might be difficult / embarrassing or in which help may not be available in the event a panic attack; and
2. situations are avoided, endured with marked distress, or require the presence of a companion.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI 12-month criteria associated with Agoraphobia:

1. meet the CCHS 1.2/WMH-CIDI criteria for lifetime diagnosis of Agoraphobia; and
2. report a 12-month episode.

Agoraphobia with Panic Symptoms but without Panic Disorder is also assessed.

Respondents who meet the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia with Panic Symptoms but

without Panic Disorder:

1. meet the CCHS 1.2/WMH-CIDI criteria for agoraphobia and fear developing panic-like symptoms; and
2. do not meet the CCHS 1.2/WMH-CIDI criteria for Panic Disorder.

Respondents who fail to meet the criteria include both respondents who do not fear developing panic-like symptoms and those who meet the criteria for Panic Disorder.

Respondents who meet the 12-month CCHS 1.2/WMH-CIDI criteria for Agoraphobia with Panic Symptoms but without Panic Disorder:

1. meet the CCHS 1.2/WMH-CIDI criteria for lifetime diagnosis of Agoraphobia with Panic Symptoms but without Panic Disorder; and
2. report a 12-month episode.

## Agoraphobia Lifetime

### 1) Agoraphobia - Lifetime Criterion A

**Variable name:** AGPBDA

**Based on:** AGPB\_04D, AGPB\_04G, AGPB\_01A, AGPB\_01B, AGPB\_01C, AGPB\_01D, AGPB\_01E, AGPB\_01F, AGPB\_01G, AGPB\_01H, AGPB\_01I, AGPB\_01J, AGPB\_01K, SCRB\_30

**Previous Usage:** None

**Description:** This variable assesses whether the respondent meets Criterion A of the CCHS 1.2/WMH-CIDI lifetime algorithm. It identifies whether respondents reported anxiety about being in places or situations from which escape might be difficult (or embarrassing) and feared having a panic attack.

Value of AGPBDA	Condition(s)	Explanation
1	(AGPB_04D = 1 and AGPB_04G = 1) and at least 2 of (AGPB_01A, AGPB_01B, AGPB_01C, AGPB_01D, AGPB_01E, AGPB_01F, AGPB_01G, AGPB_01H, AGPB_01I, AGPB_01J, AGPB_01K) = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A.  Respondent reported anxiety about being in places or situations from which escape might be difficult (or embarrassing) and fearing having a panic attack.
2	(AGPB_04D = 2, NA or AGPB_04G = 2, NA) or at least 10 of (AGPB_01A, AGPB_01B, AGPB_01C, AGPB_01D, AGPB_01E, AGPB_01F, AGPB_01G, AGPB_01H, AGPB_01I, AGPB_01J, AGPB_01K = 2, 3, NA) or SCRB_30 = 2	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion A.  Respondent did not report anxiety about being in places or situations from which escape might be difficult or embarrassing or fearing having a panic attack.
NS	(AGPB_04D = DK, R, NS) or (AGPB_04G = DK, R, NS) or (AGPB_01A = DK, R, NS) or (AGPB_01B = DK, R, NS) or (AGPB_01C = DK, R, NS) or (AGPB_01D = DK, R, NS) or (AGPB_01E = DK, R, NS) or (AGPB_01F = DK, R, NS) or (AGPB_01G = DK, R, NS) or (AGPB_01H = DK, R, NS) or (AGPB_01I = DK, R, NS) or (AGPB_01J = DK, R, NS) or (AGPB_01K = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 2) Agoraphobia - Lifetime Criterion B, Part 1

**Variable name:** AGPBDB1

**Based on:** SCRB\_302, AGPB\_13

**Previous Usage:** None

**Description:** This variable identifies respondents who reported ever avoiding situations or being unable to leave the home for an entire day because of fear of the situations.

Value of AGPBDB1	Condition(s)	Explanation
1	SCRB_302 = 1 or AGPB_13 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion B, Part 1.  Respondent avoided feared situation
2	(SCRB_302 = 2, NA) and (AGPB_13 = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion B, Part 1.  Respondent did not avoid feared situations.
NS	(SCRB_302 = DK, R, NS) or (AGPB_13 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 3) Agoraphobia - Lifetime Criterion B, Part 2

**Variable name:** AGPBDB2

**Based on:** SCRB\_301, AGPB\_04D, AGPB\_09A, AGPB\_09B, AGPB\_09C, AGPB\_09D

**Previous Usage:** None

**Description:** Criterion B, part 2 assesses whether the situations were endured with marked distress or with anxiety about having a panic attack or panic-like symptoms. This variable identifies whether the respondent experienced distress or anxiety or feared that they might have a panic attack or panic-like symptoms such as heart pounding or racing, sweating, trembling or shaking, or dry mouth.

Value of AGPBDB2	Condition(s)	Explanation
1	SCRB_301 = 1 or AGPB_04D = 1 or AGPB_09A = 1 or AGPB_09B = 1 or AGPB_09C = 1 or AGPB_09D = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion B, Part 2.  Situations are endured with marked distress or with anxiety about having a panic attack or panic-like symptoms.
2	(SCRB_301 = 2, NA) and (AGPB_04D = 2, NA) and (AGPB_09A = 2, NA) and (AGPB_09B = 2, NA) and (AGPB_09C = 2, NA) and (AGPB_09D = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion B, Part 2.  Situations are not endured with marked distress nor with anxiety about having a panic attack or panic-like symptoms.
NS	(SCRB_301 = DK, R, NS) or (AGPB_04D = DK, R, NS) or (AGPB_09A = DK, R, NS) or (AGPB_09B = DK, R, NS) or (AGPB_09C = DK, R, NS) or (AGPB_09D = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

#### 4) Agoraphobia - Lifetime Criterion B, Part 3

**Variable name:** AGPBDB3

**Based on:** AGPB\_14

**Previous Usage:** None

**Description:** This variable identifies whether the respondent was unable to go out of their home unless they had someone they knew with them, like a family member or friend.

Value of AGPBDB3	Condition(s)	Explanation
1	AGPB_14 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion B, Part 3.  The situations required the presence of a companion.
2	(AGPB_14 = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion B, Part 3.  The situations did not require the presence of a companion.
NS	(AGPB_14 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

#### 5) Agoraphobia - Lifetime Criterion B (parts 1, 2, 3 combined)

**Variable name:** AGPBDB

**Based on:** AGPBDB1, AGPBDB2, AGPBDB3

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets Criterion B of the CCHS 1.2/WMH-CIDI lifetime algorithm. The criterion is met if the respondent:

1. avoided situations associated with agoraphobia; or
2. endured situations with marked distress or anxiety about having a panic attack or panic-like symptoms; or
3. reported that the situations required the presence of a companion.

Value of AGPBDB	Condition(s)	Explanation
1	AGPBDB1 = 1 or AGPBDB2 = 1 or AGPBDB3 = 1	Respondent meets Lifetime CCHS 1.2/WMH-CIDI Criterion B.  Respondent (1) avoided situations associated with agoraphobia; or (2) endured situations with marked distress or anxiety about having a panic attack or panic-like symptoms; or (3) reported that the situations required the presence of a companion.
2	AGPBDB1 = 2 and AGPBDB2 = 2 and AGPBDB3 = 2	Respondent does not meet Lifetime CCHS 1.2/WMH-CIDI Criterion B.  Respondent (1) did not avoid situations associated with agoraphobia; and (2) did not



		experience marked distress or anxiety about having a panic attack or panic-like symptoms; and (3) did not require the presence of a companion.
NS	AGPBDB1 = NS or AGPBDB2 = NS or AGPBDB3 = NS	Respondent has a non-response (not stated) value in a derived variable required for calculation.

## 6) Agoraphobia - Lifetime Algorithm

**Variable name:** AGPBDAP

**Based on:** AGPBDA, AGPBDB

**Previous Usage:** None

**Description:** This variable identifies whether respondents meet the CCHS 1.2/WMH-CIDI criteria for lifetime agoraphobia. The criteria are met if respondent:

1. reported anxiety about being in places or situations from which escape might be difficult or embarrassing and feared having a panic attack; and
2. avoided situations associated with agoraphobia; or endured situations with marked distress or anxiety; or required the presence of a companion in the situations.

Value of AGPBDAP	Condition(s)	Explanation
1	AGPBDA = 1 and AGPBDB = 1	Respondent meets all CCHS 1.2/WMH-CIDI criteria for lifetime Agoraphobia.  Respondent (1) reported anxiety about being in at least two different places or situations from which escape might be difficult or embarrassing and feared having a panic attack; and (2) avoided situations associated with agoraphobia; or endured situations with marked distress or anxiety; or required the presence of a companion in the situations.
2	AGPBDA = 2 or AGPBDB = 2	Respondent does not meet all CCHS 1.2/WMH-CIDI criteria for lifetime Agoraphobia.  Respondent (1) did not report anxiety about being in at least two different places or situations from which escape might be difficult or embarrassing or in which help may not be available; or (2) did not avoid situations associated with agoraphobia; or did not endure situations with marked distress or anxiety; or did not require the presence of a companion in the situations.
NS	AGPBDA = NS or AGPBDB = NS	Respondent has a non-response (not stated) value in a derived variable required for calculation.

## Agoraphobia with Panic Symptoms but without Panic Disorder - Lifetime

### 7) Agoraphobia with Panic Symptoms but without Panic Disorder - Lifetime Criterion A, Part 1

**Variable name:** AGPBDAP

**Description:** Criterion A, part 1 of Agoraphobia with Panic Symptoms but without Panic Disorder is exactly the same as the CCHS 1.2/WMH-CIDI criteria for lifetime Agoraphobia (variable AGPBDAP), defined and specified above in the present document.

### 8) Agoraphobia with Panic Symptoms but without Panic Disorder - Lifetime Criterion A, Part 2

**Variable name:** AGPBDPA2

**Based on:** AGPB\_04C, AGPB\_04D, AGPB\_04E, AGPB\_04F

**Previous Usage:** None

**Description:** This variable identifies whether the respondent feared developing panic-like symptoms or having a panic attack.

Value of AGPBDPA2	Condition(s)	Explanation
1	AGPB_04C = 1 or AGPB_04D = 1 or AGPB_04E = 1 or AGPB_04F = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 2 of Agoraphobia with panic symptoms but without panic disorder.  Respondent reported fear of developing panic-like symptoms or having a panic attack.
2	(AGPB_04C = 2, NA) and (AGPB_04D = 2, NA) and (AGPB_04E = 2, NA) and (AGPB_04F = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 2 of Agoraphobia with panic symptoms but without panic disorder.  Respondent did not report fear of developing panic-like symptoms nor of having a panic attack.
NS	(AGPB_04C = DK, R, NS) or (AGPB_04D = DK, R, NS) or (AGPB_04E = DK, R, NS) or (AGPB_04F = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 9) Agoraphobia with Panic Symptoms but without Panic Disorder - Lifetime Criterion A (Parts 1, 2 combined)

**Variable name:** AGPBDPA

**Based on:** AGPBDAP, AGPBDA2

**Previous Usage:** None

**Description:** This variable assesses lifetime CCHS 1.2/WMH-CIDI Criterion A of Agoraphobia with Panic Symptoms but without Panic Disorder and identifies respondents who meet the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia and fear developing panic-like symptoms or having a panic attack.

Value of AGPBDPA	Condition(s)	Explanation
1	AGPBDAP = 1 and AGPBDPA2 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A of Agoraphobia with panic symptoms but without panic disorder.  Respondent meets the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia and fears developing panic-like symptoms or having a panic attack.
2	AGPBDAP = 2 or (AGPBDPA2 = 2, NA)	Respondent does not meet lifetime Criterion A of Agoraphobia with panic symptoms but without panic disorder.  Respondent does not meet the lifetime criteria for Agoraphobia or does not fear developing panic-like symptoms or having a panic attack.
NS	AGPBDAP = NS or AGPBDPA2 = NS	Respondent has a non-response (not stated) value in a derived variable required for calculation.

## 10) Agoraphobia with Panic Symptoms but without Panic Disorder - Lifetime Criterion B

**Variable name:** AGPBDPB

**Based on:** PADBDPDS

**Previous Usage:** None

**Description:** Criterion B is where criteria have never been met for lifetime Panic Disorder. This variable identifies respondents who do not meet the lifetime criteria for Panic Disorder.

Value of AGPBDPB	Condition(s)	Explanation
1	PADBDPDS = 2	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion B of Agoraphobia with panic symptoms but without panic disorder.  Respondent does not meet the lifetime CCHS 1.2/WMH-CIDI criteria for Panic Disorder.
2	PADBDPDS = 1	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion B of

		<p>Agoraphobia with panic symptoms but without panic disorder.</p> <p>Respondent meets the lifetime CCHS 1.2/WMH-CIDI criteria for Panic Disorder.</p>
NS	PADBDPDS = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.

## 11) Agoraphobia with Panic Symptoms but without Panic Disorder– Lifetime Algorithm

**Variable name:** AGPBDAPP

**Based on:** AGPBDPA, AGPBDPB

**Previous Usage:** None

**Description:** This variable identifies whether the respondent meets the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia with Panic Symptoms but without Panic Disorder. Respondents who meet the criteria reported:

1. meeting the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia;
2. fear of developing panic-like symptoms or having a panic attack; and
3. not meeting the CCHS 1.2/WMH-CIDI criteria for lifetime Panic Disorder.

**Note:** Respondents who fail to meet the criteria include:

1. respondents who do not meet the CCHS 1.2/WMH-CIDI criteria for lifetime Agoraphobia;
2. respondents who meet the CCHS 1.2/WMH-CIDI criteria for lifetime Agoraphobia and lifetime Panic Disorder; and
3. respondents who meet the CCHS 1.2/WMH-CIDI criteria for lifetime Agoraphobia, do not meet the CCHS 1.2/WMH-CIDI criteria for lifetime Panic Disorder, and do not fear developing panic-like symptoms.

Value of AGPBDAPP	Condition(s)	Explanation
1	AGPBDPA = 1 and AGPBDPB = 1	<p>Respondent meets all the criteria for lifetime episode of Agoraphobia with Panic Symptoms but without Panic Disorder.</p> <p>Respondent reported (1) meeting the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia; (2) fear of developing panic-like symptoms or having a panic attack; and (3) not meeting the CCHS 1.2/WMH-CIDI criteria for lifetime Panic Disorder.</p>
2	AGPBDPA = 2 or AGPBDPB = 2	<p>Respondent does not meet all CCHS 1.2/WMH-CIDI criteria for lifetime episode of Agoraphobia with Panic Symptoms but without Panic Disorder.</p> <p>Respondent (1) did not meet the CCHS 1.2/WMH-CIDI lifetime criteria for Agoraphobia; or (2) did not fear developing panic-like symptoms or having a panic attack; or (3) met the CCHS 1.2/WMH-CIDI criteria for lifetime Panic Disorder.</p>
NS	AGPBDPA = NS or	Respondent has a non-response

	AGPBDPB = NS	(not stated) value in a derived variable required for calculation.
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## 12) Agoraphobia – Age of Onset

**Variable name:** AGPBDON

**Based on:** AGPBDAP, AGPB\_03A, AGPB\_03B

**Previous Usage:** None

**Description:** This variable identifies the respondent's age when they first feared one of the agoraphobic situations. This variable is only calculated for respondents who meet the CCHS 1.2/WMH-CIDI lifetime criteria for Agoraphobia.

Value of AGPBDON	Condition(s)	Explanation
NA	AGPBDAP = 2	Respondent does not meet the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia.
Value in AGPB_03A	AGPBDAP = 1 and AGPB_03A < NA	Age of onset is the age when respondent first feared one of the situations associated with agoraphobia.
Value in AGPB_03B	AGPBDAP = 1 and AGPB_03B < NA	Age of onset is the age when respondent first feared one of the situations associated with agoraphobia.
NS	AGPBDAP = NS or (AGPB_03B = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 13) Agoraphobia – Recency Age

**Variable name:** AGPBDREC

**Based on:** AGPBDAP, AGPB\_17, AGPB\_17B, DHHB\_AGE

**Previous Usage:** None

**Description:** This variable identifies the respondent's age the last time they strongly feared or avoided the situations associated with agoraphobia. This variable is only calculated for respondents who meet the CCHS 1.2/WMH-CIDI lifetime criteria for Agoraphobia.

Value of AGPBDREC	Condition(s)	Explanation
NA	AGPBDAP = 2 or AGPB_17 = NA	Respondent does not meet the lifetime criteria for Agoraphobia or respondent not asked AGPB_17
DHHB_AGE	AGPBDAP = 1 and AGPB_17 = 1	Recency age is current age.
Value in AGPB_17B	AGPBDAP = 1 and (AGPB_17 = 2, DK) and AGPB_17B < NA	Recency age is age last strongly feared or avoided one of the situations associated with agoraphobia.
NS	AGPBDAP = NS or (AGPB_17 = R, NS) or (AGPB_17B = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't

		know, refusal, not stated) at least one question required for calculation.
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## 14) Agoraphobia – Duration of longest period unable to leave home

**Variable name:** AGPBD13Y

**Based on:** AGPB\_13A, AGPB\_13B, AGPB\_13C, AGPB\_13D, AGPB\_13E

**Previous Usage:** None

**Description:** This variable identifies the longest period the respondent was unable to leave his/her home (in years). It is calculated only for respondents who said they were ever unable to leave their home for an entire day because of their fear.

Value of AGPBD13Y	Condition(s)	Explanation
NA	AGPB_13A = NA	Respondent was not asked the questions required for calculation.
NS	(AGPB_13A = DK, R, NS) or (AGPB_13B = DK, R, NS) or (AGPB_13C = DK, R, NS) or (AGPB_13D = DK, R, NS) or (AGPB_13E = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in AGPB_13B / 365 (round to .01)	AGPB_13A = 1 and AGPB_13B < NA	Duration of respondent's longest period when unable to leave their home in years.
Value in AGPB_13C / 52 (round to .01)	AGPB_13A = 2 and AGPB_13C < NA	Duration of respondent's longest period when unable to leave their home in years.
Value in AGPB_13D / 12 (round to .01)	AGPB_13A = 3 and AGPB_13D < NA	Duration of respondent's longest period when unable to leave their home in years.
Value in AGPB_13E (round to .01)	AGPB_13A = 4 and AGPB_13E < NA	Duration of respondent's longest period when unable to leave their home in years.

## 15) Agoraphobia – Persistence

**Variable name:** AGPBDPER

**Based on:** AGPBDAP, AGPBD13Y

**Previous Usage:** None

**Description:** Persistence can be calculated only for respondents who said they were ever unable to leave their home for an entire day because of their fear. This variable identifies the longest period the respondent was unable to leave his/her home (in years). It is calculated only for respondents who meet the CCHS 1.2/WMH-CIDI lifetime criteria for Agoraphobia.

Value of AGPBDPER	Condition(s)	Explanation
NA	AGPBDAP = 2 or (AGPBDAP = 1 and AGPBD13Y = NA)	Respondent does not meet the lifetime criteria for Agoraphobia or respondent not asked the questions required for calculation.
Value in AGPBD13Y	AGPBDAP = 1 and AGPBD13Y < NA	Duration of respondent's longest period when unable to leave their home in years.
NS	AGPBDAP = NS or (AGPBDAP = 1 and AGPBD13Y = NS)	Respondent has a non-response (not stated) value in a derived variable required for calculation.

## 16) Agoraphobia with Panic Symptoms but without Panic Disorder– Age of Onset

**Variable name:** AGPBDONP

**Based on:** AGPBDAPP, AGPB\_03A, AGPB\_03B

**Previous Usage:** None

**Description:** This variable identifies the respondent's age when they first feared one of the agoraphobic situations. This variable is only calculated for respondents who meet the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia with Panic Symptoms but without Panic Disorder.

Value of AGPBDONP	Condition(s)	Explanation
NA	AGPBDAPP = 2	Respondent does not meet the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia with Panic Symptoms but without panic disorder.
Value in AGPB_03A	AGPBDAPP = 1 and AGPB_03A < NA	Age of onset is the age when respondent first feared one of the situations associated with agoraphobia.
Value in AGPB_03B	AGPBDAPP = 1 and AGPB_03B < NA	Age of onset is the age when respondent first feared one of the situations associated with agoraphobia.
NS	AGPBDAPP = NS or (AGPB_03B = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 17) Agoraphobia with Panic Symptoms but without Panic Disorder– Recency Age

**Variable name:** AGPBDRCP

**Based on:** AGPBDAPP, AGPB\_17, AGPB\_17B, DHHB\_AGE

**Previous Usage:** None

**Description:** This variable identifies the respondent's age the last time they strongly feared or avoided the situations associated with agoraphobia. This variable is only calculated for respondents who meet the CCHS 1.2/WMH-CIDI lifetime criteria for Agoraphobia with Panic Symptoms but without Panic Disorder.

Value of AGPBDRCP	Condition(s)	Explanation
NA	AGPBDAPP = 2 or AGPB_17 = NA	Respondent does not meet the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia with Panic Symptoms but without panic disorder or respondent not asked AGPB_17.
DHHB_AGE	AGPBDAPP = 1 and AGPB_17 = 1	Recency age is current age.
Value in AGPB_17B	AGPBDAPP = 1 and (AGPB_17 = 2, DK) and AGPB_17B < NA	Recency age is age last strongly feared or avoided one of the situations associated with agoraphobia.
NS	AGPBDAPP = NS or (AGPB_17 = R, NS) or (AGPB_17B = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 18) Agoraphobia with Panic Symptoms but without Panic Disorder– Persistence

**Variable name:** AGBDPRP

**Based on:** AGPBDAPP, AGPBD13Y

**Previous Usage:** None

**Description:** Persistence can be calculated only for respondents who said they were ever unable to leave their home for an entire day because of their fear. This variable identifies the longest period the respondent was unable to leave his/her home (in years). It is calculated only for respondents who meet the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia with Panic Symptoms but without Panic Disorder.

Value of AGBDPRP	Condition(s)	Explanation
NA	AGPBDAPP = 2 or (AGPBDAPP = 1 and AGPBD13Y = NA)	Respondent does not meet the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia with Panic symptoms but without panic disorder or respondent not asked the questions required for calculation.
Value in AGPBD13Y	AGPBDAPP = 1 and AGPBD13Y < NA	Duration of respondent's longest period when unable to leave their home in years.
NS	AGPBDAPP = NS or (AGPBDAPP = 1 and AGPBD13Y = NS)	Respondent has a non-response (not stated) value in a derived variable required for calculation.



## Agoraphobia – Past 12 Months

### 19) Agoraphobia – Past 12 Months Algorithm

**Variable name:** AGPBDPY

**Based on:** AGPBDAP, AGPB\_17, AGPB\_03A, AGPB\_03B, AGPB\_06, AGPB\_17B, DHHB\_AGE

**Previous Usage:** None

**Description:** This is the final variable that identifies whether respondents meet or fail to meet the CCHS 1.2/WMH-CIDI criteria for Agoraphobia in the 12 months prior to the interview. Respondents who meet the criteria reported:

1. meeting the lifetime CCHS 1.2/WMH-CIDI criteria for Agoraphobia; and
2. fearing or avoiding the agoraphobic situations in the 12 months prior to the interview.

Value of AGPBDPY	Condition(s)	Explanation
1	AGPBDAP = 1 and (AGPB_17 = 1 or AGPB_03A = DHHB_AGE or AGPB_03B = DHHB_AGE or AGPB_06 = DHHB_AGE or AGPB_17B = DHHB_AGE)	Respondent meets all criteria for past 12-month Agoraphobia.  Respondent reported meeting the lifetime criteria for Agoraphobia and fearing or avoiding the agoraphobic situations in the 12 months prior to the interview.
2	AGPBDAP = 2 or (AGPB_17 = 2, NA and AGPB_03A <= NA and AGPB_03B <= NA and AGPB_06 <= NA and AGPB_17B <= NA)	Respondent does not meet the criteria for 12-month Agoraphobia.  Respondent did meet the lifetime criteria for Agoraphobia or did not fear or avoid the agoraphobic situations in the 12 months prior to the interview.
NS	AGPBDAP = NS or (AGPB_17 = DK, R, NS) or (AGPB_03A = DK, R, NS) or (AGPB_03B = DK, R, NS) or (AGPB_06 = DK, R, NS) or (AGPB_17B = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

### 20) Agoraphobia with Panic Symptoms but without Panic Disorder – 12-month Algorithm

**Variable name:** AGPBDPYP

**Based on:** AGPBDAPP, AGPB\_17, AGPB\_03A, AGPB\_03B, AGPB\_06, AGPB\_17B, DHHB\_AGE

**Previous Usage:** None

**Description:** This is the final variable that identifies whether respondents meet or fail to meet the DSM-IV criteria for Agoraphobia with Panic Symptoms but without Panic Disorder in the 12 months prior to the interview. Respondents who meet the criteria reported:

1. meeting the lifetime CCHS 1.2-WMH/CIDI criteria for Agoraphobia with Panic Symptoms but without Panic Disorder; and
2. fearing or avoiding the agoraphobic situations in the 12 months prior to the interview.

Value of AGPBDPYP	Condition(s)	Explanation
1	AGPBDAPP = 1 and (AGPB_17 = 1 or AGPB_03A = DHHB_AGE or	Respondent meets all CCHS 1.2-WMH/CIDI criteria for past 12-month Agoraphobia with Panic

	AGPB_03B = DHHB_AGE or AGPB_06 = DHHB_AGE or AGPB_17B = DHHB_AGE)	Symptoms but without Panic Disorder.  Respondent reported meeting the lifetime CCHS 1.2-WMH/CID criteria for Agoraphobia with Panic Symptoms but without panic disorder and fearing or avoiding the agoraphobic situations in the 12 months prior to the interview.
2	AGPBDAPP = 2 or (AGPB_17 = 2, NA and AGPB_03A <= NA and AGPB_03B <= NA and AGPB_06 <= NA and AGPB_17B <= NA)	Respondent does not meet the criteria for 12-month Agoraphobia with Panic Symptoms but without Panic Disorder.  Respondent did meet the CCHS 1.2-WMH/CIDI criteria for lifetime Agoraphobia with Panic Symptoms but without Panic Disorder or did not fear or avoid the agoraphobic situations in the 12 months prior to the interview.
NS	AGPBDAPP = NS or (AGPB_17 = DK, R, NS) or (AGPB_03A = DK, R, NS) or (AGPB_03B = DK, R, NS) or (AGPB_06 = DK, R, NS) or (AGPB_17B = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 21) Agoraphobia Interference — Mean

**Variable name:** AGPBDINT

**Based on:** AGPB\_20A, AGPB\_201, AGPB\_202, AGPB\_20C, AGPB\_20D, AGPBDPY

**Previous Usage:** None

**Description:** This variable describes the interference that agoraphobia had on daily activities and responsibilities in the past 12 months. This is a mean of the 5 items. This variable is calculated only for respondents who meet the criteria for a 12-month episode.

**Note:** Respondents who reported that 'if they were faced with the same situation that provoked agoraphobia today, that they would have mild or no fear' were not asked this inference question.

Value of AGPBDINT	Condition(s)	Explanation
NA	AGPBDPY = 2	Respondent did not meet the CCHS 1.2-WMH/CID criteria for past 12-month diagnosis of agoraphobia.
NS	AGPB_20A = NA and AGPB_201 = NA and AGPB_202 = NA and AGPB_20C = NA and AGPB_20D = NA	Respondent was not asked the interference questions because they reported that 'if they were faced with the same situation that provoked agoraphobia today, that they would have mild or no fear'.
NS	AGPBDPY = NS or (AGPB_20A = DK, R, NS) or (AGPB_201 = DK, R, NS) or (AGPB_202 = DK, R, NS) or (AGPB_20C = DK, R, NS) or	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) at least

	(AGPB_20D = DK, R, NS)	one question required for calculation.
$\frac{(AGPB\_20A + AGPB\_201 + AGPB\_202 + AGPB\_20C + AGPB\_20D)}{5}$ (min: 0.0; max: 10.0) (round to .1)	AGPBDPY = 1 and 0 <= AGPB_201 <= 10 and 0 <= AGPB_202 <= 10 and 0 <= AGPB_20A <= 10 and 0 <= AGPB_20C <= 10 and 0 <= AGPB_20D <= 10	Interference = mean of all five items. Respondent answered all five questions.
$\frac{(AGPB\_20A + AGPB\_202 + AGPB\_20C + AGPB\_20D)}{4}$ (min: 0.0; max: 10.0) (round to .1)	AGPBDPY = 1 and AGPB_201 = 11 and 0 <= AGPB_202 <= 10 and 0 <= AGPB_20A <= 10 and 0 <= AGPB_20C <= 10 and 0 <= AGPB_20D <= 10	Interference = mean of four items that applied to respondent. AGPB_201 was not applicable (i.e., they did not attend school within the past 12 months).
$\frac{(AGPB\_20A + AGPB\_201 + AGPB\_20C + AGPB\_20D)}{4}$ (min: 0.0; max: 10.0) (round to .1)	AGPBDPY = 1 and 0 <= AGPB_201 <= 10 and AGPB_202 = 11 and 0 <= AGPB_20A <= 10 and 0 <= AGPB_20C <= 10 and 0 <= AGPB_20D <= 10	Interference = mean of four items that applied to respondent. AGPB_202 was not applicable (i.e., they did not have a job within the past 12 months).
$\frac{(AGPB\_20A + AGPB\_20C + AGPB\_20D)}{3}$ (min: 0.0; max: 10.0) (round to .1)	AGPBDPY = 1 and AGPB_201 = 11 and AGPB_202 = 11 and 0 <= AGPB_20A <= 10 and 0 <= AGPB_20C <= 10 and 0 <= AGPB_20D <= 10	Interference = mean of three items that applied to respondent. AGPB_201 and AGPB_202 were not applicable (i.e., they did not attend school and did not have a job within the past 12 months).

## 22) Flag for Agoraphobia Interference

**Variable name:** AGPBFINT

**Based on:** AGPB\_20A, AGPB\_201, AGPB\_202, AGPB\_20C, AGPB\_20D, AGPBDPY

**Previous Usage:** None

**Description:** This variable describes the interference that agoraphobia had on daily activities and responsibilities in the past 12 months. This is a classification that indicates whether agoraphobia interferes significantly with the person's normal routine, occupational (academic) functioning, or social activities or relationships. This question is calculated only for respondents who meet the criteria for a 12-month episode.

**Note:** Respondents who reported that 'if they were faced with the same situation that provoked agoraphobia today, that they would have mild or no fear' were not asked this inference question.

Value of AGPBFINT	Condition(s)	Explanation
NA	AGPBDPY = 2	Respondent did not meet the CCHS 1.2-WMH/CID criteria for past 12-month agoraphobia.
NS	AGPB_20A = NA and AGPB_201 = NA and AGPB_202 = NA and AGPB_20C = NA and AGPB_20D = NA	Respondent was not asked the interference questions because they reported that 'if they were faced with the same situation that provoked agoraphobia today, that they would have mild or no fear'.
1	AGPBDPY = 1 and (4 <= AGPB_20A <= 10 or 4 <= AGPB_201 <= 10 or	Agoraphobia caused significant interference with the person's normal routine, occupational

	4 <= AGPB_202 <= 10 or 4 <= AGPB_20C <= 10 or 4 <= AGPB_20D <= 10)	(academic) functioning, or social activities or relationships in the past 12 months
2	AGPBDPY = 1 and 0 <= AGPB_20A <= 3 and (0 <= AGPB_201 <= 3 or AGPB_201 = 11) and (0 <= AGPB_202 <= 3 or AGPB_202 = 11) and 0 <= AGPB_20C <= 3 and 0 <= AGPB_20D <= 3	Agoraphobia did not cause significant interference with the person's normal routine, occupation (academic) functioning or social activities or relationships in the past 12 months.
NS	AGPBDPY = NS or (AGPB_20A = DK, R, NS) or (AGPB_201 = DK, R, NS) or (AGPB_202 = DK, R, NS) or (AGPB_20C = DK, R, NS) or (AGPB_20D = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation or respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## Mental Health Profiles (9 DVs)

DSM refers to the Diagnostic and Statistical Manual of Mental Disorders used by the American Psychiatric Association. It is an internationally recognized classification of mental disorders with several versions. Mental disorders, conditions or problems found in the CCHS 1.2 are operationalized to partially meet either the DSM-IV or DSM-III-R definitions/classification. The derived variables in this section are not part of the DSM classification system themselves, but are summary indicators whose component variables are coded to the CCHS 1.2/WMH-CIDI standards.

For the purposes of documentation, the wording "disorder(s)" found in this section can refer to disorder, episode, condition or problem.

### 1) Lifetime Diagnosis – Any Selected Disorder

**Variable name:** MHPBFL

**Based on:** AGPBDAP, DEPBDDPS, MIABDEPS, PADBDPDS, SOPBDSP

**Previous Usage:** None

**Description:** This variable identifies whether the respondent met the CCHS 1.2/WMH-CIDI criteria for any of the measured disorders in their lifetime.

**Note:** This variable is not comparable to "12 month diagnosis – Any selected disorder or substance dependence" (MHPBFY) because it does not include alcohol dependence or substance dependence.

Value of MHPBFL	Condition(s)	Explanation
1	AGPBDAP = 1 or DEPBDDPS = 1 or MIABDEPS = 1 or PADBDPDS = 1 or SOPBDSP = 1	Respondent met the criteria for at least one listed disorder in their lifetime.
2	AGPBDAP = 2 and DEPBDDPS = 2 and MIABDEPS = 2 and PADBDPDS = 2 and SOPBDSP = 2	Respondent did not meet the criteria for all listed disorders in their lifetime.
NS	AGPBDAP = NS or DEPBDDPS = NS or MIABDEPS = NS or PADBDPDS = NS or SOPBDSP = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

### 2) Lifetime Diagnosis – Any Mood Disorder

**Variable name:** MHPBFLM

**Based on:** DEPBDDPS, MIABDEPS

**Previous Usage:** None

**Description:** This variable identifies whether respondent met the CCHS 1.2/WMH-CIDI criteria for either of the measured mood disorders (major depressive episode, manic episode) in their lifetime.

Value of MHPBFLM	Condition(s)	Explanation
1	DEPBDDPS = 1 or MIABDEPS = 1	Respondent met the criteria for at least one listed mood disorder in their lifetime.
2	DEPBDDPS = 2 and MIABDEPS = 2	Respondent did not meet the criteria for either listed mood disorders in their lifetime.

NS	DEPBDDPS = NS or MIABDEPS = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.
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### 3) Lifetime Diagnosis – Any Anxiety Disorder

**Variable name:** MHPBFLA

**Based on:** AGPBDAP, PADBDPDS, SOPBDSP

**Previous Usage:** None

**Description:** This variable identifies whether respondent met the CCHS 1.2/WMH-CIDI criteria for any of the measured anxiety disorders (agoraphobia, panic disorder, social phobia) in their lifetime.

Value of MHPBFLA	Condition(s)	Explanation
1	AGPBDAP = 1 or PADBDPDS = 1 or SOPBDSP = 1	Respondent met the criteria for at least one listed anxiety disorder in their lifetime.
2	AGPBDAP = 2 and PADBDPDS = 2 and SOPBDSP = 2	Respondent did not meet the criteria for any listed anxiety disorder in their lifetime.
NS	AGPBDAP = NS or PADBDPDS = NS or SOPBDSP = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

### 4) 12-Month Diagnosis – Any Selected Disorder or Substance Dependence

**Variable name:** MHPBFY

**Based on:** AGPBDPY, DEPBDDY, MIABDEY, PADBDDY, SOPBDPY, ALDBDSFY, IDGBFYDP

**Previous Usage:** None

**Description:** This variable identifies whether respondent met the CCHS 1.2/WMH-CIDI criteria for any of the measured disorders or substance dependencies in the past 12 months.

Value of MHPBFY	Condition(s)	Explanation
1	AGPBDPY = 1 or DEPBDDY = 1 or MIABDEY = 1 or PADBDDY = 1 or SOPBDPY = 1 or 3 <= ALDBDSFY < NA or IDGBFYDP = 1	Respondent met the criteria for at least one listed disorder or dependence in the past 12 months.
2	AGPBDPY = 2 and DEPBDDY = 2 and MIABDEY = 2 and PADBDDY = 2 and SOPBDPY = 2 and ALDBDSFY < 3 and IDGBFYDP = 2	Respondent did not meet the criteria for any listed disorder or dependence in the past 12 months

NS	AGPBDPY = NS or DEPBDDY = NS or MIABDEY = NS or PADBDDY = NS or SOPBDPY = NS or ALDBDSFY = NS or IDGBFYDP = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.
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## 5) 12-Month Diagnosis – Any Mood Disorder

**Variable name:** MHPBFYM

**Based on:** DEPBDDY, MIABDEY

**Previous Usage:** None

**Description:** This variable identifies whether respondent met the CCHS 1.2/WMH-CIDI criteria for either of the measured mood disorders (major depressive episode, manic episode) in the past 12 months.

Value of MHPBFYM	Condition(s)	Explanation
1	DEPBDDY = 1 or MIABDEY = 1	Respondent met the criteria for at least one listed mood disorder in the past 12 months.
2	DEPBDDY = 2 and MIABDEY = 2	Respondent did not meet the criteria for either listed mood disorder in the past 12 months.
NS	DEPBDDY = NS or MIABDEY = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 6) 12-Month Diagnosis – Any Anxiety Disorder

**Variable name:** MHPBFYA

**Based on:** AGPBDPY, PADBDDY, SOPBDPY

**Previous Usage:** None

**Description:** This variable identifies whether respondent met the CCHS 1.2/WMH-CIDI criteria for any of the measured anxiety disorders (agoraphobia, panic disorder, social phobia) in the past 12 months.

Value of MHPBFYA	Condition(s)	Explanation
1	AGPBDPY = 1 or PADBDDY = 1 or SOPBDPY = 1	Respondent met the criteria for at least one listed anxiety disorder in the past 12 months.
2	AGPBDPY = 2 and PADBDDY = 2 and SOPBDPY = 2	Respondent did not meet the criteria for any listed anxiety disorder in the past 12 months.
NS	AGPBDPY = NS or PADBDDY = NS or SOPBDPY = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 7) 12-Month Diagnosis – Any Substance Dependence

**Variable name:** MHPBFYSA

**Based on:** ALDBDSFY, IDGBFYDP

**Previous Usage:** None

**Description:** This variable identifies whether respondent met the CCHS 1.2/WMH-CIDI criteria for dependence of alcohol or illicit drugs in the past 12 months.

Value of MHPBFYSA	Condition(s)	Explanation
1	3 ≤ ALDBDSFY < NA or IDGBFYDP = 1	Respondent met the criteria for at least one listed dependency in the past 12 months.
2	ALDBDSFY < 3 and IDGBFYDP = 2	Respondent did not meet the criteria for any listed dependency in the past 12 months.
NS	ALDBDSFY = NS or IDGBFYDP = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 8) Flag for 12-Month Interference from Any Disorder or Substance Dependence

**Variable name:** MHPBFINT

**Based on:** MIABFINT, DEPBFIN, PADBFINT, SOPBFINT, AGPBFINT, ALDBFINT, IDGBFINT, MHPBFY

**Previous Usage:** None

**Description:** This variable describes whether any disorder caused significant interference on daily activities and responsibilities in the past 12 months as a result of at least one of the measured mental disorders or substance dependencies. It is calculated for respondents who met the CCHS 1.2/WMH-CIDI criteria for any 12-month disorder.

Value of MHPBFINT	Condition(s)	Explanation
NA	MHPBFY = 2	Respondent did not meet the criteria for 12-month episode of any disorder.
1	DEPBFIN = 1 or MIABFINT = 1 or PADBFINT = 1 or SOPBFINT = 1 or AGPBFINT = 1 or ALDBFINT = 1 or IDGBFINT = 1	Respondent experienced significant interference with their normal routine, occupational (academic) functioning, or social activities or relationships in the past 12 months as a result of at least one disorder.
2	(DEPBFIN = 2, NA) and (MIABFINT = 2, NA) and (PADBFINT = 2, NA) and (SOPBFINT = 2, NA) and (AGPBFINT = 2, NA) and (ALDBFINT = 2, NA) and (IDGBFINT = 2, NA)	Respondent did not experience significant interference with their normal routine, occupation (academic) functioning or social activities or relationships in the past 12 months.



NS	(DEPBFINT = NS or MIABFINT = NS or PADBFINT = NS or SOPBFINT = NS or AGPBFINT = NS or ALDBFINT = NS or IDGBFINT = NS) or MHPBFY = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.
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## 9) Age of Onset – Any Selected Disorder

**Variable name:** MHPBDAON

**Based on:** MHPBFLM, MHPBFLA, AGPBDON, DEPBON, MIABDON, PADBDON, SOPBDON

**Previous Usage:** None

**Description:** This variable calculates the age of first disorder onset, for respondents who meet the criteria for any lifetime mood or anxiety disorder. It is calculated for respondents who met the CCHS 1.2/WMH-CIDI criteria for at least one lifetime disorder excluding substance dependence.

Value of MHPBDAON	Condition(s)	Explanation
NA	(MHPBFLM = 2 and MHPBFLA = 2) or (AGPBDON = NA and DEPBON = NA and MIABDON = NA and PADBDON = NA and SOPBDON = NA)	Respondent did not meet the lifetime criteria for any of the disorders measured.
Minimum of (AGPBDON, DEPBON, MIABDON, PADBDON, SOPBDON)  (min: 0; max: current age)	(MHPBFLM = 1 or MHPBFLA = 1) and At least one of (AGPBDON, DEPBON, MIABDON, PADBDON, SOPBDON) <= 130	Youngest age of onset calculated for respondents with at least one valid age of onset. Note: 130 is the maximum value for age
NS	MHPBFLM = NS or MHPBFLA = NS or AGPBDON = NS or DEPBON = NS or MIABDON = NS or PADBDON = NS or SOPBDON = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## Alcohol Use (3 DVs)

These variables examine frequency, regularity and amount of alcohol consumption.

### 1) Type of Drinker

**Variable name:** ALCBDTYP

**Based on:** ALCB\_2, ALCB\_5B

**Previous Usage:**

CCHS Cycle 1.1: ALCADTYP

NPHS Cycle 4: ALC0DTYP

NPHS Cycle 3: ALC8DTYP

NPHS Cycle 2: ALC6DTYP

NPHS Cycle 1: ALC4DTYP

**Description:** This variable determines the type of drinker the respondent is based on his/her drinking habits.

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

**Statistics Canada's Web Site:** [www.statcan.ca/english/sdds/3894.htm](http://www.statcan.ca/english/sdds/3894.htm)

Value of ALCBDTYP	Condition(s)	Explanation
NS	(ALCB_2 = DK, R, NS) or (ALCB_5B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
1	1 < ALCB_2 < NA	Regular drinker
2	ALCB_2 = 1	Occasional drinker
3	ALCB_5B = 1	Former Drinker
4	ALCB_5B = 2	Never Drank

### 2) Weekly Consumption

**Variable name:** ALCBDWKY

**Based on:** ALCB\_1, ALCB\_5A1, ALCB\_5A2, ALCB\_5A3, ALCB\_5A4, ALCB\_5A5, ALCB\_5A6, ALCB\_5A7

**Previous Usage:**

CCHS Cycle 1.1: ALCADWKY

NPHS Cycle 4: ALC0DWKY

NPHS Cycle 3: ALC8DWKY

NPHS Cycle 2: ALC6DWKY

NPHS Cycle 1: ALC4DWKY

**Description:** The following variable represents the sum of numbers of drinks consumed on all days, in the week prior to the interview. This derived variable is calculated only for those respondents who had at least one drink in the last 12 months.

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

**Statistics Canada's Web Site:** [www.statcan.ca/english/sdds/3894.htm](http://www.statcan.ca/english/sdds/3894.htm)

Value of ALCBDWKY	Condition(s)	Explanation
NA	ALCB_1 = 2	Respondent has not had a drink in the past year.
0	ALCB_5A1 = NA	Respondent has not had a drink in last week.
NS	(ALCB_5A1 = DK, R, NS) or (ALCB_5A2 = DK, R, NS) or (ALCB_5A3 = DK, R, NS) or (ALCB_5A4 = DK, R, NS) or (ALCB_5A5 = DK, R, NS) or	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

	(ALCB_5A6 = DK, R, NS) or (ALCB_5A7 = DK, R, NS)	
(ALCB_5A1 + ALCB_5A2 + ALCB_5A3 + ALCB_5A4 + ALCB_5A5 + ALCB_5A6 + ALCB_5A7)  (min: 0; max: 693)	0 <= ALCB_5A1 < 100 and 0 <= ALCB_5A2 < 100 and 0 <= ALCB_5A3 < 100 and 0 <= ALCB_5A4 < 100 and 0 <= ALCB_5A5 < 100 and 0 <= ALCB_5A6 < 100 and 0 <= ALCB_5A7 < 100	Alcohol consumed last week

### 3) Average Daily Alcohol Consumption

**Variable name:** ALCBDDLY

**Based on:** ALCBDWKY

**Previous Usage:**

CCHS Cycle 1.1: ALCADDLY

NPHS Cycle 4: ALC0DDLY

NPHS Cycle 3: ALC8DDLY

NPHS Cycle 2: ALC6DDLY

NPHS Cycle 1: ALC4DDLY

**Description:** This variable represents the average number of drinks the respondent consumed per day, and is calculated by taking the weekly total alcohol consumption in the prior week and dividing it by 7. This derived variable is calculated only for those respondents who had at least one drink in the last 12 months.

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

**Statistics Canada's Web Site:** [www.statcan.ca/english/sdds/3894.htm](http://www.statcan.ca/english/sdds/3894.htm)

Value of ALCBDDLY	Condition(s)	Explanation
NS	ALCBDWKY = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.
NA	ALCBDWKY = NA	Not applicable
ALCBDWKY / 7 (min: 0; max: 99) (round to integer)	ALCBDWKY < 694	Average daily alcohol consumption

## Alcohol Dependence/Abuse (4 DVs)

The CCHS uses the full range of questions developed by Kessler and Mroczek to derive the measure of alcohol dependence. In the CCHS 1.2, both respondents who had five drinks or more on one occasion at least once a month during the past 12 months and those who had five drinks or more during another 12-month period in their lives answered the Alcohol Dependence questions.

Note: There is no derived variable for lifetime alcohol dependence or lifetime probability of caseness to respondents (alcohol dependence). A skip error in the questionnaire resulted in an inability to assess lifetime symptoms for respondents who were also asked the 12-month dependence questions. Specifically, if a respondent said "yes" to the symptom for the past 12 months, they are not asked whether they had experienced it previously in their lifetime. Therefore, these respondents have lifetime responses only for those 12-month questions to which they answered "no".

### Temporary Reformats

Reformat	Explanation
If (ALDB_01 = 1, 2) then ALDRQ01 = (2 - ALDB_01) If (ALDB_01L = 1, 2) then ALDRQ01L = (2 - ALDB_01L) If (ALDB_01A = 1, 2) then ALDRQ01A = (2 - ALDB_01A) If (ALDB_03 = 1, 2) then ALDRQ03 = (2 - ALDB_03) If (ALDB_03L = 1, 2) then ALDRQ03L = (2 - ALDB_03L) If (ALDB_03A = 1, 2) then ALDRQ03A = (2 - ALDB_03A) If (ALDB_04 = 1, 2) then ALDRQ04 = (2 - ALDB_04) If (ALDB_04L = 1, 2) then ALDRQ04L = (2 - ALDB_04L) If (ALDB_04A = 1, 2) then ALDRQ04A = (2 - ALDB_04A) If (ALDB_05 = 1, 2) then ALDRQ05 = (2 - ALDB_05) If (ALDB_05L = 1, 2) then ALDRQ05L = (2 - ALDB_05L) If (ALDB_05A = 1, 2) then ALDRQ05A = (2 - ALDB_05A) If (ALDB_06 = 1, 2) then ALDRQ06 = (2 - ALDB_06) If (ALDB_06L = 1, 2) then ALDRQ06L = (2 - ALDB_06L) If (ALDB_06A = 1, 2) then ALDRQ06A = (2 - ALDB_06A) If (ALDB_07 = 1, 2) then ALDRQ07 = (2 - ALDB_07) If (ALDB_07L = 1, 2) then ALDRQ07L = (2 - ALDB_07L) If (ALDB_07A = 1, 2) then ALDRQ07A = (2 - ALDB_07A) If (ALDB_09 = 1, 2) then ALDRQ09 = (2 - ALDB_09) If (ALDB_09L = 1, 2) then ALDRQ09L = (2 - ALDB_09L) If (ALDB_09A = 1, 2) then ALDRQ09A = (2 - ALDB_09A) If (ALDB_10 = 1, 2) then ALDRQ10 = (2 - ALDB_10) If (ALDB_10L = 1, 2) then ALDRQ10L = (2 - ALDB_10L) If (ALDB_10A = 1, 2) then ALDRQ10A = (2 - ALDB_10A) If (ALDB_11 = 1, 2) then ALDRQ11 = (2 - ALDB_11) If (ALDB_11L = 1, 2) then ALDRQ11L = (2 - ALDB_11L) If (ALDB_11A = 1, 2) then ALDRQ11A = (2 - ALDB_11A) If (ALDB_12 = 1, 2) then ALDRQ12 = (2 - ALDB_12) If (ALDB_12L = 1, 2) then ALDRQ12L = (2 - ALDB_12L) If (ALDB_12A = 1, 2) then ALDRQ12A = (2 - ALDB_12A) If (ALDB_13 = 1, 2) then ALDRQ13 = (2 - ALDB_13) If (ALDB_13L = 1, 2) then ALDRQ13L = (2 - ALDB_13L) If (ALDB_13A = 1, 2) then ALDRQ13A = (2 - ALDB_13A) If (ALDB_14 = 1, 2) then ALDRQ14 = (2 - ALDB_14) If (ALDB_14L = 1, 2) then ALDRQ14L = (2 - ALDB_14L) If (ALDB_14A = 1, 2) then ALDRQ14A = (2 - ALDB_14A)	Rescale and invert the answers for questions ALDB_01 to ALDB_09A (except ALDB_02 and ALDB_08) from 1 and 2 to 1 and 0 respectively for all questions with valid response categories (i.e. old code 2 'No' becomes 0 'No', and 1 'Yes' remains the same).

## 1) Alcohol Dependence Scale (Short Form Score) – 12 Months

**Variable name:** ALDBDSF

**Based on:** ALDB\_01, ALDB\_03, ALDB\_04, ALDB\_05, ALDB\_06, ALDB\_07, ALDB\_09

**Previous Usage:**

CCHS Cycle 1.1: ALDADSF

**Description:** This variable assesses alcohol dependence in the 12 months prior to the interview. Alcohol dependence is defined as tolerance, withdrawal, or loss of control or social or physical problems related to alcohol use. The index is based on a subset of items from the Composite International Diagnostic Interview (CIDI) developed by Kessler and Mroczek (University of Michigan). The CIDI is a structured diagnostic instrument that provides diagnostic estimates according to the operationalization of some of the criteria of the DSM-III-R classification for psychoactive substance user disorder.

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

Value of ALDBDSFY	Condition(s)	Explanation
0	ALDB_01 = NA	Respondent did not drink enough in the past 12 months to answer the alcohol dependence questions for that period.
NS	(ALDB_01 = DK, R, NS) or (ALDB_03 = DK, R, NS) or (ALDB_04 = DK, R, NS) or (ALDB_05 = DK, R, NS) or (ALDB_06 = DK, R, NS) or (ALDB_07 = DK, R, NS) or (ALDB_09 = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.
ALDRQ01 + ALDRQ03 + ALDRQ04 + ALDRQ05 + ALDRQ06 + ALDRQ07 + ALDRQ09  (min: 0; max: 7)	(ALDRQ01 = 0, 1) and (ALDRQ03 = 0, 1) and (ALDRQ04 = 0, 1) and (ALDRQ05 = 0, 1) and (ALDRQ06 = 0, 1) and (ALDRQ07 = 0, 1) and (ALDRQ09 = 0, 1)	Respondent answered yes or no to all questions required for calculation.

## 2) Probability of Caseness to Respondents (Alcohol Dependence) – 12 Months

**Variable name:** ALDBDPP

**Based on:** ALDBDSF

**Previous Usage:**

CCHS Cycle 1.1: ALDADPP

**Description:** The probability of caseness to respondents was assigned based on their short-form scores. The short-form measure of Alcohol Dependence was developed to reproduce a measure that partially operationalized both Criterion A and Criterion B of the DSM-III-R diagnosis for Psychoactive Substance Use Disorder. A probability of caseness of zero was assigned to respondents who denied the stem questions. The optimal dichotomous classification rule is to define all respondents with a short-form score of three or more as probable cases and all those with scores of zero through two as probable non-cases.

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

Value of ALDBDPP	Condition(s)	Explanation
NA	ALDBDSF = NA	Transformation of values derived in ALDBDSF
NS	ALDBDSF = NS	
0.00	ALDBDSF = 0	
0.05	ALDBDSF = 1	
0.40	ALDBDSF = 2	
0.85	ALDBDSF = 3	
1.00	3 < ALDBDSF < NA	

### 3) Alcohol Interference 12 Months - Mean

**Variable name:** ALDBDINT

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

**Previous Usage:** None

**Description:** This variable describes the interference that alcohol use had on daily activities and responsibilities in the past 12 months. This is a mean of the five items.

Value of ALDBDINT	Condition(s)	Explanation
NA	ALDB_15A = NA	Respondent did not drink frequently enough or did not indicate problems with alcohol use.
NS	(ALDB_15A = DK, R, NS) or (ALDB_5B1 = DK, R, NS) or (ALDB_5B2 = DK, R, NS) or (ALDB_15C = DK, R, NS) or (ALDB_15D = DK, R, NS)	Respondent did not answer (don't know, refuse, or not stated) at least one question required for calculation.
$(ALDB\_15A + ALDB\_5B1 + ALDB\_5B2 + ALDB\_15C + ALDB\_15D) / 5$  (min: 0.0; max: 10.0) (round to .1)	0 <= ALDB_5B1 <= 10 and 0 <= ALDB_5B2 <= 10 and 0 <= ALDB_15A <= 10 and 0 <= ALDB_15C <= 10 and 0 <= ALDB_15D <= 10	Interference = mean of all five items. Respondent answered all five questions.
$(ALDB\_15A + ALDB\_5B2 + ALDB\_15C + ALDB\_15D) / 4$  (min: 0.0; max: 10.0) (round to .1)	ALDB_5B1 = 11 and 0 <= ALDB_5B2 <= 10 and 0 <= ALDB_15A <= 10 and 0 <= ALDB_15C <= 10 and 0 <= ALDB_15D <= 10	Interference = mean of four items that applied to respondent. ALDB_5B1 was not applicable (i.e., they did not attend school within the past 12 months).
$(ALDB\_15A + ALDB\_5B1 + ALDB\_15C + ALDB\_15D) / 4$  (min: 0.0; max: 10.0) (round to .1)	0 <= ALDB_5B1 <= 10 and ALDB_5B2 = 11 and 0 <= ALDB_15A <= 10 and 0 <= ALDB_15C <= 10 and 0 <= ALDB_15D <= 10	Interference = mean of 4 items that applied to respondent. ALDB_5B2 was not applicable (i.e., they did not have a job within the past 12 months).
$(ALDB\_15A + ALDB\_15C + ALDB\_15D) / 3$  (min: 0.0; max: 10.0) (round to .1)	ALDB_5B1 = 11 and ALDB_5B2 = 11 and 0 <= ALDB_15A <= 10 and 0 <= ALDB_15C <= 10 and 0 <= ALDB_15D <= 10	Interference = mean of three items that applied to respondent. ALDB_5B1 and ALDB_5B2 were not applicable (i.e., they did not attend school and did not have a job within the past 12 months).

#### 4) Flag for Alcohol Interference 12 Months

**Variable name:** ALDBFINT

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

**Previous Usage:** None

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

Value of ALDBFINT	Condition(s)	Explanation
NA	ALDB_15A = NA	Respondent did not drink frequently enough or did not indicate problems with alcohol use.
1	4 <= ALDB_15A <= 10 or 4 <= ALDB_5B1 <= 10 or 4 <= ALDB_5B2 <= 10 or 4 <= ALDB_15C <= 10 or 4 <= ALDB_15D <= 10	Alcohol use interfered significantly with the person's normal routine, occupational (academic) functioning, or social activities or relationships in the past 12 months
2	0 <= ALDB_15A <= 3 and (0 <= ALDB_5B1 <= 3 or ALDB_5B1 = 11) and (0 <= ALDB_5B2 <= 3 or ALDB_5B2 = 11) and 0 <= ALDB_15C <= 3 and 0 <= ALDB_15D <= 3	Alcohol use did not interfere significantly with the person's normal routine, occupation (academic) functioning or social activities or relationships in the past 12 months.
NS	(ALDB_15A = DK, R, NS) or (ALDB_5B1 = DK, R, NS) or (ALDB_5B2 = DK, R, NS) or (ALDB_15C = DK, R, NS) or (ALDB_15D = DK, R, NS)	Respondent did not answer (don't know, refuse, or not stated) at least one question required for calculation.

## Illicit Drugs (17 DVs)

This module assesses lifetime and 12-month use of various illicit drugs. The questions for drug use are based on Canada's Alcohol and Other Drugs Survey (1994). In addition, 12-month illicit drug dependence is assessed based on criteria modified from the WMH CIDI which partially meets the DSM-IV definition/classification. For respondents who meet the CCHS 1.2/WMH-CIDI criteria for 12-month drug dependence, interference in daily activities and responsibilities is assessed.

DSM refers to the Diagnostic and Statistical Manual of Mental Disorders used by the American Psychiatric Association. It is an internationally recognized classification of mental disorders with several versions. Mental disorders or problems found in the CCHS 1.2 are operationalized to partially meet the DSM-IV and DSM-III-R definitions/classification.

Note: There is no derived variable for lifetime substance dependence. A skip error in the questionnaire resulted in an inability to assess lifetime symptoms for respondents who were also asked the 12-month dependence questions. Specifically, if a respondent said "yes" to the symptom for the past 12 months, they are not asked whether they had experienced it previously in their lifetime. Therefore, these respondents have lifetime responses only for those 12-month questions to which they answered "no".

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

**Variable name:** IDGBFLCA

**Based on:** IDGB\_01

**Previous Usage:** None

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

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

Value of IDGBFLCA	Condition(s)	Explanation
1	(IDGB_01 = 1, 2)	Respondent has used marijuana.
2	IDGB_01 = 3	Respondent has never used marijuana.
NS	(IDGB_01 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

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

**Variable name:** IDGBFLCM

**Based on:** IDGB\_01

**Previous Usage:** None

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

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

Value of IDGBFLCM	Condition(s)	Explanation
1	IDGB_01 = 2	Respondent has used marijuana more than once.
2	(IDGB_01 = 1, 3)	Respondent has never used marijuana or used it only once.
NS	(IDGB_01 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.



### 3) Cannabis Drug Use – 12-Month (Excluding “One Time Only” Use)

**Variable name:** IDGBFYCM

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

**Previous Usage:** None

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

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

Value of IDGBFYCM	Condition(s)	Explanation
1	IDGB_01 = 2 and IDGB_02 = 1	Respondent has used marijuana in the past 12 months and has used marijuana more than once in his/her lifetime.
2	(IDGB_01 = 1 and IDGB_02 = 1) or (IDGB_02 = 2, NA)	Respondent has not used marijuana in the past 12 months or used it once in the past 12 months and this was the only lifetime use.
NS	(IDGB_02 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

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

**Variable name:** IDGBFLCO

**Based on:** IDGB\_04

**Previous Usage:** None

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

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

Value of IDGBFLCO	Condition(s)	Explanation
1	(IDGB_04 = 1, 2)	Respondent has used cocaine or crack.
2	IDGB_04 = 3	Respondent has never used cocaine or crack.
NS	(IDGB_04 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

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

**Variable name:** IDGBFLAM

**Based on:** IDGB\_07

**Previous Usage:** None

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

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

Value of IDGBFLAM	Condition(s)	Explanation
1	(IDGB_07 = 1, 2)	Respondent has used amphetamines.
2	IDGB_07 = 3	Respondent has never used amphetamines.
NS	(IDGB_07 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 6) MDMA (Ecstasy) Drug Use – Lifetime

**Variable name:** IDGBFLEX

**Based on:** IDGB\_10

**Previous Usage:** None

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

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

Value of IDGBFLEX	Condition(s)	Explanation
1	(IDGB_10 = 1, 2)	Respondent has used MDMA (ecstasy).
2	IDGB_10 = 3	Respondent has never used MDMA (ecstasy).
NS	(IDGB_10 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

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

**Variable name:** IDGBFLHA

**Based on:** IDGB\_13

**Previous Usage:** None

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

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

Value of IDGBFLHA	Condition(s)	Explanation
1	(IDGB_13 = 1, 2)	Respondent has used hallucinogens, PCP, or LSD (acid).
2	IDGB_13 = 3	Respondent has never used hallucinogens, PCP, or LSD (acid).
NS	(IDGB_13 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

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

**Variable name:** IDGBFLGL

**Based on:** IDGB\_16

**Previous Usage:** None

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

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

Value of IDGBFLGL	Condition(s)	Explanation
1	(IDGB_16 = 1, 2)	Respondent has sniffed glue, gasoline or other solvents.
2	IDGB_16 = 3	Respondent has never sniffed glue, gasoline or other solvents.
NS	(IDGB_16 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 9) Heroin Drug Use – Lifetime

**Variable name:** IDGBFLHE

**Based on:** IDGB\_19

**Previous Usage:** None

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

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

Value of IDGBFLHE	Condition(s)	Explanation
1	(IDGB_19 = 1, 2)	Respondent has used heroin.
2	IDGB_19 = 3	Respondent has never used heroin.
NS	(IDGB_19 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 10) Steroid Use – Lifetime

**Variable name:** IDGBFLST

**Based on:** IDGB\_22

**Previous Usage:** None

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

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

Value of IDGBFLST	Condition(s)	Explanation
1	(IDGB_22 = 1, 2)	Respondent has used steroids.
2	IDGB_22 = 3	Respondent has never used steroids.
NS	(IDGB_22 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

## 11) Any Illicit Drug Use – Lifetime (Including “One Time Only” Use of Cannabis)

**Variable name:** IDGBFLA

**Based on:** IDGBFLCA, IDGBFLCO, IDGBFLAM, IDGBFLEX, IDGBFLHA, IDGBFLGL, IDGBFLHE, IDGBFLST

**Previous Usage:** None

**Description:** This variable indicates whether respondents have ever used any of the drugs listed. Includes one time use of cannabis.

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

Value of IDGBFLA	Condition(s)	Explanation
1	IDGBFLCA = 1 or IDGBFLCO = 1 or IDGBFLAM = 1 or IDGBFLEX = 1 or IDGBFLHA = 1 or IDGBFLGL = 1 or IDGBFLHE = 1 or IDGBFLST = 1	Respondent has used at least one listed drug, including “one time only” use of cannabis.
2	IDGBFLCA = 2 and IDGBFLCO = 2 and IDGBFLAM = 2 and IDGBFLEX = 2 and IDGBFLHA = 2 and IDGBFLGL = 2 and IDGBFLHE = 2 and IDGBFLST = 2	Respondent has never used drugs listed.
NS	IDGBFLCA = NS or IDGBFLCO = NS or IDGBFLAM = NS or IDGBFLEX = NS or IDGBFLHA = NS or IDGBFLGL = NS or IDGBFLHE = NS or IDGBFLST = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

## 12) Any Illicit Drug Use – Lifetime (Excluding “One Time Only” Use of Cannabis)

**Variable name:** IDGBFLAC

**Based on:** IDGBFLCM, IDGBFLCO, IDGBFLAM, IDGBFLEX, IDGBFLHA, IDGBFLGL, IDGBFLHE, IDGBFLST

**Previous Usage:** None

**Description:** This variable indicates whether respondents have ever used any of the drugs listed. Excludes one time use of cannabis.

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

Value of IDGBFLAC	Condition(s)	Explanation
1	IDGBFLCM = 1 or IDGBFLCO = 1 or IDGBFLAM = 1 or IDGBFLEX = 1 or IDGBFLHA = 1 or IDGBFLGL = 1 or IDGBFLHE = 1 or IDGBFLST = 1	Respondent has used at least one listed drug, excluding “one time only” use of cannabis.
2	IDGBFLCM = 2 and IDGBFLCO = 2 and	Respondent never used cannabis more than once and never used

	IDGBFLAM = 2 and IDGBFLEX = 2 and IDGBFLHA = 2 and IDGBFLGL = 2 and IDGBFLHE = 2 and IDGBFLST = 2	other listed drugs.
NS	IDGBFLCM = NS or IDGBFLCO = NS or IDGBFLAM = NS or IDGBFLEX = NS or IDGBFLHA = NS or IDGBFLGL = NS or IDGBFLHE = NS or IDGBFLST = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

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

**Variable name:** IDGBFYA

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

**Previous Usage:** None

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

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

Value of IDGBFYA	Condition(s)	Explanation
1	IDGB_02 = 1 or IDGB_05 = 1 or IDGB_08 = 1 or IDGB_11 = 1 or IDGB_14 = 1 or IDGB_17 = 1 or IDGB_20 = 1 or IDGB_23 = 1	Respondent has used at least one listed drug in the past 12 months, including “one time only” use of cannabis.
2	(IDGB_02 = 2, NA) and (IDGB_05 = 2, NA) and (IDGB_08 = 2, NA) and (IDGB_11 = 2, NA) and (IDGB_14 = 2, NA) and (IDGB_17 = 2, NA) and (IDGB_20 = 2, NA) and (IDGB_23 = 2, NA)	Respondent has not used any drugs listed in the past 12 months.
NS	(IDGB_02 = DK, R, NS) or (IDGB_05 = DK, R, NS) or (IDGB_08 = DK, R, NS) or (IDGB_11 = DK, R, NS) or (IDGB_14 = DK, R, NS) or (IDGB_17 = DK, R, NS) or (IDGB_20 = DK, R, NS) or (IDGB_23 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

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

**Variable name:** IDGBFYAC

**Based on:** IDGBFYCM, IDGB\_05, IDGB\_08, IDGB\_11, IDGB\_14, IDGB\_17, IDGB\_20, IDGB\_23

**Previous Usage:** None

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

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

Value of IDGBFYAC	Condition(s)	Explanation
1	IDGBFYCM = 1 or IDGB_05 = 1 or IDGB_08 = 1 or IDGB_11 = 1 or IDGB_14 = 1 or IDGB_17 = 1 or IDGB_20 = 1 or IDGB_23 = 1	Respondent has used at least one drug in the past 12 months, excluding “one time only” lifetime use of cannabis.
2	IDGBFYCM = 2 and (IDGB_05 = 2, NA) and (IDGB_08 = 2, NA) and (IDGB_11 = 2, NA) and (IDGB_14 = 2, NA) and (IDGB_17 = 2, NA) and (IDGB_20 = 2, NA) and (IDGB_23 = 2, NA)	Respondent who used cannabis once in the past 12 months and that use was their only lifetime use are included.
NS	IDGBFYCM = NS or (IDGB_05 = DK, R, NS) or (IDGB_08 = DK, R, NS) or (IDGB_11 = DK, R, NS) or (IDGB_14 = DK, R, NS) or (IDGB_17 = DK, R, NS) or (IDGB_20 = DK, R, NS) or (IDGB_23 = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation. Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 15) Illicit Drug Dependence – 12-Month

**Variable name:** IDGBFYDP

**Based on:** IDGB\_25A, IDGB\_25B, IDGB\_25C, IDGB\_25D, IDGB\_25E, IDGB\_25F, IDGB\_25G, IDGB\_25H

**Previous Usage:** None

**Description:** This variable assesses whether the respondent meets the criteria for illicit drug dependence in the previous 12 months. The criteria, modified from the CIDI, are partially operationalized to meet the DSM-IV definitions/classification. Respondents who meet the CCHS 1.2 criteria reported a maladaptive pattern of drug use, leading to clinically significant impairment or distress, as manifested by three or more of the following six symptoms, all exhibited within the same 12-month period:

1. tolerance, as defined by a need for markedly increased amounts of the drug to achieve intoxication or desired effect or by markedly diminished effect with continued use of the same amount of drug;
2. withdrawal, as manifested by withdrawal syndrome or by taking the same (or a closely related) substance to relieve or avoid withdrawal symptoms;
3. the drug is often taken in larger amounts or over a longer period than was intended or drugs are used even though respondents promised not to;
4. a great deal of time is spent in activities necessary to obtain the drug (e.g. visiting multiple doctors or driving long distances), using the drug, or recovering from its effects;
5. important social, occupational, or recreational activities are given up because of drug use; and

6. the drug use is continued despite knowledge of having a persistent or recurrent physical or psychological problem that is likely to have been caused or exacerbated by the drug.

**Note:** Two temporary variables are created first and then used to calculate the illicit drug dependence variable.

### 15a) Temporary Variable - Larger or Longer Drug Intake than Intended – 12-Month

**Variable name:** IDGBTS3Y

**Based on:** IDGB\_25D, IDGB\_25E

**Description:** This variable indicates whether the respondent took drugs in larger amounts or over a longer period than was intended or if he used drugs even though he promised not to. This is symptom 3 for DSM-IV criteria.

Value of IDGBTS3Y	Condition(s)	Explanation
NA	IDGB_25D = NA	Respondent did not use drugs frequently enough in the 12 months prior to the interview to answer the drug dependence questions for the past 12 months.
1	IDGB_25D = 1 or IDGB_25E = 1	In the past 12 months, respondent used drugs more or for a longer period than intended or used drugs even though he/she promised not to.
2	IDGB_25D = 2 and IDGB_25E = 2	In the past 12 months, respondent did not use drugs more or for a longer period than intended or use drugs even though he/she promised not to.
NS	(IDGB_25D = DK, R, NS) or (IDGB_25E = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

### 15b) Temporary Variable - Withdrawal Symptoms – 12-Month

**Temporary Variable name:** IDGBTS2Y

**Based on:** IDGB\_25B, IDGB\_25C

**Description:** Withdrawal, as manifested by either:

1. the characteristic withdrawal syndrome or
2. the same or a closely related substance is taken to relieve or avoid withdrawal symptoms.

**Note:** This is calculated only for respondents who answered the 12-month questions.

Value of IDGBTS2Y	Condition(s)	Explanation
NA	IDGB_25B = NA	Respondent didn't use drugs frequently enough in the past 12 months to answer the drug dependence questions for the past 12 months.
1	IDGB_25B = 1 or IDGB_25C = 1	In the past 12 months, respondent experienced withdrawal symptoms associated with drug use.
2	IDGB_25B = 2 and IDGB_25C = 2	In the past 12 months, respondent did not experience withdrawal symptoms associated with drug use.

NS	(IDGB_25B = DK, R, NS) or (IDGB_25C = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
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**Calculating 12-Month Illicit Drug Dependence:**

Value of IDGBFYDP	Condition(s)	Explanation
1	At least 3 of (IDGB_25A, IDGBTS2Y, IDGBTS3Y, IDGB_25F, IDGB_25G, IDGB_25H) = 1	Respondent meets the CCHS 1.2/WMH-CIDI criteria for drug dependence in the past 12 months.  Respondent reported a maladaptive pattern of drug use, as manifested by 3 or more symptoms.
2	At least 4 of (IDGB_25A, IDGBTS2Y, IDGBTS3Y, IDGB_25F, IDGB_25G, IDGB_25H) = 2 or IDGB_25A = NA	Respondent does not meet the CCHS 1.2/WMH-CIDI criteria for drug dependence in the past 12 months.  Respondent did not report at least 4 symptoms or respondent didn't take drugs frequently enough in the past 12 months to answer the drug dependence questions.
NS	(IDGB_25A = DK, R, NS) or IDGBTS2Y = NS or IDGBTS3Y = NS or (IDGB_25F = DK, R, NS) or (IDGB_25G = DK, R, NS) or (IDGB_25H = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation or respondent has a non-response (not stated) value in the derived variable required for calculation.

**16) Illicit Drug Interference 12-Month - Mean****Variable name:** IDGBDINT**Based on:** IDGB\_26A, IDGB\_6B1, IDGB\_6B2, IDGB\_26C, IDGB\_26D**Previous Usage:** None**Description:** This variable describes the interference that drug use had on daily activities and responsibilities in the past 12 months. It is a mean of the five items.

Value of IDGBDINT	Condition(s)	Explanation
NA	IDGB_26A = NA	Respondent did not use drugs frequently enough or did not indicate problems with drug use.
NS	(IDGB_26A = DK, R, NS) or (IDGB_6B1 = DK, R, NS) or (IDGB_6B2 = DK, R, NS) or (IDGB_26C = DK, R, NS) or (IDGB_26D = DK, R, NS)	Respondent did not answer (don't know, refusal, or not stated) at least one question required for calculation.
$(IDGB\_26A + IDGB\_6B1 + IDGB\_6B2 + IDGB\_26C + IDGB\_26D) / 5$  (min: 0.0; max: 10.0) (round to .1)	$0 \leq IDGB\_6B1 \leq 10$ and $0 \leq IDGB\_6B2 \leq 10$ and $0 \leq IDGB\_26A \leq 10$ and $0 \leq IDGB\_26C \leq 10$ and $0 \leq IDGB\_26D \leq 10$	Interference = mean of all five items. Respondent answered all five questions.
$(IDGB\_26A + IDGB\_6B2 +$	$IDGB\_6B1 = 11$ and	Interference = mean of four items



$(IDGB\_26C + IDGB\_26D) / 4$ (min: 0.0; max: 10.0) (round to .1)	$0 \leq IDGB\_6B2 \leq 10$ and $0 \leq IDGB\_26A \leq 10$ and $0 \leq IDGB\_26C \leq 10$ and $0 \leq IDGB\_26D \leq 10$	that applied to respondent. IDGB_6B_1 was not applicable (i.e., they did not attend school within the past 12 months).
$(IDGB\_26A + IDGB\_6B1 + IDGB\_26C + IDGB\_26D) / 4$ (min: 0.0; max: 10.0) (round to .1)	$0 \leq IDGB\_6B1 \leq 10$ and $IDGB\_6B2 = 11$ and $0 \leq IDGB\_26A \leq 10$ and $0 \leq IDGB\_26C \leq 10$ and $0 \leq IDGB\_26D \leq 10$	Interference = mean of four items that applied to respondent. IDGB_6B_2 was not applicable (i.e., they did not have a job within the past 12 months).
$(IDGB\_26A + IDGB\_26C + IDGB\_26D) / 3$ (min: 0.0; max: 10.0) (round to .1)	$IDGB\_6B1 = 11$ and $IDGB\_6B2 = 11$ and $0 \leq IDGB\_26A \leq 10$ and $0 \leq IDGB\_26C \leq 10$ and $0 \leq IDGB\_26D \leq 10$	Interference = mean of three items that applied to respondent. IDGB_6B_1 and IDGB_6B_2 were not applicable (i.e., they did not attend school and did not have a job in the past 12 months).

## 17) Flag for Illicit Drug Interference – 12-Month

**Variable name:** IDGBFINT

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

**Previous Usage:** None

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

Value of IDGBFINT	Condition(s)	Explanation
NA	$IDGB\_26A = NA$	Respondent did not use drugs frequently enough or did not indicate problems with drug use.
1	$4 \leq IDGB\_26A \leq 10$ or $4 \leq IDGB\_6B1 \leq 10$ or $4 \leq IDGB\_6B2 \leq 10$ or $4 \leq IDGB\_26C \leq 10$ or $4 \leq IDGB\_26D \leq 10$	Drug use interfered significantly with the person's normal routine, occupational (academic) functioning, or social activities or relationships in the past 12 months.
2	$0 \leq IDGB\_26A \leq 3$ and ( $0 \leq IDGB\_6B1 \leq 3$ or $IDGB\_6B1 = 11$ ) and ( $0 \leq IDGB\_6B2 \leq 3$ or $IDGB\_6B2 = 11$ ) and $0 \leq IDGB\_26C \leq 3$ and $0 \leq IDGB\_26D \leq 3$	Drug use did not interfere significantly with the person's normal routine, occupation (academic) functioning or social activities or relationships in the past 12 months.
NS	( $IDGB\_26A = DK, R, NS$ ) or ( $IDGB\_6B1 = DK, R, NS$ ) or ( $IDGB\_6B2 = DK, R, NS$ ) or ( $IDGB\_26C = DK, R, NS$ ) or ( $IDGB\_26D = DK, R, NS$ )	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## Problem Gambling (4 DVs)

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

### Temporary Reformats

Reformat	Explanation
If (CPGB_03 = 1, 2, 3, 4) then CPGRQ03 = (CPGB_03-1)	Rescale the variables so that the range is from 0 to 3 instead of 1 to 4 (0 = never, 1 = sometimes, 2 = most of the time, 3 = almost always)
If (CPGB_04 = 1, 2, 3, 4) then CPGRQ04 = (CPGB_04-1)	
If (CPGB_05 = 1, 2, 3, 4) then CPGRQ05 = (CPGB_05-1)	
If (CPGB_06 = 1, 2, 3, 4) then CPGRQ06 = (CPGB_06-1)	
If (CPGB_07 = 1, 2, 3, 4) then CPGRQ07 = (CPGB_07-1)	
If (CPGB_08 = 1, 2, 3, 4) then CPGRQ08 = (CPGB_08-1)	
If (CPGB_09 = 1, 2, 3, 4) then CPGRQ09 = (CPGB_09-1)	
If (CPGB_10 = 1, 2, 3, 4) then CPGRQ10 = (CPGB_10-1)	
If (CPGB_11 = 1, 2, 3, 4) then CPGRQ11 = (CPGB_11-1)	
If (CPGB_12 = 1, 2, 3, 4) then CPGRQ12 = (CPGB_12-1)	
If (CPGB_13 = 1, 2, 3, 4) then CPGRQ13 = (CPGB_13-1)	
If (CPGB_14 = 1, 2, 3, 4) then CPGRQ14 = (CPGB_14-1)	
If (CPGB_15 = 1, 2, 3, 4) then CPGRQ15 = (CPGB_15-1)	
If (CPGB_16 = 1, 2, 3, 4) then CPGRQ16 = (CPGB_16-1)	

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

**Variable name:** CPGBFGAM

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

**Previous Usage:** None

**Description:** This variable defines respondents as gamblers or non-gamblers. A non-gambler is defined as someone who has not engaged at all in the past year in any type of the gambling activities listed. A gambler is defined as someone who has engaged in at least one type of gambling activity in the past year.

Value of CPGBFGAM	Condition(s)	Explanation
1	1 <= CPGB01A <= 7 or 1 <= CPGB01B <= 7 or 1 <= CPGB01C <= 7 or 1 <= CPGB01D <= 7 or 1 <= CPGB01E <= 7 or 1 <= CPGB01F <= 7 or 1 <= CPGB01G <= 7 or 1 <= CPGB01H <= 7 or 1 <= CPGB01I <= 7 or 1 <= CPGB01J <= 7 or 1 <= CPGB01K <= 7 or 1 <= CPGB01L <= 7 or 1 <= CPGB01M <= 7	Gambler – respondent engaged in at least one type of gambling activity.
2	CPGB_01A = 8 and CPGB_01B = 8 and CPGB_01C = 8 and CPGB_01D = 8 and CPGB_01E = 8 and CPGB_01F = 8 and	Non-gambler – respondent did not engage in any of the types of gambling activities.

	CPGB_01G = 8 and CPGB_01H = 8 and CPGB_01I = 8 and CPGB_01J = 8 and CPGB_01K = 8 and CPGB_01L = 8 and CPGB_01M = 8	
NS	(CPGB_01A = DK, R, NS) or (CPGB_01B = DK, R, NS) or (CPGB_01C = DK, R, NS) or (CPGB_01D = DK, R, NS) or (CPGB_01E = DK, R, NS) or (CPGB_01F = DK, R, NS) or (CPGB_01G = DK, R, NS) or (CPGB_01H = DK, R, NS) or (CPGB_01I = DK, R, NS) or (CPGB_01J = DK, R, NS) or (CPGB_01K = DK, R, NS) or (CPGB_01L = DK, R, NS) or (CPGB_01M = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 2) Problem Gambling Severity Index (PGSI) – modified version

**Variable name:** CPGBDSEV

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

**Previous Use:** None

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

**Note:** A modification from the CPGI is that if respondents volunteered in CPGB\_02 that "I am not a gambler", they were not asked the severity questions despite having reported gambling activity in the past 12 months. These respondents are assigned a code of 95 for this variable. In addition, respondents who reported participating in each gambling activity from CPGB\_01A to CPGB\_01M at most 1 to 5 times each during the past year were not asked questions on problem gambling. Finally, gambling activities were regrouped in the questionnaire into fewer categories than used in the original CPGI. Modifications made to the original instrument were approved by Dr. Wynne. For more information on modifications to the questionnaire, see the User Guide. Higher scores indicate more problems associated with gambling.

**Reference:** Modified from the CPGI (Canadian Problem Gambling Index) developed by Harold Wynne and Jackie Ferris. "The Canadian Problem Gambling Index, Final Report." - Final Report, February 1999, Submitted to the Canadian Centre on Substance Abuse. Jackie Ferris, Harold Wynne.

Value of CPGBDSEV	Condition(s)	Explanation
NA	CPGBFGAM = 2	Non-gambler
NS	(CPGBFGAM = NS) or (CPGB_03 = DK, R, NS) or (CPGB_04 = DK, R, NS) or (CPGB_05 = DK, R, NS) or (CPGB_06 = DK, R, NS) or (CPGB_07 = DK, R, NS) or (CPGB_08 = DK, R, NS) or (CPGB_09 = DK, R, NS) or (CPGB_10 = DK, R, NS) or (CPGB_13 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
95	CPGB_02 = 5	Respondent is not asked severity questions because they do not consider themselves a gambler.
0	CPGBFGAM = 1 and	Severity index score of 0.

	CPGB_02 = NA	Respondents who gambled at most 1-5 times a year for each gambling activity mentioned are not asked the severity index questions.
CPGRQ03 + CPGRQ04 + CPGRQ05 + CPGRQ06 + CPGRQ07 + CPGRQ08 + CPGRQ09 + CPGRQ10 + CPGRQ13  (min: 0; max: 27)	(CPGRQ03 = 0, 1, 2, 3) and (CPGRQ04 = 0, 1, 2, 3) and (CPGRQ05 = 0, 1, 2, 3) and (CPGRQ06 = 0, 1, 2, 3) and (CPGRQ07 = 0, 1, 2, 3) and (CPGRQ08 = 0, 1, 2, 3) and (CPGRQ09 = 0, 1, 2, 3) and (CPGRQ10 = 0, 1, 2, 3) and (CPGRQ13 = 0, 1, 2, 3)	Score on severity index. Higher scores indicate more problems associated with gambling.

### 3) Type of Gambler

**Variable name:** CPGBDTYP

**Based on:** CPGBDSEV, CPGBFGAM

**Previous Usage:** None

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

**Note:** A modification from the CPGI is that if respondents volunteered in CPGB\_02 that "I am not a gambler", they were not asked the severity questions despite having reported gambling activity in the past 12 months. These respondents are assigned a code of 95. In addition, respondents who reported participating in each gambling activity from CPGB\_01A to CPGB\_01M at most 1 to 5 times each during the past year were not asked questions on problem gambling. Finally, gambling activities were regrouped in the questionnaire into fewer categories than used in the original CPGI. Modifications made to the original instrument were approved by Dr. Wynne. For more information on modifications to the questionnaire, see the User Guide.

**Reference:** Modified from the CPGI (Canadian Problem Gambling Index) developed by Harold Wynne and Jackie Ferris. "The Canadian Problem Gambling Index, Final Report." - Final Report, February 1999, Submitted to the Canadian Centre on Substance Abuse. Jackie Ferris, Harold Wynne.

Value of CPGBDTYP	Condition(s)	Explanation
NS	CPGBDSEV = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.
1	CPGBFGAM = 2	Non-gambler
2	CPGBDSEV = 0	Non-problem gambler
3	(CPGBDSEV = 1, 2)	Low risk gambler
4	(CPGBDSEV = 3, 4, 5, 6, 7)	Moderate risk gambler
5	CPGBDSEV ≥ 8	Problem Gambler
95	CPGBDSEV = 95	Respondent not asked severity questions because they do not consider themselves a gambler.

#### 4) Number of Types of Gambling Activities in the list used to calculate CPGI

**Variable name:** CPGBDACT

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

**Previous Usage:** None

**Description:** This variable counts the number of different types of gambling activities in which the respondent participated.

#### Temporary Reformats

<b>Temporary Input Variables:</b> Temporary input variables are initialized to their respective values (i.e. CPGRQ01A set to value in CPG_Q01A) and then set to zero when the condition is true.	
<b>Reformat</b>	<b>Explanation</b>
If CPGB_01A = 8 then CPGRQ01A = 0 If CPGB_01B = 8 then CPGRQ01B = 0 If CPGB_01C = 8 then CPGRQ01C = 0 If CPGB_01D = 8 then CPGRQ01D = 0 If CPGB_01E = 8 then CPGRQ01E = 0 If CPGB_01F = 8 then CPGRQ01F = 0 If CPGB_01G = 8 then CPGRQ01G = 0 If CPGB_01H = 8 then CPGRQ01H = 0 If CPGB_01I = 8 then CPGRQ01I = 0 If CPGB_01J = 8 then CPGRQ01J = 0 If CPGB_01K = 8 then CPGRQ01K = 0 If CPGB_01L = 8 then CPGRQ01L = 0 If CPGB_01M = 8 then CPGRQ01M = 0	Temporarily recode 8 to 0 so that "never" does not count in sum of different types of gambling activity participated in.
If 1 <= CPGB_01A <= 7 then CPGRQ01A = 1 If 1 <= CPGB_01B <= 7 then CPGRQ01B = 1 If 1 <= CPGB_01C <= 7 then CPGRQ01C = 1 If 1 <= CPGB_01D <= 7 then CPGRQ01D = 1 If 1 <= CPGB_01E <= 7 then CPGRQ01E = 1 If 1 <= CPGB_01F <= 7 then CPGRQ01F = 1 If 1 <= CPGB_01G <= 7 then CPGRQ01G = 1 If 1 <= CPGB_01H <= 7 then CPGRQ01H = 1 If 1 <= CPGB_01I <= 7 then CPGRQ01I = 1 If 1 <= CPGB_01J <= 7 then CPGRQ01J = 1 If 1 <= CPGB_01K <= 7 then CPGRQ01K = 1 If 1 <= CPGB_01L <= 7 then CPGRQ01L = 1 If 1 <= CPGB_01M <= 7 then CPGRQ01M = 1	Temporarily recode 1 to 7 to 1 so that each activity can be counted as a different types of gambling activity participated in.

Value of CPGBDACT	Condition(s)	Explanation
NS	(CPGB_01A = DK, R) or (CPGB_01B = DK, R, NS) or (CPGB_01C = DK, R, NS) or (CPGB_01D = DK, R, NS) or (CPGB_01E = DK, R, NS) or (CPGB_01F = DK, R, NS) or (CPGB_01G = DK, R, NS) or (CPGB_01H = DK, R, NS) or (CPGB_01I = DK, R, NS) or (CPGB_01J = DK, R, NS) or (CPGB_01K = DK, R, NS) or (CPGB_01L = DK, R, NS) or (CPGB_01M = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
CPGRQ01A + CPGRQ01B + CPGRQ01C + CPGRQ01D + CPGRQ01E + CPGRQ01F + CPGRQ01G + CPGRQ01H + CPGRQ01I + CPGRQ01J + CPGRQ01K + CPGRQ01L + CPGRQ01M  (min: 0; max: 13)	(CPGRQ01A = 0, 1) and (CPGRQ01B = 0, 1) and (CPGRQ01C = 0, 1) and (CPGRQ01D = 0, 1) and (CPGRQ01E = 0, 1) and (CPGRQ01F = 0, 1) and (CPGRQ01G = 0, 1) and (CPGRQ01H = 0, 1) and (CPGRQ01I = 0, 1) and (CPGRQ01J = 0, 1) and (CPGRQ01K = 0, 1) and (CPGRQ01L = 0, 1) and (CPGRQ01M = 0, 1)	Number of different types of gambling participated.

## Eating Troubles (2 DVs)

The Eating Troubles module is based on the Eating Attitudes Test (EAT) developed by Dr David M. Garner. The EAT-26 is a widely used standardized measure of the extent of symptoms and concerns characteristic of eating disorders although it does not yield a specific diagnosis.

### 1) Eating Attitudes Test Index Score

**Variable name:** ETABDIND

**Based on:** ETAB\_01A, ETAB\_01B, ETAB\_02, ETAB\_03, ETAB\_04, ETAB\_05, ETAB\_06, ETAB\_07, ETAB\_08, ETAB\_09, ETAB\_10, ETAB\_11, ETAB\_12, ETAB\_13, ETAB\_14, ETAB\_15, ETAB\_16, ETAB\_17, ETAB\_18, ETAB\_19, ETAB\_20, ETAB\_21, ETAB\_22, ETAB\_23, ETAB\_24, ETAB\_25, ETAB\_26, ETAB\_27

**Previous Usage:** None

**Description:** This variable is a measure of the extent of the symptoms and concerns characteristic of eating disorders. The EAT is usually administered to individuals who have expressed or displayed symptoms or ill concerns associated with eating attitudes and behaviours. CCHS 1.2 added two screener questions to assess past 12 months and lifetime concerns with eating attitudes and behaviours. Those who responded positively to the screener were then asked all of the items/questions used to assess the EAT-26. For more information, see the User Guide.

Higher scores indicate higher risk of eating disorder.

### Temporary Reformats

Reformat	Explanation
For ETAB_02--ETAB_26:  If ETAB_xx = 01 then ETARQxx = 3 If ETAB_xx = 02 then ETARQxx = 2 If ETAB_xx = 03 then ETARQxx = 1 If ETAB_xx = 04 then ETARQxx = 0 If ETAB_xx = 05 then ETARQxx = 0 If ETAB_xx = 06 then ETARQxx = 0	Recode the values to 0-3 for all questions with non-missing values.
For ETAB_27:  If ETAB_27 = 01 then ETARQ27 = 0 If ETAB_27 = 02 then ETARQ27 = 0 If ETAB_27 = 03 then ETARQ27 = 0 If ETAB_27 = 04 then ETARQ27 = 1 If ETAB_27 = 05 then ETARQ27 = 2 If ETAB_27 = 06 then ETARQ27 = 3	Recode the values to 0-3 with non-missing values.

Value of ETABDIND	Condition(s)	Explanation
NS	(ETAB_01A = DK, R, NS) or (ETAB_01B = DK, R, NS) or (ETAB_02 = DK, R, NS) or (ETAB_03 = DK, R, NS) or (ETAB_04 = DK, R, NS) or (ETAB_05 = DK, R, NS) or (ETAB_06 = DK, R, NS) or (ETAB_07 = DK, R, NS) or (ETAB_08 = DK, R, NS) or (ETAB_09 = DK, R, NS) or (ETAB_10 = DK, R, NS) or (ETAB_11 = DK, R, NS) or (ETAB_12 = DK, R, NS) or (ETAB_13 = DK, R, NS) or (ETAB_14 = DK, R, NS) or (ETAB_15 = DK, R, NS) or (ETAB_16 = DK, R, NS) or (ETAB_17 = DK, R, NS) or (ETAB_18 = DK, R, NS) or (ETAB_19 = DK, R, NS) or (ETAB_20 = DK, R, NS) or (ETAB_21 = DK, R, NS) or (ETAB_22 = DK, R, NS) or (ETAB_23 = DK, R, NS) or (ETAB_24 = DK, R, NS) or (ETAB_25 = DK, R, NS) or (ETAB_26 = DK, R, NS) or (ETAB_27 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
NA	ETAB_01A = 2 or ETAB_01B = 2	Respondent had no fear or concern with being overweight and is not deemed at risk of an eating disorder.



ETARQ02 + ETARQ03 + ETARQ04 + ETARQ05 + ETARQ06 + ETARQ07 + ETARQ08 + ETARQ09 + ETARQ10 + ETARQ11 + ETARQ12 + ETARQ13 + ETARQ14 + ETARQ15 + ETARQ16 + ETARQ17 + ETARQ18 + ETARQ19 + ETARQ20 + ETARQ21 + ETARQ22 + ETARQ23 + ETARQ24 + ETARQ25 + ETARQ26 + ETARQ27  (min: 0; max: 78)	1 <= ETAB_02 <= 6 and 1 <= ETAB_03 <= 6 and 1 <= ETAB_04 <= 6 and 1 <= ETAB_05 <= 6 and 1 <= ETAB_06 <= 6 and 1 <= ETAB_07 <= 6 and 1 <= ETAB_08 <= 6 and 1 <= ETAB_09 <= 6 and 1 <= ETAB_10 <= 6 and 1 <= ETAB_11 <= 6 and 1 <= ETAB_12 <= 6 and 1 <= ETAB_13 <= 6 and 1 <= ETAB_14 <= 6 and 1 <= ETAB_15 <= 6 and 1 <= ETAB_16 <= 6 and 1 <= ETAB_17 <= 6 and 1 <= ETAB_18 <= 6 and 1 <= ETAB_19 <= 6 and 1 <= ETAB_20 <= 6 and 1 <= ETAB_21 <= 6 and 1 <= ETAB_22 <= 6 and 1 <= ETAB_23 <= 6 and 1 <= ETAB_24 <= 6 and 1 <= ETAB_25 <= 6 and 1 <= ETAB_26 <= 6 and 1 <= ETAB_27 <= 6	Score obtained for EAT_26 scale
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## 2) Eating Attitudes Test Index Flag

**Variable name:** ETABFIND

**Based on:** ETABDIND

**Previous Usage:** None

**Description:** Flag based on Eating Attitudes Test Index score. Individuals scoring above the threshold are at risk for having an eating disorder.

Value of ETABFIND	Condition(s)	Explanation
NS	(ETABDIND = DK, R, NS)	Respondent has a non-response (not stated) value in the variable required for calculation.
1	21 <= ETABDIND <= 78	Respondent is at risk for having eating troubles.
2	0 <= ETABDIND <= 20 or ETABDIND = NA	Respondent does not likely have eating troubles.

## Restriction of Activities (4 DVs)

### 1) Impact of Health Problems

**Variable name:** RACBDIMP

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

**Previous usage:**

CCHS Cycle 1.1: RACADIMP

**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 of: 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 variable is derived from RACB\_2A, RACB\_2B1, RACB\_2B2 and RACB\_2C. These questions, plus RACB\_1, were asked in the 2001 Census of Population to identify a sample for the 2001 post-censal Participation and Activity Limitation Survey (PALS). Also, because of differences in question wording between the CCHS and National Population Health Survey (NPHS questions are 1991 Census questions), RACBDIMP should NOT be compared to the NPHS variables RES\_FLG, RAC6F1, RAC8F1, RAC0F1 or RAC2F1.

Value of RACBDIMP	Condition(s)	Explanation
NS	(RACB_2A = DK, R, NS) or (RACB_2B1 = DK, R, NS) or (RACB_2B2 = DK, R, NS) or (RACB_2C = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
2	RACB_2A = 2 or RACB_2B1 = 2 or RACB_2B2 = 2 or RACB_2C = 2	Often
1	RACB_2A = 1 or RACB_2B1 = 1 or RACB_2B2 = 1 or RACB_2C = 1	Sometimes
3	RACB_2A = 3 and (RACB_2B1 = 3, 4) and (RACB_2B2 = 3, 4) and RACB_2C = 3	Never

### 2) Participation and Activity Limitation

**Variable name:** RACBDPAL

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

**Previous Usage:** None

**Description:** This variable is parallel to RACBDIMP with the exception that RACB\_1 is included in RACBDPAL. This variable is a modification of the Participation and Activity Limitation Survey (PALS) derived variable. The derivation is the same as that of PALS with the exception of the handling of item non-response. In PALS, item response (DK, R) is considered to be a negative response (set to "Never"), as opposed to a non-response. This is not consistent with the way 'DK' and 'R' are handled in the CCHS. Hence, in this variable 'DK' and 'R' are considered non-response and it is set to not stated.

Value of RACBDPAL	Condition(s)	Explanation
NS	(RACB_2A = DK, R, NS) or (RACB_2B1 = DK, R, NS) or (RACB_2B2 = DK, R, NS) or (RACB_2C = DK, R, NS) or RACB_1 = DK, R, NS	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

2	RACB_2A = 2 or RACB_2B1 = 2 or RACB_2B2 = 2 or RACB_2C = 2 or RACB_1 = 2	Often
1	RACB_2A = 1 or RACB_2B1 = 1 or RACB_2B2 = 1 or RACB_2C = 1 or RACB_1 = 1	Sometimes
3	RACB_2A = 3 and (RACB_2B1 = 3, 4) and (RACB_2B2 = 3, 4) and RACB_2C = 3 and RACB_1 = 3	Never

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

**Variable name:** RACBF6R

**Based on:** RACB\_6A, RACB\_6B1, RACB\_6C, RACB\_6D, RACB\_6E, RACB\_6F, RACB\_6G

**Previous Usage:** None

**Description:** Activity dependence refers to the need for help (for 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:** RACBF6R is modified from RACAF6 (CCHS Cycle 1.1) by adding RACB\_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 making the DV not strictly comparable to RACAF6.

Value of RACBF6R	Condition(s)	Explanation
1	RACB_6A = 1 or RACB_6B1 = 1 or RACB_6C = 1 or RACB_6D = 1 or RACB_6E = 1 or RACB_6F = 1 or RACB_6G = 1	Needs help with at least one task.
2	RACB_6A = 2 and RACB_6B1 = 2 and RACB_6C = 2 and RACB_6D = 2 and RACB_6E = 2 and RACB_6F = 2 and RACB_6G = 2	Does not need help.
NS	(RACB_6A = DK, R, NS) or (RACB_6B1 = DK, R, NS) or (RACB_6C = DK, R, NS) or (RACB_6D = DK, R, NS) or (RACB_6E = DK, R, NS) or (RACB_6F = DK, R, NS) or (RACB_6G = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

#### 4) Difficulty With Social Situations

**Variable name:** RACBF7

**Based on:** RACB\_7A, RACB\_7B, RACB\_7C

**Previous Usage:** None

**Description:** This variable deals with having difficulty (for health reasons) with situations like making and maintaining friends, dealing with people you don't know well and starting or maintaining conversations.

Value of RACBF7	Condition(s)	Explanation
1	RACB_7A = 1 or RACB_7B = 1 or RACB_7C = 1	Has difficulty with at least one social situation.
2	RACB_7A = 2 and RACB_7B = 2 and RACB_7C = 2	Does not have difficulty with social situation.
NS	(RACB_7A = DK, R, NS) or (RACB_7B = DK, R, NS) or (RACB_7C = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## Two-Week Disability (5 DVs)

### Temporary Reformats

Reformat	Explanation
If TWDB_2 = NA then TWDB_2 = 0	Reset NA values of TWDB_2 to 0.
If TWDB_4 = NA then TWDB_4 = 0	Reset NA values of TWDB_4 to 0.

### 1) Total Number of Disability Days

**Variable name:** TWDBDDDDY

**Based on:** TWDB\_2, TWDB\_4

**Previous Usage:**

CCHS Cycle 1.1: TWDADDDY

NPBS Cycle 3: TWC8DDDDY

NPBS Cycle 2: TWC6DDDDY

NPBS Cycle 1: TWC4DDDDY

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

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

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

Value of TWDBDDDDY	Condition(s)	Explanation
NS	(TWDB_2 = DK, R, NS) or (TWDB_4 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
TWDRQ2 + TWDRQ4 (min: 0; max: 14)	TWDRQ2 < 15 and TWDRQ4 < 15	The number of days in the last two weeks when the respondent stayed in bed or cut down on activities.

### 2) Total Number of Days Spent in Bed Due to Mental Health

**Variable name:** TWDBDMQ2

**Based on:** TWDB\_2, TWDB\_2A, TWDB\_2B

**Previous Usage:** None

**Description:** The number of days in the past two weeks when the respondent stayed in bed because of illness or injury due to emotional or mental health or use of alcohol or drugs.

Value of TWDBDMQ2	Condition(s)	Explanation
TWDB_2 (min: 0; max: 1)	TWDB_2A = 1	Number of bed-days due to emotional or mental health.
0	TWDB_2A = 2	No bed-days due to emotional or mental health.
TWDB_2B (min: 0; max: 14)	TWDB_2B < 15	Number of bed-days due to emotional or mental health.
0	TWDB_2 = NA	No bed-days due to emotional or mental health.
NS	(TWDB_2A = DK, R, NS) or (TWDB_2B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

### 3) Total Number of Days Cut Down on Activities Due to Mental Health

**Variable name:** TWDBDMQ4

**Based on:** TWDB\_4, TWDB\_4A, TWDB\_4B

**Previous Usage:** None

**Description:** The number of days in the past two weeks when the respondent cut down on things because of illness or injury due to emotional or mental health or use of alcohol or drugs.

Value of TWDBDMQ4	Condition(s)	Explanation
TWDB_4 (min: 0; max: 14)	TWDB_4A = 1	Number of cut-down days due to emotional or mental health.
0	TWDB_4A = 2	No cut-down days due to emotional or mental health.
TWDB_4B (min: 0; max: 14)	TWDB_4B < 15	Number of cut-down days due to emotional or mental health.
0	TWDB_4 = NA	No cut-down days due to emotional or mental health.
NS	(TWDB_4A = DK, R, NS) or (TWDB_4B = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.

### 4) Total Number of Days Requiring Extra Effort Due to Mental Health

**Variable name:** TWDBDMQ6

**Based on:** TWDB\_6, TWDB\_6A, TWDB\_6B

**Previous Usage:** None

**Description:** The number of days in the past two weeks when it took extra effort to perform at usual level because of illness or injury due to emotional or mental health or use of alcohol or drugs.

Value of TWDBDMQ6	Condition(s)	Explanation
TWDB_6 (min: 0; max: 1)	TWDB_6A = 1	Number of extra-effort days due to emotional or mental health.
0	TWDB_6A = 2	No extra-effort days due to emotional or mental health.
TWDB_6B (min: 0; max: 14)	TWDB_6B < 15	Number of extra-effort days due to emotional or mental health.
0	TWDB_6 = NA	No extra-effort days due to emotional or mental health.
NS	(TWDB_6A = DK, R, NS) or (TWDB_6B = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.

## 5) Total Number of Disability Days Due to Mental Health

**Variable name:** TWDBDMH

**Based on:** TWDBDMQ2, TWDBDMQ4

**Previous Usage:** None

**Description:** The number of days in the past two weeks when the respondent stayed in bed or cut down on activities because of illness or injury due to emotional or mental health or use of alcohol or drugs.

Value of TWDBDMH	Condition(s)	Explanation
NS	TWDBDMQ2 = NS or TWDBDMQ4 = NS	Respondent has a non-response (not stated) value in a derived variable required for calculation.
TWDBDMQ2 + TWDBDMQ4 (min: 0; max: 14)	TWDBDMQ2 < 15 and TWDBDMQ4 < 15	Total two-week disability days due to emotional or mental health.

## Health Care Utilization –Services (11 DVs)

The variables for service use refer to use of services for problems with emotions, mental health, or use of alcohol and drugs. Services assessed include hospitalization, consultation with any professional, and use of any resources including hospitalization, professional consultation, or various informal resources. The types of resources used both in the lifetime and in the past 12 months are noted.

Respondents were asked whether they felt they needed help for their emotions, mental health or use of alcohol or drugs, but did not receive it during the 12 months prior to the interview.

The reasons for having unmet needs can be defined by three categories:

1. Availability of services (e.g.: waiting times)
2. accessibility of services (e.g.: cost or transportation problems)
3. acceptability of services (e.g.: personal circumstances such as attitudes towards the health care system or providers that prevented them from obtaining some form of health care.)

These categories were noted in Jiajian Chen and Feng Hou's article 'Unmet Needs for Health Care' in Health Reports, Vol. 13, No 2, January 2002.

### 1) Flag Indicating Lifetime Overnight Hospitalization for Problems with Emotions, Mental Health or Use of Alcohol and Drugs

**Variable name:** SERBFLHO

**Based on:** SERB\_02, DEPB\_C5, DEPB\_ABA, DEPB\_DBA, DEPB\_87, MIAB\_48, PADB\_65, SOPB\_39, AGPB\_38

**Previous Usage:** None

**Description:** This variable identifies whether the respondent was ever hospitalized overnight or longer in any type of health care facility for problems with emotions, mental health or use of alcohol or drugs.

Value of SERBFLHO	Condition(s)	Explanation
1	SERB_02 = 1 or DEPB_C5 = 1 or DEPB_ABA = 1 or DEPB_DBA = 1 or DEPB_87 = 1 or MIAB_48 = 1 or PADB_65 = 1 or SOPB_39 = 1 or AGPB_38 = 1	Respondent has been hospitalized overnight or longer for problems with their emotions, mental health, or use of alcohol or drugs.
2	SERB_02 = 2	Respondent has never been hospitalized overnight for problems with their emotions, mental health, or use of alcohol or drugs.
NS	(SERB_02 = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) the question required for calculation.



## 2) Total Days Spent in Hospital for Problems with Emotions, Mental Health or Use of Alcohol and Drugs

**Variable Name:** SERBDHDY

**Based on:** SERB\_05A, SERB\_05C, SERB\_05D, SERB\_05E, SERB\_05F, SERB\_05G, SERB\_07, SERB\_07A, SERB\_07B, SERB\_07C, SERB\_07D, SERBT5DY, SERBT7DY

**Previous Use:** None

**Description:** This variable identifies the total duration of hospitalization overnight or longer in any type of health care facility for problems with emotions, mental health or use of alcohol or drugs. It is the total number of days hospitalized for problems with emotions, mental health or use of alcohol or drugs during lifetime.

### 2a) Temporary Variable - Respondents with one lifetime hospitalization

**Variable Name:** SERBT5DY

**Based on:** SERB\_05A, SERB\_05C, SERB\_05D, SERB\_05E, SERB\_05F, SERB\_05G

Value of SERBT5DY	Condition(s)	Explanation
NA	SERB_05A = NA	Respondent had no hospitalizations or more than one hospitalization.
NS	(SERB_05C = DK, R, NS) or (SERB_05D = DK, R, NS) or (SERB_05E = DK, R, NS) or (SERB_05F = DK, R, NS) or (SERB_05G = DK, R, NS)	Respondent did not answer (don't know, refuse, not stated) at least one question required for calculation.
Value in SERB_05D	SERB_05C = 1	Total days spent in hospital for problems with mental health: respondents with one lifetime hospitalization.  Number of days = number of days reported
Value in SERB_05E * 7	SERB_05C = 2	Total days spent in hospital for problems with mental health: respondents with one lifetime hospitalization.  Number of days = number of weeks * 7
Value in SERB_05F * 30	SERB_05C = 3	Total days spent in hospital for problems with mental health: respondents with one lifetime hospitalization.  Number of days = number of months * 30
Value in SERB_05G * 365	SERB_05C = 4	Total days spent in hospital for problems with mental health: respondents with one lifetime hospitalization.  Number of days = number of years * 365

**2b) Temporary Variable - Respondents with more than one lifetime hospitalization****Variable Name:** SERBT7DY**Based on:** SERB\_07, SERB\_07A, SERB\_07B, SERB\_07C, SERB\_07D

Value of SERBT7DY	Condition(s)	Explanation
NA	SERB_07 = NA	Respondent was never hospitalized overnight or reported only one lifetime hospitalization.
NS	(SERB_07 = DK, R, NS) or (SERB_07A = DK, R, NS) or (SERB_07B = DK, R, NS) or (SERB_07C = DK, R, NS) or (SERB_07D = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.
Value in SERB_07A	SERB_07 = 1	Total days spent in hospital for problems with mental health: respondents with more than one lifetime hospitalization.  Number of days = number of days reported
Value in SERB_07B * 7	SERB_07 = 2	Total days spent in hospital for problems with mental health: respondents with more than one lifetime hospitalization  Number of days = number of weeks * 7
Value in SERB_07C * 30	SERB_07 = 3	Total days spent in hospital for problems with mental health: respondents with more than one lifetime hospitalization.  Number of days = number of months * 30
Value in SERB_07D * 365	SERB_07 = 4	Total days spent in hospital for problems with mental health: respondents with more than one lifetime hospitalization.  Number of days = number of years * 365

**Calculation of Total Days Spent in Hospital for Problems with Emotions, Mental Health or Use of Alcohol and Drugs:**

Value of SERBDHDY	Condition(s)	Explanation
NA	SERBT7DY = NA and SERBT5DY = NA	Respondent was not hospitalized for problems with emotions, mental health, alcohol or drugs.
NS	SERBT7DY = NS or SERBT5DY = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.
Value in SERBT7DY	$1 \leq \text{SERBT7DY} < \text{NA}$	Total number of days hospitalized overnight for problems related to emotions, mental health, alcohol or drugs (for respondents who had more than one lifetime hospitalization of this kind).
Value in SERBT5DY	$1 \leq \text{SERBT5DY} < \text{NA}$	Total number of days hospitalized overnight in lifetime for problems related to emotions, mental health, alcohol or drugs (for respondents who only had one lifetime hospitalization of this kind).

**3) Flag for Past 12-Month Overnight Hospitalization for Problems with Emotions, Mental Health or Use of Alcohol and Drugs**

**Variable name:** SERBFHYR

**Based on:** SERB\_05A, SERB\_08

**Previous Usage:** None

**Description:** This variable identifies whether the respondent was hospitalized overnight or longer in the past 12 months in any type of health care facility for problems with emotions, mental health or use of alcohol or drugs.

Value of SERBDHYR	Condition(s)	Explanation
NS	(SERB_05A = DK, R, NS) or (SERB_08 = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.
1	(SERB_05A = 1, 2, 3) or (SERB_08 = 1)	Respondent was hospitalized overnight or longer in the past 12 months.
2	SERB_05A = 4 or SERB_08 = 2 or (SERB_05A = NA and SERB_08 = NA)	Respondent was not hospitalized overnight or longer in the past 12 months.

#### 4) Flag Indicating Lifetime Consultations with (any) Professionals for Problems with Emotions, Mental Health or Use of Alcohol and Drugs

**Variable name:** SERBFLAP

**Based on:** SERB\_10I

**Previous Usage:** None

**Description:** This variable identifies whether the respondent had any lifetime consultations with any professionals for problems concerning emotions, mental health or use of alcohol or drugs

**Note:** This variable is similar to CCHS1.1 HCUAFHPC. The CCHS 1.1 variable is restricted to past 12 months, and refers to emotional or mental health; it excludes explicit mention of alcohol and drugs. The CCHS 1.1 questions also include several categories of health professionals. Other variables measuring health care utilization exist: CCHS 1.1: HCUAFHPC; NPHS Cycle 4: HCC0DHPC; NPHS Cycle 3: HCC8DHPC; NPHS Cycle 2: HCC6DHPC; NPHS Cycle 1: HCC4DHPC.

Value of SERBFLAP	Condition(s)	Explanation
1	SERB_10I = 2	Respondent consulted at least one professional in their lifetime about their emotions, mental health, or use of alcohol or drugs.
2	SERB_10I = 1	Respondent has never consulted a professional about their emotions, mental health, or use of alcohol or drugs.
NS	(SERB_10I = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) the question required for calculation.

#### 5) Flag Indicating Lifetime Use of any Resources for Problems Concerning Emotions, Mental Health or Use of Alcohol and Drugs

**Variable name:** SERBFLRU

**Based on:** SERB\_02, SERB\_10I, SERB\_AOA, SERB\_A1A, SERB\_A2A

**Previous Usage:** None

**Description:** This variable identifies whether the respondent ever used resources for problems concerning emotions, mental health or use of alcohol or drugs. Specifically, it assesses whether the respondent was ever hospitalized overnight or ever consulted a professional, used internet support group or chat room, went to a self-help group or used a telephone helpline during his lifetime.

Value of SERBFLRU	Condition(s)	Explanation
1	(SERB_02 = 1, NA) or SERB_10I = 2 or SERB_AOA = 1 or SERB_A1A = 1 or SERB_A2A = 1	Respondent used at least one resource for problems concerning emotions, mental health, or use of alcohol or drugs.
2	SERB_02 = 2 and SERB_10I = 1 and SERB_AOA = 2 and SERB_A1A = 2 and SERB_A2A = 2	Respondent has never used any resources for problems concerning emotions, mental health, or use of alcohol or drugs.
NS	(SERB_02 = DK, R, NS) or (SERB_10I = DK, R, NS) or (SERB_AOA = DK, R, NS) or (SERB_A1A = DK, R, NS) or (SERB_A2A = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.

## 6) Number of Lifetime Types of Resources Used for Problems Concerning Emotions, Mental Health or Use of Alcohol and Drugs

**Variable name:** SERBDRCT

**Based on:** SERB\_02, SERB\_10A, SERB\_10B, SERB\_10C, SERB\_10D, SERB\_10E, SERB\_10F, SERB\_10G, SERB\_10H, SERB\_AOA, SERB\_A1A, SERB\_A2A

**Previous Usage:** None

**Description:** This variable assesses the number of different types of resources used during lifetime for problems concerning emotions, mental health or use of alcohol or drugs.

### Temporary Reformat:

Value of Temporary Variables	Explanation
If SERB_02 = 2 then SERRQ002 = 0 If SERB_02 = NA then SERRQ002 = 1	Been hospitalized for problems with emotions, mental health or use of alcohol or drugs: Reformat No into 0 and NA into 1.
If SERB_10A = 2 then SERRQ010A = 0 If SERB_10B = 2 then SERRQ010B = 0 If SERB_10C = 2 then SERRQ010C = 0 If SERB_10D = 2 then SERRQ010D = 0 If SERB_10E = 2 then SERRQ010E = 0 If SERB_10F = 2 then SERRQ010F = 0 If SERB_10G = 2 then SERRQ010G = 0 If SERB_10H = 2 then SERRQ010H = 0	Consulted professional for problems with emotions, mental health or use of alcohol or drugs: Reformat No into 0.
If SERB_AOA = 2 then SERRQ100A = 0	Used internet support group or chat room for problems with emotions, mental health or use of alcohol or drugs: Reformat No into 0.
If SERB_A1A = 2 then SERRQ101A = 0	Used self-help group for help with emotions, mental health or use of alcohol or drugs: Reformat No into 0.
If SERB_A2A = 2 then SERRQ102A = 0	Used telephone helpline for problems with emotions, mental health or use of alcohol or drugs: Reformat No into 0.

Value of SERBDRCT	Condition(s)	Explanation
NS	(SERB_02 = DK, R, NS) or (SERB_10A = DK, R, NS) or (SERB_10B = DK, R, NS) or (SERB_10C = DK, R, NS) or (SERB_10D = DK, R, NS) or (SERB_10E = DK, R, NS) or (SERB_10F = DK, R, NS) or (SERB_10G = DK, R, NS) or (SERB_10H = DK, R, NS) or (SERB_A0A = DK, R, NS) or (SERB_A1A = DK, R, NS) or (SERB_A2A = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one of the questions required for calculation.
SERRQ002 + SERRQ010A + SERRQ010B + SERRQ010C + SERRQ010D + SERRQ010E + SERRQ010F + SERRQ010G + SERRQ010H + SERRQ100A + SERRQ101A + SERRQ102A  (min: 0; max: 12)	(SERRQ002 = 0, 1) and (SERRQ010A = 0, 1) and (SERRQ010B = 0, 1) and (SERRQ010C = 0, 1) and (SERRQ010D = 0, 1) and (SERRQ010E = 0, 1) and (SERRQ010F = 0, 1) and (SERRQ010G = 0, 1) and (SERRQ010H = 0, 1) and (SERRQ100A = 0, 1) and (SERRQ101A = 0, 1) and (SERRQ102A = 0, 1)	Number of lifetime resources used for problems concerning emotions, mental health, or use of alcohol or drugs.

## 7) Flag Indicating past 12-Month Utilization of any Resources for Problems Concerning Emotions, Mental Health or Use of Alcohol and Drugs

**Variable Name:** SERBFYRU

**Based on:** SERB\_05A, SERB\_08, SERB\_21, SERB\_31, SERB\_41, SERB\_51, SERB\_61, SERB\_71, SERB\_81, SERB\_91, SERB\_A0B, SERB\_A1C, SERB\_A2C

**Previous Usage:** None

**Description:** This variable identifies whether the respondent used resources for problems concerning emotions, mental health or use of alcohol or drugs in the 12 months prior to the interview. Specifically, it assesses whether the respondent was ever hospitalized overnight or ever consulted a professional, used internet support group or chat room, went to a self-help group or used a telephone helpline in the 12 months prior to the interview.

Value of SERBFYRU	Condition(s)	Explanation
1	1 <= SERB_05A <= 3 or SERB_08 = 1 or 1 <= SERB_21 <= 3 or 1 <= SERB_31 <= 3 or 1 <= SERB_41 <= 5 or 1 <= SERB_51 <= 3 or 1 <= SERB_61 <= 3 or 1 <= SERB_71 <= 3 or 1 <= SERB_81 <= 3 or 1 <= SERB_91 <= 13 or 1 <= SERB_A0B <= 3 or 1 <= SERB_A1C <= 3 or 1 <= SERB_A2C <= 3	Respondent used at least one resource during past 12 months concerning emotions, mental health, or use of alcohol or drugs.
2	(SERB_05A = 4, NA) and (SERB_08 = 2, NA) and (SERB_21 = 4, NA) and	Respondent has not used any resources in past 12 months for problems concerning emotions,

	(SERB_31 = 4, NA) and (SERB_41 = 6, NA) and (SERB_51 = 4, NA) and (SERB_61 = 4, NA) and (SERB_71 = 4, NA) and (SERB_81 = 4, NA) and (SERB_91 = 14, NA) and (SERB_AOB = 4, NA) and (SERB_A1C = 4, NA) and (SERB_A2C = 4, NA)	mental health, or use of alcohol or drugs.
NS	(SERB_05A = DK, R, NS) or (SERB_08 = DK, R, NS) or (SERB_21 = DK, R, NS) or (SERB_31 = DK, R, NS) or (SERB_41 = DK, R, NS) or (SERB_51 = DK, R, NS) or (SERB_61 = DK, R, NS) or (SERB_71 = DK, R, NS) or (SERB_81 = DK, R, NS) or (SERB_91 = DK, R, NS) or (SERB_AOB = DK, R, NS) or (SERB_A1C = DK, R, NS) or (SERB_A2C = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one of the questions required for calculation.

## 8) Number of Types of Resources Utilized in Past 12 Months for Problems Concerning Emotions, Mental Health or Use of Alcohol and Drugs

**Variable Name:** SERBDYCT

**Based on:** SERB\_05A, SERB\_08, SERB\_21, SERB\_31, SERB\_41, SERB\_51, SERB\_61, SERB\_71, SERB\_81, SERB\_91, SERB\_AOB, SERB\_A1C, SERB\_A2C

**Previous Usage:** None

**Description:** Count of past 12-month usage of resources concerning emotions, mental health or use of alcohol or drugs.

### Temporary Reformat:

Reformat	Explanation
If (SERB_05A = 4, NA) then SERRQ005A = 0 If 1 <= SERB_05A <= 3 then SERRQ005A = 1 If (SERB_08 = 2, NA) then SERRQ008 = 0	Recode 4 ("more than a year ago") and NA to 0 (No). Recode 1, 2, 3 ("during the past month" to "between 7-12 months ago") to 1 (Yes). Recode 2, NA to 0 (No).
If (SERB_21 = 4, NA) then SERRQ021 = 0 If 1 <= SERB_21 <= 3 then SERRQ021 = 1  If (SERB_31 = 4, NA) then SERRQ031 = 0 If 1 <= SERB_31 <= 3 then SERRQ031 = 1  If (SERB_41 = 6, NA) then SERRQ041 = 0 If 1 <= SERB_41 <= 5 then SERRQ041 = 1  If (SERB_51 = 4, NA) then SERRQ051 = 0 If 1 <= SERB_51 <= 3 then SERRQ051 = 1  If (SERB_61 = 4, NA) then SERRQ061 = 0 If 1 <= SERB_61 <= 3 then SERRQ061 = 1  If (SERB_71 = 4, NA) then SERRQ071 = 0	Recode 4 ("more than a year ago") and NA to 0 (No). Recode 1, 2, 3 ("during the past month" to "between 7-12 months ago") to 1 (Yes).  Recode 6 ("None" more than a year ago) and NA to 0 (No). Recode 1 to 5 (reported medical doctor consulted in past 12 months) to 1 (yes).

If 1 <= SERB_71 <= 3 then SERRQ071 = 1	
If (SERB_81 = 4, NA) then SERRQ081 = 0 If 1 <= SERB_81 <= 3 then SERRQ081 = 1	
If (SERB_91 = 14, NA) then SERRQ091 = 0 If 1 <= SERB_91 <= 13 then SERRQ091 = 1	Reformat 14 ("none") and NA to 0 (No). Reformat 1 to 13 to 1 (Yes).
If (SERB_AOB = 4, NA) then SERRQ100B = 0 If 1 <= SERB_AOB <= 3 then SERRQ100B = 1	Recode 4 ("more than a year ago") and NA to 0 (No). Recode 1, 2, 3 ("during the past month" to "between 7-12 months ago") to 1 (Yes).
If (SERB_A1C = 4, NA) then SERRQ101C = 0 If 1 <= SERB_A1C <= 3 then SERRQ101C = 1	Recode 4 ("more than a year ago") and NA to 0 (No). Recode 1, 2, 3 ("during the past month" to "between 7-12 months ago") to 1 (Yes).
If (SERB_A2C = 4, NA) then SERRQ102C = 0 If 1 <= SERB_A2C <= 3 then SERRQ102C = 1	Recode 4 ("more than a year ago") and NA to 0 (No). Recode 1, 2, 3 ("during the past month" to "between 7-12 months ago") to 1 (Yes).

Value of SERBDYCT	Condition(s)	Explanation
NS	(SERB_05A = DK, R, NS) or (SERB_08 = DK, R, NS) or (SERB_21 = DK, R, NS) or (SERB_31 = DK, R, NS) or (SERB_41 = DK, R, NS) or (SERB_51 = DK, R, NS) or (SERB_61 = DK, R, NS) or (SERB_71 = DK, R, NS) or (SERB_81 = DK, R, NS) or (SERB_91 = DK, R, NS) or (SERB_AOB = DK, R, NS) or (SERB_A1C = DK, R, NS) or (SERB_A2C = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one of the questions required for calculation.
SERRQ005A + SERRQ008 + SERRQ021 + SERRQ031 + SERRQ041 + SERRQ051 + SERRQ061 + SERRQ071 + SERRQ081 + SERRQ091 + SERRQ100B + SERRQ101C + SERRQ102C  (min: 0; max: 12)	(SERRQ005A = 0, 1) and (SERRQ008 = 0, 1) and (SERRQ021 = 0, 1) and (SERRQ031 = 0, 1) and (SERRQ041 = 0, 1) and (SERRQ051 = 0, 1) and (SERRQ061 = 0, 1) and (SERRQ071 = 0, 1) and (SERRQ081 = 0, 1) and (SERRQ091 = 0, 1) and (SERRQ100B = 0, 1) and (SERRQ101C = 0, 1) and (SERRQ102C = 0, 1)	Number of resources used in past 12 months for problems concerning emotions, mental health, or use of alcohol or drugs.



## 9) Flag Indicating Barriers to Mental Health Care Services Due to Accessibility Issues

**Variable name:** SERBFACS

**Based on:** SERB\_A5A, SERB\_A5E, SERB\_A5F, SERB\_A3

**Previous Usage:** None

**Description:** This flag indicates whether a respondent reported a perceived unmet mental health care need due to accessibility. The reasons for respondents not being able to access health care services for their emotions, mental health or use of alcohol or drugs were the cost, lack of transportation or issues such as childcare or scheduling.

Value of SERBFACS	Condition(s)	Explanation
NS	SERB_A5A = (DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
1	SERB_A5E = 1 or SERB_A5F = 1	Respondent reported barriers related to accessing mental health care services.
2	(SERB_A5E = 2 and SERB_A5F = 2) or SERB_A3 = 2	Respondent did not report barriers related to accessing mental health care services.

## 10) Flag Indicating Barriers to Mental Health Care Services Due to Acceptability Issues

**Variable name:** SERBFACP

**Based on:** SERB\_A5A, SERB\_A5B, SERB\_A5C, SERB\_A5D, SERB\_A5J, SERB\_A5K, SERB\_A5L, SERB\_A3

**Previous Usage:** None

**Description:** Flag indicating whether respondent reported a perceived unmet mental health care need due to acceptability. Acceptability issues are those where individuals chose to do without mental health care either because of competing demands on their time or because of their attitude towards illness, health care providers or the health care system. Examples are deciding not to bother, not getting around to it, preferred to manage it themselves, didn't think it could help, afraid to ask or language problems.

Value of SERBFACP	Condition(s)	Explanation
NS	(SERB_A5A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
1	SERB_A5A = 1 or SERB_A5B = 1 or SERB_A5C = 1 or SERB_A5D = 1 or SERB_A5J = 1 or SERB_A5K = 1 or SERB_A5L = 1	The respondent reported barriers related to problems of acceptability of mental health care services.
2	(SERB_A5A = 2 and SERB_A5B = 2 and SERB_A5C = 2 and SERB_A5D = 2 and SERB_A5J = 2 and SERB_A5K = 2 and SERB_A5L = 2) or SERB_A3 = 2	The respondent did not report barriers related to reasons of acceptability of mental health care services.

## 11) Flag Indicating Barriers to Mental Health Care Services Due to Availability Issues

**Variable name:** SERBFAVA

**Based on:** SERB\_A5A, SERB\_A5G, SERB\_A5H, SERB\_A5I, SERB\_A3

**Previous Usage:** None

**Description:** Flag indicating whether respondent who reported a perceived unmet mental health care need had problems obtaining mental health care services because of the unavailability of services. Examples of availability problems include waiting too long, help not available in area or at the time required.

Value of SERBFAVA	Condition(s)	Explanation
NS	(SERB_A5A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
1	SERB_A5G = 1 or SERB_A5H = 1 or SERB_A5I = 1	Respondent reported barriers obtaining mental health care services due to problems of availability.
2	(SERB_A5G = 2 and SERB_A5H = 2 and SERB_A5I = 2) or SERB_A3 = 2	Respondent did not report barriers obtaining mental health care services due to problems of availability.

## Social Support (4 DVs)

The Medical Outcomes Study (MOS) Social Support Survey provides indicators of four categories of Social Support. An initial pool of 50 items was reduced to 19 functional support items that were hypothesized to cover five dimensions:

Emotional support –the expression of positive affect, empathetic understanding, and the encouragement of expressions of feelings.

- Informational support –the offering of advice, information, guidance or feedback.
- Tangible support –the provision of material aid or behavioural assistance.
- Positive social interaction –the availability of other persons to do fun things with you.
- Affection –involving expressions of love and affection
- 
- Empirical analyses indicated that emotional and informational support items should be scored together.
- 
- Source: Sherbourne, C.D. and A.L. Stewart, "The MOS Support Survey" (Medical Outcomes Study Social Support Survey), Social Sciences & Medicine; 32: 705 - 714
- 
- 

### Temporary Reformats

Reformat	Explanation
If SSMB_02 <= 5 then SSMB_02 = (SSMB_02 - 1) If SSMB_03 <= 5 then SSMB_03 = (SSMB_03 - 1) If SSMB_04 <= 5 then SSMB_04 = (SSMB_04 - 1) If SSMB_05 <= 5 then SSMB_05 = (SSMB_05 - 1) If SSMB_06 <= 5 then SSMB_06 = (SSMB_06 - 1) If SSMB_07 <= 5 then SSMB_07 = (SSMB_07 - 1) If SSMB_08 <= 5 then SSMB_08 = (SSMB_08 - 1) If SSMB_09 <= 5 then SSMB_09 = (SSMB_09 - 1) If SSMB_10 <= 5 then SSMB_10 = (SSMB_10 - 1) If SSMB_11 <= 5 then SSMB_11 = (SSMB_11 - 1) If SSMB_12 <= 5 then SSMB_12 = (SSMB_12 - 1) If SSMB_13 <= 5 then SSMB_13 = (SSMB_13 - 1) If SSMB_14 <= 5 then SSMB_14 = (SSMB_14 - 1) If SSMB_15 <= 5 then SSMB_15 = (SSMB_15 - 1) If SSMB_16 <= 5 then SSMB_16 = (SSMB_16 - 1) If SSMB_17 <= 5 then SSMB_17 = (SSMB_17 - 1) If SSMB_18 <= 5 then SSMB_18 = (SSMB_18 - 1) If SSMB_19 <= 5 then SSMB_19 = (SSMB_19 - 1) If SSMB_20 <= 5 then SSMB_20 = (SSMB_20 - 1)	Rescale the answers from 1 to 5 to 0 to 4 for all questions with valid response categories.  Where 0 refers to "none of the time" and a 4 refers to "all of the time".

## 1) Tangible Social Support – MOS Subscale

**Variable name:** SSMBDTNG

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

**Previous usage:**

CCHS Cycle 1.1: SSMA DTNG

NPHS Cycle 4: SSC0DTNG

NPHS Cycle 3: SSC8DTNG

**Description:** This variable summarizes the tangible support that is available to the respondent. Questions about whether or not the respondent had someone to help if confined to bed, someone to take him/her to the doctor, someone to prepare meals or someone to do daily chores are included.

Value of SSMBDTNG	Condition(s)	Explanation
NS	(SSMB_02 = DK, R, NS) or (SSMB_05 = DK, R, NS) or (SSMB_12 = DK, R, NS) or (SSMB_15 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
SSMB_02 + SSMB_05 + SSMB_12 + SSMB_15  (min: 0; max: 16)	0 <= SSMB_02 <= 4 and 0 <= SSMB_05 <= 4 and 0 <= SSMB_12 <= 4 and 0 <= SSMB_15 <= 4	Amount of tangible support.

## 2) Affection – MOS Subscale

**Variable name:** SSMBDAFF

**Based on:** SSMB\_06, SSMB\_10, SSMB\_20

**Previous usage:**

CCHS Cycle 1.1: SSMA DAFF

NPHS Cycle 4: SSC0DAFF

NPHS Cycle 3: SSC8DAFF

**Description:** This variable summarizes whether or not the respondent receives any affection. Questions about whether or not the respondent has someone that shows him/her love, someone to hug or someone to love and someone to make him/her feel wanted are included.

Value of SSMBDAFF	Condition(s)	Explanation
NS	(SSMB_06 = DK, R, NS) or (SSMB_10 = DK, R, NS) or (SSMB_20 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
SSMB_06 + SSMB_10 + SSMB_20  (min: 0; max: 12)	0 <= SSMB_06 <= 4 and 0 <= SSMB_10 <= 4 and 0 <= SSMB_20 <= 4	Amount of affection support.

### 3) Positive Social Interaction – MOS Subscale

**Variable name:** SSMBDSOC

**Based on:** SSMB\_07, SSMB\_11, SSMB\_14, SSMB\_18

**Previous usage:**

CCHS Cycle 1.1: SSMAFSOC

NPHS Cycle 4: SSC0DSOC

NPHS Cycle 3: SSC8DSOC

**Description:** This variable summarizes if the respondent is involved in positive social interaction. Questions about whether the respondent has someone to have a good time with, get together with for relaxation, do things with to get his/her mind off things, or someone to do something enjoyable with are included.

Value of SSMBDSOC	Condition(s)	Explanation
NS	(SSMB_07 = DK, R, NS) or (SSMB_11 = DK, R, NS) or (SSMB_14 = DK, R, NS) or (SSMB_18 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
SSMB_07 + SSMB_11 + SSMB_14 + SSMB_18  (min: 0; max: 16)	0 <= SSMB_07 <= 4 and 0 <= SSMB_11 <= 4 and 0 <= SSMB_14 <= 4 and 0 <= SSMB_18 <= 4	Amount of positive social interaction.

### 4) Emotional or Informational Support – MOS Subscale

**Variable name:** SSMBDEMO

**Based on:** SSMB\_03, SSMB\_04, SSMB\_08, SSMB\_09, SSMB\_13, SSMB\_16, SSMB\_17, SSMB\_19

**Previous usage:**

CCHS Cycle 1.1: SSMADEMO

NPHS Cycle 4: SSC0DEMO

NPHS Cycle 3: SSC8DEMO

**Description:** This variable summarizes if the respondent receives emotional or informational support. Questions about whether the respondent has someone to listen and advise in a crisis, someone to give information and confide in and talk to, or someone to understand problems are included.

Value of SSMBDEMO	Condition(s)	Explanation
NS	(SSMB_03 = DK, R, NS) or (SSMB_04 = DK, R, NS) or (SSMB_08 = DK, R, NS) or (SSMB_09 = DK, R, NS) or (SSMB_13 = DK, R, NS) or (SSMB_16 = DK, R, NS) or (SSMB_17 = DK, R, NS) or (SSMB_19 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
SSMB_03 + SSMB_04 + SSMB_08 + SSMB_09 + SSMB_13 + SSMB_16 + SSMB_17 + SSMB_19  (min: 0; max: 32)	0 <= SSMB_03 <= 4 and 0 <= SSMB_04 <= 4 and 0 <= SSMB_08 <= 4 and 0 <= SSMB_09 <= 4 and 0 <= SSMB_13 <= 4 and 0 <= SSMB_16 <= 4 and 0 <= SSMB_17 <= 4 and 0 <= SSMB_19 <= 4	Higher values indicate more emotional or informational support.

## Socio-Demographic Characteristics (7 DVs)

### 1) Country of Birth Code

**Variable name:** SDCBCCB

**Based on:** SDCB\_1

**Previous Usage:**

CCHS Cycle 1.1: SDCACCB

NPHS Cycle 3: SDC8CB

NPHS Cycle 2: SDC6CB

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

**Technical Specifications:** Coded automatically from SDCB\_1 and "other specify" write-in answer using Reference file from the Census.

### 2) Country of Birth – Grouped

**Variable name:** SDCBGCB

**Based on:** SDCBCCB

**Previous Usage:**

CCHS Cycle 1.1: SDCAGCB

NPHS Cycle 3: SDC8GCB

NPHS Cycle 2: SDC6GCB

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

Value of SDCBGCB	Condition(s)	Explanation
NS	(SDCBCCB = 000, DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
1	$0 < \text{SDCBCCB} < 14$	Canada
2	$100 \leq \text{SDCBCCB} < 200$ or $\text{SDCBCCB} = 206$	Other North America
3	$200 < \text{SDCBCCB} < 206$ or $206 < \text{SDCBCCB} < 500$	South, Central America and Caribbean
4	$500 \leq \text{SDCBCCB} < 600$	Europe
5	$600 \leq \text{SDCBCCB} < 700$	Africa
6	$700 \leq \text{SDCBCCB} < 800$	Asia
7	$800 \leq \text{SDCBCCB} < 900$	Oceania

### 3) Age at Time of Immigration

**Variable name:** SDCBDAIM

**Based on:** SDCB\_3, DHHB\_YOB

**Previous Usage:**

CCHS Cycle 1.1: SDCADAIM

NPHS Cycle 3: SDC8DAIM

NPHS Cycle 2: SDC6DAIM

NPHS Cycle 1: SDC4DAIM

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

**Source:** General Social Survey – Health, cycle 6 (1991)

**Statistics Canada Web Site:** [www.statcan.ca/english/sdds/3894.htm](http://www.statcan.ca/english/sdds/3894.htm)

Value of SDCBDAIM	Condition(s)	Explanation
NA	SDCB_3 = NA	Respondent is not an immigrant.
NS	(SDCB_3 = DK, R, NS)	Respondent didn't answer (don't know, refusal, not stated) the question required for calculation.
SDCB_3 - DHHB_YOB (min: 0; max: current age)	SDCB_3 < NA	Respondent is an immigrant.

### 4) Immigration Flag

**Variable name:** SDCBFIMM

**Based on:** SDCB\_3

**Previous Usage:**

CCHS Cycle 1.1: SDCAFIMM

NPHS Cycle 3: SDC8FIMM

NPHS Cycle 2: SDC6FIMM

NPHS Cycle 1: SDC4FIMM

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

Value of SDCBFIMM	Condition(s)	Explanation
2	SDCB_3 = NA	Respondent is not an immigrant.
1	SDCB_3 < NA	Respondent is an immigrant.
NS	(SDCB_3 = DK, R, NS)	Respondent didn't answer (don't know, refusal, not stated) the question required for calculation.

## 5) Length of Time in Canada Since Immigration

**Variable name:** SDCBDRES

**Based on:** SDCB\_3

**Previous Usage:**

CCHS Cycle 1.1: SDCADRES

NPHS Cycle 4: SDC0DRES

NPHS Cycle 3: SDC8DRES

NPHS Cycle 2: SDC6DRES

NPHS Cycle 1: SDC4DRES

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

Value of SDCBDRES	Condition(s)	Explanation
NA	SDCB_3 = NA	Respondent is not an immigrant.
NS	(SDCB_3 = DK, R, NS)	Respondent didn't answer (don't know, refusal, not stated) the question required for calculation.
Year of Interview - SDCB_3 (min: 0; max: current age)	SDCB_3 < NA	Respondent is an immigrant.

## 6) Language(s) in Which Respondent Can Converse

**Variable name:** SDCBDLNG

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

**Previous Usage:**

CCHS Cycle 1.1: SDCADLNG

NPHS Cycle 4: SDC0DLNG

NPHS Cycle 3: SDC8DLNG

NPHS Cycle 2: SDC6DLNG

NPHS Cycle 1: SDC4DLNG

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

Value of SDCBDLNG	Condition(s)	Explanation
NS	(SDCB_5A =DK, R, NS)	Respondent didn't answer (don't know, refusal, not stated) the question required for calculation.
1	SDCB_5A = 1 and SDCB_5B > 1 and SDCB_5C > 1 and SDCB_5D >1 and SDCB_5E > 1 and SDCB_5F > 1 and SDCB_5G > 1 and SDCB_5H > 1 and SDCB_5I > 1 and SDCB_5J > 1 and SDCB_5K > 1 and SDCB_5L > 1 and SDCB_5M > 1 and SDCB_5N > 1 and SDCB_5O > 1 and	English only



	SDCB_5P > 1 and SDCB_5Q > 1 and SDCB_5R > 1 and SDCB_5S > 1 and SDCB_5T > 1 and SDCB_5U > 1 and SDCB_5V > 1 and SDCB_5W > 1	
2	SDCB_5A > 1 and SDCB_5B = 1 and SDCB_5C > 1 and SDCB_5D > 1 and SDCB_5E > 1 and SDCB_5F > 1 and SDCB_5G > 1 and SDCB_5H > 1 and SDCB_5I > 1 and SDCB_5J > 1 and SDCB_5K > 1 and SDCB_5L > 1 and SDCB_5M > 1 and SDCB_5N > 1 and SDCB_5O > 1 and SDCB_5P > 1 and SDCB_5Q > 1 and SDCB_5R > 1 and SDCB_5S > 1 and SDCB_5T > 1 and SDCB_5U > 1 and SDCB_5V > 1 and SDCB_5W > 1	French only
3	SDCB_5A = 1 and SDCB_5B = 1 and SDCB_5C > 1 and SDCB_5D > 1 and SDCB_5E > 1 and SDCB_5F > 1 and SDCB_5G > 1 and SDCB_5H > 1 and SDCB_5I > 1 and SDCB_5J > 1 and SDCB_5K > 1 and SDCB_5L > 1 and SDCB_5M > 1 and SDCB_5N > 1 and SDCB_5O > 1 and SDCB_5P > 1 and SDCB_5Q > 1 and SDCB_5R > 1 and SDCB_5S > 1 and SDCB_5T > 1 and SDCB_5U > 1 and SDCB_5V > 1 and SDCB_5W > 1	English & French only
4	(SDCB_5A = 1 and SDCB_5B = 1) and (SDCB_5C = 1 or	English & French & Other

	SDCB_5D = 1 or SDCB_5E = 1 or SDCB_5F = 1 or SDCB_5G = 1 or SDCB_5H = 1 or SDCB_5I = 1 or SDCB_5J = 1 or SDCB_5K = 1 or SDCB_5L = 1 or SDCB_5M = 1 or SDCB_5N = 1 or SDCB_5O = 1 or SDCB_5P = 1 or SDCB_5Q = 1 or SDCB_5R = 1 or SDCB_5S = 1 or SDCB_5T = 1 or SDCB_5U = 1 or SDCB_5V = 1 or SDCB_5W = 1)	
5	(SDCB_5A = 1 and SDCB_5B > 1) and (SDCB_5C = 1 or SDCB_5D = 1 or SDCB_5E = 1 or SDCB_5F = 1 or SDCB_5G = 1 or SDCB_5H = 1 or SDCB_5I = 1 or SDCB_5J = 1 or SDCB_5K = 1 or SDCB_5L = 1 or SDCB_5M = 1 or SDCB_5N = 1 or SDCB_5O = 1 or SDCB_5P = 1 or SDCB_5Q = 1 or SDCB_5R = 1 or SDCB_5S = 1 or SDCB_5T = 1 or SDCB_5U = 1 or SDCB_5V = 1 or SDCB_5W = 1)	English & Other (not French)
6	(SDCB_5A > 1 and SDCB_5B = 1) and (SDCB_5C = 1 or SDCB_5D = 1 or SDCB_5E = 1 or SDCB_5F = 1 or SDCB_5G = 1 or SDCB_5H = 1 or SDCB_5I = 1 or SDCB_5J = 1 or SDCB_5K = 1 or SDCB_5L = 1 or SDCB_5M = 1 or SDCB_5N = 1 or	French & Other (not English)

	SDCB_5O = 1 or SDCB_5P = 1 or SDCB_5Q = 1 or SDCB_5R = 1 or SDCB_5S = 1 or SDCB_5T = 1 or SDCB_5U = 1 or SDCB_5V = 1 or SDCB_5W = 1)	
7	(SDCB_5A > 1 and SDCB_5B > 1) and (SDCB_5C = 1 or SDCB_5D = 1 or SDCB_5E = 1 or SDCB_5F = 1 or SDCB_5G = 1 or SDCB_5H = 1 or SDCB_5I = 1 or SDCB_5J = 1 or SDCB_5K = 1 or SDCB_5L = 1 or SDCB_5M = 1 or SDCB_5N = 1 or SDCB_5O = 1 or SDCB_5P = 1 or SDCB_5Q = 1 or SDCB_5R = 1 or SDCB_5S = 1 or SDCB_5T = 1 or SDCB_5U = 1 or SDCB_5V = 1 or SDCB_5W = 1)	Neither English nor French (Other)

## 7) Cultural/Racial Origin

**Variable name:** SDCBDRAC

**Based on:** SDCB\_7A, SDCB\_7B, SDCB\_7C, SDCB\_7D, SDCB\_7E, SDCB\_7F, SDCB\_7G, SDCB\_7H, SDCB\_7I, SDCB\_7J, SDCB\_7K, SDCB\_7L, SDCB\_7M

**Previous Usage:**

CCHS Cycle 1.1: SDCADRAC

NPHS Cycle 4: SDC0DRAC

NPHS Cycle 3: SDC8DRAC

NPHS Cycle 2: SDC6DRAC

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

Value of SDCBDRAC	Condition(s)	Explanation
NS	(SDCB_7A = DK, R, NS)	Respondent didn't answer (don't know, refusal, not stated) the question required for calculation.
1	SDCB_7A = 1 and SDCB_7B > 1 and SDCB_7C > 1 and SDCB_7D > 1 and SDCB_7E > 1 and SDCB_7F > 1 and SDCB_7G > 1 and	White only

	SDCB_7H > 1 and SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L > 1 and SDCB_7M > 1	
2	SDCB_7A > 1 and SDCB_7B > 1 and SDCB_7C > 1 and SDCB_7D = 1 and SDCB_7E > 1 and SDCB_7F > 1 and SDCB_7G > 1 and SDCB_7H > 1 and SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L > 1 and SDCB_7M > 1	Black only
3	SDCB_7A > 1 and SDCB_7B > 1 and SDCB_7C > 1 and SDCB_7D > 1 and SDCB_7E > 1 and SDCB_7F > 1 and SDCB_7G > 1 and SDCB_7H > 1 and SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K = 1 and SDCB_7L > 1 and SDCB_7M > 1	Korean only
4	SDCB_7A > 1 and SDCB_7B > 1 and SDCB_7C > 1 and SDCB_7D > 1 and SDCB_7E = 1 and SDCB_7F > 1 and SDCB_7G > 1 and SDCB_7H > 1 and SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L > 1 and SDCB_7M > 1	Filipino only
5	SDCB_7A > 1 and SDCB_7B > 1 and SDCB_7C > 1 and SDCB_7D > 1 and SDCB_7E > 1 and SDCB_7F > 1 and SDCB_7G > 1 and SDCB_7H > 1 and SDCB_7I > 1 and SDCB_7J = 1 and SDCB_7K > 1 and SDCB_7L > 1 and	Japanese only

	SDCB_7M > 1	
6	SDCB_7A > 1 and SDCB_7B = 1 and SDCB_7C > 1 and SDCB_7D > 1 and SDCB_7E > 1 and SDCB_7F > 1 and SDCB_7G > 1 and SDCB_7H > 1 and SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L > 1 and SDCB_7M > 1	Chinese only
7	SDCB_7A > 1 and SDCB_7B > 1 and SDCB_7C > 1 and SDCB_7D > 1 and SDCB_7E > 1 and SDCB_7F > 1 and SDCB_7G > 1 and SDCB_7H > 1 and SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L = 1 and SDCB_7M > 1	Native only
8	SDCB_7A > 1 and SDCB_7B > 1 and SDCB_7C = 1 and SDCB_7D > 1 and SDCB_7E > 1 and SDCB_7F > 1 and SDCB_7G > 1 and SDCB_7H > 1 and SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L > 1 and SDCB_7M > 1	South Asian only
9	SDCB_7A > 1 and SDCB_7B > 1 and SDCB_7C > 1 and SDCB_7D > 1 and SDCB_7E > 1 and SDCB_7F > 1 and SDCB_7G = 1 and SDCB_7H > 1 and SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L > 1 and SDCB_7M > 1	Southeast Asian only
10	SDCB_7A > 1 and SDCB_7B > 1 and SDCB_7C > 1 and SDCB_7D > 1 and	Arab only

	SDCB_7E > 1 and SDCB_7F > 1 and SDCB_7G > 1 and SDCB_7H = 1 and SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L > 1 and SDCB_7M > 1	
11	SDCB_7A > 1 and SDCB_7B > 1 and SDCB_7C > 1 and SDCB_7D > 1 and SDCB_7E > 1 and SDCB_7F > 1 and SDCB_7G > 1 and SDCB_7H > 1 and SDCB_7I = 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L > 1 and SDCB_7M > 1	West Asian only
12	SDCB_7A > 1 and SDCB_7B > 1 and SDCB_7C > 1 and SDCB_7D > 1 and SDCB_7E > 1 and SDCB_7F = 1 and SDCB_7G > 1 and SDCB_7H > 1 and SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L > 1 and SDCB_7M > 1	Latin American only
13	SDCB_7A > 1 and SDCB_7B > 1 and SDCB_7C > 1 and SDCB_7D > 1 and SDCB_7E > 1 and SDCB_7F > 1 and SDCB_7G > 1 and SDCB_7H > 1 and SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L > 1 and SDCB_7M = 1	Other race
14	More than one category answered	Multiple cultural/racial origin

## Labour Force (8 DVs)

### 1) Working Status Last Week (Short Form)

**Variable name:** LBFBDWSS

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

**Previous Usage:**

CCHS Cycle 1.1: LBFADWSS

NPHS Cycle 4: LSC0DCWS

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

Value of LBFBDWSS	Condition(s)	Explanation
NA	LBFB_01 = NA	Population exclusions – age < 15 and > 75
1	LBFB_01 = 1	Respondent worked at a job or business.
2	LBFB_02 = 1	Respondent had a job but did not work (absent).
3	LBFB_02 = 2	Respondent did not have a job.
4	LBFB_01 = 3	Respondent was permanently unable to work.
NS	(LBFB_02 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

### 2) Working Status Last Week (Long Form)

**Variable name:** LBFBDWSL

**Based on:** LBFB\_01, LBFB\_11, LBFB\_41

**Previous Usage:**

CCHS Cycle 1.1: LBFADWSL

**Description:** This variable classifies the respondent based on his/her working status in the week prior to the interview and also includes grouping for reasons of not working.

Value of LBFBDWSL	Condition(s)	Explanation
NA	LBFB_01 = NA	Population exclusions – age < 15 and > 75
1	LBFB_01 = 1	Respondent worked at a job or business.
2	(LBFB_41 = 8, 9, 10, 12, 13)	Respondent had a job – on temporary or seasonal layoff.
3	0 < LBFB_41 < 8 or LBFB_41 = 11 or 13 < LBFB_41 < NA	Respondent had a job – absent for some other reason.
4	LBFB_11 = 1	Respondent did not have a job – looked for work over past 4 weeks.
5	LBFB_11 = 2	Respondent did not have a job – did not look for work over past 4 weeks.
6	LBFB_01 = 3	Respondent permanently unable to work.

NS	(LBFB_11 = DK, R, NS) or (LBFB_41 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
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### 3) Main Reason for Not Working Last Week

**Variable name:** LBFBDNRW

**Based on:** LBFB\_01, LBFB\_11, LBFB\_13, LBFB\_41

**Previous Usage:**

CCHS Cycle 1.1: LBFADNRW

**Description:** This variable indicates the main reason why the respondent did not work in the week prior to the interview.

Value of LBFBDNRW	Condition(s)	Explanation
NA	LBFB_01 = NA	Population exclusions – age < 15 and > 75
NA	LBFB_01 = 1	Respondent was working.
1	LBFB_01 = 3	Respondent was permanently unable to work.
2	LBFB_13 = 1 or LBFB_41 = 1	Own illness or disability
3	LBFB_13 = 2 or LBFB_41 = 2	Caring for – own children
4	LBFB_13 = 3 or LBFB_41 = 3	Caring for – elder relative
5	LBFB_13 = 4 or LBFB_41 = 4	Pregnancy / maternity leave
6	LBFB_13 = 5 or LBFB_41 = 5	Other personal or family responsibilities
7	LBFB_13 = 6 or LBFB_41 = 6	Vacation
8	LBFB_13 = 7 LBFB_41 = 14	School or educational leave
9	LBFB_13 = 8	Retired
10	LBFB_13 = 9	Believes no work is available (in area or suited to skills)
11	LBFB_41 = 7	Labour dispute
12	LBFB_41 = 8	Temporary layoff due to business conditions
13	LBFB_41 = 9	Seasonal layoff
14	LBFB_41 = 10	Casual job, no work available
15	LBFB_41 = 12	Self-employed, no work available
16	LBFB_41 = 13	Seasonal business
17	LBFB_11 = 1	Looking for work
18	LBFB_41 = 11	Work schedule
19	LBFB_13 = 10 or LBFB_41 = 15	Other
NS	(LBFB_11 = DK, R, NS) or (LBFB_13 = DK, R, NS) or (LBFB_41 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.



#### 4) Multiple Job Status

**Variable name:** LBFBDMJS

**Based on:** LBFB\_01, LBFB\_03, LBFB\_21, LBFB\_23, LBFB\_51

**Previous Usage:**

CCHS Cycle 1.1: LBFADMJS

**Description:** This variable classifies the respondent based on whether or not they had multiple jobs in the past year and if they still do.

Value of LBFBDMJS	Condition(s)	Explanation
NA	LBFB_01 = NA	Population exclusions – age < 15 and > 75
1	LBFB_51 = 52	Currently has multiple jobs – had them all past year.
2	LBFB_03 = 1 and LBFB_51 < 52	Currently has multiple jobs – did not have them all past year.
3	LBFB_03 = 2	Currently has only one job.
4	LBFB_23 = 1	Currently does not have a job – held multiple jobs over past year.
5	LBFB_23 = 2 or LBFB_21 = 2	Currently does not have a job – did not hold multiple jobs over the year.
NS	(LBFB_03 = DK, R, NS) or (LBFB_21 = DK, R, NS) or (LBFB_23 = DK, R, NS) or (LBFB_51 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

#### 5) Total Usual Hours Worked Per Week

**Variable name:** LBFBDHPW

**Based on:** LBFB\_01, LBFB\_42, LBFB\_53

**Previous Usage:**

CCHS Cycle 1.1: LBFADHPW

NPHS Cycle 4: LSCODHPW

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

Value of LBFBDHPW	Condition(s)	Explanation
NA	LBFB_01 = NA	Population exclusions – age < 15 and > 75
NA	LBFB_42 = NA	Respondent did not work in past year.
LBFB_42	LBFB_42 < NA and LBFB_53 = NA	Number of hours usually worked for respondents with one job.
LBFB_42 + LBFB_53	LBFB_42 < NA and LBFB_53 < NA	Number of total hours usually worked for respondents with more than one job.
NS	(LBFB_42 = DK, R, NS) or (LBFB_53 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

## 6) Full-Time / Part-Time Working Status (for Total Usual Hours)

**Variable name:** LBFBDPFT

**Based on:** LBFBDHPW

**Previous Usage:**

CCHS Cycle 1.1: LBFADPFT

NPHS Cycle 4: LSCODPFT

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

Value of LBFBDPFT	Condition(s)	Explanation
NA	LBFB_DHPW = NA	Population exclusions – age < 15 and > 75 or non-worker
NS	LBFB_DHPW = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.
1	LBFB_DHPW ≥ 30	Full-time
2	LBFB_DHPW < 30	Part-time

## 7) Job Status Over Past Year

**Variable name:** LBFBDJST

**Based on:** LBFB\_01, LBFB\_11, LBFB\_22, LBFB\_61, LBFB\_71, LBFB\_21

**Previous Usage:**

CCHS Cycle 1.1: LBFADJST

NPHS Cycle 4: LSCODJST

**Description:** This variable indicates the respondent's job status over the past year.

Value of LBFBDJST	Condition(s)	Explanation
NA	LBFB_01 = NA	Population exclusions – age < 15 and > 75
1	LBFB_61 = 52	Respondent has had a job throughout the past year.
2	LBFB_71 = 52	Respondent was without a job and looking for work throughout the past year.
3	LBFB_22 = 2	Respondent was without a job and not looking for work throughout past year.
4	(LBFB_61 + LBFB_71) = 52 and 0 < LBFB_71 < 52 and LBFB_61 < 52	Respondent has had a job part of the year – was without a job and looking for other part of the year.
5	LBFB_61 < 52 and LBFB_71 = 0	Respondent has had a job part of the year – was without a job and not looking for other part of the year.
6	LBFB_71 < 52 and LBFB_21 = 2 and (LBFB_11 = 1 or LBFB_22 = 1)	Respondent was without a job and looking for part of the year – was without a job and not looking for other part of the year.
7	(LBFB_61 + LBFB_71) < 52 and 0 < LBFB_71 < 52 and LBFB_61 < 52	Respondent has had a job part of the year – was without a job and looking for part of the year – was without a job and not looking for other part of year.

NS	(LBFB_22 = DK, R, NS) or (LBFB_61 = DK, R, NS) or (LBFB_71 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
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## 8) Labour Force Activity of Students

**Variable Name:** LBFBDSTU

**Based on:** SDCB\_8, SDCB\_9, LBFB\_01, LBFB\_02, LBFB\_21

**Previous Usage:**

CCHS Cycle 1.1: LBFADSTU

**Description:** This variable represents the respondent's working status for respondents who are a student.

Value of LBFBDSTU	Condition(s)	Explanation
NA	LBFB_01 = NA	Population exclusion – age < 15 or > 75
NA	SDCB_8 = 2	Respondent is not currently attending school.
NS	(LBFB_21 = DK, R, NS) or (SDCB_9 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
1	(LBFB_01 = 1 or LBFB_02 = 1 or LBFB_21 = 1) and SDCB_9 = 1	Worked during last 12 months and currently attending school full-time.
2	(LBFB_01 = 1 or LBFB_02 = 1 or LBFB_21 = 1) and SDCB_9 = 2	Worked during last 12 months and currently attending school part-time.
3	LBFB_21 = 2 and SDCB_9 = 1	Did not work during last 12 months and currently attending school full-time.
4	LBFB_21 = 2 and SDCB_9 = 2	Did not work during last 12 months and currently attending school part-time.

## Work Stress (6 DVs)

The work stress items are sub-divided into six dimensions. As is the case for the overall index, answers to the items indicate a respondent's perception about various dimensions of his/her work. The name of each subscale reflects the dimension which is measured. Respondents between the age of 15 and 75 who worked at a job or business at anytime in the past 12 months were asked to evaluate their main job in the past 12 months. The 12-item index, based on a larger pool of items from Karasek, reflects a respondent's perceptions about various dimensions of his/her work including job security, social support, monotony, physical effort required, and extent of participation in decision-making. Higher scores indicate greater work stress.

References: Schwartz J, Pieper C, Karasek RA. "A procedure for linking psychosocial job characteristics data to health surveys". *American Journal of Public Health* 1988; 78: 904-9.

Karasek R, Theorell T. *Healthy Work: Stress, Productivity and the Reconstruction of Working Life*. New York: Basic Books, Inc. 1990.)

### Temporary Reformats

Reformat	Explanation
If WSTB_401 <= 5 then WSTB_401 = (WSTB_401 - 1) If WSTB_402 <= 5 then WSTB_402 = (WSTB_402 - 1) If WSTB_403 <= 5 then WSTB_403 = (WSTB_403 - 1) If WSTB_404 <= 5 then WSTB_404 = (WSTB_404 - 1) If WSTB_405 <= 5 then WSTB_405 = (WSTB_405 - 1) If WSTB_406 <= 5 then WSTB_406 = (WSTB_406 - 1) If WSTB_407 <= 5 then WSTB_407 = (WSTB_407 - 1) If WSTB_408 <= 5 then WSTB_408 = (WSTB_408 - 1) If WSTB_409 <= 5 then WSTB_409 = (WSTB_409 - 1) If WSTB_410 <= 5 then WSTB_410 = (WSTB_410 - 1) If WSTB_411 <= 5 then WSTB_411 = (WSTB_411 - 1) If WSTB_412 <= 5 then WSTB_412 = (WSTB_412 - 1)	Rescale the answers for questions WSTB_401 to WSTB_412 from 1 - 5 to 0 - 4 for all questions with valid response categories.
If WSTB_404 <= 4 then WSTB_404 = (4 - WSTB_404) If WSTB_405 <= 4 then WSTB_405 = (4 - WSTB_405) If WSTB_408 <= 4 then WSTB_408 = (4 - WSTB_408) If WSTB_410 <= 4 then WSTB_410 = (4 - WSTB_410)	Invert scale of rescaled questions WSTB_404, WSTB_405, WSTB_408, WSTB_410 where these questions have valid response categories (i.e., response codes from 0 to 4).

## 1) Derived Work Stress Scale - Decision Latitude: Skill Discretion (Skill Requirements)

**Variable name:** WSTBDSKI

**Based on:** WSTB\_401, WSTB\_402, WSTB\_404

**Previous Usage:**

CCHS Cycle 1.1: WSTADSKI

NPHS Cycle 4: ST\_ODW12

NPHS Cycle 1: ST\_4DW12

**Description:** This variable summarizes the respondent's task variety at main work in the past 12 months. Questions are asked about whether the respondent was required to keep learning new things, whether his/her job required a high level of skill and whether the job required that the respondent do things over and over.

Value of WSTBDSKI	Condition(s)	Explanation
NA	WSTB_401 = NA	Population exclusions – Age < 15 or age > 75; GENB_08 <> 1
NS	(WSTB_401 = DK, R, NS) or (WSTB_402 = DK, R, NS) or (WSTB_404 = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.
WSTB_401 + WSTB_402 + WSTB_404 (min: 0; max: 12)	0 <= WSTB_401 <= 4 and 0 <= WSTB_402 <= 4 and 0 <= WSTB_404 <= 4	Score on Decision Latitude: Skill Discretion subscale.

## 2) Derived Work Stress Scale - Decision Latitude: Decision Authority

**Variable name:** WSTBDAUT

**Based on:** WSTB\_401, WSTB\_403, WSTB\_409

**Previous Usage:**

CCHS Cycle 1.1: WSTADAUT

NPHS Cycle 4: ST\_ODW13

NPHS Cycle 1: ST\_4DW13

**Description:** This variable summarizes the questions asked about whether the respondent's main job in the past 12 months allowed them freedom on how to do job and if had a lot of say about what happened on job.

Value of WSTBDAUT	Condition(s)	Explanation
NA	WSTB_401 = NA	Population exclusions – Age < 15 or age > 75; GENB_08 <> 1
NS	(WSTB_403 = DK, R, NS) or (WSTB_409 = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.
WSTB_403 + WSTB_409 (min: 0; max: 8)	0 <= WSTB_403 <= 4 and 0 <= WSTB_409 <= 4	Score on Decision Latitude: Decision Authority subscale.

### 3) Derived Work Stress Scale - Psychological Demands

**Variable name:** WSTBDPSY

**Based on:** WSTB\_401, WSTB\_405, WSTB\_406

**Previous Usage:**

CCHS Cycle 1.1: WSTADPSY

NPHS Cycle 4: ST\_ODW14

NPHS Cycle 1: ST\_4DW14

**Description:** This variable summarizes the psychological demands of the job if the respondent free from conflicting demands that others make and if the main job in the past 12 months was very hectic.

Value of WSTBDPSY	Condition(s)	Explanation
NA	WSTB_401 = NA	Population exclusions – Age < 15 or age > 75; GENB_08 <> 1
NS	(WSTB_405 = DK, R, NS) or (WSTB_406 = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.
WSTB_405 + WSTB_406 (min: 0; max: 8)	0 <= WSTB_405 <= 4 and 0 <= WSTB_406 <= 4	Score on Psychological Demands subscale.

### 4) Derived Work Stress Scale - Job Insecurity

**Variable name:** WSTBDJIN

**Based on:** WSTB\_401, WSTB\_407

**Previous Usage:**

CCHS Cycle 1.1: WSTADJIN

NPHS Cycle 4: ST\_ODW15

NPHS Cycle 1: ST\_4DW15

**Description:** This variable indicates if the respondent feels that their main job's security was good.

Value of WSTBDJIN	Condition(s)	Explanation
NA	WSTB_401 = NA	Population exclusions – Age < 15 or age > 75; GENB_08 <> 1
NS	(WSTB_407 = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) the question required for calculation.
WSTB_407 (min: 0 ; max: 4)	0 <= WSTB_407 <= 4	Score on Job Insecurity subscale.

## 5) Derived Work Stress Scale - Physical Exertion

**Variable name:** WSTBDPHY

**Based on:** WSTB\_401, WSTB\_408

**Previous Usage:**

CCHS Cycle 1.1: WSTADPHY

NPHS Cycle 4: ST\_ODW16

NPHS Cycle 1: ST\_4DW16

**Description:** This variable indicates whether the main job in the past 12 months required a lot of physical effort.

Value of WSTBDPHY	Condition(s)	Explanation
NA	WSTB_401 = NA	Population exclusions – Age < 15 or age > 75; GENB_08 <> 1
NS	(WSTB_408 = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) the question required for calculation.
WSTB_408 (min: 0; max: 4)	0 <= WSTB_408 <= 4	Score on Physical Exertion subscale.

## 6) Derived Work Stress Scale - Social Support

**Variable name:** WSTBDSOC

**Based on:** WSTB\_401, WSTB\_410, WSTB\_411, WSTB\_412

**Previous Usage:**

CCHS Cycle 1.1: WSTADSOC

NPHS Cycle 4: ST\_ODW17

NPHS Cycle 1: ST\_4DW17

**Description:** This variable summarizes the social support available to the respondent at his/her main job in the past 12 months. Questions are asked about whether or not the supervisor and the people the respondent worked with were helpful in getting the job done, and whether the respondent was exposed to hostility or conflict from the people they worked with.

Value of WSTBDSOC	Condition(s)	Explanation
NA	WSTB_401 = NA	Population exclusions – Age < 15 or age > 75; GENB_08 <> 1
NS	(WSTB_410 = DK, R, NS) or (WSTB_411 = DK, R, NS) or (WSTB_412 = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.
WSTB_410 + WSTB_411 + WSTB_412 (min: 0; max: 12)	0 <= WSTB_410 <= 4 and 0 <= WSTB_411 <= 4 and 0 <= WSTB_412 <= 4	Score on Social Support subscale.

## Income (5 DVs)

### 1) Total Household Income, 2 Categories

**Variable name:** INCB DIA2

**Based on:** DHHBDHSZ, INCB\_3A, INCB\_3B, INCB\_3C, INCB\_3D, INCB\_3E, INCB\_3F

**Previous usage:**

CCHS Cycle 1.1: INCADIA2

NPHS Cycle 4: INC0DIA2

NPHS Cycle 3: INC8DIA2

NPHS Cycle 2: INC6DIA2

NPHS Cycle 1: INC4DIA2

**Description:** This variable classifies the total household income into 2 categories based on total household income and the number of people living in the household.

Value of INCB DIA2	Condition(s)	Description
NS	(INCB_3A = DK, R, NS)	Respondent didn't answer (don't know, refusal, not stated) any income questions.
1	(DHHBDHSZ = 1, 2) and [INCB_3A = 3 or INCB_3B = 1 or INCB_3D = 1] or (DHHBDHSZ = 3, 4) and (INCB_3A = 1, 3) or DHHBDHSZ >= 5 and [(INCB_3A = 1, 3) or INCB_3F = 1]	Low income < \$15,000 if 1 or 2 people; < \$20,000 if 3 or 4 people; < \$30,000 if 5+ people
2	(DHHBDHSZ = 1, 2) and [INCB_3A = 2 or INCB_3D = 2] or (DHHBDHSZ = 3, 4) and INCB_3A = 2 or DHHBDHSZ >= 5 and [INCB_3E = 2 or INCB_3F = 2]	Middle or High Income >= \$15,000 if 1 or 2 people; >= \$20,000 if 3 or 4 people; >= \$30,000 if 5+ people
NS	Else	Respondent didn't give enough information to be classified.



## 2) Total Household Income, 4 Categories

**Variable name:** INCB DIA4

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

**Previous usage:**

CCHS Cycle 1.1: INCADIA4

NPHS Cycle 4: INCODIA4

NPHS Cycle 3: INC8DIA4

NPHS Cycle 2: INC6DIA4

NPHS Cycle 1: INC4DIA4

**Description:** This variable classifies the total household income into 4 categories based on total household income and the number of people living in the household.

Value of INCB DIA4	Condition(s)	Description
NS	(INCB_3A = DK, R, NS)	Respondent didn't answer (don't know, refusal, not stated) any income questions.
1	(DHHBDHSZ = 1, 2) and [INCB_3A = 3 or INCB_3B = 1 or INCB_3D = 1] or (DHHBDHSZ = 3, 4) and (INCB_3A = 1, 3) or DHHBDHSZ >= 5 and [(INCB_3A = 1, 3) or INCB_3F = 1]	Lowest income < \$15,000 if 1 or 2 people; < \$20,000 if 3 or 4 people; < \$30,000 if 5+ people
2	(DHHBDHSZ = 1, 2) and [INCB_3D = 2 or INCB_3F = 1] or (DHHBDHSZ = 3, 4) and (INCB_3E = 1) or DHHBDHSZ >= 5 and [INCB_3F = 2 or (INCB_3G = 1, 2)]	Lower middle income \$15,000 to \$29,999 if 1 or 2; \$20,000 to \$39,999 if 3 or 4; \$30,000 to \$59,999 if 5+
3	(DHHBDHSZ = 1, 2) and [INCB_3F = 2 or INCB_3G = 1, 2] or (DHHBDHSZ = 3, 4) and (INCB_3G = 1, 2, 3) or DHHBDHSZ >= 5 and INCB_3G = 3	Upper middle income \$30,000 to \$59,999 if 1 or 2; \$40,000 to \$79,999 if 3 or 4; \$60,000 to \$79,999 if 5+
4	(DHHBDHSZ = 1, 2) and (INCB_3G = 3, 4) or DHHBDHSZ >= 3 and INCB_3G = 4	Highest Income > \$60,000 if 1 or 2; > \$80,000 if 3+
NS	Else	Respondent didn't give enough information to be classified.

### 3) Total Household Income, 5 Categories

**Variable name:** INCB DIA5

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

**Previous usage:**

CCHS Cycle 1.1: INCADIA5

NPHS Cycle 4: INCODIA5

NPHS Cycle 3: INC8DIA5

NPHS Cycle 2: INC6DIA5

NPHS Cycle 1: INC4DIA5

**Description:** This variable classifies the total household income into 5 categories based on total household income and the number of people living in the household.

Value of INCB DIA5	Condition(s)	Description
NS	(INCB_3A = DK, R, NS)	Respondent didn't answer (don't know, refusal, not stated) any income questions.
1	DHHBDHSZ < 5 and [INCB_3A = 3 or INCB_3B = 1] or DHHBDHSZ >= 5 and [INCB_3A = 3 or INCB_3B = 1 or INCB_3D = 1]	Lowest Income < \$10,000 if 1 to 4 people; < \$15,000 if 5+ people
2	(DHHBDHSZ = 1, 2) and INCB_3D = 1 or (DHHBDHSZ = 3, 4) and INCB_3B = 2 or DHHBDHSZ >= 5 and [INCB_3D = 2 or INCB_3F = 1]	Lower Middle Income \$10,000 to \$14,999 if 1 or 2; \$10,000 to \$19,999 if 3 or 4; \$15,000 to \$29,999 if 5+
3	(DHHBDHSZ = 1, 2) and [INCB_3D = 2 or INCB_3F = 1] or (DHHBDHSZ = 3, 4) and INCB_3E = 1 or DHHBDHSZ >= 5 and [INCB_3F = 2 or (INCB_3G = 1, 2)]	Middle Income \$15,000 to \$29,999 if 1 or 2; \$20,000 to \$39,999 if 3 or 4; \$30,000 to \$59,999 if 5+
4	(DHHBDHSZ = 1, 2) and [INCB_3F = 2 or (INCB_3G = 1, 2)] or (DHHBDHSZ = 3, 4) and (INCB_3G = 1, 2, 3) or DHHBDHSZ >= 5 and INCB_3G = 3	Upper Middle Income \$30,000 to \$59,999 if 1 or 2; \$40,000 to \$79,999 if 3 or 4; \$60,000 to \$79,999 if 5+

5	(DHHBDHSZ = 1, 2) and (INCB_3G = 3, 4) or DHHBDHSZ >= 3 and INCB_3G = 4	Highest Income > \$60,000 if 1 or 2; > \$80,000 if 3+
NS	Else	Respondent didn't give enough information to be classified.

#### 4) Total Household Income, All Sources

**Variable name:** INCBDDHH

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

**Previous usage:**

CCHS Cycle 1.1: INCADHH

NPHS Cycle 4: INCODHH

NPHS Cycle 3: INC8DHH

NPHS Cycle 2: INC6DHH

NPHS Cycle 1: INC4DHH

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

Value of INCBDDHH	Condition(s)	Description
NS	(INCB_3A = DK, R, NS)	Respondent didn't answer (don't know, refusal, not stated) any income questions.
1	INCB_3A = 3	No income
2	INCB_3C = 1	Less than \$5,000
3	INCB_3C = 2	\$5,000 TO \$9,999
4	INCB_3D = 1	\$10,000 TO \$14,999
5	INCB_3D = 2	\$15,000 TO \$19,999
6	INCB_3F = 1	\$20,000 TO \$29,999
7	INCB_3F = 2	\$30,000 TO \$39,999
8	INCB_3G = 1	\$40,000 TO \$49,999
9	INCB_3G = 2	\$50,000 TO \$59,999
10	INCB_3G = 3	\$60,000 TO \$79,999
11	INCB_3G = 4	\$80,000 +
NS	Else	Respondent didn't give enough information to be classified.

## 5) Personal Income, All Sources

**Variable name:** INCBDPER

**Based on:** DHHB\_AGE, INCB\_4A, INCB\_4B, INCB\_4C, INCB\_4D, INCB\_4E, INCB\_4F, INCB\_4G

Previous usage:

CCHS Cycle 1.1: INCADPER

NPHS Cycle 4: INCODPER

NPHS Cycle 3: INC8DPER

NPHS Cycle 2: INC6DPER

NPHS Cycle 1: INC4DPER

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

Value of INCBDPER	Condition(s)	Description
NA	DHHB_AGE < 15	Population exclusion – Age < 15
NS	(INCB_4A = DK, R, NS)	Respondent didn't answer (don't know, refusal, not stated) any income questions.
1	(INCB_4A = 3, NA)	No income
2	INCB_4C = 1	Less than \$5,000
3	INCB_4C = 2	\$5,000 TO \$9,999
4	INCB_4D = 1	\$10,000 TO \$14,999
5	INCB_4D = 2	\$15,000 TO \$19,999
6	INCB_4F = 1	\$20,000 TO \$29,999
7	INCB_4F = 2	\$30,000 TO \$39,999
8	INCB_4G = 1	\$40,000 TO \$49,999
9	INCB_4G = 2	\$50,000 TO \$59,999
10	INCB_4G = 3	\$60,000 TO \$79,999
11	INCB_4G = 4	\$80,000 +
NS	Else	Respondent didn't give enough information to be classified.