Canadian Community Health Survey (CCHS)
Cycle 1.2 – Canadian Forces

Derived Variable (DV) Specifications

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CF Sampling/Derived Variables (11 DVs)

1)   CF stratification categories used for sample selection

Variable name: CF_B_STR
Based on: Gender and rank of each DND member on the regular and reserve force sampling frames (i.e. the separate censuses of all regular and reservists provided by DND)
Previous usage: None
Description: Regular force and reserve force membership classified into 5 strata for sampling purposes; 3 strata based on rank for males and 2 strata based on rank for women. For stratification, categories 1 and 2 were combined for females.

Value of CF_B_STR	Condition(s)	Explanation
1	Sex = Male and rank is equal to one of following: PteB', 'PTEB', PTE (B)', 'PteR', 'PTER', 'PTE (R)', 'PteT', 'PTET', 'PTE(T)', 'OS', 'OSB', 'OS(B)', 'OSB', 'OSR', 'AB', 'LS','BDR','Bdr', 'Cvr', 'Cpl', 'CPL', 'CPL(1)','CPL(2)', 'MS', 'MCpl', 'MCPL', 'MCPL(1)', 'MCPL(2)'	Male Junior NCM
2	Gender = Male and rank is equal to one of following: 'Sgt', 'SGT', 'SGT(1)', 'SGT(2)', 'PO1', 'PO2', 'WO', 'WO(1)', 'WO(2)', 'Adj', 'CPO2', 'MWO', 'MWO(1)', 'MWO(2)', 'CPO1', 'CWO', 'CWO(1)', 'CWO(2)'	Male Senior NCM
3	Gender = Male and rank is equal to one of following: 'NCDT', 'OCDT', 'A-Slt', 'A/SLT', '2Lt', '2LT', '2LT CFR', 'SLt', 'SLT', 'SLT CFR', 'Lt', 'LT', 'LT (CFR)', 'Lt(N)', 'LT (N)', 'CAPT', 'Capt', 'CAPT', 'LCdr', 'LCDR', 'Maj', 'MAJ', 'Cdr', 'CDR','LCol', 'LCOL', 'Capt(N)', 'CAPT (N)','Col', 'COL', 'Cmdre', 'CMDRE', 'BGen', 'BGEN', 'RADM', 'RAdm', 'MGen', 'MGEN', 'VAdm', 'VADM', 'LGen', 'LGEN', 'Gen', 'GEN'	Male Officer
4	Gender = Female and rank is equal to one of following: PteB', 'PTEB', PTE (B)', 'PteR', 'PTER', 'PTE (R)', 'PteT', 'PTET', 'PTE(T)', 'OS', 'OSB', 'OS(B)', 'OSB', 'OSR', 'AB', 'LS','BDR','Bdr', 'Cvr', 'Cpl', 'CPL','CPL(1)','CPL(2)', 'MS', 'MCpl', 'MCPL', 'MCPL(1)', 'MCPL(2)' or 'Sgt', 'SGT', 'SGT(1)', 'SGT(2)', 'PO1', 'PO2', 'WO', 'WO(1)', 'WO(2)', 'Adj', 'CPO2', 'MWO', 'MWO(1)', 'MWO(2)', 'CPO1', 'CWO',	Female Junior/Senior NCM

	'CWO(1)', 'CWO(2)'	
5	Gender = Female and rank is equal to one of following: 'NCDT', 'OCDT', 'A-Slt', 'A/SLT', '2Lt', '2LT', '2LT CFR', 'SLt', 'SLT', 'SLT CFR', 'Lt', 'LT', 'LT (CFR)', 'Lt(N)', 'LT (N)', 'CAPT', 'Capt', 'CAPT', 'LCdr', 'LCDR', 'Maj', 'MAJ', 'Cdr', 'CDR','LCol', 'LCOL', 'Capt(N)', 'CAPT (N)','Col', 'COL', 'Cmdre', 'CMDRE', 'BGen', 'BGEN', 'RADM', 'RAdm', 'MGen', 'MGEN', 'VAdm', 'VADM', 'LGen', 'LGEN', 'Gen', 'GEN'	Female Officer

2) CF Rank – rank grouped at time of stratification

Variable name: CF_BDRKS
Based on: CF_B_RKS
Previous usage: None
Description: Rank grouped into 3 groupings for sampling and stratification purposes. For stratification, categories 1 & 2 were combined for females. One record for regular forces had a missing rank and was imputed.

Value of CF_BDRKS	Condition(s)	Explanation
1	PteB', 'PTEB', PTE (B)', 'PteR', 'PTER', 'PTE (R)', 'PteT', 'PTET', 'PTE(T)', 'OS', 'OSB', 'OS(B)', 'OSB', 'OSR', 'AB', 'LS','BDR','Bdr', 'Cvr', 'Cpl', 'CPL','CPL(1)','CPL(2)','MS', 'MCpl', 'MCPL', 'MCPL(1)', 'MCPL(2)'	Junior Non Commissioned Member (NCM) Grouping. Includes rank of PRIVATE (and equivalents in other environments) through MASTER CORPORAL. Includes: private(pte), cavalier (cvr), ordinary seaman(os), able seaman(ab), leading seaman(ls), corporal(cpl), bombardier(bdr), master seaman(ms), master corporal(mcpl)
2	'Sgt', 'SGT', 'SGT(1)', 'SGT(2)', 'PO1', 'PO2', 'WO', 'WO(1)', 'WO(2)', 'Adj', 'CPO2', 'MWO', 'MWO(1)', 'MWO(2)', 'CPO1', 'CWO', 'CWO(1)', 'CWO(2)'	Senior NCM Grouping. Includes rank of SERGEANT (and equivalents in other environments) through CHIEF WARRANT OFFICER. Includes: sergeant(sgt), petty officer 2nd class(po2), petty officer 1st class(po1), warrant officer(wo), chief petty officer 2nd class(cpo2), master warrant officer(mwo), chief petty officer 1st class(cpo1), chief warrant officer (cwo)
3	'NCDT', 'OCDT', 'A-Slt', 'A/SLT', '2Lt', '2LT', '2LT CFR', 'SLt', 'SLT', 'SLT CFR', 'Lt', 'LT', 'LT (CFR)', 'Lt(N)', 'LT (N)', 'CAPT', 'Capt', 'CAPT', 'LCdr', 'LCDR', 'Maj', 'MAJ', 'Cdr', 'CDR','LCol', 'LCOL', 'Capt(N)', 'CAPT(N)','Col', 'COL', 'Cmdre', 'CMDRE', 'BGen', 'BGEN', 'RADM', 'RAdm', 'MGen', 'MGEN', 'VAdm', 'VADM', 'LGen', 'LGEN',	OFFICER Grouping. Includes rank of NAVY CADET (and equivalents in other environments) through GENERAL. Includes: navy cadet(ncdt),officer cadet (ocdt), acting sub-lieutenant (a/slt), second lieutenant(2lt), sub-lieutenant(slt), lieutenant(lt), lieutenant navy(lt(n)), captain(capt), lieutenant-commander(lcdr), major(maj), commander(cdr),

	'Gen', 'GEN'	lieutenant-colonel (lcol),captain navy (capt(n)) colonel(col), commodore(cmdre), brigadier-general(bgen), rear-admiral(radm), major-general(mgen), vice-admiral(vadm), lieutenant-general(lgen), admiral(adm), general(gen).

3) CF Rank – rank grouped using alpha rank variable updated with information from the interviewer notes.

Variable name: CF_BDRKU
Based on: CF_B_RKU
Previous usage: None
Description: Rank grouped into 3 groupings.

Value of CF_BDRKU	Condition(s)	Explanation
1	PteB', 'PTEB', PTE (B)', 'PteR', 'PTER', 'PTE (R)', 'PteT', 'PTET', 'PTE(T)', 'OS', 'OSB', 'OS(B)', 'OSB', 'OSR', 'AB', 'LS','BDR','Bdr', 'Cvr', 'Cpl', 'CPL','CPL(1)','CPL(2)','MS', 'MCpl','MCPL','MCPL(1)','MCPL(2)'	Junior Non Commissioned Member (NCM) Grouping. Includes rank of PRIVATE (and equivalents in other environments) through MASTER CORPORAL. Includes: private(pte), cavalier(cvr), ordinary seaman(os), able seaman(ab), leading seaman(ls), corporal(cpl), bombardier(bvr), master seaman(ms), master corporal(mcpl)
2	'Sgt', 'SGT', 'SGT(1)', 'SGT(2)', 'PO1', 'PO2', 'WO', 'WO(1)', 'WO(2)', 'Adj', 'CPO2', 'MWO', 'MWO(1)', 'MWO(2)', 'CPO1', 'CWO', 'CWO(1)', 'CWO(2)'	Senior NCM Grouping. Includes rank of SERGEANT (and equivalents in other environments) through CHIEF WARRANT OFFICER. Includes: sergeant(sgt), petty officer 2nd class(po2), petty officer 1st class(po1), warrant officer(wo), chief petty officer 2nd class(cpo2), master warrant officer(mwo), chief petty officer 1st class(cpo1), chief warrant officer (cwo)
3	'NCDT', 'OCDT', 'A-Slt', 'A/SLT', '2Lt', '2LT', '2LT CFR', 'SLt', 'SLT', 'SLT CFR', 'Lt', 'LT', 'LT (CFR)', 'Lt(N)', 'LT (N)', 'CAPT', 'Capt', 'CAPT', 'LCdr', 'LCDR', 'Maj', 'MAJ', 'Cdr', 'CDR','LCol', 'LCOL', 'Capt(N)', 'CAPT (N)','Col', 'COL', 'Cmdre', 'CMDRE', 'BGen', 'BGEN', 'RADM', 'RAdm', 'MGen', 'MGEN', 'VAdm', 'VADM', 'LGen', 'LGEN', 'Gen', 'GEN'	OFFICER Grouping. Includes rank of NAVY CADET (and equivalents in other environments) through GENERAL. Includes: navy cadet(ncdt),officer cadet (ocdt), acting sub-lieutenant (a/slt), second lieutenant(2lt), sub-lieutenant(slt), lieutenant(lt), lieutenant navy(lt(n)), captain(capt), lieutenant-commander(lcdr), major(maj), commander(cdr), lieutenant- colonel (lcol),captain navy (capt(n)) colonel(col), commodore(cmdre), brigadier-general(bgen), rear-admiral(radm),

		major-general(mgen), vice-admiral(vadm), lieutenant-general(lgen), admiral(adm), general(gen)

4) CF member's environment alpha description updated with any information obtained from tracing operation

Variable name: CF_B_ENV
Based on: CF_ENVIRONMENT(sample) + CF_ENV(tracing) for regular force; ENVIR for reserve force.
Previous usage: None
Description: This variable, CF_B_ENV, was an update of any new information obtained from the CF tracing exercise of the regular force original DND provided sampling variable relating to the member's environment. There is a 3-level categorization for regular force and a 4-level categorization for reserve force.

Value of CF_B_ENV	Explanation
LAND	Land (Army)
AIR	Air Force
SEA	Navy
COMM	Communications (reserve only)
SHR, SRR, N/A	Unknown (see CF_BDENV)

5) CF member's environment coded to numeric code

Variable name: CF_BDENV
Based on: CF_B_ENV
Previous usage: None
Description: 3-level categorization for regular force, 4-level categorization for reserve force. Approximately 50 regular force records were missing an environment designation and needed imputation using the other available sampling DND provided information. Approximately fifty records were found to have three other values on the sampling files (SHR, SRR, N/A). These records were assigned an environment based on the other information found on the record.

Value of CF_BDENV	Condition(s)	Explanation
1	CF_B_ENV = 'LAND'	Land (army)
2	CF_B_ENV = 'AIR'	Air
3	CF_B_ENV = 'SEA'	Sea (navy)
4	CF_B_ENV = 'COMM'	Communications (unique to reserve force)
1, 2, 3 or 4	SHR, SRR, N/A	Assigned environment dependent on other available sampling information

6)   CF member's base geographical region alpha description updated with any information obtained from tracing operation

Variable name: CF_B_REG
Based on: REGION(sample) + BASE_REGION(tracing) for regular force; REGION for reserve force.
Previous usage: None
Description: This variable, CF_B_REG, was an update of any new information obtained from the CF tracing exercise of the regular force original DND provided sampling variable relating to the member's base region. There is a 4-level categorization for both the regular & reserve forces.

Value of CF_B_ENV	Explanation
Atlantic	Atlantic region
Quebec	Quebec region
Central	Central region
Western	Western region

7)   CF member's base geographical region coded to numeric code.

Variable name: CF_BDREG
Based on: CF_B_REG
Previous usage: None
Description: 4-level geographical classification of unit base region. Four regular force records were missing a region description and needed imputation using the other available sampling DND provided information.

Value of CF_BDREG	Condition(s)	Explanation
1	CF_B_REG = 'ATLANTIC'	Atlantic region
2	CF_B_REG = 'QUEBEC'	Quebec region
3	CF_B_REG = 'CENTRAL'	Central region
4	CF_B_REG = 'WESTERN'	Western region

8)   CF Language Preference

Variable name: CF_B_LAN
Based on: MOTHER_TONGUE (regular force) and LANGUAGE (reserve force)
Previous usage: None
Description: Language preference of member as on DND sampling file provided.

Value of CF_B_LAN	Condition(s)	Explanation
1	MOTHER_TONGUE = English for regular or LANGUAGE = ENGLISH for reserve	English
2	MOTHER_TONGUE = French for regular or LANGUAGE = FRENCH for reserve	French

9)   CF Military Occupation Code Grouped

Variable name: CF_BDOCN
Based on: CF_BDMCD
Previous usage: None
Description: MOC categorizations grouped into 12 collapsed categories. See below for correspondence between grouped categories and raw MOC categorizations. One regular force record was missing occupation information and needed imputation using the other available sampling DND provided information.

		Description	
	Label	**Sub-categories and codes (Officers)**	**Sub-categories and codes (NCMs)**
1	COMBAT ARMS	ARMOUR (21, 21A, 21U, R21, R25) ARTILLERY(FIELD) (22, 22A, 22U, R27) INFANTRY (23, 23A, 23U, R23) ENGINEERS (24, 24A, 24U, R24) ARMOUR RECCONNAISANCE (R26) ARTILLERY (AIR DEFENCE) (28, R28)	CREWMAN (011, R011) CREWMAN (ARMOURED) (R012) CREWMAN (RECCONNAISANCE) (R013) ARTILLERY (FIELD) (021, R021) ARTILLERY (AIR DEFENCE) (022, R022) INFANTRY (031, R031) FIELD ENGINEER (041, R041) FIELD ENGINEER EQUIPMENT OPERATOR (042, R042) COMBAT ENGINEER (043) LINE MAINTAINER (052, R052)
2	COMMUNICATIONS		STRATEGIC INFORMATION SYSTEMS TECHNICIAN (108) RADIO & TELETYPE OPERATOR (211, R214) TELETYPE OPERATOR (212, R212) SIGNAL OPERATOR (215, R215) COMMUNICATIONS TECHNICIAN (224, R224) AEROSPACE TELECOMMUNICATIONS AND INFORMATION SYSTEMS TECHNICIAN (226, R226) LAND COMMUNICATIONS AND INFORMATION SYSTEMS TECHNICIAN (227, R227) RADAR TECHNICIAN (231) COMMUNICATOR RESEARCHER (291, R291)
3	MARITIME	MARITIME ENGINEERING (44, 44A, 44B, 44C, 44D, 44E, 44U, R44, R44D) MARITIME SURFACE AND SUB-SURFACE (71, 71A, 71B, 71C, 71D, 71E, 71U, 71Z, R71) NAVAL CONTROL OF SHIPPING (R86, R86A)	NAVAL WEAPONS TECHNICIAN (065) BOATSWAIN (181, R181) CLEARANCE DIVER (341, R341) CLEARANCE DIVER TECHNICIAN (342) DIVER (R345)
4	MARITIME COMMUNICATIONS		OCEANOGRAPHIC OPERATOR (191, R191) NAVAL SIGNALMAN (262, R262) SHIPPING CONTROL OPERATOR (R263) NAVAL ACOUSTICS OPERATOR (273) NAVAL COMMUNICATOR (274, 277,

			R277) NAVAL COMBAT INFORMATION OPERATOR (275, R275) NAVAL ELECTRONIC SENSOR OPERATOR (276, R276) TACTICAL ACOUSTIC SENSOR OPERATOR (278) NAVAL ELECTRONICS TECHNICIAN (ACOUSTICS) (283)
5	MARITIME TECHNICAL		NAVAL ELECTRONICS TECHNICIAN (COMMUNICATIONS) (284, R284) NAVAL ELECTRONICS TECHNICIAN (TACTICAL) (285) NAVAL ELECTRONICS TECHNICIAN (MANAGER) (286) MARINE ENGINEERING MECHANIC (312, R312) MARINE ENGINEERING TECHNICIAN (313, R313) MARINE ENGINEERING ARTIFICER (314, R314, 315, R315) HULL TECHNICIAN (321, R321) MARINE ELECTRICIAN (332, R332)
6	AVIATION	AIR NAVIGATOR (31, 31A, 31B, 31D, 31U, R31) PILOT (32, 32A, 32U, R32) AEROSPACE CONTROL (39, 39A, 39U) AEROSPACE ENGINEERING (41, 41A, 41U, R41) AIR TRAFFIC CONTROL (63, R63) AIR WEAPONS CONTROL (64, R64) FLIGHT ENGINEER (65, R65) METEOROLOGY (73, R73)	AIRBORNE ELECTRONIC SENSOR OPERATOR (081, 082, R081) FLIGHT ENGINEER (091, R091) METEOROLOGICAL TECHNICIAN (121, R121) SEARCH AND RESCUE TECHNICIAN (131, R131) AIRFORCE SUPPORT OPERATOR (161, 168, 169, 170, R161)
7	AVIATION TECHNICAL		AIR DEFENCE TECHNICIAN (171, R171) AERO ENGINE TECHNICIAN (511, R511) AVIATION SYSTEMS TECHNICIAN (513, 514, R514) AVIONICS SYSTEMS TECHNICIAN (525, 526, R526, R527, R528) IMAGERY TECHNICIAN (541, R541) WEAPONS TECHNICIAN –AIR (571) AIR WEAPONS SYSTEM TECHNICIAN (572)
8	ADMIN/LOGISTICS/ SECUR/INT/ EMERGENCY SVCS	GENERAL OFFICER (11,12, R11) PERSONNEL ADMINISTRATION (68, 68U, R68, R68Y) LOGISTICS (69, 69A, 69B, R69, R69A, R69B, R69C, R69D, R69E, R69G, R69H, 78, 78B, 78C, 78D, 78U, R78, R78C) PERSONNEL SELECTION (72, R72) MILITARY POLICE OFFICER (81, 81A, 81U, R81) INTELLIGENCE (82, 82A, R82) CADET (R91, R92, R93)	CADET UNTRAINED (R091) INTELLIGENCE OPERATOR (111, R111) FIRE FIGHTER (651, R651) MILITARY POLICE (811, R811) ADMINISTRATIVE CLERK (831, R831) RESOURCE MANAGEMENT SUPPORT CLERK (836, R836) FINANCE CLERK (841, R841) COOK (861, R861) STEWARD (862)

		CANADIAN RANGER (95) TRAINING (AIR, ENGINEERING, LAND, SEA, SPECIAL) (98, 98C, 98D, 98E, R98)	SUPPLY TECHNICIAN (911, R911) AMMUNITION TECHNICIAN (921) TRAFFIC TECHNICIAN (933, R933) MOBILE SUPPORT EQUIPMENT OPERATOR (935, R935)
9	ENGINEERING	COMMUNICATIONS AND ELECTRONICS ENGINEERING (42, 42B, 42C, 42U, R42) LAND, ELECTRICAL AND MECHANICAL ENGINEERING (43, 43A, 43U, 43Y, R43) MILITARY ENGINEERING (45, R45) AIRFIELD ENGINEERING (46, 46A, R46)	
10	TECHNICAL		GEOMATICS TECHNICIAN (142) ELECTRICAL TECHNICIAN (331, R331) VEHICLE TECHNICIAN (411, R411) WEAPONS TECHNICIAN (Land) (421, R421) FIRE CONTROL SYSTEMS TECHNICIAN (432,433, 434, 435) MATERIALS TECHNICIAN (441, R441) AIRCRAFT STRUCTURES TECHNICIAN (565, 566, 567, 568, R565) REFRIGERATION & MECHANICAL TECHNICIAN (641, R641) ELECTRICAL DISTRIBUTION TECHNICIAN (642, R642) ELECTRICAL GENERATING SYSTEMS TECHNICIAN (643, R643) PLUMBING & HEATING TECHNICIAN (646, R646) WATER, FUEL & ENVIRONMENTAL TECHNICIAN (647, R647) CONSTRUCTION TECHNICIAN (648, R648) CONSTRUCTION ENGINEER SUPERINTENDENT (649, R649)
11	MEDICAL	HEALTH CARE ADMINISTRATION (48, 48A, R48) PHYSICAL THERAPY (49) DENTAL (51, 51A, 51B, 51C, 51D, R51) HEALTH SERVICE OPERATIONS (52, 52A, R52) PHYSICAL EDUCATION & RECREATION (53, R53) PHARMACY (54, 54A, R54) MEDICAL (55, 55A, 55B, 55U, R55) MEDICAL ASSOCIATE OFFICER (56, 56B, 56J, R56) NURSING (57, 57A, 57U, R57)	MEDICAL ASSISTANT (711, R711) MEDICAL ASSISTANT - OPERATING ROOM ASSISTANT (713) MEDICAL LABORATORY TECHNICIAN (714, R714, 732, 733, 734, 737) XRAY TECHNICIAN (715, 735) MEDICAL TECHNICIAN –SENIOR PREVENTIVE MEDICINE TECHNICIAN (716) AEROMEDICAL TECHNICIAN (717, R717) BIOMEDICAL ELECTRONICS TECHNICIAN (718) HEALTH SERVICES TECHNICAL MANAGER (719) DENTAL TECHNICIAN – DENTAL CLINICAL ASSISTANT (722, R722) DENTAL LAB. TECHNICAN (723)

			DENTAL EQUIPMENT TECHNICIAN (724) DENTAL TECHNICIAN HYGIENIST (725) MEDICAL TECHNICIAN AEROMEDICAL TECHNICIAN (731, R731) BIOMEDICAL TECHNICIAN (736) DENTAL TECHNICIAN (738) PHYSICAL EDUCATION & RECREATION INS. (851, R851)
12	GOS	SOCIAL WORK (58) CHAPLAIN (ROMAN CATHOLIC) (59,62,R62) CHAPLAIN (PROTESTANT) (61, 61A, R61) PUBLIC AFFAIRS (66, 66A, R66, R66A) LEGAL (67, 67A, R67) PERSONNEL SELECTION (72, 72A, 72U, R72) TRAINING DEVELOPMENT (74, 74U, R74) MUSIC (75, R75) POSTAL (76)	COURT REPORTER (833) MUSCIAN (871, R871) POSTAL CLERK (881)

10) CF Regular Force Active Status

Variable name: CF_BDPES
Based on: PERSONNEL_EMPLOYMENT_STATUS (alpha type variable available for regular force only, not applicable for reserve force)
Previous usage: None
Description: Regular force active status, as on DND provided sampling file.

Value of CF_BDPES	Condition(s)	Explanation
1	PERSONNEL_EMPLOYMENT_STATUS= active	Active
2	PERSONNEL_EMPLOYMENT_STATUS= LOA	Leave of absence

11) CF Force Type

Variable name: CF_BDFOR
Based on: SAMPTYPE
Previous usage: None
Description: The CF force either regular or reserve updated with information from tracing and from interviewer notes.

Value of CF_BDFOR	Condition(s)	Explanation
2	SAMPTYPE = Regular+Additional info	Regular force
3	SAMPTYPE = Reserve+Additional info	Reserve Force

Dwelling and Household Record Variables (6 DVs)

1) 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.

2) 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

3) 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

4) 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

5) 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 CODES: (*as on the relationship file) 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	Relationship Codes used.
A=(Parental) D1, D2, D3 L=(Other) F1, F2, F3, F4, F5*, G0*, H0*, I0, J0, K0, L0, Z0 M=(Child) E1, E2, E3 (sorted by age) X=(Spouse) A0, B0, C0 Y=(Single) Y1 Z=(not stated) NS	Temporary recodes to collapse relationships.

* 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 DHHBDECF	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	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. 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	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	Couple with all children >= 25 Married or common-law couple with all children >= 25 years old. No other relationships are permitted.

	must have RE_REL = M and of these DHHB_AGE >= 25	
8	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. 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	DHHBDHSZ > 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	DHHBDHSZ > 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	DHHBDHSZ > 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	DHHBDHSZ > 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	DHHBDHSZ > 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	DHHBDHSZ > 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	DHHBDHSZ > 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	DHHBDHSZ > 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.

6) 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 CODES: (*as on the relationship file) 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	Relationship Codes used
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, Social Phobia, Panic Disorder, Generalized Anxiety Disorder and Post-Traumatic Stress Disorder. 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 heath 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 whether he/she was screened into the mania module or not. Note that this survey does not support the mania module.
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 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 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 whether he/she was screened into the agoraphobia module or not. Note that this survey does not support the Agoraphobia module.
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

Variable name: SCRBFGAD
Based on: SCRB_26, SCRB_26A, SCRB_26B
Previous usage: None
Description: This variable classifies the respondent based whether he/she was screened into the generalized anxiety module or not.
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 general anxiety disorder module.
2	SCRB_26 = 2 and SCRB_26A = 2 and SCRB_26B = 2	Respondent was not screened into the general anxiety disorder 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.

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-IIIR 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/
Composite International Diagnostic Interview (CIDI): 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. |

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/
Composite International Diagnostic Interview (CIDI): 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/
Composite International Diagnostic Interview (CIDI): 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-IIIR. 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 DEPBD3AY	Duration	12 - 17
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.

Note: For the purposes of the documentation relevant to the Canadian Forces 2002 Canadian Community Health Survey Supplement (mental health), the derived variables and algorithms related to the mental conditions/problems were developed as part of CCHS 1.2. In order to be consistent, some of the documentation relevant to the Canadian Forces 2002 Canadian Community Health Survey Supplement refers to CCHS 1.2.

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 CCHS 1.2/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	Respondent has a non-response

	DEPBDA2 = NS	(not stated) value in one of the derived variables required for calculation.

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, DEPBD664
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: DEPBD664
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 of 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 DEPBD664	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 DEPBD664 = 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 DEPBD664 = 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 DEPBD664 = 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.

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.

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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, DEPBD667, 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 DEPBD667 = 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 DEPBD667 = 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 (DEPBD667 = 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.

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 r 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).

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	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,	DEPBDDPS = 1 and	The respondent's age at first major

DEPB_37A, DEPB_37B) (min: 0; max: Current age)	DEPB_22 = 1 and (DEPB_22A < 996 or DEPB_37A < 996 or DEPB_37B < 996)	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: DEPBDPER
Based on: DEPBD22Y, DEPBD23Y, DEPBD7CY, DEPBD8AY, DEPBD8BY, DEPBD39Y, 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 DEPBDPER	Condition(s)	Explanation
NA	(DEPBDDPS = 2)	Respondent does not meet the CCHS 1.2/WMH-CIDI criteria for major depressive episode.
NS	DEPBD39Y = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.
Maximum of (DEPBD22Y, DEPBD23Y, DEPBD7CY, DEPBD8AY, DEPBD8BY, DEPBD39Y) of those that are < NA (min: 0; max: current age)	DEPBDDPS = 1 and (DEPBD22Y < NA or DEPBD23Y < NA or DEPBD7CY < NA or DEPBD8AY < NA or DEPBD8BY < NA or DEPBD39Y < NA)	Duration of the respondent's longest major depressive episode (in years).
NS	DEPBDDPS = NS or DEPBD22Y = NS or DEPBD23Y = NS or DEPBD7CY = NS or DEPBD8AY = NS or DEPBD8BY = NS or DEPBD39Y = 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.

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	Respondent meets CCHS 1.2/WMH-CIDI Criterion C of past 12 month major depressive episode. Respondent reported clinically significant distress or impairment in

	(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)	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 (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)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

24) Major Depressive Episode, Past 12-Months Algorithm

Variable name: DEPBDDY
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 DEPBDDY	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: DEPB_A, DEPB_A1
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	DEPB_A = 1 or DEPB_A1 = 1	Respondent seriously thought about committing suicide during their lifetime.
2	DEPB_A1 = 2	Respondent never seriously thought about committing suicide. Note: if DEPB_A = 2 then DEPB_A1 asked
NS	(DEPB_A1 = 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: DEPBFSYT
Based on: DEPB_A1A, DEPB_A1B, 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 IMPBFSYT. For more information, see the User Guide.

Value of DEPBFSYT	Condition(s)	Explanation
1	DEPB_A1A = 1 or DEPB_A1B = 1	Respondent seriously thought about committing suicide in the past 12 months.
2	DEPBFSLT = 2 or DEPB_A1A = 2 or DEPB_A1B = 2	Respondent did not seriously think about committing suicide in the past 12 months.
NS	(DEPB_A1A = DK, R, NS) or (DEPB_A1B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
NS	DEPB_A1A = NA and DEPB_A1B = 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.
(DEPB_66A + DEPB_661 + DEPB_662 + DEPB_66C + DEPB_66D) / 5 (min: 0.0; max: 10.0) (round to .1)	DEPBDDY = 1 and 0 <= DEPB_66A <= 10 and 0 <= DEPB_661 <= 10 and 0 <= DEPB_662 <= 10 and 0 <= DEPB_66C <= 10 and 0 <= DEPB_66D <= 10	Interference = mean of all five items. Respondent answered all five questions.
(DEPB_66A + DEPB_662 + DEPB_66C + DEPB_66D) / 4 (min: 0.0; max: 10.0) (round to .1)	DEPBDDY = 1 and DEPB_661 = 11 and 0 <= DEPB_662 <= 10 and 0 <= DEPB_66A <= 10 and 0 <= DEPB_66C <= 10 and 0 <= DEPB_66D <= 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).
(DEPB_66A + DEPB_661 + DEPB_66C + DEPB_66D) / 4 (min: 0.0; max: 10.0) (round to .1)	DEPBDDY = 1 and 0 <= DEPB_661 <= 10 and DEPB_662 = 11 and 0 <= DEPB_66A <= 10 and 0 <= DEPB_66C <= 10 and 0 <= DEPB_66D <= 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).
(DEPB_66A + DEPB_66C + DEPB_66D) / 3 (min: 0.0; max: 10.0) (round to .1)	DEPBDDY = 1 and DEPB_661 = 11 and DEPB_662 = 11 and 0 <= DEPB_66A <= 10 and 0 <= DEPB_66C <= 10 and 0 <= DEPB_66D <= 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 jot 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.

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-IIIR. 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.

Note: For the purposes of the documentation relevant to the Canadian Forces 2002 Canadian Community Health Survey Supplement (mental health), the derived variables and algorithms related to the mental conditions/problems were developed as part of CCHS 1.2. In order to be consistent, some of the documentation relevant to the Canadian Forces 2002 Canadian Community Health Survey Supplement refers to CCHS 1.2.

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;

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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 (parasthesias) 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 parasthesias.
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, PADBDB08, PADBDB09, PADBDB10, PADBDB11, PADBDB12, PADBDB13, PADBDB14) = 1	Respondent meets CCHS 1.2/WMH-CIDI Lifetime Criterion B. Respondent reported four or more 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: PADBDDAA, PADBDDAB, PADBDDAC
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, 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 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	PADBDDY = 2	Respondent did not meet the criteria for 12-month panic disorder.
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.
(PADB_44A + PADB_441 + PADB_442 + PADB_44C + PADB_44D) / 5 (min: 0.0; max: 10.0) (round to .1)	PADBDDY = 1 and 0 <= PADB_441 <= 10 and 0 <= PADB_442 <= 10 and 0 <= PADB_44A <= 10 and 0 <= PADB_44C <= 10 and 0 <= PADB_44D <= 10	Interference = mean of all five items. Respondent answered all five questions.
(PADB_44A + PADB_442 + PADB_44C + PADB_44D) / 4 (min: 0.0; max: 10.0) (round to .1)	PADBDDY = 1 and PADB_441 = 11 and 0 <= PADB_442 <= 10 and 0 <= PADB_44A <= 10 and 0 <= PADB_44C <= 10 and 0 <= PADB_44D <= 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).
(PADB_44A + PADB_441 + PADB_44C + PADB_44D) / 4 (min: 0.0; max: 10.0) (round to .1)	PADBDDY = 1 and 0 <= PADB_441 <= 10 and PADB_442 = 11 and 0 <= PADB_44A <= 10 and 0 <= PADB_44C <= 10 and 0 <= PADB_44D <= 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).
(PADB_44A + PADB_44C + PADB_44D) / 3 (min: 0.0; max: 10.0) (round to .1)	PADBDDY = 1 and PADB_441= 11 and PADB_442 = 11 and 0 <= PADB_44A <= 10 and 0 <= PADB_44C <= 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 school and did not have a job

	0 <= PADB_44D <= 10	within the past 12 months.).

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-IIIR. 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 <u>lifetime criteria</u> 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 <u>12-month criteria</u> 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.

Note: For the purposes of the documentation relevant to the Canadian Forces 2002 Canadian Community Health Survey Supplement (mental health), the derived variables and algorithms related to the mental conditions/problems were developed as part of CCHS 1.2. In order to be consistent, some of the documentation relevant to the Canadian Forces 2002 Canadian Community Health Survey Supplement refers to CCHS 1.2.

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.\n\nRespondent 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.\n\nRespondent 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, S0PBD09, 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: S0PBD09
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 S0PBD09	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	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.

	(SOPB_09K = DK, R, NS) or (SOPB_09L = DK, R, NS) or (SOPB_09M = DK, R, NS) or (SOPBT9NO = DK, R, NS)	

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 5 <= SOPB_21D <= 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 <= 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	Respondent did not answer

	(SOPB_18A = R, NS)	(refusal, not stated) at least one question required for calculation.

Temporary Reformats

Reformat	Explanation

If (SOPB_03A = NA, DK, R, NS) then SOPRQ3A = missing
If (SOPB_03B = NA, DK, R, NS) then SOPRQ3B = missing
If (SOPB_06A = NA, DK, R, NS) then SOPRQ6A = missing
If (SOPB_18A = NA, DK, R, NS) then SOPRQ18A = missing
If (SOPB_25A = NA, DK, R, NS) then SOPRQ25A = missing
If (SOPB_36A = NA, DK, R, NS) then SOPRQ36A = missing
If (SOPB_39A = NA, DK, R, NS) then SOPRQ39A = missing
If (SOPB_18 = 1, 2, 3) then SOPRQ18A = 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}	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion F, Part 2. Respondent did not report that the

| | Minimum of (SOPRQ03A, SOPRQ03B, SOPRQ06A, SOPRQ18A, SOPRQ25A, SOPRQ36A, SOPRQ39A) = 0 or (SOPRQ03A = NA and SOPRQ03B = NA and SOPRQ06A = NA and SOPRQ18A = NA) | 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-CIDIdiagnostic 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.

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.
(SOPB_21A + SOPB_211 + SOPB_212 + SOPB_21C + SOPB_21D) / 5 (min : 0.0; max : 10.0) (round to .1)	SOPBDPY = 1 and 0 <= SOPB_211 <= 10 and 0 <= SOPB_212 <= 10 and 0 <= SOPB_21A <= 10 and 0 <= SOPB_21C <= 10 and 0 <= SOPB_21D <= 10	Interference = mean of all five items. Respondent answered all five questions.
(SOPB_21A + SOPB_212 + SOPB_21C + SOPB_21D) / 4 (min : 0.0; max : 10.0) (round to .1)	SOPBDPY = 1 and SOPB_211 = 11 and 0 <= SOPB_212 <= 10 and 0 <= SOPB_21A <= 10 and 0 <= SOPB_21C <= 10 and 0 <= SOPB_21D <= 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).
(SOPB_21A + SOPB_211 + SOPB_21C + SOPB_21D) / 4 (min : 0.0; max : 10.0) (round to .1)	SOPBDPY = 1 and 0 <= SOPB_211 <= 10 and SOPB_212 = 11 and 0 <= SOPB_21A <= 10 and 0 <= SOPB_21C <= 10 and 0 <= SOPB_21D <= 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).
(SOPB_21A + SOPB_21C + SOPB_21D) / 3 (min : 0.0; max : 10.0) (round to .1)	SOPBDPY = 1 and SOPB_211 = 11 and SOPB_212 = 11 and 0 <= SOPB_21A <= 10 and 0 <= SOPB_21C <= 10 and 0 <= SOPB_21D <= 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.

Generalized Anxiety Disorder (29 DVs)

For the purpose of CCHS 1.2 – Mental Health and Well-being, Generalized Anxiety Disorder (GAD) is characterised by a pattern of frequent, persistent worry and anxiety about several events or activities during at least a 6-month period. Symptoms of Generalized Anxiety Disorder include: restlessness or feeling keyed up or on the edge; being easily fatigued; difficulty concentrating; irritability; muscle tension, shakiness, headaches; sleep disturbance (difficulty falling asleep or staying asleep; or restless, unsatisfying sleep); excessive sweating, palpitations, shortness of breath, and various gastrointestinal symptoms.

The questions on Generalized Anxiety Disorder 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-IIIR. 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. Generalized anxiety disorder 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 Generalized Anxiety Disorder, the variables of primary interest are:

Variable	Concept	Variable Number
GADBDGDS	Lifetime algorithm	10
GADBDDY	Past 12-month algorithm	23
GADBDON	Onset	17
GADBDREC	Recency	18
GADBD05Y GADBD7BY GADBD74Y GADBD77Y GADBD30Y	Duration	11 12 13 14 15

GADBD31Y		16
GADBDINT	Past 12-month interference	24

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.

Note: For the purposes of the documentation relevant to the Canadian Forces 2002 Canadian Community Health Survey Supplement (mental health), the derived variables and algorithms related to the mental conditions/problems were developed as part of CCHS 1.2. In order to be consistent, some of the documentation relevant to the Canadian Forces 2002 Canadian Community Health Survey Supplement refers to CCHS 1.2.

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

1) excessive anxiety and worry and anxiety about at least two different events or activities that lasted at least six months;
2) finding it difficult to control the worry;
3) the anxiety and the worry were associated with three or more of the symptoms associated with anxiety; and
4) the anxiety, worry, or physical symptoms caused clinically significant distress or significant impairment in social, occupational, or other important areas of functioning.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI 12-month criteria associated with generalized anxiety disorder:
1) meeting the criteria for lifetime Generalized Anxiety Disorder;

2) having an episode of generalized anxiety lasting at least six months in the 12 months prior to the interview; and
3) clinically significant distress or impairment in social, occupational or other important areas of functioning.

Generalized Anxiety Disorder – Lifetime

1)   Generalized Anxiety Disorder - Lifetime Criterion A, Part 1

Variable name: GADBDA1
Based on: SCRB_26, SCRB_26A, SCRB_26B, GADB_03
Previous Usage: none
Description: This variable identifies respondents who reported excessive anxiety and worry at some point in their life. Respondents who meet this CCHS 1.2/WMH-CIDI criterion reported having a period when they were a "worrier" or were much more nervous or anxious than most other people or were anxious and worried most days. They also felt their feelings were excessive or unreasonable.

Value of GADBDA1	Condition(s)	Explanation
1	(SCRB_26 = 1 or SCRB_26A = 1 or SCRB_26B = 1) and GADB_03 = 1	Respondent meets lifetime Criterion A, part 1. Respondent reported excessive anxiety or worry.
2	(SCRB_26 = 2, NA) and (SCRB_26A = 2, NA) and (SCRB_26B = 2, NA) or (GADB_03 = 2, NA)	Respondent does not meet lifetime Criterion A, part 1. Respondent did not report excessive anxiety and worry.
NS	(SCRB_26 = DK, R, NS) or (SCRB_26A = DK, R, NS) or (SCRB_26B = DK, R, NS) or (GADB_03 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

2)   Generalized Anxiety Disorder - Lifetime Criterion A, Part 2

Variable name: GADBDA2
Based on: GADB_05, GADB_05A, GADB_05B, GADB_05C
Previous Usage: none
Description: This variable identifies respondents who reported having a period of worry or anxiety that lasted at least six months.

Value of GADBDA2	Condition(s)	Explanation
1	(6 <= GADB_05A < NA) or (1 <= GADB_05B < NA) or (GADB_05C = 1)	Respondent meets CCHS 1.2/WMH-CIDI Criterion A, part 2. Respondent reported six months or more of worry or anxiety.
2	(GADB_05 = NA and GADB_05C = NA) or (0 <= GADB_05A < 6) or (GADB_05C = 2)	Respondent does not meet CCHS 1.2/WMH-CIDI Criterion A, part 2. Respondent reported fewer than six months of worry or anxiety. Note: GADB_05B is not included

		because the minimum is 1 year.
NS	(GADB_05 = R, NS) or (GADB_05A = R, NS) or (GADB_05B = R, NS) or (GADB_05C = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation. Note: DK excluded from GADB_05, GADB_05A and GADB_05B because DK skips to GADB_05C for these variables.

3)   Generalized Anxiety Disorder - Lifetime Criterion A, Part 3

Variable name: GADBDA3
Based on: GADB_01A, GADB_01B, GADB_01C, GADB_01D, GADB_01E, GADB_01F, GADB_01G, GADB_01H, GADB_01I, GADB_01J, GADB_01K, GADB_01L, GADB_01M, GADB_01N, GADB_01O, GADB_01P, GADB_01Q, GADB_01R, GADB_01S, GADB_01T, GADB_01U, GADB_01V, GADB_01W, GADB_01X, GADB_01Y, GADB_02A, GADB_02B
Previous Usage: none
Description: This variable identifies respondents who reported anxiety about a number of events or activities (such as work performance). Respondents who meet lifetime CCHS 1.2/WMH-CIDI Criterion A, part 3 reported worrying about at least two different events or activities.

Value of GADBDA3	Condition(s)	Explanation
1	At least two of: (GADB_01A through GADB_01Y = 1) or GADB_02A = 1 or GADB_02B = 1	Respondent meets Criterion A, part 3. Respondent reported anxiety or worry about at least two different events or activities.
2	At least 26 of: (GADB_01A through GADB_01Y = 2) or GADB_02A = 2 or (GADB_02B = 2, NA) or GADB_01A = NA	Respondent does not meet Criterion A, part 3. Respondent did not report anxiety about at least two different events or activities. Note: Because GADB_02B is skipped if GADB_02A is No, NA is added to "No" coding for GADB_02B.
NS	(GADB_01A = DK, R, NS) or (GADB_02A = DK, R, NS) or (GADB_02B = DK, R, NS)	Respondent did not answer (don't know, refuse, not stated) at least one question required for calculation. Note: Because GADB_01 is a mark all format, if GADB_01A is DK or R, GADB_01B to GADB_01Y will be DK or R.

4)   Generalized Anxiety Disorder - Lifetime Criterion A (Parts 1, 2, 3 combined)

Variable name: GADBDA
Based on: GADBDA1, GADBDA2, GADBDA3
Previous Usage: none
Description: This variable assesses generalized anxiety disorder lifetime CCHS 1.2/WMH-CIDI criterion A and identifies respondents who reported:
1) excessive anxiety or worry; and
2) the anxiety or worry lasted at least six months; and
3) that they were anxious or worried about at least two different events or activities.

Value of GADBDA	Condition(s)	Explanation
1	GADBDA1 = 1 and GADBDA2 = 1 and GADBDA3 = 1	Respondent meets lifetime Criterion A.
2	GADBDA1 = 2 or GADBDA2 = 2 or GADBDA3 = 2	Respondent does not meet lifetime Criterion A.
NS	GADBDA1 = NS or GADBDA2 = NS or GADBDA3 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

5)   Generalized Anxiety Disorder - Lifetime Criterion B

Variable name: GADBDB
Based on: GADB_04
Previous Usage: none
Description: This variable identifies respondents who reported finding it difficult to control the worry.

Value of GADBDB	Condition(s)	Explanation
1	(GADB_04 = 1, 2)	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion B. Respondent reported finding it difficult to control the worry.
2	(GADB_04 = 3, 4, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion B. Respondent did not report finding it difficult to control the worry.
NS	(GADB_04 = DK, R, NS)	Respondent did not answer (don't know, refuse, not stated) at least one question required for calculation.

6)   Generalized Anxiety Disorder - Lifetime Criterion C

Variable name: GADBDC
Based on: GADB_09A, GADB_09B, GADB_09C, GADB_09D, GADB_09E, GADB_09F
Previous Usage: none
Description: This variable identifies respondents who reported three or more of six symptoms associated with anxiety. The symptoms are:
    1)   restlessness or feeling keyed up or on edge;
    2)   being easily fatigued;
    3)   difficulty concentrating or mind going blank;
    4)   irritability;
    5)   muscle tension;
    6)   sleep disturbance.

Value of GADBDC	Condition(s)	Explanation
1	At least three of: (GADB_09A, GADB_09B, GADB_09C, GADB_09D, GADB_09E, GADB_09F = 1)	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion C. Respondent reported at least three of six symptoms associated with anxiety.
2	At least four of: (GADB_09A = 2, NA) or (GADB_09B = 2, NA) or (GADB_09C = 2, NA) or (GADB_09D = 2, NA) or (GADB_09E = 2, NA) or (GADB_09F = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion C. Respondent did not report at least three symptoms associated with anxiety.
NS	(GADB_09A = DK, R, NS) or (GADB_09B = DK, R, NS) or (GADB_09C = DK, R, NS) or (GADB_09D = DK, R, NS) or (GADB_09E = DK, R, NS) or (GADB_09F = DK, R, NS)	Respondent did not answer (don't know, refuse, not stated) at least one question required for calculation.

7)   Generalized Anxiety Disorder - Lifetime Criteria D

Variable name: GADBDD
Based on: GADB_01A, GADB_01B, GADB_01C, GADB_01D, GADB_01E, GADB_01F, GADB_01G, GADB_01H, GADB_01I, GADB_01J, GADB_01N, GADB_01T, GADB_01U, GADB_01V, GADB_01W, GADB_01X, GADB_01Y, GADB_02A, GADB_02B
Previous Usage: none
Description: This variable identifies respondents who reported the focus of the anxiety and worry is not confined to features of an Axis 1 disorder. For example, the worry is not only about having a panic attack, being embarrassed in public (as in Social Phobia), being away from home or close relatives (as in Separation Anxiety Disorder), being contaminated (as in Obsessive-Compulsive disorder), gaining weight (as in Anorexia Nervosa), having multiple physical complaints (as in Somatization Disorder), or having a serious illness (as in Hypochondriasis). Respondents who reported that all their worry was related to their own mental health, alcohol or drug use, being away from home or apart from loved ones, social phobias, agoraphobia, specific phobias, obsessions, or compulsions failed to meet lifetime Criteria D.
Note: Responses to GADB_01Y, GADB_02A, and GADB_02B were first edited to exclude any worries related to Axis I mental health problems.

Value of GADBDD	Condition(s)	Explanation
1	GADB_01A = 1 or GADB_01B = 1 or GADB_01C = 1 or GADB_01D = 1 or GADB_01E = 1 or GADB_01F = 1 or GADB_01G = 1 or GADB_01H = 1 or GADB_01I = 1 or GADB_01J = 1 or GADB_01N = 1 or GADB_01T = 1 or GADB_01U = 1 or GADB_01V = 1 or GADB_01W = 1 or GADB_01X = 1 or GADB_01Y = 1 or GADB_02A = 1 or GADB_02B = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criteria D. Respondent reported at least one worry that was unrelated to an Axis 1 disorder.
2	GADB_01A = 2 and GADB_01B = 2 and GADB_01C = 2 and GADB_01D = 2 and GADB_01E = 2 and GADB_01F = 2 and GADB_01G = 2 and GADB_01H = 2 and GADB_01I = 2 and GADB_01J = 2 and GADB_01N = 2 and GADB_01T = 2 and GADB_01U = 2 and GADB_01V = 2 and GADB_01W = 2 and GADB_01X = 2 and GADB_01Y = 2 and GADB_02A = 2 or GADB_01A = NA	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criteria D. Respondent did not report at least one worry that was unrelated to an Axis I disorder. Note: GADB_92B is skipped if GADB_02A = 2.
NS	(GADB_01A = DK, R, NS) or (GADB_02A = DK, R, NS) or (GADB_02B = DK, R, NS)	Respondent did not answer (don't know, refuse, not stated) at least one question required for calculation

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8)   Generalized Anxiety Disorder - Lifetime Criterion E, Part 1

Variable name: GADBDE1
Based on: GADB_15, GADB_16
Previous Usage: none
Description: This variable identifies respondents who reported experiencing clinically significant distress as a result of their anxiety, worry, or physical symptoms.

Value of GADBDE1	Condition(s)	Explanation
1	(GADB_15 = 3, 4, 5) or (GADB_16 = 1, 2)	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion E. Respondent reported clinically significant distress.
2	(GADB_15 = 1, 2, NA) and (GADB_16 = 3, 4, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion E. Respondent did not report clinically significant distress.
NS	(GADB_15 = DK, R, NS) or (GADB_16 = DK, R, NS)	Respondent did not answer (don't know, refuse, not stated) at least one question required for calculation.

9)   Generalized Anxiety Disorder - Lifetime Criterion E, Part 2

Variable name: GADBDE2
Based on: GADB_17, GADB_17A, GADBD384, GADB_40, GADB_59
Previous Usage: none
Description: This variable identifies respondents who reported the anxiety, worry, or physical symptoms caused significant impairment in social, occupational, or other important areas of functioning.

9a) Social or occupational interference

Variable name: GADBD384
Based on: GADB_38A, GADB_381, GADB_382, GADB_38C, GADB_38D
Previous Usage: none
Description: This variable identifies whether, during the period of a month of longer in the 12 months prior to the interview when the symptoms were most severe, the respondent's feelings of anxiety significantly interfered with their home responsibilities, responsibilities at school or work, or social relationships.

Value of GADBD384	Condition(s)	Explanation
1	4 <= GADB_38A <= 10 or 4 <= GADB_381 <= 10 or 4 <= GADB_382 <= 10 or 4 <= GADB_38C <= 10 or 4 <= GADB_38D <= 10	The respondent experienced significant interference in home, work, or school responsibilities or in social relationships.
2	(0 <= GADB_38A <= 3 or GADB_38A = NA) and (0 <= GADB_381 <= 3 or (GADB_381 = 11, NA)) and (0 <= GADB_382 <= 3 or (GADB_382 = 11, NA)) and (0 <= GADB_38C <= 3 or GADB_38C = NA) and	The respondent did not experience significant interference with home, work, nor school responsibilities nor in social relationships.

	(0 <= GADB_38D <= 3 or GADB_38D = NA)	
NS	(GADB_38A = DK, R, NS) or (GADB_381 = DK, R, NS) or (GADB_382 = DK, R, NS) or (GADB_38C = DK, R, NS) or (GADB_38D = DK, R, NS)	Respondent did not answer (don't know, refuse, not stated) at least one question required for calculation.

Assessing Criterion E, part 2:

Value of GADBDE2	Condition(s)	Explanation
1	(GADB_17 = 3, 4, 5) or (GADB_17A = 1, 2, 3) or GADBD384 = 1 or 5 <= GADB_40 <= 365 or GADB_59 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion E, Part 2. Respondent reported the symptoms caused impairment in social, occupational or other important areas of functioning.
2	(GADB_17 = 1, 2, NA) and (GADB_17A = 4, NA) and GADBD384 = 2 and (0 <= GADB_40 < 5 or GADB_40 = NA) and (GADB_59 = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion E, Part 2. Respondent did not report impairment in social, occupational nor other important areas of functioning.
NS	(GADB_17 = DK, R. NS) or (GADB_17A = DK, R, NS) or GADBD384 = NS or (GADB_40 = DK, R, NS) or (GADB_59 = 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 stated) at least one question required for calculation.

10) Generalized Anxiety Disorder - Lifetime Criterion E (Parts 1 and 2 combined)

Variable name: GADBDE
Based on: GADBDE1, GADBDE2
Previous Usage: none
Description: This variable identifies who reported that their anxiety, worry, or physical symptoms caused:
1) clinically significant distress; or
2) significant impairment in social, occupational, or other important areas of functioning.

Value of GADBDE	Condition(s)	Explanation
1	GADBDE1 = 1 or GADBDE2 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion E. Respondent reported that their anxiety caused clinically significant distress or significant impairment in social, occupational, or other important areas of functioning.
2	(GADBDE1 = 2, NA) and (GADBDE2 = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion E. Respondent did not report that

		their anxiety caused clinically significant distress, nor significant impairment in social, occupational, nor other important areas of functioning.
NS	GADBDE1 = NS or GADBDE2 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

11) Generalized Anxiety Disorder - Lifetime Algorithm

Variable name: GADBDGDS
Based on: GADBDA, GADBDB, GADBDC, GADBDD, GADBDE
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 Generalized Anxiety Disorder. Respondent who meet the criteria reported:
1) excessive anxiety and worry and anxiety about at least two different events or activities that lasted at least six months;
2) finding it difficult to control the worry;
3) the anxiety and the worry were associated with three or more of the symptoms associated with anxiety;
4) the focus of the anxiety and worry was not confined to features of an Axis 1 disorder; and
5) the anxiety, worry, or physical symptoms caused clinically significant distress or significant impairment in social, occupational, or other important areas of functioning.

Value of GADBDGDS	Condition(s)	Explanation
1	GADBDA = 1 and GADBDB = 1 and GADBDC = 1 and GADBDD = 1 and GADBDE = 1	Respondent meets all CCHS 1.2/WMH-CIDI criteria for lifetime Generalized Anxiety Disorder.
2	GADBDA = 2 or GADBDB = 2 or GADBDC = 2 or GADBDD = 2 or GADBDE = 2	Respondent does not meet all CCHS 1.2/WMH-CIDI criteria for lifetime Generalized Anxiety Disorder.
NS	GADBDA = NS or GADBDB = NS or GADBDC = NS or GADBDD = NS or GADBDE = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

12) Duration of Longest Generalized Anxiety Episode (in years)

Variable name: GADBD05Y
Based on: GADB_05, GADB_05A, GADB_05B
Previous Usage: none
Description: This variable identifies the length of the respondent's longest episode of generalized anxiety (in years).

Value of GADBD05Y	Condition(s)	Explanation
NA	GADB_05 = NA	Respondent was not asked the questions required for calculation.
NS	(GADB_05 = DK, R, NS) or (GADB_05A = DK, R, NS) or (GADB_05B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in GADB_05A / 12 (round to .01)	GADB_05 = 1	Length of respondent's longest episode generalized anxiety (in years).
Value in GADB_05B	GADB_05 = 2	Length of respondent's longest episode generalized anxiety (in years).

13) Number of Months With Generalized Anxiety Episode in Past 12 Months (in years)

Variable name: GADBD7BY
Based on: GADB_27B
Previous Usage: none
Description: This variable identifies how many months in the past 12 months the respondent experienced an episode of generalized anxiety (in years).

Value of GADBD7BY	Condition(s)	Explanation
NA	GADB_27B = NA	Respondent was not asked the questions required for calculation.
NS	(GADB_27B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
Value in GADB_27B / 12 (rounded to .01)	1 <= GADB_27B <= 12	Number of months in past 12 months respondent experienced an episode of generalized anxiety (in years).

14) Duration of Single Past 12-Month Generalized Anxiety Episode (in years)

Variable name: GADBD74Y
Based on: GADB_274, GADB_74A, GADB_74B, GADB_74C, GADB_74D
Previous Usage: none
Description: This variable identifies the length of the respondent's generalized anxiety episode occurring in the 12 months prior to interview when a single episode was reported for the previous year.

Value of GADBD74Y	Condition(s)	Explanation
NA	GADB_274 = NA	Respondent was not asked the questions required for calculation.
NS	(GADB_274 = DK, R, NS) or (GADB_74A = DK, R, NS) or (GADB_74B = DK, R, NS) or (GADB_74C = DK, R, NS) or (GADB_74D = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in GADB_274A/ 365 (round to .01)	GADB_274 = 1	Length of respondent's 12 months generalized anxiety episode (in years).
Value in GADB_274B/ 52 (round to .01)	GADB_274 = 2	Length of respondent's 12 months generalized anxiety episode (in years).
Value in GADB_274C/ 12 (round to .01)	GADB_274 = 3	Length of respondent's 12 months generalized anxiety episode (in years).
Value in GADB_274D	GADB_274 = 4	Length of respondent's 12 month generalized anxiety episode (in years).

15) Duration of First of Past 12-Month Generalized Anxiety Episodes (in years)

Variable name: GADBD77Y
Based on: GADB_277, GADB_77A, GADB_77B, GADB_77C, GADB_77D
Previous Usage: none
Description: This variable identifies the length of the respondent's first generalized anxiety episode occurring in the 12 months prior to interview when two episodes were reported for the previous year.

Value of GADBD77Y	Condition(s)	Explanation
NA	GADB_277 = NA	Respondent was not asked the questions required for calculation.
NS	(GADB_277 = DK, R, NS) or (GADB_77A = DK, R, NS) or (GADB_77B = DK, R, NS) or (GADB_77C = DK, R, NS) or (GADB_77D = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in GADB_277A/ 365 (round to .01)	GADB_277 = 1	Length of respondent's first 12-month generalized anxiety episode (in years).
Value in GADB_277B/ 52 (round to .01)	GADB_277 = 2	Length of respondent's first 12-month generalized anxiety episode (in years).
Value in GADB_277C/ 12 (round to .01)	GADB_277 = 3	Length of respondent's first 12 -onth generalized anxiety episode (in years).

Value in GADB_277D	GADB_277 = 4	Length of respondent's first 12-month generalized anxiety episode (in years).

16) Duration of Single Generalized Anxiety Episode (in years)

Variable name: GADBD30Y
Based on: GADB_30, GADB_30A, GADB_30B, GADB_30C, GADB_30D
Previous Usage: none
Description: This variable identifies the length of the respondent's only generalized anxiety episode.

Value of GADBD30Y	Condition(s)	Explanation
NA	GADB_30 = NA	Respondent was not asked the questions required for calculation.
NS	(GADB_30 = DK, R, NS) or (GADB_30A = DK, R, NS) or (GADB_30B = DK, R, NS) or (GADB_30C = DK, R, NS) or (GADB_30D = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in GADB_30A/ 365 (round to .01)	GADB_30 = 1	Length of respondent's only generalized anxiety episode (in years).
Value in GADB_30B/ 52 (round to .01)	GADB_30 = 2	Length of respondent's only generalized anxiety episode (in years).
Value in GADB_30C/ 12 (round to .01)	GADB_30 = 3	Length of respondent's only generalized anxiety episode (in years).
Value in GADB_30D	GADB_30 = 4	Length of respondent's only generalized anxiety episode (in years).

17) Duration of Longest Generalized Anxiety Episode (in years)

Variable name: GADBD31Y
Based on: GADB_31, GADB_31A, GADB_31B, GADB_31C, GADB_31D
Previous Usage: none
Description: This variable identifies the length of the respondent's longest generalized anxiety episode.
Note: This variable is calculated only for respondents who reported more than one lifetime episode of generalized anxiety.

Value of GADBD31Y	Condition(s)	Explanation
NA	GADB_31 = NA	Respondent was not asked the questions required for calculation.
NS	(GADB_31 = DK, R, NS) or (GADB_31A = DK, R, NS) or (GADB_31B = DK, R, NS) or (GADB_31C = DK, R, NS) or (GADB_31D = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in GADB_31A/ 365 (round to .01)	GADB_31 = 1	Length of respondent's longest generalized anxiety episode (in years).

Value in GADB_31B/ 52 (round to .01)	GADB_31 = 2	Length of respondent's longest generalized anxiety episode (in years).
Value in GADB_31C/ 12 (round to .01)	GADB_31 = 3	Length of respondent's longest generalized anxiety episode (in years).
Value in GADB_31D	GADB_31 = 4	Length of respondent's longest generalized anxiety episode (in years).

18) Generalized Anxiety Disorder– Age of Onset

Variable name: GADBDON
Based on: GADBDGDS, GADB_26, GADB_26A, GADB_26B
Previous Usage: none
Description: This variable identifies the age when the respondent first started having episodes associated with Generalized anxiety disorder. This variable is only calculated for respondents who meet the lifetime CCHS 1.2/WMH-CIDI criteria for Generalized Anxiety Disorder.

Value of GADBDON	Condition(s)	Explanation
Value of GADB_26A	GADBDGDS = 1 and GADB_26 = 1 and GADB_26A < NA	The respondent's age at first episode of generalized anxiety.
Value of GADB_26B	GADBDGDS = 1 and (GADB_26 = 2, DK, R, NS) and GADB_26B < NA	The respondent's age at first episode of generalized anxiety.
NA	GADBDGDS = 2 or GADB_26 = NA	Respondent does not meet the lifetime criteria for Generalized Anxiety Disorder or was not asked the questions required for calculation.
NS	GADBDGDS = NS or (GADB_26A = DK, R, NS) or (GADB_26B = 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 stated) at least one question required for calculation.

Temporary Reformats

Reformats	Explanation

If (GADB_26A = NA, DK, R, NS) then GAD_26AT = missing
 If (GADB_26B = NA, DK, R, ND) then GAD_26BT = missing
 Ifi (GADB_27C = NA, DK, R, ND) then GAD_27CT = missing
	Recode all non-response to missing

19) Generalized Anxiety Disorder - Recency Age

Variable name: GADBDREC
Based on: GADBDGDS, GADB_26A, GADB_26B, GADB_27, GAD_27C, DHHB_AGE, GAD_RECT
Previous Usage: none
Description: This variable identifies respondent's age at the start of their most recent episode of Generalized anxiety disorder. This variable is only calculated for respondents who meet the lifetime CCHS 1.2/WMH-CIDI criteria for Generalized anxiety disorder.

Value of GADBDREC	Condition(s)	Explanation
Value of DHHB_AGE	GADBDGDS = 1 and GADB_27 = 1	Recency age is current age.
NA	GADBDGDS = 2	Respondent did not meet the criteria for lifetime Generalized Anxiety Disorder.
NS	(GADB_27C = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the intended "last episode" questions.
Maximum of (GAD_26AT, GAD_26BT, GAD_27CT)	GADBDGDS = 1 and (GADB_26A < NA or GADB_26B < NA or GADB_27C < NA)	Recency age is the most recent age reported of all episodes of generalized anxiety.
NS	GADBDGDS = NS or (GADB_26A = DK, R, NS) or (GADB_26B = DK, R, NS) or (GADB_27C = 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 stated) at least one question required for calculation.
NA	GADB_26A = NA and GADB_26B = NA and GADB_27C = NA	Respondent not asked the questions required for calculation.

Temporary Reformats

Reformat	Explanation

If (GADBD05Y = NA, DK, R, NS) then GADBD05YT = missing
If (GADBD74Y = NA, DK, R, NS) then GADBD74YT = missing
If (GADBD77Y = NA, DK, R, NS) then GADBD77YT = missing
If (GADBD7BY = NA, DK, R, NS) then GADBD7BYT = missing
If (GADBD30Y = NA, DK, R, NS) then GADBD30YT = missing
If (GADBD31Y = NA, DK, R, NS) then GADBD31YT = missing
	Recode all non-response to missing

20) Generalized Anxiety Disorder - Persistence of Generalized Anxiety (in years)

Variable name: GADBDPER
Based on: GADBDGDS, GAD_PERT, GADBD05Y, GADBD74Y, GADBD77Y, GADBD7BY, GADBD30Y, GADBD31Y
Previous Usage: none
Description: This variable identifies the respondent's longest episode of generalized anxiety. This variable is calculated only for respondents who meet the lifetime CCHS 1.2/WMH-CIDI criteria for Generalized Anxiety disorder.

Value of GADBDPER	Condition(s)	Explanation
NA	GADBDGDS = 2	Respondent did not meet the CCHS 1.2 WMH-CIDI criteria for lifetime Generalized anxiety disorder.
NS	GADBD05Y = NS and GADBD31Y = NS	Respondent did not answer (don't know, refusal, not stated) the intended "longest episode" questions.
Maximum duration of (GADBD05YT, GADBD74YT, GADBD77YT, GADBD7BYT, GADBD30YT, GADBD31YT) (round to .01)	GADBDGDS = 1 and at least one of (GADBD05YT, GADBD74YT, GADBD77YT, GADBD7BYT, GADBD30YT, GADBD31YT) is not missing	Persistence is the duration of the longest reported episode of generalized anxiety.
NS	GADBDGDS = NS or GADBD05Y = NS or GADBD74Y = NS or GADBD77Y = NS or GADBD7BY = NS or GADBD30Y = NS or GADBD31Y = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.
NA	GADBDGDS = 2 or GADBD05Y = NA or GADBD74Y = NA or GADBD77Y = NA or GADBD7BY = NA or GADBD30Y = NA or GADBD31Y = NA	Respondent was not asked the questions required for calculation.

Generalized Anxiety Disorder– Past 12 Months

21) Generalized Anxiety Disorder - Past 12 Months, Criterion A

Variable name: GADBDYA
Based on: GADBDGDS
Previous Usage: none
Description: This variable identifies respondents who meet the CCHS 1.2/WMH-CIDI criteria for lifetime Generalized Anxiety Disorder.

Value of GADBDYA	Condition(s)	Explanation
1	GADBDGDS = 1	Respondent meets 12 months Criterion A. Respondent met the CCHS 1.2/WMH-CIDI criteria for lifetime Generalized Anxiety Disorder.

2	GADBDGDS = 2	Respondent does not meet 12 months CCHS 1.2/WMH-CIDI Criterion A. Respondent did not meet the CCHS 1.2 WMH-CIDI criteria for lifetime Generalized Anxiety Disorder.
NS	(GADBDGDS = DK, R, NS)	Respondent has a non-response (not stated) value in the derived variable required for calculation.

22) Generalized Anxiety Disorder - Past 12 Months, Criterion B

Variable name: GADBDYB
Based on: GADB_27, GADB_26A, GADB_26B, GADB_27C, DHHB_AGE
Previous Usage: none
Description: This variable identifies respondents who reported having an episode of generalized anxiety disorder lasting at least 6 months in the 12 months prior to the interview.

Value of GADBDYB	Condition(s)	Explanation
1	GADB_27 = 1 or GADB_26A = DHHB_AGE or GADB_26B = DHHB_AGE or GADB_27C = DHHB_AGE	Respondent meets 12 months CCHS 1.2/WMH-CIDI Criterion B. Respondent reported having an episode of generalized anxiety in the 12 months prior to the interview.
2	(GADB_27 = 2, NA) and (GADB_26A < DHHB_AGE or GADB_26A = NA) and (GADB_26B < DHHB_AGE or GADB_26B = NA) and (GADB_27C < DHHB_AGE or GADB_27C = NA)	Respondent does not meet 12 month CCHS 1.2/WMH-CIDI Criterion B. Respondent did not report having an episode of generalized anxiety in the 12 months prior to the interview.
NS	(GADB_27 = DK, R, NS) or (GADB_26A = DK, R, NS) or (GADB_26B = DK, R, NS) or (GADB_27C = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

23) Generalized Anxiety Disorder - Past 12 Months, Criterion C

Variable name: GADBDYC
Based on: GADB_38A, GADB_381, GADB_382, GADB_38C, GADB_38D, GADB_40, GADB_58
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 GADBDYC	Condition(s)	Explanation
1	4 <= GADB_38A <= 10 or 4 <= GADB_381 <= 10 or 4 <= GADB_382 <= 10 or 4 <= GADB_38C <= 10 or 4 <= GADB_38D <= 10 or 5 <= GADB_40 <= 365 or GADB_58 = 1	Respondent meets 12 months 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	(0 <= GADB_38A <= 3 or GADB_38A = NA) and (0 <= GADB_381 <= 3 or (GADB_381 = 11, NA)) and (0 <= GADB_382 <= 3 or (GADB_381 = 11, NA)) and (0 <= GADB_38C <= 3 or GADB_38C = NA) and (0 <= GADB_38D <= 3 or GADB_38D = NA) and (0 <= GADB_40 <= 4 or GADB_40 = NA) and (GADB_58 = 2, NA)	Respondent does not meet 12 months 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	(GADB_38A = DK, R, NS) or (GADB_381 = DK, R, NS) or (GADB_382 = DK, R, NS) or (GADB_38C = DK, R, NS) or (GADB_38D = DK, R, NS) or (GADB_40 = DK, R, NS) or (GADB_58 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

24) Generalized Anxiety Disorder – Past 12 Months Algorithm

Variable name: GADBDDY
Based on: GADBDYA, GADBDYB, GADBDYC
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 Generalized Anxiety Disorder in the 12 months prior to the interview. Respondents who meet the criteria reported:
1) meeting the CCHS 1.2/WMH-CIDI criteria for lifetime Generalized Anxiety Disorder;
2) having an episode of generalized anxiety lasting at least six months 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 GADBDDY	Condition(s)	Explanation
1	GADBDYA = 1 and GADBDYB = 1 and GADBDYC = 1	Respondent meets all CCHS 1.2/WMH-CIDI criteria for 12 month Generalized Anxiety Disorder. Respondent reported (1) meet the CCHS 1.2/WMH-CIDI criteria for lifetime Generalized Anxiety Disorder; (2) having an episode of generalized anxiety lasting at least 6 months 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	GADBDYA = 2 or GADBDYB = 2 or GADBDYC = 2	Respondent does not meet all criteria for 12-month generalized anxiety disorder. Respondent did not report (1) meeting the CCHS 1.2/WMH-CIDI criteria for lifetime Generalized Anxiety Disorder; (2) having an episode of generalized anxiety lasting at least six months 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	GADBDYA = NS or GADBDYB = NS or GADBDYC = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

25) Generalized Anxiety Disorder Interference - Mean

Variable name: GADBDINT
Based on: GADB_38A, GADB_381, GADB_382, GADB_38C, GADB_38D, GADBDDY
Previous Usage: none.
Description: This variable describes the interference that generalized anxiety 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 12-month episode.

Value of GADBDINT	Condition(s)	Explanation
NA	GADBDDY = 2	Respondent did not meet the CCHS 1.2/WMH-CIDI criteria for a 12-month diagnosis of generalized anxiety disorder.
NS	GADB_38A = NA and GADB_381 = NA and GADB_382 = NA and GADB_38C = NA and GADB_38D = NA	Respondent reported having a generalized anxiety episode in the 12 months prior to the interview, but were not asked the interference questions due to an inconsistency in their reporting.
NS	GADBDDY = NS or (GADB_38A = DK, R, NS) or (GADB_381 = DK, R, NS) or (GADB_382 = DK, R, NS) or (GADB_38C = DK, R, NS) or (GADB_38D = 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 stated) at least one question required for calculation.
(GADB_38A + GADB_381 + GADB_382 + GADB_38C + GADB_38D) / 5 (min: 0.0; max: 10.0) (round to .1)	GADBDDY = 1 and 0 <= GADB_381 <= 10 and 0 <= GADB_382 <= 10 and 0 <= GADB_38A <= 10 and 0 <= GADB_38C <= 10 and 0 <= GADB_38D <= 10	Interference = mean of all five items. Respondent answered all five questions.
(GADB_38A + GADB_382 + GADB_38C + GADB_38D) / 4 (min: 0.0; max: 10.0) (round to .1)	GADBDDY = 1 and GADB_381 = 11 and 0<= GADB_382 <= 10 and 0 <= GADB_38A <= 10 and 0 <= GADB_38C <= 10 and 0 <= GADB_38D <= 10	Interference = mean of four items that applied to respondent. GADB_381 was not applicable (i.e., they did not attend school within the past 12 months).
(GADB_38A + GADB_381 + GADB_38C + GADB_38D) / 4 (min: 0.0; max: 10.0) (round to .1)	GADBDDY = 1 and 0 <= GADB_381 <= 10 and GADB_382 = 11 and 0 <= GADB_38A <= 10 and 0 <= GADB_38C <= 10 and 0 <= GADB_38D <= 10	Interference = mean of four items that applied to respondent. GADB_382 was not applicable (i.e., they did not have a job within the past 12 months).
(GADB_38A + GADB_38C + GADB_38D) / 3 (min: 0.0; max: 10.0) (round to .1)	GADBDDY = 1 and GADB_381=11 and GADB_382 = 11 and 0 <= GADB_38A <= 10 and 0 <= GADB_38C <= 10 and 0 <= GADB_38D <= 10	Interference = mean of three items that applied to respondent. GADB_381 and GADB_382 were not applicable (i.e., they did not attend school and did not have a job within the past 12 months).

26) Flag for Generalized Anxiety Disorder Interference

Variable name: GADBFINT
Based on: GADB_38A, GADB_381, GADB_382, GADB_38C, GADB_38D, GADBDDY
Previous Usage: none.
Description: This variable describes the interference that generalized anxiety disorder had on daily activities and responsibilities in the past 12 months. This is a classification that indicates whether generalized anxiety 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 12-month episode.

Value of GADBFINT	Condition(s)	Explanation
NA	GADBDDY = 2	Respondent did not meet the CCHS 1.2/WMH-CIDI criteria for 12-month generalized anxiety disorder.
NS	GADB_38A = NA and GADB_381 = NA and GADB_382 = NA and GADB_38C = NA and GADB_38D = NA	Respondent reported having a generalized anxiety episode in the 12 months prior to the interview, but were not asked the interference questions due to an inconsistency in their reporting.
1	GADBDDY = 1 and (4 <= GADB_38A <= 10 or 4 <= GADB_381 <= 10 or 4 <= GADB_382 <= 10 or 4 <= GADB_38C <= 10 or 4 <= GADB_38D <= 10)	Generalized anxiety disorder caused significant interference with the person's normal routine, occupational (academic) functioning, or social activities or relationships in the past 12 months.
2	GADBDDY = 1 and (0 <= GADB_38A <= 3 and (0 <= GADB_381 <= 3 or GADB_381 = 11) and (0 <= GADB_382 <= 3 or GADB_382 = 11) and 0 <= GADB_38C <= 3 and 0 <= GADB_38D <= 3)	Generalized anxiety 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	GADBDDY = NS or (GADB_38A = DK, R, NS) or (GADB_381 = DK, R, NS) or (GADB_382 = DK, R, NS) or (GADB_38C = DK, R, NS) or (GADB_38D = 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 stated) at least one question required for calculation.

Post-traumatic Stress Disorder (26 DVs)

For the purpose of CCHS 1.2 – Mental Health and Well-being, Post-traumatic Stress Disorder (PTSD) is a psychiatric illness that can occur following a traumatic event, in which there is the threat of injury or death to you or someone else. Symptoms of Post-traumatic Stress Disorder can be classified under three general categories:

1) Repeated reliving of the event, which disturbs day-to-day activity (recurrent distressing memories of the event; recurrent dreams of the event; flashback episodes, where the event seems to be recurring; bodily reactions to situations that remind them of the traumatic event);

2) Avoidance (inability to remember important aspects of the trauma; lack of interest in normal activities; feelings of detachment; sense of no future; emotional numbing, or feeling as though they don't care about anything; reduced expression of moods; staying away from places, people, or objects that remind them of the event);

3) Arousal (irritability or outbursts of anger; sleeping difficulties; difficulty concentrating; exaggerated response to things that startle them; hypervigilance).

The questions on Post-traumatic Stress Disorder 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-IIIR. 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. Post-traumatic stress disorder 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 Post-traumatic Stress Disorder, the variables of primary interest are:

Variable	Concept	Variable Number
PTSBDPDS	Lifetime algorithm	15
PTSBDDY	Past 12-month algorithm	24
PTSBDKBY	Duration	17
PTSBDINT	Past 12-month interference	25

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.

Note: For the purposes of the documentation relevant to the Canadian Forces 2002 Canadian Community Health Survey Supplement (mental health), the derived variables and algorithms related to the mental conditions/problems were developed as part of CCHS 1.2. In order to be consistent, some of the documentation relevant to the Canadian Forces 2002 Canadian Community Health Survey Supplement refers to CCHS 1.2.

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

1) exposure to a traumatic event in which the respondent experienced, witnessed, or was confronted with an event or events that involved actual or threatened death or serious injury, or a threat to physical integrity of self or others;
2) reacting to the traumatic event with intense fear, helplessness, or horror;
3) persistently experiencing the event through recurrent, distressing recollections, dreams, flashbacks, or intense psychological distress on exposure to reminders of the event;
4) persistent avoidance of stimuli associated with the trauma and numbing of general responsiveness;
5) persistent symptoms of increased arousal;
6) reactions lasted at least one month; and
7) reactions caused clinically significant distress or impairment in social, occupational, or other important areas of functioning.

For the purposes of this survey, respondents who experienced the following CCHS 1.2/WMH-CIDI <u>12-month criteria</u> associated with PTSD:
1) meeting the criteria for lifetime Post-traumatic stress disorder;
2) having reactions in the 12 months prior to the interview;
3) experiencing the event through recurrent distressing recollections, dreams, flashbacks, or physiological reactivity on exposure to reminders of the event in the 12 months prior to the interview;

4) persistent avoidance of stimuli associated with the trauma and numbing of general responsiveness in the 12 months prior to the interview; and

5) persistent symptoms of increased arousal in the 12 months prior to the interview.

Post-traumatic Stress Disorder – Lifetime

1)   Post-traumatic Stress Disorder - Lifetime Criterion A, Part 1

Variable name: PTSBDA1
Based on: PTSB_01, PTSB_02, PTSB_03, PTSB_04A
Previous Usage: None
Description: This variable identifies respondents who reported being exposed to a traumatic event in which the respondent experienced, witnessed, or was confronted with an event or events that involved actual or threatened death or serious injury, or a threat to the physical integrity of self or others.
Note: The variable determines whether any event was reported for either PTSB_03 or PTSB_04. Because PTSB_04 was "mark all applicable" response format, determining non-response for all.

Value of PTSBDA1	Condition(s)	Explanation
1	PTSB_01 = 1 and (PTSB_03 < NA or PTSB_04A = 1, 2)	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 1. Respondent reported being exposed to a traumatic event.
2	(PTSB_01 = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 1. Respondent did not report exposure to a traumatic event.
NS	(PTSB_01 = DK, R, NS) or (PTSB_02 = DK, R, NS) or (PTSB_03 = DK, R, NS) or (PTSB_04A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

2)   Post-traumatic Stress Disorder - Lifetime Criterion A, Part 2

Variable name: PTSBDA2
Based on: PTSB_F7, PTSB_F7A, PTSB_F7B, PTSB_F7C
Previous Usage: None
Description: This variable identifies respondents who reported that their response to their worst traumatic event involved intense fear, helplessness, or horror.

Value of PTSBDA2	Condition(s)	Explanation
1	PTSB_F7 = 1 or PTSB_F7A = 1 or PTSB_F7B = 1 or PTSB_F7C = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 2. Respondent reported that his/her response involved intense fear, helplessness, or horror.

| 2 | (PTSB_F7 = 2, NA) and (PTSB_F7A = 2, NA) and (PTSB_F7B = 2, NA) and (PTSB_F7C = 2, NA) | Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion A, Part 2.

Respondent did not report a response involving intense fear, helplessness, nor horror. |
| NS | (PTSB_F7 = DK, R, NS) or (PTSB_F7A = DK, R, NS) or (PTSB_F7B = DK, R, NS) or (PTSB_F7C = DK, R, NS) | Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation. |

3)   Post-traumatic Stress Disorder - Lifetime Criterion A (Parts 1, 2 combined)

Variable name: PTSBDA
Based on: PTSBDA1, PTSBDA2
Previous Usage: None
Description: This variable identifies respondents who reported:
  1) being exposed to a traumatic event in which the respondent experienced, witnessed, or was confronted with an event or events that involved actual or threatened death or serious injury, or a threat to physical integrity of self or others; and
  2) responding to their worst traumatic event with intense fear, helplessness, or horror.

Value of PTSBDA	Condition(s)	Explanation
1	PTSBDA1 = 1 and PTSBDA2 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion A. Respondent reported being exposed to a traumatic event and responding with intense fear, helplessness, or horror.
2	PTSBDA1 = 2 or PTSBDA2 = 2	Respondent does not meet the lifetime CCHS 1.2/WMH-CIDI Criterion A. Respondent did not report being exposed to a traumatic event or did not respondent with intense fear, helplessness, or horror.
NS	PTSBDA1 = NS or PTSBDA2 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

4)   Post-traumatic Stress Disorder - Lifetime Criterion B, Part 1

Variable name: PTSBDB1
Based on: PTSB_H6, PTSB_H7, PTSB_H8, PTSB_H9, PTSB_I0
Previous Usage: None
Description: This variable identifies respondents who reported that the traumatic event was experienced in one or more of the following ways: recurrent and intrusive distressing recollections of the event; recurrent, distressing dreams of the event; acting or feeling as if the traumatic event were recurring, such as flashbacks or hallucinations; or intense psychological distress on exposure to internal or external cues that symbolize or resemble an aspect of the traumatic event.

Value of PTSBDB1	Condition(s)	Explanation
1	PTSB_H6 = 1 or PTSB_H7 = 1 or PTSB_H8 = 1 or PTSB_H9 = 1 or PTSB_I0 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion B, Part 1. Respondent reported the traumatic event was experienced through recurrent, distressing recollections, dreams, flashbacks, or intense psychological distress on exposure to reminders of the event.
2	(PTSB_H6 = 2, NA) and (PTSB_H7 = 2, NA) and (PTSB_H8 = 2, NA) and (PTSB_H9 = 2, NA) and (PTSB_I0 = 2, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion B, Part 1. Respondent did not report recurrent, distressing recollections, dreams, flashbacks, or intense psychological distress on exposure to reminders of the event.
NS	(PTSB_H6 = DK, R, NS) or (PTSB_H7 = DK, R, NS) or (PTSB_H8 = DK, R, NS) or (PTSB_H9 = DK, R, NS) or (PTSB_I0 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

5)   Post-traumatic Stress Disorder - Lifetime Criterion B, Part 2

Variable name: PTSBDB2
Based on: PTSB_L3
Previous Usage: None
Description: This variable identifies respondents who reported the traumatic event was persistently experienced. Respondents who meet the CCHS 1.2/WMH-CIDI criterion reported that their reactions occurred at least once a month.

Value of PTSBDB2	Condition(s)	Explanation
1	(PTSB_L3 = 2, 3, 4, 5)	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion B, Part 2. Respondent reported that their reactions occurred at least once a month.

2	(PTSB_L3 = 1, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion B, Part 2. Respondent did not report reactions occurring at least once a month.
NS	(PTSB_L3 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

6)   Post-traumatic Stress Disorder - Lifetime Criterion B (Parts 1, 2 combined)

Variable name: PTSBDB
Based on: PTSBDB1, PTSBDB2
Previous Usage: None
Description: This variable identifies respondents who reported:
   1) the traumatic event was experienced through recurrent, distressing recollections, dreams, flashbacks, or intense psychological distress on exposure to reminders of the event; and
   2) the reactions occurred at least once a month.

Value of PTSBDB	Condition(s)	Explanation
1	PTSBDB1 = 1 and PTSBDB2 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion B. Respondent reported experiencing the event through recurrent, distressing recollections, dreams, flashbacks or intense psychological distress on exposure to reminders of the event and the reactions occurred at least once a month.
2	PTSBDB1 = 2 or PTSBDB2 = 2	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion B. Respondent did not report experiencing a traumatic event through recurrent, distressing recollections, dreams, flashbacks or intense psychological distress on exposure to reminders of the event or the reactions did not occur at least once a month.
NS	PTSBDB1 = NS or PTSBDB2 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

7)   Post-traumatic Stress Disorder - Lifetime Criterion C, Part 1

Variable name: PTSBDC1
Based on: PTSB_F8, PTSB_F9, PTSB_G0, PTSB_G1, PTSB_G2, PTSB_G3, PTSB_G4
Previous Usage: None
Description: This variable identifies respondents who reported persistent avoidance of stimuli associated with trauma and numbing of general responsiveness as indicated by 3 or more of the following:
1) efforts to avoid thoughts, feelings, or conversations associated with the trauma;
2) avoidance of activities, places, or people that arouse recollections of the trauma;
3) inability to recall an important aspect of the trauma;
4) markedly diminished interest or participation in significant activities;
5) feeling detached or estranged from others;
6) restricted range of affect;
7) sense of foreshortened future.

Value of PTSBDC1	Condition(s)	Explanation
1	At least three of: (PTSB_F8, PTSB_F9, PTSB_G0, PTSB_G1, PTSB_G2, PTSB_G3, PTSB_G4) = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion C, Part 1. Respondent reported persistent avoidance of stimuli associated with the trauma and numbing of general responsiveness.
2	At least five of: (PTSB_F8, PTSB_F9, PTSB_G0, PTSB_G1, PTSB_G2, PTSB_G3, PTSB_G4) = 2, NA	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion C, Part 1. Respondent did not report persistent avoidance of stimuli associated with a trauma nor numbing of general responsiveness.
NS	(PTSB_F8 = DK, R, NS) or (PTSB_F9 = DK, R, NS) or (PTSB_G0 = DK, R, NS) or (PTSB_G1 = DK, R, NS) or (PTSB_G2 = DK, R, NS) or (PTSB_G3 = DK, R, NS) or (PTSB_G4 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

8)   Post-traumatic Stress Disorder - Lifetime Criterion C, Part 2

Variable name: PTSBDC2
Based on: PTSB_L3
Previous Usage: None
Description: This variable identifies respondents who reported that their avoidance and numbness reactions were persistent. Respondents who meet the CCHS 1.2/WMH-CIDI criterion reported that their reactions occurred at least once a month.

Value of PTSBDC2	Condition(s)	Explanation
1	(PTSB_L3 = 2, 3, 4, 5)	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion C, Part 2. Respondent reported that their reactions occurred at least once a month.
2	(PTSB_L3 = 1, NA)	Respondent does not meet lifetime Criterion C, Part 2. Respondent did not report reactions occurring at least once a month.
NS	(PTSB_L3 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

9)   Post-traumatic Stress Disorder - Lifetime Criterion C (Parts 1, 2 combined)

Variable name: PTSBDC
Based on: PTSBDC1, PTSBDC2
Previous Usage: None
Description: This variable identifies respondents who reported persistent avoidance of stimuli associated with trauma and numbing of general responsiveness and reactions occurring at least once a month.

Value of PTSBDC	Condition(s)	Explanation
1	PTSBDC1 = 1 and PTSBDC2 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion C. Respondent reported persistent avoidance of stimuli associated with the trauma and numbing of general responsiveness and reactions occurring at least once a month.
2	PTSBDC1 = 2 or PTSBDC2 = 2	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion C. Respondent did not report persistent avoidance of stimuli associated with trauma and numbing of general responsiveness or reactions did not occur at least once a week.
NS	PTSBDC1 = NS or PTSBDC2 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

10) Post-traumatic Stress Disorder - Lifetime Criterion D, Part 1

Variable name: PTSBDD1
Based on: PTSB_J2, PTSB_J3, PTSB_J4, PTSB_J5, PTSB_J6
Previous Usage: None
Description: This variable identifies respondents who reported persistent symptoms of increased arousal indicated by two or more of the following:
1) difficulty falling or staying asleep;
2) irritability or outbursts of anger;
3) difficulty concentrating;
4) hypervigilance; and
5) exaggerated startle response.

Value of PTSBDD1	Condition(s)	Explanation
1	At least two of: (PTSB_J2, PTSB_J3, PTSB_J4, PTSB_J5, PTSB_J6) = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion D, Part 1. Respondent reported persistent symptoms of increased arousal.
2	At least four of: (PTSB_J2, PTSB_J3, PTSB_J4, PTSB_J5, PTSB_J6) = 2, NA	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion D, Part 1. Respondent did not report persistent symptoms of increased arousal.
NS	(PTSB_J2 = DK, R, NS) or (PTSB_J3 = DK, R, NS) or (PTSB_J4 = DK, R, NS) or (PTSB_J5 = DK, R, NS) or (PTSB_J6 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

11) Post-traumatic Stress Disorder - Lifetime Criterion D, Part 2

Variable name: PTSBDD2
Based on: PTSB_L3
Previous Usage: None
Description: This variable identifies respondents who reported that their symptoms of increased arousal were persistent. Respondents who meet the CCHS 1.2/WMH-CIDI criterion reported that their reactions occurred at least once a month.

Value of PTSBDD2	Condition(s)	Explanation
1	(PTSB_L3 = 2, 3, 4, 5)	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion D, Part 2. Respondent reported that their reactions occurred at least once a month.
2	(PTSB_L3 = 1, NA)	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion D, Part 2. Respondent did not report reactions occurring at least once a month.

NS	PTSB_L3 = (DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

12) Post-traumatic Stress Disorder - Lifetime Criterion D (Part 1, 2 combined)

Variable name: PTSBDD
Based on: PTSBDD1, PTSBDD2
Previous Usage: None
Description: This variable identifies respondents who reported:
1) symptoms of increased arousal; and
2) the symptoms occurred at least once a month.

Value of PTSBDD	Condition(s)	Explanation
1	PTSBDD1 = 1 and PTSBDD2 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion D. Respondent reported symptoms of increased arousal that occurred at least once a month.
2	PTSBDD1 = 2 or PTSBDD2 = 2	Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion D. Respondent did not report persistent symptoms of increased arousal that occurred at least once a month.
NS	PTSBDD1 = NS or PTSBDD2 = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

13) Post-traumatic Stress Disorder - Lifetime Criterion E

Variable name: PTSBDE
Based on: PTSB_KB1, PTSB_KB2, PTSB_KB3, PTSB_KB4, PTSB_KB5, PTSB_L1
Previous Usage: None
Description: This variable identifies respondents who reported that their reactions to their worst event lasted at least one month.

Value of PTSBDE	Condition(s)	Explanation
1	$30 <=$ PTSB_KB2 $<= 901$ or $4 <=$ PTSB_KB3 $<= 104$ or $1 <=$ PTSB_KB4 $<= 36$ or $1 <=$ PTSB_KB5 < 996 or PTSB_L1 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion E. Respondent reported reactions lasting at least one month.

| 2 | (PTSB_KB2 < 30 or PTSB_KB3 < 4 or PTSB_KB1 = NA) and (PTSB_L1 = 2, NA) | Respondent does not meet lifetime CCHS 1.2/WMH-CIDI Criterion E.

Respondent did not report reactions lasting at least one month.

Note:
Because the minimum for PTSB_KB4 and PTSB_KB5 are 1 month and 1 year respectively, it is not necessary to include them in the "No" statement. |
| NS | PTSB_KB1 = DK, R, NS) or PTSB_KB2 = DK, R, NS) or PTSB_KB3 = DK, R NS) or PTSB_KB4 = DK, R, NS) or PTSB_KB5 = DK, R, NS) or PTSB_L1 = DK, R, NS) | Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation. |

14) Post-traumatic Stress Disorder - Lifetime Criterion F

Variable name: PTSBDF
Based on: PTSB_L4, PTSB_L5, PTSB_80, PTSB_78A, PTSB_781, PTSB_782, PTSB_78C, PTSB_78D, PTSB_89
Previous Usage: None
Description: This variable identifies respondents who reported that their reactions to trauma caused clinically significant distress or impairment in social, occupational, or other important areas of functioning.

Value of PTSBDF	Condition(s)	Explanation
1	(PTSB_L4 = 3, 4, 5) or (PTSB_L5 = 3, 4, 5) or (5 <= PTSB_80 < 996) or (4 <= PTSB_78A <= 10) or (4 <= PTSB_781 <= 10) or (4 <= PTSB_782 <= 10) or (4 <= PTSB_78C <= 10) or (4 <= PTSB_78D <= 10) or PTSB_89 = 1	Respondent meets lifetime CCHS 1.2/WMH-CIDI Criterion F. Respondent reported that their reactions caused clinically significant distress or impairment in social, occupational, or other important areas of functioning.
2	(PTSB_L4 = 1, 2, NA) and (PTSB_L5 = 1, 2, NA) and (PTSB_80 < 5 or PTSB_80 = 996) and (PTSB_78A < 4 or PTSB_78A = 96) and (PTSB_781 < 4 or PTSB_781 = 96) and (PTSB_782 < 4 or PTSB_782 = 96) and (PTSB_78C < 4 or PTSB_78C = 96) and (PTSB_78D < 4 or PTSB_78D = 96) and (PTSB_89 = 2, NA)	Respondent did not meet lifetime CCHS 1.2/WMH-CIDI Criterion F. Respondent did not report reactions that caused clinically significant distress nor impairment in social, occupational, nor other important areas of functioning.

NS	(PTSB_L4 = DK, R, NS) or (PTSB_L5 = DK, R, NS) or (PTSB_80 = DK, R, NS) or (PTSB_78A = DK, R, NS) or (PTSB_781 = DK, R, NS) or (PTSB_782 = DK, R, NS) or (PTSB_78C = DK, R, NS) or (PTSB_78D = DK, R, NS) or (PTSB_89 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

15) Post-traumatic Stress Disorder - Lifetime Algorithm

Variable name: PTSBDPDS
Based on: PTSBDA, PTSBDB, PTSBDC, PTSBDD, PTSBDE, PTSBDF
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 post-traumatic stress disorder. Respondents who meet the criteria reported:
1) exposure to a traumatic event in which the respondent experienced, witnessed, or was confronted with an event or events that involved actual or threatened death or serious injury, or a threat to physical integrity of self or others;
2) reacting to the traumatic event with intense fear, helplessness, or horror;
3) persistently experiencing the event through recurrent, distressing recollections, dreams, flashbacks, or physiological reactivity on exposure to reminders of the event;
4) persistent avoidance of stimuli associated with the trauma and numbing of general responsiveness;
5) persistent symptoms of increased arousal;
6) reactions lasting at least one month; and
7) reactions causing clinically significant distress or impairment in social, occupational, or other important areas of functioning.

Value of PTSBDPDS	Condition(s)	Explanation
1	PTSBDA = 1 and PTSBDB = 1 and PTSBDC = 1 and PTSBDD = 1 and PTSBDE = 1 and PTSBDF = 1	Respondent meets the CCHS 1.2/WMH-CIDI criteria for lifetime post-traumatic stress disorder.
2	PTSBDA = 2 or PTSBDB = 2 or PTSBDC = 2 or PTSBDD = 2 or PTSBDE = 2 or PTSBDF = 2	Respondent does not meet the CCHS 1.2/WMH-CIDI criteria for lifetime post-traumatic stress disorder.
NS	PTSBDA = NS or PTSBDB = NS or PTSBDC = NS or PTSBDD = NS or PTSBDE = NS or PTSBDF = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

16) Time Lapse Between Worst Event and Onset of Symptoms (in years)

Variable name: PTSBDKAY
Based on: PTSB_KA1, PTSB_KA2, PTSB_KA3, PTSB_KA4, PTSB_KA5
Previous Usage: None
Description: This variable identifies the time lapse between the occurrence of the worst event and the onset of symptoms (in years).

Value of PTSBDKAY	Condition(s)	Explanation
NA	PTSB_KA1 = NA	Respondent was not asked the questions required for calculation.
NS	(PTSB_KA1 = DK, R, NS) or (PTSB_KA2 = DK, R, NS) or (PTSB_KA3 = DK, R, NS) or (PTSB_KA4 = DK, R, NS) or (PTSB_KA5 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in PTSB_KA2 / 365 (round to .01)	PTSB_KA2 <= 901	Length of time between worst event and onset of symptoms (in years)
Value in PTSB_KA3 / 52 (round to .01)	PTSB_KA3 <= 104	Length of time between worst event and onset of symptoms (in years)
Value in PTSB_KA4 / 12 (round to .01)	PTSB_KA4 <= 36	Length of time between worst event and onset of symptoms (in years)
Value in PTSB_KA5	PTSB_KA5 < NA	Length of time between worst event and onset of symptoms (in years)

17) Duration of Symptoms to Worst Event (in years)

Variable name: PTSBDKBY
Based on: PTSB_KB1, PTSB_KB2, PTSB_KB3, PTSB_KB4, PTSB_KB5
Previous Usage: None
Description: This variable identifies the length of time during which the respondent's reactions continued (in years).

Value of PTSBDKBY	Condition(s)	Explanation
NA	PTSB_KB1 = NA	Respondent was not asked the questions required for calculation.
NS	(PTSB_KB1 = DK, R, NS) or (PTSB_KB2 = DK, R, NS) or (PTSB_KB3 = DK, R, NS) or (PTSB_KB4 = DK, R, NS) or (PTSB_KB5 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.
Value in PTSB_KB2 / 365 (round to .01)	PTSB_KB2 <= 901	Duration of reactions to worst episode (in years)
Value in PTSB_KB3 / 52 (round to .01)	PTSB_KB3 <= 104	Duration of reactions to worst episode (in years)
Value in PTSB_KB4 / 12 (round to .01)	PTSB_KB4 <= 36	Duration of reactions to worst episode (in years)

Value in PTSB_KB5	PTSB_KB5 < NA	Duration of reactions to worst episode (in years)

18) Post-traumatic Stress Disorder - Persistence of PTSD (in years)

Variable name: PTSBDPER
Based on: PTSBDPDS, PTSBDKBY
Previous Usage: None
Description: This variable identifies the longest period the respondent continued to have reactions associated with their worst traumatic event (in years). It is calculated only for respondents who meet the criteria for lifetime post-traumatic stress disorder.

Value of PTSBDPER	Condition(s)	Explanation
NA	PTSBDPDS = 2	Respondent did not meet the CCHS 1.2/WMH-CIDI lifetime criteria for Post-traumatic stress disorder.
Value of PTS_PER	PTSBDPDS = 1 and PTSBDKBY < NA	Duration of reactions to worst episode (in years)
NS	PTSBDPDS = NS or PTSBDKBY = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

Post-traumatic Stress Disorder – Past 12 Months

19) Post-traumatic Stress Disorder – Past 12 Months, Criterion A

Variable name: PTSBDYA
Based on: PTSBDPDS
Previous Usage: None
Description: This variable identifies respondents who meet the CCHS 1.2/WMH-CIDI criteria for lifetime Post-traumatic Stress Disorder.

Value of PTSBDYA	Condition(s)	Explanation
1	PTSBDPDS = 1	Respondent meets 12 months CCHS 1.2/WMH-CIDI Criterion A. Respondent met the CCHS 1.2/WMH-CIDI criteria for lifetime Post-traumatic Stress Disorder.
2	PTSBDPDS = 2	Respondent does not meet CCHS 1.2/WMH-CIDI 12 months Criterion A. Respondent did not meet the CCHS 1.2/WMH-CIDI criteria for lifetime Post-traumatic Stress Disorder.
NS	PTSBDPDS = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.

20) Post-traumatic Stress Disorder – Past 12 Months, Criterion B

Variable name: PTSBDYB
Based on: PTSB_Z0
Previous Usage: None

Description: This variable identifies respondents who reported experiencing reactions like having upsetting memories or dreams, feeling emotionally distant or depressed, having trouble sleeping or concentrating, or feeling jumpy or easily started in the 12 months prior to the interview.

Value of PTSBDYB	Condition(s)	Explanation
1	PTSB_Z0 = 1	Respondent meets past 12 months CCHS 1.2/WMH-CIDI Criterion B. Respondent reported having reactions associated with Post-traumatic Stress Disorder in the 12 months prior to the interview.
2	(PTSB_Z0 = 2, NA)	Respondent does not meet past 12 months CCHS 1.2/WMH-CIDI Criterion B. Respondent did not report having reactions associated with Post-traumatic Stress Disorder in the 12 months prior to the interview.
NS	(PTSB_Z0 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

21) Post-traumatic Stress Disorder – Past 12 Months, Criterion C

Variable name: PTSBDYC
Based on: PTSB_Z1H, PTSB_Z1I, PTSB_Z1J, PTSB_Z1K, PTSB_Z1L
Previous Usage: None
Description: The variable identifies respondents who reported experiencing the event through recurrent and intrusive distressing recollections or dreams, through acting or feeling as if the event were recurring, or through intense psychological distress or physiological reactivity at exposure to internal or external cues that symbolize or resemble an aspect of the traumatic event in the 12 months prior to the interview.
Note: The questions are equivalent to those used for lifetime post-traumatic stress disorder Criterion B, part 1.

Value of PTSBDYC	Condition(s)	Explanation
1	PTSB_Z1H = 1 or PTSB_Z1I = 1 or PTSB_Z1J = 1 or PTSB_Z1K = 1 or PTSB_Z1L = 1	Respondent meets past 12 months CCHS 1.2/WMH-CIDI Criterion C. Respondent reported experiencing the event through recurrent distressing recollections, dreams, flashbacks, or physiological reactivity on exposure to reminders of the event in the 12 months prior to the interview.
2	(PTSB_Z1H = 2, NA) and (PTSB_Z1I = 2, NA) and (PTSB_Z1J = 2, NA) and	Respondent does not meet past 12 months CCHS 1.2/WMH-CIDI Criterion C.

	(PTSB_Z1K = 2, NA) and (PTSB_Z1L = 2, NA)	Respondent did not report experiencing the event through recurrent distressing recollections, dreams, flashbacks, or physiological reactivity on exposure to reminders of the event in the 12 months prior to the interview.
NS	(PTSB_Z1H = DK, R, NS) or (PTSB_Z1I = DK, R, NS) or (PTSB_Z1J = DK, R, NS) or (PTSB_Z1K = DK, R, NS) or (PTSB_Z1L = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

22) Post-traumatic Stress Disorder – Past 12 Months, Criterion D

Variable name: PTSBDYD
Based on: PTSB_Z1A, PTSB_Z1B, PTSB_Z1C, PTSB_Z1D, PTSB_Z1E, PTSB_Z1F, PTSB_Z1G
Previous Usage: None
Description: This variable identifies respondents who reported persistent avoidance of stimuli associated with trauma and numbing of general responsiveness as indicated by 3 or more of the following in the 12 months prior to the interview:
1) efforts to avoid thoughts, feelings, or conversations associated with the trauma;
2) avoidance of activities, places, or people that arouse recollections of the trauma;
3) inability to recall an important aspect of the trauma;
4) markedly diminished interest or participation in significant activities;
5) feeling detached or estranged from others;
6) restricted range of affect;
7) sense of foreshortened future.

Note: This criterion is not used in the WMH2000 algorithm. The questions are equivalent to those used for lifetime post-traumatic stress disorder Criterion C, part 1.

Value of PTSBDYD	Condition(s)	Explanation
1	At least three of: (PTSB_Z1A, PTSB_Z1B, PTSB_Z1C, PTSB_Z1D, PTSB_Z1E, PTSB_Z1F, PTSB_Z1G) = 1	Respondent meets past 12 months CCHS 1.2/WMH-CIDI Criterion D. Respondent reported persistent avoidance of stimuli associated with the trauma and numbing of general responsiveness in the 12 months prior to the interview.
2	At least five of: (PTSB_Z1A, PTSB_Z1B, PTSB_Z1C, PTSB_Z1D, PTSB_Z1E, PTSB_Z1F, PTSB_Z1G) = 2, NA	Respondent does not meet past 12 months CCHS 1.2/WMH-CIDI Criterion D. Respondent did not report persistent avoidance of stimuli associated with the trauma and numbing of general responsiveness in the 12 months prior to the interview.
NS	(PTSB_Z1A = DK, R, NS) or (PTSB_Z1B = DK, R, NS) or (PTSB_Z1C = DK, R, NS) or	Respondent did not answer (don't know, refusal, not stated) at least one question required for

	(PTSB_Z1D = DK, R, NS) or (PTSB_Z1E = DK, R, NS) or (PTSB_Z1F = DK, R, NS) or (PTSB_Z1G = DK, R, NS)	calculation.

23) Post-traumatic Stress Disorder – Past 12 Months, Criterion E

Variable name: PTSBDYE
Based on: PTSB_Z1M, PTSB_Z1N, PTSB_Z1O, PTSB_Z1P, PTSB_Z1Q
Previous Usage: None
Description: This variable identifies respondents who reported persistent symptoms of increased arousal indicated by two or more of the following in the 12 months prior to the interview:
1) difficulty falling or staying asleep;
2) irritability or outbursts of anger;
3) difficulty concentrating;
4) hypervigilance; and
5) exaggerated startle response.

Note: The questions are equivalent to those used for lifetime Criterion D, part 1.

Value of PTSBDYE	Condition(s)	Explanation
1	At least two of: (PTSB_Z1M, PTSB_Z1N, PTSB_Z1O, PTSB_Z1P, PTSB_Z1Q) = 1	Respondent meets 12 months CCHS 1.2/WMH-CIDI Criterion E. Respondent reported persistent symptoms of increased arousal in the 12 months prior to the interview.
2	At least four of: (PTSB_Z1M, PTSB_Z1N, PTSB_Z1O, PTSB_Z1P, PTSB_Z1Q) = 2, NA	Respondent does not meet past 12 months CCHS 1.2/WMH-CIDI Criterion E. Respondent did not report persistent symptoms of increased arousal in the 12 months prior to the interview.
NS	(PTSB_Z1M = DK, R, NS) or (PTSB_Z1N = DK, R, NS) or (PTSB_Z1O = DK, R, NS) or (PTSB_Z1P = DK, R, NS) or (PTSB_Z1Q = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

24) Post-traumatic Stress Disorder – Past 12-Months Algorithm

Variable name: PTSBDDY
Based on: PTSBDYA, PTSBDYB, PTSBDYC, PTSBDYD, PTSBDYE
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 Post-traumatic stress disorder in the 12 months prior to the interview. Respondents who meet the criteria reported:
1) meeting the CCHS 1.2/WMH-CIDI criteria for lifetime Post-traumatic stress disorder;
2) having reactions in the 12 months prior to the interview;
3) experiencing the event through recurrent distressing recollections, dreams, flashbacks, or physiological reactivity on exposure to reminders of the event in the 12 months prior to the interview;

4) persistent avoidance of stimuli associated with the trauma and numbing of general responsiveness in the 12 months prior to the interview; and
5) persistent symptoms of increased arousal in the 12 months prior to the interview.

Value of PTSBDDY	Condition(s)	Explanation
1	PTSBDYA = 1 and PTSBDYB = 1 and PTSBDYC = 1 and PTSBDYD = 1 and PTSBDYE = 1	Respondent meets all CCHS 1.2/WMH-CIDI criteria for past 12-month Post-traumatic stress disorder.
2	PTSBDYA = 2 or PTSBDYB = 2 or PTSBDYC = 2 or PTSBDYD = 2 or PTSBDYE = 2	Respondent does not meet all CCHS 1.2/WMH-CIDI criteria for past 12-month Post-traumatic stress disorder.
NS	PTSBDYA = NS or PTSBDYB = NS or PTSBDYC = NS or PTSBDYD = NS or PTSBDYE = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

25) Post Traumatic Stress Disorder (PTSD) Interference - Mean

Variable name: PTSBDINT
Based on: PTSB_78A, PTSB_781, PTSB_782, PTSB_78C, PTSB_78D, PTSBDDY
Previous Usage: None
Description: This variable describes the interference that PTSD had on daily activities and responsibilities in the past 12 months. This is a mean of the five items.
Note: This variable is calculated only for respondents who meet the criteria for a 12-month episode.

Value of PTSBDINT	Condition(s)	Explanation
NA	PTSBDDY = 2	Respondent did not meet the CCHS 1.2/WMH-CIDI criteria for past 12-month PTSD.
NS	PTSB_78A = NA	Respondent was not asked the interference questions due to inconsistency in their reporting.
NS	PTSBDDY = NS or (PTSB_78A = DK, R, or NS) or (PTSB_781 = DK, R, or NS) or (PTSB_782 = DK, R, or NS) or (PTSB_78C = DK, R, or NS) or (PTSB_78D = 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 stated) at least one question required for calculation.
(PTSB_78A + PTSB_781 + PTSB_782 + PTSB_78C + PTSB_78D) / 5 (min: 0.0; max: 10.0) (round to .1)	PTSBDDY = 1 and $0 <=$ PTSB_781 $<= 10$ and $0 <=$ PTSB_782 $<= 10$ and $0 <=$ PTSB_78A $<= 10$ and $0 <=$ PTSB_78C $<= 10$ and $0 <=$ PTSB_78D $<= 10$	Interference = mean of all five items. Respondent answered all five questions.
(PTSB_78A + PTSB_782 + PTSB_78C + PTSB_78D) / 4 (min: 0.0; max: 10.0) (round to .1)	PTSBDDY = 1 and PTSB_781 = 11 and $0 <=$ PTSB_782 $<= 10$ and $0 <=$ PTSB_78A $<= 10$ and $0 <=$ PTSB_78C $<= 10$ and $0 <=$ PTSB_78D $<= 10$	Interference = mean of four items that applied to respondent. PTSB_781 was not applicable (i.e., they did not attend school within the past 12 months).

(PTSB_78A + PTSB_781 + PTSB_78C + PTSB_78D) / 4 (min: 0.0; max: 10.0) (round to .1)	PTSBDDY = 1 and 0 <= PTSB_781 <= 10 and PTSB_782 = 11 and 0 <= PTSB_78A <= 10 and 0 <= PTSB_78C <= 10 and 0 <= PTSB_78D <= 10	Interference = mean of four items that applied to respondent. PTSB_782 was not applicable (i.e., they did not have a job within the past 12 months).
(PTSB_78A + PTSB_78C + PTSB_78D) / 3 (min: 0.0; max: 10.0) (round to .1)	PTSBDDY = 1 and PTSB_781 = 11 and PTSB_782 = 11 and 0 <= PTSB_78A <= 10 and 0 <= PTSB_78C <= 10 and 0 <= PTSB_78D <= 10	Interference = mean of three items that applied to respondent. PTSB_781 and PTSB_782 were not applicable (i.e., they did not attend school and did not have a job within the past 12 months).

26) Flag for Post Traumatic Stress Disorder (PTSD) Interference

Variable name: PTSBFINT
Based on: PTSB_78A, PTSB_781, PTSB_782, PTSB_78C, PTSB_78D, PTSBDDY
Previous Usage: None
Description: This variable describes the interference that PTSD had on daily activities and responsibilities in the past 12 months. This is a classification that indicates whether PTSD interferes significantly with the person's normal routine, occupational (academic) functioning, or social activities or relationships.
Note: This question is calculated only for respondents who meet the CCHS 1.2/WMH-CIDI criteria for a 12-month episode.

Value of PTSBFINT	Condition(s)	Explanation
NA	PTSBDDY = 2	Respondent did not meet the criteria for CCHS 1.2/WMH-CIDI 12-month PTSD.
NS	PTSB_78A = NA	Respondent was not asked the interference questions due to inconsistency in their reporting.
1	PTSBDDY = 1 and (4 <= PTSB_78A <= 10 or 4 <= PTSB_781 <= 10 or 4 <= PTSB_782 <= 10 or 4 <= PTSB_78C <= 10 or 4 <= PTSB_78D <= 10)	PTSD caused significant interference with the person's normal routine, occupational (academic) functioning, or social activities or relationships in the past 12 months.
2	PTSBDDY = 1 and (0 <= PTSB_78A <= 3 and (0 <= PTSB_781 <= 3 or PTSB_781 = 11) and (0 <= PTSB_782 <= 3 or PTSB_782 = 11) and 0 <= PTSB_78C <= 3 and 0 <= PTSB_78D <= 3)	PTSD 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	PTSBDDY = NS or (PTSB_78A = DK, R, NS) or (PTSB_781 = DK, R, NS) or (PTSB_782 = DK, R, NS) or (PTSB_78C = DK, R, NS) or (PTSB_78D = 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 stated) at least one question 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

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

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

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_5D) / 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 now 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.

Mental Health Profiles (6 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-IIIR 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.

Note: For the purposes of the documentation relevant to the Canadian Forces 2002 Canadian Community Health Survey Supplement (mental health), the derived variables and algorithms related to the mental conditions/problems were developed as part of CCHS 1.2. In order to be consistent, some of the documentation relevant to the Canadian Forces 2002 Canadian Community Health Survey Supplement refers to CCHS 1.2.

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: MHPBFCL
Based on: DEPBDDPS, PADBDPDS, SOPBDSP, GADBDGDS, PTSBDPDS
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" (MHPBFCY) because it does not include alcohol dependence or substance dependence.

Value of MHPBFCL	Condition(s)	Explanation
1	DEPBDDPS = 1 or PADBDPDS = 1 or SOPBDSP = 1 or GADBDGDS = 1 or PTSBDPDS = 1	Respondent met the criteria for at least one listed disorder in their lifetime.
2	DEPBDDPS = 2 and PADBDPDS = 2 and SOPBDSP = 2 and GADBDGDS = 2 and PTSBDPDS = 2	Respondent did not meet the criteria for all listed disorders in their lifetime.
NS	DEPBDDPS = NS or PADBDPDS = NS or SOPBDSP = NS or GADBDGDS = NS or PTSBDPDS = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

2) Lifetime Diagnosis – Any Anxiety Disorder

Variable name: MHPBFCLA
Based on: GADBDGDS, PADBDPDS, SOPBDSP, PTSBDPDS
Previous Usage: None
Description: This variable identifies whether respondent met the CCHS 1.2/WMH-CIDI criteria for any of the measured anxiety disorders (generalized anxiety disorder, panic disorder, social phobia, post-traumatic stress disorder) in their lifetime.

Value of MHPBFCLA	Condition(s)	Explanation
1	GADBDGDS = 1 or PADBDPDS = 1 or SOPBDSP = 1 or PTSBDPDS = 1	Respondent met the criteria for at least one listed anxiety disorder in their lifetime.
2	GADBDGDS = 2 and PADBDPDS = 2 and SOPBDSP = 2 and PTSBDPDS = 2	Respondent did not meet the criteria for any listed anxiety disorder in their lifetime.
NS	GADBDGDS = NS or PADBDPDS = NS or SOPBDSP = NS or PTSBDPDS = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

3) 12-Month Diagnosis – Any Selected Disorder or Substance Dependence

Variable name: MHPBFCY
Based on: DEPBDDY, PADBDDY, SOPBDPY, GADBDDY, PTSBDDY, ALDBDSFY
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 MHPBFCY	Condition(s)	Explanation
1	DEPBDDY = 1 or PADBDDY = 1 or SOPBDPY = 1 or GADBDDY = 1 or PTSBDDY = 1 or $3 <= ALDBDSFY < NA$	Respondent met the criteria for at least one listed disorder or dependence in the past 12 months.
2	DEPBDDY = 2 and PADBDDY = 2 and SOPBDPY = 2 and GADBDDY = 2 and PTSBDDY = 2 and $ALDBDSFY < 3$	Respondent did not meet the criteria for any listed disorder or dependence in the past 12 months
NS	DEPBDDY = NS or PADBDDY = NS or SOPBDPY = NS or GADBDDY = NS or PTSBDDY = NS or ALDBDSFY = NS	Respondent has a non-response (not stated) value in one of the derived variables required for calculation.

4) 12-Month Diagnosis – Any Anxiety Disorder

Variable name: MHPBFCYA
Based on: GADBDDY, PADBDDY, SOPBDPY, PTSBDDY
Previous Usage: None
Description: This variable identifies whether respondent met the CCHS 1.2/WMH-CIDI criteria for any of the measured anxiety disorders in the past 12 months (GAD, Panic, Social Phobia, PTSD).

Value of MHPBFCYA	Condition(s)	Explanation
1	GADBDDY = 1 or PADBDDY = 1 or SOPBDPY = 1 or PTSBDDY = 1	Respondent met the criteria for at least one listed anxiety disorder in the past 12 months.
2	GADBDDY = 2 and PADBDDY = 2 and SOPBDPY = 2 and PTSBDDY = 2	Respondent did not meet the criteria for any listed anxiety disorder in the past 12 months.
NS	GADBDDY = NS or PADBDDY = NS or SOPBDPY = NS or PTSBDDY = NS	Respondent has a non-response (not stated) value in a variable required for calculation.

5) Flag for 12-Month Interference – Any Selected Disorder or Substance Dependence

Variable name: MHPBFCFI
Based on: DEPBFINT, PADBFINT, SOPBFINT, GADBFINT, PTSBFINT, ALDBFINT, MHPBFCY
Previous Usage: None
Description: This variable identifies whether the respondent experienced any significant interference in their lives in the past 12 months as a result of at least one of the measured mental disorders. It is calculated for respondents who met the CCHS 1.2/WMH-CIDI criteria for at least one 12-month disorder.

Value of MHPBFCFI	Condition(s)	Explanation
NA	MHPBFCY = 2	Respondent did not meet the criteria for 12-month episode for any of the disorders measured.
1	DEPBFINT = 1 or PADBFINT = 1 or SOPBFINT = 1 or GADBFINT = 1 or PTSBFINT = 1 or ALDBFINT = 1	Respondent experience significant interference in their life in the past 12 months as a result of at least one of the measured disorders.
2	(DEPBFINT = 2, NA) and (PADBFINT = 2, NA) and (SOPBFINT = 2, NA) and (GADBFINT = 2, NA) and (PTSBFINT = 2, NA) and (ALDBFINT = 2, NA)	Respondent did not experience significant interference in their life in the past 12 months as a result of at least one of the measured disorders.
NS	DEPBFINT = NS or PADBFINT = NS or SOPBFINT = NS or GADBFINT = NS or PTSBFINT = NS or	Respondent has a non-response (not stated) value in a variable required for calculation.

	ALDBFINT = NS or MHPBFCY = NS	

6) Age of Onset – Any Selected Disorder

Variable name: MHPBDCON
Based on: MHPBFCL, DEPBDON, PADBDON, SOPBDON, GADBDON
Previous Usage: None
Description: This variable calculates the age of first disorder onset, for respondents who meet the criteria for any lifetime disorder. It is calculated for respondents who met the CCHS 1.2/WMH-CIDI criteria for at least one lifetime disorder, excludes substance dependence.

Value of MHPBDCON	Condition(s)	Explanation
NA	MHPBFCL = 2 or (DEPBDON = NA and PADBDON = NA and SOPBDON = NA and GADBDON = NA)	Respondent did not meet the lifetime criteria for any of the disorders measured.
Minimum of (DEPBDON, PADBDON, SOPBDON, GADBDON) (min: 0; max: current age)	MHPBFCL = 1 and at least one of (DEPBDON, PADBDON, SOPBDON, GADBDON) <= 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	MHPBFCL = NS or DEPBDON = NS or PADBDON = NS or SOPBDON = NS or GADBDON = NS	Respondent has a non-response (not stated) value in a variable required for calculation.

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

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: TWDBDDDY
Based on: TWDB_2, TWDB_4
Previous Usage:
CCHS Cycle 1.1: TWDADDDY
NPHS Cycle 3: TWC8DDDY
NPHS Cycle 2: TWC6DDDY
NPHS Cycle 1: TWC4DDDY
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 TWDBDDDY	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.

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.

CF Health Care Utilization –Services 1 (7 DVs)

1) Flag Indicating Lifetime Consultations with Medical Doctor for Problems with Emotions, Mental Health or Use of Alcohol and Drugs

Variable name: SR1BFLMD
Based on: SR1B_10A, SR1B_10B, SR1B_10C
Previous Usage: None
Description: This variable identifies whether the respondent had any lifetime consultations with any type of medical doctor for problems concerning emotions, mental health or use of alcohol or drugs.
Note: This variable is similar to CCHS 1.1 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.

Value of SR1BFLMD	Condition(s)	Explanation
1	SR1B_10A = 1 or SR1B_10B = 1 or SR1B_10C = 1	Respondent consulted at least one type of medical doctor during their lifetime about their emotions, mental health, or use of alcohol or drugs.
2	SR1B_10A = 2 and SR1B_10B = 2 and SR1B_10C = 2	Respondent has never consulted a medical doctor about their emotions, mental health, or use of alcohol or drugs.
NS	(SR1B_10A = DK, R, NS) or (SR1B_10B = DK, R, NS) or (SR1B_10C = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.

2) Number of Consultations with Medical Doctor in Past 12 Months Concerning Emotions, Mental Health or Use of Alcohol or Drugs

Variable name: SR1BDNMD
Based on: SR1B_3A, SR1B_3B, SR1B_3C
Previous Usage:
CCHS Cycle 1.1: HCUADMDC (psychiatrists not specifically differentiated)
NPHS Cycle 4: HCC0DMDC (psychiatrists not specifically differentiated)
NPHS Cycle 3: HCC8DMDC (psychiatrists not specifically differentiated)
NPHS Cycle 2: HCC6DMDC (psychiatrists not specifically differentiated)
NPHS Cycle 1: HCC4DMDC (psychiatrists not specifically differentiated)
Description: This variable identifies the number of consultations in the 12 months prior to the interview the respondent had with medical doctors for problems concerning emotions, mental health or use of alcohol or drugs. Consultation includes telephone or in person meetings with (a) psychiatrists, (b) family doctors, general practitioners or medical officers, and (c) any other medical doctor such as cardiologists, gynaecologists or urologists.
Note: The respondent is asked for the number of consultations with the one professional of each type seen most, so the derived variable reflects the number of consultations with these three professionals that the respondent had the most consultations with.

Temporary Reformat:

Reformat	Explanation
If (SR1B_10A = 2 or SR1B_1A = 4) then SR1RQ023A = 0	No 12-month consultations with a psychiatrist

If (SR1B_10B = 2 or SR1B_1B = 4) then SR1RQ023B = 0	No 12-month family doctor, etc. consultations
If (SR1B_10C = 2 or SR1B_1C = 4) then SR1RQ023C = 0	No 12-month other MD consultations

Value of SR1BDNMD	Condition(s)	Explanation
SR1RQ23A + SR1RQ23B + SR1RQ23C (min: 0; max: 995)	(0 <= SR1B_3A <= 365 and 0 <= SR1B_3B <= 365 and 0 <= SR1B_3C <= 365)	All components have valid response codes.
NS	(SR1B_3A = DK, R, NS) or (SR1B_3B = DK, R, NS) or (SR1B_3C = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

3) Flag Indicating Lifetime Consultations with (any) Professionals for Problems with Emotions, Mental Health or Use of Alcohol and Drugs

Variable name: SR1BFLAP
Based on: SR1B_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 CCHS 1.1 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 SR1BFLAP	Condition(s)	Explanation
1	SR1B_10I = 2	Respondent consulted at least one professional in their lifetime about their emotions, mental health, or use of alcohol or drugs.
2	SR1B_10I = 1	Respondent has never consulted a professional about their emotions, mental health, or use of alcohol or drugs.
NS	(SR1B_10I = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) the question required for calculation.

4) Flag Indicating Lifetime Use of any Resources for Problems Concerning Emotions, Mental Health or Use of Alcohol and Drugs

Variable name: SR1BFLRU
Based on: SR1B_02, SR1B_10I, SR1B_AOA, SR1B_A1A, SR1B_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 an internet support group or chat room, went to self-help group or used a telephone helpline during his lifetime.

Value of SR1BFLRU	Condition(s)	Explanation
1	(SR1B_02 = 1, NA) or SR1B_10I = 2 or SR1B_AOA = 1 or SR1B_A1A = 1 or SR1B_A2A = 1	Respondent used at least one resource for problems concerning emotions, mental health, or use of alcohol or drugs.
2	SR1B_02 = 2 and SR1B_10I = 1 and SR1B_AOA = 2 and SR1B_A1A = 2 and SR1B_A2A = 2	Respondent has never used any resources for problems concerning emotions, mental health, or use of alcohol or drugs.
NS	(SR1B_02 = DK, R, NS) or (SR1B_10I = DK, R, NS) or (SR1B_AOA = DK, R, NS) or (SR1B_A1A = DK, R, NS) or (SR1B_A2A = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.

5) Number of Lifetime Types of Resources Used for Problems Concerning Emotions, Mental Health or Use of Alcohol and Drugs

Variable name: SR1BDRCT
Based on: SR1B_02, SR1B_10A-SR1B_10H, SR1B_AOA, SR1B_A1A, SR1B_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:

Reformat	Explanation
If SR1B_02 = 2 then SR1RQ002 = 0 If SR1B_02 = NA then SR1RQ002 = 1	Been hospitalized for problems with emotions, mental health or use of alcohol or drugs: Reformat No into 0 and NA into 1.
If SR1B_10A = 2 then SR1RQ010A = 0 If SR1B_10B = 2 then SR1RQ010B = 0 If SR1B_10C = 2 then SR1RQ010C = 0 If SR1B_10D = 2 then SR1RQ010D = 0 If SR1B_10E = 2 then SR1RQ010E = 0 If SR1B_10F = 2 then SR1RQ010F = 0 If SR1B_10G = 2 then SR1RQ010G = 0 If SR1B_10H = 2 then SR1RQ010H = 0	Consulted professional for problems with emotions, mental health or use of alcohol or drugs: Reformat No into 0.
If SR1B_AOA = 2 then SR1RQ100A = 0	Used internet support group or chat room for problems with emotions, mental health or use of alcohol or

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	drugs: Reformat No into 0.
If SR1B_A1A = 2 then SR1RQ101A = 0	Used self-help group for help with emotions, mental health or use of alcohol or drugs: Reformat No into 0.
If SR1B_A2A = 2 then SR1RQ102A = 0	Used telephone helpline for problems with emotions, mental health or use of alcohol or drugs: Reformat No into 0.

Value of SR1BDRCT	Condition(s)	Explanation
NS	(SR1B_02 = DK, R, NS) or (SR1B_10A = DK, R, NS) or (SR1B_10B = DK, R, NS) or (SR1B_10C = DK, R, NS) or (SR1B_10D = DK, R, NS) or (SR1B_10E = DK, R, NS) or (SR1B_10F = DK, R, NS) or (SR1B_10G = DK, R, NS) or (SR1B_10H = DK, R, NS) or (SR1B_AOA = DK, R, NS) or (SR1B_A1A = DK, R, NS) or (SR1B_A2A = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one of the questions required for calculation.
SR1RQ002 + SR1RQ010A + SR1RQ010B + SR1RQ010C + SR1RQ010D + SR1RQ010E + SR1RQ010F + SR1RQ010G + SR1RQ010H + SR1RQ100A + SR1RQ101A + SR1RQ102A (min: 0; max: 12)	(SR1RQ002 = 0, 1) and (SR1RQ010A = 0, 1) and (SR1RQ010B = 0, 1) and (SR1RQ010C = 0, 1) and (SR1RQ010D = 0, 1) and (SR1RQ010E = 0, 1) and (SR1RQ010F = 0, 1) and (SR1RQ010G = 0, 1) and (SR1RQ010H = 0, 1) and (SR1RQ100A = 0, 1) and (SR1RQ101A = 0, 1) and (SR1RQ102A = 0, 1)	Number of lifetime resources used for problems concerning emotions, mental health, or use of alcohol or drugs.

6) Flag Indicating past 12-Month Utilization of any Resources for Problems Concerning Emotions, Mental Health or Use of Alcohol and Drugs

Variable name: SR1BFYRU
Based on: SR1B_05A, SR1B_08, SR1B_1A to SR1B_1G, SR1B_91, SR1B_AOB, SR1B_A1C, SR1B_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 SR1BFYRU	Condition(s)	Explanation
1	1 <= SR1B_05A <= 3 or SR1B_08 = 1 or 1 <= SR1B_1A <= 3 or 1 <= SR1B_1B <= 3 or 1 <= SR1B_1C <= 3 or 1 <= SR1B_1D <= 3 or 1 <= SR1B_1E <= 3 or 1 <= SR1B_1F <= 3 or 1 <= SR1B_1G <= 3 or	Respondent used at least one resource during past 12 months concerning emotions, mental health, or use of alcohol or drugs.

	1 <= SR1B_91 <= 13 or 1 <= SR1B_AOB <= 3 or 1 <= SR1B_A1C <= 3 or 1 <= SR1B_A2C <= 3	
2	(SR1B_05A = 4, NA) and (SR1B_08 = 2, NA) and (SR1B_1A = 4. NA) and (SR1B_1B = 4, NA) and (SR1B_1C = 4, NA) and (SR1B_1D = 4, NA) and (SR1B_1E = 4, NA) and (SR1B_1F = 4, NA) and (SR1B_1G = 4, NA) and (SR1B_91 = 14, NA) and (SR1B_AOB = 4, NA) and (SR1B_A1C = 4, NA) and (SR1B_A2C = 4, NA)	Respondent has not used any resources in past 12 months for problems concerning emotions, mental health, or use of alcohol or drugs.
NS	(SR1B_05A = DK, R, NS) or (SR1B_08 = DK, R, NS) or (SR1B_1A = DK, R, NS) or (SR1B_1B = DK, R, NS) or (SR1B_1C = DK, R, NS) or (SR1B_1D = DK, R, NS) or (SR1B_1E = DK, R, NS) or (SR1B_1F = DK, R, NS) or (SR1B_1G = DK, R, NS) or (SR1B_91 = DK, R, NS) or (SR1B_AOB = DK, R, NS) or (SR1B_A1C = DK, R, NS) or (SR1B_A2C = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one of the questions required for calculation.

7) Number of Types of Resources Utilized in Past 12 Months for Problems Concerning Emotions, Mental Health or Use of Alcohol and Drugs

Variable name: SR1BDYCT
Based on: SR1B_05A, SR1B_08, SR1B_1A-SR1B_1G, SR1B_91, SR1B_AOB, SR1B_A1C, SR1B_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 (SR1B_05A = 4, NA) then SR1RQ005A = 0
If 1 <= SR1B_05A <= 3 then SR1RQ005A = 1
If (SR1B_08 = 2, NA) then SR1RQ008 = 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 (SR1B_1A = 4, NA) then SR1RQ021A = 0
If 1 <= SR1B_1A <= 3 then SR1RQ021A = 1
 	
If (SR1B_1B= 4, NA) then SR1RQ021B = 0
If 1 <= SR1B_1B <= 3 then SR1RQ021B = 1
 	
If (SR1B_1C = 4, NA) then SR1RQ021C = 0
If 1 <= SR1B_1C <= 3 then SR1RQ021C = 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 (SR1B_1D = 4, NA) then SR1RQ021D = 0
If 1 <= SR1B_1D <= 3 then SR1RQ021D = 1
 	
If (SR1B_1E = 4, NA) then SR1RQ021E = 0
If 1 <= SR1B_1E <= 3 then SR1RQ021E = 1
 	
If (SR1B_1F = 4, NA) then SR1RQ021F = 0
If 1 <= SR1B_1F <= 3 then SR1RQ021F = 1
 	
If (SR1B_1G = 4, NA) then SR1RQ021G = 0
If 1 <= SR1B_1G <= 3 then SR1RQ021G = 1	

If (SR1B_91 = 14, NA) then SR1RQ091 = 0 If 1 <= SR1B_91 <= 13 then SR1RQ091 = 1	Reformat 14 ("none") and NA to 0 (No). Reformat 1 to 13 to 1 (Yes).
If (SR1B_AOB = 4, NA) then SR1RQ100B = 0 If 1 <= SR1B_AOB <= 3 then SR1RQ100B = 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 (SR1B_A1C = 4, NA) then SR1RQ101C = 0 If 1 <= SR1B_A1C <= 3 then SR1RQ101C = 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 (SR1B_A2C = 4, NA) then SR1RQ102C = 0 If 1 <= SR1B_A2C <= 3 then SR1RQ102C = 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 SR1BDYCT	Condition(s)	Explanation
NS	(SR1B_05A = DK, R, NS) or (SR1B_08 = DK, R, NS) or (SR1B_1A = DK, R, NS) or (SR1B_1B = DK, R, NS) or (SR1B_1C = DK, R, NS) or (SR1B_1D = DK, R, NS) or (SR1B_1E = DK, R, NS) or (SR1B_1F = DK, R, NS) or (SR1B_1G = DK, R, NS) or (SR1B_91 = DK, R, NS) or (SR1B_AOB = DK, R, NS) or (SR1B_A1C = DK, R, NS) or (SR1B_A2C = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one of the questions required for calculation.
SR1RQ005A + SR1RQ008 + SR1RQ021A + SR1RQ021B + SR1RQ021C + SR1RQ021D + SR1RQ021E + SR1RQ021F + SR1RQ021G + SR1RQ091 + SR1RQ100B + SR1RQ101C + SR1RQ102C (min: 0; max: 12)	(SR1RQ005A = 0, 1) and (SR1RQ008 = 0, 1) and (SR1RQ021A = 0, 1) and (SR1RQ021B = 0, 1) and (SR1RQ021C = 0, 1) and (SR1RQ021D = 0, 1) and (SR1RQ021E = 0, 1) and (SR1RQ021F = 0, 1) and (SR1RQ021G = 0, 1) and (SR1RQ091 = 0, 1) and (SR1RQ100B = 0, 1) and (SR1RQ101C = 0, 1) and (SR1RQ102C = 0, 1)	Number of resources used in past 12 months for problems concerning emotions, mental health, or use of alcohol or drugs.

CF Health Care Utilization – Services 2 (4 DVs)

1) Flag Indicating Whether Help Received in Past 12 Months Concerning Emotions, Mental Health or Use of Alcohol and Drugs

Variable name: SR2BFH12
Based on: SR2B_1A, SR2B_1B, SR2B_1C, SR2B_1D, SR2B_1E, SR2B_1F, SR2B_1G, SR2B_1H
Previous Usage: None
Description: This variable indicates if help was received during the past 12 months for problems concerning emotions, mental health or use of alcohol or drugs.

Value of SR2BFH12	Condition(s)	Explanation
NS	(SR2B_1A = DK, R, NS) or (SR2B_1B = DK, R, NS) or (SR2B_1C = DK, R, NS) or (SR2B_1D = DK, R, NS) or (SR2B_1E = DK, R, NS) or (SR2B_1F = DK, R, NS) or (SR2B_1G = DK, R, NS) or (SR2B_1H = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.
1	SR2B_1A = 1 or SR2B_1B = 1 or SR2B_1C = 1 or SR2B_1D = 1 or SR2B_1E = 1 or SR2B_1F = 1 or SR2B_1G = 1	Respondent received at least one type of help during past 12 months for emotions, mental health, or use of alcohol or drugs.
2	SR2B_1A = 2 and SR2B_1B = 2 and SR2B_1C = 2 and SR2B_1D = 2 and SR2B_1E = 2 and SR2B_1F = 2 and SR2B_1G = 2 and SR2B_1H = 1	Respondent has not received any help in past 12 months for emotions, mental health, or use of alcohol or drugs.

2) Number of Types of Help Received in Past 12 Months Concerning Emotions, Mental Health or Use of Alcohol and Drugs

Variable name: SR2BDHCT
Based on: SR2B_1A, SR2B_1B, SR2B_1C, SR2B_1D, SR2B_1E, SR2B_1F, SR2B_1G, SR2B_1H
Previous Usage: None
Description: This variable identifies the number of types of help received during the past 12 months for problems concerning emotions, mental health or use of alcohol or drugs.
Note: Temporary input variables are initialized to zero and converted to '1' if condition is true.

Value of Temporary Variables	Explanation
If SR2B_1A = 2 then SR2RQ01A = 0 If SR2B_1B = 2 then SR2RQ01B = 0 If SR2B_1C = 2 then SR2RQ01C = 0 If SR2B_1D = 2 then SR2RQ01D = 0	Recode all "NO" responses from 2 to 0 (include not applicable).

If SR2B_1E = 2 then SR2RQ01E = 0 If SR2B_1F = 2 then SR2RQ01F = 0 If SR2B_1G = 2 then SR2RQ01G = 0	

Value of SR2BDHCT	Condition(s)	Explanation
NS	(SR2B_1A = DK, R, NS) or (SR2B_1B = DK, R, NS) or (SR2B_1C = DK, R, NS) or (SR2B_1D = DK, R, NS) or (SR2B_1E = DK, R, NS) or (SR2B_1F = DK, R, NS) or (SR2B_1G = DK, R, NS) or (SR2B_1H = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.
SR2RQ01A + SR2RQ01B + SR2RQ01C + SR2RQ01D + SR2RQ01E + SR2RQ01F + SR2RQ01G (min: 0; max: 7)	(SR2RQ01A = 1, 0) and (SR2RQ01B = 1, 0) and (SR2RQ01C = 1, 0) and (SR2RQ01D = 1, 0) and (SR2RQ01E = 1, 0) and (SR2RQ01F = 1, 0) and (SR2RQ01G = 1, 0)	Number of types of help used in past 12 months concerning emotions, mental health, or use of alcohol or drugs.

3)   Flag Indicating Help Was Needed and Not Received in Past 12 Months for Problems With Emotions, Mental Health or Use of Alcohol and Drugs

Variable name: SR2BFHUN
Based on: SR2B_2B, SR2B_3B, SR2B_4B, SR2B_5B, SR2B_6B, SR2B_7B
Previous Usage: None
Description: This variable indicates that some type of help was needed but not received in past 12 months for problems concerning emotions, mental health or use of alcohol or drugs.

Value of SR2BFHUN	Condition(s)	Explanation
1	SR2B_2B = 1 or SR2B_3B = 1 or SR2B_4B = 1 or SR2B_5B = 1 or SR2B_6B = 1 or SR2B_7B = 1	At least one type of help needed and not received for problems concerning emotions, mental health, or use of alcohol or drugs.
2	(SR2B_2B = 2, NA) and (SR2B_3B = 2, NA) and (SR2B_4B = 2, NA) and (SR2B_5B = 2, NA) and (SR2B_6B = 2, NA) and (SR2B_7B = 2, NA)	No help needed for problems with emotions, mental health, or use of alcohol or drugs.
NS	(SR2B_2B = DK, R, NS) or (SR2B_3B = DK, R, NS) or (SR2B_4B = DK, R, NS) or (SR2B_5B = DK, R, NS) or (SR2B_6B = DK, R, NS) or (SR2B_7B = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.

4)   Flag Indicating Help Received in the Past 12 Months But Not as Much as Needed for Problems Concerning Emotions, Mental Health or Use of Alcohol and Drugs

Variable name: SR2BFHAN
Based on: SR2B_2A, SR2B_3A, SR2B_4A, SR2B_5A, SR2B_6A, SR2B_7A
Previous Usage: None
Description: This variable indicates that some help was received in the past twelve months, but additional help was needed for problems concerning emotions, mental health or use of alcohol or drugs.

Value of SR2BFHAN	Condition(s)	Explanation
1	SR2B_2A = 2 or SR2B_3A = 2 or SR2B_4A = 2 or SR2B_5A = 2 or SR2B_6A = 2 or SR2B_7A = 2	Help was received, but additional help was needed for problems concerning emotions, mental health, or use of alcohol or drugs.
2	(SR2B_2A = 1, NA) and (SR2B_3A = 1, NA) and (SR2B_4A = 1, NA) and (SR2B_5A = 1, NA) and (SR2B_6A = 1, NA) and (SR2B_7A = 1, NA)	No (additional) help needed for problems with emotions, mental health, or use of alcohol or drugs.
NS	(SR2B_2A = DK, R, NS) or (SR2B_3A = DK, R, NS) or (SR2B_4A = DK, R, NS) or (SR2B_5A = DK, R, NS) or (SR2B_6A = DK, R, NS) or (SR2B_7A = DK, R, NS)	Respondent did not answer (don't know, refusal, not specified) at least one question required for calculation.

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: SSMADTNG
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: SSMADAFF
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: SSMADSOC
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 (8 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 < SDCBCCB < 14	Canada
2	100 <= SDCBCCB < 200 or SDCBCCB = 206	Other North America
3	200 < SDCBCCB < 206 or 206 < SDCBCCB < 500	South, Central America and Caribbean
4	500 <= SDCBCCB < 600	Europe
5	600 <= SDCBCCB < 700	Africa
6	700 <= SDCBCCB < 800	Asia
7	800 <= 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

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.

2002 Canadian Community Health Survey – Canadian Forces

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	English only

	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	
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	English & French & Other

	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)	
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	French & Other (not English)

	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)	
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 SDCB_7H > 1 and SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L > 1 and SDCB_7M > 1	White only
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 SDCB_7M > 1	Japanese only
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	South Asian 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	
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 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	Arab only
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	Latin American only

	SDCB_7I > 1 and SDCB_7J > 1 and SDCB_7K > 1 and SDCB_7L > 1 and SDCB_7M > 1	
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

8) First Official Language Learned and Still Understood

Variable name: SDCBDFL1
Based on: SDCB_6A, SDCB_6B, SDCB_6C, SDCB_6D, SDCB_6E, SDCB_6F, SDCB_6G, SDCB_6H, SDCB_6I, SDCB_6J, SDCB_6K, SDCB_6L, SDCB_6M, SDCB_6N, SDCB_6O, SDCB_6P, SDCB_6Q, SDCB_6R, SDCB_6S, SDCB_6T, SDCB_6U, SDCB_6V, SDCB_6W
Previous Usage: None
Description: First Official Language spoken and understood based on the respondent's answer.
Note: Variable created specifically for CF.

Value of SDCBDFL1	Condition(s)	Explanation
NS	(SDCB_6A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.
1	SDCB_6A = 1 and SDCB_6B > 1 and SDCB_6C > 1 and SDCB_6D > 1 and SDCB_6E > 1 and SDCB_6F > 1 and SDCB_6G > 1 and SDCB_6H > 1 and SDCB_6I > 1 and SDCB_6J > 1 and SDCB_6K > 1 and SDCB_6L > 1 and SDCB_6M > 1 and SDCB_6N > 1 and SDCB_6O > 1 and SDCB_6P > 1 and SDCB_6Q > 1 and SDCB_6R > 1 and SDCB_6S > 1 and SDCB_6T > 1 and SDCB_6U > 1 and SDCB_6V > 1 and SDCB_6W > 1	English only
2	SDCB_6A > 1 and SDCB_6B = 1 and SDCB_6C > 1 and SDCB_6D > 1 and SDCB_6E > 1 and SDCB_6F > 1 and SDCB_6G > 1 and SDCB_6H > 1 and SDCB_6I > 1 and SDCB_6J > 1 and SDCB_6K > 1 and SDCB_6L > 1 and SDCB_6M > 1 and SDCB_6N > 1 and SDCB_6O > 1 and SDCB_6P > 1 and SDCB_6Q > 1 and SDCB_6R > 1 and	French only

	SDCB_6S > 1 and SDCB_6T > 1 and SDCB_6U > 1 and SDCB_6V > 1 and SDCB_6W > 1	
3	(SDCB_6A = 1 and SDCB_6B = 1) and SDCB_6C > 1 and SDCB_6D > 1 and SDCB_6E > 1 and SDCB_6F > 1 and SDCB_6G > 1 and SDCB_6H > 1 and SDCB_6I > 1 and SDCB_6J > 1 and SDCB_6K > 1 and SDCB_6L > 1 and SDCB_6M > 1 and SDCB_6N > 1 and SDCB_6O > 1 and SDCB_6P > 1 and SDCB_6Q > 1 and SDCB_6R > 1 and SDCB_6S > 1 and SDCB_6T > 1 and SDCB_6U > 1 and SDCB_6V > 1 and SDCB_6W > 1	English and French only
4	(SDCB_6A = 1 and SDCB_6B = 1) and (SDCB_6C = 1 or SDCB_6D = 1 or SDCB_6E = 1 or SDCB_6F = 1 or SDCB_6G = 1 or SDCB_6H = 1 or SDCB_6I = 1 or SDCB_6J = 1 or SDCB_6K = 1 or SDCB_6L = 1 or SDCB_6M = 1 or SDCB_6N = 1 or SDCB_6O = 1 or SDCB_6P = 1 or SDCB_6Q = 1 or SDCB_6R = 1 or SDCB_6S = 1 or SDCB_6T = 1 or SDCB_6U = 1 or SDCB_6V = 1 or SDCB_6W = 1)	English, French and Other
5	(SDCB_6A = 1 and SDCB_6B > 1) and (SDCB_6C = 1 or SDCB_6D = 1 or SDCB_6E = 1 or	English and Other not French

	SDCB_6F = 1 or SDCB_6G = 1 or SDCB_6H = 1 or SDCB_6I = 1 or SDCB_6J = 1 or SDCB_6K = 1 or SDCB_6L = 1 or SDCB_6M = 1 or SDCB_6N = 1 or SDCB_6O = 1 or SDCB_6P = 1 or SDCB_6Q = 1 or SDCB_6R = 1 or SDCB_6S = 1 or SDCB_6T = 1 or SDCB_6U = 1 or SDCB_6V = 1 or SDCB_6W = 1)	
6	(SDCB_6A > 1 and SDCB_6B = 1) and (SDCB_6C = 1 or SDCB_6D = 1 or SDCB_6E = 1 or SDCB_6F = 1 or SDCB_6G = 1 or SDCB_6H = 1 or SDCB_6I = 1 or SDCB_6J = 1 or SDCB_6K = 1 or SDCB_6L = 1 or SDCB_6M = 1 or SDCB_6N = 1 or SDCB_6O = 1 or SDCB_6P = 1 or SDCB_6Q = 1 or SDCB_6R = 1 or SDCB_6S = 1 or SDCB_6T = 1 or SDCB_6U = 1 or SDCB_6V = 1 or SDCB_6W = 1)	French and Other not English
7	(SDCB_6A > 1 and SDCB_6B > 1) and (SDCB_6C = 1 or SDCB_6D = 1 or SDCB_6E = 1 or SDCB_6F = 1 or SDCB_6G = 1 or SDCB_6H = 1 or SDCB_6I = 1 or SDCB_6J = 1 or SDCB_6K = 1 or SDCB_6L = 1 or SDCB_6M = 1 or SDCB_6N = 1 or SDCB_6O = 1 or	Other neither English nor French

| | SDCB_6P = 1 or
SDCB_6Q = 1 or
SDCB_6R = 1 or
SDCB_6S = 1 or
SDCB_6T = 1 or
SDCB_6U = 1 or
SDCB_6V = 1 or
SDCB_6W = 1) | |

Childhood and Adult Stressors (1 DV)

1)   Childhood and Adult Stress Index

Variable Name: CASBDINX
Based on: CASB_1, CASB_2, CASB_3, CASB_4, CASB_5, CASB_6
Previous usage: None
Description: This index measures the number of traumatic events respondents have been exposed to during their childhood, adolescence or adulthood. Events included are: a lengthy hospital stay; parental divorce or separation; prolonged parental unemployment; sent away from home because of doing something wrong; frequent parental alcohol or drug use; and, apprehended by child protection service. A higher score indicates more stressors.
Note: This variable is modified from the one used in the NPHS Cycle 4 (ST_0DT1) and NPHS Cycle 1 (ST_4DT1). There are some differences between the questions used in NPHS and those used in CCHS. NPHS has a total of 7 questions while CCHS has 6. Therefore, CCHS scale ranges from 0.0 to 6.0 while NPHS ranges from 0.0 to 7.0. NPHS has two questions that CCHS does not have: "something scared you that you thought about for years afterwards" and "ever physically abused". CCHS has one question that NPHS does not have: "apprehended by child protection service".

Temporary Reformats:

Value of Temporary Reformats	Explanation
If CASB_1 <> 1 then CASRQ1 = 0 If CASB_2 <> 1 then CASRQ2 = 0 If CASB_3 <> 1 then CASRQ3 = 0 If CASB_4 <> 1 then CASRQ4 = 0 If CASB_5 <> 1 then CASRQ5 = 0 If CASB_6 <> 1 then CASRQ6 = 0	Convert the value 2 (No) to zero to permit a sum.

Temporary Variable Creation:

Value of Temporary Variable CASRCT12	Condition(s)	Explanation
CASRCT12 = CASRCT12 + 1 CASRCT12 = CASRCT12 + 1 CASRCT12 = CASRCT12 + 1 CASRCT12 = CASRCT12 + 1 CASRCT12 = CASRCT12 + 1 CASRCT12 = CASRCT12 + 1 (min: 0; max: 6)	1 <= CASB_1 <= 2 1 <= CASB_2 <= 2 1 <= CASB_3 <= 2 1 <= CASB_4 <= 2 1 <= CASB_5 <= 2 1 <= CASB_6 <= 2	Count of "yes" and "no" responses to six index items.

Value of CASBDINX	Condition(s)	Explanation
NS	0 <= CASRCT12 <= 4	Respondent who answered 4 or fewer "Yes" or "No" responses to six index questions.
((CASRQ1+ CASRQ2 + CASRQ3 + CASRQ4 + CASRQ5 + CASRQ6) * 6) / CASRCT12 (round to zero decimal) (min: 0; max: 6)	5 <= CASRCT12 <= 6	Higher values reflect more stressors.

Canadian Forces Labour Force (6 DVs)

1) Working Status Last Week (Long Form)

Variable name: FLFBDWSL
Based on: FLFB_01, FLFB_50
Previous Usage: Modification of the following variables:
CCHS Cycle 1.2: LBFBDWSL
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.
Note: This is a modification of the labour force (LBF) module variables and is not exactly the same.

Value of FLFBDWSL	Condition(s)	Explanation
1	FLFB_01 = 1	Respondent worked at a job or business
2	(FLFB_50 = 8, 9, 10, 12, 13)	Respondent had a job – on temporary or seasonal layoff
3	0 < FLFB_50 < 8 or FLFB_50 = 11 or 13 < FLFB_50 < NA	Respondent had a job – absent for some other reason
NS	(FLFB_01 = DK, R, NS) or (FLFB_50 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

2) Main Reason For Not Working Last Week

Variable name: FLFBDRNW
Based on: FLFB_01, FLFB_50
Previous Usage: Modification of the following variables:
CCHS Cycle 1.2: LBFBDRNW
CCHS Cycle 1.1: LBFADRNW
Description: This variable indicates the main reason why the respondent did not work in the week prior to the interview.
Note: The values for this variable have been changed to correspond to the values in the labour force (LBF) module of the CCHS Cycle 1.2 survey.

Value of FLFBDRNW	Condition(s)	Explanation
NA	FLFB_01 = 1	Respondent was working
2	FLFB_50 = 1	Own illness or disability
3	FLFB_50 = 2	Caring for – own children
4	FLFB_50 = 3	Caring for – elder relative
5	FLFB_50 = 4	Maternity Leave
6	FLFB_50 = 5	Other personal or family responsibilities
7	FLFB_50 = 6	Vacation
8	FLFB_50 = 14	School or educational leave
11	FLFB_50 = 7	Labour dispute (strike or lockout)
12	FLFB_50 = 8	Temporary layoff due to business conditions
13	FLFB_50 = 9	Seasonal layoff
14	FLFB_50 = 10	Casual job, no work available

18	FLFB_50 = 11	Work schedule
15	FLFB_50 = 12	Self-employed, no work available
16	FLFB_50 = 13	Seasonal business
19	FLFB_50 = 15	Other
NS	(FLFB_50 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) the question required for calculation.

3) Multiple Job Status

Variable name: FLFBDMJS
Components: FLFB_03, FLFB_51A
Previous Usage: Modification of the following variables:
CCHS Cycle 1.2: LBFBDMJS
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 FLFBDMJS	Condition(s)	Explanation
1	FLFB_51A = 52	Currently has multiple jobs – had them all past year
2	FLFB_51A < 52	Currently has multiple jobs – did not have them all past year
3	FLFB_03 = 2	Currently has only one job
NS	(FLFB_03 = DK, R, NS) or (FLFB_51A = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

4) Total Usual Hours Worked Per Week

Variable name: FLFBDHPW
Components: FLFB_42A, FLFB_42B
Previous Usage: Modification of the following variables:
CCHS Cycle 1.2: LBFBDHPW
CCHS Cycle 1.1: LBFADHPW
Description: This variable identifies the total number of hours the respondent worked per week.

Value of FLFBDHPW	Condition(s)	Explanation
FLFB_42A + FLFB_42B	FLFB_42A < NA and FLFB_42B < NA	Total number of usual hours worked for respondents with more than one job
FLFB_42B	FLFB_42B < NA and FLFB_42A = NA	Number of hours usually worked for respondents with Canadian Forces job only
NS	(FLFB_42A = DK, R, NS) or (FLFB_42B = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

5) Part-Time / Full-Time Flag (For Total Usual Hours)

Variable name: FLFBDPFT
Based on: FLFBDHPW
Previous Usage: Modification of the following variables:
CCHS Cycle 1.2: LBFBDPFT
CCHS Cycle 1.1: LBFADPFT
NPHS Cycle 4: LSC0DPFT
Description: This variable indicates if the respondent works full-time or part-time.

Value of FLFBDPFT	Condition(s)	Explanation
NS	FLFBDHPW = NS	Respondent has a non-response (not stated) value in the derived variable required for calculation.
1	30 <= FLFBDHPW <= 168	Full-time
2	1 <= FLFBDHPW < 30	Part-time

6) Job Status Over Past Year

Variable name: FLFBDJST
Based on: FLFB_61, FLFB_71
Previous Usage:
CCHS Cycle 1.2: LBFBDJST
CCHS Cycle 1.1: LBFADJST
NPHS Cycle 4: LSC0DJST
Description: This variable indicates the respondent's job status over the past year.

Value of FLFBDJST	Condition(s)	Explanation
1	FLFB_61 = 52	Respondent has had a job throughout the past year.
4	(FLFB_61 + FLFB_71) = 52 and FLFB_61 < 52 and 0 < FLFB_71 < 52	Respondent had a job part of the year – was without a job and looking for other part of the year.
5	FLFB_61 < 52 and FLFB_71 = 0	Respondent had a job part of the year – was without a job and not looking for other part of the year.
7	(FLFB_61 + FLFB_71) < 52 and FLFB_61 < 52 and 0 < FLFB_71 < 52	Respondent 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	(FLFB_61 = DK, R, NS) or (FLFB_71 = DK, R, NS)	Respondent did not answer (don't know, refusal, not stated) at least one question required for calculation.

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_0DW12
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
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_0DW13
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
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_0DW14
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
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_0DW15
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
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_0DW16
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
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_0DW17
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
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: INCBDIA2
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 INCBDIA2	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: INCBDIA4
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: INC0DIA4
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 INCBDIA4	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: INCBDIA5
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: INC0DIA5
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 INCBDIA5	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	Highest Income > $60,000 if 1 or 2; > $80,000 if 3+

	DHHBDHSZ >= 3 and INCB_3G = 4	
NS	Else	Respondent didn't give enough information to be classified.

4) Total Household Income, All Sources

Variable name: INCBDHH
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: INC0DHH
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 INCBDHH	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: INC0DPER
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.

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

Appendix 1 - Regular Force Occupation Titles and MOC Codes

Title	Abbreviation	MOSID	Code
Aerospace Control	AEC	00184	39
Aerospace Control - Radar Control		00104	170
Aerospace Control Operator	AC OP	00104	168
Aerospace Control Operator - Aerospace Operator	AC OP - AERO OP	00104	169
Aerospace Engineering	AERE	00185	41
Aerospace Telecommunications and Information Systems Technician	ATIS TECH	00109	226
Air Navigator – Maritime	ANAV - MAR	00182	31
Air Navigator – Transport	ANAV - TPT	00182	31
Air Traffic Control	ATC	00268	63
Air Weapons Control	AWC	00269	64
Airborne Electronic Sensor Operator	AES OP	00019	081
Aircraft Structures Technician	ACS TECH	00138	565
Airfield Engineering	AF ENGR	00189	46
Ammunition Technician	AMMO TECH	00169	921
Armour	ARMOUR-ARMD	00178	21
Artillery	ARTY	00179	22
Artilleryman Air Defence	ARTYMN AD	00009	022
Artilleryman Field	ARTYMN FD	00008	021
Aviation Systems Technician	AVN TECH	00135	514
Avionic Systems	AVS TECH	00136	526
Biomedical Electronics Technician – Senior	BE TECH - SNR	00155	718
Biomedical Technician	BE TECH	00155	736
Boatswain	BOSN	00105	181
Chaplain (RC)	CHAP(RC)	00201	62
Chaplain (P)	CHAP(P)	00200	61
Clearance Diver	CL DIV	00127	341
Clearance Diver Technician	CL DIV TECH	00128	342
Combat Engineer	CBT ENGR	00339	043
Communications and Electronics Engineering	CELE	00186	42
Communications and Electronics Engineering - Land Operations	CELE(L)	00186	42
Communications and Electronics Engineering - Air Operations	CELE(A)	00186	42
Communicator Research	COMM RSCH	00120	291
Construction Engineering Superintendent	CE SUPT	00307	649
Construction Technician	CONST TECH	00306	648
Cook	COOK	00164	861
Court Reporter	CRT RPTR	00322	833
Crewman	CRMN	00005	011

Title	Abbreviation	MOSID	Code
Dental	DENT	00191	51
Dental - Dental Specialist	DENT-SPEC	00191	51
Dental Technician	DENT TECH	00335	738
Dental Technician – Hygienist	DENT TECH - HYGST	00335	725
Electrical Distribution Technician	ED TECH	00302	642
Electrical Generating Systems Technician	EGS TECH	00303	643
Electrical Technician	E TECH	00125	331
Engineers	ENGRS	00181	24
Field Engineer	FD ENGR	00012	041
Field Engineer Equipment Operator	FEE OP	00013	042
Fire Control Systems Technician	FCS TECH	00327	434
Fire Fighter	FIRE FTR	00149	651
Flight Engineer	FLT ENGR	00021	091
General Officer	GOL	00172	11
General Officer Specialist – Chaplain (P)	GOS-CHAP(P)	00175	12
General Officer Specialist – Chaplain (RC)	GOS-CHAP(RC)	00175	12
General Officer Specialist – Dental	GOS-DENT	00175	12
General Officer Specialist – Legal	GOS-LEG	00175	12
General Officer Specialist – Medical	GOS-MED	00175	12
Geomatics Technician	GEO TECH	00238	142
Health Care Administration	HCA	00192	48
Health Service Operations	HSO	00193	52
Hull Technician	H TECH	00124	321
Imagery Technician	IMAGE TECH - PROCESS LAB	00137	541
Infantry	INF	00180	23
Infantryman	INFMN	00010	031
Intelligence Officer	INT	00213	82
Intelligence Operator	INT OP	00099	111
Land Communications and Information Systems Technician	LCIS TECH	00110	227
Land Electrical and Mechanical Engineering	EME	00187	43
Legal	LEGAL	00204	67
Lineman	LMN	00015	052
Logistics	LOG	00328	78
Logistics – Air	LOG-AIR	00328	78
Logistics – Land	LOG-LAND	00328	78
Logistics – Sea	LOG-SEA	00328	78
Marine Electrician	MAR EL	00126	332
Marine Engineering Artificer	MAR ENG ART	00123	314
Marine Engineering Mechanic	MAR ENG MECH	00121	312
Marine Engineering Technician	MAR ENG TECH	00122	313
Maritime Engineering	MARE	00188	44

Title	Abbreviation	MOSID	Code
Maritime Engineering - Combat Systems	MARE-CS	00188	44
Maritime Engineering - Marine Systems	MARE-MS	00188	44
Maritime Engineering - Naval Architecture	MARE-NA	00188	44
Maritime Engineering - Naval Construction	MARE-NC	00188	44
Maritime Surface and Sub-Surface - Clearance Diving	MARS-CL DIV	00207	71
Maritime Surface and Sub-Surface - Software Programmer	MARS- OPS S/W	00207	71
Maritime Surface and Sub-Surface - Submarine	MARS-SUB	00207	71
Maritime Surface and Sub-Surface - Surface Ship	MARS		71
Maritime Surface and Sub-Surface - Surface Ship	MARS-SS	00207	71
Materials Technician	MAT TECH	00134	441
Medical	MED	00196	55
Medical Associate Officer	MAO	00197	56
Medical Laboratory Technician	MLAB TECH	00152	734
Medical Laboratory Technician - Senior	MLAB TECH - SNR	00152	714
Medical Technician	MED TECH	00334	737
Medical Technician - Aero-medical Technician	MED TECH - AERO MED	00334	731
Medical Technician - Junior Preventive Medicine Technician	MED TECH - JR PMED	00334	733
Medical Technician - Operating Room Technician	MED TECH - OR	00334	713
Medical Technician - Physician Assistant	MED TECH - PA	00334	732
Medical Technician - Senior Preventive Medicine Technician	MED TECH - SNR PMED	00334	716
Medical – Medical Specialist	MED-SPEC	00196	55
Meteorological Technician	MET TECH	00100	121
Military Police	MP	00161	811
Military Police Officer (MPO)	MPO	00214	81
Mobile Support Equipment Operator	MSE OP	00171	935
Music	MUSIC	00210	75
Musician	MUSICIAN	00166	871
Naval Combat Information Operator	Reg F NCI OP	00114	275
Naval Communicator	NAV COMM	00299	277
Naval Electronic Sensor Operator	NES OP	00115	276
Naval Electronics Technician (Acoustic)	NE TECH(A)	00116	283
Naval Electronics Technician (Communications)	NE TECH(C)	00117	284
Naval Electronics Technician (Manager)	NE TECH(M)	00119	286
Naval Electronics Technician (Tactical)	NE TECH(T)	00118	285
Naval Weapons Technician	NW TECH	00017	065
Nursing	NUR	00195	57
Oceanographic Operator	OCEAN OP	00106	191
Personnel Administration	PADM	00205	68
Personnel Selection	PSEL	00208	72

Title	Abbreviation	MOSID	Code
Pharmacy	PHARM	00194	54
Physical Therapy	PHY TH	00190	49
Pilot	PLT	00183	32
Plumbing and Heating Technician	PH TECH	00304	646
Postal	POST	00212	76
Postal Clerk	POST CLK	00167	881
Public Affairs	PAFF	00203	66
Radio Operator	RAD OP	00222	211
Refrigeration and Mechanical Technician	RM TECH	00301	641
Resource Management Support Clerk	RMS CLK	00298	836
Search and Rescue Technician	SAR TECH	00101	131
Signal Operator	SIG OP	00329	215
Social Work	SOCW	00198	58
Steward	STWD	00165	862
Supply Technician	SUP TECH	00168	911
Tactical Acoustic Sensor Operator	TAS OP	00324	278
Teletype Operator	TEL OP	00216	212
Traffic Technician	TFC TECH	00170	933
Training	TRG	00240	98
Training – Air	TRG-AIR	00240	98
Training – Engineering	TRG-ENG	00240	98
Training – Land	TRG-LAND	00240	98
Training – Sea	TRG-SEA	00240	98
Training – Special	TRG-SP	00240	98
Training Development	TRG DEV	00211	74
Vehicle Technician	VEH TECH	00129	411
Water, Fuel and Environmental Technician	WFE TECH	00305	647
Weapons Technician (land)	W TECH L	00130	421
X-RAY TECH – SNR	X RAY TECH - SNR	00153	715
X-ray Technician	X TECH	00153	735

Appendix 2 - Reserve Force Occupation Titles and MOC Codes

Title	Abbreviation	MOSID	Code
Aerosapce Control Operator - Aerospace Control	AC OP - AERO OP	00104	R169
Aerospace Control - Radar Control	AC OP – RDR CONT	00104	R170
Aerospace Telecommunications and Information Systems Technician	ATIS TECH	00109	R226
Air Navigator – Maritime	ANAV – MAR	00182	R31
Air Navigator – Transport	ANAV – TPT	00182	R31
Airborne Electronic Sensor Operator HS Sensor Operations	AES OP-HS SENS OP	00019	R082
Airborne Electronic Sensor Operator MP Sensor Operations	AES OP-MP SENS OP	00019	R081
Aircraft Structures – Machinist	ACS TECH-MACH	00138	R567
Aircraft Structures – Metal	ACS TECH-MTL	00138	R566
Aircraft Structures – Refinisher	ACS TECH-REF	00138	R568
Aircraft Structures – Technician	ACS TECH	00138	R565
Armour Armoured	ARMD	00178	R25
Armour Reconnaissance	RECCE	00178	R26
Artillery Air Defence	ARTY-AD	00179	R28
Artillery Field	ARTY-FD	00179	R27
Artilleryman Air Defence	ARTYMN AD	00009	R022
Artilleryman Field	ARTYMN FD	00008	R021
Aviation Systems – Technician	AVN TECH	00135	R514
Avionic Systems – Lab	AVS TECH-LAB	00136	R528
Avionic Systems – Maintenance	AVS TECH-MAINT	00136	R527
Avionic Systems – Technician	AVS TECH	00136	R526
Boatswain	BOSN	00105	R181
Cadet Instructor List - Air	CIC-AIR	00232	R93
Cadet Instructor List - Army	CIC-ARMY	00232	R92
Cadet Instructor List - Sea	CIC-SEA	00232	R91
Canadian Rangers	CDN RANG	00228	R95
Chaplain (RC)	CHAP(RC)	00201	R62
Chaplain (P)	CHAP(P)	00200	R61
Communications and Electronics Engineering	CELE	00186	R42
Communications and Electronics Engineering	CELE	00186	R42
Construction Engineer Superintendent	CE SUPT	00307	R649
Construction Technician	CONST TECH	00306	R648
Cook	COOK	00164	R861
Crewman Armoured	CRMN ARMD	00005	R012
Crewman Reconnaissance	CRMN RECCE	00005	R013
Dental – Specialist	DENT-SPEC	00191	R51
Dental Technician - Dental Clinic Assistant	DENT TECH - DENT CL A	00335	R722
Diver	DIV	00226	R345
Electrical Distribution Technician	ED TECH	00302	R642
Electrical Generating Systems Technician	EGS TECH	00303	R643

Title	Abbreviation	MOSID	Code
Engineers	ENGRS	00181	R24
Field Engineer	FD ENGR	00012	R041
Flight Engineer	FLT ENGR	00021	R091
General Officer	GOL	00172	R11
Health Care Administration	HCA	00192	R48
Health Service Operations	HSO	00193	R52
Imagery Technician	IMAGE TECH	00137	R541
Infantry	INF	00180	R23
Infantryman	INFMN	00010	R031
Intelligence Officer	INT	00213	R82
Intelligence Operator	INT OP	00099	R111
Land Communications and Information Systems Technician	LCIS TECH	00110	R227
Land Electrical and Mechanical Engineering	EME	00187	R43
Legal	LEGAL	00204	R67
Lineman	LMN	00015	R052
Marine Engineering Systems Operator	MAR ENG SYS OP	00225	R315
Maritime Surface and Sub-Surface	MARS	00207	R71
Medical	MED	00196	R55
Medical Assistant	MED A	00150	R711
Medical Technician - (Air Reserve)	MED TECH (A)		R731
Medical Technician - (Militia)	MED TECH (M)		R731
Medical Technician - Medical Assistant - Air Reserve	MED TECH - MED A (AR)	00150	R711
Medical Technician - Medical Assistant - Militia	MED TECH - MED A (M)	00150	R711
Medical - Medical Specialist	MED-SPEC	00196	R55
Meteorologist	MET	00209	R73
Military Police	MP-M/A	00161	R811
Military Police Officer	MPO	00214	R81
Mobile Support Equipment Operator	MSE OP	00171	R935
Music	MUSIC	00210	R75
Musician	MUSICIAN	00166	R871
Naval Combat Information Operator	P Res NCI OP	00114	R275
Naval Communicator	NAV COMM	00299	R277
Naval Control Of Shipping	NCS	00215	R86
Nursing	NUR	00195	R57
Personnel Administration	PADM	00205	R68
Personnel Selection	PSEL	00208	R72
Pharmacy	PHARM	00194	R54
Pilot	PLT	00183	R32
Plumbing and Heating Technician	PH TECH	00304	R646
Public Affairs	PAFF	00203	R66
Radio and Teletype Operator	RT OP	00280	R214
Refrigeration and Mechanical Technician	RM TECH	00301	R641

Title	Abbreviation	MOSID	Code
Resource Management Support Clerk	RMS CLK	00298	R836
Signal Operator	SIG OP	00329	R215
Supply Technician	SUP TECH	00168	R911
Traffic Technician	TFC TECH	00170	R933
Vehicle Technician	VEH TECH	00129	R411
Water, Fuel and Environmental Technician	WFE TECH	00305	R647
Weapons Technician (Land)	W TECH L	00130	R421