Canada

Health Statistics Division, Statistics Canada

Canadian Community Health Survey, 2017-2018: Annual Component

Study Documentation

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Canadian Community Health Survey, 2017-2018: Annual Component (CCHS 2017-2018: Annual Component)

Enquête sur la santé dans les collectivités canadiennes, 2017-2018: Composante annuelle

Overview

Type	Canadian Community Health Survey
Identification	cchs-82M0013-E-2017-2018-Annual-component
Series	The central objective of the Canadian Community Health Survey (CCHS) is to gather health-related data at the sub-provincial levels of geography (health region or combined health regions).

Abstract

In 1991, the National Task Force on Health Information cited a number of issues and problems with the health information system. To respond to these issues, the Canadian Institute for Health Information (CIHI), Statistics Canada and Health Canada joined forces to create a Health Information Roadmap. From this mandate, the Canadian Community Health Survey (CCHS) was conceived.

The CCHS is a cross-sectional survey that collects information related to health status, health care utilization and health determinants for the Canadian population. The survey is offered in both official languages. It relies upon a large sample of respondents and is designed to provide reliable estimates at the health region level every 2 years.

The CCHS has the following objectives:

- Support health surveillance programs by providing health data at the national, provincial and intra-provincial levels;
- Provide a single data source for health research on small populations and rare characteristics;
- Timely release of information easily accessible to a diverse community of users;
- Create a flexible survey instrument that includes a rapid response option to address emerging issues related to the health of the population.

The CCHS produces an annual microdata file and a file combining two years of data. The CCHS collection years can also be combined by users to examine populations or rare characteristics.

The primary use of the CCHS data is for health surveillance and population health research. Federal and provincial departments of health and human resources, social service agencies, and other types of government agencies use the information collected from respondents to monitor, plan, implement and evaluate programs to improve the health of Canadians. Researchers from various fields use the information to conduct research to improve health. Non-profit health organizations and the media use the CCHS results to raise awareness about health, an issue of concern to all Canadians.

The survey began collecting data in 2001 and was repeated every two years until 2005. Starting in 2007, data for the Canadian Community Health Survey (CCHS) were collected annually instead of every two years. While a sample of approximately 130,000 respondents were interviewed during the reference periods of 2001, 2003 and 2005, the sample size was changed to 65,000 respondents each year starting in 2007.

In 2012, CCHS began work on a major redesign project that was completed and implemented for the 2015 cycle. The objectives of the redesign were to review the sampling methodology, adopt a new sample frame, modernize the content and review the target population. Consultations were held with federal, provincial and territorial share partners, health region authorities and academics.

As a result of the redesign, the current CCHS has a new collection strategy, is drawing the sample from two different frames and has undergone major content revisions. With all these factors taken together, caution should be taken when comparing data from previous cycles to data released for the 2015 cycle onwards.

Kind of Data	Survey microdata
Unit of Analysis	Individuals

Scope & Coverage

Keywords	Alcohol, Breast examination, Cancer, Chronic Conditions, Depression, Diabetes, Diseases and health conditions, Driving, Drug use, Food Security, Health care services, Health Professionals, Lifestyle and social conditions, Mental health and well-being, Smoking, Stressors

Topics	Health
Time Period(s)	2017-2018
Countries	Canada

Geographic Coverage
Canada, Provinces, Territories

Universe
The CCHS covers the population 12 years of age and over living in the ten provinces. The three territories are covered over two years of collection
Excluded from the survey's coverage are: persons living on reserves and other Aboriginal settlements in the provinces; full-time members of the Canadian Forces; youth aged 12 to 17 living in foster homes; the institutionalized population; and persons living in the Quebec health regions of Nunavik and Terres-Cries-de-la-Baie-James. Altogether, these exclusions represent less than 3% of the target population.

Producers & Sponsors

Primary Investigator(s)	Health Statistics Division, Statistics Canada
Other Producer(s)	Health Statistics Division (HSD) , Statistics Canada

Sampling

Sampling Procedure
To provide reliable estimates at the health region (HR) level, a sample of 130,000 respondents is required on a two years basis: 120,000 respondents to cover the population aged 18 and over and 10,000 respondents to cover the population aged 12 to 17 years.
Since 2015, a multi-stage sample allocation strategy is used to give relatively fair sample distribution to the HRs and the provinces. For each age group (18 and over, 12 to 17), the sample is first allocated among the provinces using a power allocation of 0.75 according to the size of their respective population. Each province's sample is then allocated among its HRs using a power allocation of 0.35 according to the size of the population in each HR.
From 2015 onwards, the CCHS sample is selected using two different frames: an Area frame and the Canadian Child Tax Benefit (CCTB) frame. Using the Area frame, a sample of dwellings is selected to target the population aged 18 and over. During collection, all members of the dwelling are listed and a person aged 18 years or over is automatically selected using various selection probabilities based on age and household composition. The CCTB frame is used to sample persons aged 12 to 17 years. One child is then pre-selected to complete the survey.
The area frame is mainly designed to serve the Labour Force Survey (LFS). Thus, the sampling plan of the LFS must be considered in selecting the CCHS dwelling sample. The LFS plan is a complex two stage stratified design in which each stratum is formed of clusters. The LFS first selects clusters using a sampling method with a probability proportional to size (PPS), and then the final sample is chosen using a systematic sampling of dwellings in the cluster. For CCHS, LFS clusters are grouped in each HR. Then, a sample of clusters and systematic dwellings are selected in each HR. The process maximises the overlap between the clusters selected by both surveys and ensures that the same dwelling is selected only once.
For the CCTB frame, a HR is assigned to each child in the target population based on the address. The CCTB frame is then stratified by HR. A simple random sample (SRS) of children aged 12 to 17 is selected within each HR.
The size of the sample is enlarged during the selection process to account for non responses and units outside the coverage (for example, vacant dwellings, institutions, children not eligible due to age or death, etc.).

Response Rate
In total, 94,588 of the selected units in the2018CCHS were in-scope for the survey11, out of which a response was obtained for 55,600 individuals, resulting in a response rate of 58,8%. Appendix E provides the counts of in-scope units, the counts of respondents and the resulting response rates, by province and health region. These figures are provided for the adults and for the youths separately, as well as for the complete CCHS sample.

Weighting
Weight variable = WTS_M (Weights - Master)

The principle behind estimation in a probability sample such as CCHS is that each person in the sample "represents", besides himself or herself, several other persons not in the sample. For example, in a simple random 2% sample of the population, each person in the sample represents 50 persons in the population. In the terminology used here, it can be said that each person has a weight of 50.
The weighting phase is a step that calculates, for each person, his or her associated sampling weight. This weight appears on the microdata files, and must be used to derive meaningful estimates from the survey. For example, if the number of individuals who smoke daily is to be estimated, it is done by selecting the records referring to those individuals in the sample having that characteristic and summing the weights entered on those records.

Data Collection

Data Collection Dates	start 2017-01 end 2018-12
Time Period(s)	start 2016-01 end 2017-12
Data Collection Mode	The CCHS uses two separate CAI applications to collect data, one for telephone interviews (CATI) and one for personal interviews (CAPI). This was done in order to customise each application's functionality to the type of interview being conducted. Each application consisted of an entry component, a health content, and an exit component. Between January and December 2018, approximately 54,100 valid interviews were conducted using CAI. Approximately 25% of these completed cases were conducted in person using CAPI, and the other 75% were conducted over the phone using CATI. CAI offers two main advantages over other collection methods. First, CAI offers a case management system and data transmission functionality. This case management system automatically records important management information for each attempt on a case and provides reports for the management of the collection process. CAI also provides an automated call scheduler, i.e. a central system to optimise the timing of call-backs and the scheduling of appointments used to support CATI collection. The case management system routes the questionnaire applications and sample files from Statistics Canada's main office to regional collection offices (in the case of CATI) and from the regional offices to the interviewers laptops (for CAPI). Data returning to the main office takes the reverse route. To ensure confidentiality, the data is encrypted before transmission. The data are then decrypted when they are on a separate secure computer with no remote access. Second, CAI allows for custom interviews for every respondent based on their individual characteristics and survey responses. This includes: • questions that are not applicable to the respondent are skipped automatically • edits to check for inconsistent answers or out-of-range responses are applied automatically and on-screen prompts are shown when an invalid entry is recorded. Immediate feedback is given to the respondent and the interviewer is able to correct any inconsistencies • question text, including reference periods and pronouns, is customised automatically based on factors such as the age

Questionnaires

Each component of the CCHS questionnaire is developed in collaboration with specialists from Statistics Canada, other federal and provincial departments and/or academic fields. The CCHS questions are designed for computer-assisted interviewing (CAI), meaning that, as the questions were developed, the associated logical flow into and out of the questions was programmed. This includes specifying the type of answer required, the minimum and maximum values, on-line edits associated with the question and what to do in case of item non-response.
CCHS content is comprised of four components. Core content is asked of all respondents and remains stable over time. Theme content is asked of all respondents for one or two years and alternates from year to year. Optional content is chosen by provincial and territorial stakeholders in coordination with health regions and is only asked in provinces and territories that selected the module. Rapid Response modules are cost-recovery projects asked of all respondents living in the ten provinces, usually for one collection period (3 months). The optional content fulfils the unique data needs of each province or territory and may vary from year to year. The Rapid Response component is offered to organizations interested in national estimates

on an emerging or specific issue related to the population's health. Provincial estimates may also be yielded from a Rapid Response, however they may be of limited quality. A Rapid Response component may be added to the survey in each three-month collection period. The data will be released about six months after the collection period via an announcement in The Daily.
New modules and revisions to existing CCHS content are tested using different methods. Qualitative tests using individual cognitive interviews or, more rarely, focus groups are used to ensure that questions and concepts are appropriately worded. The computer application for data collection is extensively tested in-house each time changes are made. The objective of these tests is to identify any errors in the program flow and text before the start of the main survey.

Data Collector(s)	Health Statistics Division (HSD) , Statistics Canada

Data Processing & Appraisal

Estimates of Sampling Error
Since it is an unavoidable fact that estimates from a sample survey are subject to sampling error, sound statistical practice calls for researchers to provide users with some indication of the magnitude of this sampling error. The basis for measuring the potential size of sampling errors is the standard deviation of the estimates derived from survey results. However, because of the large variety of estimates that can be produced from a survey, the standard deviation of an estimate is usually expressed relative to the estimate to which it pertains. This resulting measure, known as the coefficient of variation (CV) of an estimate, is obtained by dividing the standard deviation of the estimate by the estimate itself and is expressed as a percentage of the estimate.
For example, suppose hypothetically that it is estimated that 25% of Canadians aged 12 and over are regular smokers and that this estimate is found to have a standard deviation of 0.003. Then the CV of the estimate is calculated as: (0.003/0.25) x 100% = 1.20%
Statistics Canada commonly uses CV results when analyzing data and urges users producing estimates from the CCHS data files to also do so. For details on how to determine CVs, see Section 11. For guidelines on how to interpret CV results, see the table at the end of sub-section 10.4.

Accessibility

Access Authority	Data Liberation Initiative (DLI) (Statistics Canada)
Contact(s)	Data Liberation Initiative (Statistics Canada) , http://www.statcan.gc.ca/eng/dli/dli
Distributor(s)	Data Liberation Initiative

Citation Requirements
Statistics Canada hereby grants to the Licensee a non-exclusive, non-assignable and non-transferable licence to use the Microdata files and related documentation for statistical and research purposes. The Microdata files shall not be used for any other purposes without the prior written consent of Statistics Canada. (Appendix 1, Section 6, DLI Licence Agreement - Microdata Files).

Rights & Disclaimer

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Files Description

Dataset contains 1 file(s)

cchs_annual_2015_2016	
# Cases	113290
# Variable(s)	1051

Variables Group(s)

Dataset contains 65 group(s) total - showing a subset of 14

Group Access to health care services

#	Name	Label	Type	Format	Valid	Invalid	Question
1	DOACC	Access to health care services - Inclusion flag - (F)	discrete	numeric-1.0	113290	0	-

Group Depression

#	Name	Label	Type	Format	Valid	Invalid	Question
1	DODEP	Depression - Inclusion Flag - (F)	discrete	numeric-1.0	113290	0	-

Group Dwelling and household

#	Name	Label	Type	Format	Valid	Invalid	Question
1	DHH_SEX	Sex	discrete	numeric-1.0	113290	0	Is [respondent name] male or female?
8	DHHGAGE	Age	discrete	numeric-2.0	113290	0	What is your age?

Group Distress

#	Name	Label	Type	Format	Valid	Invalid	Question
1	DODIS	Distress - Inclusion Flag - (F)	discrete	numeric-1.0	113290	0	-

Group Educational Attainment

#	Name	Label	Type	Format	Valid	Invalid	Question
2	EHG2DVH3	Highest level of education - household, 3 levels - (D)	discrete	numeric-1.0	109760	3530	-

Group Canada’s Food Guide use

#	Name	Label	Type	Format	Valid	Invalid	Question
2	FGU_005	Seen / heard of Canada's Food Guide (CFG) - lifetime	discrete	numeric-1.0	936	112354	Have you ever seen or heard of Canada’s Food Guide?
3	FGU_010	Used information from Canada's Food Guide (CFG) - lifetime	discrete	numeric-1.0	816	112474	Have you ever used information from Canada’s Food Guide?
4	FGU_015A	Used CFG - to choose foods	discrete	numeric-1.0	443	112847	What did you use the information for?- To choose foods for [you / you or household members]
5	FGU_015B	Used CFG - determine quantity of food needed every day	discrete	numeric-1.0	443	112847	What did you use the information for?- To determine how much [you / you or household members] need to eat every day
6	FGU_015C	Used CFG - to plan meals / grocery shopping	discrete	numeric-1.0	443	112847	What did you use the information for?- To plan meals or to help with grocery shopping

#	Name	Label	Type	Format	Valid	Invalid	Question
7	FGU_015D	Used CFG - assess how well household members are eating	discrete	numeric-1.0	443	112847	What did you use the information for?- To assess how well [you / you or household members] are eating

Group Food security

#	Name	Label	Type	Format	Valid	Invalid	Question
2	FSC_010	Worried food would run out - 12 mo	discrete	numeric-1.0	112091	1199	The first statement is: [You / You and other household members] worried that foodwould run out before you got money to buy more. Was that often true, sometimes true,or never true in the past 12 months?
22	FSCDVHFS	Household food security status - modified version - (D)	discrete	numeric-1.0	111511	1779	-

Group Fruit and vegetable consumption

#	Name	Label	Type	Format	Valid	Invalid	Question
1	FVCDVJUI	Daily consumption - pure fruit juice - (D)	continuous	numeric-5.1	2601	110689	-

Group Height and weight

#	Name	Label	Type	Format	Valid	Invalid	Question
3	HWTDGHTM	Height (metres) - self-reported - (D)	continuous	numeric-5.3	107959	5331	-
4	HWTDGWTK	Weight (kilograms) - self-reported - (D)	continuous	numeric-6.2	105913	7377	-

Group Income

#	Name	Label	Type	Format	Valid	Invalid	Question
3	INCDGHH	Total household income - all sources - (D)	discrete	numeric-1.0	113131	159	-

Group Health insurance coverage

#	Name	Label	Type	Format	Valid	Invalid	Question
1	DOINS	Health insurance coverage - Inclusion Flag - (F)	discrete	numeric-1.0	113290	0	-

Group Socio-demographic characteristics

#	Name	Label	Type	Format	Valid	Invalid	Question
5	SDCDGCB	Country of birth - grouped - (D)	discrete	numeric-1.0	111639	1651	-
8	SDCDGCGT	Cultural / racial background - (D)	discrete	numeric-1.0	105064	8226	-

Group Unmet health care needs

#	Name	Label	Type	Format	Valid	Invalid	Question
1	DOUCN	Unmet health care needs - Inclusion Flag - (F)	discrete	numeric-1.0	113290	0	-

Variables Description

Dataset contains 1051 variable(s) total - showing a subset of 22

File : cchs_annual_2015_2016

DHH_SEX: Sex

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=113290 / 31274372.01] [Invalid=0 / 0]
Universe	All respondents
Literal question	Is [respondent name] male or female?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Male	52402	15432670.6	49.3%
2	Female	60888	15841701.4	50.7%
6	Valid skip	0	0.0	
7	Don't know	0	0.0	
8	Refusal	0	0.0	
9	Not stated	0	0.0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

DHHGAGE: Age

Information	[Type= discrete] [Format=numeric] [Range= 1-16] [Missing=*]
Statistics [NW/ W]	[Valid=113290 / 31274372.01] [Invalid=0 / 0]
Literal question	What is your age?
Notes	This variable has been grouped as a form of disclosure control.

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Age between 12 and 14	4478	1163284.4	3.7%
2	Age between 15 and 17	4176	1087783.2	3.5%
3	Age between 18 and 19	1905	871453.0	2.8%
4	Age between 20 and 24	5126	2176384.6	7.0%
5	Age between 25 and 29	6942	2491230.1	8.0%
6	Age between 30 and 34	8155	2714195.8	8.7%
7	Age between 35 and 39	7583	2458687.9	7.9%
8	Age between 40 and 44	7284	2320065.8	7.4%
9	Age between 45 and 49	7042	2387507.2	7.6%
10	Age between 50 and 54	8126	2487554.2	8.0%
11	Age between 55 and 59	9898	2614997.6	8.4%
12	Age between 60 and 64	10177	2476495.6	7.9%
13	Age between 65 and 69	10733	2075076.5	6.6%
14	Age between 70 and 74	8322	1607969.1	5.1%
15	Age between 75 and 79	5800	1076343.3	3.4%
16	Age 80 and older	7543	1265343.6	4.0%
96	Valid skip	0	0.0	
97	Don't know	0	0.0	
98	Refusal	0	0.0	
99	Not stated	0	0.0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

EHG2DVH3: Highest level of education - household, 3 levels - (D)

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=109760 / 29864811.56] [Invalid=3530 / 1409560.45]

File : cchs_annual_2015_2016

EHG2DVH3: Highest level of education - household, 3 levels - (D)

Universe	See documentation on derived variables.

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Less than secondary school graduation	10814	1674855.6	5.6%
2	Secondary school graduation, no post-secondary education	18121	4163803.0	13.9%
3	Post-secondary certificate diploma or univ degree	80825	24026152.9	80.4%
6	Valid skip	0	0.0	
7	Don't know	0	0.0	
8	Refusal	0	0.0	
9	Not stated	3530	1409560.4	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

HWTDGHTM: Height (metres) - self-reported - (D)

Information	[Type= continuous] [Format=numeric] [Range= 1.27-1.956] [Missing=*]
Statistics [NW/ W]	[Valid=107959 / 29644621.61] [Invalid=5331 / 1629750.4] [Mean=1.69 / 1.696] [StdDev=0.101 / 0.102]
Universe	See documentation on derived variables.
Notes	This variable has been grouped as a form of disclosure control.

Value	Label	Cases	Weighted	Percentage (Weighted)
9.996	Valid skip	0	0.0	
9.997	Don't know	0	0.0	
9.998	Refusal	0	0.0	
9.999	Not stated	5331	1629750.4	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

HWTDGWTK: Weight (kilograms) - self-reported - (D)

Information	[Type= continuous] [Format=numeric] [Range= 30.6-135] [Missing=*]
Statistics [NW/ W]	[Valid=105913 / 29127851.32] [Invalid=7377 / 2146520.69] [Mean=75.881 / 75.262] [StdDev=18.086 / 17.864]
Universe	See documentation on derived variables.
Notes	This variable has been grouped as a form of disclosure control.If a respondent reported a weight below or above a threshold deemed to be a disclosurerisk, the value for HWTDGWTK is taken to be that threshold. The thresholds used varyby age group and sex.

Value	Label	Cases	Weighted	Percentage (Weighted)
999.96	Valid skip	0	0.0	
999.97	Don't know	0	0.0	
999.98	Refusal	0	0.0	
999.99	Not stated	7377	2146520.7	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

FVCDVJUI: Daily consumption - pure fruit juice - (D)

Information	[Type= continuous] [Format=numeric] [Range= 0-47] [Missing=*]
Statistics [NW/ W]	[Valid=2601 / 92607.46] [Invalid=110689 / 31181764.55] [Mean=0.406 / 0.415] [StdDev=0.754 / 0.781]
Universe	See documentation on derived variables.
Notes	Derived from ADM_PRX, FVC_005, FVC_005A

Value	Label	Cases	Weighted	Percentage (Weighted)
999.6	Valid skip	110584	31177674.2	

File : cchs_annual_2015_2016

FVCDVJUI: Daily consumption - pure fruit juice - (D)

Value	Label	Cases	Weighted	Percentage (Weighted)
999.7	Don't know	0	0.0	
999.8	Refusal	0	0.0	
999.9	Not stated	105	4090.4	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

FGU_005: Seen / heard of Canada's Food Guide (CFG) - lifetime

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=936 / 32232.88] [Invalid=112354 / 31242139.13]
Universe	Respondents with DOFGU = 1
Literal question	Have you ever seen or heard of Canada’s Food Guide?
Notes	Was not asked in proxy interviews

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	817	28332.8	87.9%
2	No	119	3900.1	12.1%
6	Valid skip	112334	31241637.5	
7	Don't know	1	17.8	
8	Refusal	0	0.0	
9	Not stated	19	483.8	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

FGU_010: Used information from Canada's Food Guide (CFG) - lifetime

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=816 / 28268.18] [Invalid=112474 / 31246103.83]
Universe	Respondents who answered FGU_005 = (1, 7 or 8)
Literal question	Have you ever used information from Canada’s Food Guide?
Notes	Was not asked in proxy interviews

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	449	15806.8	55.9%
2	No	367	12461.4	44.1%
6	Valid skip	112453	31245537.6	
7	Don't know	2	82.4	
8	Refusal	0	0.0	
9	Not stated	19	483.8	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

FGU_015A: Used CFG - to choose foods

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=443 / 15737.94] [Invalid=112847 / 31258634.07]
Universe	Respondents who answered FGU_005 = (1, 7 or 8)
Literal question	What did you use the information for?- To choose foods for [you / you or household members]
Notes	Was not asked in proxy interviews

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	203	7539.0	47.9%

File : cchs_annual_2015_2016

FGU_015A: Used CFG - to choose foods

Value	Label	Cases	Weighted	Percentage (Weighted)
2	No	240	8199.0	52.1%
6	Valid skip	112820	31257999.0	
7	Don't know	7	137.8	
8	Refusal	1	13.5	
9	Not stated	19	483.8	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

FGU_015B: Used CFG - determine quantity of food needed every day

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=443 / 15737.94] [Invalid=112847 / 31258634.07]
Universe	Respondents who answered FGU_005 = (1, 7 or 8)
Literal question	What did you use the information for?- To determine how much [you / you or household members] need to eat every day
Notes	Was not asked in proxy interviews

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	187	6499.7	41.3%
2	No	256	9238.3	58.7%
6	Valid skip	112820	31257999.0	
7	Don't know	7	137.8	
8	Refusal	1	13.5	
9	Not stated	19	483.8	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

FGU_015C: Used CFG - to plan meals / grocery shopping

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=443 / 15737.94] [Invalid=112847 / 31258634.07]
Universe	Respondents who answered FGU_005 = (1, 7 or 8)
Literal question	What did you use the information for?- To plan meals or to help with grocery shopping
Notes	Was not asked in proxy interviews

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	178	5872.4	37.3%
2	No	265	9865.5	62.7%
6	Valid skip	112820	31257999.0	
7	Don't know	7	137.8	
8	Refusal	1	13.5	
9	Not stated	19	483.8	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

FGU_015D: Used CFG - assess how well household members are eating

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=443 / 15737.94] [Invalid=112847 / 31258634.07]
Universe	Respondents who answered FGU_005 = (1, 7 or 8)
Literal question	What did you use the information for?- To assess how well [you / you or household members] are eating
Notes	Was not asked in proxy interviews

File : cchs_annual_2015_2016

FGU_015D: Used CFG - assess how well household members are eating

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	231	7089.2	45.0%
2	No	212	8648.7	55.0%
6	Valid skip	112820	31257999.0	
7	Don't know	7	137.8	
8	Refusal	1	13.5	
9	Not stated	19	483.8	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

DODIS: Distress - Inclusion Flag - (F)

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=113290 / 31274372.01] [Invalid=0 / 0]
Universe	All respondents
Notes	Questions for this module were not asked in proxy interviews. Proxy interviews werecoded as "not stated" which mostly explains the higher proportion of this category com-pared to modules where proxy was allowed.

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	1936	68180.0	0.2%
2	No	111354	31206192.0	99.8%
6	Valid skip	0	0.0	
7	Don't know	0	0.0	
8	Refusal	0	0.0	
9	Not stated	0	0.0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

DODEP: Depression - Inclusion Flag - (F)

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=113290 / 31274372.01] [Invalid=0 / 0]
Universe	All respondents
Notes	Questions for this module were not asked in proxy interviews. Proxy interviews werecoded as "not stated" which mostly explains the higher proportion of this category com-pared to modules where proxy was allowed.

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	2908	164952.6	0.5%
2	No	110382	31109419.4	99.5%
6	Valid skip	0	0.0	
7	Don't know	0	0.0	
8	Refusal	0	0.0	
9	Not stated	0	0.0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

DOACC: Access to health care services - Inclusion flag - (F)

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=113290 / 31274372.01] [Invalid=0 / 0]
Universe	All respondents
Notes	Questions for this module were not asked in proxy interviews. Proxy interviews werecoded as "not stated" which mostly explains the higher proportion of this category com-pared to modules where proxy was allowed

File : cchs_annual_2015_2016

DOACC: Access to health care services - Inclusion flag - (F)

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	5581	850293.5	2.7%
2	No	107709	30424078.5	97.3%
6	Valid skip	0	0.0	
7	Don't know	0	0.0	
8	Refusal	0	0.0	
9	Not stated	0	0.0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

DOUCN: Unmet health care needs - Inclusion Flag - (F)

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=113290 / 31274372.01] [Invalid=0 / 0]
Universe	All respondents

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	60995	18356281.1	58.7%
2	No	52295	12918090.9	41.3%
6	Valid skip	0	0.0	
7	Don't know	0	0.0	
8	Refusal	0	0.0	
9	Not stated	0	0.0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

SDCDGCB: Country of birth - grouped - (D)

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=111639 / 30750577.66] [Invalid=1651 / 523794.35]
Universe	See documentation on derived variables.
Notes	This variable has been grouped as a form of disclosure control.

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Canada	92879	22633153.2	73.6%
2	Other	18760	8117424.4	26.4%
6	Valid skip	0	0.0	
7	Don't know	0	0.0	
8	Refusal	0	0.0	
9	Not stated	1651	523794.4	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

SDCDGCGT: Cultural / racial background - (D)

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=105064 / 29509513.78] [Invalid=8226 / 1764858.23]
Universe	See documentation on derived variables.
Notes	This variable has been grouped as a form of disclosure control.

Value	Label	Cases	Weighted	Percentage (Weighted)
1	White	91319	22410626.7	75.9%
2	Non-white (Aboriginal or Other Visible Minority)	13745	7098887.0	24.1%
6	Valid skip	6689	1173872.1	
7	Don't know	0	0.0	
8	Refusal	0	0.0	
9	Not stated	1537	590986.1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

DOINS: Health insurance coverage - Inclusion Flag - (F)

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=113290 / 31274372.01] [Invalid=0 / 0]
Universe	All respondents
Notes	Questions for this module were not asked when a person most knowledgeable (PMK)was not identified for respondents aged 12 to 17 years old.

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	5481	1060833.9	3.4%
2	No	107809	30213538.1	96.6%
6	Valid skip	0	0.0	
7	Don't know	0	0.0	
8	Refusal	0	0.0	
9	Not stated	0	0.0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

FSC_010: Worried food would run out - 12 mo

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=112091 / 30766110.13] [Invalid=1199 / 508261.88]
Universe	Respondents with DOFSC = 1 and PMKPROXY <> 2
Literal question	The first statement is: [You / You and other household members] worried that foodwould run out before you got money to buy more. Was that often true, sometimes true,or never true in the past 12 months?
Notes	Was not asked when person most knowledgeable (PMK) was not available

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Often true	2609	554010.7	1.8%
2	Sometimes true	8204	2198923.1	7.1%
3	Never true	101278	28013176.3	91.1%
6	Valid skip	0	0.0	
7	Don't know	180	57859.8	
8	Refusal	180	57197.9	
9	Not stated	839	393204.1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

FSCDVHFS: Household food security status - modified version - (D)

Information	[Type= discrete] [Format=numeric] [Range= 0-2] [Missing=*]
Statistics [NW/ W]	[Valid=111511 / 30601863.35] [Invalid=1779 / 672508.66]
Universe	See documentation on derived variables.

Value	Label	Cases	Weighted	Percentage (Weighted)
0	Food secure	101243	28022382.5	91.6%
1	Moderately food insecure	6582	1777500.1	5.8%
2	Severely food insecure	3686	801980.8	2.6%
6	Valid skip	0	0.0	
7	Don't know	0	0.0	
8	Refusal	0	0.0	
9	Not stated	1779	672508.7	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

INCDGHH: Total household income - all sources - (D)

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=113131 / 31254706.82] [Invalid=159 / 19665.19]
Universe	See documentation on derived variables.
Notes	This variable has been grouped as a form of disclosure control.

Value	Label	Cases	Weighted	Percentage (Weighted)
1	No income or less than $20,000	9890	2041157.5	6.5%
2	$20,000 to $39,999	19260	4028103.1	12.9%
3	$40,000 to $59,999	17985	4446405.8	14.2%
4	$60,000 to $79,999	15085	4015075.8	12.8%
5	$80,000 or more	50911	16723964.5	53.5%
6	Valid skip	0	0.0	
7	Don't know	0	0.0	
8	Refusal	0	0.0	
9	Not stated	159	19665.2	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.