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Description of derived and grouped variables

Several derived variables were created on the NPHS files. In this section, the methods used to derive some of the more complex variables are described. It also describes some of the coding structures. The descriptions of the derived variables are in the order they appear on the file. Most derived variable names have a "D" in the fifth character position of the name. Some of the derived variables have been grouped for ease of use and are referred to as grouped variables which have a "G" in the fifth character position of the name. In general, a derived variable was not calculated if any part of the equation was not answered (e.g., don't know, refusal, and not stated). In these cases the code assigned to the derived variable was "not stated".

GE38GURB   Grouped urban/rural flag

This field permits the identification of "urban" areas, or indicates that the Enumeration Area (EA) is in a rural area. Urban areas are those continuously built-up areas having a population concentration of 1,000 or more and a population density of 400 or more per square kilometre based on the previous census. To be considered as continuous, the built-up area must not have a discontinuity exceeding two kilometres. In Quebec, Ontario and British Columbia, records falling within the CMA boundary of Montreal, Toronto or Vancouver will have this variable set to "valid skip" since the grouped CMA variable is available.This definition of urban/rural may not correspond to the areas which Canada Post identifies as urban or rural postal codes.

GE38GCMA Grouped Census Metropolitan Area (CMA)

The general concept of a Census Metropolitan Area (CMA) is one of a very large urban area, together with adjacent urban and rural areas which have a high degree of economic and social integration with that urban area. A CMA is delineated around an urban area (called the urbanized core and having a population of at least 100,000, based on the previous census). Only the CMAs of Montreal (462), Toronto (535) and Vancouver (933) are available on this file.

DHC8DLVG Living Arrangement of the selected respondent

Value of DHC8DLVG	Description	Condition
1	Unattached Individual Living Alone	Selected respondent lives alone. Household size=1.
2	Unattached Individual Living With Others	Selected respondent lives with others. S/he cannot have a marital/common-law or parental relationship but other relationships such as siblings are allowed.
3	Spouse/Partner Living With Spouse/Partner	Selected respondent lives with spouse/partner only. Household size=2.
4	Parent Living With Spouse/Partner And Children	Selected respondent lives with spouse/partner and child(ren).
5	Single Parent Living With Children	Selected respondent lives with child(ren). No other relationships are permitted.
6	Child Living With Single Parent	Selected respondent is a child living with a single parent. Household size=2.
7	Child Living With Single Parent and Siblings	Selected respondent is a child living with a single parent and siblings.
8	Child Living With Two Parents	Selected respondent is a child living with two parents. Household size=3.
9	Child Living With Two Parents and Siblings	Selected respondent is a child living with two parents and siblings.
10	Other	Selected respondent lives in a household composition not classified above.
99	Not Stated	

DHC8GEF7 Type of Household - Grouped

Value of DHC8GEF7	Description	Condition
1	Couple with children < 25	Married or C/L couple with at least one partner being the parent of the dependent child. No other relationships are allowed.
2	Couple With or Without Children >=25, With or Without Others	Married or C/L couple with or without child(ren) >=25 years old. Any other relationships are allowed.
3	Single With or Without Others	Unattached individual living alone or with others. There cannot be a marital/c.l. or parent relationship but other relationships such as siblings are allowed.
4	Couple with children <25 and others	At least one partner must be the parent of one child <25 years old in the household. Other relationships are allowed.
5	Couple alone	Married or C/L couple with no dependent children. No other relationships are permitted. Household size=2.
6	Single parent households	Any type of single parent household.
7	Other	All other household types.
99	Not stated	

INC8DIA5   Derived Income Adequacy – 5 Categories
Based on INC8_Q3A to INC8_Q3G and DHC8DHSZ.

Value of INC8DIA5	Description	Income	Household Size
1	Lowest Income	Less than $10,000	1 to 4 persons
		Less than $15,000	5 or more persons
2	Lower Middle Income	$10,000 to $14,999	1 or 2 persons
		$10,000 to $19,999	3 or 4 persons
		$15,000 to $29,999	5 or more persons
3	Middle Income	$15,000 to $29,999	1 or 2 persons
		$20,000 to $39,999	3 or 4 persons
		$30,000 to $59,999	5 or more persons
4	Upper Middle Income	$30,000 to $59,999	1 or 2 persons
		$40,000 to $79,999	3 or 4 persons
		$60,000 to $79,999	5 or more persons
5	Highest Income	$60,000 or more	1 or 2 persons
		$80,000 or more	3 persons or more
9	Unknown	Not stated	--

INC8GPER   Total Personal Income – All Sources (Grouped)
Based on INC8_4A to INC8_4G (a *cascading* question on income).

If the respondent gave his/her exact household income in Question INC8_4 then INC8GPER was derived from this value. These questions are asked only of the selected respondent aged 15 and over.

Value of INC8GPER	Description	Condition
1	No Income	INC8_4A=3
2	Less than $5,000	INC8_4C=1
3	$5,000 to $9,999	INC8_4C=2
4	$10,000 to $14,999	INC8_4D=1
5	$15,000 to $19,999	INC8_4D=2
6	$20,000 to $29,999	INC8_4F=1
7	$30,000 to $39,999	INC8_4F=2
8	$40,000 to $49,999	INC8_4G=1
9	$50,000 to $59,999	INC8_4G=2
10	$60,000 +	INC8_4G=3 or INC8_4G=4
96	Not applicable	AGE <= 14 or ISSELRSP = 2
99	Not Stated	Otherwise (Including respondents who R or DK.)

RAC8GC7   Recode of main health problem (ICD-9) to 7 codes based on RAC8_3C.

The following provides the recode of ICD-9 codes into the 7 categories of RAC8GC7:

1) Diseases of nervous system and senses

2900 - 3160	Psychoses, neurotic disorders
3170 - 3190	Mental retardation
3200 - 3599	Diseases of the nervous system and senses organs (except disorders of the eye, adnexa and diseases of ear)
3600 - 3799	Disorders of the eye and adnexa
3800 - 3899	Diseases of the ear and mastoid process
7400 - 7429	Anencephalus, spina bifida and other congenital anomalies
7430 - 7439	Congenital anomalies of eye
7440 - 7443	Congenital anomalies of ear
7580	Down's syndrome
8000 - 8049	Fracture of skull
8060 - 8069	Fracture of vertebral column with spinal cord lesion
8500 - 8540	Intracranial injury (excluding those with skull fracture)

8710 - 8719	Open wound of eyeball
8720 - 8729	Open wound of ear - affecting hearing
9213 - 9219	Contusion of eyeball and unspecified contusion of eye
9400 - 9409	Burn confined to eye and adnexa
9500 - 9509	Injury to optic nerve and pathways
9510 - 9514	Injury to oculomotor, trochlear, trigeminal, abducent and facial nerve
9515	Injury acoustic nerve
9516 - 9579	Injury to accessory, hypoglossal and to unspecified cranial nerve
9520	Spinal cord lesion without evidence of spinal bone injury
V410 - V411	Problems with sight and other eye problems
V412 - V413	Problems with hearing and other ear problems
V425	Cornea replaced by transplant
V430 - V431	Eye globe and lens replaced by other means
V522	Fitting and adjustment of artificial eye

2) Ischaemic heart disease and other heart conditions

3900 - 3989	Acute rheumatic fever and chronic heart disease
4010 - 4059	Hypertensive disease
4100 - 4149	Ischaemic heart disease
4150 - 4179	Diseases of pulmonary circulation
4200 - 4299	Other forms of heart disease
7450 - 7459	Bulbus cordis anomalies and anomalies of cardiac septal closure
7460 - 7469	Congenital anomalies of heart
7850 - 7853	Tachycardia, palpitations and other abnormal heart sounds
8610 - 8611	Injury to heart with and without open wound into thorax
V421	Heart replaced by transplant
V422	Transplant heart valve (mechanical)
V433	Heart valve replace (tissue)
V450	Cardiac pacemaker

3) Other circulatory disorders

4300 - 4389	Cerebrovascular disease
4400 - 4489	Diseases of arteries, arterioles and capillaries
4510 - 4599	Diseases of veins and lymphatics and other diseases of circulatory system
7470 - 7479	Other congenital anomalies of circulatory system
7854 - 7859	Gangrene, shock and enlargement of lymph nodes
9000 - 9049	Injury to blood vessels
V434	Blood vessel replaced by other means

4) Diseases of respiratory and digestive system

4770 - 4779	Allergic rhinitis
4900 - 4920	Bronchitis, chronic bronchitis and emphysema
4930 - 4939	Asthma
4940 - 5199	Bronchiectasis, pneumoconioses etc.
5200 - 5299	Diseases of oral cavity, salivary glands and jaws
5300 - 5799	Diseases of oesophagus, stomach, duodenum, appendicitis, hernia, colitis, intestines and other digestive system
7480 - 7489	Congenital anomalies of respiratory system
7500 - 7519	Other congenital anomalies of digestive system
7860 - 7869	Symptoms involving respiratory system and other chest systems
7870 - 7879	Symptoms involving digestive system
8612 - 8613	Injury to lung with or without open wound into thorax
8630 - 8641	Injury to gastrointestinal tract and liver

5) Arthritis - limbs, back & spine, other

7110 - 7169	Arthropathy, rheumatoid arthritis, osteoarthrosis and unspecified arthropathies
7250	Polymalagia rheumatica
7290	Other disorders of soft tissues
VA00*	Arthritis/Rheumatism
VA01 - VA06*	Arthritis/Rheumatism
VA07 - VA12*	Arthritis/Rheumatism
VA13*	Arthritis/Rheumatism
VA14 - VA19*	Arthritis/Rheumatism

6) Diseases of the musculoskeletal—limbs, back & other

7100 - 7109	Diffuse diseases of connective tissue
7170 - 7179	Internal derangement of knee
7180 - 7199	Other derangement of joint and unspecified disorder of joint
7200 - 7209	Ankylosing spondylitis and other inflammatory spondylopathies
7210 - 7249	Spondylosis, intervertebral disc disorders and other unspecified disorders of back
7260 - 7264	Peripheral enthesopathies (shoulder, elbow, wrist)
7265 - 7267	Enthesopathy of hip, knee, ankle, tarsus
7268 - 7269	Other peripheral enthesopathies and unspecified enthesopathy
7270 - 7279	Disorders of synovium, tendon and bursa
7280 - 7289	Disorders of muscle, ligament and fascia
7291 - 7299	Other soft tissues. excl: rheumatism and fibrositis

7300 - 7319	Osteomyelitis, periostitis and osteopathies
7320	Osteochondrosis of spine
7321 - 7322	Osteochondrosis of hip, pelvis, upper femoral epiphysis
7323	Osteochondrosis upper extremities
7324 - 7325	Osteochondrosis of lower extremity with and without foot
7326 - 7339	Osteochondropathies and other disorders of bone/cartilage
7340 - 7359	Flat foot and acquired deformities of toe
7360 - 7362	Acquired deformities arm/hand/finger
7363 - 7367	Acquired deformities of hip, varum, recurvatum, knee, foot
7368 - 7369	Other acquired deformities of limbs
7370 - 7379	Curvature of spine
7380 - 7383	Acquired deformity of nose, head, neck, chest and rib
7384 - 7385	Acquired spondylolisthesis and other deformity of spine
7386 - 7389	Acquired deformity of pelvis , unspecified site
7390	Nonallopathic lesions (head region)
7391 - 7394	Nonallopathic lesions (cervical, thoracic, lombar, sacral)
7395 - 7396	Nonallopathic lesions (pelvic and lower extremities)
7397	Nonallopathic lesions (upper extremities)
7398 - 7399	Lesions rib cage and abdomen
7540 - 7541	Congenital anomalies (skull, face,jaw)
7542	Certain congenital musculoskeletal deformities of spine
7543 - 7547	Congenital deformities (hip, feet)
7548	Congenital musculoskeletal deformities
7550 - 7551	Congenital anomalies of limb (polydactyly syndactyly)
7552	Congenital deformity (upper limb)
7553	Reduction deformity of lower limb
7554	Congenital anomalies, unspecified limb
7555	Congenital deformity (upper limb, including shoulder girdle)
7556	Other anomaly
7558 - 7559	Congenital unspecified anomalies of unspecified limb
7560	Anomalies of skull & face bones
7561	Other congenital musculoskeletal anomalies of spine
7562 - 7569	Other congenital anomalies except spine
8050 - 8059	Fracture of vertebral column without mention of spinal cord lesion
8070 - 8091	Fracture rib, sternum, larynx, trachea, trunk
8100 - 8191	Fracture upper limb
8200 - 8291	Fracture lower limb/hip
8300 - 8301	Dislocation of jaw
8310 - 8341	Dislocation of shoulder/elbow/finger/wrist
8350 - 8381	Dislocation of hip/knee/ankle/foot
8390 - 8391	Other ill-defined dislocations (cervical and lumbar vertebra)
8400 - 8421	Sprains of shoulder/elbow/finger/wrist
8430 - 8451	Sprains and strains of hip/thigh/knee/ankle/foot

8460 - 8479	Sprains and strains of sacroiliac and unspecified parts of back
8480 - 8489	Other and ill-defined sprains and strains
8800 - 8877	Open wound of upper limb
8900 - 8977	Open wound of lower limb
9260 - 9269	Crushing injury of trunk
9270 - 9279	Crushing of upper limb
9280 - 9289	Crushing injury of lower limb
9591	Injury of trunk
9592 - 9595	Injury (shoulder, elbow, wrist, hand, finger)
9596 - 9597	Injury, other and unspecified /hip/thigh/knee/leg/ankle/foot
9598 - 9599	Injury - Site unspecified
9911	Frostbite of hand
9912	Frostbite of foot
V436	Joint replaced by other means
V521	Fitting and adjustment of artificial leg
V520	Fitting and adjustment of artificial arm
VB01 - VB12*	Damaged/Removed Discs
VB13 - VU13*	Impairment to back/spine/discs
VC01 - VC12*	Weak/Damaged bones
VD01 - VD12*	Damaged/Torn cartilages
VE01 - VE12*	Sprained/Damaged ligaments/Tendons
VF01 - VF12*	Weak/Pulled/Damaged muscles
VG01 - VG12*	Absence/Missing
VH01 - VH12*	Fractures/Breaks
VJ01 - VJ12*	Fusions
VK01 - VK12*	Deformed/Crooked
VL01 - VL12*	Displaced/Dislocated/Slipped
VM01 - VM12*	Pain/Soreness
VN01 - VN12*	Stiffness
VP01 - VP12*	Paralysis
VR01 - VR12*	Coordination problems
VS01 - VS12*	Weakness - Site specified
VT01 - VT12*	Other specified impairments
VU01 - VU12*	Other unspecified impairments

7) Other

0010 - 1398	Infectious diseases (excluding intestinal)
1400 - 2089	Malignant neoplasms
2100 - 2299	Benign neoplasms
2300 - 2399	Carcinoma in situ and neoplasms of unspecified nature
2400 - 2469	Disorders of thyroid gland
2500 - 2509	Diseases of other endocrine glands (diabetes mellitus)
2510 - 2799	Endocrineglands (except diabetes), nutritional and metabolic diseases and immunity disorders

All others

SDC8GLNG Derived Language(s) Respondent Can Conduct Conversation In - Grouped
Based on SDC8_5A to SDC8_5S.

Value of SDC8GLNG	Description	Condition
1	English or French only	SDC8_5A=1 or SDC8_5B=1
2	English and French only	SDC8_5A=1 & SDC8_5B=1
3	Other	Any SDC8_5C to SDC8_5S=1 & SDC8_5A & SDC8_5B ne 1
9	Not Stated	SDC8_5A > 6

EDC8D3 Derived Highest Level of Education – 4 Levels
Based on EDC8_4, EDC8_5 and EDC8_7.

Value of EDC8D3*	Description	Condition
3	Some Post-secondary	EDC8_7 in (1,2,3,10)
4	Post-secondary Graduation	EDC8_7 in (4,5,6,7,8,9)
2	Secondary School Graduation	EDC8_5 = 1
1	Less than Secondary School Graduation	EDC8_4 < 96
96	Not applicable	EDC8_4 = 96
99	Not stated	Otherwise

The order of variable values reflects the programming logic (IF..THEN, ELSE) used to obtain frequencies.

EDC8DLF   Derived Labour Force Activity of Students
Based on EDC8_1, EDC8_2, DHC8_AGE and LFC8DCWS.

Value of EDC8DLF	Description	Condition
1	Worked/School Full Time	EDC8_1=1 & EDC8_2=1 & LFC8DCWS=1 or 2 or 4
2	Worked/School Part Time	EDC8_1=1 & EDC8_2=2 & LFC8DCWS=1 or 2 or 4
3	Did Not Work/School Full Time	EDC8_1=1 & EDC8_2=1 & LFC8DCWS=3
4	Did Not Work/School Part Time	EDC8_1=1 & EDC8_2=2 & LFC8DCWS=3
6	Not Applicable	EDC8_1=2 or EDC8_1=6 or LFC8DCWS=6; DHC8_AGE= 15 to 75 and EDC8_1=2
9	Not Stated	Otherwise

LFC8GO25   Standard Occupation Codes For Main Job - 25 Categories
Based on 1997 classifications grouped to 25 categories.

Value of LFC8GO25	Description	Condition
1	Senior Management Occupations	A011-A016
2	Other Management Occupations	A111-A392
3	Professional Occup. in Business and Finance	B011-B022
4	Financial, Secretarial & Admin Occupations	B111-B318
5	Clerical Occupations, Including Supervisors	B411-B576
6	Natural & Applied Sciences & Related Occup.	C011-C175
7	Professional Occup. in Health, Nurse Supervisors & Registered Nurses	D011-D112
8	Technical, Assisting & Related Occup. in Health	D211-D313
9	Occup. in Social Science, Government Service & Religion	E011-E038,E211-E216

10	Teachers and Professors	E111-E133
11	Occup. in Art, Culture, Recreation and Sport	F011-F154
12	Wholesale, Tech, Insurance, Real Estate Sales Specialists, & Retail, Wholesale & Grain Buyers	G111-G134
13	Retail Salespersons, Sales Clerks, Cashiers, Including Retail Trade Supervisors	G011,G211-G311
14	Chefs & Cooks, & Occupations in Food & Beverage Service, Including Supervisors	G012,G411-G513
15	Occupation in Protective Services	G611-G631
16	Childcare and Home Support Workers	G811-G814
17	Sales & Service Occupations n.e.c., Including Occup. in Travel & Accommodation, Attendants in Recreation & Sport as well as Supervisors	G013-G016,G711-G732,G911-G983
18	Contractors & Super in Trades & Transportation	H011-H022
19	Construction Trades	H111-H145
20	Other Trades Occupations	H211-H535
21	Transport and Equipment Operators	H611-H737
22	Trades Helpers, Const., & Transportation Labourers & Related Occupations	H811-H832
23	Occupations Unique to Primary Industry	I011-I216
24	Machine Operators & Assemblers in Manufacturing, Including Supervisors	J011-J228
25	Labourers in Processing, Manufact. & Utilities	J311-J319
96	Not applicable	
99	Not stated	

LFC8GI16   Standard Industry Codes For Main Job – 16 Categories
Based on North American Industry Classification System – 1997
classification grouped to 16 categories.

Value of LFC8GI16	Description	Condition
1	Agriculture	1100-1129 1151-1152
2	Forestry, Fishing, Mining, Oil and Gas	1131-1142, 1153, 2100-2131
3	Utilities	2211-2213
4	Construction	2311-2329
5	Manufacturing	3111-3399
6	Trade	4111-4543
7	Transportation and Warehousing	4811-4931
8	Finance, Insurance, Real Estate and Leasing	5211-5331
9	Professional, Scientific and Technical Services	5411-5419
10	Management, Administrative and Other Support	5511-5629
11	Educational Services	6111-6117
12	Health Care and Social Assistance	6211-6244
13	Information, Culture and Recreation	5111-5142 7111-7139
14	Accommodation and Food Services	7211-7224
15	Other Services (except Public Administration)	8111-8141
16	Public Administration	9110-9191
96	Not applicable	
99	Not stated	

HWC8GBW   Birth Weight - Grouped
Based on HWC8_5.

Value of HWC8GBW	Description	Condition
1	Normal birth weight	HWC8_5 = 5 to 14
2	Moderately low birth weight	HWC8_5 = 2, 3, 4
3	Very low birth weight	HWC8_5 = 1
6	Not applicable	HWC8_5 = 96
9	Not stated	HWC8_5 > 96

HWC8GBMI Body Mass Index - Grouped
Based on HWC8_3KG and HWC8_HT.

Calculated for persons 20 to 64 years old, *excluding* pregnant women.
GBMI is not calculated for anyone less than 3 feet or 7 feet and over.

GBMI = WEIGHT (KG) / SQUARED HEIGHT (METERS)

HWC8GSW Standard Weight – Grouped
Based on HWC8GBMI.

Value of HWC8GSW	Description	Condition
1	Insufficient weight	HWC8GBMI < 20.0
2	Acceptable weight	HWC8GBMI >=20.0 and < 25.0
3	Some excess weight	HWC8GBMI >=25.0 and < =27.0
4	Overweight	HWC8GBMI >27.0 and < 99.6
6	Not applicable	HWC8GBMI =99.6
9	Not stated	HWC8GBMI > 99.6

SC_8DFCT Attitude Toward Self Care
Based on SC_8_12 to SC_C8_16.
MIN: 0   - indicates a preference to rely on the doctor
MAX: 20   - indicates a preference for self-care

Persons aged less than 18 and persons in institutions are not asked these questions, and the DV is set to "not applicable".

Respondents were asked to agree or disagree with each item in a 5 point response with 1 being "strongly agree" and 5 being "strongly disagree". The values were then recoded in the 0-4 range to calculate scale scores. 0 indicates a preference to rely on the doctor and 4 indicates a preference on self care.   Items SC_8_12 and SC_8_15 were reversed in order to calculate a score.

ISC8D1   Number of Types of Medical Insurance
Based on ISC8_1, ISC8_2, ISC8_3 and ISC8_4.

Value of ISC8D1	Description	Condition
0	No types of insurance	Count # yes in ISC8_1,2,3 and 4
1	1 type of insurance	Count # yes in ISC8_1,2,3 and 4
2	2 types of insurance	Count # yes in ISC8_1,2,3 and 4
3	3 types of insurance	Count # yes in ISC8_1,2,3 and 4
4	4 types of insurance	Count # yes in ISC8_1,2,3 and 4
6	Not Applicable (age <12 or selected respondent institutionalized)	ISC8_4=6
9	Not stated	ISC8_1 or ISC8_2 or ISC8_3 or ISC8_4 > 6

NU_8D1   Number of Medical Reasons for Choosing or Avoiding Foods
Based on NU_8_1A to NU_8_1G.

Value of NU_8D1	Definition	Condition
0	None	Count of "yes" in NU_8_1A to NU_8_1G
1	One	Count of "yes" in NU_8_1A to NU_8_1G
2	Two	Count of "yes" in NU_8_1A to NU_8_1G
3	Three	Count of "yes" in NU_8_1A to NU_8_1G
4	Four	Count of "yes" in NU_8_1A to NU_8_1G
5	Five	Count of "yes" in NU_8_1A to NU_8_1G
6	Six	Count of "yes" in NU_8_1A to NU_8_1G
7	Seven	Count of "yes" in NU_8_1A to NU_8_1G
96	Not applicable	NU_8_1A = 6
99	Not stated	NU_8_1A to NU_8_1G in (7, 8, 9)

NU_8D2   Number of Content Reasons for Choosing Foods
Based on NU_8_2A to NU_8_2E.

Value of NU_8D2	Definition	Condition
0	None	Count of "yes" in NU_8_2A to NU_8_2E
1	One	Count of "yes" in NU_8_2A to NU_8_2E
2	Two	Count of "yes" in NU_8_2A to NU_8_2E
3	Three	Count of "yes" in NU_8_2A to NU_8_2E
4	Four	Count of "yes" in NU_8_2A to NU_8_2E
5	Five	Count of "yes" in NU_8_2A to NU_8_2E
96	Not applicable	NU_8_2A = 6
99	Not stated	NU_8_2A to NU_8_2E in (7, 8, 9)

NU_8D3   Number of Content Reasons for Avoiding Foods
Based on NU_8_3A to NU_8_3G.

Value of NU_8D3	Definition	Condition
0	None	Count of "yes" in NU_8_3A to NU_8_3G
1	One	Count of "yes" in NU_8_3A to NU_8_3G
2	Two	Count of "yes" in NU_8_3A to NU_8_3G
3	Three	Count of "yes" in NU_8_3A to NU_8_3G
4	Four	Count of "yes" in NU_8_3A to NU_8_3G
5	Five	Count of "yes" in NU_8_3A to NU_8_3G
6	Six	Count of "yes" in NU_8_3A to NU_8_3G
7	Seven	Count of "yes" in NU_8_3A to NU_8_3G
96	Not applicable	NU_8_3A = 6
99	Not stated	NU_8_3A to NU_8_3G in (7, 8, 9)

NU_8DCON Frequency of Consumption of Vitamin or Mineral Supplements
Based on NU_8_4A to NU_8_4C.

Value of NU_8DCON	Definition	Condition
1	Non-user in last 4 weeks	NU_8_4A = 2
2	Occasional user in last 4 weeks	NU_8_4B = 2
3	Regular user in last 4 weeks – 1 to 2 days in last week	NU_8_4C = 1 or 2
4	Regular user in last 4 weeks – 3 to 4 days in last week	NU_8_4C = 3 or 4
5	Regular user in last 4 weeks – 5 to 6 days in last week	NU_8_4C = 5 or 6
6	Regular user in last 4 weeks – 7 days in last week	NU_8_4C = 7
96	Not applicable	NU_8_4A = 6
99	Not stated	Otherwise

HSC8GVIS Vision Trouble – Function Code - Grouped
Based on DVVIS = HSC8_1 || HSC8_2 || HSC8_3 || HSC8_4 || HSC8_5.

Value of HSC8GVIS	Definition	Condition
1	No visual problems	DVVIS=16616
2	Problem corrected by lenses	DVVIS=16621, 21616, 21621
3	Problem seeing distance - not corrected	DVVIS=16622, 21622
4	Problem seeing close - not corrected	DVVIS=22116, 22121
5	Problem seeing close & distance / no sight	DVVIS=22122, 22266
96	Not applicable	DVVIS=66666
99	Not stated	Otherwise

HSC8GHER Hearing Problems – Function Code - Grouped
Based on DVHEA=HSC8_6 || HSC8_7 || HSC8_7A || HSC8_8 || HSC8_9.

Value of HSC8GHER	Definition	Condition
1	No hearing problems	DVHEA=16666
2	Problem hearing/corrected	DVHEA=21616, 21621, 21622, 22121
3	Problem hearing/not corrected	DVHEA=22116, 22122, 22266
96	Not applicable	DVHEA=66666
99	Not stated	Otherwise

HSC8GSPE Speech Trouble – Function Code - Grouped
Based on DVSPE = HSC8_10 || HSC8_11 || HSC8_12 || HSC8_13.

Value of HSC8GSPE	Definition	Condition
1	No speech problems	DVSPE=1666
2	Partially/not understood	DVSPE=2116, 2121, 2216, 2221, 2122, 2222
6	Not applicable	DVSPE=6666
9	Not stated	Otherwise

HSC8GMOB Mobility Trouble – Function Code - Grouped
Based on DVMOB=HSC8_14||HSC8_15||HSC8_16||HSC8_17||HSC8_18.

Value of HSC8GMOB	Definition	Condition
1	No mobility problems	DVMOB=16666
2	Mobility problems / no aid required	DVMOB=21222
3	Problems / requires mechanical support	DVMOB=21121, 21221, 21121, 21221
4	Problems – requires help / cannot walk	DVMOB=21111, 21112, 21211, 21212, 22661, 22662
96	Not applicable	DVMOB=66666
99	Not stated	Otherwise

HSC8GDEX Dexterity Trouble – Function Code - Grouped
Based on DVDEX = HSC8_21 || HSC8_22 || HSC8_23 || HSC8_24.

Value of HSC8GDEX	Definition	Condition
1	No dexterity problems	DVDEX=1666
2	Dexterity problem / no help required	DVDEX=2262
3	Dexterity problem / needs help	DVDEX=2261, 2111, 2112, 2121, 2122, 2131, 2132, 2141, 2142
96	Not applicable	DVDEX=6666
99	Not stated	Otherwise

HSC8DEMO Emotional Problems – Function Code
Based on HSC8_25.

Value of HSC8DEMO	Definition	Condition
1	Happy and interested in life	HSC8_25=1
2	Somewhat happy	HSC8_25=2
3	Somewhat unhappy	HSC8_25=3
4	Very unhappy	HSC8_25=4
5	So unhappy that life is not worthwhile	HSC8_25=5
6	Not applicable	HSC8_25=6
9	Not stated	Otherwise

HSC8GCOG Cognition – Function Code - Grouped
Based on DVCOG = HSC8_26 || HSC8_27.

Value of HSC8GCOG	Definition	Condition
1	No cognitive problems	DVCOG=11
2	A little difficulty thinking	DVCOG=12, 13
3	Somewhat forgetful	DVCOG=21
4	Somewhat forgetful/ a little difficulty thinking	DVCOG=22, 23
5	Very forgetful/ unable to remember	DVCOG=14, 24, 31, 32, 33, 34, 15, 25, 35, 41, 42, 43, 44, 45
96	Not applicable	DVCOG=66
99	Not stated	Otherwise

HSC8DPAD Activities Prevented / Pain – Function Code
Based on DVPAIN = HSC8_28 || HSC8_30.

Value of HSC8DPAD	Definition	Condition
1	No pain or discomfort	DVPAIN=16
2	Mild / moderate pain does not prevent activity	DVPAIN=21
3	Moderate pain prevents a few activities	DVPAIN=22
4	Moderate / severe pain prevents some activities	DVPAIN=23
5	Severe pain prevents most activities	DVPAIN=24
6	Not applicable	DVPAIN=66
9	Not stated	Otherwise

HSC8DHSI Health Utility Index (HUI3)

Composite index based on the questions in the Health Status Section.
Higher scale indicates better health index.

-0.360 to 1 in increments of 0.001
9.996 Not applicable
9.999 Not stated

The Health Status Index or Health Utility Index (HUI) is a generic health status index that is able to synthesize both quantitative and qualitative aspects of health. The index, developed at McMaster University's Centre for Health Economics and Policy Analysis, is based on the Comprehensive Health Status Measurement System (CHSMS). It provides a description of an individual's overall functional health, based on eight attributes: vision, hearing, speech, mobility (ability to get around), dexterity (use of hands and fingers), cognition (memory and thinking), emotion (feelings), and pain and discomfort.

In addition to describing functional health status levels, the CHSMS is the basis for HUI3. The HUI3 is a single numerical value for any possible combination of levels of these eight self-reported health attributes. The HUI3 maps any one of the vectors of eight health attribute levels into a summary health value between –0.360 and 1. For instance, an individual who is near-sighted, yet fully healthy on the other seven attributes, receives a score of 0.973. On that scale, the most preferred health level (perfect health) is rated 1.000 and death is rated 0.000, while negative scores reflect health states considered worse than death.

The scores of the HUI3 embody the views of society concerning health status. These views are termed societal preferences, since preferences about various health states are elicited from a representative sample of individuals.

The HUI3 (Mark 3) was developed by McMaster University's Centre for Health Economics and Policy Analysis, and is derived using societal preferences from a random sample of 500 people within the boundaries of the City of Hamilton, chosen from a list obtained from the Planning Department of the Regional Municipality of Hamilton-Wentworth, Ontario, Canada.

The algorithm mapping the questions to the CHSMS itself is the property of Health Utilities Inc. and is protected by copyright. Statistics Canada is authorized, when requested, to share this algorithm with users who wish to replicate results or analyses conducted by Statistics Canada. The use of the algorithm for other purposes, or the sharing of it with others, is prohibited.

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

Furlong WJ, Feeny DH, Torrance GW. "Health Utilities Index (HUI): Algorithm for determining HUI Mark 2 (HUI2) / Mark 3 (HUI3) health status classification levels, health states, health-related quality of life utility scores and single-attribute utility score from 40-item interviewer-administered health status questionnaires. Dundas, Canada: Health Utilities Inc. February 1999

Furlong WJ, Feeny DH, Torrance GW, et al. "Multiplicative multi-attribute utility function for the Health Utilities Index Mark 3 (HUI3) system: a technical report" Hamilton, Canada: McMaster University Centre for Health Economics and Policy Analysis Working Paper #98-11, December 1998.

PY_8DH1   Sense of Coherence Scale
Based on sum of PY_8_H1 to PY_8_H13
Min = 0 , Max = 78

The 13-item version of the sense of coherence scale developed by Antonovsky was used in the NPHS. It denotes the extent to which individuals perceive events as comprehensible, manageable and meaningful. The concept of manageability is addressed in questions Q3, Q4, Q8 and Q10. Items Q1, Q9, Q11 and Q13 measure meaningfulness and items Q2, Q5, Q6, Q7, Q12 are related to the comprehensibility dimension. Higher scores indicate a stronger sense of coherence.
Score was reversed for questions PY_8_H1, H2, H3, H8, H13

PAC8DFM   Monthly Frequency of Physical Activity – Lasting more than 15 min.
Based on PAC8_1V, PAC8_2 and PAC8_3.

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

Value of PAC8DFM	Description	Condition
0		PAC8_1V=1
996	Not applicable	PAC8_1V = 6
999	Not stated	PAC8_1V in (7,8,9)
Σ PACn_2$_i$ / 3 where PACn_2$_i$< 996 & PACn_3$_i$ in (2,3,4) for i = a through x, excluding v.	Monthly Frequency	For any PAC8_1i = 1 for i = A to U

PAC8DFR   Frequency of All Physical Activities
Based on PAC8DFM.

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

Value of PAC8DFR	Description	Condition
1	Regular	PAC8DFM > =12 or more times per month
2	Occasional	4 <= PAC8DFM <= 11 times per month
3	Infrequent	0 <= PAC8DFM <= to 3 times per month
6	Not applicable	PAC8DFM = 996
9	Not stated	PAC8DFM = 999

PAC8DFD   Participation in Daily Physical Activities - lasting longer than 15 minutes
Based on PAC8DFM.

Value of PAC8DFD	Description	Condition
1	Daily	PAC8DFM >=30 per month and <996
2	Not daily	PAC8DFM < 30 per month
6	Not applicable	PAC8DFM =996
9	Not stated	PAC8DFM =999

PAC8DEE   Energy Expenditure

In order to derive a physical activity index, the energy expenditure (EE) of participants in their leisure activities should be estimated. EE is calculated using the frequency and time per session of the physical activity as well as its MET value. The MET is a value of metabolic energy cost expressed as a multiple of the resting metabolic rate. Thus, an activity of 4 METS requires four times the amount of energy required when the body is at rest.

Energy Expenditure values for all activities in a day are calculated as follows:

EE (kcal/kg/day) = Sum of ((N_i * D_i * MET value) / 365)

N_i = the number of times a respondent engaged in an activity $_i$ over a 12 month period
D_i = the average duration in hours of the activity$_i$ (AVEDUR$_i$)
MET = the energy cost of the activity expressed as kilocalories expended per kilogram of body weight per hour of activity (kcal/kg per hour)/365 (to convert yearly data into daily data)

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

Activity	Cycle 3 MET Value
PAC8_1A - Walking for exercise	3
PAC8_1B - Gardening, yard work	3
PAC8_1C – Swimming	3
PAC8_1D – Bicycling	4
PAC8_1E - Popular or social dance	3
PAC8_1F - Home exercises	3
PAC8_1G - Ice hockey	6
PAC8_1H - Ice-skating ("skating" in Cycle 1)	4
PAC8_1I – Downhill skiing	4
PAC8_1J - Jogging or running	9.5
PAC8_1K – Golfing	4
PAC8_1L – Exercise class or aerobics	4
PAC8_1M – Cross-country skiing	N/A
PAC8_1N – Bowling	2
PAC8_1O – Baseball or softball	3
PAC8_1P – Tennis	4
PAC8_1Q – Weight-training	3
PAC8_1R – Fishing	3
PAC8_1S – Volleyball	5
PAC8_1T – Basketball	6
PAC8_1Y – In-line skating or roller-blading	5
PAC8_1Z – Yoga or tai-chi	N/A
PAC8_1U , PAC8_1W, PAC8_1X Other Activities (see note)	4

Note: Since it is difficult to assign a MET value to the category "Other Activities", the MET value used was the average of the listed activities except for jogging (MET value 7) or running (MET value 12). The average for the two activities was replaced by the value for jogging only in the calculation of the overall average for "Other Activities". Some activities have MET values lower than the average, however, this approach is consistent with other studies, such as the Campbell's Survey and the Ontario Health Survey (OHS).

PAC8DEE was calculated from the responses to questions PAC8_1n, PAC8_2n, and PAC8_3n, as follows:

Sum of non-missing ((PAC8_2n*4) *AVEDUR * MET) / 365))

for each activity PAC8_1n (exclude category "none") where:

-PAC8_1n = one activity

-PAC8_2n * 4 = number of times for 12 months for each activity

- AVEDUR = average duration for each activity in hours – PACn_3n

-MET = corresponding MET value in kcal/kg/hr

-PAC8_1n, PAC8_2n, PAC8_3n = PAC8_1A…1X, PAC8_2A…2X, PAC8_3A…3X

Time spent on each occasion (PAC8_3n)	Average duration assigned (AVEDUR)
1 to 15 minutes	13 minutes or .2167 hour
16 to 30 minutes	23 minutes or .3833 hour
31 to 60 minutes	45 minutes or .75 hour
More than one hour	60 minutes or 1 hour

PAC8DPAI Physical Activity Index
Based on PAC8DEE.

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

Value of PAC8DPAI	Description	Condition
1	Active	PAC8DEE>=3.0 and <996. This is approximately the amount of exercise that is required for cardiovascular health benefits.
2	Moderate	PAC8DEE>=1.5 and <3.0. They might experience some health benefits but little cardiovascular benefit.
3	Inactive	PAC8DEE>=0 and <1.5
6	Not Applicable	PAC8DEE=996
9	Not Stated	PAC8DEE=999

IJC8D1   Type of Injury by Body Site
                 Based on IJC8_3 and IJC8_4.

This variable was derived by creating a matrix between all possible answers in question IN_Q3 (type of injury) with all possible answers in question IN_Q4 (body part injured). Each combination in the matrix was given a unique code, except for impossible combinations (e.g., concussion of the shoulder) which were assigned the code 996.

Multiple injuries of the same type (e.g., multiple fractures) are classified to a single type of injury (e.g., Fractured Bones). Similarly, only one body site would be coded if there were injuries to many areas within that site. For example, multiple fractures to both legs and feet would be classifiable to the site Legs or Feet. Thus, a case of multiple fractures and burns to both legs and feet would be included in the code '17'. A case of multiple fractures to both legs and feet would be included in the code '27'.

The category 'Other' type of injury includes crushing, frostbite, foreign body, injuries not falling into one of the other categories, and unspecified types of injuries.

IJC8D1 Coding Structure = IJC8_3 || IJC8_4

	Multiple Sites	Eyes	Head (excl. eyes)	Neck	Shoulder	Arms or Hands	Hip	Legs or Feet	Back or Spine	Trunk	Systemic Effect
Multiple Injuries	10	11	12	13	14	15	16	17	18	19	999
Fractures	20	-	22	23	24	25	26	27	28	29	999
Burn or scald	30	31	32	32	35	35	39	37	39	39	999
Dislocation	40	-	42	43	44	45	46	47	48	49	999
Sprain or strain	50	-	52	53	54	55	56	57	58	59	999
Cut, open wound, amputation	60	61	62	63	64	65	66	67	68	69	999
Bruise, contusion, abrasion	70	71	72	73	74	75	76	77	78	79	999
Concussion	-	-	82	-	-	-	-	-	-	-	-
Poisoning by substance or liquid	999	999	999	999	999	999	999	999	999	999	90
Internal Injury	100	102	102	102	104	105	109	107	109	109	999
Other	110	111	112	112	114	115	116	117	119	119	999
96	996	996	996	996	996	996	996	996	996	996	996

Note: Codes 996 = Not applicable, 999 = Not stated, and "_" = impossible combination

IJC8GD2   External cause of injury by place of occurrence

This variable was derived by creating a matrix between all possible answers in variable IJC8G6 (cause of injury) with all possible answers in variable IJC8G5 (place of occurrence). The first two digits of this three-digit variable indicate the external cause of the injury; the third digit indicates the place of occurrence.

A "motor vehicle accident" is a transport accident involving most motorized vehicles, and can refer to the driver, a passenger, a motorcyclist, a pedestrian, a rider of an animal or a rider in an animal drawn vehicle. It excludes train, watercraft or airplane accidents unless a motor vehicle was involved.

The "Other" cause of injury category can include such accidents as those caused by electrical current, firearms, pedal cycles, ski-lifts, water transport accidents, suicides, drownings or submersions, suffocations and explosions.

IJC8GD2 **-** Coding Structure:

	Home	Farm	Recreat. place	Street	Public building	Resid. instit.	Indust. place	Other (incl. mines)
Accid-motor veh.	10	11	14	15	16	17	13	18
Accid-falls	20	21	24	25	26	27	23	28
Fire or flames	30	31	34	35	36	37	33	38
Accid-struck	40	41	44	45	46	47	43	48
Physical assault	50	51	54	55	56	57	53	58
Injury-nat. factors	60	61	64	65	66	67	63	68
Hot liquids	70	71	74	75	76	77	73	78
Accid-machinery	80	81	84	85	86	87	83	88
Accid-cutting	90	91	94	95	96	97	93	98
Accid-poisoning	100	101	104	105	106	107	103	108
Other (incl. suicide, explosion, drowning, suffocation	110	111	114	115	116	117	113	118

Note: 996 - Not applicable
999 - Not stated

DGC8G3A to DGC8G3L   Drug Coding - Drugs
DGC8G5A to DGC8G5L   Drug Coding – Health Products

The drug classification is based on the Canadian Anatomical Therapeutic Chemical (ATC) Classification System. The codes used here are not the actual ATC codes, but they are numbers from 1 to 26 that correspond to the first letter of the drug code ranging from A to Z which is provided on the Public Use Microdata File. The full set of codes are identified on the master file ((DGC8C3A to DGC8C3L) and (DGC8C5A to DGC8C5L). These are available by special request.

1.   **Alimentary Tract And Metabolism**
Antiobesity Preparations, Excluding Diet Products
Mineral Supplements
Enzyme Preparations
Antipropulsives
Antiflatulents
Digestives, Including Enzymes
Antiemetics and Antinauseants
Propulsives

Cathartics/Laxatives
Laxatives (Bulk Forming)
Laxatives (Contact)
Laxatives (Softeners, Emollients)
Laxatives (Osmotically Acting)
Miscellaneous GI
Cholelitholytic and Choleretic
Anti-Peptic Ulcer (H2-Receptor Antagonists)
Anti-Peptic Ulcer (Others)
Antacids
Drugs Used in Diabetes
Drugs Used in Diabetes (Insulins)
Drugs Used in Diabetes (Oral Hypoglycemics)
Antihypoglycemics
Other Mineral Supplements
Nutritional Supplements
Antiobesity Preparations

2.   **Blood And Blood Forming Organs**
Blood Formation and Coagulation
Anticoagulants
Antiplatelet
Antianemic Preparations (Iron)
Electrolyte Solutions (Alkalinizing)
Irrigating Solutions

3.   **Cardiovascular System**
Peripheral Vasodilators
Haemorrheologic
Antihyperlipedemic
Cardiac Drugs
Cardiac (Glycosides and Others)
Cardiac (Antiarrhythmics)
Cardiac (Calcium Channel Blockers)
Antihypertensive
Antihypertensive (Beta Blocking)
Antihypertensive (Converting Enzyme Inhibitors - ACE)
Antihypertensive (Adrenergic Neuron Blockers)
Antihypertensive (A-Blockers)
Antihypertensive (Others)
Vasodilators (Nitrates/Nitrites)
Vasodilators (Others)
Diuretics
Diuretics (Thiazides and Related)
Diuretics (Loop)
Diuretics (Potassium-Sparing)

4.   Dermatologicals
Skin/Mucous Membrane Preparation
Antibiotics
Antivirals
Antifungals
Other Anti-Infectives
Anesthetics for Topical Use/Antipruritics
Anti-Acne Preparation
Anipsoriatics and Protectants
Keratolytics
Keratoplastics
Astringents
Depigmenting/Pigmenting
Anti-Inflammatory (Corticosteroids)
Sunscreens
Miscellaneous Dermatological Preparations

7.   Genito-Urinary System And Sex Hormones
Urinary Anti-infectives
Androgens
Hormonal Contraceptives
Progestogens
Estrogens
Gonadotrophins
Genitourinary Antispasmodics

8.   Systemic Hormonal Preparations, Excluding Sex Hormones
Hormones
Corticosteroids
Pituitary and Hypothalamic Hormones
Thyroid/Antithyroid
Thyroid Hormones
Antithyroid Preparations

10. General Anti-Infectives For Systemic Use
Antimycotics for Systemic Use
Antimycobacterials
Antivirals for Systemic Use
Aminoglycoside Antibacterials
Cephalosporins and Related Substances
Macrolides
Quinolone Antibacterials
Sulfonamides
Tetracyclines
Penicillins
Penicillins (Natural)
Penicillins (Penicillinase-Resistant)
Penicillins (Broadspectrum)
Miscellaneous Antibacterials

12. Antineoplastic Agents
Antineoplastic
Alkylating
Anti-Metabolites
Miscellaneous Antineoplastics
Immunosuppressive Agents

13. Musculoskeletal System
Skeletal Muscle Relaxants
Skeletal Muscle Relaxants (Centrally Acting)
Skeletal Muscle Relaxants (Combination)
Analgesics/Antipyretics
Antiinflammatory and Antirheumatic (NSAID)
Preparations Increasing Uric Acid
Gold Preparations
Topical Products for Joint and Muscular Pain

14. Nervous System
Parasypathomimetic
Anticholinergic Antimuscarinics/Antispasmodics
Ergot Alkaloids
Antiepileptics
Antimigraine
Anti-Parkinson Drugs
Alcohol
Analgesics/Antipyretics (Salicylic Acid/Derivatives)
Analgesics/Antipyretics (Opioids)
Analgesics/Antipyretics (Opioids-Combinations)
Analgesics/Antipyretics (Opioids-Codeine)
Analgesics/Antipyretics (Miscellaneous)

Analgesics/Antipyretics (Acetaminophen)
Antidepressants
Antidepressants (Mao Inhibitors)
Antidepressants (Tricyclics)
Antidepressants (Serotonin Inhibitors)
Antidepressants (Others)
Anxiolytics, Sedatives, Hypnotics
Anxiolytics (BZD-Short Half-Life)
Anxiolytics (BZD-Medium Half-Life)
Anxiolytics (BZD-Long Half-Life)
Anxiolytics (Other)
Hypnotics and Sedatives (Barbiturates)
Hypnotics and Sedatives (Other)
Antipsychotics (Phenothiazines)
Antipsychotics (Others)
Psychostimulants
Antipsychotic (Lithium)

16. **Antiparasitic Products**
Antiprotozoals (Antimalarials)

18. **Respiratory System**
Antihistamines (General)
Antihistamines (For Systemic Use)
Antihistamines (For Systemic Use - Other)
Respiratory Stimulants
Anti-Allergic and Other Anti-Asthmatics (Inhaled)
Anti-Asthmatics (Theophyllines)
Anti-Asthmatics (B-Agonists)
Anti-Asthmatics (Others)
Cold Medications

19. **Sensory Organs**
Anti-Infectives
Anti-Inflammatory
Carbonic Anhydrase Inhibitors
Antiglaucoma Preparations and Miotics
Mydriatics
Mouth Washes and Gargles
Nasal and Systemic Decongestants (Nasal)
Opthalmological and Otological Preparations
Anti-Infective (Antivirals)
Anti-Infective (Sulfonamides)
Anti-Infective (Miscellaneous)

22.   Various
Anti-Smoking Agents
Heavy Metal Antagonists
Local Anesthetics (Parenteral)
Vaccines
Vitamin A Derivatives
Vitamin B Complex
Vitamin C
Vitamin D
Vitamin E
Vitamin K
Miscellaneous Vitamin Preparations
Multivitamins
Placebo
Unclassified Therapeutics

24.   Natural Medicines
Natural Medicines
Medicinal Herbs
Natural Weight Reduction
Tisanes
Chinese Medicine
Natural Immune/Anti-Allergy
Micro-Algae
Proteins
Amino-Acids
Nucleoside
Amino Sugar
Fatty Acids
Natural Oils, Spices
Natural Enzymes
Natural Vitamins
Natural Antioxidants
Natural Minerals
Nutritional Products
Alternative Therapies
Aroma Therapy
Homeopathic
Natural Medicines (Miscellaneous)

26.   Missing
Missing Drugs and Missing Products

SMC8DTYP Type of Smoker
Based on SMC8_2, SMC8_4A, SMC8_5.

Value of SMC8DTYP	Description	Condition
1	Daily smoker	SMC8_2=1
2	Occasional smoker but former daily smoker	SMC8_2=2 & SMC8_5=1
3	Always an occasional smoker	SMC8_2=2 & SMC8_5=2
4	Former daily smoker	SMC8_2=3 & SMC8_4A=1 & SMC8_5=1
5	Former occasional smoker	SMC8_2=3 & SMC8_4A=1 & SMC8_5=2
6	Never smoked	SMC8_2=3 & SMC8_4A=2
96	Not applicable	SMC8_2=6
99	Not stated	SMC8_2>6

SMC8DYRS Number of Years Smoked
Based on SMC8_3, SMC8_6 and SMC8_8 .

For daily smokers or former daily smokers only.

0 to 135
996. Not applicable
999. Not stated

For daily smokers the number of years smoked was calculated by subtracting the value in SMC8_3 from current age. For former smokers the value in SMC8_6 is subtracted from the value in SMC8_8.

ALC8DTYP Type of Drinker
Based on ALC8_2 and ALC8_5B.

Value of ALC8DTYP	Description	Condition
1	Regular drinker	ALC8_2 >1 and ALC8_2 < 96
2	Occasional drinker	ALC8_2 =1
3	Non-drinker now	ALC8_5B =1
4	Abstainer	ALC8_5B =2
6	Not applicable	ALC8_2 = 96 and ALC8_5B = 6
9	Not stated	Otherwise

MHC8DDS   Distress Scale
Based on sum of variables MHC8_1A to MHC8_1F.

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 structure 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.

MHC8DCH   Chronicity of Distress and Impairment Scale
Based on MHC8_1G to MHC8_1I.

Paired with MHC8DDS (distress score) are the variables MHC8_1G to MHC8_1I that assess chronicity of distress and impairment associated with distress.

Value of MHC8DCH	Description	Condition
1	A lot more than usual	MHC8_1H=1
2	Somewhat more than usual	MHC8_1H=2
3	A little more than usual	MHC8_1H=3
4	About the same as usual	MHC8_1G=3
5	A little less than usual	MHC8_1I=3
6	Somewhat less than usual	MHC8_1I=2
7	A lot less than usual	MHC8_1I=1
8	Never have had any	MHC8_1G=4
96	Not applicable	MHC8_1G=6
99	Not stated	MHC8_1G=9

MHC8DSF   Depression Scale – Short Form Score
Based on MHC8_2 to MHC8_28.

The items used to measure depression are based on the work of Kessler and Mroczek (from University of Michigan). They selected a subset of items from the Composite International Diagnostic Interview (CIDI) that measure major depressive episode (MDE). The CIDI is a structure 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. The short-form of MDE used in the NPHS was developed to operationalize Criteria A through C of the DSM-III-R diagnosis of MDE. The diagnostic hierarchy rules defined in Criterion D

("not superimposed on schizophrenia, schizophreniform disorder, delusional disorder, or psychotic disorder NOS") were ignored.

MHC8DPP   Depression Scale – Predicted Probability
Based on MHC8DSF.

The probability of caseness to respondents (MHC8DPP) was assigned based on their short-form scores. A probability of caseness of 0 was assigned to respondents who denied the stem questions. MHC8DPP was assigned as follows:

MHC8DSF =	0	1	2	3	4	>4
MHC8DPP =	0	0.1	0.25	0.5	0.8	0.9

SSC8DTNG   Tangible Social Support - MOS (Medical Outcomes Study) Subscale
Based on items SSC8_102, SSC8_105, SSC8_112, and SSC8_115.

Children under 12 and persons in institutions are not asked these questions, and the DV is set to "not applicable".

To calculate the score, the answers to each of the items in the subscale were recoded to the 0-4 range (where 0 refers to "none of the time" and a 4 refers to "all of the time").

SSC8DAFF   Affection - MOS (Medical Outcomes Study) Subscale
Based on items SSC8_106, SSC8_110, and SSC8_120.

Children under 12 and persons in institutions are not asked these questions, and the DV is set to "not applicable".

To calculate the score, the answers to each of the items in the subscale were recoded to the 0-4 range (where 0 refers to "none of the time" and a 4 refers to "all of the time").

SSC8DSOC   Positive Social Interaction - MOS (Medical Outcomes Study) Subscale
Based on items SSC8_107, SSC8_111, SSC8_114 and SSC8_118.

Children under 12 and persons in institutions are not asked these questions, and the DV is set to "not applicable".

To calculate the score, the answers to each of the items in the subscale were recoded to the 0-4 range (where 0 refers to "none of the time" and a 4 refers to "all of the time").

SSC8DEMO   Emotional or Informational Support-MOS (Medical Outcomes Study) Subscale
Based on items SSC8_103, SSC8_104, SSC8_108, SSC8_109, SSC8_113, SSC8_116, SSC8_117 and SSC8_119.

Children under 12 and persons in institutions are not asked these questions, and the DV is set to "not applicable".

To calculate the score, the answers to each of the items in the subscale were recoded to the 0-4 range (where 0 refers to "none of the time" and a 4 refers to "all of the time").