

NATIONAL POPULATION HEALTH SURVEY

HEALTH INSTITUTIONS

DERIVED VARIABLE PUBLIC USE MICRODATA FILE SPECIFICATIONS

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1996-97 PUBLIC USE MICRODATA FILE VARIABLES:

Note: These specifications give the specifications for derived variables on the 1996-97 Health Institutions Public Use microdata file. Most derived variables are unchanged between 1994 and 1996. These specifications also include descriptions of variables grouped for the Public Use Micro Data File (PUMF).

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".

RESIDENT DEMOGRAPHICS

DHI6DAGE Calculated Age

Age was calculated by subtracting the Date of birth from the date of interview for all complete and partial interviews. This variable is not on the PUMF, but used to derive the variable DHI6GAGE.

DHI6GAGE Age group for institutional respondents

Code	Description	Condition
1	Less than 35 years old	If DHI6DAGE < 35
2	35 to 44 years old	Else if 35 <= DHI6DAGE < 45
3	45 to 54 years old	Else if 45 <= DHI6DAGE < 55
4	55 to 64 years old	Else if 55 <= DHI6DAGE < 65
5	65 to 69 years old	Else if 65 <= DHI6DAGE < 70
6	70 to 74 years old	Else if 70 <= DHI6DAGE < 75
7	75 to 79 years old	Else if 75 <= DHI6DAGE < 80
8	80 to 84 years old	Else if 80 <= DHI6DAGE < 85
9	85 to 89 years old	Else if 85 <= DHI6DAGE < 90
10	90 years or older	Else if DHI6DAGE => 90
99	Not stated	Else if DHI6DAGE = 999

DHI6GMAR Current marital status - grouped

Code	Description	Condition
1	Married/CL/Partner	If DHI6_MAR = 1, 2, 3
2	Single(Never married)	Else if DHI6_MAR = 4
3	Widowed	Else if DHI6_MAR = 5
4	Separated / Divorced	Else if DHI6_MAR = 6, 7
9	Not Stated	Else if DHI6_MAR = 97, 99

Note: In 1994 there was no category for partner.

DHI6GADM Derived age at admission - grouped

Code	Description	Condition
1	Less than 35 years old	If DHI6DADM < 35
2	35-54	Else if DHI6DADM = 35-54
3	55-64	Else if DHI6DADM = 55-64
4	65-74	Else if DHI6DADM = 65-74
5	75-84	Else if DHI6DADM = 75-84
6	85 +	Else if DHI6DADM = 85 +
99	Not Stated	Else if DHI6DADM = 999

DHI6GSTY Length of stay in the facility - grouped

Code	Description	Condition
0	Less than 1 year	If DHI6DSTY = 0
1	1 year	Else if DHI6DSTY = 1
2	2 years	Else if DHI6DSTY = 2
3	3-4 years	Else if DHI6DSTY = 3, 4
4	5-9 years	Else if DHI6DSTY = 5-9
5	10-19 years	Else if DHI6DSTY = 10-19
6	20 years or more	Else if DHI6DSTY = 20 +
99	Not Stated	Else if DHI6DSTY = 999

DHI6G11 Place of residency prior to admission - grouped

Code	Description	Condition
1	Own home	If DHI6_11 = 1
2	Relative's home	Else if DHI6_11 = 2
3	Residence for senior citizens	Else if DHI6_11 = 4
4	Nursing home or hospital	Else if DHI6_11 = 5, 6
5	Other	Else if DHI6_11 = 3, 7, 8, 9, 10
9	Not Stated	Else if DHI6_11 = 97, 99

GENERAL HEALTH:**GHI6DHDI** General Health Index

Higher scores indicate positive self-reported health status

- 0. Poor
- 1. Fair
- 2. Good
- 3. Very Good
- 4. Excellent
- 9. Not Stated

(Reverse code for index):

IF GHI6_1 >= 7 THEN GHI6DHDI = 9;

ELSE GHI6DHDI = 5 - GHI6_1;

HEALTH STATUS:**HSI6DVIS** Vision trouble

- 1. No visual problems
- 2. Problem(s) corrected by lens
- 3. Problem seeing close / not corrected
- 4. Problem seeing distance / not corrected
- 5. Problem close & distance / not corrected
- 6. No sight at all
- 99. Not stated

DVVIS_0 = HSI6_1 || HSI6_2 || HSI6_3 || HSI6_4 || HSI6_5;

SELECT (DVVIS_0);

WHEN ('16616') HSI6DVIS = 1;

WHEN ('16621') HSI6DVIS = 2;

WHEN ('21616') HSI6DVIS = 2;

WHEN ('21621') HSI6DVIS = 2;

WHEN ('22116') HSI6DVIS = 3;

WHEN ('22121') HSI6DVIS = 3;

WHEN ('27116') HSI6DVIS = 3;

WHEN ('27121') HSI6DVIS = 3;

WHEN ('16622') HSI6DVIS = 4;

```

WHEN ('16627') HSI6DVIS = 4;
WHEN ('21622') HSI6DVIS = 4;
WHEN ('21627') HSI6DVIS = 4;
WHEN ('22122') HSI6DVIS = 5;
WHEN ('22127') HSI6DVIS = 5;
WHEN ('27122') HSI6DVIS = 5;
WHEN ('27127') HSI6DVIS = 5;
WHEN ('22266') HSI6DVIS = 6;
WHEN ('27266') HSI6DVIS = 6;
OTHERWISE HSI6DVIS = 99;

```

HSI6DHER Hearing problems

1. No hearing problems
2. Problem hearing group / corrected
3. Problem hearing group and individual / corrected
4. Problem hearing group / not corrected
5. Problem hearing group and individual / ind. corrected
6. Problem hearing group and individual / not corrected
7. Cannot hear
99. Not stated

```

DVHEA_0 = HSI6_6 || HSI6_7 || HSI6_8 || HSI6_9 || HSI6_10;
SELECT (DVHEA_0);
WHEN ('16666') HSI6DHER = 1;
WHEN ('21616') HSI6DHER = 2;
WHEN ('21621') HSI6DHER = 3;
WHEN ('21671') HSI6DHER = 3;
WHEN ('22116') HSI6DHER = 4;
WHEN ('27116') HSI6DHER = 4;
WHEN ('22121') HSI6DHER = 5;
WHEN ('22171') HSI6DHER = 5;
WHEN ('27121') HSI6DHER = 5;
WHEN ('27171') HSI6DHER = 5;
WHEN ('22122') HSI6DHER = 6;
WHEN ('22172') HSI6DHER = 6;
WHEN ('27122') HSI6DHER = 6;
WHEN ('27172') HSI6DHER = 6;
WHEN ('22127') HSI6DHER = 6;
WHEN ('22177') HSI6DHER = 99;

```

```

WHEN ('27127') HSI6DHER = 6;
WHEN ('27177') HSI6DHER = 99;
WHEN ('22266') HSI6DHER = 7;
WHEN ('21622') HSI6DHER = 99;
OTHERWISE HSI6DHER = 99;

```

HSI6DSPE Speech trouble

1. No speech problems
2. Partially understood by strangers
3. Partially understood by friend
4. Not understood by strangers
5. Not understood by friends
9. Not stated

```

DVSPE_0 = HSI6_11 || HSI6_12 || HSI6_13|| HSI6_14;
SELECT (DVSPE_0);
WHEN ('1666') HSI6DSPE = 1;
WHEN ('2116') HSI6DSPE = 2;
WHEN ('7116') HSI6DSPE = 2;
WHEN ('2121') HSI6DSPE = 3;
WHEN ('2171') HSI6DSPE = 3;
WHEN ('7121') HSI6DSPE = 3;
WHEN ('7171') HSI6DSPE = 3;
WHEN ('2216') HSI6DSPE = 4;
WHEN ('2716') HSI6DSPE = 4;
WHEN ('7216') HSI6DSPE = 4;
WHEN ('7716') HSI6DSPE = 9;
WHEN ('2221') HSI6DSPE = 4;
WHEN ('2271') HSI6DSPE = 4;
WHEN ('2721') HSI6DSPE = 4;
WHEN ('7221') HSI6DSPE = 4;
WHEN ('2771') HSI6DSPE = 4;
WHEN ('7271') HSI6DSPE = 4;
WHEN ('7721') HSI6DSPE = 9;
WHEN ('7771') HSI6DSPE = 9;
WHEN ('2222') HSI6DSPE = 5;
WHEN ('2227') HSI6DSPE = 5;
WHEN ('2272') HSI6DSPE = 5;
WHEN ('2722') HSI6DSPE = 5;

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WHEN ('7222') HSI6DSPE = 5;
WHEN ('2277') HSI6DSPE = 9;
WHEN ('2772') HSI6DSPE = 5;
WHEN ('7722') HSI6DSPE = 5;
WHEN ('7272') HSI6DSPE = 5;
WHEN ('7227') HSI6DSPE = 9;
WHEN ('2727') HSI6DSPE = 9;
WHEN ('2777') HSI6DSPE = 9;
WHEN ('7772') HSI6DSPE = 5;
WHEN ('7277') HSI6DSPE = 9;
WHEN ('7727') HSI6DSPE = 9;
WHEN ('7777') HSI6DSPE = 9;
WHEN ('2122') HSI6DSPE = 9;
OTHERWISE HSI6DSPE = 9;

```

HSI6DMOB Mobility trouble

1. No mobility problems
2. Problems - no aid required
3. Problem requires mechanical support
4. Problem requires wheelchair
5. Problem requires help from people
6. Problem cannot walk
99. Not stated

```

DVMOB_0 = HSI6_15 || HSI6_16 || HSI6_17 || HSI6_18 || HSI6_19 || HSI6_20 ||
HSI6_21;
SELECT (DVMOB_0);
WHEN ('1666666') HSI6DMOB = 1;
WHEN ('2122266') HSI6DMOB = 2;
WHEN ('2127266') HSI6DMOB = 99;
WHEN ('2172266') HSI6DMOB = 99;
WHEN ('2177266') HSI6DMOB = 99;
WHEN ('2112266') HSI6DMOB = 3;
WHEN ('2117266') HSI6DMOB = 3;
WHEN ('2112111') HSI6DMOB = 4;
WHEN ('2112112') HSI6DMOB = 4;
WHEN ('2112117') HSI6DMOB = 4;
WHEN ('2112121') HSI6DMOB = 4;
WHEN ('2112122') HSI6DMOB = 4;

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WHEN ('2112127') HSI6DMOB = 4;
WHEN ('2112131') HSI6DMOB = 4;
WHEN ('2112132') HSI6DMOB = 4;
WHEN ('2112137') HSI6DMOB = 4;
WHEN ('2112141') HSI6DMOB = 4;
WHEN ('2112142') HSI6DMOB = 4;
WHEN ('2112147') HSI6DMOB = 4;
WHEN ('2112171') HSI6DMOB = 4;
WHEN ('2112172') HSI6DMOB = 4;
WHEN ('2112177') HSI6DMOB = 4;
WHEN ('2117111') HSI6DMOB = 4;
WHEN ('2117112') HSI6DMOB = 4;
WHEN ('2117117') HSI6DMOB = 4;
WHEN ('2117121') HSI6DMOB = 4;
WHEN ('2117122') HSI6DMOB = 4;
WHEN ('2117127') HSI6DMOB = 4;
WHEN ('2117131') HSI6DMOB = 4;
WHEN ('2117132') HSI6DMOB = 4;
WHEN ('2117137') HSI6DMOB = 4;
WHEN ('2117141') HSI6DMOB = 4;
WHEN ('2117142') HSI6DMOB = 4;
WHEN ('2117147') HSI6DMOB = 4;
WHEN ('2117171') HSI6DMOB = 4;
WHEN ('2117172') HSI6DMOB = 4;
WHEN ('2117177') HSI6DMOB = 4;
WHEN ('2122111') HSI6DMOB = 4;
WHEN ('2122112') HSI6DMOB = 4;
WHEN ('2122117') HSI6DMOB = 4;
WHEN ('2122121') HSI6DMOB = 4;
WHEN ('2122122') HSI6DMOB = 4;
WHEN ('2122127') HSI6DMOB = 4;
WHEN ('2122131') HSI6DMOB = 4;
WHEN ('2122132') HSI6DMOB = 4;
WHEN ('2122137') HSI6DMOB = 4;
WHEN ('2122141') HSI6DMOB = 4;
WHEN ('2122142') HSI6DMOB = 4;
WHEN ('2122147') HSI6DMOB = 4;
WHEN ('2122171') HSI6DMOB = 4;
WHEN ('2122172') HSI6DMOB = 4;
WHEN ('2122177') HSI6DMOB = 4;

WHEN ('2127111') HSI6DMOB = 4;
WHEN ('2127112') HSI6DMOB = 4;
WHEN ('2127117') HSI6DMOB = 4;
WHEN ('2127121') HSI6DMOB = 4;
WHEN ('2127122') HSI6DMOB = 4;
WHEN ('2127127') HSI6DMOB = 4;
WHEN ('2127131') HSI6DMOB = 4;
WHEN ('2127132') HSI6DMOB = 4;
WHEN ('2127137') HSI6DMOB = 4;
WHEN ('2127141') HSI6DMOB = 4;
WHEN ('2127142') HSI6DMOB = 4;
WHEN ('2127147') HSI6DMOB = 4;
WHEN ('2127171') HSI6DMOB = 4;
WHEN ('2127172') HSI6DMOB = 4;
WHEN ('2127177') HSI6DMOB = 4;
WHEN ('2172111') HSI6DMOB = 4;
WHEN ('2172112') HSI6DMOB = 4;
WHEN ('2172117') HSI6DMOB = 4;
WHEN ('2172121') HSI6DMOB = 4;
WHEN ('2172122') HSI6DMOB = 4;
WHEN ('2172127') HSI6DMOB = 4;
WHEN ('2172131') HSI6DMOB = 4;
WHEN ('2172132') HSI6DMOB = 4;
WHEN ('2172137') HSI6DMOB = 4;
WHEN ('2172141') HSI6DMOB = 4;
WHEN ('2172142') HSI6DMOB = 4;
WHEN ('2172147') HSI6DMOB = 4;
WHEN ('2172171') HSI6DMOB = 4;
WHEN ('2172172') HSI6DMOB = 4;
WHEN ('2172177') HSI6DMOB = 4;
WHEN ('2177111') HSI6DMOB = 4;
WHEN ('2177112') HSI6DMOB = 4;
WHEN ('2177117') HSI6DMOB = 4;
WHEN ('2177121') HSI6DMOB = 4;
WHEN ('2177122') HSI6DMOB = 4;
WHEN ('2177127') HSI6DMOB = 4;
WHEN ('2177131') HSI6DMOB = 4;
WHEN ('2177132') HSI6DMOB = 4;
WHEN ('2177137') HSI6DMOB = 4;
WHEN ('2177141') HSI6DMOB = 4;

WHEN ('2177142') HSI6DMOB = 4;
WHEN ('2177147') HSI6DMOB = 4;
WHEN ('2177171') HSI6DMOB = 4;
WHEN ('2177172') HSI6DMOB = 4;
WHEN ('2177177') HSI6DMOB = 4;
WHEN ('2111111') HSI6DMOB = 5;
WHEN ('2111112') HSI6DMOB = 5;
WHEN ('2111117') HSI6DMOB = 5;
WHEN ('2111121') HSI6DMOB = 5;
WHEN ('2111122') HSI6DMOB = 5;
WHEN ('2111127') HSI6DMOB = 5;
WHEN ('2111131') HSI6DMOB = 5;
WHEN ('2111132') HSI6DMOB = 5;
WHEN ('2111137') HSI6DMOB = 5;
WHEN ('2111141') HSI6DMOB = 5;
WHEN ('2111142') HSI6DMOB = 5;
WHEN ('2111147') HSI6DMOB = 5;
WHEN ('2111171') HSI6DMOB = 5;
WHEN ('2111172') HSI6DMOB = 5;
WHEN ('2111177') HSI6DMOB = 5;
WHEN ('2111266') HSI6DMOB = 5;
WHEN ('2121111') HSI6DMOB = 5;
WHEN ('2121112') HSI6DMOB = 5;
WHEN ('2121117') HSI6DMOB = 5;
WHEN ('2121121') HSI6DMOB = 5;
WHEN ('2121122') HSI6DMOB = 5;
WHEN ('2121127') HSI6DMOB = 5;
WHEN ('2121131') HSI6DMOB = 5;
WHEN ('2121132') HSI6DMOB = 5;
WHEN ('2121137') HSI6DMOB = 5;
WHEN ('2121141') HSI6DMOB = 5;
WHEN ('2121142') HSI6DMOB = 5;
WHEN ('2121147') HSI6DMOB = 5;
WHEN ('2121171') HSI6DMOB = 5;
WHEN ('2121172') HSI6DMOB = 5;
WHEN ('2121177') HSI6DMOB = 5;
WHEN ('2171111') HSI6DMOB = 5;
WHEN ('2171112') HSI6DMOB = 5;
WHEN ('2171117') HSI6DMOB = 5;
WHEN ('2171121') HSI6DMOB = 5;

WHEN ('2171122') HSI6DMOB = 5;
WHEN ('2171127') HSI6DMOB = 5;
WHEN ('2171131') HSI6DMOB = 5;
WHEN ('2171132') HSI6DMOB = 5;
WHEN ('2171137') HSI6DMOB = 5;
WHEN ('2171141') HSI6DMOB = 5;
WHEN ('2171142') HSI6DMOB = 5;
WHEN ('2171147') HSI6DMOB = 5;
WHEN ('2171171') HSI6DMOB = 5;
WHEN ('2171172') HSI6DMOB = 5;
WHEN ('2171177') HSI6DMOB = 5;
WHEN ('2121266') HSI6DMOB = 5;
WHEN ('2171266') HSI6DMOB = 5;
WHEN ('2266111') HSI6DMOB = 6;
WHEN ('2266112') HSI6DMOB = 6;
WHEN ('2266117') HSI6DMOB = 6;
WHEN ('2266121') HSI6DMOB = 6;
WHEN ('2266122') HSI6DMOB = 6;
WHEN ('2266127') HSI6DMOB = 6;
WHEN ('2266131') HSI6DMOB = 6;
WHEN ('2266132') HSI6DMOB = 6;
WHEN ('2266137') HSI6DMOB = 6;
WHEN ('2266141') HSI6DMOB = 6;
WHEN ('2266142') HSI6DMOB = 6;
WHEN ('2266147') HSI6DMOB = 6;
WHEN ('2266171') HSI6DMOB = 6;
WHEN ('2266172') HSI6DMOB = 6;
WHEN ('2266177') HSI6DMOB = 6;
WHEN ('2266266') HSI6DMOB = 6;
OTHERWISE HSI6DMOB = 99;

HSI6DDEX Dexterity trouble

1. No dexterity problems
2. Dexterity problems - no help
3. Dexterity problems - equipment
4. Dexterity problems - person help some tasks
5. Dexterity problems - person help most tasks
6. Dexterity problems - person help all tasks
99. Not stated

```
DVDEX_0 = HSI6_23 || HSI6_24 || HSI6_25 || HSI6_26;
```

```
SELECT (DVDEX_0);
```

```
WHEN ('1666') HSI6DDEX = 1;
```

```
WHEN ('2262') HSI6DDEX = 2;
```

```
WHEN ('2267') HSI6DDEX = 2;
```

```
WHEN ('2261') HSI6DDEX = 3;
```

```
WHEN ('2111') HSI6DDEX = 4;
```

```
WHEN ('2112') HSI6DDEX = 4;
```

```
WHEN ('2117') HSI6DDEX = 4;
```

```
WHEN ('2121') HSI6DDEX = 5;
```

```
WHEN ('2122') HSI6DDEX = 5;
```

```
WHEN ('2127') HSI6DDEX = 5;
```

```
WHEN ('2131') HSI6DDEX = 5;
```

```
WHEN ('2132') HSI6DDEX = 5;
```

```
WHEN ('2137') HSI6DDEX = 5;
```

```
WHEN ('2141') HSI6DDEX = 6;
```

```
WHEN ('2142') HSI6DDEX = 6;
```

```
WHEN ('2147') HSI6DDEX = 6;
```

```
WHEN ('2171') HSI6DDEX = 99;
```

```
WHEN ('2172') HSI6DDEX = 99;
```

```
WHEN ('2177') HSI6DDEX = 99;
```

```
OTHERWISE HSI6DDEX = 99;
```

HSI6DEMO Emotional problems

1. Happy and interested in life
2. Somewhat happy
3. Somewhat unhappy
4. Unhappy with a little interest in life
5. So unhappy that life is not worthwhile
9. Not Stated

```
IF HSI6_27 < 7 THEN HSI6DEMO = HSI6_27;  
ELSE HSI6DEMO = 9;
```

HSI6DCOG Cognition

1. No cognitive problems
2. Some difficulty thinking
3. Somewhat forgetful
4. Somewhat forgetful / some difficulty thinking
5. Very forgetful / great deal of difficulty thinking
6. Unable to remember / to think
99. Not stated

```
DVCOG_0 = HSI6_28 || HSI6_30;  
SELECT (DVCOG_0);  
WHEN ('11') HSI6DCOG = 1;  
WHEN ('12') HSI6DCOG = 2;  
WHEN ('13') HSI6DCOG = 2;  
WHEN ('21') HSI6DCOG = 3;  
WHEN ('22') HSI6DCOG = 4;  
WHEN ('23') HSI6DCOG = 4;  
WHEN ('31') HSI6DCOG = 5;  
WHEN ('32') HSI6DCOG = 5;  
WHEN ('33') HSI6DCOG = 5;  
WHEN ('14') HSI6DCOG = 5;  
WHEN ('24') HSI6DCOG = 5;  
WHEN ('34') HSI6DCOG = 5;  
WHEN ('41') HSI6DCOG = 6;  
WHEN ('42') HSI6DCOG = 6;  
WHEN ('43') HSI6DCOG = 6;
```

```

WHEN ('44') HSI6DCOG = 6;
WHEN ('15') HSI6DCOG = 6;
WHEN ('25') HSI6DCOG = 6;
WHEN ('35') HSI6DCOG = 6;
WHEN ('45') HSI6DCOG = 6;
WHEN ('17') HSI6DCOG = 99;
WHEN ('71') HSI6DCOG = 99;
WHEN ('77') HSI6DCOG = 99;
OTHERWISE HSI6DCOG = 99;

```

HSI6DPAD Activities and Pain

1. No pain or discomfort
2. Pain does not prevent activity
3. Pain prevents a few activities
4. Pain prevents some activities
5. Pain prevents most activities
9. Not stated

```

DVPAIN_0 = HSI6_31 || HSI6_32 || HSI6_33;
SELECT (DVPAIN_0);
WHEN ('166') HSI6DPAD = 1; HSI6DSEV = 1;
WHEN ('211') HSI6DPAD = 2; HSI6DSEV = 2;
WHEN ('221') HSI6DPAD = 2; HSI6DSEV = 3;
WHEN ('231') HSI6DPAD = 2; HSI6DSEV = 4;
WHEN ('291') HSI6DPAD = 2; HSI6DSEV = 9;
WHEN ('271') HSI6DPAD = 2; HSI6DSEV = 9;
WHEN ('212') HSI6DPAD = 3; HSI6DSEV = 2;
WHEN ('222') HSI6DPAD = 3; HSI6DSEV = 3;
WHEN ('232') HSI6DPAD = 3; HSI6DSEV = 4;
WHEN ('292') HSI6DPAD = 3; HSI6DSEV = 9;
WHEN ('272') HSI6DPAD = 3; HSI6DSEV = 9;
WHEN ('213') HSI6DPAD = 4; HSI6DSEV = 2;
WHEN ('223') HSI6DPAD = 4; HSI6DSEV = 3;
WHEN ('233') HSI6DPAD = 4; HSI6DSEV = 4;
WHEN ('293') HSI6DPAD = 4; HSI6DSEV = 9;
WHEN ('273') HSI6DPAD = 4; HSI6DSEV = 9;
WHEN ('214') HSI6DPAD = 5; HSI6DSEV = 2;
WHEN ('224') HSI6DPAD = 5; HSI6DSEV = 3;

```

WHEN ('234') HSI6DPAD = 5; HSI6DSEV = 4;
WHEN ('294') HSI6DPAD = 5; HSI6DSEV = 9;
WHEN ('274') HSI6DPAD = 5; HSI6DSEV = 9;
WHEN ('219') HSI6DPAD = 9; HSI6DSEV = 2;
WHEN ('229') HSI6DPAD = 9; HSI6DSEV = 3;
WHEN ('239') HSI6DPAD = 9; HSI6DSEV = 4;
WHEN ('279') HSI6DPAD = 9; HSI6DSEV = 9;
WHEN ('277') HSI6DPAD = 9; HSI6DSEV = 9;
OTHERWISE HSI6DPAD = 9; HSI6DSEV = 9;

HSI6DSEV Severity of Pain

See HSI6DPAD above.

1. No pain or discomfort
2. Mild pain / discomfort
3. Moderate pain / discomfort
4. Severe pain / discomfort
9. Not stated

HSI6DHSI Health status index

Source: McMaster University

A composite index based on all the questions in the Health Status Section.
Higher scale indicates better health index.

0 to 1 calculated to 3 digits
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 a provisional Health Utility Index (HUI). The HUI is a single numerical value for any possible combination of levels of these eight self-reported health attributes. The HUI maps any one of the vectors of eight health attribute levels into a summary health value between 0 and 1.

For instance, an individual who is near-sighted, yet fully healthy on the other seven attributes, receives a score of 0.95 or 95% of full health. The HUI value also embodies 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 specific HUI calculated here is provisional. The societal preferences were derived from the small-scale Childhood Cancer Study using a precursor of the CHSMS and were adapted for use with the Ontario Health Survey. Some adjustments were also made to the health attributes reported in the Ontario Health Survey. Consequently, the HUI results are preliminary and approximate. This version of the CHSMS, however, was tested for consistency and was deemed to provide a realistic appraisal of individual health status. (For a detailed explanation of the calculation of the HUI, refer to Berthelot J, Roberge R, Wolfson MC. The calculation of health-adjusted life expectancy for a Canadian province using a multi-attribute utility function: a first attempt. Montpellier, France: Colloque *I6serm*/John Libbey Eurotext Ltd, 1993:161-72.)

CHRONIC CONDITIONS

CCI6DNUM Number of chronic conditions reported

If the person answering either refused or didn't know whether the respondent has a chronic condition, then the number of conditions variable is set to not stated. This variable is not in the PUMF, but used to derive the variable CCI6GNUM.

0 to 22

99. Not stated

CCI6GNUM Number of chronic conditions reported – grouped

Code	Description	Condition
0	No conditions	If CCI6DNUM = 0
1	1 condition	Else If CCI6DNUM = 1
2	2 conditions	Else If CCI6DNUM = 2
3	3 conditions	Else If CCI6DNUM = 3
4	4 conditions	Else If CCI6DNUM = 4
5	5 conditions	Else If CCI6DNUM = 5
6	6 conditions	Else If CCI6DNUM = 6
7	7 conditions	Else If CCI6DNUM = 7
8	8 or more conditions	Else If CCI6DNUM = 8 – 22
99	Not stated	Else If CCI6DNUM = 97, 99

RESTRICTION OF ACTIVITIES

RAI6F1 Restriction of Activity Flag

If RAI6_1A = 1 or RAI6_1B = 1 or RAI6_2 = 1

then RAI6F1 = 1; /* AT LEAST 1 RESTRICTION */

Else if RAI6_1A = 2 and RAI6_1B = 2 and RAI6_2 = 2

then RAI6F1 = 2; /* NO RESTRICTION */

Else if (RAI6_1A=2 or RAI6_1A=7) and (RAI6_1B=2 or RAI6_1B=7) and (RAI6_2=2 or RAI6_2=7) then RAI6F1 = 7 /* DON'T KNOW */

Else RAI6F1 = 9; /* RESTRICTION NOT STATED */

RAI6G25A Main health problem (using ICD-9) recoded to 25 categories

Based on RAI6CIC1. This variable is not available in the PUMF, but was used to derive the variable RAI6GC7A.

1. Mental retardation
2. Mental disorders (excluding mental retardation)
3. Sight disorder
4. Hearing disorder
5. Other disorders of nervous system
6. Hypertensive disease
7. Ischemic heart disease
8. Other heart conditions
9. Other circulatory disorders
10. Bronchitis and emphysema
11. Asthma
12. Other respiratory disorders
13. Disorders of digestive system
14. Infectious and parasitic diseases
15. Arthritis - lower limbs
16. Arthritis - upper limbs
17. Arthritis - back and spine
18. Arthritis - other & unspecified
19. Musc. skeletal - low limbs
20. Musc. skeletal - upper limbs
21. Musc. skeletal - back
22. Musc. skeletal - other
23. Neoplasms
24. Endocrine, nutritional, etc.
25. Other
96. Not Applicable
99. Not stated

RESTRICTION OF ACTIVITY CODES

1. Mental Retardation

3170 - 3190

Mental Retardation

7580

Down's Syndrome

2. Mental Disorders

2900 - 3160 Psychoses, neurotic disorders

3. Sight Disorders

3600 - 3799 Disorders of the Eye and Adnexa
 7430 - 7439 Congenital anomalies
 8710 - 8719 Open wound eyeball
 9213 - 9219 Contusion of eyeball
 9400 - 9409 Burn of eye\adnexa
 9500 - 9509 Injury optic nerve/traumatic blindness
 V410 - V411 Problems with Sight/Other Eye Problems
 V425 Cornea transplant
 V430 - V431 Replace globe\lens eye
 V522 Artificial eye

4. Hearing Disorders

3800 - 3899 Diseases of Ear and Mastoid Process
 7440 - 7443 Congenital anomalies
 8720 - 8729 Open wound of ear - affecting hearing
 9515 Injury acoustic nerve
 V412 - V413 Problems with Hearing/Other Ear Problems

5. Other Disorders of Nervous System

3200 - 3599 Meningitis, Parkinson's, Epilepsy etc.
 7400 - 7429 Congenital anomalies
 8000 - 8049 Fracture of Skull
 8060 - 8069 Fracture spinal column - paralysis
 8500 - 8540 Intracranial Injury
 9510 - 9514 Nerve injury
 9516 - 9579 Nerve Injury
 9520 Cervical Spinal Cord Lesion

6. Hypertensive Disease

4010 - 4059 Hypertensive Disease

7. Ischaemic Heart Disease

4100 - 4149 Ischaemic Heart Disease

8. Other Heart Conditions

3900 - 3989	Rheumatic Fever and heart disease
4150 - 4179	Pulmonary heart disease
4200 - 4299	Other forms of heart disease
7450 - 7459	Anomalies cardiac septal closure
7460 - 7469	Congenital anomalies of heart
7850 - 7853	Tachycardia
8610 - 8611	Injury to heart
V421	Heart transplant
V422	Transplant heart valve (mechanical)
V433	Heart valve replace (tissue)
V450	Pacemaker

9. Other Circulatory Disorders

4300 - 4389	Cerebrovascular Disease
4400 - 4489	Diseases of arteries
4510 - 4599	Diseases of veins and lymphatics
7470 - 7479	Other congenital anomalies
7854 - 7859	Gangrene\shock etc
9000 - 9049	Injury blood vessels
V434	Replace blood vessel

10. Bronchitis & Emphysema

4900 - 4920	Bronchitis and Emphysema
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11. Asthma

4930 - 4939	Asthma
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12. Other Respiratory Disorders

4770 - 4779	Allergic Rhinitis
4940 - 5199	Bronchiectasis, Pneumoconioses etc.
7480 - 7489	Congenital anomalies
7860 - 7869	Dyspnea, etc
8612 - 8613	Lung injury

13. Disorders of the Digestive System

5200 - 5299	Oral cavity, Teeth, gums, tongue, etc.
5300 - 5799	Ulcer, appendicitis, intestines etc.
7500 - 7519	Other congenital anomalies

7870 - 7879	Symptoms involving digestive system
8630 - 8641	Injury to gastro tract and liver

14. Infectious and Parasitic Diseases

0010 - 1398	Infectious Diseases
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15. Arthritis - lower limbs

VA01 - VA06	Arthritis/Rheumatism
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16. Arthritis - upper limbs

VA07 - VA12	Arthritis/Rheumatism
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17. Arthritis - back & spine

VA13	Arthritis/Rheumatism
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18. Arthritis - other & unspecified

7110 - 7169	Arthropathy, rheumatoid arthritis etc.
7250	Polymyalgia rheumatica
7290	Rheumatism
VA00	Arthritis/Rheumatism
VA14 - VA19	Arthritis/Rheumatism

19. Other Musculoskeletal Disorders - lower limb

7170 - 7179	Internal derangement knee
7265 - 7267	Peripheral Enthesopathies
7321 - 7322	Osteochondropathies hip/femur
7324 - 7325	Osteochondropathies lower leg/foot
7340 - 7359	Acquired deformity foot/toe
7363 - 7367	Acquired deformity lower limb
7395 - 7396	Nonallopathic lesions
7543 - 7547	Congenital deformities
7553	Reduction deformity
7556	Other anomaly
8200 - 8291	Fracture lower limb/hip
8350 - 8381	Dislocation of hip/knee/ankle/foot
8430 - 8451	Sprains of hip/knee/ankle/foot
8900 - 8977	Trauma/amputation
9280 - 9289	Crushing
9596 - 9597	Injury NOS
9912	Frostbite

V521	Artificial leg
VB01 - VB06	Damaged/Removed Discs
VC01 - VC06	Weak/Damaged Bones
VD01 - VD06	Damaged/Torn Cartilages
VE01 - VE06	Sprained/Damaged Ligaments/Tendons
VF01 - VF06	Weak/Pulled/Damaged Muscles
VG01 - VG06	Absence/Missing
VH01 - VH06	Fractures/Breaks
VJ01 - VJ06	Fusions
VK01 - VK06	Deformed/Crooked
VL01 - VL06	Displaced/Dislocated/Slipped
VM01 - VM06	Pain/Soreness
VN01 - VN06	Stiffness
VP01 - VP06	Paralysis
VR01 - VR06	Coordination Problems
VS01 - VS06	Weakness - Site Unspecified
VT01 - VT06	Other Specified Impairments
VU01 - VU06	Other Unspecified Impairments

20. Other Musculoskeletal Disorders - upper limbs

7260 - 7264	Peripheral Enthesopathies
7323	Osteochondrosis upper extremities
7360 - 7362	Acquired deformities arm/hand
7397	Nonallopathic lesions
7552	Congenital Deformity
7555	Congenital deformity
V520	Artificial arm
8100 - 8191	Fracture upper limb
8310 - 8341	Dislocation of shoulder/elbow/finger
8400 - 8421	Sprain of shoulder/elbow/finger
8800 - 8877	Wound/trauma/amputation
9270 - 9279	Crushing
9592 - 9595	Injury NOS
9911	Frostbite
VB07 - VB12	Damaged/Removed Discs
VC07 - VC12	Weak/Damaged Bones
VD07 - VD12	Damaged/Torn Cartilages
VE07 - VE12	Sprained/Damaged Ligaments/Tendons
VF07 - VF12	Weak/Pulled/Damaged Muscles
VG07 - VG12	Absence/Missing

VH07 - VH12	Fractures/Breaks
VJ07 - VJ12	Fusions
VK07 - VK12	Deformed/Crooked
VL07 - VL12	Displaced/Dislocated/Slipped
VM07 - VM12	Pain/Soreness
VN07 - VN12	Stiffness
VP07 - VP12	Paralysis
VR07 - VR12	Coordination Problems
VS07 - VS12	Weakness - site specified
VT07 - VT12	Other Specified Impairments
VU07 - VU12	Other Unspecified Impairments

21. Other Musculoskeletal Disorders - back and spine

7200 - 7209	Ankylosing spondylitis
7210 - 7249	Spondylosis, disorders of back
7268 - 7269	Peripheral enthesopathies
7320	Osteochondrosis of spine
7370 - 7379	Curvature of spine
7384 - 7385	Acquired deformity of spine
7391 - 7394	Back NOS
7542	Congenital lordosis, scoliosis etc
7561	Other congenital anomalies
8050 - 8059	Fracture spine w/0 spinal cord injury
8460 - 8479	Sprains and strains
9591	Injury back NOS
VB13 - VU13	Impairment to Back/spine/discs

22. Other and Unspecified Musculoskeletal Disorders

7100 - 7109	Lupus etc
7180 - 7199	Joint disorder, joint not specified
7270 - 7279	Disorder synovium, tendon, bursa
7280 - 7289	Disorder muscle, ligament, fascia
7291 - 7299	Other soft tissues
7300 - 7319	Osteopathies etc
7326 - 7339	Osteochondropathies other bone/cart.
7368 - 7369	Other acquired deformities of limbs
7380 - 7383	Acquired deformities
7386 - 7389	Acquired deformities
7390	Nonallopathic lesions
7398 - 7399	Lesions rib cage and abdomen

7540 - 7541	Congenital anomalies
7548	Congenital musculoskeletal deform.
7550 - 7551	Congenital anomalies limb unspecified
7554	Congenital anomalies limb unspecified
7558 - 7559	Congenital anomalies limb unspecified
7560	Anomalies of skull & face bones
7562 - 7569	Other congenital anomalies
8070 - 8091	Fracture rib, sternum, trunk etc
8300 - 8301	Dislocation of jaw
8390 - 8391	Other ill-defined dislocation
8480 - 8489	Other ill-defined sprains/strains
9260 - 9269	Crushing injury trunk
9598 - 9599	Injury - Site unspecified
V436	Joint replaced by other means

23. Neoplasms

1400 - 2089	Malignant neoplasms
2100 - 2299	Benign neoplasms
2300 - 2399	Carcinoma-in-situ

24. Endocrine, Nutritional, Metabolic and Immunity Disorders

2400 - 2469	Disorders of thyroid gland
2500 - 2509	Diabetes
2510 - 2799	Endocrine Glands, nutrition defic etc.

25. Other

All others

96-Valid Skip**99-Don't Know, Refusal, Not Stated**

RAI6GC7A Main health problem grouped to 7 categories.

Based on RAI6G25A.

Code	Description	Condition
1	Disease of nervous system and senses	If RAI6G25A = 1, 2, 3, 4, 5
2	Heart Disease	Else if RAI6G25A = 6, 7, 8
3	Other circulatory disorders	Else if RAI6G25A = 9
4	Disease of respiratory system	Else if RAI6G25A = 10, 11, 12, 13
5	Arthritis – limbs, back & spine, other	Else if RAI6G25A = 15, 16, 17, 18
6	Diseases of the MSCT – limbs, back and other	Else if RAI6G25A = 19, 20, 21, 22
7	Other	Else if RAI6G25A = 23, 24, 25, 14
96	Not applicable	Else if RAI6G25A = 96
99	Not stated	Else if RAI6G25A = 99

RAI6G4 Cause of main health problem - grouped

Based on RAI6_4.

Code	Description	Condition
1	Injury	If RAI6_4 = 1
2	Existed at birth	Else if RAI6_4 = 2
3	Disease or illness	Else if RAI6_4 = 4
4	Natural aging process	Else if RAI6_4 = 5
5	Other	Else if RAI6_4 = 3, 6, 7
6	Not Applicable	Else if RAI6_4 = 96
9	Not Stated	Else if RAI6_4 > 96

RAI6G25B Second health problem (using ICD-9) recoded in 25 categories

This variable groups the categories in the same groups as RAI6G25A. This variable is not in the PUMF, but used to derive the variable RAI6GC7B.

RAI6GC7B Second health problem (using ICD-9) grouped to 7 categories

Code	Description	Condition
1	Disease of nervous system and senses	If RAI6G25B = 1, 2, 3, 4, 5
2	Heart Disease	Else if RAI6G25B = 6, 7, 8
3	Other circulatory disorders	Else if RAI6G25B = 9
4	Disease of respiratory and digestive system	Else if RAI6G25B = 10, 11, 12, 13
5	Arthritis – limbs, back & spine, other	Else if RAI6G25B = 15, 16, 17, 18
6	Diseases of the MSCT – limbs, back and other	Else if RAI6G25B = 19, 20, 21, 22
7	Other	Else if RAI6G25B = 23, 24, 25, 14
96	Not applicable	Else if RAI6G25B = 96
99	Not stated	Else if RAI6G25B = 99

RAI6G6 Cause of second health problem - grouped

Based on RAI6_6.

Code	Description	Condition
1	Injury	If RAI6_6 = 1
2	Existed at birth	Else if RAI6_6 = 2
3	Disease or illness	Else if RAI6_6 = 4
4	Natural aging process	Else if RAI6_6 = 5
5	Other	Else if RAI6_6 = 3, 6, 7
6	Not Applicable	Else if RAI6_6 = 96
9	Not Stated	Else if RAI6_6 > 96

RAI6DNUM Number of tasks respondents need help with

How many tasks the respondent needs help with, based on the answers to RAI6_8A to 8E. All the respondent answers of “yes” to a maximum of 5 are added together to reveal the number of tasks the respondent needs help with. If the person answering either refused or didn’t know whether the respondent needed help with this tasks, then the number of tasks needing help with variable is set to “not stated”.

BALANCE

FLI6G4 Most serious injury - grouped

Code	Description	Condition
1	Broken or Fractured Hip	If FLI6_4 = 1
2	Broken bone other than hip	Else if FLI6_4 = 2
3	Bruise/scrape/cut	Else if FLI6_4 = 3
4	Other injury	Else if FLI6_4 = 4, 5, 6
6	Not Applicable	Else if FLI6_4 = 96
9	Not Stated	Else if FLI6_4 > 96

FLI6G5OT Cause of fall - other - grouped

Code	Description	Condition
1	Yes	If (FLI6_5E = 1 or FLI6_5F = 1) or (FLI6_5E=2 and FLI6_5F = 2 and FLI6_5J=1)
2	No	Else if FLI6_5E = 2 and FLI6_5F = 2 and FLI6_5J = 2
6	Not applicable	Else if FLI6_5E = 6 or FLI6_5F = 6
7	Don’t know	Else if FLI6_5E = 7 or FLI6_5F = 7
9	Not Stated	Else if FLI6_5E = 9 or FLI6_5F = 9

SMOKING**SMI6G2** Age that began to smoke cigarettes daily (daily smokers) - grouped

Code	Description	Condition
1	Less than 15 years old	If SMI6_2 < 15
2	15 to 19 years old	Else if SMI6_2 > 14 and SMI6_2 < 20
3	20 years or more	Else if SMI6_2 > 19 and SMI6_2 < 996
6	Not applicable	Else if SMI6_2 = 996
9	Not stated	Else if SMI6_2 > 996

SMI6G3 Number of cigarettes you smoke each day – daily smoker - grouped

Code	Description	Condition
1	1-9 cigarettes	If SMI6_3 < 10
2	10-19 cigarettes	Else if SMI6_3 > 9 and SMI6_3 < 20
3	20 cigarettes or more	Else if SMI6_3 > 19 and SMI6_3 < 996
6	Not applicable	Else if SMI6_3 = 996
9	Not stated	Else if SMI6_3 > 996

SMI6G6 Age began smoking cigarettes daily (former-daily smoker) - grouped

Code	Description	Condition
1	Less than 15 years old	If SMI6_6 < 15
2	15 to 19 years old	Else if SMI6_6 > 14 and SMI6_6 < 20
3	20 years or more	Else if SMI6_6 > 19 and SMI6_6 < 996
6	Not applicable	Else if SMI6_6 = 996
9	Not stated	Else if SMI6_6 > 996

SMI6G7 Age that stopped smoking cigarettes daily (former-daily smoker) - grouped

Code	Description	Condition
1	Less than 55 years old	If SMI6_7 < 55
2	55 to 69 years	Else if SMI6_7 > 54 and SMI6_7 < 70
3	70 years or more	Else if SMI6_7 > 69 and SMI6_7 < 996
6	Not applicable	Else if SMI6_7 = 996
9	Not stated	Else if SMI6_7 > 996

SMI6DTYP Type of Smoker

Based on SMI6_1, SMI6_4, SMI6_5

Code	Description	Condition
1	Daily smoker	If SMI6_1 = 1
2	Occasional smoker, but former daily smoker	Else if SMI6_1 = 2 and SMI6_5 = 1
3	Always an occasional smoker	Else if SMI6_1 = 2 and SMI6_5 = 2
4	Former daily smoker	Else if SMI6_1 = 3 and SMI6_4 = 1 and SMI6_5 = 1
5	Former occasional smoker	Else if SMI6_1 = 3 and SMI6_4 = 1 and SMI6_5 = 2
6	Never smoked	Else if SMI6_1 = 3 and SMI6_4 = 2
99	Not stated	Else SMI6DTYP = 99

Note: Code 5 is new, it was not on GSS

Former code 4 from GSS: Occasional - Not stated- had only 1 respondent from GSS file.

SMI6DYRS Number of years smoked

For daily smokers or former daily smokers only. For daily smokers the number of years smoked was calculated by subtracting the value in SMI6_2 from the current age (DHI6DAGE). For former smokers the value in SMI6_6 is subtracted from the value in SMI6_7. This variable is not in the PUMF, but is used to derive the variable SMI6GYRS.

Code	Description	Condition
0-135	Years	If SMI6DTYP=1 and DHI6DAGE < 996 and SMI6_2 < 996 then SMI6DYRS = (DHI6DAGE-SMI6_2) If SMI6DTYP = 2 or 4 and SMI6_7 < 996 and SMI6_6 < 996 then SMI6DYRS = (SMI6_7 - SMI6_6)
996	Not applicable	Else if SMI6DTYP=3 or 5
999	Not stated	Else if SMI6DTYP=9

SMI6GYRS Number of years smoked - grouped

Code	Description	Condition
1	Less than 10 years	If SMI6DYRS <10
2	10 to 19 years	Else if SMI6DYRS < 20
3	20 to 29 years	Else if SMI6DYRS < 30
4	30 to 39 years	Else if SMI6DYRS < 40
5	40 to 49 years	Else if SMI6DYRS < 50
6	50 years or more	Else if SMI6DYRS < 996
96	Not applicable	Else if SMI6DYRS = 996
99	Not stated	Else if SMI6DYRS >996

ALCOHOL:

ALI6DTYP Derived Type of Drinker

Based on ALI6_2 and ALI6_3.

Note: *Responses to ALI4_2 in 1994 and ALI6_2 in 1996 are in the reverse order from 1994. In 1994 the response categories go from “every day” to “less than once a month” in 1996 the categories go from “less than once a month” to “every day”. The new specifications reflect the ordering in 1996.

Code	Description	Condition
1	Regular drinker: a drink at least once a month	If ALI6_2 > 1 and ALI6_2 < 96
2	Occasional drinker: less than one drink a month	Else if ALI6_2 = 1
3	Non-drinker now: did not have a drink in the last 12 months	Else if ALI6_3 = 1
4	Abstinent (never drank)	Else if ALI6_3 = 2
9	Not stated	Else ALI6DTYP = 9

SOCIAL SUPPORT

SSI6DSIS Derived frequency of social involvement

Based on SSI6_2 and SSI6_11.

This variable looks at the frequency of participation of the resident in social activities inside and outside the facility. It is the maximum frequency of activity of one of two variables SSI6_2 . “How often did you participate in meetings or activities in the past 12 months?” and SSI6_11 “During the past 12 months, how often did you leave this facility for social or recreational purposes?” Since a higher frequency of activity is a lower value of the variables (where 1=daily), the minimum value is used to determine the maximum frequency.

Code	Description	Condition
1	Every day	MIN (SSI6_2 and SSI6_11) Note: SSI6_2 is temporarily recoded to 5 if the question was skipped. (No participation in SSI6_1)
2	At least once a week	
3	At least once a month	
4	Less than once a month	
5	Not at all	
9	Not stated	SSI6_2 > 6 or SSI6_11 > 6

SSI6DCON Derived frequency of contact - friends / relatives outside

Based on SSI6_5, SSI6_8 and SSI6_13.

This variable measures the frequency of contact that the resident has with friends and relatives living outside the facility either in person, or by telephone.

Code	Description	Condition
1	Every day	MIN (SSI6_5, SSI6_8, and SSI6_13) Note: SSI6_5 and 8 are temporarily recoded to 5 if the question was skipped. (Zero in SSI6_4 and SSI6_7)
2	At least once a week	
3	At least once a month	
4	Less than once a month	
5	Not at all	
9	Not stated	If SSI6_5 > 6 or SSI6_8 > 6 or SSI6_13 > 6

SSI6DDIV Diversity of contacts - friends / relatives / staff

Based on SSI6_4, SSI6_6, SSI6_7 and SSI6_10.

This variable takes the scores of each of the variable that asks how many friends or relatives the resident feels close to and converts them to a yes/no response. The derived variable is calculated base on the sum of these positive responses. The value of 1 for each question is added together for a maximum total of 4.

Code	Description	Condition
0	No contacts	SUM (SSI6D4, SSI6D6, SSI6D7, SSI6D10) where SSI6Dx ne 0 and <996
1	One type of contact	
2	Two types of contacts	
3	Three types of contacts	
4	Four types of contacts	
9	Not stated	If SSI6_4 > 996 or SSI6_6 > 996 or SSI6_7 > 996 or SSI6_10 > 996

SSI6G4 Number of close relatives - grouped

Code	Description	Condition
0	None	If SSI6_4 = 0
1	1 person	Else if SSI6_4 = 1
2	2 persons	Else if SSI6_4 = 2
3	3 persons	Else if SSI6_4 = 3
4	4 persons	Else if SSI6_4 = 4
5	5 to 9 persons	Else if SSI6_4 > 4 and SSI6_4 < 10
6	10 or more persons	Else if SSI6_4 >= 10 and SSI6_4 < 997
99	Not stated	Else SSI6G4 = 99

SSI6G6 Number of friends inside - grouped

Code	Description	Condition
0	None	If SSI6_6 = 0
1	1 person	Else if SSI6_6 = 1
2	2 persons	Else if SSI6_6 = 2
3	3 persons	Else if SSI6_6 = 3
4	4 persons	Else if SSI6_6 = 4
5	5 to 9 persons	Else if SSI6_6 > 4 and SSI6_6 < 10
6	10 or more persons	Else if SSI6_6 >= 10 and SSI6_6 < 997
99	Not stated	Else SSI6G6 = 99

SSI6G7 Number of friends outside - grouped

Code	Description	Condition
0	None	If SSI6_7 = 0
1	1 person	Else if SSI6_7 = 1
2	2 persons	Else if SSI6_7 = 2
3	3 persons	Else if SSI6_7 = 3
4	4 persons	Else if SSI6_7 = 4
5	5 to 9 persons	Else if SSI6_7 > 4 and SSI6_6 < 10
6	10 or more persons	Else if SSI6_7 >= 10 and SSI6_6 < 997
99	Not stated	Else SSI6G7 = 99

SSI6G10 Number of close staff members - grouped

Code	Description	Condition
0	None	If SSI6_10 = 0
1	1 person	Else if SSI6_10 = 1
2	2 persons	Else if SSI6_10 = 2
3	3 persons	Else if SSI6_10 = 3
4	4 persons	Else if SSI6_10 = 4
5	5 to 9 persons	Else if SSI6_10 > 4 and SSI6_10 < 10
6	10 or more persons	Else if SSI6_10 >= 10 and SSI6_10 < 997
99	Not stated	Else SSI6G10 = 99

SOCIO-DEMOGRAPHIC:**SDI6CCB** Code for Country of Birth

Coded automatically from SDI6_1 and “other specify” write-in answer using 1996 Reference file for Place of birth by alphabetic and numeric order from the Census. This variable not on PUMF, but used to derive the variable SDI6GC5.

SDI6GCB5 Country of Birth - grouped

Note: For 1996 this is the new grouping for country of birth.

Code	Description	Condition
1	Canada	If SDI6CCB = 13
2	United States	Else if SDI6CCB = 103
3	United Kingdom	Else if SDI6CCB = 548
4	Other Europe	Else if SDI6CCB = 501-547 and 551-589
5	Other	Else if SDI6CCB <500 and NOT 13 or NOT 103 or SDI6CCB >600 AND <9999
9	Not stated	Else if SDI6CCB = 9999

SDI6DAIM Derived age at time of immigration

This variable is not in the PUMF, but used to derive the variable SDI6GAIM.

0 to 135 years

996. Not applicable

999. Not stated

If Year of Immigration < 1999 and year of birth < 9997 then Age of Immigration = Year of Immigration - Year of date of birth

Note: 1999 refers here to a processing code where respondent was born outside Canada but indicated in SDI6_2 that he/she is a Canadian citizen by birth.

IF SDI6_2 < 1999 AND DHI6_YOB < 9997 THEN SDI6DAIM = SDI6_2 - DHI6_YOB

ELSE IF SDI6_2 = 1999 OR SDI6_2 = 9996 THEN SDI6DAIM = 996

ELSE SDI6DAIM = 999

SDI6GAIM Derived age at time of immigration - grouped

Code	Description	Condition
1	Less than 10 years old	If SDI6DAIM < 10
2	10 to 19 years old	Else If SDI6DAIM < 20
3	20 to 29 years old	Else If SDI6DAIM < 30
4	30 to 39 years old	Else If SDI6DAIM < 40
5	40 to 49 years old	Else If SDI6DAIM < 50
6	50 to 59 years old	Else If SDI6DAIM < 60
7	60 years or more	Else If SDI6DAIM < 996
96	Not applicable	Else If SDI6DAIM = 996
99	Not stated	Else If SDI6DAIM = 999

SDI6DRES Derived length of time in Canada since immigration
 This variable is not the PUMF, but used to derive the variable SDI6GRES.

Length of time in Canada = Year of interview - Year of immigration

```
IF SDI6_2 < 1999 AND AMI6_YOI < 9997 THEN
  SDI6DRES = AMI6_YOI - SDI6_2;
ELSE IF SDI6_2 = 1999 OR SDI6_2 = 9996 THEN
  SDI6DRES = 996;
ELSE SDI6DRES = 999;
IF SDI6DRES NE 996 AND SDI6DRES NE 999 THEN
IF SDI6DRES > DHI6DAGE THEN
  SDI6DRES = 999;
```

0 to 135 years

996. Not applicable

999. Not stated

Note: 1999 refers here to a processing code where respondent was born outside Canada but indicated in SDI6_2 that he/she is a Canadian citizen by birth.

SDI6GRES Derived length of time in Canada since immigration - grouped

Code	Description	Condition
1	Less than 20 years	If SDI6DRES < 20
2	20-59 years	Else if SDI6DRES < 60
3	60 years or more	Else if SDI6DRES < 996
6	Born in Canada	Else if SDI6DRES = 996
9	Not stated	Else if SDI6DRES = 999

SDI6DMTG First language learned - grouped

Code	Description	Condition
1	English only	If SDI6_4A=1 and SDI6_4B to SDI6_4R NE 1
2	French only	Else if SDI6_4B=1 and SDI6_4A NE 1 AND SDI6_4C to SDI6_4R NE 1
3	English & French only	Else if SDI6_4A=1 and SDI6_4B=1 and SDI6_4C to SDI6_4R NE 1
4	Other	Else if Any SDI6_4C to SDI6_4R=1
9	Not Stated	Else if SDI6_4A to SDI6_4R >=7

SDI6DLNG Derived Language Can Converse In

Code	Description	Condition
1	English only	If SDI6_5A=1 and SDI6_5B=2 and SDI6_5C=2
2	French only	Else if SDI6_5A=2 and SDI6_5B=1 and SDI6_5C=2
3	English & French only	Else if SDI6_5A=1 and SDI6_5B=1 and SDI6_5C=2
4	English & French & Other	Else if SDI6_5A = 1 and SDI6_5B=1 and SDI6_5C = 1
5	English & Other (Not French)	Else if SDI6_5A = 1 and SDI6_5B=2 and SDI6_5C = 1
6	French & Other (Not English)	Else if SDI6_5A = 2 and SDI6_5B=1 and SDI6_5C = 1
7	Neither English nor French (Other)	Else if SDI6_5A =2 and SDI6_5B =2 and SDI6_5C = 1
8	Not able to speak or understand	Else if SDI6_5D = 1
99	Not Stated	Else if (SDI6_5A to SDI6_5D = 7) or (SDI6_5A to SDI6_5D = 9)

INCOME**INI6G2** Total personal income

Code	Description	Condition
0	No income	If INI6_2 = 8
1	Less than \$5,000	Else if INI6_2 = 1
2	\$5,000 to less than \$10,000	Else if INI6_2 = 2
3	\$10,000 to less than \$15,000	Else if INI6_2 = 3
4	\$15,000 to less than \$20,000	Else if INI6_2 = 4
5	\$20,000 to less than \$30,000	Else if INI6_2 = 5
6	\$30,000 to less than \$40,000	Else if INI6_2 = 6
7	\$40,000 and more	Else if INI6_2 = 7
99	Not Stated	Else if INI6_2 >= 97

DRUGS**DGI6G2** Number of different medications in the past 2 days - grouped

Code	Description	Condition
0	No medications	If DGI6_2 = 0
1	1 medication	Else if DGI6_2 = 1
2	2 medications	Else if DGI6_2 = 2
3	3 medications	Else if DGI6_2 = 3
4	4 medications	Else if DGI6_2 = 4
5	5 medications	Else if DGI6_2 = 5
6	6 medications	Else if DGI6_2 = 6
7	7 medications	Else if DGI6_2 = 7
8	8 medications	Else if DGI6_2 = 8
9	9 medications	Else if DGI6_2 = 9
10	10 medications	Else if DGI6_2 = 10
11	11 medications	Else if DGI6_2 = 11
12	12 or more medications	Else if 11 < DGI6_2 < 997
99	Not Stated	Else if DGI6_2 > 997

DGI6C3A TO DGI6C3L Coded Drug #1 to Drug #12

DGI6_2=996 then DGI6C3A to DGI6C3L=9999999

DGI6G3A TO DGI6G3L

Grouped Drug #1 to Drug #12.

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.

The full set of codes are identified on the master file (DGI6C3A to DGI6C3L). These are available by special request.

Code	Description	Condition*
1	Alimentary tract & metabolism	Substr (DGI6C3x,1,1)='A'
2	Blood & blood forming organs	Substr (DGI6C3x,1,1)='B'
3	Cardiovascular system	Substr (DGI6C3x,1,1)='C'
4	Dermatologicals	Substr (DGI6C3x,1,1)='D'
7	Genito-urinary / sex hormones	Substr (DGI6C3x,1,1)='G'
8	Systemic hormonal preparations	Substr (DGI6C3x,1,1)='H'
10	General anti-infectives	Substr (DGI6C3x,1,1)='J'
12	Antineoplastics	Substr (DGI6C3x,1,1)='L'
13	Musculo-skeletal system	Substr (DGI6C3x,1,1)='M'
14	Nervous system	Substr (DGI6C3x,1,1)='N'
16	Antiparasitic products	Substr (DGI6C3x,1,1)='P'
18	Respiratory system	Substr (DGI6C3x,1,1)='R'
19	Sensory organs	Substr (DGI6C3x,1,1)='S'
22	Various	Substr (DGI6C3x,1,1)='V'
24	Natural medicines	Substr (DGI6C3x,1,1)='X'
26	Unknown medications	Substr (DGI6C3x,1,1)='Z'
96	Not Applicable	DGI6C3x='9999996'
99	Not Applicable	DGI6C3x<'9999996'

DGI6C3A to DGI6C3L

The drug classification is based on the Canadian Anatomical Therapeutic Chemical (ATC) Classification System. The codes used on the microdata file are not the actual ATC codes, but they are the first letter of the drug code which is provided on the Public Use Micro File. The full set of codes are identified on the master file maintained at Statistics Canada. These are available by special request.

1. Alimentary tract and metabolism

- Anti-Obesity 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 Choloretic
- 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. Musculo-skeletal 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

Parasyathomimetic
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)

17. Cold and cough common drugs

Cold Medications

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)

19. Sensory organs

Anti-Infectives
Anti-Inflammatory
Carbonic Anhydrase Inhibitors
Antiglaucoma Preparations and Miotics

Mydriatics
Mouth Washes and Gargles
Nasal and Systemic Decongestants (Nasal)
Ophthalmological 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

SAMPLE IDENTIFIERS

SPI6GFTP Type of facility - grouped

Code	Description	Condition
1	Aged Facility	SPI6DFTP = 1
2	Other Facility	SPI6DFTP = 2 or 3