

# **CAMH MONITOR**



**2008**



# **TECHNICAL GUIDE**

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**2009**

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## 1. Background

The *CAMH Monitor* (CM), conducted by the Centre for Addiction and Mental Health (CAMH), is an on-going monitoring survey of Ontario adults. One of the mandates of the Centre for Addiction and Mental Health, and formerly of the Addiction Research Foundation (ARF), is to provide epidemiological monitoring of indicators related to alcohol, tobacco, and drug use, as well as mental health. As noted below, there is a long tradition of epidemiological survey research in this area. Also evident is the historical progression from surveys assessing strictly alcohol and other drug use, to the *Ontario Drug Monitor* (ODM), which broadened the scope of alcohol and other drug use issues. In 1999, this development continued, and the expanded survey, the *CAMH Monitor* (CM) now includes indicators of health and mental health.

First conducted in 1996, the CM is designed to serve as the primary vehicle for monitoring addictions and mental health issues in Ontario - including alcohol and other drug consumption, substance use problems and public opinion regarding drug issues and policies, mental health status and gambling.

This report describes four important aspects of the 2008 cycle of the CM series: first, the sampling design and strategy is described; second, the outcome of the sampling strategy and the sample quality are evaluated; third, the instrument and questionnaire items are documented; and fourth, the data file and its characteristics are described.

The *CAMH Monitor* is based on the experience of previous monitoring studies, including the *Adult Drug Use* series (1977-1991) and the *Ontario Alcohol and Other Drug Opinion Survey* series (1992-1995). To enhance comparability to earlier surveys, the *CAMH Monitor* has been designed to maintain many of the features of previous surveys. Including the CM 2008, this area of research represents 23 surveys conducted since 1977, making this project the longest ongoing study of adult drug use in Canada (see Table 1).

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**Table 1. ARF/ CAMH - Ontario Adult Population Surveys, 1977-2007**

<b>Year</b>	<b>Survey Series</b>	<b>Mode of Interview</b>	<b>Survey Organization</b>	<b>Source (s)</b>
1 1977	ADU	Personal	Gallup	(Smart & Goodstadt, 1977)
2 1982	ADU	Personal	Gallup	(Smart & Adlaf, 1982)
3 1984	ADU	Personal	Gallup	(Smart & Adlaf, 1984)
4 1987	ADU	Personal	Gallup	(Smart & Adlaf, 1987)
5 1989	ADU	Personal	Gallup	(Adlaf & Smart, 1989)
6 1991	ADU	Personal & Telephone	Gallup & ISR	(Adlaf, Smart, & Canale, 1991)
7 1992	OADOS	Telephone	ISR	(Ferris, Templeton, & Wong, 1994; Ialomiteanu & Bondy, 1997)
8 1993	OADOS	Telephone	ISR	(S. Bondy, 1994)
9 1994	ADU+ OADOS	Telephone	ISR	(Adlaf, Ivis, & Smart, 1994; Paglia, 1995)
10 1995	OADOS	Telephone	ISR	(Anglin, 1995)
11 1996	ODM	Telephone	ISR	(Adlaf, Ivis, Bondy et al., 1997; Adlaf, Ivis, Ialomiteanu, Walsh, & Bondy, 1997)
12 1997	ODM	Telephone	ISR	(Adlaf, Ivis, & Ialomiteanu, 1998; Adlaf, Ivis, Ialomiteanu et al., 1998)
13 1998	ODM	Telephone	ISR	(Adlaf, Paglia, & Ialomiteanu, 1999; Adlaf, Paglia, Ivis, & Ialomiteanu, 1999)
14 1999	CM	Telephone	ISR	(Adlaf & Ialomiteanu, 2001a; Adlaf, Ialomiteanu, & Paglia, 2000)
15 2000	CM	Telephone	ISR	(Adlaf & Ialomiteanu, 2001b; Adlaf, Ialomiteanu, & Paglia, 2001)
16 2001	CM	Telephone	ISR	(Adlaf & Ialomiteanu, 2002a, 2002b)
17 2002	CM	Telephone	ISR	(Adlaf & Ialomiteanu, 2003)
18 2003	CM	Telephone	ISR	(Ialomiteanu & Adlaf, 2004)
19 2004	CM	Telephone	ISR	(Ialomiteanu & Adlaf, 2005)
20 2005	CM	Telephone	ISR	(Adlaf, Ialomiteanu, & Rehm, 2008; Ialomiteanu & Adlaf, 2006)
21 2006	CM	Telephone	ISR	(Ialomiteanu & Adlaf, 2007)
22 2007	CM	Telephone	ISR	(Ialomiteanu & Adlaf, 2008)

Notes: ADU -Ontario Adult Drug Use; OADOS - Ontario Alcohol and Other Drug Opinion Survey; ISR - Institute for Social Research, York University.

## 1.1 Major Differences Between CAMH Monitor and Earlier Surveys

There are three major differences between the CAMH Monitor and earlier surveys:

1. The CAMH Monitor is based on the aggregation of independent monthly surveys (versus the time-limited fieldwork period in earlier surveys). Such repeated or “rolling” surveys have several advantages over single time surveys including the following:
  - greater capacity to detect seasonal and secular trends;
  - greater capacity to provide up-to-date information needs;
  - the sum of the repeated samples leads to better statistical estimation.

(See (Kish, 1965) and (Cochran, 1977) for further discussion on this matter).

2. The CAMH Monitor is regionally stratified (versus nonstratified, proportional allocation employed in earlier surveys). Thus, the precision of estimates from areas such as Northern Ontario are improved compared to earlier surveys. As well, the potential for regionally pooling cases across surveys is greatly enhanced.

3. The CAMH Monitor sample size is increased from earlier surveys, exceeding 2,000 interviews each year.

See Appendix A for details of earlier surveys.

## 2. CAMH Monitor Sample Design

The 1996 to 2008 cycles of the CAMH Monitor survey were administered by the Institute for Social Research (ISR), York University. The survey, which employed random-digit-dialling (RDD) methods via Computer Assisted Telephone Interviewing (CATI), consists of 12 independent monthly surveys (January - December). Between 1996 and 2005 the sample size exceeded 2,400 each year. In 2006, the usual monthly allocation of 200 respondents was reduced beginning in April. In 2008, the monthly allocation varied between 156 and 181 completions. The design employed a two-stage probability selection procedure. Each month a sampling frame of all active area codes and exchanges in Ontario are provided by the ATI Long Lines Tape. Within each regional stratum, a random sample of telephone numbers is selected with equal probability in the first stage of selection (i.e., households). Within selected households, one respondent age 18 or older who could complete the interview in English or French is selected according to the most recent birthday of household members. A minimum of 12 call-backs are placed to unanswered numbers and all households who refused to participate on the first contact are re-contacted in order to secure maximum participation. To increase the precision of estimates within different areas of the Province, the sample is equally allocated among six strata according to area code and the corresponding counties (see Table 2). The CAMH Monitor sample is representative for Ontarians aged 18 and older (9,460,369 individuals) (see Table 5a).

**Table 2. Regional Stratification of the CAMH Monitor Sample**

<b>Region</b>	<b>County</b>	<b>Area Code</b>
Toronto	Toronto	416
Central West	Halton; Hamilton-Wentworth; Peel; Waterloo; Wellington; Dufferin; Niagara; Brant; Haldiman-Norfolk	519, 905
Central East	Simcoe; York; Haliburton; Peterborough; Victoria; Northumberland; Durham	705, 905
West	Kent; Huron; Perth; Elgin; Oxford; Middlesex; Grey; Bruce; Lambton; Essex	519
East	Stormont, Dundas and Glengarry; Prescott-Russell; Ottawa-Carleton; Renfrew; Lanark; Leeds-Grenville; Hastings; Prince Edward; Frontenac; Lennox and Addington	613
North	Kenora; Rainy River; Thunder Bay; Muskoka; Parry Sound; Nipissing; Timiskaming; Algoma; Manitoulin; Sudbury RM; Sudbury TD; Cochrane	705, 807

### 3. Data Collection and Quality

#### 3.1 Questionnaire Content and Design

Two categories of questions exist in the CM - full, and panel items. In total, **2,024** respondents completed the interview in 2008. Two CATI interviews were employed: Panel A represents interviews with **996** respondents interviewed January through June; while Panel B represents interviews with **1,028** respondents interviewed July through December. The purpose of designing two interview schedules was to increase the number of items without increasing the length of any single interview. Thus, panel items are those questions only asked of about half of the CM 2008 respondents; they address issues for which a sample size of about 1,000 would provide sufficient estimates and analytical utility. Full questions are those asked of all respondents in CM 2008; they represent about two-thirds of an interview. (See Appendix C for the questionnaire)

#### 3.2 Questionnaire Pretesting and Interviewing

Prior to the initiation of fieldwork, all new questions and full interviews were pretested with approximately 25 respondents. This pre-survey analysis included information from pretest respondents, interviewer debriefings and expert evaluation from staff at the ISR and the CAMH.

Compared with “paper-pencil” questionnaires, CATI interviews have several advantages, including: immediate data capture, automatic control of question sequences, centralized interviewer supervision and capability of randomization of respondents to particular questions. On average, interviews lasted **23.4** minutes (range 6-66 min.; median 23 min.; 91% of interviews completed within 30 min). Interviews were conducted by 24 ISR interviewers, many of whom had considerable CATI experience and had completed interviews on prior CAMH surveys. In addition, all respondents who refused to

participate on the first call, were recontacted by an experienced interviewer in order to maximize participation.

### 3.3 Methodological & Special Studies

Each CM cycle may contain investigations such as pilot studies, experiments, or recruitment requests for people to participate in other related projects at the CAMH. Special studies are usually included in only one CM cycle, most likely as part of a panel.

CM 2008 contained: a special section on driving and road-rage (items **dr1** to **dr5**, **dd3**, **dd4**, **rr1** to **rr8**), and a special study on the use of pain relievers in Panel B (items **pr3** to **prdep8**).

### 3.4 Respondent Evaluations

Improvement in the quality of survey data depends upon on-going evaluation. In order to continually assess the quality of responses and to further improve future CM interviews, respondents were asked, at the end of the interview, to evaluate two aspects of the interview -- length and comprehension. The following is a summary of the findings.

Forty-eight per cent of respondents found the interview “too long” or “somewhat long” (significantly lower than the 58% in 2006 and down from the 55% in 2007), and only 7% said the interview was “somewhat” or “much too difficult” (down from 13% in 2006 and 9% in 2007). As well, about 11% said they found some questions confusing or unclear (down from the 18% in 2007).

When asked which survey questions were confusing, the most common answers included items about mental health, questions concerning taxes and smoking in public places, and questions about alcohol and drug use. Reasons as to why the questions were confusing included: recall difficulty; insufficient detail to answer questions (e.g., absence of first hand experience or knowledge, unfamiliarity with the situation or lifestyle presented); repetitiveness; and cognitive complexity (e.g., lengthy questions).

In addition, about 17% said there were questions that they understood, but still found difficult to answer (lower than the 28% found in 2007). The most frequently cited drug use questions; alcohol use questions; mental health and depression or schizophrenia items; ethnicity and household income. Among the more common problems mentioned were absence of knowledge or unfamiliarity with the situation or lifestyle presented; recall difficulty; being unable to give a straight answer; ambiguous wording; and perception of the topic as too personal.

Revisions are underway to further reduce the ambiguity and burden on respondents in order to further improve the data quality of the CM.

### 3.5 Data Limitations

Although sample surveys are the most feasible means to establish and monitor substance use issues in the population, those interpreting CM data should consider the following:

- **Telephone households.** The CM is based on a target population of households with telephones. Whether drug use estimates would be significantly biased by projecting to all households depends on the size of non-telephone households and their demographic

composition. Statistics Canada, using their Residential Telephone Service Survey (RTSS), estimates that less than 3% percent of private households in Ontario do not have a telephone and (92.5% of Ontario households have a land line phone and 5% of Ontario households have only a cellphone) (Statistics Canada, 2007). As well, conventional household surveys are limited to those residing in conventional households and are not intended as a sample of all possible adults. Thus, those in prisons, hospitals, military establishments, and, as well, transient populations such as the homeless, are not included.

These excluded groups often contain an especially large number of drug users and heavy drinkers (Rossi, 1989). However, the bias caused by such noncoverage depends upon firstly, the difference in drug use between those surveyed and those not surveyed, and secondly, the size of the group missed (Groves & Couper, 1998). Thus, even if rates of drug use are substantially higher in the excluded group than are those in the sampled group, if the size of the excluded group is small relative to the total population the bias is usually minimal (Kandel, 1991; Trinkoff, Ritter, & Anthony, 1990). Telephone surveys tend to over-represent those with higher education and under-represent those with lower education (Trewin & Lee, 1988).

- **Interview Barriers.** Some interviews could not be completed because respondents could not adequately converse in English or French or were too ill or aged.
- **Self-reports.** Survey estimates are influenced by errors related to individual reporting of behaviours and the conditions under which the survey is conducted. One limitation of the sample survey in this regard is its reliance on self-reported behaviour. Reviews of self-report methods for alcohol and drug use suggest that although surveys tend to underestimate true usage, they are still regarded as the best available means to estimate such behaviours (Harrison, Haaga, & Richards, 1993; Turner, Lessler, & Gfroerer, 1992). Moreover, although these biases influence alcohol and drug use estimates at a single point in time, they should have less impact on estimating trends as long as underreporting remains constant. If this is the case, estimates of change should remain unbiased and valid.

### 3.6 Participation

Of the 5,267 selected telephone numbers (of which 3,547 were known to be eligible or estimated to be eligible), **2,024** respondents participated, representing an effective response rate of **55%** (monthly response rates varied from 51% to 60%) (Table 3). This response rate is higher than the response rate found in 2007 (53%), but lower than the 60% obtained in 2006.

The decline in response rates in the past decade is common for other high quality surveys.

The most recent Canadian survey, the CAS (Canadian Addiction Survey) conducted in 2004, obtained an overall response rate of 47% (Adlaf, Begin, & Sawka, 2005). The BRFSS, the largest Health Risk Survey conducted in the US by the CDC, obtained a medium state overall response rate in 2004 of 41.2% (22.0% - 63.4%) (Centers for Disease Control and Prevention, 2005). Also, the University of Michigan's Survey of Consumer Attitudes, has found a decline in response rates from 60% in 1996 to 48% in 2003 (Curtin, Presser, & Singer, 2005).

In order to increase the response rate for the survey in 2008, we decided to conduct an experiment and to send advance letters to eligible respondents one month in advance of the survey (see Appendix B).

First, we sent advance letters to Toronto respondents who had the lowest response rate in the sample. The average response rate in 2007 for Toronto (no letter) was 44.8%. After 6 waves of data collection in 2008 (with the letter) the average response rate (in Toronto) was up to 51.9%. In addition, the ratio of completions to refusals has improved, and the number of refusals before completion has decreased - all in all, it seemed to be having a positive effect. It seemed to be effective not only in making households aware of the importance of the study and in expecting the phone call, but it also gave interviewers an extra boost of confidence when talking to respondents.

Based on these results, we decided to expand the advance letter strategy to all eligible respondents in July 2008. Details on the fieldwork statistics and monthly response rates are presented in Table 3.

**Table 3. CM 2008 Fieldwork Statistics**

<b>Wave</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>TOTAL</b>
Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN-DEC
Panel	A	A	A	A	A	A	B	B	B	B	B	B	A-B
Begin fieldwork	1/02	2/01	3/01	4/02	5/01	6/02	7/03	8/01	9/01	10/01	11/01	12/02	1/02
End fieldwork	1/31	2/28	3/31	4/30	5/31	6/30	7/31	8/31	9/30	10/31	11/29	12/30	12/30
Total units (1)	426	434	438	444	434	435	428	434	428	431	440	495	5267
Resolved [Eligibility known] (2)	406	414	423	426	424	420	424	425	414	410	429	481	5096
In scope [Eligible] (4)	295	296	288	310	285	301	308	287	301	293	296	287	3547
<b>Respondents (6)</b>	<b>175</b>	<b>162</b>	<b>162</b>	<b>175</b>	<b>158</b>	<b>164</b>	<b>178</b>	<b>168</b>	<b>174</b>	<b>156</b>	<b>181</b>	<b>171</b>	<b>2024</b>
Refusal conversions (11)													
Other Rs (12)													
Non-respondents (7)	120	134	126	135	127	137	130	119	127	137	115	116	1523
Refusals (13)	88	102	98	99	94	93	103	83	97	110	88	99	1154
Noncontacts (14)													
Other nonrespondents (15)	32	32	28	36	33	44	27	36	30	27	27	17	369
Out of scope [Not eligible] (5)	111	118	135	116	139	119	116	138	113	117	133	194	1549
Nonexistent units (8)													
Temporarily out of scope (9)													
Permanently out of scope (10)	111	118	135	116	139	119	116	138	113	117	133	194	1549
Unresolved/Eligibility unknown (3)	20	20	15	18	10	15	4	9	14	21	11	14	171
Estimated in scope (3A)	15	14	10	13	7	11	3	6	10	15	8	8	119
Estimated out of scope (3B)	5	6	5	5	3	4	1	3	4	6	3	6	52
<b>Response rate ----- (6/4+3A)</b>	<b>0.56</b>	<b>0.52</b>	<b>0.54</b>	<b>0.54</b>	<b>0.54</b>	<b>0.53</b>	<b>0.57</b>	<b>0.57</b>	<b>0.56</b>	<b>0.51</b>	<b>0.60</b>	<b>0.58</b>	<b>0.55</b>
Cooperation rate -----(6/6+13)	0.67	0.61	0.62	0.64	0.63	0.64	0.63	0.67	0.64	0.59	0.67	0.63	0.64
Refusal rate -----(13/4)	0.30	0.34	0.34	0.32	0.33	0.31	0.33	0.29	0.32	0.38	0.30	0.34	0.33
Nonresponse rate -----(7+3A/4+3A)	0.46	0.50	0.47	0.48	0.47	0.49	0.43	0.43	0.45	0.52	0.41	0.43	0.46
Noncontact rate -----(14+3A/4+3A)	0.05	0.05	0.03	0.04	0.02	0.04	0.01	0.02	0.03	0.05	0.03	0.03	0.03
<b>Average minutes</b>	<b>24.9</b>	<b>24.6</b>	<b>23.9</b>	<b>23.1</b>	<b>22.7</b>	<b>23.4</b>	<b>23.3</b>	<b>23.1</b>	<b>23.2</b>	<b>24.9</b>	<b>21.3</b>	<b>23.1</b>	<b>23.4</b>
Minutes (range)	6-51	8-42	10-44	6-50	12-54	13-61	6-48	6-46	15-37	10-66	6-43	6-46	6-66

### 3.7 Characteristics of the CM 2008 Sample

Tables 4, 5a and 5b provide basic demographic information regarding the sample.

**Table 4. Demographic Characteristics of the CM 2008 Sample**

	No. Interviews	Unweighted % (N=2024)	Weighted % (N=2050)	Design Effect
<b>Gender</b>				
Male	842	41.6	48.2	1.4
Female	1182	58.4	51.8	1.4
<b>Age</b>				
18-29	200	9.9	19.0	1.5
30-39	279	13.8	18.5	1.3
40-49	415	20.5	20.6	1.4
50-64	595	29.4	22.2	1.3
65+	462	22.8	16.0	1.4
Missing	73	3.6	3.6	1.3
<b>Marital Status</b>				
Married	1097	54.2	58.3	1.4
Partner	141	7.0	7.7	1.2
Widowed	197	9.7	5.0	0.9
Divorced	159	7.9	4.5	1.1
Separated	87	4.3	2.7	0.9
Never Married	317	15.7	20.9	1.5
Missing	26	1.2	1.0	1.0
<b>Regional Strata</b>				
Toronto	352	17.4	22.0	--
Central East	340	16.8	26.2	--
Central West	314	15.5	18.5	--
West	340	16.8	13.0	--
East	328	16.2	13.4	--
North	350	17.3	6.9	--
<b>Rural FSA</b>				
Rural	466	23.0	17.7	1.0
Urban	1558	77.0	82.3	1.0
<b>Highest Education</b>				
Less than high school	259	12.8	9.6	1.3
Completed high school	467	23.1	23.4	1.4
Some college or university	677	33.4	34.4	1.4
Graduated university	604	29.8	31.8	1.4
Missing	17	1.0	1.0	1.3

	No. Interviews	Unweighted % (N=2024)	Weighted % (N=2050)	Design Effect
<b>Gross Family Income (,000s)</b>				
<\$20	118	5.8	3.9	1.0
\$20-29.9	135	6.7	5.1	1.1
\$30-39.9	139	6.9	5.1	1.2
\$40-49.9	121	6.0	5.2	1.4
\$50-59.9	148	7.3	6.3	1.3
\$60-69.9	129	6.4	6.0	1.3
\$70-79.9	110	5.4	6.0	1.4
\$80-89.9	111	5.5	6.0	1.4
\$90-99.9	71	3.5	4.1	1.4
\$100+	432	21.3	25.3	1.4
DK	157	7.8	9.9	1.6
Refused	353	17.4	17.1	1.5
<b>Employment Status</b>				
Full-time job	894	44.2	49.2	1.4
Part-time job	182	9.0	9.8	1.4
Unemployed	44	2.2	2.2	1.4
Retired	552	27.3	18.8	1.2
Homemaker	78	3.9	3.9	1.7
Student	64	3.2	6.2	1.3
Self-employed	112	5.5	5.7	1.2
Other	81	4.0	3.2	1.0
Missing	17	1.0	1.0	
<b>Language spoken at home</b>				
English	1762	87.1	84.8	0.9
French	66	3.3	2.2	1.7
Other	185	9.1	12.3	1.4
Missing	11	0.5	0.7	1.0

### 3.8 Sample Evaluation

Table 5a shows that the weighted distribution (including post-stratification adjustments) of the CM 2008 replicates the age by sex distribution of the 2006 Census. Note that these comparisons will match given the age by sex post-stratification weighting (see page 12). Additional demographic comparisons (for marital status, education and region) were available only for respondents aged 20 and older. For the three available comparisons, there were differences between the two samples for marital status and education. Compared to the 2006 Census, the CM sample under-represented those never married (18.8% vs. 25.4%), those widowed, divorced or separated (14.8% vs. 17.9%), and those with less than high school education (35.4% vs. 44.6%). The CM sample over-represented those married (66.5% vs. 56.6%) and those with a university degree (29.5% vs. 22.4%). This over-representation of high education is common to telephone surveys (Trewin & Lee, 1988).

**Table 5a. Selected Demographic Characteristics: Weighted CM 2008 versus 2006 Census Data, Ontario Population, Aged 18 Years and Over.**

		CM 2008 (N=2024)		2006 Ontario Census (N= 9,460,369)
<b>GENDER</b>				
Male	(45.9	<b>48.6</b>	51.1)	48.8
Female	(48.9	<b>51.4</b>	54.1)	51.2
<b>AGE</b>				
18- 24	(10.3	<b>12.2</b>	14.4)	12.2
25- 44	(35.6	<b>38.2</b>	40.8)	38.2
45- 64	(30.7	<b>33.0</b>	35.4)	33.0
65+	(15.0	<b>16.6</b>	18.5)	16.6

**Table 5b. Selected Demographic Characteristics: Weighted CM 2008 versus 2006 Census Data, Ontario Population, Aged 20 Years and Over.**

		CM 2008 (N=1926)		2006 Ontario Census (N=9,116,385)
<b>MARITAL STATUS</b>				
Never married	(16.5	<b>18.8</b>	21.9)	* 25.4
Married/ Common Law	(63.9	<b>66.5</b>	69.0)	* 56.6
Widowed/ Separated/ Divorced	(13.3	<b>14.8</b>	16.5)	* 17.9
<b>REGION</b>				
Toronto	(21.0	<b>22.0</b>	23.3)	21.2
Non-Toronto	(76.7	<b>78.0</b>	79.0)	78.8
<b>HIGHEST EDUCATION</b>				
High School or Less	(32.9	<b>35.4</b>	37.9)	* 44.6
Some Post-Secondary	(32.5	<b>35.1</b>	37.6)	33.0
University Degree	(27.1	<b>29.5</b>	32.1)	* 22.4

Notes: CM data refer to: lower limit of 95% confidence interval, percentage estimate, and upper limit of 95% confidence interval; \* indicates census data is not within the bounds of the CM CI (CM data excludes missing data).  
Source: Statistics Canada. [On-line]. Available: <http://www12.statcan.ca/english/census/index.cfm>.

## 4. Data Weighting and Analysis

### 4.1 Data Weighting

Because the sample is allocated equally within each of the six regions, weights are required to restore population representation. Users have the option of using one of two weight factors, an expansion weight (**XWGHT**), that represents the total population size (Ontarians aged 18 and over, N= 9,460,369), or a relative weight (**FWGHT**), that represents the number of interviewed respondents. Both weights are a function of the sampling weight and a post stratification adjustment, and both will provide identical (within rounding error) estimates, but will differ in weighted sample size.

Calculation of the 12-month aggregated sampling weight variable consisted of three elements: household (HH), region, and survey wave (month of sampling). Within each wave and region, relative household weight is directly proportional to the number of household residents age 18 and older. Within each cycle, relative region weight is directly proportional to the percentage (P) of all Ontario households located in the region. Finally, cycles are weighted so that each monthly wave makes an equal contribution to the weighted N. At each stage, average weight is equal to 1.

The 12-month aggregated sampling weight variable is a function of the following quantity:

$$\frac{N \text{ adults in HH}}{\text{Mean } N \text{ adults}} \times \frac{P \text{ of HH in region}}{\text{Sample } P \text{ of HH in region}} \times \frac{\text{Total } N}{12 \text{ (monthly } N)}$$

In addition, telephone and other probability surveys typically apply post-strata population adjustments based on census information. Although this procedure does not remove all biases, it does provide a simultaneous adjustment for non-response and non-coverage of households without telephones (Casady & Lepkowski, 1999). Using the 2006 Census (Ontarians aged 18 and over), the post stratification adjustment was based on eight cells representing the age (18-24; 25-44; 45-64; 65+) and gender (male; female) configuration. These adjustments are used in calculating the final weight (**FWGHT** or **XWGHT**).

Weight variables in the CM data file

<b>XWGHT</b>	Final annualized expansion weight
<b>FWGHT</b>	Final annualized relative weight
HHWGTW1-12	Household weight, wave1-12 (monthly)
RWGTW1-12	Region weight, wave1-12 (monthly)
RHHWTW1-12	Region & household weight, wave1-12 (monthly)
HHWGTALL	Household weight, cumulative
RWGTALL	Region weight, cumulative
RHHWTALL	Region-household weight, cumulative

Note: Post-adjustment corrections are computed only for aggregated annualized expansion and relative weights.

## 4.2 Guidelines for Analysis and Release

Sample designs employing complex sampling procedures, such as stratification, weighting and multistage selection, tend to underestimate the variance (or error) of estimates when simple random sampling (SRS) formulas are used. The implication of using SRS formulas on estimates from complex sampling designs is that we are likely to create a narrower confidence interval than truly exists. We will therefore be more likely to find a greater number of statistically significant differences than ought to exist. The design effect or DEFF is a measure that can be used to crudely adjust for this problem. It is essentially the ratio of the variance of an estimate derived from the particular sampling design over the variance of the same estimate of an SRS of the same size. A DEFF of 1.0 indicates that the variance of a given sample design is equivalent to the variance of a SRS. Most complex designs, however, tend to have DEFFs larger than one. The adjustment can also be seen as reducing the size of the sample; thus, if the sample size is 2000, a DEFF of 1.3 would reduce our sample to an equivalent SRS, or effective size, of 1538 (i.e.,  $2000/1.3$ ). The use of an average DEFF is a practical, not a formal solution. Formally each estimate has a unique DEFF, but such computations are still cumbersome. See (Kish, 1965) or (Lee, Forthofer, & Lorimor, 1989) for an elaboration of DEFFs.

If the particular research question involves inference to the total population of Ontario adults (e.g., epidemiological estimates of drinking or drug use), the investigator must employ weights. If the research question does not require a probability sample, the requirement of weighting can be relaxed (see (Groves, 1989): 279-294, for a discussion on this matter).

If a probability sample is a necessary component of the analysis, the following **MUST** be applied when using CM data.

*1. Standard statistical software packages (e.g., Base SPSS, SAS) DO NOT calculate standard errors appropriately for complex survey designs. Programs such as Stata, SUDAAN, SPSS Complex Sampling, SAS Proc Survey Select or EpiInfo must be used to ensure accurate calculations.*

*2. The weight variable -- **FWGHT** or **XWGHT** -- must be used in all analyses.*

The only exception to point 1 is that analyses within the different regions may be done using standard statistical programs (e.g., SPSS, SAS). This is because each stratum closely approximates a simple random sample of that region. Therefore, region-specific descriptive analyses may be performed with standard statistical programs. However, for these analyses, the weight variable **RHHWTALL** should be used instead of **FWGHT** (note that **RHHWTALL** does not include post-strata population adjustments). Again, provincial estimates must always be calculated using **FWGHT** or **XWGHT** and the appropriate statistical software (*Stata, SUDAAN, SPSS Complex Sampling, SAS Proc Survey Select, EpiInfo*). Other design variables necessary for population estimation are:

strata = **region**  
psu = **idnum**

3. *Small estimates (e.g., small percentages) based on a small number of respondents can produce, not only wide confidence intervals, but unstable estimates.*

The relative standard error or the coefficient of variation (CV) should be employed to identify unstable estimates (see Table 6). Although individual researchers are responsible for material submitted to scientific journals, estimates intended for any public release by CAMH must meet the CV criteria.

### 4.3 Reliability and Suppression

There are two aspects to the statistical quality of survey data: precision - typically measured by the 95% confidence interval (CI), and stability - typically measured by the ratio of the standard error to its estimate. Confidence intervals indicate the probable error of a given survey estimate; thus, a  $\pm 1.9\%$ , 95% CI (based on the total CM sample of 2000 with a percentage estimate of 50%) indicates that with repeated sampling, 95% of the samples would contain the true population estimate. Confidence intervals, however, do not reflect total errors or accuracy, but reflect errors due to the fact that we are surveying only a sample of the total population. Errors as measured by confidence intervals do not include nonsampling errors such as question nonresponse, problems of respondent memory and recall, interviewer effects, sensitivity of questions, underreporting of drug use, and the like. Thus, the reader should always bear in mind that the "precision" of an estimate, as indicated by the confidence interval, is not synonymous with "total accuracy" of an estimate.

The ratio of the standard error to its estimate is a measure especially useful when comparing the precision of different estimates based on different sample sizes and different measures. The criteria for the suppression for CM data are based on the coefficient of variation (CV).

Guidelines for data suppression based on the CV are as follows:

<b>CV range</b>	<b>Estimate stability</b>
0-16.5	Estimate stable
16.6-33.3	Estimate has moderate sampling variability and should be interpreted with caution
33.3+	Estimate unstable and should be suppressed

**Table 6. Coefficient of Variation Values by Percentage Estimate and CM 2008 Sample Size**

CM 2008 CV TABLE															
		0.5	1	1.5	2	2.5	3	3.5	4	5	6	7	8	9	10
<b>Total</b>	<b>2024</b>	31.4	22.1	18	15.6	13.9	12.6	11.7	10.9	9.7	8.8	8.1	7.5	7.1	6.7
<b>Men</b>	<b>842</b>	48.6	34.3	27.9	24.1	21.5	19.6	18.1	16.9	15	13.6	12.6	11.7	11	10.3
<b>Women</b>	<b>1182</b>	41	29	23.6	20.4	18.2	16.5	15.3	14.3	12.7	11.5	10.6	9.9	9.3	8.7
<b>18-29</b>	<b>200</b>	100	70.5	57.4	49.6	44.3	40.3	37.2	34.7	30.9	28.1	25.8	24	22.5	21.3
<b>30-39</b>	<b>279</b>	84.6	59.7	48.6	42	37.5	34.1	31.5	29.4	26.1	23.7	21.9	20.3	19.1	18
<b>40-49</b>	<b>415</b>	69.3	48.9	39.8	34.4	30.7	27.9	25.8	24.1	21.4	19.5	17.9	16.7	15.6	14.7
<b>50-64</b>	<b>595</b>	57.9	40.8	33.3	28.7	25.6	23.3	21.5	20.1	17.9	16.2	15	13.9	13	12.3
<b>65+</b>	<b>462</b>	65.7	46.3	37.7	32.6	29.1	26.5	24.5	22.8	20.3	18.4	17	15.8	14.8	14
<b>TO</b>	<b>352</b>	75.3	53.1	43.3	37.4	33.3	30.4	28	26.1	23.3	21.1	19.5	18.1	17	16
<b>C South</b>	<b>155</b>	113.7	80.2	65.3	56.4	50.3	45.8	42.3	39.5	35.1	31.9	29.4	27.3	25.6	24.2
<b>C West</b>	<b>247</b>	89.9	63.4	51.7	44.6	39.8	36.3	33.5	31.2	27.8	25.2	23.2	21.6	20.3	19.1
<b>S West</b>	<b>340</b>	76.6	54	44	38	33.9	30.9	28.5	26.6	23.7	21.5	19.8	18.4	17.3	16.3
<b>C East</b>	<b>282</b>	84.2	59.4	48.3	41.8	37.3	33.9	31.3	29.2	26	23.6	21.7	20.2	19	17.9
<b>East</b>	<b>328</b>	78	55	44.8	38.7	34.5	31.4	29	27.1	24.1	21.9	20.2	18.8	17.6	16.6
<b>North</b>	<b>320</b>	79	55.7	45.4	39.2	35	31.8	29.4	27.4	24.4	22.2	20.4	19	17.8	16.8
<b>Never married</b>	<b>1238</b>	40.1	28.3	23	19.9	17.8	16.2	14.9	13.9	12.4	11.3	10.4	9.6	9	8.5
<b>Married</b>	<b>443</b>	67.1	47.3	38.5	33.3	29.7	27	25	23.3	20.7	18.8	17.3	16.1	15.1	14.3
<b>Prev. married</b>	<b>317</b>	79.4	56	45.6	39.4	35.1	32	29.5	27.6	24.5	22.3	20.5	19.1	17.9	16.9
<b>&lt;High School</b>	<b>259</b>	87.8	61.9	50.5	43.6	38.9	35.4	32.7	30.5	27.1	24.6	22.7	21.1	19.8	18.7
<b>Completed HS</b>	<b>467</b>	65.3	46.1	37.5	32.4	28.9	26.3	24.3	22.7	20.2	18.3	16.9	15.7	14.7	13.9
<b>Some post-sec</b>	<b>677</b>	54.3	38.3	31.2	26.9	24	21.9	20.2	18.8	16.8	15.2	14	13	12.2	11.5
<b>Univ. Degree</b>	<b>604</b>	57.4	40.5	33	28.5	25.4	23.2	21.4	20	17.8	16.1	14.8	13.8	12.9	12.2
<b>&lt; \$30,000</b>	<b>253</b>	88.9	62.7	51	44.1	39.3	35.8	33.1	30.9	27.5	24.9	23	21.4	20	18.9
<b>\$30,000-\$49,000</b>	<b>260</b>	87.7	61.8	50.4	43.5	38.8	35.3	32.6	30.4	27.1	24.6	22.6	21.1	19.8	18.6
<b>\$50,000-\$79,000</b>	<b>387</b>	71.8	50.6	41.2	35.6	31.8	28.9	26.7	24.9	22.2	20.1	18.6	17.3	16.2	15.3
<b>\$80,000+</b>	<b>614</b>	57	40.2	32.7	28.3	25.2	23	21.2	19.8	17.6	16	14.7	13.7	12.8	12.1
<b>Not stated</b>	<b>510</b>	62.5	44.1	35.9	31	27.7	25.2	23.3	21.7	19.3	17.5	16.2	15	14.1	13.3

Note: Green (dark shaded) entries represent unstable estimates; Yellow (light shaded) entries represent estimates with moderate sampling variability; Unshaded entries represent estimates with acceptable reliability; CV values ignore design effect.

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## **Appendix A**

### **Summary of ARF and CAMH Adult Population Surveys**

Table A1. ARF/ CAMH - Ontario Adult Population Surveys, 1977-2007

Year	Mode of Interview	Survey Organization	Sample Design	N Date	RR Deff	Source
1977	Face-to-face	Gallup	Modified-probability design: The sample design incorporated stratification by six community size groups, based on the most recent census data: cities of 500,000 population and over; those between 100,000 and 500,000; 30,000 to 100,000; 10,000 to 30,000; 1,000 to 10,000, and rural farm and rural nonfarm areas. The population was arrayed in geographic order by community size within those classifications, by census enumeration areas. Enumeration areas, on the average, contain about 500 to 1,000 people. Up to 105 enumeration areas were selected randomly from this array. Within urban centres, a random block sampling procedure was used to select starting points for interviewers. The interviewer was provided with a map of the enumeration area, showing the location of the starting point and was required to follow a specified route in the selection of households. Within the household, the youngest male, 18 years and over at home at the time of the interview, was surveyed. If there is no male available, or when the male quota was completed, the youngest available female, 18 years and over, was interviewed.	N=1,059 June 16-18	NA	(Smart & Goodstadt, 1977)
1982	Face-to-face	Gallup		N=1,040 Feb. 22-28	NA	(Smart & Adlaf, 1982)
1984	Face-to-face	Gallup		N=1,050 Feb. 27-March 3	NA	(Smart & Adlaf, 1984)
1987	Face-to-face	Gallup		N=1,084 Jan. 8-23	NA	(Smart & Adlaf, 1987)
1989	Face-to-face	Gallup		N=1,101 Feb. 8-11, March 1-4	NA	(Adlaf & Smart, 1989)
1991	Face-to-face	Gallup		N=1,041 Feb 5-15	NA	(Adlaf et al., 1991)
1991	Telephone	ISR	Full-probability RDD: The survey used random-digit-dialling (RDD) techniques through Computer Assisted Telephone Interviewing (CATI) methods. The design employed a two-stage probability random-digit-dialling (RDD) survey. From a sampling frame of all active area codes and exchanges in Ontario provided by the ATT Long Lines Tape, a random sample of telephone numbers was selected with equal probability in the first stage of selection (i.e., households). Within selected households, one respondent was selected according to the most recent birthday of household members. A minimum of 12 call-backs were made to each nonresponding household, and all households who refused to participate were re-contacted in order to maximize participation. Sampling weights were a function of the number of household members.	N=1,047 Feb. 20-March 18	RR=67% Deff=1.14	(Adlaf et al., 1991)
1992	Telephone	ISR		N=1,058 June 14- August 20	RR=63% Deff=1.19	(Ferris et al., 1994; Ialomiteanu & Bondy, 1997)
1993	Telephone	ISR		N=1,034 April 19- May 24	RR=65% Deff=1.10	(S. Bondy, 1994; Ialomiteanu & Bondy, 1997)
1994	Telephone	ISR		N=2,022 Mar. 1- May 5	RR=63% Deff=1.16	(Adlaf et al., 1994; Paglia, 1995)

Year	Mode of Interview	Survey Organization	Sample Design	N Date	RR Deff	Source
1995	Telephone	ISR		N=994 March 28-May 9	RR=62% Deff=1.16	(Anglin, 1995)
1996	Telephone	ISR	<b>CAMH Monitor (CM)</b>  Full-probability monthly RDD: The survey used RDD techniques through CATI methods. The design employed a two-stage probability RDD survey stratified by six geographical regions with sample sizes allocated equally. From a sampling frame of all active area codes and exchanges in Ontario provided by the ATT Long Lines Tape, a random sample of telephone numbers was selected with equal probability in the first stage of selection (i.e., households). Within selected households, one respondent was selected according to the most recent birthday of household members. A minimum of 12 call-backs were made to each nonresponding household, and all households who refused to participate were re-contacted in order to maximize participation. Twelve monthly samples were cumulated to provide overall estimates. Sampling weights were a function of the number of household members, regional probabilities and wave.	N=2721 April 8- January 8	RR=64%	(Adlaf, Ivis, Bondy et al., 1997; Adlaf, Ivis, Ialomiteanu et al., 1997)
1997	Telephone	ISR		N=2776 Jan 14 - Dec21	RR=67%	(Adlaf, Ivis, & Ialomiteanu, 1998; Adlaf, Ivis, Ialomiteanu et al., 1998)
1998	Telephone	ISR		N=2509 Jan 21- Dec 20	RR=69%	(Adlaf, Paglia, & Ialomiteanu, 1999; Adlaf, Paglia, Ivis et al., 1999)
1999	Telephone	ISR		N= 2436 January 20 December 21	RR=69%	(Adlaf & Ialomiteanu, 2001a; Adlaf et al., 2000)
2000	Telephone	ISR		N= 2406 January 20 December21	RR=61%	(Adlaf & Ialomiteanu, 2001b; Adlaf et al., 2001)
2001	Telephone	ISR		N= 2627 January 25 December20	RR=61%	(Adlaf & Ialomiteanu, 2002a, 2002b)
2002	Telephone	ISR		N= 2421 Jan 10 – Dec 22	RR=58%	(Adlaf & Ialomiteanu, 2003)
2003	Telephone	ISR		N= 2411 Jan 03 –Dec 30	RR=58%	(Ialomiteanu & Adlaf, 2004)

Year	Mode of Interview	Survey Organization	Sample Design	N Date	RR Deff	Source
2004	Telephone	ISR		N= 2611 Jan 02 - Dec 30	RR=59%	(Ialomiteanu & Adlaf, 2005)
2005	Telephone	ISR		N= 2445 Jan 10 – Dec 22	RR=61%	(Adlaf et al., 2008; Ialomiteanu & Adlaf, 2006)
2006	Telephone	ISR		N= 2016 Jan 03 – Dec 30	RR=61%	(Ialomiteanu & Adlaf, 2007)
2007	Telephone	ISR		N= 2005 Jan 02 – Dec 30	RR=53%	(Ialomiteanu & Adlaf, 2008)

Notes: ISR, Institute for Social Research, York University. Design effects were calculated for 15 variables. (The variables were as follows: gender; education; age; marital status; ever smoked cigarettes; number of cigarettes smoked daily; percentage who had a drink in last 12 months; highest number of drinks on one occasion; percent who felt need to reduce drinking; percentage ever using marijuana; percentage purchasing a lottery ticket; percentage agreeing alcohol taxes should be reduced; percentage agreeing that warning labels are effective; percentage using sleeping pills in last 12 months; percentage using cocaine in lifetime) The average design effect was used to downweight the sample size to an effective sample size. For the 1977 to 1989, a DEFF of 1.3 was used for statistical analyses.

## **Appendix B**

### **Experimental and Special Studies**

**The 2008 “Advance Letter”  
(sent to respondents one month before the survey)**

33 Russell Street  
Toronto, Ontario  
Canada M5S 2S1  
Tel.: 416.535.8501

33, rue Russell  
Toronto (Ontario)  
Canada M5S 2S1  
Tel.: 416.535.8501

www.camh.net



«Month», 2008

The «Name1» Household  
«Address»  
«City» «PROV» «Postal»

I am sending this letter to let you know that in the next few days you will receive a telephone call from the Survey Centre at York University's Institute for Social Research asking you to participate in a research project.

For the past 30 years, the Centre for Addiction and Mental Health (CAMH) has been conducting research on alcohol, tobacco and other drug use and how trends in use and public opinion have changed over time. Should you wish to learn more about the Centre for Addiction and Mental Health (CAMH), please visit the web site: <http://www.camh.net>. If you wish to know more about the survey, please call the Institute for Social Research (toll free) at 1-888-847-0148 or at 416-736-5393. If you wish to view survey results, please visit the web site: [http://www.camh.net/Research/camh\\_monitor.html](http://www.camh.net/Research/camh_monitor.html)

*A PAHO/WHO*  
**Collaborating Centre**  
*Un Centre collaborateur*  
*OPS/OMS*

*Affiliated with the*  
*University of Toronto*  
*Affilié à l'Université*  
*de Toronto*

The information collected in the CAMH Monitor is used to build knowledge about addiction and mental health issues, evaluate health programs, and help create health and social policies in Ontario.

It is only with the assistance of people like you that the research can be successful. Thank you in advance for your time and consideration.

Sincerely,

A handwritten signature in blue ink, appearing to read "E Adlaf".

Research Scientist &  
Co-Head, Public Health & Regulatory Policy  
Centre for Addiction & Mental Health &  
Associate Professor,  
Department of Public Health Sciences and Psychiatry,  
Faculty of Medicine, University of Toronto  
Ph: (416)535-8501 x4506  
Fax: (416)595-6899  
email: [edward\\_adlaf@camh.net](mailto:edward_adlaf@camh.net)

**Appendix C**

**2008 CAMH Monitor Questionnaire**

## The 2008 CAMH Monitor: Question Allocation

	Variable Description	Full	Panel A	Panel B
		Items	Items	Items
		Jan - Dec	Jan-June	July-Dec
<b>1</b>	<b>Tobacco Block</b>			
<b>A</b>	<b>Consumption</b>			
	Smoking Status (tc1- tc7)			
tc1	At the present time, do you smoke...?	1		
tc2	Have you smoked 100 cigs?	1		
tc3	Have you ever smoked daily?	1		
tc4	Age of onset	1		
tc5	How long ago you smoked?	1		
tc6	How many cigs smoked daily	1		
tc7	How soon after wake up do you smoke?	1		
	<b>Occasional Smoking</b> (tos1-tos2)			
tos1	How many cigarettes?	1		
tos2	On how many days (last 30d) did you smoke?	1		
	<b>Smoking Cessation</b> (tc8-tc10; tq2)			
tc8	Past 12 month serious attempt? (tc8)	1		
tc9	Intent in 6 months? (tc9)	1		
tc10	Intent in 30 days? (tc10)	1		
tq2	Quitting contest	1		
	<b>Cigars</b>			
tc11	On how many days (past 30d) did you smoke cigars...?	1		
tc15	How many cigars did you smoke (typical day)?	1		
<b>B</b>	<b>Tobacco Policy</b>			
tp26a	Where do you work?		1	
tp31ind	Last week, how many days exposed to tobacco smoke INDOORS while you were at work?		1	
tp30	How many people smoke cigarettes, cigars, cigarillos or pipes INSIDE your home every day		1	
tp65	Some people feel that the sale of cigarettes shld be banned...		1	
tp64	Smoking should not be allowed on restaurant or bar patios		1	
tp53	Smoking should not be allowed indoors in multi-unit dwellings		1	
tp67	Smoking should be banned on public sidewalks.		1	
tp68	Smoking should be banned in public parks and on public beaches		1	
tp15	There should be a law that says parents cannot smoke inside		1	
	their home if children are living there?			
tp16	There should be a law that says parents cannot smoke inside car...		1	

tp5	Cigarettes should be sold in plain white packages...		1	
tp69	Smokeless tobacco, ...should not be sold in Ontario		1	
tp39a	The number of outlets that sell cigarettes should be greatly reduced		1	
tp73	Menthol cigarettes are less harmful than regular cigarettes		1	
tp70	Moving cigarette packs out of sight in stores would make it easier for YOU to quit smoking (SMOKERS).		1	
tp35	Tobacco products should be sold in ...		1	
tp46	Tobacco companies are totally responsible ...		1	
tp74	In the PAST 30 DAYS, did you see ANY ADVERTISING OF TOBACCO PRODUCTS		1	
tp57	In the PAST 30 DAYS, have you been to a convenience store		1	
tp58	In the PAST 30 DAYS, how often have you noticed cigarette packs or other tobacco products displayed BEHIND the counter ..		1	
tp62	In the PAST 30 DAYS, how often have you noticed special price offers for cigarettes		1	
	<b>Impulse purchases - SMOKERS</b>			
tp71	Past 30d how often have you bought cigarettes because you saw cigarette packs displayed in the store		1	
tp72a	When you tried to quit smoking in the past 12 months, cigarette pack displays in stores ever make you want to buy cigarettes?		1	
tp72b	When this happened, did you actually buy cigarettes		1	
	<b>Puchasing Profile- SMOKERS only</b>			
tp75a	The last time you bought cigarettes for your own use, what BRAND did you buy?		1	
tp76a	Did you buy these cigarettes in packs, cartons, bags or other		1	
tp76b	About how many (packs/ cartons/ bags) did you buy?		1	
tp77	And about how many cigarettes were in each		1	
tp78	About how much in Canadian dollars, did you pay in total		1	
tp79	And did you buy them:		1	
<b>2</b>	<b>Alcohol</b>			
	<b>Use (10 items)</b>			
ac1	During the past 12 months have you had a drink?	1		
ac2	Did you EVER have a drink of any alcoholic beverage?	1		
ac5	How often, if ever, did you drink alcoholic beverages during the past 12 months?	1		
ac5a	How often, if ever, did you drink alcoholic beverages during the past 30 days?	1		
ac6a	On those days when you drank, how many drinks did you usually have? (pasat 12 m)	1		

five	About how often in the past 12 m you had 5 or more drinks at the same sitting	1		
five30	About how often in the past 30 days you had 5 or more drinks at the same sitting	1		
four	About how often in the past 12 m you had 4 or more drinks at the same sitting (women only)	1		
ac3	Was there ever a time when you drank 5 or more drinks on one occasion at LEAST ONCE A WEEK	1		
ac6b	What is the largest number of drinks you can recall having on one occasion during the past 12m?	1		
	<b>Past week drinker-wheel (8 items)</b>			
ac10	Over the past 7 days, how many drinks you had each day.	1		
sun -sat	How many drinks did you have on Sun ...Sat	7		
	<b>AUDIT (7 items: aud4-aud0)</b>			
aud4	How often during the past 12 months have you found you were not able to stop drinking once started	1		
aud5	How often in the past 12 m have you failed to do what was expected from you because of drinking	1		
aud6	How often past 12 m have you needed a first drink in the morning...	1		
aud7	How often past 12 m have you had a feeling of guilt or remorse after drinking	1		
aud8	How often past 12 m have you been unable to remember what happened the night before	1		
aud9	Have you or someone else EVER been injured as a result of your drinking?	1		
aud10	Has a relative, friend, doctor EVER been concerned about your drinking or suggested you cut down?	1		
	<b>Alcohol Policy (Panel B only)</b>			
	Violence/Agression (asked 1997)			7
	Reducing alcohol problems (asked 1997)			6
<b>3</b>	<b>Driving</b>			
sd7b	Do you have a valid driving licence?	1		
drive	During the past 12 months, have you driven a car, van,... or any other type of motor vehicle?	1		
dr1,a,b,c,d	How much you drive in a typical WEEK - Km/ miles....	5		
	<b>Drinking &amp; driving (past 12m)</b>			
dd1	During the past 12 m, have you driven a motor vehicle after having 2 or more drinks in the previous hour	1		
dd2	How many times in THE PAST 30 DAYS?	1		
	<b>Passenger with impaired driver</b>			
adr	In the past 12 m, have you been a passenger in a car	1		

	driven by smn who had 2 or more drinks previous hr...			
cdr	In the past 12 m, have you been a passenger in a car driven by smn who smoked cannabis previous 2 hrs	1		
acdr	In the past 12 m, have you been a passenger in a car driven by smn who had BOTH alcohol and cannabis previous 2 hrs	1		
<b>4</b>	<b>Road Rage</b>			
rr1	In the past 12 m, how many times has smn in another vehicle shouted, cursed, made rude gestures at you	1		
rr2	In the past 12 m, how many times has smn in another vehicle threatened to hurt you or others with you	1		
rr3	In the past 12 m, how many times has smn in another vehicle intentionally damaged the vehicle you're in	1		
rr4	In the past 12 m, how many times has smn in another vehicle intentionally hurt or threatened to hurt you	1		
rr5	In the past 12 m, how many times you shouted, cursed, made rude gestures at a driver or passenger...	1		
rr6	How many times have you threatened to hurt a driver or passenger in another vehicle, or threatened to damage their vehicle?	1		
rr7	How many times have you intentionally damaged or attempted to damage another driver's vehicle?	1		
rr8	How many times have you intentionally hurt or attempted to hurt a driver or passenger in another vehicle			
<b>5</b>	<b>Cannabis</b>			
cn1	Cannabis lifetime use	1		
cn2	Cannabis last 12 months	1		
	<b>Cannabis Use &amp; Driving</b>			
cdr1	Driving after cannabis use (past 12 months)	1		
cdr2	Number of times (past 30 d)	1		
	<b>Dependence/Problems</b>			
can3m/cud1	Use past 3 m	1		
cn30	Use past 30 d	1		
	<b>CUDIT (+ASSIST)</b>	12		
cud2	Nr. hrs intoxicated typical day			
cud3	Intoxicated more than 6 hrs (past 3m)			
cud4	Not able to stop			
cnas1	Strong desire to use			
cnas2	Use led to health, social, legal probl			
cnas3/cud5	Failed to do what was normally expected			
cud6	Needed to use cannabis in the morning			
cud7	Feeling of guilt			
cud8	Problems with memory			
cnas4/cud10	Someone expressed concern			

cnas5	Tried and failed to cut down or stop using			
cud9	Someone been injured			
	<b>Risk Perceptions – Cannabis (Panel B)</b>			
crisk1	Risk when they smoke marijuana once a month?			1
crisk2	Risk when they smoke marijuana once or twice a week?			1
crisk3	Risk when driving after marijuana			1
<b>6</b>	<b>Cocaine</b>			
ck1	Cocaine lifetime use	1		
ck2	Cocaine last 12 months	1		
<b>7</b>	<b>General Health</b>			
gh1	General health good, ...?	1		
hs1a	Mental health good,...?	1		
gh2r	Nr. days, past 30 days,physical health not good	1		
gh3r	Nr. days, past 30 days, mental health not good	1		
gh4	Nr. days, past 30 days, mental health kept from doing...	1		
<b>8</b>	<b>GHQ-12</b>	12		
gq1	Able to concentrate			
gq2	Played useful part in things			
gq3	Felt capable of making decisions			
gq4	Able to enjoy day-to-day activities			
gq5	Able to face up to problems			
gq6	Felt reasonable happy			
gq7	Lost sleep because of worry			
gq8	Felt constantly under strain			
gq9	Felt you could not overcome your difficulties			
gq10	Felt unhappy and depressed			
gq11	Lost confidence in yourself			
gq12	Thought of yourself as worthless person			
<b>9</b>	<b>Psychotherapeutics</b>			
ps1-ps16	Past 12 mth anxiety/depression/sleeping pills	3		
ps3-ps17	Past 7 days anxiety/depression/sleeping pills	3		
<b>10</b>	<b>Pain relievers</b>			
pr3-pr3f	Use; Source			7
prdep1-prdep8	Missuse			8
<b>11</b>	<b>Demographics</b>	24		
age1/birth	Age			
rgend	Gender			
d2	Highest level of education			
sd3-4	Religion			
sd5	Married/widowed/divorced ...			

sd5a	Household, number of people			
sd6-sd6b	Present/past work			
sd7	Main occupation			
sd7b	Valid driver's licence			
sd8	Language spoken at home			
sd9a-sd9c	Ethnic/cultural group			
sd10	Household income			
sd16r	Internet use			
sd8a	Immigrant - what country			
sd8b	Immigrant -when did come to Canada			
pcode				
ISR1-ISR3	Separate telephone numbers/ household			
	Use internet/online services			
county	County			
re1-re4	Respondent Evaluations			
	<b>Total (Unique items)</b>	<b>126</b>	<b>30</b>	<b>31</b>
	<b>TOTAL Items</b>	<b>187</b>	<b>30</b>	<b>31</b>

=====

**TITLE: Ontario CAMH MONITOR 2008 - PANEL A+B**

**January - December 2008**

=====

```
>gend< [return][open cb][allow 1][loc 45/1]
  [setkey <esc> to <skcb>]
  [setkey <f7> to <j>]
  [define <d><8>][define <r><9>]
```

[bold][yellow] INTERVIEWER: Enter respondent's gender please  
[n][white]

1 Male  
5 Female

d Don't know  
@

[@] <1,5,d>  
[store gend in RGENDER]

```
>ssss< [if BTIM is <>][settime BTIM][endif]
  [open cb]
```

```
>quex_wins< [window 2 background black] [# command
window]
```

```
  [window 3 background blue] [# entry window]

  [window 4 start row 7 column 36]-----+
  [window 4 size 17 rows 38 columns] | "pop up" help
window
  [window 4 border] |
  [window 4 reference] |
  [window 4 background yellow]-----+

```

[# ===== TOBACCO CONSUMPTION =====]

```
>tc1< [# ask all][define <d><8>][define <r><9>]
```

[r] First, I'd like to begin with some questions about cigarette  
smoking. [n]

[r] At the present time do you smoke cigarettes daily,  
occasionally, or [n]  
[r] not at all? [n]

1 Daily  
3 Occasionally  
5 Not at all

d Don't Know r Refused  
@

[@] <1> [goto tc4]  
<3,5,d,r>

```
>tc2<
```

[r] Have you smoked at least 100 cigarettes in your life?  
[n]

[bold][yellow]  
Interviewer, if necessary: "100 cigarettes is about 5 packs."  
[n][white]

1 Yes  
5 No

d Don't Know r Refused  
@

[@] <1>  
<5,d,r> [goto SMOKE\_FLAG]

```
>tc3<
```

[r] Have you ever smoked cigarettes daily?  
[n]

1 Yes  
5 No

d Don't Know r Refused  
@

[@] <1>  
<5,d,r> [goto tc5]

```
>tc4< [# ask daily smokers only]
  [define <d><98>][define <r><99>]
```

[r] How old were you when you first started smoking daily?  
[n]

5-70 Enter age

71 71 or older

d Don't Know r Refused  
@

[@] <5-71,d,r>

```
>tc5< [if tc1 eq <1>][goto tc6][endif]
  [define <d><8>][define <r><9>]
```

[r] How long ago was it that you last smoked: was it less than one  
week ago, [n]

[r] less than one month, 1 to 6 months, 7 to 11 months, 1 to 5  
years, or more [n]  
[r] than 5 years ago? [n]

[bold][yellow]

INTERVIEWER: If respondent gives AGE, ask how many  
YEARS AGO that was.

[n][white]

0 Less than one week  
1 more than one week but less than a month  
2 1 to 6 months  
3 7 to 11 months  
4 1 to 5 years  
5 more than 5 years

d Don't Know r Refused

@

[@] <0,1>  
<2-5,d,r> [goto SMOKE\_FLAG]

>tc6< [if tc1 ge <5>][goto SMOKE\_FLAG][endif]  
[if tc1 ge <3>][goto tc7][endif]  
[define <d><98>][define <r><99>]

[r] How many cigarettes do you usually smoke each day?

[bold][yellow]  
INTERVIEWER: 1 large pack = 25 cigarettes; 1 small pack = 20 cigarettes  
[n][white]

0 Less than one a day

1-97 Enter number of cigarettes

d Don't Know r Refused  
@

[@] <0-97,d,r>

>tc7< [if tc1 eq <3>][goto tos1][endif]  
[define <d><8>][define <r><9>]

[r] How soon after you wake up do you usually smoke your first cigarette: within[n]  
[r] 5 minutes, from 6 to 30 minutes, from 31 to 60 minutes, or after 60 minutes?[n]

1 within 5 minutes  
3 6 to 30 minutes  
5 31 to 60 minutes  
7 after 60 minutes

d don't know r refused  
@

[@] <1,3,5,7,d,r>

[#=== OCCASIONAL SMOKING =====]

[#NEW in 2005, used in CCHS ]

>tos1< [#new in 2005]  
[if tc1 ne <3> goto tc8][#ask only occasional smokers,if tc1 eq <3>]  
[define <d><98>][define <r><99>]

[r] On those days that you do smoke, about how many cigarettes do you [n]  
[r] usually have? [n]

0-60 enter number

d don't know r refused  
@

[@] <0-60,d,r>

>tos2< [#new in 2005]

[r] On how many of the last 30 days did you smoke one or more cigarettes? [n]

0 none

1-30 enter number

d don't know r refused  
@

[@] <0,d,r>  
<1-30>

>tc8< [define <d><98>][define <r><99>] [# ask all current smokers]

[r] In the past 12 months, how many times have you made a serious attempt to [n]  
[r] quit smoking cigarettes? [n]

[bold][yellow]  
IF NECESSARY: A serious attempt would mean you quit smoking for at least 24 hours.  
[n][white]

0 No attempts

1-96 Enter exact number  
97 97 or more

d Don't Know r Refused  
@

[@] <0-97,d,r>

>tc9< [define <d><8>][define <r><9>]

[r] Are you intending to quit smoking in the next SIX MONTHS?  
[n]

[bold][yellow]  
INTERVIEWER: "Yes we mean quitting altogether"  
[n][white]

1 yes  
5 no

d Don't Know r Refused  
@

[@] <1>  
<5,d,r> [goto tc11]

>tc10<

[r] Are you intending to quit in the next THIRTY DAYS?  
[n]

1 yes  
5 no

d Don't Know r Refused

@

[@] <1,5,d,r>

[# ===== CIGARS =====]

>tc11< [define <d><98>][define <r><99>] [#ask all] [#started in 98]

[r] On how many of the last 30 days did you smoke one or more cigars or [n] cigarillos? [n]

0 none

1-30 enter number

d don't know r refused

@

[@] <0,d,r> [goto SMOKE\_FLAG] <1-30>

>tc15< [#started in 98]

[r] On those days that you smoked cigars or cigarillos, how many did you [n] typically smoke? [n]

0-30 enter number

d don't know r refused

@

[@] <0-30,d,r>

>SMOKE\_FLAG< [allow 1][store <0> in SMOKE\_FLAG] [if tc1 is <1>][store <1> in SMOKE\_FLAG][endif] [if tc1 is <3> and tc2 is <1>] [store <1> in SMOKE\_FLAG] [endif]

[#===SMOKING CESSATION =====]

[# Asking total sample]

>tq2< [# items tq1, tq3 deleted 2008]

[r] Many communities offer help to smokers who want to quit. Please tell me if, [n] [r] in the past 30 days, you have seen or heard about a "Quit Smoking" contest? [n]

1 yes

5 no

d don't know r refused

@

[@] <1,5,d,r>

[#===== TOBACCO POLICY =====]

[#===== Panel A only =====]

[# === WORKPLACE SMOKING =====] [#ASK ALL]

>tp26a< [define <d><8>][define <r><9>]

[r] The next questions are about smoking in the workplace. [n]

[r] First, where do you work? Do you work... [n]

1 mainly at home

2 mainly indoors other than your home

3 mainly outdoors

0 do not work

d Don't Know r Refused

@

[@] <2,3> <0,1,d,r> [goto tp30]

[# === ETS EXPOSURE =====]

>tp31ind< [define <d><98>][define <r><99>]

[r] In the last week, how many days were you exposed to other people's tobacco [n] [r] smoke INDOORS while you were at work? By exposed, I mean spending at least [n] [r] 5 minutes in an area where someone is smoking? [n]

[bold][yellow] Interviewer if asked: this includes vehicles, cafeterias and other common INDOORS areas.

[n][white]

0 no days

1-7 enter number of days

97 do not work outside the home

d Don't Know r Refused

@

[@] <0,1-7,97,d,r>

>tp30< [#ASK ALL] [define <d><98>][define <r><99>]

[r] Including yourself, how many people smoke cigarettes, cigars, cigarillos or [n] [r] pipes INSIDE your home every day or almost every day? [n]

[bold][yellow]  
INTERVIEWER: if necessary, this does not include garages,  
balconies,  
porches etc.  
[n][white]

0 no one smokes any tobacco inside the home

1-20 (Enter number of people)

d Don't Know r Refused  
@

[@] <1-20,0,d,r>

>tp65< [#ASK ALL] [#new in 2006][define <d><8>][define  
<r><9>] [#revised 2008]

[r] Some people feel that the sale of cigarettes should be banned  
while others [n]  
[r] think they should continue to be sold. Do you think the SALE  
OF CIGARETTES [n]  
[r] should be stopped as soon as possible, phased out over five to  
ten years, [n]  
[r] or cigarettes should continue to be sold?  
[n]

1 Stopped as soon as possible  
3 Phased out over five to ten years  
5 Cigarettes should continue to be sold

d Don't Know r Refused  
@

[@] <1,3,5,d,r>

>tp64< [#ASK ALL] [#new in 2005]

[r] Do you strongly agree, somewhat agree, somewhat disagree or  
strongly [n]  
[r] disagree with the following statements.  
[n]

[r] The first one is: [n]  
[r] Smoking should not be allowed on restaurant or bar patios:  
[n]

[bold][cyan]  
Do you strongly agree, somewhat agree, somewhat disagree or  
strongly disagree?  
[n][white]

1 strongly agree  
3 somewhat agree  
5 somewhat disagree  
7 strongly disagree

d Don't Know r Refused  
@

[@] <1,3,5,7,d,r>

>tp53< [#ASK ALL] [#new in 2005]

[r] Smoking should not be allowed indoors in multi-unit  
dwellings with shared [n]  
[r] ventilation, such as apartment buildings, rooming houses and  
retirement homes.[n] [n]

[bold][cyan]  
Do you strongly agree, somewhat agree, somewhat disagree or  
strongly disagree?  
[n][white]

1 strongly agree  
3 somewhat agree  
5 somewhat disagree  
7 strongly disagree

d Don't Know r Refused  
@

[@] <1,3,5,7,d,r>

>tp67< [#ASK ALL] [#new in 2007]

[r] Smoking should be banned on public sidewalks.  
[n]

[bold][cyan]  
Do you strongly agree, somewhat agree, somewhat disagree or  
strongly disagree?  
[n][white]

1 strongly agree  
3 somewhat agree  
5 somewhat disagree  
7 strongly disagree

d Don't Know r Refused  
@

[@] <1,3,5,7,d,r>

>tp68< [#ASK ALL] [#new in 2007]

[r] Smoking should be banned in public parks and on public  
beaches. [n]

[bold][cyan]  
Do you strongly agree, somewhat agree, somewhat disagree or  
strongly disagree?  
[n][white]

1 strongly agree  
3 somewhat agree  
5 somewhat disagree  
7 strongly disagree

d Don't Know r Refused  
@

[@] <1,3,5,7,d,r>

>tp15< [#ASK ALL]

[r] There should be a law that says parents cannot smoke inside  
their home [n]  
[r] if children are living there? [n]

[bold][cyan]  
Do you strongly agree, somewhat agree, somewhat disagree or  
strongly disagree?  
[n][white]

- 1 strongly agree
- 3 somewhat agree
- 5 somewhat disagree
- 7 strongly disagree

d Don't Know    r Refused  
@

[@] <1,3,5,7,d,r>

>tp16< [#ASK ALL]

[r] There should be a law that says parents cannot smoke inside  
their car if [n]  
[r] children are present? [n]

[bold][cyan]  
Do you strongly agree, somewhat agree, somewhat disagree or  
strongly disagree?  
[n][white]

- 1 strongly agree
- 3 somewhat agree
- 5 somewhat disagree
- 7 strongly disagree

d Don't Know    r Refused  
@

[@] <1,3,5,7,d,r>

>tp5< [#ASK ALL]

[r] Cigarettes should be sold in plain white packages that show  
only health [n]  
[r] warnings, ingredients and brand name as a way of  
discouraging smoking among [n]  
[r] youth and children? [n]

[bold][cyan]  
Do you strongly agree, somewhat agree, somewhat disagree or  
strongly disagree?  
[n][white]

- 1 strongly agree
- 3 somewhat agree
- 5 somewhat disagree
- 7 strongly disagree

d don't know    r refused  
@

[@] <1,3,5,7,d,r>

>tp69< [#new in 2007] [#ASK ALL]

[r] Smokeless tobacco, such as oral snuff, spit or chewing  
tobacco, should not [n]  
[r] be sold in Ontario. [n]

[bold][cyan]  
Do you strongly agree, somewhat agree, somewhat disagree or  
strongly disagree?  
[n][white]

- 1 strongly agree
- 3 somewhat agree
- 5 somewhat disagree
- 7 strongly disagree

d Don't Know    r Refused  
@

[@] <1,3,5,7,d,r>

>tp39a< [#ASK ALL]

[r] The number of retail outlets that sell cigarettes should be  
greatly reduced.

[bold][cyan]  
Do you strongly agree, somewhat agree, somewhat disagree or  
strongly disagree?  
[n][white]

- 1 strongly agree
- 3 somewhat agree
- 5 somewhat disagree
- 7 strongly disagree

d Don't Know    r Refused  
@

[@] <1,3,5,7,d,r>

>tp73< [#ASK ALL,New in 2008]

[r] Menthol cigarettes are less harmful than regular cigarettes.  
[n]

[bold][cyan]  
Do you strongly agree, somewhat agree, somewhat disagree or  
strongly disagree?  
[n][white]

- 1 strongly agree
- 3 somewhat agree
- 5 somewhat disagree
- 7 strongly disagree

d don't know    r refused  
@

[@] <1,3,5,7,d,r>

>tp70< [#New in 2008] [# ASK CURRENT SMOKERS only]  
[if SMOKE\_FLAG ne <1>][goto tp35][endif]

[r] Moving cigarette packs out of sight in stores would make it easier for YOU [n]  
[r] to quit smoking. [n]

[bold][cyan]  
Do you strongly agree, somewhat agree, somewhat disagree or strongly disagree?  
[n][white]

- 1 strongly agree
- 3 somewhat agree
- 5 somewhat disagree
- 7 strongly disagree

d don't know r refused

@

[@] <1,3,5,7,d,r>

>tp35< [#ASK ALL]

[r] Which of the following comes closest to your view of how we should treat [n]

[r] tobacco products in Ontario: [n]

[r] 1) tobacco products should be sold in a number of different places, AS [n]

[r] THEY ARE NOW; [n]

[r] 2) tobacco products should be sold in government-owned stores similar to [n]

[r] the way alcohol is sold in LCBO stores; or [n]

[r] 3) tobacco products should not be sold at all? [n]

1-3 enter choice

d Don't Know r Refused

@

[@] <1,2,3,d,r>

>tp46<

[r] When it comes to health problems smokers have because of their smoking, [n]

[r] Would you say that tobacco companies are totally responsible, mostly [n]

[r] responsible, somewhat responsible, or not at all responsible for smokers' [n]

[r] health problems? [n]

- 1 totally responsible
- 3 mostly responsible
- 5 somewhat responsible
- 7 not at all responsible

d don't know r refused

@

[@] <1,3,5,7,d,r>

[#===== TOBACCO ADVERTISING (new 2008) =====]

>tp74< [#new in 2008] [# ASK ALL]

[r] The next question is about tobacco advertising . [n]

[r] In the PAST 30 DAYS, did you see ANY ADVERTISING OF TOBACCO PRODUCTS such as [n]

[r] anything seen on billboards, on the internet, in a newspaper or magazine, [n]

[r] or posted in bars or stores? [n]

[r] Would you say: never, rarely, sometimes, often, or always? [n]

- 1 never,
- 2 rarely
- 3 sometimes
- 4 often
- 5 always

d don't know r refused

@

[@] <1-5,d,r>

[#===== POINT of PURCHASE =====]

[# used in the ITCPS - International Tobacco Control Policy Survey]

>int\_pp< [#ask all]

[r] The next few questions are about tobacco products in convenience stores, [n]

[r] corner stores and gas stations. [n]

Press "Enter" to continue @

[@][nodata]

>tp57< [#new in 2005, revised skip 2008][define <d><8>][define <r><9>]

[r] In the PAST 30 DAYS, have you been to a convenience store, corner store, or [n]

[r] gas station? [n]

- 1 yes
- 5 no

d Don't Know r Refused

@

[@] <1>  
<5,d,r> [goto end\_tp62]

>tp58< [#new in 2005]

[r] In the PAST 30 DAYS, how often have you noticed cigarette packs or other [n]

[r] tobacco products displayed BEHIND the counter at convenience stores, [n]

[r] corner stores, or gas stations? Would you say: never, rarely, sometimes, [n]  
[r] often, or always? [n]

- 1 never,
- 2 rarely
- 3 sometimes
- 4 often
- 5 always

d don't know r refused  
@

[@] <1-5,d,r>

>tp62< [#new in 2005]

[r] In the PAST 30 DAYS, how often have you noticed special price offers for [n]  
[r] cigarettes INSIDE convenience stores, corner stores, or gas stations? [n]

[bold][cyan]  
Would you say: never, rarely, sometimes, often, or always?  
[n][white]

- 1 never,
- 2 rarely
- 3 sometimes
- 4 often
- 5 always

d don't know r refused  
@

[@] <1-5,d,r>

>end\_tp62< [if SMOKE\_FLAG eq <1>]  
[goto int\_ip][#current smokers go to tp71 impulse purchases]  
[else]  
[goto ck\_tp72]  
[endif]

# ===== IMPULSE PURCHASES (new 2008) =====

>int\_ip<

[r] The next questions are about shopping at grocery stores, supermarkets, [n]  
[r] convenience stores, or gas stations. [n]

Press "Enter" to continue @

[@][nodata]

>tp71< [#new in 2008] [#ASK CURRENT SMOKERS only]

[r] In the PAST 30 DAYS, when shopping for something other than cigarettes, [n]  
[r] how often have you bought cigarettes BECAUSE you saw cigarette packs [n]

[r] displayed in the store? [n]

[r] Would you say: never, sometimes, most of the time, or always? [n]

- 1 never
- 2 sometimes
- 3 most of the time
- 4 always

d don't know r refused  
@

[@] <1-4,d,r>

>ck\_tp72< [if tc8 ge <1> and tc8 le <97>]  
[goto tp72a]  
[endif]

[if tc1 eq <5>]  
[if tc5 ge <0> and tc5 le <3>]  
[goto tp72a][#FORMER SMOKERS who quit in the past 11 months (if tc1 =5 AND tc5 eq 0-3) go to tp72a]  
[endif][endif]  
[goto ck\_tp75]

>tp72a< [#new in 2008] [# ASK CURRENT SMOKERS who had made a quit attempt in the past 12 months AND FORMER SMOKERS who quit in the past 11 months]  
[#if tc8 eq 1-96 OR (if tc1 =5 AND tc5 eq 0-3)]

[r] When you tried to quit smoking in the past 12 months, did seeing cigarette [n]  
[r] pack displays in stores ever make you want to buy cigarettes? [n]

- 1 yes
  - 5 no
- d Don't Know r Refused  
@

[@] <1>  
<5,d,r> [goto ck\_tp75]

>tp72b<

[r] When this happened, did you actually buy cigarettes, even though you were [n]  
[r] trying to quit? [n]

- 1 yes
  - 5 no
- d Don't Know r Refused  
@

[@] <1,5,d,r>

[# ===== PURCHASING PROFILE (new 2008) =====]

>ck\_tp75< [if SMOKE\_FLAG eq <1>]

```

    [goto int_prof][# ASK CURRENT SMOKERS only]
    [else]
    [goto END_TOBACCO]
    [endif]

>int_prof<

[r] Now I would like to ask you some questions about the last
time you bought [n]
[r] cigarettes for your own use. [n]

    Press "Enter" to continue @

[@][n]

>tp75a< [#new in 2008][#CURRENT SMOKERS only][define
<d><98>][define <r><99>][define <s><0>]
[r] The last time you bought cigarettes for your own use, what
BRAND did you buy?[n]

[bold][yellow]
    Interviewer: DO NOT READ, code one brand only.
[n][white]

    1 All Natural Native    12 DisCOUNT    23 Medallion

    2 Avanti du Maurier    13 DK'S    24 Native

    3 Belmont                14 du Maurier    25 No name brand (from
reserves)
    4 Belvedere            15 Export "A"    26 Number 7

    5 Benson & Hedges    16 Gold(en) Leaf    27 Peter Jackson

    6 Camel                17 JPS    28 Player's
    7 Canadian Classics    18 Kool    29 Putter's
    8 Canadian Original    19 Macdonald    30 Rollies (from
reserves)
    9 Canadian Light    20 Mark Ten    31 Rothmans

    10 Chief's            21 Matin,e    32 Sago
    11 Craven "A"        22 Maximum    33 Smoking

                        34 Smugglers
    90 roll-your-own/loose leaf, any brand

    s Other Specify,    d Don't know    r Refused
    @

[@] <1-34,90,d,r>
    <s>[specify]

>tp76a< [define <d><8>][define <r><9>][define <s><0>]

[r] Did you buy these cigarettes in packs, cartons, bags or some
other way? [n]

    1 Packs
    3 Cartons
    5 Bags

    s Other Specify
    d Don't Know    r Refused
    @

```

```

[ @ ] <1,3,5,d,r>
    <s>[specify]

>tp76b< [define <d><98>][define <r><99>]

[r] About how many (packs/ cartons/ bags) did you buy?
[n]

    1-96 enter #

    d Don't Know    r Refused
    @

[ @ ] <1-96,d,r>

>tp77< [define <d><998>][define <r><999>]

[r] And about how many cigarettes were in each (Pack/Carton
/Bag)? [n]

    1-996 enter #

    d Don't Know    r Refused
    @

[ @ ] <1-996,d,r>

>number< [allow 4]
    [if tp76b ge <1> and tp76b le <96>]
    [store tp76b in number]
    [endif]

>pack< [allow 10]
    [if tp76a eq <1>]
    [store <packs> in pack]
    [endif]
    [if tp76a eq <3>]
    [store <cartons> in pack]
    [endif]
    [if tp76a eq <5>]
    [store <bags> in pack]
    [endif]

>text< [allow 40]
    [store <these cigarettes> in text]
    [if tp76b ge <1> and tp76b le <96>]
    [if tp76a eq <1> or tp76a eq <3> or tp76a eq <5>]
    [make text from number <> pack]
    [endif]
    [endif]

>tp78<

[r] When you bought the [fill text], [n]
[r] about how much in Canadian dollars, did you pay in total?
[n]

    1-996 enter $

    d Don't Know    r Refused
    @

```

[@] <1-996.00,d,r>

>tp79< [define <d><8>][define <r><9>][define <s><0>]

[r] And did you buy them: [n]

[bold][yellow]  
INTERVIEWER: PLEASE READ the list, CODE ONE  
OPTION ONLY.  
[n][white]

- 1 at a convenience store or small grocery store
- 2 at a supermarket
- 3 at a gas station
- 4 at a discount store, such as Costco
- 5 on a First Nations reserve
- 6 out of a person's home or vehicle, or from someone on the street

s Other Specify  
d Don't Know    r Refused  
@

[@] <1-6,d,r>  
<s>[specify]

>END\_TOBACCO<

[# ===== ALCOHOL CONSUMPTION =====]

>int1<

[r] Now I would like to ask you some questions about drinking alcohol. [n]

[r] In these questions, when we use the word "drink" it means one 341 ml (12 ounce)[n]  
[r] bottle of beer or glass of draft, one 142 ml (5 ounce) glass of wine, or one [n]  
[r] straight or mixed drink with one ounce and a half (43 ml) of hard liquor. [n]

Press Enter to continue @

[@] [nodata]

>ac1<

[r] During the past 12 months have you had a drink of any alcoholic beverage? [n]

[bold][yellow]  
INTERVIEWER: Include light beer, but do NOT include fully dealcoholized beer.  
[n][white]

- 1 Yes
  - 5 No
- d Don't Know    r Refused  
@

[@] <1> [goto ac5]  
<5,d,r>

>ac2< [#asking non-current drinkers]

[r] Did you EVER have a drink of any alcoholic beverage? [n]

- 1 Yes
- 5 No

@

[@] <1> [goto ac3]  
<5> [goto chek][#never drinkers skip out here]

>ac5< [#asking current drinkers] [define <d><98>][define <r><99>]

[r] How often, if ever, did you drink alcoholic beverages during the PAST TWELVE[n]

[r] MONTHS: would you say MORE than once a day, about every day, four to five [n]

[r] times a week, two to three times a week, once a week, two to three times a [n]

[r] month, once a month, or less than once a month? [n]

[bold][yellow] INTERVIEWER: This means any type of alcohol.  
[n][white]

- 1 More than once a day
- 2 About every day (includes SIX times a week)

- 3 4 to 5 times a week
- 4 2 to 3 times a week
- 5 Once a week
- 6 2 to 3 times a month
- 7 Once a month
- 8 Less than once a month

d Don't Know    r Refused  
@

[@] <1-8,d,r>

>ac5a< [#all current drinkers]

[r] How often, if at all, did you drink alcoholic beverages during the PAST 30 [n]

[r] DAYS: would you say MORE than once a day, about every day, four to five [n]

[r] times a week, two to three times a week, once a week, two to three times [n]

[r] in the past month, once in the past month, or never in the past month? [n]

[bold][yellow]  
INTERVIEWER: This means any type of alcohol.  
[n][white]

- 1 More than once a day
- 2 About every day (includes SIX times a week)
- 3 4 to 5 times a week

4 2 to 3 times a week  
5 Once a week  
6 2 to 3 times in the past month  
7 Once in the past month  
8 Never in the past month

d Don't Know    r Refused  
@

[@] <1-8,d,r>

>ac6a<

[r] During the past 12 months, on those days when you drank,  
how many drinks did[n]  
[r] you usually have? [n]

[bold][yellow]  
INTERVIEWER: "drink" means one 341 ml (12 ounce) bottle  
of beer or glass of  
draft, one 142 ml (5 ounce) glass of wine, or one straight or  
mixed drink  
with one ounce and a half (43 ml) of hard liquor.  
Include light beer, but do NOT include fully dealcoholized beer.  
[n][white]

1-96 Enter number of drinks

97 97 or more

d Don't Know    r Refused  
@

[@] <1-97,d,r>

>five< [#asking current drinkers] [define <d><98>][define  
<r><99>]

[r] About how often DURING THE PAST TWELVE MONTHS  
would you say you had five or [n]  
[r] more drinks at the same sitting or occasion: would you say  
every day, about[n]  
[r] every day, 3 or 4 times a week, once or twice a week, 2 or 3  
times a month, [n]  
[r] about once a month, 6 to 11 times a year, 1 to 5 times a year, or  
never in [n]  
[r] the past year? [n]

1 Every day  
2 About every day  
3 3 or 4 times a week  
4 Once or twice a week  
5 2 or 3 times a month  
6 About once a month  
7 6 to 11 times a year  
8 1 to 5 times a year  
9 Never in the past year

d Don't Know    r Refused  
@

[@] <1-8>  
<9,d,r> [goto four][#changed Jan 08]

>five30< [# ask if five eq 1 - 8]

[r] Now what about the PAST 30 DAYS, on about how many of  
these days did you [n]  
[r] have five or more drinks on the same occasion?  
[n]

0-30 Enter number of days

d Don't Know    r Refused  
@

[@] <1-30,0,d,r>

>four< [#NEW in 2005][#asking ONLY WOMEN current  
drinkers]  
[if gend eq <1> goto ac3]  
[define <d><98>][define <r><99>]

[r] About how often DURING THE PAST TWELVE MONTHS  
would you say you had FOUR or [n]  
[r] more drinks at the same sitting or occasion: would you say  
every day, about[n]  
[r] every day, 3 or 4 times a week, once or twice a week, 2 or 3  
times a month, [n]  
[r] about once a month, 6 to 11 times a year, 1 to 5 times a year, or  
never in [n]  
[r] the past year? [n]

1 Every day  
2 About every day  
3 3 or 4 times a week  
4 Once or twice a week  
5 2 or 3 times a month  
6 About once a month  
7 6 to 11 times a year  
8 1 to 5 times a year  
9 Never in the past year

d Don't Know    r Refused  
@

[@] <1-8>  
<9,d,r>

>ac3< [if five ge <1> and five le <4>][goto ac6b][endif]  
[#asking former drinkers AND (current drinkers who do not drink  
five once a week)]  
[define <d><8>] [define <r><9>]

[r] Was there ever a time in your life when you drank five or more  
drinks [n]  
[r] on one occasion at LEAST ONCE A WEEK?  
[n]

1 yes  
5 no

d don't know    r refused  
@

[@] <1,5,d,r>

>ac6b< [if ac2 eq <1> goto chek][#former drinkers skip out]  
[#asking current drinkers][define <d><98>][define <r><99>]

```
[r] What is the largest number of drinks you can recall having on
one occasion [n]
[r] during the PAST TWELVE MONTHS?
[n]
[bold][yellow]
INTERVIEWER: "drink" means one twelve ounce bottle of
beer or glass of draft,
one five ounce glass of wine, or one straight or mixed drink
with one ounce
and a half of hard liquor.
```

```
Include light beer, but do NOT include fully dealcoholized beer.
[n][white]
```

```
1-97 Enter number of drinks
d Don't Know r Refused
@
```

```
[@] <1-97,d,r>
```

```
[# ===== PAST 7 DAYS DRINKING =====]
```

```
>ac10< [#ASKING CURRENT DRINKERS][define
<d><8>][define <r><9>]
```

```
[r] Thinking back over the past 7 days, we would like to ask you
how many drinks[n]
[r] you had each day. [n]
```

```
0 Did not have any drinks in the past 7 days
1 Continue
d don't know r refuse
@
```

```
[@] <1>
<0,d,r> [goto exit_week]
```

```
>WHEEL_DATE< [allow 8][setdate WHEEL_DATE] [#
initialize]
```

```
>WHEEL_DAY< [allow 10][store <> in WHEEL_DAY]
[datestring dayname from WHEEL_DATE into
WHEEL_DAY]
```

```
>LAST_DAY< [allow 10][store <> in LAST_DAY]
```

```
>YESTERDAY< [allow 10][store <> in YESTERDAY]
[if WHEEL_DAY is <Monday>][store <Sunday> in
YESTERDAY][endif]
[if WHEEL_DAY is <Tuesday>][store <Monday> in
YESTERDAY][endif]
[if WHEEL_DAY is <Wednesday>][store <Tuesday> in
YESTERDAY][endif]
[if WHEEL_DAY is <Thursday>][store <Wednesday> in
YESTERDAY][endif]
[if WHEEL_DAY is <Friday>][store <Thursday> in
YESTERDAY][endif]
[if WHEEL_DAY is <Saturday>][store <Friday> in
YESTERDAY][endif]
[if WHEEL_DAY is <Sunday>][store <Saturday> in
YESTERDAY][endif]
```

```
>start_wheel<
```

```
[r] Let's start with yesterday and work our way back through the
week. So [n]
[r] yesterday was [fill YESTERDAY]...
[n]
```

```
press enter to continue @
```

```
[@][nodata]
```

```
>D001< [if WHEEL_DAY is <Monday>][goto Sunday][endif]
[#intday Mon]
[if WHEEL_DAY is <Tuesday>][goto Monday][endif]
[#intday Tues]
[if WHEEL_DAY is <Wednesday>][goto Tuesday][endif]
[#intday Wed]
[if WHEEL_DAY is <Thursday>][goto Wednesday][endif]
[#intday Thur]
[if WHEEL_DAY is <Friday>][goto Thursday][endif]
[#intday Fri]
[if WHEEL_DAY is <Saturday>][goto Friday][endif]
[#intday Sat]
[if WHEEL_DAY is <Sunday>][goto Saturday][endif]
[#intday Sund]
```

```
>Sunday< [define <d><98>][define <r><99>]
```

```
[r] How many drinks did you have on Sunday?
[n]
```

```
0 none
1-29 enter number of drinks
30 thirty or more drinks
d don't know r refused
@
```

```
[@] <0,1-30,d>
<r> [goto exit_week]
```

```
>D002< [if Sunday ge <1> and Sunday le <30> and LAST_DAY
is <>]
[store <Sunday> in LAST_DAY]
[endif]
[if WHEEL_DAY eq <Sunday>][goto exit_week][endif]
[goto Saturday]
```

```
>Saturday< [define <d><98>][define <r><99>]
```

```
[r] Saturday? [n]
```

```
[bold][cyan]
How many drinks did you have on Saturday?
[n][white]
```

```
0 none
1-29 enter number of drinks
30 thirty or more drinks
d don't know r refused
@
```

```

[ @ ] <0,1-30,d>
  <r> [goto exit_week]

>D003< [if Saturday ge <1> and Saturday le <30> and
LAST_DAY is <>]
  [store <Saturday> in LAST_DAY]
  [endif]
  [if WHEEL_DAY eq <Saturday>][goto exit_week][endif]
  [goto Friday]

>Friday< [define <d><98>][define <r><99>]

[r] Friday? [n]

[bold][cyan]
  How many drinks did you have on Friday?
[n][white]

  0 none
  1-29 enter number of drinks
  30 thirty or more drinks

  d don't know r refused

  @

[ @ ] <0,1-30,d>
  <r> [goto exit_week]

>D004< [if Friday ge <1> and Friday le <30> and LAST_DAY is
<>]
  [store <Friday> in LAST_DAY]
  [endif]
  [if WHEEL_DAY eq <Friday>][goto exit_week][endif]
  [goto Thursday]

>Thursday< [define <d><98>][define <r><99>]

[r] Thursday? [n]

[bold][cyan]
  How many drinks did you have on Thursday?
[n][white]

  0 none
  1-29 enter number of drinks
  30 thirty or more drinks

  d don't know r refused

  @

[ @ ] <0,1-30,d>
  <r> [goto exit_week]

>D005< [if Thursday ge <1> and Thursday le <30> and
LAST_DAY is <>]
  [store <Thursday> in LAST_DAY]
  [endif]
  [if WHEEL_DAY eq <Thursday>][goto exit_week][endif]
  [goto Wednesday]

>Wednesday< [define <d><98>][define <r><99>]

[r] Wednesday? [n]

```

```

[bold][cyan]
  How many drinks did you have on Wednesday?
[n][white]

  0 none
  1-29 enter number of drinks
  30 thirty or more drinks

  d don't know r refused

  @

[ @ ] <0,1-30,d>
  <r> [goto exit_week]

>D006< [if Wednesday ge <1> and Wednesday le <30> and
LAST_DAY is <>]
  [store <Wednesday> in LAST_DAY]
  [endif]
  [if WHEEL_DAY eq <Wednesday>][goto exit_week][endif]
  [goto Tuesday]

>Tuesday< [define <d><98>][define <r><99>]

[r] Tuesday? [n]

[bold][cyan]
  How many drinks did you have on Tuesday?
[n][white]

  0 none
  1-29 enter number of drinks
  30 thirty or more drinks

  d don't know r refused

  @

[ @ ] <0,1-30,d>
  <r> [goto exit_week]

>D007< [if Tuesday ge <1> and Tuesday le <30> and
LAST_DAY is <>]
  [store <Tuesday> in LAST_DAY]
  [endif]
  [if WHEEL_DAY eq <Tuesday>][goto exit_week][endif]
  [goto Monday]

>Monday< [define <d><98>][define <r><99>]

[r] Monday? [n]

[bold][cyan]
  How many drinks did you have on Monday?
[n][white]

  0 none
  1-29 enter number of drinks
  30 thirty or more drinks

  d don't know r refused

  @

[ @ ] <0,1-30,d>

```

```

<r> [goto exit_week]

>D008< [if Monday ge <1> and Monday le <30> and
LAST_DAY is <>]
    [store <Monday> in LAST_DAY]
    [endif]
[if WHEEL_DAY eq <Monday>][goto exit_week][endif]
    [goto Sunday]

>exit_week<

[#-----end of drinking wheel-----]

[#===== AUDIT =====]

>int_audit<

[r] The next few questions are about possible problems you might
have had [n]
[r] in the PAST 12 MONTHS regarding the use of alcohol.
    [n]

    Press "Enter" to continue @

[ @][nodata]

>aud4< [define <d><8>] [define <r><9>][# current drinkers
only]

[r] How often during the past 12 months have you found that you
were not able [n]
[r] to stop drinking once you had started?
[n]

[r] Never, Less than monthly, Monthly, Weekly, or Daily or
almost daily? [n]

    0 Never

    1 Less than monthly
    2 Monthly
    3 Weekly
    4 Daily or almost daily

    d Don't Know    r Refused
    @

[ @] <0,1-4,d,r>

>aud5<

[r] How often during the past 12 months have you failed to do
what was normally [n]
[r] expected from you because of drinking?
[n]

[bold][cyan]

```

```

Never, Less than monthly, Monthly, Weekly, or Daily or
almost daily?
[n][white]

    0 never

    1 less than monthly
    2 monthly
    3 weekly
    4 daily or almost daily

    d Don't Know    r Refused
    @

[ @] <0,1-4,d,r>

>aud6<

[r] How often during the past 12 months have you needed a first
ALCOHOLIC drink [n]
[r] in the morning to get yourself going after a heavy drinking
session? [n]

[bold][cyan]
    Never, Less than monthly, Monthly, Weekly, or Daily or
almost daily?
[n][white]

    0 never

    1 less than monthly
    2 monthly
    3 weekly
    4 daily or almost daily

    d Don't Know    r Refused
    @

[ @] <0,1-4,d,r>

>aud7<

[r] How often during the past 12 months have you had a feeling of
guilt or [n]
[r] remorse after drinking? [n]

[bold][cyan]
    Never, Less than monthly, Monthly, Weekly, or Daily or
almost daily?
[n][white]

    0 never

    1 less than monthly
    2 monthly
    3 weekly
    4 daily or almost daily

    d Don't Know    r Refused
    @

[ @] <0,1-4,d,r>

>aud8<

```

[r] How often during the past 12 months have you been unable to remember what [n]  
[r] happened the night before because you had been drinking?  
[n]

[bold][cyan]  
Never, Less than monthly, Monthly, Weekly, or Daily or almost daily?  
[n][white]

- 0 never
- 1 less than monthly
- 2 monthly
- 3 weekly
- 4 daily or almost daily

d Don't Know    r Refused  
@

[@] <0,1-4,d,r>

>aud9< [#asking current drinkers only]  
[define <d><8>] [define <r><9>]

[r] Have you or someone else EVER been injured as a result of your drinking? [n]

[bold][yellow]  
INTERVIEWER: if r says "yes", ask "was this in the past 12 months?"  
[n][white]

- 1 Yes, but not in the past 12 months
- 2 Yes, during the past 12 months

5 no

d Don't Know    r Refused

@

[@] <1,2,5,d,r>

>aud0< [#asking current drinkers only]  
[define <d><8>] [define <r><9>]

[r] Has a relative or friend or a doctor or other health worker EVER been [n]  
[r] concerned about your drinking or suggested you cut down?  
[n]

[bold][yellow]  
INTERVIEWER: if r says "yes", ask "was this in the past 12 months?"  
[n][white]

- 1 Yes, but not in the past 12 months
- 2 Yes, during the past 12 months

5 no

d Don't Know    r Refused

@

[@] <1,2,5,d,r>

>chek< [allow 1][store <> in chek]  
[if ac1 eq <5>][store <1> in chek][endif]

[#===== ALCOHOL POLICY - Panel B only =====]

[#=== VIOLENCE / AGRESSION (asked in 1997) =====]

>ve1< [define <d><8>][define <r><9>]

[r] The following questions are about aggressive behaviour involving [n]  
[r] adults, that is people 18 years of age or older.  
[n]

[r] Thinking back over the last 12 months, have you been personally [n]  
[r] involved in a serious argument or quarrel with another adult?  
[n]

- 1 yes
- 5 no

d don't know    r refused  
@

[@] <1>  
<5,d,r> [goto ve5]

>ve2r<

[r] In the most recent incident that you can remember, had anyone been [n]  
[r] drinking alcohol? [n]

- 1 Yes
- 5 No

7 Can't remember a specific incident(don't read)

d don't know (includes unsure whether anyone was drinking)  
r refused  
@

[@] <1>  
<5,7,d,r> [goto ve5]

>ve3r<

[r] Had you, the other person, or both of you been drinking when the incident [n]  
[r] happened? [n]

- 1 Respondent only
- 2 Other person only
- 3 Both

7 Someone else was drinking(don't read)

d don't know (includes unsure whether anyone was drinking)  
r refused  
@

[@] <1-3,7,d,r>

>ve5<

[r] Thinking back over the last 12 months, have you been personally [n]  
[r] involved in an incident where someone grabbed, pushed, shoved, hit [n]  
[r] or kicked another person in an aggressive way?  
[n]

[r] Remember, we're referring to adults, and you can include any incidents [n]  
[r] you may have already thought of.  
[n]

1 yes  
5 no

d don't know r refused  
@

[@] <1>  
<5,d,r> [goto end\_ve]

>ve5b< [#new in 2008 Panel B]

[r] In the most recent incident that you can remember, were you, the other person, [n]  
[r] or both of you physically aggressive?  
[n]

[bold][yellow]  
Interviewer: if required, by physically aggressive, we mean grabbing, pushing, shoving, hitting or kicking.  
[n][white]

1 respondent only  
2 other person only  
3 both

7 someone else was aggressive, no one was aggressive (do not read)

d don't know r refused  
@

[@] <1-3,7,d,r>

>ve6<

[r] In the most recent incident that you can remember, had anyone been [n]  
[r] drinking alcohol? [n]

[bold][yellow]

Interviewer: if required, where you have been personally involved in an incident where someone grabbed, pushed, shored, hit or kicked another person in an aggressive way.  
[n][white]

1 Yes  
5 No

7 Can't remember a specific incident (do not read)

d don't know (includes unsure whether anyone was drinking)  
r refused  
@

[@] <1>  
<5,7,d,r> [goto end\_ve]

>ve7r<

[r] Had you, the other person, or both of you been drinking when the incident [n]  
[r] happened? [n]

1 Respondent only  
2 Other person only  
3 Both

7 Someone else was drinking (do not read)

d don't know (includes unsure whether anyone was drinking)  
r refused  
@

[@] <1-3,7,d,r>

>end\_ve<

[#===== REDUCING SPECIFIC ALCOHOL-RELATED PROBLEMS (asked in 1997) =====]

>pa21< [define <d><8>] [define <r><9>]

[r] Now, the next few questions are about reducing specific alcohol-related [n]  
[r] problems in Ontario. Please tell me how effective you think the following [n]  
[r] have been in reducing specific alcohol-related problems.  
[n] [n]

[r] First, how effective is enforcement of existing laws in reducing drinking [n]  
[r] and driving accidents in Ontario? Would you say very effective, somewhat [n]  
[r] effective, not very effective, or not at all effective?  
[n]

1 very effective  
3 somewhat effective  
5 not very effective  
7 not at all effective

d don't know    r refused  
@

[@] <1,3,5,7,d,r>

>pa22<

[r] How effective is enforcement of existing laws in reducing violence [n]  
[r] associated with drinking... [n]

[bold][cyan]  
in Ontario? Would you say very effective, somewhat effective not very effective, or not at all effective?  
[n][white]

1 very effective  
3 somewhat effective  
5 not very effective  
7 not at all effective

d don't know    r refused  
@

[@] <1,3,5,7,d,r>

>pa23<

[r] What about public education in reducing drinking and driving accidents... [n]

[bold][cyan]  
in Ontario? Would you say very effective, somewhat effective not very effective, or not at all effective?  
[n][white]

1 very effective  
3 somewhat effective  
5 not very effective  
7 not at all effective

d don't know    r refused  
@

[@] <1,3,5,7,d,r>

>pa24<

[r] What about public education in reducing violence associated with drinking? [n]

[bold][cyan]  
in Ontario? Would you say very effective, somewhat effective not very

effective, or not at all effective?  
[n][white]

1 very effective  
3 somewhat effective  
5 not very effective  
7 not at all effective

d don't know    r refused  
@

[@] <1,3,5,7,d,r>

>pa25<

[bold][cyan] How effective [n][white]  
[r] Controlling access to alcohol in reducing drinking and driving accidents? [n]

[bold][cyan]  
Would you say very effective, somewhat effective not very effective, or not at all effective?

[n][white]  
[bold][yellow]

Interviewer: if asked, this means controlling who has access to alcohol and where, when and how it can be sold.

[n][white]

1 very effective  
3 somewhat effective  
5 not very effective  
7 not at all effective

d don't know    r refused  
@

[@] <1,3,5,7,d,r>

>pa26<

[bold][cyan] How effective [n][white]  
[r] Controlling access to alcohol in reducing violence associated with drinking?[n]

[bold][cyan]  
Would you say very effective, somewhat effective not very effective, or not at all effective?

[n][white]  
[bold][yellow]

Interviewer: if asked, this means controlling who has access to alcohol and where, when and how it can be sold.

[n][white]

1 very effective  
3 somewhat effective  
5 not very effective  
7 not at all effective

d don't know    r refused  
@

[@] <1,3,5,7,d,r>

[# ===== DRIVING =====]

>drive<

[r] The next questions are related to driving.

[n]

[r] During the past 12 months, have you driven a car, van, truck, motorcycle, [n]

[r] tractor, or any other type of motor vehicle?

[n]

[bold][yellow]

INTERVIEWER: please include also motor vehicles such as Seadoo, Skidoo, ATVs, etc.

[n][white]

1 yes

5 no

d don't know r refused

@

[@] <1>

<5,d,r> [goto adr]

>dr1< [define <d><9998>][define <r><9999>]

[open dr1]

[r] Now I would like to ask you how much you drive in a typical WEEK. Please [n]

[r] think of all the driving you do. Remember to count any driving you have [n]

[r] done in a car, motorcycle, truck or van. Count driving you did in vehicles [n]

[r] you own, borrowed, rented or use for work.

[n]

[r] On average, about how many kilometres or miles do you drive in a typical week?[n]

[bold][yellow]

Interviewer: Use 0 for none, and r for refused. If R is having trouble, can't

answer, says that it is too difficult a question etc. use "d" for don't know.

[n][white]

Enter number of miles here @miles

Enter number of kilometres here @kilo

[@miles][optional] <r> [goto dr5]

<0>

<d> [goto dr1b]

<1-9996> [goto dr5]

[@kilo] [optional] <0>

<1-9996> [goto dr5]

>check\_err< [define <d><8>][define <r><9>]

[bold][yellow]

INTERVIEWER: You have indicated that the respondent drives ZERO miles or

kilometres a week. Is this correct?

[n][white]

1 yes, correct

5 no, mistake

@

[@] <5> [goto dr1]

<1>

[store <0> in dr1@miles]

[store <0> in dr1@kilo]

[goto dr5]

>dr1b< [define <d><8>][define <r><9>]

[r] Well, to start would it be easier for you to think about how much you drive [n]

[r] in kilometers or miles? [n]

1 Kilometres

5 Miles

d don't know/can't answer/too difficult etc.

r refused

@

[@] <1>

<5> [goto dr1d]

<d,r> [goto dr5]

>dr1c<

[r] We don't need the exact amounts, but can you give your best guess at how many[n]

[r] kilometres you drive in a typical week: would it be less than 10 km, 11 to [n]

[r] 100 km, 101 to 500 km, 501 to 1000 km , or more than 1000 km? [n]

1 10 or less

2 11 to 100

3 101 to 500

4 501 to 1000

5 more than 1000

d don't know r refused

@

[@] <1-5,d,r> [goto dr5]

>dr1d<

[r] We don't need the exact amounts, but can you give your best guess at how many[n]

[r] miles you drive in a typical week: would it be less than 10 miles, 11 to [n]

[r] 50 miles, 51 to 100 miles, 101 to 200 miles, or more than 200 miles? [n]

1 10 or less

2 11 to 50

3 51 to 100

4 101 to 200

5 more than 200

d don't know r refused

@

[@] <1-5,d,r>

>dr5< [define <d><98>][define <r><99>]

[r] DURING THE PAST 12 MONTHS, how often, if at all, were you involved in an [n] accident or collision involving any kind of damage or injury to you or [n] another person or vehicle while you were driving? [n]

0 never

1-9 Enter number of times

10 ten times or more

d Don't Know r Refused

@

[@]<0,1-10,d,r>

[# ===== DRINKING & DRIVING =====]

>dd1< [define <d><8>][define <r><9>]

[if chek eq <1> goto adr] [#not a current drinker]

[r] During the past 12 months, have you driven a motor vehicle after having two [n] or more drinks in the previous hour? [n]

1 yes

5 no

7 don't drive

d don't know r refused

@

[@] <1>

<5,7,d,r> [goto adr]

>dd2< [define <d><98>][define <r><99>]

[r] How many times in THE PAST 30 DAYS? [n]

0 never

1-96 Enter number of times

97 97 or more times

d Don't Know r Refused

@

[@] <0,1-97,d,r>

[# ===== PASSENGER with DRINKING DRIVER =====]

>adr< [# ASK all][define <d><8>][define <r><9>]

[r] The next questions are related to being a passenger in a car or other vehicle. [n]

[r] In the past 12 months, have you been a passenger in a car or other vehicle [n] driven by someone who had two or more drinks of alcohol in the previous hour?[n]

1 yes

5 no

d don't know r refused

@

[@] <1,5,d,r>

>cdr< [# ASK all]

[r] In the past 12 months, have you been a passenger in a car or other vehicle [n] driven by someone who had been using cannabis/marijuana in the previous TWO [n] hours? [n]

1 yes

5 no

d don't know r refused

@

[@] <1,5,d,r>

>ck\_no< [if adr ge <5> OR cdr ge <5>]

[goto INT\_RR]

[endif][# changed to skip if no to either previous questions]

>acdr<

[r] In the past 12 months, have you been a passenger in a car or other vehicle [n] driven by someone who had been using BOTH alcohol and cannabis/marijuana in [n] the previous TWO hours? [n]

1 yes

5 no

d don't know r refused

@

[@] <1,5,d,r>

[# ===== ROAD RAGE =====]

>INT\_RR< [# ASK ALL]

[r] Now some questions about things that might happen when you are driving [n] or are a passenger in a car, van, truck or motorcycle. [n]

Press "Enter" to continue @

[@][nodata]

>rr1< [define <d><98>][define <r><99>][define <n><97>]

[r] During the past 12 months, how many times has someone in another vehicle [n]

[r] shouted, cursed, or made rude gestures at you or others with you? [n]

0 never

1-95 enter number of times

96 96 or more times

n I have not driven/I have not been a passenger in the last 12 months

d Don't Know r Refused

@

[@] <0,1-96,d,r>  
<n> [goto END\_RR]

>rr2<

[r] During the past 12 months, how many times has someone in another vehicle [n]

[r] THREATENED to hurt you or others with you, or THREATENED to damage the [n]

[r] vehicle you were in? [n]

0 never

1-95 enter number of times

96 96 or more times

n I have not driven/I have not been a passenger in the last 12 months

d Don't Know r Refused

@

[@] <0,1-96,d,r>  
<n>[goto END\_RR]

>rr3<

[r] (During the past 12 months,) how many times has someone in another vehicle [n]

[r] INTENTIONALLY DAMAGED or ATTEMPTED to damage the vehicle you were in? [n]

0 never

1-95 enter number of times

96 96 or more times

n I have not driven/I have not been a passenger in the last 12 months

d don't know r refused

@

[@] <0,1-96,d,r>  
<n>[goto END\_RR]

>rr4<

[bold][cyan]

During the past 12 months,

[white]

[r] how many times has someone in another vehicle [n]

[r] INTENTIONALLY HURT or THREATENED to hurt you or others with you? [n]

0 never

1-95 enter number of times

96 96 or more times

n I have not driven/I have not been a passenger in the last 12 months

d don't know r refused

@

[@] <0,1-96,d,r>  
<n> [goto END\_RR]

>rr5<

[bold][cyan]

During the past 12 months,

[white]

[r] how many times have YOU shouted, cursed, or [n]

[r] made rude gestures at a driver or passenger in another vehicle? [n]

0 never

1-95 enter number of times

96 96 or more times

n I have not driven/I have not been a passenger in the last 12 months

d don't know r refused

@

[@] <0,1-96,d,r>  
<n>[goto END\_RR]

>rr6<

[r] Still thinking about the past 12 months, how many times have you threatened [n]

[r] to hurt a driver or passenger in another vehicle, or threatened to damage [n]

[r] their vehicle? [n]

0 never

1-95 enter number of times

96 96 or more times

d Don't Know    r Refused  
 @

[@] <0,1-96,d,r>

>rr7<

[bold][cyan]  
 During the past 12 months,  
 [white]

[r] how many times have you intentionally damaged  
 [n]  
 [r] or attempted to damage another driver's vehicle?  
 [n]

0 never

1-95 enter number of times  
 96 96 or more times

d don't know    r refused  
 @

[@] <0,1-96,d,r>

>rr8<

[bold][cyan]  
 During the past 12 months,  
 [white]

[r] how many times have you intentionally hurt or  
 [n]  
 [r] attempted to hurt a driver or passenger in another vehicle?  
 [n]

0 never

1-95 enter number of times  
 96 96 or more times

d don't know    r refused  
 @

[@] <0,1-96,d,r>

>END\_RR<

>END\_ALCOHOL<

[#=====CANNABIS=====]

[#==== PERCEIVED RISK of using cannabis =====]  
 [#===== NEW 2008 Panel B =====]

>int\_crisk< [# ask ALL]

[r] In the next questions we are interested in your opinion about  
 the effects of[n]

[r] using cannabis. Please tell me how much you think people  
 risk harming [n]  
 [r] themselves when they do each of the following:  
 [n]

Press "Enter" to continue @

[@][nodata]

>crisk1<

[r] How much do people risk harming themselves physically and  
 in other ways when[n]  
 [r] they smoke marijuana once a month?  
 [n]

[r] Would you say no risk, slight risk, moderate risk, or great risk?  
 [n]

1 no risk  
 2 slight risk  
 3 moderate risk  
 4 great risk

d don't know    r refused  
 @

[@] <1-4,d,r>

>crisk2<

[r] How much do people risk harming themselves physically and  
 in other ways when[n]  
 [r] they smoke marijuana once or twice a week?  
 [n]

[bold][cyan]  
 Would you say no risk, slight risk, moderate risk, or great risk?  
 [n][white]

1 no risk  
 2 slight risk  
 3 moderate risk  
 4 great risk

d don't know    r refused  
 @

[@] <1-4,d,r>

>crisk3<

[r] Do you strongly agree, somewhat agree, somewhat disagree or  
 strongly disagree[n]  
 [r] with the following statement: [n]  
 [r] Someone who has smoked marijuana in the previous hour  
 before driving poses [n]  
 [r] a safety hazard on roads. [n]

1 strongly agree  
 3 somewhat agree  
 5 somewhat disagree

7 strongly disagree

d Don't Know    r Refused  
@

[@] <1,3,5,7,d,r>

[#=====CANNABIS CONSUMPTION =====]

>cn1< [define <d><8>] [define <r><9>][#ask all]

[r] Some people use cannabis, marijuana or hash in private, with friends, or [n]  
[r] in other situations. Have you EVER IN YOUR LIFETIME used CANNABIS, MARIJUANA[n]  
[r] or HASH? [n]

1 Yes  
5 No

d don't know    r refused  
@

[@] <1>  
<5,d,r>[goto candep]

>cn2< [define <d><98>] [define <r><99>][#FOR CANNABIS USERS]

[r] How many times, if any, have you used cannabis, marijuana or hash during the[n]  
[r] PAST TWELVE months: would you say more than once a day, about every day, [n]  
[r] four to five times a week, two to three times a week, once a week, two to [n]  
[r] three times a month, once a month, less than once a month or never? [n]

1 more than once a day  
2 about every day (includes six times a week)  
3 4 to 5 times a week  
4 2 to 3 times a week  
5 once a week  
6 2 to 3 times a month  
7 once a month  
8 less than once a month

9 never  
d don't know    r refused  
@

[@] <1-8>  
<9,d,r> [goto candep]

>cdr1< [#ask only drivers] [if drive gt <1> goto candep]  
[define <d><8>][define <r><9>]

[r] During the PAST 12 MONTHS, have you driven a motor vehicle within an hour [n]  
[r] of using cannabis, marijuana or hash?  
[n]

1 yes

5 no

7 I do not drive

d don't know    r refused  
@

[@] <1>  
<5,7,d,r> [goto candep]

>cdr2< [define <d><98>] [define <r><99>]

[r] How many times in THE PAST 30 DAYS?  
[n]

0 never

1-96 Enter number of times  
97 97 or more times

d don't know    r refused  
@

[@] <0,1-97,d,r>

[# === CANNABIS DEPENDENCE =====]

>candep< [#FOR past 12 months cannabis users]  
[if cn1 gt <1> goto end\_can][#never used]  
[if cn2 ge <9>][goto end\_can][endif][# not used in last 12 months]

[#=====WHO-ASIST OR CUDIT, NEW IN 2004/2005) =====]

>can3m< [define <d><8>] [define <r><9>]  
[#cud1,NEW in 2004] [#ask past 12m cannabis users]

[r] How often have you used cannabis, marijuana or hash during the PAST [n]  
[r] THREE months: would you say never, once or twice, once a month, 2-3 times [n]  
[r] a month, once a week, 2-3 times a week, daily or almost daily? [n] [n]

0 never  
1 once or twice  
2 once a month  
3 2-3 times a month  
4 once a week  
5 2-3 times a week  
6 daily or almost daily

d don't know    r refused  
@

[@] <1-6>  
<0,d,r> [goto end\_can]

>cn30< [#NEW in 2005][#ask if can3m=1-6]

[r] And what about the PAST 30 DAYS? How often have you used cannabis, [n]  
[r] marijuana or hash during the PAST 30 DAYS: would you say never, [n]  
[r] once or twice, monthly, weekly, daily or almost daily? [n]

- 0 never
- 1 once or twice
- 2 monthly
- 3 weekly
- 4 daily or almost daily

d don't know r refused  
@

[@] <0,1-4,d,r>

>ck\_cnas< [if can3m ge <1> and can3m le <6>]  
[goto int\_cnas]  
[else]  
[goto end\_can]  
[endif]

[#ASK ONLY PAST 3 MONTHS CANNABIS USERS ]

>int\_cnas<

[r] The next few questions are about possible problems you might have had [n]  
[r] in the PAST 3 MONTHS regarding the use of cannabis, marijuana or hash. [n]

Press "Enter" to continue @

[@][nodata]

> cud2< [define <d><8>] [define <r><9>]

[r] How many hours were you intoxicated on a typical day when you had been using [n]  
[r] cannabis? [n]

[bold][yellow]  
Interviewer: if required, cannabis includes marijuana and hash.  
[n][white]

- 0 0 hour/ never intoxicated
- 1 1 or 2
- 2 3 or 4
- 3 5 or 6
- 4 7 to 9
- 5 10 or more

d Don't Know r Refused  
@

[@] <0,1-5,d,r>

> cud3< [define <d><8>] [define <r><9>]

[r] How often during the PAST 3 MONTHS were you intoxicated for 6 or more hours?[n]  
[r] Would you say never, once or twice, monthly, weekly, or daily or almost [n]  
[r] daily? [n]

- 0 Never
- 1 Once or twice
- 2 Monthly
- 3 Weekly
- 4 Daily or almost daily

d Don't Know r Refused  
@

[@] <0,1-4,d,r>

> cud4<

[r] How often during the PAST 3 MONTHS have you found that you were not able [n]  
[r] to stop using cannabis once you had started? [n]

[r] Would you say never, once or twice, monthly, weekly, or daily or almost [n]  
[r] daily? [n]

[bold][yellow]

Interviewer: if required, cannabis includes marijuana and hash.  
[n][white]

- 0 Never
- 1 Once or twice
- 2 Monthly
- 3 Weekly
- 4 Daily or almost daily

d Don't Know r Refused  
@

[@] <0,1-4,d,r>

> cnas1<

[r] During the PAST 3 MONTHS, how often have you had a strong desire or urge [n]  
[r] to use cannabis, marijuana or hash? Would you say: never, once or twice, [n]  
[r] monthly, weekly, daily or almost daily? [n]

- 0 never
- 1 once or twice
- 2 monthly
- 3 weekly
- 4 daily or almost daily

d don't know r refused  
@

[@] <0,1-4,d,r>

>cnas2<

[r] During the PAST 3 MONTHS, how often has your use of cannabis, marijuana or [n] hash led to health, social, legal or financial problems? [n]

[bold][cyan]

Would you say: never, once or twice, monthly, weekly, daily or almost daily?

[n][white]

- 0 never
- 1 once or twice
- 2 monthly
- 3 weekly
- 4 daily or almost daily

d don't know r refused @

[@] <0,1-4,d,r>

>cnas3< [#cud5]

[r] During the PAST 3 MONTHS, how often have you failed to do what was normally [n] expected of you because of your use of cannabis, marijuana or hash? [n]

[bold][cyan]

Would you say: never, once or twice, monthly, weekly, daily or almost daily?

[n][white]

- 0 never
- 1 once or twice
- 2 monthly
- 3 weekly
- 4 daily or almost daily

d don't know r refused @

[@] <0,1-4,d,r>

>cud6<

[r] How often during the PAST 3 MONTHS did you need to use cannabis in the [n] morning to get yourself going after a heavy session of using cannabis? [n]

[bold][cyan]

Would you say: never, once or twice, monthly, weekly, daily or almost daily?

[n][white]

[bold][yellow]

Interviewer: if required, cannabis includes marijuana and hash. [n][white]

0 never

- 1 once or twice
- 2 monthly
- 3 weekly
- 4 daily or almost daily

d Don't Know r Refused @

[@] <0,1-4,d,r>

>cud7<

[r] How often during the PAST 3 MONTHS have you had a feeling of guilt or [n] remorse after using cannabis? [n]

[bold][cyan]

Would you say: never, once or twice, monthly, weekly, daily or almost daily?

[n][white]

[bold][yellow]

Interviewer: if required, cannabis includes marijuana and hash. [n][white]

0 never

- 1 once or twice
- 2 monthly
- 3 weekly
- 4 daily or almost daily

d Don't Know r Refused @

[@] <0,1-4,d,r>

>cud8<

[r] How often during the PAST 3 MONTHS have you had a problem with your memory [n] or concentration after using cannabis? [n]

[bold][cyan]

Would you say: never, once or twice, monthly, weekly, daily or almost daily?

[n][white]

[bold][yellow]

Interviewer: if required, cannabis includes marijuana and hash. [n][white]

0 never

- 1 once or twice
- 2 monthly
- 3 weekly
- 4 daily or almost daily

d Don't Know r Refused @

[@] <0,1-4,d,r>

>cnas4< [#cud10]

[r] Has a friend, relative, a doctor or anyone else ever expressed concern about [n]  
[r] your use of cannabis, marijuana or hash? Would you say: yes, within the past [n]  
[r] 3 months; yes, but not in the past 3 months; or no, not at all? [n]

- 1 Yes, but not in the PAST 3 MONTHS
- 3 Yes, during the PAST 3 MONTHS

5 no

d don't know r refused  
@

[@] <1,3,5,d,r>

>cnas5<

[r] Have you EVER TRIED AND FAILED to control, cut down or stop using cannabis, [n]  
[r] marijuana or hash? Would you say: yes, within the past 3 months; yes, but [n]  
[r] not in the past 3 months; or no, not at all? [n]

- 1 Yes, but not in the PAST 3 MONTHS
- 3 Yes, during the PAST 3 MONTHS

5 no

d don't know r refused  
@

[@] <1,3,5,d,r>

>cud9<

[r] Have you or someone else EVER been injured as a result of your cannabis use? [n]

[bold][yellow]  
INTERVIEWER: if r says "yes", ask "was this in the PAST 3 MONTHS?"  
If required, cannabis includes marijuana and hash.  
[n][white]

- 1 Yes, but not in the PAST 3 MONTHS
- 3 Yes, during the PAST 3 MONTHS

5 no

d don't know r refused  
@

[@] <1,3,5,d,r>

>end\_can< [allow 1][store <1> in end\_can]

[# ===== COCAINE USE ( ASK ALL) =====]

>ck1< [define <d><8>] [define <r><9>][#ask all]

[r] Some people use COCAINE in social settings with friends, while others use it[n]  
[r] for its stimulant properties. Have you EVER IN YOUR LIFETIME used COCAINE? [n]

- 1 yes
- 5 no

d don't know r refused  
@

[@] <1>  
<5,d,r> [goto int3]

>ck2< [define <d><98>][define <r><99>]

[r] How many times, if any, have you used COCAINE during the PAST 12 months: [n]  
[r] would you say more than once a day, about every day, four to five times [n]  
[r] a week, two to three times a week, once a week, two to three times a month, [n]  
[r] once a month, less than once a month or never? [n]

- 1 More than once a day
- 2 About every day (includes SIX times a week)
- 3 4 to 5 times a week
- 4 2 to 3 times a week
- 5 Once a week
- 6 2 to 3 times a month
- 7 Once a month
- 8 Less than once a month
- 9 Never

d Don't Know r Refused  
@

[@] <1-9,d,r>

[# ===GENERAL HEALTH QUESTIONS, Quality of Life ==]  
[#ASK ALL]

>int3<

[r] Next, we would like to ask you a few questions about your general health [n]  
[r] and how you have been feeling lately.  
[n]

Press enter to continue

@

[@][no data]

>gh1< [define <d><8>] [define <r><9>]

[r] In general, would you say your health is excellent, very good, good, fair [n]  
[r] or poor? [n]

- 1 Excellent
- 2 Very good
- 3 Good
- 4 Fair
- 5 Poor

d Don't Know r Refused  
@

[@] <1-5,d,r>

>hs1a<

[r] In general, would you say your overall MENTAL HEALTH is [n]  
[r] excellent, very good, good, fair, or poor ? [n]  
[n]

- 1 excellent
- 2 very good
- 3 good
- 4 fair
- 5 poor

d don't know r refused  
@

[@] <1-5,d,r>

>gh2r< [# gh2r replaced gh2] [define <d><98>][define <r><99>]

[r] Now thinking about your physical health, which includes physical illness and [n]  
[r] injury, for how many days in the last 30 days was your physical health not [n]  
[r] good? [n]

0 never  
1-30 enter number of days

d don't know r refused  
@

[@] <0,1-30,d,r>

>gh3r< [# gh3r replaced gh3]

[r] Now thinking about your mental health, which includes stress, depression, [n]  
[r] and problems with emotions, for how many days during the past 30 days was [n]  
[r] your mental health not good? [n]

0 never

1-30 enter number of days

d don't know r refused  
@

[@] <0,1-30,d,r>

>gh4<

[r] During the past 30 days for about how many days did poor physical or mental [n]  
[r] health keep you from doing your usual activities, such as self-care, work, [n]  
[r] or recreation? [n]

0 never

1-30 enter number of days

d don't know r refused  
@

[@] <0,1-30,d,r>

[# ===== GHQ-12 ==]  
[# ==GENERAL HEALTH QUESTIONNAIRE =====]

>int4< [#ASK ALL]

[r] In the next few questions we would like to know if you have experienced any [n]  
[r] medical complaints, and how your health has been in general, over the past [n]  
[r] few weeks. [n]

Press "Enter" to continue @

[@][nodata]

>gq1< [define <d><8>][define <r><9>]

[r] Over the past few weeks, have you been able to concentrate on whatever [n]  
[r] you're doing? [n]

[r] Would you say better than usual, same as usual, less than usual, or [n]  
[r] much less than usual? [n]

- 1 better than usual
- 3 same as usual
- 5 less than usual
- 7 much less than usual

d don't know r refused  
@

[@] <1,3,5,7,d,r>

>gq2<

[r] Over the past few weeks, have you felt that you are playing a useful part [n]  
[r] in things? [n]

[r] Would you say more so than usual, same as usual, less so than usual, or [n]  
[r] much less than usual? [n]

- 1 more so than usual
- 3 same as usual
- 5 less so than usual
- 7 much less than usual

d don't know r refused  
@

[@] <1,3,5,7,d,r>

>gq3<

[r] Over the past few weeks, have you felt capable of making decisions about [n]  
[r] things? [n]

[bold][cyan]

Would you say more so than usual, same as usual, less so than usual, or much less than usual?  
[n][white]

- 1 more so than usual
- 3 same as usual
- 5 less so than usual
- 7 much less than usual

d don't know r refused  
@

[@] <1,3,5,7,d,r>

>gq4<

[r] Over the past few weeks, have you been able to enjoy your normal day-to-day [n]  
[r] activities? [n]

[bold][cyan]

Would you say more so than usual, same as usual, less so than usual, or much less than usual?  
[n][white]

- 1 more so than usual
- 3 same as usual
- 5 less so than usual
- 7 much less than usual

d don't know r refused  
@

[@] <1,3,5,7,d,r>

>gq5<

[r] Over the past few weeks, have you been able to face up to your problems? [n]

[bold][cyan]

Would you say more so than usual, same as usual, less so than usual, or much less than usual?  
[n][white]

- 1 more so than usual
- 3 same as usual
- 5 less so than usual
- 7 much less than usual

0 r volunteers "I have no problems"

d don't know r refused  
@

[@] <1,3,5,7,0,d,r>

>gq6<

[r] Over the past few weeks, all things considered, have you been feeling [n]  
[r] reasonably happy? [n]

[bold][cyan]

Would you say more so than usual, same as usual, less so than usual, or much less than usual?  
[n][white]

- 1 more so than usual
- 3 same as usual
- 5 less so than usual
- 7 much less than usual

d don't know r refused  
@

[@] <1,3,5,7,d,r>

>gq7<

[r] Over the past few weeks, have you lost much sleep because of worry? [n]

[r] Would you say not at all, no more than usual, rather more than usual, or [n]  
[r] much more than usual? [n]

- 1 not at all
- 3 no more than usual
- 5 rather more than usual
- 7 much more than usual

d don't know r refused  
@

[@] <1,3,5,7,d,r>

>gq8<

[r] Over the past few weeks, have you felt constantly under strain? [n]

[r] Would you say not at all, no more than usual, rather more than usual, or [n]

[r] much more more than usual? [n]

- 1 not at all
- 3 no more than usual
- 5 rather more than usual
- 7 much more than usual

d don't know      r refused  
@

[@] <1,3,5,7,d,r>

>gq9<

[bold][cyan] Over the past few weeks... [n][white]

[r] ...have you felt you could not overcome your difficulties?  
[n]

[bold][cyan]

Would you say not at all, no more than usual, rather more than usual, or  
much more than usual?

[n][white]

- 1 not at all
- 3 no more than usual
- 5 rather more than usual
- 7 much more than usual

d don't know      r refused  
@

[@] <1,3,5,7,d,r>

>gq10<

[r] Over the past few weeks, have you been feeling unhappy and depressed? [n]

[bold][cyan]

Would you say not at all, no more than usual, rather more than usual, or  
much more than usual?

[n][white]

- 1 not at all
- 3 no more than usual
- 5 rather more than usual
- 7 much more than usual

d don't know      r refused  
@

[@] <1,3,5,7,d,r>

>gq11<

[bold][cyan] Over the past few weeks, have you...[n][white]

[r] ...been losing confidence in yourself?  
[n]

[bold][cyan]

Would you say not at all, no more than usual, rather more than usual, or  
much more than usual?

[n][white]

- 1 not at all
- 3 no more than usual
- 5 rather more than usual
- 7 much more than usual

d don't know      r refused  
@

[@] <1,3,5,7,d,r>

>gq12<

[r] Over the past few weeks, have you been thinking of yourself as a worthless [n]

[r] person?

[n]

[bold][cyan]

Would you say not at all, no more than usual, rather more than usual, or  
much more than usual?

[n][white]

- 1 not at all
- 3 no more than usual
- 5 rather more than usual
- 7 much more than usual

d don't know      r refused  
@

[@] <1,3,5,7,d,r>

[# ==== PSYCHOTHERAPEUTICS =====]

>int2< [#ask all]

[r] The next set of questions are about various types of prescription [n]

[r] medications -- medications that are prescribed by a doctor or psychiatrist. [n]

Press "Enter" to continue @

[@][nodata]

>ps1< [#ask all][define <d><8>][define <r><9>]

[r] In the past 12 months, have you taken any prescription medication to help [n]

[r] you sleep?

[n]

- 1 yes
- 5 no

d don't know      r refused  
@

[@] <1,d>  
<5,r> [goto ps11]

>ps2<

[r] How about in the past 7 days, have you taken any prescription medication [n]  
[r] to help you sleep? [n]

1 yes  
5 no

d don't know r refused  
@

[@]<1,5,d,r>

>ps11< [#ask all] [define <d><8>] [define <r><9>]

[r] In the past 12 months, have you taken any prescription medication to reduce [n]  
[r] anxiety or panic attacks? [n]

1 yes  
5 no

d don't know r refused  
@

[@] <1,d>  
<5,r> [goto ps16]

>ps12<

[r] How about in the past 7 days, have you taken any prescription medication [n]  
[r] to reduce anxiety or panic attacks? [n]

1 yes  
5 no

d don't know r refused  
@

[@]<1,5,d,r>

>ps16< [# ask all] [define <d><8>] [define <r><9>]

[r] In the past 12 months, have you taken any prescription medication to treat [n]  
[r] depression? [n]

1 yes  
5 no

d don't know r refused  
@

[@] <1,d>  
<5,r> [goto end\_psy]

>ps17<

[r] How about in the past 7 days, have you taken any prescription medication to [n]  
[r] treat depression? [n]

1 yes  
5 no

d don't know r refused  
@

[@] <1,5,d,r>

>end\_psy<

[# ===== PAIN RELIEVERS Panel B only ===]  
[# ===Items revised July 2008 from Dec 2007=====]

>Int\_pr< [# response categories revised 2008]

[r] The next few questions are about your use of various pain relievers in [n]  
[r] the past 12 months. We are NOT interested in ordinary pain relievers [n]  
[r] such as aspirin, Advil, regular Tylenol etc. [n]

[r] In these questions, by PAIN RELIEVERS, we mean those that are obtained by [n]  
[r] a PRESCRIPTION from a doctor or dentist (such as Percocet, Percodan, [n]  
[r] Demerol, OxyContin, Tylenol #3 or other products) or pain relievers [n]  
[r] WITH CODEINE that are obtained in a pharmacy, behind the counter, without a [n]  
[r] prescription (such as Tylenol #1, Robaxacet 8, 222 Tablets or other products).[n]

[r] Some people use these medications to treat pain resulting from an illness, [n]  
[r] injury or for some other reason. [n]

Press "Enter" to continue @

[@][nodata]

>pr3< [define <d><8>] [define <r><9>]

[r] In the past 12 months how often, if at all, have you used ANY such [n]  
[r] PAIN RELIEVERS? Would you say: never, once or twice, monthly, weekly, daily [n]  
[r] or almost daily? [n]

[bold][yellow]  
Interviewer: if respondent says "used as needed/ used after surgery/after injury" code as 5.

Interviewer if asked: we mean pain relievers available by prescription OR from a pharmacist, behind the counter without a prescription OR from any other source.

Such pain relievers include:  
222 Tablets, Endocet, Morphine sulphate,  
Pethidine,  
Codeine Contin, Fiorinal, Oxycodone-IR (instant release),  
Roboxacet 8,  
Demerol, Hydromorph Contin, Oxycontin,  
Robaxisal,  
Dilaudid, Kadian, Percocet, Tylenol #1  
Duragesic, MS Contin, Percodan, #2, #3 or  
#4.  
[n][white]

- 0 never
  - 1 Once or twice
  - 2 Monthly
  - 3 Weekly
  - 4 Daily or almost daily
  - 5 as needed (do not read)
- d don't know r refused @

[@] <1-5>  
<0,d,r> [goto end\_pr]

>int\_source< [#ASK all users, if pr3 eq 1-5]

[r] Thinking about ALL the pain relievers you have used during  
the past 12 months,[n]  
[r] did you get any of them ... [n]

Press "Enter" to continue @

[@][nodata]

>pr3a< [define <d><8>] [define <r><9>]

[r] from a pharmacist, behind the counter, without a prescription?  
[n]

[bold][yellow]  
Interviewer if necessary: such as Tylenol #1, Roboxacet 8, 222  
Tablets or other  
CODEINE products.  
[n][white]

- 1 yes
  - 5 no
- d don't know r refused  
@

[@] <1,5,d,r>

>pr3b<

[r] from a prescription written for YOU?  
[n]

- 1 yes
- 5 no

d don't know r refused  
@

[@] <1,5,d,r>

>pr3c<

[r] from a prescription written for someone else such as a family  
member or [n]  
[r] a friend? [n]

- 1 yes
  - 5 no
- d don't know r refused  
@

[@] <1,5,d,r>

>pr3d<

[r] bought from someone else, without a prescription?  
[n]

- 1 yes
  - 5 no
- d don't know r refused  
@

[@] <1,5,d,r>

>pr3f<

[r] from any other source? [n]

- 1 yes, specify
  - 5 no
- d don't know r refused  
@

[@] <1>[specify]  
<5,d,r>

[#===== MISUSE/ ABUSE revised 2008 =====]

>int\_misuse< [#ASK all users, if pr3 eq 1-5]

>Int\_misuse<

[r] Now I am going to ask you about some experiences that you  
may have had with [n]  
[r] your pain relievers. Please think about ALL the pain relievers  
you have used[n]  
[r] in the past 12 months. [n]

Press "Enter" to continue @

[@][nodata]

>prdep1< [#NESARC]

[if pr3a eq <1> or pr3b eq <1>]

[r] During the past 12 months, how often, if at all, have you used these pain [n]  
relievers in larger amounts or for a longer period than prescribed OR [n]  
[r] recommended? [n]

[else]

[r] During the past 12 months, how often, if at all, have you used these pain [n]  
relievers in larger amounts or for a longer period than you meant to? [n]

[endif]

[r] Would you say: never, once or twice, monthly, weekly, daily or almost daily?[n]

- 0 Never
- 1 Once or twice
- 2 Monthly
- 3 Weekly
- 4 Daily or almost daily
- 5 as needed (do not read)
- d don't know r refused
- @

[@] <0,1-5,d,r>

>prdep2< [#assist1]

[r] During the past 12 months, how often, if at all, have you had a strong desire[n]  
[r] or urge to use these pain relievers? [n]

[bold][cyan]

Would you say never, once or twice, monthly, weekly, or daily or almost daily?

[n][white]

- 0 Never
- 1 Once or twice
- 2 Monthly
- 3 Weekly
- 4 Daily or almost daily
- d Don't Know r Refused
- @

[@] <0,1-4,d,r>

>prdep3< [#assist2]

[bold][cyan] During the PAST 12 MONTHS, [n][white]

[r] how often, if at all, has your use of pain relievers led to health, [n]  
[r] social, legal or financial problems? [n]

[bold][cyan]

Would you say never, once or twice, monthly, weekly, or daily or almost daily?

[n][white]

- 0 Never
- 1 Once or twice
- 2 Monthly
- 3 Weekly
- 4 Daily or almost daily

d Don't Know r Refused

@

[@] <0,1-4,d,r>

>prdep4< [#assist3]

[bold][cyan] During the PAST 12 MONTHS, [n][white]

[r] how often, if at all, have you failed to do what was normally expected of you[n]  
[r] because of your use of pain relievers? [n]

[bold][cyan]

Would you say never, once or twice, monthly, weekly, or daily or almost daily?

[n][white]

- 0 Never
- 1 Once or twice
- 2 Monthly
- 3 Weekly
- 4 Daily or almost daily

d Don't Know r Refused

@

[@] <0,1-4,d,r>

>prdep5< [#assist4]

[r] Has a friend, a relative, a doctor or anyone else ever expressed concern about [n]  
[r] your use of pain relievers? [n]

- 1 Yes, but not in the PAST 12 MONTHS
- 3 Yes, during the PAST 12 MONTHS

5 no, never

d don't know r refused

@

[@] <1,3,5,d,r>

d don't know r refused  
@

>prdep6< [#assist5/ NESARC]

[@] <1,3,5,d,r>

[r] Have you ever tried to control, cut down or stop using any of these pain [n]  
[r] relievers but found you couldn't do it?  
[n]

>end\_pr< [allow int 1]  
[store <1> in end\_pr]

- 1 Yes, but not in the PAST 12 MONTHS
- 3 Yes, during the PAST 12 MONTHS

5 no, never

d don't know r refused  
@

[# ===== DEMOGRAPHICS =====]

[@] <1,3,5,d,r>

>age< [define <d><9998>][define <r><9999>][define <a><9997>]

>prdep7< [#NESARC]

[r] Finally, these last questions are for classification purposes only. [n]

[r] Have you ever had to use more of these pain relievers than you once did to [n]  
[r] get the effect you wanted? [n]

[r] First, in what year were you born? [n]

- 1 Yes, but not in the PAST 12 MONTHS
- 3 Yes, during the PAST 12 MONTHS

1890-1990 Enter year

5 no, never

a after 1990

d don't know r refused  
@

d don't know r refused  
@

[@] <1,3,5,d,r>

[@] <1890-1990>  
<a,d,r>

>prdep8< [#NESARC]

>sd2< [define <d><98>][define <r><99>]

[r] Have you ever had a period when you spent a lot of time making sure you always [n]  
[r] had enough of these pain relievers available?  
[n]

[r] What is the highest level of education you have completed? [n]

- 1 Yes, but not in the PAST 12 MONTHS
- 3 Yes, during the PAST 12 MONTHS

- 1 No schooling
- 2 Some elementary school
- 3 Completed elementary school
- 4 Some high school/junior high
- 5 Completed high school
- 6 Some community college
- 7 Some technical school (College Classique, CEGEP)
- 8 Completed community college
- 9 Completed technical school (College Classique, CEGEP)

5 no, never

d don't know r refused  
@

- 10 Some University
- 11 Completed Bachelor's Degree (Arts, Science, Engineering, etc.)
- 12 Post graduate Training: MA, MSc, MBA, MSW, etc.

[@] <1,3,5,d,r>

- 13 Post graduate Training: PhD, "doctorate"
- 14 Professional Degree (Law, Medicine, Dentistry)

>prdep9<

[r] Have you ever used any pain relievers to get high? [n]

d Don't Know r Refused  
@

- 1 Yes, but not in the PAST 12 MONTHS
- 3 Yes, during the PAST 12 MONTHS

[@] <1-14,d,r>

5 no, never

>sd3< [define <s><0>]

[r] What is your religion? [n]

- 1 Anglican            8 Hindu            7 Orthodox
- 2 Baptist            9 Jehovah's Witness   16 Pentecostal
- 3 Born-again Christian   10 Jewish            17 Presbyterian
- 4 Buddhist            11 Latter Day Saints   18 Protestant
- 5 Catholic            12 Lutheran           5 RC
- 6 Christian            13 Mennonite          5 Roman Catholic
- 1 Church of England   22 Methodist          19 Salvation Army
  
- 7 Eastern Orthodox    11 Mormon            20 Sikh
- 1 Episcopalian          14 Muslim            21 United Church
- 7 Greek Orthodox      15 Non-denominational   23 Unitarian

s Other religion (specify)

97 No religion/Atheist   d Don't know       r Refused

@

[@] <1-23,97>  
<d,r> [goto sd5]  
<s> [specify]

>sd4< [define <d><998>] [define <r><999>]

[r] How often have you attended religious services in the last twelve months? [n]

[bold][yellow]  
INTERVIEWER: if necessary, this does not include weddings and funerals.  
[n][white]

0 Never

1-996 Enter number of times  
997 997 times or more

d Don't Know       r Refused  
@

[@] <0,1-997,d,r>

>sd5< [define <d><8>] [define <r><9>]

[r] At present are you married, living with a partner, widowed, divorced, [n]

[r] separated, or have you never been married? [n]

- 1 married
- 2 living with a partner
- 3 widowed
- 4 divorced
- 5 separated
- 6 never married

d don't know       r refused  
@

[@] <1-6,d,r>

>sd5a< [define <d><98>] [define <r><99>]

[r] Including yourself, how many people are currently living in your household? [n]

1-97 enter number

d don't know       r refused  
@

[@] <1-97,d,r>

>sd6r< [# revised item name in 2008B]

[r] Are you presently working for pay in a full-time or in a part-time job, are [n]

[r] you unemployed, retired, a homemaker, a student, or something else? [n]

- 1 full-time job (including those on vacations, pregnancy leave, illness, or other types of paid leave from work)
- 2 part-time job
- 3 two or more jobs (self-employed and work for pay, part-time

and full-time work, etc.)

- 4 unemployed
- 5 retired (includes retired and working part-time)
- 6 homemaker
- 7 student (includes students working part-time)
- 8 self-employed
- 9 disability

0 other

d don't know       r refused  
@

[@] <1-5,8> [goto sd7]  
<6> [goto sd6b]  
<0,7,9,d,r> [goto sd7b]

>sd6b< [define <d><8>] [define <r><9>]

[r] Did you ever work for pay in a full-time or in a part-time job? [n]

- 1 yes
- 5 no

d don't know       r refused  
@

[@] <1>  
<5,d,r> [goto sd7b]

>sd7NOCS< [define <d><8>][define <r><9>] new in 2008

[if sd6 ge <1>][if sd6 le <3>]

[r] What is your main occupation? [n]

[endif][endif]

[if sd6 eq <8>] [# self employed added]

[r] What is your main occupation?  
[endif]  
[if sd6 is <4>]  
[r] When you were last employed, what was your main occupation? [n]  
[endif]  
[if sd6 is <5>]  
[r] Before you retired, what was your main occupation?  
[n]  
[endif]  
[if sd6 is <6>]  
[r] When you were last employed, what was your main occupation? [n]  
[endif]

[bold][yellow]  
INTERVIEWER: Do not accept one word answers such as "co-ordinator", "clerk", "works at bank", "businessman" etc.

ASK FOR job title, what they do at this job and broader industry!  
[n][white]

1 Enter text, end with //  
d don't know r refused  
@

[@] <1> [specify]  
<d,r>

>sd7b< [define <d><8>] [define <r><9>] [#ASK ALL]

[r] Do you currently have a valid driver's licence?  
[n]

1 yes  
5 no  
d don't know r refused  
@

[@] <1,5,d,r>

>sd8< [define <d><98>] [define <r><99>] [define <s><0>]

[r] What language do you usually speak in your own home?  
[n]

6 ENGLISH 7 French  
1 Cantonese 13 Italian 22 Somali  
1 Chinese 14 Japanese 23 Spanish  
2 Croatian 15 Korean 4 Swedish  
3 Czech 16 Macedonian 24 Tamil  
4 Danish 1 Mandarin 25 Ukranian  
5 Dutch 4 Norwegian 26 Urdu  
8 Filipino 17 Polish 27 Vietnamese  
4 Finnish 18 Portuguese 28 Welsh  
9 German 19 Punjabi 29 Yugoslavian  
10 Greek 30 Romanian  
11 Hindi 20 Russian  
12 Hungarian 21 Serbian

[n] s Other (specify) r Refused  
@  
[&] <1-30>  
<s> [specify]  
<d,r>  
>sd8a<  
[r] In what country were you born?  
[n]  
1 Canada 20 United States 21 United Kingdom  
2 China 11 Jamaica  
3 France 12 Netherlands / Holland  
4 Germany 13 Philippines  
5 Greece 14 Poland  
6 Guyana 15 Portugal  
7 Hong Kong 16 Romania  
8 Hungary 17 Russia  
9 India 18 Viet Nam  
10 Italy 19 Sri Lanka

s Other (specify) r Refused  
@  
[&] <2-21>  
<s>[specify]  
<1,d,r>[goto sd9a]

>sd8b< [define <d><9998>] [define <r><9999>]

[r] In what year did you first come to Canada to live?  
[n]

[bold][yellow]  
INTERVIEWER: Minimum is year of birth; maximum is current year.  
[n][white]

1900-2008 Enter year

0 I was born a canadian citizen

d don't know r refused  
@

[@] <1900-2008,0,d,r>

>sd9a< [define <s><0>] [define <d><98>] [define <r><99>]  
[r] To what ethnic or cultural group did you, or your ancestors belong on first [n]  
[r] coming to this continent? [n]  
[bold][yellow]  
INTERVIEWER: If R is not clear, say "Are you Scottish, Chinese, Greek, or something else?"  
[n][white]  
1 Australian 13 Ethiopian 24 Jamaican 33 Portuguese 41  
Vietnamese  
2 Austrian 14 French 25 Japanese 34 Russian 8  
Yugoslavian  
3 Bahamian 10 Finnish 26 Jewish 6 SCOTTISH 6  
Welsh

4 Bangladeshi 15 German 27 Korean 8 Serbian 95  
 Aboriginal  
 5 BLACK/African 16 Greek 28 Lebanese 35 Sikh 96  
 Canadian  
 6 British 17 Guyanese 8 Macedonian 36 Somalia  
 7 Chinese 18 Haitian 1 New Zealand 9 Slovakian  
 8 Croatian 11 Holland 11 Netherlands 37 Spanish  
 9 Czech 19 Hungarian 29 Nigerian 38 Sri Lanka  
 10 Danish 20 Irish 10 Norwegian 10 Swedish  
 11 Dutch 21 Italian 30 Pakistani 38 Tamil  
 6 English 22 Indian 31 Philipino 39 Trinidadian  
 12 El Salvador 23 Israeli 32 Polish 40 Ukrainian

s Other (specify) d Don't know r Refused  
 @

[@] <1-41,95,96>[goto sd9c]  
 <d,r> [goto sd10]  
 <s> [specify]

>sd9c< [define <d><98>] [define <r><99>] [define <s><0>]  
 [bold][yellow] (INTERVIEWER: Enter SECOND mention only  
 here.[n][white]

97 NO SECOND MENTION

1 Australian 13 Ethiopian 24 Jamaican 33 Portuguese 41  
 Vietnamese  
 2 Austrian 14 French 25 Japanese 34 Russian 8  
 Yugoslavian  
 3 Bahamian 10 Finnish 26 Jewish 6 SCOTTISH 6  
 Welsh  
 4 Bangladeshi 15 German 27 Korean 8 Serbian 95  
 Aboriginal  
 5 BLACK/African 16 Greek 28 Lebanese 35 Sikh 96  
 Canadian  
 6 British 17 Guyanese 8 Macedonian 36 Somalia  
 7 Chinese 18 Haitian 1 New Zealand 9 Slovakian  
 8 Croatian 11 Holland 11 Netherlands 37 Spanish  
 9 Czech 19 Hungarian 29 Nigerian 38 Sri Lanka  
 10 Danish 20 Irish 10 Norwegian 10 Swedish  
 11 Dutch 21 Italian 30 Pakistani 38 Tamil  
 6 English 22 Indian 31 Philipino 39 Trinidadian  
 12 El Salvador 23 Israeli 32 Polish 40 Ukrainian

s Other (specify) d Don't know r Refused  
 @

[@] <1-41,95,96,97,d,r>  
 <s> [specify]

>sd10< [define <d><999998.00>][define <r><999999.00>]

[r] Could you please tell me how much income you and other  
 members of your [n]  
 [r] household received in the year ending December 31st 2007,  
 before taxes? [n]

[r] Please include income FROM ALL SOURCES such as  
 savings, pensions, rent, and [n]  
 [r] unemployment insurance as well as wages.  
 [n]

[r] TO THE NEAREST THOUSAND DOLLARS, what was your  
 TOTAL HOUSEHOLD INCOME before[n]  
 [r] taxes and other deductions were made?  
 [n]

@ Enter full amount (include thousands)

d don't know r refused

[@] <1000.00-999996.00> [input format dollar commas] [goto  
 sd16r]  
 <d,r>

>sd10b< [define <d><98>][define <r><99>]

[r] We don't need the exact amount; could you tell me which of  
 these broad [n]  
 [r] categories it falls into... [n]

- 1...less than \$20,000
- 2...between \$20,000 and \$30,000 (\$29,999.99)
- 3...between \$30,000 and \$40,000
- 4...between \$40,000 and \$50,000
- 5...between \$50,000 and \$60,000
- 6...between \$60,000 and \$70,000
- 7...between \$70,000 and \$80,000
- 8...between \$80,000 and \$90,000
- 9...between \$90,000 and \$100,000, or
- 10...more than \$100,000?

d Don't Know r Refused  
 @

[@] <1-10,d,r>

>sd16r< [define <d><8>] [define <r><9>]

[r] During the past 12 months, have you used the Internet or  
 online services at [n]  
 [r] home, elsewhere, both at home and elsewhere, or not at all?  
 [n]

- 1 yes, at home only
- 3 yes, elsewhere only
- 5 yes, both at home and elsewhere

7 no, did not use

d don't know r refused  
 @

[@] <1,3,5,7,d,r>

[# ===== begin POSTAL code routine  
 =====]

>IN\_POSTAL< [allow int 1]  
 [if not entry mode][goto DONE\_POSTAL][endif]  
 [store <1> in IN\_POSTAL]  
 [start timer]  
 [start question count]

>timer\_POSTAL< [allow int 6]  
 >count\_POSTAL< [allow int 2]

```

>START_POSTAL< [undefine <d>][undefine <r>] [# core]

>problem1< [template]

[if PROV is <10>]
  Postal Codes in NEWFOUNDLAND must begin with: A
[endif]
[if PROV is <11>]
  Postal Codes in PRINCE EDWARD ISLAND must begin with:
  C
[endif]
[if PROV is <12>]
  Postal Codes in NOVA SCOTIA must begin with: B
[endif]
[if PROV is <13>]
  Postal Codes in NEW BRUNSWICK must begin with: E
[endif]
[if PROV is <24>]
  Postal Codes in QUEBEC must begin with: G, H, or J
[endif]
[if PROV is <35>]
  Postal Codes in ONTARIO must begin with: K,L,M,N,or P
[endif]
[if PROV is <46>]
  Postal Codes in MANITOBA must begin with: R
[endif]
[if PROV is <47>]
  Postal Codes in SASKATCHEWAN must begin with: S
[endif]
[if PROV is <48>]
  Postal Codes in ALBERTA must begin with: T
[endif]
[if PROV is <59>]
  Postal Codes in BRITISH COLUMBIA must begin with: V
[endif]
[if PROV is <60>]
  Postal Codes in YUKON must begin with: Y
[endif]
[if PROV is <61>]
  Postal Codes in NORTHWEST TERRITORY and NUNAVUT
  must begin with: X
[endif]

[endif]

>POSTALWINS< [window 3 destroy]
  [window 3 default]
  [window 3 size 14 rows 80 columns]
  [window 3 background blue]
  [window 3 no border]

  [window 6 destroy]
  [window 6 start row 20 column 1]
  [window 6 size 17 rows 80 columns]
  [window 6 border]
  [window 6 displays]
  [window 6 background yellow]

>POSTAL< [display problem1 window 6]
  [open POSTAL][optional all]
  [autoadvance]

[r] Can you tell me your postal code please? [n]

[bold][yellow] Interviewer: Use "d" for don't know or refused at
first item only [n][white]

  @1@2@3 @4@5@6

```

```

d

[@1][allow 1][reject nonalpha label <only letters here>][anychar]
  <d> [goto POSTAL1]
[@2][allow int 1]<0-9>
[@3][allow 1][reject nonalpha][anychar]
[@4][allow int 1] <0-9>
[@5][allow 1][reject nonalpha][anychar]
[@6][allow int 1] <0-9>

>POSTAL.2<

[r] Pouvez-vous me donner votre code postal, s'il-vous-pla?t?
[n]

[bold][yellow] Interviewer: Use "d" for don't know or refused at
first item only [n][white]

  @1@2@3 @4@5@6
  d

>POSTAL1< [if POSTAL@1 is <d> or POSTAL@1 is <D>]
  [store <9> in POSTAL@1]
  [store <9> in POSTAL@2]
  [store <9> in POSTAL@3]
  [store <9> in POSTAL@4]
  [store <9> in POSTAL@5]
  [store <9> in POSTAL@6]
  [goto FSA]
[endif]
[if POSTAL@2 is <d> or POSTAL@2 is <D>]
  [store <9> in POSTAL@1]
  [store <9> in POSTAL@2]
  [store <9> in POSTAL@3]
  [store <9> in POSTAL@4]
  [store <9> in POSTAL@5]
  [store <9> in POSTAL@6]
  [goto FSA]
[endif]
[if POSTAL@3 is <d> or POSTAL@3 is <D>]
  [store <9> in POSTAL@1]
  [store <9> in POSTAL@2]
  [store <9> in POSTAL@3]
  [store <9> in POSTAL@4]
  [store <9> in POSTAL@5]
  [store <9> in POSTAL@6]
  [goto FSA]
[endif]

>PCV1< [allow 7][store <> in PCV1]
>PCV2< [allow 5][store <> in PCV2]
>PCV3< [allow 7][store <> in PCV3]
>PCV4< [allow 5][store <> in PCV4]
>PCV5< [allow 7][store <> in PCV5]
>PCV6< [allow 5] [store <> in PCV6]

>PCV1F< [allow 8][store <> in PCV1F]
>PCV2F< [allow 6][store <> in PCV2F]
>PCV3F< [allow 8][store <> in PCV3F]
>PCV4F< [allow 6][store <> in PCV4F]
>PCV5F< [allow 8][store <> in PCV5F]
>PCV6F< [allow 6][store <> in PCV6F]

```

```

>LOAD1<  [if POSTAL@1 is <a> or POSTAL@1 is <A>]
    [store <Adam> in PCV1]
    [store <Adam> in PCV1F]
  [else]
  [if POSTAL@1 is <b> or POSTAL@1 is <B>]
    [store <Betty> in PCV1]
    [store <Bertrand> in PCV1F]
  [else]
  [if POSTAL@1 is <c> or POSTAL@1 is <C>]
    [store <Charlie> in PCV1]
    [store <Charles> in PCV1F]
  [else]
  [if POSTAL@1 is <d> or POSTAL@1 is <D>]
    [store <David> in PCV1]
    [store <David> in PCV1F]
  [else]
  [if POSTAL@1 is <e> or POSTAL@1 is <E>]
    [store <Edward> in PCV1]
    [store <Edouard> in PCV1F]
  [else]
  [if POSTAL@1 is <f> or POSTAL@1 is <F>]
    [store <Frank> in PCV1]
    [store <Francis> in PCV1F]
  [else]
  [if POSTAL@1 is <g> or POSTAL@1 is <G>]
    [store <George> in PCV1]
    [store <Georges> in PCV1F]
  [else]
  [if POSTAL@1 is <h> or POSTAL@1 is <H>]
    [store <Henry> in PCV1]
    [store <Henri> in PCV1F]
  [else]
  [if POSTAL@1 is <i> or POSTAL@1 is <I>]
    [store <Indigo> in PCV1]
    [store <Indigo> in PCV1F]
  [else]
  [if POSTAL@1 is <j> or POSTAL@1 is <J>]
    [store <John> in PCV1]
    [store <Jean> in PCV1F]
  [else]
  [if POSTAL@1 is <k> or POSTAL@1 is <K>]
    [store <King> in PCV1]
    [store <Kevin> in PCV1F]
  [else]
  [if POSTAL@1 is <l> or POSTAL@1 is <L>]
    [store <Lewis> in PCV1]
    [store <Louis> in PCV1F]
  [else]
  [if POSTAL@1 is <m> or POSTAL@1 is <M>]
    [store <Mary> in PCV1]
    [store <Marie> in PCV1F]
  [else]
  [if POSTAL@1 is <n> or POSTAL@1 is <N>]
    [store <Nancy> in PCV1]
    [store <Nancy> in PCV1F]
  [else]
  [if POSTAL@1 is <o> or POSTAL@1 is <O>]
    [store <Otto> in PCV1]
    [store <Olivier> in PCV1F]
  [else]
  [if POSTAL@1 is <p> or POSTAL@1 is <P>]
    [store <Peter> in PCV1]
    [store <Pierre> in PCV1F]
  [else]
  [if POSTAL@1 is <q> or POSTAL@1 is <Q>]
    [store <Queen> in PCV1]
    [store <Qu?bec> in PCV1F]
  [else]
  [if POSTAL@1 is <r> or POSTAL@1 is <R>]
    [store <Robert> in PCV1]
    [store <Robert> in PCV1F]
  [else]
  [if POSTAL@1 is <s> or POSTAL@1 is <S>]
    [store <Susan> in PCV1]
    [store <Sylvie> in PCV1F]
  [else]
  [if POSTAL@1 is <t> or POSTAL@1 is <T>]
    [store <Thomas> in PCV1]
    [store <Thomas> in PCV1F]
  [else]
  [if POSTAL@1 is <u> or POSTAL@1 is <U>]
    [store <Union> in PCV1]
    [store <Univers> in PCV1F]
  [else]
  [if POSTAL@1 is <v> or POSTAL@1 is <V>]
    [store <Victor> in PCV1]
    [store <Victor> in PCV1F]
  [else]
  [if POSTAL@1 is <w> or POSTAL@1 is <W>]
    [store <William> in PCV1]
    [store <William> in PCV1F]
  [else]
  [if POSTAL@1 is <x> or POSTAL@1 is <X>]
    [store <X-ray> in PCV1]
    [store <Xerox> in PCV1F]
  [else]
  [if POSTAL@1 is <y> or POSTAL@1 is <Y>]
    [store <Young> in PCV1]
    [store <Yvon> in PCV1F]
  [else]
  [if POSTAL@1 is <z> or POSTAL@1 is <Z>]
    [store <Zebra> in PCV1]
    [store <Z?bre> in PCV1F]
  [endif all]

>LOAD2<  [if POSTAL@2 eq <1>]
    [store <One> in PCV2]
    [store <Un> in PCV2F]
  [else]
  [if POSTAL@2 eq <2>]
    [store <Two> in PCV2]
    [store <Deux> in PCV2F]
  [else]
  [if POSTAL@2 eq <3>]
    [store <Three> in PCV2]
    [store <Trois> in PCV2F]
  [else]
  [if POSTAL@2 eq <4>]
    [store <Four> in PCV2]
    [store <Quatre> in PCV2F]
  [else]
  [if POSTAL@2 eq <5>]
    [store <Five> in PCV2]
    [store <Cinq> in PCV2F]
  [else]
  [if POSTAL@2 eq <6>]
    [store <Six> in PCV2]
    [store <Six> in PCV2F]
  [else]
  [if POSTAL@2 eq <7>]
    [store <Seven> in PCV2]
    [store <Sept> in PCV2F]
  [else]

```

```

[if POSTAL@2 eq <8>]
  [store <Eight> in PCV2]
  [store <Huit> in PCV2F]
[else]
[if POSTAL@2 eq <9>]
  [store <Nine> in PCV2]
  [store <Neuf> in PCV2F]
[else]
[if POSTAL@2 eq <0>]
  [store <Zero> in PCV2]
  [store <Z?ro> in PCV2F]
[endif all]

>LOAD3< [if POSTAL@3 is <a> or POSTAL@3 is <A>]
  [store <Adam> in PCV3]
  [store <Adam> in PCV3F]
[else]
[if POSTAL@3 is <b> or POSTAL@3 is <B>]
  [store <Betty> in PCV3]
  [store <Bertrand> in PCV3F]
[else]
[if POSTAL@3 is <c> or POSTAL@3 is <C>]
  [store <Charlie> in PCV3]
  [store <Charles> in PCV3F]
[else]
[if POSTAL@3 is <d> or POSTAL@3 is <D>]
  [store <David> in PCV3]
  [store <David> in PCV3F]
[else]
[if POSTAL@3 is <e> or POSTAL@3 is <E>]
  [store <Edward> in PCV3]
  [store <Edouard> in PCV3F]
[else]
[if POSTAL@3 is <f> or POSTAL@3 is <F>]
  [store <Frank> in PCV3]
  [store <Francis> in PCV3F]
[else]
[if POSTAL@3 is <g> or POSTAL@3 is <G>]
  [store <George> in PCV3]
  [store <Georges> in PCV3F]
[else]
[if POSTAL@3 is <h> or POSTAL@3 is <H>]
  [store <Henry> in PCV3]
  [store <Henri> in PCV3F]
[else]
[if POSTAL@3 is <i> or POSTAL@3 is <I>]
  [store <Indigo> in PCV3]
  [store <Indigo> in PCV3F]
[else]
[if POSTAL@3 is <j> or POSTAL@3 is <J>]
  [store <John> in PCV3]
  [store <Jean> in PCV3F]
[else]
[if POSTAL@3 is <k> or POSTAL@3 is <K>]
  [store <King> in PCV3]
  [store <Kevin> in PCV3F]
[else]
[if POSTAL@3 is <l> or POSTAL@3 is <L>]
  [store <Lewis> in PCV3]
  [store <Louis> in PCV3F]
[else]
[if POSTAL@3 is <m> or POSTAL@3 is <M>]
  [store <Mary> in PCV3]
  [store <Marie> in PCV3F]
[else]
[if POSTAL@3 is <n> or POSTAL@3 is <N>]
  [store <Nancy> in PCV3]
  [store <Nancy> in PCV3F]
[else]
[if POSTAL@3 is <o> or POSTAL@3 is <O>]
  [store <Otto> in PCV3]
  [store <Olivier> in PCV3F]
[else]
[if POSTAL@3 is <p> or POSTAL@3 is <P>]
  [store <Peter> in PCV3]
  [store <Pierre> in PCV3F]
[else]
[if POSTAL@3 is <q> or POSTAL@3 is <Q>]
  [store <Queen> in PCV3]
  [store <Qu?bec> in PCV3F]
[else]
[if POSTAL@3 is <r> or POSTAL@3 is <R>]
  [store <Robert> in PCV3]
  [store <Robert> in PCV3F]
[else]
[if POSTAL@3 is <s> or POSTAL@3 is <S>]
  [store <Susan> in PCV3]
  [store <Sylvie> in PCV3F]
[else]
[if POSTAL@3 is <t> or POSTAL@3 is <T>]
  [store <Thomas> in PCV3]
  [store <Thomas> in PCV3F]
[else]
[if POSTAL@3 is <u> or POSTAL@3 is <U>]
  [store <Union> in PCV3]
  [store <Univers> in PCV3F]
[else]
[if POSTAL@3 is <v> or POSTAL@3 is <V>]
  [store <Victor> in PCV3]
  [store <Victor> in PCV3F]
[else]
[if POSTAL@3 is <w> or POSTAL@3 is <W>]
  [store <William> in PCV3]
  [store <William> in PCV3F]
[else]
[if POSTAL@3 is <x> or POSTAL@3 is <X>]
  [store <X-ray> in PCV3]
  [store <Xerox> in PCV3F]
[else]
[if POSTAL@3 is <y> or POSTAL@3 is <Y>]
  [store <Young> in PCV3]
  [store <Yvon> in PCV3F]
[else]
[if POSTAL@3 is <z> or POSTAL@3 is <Z>]
  [store <Zebra> in PCV3]
  [store <Z?bre> in PCV3F]
[endif all]

>LOAD4< [if POSTAL@4 eq <1>]
  [store <One> in PCV4]
  [store <Un> in PCV4F]
[else]
[if POSTAL@4 eq <2>]
  [store <Two> in PCV4]
  [store <Deux> in PCV4F]
[else]
[if POSTAL@4 eq <3>]
  [store <Three> in PCV4]
  [store <Trois> in PCV4F]
[else]
[if POSTAL@4 eq <4>]
  [store <Four> in PCV4]
  [store <Quatre> in PCV4F]
[else]
[if POSTAL@4 eq <5>]

```

```

    [store <Five> in PCV4]
    [store <Cinq> in PCV4F]
  [else]
  [if POSTAL@4 eq <6>]
    [store <Six> in PCV4]
    [store <Six> in PCV4F]
  [else]
  [if POSTAL@4 eq <7>]
    [store <Seven> in PCV4]
    [store <Sept> in PCV4F]
  [else]
  [if POSTAL@4 eq <8>]
    [store <Eight> in PCV4]
    [store <Huit> in PCV4F]
  [else]
  [if POSTAL@4 eq <9>]
    [store <Nine> in PCV4]
    [store <Neuf> in PCV4F]
  [else]
  [if POSTAL@4 eq <0>]
    [store <Zero> in PCV4]
    [store <Z?ro> in PCV4F]
  [endif all]

>LOAD5<  [if POSTAL@5 is <a> or POSTAL@5 is <A>]
    [store <Adam> in PCV5]
    [store <Adam> in PCV5F]
  [else]
  [if POSTAL@5 is <b> or POSTAL@5 is <B>]
    [store <Betty> in PCV5]
    [store <Bertrand> in PCV5F]
  [else]
  [if POSTAL@5 is <c> or POSTAL@5 is <C>]
    [store <Charlie> in PCV5]
    [store <Charles> in PCV5F]
  [else]
  [if POSTAL@5 is <d> or POSTAL@5 is <D>]
    [store <David> in PCV5]
    [store <David> in PCV5F]
  [else]
  [if POSTAL@5 is <e> or POSTAL@5 is <E>]
    [store <Edward> in PCV5]
    [store <Edouard> in PCV5F]
  [else]
  [if POSTAL@5 is <f> or POSTAL@5 is <F>]
    [store <Frank> in PCV5]
    [store <Francis> in PCV5F]
  [else]
  [if POSTAL@5 is <g> or POSTAL@5 is <G>]
    [store <George> in PCV5]
    [store <Georges> in PCV5F]
  [else]
  [if POSTAL@5 is <h> or POSTAL@5 is <H>]
    [store <Henry> in PCV5]
    [store <Henri> in PCV5F]
  [else]
  [if POSTAL@5 is <i> or POSTAL@5 is <I>]
    [store <Indigo> in PCV5]
    [store <Indigo> in PCV5F]
  [else]
  [if POSTAL@5 is <j> or POSTAL@5 is <J>]
    [store <John> in PCV5]
    [store <Jean> in PCV5F]
  [else]
  [if POSTAL@5 is <k> or POSTAL@5 is <K>]
    [store <King> in PCV5]
    [store <Kevin> in PCV5F]
  [else]

  [if POSTAL@5 is <l> or POSTAL@5 is <L>]
    [store <Lewis> in PCV5]
    [store <Louis> in PCV5F]
  [else]
  [if POSTAL@5 is <m> or POSTAL@5 is <M>]
    [store <Mary> in PCV5]
    [store <Marie> in PCV5F]
  [else]
  [if POSTAL@5 is <n> or POSTAL@5 is <N>]
    [store <Nancy> in PCV5]
    [store <Nancy> in PCV5F]
  [else]
  [if POSTAL@5 is <o> or POSTAL@5 is <O>]
    [store <Otto> in PCV5]
    [store <Olivier> in PCV5F]
  [else]
  [if POSTAL@5 is <p> or POSTAL@5 is <P>]
    [store <Peter> in PCV5]
    [store <Pierre> in PCV5F]
  [else]
  [if POSTAL@5 is <q> or POSTAL@5 is <Q>]
    [store <Queen> in PCV5]
    [store <Qu?bec> in PCV5F]
  [else]
  [if POSTAL@5 is <r> or POSTAL@5 is <R>]
    [store <Robert> in PCV5]
    [store <Robert> in PCV5F]
  [else]
  [if POSTAL@5 is <s> or POSTAL@5 is <S>]
    [store <Susan> in PCV5]
    [store <Sylvie> in PCV5F]
  [else]
  [if POSTAL@5 is <t> or POSTAL@5 is <T>]
    [store <Thomas> in PCV5]
    [store <Thomas> in PCV5F]
  [else]
  [if POSTAL@5 is <u> or POSTAL@5 is <U>]
    [store <Union> in PCV5]
    [store <Univers> in PCV5F]
  [else]
  [if POSTAL@5 is <v> or POSTAL@5 is <V>]
    [store <Victor> in PCV5]
    [store <Victor> in PCV5F]
  [else]
  [if POSTAL@5 is <w> or POSTAL@5 is <W>]
    [store <William> in PCV5]
    [store <William> in PCV5F]
  [else]
  [if POSTAL@5 is <x> or POSTAL@5 is <X>]
    [store <X-ray> in PCV5]
    [store <Xerox> in PCV5F]
  [else]
  [if POSTAL@5 is <y> or POSTAL@5 is <Y>]
    [store <Young> in PCV5]
    [store <Yvon> in PCV5F]
  [else]
  [if POSTAL@5 is <z> or POSTAL@5 is <Z>]
    [store <Zebra> in PCV5]
    [store <Z?bre> in PCV5F]
  [endif all]

>LOAD6<  [if POSTAL@6 eq <1>]
    [store <One> in PCV6]

```

```

[store <Un> in PCV6F]
[else]
[if POSTAL@6 eq <2>]
[store <Two> in PCV6]
[store <Deux> in PCV6F]
[else]
[if POSTAL@6 eq <3>]
[store <Three> in PCV6]
[store <Trois> in PCV6F]
[else]
[if POSTAL@6 eq <4>]
[store <Four> in PCV6]
[store <Quatre> in PCV6F]
[else]
[if POSTAL@6 eq <5>]
[store <Five> in PCV6]
[store <Cinq> in PCV6F]
[else]
[if POSTAL@6 eq <6>]
[store <Six> in PCV6]
[store <Six> in PCV6F]
[else]
[if POSTAL@6 eq <7>]
[store <Seven> in PCV6]
[store <Sept> in PCV6F]
[else]
[if POSTAL@6 eq <8>]
[store <Eight> in PCV6]
[store <Huit> in PCV6F]
[else]
[if POSTAL@6 eq <9>]
[store <Nine> in PCV6]
[store <Neuf> in PCV6F]
[else]
[if POSTAL@6 eq <0>]
[store <Zero> in PCV6]
[store <Z?ro> in PCV6F]
[endif all]

>CHECK_POSTAL< [allow int 1][autoadvance end]

[r] So just to confirm I've entered everything correctly, your
postal code is: [n]
[r] [fill PCV1] [fill PCV2] [fill PCV3] [fill PCV4] [fill PCV5]
[fill PCV6] ([fill POSTAL@1] [fill POSTAL@2] [fill
POSTAL@3] [fill POSTAL@4] [fill POSTAL@5] [fill
POSTAL@6]). [n]

[r] Is that correct? [n]

1 Yes
5 No

r refused
@

[@]<1,9> [goto FSA]
<5> [goto FIX_POSTAL]

>CHECK_POSTAL.2<

[r] Donc, juste pour confirmer que j'ai bien entr? ?a
correctement, votre code [n]
[r] postale est le: [n]

[r] [fill PCV1F] [fill PCV2F] [fill PCV3F] - [fill PCV4F] [fill
PCV5F] [fill PCV6F] ([fill POSTAL@1] [fill POSTAL@2] [fill
POSTAL@3] [fill POSTAL@4] [fill POSTAL@5] [fill
POSTAL@6]). [n]

[r] C'est bien ?a? [n]

1 Oui
5 Non

r refus
@

>FIX_POSTAL< [store <> in POSTAL@1]
[store <> in POSTAL@2]
[store <> in POSTAL@3]
[store <> in POSTAL@4]
[store <> in POSTAL@5]
[store <> in POSTAL@6]
[store <> in CHECK_POSTAL]
[goto POSTAL]

>FSA< [allow 3]
[make FSA from POSTAL@1 POSTAL@2 POSTAL@3]

>LDU< [allow 3]
[make LDU from POSTAL@4 POSTAL@5 POSTAL@6]

>POSTAL2< [if FSA is <999> goto DONE_POSTAL]

>DONE_POSTAL< [window 3 destroy]
[window 3 default]
[window 3 background blue]
[window 3 no border]
[window 6 destroy]

>OUT_POSTAL< [allow int 1]
[if not entry mode][goto END_POSTAL][endif]
[store <1> in OUT_POSTAL]
[stop timer][record timer in timer_POSTAL]
[stop question count][record question count in
count_POSTAL]

>END_POSTAL<

[#-----end of POSTAL code routine-----]

>ISR1< [goto cd]
[define <d><98>][define <r><99>]

[r] Not including cell phones, how many separate telephone
NUMBERS are there [n]
[r] in this household? [n]

1 One
2-97 Enter exact number

d Don't Know r Refused
@

```

[@] <1,d,r> [goto ISR3]  
<2-97>

>ISR2< [define <d><98>] [define <r><99>]

[r] How many of these numbers are used only for business purposes or by children [n]  
[r] under 18 years of age? [n]

0-97 enter exact number

d don't know r refused  
@

[@] <0-97,d,r>

>ISR3< [define <d><8>] [define <r><9>]

[r] Is telephone number [fill AREA]-[fill PRFX:0]-[fill SUFX:0] listed in the [n]  
[r] current telephone directory? [n]

1 yes  
5 no

d don't know r refused  
@

[@] <1,5,d,r>

>cd< [if area eq <416>][goto cty1][endif]  
[if area eq <519>][goto cty2][endif]  
[if area eq <613>][goto cty3][endif]  
[if area eq <705>][goto cty4][endif]  
[if area eq <807>][goto cty5][endif]

>cty1< [allow int 2][define <d><98>] [define <r><99>][define <s><0>]

[r] In what COUNTY or regional municipality do you live?  
[n]

18 Durham RM(Oshawa Ajax Newcastle Pickering Whitby)  
28 Haldimand-Norfolk RM(Nanticoke Dunnville Simcoe Delhi Norfolk)  
24 Halton RM(Burlington Halton Hills Milton Oakville)  
25 Hamilton-Wentworth RM(Ancaster Dundas Flamborough Stoney Creek)  
20 Metro Toronto(North York York East York Scarborough Etobicoke)  
26 Niagara RM(St Kitts Thorold Welland Niagara-on-the Lake Grimsby)  
14 Northumberland C(Brighton Cobourg Port Hope)  
21 Peel RM(Brampton Mississauga Caledon)  
43 Simcoe C(Barrie Orillia Collingwood Midland Wasaga Beach)  
19 York RM(Aurora Markham Newmarket RichHill Vaughan King)

s Other (specify)

d Don't Know r Refused  
@

[@] <18,28,24,25,20,26,14,21,43,19,d,r> [goto end\_cty]  
<s> [specify][goto end\_cty]

>cty2< [allow int 2][equiv cty1] [define <d><98>] [define <r><99>][define <s><0>]

[r] In what COUNTY or regional municipality do you live?  
[n]

29 Brant C(Brantford Paris Burford)  
41 Bruce C(Kincardine Port Elgin Southampton Walkerton Wiarton)  
22 Dufferin C(Orangeville Shelburne Grand Valley)  
34 Elgin C(St Thomas Aylmer Port Stanley)  
37 Essex C(Windsor Amherstburg Leamington Tecumseh)  
42 Grey C(Owen Sound Durham Hanover)  
28 Haldimand-Norfolk RM(Nanticoke Dunnville Simcoe Delhi Norfolk)  
25 Hamilton-Wentworth RM(Ancaster Dundas Flamborough Stoney Creek)  
40 Huron C(Clinton Exeter Goderich Seaforth Wingham)  
36 Kent C(Chatham Blenheim Wallaceburg)  
38 Lambton C(Sarnia Forest Petrolia)  
39 Middlesex C(London Strathroy)  
32 Oxford C(Woodstock Ingersoll Tillsonburg)  
21 PeeL RM(Brampton Mississauga Caledon)  
31 Perth C(Stratford St Marys Listowel)  
30 Waterloo RM(Cambridge Kitchener Wilmot Woolwich)  
23 Wellington C(Guelph Fergus Mount Forest Arthur Elora)  
s other (specify) d don't know r refused  
@

[@] <29,41,22,34,37,42,28,25,40,36,38,39,32,21,31,30,23> [goto end\_cty]

<d,r> [goto end\_cty]  
<s> [specify][goto end\_cty]

>cty3< [allow int 2][equiv cty1][define <d><98>] [define <r><99>][define <s><0>]

[r] In what COUNTY or regional municipality do you live?  
[n]

10 Frontenac C(Kingston)  
46 Haliburton C(Minden)  
12 Hastings C(Belleveille Trenton Tweed Bancroft)  
09 Lanark C(Almonte Carleton Place Smith Falls Perth)  
07 Leeds & Grenville C(Brockville Gananoque Prescott)  
11 Lennox & Addington C(Napanee Bath Newburgh)  
48 Nipissing D(North Bay Mattawa Sturgeon Falls)  
14 Northumberland C(Brighton Cobourg Port Hope)  
06 Ottawa-Carleton RM(Gloucester Kanata Nepean Vanier Cumberland)  
02 Prescott & Russell C(Hawkesbury Rockland)  
13 Prince Edward C(Picton Bloomfield Wellington)  
47 Renfrew C(Pembroke Arnprior Deep River Barry\_s Bay)  
01 Stormont, Dundas & Glengary C(Cornwall Alexandria)

s other (specify) d don't know r refused  
@

[@] <10,46,12,09,07,11,48,14,06,02,13,47,01> [goto end\_cty]

<d,r> [goto end\_cty]  
<s> [specify][goto end\_cty]

>cty4<[allow int 2][equiv cty1]

[r] In what COUNTY or regional municipality do you live?  
[n]

57 Algoma D(Sault Ste Marie Blind River Elliott Lake)

56 Cochrane D(Timmins Hearst Kapuskasing)  
18 Durham RM(Oshawa Ajax Newcastle Pickering Whitby)  
46 Haliburton C(Minden)  
51 Manitoulin D(Gore Bay Little Current)  
44 Muskoka DM(Bracebridge Gravenhurst Huntsville)  
48 Nipissing D(North Bay Mattawa Sturgeon Falls)  
14 Northumberland C(Brighton Cobourg Port Hope)  
49 Parry Sound D(Powassan)  
15 Peterborough C(Havelock Lakefield)  
47 Renfrew C(Pembroke Arnprior Deep River Barry\_s Bay)  
43 Simcoe C(Barrie Orillia Collingwood Midland Wasaga

Beach)

53 Sudbury RM(Capreol Nickel Centre Rayside Valley East)  
52 Sudbury D(Espanola Chapleau)  
54 Timiskaming D(Cobalt Haileybury Kirkland Lake New

Liskeard)

16 Victoria C(Lindsay Bobcaygeon Fenelon Falls)  
19 York RM(Aurora Markham Newmarket RichHill Vaughan

King)

s other (specify) d don't know r refused  
@

[@] <57,56,18,46,51,44,48,14,49,15,47,43,53,52,54,16,19> [goto  
end\_cty]

<d,r> [goto end\_cty]

<s> [specify][goto end\_cty]

>cty5< [allow int 2][equiv cty1][define <d><98>] [define  
<r><99>][define <s><0>]

[r] In what COUNTY or regional municipality do you live?  
[n]

60 Kenora D(Dryden Keewatin Sioux Lookout)  
59 Rainy River D(Fort Francis)  
58 Thunder Bay D(Geraldton Longlac)

s Other (specify)

d Don't Know r Refused  
@

[@] <60,59,58,d,r>

<s> [specify]

>end\_cty<

[# =====RESPONDENT EVALUATIONS =====]

>re1< [define <d><8>] [define <r><9>]

[r] Do you think this interview was MUCH too long,  
SOMEWHAT long, or ABOUT right? [n]

1 much too long  
3 somewhat long  
5 about right

d don't know r refused  
@

[@] <1,3,5,d,r>

>re2< [define <d><8>] [define <r><9>]

[r] Overall, would you say that this interview was not at all  
difficult, somewhat [n]

[r] difficult, or much too difficult to do?

[n]

1 not at all difficult  
3 somewhat difficult  
5 much too difficult

d don't know r refused  
@

[@] <1,3,5,d,r>

>re3a< [define <d><8>] [define <r><9>]

[r] Were there any questions which you found confusing or  
unclear? [n]

1 yes  
5 no

d don't know r refused  
@

[@] <1>

<5,d,r> [goto re4]

>re3b< [define <d><8>] [define <r><9>]

[r] What were they? [n]

[bold][cyan] The questions which you found confusing or unclear  
[n][white]

1 enter text, end with //

d Don't Know r Refused  
@

[@] <1> [specify]  
<d,r>

>re3c< [define <d><8>][define <r><9>]

[r] What was confusing or unclear about the questions?  
[n]

1 enter text, end with //

d Don't Know r Refused  
@

[@] <1> [specify]  
<d,r>

>re4< [define <d><8>] [define <r><9>]

[r] Were there any instances where you understood a question, but  
still found it [n]

[r] difficult to answer? [n]

1 Yes  
5 No

d Don't Know r Refused

```

@
[ @ ] <1>
  <5,d,r> [goto stop]

>re4b< [define <d><8>][define <r><9>]

[r] What were they? [n]

[bold][cyan]
  Were there any instances where you understood a question, but
  still found it
  difficult to answer? [n][white]

  1 enter text, end with //

  d Don't Know r Refused
  @

[ @ ] <1> [specify]
  <d,r>

```

```

>re4c< [define <d><8>][define <r><9>]

[r] Why were they difficult? [n]

  1 enter text, end with //

  d Don't Know r Refused
  @

[ @ ] <1> [specify]
  <d,r>

>stop< [if ETIM eq <>][settime ETIM][endif]
  [goto SET]

```

**Appendix D**  
**Derived Variables**

## DERIVED VARIABLES

### SMOKING

**SSTATUS3 Smoking status - Standard to Health Canada**  
Based on tc1, tc2, tc5

SSTATUS3=	DESCRIPTION	CONDITION
1	Current smoker	(tc1=1, 3) OR (tc1=5 AND tc2=1 AND tc5 =1)
2	Former smoker (includes those who “recently” quit- 1-11 months ago )	(tc1 =5 AND tc2=1 AND tc5=2,3,4,5) OR ( tc1=3 AND tc5=2,3,4,5)
3	Never smoker (never 100 cigarettes)	tc2=5

**SSTATUS5 Smoking status - detailed**  
Based on SSTATUS3, tc3, tc1

SSTATUS5=	DESCRIPTION	CONDITION
1	Current daily smoker	SSTATUS3=1, AND tc1=1
2	Current non-daily smoker	SSTATUS3=1, AND tc1=3
3	Former daily smoker	SSTATUS3=2, AND tc3=1
4	Former non-daily smoker	SSTATUS3=2, AND tc3=5
5	Never 100 cigarettes	SSTATUS3=3

See also : **daily smoking** (SDAILY);  
**no. of cigarettes smoked** (NCIGCAT, CIGCAT4) ;  
**smoking dependence indicators** (SMK30MIN, DEPSMK, HSI3,  
HSMKDEP).

## ALCOHOL

### **ALCSTAT3 Drinking status (past 12 months)**

Based on ac1 and ac2

ALCSTAT3=	DESCRIPTION	CONDITION
1	Past 12 months drinker	ac1=1
2	Former drinker	ac2=1 AND ac1=5
3	Abstainer (never drank)	ac2=5 AND ac1=5

### **ALC12M Alcohol use past 12 months**

Based on ALCSTAT3

ALC12M=	DESCRIPTION	CONDITION
0	Not used alcohol past 12 months	ALCSTAT3=2,3
1	Used alcohol past 12 months	ALCSTAT3=1

See also : **ALCLIFE** – Used alcohol lifetime; **ALC30D** – Used alcohol past 30 days.

### **QFVOL Volume of alcohol consumed in standard drinks in past year.**

Estimated using usual quantity by usual frequency approach.

Based on ac5 and ac6a.

$QFVOL = ac5 \text{ (recoded)} * ac6a.$

Note: AC5 (frequency of use of alcohol) and related frequency categories are recoded as follows:

- 1 'more than once a day' = 365 times
- 2 'about every day' = 365 times
- 3 '4 to 5 times a week' = 234 times
- 4 '2 to 3 times a week' = 130 times
- 5 'once a week' = 52 times
- 6 '2 to 3 times a month' = 30 times
- 7 'once a month' = 12 times
- 8 'less than once a month' = 6 times

QFVOL =	DESCRIPTION
0 through 9,000	Number of standard drinks in past 12 months
99999	Missing

**ALDAILY Daily drinking**

Based on ac5 -- recoded for total sample.

ALDAILY=	DESCRIPTION	CONDITION
0	Non-daily /non-drinker past 12 months	ac5=3 through 8, and system missing=0
1	Daily drinker past 12 months	ac5=1,2

**FIVEWK Five or more drinks in a single sitting weekly (in the past 12 months)**

Based on item five – recoded for total sample

FIVEWK=	DESCRIPTION	CONDITION
0	No/ non-drinker past 12 months	five =5 through 9, and system missing =0
1	Five plus weekly past 12 months	five =1 through 4

See also: **FIVEMN** - Five or more drinks in a single sitting monthly.**ALC7D Total drinks in past 7 days (in standard drinks)**

Based on items Sunday to Saturday – total no. of standard drinks consumed in the past 7 days

ALC7D = summation of items Sunday, Monday, ..., Saturday

**ALCLEV4 Daily Alcohol Intake Level <sup>1</sup> (in the past 12 months)**

Volume of alcohol consumed in a day in standard drinks (1 standard drink=13.6g)

Based on QFVOL in grams of alcohol and standard drinks per day, recoded for total sample.

Daily Alcohol Intake Level	Standard Drinks per Day (1 standard drink=13.6grams)	
	Males	Females
0= Abstinence	0	0
1= Low	0.01 - 3.00	0.01- 1.50
2= Hazardous	3.01 - 4.50	1.51- 3.00
3= Harmful	4.51+	3.01+

Note: <sup>1</sup> (see (English, 1995))

**LOW RISK DRINKING (percentage exceeding low-risk drinking guidelines)**

Canadian guidelines referring to “low-risk drinking” were disseminated in 1994 following an international conference on health benefits and risks (Ashley, Ferrence, Room, Rankin, & Single, 1994).

In 1997, revised guidelines were released by the former Addiction Research Foundation (currently CAMH) and the Canadian Centre on Substance Abuse. These guidelines have now been endorsed by various national and provincial government and non-government agencies (Bondy et al., 1999).

The “low-risk drinking” guidelines (LRD) recommend that men and women limit weekly alcohol intake to no more than 14 and 9 standard drinks, respectively. Also, alcohol intake on any one day should generally be limited to 2 standard drinks. Caution should be taken to avoid intoxication and injury, and circumstances were identified where abstinence may be warranted. The guidelines are intended to represent low risk of the most important forms of harm and to address usual drinking over many years.

The derived variable for our survey, **LRISKDRK**, is the percentage exceeding the low-risk drinking guidelines. It is based on items ALC7D and items sunday to saturday.

LRISKDRK	DESCRIPTION	CONDITION	
		Males	Females
0	Not exceeding LRD/ non-drinker (past 7days)	14 or less drinks/week AND 2 or less drinks/day	9 or less drinks/week AND 2 or less drinks/day
1	Exceeding weekly and daily sex specific limits (past 7 days)	15+ drinks/week 3+drinks/day	10+ drinks/week 3+ drinks/day

**AUDIT, AUDIT8**

**AUDIT derived variables**

**Harmful and Hazardous Drinking - based on WHO’s Alcohol Use Disorders Identification Test (AUDIT)**

The World Health Organization has developed a screening instrument - the Alcohol Use Disorders Identification Test (AUDIT) - designed to detect problem drinkers at the less severe end of the spectrum of alcohol problems (Babor, Higgins-Biddle, Saunders, & Monteiro, 2001; Saunders, Aasland, Babor, De la Fuente, & Grant, 1993). The AUDIT assesses hazardous and harmful drinking. *Hazardous* drinking refers to an established pattern of drinking that increases the likelihood of future physical and mental health problems (e.g., liver disease), whereas *harmful* drinking refers to a pattern of drinking that is already causing damage to health (e.g., alcohol-related injuries; depression). A score of 8 or more is conventionally used as a cut-off point to estimate the percentage who drink at hazardous or harmful levels.

Derived **AUDIT** variables (**AUDIT**, **AUDIT8**) are based on the following items:

Variable name	AUDIT Items	Recoded category
	Alcohol Intake	
<b>ac5</b> (aud1)	1. How often did you drink alcoholic beverages during the past 12 months?	0. Never
		1. Monthly or less
		2. 2-4 times/month
		3. 2-3 times/week
		4. 4+ times/week
<b>ac6a</b> (aud2)	2. On those days when you drink, how many drinks do you usually have?	0. None/ or One
		1. Two to Three
		2. Four
		3. Five to Seven
		4. Eight or more
<b>five</b> (aud3)	3. About how often during the past 12 months would you say that you had five or more drinks at the same sitting or occasion?	0. Never
		1. Less than monthly
		2. Monthly
		3. Weekly
		4. Daily or almost daily
	Dependence Indicators	
<b>aud4</b>	4. How often during the last year have you found that you were not able to stop drinking once you had started?	0. Never
		1. Less than monthly
		2. Monthly
		3. Weekly
		4. Daily or almost daily
<b>aud5</b>	5. How often during the last year have you failed to do what was normally expected from you because of drinking?	0. Never
		1. Less than monthly
		2. Monthly
		3. Weekly
		4. Daily or almost daily
<b>aud6</b>	6. How often during the last year have you needed a first alcoholic drink in the morning to get yourself going after a heavy drinking session?	0. Never
		1. Less than monthly
		2. Monthly
		3. Weekly
		4. Daily or almost daily

Adverse Consequences		
<b>aud7</b>	7. How often during the last year have you had a feeling of guilt or remorse after drinking?	0. Never
		1. Less than monthly
		2. Monthly
		3. Weekly
		4. Daily or almost daily
<b>aud8</b>	8. How often during the last year have you been unable to remember what happened the night before because you had been drinking?	0. Never
		1. Less than monthly
		2. Monthly
		3. Weekly
		4. Daily or almost daily
<b>aud9</b>	9. Have you or someone else ever been injured as a result of your drinking?	0. No
		2. Yes, but not last year
		4. Yes, during last year
<b>aud0</b> (aud10)	10. Has a relative or friend or a doctor or other health worker ever been concerned about your drinking or suggested that you cut down?	0. No
		2. Yes, but not last year
		4. Yes, during last year

**AUDIT      AUDIT score (total sample)**

Items aud1 to aud10 were recoded for total sample: aud1t to aud10t.

summation of: aud1t, aud2t, aud3t, aud4t, aud5t, aud6t, aud7t, aud8t, aud9t, aud10t

min: 0    max: 40 (higher score = increased likelihood of alcohol problems)

**AUDIT8      AUDIT score cut-off 8+ (drink at hazardous or harmful levels)**

Based on AUDIT

AUDIT8=	DESCRIPTION	CONDITION
0 = "no"	AUDIT score less than 8	AUDIT ge 0 and AUDIT le 7
1= "yes"	AUDIT score of 8 and over	AUDIT ge 8

See also: **AUDITC**    **AUDIT score for consumption/ intake** (summation of: aud1t, aud2t, aud3t)  
**AUDITD**    **AUDIT score for dependence** (summation of: aud4t, aud5t, aud6t)  
**AUDITAC**    **AUDIT score for adverse consequences** (summation of: aud4t, aud5t, aud6t, aud10t)  
**AUDITP**    **AUDIT score for problems (adverse consequences + dependence)**

## ILLICIT DRUGS

### 1. CANNABIS

**CANLIFE**     **Lifetime cannabis use**  
Based on cn1

CANLIFE=	DESCRIPTION	CONDITION
0 = "no"	Never used	cn1=5
1= "yes"	Ever used in lifetime	cn1=1

**CAN12M**     **Cannabis use past 12 months**  
Based on cn2 – recoded for total sample

CAN12M=	DESCRIPTION	CONDITION
0 = "no"	Never used/ not used past 12 months	cn2=9
1= "yes"	Used past 12 months	cn2=1 through 8

**CAN3M**     **Cannabis use past 3 months**  
Based on CAN3 – recoded for total sample

CAN3M=	DESCRIPTION	CONDITION
0 = "no"	Never used/ not used past 3 months	cn3m=0
1= "yes"	Used past 3 months	cn3m=1 through 4

See also: **cannabis and driving (CANDRIV)**.

### 2. CANNABIS PROBLEMS - WHO-ASSIST and CUDIT

To assess cannabis problems we used 2 screeners – the ASSIST and the CUDIT. Respondents who used cannabis in the past 3 months were asked both the “WHO-ASSIST” items (cnas1 to cnas6) and the “CUDIT” items (cud1 to cud10).

#### 2.1. ASSIST (Based on WHO’s Alcohol, Smoking and Substance Involvement Screening Test )

The World Health Organization has developed a screening instrument – the **Alcohol, Smoking and Substance Involvement Screening Test (ASSIST)** - designed to assess, for users of specific substances, the risk of experiencing health and other problems (e.g. social, financial, legal, relationship) from their current pattern of use (WHO ASSIST Working Group, 2002).

The **ASSIST** is asked only of **past 3 months** users. The **ASSIST** score ranges from 0 to 39. Three

categories are used to assess the risk of experiencing health and other problems: 1) “low” (a score of 0-3) refers to a pattern of use associated with a low risk of experiencing problems; 2) “moderate” (a score of 4-26) refers to a pattern of use associated with a moderate risk of experiencing problems; and 3) “high” (a score of 27 +) refers to a pattern of use that is associated with a high risk of experiencing problems and is likely to lead to dependency.

Derived **ASSIST** variables (**ASISTCAN**, **ASISTCN3**) are based on the following items:

Variable name	ASSIST Items	Recoded category
<b>can3m</b> (ascan1)	1. How often have you used cannabis, marijuana or hash during the PAST THREE months?	0. Never
		2. Once or twice
		3. Monthly
		4. Weekly
		6. Daily or almost daily
<b>cnas1</b> (ascan2)	2. During the PAST 3 MONTHS, how often have you had a strong desire or urge to use cannabis, marijuana or hash?	0. Never
		3. Once or twice
		4. Monthly
		5. Weekly
		6. Daily or almost daily
<b>cnas2</b> (ascan3)	3. During the PAST 3 MONTHS, how often has your use of cannabis, marijuana or hash led to health, social, legal or financial problems?	0. Never
		4. Once or twice
		5. Monthly
		6. Weekly
		7. Daily or almost daily
<b>cnas3</b> (ascan4)	4. During the PAST 3 MONTHS, how often have you failed to do what was normally expected of you because of your use of cannabis, marijuana or hash?	0. Never
		5. Once or twice
		6. Monthly
		7. Weekly
		8. Daily or almost daily
<b>cnas4</b> (ascan5)	5. Has a friend, relative, a doctor or anyone else ever expressed concern about your use of cannabis, marijuana or hash?	0. Never
		3. Yes, not past 3months
		6. Yes, past 3 months
<b>cnas5</b> (ascan6)	6. Have you ever tried and failed to control, cut down or stop using cannabis, marijuana or hash?	0. Never
		3. Yes, not past 3months
		6. Yes, past 3 months

**ASISTCAN Cannabis ASSIST score (total sample)**

Based on 6 items CN3M, CNAS1 through CNAS5 (items were first recoded for total sample ascan1, ascan2, ascan3, ascan4, ascan5, ascan6).

summation of items: **ascan1, ascan2, ascan3, ascan4, ascan5, ascan6.**

min: 0 max: 39 (higher score = increased likelihood of experiencing problems)

**ASISTCN3 Risk level for cannabis consumption - 3 categories**

Based on ASISTCAN score

ASISTCN3=	DESCRIPTION	CONDITION
0= "low"	Score <=3 Low risk of developing health and other problems	ASISTCAN le 3
1= "moderate"	4=< Score <=26 Moderate risk of developing health and other problems	ASISTCAN ge 4 and le 26
2= "high"	Score >=27 High risk of developing health and other problems and likely to be dependent	ASISTCAN ge 27

**ASISTCN2 Risk level for cannabis consumption - 2 categories**

Based on ASISTCAN score – categories (moderate /high) combined

ASISTCN2=	DESCRIPTION	CONDITION
0= "low"	Score <=3 Low risk of developing health and other problems	ASISTCAN le 3
1= "moderate/ high"	Score >=4 Moderate or high risk of developing health and other problems (eventually likely to be dependent)	ASISTCAN ge 4

## 2.2. CUDIT (The Cannabis Use Disorder Identification Test)

The Cannabis Use Disorder Identification Test (**CUDIT**), a screening instrument based on the Alcohol Use Disorders Identification Test (AUDIT), was developed for identifying a current cannabis disorder (cannabis abuse or cannabis dependence) (Adamson & Sellman, 2003). Although the original CUDIT is asked among past year users, the CAMH version is asked among past 3 months users in order to harmonize reporting periods with other scales.

The **CUDIT** is asked only of **past 3 months** users. The **CUDIT** score ranges from 0 to 40. A score of 8 or more is conventionally used as a cut-off point to estimate the percentage who experience a current cannabis disorder.

Derived **CUDIT** variables (**CUDIT**, **CUDIT8**) are based on the following items:

Variable name	CUDIT Items	Recoded category
	Cannabis Consumption	
<b>cud1</b>	1. How often did you use cannabis in the past 3 months?	0. Never
		1. Monthly or less
		2. 2-4 times/month
		3. 2-3 times/week
		4. 4+ times/week
<b>cud2</b>	2. How many hours were you intoxicated on a typical day when you had been using cannabis?	0. None/ One or two
		1. Three to Four
		2. Five or Six
		3. Seven to Nine
		4. Ten or more
<b>cud3</b>	3. About how often during the past 3 months were you intoxicated for 6 or more hours?	0. Never
		1. Less than monthly
		2. Monthly
		3. Weekly
		4. Daily or almost daily
	Dependence Indicators	
<b>cud4</b>	4. How often during the past 3 months you found that you were not able to stop using cannabis once you had started?	0. Never
		1. Less than monthly
		2. Monthly
		3. Weekly
		4. Daily or almost daily
	5. How often during the past 3 months have you	0. Never

<b>cud5</b>	failed to do what was normally expected from you because of your use of cannabis?	1. Less than monthly
		2. Monthly
		3. Weekly
		4. Daily or almost daily
<b>cud6</b>	6. How often during the past 3 months did you need to use cannabis in the morning to get yourself going after a heavy session of using cannabis?	0. Never
		1. Less than monthly
		2. Monthly
		3. Weekly
<b>cud7</b>	7. How often during the past 3 months have you had a feeling of guilt or remorse after using cannabis?	0. Never
		1. Less than monthly
		2. Monthly
		3. Weekly
<b>cud8</b>	8. How often during the past 3 months have you had a problem with your memory or concentration after using cannabis?	0. Never
		1. Less than monthly
		2. Monthly
		3. Weekly
<b>cud9</b>	9. Have you or someone else ever been injured as a result of your cannabis use?	0. No
		2. Yes, but not in the past 3 months
		4. Yes, during the past 3 months
		4. Yes, during the past 3 months
<b>cud10</b>	10. Has a relative or friend or a doctor or other health worker ever been concerned about your use of cannabis or suggested that you cut down?	0. No
		2. Yes, but not in the past 3 months
		4. Yes, during the past 3 months
		4. Yes, during the past 3 months

**CUDIT            CUDIT score**

Items cud1 to cud10 were recoded for total sample: cud1t to cud10t.

summation of: cud1t, cud2t, cud3t, cud4t, cud5t, cud6t, cud7t, cud8t, cud9t, cud10t  
min: 0    max: 40 (higher score = increased likelihood of cannabis problems)

**CUDIT8            CUDIT score cut-off 8+ (current cannabis use problems)**

Based on CUDIT

CUDIT8=	DESCRIPTION	CONDITION
0 = "no"	CUDIT score less than 8	CUDIT le 7
1= "yes"	CUDIT score of 8 and over	CUDIT ge 8

**MENTAL HEALTH**

To measure overall mental wellness we used the 12-item General Health Questionnaire (GHQ-12) (Goldberg & Hillier, 1979), a screening instrument that evaluates two overarching problems: depression/anxiety and problems with social functioning. Although the GHQ does not provide a clinical determination of psychiatric disorder, it does provide an indication of an individual's risk of future problems.

**1. GENERAL HEALTH QUESTIONNAIRE (GHQ12)**

For the first time, the CAMH Monitor incorporated the GHQ into the 1999 survey. The item wording took the form: "Over the past weeks, have you....". Response categories are on a 4-point scale ranging from "better [more so] than usual" to "much less than usual"; or "not at all" to "much more than usual." The GHQ items (named gq1 to gq12 in the questionnaire) have been recoded to a "0-3" scale and renamed ghq1 to ghq12.

Derived **GHQ12** variables are based on the following items:

<b>Over the past few weeks, ...</b>	<b>Recoded Categories</b>
<b>ghq1.</b> ...have you been able to concentrate on whatever you're doing?	0. Better than usual
	1. Same as usual
	2. Less than usual
	3. Much less than usual
<b>ghq2.</b> ... have you felt that you are playing a useful part in things?	0. More so than usual
	1. Same as usual
	2. Less useful than usual
	3. Much less useful than usual

<b>Over the past few weeks, ...</b>	<b>Recoded Categories</b>
<b>ghq3.</b> ... have you felt capable of making decisions about things?	0. More so than usual
	1. Same as usual
	2. Less so than usual
	3. Much less capable
<b>ghq4.</b> ... have you been able to enjoy your day-to-day activities ?	0. More so than usual
	1. Same as usual
	2. Less so than usual
	3. Much less than usual
<b>ghq5.</b> ... have you been able to face up to your problems?	0. More so than usual
	1. Same as usual
	2. Less so than usual
	3. Much less than usual
<b>ghq6.</b> ... have you been feeling reasonably happy?	0. More so than usual
	1. Same as usual
	2. Less so than usual
	3. Much less than usual
<b>ghq7.</b> ... have you lost much sleep because of worry?	0. Not at all
	1. No more than usual
	2. Rather more than usual
	3. Much more than usual
<b>ghq8.</b> ... have you felt constantly under strain?	0. Not at all
	1. No more than usual
	2. Rather more than usual
	3. Much more than usual
<b>ghq9.</b> ... have you felt you could not overcome your difficulties?	0. Not at all
	1. No more than usual
	2. Rather more than usual
	3. Much more than usual
<b>ghq10.</b> ... have you been feeling unhappy and depressed?	0. Not at all
	1. No more than usual
	2. Rather more than usual
	3. Much more than usual
<b>ghq11.</b> ... have you been losing confidence in yourself?	0. Not at all
	1. No more than usual
	2. Rather more than usual
	3. Much more than usual
<b>ghq12.</b> ... have you been thinking of yourself as a worthless person?	0. Not at all
	1. No more than usual
	2. Rather more than usual
	3. Much more than usual

**GHQ12L      GHQ12 Likert summary score (0-36).**

Based on items ghq1 to ghq12.

Total Score **GHQ12L** = summation of: ghq1, ghq2, ghq3, ghq4, ghq5, ghq6, ghq7, ghq8, ghq9, ghq10, ghq11, ghq12.  
min: 0    max: 36 (higher score = increased likelihood of impaired mental health )

**GHQ3+      GHQ score cut-off 3+**

Based on GHQ12BI

The GHQ also yields a summary statistic to estimate the percentage experiencing significant disinterest, and poor functioning which we label elevated psychological distress, defined as reporting at least 3 of the 12 symptoms. The total score, **GHQ12BI**, is based on a binary scoring (ghq1\_bi, ..., ghq12\_bi; range 0-12).

GHQ3+ =	DESCRIPTION	CONDITION
0 = "no"	GHQ12BI score less than 3	GHQ12BI ge 0 and GHQ12BI le 3
1= "yes"	GHQ12BI score of 3 and over	GHQ12BI ge 3

**2. HRQOL - HEALTH-RELATED QUALITY OF LIFE MEASURES**

Based on the health-related quality of life core module (HRQOL-4) developed by the Centers for Disease Control and Prevention (CDC), Atlanta, US.

Investigators at the Centers for Disease Control and Prevention (CDC) have developed a brief survey tool to identify health-related quality of life in adult populations (Moriarty, Zack, & Kobau, 2003; Ôunpuu, Krueger, Vermeulen, & Chambers, 2000). The four-item HRQOL core module measures self-perceived health, recent physical and mental health, and recent activity limitation. HRQOL measures capture the key concepts of health, identified by the World Health Organization (WHO) in 1948, as “a state of complete physical, mental, and social well-being – not merely the absence of disease or infirmity.”

HRQOL measures are based on 5 items: gh1, hs1a, gh2r, gh3r, gh4. Unlike other health profiles, the HRQOL measures do not use a summary score or subscale scores based on psychometrically derived or preference-based weights. The only scoring used is a summary “unhealthy days” index, computed by adding a respondent’s physically and mentally unhealthy days, with a maximum of 30 days for one person. For comparing populations and examining patterns and trends, population means are generally used for the “days” measures. For some analyses, derived measures based on a cut point are used, for example, “frequent mental distress” is defined as 14 or more mentally unhealthy days reported by a respondent.

## DERIVED “HRQOL” VARIABLES

<b>FAIRHLT</b>	<b>Percent fair or poor health</b> Based on item gh1 (self-rated health) Recoded into 2 categories: ‘0’ (excellent, very good, good); ‘1’ (fair, poor)
<b>FAIRMHLT</b>	<b>Percent fair or poor mental health</b> Based on item hs1a (self-rated mental health) Recoded into 2 categories: ‘0’ (excellent, very good, good); ‘1’ (fair, poor)
<b>UNHLTPD</b>	<b>Physically unhealthy days</b> Based on item gh2r. Range: 0-30.
<b>UNHLTMD</b>	<b>Mentally unhealthy days</b> Based on item gh3r. Range: 0-30.
<b>ACTLIMD</b>	<b>Activity limitation days</b> Based on item gh4. Range: 0-30.
<b>UNHLTD</b>	<b>Sum of unhealthy days (physically &amp; mentally)</b> Sum of items UNHLTPD and UNHLTMD, recoded so max=30. Range: 0-30.
<b>MENTDISD</b>	<b>Frequent mental distress days</b> Based on item UNHLTMD (mentally unhealthy days) Recoded into 2 categories: ‘0’ (0-13 days); ‘1’ (14+ days) (as recommended by CDC).

## DEMOGRAPHICS

### **AGE**      **Age of respondent**

AGE = 2003 - Birth (year of birth)

Min:18    Max:96

### **AGECAT3**    **Age recoded in 3 categories** Based on age

AGECAT3	DESCRIPTION	CONDITON
1	18 - 34 years	age = 18 thru 34
2	35 - 54 years	age = 35 thru 54
3	55 years and older	age = 55 thru 96

### **AGECAT5**    **Age recoded in 5 categories** Based on age

AGECAT5	DESCRIPTION	CONDITION
1	18 - 29 years	age= 18 thru 29
2	30 - 39 years	age = 30 thru 39
3	40 - 49 years	age = 40 thru 49
4	50 - 64 years	age = 50 thru 64
5	65 years and older	age = 65 thru 96

**EDUCAT4 Highest level of education recoded ( 4 categories)**  
Based on sd2

EDUCAT4	DESCRIPTION	CONDITION
1	less than high school	sd2 = 1 thru 4
2	completed high school	sd2 = 5
3	some post-secondary (college or university)	sd2 = 6 thru 10
4	university degree	sd2 = 11 thru 14

**EMPCAT8 Employment status recoded ( 8 categories)**  
Based on sd6

EMPCAT8	DESCRIPTION	CONDITION
1	full-time	sd6=1
2	part-time	sd6=2
3	unemployed	sd6=4
4	retired	sd6=5
5	homemaker	sd6=6
6	student	sd6=7
7	self-employed	sd6=8
8	other	sd6=0,3

**MARSTAT3 Marital status recoded ( 3 categories)**  
Based on sd5

MARSTAT3	DESCRIPTION	CONDITION
1	Married/ Living with partner	sd5=1,2
2	Previously married (divorced, widowed, separated)	sd5=3,4,5
3	Never married	sd5=6

## **LHIN            Ontario’s Local Health Integration Networks**

In 2006, the province designated 14 geographic areas, named the Local Health Integration Networks (LHINs) of Ontario, each to function as health systems that plan, integrate and fund local health services (see <http://www.lhins.on.ca>) (see map at the end of the chapter). In the data file the LHINs were assigned at the individual-level according to the respondent’s postal code.

The 14 LHIN areas are:

1. Erie St. Clair;
2. South West;
3. Waterloo Wellington;
4. Hamilton Niagara Haldimand Brant;
5. Central West;
6. Mississauga Halton;
7. Toronto Central;
8. Central;
9. Central East,
10. South East;
11. Champlain;
12. North Simcoe Muskoka;
13. North East,
14. North West

## **REGPH7        Public Health Planning Regions (7 regions )**

Based on the item “county” and OMH Planning Regions (see below)

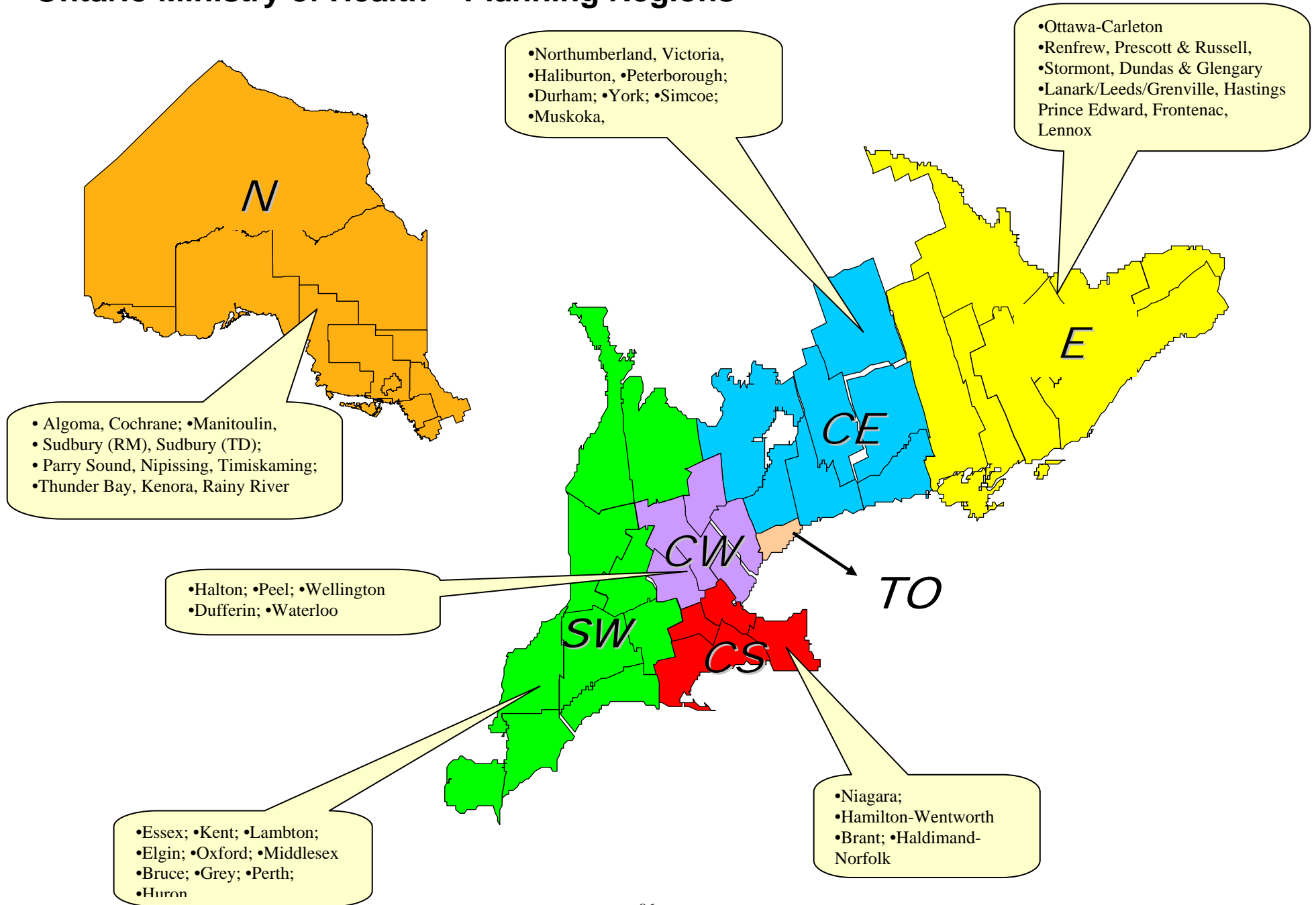
REGPH7	DESCRIPTION	CONDITION
1	Toronto	county = 20
2	Central South	county = (25 thru 29)
3	Central West	county = (21 thru 24, 30)
4	South West	county = (31 thru 42)
5	Central East	county = (14 thru 19, 43, 46)
6	Eastern Region	county = (1 thru 13, 47 )
7	North	county = (44, 48 thru 60)

## Ontario Ministry of Health - Planning Regions

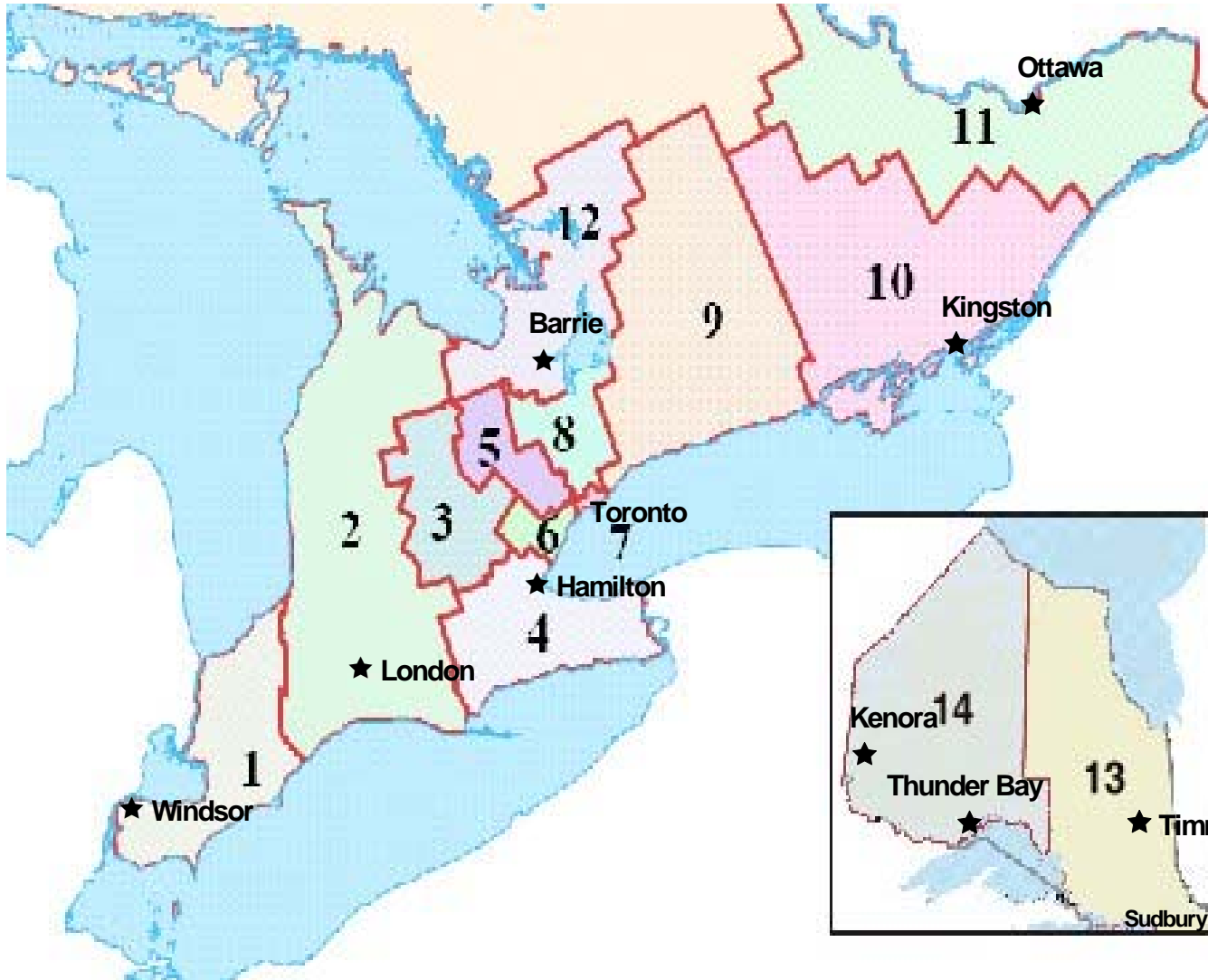
OMH Planning Region	Counties (23 Local Areas)
Toronto	
Central South	Niagara Hamilton-Wentworth Brant, Haldimand-Norfolk
Central West	Halton Peel Wellington, Dufferin Waterloo
South West	Essex Kent, Lambton Elgin, Oxford, Middlesex Bruce, Grey, Perth, Huron
Central East	Northumberland, Victoria, Haliburton, Peterborough Durham York Simcoe
Eastern Region	Ottawa-Carleton Renfrew, Prescott & Russell, Stormont, Dundas & Glengarry Lanark/Leeds/Grenville, Hastings, Prince Edward, Frontenac, Lennox & Addington
North	Algoma, Cochrane Manitoulin, Sudbury (R.M.), Sudbury (T.D.) Muskoka, Parry Sound, Nipissing, Timiskaming Thunder Bay, Kenora, Rainy River

Source: Ontario Ministry of Health. *Ontario Health Survey 1996-1997 Derived Variable Document*. Toronto: Ontario Ministry of Health, 1999.

# Ontario Ministry of Health – Planning Regions



# 14 LHINs of Ontario



- 1 Erie St.Clair
- 2 South West
- 3 Waterloo Wellington
- 4 Hamilton Niagara Haldimand Brant
- 5 Central West
- 6 Mississauga Halton
- 7 Toronto Central
- 8 Central
- 9 Central East
- 10 South East
- 11 Champlain
- 12 North Simcoe Muskoka
- 13 North East
- 14 North West

**HINCOME Household Income Before Taxes (past year)**

HINCOME=	DESCRIPTION	CONDITION
1	less than \$20,000	sd10 lt 20 or d10b=1
2	between \$20,000 and \$29,999.99	(sd10 ge 20 and sd10 lt 30) or d10b=2
3	between \$30,000 and \$39,999.99	(sd10 ge 30 and sd10 lt 40) or d10b=3
4	between \$40,000 and \$49,999.99	(sd10 ge 40 and sd10 lt 50) or d10b=4
5	between \$50,000 and \$59,999.99	(sd10 ge 50 and sd10 lt 60) or d10b=5
6	between \$60,000 and \$69,999.99	(sd10 ge 60 and sd10 lt 70) or d10b=6
7	between \$70,000 and \$79,999.99	(sd10 ge 70 and sd10 lt 80) or d10b=7
8	between \$80,000 and \$89,999.99	(sd10 ge 80 and sd10 lt 90) or d10b=8
9	between \$90,000 and \$100,000	(sd10 ge 90 and sd10 lt 100) or d10b=9
10	more than \$100,000	(sd10 ge 100) or d10b=10
98	Don' know	Don' know
99	Refused	Refused

**HINCCAT5 Household Income (5 categories)**

HINCCAT5 =	DESCRIPTION	CONDITION
1	less than \$30,000	(HINCOME le 2)
2	between \$30,000 and \$49,999.99	(HINCOME gt 2 and HINCOME le 4)
3	between \$50,000 and \$79,999.99	(HINCOME gt 4 and HINCOME le 7)
4	more than \$80,000	(HINCOME gt 7 and HINCOME le 10)
5	Not stated (refused or DK)	(HINCOME = 98 or HINCOME = 99)

**Occupation: Item SD7NOCS**

Main occupation codes are based on the *National Occupational Classification for Statistics (NOC-S)*. The NOC is updated in partnership with Statistics Canada according to 5 year Census cycles. It is based on extensive occupational research and consultation conducted across the country, reflecting the evolution of the Canadian labour market.

In a nutshell, the NOC is a tool that is used to classify occupations according to their skill level and skill type. A four-digit code, called the “NOC code”, identifies the occupation. Each digit of this code reflects an important trait of the occupation it represents.

The NOC breaks occupations down into 10 sectors:

0. Management Occupations
1. Business, Finance and Administration Occupations
2. Natural and Applied Sciences and Related Occupations
3. Health Occupations
4. Occupations in Social Science, Education, Government Service and Religion
5. Occupations in Art, Culture, Recreation and Sport
6. Sales and Service Occupations
7. Trades, Transport and Equipment Operators and Related Occupations
8. Occupations unique to Primary Industry
9. Occupations Unique to Processing, Manufacturing and Utilities

See the following website for more information:

<http://www5.hrsdc.gc.ca/NOC/English/NOC/2006/Welcome.aspx>

**Appendix D**  
**WHO - ASSIST**

# A. WHO - ASSIST V3.0

INTERVIEWER ID	<input type="text"/>	COUNTRY	<input type="text"/>	<input type="text"/>	CLINIC	<input type="text"/>
PATIENT ID	<input type="text"/>	DATE	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## INTRODUCTION *(Please read to patient)*

*Thank you for agreeing to take part in this brief interview about alcohol, tobacco products and other drugs. I am going to ask you some questions about your experience of using these substances across your lifetime and in the past three months. These substances can be smoked, swallowed, snorted, inhaled, injected or taken in the form of pills (show drug card).*

*Some of the substances listed may be prescribed by a doctor (like amphetamines, sedatives, pain medications). For this interview, we will **not** record medications that are used **as prescribed** by your doctor. However, if you have taken such medications for reasons **other** than prescription, or taken them more frequently or at higher doses than prescribed, please let me know. While we are also interested in knowing about your use of various illicit drugs, please be assured that information on such use will be treated as strictly confidential.*

**NOTE: BEFORE ASKING QUESTIONS, GIVE ASSIST RESPONSE CARD TO PATIENT**

### Question 1

*(if completing follow-up please cross check the patient's answers with the answers given for Q1 at baseline. Any differences on this question should be queried)*

In your life, which of the following substances have you <u>ever used</u> ? <i>(NON-MEDICAL USE ONLY)</i>	No	Yes
a. Tobacco products (cigarettes, chewing tobacco, cigars, etc.)	0	3
b. Alcoholic beverages (beer, wine, spirits, etc.)	0	3
c. Cannabis (marijuana, pot, grass, hash, etc.)	0	3
d. Cocaine (coke, crack, etc.)	0	3
e. Amphetamine type stimulants (speed, diet pills, ecstasy, etc.)	0	3
f. Inhalants (nitrous, glue, petrol, paint thinner, etc.)	0	3
g. Sedatives or Sleeping Pills (Valium, Serepax, Rohypnol, etc.)	0	3
h. Hallucinogens (LSD, acid, mushrooms, PCP, Special K, etc.)	0	3
i. Opioids (heroin, morphine, methadone, codeine, etc.)	0	3
j. Other - specify:	0	3

Probe if all answers are negative:  
"Not even when you were in school?"

*If "No" to all items, stop interview.*

*If "Yes" to any of these items, ask Question 2 for each substance ever used.*

**Question 2**

In the <u>past three months</u> , how often have you used the substances you mentioned ( <i>FIRST DRUG, SECOND DRUG, ETC</i> )?	Never	Once or Twice	Monthly	Weekly	Daily or Almost Daily
a. Tobacco products (cigarettes, chewing tobacco, cigars, etc.)	0	2	3	4	6
b. Alcoholic beverages (beer, wine, spirits, etc.)	0	2	3	4	6
c. Cannabis (marijuana, pot, grass, hash, etc.)	0	2	3	4	6
d. Cocaine (coke, crack, etc.)	0	2	3	4	6
e. Amphetamine type stimulants (speed, diet pills, ecstasy, etc.)	0	2	3	4	6
f. Inhalants (nitrous, glue, petrol, paint thinner, etc.)	0	2	3	4	6
g. Sedatives or Sleeping Pills (Valium, Serepax, Rohypnol, etc.)	0	2	3	4	6
h. Hallucinogens (LSD, acid, mushrooms, PCP, Special K, etc.)	0	2	3	4	6
i. Opioids (heroin, morphine, methadone, codeine, etc.)	0	2	3	4	6
j. Other - specify:	0	2	3	4	6

***If "Never" to all items in Question 2, skip to Question 6.***

***If any substances in Question 2 were used in the previous three months, continue with Questions 3, 4 & 5 for each substance used.***

**Question 3**

During the <u>past three months</u> , how often have you had a strong desire or urge to use ( <i>FIRST DRUG, SECOND DRUG, ETC</i> )?	Never	Once or Twice	Monthly	Weekly	Daily or Almost Daily
a. Tobacco products (cigarettes, chewing tobacco, cigars, etc.)	0	3	4	5	6
b. Alcoholic beverages (beer, wine, spirits, etc.)	0	3	4	5	6
c. Cannabis (marijuana, pot, grass, hash, etc.)	0	3	4	5	6
d. Cocaine (coke, crack, etc.)	0	3	4	5	6
e. Amphetamine type stimulants (speed, diet pills, ecstasy, etc.)	0	3	4	5	6
f. Inhalants (nitrous, glue, petrol, paint thinner, etc.)	0	3	4	5	6
g. Sedatives or Sleeping Pills (Valium, Serepax, Rohypnol, etc.)	0	3	4	5	6
h. Hallucinogens (LSD, acid, mushrooms, PCP, Special K, etc.)	0	3	4	5	6
i. Opioids (heroin, morphine, methadone, codeine, etc.)	0	3	4	5	6
j. Other - specify:	0	3	4	5	6

Question 4

During the <u>past three months</u> , how often has your use of ( <i>FIRST DRUG, SECOND DRUG, ETC</i> ) led to health, social, legal or financial problems?	Never	Once or Twice	Monthly	Weekly	Daily or Almost Daily
a. Tobacco products (cigarettes, chewing tobacco, cigars, etc.)	0	4	5	6	7
b. Alcoholic beverages (beer, wine, spirits, etc.)	0	4	5	6	7
c. Cannabis (marijuana, pot, grass, hash, etc.)	0	4	5	6	7
d. Cocaine (coke, crack, etc.)	0	4	5	6	7
e. Amphetamine type stimulants (speed, diet pills, ecstasy, etc.)	0	4	5	6	7
f. Inhalants (nitrous, glue, petrol, paint thinner, etc.)	0	4	5	6	7
g. Sedatives or Sleeping Pills (Valium, Serepax, Rohypnol, etc.)	0	4	5	6	7
h. Hallucinogens (LSD, acid, mushrooms, PCP, Special K, etc.)	0	4	5	6	7
i. Opioids (heroin, morphine, methadone, codeine, etc.)	0	4	5	6	7
j. Other - specify:	0	4	5	6	7

Question 5

During the <u>past three months</u> , how often have you failed to do what was normally expected of you because of your use of ( <i>FIRST DRUG, SECOND DRUG, ETC</i> )?	Never	Once or Twice	Monthly	Weekly	Daily or Almost Daily
a. Tobacco products					
b. Alcoholic beverages (beer, wine, spirits, etc.)	0	5	6	7	8
c. Cannabis (marijuana, pot, grass, hash, etc.)	0	5	6	7	8
d. Cocaine (coke, crack, etc.)	0	5	6	7	8
e. Amphetamine type stimulants (speed, diet pills, ecstasy, etc.)	0	5	6	7	8
f. Inhalants (nitrous, glue, petrol, paint thinner, etc.)	0	5	6	7	8
g. Sedatives or Sleeping Pills (Valium, Serepax, Rohypnol, etc.)	0	5	6	7	8
h. Hallucinogens (LSD, acid, mushrooms, PCP, Special K, etc.)	0	5	6	7	8
i. Opioids (heroin, morphine, methadone, codeine, etc.)	0	5	6	7	8
j. Other - specify:	0	5	6	7	8

**Ask Questions 6 & 7 for all substances ever used (i.e. those endorsed in Question 1)**

**Question 6**

Has a friend or relative or anyone else <u>ever</u> expressed concern about your use of <i>(FIRST DRUG, SECOND DRUG, ETC.)?</i>	No, Never	Yes, in the past 3 months	Yes, but not in the past 3 months
a. Tobacco products (cigarettes, chewing tobacco, cigars, etc.)	0	6	3
b. Alcoholic beverages (beer, wine, spirits, etc.)	0	6	3
c. Cannabis (marijuana, pot, grass, hash, etc.)	0	6	3
d. Cocaine (coke, crack, etc.)	0	6	3
e. Amphetamine type stimulants (speed, diet pills, ecstasy, etc.)	0	6	3
f. Inhalants (nitrous, glue, petrol, paint thinner, etc.)	0	6	3
g. Sedatives or Sleeping Pills (Valium, Serepax, Rohypnol, etc.)	0	6	3
h. Hallucinogens (LSD, acid, mushrooms, PCP, Special K, etc.)	0	6	3
i. Opioids (heroin, morphine, methadone, codeine, etc.)	0	6	3
j. Other – specify:	0	6	3

**Question 7**

Have you <u>ever</u> tried and failed to control, cut down or stop using <i>(FIRST DRUG, SECOND DRUG, ETC.)?</i>	No, Never	Yes, in the past 3 months	Yes, but not in the past 3 months
a. Tobacco products (cigarettes, chewing tobacco, cigars, etc.)	0	6	3
b. Alcoholic beverages (beer, wine, spirits, etc.)	0	6	3
c. Cannabis (marijuana, pot, grass, hash, etc.)	0	6	3
d. Cocaine (coke, crack, etc.)	0	6	3
e. Amphetamine type stimulants (speed, diet pills, ecstasy, etc.)	0	6	3
f. Inhalants (nitrous, glue, petrol, paint thinner, etc.)	0	6	3
g. Sedatives or Sleeping Pills (Valium, Serepax, Rohypnol, etc.)	0	6	3
h. Hallucinogens (LSD, acid, mushrooms, PCP, Special K, etc.)	0	6	3
i. Opioids (heroin, morphine, methadone, codeine, etc.)	0	6	3
j. Other – specify:	0	6	3

**Question 8**

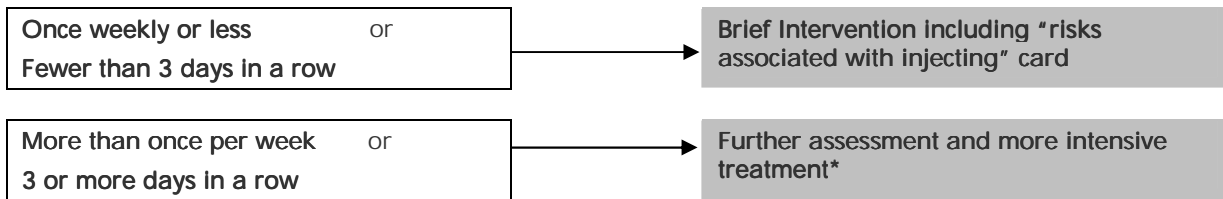
	<b>No, Never</b>	<b>Yes, in the past 3 months</b>	<b>Yes, but not in the past 3 months</b>
<b>Have you <u>ever</u> used any drug by injection? (NON-MEDICAL USE ONLY)</b>	0	2	1

**IMPORTANT NOTE:**

Patients who have injected drugs in the last 3 months should be asked about their pattern of injecting during this period, to determine their risk levels and the best course of intervention.

**PATTERN OF INJECTING**

**INTERVENTION GUIDELINES**



**HOW TO CALCULATE A SPECIFIC SUBSTANCE INVOLVEMENT SCORE.**

For each substance (labelled a. to j.) add up the scores received for questions 2 through 7 inclusive. Do not include the results from either Q1 or Q8 in this score. For example, a score for cannabis would be calculated as: **Q2c + Q3c + Q4c + Q5c + Q6c + Q7c**

Note that Q5 for tobacco is not coded, and is calculated as: **Q2a + Q3a + Q4a + Q6a + Q7a**

**THE TYPE OF INTERVENTION IS DETERMINED BY THE PATIENT’S SPECIFIC SUBSTANCE INVOLVEMENT SCORE**

	<b>Record specific substance score</b>	<b>no intervention</b>	<b>receive brief intervention</b>	<b>more intensive treatment *</b>
a. tobacco		0 - 3	4 - 26	27+
b. alcohol		0 - 10	11 - 26	27+
c. cannabis		0 - 3	4 - 26	27+
d. cocaine		0 - 3	4 - 26	27+
e. amphetamine		0 - 3	4 - 26	27+
f. inhalants		0 - 3	4 - 26	27+
g. sedatives		0 - 3	4 - 26	27+
h. hallucinogens		0 - 3	4 - 26	27+
i. opioids		0 - 3	4 - 26	27+
j. other drugs		0 - 3	4 - 26	27+

**NOTE: \*FURTHER ASSESSMENT AND MORE INTENSIVE TREATMENT may be provided by the health professional(s) within your primary care setting, or, by a specialist drug and alcohol treatment service when available.**

## B. WHO ASSIST V3.0 RESPONSE CARD FOR PATIENTS

### *Response Card - substances*

a. Tobacco products (cigarettes, chewing tobacco, cigars, etc.)
b. Alcoholic beverages (beer, wine, spirits, etc.)
c. Cannabis (marijuana, pot, grass, hash, etc.)
d. Cocaine (coke, crack, etc.)
e. Amphetamine type stimulants (speed, diet pills, ecstasy, etc.)
f. Inhalants (nitrous, glue, petrol, paint thinner, etc.)
g. Sedatives or Sleeping Pills (Valium, Serepax, Rohypnol, etc.)
h. Hallucinogens (LSD, acid, mushrooms, PCP, Special K, etc.)
i. Opioids (heroin, morphine, methadone, codeine, etc.)
j. Other - specify:

---

### *Response Card (ASSIST Questions 2 – 5)*

**Never:** not used in the last 3 months

**Once or twice:** 1 to 2 times in the last 3 months.

**Monthly:** 1 to 3 times in one month.

**Weekly:** 1 to 4 times per week.

**Daily or almost daily:** 5 to 7 days per week.

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### *Response Card (ASSIST Questions 6 to 8)*

No, Never

Yes, but not in the past 3 months

Yes, in the past 3 months

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# C. ALCOHOL, SMOKING AND SUBSTANCE INVOLVEMENT SCREENING TEST (WHO ASSIST V3.0) FEEDBACK REPORT CARD FOR PATIENTS

Name \_\_\_\_\_ Test Date \_\_\_\_\_

## Specific Substance Involvement Scores

Substance	Score	Risk Level
a. Tobacco products		0-3 Low 4-26 Moderate 27+ High
b. Alcoholic Beverages		0-10 Low 11-26 Moderate 27+ High
c. Cannabis		0-3 Low 4-26 Moderate 27+ High
d. Cocaine		0-3 Low 4-26 Moderate 27+ High
e. Amphetamine type stimulants		0-3 Low 4-26 Moderate 27+ High
f. Inhalants		0-3 Low 4-26 Moderate 27+ High
g. Sedatives or Sleeping Pills		0-3 Low 4-26 Moderate 27+ High
h. Hallucinogens		0-3 Low 4-26 Moderate 27+ High
i. Opioids		0-3 Low 4-26 Moderate 27+ High
j. Other - specify		0-3 Low 4-26 Moderate 27+ High

### What do your scores mean?

- Low:** You are at low risk of health and other problems from your current pattern of use.
- Moderate:** You are at risk of health and other problems from your current pattern of substance use.
- High:** You are at high risk of experiencing severe problems (health, social, financial, legal, relationship) as a result of your current pattern of use and are likely to be dependent

**Are you concerned about your substance use?**

<b>a. tobacco</b>	Your risk of experiencing these harms is:.....	Low <input type="checkbox"/>	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
	(tick one)			
<b>Regular tobacco smoking is associated with:</b>				
	Premature aging, wrinkling of the skin			
	Respiratory infections and asthma			
	High blood pressure, diabetes			
	Respiratory infections, allergies and asthma in children of smokers			
	Miscarriage, premature labour and low birth weight babies for pregnant women			
	Kidney disease			
	Chronic obstructive airways disease			
	Heart disease, stroke, vascular disease			
	Cancers			

<b>b. alcohol</b>	Your risk of experiencing these harms is:.....	Low <input type="checkbox"/>	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
	(tick one)			
<b>Regular excessive alcohol use is associated with:</b>				
	Hangovers, aggressive and violent behaviour, accidents and injury			
	Reduced sexual performance, premature ageing			
	Digestive problems, ulcers, inflammation of the pancreas, high blood pressure			
	Anxiety and depression, relationship difficulties, financial and work problems			
	Difficulty remembering things and solving problems			
	Deformities and brain damage in babies of pregnant women			
	Stroke, permanent brain injury, muscle and nerve damage			
	Liver disease, pancreas disease			
	Cancers, suicide			

<b>c. cannabis</b>	Your risk of experiencing these harms is:.....	Low <input type="checkbox"/>	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
	(tick one)			
<b>Regular use of cannabis is associated with:</b>				
	Problems with attention and motivation			
	Anxiety, paranoia, panic, depression			
	Decreased memory and problem solving ability			
	High blood pressure			
	Asthma, bronchitis			
	Psychosis in those with a personal or family history of schizophrenia			
	Heart disease and chronic obstructive airways disease			
	Cancers			

<b>d. cocaine</b>	Your risk of experiencing these harms is:....	Low <input type="checkbox"/>	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
	(tick one)			
<b>Regular use of cocaine is associated with:</b>				
	Difficulty sleeping, heart racing, headaches, weight loss			
	Numbness, tingling, clammy skin, skin scratching or picking			
	Accidents and injury, financial problems			
	Irrational thoughts			
	Mood swings - anxiety, depression, mania			
	Aggression and paranoia			
	Intense craving, stress from the lifestyle			
	Psychosis after repeated use of high doses			
	Sudden death from heart problems			

<b>e. amphetamine type stimulants</b>	Your risk of experiencing these harms is:.....	Low <input type="checkbox"/>	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
	(tick one)			
<b>Regular use of amphetamine type stimulants is associated with:</b>				
	Difficulty sleeping, loss of appetite and weight loss, dehydration			
	jaw clenching, headaches, muscle pain			
	Mood swings -anxiety, depression, agitation, mania, panic, paranoia			
	Tremors, irregular heartbeat, shortness of breath			
	Aggressive and violent behaviour			
	Psychosis after repeated use of high doses			
	Permanent damage to brain cells			
	Liver damage, brain haemorrhage, sudden death (ecstasy) in rare situations			

<b>f. inhalants</b>	Your risk of experiencing these harms is:.....	Low <input type="checkbox"/>	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
	(tick one)			
<b>Regular use of inhalants is associated with:</b>				
	Dizziness and hallucinations, drowsiness, disorientation, blurred vision			
	Flu like symptoms, sinusitis, nosebleeds			
	Indigestion, stomach ulcers			
	Accidents and injury			
	Memory loss, confusion, depression, aggression			
	Coordination difficulties, slowed reactions, hypoxia			
	Delirium, seizures, coma, organ damage (heart, lungs, liver, kidneys)			
	Death from heart failure			

<b>g. sedatives</b>	Your risk of experiencing these harms is:                      Low <input type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> (tick one)
	<b>Regular use of sedatives is associated with:</b>
	Drowsiness, dizziness and confusion
	Difficulty concentrating and remembering things
	Nausea, headaches, unsteady gait
	Sleeping problems
	Anxiety and depression
	Tolerance and dependence after a short period of use.
	Severe withdrawal symptoms
	Overdose and death if used with alcohol, opioids or other depressant drugs.

<b>h. hallucinogens</b>	Your risk of experiencing these harms is:.....                      Low <input type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> (tick one)
	<b>Regular use of hallucinogens is associated with:</b>
	Hallucinations (pleasant or unpleasant) – visual, auditory, tactile, olfactory
	Difficulty sleeping
	Nausea and vomiting
	Increased heart rate and blood pressure
	Mood swings
	Anxiety, panic, paranoia
	Flash-backs
	Increase the effects of mental illnesses such as schizophrenia

<b>i. opioids</b>	Your risk of experiencing these harms is:                      Low <input type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> (tick one)
	<b>Regular use of opioids is associated with:</b>
	Itching, nausea and vomiting
	Drowsiness
	Constipation, tooth decay
	Difficulty concentrating and remembering things
	Reduced sexual desire and sexual performance
	Relationship difficulties
	Financial and work problems, violations of law
	Tolerance and dependence, withdrawal symptoms
	Overdose and death from respiratory failure

## D. RISKS OF INJECTING CARD – INFORMATION FOR PATIENTS

Using substances by injection increases the risk of harm from substance use.

This harm can come from:

- **The substance**
  - If you inject any drug you are more likely to become dependent.
  - If you inject amphetamines or cocaine you are more likely to experience psychosis.
  - If you inject heroin or other sedatives you are more likely to overdose.
- **The injecting behaviour**
  - If you inject you may damage your skin and veins and get infections.
  - You may cause scars, bruises, swelling, abscesses and ulcers.
  - Your veins might collapse.
  - If you inject into the neck you can cause a stroke.
- **Sharing of injecting equipment**
  - If you share injecting equipment (needles & syringes, spoons, filters, etc.) you are more likely to spread blood borne virus infections like Hepatitis B, Hepatitis C and HIV.
- ❖ **It is safer not to inject**
- ❖ **If you do inject:**
  - ✓ always use clean equipment (e.g., needles & syringes, spoons, filters, etc.)
  - ✓ always use a new needle and syringe
  - ✓ don't share equipment with other people
  - ✓ clean the preparation area
  - ✓ clean your hands
  - ✓ clean the injecting site
  - ✓ use a different injecting site each time
  - ✓ inject slowly
  - ✓ put your used needle and syringe in a hard container and dispose of it safely
- ❖ **If you use stimulant drugs like amphetamines or cocaine the following tips will help you reduce your risk of psychosis.**
  - ✓ avoid injecting and smoking
  - ✓ avoid using on a daily basis
- ❖ **If you use depressant drugs like heroin the following tips will help you reduce your risk of overdose.**
  - ✓ avoid using other drugs, especially sedatives or alcohol, on the same day
  - ✓ use a small amount and always have a trial "taste" of a new batch
  - ✓ have someone with you when you are using
  - ✓ avoid injecting in places where no-one can get to you if you do overdose
  - ✓ know the telephone numbers of the ambulance service

## E. TRANSLATION AND ADAPTATION TO LOCAL LANGUAGES AND CULTURE: A RESOURCE FOR CLINICIANS AND RESEARCHERS

The ASSIST instrument, instructions, drug cards, response scales and resource manuals may need to be translated into local languages for use in particular countries or regions. Translation from English should be as direct as possible to maintain the integrity of the tools and documents. However, in some cultural settings and linguistic groups, aspects of the ASSIST and its companion documents may not be able to be translated literally and there may be socio-cultural factors that will need to be taken into account in addition to semantic meaning. In particular, substance names may require adaptation to conform to local conditions, and it is also worth noting that the definition of a standard drink may vary from country to country.

Translation should be undertaken by a bi-lingual translator, preferably a health professional with experience in interviewing. For the ASSIST instrument itself, translations should be reviewed by a bi-lingual expert panel to ensure that the instrument is not ambiguous. Back translation into English should then be carried out by another independent translator whose main language is English to ensure that no meaning has been lost in the translation. This strict translation procedure is critical for the ASSIST instrument to ensure that comparable information is obtained wherever the ASSIST is used across the world.

Translation of this manual and companion documents may also be undertaken if required. These do not need to undergo the full procedure described above, but should include an expert bi-lingual panel.

Before attempting to translate the ASSIST and related documents into other languages, interested individuals should consult with the WHO about the procedures to be followed and the availability of other translations. Write to the Department of Mental Health and Substance Dependence, World Health Organisation, 1211 Geneva 27, Switzerland.