Diagnostic Algorithms for NCS/DSM-III-R Di

NCS Working Paper #7

Shanyang Zhao, Ph.D.
Ronald C. Kessler, Ph.D.
Hans-Ulrich Wittchen, Ph.D.

September, 1994

The authors would like to thank Peggy Price and Charlie Cannell for their help in developing the University of Michigan version of the CIDI (UM-CIDI). Peggy was the NCS Field Coordinator during the developmental phase of the NCS. We profited enormously from her extensive experience as an interviewer and interviewer supervisor and from her boundless energy in going through successive revisions of the instrument. Charlie was our advisor and mentor during the entire process of instrument development. He made us appreciate much more than we had before both the logic and the art of instrument design. He also came up with some of the best ideas in the UM-CIDI. We couldn't have done it without him. Address reprint requests to the NCS Study Coordinator, Room 1006 Institute for Social Research, The University of Michigan, Box 1248, Ann Arbor, MI 48106-1248.
Table of Contents

I. Introduction .................................................. 1

II. Affective Disorders
1. Major Depression ............................................. 4
2. Mania .......................................................... 8
   a. Hypomanic Episodes ........................................ 10
3. Dysthymia ...................................................... 11

III. Anxiety Disorders
1. Generalized Anxiety Disorder ............................... 14
2. Panic Disorder ................................................ 16
   a. Panic Attacks .............................................. 17
   b. Panic Disorder with Agoraphobia ........................ 17
3. Agoraphobia .................................................... 19
   a. Agoraphobia without History of Panic Disorder .......... 20
4. Social Phobia .................................................. 21
5. Simple Phobia .................................................. 23
6. Post-Traumatic Stress Disorder ............................. 25

IV. Substance Use Disorders
1. Substance Abuse .............................................. 27
2. Substance Dependence ....................................... 28

V. Other Disorders
1. Antisocial Personality Disorder ............................ 34
   a. Adult Antisocial Behavior ................................ 34
2. Conduct Disorder ............................................. 35
3. Nonaffective Psychosis ....................................... 36

Appendix A. Computer Program in the NCS/DSM-III-R Diagnoses .... A-1

Appendix B. Variable List ....................................... B-1
SECTION I. INTRODUCTION

This working paper was prepared for those who want to use the UM-CIDI for generating DSM-III-R diagnoses. As described in NCS Working Paper #2, the UM-CIDI is a modification of the World Health Organization Composite International Diagnostic Interview (WHO-CIDI). The UM-CIDI was developed by a team of investigators from the University of Michigan (UM) led by Dr. Ronald Kessler in collaboration with Dr. Hans-Ulrich Wittchen from the Max Planck Institute of Psychiatry in Munich, Germany, for use in the NCS. As a number of other investigators are interested in replicating the NCS in other areas, we are making our diagnostic programs available.

Sections II through V contain verbal presentations of the UM-CIDI programs, complete with commentary about differences between the UM-CIDI and the WHO-CIDI. Appendix A contains the actual SAS computer programs used to derive UM-CIDI diagnoses. In most cases, the DSM-III-R diagnostic criteria operationalized in the NCS are identical to those used in the WHO-CIDI computer diagnostic programs. Special attention has, therefore, been paid to those areas where the UM-CIDI programs do differ from the WHO-CIDI programs.

NCS Diagnostic Computer Programs for Affective and Anxiety Disorders generate the following diagnoses:

1. Major Depressive Episode (dep1, dep2)
2. Manic Episode (man1, man2)
   Hypomania (hman)
3. Dysthymia (dys1, dys2)
4. Generalized Anxiety Disorder (gad1, gad2)
5. Agoraphobia (ago)
6. Simple Phobia (sim)
7. Social Phobia (soc)
8. Panic Disorder (pd)
   Panic Attacks (pt)
9. Post-Traumatic Stress Disorder (ptsd)
10. Anti-Social Personality Disorder (asp)
11. Adult Anti-Social Behavior (aab)
12. Conduct Disorder (cd)

In cases where a hierarchy rule is required for a diagnosis, two sub-types of the diagnosis are given: DX1 refers to the diagnostic outcome prior to applying the hierarchy rule and DX2 refers to the diagnostic outcome after applying the hierarchy rule. It should be mentioned that the SAS programs for PTSD and CD
provided in this package are simplified versions that may require modifications depending on the researcher's substantive interests.

NCS Diagnostic Computer Programs for Substance Abuse/ Dependence Disorders generate the following diagnoses:

1. Substance Abuse/ Dependence:
   Alcohol
   Sedatives
   Tranquilizers
   Stimulants
   Analgesics
   Inhalants
   Marijuana
   Cocaine
   Hallucinogens
   Heroin

2. Nicotine Dependence

Onset (XXXons), recency (XXXrec), onset age (XXXonsa), and recency age (XXXreca) for the above diagnoses are also computed. The four numbers (1 to 4) assigned to onset and recency are defined as:

1= last month
2= last six months
3= last year
4= more than one year ago.

It is recommended that users of this package read Working Paper #2 carefully to acquaint themselves with the differences between the WHO-CIDI and the UM-CIDI. It is a good idea to place the UM-CIDI questionnaires side by side with the WHO-CIDI interviews while reading this document. The next step is to read Section II-V of the current Working Paper, which describe the diagnostic criteria used in the NCS for generating the DSM-III-R diagnoses.

The SAS diagnostic computer programs included in Appendix A of this package shall be examined next -- they are organized into mini-programs, each one specific to a DSM-III-R diagnosis. As these programs were initially written for data analysis in the OSIRIS environment, variable numbers such as v1, v1500, and v1708 were used to refer to the questions asked in the questionnaires. Those who will use SPSS, SAS, or other statistical packages equipped with the capability to refer directly to question numbers (e.g., B6, B7, etc.) may want to modify these programs by changing the variables back to question numbers. This can be done by either changing the variable numbers in the text of the programs or by adding a series of RENAME statements at the beginning of the programs. A complete list of all the variables used in the computer programs is provided in Appendix B along with their corresponding question numbers as they appear in the NCS questionnaires.
It is possible to put all the mini-programs together into a master file and run the entire program in one run given adequate computer resources. In case of a memory problem, the master file needs to be broken into several small programs to be run separately. One thing to remember, however, is that these small programs have to be run in the same sequence as they appear in the master program with the results of the antecedent runs being saved and used in the subsequent runs. The main reason for this requirement is the built-in hierarchical rules of the diagnostic criteria.

Finally, it should be mentioned that in the NCS, Nap50, or Nonaffective Psychosis, was diagnosed on a case by case basis by clinical interviewers who administered the psychosis section of the SCID to all NCS respondents who were positive on Section K of the NCS interview. Nap50 was then used as part of the hierarchy rule in the diagnosis of other disorders. If this variable is not available to you, simply comment it out in the subsequent programs. As the number of NAP cases is typically very small, deletion of this variable will have little impact on the diagnostic outcome in most instances.
SECTION II. AFFECTIVE DISORDERS

1. Criteria for Major Depression

There are four Diagnostic Criteria for Major Depressive Episode (MDE) in DSM-III-R (A-D). In addition, the Diagnosis of a Major Depressive Disorder (MDD) requires that the respondent has never had a Manic Episode or an unequivocal Hypomanic Episode. The hierarchical exclusion of respondents with a history of mania is operationalized in the UM-CIDI merely by excluding respondents from MDD if they ever met UM-CIDI criteria for Manic Episode or Hypomanic Episode. The four criteria for MDE were operationalized as follows:

A. At least five symptoms must be present during the same two-week period and present a change from previous functioning. At least one of these symptoms must be depressed mood or loss of interest. Symptoms clearly due to a physical condition, mood-congruent delusions or hallucinations, incoherence, or marked loosening of associations should not be included.

The UM-CIDI, like the CIDI, does not require respondents to report about a particular two-week period, but rather about a particular episode of depression that could go on for much longer than two weeks. Exclusion for organic causes is made in UM-CIDI at the symptom level for the particular episode probed. This is different from the method used in the CIDI, where exclusion for organic causes is made based on symptom probes prior to focusing on a particular episode. So, for example, a respondent can report that a particular symptom that occurred at various times during his/her life was sometimes due to alcohol but not always. The assumption made in the CIDI is that this symptom, if it was present during the index episode of depression being evaluated, was not due to alcohol this time. This assumption can lead to overestimation of rates of depression. The UM-CIDI corrects this problem by probing for organic exclusions at the episode level.

It should also be noted that DSM-III-R is much more explicit about the persistence of depressive symptoms over a two-week period than the CIDI or UM-CIDI. DSM-III-R states that "The symptoms ... are relatively persistent, that is, they occur for most the day, nearly every day, during at least a two-week period." The CIDI and UM-CIDI questions merely ask about "two weeks or more when nearly every day" the symptoms occurred, without mentioning how long the symptoms had to persist within the day. We have developed a new probe for use in subsequent revisions of the UM-CIDI to ask explicitly about whether they occurred "most of the day" on the days they occurred. This probe was not, however, used in the NCS.

AI. The requirement that one of the five must be depressed mood or loss of interest is operationalized as (depressed) B3=1 or B4=1 or B4a=1 or (loss of interest) D22=1 and D84a19=-1. Note that B3 is the dysthymia stem question, not a stem question for Major Depression. We allow respondents who were positive to B3 but negative to all other stem questions to continue with the section as a way of providing a "second chance" for getting into the stem-branch structure
of the question series. If these people reported enough other symptoms to qualify for Major Depression, they were asked if these symptoms ever clustered in a two-week period. If it did not, they were terminated. In other words, these people were only allowed to continue in the section if they reversed themselves after initial symptom probing to state that they did have a two-week period of being sad, blue, or depressed. As it happened, not a single respondent out of over 8000 met diagnostic criteria for Major Depression via this route. Therefore, in future use of the UM-CIDI we plan to exclude respondents from further questions if they are positive on only the B3 stem question.

An important difference between the UM-CIDI and the CIDI is that the UM-CIDI skips all further symptom questions if the respondent reports "No" to all the A1 stem questions. This is not done in the CIDI, where the respondent is administered all the symptom questions and given a second chance to admit to depressed mood or loss of interest if there are a total of four or more other symptoms that are reported to have clustered in time. Our decision not to provide this second chance in the UM-CIDI is based on the experience of the ECA Study, which found that only a very small number of respondents met diagnostic criteria because of this second chance. There is a considerable cost associated with providing this second chance in that the large number of people who are negative on all the stem questions for Major Depression are nonetheless administered 35 additional symptom questions and, in the method used in the CIDI, probes for each positive response to these questions for organic exclusions. Based on our experience in pilot tests for the NCS, we estimate that these additional questions take an average of approximately ten minutes to administer. We judged this additional time too high a cost in light of the very small number of cases that are added. Another important consideration in coming to the decision to omit this second chance from the UM-CIDI was that we used a procedure of pulling up stem questions to the beginning of the interview and using commitment and motivation probes to increase accuracy of recall. Our pilot study results show that this method -- which included the addition of B3 and B4a as additional stem question "second chance" questions -- led to a much greater increase in the number of respondents who reported Major Depression than the CIDI second chance option.

A2. The count of five symptoms not due to organic causes is operationalized as one or more positive responses to at least one question in at least five of the following nine categories, with the respondent both reporting that the symptom was present during the index episode and also that this symptom was not due to organic causes during this episode:

<table>
<thead>
<tr>
<th>symptoms in worst spell: D81s</th>
<th>not due to organic causes medications: D84s</th>
</tr>
</thead>
<tbody>
<tr>
<td>#2 D22=1 and D81a_19=1</td>
<td>D84a_19=~/=1</td>
</tr>
<tr>
<td>#3 D2=1 and D81a_01=1</td>
<td>D84a_01=~/=1</td>
</tr>
<tr>
<td>D4=1 and D81a_03=1</td>
<td>D84a_03=~/=1</td>
</tr>
<tr>
<td>D6=1 and D81a_04=1</td>
<td>D84a_04=~/=1</td>
</tr>
<tr>
<td>D7=1 and D81a_05=1</td>
<td>D84a_05=~/=1</td>
</tr>
</tbody>
</table>
B. The second criterion is that it cannot be established that an organic factor initiated and maintained the disturbance or that the disturbance is a normal reaction to the death of a loved one. The first of these requirements is fulfilled in the D84 series of organic exclusions. The second is established in questions about the episode being precipitated by the death of a loved one (single episode, D61=5; multiple episode, D70=5 or D70a=1). If the episode is associated with the death of a loved one, the UM-CIDI can still define it as depression if the reactions go beyond the normal bounds of uncomplicated bereavement. The exceeding of these bounds are operationalized as having two or more of the following:

\[ D19=1 \]
\[ D27=1 \]
\[ D43=1 \]
\[ D44=1 \]
\[ D55=1 \]

\[ D63 \text{ (84<=D63a<98 and D63b=1)} \text{ or for single episode} \]
\[ (12<=D63a<98 \text{ and D63b=2)} \text{ or} \]
\[ (3 <=D63a<98 \text{ and D63b=3)} \text{ or} \]
\[ (1 <=D63a<98 \text{ and D63b=4)} \text{ or} \]

\[ D74 \text{ (84<=D74a<98 and D74b=1)} \text{ or for multiple episode} \]
\[ (12<=D74a<98 \text{ and D74b=2)} \text{ or} \]
\[ (3 <=D74a<98 \text{ and D74b=3)} \text{ or} \]
\[ (1 <=D74a<98 \text{ and D74b=4)} \text{ or} \]
C-D. A third criterion is that at no time during the episode were there delusions or hallucinations for as long as two weeks in the absence of prominent mood symptoms, while a fourth criterion is that the episode is not superimposed on Schizophrenia, Schizophreniform Disorder, Delusional Disorder, or Psychotic Disorder NOS. Among the small number of NCS respondents who reported a lifetime history of delusions or hallucinations, these exclusions were operationalized as \((K58=/-2 \text{ AND } K58=/-3 \text{ OR } K59b=/-2 \text{ AND } K59b=/-3) \text{ AND } K59c=/-1\).

It should be noted that DSM-III-R distinguishes between Single Episode Major Depression and Recurrent Major Depression by saying that Recurrent MDD requires a minimum of two episodes separated by at least two months of return to more or less usual functioning. This is operationalized in the UM-CIDI as \(D69b=1\) or \(D69c=1\). (It is further stated that "If there has been a previous Major Depressive Episode, the current episode of depression need not meet the full criteria for a Major Depressive Episode". This statement did not play a part in the UM-CIDI, as only one episode of MDE was probed for meeting full criteria).
2. Criteria for Manic Episode

Manic Episode in DSM-III-R is defined as including criteria A to F which require the presence of an elevated or irritable mood lasting at least two days accompanied with at least three symptoms not caused by organic factors and not superimposed on psychotic disorders but resulting in marked impairment. These criteria were operationalized in the UM-CIDI as follows:

A. A period of at least two days during which the predominant mood is either elevated or irritable:

B6=1 or B7=1.

As in the section on Major Depression, the UM-CIDI diverges from the WHO-CIDI in skipping respondents who fail to endorse one of these diagnostic stem questions. The WHO-CIDI continues with all symptom questions and gives the respondent a second chance to endorse the stems. The rationale for our skipping at this point rather than providing a second chance is the same as for DEP. It should be noted, in addition, that NCS validity studies show that the UM-CIDI diagnoses of mania and hypomania have high rates of false positives, meaning that the screening questions select in too many people rather than too few. Indeed, a good case could be made not to use the screening question about irritability (B7) because it is very rare to find a respondent who fails to endorse the euphoria stem question (B6) but does endorse the irritability stem question (B7) and is validated in SCID reinterviews as a case of either mania or hypomania.

B. During the period of mood disturbance (i.e., the worst spell), at least three of the following seven symptom categories have been present (four are required if the mood is only irritable):

(E15=1 or E15a=5) and

E4=1 and E36_1=1 or E5=1 and E36_2=1
E6=1 and E36_3=1 or E7=1 and E36_4=1
E8=1 and E36_5=1
E9=1 and E36_6=1
E10=1 and E36_7=1
E11=1 and E36_8=1
E12=1 and E36_9=1

C. Mood disturbance is sufficiently severe to cause marked interference in life or result in hospitalization:

E22=1 or E23=1.
D. At no time during the disturbance have there been delusions or hallucinations for as long as two weeks in the absence of prominent mood symptoms:

K59c=1.

E. Mood disturbance does not only co-occur with psychotic disorders:

[(K58=2 and K58=3) or (K59b=2 and K59b=3)] and K59c=1.

F. The disturbance is not initiated and maintained by organic factors such as drugs and alcohol:

1) the mood is not due to organic factors:

E1a=1 or E3a=1

2) and the symptoms are not due to organic factors:

E37a_1=1 or E37a_2=1
E37a_3=1 or E37a_4=1
E37a_5=1
E37a_6=1
E37a_7=1
E37a_8=1
E37a_9=1

Notes:

There are two places where questions are asked about the influence of organic factors on mood disturbance: respondents were first asked whether the specific mood problem and the symptoms they mentioned were solely caused by medications, drugs or alcohol; toward the end of the section on Mania, respondents were asked again about the possibility of their mood disturbance being due to use of drugs and alcohol and, if the answer was positive, respondents were then probed to provide information on which started first and which lasted longer -- the organic factors or the mood disturbance. Those respondents who said their mood problem was caused by organic factors in the first place (E1a=1 or E3a=1) but reversed their answer in the second place (E39=1 or E39a=-2 or E41=1 or E41a=1 or E41b=2) and also had met all other criteria were included as Mania cases under the UM-CIDI. It turns out that there were 7 such cases out of 8098 respondents.
a. Criteria for Hypomanic Episodes

Hypomanic episodes are defined in the UM-CIDI as including those cases that do not make criteria for Manic Episodes due to the lack of marked impairment. In contrast to the WHO-CIDI, minor impairment is required of Hypomanic episodes in the UM-CIDI. Minor impairment is defined as meeting any of the following conditions:

1. tell a doctor about the mood problem | E16=1
2. given any prescription for the mood problem | E17=1
3. advised to see mental health specialist | E18=1
4. saw mental health specialist | E19=1
5. saw other professional about the mood problem | E20=1
6. took medication more than once for the mood problem | E21=1
3. Criteria for Dysthymia

Dysthymia in DSM-III-R is defined as including criteria A to G which require the presence of depressed mood lasting at least two years accompanied with two or more symptoms not caused by organic factors and not superimposed on other affective disorders. These criteria were operationalized in the UM-CIDI as follows:

A. Depressed mood for most of the day, more days than not, for at least two years. We measured the duration of mood at two different places. First, we provided a stem question at the beginning of the survey asking whether the respondent ever had depressed mood lasting two years or more. A positive answer to that question fulfilled criterion A (B3=1). Those who initially said "No" to this question but later reported that the length of their longest episode of depression was two years or more (D63=>2 years or D74=>2 years) were also treated as meeting Criterion A for Dysthymia.

B. & G. Presence of at least two of the following six symptom categories that are not caused by organic factors while depressed:

<table>
<thead>
<tr>
<th>6 categories of symptoms</th>
<th>not due to medications (D84s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>D84_01/=1</td>
</tr>
<tr>
<td>D2 =1</td>
<td>D84_04/=1</td>
</tr>
<tr>
<td>D6 =1</td>
<td></td>
</tr>
<tr>
<td>#2</td>
<td>D84_06/=1</td>
</tr>
<tr>
<td>D9 =1</td>
<td>D84_08/=1</td>
</tr>
<tr>
<td>D11=1</td>
<td>D84_10/=1</td>
</tr>
<tr>
<td>D13=1</td>
<td>D84_12/=1</td>
</tr>
<tr>
<td>D15=1</td>
<td></td>
</tr>
<tr>
<td>#3</td>
<td>D84_13/=1</td>
</tr>
<tr>
<td>D16=1</td>
<td></td>
</tr>
<tr>
<td>#4</td>
<td>D84_31/=1</td>
</tr>
<tr>
<td>D31=1</td>
<td>D84_34/=1</td>
</tr>
<tr>
<td>D32=1</td>
<td></td>
</tr>
<tr>
<td>#5</td>
<td></td>
</tr>
<tr>
<td>D34=1</td>
<td></td>
</tr>
<tr>
<td>D37=1</td>
<td></td>
</tr>
<tr>
<td>#6</td>
<td></td>
</tr>
<tr>
<td>Clb=1</td>
<td></td>
</tr>
</tbody>
</table>

and these symptoms clustered with the depressed mood:

D47=1 or D47a=5.

G. During a two-year period of the disturbance, never without the depressed mood for more than two months at a time:

B3a=1 or D63=> 2 years or D74=> 2 years.
D. No evidence of an unequivocal Major Depressive Episode during the first two years of the disturbance (Note: There may have been a previous Major Depressive Episode, provided there was a full remission before development of the Dysthymia).

If DEP = 1 and any of the following three conditions is met, the case is to be excluded from Dysthymia:

1. Those who were negative on B3a but positive on D63 or D74 (more than 2 years):

\[ B3a^=1 \text{ and D63} \Rightarrow 2 \text{ years (single DEP episode)} \]
\[ B3a^=1 \text{ and D74} \Rightarrow 2 \text{ years (multiple DEP episode)} \]

2. For the remaining single episode DEP cases (D58=1):

\[ (DYSEND \Rightarrow DEPEND \Rightarrow DYSONSA) \text{ or } (DYSEND \Rightarrow DEPNSA \Rightarrow DYSONSA) \]
\[ C3 = 1 \text{ or } 3 \]
\[ C3 = 2 \text{ and } DYSRECA \Leftarrow DEPEND \text{ or } DYSONSA \Leftarrow DYSRECA \text{ or } DYSEND \text{ or } \]
\[ DEPNSA \Leftarrow DYSONSA \text{ and } DEPEND \Rightarrow DYSRECA \]

3. For the remaining multiple-episode DEP cases (D58>1):

\[ DYNSA \Leftarrow (DEPNSA \text{ or DEPRECA} \text{ or D78NSA} \text{ or LONGNSA} \text{ or LONGREC}) \Leftarrow DYSEND \text{ and } C3 = 1 \text{ or } 3 \]
\[ C3 = 2 \text{ and } (D69 = 5 \text{ or } D69a = 5 \text{ or } D69b = 5) \]
\[ D76NSA \Leftarrow DYNSA \text{ and } (D76NSA + 1) \Rightarrow DYSRECA \]
\[ LONGREC \Leftarrow DYNSA \text{ and } D77REC \Rightarrow DYSRECA \text{ or } \]
\[ ((D77-D76)\Leftarrow D74) \text{ and } D76NSA \Leftarrow DYSEND \text{ and } D77RECA \Rightarrow DYSRECA \]

where

- DEPNSA = DEF onset age
- DEPRECA = DEF recency age
- DEPEND = D62 - D62b
- DYNSA = DYS onset age
- DYSRECA = DYS recency age
- DYSEND = DYNSA + 1

\[ D76NSA = D76a \text{ or } D76b \text{ or } D76c \]
\[ LONGNSA = D76NSA + 1 \]
\[
\begin{align*}
D77REC &= \text{R's current age (if } 1 \leq D77 \leq 3) \\
\text{LONGRECA} &= \text{D77REC} - 1 \\
\text{D77RECA} &= \text{R's current age (if } 1 \leq D77 \leq 3) \text{ or } D77a \text{ (if } D77 = 4) \\
\text{D78ONSA} &= \text{D78, D79, D79a-b (onset age of worst episode of DEP)}
\end{align*}
\]

E. Has never had a Manic Episode or an unequivocal Hypomanic Episode:

\[\text{Manic Episode} = /= 1 \text{ and Hypomanic episode} = /= 1.\]

F. The mood disturbance is not superimposed on a chronic psychotic disorder, such as Schizophrenia or Delusional Disorder:

\[\begin{align*}
(K58 = /= 2 \text{ and } K58 = /= 3) \text{ or } \\
(K59b = /= 2 \text{ and } K59b = /= 3) \text{ and } \\
K59c = /= 1.
\end{align*}\]

Notes:

DSM-III-R Criterion D for Dysthymia requires that Dysthymia should not be diagnosed if an unequivocal Major Depressive Episode occurred during the first two years of the dysthymic disturbance. However, there were no direct questions addressing this issue in either the WHO-CIDI or the UM-CIDI. Nonetheless, we attempted to tackle this problem based on the questions we did ask in the UM-CIDI. All the following categories of respondents were treated as failing to meet the D criterion if they ever had a Major Depressive Episode: (1) those who initially gave a negative answer to the B3a stem question but later reversed their answer to a positive one (D63 = > 2 years or D74 = > 2 years); (2) those whose Major Depression either began (age of onset) or ended (recency age) in the first two years of the dysthymic episode; and (3) those whose dysthymic episode was entirely contained in an episode of Major Depression.

In light of the fact that the number of people disqualified for the diagnosis of Dysthymia Disorder due to criterion D was large, we decided to create an additional diagnostic category named Dysthymic Episode which includes cases not fulfilling criterion D.
SECTION III. ANXIETY DISORDERS

1. Criteria for Generalized Anxiety Disorder

Generalized Anxiety Disorder (GAD) in DSM-III-R is defined as including criteria A to E which require at least 6 month duration of excessive worry of multiple life circumstances with 6 or more accompanying autonomic symptoms not attributable to organic factors and not occurring only during the course of a Mood disorder. These criteria were operationalized in the UM-CIDI as follows:

A. Unrealistic or excessive anxiety and worry about two or more life circumstances for a period of six months or longer:

\[ B2b=1 \text{ and } (B101=1 \text{ or } B101a=1) \text{ and } B102=1 \]

However, if the onset of anxiety took place in the past six months (B106=2), yet its recency was not in the last 30-days (B108=1), criterion A is not met.

B. The focus of the anxiety and worry was not about one’s mental and/ or physical conditions such as illness and overweight:

\[ B102a=1 \text{ or } B102c=2 \]

C. The disturbance did not occur only during the course of a Mood Disorder or a psychotic disorder:

1) not during Mood Disorder:

\[ (D89a=/=2 \text{ and } D89a=/=3) \text{ or } (D89b=/=1 \text{ and } D89b=/=3) \text{ or } D94a=5 \text{ or } (D94b=/=2 \text{ and } D94b=/=3) \text{ or } (D94c=/=1 \text{ and } D94c=/=3) \]

2) not during psychotic disorder:

\[ (K56b=/=2 \text{ and } K56b=/=3) \text{ or } K56a=5 \text{ or } (K56c=/=1 \text{ and } K56c=/=3) \]
D. & E. Presence of at least 6 of the following 18 symptom categories when anxious that were not caused by organic factors:

<table>
<thead>
<tr>
<th>categories of anxious symptoms</th>
<th>not due to organic factors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Motor tension:</td>
<td></td>
</tr>
<tr>
<td>B103b=1</td>
<td>B105a_02=*/=1</td>
</tr>
<tr>
<td>B103d=1</td>
<td>B105a_04=*/=1</td>
</tr>
<tr>
<td>B103c=1</td>
<td>B105a_03=*/=1</td>
</tr>
<tr>
<td>B103i=1</td>
<td>B105a_09=*/=1</td>
</tr>
<tr>
<td>2) Autonomic hyperactivity:</td>
<td></td>
</tr>
<tr>
<td>B103h=1</td>
<td>B105a_08=*/=1</td>
</tr>
<tr>
<td>B103g=1</td>
<td>B105a_07=*/=1</td>
</tr>
<tr>
<td>B103j=1 or B103w=1</td>
<td>B105a_10=<em>/=1 or B105a_23=</em>/=1</td>
</tr>
<tr>
<td>B103k=1</td>
<td>B105a_11=*/=1</td>
</tr>
<tr>
<td>B103t=1</td>
<td>B105a_20=*/=1</td>
</tr>
<tr>
<td>B103l=1 or B103q=1</td>
<td>B105a_12=<em>/=1 or B105a_17=</em>/=1</td>
</tr>
<tr>
<td>B103n=1</td>
<td>B105a_14=*/=1</td>
</tr>
<tr>
<td>B103s=1</td>
<td>B105a_19=*/=1</td>
</tr>
<tr>
<td>B103o=1</td>
<td>B105a_15=*/=1</td>
</tr>
<tr>
<td>3) Vigilance or scanning</td>
<td></td>
</tr>
<tr>
<td>B103e=1</td>
<td>B105a_05=*/=1</td>
</tr>
<tr>
<td>B103a=1</td>
<td>B105a_01=*/=1</td>
</tr>
<tr>
<td>B103r=1 or B103m=1</td>
<td>B105a_18=<em>/=1 or B105a_13=</em>/=1</td>
</tr>
<tr>
<td>B103p=1</td>
<td>B105a_16=*/=1</td>
</tr>
<tr>
<td>B103f=1</td>
<td>B105a_06=*/=1</td>
</tr>
</tbody>
</table>

Note:

According to DSM-III-R, symptoms B103g, B103h, B103l, and B103t should not be counted if they occurred only during panic attacks. In the UM-CIDI, however, we didn’t probe for the possible co-occurrence of those particular symptoms with panic attacks. We checked this problem after completion of our data collection (we calculated an upper-bound estimate by deleting all positive answers to the four Panic-related GAD symptoms if their corresponding Panic symptoms were also positive) and found that the impact of this omission on the diagnosis of GAD was very small (only two cases were affected).
2. Criteria for Panic Disorder

Panic Disorder in DSM-III-R is defined as including criteria A to E which require the sudden occurrence of an intense fear frequently repeated within one month's period with at least four fast-developing panic symptoms not attributable to organic factors. These criteria were operationalized in the UM-CIDI as follows:

A. The occurrence of one or more discrete periods of intense fear or discomfort that was unexpected and not triggered by situations in which the person was the focus of others' attention:

   B1=1 and B70=1.

B. The episode of intense fear or discomfort occurred at least four times within one month or was followed by a period of at least one month of persistent fear of having another attack:

   B79=1 or B82=1 or B80=1.

C. At least four of the following 13 categories of symptoms developed during at least one of the attacks:

   1) B71a=1 or B71q=1
   2) B71c=1 or B71g=1
   3) B71b=1
   4) B71i=1
   5) B71h=1
   6) B71f=1
   7) B71o=1 or B71p=1
   8) B71k=1
   9) B71e=1
   10) B71j=1
   11) B71d=1
   12) B71m=1
   13) B71n=1

D. During at least some of the attacks, at least four of the symptoms developed suddenly and increased in intensity within ten minutes of the beginning of the episode:

   B73=1.

E. These panic attacks were not initiated and maintained by an organic factor:

   B93=/=1 and B94=/=1.
In the UM-CIDI we also require that the panic attacks should not occur only in agoraphobic situations: B99c/=5. The rationale is that if the attack always takes place in an agoraphobic situation then that attack is not unexpected and should thus be seen as a manifestation of Agoraphobia rather than Panic Disorder.

a. Criteria for Panic Attacks

Meets criteria A, C, and D for Panic Disorder.

b. Criteria for Panic Disorder with Agoraphobia

A. meets the full criteria for Panic Disorder.

B. Meets the full criteria for Agoraphobia.

Notes:

In the WHO-CIDI, Agoraphobia in this particular situation is defined as B10=1 or B11=1 or B12=1 or B12a=1.

A subsequent validation study of the UM-CIDI panic diagnosis found that a number of cases classified as having panic actually were phobics. The problem seems to be that the exclusion questions in the UM-CIDI are not adequate to sort out people with simple phobias who have panic attacks only in phobic situations (e.g., a person whose attacks only occur when he sees a snake). The exclusion question B70 is inadequate to exclude a person of this type, who recognizes that he is not in real danger.

Based on this validation study result, we returned to the open-ended material in question B70a. The detailed examples collected here do not exist in the WHO-CIDI. A review of these open-ended responses led to the discovery that a number of NCS respondents provided enough data about the situations in which they had attacks to exclude them from panic. One respondent, for example, gave examples and commentary which made it clear that her attacks occur exclusively when she is on elevators. In cases of this sort, we edited out the respondent as not meeting criteria for panic disorder because the attacks were not unexpected.

In future work, we plan to develop more clear exclusion questions of a structured sort, but this was not done in the NCS. New users may want to develop questions of this sort on their own, or adopt our policy of reviewing all open-ended materials to find cases where the attacks appear to be exclusively associated with phobia. As part of our editing, the most difficult cases were
those whose two examples on B70 were of phobic situations, but who did not say explicitly that their attacks occur exclusively in these situations. In cases of this sort, we found it useful to check the age of onset data in the simple phobia section. In many cases we found that onset ages were the same as for panic. For example, one respondent who reported 50 panic attacks and gave two examples that both involved fear of bridges also reported a bridge phobia and reported that the ages of onset and recency of the bridge phobia were the same as the ages of onset and recency of panic. This kind of consistency increases our faith in the decision to exclude this respondent from a diagnosis of panic in favor of a diagnosis of simple phobia.
3. Criteria for Agoraphobia

Agoraphobia is defined in DSM-III-R as follows: "Fear of being in places or situations from which escape might be difficult (or embarrassing) or in which help might not be available in the event of suddenly developing a symptom(s) that could be incapacitating or extremely embarrassing. Examples include: dizziness or falling, depersonalization or derealization, loss of bladder or bowel control, vomiting, or cardiac distress. As a result of this fear, the person either restricts travel or needs a companion when away from home, or else endures agoraphobic situations despite intense anxiety. Common agoraphobic situations include being outside the home alone, being in a crowd or standing in a line, being on a bridge, and traveling in a bus, train, or car."

The above description was operationalized in the UM-CIDI in terms of the following criteria:

A. Experience of at least one of the following five fears:
   - B8a=1
   - B8b=1
   - B8c=1
   - B8d=1
   - B8e=1

B. Fear of either suddenly collapsing or the development of incapacitating/embarrassing symptoms when no help was available or escape was impossible:
   - B12=1 or B12a=1.

C. The above fear produced symptoms of severe anxiety, avoidance, endurance, or impairment:
   - B10=1 or B11=1 or B13=1 or B19=1 or B20=1 or B22=1-3.

In the Simple Phobia section we asked an open-ended question (B49k) about whether respondents ever had any additional unreasonable fears. In coding answers to this question we noticed that some cases that were agoraphobic in nature and among those cases four also met the above criteria B and C. We therefore included those four cases as diagnoses of Agoraphobia.

Note:

In the WHO-CIDI, Agoraphobia was operationalized as Criterion A plus B10=1 or B11=1 or B12=1 or B12a=1 and B13=1 or B19=1 or B20=1 or B22=1.
a. Criteria for Agoraphobia without History of Panic Disorder

   A. Meets the full criteria for Agoraphobia.
   B. Has never met criteria for Panic Disorder.
4. Criteria for Social Phobia

Social Phobia is defined in DSM-III-R as including criteria A to G which require a persistent and excessive fear of social situations, the exposure to which almost invariably provokes an immediate anxiety response and the avoidance of which interferes with daily functioning. These criteria were operationalized in the UM-CIDI as follows:

A. and F. A persistent and excessive/unreasonable fear of one or more of the following social situations in which the person was exposed to possible scrutiny by others and fears that he or she might do something or act in a way that would be humiliating or embarrassing:

1) excessive fear of social situations:
   B29a=1
   B29b=1
   B29c=1
   B29d=1
   B29e=1
   B29f=1

2) persistent fear of social phobic situations:
   B31=1 or B31a=1 (see note 2 below)

B. The above fear was unrelated to other mental health disorders such as Panic Disorder and Parkinson's disease. This criterion was not directly adopted in the UM-CIDI but was partially implied in the questions about the social phobic situations.

C. During some phase of the disturbance, exposure to the specific phobic stimulus (or stimuli) almost invariably provoked an immediate anxiety response:
   B45=1 or B46=1.

D. The phobic situation(s) was avoided or endured with intense anxiety:
   B31a=1 or B38=1-3 or B43=1 or B44=1 or B45=1.

E. The avoidance of the phobic situation interfered with daily functioning or there was marked distress about having the fear:
   B36=1 or B37=1 or B38=1.
Notes:

According to DSM-III-R (Criterion G), when a person is under 18, Social Phobia should not be diagnosed if the person is already diagnosed as having Avoidant Disorder of Childhood or Adolescence. We didn't include this criterion in the UM-CIDI because the focus of our survey was primarily adults.

In the UM-CIDI, the persistence criterion (A/F_2) was made more stringent by imposing the following requirements: (1) B31=1, or (2) B31a=1 and the fear started a year ago and lasted for at least a year, or (3) the fear started in past year or past six months and was still going on in the past month. In the WHO-CIDI, however, the same criterion was operationalized as B31=1 or B31a=1.

Also in the WHO-CIDI, Criterion C didn't include B31a and B38 while Criterion D included B43, B44 and B45.

In the Simple Phobia section we asked an open-ended question (B49k) about whether respondents ever had any additional unreasonable fears. In coding answers to this question we noticed that some fears were social phobic in nature and among those cases five met all the criteria for Social Phobia. We therefore included those five cases as cases of Social Phobia.
5. Criteria for Simple Phobia

Simple Phobia is defined in DSM-III-R as including criteria A to F which require a persistent and excessive fear of a circumscribed object or situation, the exposure to which almost invariably provokes an immediate anxiety response and the avoidance of which interferes with daily functioning. These criteria were operationalized in UM-CIDI as follows:

A. and E. A persistent and excessive/unreasonable fear of one or more of the following circumscribed objects or situations:

1) excessive fear of circumscribed objects or situations:
   
   B49a=1
   B49b=1
   B49c=1
   B49d=1
   B49e=1
   B49g=1
   B49h=1
   B49i=1
   B49j=1
   B49k=1

2) persistent fear of circumscribed objects or situations:
   
   B5l=1 or B5la=1 (see note 1 below)

B. During some phase of the disturbance, exposure to the specific phobic stimulus (or stimuli) almost invariably provoked an immediate anxiety response:

   B65=1.

C. The phobic object or situation was avoided or endured with intense anxiety:

   B51a=1 or B58=1-3 or B63=1 or B64=1 or B65=1.

D. The fear or the avoidant behavior interfered with daily functioning or there is marked distress about having the fear:

   B56=1 or B57=1 or B58=1.

F. The above fear was unrelated to the content of the obsessions of Obsessive Compulsive Disorder or the Trauma of Post-traumatic Stress Disorder. This criterion was not directly used in the UM-CIDI.
Notes:

1. In the UM-CIDI, the persistence criterion (A/F_2) was made more strigent by imposing the following requirements: (a) B51=1, or (b) B51a=1 and the fear started a year ago and lasted for at least a year, or (c) the fear started in past year or past six months and was still going on in the past month. In the WHO-CIDI, however, the same criterion was operationalized as B51=1 or B51a=1.

2. Also in the WHO-CIDI, Criterion C didn’t include B51a and B58 while Criterion C included B63 and B64.

3. In this section we asked an open-ended question (B49k) about whether respondents ever had any additional unreasonable fears. Ten cases were added to the diagnosis of Simple Phobia, for they not only had a fear that was of Simple Phobia in nature but also met all the other criteria for Social Phobia.
6. Criteria for Post-Traumatic Stress Disorder

Post-Traumatic Stress Disorder (PTSD) is defined in DSM-III-R as including Criteria A to E which require the development of a set of anxiety symptoms following a psychologically distressing event that is outside the range of usual human experience. These criteria were operationalized in the UM-CIDI as follows:

A. Experience of any of the following events that are outside the range of usual human experience and that would be markedly distressing to almost anyone:

U1=1  U7=1
U2=1  U8=1
U3=1  U9=1
U4=1  U10=1
U5=1  U11=1
U6=1  U12=1

It is worth noting that the UM-CIDI assessed these traumas in a respondent booklet that made it possible to ask about potentially embarrassing events such as rape or sexual assault without ever using the words "rape" or "sexual assault." The use of an explicit list and the respondent booklet method of administration diverge from the procedure first adopted in the Diagnostic Interview Schedule (from which these questions are adopted) to elicit information about lifetime traumas in a single open-ended question.

B. The traumatic event is persistently re-experienced in at least one of the following ways:

U16=1
U17=1
U18=1
U19=1

C. Persistent avoidance of stimuli associated with the trauma or numbing of general responsiveness (not present before the trauma), as indicated by at least three of the following:

U21=1  U25=1
U22=1  U26=1
U23=1  U27=1
U24=1
D. Persistent symptoms of increased arousal (not present before the trauma), as indicated by at least two of the following:

U29=1
U30=1
U31=1
U32=1
U33=1
U34=1

E. Duration of the disturbance for at least one month: U37→ 1 month.
SECTION IV. SUBSTANCE USE DISORDERS

1. Criteria for Substance Abuse

Substance (drugs and alcohol) Abuse is defined in DSM-III-R as either continued use of the psychoactive substance despite knowledge of its adverse effect on health and social functioning or recurrent use of the substance in situations when use is physically hazardous. This diagnosis is made only when the criteria for dependence for that particular class of substance have never been met. These criteria were operationalized in the UM-CIDI as follows:

The presence of any one of the following symptoms which indicate either continued use of the substance despite knowledge of having a persistent/recurrent social, occupational, psychological, or physical problem that is caused or exacerbated by use of the psychoactive substance or recurrent use in situations in which use is physically hazardous (e.g., driving while intoxicated):

G32a=1 + recoding:2s or G32e=1
G33a=1 + recoding:2s
G34a=1 often
G36a=1 often
G37a=1 + recoding:2s or G41a=1
G38a=1 + recoding:2s

The duration criterion -- continued use or recurrent use -- is either built into the original questions by emphasizing the phrase "often" or recoded in the diagnostic program as symptoms lasting at least one year (recording procedures are specified in Attachment I).

Although DSM-III-R requires that a respondent not have a diagnosis of Abuse once he or she meets the requirements for Dependence, it is possible for an individual to have a lifetime diagnosis of Abuse prior to the age of first becoming Dependent. In order to capture this information, our program diagnoses Abuse for all respondents irrespective of their meeting criteria for Dependence. Among people who have a lifetime history of both disorders, their diagnosis would have been Abuse up to the age of onset of Dependence and Dependence thereafter. Consistent with previous research, the NCS results show that Dependence typically occurs at a later age than Abuse and that the vast majority of persons with lifetime Dependence also meet criteria for Abuse.

* "2s" refers to recoding methods 2_(1), 2_(2)_a, and 2_(2)_b.
2. Criteria for Substance Dependence

Substance (drugs and alcohol) Dependence is defined in DSM-III-R as including criteria A and B which require the presence of the physiologic symptoms of tolerance and withdrawal and continued use of the substance despite adverse consequences. These criteria were operationalized in the UM-CIDI as follows:

A. Presence of at least three of the following nine characteristic symptoms of dependence:

#1 \[ G47a=1 \]
\[ G48a=1 \]

#2 \[ G42a=1 \]
\[ G43a=1 \]
\[ G44a=1 \]

#3 \[ G46a=1 \]

#4 \[ G30a=1 \]
\[ G31a=1 \]
\[ G34a=1 \]

#5 \[ G52a=1 \]

#6 \[ G32a=1 + recoding:2s \] or \[ G32e=1 \]
\[ G33a=1 + recoding:2s \]
\[ G36a (G35a)=1 \]
\[ G37a=1 + recoding:2s \] or \[ G41a=1 \]
\[ G38a=1 + recoding:2s \]

#7 \[ G49a=1 \]

#8 \[ G50a=1 \]

#9 \[ G51a=1 \]
\( \text{(missing } b, c, d) \)*

B. Presence of at least two of the following symptoms that have either occurred very often or persisted for at least one year:

#1 \[ G47a=1 \]
\[ G48a=1 \]
\[ \text{often} \]
\[ \text{often} \]

#2 \[ G42a=1 \]
\[ G43a=1 \]
\[ G44a=1 \]
\[ \text{recoding:}(2)s \]
\[ \text{recoding:}(2)s \]
\[ \text{recoding:}(2)s \]
#3 G46a=1        often
#4 G30a=1        often
    G31a=1        often
    G34a=1        often
#5 G52a=1        recoding:(2)s
#6 G36a (G35a)=1  often
    G32a=1 + recoding:2s or G32e=1
    G33a=1 + recoding:2s
    G37a=1 + recoding:2s or G41a=1
    G38a=1 + recoding:2s
#7 G49a=1        recoding:(2)s
#8 G50a=1        recoding:(2)s
#9 G51a=1        none
    (missing b, c, d) *

* Criterion 9 was not evaluated for twelve month diagnoses in the NCS. It is, however, possible to use the information in G50b-d to substitute the missing G51b-d when the respondent has answered Yes to both G50a and G51a. We leave this to the discretion of the users.

** "2s" refers to recoding methods 2_(1), 2_(2)_a, and 2_(2)_b and "(2)s" refers to recoding methods 2_(2)_a and 2_(2)_b.
Attachment I. Recoding Procedures for Both Abuse and Dependence Disorders

1. Some items automatically qualify for the duration criterion and they are indicated by the word "often".

2. Other items need to be recoded to meet this criterion and they are indicated by the word "recoding." The aim of recoding is to determine whether substance use ever lasted a year or more. Two types of recoding methods are specified here:

(1) the criterion is met if the recency of the problem is last year (Gxxc <= 3) and the age of recency, which in this case is R's current age, is larger than the age of onset:

\[ Gxxc = 4 \text{ and } \text{Current age} > Gxxb \] or

if the recency of the problem is a year ago (Gxxc=4) and the age of recency (Gxxd) is larger than the age of onset (Gxxb):

\[ Gxxc = 1-3 \text{ and } Gxxd > Gxxb \]

(2) _a for drug dependence (G1-G9): this criterion is met if the recency of use is last year (Gxd <= 3) and the age of recency of use, which in this case is R's current age, is larger than the age of the onset of the problem (Gxxb):

\[ Gxd = 4 \text{ and } \text{Current age} > Gxxb \] or

if the recency of use is more than a year ago (Gxd=4) and the age of recency of use (Gxf) is larger than the age of the onset of the problem (Gxxb):

\[ Gxd = 1-3 \text{ and } Gxf > Gxxb \]

(3) _b for alcohol dependence (F1-F15): this criterion is met if R had 12 or more drinks in the past year (F5-F8) and R's current age is larger than the age of the onset of the problem (Gxxb):  

\[ F5 = A-G \text{ or} \]
\[ F6 = A-H \text{ or} \]
\[ F7 = A-F \text{ or} \]
\[ F8 = A-D \]
if less than 12 drinks in the past year and the age of most excessive use (F11) is larger than the age of the onset of the problem (Gxxb):

\[ F5-F8 < 12 \text{ and } F11 > Gxxb \]

* for all recodings Gxxa has to be checked as Yes.
Attachment II. Criteria For Tobacco Dependence: A Supplement:

There is no DSM-III-R diagnosis of Tobacco Abuse, but there is a diagnosis of Tobacco (Nicotine) Dependence. The criteria were operationalized in the UM-CIDI as follows:

A. Presence of at least three of the following six characteristic symptoms of dependence:

#1 CC13=1
#2 CC12=1
   CC14=1
#3 CC15=1
#4 CC10=1
   CC11=1
   CC9=1
#5 CC8=1
#6 CC8c=1

B. Presence of at least two of the following symptoms that have either occurred very often or persisted for at least one year:

#1 CC13=1          often
#2 CC12=1          CC12a=1
   CC14=1          *
#3 CC15=1          CC15a=1
#4 CC10=1          CC10a=1
   CC11=1          CC11a=1
   CC9=1           *
#5 CC8=1           CC8a=>30 or CC8b=1
#6 CC8c=1          CC7=>2

* We have no direct information on the duration of symptoms for CC14 and CC9. Respondents were coded as meeting criterion B if they have met criterion A and CC7=>2.
It should be noted that Tobacco Dependence was not included in the original NCS interview schedule, but was added in the second half of the study in response to a request from NIMH program staff. Therefore, information about age of onset and quantity and frequency of use is less detailed for tobacco than for the other drugs. New users of the instrument may want to include more detailed questions about quantity, frequency, and timing of use.
SECTION V. OTHER DISORDERS

1. Criteria for Antisocial Personality Disorder

Antisocial Personality Disorder (ASP) is defined in DSM-III-R as including Criteria A to D which require a pattern of irresponsible and antisocial behavior beginning in childhood or early adolescence and continuing into adulthood. These criteria were operationalized in the UM-CIDI as follows:

A. Current age is at least 18 years old: V12=>18.

B. Evidence of Conduct Disorder with onset before age 15, as indicated by a history of three or more of the behavior listed in H1-H7 and H9-H12: H14=>3.

C. A pattern of irresponsible and antisocial behavior since the age of 15, as indicated by at least four of the behaviors listed in H17-H25 and C_9: (H26+ C_9)=>4. On the list of Criterion C for ASP in DSM-III-R is an item (C_9) that requires the absence of "a totally monogamous relationship for more than one year." This question was asked in the Marriage section in Part II of the NCS survey and operationalized here as (M3=5 or M41=5) or ((M9=5 and M14=5 and (M12-M7<=2)).

D. Occurrence of antisocial behavior was not exclusively during the course of Schizophrenia or Manic Episodes: H29a=/=1.

a. Criteria for Adult Antisocial Behavior

Adult Antisocial Behavior (AAB) is defined in DSM-III-R as a persistent pattern of criminal or other aggressive / antisocial behavior in people who do not meet the full criteria for Antisocial Personality Disorder and whose antisocial behavior cannot be attributed to any other mental disorder. This diagnosis was operationalized in the UM-CIDI as meeting ASP criteria A and C.
2. Criteria for Conduct Disorder

Conduct Disorder is defined in DSM-III-R as a persistent pattern of conduct in which the basic rights of others and major age-appropriate societal norms or rules are violated. This diagnosis is made only for people under age 18. For the diagnosis of lifetime Conduct Disorder, the age criterion was dropped in the UM-CIDI: H14→3.
3. Nonaffective Psychosis (NAP)

The NCS assessed NAP using clinical reinterviews rather than the questions included in the CIDI. The reasons for this were (i) that the ECA Study, which used very similar questions to these in the CIDI to assess NAP, obtained diagnoses with extremely low positive predictive value, and (ii) our own experience training lay interviewers in this section for the NCS pilot studies verified that these interviewers have great difficulty making the judgments required for valid diagnosis.

Therefore, modified versions of the CIDI NAP symptom questions were used as first-stage screens for psychosis in the NCS, followed by clinical reinterviews to diagnose NAP. The latter interviews were carried out under the direct supervision of Jamie Abelson, MSW and under the clinical supervision of Kenneth Kendler, MD. A separate report by Kendler et al. describes the procedures and results of the clinical reinterview study for NAP.
Appendix A

Diagnostic Algorithms for NCS/DSM-III-R Disorders

NCS Working Paper #7
NCS Diagnostic Computer Programs For

DSM-III-R

Affective/ Anxiety/ Substance Abuse and Dependenc Disorders

March 1994
NAP50 was diagnosed on a case by case basis by experts in the NCS study. This variable was subsequently used in the diagnosis of some other disorders. If this diagnosis is not available to you, simply delete this variable in the following programs. Since the number of NAP50 cases is typically very small, deletion of this variable will make little impact on the diagnostic outcome in most cases.

A: Persistent Mood - Elevated or Irritable
F: not due to medication;

if (v312 eq 1 and v1604 ne 1) then elevate=1;
if (v312 eq 1 and v1604 eq 1) then elevate=5;
if (elevate ne 1 and v313 eq 1 and v1607 ne 1) then irritab=1;
if (elevate ne 1 and v313 eq 1 and v1607 eq 1) then irritab=5;

BF: Symptoms in Worst Spell not due to Medication;

if v1608 eq 1 and v7302 eq 1 and v7312 ne 1 then x1=1;
if v1610 eq 1 and v7303 eq 1 and v7313 ne 1 then x2=1;
if v1611 eq 1 and v7304 eq 1 and v7314 ne 1 then x3=1;
if v1612 eq 1 and v7305 eq 1 and v7315 ne 1 then x4=1;
if x1 eq 1 or x2 eq 1 then x5=1;
if x3 eq 1 or x4 eq 1 then x6=1;
if v1613 eq 1 and v7306 eq 1 and v7316 ne 1 then x7=1;
if v1614 eq 1 and v7307 eq 1 and v7317 ne 1 then x8=1;
if v1615 eq 1 and v7308 eq 1 and v7318 ne 1 then x9=1;
if v1617 eq 1 and v7309 eq 1 and v7319 ne 1 then x10=1;
if v1618 eq 1 and v7310 eq 1 and v7320 ne 1 then x11=1;
if elevate eq 1 and sum(of x5--x11) > 2 then xel=1;
if elevate eq 1 and sum(of x5--x11) <=2 then xel=5;
if irritab eq 1 and sum(of x5--x11) > 3 then xbl=1;
if irritab eq 1 and sum(of x5--x11) <=3 then xbl=5;
if elevate eq 5 and sum(of x5--x11) > 2 then xelm=1;
if irritab eq 5 and sum(of x5--x11) > 3 then xblm=1;
if xel=1 or xbl=1 then ABF1=1;

****************************************************************************************************;
*** add comorbidity items;

if (xelm=1 or xblm=1) and (v1622=1 or v1623=5) and ((v1749 ^=1 or v1750 ^=2) or (v1753 ^=1 or v1754 ^=1 or v1755 ^=2)) then ABF2=1;

****************************************************************************************************;
*** C1: Functional Impairment for Mania
C2: Functional Impairment for Hypomania;

if (v1636=1 or v1637=1) then C=1;

****************************************************************************************************;
*** DE: no overlap with schizophrenia;

if v4338=1 and ((v4337=2 or v4337=3) and (v4340=2 and v4340=3)) or v4341=1 and nap50=1 then DE=1;

****************************************************************************************************;
*** make diagnoses;
if (ABF1=1 or ABF2=1) and C=1 then man1=1; else man1=0;
label man1= ' manic episode w/o hierarchy';

if man1=1 and DE^=1 then man2=1; else man2=0;
label man2= ' manic episode w hierarchy';

if (ABF1=1 or ABF2=1) and man1^=1 then hman=1; else hman=0;
label hman= ' hypomanic w/o hierarchy';

*****************************************************************************
*** Onset, Recency;

if v1640=1 then tmanons=1;
else if v1640=2 then tmanons=2;
else if v1640=3 then tmanons=3;
else if v1640=4 then tmanons=4;
else tmanons=.;

if (1 <= v1640 <= 3) then tmanonsa=v12;
else if v1640=4 and (1 <= v1642 <= 54) then tmanonsa=v1642;
else if v1640=4 and (1 <= v1643 <= 54) then tmanonsa=v1643;
else tmanonsa=.;

if v1640=1 or v1644=1 then tmanrec=1;
else if v1644=2 then tmanrec=2;
else if v1644=3 then tmanrec=3;
else if v1644=4 then tmanrec=4;
else tmanrec=.;

if v1640=1 or (1 <= v1644 <= 3) then tmanreca=v12;
else if v1644=4 and (1 <= v1645 <= 54) then tmanreca=v1645;
else tmanreca=.;

if man1=1 then do;

manons=tmanons; manonsa=tmanonsa;
manrec=tmanrec; manreca=tmanreca; end;

if hman=1 then do;
hmanons=tmanons; hmanonsa=tmanonsa;
hmanrec=tmanrec; hmanrea=tmanrea; end;

***********;
* 3. Major Depressive Episode: Dep1, Dep2 *
*;
***********;

A1=0; A2=0; B=0; CD=0;

*** A_1: depressed for at least 2 weeks;

if v306=1 or v308=1 or v309=1 then ds9=1;
if v1121=1 and v1419=1 and v1519 ^=1 then ds8=1;
if ds8=1 or ds9=1 then A1=1;

***********;
*** A_2: five or more depressive symptoms including ds8 & ds9;

if v1101=1 and v1401=1 and v1501 ^=1 then sx1=1;
if v1103=1 and v1403=1 and v1503 ^=1 then sx2=1;
if v1105=1 and v1404=1 and v1504 ^=1 then sx3=1;
if v1106=1 and v1405=1 and v1505 ^=1 then sx4=1;

if v1108=1 and v1406=1 and v1506 ^=1 then sx5=1;
if v1110=1 and v1408=1 and v1508 ^=1 then sx6=1;
if v1112=1 and v1410=1 and v1510 ^=1 then sx7=1;
if v1114=1 and v1412=1 and v1512 ^=1 then sx8=1;
if v1115=1 and v1413=1 and v1513 ^=1 then sx9=1;
if v1118=1 and v1416=1 and v1516 ^=1 then sx10=1;
if v1120=1 and v1418=1 and v1518 ^=1 then sx11=1;
if v1126=1 and v1424=1 then sx12=1;
if v1129=1 and v1427=1 then sx13=1;
if v1133=1 and v1431=1 and v1531 ^=1 then sx14=1;
if v1135=1 and v1433=1 and v1533 ^=1 then sx15=1;
if v1136=1 and v1434=1 and v1534 ^=1 then sx16=1;
if v1141=1 and v1436=1 then sx17=1;
if v1142=1 and v1437=1 then sx18=1;
if v1143=1 and v1438=1 then sx19=1;
if v1144=1 and v1439=1 then sx20=1;

if sx1=1 or sx2=1 or sx3=1 or sx4=1 then ds1=1;
if sx5=1 or sx6=1 or sx7=1 or sx8=1 then ds2=1;
if sx9=1 then ds3=1;
if sx10=1 or sx11=1 then ds4=1;
if sx12=1 or sx13=1 then ds5=1;
if sx14=1 or sx15=1 or sx16=1 then ds6=1;
if sx17=1 or sx18=1 or sx19=1 or sx20=1 then ds7=1;

sxdep=sum(ds1,ds2,ds3,ds4,ds5,ds6,ds7,ds8,ds9);
if sxdep=>5 then A2=1;

******************************************************************************
*** B: not due to Bereavement;

if v1235=1 and (v1234 =>84 and v1234<=95) then len1=1;
if v1235=2 and (v1234 =>12 and v1234<=95) then len1=2;
if v1235=3 and (v1234 =>3 and v1234<=95) then len1=3;
if v1235=4 and (v1234 =>1 and v1234<=95) then len1=4;

if v1341=1 and (v1340 =>84 and v1340<=95) then len2=1;
if v1341=2 and (v1340 =>12 and v1340<=95) then len2=2;
if v1341=3 and (v1340 =>3 and v1340<=95) then len2=3;
if v1341=4 and (v1340 =>1 and v1340<=95) then len2=4;

D63=0; D74=0; D19=0; D27=0; D43=0; D44=0; D55=0;

if len1=1 or len1=2 or len1=3 or len1=4 then D63=1;
if len2=1 or len2=2 or len2=3 or len2=4 then D74=1;
if v1416=1 then D19=1;
if v1424=1 then D27=1;
if v1438=1 then D43=1;
if v1439=1 then D44=1;
if v1220=1 then D55=1;
count=sum(of D63 D74 D19 D27 D43 D44 D55);

if v1228=>5 or (v1305=5 or v1306=1) then death1=1;
if count => 2 then death2=1;
if death1=1 or death2=1 then B=1;

******************************************************************************;
*** C: never had mania or hypomania;
*** D: not due to schizophrenia;

if man1=1 or hman=1 then ddrop1=1;

if (((v4337=2 or v4337=3) and (v4340=2 or v4340=3)) or
v4341=1) and nap50=1 then ddrop2=1;

if ddrop1=1 or ddrop2=1 then CD=1;

******************************************************************************;
*** make diagnoses;

if A1=1 and A2=1 and B=1 then dep1=1; else dep1=0;
label dep1='MDE w/o hierarchy';

if dep1=1 and CD=1 then dep2=1; else dep2=0;
label dep2='MDE w hierarchy';

******************************************************************************;
*** Onset, Recency;

if dep1=1 then do;
  if v1225=1 or v1236=1 then depons=1;
  else if v1225=2 or v1236=2 then depons=2;
  else if v1225=3 or v1236=3 then depons=3;
  else if v1225=4 or v1236=4 then depons=4;
  else depons=.

if (1 <= v1225 <=3) then deponsa=v12;
else if v1225=4 and (1 <= v1227 <=54) then deponsa=v1227;
else if (1 <= v1236 <=3) then deponsa=v12;
else if v1236=4 and (1 <= v1238 <=54) then deponsa=v1238;
else if v1236=4 and (1 <= v1239 <=54) then deponsa=v1239;
else deponsa=.

if (1 <= v1231 <=3) or v1230=2 then depreca=v12;
else if (1 <= v1233 <=54) then depreca=v1233;
else if (1 <= v1240 <=3) then depreca=v12;
else if v1240=4 and (1 <= v1241 <= 54) then depreca=v1241;
else
depreca=.;

    if v1231=1 or v1230=2 or depons=1 or v1240=1 then deprec=1;
else if v1231=2 or v1240=2 then deprec=2;
else if v1231=3 or v1240=3 then deprec=3;
else if v1231=4 or v1240=4 then deprec=4;
else
deprec=.;

end;

******************************************************************************;
*
*   4. Dysthymia: Dys1, Dys2
*;
*;
******************************************************************************;

A=0; BG=0; C=0; DE=0;

*** A: depressed for at least two years;

if (((24 <= v1234 < 98) and v1235=3) or
    ((2 <= v1234 < 98) and v1235=4) then leng1=1;
if (((24 <= v1340 < 98) and v1341=3) or
    ((2 <= v1340 < 98) and v1341=4) then leng2=1;
if v306=1 or leng1=1 or leng2=1 then A=1;

******************************************************************************;
*** BG: two or more depressive symptoms not due to medication;

if v1101=1 and v1501 ^=1 then d2=1;
if v1105=1 and v1504 ^=1 then d6=1;

if v1108=1 and v1506 ^=1 then d9=1;
if v1110=1 and v1508 ^=1 then d11=1;
if v1112=1 and v1510 ^=1 then d13=1;
if v1114=1 and v1512 ^=1 then d15=1;

if v1115=1 and v1513 ^=1 then d16=1;

if v1133=1 and v1531 ^=1 then d34=1;
if v1136=1 and v1534 ^=1 then d37=1;
if d2=1 or d6=1 then b1=1;
if d9=1 or d11=1 or d13=1 or d15=1 then b2=1;
if d16=1 then b3=1;
if v1130=1 or v1131=1 then b4=1;
if d34=1 or d37=1 then b5=1;
if v1004=1 then b6=1;
sxdys=sum(of b1--b6);
if sxdys=>2 and (v1205=1 or v1206=5) then BG=1;

*****************************************************************************;
*** C: depressed w/o two months interruption;

if v307=1 or leng1=1 or leng2=1 then C=1;

*****************************************************************************;
*** DE: hierarchy rules;

if man1=1 or hman=1 then sdop1=1;
if (((v4337=2 or v4337=3) and (v4340=2 or v4340=3))
or v4341=1) and nap50=1 then sdop2=1;
if sdop1=1 or sdop2=1 then DE=1;

*****************************************************************************;
*** make diagnoses;

if A=1 and BG=1 and C=1 then dys1=1; else dys1=0;
label dys1= 'dysthymia w/o hierarchy';

*** if you don't like the UM recoding, use the following lines;
* if dys1=1 and DE^=1 then dys2=1; * else dys2=1;
* label dys2= 'dysthymia w hierarchy';

*****************************************************************************;
*** Onset, Recency;

if dys1=1 then do;
    dysons=4;

if v1007=1 and 1<=v1008<=54 then dysonsa=v1008;
else if 1<=v1009<=54 then dysonsa=v1009;
else if 1<=v1008<=54 then dysonsa=v1008;
else if v1343=1 and 1<=v1344<=54 then dysonsa=v1344;
else if 1<=v1345<=54 then dysonsa=v1345;
else if 1<=v1344<=54 then dysonsa=v1344;
else if 1<=v1227<=54 then dysonsa=v1227;
else
dysonsa=.;

if 1<=v1015<=4 then dysrec=v1015;
else if 1<=v1231<=4 then dysrec=v1231;
else if v1230=2 then dysrec=1;
else if 1<=v1346<=4 then dysrec=v1346;
else dysrec=.;

if 1<=v1015<=3 then dysreca=v12;
else if v1015=4 and 1<=v1016<=54 then dysreca=v1016;
else if 1<=v1346<=3 then dysreca=v12;
else if v1346=4 and 1<=v1347<=54 then dysreca=v1347;
else if v1230=2 then dysreca=v12;
else if 1<=v1231<=3 then dysreca=v12;
else if 1<=v1233<=54 then dysreca=v1233;
else dysreca=.;
end;

*************** DYSDEP ***************;

* The aim of this addition is to create a variable called Dysdep that includes all the dysthymic cases overlapping with Major Depressive Episode in the first two years since onset. These cases should then be used in Criterion D to be excluded from the diagnosis of Dysthymia with hierarchy. ;

*** excluding 105+188 cases due to overlaps with dep1;

*** 1) B3a=No and mood was more than 2 yrs;

if len1=1 and v307=<1 and dep1=1 then B3Aout1=1;
if len2=1 and v307=<1 and dep1=1 then B3Aout2=1;

*** 2) single episode mde ****************************;

dysend=dysonsa + 1;
if (v1230=2 or 1<=v1231<4) then depend=v12; else if v1231=4 and 1<=v1233<=55 then depend=v1233;
if (dyend=>depend=>dysonsa) or (dyend=>deponsa=>dysonsa) then oversnl=1;
if oversnl=1 and (v1010=1 or v1010=3) and dep1=1
    then sinout1=1;
if oversnl=1 and v1010=2 and (dysreca<=depend or
  (dysonsa<=dysreca<=dyend)) and dep1=1
    then sinout2=1;
if deponsa<=dysonsa and depend=>dysreca and sinout1^=1 and
  sinout2^=1 and B3Aout1^=1 and dep1=1 then sinout3=1;

*** 3) multiple episode mde ****************************;

if v1343=1 and 1<=v1344<=55 then D76onsa=v1344;else if v1343=5
  and 1<=v1345<=55 then D76onsa=v1345;
  longonsa=(D76onsa + 1);
if 1<=v1348<=55 then D78onsa=v1348;else if v1348=95 and
  1<=v1350<=55 then D78onsa=v1350;
if 1<=v1340<98 then long=v1340;
if v1341=2 then do; longdep=long/52; end;
else if v1341=3 then do; longdep=long/12; end;
else if v1341=4 then    longdep=long;

if ((24<=v1011<98) and v1012=3) or
  ((24<=v1011<98) and v1012=4) then yr2=1;
if ((60<=v1013<98) and v1014=1) or
  ((8 <=v1013<98) and v1014=2) or
  ((2 <=v1013<98) and v1014=3) or
  ((1 <=v1013<98) and v1014=4) then mth2=1;
if 1<=v1346<=3 then D77rec=v12;
longrec=(D77rec - 1);
D76len=(D77rec - D76onsa);
if 1<=v1346<=3 then D77reca=v12;
else if V1346=4 and 1<=v1347<=55 then D77reca=v1347;

if (dysonsa < deponsa <= dyend) or
  (dysonsa < depreca <= dyend) or
  (dysonsa < D78onsa <= dyend) or
  (dysonsa < longonsa <= dyend) or
  (dysonsa < longrec <= dyend) then overmul=1;

if overmul=1 and v1010=1 and dep1=1    then mulout1=1;
if overmul=1 and v1010=2 and (v1301=5 or v1302=5 or v1303=5)
and dep1=1  then mulout2=1;
if D76onsa<=dysonsa  and longonsa=>dysreca and dep1=1
    then mulout3=1;
if longrec<=dysonsa  and D77rec=>dysreca and dep1=1
    then mulout4=1;
if (D76len<=longdep) and D76onsa<=dysend and D77reca=>dysreca
    and dep1=1  then mulout5=1;

******************************************************************************;

if B3Aout1=1 or sinout1=1 or  sinout2=1 or sinout3=1 or
B3Aout2=1 or mulout1=1 or  mulout2=1 or mulout3=1 or
mulout4=1 or mulout5=1 then dysdep=1; else dysdep=0;

******************************************************************************;

if dys1=1 and DE^=1 and dysdep^=1 then dys2=1; else dys2=0;
label dys2= 'dysthymia w hierarchy';

******************************************************************************;
*  *
5. GAD: gad1, gad2 *
*  *
******************************************************************************;

A=0; B=0; C=0; DE=0;

*** A: excessive worry for 6 months;

if v305=1 then month1=1;
if v304=1 and  v303=>180  then mth1=1;
if v304=2 and (24<=v303<=95) then mth2=1;
if v304=3 and (6  <=v303<=95) then mth3=1;
if v304=4 and (1  <=v303<=95) then mth4=1;
if (v303=98 or v303=99) and v305=1 then mth5=1;
if mth1=1 or mth2=1 or mth3=1 or mth4=1 or mth5=1 then month6=1;
if v803=1 or v804=1 then worry=1;
if v805=1  then thing2=1;
if month6=1 and worry=1 and thing2=1 then A=1;
B: worry unrelated to one's physical conditions;

if v806=1 or v807=2 then B=1;

C: worry not during mood or psychotic disorder;

if v1546=1 and ((v1547=2 or v1547=3) and (v1548=1 or v1548=3))
or (v1556=1 and v1557=1 and ((v1558=2 or v1558=3) and
(v1559=1 or v1559=3))) then gaddep=1; else gaddep=0;
if gaddep=1 and dep1=1 then gdrop1=1; else gdrop1=0;
if v4331=1 and ((v4332=2 or v4332=3) and (v4333=1 or v4333=3))
and nap50=1 then gdrop2=1; else gdrop2=0;
if gdrop1=1 or gdrop2=1 then C=1;

DE: 6 or more anxiety symptoms not due to organic factors;

array s[23] v808-v830;
array p[23] v902-v924;
do i=1 to 23;
if s[i]=1 and p[i]<>1 then s[i]=1; else s[i]=0;
end; drop i;
if v817=1 or v830=1 then set1=1; else set1=0;
if v820=1 or v825=1 then set2=1; else set2=0;
if v819=1 or v824=1 then set3=1; else set3=0;

array h[18] set1 set2 set3 v808-v816 v818 v821-v823 v826-v827;
count=0;
do i=1 to 18;
if h[i]=1 then count=count+1;
end; drop i;
if count=>6 then DE=1;

exclude those with onset & recency inconsistency;
if v925=2 and v929^=1 then gdrop=1;

******************************************************************************;
*** make diagnoses;
if A=1 and B=1 and DE=1 and gdrop^=1 then gadl=1; else gadl=0;
label gadl= 'gad w/o hierarchy';

if gadl=1 and C^=1 then gad2=1; else gad2=0;
label gad2= 'gad w hierarchy';

******************************************************************************;
*** Onset, Recency;
if gadl=1 then do;

    if v926=0 and (1<=v925<=3) then gadonsa=v12;
else if v925=4 and v926=1 and (1<=v927<=56) then gadonsa=v927;
else if v925=4 and (1<=v928<=56) then gadonsa=v928;
else if v925=4 and (1<=v927<=56) then gadonsa=v927;
else gadonsa=.;

    if (2<=v925<=4) then gadons=v925;
else if gadonsa lt v12 then gadons=4;
else gadons=.;

    if (1<=v929<=3) or v925=1 then gadrec=v12;
else if v929=4 and (1<=v930<=55) then gadrec=v930;
else gadrec=.;

    if v925=1 and v929=0 then gadrec=1;
else if (1<=v929<=4) then gadrec=v929;
else gadrec=.;

end;

******************************************************************************;
*  
*  6. Agoraphobia: ago  
*  
******************************************************************************;
A=0; B=0; C=0;
*** A: experienced at least one fear;

if v320=1 then A=1;

******************************************************************************
*** B: fear of collapsing and incapacitating symptoms;

if v323=1 or v324=1 then B=1;

******************************************************************************
*** C: symptoms of severe anxiety, avoidance, endurance;

if v321=1 or v322=1 or v325=1 or v334=1 or v335=1 or (v337 in (1,2,3)) then C=1;

******************************************************************************
*** make diagnosis;

if A=1 and B=1 and C=1 then ago=1; else ago=0;
label ago='agoraphobia';

******************************************************************************
*** Onset, Recency;

if ago=1 then do;

if v340=0 and (1<=v339<=3) then agonsa=v12;
else if v339=4 and v340=1 and (1<=v341<=56) then agonsa=v341;
else if v339=4 and (1<=v342<=56) then agonsa=v342;
else if v339=4 and (1<=v341<=56) then agonsa=v341;
else agona=.;

if (1<=v339<=4) then agons=v339;
else if agonsa lt v12 then agons=4;
else agons=.;

if v339=1 or (1<=v343<=3) then agreca=v12;
else if v343=4 and (1<=v344<=55) then agreca=v344;
else agreca=.;
if v339=1 and v343=0 then agrec=1;
else if (1<=v343<=4) then agrec=v343;
else
    agrec=.;
end;

******************************************************************************
* *
*  7. Simple Phobia: sim *
* *
******************************************************************************

AE=0; B=0; C=0; D=0;

*** A & E: persistent fear of a circumscribed stimulus;
if v511=1 and (v512=1 or v513=1) then AE=1;

******************************************************************************
*** B: immediate anxiety response upon exposure;
if v533=1 then B=1;

******************************************************************************
*** C: avoidance or endurance;
if v513=1 or v523 in (1,2,3) or v531=1 or v532=1 or v533=1 then C=1;

******************************************************************************
*** D: functional impairment;
if v521=1 or v522=1 or v523=1 then D=1;

******************************************************************************
*** make diagnosis;
if AE=1 and B=1 and C=1 and D=1 then sim=1; else sim=0;
label sim= 'simple phobia';

******************************************************************************;
*** Onset, Recency;
if sim=1 then do;
   if (1<=v525<=4) then simons=v525;
   else
      if v526=1 and 1<=v527<=54 then simonsa=v527;
      else if 1<=v528<=54 then simonsa=v528;
      else if 1<=v525<=3 then simonsa=v12;
      else simonsa=.;
      if v525=1
      else if (1<=v529<=4) then simrec=1;
      else
         if 1<=v529<=3 then simrec=v12;
         else if 1<=v530<=54 then simrec=v530;
         else simrec=.;
end;

******************************************************************************;
* 8. Social Phobia: soc *

AF=0; C=0; D=0; E=0;

*** A & F: persistent fear of social phobic situations;
if v407=1 and (v408=1 or v409=1) then AF=1;

******************************************************************************;
*** C: immediate anxiety response upon exposure;
if v429=1 or v430=1 then C=1;
*** D: avoidance or endurance;

if v409=1 or v419 in (1,2,3) or v427=1 or v428=1 or v429=1 then D=1;

*** E: functional impairment;

if v417=1 or v418=1 or v419=1 then E=1;

*** make diagnosis;

if AF=1 and C=1 and D=1 and E=1 then soc=1; else soc=0;
label soc= 'social phobia';

*** Onset, Recency;

if soc=1 then do;
    if (1<=v421<=4) then socons=v421;
    else socons=.;

    if v422=1 and 1<=v423<=54 then soconsa=v423;
    else if 1<=v424<=54 then soconsa=v424;
    else if 1<=v423<=54 then soconsa=v423;
    else if 1<=v421<=3 then soconsa=v12;
    else soconsa=.;

    if v421=1 then socrec=1;
    else if (1<=v425<=4) then socrec=v425;
    else socrec=.;

    if 1<=socrec<=3 then socreca=v12;
    else if 1<=v426<=54 then socreca=v426;
    else socreca=.;
end;
A=0; B=0; C=0; D=0; E=0;

*** A: sudden episode of intense fear;

if v301=1 and v609=1 then A=1;

*** B: frequency of attacks;

if ((v701 eq 1) or (v638 eq 1) or (v642 eq 1)) then B=1;

*** C: four or more panic symptoms;

if ((v610 eq 1) or (v626 eq 1)) then pa1=1;
if ((v612 eq 1) or (v616 eq 1)) then pa2=1;
if ((v624 eq 1) or (v625 eq 1)) then pa3=1;

array y{13} pa1-pa3 v611; v613-v615 v617-v620 v622-v623;
nom4=0; do i=1 to 13;
   if y{i}=1 then nom4=nom4+1;
end;

if nom4=>4 then C=1;

*** D: intensity of attacks;

if v629=1 then D=1;

*** E: not due to physical injury or organic factors;
if v718^=1 and v719^=1 then E=1;

******************************************************************************;
**** exclude those always occurred in agoraphobic situations;

if (v732=1 or v733=1) and v734=5 then agout=1;

******************************************************************************;
*** make diagnoses;

if A=1 and B=1 and C=1 and D=1 and E=1 and agout^=1 then pd=1; else pd=0;
label pd= 'panic disorder';

if A=1 and C and D=1 then pt=1; else pt=0;
label pt= 'panic attacks';

******************************************************************************;
*** Onset, Recency;

if pt=1 then do;
    if v630=1 then ptons=1;
    else if v630=2 then ptons=2;
    else if v630=3 then ptons=3;
    else if v630=4 then ptons=4;
    else ptons=.

    if (1 <= v630 <= 3) then ptonsa=v12;
    else if v630=4 and (1 <= v632 <= 54) then ptonsa=v632;
    else if v630=4 and (1 <= v633 <= 54) then ptonsa=v633;
    else ptonsa=.

    if v630=1 or v634=1 then ptrec=1;
    else if v634=2 then ptrec=2;
    else if v634=3 then ptrec=3;
    else if v634=4 then ptrec=4;
    else ptrec=.

    if v630=1 or (1 <= v634 <= 3) then ptreca=v12;
    else if v634=4 and (1 <= v635 <= 54) then ptreca=v635;
else
ptreca=.;
end;

if pd=1 then do;

   if v638=1 and v639=1 and (1 <= v640 <= 54) then pdonsa=v640;
   else if v638=1 and v639=5 and (1 <= v641 <= 54) then pdonsa=v641;
   else if v642=1 and v643=1 and (1 <= v644 <= 54) then pdonsa=v644;
   else if v642=1 and v643=5 and (1 <= v645 <= 54) then pdonsa=v645;

   if pttons=1 and pd=1 then pdons=1;
   else if pttons=2 and pd=1 then pdons=2;
   else if pttons=3 and pd=1 then pdons=3;
   else if pttons=4 and pd=1 and pdonsa=v12 then pdons=3;
   else if pttons=4 and pd=1 and pdonsa<v12 then pdons=4;

pdrec =ptrec;

ptreca=ptreca;
end.

*********************************************************************************************;
*                                               *
*                10. Post-Traumatic Stress Disorder: ptsd          *
*                                               *
*********************************************************************************************;

A=0; B=0; C=0; D=0; E=0;

*** A: experiencing a trauma;
if v6101=1 or v6102=1 or v6104=1 or v6109=1 or v6114=1 or v6126=1 or v6138=1 or v6143=1 or v6144=1 or v6145=1 or v6201=1 or v6209=1 then A=1;

*********************************************************************************************;
*** B: re-experiencing the trauma;
if v6217=1 or v6218=1 or v6219=1 or v6220=1 then B=1;

*********************************************************************************************;
*** C: three or more avoidance reactions;
array x[7] v6222-v6228;
count1=0; do i=1 to 7;
if x{i}=1 then count1=count1+1; end; drop i;
if count1=>3 then C=1;

****************************************************************************
*** D: two or more arousal symptoms;
array z{6} v6231-v6236;
count2=0; do i=1 to 6;
if z{i}=1 then count2=count2+1; end; drop i;
if count2=>2 then D=1;

****************************************************************************
*** E: duration of at least one month;
if (v6242=1 and v6241=>30 and v6241<=96) or (v6242=2 and v6241=>4 and v6241<=96) or
   (v6242=3 and v6241=>1 and v6241<=96) or (v6242=4 and v6241=>1 and v6241<=96) or v6241=96
then E=1;

****************************************************************************
*** make diagnoses;
if A=1 and B=1 and C=1 and D=1 and E=1 then ptsd=1; else ptsd=0; label
ptsd= 'post-traumatic disorder';

****************************************************************************
* 
* 11. Anti-social Personality Disorder: aspl, asp2 *
* 
****************************************************************************

len=v4516-v4509;
*** code item C_9: stable relations;
if v4503=5 or v4628=5 then sr1=5;
if v4513=5 and len<=2 and v4519=5 then sr2=5;

if sr1=5 or sr2=5 then sr=5; else sr=1;

if v3807=99 then v3807=.;

subtot=v3807;
if sr=1 then aspc=subtot;
* add sr to criterion C;
if sr=5 then aspc=subtot+1;

if v3812^=1 or (v3812=1 and nap50^=1 and Man1^=1 and hman^=1)
then mood=1; else mood=0;
*** make diagnoses;

if v3803=99 then v3803=.;

if v12=>18 and v3803=>3 and aspc=>4 then asp1=1; else asp1=0;
label asp1= 'asp w/o hierarchy';

if v12=>18 and v3803=>3 and aspc=>4
   and mood=1 then asp2=1; else asp2=0;
label asp2= 'asp w hierarchy';

******************************************************************************;
*                      *;
*   12. Adult Anti-social Behavior: aab                      *;
*                      *;
******************************************************************************;

if v12=>18 and aspc=>4 then aab=1; else aab=0;
label aab= 'adult anti-social behavior';

******************************************************************************;
*                      *;
*   13. Conduct Disorder: cd                      *;
*                      *;
******************************************************************************;

if v3803=>3 then cd=1; else cd=0;
label cd= 'conduct disorder';

******************************************************************************;
******************************************************************************;
*                      *;
*   14. Substance Abuse and Dependence Disorders                      *;
*                      *;
******************************************************************************;
/*
Overview of 6 drug programs:

(1) command file DRUG1.SAS creates the following variables:
    DLIFxxx: DEPENDENCE, LIFETIME

(2) command file DRUG2.SAS creates the following variables:
    DLOAxxx: DEPENDENCE, LIFETIME, ONSET AGE

(3) command file DRUG3.SAS creates the following variables:
    (** denotes: "Full Dependence Criteria Not Required")
    ** DIpxxx: Dependence- Ever had at least 1 problem
    ** DIPOAxxx: Dependence first Problem Onset Age
    ** DPREcxxx: Dependence problem, RECENCY
    ** DPRAxxxx: Dependence problem, RECENCY AGE
    DF1Yxxxx: DEPENDENCE, FULL criteria in PAST 12 MONTHS (Y/N)
    DF1Mxxxx: DEPENDENCE, FULL criteria in PAST MONTH

(4) command file DRUG4.SAS creates the following variables:
    ALIFxxx: ABUSE, LIFETIME
    ALOAxxxx: ABUSE, LIFETIME, ONSET AGE
    ** APREcxxx: ABUSE, PROBLEM, RECENCY
    ** APRAGxx: ABUSE, PROBLEM, RECENCY AGE
    ASRECxxx: ABUSE, SYMPTOM RECENCY
    ASRAxxx: ABUSE, SYMPTOM RECENCY AGE
    AFIYxxxx: ABUSE, FULL criteria in PAST 12 MONTHS (Y/N)
    AFIxxxx: ABUSE, FULL criteria in PAST MONTH

(5) command file TOBACCO.SAS creates the following variables:
    RCUSETOby: recency of use, tobacco
    DLIFTOby: dependence lifetime tobacco
    DLOATOby: dependence lifetime ONSET AGE
    DIPTOB: ever had at least 1 problem with tobacco
    DIPOATOby: dependence first problem ONSET AGE
    DPRECTOB: dependence problem RECENCY
    DPRACTOB: dependence problem RECENCY AGE
    DF1YTOB: dependence full criteria in past year
    DF1MTOB: dependence full criteria in past 1 month

(6) command file DRUG5.SAS creates ANY CONTROLLED SUBSTANCE vars:
    DLIFCON: Dep Lifetime any controlled substance (exclude alc and tob)
    DLOACON: Dep lifetime any controlled substance onset age
    ** DIPOACON: Dep first prob onset age any controlled substance
** DPRECON: Dep problem recency any controlled substance
** DPRAGCON: Dep problem recency age any controlled substance
   ALIFCON: Abuse lifetime any controlled sub (exclud alc and tobacco)
   ALOACON: Abuse lifetime onset age any controlled substance
** APRECON: Abuse Problem Recency any controlled substance
** APRAGCON: Abuse Problem recency age any controlled substance

*****************************************************************************

Note: Before writing programs in this section, we need to clean the data so that a respondent won’t have valid information on the onset/recency of a symptom (Cxxb-d) unless the symptom has been endorsed (Cxxa=1). Otherwise, we need to modify the following types of conditional statements whenever they occur:

   e.g., IF G32ATRQ=1 AND
   ((1<=G32CTRQ<=3) AND (CRTAGE>G32BTRQ)) OR
   ((G32CTRQ=4) AND (1<=DB32TRQ<=54))
   THEN TRQ32A6=1

which should be changed to

   IF G32ATRQ=1 AND
   (((1<=G32CTRQ<=3) AND (CRTAGE>G32BTRQ)) OR
   ((G32CTRQ=4) AND (1<=DB32TRQ<=54)))
   THEN TRQ32A6=1

The third parenthesis is added to make sure that all those who have met the duration criterion also met the symptom criterion.
* setting all zero and >= 96 to new code 999 (to eliminate problems with missing data in age comparisons) and assigning names to variable numbers*

```
array miss(*) v1801-v3757;
do i=1 to dim(miss);
   if miss(i)=0 or miss(i)=. or miss(i) >= 96 then miss(i)=999;
end;
drop i;
crtage=v12;
/* vars for use with abuse of alcohol (drinks in past year)*/
f5=v1805; f6=v1806; f7=v1807; f8=v1808;
/* vars for later use with past year dependence*/
g1d=v1822; g2d=v1830; g3d=v1838; g4d=v1846; g5d=v1904; g6d=v1910; g7d=v1916; g8d=v1922; g9d=v1928;
/* REGENCY OF USE (sedative thru heroin)*/
rcusesed=v1822; rcusetrq=v1830; rcusesti=v1838; rcuseags=v1846; rcuseinh=v1904; rcusemar=v1910; rcusecoc=v1916; rcusehal=v1922; rcuseher=v1928;
/* vars holding "age first use"*/
agefsed=v1820;
ageftrq=v1828;
agefsiti=v1836;
agefasg=v1844;
agefinh=v1902;
agefmar=v1908;
agefcoc=v1914;
agefhal=v1920;
agefher=v1926;
g30aalc=v2002; g31aalc=v2102; g32aalc=v2202;
g33aalc=v2302; g34aalc=v2402; g36aalc=v2502;
g37aalc=v2602; g38aalc=v2702; g41aalc=v2802;
g42aalc=v2902; g43aalc=v3002; g44aalc=v3102;
g46aalc=v3202; g47aalc=v3302; g48aalc=v3402;
g49aalc=v3502; g50aalc=v3602; g51aalc=v3643;
g52aalc=v3702;
g50balc=v2003; g30calc=v2004; g30dalv=v2005;
g31balc=v2103; g31calc=v2104; g31dalv=v2105;
g32balc=v2203; g32calc=v2204; g32dalv=v2205; g32ealc=v2206;
g33balc=v2303; g33calc=v2304; g33dalv=v2305;
g34balc=v2403; g34calc=v2404; g34dalv=v2405;
g36balc=v2503;
g37balc=v2603; g37calc=v2604; g37dalv=v2605;
g38balc=v2703; g38calc=v2704; g38dalv=v2705;
```
g41balc=v2803; g41calc=v2804; g41dalc=v2805;
g42balc=v2903; g42calc=v2904; g42dalc=v2905;
g43balc=v3003; g43calc=v3004; g43dalc=v3005;
g44balc=v3103; g44calc=v3104; g44dalc=v3105;
g46balc=v3203; g46calc=v3204; g46dalc=v3205;
g47balc=v3303; g47calc=v3304; g47dalc=v3305;
g48balc=v3403; g48calc=v3404; g48dalc=v3405;
g49balc=v3503; g49calc=v3504; g49dalc=v3505;
g50balc=v3603; g50calc=v3604; g50dalc=v3605;
/* note: there is only g51a. the b, c, d were omitted*/
g52balc=v3703; g52calc=v3704; g52dalc=v3705;
g30ased=v2006; g31ased=v2106; g32ased=v2207;
g33ased=v2306; g34ased=v2406; g36ased=v2504;
g37ased=v2606; g38ased=v2706; g41ased=v2806;
g42ased=v2906; g43ased=v3006; g44ased=v3106;
g46ased=v3206; g47ased=v3306; g48ased=v3406;
g49ased=v3506; g50ased=v3606; g51ased=v3644;
g52ased=v3706;
g30b sede=v2007; g30csed=v2008; g30d sede=v2009;
g31b sede=v2107; g31csed=v2108; g31d sede=v2109;
g32b sede=v2208; g32csed=v2209; g32d sede=v2210; g32esed=v2211;
glf=v1824;
g33b sede=v2307; g33csed=v2308; g33d sede=v2309;
g34b sede=v2407; g34csed=v2408; g34d sede=v2409;
g36b sede=v2505;
g37b sede=v2607; g37csed=v2608; g37d sede=v2609;
g38b sede=v2707; g38csed=v2708; g38d sede=v2709;
g41b sede=v2807; g41csed=v2808; g41d sede=v2809;
g42b sede=v2907; g42csed=v2908; g42d sede=v2909;
g43b sede=v3007; g43csed=v3008; g43d sede=v3009;
g44b sede=v3107; g44csed=v3108; g44d sede=v3109;
g46b sede=v3207; g46csed=v3208; g46d sede=v3209;
g47b sede=v3307; g47csed=v3308; g47d sede=v3309;
g48b sede=v3407; g48csed=v3408; g48d sede=v3409;
g49b sede=v3507; g49csed=v3508; g49d sede=v3509;
g50b sede=v3607; g50csed=v3608; g50d sede=v3609;
g52b sede=v3707; g52csed=v3708; g52d sede=v3709;
g30atrq=v2010; g31atrq=v2110; g32atrq=v2212;
g33atrq=v2310; g34atrq=v2410; g36atrq=v2506;
g37atrq=v2610; g38atrq=v2710; g41atrq=v2810;
g42atrq=v2910; g43atrq=v3010; g44atrq=v3110;
g46atrq=v3210; g47atrq=v3310; g48atrq=v3410;
g49atrq=v3510; g50atrq=v3610; g51atrq=v3645;
g52atrq=v3710;
g30btrq=v2011; g30ctrq=v2012; g30dtrq=v2013;
g31btrq=v2111; g31ctrq=v2112; g31dtrq=v2113;
g32btrq=v2213; g32ctrq=v2214; g32dtrq=v2215; g32etrq=v2216;
g2f=v1832;
g33btrq=v2311; g33ctrq=v2312; g33dtrq=v2313;
g34btrq=v2411; g34ctrq=v2412; g34dtrq=v2413;
g36btrq=v2507;
g37btrq=v2611; g37ctrq=v2612; g37dtrq=v2613;
g38bags=v2719; g38cags=v2720; g38dags=v2721;
g41bags=v2819; g41cags=v2820; g41dags=v2821;
g42bags=v2919; g42cags=v2920; g42dags=v2921;
g43bags=v3019; g43cags=v3020; g43dags=v3021;
g44bags=v3119; g44cags=v3120; g44dags=v3121;
g46bags=v3219; g46cags=v3220; g46dags=v3221;
g47bags=v3319; g47cags=v3320; g47dags=v3321;
g48bags=v3419; g48cags=v3420; g48dags=v3421;
g49bags=v3519; g49cags=v3520; g49dags=v3521;
g50bags=v3619; g50cags=v3620; g50dags=v3621;
g52bags=v3719; g52cags=v3720; g52dags=v3721;
g30ainh=v2022; g31ainh=v2122; g32ainh=v2227;
g33ainh=v2322; g34ainh=v2422; g36ainh=v2512;
g37ainh=v2622; g38ainh=v2722; g41ainh=v2822;
g42ainh=v2922; g43ainh=v3022; g44ainh=v3122;
g46ainh=v3222; g47ainh=v3322; g48ainh=v3422;
g49ainh=v3522; g50ainh=v3622; g51ainh=v3648;
g52ainh=v3722;
g30binh=v2019; g30cinh=v2020; g30dinh=v2021;
g31binh=v2119; g31cinh=v2120; g31dinh=v2121;
g32binh=v2228; g32cinh=v2229; g32dinh=v2230; g32einh=v2231;
g5f=v1906;
g33binh=v2323; g33cinh=v2324; g33dinh=v2325;
g34binh=v2423; g34cinh=v2424; g34dinh=v2425;
g36binh=v2513;
g37binh=v2623; g37cinh=v2624; g37dinh=v2625;
g38binh=v2723; g38cinh=v2724; g38dinh=v2725;
g41binh=v2823; g41cinh=v2824; g41dinh=v2825;
g42binh=v2923; g42cinh=v2924; g42dinh=v2925;
g43binh=v3023; g43cinh=v3024; g43dinh=v3025;
g44binh=v3123; g44cinh=v3124; g44dinh=v3125;
g46binh=v3223; g46cinh=v3224; g46dinh=v3225;
g47binh=v3323; g47cinh=v3324; g47dinh=v3325;
g48binh=v3423; g48cinh=v3424; g48dinh=v3425;
g49binh=v3523; g49cinh=v3524; g49dinh=v3525;
g50binh=v3623; g50cinh=v3624; g50dinh=v3625;
g52binh=v3723; g52cinh=v3724; g52dinh=v3725;
g30amar=v2026; g31amar=v2126; g32amar=v2232;
g33amar=v2326; g34amar=v2426; g36amar=v2514;
g37amar=v2626; g38amar=v2726; g41amar=v2826;
g42amar=v2926; g43amar=v3026; g44amar=v3126;
g46amar=v3226; g47amar=v3326; g48amar=v3426;
g49amar=v3526; g50amar=v3626; g51amar=v3649;
g52amar=v3726;
g30mar=v2027; g30cmar=v2028; g30dmar=v2029;
g31mar=v2127; g31cmar=v2128; g31dmar=v2129;
g32mar=v2233; g32cmar=v2234; g32dmar=v2235; g32emar=v2236;
g6f=v1912;
g33bmar=v2327; g33cmar=v2328; g33dmar=v2329;
g34bmar=v2427; g34cmar=v2428; g34dmar=v2429;
g36bmar=v2515;
g37bmar=v2627; g37cmar=v2628; g37dmar=v2629;
1. DRUG1.SAS
   CRITERIA FOR SUBSTANCE DEPENDENCE

   A. Criterion A: Symptoms of dependence
      At least 3 of A1 - A9
      (no exception for marijuana and hallucinogens)
      A1. often take larger amounts than intended G47a or G48a=YES
      A2. persistent desire or efforts to cut down G42a, G43a, or G44a=YES
      A3. a lot of time spent to get substance G46a=YES
      A4. frequent intoxication or use is hazardous G30a, G31a, or G34a=YES
      A5. activities given up G52a=YES
      A6. continued use despite negative effects G32a=YES plus additional comparisons of
          (1) age of recency of problem with age of onset of problem
          (2) age of recency of use with age of onset of use
          (3) (for Alcohol only) 12+ drinks/yr and current age > age of onset of problem
          OR
          < 12 drinks/yr and age recent use > age onset of problem
          G33a=YES plus additional comparisons (same as G32a)
          G36a=YES
          G37a=YES plus additional comparisons (same as G32a)
          G38a=YES plus additional comparisons (same as G32a)
      A7. marked tolerance G49a=YES
      A8. withdrawal symptoms G50a=YES
      A9. taken to relieve withdrawal symptoms G51a=YES

   Criterion B: Symptoms persisted or repeated
   The A criterion must be met in order for the B criterion to be met.
   For Symptoms 1,3,4,6 criterion B is automatically met.
   For Symptoms 2,5,7,8 a comparison is made of
   (1) age of recency of problem with age of onset of problem
       (same method as for symptom 6, Criterion A.)

*/
** ALCOHOL ****************************

/* age in fl1 minus age in b (valid if difference is in range of 1-54)*/
/* age in d minus age in b (valid if difference is in range of 1-54)*/
db32alc=g32dalc-g32balc;
db33alc=g33dalc-g33balc;
db37alc=g37dalc-g37balc;
db38alc=g38dalc-g38balc;
db42alc=g42dalc-g42balc;
db43alc=g43dalc-g43balc;
db44alc=g44dalc-g44balc;
db49alc=g49dalc-g49balc;
db50alc=g50dalc-g50balc;
db52alc=g52dalc-g52balc;
fl1=v1812;  /* fl1 = age began drinking the most */
lb32alc=fl1-g32balc;
lb33alc=fl1-g33balc;
lb37alc=fl1-g37balc;
lb38alc=fl1-g38balc;

* Criterion A;

    if g47aalc eq 1 or g48aalc eq 1          then alca1=1;
    if g42aalc eq 1 or g43aalc eq 1 or g44aalc eq 1 then alca2=1;
    if g46aalc eq 1                          then alca3=1;
    if g30aalc eq 1 or g31aalc eq 1 or g34aalc eq 1 then alca4=1;
    if g52aalc eq 1                          then alca5=1;
    if g32aalc eq 1 and
        ((1 <= g32calc <= 3) and (crtage > g32balc))
or ((g32calc eq 4) and (1 <= db32alc <=54))  then alc32a6=1;

/* alcohol only--use having 12 drinks in past yr as comparison var
had at least 12 drinks in past year? 0=no 1=yes */

    if (1 <= f5 <= 8)                       
or (1 <= f6 <= 7)                        
or (1 <= f7 <= 6)                       
or (f7 eq 7 and (5 <= f8 <= 7))         
or (f7 eq 8 and f8 eq 5)                 
or (1 <= f8 <= 4) then drk12pyr=1;
else                      drk12pyr=0;

    if g32aalc eq 1 and drk12pyr eq 1 and (crtage > g32balc) then alc32a6=1;
    if g32aalc eq 1 and drk12pyr eq 0 and (1 <= lb32alc <= 54) then alc32a6=2;
    if g32aalc eq 1 and g32ealc eq 1         then alc32a6=3;
* repeat A6 criteria for G33 series;
    if g33aalc eq 1 and
        ((1 <= g33calc <= 3) and (crtage > g33balc))
or ((g33calc eq 4) and (1 <= db33alc <=54))  then alc33a6=1;
    if g33aalc eq 1 and drk12pyr eq 1 and (crtage > g33balc) then alc33a6=2;
    if g33aalc eq 1 and drk12pyr eq 0 and (1 <= lb33alc <= 54) then alc33a6=3;

A-31
if g36aalc eq 1 and
((1 <= g37calc <= 3) and (crtage > g37balc))
or ((g37calc eq 4) and (1 <= db37alc <= 54))
then alc36a6=1;
if g37aalc eq 1 and
((1 <= g38calc <= 3) and (crtage > g37balc))
then alc37a6=1;
if g37aalc eq 1 and drkl2pyr eq 1 and (crtage > g37balc)
then alc37a6=2;
if g37aalc eq 1 and drkl2pyr eq 0 and (1 <= lb37alc <= 54)
then alc37a6=3;
if g41aalc eq 1
then alc41a6=1;
if g38aalc eq 1 and
((1 <= g38calc <= 3) and (crtage > g38balc))
or ((g38calc eq 4) and (1 <= db38alc <= 54))
then alc38a6=1;
if g38aalc eq 1 and drkl2pyr eq 1 and (crtage > g38balc)
then alc38a6=2;
if g38aalc eq 1 and drkl2pyr eq 0 and (1 <= lb38alc <= 54)
then alc38a6=3;
if (1 <= alc32a6 <= 3) or (1 <= alc33a6 <= 3) or (alc36a6 = 1)
or (1 <= alc37a6 <= 3) or (alc41a6 eq 1) or (1 <= alc38a6 <= 3)
then alc6a6=1;
if g49aalc eq 1
then alc7a6=1;
if g50aalc eq 1
then alc8a6=1;
if g51aalc eq 1
then alc9a6=1;
alcatot=sum(of alc1a-alca9);
if alcatot >= 3
then alccrita=1;

*B CRITERIA;

if alc1a eq 1
then alcb1=1;
if g42aalc eq 1 and
((1 <= g42calc <= 3) and (crtage > g42balc))
or ((g42calc eq 4) and (1 <= db42alc <= 54))
then alc42b=1;
if g43aalc eq 1 and
((1 <= g43calc <= 3) and (crtage > g43balc))
or ((g43calc eq 4) and (1 <= db43alc <= 54))
then alc43b=1;
if g44aalc eq 1 and
((1 <= g44calc <= 3) and (crtage > g44balc))
or ((g44calc eq 4) and (1 <= db44alc <= 54))
then alc44b=1;
if alc42b eq 1 or alc43b eq 1 or alc44b eq 1
then alcb2=1;
if g46aalc eq 1
then alcb3=1;
if g30aalc eq 1 or g31aalc eq 1 or g34aalc eq 1
then alcb4=1;
if g52aalc eq 1 and
((1 <= g52calc <= 3) and (crtage > g52balc))
or ((g52calc eq 4) and (1 <= db52alc <= 54))
then alcb5=1;
if alc6a6=1
then alcb6=1;
if g49aalc eq 1 and
((1 <= g49calc <= 3) and (crtage > g49balc))
or ((g49calc eq 4) and (1 <= db49alc <= 54))
then alcb7=1;
if g50aalc eq 1 and
((1 <= g50calc <= 3) and (crtage > g50balc))
or ((g50calc eq 4) and (1 <= db50alc <= 54))
then alcb8=1;
alcbtot=sum(of alcb1-alcb8);
if alcbtot >= 2 then alccritb=1;
if alccrita eq 1 and alccritb eq 1 then dlifalc=1; else dlifalc=0;
SEDATIVES

/* age in d minus age in b (valid if difference is in range of 1-54)*/
db32sed=g32dsed-g32bsed;
db33sed=g33dsed-g33bsed;
db37sed=g37dsed-g37bsed;
db38sed=g38dsed-g38bsed;
db42sed=g42dsed-g42bsed;
db43sed=g43dsed-g43bsed;
db44sed=g44dsed-g44bsed;
db49sed=g49dsed-g49bsed;
db50sed=g50dsed-g50bsed;
db52sed=g52dsed-g52bsed;

/* age in glf minus age in b (valid if difference is in range of 1-54)
  glf = age last time used sed */
lb32sed=glf-g32bsed;
lb33sed=glf-g33bsed;
lb37sed=glf-g37bsed;
lb38sed=glf-g38bsed;

* A CRITERIA;

if g47ased eq 1 or g48ased eq 1 then seda1=1;
if g42ased eq 1 or g43ased eq 1 or g44ased eq 1 then seda2=1;
if g46ased eq 1 then seda3=1;
if g30ased eq 1 or g31ased eq 1 or g34ased eq 1 then seda4=1;
if g52ased eq 1 then seda5=1;
if g32ased eq 1 and
  ((1 <= g32csed <= 3) and (crtage > g32bsed))
or ((g32csed eq 4) and (1 <= db32sed <= 54)) then seda32a=1;
if g32ased eq 1 and
  ((1 <= rcusased <= 3) and (crtage > g32bsed))
or ((rcusased eq 4) and (1 <= lb32sed <= 54)) then seda32a=2;
if g32ased eq 1 and g32esed eq 1 then seda32a=3;
if g33ased eq 1 and
  ((1 <= g33csed <= 3) and (crtage > g33bsed))
or ((g33csed eq 4) and (1 <= db33sed <= 54)) then seda33a=1;
if g33ased eq 1 and
  ((1 <= rcusased <= 3) and (crtage > g33bsed))
or ((rcusased eq 4) and (1 <= lb33sed <= 54)) then seda33a=2;
if g36ased eq 1 then seda36a=1;
if g37ased eq 1 and
  ((1 <= g37csed <= 3) and (crtage > g37bsed))
or ((g37csed eq 4) and (1 <= db37sed <= 54)) then seda37a=1;
if g37ased eq 1 and
  ((1 <= rcusased <= 3) and (crtage > g37bsed))
or ((rcusased eq 4) and (1 <= lb37sed <= 54)) then seda37a=2;
if g41ased eq 1 then seda41a=1;
if g38ased eq 1 and
    ((1 <= g38csed <= 3) and (crtage > g38bsed))
  or  ((g38csed eq 4) and (1 <= db38sed <= 54)) then sed38a6=1;

if g38ased eq 1 and
    ((1 <= rcusesed <= 3) and (crtage > g38bsed))
  or  ((rcusesed eq 4) and (1 <= lb38sed <= 54)) then sed38a6=2;
if (1 <= sed32a6 <= 3) or (1 <= sed33a6 <= 2) or (sed36a6 =1)
  or  (1 <= sed37a6 <= 2) or (sed41a6 eq 1) or (1 <= sed38a6 <= 2)
    then seda6=1;
if g49ased eq 1
    then seda7=1;
if g50ased eq 1
    then seda8=1;
if g51ased eq 1
    then seda9=1;
    sedatot=sum(of sedal-seda9);
if sedatot >= 3 then sedcrita=1;

* B CRITERIA;

if sedal eq 1
    then sedbl=1;
if g42ased eq 1 and
    ((1 <= g42csed <= 3) and (crtage > g42bsed))
  or  ((g42csed eq 4) and (1 <= db42sed <= 54)) then sed42b=1;
if g43ased eq 1 and
    ((1 <= g43csed <= 3) and (crtage > g43bsed))
  or  ((g43csed eq 4) and (1 <= db43sed <= 54)) then sed43b=1;
if g44ased eq 1 and
    ((1 <= g44csed <= 3) and (crtage > g44bsed))
  or  ((g44csed eq 4) and (1 <= db44sed <= 54)) then sed44b=1;
if sed42b eq 1 or sed43b eq 1 or sed44b eq 1
    then sedb2=1;
if g46ased eq 1
    then sedb3=1;
if g30ased eq 1 or g31ased eq 1 or g34ased eq 1
    then sedb4=1;
if g52ased eq 1 and
    ((1 <= g52csed <= 3) and (crtage > g52bsed))
  or  ((g52csed eq 4) and (1 <= db52sed <= 54)) then sedb5=1;
if seda6=1
    then sedb6=1;
if g49ased eq 1 and
    ((1 <= g49csed <= 3) and (crtage > g49bsed))
  or  ((g49csed eq 4) and (1 <= db49sed <= 54)) then sedb7=1;
if g50ased eq 1 and
    ((1 <= g50csed <= 3) and (crtage > g50bsed))
  or  ((g50csed eq 4) and (1 <= db50sed <= 54)) then sedb8=1;
    sedbtot=sum(of sedbl-sedb8);
if sedbtot >= 2 then sedcritb=1;

if sedcrita eq 1 and sedcritb eq 1 then dlifsed=1; else dlifsed=0;
TRANQUILIZERS;

/* age in d minus age in b (valid if difference is in range of 1-54)*/
db32trq=g32dtrq-g32btrq;
db33trq=g33dtrq-g33btrq;
db37trq=g37dtrq-g37btrq;
db38trq=g38dtrq-g38btrq;
db42trq=g42dtrq-g42btrq;
db43trq=g43dtrq-g43btrq;
db44trq=g44dtrq-g44btrq;
db49trq=g49dtrq-g49btrq;
db50trq=g50dtrq-g50btrq;
db52trq=g52dtrq-g52btrq;

/* age in g2f minus age in b (valid if difference is in range of 1-54)
g2f=age last time used trq*/
lb32trq=g2f-g32btrq;
lb33trq=g2f-g33btrq;
lb37trq=g2f-g37btrq;
lb38trq=g2f-g38btrq;

* A CRITERIA:

if g47atrq eq 1 or g48atrq eq 1 then trqa1=1;
if g42atrq eq 1 or g43atrq eq 1 or g44atrq eq 1 then trqa2=1;
if g46atrq eq 1 then trqa3=1;
if g30atrq eq 1 or g31atrq eq 1 or g34atrq eq 1 then trqa4=1;
if g52atrq eq 1 then trqa5=1;
if g32atrq eq 1 and
((1 <= g32ctrq <= 3) and (crtage > g32btrq))
or ((g32ctrq eq 4) and (1 <= db32trq <=54)) then trq32a6=1;
if g32atrq eq 1 and
((1 <= rcusetrq <=3) and (crtage > g32btrq))
or ((rcusetrq eq 4) and (1 <= lb32trq <=54)) then trq32a6=2;
if g32atrq eq 1 and g32etrq eq 1 then trq32a6=3;
if g33atrq eq 1 and
((1 <= g33ctrq <= 3) and (crtage > g33btrq))
or ((g33ctrq eq 4) and (1 <= db33trq <=54)) then trq33a6=1;
if g33atrq eq 1 and
((1 <= rcusetrq <=3) and (crtage > g33btrq))
or ((rcusetrq eq 4) and (1 <= lb33trq <=54)) then trq33a6=2;
if g36atrq eq 1 then trq36a6=1;

if g37atrq eq 1 and
((1 <= g37ctrq <= 3) and (crtage > g37btrq))
or ((g37ctrq eq 4) and (1 <= db37trq <=54)) then trq37a6=1;
if g37atrq eq 1 and
((1 <= rcusetrq <=3) and (crtage > g37btrq))
or ((rcusetrq eq 4) and (1 <= lb37trq <=54)) then trq37a6=2;

if g41atrq eq 1 then trq41a6=1;
if g38atrq eq 1 and
((1 <= g38ctrq <= 3) and (crtage > g38btrq))
or ((g38ctrq eq 4) and (1 <= db38trq <= 54)) then trq38a6=1;

if g38atrq eq 1 and
((1 <= rcusetrq <= 3) and (crtage > g38btrq))
or ((rcusetrq eq 4) and (1 <= lb38trq <= 54)) then trq38a6=2;
if (1 <= trq32a6 <= 3) or (1 <= trq33a6 <= 2) or (trq36a6 = 1)
or (1 <= trq37a6 <= 2) or (trq41a6 eq 1) or (1 <= trq38a6 <= 2)
then trq6a=1;
if g49atrq eq 1 then trqa7=1;
if g50atrq eq 1 then trqa8=1;
if g51atrq eq 1 then trqa9=1;
trqatot=sum(of trqal-trqa9);
if trqatot >= 3 then trqcrita=1;

* B CRITERIA;

if trqal eq 1 then trqb1=1;
if g42atrq eq 1 and
(( 1 <= g42ctrq <= 3) and (crtage > g42btrq))
or ((g42ctrq eq 4) and (1 <= db42trq <= 54)) then trq42b=1;
if g43atrq eq 1 and
(( 1 <= g43ctrq <= 3) and (crtage > g43btrq))
or ((g43ctrq eq 4) and (1 <= db43trq <= 54)) then trq43b=1;
if g44atrq eq 1 and
(( 1 <= g44ctrq <= 3) and (crtage > g44btrq))
or ((g44ctrq eq 4) and (1 <= db44trq <= 54)) then trq44b=1;
if trq42b eq 1 or trq43b eq 1 or trq44b eq 1
then trqb2=1;
if g46atrq eq 1 then trqb3=1;
if g30atrq eq 1 or g31atrq eq 1 or g34atrq eq 1
then trqb4=1;
if g52atrq eq 1 and
(( 1 <= g52ctrq <= 3) and (crtage > g52btrq))
or ((g52ctrq eq 4) and (1 <= db52trq <= 54)) then trqb5=1;
if trqa6=1
then trqb6=1;
if g49atrq eq 1 and
(( 1 <= g49ctrq <= 3) and (crtage > g49btrq))
or ((g49ctrq eq 4) and (1 <= db49trq <= 54)) then trqb7=1;
if g50atrq eq 1 and
(( 1 <= g50ctrq <= 3) and (crtage > g50btrq))
or ((g50ctrq eq 4) and (1 <= db50trq <= 54)) then trqb8=1;
trqbtot=sum(of trqb1-trqb8);
if trqbtot > 2 then trqcritb=1;

if trqcrita eq 1 and trqcritb eq 1 then dlftrq=1; else dlftrq=0;
/* age in d minus age in b (valid if difference is in range of 1-54)*/
db33sti=g32dsti-g32bsti;
db34sti=g33dsti-g33bsti;
db37sti=g37dsti-g37bsti;
db38sti=g38dsti-g38bsti;
db42sti=g42dsti-g42bsti;
db43sti=g43dsti-g43bsti;
db44sti=g44dsti-g44bsti;
db49sti=g49dsti-g49bsti;
db50sti=g50dsti-g50bsti;
db52sti=g52dsti-g52bsti;

/* age in g3f minus age in b (valid if difference is in range of 1-54)
g3f = age last time used sti*/
lb32bsti=g3f-g32bsti;
lb33bsti=g3f-g33bsti;
lb37bsti=g3f-g37bsti;
lb38bsti=g3f-g38bsti;

* A CRITERIA;

if g47astq eq 1 or g48astq eq 1
then stia1=1;
if g42astq eq 1 or g43astq eq 1 or g44astq eq 1
then stia2=1;
if g46astq eq 1
then stia3=1;
if g30astq eq 1 or g31astq eq 1 or g34astq eq 1
then stia4=1;
if g52astq eq 1
then stia5=1;
if g32astq eq 1 and
((1 <= g32csti <= 3) and (crtage > g32bsti))
or ((g32csti eq 4) and (1 <= db32sti <=54))
then sti32a=1;
if g32astq eq 1 and
((1 <= rcusesti <=3) and (crtage > g32bsti))
or ((rcusesti eq 4) and (1 <= lb32sti <=54))
then sti32a=2;
if g32astq eq 1 and g32esti eq 1
then sti32a=3;
if g33astq eq 1 and
((1 <= g33csti <= 3) and (crtage > g33bsti))
or ((g33csti eq 4) and (1 <= db33sti <=54))
then sti33a=1;
if g33astq eq 1 and
((1 <= rcusesti <=3) and (crtage > g33bsti))
or ((rcusesti eq 4) and (1 <= lb33sti <=54))
then sti33a=2;
if g36asti eq 1
then sti36a=1;

if g37astq eq 1 and
((1 <= g37csti <= 3) and (crtage > g37bsti))
or ((g37csti eq 4) and (1 <= db37sti <=54))
then sti37a=1;
if g37astq eq 1 and
((1 <= rcusesti <=3) and (crtage > g37bsti))
or ((rcusesti eq 4) and (1 <= lb37sti <=54))
then sti37a=2;
if g41astq eq 1
then sti41a=1;
* repeat A6 criteria for G38 series;
if g38astl eq 1 and
    ((1 <= g38csti <= 3) and (crtage > g38bsti))
or ((g38csti eq 4) and (1 <= db38sti <= 54)) then sti38a6=1;
if g38astl eq 1 and
    ((1 <= rcusesti <= 3) and (crtage > g38bsti))
or ((rcusesti eq 4) and (1 <= lb38sti <= 54)) then sti38a6=2;
if (1 <= sti32a6 <= 3) or (1 <= sti33a6 <= 2) or (sti36a6 =1)
or (1 <= sti37a6 <= 2) or (sti41a6 eq 1) or (1 <= sti38a6 <= 2) then stia6=1;
if g49astl eq 1 then stia7=1;
if g50astl eq 1 then stia8=1;
if g51astl eq 1 then stia9=1;
stiatot=sum(of stial-stia9);
if stiatot >= 3 then sticrita=1;

* B CRITERIA;

if stial eq 1 then stibl=1;
if g42astl eq 1 and
    ((1 <= g42csti <= 3) and (crtage > g42bsti))
or ((g42csti eq 4) and (1 <= db42sti <= 54)) then sti42b=1;
if g43astl eq 1 and
    ((1 <= g43csti <= 3) and (crtage > g43bsti))
or ((g43csti eq 4) and (1 <= db43sti <= 54)) then sti43b=1;
if g44astl eq 1 and
    ((1 <= g44csti <= 3) and (crtage > g44bsti))
or ((g44csti eq 4) and (1 <= db44sti <= 54)) then sti44b=1;
if sti42b eq 1 or sti43b eq 1 or sti44b eq 1 then stib2=1;
if g46astl eq 1 then stib3=1;
if g30astl eq 1 or g3lasti eq 1 or g34astl eq 1 then stib4=1;
if g52astl eq 1 and
    ((1 <= g52csti <= 3) and (crtage > g52bsti))
or ((g52csti eq 4) and (1 <= db52sti <= 54)) then stib5=1;
if sti56=1 then stib6=1;
if g49astl eq 1 and
    ((1 <= g49csti <= 3) and (crtage > g49bsti))
or ((g49csti eq 4) and (1 <= db49sti <= 54)) then stib7=1;
if g50astl eq 1 and
    ((1 <= g50csti <= 3) and (crtage > g50bsti))
or ((g50csti eq 4) and (1 <= db50sti <= 54)) then stib8=1;
stibtot=sum(of stibl-stib8);
if stibtot >= 2 then sticritb=1;
if sticrita eq 1 and sticritb eq 1 then dlfsti=1; else dlfsti=0;

A-38
/* age in d minus age in b (valid if difference is in range of 1-54)*/
db32ags=g32dags-g32bags;
db33ags=g33dags-g33bags;
db37ags=g37dags-g37bags;
db38ags=g38dags-g38bags;
db42ags=g42dags-g42bags;
db43ags=g43dags-g43bags;
db44ags=g44dags-g44bags;
db49ags=g49dags-g49bags;
db50ags=g50dags-g50bags;
db52ags=g52dags-g52bags;

/* age in g4f minus age in b (valid if difference is in range of 1-54)
   g4f = age last time used ags*/
lb32ags=g4f-g32bags;
lb33ags=g4f-g33bags;
lb37ags=g4f-g37bags;
lb38ags=g4f-g38bags;

* A CRITERIA;

if g47aags eq 1 or g48aags eq 1 then agsa1=1;
if g42aags eq 1 or g43aags eq 1 or g44aags eq 1 then agsa2=1;
if g46aags eq 1 then agsa3=1;
if g30aags eq 1 or g31aags eq 1 or g34aags eq 1 then agsa4=1;
if g52aags eq 1 then agsa5=1;
if g32aags eq 1 and
   ((1 <= g32cags <= 3) and (crtage > g32bags))
or ((g32cags eq 4) and (1 <= db32ags <=54)) then ags32a6=1;
if g32aags eq 1 and
   ((1 <= rcuseags <=3) and (crtage > g32bags))
or ((rcuseags eq 4) and (1 <= lb32ags <=54)) then ags32a6=2;
if g32aags eq 1 and g32eags eq 1 then ags32a6=3;
if g33aags eq 1 and
   ((1 <= g33cags <= 3) and (crtage > g33bags))
or ((g33cags eq 4) and (1 <= db33ags <=54)) then ags33a6=1;
if g33aags eq 1 and
   ((1 <= rcuseags <=3) and (crtage > g33bags))
or ((rcuseags eq 4) and (1 <= lb33ags <=54)) then ags33a6=2;
if g36aags eq 1 then ags36a6=1;
if g37aags eq 1 and
   ((1 <= g37cags <= 3) and (crtage > g37bags))
or ((g37cags eq 4) and (1 <= db37ags <=54)) then ags37a6=1;
if g37aags eq 1 and
   ((1 <= rcuseags <=3) and (crtage > g37bags))
or ((rcuseags eq 4) and (1 <= lb37ags <=54)) then ags37a6=2;
if g41aags eq 1 then ags41a6=1;
if g38aags eq 1 and
((1 <= g38cags <= 3) and (crtage > g38bags))
or ((g38cags eq 4) and (1 <= db38ags <= 54)) then ags38a6=1;

if g38aags eq 1 and
((1 <= rcuseags <= 3) and (crtage > g38bags))
or ((rcuseags eq 4) and (1 <= lb38ags <= 54)) then ags38a6=2;
if (1 <= ags32a6 <= 3) or (1 <= ags33a6 <= 2) or (ags36a6 = 1)
or (1 <= ags37a6 <= 2) or (ags41a6 eq 1) or (1 <= ags38a6 <= 2)
then agsa6=1;
if g49aags eq 1
then agsa7=1;
if g50aags eq 1
then agsa8=1;
if g51aags eq 1
then agsa9=1;
agsatot=sum(of agsal-agsa9);
if agsatot >= 3 then agscrita=1;

* B CRITERIA;

if agsal eq 1
then agsbl=1;
if g42aags eq 1 and
((1 <= g42cags <= 3) and (crtage > g42bags))
or ((g42cags eq 4) and (1 <= db42ags <= 54)) then ags42b=1;
if g43aags eq 1 and
((1 <= g43cags <= 3) and (crtage > g43bags))
or ((g43cags eq 4) and (1 <= db43ags <= 54)) then ags43b=1;
if g44aags eq 1 and
((1 <= g44cags <= 3) and (crtage > g44bags))
or ((g44cags eq 4) and (1 <= db44ags <= 54)) then ags44b=1;
if ags42b eq 1 or ags43b eq 1 or ags44b eq 1
then agsb2=1;
if g46aags eq 1
then agsb3=1;
if g30aags eq 1 or g31aags eq 1 or g34aags eq 1
then agsb4=1;
if g52aags eq 1 and
((1 <= g52cags <= 3) and (crtage > g52bags))
or ((g52cags eq 4) and (1 <= db52ags <= 54)) then agsbl=1;
if agsbl=1
then agsbl=1;
if g49aags eq 1 and
((1 <= g49cags <= 3) and (crtage > g49bags))
or ((g49cags eq 4) and (1 <= db49ags <= 54)) then agsbl=1;
if g50aags eq 1 and
((1 <= g50cags <= 3) and (crtage > g50bags))
or ((g50cags eq 4) and (1 <= db50ags <= 54)) then agsbl=1;
agsbtotal=sum(of agsbl-agsb8);
if agsdtot >= 2 then agscritb=1;

if agscrita eq 1 and agscritb eq 1 then dlfags=1; else dlfags=0;

A-40
*************** INHALANTS ***************

/* age in d minus age in b (valid if difference is in range of 1-54)*/
  db32inh=g32dinh-g32binh;
  db33inh=g33dinh-g33binh;
  db37inh=g37dinh-g37binh;
  db38inh=g38dinh-g38binh;
  db42inh=g42dinh-g42binh;
  db43inh=g43dinh-g43binh;
  db44inh=g44dinh-g44binh;
  db49inh=g49dinh-g49binh;
  db50inh=g50dinh-g50binh;
  db52inh=g52dinh-g52binh;

/* age in 5f minus age in b (valid if difference is in range of 1-54)
g5f = age last time used inh*/
  lb32inh=g5f-g32binh;
  lb33inh=g5f-g33binh;
  lb37inh=g5f-g37binh;
  lb38inh=g5f-g38binh;

* A CRITERIA;

  if g47ainh eq 1 or g48ainh eq 1 then inhal=1;
  if g42ainh eq 1 or g43ainh eq 1 or g44ainh eq 1 then inha2=1;
  if g46ainh eq 1 then inha3=1;
  if g30ainh eq 1 or g31ainh eq 1 or g34ainh eq 1 then inha4=1;
  if g32ainh eq 1 then inha5=1;
  if g32ainh eq 1 and ((1 <= g32cinh <= 3) and (crtage > g32binh))
    or ((g32cinh eq 4) and (1 <= db32inh <= 54)) then inh32a6=1;
  if g32ainh eq 1 and ((1 <= rcuseinh <= 3) and (crtage > g32binh))
    or ((rcuseinh eq 4) and (1 <= lb32inh <= 54)) then inh32a6=2;
  if g32ainh eq 1 and g32einh eq 1 then inh32a6=3;
  if g33ainh eq 1 and ((1 <= g33cinh <= 3) and (crtage > g33binh))
    or ((g33cinh eq 4) and (1 <= db33inh <= 54)) then inh33a6=1;
  if g33ainh eq 1 and ((1 <= rcuseinh <= 3) and (crtage > g33binh))
    or ((rcuseinh eq 4) and (1 <= lb33inh <= 54)) then inh33a6=2;
  if g36ainh eq 1 then inh36a6=1;
  if g37ainh eq 1 and ((1 <= g37cinh <= 3) and (crtage > g37binh))
    or ((g37cinh eq 4) and (1 <= db37inh <= 54)) then inh37a6=1;
  if g37ainh eq 1 and ((1 <= rcuseinh <= 3) and (crtage > g37binh))
    or ((rcuseinh eq 4) and (1 <= lb37inh <= 54)) then inh37a6=2;
  if g41ainh eq 1 then inh41a6=1;
  if g38ainh eq 1 and
(((1 <= g38cinh <= 3) and (crtage > g38binh))
or ((g38cinh eq 4) and (1 <= db38inh <= 54)) then inh38a6=1;

if g38ainh eq 1 and
((1 <= rcuseinh <= 3) and (crtage > g38binh))
or ((rcuseinh eq 4) and (1 <= lb38inh <= 54)) then inh38a6=2;
if (1 <= inh32a6 <= 3) or (1 <= inh33a6 <= 2) or (inh36a6 =1)
or (1 <= inh37a6 <= 2) or (inh41a6 eq 1) or (1 <= inh38a6 <=2)
then inha6=1;
if g49ainh eq 1 then inha7=1;
if g50ainh eq 1 then inha8=1;
if g51ainh eq 1 then inha9=1;
inhatot=sum(of inhal-inha9);
if inhatot >= 3 then inhcrita=1;

* B CRITERIA:

if inhail eq 1 then inhl=1;
if g42ainh eq 1 and
(( 1 <= g42cinh <= 3) and (crtage > g42binh))
or ((g42cinh eq 4) and (1 <= db42inh <= 54)) then inh42b=1;
if g43ainh eq 1 and
(( 1 <= g43cinh <= 3) and (crtage > g43binh))
or ((g43cinh eq 4) and (1 <= db43inh <= 54)) then inh43b=1;
if g44ainh eq 1 and
(( 1 <= g44cinh <= 3) and (crtage > g44binh))
or ((g44cinh eq 4) and (1 <= db44inh <= 54)) then inh44b=1;
if inh42b eq 1 or inh43b eq 1 or inh44b eq 1 then inhb2=1;
if g46ainh eq 1 then inhb3=1;
if g30ainh eq 1 or g31ainh eq 1 or g34ainh eq 1 then inhb4=1;
if g52ainh eq 1 and
(( 1 <= g52cinh <= 3) and (crtage > g52binh))
or ((g52cinh eq 4) and (1 <= db52inh <= 54)) then inhb5=1;
if inha6=1 then inhb6=1;
if g49ainh eq 1 and
(( 1 <= g49cinh <= 3) and (crtage > g49binh))
or ((g49cinh eq 4) and (1 <= db49inh <= 54)) then inhbtot=1;
if g50ainh eq 1 and
(( 1 <= g50cinh <= 3) and (crtage > g50binh))
or ((g50cinh eq 4) and (1 <= db50inh <= 54)) then inhbtot=1;
inhbtot=sum(of inhbl-inhb8);
if inhbtot >= 2 then inhcritb=1;
if inhcrita eq 1 and inhcritb eq 1 then dlifinh=1; else dlifinh=0;
**MARIJUANA**

/* age in d minus age in b (valid if difference is in range of 1-54)*/
db32mar=g32dmar-g32bmar;
db33mar=g33dmar-g33bmar;
db37mar=g37dmar-g37bmar;
db38mar=g38dmar-g38bmar;
db42mar=g42dmar-g42bmar;
db43mar=g43dmar-g43bmar;
db44mar=g44dmar-g44bmar;
db49mar=g49dmar-g49bmar;
db50mar=g50dmar-g50bmar;
db52mar=g52dmar-g52bmar;

/* age in g6f minus age in b (valid if difference is in range of 1-54)
g6f = age last time used mar*/
lb32mar=g6f-g32bmar;
lb33mar=g6f-g33bmar;
lb37mar=g6f-g37bmar;
lb38mar=g6f-g38bmar;

* A CRITERIA;

if g47amar eq 1 or g48amar eq 1 then mara1=1;
if g42amar eq 1 or g43amar eq 1 or g44amar eq 1 then mara2=1;
if g46amar eq 1 then mara3=1;
if g30amar eq 1 or g31amar eq 1 or g34amar eq 1 then mara4=1;
if g52amar eq 1 then mara5=1;
if g32amar eq 1 and
  ((1 <= g32cmar <= 3) and (crtage > g32bmar))
or ((g32cmar eq 4) and (1 <= db32mar <=54)) then mara6=1;
if g32amar eq 1 and
  ((1 <= rcusemar <=3) and (crtage > g32bmar))
or ((rcusemar eq 4) and (1 <= lb32mar <=54)) then mara6=2;
if g32amar eq 1 and g32emar eq 1 then mara6=3;

if g33amar eq 1 and
  ((1 <= g33cmar <= 3) and (crtage > g33bmar))
or ((g33cmar eq 4) and (1 <= db33mar <=54)) then mara6=1;
if g33amar eq 1 and
  ((1 <= rcusemar <=3) and (crtage > g33bmar))
or ((rcusemar eq 4) and (1 <= lb33mar <=54)) then mara6=2;
if g33amar eq 1 and g33emar eq 1 then mara6=3;

if g36amar eq 1 then mara6=1;

if g37amar eq 1 and
  ((1 <= g37cmar <= 3) and (crtage > g37bmar))
or ((g37cmar eq 4) and (1 <= db37mar <=54)) then mara6=1;
if g37amar eq 1 and
  ((1 <= rcusemar <=3) and (crtage > g37bmar))
or ((rcusemar eq 4) and (1 <= lb37mar <=54)) then mara6=2;
if g37amar eq 1 and g37emar eq 1 then mara6=3;

A-43
if g4lamar eq 1 then mar4la6=1;
if g38amar eq 1 and
   ((1 <= g38cmar <= 3) and (crtage > g38bmar))
   or ((g38cmar eq 4) and (1 <= db38mar <= 54)) then mar38a6=1;
if g38amar eq 1 and
   ((1 <= rcusemar <= 3) and (crtage > g38bmar))
   or ((rcusemar eq 4) and (1 <= l1b38mar <= 54)) then mar38a6=2;
if (1 <= mar32a6 <= 3) or (1 <= mar33a6 <= 2) or (mar36a6 =1)
   or (1 <= mar37a6 <= 2) or (mar41a6 eq 1) or (1 <= mar38a6 <= 2)
   then mara6=1;
if g49amar eq 1 then mara7=1;
if g50amar eq 1 then mara8=1;
if g51amar eq 1 then mara9=1;
maratot=sum(of maral-marax9);
if maratot >= 3 then marcrita=1;

* B CRITERIA;

if maral eq 1 then marbl=1;
if g42amar eq 1 and
   ((1 <= g42cmar <= 3) and (crtage > g42bmar))
   or ((g42cmar eq 4) and (1 <= db42mar <= 54)) then mar42b=1;
if g43amar eq 1 and
   ((1 <= g43cmar <= 3) and (crtage > g43bmar))
   or ((g43cmar eq 4) and (1 <= db43mar <= 54)) then mar43b=1;
if g44amar eq 1 and
   ((1 <= g44cmar <= 3) and (crtage > g44bmar))
   or ((g44cmar eq 4) and (1 <= db44mar <= 54)) then mar44b=1;
if mar42b eq 1 or mar43b eq 1 or mar44b eq 1 then marb2=1;
if g46amar eq 1 then marb3=1;
if g30amar eq 1 or g31amar eq 1 or g34amar eq 1 then marb4=1;
if g52amar eq 1 and
   ((1 <= g52cmar <= 3) and (crtage > g52bmar))
   or ((g52cmar eq 4) and (1 <= db52mar <= 54)) then marb5=1;
if mara6=1 then marb6=1;
if g49amar eq 1 and
   ((1 <= g49cmar <= 3) and (crtage > g49bmar))
   or ((g49cmar eq 4) and (1 <= db49mar <= 54)) then marb7=1;
if g50amar eq 1 and
   ((1 <= g50cmar <= 3) and (crtage > g50bmar))
   or ((g50cmar eq 4) and (1 <= db50mar <= 54)) then marb8=1;
marbtot=sum(of marbl-marbx8);
if marbtot >= 2 then marcritb=1;

if marcrica eq 1 and marcritb eq 1 then dlifmar=1; else dlifmar=0;
CODAINE

/* age in d minus age in b (valid if difference is in range of 1-54)*/
  db32coc=g32dcoc-g32bcoc;
db33coc=g33dcoc-g33bcoc;
db37coc=g37dcoc-g37bcoc;
db38coc=g38dcoc-g38bcoc;
db42coc=g42dcoc-g42bcoc;
db43coc=g43dcoc-g43bcoc;
db44coc=g44dcoc-g44bcoc;
db49coc=g49dcoc-g49bcoc;
db50coc=g50dcoc-g50bcoc;
db52coc=g52dcoc-g52bcoc;

/* age in g7f minus age in b (valid if difference is in range of 1-54)*/
  g7f = age last time used coc */
  lb32coc=g7f-g32bcoc;
  lb33coc=g7f-g33bcoc;
  lb37coc=g7f-g37bcoc;
  lb38coc=g7f-g38bcoc;

* A CRITERIA:

if g47acoc eq 1 or g48acoc eq 1 then cocal=1;
if g42acoc eq 1 or g43acoc eq 1 or g44acoc eq 1 then coca2=1;
if g46acoc eq 1 then coca3=1;
if g30acoc eq 1 or g31acoc eq 1 or g34acoc eq 1 then coca4=1;
if g52acoc eq 1 then coca5=1;
if g32acoc eq 1 and
  ((1 <= g32ccoc <= 3) and (crtage > g32bcoc))
or ((g32ccoc eq 4) and (1 <= db32coc <=54)) then coc32a6=1;
if g32acoc eq 1 and
  ((1 <= rcusecoc <=3) and (crtage > g32bcoc))
or ((rcusecoc eq 4) and (1 <= lb32coc <=54)) then coc32a6=2;
if g32acoc eq 1 and
  ((1 <= g33ccoc <= 3) and (crtage > g33bcoc))
or ((g33ccoc eq 4) and (1 <= db33coc <=54)) then coc33a6=1;
if g33acoc eq 1 and
  ((1 <= rcusecoc <=3) and (crtage > g33bcoc))
or ((rcusecoc eq 4) and (1 <= lb33coc <=54)) then coc33a6=2;
if g36acoc eq 1 then coc36a6=1;

if g37acoc eq 1 and
  ((1 <= g37ccoc <= 3) and (crtage > g37bcoc))
or ((g37ccoc eq 4) and (1 <= db37coc <=54)) then coc37a6=1;
if g37acoc eq 1 and
  ((1 <= rcusecoc <=3) and (crtage > g37bcoc))
or ((rcusecoc eq 4) and (1 <= lb37coc <=54)) then coc37a6=2;
if g41acoc eq 1 then coc41a6=1;
if g38acoc eq 1 and
(((1 <= g38ccoc <= 3) and (crtage > g38bcoc))
 or ((g38ccoc eq 4) and (1 <= db38coc <= 54)) then cocc38a6=1;)

if g38acoc eq 1 and
 ((1 <= rcusecoc <= 3) and (crtage > g38bcoc))
or ((rcusecoc eq 4) and (1 <= 1b38coc <= 54)) then cocc38a6=2;
if (1 <= cocc32a6 <= 3) or (1 <= cocc33a6 <= 2) or (cocc36a6 =1)
or (1 <= cocc37a6 <= 2) or (cocc41a6 eq 1) or (1 <= cocc38a6 <= 2)
then coca6=1;
if g49acoc eq 1 then coca7=1;
if g50acoc eq 1 then coca8=1;
if g51acoc eq 1 then coca9=1;
cocatot=sum(of cocal-coca9);
if cocatot >= 3 then coccrita=1;

* B CRITERIA;

if cocal eq 1 then coccbl=1;
if g42acoc eq 1 and
 ((1 <= g42ccoc <= 3) and (crtage > g42bcoc))
or ((g42ccoc eq 4) and (1 <= db42coc <= 54)) then cocc42b=1;
if g43acoc eq 1 and
 ((1 <= g43ccoc <= 3) and (crtage > g43bcoc))
or ((g43ccoc eq 4) and (1 <= db43coc <= 54)) then cocc43b=1;
if g44acoc eq 1 and
 ((1 <= g44ccoc <= 3) and (crtage > g44bcoc))
or ((g44ccoc eq 4) and (1 <= db44coc <= 54)) then cocc44b=1;
if coc42b eq 1 or coc43b eq 1 or coc44b eq 1 then cocb2=1;
if g46acoc eq 1 then cocb3=1;
if g30acoc eq 1 or g31acoc eq 1 or g34acoc eq 1 then cocb4=1;
if g52acoc eq 1 and
 ((1 <= g52ccoc <= 3) and (crtage > g52bcoc))
or ((g52ccoc eq 4) and (1 <= db52coc <= 54)) then cocb5=1;
if cocal=1 then cocb6=1;
if g49acoc eq 1 and
 ((1 <= g49ccoc <= 3) and (crtage > g49bcoc))
or ((g49ccoc eq 4) and (1 <= db49coc <= 54)) then cocb7=1;
if g50acoc eq 1 and
 ((1 <= g50ccoc <= 3) and (crtage > g50bcoc))
or ((g50ccoc eq 4) and (1 <= db50coc <= 54)) then cocb8=1;
cocbtot=sum(of coccbl-cocb8);
if cocbtot >= 2 then coccritb=1;
if coccrita eq 1 and coccritb eq 1 then dlifcoc=1; else dlifcoc=0;
/* age in d minus age in b (valid if difference is in range of 1-54)*/
db32hal=g32dhall-g32bhal;
db33hal=g33dhall-g33bhal;
db37hal=g37dhall-g37bhal;
db38hal=g38dhall-g38bhal;
db42hal=g42dhall-g42bhal;
db43hal=g43dhall-g43bhal;
db44hal=g44dhall-g44bhal;
db49hal=g49dhall-g49bhal;
db50hal=g50dhall-g50bhal;
db52hal=g52dhall-g52bhal;

/* age in g8f minus age in b (valid if difference is in range of 1-54)
g8f = age last time used hal */
ib32hal=g8f-g32bhal;
ib33hal=g8f-g33bhal;
ib37hal=g8f-g37bhal;
ib38hal=g8f-g38bhal;

* A CRITERIA;

if g47ahal eq 1 or g48ahal eq 1 then halal=1;
if g42ahal eq 1 or g43ahal eq 1 or g44ahal eq 1 then halal2=1;
if g46ahal eq 1 then halal3=1;
if g30ahal eq 1 or g31ahal eq 1 or g34ahal eq 1 then halal4=1;
if g52ahal eq 1 then halal5=1;
if g32ahal eq 1 and
db32hal <= 3 and (crtage > g32bhal))
or ((g32hal eq 4 and (1 <= db32hal <=54)) then halal3a6=1;
if g32ahal eq 1 and
rcusehal <=3 and (crtage > g32bhal))
or ((rcusehal eq 4 and (1 <= ib32hal <=54)) then halal3a6=2;
if g32ahal eq 1 and g32ahal eq 1 and
g33ahal eq 1 and
db33hal <= 3 and (crtage > g33bhal))
or ((g33hal eq 4 and (1 <= db33hal <=54)) then halal3a6=3;
if g33ahal eq 1 and
crtage <=3 and (crtage > g33bhal))
or ((rcusehal eq 4 and (1 <= ib33hal <=54)) then halal3a6=4;
if g36ahal eq 1 then halal36a6=1;

if g37ahal eq 1 and
db37hal <= 3 and (crtage > g37bhal))
or ((g37hal eq 4 and (1 <= db37hal <=54)) then halal3a6=5;
if g37ahal eq 1 and
crtage <=3 and (crtage > g37bhal))
or ((rcusehal eq 4 and (1 <= ib37hal <=54)) then halal37a6=2;
if g41ahal eq 1 then halal41a6=1;
if g38ahal eq 1 and

A-47
\[
((1 < g38chal \leq 3) \text{ and (crtage > g38bhal)})
\]
\[
\text{or } ((g38chal \equiv 4) \text{ and } (1 < db38hal \leq 54)) \quad \text{then hal38a6=1;}
\]
\[
\begin{align*}
\text{if g38ahal eq 1 and} \\
((1 \leq \text{rcusehal} \leq 3) \text{ and (crtage > g38bhal)})
\text{or ((rcusehal eq 4) and (1 < lb38hal \leq 54)) then hal38a6=2;} \\
\text{if (1 < hal32a6 \leq 3) or (1 < hal33a6 \leq 2) or (hal36a6 =1)} \\
\text{or (1 < hal37a6 \leq 2) or (hal41a6 eq 1) or (1 \leq hal38a6 \leq 2)}
\end{align*}
\]
\[
\begin{align*}
\text{then hal6a=1;} \\
\text{then hala7=1;} \\
\text{then hala8=1;} \\
\text{then hala9=1;} \\
\text{halatot=sum(of halal-hala9);} \\
\text{if halatot \geq 3 then halcrita=1;}
\end{align*}
\]

* B CRITERIA:

\[
\text{if halal eq 1} \\
\text{then halb1=1;}
\]
\[
\text{if g42ahal eq 1 and} \\
((1 < g42chal \leq 3) \text{ and (crtage > g42bhal)})
\text{or ((g42chal eq 4) and (1 < db42hal \leq 54)) then hal42b=1;}
\]
\[
\begin{align*}
\text{if g43ahal eq 1 and} \\
((1 < g43chal \leq 3) \text{ and (crtage > g43bhal)})
\text{or ((g43chal eq 4) and (1 < db43hal \leq 54)) then hal43b=1;}
\end{align*}
\]
\[
\begin{align*}
\text{if g44ahal eq 1 and} \\
((1 < g44chal \leq 3) \text{ and (crtage > g44bhal)})
\text{or ((g44chal eq 4) and (1 < db44hal \leq 54)) then hal44b=1;}
\end{align*}
\]
\[
\begin{align*}
\text{if hal42b eq 1 or hal43b eq 1 or hal44b eq 1} \\
\text{then hala2=1;} \\
\text{if g46ahal eq 1} \\
\text{then hala3=1;} \\
\text{if g30ahal eq 1 or g31ahal eq 1 or g34ahal eq 1 then hala4=1;} \\
\text{if g52ahal eq 1 and} \\
((1 < g52chal \leq 3) \text{ and (crtage > g52bhal)})
\text{or ((g52chal eq 4) and (1 < db52hal \leq 54)) then halb5=1;}
\end{align*}
\]
\[
\begin{align*}
\text{if hala6=1} \\
\text{then halb6=1;} \\
\text{if g49ahal eq 1 and} \\
((1 < g49chal \leq 3) \text{ and (crtage > g49bhal)})
\text{or ((g49chal eq 4) and (1 < db49hal \leq 54)) then halb7=1;}
\end{align*}
\]
\[
\begin{align*}
\text{if g50ahal eq 1 and} \\
((1 < g50chal \leq 3) \text{ and (crtage > g50bhal)})
\text{or ((g50chal eq 4) and (1 < db50hal \leq 54)) then halb8=1;}
\end{align*}
\]
\[
\text{halbtot=sum(of halb1-halb8);} \\
\text{if halbtot \geq 2 then halcritb=1;}
\]
\[
\text{if halcrita eq 1 and halcritb eq 1 then delhal=1; else delhal=0;}
\]
HEROIN;

/* age in d minus age in b (valid if difference is in range of 1-54)*/
db32her=g32dher-g32bher;
db33her=g33dher-g33bher;
db37her=g37dher-g37bher;
db38her=g38dher-g38bher;
db42her=g42dher-g42bher;
db43her=g43dher-g43bher;
db44her=g44dher-g44bher;
db49her=g49dher-g49bher;
db50her=g50dher-g50bher;
db52her=g52dher-g52bher;

/* age in g9f minus age in b (valid if difference is in range of 1-54)
  g9f = age last time used her */
lb32her=g9f-g32bher;
lb33her=g9f-g33bher;
lb37her=g9f-g37bher;
lb38her=g9f-g38bher;

* A CRITERIA;

if g47aher eq 1 or g48aher eq 1 then hera1=1;
if g42aher eq 1 or g43aher eq 1 or g44aher eq 1 then hera2=1;
if g46aher eq 1 then hera3=1;
if g30aher eq 1 or g31aher eq 1 or g34aher eq 1 then hera4=1;
if g52aher eq 1 then hera5=1;
if g32aher eq 1 and
  ((1 <= g32cher <= 3) and (crtage > g32bher)) or ((g32cher eq 4) and (1 <= db32her <= 54)) then her32a6=1;
if g32aher eq 1 and
  ((1 <= rcuseher <= 3) and (crtage > g32bher)) or ((rcuseher eq 4) and (1 <= lb32her <= 54)) then her32a6=2;
if g32aher eq 1 and g32her eq 1 and then her32a6=3;
if g33aher eq 1 and
  ((1 <= g33cher <= 3) and (crtage > g33bher)) or ((g33cher eq 4) and (1 <= db33her <= 54)) then her33a6=1;
if g33aher eq 1 and
  ((1 <= rcuseher <= 3) and (crtage > g33bher)) or ((rcuseher eq 4) and (1 <= lb33her <= 54)) then her33a6=2;
if g36aher eq 1 then her36a6=1;
if g37aher eq 1 and
  ((1 <= g37cher <= 3) and (crtage > g37bher)) or ((g37cher eq 4) and (1 <= db37her <= 54)) then her37a6=1;
if g37aher eq 1 and
  ((1 <= rcuseher <= 3) and (crtage > g37bher)) or ((rcuseher eq 4) and (1 <= lb37her <= 54)) then her37a6=2;
if g41aher eq 1 then her41a6=1;
if g38aher eq 1 and
((1 <= g38cher <= 3) and (crtage > g38bher))
or ((g38cher eq 4) and (1 <= db38her <= 54)) then her38a6=1;

if g38aher eq 1 and
((1 <= rcuseher <= 3) and (crtage > g38bher))
or ((rcuseher eq 4) and (1 <= lb38her <= 54)) then her38a6=2;
if (1 <= her32a6 <= 3) or (1 <= her33a6 <= 2) or (her36a6 =-1)
or (1 <= her37a6 <= 2) or (her41a6 eq 1) or (1 <= her38a6 <= 2)
then hera6=1;
if g49aher eq 1 then hera7=1;
if g50aher eq 1 then hera8=1;
if g51aher eq 1 then hera9=1;
heratot=sum(of heral-hera9);
if heratot >= 3 then hercrita=1;

* B CRITERIA:

if heral eq 1 then herbl=1;
if g42aher eq 1 and
(( 1 <= g42cher <= 3) and (crtage > g42bher))
or ((g42cher eq 4) and (1 <= db42her <= 54)) then her42b=1;
if g43aher eq 1 and
(( 1 <= g43cher <= 3) and (crtage > g43bher))
or ((g43cher eq 4) and (1 <= db43her <= 54)) then her43b=1;
if g44aher eq 1 and
(( 1 <= g44cher <= 3) and (crtage > g44bher))
or ((g44cher eq 4) and (1 <= db44her <= 54)) then her44b=1;
if her42b eq 1 or her43b eq 1 or her44b eq 1 then herb2=1;
if g46aher eq 1 then herb3=1;
if g30aher eq 1 or g31aher eq 1 or g34aher eq 1 then herb4=1;
if g52aher eq 1 and
(( 1 <= g52cher <= 3) and (crtage > g52bher))
or ((g52cher eq 4) and (1 <= db52her <= 54)) then herb5=1;
if hera6=1 then herb6=1;
if g49aher eq 1 and
(( 1 <= g49cher <= 3) and (crtage > g49bher))
or ((g49cher eq 4) and (1 <= db49her <= 54)) then herb7=1;
if g50aher eq 1 and
(( 1 <= g50cher <= 3) and (crtage > g50bher))
or ((g50cher eq 4) and (1 <= db50her <= 54)) then herb8=1;
herbtot=sum(of herbl-herb8);
if herbtot >= 2 then hercrtib=1;

if hercrita eq 1 and hercrtib eq 1 then dlifher=1; else dlifher=0;

A-50
and/or 2nd A and/or 1st A and/or B age is missing.
rank ages of A3rd, A2nd, Alst, B2nd, Blst and
select max valid as the lifetime onset age
(rather than imputing)
exception: 2 cases still hand-coded see end of program

Ages as stored in nshsdrg.ssd01 are set to 999 rather than '.
When using the min function, . is considered less than a value;
But when a valid age is compared to 999 (as in crtage > 999) the
expression is correctly evaluated as false.

* A Criteria Ages;

if difalc eq 1 and alc1 eq 1 then
oaalcal = min(g47balc,g48balc); else oaalcal=999;
if difalc eq 1 and alca2 eq 1 then
oaalca2 = min(g42balc,g43balc,g44balc); else oaalca2=999;
if difalc eq 1 and alca3 eq 1 then oaalca3 = g46balc; else oaalca3=999;
if difalc eq 1 and alca4 eq 1 then
oaalca4 = min(g30balc,g31balc,g34balc); else oaalca4=999;
if difalc eq 1 and alca5 eq 1 then oaalca5 = g52balc; else oaalca5=999;
if difalc eq 1 and alca6 eq 1 then
oaalca6 = min(g32balc,g33balc,g36balc,g37balc,g38balc,g41balc);
else oaalca6=999;
if difalc eq 1 and alca7 eq 1 then oaalca7 = g49balc; else oaalca7=999;
if difalc eq 1 and alca8 eq 1 then oaalca8 = g50balc; else oaalca8=999;

/* there is no g51balc so cannot make oaalca9 */

* B criteria ages;

if difalc eq 1 and alc1 eq 1 then
oaalcbl = min(g47balc,g48balc); else oaalcb1=999;
if difalc eq 1 and alcb2 eq 1 then
oaalcb2 = min(g42balc,g43balc,g44balc); else oaalcb2=999;
if difalc eq 1 and alcb3 eq 1 then oaalcb3 = g46balc; else oaalcb3=999;
if difalc eq 1 and alcb4 eq 1 then oaalcb4= min(g30balc,g31balc,g34balc);
else oaalcb4=999;
if difalc eq 1 and alcb5 eq 1 then oaalcb5 = g52balc; else oaalcb5=999;
if difalc eq 1 and alcb6 eq 1 then
oaalcb6 =min(g32balc,g33balc,g36balc,g37balc,g38balc,g41balc);
else oaalcb6=999;
if difalc eq 1 and alcb7 eq 1 then oaalcb7 = g49balc; else oaalcb7=999;

A-51
if d1ifalc eq 1 and alcbl eq 1 then oaalcb8 = g50balc; else oaalcb8=999;

alca3rd=ordinal(3, oaalca1, oaalca2, oaalca3, oaalca4, oaalca5, oaalca6, oaalca7, oaalca8);
alca2nd=ordinal(2, oaalca1, oaalca2, oaalca3, oaalca4, oaalca5, oaalca6, oaalca7, oaalca8);
alcalst=ordinal(1, oaalca1, oaalca2, oaalca3, oaalca4, oaalca5, oaalca6, oaalca7, oaalca8);
alcb2nd=ordinal(2, oaalcb1, oaalcb2, oaalcb3, oaalcb4, oaalcb5, oaalcb6, oaalcb7, oaalcb8);
alcb1st=ordinal(1, oaalcb1, oaalcb2, oaalcb3, oaalcb4, oaalcb5, oaalcb6, oaalcb7, oaalcb8);

array missl(*) alca3rd alca2nd alcalst aclb2nd aclb1st;
do i=1 to dim(missl);
  if missl(i)=999 then missl(i)=.; end; drop i;

dloaalc=max(alca3rd,alca2nd,alcalst,aclb2nd,aclb1st);

*---------------------------------------------------*
|          SEDATIVES                   |
*---------------------------------------------------*

/* A Criteria Ages */
if d1ifsed eq 1 and seda1 eq 1 then
  oaseda1 = min(g47bsed,g48bsed); else oaseda1=999;
if d1ifsed eq 1 and seda2 eq 1 then
  oaseda2 = min(g42bsed,g43bsed,g44bsed); else oaseda2=999;
if d1ifsed eq 1 and seda3 eq 1 then
  oaseda3 = g46bsed; else oaseda3=999;
if d1ifsed eq 1 and seda4 eq 1 then
  oaseda4= min(g30bsed,g31bsed,g34bsed); else oaseda4=999;
if d1ifsed eq 1 and seda5 eq 1 then
  oaseda5 = g52bsed; else oaseda5=999;
if d1ifsed eq 1 and seda6 eq 1 then
  oaseda6 =min(g32bsed,g33bsed,g36bsed,g37bsed,g38bsed,g41bsed);
    else oaseda6=999;
if d1ifsed eq 1 and seda7 eq 1 then
  oaseda7 = g49bsed; else oaseda7=999;
if d1ifsed eq 1 and seda8 eq 1 then
  oaseda8 = g50bsed; else oaseda8=999;
/* there is no g51bsed so cannot make oaseda9 */

* B criteria ages;

if d1ifsed eq 1 and sedb1 eq 1 then
  oasedb1 = min(g47bsed,g48bsed); else oasedb1=999;
if d1ifsed eq 1 and sedb2 eq 1 then
  oasedb2 = min(g42bsed,g43bsed,g44bsed); else oasedb2=999;
if d1ifsed eq 1 and sedb3 eq 1 then
  oasedb3 = g46bsed; else oasedb3=999;

A-52
if dlifseq 1 and sedb4 eq 1 then
  oasedb4 = min(g30bsed, g31bsed, g34bsed); else oasedb4 = 999;
if dlifseq 1 and sedb5 eq 1 then
  oasedb5 = g52bsed; else oasedb5 = 999;
if dlifseq 1 and sedb6 eq 1 then
  oasedb6 = min(g32bsed, g33bsed, g36bsed, g37bsed, g38bsed, g41bsed);
  else oasedb6 = 999;
if dlifseq 1 and sedb7 eq 1 then
  oasedb7 = g49bsed; else oasedb7 = 999;
if dlifseq 1 and sedb8 eq 1 then
  oasedb8 = g50bsed; else oasedb8 = 999;

seda3rd = ordinal(3, oaseda1, oaseda2, oaseda3, oaseda4, oaseda5,
  oaseda6, oaseda7, oaseda8);

seda2nd = ordinal(2, oaseda1, oaseda2, oaseda3, oaseda4, oaseda5,
  oaseda6, oaseda7, oaseda8);

sedalst = ordinal(1, oaseda1, oaseda2, oaseda3, oaseda4, oaseda5,
  oaseda6, oaseda7, oaseda8);

sedb2nd = ordinal(2, oasedb1, oasedb2, oasedb3, oasedb4, oasedb5,
  oasedb6, oasedb7, oasedb8);

sedb1st = ordinal(1, oasedb1, oasedb2, oasedb3, oasedb4, oasedb5,
  oasedb6, oasedb7, oasedb8);

array miss2(*) seda3rd seda2nd sedalst sedb2nd sedb1st;
do i=1 to dim(miss2);
  if miss2[i] = 999 then miss2[i] = .; end; drop i;
end;

dloased = max(seda3rd, seda2nd, sedalst, sedb2nd, sedb1st);

--------------------------------------------------------------------------------
TRANQUILIZERS
--------------------------------------------------------------------------------

* A Criteria Ages;

if dliftrq eq 1 and trqal eq 1 then
  oatrqal = min(g47btrq, g48btrq); else oatrqal = 999;
if dliftrq eq 1 and trqa2 eq 1 then
  oatrqa2 = min(g42btrq, g43btrq, g44btrq); else oatrqa2 = 999;
if dliftrq eq 1 and trqa3 eq 1 then
  oatrqa3 = g46btrq; else oatrqa3 = 999;
if dliftrq eq 1 and trqa4 eq 1 then
  oatrqa4 = min(g30btrq, g31btrq, g34btrq); else oatrqa4 = 999;
if dliftrq eq 1 and trqa5 eq 1 then
  oatrqa5 = g52btrq; else oatrqa5 = 999;
if dliftrq eq 1 and trqa6 eq 1 then
  oatrqa6 = min(g32btrq, g33btrq, g36btrq, g37btrq, g38btrq, g41btrq);
  else oatrqa6 = 999;
if dliftrq eq 1 and trqa7 eq 1 then
  oatrqa7 = g49btrq; else oatrqa7 = 999;
if dliftrq eq 1 and trqa8 eq 1 then
  oatrqa8 = g50btrq; else oatrqa8 = 999;
/* there is no g5lbrtrq so cannot make oatrqa9 */

* B criteria ages:

if dlifrtq eq 1 and trqb1 eq 1 then
    oatrqb1 = min(g47btrq,g48btrq); else oatrqb1=999;
if dlifrtq eq 1 and trqb2 eq 1 then
    oatrqb2 = min(g42btrq,g43btrq,g44btrq); else oatrqb2=999;
if dlifrtq eq 1 and trqb3 eq 1 then
    oatrqb3 = g46btrq; else oatrqb3=999;
if dlifrtq eq 1 and trqb4 eq 1 then
    oatrqb4 = min(g30btrq,g31btrq,g34btrq); else oatrqb4=999;
if dlifrtq eq 1 and trqb5 eq 1 then
    oatrqb5 = g52btrq; else oatrqb5=999;
if dlifrtq eq 1 and trqb6 eq 1 then
    oatrqb6 = min(g32btrq,g33btrq,g36btrq,g37btrq,g38btrq,g41btrq);
    else oatrqb6=999;
if dlifrtq eq 1 and trqb7 eq 1 then
    oatrqb7 = g49btrq; else oatrqb7=999;
if dlifrtq eq 1 and trqb8 eq 1 then
    oatrqb8 = g50btrq; else oatrqb8=999;

trqa3rd=ordinal(3, oatrqa1, oatrqa2, oatrqa3, oatrqa4, oatrqa5, oatrqa6, oatrqa7, oatrqa8);
trqa2nd=ordinal(2, oatrqa1, oatrqa2, oatrqa3, oatrqa4, oatrqa5, oatrqa6, oatrqa7, oatrqa8);
trqalst=ordinal(1, oatrqa1, oatrqa2, oatrqa3, oatrqa4, oatrqa5, oatrqa6, oatrqa7, oatrqa8);
trqblst=ordinal(1, oatrqb1, oatrqb2, oatrqb3, oatrqb4, oatrqb5, oatrqb6, oatrqb7, oatrqb8);

array miss3(*) trqa3rd trqa2nd trqalst trqblst;
do i=1 to dim(miss3);
    if miss3(i)=999 then miss3(i)=. ; end; drop i;
dloatrq=max(trqa3rd,trqa2nd,trqalst,trqblst);

*-------------------------------------------------------------*
| STIMULANTS                                                 |
*-------------------------------------------------------------*

* A Criteria Ages:

if dlifsti eq 1 and stial eq 1 then
    oastial = min(g47bsti,g48bsti); else oastial=999;
if dlifsti eq 1 and stia2 eq 1 then
    oastia2 = min(g42bsti,g43bsti,g44bsti); else oastia2=999;
if dlifsti eq 1 and stia3 eq 1 then
    oastia3 = g46bsti; else oastia3=999;
if dlifsti eq 1 and stia4 eq 1 then

A-54
oastia4 = min(g30bsti, g31bsti, g34bsti); else oastia4 = 999;
if dlifsti eq 1 and stia5 eq 1 then
  oastia5 = g52bsti; else oastia5 = 999;
if dlifsti eq 1 and stia6 eq 1 then
  oastia6 = min(g32bsti, g33bsti, g36bsti, g37bsti, g38bsti, g41bsti);
    else oastia6 = 999;
if dlifsti eq 1 and stia7 eq 1 then
  oastia7 = g49bsti; else oastia7 = 999;
if dlifsti eq 1 and stia8 eq 1 then
  oastia8 = g50bsti; else oastia8 = 999;
/* there is no g51bsti so cannot make oastia9 */

* B criteria ages;

if dlifsti eq 1 and stib1 eq 1 then
  oastib1 = min(g47bsti, g48bsti); else oastib1 = 999;
if dlifsti eq 1 and stib2 eq 1 then
  oastib2 = min(g42bsti, g43bsti, g44bsti); else oastib2 = 999;
if dlifsti eq 1 and stib3 eq 1 then
  oastib3 = g46bsti; else oastib3 = 999;
if dlifsti eq 1 and stib4 eq 1 then
  oastib4 = min(g30bsti, g31bsti, g34bsti); else oastib4 = 999;
if dlifsti eq 1 and stib5 eq 1 then
  oastib5 = g52bsti; else oastib5 = 999;
if dlifsti eq 1 and stib6 eq 1 then
  oastib6 = min(g32bsti, g33bsti, g36bsti, g37bsti, g38bsti, g41bsti);
    else oastib6 = 999;
if dlifsti eq 1 and stib7 eq 1 then
  oastib7 = g49bsti; else oastib7 = 999;
if dlifsti eq 1 and stib8 eq 1 then
  oastib8 = g50bsti; else oastib8 = 999;

stia3rd = ordinal(3, oastia1, oastia2, oastia3, oastia4, oastia5,
  oastia6, oastia7, oastia8);
stia2nd = ordinal(2, oastia1, oastia2, oastia3, oastia4, oastia5,
  oastia6, oastia7, oastia8);
stialst = ordinal(1, oastia1, oastia2, oastia3, oastia4, oastia5,
  oastia6, oastia7, oastia8);
stib2nd = ordinal(2, oastib1, oastib2, oastib3, oastib4, oastib5,
  oastib6, oastib7, oastib8);
stiblst = ordinal(1, oastib1, oastib2, oastib3, oastib4, oastib5,
  oastib6, oastib7, oastib8);
array miss4(*) stia3rd stia2nd stialst stib2nd stiblst;
do i=1 to dim(miss4);
  if miss4(i) = 999 then miss4(i) = .; end; drop i;
dloasti = max(stia3rd, stia2nd, stialst, stib2nd, stiblst);
A Criteria Ages:

if dlifags eq 1 and ags1 eq 1 then
  oags1 = min(g47bags, g48bags); else oags1 = 999;
if dlifags eq 1 and ags2 eq 1 then
  oags2 = min(g42bags, g43bags, g44bags); else oags2 = 999;
if dlifags eq 1 and ags3 eq 1 then
  oags3 = g46bags; else oags3 = 999;
if dlifags eq 1 and ags4 eq 1 then
  oags4 = min(g30bags, g31bags, g34bags); else oags4 = 999;
if dlifags eq 1 and ags5 eq 1 then
  oags5 = g52bags; else oags5 = 999;
if dlifags eq 1 and ags6 eq 1 then
  oags6 = min(g32bags, g33bags, g36bags, g37bags, g38bags, g41bags);
    else oags6 = 999;
if dlifags eq 1 and ags7 eq 1 then
  oags7 = g49bags; else oags7 = 999;
if dlifags eq 1 and ags8 eq 1 then
  oags8 = g50bags; else oags8 = 999;
/* there is no g51bags so cannot make oags9 */

B criteria ages:

if dlifags eq 1 and ags1 eq 1 then
  oags1 = min(g47bags, g48bags); else oags1 = 999;
if dlifags eq 1 and ags2 eq 1 then
  oags2 = min(g42bags, g43bags, g44bags); else oags2 = 999;
if dlifags eq 1 and ags3 eq 1 then
  oags3 = g46bags; else oags3 = 999;
if dlifags eq 1 and ags4 eq 1 then
  oags4 = min(g30bags, g31bags, g34bags); else oags4 = 999;
if dlifags eq 1 and ags5 eq 1 then
  oags5 = g52bags; else oags5 = 999;
if dlifags eq 1 and ags6 eq 1 then
  oags6 = min(g32bags, g33bags, g36bags, g37bags, g38bags, g41bags);
    else oags6 = 999;
if dlifags eq 1 and ags7 eq 1 then
  oags7 = g49bags; else oags7 = 999;
if dlifags eq 1 and ags8 eq 1 then
  oags8 = g50bags; else oags8 = 999;

agsa3rd=ordinal(3, oags1, oags2, oags3, oags4, oags5, oags6, oags7, oags8);
agsa2nd=ordinal(2, oags1, oags2, oags3, oags4, oags5, oags6, oags7, oags8);
agsalst=ordinal(1, oags1, oags2, oags3, oags4, oags5, oags6, oags7, oags8);
agsb2nd=ordinal(2, oaagsb1, oaagsb2, oaagsb3, oaagsb4, oaagsb5, oaagsb6, oaagsb7, oaagsb8);
agsb1st=ordinal(1, oaagsb1, oaagsb2, oaagsb3, oaagsb4, oaagsb5, oaagsb6, oaagsb7, oaagsb8);

array miss5(*) agsa3rd agsa2nd agsalst agsb2nd agsb1st;
do i=1 to dim(miss5);
   if miss5(i)=999 then miss5(i)=.; end; drop i;
dloaags=max(agsa3rd,agsa2nd,agsalst,agsb2nd,agsb1st);

------------------------------------------------------------------------
| INHALANTS |

* A Criteria Ages;

   if dllifinh eq 1 and inh1 eq 1 then
      oainh1 = min(g47binh,g48binh); else oainh1=999;
   if dllifinh eq 1 and inh2 eq 1 then
      oainh2 = min(g42binh,g43binh,g44binh); else oainh2=999;
   if dllifinh eq 1 and inh3 eq 1 then
      oainh3 = g46binh; else oainh3=999;
   if dllifinh eq 1 and inh4 eq 1 then
      oainh4 = min(g30binh,g31binh,g34binh); else oainh4=999;
   if dllifinh eq 1 and inh5 eq 1 then
      oainh5 = g52binh; else oainh5=999;
   if dllifinh eq 1 and inh6 eq 1 then
      oainh6 = min(g32binh,g33binh,g36binh,g37binh,g38binh,g41binh);
      else oainh6=999;
   if dllifinh eq 1 and inh7 eq 1 then
      oainh7 = g49binh; else oainh7=999;
   if dllifinh eq 1 and inh8 eq 1 then
      oainh8 = g50binh; else oainh8=999;
   /* there is no g51binh so cannot make oainh9 */

* B criteria ages;

   if dllifinh eq 1 and inhbl eq 1 then
      oainhb1 = min(g47binh,g48binh); else oainhb1=999;
   if dllifinh eq 1 and inhb2 eq 1 then
      oainhb2 = min(g42binh,g43binh,g44binh); else oainhb2=999;
   if dllifinh eq 1 and inhb3 eq 1 then
      oainhb3 = g46binh; else oainhb3=999;
   if dllifinh eq 1 and inhb4 eq 1 then
      oainhb4 = min(g30binh,g31binh,g34binh); else oainhb4=999;
   if dllifinh eq 1 and inhb5 eq 1 then
      oainhb5 = g52binh; else oainhb5=999;
   if dllifinh eq 1 and inhb6 eq 1 then
      oainhb6 = min(g32binh,g33binh,g36binh,g37binh,g38binh,g41binh);
      else oainhb6=999;
   if dllifinh eq 1 and inh7 eq 1 then

A-57
oainhb7 = g49binh; else oainhb7=999;
if dlifinh eq 1 and inh8 eq 1 then
   oainhb8 = g50binh; else oainhb8=999;

inha3rd=ordinal(3, oainhal, oainha2, oainha3, oainha4, oainha5, oainha6, oainha7, oainha8);
inha2nd=ordinal(2, oainhal, oainha2, oainha3, oainha4, oainha5, oainha6, oainha7, oainha8);
inhalst=ordinal(1, oainhal, oainha2, oainha3, oainha4, oainha5, oainha6, oainha7, oainha8);
inhb2nd=ordinal(2, oainhb1, oainhb2, oainhb3, oainhb4, oainhb5, oainhb6, oainhb7, oainhb8);
inhb1st=ordinal(1, oainhb1, oainhb2, oainhb3, oainhb4, oainhb5, oainhb6, oainhb7, oainhb8);

array miss6(*) inha3rd inha2nd inhalst inhb2nd inhblst;
do i=1 to dim(miss6);
   if miss6(i)=999 then miss6(i)=.; end; drop i;

 dloainh=max(inha3rd,inha2nd,inhalst,inhb2nd,inhblst);

*---------------------------------------------------------------
| MARIJUANA                                                  |
*---------------------------------------------------------------

* A Criteria Ages;

if dlifmar eq 1 and maral eq 1 then
   oamaral = min(g47bmar,g48bmar); else oamaral=999;
if dlifmar eq 1 and mara2 eq 1 then
   oamara2 = min(g42bmar,g43bmar,g44bmar); else oamara2=999;
if dlifmar eq 1 and mara3 eq 1 then
   oamara3 = g46bmar; else oamara3=999;
if dlifmar eq 1 and mara4 eq 1 then
   oamara4= min(g30bmar,g31bmar,g34bmar); else oamara4=999;
if dlifmar eq 1 and mara5 eq 1 then
   oamara5 = g52bmar; else oamara5=999;
if dlifmar eq 1 and mara6 eq 1 then
   oamara6 = min(g32bmar,g33bmar,g36bmar,g37bmar,g38bmar,g41bmar);
   else oamara6=999;
if dlifmar eq 1 and mara7 eq 1 then
   oamara7 = g49bmar; else oamara7=999;
if dlifmar eq 1 and mara8 eq 1 then
   oamara8 = g50bmar; else oamara8=999;
/* there is no g51bmar so cannot make oamara9 */

* B criteria ages;

if dlifmar eq 1 and marb1 eq 1 then
   oamarb1 = min(g47bmar,g48bmar); else oamarb1=999;
if dlifmar eq 1 and marb2 eq 1 then

A-58
oamarb2  = min(g42bmar,g43bmar,g44bmar); else oamarb2=999;
if difmar eq 1 and marb3 eq 1 then
  oamarb3  = g46bmar; else oamarb3=999;
if difmar eq 1 and marb4 eq 1 then
  oamarb4 = min(g30bmar,g31bmar,g34bmar); else oamarb4=999;
if difmar eq 1 and marb5 eq 1 then
  oamarb5  = g52bmar; else oamarb5=999;
if difmar eq 1 and marb6 eq 1 then
  oamarb6 = min(g32bmar,g33bmar,g36bmar,g37bmar,g38bmar,g41bmar);
  else oamarb6=999;
if difmar eq 1 and marb7 eq 1 then
  oamarb7  = g49bmar; else oamarb7=999;
if difmar eq 1 and marb8 eq 1 then
  oamarb8  = g50bmar; else oamarb8=999;

mara3rd=ordinal(3, oamaral, oamara2, oamara3, oamara4, oamara5, oamara6, oamara7, oamara8);
mara2nd=ordinal(2, oamaral, oamara2, oamara3, oamara4, oamara5, oamara6, oamara7, oamara8);
mara1st=ordinal(1, oamaral, oamara2, oamara3, oamara4, oamara5, oamara6, oamara7, oamara8);
marb2nd=ordinal(2, oamrb1, oamrb2, oamrb3, oamrb4, oamrb5, oamrb6, oamrb7, oamrb8);
marb1st=ordinal(1, oamrb1, oamrb2, oamrb3, oamrb4, oamrb5, oamrb6, oamrb7, oamrb8);

array miss7(*) mara3rd mara2nd mara1st marb2nd marb1st;
do i=1 to dim(miss7);
  if miss7(i)=999 then miss7(i)=.; end; drop i;

dloamar=max(mara3rd,mara2nd,mara1st,marb2nd,marb1st);

*---------------------------------------------------------------*
   |      COCAINE       |
*---------------------------------------------------------------*

* A Criteria Ages;

if dlfcoc eq 1 and cocal eq 1 then
  oacocal = min(g47bcoc,g48bcoc); else oacocal=999;
if dlfcoc eq 1 and coca2 eq 1 then
  oacoca2 = min(g42bcoc,g43bcoc,g44bcoc); else oacoca2=999;
if dlfcoc eq 1 and coca3 eq 1 then
  oacoca3 = g46bcoc; else oacoca3=999;
if dlfcoc eq 1 and coca4 eq 1 then
  oacoca4 = min(g30bcoc,g31bcoc,g34bcoc); else oacoca4=999;
if dlfcoc eq 1 and coca5 eq 1 then
  oacoca5 = g52bcoc; else oacoca5=999;
if dlfcoc eq 1 and coca6 eq 1 then
  oacoca6 = min(g32bcoc,g33bcoc,g36bcoc,g37bcoc,g38bcoc,g41bcoc);
  else oacoca6=999;
if dlfcoc eq 1 and coca7 eq 1 then

A-59
oacoca7 = g49bcoc; else oacoca7=999;
if dllifcoc eq 1 and coca8 eq 1 then
   oacoca8 = g50bcoc; else oacoca8=999;
/* there is no g51bcoc so cannot make oacoca9 */

* B criteria ages:

  if dllifcoc eq 1 and cocb1 eq 1 then
     oacocb1 = min(g47bcoc,g48bcoc); else oacocb1=999;
  if dllifcoc eq 1 and cocb2 eq 1 then
     oacocb2 = min(g42bcoc,g43bcoc,g44bcoc); else oacocb2=999;
  if dllifcoc eq 1 and cocb3 eq 1 then
     oacocb3 = g46bcoc; else oacocb3=999;
  if dllifcoc eq 1 and cocb4 eq 1 then
     oacocb4= min(g30bcoc,g31bcoc,g34bcoc); else oacocb4=999;
  if dllifcoc eq 1 and cocb5 eq 1 then
     oacocb5 = g52bcoc; else oacocb5=999;
  if dllifcoc eq 1 and cocb6 eq 1 then
     oacocb6 = min(g32bcoc,g33bcoc,g36bcoc,g37bcoc,g38bcoc,g41bcoc);
        else oacocb6=999;
  if dllifcoc eq 1 and cocb7 eq 1 then
     oacocb7 = g49bcoc; else oacocb7=999;
  if dllifcoc eq 1 and cocb8 eq 1 then
     oacocb8 = g50bcoc; else oacocb8=999;

  coca3rd=ordinal(3, oacoca1, oacoca2, oacoca3, oacoca4, oacoca5,
                       oacoca6, oacoca7, oacoca8);
  coca2nd=ordinal(2, oacoca1, oacoca2, oacoca3, oacoca4, oacoca5,
                       oacoca6, oacoca7, oacoca8);
  coca1st=ordinal(1, oacoca1, oacoca2, oacoca3, oacoca4, oacoca5,
                       oacoca6, oacoca7, oacoca8);
  cocb2nd=ordinal(2, oacocb1, oacocb2, oacocb3, oacocb4, oacocb5,
                       oacocb6, oacocb7, oacocb8);
  cocb1st=ordinal(1, oacocb1, oacocb2, oacocb3, oacocb4, oacocb5,
                       oacocb6, oacocb7, oacocb8);

  array miss8(*) coca3rd coca2nd coca1st cocb2nd cocb1st;
  do i=1 to dim(miss8);
     if miss8(i)=999 then miss8(i)=.; end; drop i;

  dloacoc=max(coca3rd,coca2nd,coca1st,cocb2nd,cocb1st);

*---------------------------------------------------------------------*|
| HALLUCINOGENS                                                      |
*---------------------------------------------------------------------*;

/* A Criteria Ages */
if dllifhal eq 1 and halal eq 1 then
   oahalal = min(g47bhhal,g48bhhal); else oahalal=999;
if dllifhal eq 1 and halala eq 1 then
   oahala2 = min(g42bhhal,g43bhhal,g44bhhal); else oahala2=999;
if dllifhal eq 1 and halala eq 1 then
oahala3 = g46bhal; else oahala3=999;
if dlifhal eq 1 and hala4 eq 1 then
    oahala4= min(g30bhal,g31bhal,g34bhal); else oahala4=999;
if dlifhal eq 1 and hala5 eq 1 then
    oahala5 = g52bhal; else oahala5=999;
if dlifhal eq 1 and hala6 eq 1 then
    oahala6 = min(g32bhal,g33bhal,g36bhal,g37bhal,g38bhal,g41bhal); 
    else oahala6=999;
if dlifhal eq 1 and hala7 eq 1 then
    oahala7 = g49bhal; else oahala7=999;
if dlifhal eq 1 and hala8 eq 1 then
    oahala8 = g50bhal; else oahala8=999;
/* there is no g51bhal so cannot make oahala9 */

* B criteria ages;

if dlifhal eq 1 and halb1 eq 1 then
    oahalb1 = min(g47bhal,g48bhal); else oahalb1=999;
if dlifhal eq 1 and halb2 eq 1 then
    oahalb2 = min(g42bhal,g43bhal,g44bhal); else oahalb2=999;
if dlifhal eq 1 and halb3 eq 1 then
    oahalb3 = g46bhal; else oahalb3=999;
if dlifhal eq 1 and halb4 eq 1 then
    oahalb4= min(g30bhal,g31bhal,g34bhal); else oahalb4=999;
if dlifhal eq 1 and halb5 eq 1 then
    oahalb5 = g52bhal; else oahalb5=999;
if dlifhal eq 1 and halb6 eq 1 then
    oahalb6 = min(g32bhal,g33bhal,g36bhal,g37bhal,g38bhal,g41bhal); 
    else oahalb6=999;
if dlifhal eq 1 and halb7 eq 1 then
    oahalb7 = g49bhal; else oahalb7=999;
if dlifhal eq 1 and halb8 eq 1 then
    oahalb8 = g50bhal; else oahalb8=999;

hala3rd=ordinal(3, oahala1, oahala2, oahala3, oahala4, oahala5, 
    oahala6, oahala7, oahala8);
hala2nd=ordinal(2, oahala1, oahala2, oahala3, oahala4, oahala5, 
    oahala6, oahala7, oahala8);
hala1st=ordinal(1, oahala1, oahala2, oahala3, oahala4, oahala5, 
    oahala6, oahala7, oahala8);
halb2nd=ordinal(2, oahalb1, oahalb2, oahalb3, oahalb4, oahalb5, 
    oahalb6, oahalb7, oahalb8);
halb1st=ordinal(1, oahalb1, oahalb2, oahalb3, oahalb4, oahalb5, 
    oahalb6, oahalb7, oahalb8);

array miss9(*) hala3rd hala2nd halalst halb2nd halb1st;
do i=1 to dim(miss9);
    if miss9(i)=999 then miss9(i)=.; end; drop i;
dloahal=max(hala3rd,hala2nd,hala1st,halb2nd,halb1st);

A-61
* A Criteria Ages;

    if dlipher eq 1 and hera1 eq 1 then
        oahera1 = min(g47bher,g48bher); else oahera1=999;
    if dlipher eq 1 and hera2 eq 1 then
        oahera2 = min(g42bher,g43bher,g44bher); else oahera2=999;
    if dlipher eq 1 and hera3 eq 1 then
        oahera3 = g46bher; else oahera3=999;
    if dlipher eq 1 and hera4 eq 1 then
        oahera4 = min(g30bher,g31bher,g34bher); else oahera4=999;
    if dlipher eq 1 and hera5 eq 1 then
        oahera5 = g52bher; else oahera5=999;
    if dlipher eq 1 and hera6 eq 1 then
        oahera6 = min(g32bher,g33bher,g36bher,g37bher,g38bher,g41bher);
        else oahera6=999;
    if dlipher eq 1 and hera7 eq 1 then
        oahera7 = g49bher; else oahera7=999;
    if dlipher eq 1 and hera8 eq 1 then
        oahera8 = g50bher; else oahera8=999;
        /* there is no g51bher so cannot make oahera9 */

* B criteria ages;

    if dlipher eq 1 and herb1 eq 1 then
        oaherb1 = min(g47bher,g48bher); else oaherb1=999;
    if dlipher eq 1 and herb2 eq 1 then
        oaherb2 = min(g42bher,g43bher,g44bher); else oaherb2=999;
    if dlipher eq 1 and herb3 eq 1 then
        oaherb3 = g46bher; else oaherb3=999;
    if dlipher eq 1 and herb4 eq 1 then
        oaherb4 = min(g30bher,g31bher,g34bher); else oaherb4=999;
    if dlipher eq 1 and herb5 eq 1 then
        oaherb5 = g52bher; else oaherb5=999;
    if dlipher eq 1 and herb6 eq 1 then
        oaherb6 = min(g32bher,g33bher,g36bher,g37bher,g38bher,g41bher);
        else oaherb6=999;
    if dlipher eq 1 and herb7 eq 1 then
        oaherb7 = g49bher; else oaherb7=999;
    if dlipher eq 1 and herb8 eq 1 then
        oaherb8 = g50bher; else oaherb8=999;

hera3rd=ordinal(3, oahera1, oahera2, oahera3, oahera4, oahera5,
                  oahera6, oahera7, oahera8);
hera2nd=ordinal(2, oahera1, oahera2, oahera3, oahera4, oahera5,
                  oahera6, oahera7, oahera8);
heralst=ordinal(1, oahera1, oahera2, oahera3, oahera4, oahera5,
                oahera6, oahera7, oahera8);
herb2nd=ordinal(2, oaherb1, oaherb2, oaherb3, oaherb4, oaherb5, oaherb6, oaherb7, oaherb8);
herblst=ordinal(1, oaherb1, oaherb2, oaherb3, oaherb4, oaherb5, oaherb6, oaherb7, oaherb8);

array miss10(*) hera3rd hera2nd heralst herb2nd herblst;
do i=1 to dim(miss10);
  if miss10(i)=999 then miss10(i)=.; end; drop i;

dloaher=max(hera3rd,hera2nd,heralst,herb2nd,herblst);
**************
/* 3. DRUG3.SAS
   DRUG DEPENDENCE ONSET AGE, RECENCY, RECENCY AGE, etc

   (## denotes: "Full Dependence Criteria Not Required")
   ## D1Pxxxx: Dependence ever had at least 1 problem
   ## D1POAxxxx: Dependence first Problem Onset Age
   ## DPRECxxx: Dependence problem, RECENCY
   ## DPRAGxxxx: Dependence problem, RECENCY AGE

   DFLYxxx: DEPENDENCE, FULL criteria in PAST 12 MONTHS (Y/N)
   DF1Mxxx: DEPENDENCE, FULL criteria in PAST MONTH
*/

--------------------------------------

EVER HAD AT LEAST 1 DEPENDENCE PROBLEM?
## full criteria not required
  1 = yes  0 = no
  var names: D1Pxxxx  (DTPxxx = Dep TOTAL # PROB)

--------------------------------------

array pralc(*)
g30aalc g31aalc g32aalc g33aalc g34aalc g36aalc g37aalc g38aalc
g41aalc g42aalc g43aalc g44aalc g46aalc g47aalc g48aalc
g49aalc g50aalc g51aalc g52aalc;
dtpalc=0;
do i=1 to dim(pralc);
   if pralc(i)=1 then dtpalc=dtpalc+1;
   if dtpalc >= 1 then dlpalc=1; else dlpalc=0;
end; drop i;

array prsed(*)
g30ased g31ased g32ased g33ased g34ased g36ased g37ased g38ased
g41ased g42ased g43ased g44ased g46ased g47ased g48ased
g49ased g50ased g51ased g52ased;
dtpsed=0;
do i=1 to dim(prsed);
   if prsed(i)=1 then dtpsed=dtpsed+1;
   if dtpsed >= 1 then dlpxed=1; else dlpxed=0;
end; drop i;

array prtrq(*)
g30atrq g31atrq g32atrq g33atrq g34atrq g36atrq g37atrq g38atrq
g41atrq g42atrq g43atrq g44atrq g46atrq g47atrq g48atrq
g49atrq g50atrq g51atrq g52atrq;
dtptrq=0;
do i=1 to dim(prtrq);
   if prtrq(i)=1 then dtptrq=dtptrq+1;
   if dtptrq >= 1 then dlpdrq=1; else dlpdrq=0;
end; drop i;

A-64
array prsti(*)
g30asti g31asti g32asti g33asti g34asti g36asti g37asti g38asti
g41asti g42asti g43asti g44asti g46asti g47asti g48asti
g49asti g50asti g51asti g52asti;
dtpsti=0;
do i=1 to dim(prsti);
  if prsti(i)=1 then dtpsti=dtpsti+1;
  if dtpsti >= 1 then dlpsti=1; else dlpsti=0;
end; drop i;

array prags(*)
g30aags g31aags g32aags g33aags g34aags g36aags g37aags g38aags
g41aags g42aags g43aags g44aags g46aags g47aags g48aags
g49aags g50aags g51aags g52aags;
dtpags=0;
do i=1 to dim(prags);
  if prags(i)=1 then dtpags=dtpags+1;
  if dtpags >= 1 then dlpags=1; else dlpags=0;
end; drop i;

array prinh(*)
g30ainh g31ainh g32ainh g33ainh g34ainh g36ainh g37ainh g38ainh
g41ainh g42ainh g43ainh g44ainh g46ainh g47ainh g48ainh
g49ainh g50ainh g51ainh g52ainh;
dtpinh=0;
do i=1 to dim(prinh);
  if prinh(i)=1 then dtpinh=dtpinh+1;
  if dtpinh >= 1 then dlpinh=1; else dlpinh=0;
end; drop i;

array prmar(*)
g30amar g31amar g32amar g33amar g34amar g36amar g37amar g38amar
g41amar g42amar g43amar g44amar g46amar g47amar g48amar
g49amar g50amar g51amar g52amar;
dtpmar=0;
do i=1 to dim(prmar);
  if prmar(i)=1 then dtpmar=dtpmar+1;
  if dtpmar >= 1 then dlpmar=1; else dlpmar=0;
end; drop i;

array prcoc(*)
g30acoc g31acoc g32acoc g33acoc g34acoc g36acoc g37acoc g38acoc
g41acoc g42acoc g43acoc g44acoc g46acoc g47acoc g48acoc
g49acoc g50acoc g51acoc g52acoc;
dtpcoc=0;
do i=1 to dim(prcoc);
  if prcoc(i)=1 then dtpcoc=dtpcoc+1;
  if dtpcoc >= 1 then dlpcoc=1; else dlpcoc=0;
end; drop i;

array prhal(*)
g30ahal g31ahal g32ahal g33ahal g34ahal g36ahal g37ahal g38ahal

A-65
g41ahal g42ahal g43ahal g44ahal g46ahal g47ahal g48ahal
g49ahal g50ahal g51ahal g52ahal;
dtphal=0;
do i=1 to dim(prhal);
  if prhal(i)=1 then dtphal=dtphal+1;
  if dtphal >= 1 then dlphal=1; else dlphal=0;
end; drop i;

array prher(*)
g30aher g31aher g32aher g33aher g34aher g36aher g37aher
g41aher g42aher g43aher g44aher g46aher g47aher g48aher
g49aher g50aher g51aher g52aher;
dtpher=0;
do i=1 to dim(prhal);
  if prher(i)=1 then dtpher=dtpher+1;
  if dtpher >= 1 then dlpher=1; else dlpher=0;
end; drop i;

******************************************************************************

DEPENDENCE PROBLEM, ONSET AGE
## full criteria not required ***
missing and not applicable age codes are set to 999
minimum function will select lowest age 1-55 or 999
var names: D1POAxxx note no g51b
******************************************************************************;

D1POAALC=min(g30balc,g31balc,g32balc,g33balc,g34balc,g36balc,g37balc,
g38balc,g41balc,g42balc,g43balc,g44balc,g46balc,g47balc,
g48balc,g49balc,g50balc,g52balc);
  if dlpoaalc eq 999 then dlpoaalc=.;

D1POASED=min(g30bsed,g31bsed,g32bsed,g33bsed,g34bsed,g36bsed,g37bsed,
g38bsed,g41bsed,g42bsed,g43bsed,g44bsed,g46bsed,g47bsed,
g48bsed,g49bsed,g50bsed,g52bsed);
  if dlpoased eq 999 then dlpoased=.;

D1POATRQ=min(g30btrq,g31btrq,g32btrq,g33btrq,g34btrq,g36btrq,g37btrq,
g38btrq,g41btrq,g42btrq,g43btrq,g44btrq,g46btrq,g47btrq,
g48btrq,g49btrq,g50btrq,g52btrq);
  if dlpoatrq eq 999 then dlpoatrq=.;

D1POASTI=min(g30bsti,g31bsti,g32bsti,g33bsti,g34bsti,g36bsti,g37bsti,
g38bsti,g41bsti,g42bsti,g43bsti,g44bsti,g46bsti,g47bsti,
g48bsti,g49bsti,g50bsti,g52bsti);
  if dlpoasti eq 999 then dlpoasti=.;

D1POAGS=min(g30bags,g31bags,g32bags,g33bags,g34bags,g36bags,g37bags,
g38bags,g41bags,g42bags,g43bags,g44bags,g46bags,g47bags,
g48bags,g49bags,g50bags,g52bags);
  if dlpoags eq 999 then dlpoags=.;
D1POAINH=min(g30binh,g31binh,g32binh,g33binh,g34binh,g36binh,g37binh,
g38binh,g41binh,g42binh,g43binh,g44binh,g46binh,g47binh,
g48binh,g49binh,g50binh,g52binh);
if dlpoainh eq 999 then dlpoainh=.;

D1POAMAR=min(g30bmar,g31bmar,g32bmar,g33bmar,g36bmar,g37bmar,
g38bmar,g41bmar,g42bmar,g43bmar,g44bmar,g46bmar,g47bmar,
g48bmar,g49bmar,g50bmar,g52bmar);
if dlpoamar eq 999 then dlpoamar=.;

D1POACOC=min(g30bcoc,g31bcoc,g32bcoc,g33bcoc,g36bcoc,g37bcoc,
g38bcoc,g41bcoc,g42bcoc,g43bcoc,g44bcoc,g46bcoc,g47bcoc,
g48bcoc,g49bcoc,g50bcoc,g52bcoc);
if dlpoacoc eq 999 then dlpoacoc=.;

D1POAHAL=min(g30bhal,g31bhal,g32bhal,g33bhal,g36bhal,g37bhal,
g38bhal,g41bhal,g42bhal,g43bhal,g44bhal,g46bhal,g47bhal,
g48bhal,g49bhal,g50bhal,g52bhal);
if dlpoahal eq 999 then dlpoahal=.;

D1POAHER=min(g30bher,g31bher,g32bher,g33bher,g36bher,g37bher,
g38bher,g41bher,g42bher,g43bher,g44bher,g46bher,g47bher,
g48bher,g49bher,g50bher,g52bher);
if dlpoaer eq 999 then dlpoaer=.;

*--------------------------------------------------------------------------*
| DEPENDENCE PROBLEM, REGENCY (minimum valid code)                           |
| # full criteria not required                                              |
| 1 = past month 2 = past 6 months 3 = past yr 4 = more than a yr           |
| var names: DPRECxxx (note no g36c)                                        |
*--------------------------------------------------------------------------*

array missc(*)
g30calc g31calc g32calc g33calc g34calc g37calc g38calc
g41calc g42calc g43calc g44calc g46calc g47calc g48calc
g49calc g50calc g52calc
g30csed g31csed g32csed g33csed g34csed g37csed g38csed
g41csed g42csed g43csed g44csed g46csed g47csed g48csed
g49csed g50csed g52csed
g30ctrq g31ctrq g32ctrq g33ctrq g34ctrq g37ctrq g38ctrq
g41ctrq g42ctrq g43ctrq g44ctrq g46ctrq g47ctrq g48ctrq
g49ctrq g50ctrq g52ctrq
g30csti g31csti g32csti g33csti g34csti g37csti g38csti
g41csti g42csti g43csti g44csti g46csti g47csti g48csti
g49csti g50csti g52csti
g30cags g31cags g32cags g33cags g34cags g37cags g38cags
g41cags g42cags g43cags g44cags g46cags g47cags g48cags
g49cags g50cags g52cags
g30cinh g31cinh g32cinh g33cinh g34cinh g37cinh g38cinh
g41cinh g42cinh g43cinh g44cinh g46cinh g47cinh g48cinh
g49cinh g50cinh g52cinh

A-67
do i=1 to dim(missc);
    if missc(i)>= 8 or missc(i)=. or missc(i)=0 then missc(i)=9;
end;
drop i;

DPRECALC=min(g30calc,g31calc,g32calc,g33calc,g34calc,g37calc,
g38calc,g41calc,g42calc,g43calc,g44calc,g46calc,g47calc,
g48calc,g49calc,g50calc,g52calc);

DPRECSED=min(g30csed,g31csed,g32csed,g33csed,g34csed,g37csed,
g38csed,g41csed,g42csed,g43csed,g44csed,g46csed,g47csed,
g48csed,g49csed,g50csed,g52csed);

DPRECTRQ=min(g30ctrq,g31ctrq,g32ctrq,g33ctrq,g34ctrq,g37ctrq,
g38ctrq,g41ctrq,g42ctrq,g43ctrq,g44ctrq,g46ctrq,g47ctrq,
g48ctrq,g49ctrq,g50ctrq,g52ctrq);

DPRECSTI=min(g30csti,g31csti,g32csti,g33csti,g34csti,g37csti,
g38csti,g41csti,g42csti,g43csti,g44csti,g46csti,g47csti,
g48csti,g49csti,g50csti,g52csti);

DPRECAGS=min(g30cags,g31cags,g32cags,g33cags,g34cags,g37cags,
g38cags,g41cags,g42cags,g43cags,g44cags,g46cags,g47cags,
g48cags,g49cags,g50cags,g52cags);

DPRECINH=min(g30cinh,g31cinh,g32cinh,g33cinh,g34cinh,g37cinh,
g38cinh,g41cinh,g42cinh,g43cinh,g44cinh,g46cinh,g47cinh,
g48cinh,g49cinh,g50cinh,g52cinh);

DPRECMAR=min(g30cmar,g31cmar,g32cmar,g33cmar,g34cmar,g37cmar,
g38cmar,g41cmar,g42cmar,g43cmar,g44cmar,g46cmar,g47cmar,
g48cmar,g49cmar,g50cmar,g52cmar);
DPRECCOC = \min(g30ccoc, g31ccoc, g32ccoc, g33ccoc, g34ccoc, g37ccoc, g38ccoc, g41ccoc, g42ccoc, g43ccoc, g44ccoc, g46ccoc, g47ccoc, g48ccoc, g49ccoc, g50ccoc, g52ccoc);

DPRECHAL = \min(g30chal, g31chal, g32chal, g33chal, g34chal, g37chal, g38chal, g41chal, g42chal, g43chal, g44chal, g46chal, g47chal, g48chal, g49chal, g50chal, g52chal);

DPRECHER = \min(g30cher, g31cher, g32cher, g33cher, g34cher, g37cher, g38cher, g41cher, g42cher, g43cher, g44cher, g46cher, g47cher, g48cher, g49cher, g50cher, g52cher);
DEPENDENCE PROBLEM, REGENCY AGE  
(full criteria not required)
maximum of valid age codes 1-55 among the 'd' items
missing ages set to . which is smaller than valid ages
variable names: DPRAGxxx

array missd(*)
  g30dalc g31dalc g32dalc g33dalc g34dalc g37dalc g38dalc
g41dalc g42dalc g43dalc g44dalc g46dalc g47dalc g48dalc
g49dalc g50dalc g52dalc

  g30dsed g31dsed g32dsed g33dsed g34dsed g37dsed g38dsed
g41dsed g42dsed g43dsed g44dsed g46dsed g47dsed g48dsed

  g49dsed g50dsed g52dsed

  g30dtrq g31dtrq g32dtrq g33dtrq g34dtrq g37dtrq g38dtrq

  g41dtrq g42dtrq g43dtrq g44dtrq g46dtrq g47dtrq g48dtrq

  g49dtrq g50dtrq g52dtrq

  g30dsti g31dsti g32dsti g33dsci g34dsti g37dsti g38dsti

  g41dsti g42dsti g43dsci g44dsti g46dsci g47dsti g48dsti

  g49dsti g50dsci g52dsti

  g30dags g31dags g32dags g33dags g34dags g37dags g38dags

  g41dags g42dags g43dags g44dags g46dags g47dags g48dags

  g49dags g50dags g52dags

  g30dinhl g31dinh g32dinhl g33dinhl g34dinhl g37dinhl g38dinhl

  g41dinh g42dinh g43dinh g44dinh g46dinh g47dinh g48dinhl

  g49dinh g50dinh g52dinh

  g30dmar g31dmar g32dmar g33dmar g34dmar g37dmar g38dmar

  g41dmar g42dmar g43dmar g44dmar g46dmar g47dmar g48dmar

  g49dmar g50dmar g52dmar

  g30dccc g31dccc g32dccc g33dccc g34dccc g37dccc g38dccc

  g41dccc g42dccc g43dccc g44dccc g46dccc g47dccc g48dccc

  g49dccc g50dccc g52dccc

  g30dhal g31dhal g32dhal g33dhal g34dhal g37dhal g38dhal

  g41dhal g42dhal g43dhal g44dhal g46dhal g47dhal g48dhal

  g49dhal g50dhal g52dhal

  g30dher g31dher g32dher g33dher g34dher g37dher g38dher

  g41dher g42dher g43dher g44dher g46dher g47dher g48dher

  g49dher g50dher g52dher;

do i=1 to dim(missd);
  if missd(i)= 999 then missd(i)=.;
end;

drop i;
if dprcalc eq 4 then DPRAGALC=

  max(g30dalc,g31dalc,g32dalc,g33dalc,g34dalc,g37dalc,g38dalc,

  g41dalc,g42dalc,g43dalc,g44dalc,g46dalc,g47dalc,g48dalc,

  g49dalc,g50dalc,g52dalc); if 1 <= dprcalc <= 3 then DPRAGALC=crtage;
  if dpralc=999 then dpralc=.;
  if dprecse= eq 4 then DFRAGSED=

A-70
max(g30dse, g31dse, g32dse, g33dse, g34dse, g37dse, g38dse,
g41dse, g42dse, g43dse, g44dse, g46dse, g47dse, g48dse,
g49dse, g50dse, g52dse);
  if 1 <= dprecsed <= 3 then DPRAGSED-crtage;
  if dpragsed=999 then dpragsed=--;
  if dprectrq eq 4 then DPRAGTRQ--
max(g30dtrq, g31dtrq, g32dtrq, g33dtrq, g34dtrq, g37dtrq, g38dtrq,
g41dtrq, g42dtrq, g43dtrq, g44dtrq, g46dtrq, g47dtrq, g48dtrq,
g49dtrq, g50dtrq, g52dtrq);
  if 1 <= dprectrq <= 3 then DPRAGTRQ-crtage;
  if dpragtrq=999 then dpragtrq=--;
  if dprecesti eq 4 then DPRAGSTI-
max(g30dsti, g31dsti, g32dsti, g33dsti, g34dsti, g37dsti, g38dsti,
g41dsti, g42dsti, g43dsti, g44dsti, g46dsti, g47dsti, g48dsti,
g49dsti, g50dsti, g52dsti);
  if 1 <= dprecesti <= 3 then DPRAGSTI-crtage;
  if dpragsti=999 then dpragsti=--;
  if dprecags eq 4 then DPRAGAGS-
max(g30dags, g31dags, g32dags, g33dags, g34dags, g37dags, g38dags,
g41dags, g42dags, g43dags, g44dags, g46dags, g47dags, g48dags,
g49dags, g50dags, g52dags);
  if 1 <= dprecags <= 3 then DPRAGAGS-crtage;
  if dpragags=999 then dpragags=--;
  if dprecinh eq 4 then DPRAGINH-
max(g30dinh, g31dinh, g32dinh, g33dinh, g34dinh, g37dinh, g38dinh,
g41dinh, g42dinh, g43dinh, g44dinh, g46dinh, g47dinh, g48dinh,
g49dinh, g50dinh, g52dinh);
  if 1 <= dprecinh <= 3 then DPRAGINH-crtage;
  if dpraginh=999 then dpraginh=--;
  if dprecmar eq 4 then DPRAGMAR-
max(g30dmarr, g31dmarr, g32dmarr, g33dmarr, g34dmarr, g37dmarr, g38dmarr,
g41dmarr, g42dmarr, g43dmarr, g44dmarr, g46dmarr, g47dmarr, g48dmarr,
g49dmarr, g50dmarr, g52dmarr);
  if 1 <= dprecmar <= 3 then DPRAGMAR-crtage;
  if dpragmar=999 then dpragmar=--;
  if dpreccoc eq 4 then DPRAGCOC-
max(g30dcoc, g31dcoc, g32dcoc, g33dcoc, g34dcoc, g37dcoc, g38dcoc,
g41dcoc, g42dcoc, g43dcoc, g44dcoc, g46dcoc, g47dcoc, g48dcoc,
g49dcoc, g50dcoc, g52dcoc);
if l <= dpreccoc <= 3 then DPRAGCOC=crtage;
if dpragcoc=999 then dpragcoc=.
if dprechal eq 4 then DPRAGHAL=
max(g30dhal,g31dhal,g32dhal,g33dhal,g34dhal,g37dhal,g38dhal,
g41dhal,g42dhal,g43dhal,g44dhal,g46dhal,g47dhal,g48dhal,
g49dhal,g50dhal,g52dhal);
if l <= dprechal <= 3 then DPRAGHAL=crtage;
if dpraghal=999 then dprag=.
if dprecher eq 4 then DPRAGHER=
max(g30dher,g31dher,g32dher,g33dher,g34dher,g37dher,g38dher,
g41dher,g42dher,g43dher,g44dher,g46dher,g47dher,g48dher,
g49dher,g50dher,g52dher);
if l <= dprecher <= 3 then DPRAGHER=crtage;
if dpragher=999 then dpragher=.
DEPNDENCE FULL CRITERIA DURING PAST 12 MONTHS
had 3 A and 2 B criteria all within the past year.
note difference from lifetime criteria: only 8 A criteria
available (no g51cxxx0) also no g36c, no g36d
1=yes 0=no
VAR NAMES: DF1Yxx

* ALCOHOL full dependence during past 12 months;
   if alca1=1 and
       (1 <= g47calc <= 3) or (1 <= g48calc <= 3)   then pyalca1=1;
   if alca2=1 and
       (1 <= g42calc <= 3) or (1 <= g43calc <= 3)
       or (1 <= g44calc <= 3)   then pyalca2=1;
   if alca3=1 and
       (1 <= g46calc <= 3)   then pyalca3=1;
   if alca4=1 and
       ((1 <= g30calc <= 3) or (1 <= g31calc <= 3))
       or (1 <= g34calc <= 3)   then pyalca4=1;
   if alca5=1 and
       (1 <= g52calc <= 3)   then pyalca5=1;
   if alca6=1 and
       ((1 <= g32calc <= 3) and (crtage > g32balc or g32ealc=1))
       or ((1 <= g33calc <= 3) and (crtage > g33balc))
       or ((1 <= g37calc <= 3) and (crtage > g37balc))
       or ((1 <= g38calc <= 3) and (crtage > g38balc))   then pyalca6=1;
   if g41aalc eq 1 and (1 <= g41calc <= 3)   then pyalca6=1;
   if drk12pyr eq 1 and
       ((g32aalc eq 1) and (crtage > g32balc or g32ealc=1))
       or ((g33aalc eq 1) and (crtage > g33balc))
       or ((g37aalc eq 1) and (crtage > g37balc))
       or ((g38aalc eq 1) and (crtage > g38balc))   then pyalca6=1;
   if alca7=1 and (1 <= g49calc <= 3)   then pyalca7=1;
   if alca8=1 and (1 <= g50calc <= 3)   then pyalca8=1;
   if pyalca1=1   then pyalcb1=1;
   if pyalca2=1 and
       ((g42aalc=1) & (1 <= g42calc <= 3) & (crtage > g42balc))
       or ((g43aalc=1) & (1 <= g43calc <= 3) & (crtage > g43balc))
       or ((g44aalc=1) & (1 <= g44calc <= 3) & (crtage > g44balc))   then pyalcb2=1;
   if pyalca3=1
   if pyalca4=1
   if pyalca5=1 and
       ((g52aalc=1) & (1 <= g52calc <= 3) & (crtage > g52balc))
       or ((g53aalc=1) & (1 <= g53calc <= 3) & (crtage > g53balc))
       or ((g54aalc=1) & (1 <= g54calc <= 3) & (crtage > g54balc))   then pyalcb5=1;
   if pyalca6=1
   if pyalca7=1 and
       ((g49aalc=1) & (1 <= g49calc <= 3) & (crtage > g49balc))
       or ((g50aalc=1) & (1 <= g50calc <= 3) & (crtage > g50balc))   then pyalcb7=1;
   if pyalca8=1 and
       ((g50aalc=1) & (1 <= g50calc <= 3) & (crtage > g50balc))

A-73
pyalcat = sum( of pyalcal-pyalca8);
pyalcbt = sum( of pyalcbl-pyalcb8);

if pyalcat >= 3 and pyalcbt >= 2 then dflyalc = 1; else dflyalc = 0;

*---------------------------------------------*
| SEDATIVES full dependence during past 12 months |
*---------------------------------------------*

if seda1 = 1 and
   (1 <= gc7csed <= 3) or (1 <= gc8csed <= 3) then pyseda1 = 1;
if seda2 = 1 and
   (1 <= gc2csed <= 3) or (1 <= gc3csed <= 3)
   or (1 <= gc4csed <= 3) then pyseda2 = 1;
if seda3 = 1 and
   (1 <= gc6csed <= 3) then pyseda3 = 1;
if seda4 = 1 and
   (1 <= gc30csed <= 3) or (1 <= gc31csed <= 3)
   or (1 <= gc34csed <= 3) then pyseda4 = 1;
if seda5 = 1 and
   (1 <= gc52csed <= 3) then pyseda5 = 1;
if seda6 = 1 and
   (1 <= gc32csed <= 3) and (crtage > gc32esed or gc32esed = 1)
   or (1 <= gc33csed <= 3) and (crtage > gc33esed)
   or (1 <= gc37csed <= 3) and (crtage > gc37esed)
   or (1 <= gc38csed <= 3) and (crtage > gc38esed)
   or (1 <= rcuseded <= 3) & (crtage > gc32bsed or gc32esed = 1))
   or (1 <= rcuseded <= 3) & (crtage > gc33bsed)
   or (1 <= rcuseded <= 3) & (crtage > gc35bsed)
   or (1 <= rcuseded <= 3) & (crtage > gc36bsed)
   or (1 <= rcuseded <= 3) & (crtage > gc38bsed)
   then pyseda6 = 1;
if gc41asded eq 1 and (1 <= gc41csed <= 3) then pyseda6 = 1;
if seda7 = 1 and (1 <= gc49csed <= 3) then pyseda7 = 1;
if seda8 = 1 and (1 <= gc50csed <= 3) then pyseda8 = 1;

if pyseda1 = 1
if pyseda2 = 1
   ((g42asded = 1) & (1 <= gc42csed <= 3) & (crtage > gc42bsed))
   or ((g43asded = 1) & (1 <= gc43csed <= 3) & (crtage > gc43bsed))
   or ((g44asded = 1) & (1 <= gc44csed <= 3) & (crtage > gc44bsed))
   then pysedbl = 1;
if pyseda3 = 1
if pyseda4 = 1
   then pysedb4 = 1;
if pyseda5 = 1
   ((g52asded = 1) & (1 <= gc52csed <= 3) & (crtage > gc52bsed))
   then pysedb5 = 1;
if pyseda6 = 1
   then pysedb6 = 1;
if pyseda7 = 1
   ((g49asded = 1) & (1 <= gc49csed <= 3) & (crtage > gc49bsed))

A-74
if pyseda8=1 and
    ((g50ased=1) & (1 <= g50csed <= 3) & (crtage > g50bsed))
    then pysedb7=1;

    pysedat=sum(of pyseda1-pyseda8);
    pysedbt=sum(of pysdb1-pysedb8);

    if pysedat >= 3 and pysedbt >= 2 then dflysed=1; else dflysed=0;

*---------------------------------------------------------------------------*
| TRANQUILIZERS full dependence during past 12 months                     |
*---------------------------------------------------------------------------*

if trqal=1 and
    (1 <= g47ctrq <= 3) or (1 <= g48ctrq <= 3)    then pytrqal=1;
if trqa2=1 and
    (1 <= g42ctrq <= 3) or (1 <= g43ctrq <= 3)
    or (1 <= g44ctrq <= 3)    then pytrqa2=1;
if trqa3=1 and
    (1 <= g46ctrq <= 3)    then pytrqa3=1;
if trqa4=1 and
    ((1 <= g30ctrq <= 3) or (1 <= g31ctrq <= 3))
    or (1 <= g34ctrq <= 3)    then pytrqa4=1;
if trqa5=1 and
    (1 <= g52ctrq <= 3)    then pytrqa5=1;
if trqa6=1 and
    ((1 <= g32ctrq <= 3) and (crtage > g32btrq or g32etrq=1))
    or ((1 <= g33ctrq <= 3) and (crtage > g33btrq))
    or ((1 <= g37ctrq <= 3) and (crtage > g37btrq))
    or ((1 <= g38ctrq <= 3) and (crtage > g38btrq))
    or ((1 <= rcusetrq <= 3) & (crtage > g32btrq or g32etrq=1))
    or ((1 <= rcusetrq <= 3) & (crtage > g33btrq))
    or ((1 <= rcusetrq <= 3) & (crtage > g37btrq))
    or ((1 <= rcusetrq <= 3) & (crtage > g38btrq)) then pytrqa6=1;
if g41atraq eq 1 and (1 <= g41ctrq <= 3)    then pytrqa6=1;
if trqa7=1 and (1 <= g49ctrq <= 3)    then pytrqa7=1;
if trqa8=1 and (1 <= g50ctrq <= 3)    then pytrqa8=1;

if pytrqal=1
    then pytrqb1=1;
if pytrqa2=1 and
    ((g42atrq=1) & (1 <= g42ctrq <= 3) & (crtage > g42btrq))
    or ((g43atrq=1) & (1 <= g43ctrq <= 3) & (crtage > g43btrq))
    or ((g44atrq=1) & (1 <= g44ctrq <= 3) & (crtage > g44btrq))    then pytrqb2=1;
if pytrqa3=1
    then pytrqb3=1;
if pytrqa4=1
    then pytrqb4=1;
if pytrqa5=1 and
    ((g52atrq=1) & (1 <= g52ctrq <= 3) & (crtage > g52btrq))    then pytrqb5=1;
if pytrqa6=1
    then pytrqb6=1;
if pytrqa7=1 and
    ((g49atrq=1) & (1 <= g49ctrq <= 3) & (crtage > g49btrq))
    then pytrqbt=1;
if pytrqa8=1 and
    ((g50atrq=1) & (1 <= g50ctrq <= 3) & (crtage > g50btrq))
    then pytrqbt=1;
pytrqat=sum(of pytrqal-pytrqa8);
pytrqbt=sum(of pytrqbl-pytrqbt);
if pytrqat >= 3 and pytrqbt >= 2 then dflytrq=1; else dflytrq=0;

*-----------------------------------------------*
| STIMULANTS full dependence during past 12 months |
*-----------------------------------------------*

if stial=1 and
    (1 <= g47ctsi <= 3) or (1 <= g48ctsi <= 3) then pystial=1;
if stia2=1 and
    (1 <= g42ctsi <= 3) or (1 <= g43ctsi <= 3)
    or (1 <= g44ctsi <= 3) then pystia2=1;
if stia3=1 and
    (1 <= g46ctsi <= 3) then pystia3=1;
if stia4=1 and
    ((1 <= g30ctsi <= 3) or (1 <= g31ctsi <= 3))
    or (1 <= g34ctsi <= 3) then pystia4=1;
if stia5=1 and
    (1 <= g52ctsi <= 3) then pystia5=1;
if stia6=1 and
    ((1 <= g32ctsi <= 3) and (crtage > g32bsti or g32esti=1))
    or ((1 <= g33ctsi <= 3) and (crtage > g33bsti))
    or ((1 <= g37ctsi <= 3) and (crtage > g37bsti))
    or ((1 <= g38ctsi <= 3) and (crtage > g38bsti))
    or ((1 <= rcusesti <= 3) & (crtage > g32bsti or g32esti=1))
    or ((1 <= rcusesti <= 3) & (crtage > g33bsti))
    or ((1 <= rcusesti <= 3) & (crtage > g37bsti))
    or ((1 <= rcusesti <= 3) & (crtage > g38bsti))
    then pystia6=1;
if g41astsi eq 1 and (1 <= g41ctsi <= 3) then pystia6=1;
if stia7=1 and (1 <= g49ctsi <= 3) then pystia7=1;
if stia8=1 and (1 <= g50ctsi <= 3) then pystia8=1;

if pystial=1 then pystib1=1;
if pystia2=1 and
    ((g42astsi=1) & (1 <= g42ctsi <= 3) & (crtage > g42bsti))
    or ((g43astsi=1) & (1 <= g43ctsi <= 3) & (crtage > g43bsti))
    or ((g44astsi=1) & (1 <= g44ctsi <= 3) & (crtage > g44bsti))
    then pystib2=1;
if pystia3=1 then pystib3=1;
if pystia4=1 then pystib4=1;
if pystia5=1 and
    ((g52astsi=1) & (1 <= g52ctsi <= 3) & (crtage > g52bsti))
if pystia6=1
if pystia7=1 and
   ((g49astil=1) & (1 <= g49csti <= 3) & (crtage > g49bsti))
   then pystib6=1;
if pystia8=1 and
   ((g50astil=1) & (1 <= g50csti <= 3) & (crtage > g50bsti))
   then pystib8=1;
pystiat=sum(of pystia1-pystia8);
pystibt=sum(of pystib1-pystib8);
if pystiat >= 3 and pystibt >= 2 then dflysti=1; else dflysti=0;

*******************************************************************************
| ANALGESICS  full dependence during past 12 months |
*******************************************************************************

if ags1=1 and
   (1 <= g47cags <= 3) or (1 <= g48cags <= 3) then pyagsal=1;
if ags2=1 and
   (1 <= g42cags <= 3) or (1 <= g43cags <= 3) or (1 <= g44cags <= 3)
   then pyagsa2=1;
if ags3=1 and
   (1 <= g46cags <= 3) then pyagsa3=1;
if ags4=1 and
   (1 <= g30cags <= 3) or (1 <= g31cags <= 3) or (1 <= g34cags <= 3)
   then pyagsa4=1;
if ags5=1 and
   (1 <= g52cags <= 3) then pyagsa5=1;
if ags6=1 and
   ((1 <= g32cags <= 3) and (crtage > g32bags or g32eags=1))
   or ((1 <= g33cags <= 3) and (crtage > g33bags))
   or ((1 <= g37cags <= 3) and (crtage > g37bags))
   or ((1 <= g38cags <= 3) and (crtage > g38bags))
   or ((1 <= rcuseags <= 3) & (crtage > g32bags or g32eags=1))
   or ((1 <= rcuseags <= 3) & (crtage > g33bags))
   or ((1 <= rcuseags <= 3) & (crtage > g37bags))
   or ((1 <= rcuseags <= 3) & (crtage > g38bags))
   then pyagsa6=1;
if g41aags eq 1 and (1 <= g41cags <= 3) then pyagsa6=1;
if ags7=1 and (1 <= g49cags <= 3) then pyags7=1;
if ags8=1 and (1 <= g50cags <= 3) then pyagsa8=1;

if pyagsa1=1
if pyagsa2=1 and
   ((g42aags=1) & (1 <= g42cags <= 3) & (crtage > g42bags))
   or ((g43aags=1) & (1 <= g43cags <= 3) & (crtage > g43bags))
   or ((g44aags=1) & (1 <= g44cags <= 3) & (crtage > g44bags))
   then pyagsb2=1;
if pyagsa3=1
if pyagsa4=1

A-77
if pyagsa5=1 and
    ((g52aags=1) & (1 <= g52cags <= 3) & (crtage > g52bags))
then pyagsb5=1;
if pyagsa6=1
then pyagsb6=1;
if pyagsa7=1 and
    ((g49aags=1) & (1 <= g49cags <= 3) & (crtage > g49bags))
then pyagsb7=1;
if pyagsa8=1 and
    ((g50aags=1) & (1 <= g50cags <= 3) & (crtage > g50bags))
then pyagsb8=1;
pyagsat=sum(of pyagsal-pyagsa8);
pyagsbt=sum(of pyagsbl-pyagsb8);
if pyagsat >= 3 and pyagsbt >= 2 then dflyags=1; else dflyags=0;

*-----------------------------------------------------------------------*
| INHALANTS              full dependence during past 12 months          |
*-----------------------------------------------------------------------*

if inha1=1 and
    (1 <= g47cinh <=3) or (1 <= g48cinh <= 3) then pyinhal=1;
if inha2=1 and
    (1 <= g42cinh <=3) or (1 <= g43cinh <=3)
or (1 <= g44cinh <=3) then pyinha2=1;
if inha3=1 and
    (1 <= g46cinh <=3) then pyinha3=1;
if inha4=1 and
    (1 <= g30cinh <=3) or (1 <= g31cinh <= 3)
or (1 <= g34cinh <= 3) then pyinha4=1;
if inha5=1 and
    (1 <= g52cinh <=3) then pyinha5=1;
if inha6=1 and
    ((1 <= g32cinh <= 3) and (crtage > g32binh or g32einh=1))
or ((1 <= g33cinh <= 3) and (crtage > g33binh))
or ((1 <= g37cinh <= 3) and (crtage > g37binh))
or ((1 <= g38cinh <= 3) and (crtage > g38binh))
or ((1 <= rcuseinh <= 3) & (crtage > g32binh or g32einh=1))
or ((1 <= rcuseinh <= 3) & (crtage > g33binh))
or ((1 <= rcuseinh <= 3) & (crtage > g37binh))
or ((1 <= rcuseinh <= 3) & (crtage > g38binh)) then pyinha6=1;
if g41ainh eq 1 and (1 <= g41cinh <=3) then pyinha6=1;
if inha7=1 and (1 <= g49cinh <= 3) then pyinha7=1;
if inha8=1 and (1 <= g50cinh <= 3) then pyinha8=1;
if pyinhal=1
then pyinhh1=1;
if pyinha2=1 and
    ((g42ainh=1) & (1 <= g42cinh <= 3) & (crtage > g42binh))
or ((g43ainh=1) & (1 <= g43cinh <= 3) & (crtage > g43binh))
or ((g44ainh=1) & (1 <= g44cinh <= 3) & (crtage > g44binh))
then pyinhh2=1;
if pyinha3=1 then pyinhb3=1;
if pyinha4=1 then pyinhb4=1;
if pyinha5=1 and
    ((g52ainh=1) & (1 <= g52cinh <= 3) & (crtage > g52binh))
    then pyinhb5=1;
    then pyinhb6=1;
if pyinha6=1 and
    ((g49ainh=1) & (1 <= g49cinh <= 3) & (crtage > g49binh))
    then pyinhb7=1;
    then pyinhb8=1;
if pyinha8=1 and
    ((g50ainh=1) & (1 <= g50cinh <= 3) & (crtage > g50binh))
    then pyinhb8=1;
pyinhdat= sum(of pyinhal-pyinha8);
pyinhbtt= sum(of pyinhb1-pyinhb8);
if pyinhdat >= 3 and pyinhbtt >= 2 then dflyinh=1; else dflyinh=0;

<table>
<thead>
<tr>
<th>MARIJUANA</th>
<th>full dependence during past 12 months</th>
</tr>
</thead>
</table>

if mara1=1 and
    (1 <= g47cmar <= 3) or (1 <= g48cmar <= 3) then pymara1=1;
if mara2=1 and
    (1 <= g42cmar <= 3) or (1 <= g43cmar <= 3)
    or (1 <= g44cmar <= 3)
    then pymara2=1;
if mara3=1 and
    (1 <= g46cmar <= 3)
    then pymara3=1;
if mara4=1 and
    (1 <= g30cmar <= 3) or (1 <= g31cmar <= 3)
    or (1 <= g34cmar <= 3)
    then pymara4=1;
if mara5=1 and
    (1 <= g52cmar <= 3)
    then pymara5=1;
if mara6=1 and
    ((1 <= g32cmar <= 3) and (crtage > g32bmar or g32emar=1))
    or ((1 <= g33cmar <= 3) and (crtage > g33bmar))
    or ((1 <= g37cmar <= 3) and (crtage > g37bmar))
    or ((1 <= g38cmar <= 3) and (crtage > g38bmar))
    or ((1 <= rcusmar <= 3) & (crtage > g32bmar or g32emar=1))
    or ((1 <= rcusmar <= 3) & (crtage > g33bmar))
    or ((1 <= rcusmar <= 3) & (crtage > g37bmar))
    or ((1 <= rcusmar <= 3) & (crtage > g38bmar))
    then pymara6=1;
    if g41amar eq 1 and (1 <= g41cmar <= 3)
    then pymara6=1;
if mara7=1 and (1 <= g49cmar <= 3) then pymara7=1;
if mara8=1 and (1 <= g50cmar <= 3) then pymara8=1;
if pymara1=1 then pymarbl=1;
if pymara2=1 and
    ((g42amar=1) & (1 <= g42cmar <= 3) & (crtage > g42bmar))
    or ((g43amar=1) & (1 <= g43cmar <= 3) & (crtage > g43bmar))
or ((g44amar=1) & (1 <= g44cmar <= 3) & (crtage > g44bmar))
then pymarb2=1;
if pymara3=1
then pymarb3=1;
if pymara4=1
then pymarb4=1;
if pymara5=1 and
((g52amar=1) & (1 <= g52cmar <= 3) & (crtage > g52bmar))
then pymarb5=1;
if pymara6=1
then pymarb6=1;
if pymara7=1 and
((g49amar=1) & (1 <= g49cmar <= 3) & (crtage > g49bmar))
then pymarb7=1;
if pymara8=1 and
((g50amar=1) & (1 <= g50cmar <= 3) & (crtage > g50bmar))
then pymarb8=1;
pymarat=sum(of pymara1-pymara8);
pymarbt=sum(of pymarbl-pymarb8);
if pymarat >= 3 and pymarbt >= 2 then dflymar=1; else dflymar=0;

***********************************************************************
cocaine
full dependence during past 12 months
***********************************************************************

if cocal=1 and
(1 <= g47ccoc <= 3) or (1 <= g48ccoc <= 3)
then pycocal=1;
if coca2=1 and
(1 <= g42ccoc <= 3) or (1 <= g43ccoc <= 3)
or (1 <= g44ccoc <= 3)
then pycoca2=1;
if coca3=1 and
(1 <= g46ccoc <= 3)
then pycoca3=1;
if coca4=1 and
(1 <= g30ccoc <= 3) or (1 <= g31ccoc <= 3)
or (1 <= g34ccoc <= 3)
then pycoca4=1;
if coca5=1 and
(1 <= g52ccoc <= 3)
then pycoca5=1;
if coca6=1 and
((1 <= g32ccoc <= 3) and (crtage > g32bcoc or g32bcoc=1))
or ((1 <= g33ccoc <= 3) and (crtage > g33bcoc))
or ((1 <= g37ccoc <= 3) and (crtage > g37bcoc))
or ((1 <= g38ccoc <= 3) and (crtage > g38bcoc))
or ((1 <= rcusecoc <= 3) & (crtage > g32bcoc or g32ecoc=1))
or ((1 <= rcusecoc <= 3) & (crtage > g33bcoc))
or ((1 <= rcusecoc <= 3) & (crtage > g37bcoc))
or ((1 <= rcusecoc <= 3) & (crtage > g38bcoc))
then pycoca6=1;
if g41acoc eq 1 and (1 <= g41ccoc <= 3)
then pycoca6=1;
if coca7=1 and (1 <= g49ccoc <= 3)
then pycoca7=1;
if coca8=1 and (1 <= g50ccoc <= 3)
then pycoca8=1;
if pycocal=1
then pycocbl=1;
if pycoca2=1 and
((g42acoc=1) & (1 <= g42ccoc <= 3) & (crtage > g42bcoc))
or ((g43acoc=1) & (1 <= g43ccoc <= 3) & (crtage > g43bcoc))
or ((g44acoc=1) & (1 <= g44ccoc <= 3) & (crtage > g44bcoc))
then pycoeff2=1;
if pycoca3=1
then pycoeff3=1;
if pycoca4=1
then pycoeff4=1;
if pycoca5=1 and
((g52acoc=1) & (1 <= g52ccoc <= 3) & (crtage > g52bcoc))
then pycoeff5=1;
if pycoca6=1
then pycoeff6=1;
if pycoca7=1 and
((g49acoc=1) & (1 <= g49ccoc <= 3) & (crtage > g49bcoc))
then pycoeff7=1;
if pycoca8=1 and
((g50acoc=1) & (1 <= g50ccoc <= 3) & (crtage > g50bcoc))
then pycoeff8=1;
pyccat=sum(of pycocal-pycoca8);
pyccobt=sum(of pycocbl-pycocbl);
if pyccat >= 3 and pyccobt >= 2 then dflycoc=1; else dflycoc=0;

*------------------------------------------------------------------------*
| HALLUCINOGENS full dependence during past 12 months                     |
*------------------------------------------------------------------------*

if halal=1 and
(1 <= g47chal <=3) or (1 <= g48chal <= 3)
then pyhalal=1;
if halal=2 and
(1 <= g42chal <=3) or (1 <= g43chal <=3)
or (1 <= g44chal <=3)
then pyhalal2=1;
if halal=3 and
(1 <= g46chal <=3)
then pyhalal3=1;
if halal=4 and
(1 <= g30chal <=3) or (1 <= g31chal <=3)
or (1 <= g34chal <= 3)
then pyhalal4=1;
if halal=5 and
(1 <= g52chal <=3)
then pyhalal5=1;
if halal=6 and
((1 <= g32chal <= 3) and (crtage > g32bhal or g32ehal=1))
or ((1 <= g33chal <= 3) and (crtage > g33bhal))
or ((1 <= g37chal <= 3) and (crtage > g37bhal))
or ((1 <= g38chal <= 3) and (crtage > g38bhal))
or ((1 <= rcusehal <= 3) & (crtage > g32bhal or g32ehal=1))
or ((1 <= rcusehal <= 3) & (crtage > g33bhal))
or ((1 <= rcusehal <= 3) & (crtage > g37bhal))
or ((1 <= rcusehal <= 3) & (crtage > g38bhal))
then pyhalal6=1;
if g4lahal eq 1 and (1 <= g4chal <=3)
then pyhalal6=1;
if halal=7 and (1 <= g49chal <= 3)
then pyhalal7=1;
if halal=8 and (1 <= g50chal <= 3)
then pyhalal8=1;

A-81
if pyhalal=1
  then pyhalb1=1;
if pyhal2=1 and
  ((g42ahal=1) & (1 <= g42chal <= 3) & (crtage > g42bhal))
or ((g43ahal=1) & (1 <= g43chal <= 3) & (crtage > g43bhal))
or ((g44ahal=1) & (1 <= g44chal <= 3) & (crtage > g44bhal))
  then pyhalb2=1;
if pyhal3=1
  then pyhalb3=1;
if pyhal4=1
  then pyhalb4=1;
if pyhal5=1 and
  ((g52ahal=1) & (1 <= g52chal <= 3) & (crtage > g52bhal))
  then pyhalb5=1;
if pyhal6=1
  then pyhalb6=1;
if pyhal7=1 and
  ((g49ahal=1) & (1 <= g49chal <= 3) & (crtage > g49bhal))
  then pyhalb7=1;
if pyhal8=1 and
  ((g50ahal=1) & (1 <= g50chal <= 3) & (crtage > g50bhal))
  then pyhalb8=1;
pyhalat= sum (of pyhalal-pyhal8);
pyhalbt= sum (of pyhalb1-pyhalb8);
if pyhalat >= 3 and pyhalbt >= 2 then dflyhal=1; else dflyhal=0;

*------------------------------------------------------------------*
| HEROIN          | full dependence during past 12 months                           |
*------------------------------------------------------------------*

if heral=1 and
  (1 <= g47cher <= 3) or (1 <= g48cher <= 3) then pyheral=1;
if hera2=1 and
  (1 <= g42cher <= 3) or (1 <= g43cher <= 3)
  then pyhera2=1;
if hera3=1 and
  (1 <= g46cher <= 3)
  then pyhera3=1;
if hera4=1 and
  (1 <= g30cher <= 3) or (1 <= g31cher <= 3)
  or (1 <= g34cher <= 3)
  then pyhera4=1;
if hera5=1 and
  (1 <= g52cher <= 3)
  then pyhera5=1;
if hera6=1 and
  ((1 <= g32cher <= 3) and (crtage > g32bher or g32eher=1))
or ((1 <= g33cher <= 3) and (crtage > g33bher))
or ((1 <= g37cher <= 3) and (crtage > g37bher))
or ((1 <= g38cher <= 3) and (crtage > g38bher))
or ((1 <= rcuseher <= 3) & (crtage > g32bher or g32eher=1))
or ((1 <= rcuseher <= 3) & (crtage > g33bher))
or ((1 <= rcuseher <= 3) & (crtage > g37bher))
or ((1 <= rcuseher <= 3) & (crtage > g38bher)) then pyhera6=1;
if g41aher eq 1 and (1 <= g41cher <= 3) then pyhera6=1;
if hera7=1 and (1 <= g49cher <= 3) then pyhera7=1;
if hera8 = 1 and (1 <= g50cher <= 3) then pyhera8 = 1;

if pyheral = 1

if pyhera2 = 1 and
   ((g42aher = 1) & (1 <= g42cher <= 3) & (crtage > g42bher))
   or ((g43aher = 1) & (1 <= g43cher <= 3) & (crtage > g43bher))
   or ((g44aher = 1) & (1 <= g44cher <= 3) & (crtage > g44bher))
   then pyherb2 = 1;

if pyhera3 = 1

if pyhera4 = 1

if pyhera5 = 1 and
   ((g52aher = 1) & (1 <= g52cher <= 3) & (crtage > g52bher))
   then pyherb5 = 1;

if pyhera6 = 1

if pyhera7 = 1 and
   ((g49aher = 1) & (1 <= g49cher <= 3) & (crtage > g49bher))
   then pyherb7 = 1;

if pyhera8 = 1 and
   ((g50aher = 1) & (1 <= g50cher <= 3) & (crtage > g50bher))
   then pyherb8 = 1;

pyherat = sum(of pyheral-pyhera8);
pyherbt = sum(of pyherb1-pyherb8);

if pyherat >= 3 and pyherbt >= 2 then dflyher = 1; else dflyher = 0;
if alcal=1 and g47calc=1 or g48calc=1 then pmalcal=1;
if alca2=1 and g42calc=1 or g44calc=1
  or g44calc=1
if alca3=1 and g46calc=1 then pmalca2=1;
if alca4=1 and
  ( g30calc=1 or g31calc=1)
or g34calc=1
  then pmalca4=1;
if alca5=1 and g52calc=1 then pmalca5=1;
if alca6=1 and
  ( g32calc=1 and (crtage > g32balc or g32ealgc=1))
or ( g33calc=1 and (crtage > g33balc))
or ( g37calc=1 and (crtage > g37balc))
or ( g38calc=1 and (crtage > g38balc)) then pmalca6=1;
if g41aalc eq 1 and g41calc=1 then pmalca6=1;
if drk12pyr eq 1 and
  ((g32aalc eq 1) and (crtage > g32balc or g32ealgc=1))
or ((g33aalc eq 1) and (crtage > g33balc))
or ((g37aalc eq 1) and (crtage > g37balc))
or ((g38aalc eq 1) and (crtage > g38balc)) then pmalca6=1;
if alca7=1 and g49calc=1 then pmalca7=1;
if alca8=1 and g50calc=1 then pmalca8=1;

if pmalcal=1 then pmalcb1=1;
if pmalca2=1 and
  ((g42aalc=1) & g42calc=1 & (crtage > g42balc))
or ((g43aalc=1) & g43calc=1 & (crtage > g43balc))
or ((g44aalc=1) & g44calc=1 & (crtage > g44balc)) then pmalcb2=1;
if pmalca3=1 then pmalcb3=1;
if pmalca4=1 then pmalcb4=1;
if pmalca5=1 and
  ((g52aalc=1) & g52calc=1 & (crtage > g52balc))
if pmalca6=1 then pmalcb5=1;
if pmalca7=1 and
  ((g49aalc=1) & g49calc=1 & (crtage > g49balc)) then pmalcb6=1;
if pmalca8=1 and
  ((g50aalc=1) & g50calc=1 & (crtage > g50balc))

A-84
pmalcat = sum(of pmalcal-pmalca8);
pmalcbt = sum(of pmalcbl-pmalcb8);

if pmalcat >= 3 and pmalcbt >= 2 then df1malc=1; else df1malc=0;

* SEDATIVES full dependence during past month *

if sda1=1 and
g47csed=1 or g48csed=1 then pmsedal=1;
if sda2=1 and
g42csed=1 or g43csed=1 or
g44csed=1 then pmseda2=1;
if sda3=1 and
g46csed=1 then pmseda3=1;
if sda4=1 and
(g30csed=1 or g31csed=1) or
g34csed=1 then pmseda4=1;
if sda5=1 and
g52csed=1 then pmseda5=1;
if sda6=1 and
(g32csed=1 and (crtage > g32bsed or g32esed=1)) or
(g33csed=1 and (crtage > g33bsed)) or
(g37csed=1 and (crtage > g37bsed)) or
(g38csed=1 and (crtage > g38bsed)) or
(rcusese=1 & (crtage > g32bsed or g32esed=1)) or
(rcusese=1 & (crtage > g33bsed)) or
(rcusese=1 & (crtage > g37bsed)) or
(rcusese=1 & (crtage > g38bsed)) then pmseda6=1;
if g41ased eq 1 and
g41csed=1 then pmseda6=1;
if sda7=1 and g49csed=1 then pmseda7=1;
if sda8=1 and g50csed=1 then pmseda8=1;
if pmsedal=1 then pmsedbl=1;
if pmseda2=1 and
((g42ased=1 & g42csed=1 & (crtage > g42bsed)) or
(g43ased=1 & g43csed=1 & (crtage > g43bsed)) or
(g44ased=1 & g44csed=1 & (crtage > g44bsed)) then pmsedbl=1;
if pmseda3=1 then pmsedbl=1;
if pmseda4=1 then pmsedbl=1;
if pmseda5=1 and
((g52ased=1 & g52csed=1 & (crtage > g52bsed)) then pmsedbl=1;
if pmseda6=1 then pmsedbl=1;
if pmseda7=1 and
((g49ased=1 & g49csed=1 & (crtage > g49bsed)) then pmsedbl=1;
if pmseda8=1 and
    ((g50ased=1) & g50csed=1 & (crtage > g50bsed))
    then pmsedbl8=1;

pmsedat= sum(of pmsedal-pmseda8);
pmsedbt= sum(of pmsedbl1-pmsedbl8);

if pmsedat > 3 and pmsedbt > 2 then dflmsed=1; else dflmsed=0;

********************************************************************************
| TRANQUILIZERS full dependence during past month |
********************************************************************************

if trqal=1 and
g47ctrq=1 or g48ctrq=1
    then pmtrqal=1;
if trqa2=1 and
g42ctrq=1 or g43ctrq=1
    or g44ctrq=1
    then pmtrqa2=1;
if trqa3=1 and
g46ctrq=1
    then pmtrqa3=1;
if trqa4=1 and
    ( g30ctrq=1 or g31ctrq=1)
    or g34ctrq=1
    then pmtrqa4=1;
if trqa5=1 and
g52ctrq=1
    then pmtrqa5=1;
if trqa6=1 and
    ( g32ctrq=1 and (crtage > g32btrq or g32etrq=1))
    or ( g33ctrq=1 and (crtage > g33btrq))
    or ( g37ctrq=1 and (crtage > g37btrq))
    or ( g38ctrq=1 and (crtage > g38btrq))
    or ( rcusetrq=1 & (crtage > g32btrq or g32etrq=1))
    or ( rcusetrq=1 & (crtage > g33btrq))
    or ( rcusetrq=1 & (crtage > g37btrq))
    or ( rcusetrq=1 & (crtage > g38btrq))
    then pmtrqa6=1;
if g41atrq eq 1 and g41ctrq=1
    then pmtrqa6=1;
if trqa7=1 and g49ctrq=1
    then pmtrqa7=1;
if trqa8=1 and g50ctrq=1
    then pmtrqa8=1;

if pmtrqal=1
    then pmtrqbl=1;
if pmtrqa2=1 and
    ((g42atrq=1) & g42ctrq=1 & (crtage > g42btrq))
    or ( (g43atrq=1) & g43ctrq=1 & (crtage > g43btrq))
    or ( (g44atrq=1) & g44ctrq=1 & (crtage > g44btrq))
    then pmtrqbl=1;
if pmtrqa3=1
    then pmtrqbl=1;
if pmtrqa4=1
    then pmtrqbl=1;
if pmtrqa5=1 and
    ((g52atrq=1) & g52ctrq=1 & (crtage > g52btrq))
    then pmtrqbl=1;
if pmtrqa6=1
    then pmtrqbl=1;
if pmtrqa7=1 and
  ((g49atrq=1) & g49ctrq=1 & (.crtage > g49btrq))
  then pmtrqb7=1;

if pmtrqa8=1 and
  ((g50atrq=1) & g50ctrq=1 & (crtage > g50btrq))
  then pmtrqb8=1;

pmtrqat=sum(of pmtrqal-pmtrqa8);
pmtrqbt=sum(of pmtrqbl-pmtrqbt);

if pmtrqat >= 3 and pmtrqbt >= 2 then dflmtrq=1; else dflmtrq=0;

<table>
<thead>
<tr>
<th>STIMULANTS</th>
<th>full dependence during past month</th>
</tr>
</thead>
</table>

; if stia1=1 and
  g47csti=1 or g48csti=1
  then pmstia1=1;
if stia2=1 and
  g42csti=1 or g43csti=1
  or g44csti=1
  then pmstia2=1;
if stia3=1 and
  g46csti=1
  then pmstia3=1;
if stia4=1 and
  ( g30csti=1 or g31csti=1)
  or g34csti=1
  then pmstia4=1;
if stia5=1 and
  g52csti=1
  then pmstia5=1;
if stia6=1 and
  ( g32csti=1 and (crtage > g32bsti or g32esti=1))
  or ( g33csti=1 and (crtage > g33bsti))
  or ( g37csti=1 and (crtage > g37bsti))
  or ( g38csti=1 and (crtage > g38bsti))
  or ( rcustesti=1 & (crtage > g32bsti or g32esti=1))
  or ( rcustesti=1 & (crtage > g33bsti))
  or ( rcustesti=1 & (crtage > g37bsti))
  or ( rcustesti=1 & (crtage > g38bsti))
  then pmstia6=1;
if g41lasti eq 1 and g41csti=1
  then pmstia6=1;
if stia7=1 and g49csti=1
  then pmstia7=1;
if stia8=1 and g50csti=1
  then pmstia8=1;
if pmstia1=1
  then pmstib1=1;
if pmstia2=1 and
  ((g42ast=1) & g42csti=1 & (crtage > g42bsti))
  or ((g43ast=1) & g43csti=1 & (crtage > g43bsti))
  or ((g44ast=1) & g44csti=1 & (crtage > g44bsti))
  then pmstib2=1;
if pmstia3=1
  then pmstib3=1;
if pmstia4=1
  then pmstib4=1;
if pmstia5=1 and
((g52astl=1) & g52cstl=1 & (crtage > g52bstl))
if pmstia6=1 then pmstib5=1;
if pmstia7=1 and ((g49astl=1) & g49cstl=1 & (crtage > g49bstl)) then pmstib7=1;
if pmstia8=1 and ((g50astl=1) & g50cstl=1 & (crtage > g50bstl)) then pmstib8=1;

pmstiat= sum(of pmstial-pmstia8);
pmstibt= sum(of pmstib1-pmstib8);

if pmstiat >= 3 and pmstibt >= 2 then dfmstl=1; else dfmstl=0;

*------------------------------------------------------------*
| ANALGESICS full dependence during past month               |
*------------------------------------------------------------*

if agsal=1 and g47cags=1 or g48cags=1 then pmagsal=1;
if agsa2=1 and g42cags=1 or g43cags=1
or g44cags=1 then pmagsa2=1;
if agsa3=1 and g46cags=1 then pmagsa3=1;
if agsa4=1 and (g30cags=1 or g31cags=1)
or g34cags=1 then pmagsa4=1;
if agsa5=1 and g52cags=1 then pmagsa5=1;
if agsa6=1 and (g32cags=1 and (crtage > g32bags or g32eags=1))
or (g33cags=1 and (crtage > g33bags))
or (g37cags=1 and (crtage > g37bags))
or (g38cags=1 and (crtage > g38bags))
or (rcuseags=1 & (crtage > g32bags or g32eags=1))
or (rcuseags=1 & (crtage > g33bags))
or (rcuseags=1 & (crtage > g37bags))
or (rcuseags=1 & (crtage > g38bags)) then pmagsa6=1;
if g41aags eq 1 and g41cags=1 then pmagsa6=1;

if agsa7=1 and g49cags=1 then pmagsa7=1;
if agsa8=1 and g50cags=1 then pmagsa8=1;

if pmagsal=1
if pmagsa2=1 and
((g42aags=1) & g42cags=1 & (crtage > g42bags))
or ((g43aags=1) & g43cags=1 & (crtage > g43bags))
or ((g44aags=1) & g44cags=1 & (crtage > g44bags))
if pmagsa3=1 then pmagsb2=1;
if pmagsa4=1 then pmagsb4=1;
if pmagsa5=1 and
    ((g52aags=1) & g52cags=1 & (crtage > g52bags))
    then pmagsb5=1;
if pmagsa6=1 then pmagsb6=1;
if pmagsa7=1 and
    ((g49aags=1) & g49cags=1 & (crtage > g49bags))
    then pmagsb7=1;
if pmagsa8=1 and
    ((g50aags=1) & g50cags=1 & (crtage > g50bags))
    then pmagsb8=1;

pmagsat=sum(of pmagsal-pmagsa8);
pmagsbt=sum(of pmagsbl-pmagsb8);

if pmagsat >= 3 and pmagsbt >= 2 then df1mags=1; else df1mags=0;

*---------------------------------------------------------------*
| INHALANTS full dependence during past month               |
*---------------------------------------------------------------* ;

if inh1=1 and
g47cinh=1 or g48cinh=1 then pminh1=1;
if inh2=1 and
g42cinh=1 or g43cinh=1
    or g44cinh=1 then pminh2=1;
if inh3=1 and
g46cinh=1 then pminh3=1;
if inh4=1 and
g30cinh=1 or g31cinh=1
    or g34cinh=1 then pminh4=1;
if inh5=1 and
g52cinh=1 then pminh5=1;
if inh6=1 and
    (g32cinh=1 and (crtage > g32binh or g32einh=1))
    or (g33cinh=1 and (crtage > g33binh))
    or (g37cinh=1 and (crtage > g37binh))
    or (g38cinh=1 and (crtage > g38binh))
    or (rcuseinh=1 & (crtage > g32binh or g32einh=1))
    or (rcuseinh=1 & (crtage > g33binh))
    or (rcuseinh=1 & (crtage > g37binh))
    or (rcuseinh=1 & (crtage > g38binh)) then pminh6=1;
if g41ainh eq 1 and g41cinh=1 then pminh6=1;

if inh7=1 and g49cinh=1 then pminh7=1;
if inh8=1 and g50cinh=1 then pminh8=1;

if pminh1=1
if pminh2=1 and

A-89
((g42ainh=1) & g42cinh=1 & (crtage > g42binh))
or ((g43ainh=1) & g43cinh=1 & (crtage > g43binh))
or ((g44ainh=1) & g44cinh=1 & (crtage > g44binh))

if pminha3=1
then pminhh2=1;
if pminha4=1
then pminhh3=1;
if pminha5=1 and
   ((g52ainh=1) & g52cinh=1 & (crtage > g52binh))
then pminhh5=1;
if pminha6=1
then pminhh6=1;
if pminha7=1 and
   ((g49ainh=1) & g49cinh=1 & (crtage > g49binh))
then pminhh7=1;
if pminha8=1 and
   ((g50ainh=1) & g50cinh=1 & (crtage > g50binh))
then pminhh8=1;
pminhat=sum(of pminhal-pminha);
pminhbt=sum(of pminhbl-pminhb);

if pminhat >= 3 and pminhbt >= 2 then df1minh=1; else df1minh=0;

*---------------------------------------------------------------*
| MARIJUANA      full dependence during past month          |
|---------------------------------------------------------------*

if mara1=1 and
     g47cmar=1 or g48cmar=1
     then pmmaral=1;
if mara2=1 and
     g42cmar=1 or g43cmar=1
     or     g44cmar=1
     then pmmara2=1;
if mara3=1 and
     g46cmar=1
     then pmmara3=1;
if mara4=1 and
     g30cmar=1 or g31cmar=1
     or     g34cmar=1
     then pmmara4=1;
if mara5=1 and
     g52cmar=1
     then pmmara5=1;
if mara6=1 and
   (g32cmar=1 and (crtage > g32bmar or g32emar=1))
or (g33cmar=1 and (crtage > g33bmar))
or (g37cmar=1 and (crtage > g37bmar))
or (g38cmar=1 and (crtage > g38bmar))
or (rcusemar=1 & (crtage > g32bmar or g32emar=1))
or (rcusemar=1 & (crtage > g33bmar))
or (rcusemar=1 & (crtage > g37bmar))
or (rcusemar=1 & (crtage > g38bmar))
then pmmara6=1;
if g41amar eq 1 and g41cmar=1
     then pmmara6=1;
if mara7=1 and g49cmar=1
     then pmmara7=1;
if mara8=1 and g50cmar=1
     then pmmara8=1;

A-90
if pmmaral-1
if pmmarb2-1 and
   ( (g42amar-1 & g42cmar-1 & (crtage > g42bmar))
   or ( (g43amar-1 & g43cmar-1 & (crtage > g43bmar))
   or ( (g44amar-1 & g44cmar-1 & (crtage > g44bmar))
   then pmmarb2-1;
if pmmara3-1
then pmmarb3-1;
if pmmar4-1
then pmmarb4-1;
if pmmar5-1 and
   ( (g52amar-1 & g52cmar-1 & (crtage > g52bmar))
   then pmmarb5-1;
if pmmar6-1
then pmmarb6-1;
if pmmar7-1 and
   ( (g49amar-1 & g49cmar-1 & (crtage > g49bmar))
   then pmmarb7-1;
if pmmar8-1 and
   ( (g50amar-1 & g50cmar-1 & (crtage > g50bmar))
   then pmmarb8-1;

pmmarat=sum(of pmmaral-pmmara8);
pmmarbt=sum(of pmmarb1-pmmarb8);

if pmmarat >= 3 and pmmarbt >= 2 then df1mmar-1; else df1mmar-0;

*-------------------------------------------------------------------*
| COCAINE          full dependence during past month          |
*-------------------------------------------------------------------*

if cocal-1 and
   g47ccoc-1 or g48ccoc-1
then pmcocal-1;
if coca2-1 and
   g42ccoc-1 or g43ccoc-1
   or g44ccoc-1
if coca3-1 and
   g46ccoc-1
then pmcoca3-1;
if coca4-1 and
   g30ccoc-1 or g31ccoc-1
   or g34ccoc-1
if coca5-1 and
   g52ccoc-1
then pmcoca5-1;
if coca6-1 and
   ( g32ccoc-1 and (crtage > g32bcoc or g32bcoc=1))
   or ( g33ccoc-1 and (crtage > g33bcoc))
   or ( g37ccoc-1 and (crtage > g37bcoc))
   or ( g38ccoc-1 and (crtage > g38bcoc))
   or ( rcusecoc-1 & (crtage > g32bcoc or g32ecoc-1))
   or ( rcusecoc-1 & (crtage > g33bcoc))
   or ( rcusecoc-1 & (crtage > g37bcoc))
   or ( rcusecoc-1 & (crtage > g38bcoc))
   if g41acoc eq 1 and g41ccoc-1
then pmcoca6-1;

A-91
if coca7=1 and g49ccoc=1 then pmcoca7=1;
if coca8=1 and g50ccoc=1 then pmcoca8=1;
if pmcoca1=1 then pmcocbl=1;
if pmcoca2=1 and
    (((g42acoc=1 & g42ccoc=1 & (crtage > g42bcoc))
or ((g43acoc=1) & g43ccoc=1 & (crtage > g43bcoc))
or ((g44acoc=1) & g44ccoc=1 & (crtage > g44bcoc)))
    then pmcocb2=1;
if pmcoca3=1 then pmcocb3=1;
if pmcoca4=1 then pmcocb4=1;
if pmcoca5=1 and
    (((g52acoc=1) & g52ccoc=1 & (crtage > g52bcoc))
    then pmcocb5=1;
if pmcoca6=1 then pmcocb6=1;
if pmcoca7=1 and
    (((g49acoc=1) & g49ccoc=1 & (crtage > g49bcoc))
    then pmcocb7=1;
if pmcoca8=1 and
    (((g50acoc=1) & g50ccoc=1 & (crtage > g50bcoc))
    then pmcocb8=1;

pmcocat=sum(of pmcoca1-pmcoca8);
pmcocbt=sum(of pmcocb1-pmcocb8);

if pmcocat >= 3 and pmcocbt >= 2 then df1mcoc=1; else df1mcoc=0;

-*---------------------------------------------------------------*
|                                   HALUCINOGENS  full dependence during past month |
-*---------------------------------------------------------------*

if halal=1 and
    g47chal=1 or g48chal=1 then pmhalal=1;
if halal=1 and
    g42chal=1 or g43chal=1
    or g44chal=1 then pmhala2=1;
if halal=1 and
    g46chal=1 then pmhala3=1;
if halal=1 and
    g30chal=1 or g31chal=1
    or g34chal=1 then pmhala4=1;
if halal=1 and
    g52chal=1 then pmhala5=1;
if halal=1 and
    ( g32chal=1 and (crtage > g32bhal or g32ehal=1))
or ( g33chal=1 and (crtage > g33bhal))
or ( g37chal=1 and (crtage > g37bhal))
or ( g38chal=1 and (crtage > g38bhal))
or ( rcusehal=1 & (crtage > g32bhal or g32ehal=1))
or ( rcusehal=1 & (crtage > g33bhal))
or ( rcusehal=1 & (crtage > g37bhal))
or ( rcusehal=1 & (crtage > g38bhal))
or ( rcursorh=1 & (crtage > g38bhal)) then pmhala5=1;
if g41ahal eq 1 and g41chal=1
then pmhala6=1;
if hala7=1 and g49chal=1
then pmhala7=1;
if hala8=1 and g50chal=1
then pmhala8=1;
if pmhala1=1
then pmhalb1=1;
if pmhala2=1 and
((g42ahal=1 & g42chal=1 & (crtage > g42bhal))
or ((g43ahal=1 & g43chal=1 & (crtage > g43bhal))
or ((g44ahal=1 & g44chal=1 & (crtage > g44bhal))
then pmhalb2=1;
if pmhala3=1
then pmhalb3=1;
if pmhala4=1
then pmhalb4=1;
if pmhala5=1 and
((g52ahal=1 & g52chal=1 & (crtage > g52bhal))
then pmhalb5=1;
if pmhala6=1
then pmhalb6=1;
if pmhala7=1 and
((g49ahal=1 & g49chal=1 & (crtage > g49bhal))
then pmhalb7=1;
if pmhala8=1 and
((g50ahal=1 & g50chal=1 & (crtage > g50bhal))
then pmhalb8=1;
pmhalat= sum(of pmhalal-pmhala8);
pmhalbt= sum(of pmhalb1-pmhhalb8);
if pmhalat >= 3 and pmhalbt >= 2 then dfmlhal=1; else dfmlhal=0;

*---------------------------------------------------------------*
| HEROIN               full dependence during past month       |
*---------------------------------------------------------------*

if heral=1 and
g47cher=1 or g48cher=1
then pmheral=1;
if hera2=1 and
g42cher=1 or g43cher=1
then pmhera2=1;
or g44cher=1
if hera3=1 and
g46cher=1
then pmhera3=1;
if hera4=1 and
g30cher=1 or g31cher=1
or g34cher=1
if hera5=1 and
g52cher=1
then pmhera5=1;
if hera6=1 and
(g32cher=1 and (crtage > g32bher or g32eher=1))
or ( g33cher=1 and (crtage > g33bher))
or ( g37cher=1 and (crtage > g37bher))
or ( g38cher=1 and (crtage > g38bher))
or ( rcuseher = 1 & (crtage > g32bher or g32eher = 1))
or ( rcuseher = 1 & (crtage > g33bher))
or ( rcuseher = 1 & (crtage > g37bher))
or ( rcuseher = 1 & (crtage > g38bher)) then pmera6 = 1;
  if g41aher eq 1 and g41cher = 1 then pmera6 = 1;

  if hera7 = 1 and g49cher = 1 then pmera7 = 1;
  if hera8 = 1 and g50cher = 1 then pmera8 = 1;

  if pmeral = 1 then pmerbl = 1;
  if pmera2 = 1 and
    ((g42aher = 1) & g42cher = 1 & (crtage > g42bher))
or ((g43aher = 1) & g43cher = 1 & (crtage > g43bher))
or ((g44aher = 1) & g44cher = 1 & (crtage > g44bher)) then pmerb2 = 1;
  if pmera3 = 1 then pmerb3 = 1;
  if pmera4 = 1 then pmerb4 = 1;
  if pmera5 = 1 and
    ((g52aher = 1) & g52cher = 1 & (crtage > g52bher)) then pmerb5 = 1;
  if pmera6 = 1 then pmerb6 = 1;

  if pmera7 = 1 and
    ((g49aher = 1) & g49cher = 1 & (crtage > g49bher)) then pmerb7 = 1;
  if pmera8 = 1 and
    ((g50aher = 1) & g50cher = 1 & (crtage > g50bher)) then pmerb8 = 1;

  pmerat = sum(of pmeral-pmera8);
  pmerbtt = sum(of pmerbl-pmerb8);

  if pmerat >= 3 and pmerbt >= 2 then df1mher = 1; else df1mher = 0;
Create abuse variables for each of 10 drug categories

AGERxxx: age most recent USE
RCUSExxx: REGENCY OF USE (sed thru heroin);
ALIFxxx: abuse LIFETIME criteria met (Y/N)
ALOAxxx: abuse LIFETIME ONSET AGE
APRECxxx: abuse PROBLEM recency (past month/6months/past yr/yr+)
APRAGxxx: abuse PROBLEM most recent age

  symptom=had problem and continued to use
ASRECxxx: abuse SYMPTOM recency (past month/6months/past yr/yr+)
ASRAGxxx: abuse SYMPTOM most recent age

AF1Yxxx: ABUSE FULL criteria met in past YEAR? (Y/N)
AF1Mxxx: ABUSE FULL criteria met in past MONTH? (Y/N)

* /

former codes of 0, . or >= 96 set to 999;

* age most recent use (AGERxxx) alcohol treated separately;

  if 1 <= g1d <= 3 then agersed=crtage; else agersed=g1f;
  if 1 <= g2d <= 3 then agertrq=crtage; else agertrq=g2f;
  if 1 <= g3d <= 3 then agersti=crtage; else agersti=g3f;
  if 1 <= g4d <= 3 then agerags=crtage; else agerags=g4f;
  if 1 <= g5d <= 3 then agerinh=crtage; else agerinh=g5f;
  if 1 <= g6d <= 3 then agermar=crtage; else agermar=g6f;
  if 1 <= g7d <= 3 then agercoc=crtage; else agercoc=g7f;
  if 1 <= g8d <= 3 then agerhal=crtage; else agerhal=g8f;
  if 1 <= g9d <= 3 then agerher=crtage; else agerher=g9f;

* REGENCY OF USE (sed thru heroin);
rcusesed=g1d; rcusetrq=g2d; rcusesti=g3d;
rcuseags=g4d; rcuseinh=g5d; rcusemar=g6d;
rcusecoc=g7d; rcusehal=g8d; rcuseher=g9d;

/* Abuse Criteria

  1. Continued use knowing the negative effects or
recurrent use in hazardous situations with duration
of one month or more or repeated use for a long
period of time.

- YES in any of problems G32a, G33a, G34a, G36a, G37a, G38a, G41a

2. Use of substance is repeated and of long duration
(continued use).

There are several ways to meet criterion for
continued use. These are listed in (a) thru (c) below:

(a) Of the 7 problems listed in 1. above, continued use
is met automatically by YES at 3 of the 7--
G34a (often under effects in risky situations)
G36a (continued to use drug after an accident)
G41a (continued to use when taking med or health problem)

(b) 3 of the remaining 4 problems are treated as follows in order
to ascertain "continued use" which is not asked directly:

G33 (work/school problems)
G37 (health problems)
G38 (emotional/psychological problems)

IF

(1) Most recent use is within past year and
current age is greater age lst had prob.
(Gxxc = 1-3 and current age > Gxxb)

OR

(2) Most recent use is more than a year ago and
age of recency of problem is larger
than age of onset
(Gxxc = 4 and Gxxd > Gxxb)

then criteria for continued use are met.

(c) The remaining problem is filtered the same as G33, G37, G38 with
an additional option for meeting criteria:

G32 (problems with family, friends...police)

If G32e (continued to used)) is YES
criteria are met.

(d) All drugs are filtered by comparing age of most recent use
with age of first use as indicated in the beginning of Section G
(e.g. for sedatives, Gal, Gld, and Glf are used).
This filter is separate from the filtering of the 7 problems.

If recent use is indicated as within past year, and age of first
use is less than current age (which in this instance is the same
as age of most recent use) then criterion for "continued use" is met.

OR

If recent use is "more than a year ago", and age of first use is
less than age of most recent use, then the criterion for "continued
use" is met.

(e) Alcohol is treated differently than the other drugs
see alcohol section

/

*************** ALCOHOL ***********************;

* Item F11= age first began heavy drinking (V1812);
* test problem g32 for continued use;

  if g32a alc eq 1 and
    ((1 <= g32calc <=3) and (crtage > g32b alc))
  or ((g32calc eq 4) and (1 <= db32alc <=54)) then sx32alc=1;
    if g32a alc eq 1 and
      ( (d rk12pyr eq 1) and (crtage > g32b alc)) then sx32alc=2;
    if g32a alc eq 1 and
      ( (d rk12pyr eq 0) and (1 <= lb32alc <=54)) then sx32alc=3;
    if g32a alc eq 1 and (g32e alc eq 1) then sx32alc=4;
  if 1 <= sx32alc <= 4 then as32alc=1;

* test problem g33 for continued use;

  if g33a alc eq 1 and
    ((1 <= g33calc <=3) and (crtage > g33b alc))
  or ((g33calc eq 4) and (1 <= db33alc <=54)) then sx33alc=1;
    if g33a alc eq 1 and
      ( (d rk12pyr eq 1) and (crtage > g33b alc)) then sx33alc=2;
    if g33aalc eq 1 and
      ( (d rk12pyr eq 0) and (1 <= lb33alc <=54)) then sx33alc=3;
  if 1 <= sx33alc <= 3 then as33alc=1;

* problem g34 automatically meets continued use;

  if g34a alc eq 1 then as34alc=1;

* problem g36 automatically meets continued use;

  if g36a alc eq 1 then as36alc=1;

* test problem g37 for continued use;

  if g37a alc eq 1 and
    ((1 <= g37calc <=3) and (crtage > g37b alc))
  or ((g37calc eq 4) and (1 <= db37alc <=54)) then sx37alc=1;
    if g37a alc eq 1 and
      ( (d rk12pyr eq 1) and (crtage > g37b alc)) then sx37alc=2;
    if g37aalc eq 1 and
      ( (d rk12pyr eq 0) and (1 <= lb37alc <=54)) then sx37alc=3;

A-97
if 1 <= sx37alc <= 3 then as37alc=1;

* test problem g38 for continued use;
if g38aalc eq 1 and
   ((1 <= g38calc <=3) and (crtage > g38balc))
or ((g38calc eq 4) and (1 <= db38alc <=54)) then sx38alc=1;
if g38aalc eq 1 and
   ((dkl2pyr eq 1) and (crtage > g38balc)) then sx38alc=2;
if g38aalc eq 1 and
   ((dkl2pyr eq 0) and (1 <= lb38alc <=54)) then sx38alc=3;
if 1 <= sx38alc <= 3 then as38alc=1;

* problem g41 automatically meets continued use;
if g41aalc eq 1 then as41alc=1;

aalctot=sum(as32alc,as33alc,as34alc,as36alc,as37alc,as38alc,as41alc);
if aalctot >= 1 then alifalc=1; else alifalc=0;

****************************************************************************** SEDATIVES ******************************************************************************;

if g32ased eq 1 and
   ((1 <= g32csed <=3) and (crtage > g32bsed))
or ((g32csed eq 4) and (1 <= db32sed <= 54)) then sx32sed=1;
if g32ased eq 1 and
   ((1 <= rcusedsed <=3) and (crtage > g32bsed))
or ((rcusedsed eq 4) and (1 <= lb32sed <= 54)) then sx32sed=2;
if g32ased eq 1 and (g32esed eq 1) then sx32sed=3;
if 1 <= sx32sed <= 3 then as32sed=1;
if g33ased eq 1 and
   ((1 <= g33csed <=3) and (crtage > g33bsed))
or ((g33csed eq 4) and (1 <= db33sed <= 54)) then sx33sed=1;
if g33ased eq 1 and
   ((1 <= rcusedsed <=3) and (crtage > g33bsed))
or ((rcusedsed eq 4) and (1 <= lb33sed <= 54)) then sx33sed=2;
if 1 <= sx33sed <= 2 then as33sed=1;
if g34ased eq 1 then as34sed=1;
if g36ased eq 1 then as36sed=1;
if g37ased eq 1 and
   ((1 <= g37csed <=3) and (crtage > g37bsed))
or ((g37csed eq 4) and (1 <= db37sed <= 54)) then sx37sed=1;
if g37ased eq 1 and
   ((1 <= rcusedsed <=3) and (crtage > g37bsed))
or ((rcusedsed eq 4) and (1 <= lb37sed <= 54)) then sx37sed=2;
if 1 <= sx37sed <= 2 then as37sed=1;
if g38ased eq 1 and
   ((1 <= g38csed <=3) and (crtage > g38bsed))
or ((g38csed eq 4) and (1 <= db38sed <= 54)) then sx38sed=1;
if g38ased eq 1 and
   ((1 <= rcusedsed <=3) and (crtage > g38bsed))
A-98
or ((rcuseseq eq 4) and (1 <= 1b38sed <= 54)) then sx38sed=2;
if 1 <= sx38sed <= 2 then as38sed=1;
if g41ased eq 1 then as41sed=1;
asedtot=sum(as32sed,as33sed,as34sed,as36sed,as37sed,as38sed,as41sed);
if asedtot ge 1 then alifsed=1; else alifsed=0;

************************************************ TRANQUILIZERS ******************************************************;

if g32atrq eq 1 and
  ((1 <= g32ctrq <=3) and (crtage > g32btrq))
  or ((g32ctrq eq 4) and (1 <= db32trq <= 54)) then sx32trq=1;
if g32atrq eq 1 and
  ((1 <= rcusetrq <=3) and (crtage > g32btrq))
  or ((rcusetrq eq 4) and (1 <= 1b32trq <= 54)) then sx32trq=2;
if g32atrq eq 1 and (g32etrq eq 1) then sx32trq=3;
if 1 <= sx32trq <= 3 then as32trq=1;
if g33atrq eq 1 and
  ((1 <= g33ctrq <=3) and (crtage > g33btrq))
  or ((g33ctrq eq 4) and (1 <= db33trq <= 54)) then sx33trq=1;
if g33atrq eq 1 and
  ((1 <= rcusetrq <=3) and (crtage > g33btrq))
  or ((rcusetrq eq 4) and (1 <= 1b33trq <= 54)) then sx33trq=2;
if 1 <= sx33trq <= 2 then as33trq=1;
if g34atrq eq 1 then as34trq=1;
if g36atrq eq 1 then as36trq=1;
if g37atrq eq 1 and
  ((1 <= g37ctrq <=3) and (crtage > g37btrq))
  or ((g37ctrq eq 4) and (1 <= db37trq <= 54)) then sx37trq=1;
if g37atrq eq 1 and
  ((1 <= rcusetrq <=3) and (crtage > g37btrq))
  or ((rcusetrq eq 4) and (1 <= 1b37trq <= 54)) then sx37trq=2;
if 1 <= sx37trq <= 2 then as37trq=1;
if g38atrq eq 1 and
  ((1 <= g38ctrq <=3) and (crtage > g38btrq))
  or ((g38ctrq eq 4) and (1 <= db38trq <= 54)) then sx38trq=1;
if g38atrq eq 1 and
  ((1 <= rcusetrq <=3) and (crtage > g38btrq))
  or ((rcusetrq eq 4) and (1 <= 1b38trq <= 54)) then sx38trq=2;
if 1 <= sx38trq <= 2 then as38trq=1;
if g41atrq eq 1 then as41trq=1;
atrqtot=sum(as32trq,as33trq,as34trq,as36trq,as37trq,as38trq,as41trq);
if atrqtot ge 1 then aliftrq=1; else aliftrq=0;

************************************************************************** STIMULANTS **************************************************************************;

if g32ast i eq 1 and
  ((1 <= g32csti <=3) and (crtage > g32bsti))

A-99
or ((gs32csti eq 4) and (1 <= db32sti <= 54)) then sx32sti=1;
if gs32asti eq 1 and
((1 <= rcusesti <= 3) and (crtage > g32bsti))
or ((rcusesti eq 4) and (1 <= 1b32sti <= 54)) then sx32sti=2;
if gs32asti eq 1 and (gs32esti eq 1) then sx32sti=3;
if l <= sx32sti <= 3 then as32sti=1;
if gs33asti eq 1 and
((1 <= gs33csti <= 3) and (crtage > g33bsti))
or ((gs33csti eq 4) and (1 <= db33sti <= 54)) then sx33sti=1;
if gs33asti eq 1 and
((1 <= rcusesti <= 3) and (crtage > g33bsti))
or ((rcusesti eq 4) and (1 <= 1b33sti <= 54)) then sx33sti=2;
if l <= sx33sti <= 2 then as33sti=1;
if g34asti eq 1 then as34sti=1;
if g36asti eq 1 then as36sti=1;
if g37asti eq 1 and
((1 <= g37csti <= 3) and (crtage > g37bsti))
or ((gs37csti eq 4) and (1 <= db37sti <= 54)) then sx37sti=1;
if g37asti eq 1 and
((1 <= rcusesti <= 3) and (crtage > g37bsti))
or ((rcusesti eq 4) and (1 <= 1b37sti <= 54)) then sx37sti=2;
if l <= sx37sti <= 2 then as37sti=1;
if g38asti eq 1 and
((1 <= gs38csti <= 3) and (crtage > g38bsti))
or ((gs38csti eq 4) and (1 <= db38sti <= 54)) then sx38sti=1;
if g38asti eq 1 and
((1 <= rcusesti <= 3) and (crtage > g38bsti))
or ((rcusesti eq 4) and (1 <= 1b38sti <= 54)) then sx38sti=2;
if l <= sx38sti <= 2 then as38sti=1;
if g41asti eq 1 then as41sti=1;

astitot=sum(as32sti,as33sti,as34sti,as36sti,as37sti,as38sti,as41sti);
if astitot ge 1 then alifsti=1; else alifsti=0;

*************************************************************************** ANALGESICS ****************************

if g32aags eq 1 and
((1 <= gs32cags <= 3) and (crtage > g32bags))
or ((gs32cags eq 4) and (1 <= db32ags <= 54)) then sx32ags=1;
if g32aags eq 1 and
((1 <= rcuseags <= 3) and (crtage > g32bags))
or ((rcuseags eq 4) and (1 <= 1b32ags <= 54)) then sx32ags=2;
if g32aags eq 1 and (g32eags eq 1) then sx32ags=3;
if l <= sx32ags <= 3 then as32ags=1;
if g33aags eq 1 and
((1 <= gs33cags <= 3) and (crtage > g33bags))
or ((gs33cags eq 4) and (1 <= db33ags <= 54)) then sx33ags=1;
if g33aags eq 1 and
((1 <= rcuseags <= 3) and (crtage > g33bags))
or ((rcuseags eq 4) and (1 <= 1b33ags <= 54)) then sx33ags=2;
if 1 <= sx33ags <= 2 then as33ags=1;
if g34aags eq 1 then as34ags=1;
if g36aags eq 1 then as36ags=1;
if g37aags eq 1 and
  ((1 <= g37cags <=3) and (crtage > g37bags))
  or ((g37cags eq 4) and (1 <= db37ags <= 54)) then sx37ags=1;
if g37aags eq 1 and
  ((1 <= rcuseags <=3) and (crtage > g37bags))
  or ((rcuseags eq 4) and (1 <= lb37ags <= 54)) then sx37ags=2;
if 1 <= sx37ags <= 2 then as37ags=1;
if g38aags eq 1 and
  ((1 <= g38cags <=3) and (crtage > g38bags))
  or ((g38cags eq 4) and (1 <= db38ags <= 54)) then sx38ags=1;
if g38aags eq 1 and
  ((1 <= rcuseags <=3) and (crtage > g38bags))
  or ((rcuseags eq 4) and (1 <= lb38ags <= 54)) then sx38ags=2;
if 1 <= sx38ags <= 2 then as38ags=1;
if g41aags eq 1 then as41ags=1;
aastot=sum(as32ags,as33ags,as34ags,as36ags,as37ags,as38ags,as41ags); if aastot ge 1 then alifags=1; else alifags=0;

***************************************************************************** INHALANTS  *******************;

if g32ainh eq 1 and
  ((1 <= g32cinh <=3) and (crtage > g32bihn))
  or ((g32cinh eq 4) and (1 <= db32inh <= 54)) then sx32inh=1;
if g32ainh eq 1 and
  ((1 <= rcuseinh <=3) and (crtage > g32bihn))
  or ((rcuseinh eq 4) and (1 <= lb32inh <= 54)) then sx32inh=2;
if g32ainh eq 1 and (g32einh eq 1) then sx32inh=3;
if 1 <= sx32inh <= 3 then as32inh=1;
if g33ainh eq 1 and
  ((1 <= g33cinh <=3) and (crtage > g33bihn))
  or ((g33cinh eq 4) and (1 <= db33inh <= 54)) then sx33inh=1;
if g33ainh eq 1 and
  ((1 <= rcuseinh <=3) and (crtage > g33bihn))
  or ((rcuseinh eq 4) and (1 <= lb33inh <= 54)) then sx33inh=2;
if 1 <= sx33inh <= 2 then as33inh=1;
if g34ainh eq 1 then as34inh=1;
if g36ainh eq 1 then as36inh=1;
if g37ainh eq 1 and
  ((1 <= g37cinh <=3) and (crtage > g37bihn))
  or ((g37cinh eq 4) and (1 <= db37inh <= 54)) then sx37inh=1;
if g37ainh eq 1 and
  ((1 <= rcuseinh <=3) and (crtage > g37bihn))
  or ((rcuseinh eq 4) and (1 <= lb37inh <= 54)) then sx37inh=2;
if 1 <= sx37inh <= 2 then as37inh=1;
if g38ainh eq 1 and
  ((1 <= g38cinh <=3) and (crtage > g38bihn))
or ((g38cinh eq 4) and (1 <= db38inh <= 54)) then sx38inh=1;
if g38ainh eq 1 and
    ((1 <= rcuseinh <=3) and (crtage > g38binh))
or ((rcuseinh eq 4) and (1 <= lb38inh <= 54)) then sx38inh=2;
if l <= sx38inh <= 2 then as38inh=1;
if g41ainh eq 1 then as41inh=1;
ainhtot=sum(as32inh,as33inh,as34inh,as36inh,as37inh,as38inh,as41inh);
if ainhtot ge 1 then alifinh=1; else alifinh=0;

****************************************** MARIJUANA ******************************************

if g32amar eq 1 and
    ((1 <= g32cmar <=3) and (crtage > g32bmar))
or ((g32cmar eq 4) and (1 <= db32mar <= 54)) then sx32mar=1;
if g32amar eq 1 and
    ((1 <= rcusemar <=3) and (crtage > g32bmar))
or ((rcusemar eq 4) and (1 <= lb32mar <= 54)) then sx32mar=2;
if g32amar eq 1 and (g32emar eq 1) then sx32mar=3;
if l <= sx32mar <= 3 then as32mar=1;
if g33amar eq 1 and
    ((1 <= g33cmar <=3) and (crtage > g33bmar))
or ((g33cmar eq 4) and (1 <= db33mar <= 54)) then sx33mar=1;
if g33amar eq 1 and
    ((1 <= rcusemar <=3) and (crtage > g33bmar))
or ((rcusemar eq 4) and (1 <= lb33mar <= 54)) then sx33mar=2;
if g34amar eq 1 then as33mar=1;
if g36amar eq 1 then as36mar=1;
if g37amar eq 1 and
    ((1 <= g37cmar <=3) and (crtage > g37bmar))
or ((g37cmar eq 4) and (1 <= db37mar <= 54)) then sx37mar=1;
if g37amar eq 1 and
    ((1 <= rcusemar <=3) and (crtage > g37bmar))
or ((rcusemar eq 4) and (1 <= lb37mar <= 54)) then sx37mar=2;
if g38amar eq 1 and (g38emar eq 1) then sx37mar=3;
if l <= sx37mar <= 2 then as37mar=1;
if g38amar eq 1 and
    ((1 <= g38cmar <=3) and (crtage > g38bmar))
or ((g38cmar eq 4) and (1 <= db38mar <= 54)) then sx38mar=1;
if g38amar eq 1 and
    ((1 <= rcusemar <=3) and (crtage > g38bmar))
or ((rcusemar eq 4) and (1 <= lb38mar <= 54)) then sx38mar=2;
if l <= sx38mar <= 2 then as38mar=1;
if g41amar eq 1 then as41mar=1;

amartot=sum(as32mar,as33mar,as34mar,as36mar,as37mar,as38mar,as41mar);
if amartot ge 1 then alifmar=1; else alifmar=0;

A-102
if g32acoc eq 1 and
  ((1 <= g32ccoc <= 3) and (crtage > g32bcoc))
or ((g32ccoc eq 4) and (1 <= db32coc <= 54)) then sx32coc=1;
if g32acoc eq 1 and
  ((1 <= rcusecoc <= 3) and (crtage > g32bcoc))
or ((rcusecoc eq 4) and (1 <= 1b32coc <= 54)) then sx32coc=2;
if g32acoc eq 1 and (g32ecoc eq 1) then sx32coc=3;
if 1 <= sx32coc <= 3 then as32coc=1;
if g33acoc eq 1 and
  ((1 <= g33ccoc <= 3) and (crtage > g33bcoc))
or ((g33ccoc eq 4) and (1 <= db33coc <= 54)) then sx33coc=1;
if g33acoc eq 1 and
  ((1 <= rcusecoc <= 3) and (crtage > g33bcoc))
or ((rcusecoc eq 4) and (1 <= 1b33coc <= 54)) then sx33coc=2;
if 1 <= sx33coc <= 2 then as33coc=1;
if g34acoc eq 1 then as34coc=1;
if g36acoc eq 1 then as36coc=1;
if g37acoc eq 1 and
  ((1 <= g37ccoc <= 3) and (crtage > g37bcoc))
or ((g37ccoc eq 4) and (1 <= db37coc <= 54)) then sx37coc=1;
if g37acoc eq 1 and
  ((1 <= rcusecoc <= 3) and (crtage > g37bcoc))
or ((rcusecoc eq 4) and (1 <= 1b37coc <= 54)) then sx37coc=2;
if 1 <= sx37coc <= 2 then as37coc=1;
if g38acoc eq 1 and
  ((1 <= g38ccoc <= 3) and (crtage > g38bcoc))
or ((g38ccoc eq 4) and (1 <= db38coc <= 54)) then sx38coc=1;
if g38acoc eq 1 and
  ((1 <= rcusecoc <= 3) and (crtage > g38bcoc))
or ((rcusecoc eq 4) and (1 <= 1b38coc <= 54)) then sx38coc=2;
if 1 <= sx38coc <= 2 then as38coc=1;
if g41acoc eq 1 then as41coc=1;

acocott=sum(as32coc,as33coc,as34coc,as36coc,as37coc,as38coc,as41coc);
if acocott ge 1 then aliascoc=1; else aliascoc=0;

**************************************************************************

HALUCINOGENS**************************************************************************;

if g32ahal eq 1 and
  ((1 <= g32chal <= 3) and (crtage > g32bhal))
or ((g32chal eq 4) and (1 <= db32hal <= 54)) then sx32hal=1;
if g32ahal eq 1 and
  ((1 <= rcusehal <= 3) and (crtage > g32bhal))
or ((rcusehal eq 4) and (1 <= 1b32hal <= 54)) then sx32hal=2;
if g32hal eq 1 and (g32ehal eq 1) then sx32hal=3;
if 1 <= sx32hal <= 3 then as32hal=1;
if g33ahal eq 1 and
  ((1 <= g33chal <= 3) and (crtage > g33bhal))
or ((g33chal eq 4) and (1 <= db33hal <= 54)) then sx33hal=1;
if g33ahal eq 1 and
   ((1 <= rcuesehal <=3) and (crtage > g33bhal))
or ((rcuesehal eq 4) and (1 <= 1b33hal <=54)) then sx33hal=2;
if 1 <= sx33hal <= 2
   then as33hal=1;
if g34ahal eq 1
   then as34hal=1;
if g36ahal eq 1
   then as36hal=1;
if g37ahal eq 1 and
   ((1 <= g37chal <=3) and (crtage > g37bhal))
or ((g37chal eq 4) and (1 <= db37hal <= 54)) then sx37hal=1;
if g37ahal eq 1 and
   ((1 <= rcuesehal <=3) and (crtage > g37bhal))
or ((rcuesehal eq 4) and (1 <= 1b37hal <= 54)) then sx37hal=2;
if 1 <= sx37hal <= 2
   then as37hal=1;
if g38ahal eq 1 and
   ((1 <= g38chal <=3) and (crtage > g38bhal))
or ((g38chal eq 4) and (1 <= db38hal <= 54)) then sx38hal=1;
if g38ahal eq 1 and
   ((1 <= rcuesehal <=3) and (crtage > g38bhal))
or ((rcuesehal eq 4) and (1 <= 1b38hal <= 54)) then sx38hal=2;
if 1 <= sx38hal <= 2
   then as38hal=1;
if g41ahal eq 1
   then as41hal=1;

ahaltot=sum(as32hal,as33hal,as34hal,as36hal,as37hal,as38hal,as41hal);
if ahaltot ge 1 then alifhal=1; else alifhal=0;

*********************************************************** HEROIN ***********************************************************;

if g32aher eq 1 and
   ((1 <= g32cher <=3) and (crtage > g32bher))
or ((g32cher eq 4) and (1 <= db32her <= 54)) then sx32her=1;
if g32aher eq 1 and
   ((1 <= rcueseher <=3) and (crtage > g32bher))
or ((rcueseher eq 4) and (1 <= 1b32her <= 54)) then sx32her=2;
if g32aher eq 1 and (g32ehrer eq 1)
   then sx32her=3;
if 1 <= sx32her <= 3
   then as32her=1;
if g33aher eq 1 and
   ((1 <= g33cher <=3) and (crtage > g33bher))
or ((g33cher eq 4) and (1 <= db33her <= 54)) then sx33her=1;
if g33aher eq 1 and
   ((1 <= rcueseher <=3) and (crtage > g33bher))
or ((rcueseher eq 4) and (1 <= 1b33her <= 54)) then sx33her=2;
if 1 <= sx33her <= 2
   then as33her=1;
if g34aher eq 1
   then as34her=1;
if g36aher eq 1
   then as36her=1;
if g37aher eq 1 and
   ((1 <= g37cher <=3) and (crtage > g37bher))
or ((g37cher eq 4) and (1 <= db37her <= 54)) then sx37her=1;
if g37aher eq 1 and
   ((1 <= rcueseher <=3) and (crtage > g37bher))
A-104
or ((rcuseher eq 4) and (1 <= lb37her <= 54)) then sx37her=2;
if 1 <= sx37her <= 2
then as37her=1;
if g38aher eq 1 and
((1 <= g38cher <= 3) and (crtage > g38bher))

or ((g38cher eq 4) and (1 <= db38her <= 54)) then sx38her=1;
if g38aher eq 1 and
((1 <= rcuseher <= 3) and (crtage > g38bher))
or ((rcuseher eq 4) and (1 <= lb38her <= 54)) then sx38her=2;
if 1 <= sx38her <= 2
then as38her=1;
if g41aher eq 1
then as41her=1;

ahertot=sum(as32her,as33her,as34her,as36her,as37her,as38her,as41her);
if ahertot ge 1 then alifher=1; else alifher=0;

*-----------------------------------------------*
<table>
<thead>
<tr>
<th>ABUSE LIFETIME ONSET AGE (ALOAxxx)</th>
</tr>
</thead>
</table>

* Select minimum age only from among items which met criteria;
* (Using minimum Gxxb);
if as32alc eq 1 then g32alcoa=g32balc; else g32alcoa=999;
if as33alc eq 1 then g33alcoa=g33balc; else g33alcoa=999;
if as34alc eq 1 then g34alcoa=g34balc; else g34alcoa=999;
if as36alc eq 1 then g36alcoa=g36balc; else g36alcoa=999;
if as37alc eq 1 then g37alcoa=g37balc; else g37alcoa=999;
if as38alc eq 1 then g38alcoa=g38balc; else g38alcoa=999;
if as41alc eq 1 then g41alcoa=g41balc; else g41alcoa=999;

aloaalc=min(g32alcoa,g33alcoa,g34alcoa,g36alcoa,g37alcoa,g38alcoa,g41alcoa);
  if aloaalc=999 then aloaalc=.;
  if as32sed eq 1 then g32sedoa=g32bsed; else g32sedoa=999;
  if as33sed eq 1 then g33sedoa=g33bsed; else g33sedoa=999;
  if as34sed eq 1 then g34sedoa=g34bsed; else g34sedoa=999;
  if as36sed eq 1 then g36sedoa=g36bsed; else g36sedoa=999;
  if as37sed eq 1 then g37sedoa=g37bsed; else g37sedoa=999;
  if as38sed eq 1 then g38sedoa=g38bsed; else g38sedoa=999;
  if as41sed eq 1 then g41sedoa=g41bsed; else g41sedoa=999;

aloased=min(g32sedoa,g33sedoa,g34sedoa,g36sedoa,g37sedoa,g38sedoa,g41sedoa);
  if aloased=999 then aloased=.;
  if as32trq eq 1 then g32trqoa=g32btrq; else g32trqoa=999;
  if as33trq eq 1 then g33trqoa=g33btrq; else g33trqoa=999;
  if as34trq eq 1 then g34trqoa=g34btrq; else g34trqoa=999;
  if as36trq eq 1 then g36trqoa=g36btrq; else g36trqoa=999;
  if as37trq eq 1 then g37trqoa=g37btrq; else g37trqoa=999;
  if as38trq eq 1 then g38trqoa=g38btrq; else g38trqoa=999;
  if as41trq eq 1 then g41trqoa=g41btrq; else g41trqoa=999;

aloatrq=min(g32trqoa,g33trqoa,g34trqoa,g36trqoa,g37trqoa,g38trqoa,g41trqoa);
if aloatrq=999 then aloatrq=.;
if as32sti eq 1 then g32stioa=g32bsti; else g32stioa=999;
if as33sti eq 1 then g33stioa=g33bsti; else g33stioa=999;
if as34sti eq 1 then g34stioa=g34bsti; else g34stioa=999;
if as36sti eq 1 then g36stioa=g36bsti; else g36stioa=999;
if as37sti eq 1 then g37stioa=g37bsti; else g37stioa=999;
if as38sti eq 1 then g38stioa=g38bsti; else g38stioa=999;
if as41sti eq 1 then g41stioa=g41bsti; else g41stioa=999;
aloasti=min(g32stioa,g33stioa,g34stioa,g36stioa,g37stioa,g38stioa,g41stioa);
if aloasti=999 then aloasti=.;
if as32ags eq 1 then g32agsoa=g32bags; else g32agsoa=999;
if as33ags eq 1 then g33agsoa=g33bags; else g33agsoa=999;
if as34ags eq 1 then g34agsoa=g34bags; else g34agsoa=999;
if as36ags eq 1 then g36agsoa=g36bags; else g36agsoa=999;
if as37ags eq 1 then g37agsoa=g37bags; else g37agsoa=999;
if as38ags eq 1 then g38agsoa=g38bags; else g38agsoa=999;
if as41ags eq 1 then g41agsoa=g41bags; else g41agsoa=999;
aloags=min(g32agsoa,g33agsoa,g34agsoa,g36agsoa,g37agsoa,g38agsoa,g41agsoa);
if aloags=999 then aloags=.;
if as32inh eq 1 then g32inhoa=g32binh; else g32inhoa=999;
if as33inh eq 1 then g33inhoa=g33binh; else g33inhoa=999;
if as34inh eq 1 then g34inhoa=g34binh; else g34inhoa=999;
if as36inh eq 1 then g36inhoa=g36binh; else g36inhoa=999;
if as37inh eq 1 then g37inhoa=g37binh; else g37inhoa=999;
if as38inh eq 1 then g38inhoa=g38binh; else g38inhoa=999;
if as41inh eq 1 then g41inhoa=g41binh; else g41inhoa=999;
aloainh=min(g32inhoa,g33inhoa,g34inhoa,g36inhoa,g37inhoa,g38inhoa,g41inhoa);
if aloainh=999 then aloainh=.;
if as32mar eq 1 then g32maroa=g32bmar; else g32maroa=999;
if as33mar eq 1 then g33maroa=g33bmar; else g33maroa=999;
if as34mar eq 1 then g34maroa=g34bmar; else g34maroa=999;
if as36mar eq 1 then g36maroa=g36bmar; else g36maroa=999;
if as37mar eq 1 then g37maroa=g37bmar; else g37maroa=999;
if as38mar eq 1 then g38maroa=g38bmar; else g38maroa=999;
if as41mar eq 1 then g41maroa=g41bmar; else g41maroa=999;
aloamar=min(g32maroa,g33maroa,g34maroa,g36maroa,g37maroa,g38maroa,g41maroa);
if aloamar=999 then aloamar=.;
if as32coc eq 1 then g32cocoa=g32bcoc; else g32cocoa=999;
if as33coc eq 1 then g33cocoa=g33bcoc; else g33cocoa=999;
if as34coc eq 1 then g34cocoa=g34bcoc; else g34cocoa=999;
if as36coc eq 1 then g36cocoa=g36bcoc; else g36cocoa=999;
if as37coc eq 1 then g37cocoa=g37bcoc; else g37cocoa=999;
if as38coc eq 1 then g38cocoa=g38bcoc; else g38cocoa=999;
if as41coc eq 1 then g41cocoa=g41bcoc; else g41cocoa=999;
aloacoc=min(g32cocoa,g33cocoa,g34cocoa,g36cocoa,g37cocoa,g38cocoa,g41cocoa);
if aloacoc=999 then aloacoc=.;
if as32hal eq 1 then g32haloa=g32bhal; else g32haloa=999;

A-106
if as3hal eq 1 then g33haloa=g33bhal; else g33haloa=999;
if as34hal eq 1 then g34haloa=g34bhal; else g34haloa=999;
if as36hal eq 1 then g36haloa=g36bhal; else g36haloa=999;
if as37hal eq 1 then g37haloa=g37bhal; else g37haloa=999;
if as38hal eq 1 then g38haloa=g38bhal; else g38haloa=999;
if as41hal eq 1 then g41haloa=g41bhal; else g41haloa=999;
aloahal=min(g32haloa,g33haloa,g34haloa,g36haloa,g37haloa,g38haloa,g41haloa);
    if aloahal=999 then aloahal=-1;
if as32her eq 1 then g32heroa=g32bher; else g32heroa=999;
if as33her eq 1 then g33heroa=g33bher; else g33heroa=999;
if as34her eq 1 then g34heroa=g34bher; else g34heroa=999;
if as36her eq 1 then g36heroa=g36bher; else g36heroa=999;
if as37her eq 1 then g37heroa=g37bher; else g37heroa=999;
if as38her eq 1 then g38heroa=g38bher; else g38heroa=999;
if as41her eq 1 then g41heroa=g41bher; else g41heroa=999;
aloaher=min(g32heroa,g33heroa,g34heroa,g36heroa,g37heroa,g38heroa,g41heroa);
    if aloaher=999 then aloaher=-1;

*---------------------------------------------------------------*
| ABUSE PROBLEM, REGENCY (APRECxxx)                             |
| 1-past month 2=past 6 months                                  |
| 3=past year 4=more than a year;                              |
| (MINIMUM OF VALID CODES 1-4)                                  |
| (problem only, continued use not considered)                  |
*---------------------------------------------------------------*

array missf(*) g32calc g33calc g34calc g37calc g38calc g41calc
    g32csed g33csed g34csed g37csed g38csed g41csed
    g32ctrq g33ctrq g34ctrq g37ctrq g38ctrq g41ctrq
    g32csti g33csti g34csti g37csti g38csti g41csti
    g32cags g33cags g34cags g37cags g38cags g41cags
    g32cinh g33cinh g34cinh g37cinh g38cinh g41cinh
    g32cmar g33cmar g34cmar g37cmar g38cmar g41cmar
    g32ccoc g33ccoc g34ccoc g37ccoc g38ccoc g41ccoc
    g32chal g33chal g34chal g37chal g38chal g41chal
    g32cher g33cher g34cher g37cher g38cher g41cher;
do i=1 to dim(missf);
    if missf(i)>= 8 or missf(i)=-. or missf(i)=0 then missf(i)=9;
end;
drop i;
aprecalc=min(g32calc,g33calc,g34calc,g37calc,g38calc,g41calc);
apreceds=min(g32csed,g33csed,g34csed,g37csed,g38csed,g41csed);
aprectrq=min(g32ctrq,g33ctrq,g34ctrq,g37ctrq,g38ctrq,g41ctrq);
aprecsti=min(g32csti,g33csti,g34csti,g37csti,g38csti,g41csti);
aprecags=min(g32cags,g33cags,g34cags,g37cags,g38cags,g41cags);
aprecinh=min(g32cinh,g33cinh,g34cinh,g37cinh,g38cinh,g41cinh);
aprecmar=min(g32cmar,g33cmar,g34cmar,g37cmar,g38cmar,g41cmar);
aprecoc=min(g32ccoc,g33ccoc,g34ccoc,g37ccoc,g38ccoc,g41ccoc);
aprechal=min(g32chal,g33chal,g34chal,g37chal,g38chal,g41chal);
aprecher=min(g32cher,g33cher,g34cher,g37cher,g38cher,g41cher);
ABUSE PROBLEM REGENCY AGE (APRAGxxx)

maximum of valid age codes 1-55
missing ages set to . which is smaller than valid ages

array missh(*) g32dalc g33dalc g34dalc g37dalc g38dalc g41dalc
g32dsed g33dsed g34dsed g37dsed g38dsed g41dsed
g32dtrq g33dtrq g34dtrq g37dtrq g38dtrq g41dtrq
g32dsti g33dsti g34dsti g37dsti g38dsti g41dsti
g32dags g33dags g34dags g37dags g38dags g41dags
g32dinh g33dinh g34dinh g37dinh g38dinh g41dinh
g32dmard g33dmard g34dmard g37dmard g38dmard g41damard
g32dcoc g33dcoc g34dcoc g37dcoc g38dcoc g41dcoc
g32dhal g33dhal g34dhal g37dhal g38dhal g41dhal
g32dherr g33dherr g34dherr g37dherr g38dherr g41dherr;
do i=1 to dim(missh);
  if missh(i)= 999 then missh(i)=.;
end;
drop i;
if aprecalc eq 4 then
   apragalc=max(g32dalc,g33dalc,g34dalc,g37dalc,g38dalc,g41dalc);
      if 1 <= aprecalc <=3 then apragalc=crtage;
      if aprecsed eq 4 then
apragsed=max(g32dsed,g33dsed,g34dsed,g37dsed,g38dsed,g41dsed);
   if aprecseq eq 4 then
apragtrq=max(g32dtrq,g33dtrq,g34dtrq,g37dtrq,g38dtrq,g41dtrq);
      if 1 <= aprecseq <=3 then apragtrq=crtage;
      if aprecst eq 4 then
apragsti=max(g32dsti,g33dsti,g34dsti,g37dsti,g38dsti,g41dsti);
      if 1 <= aprecsti <=3 then apragsti=crtage;
      if aprecags eq 4 then
apragsags=max(g32dags,g33dags,g34dags,g37dags,g38dags,g41dags);
      if 1 <= aprecags <=3 then apragsags=crtage;
      if aprecinh eq 4 then
apraginh=max(g32dinh,g33dinh,g34dinh,g37dinh,g38dinh,g41dinh);
      if 1 <= aprecinh <=3 then apraginh=crtage;
      if aprecmar eq 4 then
apragmar=max(g32dmard,g33dmard,g34dmard,g37dmard,g38dmard,g41damard);
      if 1 <= aprecmar <=3 then apragmar=crtage;
      if aprecoc eq 4 then
apragcoc=max(g32dcoc,g33dcoc,g34dcoc,g37dcoc,g38dcoc,g41dcoc);
      if 1 <= aprecoc <=3 then apragcoc=crtage;
if aprechal eq 4 then

apraghal=max(g32dhal,g33dhal,g34dhal,g37dhal,g38dhal,g41dhal);
  if l <= aprechal <=3 then apraghal=crtage;
  if aprechal eq 4 then

apragher=max(g32dher,g33dher,g34dher,g37dher,g38dher,g41dher);
  if l <= aprechal <=3 then apragher=crtage;
/* note: non-valid ages in 'd' are now set to . */

*---------------------------------------------------------------------*
| ABUSE SYMPTOM REGENCY (ASRECxxx) (had problem with continued use) |
| (recency not available for problem 36)                            |
| select min recency only from among valid symptoms                 |
*---------------------------------------------------------------------*

if as32alc=1 then asr32alc=g32calc;
if as33alc=1 then asr33alc=g33calc;
if as34alc=1 then asr34alc=g34calc;
if as37alc=1 then asr37alc=g37calc;
if as38alc=1 then asr38alc=g38calc;
if as41alc=1 then asr41alc=g41calc;

asrecalc=min(asr32alc,asr33alc,asr34alc,asr37alc,asr38alc,asr41alc);
  if as32sed=1 then asr32sed=g32csed;
  if as33sed=1 then asr33sed=g33csed;
  if as34sed=1 then asr34sed=g34csed;
  if as37sed=1 then asr37sed=g37csed;
  if as38sed=1 then asr38sed=g38csed;
  if as41sed=1 then asr41sed=g41csed;

asrecsed=min(asr32sed,asr33sed,asr34sed,asr37sed,asr38sed,asr41sed);
  if as32trq=1 then asr32trq=g32ctrq;
  if as33trq=1 then asr33trq=g33ctrq;
  if as34trq=1 then asr34trq=g34ctrq;
  if as37trq=1 then asr37trq=g37ctrq;
  if as38trq=1 then asr38trq=g38ctrq;
  if as41trq=1 then asr41trq=g41ctrq;

asrectrq=min(asr32trq,asr33trq,asr34trq,asr37trq,asr38trq,asr41trq);
  if as32sti=1 then asr32sti=g32csti;
  if as33sti=1 then asr33sti=g33csti;
  if as34sti=1 then asr34sti=g34csti;
  if as37sti=1 then asr37sti=g37csti;
  if as38sti=1 then asr38sti=g38csti;
  if as41sti=1 then asr41sti=g41csti;

asrecsti=min(asr32sti,asr33sti,asr34sti,asr37sti,asr38sti,asr41sti);
  if as32ags=1 then asr32ags=g32cags;
  if as33ags=1 then asr33ags=g33cags;

A-109
if as34ags=1 then asr34ags=g34cags;
if as37ags=1 then asr37ags=g37cags;
if as38ags=1 then asr38ags=g38cags;
if as41ags=1 then asr41ags=g41cags;

asrecags=min(asr32ags, asr33ags, asr34ags, asr37ags, asr38ags, asr41ags);
if as32inh=1 then asr32inh=g32cinh;
if as33inh=1 then asr33inh=g33cinh;
if as34inh=1 then asr34inh=g34cinh;
if as37inh=1 then asr37inh=g37cinh;
if as38inh=1 then asr38inh=g38cinh;
if as41inh=1 then asr41inh=g41cinh;

asrecinh=min(asr32inh, asr33inh, asr34inh, asr37inh, asr38inh, asr41inh);
if as32mar=1 then asr32mar=g32cmar;
if as33mar=1 then asr33mar=g33cmar;
if as34mar=1 then asr34mar=g34cmar;
if as37mar=1 then asr37mar=g37cmar;
if as38mar=1 then asr38mar=g38cmar;
if as41mar=1 then asr41mar=g41cmar;

asrecmar=min(asr32mar, asr33mar, asr34mar, asr37mar, asr38mar, asr41mar);
if as32coc=1 then asr32coc=g32ccoc;
if as33coc=1 then asr33coc=g33ccoc;
if as34coc=1 then asr34coc=g34ccoc;
if as37coc=1 then asr37coc=g37ccoc;
if as38coc=1 then asr38coc=g38ccoc;
if as41coc=1 then asr41coc=g41ccoc;

asreccoc=min(asr32coc, asr33coc, asr34coc, asr37coc, asr38coc, asr41coc);
if as32hal=1 then asr32hal=g32chal;
if as33hal=1 then asr33hal=g33chal;
if as34hal=1 then asr34hal=g34chal;
if as37hal=1 then asr37hal=g37chal;
if as38hal=1 then asr38hal=g38chal;
if as41hal=1 then asr41hal=g41chal;

asrechal=min(asr32hal, asr33hal, asr34hal, asr37hal, asr38hal, asr41hal);
if as32her=1 then asr32her=g32cher;
if as33her=1 then asr33her=g33cher;
if as34her=1 then asr34her=g34cher;
if as37her=1 then asr37her=g37cher;
if as38her=1 then asr38her=g38cher;
if as41her=1 then asr41her=g41cher;

asrecher=min(asr32her, asr33her, asr34her, asr37her, asr38her, asr41her);
ABUSE SYMPTOM RECENTCY AGE (ASRAGxxx)
maximum of valid age codes 1-55
selecting only from symptoms rather than from problems
(asa= abuse symptom age for a specific item #)

if as32alc=1 then asa32alc=g32dalc;
if as33alc=1 then asa33alc=g33dalc;
if as34alc=1 then asa34alc=g34dalc;
if as37alc=1 then asa37alc=g37dalc;
if as38alc=1 then asa38alc=g38dalc;
if as41alc=1 then asa41alc=g41dalc;
if asrecalc eq 4 then

asragalc=max(asa32alc,asa33alc,asa34alc,asa37alc,asa38alc,asa41alc);
if l <= asrecalc <=3 then asragalc=crtage;

if as32sed=1 then asa32sed=g32dsed;
if as33sed=1 then asa33sed=g33dsed;
if as34sed=1 then asa34sed=g34dsed;
if as37sed=1 then asa37sed=g37dsed;
if as38sed=1 then asa38sed=g38dsed;
if as41sed=1 then asa41sed=g41dsed;
if asrecsed eq 4 then

asragsed=max(asa32sed,asa33sed,asa34sed,asa37sed,asa38sed,asa41sed);
if l <= asrecsed <=3 then asragsed=crtage;

if as32trq=1 then asa32trq=g32dtrq;
if as33trq=1 then asa33trq=g33dtrq;
if as34trq=1 then asa34trq=g34dtrq;
if as37trq=1 then asa37trq=g37dtrq;
if as38trq=1 then asa38trq=g38dtrq;
if as41trq=1 then asa41trq=g41dtrq;
if asrectrq eq 4 then

asragtrq=max(asa32trq,asa33trq,asa34trq,asa37trq,asa38trq,asa41trq);
if l <= asrectrq <=3 then asragtrq=crtage;

if as32sti=1 then asa32sti=g32dsti;
if as33sti=1 then asa33sti=g33dsti;
if as34sti=1 then asa34sti=g34dsti;
if as37sti=1 then asa37sti=g37dsti;
if as38sti=1 then asa38sti=g38dsti;
if as41sti=1 then asa41sti=g41dsti;
if asrecesti eq 4 then

asragsti=max(asa32sti,asa33sti,asa34sti,asa37sti,asa38sti,asa41sti);
if l <= asrecesti <=3 then asragsti=crtage;

A-111
if as32ags=1 then asa32ags=g32dags;
if as33ags=1 then asa33ags=g33dags;
if as34ags=1 then asa34ags=g34dags;
if as37ags=1 then asa37ags=g37dags;
if as38ags=1 then asa38ags=g38dags;
if as41ags=1 then asa41ags=g41dags;
if asrecags eq 4 then

asragags=max(as32ags, asa33ags, asa34ags, asa37ags, asa38ags, asa41ags);
if 1 <= asrecags <= 3 then asragags=crtage;

if as32inh=1 then asa32inh=g32dinh;
if as33inh=1 then asa33inh=g33dinh;
if as34inh=1 then asa34inh=g34dinh;
if as37inh=1 then asa37inh=g37dinh;
if as38inh=1 then asa38inh=g38dinh;
if as41inh=1 then asa41inh=g41dinh;
if asrecinh eq 4 then

asraginh=max(as32inh, asa33inh, asa34inh, asa37inh, asa38inh, asa41inh);
if 1 <= asrecinh <= 3 then asraginh=crtage;

if as32mar=1 then asa32mar=g32dmar;
if as33mar=1 then asa33mar=g33dmar;
if as34mar=1 then asa34mar=g34dmar;
if as37mar=1 then asa37mar=g37dmar;
if as38mar=1 then asa38mar=g38dmar;
if as41mar=1 then asa41mar=g41dmar;
if asrecmar eq 4 then

asragmar=max(as32mar, asa33mar, asa34mar, asa37mar, asa38mar, asa41mar);
if 1 <= asrecmar <= 3 then asragmar=crtage;

if as32coc=1 then asa32coc=g32dcoc;
if as33coc=1 then asa33coc=g33dcoc;
if as34coc=1 then asa34coc=g34dcoc;
if as37coc=1 then asa37coc=g37dcoc;
if as38coc=1 then asa38coc=g38dcoc;
if as41coc=1 then asa41coc=g41dcoc;
if asreccoc eq 4 then

asragcoc=max(as32coc, asa33coc, asa34coc, asa37coc, asa38coc, asa41coc);
if 1 <= asreccoc <= 3 then asragcoc=crtage;

if as32hal=1 then asa32hal=g32dhal;
if as33hal=1 then asa33hal=g33dhal;
if as34hal=1 then asa34hal=g34dhal;
if as37hal=1 then asa37hal=g37dhal;
if as38hal=1 then asa38hal=g38dhal;
if as41hal=1 then asa41hal=g41dhal;
if asrechahal eq 4 then

A-112
asraghal=max(asa32hal,asa33hal,asa34hal,asa37hal,asa38hal,asa41hal);
   if 1 <= asrechal <=3 then asraghal=crtage;
   if as32her=1 then asa32her=g32dher;
   if as33her=1 then asa33her=g33dher;
   if as34her=1 then asa34her=g34dher;
   if as37her=1 then asa37her=g37dher;
   if as38her=1 then asa38her=g38dher;
   if as41her=1 then asa41her=g41dher;
   if asrecher eq 4 then

asragher=max(asa32her,asa33her,asa34her,asa37her,asa38her,asa41her);
   if 1 <= asrecher <=3 then asragher=crtage;
ABUSE FULL CRITERIA WITHIN PAST 12 MONTHS (AF12xxx)
--recency of at least one abuse symptoms was code 1-3
within past year, past 6 months, or past month

if alifalc=1 and 1 <= asrecalc <= 3 then aflyalc=1 ; else aflyalc=0;
if alifseq=1 and 1 <= asrecseq <= 3 then aflyseq=1 ; else aflyseq=0;
if aliftrq=1 and 1 <= asrectrq <= 3 then aflytrq=1 ; else aflytrq=0;
if alifsti=1 and 1 <= asrectsti <= 3 then aflysti=1 ; else aflysti=0;
if alifags=1 and 1 <= asrecags <= 3 then aflyags=1 ; else aflyags=0;
if alifinh=1 and 1 <= asrecinh <= 3 then aflyinh=1 ; else aflyinh=0;
if alifmar=1 and 1 <= asrecmar <= 3 then aflymar=1 ; else aflymar=0;
if alifcoc=1 and 1 <= asrecoc <= 3 then aflycoc=1 ; else aflycoc=0;
if alifhal=1 and 1 <= asrechal <= 3 then aflyhal=1 ; else aflyhal=0;
if alifher=1 and 1 <= asrecher <= 3 then aflyher=1 ; else aflyher=0;
*---------------------------------------------------------------*
| ABUSE FULL CRITERIA IN PAST MONTH (AFLMxxx)                  |
| -- recency of at least one abuse symptom was code 1          |
*---------------------------------------------------------------*

if alifalc=1 and asrecalc =1 then aflmalc=1; else aflmalc=0;
if alifsed=1 and asrecsed =1 then aflmsed=1; else aflmsed=0;
if aliftrq=1 and asrectrq =1 then aflmtq=1; else aflmtq=0;
if alifsti=1 and asrecsti =1 then aflmsti=1; else aflmsti=0;
if alifags=1 and asrecags =1 then aflmags=1; else aflmags=0;
if alifinh=1 and asrecinh =1 then aflminh=1; else aflminh=0;
if alifmar=1 and asrecmar =1 then aflmmar=1; else aflmmar=0;
if alifcoc=1 and asreccoc =1 then aflmcoc=1; else aflmcoc=0;
if alifhal=1 and asrechal =1 then aflmhal=1; else aflmhal=0;
if alifher=1 and asrecher =1 then aflmher=1; else aflmher=0;
Tobacco supplement was given to 4414 of the 8098 NSHS respondents. (Therefore the denominator must be adjusted.)

# indicates var not created/ full information not available
RCUSETOB: recency of use, tobacco (1=past month 2=6mo 3=past year
4=more than a year)
DLOATOBOB: dependence lifetime tobacco (no/yes)
DLOATOBOB: dependence lifetime ONSET AGE

DIPTOB: ever had at least 1 problem with tobacco (no/yes)
# DIPOATOBOB: dependence first problem ONSET AGE
cannot create (only have age first time for cases
who had at least 2 problems). Use DLOATOBOB.

DPRECTOB: dependence problem REGENCY
Using recency in CC18, asked only of cases who
had at least ONE problem.
# DPRACTOB: dependence problem REGENCY AGE

DFLYTOB: dependence full criteria in past year (no/yes)
# DF1MTBOB: dependence full criteria in past 1 month (no/yes)
*/
******************************************************************************

/* making permanent tobacco dataset n=4414 tobacco respondents */

cc1a=v7403; cc1b=v7408; cc1c=v7413; cc1d=v7418;
cc2a=v7404; cc2b=v7409; cc2c=v7414; cc2d=v7419;
cc3a=v7405; cc3b=v7410; cc3c=v7415; cc3d=v7420;
cc4a=v7406; cc4b=v7411; cc4c=v7416; cc4d=v7421;
cc5a=v7407; cc5b=v7412; cc5c=v7417; cc5d=v7422;
cc6=v7423; cc7=v7424; cc8=v7425; cc8a=v7426;
cc8b=v7427; cc8c=v7428; cc9=v7429; cc10=v7430;
cc10a=v7431; cc11=v7432; cc11a=v7433; cc12=v7434;
cc12a=v7435; cc13=v7436; cc14=v7437; cc15=v7438;
cc15a=v7439; cc16=v7440; cc17=v7441; cc18=v7442;

******************************************************************************

<table>
<thead>
<tr>
<th>RCUSETOB: Recency of tobacco use</th>
</tr>
</thead>
</table>

array missr(*) cc4a cc4b cc4c cc4d;
do i=1 to dim(missr);
  if missr(i)=0 or missr(i)=. then missr(i)=9;
end;
drop i;
RCUSETOB=min(cc4a,cc4b,cc4c,cc4d);

A-116
if rcusetob=9 then rcusetob=.;

*--------------------------------------------------------------*
| DLIFTOB: Dependence Lifetime Tobacco (0=no 1=yes) |
*--------------------------------------------------------------*

/* CRITERIA FOR TOBACCO DEPENDENCE, LIFETIME */

A criteria: At least 3 yes of 6 problems:
(DSM requires 3 of 9 problems. We did not ask 3 of them
in the tobacco supplement. Assume 'NO' to these 3 unasked

A1. often take larger amounts than intended .... CC13=yes
A2. persistent desire or efforts to cut down .. CC12=yes
    or CC14=yes
A5. activities given up ....................... CC15=yes
A6. continued use despite negative effects .... CC10=yes
    or CC11=yes
    or CC9=yes
A8. withdrawal symptoms ...................... CC8=yes
A9. taken to relieve withdrawal symptoms ...... CC8c=yes

B criteria: At least 2 of 6 conditions indicating
    symptoms persisted or repeated

B1. automatically YES if CC13 is YES ("often")
B2.    CC12 is yes and CC12a is yes
    or CC14 is yes and CC7 >=2
B5.    CC15a is yes
B6.    CC10 is yes and CC10a is yes
    or CC11 is yes and CC11a is yes
    or CC9 is yes and CC7 >=2
B8.    CC8 is yes and:
    (CC8a >=30 or CC8b is yes)
B9.    CC8c is yes and CC7 <=2

Summary of criteria: Tobacco dependence is diagnosed if
    ever used any of four tobacco substances (cigarettes,
cigars, pipes, chewing tobacco or snuff) and had 3 or more
of 6 possible A criteria and 2 or more of 6 possible B criteria.

*/

A Criteria;
if cc13=1 then toba1=1;
if cc12=1 or cc14=1 then toba2=1;
if cc15=1 then toba5=1;
if cc10=1 or cc11=1 or cc9=1 then toba6=1;
if cc8=1 then toba8=1;
if cc8c=1 then toba9=1;
tobatot=sum(toba1,toba2,toba5,toba6,toba8,toba9);
if tobatot >= 3 then tobcrit=1;

A-117
* B Criteria;

if toba1=1               then tobb1=1;
if toba2=1 and (cc12a=1
       or (cc14=1 and cc7 >= 2))  then tobb2=1;
if toba5=1 and cc15a=1    then tobb5=1;
if (cc10=1 and cc10a=1) or
       (cc11=1 and cc11a=1) or
       (cc9=1 and cc7 >= 2)       then tobb6=1;
if toba8=1 and (cc8a >= 30 or cc8b=1) then tobb8=1;
if toba9=1 and cc7 >= 2               then tobb9=1;
       tobbtot=sum(tobb1,tobb2,tobb5,tobb6,tobb8,tobb9);
if tobbtot >= 2             then tobcritb=1;
if tobcrita=1 and tobcritb=1 then DLIFTOB=1;
   else dlifto=0;

-------------------------------------------------------------------*
| DLOATOB: Dependence Lifetime Onset Age Tobacco                  |
| using CC17 age, only if lifetime dep criteria met                |
-------------------------------------------------------------------*

   if cc17=0 or cc17 >= 98 then cc17=.;
   if dlifto=1 then DLOATOB=cc17; else dloatob=.;

-------------------------------------------------------------------*
| DLPTOB: Dependence EVER AT LEAST 1 PROBLEM                      |
-------------------------------------------------------------------*

   if cc13=1 or cc12=1 or cc14=1 or cc15=1 or cc10=1
       or cc11=1 or cc9=1 or cc8=1 or cc8c=1 then DLPTOB=1;
       else dlptob=0;

-------------------------------------------------------------------*
| DPRECTOB: dependence problem REGENCY                            |
-------------------------------------------------------------------*

   if l<=cc18<=4 then DPRECTOB=cc18; else DPRECTOB=.;

-------------------------------------------------------------------*
| DPRAGTOB: dependence problem REGENCY AGE                        |
-------------------------------------------------------------------*

/* Not asked */

A-118
We did not ask recency of specific problems, only "last time you had any of those problems".

* DLIFCON (Dependence, Lifetime, any controlled substance);
  if dlifsed=1 or dliftrq=1 or dlifest=1 or dlifags=1 or dlifinh=1 or dlifmar=1 or dlifcoc=1 or dlifhal=1 or dlifher=1 then dlifCON=1;
  else dlifCON=0;

* DLOACON (Dependence, Lifetime Onset Age, any controlled substance);

  array dloa(*) dloased dloatrq dloasti dloaags dloainh
dloamar dloacoc dloahal dloaher;
  do i=1 to dim(dloa);
  if dloa(i)=. then dloa(i)=999;
  end; drop i;
  dloaCON=min(dloased,dloatrq,dloasti,dloaags,dloainh,
              dloamar,dloacoc,dloahal,dloaher);
  if dloaCON=999 then dloaCON=.;

* DLPOACON (Dependence, 1st Problem, Onset age, any controlled substance);

  array dpoa(*) dlpoased dlpoatrq dlpoasti dlpoaags dlpoainh
dlpoamar dlpoacoc dlpoahal dlpoaher;
  do i=1 to dim(dpoa);
  if dpoa(i)=. then dpoa(i)=999;
  end; drop i;
  dlpoacon=min(dlpoased,dlpoatrq,dlpoasti,dlpoaags,dlpoainh,
                dlpoamar,dlpoacoc,dlpoahal,dlpoahe);
  if dlpoacon=999 then dlpoacon=.;
* DPRECCON (Dependence Problem REENCY, any controlled substance);

    array drec(*) dprecseq dprecstrq dprecsti dprecags dprecinh 
    dprecmar dprecoc dprechal dprecher;
    do i=1 to dim(drec);
    if drec(i)=. then drec(i)=9;
    end; drop i;

    dpreccon=min(dprecseq,dprecstrq,dprecsti,dprecags,dprecinh, 
    dprecmar,dprecoc,dprechal,dprecher);
    if dpreccON=9 then dpreccON=.;

* DPRAGCON (Dependence Problem REENCY AGE, any controlled substance);

    array drag(*) dpragmaseq dpragmastrq dpragmasti dpragmaags dpragmainh 
    dpragmamar dpragmaoc dpragmahal dpragmaher;
    do i=1 to dim(drag);
    if drag(i)=999 then drag(i)=.;
    end; drop i;
    dpragmacon=max(dpragmaseq,dpragmastrq,dpragmasti,dpragmaags,dpragmainh, 
    dpragmamar,dpragmaoc,dpragmahal,dpragmaher);

* DFLYCON (Dependence Full Criteria in Past Year, any controlled substance);

    if dflyseq=1 or dflystrq=1 or dflysti=1 or dflyags=1 or dflyinh=1 or 
    dflymar=1 or dflyoc=1 or dflyhal=1 or dflyher=1 then dflycon=1;
    else dflycon=0;

* ALIFCON (Abuse, Lifetime, any controlled substance);

    if alifseq=1 or alifstrq=1 or alifsti=1 or alifags=1 or alifinh=1 or 
    alifmar=1 or alifoc=1 or alifhal=1 or alifher=1 then alifcon=1;
    else alifCON=0;

* ALOACON (Abuse, Lifetime Onset Age, any controlled substance);

    array Aloa(*) aloaseq aloastq aloasti aloags aloainh 
    aloamar aloacoc aloahal aloaher;
    do i=1 to dim(aloa);
    if aloa(i)=. then aloa(i)=999;
    end; drop i;
    aloacon=min(aloaed,aloatrq,aloasti,aloags,aloainh, 
    aloamar,aloacoc,aloahal,aloaher);
    if aloacon=999 then aloacon=.;

* ASRECCON (Abuse SYMPTOM REENCY, any controlled substance);

    array asrec(*) asrecseq asrecstrq asrecsti asrecags asrecinh 
    asrecmar asrecoc asrechal asreccher;
    do i=1 to dim(asrec);
    if asrec(i)=. then asrec(i)=9; end; drop i;
asrecon=min(asrecesd,asrectrq,asrecsti,asrecags,asrecinh,
asreccmar,asreccoc,asrechal,asrecher);
if asrecon=9 then asrecon=.;

* ASRAGCON (Abuse SYMPTOM RECENT AGE, any controlled substance);

array asrag(*)
asrageds asragtrq asragsti asragags asraginh
asragmar asragcoc asraghal asragher;
do i=1 to dim(asrag);
if asrag(i)=999 then asrag(i)=.; end; drop i;

asragcon=max(asrageds,asragtrq,asragsti,asragags,asraginh,
asragmar,asragcoc,asraghal,asragher);

* AFLYCON (Abuse Full Criteria in Past Year, any controlled substance);

if aflysed=1 or aflytrq=1 or aflysti=1 or aflyags=1 or aflyinh=1 or
aflymar=1 or aflycoc=1 or aflyhal=1 or aflyher=1 then aflycon=1;
else aflycon=0;

* DALIFCON (Dependence or Abuse, Life, any controlled substance);

if dlifcon=1 or alifcon=1 then dalifcon=1; else dalifcon=0;

* DALIFALC (Dependence or Abuse, Life, alcohol);

if dlifalc=1 or alifalc=1 then dalifalc=1; else dalifalc=0;

array missx(*)
aprecalc aprecesd aprectrq aprecesti aprecags aprecinh
aprecmar apreccoc aprechal aprecher
aprecaalc aprecesd aprectrq aprecesti apreccags apreccinh
aprecmar apreccoc aprechal aprecher
dprecalc dprecessd dprectrq dprecesti dpreccags dpreccinh
dprecmar dpreccoc dprechal dprecher;
do i=1 to dim(missx);
if missx(i)=9 then missx(i)=.; end; drop i;

array missy(*)
dloaalc dloased dloatrq dloasti dloags dloainh
dloamar dloacoc dloahal dloaher
dlpaalc dlpaoed dlpaotrq dlpaosti dlpaags dlpaoinh
dlpaamar dlpaococ dlpaahal dlpaaher
daloaalc aloased aloatrq aloasti aloags aloainh
daloamar aloacoc aloahal aloaher;
do i=1 to dim(missy);
if missy(i)=999 then missy(i)=.; end; drop i;
*** DSM-III-R Affective and Anxiety Disorders;

* nap50;

man1 man2 manons manonsa manrec manreca
hman hmanons hmanonsa hmanrec hmanreca
dep1 dep2 depons deponsa deprec depreca
dysl dys2 dysons dysonsa dysrec dysreca
gadl gad2 gadons gadonsa gadrec gadreca
ago agons agonsa agrec agreca
sim simons simonsa simrec simreca
soc socons soconsa socrec socreca
pt pdons pdonsa pdrec pdreca
ptsd
aspl asp2
aab
cd

*** DSM-III-R Substance Abuse and Dependence Disorders;

dlifalc dlifsed dliftrq dlifsti dlifags dlifinh dlifmar dlifcoc
dlifhal dlifher
dloaalc dloased dloatrq dloatsti dloaags dloainh dloamar dloacoc
dloahal dloaher
dtpalc dtpsed dtpttrq dtptstl dtptps dtpags dtpinh dtpmar dtpcoc
dtphal dtpher
dlpcalc dlpcsed dlpctrq dlpcsti dlpcags dlpcinh dlpcmar dlpcoc
dlphal dlphcr
dlpoaalc dlpoased dlpoatrq dlpoastl dlpoaags dlpoainh dlpoamar dlpoacoc
dlpoahal dlpoaher
dprecalc dprecsted dprectrq dprecestl dprecags dprecinh dprecmar dprecoc
dprechal dprecher
dltragalc dtragsed dtragtrq dtragstl dtragags dtraginh dtrargmar dtragcog
dlraghal dtragher
dflyalc dflysed dflytrq dflysti dflyags dflyinh dflymar dflycoc
dflyhal dflyher
dlmalc dlmsed dlmtime dlmsag dlmsinh dlmsmar dlmscoc
dlmlhal dlmlher
alifalc alifased aliftrq alifsti alifags alifinh alifmar alifcoc
alifhal aliffcr
aloalc aloased aloatrq aloastl aloaags aloainh aloamar aloacoc

A-122
aloahal aloahe
aprecalc aprecsed aprectrq aprecsti aprecags aprecinh aprecmar apreccoc
aprechal aprecher
apragalc apragsed apragtrq apragstqi apragags apraginh apragmar apragcoc
apraghal apragher
asrecalc asrecsed asrectrq asrecsti asrecags asrecinh asrecmar asreccoc
asrechal asrecher
asragalc asragsed asragtrq asragstqi asragags asraginh asragmar asragcoc
asraghal asragher
aflyalc aflysed aflytrq aflystqi aflyags aflyinh aflymar aflycoc
aflyhal aflyher
aflmalc aflmsed aflmtrq aflmstqi aflmags aflminh aflmmar aflmoc
aflmhal aflmher

dlifcon dloacon dlpoacon dprecon dpragcon dflycon
alifcon aloacon asrecon asragcon aflycon
dalifcon dalifalc

rcusetob dliftob dloatob dlptob dprectob;

*****************************************************************************;

A-123
Appendix B

Diagnostic Algorithms for NCS/DSM-III-R Disorders

NCS Working Paper #7
<table>
<thead>
<tr>
<th>Var. Name</th>
<th>Q. Number</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>none</td>
<td>case id</td>
</tr>
<tr>
<td>V12</td>
<td>none</td>
<td>R's age</td>
</tr>
<tr>
<td>V301</td>
<td>b1</td>
<td>ever frightnd/anxious</td>
</tr>
<tr>
<td>V302</td>
<td>b2</td>
<td>ever 1mo/more anxious</td>
</tr>
<tr>
<td>V303</td>
<td>b2a</td>
<td>#longest time anxious</td>
</tr>
<tr>
<td>V304</td>
<td>b2a</td>
<td>period time anxious</td>
</tr>
<tr>
<td>V305</td>
<td>b2b</td>
<td>B2a 6mo or longer</td>
</tr>
<tr>
<td>V306</td>
<td>b3</td>
<td>sad 2 yrs or more</td>
</tr>
<tr>
<td>V307</td>
<td>b3a</td>
<td>2yr sad uninterupted</td>
</tr>
<tr>
<td>V308</td>
<td>b4</td>
<td>sad/blue 2wks or more</td>
</tr>
<tr>
<td>V309</td>
<td>b4a</td>
<td>low/gloomy 2wks/more</td>
</tr>
<tr>
<td>V310</td>
<td>b5</td>
<td>no interest 2wks/more</td>
</tr>
<tr>
<td>V311</td>
<td>b5a</td>
<td>complty no interest</td>
</tr>
<tr>
<td>V312</td>
<td>b6</td>
<td>manic/excitd 2dy/more</td>
</tr>
<tr>
<td>V313</td>
<td>b7</td>
<td>irritable severl days</td>
</tr>
<tr>
<td>V314</td>
<td>b8</td>
<td>frightend listA/pagel</td>
</tr>
<tr>
<td>V315</td>
<td>b8a</td>
<td>fear crowd/in line</td>
</tr>
<tr>
<td>V316</td>
<td>b8b</td>
<td>fear away from home</td>
</tr>
<tr>
<td>V317</td>
<td>b8c</td>
<td>fear in public place</td>
</tr>
<tr>
<td>V318</td>
<td>b8d</td>
<td>fear in car/tran/bus</td>
</tr>
<tr>
<td>V319</td>
<td>b8e</td>
<td>fear crossing bridge</td>
</tr>
<tr>
<td>V320</td>
<td>b9</td>
<td>ckpt-1/more yes B8a-e</td>
</tr>
<tr>
<td>V321</td>
<td>b10</td>
<td>&quot;dizy,sweaty,tremble&quot;</td>
</tr>
<tr>
<td>V322</td>
<td>b11</td>
<td>&quot;chest/stom hurt,chok&quot;</td>
</tr>
<tr>
<td>V323</td>
<td>b12</td>
<td>afraid of collapsing</td>
</tr>
<tr>
<td>V324</td>
<td>b12a</td>
<td>othr embarrasng sxs</td>
</tr>
<tr>
<td>V325</td>
<td>b13</td>
<td>avoid situ duto fear</td>
</tr>
<tr>
<td>V334</td>
<td>b19</td>
<td>unable travel (fear)</td>
</tr>
<tr>
<td>V335</td>
<td>b20</td>
<td>unabl leavehome-fear</td>
</tr>
<tr>
<td>V336</td>
<td>b21</td>
<td>fear interf w/life</td>
</tr>
<tr>
<td>V337</td>
<td>b22</td>
<td>avoidnc intrfr w/lif</td>
</tr>
<tr>
<td>V338</td>
<td>b23</td>
<td>ckpt-1/&gt; boxes B15-22</td>
</tr>
<tr>
<td>V339</td>
<td>b24</td>
<td>first time had fears</td>
</tr>
<tr>
<td>V340</td>
<td>b25</td>
<td>exact age 1st fears</td>
</tr>
<tr>
<td>V341</td>
<td>b25a/b</td>
<td>how old 1st fears</td>
</tr>
<tr>
<td>V342</td>
<td>b25c</td>
<td>earliest age fears</td>
</tr>
<tr>
<td>V343</td>
<td>b26</td>
<td>last time had fears</td>
</tr>
<tr>
<td>V344</td>
<td>b26a</td>
<td>yrs old last time</td>
</tr>
<tr>
<td>V401</td>
<td>b29a</td>
<td>fear public speakng</td>
</tr>
<tr>
<td>V402</td>
<td>b29b</td>
<td>fear public toilet</td>
</tr>
<tr>
<td>V403</td>
<td>b29c</td>
<td>fear public eating</td>
</tr>
<tr>
<td>V404</td>
<td>b29d</td>
<td>fear talk w/others</td>
</tr>
<tr>
<td>V405</td>
<td>b29e</td>
<td>fear wrting-watched</td>
</tr>
<tr>
<td>V406</td>
<td>b29f</td>
<td>fear sm publ speakn</td>
</tr>
<tr>
<td>V407</td>
<td>b30</td>
<td>ckpt-1/&gt; yes B29a-f</td>
</tr>
<tr>
<td>V408</td>
<td>b31</td>
<td>fear months or years</td>
</tr>
<tr>
<td>V409</td>
<td>b31a</td>
<td>avoided situation</td>
</tr>
<tr>
<td>V417</td>
<td>b36</td>
<td>upset w/self forfear</td>
</tr>
<tr>
<td>V418</td>
<td>b37</td>
<td>fear interfer w/life</td>
</tr>
</tbody>
</table>

B-1
<table>
<thead>
<tr>
<th>Page</th>
<th>V419</th>
<th>b38</th>
<th>avoidnc intrfwr/life</th>
</tr>
</thead>
<tbody>
<tr>
<td>51</td>
<td>V420</td>
<td>b39</td>
<td>ckpt-1/&gt; yes B32-B38</td>
</tr>
<tr>
<td>52</td>
<td>V421</td>
<td>b40</td>
<td>1st time had fear</td>
</tr>
<tr>
<td>53</td>
<td>V422</td>
<td>b41</td>
<td>exact age 1st x fear</td>
</tr>
<tr>
<td>54</td>
<td>V423</td>
<td>b41a/b</td>
<td>age 1st x fear</td>
</tr>
<tr>
<td>55</td>
<td>V424</td>
<td>b41c</td>
<td>earliest had fears</td>
</tr>
<tr>
<td>56</td>
<td>V425</td>
<td>b42</td>
<td>last time had fears</td>
</tr>
<tr>
<td>57</td>
<td>V426</td>
<td>b42a</td>
<td>#yrs old last time</td>
</tr>
<tr>
<td>58</td>
<td>V427</td>
<td>b43</td>
<td>fear prohibit tasks</td>
</tr>
<tr>
<td>59</td>
<td>V428</td>
<td>b44</td>
<td>fear probb.soc.life</td>
</tr>
<tr>
<td>60</td>
<td>V429</td>
<td>b45</td>
<td>&quot;nervous,panic,sweaty&quot;</td>
</tr>
<tr>
<td>61</td>
<td>V430</td>
<td>b46</td>
<td>&quot;blush,shake,embarrsd&quot;</td>
</tr>
<tr>
<td>62</td>
<td>V501</td>
<td>b49a</td>
<td>fear of heights</td>
</tr>
<tr>
<td>63</td>
<td>V502</td>
<td>b49b</td>
<td>fear of flying</td>
</tr>
<tr>
<td>64</td>
<td>V503</td>
<td>b49c</td>
<td>fear closed spaces</td>
</tr>
<tr>
<td>65</td>
<td>V504</td>
<td>b49d</td>
<td>fear of being alone</td>
</tr>
<tr>
<td>66</td>
<td>V505</td>
<td>b49e</td>
<td>ckpt-1/&gt; yes B49a-d</td>
</tr>
<tr>
<td>67</td>
<td>V506</td>
<td>b49g</td>
<td>&quot;fear storm,thunder&quot;</td>
</tr>
<tr>
<td>68</td>
<td>V507</td>
<td>b49h</td>
<td>&quot;fear snakes,animals&quot;</td>
</tr>
<tr>
<td>69</td>
<td>V508</td>
<td>b49i</td>
<td>&quot;fear blood,shot&quot;</td>
</tr>
<tr>
<td>70</td>
<td>V509</td>
<td>b49j</td>
<td>&quot;fear watr,lake,pool&quot;</td>
</tr>
<tr>
<td>71</td>
<td>V510</td>
<td>b49k</td>
<td>othr fear to avoid</td>
</tr>
<tr>
<td>72</td>
<td>V511</td>
<td>b50</td>
<td>ckpt-1/&gt; yes B49a-k</td>
</tr>
<tr>
<td>73</td>
<td>V512</td>
<td>b51</td>
<td>fear months or years</td>
</tr>
<tr>
<td>74</td>
<td>V513</td>
<td>b51a</td>
<td>avoided situation</td>
</tr>
<tr>
<td>75</td>
<td>V521</td>
<td>b56</td>
<td>upset w/self 4 fears</td>
</tr>
<tr>
<td>76</td>
<td>V522</td>
<td>b57</td>
<td>fear interfer w/life</td>
</tr>
<tr>
<td>77</td>
<td>V523</td>
<td>b58</td>
<td>avoidnc intrfwr/life</td>
</tr>
<tr>
<td>78</td>
<td>V524</td>
<td>b59</td>
<td>ckpt-1/&gt; boxs B52-58</td>
</tr>
<tr>
<td>79</td>
<td>V525</td>
<td>b60</td>
<td>1st time had fears</td>
</tr>
<tr>
<td>80</td>
<td>V526</td>
<td>b61</td>
<td>exact age 1st x fear</td>
</tr>
<tr>
<td>81</td>
<td>V527</td>
<td>b61a/b</td>
<td>age 1st x fear</td>
</tr>
<tr>
<td>82</td>
<td>V528</td>
<td>b61c</td>
<td>earliest age fear</td>
</tr>
<tr>
<td>83</td>
<td>V529</td>
<td>b62</td>
<td>last x had fear</td>
</tr>
<tr>
<td>84</td>
<td>V530</td>
<td>b62a</td>
<td>age last time fear</td>
</tr>
<tr>
<td>85</td>
<td>V531</td>
<td>b63</td>
<td>fear prohibit tasks</td>
</tr>
<tr>
<td>86</td>
<td>V532</td>
<td>b64</td>
<td>fear proht.soc.life</td>
</tr>
<tr>
<td>87</td>
<td>V533</td>
<td>b65</td>
<td>&quot;nervous,panic,sweaty&quot;</td>
</tr>
<tr>
<td>88</td>
<td>V534</td>
<td>b66</td>
<td>fear ever w/drug/alc</td>
</tr>
<tr>
<td>89</td>
<td>V535</td>
<td>b66a</td>
<td>fear always w/drugs</td>
</tr>
<tr>
<td>90</td>
<td>V536</td>
<td>b66b</td>
<td>fear or drugs lst</td>
</tr>
<tr>
<td>91</td>
<td>V537</td>
<td>b67</td>
<td>drugs to reduce fear</td>
</tr>
<tr>
<td>92</td>
<td>V538</td>
<td>b67a</td>
<td>drugs made R better</td>
</tr>
<tr>
<td>93</td>
<td>V609</td>
<td>b70</td>
<td>anxios-no dangr/attn</td>
</tr>
<tr>
<td>94</td>
<td>V610</td>
<td>b71a</td>
<td>short/trbl w/breath</td>
</tr>
<tr>
<td>95</td>
<td>V611</td>
<td>b71b</td>
<td>heart pound</td>
</tr>
<tr>
<td>96</td>
<td>V612</td>
<td>b71c</td>
<td>dizzy/lightheaded</td>
</tr>
<tr>
<td>97</td>
<td>V613</td>
<td>b71d</td>
<td>pain chest/stomach</td>
</tr>
<tr>
<td>98</td>
<td>V614</td>
<td>b71e</td>
<td>feet tingle/numb</td>
</tr>
<tr>
<td>99</td>
<td>V615</td>
<td>b71f</td>
<td>&quot;chokng,diff swallow&quot;</td>
</tr>
<tr>
<td>100</td>
<td>V616</td>
<td>b71g</td>
<td>feel faint</td>
</tr>
<tr>
<td>101</td>
<td>V617</td>
<td>b71h</td>
<td>did R sweat</td>
</tr>
</tbody>
</table>

B-2
102 V618 b71i tremble or shake
103 V619 b71j hot flashes/chills
104 V620 b71k things seem unreal
105 V621 b71l time slow/quick
106 V622 b71m afraid might die
107 V623 b71n afraid act crazy
108 V624 b71o did R have nausea
109 V625 b71p pain stomach/belly
110 V626 b71q feel smothering
111 V627 b71r have dry mouth
112 V628 b72 ckpt-2/> yes B71a-r
113 V629 b73 sxs sudden &gotworse
114 V630 b74 1st x attack/frighten
115 V631 b75 exact age lstx attac
116 V632 b75a/b age lst x attack
117 V633 b75c earliest age attack
118 V634 b76 last x attck & 2 sxs
119 V635 b76a age last time
120 V636 b77 #spell/attck in life
121 V637 b78 ckpt-3/< attcks B77
122 V638 b79 4/> spells w/in 4wks
123 V639 b79a exc exact age 4/>attk4wk
124 V640 b79a/c age 4/>atts 4wks
125 V641 b79d earlst age 4/>attack
126 V642 b80 afraid another attak
127 V643 b80a exact age 1st afraid
128 V644 b80b/c age 1st x afraid
129 V645 b80d earlst age afraid
130 V701 b82 4atts/wk in 1/> mos
tell dr about attaks
131 V702 b83
132 V703 b83a
133 V704 b84
dr prescrb med 4 attk
134 V705 b84a age lstx dr prescrbd
135 V706 b85
dr advise m.h.profsl
136 V707 b85a age lstx m.h.profsl
137 V708 b86 m.h.profsl 4 attacks
138 V709 b86a age lstx m.h.profsl
139 V710 b87 othr profsl 4 attaks
140 V711 b87a age lstx othr profl
141 V712 b88 medicatn >lx 4 attak
142 V713 b88a age lstx took meds
143 V714 b89 attak interf r w/life
144 V715 b90 "ckpt-yes B83,86 or87"
145 V716 b91 ckpt-seeB90a;1stckpt
146 V717 b92 attak-illness/injury
147 V718 b93 attk-alwys ilns/injr
148 V719 b94 attk-alwys med/drugs
149 V732 b99a attk evry x in situ
t attk most x in situ
150 V733 b99b attk not in situatn
151 V734 b99c anxs-worry 4 nothng
152 V803 b101 worry-not serious
153 V804 b101a
<table>
<thead>
<tr>
<th>Code</th>
<th>Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>V805</td>
<td>b102</td>
</tr>
<tr>
<td>V806</td>
<td>b102a</td>
</tr>
<tr>
<td>V807</td>
<td>b102c</td>
</tr>
<tr>
<td>V808</td>
<td>b103a</td>
</tr>
<tr>
<td>V809</td>
<td>b103b</td>
</tr>
<tr>
<td>V810</td>
<td>b103c</td>
</tr>
<tr>
<td>V811</td>
<td>b103d</td>
</tr>
<tr>
<td>V812</td>
<td>b103e</td>
</tr>
<tr>
<td>V813</td>
<td>b103f</td>
</tr>
<tr>
<td>V814</td>
<td>b103g</td>
</tr>
<tr>
<td>V815</td>
<td>b103h</td>
</tr>
<tr>
<td>V816</td>
<td>b103i</td>
</tr>
<tr>
<td>V817</td>
<td>b103j</td>
</tr>
<tr>
<td>V818</td>
<td>b103k</td>
</tr>
<tr>
<td>V819</td>
<td>b103l</td>
</tr>
<tr>
<td>V820</td>
<td>b103m</td>
</tr>
<tr>
<td>V821</td>
<td>b103n</td>
</tr>
<tr>
<td>V822</td>
<td>b103o</td>
</tr>
<tr>
<td>V823</td>
<td>b103p</td>
</tr>
<tr>
<td>V824</td>
<td>b103q</td>
</tr>
<tr>
<td>V825</td>
<td>b103r</td>
</tr>
<tr>
<td>V826</td>
<td>b103s</td>
</tr>
<tr>
<td>V827</td>
<td>b103t</td>
</tr>
<tr>
<td>V828</td>
<td>b103u</td>
</tr>
<tr>
<td>V829</td>
<td>b103v</td>
</tr>
<tr>
<td>V830</td>
<td>b103w</td>
</tr>
<tr>
<td>V902</td>
<td>b105a_01</td>
</tr>
<tr>
<td>V903</td>
<td>b105a_02</td>
</tr>
<tr>
<td>V904</td>
<td>b105a_03</td>
</tr>
<tr>
<td>V905</td>
<td>b105a_04</td>
</tr>
<tr>
<td>V906</td>
<td>b105a_05</td>
</tr>
<tr>
<td>V907</td>
<td>b105a_06</td>
</tr>
<tr>
<td>V908</td>
<td>b105a_07</td>
</tr>
<tr>
<td>V909</td>
<td>b105a_08</td>
</tr>
<tr>
<td>V910</td>
<td>b105a_09</td>
</tr>
<tr>
<td>V911</td>
<td>b105a_10</td>
</tr>
<tr>
<td>V912</td>
<td>b105a_11</td>
</tr>
<tr>
<td>V913</td>
<td>b105a_12</td>
</tr>
<tr>
<td>V914</td>
<td>b105a_13</td>
</tr>
<tr>
<td>V915</td>
<td>b105a_14</td>
</tr>
<tr>
<td>V916</td>
<td>b105a_15</td>
</tr>
<tr>
<td>V917</td>
<td>b105a_16</td>
</tr>
<tr>
<td>V918</td>
<td>b105a_17</td>
</tr>
<tr>
<td>V919</td>
<td>b105a_18</td>
</tr>
<tr>
<td>V920</td>
<td>b105a_19</td>
</tr>
<tr>
<td>V921</td>
<td>b105a_20</td>
</tr>
<tr>
<td>V922</td>
<td>b105a_21</td>
</tr>
<tr>
<td>V923</td>
<td>b105a_22</td>
</tr>
<tr>
<td>V924</td>
<td>b105a_23</td>
</tr>
<tr>
<td>V925</td>
<td>b106</td>
</tr>
<tr>
<td>V926</td>
<td>b107</td>
</tr>
<tr>
<td>V927</td>
<td>b107a/b</td>
</tr>
</tbody>
</table>

diff worsis same x
wory-othr do/haptn
ckpt-wories B102b
easily startled
trembly or shake
restlessness
"tense,sore,aching"
"keyed up, on edge"
partic. irritable
heart pound/race
smothering
easily tired
cold/clammy hands
dry mouth
nausea or diarrhea
diffclty concentr
hot flashes/chills
troubl swallowing
trbl stayng asleep
pain in stomach
trbl mind on task
urinate too freq
dizzy/lightheaded
feel faint/unreal
lose contrl/go mad
did R sweat a lot
rxn fr drug-anxios
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23

1stx anx 4 6mo6rxn
exact age 1st time
age 1st x startd

B-4
<table>
<thead>
<tr>
<th>Line</th>
<th>ID</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>206</td>
<td>V928</td>
<td>b107c</td>
<td>earliest age anx 6mo</td>
</tr>
<tr>
<td>207</td>
<td>V929</td>
<td>b108</td>
<td>last x anx 6mo-6rns</td>
</tr>
<tr>
<td>208</td>
<td>V930</td>
<td>b108a</td>
<td>age lastx anx&amp;rns</td>
</tr>
<tr>
<td>209</td>
<td>V945</td>
<td>b116a</td>
<td>anx always w/drugs</td>
</tr>
<tr>
<td>210</td>
<td>V946</td>
<td>b116b</td>
<td>anx or drugs first</td>
</tr>
<tr>
<td>211</td>
<td>V1004</td>
<td>c1b</td>
<td>sad/depressed-hopeless</td>
</tr>
<tr>
<td>212</td>
<td>V1005</td>
<td>c1c</td>
<td>sad-not cope w/life</td>
</tr>
<tr>
<td>213</td>
<td>V1006</td>
<td>c1d</td>
<td>sad-life not better</td>
</tr>
<tr>
<td>214</td>
<td>V1007</td>
<td>c2</td>
<td>exact age-sad 2/&gt; yrs</td>
</tr>
<tr>
<td>215</td>
<td>V1008</td>
<td>c2a/b</td>
<td>age sad 2yr started</td>
</tr>
<tr>
<td>216</td>
<td>V1009</td>
<td>c2c</td>
<td>earlist age sad 2yrs</td>
</tr>
<tr>
<td>217</td>
<td>V1010</td>
<td>c3</td>
<td>deprens constant ornot</td>
</tr>
<tr>
<td>218</td>
<td>V1011</td>
<td>c3a</td>
<td>time deprens lasts</td>
</tr>
<tr>
<td>219</td>
<td>V1012</td>
<td>c3a</td>
<td>period deprens lasts</td>
</tr>
<tr>
<td>220</td>
<td>V1013</td>
<td>c3b</td>
<td>#x betwn depr perids</td>
</tr>
<tr>
<td>221</td>
<td>V1014</td>
<td>c3b</td>
<td>period betwn deprens</td>
</tr>
<tr>
<td>222</td>
<td>V1015</td>
<td>c4</td>
<td>last x deprens 2yrs/&gt;</td>
</tr>
<tr>
<td>223</td>
<td>V1016</td>
<td>c4a</td>
<td>age lastx dprs 2yr/&gt;</td>
</tr>
<tr>
<td>224</td>
<td>V1101</td>
<td>d2</td>
<td>lost appetite 2wks/&gt;</td>
</tr>
<tr>
<td>225</td>
<td>V1102</td>
<td>d3</td>
<td>completly no appetite</td>
</tr>
<tr>
<td>226</td>
<td>V1103</td>
<td>d4</td>
<td>lost wgt w/out trying</td>
</tr>
<tr>
<td>227</td>
<td>V1104</td>
<td>d5</td>
<td>how much weight lost</td>
</tr>
<tr>
<td>228</td>
<td>V1105</td>
<td>d6</td>
<td>increas appetit 2wk/&gt;</td>
</tr>
<tr>
<td>229</td>
<td>V1106</td>
<td>d7</td>
<td>gained weight-2lbs/wk</td>
</tr>
<tr>
<td>230</td>
<td>V1107</td>
<td>d8</td>
<td>most weight evr gaind</td>
</tr>
<tr>
<td>231</td>
<td>V1108</td>
<td>d9</td>
<td>trbl fall asleep 2wk&gt;</td>
</tr>
<tr>
<td>232</td>
<td>V1109</td>
<td>d10</td>
<td>2hr fall asleep2wk/&gt;</td>
</tr>
<tr>
<td>233</td>
<td>V1110</td>
<td>d11</td>
<td>trbl stayng sleep2wk</td>
</tr>
<tr>
<td>234</td>
<td>V1111</td>
<td>d12</td>
<td>awake &gt;1hr 4 2wks/&gt;</td>
</tr>
<tr>
<td>235</td>
<td>V1112</td>
<td>d13</td>
<td>woke too early 2wk/&gt;</td>
</tr>
<tr>
<td>236</td>
<td>V1113</td>
<td>d14</td>
<td>woke 2hr early 2wk/&gt;</td>
</tr>
<tr>
<td>237</td>
<td>V1114</td>
<td>d15</td>
<td>slept too much 2wk/&gt;</td>
</tr>
<tr>
<td>238</td>
<td>V1115</td>
<td>d16</td>
<td>lack enrgy/tird 2wk&gt;</td>
</tr>
<tr>
<td>239</td>
<td>V1116</td>
<td>d17</td>
<td>completly no enrgy2wk</td>
</tr>
<tr>
<td>240</td>
<td>V1117</td>
<td>d18</td>
<td>bad morn/betrer later</td>
</tr>
<tr>
<td>241</td>
<td>V1118</td>
<td>d19</td>
<td>talkd/move slower2wk</td>
</tr>
<tr>
<td>242</td>
<td>V1119</td>
<td>d20</td>
<td>othr noticd R slower</td>
</tr>
<tr>
<td>243</td>
<td>V1120</td>
<td>d21</td>
<td>moved all time-2wk/&gt;</td>
</tr>
<tr>
<td>244</td>
<td>V1121</td>
<td>d22</td>
<td>respons fr B5 screen</td>
</tr>
<tr>
<td>245</td>
<td>V1122</td>
<td>d23</td>
<td>respsns fr B5a screen</td>
</tr>
<tr>
<td>246</td>
<td>V1123</td>
<td>d24</td>
<td>not enjoy good thing</td>
</tr>
<tr>
<td>247</td>
<td>V1124</td>
<td>d25</td>
<td>less interest in sex</td>
</tr>
<tr>
<td>248</td>
<td>V1125</td>
<td>d26</td>
<td>complt lost sex intr</td>
</tr>
<tr>
<td>249</td>
<td>V1126</td>
<td>d27</td>
<td>felt worthless 2wk/&gt;</td>
</tr>
<tr>
<td>250</td>
<td>V1127</td>
<td>d28</td>
<td>complet worthss 2wk/&gt;</td>
</tr>
<tr>
<td>251</td>
<td>V1128</td>
<td>d29</td>
<td>felt sinful 2wks/&gt;</td>
</tr>
<tr>
<td>252</td>
<td>V1129</td>
<td>d30</td>
<td>felt guilty 2wks/&gt;</td>
</tr>
<tr>
<td>253</td>
<td>V1130</td>
<td>d31</td>
<td>felt inferior 2wks/&gt;</td>
</tr>
<tr>
<td>254</td>
<td>V1131</td>
<td>d32</td>
<td>low self-confidance</td>
</tr>
<tr>
<td>255</td>
<td>V1132</td>
<td>d33</td>
<td>complet lost confidnc</td>
</tr>
<tr>
<td>256</td>
<td>V1133</td>
<td>d34</td>
<td>trbl concentrng 2wks/&gt;</td>
</tr>
<tr>
<td>257</td>
<td>V1134</td>
<td>d35</td>
<td>unabl pay atten 2wks/&gt;</td>
</tr>
</tbody>
</table>
slow thoughts/mixdup
unabl decide 4 2wk/>
complet unabl decide
ckpt-yes respons B3a
ckpt-2/> sadnes boxes
consistency check variable
thought alot of death
wented to die 2wks/>
thought comitng suicid
evr attempted suicid
feeling w/problems
nevr feelng w/prblm
feelng prohib.workng
hospitalizd 4 feelng
age 1st hospitalized
ckpt-1/>boxs D48-D56
#period feel w/probl
when period started
exact age perd start
age period startd
period after death
other causd feelng
feel&prbl end/still
when feel&prbl end
exact age feelg end
age feel/prbl end
#time feel/prbl last
period feel/prb last
lx feelng&prbl 2wk/>
exct age lx feel/prb
age lx feelg/prbl
earlst age feel 2wk
lastx feel&prbl 2wk>
age lastx feel 2wk>
betw feelngs felt ok
btwn work&enjoy oth
normal period 6mo/>
normal period 2mo/>
feeling after death
feel&prb aftr death
#time longst feel&pr
period lngst feel&pr
ckpt-yes B3a screenr
exct age lx feel 2yr
age lx feel 2yr/>
earlyst age feel 2yr
when lastx feel&prbl
age lastx feel&prbl
age most# feelgs 2wk
part.bad feelng 2wk>
age bad/recntfeel
categ#3 problm#01
<table>
<thead>
<tr>
<th>Line</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>310</td>
<td>VI402</td>
</tr>
<tr>
<td>311</td>
<td>VI403</td>
</tr>
<tr>
<td>312</td>
<td>VI404</td>
</tr>
<tr>
<td>313</td>
<td>VI405</td>
</tr>
<tr>
<td>314</td>
<td>VI406</td>
</tr>
<tr>
<td>315</td>
<td>VI407</td>
</tr>
<tr>
<td>316</td>
<td>VI408</td>
</tr>
<tr>
<td>317</td>
<td>VI409</td>
</tr>
<tr>
<td>318</td>
<td>VI410</td>
</tr>
<tr>
<td>319</td>
<td>VI411</td>
</tr>
<tr>
<td>320</td>
<td>VI412</td>
</tr>
<tr>
<td>321</td>
<td>VI413</td>
</tr>
<tr>
<td>322</td>
<td>VI414</td>
</tr>
<tr>
<td>323</td>
<td>VI415</td>
</tr>
<tr>
<td>324</td>
<td>VI416</td>
</tr>
<tr>
<td>325</td>
<td>VI417</td>
</tr>
<tr>
<td>326</td>
<td>VI418</td>
</tr>
<tr>
<td>327</td>
<td>VI419</td>
</tr>
<tr>
<td>328</td>
<td>VI420</td>
</tr>
<tr>
<td>329</td>
<td>VI421</td>
</tr>
<tr>
<td>330</td>
<td>VI422</td>
</tr>
<tr>
<td>331</td>
<td>VI423</td>
</tr>
<tr>
<td>332</td>
<td>VI424</td>
</tr>
<tr>
<td>333</td>
<td>VI425</td>
</tr>
<tr>
<td>334</td>
<td>VI426</td>
</tr>
<tr>
<td>335</td>
<td>VI427</td>
</tr>
<tr>
<td>336</td>
<td>VI428</td>
</tr>
<tr>
<td>337</td>
<td>VI429</td>
</tr>
<tr>
<td>338</td>
<td>VI430</td>
</tr>
<tr>
<td>339</td>
<td>VI431</td>
</tr>
<tr>
<td>340</td>
<td>VI432</td>
</tr>
<tr>
<td>341</td>
<td>VI433</td>
</tr>
<tr>
<td>342</td>
<td>VI434</td>
</tr>
<tr>
<td>343</td>
<td>VI435</td>
</tr>
<tr>
<td>344</td>
<td>VI436</td>
</tr>
<tr>
<td>345</td>
<td>VI437</td>
</tr>
<tr>
<td>346</td>
<td>VI438</td>
</tr>
<tr>
<td>347</td>
<td>VI439</td>
</tr>
<tr>
<td>348</td>
<td>VI440</td>
</tr>
<tr>
<td>349</td>
<td>VI441</td>
</tr>
<tr>
<td>350</td>
<td>VI442</td>
</tr>
<tr>
<td>351</td>
<td>VI443</td>
</tr>
<tr>
<td>352</td>
<td>VI444</td>
</tr>
<tr>
<td>353</td>
<td>VI445</td>
</tr>
<tr>
<td>354</td>
<td>VI501</td>
</tr>
<tr>
<td>355</td>
<td>VI502</td>
</tr>
<tr>
<td>356</td>
<td>VI503</td>
</tr>
<tr>
<td>357</td>
<td>VI504</td>
</tr>
<tr>
<td>358</td>
<td>VI505</td>
</tr>
<tr>
<td>359</td>
<td>VI506</td>
</tr>
<tr>
<td>360</td>
<td>VI507</td>
</tr>
<tr>
<td>361</td>
<td>VI508</td>
</tr>
</tbody>
</table>
"ckpt-" "one" in D58"
feel&prbl w/drugs&alc
feeling or drugs lst
drugs to feel better
drugs made R better
ckpt-B104 box checkd
feeling w/worries
worry or feeling lst
feel/worry away lst
6mo worry w/feeling
worry alwys w/feeling
worry or feeling lst
worry/feelg away lst
mania alwys fr drugs
ckpt-yes B7 screener
irritabl fr drug/alc
irritbl alwys fr drug
concerned activity of R
active w/out tired
not still/paced up&down
spending sprees
sex interest stronger
talked fast/all time
thoughts raced
special gift/powers
ckpt-exampl realtc
little sleep/not tired
easily distracted
ckpt-2/yesbox E4-12
ckpt-yes B6 screener
ckpt-yes B7 screenr
feeling & manic behvr
never feel/mancbehv
tell doctor feeling
age lxtold dr feelg
dr prscrb meds-feelg
age lxdr prsclb meds
dr advise m.h.profsl
age lxdr advis mhpf
saw m.h.prof-spells
age lx saw m.h.prof
othr prof abt spells
age lx saw othprof
evr meds >lx 4 spell
age lx meds>lxspell
spells intrfr w/life
hospitalzd 4 spell
age lst hospitalzd
ckpt-1/>box E16-E23
lx spell w/manicbhvr
exact age spel w/bhvr
age lstx spell
earlst age lx spell
lastx spell 2dys/>
age lastx spell 2dy
#spells w/manc behvr
#time longest spell
period longest spell
spl&prbl w/drugs/alc
spell or drugs lst
drugs to feel better
drugs made R better
spl&prbl w/drugs/alc
spl&prb alwys w/drg
spells or drugs lst
age lst drank alcohol
12alc drns w/in 1yr
most# drinks past 12mo
ckpt-# drinks in F3
20/> drinks past 12mo
12-19drinks past 12mo
5-11 drinks past 12mo
1-4 drinks past 12mos
<table>
<thead>
<tr>
<th>Page</th>
<th>Code</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>466</td>
<td>V1809</td>
<td>f9</td>
<td>20drinks not affect fx</td>
</tr>
<tr>
<td>467</td>
<td>V1810</td>
<td>f10</td>
<td>evermore past 12mos</td>
</tr>
<tr>
<td>468</td>
<td>V1811</td>
<td>f10a</td>
<td>age strt past 12mos</td>
</tr>
<tr>
<td>469</td>
<td>V1812</td>
<td>f11</td>
<td>age strt drinkg most</td>
</tr>
<tr>
<td>470</td>
<td>V1813</td>
<td>f12</td>
<td>#20/&gt; drinks/dy-most</td>
</tr>
<tr>
<td>471</td>
<td>V1814</td>
<td>f13</td>
<td>12-19drinks/day-most</td>
</tr>
<tr>
<td>472</td>
<td>V1815</td>
<td>f14</td>
<td>5-11 drinks/day-mos</td>
</tr>
<tr>
<td>473</td>
<td>V1816</td>
<td>f15</td>
<td>1-4 drinks/day -most</td>
</tr>
<tr>
<td>474</td>
<td>V1817</td>
<td>g1</td>
<td>sedative on your own</td>
</tr>
<tr>
<td>475</td>
<td>V1818</td>
<td>g1g</td>
<td>sedative prescribed</td>
</tr>
<tr>
<td>476</td>
<td>V1819</td>
<td>g1h</td>
<td>dependnt use-sedativ</td>
</tr>
<tr>
<td>477</td>
<td>V1820</td>
<td>g1a</td>
<td>age sedativ nonmedcl</td>
</tr>
<tr>
<td>478</td>
<td>V1821</td>
<td>g1b</td>
<td>#times taken sedativ</td>
</tr>
<tr>
<td>479</td>
<td>V1822</td>
<td>g1d</td>
<td>lastx sedativ nonmed</td>
</tr>
<tr>
<td>480</td>
<td>V1823</td>
<td>g1e</td>
<td>freq sedatv past12mo</td>
</tr>
<tr>
<td>481</td>
<td>V1824</td>
<td>g1f</td>
<td>age last x sedative</td>
</tr>
<tr>
<td>482</td>
<td>V1825</td>
<td>g2</td>
<td>tranquilzr on your own</td>
</tr>
<tr>
<td>483</td>
<td>V1826</td>
<td>g2g</td>
<td>tranquilzr prescribd</td>
</tr>
<tr>
<td>484</td>
<td>V1827</td>
<td>g2h</td>
<td>depndt use-trançulzr</td>
</tr>
<tr>
<td>485</td>
<td>V1828</td>
<td>g2a</td>
<td>age tranquilzr nonmed</td>
</tr>
<tr>
<td>486</td>
<td>V1829</td>
<td>g2b</td>
<td>#time takn tranquiliz</td>
</tr>
<tr>
<td>487</td>
<td>V1830</td>
<td>g2d</td>
<td>lastx tranquil nonmed</td>
</tr>
<tr>
<td>488</td>
<td>V1831</td>
<td>g2e</td>
<td>freq tranql past12mo</td>
</tr>
<tr>
<td>489</td>
<td>V1832</td>
<td>g2f</td>
<td>age lastx tranquilzr</td>
</tr>
<tr>
<td>490</td>
<td>V1833</td>
<td>g3</td>
<td>stimulant on your own</td>
</tr>
<tr>
<td>491</td>
<td>V1834</td>
<td>g3g</td>
<td>stimulant prescribed</td>
</tr>
<tr>
<td>492</td>
<td>V1835</td>
<td>g3h</td>
<td>depndt use-stimultnt</td>
</tr>
<tr>
<td>493</td>
<td>V1836</td>
<td>g3a</td>
<td>age stimulant nonmed</td>
</tr>
<tr>
<td>494</td>
<td>V1837</td>
<td>g3b</td>
<td>#time stimult nonmd</td>
</tr>
<tr>
<td>495</td>
<td>V1838</td>
<td>g3d</td>
<td>lastx stimult nonmd</td>
</tr>
<tr>
<td>496</td>
<td>V1839</td>
<td>g3e</td>
<td>freq stimul past12mo</td>
</tr>
<tr>
<td>497</td>
<td>V1840</td>
<td>g3f</td>
<td>age last x stimulant</td>
</tr>
<tr>
<td>498</td>
<td>V1841</td>
<td>g4</td>
<td>analgesic on your own</td>
</tr>
<tr>
<td>499</td>
<td>V1842</td>
<td>g4g</td>
<td>analgesic prescribed</td>
</tr>
<tr>
<td>500</td>
<td>V1843</td>
<td>g4h</td>
<td>dependt use-analgesc</td>
</tr>
<tr>
<td>501</td>
<td>V1844</td>
<td>g4a</td>
<td>age analgesic nonmed</td>
</tr>
<tr>
<td>502</td>
<td>V1845</td>
<td>g4b</td>
<td>#time analges nonmed</td>
</tr>
<tr>
<td>503</td>
<td>V1846</td>
<td>g4d</td>
<td>lastx analges nonmed</td>
</tr>
<tr>
<td>504</td>
<td>V1847</td>
<td>g4e</td>
<td>freq analges pst12mo</td>
</tr>
<tr>
<td>505</td>
<td>V1848</td>
<td>g4f</td>
<td>age last x analgesic</td>
</tr>
<tr>
<td>506</td>
<td>V1901</td>
<td>g5</td>
<td>inhalants/sniff/hufffd</td>
</tr>
<tr>
<td>507</td>
<td>V1902</td>
<td>g5a</td>
<td>age lstx inhalant</td>
</tr>
<tr>
<td>508</td>
<td>V1903</td>
<td>g5b</td>
<td>#times used inhalant</td>
</tr>
<tr>
<td>509</td>
<td>V1904</td>
<td>g5d</td>
<td>last x used inhalant</td>
</tr>
<tr>
<td>510</td>
<td>V1905</td>
<td>g5e</td>
<td>freq inhaltnt pst12mo</td>
</tr>
<tr>
<td>511</td>
<td>V1906</td>
<td>g5f</td>
<td>age last x inhalant</td>
</tr>
<tr>
<td>512</td>
<td>V1907</td>
<td>g6</td>
<td>evr mariijuana/hashish</td>
</tr>
<tr>
<td>513</td>
<td>V1908</td>
<td>g6a</td>
<td>age lstx marijuana</td>
</tr>
<tr>
<td>514</td>
<td>V1909</td>
<td>g6b</td>
<td>#time used marijuana</td>
</tr>
<tr>
<td>515</td>
<td>V1910</td>
<td>g6d</td>
<td>lastx used marijuana</td>
</tr>
<tr>
<td>516</td>
<td>V1911</td>
<td>g6e</td>
<td>freq marijun pst12mo</td>
</tr>
<tr>
<td>517</td>
<td>V1912</td>
<td>g6f</td>
<td>age lastx marijuana</td>
</tr>
</tbody>
</table>
ever used cocaine
age lstx cocaine
#times used cocaine
last x used cocaine
def freq cocaine pst12mo
age last x cocaine
evr used hallucinogen
age lstx hallucnogen
#time used hallucgn
lastx used hallucgn
freq hallucgn 12mo
age lastx hallucogn
ever use heroin
age lstx used heroin
#times used heroin
last x used heroin
def freq heroin pst12mo
age lastx usd heroin
ckpt-1/>drugs circld
work/child care
alcohol during work
age alcohol at work
lastx alcohol at work
agelast alch1 atwrk
sedativ during work
age sedativ at work
lastx sedativ atwork
agelast sedtv atwrk
tranquilizer at work
age tranquil at work
lastx tranqu atwork
agelast tranq atwrk
stimulant at work
age stimulant atwork
lastx stimlt atwork
agelast stim atwork
analgescs at work
age analgesc atwork
lastx analgs atwork
agelast analg atwrk
 inhalants at work
age inhalant atwork
lastx inhalnt atwrk
agelast inhal atwrk
marijuana at work
age marijuana atwork
lastx mariju atwork
agelast marij atwrk
cocaine at work
age cocaine at work
lastx cocaine atwork
hallucinogn at work
age hallucgn atwork
lastx halluc atwork
agelast hallu atrwk
heroin at work
age heroin at work
lastx heroin atwork
agelast heroin-work
prohib.work/schol
alcohol prohib work
age alc prohib work
lastx alc stop work
agelst alc stopwork
sedativ prohib work
age sedtv stop work
lastx sedtv stopwrk
agelst sedv stopwrk
tranquilz stop work
age tranqu stopwork
lastx tranq stopwrk
agelst tranq stpwrk
stimulant stop work
age stimul stopwork
lastx stimu stopwrk
agelst stim stopwrk
analgesic stop work
age analges stopwrk
lastx analg stopwrk
agelst analg stpwrk
inhalant stop work
age inhaln stopwork
lastx inhal stopwrk
agelst inhal stpwrk
marijuana stop work
age mariju stopwork
lastx marij stopwrk
agelst marij stpwrk
cocaine stop work
age cocain stopwork
lastx cocain stpwrk
agelast cocain work
hallucinog work
age halluc stopwork
lastx halluc stpwrk
agelast halluc work
heroin stop work
age heroin stopwork
lastx heroin stpwrk
agelast heroin-work
probl family/work
alc prbl famly/work
age alc family/work
<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>622</td>
<td>V2204</td>
<td>g32c</td>
<td>last alc famly/work</td>
<td></td>
</tr>
<tr>
<td>623</td>
<td>V2205</td>
<td>g32d</td>
<td>agelst alc fmly/wrk</td>
<td></td>
</tr>
<tr>
<td>624</td>
<td>V2206</td>
<td>g32e</td>
<td>contin alc fmly/wrk</td>
<td></td>
</tr>
<tr>
<td>625</td>
<td>V2207</td>
<td>g32a</td>
<td>sedtv prb famly/wrk</td>
<td></td>
</tr>
<tr>
<td>626</td>
<td>V2208</td>
<td>g32b</td>
<td>age sedtv famly/wrk</td>
<td></td>
</tr>
<tr>
<td>627</td>
<td>V2209</td>
<td>g32c</td>
<td>lastx sedtv fam/wrk</td>
<td></td>
</tr>
<tr>
<td>628</td>
<td>V2210</td>
<td>g32d</td>
<td>agelst sedtv fam/wrk</td>
<td></td>
</tr>
<tr>
<td>629</td>
<td>V2211</td>
<td>g32e</td>
<td>cont sedtv fam/work</td>
<td></td>
</tr>
<tr>
<td>630</td>
<td>V2212</td>
<td>g32a</td>
<td>tranq prbl fam/work</td>
<td></td>
</tr>
<tr>
<td>631</td>
<td>V2213</td>
<td>g32b</td>
<td>age tranqu fam/work</td>
<td></td>
</tr>
<tr>
<td>632</td>
<td>V2214</td>
<td>g32c</td>
<td>lastx tranqu fam/wrk</td>
<td></td>
</tr>
<tr>
<td>633</td>
<td>V2215</td>
<td>g32d</td>
<td>agelst tranqu fam/wrk</td>
<td></td>
</tr>
<tr>
<td>634</td>
<td>V2216</td>
<td>g32e</td>
<td>cont tranqu fam/wrk</td>
<td></td>
</tr>
<tr>
<td>635</td>
<td>V2217</td>
<td>g32a</td>
<td>stimln prb fam/wrk</td>
<td></td>
</tr>
<tr>
<td>636</td>
<td>V2218</td>
<td>g32b</td>
<td>age stimuln fam/wrk</td>
<td></td>
</tr>
<tr>
<td>637</td>
<td>V2219</td>
<td>g32c</td>
<td>lastx stiml fam/wrk</td>
<td></td>
</tr>
<tr>
<td>638</td>
<td>V2220</td>
<td>g32d</td>
<td>agelst stim fam/wrk</td>
<td></td>
</tr>
<tr>
<td>639</td>
<td>V2221</td>
<td>g32e</td>
<td>cont stimul fam/wrk</td>
<td></td>
</tr>
<tr>
<td>640</td>
<td>V2222</td>
<td>g32a</td>
<td>anlgesc prb fam/wrk</td>
<td></td>
</tr>
<tr>
<td>641</td>
<td>V2223</td>
<td>g32b</td>
<td>age anlgesc fam/wrk</td>
<td></td>
</tr>
<tr>
<td>642</td>
<td>V2224</td>
<td>g32c</td>
<td>lastx anlgs fam/wrk</td>
<td></td>
</tr>
<tr>
<td>643</td>
<td>V2225</td>
<td>g32d</td>
<td>agelst anlg fam/wrk</td>
<td></td>
</tr>
<tr>
<td>644</td>
<td>V2226</td>
<td>g32e</td>
<td>cont anlgesc fam/wrk</td>
<td></td>
</tr>
<tr>
<td>645</td>
<td>V2227</td>
<td>g32a</td>
<td>inhalnt prb fam/wrk</td>
<td></td>
</tr>
<tr>
<td>646</td>
<td>V2228</td>
<td>g32b</td>
<td>age inhalnt fam/wrk</td>
<td></td>
</tr>
<tr>
<td>647</td>
<td>V2229</td>
<td>g32c</td>
<td>lastx inhal fam/wrk</td>
<td></td>
</tr>
<tr>
<td>648</td>
<td>V2230</td>
<td>g32d</td>
<td>agelst inhal fam/wk</td>
<td></td>
</tr>
<tr>
<td>649</td>
<td>V2231</td>
<td>g32e</td>
<td>cont inhaln fam/wrk</td>
<td></td>
</tr>
<tr>
<td>650</td>
<td>V2232</td>
<td>g32a</td>
<td>marij prbl fam/work</td>
<td></td>
</tr>
<tr>
<td>651</td>
<td>V2233</td>
<td>g32b</td>
<td>age mariju fam/work</td>
<td></td>
</tr>
<tr>
<td>652</td>
<td>V2234</td>
<td>g32c</td>
<td>lastx marij fam/wrk</td>
<td></td>
</tr>
<tr>
<td>653</td>
<td>V2235</td>
<td>g32d</td>
<td>agelst marij fam/wk</td>
<td></td>
</tr>
<tr>
<td>654</td>
<td>V2236</td>
<td>g32e</td>
<td>cont marijua fam/wk</td>
<td></td>
</tr>
<tr>
<td>655</td>
<td>V2237</td>
<td>g32a</td>
<td>coca in prbl fam/wrk</td>
<td></td>
</tr>
<tr>
<td>656</td>
<td>V2238</td>
<td>g32b</td>
<td>age cocaine fam/wrk</td>
<td></td>
</tr>
<tr>
<td>657</td>
<td>V2239</td>
<td>g32c</td>
<td>lastx coke fam/work</td>
<td></td>
</tr>
<tr>
<td>658</td>
<td>V2240</td>
<td>g32d</td>
<td>agelst coke fam/wrk</td>
<td></td>
</tr>
<tr>
<td>659</td>
<td>V2241</td>
<td>g32e</td>
<td>cont coca in fam/wrk</td>
<td></td>
</tr>
<tr>
<td>660</td>
<td>V2242</td>
<td>g32a</td>
<td>halluc gn prb fam/wk</td>
<td></td>
</tr>
<tr>
<td>661</td>
<td>V2243</td>
<td>g32b</td>
<td>age hallucng fam/wk</td>
<td></td>
</tr>
<tr>
<td>662</td>
<td>V2244</td>
<td>g32c</td>
<td>lastx halluc fam/wk</td>
<td></td>
</tr>
<tr>
<td>663</td>
<td>V2245</td>
<td>g32d</td>
<td>agelst halluc fam/wk</td>
<td></td>
</tr>
<tr>
<td>664</td>
<td>V2246</td>
<td>g32e</td>
<td>cont halluc fam/wrk</td>
<td></td>
</tr>
<tr>
<td>665</td>
<td>V2247</td>
<td>g32a</td>
<td>heroin prbl fam/wrk</td>
<td></td>
</tr>
<tr>
<td>666</td>
<td>V2248</td>
<td>g32b</td>
<td>age heroin fam/work</td>
<td></td>
</tr>
<tr>
<td>667</td>
<td>V2249</td>
<td>g32c</td>
<td>lastx heroin fam/wk</td>
<td></td>
</tr>
<tr>
<td>668</td>
<td>V2250</td>
<td>g32d</td>
<td>agelst heroin fam/wk</td>
<td></td>
</tr>
<tr>
<td>669</td>
<td>V2251</td>
<td>g32e</td>
<td>cont heroin fam/wrk</td>
<td></td>
</tr>
<tr>
<td>670</td>
<td>V2301</td>
<td>g14/33</td>
<td>expelled or fired</td>
<td></td>
</tr>
<tr>
<td>671</td>
<td>V2302</td>
<td>g33a</td>
<td>alcoh ol expel/dired</td>
<td></td>
</tr>
<tr>
<td>672</td>
<td>V2303</td>
<td>g33b</td>
<td>age alc expel/dired</td>
<td></td>
</tr>
<tr>
<td>673</td>
<td>V2304</td>
<td>g33c</td>
<td>lastx alcoh expel/dired</td>
<td></td>
</tr>
</tbody>
</table>

B-13
726  V2416  g34c  lastx stimultnt hurt
727  V2417  g34d  agelast stimln hurt
728  V2418  g34a  analgsc chance hurt
729  V2419  g34b  age analgesic hurt
730  V2420  g34c  lastx analgesc hurt
731  V2421  g34d  agelast anlgsc hurt
732  V2422  g34a  inhalnt chance hurt
733  V2423  g34b  age inhalant hurt
734  V2424  g34c  lastx inhalant hurt
735  V2425  g34d  agelast inhln hurt
736  V2426  g34a  marijua chance hurt
737  V2427  g34b  age marijuana hurt
738  V2428  g34c  lastx marijuan hurt
739  V2429  g34d  agelast mariju hurt
740  V2430  g34a  cocaine chance hurt
741  V2431  g34b  age cocaine hurt
742  V2432  g34c  last x cocaine hurt
743  V2433  g34d  agelast cocain hurt
744  V2434  g34a  hallucng chanc hurt
745  V2435  g34b  age hallucingn hurt
746  V2436  g34c  lastx hallucgn hurt
747  V2437  g34d  agelast halleg hurt
748  V2438  g34a  heroin chance hurt
749  V2439  g34b  age heroin hurt
750  V2440  g34c  last x heroin hurt
751  V2441  g34d  agelast heroin hurt
752  V2500  g16/35  accidently injure
753  V2501  g36  cont subst accedinjr
754  V2502  g36a  alc cont accedinjur
755  V2503  g36b  age alc cont injure
756  V2504  g36a  sedatv contin injur
757  V2505  g36b  age sedtv continjur
758  V2506  g36a  tranquil cont injure
759  V2507  g36b  age tranq continjur
760  V2508  g36a  stimuln cont injure
761  V2509  g36b  age stim cont injur
762  V2510  g36a  anlgesc cont injure
763  V2511  g36b  age anlgss continjur
764  V2512  g36a  inhalnt cont injure
765  V2513  g36b  age inhal continjur
766  V2514  g36a  marijua cont injure
767  V2515  g36b  age marij continjur
768  V2516  g36a  cocaine cont injure
769  V2517  g36b  age coke continjure
770  V2518  g36a  hallucng cont injur
771  V2519  g36b  age halluc continjur
772  V2520  g36a  heroin cont injure
773  V2521  g36b  age heroin continjr
774  V2601  g17/37  health problems
775  V2602  g37a  alc health problems
776  V2603  g37b  age alc health prbl
777  V2604  g37c  lastx alc hlth prbl

B-15
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>778</td>
<td>V2605 g37d</td>
</tr>
<tr>
<td>779</td>
<td>V2606 g37a</td>
</tr>
<tr>
<td>780</td>
<td>V2607 g37b</td>
</tr>
<tr>
<td>781</td>
<td>V2608 g37c</td>
</tr>
<tr>
<td>782</td>
<td>V2609 g37d</td>
</tr>
<tr>
<td>783</td>
<td>V2610 g37a</td>
</tr>
<tr>
<td>784</td>
<td>V2611 g37b</td>
</tr>
<tr>
<td>785</td>
<td>V2612 g37c</td>
</tr>
<tr>
<td>786</td>
<td>V2613 g37d</td>
</tr>
<tr>
<td>787</td>
<td>V2614 g37a</td>
</tr>
<tr>
<td>788</td>
<td>V2615 g37b</td>
</tr>
<tr>
<td>789</td>
<td>V2616 g37c</td>
</tr>
<tr>
<td>790</td>
<td>V2617 g37d</td>
</tr>
<tr>
<td>791</td>
<td>V2618 g37a</td>
</tr>
<tr>
<td>792</td>
<td>V2619 g37b</td>
</tr>
<tr>
<td>793</td>
<td>V2620 g37c</td>
</tr>
<tr>
<td>794</td>
<td>V2621 g37d</td>
</tr>
<tr>
<td>795</td>
<td>V2622 g37a</td>
</tr>
<tr>
<td>796</td>
<td>V2623 g37b</td>
</tr>
<tr>
<td>797</td>
<td>V2624 g37c</td>
</tr>
<tr>
<td>798</td>
<td>V2625 g37d</td>
</tr>
<tr>
<td>799</td>
<td>V2626 g37a</td>
</tr>
<tr>
<td>800</td>
<td>V2627 g37b</td>
</tr>
<tr>
<td>801</td>
<td>V2628 g37c</td>
</tr>
<tr>
<td>802</td>
<td>V2629 g37d</td>
</tr>
<tr>
<td>803</td>
<td>V2630 g37a</td>
</tr>
<tr>
<td>804</td>
<td>V2631 g37b</td>
</tr>
<tr>
<td>805</td>
<td>V2632 g37c</td>
</tr>
<tr>
<td>806</td>
<td>V2633 g37d</td>
</tr>
<tr>
<td>807</td>
<td>V2634 g37a</td>
</tr>
<tr>
<td>808</td>
<td>V2635 g37b</td>
</tr>
<tr>
<td>809</td>
<td>V2636 g37c</td>
</tr>
<tr>
<td>810</td>
<td>V2637 g37d</td>
</tr>
<tr>
<td>811</td>
<td>V2638 g37a</td>
</tr>
<tr>
<td>812</td>
<td>V2639 g37b</td>
</tr>
<tr>
<td>813</td>
<td>V2640 g37c</td>
</tr>
<tr>
<td>814</td>
<td>V2641 g37d</td>
</tr>
<tr>
<td>815</td>
<td>V2701 g18/38</td>
</tr>
<tr>
<td>816</td>
<td>V2702 g38a</td>
</tr>
<tr>
<td>817</td>
<td>V2703 g38b</td>
</tr>
<tr>
<td>818</td>
<td>V2704 g38c</td>
</tr>
<tr>
<td>819</td>
<td>V2705 g38d</td>
</tr>
<tr>
<td>820</td>
<td>V2706 g38a</td>
</tr>
<tr>
<td>821</td>
<td>V2707 g38b</td>
</tr>
<tr>
<td>822</td>
<td>V2708 g38c</td>
</tr>
<tr>
<td>823</td>
<td>V2709 g38d</td>
</tr>
<tr>
<td>824</td>
<td>V2710 g38a</td>
</tr>
<tr>
<td>825</td>
<td>V2711 g38b</td>
</tr>
<tr>
<td>826</td>
<td>V2712 g38c</td>
</tr>
<tr>
<td>827</td>
<td>V2713 g38d</td>
</tr>
<tr>
<td>828</td>
<td>V2714 g38a</td>
</tr>
<tr>
<td>829</td>
<td>V2715 g38b</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>830</td>
<td>V2716</td>
</tr>
<tr>
<td>831</td>
<td>V2717</td>
</tr>
<tr>
<td>832</td>
<td>V2718</td>
</tr>
<tr>
<td>833</td>
<td>V2719</td>
</tr>
<tr>
<td>834</td>
<td>V2720</td>
</tr>
<tr>
<td>835</td>
<td>V2721</td>
</tr>
<tr>
<td>836</td>
<td>V2722</td>
</tr>
<tr>
<td>837</td>
<td>V2723</td>
</tr>
<tr>
<td>838</td>
<td>V2724</td>
</tr>
<tr>
<td>839</td>
<td>V2725</td>
</tr>
<tr>
<td>840</td>
<td>V2726</td>
</tr>
<tr>
<td>841</td>
<td>V2727</td>
</tr>
<tr>
<td>842</td>
<td>V2728</td>
</tr>
<tr>
<td>843</td>
<td>V2729</td>
</tr>
<tr>
<td>844</td>
<td>V2730</td>
</tr>
<tr>
<td>845</td>
<td>V2731</td>
</tr>
<tr>
<td>846</td>
<td>V2732</td>
</tr>
<tr>
<td>847</td>
<td>V2733</td>
</tr>
<tr>
<td>848</td>
<td>V2734</td>
</tr>
<tr>
<td>849</td>
<td>V2735</td>
</tr>
<tr>
<td>850</td>
<td>V2736</td>
</tr>
<tr>
<td>851</td>
<td>V2737</td>
</tr>
<tr>
<td>852</td>
<td>V2738</td>
</tr>
<tr>
<td>853</td>
<td>V2739</td>
</tr>
<tr>
<td>854</td>
<td>V2740</td>
</tr>
<tr>
<td>855</td>
<td>V2741</td>
</tr>
<tr>
<td>856</td>
<td>V2801</td>
</tr>
<tr>
<td>857</td>
<td>V2802</td>
</tr>
<tr>
<td>858</td>
<td>V2803</td>
</tr>
<tr>
<td>859</td>
<td>V2804</td>
</tr>
<tr>
<td>860</td>
<td>V2805</td>
</tr>
<tr>
<td>861</td>
<td>V2806</td>
</tr>
<tr>
<td>862</td>
<td>V2807</td>
</tr>
<tr>
<td>863</td>
<td>V2808</td>
</tr>
<tr>
<td>864</td>
<td>V2809</td>
</tr>
<tr>
<td>865</td>
<td>V2810</td>
</tr>
<tr>
<td>866</td>
<td>V2811</td>
</tr>
<tr>
<td>867</td>
<td>V2812</td>
</tr>
<tr>
<td>868</td>
<td>V2813</td>
</tr>
<tr>
<td>869</td>
<td>V2814</td>
</tr>
<tr>
<td>870</td>
<td>V2815</td>
</tr>
<tr>
<td>871</td>
<td>V2816</td>
</tr>
<tr>
<td>872</td>
<td>V2817</td>
</tr>
<tr>
<td>873</td>
<td>V2818</td>
</tr>
<tr>
<td>874</td>
<td>V2819</td>
</tr>
<tr>
<td>875</td>
<td>V2820</td>
</tr>
<tr>
<td>876</td>
<td>V2821</td>
</tr>
<tr>
<td>877</td>
<td>V2822</td>
</tr>
<tr>
<td>878</td>
<td>V2823</td>
</tr>
<tr>
<td>879</td>
<td>V2824</td>
</tr>
<tr>
<td>880</td>
<td>V2825</td>
</tr>
<tr>
<td>881</td>
<td>V2826</td>
</tr>
<tr>
<td>Code</td>
<td>Code</td>
</tr>
<tr>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>V2827</td>
<td>g41b</td>
</tr>
<tr>
<td>V2828</td>
<td>g41c</td>
</tr>
<tr>
<td>V2829</td>
<td>g41d</td>
</tr>
<tr>
<td>V2830</td>
<td>g41a</td>
</tr>
<tr>
<td>V2831</td>
<td>g41b</td>
</tr>
<tr>
<td>V2832</td>
<td>g41c</td>
</tr>
<tr>
<td>V2833</td>
<td>g41d</td>
</tr>
<tr>
<td>V2834</td>
<td>g41a</td>
</tr>
<tr>
<td>V2835</td>
<td>g41b</td>
</tr>
<tr>
<td>V2836</td>
<td>g41c</td>
</tr>
<tr>
<td>V2837</td>
<td>g41d</td>
</tr>
<tr>
<td>V2838</td>
<td>g41a</td>
</tr>
<tr>
<td>V2839</td>
<td>g41b</td>
</tr>
<tr>
<td>V2840</td>
<td>g41c</td>
</tr>
<tr>
<td>V2841</td>
<td>g41d</td>
</tr>
<tr>
<td>V2901</td>
<td>g20/42</td>
</tr>
<tr>
<td>V2902</td>
<td>g42a</td>
</tr>
<tr>
<td>V2903</td>
<td>g42b</td>
</tr>
<tr>
<td>V2904</td>
<td>g42c</td>
</tr>
<tr>
<td>V2905</td>
<td>g42d</td>
</tr>
<tr>
<td>V2906</td>
<td>g42a</td>
</tr>
<tr>
<td>V2907</td>
<td>g42b</td>
</tr>
<tr>
<td>V2908</td>
<td>g42c</td>
</tr>
<tr>
<td>V2909</td>
<td>g42d</td>
</tr>
<tr>
<td>V2910</td>
<td>g42a</td>
</tr>
<tr>
<td>V2911</td>
<td>g42b</td>
</tr>
<tr>
<td>V2912</td>
<td>g42c</td>
</tr>
<tr>
<td>V2913</td>
<td>g42d</td>
</tr>
<tr>
<td>V2914</td>
<td>g42a</td>
</tr>
<tr>
<td>V2915</td>
<td>g42b</td>
</tr>
<tr>
<td>V2916</td>
<td>g42c</td>
</tr>
<tr>
<td>V2917</td>
<td>g42d</td>
</tr>
<tr>
<td>V2918</td>
<td>g42a</td>
</tr>
<tr>
<td>V2919</td>
<td>g42b</td>
</tr>
<tr>
<td>V2920</td>
<td>g42c</td>
</tr>
<tr>
<td>V2921</td>
<td>g42d</td>
</tr>
<tr>
<td>V2922</td>
<td>g42a</td>
</tr>
<tr>
<td>V2923</td>
<td>g42b</td>
</tr>
<tr>
<td>V2924</td>
<td>g42c</td>
</tr>
<tr>
<td>V2925</td>
<td>g42d</td>
</tr>
<tr>
<td>V2926</td>
<td>g42a</td>
</tr>
<tr>
<td>V2927</td>
<td>g42b</td>
</tr>
<tr>
<td>V2928</td>
<td>g42c</td>
</tr>
<tr>
<td>V2929</td>
<td>g42d</td>
</tr>
<tr>
<td>V2930</td>
<td>g42a</td>
</tr>
<tr>
<td>V2931</td>
<td>g42b</td>
</tr>
<tr>
<td>V2932</td>
<td>g42c</td>
</tr>
<tr>
<td>V2933</td>
<td>g42d</td>
</tr>
<tr>
<td>V2934</td>
<td>g42a</td>
</tr>
<tr>
<td>V2935</td>
<td>g42b</td>
</tr>
<tr>
<td>V2936</td>
<td>g42c</td>
</tr>
<tr>
<td>V2937</td>
<td>g42d</td>
</tr>
</tbody>
</table>
934  V2938  g42a  heroin not resist
935  V2939  g42b  age heroin desire
936  V2940  g42c  lastx heroin desire
937  V2941  g42d  agelast heroin desr
938  V2942  g20a  ckpt-alc only circl
939  V2943  g20b  "form type is ""2"
940  V3001  g21/43  regular drug use
941  V3002  g43a  alcohol regular use
942  V3003  g43b  age alc regular use
943  V3004  g43c  lastx alc reglr use
944  V3005  g43d  agelast alc reg.use
945  V3006  g43a  sedativ regular use
946  V3007  g43b  age sedtv regulruse
947  V3008  g43c  lastx sedtv reg.use
948  V3009  g43d  agelast sedtv reglr
949  V3010  g43a  tranquil regular use
950  V3011  g43b  age tranquol regulruse
951  V3012  g43c  lastx tranq reg.use
952  V3013  g43d  agelast tranq reglr
953  V3014  g43a  stimult regularuse
954  V3015  g43b  age stimlnt reg.use
955  V3016  g43c  lastx stiml reg.use
956  V3017  g43d  agelast stim regulr
957  V3018  g43a  anlgesic regulr use
958  V3019  g43b  age anlgsic reg.use
959  V3020  g43c  lastx anlgs reg.use
960  V3021  g43d  agelast anlgs reglr
961  V3022  g43a  inhalant regularuse
962  V3023  g43b  age inhalnt reg.use
963  V3024  g43c  lastx inhal reg.use
964  V3025  g43d  agelast inhal regul
965  V3026  g43a  marijuana regulruse
966  V3027  g43b  age marijua reg.use
967  V3028  g43c  lastx marij reg.use
968  V3029  g43d  agelast marij regul
969  V3030  g43a  cocaine regular use
970  V3031  g43b  age coke regulr use
971  V3032  g43c  lastx coke regular
972  V3033  g43d  agelast coke regulr
973  V3034  g43a  hallucgn regulr use
974  V3035  g43b  age hallucg reg.use
975  V3036  g43c  lastx halluc reglr
976  V3037  g43d  agelast halluc regl
977  V3038  g43a  heroin regular use
978  V3039  g43b  age heroin reglruse
979  V3040  g43c  lastx heroin regulr
980  V3041  g43d  agelast heroin regl
981  V3101  g22/44  unable cut down
982  V3102  g44a  alcohol not stop
983  V3103  g44b  age alcohl not stop
984  V3104  g44c  lastx alchl notstop
985  V3105  g44d  agelast alc notstop

B-19
<p>| 986  | V3106 | g44a | sedative not stop |
| 987  | V3107 | g44b | age sedatv not stop |
| 988  | V3108 | g44c | lastx sedtv notstop |
| 989  | V3109 | g44d | agelast sedtv nostp |
| 990  | V3110 | g44a | tranquilizr not stop |
| 991  | V3111 | g44b | age tranquil not stop |
| 992  | V3112 | g44c | lastx tranq notstop |
| 993  | V3113 | g44d | agelast tranq nostp |
| 994  | V3114 | g44a | stimulant not stop |
| 995  | V3115 | g44b | age stimlnt notstop |
| 996  | V3116 | g44c | lastx stiml notstop |
| 997  | V3117 | g44d | agelast stim nostop |
| 998  | V3118 | g44a | analgesic not stop |
| 999  | V3119 | g44b | age anlgesc notstop |
| 1000 | V3120 | g44c | lastx anlgsc nostop |
| 1001 | V3121 | g44d | agelast anlgs nostp |
| 1002 | V3122 | g44a | inhalant not stop |
| 1003 | V3123 | g44b | age inhalnt notstop |
| 1004 | V3124 | g44c | lastx inhla notstop |
| 1005 | V3125 | g44d | agelast inhal nostp |
| 1006 | V3126 | g44a | marijuana not stop |
| 1007 | V3127 | g44b | age mariju not stop |
| 1008 | V3128 | g44c | lastx marij nostop |
| 1009 | V3129 | g44d | agelast marij nostp |
| 1010 | V3130 | g44a | cocaine unable stop |
| 1011 | V3131 | g44b | age cocaine notstop |
| 1012 | V3132 | g44c | lastx cocain nostop |
| 1013 | V3133 | g44d | agelast coke nostop |
| 1014 | V3134 | g44a | hallucugen not stop |
| 1015 | V3135 | g44b | age halluc not stop |
| 1016 | V3136 | g44c | lastx halluc nostop |
| 1017 | V3137 | g44d | agelast halluc stop |
| 1018 | V3138 | g44a | heroin unable stop |
| 1019 | V3139 | g44b | age heroin not stop |
| 1020 | V3140 | g44c | lastx heroin nostop |
| 1021 | V3141 | g44d | agelast heroin stop |
| 1022 | V3201 | g24/46 | &gt;1mo use/effects |
| 1023 | V3202 | g46a | alc &gt;1mo use/effect |
| 1024 | V3203 | g46b | age alc &gt;1mo effect |
| 1025 | V3204 | g46c | lastx alc&gt;1mo effex |
| 1026 | V3205 | g46d | agelast alc&gt;1moefffx |
| 1027 | V3206 | g46a | sedatv &gt;1mo effect |
| 1028 | V3207 | g46b | age sedtv&gt;1mo effex |
| 1029 | V3208 | g46c | lastx sedtv&gt;1moefffx |
| 1030 | V3209 | g46d | agelast sedtv &gt;1mo |
| 1031 | V3210 | g46a | tranquil &gt;1mo effexs |
| 1032 | V3211 | g46b | age tranq &gt;1moeffexx |
| 1033 | V3212 | g46c | lastx tranq&gt;1mooffexx |
| 1034 | V3213 | g46d | agelast tranql &gt;1mo |
| 1035 | V3214 | g46a | stimulnt &gt;1mo effexx |
| 1036 | V3215 | g46b | age stimul&gt;1moeffexx |
| 1037 | V3216 | g46c | lastx stim&gt;1moeffexx |
| V3217 | g46d | agelast stimul &gt;1mo  |
| V3218 | g46a | anlgesic &gt;1mo effex  |
| V3219 | g46b | age anlgsc &gt;1mo effex |
| V3220 | g46c | lastx anlgs &gt;1mo effex |
| V3221 | g46d | agelast anlgsc &gt;1mo  |
| V3222 | g46a | inhalant &gt;1mo effex |
| V3223 | g46b | age inhal &gt;1mo effex |
| V3224 | g46c | lastx inhal &gt;1mo effex |
| V3225 | g46d | agelast inhalnt &gt;1mo |
| V3226 | g46a | marijuan &gt;1mo effex|
| V3227 | g46b | age mariju &gt;1mo effex |
| V3228 | g46c | lastx marij &gt;1mo effex |
| V3229 | g46d | agelast mariju &gt;1mo |
| V3230 | g46a | cocaine &gt;1mo effect |
| V3231 | g46b | age cocaine &gt;1mo effex |
| V3232 | g46c | lastx cocaine &gt;1mo effex |
| V3233 | g46d | agelast cocain &gt;1mo |
| V3234 | g46a | hallucgn &gt;1mo effex |
| V3235 | g46b | age halluc &gt;1mo effex |
| V3236 | g46c | lastx halluc &gt;1mo effex |
| V3237 | g46d | agelast halluc &gt;1mo |
| V3238 | g46a | heroin &gt;1mo efects |
| V3239 | g46b | age heroin &gt;1mo effex |
| V3240 | g46c | lastx heroin &gt;1mo effex |
| V3241 | g46d | agelast heroin &gt;1mo |
| V3301 | g25/47 | more/longer time |
| V3302 | g47a | alc more/longr time |
| V3303 | g47b | age alc more/longer |
| V3304 | g47c | lastx alc mor/longr |
| V3305 | g47d | agelast alc mr/longr |
| V3306 | g47a | sedativ more/longer |
| V3307 | g47b | age sedtv mor/longr |
| V3308 | g47c | lastx sedtv mr/longr |
| V3309 | g47d | agelast sedtv more |
| V3310 | g47a | tranquil more/longer |
| V3311 | g47b | age tranq mor/longr |
| V3312 | g47c | lastx tranq mr/long |
| V3313 | g47d | agelast tranq longr |
| V3314 | g47a | stimulin more/longr |
| V3315 | g47b | age stimul mor/long |
| V3316 | g47c | lastx stimul longer |
| V3317 | g47d | agelast stimul more |
| V3318 | g47a | anlgesc more/longer |
| V3319 | g47b | age anlgsc mor/long |
| V3320 | g47c | lastx anlgsc longer |
| V3321 | g47d | agelast anlgs longr |
| V3322 | g47a | inhalnt more/longer |
| V3323 | g47b | age inhalant longer |
| V3324 | g47c | lastx inhln longer |
| V3325 | g47d | agelast inhln more |
| V3326 | g47a | marijua more/longer |
| V3327 | g47b | age marij mor/longr |</p>
<table>
<thead>
<tr>
<th>Line</th>
<th>Code</th>
<th>Word(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1090</td>
<td>V3328</td>
<td>g47c</td>
</tr>
<tr>
<td>1091</td>
<td>V3329</td>
<td>g47d</td>
</tr>
<tr>
<td>1092</td>
<td>V3330</td>
<td>g47a</td>
</tr>
<tr>
<td>1093</td>
<td>V3331</td>
<td>g47b</td>
</tr>
<tr>
<td>1094</td>
<td>V3332</td>
<td>g47c</td>
</tr>
<tr>
<td>1095</td>
<td>V3333</td>
<td>g47d</td>
</tr>
<tr>
<td>1096</td>
<td>V3334</td>
<td>g47a</td>
</tr>
<tr>
<td>1097</td>
<td>V3335</td>
<td>g47b</td>
</tr>
<tr>
<td>1098</td>
<td>V3336</td>
<td>g47c</td>
</tr>
<tr>
<td>1099</td>
<td>V3337</td>
<td>g47d</td>
</tr>
<tr>
<td>1100</td>
<td>V3338</td>
<td>g47a</td>
</tr>
<tr>
<td>1101</td>
<td>V3339</td>
<td>g47b</td>
</tr>
<tr>
<td>1102</td>
<td>V3340</td>
<td>g47c</td>
</tr>
<tr>
<td>1103</td>
<td>V3341</td>
<td>g47d</td>
</tr>
<tr>
<td>1104</td>
<td>V3401</td>
<td>g26/48</td>
</tr>
<tr>
<td>1105</td>
<td>V3402</td>
<td>g48a</td>
</tr>
<tr>
<td>1106</td>
<td>V3403</td>
<td>g48b</td>
</tr>
<tr>
<td>1107</td>
<td>V3404</td>
<td>g48c</td>
</tr>
<tr>
<td>1108</td>
<td>V3405</td>
<td>g48d</td>
</tr>
<tr>
<td>1109</td>
<td>V3406</td>
<td>g48a</td>
</tr>
<tr>
<td>1110</td>
<td>V3407</td>
<td>g48b</td>
</tr>
<tr>
<td>1111</td>
<td>V3408</td>
<td>g48c</td>
</tr>
<tr>
<td>1112</td>
<td>V3409</td>
<td>g48d</td>
</tr>
<tr>
<td>1113</td>
<td>V3410</td>
<td>g48a</td>
</tr>
<tr>
<td>1114</td>
<td>V3411</td>
<td>g48b</td>
</tr>
<tr>
<td>1115</td>
<td>V3412</td>
<td>g48c</td>
</tr>
<tr>
<td>1116</td>
<td>V3413</td>
<td>g48d</td>
</tr>
<tr>
<td>1117</td>
<td>V3414</td>
<td>g48a</td>
</tr>
<tr>
<td>1118</td>
<td>V3415</td>
<td>g48b</td>
</tr>
<tr>
<td>1119</td>
<td>V3416</td>
<td>g48c</td>
</tr>
<tr>
<td>1120</td>
<td>V3417</td>
<td>g48d</td>
</tr>
<tr>
<td>1121</td>
<td>V3418</td>
<td>g48a</td>
</tr>
<tr>
<td>1122</td>
<td>V3419</td>
<td>g48b</td>
</tr>
<tr>
<td>1123</td>
<td>V3420</td>
<td>g48c</td>
</tr>
<tr>
<td>1124</td>
<td>V3421</td>
<td>g48d</td>
</tr>
<tr>
<td>1125</td>
<td>V3422</td>
<td>g48a</td>
</tr>
<tr>
<td>1126</td>
<td>V3423</td>
<td>g48b</td>
</tr>
<tr>
<td>1127</td>
<td>V3424</td>
<td>g48c</td>
</tr>
<tr>
<td>1128</td>
<td>V3425</td>
<td>g48d</td>
</tr>
<tr>
<td>1129</td>
<td>V3426</td>
<td>g48a</td>
</tr>
<tr>
<td>1130</td>
<td>V3427</td>
<td>g48b</td>
</tr>
<tr>
<td>1131</td>
<td>V3428</td>
<td>g48c</td>
</tr>
<tr>
<td>1132</td>
<td>V3429</td>
<td>g48d</td>
</tr>
<tr>
<td>1133</td>
<td>V3430</td>
<td>g48a</td>
</tr>
<tr>
<td>1134</td>
<td>V3431</td>
<td>g48b</td>
</tr>
<tr>
<td>1135</td>
<td>V3432</td>
<td>g48c</td>
</tr>
<tr>
<td>1136</td>
<td>V3433</td>
<td>g48d</td>
</tr>
<tr>
<td>1137</td>
<td>V3434</td>
<td>g48a</td>
</tr>
<tr>
<td>1138</td>
<td>V3435</td>
<td>g48b</td>
</tr>
<tr>
<td>1139</td>
<td>V3436</td>
<td>g48c</td>
</tr>
<tr>
<td>1140</td>
<td>V3437</td>
<td>g48d</td>
</tr>
<tr>
<td>1141</td>
<td>V3438</td>
<td>g48a</td>
</tr>
</tbody>
</table>

lastx mariju longer
agelast mariju more
cocaine more/longer
age cocaine longer
lastx cocaine longr
agelast coke longer
hallucgn more/longr
age hallucng longer
lastx halluc longer
agelast halluc more
heroin more/longer
age heroin longer
lastx heroin longer
agelast heroin more
intoxicatd/high
alc intoxicatd/high
age alc intoxicated
lastx alc intoxicated
agelast alc intoxic
sedative intoxicatd
age sedtv intoxicated
lastx sedtv intoxicc
agelast sedtv intox
tranquil intoxicated
age tranq intoxicated
lastx tranq intoxic
agelast tranq intox
stimulnt intoxicated
age stimuln intoxicc
lastx stimul intoxicc
agelast stiml intox
anlgesc intoxicated
age anlgsc intoxict
lastx anlgsc intoxc
agelast anlgs intox
inhalant intoxicated
age inhalnt intoxic
lastx inhalnt intoxc
agelast inhal intox
marijuana intoxicated
age marijua intoxic
lastx marij intoxic
agelast marij intox
cocaine intoxicaded
age cocaine intoxic
lastx cocaine intoxc
agelast coke intoxc
hallucingn intoxict
age hallucg intoxic
lastx halluc intoxc
agelast halluc intx
heroin intoxicated
age heroin intoxict
lastx heroin int0x
agelast heroin intx
more-same effect
alc more-same effex
age alc more 4 same
lastx alc more-same
agelast alc more-sm
sedtv more-sameeffx
age sedtv more-same
lastx sedtv more-sm
agelast sedtv-more
tranq more-sameeffx
age tranq more-same
lastx tranq more-sm
agelast tranq more
stiml more-sameeffx
age stiml more-same
lastx stim more-sam
agelast stimul more
anlgs more-sameeffx
age anlgs more-same
lastx anlg more-sam
agelast anlgsc more
inhal more-sameeffx
age inhal more-same
lastx inhal more-sm
agelast inhaln more
marij more-sameeffx
age marij more-same
lastx marij more-sm
agelast mariju more
cocain more-sameffx
age cocain more-sam
lastx cocaine more
agelast cocaine more
halluc more-sameffx
age halluc more-sam
lastx hallucgn more
agelast halluc more
heroin more-sameffx
age heroin more-sam
lastx heroin more
stop-cause illsnes
alc stop caus ills
age alc caus ills
lastx alc caus illn
agelast alc illness
sedtv cause illness
age sedtv caus illn
lastx sedtv illness
g50d ageless tranq illns
g50a tranq cause illness
g50b age tranq caus illn
g50c lastx tranq illness
g50d ageless tranq illness

1200 V3615 g50a stimul caus illness
1201 V3616 g50b age stimul caus ill
1202 V3617 g50c lastx stimul illnes
1203 V3618 g50d age lastx stimul illn
1204 V3619 g50a anlgsc caus illness
1205 V3620 g50b age anlgs caus illn
1206 V3621 g50c lastx anlgs caus il
1207 V3622 g50d age anlgsc caus illn
1208 V3623 g50a inhalnt caus illnes
1209 V3624 g50b age inhal caus illn
1210 V3625 g50c lastx inhal causill
1211 V3626 g50d age lastx inhal illns
1212 V3627 g50a mariju caus illness
1213 V3628 g50b age marij caus illn
1214 V3629 g50c lastx marij causill
1215 V3630 g50d age lastx marij illns
1216 V3631 g50a cocain caus illness
1217 V3632 g50b age coke caus illns
1218 V3633 g50c lastx coke caus ill
1219 V3634 g50d age lastx coke illnes
1220 V3635 g50a halluc caus illness
1221 V3636 g50b age halluc caus ill
1222 V3637 g50c lastx halluc illnes
1223 V3638 g50d age lastx halluc illn
1224 V3639 g50a heroin causd illnes
1225 V3640 g50b age heroin caus ill
1226 V3641 g50c lastx heroin illnes
1227 V3642 g50d age lastx heroin illn
1228 V3643 g51 w/drawal sxs go away
1229 V3644 g51a alcoh w/drawal sxs
1230 V3645 g51b sedtiv w/drawal sxs
1231 V3646 g51a tranqu w/drawal sxs
1232 V3647 g51a stimul w/drawal sxs
1233 V3648 g51a anlgsc w/drawal sxs
1234 V3649 g51a inhaln w/drawal sxs
1235 V3650 g51a mariju w/drawal sxs
1236 V3651 g51a cocain w/drawal sxs
1237 V3652 g51a halluc w/drawal sxs
1238 V3701 g51a heroin w/drawal sxs
1239 V3702 g52a reduced activities
1240 V3703 g52b alc reduced activits
1241 V3704 g52c age alc reduc activ
1242 V3705 g52d lastx alc reduc act
1243 V3706 g52a age lastx alc reduced
1244 V3707 g52b sedtv reduc activit
1245 V3708 g52c age sedtv reduc act
1246 V3709 lastx sedtv reduced

B-24
<table>
<thead>
<tr>
<th>Page</th>
<th>Code</th>
<th>Code</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1246</td>
<td>V3709</td>
<td>g52d</td>
<td>agelast sedtv reduc</td>
</tr>
<tr>
<td>1247</td>
<td>V3710</td>
<td>g52a</td>
<td>tranq reduc activit</td>
</tr>
<tr>
<td>1248</td>
<td>V3711</td>
<td>g52b</td>
<td>age tranq reduc act</td>
</tr>
<tr>
<td>1249</td>
<td>V3712</td>
<td>g52c</td>
<td>lastx tranq reduced</td>
</tr>
<tr>
<td>1250</td>
<td>V3713</td>
<td>g52d</td>
<td>agelast tranq reduc</td>
</tr>
<tr>
<td>1251</td>
<td>V3714</td>
<td>g52a</td>
<td>stimul reduc activs</td>
</tr>
<tr>
<td>1252</td>
<td>V3715</td>
<td>g52b</td>
<td>age stim reduc acts</td>
</tr>
<tr>
<td>1253</td>
<td>V3716</td>
<td>g52c</td>
<td>lastx stim reducd</td>
</tr>
<tr>
<td>1254</td>
<td>V3717</td>
<td>g52d</td>
<td>agelast stim reducd</td>
</tr>
<tr>
<td>1255</td>
<td>V3718</td>
<td>g52a</td>
<td>anlgsc reduc activs</td>
</tr>
<tr>
<td>1256</td>
<td>V3719</td>
<td>g52b</td>
<td>age anlgs reduc act</td>
</tr>
<tr>
<td>1257</td>
<td>V3720</td>
<td>g52c</td>
<td>lastx anlg reducact</td>
</tr>
<tr>
<td>1258</td>
<td>V3721</td>
<td>g52d</td>
<td>agelast anlgs reduc</td>
</tr>
<tr>
<td>1259</td>
<td>V3722</td>
<td>g52a</td>
<td>inhral reduc activit</td>
</tr>
<tr>
<td>1260</td>
<td>V3723</td>
<td>g52b</td>
<td>age inhral reduc act</td>
</tr>
<tr>
<td>1261</td>
<td>V3724</td>
<td>g52c</td>
<td>lastx inhalt reduc</td>
</tr>
<tr>
<td>1262</td>
<td>V3725</td>
<td>g52d</td>
<td>agelast inhral reduc</td>
</tr>
<tr>
<td>1263</td>
<td>V3726</td>
<td>g52a</td>
<td>mariju reduc activs</td>
</tr>
<tr>
<td>1264</td>
<td>V3727</td>
<td>g52b</td>
<td>age marij reduc act</td>
</tr>
<tr>
<td>1265</td>
<td>V3728</td>
<td>g52c</td>
<td>lastx marijua reduc</td>
</tr>
<tr>
<td>1266</td>
<td>V3729</td>
<td>g52d</td>
<td>agelast marij reduc</td>
</tr>
<tr>
<td>1267</td>
<td>V3730</td>
<td>g52a</td>
<td>cocain reduc activs</td>
</tr>
<tr>
<td>1268</td>
<td>V3731</td>
<td>g52b</td>
<td>age coke reduc acts</td>
</tr>
<tr>
<td>1269</td>
<td>V3732</td>
<td>g52c</td>
<td>lastx coke reducact</td>
</tr>
<tr>
<td>1270</td>
<td>V3733</td>
<td>g52d</td>
<td>agelast coke reducd</td>
</tr>
<tr>
<td>1271</td>
<td>V3734</td>
<td>g52a</td>
<td>halluc reduc activs</td>
</tr>
<tr>
<td>1272</td>
<td>V3735</td>
<td>g52b</td>
<td>age halluc reducact</td>
</tr>
<tr>
<td>1273</td>
<td>V3736</td>
<td>g52c</td>
<td>lastx halluc reduc</td>
</tr>
<tr>
<td>1274</td>
<td>V3737</td>
<td>g52d</td>
<td>agelast halluc redu</td>
</tr>
<tr>
<td>1275</td>
<td>V3738</td>
<td>g52a</td>
<td>heroin reduc activs</td>
</tr>
<tr>
<td>1276</td>
<td>V3739</td>
<td>g52b</td>
<td>age heroin reducact</td>
</tr>
<tr>
<td>1277</td>
<td>V3740</td>
<td>g52c</td>
<td>lastx heroin reduc</td>
</tr>
<tr>
<td>1278</td>
<td>V3741</td>
<td>g52d</td>
<td>agelast heroin redu</td>
</tr>
<tr>
<td>1279</td>
<td>V3742</td>
<td>g53</td>
<td>tell dr subst abuse</td>
</tr>
<tr>
<td>1280</td>
<td>V3743</td>
<td>g53a</td>
<td>age 1st told doctor</td>
</tr>
<tr>
<td>1281</td>
<td>V3744</td>
<td>g54</td>
<td>dr prescrb mediction</td>
</tr>
<tr>
<td>1282</td>
<td>V3745</td>
<td>g54a</td>
<td>age 1st prescrption</td>
</tr>
<tr>
<td>1283</td>
<td>V3746</td>
<td>g55</td>
<td>dr advise m.h.profs1</td>
</tr>
<tr>
<td>1284</td>
<td>V3747</td>
<td>g55a</td>
<td>age 1st advis mhpref</td>
</tr>
<tr>
<td>1285</td>
<td>V3748</td>
<td>g56</td>
<td>refer treatment prog</td>
</tr>
<tr>
<td>1286</td>
<td>V3749</td>
<td>g56a</td>
<td>age treatment progr</td>
</tr>
<tr>
<td>1287</td>
<td>V3750</td>
<td>g57</td>
<td>meds &gt;1x 4 substabas</td>
</tr>
<tr>
<td>1288</td>
<td>V3751</td>
<td>g57a</td>
<td>age med&gt;1 substabas</td>
</tr>
<tr>
<td>1289</td>
<td>V3752</td>
<td>g58</td>
<td>see m.h.profs substanc</td>
</tr>
<tr>
<td>1290</td>
<td>V3753</td>
<td>g58a</td>
<td>age saw m.h. profs1</td>
</tr>
<tr>
<td>1291</td>
<td>V3754</td>
<td>g59</td>
<td>see other professn</td>
</tr>
<tr>
<td>1292</td>
<td>V3755</td>
<td>g59a</td>
<td>age saw other profs</td>
</tr>
<tr>
<td>1293</td>
<td>V3756</td>
<td>g60</td>
<td>self-help group</td>
</tr>
<tr>
<td>1294</td>
<td>V3757</td>
<td>g60a</td>
<td>age self-help group</td>
</tr>
<tr>
<td>1295</td>
<td>V3803</td>
<td>none</td>
<td>sum of v3801 (h6)</td>
</tr>
<tr>
<td>1296</td>
<td>V3804</td>
<td>h15</td>
<td>ckpt-H14 sum on rowC</td>
</tr>
<tr>
<td>1297</td>
<td>V3805</td>
<td>h16</td>
<td>behavr fr alch/drugs</td>
</tr>
</tbody>
</table>
bhvr alwys alc/drug  
#yes bottom of sheet  
behavfr alc/drugs  
bhvr alwys alc/drug  
ckpt-E29 box checked  
behavrs evr w/mania  
bhvr alwys w/drugs  
spying/following R  
K14a exe realistic  
poison/hurt R  
K15a exe realistic  
reading R's mind  
knew thought/guessd  
K16b exe realistic  
hear R's thoughts  
K17a exe realistic  
hear othr's thought  
K18a exe realistic  
controlld by force  
K19a exe realistic  
othr stole thought  
K20a exe realistic  
special messg/tv  
K21a exe realistic  
hypnotz/magic/forc  
K22a exe realistic  
saw visions  
K23a exe realistic  
heard noise/voice  
hear voice > few min  
K24a exe realistic  
voice mentioned K24a  
hear voic othr didnt  
herd voice from body  
voic commentd action  
heard 2 or > voices  
voices discussing R  
conversation w/voices  
see vision w/voices  
smells/body odors  
K33a exe realistic  
feelng in/on body  
expr alwys w/anxiet  
anxiety/exprnc 1st  
aknxiety/expr awaylst  
d40/d81 chk ref card  
e29 checkd ref card  
e29 checkd ref card  
feelng/experienc 1st  
feelng samex expernc  
feel/expr samex 2wk  
feelng/expr awaylst
<table>
<thead>
<tr>
<th>Code</th>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>V4341</td>
<td>exp w/out feel 2wks</td>
</tr>
<tr>
<td>V4503</td>
<td>excl reln lastd lyr/&gt;</td>
</tr>
<tr>
<td>V4504</td>
<td>#time living together</td>
</tr>
<tr>
<td>V4505</td>
<td>timeunit livng togeth</td>
</tr>
<tr>
<td>V4506</td>
<td>satisfactn w/relatnsp</td>
</tr>
<tr>
<td>V4507</td>
<td>#times married lifetm</td>
</tr>
<tr>
<td>V4508</td>
<td>#marr divrc/annulmt</td>
</tr>
<tr>
<td>V4509</td>
<td>year lst time married</td>
</tr>
<tr>
<td>V4510</td>
<td>month lstx married</td>
</tr>
<tr>
<td>V4511</td>
<td>#length knw lstspouse</td>
</tr>
<tr>
<td>V4512</td>
<td>timeunit knw lstspouse</td>
</tr>
<tr>
<td>V4513</td>
<td>rellyr/&gt; b4 lstspouse</td>
</tr>
<tr>
<td>V4514</td>
<td>r married only once</td>
</tr>
<tr>
<td>V4515</td>
<td>yr 1st marriage status</td>
</tr>
<tr>
<td>V4516</td>
<td>yr 1st marriag ended</td>
</tr>
<tr>
<td>V4517</td>
<td>mo lst marrge ended</td>
</tr>
<tr>
<td>V4518</td>
<td>1st marri-divrc/widw</td>
</tr>
<tr>
<td>V4519</td>
<td>excl lyr/&gt; rel since</td>
</tr>
<tr>
<td>V4520</td>
<td>R marital status</td>
</tr>
<tr>
<td>V4521</td>
<td>yr married spouse now</td>
</tr>
<tr>
<td>V4522</td>
<td>mo married spouse now</td>
</tr>
<tr>
<td>V4523</td>
<td>marital satisfaction</td>
</tr>
<tr>
<td>V4524</td>
<td>yr separatd recently</td>
</tr>
<tr>
<td>V4525</td>
<td>mo separatd recently</td>
</tr>
<tr>
<td>V4526</td>
<td>who decided separate</td>
</tr>
<tr>
<td>V4527</td>
<td>yr divorce official</td>
</tr>
<tr>
<td>V4528</td>
<td>mo divorce official</td>
</tr>
<tr>
<td>V4628</td>
<td>excl rel lastd lyr/&gt;</td>
</tr>
<tr>
<td>V6101</td>
<td>#1 war combat experien</td>
</tr>
<tr>
<td>V6102</td>
<td>#2 lifethreatning accidn</td>
</tr>
<tr>
<td>V6103</td>
<td>age 1st threat accid</td>
</tr>
<tr>
<td>V6104</td>
<td>#3 fire/flood/nataccid</td>
</tr>
<tr>
<td>V6105</td>
<td>age 1st fire/flood</td>
</tr>
<tr>
<td>V6106</td>
<td>fire/flood past 12mo</td>
</tr>
<tr>
<td>V6107</td>
<td>mo recent fire/flood</td>
</tr>
<tr>
<td>V6108</td>
<td>yr recent fire/flood</td>
</tr>
<tr>
<td>V6109</td>
<td>#4 saw injury/killing</td>
</tr>
<tr>
<td>V6110</td>
<td>age 1st saw injur/kil</td>
</tr>
<tr>
<td>V6111</td>
<td>saw injur/kill 12mo</td>
</tr>
<tr>
<td>V6112</td>
<td>mo recent injur/kill</td>
</tr>
<tr>
<td>V6113</td>
<td>yr recent injur/kill</td>
</tr>
<tr>
<td>V6114</td>
<td>#5 raped</td>
</tr>
<tr>
<td>V6115</td>
<td>age 1st rape</td>
</tr>
<tr>
<td>V6116</td>
<td>rape in past 12month</td>
</tr>
<tr>
<td>V6117</td>
<td>mo most recent rape</td>
</tr>
<tr>
<td>V6118</td>
<td>yr most recent rape</td>
</tr>
<tr>
<td>V6119</td>
<td>rape isolatd/repeatd</td>
</tr>
<tr>
<td>V6120</td>
<td>#how long rape contin</td>
</tr>
<tr>
<td>V6121</td>
<td>timeunit rape contin</td>
</tr>
<tr>
<td>V6122</td>
<td>a. Relative raped R</td>
</tr>
<tr>
<td>V6123</td>
<td>b. Step-relatv rappedr</td>
</tr>
<tr>
<td>V6124</td>
<td>c. Someone else R knew</td>
</tr>
</tbody>
</table>
d. Stranger raped R

#6 sexually molested

age 1st sex molested

sex molestd past 12mo

mo recent sex molest

yr recent sex molest

molest isolat/repeat

#howlong molest cont

timeunit molest cont

a. Relative molestd R

b. Stepprelatv molest

c. Someone else R knew

d. Stranger molestd R

#7 phys attak/assault

age 1st phys assault

assault past 12 mont

mo recent assaulted

yr recent assaulted

#8 phys abuse as child

#9 neglected as child

#10 captV/kidnap/weap

age 1st kidnap/capt

othr terrible expernc

#1terrible experinc

#2terrible experinc

age 1stterribl exper

othr terribl expern

#1terrible experien

#2terrible experien

age exper 1stoccurred

#12shock exper other

# of worst event

#1 person event

#2 person event

age learnt of event

work variable

only 1 yes box ul-12

most upsetting exper

kept remembrng event

dream/nightmar event

felt event occuring

upset w/situ reminder

1/> yes box ul6-19

no longer love/warm

avoid reminder situat

try not to thinkofit

memory blank ofevent

feel isolatd/distant

no point think futur

lose interst inthing

work variable

3/> yes box u21-u27
<table>
<thead>
<tr>
<th>Time</th>
<th>Code</th>
<th>U/T</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1454</td>
<td>V6231</td>
<td>u29</td>
<td>trouble concentrating</td>
</tr>
<tr>
<td>1455</td>
<td>V6232</td>
<td>u30</td>
<td>irritable/lose temper</td>
</tr>
<tr>
<td>1456</td>
<td>V6233</td>
<td>u31</td>
<td>trouble sleeping</td>
</tr>
<tr>
<td>1457</td>
<td>V6234</td>
<td>u32</td>
<td>overly careful</td>
</tr>
<tr>
<td>1458</td>
<td>V6235</td>
<td>u33</td>
<td>jumpy/easily startled</td>
</tr>
<tr>
<td>1459</td>
<td>V6236</td>
<td>u34</td>
<td>sweat/heart beatfast</td>
</tr>
<tr>
<td>1460</td>
<td>V6237</td>
<td>none</td>
<td>work variable</td>
</tr>
<tr>
<td>1461</td>
<td>V6238</td>
<td>u35</td>
<td>2/-&gt; yes box u29-u34</td>
</tr>
<tr>
<td>1462</td>
<td>V6239</td>
<td>u36</td>
<td>#day rxns aftr exper</td>
</tr>
<tr>
<td>1463</td>
<td>V6240</td>
<td>u36</td>
<td>timeunit rxns after</td>
</tr>
<tr>
<td>1464</td>
<td>V6241</td>
<td>u37</td>
<td>#day cont reactions</td>
</tr>
<tr>
<td>1465</td>
<td>V6242</td>
<td>u37</td>
<td>timeunit cont reactn</td>
</tr>
<tr>
<td>1466</td>
<td>V6243</td>
<td>u38</td>
<td>last had reactions</td>
</tr>
<tr>
<td>1467</td>
<td>V7301</td>
<td>e35</td>
<td>anything cause mania</td>
</tr>
<tr>
<td>1468</td>
<td>V7302</td>
<td>e36.01</td>
<td>#period during spell</td>
</tr>
<tr>
<td>1469</td>
<td>V7303</td>
<td>e36.02</td>
<td>#2period during spell</td>
</tr>
<tr>
<td>1470</td>
<td>V7304</td>
<td>e36.03</td>
<td>#3period during spell</td>
</tr>
<tr>
<td>1471</td>
<td>V7305</td>
<td>e36.04</td>
<td>#4period during spell</td>
</tr>
<tr>
<td>1472</td>
<td>V7306</td>
<td>e36.05</td>
<td>#5period during spell</td>
</tr>
<tr>
<td>1473</td>
<td>V7307</td>
<td>e36.06</td>
<td>#6period during spell</td>
</tr>
<tr>
<td>1474</td>
<td>V7308</td>
<td>e36.07</td>
<td>#7period during spell</td>
</tr>
<tr>
<td>1475</td>
<td>V7309</td>
<td>e36.08</td>
<td>#8period during spell</td>
</tr>
<tr>
<td>1476</td>
<td>V7310</td>
<td>e36.09</td>
<td>#9period during spell</td>
</tr>
<tr>
<td>1477</td>
<td>V7311</td>
<td>e37</td>
<td>due to meds/drug/alc</td>
</tr>
<tr>
<td>1478</td>
<td>V7312</td>
<td>e37a.01</td>
<td>#1period by drg/alc</td>
</tr>
<tr>
<td>1479</td>
<td>V7313</td>
<td>e37a.02</td>
<td>#2period by drg/alc</td>
</tr>
<tr>
<td>1480</td>
<td>V7314</td>
<td>e37a.03</td>
<td>#3period by drg/alc</td>
</tr>
<tr>
<td>1481</td>
<td>V7315</td>
<td>e37a.04</td>
<td>#4period by drg/alc</td>
</tr>
<tr>
<td>1482</td>
<td>V7316</td>
<td>e37a.05</td>
<td>#5period by drg/alc</td>
</tr>
<tr>
<td>1483</td>
<td>V7317</td>
<td>e37a.06</td>
<td>#6period by drg/alc</td>
</tr>
<tr>
<td>1484</td>
<td>V7318</td>
<td>e37a.07</td>
<td>#7period by drg/alc</td>
</tr>
<tr>
<td>1485</td>
<td>V7319</td>
<td>e37a.08</td>
<td>#8period by drg/alc</td>
</tr>
<tr>
<td>1486</td>
<td>V7320</td>
<td>e37a.09</td>
<td>#9period by drg/alc</td>
</tr>
<tr>
<td>1487</td>
<td>V7403</td>
<td>cc1</td>
<td>use a.Cgt daily/mo+</td>
</tr>
<tr>
<td>1488</td>
<td>V7404</td>
<td>cc2</td>
<td>age fst rg use a.Cgt</td>
</tr>
<tr>
<td>1489</td>
<td>V7405</td>
<td>cc3</td>
<td>#/da most use a.Cgt</td>
</tr>
<tr>
<td>1490</td>
<td>V7406</td>
<td>cc4</td>
<td>last reg use a.Cgt</td>
</tr>
<tr>
<td>1491</td>
<td>V7407</td>
<td>cc5</td>
<td>age last reg a.Cgt</td>
</tr>
<tr>
<td>1492</td>
<td>V7408</td>
<td>cc1</td>
<td>use b.Cgr daily/mo+</td>
</tr>
<tr>
<td>1493</td>
<td>V7409</td>
<td>cc2</td>
<td>age fst rg use b.Cgr</td>
</tr>
<tr>
<td>1494</td>
<td>V7410</td>
<td>cc3</td>
<td>#/da most use b.Cgr</td>
</tr>
<tr>
<td>1495</td>
<td>V7411</td>
<td>cc4</td>
<td>last reg use b.Cgr</td>
</tr>
<tr>
<td>1496</td>
<td>V7412</td>
<td>cc5</td>
<td>age last reg b.Cgr</td>
</tr>
<tr>
<td>1497</td>
<td>V7413</td>
<td>cc1</td>
<td>use c.Pip daily/mo+</td>
</tr>
<tr>
<td>1498</td>
<td>V7414</td>
<td>cc2</td>
<td>age fst rg use c.Pip</td>
</tr>
<tr>
<td>1499</td>
<td>V7415</td>
<td>cc3</td>
<td>#/da most use c.Pip</td>
</tr>
<tr>
<td>1500</td>
<td>V7416</td>
<td>cc4</td>
<td>last reg use c.Pip</td>
</tr>
<tr>
<td>1501</td>
<td>V7417</td>
<td>cc5</td>
<td>age last reg c.Pip</td>
</tr>
<tr>
<td>1502</td>
<td>V7418</td>
<td>cc1</td>
<td>use d.Chw daily/mo+</td>
</tr>
<tr>
<td>1503</td>
<td>V7419</td>
<td>cc2</td>
<td>age fst rg use d.Chw</td>
</tr>
<tr>
<td>1504</td>
<td>V7420</td>
<td>cc3</td>
<td>#/da most use d.Chw</td>
</tr>
<tr>
<td>1505</td>
<td>V7421</td>
<td>cc4</td>
<td>last reg use d.Chw</td>
</tr>
<tr>
<td>Question</td>
<td>Response</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------</td>
<td>----------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>age last reg d.Chw</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>iw checkpoint</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#tim quit/cut 2wks+</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>probs when quit/cut</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#days prob lasted</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>prob sev times?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>start again</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>continue to use</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>cause health probs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>continue-health</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>emot/mental probs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>continue=emot/ment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>unable quit/cut</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>unable quit mult</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>more than intend</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>reg-would not chg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>give up activities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>repeatedly give up</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>iw checkpoint</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>age first problems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>last had problems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>non-affective psycho</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Appendix C
Construction of Diagnostic Variables

1. Available syndromes

The public use tape contains diagnostic variables, typically coded yes-no, with age of onset and recent codes, for the following DSM-III-R syndromes:

Mood disorders: Major depressive episode, Manic episode, Dysthymia (300.40)

Anxiety disorders: Panic disorder with (300.21) or without (300.01) agoraphobia, Agoraphobia, Social phobia (300.23), Simple phobia (300.29), Generalized anxiety disorder (300.02)

Addictive disorders: Alcohol abuse (305.00), Alcohol Dependence (303.90), Abuse (305.XX) of at least one of the following classes of drugs ( ), Dependence (303.XX) on at least one of the same classes of drugs

Other disorders: Conduct disorder (CD), Adult antisocial behavior (AAB), Antisocial personality disorder (ASPD; 301.70). CD and AAB are criteria of ASPD.

2. Syndromes and disorders

You will note that some of the syndromes listed above contain DSM-III-R diagnostic numbers while others do not. This is because only the syndromes with numbers are disorders. The others are syndromes that may or may not be disorders depending on other information.

In an effort to maintain as much flexibility as possible in the public use tape, the data have been coded in this two-part approach so that you can examine the data at the syndrome level. The relevant issues are as follows.

a. Mania-Depression: DSM-III-R defines manic episodes and depressive episodes as syndromes that go into the definitions of bipolar disorder (296.XX) and major depressive disorder (296.XX). You should refer to DSM-III-R for the exact definitions, but the basic distinction is that a diagnosis of bipolar disorder
requires at least one manic episode but does not require the respondent ever to have had a depressive episode, while a diagnosis of major depressive disorder requires at least one major depressive episode and requires that the respondent has never had a manic episode. By providing data at the syndrome level in the public use tape, we make it possible for you either to study the epidemiology of the syndromes or to combine the syndromes to generate diagnoses, as you prefer. It is important to note, however, that we have not generated diagnoses of bipolar disorder or major depressive disorder on the tape.

b. Panic-Agoraphobia: DSM-III-R distinguishes panic with agoraphobia from panic without agoraphobia. It also distinguishes agoraphobia without panic (which is a DSM-III-R disorder) from agoraphobia with panic (which is not a DSM-III-R disorder). We do not make these distinctions on the public use tape. Instead, we provide separate information on whether the respondent meets criteria for panic disorder with or without agoraphobia and meets criteria for agoraphobia with or without panic. This allows you to study these syndromes or to cross-classify the syndromes to define disorders.

c. Abuse-Dependence: DSM-III-R stipulates that a person no longer receives a diagnosis of substance abuse once he or she meets criteria for dependence on that same substance. However, it is possible for a person to have had a diagnosis of abuse prior to the age of being dependent. In order to capture this fact, our file provides lifetime diagnoses of both abuse and dependence without the hierarchy restriction. You need to check the ages of onset to know whether there was ever a time when the respondent met criteria for abuse without dependence.

3. Imputing values

Although the diagnostic computer programs were used to generate all diagnoses, there were a number of instances where additional information was used as well either to define cases or to define ages of onset or ages of offset. As a result, mechanical use of the diagnostic programs will not always generate the same results as those in the diagnosis files. The following discussion reviews these instances:

a. Mania: There was one missing case for age of onset and this was imputed using hot deck imputation.
b. Major Depression: four cases had missing information on onset and five more on onset age. Four had missing data on recency and 25 on recency age. The large number missing recency age is due to a skip error in the interview schedule that was not caught until data collection had started. We attempted to recontact all respondents to fill in this missing information and those that we could not recontact were imputed using the hot deck method.

c. Dysthymia: Eight cases were missing either onset or recency and were imputed using hot deck imputation.

d. Agoraphobia: Ancillary information from open-ended responses to the simple phobia section was used to assign 13 cases a diagnosis of agoraphobia using their onset and recency ages from the simple phobia section. In addition, a skip error in the NCS that was not found until the end of fieldwork led to 175 cases being missing on onset and recency data. A regression-based imputation scheme was used to generate imputation classes and hit deck imputation was used within these classes to fill in this missing information.

e. Simple phobia: An additional 60 cases would be classified as meeting criteria for this diagnosis if information on open-ended responses to the B49k question were not used. The onset and recency ages were either taken from the simple phobia section or imputed using a hot deck method.

f. Social phobia: If information on open-ended responses to the simple phobia questions were not used, 18 cases would be classified as meeting criteria for social phobia. Onset and recency data were either taken from the simple phobia responses or imputed.

f. Panic disorder: Four cases were imputed for missing data on either age of onset or recency.