

Logic Edits

National Drug Strategy Household Survey 2007

Edit Instructions

The following highlights the likely edits required on the data, based on the editing instructions compiled from the 2004 survey. As the data is gradually being cleaned further specific edits will be required. The suggested editing will be passed onto the AIHW for approval and comment before it is implemented.

Those questions that are new in 2007 are indicated in BLUE.

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INTERVIEWER TO COMPLETE (FRONT PAGE)

Blank at M/F, A, 12+

If details are missing edit in the responses as appropriate from ZZ1, ZZ2, ZZ18a

SECTION D

D3 Contradiction with D2

If D3 is a “Yes” – then make D2 a “yes”

D6 Contradiction with D3, D2

If D6 is a “Yes” – then make D3 and D2 a “yes”

D7 Contradiction with D10, D13, D14, D15, D31

If “Daily” at D10, D13, D14, D15 or “Every day” at D31 – then make D7 “yes, I smoke daily now” and D9 remains blank

D10 Contradiction with D13, D14, D15, D31

If not “Daily” at D10 but “Daily” at D13, D14, D15 OR D31 – then make D10 “Daily”

If “not at all” codes at D10 but “at least weekly (not daily)” at D13, D14, D15 – then make D10 “at least weekly (not daily)”

If “not at all” codes at D10 but “less often than weekly” at D13, D14, D15 – then make D10 “less often than weekly”

If “not at all” at D13, D14 and D15 - then make D10 “not at all and I have not smoked.....”

Contradictions D4, D8, D9, D11 versus ZZ2

(FIRST CHECK QUESTIONNAIRE TO SEE THAT ZZ2 IS NOT A SCAN ERROR)

If D4>ZZ2 – then make D4=ZZ2

If D8>ZZ2 – then make D8=ZZ2

If D9>ZZ2 – then make D9=ZZ2

If D11>ZZ2 – then make D11=ZZ2

Contradictions D4, D8, D9, D11

(FIRST CHECK QUESTIONNAIRE TO MAKE SURE NOT A SCAN ERROR)

If D4>D8 – then make D4= D8

If D9>D8 – then make D9=D8

If D11< D9 – then make D11=D9

D27 Contradiction with ZZ9

If “Not applicable (Not working or studying)” at D27 but indicated working or studying at ZZ9, then edit out response at D27 (this is given the same value as a missing response -1)

If not working or not studying at ZZ9, then make D27 “Not applicable (Not working or studying)”

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D30 Contradiction with D2

If D30 is a “Yes” – then make D2 a “yes”

D30 Contradiction with D29

If D30 is a “yes” make D29 a “yes”

D31 Contradiction with D30

If answer given at D31 – then make D30 a “yes”

SECTION E

E2 Contradiction with E1

If E2 is a “Yes” – then make E1 a “yes”

E3 Contradiction with E2, E1

If age given at E3 – then make E2 and E1 a “yes”

E5 Contradiction with E2, E1

If E5 is a “Yes” – then make E2, E1 both a “yes”

E6 – Contradictions E5 versus ZZ2

(FIRST CHECK QUESTIONNAIRE TO SEE THAT ZZ2 IS NOT A SCAN ERROR)

If Age at E6 = ZZ2 (Current Age) or ZZ2 minus 1 - **then make E5 a “Yes”**

Contradictions E3, E6 versus ZZ2

(FIRST CHECK QUESTIONNAIRE TO SEE THAT ZZ2 IS NOT A SCAN ERROR)

If E3 >ZZ2 – then make E3=ZZ2

If E6 >ZZ2 – then make E6=ZZ2

Contradictions E3, E6

(FIRST CHECK QUESTIONNAIRE TO SEE NOT A SCAN ERROR)

If E3 >E6 – then make E3 = e6

E12 Contradiction with Z7a

If E12 is a “Pregnant or Breastfeeding” and respondent was “Neither pregnant nor breastfeeding in the past 12 months” – then edit out the answer at E12 (and given as a missing value -1)

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SECTIONS F - V

F3 Contradiction with ZZ2

(FIRST CHECK QUESTIONNAIRE TO SEE THAT ZZ2 IS NOT A SCAN ERROR)

Age at F3 should be less than or equal to current age at ZZ2

If F3 > ZZ2 then make F3 = ZZ2

The same principle applies to all equivalent questions in Sections F-W ie

If F3 > ZZ2 then make F3 = ZZ2

If G3 > ZZ2 then make G3 = ZZ2

If H3 > ZZ2 then make H3 = ZZ2

If J3 > ZZ2 then make J3 = ZZ2

If K2 > ZZ2 then make K2 = ZZ2

If L2 > ZZ2 then make L2 = ZZ2

If M2 > ZZ2 then make M2 = ZZ2

If N3 > ZZ2 then make N3 = ZZ2

If O2 > ZZ2 then make O2 = ZZ2

If P2 > ZZ2 then make P2 = ZZ2

If Q2 > ZZ2 then make Q2 = ZZ2

If R2 > ZZ2 then make R2 = ZZ2

If S2 > ZZ2 then make S2 = ZZ2

If T2 > ZZ2 then make T2 = ZZ2

If U2 > ZZ2 then make U2 = ZZ2

F2 – Contradictions with F1

If Pain killers/Analgesics used for NON-MEDICAL PURPOSES ie F2 a “Yes” - then make F1 (EVER) “Yes”

The same principle applies to all equivalent questions in Sections F-W ie

F2 a “Yes” - then make F1 a “Yes”

G2 a “Yes” - then make G1 a “Yes”

H2 a “Yes” - then make H1 a “Yes”

J2 a “Yes” - then make J1 a “Yes”

N2 a “Yes” - then make N1 a “Yes”

V2 a “Yes” - then make V1 a “Yes”

F4 – Contradictions with F2

If Pain killers/Analgesics used in last 12 MONTHS ie F4 a “Yes” - then make F2 (NON-MEDICAL PURPOSES) “Yes”

The same principle applies to all equivalent questions in Sections F-W ie

F4 a “Yes” - then make F2 a “Yes”

G4 a “Yes” - then make G2 a “Yes”

H4 a “Yes” - then make H2 a “Yes”

J4 a “Yes” - then make J2 a “Yes”

K3 a “Yes” - then make K1 a “Yes”

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L3 a "Yes" - then make L1 a "Yes"
M3 a "Yes" - then make M1 a "Yes"
N4 a "Yes" - then make N2 a "Yes"
O3 a "Yes" - then make O1 a "Yes"
P3 a "Yes" - then make P1 a "Yes"
Q3 a "Yes" - then make Q1 a "Yes"
R3 a "Yes" - then make R1 a "Yes"
S3 a "Yes" - then make S1 a "Yes"
T3 a "Yes" - then make T1 a "Yes"
U3 a "Yes" - then make U1 a "Yes"
V3 a "Yes" - then make V1 a "Yes"

F6 – Contradictions with F4, F2

If Pain killers/Analgesics used in last month ie F6 a "Yes" - then make F4, F2 all "Yes"

The same principle applies to all equivalent questions in Sections F-U ie

F6 a "Yes" - then make F4, F2 all "Yes"
G6 a "Yes" - then make G4, G2 all "Yes"
H6 a "Yes" - then make H4, H2 all "Yes"
J6 a "Yes" - then make J4, J2 all "Yes"
K5 a "Yes" - then make K3, K1 all "Yes"
L5 a "Yes" - then make L3, L1 all "Yes"
M5 a "Yes" - then make M3, M1 all "Yes"
N6 a "Yes" - then make N4, N2 all "Yes"
O5 a "Yes" - then make O3, O1 all "Yes"
P5 a "Yes" - then make P3, P1 all "Yes"
Q5 "Yes" - then make Q3, Q1 all "Yes"
R4 a "Yes" - then make R3, R1 all "Yes"
S4 a "Yes" - then make S3, S1 all "Yes"
T4 a "Yes" - then make T3, T1 all "Yes"
U5 a "Yes" - then make U3, U1 all "Yes"

F7 – Contradictions with F6, F4, F2

If Pain killers/Analgesics used in last week ie F7 a "Yes" - then make F6, F4, F2 all "Yes"

The same principle applies to all equivalent questions in Sections F-U ie

F7 a "Yes" - then make F6, F4, F2 all "Yes"
G7 a "Yes" - then make G6, G4, G2 all "Yes"
H7a "Yes" - then make H6, H4, H2 all "Yes"
J7 a "Yes" - then make J6, J4, J2 all "Yes"
K6 a "Yes" - then make K5, K3, K1 all "Yes"
L6 a "Yes" - then make L5, L3, L1 all "Yes"
M6 a "Yes" - then make M5, M3, M1 all "Yes"
N7 a "Yes" - then make N6, N4, N2 all "Yes"
O6 a "Yes" - then make O5, O3, O1 all "Yes"
P6 a "Yes" - then make P5, P3, P1 all "Yes"
Q6 a "Yes" - then make Q5, Q3, Q1 all "Yes"
R5 a "Yes" - then make R4, R3, R1 all "Yes"
S5 a "Yes" - then make S4, S3, S1 all "Yes"
T5 a "Yes" - then make T4, T3, T1 all "Yes"

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U6 a "Yes" - then make U5, U3, U1 all "Yes"

V3 – Contradictions with V2

If Other Opiates used in last 12 MONTHS ie V3 a "Yes" - then make V2 (EVER) "Yes"

V4 – Contradictions with V3, V2

If any answer coded at V4 - then make V3 and V2 both "Yes"

SECTION W

W1 Contradictions with H11, K12a/b, M12a/b, N13, O12a/b, V5

If injected at H11, K12a/b, M12a/b, N13, O12a/b, V5 - then make W1 a "yes"

W2 Contradiction with ZZ2

(FIRST CHECK QUESTIONNAIRE TO SEE THAT ZZ2 IS NOT A SCAN ERROR)

Age at W2 should be less than or equal to current age at ZZ2

If W2 > ZZ2 then make W2 = ZZ2

W3 Contradictions with V2, Q1, P1, O1, N2, M1, K1, H2

If drug first injected at W3 make that drug a "yes" at the appropriate question above.

W4 Contradictions with H11, K12a/b, M12a/b, N13, O12a/b, V5

If injected particular drug at W4 then must code relevant drug in H11, K12a/b, M12a/b, N13, O12a/b, V5 (and H4, K3, M3, N4, O3, P3, Q3 which subsequently make the "ever" questions for each a "yes")

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SECTION X

X1 Contradictions with [E5], [D10], [F4, G4, H4, J4, K3, L3, M3, N4, O3, P3, Q3, R3, S3, T3, U3, V3, W4]

This question will not be edited apart for the following: If the question is blank and the respondent is a non-past 12 month user then they should be forced into “Did not obtain...”

X2 Contradictions with F4, G4, H4, J4, K3, L3, M3, N4, O3, P3, Q3, R3, S3, T3, U3, V3, W4]

If the question is blank and the respondent is a non-past 12 month user then they should be forced into “No main drugs of choice” and “no next drug of choice”

X4 Contradictions with F2, G2, H2, J2, K1, L1, M1, N2, O1, P1, Q1, R1, S1, T1, U1, V2, W1

This question may not be edited.

SECTION Y

Y10 Contradiction with E5

If have not had a drink within past 12 months code each activity at Y10 a “No”

SECTION Z

Z1 Contradiction with E5

If have not had a drink within past 12 months code Z1 as “0”

Z1 Contradiction with ZZ9

If “Not applicable (don’t work or study)” at Z1, but studies and/or works at ZZ9 – then code as missing

Z9 Contradictions with D10, E5, F4, G4, H4, J4, K3, L3, M3, N4, O3, P3, Q3, U3, W1

If used at Z9 make a “yes” at the appropriate question(s) above

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Z10 Contradictions with Z7a

If “breastfeeding only” at Z7a ie code 3 **and** not codes 1 or 2 - then code Z10 as “Not applicable.....”

Z10 Contradictions with E1, E2

If E1 or E2 are a code 2 then code Z10 as “Don’t Drink Alcohol” unless already coded as “Not Applicable”

Z11 Contradictions with Z7a

If “pregnant only” at Z7a ie code 2 **and** not codes 1 or 3 - then code Z11 as “Not applicable.....”

Z11 Contradictions with E1, E2

If E1 or E2 are a code 2 then code Z11 as “Don’t Drink Alcohol” unless already coded as “Not Applicable”

Z13 Contradictions with Z12

If answer given at Z13 - then code Z12 as “Yes.”

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SECTION ZZ **DEMOGRAPHICS**

ZZ1 Contradiction with Section Z (Female Only)

If missing value or both answers given and female only part of Section Z is completed – then code as “Female”

If ZZ1 is coded “Male” and female only part of Section Z is completed – then disregard relevant answers in female only part of Section Z

ZZ8 Contradiction with ZZ7

If same language in both ZZ7 and ZZ8 – then code ZZ8 as “none”

ZZ10 Contradiction with ZZ11, ZZ12

If ANZSIC or ASCO coded at ZZ11, ZZ12 – then code ZZ10 as “Yes”

ZZ15 Contradiction with ZZ14

If answer given at ZZ15 – then make ZZ14 a “yes”

ZZ17 Contradiction with ZZ16

If $ZZ17 < ZZ16$ – then make $ZZ17 = ZZ16$

ZZ19 Contradiction with ZZ18b

If “No” at ZZ18b but children at ZZ19 – then make ZZ18b a “Yes”

ZZ20 Contradiction with ZZ19, ZZ18b

If no dependent children at ZZ18b/ZZ19 but household described as one of “.....with dependent children” – then change ZZ20 to the corresponding non-dependent children option

If dependent children at ZZ18b/ZZ19 but ZZ20 is a code “person living alone”, “couple living alone”, or “non-related adults sharing” then change ZZ19 to “single parent with dependent children” “couple with dependent children”, or “other household type” respectively.

If ZZ20 is “couple with non-dependent children” and ZZ18b is a “yes” – then make ZZ20 “couple with both dependent and non-dependent children”

If ZZ20 is “single parent with non-dependent children” and ZZ18b is a “yes” – then make ZZ20 “single parent with dependent and non-dependent children”

ZZ25 Contradiction with Date on Front Page/E16

If ZZ25 is “earlier” than Date on Front Page, sense check Months. Also check day at E16. Make ZZ25 the date of that “Day of Week” after which questionnaire was dropped off.

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Missing Values

Below are "Yes/No" type questions from various sections which may have missing values, but where it is possible to ascertain from the skip followed what the missing answer should have been.

B2, B4

If followed skip – then code as “No”
If didn’t follow skip – then code as “Yes”;

In 2001 and 2004, it was agreed to code as ‘Yes’ if skip was not followed. However, if skip is followed, and only if the first question after the skip has a valid answer (for example, if there is a valid answer for B4, where B3 is missing, then code ‘no’ to B2), then only code as ‘No’.

This applies to all missing values that are listed on this page.

D2, D3, D29, D30

If followed skip – code as “No”;
If didn’t follow skip – code as “Yes”

E1, E2, E27

If followed skip – code as “No”;
If didn’t follow skip – code as “Yes”

F1, F2, F4, F6, G1, G2, G4, G6, H1, H2, H4, H6, J1, J2, J4, J5, K1, K3, K5, L1, L3, L5, M1, M3, M5, N1, N2, N4, N6, O1, O3, O5, P1, P3, P5, Q1, Q3, Q5, R1, R3, R4, S1, S3, S4, T1, T3, T4, U1, U3, U5, V1, V2, V3, W1

If followed skip – code as “No”;
If didn’t follow skip – code as “Yes” (*for F2 etc - didn’t follow skip in these instances means F3 and F4 answered*)

F6, G6, H6, J6 etc

If F7 etc is a “No” and F6 etc is blank, then only Make F6 etc a “Yes” if F4 etc is a “Yes”

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Numeric Values

The following relates **to the treatment of "zeros" and blanks at the numeric questions (ie questions with numeric boxes to fill in how much, how many etc) on the final datafile**. Some respondents have marked in zeros while others have left blank. So for consistency we have outlined the relevant questions below and on how they should be treated.

As a blanket rule if the respondent should not have answered the question they are already being blanked out through the forward editing of the relevant questions. This makes it consistent also with the CATI data, which is automatically filtered. However the issues arise when the respondent should answer the relevant question but some place "00" to represent none whereas others leave as blank.

In some cases "00" is probably a legitimate "None" and the blanks are a missing value or a can't say. We suggest, therefore, leaving the following questions as they are:

E30 – E35 (No. of standard drinks could drink every day without damaging health)

D13 – D15 (No. of cigarettes, roll-your-own, cigars, pipes smoked) - leave, apart from relevant forward editing

K10, L10, L16, M10, N11, O10, P10, Q10 etc (Quantity of each drug taken on an average day) - leave as is, apart from relevant forward editing

Z1, Z2, Z3 (How many days of work, school etc missed) - leave, apart from relevant forward editing – If someone ticks N/A when they shouldn't have, can we please give this a value of -2.

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Back-Coding Edits

Contradictions between F11, G11, H12, K13, L13, M14, N15, O13, P12, Q11, R7, S7, T7, U12, V6 (i.e. drugs used at the same time)

For example marijuana not used concurrently with Pain Killers at F11, but Pain Killers used concurrently with Marijuana at M14.

We recommend **all** such contradictions are to be automatically back-coded ie in this example marijuana would be back-coded at G11 (ie all matrix combinations will have to be cross-checked).

If the respondent, however, claimed to have never used “Pain Killers” at F1 (code “No” or left this question blank) we would back-code this to a “Yes”. Age first tried would be left blank and we would not back-code past 12 months (F4) as a “Yes” **as the question wording at M14 does not specify “past 12 months”**. In effect all other questions in Section F (apart from F1, F2 and **F11**), would be blank for that respondent who was back-coded.

Our reasoning behind editing the data in this manner is that these questions (F11 to V6) do not explicitly ask respondents to name the drug they have used at the same time in the last 12 months. Therefore respondents may name a drug they used at the same time more than 12 months ago. We can only be confident that they have ever used the drug, rather than used the drug in the last 12 months.

We recommend this edit be conducted AFTER all other editing has been implemented so that it does not consequently affect other data items

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Forward Edits

The following questions, however, should be “forward-edited”:

If “none of these” at D17 and an answer is given at **D18-D19** – then edit out the answers to **D18-D19** (Logic: we can’t be sure what the respondent should have been at D17)

If “no longer use at ” at D31 and an answer is given at **D32**– then edit out the answers to **D32** (Logic: we can’t be sure what the respondent should have been at D32)

If “no longer drink” at E7 and an answer is given at **E8-E10**– then edit out the answers to **E8-E10** (Logic: we can’t be sure what the respondent should have been at E7)

If “none of the above ” at E11 and an answer is given at **E12**– then edit out the answers to **E12** (Logic: we can’t be sure what the respondent should have been at E10)

If “no” at W9 and an answer is given at **W10 – W11** then edit out the answers to **W10 – W11** (Logic: we can’t be sure what the respondent should have been at W9)

If codes 3-5 at W10 and an answer is given at **W11** then edit out the answers to **W11** (Logic: we can’t be sure what the respondent should have been at W10)

If “no to all at Z5” and an answer is given at **Z6** – then edit out the answers to Z6 (Logic: we can’t be sure which procedure the respondent was a “yes” to at Z5, nor the time-period)

If “no to all at Y1 **and** Y2” and an answer is given at **Y3 – Y9** – then edit out the answers to **Y3 – Y9** (Logic: we can’t be sure whether respondent was a “yes” at Y1 or Y2)

If “Yes All” at Y6 and an answer is given at **Y7** – then edit out the answers to Y7 (Logic: we can’t be sure whether respondent was a “yes - some” or “no-none” at Y6)

If “Neither pregnant nor breastfeeding” at Z7a and an answer is given at **Z7b-Z13** – then edit out the answers to **Z7b-Z13** (Logic: we can’t be sure which permutation of answers the respondent should have been at Z7a)

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Final Forward Editing

After all previous logic editing has been performed, the final forward editing for **Section D** would be as follows:

If Respondent is a "No" at D2 edit out responses from questions in the Section up to AND INCLUDING D24

If Respondent is a "No" at D3 edit out responses from questions in the Section up to AND INCLUDING D24

If the Respondent is a code 5 at D10 edit out responses from questions D13 up to but not including D25

After all previous logic editing has been performed, the final forward editing for **Section E** would be as follows:

If Respondent is a "No" at E1 edit out responses from questions in the Section up to E26

If Respondent is a "No" at E2 edit out responses from questions in the Section up to E26

If Respondent is a "No" at E5 edit out responses from questions E8 up to but not including E26

After all previous logic editing has been performed, the final forward editing for **Sections F - V** would be as follows:

If Respondent is a "No" for ever used edit out responses from remaining questions in the Section (unless everybody answers at end of section)

If Respondent is a "No" for used past 12 months edit out responses from remaining questions in the Section

The editing in relation to the contradictions between F11, G11 H11, J12, K13, L13, M13, N15, O13, P12, Q11, R7, S7, T7, U12, V6 (ie drugs used at the same time), as previously outlined should be implemented after the above edits

Data formatting instructions – NDSHS – 0322m

1. For each single response question, please create a single variable
Name = question 'number' (for example: K12b; without fullstop)
Label = question text, only—no question number (for example, label for K12b would be 'In the last 12 months, what was the main way that you used Meth/amphetamine?')
2. For each multiple response question, please
 - 2a. create a 'summary' variable
Name = question 'number' followed by an underscore '_' (for example: B3_, K12a_)
Label = question text, only—no question number (for example, label for K12a_ would be 'In what ways have you ever used Meth/amphetamine?')
Values: -1 labelled 'Not answered', 1 labelled 'Answered'
 - 2b. for each response (or 'subquestion'), create a separate variable
Name = question 'number' followed by an underscore '_' followed by two digits (01, 02 and so on), representing the (rotation 1) responses (for example: K12a_01, K12a_02)
Label = response text, without any of the original question text (for example, K12a_01 label would be 'Smoked', K12a_02 label would be 'Snorted')
For simple Yes/No multiple questions (such as K12a), values would be: -1 labelled 'Not answered', 1 labelled 'Yes' and 0 labelled 'No'
For more complex multiple response—multiple questions (such as A4), values would be: -1 labelled 'Not answered', 1 labelled 'Strongly approve', 2 labelled 'Approve' ... and 6, say, labelled 'Don't know' [this scheme of labels is appropriate to A4_01, A4_02 and so on, but would be varied appropriately for B4_xx, or C2_xx and other questions]
3. For questions that a respondent should not have answered (after logic edits have been performed), (because of earlier skips, not-asked-CATI or not-asked-12–13, and so on), please record the relevant variable for that respondent as 'system missing' (SYSMIS or '.', in SPSS parlance). There should be no response such as 'Not asked (CATI)'.
 - 3a. For multiple response questions, the summary variable (K12a_, for example) and all the subquestion variables (K12a_01, K12_02 and so on) should be 'system missing'
4. For variables with one (usually numeric) answer, please use a 'response' (value) of -1 to indicate that that question was not answered (if that were the case)
5. For dichotomous questions (almost always Yes/No answer) such as K1 or K12a_01 please use:
If respondent answered 'Yes', record a value of 1 and a label of 'Yes'
If respondent answered 'No', record a value of 0 and a label of 'No'
If respondent did not answer the question, record a value of -1 and a label of 'Not answered'
6. For single answer multiple-possibilities questions please use values of 1, 2, 3... and appropriate labels
For example for question E24:
a value of 1 would be labelled as 'Yes, in the last 12 months'
a value of 2 would be labelled 'Yes, but not in the last 12 months'
a value of 3 would be labelled 'No'

Question A1 asks separate (1st drug? and 2nd drug?) questions and would be recorded as A1a and A1b, each with the same set of responses (1 = Alcohol, 2 = Tobacco and so on; not including the list of 'street' names).

I would be more than willing to discuss the scheme above. I think it is ~90% the same as 2004, but I'd like to make responses consistent across the dataset and to improve the treatment of multiple response questions.

Cathy,

David Batts will send you through a response shortly. I think the main things to note will be as follows ...

Data formatting 1 'Yes' / 0 'No'. That is a 'No' is a zero not a 2.

Other conventions:

-1 Don't Know

-2 Refused

All other not answered SYSMIS ''

This means 'gaps' that arise as a result of backcoding, data cleaning edit rules etc. are coded as SYSMIS.

Hope this is clear.