/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\* ANTISOCIAL PERSONALITY DISORDER, DSM-IV \*/

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

\*\*\* Changes made to Criterion A4, Oct 2012;

label asd4dx='ASP,DSMIV';

label asd4a='DSMIV, adult ASP';

label asd4c='DSMIV, conduct disorder';

label asd4asx\_Clean='Num ASP Adult Sx, clean';

label asd4asx\_CleanOrDirty='Num ASP Adult Sx, clean or dirty';

label asd4csx\_Clean='Num ASP Conduct Disorder Sx, clean';

label asd4csx\_CleanOrDirty='Num ASP Conduct Disorder Sx, clean or dirty';

keep asd4dx asd4a asd4c asd4asx\_Clean asd4asx\_CleanOrDirty

asd4csx\_Clean asd4csx\_CleanOrDirty;

\*\*\* adult ASP;

%macro chk5\_6(var,on1var,recvar,num,on2var);

if &var in(5,6) & (3<=&on1var.DK<=4 | &on1var>=15 | &recvar>=15)

then cnt&num.\_5+1;

else

if &var in(3,6) & (3 <=&on2var.DK<=4 | &on2var>=15 |

&recvar>=15) then cnt&num.\_3+1;

else

if &var=1 | &recvar<15

then cnt&num.\_1+1;

else

if &var=.K | &on1var.DK=.K | &on2var.DK=.K | &recvar=.K

then cnt&num.\_9+1;

%mend chk5\_6;

\*\*\* x3ormore: this is the best we can do;

\*\*\* a positive for '3 or more' will inherit the

classification of the stem question;

\*\*\* where the stem question is coded 6,

the '3 or more' question will be counted as clean,

even though we can''t know whether or not the

instances since age 15 were dirty or clean;

%macro x3ormore(var1,var2,num);

if &var1 in(5,6) & &var2=5 then cnt&num.\_5+1;

else

if &var1=3 & &var2=5 then cnt&num.\_3+1;

else

if &var1=1 | &var2=1 then cnt&num.\_1+1;

else

if &var1=.K | &var2=.K then cnt&num.\_9+1;

%mend x3ormore;

%macro noage5\_6(var1,num);

if &var1 in(5,6) then cnt&num.\_5+1;

else

if &var1=3 then cnt&num.\_3+1;

else

if &var1=1 then cnt&num.\_1+1;

else

if &var1=.K then cnt&num.\_9+1;

%mend noage5\_6;

%macro noage5(var1,num);

if &var1 =5 then cnt&num.\_5+1;

else

if &var1=1 then cnt&num.\_1+1;

else

if &var1=.K then cnt&num.\_9+1;

%mend noage5;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

\*\*\*\*\*\*\*\*\* A1: ..repeatedly performing acts that are

grounds for arrest;

\*\*\* in 2 pieces;

\*\*\* first group (A1A): need 3 or more positives to meet criterion;

cnta1a\_5=0;cnta1a\_1=0;cnta1a\_3=0;cnta1a\_9=0;

%chk5\_6(as14,asa1\_ao14,asa\_ar14,a1a,asa2\_ao14)

%chk5\_6(as14b,asc1\_ao14,asc\_ar14,a1a,asc2\_ao14)

%chk5\_6(as14d,ase1\_ao14,ase\_ar14,a1a,ase2\_ao14)

%chk5\_6(as15,as1\_ao15,as\_ar15,a1a,as2\_ao15)

%chk5\_6(as16,as1\_ao16,as\_ar16,a1a,as2\_ao16)

%chk5\_6(as18,as1\_ao18,as\_ar18,a1a,as2\_ao18)

if (as17 in(5,6)) \*(as17a=5) \*(3 <=as1\_ao17DK <=4 | as1\_ao17 >=15 | as\_ar17 >=15) then cnta1a\_5+1;

else

if (as17 in(3,6)) \*(as17a=5) \*(3 <=as1\_ao17DK <=4 | as1\_ao17 >=15 | as\_ar17 >=15) then cnta1a\_3+1;

else

if (as17=1)|(as17a=1) | (as\_ar17<15) then cnta1a\_1+1;

else

if as17=.K | as17a=.K | as\_ar17=.K

then cnta1a\_9+1;

\*\*\*AS18: AS18c (included on handscore) is

'Since your 15th birthday, have you damaged someone else's property

on purpose?' Not asked because redundant, age threshold addressed above;

%chk5\_6(as21,as1\_ao21,as\_ar21,a1a,as2\_ao21)

\*\*\* questions read: 'Since your 15th birthday';

%noage5\_6(as23\_1,a1a)

%noage5\_6(as23\_2,a1a)

%noage5\_6(as23\_3,a1a)

%noage5\_6(as23\_4,a1a)

%noage5\_6(as23a,a1a)

\*\*\*\*;

%chk5\_6(as29,as1\_ao29,as\_ar29,a1a,as2\_ao29)

\*\*\* second group (A1B): any positive is sufficient;

\*\*\* (we count anyway, to facilitate checking);

cnta1b\_5=0;cnta1b\_1=0;cnta1b\_3=0;cnta1b\_9=0;

if (as14 in(5,6) | as14b in(5,6) | as14d in(5,6))

& (as14f=5) then cnta1b\_5+1;

else

if (as14=3 | as14b=3 | as14d=3 )

\* (as14f=5) then cnta1b\_3+1;

else

if as14f=1 then cnta1b\_1+1;

else

if as14f=.K then cnta1b\_9+1;

%x3ormore(as15,as15b,a1b)

\*\*\*\*\*NB: as17a (set fires to destroy property) retained as requirement ;

\*\* asking AS17c (3 or more times since age 15) is not conditional on value of as17a;

\*\* requiring AS17a is in keeping with tally sheet but not handscore (which requires only as17c);

if (as17 in(5,6)) \*(as17a=5) \*(as17c=5) then cnta1b\_5+1;

else

if (as17 in(3,6)) \*(as17a=5)\*(as17c=5) then cnta1b\_3+1;

else

if (as17=1)|(as17a=1)| (as17c=1) then cnta1b\_1+1;

else

if as17=.K | as17a=.K |as17c=.K

then cnta1b\_9+1;

%x3ormore(as16,as16b,a1b)

%x3ormore(as18,as18d,a1b)

%x3ormore(as23a,as23b,a1b)

if (as29 in(5,6))\*

(3<=as1\_ao29DK<=4 | as1\_ao29>=15 | as\_ar29>=15)

\*(as29b>=3) then cnta1b\_5+1;

else

if (as29=3) \* (3<=as2\_ao29DK<=4 | as2\_ao29>=15 | as\_ar29>=15)\*

(as29b>=3) then cnta1b\_3+1;

else

if (as29=1) | (as29b<3 & as29b ne .K) \*(1 <=as\_ar29<15) then cnta1b\_1+1;

else

if as29=.K | as\_ar29=.K | as29b=.K then cnta1b\_9+1;

\*\*\* Has criterion 1 been met? ;

if cnta1a\_5>=3 | cnta1b\_5>0 then asd4a1=5;

else

if sum(cnta1a\_5,cnta1a\_3)>=3 | cnta1b\_3>0 then asd4a1=3;

else

if sum(cnta1a\_3,cnta1a\_5,cnta1a\_9)>=3 | cnta1b\_9>0

then asd4a1=9;

else

if sum(cnta1a\_3,cnta1a\_5,cnta1a\_9)<3 & cnta1b\_9=0

then asd4a1=1;

if as14=. & as15=. then asd4a1=.;

\*\*\*\* the intention is merely to identify cases where

the section was skipped;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

\*\*\*\* A2: Deceitfulness...;

cnta2\_5=0;cnta2\_1=0;cnta2\_3=0;cnta2\_9=0;

%chk5\_6(as11a,as1\_ao11,as\_ar11,a2,as2\_ao11)

if (as11b in(5,6) )\*

(3<=as1\_ao11DK <=4| as1\_ao11 >=15 | as\_ar11 >=15) \*

(as11b1=5) then cnta2\_5+1;

else

if (as11b in(3,6)) \*

(3 <=as2\_ao11DK<=4 | as2\_ao11>=15 | as\_ar11 >=15) \*

(as11b1=5) then cnta2\_3+1;

else

if as11=1 | as\_ar11 <15 | as11b1=1

then cnta2\_1+1;

else

if as11=.K | as1\_ao11DK =.K | as2\_ao11DK=.K |

as\_ar11=.K | as11b1=.K

then cnta2\_9+1;

if (as13=5 ) \* (3 <=as1\_ao13DK <=4 | as1\_ao13 >=15 | as\_ar13 >=15) |

(as13a in (5,6) ) then cnta2\_5+1;

else

if as13a in(3,6) then cnta2\_3+1;

else

if (as13=1 & as13a=1) |( as\_ar13 <15) then cnta2\_1+1;

else

if as13=.K | as1\_ao13DK =.K | as2\_ao13DK=.K | as\_ar13=.K | as13a=.K

then cnta2\_9+1;

%x3ormore(as39,as39b,a2)

\*\*\* Has criterion 2 been met? ;

\*\*\* Any of the above is sufficient;

if cnta2\_5>0 then asd4a2=5;

else

if cnta2\_3>0 then asd4a2=3;

else

if cnta2\_9>0 then asd4a2=9;

else asd4a2=1;

if as11=. and as13=. then asd4a2=.;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

\*\*\*A3: Impulsivity...;

cnta3\_5=0;cnta3\_1=0;cnta3\_3=0;cnta3\_9=0;

%chk5\_6(as25e,as1\_ao25,as\_ar25,a3,as2\_ao25);

%noage5\_6(as30,a3);

%noage5\_6(as30a,a3);

\*\*assign clean if alc/drugs unknown, as33b will be missing if never used substance;

if as33=5 then do;

if as33b in(1,.,.K) then cnta3\_5+1;

else

if as33b=5 then cnta3\_3+1;

end;

else

if as33=1 then cnta3\_1+1;

else

if as33=.K then cnta3\_9+1;

\*\*\* Has criterion 3 been met? :

\*\*\* Any of the above is sufficient;

if cnta3\_5>0 then asd4a3=5;

else

if cnta3\_3>0 then asd4a3=3;

else

if cnta3\_9>0 then asd4a3=9;

else asd4a3=1;

if as33=. then asd4a3=.;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

\*\*\*A4: Is irritable and aggressive as indicated by repeated

physical fights or assaults...;

cnta4\_5=0;cnta4\_1=0;cnta4\_3=0;cnta4\_9=0;

\*\*\*\*\* evaluation of these 2 change so that any positive is sufficient

(per VH, April 2008);

%chk5\_6(as19,as1\_ao19,as\_ar19,a4,as2\_ao19)

%chk5\_6(as20,as1\_ao20,as\_ar20,a4,as2\_ao20)

\*\*\*\*\*;

%chk5\_6 (as6,asa1\_ao6,asa\_ar6,a4,asa2\_ao6)

%chk5\_6(as6b,asc1\_ao6,asc\_ar6,a4,asc2\_ao6)

%chk5\_6(as6d,ase1\_ao6,ase\_ar6,a4,ase2\_ao6)

%chk5\_6(as21,as1\_ao21,as\_ar21,a4,as2\_ao21)

%chk5\_6(as27,as1\_ao27,as\_ar27,a4,as2\_ao27)

\*\*\*\*\*\*\*\*\* Has criterion 4 been met? ;

if cnta4\_5>0 then asd4a4=5;

else

if cnta4\_3>0 then asd4a4=3;

else

if cnta4\_9>0 then asd4a4=9;

else asd4a4=1;

if as6=. and as19=. & as20=. then asd4a4=.;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

\*\*\*\*A5: Reckless disregard for safety of self or others...;

cnta5\_5=0;cnta5\_1=0;cnta5\_3=0;cnta5\_9=0;

%chk5\_6(as25b,as1\_ao25,as\_ar25,a5,as2\_ao25)

%noage5(as37,a5)

%chk5\_6(as38,as1\_ao38,as\_ar38,a5,as2\_ao38)

%chk5\_6(as38a,as1\_ao38,as\_ar38,a5,as2\_ao38)

\*\*\* AS28 note: handscore requires 3 or more tickets;

\* AS28A1 asks 'at least 4';

if (as28 in (5,6)) \*

(3<=as1\_ao28DK <=4| as1\_ao28 >=15 | as\_ar28 >=15)

\* ((as28a>=3) | (as28a=.K & as28a1=5))

then cnta5\_5+1;

else

if (as28 in(3,6)) \*

(3 <=as2\_ao28DK<=4 | as2\_ao28>=15 | as\_ar28 >=15)

\* ((as28a>=3) | (as28a=.K & as28a1=5))

then cnta5\_3+1;

else

if (as28=1) | (0<=as28a1<3)|(as28a=.K & as28a1=1)

| ( 1<=as\_ar28 <15)

then cnta5\_1+1;

else

if as28=.K | as1\_ao28 =.K | as2\_ao28=.K |

as\_ar28=.K | as28a1=.K

then cnta5\_9+1;

\*\*\* Has criterion 5 been met? ;

\*\*\* Any of the above is sufficient;

if cnta5\_5>0 then asd4a5=5;

else

if cnta5\_3>0 then asd4a5=3;

else

if cnta5\_9>0 then asd4a5=9;

else asd4a5=1;

if as28=. and as37=. & as38=. then asd4a5=.;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

\*\*\*\*A6: Consistent irresponsibility. as indicated by repeated

failure to sustain consistent work behavior or honor

financial obligations;

cnta6\_5=0;cnta6\_1=0;cnta6\_3=0;cnta6\_9=0;

%chk5\_6(as24,as1\_ao24,as\_ar24,a6,as2\_ao24)

%chk5\_6(as25a,as1\_ao25,as\_ar25,a6,as2\_ao25)

%chk5\_6(as25c,as1\_ao25,as\_ar25,a6,as2\_ao25)

%chk5\_6(as25d,as1\_ao25,as\_ar25,a6,as2\_ao25)

if (as32=5)\*(as32a =1)\*(as32b in(.,1)) then cnta6\_5+1;

else

if (as32=5)\*(as32a =1)\*(as32b =5 ) then cnta6\_3+1;

else

if as32=1 | as32a=5 then cnta6\_1+1;

else

if as32=.K | as32a=.K | as32b= .K then cnta6\_9+1;

\*\*\* Has criterion 6 been met? ;

\*\*\* Any of the above is sufficient;

if cnta6\_5>0 then asd4a6=5;

else

if cnta6\_3>0 then asd4a6=3;

else

if cnta6\_9>0 then asd4a6=9;

else asd4a6=1;

if as24=. & as31=. & as32=. & as38=. then asd4a6=.;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

\*\*A7: lack of remorse...;

cnta7\_5=0;cnta7\_1=0;cnta7\_3=0;cnta7\_9=0;

%noage5\_6(as40,a7)

if as43a=1 then cnta7\_5+1;

else

if as43a=.K then cnta7\_9+1;

else

if as43a=5 then cnta7\_1+1;

if as43b=5 then cnta7\_5+1;

else

if as43b=.K then cnta7\_9+1;

else

if as43b=1 then cnta7\_1+1;

\*\*\* Has criterion 7 been met? ;

if cnta7\_5>0 then asd4a7=5;

else

if cnta7\_3>0 then asd4a7=3;

else

if cnta7\_9>0 then asd4a7=9;

else asd4a7=1;

if as40=. then asd4a7=.;

\*\*\*\*\*\* ASSIGN VALUE FOR CRITERION A (Adult ASPD);

asd4a5sx=0;

asd4a3sx=0;

asd4a9sx=0;

asd4amsx=0;

asd4asx=0;

array asd4aary asd4a1-asd4a7;

do i=1 to 7;

if asd4aary(i)=5 then asd4a5sx+1;

if asd4aary(i) =3 then asd4a3sx+1;

if asd4aary(i)=9 then asd4a9sx+1;

if asd4aary(i)=. then asd4amsx+1;

end;

asd4a5\_3=sum(asd4a5sx,asd4a3sx);

asd4a539=sum(asd4a5sx,asd4a3sx,asd4a9sx);

if asd4a5sx>=3 then asd4a=5;

else

if asd4a5\_3>=3 then asd4a=3;

else

if asd4a539>=3 then asd4a=9;

else

asd4a=1;

if asd4amsx=7 then asd4a=.;

asd4asx\_clean=asd4a5sx;

asd4asx\_CleanOrDirty=sum(asd4a5sx,asd4a3sx);

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\* CRITERION C: Evidence of Conduct Disorder \*/

/\* with onset before age 15 \*/

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\* NB: clustering not considered for conduct disorder in context of adult ASPD\*/

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

\*\*\*\* Conduct Disorder, clean, one positive is sufficient to meet criterion;

%macro cd5j1(var,onvar,crterion);

if &var=5 & (1<= &onvar.DK<=2 |&onvar<15) then &crterion=5;

else

if &var=1 | &onvar>=15 | 3<=&onvar.DK <=4 then &crterion=1;

else

if &var=.K | &onvar.DK=.K then &crterion=9;

if &var=. then &crterion=.;

%mend cd5j1;

\*\*\*\* Conduct Disorder, clean or dirty, one positive is sufficient to meet criterion;

%macro cd5\_6j1(var,onvar1,crterion,onvar2);

if &var in(5,6) & (1<= &onvar1.DK<=2 | &onvar1<15) then &crterion=5;

else

if &var in(3,6) & (1<= &onvar2.DK<=2 | &onvar2<15) then &crterion=3;

else

if &var=.K | &onvar1.DK=.K | &onvar2.DK =.K then &crterion=9;

else

&crterion=1;

if &var=. then &crterion=.;

%mend cd5\_6j1;

\*\*C1: Often bullied, threatened or intimidated others;

%cd5j1(as9,as\_ao9,asd4c1);

\*\*\*C2: Often initiated physical fights;

if ( (as6 in(5,6) ) \* (1 <=asa1\_ao6DK <=2 | asa1\_ao6 <15) ) |

( (as6b in(5,6)) \* ( 1<=asc1\_ao6DK<=2| asc1\_ao6<15)) then asd4c2=5;

else

if ( (as6 in(3,6)) \* (1 <=asa2\_ao6DK | asa2\_ao6<15) ) |

( (as6b in(3,6)) \* (1 <=asc2\_ao6DK<=2 | asc2\_ao6<15) ) then asd4c2=3;

else

if (as6=1 & as6b=1) |

~(1 <=asa1\_ao6DK <=2 | asa1\_ao6 < 15 | asa1\_ao6DK=.K |

1 <=asa2\_ao6DK <=2 | asa2\_ao6 < 15 | asa2\_ao6DK=.K |

1 <=asc1\_ao6DK <=2 | asc1\_ao6 < 15 | asc1\_ao6DK=.K |

1 <=asc2\_ao6DK <=2 | asc2\_ao6 < 15 | asc2\_ao6DK=.K )

then asd4c2=1;

else

if as6=.K | as6b=.K | asa1\_ao6DK = .K | asa2\_ao6DK =.K | asc1\_ao6DK= .K

| asc2\_ao6DK=.K then asd4c2=9;

if (as6=.)\*(as6b=.) then asd4c2=.;

\*\*\*\*C3: Has used a weapon...;

%cd5\_6j1(as20,as1\_ao20,asd4c3,as2\_ao20)

if as20=. then asd4c3=.;

\*\*C4: Was physically cruel to people;

%cd5\_6j1(as19,as1\_ao19,asd4c4,as2\_ao19)

if as19=. then asd4c4=.;

\*\*C5: Was physically cruel to animals; \*\*\*check--do we need 3 or more times?;

%cd5j1(as10,as\_ao10,asd4c5)

if as10=. then asd4c5=.;

\*\*\* C6: Stole with confrontation...;

%cd5\_6j1(as16,as1\_ao16,asd4c6,as2\_ao16)

if as16=. then asd4c6=.;

\*\*\*C7: Forced someone into sexual activity...;

%cd5\_6j1(as21,as1\_ao21,asd4c7,as2\_ao21)

if as21=. then asd4c7=.;

\*\*C8: ..fire-setting with the intention of creating serious damage;

if (as17 in(5,6) & as17a=5) \* ((1<=as1\_ao17 <15) | (1<=as1\_ao17DK <=2))

then asd4c8=5;

else

if (as17 in(3,6) & as17a=5) \* ((1<=as2\_ao17 <15 ) | (1<=as2\_ao17DK <=2 ))

then asd4c8=3;

else

if as17=1 | as17a=1 |

~(1 <=as1\_ao17 < 15 | 1 <=as1\_ao17DK <=2 | as1\_ao17DK=.K |

1 <=as2\_ao17 < 15 | 1 <=as2\_ao17DK <=2 | as2\_ao17DK=.K)

then asd4c8=1;

else

if as17=.K | as17a=.K | as1\_ao17DK=.K | as2\_ao17DK=.K then asd4c8=9;

if as17=. then asd4c8=.;

\*\*\* C9: Deliberately destroyed other''s property (other than by firesetting);

%cd5\_6j1(as18,as1\_ao18,asd4c9,as2\_ao18)

if as18=. then asd4c9=.;

\*\*C10: Broke into someone''s house, building or car..;

%cd5\_6j1(as15,as1\_ao15,asd4c10,as2\_ao15)

if as15=. then asd4c10=.;

\*\*C11: Often lied to obtain goods or favors or to avoid obligations..;

if ( ( (as11a in(5,6)) | (as11b in(5,6) & as11b1=5) ) \*

(1 <=as1\_ao11 <15 | 1 <=as1\_ao11DK <=2) )

| ( (as13=5) \* (1 <=as1\_ao13 <15 | 1 <=as1\_ao13DK <=2 ) )

then asd4c11=5;

else

if ( ( (as11a in(3,6)) | (as11b in(3,6) & as11b1=5) )\*

(1<=as2\_ao11 <15 | 1<=as2\_ao11DK <=2) )

| ( (as13=5) \*(1 <=as2\_ao13 <15 | 1 <=as2\_ao13DK <=2) )

then asd4c11=3;

else

if ( (as11a=1) \*(as11b=1 | as11b1=1) ) |

~ ( 1<=as1\_ao11 < 15 | 1<=as1\_ao11DK<=2|

1<=as2\_ao11 < 15 | 1<=as2\_ao11DK<=2 )

\* ( (as13=1) | ~(1<=as1\_ao13<15 | 1<=as2\_ao13DK<=2) ) then asd4c11=1;

else

if as11a=.K | as11b=.K | as11b1=.K |

as1\_ao11DK=.K | as2\_ao11DK=.K |

as13=.K | as1\_ao13DK =.K | as2\_ao13DK=.K

then asd4c11=9;

if as11a=. & as11b=. & as13=. then asd4c11=.;

\*\*\* C12: Stole without confrontation..;

if ( (as14 in(5,6) ) \* ( 1<=asa1\_ao14 <15 | 1<=asa1\_ao14DK <=2) ) |

( (as14b in(5,6) )\* ( 1<=asc1\_ao14 <15 | 1<=asc1\_ao14DK <=2) )|

( (as14d in(5,6) )\* ( 1<=ase1\_ao14 <15 | 1<=ase1\_ao14DK <=2) )

then asd4c12=5;

else

if ( ( as14 in(3,6) ) \* (1<=asa1\_ao14 <15 | 1<=asa1\_ao14DK <=2) ) |

( (as14b in(3,6) ) \* (1<=asc1\_ao14 <15 | 1<=asc1\_ao14DK <=2) ) |

( (as14d in(3,6) ) \* (1<=ase1\_ao14 <15 | 1<=ase1\_ao14DK <=2) )

then asd4c12=3;

else

if (as14=1 & as14b=1 & as14d=1) |

~ ( 1<=asa1\_ao14<15 | 1<= asa1\_ao14DK<=2 |

1<=asa2\_ao14<15 | 1<= asa2\_ao14DK<=2 |

1<=asc1\_ao14<15 | 1<= asc1\_ao14DK<=2 |

1<=asc2\_ao14<15 | 1<= asc2\_ao14DK<=2 |

1<=ase1\_ao14<15 | 1<= ase1\_ao14DK<=2 |

1<=ase2\_ao14<15 | 1<= ase2\_ao14DK<=2)

then asd4c12=1;

else

if as14=.K | as14b=.K | as14d=.K |

asa1\_ao14=.K | asa2\_ao14=.K |

asc1\_ao14=.K | asc2\_ao14=.K |

ase1\_ao14=.K | ase2\_ao14=.K then asd4c12=.K;

if as14=. & as14b=. & as14d=. then asd4c12=.;

\*\*\*C13: Often stayed out at night despite parental prohibitions,

beginning before age 13 years;

if ( (as4a=5) \* (1 < as\_ao4 <13 | as\_ao4DK=1) ) |

( (as5a=5) \* (1 < as\_ao5 <13 | as\_ao5DK=1) ) then asd4c13=5;

else

if ( (as4a=1) | ~(1 < as\_ao4 <13 | as\_ao4DK=1 ) ) \*

( (as5a=1) | ~( 1 < as\_ao5 <13 | as\_ao5DK=1) ) then asd4c13=1;

else

if as4a=.K | as\_ao4DK=.K | as5a=.K | as\_ao5DK=.K then asd4c13=9;

if as4=. & as5=. then asd4c13=.;

\*\*\* C14: ran away from home overnight at least twice ...

(or once without returning for a lengthy period);

if ( (as3=5 & as3a=4) \*

( (as3b=5) \* (1<= asb\_ao3 <15 | 1<= asb\_ao3DK <=2) ))

| ( (as3c=1 | as3c1>=7) \* (1<=asc\_ao3<15 | 1<=asc\_ao3DK<2) )

then asd4c14=5;

else

if (as3=1) | (2 le as3a le 3) |

( (as3b in(5,.K) )\*~(1<=asb\_ao3 <16 | 1<=asb\_ao3DK<=2) ) |

( (as3b=1) \* (as3c=5 & 0 < as3c1 <7) ) |

( (as3c=1 | as3c1>=7) \* ~(asc\_ao3<15 | 1<=asc\_ao3DK<=2) )

then asd4c14=1;

else

if (as3=.K) | (as3b=.K) | (as3c=.K) | (asb\_ao3DK=.K) |

(asc\_ao3DK=.K) then asd4c14=9;

if as14=. then asd4c14=.;

\*\*\* C15: Was often truant...beginning before age 13;

if (as1a=5)\*(1<= as\_ao1<13| as\_ao1DK=1) then asd4c15=5;

else

if (as1=1)|(as1a=1)|(as\_ao1>=13)|(as\_ao1DK in(2,3,4)) then asd4c15=1;

else

if (as1=.K) | (as1a=.K) | (as\_ao1DK=.K) then asd4c15=9;

if as1=. then asd4c15=.;

\*\*ASSIGN VALUE FOR CRITERION C (CONDUCT DISORDER);

asd4c5sx=0;

asd4c3sx=0;

asd4c9sx=0;

asd4c1sx=0;

asd4cmsx=0;

array asd4cary asd4c1-asd4c15;

do i=1 to 15;

if asd4cary (i)=5 then asd4c5sx+1;

if asd4cary (i)=3 then asd4c3sx+1;

if asd4cary (i)=9 then asd4c9sx+1;

if asd4cary (i)=1 then asd4c1sx+1;

if asd4cary (i)=. then asd4cmsx+1;

end;

asd4c5\_3=sum(asd4c5sx,asd4c3sx);

asd4c539=sum(asd4c5sx,asd4c3sx,asd4c9sx);

if asd4c5sx>=3 then asd4c=5;

else

if asd4c5\_3>=3 then asd4c=3;

else

if asd4c539>=3 then asd4c=9;

else

asd4c=1;

if asd4cmsx=15 then asd4c=.;

asd4csx\_Clean= asd4c5sx;

asd4csx\_CleanOrDirty= asd4c5\_3;

\*\*\*\* ASSIGN DX, ASPD;

if asd4a=5 & asd4c=5 then asd4dx=5;

else

if asd4a in(3,5) & asd4c in(3,5) then asd4dx=3;

else

if asd4a in(3,5,9) & asd4c in(3,5,9) then asd4dx=9;

else

asd4dx=1;

if as1=. & as2a=. & as2b=. & AS3=. then do;

asd4dx=.;

asd4a=.;

asd4c=.;

asd4asx\_Clean=.;

asd4asx\_CleanOrDirty=.;

asd4csx\_Clean=.;

asd4csx\_CleanOrDirty=.;

end;