KANTAR PUBLIC=

Derived variable documentation for the 2nd cohort of the Longitudinal Study of Young People in England (LSYPE2): Wave Three (2015)

Contents

1. Introduction

This documentation describes all of the derived variables deposited with the second Longitudinal Study of Young People in England (LSYPE2) wave three dataset (2015) (archived in 2017). The majority of the derived variables repeat those created for use in the wave two research report written by Kantar Public (formerly TNS BMRB)[1].

All information relevant to the derivation of each variable is provided in the format described below.

Variable name	Each new variable is identified by using the variable name as found on the dataset and the variable label. All derived variables are distinguished from other variables in their names by including 'DER" at the end of the variable name
Value labels	These are the labels of all categories assigned to different values.
Missing value labels	These are the labels given to the values that are considered to be missing data. Note that these are not necessarily the same values as used for missing data on the survey variables. On many of the derived variables there are additional categories of missing data and these are labelled here.
Description of variable	A brief description of the derived variables and any key issues to note about the variable.
Derivation	For some variables, some notes on how the variable has been derived are included here.
SPSS code	This section provides the SPSS syntax code used to derive the variable.
Derivation source variables	This section provides details about the variables that are used in the derivation and sources the file that they are taken from. The corresponding questionnaire variables can be found in the accompanying questionnaire documentation in the appendices of the wave two and three technical report. The questionnaire provides detailed information about the question wording and the question routing (which explains the circumstances in which the question was asked).

[1] The wave 2 research report can be found here: https://www.gov.uk/government/publications/longitudinal-study-of-young-people-in-england-cohort-2-wave-2

2. Demographics and household composition

2.1 Tenure_W3_DER	**"Housing tenure from Hous12_W3_GRID"**
Value labels: 1 'Own/mortgage/part-own part-rent' 2 'Rent from Council or New Town' 3 'Rent from Housing Association' 4 'Private rent' 5 'Other'	**Missing value labels:** -97 'Data missing due to technical issue' -92 'Refused' -91 'Not applicable' -1 'Don't know'

Description of variable:

This variable condenses the information from Hous12.

Derivation:

SPSS Code:

```
recode Hous12_W3_GRID (1 thru 3=1)(4 = 2)(5=3)(6=4)(7,8=5)(else=copy) into tenure_W3_DER.
variable labels tenure_W3_DER 'Housing tenure from Hous12_W3_GRID'.
value labels tenure_W3_DER -97 'Data missing due to technical issue' -92 'Refused' -91 'Not applicable' -1 "Don't know" 1
"Own/mortgage/part-own part-rent" 2 "Rent from Council or New Town"
3 "Rent from Housing Association" 4 'Private rent' 5 'Other'.
```

Source variable	**Variable label**	**Source file**
Hous12_W3_GRID	Description of accommodation currently living in	Main File – Secure access

2.2 Move_W3_DER	**“Whether YP moved house between waves”**
Value labels: 1 ‘Yes’ 2 ‘No’	**Missing value labels:** -97 'Data missing due to technical issue'

Description of variable:

This variable shows whether YP moved house between waves.

Derivation:

SPSS Code:

```
recode Sameadd_W3_grid (1=2) (2=1) (else = copy) into move_W3_DER.
if NumDiffAdd_W3_Grid > 1 move_W3_DER = 1.
add value labels move_W3_DER 1 "Yes" 2 "No" -97 "Data missing due to technical issue".
variable labels move_W3_DER "Whether YP moved house between waves".
```

Source variable	**Variable label**	**Source file**
Sameadd_w3_GRID	Whether address is the same as issued address	Main File – Secure access
NumDiffAdd_W3_GRID	Number of different addresses YP has lived in since last interview	Main File – Secure access

2.3 Famtyp3_W3_DER	**"Family composition"**
Value labels: 1'Two parents' 2 'Step family' 3 'Single parent' 4 'No parents'	**Missing value labels:** -97 'Data missing due to technical issue' -3 'Insufficient information'

Description of variable:

This variable shows the family type in which the YP lives. The syntax below is run on the grid file and then merged in with the main file.

Derivation:

There are some minor differences between the methodologies used here (designed for maximum comparability with LSYPE Cohort 1) and that used for the W1 family type (Famshape_W1_DER) and therefore they are not completely comparable.

SPSS Code:

```
select if SHGInt_W3_GRID <> 3 and SHGInt_W3_GRID <> -93 .
exe.

COMPUTE W3mother=99.
VAR LAB W3mother .
VAL LAB W3mother
1 "Natural mother"
2 "Adoptive mother"
3 "Foster mother"
4 "Step mother"
-91 "Not applicable"
-3 "Insufficient information".
COMPUTE W3mother = -999.
do IF (RelToYP_W3_GRID = 1 AND Sex_W3_GRID = 2).
COMPUTE W3mother = 1.
ELSE IF (RelToYP_W3_GRID = 2 AND Sex_W3_GRID = 2).
COMPUTE W3mother = 2.
ELSE IF (RelToYP_W3_GRID = 3 AND Sex_W3_GRID = 2).
COMPUTE W3mother = 3.
ELSE IF (RelToYP_W3_GRID = 4 AND Sex_W3_GRID = 2).
COMPUTE W3mother = 4.
ELSE IF (RelToYP_W3_GRID=-92 or RelToYP_W3_GRID=-1) AND Sex_W3_GRID = 2.
COMPUTE W3mother = -3.
ELSE IF (~RANGE(RelToYP_W3_GRID,1,4) AND Sex_W3_GRID = 2) OR Sex_W3_GRID~=2.
COMPUTE W3mother = -91.
end if.
EXE.
```

```
COMPUTE W3father=99.
VAR LAB W3father .
VAL LAB W3father
1 "Natural father"
2 "Adoptive father"
3 "Foster father"
4 "Step father"
-91 "Not applicable"
-3 "Insufficient information".
COMPUTE W3father = -999.
do IF (RelToYP_W3_GRID = 1 AND Sex_W3_GRID = 1).
COMPUTE W3father = 1.
ELSE IF (RelToYP_W3_GRID = 2 AND Sex_W3_GRID = 1).
COMPUTE W3father = 2.
ELSE IF (RelToYP_W3_GRID = 3 AND Sex_W3_GRID = 1).
COMPUTE W3father = 3.
ELSE IF (RelToYP_W3_GRID = 4 AND Sex_W3_GRID = 1).
COMPUTE W3father = 4.
ELSE IF (RelToYP_W3_GRID=-92 or RelToYP_W3_GRID=-1) AND Sex_W3_GRID = 1.
COMPUTE W3father = -3.
ELSE IF (~RANGE(RelToYP_W3_GRID,1,4) AND Sex_W3_GRID = 1) OR Sex_W3_GRID~=1.
COMPUTE W3father = -91.
end if.
EXE.

RECODE W3mother (1 thru 4=1) (ELSE=0) INTO mothertemp.
EXE.
compute missindic=MIN(W3mother).
compute W3motherHH=SUM(mothertemp).
IF (missindic=-3 AND W3motherHH=0) W3motherHH=-3.
RECODE W3father (1 thru 4=1) (ELSE=0) INTO fathertemp.
EXE.
compute missindic=MIN(W3father).
compute W3fatherHH=SUM(fathertemp).
IF (missindic=-3 AND W3fatherHH=0) W3fatherHH=-3.
Exe.
COMPUTE W3famtyp=-888.
VAR LAB W3famtyp "DV: Family composition".
VAL LAB W3famtyp
-97 "Data missing due to technical issue"
-3 "Insufficient information"
1 "Married couple"
2 "Cohabiting couple"
3 "Lone father"
4 "Lone mother"
5 "No parents in the household".

AGGREGATE
```

```
  /OUTFILE=* MODE=ADDVARIABLES
  /BREAK=cserial_W3_ADM
  /W3fatherHH_max=MAX(W3fatherHH).
exe.

AGGREGATE
  /OUTFILE=* MODE=ADDVARIABLES
  /BREAK=cserial_W3_ADM
  /W3motherHH_max=MAX(W3motherHH).
exe.

do IF W3fatherHH_max=-3 OR W3motherHH_max=-3.
COMPUTE W3famtyp=-3.
ELSE IF W3fatherHH_max=0 AND W3motherHH_max=0.
COMPUTE W3famtyp=5.
ELSE IF W3fatherHH_max=1 AND W3motherHH_max=0.
COMPUTE W3famtyp=3.
ELSE IF W3fatherHH_max=0 AND W3motherHH_max=1.
COMPUTE W3famtyp=4.
ELSE IF (W3fatherHH_max=1 AND W3motherHH_max=1).
DO IF RANGE(W3father,1,4) OR RANGE(W3mother,1,4).
DO IF (MarStat1_W3_GRID=2 and MarStat2_W3_GRID = 2 and (RelCheck_W3_GRID = 1 or (RelCheck2_W3_GRID >0
and RelCheck2_W3_GRID <15))) or Stilltogether_W3_GRID = 1.
COMPUTE W3famtyp=1.
ELSE IF RelCheck_W3_GRID = 1 or (RelCheck2_W3_GRID >0 and RelCheck_W3_GRID <15).
COMPUTE W3famtyp=2.
ELSE.
COMPUTE W3famtyp=-3.
END IF.
END IF.
END IF.



AGGREGATE
  /OUTFILE=* MODE=ADDVARIABLES
  /BREAK=cserial_W3_ADM
  /W3famtyp_max=MAX(W3famtyp).
exe.

COMPUTE W3steppar=99.
VAR LAB W3steppar "DV: Whether a step parent".
VAL LAB W3steppar
-3 "insufficient information"
-91 "Not applicable"
1 "Yes"
2 "No".
DO IF ANY(RelToYP_W3_GRID,-92,-1).
COMPUTE W3steppar=-3.
ELSE IF RelToYP_W3_GRID =-91.
```

```
COMPUTE W3steppar=-91.
ELSE IF RelToYP_W3_GRID = 4.
COMPUTE W3steppar=1.
ELSE IF RelToYP_W3_GRID ~=4.
COMPUTE W3steppar=2.
END IF.
VAR LAB W3steppar "DV: Whether household is a step family".
VAL LAB W3steppar
-3 "Insufficient information"
1 "Yes"
2 "No".
EXE.

recode W3famtyp (1 thru 2=1)(3 thru 4=3)(5=4)(else=copy)into W3famtyp3.
if (W3steppar=1 and W3famtyp <> 3 and  W3famtyp <> 4) W3famtyp3=2.
execute.
variable labels W3famtyp3 "Family composition".
value labels W3famtyp3 1'Two parents' 2 'Step family' 3'Single parent' 4'No parents' -97 "Data missing due to technical issue"
-3"Insufficient information".

AGGREGATE
  /OUTFILE=* MODE=ADDVARIABLES
  /BREAK=cserial_W3_ADM
  /Famtyp3_W3_DER=MAX(W3famtyp3).

**Now merge into main file (not shown here).

** then recode sysmis case (where grid info missing) to -97.

recode
famtyp3_W3_DER
 (sysmis=-97).
```

Source variable	Variable label	Source file
SHGInt_W3_GRID	Whether W1 household member is still living with the YP	Grid File – not deposited
RelToYP_W3_GRID	Relationship to Young Person - Full	Grid File – not deposited
Sex_W3_GRID	Sex of household member	Grid File – not deposited
MarStat1_W3_GRID	HH grid respondent's marital status	Grid File – not deposited
MarStat2_W3_GRID	Other parent's marital status	Grid File – not deposited
RelCheck_W3_GRID	Whether two parents in HH are in a relationship	Grid File – not deposited
RelCheck2_W3_GRID	Whether HH grid respondent is in a relationship with anyone else in the HH	Grid File – not deposited
Stilltogether_W3_GRID	Whether MP and SP are still in a relationship together	Main file – Secure access
surveyID_ADM	Anonymous unique participant identifier	All files

2.4 Stepfm_W3_DER	**“In a step family”**
Value labels: 1 'Yes' 2 'No'	**Missing value labels:** -97 ‘Data missing due to technical issue’ -3 ‘Insufficient information’

Description of variable:

This variable shows whether the YP is in a step family.

Derivation:

There are some minor differences between the methodologies used here (designed for maximum comparability with LSYPE Cohort 1) and that used for the W1 family type (Famshape_W1_DER) and therefore they are not completely comparable.

SPSS Code:

```
recode Famtyp3_W3_DER(1=2)(2=1)(3 thru 4=2)(else=copy) into Stepfm_W3_DER.
variable labels Stepfm_W3_DER "In a step family".

value labels Stepfm_W3_DER 2'No' 1'Yes'  -97 "Data missing due to technical issue" -3"Insufficient information".
```

Source variable	**Variable label**	**Source file**
Famtyp3_W3_DER	Family composition	Main file

2.5 Singlfm_W3_DER	**"In a single parent family"**
Value labels: 1 'Yes' 2 'No'	**Missing value labels:** -97 'Data missing due to technical issue' -3 'Insufficient information'

Description of variable:

This variable shows whether the YP is in a single parent family.

Derivation:

There are some minor differences between the methodologies used here (designed for maximum comparability with LSYPE Cohort 1) and that used for the W1 family type (Famshape_W1_DER) and therefore they are not completely comparable.

SPSS Code:

```
recode Famtyp3_W3_DER (1 thru 2=2)(3=1)(4=2)(else=copy) into Singlfm_W3_DER.
variable labels Singlfm_W3_DER "In a single parent family".
value labels Singlfm_W3_DER 2'No' 1'Yes'  -97 "Data missing due to technical issue" -3"Insufficient information".
```

Source variable	**Variable label**	**Source file**
Famtyp3_W3_DER	Family composition	Main file

2.6 Noparfm_W3_DER	**“No parents present”**
Value labels: 1 'Yes' 2 'No'	**Missing value labels:** -97 ‘Data missing due to technical issue’ -3 ‘Insufficient information’

Description of variable:

This variable shows if the YP has no parents present.

Derivation:

There are some minor differences between the methodologies used here (designed for maximum comparability with LSYPE Cohort 1) and that used for the W1 family type (Famshape_W1_DER) and therefore they are not completely comparable.

SPSS Code:

```
recode Famtyp3_W3_DER (1 thru 3=2)(4=1)(else=copy) into Noparfm_W3_DER.
variable labels Noparfm_W3_DER "No parents present".
execute.

value labels Noparfm_W3_DER 2 'No' 1'Yes'  -97 "Data missing due to technical issue" -3"Insufficient information".
```

Source variable	Variable label	Source file
Famtyp3_W3_DER	Family composition	Main file

3. Income

3.1 YPPay_W3_DER	**"Banded approximate YP annual pay"**
Value labels: 1 'Under £250' 2 '£250 - £499' 3 '£500 - £749' 4 '£750 - £999' 5 '£1000 - £1499' 6 '£1500 - £1999' 7 '£2000-£2999' 8 '£3000 or over'	**Missing value labels:** -99 'YP not interviewed' -97 'Data missing due to technical issue' -92 'Refused' -91 'Not applicable' -1 'Don't know'

Description of variable:

This variable calculates the banded approximate annual pay the YP received.

Derivation:

The biggest change compared with W2 is the new working variable ypappjobpay in W3 to take into account the additional questions asked about weekly pay from main job/wages as part of training (not asked in W2). Derivation of all component working variables is included here.

SPSS Code:

```
compute yptermpay = -95.
if (JobEarn_W3_YP=-97) yptermpay = -97.
if (JobEarn_W3_YP=-99) yptermpay = -99.
if (JobEarn_W3_YP=-91) yptermpay = -91.
if ((Fixrat_POUNDS_W3_YP=-1) or (JobTime_W3_YP=-1) or (Fixhrt_W3_YP=-1) or (JobEarn_W3_YP=-1 and
Fixhrt_W3_YP=2)) yptermpay= -1.
if ((Fixrat_POUNDS_W3_YP=-92) or (JobTime_W3_YP=-92) or (Fixhrt_W3_YP=-92) or (JobEarn_W3_YP=-92 and
Fixhrt_W3_YP=2)) yptermpay= -92.
if (JobEarn_W3_YP>0 or JobEarn_W3_YP=0) yptermpay = JobEarn_W3_YP.
if (Fixhrt_W3_YP=1 & JobTime_W3_YP > -1 & Fixrat_POUNDS_W3_YP > -1 & Fixrat_PENCE_W3_YP > -1) yptermpay=
(JobTime_W3_YP * (Fixrat_POUNDS_W3_YP+(Fixrat_PENCE_W3_YP/100))).
exe.

variable labels yptermpay " YP weekly term pay".

VALUE LABELS yptermpay
-1 "Don't know"
-92 "Refused"
```

```
-99 "YP not interviewed"
-91 "Not applicable"
-97 "Data missing due to technical issue".
exe.


compute ypholspay = -97.
if (JobEarn2_W3_YP=-99) ypholspay = -99.
if (JobEarn2_W3_YP=-91) ypholspay = -91.
if ((Fixrah_POUNDS_W3_YP=-1) or (JobHols_W3_YP=-1) or (Fixhrh_W3_YP=-1) or  (JobEarn2_W3_YP=-1 and
Fixhrh_W3_YP=2)) ypholspay= -1.
if ((Fixrah_POUNDS_W3_YP=-92) or (JobHols_W3_YP=-92) or (Fixhrh_W3_YP=-92) or (JobEarn2_W3_YP=-92 and
Fixhrh_W3_YP=2)) ypholspay= -92.
if (JobEarn2_W3_YP>0 or JobEarn2_W3_YP=0) ypholspay = JobEarn2_W3_YP.
if (Fixhrh_W3_YP=1 & JobHols_W3_YP > -1 & Fixrah_POUNDS_W3_YP > -1 & Fixrah_PENCE_W3_YP > -1) ypholspay=
(JobHols_W3_YP * (Fixrah_POUNDS_W3_YP+(Fixrah_PENCE_W3_YP/100))).
exe.

variable labels ypholspay " YP weekly holiday pay".

VALUE LABELS ypholspay
-1 "Don't know"
-92 "Refused"
-99 "YP not interviewed"
-91 "Not applicable".
exe.


*For the calculation of overall YP pay and income we need this new working variable ypappjobpay in W3 to take into account
of the additional questions asked on weekly pay from main job/wages as part of training (not asked in W2).

compute ypappjobpay = -97.
variable label ypappjobpay "Weekly pay for YP from main job/wages as part of training".

if Period1_W3_YP>12 ypappjobpay=-3.

if ((Fixra_POUNDS_W3_YP=-1) or (Hours1_W3_YP=-1) or (Fixhr_W3_YP=-1) or  (Pay1_W3_YP=-1 and Fixhr_W3_YP=2))
ypappjobpay= -1.
if ((Fixra_POUNDS_W3_YP=-92) or (Hours1_W3_YP=-92) or (Fixhr_W3_YP=-92) or (Pay1_W3_YP=-92 and
Fixhr_W3_YP=2)) ypappjobpay= -92.

if (Period1_W3_YP = 1) & (Pay1_W3_YP > -1) ypappjobpay = Pay1_W3_YP.
if (Period1_W3_YP = 2) & (Pay1_W3_YP > -1) ypappjobpay = Pay1_W3_YP/2.
if (Period1_W3_YP = 5) & (Pay1_W3_YP > -1) ypappjobpay = Pay1_W3_YP*12/52.

if (Fixhr_W3_YP=1 & Hours1_W3_YP > -1 & Fixra_POUNDS_W3_YP > -1 & Fixra_PENCE_W3_YP > -1) ypappjobpay=
   (Hours1_W3_YP * (Fixra_POUNDS_W3_YP+(Fixra_PENCE_W3_YP/100))).

if Fixhr_W3_YP<-1 ypappjobpay=Fixhr_W3_YP.
```

```
exe.
VALUE LABELS ypappjobpay
-1 "Don't know"
-3 "Can't calculate - irregular time period"
-92 "Refused"
-99 "YP not interviewed"
-91 "Not applicable".

compute yppay= -97.
if (ypholspay=-99 and yptermpay=-99) yppay = -99.
if (ypholspay=-91 and yptermpay=-91) yppay = -91.
if (ypholspay=-1 or yptermpay=-1) yppay = -1.
if (ypholspay=-92 or yptermpay=-92) yppay = -92.
if (ypholspay>-1 and yptermpay>-1) yppay = ((ypholspay*13) + (yptermpay*39)).
if (WheJob_W3_YP=1 & yptermpay > -1) yppay = (yptermpay*39).
if (WheJob_W3_YP=2 & ypholspay > -1) yppay = (ypholspay*13).
if ypappjobpay>=0 yppay=ypappjobpay*52.

VALUE LABELS yppay
-1 "Don't know"
-92 "Refused"
-99 "YP not interviewed"
-91 "Not applicable".
exe.

compute YPPay_W3_DER = -97.
If (yppay >-1 and yppay <250) YPPay_W3_DER = 1.
If (yppay >249 and yppay <500) YPPay_W3_DER = 2.
If (yppay >499 and yppay <750) YPPay_W3_DER = 3.
If (yppay >749 and yppay <1000) YPPay_W3_DER = 4.
If (yppay >999 and yppay <1500) YPPay_W3_DER = 5.
If (yppay >1499) YPPay_W3_DER = 6.
If (yppay >=2000) YPPay_W3_DER = 7.
If (yppay >=3000) YPPay_W3_DER = 8.

if (yppay<0) YPPay_W3_DER = yppay.

VALUE LABELS YPPay_W3_DER
1 "Under £250"
2 "£250 - £499"
3 "£500 - £749"
4 "£750 - £999"
5 "£1000- £1499"
6 "£1500 - £1999"
7 "£2000-£2999"
8 "£3000 or over"
-1 "Don't know"
-92 "Refused"
-99 "YP not interviewed"
```

-91 "Not applicable"
-97 "Data missing due to technical issue".
variable labels YPPay_W3_DER "Banded approximate YP annual pay".

Source variable	Variable label	Source file
JobEarn_W3_YP	How much money YP earns each week through part-time work during term-time	Main File – Secure access
Fixrat_POUNDS_W3_YP	YP fixed hourly rate during term time - POUNDS	Main File – Secure access
JobTime_W3_YP	During term time, how many hours per week YP works in this job on average	Main File
Fixhrt_W3_YP	Whether YP is paid on an hourly basis during term time	Main File
Fixrat_PENCE_W3_YP	YP fixed hourly rate during term time - PENCE	Main File – Secure access
JobEarn2_W3_YP	How much money YP earns each week through part-time work during school holidays	Main File – Secure access
Fixrah_POUNDS_W3_YP	YP fixed hourly rate during school holidays - POUNDS	Main File
JobHols_W3_YP	During school holidays, how many hours per week YP works in this job on average	Main File
Fixhrh_W3_YP	Whether YP is paid on an hourly basis during school holidays	Main File
Fixrah_PENCE_W3_YP	YP fixed hourly rate during school holidays - PENCE	Main File
WheJob_W3_YP	When YP does this paid work	Main File
Period1_W3_YP	Time period YP's take home pay covers	Main File – Secure access
Fixra_POUNDS_W3_YP	YP basic hourly rate - POUNDS	Main File – Secure access
Fixra_PENCE_W3_YP	YP basic hourly rate - PENCE	Main File – Secure access
Hours1_W3_YP	Number of hours YP usually works each week, including overtime	Main File
Fixhr_W3_YP	Whether YP is paid a fixed hourly rate	Main File
Pay1_W3_YP	YP take home pay the last time they were paid	Main File – Secure access

3.2 YPIncome_W3_DER	**"Banded approximate YP annual income"**
Value labels: 1 'Under £100' 2 '£100 - £199.99' 3 '£200 - £299.99' 4 '£300 - £399.99' 5 '£400 - £499.99' 6 '£500 - £599.99' 7 '£600 - £699.99' 8 '£700 - £799.99' 9 '£800 - £899.99' 10 '£900 - £999.99' 11 '£1000 - £1499.99' 12 '£1500 -£1999.99' 13 '£2000-£2999.99' 14 '£3000 or over'	**Missing value labels:** -99 'YP not interviewed' -92 'Refused' -91 'Not applicable' -3 'Not possible to calculate'

Description of variable:

This variable calculates the banded approximate annual income of the YP, combining their income from jobs and pocket money.

Derivation:

The derivation of YPPay is included above in the syntax for YPPay_W3_DER and not repeated here.

SPSS Code:

```
Compute PocketMoney = 0.
exe.
If (PocMonP_W3_YP = 1 & PocMonA_W3_YP > 0) PocketMoney = (PocMonA_W3_YP*7).
If (PocMonP_W3_YP = 2 & PocMonA_W3_YP > 0) PocketMoney = PocMonA_W3_YP.
If (PocMonP_W3_YP = 3 & PocMonA_W3_YP > 0) PocketMoney = (PocMonA_W3_YP/2).
If (PocMonP_W3_YP = 4 & PocMonA_W3_YP > 0) PocketMoney = (PocMonA_W3_YP/(52/12)).
If (PocMonP_W3_YP = 5 & PocMonA_W3_YP > 0) PocketMoney = -3.
If (PocMonP_W3_YP = 6 & PocMonA_W3_YP > 0) PocketMoney = -3.
If (PocMonP_W3_YP = 7 & PocMonA_W3_YP > 0) PocketMoney = -3.
If (PocMonP_W3_YP = 8 & PocMonA_W3_YP > 0) PocketMoney = -3.
If (PocMonP_W3_YP = 9 & PocMonA_W3_YP > 0) PocketMoney = (PocMonA_W3_YP/(52/6)).
If (PocMonP_W3_YP = 10 & PocMonA_W3_YP > 0) PocketMoney = (PocMonA_W3_YP*2.5).
If (PocMonP_W3_YP = 11 & PocMonA_W3_YP > 0) PocketMoney = -3.
If (PocMonP_W3_YP = 12 & PocMonA_W3_YP > -1) PocketMoney = -3.
If (PocMonP_W3_YP < 0) PocketMoney = PocMonP_W3_YP.
If (PocMonA_W3_YP < 0) PocketMoney = PocMonA_W3_YP.

compute ypincome = -97.
```

```
if (yppay>-1 and PocketMoney>-1) ypincome = (yppay + (PocketMoney*52)).
if (PocketMoney=-91 and yppay>-1) ypincome = yppay.
if (PocketMoney>-1 and yppay=-91) ypincome = (PocketMoney*52).
if (PocketMoney=-3) ypincome = -3.
if (PocketMoney=-1 or yppay=-1) ypincome = -1.
if (PocketMoney=-92 or yppay=-92) ypincome = -92.
If (PocketMoney=-3 and (yppay=-1 or yppay=-91))  ypincome = -1.
If (PocketMoney=-3 and  yppay=-92)  ypincome = -92.
if (PocketMoney=-99 and yppay=-99) ypincome = -99.
if (PocketMoney=-91 and yppay=-91) ypincome = -91.

VALUE LABELS ypincome
-1 "Don't know"
-92 "Refused"
-99 "YP not interviewed"
-91 "Not applicable" -3 "Not possible to calculate".
exe.

compute YPIncome_W3_DER = -97.
If (ypincome >-1 and ypincome <100) YPIncome_W3_DER = 1.
If (ypincome >99.99 and ypincome <200) YPIncome_W3_DER = 2.
If (ypincome >199.99 and ypincome <300) YPIncome_W3_DER = 3.
If (ypincome >299.99 and ypincome <400) YPIncome_W3_DER = 4.
If (ypincome >399.99 and ypincome <500) YPIncome_W3_DER = 5.
If (ypincome >499.99 and ypincome <600) YPIncome_W3_DER = 6.
If (ypincome >599.99 and ypincome <700) YPIncome_W3_DER = 7.
If (ypincome >699.99 and ypincome <800) YPIncome_W3_DER = 8.
If (ypincome >799.99 and ypincome <900) YPIncome_W3_DER = 9.
If (ypincome >899.99 and ypincome <1000) YPIncome_W3_DER = 10.
If (ypincome >999.99 and ypincome <1500) YPIncome_W3_DER = 11.
If (ypincome >1499.99) YPIncome_W3_DER = 12.
If (ypincome >=2000) YPIncome_W3_DER = 13.
If (ypincome >=3000) YPIncome_W3_DER = 14.

if (ypincome<0)  YPIncome_W3_DER = ypincome.

VALUE LABELS YPIncome_W3_DER
1 "Under £100"
2 "£100 - £199.99"
3 "£200 - £299.99"
4 "£300 - £399.99"
5 "£400 - £499.99"
6 "£500 - £599.99"
7 "£600 - £699.99"
8 "£700 - £799.99"
9 "£800 - £899.99"
10 "£900 - £999.99"
11 "£1000- £1499.99"
12 "£1500 -£1999.99"
```

```
13 "£2000-£2999.99"
14 "£3000 or over"
-1 "Don't know"
-92 "Refused"
-99 "YP not interviewed"
-91 "Not applicable"
 -3 "Not possible to calculate".
exe.
add value labels YPIncome_W3_DER -97 "Data missing due to technical issue".

variable labels YPIncome_W3_DER "Banded approximate YP annual income".
EXECUTE.
```

Source variable	Variable label	Source file
JobEarn_W3_YP	How much money YP earns each week through part-time work during term-time	Main File – Secure access
Fixrat_POUNDS_W3_YP	YP fixed hourly rate during term time - POUNDS	Main File – Secure access
JobTime_W3_YP	During term time, how many hours per week YP works in this job on average	Main File
Fixhrt_W3_YP	Whether YP is paid on an hourly basis during term time	Main File
Fixrat_PENCE_W3_YP	YP fixed hourly rate during term time - PENCE	Main File – Secure access
JobEarn2_W3_YP	How much money YP earns each week through part-time work during school holidays	Main File – Secure access
Fixrah_POUNDS_W3_YP	YP fixed hourly rate during school holidays - POUNDS	Main File
JobHols_W3_YP	During school holidays, how many hours per week YP works in this job on average	Main File
Fixhrh_W3_YP	Whether YP is paid on an hourly basis during school holidays	Main File
Fixrah_PENCE_W3_YP	YP fixed hourly rate during school holidays - PENCE	Main File
WheJob_W3_YP	When YP does this paid work	Main File
Period1_W3_YP	Time period YP's take home pay covers	Main File – Secure access
Fixra_POUNDS_W3_YP	YP basic hourly rate - POUNDS	Main File – Secure access
Fixra_PENCE_W3_YP	YP basic hourly rate - PENCE	Main File – Secure access
Hours1_W3_YP	Number of hours YP usually works each week, including overtime	Main File
Fixhr_W3_YP	Whether YP is paid a fixed hourly rate	Main File
Pay1_W3_YP	YP take home pay the last time they were paid	Main File – Secure access
PocMonP_W3_YP	How often YP receives pocket money	Main File
PocMonA_W3_YP	How much pocket money YP receives – POUNDS	Main File – Secure access

4. Attitudes to school

4.1 Atttosch_W3_DER	**"Level of positive attitude to school for YP"**
Value labels: Numeric	**Missing value labels:** -99 'YP not interviewed' -95 'Unable to be calculated – too little information' -91 'Not applicable'

Description of variable:

This variable calculates the level of positive attitude to school of the YP.

Derivation:

The methodology is not the same as that used for Schlatt_W3_DER. The derivation is the same as W2 except that YYS3 was not asked at W3.

SPSS Code:

```
recode YYS2_W3_YP (1 = 3) (2 = 2) (3 = 1) (4 = 0) (else = copy) into YYS2.
recode YYS4_W3_YP (1 = 3) (2 = 2) (3 = 1) (4 = 0) (else = copy) into YYS4.
recode YYS5_W3_YP  (1 = 3) (2 = 2) (3 = 1) (4 = 0) (else = copy) into YYS5.
recode YYS6_W3_YP  (1 = 3) (2 = 2) (3 = 1) (4 = 0) (else = copy) into YYS6.
recode YYS9_W3_YP  (1 = 3) (2 = 2) (3 = 1) (4 = 0) (else = copy) into YYS9.
recode YYS10_W3_YP  (1 = 3) (2 = 2) (3 = 1) (4 = 0) (else = copy) into YYS10.
recode YYS12_W3_YP  (1 = 3) (2 = 2) (3 = 1) (4 = 0) (else = copy) into YYS12.
recode YYS1_W3_YP (1 = 0) (2 = 1) (3 = 2) (4 = 3) (else = copy) into YYS1.
recode YYS7_W3_YP (1 = 0) (2 = 1) (3 = 2) (4 = 3) (else = copy) into YYS7.
recode YYS8_W3_YP (1 = 0) (2 = 1) (3 = 2) (4 = 3) (else = copy) into YYS8.
EXECUTE.

count numYYS = YYS2
YYS4
YYS5
YYS6
YYS9
YYS10
YYS12
YYS1
YYS7
YYS8 (0 thru 3).

recode YYS2
YYS4
```

```
YYS5
YYS6
YYS9
YYS10
YYS12
YYS1
YYS7
YYS8 (-1 = 0).
EXECUTE.

compute atttosch_W3_DER = (YYS2 +
YYS4 +
YYS5 +
YYS6 +
YYS9 +
YYS10 +
YYS12 +
YYS1 +
YYS7 +
YYS8)/(3*numYYS).

if numYYS < 6 atttosch_W3_DER = -95.
if YYS2 = -99 atttosch_W3_DER = -99.
if YYS2 = -91 atttosch_W3_DER = -91.

variable labels atttosch_W3_DER "Level of positive attitude to school for YP".
value labels atttosch_W3_DER -99 "YP not interviewed" -91 "Not applicable" -95 "Unable to be calculated - too little
information".

formats  atttosch_W3_DER  (f5.2).
```

Source variable	Variable label	Source file
YYS1_W3_YP	YP agreement - School is a waste of time	Main File
YYS2_W3_YP	YP agreement - School work is worth doing	Main File
YYS4_W3_YP	YP agreement - People think my school is a good school	Main File
YYS5_W3_YP	YP agreement - On the whole I like being at school	Main File
YYS6_W3_YP	YP agreement - I work as hard as I can in school	Main File
YYS7_W3_YP	YP agreement - I am bored in lessons	Main File
YYS8_W3_YP	YP agreement - The work I do in lessons is a waste of time	Main File
YYS9_W3_YP	YP agreement - The work I do in lessons is interesting to me	Main File
YYS10_W3_YP	YP agreement - I get good marks for my work	Main File
YYS12_W3_YP	YP agreement - I feel safe in school	Main File

4.2 Schlatt_W3_DER	**"School Attitudes (high=positive)"**
Value labels: Numeric	**Missing value labels:** -99 'YP not interviewed' -91 'Not applicable' -1 'Don't know'

Description of variable:

This school attitudes variable calculates the level of positive attitude to school of YP on a scale of 0-21. The derivation is similar to the W2 variable of the same name which was derived for use in the W2 RR (Research Report).

Derivation:

The methodology is not the same as that used for Atttosch_W3_DER. The derivation is the same as W2 except that YYS3 was not asked at W3.

SPSS Code:

```
recode YYS1_W3_YP  YYS7_W3_YP YYS8_W3_YP(else=copy) into W3yysAypr  W3yysFypr W3yysGypr.
recode YYS2_W3_YP YYS5_W3_YP YYS6_W3_YP YYS9_W3_YP(1=4)(2=3)(3=2)(4=1)(else=copy) into
 W3yysBypr W3yysDypr W3yysEypr W3yysHypr.
variable labels W3yysAypr "DV: School is a waste of time for me (high=positive)"
/W3yysBypr "DV: School work is worth doing (high=positive)"
/W3yysDypr "DV: On the whole I like being at school (high=positive)"
/W3yysEypr "DV: I work as hard as I can (high=positive)"
/W3yysFypr "DV: I am bored in lessons (high=positive)"
/W3yysGypr "DV: The work I do in lessons is a waste of time (high=positive)"
/W3yysHypr "DV: The work I do in lessons is interesting to me (high=positive)".

compute Schlatt_W3_DER=W3yysAypr+W3yysBypr+W3yysDypr+W3yysEypr+W3yysFypr
+W3yysGypr+W3yysHypr.
do repeat x=W3yysAypr to W3yysHypr.
if any (x,-99)Schlatt_W3_DER=-99.
if any (x,-91)Schlatt_W3_DER=-91.
if any (x,-1)Schlatt_W3_DER=-1.
end repeat print.

if Schlatt_W3_DER>=7 Schlatt_W3_DER=Schlatt_W3_DER-7.
execute.
variable labels Schlatt_W3_DER "School Attitudes (high=positive)".
value labels Schlatt_W3_DER -1"Don't know" -91 "Not applicable" -99"YP not interviewed".
```

Source variable	**Variable label**	**Source file**

YYS1_W3_YP	YP agreement - School is a waste of time	Main File
YYS2_W3_YP	YP agreement - School work is worth doing	Main File
YYS5_W3_YP	YP agreement - On the whole I like being at school	Main File
YYS6_W3_YP	YP agreement - I work as hard as I can in school	Main File
YYS7_W3_YP	YP agreement - I am bored in lessons	Main File
YYS8_W3_YP	YP agreement - The work I do in lessons is a waste of time	Main File
YYS9_W3_YP	YP agreement - The work I do in lessons is interesting to me	Main File

5. Risk factors

5.1 Risk_W3_DER	**"Number of risk factors acknowledged by YP"**
Value labels: Numeric	**Missing value labels:** -99 'YP not interviewed' -91 'Not applicable'

Description of variable:

This variable calculates the number of risk factors the YP acknowledges having been involved in. This variable is not defined the same way as the Risk_short/Risk_NoAlc etc variables.

Derivation:

The methodology is the same as that for Risk_W2_DER. The same risk factors are included. ECigs are not included.

SPSS Code:

```
compute drinking = 0.
if Alch3_W3_YP = 4 or Alch3_W3_YP = 5 or Bingednk_W3_YP = 1 drinking = 1.
exe.
compute vandalism = 0.
if Spray_W3_YP = 1 or Smash_W3_YP = 1 vandalism = 1.
exe.
compute fighting = 0.
if Fight_W3_YP = 1 or Fight2_W3_YP = 1 or Knife_W3_YP = 1 fighting = 1.
execute.


Count Risk_W3_DER =
CigFreq_W3_YP (4,5,6)
drinking
Dru3_W3_YP
Truant_W3_YP
vandalism
Shop_W3_YP
fighting
Cgangse_W3_YP (1).

if CigFreq_W3_YP = -91 Risk_W3_DER = -91.
if ypcomp_W3_DER = 2 Risk_W3_DER = -99.

variable labels Risk_W3_DER "Number of risk factors acknowledged by YP".
value labels Risk_W3_DER -91 "Not applicable" -99 "YP not interviewed".
```

Source variable	Variable label	Source file
Alch3_W3_YP	How often YP usually has an alcoholic drink	Main File
Bingednk_W3_YP	Whether YP has ever been really drunk	Main File – Secure access
Spray_W3_YP	Whether, in the last 12 months, YP has written things or sprayed paint on a building, fence, train etc	Main File
Smash_W3_YP	Whether, in the last 12 months, YP has damaged anything in a public place that didn't belong to them on purpose	Main File
Fight_W3_YP	Whether YP has ever hit or attacked anyone on purpose with an object or weapon	Main File
Fight2_W3_YP	Whether YP has ever hit or attacked anyone WITHOUT using an object or weapon	Main File
Knife_W3_YP	Whether YP has ever carried a knife or other weapon	Main File
CigFreq_W3_YP	Frequency of smoking	Main File
Dru3_W3_YP	Whether YP has ever tried cannabis	Main File
Shop_W3_YP	Whether YP has ever shoplifted	Main File
Cgangse_W3_YP	Whether YP is a member of a street gang	Main File
YPcomp_W3_DER	Whether the young person completed the interview	Main File

5.2 Risk_IncECig_W3_DER	**"Number of risk factors acknowledged by YP (including ECigs)"**
Value labels: Numeric	**Missing value labels:** -99 'YP not interviewed' -91 'Not applicable'

Description of variable:

This variable calculates the number of risk factors the YP acknowledges having been involved in including ECigs.

Derivation:

As for Risk_W3_DER, but including ECig use alongside traditional cigarettes (ie not counting as an additional risk factor).

SPSS Code:

```
Compute CigOrECigtempB_w3=2.
if any(CigFreq_W3_YP,4,5,6) or any(Ecig1_W3_YP,4,5) CigOrECigtempB_w3=1.

Count Risk_IncECig_W3_DER =
CigOrECigtempB_w3
drinking
Dru3_W3_YP
Truant_W3_YP
vandalism
Shop_W3_YP
fighting
Cgangse_W3_YP (1).

if CigFreq_W3_YP = -91 Risk_IncECig_W3_DER = -91.
if ypcomp_W3_DER = 2 Risk_IncECig_W3_DER = -99.

variable labels Risk_IncECig_W3_DER "Number of risk factors acknowledged by YP ".
value labels Risk_IncECig_W3_DER -91 "Not applicable" -99 "YP not interviewed".
```

Source variable	**Variable label**	**Source file**
Alch3_W3_YP	How often YP usually has an alcoholic drink	Main File
Bingednk_W3_YP	Whether YP has ever been really drunk	Main File – Secure access
Spray_W3_YP	Whether, in the last 12 months, YP has written things or sprayed	Main File

	paint on a building, fence, train etc	
Smash_W3_YP	Whether, in the last 12 months, YP has damaged anything in a public place that didn't belong to them on purpose	Main File
Fight_W3_YP	Whether YP has ever hit or attacked anyone on purpose with an object or weapon	Main File
Fight2_W3_YP	Whether YP has ever hit or attacked anyone WITHOUT using an object or weapon	Main File
Knife_W3_YP	Whether YP has ever carried a knife or other weapon	Main File
CigFreq_W3_YP	Frequency of smoking	Main File
Ecig1_W3_YP	Whether YP ever used e-cigarettes	Main File
Dru3_W3_YP	Whether YP has ever tried cannabis	Main File
Shop_W3_YP	Whether YP has ever shoplifted	Main File
Cgangse_W3_YP	Whether YP is a member of a street gang	Main File
YPcomp_W3_DER	Whether the young person completed the interview	Main File

5.3 TruantYP_W3_DER	**“Whether YP played truant in last 12 months with longest spell”**
Value labels: 1 'Did not play truant' 2 'Played truant for particular lessons, odd day or odd lesson' 3 'Played truant for several days at a time' 4 'Played truant for weeks at a time'	**Missing value labels:** -99 'YP not interviewed' -92 'Refused' -91 'Not applicable' -2 ‘Played truant but don't know or refused to give time period’ -1 'Don’t know'

Description of variable:

This variable shows whether the YP played truant in last 12 months and if so the longest spell. It is similar to the W2 version that was derived for use in the W2 Research Report.

Derivation:

SPSS Code:

```
recode Truant_W3_YP (1=2)(2=1)(else=copy) into TruantYP_W3_DER.
if Truant1_W3_YP=1 TruantYP_W3_DER=4.
if Truant1_W3_YP=2 TruantYP_W3_DER=3.
if any (Truant1_W3_YP,3,4) TruantYP_W3_DER=2.
if any(Truant1_W3_YP,-92,-1) TruantYP_W3_DER=-2.
execute.
variable labels TruantYP_W3_DER 'Whether YP played truant in last 12 months with longest spell'.
value labels TruantYP_W3_DER
-99 'YP not interviewed'
-92 'Refused'
-91 'Not applicable'
-2 "Played truant but don't know or refused to give time period"
-1 “Don’t know”
1 'Did not play truant'
2 'Played truant for particular lessons, odd day or odd lesson'
3 'Played truant for several days at a time'
4 'Played truant for weeks at a time'.
```

Source variable	**Variable label**	**Source file**
Truant_W3_YP	Whether YP has played truant since the last interview	Main File
Truant1_W3_YP	The longest time YP has played truant for since the last interview	Main File

5.4 TruantP_W3_DER	**“Whether parents kept YP off school”**
Value labels: 1 'Did not keep off school' 2 'Less often than once a month' 3 'Once or twice a month' 4 'Every week'.	**Missing value labels:** -99 'YP not interviewed' -92 'Refused' -91 'Not applicable' -2 ‘Kept off school but don't know or refused to give time period’ -1 ‘Don’t know'

Description of variable:

This variable shows whether parents kept the YP off school and if so how often. It is similar to the W2 version that was derived for use in the W2 Research Report.

Derivation:

SPSS Code:

```
recode Truant3_W3_YP (1=2)(2=1)(else=copy) into TruantP_W3_DER.
if Truant4_W3_YP=1 TruantP_W3_DER=4.
if Truant4_W3_YP=2 TruantP_W3_DER=3.
if Truant4_W3_YP=3 TruantP_W3_DER=2.
if any(Truant4_W3_YP,-92,-1) TruantP_W3_DER=-3.
execute.
variable labels TruantP_W3_DER 'Whether parents kept YP off school'.
value labels TruantP_W3_DER
-99 'YP not interviewed'
-92 'Refused'
-91 'Not applicable'
-2 "Kept off school but don't know or refused to give time period"
-1 '"Don’t know”
1 'Did not keep off school'
2 'Less often than once a month'
3 'Once or twice a month'
4 'Every week'.
```

Source variable	**Variable label**	**Source file**
Truant3_W3_YP	Whether parents have kept YP off school since the last interview	Main File
Truant4_W3_YP	How often parents kept YP off school since the last interview	Main File

5.5 ExcludeMP_W3_DER	**“Whether suspended or excluded since start of school year (excluded takes precedence)”**
Value labels: 1 'Not suspended or excluded since start of Year 11' 2 'Suspended since start of Year 11’ 3 'Permanently excluded or expelled since start of Year 11’	**Missing value labels:** -99 ‘MP not interviewed’ -91 ‘Not applicable’ -92 ‘Refused question’ -1 ‘Don’t know’

Description of variable:

This variable shows whether the MP said the YP had been suspended or excluded since the start of the school year with exclusions taking precedence.

Derivation:

The same as the variable of the same name at W2.

SPSS Code:

```
recode Suspend_W3_MP (2=1)(1=2)(else=copy) into ExcludeMP_W3_DER.
if Expel_W3_MP=1 ExcludeMP_W3_DER=3.

variable labels ExcludeMP_W3_DER "Whether suspended or excluded since the start of school year (excluded takes precedence)".

value labels ExcludeMP_W3_DER -99 MP Not interviewed
-91 Not applicable
-92 Refused question
-1 Don’t know
1 'Not suspended or excluded since start of Year 11'
2 'Suspended since start of Year 11'
3 'Permanently excluded or expelled since start of Year 11'.
```

Source variable	**Variable label**	**Source file**
Suspend_W3_MP	Whether YP has been suspended, since the beginning of Year 11	Main File
Expel_W3_MP	Whether YP has been expelled, since the beginning of Year 11	Main File

5.6 Cig_W3_DER	**“Smoking report”**
Value labels: 1 ‘Never smoked’ 2 ‘Smoked but refuses or doesn't know frequency’ 3 ‘Only ever tried once’ 4 ‘Used to smoke but never nowadays’ 5 ‘Sometimes but not as many as 1 a week’ 6 ‘Usually between 1 and 6 a week’ 7 ‘Usually more than 6 a week’	**Missing value labels:** -99 ‘Not interviewed’ -92 ‘Refused to answer ever smoke nowadays’ -91 ‘Not applicable’ -1 ‘Don't know response to ever smoke nowadays’

Description of variable:

This variable records YP’s reported smoking.

Derivation:

The derivation is consistent with the W2 variable of the same name which was derived for use in the W2 RR (Research Report).

SPSS Code:

```
recode Cignow_W3_YP (-99 thru -1=copy)(2=0)(else=-9) into Cig_W3_DER.
if CigFreq_W3_YP=1 Cig_W3_DER=1.
if Cignow_W3_YP = 1 and (CigFreq_W3_YP=-92 or CigFreq_W3_YP=-1) Cig_W3_DER=2.
if CigFreq_W3_YP=2 Cig_W3_DER=3.
if CigFreq_W3_YP=3 Cig_W3_DER=4.
if CigFreq_W3_YP=4 Cig_W3_DER=5.
if CigFreq_W3_YP=5 Cig_W3_DER=6.
if CigFreq_W3_YP=6 Cig_W3_DER=7.
variable labels Cig_W3_DER 'Smoking report'.
value labels Cig_W3_DER
-99 Not interviewed
-92 Refused to answer ever smoke nowadays
-91 Not applicable
-1 "Don't know response to ever smoke nowadays"
1 Never smoked
2 "Smoked but refuses or doesn't know frequency"
3 Only ever tried once
4 Used to smoke but never nowadays
5 Sometimes but not as many as 1 a week
6 Usually between 1 and 6 a week
7 Usually more than 6 a week.
```

Source variable	**Variable label**	**Source file**

Cignow_W3_YP	Whether YP smokes cigarettes at all nowadays	Main File
CigFreq_W3_YP	Frequency of smoking	Main File

5.7 Alcohol_W3_DER	**“Whether YP has drunk and how frequently”**
Value labels: 1 ‘Never’ 2 ‘Has drunk but not in last 12 months’ 3 ‘Has had drink in last 12months but doesn't know or refused how often’ 4 ‘Once a month or less but within last 12 months’ 5 ‘2-3 times a month’ 6 ‘More often’	**Missing value labels:** -99 ‘Not interviewed’ -92 ‘Refused’ -91 ‘Not applicable’ -1 ‘Don’t know’

Description of variable:

This variable summarises YP’s reported drinking.

Derivation:

The derivation is consistent with the W2 variable of the same name which was derived for use in the W2 RR (Research Report).

SPSS Code:

```
compute Alcohol_W3_DER=99.
do if AlcEver_W3_YP<0.
compute Alcohol_W3_DER=AlcEver_W3_YP.
else if AlcEver_W3_YP=2.
compute Alcohol_W3_DER=1.
else if AlcEver_W3_YP=1.
recode Alch3_W3_YP (-99,-91=COPY)(-1,-92=3)(1=2)(2=4)(3=5)(4,5=6) INTO Alcohol_W3_DER.
end if.
variable labels Alcohol_W3_DER "Whether YP has drunk and how frequently".
value labels Alcohol_W3_DER
-99 YP not interviewed
-92 Refused
-91 Not applicable
-1 Dont know
1 Never
2 "Has drunk but not in last 12 months"
3 "Has had drink in last 12months but doesn't know or refused how often"
4 Once a month or less but within last 12 months
5 2-3 times a month
6 More often.
```

Source variable	**Variable label**	**Source file**
AlcEver_W3_YP	Whether YP has ever had a proper alcoholic drink	Main File

Alch3_W3_YP	How often YP usually has an alcoholic drink	Main File

5.8 Drunk_W3_DER	**“Whether YP gets drunk and how often”**
Value labels: 1 ‘Doesn't drink’ 2 ‘Drinks but never really drunk’ 3 ‘Drinks but doesn't know or refused if really drunk’ 4 ‘Has been really drunk but doesn't know or refused how often’ 5 ‘Has been drunk less than once a month’ 6 ‘Has been drunk monthly’ 7 ‘Has been drunk weekly’ 8 ‘Has been drunk daily or almost daily’	**Missing value labels:** -99 ‘Not interviewed’ -92 ‘Refused’ -91 ‘Not applicable’ -1 ‘Don’t know’

Description of variable:

This variable summarises YP’s reported frequency of getting drunk (if at all). This variable is similar to the version derived for use in the W2 RR (Research Report)

Derivation:

SPSS Code:

```
recode Alcohol_W3_DER (2 thru 6=2)(else=copy) into Drunk_W3_DER.
if Bingednk_W3_YP =-1 or Bingednk_W3_YP=-92 Drunk_W3_DER=3.
if Bingednk1_W3_YP=-1 or Bingednk1_W3_YP=-92 Drunk_W3_DER=4.
if Bingednk1_W3_YP=1 Drunk_W3_DER=5.
if Bingednk1_W3_YP=2 Drunk_W3_DER=6.
if Bingednk1_W3_YP=3 Drunk_W3_DER=7.
if Bingednk1_W3_YP=4 Drunk_W3_DER=8.
variable labels Drunk_W3_DER 'Whether YP gets drunk and how often'.
value labels Drunk_W3_DER
-99 "YP not interviewed"
-92 "Don't want to answer"
-91 "Not applicable"
-1 "Don't know"
1 "Doesn't drink"
2 Drinks but never really drunk
3 "Drinks but doesn't know or refused if really drunk"
4 "Has been really drunk but doesn't know or refused how often"
5 Has been drunk less than once a month
6 Has been drunk monthly
7 Has been drunk weekly
8 Has been drunk daily or almost daily.
```

Source variable	**Variable label**	**Source file**
Alcohol_W3_DER	Whether YP has drunk and how frequently	Main File

Bingednk_W3_YP	Whether YP has ever been really drunk in the last 12 months	Main File – Secure access
Bingednk1_W3_YP	How often YP got really drunk in the last 12 months	Main File – Secure access

5.9 Cannabis_W3_DER	**“Whether YP has had cannabis and how frequently”**
Value labels: 1 ‘Never’ 2 ‘Never use it now or don't know how often use it’ 3 ‘Once a month or less’ 4 ‘2 to 4 times a month’ 5 ‘2 to 3 times a week’ 6 ‘4 plus times a week’	**Missing value labels:** -99 ‘Not interviewed’ -92 ‘Refused’ -91 ‘Not applicable’ -1 ‘Dont know’

Description of variable:

This variable summarises whether YP has had cannabis and how frequently. This variable is similar to the one derived for use in the W2 RR (Research Report).

Derivation:

SPSS Code:

```
compute Cannabis_W3_DER=99.
do if Dru3_W3_YP<0.
compute Cannabis_W3_DER=Dru3_W3_YP.
else if Dru3_W3_YP=2.
compute Cannabis_W3_DER=1.
else if Dru3_W3_YP=1.
recode Dru5_W3_YP (-99 thru -91=COPY) (-1,1=2)(2=3)(3=4)(4=5)(5=6) INTO Cannabis_W3_DER.
end if.
variable labels Cannabis_W3_DER "Whether YP has had cannabis and how frequently".
value labels Cannabis_W3_DER
-99 YP not interviewed
-92 Refused
-91 Not applicable
-1 Dont know
1 Never
2 "Never use it now or don't know how often use it"
3 Once a month or less
4 2 to 4 times a month
5 2 to 3 times a week
6 4 plus times a week.
```

Source variable	**Variable label**	**Source file**
Dru3_W3_YP	Whether YP has ever tried cannabis	Main File
Dru5_W3_YP	How often YP uses cannabis	Main File

5.10 Vandal_W3_DER	**“If YP sprayed or smashed in last 12 months”**
Value labels: 0 ‘No’ 1 ‘Yes - 1’ 2 ‘Yes - both’	**Missing value labels:** -99 ‘Not interviewed’ -91 ‘Not applicable’ -9 ‘Refused or Don't know on 1 or both items’

Description of variable:

This variable records whether YP graffitied or damaged public property in since the last interview. This variable is similar to the W2 version derived for use in the W2 RR (Research Report).

Derivation:

SPSS Code:

```
recode Smash_W3_YP (-99,  -91 =copy)(else=0) into Vandal_W3_DER.
do if Vandal_W3_DER>=0.
count Vandal_W3_DER=Spray_W3_YP Smash_W3_YP (1).
end if.
if Spray_W3_YP = -1 or Spray_W3_YP  = -92 or Smash_W3_YP = -1 or Smash_W3_YP = -92 Vandal_W3_DER = -9.
variable labels Vandal_W3_DER 'If YP sprayed or smashed in last 12 months'.
value labels Vandal_W3_DER
-99 YP not interviewed
-91 Not applicable
-9 "Refused or Don't know on 1 or both items"
0 No
1 "Yes - 1"
2 "Yes - both".
```

Source variable	**Variable label**	**Source file**
Smash_W3_YP	Whether, since the last interview, YP has written things or sprayed paint on a building, fence, train etc	Main File
Spray_W3_YP	Whether, since the last interview, YP has damaged anything in a public place that didn't belong to them on purpose	Main File

5.11 Violent _W3_DER	**“If YP says yes to any of 3 violent activities and how many”**
Value labels: 0 ‘No’ 1 ‘Yes - 1’ 2 ‘Yes - 2’ 3 ‘Yes - 3’	**Missing value labels:** -99 ‘Not interviewed’ -91 ‘Not applicable’ -2 ‘Refused or Don't know on 1 or both items’

Description of variable:

This variable records whether YP says yes to any of 3 violent activities and how many. This variable is similar to the W2 version derived for use in the W2 RR (Research Report).

Derivation:

SPSS Code:

```
recode Fight_W3_YP (-99,  -91=copy)(else=0) into Violent_W3_DER.
do if Violent_W3_DER>=0.
count Violent_W3_DER=Fight_W3_YP Fight2_W3_YP Knife_W3_YP (1).
end if.
if any (-1, -92, Fight_W3_YP, Fight2_W3_YP, Knife_W3_YP) Violent_W3_DER = -2.
variable labels Violent_W3_DER 'If YP says yes to any of 3 violent activities and how many'.
value labels Violent_W3_DER
-99 YP not interviewed
-91 Not applicable
-2 "Refused or Don't know on 1 or more items"
0 No
1 "Yes - 1"
2 "Yes - 2"
3 "Yes - 3".
```

Source variable	**Variable label**	**Source file**
Fight_W3_YP	Whether, since the last interview, YP has hit or attacked anyone on purpose with an object or weapon	Main File
Fight2_W3_YP	Whether, since the last interview, YP has ever hit or attacked anyone WITHOUT using an object or weapon	Main File
Knife_W3_YP	Whether, since the last interview, YP has carried a knife or other weapon	Main File

5.12 Risk_short1_W3_DER	**“Number of risk factors acknowledged by YP with fighting”**
Value labels: Numeric	**Missing value labels:** -99 ‘Not interviewed’ -91 ‘Not applicable’ -2 ‘Refused/Don't know/other missing’

Description of variable:

This variable calculates the number of risk factors acknowledged by YP with fighting. This variable is similar to that for W2 derived for use in the W2 RR (Research Report).

Derivation:

SPSS Code:

```
compute Cigtemp_W3=99.
variable labels Cigtemp_W3 "TEMP: Whether YP is a current/frequent smoker".
value labels Cigtemp_W3 -99 'Not interviewed'
-92 'Refused to answer ever smoke nowadays' -91 'Not applicable' -1 'DK response to ever smoke nowadays' 1 'YES' 2 'NO'.
recode Cig_W3_DER (-99 thru -1=COPY)(0, 2, 3=2)(1, 4, 5, 6=1) into Cigtemp_W3.

compute Alctemp_W3=99.
variable labels Alctemp_W3 "TEMP: Whether YP is a current/frequent drinker".
value labels Alctemp_W3 -99 "YP not interviewed" -94 "Has drunk in last 12 months but DK/REF freq"
-92 "Refused" -91 "Not applicable" -1 "Dont know" 1 "Yes (2-3 times a month or more)" 2 "No".
recode Alcohol_W3_DER (-99 THRU -1=COPY)(3=-94)(1 thru 4=2)(5 thru HI=1) into Alctemp_W3.

recode Violent_W3_DER (2,3=1)(0=2)(else=copy) into Violent_Sum.
variable labels Violent_Sum 'If YP says yes to any of 3 violent activities'.
value labels Violent_Sum
-99 YP not interviewed
-91 Not applicable
-9 Refused or DK on 1 or more items
2 No
1 Yes.

recode Cig_W3_DER (-99,  -91=copy)(else=0) into Risk_short1_W3_DER.
fre Risk_short1_W3_DER.
do if Risk_short1_W3_DER=0.
count Risk_short1_W3_DER =  Cigtemp_W3 Alctemp_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP
Violent_Sum (1).
end if.
do rep x=Cigtemp_W3 Alctemp_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP Violent_Sum.
if any (x, -1, -2, -92, -94) Risk_short1_W3_DER = -2.
end rep print.
variable labels Risk_short1_W3_DER "Number of risk factors acknowledged by YP with fighting".
```

value labels Risk_short1_W3_DER -2 "Refused/Don't know/other missing" -91 "Not applicable" -99 "YP not interviewed".

Source variable	**Variable label**	**Source file**
Cig_W3_DER	Smoking report	Main File
Alcohol_W3_DER	Whether YP has drunk and how frequently	Main File
Dru3_W3_YP	Whether YP has ever tried cannabis	Main File
Spray_W3_YP	Whether, since the last interview, YP has written things or sprayed paint on a building, fence, train etc	Main File
Smash_W3_YP	Whether, since the last interview, YP has damaged anything in a public place that didn't belong to them on purpose	Main File
Shop_W3_YP	Whether, since the last interview, YP has shoplifted	Main File
Violent_W3_DER	If YP says yes to any of 3 violent activities and how many	Main File

5.13 Risk_short2_W3_DER	**“Number of risk factors acknowledged by YP without fighting”**
Value labels: Numeric	**Missing value labels:** -99 ‘Not interviewed’ -91 ‘Not applicable’ -2 ‘Refused/Don't know/other missing’

Description of variable:

This variable calculates the number of risk factors acknowledged by YP without fighting. This variable is similar to the W2 version derived for use in the W2 RR (Research Report).

Derivation:

The derivation is the same as Risk_short1_W3_DER except that Violent_W3_DER is excluded. The derivation of the working variables Cigtemp_W3 and Alctemp_W3 is shown in the code for Risk_short1_W3_DER and not repeated here.

SPSS Code:

```
recode Cig_W3_DER (-99,  -91=copy)(else=0) into Risk_short2_W3_DER.
do if Risk_short2_W3_DER=0.
count Risk_short2_W3_DER =  Cigtemp_W3 Alctemp_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP (1).
end if.
do rep x=Cigtemp_W3 Alctemp_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP.
if any (x, -1, -2, -92, -94) Risk_short2_W3_DER = -2.
end rep print.
variable labels Risk_short2_W3_DER "Number of risk factors acknowledged by YP without fighting".
value labels Risk_short2_W3_DER   -2 "Refused/Don't know/other missing" -91 "Not applicable"  -99 "YP not interviewed".
```

Source variable	**Variable label**	**Source file**
Cig_W3_DER	Smoking report	Main File
Alcohol_W3_DER	Whether YP has drunk and how frequently	Main File
Dru3_W3_YP	Whether YP has ever tried cannabis	Main File
Spray_W3_YP	Whether, since the last interview, YP has written things or sprayed paint on a building, fence, train etc	Main File
Smash_W3_YP	Whether, since the last interview, YP has damaged anything in a public place that didn't belong to them on purpose	Main File
Shop_W3_YP	Whether, since the last interview, YP has shoplifted	Main File

5.14 Risk_noalc_W3_DER	**"Number of risk factors acknowledged by YP without alcohol or fighting"**
Value labels: Numeric	**Missing value labels:** -99 'Not interviewed' -91 'Not applicable' -2 'Refused/Don't know/other missing'

Description of variable:

This variable calculates the number of risk factors acknowledged by YP without alcohol or fighting. This variable is similar to the W2 version derived for use in the W2 RR (Research Report).

Derivation:

The derivation is the same as Risk_short1_W3_DER except that Violent_W3_DER is excluded as well as the working variable Alctemp_W3. The derivation of the working variable Cigtemp_W3 is shown in the code for Risk_short1_W3_DER and not repeated here.

SPSS Code:

```
recode Dru3_W3_YP (-99,  -91=copy)(else=0) into Risk_noalc_W3_DER.
do if Risk_noalc_W3_DER=0.
count Risk_noalc_W3_DER =  Cigtemp_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP (1).
end if.
do rep x=Cigtemp_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP.
if any (x, -1, -2, -92, -94) Risk_noalc_W3_DER = -2.
end rep print.
variable labels Risk_noalc_W3_DER "Number of risk factors acknowledged by YP without alcohol or fighting".
value labels Risk_noalc_W3_DER  -2 "Refused/Don't know/other missing"  -91 "Not applicable"  -99 "YP not interviewed".
```

Source variable	**Variable label**	**Source file**
Cig_W3_DER	Smoking report	Main File
Dru3_W3_YP	Whether YP has ever tried cannabis	Main File
Spray_W3_YP	Whether, since the last interview, YP has written things or sprayed paint on a building, fence, train etc	Main File
Smash_W3_YP	Whether, since the last interview, YP has damaged anything in a public place that didn't belong to them on purpose	Main File
Shop_W3_YP	Whether, since the last interview, YP has shoplifted	Main File

5.15 Risk_nocig_W3_DER	**"Number of risk factors acknowledged by YP without smoking or fighting"**
Value labels: Numeric	**Missing value labels:** -99 'Not interviewed' -91 'Not applicable' -2 'Refused/Don't know/other missing'

Description of variable:

This variable calculates the number of risk factors acknowledged by YP without smoking or fighting. This variable is similar to the W2 version derived for use in the W2 RR (Research Report).

Derivation:

The derivation is the same as Risk_short1_W3_DER except that Violent_W3_DER is excluded as well as the working variable Cigtemp_W3. The derivation of the working variable Alctemp_W3 is shown in the code for Risk_short1_W3_DER and not repeated here.

SPSS Code:

```
recode Dru3_W3_YP (-99,  -91=copy)(else=0) into Risk_nocig_W3_DER.
do if Risk_nocig_W3_DER=0.
count Risk_nocig_W3_DER =  Alctemp_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP (1).
end if.
do rep x=Alctemp_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP.
if any (x, -1, -2, -92, -94) Risk_nocig_W3_DER = -2.
end rep print.
variable labels Risk_nocig_W3_DER "Number of risk factors acknowledged by YP without smoking or fighting".
value labels Risk_nocig_W3_DER   -2 "Refused/Don't know/other missing"  -91 "Not applicable"  -99 "YP not interviewed".
```

Source variable	**Variable label**	**Source file**
Alcohol_W3_DER	Whether YP has drunk and how frequently	Main File
Dru3_W3_YP	Whether YP has ever tried cannabis	Main File
Spray_W3_YP	Whether, since the last interview, YP has written things or sprayed paint on a building, fence, train etc	Main File
Smash_W3_YP	Whether, since the last interview, YP has damaged anything in a public place that didn't belong to them on purpose	Main File
Shop_W3_YP	Whether, since the last interview, YP has shoplifted	Main File

5.16 Risk_noalccig_W3_DER	**"Number of risk factors acknowledged by YP without alcohol or smoking or fighting"**
Value labels: Numeric	**Missing value labels:** -99 ‘Not interviewed’ -91 ‘Not applicable’ -2 ‘Refused/Don't know/other missing’

Description of variable:

This variable calculates the number of risk factors acknowledged by YP without alcohol or smoking or fighting. This variable is similar to the W2 version derived for use in the W2 RR (Research Report).

Derivation:

The derivation is the same as Risk_short1_W3_DER except that Violent_W3_DER is excluded as well as the working variables Cigtemp_W3 and Alctemp_W3.

SPSS Code:

```
recode Dru3_W3_YP (-99,  -91=copy)(else=0) into Risk_noalccig_W3_DER.
do if Risk_noalccig_W3_DER=0.
count Risk_noalccig_W3_DER =  Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP (1).
end if.
do rep x=Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP.
if any (x, -1, -2, -92, -94) Risk_noalccig_W3_DER = -2.
end rep print.
variable labels Risk_noalccig_W3_DER "Number of risk factors acknowledged by YP without alcohol or smoking or fighting".
value labels Risk_noalccig_W3_DER  -2 "Refused/Don't know/other missing"  -91 "Not applicable"  -99 "YP not interviewed".
```

Source variable	**Variable label**	**Source file**
Dru3_W3_YP	Whether YP has ever tried cannabis	Main File
Spray_W3_YP	Whether, since the last interview, YP has written things or sprayed paint on a building, fence, train etc	Main File
Smash_W3_YP	Whether, since the last interview, YP has damaged anything in a public place that didn't belong to them on purpose	Main File
Shop_W3_YP	Whether, since the last interview, YP has shoplifted	Main File

5.17 Risk_IncECig_short1_W3_DER	**“Number of risk factors (including ECigs) acknowledged by YP with fighting"**
Value labels: Numeric	**Missing value labels:** -99 ‘Not interviewed’ -91 ‘Not applicable’ -2 ‘Refused/Don't know/other missing’

Description of variable:

This variable calculates the number of risk factors acknowledged by YP with fighting as for Risk_short1_W3_DER, but including e-cigarette use alongside traditional cigarettes (ie. not counting as an additional risk factor).

Derivation:

A new working variable is created (CigOrECigtempA_w3) to be used where Cigtemp_W3 would have been used otherwise. The derivation starts by initialising CigOrECigtempA_w3 as Cigtemp_W3 then recoding it to 1 if there is any current ECig use (ECig1 4 or 5). If the YP reported NOT smoking traditional cigarettes, but did not give a definitive response to ECig1 then this is set to the value of ECig. The derivation then proceeds as for Risk_short1. The derivation of the working variables Violent_Sum and Alctemp_W3 is shown in the code for Risk_short1_W3_DER and not repeated here.

SPSS Code:

```
Compute CigOrECigtempA_w3=Cigtemp_W3.
if any(Ecig1_W3_YP,4,5)   CigOrECigtempA_W3=1.
if CigOrECigtempA_W3=2 and Ecig1_W3_YP<0  CigOrECigtempA_W3=Ecig1_W3_YP.
execute.

recode Cig_W3_DER (-99, -91=copy)(else=0) into Risk_IncECig_short1_W3_DER.
do if Risk_IncECig_short1_W3_DER=0.
count Risk_IncECig_short1_W3_DER =  CigOrECigtempA_W3 Alctemp_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP
Shop_W3_YP Violent_Sum (1).
end if.
do rep x=CigOrECigtempA_W3 Alctemp_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP Violent_Sum.
if any (x, -1, -2, -92, -94) Risk_IncECig_short1_W3_DER = -2.
end rep print.
variable labels Risk_IncECig_short1_W3_DER "Number of Risk factors (including ECigs) acknowledged by YP with fighting".
value labels Risk_IncECig_short1_W3_DER   -2 "Refused/Don't know/other missing"  -91 "Not applicable"  -99 "YP not
interviewed".
```

Source variable	**Variable label**	**Source file**
Ecig1_W3_YP	Whether YP ever used e-cigarettes	Main File
Cig_W3_DER	Smoking report	Main File
Alcohol_W3_DER	Whether YP has drunk and how frequently	Main File

Dru3_W3_YP	Whether YP has ever tried cannabis	Main File
Spray_W3_YP	Whether, since the last interview, YP has written things or sprayed paint on a building, fence, train etc	Main File
Smash_W3_YP	Whether, since the last interview, YP has damaged anything in a public place that didn't belong to them on purpose	Main File
Shop_W3_YP	Whether, since the last interview, YP has shoplifted	Main File
Violent_W3_DER	If YP says yes to any of 3 violent activities and how many	Main File

5.18 Risk_IncECig_short2_W3_DER	**“Number of Risk factors (including ECigs) acknowledged by YP without fighting"**
Value labels: Numeric	**Missing value labels:** -99 ‘Not interviewed’ -91 ‘Not applicable’ -2 ‘Refused/Don't know/other missing’

Description of variable:

This variable calculates the number of risk factors acknowledged by YP without fighting as for Risk_short2_W3_DER, but including e-cigarette use alongside traditional cigarettes (ie. not counting as an additional risk factor).

Derivation:

The derivation is the same as Risk_IncECig_short1_W3_DER except that Violent_W3_DER is excluded.
The derivation of the working variables CigOrECigtempA_W3 is shown in the code for Risk_IncECig_short1_W3_DER and for Alctemp_W3 in the code for Risk_short1_W3_DER and not repeated here.

SPSS Code:

```
recode Cig_W3_DER (-99, -91=copy)(else=0) into Risk_IncECig_short2_W3_DER.
do if Risk_IncECig_short2_W3_DER=0.
count Risk_IncECig_short2_W3_DER =  CigOrECigtempA_W3 Alctemp_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP (1).
end if.
do rep x=CigOrECigtempA_W3 Alctemp_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP.
if any (x, -1, -2, -92, -94) Risk_IncECig_short2_W3_DER = -2.
end rep print.
variable labels Risk_IncECig_short2_W3_DER "Number of Risk factors (including ECigs) acknowledged by YP without fighting".
value labels Risk_IncECig_short2_W3_DER  -2 "Refused/Don't know/other missing"   -91 "Not applicable"  -99 "YP not interviewed".
```

Source variable	**Variable label**	**Source file**
Ecig1_W3_YP	Whether YP ever used e-cigarettes	Main File
Cig_W3_DER	Smoking report	Main File
Alcohol_W3_DER	Whether YP has drunk and how frequently	Main File
Dru3_W3_YP	Whether YP has ever tried cannabis	Main File
Spray_W3_YP	Whether, since the last interview, YP has written things or sprayed paint on a building, fence, train etc	Main File
Smash_W3_YP	Whether, since the last interview, YP has damaged anything in a	Main File

	public place that didn't belong to them on purpose	
Shop_W3_YP	Whether, since the last interview, YP has shoplifted	Main File

5.19 Risk_IncECig_NoAlc_W3_DER	**"Number of Risk factors (including ECigs) acknowledged by YP without alcohol or fighting"**
Value labels: Numeric	**Missing value labels:** -99 'Not interviewed' -91 'Not applicable' -2 'Refused/Don't know/other missing'

Description of variable:

This variable calculates the number of risk factors acknowledged by YP without fighting or alcohol as for Risk_Noalc_W3_DER, but including e-cigarette use alongside traditional cigarettes (ie. not counting as an additional risk factor).

Derivation:

The derivation is the same as Risk_IncECig_short1_W3_DER except that Violent_W3_DER and Alctemp_W3 are excluded. The derivation of the working variable CigOrECigtempA_W3 is shown in the code for Risk_IncECig_short1_W3_DER and not repeated here.

SPSS Code:

```
recode Dru3_W3_YP (-99,  -91=copy)(else=0) into Risk_IncECig_noalc_W3_DER.
do if Risk_IncECig_noalc_W3_DER=0.
count Risk_IncECig_noalc_W3_DER =  CigOrECigtempA_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP (1).
end if.
do rep x=CigOrECigtempA_W3 Dru3_W3_YP Spray_W3_YP Smash_W3_YP Shop_W3_YP.
if any (x, -1, -2, -92, -94) Risk_IncECig_noalc_W3_DER = -2.
end rep print.
variable labels Risk_IncECig_noalc_W3_DER "Number of Risk factors (including ECigs) acknowledged by YP without alcohol or fighting".
value labels Risk_IncECig_noalc_W3_DER   -2 "Refused/Don't know/other missing" -91 "Not applicable"  -99 "YP not interviewed".
```

Source variable	**Variable label**	**Source file**
Ecig1_W3_YP	Whether YP ever used e-cigarettes	Main File
Cig_W3_DER	Smoking report	Main File
Dru3_W3_YP	Whether YP has ever tried cannabis	Main File
Spray_W3_YP	Whether, since the last interview, YP has written things or sprayed paint on a building, fence, train etc	Main File
Smash_W3_YP	Whether, since the last interview, YP has damaged anything in a public place that didn't belong to them on purpose	Main File
Shop_W3_YP	Whether, since the last interview, YP has shoplifted	Main File

5.20 Contact_W3_DER	**“Number of forms of contact with services - parental report”**
Value labels: 0 ‘No contact’ 1 'Had 1 contact' 2 'Had 2 forms of contact' 3 'Had 3 forms of contact' 4 'Had 4 forms of contact'	**Missing value labels:** -99 ‘MP not interviewed/not applicable’ -2 ‘Don't know/Refused’

Description of variable:

This variable calculates the number of forms of contact with services reported by the MP.

Derivation:

SPSS Code:

```
count Contact_W3_DER =
Police1_W3_MP
ServSS_W3_MP
ServEW_W3_MP
ServOth_W3_MP
(1).

if mpcomp_W3_DER = 2 or Police1_W3_MP = -91 Contact_W3_DER = -99.
do rep x=ServSS_W3_MP ServEW_W3_MP ServOth_W3_MP Police1_W3_MP.
if any (x, -1,  -92) Contact_W3_DER = -2.
end rep print.
variable labels Contact_W3_DER "Number of forms of contact with services - parental report".
add value labels Contact_W3_DER -99 "MP not interviewed/not applicable"  -2 "Don't know/Refused"   0 "No contact"  1 'Had
1 contact' 2 'Had 2 forms of contact'
3 'Had 3 forms of contact' 4 'Had 4 forms of contact'.
```

Source variable	**Variable label**	**Source file**
Police1_W3_MP	Whether the police have got in touch with MP or partner about YP, since the last interview	Main File
ServSS_W3_MP	Whether, since last interview, MP has been in touch with their local council's social services because of YP's behaviour	Main File
ServEW_W3_MP	Whether, since last interview, MP has been in touch with educational welfare services because of YP's behaviour	Main File
ServOth_W3_MP	Whether, since last interview, MP	Main File

	has been in touch with any other similar types of services because of YP's behaviour	

5.21 Support_W3_DER	**“If in contact with social, educational, other services - parental report”**
Value labels: 0 ‘No support’ 1 'Had 1 support' 2 ''Had 2 forms of support' 3 'Had 3 forms of support'	**Missing value labels:** -99 ‘MP not interviewed/not applicable’ -2 ‘Don't know/Refused’

Description of variable:

This variable calculates the number of forms of contact with social, educational and other services reported by the MP.

Derivation:

SPSS Code:

```
count Support_W3_DER =
ServSS_W3_MP
ServEW_W3_MP
ServOth_W3_MP (1).

if mpcomp_W3_DER = 2 or ServSS_W3_MP = -91 Support_W3_DER = -99.
do rep x=ServSS_W3_MP ServEW_W3_MP ServOth_W3_MP.
if any (x, -1,  -92) Support_W3_DER = -2.
end rep print.
variable labels Support_W3_DER "If in contact with social, educational, other services - parental report".
add value labels Support_W3_DER -99 "MP not interviewed/not applicable"  -2 "Don't know/Refused"  0 "No support"  1 'Had
1 support' 2 'Had 2 forms of support'
3 'Had 3 forms of support'.
```

Source variable	**Variable label**	**Source file**
ServSS_W3_MP	Whether, since last interview, MP has been in touch with their local council's social services because of YP's behaviour	Main File
ServEW_W3_MP	Whether, since last interview, MP has been in touch with educational welfare services because of YP's behaviour	Main File
ServOth_W3_MP	Whether, since last interview, MP has been in touch with any other similar types of services because of YP's behaviour	Main File

5.22 Support_Add_W3_DER	**“If in contact with social, educational, other services or additional support - parental report”**
Value labels: 0 ‘No support’ 1 'Had 1 support' 2 ''Had 2 forms of support' 3 'Had 3 forms of support' 4 ‘Had 4 forms of support’	**Missing value labels:** -99 ‘MP not interviewed/not applicable’ -2 ‘Don't know/Refused’

Description of variable:

This variable calculates the number of forms of contact with social, educational, other services and additional support reported by the MP.

Derivation:

SPSS Code:

```
count Support_Add_W3_DER =
ServSS_W3_MP
ServEW_W3_MP
ServOth_W3_MP
Addsupp_W3_MP (1).

if mpcomp_W3_DER = 2 or ServSS_W3_MP = -91 Support_add_W3_DER = -99.
do rep x=ServSS_W3_MP ServEW_W3_MP ServOth_W3_MP Addsupp_W3_MP.
if any (x, -1,  -92, -97) Support_add_W3_DER = -2.
end rep print.
variable labels Support_add_W3_DER "If in contact with social, educational, other services or additional support - parental report".
add value labels Support_add_W3_DER -99 "MP not interviewed"  -2 "Don't know/Refused"  0 "No support"  1 'Had 1 support' 2 'Had 2 forms of support'
3 'Had 3 forms of support' 4 'Had 4 forms of support'.
```

Source variable	**Variable label**	**Source file**
ServSS_W3_MP	Whether, since last interview, MP has been in touch with their local council's social services because of YP's behaviour	Main File
ServEW_W3_MP	Whether, since last interview, MP has been in touch with educational welfare services because of YP's behaviour	Main File
ServOth_W3_MP	Whether, since last interview, MP has been in touch with any other similar types of services because	Main File

	of YP's behaviour	
Addsupp_W3_MP	Whether, since the beginning of Year 11, additional support ever been provided for YP because of their behaviour	Main File

6. Bullying

6.1 Bully_last12m_W3_DER	"Whether YP bullied in any way in last 12 months (excluding cyber bullying)"
Value labels: 1 'Yes' 2 'No'	**Missing value labels:** -99 'YP not interviewed' -92 'Refused' -91 'Not applicable' -1 'Don't know'

Description of variable:

This variable shows whether the YP experienced any form of bullying (excluding cyber bullying) in the last 12months. It is similar to the W2 variable of the same name which was derived for use in the W2 Research Report.

Derivation:

SPSS Code:

```
do if Names_W3_YP=-99.
 compute Bully_last12m_W3_DER=-99.
 else if Names_W3_YP=-91.
 compute Bully_last12m_W3_DER=-91.
else if ANY (1,Names_W3_YP,
ExcPal_W3_YP,
Money_W3_YP,
ThHit_W3_YP,
AcHit_W3_YP).
 compute Bully_last12m_W3_DER=1.
 else if Names_W3_YP = 2 AND ExcPal_W3_YP = 2 AND Money_W3_YP = 2 AND ThHit_W3_YP = 2 AND AcHit_W3_YP =
2.
 compute Bully_last12m_W3_DER=2.
 else if ANY(-92,Names_W3_YP,
ExcPal_W3_YP,
Money_W3_YP,
ThHit_W3_YP,
AcHit_W3_YP) AND
~ANY(1,Names_W3_YP,
ExcPal_W3_YP,
Money_W3_YP,
ThHit_W3_YP,
AcHit_W3_YP).
 compute Bully_last12m_W3_DER=-92.
 else if Names_W3_YP = -1 AND ExcPal_W3_YP = -1 AND Money_W3_YP = -1 AND ThHit_W3_YP = -1 AND
AcHit_W3_YP = -1.
 compute Bully_last12m_W3_DER=-92.
 else if ANY(-1,Names_W3_YP,
```

```
ExcPal_W3_YP,
Money_W3_YP,
ThHit_W3_YP,
AcHit_W3_YP) AND
~ANY(1,Names_W3_YP,
ExcPal_W3_YP,
Money_W3_YP,
ThHit_W3_YP,
AcHit_W3_YP).
 compute Bully_last12m_W3_DER=-1.
 end if.
 variable labels Bully_last12m_W3_DER 'Whether YP bullied in any way in last 12 months (excluding cyber bullying)'.
 value labels Bully_last12m_W3_DER
-99 YP not interviewed
-91 Not applicable
-92 Refused
-1 "Don't know"
2 'No'
1 'Yes'.
```

Source variable	**Variable label**	**Source file**
Names_W3_YP	Whether, since the last interview, YP has been called hurtful names by other students	Main File
ExcPal_W3_YP	Whether, since the last interview, YP has been excluded from a group of friends or from joining in activities	Main File
Money_W3_YP	Whether, since the last interview, other students at YP's school have made YP give them money or personal possessions	Main File
ThHit_W3_YP	Whether, since the last interview, other students have THREATENED to hit, kick, or use other forms of violence against YP	Main File
AcHit_W3_YP	Whether, since the last interview, other students have ACTUALLY hit, kicked, or used other forms of violence against YP	Main File

6.2 Bully_last12mcyb_W3_DER	**"Whether YP bullied in any way in last 12 months (including cyber bullying)"**
Value labels: 1 'Yes' 2 'No'	**Missing value labels:** -99 'YP not interviewed' -92 'Refused' -91 'Not applicable' -1 'Don't know'

Description of variable:

This variable shows whether the YP experienced any form of bullying (including cyber bullying) in the last 12months. It is similar to the W2 variable of the same name that was derived for use in the W2 Research Report.

Derivation:

SPSS Code:

```
do if Names_W3_YP=-99.
 compute Bully_last12mcyb_W3_DER=-99.
 else if Names_W3_YP=-91.
 compute Bully_last12mcyb_W3_DER=-91.
else if ANY (1,Names_W3_YP,
ExcPal_W3_YP,
Money_W3_YP,
ThHit_W3_YP,
AcHit_W3_YP,
Cyber_1_W3_YP,
Cyber_2_W3_YP).
 compute Bully_last12mcyb_W3_DER=1.
 else if Names_W3_YP = 2 AND ExcPal_W3_YP = 2 AND Money_W3_YP = 2 AND ThHit_W3_YP = 2 AND AcHit_W3_YP =
2 AND Cyber_3_W3_YP = 1.
 compute Bully_last12mcyb_W3_DER=2.
 else if (ANY(-92,Names_W3_YP,
ExcPal_W3_YP,
Money_W3_YP,
ThHit_W3_YP,
AcHit_W3_YP) OR (Cyber_5_W3_YP = 1)) AND
~ANY(1,Names_W3_YP,
ExcPal_W3_YP,
Money_W3_YP,
ThHit_W3_YP,
AcHit_W3_YP,
Cyber_1_W3_YP,
Cyber_2_W3_YP).
 compute Bully_last12mcyb_W3_DER=-92.
 else if Names_W3_YP = -1 AND ExcPal_W3_YP = -1 AND Money_W3_YP = -1 AND ThHit_W3_YP = -1 AND
AcHit_W3_YP = -1 AND Cyber_4_W3_YP = 1.
 compute Bully_last12mcyb_W3_DER=-92.
```

```
 else if (ANY(-1,Names_W3_YP,
ExcPal_W3_YP,
Money_W3_YP,
ThHit_W3_YP,
AcHit_W3_YP) OR (Cyber_4_W3_YP = 1)) AND
~ANY(1,Names_W3_YP,
ExcPal_W3_YP,
Money_W3_YP,
ThHit_W3_YP,
AcHit_W3_YP,
Cyber_1_W3_YP,
Cyber_2_W3_YP).
 compute Bully_last12mcyb_W3_DER=-1.
 end if.
 variable labels Bully_last12mcyb_W3_DER 'Whether YP bullied in any way in last 12 months (including cyber bullying)'.
 value labels Bully_last12mcyb_W3_DER
-99 YP not interviewed
-91 Not applicable
-92 Refused
-1 "Don't know"
2 'No'
1 'Yes'.
```

Source variable	Variable label	Source file
Names_W3_YP	Whether, since the last interview, YP has been called hurtful names by other students	Main File
ExcPal_W3_YP	Whether, since the last interview, YP has been excluded from a group of friends or from joining in activities	Main File
Money_W3_YP	Whether, since the last interview, other students at YP's school have made YP give them money or personal possessions	Main File
ThHit_W3_YP	Whether, since the last interview, other students have THREATENED to hit, kick, or use other forms of violence against YP	Main File
AcHit_W3_YP	Whether, since the last interview, other students have ACTUALLY hit, kicked, or used other forms of violence against YP	Main File
Cyber_1_W3_YP	Internet - Sources of cyber harassment since the last interview	Main File
Cyber_2_W3_YP	Mobile phone - Sources of cyber harassment since the last interview	Main File
Cyber_3_W3_YP	Neither - Sources of cyber harassment since the last interview	Main File
Cyber_4_W3_YP	Don't know - Sources of cyber harassment since the last interview	Main File
Cyber_5_W3_YP	Refused - Sources of cyber harassment since the last interview	Main File

6.3 Bully_cyber_W2_DER	**“Whether YP experienced any cyber bullying since the last interview”**
Value labels: 1 'Yes' 2 'No'	**Missing value labels:** -99 ‘YP not interviewed’ -92 ‘Refused’ -91 ‘Not applicable’ -1 ‘Don't know’

Description of variable:

This variable shows whether the YP experienced any form of cyber bullying since the W1 interview.

Derivation:

SPSS Code:

```
compute Bully_cyber_W2_DER = Cyber_1_W2_YP.
if Cyber_1_W2_YP = 1 or Cyber_2_W2_YP = 1 Bully_cyber_W2_DER = 1.
if Cyber_3_W2_YP = 1 Bully_cyber_W2_DER = 2.
if Cyber_4_W2_YP = 1 Bully_cyber_W2_DER = -1.
if Cyber_5_W2_YP = 1 Bully_cyber_W2_DER = -92.

variable labels Bully_cyber_W2_DER "Whether YP experienced any cyber bullying since the last interview".
value labels Bully_cyber_W2_DER
2 'No'
1 'Yes'
-1 "Don't know"
-92 Refused
-91 Not applicable
-93 Self-completion section terminated early
-99 YP not interviewed.
fre Bully_cyber_W2_DER.
```

Source variable	**Variable label**	**Source file**
Cyber_1_W2_YP	Internet - Sources of cyber harassment since the last interview	Main File
Cyber_2_W2_YP	Mobile phone - Sources of cyber harassment since the last interview	Main File
Cyber_3_W2_YP	Neither - Sources of cyber harassment since the last interview	Main File
Cyber_4_W2_YP	Don't know - Sources of cyber harassment since the last interview	Main File
Cyber_5_W2_YP	Refused - Sources of cyber harassment since the last interview	Main File

6.4 Rangeofbullyingpar_W3_DER	**“How many types of bullying has YP experienced - parental report”**
Value labels: Numeric	**Missing value labels:** -99 ‘MP not interviewed’ -92 ‘Refused’ -91 ‘Not applicable’ -1 ‘Don't know’

Description of variable:

This variable calculates the number of different types of bullying the parent reported that the YP had experienced

Derivation:

SPSS Code:

```
Count rangeofbullyingpar_W3_DER = PBull1_01_W3_MP
PBull1_02_W3_MP
PBull1_03_W3_MP
PBull1_04_W3_MP
PBull1_05_W3_MP
PBull1_06_W3_MP
PBull1_07_W3_MP
PBull1_08_W3_MP
PBull1_09_W3_MP (1).


if PBull1_11_W3_MP = 1 rangeofbullyingpar_W3_DER = -1.
if PBull1_12_W3_MP = 1 rangeofbullyingpar_W3_DER = -92.
if PBull1_12_W3_MP = -91 rangeofbullyingpar_W3_DER = -91.
if PBull1_12_W3_MP = -99 rangeofbullyingpar_W3_DER  =-99.

variable labels rangeofbullyingpar_W3_DER "How many types of bullying has YP experienced since the last interview - parental report".
value labels rangeofbullyingpar_W3_DER -1 "Don't know" -92 "Refused" -91 "Not applicable" -99 "MP not interviewed" .
```

Source variable	**Variable label**	**Source file**
PBull1_01_W3_MP	Called names by other pupils at school - Bullying YP has experienced since the last interview	Main File
PBull1_02_W3_MP	Been humiliated in front of other pupils (either by a pupil or teacher) - Bullying YP has experienced since the last interview	Main File

PBull1_03_W3_MP	Sent offensive or hurtful text messages or emails - Bullying YP has experienced since the last interview	Main File
PBull1_04_W3_MP	Offensive or hurtful comments posted online (such as on Facebook or Twitter) - Bullying YP has experienced since the last interview	Main File
PBull1_05_W3_MP	Shut out from groups of other pupils or from joining in things - Bullying YP has experienced since the last interview	Main File
PBull1_06_W3_MP	Made to give other pupils money or belongings - Bullying YP has experienced since the last interview	Main File
PBull1_07_W3_MP	Threatened by other pupils with being hit or kicked or with other violence - Bullying YP has experienced since the last interview	Main File
PBull1_08_W3_MP	Actually being hit or kicked or attacked in any other way by other pupils - Bullying YP has experienced since the last interview	Main File
PBull1_09_W3_MP	Any other sort of bullying - Bullying YP has experienced since the last interview	Main File
PBull1_11_W3_MP	Bullying YP has experienced since the last interview - Don't know	Main File
PBull1_12_W3_MP	Bullying YP has experienced since the last interview - Don't want to answer	Main File

6.5 Parbulaware_W3_DER	**“Whether main parent is aware of YP being bullied”**
Value labels: 1 ‘Yes’ 2 ‘No’	**Missing value labels:** -99 ‘MP not interviewed’ -92 ‘Refused’ -91 ‘Not applicable’ -1 ‘Don't know’

Description of variable:

This variable shows whether the MP is aware of the YP being victim to any of PBull1 to 9.

Derivation:

SPSS Code:

```
recode rangeofbullyingpar_W3_DER (0 = 2) (1 thru 9 = 1) (else = copy) into parbulaware_W3_DER.
if PBull1_11_W3_MP = 1 parbulaware_W3_DER = -1.
if PBull1_12_W3_MP = 1 parbulaware_W3_DER = -92.
variable labels parbulaware_W3_DER "Whether main parent is aware of YP being bullied".
value labels parbulaware_W3_DER 1 "Yes" 2 "No" -92 "Refused" -1 "Don't know" -99 "MP not interviewed" -91 "Not applicable".
```

Source variable	**Variable label**	**Source file**
rangeofbullyingpar_W3_DER	How many types of bullying has YP experienced since the last interview - parental report	Main File

7. Sleep

7.1 Sleep1_Hour_W3_YP_DER **7.2 Sleep2_Hour_W3_YP_DER** **7.3 Sleep3_Hour_W3_YP_DER** **7.4 Sleep1Used_W3_DER**	**"Time YP goes to bed on a school night - HOUR - Edited version"** **"Time YP goes to sleep on a school night - HOUR - Edited version"** **"Time YP wakes up on a school day - HOUR - Edited version"** **"Flag indicating whether Sleep1 (time to bed) has been used as a proxy for going time to sleep in edited Sleep2 and Sleep DVs"**
Value labels: 1 'Yes Sleep1 used as proxy' 2 'No/NA'	**Missing value labels:** -99 'YP Not interviewed'

Description of variable:

These variables are edited versions of Sleep1_HOUR_W3_YP, Sleep2_HOUR_W3_YP and Sleep3_HOUR_W3_YP to correct for cases where it seems that the time has incorrectly been entered in the 12 hour clock format to 24 clock format, plus other anomalies. Sleep1Used_W3_DER indicates whether Sleep1 (time to bed) was used as a proxy for going to sleep time in edited Sleep2 and Sleep DVs.

Derivation:

Some specific decisions have been made for editing as explained in the notes in the SPSS code below, therefore the original variables (Sleep1_HOUR_W3_YP, Sleep2_HOUR_W3_YP, Sleep3_HOUR_W3_YP) are still available in the dataset but should be used with caution. The variables are derived in a very similar way to W2 but there are some small variations in the decisions around editing.

SPSS Code:

```
** First deriving edited versions of sleep1/2/3 hours.
** Correcting cases where time entered incorrectly (eg 8 when meaning 8pm so should be 20 or bed time of 14 when should be 2 (am)). Also dealing with other oddities and using sleep1 as a proxy for sleep2 where missing or implausible.

compute Sleep1_HOUR_W3_YP_DER=Sleep1_HOUR_W3_YP.
if range (Sleep1_HOUR_W3_YP,8,11) Sleep1_HOUR_W3_YP_DER=Sleep1_HOUR_W3_YP_DER +12.
execute.

if range(Sleep1_HOUR_W3_YP,12,14) Sleep1_HOUR_W3_YP_DER=Sleep1_HOUR_W3_YP_DER -12.
execute.

compute Sleep2_HOUR_W3_YP_DER=Sleep2_HOUR_W3_YP.
if range(Sleep2_HOUR_W3_YP,8,11) Sleep2_HOUR_W3_YP_DER=Sleep2_HOUR_W3_YP_DER +12.
execute.

if range(Sleep2_HOUR_W3_YP,12,16) Sleep2_HOUR_W3_YP_DER=Sleep2_HOUR_W3_YP_DER -12.
execute.

compute Sleep3_HOUR_W3_YP_DER=Sleep3_HOUR_W3_YP.
if Sleep3_HOUR_W3_YP=18 Sleep3_HOUR_W3_YP_DER=Sleep3_HOUR_W3_YP_DER -12.
execute.
```

```
** Next setting midnight wake up times to -1.

if Sleep3_Hour_W3_YP=0  Sleep3_Hour_W3_YP_DER=-1.

** Setting Sleep3 to -1 for cases where wake up times are in the afternoon.

if range (Sleep3_Hour_W3_YP,12,15)  Sleep3_Hour_W3_YP_DER=-1.

value labels Sleep1_HOUR_W3_YP_DER  Sleep2_HOUR_W3_YP_DER   Sleep3_HOUR_W3_YP_DER   -99 "YP not
interviewed" -1 "Don't know".

variable label Sleep1_HOUR_W3_YP_DER "Time YP goes to bed on a school night - HOUR - Edited".
variable label Sleep2_HOUR_W3_YP_DER "Time YP goes to sleep on a school night - HOUR - Edited".
variable label Sleep3_HOUR_W3_YP_DER "Time YP wakes up on a school day - HOUR - Edited".

FORMATS Sleep1_HOUR_W3_YP_DER  Sleep2_HOUR_W3_YP_DER   Sleep3_HOUR_W3_YP_DER  (F3).

execute.

* Now producing flag showing whether people apparently went to sleep before they went to bed.

compute sleepB4bed=0.
if Sleep2_HOUR_W3_YP_DER=21 and Sleep1_HOUR_W3_YP_DER=22 or
 Sleep2_HOUR_W3_YP_DER=22 and Sleep1_HOUR_W3_YP_DER=23 or
 Sleep2_HOUR_W3_YP_DER=4 and Sleep1_HOUR_W3_YP_DER=5 or
Sleep2_HOUR_W3_YP_DER=22 and Sleep1_HOUR_W3_YP_DER=2 or
Sleep1_HOUR_W3_YP_DER = Sleep2_HOUR_W3_YP_DER and Sleep2_HOUR_W3_YP_DER>=0 and
Sleep2_MINUTE_W3_YP<Sleep1_MINUTE_W3_YP
sleepB4bed=1.
execute.

* flag those apparently getting up the same time they went to sleep.

compute UpSameTimeAsSleep=0.
if Sleep3_HOUR_W3_YP_DER = Sleep2_HOUR_W3_YP_DER and Sleep2_HOUR_W3_YP_DER>=0
and Sleep3_MINUTE_W3_YP = Sleep2_MINUTE_W3_YP and Sleep2_MINUTE_W3_YP>=0 UpSameTimeAsSleep=1.
execute.

**Now deriving a flag which shows whether Sleep1 is being used so we know whether to use Sleep1 minutes in the
calculations.

compute Sleep1Used_W3_DER=2.
if Sleep1_Hour_W3_YP=-99 Sleep1Used_W3_DER=-99.

*Dealing with cases where time going to sleep is missing but time going to bed is given by using Sleep1 as proxy. Also
dealing with those where sleep2 hour is earlier than sleep1 and cases where time to sleep is same as time getting up.

do if (Sleep2_Hour_W3_YP=-1) or sleepB4bed=1 or UpSameTimeAsSleep=1 .
```

```
compute Sleep2_Hour_W3_YP_DER=Sleep1_Hour_W3_YP_DER.
compute Sleep1Used_W3_DER=1.
end if.
execute.

**Setting anyone getting up in the same hour they go to bed so to -1 at Sleep3

compute UpSameHourAsBed=0.
do if Sleep3_HOUR_W3_YP_DER= Sleep1_HOUR_W3_YP_DER and Sleep1_HOUR_W3_YP_DER>=0.
compute UpSameHourAsBed=1.
compute Sleep3_HOUR_W3_YP_DER=-1.
end if.
execute.

variable label Sleep1Used_W3_DER "Flag indicating whether Sleep1 (time to bed)  has been used as a proxy for going time to sleep in edited Sleep2 and Sleep DVs".

value labels Sleep1_Hour_W3_YP_DER   Sleep2_Hour_W3_YP_DER Sleep3_Hour_W3_YP_DER -99 "YP Not interviewed" -91 "Not applicable" -1 "Don't know".
value labels Sleep1Used_W3_DER -99 "YP Not interviewed"  2 "No/NA" 1 "Yes Sleep1 used as proxy".
```

Source variable	**Variable label**	**Source file**
Sleep1_HOUR_W3_YP	Time YP goes to bed on a school night - HOUR	Main File – Secure access
Sleep2_HOUR_W3_YP	Time YP goes to sleep on a school night - HOUR	Main File – Secure access
Sleep3_HOUR_W3_YP	Time YP wakes up on a school day - HOUR	Main File – Secure access
Sleep1_MINUTE_W3_YP	Time YP goes to bed on a school night - MINUTE	Main File – Secure access
Sleep2_MINUTE_W3_YP	Time YP goes to sleep on a school night - MINUTE	Main File – Secure access
Sleep3_MINUTE_W3_YP	Time YP wakes up on a school day - MINUTE	Main File – Secure access

7.5 Sleep_cont_W3_DER	**"Number of hours sleep YP usually gets"**
Value labels: Numeric	**Missing value labels:** -99 'YP not interviewed' -1 'Don't know'

Description of variable:

This variable calculates the number of hours' sleep the YP usually gets on a school night. It draws on the edited versions of the going to bed, going to sleep and getting up times derived above (Sleep2_Hour_W3_YP_DER, Sleep1_Hour_W3_YP_DER, Sleep3_Hour_W3_YP_DER) for use with Sleep1Used_W3_DER which is also referenced here. The syntax for these is included under Sleep1Used_W3_DER and not repeated here. The syntax below follows on from where that for Sleep1Used_W3_DER ends.

Derivation:

SPSS Code:

```
compute sleeptime=99.
recode Sleep1_Hour_W3_YP (-99=COPY) into sleeptime.
if (Sleep2_Hour_W3_YP_DER=-1 OR Sleep3_Hour_W3_YP_DER=-1)sleeptime=-1.
compute sleephours=99.
recode Sleep1_Hour_W3_YP (-99=COPY) into sleephours.
if (Sleep2_Hour_W3_YP_DER=-1 OR Sleep3_Hour_W3_YP_DER=-1)sleephours=-1.
compute wakehrmidday0=99.
recode Sleep1_Hour_W3_YP (-99=COPY) into wakehrmidday0.
if (Sleep2_Hour_W3_YP_DER=-1 OR Sleep3_Hour_W3_YP_DER=-1)wakehrmidday0=-1.
compute sleephrmidday0=99.
recode Sleep1_Hour_W3_YP (-99=COPY) into sleephrmidday0.
if (Sleep2_Hour_W3_YP_DER=-1 OR Sleep3_Hour_W3_YP_DER=-1)sleephrmidday0=-1.
do if sleeptime>=0.
if Sleep2_Hour_W3_YP_DER>12 sleephrmidday0=Sleep2_Hour_W3_YP_DER-12.
if Sleep2_Hour_W3_YP_DER<12 sleephrmidday0=Sleep2_Hour_W3_YP_DER+12.
if Sleep3_Hour_W3_YP_DER>12 wakehrmidday0=Sleep3_Hour_W3_YP_DER-12.
if Sleep3_Hour_W3_YP_DER<12 wakehrmidday0=Sleep3_Hour_W3_YP_DER+12.
end if.

if sleeptime>=0 sleephours=wakehrmidday0-sleephrmidday0.

if sleeptime>=0 & Sleep2_MINUTE_W3_YP>=0 and Sleep3_MINUTE_W3_YP>=0   sleeptime=sleephours-
(Sleep2_MINUTE_W3_YP/60)+(Sleep3_MINUTE_W3_YP/60).
if sleeptime>=0 and Sleep1Used_W3_DER=1 & Sleep1_MINUTE_W3_YP>=0 and Sleep3_MINUTE_W3_YP>=0
   sleeptime=sleephours-(Sleep1_MINUTE_W3_YP/60)+(Sleep3_MINUTE_W3_YP/60).

compute sleep_cont_W3_DER=99.
recode sleeptime (-99,-1=COPY) into sleep_cont_W3_DER.
if sleep_cont_W3_DER=99 and (sleeptime<0 OR sleeptime>15) sleep_cont_W3_DER=-98.
if sleep_cont_W3_DER=99 sleep_cont_W3_DER = sleeptime.
```

variable label sleep_cont_W3_DER "Number of hours sleep YP usually gets".
value labels sleep_cont_W3_DER -99 "YP not interviewed" -1 "Don't know".

formats
sleep_cont_W3_DER (f5.2).

Source variable	Variable label	Source file
Sleep1_HOUR_W3_YP	Time YP goes to bed on a school night - HOUR	Main File – Secure access
Sleep2_HOUR_W3_YP	Time YP goes to sleep on a school night - HOUR	Main File – Secure access
Sleep3_HOUR_W3_YP	Time YP wakes up on a school day - HOUR	Main File – Secure access
Sleep1_MINUTE_W3_YP	Time YP goes to bed on a school night - MINUTE	Main File – Secure access
Sleep2_MINUTE_W3_YP	Time YP goes to sleep on a school night - MINUTE	Main File – Secure access
Sleep3_MINUTE_W3_YP	Time YP wakes up on a school day - MINUTE	Main File – Secure access

7.6 Sleep_W3_DER	**"Number of hours sleep YP usually gets- banded"**
Value labels: Numeric	**Missing value labels:** -99 'YP not interviewed' -1 'Don't know'

Description of variable:

This variable calculates the banded number of hours' sleep the YP usually gets on a school night. It draws on the edited versions of the going to bed, going to sleep and getting up times derived above (Sleep2_Hour_W3_YP_DER, Sleep1_Hour_W3_YP_DER, Sleep3_Hour_W3_YP_DER) for use with Sleep1Used_W3_DER which fed into sleep_cont_W3_DER. The syntax for these is included under Sleep1Used_W3_DER and sleep_cont_W3_DER and not repeated here.

Derivation:

SPSS Code:

```
recode sleep_cont_W3_DER (-99,-98,-1=COPY)(0 THRU 3.99=1)(4 THRU 4.99=2)(5 THRU 5.99=3)(6 THRU 6.99=4)(7 THRU 7.99=5)
(8 THRU 8.99=6)(9 THRU 9.99=7)(10 THRU 10.99=8)(11 THRU HI=9) INTO sleep_W3_DER.
value labels sleep_W3_DER -99 'YP not interviewed' -1 "Don't know" 1 'Less than 4 hours' 2 '4-less than 5 hours' 3 '5- less than 6 hours' 4 '6- less than 7 hours'
5 '7 - less than 8 hours' 6 '8 - less than 9 hours' 7 '9 - less than 10 hours' 8 '10 - less than 11 hours' 9 '11 plus hours'.
variable label sleep_W3_DER "Number of hours sleep YP usually gets- banded".
```

Source variable	**Variable label**	**Source file**
Sleep1_HOUR_W3_YP	Time YP goes to bed on a school night - HOUR	Main File - Secure access
Sleep2_HOUR_W3_YP	Time YP goes to sleep on a school night - HOUR	Main File - Secure access
Sleep3_HOUR_W3_YP	Time YP wakes up on a school day - HOUR	Main File - Secure access
Sleep1_MINUTE_W3_YP	Time YP goes to bed on a school night - MINUTE	Main File - Secure access
Sleep2_MINUTE_W3_YP	Time YP goes to sleep on a school night - MINUTE	Main File - Secure access
Sleep3_MINUTE_W3_YP	Time YP wakes up on a school day - MINUTE	Main File - Secure access

7.7 Sleep_optimal_W3_DER	**"Number of hours sleep YP usually gets- banded- optimal"**
Value labels: Numeric	**Missing value labels:** -99 'YP not interviewed' -1 'Don't know'

Description of variable:

This variable bands the number of hours' sleep the YP usually gets on a school night according to whether deemed less than optimal, optimal or more than optimal. It draws on the edited versions of the going to bed, going to sleep and getting up times derived above (Sleep2_Hour_W3_YP_DER, Sleep1_Hour_W3_YP_DER, Sleep3_Hour_W3_YP_DER) for use with Sleep1Used_W3_DER which fed into sleep_cont_W3_DER. The syntax for these is included under Sleep1Used_W3_DER and sleep_cont_W3_DER and not repeated here.

Derivation:

SPSS Code:

```
recode sleep_cont_W3_DER (-99,-98,-1=COPY)(0 THRU 7.999999=1)(8 THRU 9.499999=2)(9.5 THRU HI=3) INTO sleep_optimal_W3_DER.
value labels sleep_optimal_W3_DER -99 'YP not interviewed' -1 "Don't know" 1 'Less than 8 hours (too little)' 2 '8 to less than 9.5 hours (optimal)' 3 '9.5 or more hours (too much)'.
variable label sleep_optimal_W3_DER "Number of hours sleep YP usually gets- banded- optimal".
```

Source variable	**Variable label**	**Source file**
Sleep1_HOUR_W3_YP	Time YP goes to bed on a school night - HOUR	Main File - Secure access
Sleep2_HOUR_W3_YP	Time YP goes to sleep on a school night - HOUR	Main File - Secure access
Sleep3_HOUR_W3_YP	Time YP wakes up on a school day - HOUR	Main File - Secure access
Sleep1_MINUTE_W3_YP	Time YP goes to bed on a school night - MINUTE	Main File - Secure access
Sleep2_MINUTE_W3_YP	Time YP goes to sleep on a school night - MINUTE	Main File - Secure access
Sleep3_MINUTE_W3_YP	Time YP wakes up on a school day - MINUTE	Main File - Secure access

8. Parental involvement with school

8.1 Parkiddif_W3_DER	"How well or badly MP gets on with YP"
Value labels: 1 'Very well' 2 'Fairly well' 3 'Fairly/Very badly'	**Missing value labels:** -99 'MP not interviewed' -92 'Don't want to answer' -91 'Not applicable' -1 'Don't know'

Description of variable:

This variable is the same as Kiddif_W3_MP except that fairly badly and very badly have been combined.

Derivation:

SPSS Code:

```
recode Kiddif_W3_MP (1=1) (2=2) (3 4 = 3) (else=copy) into parkiddif_W3_DER.
variable labels parkiddif_W3_DER ' How well or badly MP gets on with YP'.
value labels parkiddif_W3_DER
3 "Fairly/Very badly"
1 "Very well"
2 "Fairly well"
-99 "MP not interviewed"
-92 "Don't want to answer"
-91 "Not applicable"
-1 "Don't know".
```

Source variable	Variable label	Source file
Kiddif_W3_MP	How well or badly MP gets on with YP	Main File

8.2 Recrep_W3_DER	**“Whether receives a report”**
Value labels: 1 ‘Receives report’ 2 ‘Does not receive report’	**Missing value labels:** -99 ‘MP not interviewed’ -1 ‘Don't know’

Description of variable:

This variable shows whether the MP receives a report on YP’s school progress.

Derivation:

SPSS Code:

```
recode ReportOften_W3_MP (5 = 2) (1 thru 4 = 1) (else = copy) into recrep_W3_DER.
variable labels recrep_W3_DER "Whether receives a report".
value labels recrep_W3_DER -99 "MP not interviewed" -1 "Don't know" 2 "Does not receive report" 1 "Receives report".
```

Source variable	**Variable label**	**Source file**
ReportOften_W3_MP	How often YP's school sends updates on how they are getting on	Main File

8.3 ParEveAny_W3_DER	**“Parental attendance at parents evening”**
Value labels: 1 ‘Parent attended parents evening’ 2 ‘No parent attended parents evening’	**Missing value labels:** -99 ‘MP not interviewed’ -1 ‘Don't know’

Description of variable:

This variable shows whether any parent attended parents’ evening.

Derivation:

SPSS Code:

```
DO IF (ParEve_1_W3_MP =1 or ParEve_2_W3_MP = 1 or ParEve_3_W3_MP = 1).
COMPUTE ParEveAny_W3_DER = 1.
ELSE.
COMPUTE ParEveAny_W3_DER = 2.
END IF.
if ParEve_1_W3_MP = -99 ParEveAny_W3_DER = -99.
if ParEve_6_W3_MP = 1 ParEveAny_W3_DER = -1.
variable labels ParEveAny_W3_DER "Parental attendance at parents evening".
value labels ParEveAny_W3_DER
-99 "MP not interviewed"
-1 "Don't know"
2 "No parent attended parents evening"
1 "Parent attended parents evening".
```

Source variable	**Variable label**	**Source file**
ParEve_1_w3_MP	Respondent has gone to parents' evenings or similar events at YP's school since beginning of Year 10	Main File
ParEve_2_W3_MP	Respondent's partner has gone to parents' evenings or similar events at YP's school since beginning of Year 10 Respondent's ex-partner/husband/wife has gone to parents' evenings or similar events at YP's school since beginning of Year 10	Main File
ParEve_3_W3_MP	Respondent's ex-partner/husband/wife has gone to	Main File

	parents' evenings or similar events at YP's school since beginning of Year 11	
ParEve_6_w3_MP	Don't know who has gone to any parents' evenings or similar events at YP's school since beginning of Year 11	Main File

8.4 ExpProg3_W3_DER	**“How clear information from school was on YP's progress against expectations”**
Value labels: 1 ‘Very clear’ 2 ‘Fairly clear’ 3 ‘Not very clear’ 4 ‘Not at all clear’ 5 ‘School does not let them know what expected / progress’	**Missing value labels:** -99 ‘MP not interviewed’ -92 ‘Don't want to answer’ -91 ‘Not applicable’ -1 ‘Don't know’

Description of variable:

This variable combines the information from the MP’s responses to ExpProg3, 2 and 1.

Derivation:

SPSS Code:

```
recode ExpProg3_W3_MP (else = copy) into ExpProg3_W3_DER.
if ExpProg1_W3_MP = 2 or ExpProg2_W3_MP = 2 or ExpProg2_W3_MP = 3 ExpProg3_W3_DER = 5.
if ExpProg1_W3_MP = -1 or ExpProg2_W3_MP = -1 ExpProg3_W3_DER = -1.
variable labels ExpProg3_W3_DER "How clear information from school was on YP's progress against expectations".
value labels ExpProg3_W3_DER
1 "Very clear"
2 "Fairly clear"
3 "Not very clear"
4 "Not at all clear"
5 "School does not let them know what expected / progress"
-99 "MP not interviewed"
-92 "Don't want to answer"
-91 "Not applicable"
-1 "Don't know".
```

Source variable	**Variable label**	**Source file**
ExpProg1_W3_MP	Whether YP's school has let parent know how well they expect him/her to do academically	Main file
ExpProg2_W3_M	Whether YP's school has let parent know how he/she has progressed compared to expectations	Main file
ExpProg3_W3_MP	How clear information about YP's progress was	Main file

8.5 ExtCtuMP_W3_DER	**"Whether MP or other family member paid for extra core education tuition"**
Value labels: 1 'Paid for core education tuition' 2 'Not paid for core education tuition'	**Missing value labels:** -99 'MP not interviewed' -1 'Don't know'

Description of variable:

This variable shows whether MP or other family member paid for extra core education tuition since the beginning of the school year.

Derivation:

SPSS Code:

```
compute ExtCtuMP_W3_DER = 2.
if Extrtu1_W3_MP = -99 ExtCtuMP_W3_DER = -99.
if Extrtu1_W3_MP = -1 or Extrtu2_14_W3_MP = 1 ExtCtuMP_W3_DER = -1.
if (Extrtu2_01_W3_MP =1 or Extrtu2_02_W3_MP =1 or Extrtu2_03_W3_MP =1 or Extrtu2_04_W3_MP = 1)
ExtCtuMP_W3_DER = 1.
variable labels ExtCtuMP_W3_DER "Whether MP or other family member paid for extra core education tuition".
value labels ExtCtuMP_W3_DER
-99 "MP not interviewed"
2 "Not paid for core education tuition"
1 "Paid for core education tuition"
-1 "Don't know".
```

Source variable	**Variable label**	**Source file**
Extrtu1_W3_MP	Whether MP or another member of their family has paid for YP to have extra tuition in any subjects that YP also does at school since beginning of Year 10	Main file
Extrtu2_01_W3_MP	Extra maths tuition received by YP	Main file
Extrtu2_02_W3_MP	Extra English tuition received by YP	Main file
Extrtu2_03_W3_MP	Extra Languages tuition received by YP	Main file
Extrtu2_04_W3_MP	Extra Science tuition received by YP	Main file

Extrtu2_14_W3_MP	Don't know extra tuition received by YP	Main file

8.6 ExtNCtuMP_W3_DER	**"Whether MP or other family member paid for extra non-core education tuition"**
Value labels: 1 'Paid for non-core education tuition' 2 'Not paid for non-core education tuition'	**Missing value labels:** -99 'MP not interviewed' -1 'Don't know'

Description of variable:

This variable shows whether MP or other family member paid for extra non-core education tuition since the beginning of the school year.

Derivation:

SPSS Code:

```
compute ExtNCtuMP_W3_DER = 2.
if Extrtu1_W3_MP = -99 ExtNCtuMP_W3_DER = -99.
if Extrtu1_W3_MP = -1 or Extrtu2_14_W3_MP = 1 ExtNCtuMP_W3_DER = -1.
if (Extrtu2_05_W3_MP =1 or Extrtu2_06_W3_MP =1 or Extrtu2_07_W3_MP =1 or Extrtu2_08_W3_MP = 1 or
Extrtu2_09_W3_MP = 1 or Extrtu2_10_W3_MP = 1 or
Extrtu2_11_W3_MP = 1 or Extrtu2_12_W3_MP = 1 or Extrtu2_13_W3_MP = 1) ExtNCtuMP_W3_DER = 1.
variable labels ExtNCtuMP_W3_DER "Whether MP or other family member paid for extra tuition in non-core subjects".
value labels ExtNCtuMP_W3_DER
-99 "MP not interviewed"
2 "Not paid for non-core education tuition"
1 "Paid for non-core education tuition"
-1 "Don't know".
```

Source variable	**Variable label**	**Source file**
Extrtu1_W3_MP	Whether MP or another member of their family has paid for YP to have extra tuition in any subjects that YP also does at school since beginning of Year 10	Main file
Extrtu2_05_W3_MP	Extra Music tuition received by YP	Main file
Extrtu2_06_W3_MP	Extra Sports tuition received by YP	Main file
Extrtu2_07_W3_MP	Extra Drama tuition received by YP	Main file
Extrtu2_08_W3_MP	Extra Dance tuition received by YP	Main file
Extrtu2_09_W3_MP	Extra Singing tuition received by YP	Main file
Extrtu2_10_W3_MP	Extra Religious activity tuition received by YP	Main file

Extrtu2_11_W3_MP	Extra horse-riding tuition received by YP	Main file
Extrtu2_12_W3_MP	Extra sea/air/army cadets tuition received by YP	Main file
Extrtu2_13_W3_MP	Extra other tuition received by YP	Main file
Extrtu2_14_W3_MP	Don't know extra tuition received by YP	Main file