Public Health England

Food Standards Agency
food.gov.uk

National Diet and Nutrition Survey Rolling Programme

Years 9 to 11 (2016/17 to 2018/19)

Derived Variables for UK Data Service

NatCen Social Research

MRC Epidemiology Unit

UNIVERSITY OF CAMBRIDGE

UKDS version

Contents

Classification

Household

TENURE (D) Tenure

1 Own outright
2 Own with mortgage
3 Rent local authority
4 Rent housing association
5 Rent privately, furnished
6 Rent privately, unfurnished

```
SPSS Syntax

Recode llord (-9 thru -1=copy) into tenure.
Recode ten1 (-9 thru -1=copy) (0 thru hi=0) into tenure.
if furn=-9 tenure=-9.
if ten1 = 1 tenure =1.
if ten1 = 2 tenure =2.
if ten1 = 3 tenure =2.
if (any (ten1, 4,5) & llord = 1) tenure = 3.
if (any (ten1, 4,5) & llord = 2) tenure = 4.
if (any (ten1, 4,5) & range (llord, 3, 7) & furn = 1) tenure = 5.
if (any (ten1, 4,5) & range (llord, 3, 7) & furn = 2) tenure = 6.
if (any (ten1, 4,5) & range (llord, 3, 7) & furn = 3) tenure = 6.
if (any (ten1, 4,5) & range (llord, 3, 7) & furn = -9) tenure = 6.
VARIABLE LABELS tenure "(D) Tenure".
VALUE LABELS tenure
1 "Own outright"
2 "Own with mortgage"
3 "Rent local authority"
4 "Rent housing association"
5 "Rent privately, furnished"
6 "Rent privately, unfurnished".
```

Individual

AGEGR1 (D) Age of respondent, grouped

1 1.5-3 years
2 4-10 years
3 11-18 years
4 19-64 years
5 65+ years

```
SPSS Syntax

recode age (1 thru 3=1) (4 thru 10=2) (11 thru 18=3) (19 thru 64=4) (65 thru high=5) into
agegr1 .
variable label agegr1  "(D) Age of respondent, grouped".
value labels agegr1
1 '1.5-3 years'
2 '4-10 years'
3 '11-18 years'
4 '19-64 years'
5 '65+ years'.
```

AGEGR2 (D) Adult vs. child

1 Adult 19+ years
2 Child 1.5-18 years

SPSS Syntax

```
recode age (19 thru highest=1)  (1 thru 18=2) into agegr2 .
variable label agegr2 '(D) Adult vs. child'.
value label agegr2
1 'Adult 19+ years'
2 'Child 1.5-18 years'.
```

AGEGAD1 (D) Age of respondent 16+, grouped into 4 groups.

1 16-24
2 25-49
3 50-64
4 65+ years

SPSS Syntax

```
recode age (16 thru 24=1) (25 thru 49=2) (50 thru 64 =3) (65 thru high=4) (else=-1) into
agegad1 .
VARIABLE LABELS agegad1 "(D) Age of respondent 16+, grouped into 4 groups".
VALUE LABELS agegad1
1 "16-24"
2 "25-49"
3 "50-64"
4 "65+ years".
```

AGEGAD2 (D) Age of respondent 16+, grouped into 5 groups.

1 16-18
2 19-34
3 35-49
4 50-64
5 65+ years

SPSS Syntax

```
RECODE age (16 thru 18=1) (19 thru 34=2) (35 thru 49=3) (50 thru 64=4) (65 thru high=5)
(else=-1) into agegad2.
VARIABLE LABELS agegad2 "(D) Age of respondent 16+, grouped into 5 groups".
VALUE LABELS agegad2
1 "16-18"
2 "19-34"
3 "35-49"
4 "50-64"
5 "65+ years".
```

AGEGCH1 (D) Age of respondent (8-15), grouped into 3 groups.

1 8-10
2 11-12
3 13-15

SPSS Syntax

```
recode age (8 thru 10=1) (11 thru 12=2) (13 thru 15=3) (else=-1) into agegch1 .
variable label agegch1  "(D) Age of respondent (8-15), grouped into 3 groups".
VALUE LABELS agegch1
1 "8-10"
2 "11-12"
3 "13-15".
```

AGEGUR (D) Detailed age groups for urine analysis

1 4-6
2 7-10
3 11-18
4 19-64
5 65+

```
SPSS Syntax

RECODE age (4 thru 6=1) (7 thru 10=2) (11 thru 18=3) (19 thru 64=4) (65 thru Highest=5)
(else=-1) INTO AgeGUr.
VARIABLE LABELS AgeGUr (D) Detailed age groups for urine analysis
VALUE LABELS AgeGUr
1 '4-6'
2 '7-10'
3 '11-18'
4 '19-64'
5 '65+ years'.
```

AGEGDIET (D) Detailed age groups for dietary analysis

1 11-15
2 16-24
3 25-49
4 50-64

```
SPSS Syntax

RECODE age (11 thru 15=1) (16 thru 24=2) (25 thru 49=3) (50 thru 64=4) (else=-1) INTO
AgeGDiet.
VARIABLE LABELS AgeGDiet (D) Detailed age groups for dietary analysis
VALUE LABELS AgeGDiet
1 '11-16'
2 '16-24'
3 '25-49'
4 '50-64'.
```

Admin

QUARTER (D) Quarter of fieldwork

1 Q1 Apr 14-Jun 14
2 Q2 Jul 14-Sep 14
3 Q3 Oct 14-Dec 14
4 Q4 Jan 15-Mar 15

```
SPSS Syntax
variable label quarter '(D) Quarter of fieldwork’.
value label quarter
 1 'Q1 Apr14 - Jun14'
 2 'Q2 Jul14 - Sep14'
 3 'Q3 Oct14 - Dec14'
 4 'Q4 Jan15 - Mar15'.
```

Education

QUAL7 (D) Qualifications gained, grouped

1 Degree or equivalent
2 Higher education, below degree level
3 GCE, A level or equivalent
4 GCSE grades A - C or equivalent
5 GCSE grades D-G/Commercial qualifications/apprenticeship
6 Foreign or other qualifications
7 No qualifications
8 Still in FT education

```
SPSS Syntax

RECODE qual (-9 thru -1 = COPY) (1 thru 4 = 1) (5 thru 8 = 2) (9 thru 22 = 3) (23 thru 35
= 4) (36 thru 46 = 5) (47 = 6) into qual7.
RECODE qualch (2 = 7) into qual7.
do if age>=16.
RECODE wrkstat (1=8) into qual7.
end if.
VARIABLE LABELS qual7 "(D) Qualifications gained, grouped".
VALUE LABELS qual7
1 "Degree or equivalent"
2 "Higher education, below degree level"
3 "GCE, A level or equivalent"
4 "GCSE grades A - C or equivalent"
5 "GCSE grades D-G/Commercial qualifications/apprenticeship"
6 "Foreign or other qualifications"
7 "No qualifications"
8 "Still in FT education".
```

QUAL7H (D) Qualifications gained, grouped (HRP)

1 Degree or equivalent
2 Higher education, below degree level
3 GCE, A level or equivalent
4 GCSE grades A - C or equivalent
5 GCSE grades D-G/Commercial qualifications/apprenticeship
6 Foreign or other qualifications
7 No qualifications
8 Still in FT education

```
SPSS Syntax

RECODE qualh (-9 thru -1 = COPY) (1 thru 4 = 1) (5 thru 8 = 2) (9 thru 22 = 3) (23 thru
35 = 4) (36 thru 46 = 5) (47 thru 50 = 6) into qual7h.
RECODE qualchh (2 = 7) into qual7h.
do if age>=16 & hrpno=pgrid.
RECODE wrkstat (1=8) into qual7h.
end if.
VARIABLE LABELS qual7h "(D) Qualifications gained, grouped (HRP)".
VALUE LABELS qual7h
1 "Degree or equivalent"
2 "Higher education, below degree level"
3 "GCE, A level or equivalent"
4 "GCSE grades A - C or equivalent"
5 "GCSE grades D-G/Commercial qualifications/apprenticeship"
6 "Foreign or other qualifications"
7 "No qualifications"
8 "Still in FT education".
```

QUAL7M (D) Qualifications gained, grouped (MFP)

1 Degree or equivalent
2 Higher education, below degree level
3 GCE, A level or equivalent
4 GCSE grades A - C or equivalent
5 GCSE grades D-G/Commercial qualifications/apprenticeship
6 Foreign or other qualifications
7 No qualifications
8 Still in FT education

SPSS Syntax

```
RECODE qualm (-9 thru -1 = COPY) (1 thru 4 = 1) (5 thru 8 = 2) (9 thru 22 = 3) (23 thru
35 = 4) (36 thru 46 = 5) (47 thru 50 = 6) into qual7m.
RECODE qualchm (2 = 7) into qual7m.
do if age>=16 & mfpnum=pgrid.
RECODE wrkstat (1=8) into qual7m.
end if.
VARIABLE LABELS qual7m "(D) Qualifications gained, grouped (MFP)".
VALUE LABELS qual7m
1 "Degree or equivalent"
2 "Higher education, below degree level"
3 "GCE, A level or equivalent"
4 "GCSE grades A - C or equivalent"
5 "GCSE grades D-G/Commercial qualifications/apprenticeship"
6 "Foreign or other qualifications"
7 "No qualifications"
8 "Still in FT education".
```

Employment

NSSEC8 (D) NS-SEC grouped

1 Higher managerial and professional occupations
2 Lower managerial and professional occupations
3 Intermediate occupations
4 Small employers and own account workers
5 Lower supervisory and technical occupations
6 Semi-routine occupations
7 Routine occupations
8 Never worked
99 Other

```
SPSS Syntax

RECODE nssec (1 thru 3.4=1) (4 thru 6=2) (7 thru 7.4=3) (8 thru 9.2=4) (10 thru 11.2=5)
(12 thru 12.7=6) (13 thru 13.5=7) (14.1=8) (15 thru 17=99) (else=copy) into nssec8.
Variable labels nssec8 "(D) NS-SEC 8 variable classification (hrp)".
Value labels nssec8
 1 "Higher managerial and professional occupations"
 2 "Lower managerial and professional occupations"
 3 "Intermediate occupations"
 4 "Small employers and own account workers"
 5 "Lower supervisory and technical occupations"
 6 "Semi-routine occupations"
 7 "Routine occupations"
 8 "Never worked"
 99 "Other".
```

Note: there was not enough information in the questionnaire to have a specific NS-SEC code for long-term unemployed.

Ethnicity

ETHGR5 (D) Ethnic group, 5 groups

1 White
2 Mixed ethnic group
3 Black or Black British
4 Asian or Asian British
5 Any other group

```
SPSS Syntax

recode ethgru (1=1) (2=2) (3 thru 6=4) (7 thru 9=3) (10 thru 11=5) into ethgr5.
Variable label ethgr5 "(D) Ethnic group, 5 groups".
value label ethgr5
1 'White'
2 'Mixed ethnic group'
3 'Black or Black British'
4 'Asian or asian British'
5 'Any other group'.
```

ETHGR2 (D) Ethnic group, 2 groups

1 White
2 Non-white

```
SPSS Syntax

recode ethgr5 (1=1) (2,3,4,5=2) into ethgr2 .
Variable label ethgr2 "(D) Ethnic group, 2 groups".
value label ethgr2
1 'White'
2 'Non-white' .
```

Income

MCCLEM: (D) McClements equivalence score[1]

EQVINC: (D) Equivalised household income[1]

*The calculation of the equivalised income involves calculating a McClement score for each household (dependent on number, age and relationships of adults and children in the household), and then dividing the total household income by this score to get an equivalised household income. Comments are included in the **SPSS Syntax**.*

The syntax to calculate the McClement score and equivalised income was run on each years dataset individually due to the changes in the relationship variables for each year. All years of data can be ranked to calculate equivalised income cut offs (not provided in the core dataset).

Syntax to calculate married people in household for years 1 & 2 are the same

```
SPSS Syntax

missing values all ().
*** Year 1 does not include civil partners.
COUNT marryp = R01 R02 R03 R04 R05 R06 R07 R08 R09 R10 (1).
COUNT partp = R01 R02 R03 R04 R05 R06 R07 R08 R09 R10 (2).
compute married=marryp+partp.
VARIABLE LABELS married 'married/cohabiting people in Hhold' .
EXECUTE .
```

Syntax to calculate married people in household for years 3 to 11 are the same

```
SPSS Syntax


*** Number of married people in the household.
*** From year 4 includes married, partner/cohabiting and civil partners.
COUNT marryp = Rel01 Rel02 Rel03 Rel04 Rel05 Rel06 Rel07 Rel08 Rel09 Rel10 (1).
COUNT civilp = Rel01 Rel02 Rel03 Rel04 Rel05 Rel06 Rel07 Rel08 Rel09 Rel10 (2).
COUNT partp = Rel01 Rel02 Rel03 Rel04 Rel05 Rel06 Rel07 Rel08 Rel09 Rel10 (3).
compute married=marryp+civilp+partp.
VARIABLE LABELS married 'Number of married/cohabiting people in Hhold' .
EXECUTE .
```

Syntax to calculate the McClemens score and equivalised income are the same for each year (year 4 here as the example)

```
SPSS Syntax

* The variables for everyone's age must be consecutive in the file (as a requirement of
the vector command).
* Save the household file with the necessary variables in the correct order.
SAVE OUTFILE='temp\prepMcClemYr4.sav'
/KEEP hserial married dvage gridnum.
```

[1] Syntax for these DVs are included here for reference, however please note that for disclosure purposes they are not include in the archived data.

```
GET FILE='temp\prepMcClemYr4.sav'.
AGGREGATE OUTFILE='temp\aggHHYr4.sav'
 /BREAK=hserial
 /marry=MAX(married).

GET FILE='temp\prepMcClemYr4.sav'.

*** Counting all ADULTS (i.e. 19+) and generate age for each person.
VECTOR mccage(10).
LOOP xxi=1 to 10.
DO IF (gridnum=xxi).
COMPUTE mccage(xxi)=dvage.
END IF.
END LOOP.
exe.

save OUTFILE='temp\McCYr4x.sav'.

** Create 10 people files using a macro.
DEFINE mincfile ().
!DO !J=1 !TO 10.
!LET !vselect=!CONCAT(mccage,!J).
!LET !vfile=!QUOTE(!CONCAT("temp\p",!J,".sav")).
GET FILE='temp\McCYr4x.sav'.
SELECT IF (!vselect=-9 | !vselect>=0).
SAVE OUTFILE=!vfile /KEEP=hserial !vselect.
!DOEND.
!ENDDEFINE.
MINCFILE.

** Merge all files together by serialh & save .
MATCH FILES
  /file='temp\p1.sav'
  /table='temp\p2.sav'
  /table='temp\p3.sav'
  /table='temp\p4.sav'
  /table='temp\p5.sav'
  /table='temp\p6.sav'
  /table='temp\p7.sav'
  /table='temp\p8.sav'
  /table='temp\p9.sav'
  /table='temp\p10.sav'
  /BY hserial.
EXECUTE.
match files
 /file=*
 /table='temp\aggHHYr4.sav'
 /by hserial.
EXECUTE.
SAVE OUTFILE='temp\McClemYr4.sav'
 /KEEP hserial marry
 mccage1 mccage2 mccage3 mccage4 mccage5 mccage6 mccage7 mccage8
 mccage9 mccage10.

get FILE='temp\McClemYr4.sav'.

compute adults=0.
VECTOR adult=mccage1 to mccage10.
LOOP xxi=1 to 10.
if (range(adult(xxi),19,150)) adults=adults+1.
end loop.
exe.

*** Set McClements score to 0.
compute mcclem=0.

*** Add scores for adults.
**Non-married 2nd person adds 7/100 to score.
IF (adults=1) mcclem=mcclem+(61/100).
IF (adults=2) mcclem=mcclem+1.
```

```
IF (adults=3) mcclem=mcclem+(142/100).
IF (adults>=4) mcclem=mcclem+((142+(36*(adults-3)))/100).
IF (marry=0&adults>1) mcclem=mcclem+(7/100).

*** Add scores for children (0-18).
VECTOR child=mccage1 to mccage10.
LOOP xxj=1 to 10.
if (range(child(xxj),0,1)) mcclem=mcclem+0.09.
if (range(child(xxj),2,4)) mcclem=mcclem+0.18.
if (range(child(xxj),5,7)) mcclem=mcclem+0.21.
if (range(child(xxj),8,10)) mcclem=mcclem+0.23.
if (range(child(xxj),11,12)) mcclem=mcclem+0.25.
if (range(child(xxj),13,15)) mcclem=mcclem+0.27.
if (range(child(xxj),16,18)) mcclem=mcclem+0.36.
end loop.
exe.

formats mcclem (F3.2).
variable label mcclem "(D) McClements equivalence score".

* mcclem=0.45.
* Household where this respondent is aged 18 years old with infant aged 0.
* Recode McClements score to make it as if they were 19+ plus the infant =0.70.
if range(mcclem,0.44,0.46) mcclem=0.70.
EXECUTE.

* mcclem=0.36.
* this is single-person households where this person is aged 18 years old.
* Recode McClements score to make it as if they were 19+.
do if mcclem=0.36.
recode mcclem (0.36=0.61).
end if.

* mcclem=0.54.
* These are single-parent households with a parent aged 18 years old and an child aged 2.
* Recode McClements score to make it as if the parent were 19+ with 2 year old child.
do if mcclem=0.54.
recode mcclem (0.54=0.79).
end if.

* mcclem=0.72.
* These are couples where both partners are aged 17-18 years old.
* Recode them to an adult couple.
recode mcclem (0.72=1) (else=copy).

sort cases by hserial (A).

SAVE OUTFILE='temp\McClemScoreYr4.sav'
/KEEP hserial mcclem.

*** To calculate equivalised income, need to divide hhold total income by McClements
score.
*** Need to get income variables from individual file.

get FILE='NDNSYr4_clean.sav'
 /keep hserial hhinc.
SORT CASES by hserial.
AGGREGATE OUTFILE='temp\agg incomeYr4.sav'
 /BREAK=hserial
 /HHincome=FIRST(hhinc).

match files
 /file='temp\agg incomeYr4.sav'
 /file='temp\McClemScoreYr4.sav'
 /by hserial.
exe.

**calculate mid income as question asked of range.
FORMATS mcclem (F8.2).
COMPUTE midinc=-1.
```

```
RECODE hhincome
(1=2500)(2=7499.5)(3=12499.5)(4=17499.5)(5=22499.5)(6=27499.5)(7=32499.5)(8=37499.5)(9=42
499.5)(10=47499.5)(11=62499.5)(12=87499.5)(13=112499.5) into midinc.

COMPUTE eqvinc=-1.
if (midinc>0) eqvinc=midinc/mcclem.
exe.
```

EQV3 (D) Equivalised household income tertiles

1 Lowest Tertile
2 Middle Tertile
3 Higher Tertile

```
SPSS Syntax

MISSING VALUES eqvinc (lo thru -1).
RANK
  VARIABLES = eqvinc
  /NTILES(3)
  /PRINT = NO
  /TIES = MEAN .
FREQUENCIES neqvinc.
MISSING VALUES eqvinc ().
RECODE neqvinc (SYSMIS = -1) (ELSE = COPY) INTO eqv3.
VARIABLE LABELS eqv3 "(D) Equivalised household income tertiles".
VALUE LABELS eqv3
   1 'Lowest Tertile'
   2 'Middle Tertile'
   3 'Highest Tertile'.
```

Nurse admin

AGRNURSE (D) Whether agreed to nurse visit

1 Agreed nurse visit
2 Not agreed nurse visit

```
SPSS Syntax

recode nurse (1=1) (else=2) into AgrNurse.
variable label AgrNurse '(D) Whether agreed to nurse visit'.
value label AgrNurse
1 'Agreed nurse visit'
2 'Not agreed nurse visit'.
```

NVISIT (D) Whether visited by nurse

1 Visited by nurse
2 Not visited by nurse

```
SPSS Syntax

recode nuroutc (810=1) (else=2) into Nvisit.
variable label Nvisit '(D) Whether visited by nurse'.
value label NVisit
1 'Visited by nurse'
2 'Not visited by nurse'.
```

Sample

REGION (D) Country/region

1 England: North
2 England: Central/Midlands
3 England: South (incl. London)
4 Scotland
5 Wales
6 Northern Ireland

SPSS Syntax

```
recode gor (1 thru 3=1) (4,5=2) (6 thru 9=3) (11=4) (10=5) (12=6) into region.
variable label region "(D)Country/region".
value label region
1 'England: North'
2 'England: Central/Midlands'
3 'England: South (incl. London)'
4 'Scotland'
5 'Wales'
6 'Northern Ireland'.
```

Food avoidance

VEGETARN (D) Vegetarian, vegan or neither

1 Vegetarian
2 Vegan
3 Neither vegetarian nor vegan

SPSS Syntax

```
compute vegetarn=3.
If veg=1 and vegechk=2 vegetarn=1.
If veg=2 and veganchk=2 vegetarn=2.
value label vegetarn
 1 "Vegetarian"
 2 "Vegan"
 3 "Neither" .
variable label vegetarn '(D) Vegetarian, vegan or neither'.
```

General health

Prescribed medicines: Drugs affecting blood analytes

DIUR2: (D) Diuretics (Blood pressure) {revised}
BETA2: (D) Beta blockers (Blood pressure/Fibrinogen) {revised}
ACEINH2: (D) Ace inhibitors (Blood pressure) {revised}
CALCIUMB2: (D) Calcium blockers (Blood pressure) {revised}
OBPDRUG2: (D) Other drugs affecting BP {revised}
LIPID2: (D) Lipid lowering (Cholesterol/Fibrinogen) {revised}
IRON2: (D) Iron deficiency (Haemoglobin/Ferritin) {revised}
BPMEDC2: (D) Whether taking drugs affecting blood pressure {revised}
BPMEDD2: (D) Whether taking drugs prescribed for blood pressure {revised}
antiplam2: (D) Antiplatlets prescribed (binary)
analgm2: (D) Analgesics prescribed (binary)
protonm2: (D) Proton pump inhibitors prescribed (binary)
antidepm2: (D) Antidepressants prescribed (binary)
copdm2: (D) Asthma or COPD prescribed (binary)
antidiabm2: (D) Antidiabetic prescribed (binary)
antibacm2: (D) Antibacterial medications prescribed (binary)
antiplam2: (D) Antiplatlets prescribed (binary)

0 Not taking drug
1 Taking drug

NOTE: All derived variables in this Drugs subsection have the same value labels.
Change from Y5 onwards: medcnjd used for missing values (rather than medbi01), in line with HSE.

SPSS Syntax

```
DO REPEAT xxdrug2=diur2 beta2 aceinh2 calciumb2 obpdrug2 lipid2 iron2 bpmedc2 bpmedd2
antiplaM2 analgM2 protonM2 antidepM2 COPDM2 antidiabM2 antibacM2.
COMPUTE xxdrug2=0.
RECODE medcnjd (-9 thru -1=COPY) INTO xxdrug2.
END REPEAT.
DO REPEAT xxcode2=medbi01 medbi02 medbi03 medbi04 medbi05 medbi06 medbi07 medbi08 medbi09
medbi10
 medbi11 medbi12 medbi13 medbi14 medbi15 medbi16 medbi17 medbi18 medbi19 medbi20 medbi21
medbi22.
IF xxcode2=0 diur2=-9.
IF xxcode2=0 beta2=-9.
IF xxcode2=0 aceinh2 =-9.
IF xxcode2=0 calciumb2 =-9.
IF xxcode2=0 iron2 =-9.
IF xxcode2=0 lipid2 =-9.
IF xxcode2=0 obpdrug2 =-9.
IF xxcode2=0 bpmedc2=-9.
IF xxcode2=0 bpmedd2=-9.
IF xxcode2=0 antiplaM2 =-9.
IF xxcode2=0 analgM2 =-9.
IF xxcode2=0 protonM2 =-9.
IF xxcode2=0 antidepM2 =-9.
IF xxcode2=0 COPDM2 =-9.
IF xxcode2=0 antidiabM2=-9.
IF xxcode2=0 antibacM2=-9.
END REPEAT.
DO REPEAT xxcode2=medbi01 medbi02 medbi03 medbi04 medbi05 medbi06 medbi07 medbi08 medbi09
medbi10
```

```
 medbi11 medbi12 medbi13 medbi14 medbi15 medbi16 medbi17 medbi18 medbi19 medbi20 medbi21
medbi22.
IF RANGE(xxcode2,20201,20208) diur2=1.
IF xxcode2=20400 beta2=1.
IF RANGE(xxcode2, 020551, 020553) aceinh2=1.
IF xxcode2=20602 calciumb2=1.
IF ANY(xxcode2,20501,20502,20503,20504) obpdrug2=1.
IF ANY(xxcode2,21200, 21201, 21202) lipid2=1.
IF xxcode2=90101 iron2=1.
IF xxcode2=20900 antiplaM2=1.
IF ANY(xxcode2, 100101,40701,40702,40703,40704,100302) analgM2=1.
IF xxcode2=10305  protonM2=1.
IF ANY(xxcode2, 40301,40302,40303,40304) antidepM2=1.
IF ANY(xxcode2, 30101,30102,30103,30104,30200,30301,30302,30303,30600) COPDM2=1.
IF ANY(xxcode2, 60101,60102,60121,60122,60123) antidiabM2=1.
IF ANY(xxcode2,
50101,50102,50103,50104,50105,50106,50107,50108,50109,50110,50111,50112,50113)
antibacM2=1.
END REPEAT.
IF ANY(1,diur2,beta2,aceinh2,calciumb2,obpdrug2) bpmedc2=1.
COUNT xbpdrug2=ytake12 ytake15 ytake18 ytake21 ytake24 ytake27 ytake30 ytake33
  ytake36 ytake39 ytake42 ytake45 ytake48 ytake51 ytake54 ytake57 ytake60
  ytake63 ytake66 ytake69 ytake72 ytake75 (1).
IF ANY(1,diur2,beta2,aceinh2,calciumb2,obpdrug2) & xbpdrug2>0 bpmedd2=1.
VARIABLE LABELS diur2 "(D) Diuretics (Blood pressure) {revised}".
VARIABLE LABELS beta2 "(D) Beta blockers (Blood pressure/Fibrinogen) {revised}".
VARIABLE LABELS aceinh2 "(D) Ace inhibitors (Blood pressure) {revised}".
VARIABLE LABELS calciumb2 "(D) Calcium blockers (Blood pressure) {revised}".
VARIABLE LABELS obpdrug2 "(D) Other drugs affecting BP {revised}".
VARIABLE LABELS lipid2 "(D) Lipid lowering (Cholesterol/Fibrinogen) {revised}".
VARIABLE LABELS iron2 "(D) Iron deficiency (Haemoglobin/Ferritin) {revised}".
VARIABLE LABELS bpmedc2 "(D) Whether taking drugs affecting blood pressure {revised}".
VARIABLE LABELS bpmedd2 "(D) Whether taking drugs prescribed for blood pressure
{revised}".
VARIABLE LABELS antipam2 "(D) Antiplatlets prescribed (binary)".
VARIABLE LABELS analgm2 "(D) Analgesics prescribed (binary)".
VARIABLE LABELS protonm2 "(D) Proton pump inhibitors prescribed (binary)".
VARIABLE LABELS antidepm2 "(D) Antidepressants prescribed (binary)".
VARIABLE LABELS copdm2 "(D) Asthma or COPD  prescribed (binary)".
VARIABLE LABELS antidiabm2 "(D) Antidiabetic prescribed (binary)".
VARIABLE LABELS antibacm2 "(D) Antibacterial medications prescribed (binary)".
VARIABLE LABELS antiplam2 "(D) Antiplatlets prescribed (binary)".
VALUE LABELS diur2 beta2 aceinh2 calciumb2 obpdrug2 lipid2 iron2 bpmedc2 bpmedd2 antiplam2
analgm2 protonm2 antidepm2 copdm2 antidiabm2 antibacm2 antiplam2
    0 'Not taking drug'
    1 'Taking drug'.
```

Smoking[2]

Adult general

CIGSTA3 (D) Cigarette smoking status: Current/ex-reg/never-reg

1 Current cigarette smoker
2 Ex-regular cigarette smoker
3 Never regular cigarette smoker

```
SPSS Syntax

IF any(2,cigevr,smkevr) cigsta=3.
recode cigregu(1=2) (2,3=3) into cigsta3.
If cignow=1 cigsta3=1.
IF ANY(-9,smkevr,cignow,cigevr,cigregu) cigsta3=-9.
IF ANY(-8,smkevr,cignow,cigevr,cigregu) cigsta3=-8.
IF smkevr=-1 cigsta3=-1.
IF age<16 cigsta3=-1.
VARIABLE LABELS cigsta3 "(D) Cigarette smoking status: current/ex-reg/never-reg".
VALUE LABELS cigsta3
  1 "Current cigarette smoker"
  2 "Ex-regular cigarette smoker"
  3 "Never regular cigarette smoker".
```

CIGSTA3_11 (D) Cigarette smoking status: Current/ex-reg/never-reg

1 Current cigarette smoker
2 Ex-regular cigarette smoker
3 Never regular cigarette smoker

```
SPSS Syntax

IF any(2,CigEver,SmokEver) cigsta3_11=3.
RECODE CigReg (1=2)(2,3=3) INTO cigsta3_11.
IF SmokNow=1 cigsta3 11=1.
IF ANY(-9,SmokEver,SmokNow,CigEver,CigReg) cigsta3 11=-9.
IF ANY(-8,SmokEver,SmokNow,CigEver,CigReg) cigsta3 11=-8.
IF SmokEver=-1 cigsta3 11=-1.
IF agep<16 cigsta3 11=-1.
VARIABLE LABELS cigsta3_11 "(D) Cigarette smoking status: current/ex-reg/never-reg".
VALUE LABELS cigsta3_11
  1 "Current cigarette smoker"
  2 "Ex-regular cigarette smoker"
  3 "Never regular cigarette smoker".
```

CIGST2 (D) Cigarette smoking status - banded current smokers

1 Light smokers, under 10 a day
2 Moderate smokers, 10 to under 20 a day
3 Heavy smokers, 20 or more a day
4 Don't know number smoked a day
5 Non-smoker

```
SPSS Syntax

RECODE cigdyal (-9=4)(-8=4)(-1=-1)(20 thru hi=3)(10 thru 20=2)(0 thru 10=1) INTO cigst2.
RECODE cignow (-9=-9)(-8=-8)(2=5) INTO cigst2.
RECODE smkevr (-9=-9)(-8=-8)(-1=-1)(2=5) INTO cigst2.
IF agep<16 cigst2=-1.
```

[2] NOTE: smoking questions were updated in Y11, DVs with _11 denote updated variables

```
VARIABLE LABEL cigst2 "(D) Cigarette smoking status - banded current smokers".
VALUE LABELS cigst2
  1 "Light smokers, under 10 a day"
  2 "Moderate smokers, 10 to under 20 a day"
  3 "Heavy smokers, 20 or more a day"
  4 "Don't know number smoked a day"
  5 "Non-smoker".
```

CIGST2_11 (D) Cigarette smoking status - banded current smokers

1 Light smokers, under 10 a day
2 Moderate smokers, 10 to under 20 a day
3 Heavy smokers, 20 or more a day
4 Don't know number smoked a day
5 Non-smoker

```
SPSS Syntax

RECODE cigdyal 11 (-9=4)(-8=4)(-1=-1)(20 thru hi=3)(10 thru 20=2)(0 thru 10=1) INTO
cigst2 11.
RECODE SmokNow (-9=-9)(-8=-8)(2=5) INTO cigst2_11.
RECODE SmokEver (-9=-9)(-8=-8)(-1=-1)(2=5) INTO cigst2_11.
IF agep<16 cigst2 11=-1.
VARIABLE LABEL cigst2 11 "(D) Cigarette smoking status - banded current smokers".
VALUE LABELS cigst2 11
  1 "Light smokers, under 10 a day"
  2 "Moderate smokers, 10 to under 20 a day"
  3 "Heavy smokers, 20 or more a day"
  4 "Don't know number smoked a day"
  5 "Non-smoker".
```

Adult current smokers

CIGDYAL (D) Number of cigarettes smoked a day - inc non smokers.

```
SPSS Syntax

DO IF sctype=3.
IF cgwday>=0 & cgwend>=0 cigdyal=((4*cgwday)+(3*cgwend))/7.
ELSE.
IF cgwday>=0 & cgwend>=0 cigdyal=((5*cgwday)+(2*cgwend))/7.
END IF.
IF ANY(-9,cgwday,cgwend) cigdyal=-9.
IF ANY(-8,cgwday,cgwend) cigdyal=-8.
IF age<16 cigdyal=-1.
RECODE cignow(-9,-8,-1=COPY)(2=0) INTO cigdyal.
RECODE smkevr(-9,-8,-1=COPY)(2=0) INTO cigdyal.
RECODE cigevr(-9,-8=COPY)(2=0) INTO cigdyal.
VARIABLE LABELS cigdyal "(D) Number of cigarettes smoke a day - inc. non-smokers".
```

CIGDYAL_11 (D) Number of cigarettes smoked a day - inc non smokers.

```
SPSS Syntax

compute cigdyal 11=cigday.
IF agep<16 cigdyal 11=-1.
RECODE SmokNow(-9,-8,-1=COPY)(2=0) INTO cigdyal 11.
RECODE SmokEver(-9,-8,-1=COPY)(2=0) INTO cigdyal_11.
RECODE CigEver(-9,-8=COPY)(2=0) INTO cigdyal_11.
VARIABLE LABELS cigdyal_11 "(D) Number of cigarettes smoke a day - inc. non-smokers".
```

Children 8-15

KCIGREGG (D) Frequency of cigarette smoking (8-15s) (grouped)

1 Don't smoke cigarettes
2 Smoke cigarettes, less than once a week
3 Smoke cigarettes, once a week or more often

SPSS Syntax

```
recode kcigreg (lo thru -1=COPY)(1 thru 3=1)(4=2)(5,6=3) INTO kcigregg.
VARIABLE LABELS kcigregg "(D) Frequency of cigarette smoking (8-15s) (grouped)".
VALUE LABELS kcigregg
  1 "Don't smoke cigarettes"
  2 "Smoke cigarettes, less than once a week"
  3 "Smoke cigarettes, once a week or more often".
```

Drinking[3]

Adults general

DNOFT3 (D) Frequency drink alcohol in past 12 months: including non-drinkers

1 Almost every day
2 Five or six days a week
3 Three or four days a week
4 Once or twice a week
5 Once or twice a month
6 Once every couple of months
7 Once or twice a year
8 Not at all in the last 12 months/Non-drinker

```
SPSS Syntax

compute dnoft3=dnoft.
recode dnany(2=8)(-9,-8=COPY) into dnoft3.
recode dnnow(-9,-8=COPY) into dnoft3.
variable labels dnoft3 "(D) Frequency drink alcohol in past 12 months: including non-
drinkers".
value labels dnoft3
1 "Almost every day”
2 "Five or six days a week”
3 "Three or four days a week”
4 "Once or twice a week”
5 "Once or twice a month”
6 "Once every couple of months”
7 "Once or twice a year”
8 "Not at all in the last 12 months/Non-drinker”.
```

DNOFT3_11 (D) Frequency drink alcohol in past 12 months: including non-drinkers

1 Almost every day
2 Five or six days a week
3 Three or four days a week
4 Once or twice a week
5 Once or twice a month
6 Once every couple of months
7 Once or twice a year
8 Not at all in the last 12 months/Non-drinker

```
SPSS Syntax

compute dnoft3_11=DrinkOft.
recode DrinkAny(2=8)(-9,-8=COPY) into dnoft3 11.
recode DrinkInt(-9,-8=COPY) into dnoft3 11.
variable labels dnoft3 11 "(D) Frequency drink alcohol in past 12 months: including non-
drinkers".
value labels dnoft3_11
1 "Almost every day”
2 "Five or six days a week”
3 "Three or four days a week”
4 "Once or twice a week”
5 "Once or twice a month”
6 "Once every couple of months”
7 "Once or twice a year”
8 "Not at all in the last 12 months/Non-drinker”.
```

[3] NOTE: drinking questions were updated in Y11, DVs with _11 denote updated variables

Adults 7 days

D7MANY3 (D) Number of days drank in last week, including none

```
SPSS Syntax

compute d7many3=d7many.
if any(2,dnany,d7day) d7many3=0.
if dnoft3=8 d7many3=0.
variable labels d7many3 "(D) Number of days drank in last week, including none".
```

D7UNITWG (D) Units drunk on heaviest day in last 7

```
SPSS Syntax

compute norbot=0.
IF l7ncodeq>=0 norbot=l7ncodeq*2.5.
compute strbot=0.
IF l7scodeq>=0 strbot=l7scodeq*4.

COMPUTE d7unitwg=0.
IF (nberqhp7>0) d7unitwg=d7unitwg+nberqhp7.
IF (nberqsm7>0) d7unitwg=d7unitwg+nberqsm7*1.5.
IF (nberqlg7>0) d7unitwg=d7unitwg+nberqlg7*2.
IF (nberqbt7>0) d7unitwg=d7unitwg+nberqbt7*norbot.
IF (nberqpt7>0) d7unitwg=d7unitwg+nberqpt7*2.
IF (sberqhp7>0) d7unitwg=d7unitwg+sberqhp7*2.
IF (sberqpt7>0) d7unitwg=d7unitwg+sberqpt7*4.
IF (sberqsm7>0) d7unitwg=d7unitwg+sberqsm7*2.
IF (sberqbt7>0) d7unitwg=d7unitwg+sberqbt7*strbot.
IF (sberqlg7>0) d7unitwg=d7unitwg+sberqlg7*3.
IF (spirqme7>0) d7unitwg=d7unitwg+spirqme7.
IF (sherqgs7>0) d7unitwg=d7unitwg+sherqgs7.
IF (wgls250ml>0) d7unitwg=d7unitwg+wgls250ml*3.0.
IF (wgls175ml>0) d7unitwg=d7unitwg+wgls175ml*2.0.
IF (wgls125ml>0) d7unitwg=d7unitwg+wgls125ml*1.5.
IF (wbtlgz>0) d7unitwg=d7unitwg+wbtlgz*1.5.
IF (popsqsm7>0) d7unitwg=d7unitwg+popsqsm7*1.5.
IF ANY(-9,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7, sberqhp7,
sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
wgls250ml,wgls175ml,wgls125ml,wl7bt, popsqsm7) d7unitwg=-9.
IF ANY(-8,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7, sberqhp7,
sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
wgls250ml,wgls175ml,wgls125ml,wl7bt, popsqsm7) d7unitwg=-8.
IF ANY(-6,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7, sberqhp7,
sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
wgls250ml,wgls175ml,wgls125ml,wl7bt, popsqsm7) d7unitwg=-6.
IF any(d7day,2,-1) d7unitwg=-1.
VARIABLE LABEL d7unitwg"(D) Units drunk on heaviest day in last 7".
```

D7UNITWGRP (D) Units drunk on heaviest day in last 7 (grouped)

1 Up to and including 2
2 Over 2 and up to (& including) 3
3 Over 3 and up to (& including) 4
4 Over 4 and up to (& including) 5
5 Over 5 and up to (& including) 6
6 Over 6 and up to (& including) 8
7 Over 8+.

```
SPSS Syntax

recode d7unitwg (0 thru 2=1)(2 thru 3=2)(3 thru 4=3)(4 thru 5=4)(5 thru 6=5)(6 thru
8=6)(8 thru hi=7) (else=copy) into d7unitwgrp .
variable label d7unitwgrp "(D) Units drunk on heaviest day in last 7 (grouped)".
value labels d7unitwgrp
 1 "Up to and including 2"
 2 "Over 2 and up to (& including) 3"
 3 "Over 3 and up to (& including) 4"
 4 "Over 4 and up to (& including) 5"
 5 "Over 5 and up to (& including) 6"
 6 "Over 6 and up to (& including) 8"
 7 "Over 8+".
```

WDRINK07B (D) Women number of units drunk on heaviest day in last 7

-5 Men
0 None
1 Up to and including 3 units
2 Greater than 3 and less than or equal to 6 units
3 Greater than 6 units

```
SPSS Syntax

compute wdrink07B=-5.
DO if sex=2.
recode d7unitwgrp (6 thru 7=3)(3 thru 5=2)(1 thru 2=1)
 (else=copy) into wdrink07B.
recode d7many3 (0=0) into wdrink07B.
END if.
variable labels wdrink07B "(D) Women number of units on heaviest day in last 7".
value labels wdrink07B
-5 'Men'
0 'None'
1 'Up to and including 3 units'
2 'Greater than 3 and less than or equal to 6 units'
3 'Greater than 6 units'.
```

MDRINK07B (D) Men number of units drunk on heaviest day in last 7

-5 Women
0 None
1 Up to and including 4 units
2 Greater than 4 and less than or equal to 8 units
3 Greater than 8 units

```
SPSS Syntax

compute mdrink07B=-5.
DO if sex=1.
recode d7unitwgrp (7=3)(4 thru 6=2)(1 thru 3=1)
 (else=copy) into mdrink07B.
recode d7many3 (0=0) into mdrink07B.
END if.
variable labels mdrink07B "(D) Men number of units drunk on heaviest day in last 7".
value labels mdrink07B
-5 'Women'
0 'None'
1 'Up to and including 4 units'
2 'Greater than 4 and less than or equal to 8 units'
3 'Greater than 8 units'.
```

ALCLIMIT07B (D) Alcohol units – limits based on (variable D7UNITWGRP) units per day

0 None
1 <=4 units/day (men), <=3 (women)
2 >4 and <= 8 (men), >3 and less than or equal to 6 (women)
3 Greater than 8 units (men), greater than 6 units (women)

SPSS Syntax

```
COMPUTE alclimit07B =-1.
if (mdrink07B=0) alclimit07B =0.
IF (mdrink07B=1) alclimit07B =1.
IF mdrink07B=2 alclimit07B =2.
IF mdrink07B=3 alclimit07B =3.
if (wdrink07B=0) alclimit07B =0.
IF (wdrink07B=1) alclimit07B =1.
IF wdrink07B=2 alclimit07B =2.
IF wdrink07B=3 alclimit07B =3.
if ((wdrink07B=-8|wdrink07B=-9|wdrink07B=-1) and (mdrink07B=-1|mdrink07B=-9|mdrink07B=-
8)) alclimit07B =-1.
VAR LAB alclimit07B "(D) Alcohol units - limits based on (variable d7unitwgrp ) units per
day".
VAL LAB alclimit07B
0 'None'
1 '<=4 units/day (men), <=3 (women)'
2 '>4 and <= 8 (men), >3 and less than or equal to 6 (women)'
3 'greater than 8 units (men), greater than 6 units (women)'.
```

Children 8-15

AEVDRINK (D) Ever had proper alcoholic drink, including alcopops (aged 8-15)

1 Yes
2 No

SPSS Syntax

```
compute aevdrink = adrprop.
IF adrpops = 1 aevdrink = 1.
var lab aevdrink '(D) Ever had proper alcoholic drink, including alcopops (aged 8-15)'.
val lab aevdrink
 1 'Yes'
 2 'No'
```

AEVDRINK_11 (D) Ever had proper alcoholic drink, including alcopops (aged 8-15)

1 Yes
2 No

SPSS Syntax

```
compute aevdrink_11=DrinkYP.
IF Alcopops=1 aevdrink 11=1.
var lab aevdrink 11 '(D) Ever had proper alcoholic drink, including alcopops (aged 8-
15)'.
val lab aevdrink 11
 1 'Yes'
 2 'No'
```

ADRFREQ (D) Frequency of drinking, including non-drinkers (aged 8-15)

1 Almost every day
2 About twice a week
3 About once a week
4 About once a fortnight
5 About once a month
6 Only a few times a year
7 Never drinks

SPSS Syntax

```
compute adrfreq = adrinkof.
IF (aevdrink = 2) and (adrinkof <0) adrfreq = 7.
var lab adrfreq '(D) Frequency of drinking alcohol, including non-drinkers (aged 8-15)'.
val lab adrfreq
 1 'Almost every day'
 2 'About twice a week'
 3 'About once a week'
 4 'About once a fortnight'
 5 'About once a month'
 6 'Only a few times a year'
 7 'Never drinks'
```

ADRFREQ_11 (D) Frequency of drinking, including non-drinkers (aged 8-15)

1 Almost every day
2 About twice a week
3 About once a week
4 About once a fortnight
5 About once a month
6 Only a few times a year
7 Never drinks

SPSS Syntax

```
compute adrfreq 11=DrinkOf2.
IF (aevdrink 11=2) and (DrinkOf2 <0) adrfreq 11 = 7.
var lab adrfreq_11 '(D) Frequency of drinking alcohol, including non-drinkers (aged 8-
15)'.
val lab adrfreq 11
 1 'Almost every day'
 2 'About twice a week'
 3 'About once a week'
 4 'About once a fortnight'
 5 'About once a month'
 6 'Only a few times a year'
 7 'Never drinks'
```

ADFREWK (D) Frequency of drinking (aged 8-15)

1 Once a week or more
2 About once a fortnight
3 About once a month
4 Only a few times a year
5 Never drinks

SPSS Syntax

```
Compute adfrewk = 0.
Recode adrfreq (1,2,3 = 1) (4=2) (5=3) (6=4) (7=5) (else=copy) into adfrewk.
var lab adfrewk '(D) Frequency of drinking, (aged 8-15)'.
val lab adfrewk
 1 'Once a week or more'
```

```
 2 'About once a fortnight'
 3 'About once a month'
 4 'Only a few times a year'
 5 'Never drinks'
```

ADFREWK_11 (D) Frequency of drinking (aged 8-15)

1 Once a week or more
2 About once a fortnight
3 About once a month
4 Only a few times a year
5 Never drinks

SPSS Syntax

```
Compute adfrewk 11 = 0.
Recode adrfreq 11 (1,2,3=1) (4=2) (5=3) (6=4) (7=5) (else=copy) into adfrewk 11.
var lab adfrewk 11 '(D) Frequency of drinking, (aged 8-15)'.
val lab adfrewk_11
 1 'Once a week or more'
 2 'About once a fortnight'
 3 'About once a month'
 4 'Only a few times a year'
 5 'Never drinks'
```

Anthropometric measurements

Demi-span admin

MEASDS (D) Demi-span measured

1 Demi-span measured
2 Demi-span not measured
3 No nurse visit
4 Not eligible (less than 16 or 16-64 with valid height)

SPSS Syntax

```
recode spanint (1=1) (else=2) into measds .
If nuroutc<>810 measds=3.
if age<16 | (age>=16 & age<65 & (relhite=1 | relhite=2)) measds=4.
if span=-9 measds=2.
variable label measds '(D) demi-span measured'.
value label measds
1 'Demi-span measured'
2 'Demi-span not measured'
3 'No nurse visit'
4 'Not eligible (<16 or 16-64 with valid height)'.
```

SPANOK (D) Whether demi span measurements are valid

1 Usable 1st & 2nd measurements
2 Not useable: unreliable
3 Not useable: difference > 3.0cm
4 Refused
5 Unable to measure demi-span for other reason than refused
6 Only one measurement taken

SPSS Syntax

```
RECODE spanint (1=6)(2=4)(3=5) (-9,-8,-1=COPY) INTO spanok.
COMPUTE xxspan=abs(span-span2).
IF ANY(-8, span, span2) xxspan=-8.
IF ANY(-9, span, span2) xxspan=-9.
IF (spanint=1 & xxspan<=3.0 & spanrel=1 & spanrel2=1) spanok=1.
DO IF spanint=1 & xxspan>3.0.
COMPUTE spanok=3.
END IF.
DO IF spanint=1 & spanrel=2 | spanrel2=2.
COMPUTE spanok=2.
END IF.
IF ANY(-8, xxspan)spanok =-8.
IF ANY(-9, xxspan)spanok =-9 .
VARIABLE LABELS spanok "(D) Whether demi span measurements are valid".
VALUE LABELS spanok
 1 'Usable 1st & 2nd measurements'
 2 'Not useable: unreliable'
 3 'Not useable: difference > 3.0cm'
 4 'Refused'
 5 'Unable to measure demi-span for other reason than refused'
 6 'Only one measurement taken'.
```

SPANOK1 (D) Valid demi span grouped

1 Valid
2 Not usable
3 Refused
4 Attempted but not obtained

```
SPSS Syntax

RECODE spanok (1=1) (2 thru 3=2) (4=3) (5=4) (6=2) (else=copy) into spanok1.
VAR LAB spanok1 '(D) Valid demi span grouped'.
VAL LAB spanok1
 1'Valid'
 2'Not usable'
 3'Refused'
 4'Attempted but not obtained'.
```

Height/weight/infant length admin

MEASINL (D) Infant length measured

1 Length measured
2 Length not measured
3 No nurse visit
4 Not eligible (aged 2+)

```
SPSS Syntax

recode lgthint (1=1) (else=2) into measinl.
If nuroutc<>810 measinl=3.
if age>=2 measinl=4.
if length=-9 measinl=2.
variable label measinl '(D) Infant length measured'.
value label measinl
1 'Length measured'
2 'Length not measured'
3 'No nurse visit'
4 'Not eligible (aged 2+)'.
```

LTOK (D) Whether infant length measurement is valid

1 Valid
2 Not usable
3 Refused
4 Attempted but not obtained
5 Not attempted

```
SPSS Syntax

RECODE lgthint (1=1) (2=3) (3=5) (-1=-1) (-9=-9) INTO ltok.
If lgthrel=2 ltok=2.
If ynolgth=1 ltok=3.
If ynolgth=2 ltok=4.
If ynolgth=3 ltok=5.
VARIABLE LABELS ltok '(D) Whether infant length measurement is valid'.
VALUE LABELS ltok
 1 "Valid"
 2 "Not useable"
 3 "Refused"
 4 "Attempted but not obtained"
 5 "Not attempted"
```

MEASHEIG (D) Height measured

1 Height measured
2 Height not measured
3 Not eligible (less than 2)

SPSS Syntax

```
recode resphts (1=1) (else=2) into measheig .
if age<2 measheig=3.
variable label measheig '(D) Height measured'.
value label measheig
1 'Height measured'
2 'Height not measured'
3 'Not eligible (less than 2)'.
```

HTOK (D) Whether height measure is valid

1 Valid
2 Not usable
3 Refused
4 Attempted but not obtained
5 Not attempted

SPSS Syntax

```
RECODE resphts (1=1)(2=3)(3=4)(4=5) (-1=-1) INTO htok.
IF relhite=3 htok=2.
VARIABLE LABELS htok "(D) Whether height measure is valid".
VALUE LABELS htok
  1 "Valid"
  2 "Not usable"
  3 "Refused"
  4 "Attempted but not obtained"
  5 "Not attempted".
```

MEASWEIG (D) Weight measured

1 Weight measured
2 Weight not measured

SPSS Syntax

```
recode respwts (0,1=1) (else=2) into measweig .
variable label measweig '(D) Weight measured'.
value label measweig
1 'Weight measured'
2 'Weight not measured'.
```

WTOK (D) Whether weight measurement is valid

1 Valid
2 Not usable
3 Refused
4 Attempted but not obtained
5 Not attempted
-90 Pregnant

SPSS Syntax

```
RECODE respwts (0,1=1) (2=3) (3=4) (4=5) (-1=-1) INTO wtok.
If relwaitb=3 wtok=2.
If pregnowb=1 wtok=-90.
VARIABLE LABELS wtok "(D) Whether weight measurement is valid'.
VALUE LABELS wtok
 1 "Valid"
 2 "Not useable"
 3 "Refused"
 4 "Attempted but not obtained"
 5 "Not attempted"
-90 "Pregnant".
```

BMIOK (D) Whether bmi measure is valid

1 Valid
2 Length/height/weight not usable
3 Length/height/weight refused
4 Length/height/weight attempted but not obtained
5 Length/height/weight not attempted
-90 Pregnant

SPSS Syntax

```
IF any(1,ltok,htok) & wtok=1 bmiok=1.
IF ANY(2,ltok,htok,wtok) bmiok=2.
IF ANY(3,ltok,htok,wtok) bmiok=3.
IF ANY(4,ltok,htok,wtok) bmiok=4.
IF ANY(5,ltok,htok,wtok) bmiok=5.
IF wtok=-90 bmiok=-90.
IF htok=-1 & age>=2 bmiok=-1.
IF any(ltok,-1,-9) & age<2 bmiok=-1.
IF wtok=-1 bmiok=-1.
VARIABLE LABELS bmiok "(D) Whether bmi measure is valid".
VALUE LABELS bmiok
1 "Valid"
2 "Length/height/weight not usable"
3 "Length/height/weight refused"
4 "Length/height/weight attempted but not obtained"
5 "Length/height/weight not attempted"
-90 "Pregnant".
```

Waist/hip admin

MEASWH (D) Waist/Hip measured

1 Waist/Hip measured
2 Waist/Hip not measured
3 No nurse visit
4 Not eligible (less than 11 years old)

```
SPSS Syntax

recode respwh (1,2=1) (else=2) into measwh .
If nuroutc<>810 measinl=3.
if age<11 measwh=4.
if waist=-9 & hip=-9 measwh=2.
variable label measwh '(D) Waist/Hip measured'.
value label measwh
1 'Waist/Hip measured'
2 'Waist/Hip not measured'
3 'No nurse visit'
4 'Not eligible (less than 11 years old) '.
```

WSTOKB (D) Whether waist measurements are valid

1 Usable 1st & 2nd measurements
2 Usable 1st & 3rd measurements
3 Usable 2nd & 3rd measurements
4 Usable 1st & 2nd & 3rd measurements
5 Not useable: unreliable
6 Not useable: difference > 3cm
7 Partial response
8 Refused
9 Not attempted
-90 Pregnant

```
SPSS Syntax

RECODE respwh (1=1)(2=7)(3=8)(4=9)(-1=COPY) INTO wstokb.
COMPUTE xxwst12=abs(waist-waist2).
COMPUTE xxwst13=abs(waist-waist3).
COMPUTE xxwst23=abs(waist2-waist3).
IF respwh=1 & xxwst12<=3 & any(wjrel,1,2,3) wstokb=1.
DO IF respwh=1 & xxwst12>3.
COMPUTE wstokb=6.
IF xxwst13<=3 wstokb=2.
IF xxwst23<=3 wstokb=3.
IF xxwst13<=3 & xxwst23<=3 wstokb=4.
END IF.
IF ANY(wjrel,4,-9) wstokb=5.
IF pregntj=1 wstokb=-90.
IF age<11 wstokb=-1.
Variable label wstokb "Whether waist measurements are valid"
Value label wstokb
 1 'Usable 1st & 2nd measurements'
 2 'Usable 1st & 3rd measurements'
 3 'Usable 2nd & 3rd measurements'
 4 'Usable 1st & 2nd & 3rd measurements'
 5 'Not useable: unreliable'
 6 'Not useable: difference > 3cm'
 7 'Partial response'
 8 'Refused'
 9 'Not attempted'
-90 'Pregnant'
```

Note: interim variables (those with the prefix xx) are not included in the final data.

HIPOKB (D) Whether hip measurements are valid

1 Usable 1st & 2nd measurements
2 Usable 1st & 3rd measurements
3 Usable 2nd & 3rd measurements
4 Usable 1st & 2nd & 3rd measurements
5 Not useable: unreliable
6 Not useable: difference > 3cm
7 Partial response
8 Refused
9 Not attempted
-90 Pregnant

SPSS Syntax

```
RECODE respwh (1=1)(2=7)(3=8)(4=9)(-1=COPY) INTO hipokb.
COMPUTE xxhip12=abs(hip-hip2).
COMPUTE xxhip13=abs(hip-hip3).
COMPUTE xxhip23=abs(hip2-hip3).
IF respwh=1 & xxhip12<=3 & any(hjrel,1,2,3) hipokb=1.
DO IF respwh=1 & xxwst12>3.
COMPUTE hipokb=6.
IF xxhip13<=3 hipokb=2.
IF xxhip23<=3 hipokb=3.
IF xxhip13<=3 & xxhip23<=3 hipokb=4.
END IF.
IF ANY(hjrel,4,-9) hipokb=5.
IF pregntj=1 hipokb=-90.
IF age<11 hipokb=-1.
VARIABLE LABELS hipokb "(D) Whether hip measurements are valid".
VALUE LABELS hipokb
 1 'Usable 1st & 2nd measurements'
 2 'Usable 1st & 3rd measurements'
 3 'Usable 2nd & 3rd measurements'
 4 'Usable 1st & 2nd & 3rd measurements'
 5 'Not useable: unreliable'
 6 'Not useable: difference > 3cm'
 7 'Partial response'
 8 'Refused'
 9 'Not attempted'
 -90 'Pregnant'
```

Note: interim variables (those with the prefix xx) are not included in the final data.

WHOKB (D) Whether waist/hip measurement is valid

1 Valid
2 Waist/Hip not usable
3 Waist/Hip partial response
4 Waist/Hip refused
5 Waist/Hip not attempted
-90 Pregnant

SPSS Syntax

```
RECODE wstokb (-1=COPY) into whokb.
IF RANGE(wstokb,1,4) & RANGE(hipokb,1,4) whokb=1.
IF ANY(5,wstokb,hipokb) | ANY(6,wstokb,hipokb) whokb=2.
IF ANY(7,wstokb,hipokb) whokb=3.
IF ANY(8,wstokb,hipokb) whokb=4.
IF ANY(9,wstokb,hipokb) whokb=5.
IF hipokb=-90 whokb=-90.
IF age<11 whokb=-1.
VARIABLE LABELS whokb "(D) Whether waist/hip measurement is valid".
VALUE LABELS whokb
 1 'Valid'
 2 'Waist/Hip not usable'
```

```
 3 'Waist/Hip partial response'
 4 'Waist/Hip refused'
 5 'Waist/Hip not attempted'
 -90 'Pregnant'
```

MEASWC (D) Waist circumference measured

1 Waist circumference measured
2 Waist circumference not measured
3 No nurse visit
4 Not eligible (less than 11 years old)

```
SPSS Syntax

recode Waist (0 thru 200=1) (else=2) into measwc.
if nuroutc<>810 measwc=3.
if age<11 measwc=4.
if waist=-9 measwc=2.
variable label measWC '(D) Waist circumference measured'.
value label measWC
1 'Waist circumference measured'
2 'Waist circumference not measured'
3 'No nurse visit'
4 'Not eligible (less than 11 years old)'.
```

Measurements

LGTHVAL (D) Valid infant length measurement (cm)

```
SPSS Syntax

COMPUTE lgthval=-1.
If ltok=1 lgthval=length.
VARIABLE LABELS lgthval '(D) Valid infant length measurement(cm)'.
```

HTVAL (D) Valid height measurement (cm)

```
SPSS Syntax

COMPUTE htval=-1.
If htok=1 htval=height.
VARIABLE LABELS htval '(D) Valid height measurement(cm)'.
```

WTVAL (D) Valid weight measurement (Kg)

```
SPSS Syntax

COMPUTE wtval=-1.
If wtok=1 wtval=weight.
VARIABLE LABELS wtval '(D) Valid weight measurement (Kg)'.
```

BMI (D) BMI – inc unreliable measurements

```
SPSS Syntax

COMPUTE bmi=-1.
IF height>0 & weight>0 bmi=(weight*100*100)/(height*height).
IF length<>999.9 & length>0 & weight>0 bmi=(weight*100*100)/(length*length).
format bmi (F3.2).
VARIABLE LABELS bmi "(D) BMI - inc unreliable measurements".
```

BMIVAL (D) Valid BMI measurement

```
SPSS Syntax

COMPUTE BMIval=-1.
If BMIok=1 bmival=bmi.
VARIABLE LABELS bmival '(D) Valid BMI measurement'.
```

BMIVG5 (D) Adults valid BMI grouped (<18.5,18.5-25,25-30,30-40, 40+)

1 Under 18.5
2 18.5 and below 25
3 25 and below 30
4 30 and below 40
5 Over 40

```
SPSS Syntax

RECODE bmival (0 thru 18.5=1)(18.5 thru 25=2)(25 thru 30=3) (30 thru 40=4) (40 thru hi=5)
(lo thru -1=COPY) INTO bmivg5.
If age<16 bmivg5=-1.
VARIABLE LABELS bmivg5 "(D) Adults valid BMI grouped (<18.5,18.5-25,25-30,30-40, 40+)".
VALUE LABELS bmivg5
1 "Under 18.5"
2 "18.5 and below 25"
3 "25 and below 30"
4 "30 and below 40"
5 "Over 40".
```

BMIWHO (D) Children 2-3 BMI WHO 2007 standards (85th/95th centile)

1 Normal-weight
2 Over-weight
3 Obese

```
SPSS Syntax

COMPUTE intexagem=0.
if age<2 or age>=19 intexagem=-1.
IF bmiok<>1 intexagem=-1.
IF (dobdate> 0) intexagem=((idate-dobdate)/(86400*30.4375)) .
IF (age=2 and intexagem<2) and idate=dobdate and imon=dobmon intexagem=2.
VARIABLE LABELS intexagem "(D) Exact age at interview (months)".
exe.
**************************OBESITY/OVERWEIGHT USING 85th/95th centiles*********.

compute bmiwho=0.

* Boys Thresold

IF sex= 1 AND (intexagem>= 24 AND intexagem<25) AND bmival< 17.093 bmiwho=1.
IF sex= 1 AND (intexagem>= 25 AND intexagem<26) AND bmival< 17.358 bmiwho=1.
IF sex= 1 AND (intexagem>= 26 AND intexagem<27) AND bmival< 17.316 bmiwho=1.
IF sex= 1 AND (intexagem>= 27 AND intexagem<28) AND bmival< 17.274 bmiwho=1.
IF sex= 1 AND (intexagem>= 28 AND intexagem<29) AND bmival< 17.234 bmiwho=1.
IF sex= 1 AND (intexagem>= 29 AND intexagem<30) AND bmival< 17.195 bmiwho=1.
IF sex= 1 AND (intexagem>= 30 AND intexagem<31) AND bmival< 17.157 bmiwho=1.
IF sex= 1 AND (intexagem>= 31 AND intexagem<32) AND bmival< 17.12 bmiwho=1.
IF sex= 1 AND (intexagem>= 32 AND intexagem<33) AND bmival< 17.085 bmiwho=1.
IF sex= 1 AND (intexagem>= 33 AND intexagem<34) AND bmival< 17.05 bmiwho=1.
IF sex= 1 AND (intexagem>= 34 AND intexagem<35) AND bmival< 17.016 bmiwho=1.
IF sex= 1 AND (intexagem>= 35 AND intexagem<36) AND bmival< 16.984 bmiwho=1.
IF sex= 1 AND (intexagem>= 36 AND intexagem<37) AND bmival< 16.953 bmiwho=1.
IF sex= 1 AND (intexagem>= 37 AND intexagem<38) AND bmival< 16.924 bmiwho=1.
IF sex= 1 AND (intexagem>= 38 AND intexagem<39) AND bmival< 16.896 bmiwho=1.
IF sex= 1 AND (intexagem>= 39 AND intexagem<40) AND bmival< 16.87 bmiwho=1.
```

```
IF sex= 1 AND (intexagem>= 40 AND intexagem<41) AND bmival< 16.846 bmiwho=1.
IF sex= 1 AND (intexagem>= 41 AND intexagem<42) AND bmival< 16.825 bmiwho=1.
IF sex= 1 AND (intexagem>= 42 AND intexagem<43) AND bmival< 16.805 bmiwho=1.
IF sex= 1 AND (intexagem>= 43 AND intexagem<44) AND bmival< 16.787 bmiwho=1.
IF sex= 1 AND (intexagem>= 44 AND intexagem<45) AND bmival< 16.771 bmiwho=1.
IF sex= 1 AND (intexagem>= 45 AND intexagem<46) AND bmival< 16.757 bmiwho=1.
IF sex= 1 AND (intexagem>= 46 AND intexagem<47) AND bmival< 16.744 bmiwho=1.
IF sex= 1 AND (intexagem>= 47 AND intexagem<48) AND bmival< 16.732 bmiwho=1.

*Overweight 85 to 95.
IF sex= 1 AND (intexagem>= 24 AND intexagem<25) AND (bmival>= 17.093 AND bmival<17.982)
bmiwho=2.
IF sex= 1 AND (intexagem>= 25 AND intexagem<26) AND (bmival>= 17.358 AND bmival<18.257)
bmiwho=2.
IF sex= 1 AND (intexagem>= 26 AND intexagem<27) AND (bmival>= 17.316 AND bmival<18.21)
bmiwho=2.
IF sex= 1 AND (intexagem>= 27 AND intexagem<28) AND (bmival>= 17.274 AND bmival<18.164)
bmiwho=2.
IF sex= 1 AND (intexagem>= 28 AND intexagem<29) AND (bmival>= 17.234 AND bmival<18.12)
bmiwho=2.
IF sex= 1 AND (intexagem>= 29 AND intexagem<30) AND (bmival>= 17.195 AND bmival<18.077)
bmiwho=2.
IF sex= 1 AND (intexagem>= 30 AND intexagem<31) AND (bmival>= 17.157 AND bmival<18.036)
bmiwho=2.
IF sex= 1 AND (intexagem>= 31 AND intexagem<32) AND (bmival>= 17.12 AND bmival<17.996)
bmiwho=2.
IF sex= 1 AND (intexagem>= 32 AND intexagem<33) AND (bmival>= 17.085 AND bmival<17.958)
bmiwho=2.
IF sex= 1 AND (intexagem>= 33 AND intexagem<34) AND (bmival>= 17.05 AND bmival<17.921)
bmiwho=2.
IF sex= 1 AND (intexagem>= 34 AND intexagem<35) AND (bmival>= 17.016 AND bmival<17.886)
bmiwho=2.
IF sex= 1 AND (intexagem>= 35 AND intexagem<36) AND (bmival>= 16.984 AND bmival<17.853)
bmiwho=2.
IF sex= 1 AND (intexagem>= 36 AND intexagem<37) AND (bmival>= 16.953 AND bmival<17.821)
bmiwho=2.
IF sex= 1 AND (intexagem>= 37 AND intexagem<38) AND (bmival>= 16.924 AND bmival<17.791)
bmiwho=2.
IF sex= 1 AND (intexagem>= 38 AND intexagem<39) AND (bmival>= 16.896 AND bmival<17.763)
bmiwho=2.
IF sex= 1 AND (intexagem>= 39 AND intexagem<40) AND (bmival>= 16.87 AND bmival<17.738)
bmiwho=2.
IF sex= 1 AND (intexagem>= 40 AND intexagem<41) AND (bmival>= 16.846 AND bmival<17.715)
bmiwho=2.
IF sex= 1 AND (intexagem>= 41 AND intexagem<42) AND (bmival>= 16.825 AND bmival<17.695)
bmiwho=2.
IF sex= 1 AND (intexagem>= 42 AND intexagem<43) AND (bmival>= 16.805 AND bmival<17.678)
bmiwho=2.
IF sex= 1 AND (intexagem>= 43 AND intexagem<44) AND (bmival>= 16.787 AND bmival<17.663)
bmiwho=2.
IF sex= 1 AND (intexagem>= 44 AND intexagem<45) AND (bmival>= 16.771 AND bmival<17.65)
bmiwho=2.
IF sex= 1 AND (intexagem>= 45 AND intexagem<46) AND (bmival>= 16.757 AND bmival<17.639)
bmiwho=2.
IF sex= 1 AND (intexagem>= 46 AND intexagem<47) AND (bmival>= 16.744 AND bmival<17.631)
bmiwho=2.
IF sex= 1 AND (intexagem>= 47 AND intexagem<48) AND (bmival>= 16.732 AND bmival<17.623)
bmiwho=2.

*Obese.

IF sex= 1 AND (intexagem>= 24 AND intexagem<25) AND (bmival>= 17.982 )bmiwho=3.
IF sex= 1 AND (intexagem>= 25 AND intexagem<26) AND (bmival>= 18.257 )bmiwho=3.
IF sex= 1 AND (intexagem>= 26 AND intexagem<27) AND (bmival>= 18.21 )bmiwho=3.
IF sex= 1 AND (intexagem>= 27 AND intexagem<28) AND (bmival>= 18.164 )bmiwho=3.
IF sex= 1 AND (intexagem>= 28 AND intexagem<29) AND (bmival>= 18.12 )bmiwho=3.
IF sex= 1 AND (intexagem>= 29 AND intexagem<30) AND (bmival>= 18.077 )bmiwho=3.
IF sex= 1 AND (intexagem>= 30 AND intexagem<31) AND (bmival>= 18.036 )bmiwho=3.
IF sex= 1 AND (intexagem>= 31 AND intexagem<32) AND (bmival>= 17.996 )bmiwho=3.
IF sex= 1 AND (intexagem>= 32 AND intexagem<33) AND (bmival>= 17.958 )bmiwho=3.
IF sex= 1 AND (intexagem>= 33 AND intexagem<34) AND (bmival>= 17.921 )bmiwho=3.
```

```
IF sex= 1 AND (intexagem>= 34 AND intexagem<35) AND (bmival>= 17.886 )bmiwho=3.
IF sex= 1 AND (intexagem>= 35 AND intexagem<36) AND (bmival>= 17.853 )bmiwho=3.
IF sex= 1 AND (intexagem>= 36 AND intexagem<37) AND (bmival>= 17.821 )bmiwho=3.
IF sex= 1 AND (intexagem>= 37 AND intexagem<38) AND (bmival>= 17.791 )bmiwho=3.
IF sex= 1 AND (intexagem>= 38 AND intexagem<39) AND (bmival>= 17.763 )bmiwho=3.
IF sex= 1 AND (intexagem>= 39 AND intexagem<40) AND (bmival>= 17.738 )bmiwho=3.
IF sex= 1 AND (intexagem>= 40 AND intexagem<41) AND (bmival>= 17.715 )bmiwho=3.
IF sex= 1 AND (intexagem>= 41 AND intexagem<42) AND (bmival>= 17.695 )bmiwho=3.
IF sex= 1 AND (intexagem>= 42 AND intexagem<43) AND (bmival>= 17.678 )bmiwho=3.
IF sex= 1 AND (intexagem>= 43 AND intexagem<44) AND (bmival>= 17.663 )bmiwho=3.
IF sex= 1 AND (intexagem>= 44 AND intexagem<45) AND (bmival>= 17.65 )bmiwho=3.
IF sex= 1 AND (intexagem>= 45 AND intexagem<46) AND (bmival>= 17.639 )bmiwho=3.
IF sex= 1 AND (intexagem>= 46 AND intexagem<47) AND (bmival>= 17.631 )bmiwho=3.
IF sex= 1 AND (intexagem>= 47 AND intexagem<48) AND (bmival>= 17.623 )bmiwho=3.

* Girls thresold.

IF sex= 2 AND (intexagem>= 24 AND intexagem<25) AND bmival< 16.873 bmiwho=1.
IF sex= 2 AND (intexagem>= 25 AND intexagem<26) AND bmival< 17.131 bmiwho=1.
IF sex= 2 AND (intexagem>= 26 AND intexagem<27) AND bmival< 17.1 bmiwho=1.
IF sex= 2 AND (intexagem>= 27 AND intexagem<28) AND bmival< 17.07 bmiwho=1.
IF sex= 2 AND (intexagem>= 28 AND intexagem<29) AND bmival< 17.041 bmiwho=1.
IF sex= 2 AND (intexagem>= 29 AND intexagem<30) AND bmival< 17.013 bmiwho=1.
IF sex= 2 AND (intexagem>= 30 AND intexagem<31) AND bmival< 16.986 bmiwho=1.
IF sex= 2 AND (intexagem>= 31 AND intexagem<32) AND bmival< 16.96 bmiwho=1.
IF sex= 2 AND (intexagem>= 32 AND intexagem<33) AND bmival< 16.936 bmiwho=1.
IF sex= 2 AND (intexagem>= 33 AND intexagem<34) AND bmival< 16.913 bmiwho=1.
IF sex= 2 AND (intexagem>= 34 AND intexagem<35) AND bmival< 16.893 bmiwho=1.
IF sex= 2 AND (intexagem>= 35 AND intexagem<36) AND bmival< 16.875 bmiwho=1.
IF sex= 2 AND (intexagem>= 36 AND intexagem<37) AND bmival< 16.86 bmiwho=1.
IF sex= 2 AND (intexagem>= 37 AND intexagem<38) AND bmival< 16.847 bmiwho=1.
IF sex= 2 AND (intexagem>= 38 AND intexagem<39) AND bmival< 16.837 bmiwho=1.
IF sex= 2 AND (intexagem>= 39 AND intexagem<40) AND bmival< 16.829 bmiwho=1.
IF sex= 2 AND (intexagem>= 40 AND intexagem<41) AND bmival< 16.824 bmiwho=1.
IF sex= 2 AND (intexagem>= 41 AND intexagem<42) AND bmival< 16.82 bmiwho=1.
IF sex= 2 AND (intexagem>= 42 AND intexagem<43) AND bmival< 16.817 bmiwho=1.
IF sex= 2 AND (intexagem>= 43 AND intexagem<44) AND bmival< 16.816 bmiwho=1.
IF sex= 2 AND (intexagem>= 44 AND intexagem<45) AND bmival< 16.816 bmiwho=1.
IF sex= 2 AND (intexagem>= 45 AND intexagem<46) AND bmival< 16.817 bmiwho=1.
IF sex= 2 AND (intexagem>= 46 AND intexagem<47) AND bmival< 16.819 bmiwho=1.
IF sex= 2 AND (intexagem>= 47 AND intexagem<48) AND bmival< 16.822 bmiwho=1.

*overweight.

IF sex= 2 AND (intexagem>= 24 AND intexagem<25) AND (bmival>= 16.873 AND bmival<17.842)
bmiwho=2.
IF sex= 2 AND (intexagem>= 25 AND intexagem<26) AND (bmival>= 17.131 AND bmival<18.099)
bmiwho=2.
IF sex= 2 AND (intexagem>= 26 AND intexagem<27) AND (bmival>= 17.1 AND bmival<18.066)
bmiwho=2.
IF sex= 2 AND (intexagem>= 27 AND intexagem<28) AND (bmival>= 17.07 AND bmival<18.033)
bmiwho=2.
IF sex= 2 AND (intexagem>= 28 AND intexagem<29) AND (bmival>= 17.041 AND bmival<18.003)
bmiwho=2.
IF sex= 2 AND (intexagem>= 29 AND intexagem<30) AND (bmival>= 17.013 AND bmival<17.973)
bmiwho=2.
IF sex= 2 AND (intexagem>= 30 AND intexagem<31) AND (bmival>= 16.986 AND bmival<17.945)
bmiwho=2.
IF sex= 2 AND (intexagem>= 31 AND intexagem<32) AND (bmival>= 16.96 AND bmival<17.918)
bmiwho=2.
IF sex= 2 AND (intexagem>= 32 AND intexagem<33) AND (bmival>= 16.936 AND bmival<17.893)
bmiwho=2.
IF sex= 2 AND (intexagem>= 33 AND intexagem<34) AND (bmival>= 16.913 AND bmival<17.871)
bmiwho=2.
IF sex= 2 AND (intexagem>= 34 AND intexagem<35) AND (bmival>= 16.893 AND bmival<17.851)
bmiwho=2.
IF sex= 2 AND (intexagem>= 35 AND intexagem<36) AND (bmival>= 16.875 AND bmival<17.835)
bmiwho=2.
IF sex= 2 AND (intexagem>= 36 AND intexagem<37) AND (bmival>= 16.86 AND bmival<17.823)
bmiwho=2.
```

```
IF sex= 2 AND (intexagem>= 37 AND intexagem<38) AND (bmival>= 16.847 AND bmival<17.813)
bmiwho=2.
IF sex= 2 AND (intexagem>= 38 AND intexagem<39) AND (bmival>= 16.837 AND bmival<17.808)
bmiwho=2.
IF sex= 2 AND (intexagem>= 39 AND intexagem<40) AND (bmival>= 16.829 AND bmival<17.805)
bmiwho=2.
IF sex= 2 AND (intexagem>= 40 AND intexagem<41) AND (bmival>= 16.824 AND bmival<17.806)
bmiwho=2.
IF sex= 2 AND (intexagem>= 41 AND intexagem<42) AND (bmival>= 16.82 AND bmival<17.808)
bmiwho=2.
IF sex= 2 AND (intexagem>= 42 AND intexagem<43) AND (bmival>= 16.817 AND bmival<17.812)
bmiwho=2.
IF sex= 2 AND (intexagem>= 43 AND intexagem<44) AND (bmival>= 16.816 AND bmival<17.819)
bmiwho=2.
IF sex= 2 AND (intexagem>= 44 AND intexagem<45) AND (bmival>= 16.816 AND bmival<17.826)
bmiwho=2.
IF sex= 2 AND (intexagem>= 45 AND intexagem<46) AND (bmival>= 16.817 AND bmival<17.834)
bmiwho=2.
IF sex= 2 AND (intexagem>= 46 AND intexagem<47) AND (bmival>= 16.819 AND bmival<17.844)
bmiwho=2.
IF sex= 2 AND (intexagem>= 47 AND intexagem<48) AND (bmival>= 16.822 AND bmival<17.854)
bmiwho=2.

*obese.
IF sex= 2 AND (intexagem>= 24 AND intexagem<25) AND (bmival>= 17.842 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 25 AND intexagem<26) AND (bmival>= 18.099 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 26 AND intexagem<27) AND (bmival>= 18.066 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 27 AND intexagem<28) AND (bmival>= 18.033 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 28 AND intexagem<29) AND (bmival>= 18.003 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 29 AND intexagem<30) AND (bmival>= 17.973 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 30 AND intexagem<31) AND (bmival>= 17.945 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 31 AND intexagem<32) AND (bmival>= 17.918 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 32 AND intexagem<33) AND (bmival>= 17.893 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 33 AND intexagem<34) AND (bmival>= 17.871 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 34 AND intexagem<35) AND (bmival>= 17.851 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 35 AND intexagem<36) AND (bmival>= 17.835 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 36 AND intexagem<37) AND (bmival>= 17.823 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 37 AND intexagem<38) AND (bmival>= 17.813 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 38 AND intexagem<39) AND (bmival>= 17.808 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 39 AND intexagem<40) AND (bmival>= 17.805 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 40 AND intexagem<41) AND (bmival>= 17.806 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 41 AND intexagem<42) AND (bmival>= 17.808 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 42 AND intexagem<43) AND (bmival>= 17.812 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 43 AND intexagem<44) AND (bmival>= 17.819 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 44 AND intexagem<45) AND (bmival>= 17.826 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 45 AND intexagem<46) AND (bmival>= 17.834 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 46 AND intexagem<47) AND (bmival>= 17.844 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 47 AND intexagem<48) AND (bmival>= 17.854 ) bmiwho=3.
exe.

VAR LAB bmiwho '(D) Children 2-3 BMI WHO 2007 standards (85th/95th centile)'.
value labels bmiwho
1 'Normal-weight'
2 'Over-weight'
3 'Obese'.
exe.

IF bmiok<>1 bmiwho=-1.
if age<2 or age>=4 bmiwho=-1.
exe.
```

BMICAT418 (D) Age 4-18.9 Childrens BMI standards (85th/95th centile) using UK90

1 Normal-weight
2 Over-weight
3 Obese

SPSS Syntax

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compute bmicat418=0.

IF sex=1 AND (intexage>=4 AND intexage<4.50) AND bmival<17.13 bmicat418=1.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND bmival<17.23 bmicat418=1.
IF sex=1 AND (intexage>=4.50 AND intexage<5) AND bmival<17.01 bmicat418=1.
IF sex=2 AND (intexage>=4.50 AND intexage<5) AND bmival<17.17 bmicat418=1.

IF sex=1 AND  (intexage>=5 AND intexage<5.50) AND bmival<16.96 bmicat418=1.
IF sex=2 AND  (intexage>=5 AND intexage<5.50) AND bmival<17.16 bmicat418=1.
IF sex=1 AND  (intexage>=5.50 AND intexage<6) AND bmival<16.96 bmicat418=1.
IF sex=2 AND  (intexage>=5.50 AND intexage<6) AND bmival<17.21 bmicat418=1.

IF sex=1 AND (intexage>=6 AND intexage<6.50) AND bmival<17.01 bmicat418=1.
IF sex=2 AND (intexage>=6 AND intexage<6.50) AND bmival<17.32 bmicat418=1.
IF sex=1 AND (intexage>=6.50 AND intexage<7) AND bmival<17.10 bmicat418=1.
IF sex=2 AND (intexage>=6.50 AND intexage<7) AND bmival<17.49 bmicat418=1.

IF sex=1 AND (intexage>=7 AND intexage<7.50) AND bmival<17.24 bmicat418=1.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND bmival<17.71 bmicat418=1.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND bmival<17.41 bmicat418=1.
IF sex=2 AND  (intexage>=7.50 AND intexage<8) AND bmival<17.96 bmicat418=1.

IF sex=1 AND (intexage>=8 AND intexage<8.50) AND bmival<17.61 bmicat418=1.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND bmival<18.23 bmicat418=1.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND bmival<17.83 bmicat418=1.
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND bmival<18.52 bmicat418=1.

IF sex=1 AND (intexage>=9 AND intexage<9.50) AND bmival<18.08 bmicat418=1.
IF sex=2 AND (intexage>=9 AND intexage<9.50) AND bmival<18.82 bmicat418=1.
IF sex=1 AND (intexage>=9.50 AND intexage<10) AND bmival<18.35 bmicat418=1.
IF sex=2 AND (intexage>=9.50 AND intexage<10) AND bmival<19.15 bmicat418=1.

IF sex=1 AND (intexage>=10 AND intexage<10.50)  AND bmival<18.64 bmicat418=1.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND bmival<19.49 bmicat418=1.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND bmival<18.94 bmicat418=1.
IF sex=2 AND (intexage>=10.50 AND intexage<11) AND bmival<19.85 bmicat418=1.

IF sex=1 AND (intexage>=11 AND intexage<11.50) AND bmival<19.26 bmicat418=1.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND bmival<20.22 bmicat418=1.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND bmival<19.59 bmicat418=1.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND bmival<20.60 bmicat418=1.

IF sex=1 AND (intexage>=12 AND intexage<12.50) AND bmival<19.93 bmicat418=1.
IF sex=2 AND (intexage>=12 AND intexage<12.50) AND bmival<20.98 bmicat418=1.
IF sex=1 AND (intexage>=12.50 AND intexage<13) AND bmival<20.29 bmicat418=1.
IF sex=2 AND (intexage>=12.50 AND intexage<13) AND bmival<21.37 bmicat418=1.

IF sex=1 AND (intexage>=13 AND intexage<13.50) AND bmival<20.65 bmicat418=1.
IF sex=2 AND (intexage>=13 AND intexage<13.50) AND bmival<21.74 bmicat418=1.
IF sex=1 AND (intexage>=13.50 AND intexage<14) AND bmival<21.02 bmicat418=1.
IF sex=2 AND (intexage>=13.50 AND intexage<14) AND bmival<22.10 bmicat418=1.

IF sex=1 AND (intexage>=14 AND intexage<14.50) AND bmival<21.39 bmicat418=1.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND bmival<22.45 bmicat418=1.
IF sex=1 AND (intexage>=14.50 AND intexage<15)  AND bmival<21.76 bmicat418=1.
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND bmival<22.77 bmicat418=1.

IF sex=1 AND (intexage>=15 AND intexage<15.50) AND bmival<22.12 bmicat418=1.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND bmival<23.08 bmicat418=1.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND bmival<22.48 bmicat418=1.
IF sex=2 AND (intexage>=15.50 AND intexage<16)  AND bmival<23.35 bmicat418=1.

IF sex=1 AND (intexage>=16 AND intexage<16.50) AND (bmival<22.82) bmicat418=1.
IF sex=2 AND (intexage>=16 AND intexage<16.50) AND (bmival<23.61) bmicat418=1.
IF sex=1 AND (intexage>=16.50 AND intexage<17) AND (bmival<23.15) bmicat418=1.
IF sex=2 AND (intexage>=16.50 AND intexage<17) AND (bmival<23.84) bmicat418=1.

IF sex=1 AND (intexage>=17 AND intexage<17.50) AND (bmival<23.46) bmicat418=1.
IF sex=2 AND (intexage>=17 AND intexage<17.50) AND (bmival<24.06) bmicat418=1.
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IF sex=1 AND (intexage>=17.50 AND intexage<18) AND (bmival<23.76 ) bmicat418=1.
IF sex=2 AND (intexage>=17.50 AND intexage<18) AND (bmival<24.25) bmicat418=1.

IF sex=1 AND (intexage>=18 AND intexage<18.50) AND (bmival<24.05) bmicat418=1.
IF sex=2 AND (intexage>=18 AND intexage<18.50) AND (bmival<24.43) bmicat418=1.
IF sex=1 AND (intexage>=18.50 AND intexage<19) AND (bmival<24.32) bmicat418=1.
IF sex=2 AND (intexage>=18.50 AND intexage<19) AND (bmival<24.60) bmicat418=1.

*Overweight.

IF sex=1 AND (intexage>=4 AND intexage<4.50) AND (bmival>=17.13 AND bmival<18.08)
bmicat418=2.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND (bmival>=17.23 AND bmival<18.32)
bmicat418=2.
IF sex=1 AND (intexage>=4.50 AND intexage<5) AND (bmival>=17.01 AND bmival<17.97)
bmicat418=2.
IF sex=2 AND (intexage>=4.50 AND intexage<5) AND (bmival>=17.17 AND bmival<18.31)
bmicat418=2.

IF sex=1 AND (intexage>=5 AND intexage<5.50) AND (bmival>=16.96 AND bmival<17.95 )
bmicat418=2.
IF sex=2 AND (intexage>=5 AND intexage<5.50) AND (bmival>=17.16 AND bmival<18.35)
bmicat418=2.
IF sex=1 AND (intexage>=5.50 AND intexage<6) AND (bmival>=16.96 AND bmival<17.99)
bmicat418=2.
IF sex=2 AND (intexage>=5.50 AND intexage<6) AND (bmival>=17.21 AND bmival<18.46)
bmicat418=2.

IF sex=1 AND (intexage>=6 AND intexage<6.50) AND (bmival>=17.01 AND bmival<18.10)
bmicat418=2.
IF sex=2 AND (intexage>=6 AND intexage<6.50) AND (bmival>=17.32 AND bmival<18.65)
bmicat418=2.
IF sex=1 AND (intexage>=6.50 AND intexage<7) AND (bmival>=17.10 AND bmival<18.26)
bmicat418=2.
IF sex=2 AND (intexage>=6.50 AND intexage<7) AND (bmival>=17.49 AND bmival<18.91)
bmicat418=2.

IF sex=1 AND (intexage>=7 AND intexage<7.50) AND (bmival>=17.24 AND bmival<18.48)
bmicat418=2.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND (bmival>=17.71 AND bmival<19.22)
bmicat418=2.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND (bmival>=17.41 AND bmival<18.74)
bmicat418=2.
IF sex=2 AND (intexage>=7.50 AND intexage<8) AND (bmival>=17.96 AND bmival<19.56)
bmicat418=2.

IF sex=1 AND (intexage>=8 AND intexage<8.50) AND (bmival>=17.61 AND bmival<19.04 )
bmicat418=2.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND (bmival>=18.23 AND bmival<19.93)
bmicat418=2.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND (bmival>=17.83 AND bmival<19.36)
bmicat418=2.
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND (bmival>=18.52 AND bmival<20.30 )
bmicat418=2.

IF sex=1 AND (intexage>=9 AND intexage<9.50) AND (bmival>=18.08 AND bmival<19.70 )
bmicat418=2.
IF sex=2 AND (intexage>=9 AND intexage<9.50) AND (bmival>=18.82 AND bmival<20.70)
bmicat418=2.
IF sex=1 AND (intexage>=9.50 AND intexage<10) AND (bmival>=18.35 AND bmival<20.05)
bmicat418=2.
IF sex=2 AND (intexage>=9.50 AND intexage<10) AND (bmival>=19.15 AND bmival<21.10)
bmicat418=2.

IF sex=1 AND (intexage>=10 AND intexage<10.50) AND (bmival>=18.64 AND bmival<20.42 )
bmicat418=2.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND (bmival>=19.49 AND bmival<21.52)
bmicat418=2.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND (bmival>=18.94 AND bmival<20.79)
bmicat418=2.
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IF sex=2 AND (intexage>=10.50 AND intexage<11) AND (bmival>=19.85 AND bmival<21.94)
bmicat418=2.

IF sex=1 AND (intexage>=11 AND intexage<11.50) AND (bmival>=19.26 AND bmival<21.18 )
bmicat418=2.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND (bmival>=20.22 AND bmival<22.36)
bmicat418=2.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND (bmival>=19.59 AND bmival<21.57)
bmicat418=2.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND (bmival>=20.60 AND bmival<22.80 )
bmicat418=2.

IF sex=1 AND (intexage>=12 AND intexage<12.50) AND (bmival>=19.93 AND bmival<21.96 )
bmicat418=2.
IF sex=2 AND (intexage>=12 AND intexage<12.50) AND (bmival>=20.98 AND bmival<23.22)
bmicat418=2.
IF sex=1 AND (intexage>=12.50 AND intexage<13) AND (bmival>=20.29 AND bmival<22.36)
bmicat418=2.
IF sex=2 AND (intexage>=12.50 AND intexage<13) AND (bmival>=21.37 AND bmival<23.65 )
bmicat418=2.

IF sex=1 AND (intexage>=13 AND intexage<13.50) AND (bmival>=20.65 AND bmival<22.77 )
bmicat418=2.
IF sex=2 AND (intexage>=13 AND intexage<13.50) AND (bmival>=21.74 AND bmival<24.06)
bmicat418=2.
IF sex=1 AND (intexage>=13.50 AND intexage<14) AND (bmival>=21.02 AND bmival<23.17)
bmicat418=2.
IF sex=2 AND (intexage>=13.50 AND intexage<14) AND (bmival>=22.10 AND bmival<24.45 )
bmicat418=2.

IF sex=1 AND (intexage>=14 AND intexage<14.50) AND (bmival>=21.39 AND bmival<23.58)
bmicat418=2.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND (bmival>=22.45 AND bmival<24.82)
bmicat418=2.
IF sex=1 AND (intexage>=14.50 AND intexage<15) AND (bmival>=21.76 AND bmival<23.97)
bmicat418=2.
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND (bmival>=22.77 AND bmival<25.16)
bmicat418=2.

IF sex=1 AND (intexage>=15 AND intexage<15.50) AND (bmival>=22.12 AND bmival<24.36)
bmicat418=2.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND (bmival>=23.08 AND bmival<25.49)
bmicat418=2.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND (bmival>=22.48 AND bmival<24.74)
bmicat418=2.
IF sex=2 AND (intexage>=15.50 AND intexage<16) AND (bmival>=23.35 AND bmival<25.78 )
bmicat418=2.

IF sex=1 AND (intexage>=16 AND intexage<16.50) AND (bmival>=22.82 AND bmival<25.09)
bmicat418=2.
IF sex=2 AND (intexage>=16 AND intexage<16.50) AND (bmival>=23.61 AND bmival<26.05)
bmicat418=2.
IF sex=1 AND (intexage>=16.50 AND intexage<17) AND (bmival>=23.15 AND bmival<25.44)
bmicat418=2.
IF sex=2 AND (intexage>=16.50 AND intexage<17) AND (bmival>=23.84 AND bmival<26.29)
bmicat418=2.

IF sex=1 AND (intexage>=17 AND intexage<17.50) AND (bmival>=23.46 AND bmival<25.77)
bmicat418=2.
IF sex=2 AND (intexage>=17 AND intexage<17.50) AND (bmival>=24.06 AND bmival<26.52)
bmicat418=2.
IF sex=1 AND (intexage>=17.50 AND intexage<18) AND (bmival>=23.76 AND bmival<26.08)
bmicat418=2.
IF sex=2 AND (intexage>=17.50 AND intexage<18) AND (bmival>=24.25 AND bmival<26.72)
bmicat418=2.

IF sex=1 AND (intexage>=18 AND intexage<18.50) AND (bmival>=24.05 AND bmival<26.37)
bmicat418=2.
IF sex=2 AND (intexage>=18 AND intexage<18.50) AND (bmival>=24.43 AND bmival<26.91)
bmicat418=2.
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IF sex=1 AND (intexage>=18.50 AND intexage<19) AND (bmival>=24.32 AND bmival<26.65)
bmicat418=2.
IF sex=2 AND (intexage>=18.50 AND intexage<19) AND (bmival>=24.60 AND bmival<27.08)
bmicat418=2.

*obesity*.

IF sex=1 AND (intexage>=4 AND intexage<4.50) AND (bmival>=18.08) bmicat418=3.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND (bmival>=18.32) bmicat418=3.
IF sex=1 AND (intexage>=4.50 AND intexage<5) AND (bmival>=17.97) bmicat418=3.
IF sex=2 AND (intexage>=4.50 AND intexage<5) AND (bmival>=18.31) bmicat418=3.

IF sex=1 AND (intexage>=5 AND intexage<5.50) AND (bmival>=17.95) bmicat418=3.
IF sex=2 AND (intexage>=5 AND intexage<5.50) AND (bmival>=18.35) bmicat418=3.
IF sex=1 AND (intexage>=5.50 AND intexage<6) AND (bmival>=17.99) bmicat418=3.
IF sex=2 AND (intexage>=5.50 AND intexage<6) AND (bmival>=18.46) bmicat418=3.

IF sex=1 AND (intexage>=6 AND intexage<6.50) AND (bmival>=18.10) bmicat418=3.
IF sex=2 AND (intexage>=6 AND intexage<6.50) AND (bmival>=18.65) bmicat418=3.
IF sex=1 AND (intexage>=6.50 AND intexage<7) AND (bmival>=18.26) bmicat418=3.
IF sex=2 AND (intexage>=6.50 AND intexage<7) AND (bmival>=18.91) bmicat418=3.

IF sex=1 AND (intexage>=7 AND intexage<7.50) AND (bmival>=18.48) bmicat418=3.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND (bmival>=19.22) bmicat418=3.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND (bmival>=18.74) bmicat418=3.
IF sex=2 AND (intexage>=7.50 AND intexage<8) AND (bmival>=19.56) bmicat418=3.

IF sex=1 AND (intexage>=8 AND intexage<8.50) AND (bmival>=19.04) bmicat418=3.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND (bmival>=19.93) bmicat418=3.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND (bmival>=19.36) bmicat418=3.
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND (bmival>=20.30) bmicat418=3.

IF sex=1 AND (intexage>=9 AND intexage<9.50) AND (bmival>=19.70) bmicat418=3.
IF sex=2 AND (intexage>=9 AND intexage<9.50) AND (bmival>=20.70) bmicat418=3.
IF sex=1 AND (intexage>=9.50 AND intexage<10) AND (bmival>=20.05) bmicat418=3.
IF sex=2 AND (intexage>=9.50 AND intexage<10) AND (bmival>=21.10) bmicat418=3.

IF sex=1 AND (intexage>=10 AND intexage<10.50) AND (bmival>=20.42) bmicat418=3.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND (bmival>=21.52) bmicat418=3.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND (bmival>=20.79) bmicat418=3.
IF sex=2 AND (intexage>=10.50 AND intexage<11) AND (bmival>=21.94) bmicat418=3.

IF sex=1 AND (intexage>=11 AND intexage<11.50) AND (bmival>=21.18) bmicat418=3.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND (bmival>=22.36) bmicat418=3.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND (bmival>=21.57) bmicat418=3.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND (bmival>=22.80) bmicat418=3.

IF sex=1 AND (intexage>=12 AND intexage<12.50) AND (bmival>=21.96) bmicat418=3.
IF sex=2 AND (intexage>=12 AND intexage<12.50) AND (bmival>=23.22) bmicat418=3.
IF sex=1 AND (intexage>=12.50 AND intexage<13) AND (bmival>=22.36) bmicat418=3.
IF sex=2 AND (intexage>=12.50 AND intexage<13) AND (bmival>=23.65) bmicat418=3.

IF sex=1 AND (intexage>=13 AND intexage<13.50) AND (bmival>=22.77) bmicat418=3.
IF sex=2 AND (intexage>=13 AND intexage<13.50) AND (bmival>=24.06) bmicat418=3.
IF sex=1 AND (intexage>=13.50 AND intexage<14) AND (bmival>=23.17) bmicat418=3.
IF sex=2 AND (intexage>=13.50 AND intexage<14) AND (bmival>=24.45) bmicat418=3.

IF sex=1 AND (intexage>=14 AND intexage<14.50) AND (bmival>=23.58) bmicat418=3.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND (bmival>=24.82) bmicat418=3.
IF sex=1 AND (intexage>=14.50 AND intexage<15) AND (bmival>=23.97) bmicat418=3.
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND (bmival>=25.16) bmicat418=3.

IF sex=1 AND (intexage>=15 AND intexage<15.50) AND (bmival>=24.36) bmicat418=3.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND (bmival>=25.49) bmicat418=3.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND (bmival>=24.74) bmicat418=3.
IF sex=2 AND (intexage>=15.50 AND intexage<16) AND (bmival>=25.78) bmicat418=3.

IF sex=1 AND (intexage>=16 AND intexage<16.50) AND (bmival>=25.09) bmicat418=3.
IF sex=2 AND (intexage>=16 AND intexage<16.50) AND (bmival>=26.05) bmicat418=3.
IF sex=1 AND (intexage>=16.50 AND intexage<17) AND (bmival>=25.44) bmicat418=3.
IF sex=2 AND (intexage>=16.50 AND intexage<17) AND (bmival>=26.29) bmicat418=3.
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IF sex=1 AND (intexage>=17 AND intexage<17.50) AND (bmival>=25.77) bmicat418=3.
IF sex=2 AND (intexage>=17 AND intexage<17.50) AND (bmival>=26.52) bmicat418=3.
IF sex=1 AND (intexage>=17.50 AND intexage<18) AND (bmival>=26.08) bmicat418=3.
IF sex=2 AND (intexage>=17.50 AND intexage<18) AND (bmival>=26.72) bmicat418=3.

IF sex=1 AND (intexage>=18 AND intexage<18.50) AND (bmival>=26.37) bmicat418=3.
IF sex=2 AND (intexage>=18 AND intexage<18.50) AND (bmival>=26.91) bmicat418=3.
IF sex=1 AND (intexage>=18.50 AND intexage<19) AND (bmival>=26.65) bmicat418=3.
IF sex=2 AND (intexage>=18.50 AND intexage<19) AND (bmival>=27.08) bmicat418=3.

IF bmiok<>1 bmicat418=-1.
if age<4 or age>=19 bmicat418=-1.

VAR LAB bmicat418 '(D) Age 4y-18.9y Childrens BMI standards (85th/95th centile) using
UK90'.
value labels bmicat418
1 'Normal-weight'
2 'Over-weight'
3 'Obese'.
```

BMICAT218 (D) Age 2y-18.9y BMI WHO(85th/95th centile) for 2-3.11 UK90 for 4-18y

1 Normal-weight
2 Over-weight
3 Obese

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SPSS Syntax

Compute bmicat218=0.
Do if age>= 4.
IF bmicat418>0 bmicat218= bmicat418.
end if.

Do if age< 4.
IF bmiwho>0 bmicat218= bmiwho.
end if.

IF bmiok<>1 bmicat218=-1.
if age<2 or age>=19 bmicat218=-1.
VAR LAB bmicat218 '(D) Age 2y-18.9y BMI WHO(85th/95th centile) for 2-3.11 UK90 for 4-
18y'.
value labels bmicat218
1 'Normal-weight'
2 'Over-weight'
3 'Obese'.
armval "(D) Valid Mean MUAC measurement(cm)".
```

SPANVAL (D) Valid mean span measurement (cm)

```
SPSS Syntax

COMPUTE spanval=-1.
DO IF spanok=1.
COMPUTE spanval=(span+span2)/2.
END IF.
VARIABLE LABEL spanval "(D) Valid mean span (cm)".
```

SPANHT (D) Height equivalent of demi span

```
SPSS Syntax

COMPUTE spanht=0.
IF sex=2 and spanval>0 spanht=(1.35 * spanval) + 60.1 .
IF sex=1 and spanval>0 spanht=(1.40 * spanval) + 57.8.
IF spanval=-1 spanht=-1.
VAR LAB spanht '(D) Height equivalent of demi span'.
```

WSTVAL (D) Valid mean waist measurement (cm)

```
SPSS Syntax

COMPUTE wstval=-1.
IF wstokb=1 wstval=(waist+waist2)/2.
IF wstokb=2 wstval=(waist+waist3)/2.
IF wstokb=3 wstval=(waist2+waist3)/2.
IF wstokb=4 wstval=(waist+waist2+waist3)/3.
VARIABLE LABEL wstval "(D) Valid mean waist measurement (cm)".
```

HIPVAL (D) Valid mean hip measurement (cm)

```
SPSS Syntax

COMPUTE hipval=-1.
IF hipokb=1 hipval=(hip+hip2)/2.
IF hipokb=2 hipval=(hip+hip3)/2.
IF hipokb=3 hipval=(hip2+hip3)/2.
IF hipokb=4 hipval=(hip+hip2+hip3)/3.
VARIABLE LABEL hipval "(D) Valid mean hip measurement (cm)".
```

WHVAL (D) Valid mean waist/hip ratio

```
SPSS Syntax

COMPUTE whval=-1.
IF whokb=1 whval=wstval/hipval.
VARIABLE LABEL whval "(D) Valid mean waist/hip ratio".
```

MENWHGP (D) Male waist/hip ratio groups – 16+

1 Less than 0.80
2 0.80, less than 0.85
3 0.85, less than 0.90
4 0.90, less than 0.95
5 0.95, less than 1.00
6 1.00 or more

```
SPSS Syntax

do if sex=1.
recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into menwhgp.
RECODE whval (1.00 THRU hi=6)(0.95 THRU 1.00=5)(0.90 THRU 0.95=4)(0.85 THRU 0.90=3)
(0.80 THRU 0.85=2)(0.01 THRU 0.80=1) into menwhgp.
end if.
if sex=2 menwhgp=-1.
if age<=15 menwhgp=-1.
VAR LAB menwhgp '(D) Male waist hip ratio groups - 16+'.
VAL LAB menwhgp
1 'Less than 0.80'
2 '0.80, less than 0.85'
3 '0.85, less than 0.90'
4 '0.90, less than 0.95'
5 '0.95, less than 1.00'
6 '1.00 or more'.
```

MENWHHI (D) Male high waist/hip ratio – 16+ (>=0.95)

1 Less than 0.95
2 0.95 or more

SPSS Syntax

```
do if.
recode menwhgp (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into menwhhi.
VAR LAB menwhhi '(D) Male high waist hip ratio - 16+(>=0.95)'.
VAL LAB menwhhi
1 'Less than 0.95'
2 '0.95 or more'.
end if.
if sex=2 menwhhi=-1.
if age<=15 menwhhi=-1.
```

MENWHGP2 (D) Male waist/hip ratio groups – 16+

1 0.80 or less
2 More than 0.80, up to and including 0.85
3 More than 0.85, up to and including 0.90
4 More than 0.90, up to and including 0.95
5 More than 0.95, up to and including 1.00
6 More than 1.00

SPSS syntax

```
do if sex=1.
recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into menwhgp2.
RECODE whval (1.000001 THRU hi=6)(0.95000001 THRU 1.00=5)(0.90000001 THRU
0.95=4)(0.85000001 THRU 0.90=3) (0.80000001 THRU 0.85=2)(0.01 THRU 0.80=1) into menwhgp2.
end if.
if sex=2 menwhgp2=-1.
if age<=15 menwhgp2=-1.
VAR LAB menwhgp2 '(D) Male waist/hip ratio groups - 16+'.
VAL LAB menwhgp2
1 '0.80 or less'
2 'more than 0.80, up to and including 0.85'
3 'more than 0.85, up to and including 0.90'
4 'more than 0.90, up to and including 0.95'
5 'more than 0.95, up to and including 1.00'
6 'more than 1.00'.
```

MENWHHI2 (D) Male high waist/hip ratio – 16+ (>0.95)

1 0.95 or lower
2 More than 0.95

SPSS syntax

```
do if.
recode menwhgp2 (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into menwhhi2.
end if.
if sex=2 menwhhi2=-1.
if age<=15 menwhhi2=-1.
VAR LAB menwhhi2 '(D) Male high waist hip ratio  - 16+ (>0.95)'.
VAL LAB menwhhi2
  1 '0.95 or lower'
  2 'more than 0.95'.
```

WOMWHGP (D) Female waist/hip ratio groups – 16+

1 Less than 0.70
2 0.70, less than 0.75
3 0.75, less than 0.80
4 0.80, less than 0.85
5 0.85, less than 0.90
6 0.90 or more
-90 Pregnant

SPSS Syntax

```
do if sex=2.
recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into womwhgp.
RECODE whval (0.90 THRU hi=6)(0.85 THRU 0.90=5)(0.80 THRU 0.85=4)(0.75 THRU 0.80=3)
(0.70 THRU 0.75=2)(0.01 THRU 0.70=1) into womwhgp.
end if.
if sex=1 womwhgp=-1.
if age<=15 womwhgp=-1.
VAR LAB womwhgp '(D) Female waist hip ratio groups - 16+'.
VAL LAB womwhgp
1 'Less than 0.70'
2 '0.70, less than 0.75'
3 '0.75, less than 0.80'
4 '0.80, less than 0.85'
5 '0.85, less than 0.90'
6 '0.90 or more'
-90 'Pregnant'.
```

WOMWHHI (D) Female high waist/hip ratio – 16+ (>=0.85)

1 Less than 0.85
2 0.85 or more
-90 Pregnant

SPSS Syntax

```
do if.
recode womwhgp (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into womwhhi.
end if.
if sex=1 womwhhi=-1.
if age<=15 womwhhi=-1.
VAR LAB womwhhi '(D) Female high waist hip ratio 16+ (>=0.85)'.
VAL LAB womwhhi
1 'Less than 0.85'
2 '0.85 or more'
-90 'Pregnant'.
```

WOMWHGP2 (D) Female waist/hip ratio groups – 16+

1 0.70 or less
2 More than 0.70, up to and including 0.75
3 More than 0.75, up to and including 0.80
4 More than 0.80, up to and including 0.85
5 More than 0.85, up to and including 0.90
6 More than 0.90
-90 Pregnant

SPSS Syntax

```
do if sex=2.
recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into womwhgp2.
RECODE whval (0.9000001 THRU hi=6)(0.85000001 THRU 0.90=5)(0.80000001 THRU
0.85=4)(0.75000001 THRU 0.80=3) (0.70000001 THRU 0.75=2)(0.01 THRU 0.70=1) into womwhgp2.
end if.
```

```
if sex=1 womwhgp2=-1
if age<=15 womwhgp2=-1.
VAR LAB womwhgp2 '(D) Female waist hip ratio groups - 16+'.
VAL LAB womwhgp2
1 '0.70 or less'
2 'more than 0.70, up to and including 0.75'
3 'more than 0.75, up to and including 0.80'
4 'more than 0.80, up to and including 0.85'
5 'more than 0.85, up to and including 0.90'
6 'more than 0.90'
-90 'Pregnant'.
```

WOMWHHI2 (D) Female high waist/hip ratio – 16+ (>0.85)

1 0.85 or lower
2 More than 0.85
-90 Pregnant

```
SPSS Syntax

do if.
recode womwhgp2 (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into womwhhi2.
end if.
if sex=1 womwhhi2=-1.
if age<=15 womwhhi2=-1.
VAR LAB womwhhi2 '(D) Female high waist hip ratio 16+ (>0.85)'.
VAL LAB womwhhi2
1 '0.85 or lower'
2 'More than 0.85'
-90 'Pregnant'.
```

MWSTHI (D) Male high waist circumference (>102cm)

1 Less than or equal to 102cm
2 More than 102cm

```
SPSS Syntax

do if sex=1 .
RECODE wstval (45 thru 102=1) (102.000001 thru Highest=2) (else=copy) INTO mwsthi.
END IF.
if sex=2 mwsthi=-1.
VARIABLE LABEL mwsthi '(D) Male high waist circumference'.
VALUE LABELS mwsthi
1 'Less than or equal to 102cm'
2 'More than 102cm'.
```

FWSTHI (D) Female high waist circumference (>88cm)

1 Less than or equal to 88cm
2 More than 88cm

```
SPSS Syntax

do if sex=2 .
RECODE wstval (45 thru 88=1)  (88.000001 thru Highest=2) (else=copy) INTO  fwsthi.
END IF
if sex=1 fwsthi=-1.
VARIABLE LABEL fwsthi '(D) Female high waist circumference'.
VALUE LABELS fwsthi
1 'Less than or equal to 88cm'
2 'More than 88cm'.
```

RPAQ

Leisure activities

SWIMLEIS: (D) Swimming leisurely (indoor & outdoor) - number of times in last 4 weeks

1 None
2 Once in the last 4 weeks
3 2 to 3 times in the last 4 weeks
4 Once a week
3 2 to 3 times a week
4 4 to 5 times a week
5 Everyday

SPSS Syntax

```
compute swimleis=0.
if (swiminno=swimotno) swimleis=swiminno.
if (swiminno>swimotno) swimleis=swiminno.
if (swiminno<swimotno) swimleis=swimotno.
var lab swimleis "(D) Swimming leisurely (indoor & outdoor) - number of times in last 4
weeks".
val lab swimleis
 1 'None'
 2 'Once in the last 4 weeks'
 3 '2 to 3 times in the last 4 weeks'
 4 'Once a week'
 5 '2 to 3 times a week'
 6 '4 to 5 times a week'
 7 'Everyday'.
```

SWIMLEISHR: (D) Swimming leisurely (indoor & outdoor) – average time (hours)
SWIMLEISMIN: (D) Swimming leisurely (indoor & outdoor) – average time (minutes)

SPSS Syntax

```
if swiminth=-1 | swimotth=-1 swimleishr=-1.
if swiminth=-8 | swimotth=-8 swimleishr=-8.
if swiminth>=0 swimleishr=swiminth.
if swimotth>=0 swimleishr=swimotth.
if (swiminth>=0 & swimotth>=0) swimleishr=swiminth+swimotth.
var lab swimleishr "(D) Swimming leisurely (indoor & outdoor) - average time (hours)".

if swimintm=-1 | swimottm=-1 swimleismin=-1.
if swimintm=-8 | swimottm=-8 swimleismin=-8.
if swimintm>=0 swimleismin=swimintm.
if swimottm>=0 swimleismin=swimottm.
if (swimintm>=0 & swimottm>=0) swimleismin=swimintm+swimottm.
compute xxx=-1.
if swimleismin>=60 xxx=trunc(swimleismin/60).
if swimleismin>=60 swimleismin=swimleismin-60.
if xxx>0 swimleishr=swimleishr+xxx.
var lab swimleismin "(D) Swimming leisurely (indoor & outdoor) - average time (minutes)".
```

BOWLING: (D) Bowling (indoor & outdoor) - number of times in last 4 weeks

1 None
2 Once in the last 4 weeks
3 2 to 3 times in the last 4 weeks
4 Once a week
5 2 to 3 times a week
6 4 to 5 times a week
7 Everyday

SPSS Syntax

```
compute bowling=0.
if (bowlinno=bowlotno) bowling=bowlinno.
if (bowlinno>bowlotno) bowling=bowlinno.
if (bowlinno<bowlotno) bowling=bowlotno.
var lab bowling "(D) Bowling (indoor & outdoor) - number of times in last 4 weeks".
val lab bowling
 1 'None'
 2 'Once in the last 4 weeks'
 3 '2 to 3 times in the last 4 weeks'
 4 'Once a week'
 5 '2 to 3 times a week'
 6 '4 to 5 times a week'
 7 'Everyday'.
```

BOWLINGHR: (D) Bowling (indoor & outdoor) – average time (hours)
BOWLINGMIN: (D) Bowling (indoor & outdoor) – average time (minutes)

SPSS Syntax

```
if bowlinth=-1 | bowlotth=-1 bowlinghr=-1.
if bowlinth=-8 | bowlotth=-8 bowlinghr=-8.
if bowlinth>=0 bowlinghr=bowlinth.
if bowlotth>=0 bowlinghr=bowlotth.
if (bowlinth>=0 & bowlotth>=0) bowlinghr=bowlinth+bowlotth.
var lab bowlinghr "(D) Bowling (indoor & outdoor) - average time (hours)".

if bowlintm=-1 | bowlottm=-1 bowlingmin=-1.
if bowlintm=-8 | bowlottm=-8 bowlingmin=-8.
if bowlintm>=0 bowlingmin=bowlintm.
if bowlottm>=0 bowlingmin=bowlottm.
if (bowlintm>=0 & bowlottm>=0) bowlingmin=bowlintm+bowlottm.
compute xxx=-1.
if bowlingmin>=60 xxx=trunc(bowlingmin/60).
if bowlingmin>=60 bowlingmin=bowlingmin-60.
if xxx>0 bowlinghr=bowlinghr+xxx.
var lab bowlingmin "(D) Bowling (indoor & outdoor) - average time (minutes)".
```

TENNISBADMINTON: (D) Tennis (indoor & outdoor) and badminton- number of times in last 4 weeks

1 None
2 Once in the last 4 weeks
3 2 to 3 times in the last 4 weeks
4 Once a week
5 2 to 3 times a week
6 4 to 5 times a week
7 Everyday

```
SPSS Syntax

compute xxtennis=0.
if (teninno=tenotno) xxtennis=teninno.
if (teninno>tenotno) xxtennis=teninno.
if (teninno<tenotno) xxtennis=tenotno.
freq xxtennis.
compute tennisbadminton=0.
if (xxtennis=badno) tennisbadminton=xxtennis.
if (xxtennis>badno) tennisbadminton=xxtennis.
if (xxtennis<badno) tennisbadminton=badno.
var lab tennisbadminton "(D) Tennis (indoor & outdoor) and badminton - number of times in
last 4 weeks".
val lab tennisbadminton
 1 'None'
 2 'Once in the last 4 weeks'
 3 '2 to 3 times in the last 4 weeks'
 4 'Once a week'
 5 '2 to 3 times a week'
 6 '4 to 5 times a week'
 7 'Everyday'.
```

TENNISBADMINTONHR: (D) Tennis (indoor & outdoor) and badminton – average time (hours)
TENNISBADMINTONMIN: (D) Tennis (indoor & outdoor) and badminton – average time (minutes)

```
SPSS Syntax

if (teninth=-1 | tenotth=-1 | badth=-1) tennisbadmintonhr=-1.
if (teninth=-8 | tenotth=-8 | badth=-8) tennisbadmintonhr=-8.
if teninth>=0 tennisbadmintonhr=teninth.
if tenotth>=0 tennisbadmintonhr=tenotth.
if badth>=0 tennisbadmintonhr=badth.
if (teninth>=0 & tenotth>=0) tennisbadmintonhr=teninth+tenotth.
if (teninth>=0 & badth>=0) tennisbadmintonhr=teninth+badth.
if (badth>=0 & tenotth>=0) tennisbadmintonhr=badth+tenotth.
if (teninth>=0 & tenotth>=0 & badth>=0) tennisbadmintonhr=teninth+tenotth+badth.
var lab tennisbadmintonhr "(D) Tennis (indoor & outdoor) and badminton - average time
(hours)".

if (tenintm=-1 | tenottm=-1 | badtm=-1) tennisbadmintonmin=-1.
if (tenintm=-8 | tenottm=-8 | badtm=-8) tennisbadmintonmin=-8.
if tenintm>=0 tennisbadmintonmin=tenintm.
if tenottm>=0 tennisbadmintonmin=tenottm.
if badtm>=0 tennisbadmintonmin=badtm.
if (tenintm>=0 & tenottm>=0) tennisbadmintonmin=tenintm+tenottm.
if (tenintm>=0 & badtm>=0) tennisbadmintonmin=tenintm+badtm.
if (badtm>=0 & tenottm>=0) tennisbadmintonmin=badtm+tenottm.
if (tenintm>=0 & tenottm>=0 & badtm>=0) tennisbadmintonmin=tenintm+tenottm+badtm.
compute xxx=-1.
if tennisbadmintonmin>=60 xxx=trunc(tennisbadmintonmin/60).
if tennisbadmintonmin>=60 tennisbadmintonmin=tennisbadmintonmin-60.
if xxx>0 tennisbadmintonhr=tennisbadmintonhr+xxx.
var lab tennisbadmintonmin "(D) Tennis (indoor & outdoor) and badminton - average time
(minutes)".
```

FOOTBALLRUGBYHOCKEY: (D) Football, rugby, hockey (indoor & outdoor) - number of times in last 4 weeks

1 None
2 Once in the last 4 weeks
3 2 to 3 times in the last 4 weeks
4 Once a week
5 2 to 3 times a week
6 4 to 5 times a week
7 Everyday

SPSS Syntax

```
compute footballrugbyhockey=0.
if (fbllinno=fbllotno) footballrugbyhockey=fbllinno.
if (fbllinno>fbllotno) footballrugbyhockey=fbllinno.
if (fbllinno<fbllotno) footballrugbyhockey=fbllotno.
var lab footballrugbyhockey "(D) Football, rugby, hockey (indoor & outdoor) - number of
times in last 4 weeks".
val lab footballrugbyhockey
 1 'None'
 2 'Once in the last 4 weeks'
 3 '2 to 3 times in the last 4 weeks'
 4 'Once a week'
 5 '2 to 3 times a week'
 6 '4 to 5 times a week'
 7 'Everyday'.
```

FOOTBALLRUGBYHOCKEYHR: (D) Football, rugby, hockey (indoor & outdoor) – average time (hours)

FOOTBALLRUGBYHOCKEYMIN: (D) Football, rugby, hockey (indoor & outdoor) – average time (minutes)

SPSS Syntax

```
if fbllinth=-1 | fbllotth=-1 footballrugbyhockeyhr=-1.
if fbllinth=-8 | fbllotth=-8 footballrugbyhockeyhr=-8.
if fbllinth>=0 footballrugbyhockeyhr=fbllinth.
if fbllotth>=0 footballrugbyhockeyhr=fbllotth.
if (fbllinth>=0 & fbllotth>=0) footballrugbyhockeyhr=fbllinth+fbllotth.
var lab footballrugbyhockeyhr "(D) Football, rugby, hockey (indoor & outdoor) - average
time (hours)".

if fbllintm=-1 | fbllottm=-1 footballrugbyhockeymin=-1.
if fbllintm=-8 | fbllottm=-8 footballrugbyhockeymin=-8.
if fbllintm>=0 footballrugbyhockeymin=fbllintm.
if fbllottm>=0 footballrugbyhockeymin=fbllottm.
if (fbllintm>=0 & fbllottm>=0) footballrugbyhockeymin=fbllintm+fbllottm.
compute xxx=-1.
if footballrugbyhockeymin>=60 xxx=trunc(footballrugbyhockeymin/60).
if footballrugbyhockeymin>=60 footballrugbyhockeymin=footballrugbyhockeymin-60.
if xxx>0 footballrugbyhockeyhr=footballrugbyhockeyhr+xxx.
var lab footballrugbyhockeymin "(D) Football, rugby, hockey (indoor & outdoor) - average
time (minutes)".
```

NETVOLLEYBASKETBALL: (D) Netball, volleyball, basketball (indoor & outdoor) - number of times in last 4 weeks

1 None
2 Once in the last 4 weeks
3 2 to 3 times in the last 4 weeks
4 Once a week
5 2 to 3 times a week
6 4 to 5 times a week
7 Everyday

SPSS Syntax

```
compute netvolleybasketball=0.
if (netbinno=netbotno) netvolleybasketball=netbinno.
if (netbinno>netbotno) netvolleybasketball=netbinno.
if (netbinno<netbotno) netvolleybasketball=netbotno.
var lab netvolleybasketball "(D) Netball, volleyball, basketball (indoor & outdoor) -
number of times in last 4 weeks".
val lab netvolleybasketball
 1 'None'
 2 'Once in the last 4 weeks'
 3 '2 to 3 times in the last 4 weeks'
 4 'Once a week'
 5 '2 to 3 times a week'
 6 '4 to 5 times a week'
 7 'Everyday'.
```

NETVOLLEYBASKETBALLHR: (D) Netball, volleyball, basketball (indoor & outdoor) – average time (hours)

NETVOLLEYBASKETBALLMIN: (D) Netball, volleyball, basketball (indoor & outdoor) – average time (minutes)

SPSS Syntax

```
if netbinth=-1 | netbotth=-1 netvolleybasketballhr=-1.
if netbinth=-8 | netbotth=-8 netvolleybasketballhr=-8.
if netbinth>=0 netvolleybasketballhr=netbinth.
if netbotth>=0 netvolleybasketballhr=netbotth.
if (netbinth>=0 & netbotth>=0) netvolleybasketballhr=netbinth+netbotth.
var lab netvolleybasketballhr "(D) Netball, volleyball, basketball (indoor & outdoor) -
average time (hours)".

if netbintm=-1 | netbottm=-1 netvolleybasketballmin=-1.
if netbintm=-8 | netbottm=-8 netvolleybasketballmin=-8.
if netbintm>=0 netvolleybasketballmin=netbintm.
if netbottm>=0 netvolleybasketballmin=netbottm.
if (netbintm>=0 & netbottm>=0) netvolleybasketballmin=netbintm+netbottm.
compute xxx=-1.
if netvolleybasketballmin>=60 xxx=trunc(netvolleybasketballmin/60).
if netvolleybasketballmin>=60 netvolleybasketballmin=netvolleybasketballmin-60.
if xxx>0 netvolleybasketballhr=netvolleybasketballhr+xxx.
var lab netvolleybasketballhr "(D) Netball, volleyball, basketball (indoor & outdoor) -
average time (minutes)"
```

WLKSCWT: (D) Weekly time walking to and from school (minutes)

SPSS syntax

```
Compute WlkScWT=0.
IF ((SchD > 0) & RANGE(SCH7D2, 1,3)) & ANY(JWlkCyc, 1, 3) & (JWlkDT>=0 & JWLKTIM>=0)
WlkScWT=WlkScWT + (JWlkDT *JWlkTim).
IF ((SchD > 0) & RANGE(SCH7D2, 1,3)) & ANY(JWlkCyc, 1, 3) & (JWlkDF>=0 & JWLKTIM>=0)
WlkScWT=WlkScWT + (JWlkDF*JWlkTim).
IF any(-8, Jwlktim, JWlkDT, JWlkDF) WlkScWT=-8.
IF any(-9, Jwlktim, JWlkDT, JWlkDF) WlkScWT=-9.
IF Age>15 | Age<2 WlkScWT=-1.
```

```
variable label WlkScWT "(D) Weekly time walking to and from school (minutes)".
```

WLKSCWTG: (D) Weekly time walking to and from school (grouped)

```
SPSS syntax

compute WLKSCWTG=-1.
if WlkScWT=0 WLKSCWTG=0.
if range(WlkScWT,0.0001,59.9999) WLKSCWTG=1.
if range(WlkScWT,60,119.9999) WLKSCWTG=2.
if range(WlkScWT,120,179.999) WLKSCWTG=3.
if range(WlkScWT,180,25000) WLKSCWTG=4.
variable label wlkscwtg "(D) Weekly time walking to and from school (grouped)".
```

WLKSCDT: (D) Average daily time talking to and from school (minutes)

```
SPSS syntax

Compute WlkScDT=WlkScWT.
IF ((SchD>0) & RANGE(SCH7D2,1,3))&(ANY(JWlkCyc,1,3)&(WlkScWT>=0)) WlkScDT=WlkScWT/SchD.
variable label wlkscdt "(D) Average daily time talking to and from school (minutes)".
```

WALKDAYS: (D) Number of days walked to/from school in last week

```
SPSS syntax

compute walkdays=-5.
if jwlkdt=jwlkdf walkdays=jwlkdt.
if jwlkcyc=2 OR jwlkcyc=4 walkdays=0.
if jwlkdt > jwlkdf walkdays=jwlkdt.
if jwlkdf > jwlkdt walkdays=jwlkdf.
IF any(-8, JWlkDT, JWlkDF) walkdays=-8.
IF any(-9, JWlkDT, JWlkDF) walkdays=-9.
if age<2 | age>15 walkdays=-1.
variable label walkdays "(D) Number of days walked to/from school in last week".
```

WALKGRP: (D) Number of days walked to/from school in last week (grouped)

```
SPSS syntax

recode walkdays (0=0)(1=1)(2=2)(3 thru 4=3)(5 thru 6=4)(else=copy) into walkgrp.
variable label walkgrp "(D) Number of days walked to/from school in last week (grouped)".
```

CYCSCWT: (D) Weekly time cycling to and from school (minutes)

```
SPSS syntax

Compute CycScWT=0.
IF ((SchD> 0) & RANGE(SCH7D2, 1,3)) & ANY(JWlkCyc, 2, 3) & (JCycDT>=0 & JCYCTIM>=0)
CycScWT=CycScWT +(JCycDT *JCycTim).
IF ((SchD> 0) & RANGE(SCH7D2, 1,3)) & ANY(JWlkCyc, 2, 3) & (JCycDF>=0 & JCYCTIM>=0)
CycScWT=CycScWT +(JCycDF*JCycTim).
IF any(-8, JCycTim, JCycDT, JCycDF) CycScWT=-8.
IF any(-9, JCycTim, JCycDT, JCycDF) CycScWT=-9.
IF Age>15 | Age<2 CycScWT=-1.
variable label cycscwt "(D) Weekly time cycling to and from school (minutes)".
```

CYCSCWTG: (D) Weekly time cycling to and from school (grouped)

```
SPSS syntax

compute CycScWTG=-1.
if CYCScWT=0 CycScWTG=0.
if range(CYCScWT,1,59) CycScWTG=1.
if range(CYCScWT,60,119) CycScWTG=2.
if range(CYCScWT,120,179) CycScWTG=3.
if range(CYCScWT,180,1599) CycScWTG=4.
variable label cycscwtg "(D) Weekly time cycling to and from school (grouped)".
```

CYCSCDT: (D) Average daily time cycling to and from school (minutes)

```
SPSS syntax

Compute CycScDT=CycScWT .
IF ((SchD>0) & RANGE(SCH7D2,1,3)) & (ANY(JWlkCyc,2,3) & (CycScWT>=0))
CycScDT=CycScWT/SchD.
variable label cycscdt "(D) Average daily time cycling to and from school (minutes)".
```

DAYSBIKE: (D) Number of days cycled to/from school in last week

```
SPSS syntax

compute daysbike=-5.
if jcycdt=jcycdf daysbike=jcycdt.
if jwlkcyc=1 OR jwlkcyc=4 daysbike=0.
if jcycdt > jcycdf daysbike=jcycdt.
if jcycdf > jcycdt daysbike=jcycdf.
IF any(-8, jcycdt, jcycdf) daysbike=-8.
IF any(-9, jcycdt, jcycdf) daysbike=-9.
if age<2 | age>15 daysbike=-1.
variable label daysbike "(D) Number of days cycled to/from school in last week".
```

BIKEGRP: (D) Number of days cycled to/from school in last week (grouped)

```
SPSS syntax

recode daysbike (0=0)(1=1)(2=2)(3 thru 4=3)(5 thru 6=4)(else=copy) into bikegrp.
variable label bikegrp "(D) Number of days cycled to/from school in last week (grouped)".
```

ACTRANWT: (D) Weekly time for active transportation to and from school (minutes)

```
SPSS syntax

Compute AcTranWT=0.
IF ((SchD>0) & RANGE(SCH7D2, 1,3)) & ANY(JWlkCyc, 1, 3) & (JWlkDT>=0 & JWLKTIM>=0)
AcTranWT=AcTranWT+(JWlkDT *JWlkTim).
IF ((SchD>0) & RANGE(SCH7D2, 1,3)) & ANY(JWlkCyc, 1, 3) & (JWlkDF>=0 & JWLKTIM>=0)
AcTranWT=AcTranWT+(JWlkDF*JWlkTim).
IF ((SchD>0) & RANGE(SCH7D2, 1,3)) & ANY(JWlkCyc, 2, 3) & (JCycDT>=0 & JCYCTIM>=0)
AcTranWT=AcTranWT+(JCycDT *JCycTim).
IF ((SchD>0) & RANGE(SCH7D2, 1,3)) & ANY(JWlkCyc, 2, 3) & (JCycDF>=0 & JCYCTIM>=0)
AcTranWT=AcTranWT+(JCycDF*JCycTim).
IF any(-8, Jwlktim, JWlkDT, JWlkDF, JCycTim, JCycDT, JCycDF) AcTranWT=-8.
IF any(-9, Jwlktim, JWlkDT, JWlkDF, JCycTim, JCycDT, JCycDF) AcTranWT=-9.
IF Age>15 | Age<2 AcTranWT=-1.
variable label actranwt "(D) Weekly time for active transportation to and from school
(minutes)".
```

ACTRANDT: (D) Average daily time for active transportation to and from school (minutes)

```
SPSS syntax

Compute AcTranDT=AcTranWT.
IF ((SchD>0) & RANGE(SCH7D2, 1,3)) & (AcTranWT>=0) AcTranDT=(AcTranWT/SchD).
variable label actrandt "(D) Average daily time for active transportation to and from
school (minutes)".
```

CYCTOT: (D) Total time spent cycling (not to/from school) last week (mins)

```
SPSS syntax

compute cyctot=0.
IF nspatT1>=0 cyctot = cyctot + nspatT1.
IF nspatT2>=0 cyctot = cyctot + nspatT2.
IF nspatT3>=0 cyctot = cyctot + nspatT3.
IF nspatT4>=0 cyctot = cyctot + nspatT4.
IF nspatT5>=0 cyctot = cyctot + nspatT5.
IF wepat1>=0 cyctot = cyctot + wepat1.
IF wepat2>=0 cyctot = cyctot + wepat2.
```

```
IF any(-8, nspatT1, nspatT2, nspatT3, nspatT4, nspatT5, wepat1, wepat2) cyctot =-8.
IF any(-9, nspatT1, nspatT2, nspatT3, nspatT4, nspatT5, wepat1, wepat2) cyctot =-9.
IF (age>15 | age<2) cyctot =-1.
variable label cyctot "(D) Total time spent cycling (not to/from school) last week
(mins)".
```

CYCTOTG: (D) Time spent cycling (not to/from school) in last 7 days (grouped)

```
SPSS syntax

COMPUTE cyctotg=-5.
IF cyctot>0 & cyctot<60 cyctotg=1.
IF cyctot>=60 & cyctot<180 cyctotg=2.
IF cyctot>=180 & cyctot<300 cyctotg=3.
IF cyctot>=300 & cyctot<420 cyctotg=4.
IF cyctot>=420 cyctotg=5.
IF cyctot<=0 cyctotg=cyctot.
variable label cyctotg "(D) Time spent cycling (not to/from school) in last 7 days
(grouped)".
```

CYCLE: (D) Any cycling (not to/from school) last week

```
SPSS syntax

Recode cyctot (1 thru hi=1) (else=copy) into cycle.
variable label cycle "(D) Any cycling (not to/from school) last week ".
```

CYCDAYS: (D) Number of days cycling (not to/from school) last week

```
SPSS syntax

compute cycdays=0.
IF nspatT1>=1 cycdays=cycdays+1.
IF nspatT2>=1 cycdays=cycdays+1.
IF nspatT3>=1 cycdays=cycdays+1.
IF nspatT4>=1 cycdays=cycdays+1.
IF nspatT5>=1 cycdays=cycdays+1.
IF wepat1>=1 cycdays=cycdays+1.
IF wepat2>=1 cycdays=cycdays+1.
IF age>15 | age<2 cycdays=-1.
IF any(-8, nspatT1, nspatT2, nspatT3, nspatT4, nspatT5, wepat1, wepat2) cycdays=-8.
IF any(-9, nspatT1, nspatT2, nspatT3, nspatT4, nspatT5, wepat1, wepat2) cycdays=-9.
variable label cycdays "(D) Number of days cycling (not to/from school) last week".
```

CYCDAYS: (D) Number of days cycling (not to/from school) last week

```
SPSS syntax

compute cycdays=0.
IF nspatT1>=1 cycdays=cycdays+1.
IF nspatT2>=1 cycdays=cycdays+1.
IF nspatT3>=1 cycdays=cycdays+1.
IF nspatT4>=1 cycdays=cycdays+1.
IF nspatT5>=1 cycdays=cycdays+1.
IF wepat1>=1 cycdays=cycdays+1.
IF wepat2>=1 cycdays=cycdays+1.
IF age>15 | age<2 cycdays=-1.
IF any(-8, nspatT1, nspatT2, nspatT3, nspatT4, nspatT5, wepat1, wepat2) cycdays=-8.
IF any(-9, nspatT1, nspatT2, nspatT3, nspatT4, nspatT5, wepat1, wepat2) cycdays=-9.
variable label cycdays "(D) Number of days cycling (not to/from school) last week".
```

WLKTOT: (D) Total time spent walking (not to/from school) last week (mins)

```
SPSS syntax

compute wlktot=0.
IF nspatT6>=0 wlktot= wlktot+ nspatT6.
```

```
IF nspatT7>=0 wlktot= wlktot+ nspatT7.
IF nspatT8>=0 wlktot= wlktot+ nspatT8.
IF nspatT9>=0 wlktot= wlktot+ nspatT9.
IF nspatT10>=0 wlktot= wlktot+ nspatT10.
IF wepat3>=0 wlktot= wlktot+ wepat3.
IF wepat4>=0 wlktot= wlktot+ wepat4.
IF any(-8, nspatT6, nspatT7, nspatT8, nspatT9, nspatT10, wepat3, wepat4, nswa) wlktot=-8.
IF any(-9, nspatT6, nspatT7, nspatT8, nspatT9, nspatT10, wepat3, wepat4, nswa) wlktot=-9.
IF age>15 | age<2 wlktot=-1.
variable label wlktot "(D) Total time spent walking (not to/from school) last week
(mins)".
```

WLKTOTG: (D) Time spent walking (not to/from school) in last 7 days (grouped)

```
SPSS syntax

COMPUTE wlktotg=-5.
IF wlktot>0 & wlktot<60 wlktotg=1.
IF wlktot>=60 & wlktot<180 wlktotg=2.
IF wlktot>=180 & wlktot<300 wlktotg=3.
IF wlktot>=300 & wlktot<420 wlktotg=4.
IF wlktot>=420 wlktotg=5.
IF wlktot<=0 wlktotg=wlktot.
variable label wlktotg "(D) Time spent walking (not to/from school) in last 7 days
(grouped)".
```

WALK: (D) Any walking (not to/from school) last week?

```
SPSS syntax

Recode wlktot (1 thru hi=1) (else=copy) into walk.
variable label walk "(D) Any walking (not to/from school) last week?".
```

WLKDAYS: (D) Number of days walking (not to/from school) last week

```
SPSS syntax

compute wlkdays=0.
IF nspatT6>=1 wlkdays=wlkdays+1.
IF nspatT7>=1 wlkdays=wlkdays+1.
IF nspatT8>=1 wlkdays=wlkdays+1.
IF nspatT9>=1 wlkdays=wlkdays+1.
IF nspatT10>=1 wlkdays=wlkdays+1.
IF wepat3>=1 wlkdays=wlkdays+1.
IF wepat4>=1 wlkdays=wlkdays+1.
IF age>15 | age<2 wlkdays=-1.
IF any(-8,nspatT6, nspatT7, nspatT8, nspatT9, nspatT10, wepat3, wepat4, nswa) wlkdays=-8.
IF any(-9,nspatT6, nspatT7, nspatT8, nspatT9, nspatT10, wepat3, wepat4, nswa) wlkdays=-9.
variable label wlkdays "(D) Number of days walking (not to/from school) last week".
```

INFWALKGRP: (D) Number of days informal walking

```
SPSS syntax

compute infwalkgrp=-5.
if wlkdays=0 infwalkgrp=0.
if wlkdays=1 infwalkgrp=1.
if wlkdays=2 infwalkgrp=2.
if range(wlkdays,3,4) infwalkgrp=3.
if range(wlkdays,5,7) infwalkgrp=4.
if wlkdays<0 infwalkgrp=wlkdays.
if (age<2|age>15) infwalkgrp=-1.
variable label infwalkgrp "(D) Number of days informal walking".
```

HOOVTOT: (D) Total time spent housework/gardening last week (mins)

```
SPSS syntax

compute hoovtot=0.
```

```
IF nspatT11>=0 hoovtot = hoovtot + nspatT11.
IF nspatT12>=0 hoovtot = hoovtot + nspatT12.
IF nspatT13>=0 hoovtot = hoovtot + nspatT13.
IF nspatT14>=0 hoovtot = hoovtot + nspatT14.
IF nspatT15>=0 hoovtot = hoovtot + nspatT15.
IF wepat5>=0 hoovtot = hoovtot + wepat5.
IF wepat6>=0 hoovtot = hoovtot + wepat6.
IF any(-8, nspatT11, nspatT12, nspatT13, nspatT14, nspatT15, wepat5, wepat6) hoovtot=-8.
IF any(-9, nspatT11, nspatT12, nspatT13, nspatT14, nspatT15, wepat5, wepat6) hoovtot=-9.
IF age>15 | age<2 hoovtot =-1.
variable label hoovtot "(D) Total time spent housework/gardening last week (mins)".
```

HOOV: (D) Any housework/gardening last week?

```
SPSS syntax

Recode hoovtot (1 thru hi=1) (else=copy) into hoov.
variable label hoov "(D) Any housework/gardening last week?".
```

HOOVDAYS: (D) Number of days housework/gardening last week

```
SPSS syntax

compute hoovdays=0.
IF nspatT11>=1 hoovdays=hoovdays+1.
IF nspatT12>=1 hoovdays=hoovdays+1.
IF nspatT13>=1 hoovdays=hoovdays+1.
IF nspatT14>=1 hoovdays=hoovdays+1.
IF nspatT15>=1 hoovdays=hoovdays+1.
IF wepat5>=1 hoovdays=hoovdays+1.
IF wepat6>=1 hoovdays=hoovdays+1.
IF any(-8, nspatT11, nspatT12, nspatT13, nspatT14, nspatT15, wepat5, wepat6) hoovdays=-8.
IF any(-9, nspatT11, nspatT12, nspatT13, nspatT14, nspatT15, wepat5, wepat6) hoovdays=-9.
IF age>15 | age<2 hoovdays=-1.
variable label hoovdays "(D) Number of days housework/gardening last week".
```

HOPTOT: (D) Total time spent hopscotching last week (mins)

```
SPSS syntax

compute hoptot=0.
IF nspatT16>=0 hoptot = hoptot + nspatT16.
IF nspatT17>=0 hoptot = hoptot + nspatT17.
IF nspatT18>=0 hoptot = hoptot + nspatT18.
IF nspatT19>=0 hoptot = hoptot + nspatT19.
IF nspatT20>=0 hoptot = hoptot + nspatT20.
IF wepat7>=0 hoptot = hoptot + wepat7.
IF wepat8>=0 hoptot = hoptot + wepat8.
IF any(-8, nspatT16, nspatT17, nspatT18, nspatT19, nspatT20, wepat7, wepat8) hoptot =-8.
IF any(-9, nspatT16, nspatT17, nspatT18, nspatT19, nspatT20, wepat7, wepat8) hoptot =-9.
IF age>15 | age<2 hoptot =-1.
variable label hoptot "(D) Total time spent hopscotching last week (mins)".
```

HOPTOTG: (D) Time spent playing hopscotch in last 7 days (grouped)

```
SPSS syntax

COMPUTE hoptotg=-5.
IF hoptot>0 & hoptot<60 hoptotg=1.
IF hoptot>=60 & hoptot<180 hoptotg=2.
IF hoptot>=180 & hoptot<300 hoptotg=3.
IF hoptot>=300 & hoptot<420 hoptotg=4.
IF hoptot>=420 hoptotg=5.
IF hoptot<=0 hoptotg=hoptot.
variable label hoptotg "(D) Time spent playing hopscotch in last 7 days (grouped)".
```

HOPDAYS: (D) Number of days playing hopscotch last week

```
SPSS syntax
```

```
compute hopdays=0.
IF nspatT16>=1 hopdays=hopdays+1.
IF nspatT17>=1 hopdays=hopdays+1.
IF nspatT18>=1 hopdays=hopdays+1.
IF nspatT19>=1 hopdays=hopdays+1.
IF nspatT20>=1 hopdays=hopdays+1.
IF wepat7>=1 hopdays=hopdays+1.
IF wepat8>=1 hopdays=hopdays+1.
IF age>15 | age<2 hopdays=-1.
IF any(-8, nspatT16, nspatT17, nspatT18, nspatT19, nspatT20, wepat7, wepat8) hopdays=-8.
IF any(-9, nspatT16, nspatT17, nspatT18, nspatT19, nspatT20, wepat7, wepat8) hopdays=-9.
variable label hopdays "(D) Number of days playing hopscotch last week".
```

TRAMTOT: (D) Total time spent trampolining last week (mins)

SPSS syntax

```
compute tramtot=0.
IF nspatT21>=0 tramtot = tramtot + nspatT21.
IF nspatT22>=0 tramtot = tramtot + nspatT22.
IF nspatT23>=0 tramtot = tramtot + nspatT23.
IF nspatT24>=0 tramtot = tramtot + nspatT24.
IF nspatT25>=0 tramtot = tramtot + nspatT25.
IF wepat9>=0 tramtot = tramtot + wepat9.
IF wepat10>=0 tramtot = tramtot + wepat10.
IF any(-8, nspatT21, nspatT22, nspatT23, nspatT24, nspatT25, wepat9, wepat10)tramtot =-8.
IF any(-9, nspatT21, nspatT22, nspatT23, nspatT24, nspatT25, wepat9, wepat10)tramtot =-9.
IF age>15 | age<2 tramtot =-1.
variable label tramtot "(D) Total time spent trampolining last week (mins)".
```

TRAMTOTG: (D) Time spent doing trampolining in last 7 days (grouped)

SPSS syntax

```
COMPUTE tramtotg=-5.
IF tramtot>0 & tramtot<60 tramtotg=1.
IF tramtot>=60 & tramtot<180 tramtotg=2.
IF tramtot>=180 & tramtot<300 tramtotg=3.
IF tramtot>=300 & tramtot<420 tramtotg=4.
IF tramtot>=420 tramtotg=5.
IF tramtot<=0 tramtotg=tramtot.
variable label tramtotg "(D) Time spent doing trampolining in last 7 days (grouped)".
```

TRAMDAYS: (D) Number of days trampolining last week

SPSS syntax

```
compute tramdays=0.
IF nspatT21>=1 tramdays=tramdays+1.
IF nspatT22>=1 tramdays=tramdays+1.
IF nspatT23>=1 tramdays=tramdays+1.
IF nspatT24>=1 tramdays=tramdays+1.
IF nspatT25>=1 tramdays=tramdays+1.
IF wepat9>=1 tramdays=tramdays+1.
IF wepat10>=1 tramdays=tramdays+1.
IF any(-8, nspatT21, nspatT22, nspatT23, nspatT24, nspatT25, wepat9, wepat10)tramdays=-8.
IF any(-9, nspatT21, nspatT22, nspatT23, nspatT24, nspatT25, wepat9, wepat10)tramdays=-9.
IF age>15 | age<2 tramdays=-1.
variable label tramdays "(D) Number of days trampolining last week".
```

PLAYTOT: (D) Total time spent playing last week (mins)

SPSS syntax

```
compute playtot=0.
IF nspatT26>=0 playtot = playtot + nspatT26.
IF nspatT27>=0 playtot = playtot + nspatT27.
IF nspatT28>=0 playtot = playtot + nspatT28.
```

```
IF nspatT29>=0 playtot = playtot + nspatT29.
IF nspatT30>=0 playtot = playtot + nspatT30.
IF wepat11>=0 playtot = playtot + wepat11.
IF wepat12>=0 playtot = playtot + wepat12.
IF any(-8, nspatT26, nspatT27, nspatT28, nspatT29, nspatT30, wepat11, wepat12)playtot=-8.
IF any(-9, nspatT26, nspatT27, nspatT28, nspatT29, nspatT30, wepat11, wepat12)playtot=-9.
IF age>15 | age<2 playtot =-1.
variable label playtot "(D) Total time spent playing last week (mins)"
```

PLAYTOTG: (D) Time spent doing playing in last 7 days (grouped)

```
SPSS syntax

COMPUTE playtotg=-5.
IF playtot>0 & playtot<60 playtotg=1.
IF playtot>=60 & playtot<180 playtotg=2.
IF playtot>=180 & playtot<300 playtotg=3.
IF playtot>=300 & playtot<420 playtotg=4.
IF playtot>=420 playtotg=5.
IF playtot<=0 playtotg=playtot.
variable label playtotg "(D) Time spent doing playing in last 7 days (grouped)".
```

PLAYDAYS: (D) Number of days playing last week

```
SPSS syntax

compute playdays=0.
IF nspatT26>=1 playdays=playdays+1.
IF nspatT27>=1 playdays=playdays+1.
IF nspatT28>=1 playdays=playdays+1.
IF nspatT29>=1 playdays=playdays+1.
IF nspatT30>=1 playdays=playdays+1.
IF wepat11>=1 playdays=playdays+1.
IF wepat12>=1 playdays=playdays+1.
IF age>15 | age<2 playdays=-1.
IF any(-8, nspatT26, nspatT27, nspatT28, nspatT29, nspatT30, wepat11,wepat12)playdays=-8.
IF any(-9, nspatT26, nspatT27, nspatT28, nspatT29, nspatT30, wepat11,wepat12)playdays=-9.
variable label playdays "(D) Number of days playing last week ".
```

SKATOT: (D) Total time spent skating last week (mins)

```
SPSS syntax

compute skatot=0.
IF nspatT31>=0 skatot = skatot + nspatT31.
IF nspatT32>=0 skatot = skatot + nspatT32.
IF nspatT33>=0 skatot = skatot + nspatT33.
IF nspatT34>=0 skatot = skatot + nspatT34.
IF nspatT35>=0 skatot = skatot + nspatT35.
IF wepat13>=0 skatot = skatot + wepat13.
IF wepat14>=0 skatot = skatot + wepat14.
IF any(-8, nspatT31, nspatT32, nspatT33, nspatT34, nspatT35, wepat13, wepat14) skatot=-8.
IF any(-9, nspatT31, nspatT32, nspatT33, nspatT34, nspatT35, wepat13, wepat14) skatot=-9.
IF age>15 | age<2 skatot =-1.
variable label skatot "(D) Total time spent skating last week (mins)".
```

SKATOTG: (D) Time spent doing skating in last 7 days (grouped)

```
SPSS syntax

COMPUTE skatotg=-5.
IF skatot>0 & skatot<60 skatotg=1.
IF skatot>=60 & skatot<180 skatotg=2.
IF skatot>=180 & skatot<300 skatotg=3.
IF skatot>=300 & skatot<420 skatotg=4.
IF skatot>=420 skatotg=5.
IF skatot<=0 skatotg=skatot.
variable label skatotg "(D) Time spent doing skating in last 7 days (grouped)".
```

SKTDAYS: (D) Number of days skating last week

```
SPSS syntax

compute sktdays=0.
IF nspatT31>=1 sktdays=sktdays+1.
IF nspatT32>=1 sktdays=sktdays+1.
IF nspatT33>=1 sktdays=sktdays+1.
IF nspatT34>=1 sktdays=sktdays+1.
IF nspatT35>=1 sktdays=sktdays+1.
IF wepat13>=1 sktdays=sktdays+1.
IF wepat14>=1 sktdays=sktdays+1.
IF any(-8, nspatT31, nspatT32, nspatT33, nspatT34, nspatT35, wepat13, wepat14)sktdays=-8.
IF any(-9, nspatT31, nspatT32, nspatT33, nspatT34, nspatT35, wepat13, wepat14)sktdays=-9.
IF age>15 | age<2 sktdays=-1.
variable label sktdays "(D) Number of days skating last week ".
```

DANCTOT: (D) Total time spent dancing last week (mins)?

```
SPSS syntax

compute danctot=0.
IF nspatT36>=0 danctot = danctot + nspatT36.
IF nspatT37>=0 danctot = danctot + nspatT37.
IF nspatT38>=0 danctot = danctot + nspatT38.
IF nspatT39>=0 danctot = danctot + nspatT39.
IF nspatT40>=0 danctot = danctot + nspatT40.
IF wepat15>=0 danctot = danctot + wepat15.
IF wepat16>=0 danctot = danctot + wepat16.
IF any(-8, nspatT36, nspatT37, nspatT38, nspatT39, nspatT40, wepat15, wepat16)danctot=-8.
IF any(-9, nspatT36, nspatT37, nspatT38, nspatT39, nspatT40, wepat15, wepat16)danctot=-9.
IF age>15 | age<2 danctot =-1.
variable label danctot "(D) Total time spent dancing last week (mins)?".
```

DANCTOTG: (D) Time spent doing dancing in last 7 days (grouped)

```
SPSS syntax

COMPUTE danctotg=-5.
IF danctot>0 & danctot<60 danctotg=1.
IF danctot>=60 & danctot<180 danctotg=2.
IF danctot>=180 & danctot<300 danctotg=3.
IF danctot>=300 & danctot<420 danctotg=4.
IF danctot>=420 danctotg=5.
IF danctot<=0 danctotg=danctot.
variable label danctotg "(D) Time spent doing dancing in last 7 days (grouped)".
```

DANCDAYS: (D) Number of days dancing last week

```
SPSS syntax

compute dancdays=0.
IF nspatT36>=1 dancdays=dancdays+1.
IF nspatT37>=1 dancdays=dancdays+1.
IF nspatT38>=1 dancdays=dancdays+1.
IF nspatT39>=1 dancdays=dancdays+1.
IF nspatT40>=1 dancdays=dancdays+1.
IF wepat15>=1 dancdays=dancdays+1.
IF wepat16>=1 dancdays=dancdays+1.
IF any(-8, nspatT36, nspatT37, nspatT38, nspatT39, nspatT40,wepat15, wepat16)dancdays=-8.
IF any(-9, nspatT36, nspatT37, nspatT38, nspatT39, nspatT40,wepat15, wepat16)dancdays=-9.
IF age>15 | age<2 dancdays=-1.
variable label dancdays "(D) Number of days dancing last week ".
```

SKPTOT: (D) Total time spent skipping rope last week (mins)

```
SPSS syntax

compute skptot=0.
IF nspatT41>=0 skptot = skptot + nspatT41.
```

```
IF nspatT42>=0 skptot = skptot + nspatT42.
IF nspatT43>=0 skptot = skptot + nspatT43.
IF nspatT44>=0 skptot = skptot + nspatT44.
IF nspatT45>=0 skptot = skptot + nspatT45.
IF wepat17>=0 skptot = skptot + wepat17.
IF wepat18>=0 skptot = skptot + wepat18.
IF any(-8, nspatT41, nspatT42, nspatT43, nspatT44, nspatT45, wepat17, wepat18) skptot=-8.
IF any(-9, nspatT41, nspatT42, nspatT43, nspatT44, nspatT45, wepat17, wepat18) skptot=-9.
IF age>15 | age<2 skptot =-1.
variable label skptot "(D) Total time spent skipping rope last week (mins)".
```

SKPTOTG: (D) Time spent doing skipping in last 7 days (grouped)

```
SPSS syntax

COMPUTE skptotg=-5.
IF skptot>0 & skptot<60 skptotg=1.
IF skptot>=60 & skptot<180 skptotg=2.
IF skptot>=180 & skptot<300 skptotg=3.
IF skptot>=300 & skptot<420 skptotg=4.
IF skptot>=420 skptotg=5.
IF skptot<=0 skptotg=skptot.
variable label skptotg "(D) Time spent doing skipping in last 7 days (grouped)".
```

SKPDAYS: (D) Number of days skipping rope last week

```
SPSS syntax

compute skpdays=0.
IF nspatT41>=1 skpdays=skpdays+1.
IF nspatT42>=1 skpdays=skpdays+1.
IF nspatT43>=1 skpdays=skpdays+1.
IF nspatT44>=1 skpdays=skpdays+1.
IF nspatT45>=1 skpdays=skpdays+1.
IF wepat17>=1 skpdays=skpdays+1.
IF wepat18>=1 skpdays=skpdays+1.
IF any(-8, nspatT41, nspatT42, nspatT43, nspatT44, nspatT45, wepat17, wepat18)skpdays=-8.
IF any(-9, nspatT41, nspatT42, nspatT43, nspatT44, nspatT45, wepat17, wepat18)skpdays=-9.
IF age>15 | age<2 skpdays=-1.
variable label skpdays "(D) Number of days skipping rope last week".
```

ACPLAY: (D) Total time spent doing active play last week (mins)

```
SPSS syntax

compute acplay=0.
IF hoptot>=0 acplay= acplay+ hoptot.
IF tramtot>=0 acplay= acplay+ tramtot.
IF playtot>=0 acplay= acplay+ playtot.
IF skatot>=0 acplay= acplay+ skatot.
IF danctot>=0 acplay= acplay+ danctot.
IF skptot>=0 acplay= acplay+ skptot.
IF any(-8, hoptot, tramtot, playtot, skatot, danctot, skptot) acplay=-8.
IF any(-9, hoptot, tramtot, playtot, skatot, danctot, skptot) acplay=-9.
IF age>15 | age<2 acplay=-1.
variable label acplay "(D) Total time spent doing active play last week (mins)".
```

ACPLAYG: (D) Time spent doing active play in last 7 days (grouped)

```
SPSS syntax

COMPUTE acplayg=-5.
IF acplay>0 & acplay<60 acplayg=1.
IF acplay>=60 & acplay<180 acplayg=2.
IF acplay>=180 & acplay<300 acplayg=3.
IF acplay>=300 & acplay<420 acplayg=4.
IF acplay>=420 acplayg=5.
IF acplay<=0 acplayg=acplay.
variable label acplayg "(D) Time spent doing active play in last 7 days (grouped)".
```

ACPLYTOT: (D) Any active play last week

```
SPSS syntax

compute acplytot=0.
IF hoptot>=1 acplytot=1.
IF tramtot>=1 acplytot=1.
IF playtot>=1 acplytot=1.
IF skatot>=1 acplytot=1.
IF danctot>=1 acplytot=1.
IF skptot>=1 acplytot=1.
IF any(-8, hoptot, tramtot, playtot, skatot, danctot, skptot) acplytot=-8.
IF any(-9, hoptot, tramtot, playtot, skatot, danctot, skptot) acplytot=-9.
IF age>15 | age<2 acplytot=-1.
variable label acplytot "(D) Any active play last week".
```

NSTDAYSX: (D) Informal Activities number of days a week - excl walking

```
SPSS syntax

compute NSTDAYSx=adayx+bdayx+cdayx+ddayx+edayx+fdayx+gdayx.
IF age>15 | age<2 NSTDAYSx=-1.
IF any(-8,NSTMonx, NSTTuex, NSTWedx,NSTThurx, NSTFrix, NSTSatx, NSTSunx,nswa)NSTdaysx=-8.
IF any(-9,NSTMonx, NSTTuex, NSTWedx,NSTThurx, NSTFrix, NSTSatx, NSTSunx, nswaNSTdaysx=-9.
variable label nstdaysx "(D) Informal Activities number of days a week - excl walking".
```

NSTDAYSXG: (D) Informal Activities number of days a week, grouped - excl walking

```
SPSS syntax

RECODE NSTDaysx (0=0)(1=1)(2=2)(3 thru 4=3)(5 thru 7=4) (else=copy) INTO NSTdaysxg.
variable label nstdaysxg "(D)Informal Activities number of days a week, grouped - excl
walking".
```

INFACTX: (D) Total time spent doing informal activities last week (mins) - excl walking

```
SPSS syntax

compute InfActx=0.
IF cyctot>=0 InfActx= InfActx+ cyctot.
IF hoovtot>=0 InfActx= InfActx+ hoovtot.
IF hoptot>=0 InfActx= InfActx+ hoptot.
IF tramtot>=0 InfActx= InfActx+ tramtot.
IF playtot>=0 InfActx= InfActx+ playtot.
IF skatot>=0 InfActx= InfActx+ skatot.
IF danctot>=0 InfActx= InfActx+ danctot.
IF skptot>=0 InfActx= InfActx+ skptot.
IF any(-8,cyctot,hoovtot,hoptot,tramtot,playtot,skatot, danctot,skptot, nswa) InfActx=-8.
IF any(-9,cyctot,hoovtot,hoptot,tramtot,playtot,skatot, danctot,skptot, nswa) InfActx=-9.
IF age>15 | age<2 InfActx=-1.
variable label infactx "(D)Total time spent doing informal activities last week (mins) -
excl walking ".
```

INFACTXG: (D) Time spent doing Informal Activities last week (grouped) - excl walking

```
SPSS syntax

COMPUTE InfActxg=-5.
IF InfActx>0 & InfActx<60 InfActxg=1.
IF InfActx>=60 & InfActx<180 InfActxg=2.
IF InfActx>=180 & InfActx<300 InfActxg=3.
IF InfActx>=300 & InfActx<420 InfActxg=4.
IF InfActx>=420 InfActxg=5.
IF InfActx<=0 InfActxg= InfActx.
variable label infactxg "(D)Time spent doing Informal Activities last week (grouped) -
excl walking ".
```

INFACTOTX: (D) Any Informal Activities last week - excl walking

```
SPSS syntax
```

```
compute InfActotx=0.
IF cyctot>=1 InfActotx=1.
IF hoovtot>=1 InfActotx=1.
IF hoptot>=1 InfActotx=1.
IF tramtot>=1 InfActotx=1.
IF playtot>=1 InfActotx=1.
IF skatot>=1 InfActotx=1.
IF danctot>=1 InfActotx=1.
IF skptot>=1 InfActotx=1.
IF any(-8,cyctot,hoovtot,hoptot,tramtot,playtot,skatot,danctot,skptot,nswa) InfActotx=-8.
IF any(-9,cyctot,hoovtot,hoptot,tramtot,playtot,skatot,danctot,skptot,nswa) InfActotx=-9.
IF age>15 | age<2 InfActotx=-1.
variable label infactotx "(D) Any Informal Activities last week - excl walking".
```

NSTDAYS: (D) Informal Activities number of days a week - incl walking

```
SPSS syntax

compute aday2=-1.
compute bday2=-1.
compute cday2=-1.
compute dday2=-1.
compute eday2=-1.
compute fday2=-1.
compute gday2=-1.
exe.

if NSTMon=0 aday2=0.
if NSTTue=0 bday2=0.
if NSTWed=0 cday2=0.
if NSTThur=0 dday2=0.
if NSTFri=0 eday2=0.
if NSTSat=0 fday2=0.
if NSTSun=0 gday2=0.
exe.

if NSTMon>0 aday2=1.
if NSTTue>0 bday2=1.
if NSTWed>0 cday2=1.
if NSTThur>0 dday2=1.
if NSTFri>0 eday2=1.
if NSTSat>0 fday2=1.
if NSTSun>0 gday2=1.
exe.

compute NSTDAYS=aday2+bday2+cday2+dday2+eday2+fday2+gday2.
IF age>15 | age<2 NSTDAYS=-1.
IF any(-8, NSTMon, NSTTue, NSTWed,NSTThur, NSTFri, NSTSat, NSTSun, nswa) NSTdays=-8.
IF any(-9, NSTMon, NSTTue, NSTWed,NSTThur, NSTFri, NSTSat, NSTSun, nswa) NSTdays=-9.
variable label nstdays "(D) Informal Activities number of days a week - incl walking".
```

INFACT: (D) Total time spent doing informal activities last week (mins) incl walking

```
SPSS syntax

compute InfAct=0.
IF AcTranWT>=0 InfAct= InfAct+ AcTranWT.
IF cyctot>=0 InfAct= InfAct+ cyctot.
IF wlktot>=0 InfAct= InfAct+ wlktot.
IF hoovtot>=0 InfAct= InfAct+ hoovtot.
IF hoptot>=0 InfAct= InfAct+ hoptot.
IF tramtot>=0 InfAct= InfAct+ tramtot.
IF playtot>=0 InfAct= InfAct+ playtot.
IF skatot>=0 InfAct= InfAct+ skatot.
IF danctot>=0 InfAct= InfAct+ danctot.
IF skptot>=0 InfAct= InfAct+ skptot.
IF any(-8, AcTranWT, cyctot, wlktot, hoovtot, hoptot, tramtot, playtot, skatot,
danctot,skptot, nswa) InfAct=-8.
```

```
IF any(-9, AcTranWT, cyctot, wlktot, hoovtot, hoptot, tramtot, playtot, skatot,
danctot,skptot, nswa) InfAct=-9.
IF age>15 | age<2 InfAct=-1.
variable label infact "(D) Total time spent doing informal activities last week (mins)
incl walking".
```

INFACTG: (D) Time spent doing informal activities last week (grouped) incl walking

```
SPSS syntax

COMPUTE InfActg=-5.
IF InfAct>0 & InfAct<60 InfActg=1.
IF InfAct>=60 & InfAct<180 InfActg=2.
IF InfAct>=180 & InfAct<300 InfActg=3.
IF InfAct>=300 & InfAct<420 InfActg=4.
IF InfAct>=420 InfActg=5.
IF InfAct<=0 InfActg= InfAct.
variable label infactg "(D) Time spent doing informal activities last week (grouped) incl
walking".
```

INFACTOT: (D) Any informal activities last week (incl walking)?

```
SPSS syntax

compute InfActot=0.
IF AcTranWT>=1 InfActot=1.
IF cyctot>=1 InfActot=1.
IF wlktot>=1 InfActot=1.
IF hoovtot>=1 InfActot=1.
IF hoptot>=1 InfActot=1.
IF tramtot>=1 InfActot=1.
IF playtot>=1 InfActot=1.
IF skatot>=1 InfActot=1.
IF danctot>=1 InfActot=1.
IF skptot>=1 InfActot=1.
IF any(-8, AcTranWT, cyctot, wlktot, hoovtot, hoptot, tramtot, playtot, skatot, danctot,
skptot, nswa) InfActot=-8.
IF any(-9, AcTranWT, cyctot, wlktot, hoovtot, hoptot, tramtot, playtot, skatot, danctot,
skptot, nswa) InfActot=-9.
IF age>15 | age<2 InfActot=-1.
variable label infactot "(D) Any informal activities last week (incl walking)?".
```

FBLLTOT: (D) Total time spent playing football/rugby/hockey/lacrosse last week (mins)

```
SPSS syntax

compute fblltot=0.
IF spatT1>=0 fblltot=fblltot+spatT1.
IF spatT2>=0 fblltot=fblltot+spatT2.
IF spatT3>=0 fblltot=fblltot+spatT3.
IF spatT4>=0 fblltot=fblltot+spatT4.
IF spatT5>=0 fblltot=fblltot+spatT5.
IF spwepaT1>=0 fblltot=fblltot+spwepaT1.
IF spwepaT2>=0 fblltot=fblltot+spwepaT2.
IF any(-8, spatT1, spatT2, spatT3, spatT4, spatT5, spwepaT1, spwepaT2) fblltot=-8.
IF any(-9, spatT1, spatT2, spatT3, spatT4, spatT5, spwepaT1, spwepaT2) fblltot=-9.
IF age>15 | age<2 fblltot=-1.
variable label fblltot "(D) Total time spent playing football/rugby/hockey/lacrosse last
week (mins)".
```

FBLLTOTG: (D) Time spent playing football/rugby/hockey/lacrosse last week (grouped)

```
SPSS syntax

COMPUTE fblltotg=-5.
IF fblltot>0 & fblltot<60 fblltotg=1.
IF fblltot>=60 & fblltot<180 fblltotg=2.
IF fblltot>=180 & fblltot<300 fblltotg=3.
```

```
IF fbslltot>=300 & fbslltot<420 fbslltotg=4.
IF fbslltot>=420 fbslltotg=5.
IF fbslltot<=0 fbslltotg=fbslltot.
variable label fbslltotg "(D) Time spent playing football/rugby/hockey/lacrosse last week
(grouped)".
```

FTDAYS: (D) Number of days playing football/rugby/hockey/lacrosse last week

SPSS syntax

```
compute ftdays=0.
IF spatT1>=1 ftdays=ftdays+1.
IF spatT2>=1 ftdays=ftdays+1.
IF spatT3>=1 ftdays=ftdays+1.
IF spatT4>=1 ftdays=ftdays+1.
IF spatT5>=1 ftdays=ftdays+1.
IF spwepaT1>=1 ftdays=ftdays+1.
IF spwepaT2>=1 ftdays=ftdays+1.
IF any(-8, spatT1, spatT2, spatT3, spatT4, spatT5, spwepaT1, spwepaT2) ftdays=-8.
IF any(-9, spatT1, spatT2, spatT3, spatT4, spatT5, spwepaT1, spwepaT2) ftdays=-9.
IF age>15 | age<2 ftdays=-1.
variable label ftdays "(D) Number of days playing football/rugby/hockey/lacrosse last
week".
```

NBLLTOT: (D) Total time spent playing netball/basketball/handball last week (mins)

SPSS syntax

```
compute nblltot=0.
IF spatT6>=1 nblltot=nblltot+spatT6.
IF spatT7>=1 nblltot=nblltot+spatT7.
IF spatT8>=1 nblltot=nblltot+spatT8.
IF spatT9>=1 nblltot=nblltot+spatT9.
IF spatT10>=1 nblltot=nblltot+spatT10.
IF spwepaT3>=1 nblltot=nblltot+spwepaT3.
IF spwepaT4>=1 nblltot=nblltot+spwepaT4.
IF any(-8, spatT6, spatT7, spatT8, spatT9, spatT10, spwepaT3, spwepaT4) nblltot=-8.
IF any(-9, spatT6, spatT7, spatT8, spatT9, spatT10, spwepaT3, spwepaT4) nblltot=-9.
IF age>15 | age<2 nblltot=-1.
variable label nblltot "(D) Total time spent playing netball/basketball/handball last
week (mins)".
```

NBLLTOTG: (D) Time spent playing netball/basketball/handball last week (grouped)

SPSS syntax

```
COMPUTE nblltotg=-5.
IF nblltot>0 & nblltot<60 nblltotg=1.
IF nblltot>=60 & nblltot<180 nblltotg=2.
IF nblltot>=180 & nblltot<300 nblltotg=3.
IF nblltot>=300 & nblltot<420 nblltotg=4.
IF nblltot>=420 nblltotg=5.
IF nblltot<=0 nblltotg=nblltot.
variable label nblltotg "(D) Time spent playing netball/basketball/handball last week
(grouped)".
```

NTDAYS: (D) Number of days playing netball/basketball/handball last week

SPSS syntax

```
compute ntdays=0.
IF spatT6>=1 ntdays=ntdays+1.
IF spatT7>=1 ntdays=ntdays+1.
IF spatT8>=1 ntdays=ntdays+1.
IF spatT9>=1 ntdays=ntdays+1.
IF spatT10>=1 ntdays=ntdays+1.
IF spwepaT3>=1 ntdays=ntdays+1.
IF spwepaT4>=1 ntdays=ntdays+1.
IF any(-8, spatT6, spatT7, spatT8, spatT9, spatT10, spwepaT3, spwepaT4) ntdays=-8.
```

```
IF any(-9, spatT6, spatT7, spatT8, spatT9, spatT10, spwepaT3, spwepaT4) ntdays=-9.
IF age>15 | age<2 ntdays=-1.
variable label ntdays "(D) Number of days playing netball/basketball/handball last week".
```

CRKTTOT: (D) Total time spent playing cricket/rounders last week (mins)

```
SPSS syntax

compute crkttot=0.
IF spatT11>=0 crkttot=crkttot+spatT11.
IF spatT12>=0 crkttot=crkttot+spatT12.
IF spatT13>=0 crkttot=crkttot+spatT13.
IF spatT14>=0 crkttot=crkttot+spatT14.
IF spatT15>=0 crkttot=crkttot+spatT15.
IF spwepaT5>=0 crkttot=crkttot+spwepaT5.
IF spwepaT6>=0 crkttot=crkttot+spwepaT6.
IF any(-8, spatT11, spatT12, spatT13, spatT14, spatT15, spwepaT5, spwepaT6) crkttot=-8.
IF any(-9, spatT11, spatT12, spatT13, spatT14, spatT15, spwepaT5, spwepaT6) crkttot=-9.
IF age>15 | age<2 crkttot=-1.
variable label crkttot "(D) Total time spent playing cricket/rounders last week (mins)".
```

CRKTTOTG: (D) Time spent playing cricket/rounders last week (grouped)

```
SPSS syntax

COMPUTE crkttotg=-5.
IF crkttot>0 & crkttot<60 crkttotg=1.
IF crkttot>=60 & crkttot<180 crkttotg=2.
IF crkttot>=180 & crkttot<300 crkttotg=3.
IF crkttot>=300 & crkttot<420 crkttotg=4.
IF crkttot>=420 crkttotg=5.
IF crkttot<=0 crkttotg=crkttot.
variable label crkttotg "(D) Time spent playing cricket/rounders last week (grouped)".
```

CRTDAYS: (D) Number of days playing cricket/rounders last week

```
SPSS syntax

compute crtdays=0.
IF spatT11>=1 crtdays=crtdays+1.
IF spatT12>=1 crtdays=crtdays+1.
IF spatT13>=1 crtdays=crtdays+1.
IF spatT14>=1 crtdays=crtdays+1.
IF spatT15>=1 crtdays=crtdays+1.
IF spwepaT5>=1 crtdays=crtdays+1.
IF spwepaT6>=1 crtdays=crtdays+1.
IF any(-8, spatT11, spatT12, spatT13, spatT14, spatT15, spwepaT5, spwepaT6) crtdays=-8.
IF any(-9, spatT11, spatT12, spatT13, spatT14, spatT15, spwepaT5, spwepaT6) crtdays=-9.
IF age>15 | age<2 crtdays=-1.
variable label crtdays "(D) Number of days playing cricket/rounders last week".RUNTOT: (D)
Total time spent running/jogging/athletics last week (mins)
SPSS syntax

compute runtot=0.
IF spatT16>=0 runtot= runtot+spatT16.
IF spatT17>=0 runtot= runtot+spatT17.
IF spatT18>=0 runtot= runtot+spatT18.
IF spatT19>=0 runtot= runtot+spatT19.
IF spatT20>=0 runtot= runtot+spatT20.
IF spwepaT7>=0 runtot= runtot+spwepaT7.
IF spwepaT8>=0 runtot= runtot+spwepaT8.
IF any(-8, spatT16, spatT17, spatT18, spatT19, spatT20, spwepaT7, spwepaT8) runtot=-8.
IF any(-9, spatT16, spatT17, spatT18, spatT19, spatT20, spwepaT7, spwepaT8) runtot=-9.
IF age>15 | age<2 runtot=-1.
variable label runtot "(D) Total time spent running/jogging/athletics last week (mins)".
```

RUNTOTG: (D) Time spent running/jogging/athletics last week (grouped)

```
SPSS syntax
```

```
COMPUTE runtotg=-5.
IF runtot>0 & runtot<60 runtotg=1.
IF runtot>=60 & runtot<180 runtotg=2.
IF runtot>=180 & runtot<300 runtotg=3.
IF runtot>=300 & runtot<420 runtotg=4.
IF runtot>=420 runtotg=5.
IF runtot<=0 runtotg=runtot.
variable label runtotg "(D) Time spent running/jogging/athletics last week (grouped)".
```

RUNDAYS: (D) Number of days play running/jogging/athletics last week

SPSS syntax

```
compute rundays=0.
IF spatT16>=1 rundays=rundays+1.
IF spatT17>=1 rundays=rundays+1.
IF spatT18>=1 rundays=rundays+1.
IF spatT19>=1 rundays=rundays+1.
IF spatT20>=1 rundays=rundays+1.
IF spwepaT7>=1 rundays=rundays+1.
IF spwepaT8>=1 rundays=rundays+1.
IF any(-8, spatT16, spatT17, spatT18, spatT19, spatT20, spwepaT7, spwepaT8) rundays=-8.
IF any(-9, spatT16, spatT17, spatT18, spatT19, spatT20, spwepaT7, spwepaT8) rundays=-9.
IF age>15 | age<2 rundays=-1.
variable label rundays "(D) Number of days play running/jogging/athletics last week".
```

SWMLTOT: (D) Total time spent swimming laps last week (mins)

SPSS syntax

```
compute swmltot=0.
IF spatT21>=0 swmltot = swmltot + spatT21.
IF spatT22>=0 swmltot = swmltot + spatT22.
IF spatT23>=0 swmltot = swmltot + spatT23.
IF spatT24>=0 swmltot = swmltot + spatT24.
IF spatT25>=0 swmltot = swmltot + spatT25.
IF spwepaT9>=0 swmltot = swmltot + spwepaT9.
IF spwepaT10>=0 swmltot = swmltot + spwepaT10.
IF any(-8, spatT21, spatT22, spatT23, spatT24, spatT25, spwepaT9, spwepaT10) swmltot=-8.
IF any(-9, spatT21, spatT22, spatT23, spatT24, spatT25, spwepaT9, spwepaT10) swmltot=-9.
IF age>15 | age<2 swmltot =-1.
variable label swmltot "(D) Total time spent swimming laps last week (mins)".
```

SWMLTOTG: (D) Time spent swimming laps last week (grouped)

SPSS syntax

```
COMPUTE swmltotg=-5.
IF swmltot>0 & swmltot<60 swmltotg=1.
IF swmltot>=60 & swmltot<180 swmltotg=2.
IF swmltot>=180 & swmltot<300 swmltotg=3.
IF swmltot>=300 & swmltot<420 swmltotg=4.
IF swmltot>=420 swmltotg=5.
IF swmltot<=0 swmltotg=swmltot.
variable label swmltotg "(D) Time spent swimming laps last week (grouped)".
```

SWLDAYS: (D) Number of days swimming laps last week

SPSS syntax

```
compute swldays=0.
IF spatT21>=1 swldays=swldays+1.
IF spatT22>=1 swldays=swldays+1.
IF spatT23>=1 swldays=swldays+1.
IF spatT24>=1 swldays=swldays+1.
IF spatT25>=1 swldays=swldays+1.
```

```
IF spwepaT9>=1 swldays=swldays+1.
IF spwepaT10>=1 swldays=swldays+1.
IF any(-8, spatT21, spatT22, spatT23, spatT24, spatT25, spwepaT9, spwepaT10) swldays=-8.
IF any(-9, spatT21, spatT22, spatT23, spatT24, spatT25, spwepaT9, spwepaT10) swldays=-9.
IF age>15 | age<2 swldays=-1.
variable label swldays "(D) Number of days swimming laps last week".
```

SWMSTOT: (D) Total time spent swimming (splashing about) last week (mins)

```
SPSS syntax

compute swmstot=0.
IF spatT26>=0 swmstot = swmstot + spatT26.
IF spatT27>=0 swmstot = swmstot + spatT27.
IF spatT28>=0 swmstot = swmstot + spatT28.
IF spatT29>=0 swmstot = swmstot + spatT29.
IF spatT30>=0 swmstot = swmstot + spatT30.
IF spwepaT11>=0 swmstot = swmstot + spwepaT11.
IF spwepaT12>=0 swmstot = swmstot + spwepaT12.
IF any(-8, spatT26, spatT27, spatT28, spatT29, spatT30, spwepaT11, spwepaT12) swmstot=-8.
IF any(-9, spatT26, spatT27, spatT28, spatT29, spatT30, spwepaT11, spwepaT12) swmstot=-9.
IF age>15 | age<2 swmstot =-1.
variable label swmstot "(D)Total time spent swimming (splashing about) last week (mins)".
```

SWMSTOTG: (D) Time spent swimming (splashing about) last week (grouped)

```
SPSS syntax

COMPUTE swmstotg=-5.
IF swmstot>0 & swmstot<60 swmstotg=1.
IF swmstot>=60 & swmstot<180 swmstotg=2.
IF swmstot>=180 & swmstot<300 swmstotg=3.
IF swmstot>=300 & swmstot<420 swmstotg=4.
IF swmstot>=420 swmstotg=5.
IF swmstot<=0 swmstotg=swmstot.
variable label swmstotg "(D) Time spent swimming (splashing about) last week (grouped)".
```

SWPDAYS: (D) Number of days swimming (splashing about) last week

```
SPSS syntax

compute swpdays=0.
IF spatT26>=1 swpdays=swpdays+1.
IF spatT27>=1 swpdays=swpdays+1.
IF spatT28>=1 swpdays=swpdays+1.
IF spatT29>=1 swpdays=swldays+1.
IF spatT30>=1 swpdays=swpdays+1.
IF spwepaT11>=1 swpdays=swpdays+1.
IF spwepaT12>=1 swpdays=swpdays+1.
IF any(-8, spatT26, spatT27, spatT28, spatT29, spatT30, spwepaT11, spwepaT12) swpdays=-8.
IF any(-9, spatT26, spatT27, spatT28, spatT29, spatT30, spwepaT11, spwepaT12) swpdays=-9.
IF age>15 | age<2 swpdays=-1.
variable label swpdays "(D) Number of days swimming (splashing about) last week".
```

GYMTOT: (D) Total time spent doing gymnastics last week (mins)

```
SPSS syntax

compute gymtot=0.
IF spatT31>=0 gymtot = gymtot + spatT31.
IF spatT32>=0 gymtot = gymtot + spatT32.
IF spatT33>=0 gymtot = gymtot + spatT33.
IF spatT34>=0 gymtot = gymtot + spatT34.
IF spatT35>=0 gymtot = gymtot + spatT35.
IF spwepaT13>=0 gymtot = gymtot + spwepaT13.
IF spwepaT14>=0 gymtot = gymtot + spwepaT14.
IF any(-8, spatT31, spatT32, spatT33, spatT34, spatT35, spwepaT13, spwepaT14) gymtot =-8.
IF any(-9, spatT31, spatT32, spatT33, spatT34, spatT35, spwepaT13, spwepaT14) gymtot =-9.
IF age>15 | age<2 gymtot =-1.
```

```
variable label gymtot "(D) Total time spent doing gymnastics last week (mins)”.
```

GYMTOTG: (D) Time spent doing gymnastics last week (grouped)

```
SPSS syntax

COMPUTE gymtotg=-5.
IF gymtot>0 & gymtot<60 gymtotg=1.
IF gymtot>=60 & gymtot<180 gymtotg=2.
IF gymtot>=180 & gymtot<300 gymtotg=3.
IF gymtot>=300 & gymtot<420 gymtotg=4.
IF gymtot>=420 gymtotg=5.
IF gymtot<=0 gymtotg=gymtot.
variable label gymtotg "(D) Time spent doing gymnastics last week (grouped)".
```

GYMDAYS: (D) Number of days doing gymnastics last week

```
SPSS syntax

compute gymdays=0.
IF spatT31>=1 gymdays=gymdays+1.
IF spatT32>=1 gymdays=gymdays+1.
IF spatT33>=1 gymdays=gymdays+1.
IF spatT34>=1 gymdays=gymdays+1.
IF spatT35>=1 gymdays=gymdays+1.
IF spwepaT13>=1 gymdays=gymdays+1.
IF spwepaT14>=1 gymdays=gymdays+1.
IF any(-8, spatT31, spatT32, spatT33, spatT34, spatT35, spwepaT13, spwepaT14) gymdays=-8.
IF any(-9, spatT31, spatT32, spatT33, spatT34, spatT35, spwepaT13, spwepaT14) gymdays=-9.
IF age>15 | age<2 gymdays=-1.
variable label gymdays "(D) Number of days doing gymnastics last week".
```

WKOUTTOT: (D) Total time spent working out with gym machines/weight training last week (mins)

```
SPSS syntax

compute wkouttot=0.
IF spatT36>=0 wkouttot = wkouttot + spatT36.
IF spatT37>=0 wkouttot = wkouttot + spatT37.
IF spatT38>=0 wkouttot = wkouttot + spatT38.
IF spatT39>=0 wkouttot = wkouttot + spatT39.
IF spatT40>=0 wkouttot = wkouttot + spatT40.
IF spwepaT15>=0 wkouttot = wkouttot + spwepaT15.
IF spwepaT16>=0 wkouttot = wkouttot + spwepaT16.
IF any(-8,spatT36,spatT37, spatT38, spatT39, spatT40, spwepaT15, spwepaT16) wkouttot=-8.
IF any(-9,spatT36,spatT37, spatT38, spatT39, spatT40, spwepaT15, spwepaT16) wkouttot=-9.
IF age>15 | age<2 wkouttot =-1.
variable label wkouttot "(D) Total time spent working out with gym machines/weight
training last week (mins)".
```

WKOUTTOTG: (D) Time spent working out with gym machines/weight training last week (grouped)

```
SPSS syntax

COMPUTE wkouttotg=-5.
IF wkouttot>0 & wkouttot<60 wkouttotg=1.
IF wkouttot>=60 & wkouttot<180 wkouttotg=2.
IF wkouttot>=180 & wkouttot<300 wkouttotg=3.
IF wkouttot>=300 & wkouttot<420 wkouttotg=4.
IF wkouttot>=420 wkouttotg=5.
IF wkouttot<=0 wkouttotg=wkouttot.
variable label wkouttotg "(D) Time spent working out with gym machines/weight training
last week (grouped)".
```

WKTDAYS: (D) Number of days working out with gym machines/weight training last week

```
SPSS syntax
```

```
compute wktdays=0.
IF spatT36>=1 wktdays=wktdays+1.
IF spatT37>=1 wktdays=wktdays+1.
IF spatT38>=1 wktdays=wktdays+1.
IF spatT39>=1 wktdays=wktdays+1.
IF spatT40>=1 wktdays=wktdays+1.
IF spwepaT15>=1 wktdays=wktdays+1.
IF spwepaT16>=1 wktdays=wktdays+1.
IF any(-8, spatT36, spatT37, spatT38, spatT39, spatT40, spwepaT15, spwepaT16) wktdays=-8.
IF any(-9, spatT36, spatT37, spatT38, spatT39, spatT40, spwepaT15, spwepaT16) wktdays=-9.
IF age>15 | age<2 wktdays=-1.
variable label wktdays "(D)Number of days working out with gym machines/weight training
last week".
```

AERTOT: (D) Total time spent doing aerobics last week (mins)

```
SPSS syntax

compute aertot=0.
IF spatT41>=0 aertot = aertot + spatT41.
IF spatT42>=0 aertot = aertot + spatT42.
IF spatT43>=0 aertot = aertot + spatT43.
IF spatT44>=0 aertot = aertot + spatT44.
IF spatT45>=0 aertot = aertot + spatT45.
IF spwepaT17>=0 aertot = aertot + spwepaT17.
IF spwepaT18>=0 aertot = aertot + spwepaT18.
IF any(-8, spatT41, spatT42, spatT43, spatT44, spatT45, spwepaT17, spwepaT18) aertot=-8.
IF any(-9, spatT41, spatT42, spatT43, spatT44, spatT45, spwepaT17, spwepaT18) aertot=-9.
IF age>15 | age<2 aertot =-1
variable label aertot "(D) Total time spent doing aerobics last week (mins)".
```

AERTOTG: (D) Time spent doing aerobics last week (grouped)

```
SPSS syntax

COMPUTE aertotg=-5.
IF aertot>0 & aertot<60 aertotg=1.
IF aertot>=60 & aertot<180 aertotg=2.
IF aertot>=180 & aertot<300 aertotg=3.
IF aertot>=300 & aertot<420 aertotg=4.
IF aertot>=420 aertotg=5.
IF aertot<=0 aertotg=aertot.
variable label aertotg "(D) Time spent doing aerobics last week (grouped)".
```

AERDAYS: (D) Number of days doing aerobics last week

```
SPSS syntax

compute aerdays=0.
IF spatT41>=1 aerdays=aerdays+1.
IF spatT42>=1 aerdays=aerdays+1.
IF spatT43>=1 aerdays=aerdays+1.
IF spatT44>=1 aerdays=aerdays+1.
IF spatT45>=1 aerdays=aerdays+1.
IF spwepaT17>=1 aerdays=aerdays+1.
IF spwepaT18>=1 aerdays=aerdays+1.
IF any(-8, spatT41, spatT42, spatT43, spatT44, spatT45, spwepaT17, spwepaT18) aerdays=-8.
IF any(-9, spatT41, spatT42, spatT43, spatT44, spatT45, spwepaT17, spwepaT18) aerdays=-9.
IF age>15 | age<2 aerdays=-1.
variable label aerdays "(D) Number of days doing aerobics last week ".
```

TENTOT: (D) Total time spent playing tennis/badminton/squash last week (mins)

```
SPSS syntax

compute tentot=0.
IF spatT46>=0 tentot = tentot + spatT46.
IF spatT47>=0 tentot = tentot + spatT47.
```

```
IF spatT48>=0 tentot = tentot + spatT48.
IF spatT49>=0 tentot = tentot + spatT49.
IF spatT50>=0 tentot = tentot + spatT50.
IF spwepaT19>=0 tentot = tentot + spwepaT19.
IF spwepaT20>=0 tentot = tentot + spwepaT20.
IF any(-8, spatT46, spatT47, spatT48, spatT49, spatT50, spwepaT19, spwepaT20) tentot=-8.
IF any(-9, spatT46, spatT47, spatT48, spatT49, spatT50, spwepaT19, spwepaT20) tentot=-9.
IF age>15 | age<2 tentot=-1.
variable label tentot "(D)Total time spent playing tennis/badminton/squash last week
(mins)".
```

TENTOTG: (D) Time spent playing tennis/badminton/squash last week (grouped)

```
SPSS syntax

COMPUTE tentotg=-5.
IF tentot>0 & tentot<60 tentotg=1.
IF tentot>=60 & tentot<180 tentotg=2.
IF tentot>=180 & tentot<300 tentotg=3.
IF tentot>=300 & tentot<420 tentotg=4.
IF tentot>=420 tentotg=5.
IF tentot<=0 tentotg=tentot.
variable label tentotg "(D) Time spent playing tennis/badminton/squash last week
(grouped)".
```

TENDAYS: (D) Number of days playing tennis/badminton/squash last week

```
SPSS syntax

compute tendays=0.
IF spatT46>=1 tendays=tendays+1.
IF spatT47>=1 tendays=tendays+1.
IF spatT48>=1 tendays=tendays+1.
IF spatT49>=1 tendays=tendays+1.
IF spatT50>=1 tendays=tendays+1.
IF spwepaT19>=1 tendays=tendays+1.
IF spwepaT20>=1 tendays=tendays+1.
IF any(-8, spatT46, spatT47, spatT48, spatT49, spatT50, spwepaT19, spwepaT20) tendays=-8.
IF any(-9, spatT46, spatT47, spatT48, spatT49, spatT50, spwepaT19, spwepaT20) tendays=-9.
IF age>15 | age<2 tendays=-1.
variable label tendays "(D) Number of days playing tennis/badminton/squash last week".
```

TOTOTH1WT: (D) Total Weekly first other activity Time (minutes)

```
SPSS syntax

COMPUTE TotOth1WT=0.
IF spatT61>=0 TotOth1WT= TotOth1WT+ spatT61.
IF spatT62>=0 TotOth1WT= TotOth1WT+ spatT62.
IF spatT63>=0 TotOth1WT= TotOth1WT+ spatT63.
IF spatT64>=0 TotOth1WT= TotOth1WT+ spatT64.
IF spatT65>=0 TotOth1WT= TotOth1WT+ spatT65.
IF SpWePaT31 >=0 TotOth1WT= TotOth1WT+ SpWePaT31.
IF SpWePaT32 >=0 TotOth1WT= TotOth1WT+ SpWePaT32.
IF any(-8,spatT61,spatT62, spatT63, spatT64, spatT65, SpWePaT31, SpWePaT32) TotOth1WT=-8.
IF any(-9,spatT61,spatT62, spatT63, spatT64, spatT65, SpWePaT31, SpWePaT32) TotOth1WT=-9.
IF age>15 | age<2 TotOth1WT=-1.
variable label tototh1wt "(D) Total Weekly first other activity Time (minutes)".
```

TOTOTH2WT: (D) Total Weekly second other activity time (minutes)

```
SPSS syntax

COMPUTE TotOth2WT=0.
IF spatT66>=0 TotOth2WT= TotOth2WT+ spatT66.
IF spatT67>=0 TotOth2WT= TotOth2WT+ spatT67.
IF spatT68>=0 TotOth2WT= TotOth2WT+ spatT68.
IF spatT69>=0 TotOth2WT= TotOth2WT+ spatT69.
IF spatT70>=0 TotOth2WT= TotOth2WT+ spatT70.
```

```
IF SpWePaT31 >=0 TotOth2WT= TotOth2WT+ SpWePaT33.
IF SpWePaT32 >=0 TotOth2WT= TotOth2WT+ SpWePaT34.
IF any(-8,spatT66,spatT67, spatT68, spatT69, spatT70, SpWePaT33, SpWePaT34) TotOth2WT=-8.
IF any(-9,spatT66,spatT67, spatT68, spatT69, spatT70, SpWePaT33, SpWePaT34) TotOth2WT=-9.
IF age>15 | age<2 TotOth2WT=-1.
variable label tototh2wt "(D) Total Weekly second other activity time (minutes)".
```

TOTOTH3WT: (D) Total Weekly third other activity time (minutes)

```
SPSS syntax

COMPUTE TotOth3WT=0.
IF spatT71>=0 TotOth3WT= TotOth3WT+ spatT71.
IF spatT72>=0 TotOth3WT= TotOth3WT+ spatT72.
IF spatT73>=0 TotOth3WT= TotOth3WT+ spatT73.
IF spatT74>=0 TotOth3WT= TotOth3WT+ spatT74.
IF spatT75>=0 TotOth3WT= TotOth3WT+ spatT75.
IF SpWePaT35>=0 TotOth3WT= TotOth3WT+ SpWePaT35.
IF SpWePaT36>=0 TotOth3WT= TotOth3WT+ SpWePaT36.
IF any(-8,spatT71,spatT72, spatT73, spatT74, spatT75, SpWePaT35, SpWePaT36) TotOth3WT=-8.
IF any(-9,spatT71,spatT72, spatT73, spatT74, spatT75, SpWePaT35, SpWePaT36) TotOth3WT=-9.
IF age>15 | age<2 TotOth3WT=-1.
variable label tototh3wt "(D) Total Weekly third other activity time (minutes)".
```

TOTOTH4WT: (D) Total Weekly fourth other activity time (minutes)

```
SPSS syntax

COMPUTE TotOth4WT=0.
IF spatT76>=0 TotOth4WT= TotOth4WT+ spatT76.
IF spatT77>=0 TotOth4WT= TotOth4WT+ spatT77.
IF spatT78>=0 TotOth4WT= TotOth4WT+ spatT78.
IF spatT79>=0 TotOth4WT= TotOth4WT+ spatT79.
IF spatT80>=0 TotOth4WT= TotOth4WT+ spatT80.
IF SpWePaT37>=0 TotOth4WT= TotOth4WT+ SpWePaT37.
IF SpWePaT38>=0 TotOth4WT= TotOth4WT+ SpWePaT38.
IF any(-8, spatT76, spatT77, spatT78, spatT79, spatT80, SpWePaT37,SpWePaT38)TotOth4WT=-8.
IF any(-9, spatT76, spatT77, spatT78, spatT79, spatT80, SpWePaT37,SpWePaT38)TotOth4WT=-9.
IF age>15 | age<2 TotOth4WT=-1.
variable label tototh4wt "(D) Total Weekly fourth other activity time (minutes)".
```

TOTOTH5WT: (D) Total Weekly fifth other activity time (minutes).

```
SPSS syntax

COMPUTE TotOth5WT=0.
IF spatT81>=0 TotOth5WT= TotOth5WT+ spatT81.
IF spatT82>=0 TotOth5WT= TotOth5WT+ spatT82.
IF spatT83>=0 TotOth5WT= TotOth5WT+ spatT83.
IF spatT84>=0 TotOth5WT= TotOth5WT+ spatT84.
IF spatT85>=0 TotOth5WT= TotOth5WT+ spatT85.
IF SpWePaT39>=0 TotOth5WT= TotOth5WT+ SpWePaT39.
IF SpWePaT40>=0 TotOth5WT= TotOth5WT+ SpWePaT40.
IF any(-8,spatT81, spatT82, spatT83, spatT84, spatT85, SpWePaT39, SpWePaT40)TotOth5WT=-8.
IF any(-9,spatT81, spatT82, spatT83, spatT84, spatT85, SpWePaT39, SpWePaT40)TotOth5WT=-9.
IF age>15 | age<2 TotOth5WT=-1.
variable label tototh5wt "(D) Total Weekly fifth other activity time (minutes)".
```

TVTIME: (D) Total time spent watching tv on weekday (mins)

```
SPSS syntax

compute tvtime=0.
IF tvwkh>-1 | tvwkm>-1 tvtime=tvtime+tvwkm+(tvwkh*60).
IF any(-8,tvwkh, tvwkm) tvtime=-8.
IF any(-9,tvwkh, tvwkm) tvtime=-9.
IF age>15 | age<2 tvtime=-1.
variable label tvtime "(D) Total time spent watching tv on weekday (mins)".
```

TVTIMEG: (D) Time spent watching tv on weekday (grouped)

```
SPSS syntax

COMPUTE tvtimeg=-5.
IF tvtime>0 & tvtime<120 tvtimeg=1.
IF tvtime>=120 & tvtime<240 tvtimeg=2.
IF tvtime>=240 tvtimeg=3.
IF tvtime<=0 tvtimeg=tvtime
variable label tvtimeg "(D) Time spent watching tv on weekday (grouped)".
```

SDTIME: (D) Total time spent sitting down on weekday (mins)

```
SPSS syntax

compute sdtime=0.
IF sedwkh>-1 | sedwkm>-1 sdtime=sdtime+sedwkm+(sedwkh*60).
IF any(-8,sedwkh, sedwkm) sdtime=-8.
IF any(-9,sedwkh, sedwkm) sdtime=-9.
IF age>15 | age<2 sdtime=-1.
variable label sdtime "(D) Total time spent sitting down on weekday (mins)".
```

SDTIMEG: (D) Time spent sitting down on weekday (grouped)

```
SPSS syntax

COMPUTE sdtimeg=-5.
IF sdtime>0 & sdtime<120 sdtimeg=1.
IF sdtime>=120 & sdtime<240 sdtimeg=2.
IF sdtime>=240 sdtimeg=3.
IF sdtime<=0 sdtimeg=sdtime.
variable label sdtimeg "(D) Time spent sitting down on weekday (grouped)".
```

TVWETIME: (D) Total time spent watching tv on weekend day (mins)

```
SPSS syntax

compute tvwetime=0.
IF tvweh>-1 | tvwem>-1 tvwetime=tvwetime+tvwem+(tvweh*60).
IF any(-8,tvweh, tvwem) tvwetime=-8.
IF any(-9,tvweh, tvwem) tvwetime=-9.
IF age>15 | age<2 tvwetime=-1.
variable label tvwetime "(D) Total time spent watching tv on weekend day (mins)".
```

TVWETIMEG: (D) Time spent watching tv on weekend day (grouped)

```
SPSS syntax

COMPUTE tvwetimeg=-5.
IF tvwetime>0 & tvwetime<120 tvwetimeg=1.
IF tvwetime>=120 & tvwetime<240 tvwetimeg=2.
IF tvwetime>=240 tvwetimeg=3.
IF tvwetime<=0 tvwetimeg=tvwetime.
variable label tvwetimeg "(D) Time spent watching tv on weekend day (grouped)".
```

SDWETIME: (D) Total time spent sitting down on weekend day (mins)

```
SPSS syntax

compute sdwetime=0.
IF sedweh>-1 | sedwem>-1 sdwetime=sdwetime+sedwem+(sedweh*60).
IF any(-8,sedweh, sedwem) sdwetime=-8.
IF any(-9,sedweh, sedwem) sdwetime=-9.
IF age>15 | age<2 sdwetime=-1.
variable label sdwetime "(D) Total time spent sitting down on weekend day (mins)".
```

SDWETIMEG: (D) Time spent sitting down on weekend day (grouped)

```
SPSS syntax
```

```
COMPUTE sdwetimeg=-5.
IF sdwetime>0 & sdwetime<120 sdwetimeg=1.
IF sdwetime>=120 & sdwetime<240 sdwetimeg=2.
IF sdwetime>=240 sdwetimeg=3.
IF sdwetime<=0 sdwetimeg=sdwetime.
variable label sdwetimeg "(D) Time spent sitting down on weekend day (grouped)".
```

SEDWK: (D) Total sedentary time on week day (mins)

```
SPSS syntax

compute SedWk=0.
IF tvtime>=0 SedWk=SedWk+tvtime.
IF sdtime>=0 SedWk=SedWk+sdtime.
IF any(-8,tvtime, sdtime) SedWk=-8.
IF any(-9,tvtime, sdtime) SedWk=-9.
IF age>15 | age<2 SedWk=-1.
variable label sedwk "(D) Total sedentary time on week day (mins)".
```

SEDWKG: (D) Total sedentary time on week day (grouped)

```
SPSS syntax

COMPUTE SedWkg=-5.
IF SedWk>0 & SedWk<120 SedWkg=1.
IF SedWk>=120 & SedWk<240 SedWkg=2.
IF SedWk>=240 SedWkg=3.
IF SedWk<=0 SedWkg=SedWk.
variable label sedwkg "(D) Total sedentary time on week day (grouped)".
```

SEDWKE: (D) Total sedentary time on weekend day (mins)

```
SPSS syntax

compute SedWkE=0.
IF tvwetime>=0 SedWkE=SedWkE+tvwetime.
IF sdwetime >=0 SedWkE=SedWkE+sdwetime.
IF any(-8,tvwetime, sdwetime) SedWkE=-8.
IF any(-9,tvwetime, sdwetime) SedWkE=-9.
IF age>15 | age<2 SedWkE=-1.
variable label sedwke "(D) Total sedentary time on weekend day (mins)".
```

SEDWKEG: (D) Total sedentary time on weekend day (grouped)

```
SPSS syntax

COMPUTE SedWkEg=-5.
IF SedWkE>0 & SedWkE<120 SedWkEg=1.
IF SedWkE>=120 & SedWkE<240 SedWkEg=2.
IF SedWkE>=240 SedWkEg=3.
IF SedWkE<=0 SedWkEg=SedWkE.
variable label sedwkeg "(D) Total sedentary time on weekend day (grouped)".
```

CYCSCH: (D) Any cycling (to/from school AND play) last week

```
SPSS syntax

compute cycsch=0.
IF cyctot>=1 | JCycTim>=1 cycsch=1.
IF cyctot=0 & JCycTim=0 cycsch=0.
IF age>15 | age<2 cycsch=-1.
variable label cycsch "(D) Any cycling (to/from school AND play) last week ".
```

WLKSCH: (D) Any walking (to/from school AND play) last week?

```
SPSS syntax

compute wlksch=0.
```

```
IF wlktot>=1 | JwlkTim>=1 wlksch=1.
IF wlktot=0 & JwlkTim=0 wlksch=0.
IF age>15 | age<2 wlksch=-1.
variable label wlksch "(D) Any walking (to/from school AND play) last week?".
```

SPORT: (D) Total time spent doing sport last week (mins)

```
SPSS syntax

compute sport=0.
IF fblltot>=0 sport= sport+ fblltot.
IF nblltot>=0 sport= sport+ nblltot.
IF crkttot>=0 sport= sport+ crkttot.
IF runtot>=0 sport= sport+ runtot.
IF swmltot>=0 sport= sport+ swmltot.
IF swmstot>=0 sport= sport+ swmstot.
IF gymtot>=0 sport= sport+ gymtot.
IF wkouttot>=0 sport= sport+ wkouttot.
IF aertot>=0 sport= sport+ aertot.
IF tentot>=0 sport= sport+ tentot.
IF any(-8, fblltot, nblltot, crkttot, runtot, swmltot, swmstot, gymtot, wkouttot,aertot,
tentot, nswb) sport=-8.
IF any(-9, fblltot, nblltot, crkttot, runtot, swmltot, swmstot, gymtot, wkouttot,aertot,
tentot, nswb) sport=-9.
IF age>15 | age<2 sport=-1.
variable label sport "(D) Total time spent doing sport last week (mins)".
```

SPORTG: (D) Time spent doing sport last week (grouped)

```
SPSS syntax

COMPUTE Sportg=-5.
IF Sport>0 & Sport<60 Sportg=1.
IF Sport>=60 & Sport<180 Sportg=2.
IF Sport>=180 & Sport<300 Sportg=3.
IF Sport>=300 & Sport<420 Sportg=4.
IF Sport>=420 Sportg=5.
IF Sport<=0 Sportg=Sport.
variable label sportg "(D) Time spent doing sport last week (grouped)".
```

SPTTOT: (D) Any sport last week?

```
SPSS syntax

compute spttot=0.
IF fblltot>=1 spttot=1.
IF nblltot>=1 spttot=1.
IF crkttot>=1 spttot=1.
IF runtot>=1 spttot=1.
IF swmltot>=1 spttot=1.
IF swmstot>=1 spttot=1.
IF gymtot>=1 spttot=1.
IF wkouttot>=1 spttot=1.
IF aertot>=1 spttot=1.
IF tentot>=1 spttot=1.
IF any(-8, fblltot, nblltot, crkttot, runtot, swmltot, swmltot, gymtot, wkouttot,aertot,
tentot, nswb) spttot=-8.
IF any(-9, fblltot, nblltot, crkttot, runtot, swmltot, swmltot, gymtot, wkouttot,aertot,
tentot, nswb) spttot=-9.
IF age>15 | age<2 spttot=-1.
variable label spttot "(D) Any sport last week?".
```

SPRTDAYS: (D) Number of days played sport in last week

```
SPSS syntax

compute aday=-1.
compute bday=-1.
compute cday=-1.
```

```
compute dday=-1.
compute eday=-1.
compute fday=-1.
compute gday=-1.
exe.

if SprtTMong=0 aday=0.
if SprtTTueg=0 bday=0.
if SprtTWedg=0 cday=0.
if SprtTThurg=0 dday=0.
if SprtTFrig=0 eday=0.
if SprtTSatg=0 fday=0.
if SprtTSung=0 gday=0.
exe.

if SprtTMong>0 aday=1.
if SprtTTueg>0 bday=1.
if SprtTWedg>0 cday=1.
if SprtTThurg>0 dday=1.
if SprtTFrig>0 eday=1.
if SprtTSatg>0 fday=1.
if SprtTSung>0 gday=1.
exe.

compute sprtDAYS=aday+bday+cday+dday+eday+fday+gday.
IF any(-8, SprtTMong, SprtTTueg, SprtTWedg, SprtTThurg, SprtTFrig, SprtTSatg, SprtTSung,
nswb) SPRTdays=-8.
IF any(-9, SprtTMong, SprtTTueg, SprtTWedg, SprtTThurg, SprtTFrig, SprtTSatg, SprtTSung,
nswb) SPRTdays=-9.
IF age>15 | age<2 SPRTdays=-1.
variable label sprtdays "(D) Number of days played sport in last week".
```

SPRTDAYSG: (D) Number of days played sport (grouped)

```
SPSS syntax

compute SPRTDaysG=-5.
if SPRTdays=0 SPRTdaysG=0.
if SPRTdays=1 SPRTdaysG=1.
if SPRTdays=2 SPRTdaysG=2.
if range(SPRTdays,3,4) SPRTdaysG=3.
if range(SPRTdays,5,7) SPRTdaysG=4.
if sprtdays<0 sprtdaysG=sprtdays.
if (age<2|age>15) sprtdaysG=-1.
variable label sprtdaysg "(D) Number of days played sport (grouped)".
```

PAANY: (D) Number of days doing any Sporting and Informal Activities

```
SPSS syntax

compute PAany=0.
IF MonMVPA>0 PAany=PAany+1.
IF TueMVPA>0 PAany=PAany+1.
IF WedMVPA>0 PAany=PAany+1.
IF ThurMVPA>0 PAany=PAany+1.
IF FriMVPA>0 PAany=PAany+1.
IF SatMVPA>0 PAany=PAany+1.
IF SunMVPA>0 PAany=PAany+1.
IF Age>15 | age<2 PAany=-1.
IF any(-8, MonMVPA, TueMVPA, WedMVPA, ThurMVPA, FriMVPA, SatMVPA, SunMVPA) PAany=-8.
IF any(-9, MonMVPA, TueMVPA, WedMVPA, ThurMVPA, FriMVPA, SatMVPA, SunMVPA) PAany=-9.
variable label paany "(D) Number of days doing any Sporting and Informal Activities".
```

PA60T: (D) Number of days doing any Sporting and Informal Activities 60+mins

```
SPSS syntax

compute PA60T=0.
IF MonMVPA>59 PA60T=PA60T+1.
IF TueMVPA>59 PA60T=PA60T+1.
```

```
IF WedMVPA>59 PA60T=PA60T+1.
IF ThurMVPA>59 PA60T=PA60T+1.
IF FriMVPA>59 PA60T=PA60T+1.
IF SatMVPA>59 PA60T=PA60T+1.
IF SunMVPA>59 PA60T=PA60T+1.
IF Age>15 | age<2 PA60T=-1.
IF any(-8, MonMVPA, TueMVPA, WedMVPA, ThurMVPA, FriMVPA, SatMVPA, SunMVPA) PA60T=-8.
IF any(-9, MonMVPA, TueMVPA, WedMVPA, ThurMVPA, FriMVPA, SatMVPA, SunMVPA) PA60T=-9.
variable label pa60t "(D) Number of days doing any Sporting and Informal Activities
60+mins".
```

PA30T: (D) Number of days doing any Sporting and Informal Activities 30-59mins

```
SPSS syntax

compute PA30T=0.
IF (MonMVPA<60 & MonMVPA>=30) PA30T=PA30T+1.
IF (TueMVPA<60 & TueMVPA>=30) PA30T=PA30T+1.
IF (WedMVPA<60 & WedMVPA>=30) PA30T=PA30T+1.
IF (ThurMVPA<60 & ThurMVPA>=30) PA30T=PA30T+1.
IF (FriMVPA<60 & FriMVPA>=30) PA30T=PA30T+1.
IF (SatMVPA<60 & SatMVPA>=30) PA30T=PA30T+1.
IF (SunMVPA<60 & SunMVPA>=30) PA30T=PA30T+1.
IF Age>15 | age<2 PA30T=-1.
IF any(-8, MonMVPA, TueMVPA, WedMVPA, ThurMVPA, FriMVPA, SatMVPA, SunMVPA) PA30T=-8.
IF any(-9, MonMVPA, TueMVPA, WedMVPA, ThurMVPA, FriMVPA, SatMVPA, SunMVPA) PA30T=-9.
variable label pa30t "(D) Number of days doing any Sporting and Informal Activities 30-
59mins ".
```

DAYS: (D) Number of days all physical activities (walking, informal and formal sports)

```
SPSS syntax

compute days = monday+tuesday+wednesday+thursday+friday+saturday+sunday.
IF any(-8, SprtTMong, SprtTTueg, SprtTWedg, SprtTThurg, SprtTFrig, SprtTSatg, SprtTSung)
days=-8.
IF any(-9, SprtTMong, SprtTTueg, SprtTWedg, SprtTThurg, SprtTFrig, SprtTSatg, SprtTSung)
days=-9.
IF any(-8, NSTMonx, NSTTuex, NSTWedx,NSTThurx, NSTFrix, NSTSatx, NSTSunx) days=-8.
IF any(-9, NSTMonx, NSTTuex, NSTWedx,NSTThurx, NSTFrix, NSTSatx, NSTSunx) days=-9.
IF any(-8, nspatT6, nspatT7, nspatT8, nspatT9, nspatT10, wepat3, wepat4) days=-8.
IF any(-9, nspatT6, nspatT7, nspatT8, nspatT9, nspatT10, wepat3, wepat4) days=-9.
if (nswa=-8 | nswb=-8) days=-8.
if (nswa=-9 | nswb=-9) days=-9.
variable label days "(D) Number of days all physical activities (walking, informal and
formal sports)".
```

DAYSG: (D) Number of days all physical activities (walking, informal and formal sports), grouped

```
SPSS syntax

RECODE Days (0=0)(1=1)(2=2)(3 thru 4=3)(5 thru 7=4) (else=copy) INTO Daysg.
variable label daysg "(D) Number of days all physical activities (walking, informal and
formal sports), grouped".
```

CHPA: (D) Summary: Meets child PA recommendations (5-15)

```
SPSS syntax

compute chPA=0.
IF PA60T>=3 & PA60T<7 chPA=1.
```

```
IF PA30T=7 chPA=2.
IF MonMVPA>59 & TueMVPA>59 & WedMVPA>59 & ThurMVPA>59 & FriMVPA>59 & SatMVPA>59 &
SunMVPA>59 chPA=3.
IF any(-8, MonMVPA,TueMVPA,WedMVPA,ThurMVPA,FriMVPA,SatMVPA,SunMVPA,nswa,nswb) chPA=-8.
IF any(-9, MonMVPA,TueMVPA,WedMVPA,ThurMVPA,FriMVPA,SatMVPA,SunMVPA,nswa,nswb) chPA=-9.
IF Age>15 | age<5 chPA=-1.
variable label chpa "(D) Summary: Meets child PA recommendations (5-15)".
```

CHPA2: (D) Summary: Meets child PA recommendations (5-15) - Meets recs/some act/low act

```
SPSS syntax

recode chpa (0=3) (1 thru 2=2) (3=1) (else=copy) INTO chpa2.
variable label chpa2 "(D) Summary: Meets child PA recommendations (5-15) - Meets
recs/some act/low act".
```

CHPAA: (D) Summary: Meets child PA recommendations (2-4)

```
SPSS syntax

compute chPAa=0.
IF (MonMVPA>179) & (TueMVPA>179) & (WedMVPA>179) & (ThurMVPA>179) & (FriMVPA>179) &
(SatMVPA>179) & (SunMVPA>179) chPAa=2.
IF (MonMVPA>59 & MonMVPA<180) & (TueMVPA>59 & TueMVPA<180) & (WedMVPA>59 & WedMVPA<180) &
(ThurMVPA>59 & ThurMVPA<180) & (FriMVPA>59 & FriMVPA<180) & (SatMVPA>59 &  SatMVPA<180) &
(SunMVPA>59 & SunMVPA<180) chPAa=1.
IF any(-8, MonMVPA,TueMVPA,WedMVPA,ThurMVPA,FriMVPA,SatMVPA,SunMVPA,nswa,nswb) chPAa=-8.
IF any(-9, MonMVPA,TueMVPA,WedMVPA,ThurMVPA,FriMVPA,SatMVPA,SunMVPA,nswa,nswb) chPAa=-9.
IF Age>4 | age<2 chPAa=-1.
variable label chpaa "(D) Summary: Meets child PA recommendations (2-4)".
```

TOTALPA: (D) CH Time spent doing ALL Activities last week (minutes)

```
SPSS syntax

compute totalPA = wlktot + infactx + sport.
if any(-9,sport,wlktot,infactx) totalPA=-9.
if any(-8,sport,wlktot,infactx) totalPA=-8.
if any(-1,sport,wlktot,infactx) totalPA=-1.
if (age<2)|(age>15) totalPA=-1.
variable label totalpa "(D) CH Time spent doing ALL Activities last week (minutes)".
```

TOTALPAG: (D) CH Time spent doing ALL Activities last week (grouped)

```
SPSS syntax

COMPUTE totalPAg=-5.
IF totalPA>0 & totalPA<60 totalPAg=1.
IF totalPA>=60 & totalPA<180 totalPAg=2.
IF totalPA>=180 & totalPA<300 totalPAg=3.
IF totalPA>=300 & totalPA<420 totalPAg=4.
IF totalPA>=420 totalPAg=5.
IF totalPA<=0 totalPAg= totalPA.
variable label totalpag "(D) CH Time spent doing ALL Activities last week (grouped)".
```

Blood pressure

Admin

MEASBP (D) Blood pressure measured

1 BP measured
2 BP not measured'
3 No nurse visit
4 Not eligible (less than 4)

```
SPSS Syntax

recode respbps (1 thru 3=1) (else=2) into measbp.
If nuroutc<>810 measbp=3.
if age<4 measbp=4.
variable label measbp '(D) Blood pressure measured'.
value label measbp
1 'BP measured'
2 'BP not measured'
3 'No nurse visit'
4 'Not eligible (less than 4)'.
```

BPRESPC (D) Whether blood pressure readings are valid

1 Three valid BP measurements
2 Ate, drank, smoked, exercised in previous half hour
3 Not known if ate, drank, smoked or exercised
4 Three valid readings not obtained
5 Pregnant
6 Refused, attempted but not obtained, not attempted

```
SPSS Syntax

RECODE respbps (1=1) (2,3=4) (4,5,6=6) (-9 thru -1 =COPY) into bprespc.
IF ANY(full,2,-8,-9) | ANY(full2,2,-8,-9) | ANY(full3,2,-8,-9) bprespc=4.
IF (respbps = 1 & any(1,consbx11,consbx12,consbx13,consbx14)) bprespc= 2.
IF (respbps = 1 & ANY(-9,consbx11,consbx12,consbx13,consbx14)) bprespc= 3.
IF (respbps = 1 & (consbx21=1 | consbx22=1)) bprespc= 2.
IF (respbps = 1 & ANY(-9,consbx21,consbx22)) bprespc= 3.
IF pregntj = 1 bprespc= 5.
VAR LAB bprespc "(D) Whether blood pressure readings are valid" .
VALUE LABELS bprespc
1 'Three valid BP measurements'
2 'Ate, drank, smoked,exercised in previous half hour'
3 'Not known if ate, drank, smoked or exercised'
4 'Three valid readings not obtained'
5 'Pregnant'
6 'Refused, attempted but not obtained, not attempted'.
```

Measurements

OMSYSVAL (D) Omron valid mean systolic BP

OMDIAVAL (D) Omron valid mean diastolic BP

-7 Refused, attempted but not obtained, not attempted
-8 No valid readings, not known if ate, drank, smoked or exercised

SPSS Syntax

```
DO REPEAT omval = omsysval omdiaval.
RECODE bprespc (lo thru 0 =COPY) (2,5=-1) (3,4=-8) (6=-7) INTO omval.
END REPEAT.
DO IF bprespc=1.
COMPUTE omsysval = (sys2+sys3)/2.
COMPUTE omdiaval = (dias2 + dias3)/2.
END IF.
VAR LAB omsysval "(D) Omron valid mean systolic BP".
VAR LAB omdiaval "(D) Omron valid mean diastolic BP".
VALUE LABELS omsysval
 -7 'Refused, attempted but not obtained, not attempted'
 -8 'No valid readings, not known if ate, drank, smoked or exercised'.
VALUE LABELS omdiaval
 -7 'Refused, attempted but not obtained, not attempted'
 -8 'No valid readings, not known if ate, drank, smoked or exercised'.
```

Note: interim variable omval is not included in the final data.

HYPER1_2 (D) Hypertensive categories: 160/95: all prescribed drugs for BP {revised}

1 Normotensive untreated
2 Normotensive treated
3 Hypertensive treated
4 Hypertensive untreated
-7 Refused, attempted but not obtained, not attempted

SPSS Syntax

```
RECODE bprespc (2 thru 5,-1=-1)(6=-7) INTO hyper1_2.
DO IF bprespc=1.
IF ANY(bpmedd2,0,-1) & RANGE(omsysval,0,159.999) & RANGE(omdiaval,0,94.999)
  hyper1 2=1.
IF bpmedd2=1 & RANGE(omsysval,0,159.999) & RANGE(omdiaval,0,94.999)
  hyper1 2=2.
IF bpmedd2=1 & (omsysval>=160 | omdiaval>=95) hyper1_2=3.
IF ANY(bpmedd2,0,-1) & (omsysval>=160 | omdiaval>=95) hyper1_2=4.
END IF.
IF (bpmedd2=-9) hyper1 2= -9 .
VARIABLE LABELS hyper1 ” "(D) Hypertensive categories: 160/95: all prescribed drugs for
BP {revised}"
VALUE LABELS hyper1 2
    1 'Normotensive untreated'
    2 'Normotensive treated'
    3 'Hypertensive treated'
    4 'Hypertensive untreated'
   -7 'Refused, attempted but not obtained, not attempted'.
```

HIGHBP1_2 (D) Whether hypertensive: 160/95: all prescribed drugs for BP {revised}

0 Not high BP
1 High BP
-7 Refused, attempted but not obtained, not attempted

```
SPSS Syntax

RECODE hyper1 2(lo thru -1=COPY)(1=0)(2,3,4=1) INTO highbp1 ”.
VARIABLE LABELS highbp1_2 "(D) Whether hypertensive: 160/95: all prescribed drugs for BP
{revised}".
VALUE LABELS highbp1 2
  0 'Not high BP'
  1 'High BP'
  -7 'Refused, attempted but not obtained, not attempted'.
```

HYPER140_2 (D) Hypertensive categories: 140/90: all prescribed drugs for BP {revised}

1 Normotensive untreated
2 Normotensive treated
3 Hypertensive treated
4 Hypertensive untreated
-7 Refused, attempted but not obtained, not attempted

```
SPSS Syntax

RECODE bprespc (2 thru 5,-1=-1)(6=-7)  INTO hyper140 2 .
DO IF bprespc=1.
IF ANY(bpmedd2,0,-1) & RANGE(omsysval,0,139.999) &  RANGE(omdiaval,0,89.999)
  hyper140 2 =1.
IF bpmedd2=1 & RANGE(omsysval,0,139.999) &  RANGE(omdiaval,0,89.999)
  hyper140 2 =2.
IF bpmedd2=1 & (omsysval>=140 | omdiaval>=90)  hyper140 2 =3.
IF ANY(bpmedd2,0,-1) & (omsysval>=140 |  omdiaval>=90) hyper140_2 =4.
END IF.
IF (bpmedd2 = -9) hyper140_2 = -9 .
VARIABLE LABELS hyper140 ” "(D) Hypertensive categories:140/90: all prescribed drugs for
BP {revised}" .
VALUE LABELS hyper140_2
    1 'Normotensive untreated'
    2 'Normotensive treated'
    3 'Hypertensive treated'
    4 'Hypertensive untreated'
     -7 'Refused, attempted but not obtained, not attempted'.
```

HIBP140_2 (D) Whether hypertensive: 140/90: all prescribed drugs for BP {revised}

0 Not high BP
1 High BP
-7 Refused, attempted but not obtained, not attempted

```
SPSS Syntax

RECODE hyper140 2 (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibp140 2.
VARIABLE LABELS hibp140_2 "(D) Whether hypertensive:140/90: all prescribed drugs for BP
{revised}".
VALUE LABELS hibp140 2
  0 'Not high BP'
  1 'High BP'
  -7 'Refused, attempted but not obtained, not attempted'.
```

Blood sample

Admin

WILLBS (D) Willing to have blood sample taken

1 Willing
2 Not willing
3 No nurse visit
4 Not eligible (fit/clotting disorder)

NOTE: Derivation for Year 1

```
SPSS Syntax

compute WillBS=2.
count xxx=bswill tbswill tbswill2 tbswill3 (2).
count yyy=cbsconst tcbscons tcbscon2 tcbscon3 (2).
if ((bswill=1 | tbswill=1 | tbswill2=1 | tbswill3=1) & xxx=0) | ((cbsconst=1 | tcbscons=1
| tcbscon2=1 | tcbscon3=1) & yyy=0) WillBS=1.
if clotb=1 | tclotb2=1 | tclotb3=1 | fit2=1 | tfit2=1 | tfit3=1 willbs=4.
If nuroutc<>810 willbs=3.
variable label WillBS '(D) Willing to have blood sample taken'.
value label WillBS
1 'Willing'
2 'Not willing'
3 'No nurse visit'
4 'Not eligible (fit/clotting disorder'.
```

NOTE: Derivation for Years 2-4 – includes separate clotb and fit variables for children and adults

```
SPSS Syntax

compute WillBS=2.
count xxx=bswill tbswill tbswill2 tbswill3 (2).
count yyy=cbsconst tcbscons tcbscon2 tcbscon3 (2).
if ( (bswill=1 | tbswill=1 | tbswill2=1 | tbswill3=1) & xxx=0) | ( (cbsconst=1 |
tcbscons=1 | tcbscon2=1 | tcbscon3=1) & yyy=0) WillBS=1.
if (clotbc=1 | clotba=1 | tclotbc=1 | tclotba=1 | tclotbc2=1 | tclotba2=1 | tclotbc3=1 |
tclotba3=1 | fitc=1 | fita=1 | tfitc=1 | tfita=1 | tfitc2=1 | tfita2=1 | tfitc3=1 |
tfita3=1) willbs=4.
if nuroutc<>810 willbs=3.
variable label WillBS '(D) Willing to have blood sample taken'.
value label WillBS
1 'Willing'
2 'Not willing'
3 'No nurse visit'
4 'Not applicable (fit/clotting disorder)'.
```

BLOODOC1 (D) Blood outcome

1 Blood sample taken
2 No sample taken
3 No nurse visit
4 Not eligible (fit/clotting disorder)

NOTE: this is for response rates only, it does not denote receipt of analysable sample
NOTE: Derivation for Year 1

SPSS Syntax

```
RECODE SampTak4 (1,2=1) (3=2) (else=copy) INTO BloodOC1.
if clotb=1 | tclotb2=1 | tclotb3=1 | fit2=1 | tfit2=1 | tfit3=1 BloodOC1=4.
if nuroutc<>810 BloodOC1=3.
VARIABLE LABELS BloodOC1 '(D) Blood outcome'.
VALUE LABELS BloodOC1
1 'Blood sample taken'
2 'No sample taken'
3 'No nurse visit'
4 'Not eligible (fit/clotting disorder)'.
```

NOTE: Derivation for Years 2-4 – includes separate clotb and fit variables for children and adults

SPSS Syntax

```
RECODE SampTak4 (1,2=1) (3=2) (else=copy) INTO BloodOC1.
if (clotbc=1 | clotba=1 | tclotbc=1 | tclotba=1 | tclotbc2=1 | tclotba2=1 | tclotbc3=1 |
tclotba3=1 | fitc=1 | fita=1 | tfitc=1 | tfita=1 | tfitc2=1 | tfita2=1 | tfitc3=1 |
tfita3=1) BloodOC1=4.
if nuroutc<>810 BloodOC1=3.
VARIABLE LABELS BloodOC1 '(D) Blood outcome'.
  VALUE LABELS BloodOC1
  1 'Blood sample taken'
  2 'No sample taken'
  3 'No nurse visit'
  4 'Not applicable (fit/clotting disorder)'.
```

BSOUTE (D) Blood outcome

1 Blood sample obtained - all full
2 Blood sample obtained - not all full
3 No blood sample obtained
4 Refused
5 Ineligible (No nurse visit/clot/fit)

NOTE: Derivation for Year 1

SPSS Syntax

```
compute bsoute=0.
if pregntj=1 bsoute=5.
recode samptak4 (1=1)(2=2)(3=3) into bsoute.
recode nuroutc(lo thru 800,820 thru hi=5) into bsoute.
if any(2,bswill,noametop,tbswill,tbswill2,noameto2,tbswill3,noameto3) bsoute=4.
if any(1,clotb,fit2,tclotb,tfit,tfit2,tclotb2,tclotb3,tfit3) bsoute=5.
var lab bsoute "(D) Blood outcome".
value labels bsoute
 1 "Blood sample obtained - all full"
 2 "Blood sample obtained - not all full"
 3 "No blood sample obtained"
 4 "Refused"
 5 "Ineligible (No nurse visit/clot/fit)".
```

NOTE: Derivation for Years 2-4 – includes separate clotb and fit variables for children and adults

SPSS Syntax

```
compute bsoute=0.
if pregntj=1 bsoute=5.
recode samptak4 (1=1)(2=2)(3=3) into bsoute.
recode nuroutc(lo thru 800,820 thru hi=5) into bsoute.
if any(2,bswill,noametop,tbswill,tbswill2,noameto2,tbswill3,noameto3) bsoute=4.
if
any(1,clotbc,clotba,fita,fitc,tclotbc,tclotba,tfitc,tfita,tclotbc2,tclotba2,tfitc2,tfita2
,tclotbc3,tclotba3,tfitc3,tfita3) bsoute=5.
var lab bsoute "(D) Blood outcome".
value labels bsoute
 1 "Blood sample obtained - all full"
 2 "Blood sample obtained - not all full"
 3 "No blood sample obtained"
 4 "Refused"
 5 "Ineligible (No nurse visit/clot/fit)".
```

Measurements

Hb_g_L (D) Haemoglobin converted to litres (g/L)

```
SPSS Syntax

do if hb>0.
COMPUTE Hb_g_L = hb * 10 .
ELSE.
COMPUTE Hb g L = hb.
end if.
var lab Hb_g_L "(D) Haemoglobin converted to litres (g/L)".
```

HB (D) Haemoglobin converted to decilitres (g/dL)

```
SPSS Syntax

do if Hblitres>0.
COMPUTE hb = Hblitres / 10 .
ELSE.
COMPUTE hb = Hblitres.
end if.
var lab hb "(D) Haemoglobin converted to decilitres (g/dL)".
```

ATCCHOLRATIO (D) Calculation of ATC:total cholesterol ratio

To derive the variable, ATCCHOLRATIO *users should use the example syntax provided below. The archive dataset does not include a specific* ATCCHOLRATIO *variable*

```
SPSS Syntax

do if atc>0 & chol>0.
COMPUTE Atccholratio = atc / chol .
ELSE.
COMPUTE Atccholratio =-1.
end if.
formats Atccholratio (F3.2).
var lab Atccholratio "(D) Calculation of ATC:total cholesterol ratio".
```

Determination of per cent below/above a threshold

To derive the per cent below/above a threshold variable, users should adapt the example syntax provided below for Vitamin C. Threshold variables are not included in the archive datasets.

*BLOTARGETVITC (D) Below threshold for Vitamin C
1 Below cut off (<11)
10 Above cut off (>=11)

```
SPSS Syntax

IF (VitC > 0 & VitC < 11) blotargetvitC = 1.
IF (VitC >= 11) blotargetvitC = 10.
EXECUTE .
VARIABLE LABELS blotargetvitC “Below threshold for Vitamin C”.
```

* Syntax shown as an exemplar; variable not included in NDNS RP Year 9-11 dataset

```
VALUE LABELS blotargetvitC
1 'Below cut-off (<11)'
10 'Above cut-off (>=11)'.
```

25-OHD split by season

To derive the 25-OHD by season variable, users should use the example syntax provided below. The archive dataset does not include a specific 25-OHD by season variable.

*SEASONALITYV25OHD (D) 25-OHD split by season

1 Jan to March
2 April to June
3 July to Sept
4 Oct to Dec

SPSS Syntax

```
IF (bloodmth >= 1 & bloodmth <= 3) Seasonalityv25OHD = 1.
IF (bloodmth >= 4 & bloodmth <= 6) Seasonalityv25OHD = 2.
IF (bloodmth >= 7 & bloodmth <= 9) Seasonalityv25OHD = 3.
IF (bloodmth >= 10 & bloodmth <= 12) Seasonalityv25OHD = 4.
VALUE LABELS Seasonalityv25OHD '1' 'Jan to March' '2' 'April to June' '3' 'July to Sept'
'4' 'Oct to Dec'.
```

Spot urine sample

Admin

WILLSPTUR (D) Willing to provide spot urine sample

1 Willing
2 Not willing
3 Not eligible

```
SPSS Syntax

numeric WillSptUr (F2.0).
recode iuragr (lo thru hi=copy) into WillSptUr.
if age<4 | (iureli=1) WillSptUr=3.
var label WillSptUr '(D) Willing to provide spot urine sample'.
value label WillSptUr
 1 'Willing'
 2 'Not willing'
 3 'Not eligible'.
```

SPTUROC (D) Spot urine outcome

1 Spot urine taken
2 No urine taken
3 Not eligible

```
SPSS Syntax

NUMERIC spturoc (F2.0).
recode IUrSam (lo thru hi=copy) into spturoc.
if age<4 | (iureli=1) | (iurcon2=1 & any(-1,1, iurcon3)) | IUragr>1 spturoc=3.
VARIABLE LABELS spturoc '(D) Spot urine outcome'.
VALUE LABELS spturoc
 1 'Spot urine taken'
 2 'No urine taken'
 3 'Not eligible'.
```

Day level dietary data - nutrients

Nutrients (diet only)

FOODEKCAL: Food energy (kcal) diet only

```
SPSS Syntax

COMPUTE FoodEkcal = Energykcal-(alcoholg*7).
```

FOODEKJ: Food energy (kJ) diet only

```
SPSS Syntax

COMPUTE FoodEkj = EnergykJ-(alcoholg*29).
```

5 A Day

NOTE: In order to create the disaggregation variables at the mean/person level, each variable is aggregated in SPSS. For all of the variables below, the specified derived variable syntax is run before aggregation.

To calculate 5 A Day variables it was decided to exclude foods that fell into the 'high fat / high sugars' segment of the Eatwell Guide on the grounds that healthy eating advice is to reduce consumption of foods in this group, so it would not be appropriate to include their fruit and vegetable content in the 5 A Day estimates.

```
SPSS Syntax

SELECT IF NOT SubFoodGroupDesc = "SOFT DRINKS NOT LOW CALORIE CONCENTRATED".
SELECT IF NOT SubFoodGroupDesc = "SOFT DRINKS NOT LOW CALORIE CARBONATED".
SELECT IF NOT SubFoodGroupDesc = "SOFT DRINKS NOT LOW CALORIE RTD STILL".
SELECT IF NOT SubFoodGroupDesc = "SOFT DRINKS LOW CALORIE CONCENTRATED".
SELECT IF NOT SubFoodGroupDesc = "SOFT DRINKS LOW CALORIE CARBONATED".
SELECT IF NOT SubFoodGroupDesc = "SOFT DRINKS LOW CALORIE RTD STILL".
SELECT IF NOT SubFoodGroupDesc = "SUGAR CONFECTIONERY".
SELECT IF NOT SubFoodGroupDesc = "CHOCOLATE CONFECTIONERY".
SELECT IF NOT SubFoodGroupDesc = "BISCUITS MANUFACTURED / RETAIL".
SELECT IF NOT SubFoodGroupDesc = "BISCUITS HOMEMADE".
SELECT IF NOT SubFoodGroupDesc = "BUNS CAKES & PASTRIES MANUFACTURED".
SELECT IF NOT SubFoodGroupDesc = "BUNS CAKES & PASTRIES HOMEMADE".
SELECT IF NOT SubFoodGroupDesc = "SUGAR".
SELECT IF NOT SubFoodGroupDesc = "PRESERVES".
SELECT IF NOT SubFoodGroupDesc = "SWEET SPREADS FILLINGS AND ICING".
SELECT IF NOT SubFoodGroupDesc = "CRISPS AND SAVOURY SNACKS".
SELECT IF NOT SubFoodGroupDesc = "ICE CREAM".
EXECUTE.

SELECT IF NOT RecipeSubFoodGroupDesc = "SOFT DRINKS NOT LOW CALORIE CONCENTRATED".
SELECT IF NOT RecipeSubFoodGroupDesc = "SOFT DRINKS NOT LOW CALORIE CARBONATED".
SELECT IF NOT RecipeSubFoodGroupDesc = "SOFT DRINKS NOT LOW CALORIE RTD STILL".
SELECT IF NOT RecipeSubFoodGroupDesc = "SOFT DRINKS LOW CALORIE CONCENTRATED".
SELECT IF NOT RecipeSubFoodGroupDesc = "SOFT DRINKS LOW CALORIE CARBONATED".
SELECT IF NOT RecipeSubFoodGroupDesc = "SOFT DRINKS LOW CALORIE RTD STILL".
SELECT IF NOT RecipeSubFoodGroupDesc = "SUGAR CONFECTIONERY".
SELECT IF NOT RecipeSubFoodGroupDesc = "CHOCOLATE CONFECTIONERY".
SELECT IF NOT RecipeSubFoodGroupDesc = "BISCUITS MANUFACTURED / RETAIL".
SELECT IF NOT RecipeSubFoodGroupDesc = "BISCUITS HOMEMADE".
SELECT IF NOT RecipeSubFoodGroupDesc = "BUNS CAKES & PASTRIES MANUFACTURED".
SELECT IF NOT RecipeSubFoodGroupDesc = "BUNS CAKES & PASTRIES HOMEMADE".
SELECT IF NOT RecipeSubFoodGroupDesc = "SUGAR".
SELECT IF NOT RecipeSubFoodGroupDesc = "PRESERVES".
SELECT IF NOT RecipeSubFoodGroupDesc = "SWEET SPREADS FILLINGS AND ICING".
```

```
SELECT IF NOT RecipeSubFoodGroupDesc = "CRISPS AND SAVOURY SNACKS".
SELECT IF NOT RecipeSubFoodGroupDesc = "ICE CREAM".
EXECUTE.
```

DRIEDFRUITX3: Dried fruit g x 3

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

COMPUTE Driedfruitx3 = DriedFruitg * 3 .
IF (AGE <11) Driedfruitx3=-5.
EXECUTE .
VALUE LABELS Driedfruitx3 '-5' '<11 years. No current recommendations provided for this
age group'.
```

FRUITJUICEMAX: Fruit juice g (maximum 150g)

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

IF (Fruitjuiceg > 150) fruitjuicemax = 150 .
IF (Fruitjuiceg <= 150) fruitjuicemax = Fruitjuiceg .
IF (AGE <11) fruitjuicemax=-5.
EXECUTE .
VALUE LABELS fruitjuicemax '-5' '<11 years. No current recommendations provided for this
age group'.
```

SMOOTHIEFRUITMAX: Fruit from smoothies g (maximum 160g)

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

IF (SmoothieFruitg > 160) smoothiefruitmax = 160.
IF (SmoothieFruitg <= 160) smoothiefruitmax= SmoothieFruitg .
IF (AGE <11) smoothiefruitmax =-5.
EXECUTE .
VALUE LABELS smoothiefruitmax '-5' '<11 years. No current recommendations provided for
this age group'.
```

TOMPUREEX5: Tomato puree g x 5

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

COMPUTE Tompureex5 = TomatoPureeg * 5 .
IF (AGE <11) Tompureex5 =-5.
EXECUTE .
VALUE LABELS Tompureex5 '-5' '<11 years. No current recommendations provided for this age
group'.
```

BEANSMAX: Beans g (maximum 80g)

-5 <11 years. No current recommendations provided for this age group

SPSS Syntax

```
IF (Beansg > 80) beansmax = 80 .
IF (Beansg <= 80) beansmax = Beansg .
IF (AGE <11) beansmax=-5.
EXECUTE .
VALUE LABELS beansmax'-5' '<11 years. No current recommendations provided for this age
group'.
```

Person level dietary data

Nutrients (diet only)

FOODEKCAL: Food energy (kcal) diet only

```
SPSS Syntax

COMPUTE FoodEkcal = Energykcal-(alcoholg*7).
```

FOODEKJ: Food energy (kJ) diet only

```
SPSS Syntax

COMPUTE FoodEkj = EnergykJ-(alcoholg*29).
```

∗PERCENT CONSUMERS Percentage of participants consuming this food

*Percent consumers are derived using the custom tables command in SPSS to get **Valid N** and **Total N** then divided in excel*

```
Excel calculation

Percent consumers = Valid N / Total N *100
```

Dietary reference values

Deriving "plus supps" variables for micronutrient intakes as a percentage of the RNI and the percentage of participants below the LRNI for minerals

All nutrients appear twice in the dataset; as the contribution from food sources only and as the contribution from all sources (food sources plus supplement sources). The variables from all sources have "plus supps" in the variable name. To derive micronutrient intakes as a percentage of the RNI and the percentage of participants below the LRNI for minerals, the same syntax was used as the "plus supps" variables were originally in a separate file. Example syntax has been provided below for iron, but this syntax can be adapted for any mineral of vitamin.

For any analysis involving supplement takers only, please filter the dataset using SUPPTAKER variable.

To derive the variables for the "plus supps" version of the RNI and below LRNI variables, users should adapt the syntax used for the "food sources only" variables.

```
SPSS Syntax Example 1

COMPUTE PCRNIIron = Ironmg / Ironrni*100 .
EXECUTE .

becomes

COMPUTE PCRNIplussuppsIron = Ironmgplussupps / Ironrni*100 .
EXECUTE .
```

* Syntax shown as an exemplar; variable not included in NDNS RP Year 9 dataset

```
SPSS Syntax Example 2

IF (Ironmg < Ironlrni) bloironlrni =1 .
EXECUTE .

becomes

IF (Ironmgplussupps < Ironlrni) bloironlrniplussupps =1 .
EXECUTE .
```

Meeting recommendation variables need to be derived for Free sugars (% total energy) and AOAC (g).

```
SPSS Syntax Example 3

IF (FreesugarspctotE < 5) bloFreesugarspctotE =1 .
EXECUTE .


IF (AGE <= 4 & AOACfibreg > 15) bloAOACfibreg =1 .
IF (AGE >= 5 & AGE <= 10 & AOACfibreg > 20) bloAOACfibreg =1 .
IF (AGE <= 11 & AGE <= 15 & AOACfibreg > 25) bloAOACfibreg =1 .
IF (AGE <= 16 & AOACfibreg > 30) bloAOACfibreg =1 .
EXECUTE .
```

Please note that thiamin, niacin equivalents and Vitamin B6 require new variables to be derived for comparison to the LRNIs.

```
SPSS Syntax Example 4

COMPUTE Thiaminmgper1000kcal = Thiaminmg / Energykcal * 1000 .
EXECUTE .
```

Food groups (including disaggregated foods)

BEANSMAX: Beans g (maximum 80g)

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

IF (Beansg > 80) beansm80 = 80 .
IF (Beansg <= 80) beansm80 = Beansg .
COMPUTE  beansmax = MEAN(beansm80) .
IF (AGE <11) beansmax=-5.
EXECUTE .
VALUE LABELS beansmax'-5' '<11 years. No current recommendations provided for this age
group'.
```

FRUITJUICEMAX: Fruit juice g (max 150g)

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

IF (Fruitjuiceg > 150) fruitjuicem150 = 150 .
IF (Fruitjuiceg <= 150) fruitjuicem150 = Fruitjuiceg  .
COMPUTE fruitjuicemax = MEAN(fruitjuicem150) .
IF (AGE <11) fruitjuicemax=-5.
EXECUTE .
```

```
VALUE LABELS fruitjuicemax '-5' '<11 years. No current recommendations provided for this
age group'.
```

SMOOTHIEFRUITMAX: Fruit from smoothies g (max 160g)

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

IF (SmoothieFruitg > 160) smoothiefruitm160 = 160.
IF (SmoothieFruitg <= 160) smoothiefruitm160= SmoothieFruitg .
COMPUTE smoothiefruitmax = MEAN(smoothiefruitm160) .
IF (AGE <11) smoothiefruitmax =-5.
EXECUTE .
VALUE LABELS smoothiefruitmax '-5' '<11 years. No current recommendations provided for
this age group'.
```

DRIEDFRUITX3: Dried fruit g x 3

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

COMPUTE Driedfruitmultx3 = DriedFruitg * 3 .
COMPUTE Driedfruitx3 = MEAN(Driedfruitmultx3) .
IF (AGE <11) Driedfruitx3=-5.
EXECUTE .
VALUE LABELS Driedfruitx3 '-5' '<11 years. No current recommendations provided for this
age group'.
```

TOMPUREEX5: Tomato puree g x 5

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

COMPUTE Tompureemultx5 = TomatoPureeg * 5 .
EXECUTE .
COMPUTE Tompureex5 = MEAN(Tompureemultpx5) .
IF (AGE <11) Tompureex5 =-5.
EXECUTE .
VALUE LABELS Tompureex5 '-5' '<11 years. No current recommendations provided for this age
group'.
```

FRUITVEGPORTIONS: Portions of fruit and vegetables (80g)

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

COMPUTE Fruitvegportions = (Fruitg + Driedfruitx3 + Tompureex5 + beansmax + Brassicaceaeg
+  YellowRedGreeng + Othervegg + Tomatoesg) / 80 .
IF (AGE <11) Fruitvegportions =-5.
EXECUTE .
VALUE LABELS Fruitvegportions  '-5' '<11 years. No current recommendations provided for
this age group'.
```

FRUITJUICEPORTIONS: Fruit juice portions (150g)

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax
COMPUTE Fruitjuiceportions = fruitjuicemax / 150 .
IF (AGE <11) Fruitjuiceportions =-5.
EXECUTE .
```

```
VALUE LABELS Fruitjuiceportions  '-5' '<11 years. No current recommendations provided for
this age group'.
```

SMOOTHIEFRUITPORTIONS: Smoothie fruit portions (160g)

-5 <11 years. No current recommendations provided for this age group

SPSS Syntax

```
COMPUTE SmoothieFruitportions = smoothiefruitmax / 160.
IF (AGE <11) SmoothieFruitportions =-5.
EXECUTE .
VALUE LABELS SmoothieFruitportions '-5' '<11 years. No current recommendations provided
for this age group'.
```

TOTFRUITVEGPORTIONS: ”5-a-day” portions (portions/day)

-5 <11 years. No current recommendations provided for this age group

SPSS Syntax

```
COMPUTE Fruitjuicesmoothieportions = Fruitjuiceportions + SmoothieFruitportions .
IF (Fruitjuicesmoothieportions > 1) Fruitjuicesmoothieportions_capped = 1.
IF (Fruitjuicesmoothieportions <= 1) Fruitjuicesmoothieportions_capped =
Fruitjuicesmoothieportions .
IF (AGE <11) Fruitjuicesmoothieportions capped =-5.
EXECUTE .

COMPUTE Totfruitvegportions = Fruitvegportions + Fruitjuicesmoothieportions_capped .
IF (AGE <11) Totfruitvegportions =-5.
EXECUTE .
VALUE LABELS Totfruitvegportions  '-5' '<11 years. No current recommendations provided
for this age group'.
```

ACHIEVE5: Consuming 5 or more portions per day of fruit and vegetables

1 Yes
2 No
-5 <11 years. No current recommendations provided for this age group

SPSS Syntax

```
IF (Totfruitvegportions >= 5) Achieve5 = 1.
RECODE Achieve5 (SYSMIS=2).
IF (AGE <11) ACHIEVE5 =-5.
EXECUTE.
VALUE LABELS  Achieve5
'1' 'Yes'
'2' 'No'
'-5' '<11 years. No current recommendations provided for this age group'.
```

TOTALVEG: Total vegetables

SPSS Syntax

```
COMPUTE totalveg = Beansg + Brassicaceaeg + OtherVegg + Tomatoesg + TomatoPureeg +
YellowRedGreeng.
```

TOTALFRUIT: Total fruit (not including juice)

SPSS Syntax

```
COMPUTE totalfruit = Fruitg + DriedFruitg + SmoothieFruitg.
```

TOTALFRUITANDVEG: Total fruit (not including juice) and vegetables

```
SPSS Syntax

COMPUTE totalfruitandveg = totalfruit + totalveg .
EXECUTE
```

TOTALFISH: Total fish (incl from composite dishes) (g)

```
SPSS Syntax

COMPUTE totalfish = WhiteFishg + OilyFishg + CannedTunag + Shellfishg.
EXECUTE .
```

TOTALREDMEAT: Total red meat (incl from composite dishes) (g)

```
SPSS Syntax

COMPUTE totalredmeat = Beefg + Burgersg + Lambg + Offalg + OtherRedMeatg + Porkg +
ProcessedRedMeatg + Sausagesg.
EXECUTE .
```

TOTALWHITEMEAT: Total white meat (incl from composite dishes) (g)

```
SPSS Syntax

COMPUTE totalwhitemeat = GameBirdsg + ProcessedPoultryg + Poultryg.
EXECUTE .
```

TOTALMEAT: Total meat (incl from composite dishes) (g)

```
SPSS Syntax

COMPUTE totalmeat = Beefg + Burgersg + Lambg + Offalg + OtherRedMeatg + Porkg +
ProcessedRedMeatg + Sausagesg + GameBirdsg + ProcessedPoultryg + Poultryg.
EXECUTE .
```

Percent contribution of food groups to nutrient intakes

Variables calculating the percentage contribution of food groups to nutrient intakes do not appear in the Food Level Dietary datasets. However, an example of the syntax used to derive these variables for the NDNS RP Yr9-11 report is provided here.

This example shows the syntax to derive the contribution of all food groups to energy intake. This syntax should be run on the Food Level Dietary datasets. For other nutrients, users should adapt the syntax used below by replacing the nutrient variable in the third line i.e. for contribution of all food groups to total fat intake replace Energy_kcal with.Fat_g and rename the derived variable throughout:

e.g. ENERGY_sum=SUM(Energykcal)

becomes

FAT_sum=SUM(Fatg)

SPSS syntax example

```
AGGREGATE
/BREAK=seriali RecipeMainFoodGroupDesc
/ENERGY sum=SUM(Energykcal).


AGGREGATE
/BREAK=seriali DayofWeek
/Age mean=MEAN(Age).

AGGREGATE
/BREAK=seriali
/DayCount= DiaryDaysCompleted.

COMPUTE ENERGY sum Average = ENERGY sum/ DayCount.

AGGREGATE
/OUTFILE=* MODE=ADDVARIABLES
/BREAK=seriali
/ENERGY sum Average sum=SUM(ENERGY sum Average).

COMPUTE pcEnergykcal= (ENERGY sum Average/ENERGY sum Average sum)*100.

SORT CASES BY seriali RecipeMainFoodGroupDesc.

CASESTOVARS
/ID=seriali
  /INDEX=RecipeMainFoodGroupDesc
  /GROUPBY=VARIABLE.

COMPUTE pcEnergykcal.CerealProducts=pcEnergykcal.PASTARICEANDOTHERCEREALS+
pcEnergykcal.WHITEBREAD+pcEnergykcal.WHOLEMEALBREAD+pcEnergykcal.BROWNGRANARYANDWHEATGERM
BREAD+pcEnergykcal.OTHERBREAD+pcEnergykcal.HIGHFIBREBREAKFASTCEREALS+pcEnergykcal.OTHERBR
EAKFASTCEREALS+pcEnergykcal.BISCUITS+pcEnergykcal.BUNSCAKESPASTRIESANDFRUITPIES+pcEnergyk
cal.PUDDINGS.

COMPUTE
pcEnergykcal.Cheese=pcEnergykcal.CHEDDARCHEESE+pcEnergykcal.COTTAGECHEESE+pcEnergykcal.OT
HERCHEESE.

COMPUTE
pcEnergykcal.MilkProducts=pcEnergykcal.WHOLEMILK+pcEnergykcal.SEMISKIMMEDMILK+pcEnergykca
l.SKIMMEDMILK+pcEnergykcal.OnePercentFatMilk+pcEnergykcal.OTHERMILKANDCREAM+pcEnergykcal.
```

```
CHEDDARCHEESE+pcEnergykcal.COTTAGECHEESE+pcEnergykcal.OTHERCHEESE+pcEnergykcal.YOGURTFROM
AGEFRAISANDDAIRYDESSERTS+pcEnergykcal.ICECREAM

COMPUTE
pcEnergykcal.FatSpreads=pcEnergykcal.BUTTER+pcEnergykcal.REDUCEDFATSPREADPOLYUNSATURATED+
pcEnergykcal.REDUCEDFATSPREADNOTPOLYUNSATURATED+pcEnergykcal.POLYUNSATURATEDLOWFATSPREAD+
pcEnergykcal.LOWFATSPREADNOTPOLYUNSATURATED+pcEnergykcal.PUFAMARGARINEANDOILS+pcEnergykca
l.OTHERMARGARINEFATSANDOILS.

COMPUTE
pcEnergykcal.MeatProducts=pcEnergykcal.BACONANDHAM+pcEnergykcal.BEEFVEALANDDISHES+pcEnerg
ykcal.LAMBANDDISHES+pcEnergykcal.PORKANDDISHES+pcEnergykcal.COATEDCHICKEN+pcEnergykcal.CH
ICKENANDTURKEYDISHES+pcEnergykcal.LIVERANDDISHES+pcEnergykcal.BURGERSANDKEBABS+pcEnergykc
al.SAUSAGES+pcEnergykcal.MEATPIESANDPASTRIES+pcEnergykcal.OTHERMEATANDMEATPRODUCTS.

COMPUTE
pcEnergykcal.FishDishes=pcEnergykcal.WHITEFISHCOATEDORFRIED+pcEnergykcal.OTHERWHITEFISHSH
ELLFISHANDFISHDISHES+pcEnergykcal.OILYFISH.

COMPUTE
pcEnergykcal.VegetablesPotatoes=pcEnergykcal.SALADANDOTHERRAWVEGETABLES+pcEnergykcal.VEGE
TABLESNOTRAW+pcEnergykcal.CHIPSFRIEDANDROASTPOTATOESANDPOTATOPRODUCTS+pcEnergykcal.OTHERP
OTATOESPOTATOSALADSANDDISHES.

COMPUTE
pcEnergykcal.SugarPreservesConfectionery=pcEnergykcal.SUGARSPRESERVESANDSWEETSPREADS+pcEn
ergykcal.SUGARCONFECTIONERY+pcEnergykcal.CHOCOLATECONFECTIONERY.

COMPUTE
pcEnergykcal.FruitJuiceMain=pcEnergykcal.FRUITJUICE+pcEnergykcal.SMOOTHIES100PercentFRUIT
ANDORJUICE.

COMPUTE
pcEnergykcal.NonAlcoholicBeverages=pcEnergykcal.FruitJuiceMain+pcEnergykcal.SOFTDRINKSNOT
LOWCALORIE+pcEnergykcal.SOFTDRINKSLOWCALORIE+pcEnergykcal.TEACOFFEEANDWATER.

COMPUTE
pcEnergykcal.AlcoholicBeverages=pcEnergykcal.SPIRITSANDLIQUEURS+pcEnergykcal.WINE+pcEnerg
ykcal.BEERLAGERCIDERANDPERRY.

COMPUTE
pcEnergykcal.SoupManufacturedHomemade=pcEnergykcal.SOUPHOMEMADE+pcEnergykcal.SOUPMANUFACT
UREDRETAIL

COMPUTE
pcEnergykcal.Miscellaneous=pcEnergykcal.BEVERAGESDRYWEIGHT+pcEnergykcal.SoupManufacturedH
omemade+pcEnergykcal.SAVOURYSAUCESPICKLESGRAVIESANDCONDIMENTS+pcEnergykcal.COMMERCIALTODD
LERSFOODSANDDRINKS+pcEnergykcal.NUTRITIONPOWDERSANDDRINKS.

EXECUTE.
```