Health Survey for England

Health and lifestyles

’09

List of Variables

A survey carried out on behalf of The NHS Information Centre for health and social care

National Centre for Social Research
Department of Epidemiology and Public Health, UCL Medical School
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Introduction

This document is the most sensible starting point to analysing the HSE data, as it categorises all the variables stored on the dataset to two levels, and it is therefore easier to see the coverage of questions asked at this summary level, rather than ploughing straight into the documentation of the questionnaires and self-completion booklets.

Once you have found the appropriate variables that you want to analyse, you then need to look at the other documentation to see in more detail exactly how the question was asked in the study, or how a derived variable has been defined.

The source of each variable is indicated in the final column of each table of variables with abbreviations as follows:

<table>
<thead>
<tr>
<th>Source</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HHold</td>
<td>Household CAPI Questionnaire</td>
</tr>
<tr>
<td>Indiv</td>
<td>Individual CAPI Questionnaire</td>
</tr>
<tr>
<td>Nurse</td>
<td>Nurse CAPI Questionnaire</td>
</tr>
<tr>
<td>SC ...</td>
<td>Self-Completion Booklet: SC 8-12, SC 13-15, SC YP, SC Adult or where a question appears in more than one booklet the range is widened (eg SC8-15, SC 16+)</td>
</tr>
<tr>
<td>Lab</td>
<td>Results from laboratory, ie from saliva or serum testing</td>
</tr>
<tr>
<td>ARF</td>
<td>Address Record Form completed for each issued address</td>
</tr>
<tr>
<td>NRF</td>
<td>Nurse Record Form completed for each household where at least one person had agreed to a nurse interview</td>
</tr>
<tr>
<td>Derived</td>
<td>A variable derived from other variables, and detailed in the Derived Variable Specification document</td>
</tr>
</tbody>
</table>
# Classification

## Household

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERIALH</td>
<td>Serial number of household</td>
<td>Hhold</td>
</tr>
<tr>
<td>TOTTIME</td>
<td>Total Interview length in minutes.</td>
<td>Hhold</td>
</tr>
<tr>
<td>HQTIME</td>
<td>Total length of Household/Home Manager questionnaire in minutes.</td>
<td>Hhold</td>
</tr>
<tr>
<td>ADULTS</td>
<td>Number of persons aged 16+ in the household</td>
<td>Hhold</td>
</tr>
<tr>
<td>CHILDREN</td>
<td>Number of children aged 2-15 in the household</td>
<td>Hhold</td>
</tr>
<tr>
<td>INFANTS</td>
<td>Number of infants under age 2 in the household</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR01</td>
<td>Accommodation owned/rented by person 1</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR02</td>
<td>Accommodation owned/rented by person 2</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR03</td>
<td>Accommodation owned/rented by person 3</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR04</td>
<td>Accommodation owned/rented by person 4</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR05</td>
<td>Accommodation owned/rented by person 5</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR06</td>
<td>Accommodation owned/rented by person 6</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR07</td>
<td>Accommodation owned/rented by person 7</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR08</td>
<td>Accommodation owned/rented by person 8</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR09</td>
<td>Accommodation owned/rented by person 9</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR10</td>
<td>Accommodation owned/rented by person 10</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR11</td>
<td>Accommodation owned/rented by person 11</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR12</td>
<td>Accommodation owned/rented by person 12</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHLDR97</td>
<td>Accommodation not owned/rented by a household member</td>
<td>Hhold</td>
</tr>
<tr>
<td>TENUREB</td>
<td>Household tenure</td>
<td>Hhold</td>
</tr>
<tr>
<td>JOBACCOM</td>
<td>Does the accommodation go with the job of anyone in the household?</td>
<td>Hhold</td>
</tr>
<tr>
<td>LANDLORD</td>
<td>Who is your landlord</td>
<td>Hhold</td>
</tr>
<tr>
<td>FURN</td>
<td>Is the accommodation furnished</td>
<td>Hhold</td>
</tr>
<tr>
<td>BEDROOMS</td>
<td>Number of bedrooms in household</td>
<td>Hhold</td>
</tr>
<tr>
<td>PASSM</td>
<td>Persons smoking in accommodation</td>
<td>Hhold</td>
</tr>
<tr>
<td>NUMSM</td>
<td>Number of persons smoking in accommodation</td>
<td>Hhold</td>
</tr>
<tr>
<td>CAR</td>
<td>Car or van available</td>
<td>Hhold</td>
</tr>
<tr>
<td>NUMCARS</td>
<td>Number of cars available</td>
<td>Hhold</td>
</tr>
<tr>
<td>FINOUTC</td>
<td>Final outcome code</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHDTYPB</td>
<td>(D) Household Type</td>
<td>Derived</td>
</tr>
<tr>
<td>HHSIZE</td>
<td>(D) Household Size</td>
<td>Derived</td>
</tr>
</tbody>
</table>

*Variable scrambled and renamed Pserial in archived dataset.*

## Individual

<table>
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<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERIALI</td>
<td>Serial number of individual</td>
<td>Indiv</td>
</tr>
<tr>
<td>SEX</td>
<td>Sex</td>
<td>Hhold</td>
</tr>
<tr>
<td>AGE</td>
<td>Age last birthday</td>
<td>Hhold</td>
</tr>
<tr>
<td>DOBDAY*</td>
<td>Day of birth</td>
<td>Hhold</td>
</tr>
<tr>
<td>DOBMON*</td>
<td>Month of birth</td>
<td>Hhold</td>
</tr>
<tr>
<td>DOBYEAR*</td>
<td>Year of birth</td>
<td>Hhold</td>
</tr>
<tr>
<td>INDOUT</td>
<td>Individual outcome codes</td>
<td>Indiv</td>
</tr>
<tr>
<td>MONTHAGE</td>
<td>Age in months for infants under 1</td>
<td>Hhold</td>
</tr>
<tr>
<td>WEEKAGE</td>
<td>Age in weeks for infants under 2 years</td>
<td>Hhold</td>
</tr>
<tr>
<td>RINDAGE</td>
<td>(D) Age at interview rounded to the nearest integer</td>
<td>Derived</td>
</tr>
<tr>
<td>NIRNDAGE</td>
<td>(D) Age at nurse visit rounded to the nearest integer</td>
<td>Derived</td>
</tr>
<tr>
<td>AG16G10</td>
<td>(D) Age 16+ in ten year bands</td>
<td>Derived</td>
</tr>
<tr>
<td>AG16G20</td>
<td>(D) Age 16+ in twenty year age bands</td>
<td>Derived</td>
</tr>
<tr>
<td>AG65G5</td>
<td>(D) Age 65+ in five year age bands</td>
<td>Derived</td>
</tr>
<tr>
<td>AG015G2</td>
<td>(D) Age 0-15 in two year bands</td>
<td>Derived</td>
</tr>
<tr>
<td>AG215G2</td>
<td>(D) Age 2-15 in two year bands</td>
<td>Derived</td>
</tr>
<tr>
<td>AG215G3</td>
<td>(D) Age 2-15: Approx 3 year age bands</td>
<td>Derived</td>
</tr>
</tbody>
</table>

1 Variable scrambled and renamed Hserial in archived dataset.
2 Variable scrambled and renamed Pserial in archived dataset.
* Removed from dataset due to reasons of confidentiality.
AG415G3 (D) Age 4-15: 3 year age bands
AG515G3 (D) Age 5-15: Approx 3 year age bands
AG715G3 (D) Age 7-15: 3 year age bands

**Admin**

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<thead>
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<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHILD1</td>
<td>Person number of selected child 1</td>
<td>Hhold</td>
</tr>
<tr>
<td>CHILD2</td>
<td>Person number of selected child 2</td>
<td>Hhold</td>
</tr>
<tr>
<td>CHILD3</td>
<td>Person number of selected child 3</td>
<td>Hhold</td>
</tr>
<tr>
<td>PERSNO</td>
<td>Person number</td>
<td>Indiv</td>
</tr>
<tr>
<td>INTNUM</td>
<td>Interviewer number</td>
<td>Hhold</td>
</tr>
<tr>
<td>NHSCAN</td>
<td>Permission to pass name to NHSCR</td>
<td>Indiv</td>
</tr>
<tr>
<td>REINTER</td>
<td>Permission to contact for reinterview</td>
<td>Indiv</td>
</tr>
<tr>
<td>DINTB*</td>
<td>day of interview</td>
<td>Indiv</td>
</tr>
<tr>
<td>MINTB</td>
<td>Month of interview</td>
<td>Indiv</td>
</tr>
<tr>
<td>YINTB*</td>
<td>Year of interview</td>
<td>Indiv</td>
</tr>
<tr>
<td>ADRESP</td>
<td>Who answers on behalf of child U13</td>
<td>Indiv</td>
</tr>
<tr>
<td>NUMP</td>
<td>Number of respondents in this qu'aire. Only visible in test version.</td>
<td>Indiv</td>
</tr>
<tr>
<td>INTDAYW</td>
<td>(D) Weekday of individual interview</td>
<td>Derived</td>
</tr>
<tr>
<td>TNC_LAST</td>
<td>Total No. of calls from successful interviewer</td>
<td>Indiv</td>
</tr>
<tr>
<td>HHRESP</td>
<td>Who answers hhold grid</td>
<td>Hhold</td>
</tr>
<tr>
<td>HQRESP</td>
<td>Status of person answering grids.</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHOLDER</td>
<td>Is this person mentioned at Hhlder?</td>
<td>Indiv</td>
</tr>
<tr>
<td>TNC_SUM</td>
<td>Total No. calls from all interviewers, including re-issues</td>
<td>Indiv</td>
</tr>
</tbody>
</table>

**Booklet Admin**

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOOKCHK</td>
<td>Aged 18 - 24: Asked about drinking/smoking or complete Young Adults S</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCTYPE</td>
<td>Type of S/C offered</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCREC</td>
<td>Self completion received</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP3</td>
<td>SC: booklet completed</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCACC1</td>
<td>SC: Completed independently</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCACC2</td>
<td>SC: Assistance from other children</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCACC3</td>
<td>SC: Assistance from other household member</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCACC4</td>
<td>SC: Assistance from interviewer</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCACC5</td>
<td>SC: Interviewer administered SC booklet</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP600</td>
<td>SC refused: Child away from home during fieldwork period</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP601</td>
<td>SC refused: Eyesight problems</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP602</td>
<td>SC refused: Language problems</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP603</td>
<td>SC refused: Reading/writing/comprehension difficulties</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP604</td>
<td>SC refused: Bored/fed up/ tired</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP605</td>
<td>SC refused: Questions too sensitive/invasion of privacy</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP606</td>
<td>SC refused: Booklet too long/too busy/taken long enough already</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP607</td>
<td>SC refused: No other reason given</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP608</td>
<td>SC refused: Illness/disability (physical or mental)</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP609</td>
<td>SC refused: Child 2-12 asleep</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP610</td>
<td>SC refused: Not in/not available (for child 2-12, use codes 00 or 09 if possible)</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP611</td>
<td>SC refused: Proxy refusal</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP612</td>
<td>SC refused: No self completion booklet available</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP697</td>
<td>SC refused: Other reason</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP5a1</td>
<td>SC present: Spouse/ partner</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP5a2</td>
<td>SC present: Parent(s) (incl step/foster)</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP5a3</td>
<td>SC present: Brother(s)/ sister(s)</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP5a4</td>
<td>SC present: Own/related child(ren) (incl step/foster/partner’s)</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP5a5</td>
<td>SC present: Other relative(s)</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP5a6</td>
<td>SC present: Unrelated adult(s)</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP5a7</td>
<td>SC present: Unrelated child(ren)</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCOMP5a8</td>
<td>SC present: Interviewer</td>
<td>Indiv</td>
</tr>
</tbody>
</table>

* Removed from dataset due to reasons of confidentiality.
### Education

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUCEND</td>
<td>At what age did you finish full-time continuous education</td>
<td>Indiv</td>
</tr>
<tr>
<td>QUALA01</td>
<td>Which of the qualifications on this card do you have</td>
<td>Indiv</td>
</tr>
<tr>
<td>QUALA02</td>
<td>Which of the qualifications on this card do you have</td>
<td>Indiv</td>
</tr>
<tr>
<td>QUALA03</td>
<td>Which of the qualifications on this card do you have</td>
<td>Indiv</td>
</tr>
<tr>
<td>QUALA04</td>
<td>Which of the qualifications on this card do you have</td>
<td>Indiv</td>
</tr>
<tr>
<td>QUALA05</td>
<td>Which of the qualifications on this card do you have</td>
<td>Indiv</td>
</tr>
<tr>
<td>QUALA06</td>
<td>Which of the qualifications on this card do you have</td>
<td>Indiv</td>
</tr>
<tr>
<td>QUALA07</td>
<td>Which of the qualifications on this card do you have</td>
<td>Indiv</td>
</tr>
<tr>
<td>QUALA08</td>
<td>Which of the qualifications on this card do you have</td>
<td>Indiv</td>
</tr>
<tr>
<td>QUALA09</td>
<td>Which of the qualifications on this card do you have</td>
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</tr>
<tr>
<td>QUALA10</td>
<td>Which of the qualifications on this card do you have</td>
<td>Indiv</td>
</tr>
<tr>
<td>TOPQUAL3</td>
<td>Highest educational qualification</td>
<td>Derived</td>
</tr>
<tr>
<td>TOPQUAL2</td>
<td>Highest educational qualification - Students separate</td>
<td>Derived</td>
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### Employment Status

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRPSOC2</td>
<td>SOC2000 (with dots)</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPSIC3</td>
<td>HRP: Activity status for last week</td>
<td>Hhold</td>
</tr>
<tr>
<td>DVHRPNUM</td>
<td>Person number of household reference person</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPACTIV</td>
<td>HRP: Activity status for last week</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPSTWK</td>
<td>HRP: Paid work in last 7 days</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRP4WKLK</td>
<td>HRP: Looking for paid work/govt scheme in last 4 weeks</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRP2WKST</td>
<td>HRP: Able to start work within 2 weeks</td>
<td>Hhold</td>
</tr>
<tr>
<td>HREPEVER</td>
<td>HRP: Ever had paid employment or self employed</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPOTHED</td>
<td>HRP: Ever had other employment (waiting to take up job)</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPLOYAL</td>
<td>HRP: How long has been looking for paid employment</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPAYAGE</td>
<td>HRP: Age when last had a paid job</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPAYLAST</td>
<td>HRP: Which month in that year did you leave?</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPPAYMN</td>
<td>HRP: Which year did you leave last paid job?</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPFPT</td>
<td>HRP: Full time, part time</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPLOYAL</td>
<td>HRP: Ever had other employment (waiting to start work)</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPDIRECT</td>
<td>HRP: Manager/Foreman</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPSEC</td>
<td>Socio-Economic Group</td>
<td>Hhold</td>
</tr>
<tr>
<td>HRPSEG</td>
<td>NS-SEC Operational Categories (hrp)</td>
<td>Hhold</td>
</tr>
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<td>ACTIJB</td>
<td>Activity status for last week</td>
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</tr>
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<td>STWORK</td>
<td>Paid work in last 7 days</td>
<td>Indiv</td>
</tr>
<tr>
<td>I4WKLOOK</td>
<td>Looking paid work/govt scheme last 4 weeks</td>
<td>Indiv</td>
</tr>
<tr>
<td>TWRSRIT</td>
<td>Able to start work within 2 weeks</td>
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</tr>
<tr>
<td>EVERJOB</td>
<td>Ever had paid employment or self-employed</td>
<td>Indiv</td>
</tr>
<tr>
<td>OTHPFAID</td>
<td>Ever had other employment (waiting to start work)</td>
<td>Indiv</td>
</tr>
<tr>
<td>HOWLON</td>
<td>How long have you been looking</td>
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</tr>
<tr>
<td>PAYAGE</td>
<td>Age when last had a paid job</td>
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</tr>
<tr>
<td>PAYLAST</td>
<td>Year last paid job</td>
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</tr>
<tr>
<td>PAYMON</td>
<td>Month last paid job</td>
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<tr>
<td>FTPTIME</td>
<td>Full-time or part-time</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCLASS</td>
<td>Social Class</td>
<td>Indiv</td>
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3 Variable renamed HRPsoc2b in archived dataset
4 Variable renamed HRPsic3b in archived dataset

---

HSE 2009 List of Variables: Classification 8
<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
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</thead>
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<tr>
<td>SEG</td>
<td>Socio-Economic Group</td>
<td>Indiv</td>
</tr>
<tr>
<td>EMPLOYE</td>
<td>Whether employee/self employed</td>
<td>Indiv</td>
</tr>
<tr>
<td>DIRCTR</td>
<td>Director of company</td>
<td>Indiv</td>
</tr>
<tr>
<td>EMPSTAT</td>
<td>Manager/Foreman</td>
<td>Indiv</td>
</tr>
<tr>
<td>NEMPLLEE</td>
<td>Number employed at place of work</td>
<td>Indiv</td>
</tr>
<tr>
<td>SNEMPLLEE</td>
<td>Self employed, how many employees</td>
<td>Indiv</td>
</tr>
<tr>
<td>SOC2000</td>
<td>SOC2000 (with dots)</td>
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</tr>
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<td>STNSES5EC</td>
<td>NS-SEC - long version</td>
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</tr>
<tr>
<td>SOC90</td>
<td>SOC90 code</td>
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<tr>
<td>SIC2003</td>
<td>SIC2003 code</td>
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<td>NSSEC</td>
<td>NS-SEC - long version (harmonised)</td>
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<tr>
<td>SCHRF</td>
<td>(D) Social Class of HRP - Harmonised</td>
<td>Derived</td>
</tr>
<tr>
<td>SCHRFG7</td>
<td>(D) Social Class of HRP - I,II,III,IV,Others</td>
<td>Derived</td>
</tr>
<tr>
<td>SCHRFG6</td>
<td>(D) Social Class of HRP - I,II,III,IV</td>
<td>Derived</td>
</tr>
<tr>
<td>SCHRFG4</td>
<td>(D) Social Class of HRP: I/II/III,IV</td>
<td>Derived</td>
</tr>
<tr>
<td>SCALLX</td>
<td>(D) Social Class of Indiv - Harmonised</td>
<td>Derived</td>
</tr>
<tr>
<td>SCALLXg2</td>
<td>(D) Soc Class of Indiv - Harmonised: Non-Man/Manual</td>
<td>Derived</td>
</tr>
<tr>
<td>ECONACT</td>
<td>(D) Economic Status (4 groups)</td>
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</tr>
<tr>
<td>NSSEC8</td>
<td>(D) NS-SEC 8 variable classification (individual)</td>
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</tr>
<tr>
<td>NSSEC5</td>
<td>(D) NS-SEC 5 variable classification (individual)</td>
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</tr>
<tr>
<td>NSSEC3</td>
<td>(D) NS-SEC 3 variable classification (individual)</td>
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</tr>
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<td>HPNSSEC8</td>
<td>(D) NS-SEC 8 variable classification (hrp)</td>
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<td>HPNSSEC5</td>
<td>(D) NS-SEC 5 variable classification (hrp)</td>
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<td>(D) NS-SEC 3 variable classification (hrp)</td>
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**Ethnicity**

<table>
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<th>Variable</th>
<th>Description</th>
<th>Source</th>
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<tbody>
<tr>
<td>ORIGIN</td>
<td>Origin of individual</td>
<td>Indiv</td>
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**Income**

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRCIN01B</td>
<td>Income: Earnings from employment or self-employment</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN02B</td>
<td>Income: State retirement pension</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN03B</td>
<td>Income: Pension from former employer</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN04B</td>
<td>Income: Personal pensions</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN05B</td>
<td>Income: Child Benefit</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN06B</td>
<td>Income: Job-Seekers Allowance</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN07B</td>
<td>Income: Pension Credit</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN08B</td>
<td>Income: Income Support</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN09B</td>
<td>Income: Working Tax Credit</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN10B</td>
<td>Income: Child Tax Credit</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN11B</td>
<td>Income: Housing Benefit</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN12B</td>
<td>Income: Other state benefits</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN13B</td>
<td>Income: Interest from savings and investments (eg stocks &amp; shares)</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN14B</td>
<td>Income: Other kinds of regular allowance from outside your household</td>
<td>Hhold</td>
</tr>
<tr>
<td>SRCIN15B</td>
<td>Income: No source of income</td>
<td>Hhold</td>
</tr>
<tr>
<td>OTHINC</td>
<td>Whether other income in household</td>
<td>Hhold</td>
</tr>
<tr>
<td>JINTINC</td>
<td>Joint income</td>
<td>Hhold</td>
</tr>
<tr>
<td>HHINC</td>
<td>Total household income</td>
<td>Hhold</td>
</tr>
<tr>
<td>EQVINC</td>
<td>(D) Equivalised Income</td>
<td>Derived</td>
</tr>
<tr>
<td>MCCLEM</td>
<td>(D) McClements household score for equivalised income</td>
<td>Derived</td>
</tr>
<tr>
<td>EQV3</td>
<td>(D) Equivalised Income Tertiles</td>
<td>Derived</td>
</tr>
<tr>
<td>EQV5</td>
<td>(D) Equivalised Income Quintiles</td>
<td>Derived</td>
</tr>
<tr>
<td>TOTINC</td>
<td>(D) Total Household Income</td>
<td>Derived</td>
</tr>
</tbody>
</table>

5 Variable renamed Soc2000b in archived dataset.
6 Variable renamed SIC2003b in archived dataset.
### Nurse Admin

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRFNO*</td>
<td>Nurse Number</td>
<td>Nurse</td>
</tr>
<tr>
<td>NUROUTC</td>
<td>Outcome of nurse visit</td>
<td>Nurse</td>
</tr>
<tr>
<td>NURSE</td>
<td>Agreed to nurse appointment (at individual interview)</td>
<td>Indiv</td>
</tr>
<tr>
<td>NURSERE0</td>
<td>Refused nurse: Own doctor already has information</td>
<td>Indiv</td>
</tr>
<tr>
<td>NURSERE1</td>
<td>Refused nurse: Given enough time already to this survey/expecting too much</td>
<td>Indiv</td>
</tr>
<tr>
<td>NURSERE2</td>
<td>Refused nurse: Too busy, cannot spare the time</td>
<td>Indiv</td>
</tr>
<tr>
<td>NURSERE3</td>
<td>Refused nurse: Had enough of medical tests/medical profession at present ti</td>
<td>Indiv</td>
</tr>
<tr>
<td>NURSERE4</td>
<td>Refused nurse: Worried about what nurse may find out</td>
<td>Indiv</td>
</tr>
<tr>
<td>NURSERE5</td>
<td>Refused nurse: Scared of medical profession/ particular medical procedures</td>
<td>Indiv</td>
</tr>
<tr>
<td>NURSERE6</td>
<td>Refused nurse: Not interested/Can't be bothered/No particular reason</td>
<td>Indiv</td>
</tr>
<tr>
<td>NURSERE7</td>
<td>Refused nurse: Other reason</td>
<td>Indiv</td>
</tr>
<tr>
<td>VISDAY*</td>
<td>Date of nurse interview, day</td>
<td>Nurse</td>
</tr>
<tr>
<td>VISMON</td>
<td>Date of nurse interview, month</td>
<td>Nurse</td>
</tr>
<tr>
<td>VISYEAR*</td>
<td>Date of nurse interview, year</td>
<td>Nurse</td>
</tr>
<tr>
<td>NURDAYW</td>
<td>(D) Weekday of nurse interview</td>
<td>Derived</td>
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### Relationships

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARITALB</td>
<td>Marital status</td>
<td>Hhold</td>
</tr>
<tr>
<td>COUPLE</td>
<td>Living with anyone in this household</td>
<td>Hhold</td>
</tr>
<tr>
<td>LEGPAR</td>
<td>Parent/Legal guardian in hhold</td>
<td>Hhold</td>
</tr>
<tr>
<td>PAR1</td>
<td>Child’s parent or legal responsibility for him/her</td>
<td>Hhold</td>
</tr>
<tr>
<td>PAR2</td>
<td>Other parent or legally responsible for him/her</td>
<td>Hhold</td>
</tr>
<tr>
<td>RELTO01</td>
<td>Relationship to person 01</td>
<td>Hhold</td>
</tr>
<tr>
<td>RELTO02</td>
<td>Relationship to person 02</td>
<td>Hhold</td>
</tr>
<tr>
<td>RELTO03</td>
<td>Relationship to person 03</td>
<td>Hhold</td>
</tr>
<tr>
<td>RELTO04</td>
<td>Relationship to person 04</td>
<td>Hhold</td>
</tr>
<tr>
<td>RELTO05</td>
<td>Relationship to person 05</td>
<td>Hhold</td>
</tr>
<tr>
<td>RELTO06</td>
<td>Relationship to person 06</td>
<td>Hhold</td>
</tr>
<tr>
<td>RELTO07</td>
<td>Relationship to person 07</td>
<td>Hhold</td>
</tr>
<tr>
<td>RELTO08</td>
<td>Relationship to person 08</td>
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</tr>
<tr>
<td>RELTO09</td>
<td>Relationship to person 09</td>
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<td>RELTO10</td>
<td>Relationship to person 10</td>
<td>Hhold</td>
</tr>
<tr>
<td>RELTO11</td>
<td>Relationship to person 11</td>
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</tr>
<tr>
<td>RELTO12</td>
<td>Relationship to person 12</td>
<td>Hhold</td>
</tr>
<tr>
<td>LIVEWITH</td>
<td>Cohabitee</td>
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<tr>
<td>MARSTATC</td>
<td>(D) Marital status including cohabitees</td>
<td>Derived</td>
</tr>
<tr>
<td>NATPR1</td>
<td>(D) Relationship of child to parent or guardian</td>
<td>Derived</td>
</tr>
<tr>
<td>NATPR2</td>
<td>(D) Relationship of child to parent or guardian</td>
<td>Derived</td>
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### Sample Info

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>SAMP11PE</td>
<td>Sample type</td>
<td>Sample</td>
</tr>
<tr>
<td>FLDAREA*</td>
<td>Field area</td>
<td>Sample</td>
</tr>
<tr>
<td>TYPDWELA*</td>
<td>Dwelling type</td>
<td>Arf</td>
</tr>
<tr>
<td>URBAN</td>
<td>(D) Degree of urbanisation</td>
<td>Derived</td>
</tr>
<tr>
<td>IMD2007</td>
<td>(D) Index of multiple deprivation (SOA level) 2007</td>
<td>Derived</td>
</tr>
<tr>
<td>URINDEW*</td>
<td>Urban/Rural indicator</td>
<td>Sample</td>
</tr>
<tr>
<td>GOR07</td>
<td>Government Office Region</td>
<td>Sample</td>
</tr>
<tr>
<td>SHA</td>
<td>Strategic Health Authority</td>
<td>Sample</td>
</tr>
<tr>
<td>POINT7</td>
<td>Sample point number</td>
<td>Sample</td>
</tr>
<tr>
<td>ADDRESS8</td>
<td>Address number</td>
<td>Sample</td>
</tr>
<tr>
<td>HHOLD</td>
<td>Household</td>
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* Removed from dataset due to reasons of confidentiality.
7 Variable scrambled and renamed PSU in archived dataset
8 Variable scrambled and renamed ADDNUM in archived dataset.
<table>
<thead>
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<th>Description</th>
<th>Source</th>
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<tr>
<td>STRATA</td>
<td>Stratification level</td>
<td>Indiv</td>
</tr>
<tr>
<td>NOFHH</td>
<td>Number of households</td>
<td>Arf</td>
</tr>
<tr>
<td>PCTSPEAR</td>
<td>(D) PCT Spearhead</td>
<td>Derived</td>
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</tbody>
</table>

<table>
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<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>WT_CHILD</td>
<td>HSE 2009 Weight for analysis of child sample (boost &amp; core)</td>
<td>Other</td>
</tr>
<tr>
<td>WT_CHANGELOM</td>
<td>HSE 2009 Selection weight for time series analysis of child sample</td>
<td>Other</td>
</tr>
<tr>
<td>WT_HHLD</td>
<td>HSE 2009 household level weight</td>
<td>Other</td>
</tr>
<tr>
<td>WT_RETESTURINE</td>
<td>HSE 2009 Weight for analysis of core tested blood sample</td>
<td>Other</td>
</tr>
<tr>
<td>WT_BLOOD</td>
<td>HSE 2009 Weight for analysis of core blood sample</td>
<td>Other</td>
</tr>
<tr>
<td>WT_COTININE</td>
<td>HSE 2009 Weight for analysis of cotinine sample</td>
<td>Other</td>
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</table>

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9 Variable scrambled and renamed CLUSTER in archived dataset
Accidents

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBICYCLE</td>
<td>Do you have bicycle</td>
<td>SC 8-12</td>
</tr>
<tr>
<td>CHELMA</td>
<td>Wear a bicycle helmet when riding</td>
<td>SC 8-12</td>
</tr>
<tr>
<td>CHELMB1</td>
<td>Wearing a helmet makes me feel safer when I ride a bike</td>
<td>SC 8-12</td>
</tr>
<tr>
<td>CHELMB2</td>
<td>I sometimes forget to put my helmet on</td>
<td>SC 8-12</td>
</tr>
<tr>
<td>CHELMB3</td>
<td>Bicycle helmets cost too much money</td>
<td>SC 8-12</td>
</tr>
<tr>
<td>CHELMB4</td>
<td>Helmets look good</td>
<td>SC 8-12</td>
</tr>
<tr>
<td>CHELMB5</td>
<td>It is difficult to get helmets to fit</td>
<td>SC 8-12</td>
</tr>
<tr>
<td>CHELMB6</td>
<td>Helmets can protect you if you have an accident</td>
<td>SC 8-12</td>
</tr>
<tr>
<td>CHELMB7</td>
<td>Wearing a helmet makes me feel like a proper cyclist</td>
<td>SC 8-12</td>
</tr>
</tbody>
</table>
# Anthropometric Measurements

## Birth

<table>
<thead>
<tr>
<th>Variable</th>
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<tbody>
<tr>
<td>PRMATURE</td>
<td>Whether born prematurely</td>
<td>Indiv</td>
</tr>
<tr>
<td>PRWEEKS</td>
<td>Number of weeks born early</td>
<td>Indiv</td>
</tr>
</tbody>
</table>

## Height/Weight Admin

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPHTS</td>
<td>Response to height measurement</td>
<td>Indiv</td>
</tr>
<tr>
<td>RESNHI</td>
<td>Reason for refusal of height</td>
<td>Indiv</td>
</tr>
<tr>
<td>EHTCH</td>
<td>Non proxy: Form in which estimated height given</td>
<td>Indiv</td>
</tr>
<tr>
<td>NOHTBX</td>
<td>Reason for not obtaining height measurement</td>
<td>Indiv</td>
</tr>
<tr>
<td>RELHTE</td>
<td>Is this height measurement reliable?</td>
<td>Indiv</td>
</tr>
<tr>
<td>HINREL</td>
<td>Why height unreliable</td>
<td>Indiv</td>
</tr>
<tr>
<td>RESPWTS</td>
<td>Response to weight measurement</td>
<td>Indiv</td>
</tr>
<tr>
<td>RESNWT</td>
<td>Refusal of weight measurement</td>
<td>Indiv</td>
</tr>
<tr>
<td>NOWTBX</td>
<td>Reason for not obtaining weight measurement</td>
<td>Indiv</td>
</tr>
<tr>
<td>EWATCH</td>
<td>Form in which estimated weight given</td>
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</tr>
<tr>
<td>FLOORC1</td>
<td>Scales placed on uneven floor</td>
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</tr>
<tr>
<td>FLOORC2</td>
<td>Scales placed on carpet</td>
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</tr>
<tr>
<td>FLOORC3</td>
<td>Scales placed on none of these</td>
<td>Indiv</td>
</tr>
<tr>
<td>RELWAITB</td>
<td>Weight measurement reliable</td>
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</tr>
<tr>
<td>STADNO</td>
<td>Serial number of stadiometer</td>
<td>Indiv</td>
</tr>
<tr>
<td>SCLNO</td>
<td>Serial number of scales</td>
<td>Indiv</td>
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<tr>
<td>SAYWGT</td>
<td>Given your age and height, would you say you are...</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>SAYDIET</td>
<td>Are you trying to lose or gain weight?</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>HTOK</td>
<td>(D) Whether height measure is valid</td>
<td>Derived</td>
</tr>
<tr>
<td>WTKOK</td>
<td>(D) Whether weight measure is valid</td>
<td>Derived</td>
</tr>
<tr>
<td>BMIOK</td>
<td>(D) Whether bmi measure is valid</td>
<td>Derived</td>
</tr>
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## Measurements

<table>
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<tr>
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<th>Source</th>
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<tbody>
<tr>
<td>HEIGHT</td>
<td>Height (cm) inc unreliable measurements</td>
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</tr>
<tr>
<td>ESTHHT</td>
<td>Estimated height (cm)</td>
<td>Indiv</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>Weight (kg) - inc unreliable measurements</td>
<td>Indiv</td>
</tr>
<tr>
<td>ESTWT</td>
<td>Estimated weight (cm)</td>
<td>Indiv</td>
</tr>
<tr>
<td>BIRTHWT</td>
<td>Birth weight (kg)</td>
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</tr>
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<td>Waist 1st measurement (cm)</td>
<td>Nurse</td>
</tr>
<tr>
<td>HIP1</td>
<td>Hip 1st measurement (cm)</td>
<td>Nurse</td>
</tr>
<tr>
<td>WAIST2</td>
<td>Waist 2nd measurement (cm)</td>
<td>Nurse</td>
</tr>
<tr>
<td>HIP2</td>
<td>Hip 2nd measurement (cm)</td>
<td>Nurse</td>
</tr>
<tr>
<td>WAIST3</td>
<td>Waist 3rd measurement (cm)</td>
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</tr>
<tr>
<td>HIP3</td>
<td>Hip 3rd measurement (cm)</td>
<td>Nurse</td>
</tr>
<tr>
<td>HTVAL</td>
<td>(D) Valid height (cm)</td>
<td>Derived</td>
</tr>
<tr>
<td>WTVAL</td>
<td>(D) Valid weight (Kg) inc. estimated&gt;130kg</td>
<td>Derived</td>
</tr>
<tr>
<td>WSTVAL</td>
<td>(D) Valid Mean Waist (cm)</td>
<td>Derived</td>
</tr>
<tr>
<td>HIPVAL</td>
<td>(D) Valid Mean Hip (cm)</td>
<td>Derived</td>
</tr>
<tr>
<td>BMI</td>
<td>(D) BMI - inc unreliable measurements</td>
<td>Derived</td>
</tr>
<tr>
<td>BMIVAL</td>
<td>(D) Valid BMI</td>
<td>Derived</td>
</tr>
<tr>
<td>BMICAT1</td>
<td>(D) UK BMI national classification standards (85th/95th centile) 2008</td>
<td>Derived</td>
</tr>
<tr>
<td>BMICAT2</td>
<td>(D) BMI status (ovrht inc. obese) 2008</td>
<td>Derived</td>
</tr>
<tr>
<td>BMICAT3</td>
<td>(D) BMI status (non-obese vs obese) 2008</td>
<td>Derived</td>
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<tr>
<td>BMIWHO</td>
<td>(D) WHO 2007 BMI standards 2-4yrs (85th/95th centile)</td>
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<tr>
<td>BMWHO1</td>
<td>(D) WHO 2007 BMI standards 2-4yrs (91st/98th centile)</td>
<td>Derived</td>
</tr>
<tr>
<td>WHVAL</td>
<td>(D) Valid Mean Waist/Hip ratio</td>
<td>Derived</td>
</tr>
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<td>Variable</td>
<td>Description</td>
<td>Source</td>
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<tr>
<td>------------</td>
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<tr>
<td>MENWHGP</td>
<td>(D) Male waist hip ratio groups (adults)</td>
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</tr>
<tr>
<td>MENWHHI</td>
<td>(D) Male high waist hip ratio</td>
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</tr>
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<td>WOMWHGP</td>
<td>(D) Female waist hip ratio groups</td>
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</tr>
<tr>
<td>WOMWHHI</td>
<td>(D) Female high waist hip ratio</td>
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### Waist/Hip Admin

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<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHINTRO</td>
<td>Consent to waist/hip measurements</td>
<td>Nurse</td>
</tr>
<tr>
<td>RESPWH</td>
<td>Response to Waist/Hip measurements</td>
<td>Nurse</td>
</tr>
<tr>
<td>YNOWH</td>
<td>Reason no waist / hip measurements</td>
<td>Nurse</td>
</tr>
<tr>
<td>WHPNABM1</td>
<td>No waist/hip: Respondent is chairbound</td>
<td>Nurse</td>
</tr>
<tr>
<td>WHPNABM2</td>
<td>No waist/hip: Respondent is confined to bed</td>
<td>Nurse</td>
</tr>
<tr>
<td>WHPNABM3</td>
<td>No waist/hip: Respondent is too stooped</td>
<td>Nurse</td>
</tr>
<tr>
<td>WHPNABM4</td>
<td>No waist/hip: Respondent did not understand the procedure</td>
<td>Nurse</td>
</tr>
<tr>
<td>WHPNABM5</td>
<td>No waist/hip: Respondent is embarrassed/sensitive about their size</td>
<td>Nurse</td>
</tr>
<tr>
<td>WHPNABM6</td>
<td>No waist/hip: No time/busy/already spent enough time on this survey</td>
<td>Nurse</td>
</tr>
<tr>
<td>WHPNABM7</td>
<td>No waist/hip: Other reason</td>
<td>Nurse</td>
</tr>
<tr>
<td>WJREL</td>
<td>Whether problems with waist measurement</td>
<td>Nurse</td>
</tr>
<tr>
<td>PROBWJ</td>
<td>Problems likely to increase / decrease waist measurement</td>
<td>Nurse</td>
</tr>
<tr>
<td>HJREL</td>
<td>Whether problems with hip measurement</td>
<td>Nurse</td>
</tr>
<tr>
<td>PROBHVH</td>
<td>Problems likely to increase / decrease waist measurement</td>
<td>Nurse</td>
</tr>
<tr>
<td>WSTOKB</td>
<td>(D) Whether waist measurements are valid</td>
<td>Derived</td>
</tr>
<tr>
<td>HIFOKB</td>
<td>(D) Whether hip measurements are valid</td>
<td>Derived</td>
</tr>
<tr>
<td>WHOKB</td>
<td>(D) Whether waist/hip measure is valid</td>
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## Blood Sample

### Admin

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
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<tbody>
<tr>
<td>BSOUTC</td>
<td>Outcome of blood sample</td>
<td>Nurse</td>
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<tr>
<td>BSOUTE</td>
<td>(D) Blood Sample Outcome</td>
<td>Derived</td>
</tr>
<tr>
<td>CLOTB</td>
<td>Whether has clotting disorder</td>
<td>Nurse</td>
</tr>
<tr>
<td>FIT</td>
<td>Whether ever had a fit</td>
<td>Nurse</td>
</tr>
<tr>
<td>BSWILL</td>
<td>Consent to blood sample</td>
<td>Nurse</td>
</tr>
<tr>
<td>SAMPF1</td>
<td>Plain red tube filled</td>
<td>Nurse</td>
</tr>
<tr>
<td>SAMPF2</td>
<td>EDTA purple tube filled</td>
<td>Nurse</td>
</tr>
<tr>
<td>SAMPF3</td>
<td>Citrate purple tube filled</td>
<td>Nurse</td>
</tr>
<tr>
<td>SAMPFAK</td>
<td>Blood sample outcome:</td>
<td>Nurse</td>
</tr>
<tr>
<td>SAMPARM</td>
<td>Which arm the blood was taken</td>
<td>Nurse</td>
</tr>
<tr>
<td>SAMDIFC1</td>
<td>Blood sample prob: No problem</td>
<td>Nurse</td>
</tr>
<tr>
<td>SAMDIFC2</td>
<td>Blood sample prob: Incomplete sample</td>
<td>Nurse</td>
</tr>
<tr>
<td>SAMDIFC3</td>
<td>Blood sample prob: Collapsing/poor veins</td>
<td>Nurse</td>
</tr>
<tr>
<td>SAMDIFC4</td>
<td>Blood sample prob: Second attempt necessary</td>
<td>Nurse</td>
</tr>
<tr>
<td>SAMDIFC5</td>
<td>Blood sample prob: Some blood obtained, but respondent felt faint/fainted</td>
<td>Nurse</td>
</tr>
<tr>
<td>SAMDIFC6</td>
<td>Blood sample prob: Unable to use tourniquet</td>
<td>Nurse</td>
</tr>
<tr>
<td>SAMDIFC7</td>
<td>Blood sample prob: Other</td>
<td>Nurse</td>
</tr>
<tr>
<td>NOBSC1</td>
<td>No blood obtained: No suitable or no palpable vein/collapsed veins</td>
<td>Nurse</td>
</tr>
<tr>
<td>NOBSC2</td>
<td>No blood obtained: Respondent was too anxious/nervous</td>
<td>Nurse</td>
</tr>
<tr>
<td>NOBSC3</td>
<td>No blood obtained: Respondent felt faint/fainted</td>
<td>Nurse</td>
</tr>
<tr>
<td>NOBSC4</td>
<td>No blood obtained: Other</td>
<td>Nurse</td>
</tr>
<tr>
<td>GPSAM</td>
<td>Registered with GP</td>
<td>Nurse</td>
</tr>
<tr>
<td>SENDSAM</td>
<td>Permission to send results of blood sample to GP</td>
<td>Nurse</td>
</tr>
<tr>
<td>SENSAC1</td>
<td>Blood sample not to GP: Hardly/never sees GP</td>
<td>Nurse</td>
</tr>
<tr>
<td>SENSAC2</td>
<td>Blood sample not to GP: GP recently took blood sample</td>
<td>Nurse</td>
</tr>
<tr>
<td>SENSAC3</td>
<td>Blood sample not to GP: Does not want to bother GP</td>
<td>Nurse</td>
</tr>
<tr>
<td>SENSAC4</td>
<td>Blood sample not to GP: Other</td>
<td>Nurse</td>
</tr>
<tr>
<td>CONSTORB</td>
<td>Consent to store blood for future analysis</td>
<td>Nurse</td>
</tr>
<tr>
<td>SNDRSAM</td>
<td>Whether wants results of blood sample</td>
<td>Nurse</td>
</tr>
<tr>
<td>REFBC1</td>
<td>Refused blood sample: Previous difficulties with venepuncture</td>
<td>Nurse</td>
</tr>
<tr>
<td>REFBC2</td>
<td>Refused blood sample: Dislike/fear of needles</td>
<td>Nurse</td>
</tr>
<tr>
<td>REFBC3</td>
<td>Refused blood sample: Respondent recently had blood test/health check</td>
<td>Nurse</td>
</tr>
<tr>
<td>REFBC4</td>
<td>Refused blood sample: Refused because of current illness</td>
<td>Nurse</td>
</tr>
<tr>
<td>REFBC5</td>
<td>Refused blood sample: Worried about HIV or AIDS</td>
<td>Nurse</td>
</tr>
<tr>
<td>REFBC6</td>
<td>Refused blood sample: Other</td>
<td>Nurse</td>
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<tr>
<td>BLDTEST</td>
<td>(D) Blood retested after analyte complications (storage and amount remaining)</td>
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</tr>
<tr>
<td>BLDDELAY</td>
<td>Number of days from taking sample to lab receiving bld</td>
<td>Lab</td>
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</tbody>
</table>

### Measurements

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
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<tbody>
<tr>
<td>CHOLOK</td>
<td>(D) Response to Total Cholesterol sample</td>
<td>Derived</td>
</tr>
<tr>
<td>CHOLVAL</td>
<td>(D) Valid Total Cholesterol Result</td>
<td>Derived</td>
</tr>
<tr>
<td>CHOLVAL1</td>
<td>(D) Valid Cholesterol Result (incl those on lld)</td>
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</tr>
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<td>CHOLEST</td>
<td>Total cholesterol result (Blood data)</td>
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<tr>
<td>CHOLQUAL</td>
<td>Total cholesterol serum quality (Blood data)</td>
<td>Lab</td>
</tr>
<tr>
<td>HDLVAL</td>
<td>(D) Valid HDL Cholesterol Result</td>
<td>Derived</td>
</tr>
<tr>
<td>HDLVAL1</td>
<td>(D) Valid HDL Cholesterol Result (incl those on lld)</td>
<td>Derived</td>
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<td>HDLCHOL</td>
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</tr>
<tr>
<td>HDLQUAL</td>
<td>HDL Cholesterol serum quality (Blood data)</td>
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<td>GLYHBOK</td>
<td>(D) Response to Glycated HB sample</td>
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<td>GLYHBVAL</td>
<td>(D) Valid Glycated HB Result</td>
<td>Derived</td>
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<td>GLYHB</td>
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<tr>
<td>GLYHQL</td>
<td>Glycated haemoglobin serum quality (Blood data)</td>
<td>Lab</td>
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<tr>
<td>CRPOKB</td>
<td>(D) Response to C-reactive protein sample</td>
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</tr>
<tr>
<td>Variable</td>
<td>Description</td>
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</tr>
<tr>
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<td>-----------------------------------------------------</td>
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<td>CRPQUIN</td>
<td>(D) C-reactive protein quintile</td>
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<td>CREVAL</td>
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<td>CREQUAL</td>
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<td>Ferritin quality (Blood data)</td>
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<td>(D) Response to Haemoglobin sample</td>
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<td>HSEGFR</td>
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<td>FIBGEN</td>
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<tr>
<td>FIBQUAL</td>
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# Blood Pressure

## Admin

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
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<tbody>
<tr>
<td>BPCONST</td>
<td>Consent to give BP measurement</td>
<td>Nurse</td>
</tr>
<tr>
<td>CONSBX11</td>
<td>Eaten in last 30 mins</td>
<td>Nurse</td>
</tr>
<tr>
<td>CONSBX12</td>
<td>Smoked in last 30 mins</td>
<td>Nurse</td>
</tr>
<tr>
<td>CONSBX13</td>
<td>Drunk alcohol in last 30 mins</td>
<td>Nurse</td>
</tr>
<tr>
<td>CONSBX14</td>
<td>Exercised vigorously in last 30 mins</td>
<td>Nurse</td>
</tr>
<tr>
<td>CONSBX15</td>
<td>Nothing to effect BP in last 30 mins</td>
<td>Nurse</td>
</tr>
<tr>
<td>OMRONNO</td>
<td>Dinamap serial no</td>
<td>Nurse</td>
</tr>
<tr>
<td>CUFFSIZE</td>
<td>Cuff size used</td>
<td>Nurse</td>
</tr>
<tr>
<td>AIRTEMP</td>
<td>Air temperature</td>
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</tr>
<tr>
<td>FULL1</td>
<td>Reliability of 1st set of BP readings</td>
<td>Nurse</td>
</tr>
<tr>
<td>FULL2</td>
<td>Reliability of 2nd set of BP readings</td>
<td>Nurse</td>
</tr>
<tr>
<td>FULL3</td>
<td>Reliability of 3rd set of BP readings</td>
<td>Nurse</td>
</tr>
<tr>
<td>YNOBP</td>
<td>Reason no BP measurements taken</td>
<td>Nurse</td>
</tr>
<tr>
<td>RESPBPS</td>
<td>Response to BP measurements</td>
<td>Nurse</td>
</tr>
<tr>
<td>NATTBP00</td>
<td>BP not obtained: Problems with PC</td>
<td>Nurse</td>
</tr>
<tr>
<td>NATTBP01</td>
<td>BP not obtained: Respondent upset/anxious/nervous</td>
<td>Nurse</td>
</tr>
<tr>
<td>NATTBP02</td>
<td>BP not obtained: Error 844 reading</td>
<td>Nurse</td>
</tr>
<tr>
<td>NATTBP03</td>
<td>BP not obtained: Respondent too shy</td>
<td>Nurse</td>
</tr>
<tr>
<td>NATTBP04</td>
<td>BP not obtained: Child would not sit still</td>
<td>Nurse</td>
</tr>
<tr>
<td>NATTBP05</td>
<td>BP not obtained: Problems with cuff fitting/painful</td>
<td>Nurse</td>
</tr>
<tr>
<td>NATTBP06</td>
<td>BP not obtained: Problems with equipment</td>
<td>Nurse</td>
</tr>
<tr>
<td>NATTBP07</td>
<td>BP not obtained: Other reason</td>
<td>Nurse</td>
</tr>
<tr>
<td>DIFBPC01</td>
<td>BP problems: No problems taking blood pressure</td>
<td>Nurse</td>
</tr>
<tr>
<td>DIFBPC02</td>
<td>BP problems: Reading on left arm as right arm not suitable</td>
<td>Nurse</td>
</tr>
<tr>
<td>DIFBPC03</td>
<td>BP problems: Respondent was anxious/upset/nervous</td>
<td>Nurse</td>
</tr>
<tr>
<td>DIFBPC04</td>
<td>BP problems: Problem with cuff fitting/painful</td>
<td>Nurse</td>
</tr>
<tr>
<td>DIFBPC05</td>
<td>BP problems: Omron problem (not error reading)</td>
<td>Nurse</td>
</tr>
<tr>
<td>DIFBPC06</td>
<td>BP problems: Omron error reading</td>
<td>Nurse</td>
</tr>
<tr>
<td>DIFBPC95</td>
<td>BP problems: Other problem</td>
<td>Nurse</td>
</tr>
<tr>
<td>GPREGB</td>
<td>Whether registered with a GP</td>
<td>Nurse</td>
</tr>
<tr>
<td>GPSEND</td>
<td>Consent to send BP readings to GP</td>
<td>Nurse</td>
</tr>
<tr>
<td>GPREFC1</td>
<td>BP not to GP: Hardly/never sees GP</td>
<td>Nurse</td>
</tr>
<tr>
<td>GPREFC2</td>
<td>BP not to GP: GP knows respondents BP</td>
<td>Nurse</td>
</tr>
<tr>
<td>GPREFC3</td>
<td>BP not to GP: Does not want to bother GP</td>
<td>Nurse</td>
</tr>
<tr>
<td>GPREFC4</td>
<td>BP not to GP: Other reason</td>
<td>Nurse</td>
</tr>
<tr>
<td>BPRESPC</td>
<td>(D) Whether BP readings are valid</td>
<td>Derived</td>
</tr>
</tbody>
</table>

## Measurements

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYS1OM</td>
<td>1st Systolic reading(mmHg)</td>
<td>Nurse</td>
</tr>
<tr>
<td>DIAS1OM</td>
<td>1st Diastolic reading(mmHg)</td>
<td>Nurse</td>
</tr>
<tr>
<td>PULS1OM</td>
<td>1st pulse reading(bpm)</td>
<td>Nurse</td>
</tr>
<tr>
<td>MAP1OM</td>
<td>1st MAP reading(mmHg)</td>
<td>Nurse</td>
</tr>
<tr>
<td>SYS2OM</td>
<td>2nd Systolic reading(mmHg)</td>
<td>Nurse</td>
</tr>
<tr>
<td>DIAS2OM</td>
<td>2nd Diastolic reading(mmHg)</td>
<td>Nurse</td>
</tr>
<tr>
<td>PULS2OM</td>
<td>2nd pulse reading(bpm)</td>
<td>Nurse</td>
</tr>
<tr>
<td>MAP2OM</td>
<td>2nd MAP reading(mmHg)</td>
<td>Nurse</td>
</tr>
<tr>
<td>SYS3OM</td>
<td>3rd Systolic reading(mmHg)</td>
<td>Nurse</td>
</tr>
<tr>
<td>DIAS3OM</td>
<td>3rd Diastolic reading(mmHg)</td>
<td>Nurse</td>
</tr>
<tr>
<td>PULS3OM</td>
<td>3rd pulse reading(bpm)</td>
<td>Nurse</td>
</tr>
<tr>
<td>MAP3OM</td>
<td>3rd MAP reading(mmHg)</td>
<td>Nurse</td>
</tr>
<tr>
<td>OMDIAST</td>
<td>(D) Omron Diastolic BP (mean 2nd/3rd) inc. invalid</td>
<td>Derived</td>
</tr>
<tr>
<td>OMSTY</td>
<td>(D) Omron Systolic BP (mean 2nd/3rd) inc. invalid</td>
<td>Derived</td>
</tr>
<tr>
<td>OMMAP</td>
<td>(D) Omron Mean arterial pressure (mean 2nd/3rd) inc. invalid</td>
<td>Derived</td>
</tr>
<tr>
<td>OMPULS</td>
<td>(D) Omron Pulse pressure, systolic-diastolic inc. invalid</td>
<td>Derived</td>
</tr>
<tr>
<td>Variable</td>
<td>Description</td>
<td>Source</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>OMDIAVAL</td>
<td>Omron Valid Mean Diastolic BP</td>
<td>Derived</td>
</tr>
<tr>
<td>OMSYSVAL</td>
<td>Omron Valid Mean Systolic BP</td>
<td>Derived</td>
</tr>
<tr>
<td>OMMAVPVAL</td>
<td>Omron Valid Mean Arterial Pressure</td>
<td>Derived</td>
</tr>
<tr>
<td>OMPULVAL</td>
<td>Omron Valid Pulse Pressure</td>
<td>Derived</td>
</tr>
<tr>
<td>DINADIAS</td>
<td>Dinamap Diastolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)</td>
<td>Derived</td>
</tr>
<tr>
<td>DINASYST</td>
<td>Dinamap Systolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)</td>
<td>Derived</td>
</tr>
<tr>
<td>OMMAPVAL</td>
<td>Omron Valid Mean Arterial Pressure</td>
<td>Derived</td>
</tr>
<tr>
<td>OMPULVAL</td>
<td>Omron Valid Pulse Pressure</td>
<td>Derived</td>
</tr>
<tr>
<td>DINAMAP</td>
<td>Dinamap Mean arterial pressure (mean 2nd/3rd) inc. invalid (converted from Omron)</td>
<td>Derived</td>
</tr>
<tr>
<td>DINAVAL</td>
<td>Dinamap Valid Mean Diastolic BP</td>
<td>Derived</td>
</tr>
<tr>
<td>DISYSVAL</td>
<td>Dinamap Valid Mean Systolic BP</td>
<td>Derived</td>
</tr>
<tr>
<td>DIMAPVAL</td>
<td>Dinamap Valid Mean Arterial Pressure</td>
<td>Derived</td>
</tr>
<tr>
<td>DIPULVAL</td>
<td>Dinamap Valid Pulse Pressure</td>
<td>Derived</td>
</tr>
<tr>
<td>HYPER2OM</td>
<td>Hypertensive categories: all taking BP drugs (Omron readings)</td>
<td>Derived</td>
</tr>
<tr>
<td>HIBP2OM</td>
<td>Whether hypertensive: all taking BP drugs (Omron readings)</td>
<td>Derived</td>
</tr>
<tr>
<td>HYPER2DI</td>
<td>Hypertensive categories: all taking BP drugs (Dinamap readings)</td>
<td>Derived</td>
</tr>
<tr>
<td>HIBP2DI</td>
<td>Whether hypertensive: all taking BP drugs (Dinamap readings)</td>
<td>Derived</td>
</tr>
<tr>
<td>HY140OM</td>
<td>Hypertensive categories:140/90: all prescribed drugs for BP (Omron readings)</td>
<td>Derived</td>
</tr>
<tr>
<td>HBP140OM</td>
<td>Whether hypertensive:140/90: all prescribed drugs for BP (Omron readings)</td>
<td>Derived</td>
</tr>
<tr>
<td>HY140DI</td>
<td>Hypertensive categories:140/90: all prescribed drugs for BP (Dinamap readings)</td>
<td>Derived</td>
</tr>
<tr>
<td>HBP140DI</td>
<td>Whether hypertensive:140/90: all prescribed drugs for BP (Dinamap readings)</td>
<td>Derived</td>
</tr>
<tr>
<td>HYPER1OM</td>
<td>Hypertensive categories: all prescribed drugs for BP (Omron readings)</td>
<td>Derived</td>
</tr>
<tr>
<td>HBP1OM</td>
<td>Whether hypertensive: all prescribed drugs for BP (Omron readings)</td>
<td>Derived</td>
</tr>
<tr>
<td>HIBP1DI</td>
<td>Whether hypertensive: all prescribed drugs for BP (Dinamap readings)</td>
<td>Derived</td>
</tr>
<tr>
<td>BPI</td>
<td>Doctor diagnosed high blood pressure (excluding pregnant)</td>
<td>Derived</td>
</tr>
</tbody>
</table>

HSE 2009 List of Variables: Blood pressure
## Drinking

### Adult General

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHYTT</td>
<td>Reason why stopped drinking</td>
<td>Indiv</td>
</tr>
<tr>
<td>DDRINKAG</td>
<td>Age first alcoholic drink</td>
<td>SC YP</td>
</tr>
<tr>
<td>DNNOW</td>
<td>Whether drink nowadays</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>DNANY</td>
<td>Whether drinks occasionally or never drinks</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>DNEVR</td>
<td>Whether always non-drinker</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>DNOFT</td>
<td>Frequency drank any alcoholic drink last 12 mths</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>DNOFT3</td>
<td>(D) Frequency drink alcohol in past 12 months: including non-drinkers</td>
<td>Derived</td>
</tr>
</tbody>
</table>

### Adult 7 Days

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNRSAME</td>
<td>Whether drank more on a particular in last 7 days</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHICHDAY</td>
<td>Which day drank most in last 7 days</td>
<td>Indiv</td>
</tr>
<tr>
<td>DRAMOUNT</td>
<td>Drink now compared to 5 years ago</td>
<td>Indiv</td>
</tr>
<tr>
<td>D7DAY</td>
<td>Whether had drink in last 7 days</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>D7MANY</td>
<td>How many days in last 7 had a drink</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>NBRDL71</td>
<td>Heaviest day normal beer: Half pints</td>
<td>Indiv</td>
</tr>
<tr>
<td>NBRDL72</td>
<td>Heaviest day normal beer: Small cans</td>
<td>Indiv</td>
</tr>
<tr>
<td>NBRDL73</td>
<td>Heaviest day normal beer: Large cans</td>
<td>Indiv</td>
</tr>
<tr>
<td>NBRDL74</td>
<td>Heaviest day normal beer: Bottles</td>
<td>Indiv</td>
</tr>
<tr>
<td>NBRQHP7</td>
<td>Amount normal beer (half pints) on heaviest day</td>
<td>Indiv</td>
</tr>
<tr>
<td>NBRQSM7</td>
<td>Amount normal beer (small cans/bottles) on heaviest day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>NBRQLG7</td>
<td>Amount normal beer (large cans/bottles) on heaviest day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>NBRQPT7</td>
<td>Amount normal beer (pints) on heaviest day</td>
<td>SC YP</td>
</tr>
<tr>
<td>NBERQBT7</td>
<td>Amount normal beer (bottles) on heaviest day</td>
<td>Indiv</td>
</tr>
<tr>
<td>L7CODEQ</td>
<td>Normal beer bottle size (pints) - heaviest day</td>
<td>Indiv</td>
</tr>
<tr>
<td>SBRL71</td>
<td>Heaviest day strong beer: Half pints</td>
<td>Indiv</td>
</tr>
<tr>
<td>SBRL72</td>
<td>Heaviest day strong beer: Small cans</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>SBRL73</td>
<td>Heaviest day strong beer: Large cans</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>SBRL74</td>
<td>Heaviest day strong beer: Bottles</td>
<td>Indiv</td>
</tr>
<tr>
<td>SBERQHP7</td>
<td>Amount strong beer (half pints) on heaviest day</td>
<td>Indiv</td>
</tr>
<tr>
<td>SBERQSM7</td>
<td>Amount strong beer (small cans/bottles) on heaviest day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>SBERQLG7</td>
<td>Amount strong beer (large cans/bottles) on heaviest day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>SBERQPT7</td>
<td>Amount strong beer (pints) on heaviest day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>SBERQBT7</td>
<td>Amount strong beer (bottles) on heaviest day</td>
<td>Indiv</td>
</tr>
<tr>
<td>LS CODEQ</td>
<td>Strong beer bottle size (pints) - heaviest day</td>
<td>Indiv</td>
</tr>
<tr>
<td>D7TYP1</td>
<td>Heaviest day: Normal Beer</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>D7TYP2</td>
<td>Heaviest day: Strong Beer</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>D7TYP3</td>
<td>Heaviest day: Spirits</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>D7TYP4</td>
<td>Heaviest day: Sherry</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>D7TYP5</td>
<td>Heaviest day: Wine</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>D7TYP6</td>
<td>Heaviest day: Alcopops</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>SPIRQME7</td>
<td>Amount spirits (measures) on heaviest day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>SHERQC9</td>
<td>Amount sherry (glasses) on heaviest day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>WGLS250ML</td>
<td>Amount wine (250ml glasses) on heaviest day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>WGLS175ML</td>
<td>Amount wine (175ml glasses) on heaviest day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>WGLS125ML</td>
<td>Amount wine (125ml glasses) on heaviest day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>WFTLCZ</td>
<td>Amount wine (125ml glasses from a bottle) on heaviest day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>POFSQSM7</td>
<td>Amount alcopops (small cans/bottles) on heaviest day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>D7MANY3</td>
<td>(D) Number of days drank in last week, including none</td>
<td>Derived</td>
</tr>
<tr>
<td>D7UNITWG</td>
<td>(D) NEW Units drunk on heaviest day in last 7 (16+yrs, ONS wineglass)</td>
<td>Derived</td>
</tr>
<tr>
<td>D7UNITWGRP</td>
<td>(D) NEW units drunk on heaviest day in last 7 (16+yrs, ONS wineglass grouped)</td>
<td>Derived</td>
</tr>
<tr>
<td>WDRINK07B</td>
<td>(D) NEW Women number of units</td>
<td>Derived</td>
</tr>
<tr>
<td>MDREK07B</td>
<td>(D) Men number of units</td>
<td>Derived</td>
</tr>
<tr>
<td>ALCLIMIT07B</td>
<td>(D) Alcohol units - limits based on (variable d7unitwgrp ) units per day</td>
<td>Derived</td>
</tr>
</tbody>
</table>

HSE 2009 List of Variables: Drinking 19
### Children 8-15

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADRPROP</td>
<td>Ever had proper alcoholic drink</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ADRPOPS</td>
<td>Ever had alcopops</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ADRINKAG</td>
<td>Age first alcoholic drink</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ADRINKOF</td>
<td>How often alcoholic drink</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ADLAST</td>
<td>When last had alcoholic drink</td>
<td>SC 8-15</td>
</tr>
</tbody>
</table>

### Children 13-15

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABER2W</td>
<td>Have drunk beer</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>ABER2QPT</td>
<td>Pints beer drunk in last 7 days</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>ABER2QLG</td>
<td>Large cans, bottles of beer drunk in last 7 days</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>ABER2QSM</td>
<td>Small cans, bottles of beer drunk in last 7 days</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>ASPIRW</td>
<td>Have you drunk spirits or liqueurs</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>ASPIRQGS</td>
<td>Glasses of spirits and liqueurs drunk in last 7 days</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>ASHERW</td>
<td>Have you drunk sherry</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>ASHERQGS</td>
<td>Glasses of sherry or martini in last 7 days</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>AWINEW</td>
<td>Have you drunk wine</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>AWINEQGS</td>
<td>How many glasses of wine in last 7 days</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>APOPSW</td>
<td>Alcoholic 'pops' drinks</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>APOPSQLG</td>
<td>Large cans or bottles of alcoholic pops drinks in last 7 days</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>APOPSQSM</td>
<td>Small cans or bottles of alcoholic pops drinks in last 7 days</td>
<td>SC 13-15</td>
</tr>
<tr>
<td>ADRKWQ08G</td>
<td>(D) Total units of alcohol in last 7 days (13-15yrs) grouped</td>
<td>Derived</td>
</tr>
<tr>
<td>ABER2WC</td>
<td>(D) Drunk beer in last 7 days - inc. non-drinkers</td>
<td>Derived</td>
</tr>
<tr>
<td>ASPIRWC</td>
<td>(D) Drunk spirits in last 7 days - inc. non-drinkers</td>
<td>Derived</td>
</tr>
<tr>
<td>ASHERWC</td>
<td>(D) Drunk sherry in last 7 days - inc. non-drinkers</td>
<td>Derived</td>
</tr>
<tr>
<td>AWINEWC</td>
<td>(D) Drunk wine in last 7 days - inc. non-drinkers</td>
<td>Derived</td>
</tr>
<tr>
<td>APOPSWC</td>
<td>(D) Drunk alcopops in last 7 days - inc. non-drinkers</td>
<td>Derived</td>
</tr>
</tbody>
</table>
# Fruit and Vegetable Consumption

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEGSAL</td>
<td>Whether ate salad yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>VEGSALQ</td>
<td>Number of bowls of salad eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>VEGPUL</td>
<td>Were pulses eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>VEGPULQ</td>
<td>Number of tablespoons of pulses eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>VEGVEG</td>
<td>Were any vegetables eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>VEGVEGQ</td>
<td>Number of tablespoons of vegetables eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>VEGDISH</td>
<td>Any dishes made from mainly vegetables eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>VEGDISHQ</td>
<td>Number of tablespoons of vegetable dishes eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>VEGUSUAL</td>
<td>Ate more than usual amounts of vegetables, salad and pulses today</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTDRNK</td>
<td>Drank any fruit juice yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTDRNKQ</td>
<td>Number of small glasses of fruit juice drank yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRT</td>
<td>Was any fruit eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTC01</td>
<td>Type of fruit</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTC02</td>
<td>Type of fruit</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTC03</td>
<td>Type of fruit</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTC04</td>
<td>Type of fruit</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTC05</td>
<td>Type of fruit</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTC06</td>
<td>Type of fruit</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTC07</td>
<td>Type of fruit</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTC08</td>
<td>Type of fruit</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTC09</td>
<td>Type of fruit</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTC10</td>
<td>Type of fruit</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTC11</td>
<td>Type of fruit</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTQ01</td>
<td>How much of this fruit was eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTQ02</td>
<td>How much of this fruit was eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTQ03</td>
<td>How much of this fruit was eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTQ04</td>
<td>How much of this fruit was eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTQ05</td>
<td>How much of this fruit was eaten yesterday</td>
<td>Indiv</td>
</tr>
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<td>FRTQ06</td>
<td>How much of this fruit was eaten yesterday</td>
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<td>FRTQ07</td>
<td>How much of this fruit was eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTQ08</td>
<td>How much of this fruit was eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTQ09</td>
<td>How much of this fruit was eaten yesterday</td>
<td>Indiv</td>
</tr>
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<td>FRTQ10</td>
<td>How much of this fruit was eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTQ11</td>
<td>How much of this fruit was eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTMOR01</td>
<td>Was any other fresh fruit eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTMOR02</td>
<td>Was any other fresh fruit eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTMOR03</td>
<td>Was any other fresh fruit eaten yesterday</td>
<td>Indiv</td>
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<td>FRTMOR04</td>
<td>Was any other fresh fruit eaten yesterday</td>
<td>Indiv</td>
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<td>FRTMOR05</td>
<td>Was any other fresh fruit eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTMOR06</td>
<td>Was any other fresh fruit eaten yesterday</td>
<td>Indiv</td>
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<td>FRTMOR07</td>
<td>Was any other fresh fruit eaten yesterday</td>
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<td>Was any other fresh fruit eaten yesterday</td>
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<td>Was any other fresh fruit eaten yesterday</td>
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<td>FRTMOR10</td>
<td>Was any other fresh fruit eaten yesterday</td>
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<tr>
<td>FRTMOR11</td>
<td>Was any other fresh fruit eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTDRY</td>
<td>Was any dried fruit eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTDRYQ</td>
<td>Number of tablespoons of dried fruit eaten today</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTFROZ</td>
<td>Was any frozen or tinned fruit eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTFROZQ</td>
<td>Number of tablespoons of frozen or tinned fruit eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTDISH</td>
<td>Any other dishes made mostly from fruit</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTDISHQ</td>
<td>Number of tablespoons of fruit dishes eaten yesterday</td>
<td>Indiv</td>
</tr>
<tr>
<td>FRTUSUAL</td>
<td>Ate/drank more than usual amounts of fruit and fruit juice today</td>
<td>Indiv</td>
</tr>
<tr>
<td>PORPUL</td>
<td>(D) Portion of pulses</td>
<td>Derived</td>
</tr>
<tr>
<td>PORSAL</td>
<td>(D) Portion of salad</td>
<td>Derived</td>
</tr>
<tr>
<td>PORVEG</td>
<td>(D) Portion of vegetables</td>
<td>Derived</td>
</tr>
<tr>
<td>PORVDISH</td>
<td>(D) Portion of vegetables in composites</td>
<td>Derived</td>
</tr>
<tr>
<td>PORJUICE</td>
<td>(D) Portion of fruit juice</td>
<td>Derived</td>
</tr>
<tr>
<td>PORFRT</td>
<td>(D) Portion of all sized fruit</td>
<td>Derived</td>
</tr>
<tr>
<td>Variable</td>
<td>Description</td>
<td>Type</td>
</tr>
<tr>
<td>-----------</td>
<td>--------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>PORDRY</td>
<td>Portion of dried fruit</td>
<td>Derived</td>
</tr>
<tr>
<td>PORFROZ</td>
<td>Portion of frozen fruit/canned fruit</td>
<td>Derived</td>
</tr>
<tr>
<td>PORFDISH</td>
<td>Portion of fruit in composites</td>
<td>Derived</td>
</tr>
<tr>
<td>VEGPOR</td>
<td>Total portion of vegetables (inc. salad)</td>
<td>Derived</td>
</tr>
<tr>
<td>FRTPOR</td>
<td>Total portion of fruit</td>
<td>Derived</td>
</tr>
<tr>
<td>PORFV</td>
<td>Total portion of fruit and veg</td>
<td>Derived</td>
</tr>
<tr>
<td>PORFTVG</td>
<td>Grouped portions of fruit (inc. orange juice) &amp; veg yesterday</td>
<td>Derived</td>
</tr>
</tbody>
</table>
# General Health

## General Health

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
<td>ACUTILL</td>
<td>(D) Acute sickness last two weeks</td>
<td>Derived</td>
</tr>
<tr>
<td>LASTFORT</td>
<td>Cut activities due to health (last 2 weeks)</td>
<td>Indiv</td>
</tr>
<tr>
<td>DAYSCUT</td>
<td>No. of days cut down on activities</td>
<td>Indiv</td>
</tr>
<tr>
<td>PREGNTJ</td>
<td>Whether currently pregnant 16+</td>
<td>Indiv</td>
</tr>
<tr>
<td>UPREG</td>
<td>Whether currently pregnant 10-15</td>
<td>Indiv</td>
</tr>
</tbody>
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## Diabetes

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVERDI</td>
<td>Do you now have, or have you ever had diabetes?</td>
<td>Indiv</td>
</tr>
<tr>
<td>DIABETES</td>
<td>Were you told by a doctor that you had diabetes?</td>
<td>Indiv</td>
</tr>
<tr>
<td>DIPREG</td>
<td>Can I just check, were you pregnant when you were told that you had diabetes?</td>
<td>Indiv</td>
</tr>
<tr>
<td>DIOTH</td>
<td>Have you ever had diabetes apart from when you were pregnant?</td>
<td>Indiv</td>
</tr>
<tr>
<td>DIAGE</td>
<td>Apart how old were you when you were first told by a doctor that you had diabetes?</td>
<td>Indiv</td>
</tr>
<tr>
<td>INSULIN</td>
<td>Do you currently inject insulin for diabetes?</td>
<td>Indiv</td>
</tr>
<tr>
<td>DIMED</td>
<td>Are you currently taking any medicines, tablets or pills for diabetes?</td>
<td>Indiv</td>
</tr>
<tr>
<td>OTHERDI1</td>
<td>Other treatment: Special diet</td>
<td>Indiv</td>
</tr>
<tr>
<td>OTHERDI2</td>
<td>Other treatment: Eye screening / regular eye tests</td>
<td>Indiv</td>
</tr>
<tr>
<td>OTHERDI3</td>
<td>Other treatment: Regular check-up with GP/hospital/clinic</td>
<td>Indiv</td>
</tr>
<tr>
<td>OTHERDI4</td>
<td>Other treatment: Other</td>
<td>Indiv</td>
</tr>
<tr>
<td>CHECKUP1</td>
<td>Where are checkups: GP surgery</td>
<td>Indiv</td>
</tr>
<tr>
<td>CHECKUP2</td>
<td>Where are checkups: Hospital</td>
<td>Indiv</td>
</tr>
<tr>
<td>CHECKUP3</td>
<td>Where are checkups: Clinic</td>
<td>Indiv</td>
</tr>
<tr>
<td>CHECKUP4</td>
<td>Where are checkups: Other</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHYNOET</td>
<td>You did not mention regular eye tests for your diabetes. Is there any test?</td>
<td>Indiv</td>
</tr>
<tr>
<td>DIABETE2</td>
<td>Doctor diagnosed diabetes (excluding pregnant)</td>
<td>Derived</td>
</tr>
<tr>
<td>DIABTYPE</td>
<td>(D) Type of diabetes</td>
<td>Derived</td>
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</table>

## Folic Acid (women only)

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
<td>FOLIC</td>
<td>At present, are you taking any folic acid supplements such as Solgar</td>
<td>Indiv</td>
</tr>
<tr>
<td>FOLPREG</td>
<td>Did you start taking folic acid supplements before becoming pregnant?</td>
<td>Indiv</td>
</tr>
<tr>
<td>FOLPREG1</td>
<td>Have you been taking folic acid supplements for the first 12 weeks of</td>
<td>Indiv</td>
</tr>
<tr>
<td>FOLPREGH</td>
<td>People can take folic acid for various health reasons. Are you taking</td>
<td>Indiv</td>
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</table>

## Longstanding Illness

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
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<tr>
<td>LONGILL</td>
<td>Whether has longstanding illness</td>
<td>Indiv</td>
</tr>
<tr>
<td>ILLSM1</td>
<td>Type of illness - 1st</td>
<td>Indiv</td>
</tr>
<tr>
<td>ILLSM2</td>
<td>Type of illness - 2nd</td>
<td>Indiv</td>
</tr>
<tr>
<td>ILLSM3</td>
<td>Type of illness - 3rd</td>
<td>Indiv</td>
</tr>
<tr>
<td>ILLSM4</td>
<td>Type of illness - 4th</td>
<td>Indiv</td>
</tr>
<tr>
<td>ILLSM5</td>
<td>Type of illness - 5th</td>
<td>Indiv</td>
</tr>
<tr>
<td>ILLSM6</td>
<td>Type of illness - 6th</td>
<td>Indiv</td>
</tr>
<tr>
<td>LIMITACT</td>
<td>Activities limited due to illness</td>
<td>Indiv</td>
</tr>
<tr>
<td>LIMITILL</td>
<td>(D) Limiting longstanding illness</td>
<td>Derived</td>
</tr>
<tr>
<td>COMPM1</td>
<td>(D) Ill Neoplasms &amp; benign growths</td>
<td>Derived</td>
</tr>
<tr>
<td>COMPM2</td>
<td>(D) III Endocrine &amp; metabolic</td>
<td>Derived</td>
</tr>
<tr>
<td>COMPM3</td>
<td>(D) V Mental disorders</td>
<td>Derived</td>
</tr>
<tr>
<td>COMPM4</td>
<td>(D) VI Nervous system</td>
<td>Derived</td>
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</table>
### Prescribed Medicines: Drugs affecting blood analytes

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
<td>DIUR</td>
<td>(D) Diuretics (Blood pressure)</td>
<td>Derived</td>
</tr>
<tr>
<td>BETA</td>
<td>(D) Beta blockers (Blood pressure/Fibrinogen)</td>
<td>Derived</td>
</tr>
<tr>
<td>ACEINH</td>
<td>(D) Ace inhibitors (Blood pressure)</td>
<td>Derived</td>
</tr>
<tr>
<td>CALCUMB</td>
<td>(D) Calcium blockers (Blood pressure)</td>
<td>Derived</td>
</tr>
<tr>
<td>OBPDUG</td>
<td>(D) Other drugs affecting BP</td>
<td>Derived</td>
</tr>
<tr>
<td>LIPID</td>
<td>(D) Lipid lowering (Cholesterol/Fibrinogen)</td>
<td>Derived</td>
</tr>
<tr>
<td>IRON</td>
<td>(D) Iron deficiency (Haemoglobin/Ferritin)</td>
<td>Derived</td>
</tr>
<tr>
<td>BPMEDC</td>
<td>(D) Whether taking drugs affecting blood pressure</td>
<td>Derived</td>
</tr>
<tr>
<td>BPMEDD</td>
<td>(D) Whether taking drugs prescribed for blood pressure</td>
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### Prescribed Medicines: General

<table>
<thead>
<tr>
<th>Variable</th>
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<tbody>
<tr>
<td>MEDBIA1</td>
<td>Whether medicine used in last 7 days</td>
<td>Nurse</td>
</tr>
<tr>
<td>MEDBIA2</td>
<td>Whether medicine used in last 7 days</td>
<td>Nurse</td>
</tr>
<tr>
<td>MEDBIA3</td>
<td>Whether medicine used in last 7 days</td>
<td>Nurse</td>
</tr>
<tr>
<td>MEDBIA4</td>
<td>Whether medicine used in last 7 days</td>
<td>Nurse</td>
</tr>
<tr>
<td>MEDBIA5</td>
<td>Whether medicine used in last 7 days</td>
<td>Nurse</td>
</tr>
<tr>
<td>MEDBIA6</td>
<td>Whether medicine used in last 7 days</td>
<td>Nurse</td>
</tr>
<tr>
<td>MEDBIA7</td>
<td>Whether medicine used in last 7 days</td>
<td>Nurse</td>
</tr>
<tr>
<td>MEDBIA8</td>
<td>Whether medicine used in last 7 days</td>
<td>Nurse</td>
</tr>
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<td>MEDBIA9</td>
<td>Whether medicine used in last 7 days</td>
<td>Nurse</td>
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<td>MEDBIA10</td>
<td>Whether medicine used in last 7 days</td>
<td>Nurse</td>
</tr>
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<td>MEDBIA11</td>
<td>Whether medicine used in last 7 days</td>
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</tr>
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<td>MEDBIA12</td>
<td>Whether medicine used in last 7 days</td>
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<td>Whether medicine used in last 7 days</td>
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<td>MEDBIA14</td>
<td>Whether medicine used in last 7 days</td>
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<td>Whether medicine used in last 7 days</td>
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<td>Whether medicine used in last 7 days</td>
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<td>Whether medicine used in last 7 days</td>
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<td>MEDBIA21</td>
<td>Whether medicine used in last 7 days</td>
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</tr>
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<td>MEDBIA22</td>
<td>Whether medicine used in last 7 days</td>
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</tr>
<tr>
<td>MEDBIA01</td>
<td>Names of medicines prescribed by doctor</td>
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</tr>
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<td>MEDBIA02</td>
<td>Names of medicines prescribed by doctor</td>
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<td>Names of medicines prescribed by doctor</td>
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<td>Names of medicines prescribed by doctor</td>
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<td>Names of medicines prescribed by doctor</td>
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<tr>
<td>Variable</td>
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<tr>
<td>MEDBI08</td>
<td>Names of medicines prescribed by doctor</td>
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</tr>
<tr>
<td>MEDBI09</td>
<td>Names of medicines prescribed by doctor</td>
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</tr>
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<td>MEDBI13</td>
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<td>Names of medicines prescribed by doctor</td>
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<td>Names of medicines prescribed by doctor</td>
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<td>MEDBI17</td>
<td>Names of medicines prescribed by doctor</td>
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<td>Names of medicines prescribed by doctor</td>
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<td>MEDBI19</td>
<td>Names of medicines prescribed by doctor</td>
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<td>MEDBI20</td>
<td>Names of medicines prescribed by doctor</td>
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<td>MEDBI21</td>
<td>Names of medicines prescribed by doctor</td>
<td>Nurse</td>
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<tr>
<td>MEDBI22</td>
<td>Names of medicines prescribed by doctor</td>
<td>Nurse</td>
</tr>
<tr>
<td>MEDCNJD</td>
<td>Whether taking medication - excluding contraceptives only</td>
<td>Nurse</td>
</tr>
<tr>
<td>STATINS</td>
<td>Are you taking statins (drugs to lower cholesterol) bought over the counter?</td>
<td>Nurse</td>
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<tr>
<td>STATINA</td>
<td>Have you taken/used statins in the last 7 days?</td>
<td>Nurse</td>
</tr>
<tr>
<td>MEDCNJ1</td>
<td>(D) Whether taking medication - excluding contraceptives only</td>
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<tr>
<td>MEDTP1</td>
<td>(D) Cardio-vascular medicine taken?</td>
<td>Derived</td>
</tr>
<tr>
<td>MEDTP2</td>
<td>(D) Gastrointestinal medicine taken?</td>
<td>Derived</td>
</tr>
<tr>
<td>MEDTP3</td>
<td>(D) Respiratory medicine taken?</td>
<td>Derived</td>
</tr>
<tr>
<td>MEDTP4</td>
<td>(D) CNS medicine taken?</td>
<td>Derived</td>
</tr>
<tr>
<td>MEDTP5</td>
<td>(D) Medicine for infection taken?</td>
<td>Derived</td>
</tr>
<tr>
<td>MEDTP6</td>
<td>(D) Endocrine medicine taken?</td>
<td>Derived</td>
</tr>
<tr>
<td>MEDTP7</td>
<td>(D) Gynae/Urinary medicine taken?</td>
<td>Derived</td>
</tr>
<tr>
<td>MEDTP8</td>
<td>(D) Cytoxic medicine taken?</td>
<td>Derived</td>
</tr>
<tr>
<td>MEDTP9</td>
<td>(D) Medicine for nutrition/blood taken?</td>
<td>Derived</td>
</tr>
<tr>
<td>MEDTP10</td>
<td>(D) Musculoskeletal medicine taken?</td>
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</tr>
<tr>
<td>MEDTP11</td>
<td>(D) Eye/Ear etc medicine taken?</td>
<td>Derived</td>
</tr>
<tr>
<td>MEDTP12</td>
<td>(D) Medicine for skin taken?</td>
<td>Derived</td>
</tr>
<tr>
<td>MEDTP13</td>
<td>(D) Other medicine taken?</td>
<td>Derived</td>
</tr>
<tr>
<td>NUMED2</td>
<td>(D) Number of prescribed medicines taken</td>
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<tr>
<td>NUMED</td>
<td>(D) Number of prescribed medicines taken (grouped 4+)</td>
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</table>

Prescribed Medicines: Reasons for taking medication

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
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<tbody>
<tr>
<td>YTAKE011</td>
<td>Heart problem</td>
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<tr>
<td>YTAKE021</td>
<td>Heart problem</td>
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<td>YTAKE031</td>
<td>Heart problem</td>
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<td>Heart problem</td>
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<td>YTAKE061</td>
<td>Heart problem</td>
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<td>YTAKE071</td>
<td>Heart problem</td>
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<tr>
<td>YTAKE081</td>
<td>Heart problem</td>
<td>Indiv</td>
</tr>
<tr>
<td>YTAKE091</td>
<td>Heart problem</td>
<td>Indiv</td>
</tr>
<tr>
<td>YTAKE101</td>
<td>Heart problem</td>
<td>Indiv</td>
</tr>
<tr>
<td>YTAKE111</td>
<td>Heart problem</td>
<td>Indiv</td>
</tr>
<tr>
<td>YTAKE121</td>
<td>Heart problem</td>
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</tr>
<tr>
<td>YTAKE131</td>
<td>Heart problem</td>
<td>Indiv</td>
</tr>
<tr>
<td>YTAKE141</td>
<td>Heart problem</td>
<td>Indiv</td>
</tr>
<tr>
<td>YTAKE151</td>
<td>Heart problem</td>
<td>Indiv</td>
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<tr>
<td>YTAKE161</td>
<td>Heart problem</td>
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<tr>
<td>YTAKE171</td>
<td>Heart problem</td>
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<tr>
<td>YTAKE181</td>
<td>Heart problem</td>
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<tr>
<td>YTAKE191</td>
<td>Heart problem</td>
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<tr>
<td>YTAKE201</td>
<td>Heart problem</td>
<td>Indiv</td>
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<tr>
<td>YTAKE211</td>
<td>Heart problem</td>
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<tr>
<td>YTAKE221</td>
<td>Heart problem</td>
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<tr>
<td>YTAKE012</td>
<td>High blood pressure</td>
<td>Indiv</td>
</tr>
<tr>
<td>YTAKE022</td>
<td>High blood pressure</td>
<td>Indiv</td>
</tr>
<tr>
<td>YTAKE032</td>
<td>High blood pressure</td>
<td>Indiv</td>
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</table>
### Self-Assessed Health

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENHELF</td>
<td>Self-assessed general health</td>
<td>Indiv</td>
</tr>
<tr>
<td>GENHELF2</td>
<td>(D) Self-assessed general health - grouped</td>
<td>Derived</td>
</tr>
</tbody>
</table>

### Personal Care Plans

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONVDOC</td>
<td>Had conversation with doctor/nurse etc about your long term condition?</td>
<td>Indiv</td>
</tr>
<tr>
<td>LASTYR</td>
<td>Was this in the last 12 months or longer ago?</td>
<td>Indiv</td>
</tr>
<tr>
<td>PLANAG</td>
<td>In last 12 months have you and a health professional agreed a PCP?</td>
<td>Indiv</td>
</tr>
<tr>
<td>OFFPLAN</td>
<td>Have you talked about a Personal Care Plan with a health care profess</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHYNOPL</td>
<td>Why have you not agreed a Personal Care Plan after discussing it? Is</td>
<td>Indiv</td>
</tr>
<tr>
<td>LIKEPLAN</td>
<td>Would you like to discuss a PCP with health professional?</td>
<td>Indiv</td>
</tr>
<tr>
<td>CAREIMPR</td>
<td>Has your PCP improved the health and social care services you receive?</td>
<td>Indiv</td>
</tr>
<tr>
<td>OPTOFF01</td>
<td>In last 12mths have you discussed or been offered: help to find information on condition</td>
<td>Indiv</td>
</tr>
<tr>
<td>OPTOFF02</td>
<td>In last 12mths have you discussed or been offered: help to find choices on care</td>
<td>Indiv</td>
</tr>
<tr>
<td>OPTOFF03</td>
<td>In last 12mths have you discussed or been offered: attending training courses on</td>
<td>Indiv</td>
</tr>
<tr>
<td>Variable</td>
<td>Description</td>
<td>Source</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>OPTOFF04</td>
<td>In last 12mths have you discussed or been offered: joining support network/group</td>
<td>Indiv</td>
</tr>
<tr>
<td>OPTOFF05</td>
<td>In last 12mths have you discussed or been offered: other</td>
<td>Indiv</td>
</tr>
<tr>
<td>OPTOFF06</td>
<td>In last 12mths have you discussed or been offered: none of these</td>
<td>Indiv</td>
</tr>
<tr>
<td>OPTDO01</td>
<td>In last 12mths have you actually done: read and used information on condition</td>
<td>Indiv</td>
</tr>
<tr>
<td>OPTDO02</td>
<td>In last 12mths have you actually done: read and used information on care choices</td>
<td>Indiv</td>
</tr>
<tr>
<td>OPTDO03</td>
<td>In last 12mths have you actually done: attended training courses on condition</td>
<td>Indiv</td>
</tr>
<tr>
<td>OPTDO04</td>
<td>In last 12mths have you actually done: joined support network/group</td>
<td>Indiv</td>
</tr>
<tr>
<td>OPTDO05</td>
<td>In last 12mths have you actually done: have equipment fitted at home</td>
<td>Indiv</td>
</tr>
<tr>
<td>OPTDO95</td>
<td>In last 12mths have you actually done: other</td>
<td>Indiv</td>
</tr>
<tr>
<td>OPTDO96</td>
<td>In last 12mths have you actually done: none of these</td>
<td>Indiv</td>
</tr>
<tr>
<td>PCAREP</td>
<td>(D) Been offered a personal care plan?</td>
<td>Derived</td>
</tr>
</tbody>
</table>

### Kidney Disease

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVERKIDD</td>
<td>Do you now or have you ever had chronic kidney disease?</td>
<td>Indiv</td>
</tr>
<tr>
<td>FAMKIDD</td>
<td>Do any close relatives have or ever had chronic kidney disease?</td>
<td>Indiv</td>
</tr>
<tr>
<td>RISKKID</td>
<td>Ever been told by doctor/health care professional that you are at risk of kidney disease?</td>
<td>Indiv</td>
</tr>
<tr>
<td>DOCINFO02</td>
<td>Were you told by doctor that you had kidney disease?</td>
<td>Indiv</td>
</tr>
<tr>
<td>AGINFO02</td>
<td>How old were you when you were 1st told by doctor that you had kidney disease?</td>
<td>Indiv</td>
</tr>
<tr>
<td>KIDTEST</td>
<td>Ever been told being tested for kidney disease?</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHKTEST1</td>
<td>Kidney disease test: Blood test</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHKTEST12</td>
<td>Kidney disease test: Urine test</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHKTEST13</td>
<td>Kidney disease test: Scan</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHKTEST14</td>
<td>Kidney disease test: Other test</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHKTEST15</td>
<td>Kidney disease test: Can't remember</td>
<td>Indiv</td>
</tr>
<tr>
<td>BLDR5</td>
<td>At most recent blood test were you told your percentage (eGFR)?</td>
<td>Indiv</td>
</tr>
<tr>
<td>URTEST1</td>
<td>Urine test for kidney: Blood</td>
<td>Indiv</td>
</tr>
<tr>
<td>URTEST2</td>
<td>Urine test for kidney: Protein</td>
<td>Indiv</td>
</tr>
<tr>
<td>URTEST3</td>
<td>Urine test for kidney: Neither</td>
<td>Indiv</td>
</tr>
<tr>
<td>URTEST4</td>
<td>Urine test for kidney: Don't know</td>
<td>Indiv</td>
</tr>
<tr>
<td>MEDKIDD</td>
<td>Are you currently taking any medicines, tablets or pills for kidney disease?</td>
<td>Indiv</td>
</tr>
<tr>
<td>ADVKIDD</td>
<td>Are you receiving other treatment?</td>
<td>Indiv</td>
</tr>
<tr>
<td>KIDDC01</td>
<td>Kidney disease treatment: Diet</td>
<td>Indiv</td>
</tr>
<tr>
<td>KIDDC02</td>
<td>Kidney disease treatment: GP check-ups</td>
<td>Indiv</td>
</tr>
<tr>
<td>KIDDC03</td>
<td>Kidney disease treatment: Hospital check-ups</td>
<td>Indiv</td>
</tr>
<tr>
<td>KIDDC04</td>
<td>Kidney disease treatment: Regular dialysis</td>
<td>Indiv</td>
</tr>
<tr>
<td>KIDDC95</td>
<td>Kidney disease treatment: Other</td>
<td>Indiv</td>
</tr>
<tr>
<td>KIDDIAG</td>
<td>(D) Doctor diagnosed kidney disease</td>
<td>Derived</td>
</tr>
<tr>
<td>EGFRGIP4</td>
<td>(D) eGFR in 4 categories</td>
<td>Derived</td>
</tr>
<tr>
<td>EGFRGIP6</td>
<td>(D) eGFR in 6 categories</td>
<td>Derived</td>
</tr>
<tr>
<td>EGFRGIP7</td>
<td>(D) eGFR in 7 categories</td>
<td>Derived</td>
</tr>
<tr>
<td>ALBCREGP</td>
<td>(D) Urinary albumin excretion grouped</td>
<td>Derived</td>
</tr>
<tr>
<td>KIDFAIL</td>
<td>(D) Chronic disease stage</td>
<td>Derived</td>
</tr>
<tr>
<td>KIDFAILGP</td>
<td>(D) Chronic disease stage (grouped)</td>
<td>Derived</td>
</tr>
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</table>

### GHQ12

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHQCONC</td>
<td>GHQ: Able to concentrate</td>
<td>SC 13+</td>
</tr>
<tr>
<td>GHSLEEP</td>
<td>GHQ: Lost sleep over worry</td>
<td>SC 13+</td>
</tr>
<tr>
<td>GHQUSE</td>
<td>GHQ: Felt playing useful part in things</td>
<td>SC 13+</td>
</tr>
<tr>
<td>GHQDECIS</td>
<td>GHQ: Felt capable of making decisions</td>
<td>SC 13+</td>
</tr>
<tr>
<td>GHQSTRAI</td>
<td>GHQ: Felt constantly under strain</td>
<td>SC 13+</td>
</tr>
<tr>
<td>GHQOVER</td>
<td>GHQ: Felt couldn't overcome difficulties</td>
<td>SC 13+</td>
</tr>
<tr>
<td>GHQENJOY</td>
<td>GHQ: Able to enjoy day-to-day activities</td>
<td>SC 13+</td>
</tr>
<tr>
<td>GHQFACE</td>
<td>GHQ: Been able to face problems</td>
<td>SC 13+</td>
</tr>
<tr>
<td>Variable</td>
<td>Description</td>
<td>Source</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>GHQUNHAP</td>
<td>GHQ: Been feeling unhappy and depressed</td>
<td>SC 13+</td>
</tr>
<tr>
<td>GHQCONF1</td>
<td>GHQ: Been losing confidence in self</td>
<td>SC 13+</td>
</tr>
<tr>
<td>GHQWORTH</td>
<td>GHQ: Been thinking of self as worthless</td>
<td>SC 13+</td>
</tr>
<tr>
<td>GHQHAPPY</td>
<td>GHQ: Been feeling reasonably happy</td>
<td>SC 13+</td>
</tr>
<tr>
<td>GHQ12SCR</td>
<td>(D) GHQ Score - 12 point scale</td>
<td>Derived</td>
</tr>
<tr>
<td>GHQC2</td>
<td>(D) GHQ Score - grouped (0,1-3,4+)</td>
<td>Derived</td>
</tr>
</tbody>
</table>

### Cardiovascular Disease

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVERBP</td>
<td>Do you have or ever had high blood pressure (hypertension)</td>
<td>Indiv</td>
</tr>
<tr>
<td>DOCBP</td>
<td>Were you told by a doctor/nurse that you had high BP?</td>
<td>Indiv</td>
</tr>
<tr>
<td>PREGBP</td>
<td>Were you pregnant when you were told you had high BP?</td>
<td>Indiv</td>
</tr>
<tr>
<td>OTHBP</td>
<td>Have you had high BP apart from when pregnant?</td>
<td>Indiv</td>
</tr>
<tr>
<td>AGEBP</td>
<td>Age told had high BP?</td>
<td>Indiv</td>
</tr>
<tr>
<td>MEDBP</td>
<td>Are you currently taking any medicines, tablets or pills for high BP?</td>
<td>Indiv</td>
</tr>
<tr>
<td>BPSTILL</td>
<td>Do you still have high blood pressure?</td>
<td>Indiv</td>
</tr>
<tr>
<td>EVERMED</td>
<td>Have you ever taken medicines, tablets, or pills for high blood pressure?</td>
<td>Indiv</td>
</tr>
<tr>
<td>STPMED00</td>
<td>Stop BP medication: Doctor's advised to, improvement</td>
<td>Indiv</td>
</tr>
<tr>
<td>STPMED01</td>
<td>Stop BP medication: Doctor's advised to, lack of improvement</td>
<td>Indiv</td>
</tr>
<tr>
<td>STPMED02</td>
<td>Stop BP medication: Another problem</td>
<td>Indiv</td>
</tr>
<tr>
<td>STPMED03</td>
<td>Stop BP medication: Respondent decided to stop, felt better</td>
<td>Indiv</td>
</tr>
<tr>
<td>STPMED04</td>
<td>Stop BP medication: Respondent decided to stop, other reason</td>
<td>Indiv</td>
</tr>
<tr>
<td>STPMED05</td>
<td>Stop BP medication: other reason</td>
<td>Indiv</td>
</tr>
<tr>
<td>OTHADV</td>
<td>Are you receiving any other treatment/advice for high BP?</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHTTRT01</td>
<td>Other treatment/advice currently receiving: Blood pressure monitored by GP</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHTTRT02</td>
<td>Other treatment/advice currently receiving: Advice to lose weight</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHTTRT03</td>
<td>Other treatment/advice currently receiving: Blood tests</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHTTRT04</td>
<td>Other treatment/advice currently receiving: Change diet</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHTTRT05</td>
<td>Other treatment/advice currently receiving: Stop smoking</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHTTRT06</td>
<td>Other treatment/advice currently receiving: Reduce stress</td>
<td>Indiv</td>
</tr>
<tr>
<td>WHTTRT07</td>
<td>Other treatment/advice currently receiving: Other</td>
<td>Indiv</td>
</tr>
</tbody>
</table>
## Smoking

### Adult General

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>STARTSMK</td>
<td>Age when started smoking</td>
<td>Indiv</td>
</tr>
<tr>
<td>DRSMOKE</td>
<td>Did Has a medical person ever advised</td>
<td>Indiv</td>
</tr>
<tr>
<td>DRSMOKE1</td>
<td>How long ago</td>
<td>Indiv</td>
</tr>
<tr>
<td>CIGARNOW</td>
<td>Currently smokes cigars</td>
<td>Indiv</td>
</tr>
<tr>
<td>CIGARREG</td>
<td>How regularly smokes cigars</td>
<td>Indiv</td>
</tr>
<tr>
<td>PIPENOWA</td>
<td>Currently smokes a pipe</td>
<td>Indiv</td>
</tr>
<tr>
<td>EXPSMOK</td>
<td>Number of hours/week exposed to others' smoke (c+sc)</td>
<td>Indiv/SC</td>
</tr>
<tr>
<td>CIGSTA1</td>
<td>(D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current</td>
<td>Derived</td>
</tr>
<tr>
<td>CIGSTA3</td>
<td>(D) Cigarette Smoking Status: Current/Ex-Reg/Never-Reg</td>
<td>Derived</td>
</tr>
<tr>
<td>CIGST2</td>
<td>(D) Cigarette Smoking Status - Banded current smokers</td>
<td>Derived</td>
</tr>
<tr>
<td>PASSMK1</td>
<td>Often near people who smoke: At home?</td>
<td>Indiv/SCYP</td>
</tr>
<tr>
<td>PASSMK2</td>
<td>Often near people who smoke: At work?</td>
<td>Indiv/SCYP</td>
</tr>
<tr>
<td>PASSMK3</td>
<td>Often near people who smoke: In other people's homes?</td>
<td>Indiv/SCYP</td>
</tr>
<tr>
<td>PASSMK4</td>
<td>Often near people who smoke: Outdoor smoking areas of pubs/restaurants/cafes?</td>
<td>Indiv/SCYP</td>
</tr>
<tr>
<td>PASSMK5</td>
<td>Often near people who smoke: In other places?</td>
<td>Indiv/SCYP</td>
</tr>
<tr>
<td>PASSMK6</td>
<td>Often near people who smoke: No, none of these</td>
<td>Indiv/SCYP</td>
</tr>
<tr>
<td>PASSMKB</td>
<td>Does this bother you at all?</td>
<td>Indiv/SCYP</td>
</tr>
<tr>
<td>SMKEVR</td>
<td>Whether ever smoked cigarette/cigar/pipe</td>
<td>Indiv/SCYP</td>
</tr>
<tr>
<td>CIGNOW</td>
<td>Whether smoke cigarettes nowadays</td>
<td>Indiv/SCYP</td>
</tr>
<tr>
<td>CIGEVr</td>
<td>Whether ever smoked cigarettes</td>
<td>Indiv/SCYP</td>
</tr>
<tr>
<td>CIGREG</td>
<td>How frequently used to smoke</td>
<td>Indiv/SCYP</td>
</tr>
<tr>
<td>SMKDAD</td>
<td>Whether father smoked when informant a child</td>
<td>Indiv/SCYP</td>
</tr>
<tr>
<td>SMKMUM</td>
<td>Whether mother smoked when informant a child</td>
<td>Indiv/SCYP</td>
</tr>
</tbody>
</table>

### Adult Current Smokers

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMOKWH1</td>
<td>In last 7 days I smoked: At my home (indoors or outside)</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKWH2</td>
<td>In last 7 days I smoked: Outside (other than at home)</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKWH3</td>
<td>In last 7 days I smoked: Inside other people's homes</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKWH4</td>
<td>In last 7 days I smoked: Whilst travelling by car</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKWH5</td>
<td>In last 7 days I smoked: Inside other places</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKHM01</td>
<td>In last 7 days I smoked: Outside, for example in the garden or on doorstep</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKHM02</td>
<td>In last 7 days I smoked: Own room/bedroom</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKHM03</td>
<td>In last 7 days I smoked: Living room</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKHM04</td>
<td>In last 7 days I smoked: Kitchen</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKHM05</td>
<td>In last 7 days I smoked: Toilet</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKHM06</td>
<td>In last 7 days I smoked: Bathroom</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKHM07</td>
<td>In last 7 days I smoked: Study</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKHM08</td>
<td>In last 7 days I smoked: Dining room</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKHM09</td>
<td>In last 7 days I smoked: Everywhere</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKHM10</td>
<td>In last 7 days I smoked: Somewhere else in the home</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKOUT1</td>
<td>In last 7 days I smoked: In the street, or out and about</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKOUT2</td>
<td>In last 7 days I smoked: Outside at work</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKOUT3</td>
<td>In last 7 days I smoked: Outside other people's home</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKOUT4</td>
<td>In last 7 days I smoked: Outside pubs or bars</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKOUT5</td>
<td>In last 7 days I smoked: Outside restaurants, cafes, or canteens</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKOUT6</td>
<td>In last 7 days I smoked: Outside shops</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKOUT7</td>
<td>In last 7 days I smoked: Outside other places</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKPPL1</td>
<td>In last 7 days I smoked near: Babies aged 2 and under</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKPPL2</td>
<td>In last 7 days I smoked near: Children aged 2-10</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKPPL3</td>
<td>In last 7 days I smoked near: Children aged 11-15</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKPPL4</td>
<td>In last 7 days I smoked near: Older adults over the age of 65</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKPPL5</td>
<td>In last 7 days I smoked near: Pregnant women</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKPPL6</td>
<td>In last 7 days I smoked near: Adults aged 16-64 with asthma or breathing problems</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKPPL7</td>
<td>In last 7 days I smoked near: None of these</td>
<td>Indiv</td>
</tr>
</tbody>
</table>
### HSE 2009 List of Variables: Smoking

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMNODAY</td>
<td>How easy or difficult would you Name [PNo] find it to go without smoking</td>
<td>Indiv</td>
</tr>
<tr>
<td>GVUPRS01</td>
<td>Giveup: Because of a health problem I have at present</td>
<td>Indiv</td>
</tr>
<tr>
<td>GVUPRS02</td>
<td>Giveup: Better for my health in general</td>
<td>Indiv</td>
</tr>
<tr>
<td>GVUPRS03</td>
<td>To reduce the risk of getting smoking related illnesses</td>
<td>Indiv</td>
</tr>
<tr>
<td>GVUPRS04</td>
<td>Giveup: Because of the forthcoming smoking ban in all enclosed public places, including pubs and restaurants</td>
<td>Indiv</td>
</tr>
<tr>
<td>GVUPRS05</td>
<td>Giveup: Family or friends wanted me to stop</td>
<td>Indiv</td>
</tr>
<tr>
<td>GVUPRS06</td>
<td>Giveup: Financial reasons (can't afford it)</td>
<td>Indiv</td>
</tr>
<tr>
<td>GVUPRS07</td>
<td>Giveup: Worried about the effect on my children</td>
<td>Indiv</td>
</tr>
<tr>
<td>GVUPRS08</td>
<td>Giveup: Worried about the effect on other family members</td>
<td>Indiv</td>
</tr>
<tr>
<td>GVUPRS09</td>
<td>Giveup: Something else</td>
<td>Indiv</td>
</tr>
<tr>
<td>FIRSTCIG</td>
<td>How soon after waking do you smoke</td>
<td>Indiv</td>
</tr>
<tr>
<td>CIGDYAL</td>
<td>(D) Number of cigarettes smoke a day - inc. non-smokers</td>
<td>Derived</td>
</tr>
<tr>
<td>CIGWDAY</td>
<td>Number cigarettes smoke on weekday</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>CIGWEND</td>
<td>Number cigarettes smoke on weekend day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>CIGTYP</td>
<td>Type of cigarette smoked</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>GIVUPSK</td>
<td>Like to give up smoking</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>NUMSMOK</td>
<td>About how many cigarettes did you smoke in a day</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>ENDSMOKE</td>
<td>How long ago did you stop smoking cigarettes</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKYRS</td>
<td>And for approximately how many years did you smoke cigarette</td>
<td>Indiv</td>
</tr>
<tr>
<td>LONGEND</td>
<td>How many months ago did you give up</td>
<td>Indiv</td>
</tr>
<tr>
<td>NICOT</td>
<td>Did you use any nicotine products</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKETRY</td>
<td>Have you ever tried to give up smoking</td>
<td>Indiv</td>
</tr>
</tbody>
</table>

### Adult Ex-Smokers

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>QITRSN01</td>
<td>Reason giveup: Advice from a GP or health professional</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN02</td>
<td>Reason giveup: Advert for a nicotine replacement product</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN03</td>
<td>Reason giveup: Government TV, radio or press advert</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN04</td>
<td>Reason giveup: Hearing about a new stop smoking treatment</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN05</td>
<td>Reason giveup: Financial reasons (couldn't afford it)</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN06</td>
<td>Reason giveup: Being faced with the forthcoming smoking ban in all enclosed public places, including pubs and restaurants</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN07</td>
<td>Reason giveup: I knew someone else who was stopping</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN08</td>
<td>Reason giveup: Seeing a health warning on cigarette packet</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN09</td>
<td>Reason giveup: Family or friends wanted me to stop</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN10</td>
<td>Reason giveup: Being contacted by my local NHS Stop Smoking Services</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN11</td>
<td>Reason giveup: Health problems I had at the time</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN12</td>
<td>Reason giveup: Worried about future health problems</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN13</td>
<td>Reason giveup: Pregnancy</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN14</td>
<td>Reason giveup: Worried about the effect on my children</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN15</td>
<td>Reason giveup: Worried about the effect on other family members</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN16</td>
<td>Reason giveup: My own motivation</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN17</td>
<td>Reason giveup: Something else</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>QITRSN18</td>
<td>Reason giveup: Cannot remember</td>
<td>Indiv/SC YP</td>
</tr>
<tr>
<td>NUMSMOK</td>
<td>About how many cigarettes did you smoke</td>
<td>Indiv</td>
</tr>
<tr>
<td>ENDSMOKE</td>
<td>How long ago did you stop smoking cigarettes</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKYRS</td>
<td>And for approximately how many years did you smoke cigarette</td>
<td>Indiv</td>
</tr>
<tr>
<td>LONGEND</td>
<td>How many months ago did you give up</td>
<td>Indiv</td>
</tr>
<tr>
<td>NICOT</td>
<td>Did you use any nicotine products</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKETRY</td>
<td>Have you ever tried to give up smoking</td>
<td>Indiv</td>
</tr>
</tbody>
</table>

### Adult Pregnancy

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISPREG</td>
<td>Whether currently pregnant</td>
<td>Indiv</td>
</tr>
<tr>
<td>SMOKEPRG</td>
<td>Smoked since pregnant</td>
<td>Indiv</td>
</tr>
<tr>
<td>STOPPRG</td>
<td>Stopped smoking due to pregnancy</td>
<td>Indiv</td>
</tr>
<tr>
<td>PREGREG</td>
<td>Whether pregnant in last twelve months</td>
<td>Indiv</td>
</tr>
<tr>
<td>PREGSMOK</td>
<td>Whether smoked when pregnant</td>
<td>Indiv</td>
</tr>
<tr>
<td>PREGSTOP</td>
<td>Whether stopped smoking due to pregnancy</td>
<td>Indiv</td>
</tr>
</tbody>
</table>

### Young People

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCIGAGE</td>
<td>Age first tried a cigarette</td>
<td>SC YP</td>
</tr>
<tr>
<td>Variable</td>
<td>Description</td>
<td>Source</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>DYGVUP01</td>
<td>Reasons for wanting to quit smoking: Current health problem</td>
<td>SC YP</td>
</tr>
<tr>
<td>DYGVUP02</td>
<td>Reasons for wanting to quit smoking: Better for health in general</td>
<td>SC YP</td>
</tr>
<tr>
<td>DYGVUP03</td>
<td>Reasons for wanting to quit smoking: Less risk of smoking related illnesses</td>
<td>SC YP</td>
</tr>
<tr>
<td>DYGVUP04</td>
<td>Reasons for wanting to quit smoking: Family/friends</td>
<td>SC YP</td>
</tr>
<tr>
<td>DYGVUP05</td>
<td>Reasons for wanting to quit smoking: Financial reasons</td>
<td>SC YP</td>
</tr>
<tr>
<td>DYGVUP06</td>
<td>Reasons for wanting to quit smoking: Worried about effect on children</td>
<td>SC YP</td>
</tr>
<tr>
<td>DYGVUP07</td>
<td>Reasons for wanting to quit smoking: Ban on smoking in public places</td>
<td>SC YP</td>
</tr>
<tr>
<td>DYGVUP08</td>
<td>Reasons for wanting to quit smoking: Other</td>
<td>SC YP</td>
</tr>
</tbody>
</table>

### Children 8-15

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANRSM2O1</td>
<td>Often near people who smoke: At home</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ANRSM2O2</td>
<td>Often near people who smoke: In other people’s homes</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ANRSM2O4</td>
<td>Often near people who smoke: In a car</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ANRSM2O5</td>
<td>Often near people who smoke: In the street</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ANRSM2O6</td>
<td>Often near people who smoke: Outdoor areas of pubs/cafs/restaurants</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ANRSM2O7</td>
<td>Often near people who smoke: Park/playing facilities</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ANRSM2O8</td>
<td>Often near people who smoke: Public places unspecified</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ANRSM2O9</td>
<td>Often near people who smoke: School</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ANRSM210</td>
<td>Often near people who smoke: In other places</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ANRSM209</td>
<td>Often near people who smoke: No, none of these</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>ASMKBTTHR</td>
<td>Being around smoke bother you</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>KCIGREGG</td>
<td>(D) Frequency of cigarette smoking (8-15s) (grouped)</td>
<td>Derived</td>
</tr>
<tr>
<td>KCIGEVR</td>
<td>Whether ever smoked cigarettes (8-15s)</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>KCIGAGE</td>
<td>Age first smoked a cigarette (8-15s)</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>KCIGREG</td>
<td>Frequency and amount smoked (8-15s)</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>KCIGWEEK</td>
<td>Whether smoked in previous week (8-15s)</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>KCIGNUM</td>
<td>Number of cigarettes smoked last week (8-15s)</td>
<td>SC 8-15</td>
</tr>
<tr>
<td>CHEXPSM</td>
<td>(ask parent/guardian) Whether child carer smokes (0-12s)</td>
<td>Indiv</td>
</tr>
</tbody>
</table>

### Nicotine

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMOKE1</td>
<td>Currently smokes cigarettes</td>
<td>Nurse</td>
</tr>
<tr>
<td>SMOKE2</td>
<td>Currently smokes cigars</td>
<td>Nurse</td>
</tr>
<tr>
<td>SMOKE3</td>
<td>Currently smokes a pipe</td>
<td>Nurse</td>
</tr>
<tr>
<td>SMOKE4</td>
<td>Does not currently smoke</td>
<td>Nurse</td>
</tr>
<tr>
<td>LASTSMOK</td>
<td>How long is it since you last smoked a smotxt?</td>
<td>Nurse</td>
</tr>
<tr>
<td>USENIC</td>
<td>Used nicotine products?</td>
<td>Nurse</td>
</tr>
<tr>
<td>USEGUM</td>
<td>Used any nicotine chewing gum?</td>
<td>Nurse</td>
</tr>
<tr>
<td>GUMMG</td>
<td>What strength is nicotine chewing gum?</td>
<td>Nurse</td>
</tr>
<tr>
<td>USEPAT</td>
<td>Used any nicotine patches?</td>
<td>Nurse</td>
</tr>
<tr>
<td>NICPATS</td>
<td>Which brand and strength of nicotine patches</td>
<td>Nurse</td>
</tr>
<tr>
<td>USENAS</td>
<td>Used a nicotine nasal spray?</td>
<td>Nurse</td>
</tr>
<tr>
<td>NICUSEB</td>
<td>(D) Used nicotine products in last 7 days e.g. gum, patch, nasal spray</td>
<td>Derived</td>
</tr>
</tbody>
</table>

### Cotinine

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>SALINTRI</td>
<td>Consent to take saliva sample</td>
<td>Nurse</td>
</tr>
<tr>
<td>SALOBT1</td>
<td>Whether saliva sample obtained</td>
<td>Nurse</td>
</tr>
<tr>
<td>SALHOW</td>
<td>Method used to obtain the saliva sample.</td>
<td>Nurse</td>
</tr>
<tr>
<td>SALNOB13</td>
<td>Sample not obtained: Not able to produce any saliva</td>
<td>Nurse</td>
</tr>
<tr>
<td>SALNOB14</td>
<td>Sample not obtained: Other</td>
<td>Nurse</td>
</tr>
<tr>
<td>COTSAL</td>
<td>Cotinine result</td>
<td>Lab</td>
</tr>
<tr>
<td>COTQUAL</td>
<td>Cotinine quality</td>
<td>Nurse</td>
</tr>
<tr>
<td>COT1VAL</td>
<td>(D) Valid Cotinine (saliva)</td>
<td>Derived</td>
</tr>
<tr>
<td>COT15VAL</td>
<td>(D) Valid Cotinine (saliva); 0&lt;15,15+</td>
<td>Derived</td>
</tr>
</tbody>
</table>
## Urine

### Admin

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>URIINTRO</td>
<td>Consent to take urine sample</td>
<td>Nurse</td>
</tr>
<tr>
<td>UROBT1</td>
<td>Whether urine sample obtained</td>
<td>Nurse</td>
</tr>
<tr>
<td>URINOBT3</td>
<td>Sample not obtained: Not able to produce any urine</td>
<td>Nurse</td>
</tr>
<tr>
<td>URINOBT4</td>
<td>Sample not obtained: Other</td>
<td>Nurse</td>
</tr>
<tr>
<td>URIINTRO</td>
<td>Consent to take urine sample</td>
<td>Nurse</td>
</tr>
<tr>
<td>UROUT</td>
<td>Urine sample outcome</td>
<td>Nurse</td>
</tr>
</tbody>
</table>

### Measurements

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM</td>
<td>Sodium result</td>
<td>Lab</td>
</tr>
<tr>
<td>SODIUMQ</td>
<td>Sodium quality</td>
<td>Lab</td>
</tr>
<tr>
<td>POTASS</td>
<td>Potassium result</td>
<td>Lab</td>
</tr>
<tr>
<td>POTASSQ</td>
<td>Potassium quality</td>
<td>Lab</td>
</tr>
<tr>
<td>CREATIN</td>
<td>Creatinine result</td>
<td>Lab</td>
</tr>
<tr>
<td>CREATINQ</td>
<td>Creatinine quality</td>
<td>Lab</td>
</tr>
<tr>
<td>ALBUMIN2</td>
<td>Albumin result (capped at &gt;400)</td>
<td>Lab</td>
</tr>
<tr>
<td>ALBUMINQ</td>
<td>Albumin quality (Urine data)</td>
<td>Lab</td>
</tr>
<tr>
<td>ALBCREAT</td>
<td>Albumin/Creatinine ratio result</td>
<td>Lab</td>
</tr>
<tr>
<td>ALBCREAQ</td>
<td>Albumin/Creatinine ratio quality</td>
<td>Lab</td>
</tr>
</tbody>
</table>
Renal analytes

Renal analytes data

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>CKDEPI</td>
<td>(D) CKDEPI result</td>
<td>Derived</td>
</tr>
<tr>
<td>eGFRCKDEPI</td>
<td>(D) CKDEPI result - grouped</td>
<td>Derived</td>
</tr>
<tr>
<td>eGFRMDRD</td>
<td>(D) eGFRMDRD result</td>
<td>Derived</td>
</tr>
<tr>
<td>eGFR_MDRD</td>
<td>(D) eGFRMDRD result - grouped</td>
<td>Derived</td>
</tr>
<tr>
<td>CystC</td>
<td>(D) Serum cystatin C</td>
<td>Derived</td>
</tr>
<tr>
<td>eGFRGRUBB</td>
<td>(D) Grubb Result</td>
<td>Derived</td>
</tr>
<tr>
<td>eGFRGRUBBGP3</td>
<td>(D) eGFR in 2 categories using Grubb</td>
<td>Derived</td>
</tr>
<tr>
<td>Alb</td>
<td>(D) Albuminuria (grouped)</td>
<td>Derived</td>
</tr>
<tr>
<td>BMI2</td>
<td>(D) BMI grouped into three categories: Normal, Overweight and Obese</td>
<td>Derived</td>
</tr>
<tr>
<td>waistgp</td>
<td>(D) Waist measurement grouped into three categories: Normal, High and Very high</td>
<td>Derived</td>
</tr>
<tr>
<td>gly_half</td>
<td>(D) GlyHB 6.5% and over</td>
<td>Derived</td>
</tr>
<tr>
<td>Total_Dia</td>
<td>(D) Diabetes: Yes/No</td>
<td>Derived</td>
</tr>
<tr>
<td>surv_diag_ht</td>
<td>(D) Survey diagnosed Hypertension</td>
<td>Derived</td>
</tr>
<tr>
<td>Total_ht</td>
<td>(D) Hypertension: Yes/No</td>
<td>Derived</td>
</tr>
<tr>
<td>Chol_Thres</td>
<td>(D) Cholesterol split into above/below threshold</td>
<td>Derived</td>
</tr>
<tr>
<td>HDL_Thres</td>
<td>(D) HDL Cholesterol value grouped</td>
<td>Derived</td>
</tr>
</tbody>
</table>
A survey carried out on behalf of The Information Centre

*Joint Health Surveys Unit*
National Centre for Social Research
Department of Epidemiology and Public Health, University College London
A survey carried out on behalf of The Information Centre

Joint Health Surveys Unit
National Centre for Social Research
Department of Epidemiology and Public Health, University College London
## Contents

### CLASSIFICATION 8

**HOUSEHOLD**
- HHFSIZE: (D) Household Size
- HHDTYPE: (D) Household Type

**INDIVIDUAL**
- IRNDAGE: (D) Age at interview rounded to the nearest integer
- NRDNAGE: (D) Age at nurse visit rounded to the nearest integer
- AG16G10: (D) Age 16+ in ten year bands
- AG16G20: (D) Age 16+ in twenty year bands
- AG015G2: (D) Age 0-15 in two year bands
- AG215G2: (D) Age 2-15 in two year bands
- AG215G3: (D) Age 2-15: Approx 3 year age bands
- AG415G3: (D) Age 4-15: 3 year age bands
- AG515G3: (D) Age 5-15: Approx 3 year age bands
- AG715G3: (D) Age 7-15: 3 year age bands
- MARSTATC: Marital status including cohabitees

**ADMIN**
- INTDAYW: (D) Weekday of individual interview

**BOOKLET ADMIN**
- BOOKLET: (D) Which self-completion filled out

**EDUCATION**
- TOPQUAL2: (D) Highest Educational Qualification - students separate
- TOPQUAL3: (D) Highest Educational Qualification

**EMPLOYMENT STATUS**
- SCHRP: (D) Social Class of HRP - Harmonised
- SCHRPG7: (D) Social Class of HRP - L,II,III,IV,V,Others
- SCHRPG6: (D) Social Class of HRP - L,II,III,IV,V
- SCHRPG4: (D) Social Class of HRP: I/II,IIINM,IIIM,IV/V
- NSSEC8: (D) NS-SEC 8 Variable Classification (individual)
- NSSEC5: (D) NS-SEC 5 Variable Classification (individual)
- NSSEC3: (D) NS-SEC 3 Variable Classification (individual)
- HPNSSEC8: (D) NS-SEC 8 Variable Classification (hrp)
- HPNSSEC5: (D) NS-SEC 5 Variable Classification (hrp)
- HPNSSEC3: (D) NS-SEC 3 Variable Classification (hrp)
- SCALLX: (D) Social Class of Indiv - Harmonised
- SCALLXG2: (D) Social Class of Indiv - Harmonised non man / manual
- ECONACT: (D) Economic Status (4 groups)

**INCOME**
- TOTINC: (D) Total Household Income
- MCCLEM: (D) McClements household score for equivalised income
- EQVINC: (D) Equivalised Income
- EQV5: (D) Equivalent Income Quintiles
- EQV3: (D) Equivalent Income Tertiles

**NURSE ADMIN**
- NURDAYW: (D) Weekday of nurse interview

**RELATIONSHIPS**
- NATPR1: (D) Relationship of child to parent/legal guardian
- NATPR2: (D) Relationship of child to other parent/legal guardian

**SAMPLE INFO**
- URBAN: (D) Degree of urbanisation
- IMD2007: (D) Index of multiple deprivation (quintiles)

### ANTHROPOMETRIC MEASUREMENTS 23

**HEIGHT/WEIGHT ADMIN**
- HTOK: (D) Whether height measure is valid
- WTOK: (D) Whether weight measure is valid
- BMIOK: (D) Whether BMI measure is valid

**MEASUREMENTS**

---

HSE 2009 Derived Variables: Contents 3
<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTVAL:</td>
<td>(D) Valid height (cm)</td>
<td>24</td>
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<tr>
<td>WTVAL:</td>
<td>(D) Valid weight (Kg) inc. estimated&gt;130kg</td>
<td>24</td>
</tr>
<tr>
<td>BMI:</td>
<td>(D) BMI - inc. unreliable measurements</td>
<td>24</td>
</tr>
<tr>
<td>BMIVAL:</td>
<td>(D) Valid BMI - inc. estimated&gt;130kg</td>
<td>24</td>
</tr>
<tr>
<td>BMIVG5:</td>
<td>(D) Valid BMI (grouped:&lt;18.5,18.5-25,25-30,30-40 40+)</td>
<td>24</td>
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<tr>
<td>BMICAT1:</td>
<td>(D) UK bmival national classification standards (85th/95th centile) - children'</td>
<td>24</td>
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<tr>
<td>BMICAT2:</td>
<td>(D) Children’s bmi status (overweight incl. obese)'</td>
<td>25</td>
</tr>
<tr>
<td>BMICAT3:</td>
<td>(D) Children’s bmi status (non-obese vs obese)</td>
<td>25</td>
</tr>
<tr>
<td>WSTVAL:</td>
<td>(D) Valid Mean Waist (cm)</td>
<td>28</td>
</tr>
<tr>
<td>HIPVAL:</td>
<td>(D) Valid Mean Hip (cm)</td>
<td>28</td>
</tr>
<tr>
<td>WENVAL:</td>
<td>(D) Valid Mean Waist/Hip ratio</td>
<td>28</td>
</tr>
<tr>
<td>WENWHGP:</td>
<td>(D) Male waist-hip ratio (grouped)</td>
<td>28</td>
</tr>
<tr>
<td>WENWHHIL:</td>
<td>(D) Male high waist-hip ratio</td>
<td>28</td>
</tr>
<tr>
<td>WOMWHGP:</td>
<td>(D) Female waist-hip ratio (grouped)</td>
<td>28</td>
</tr>
<tr>
<td>WOMWHHIL:</td>
<td>(D) Female high waist-hip ratio</td>
<td>28</td>
</tr>
</tbody>
</table>

**WAIST AND HIP ADMIN**

- WSTOKB: (D) Whether waist measurements are valid
- HIPOKB: (D) Whether hip measurements are valid
- WHOKB: (D) Whether waist/hip measurements are valid

**BLOOD PRESSURE**

**ADMIN**

- BPRESPC: (D) Whether BP readings are valid

**MEASUREMENTS**

- HYPER1OM: (D) Hypertensive categories: all prescribed drugs for BP (Omron readings)
- HYPER2OM: (D) Hypertensive categories: all taking BP drugs (Omron readings)
- HY140OM: (D) Hypertensive categories: 140/90: all prescribed drugs for BP (Omron readings)
- HYPER1DI: (D) Hypertensive categories: all prescribed drugs for BP (Dinamap readings)
- HYPER2DI: (D) Hypertensive categories: all taking BP drugs (Dinamap readings)
- HY140DI: (D) Hypertensive categories: 140/90: all prescribed drugs for BP (Dinamap readings)
- HIBP1OM: (D) Whether hypertensive: all prescribed drugs for BP (Omron readings)
- HIBP2OM: (D) Whether hypertensive: all taking BP drugs (Omron readings)
- HIB140OM: (D) Whether hypertensive:140/90: all prescribed drugs for BP (Omron readings)
- HIBP1DI: (D) Whether hypertensive: all prescribed drugs for BP (Dinamap readings)
- HIBP2DI: (D) Whether hypertensive: all taking BP drugs (Dinamap readings)
- HIB140DI: (D) Whether hypertensive:140/90: all prescribed drugs for BP (Dinamap readings)
- OMDIAVAL: (D) Omron Valid Mean Diastolic BP
- OMSYSVAL: (D) Omron Valid Mean Systolic BP
- OMMAPVAL: (D) Omron Valid Mean Arterial Pressure
- OMPULVAL: (D) Omron Valid Pulse Pressure
- DIDIAVAL: (D) Dinamap Valid Mean Diastolic BP
- DISYSVAL: (D) Dinamap Valid Mean Systolic BP
- DIMAPVAL: (D) Dinamap Valid Mean Arterial Pressure
- DIPULVAL: (D) Dinamap Valid Pulse Pressure
- OMDIAST: (D) Omron Diastolic BP (mean 2nd/3rd) inc. invalid
- OMSYST: (D) Omron Systolic BP (mean 2nd/3rd) inc. invalid
- OMMAP: (D) Omron Mean arterial pressure (mean 2nd/3rd) inc. invalid
- OMPULS: (D) Omron Pulse pressure, systolic-diastolic inc. invalid
- DINADIAS: (D) Dinamap Diastolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)
- DINASYST: (D) Dinamap Systolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)
- DINAMAP: (D) Dinamap Mean arterial pressure (mean 2nd/3rd) inc. invalid (converted from Omron)
- DINAPULS: (D) Dinamap Pulse pressure, systolic-diastolic inc. invalid (converted from Omron)

**DRINKING**

**ADULTS GENERAL**

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

**ADULTS 7 DAYS**

- D7UNITWG: (D) NEW Units drunk on heaviest day in last 7
- D7UNITWGRP: (D) NEW Units drunk on heaviest day in last 7 (grouped)
- D7MANY3: (D) Number of days drank in last week, including none

**CHILDREN 13-15**

- ABER2WC: (D) Drunk beer in last 7 days - inc. non-drinkers
- ASPIRWC: (D) Drunk spirits in last 7 days - inc. non-drinkers
- ASHERWC: (D) Drunk sherry in last 7 days - inc. non-drinkers
- AWINEWC: (D) Drunk wine in last 7 days - inc. non-drinkers

HSE 2009 Derived Variables: Contents
FRUIT & VEGETABLE CONSUMPTION

PORPUL (D) Portion of pulses
PORSAI (D) Portion of salad
PORVEG (D) Portion of vegetables
PORVESH (D) Portion of vegetables in composites
PORJUICE (D) Portion of fruit juice
PORFRT (D) Portion of all sized fruit
PORDRY (D) Portion of dried fruit
PORFROZ (D) Portion of frozen fruit/canned fruit
PORFISH (D) Portion of fruit in composites
VEGPOR (D) Total portion of vegetables (inc. salad)
FRITPOR (D) Total portion of fruit
PORFV (D) Total portion of fruit and veg.
PORFTVG: "(D) Grouped portions of fruit (incl. orange juice) & veg yesterday"

GENERAL HEALTH

ACUTE SICKNESS

ACUTILL: (D) Acute sickness last two weeks

GHQ12

GHQ12SCR: (D) GHQ Score - 12 point scale
GHQ2G: (D) GHQ Score - grouped (0,1-3,4+)

LONGSTANDING ILLNESS

COMPM13: (D) I Infectious Disease
COMPM1: (D) II Neoplasms & benign growths
COMPM2: (D) III Endocrine & metabolic
COMPM14: (D) IV Blood & related organs
COMPM3: (D) V Mental disorders
COMPM4: (D) VI Nervous System
COMPM5: (D) VI Eye complaints
COMPM6: (D) VI Ear complaints
COMPM7: (D) VII Heart & circulatory system
COMPM8: (D) VIII Respiratory system
COMPM9: (D) IX Digestive system
COMPM10: (D) X Genito-urinary system
COMPM11: (D) XII Skin complaints
COMPM12: (D) XII Musculoskeletal system
COMPM15: (D) Other complaints
COMPM17: (D) No long-standing Illness
COMPM18: (D) No longer present
COMPM99: (D) Unclass/NLP/inadeq.describe
CONDCNT: (D) Number of grouped condition categories
CONDCNT2: (D) Number of grouped conditions - 4 plus
LIMITILL: (D) Limiting longstanding illness

PRESCRIBED MEDICINES: DRUGS AFFECTING BLOOD ANALYSES

DIUR: (D) Diuretics (Blood pressure)
BETA: (D) Beta blockers (Blood pressure/Fibrinogen)
ACEINH: (D) Ace inhibitors (Blood pressure)
CALCIUMB: (D) Calcium blockers (Blood pressure)
OBPDURG: (D) Other drugs affecting BP
LIPID: (D) Lipid lowering (Cholesterol/Fibrinogen)
IRON: (D) Iron deficiency (Haemoglobin/Ferritin)
BPMEDC: (D) Whether taking drugs affecting blood pressure
BPMEDD: (D) Whether taking drugs prescribed for blood pressure

PRESCRIBED MEDICINES: GENERAL

MEDCNJD: (D) Whether taking medication - excluding contraceptives only
MEDTYP1: (D) Cardio-vascular medicine taken
MEDTYP2: (D) Gastrointestinal medicine taken
MEDTYP3: (D) Respiratory medicine taken
MEDTYP4: (D) CNS medicine taken
MEDTYP5: (D) Medicine for infection taken
MEDTYP6: (D) Endocrine medicine taken
MEDTYP7: (D) Gynaec/Urinary medicine taken
MEDTYP8: (D) Cytotoxic medicine taken
<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDTYP9</td>
<td>(D) Medicine for nutrition/blood taken?</td>
</tr>
<tr>
<td>MEDTYP10</td>
<td>(D) Musculoskeletal medicine taken?</td>
</tr>
<tr>
<td>MEDTYP11</td>
<td>(D) Eye/Ear etc medicine taken?</td>
</tr>
<tr>
<td>MEDTYP12</td>
<td>(D) Medicine for skin taken?</td>
</tr>
<tr>
<td>MEDTYP13</td>
<td>(D) Other medicine taken?</td>
</tr>
<tr>
<td>NUMED2</td>
<td>(D) Number of prescribed medicines taken</td>
</tr>
<tr>
<td>NUMED</td>
<td>(D) Number of prescribed medicines taken (grouped 4+)</td>
</tr>
<tr>
<td>GENHELF2</td>
<td>(D) Self-assessed general health (grouped)</td>
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<tr>
<td>CIGDYAL</td>
<td>(D) Number of cigarettes smoke a day - inc. non-smokers</td>
</tr>
<tr>
<td>CIGST1</td>
<td>(D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current</td>
</tr>
<tr>
<td>CIGSTA3</td>
<td>(D) Cigarette Smoking Status: Current/Ex-Reg/Never-Reg</td>
</tr>
<tr>
<td>CIGST2</td>
<td>(D) Cigarette Smoking Status - Banded current smokers</td>
</tr>
<tr>
<td>KCIGREGG</td>
<td>(D) Frequency of cigarette smoking (8-15s) (grouped)</td>
</tr>
<tr>
<td>COTVAL</td>
<td>(D) Valid Cotinine (saliva est.)</td>
</tr>
<tr>
<td>COT15VAL</td>
<td>(D) Valid Cotinine (saliva est.): 0&lt;15,15+</td>
</tr>
<tr>
<td>NICUSEB</td>
<td>(D) Used nicotine products in last 7 days e.g. gum, patch, nasal spray</td>
</tr>
<tr>
<td>BSOUTE</td>
<td>(D) Blood Sample Outcome</td>
</tr>
<tr>
<td>CHOLVAL</td>
<td>(D) Valid Cholesterol Result</td>
</tr>
<tr>
<td>CHOLVAL1</td>
<td>(D) Valid Cholesterol Result (incl those on lld)</td>
</tr>
<tr>
<td>HDLVAL</td>
<td>(D) Valid HDL Cholesterol Result</td>
</tr>
<tr>
<td>HDLVAL1</td>
<td>(D) Valid HDL Cholesterol Result (incl those on lld)</td>
</tr>
<tr>
<td>GLYHBVAL</td>
<td>(D) Valid Glycated HB Result</td>
</tr>
<tr>
<td>CHOLOK</td>
<td>(D) Response to Total Cholesterol sample</td>
</tr>
<tr>
<td>HDOLOK</td>
<td>(D) Response to HDL Cholesterol sample</td>
</tr>
<tr>
<td>GLYHBOK</td>
<td>(D) Response to Glycated HB sample</td>
</tr>
<tr>
<td>CRPQUN</td>
<td>(D) C-reactive protein quintile.</td>
</tr>
<tr>
<td>CREOKB</td>
<td>(D) Response to Creatinine sample.</td>
</tr>
<tr>
<td>FEROKB</td>
<td>(D) Response to Ferritin sample.</td>
</tr>
<tr>
<td>FERVAL</td>
<td>(D) Valid Ferritin Result.</td>
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<tr>
<td>HAEMOKB</td>
<td>(D) Response to Haemoglobin sample.</td>
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<tr>
<td>FIBVAL</td>
<td>(D) Valid Fibrinogen Result.</td>
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<tr>
<td>eGFRGp6</td>
<td>(D) eGFR in 6 categories</td>
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<tr>
<td>eGFRGp7</td>
<td>(D) eGFR in 7 categories</td>
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<tr>
<td>ALBREGP</td>
<td>(D) Urinary albumin excretion grouped</td>
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<tr>
<td>ALBUMIN2</td>
<td>(D) Albumin result</td>
</tr>
<tr>
<td>KIDDIAG</td>
<td>(D) Doctor diagnosed kidney disease</td>
</tr>
<tr>
<td>KIDFAIL</td>
<td>(D) Chronic disease stage</td>
</tr>
<tr>
<td>KIDFAILGP</td>
<td>(D) Chronic disease stage (grouped)</td>
</tr>
<tr>
<td>DIABE2</td>
<td>(D) Doctor diagnosed diabetes (excluding pregnant).</td>
</tr>
<tr>
<td>DIABTYPE</td>
<td>(D) Type of diabetes</td>
</tr>
</tbody>
</table>
Classification

Household

**HHSIZE: (D) Household Size**

**SPSS Syntax**

```spss
COMPUTE hhsize = adults + children + infants.
VARIABLE LABELS hhsize "(D) Household Size".
```

**HHDTYPB: (D) Household Type**

1. 1 adult aged 16-59, no children
2. 2 adults, both 16-59, no children
3. Small family
4. Large family
5. Large adult household
6. 2 adults, 1 or both aged 60+, no children
7. 1 adult, aged 60+, no children

*Code -9 is applied to households where information about the age of individuals is missing. HHDTYPB is defined using the file of all people in productive households, then matched back to the file of productive individuals.*

**SPSS Syntax**

```spss
dataset close all.
GET FILE="F:\secure temp\HSE09\clean_hhp09.sav"
/keep serialh adults children infants age.
missing values all().
RECODE age (16 thru 59=1)(ELSE=0) INTO ad1659.
COMPUTE ch015=children+infants.
RECODE age (60 thru hi=1)(ELSE=0) INTO ad60.
AGGREGATE OUTFILE="F:\secure temp\HSE09\hhdtypb.sav"
/break=serialh adults ch015
/adyoung=SUM(ad1659)
/adold=SUM(ad60).
GET FILE="F:\secure temp\HSE09\hhdtypb.sav".
COMPUTE hhdtypb=-9.
IF adults=1 & adyoung=1 & ch015=0 hhdtypb=1.
IF adults=2 & adyoung=2 & ch015=0 hhdtypb=2.
IF adults=1 & adold=1 & ch015=0 hhdtypb=7.
IF adults=2 & adold>=1 & ch015=0 hhdtypb=6.
IF ANY(adults,1,2) & ANY(ch015,1,2) hhdtypb=3.
IF adults>=3 & ANY(ch015,0,1) hhdtypb=5.
IF (adults=1 & ch015>=3) | (adults>=3 & ch015=2) hhdtypb=4.
VARIABLE LABELS hhdtypb "(D) Household Type".
VALUE LABELS hhdtypb
 1 "1 adult aged 16-59, no children"
 2 "2 adults, both 16-59, no children"
 3 "Small family"
 4 "Large family"
 5 "Large adult household"
 6 "2 adults, 1 or both aged 60+, no children"
 7 "1 adult, aged 60+, no children".
SAVE OUTFILE="F:\secure temp\HSE09\hhdtypc.sav"
/keep serialh hhdtypb.
MATCH FILES FILE="F:\secure temp\HSE09\class1.sav"
/TABLE="F:\secure temp\HSE09\hhdtypc.sav"
/BY serialh.
EXECUTE.
save outfile="F:\secure temp\HSE09\class2.sav".
```

Individual

**IRNDAGE: (D) Age at interview rounded to the nearest integer**

**NRDNAGE: (D) Age at nurse visit rounded to the nearest integer**

**SPSS Syntax**

```spss
COMPUTE irndage = -1.
```

HSE 2009 Derived Variables: Classification
COMPUTE nrndage = -1 .
do if dintb>0 & mintb>0 and yintb>0.

COMPUTE idate = DATE.DMY(dintb,mintb,yintb) .
end if.
do if visday>0 & vismon>0 and visyear>0.

COMPUTE ndate = DATE.DMY(visday,vismon,visyear) .
end if.
do if dobday>0 & dobmon>0 and dobyear>0.

COMPUTE dobdate = DATE.DMY(dobday,dobmon,dobyear) .
end if.

IF (dobdate > 0) irndage = RND((idate-dobdate)/(86400*365.25)) .
IF (dobdate > 0 & ndate > 0) nrndage = RND((ndate-dobdate)/(86400*365.25)) .

VARIABLE LABELS irndage "(D) Age at interview rounded to the nearest integer".
VARIABLE LABELS nrndage "(D) Age at nurse visit rounded to the nearest integer".

AG16G10: (D) Age 16+ in ten year bands

1 16-24
2 25-34
3 35-44
4 45-54
5 55-64
6 65-74
7 75+

SPSS Syntax

RECODE age  (16 thru 24=1)  (25 thru 34=2)  (35 thru 44=3)  
(45 thru 54=4)  (55 thru 64=5)  (65 thru 74=6)  (75 thru Hi=7)  
(2 thru 15=-1)  INTO  ag16g10 .

VALUE LABELS ag16g10
1 "16-24"
2 "25-34"
3 "35-44"
4 "45-54"
5 "55-64"
6 "65-74"
7 "75+".

VARIABLE LABEL ag16g10 "(D) Age 16+ in ten year bands".

AG16G20: (D) Age 16+ in twenty year bands

1 16-34
2 35-54
3 55+

SPSS Syntax

RECODE age  (16 thru 34=1)  (35 thru 54=2)  (55 thru Hi=3)  
(0 thru 15=-1)  INTO  ag16g20 .

VALUE LABELS ag16g20
1 "16-34"
2 "35-54"
3 "55+".

VARIABLE LABEL ag16g20 "(D) Age 16+ in twenty year age bands".

AG015G2: (D) Age 0-15 in two year bands

1 0-1
2 2-3
3 4-5
4 6-7
5 8-9
6 10-11
7 12-13
8 14-15

SPSS Syntax

RECODE age  (0 thru 1=1)  (2 thru 3=2)  (4 thru 5=3)  (6 thru 7=4)  (8 thru 9=5)  
(10 thru 11=6)  (12 thru 13=7)  (14 thru 15=8)  (ELSE =-1)  INTO  ag015g2 .

VARIABLE LABEL ag015g2 "(D) Age 0-15 in two year bands".

VALUE LABELS ag015g2
1 "0-1"
2 "2-3"
3 "4-5"
4 "6-7"
5 "8-9"
6 "10-11"
7 "12-13"
8 "14-15".
AG215G2: (D) Age 2-15 in two year bands
1 2-3
2 4-5
3 6-7
4 8-9
5 10-11
6 12-13
7 14-15

SPSS Syntax
RECODE age (2 thru 3=1) (4 thru 5=2) (6 thru 7=3) (8 thru 9=4) (10 thru 11=5) (12 thru 13=6) (14 thru 15=7) (16 thru Hi=-1) INTO ag215g2.
VARIABLE LABEL ag215g2 "(D) Age 2-15 in two year bands".
VALUE LABELS ag215g2
1 "2-3"
2 "4-5"
3 "6-7"
4 "8-9"
5 "10-11"
6 "12-13"
7 "14-15".

AG215G3: (D) Age 2-15: Approx 3 year age bands
1 2-3
2 4-6
3 7-9
4 10-12
5 13-15

SPSS Syntax
RECODE age (2 thru 3=1) (4 thru 6=2) (7 thru 9=3) (10 thru 12=4) (13 thru 15=5) (ELSE=-1) INTO ag215g3.
VARIABLE LABEL ag215g3 "(D) Age 2-15: Approx 3 year age bands".
VALUE LABELS ag215g3
1 "2-3"
2 "4-6"
3 "7-9"
4 "10-12"
5 "13-15".

AG415G3: (D) Age 4-15: 3 year age bands
1 4-6
2 7-9
3 10-12
4 13-15

SPSS Syntax
RECODE age (4 thru 6=1) (7 thru 9=2) (10 thru 12=3) (13 thru 15=4) (ELSE=-1) INTO ag415g3.
VARIABLE LABEL ag415g3 "(D) Age 4-15: 3 year age bands".
VALUE LABELS ag415g3
1 "4-6"
2 "7-9"
3 "10-12"
4 "13-15".

AG515G3: (D) Age 5-15: Approx 3 year age bands
1 5-6
2 7-9
3 10-12
4 13-15

SPSS Syntax
RECODE age (5 thru 6=1) (7 thru 9=2) (10 thru 12=3) (13 thru 15=4) (ELSE=-1) INTO ag515g3.
VARIABLE LABEL ag515g3 "(D) Age 5-15: Approx 3 year age bands".
VALUE LABELS ag515g3
1 "5-6"
2 "7-9"
3 "10-12"
4 "13-15".
AG715G3: (D) Age 7-15: 3 year age bands
1 7-9
2 10-12
3 13-15

**SPSS Syntax**
RECODE age (7 thru 9=1) (10 thru 12=2) (13 thru 15=3) (ELSE=-1) INTO ag715g3.
VARIABLE LABEL ag715g3 "(D) Age 7-15: 3 year age bands".
VALUE LABELS ag715g3
  1 "7-9"
  2 "10-12"
  3 "13-15".

MARSTATC: Marital status including cohabitees
1 Single
2 Married
3 Civil partnership including spontaneous answers
4 Separated
5 Divorced
6 Widowed
7 Cohabitees

**SPSS Syntax**
COMPUTE marstatc=maritalb.
COUNT xxx=reltoh relto01 to relto12 (2).
IF xxx>0 marstatc=7.
VARIABLE LABEL marstatb "Marital status including cohabitees".
VALUE LABELS marstatb
  1 'Single'
  2 'Married'
  3 'Civil partnership including spontaneous answers'
  4 'Separated'
  5 'Divorced'
  6 'Widowed'
  7 'Cohabitees'.

Admin

INTDAYW: (D) Weekday of individual interview
1 Sunday
2 Monday
3 Tuesday
4 Wednesday
5 Thursday
6 Friday
7 Saturday

**SPSS Syntax**
COMPUTE intdayw=XDATE.WKDAY(DATE.DMY(dintb,mintb,yintb)).
VARIABLE LABELS intdayw "(D) Weekday of individual interview".
VALUE LABELS intdayw
  1 "Sunday"
  2 "Monday"
  3 "Tuesday"
  4 "Wednesday"
  5 "Thursday"
  6 "Friday"
  7 "Saturday".

Booklet Admin

BOOKLET: (D) Which self-completion filled out
1 Orange 8-12
2 Yellow 13-15
3 Blue Young Adults
4 Beige Adults
**SPSS Syntax**

```spss
COMPUTE booklet =0.
IF age>=8 and age<13 and screc=1 booklet=1.
IF age>=13 and age<16 and screc=1 booklet=2.
IF age>=16 and age<19 and screc=1 booklet=3.
IF age>=18 and age<25 and screc=1 & bookchk=2 booklet=3.
IF age>=18 and age<25 and screc=1 & bookchk=1 booklet=4.
IF age>=18 and age<25 and screc=1 & bookchk=1 booklet=4.
IF age>24 and screc=1 booklet=4.
IF age<8 or scmp=3 or screc=2 booklet=-1.
VARIABLE LABELS booklet "(D) Eligible for which self-completion booklet?".
VALUE LABELS booklet
-1 "Item not applicable"
1 "Orange 8-12"
2 "Yellow 13-15"
3 "Blue Young Adults"
4 "Beige Adults".
```

**Education**

**TOPQUAL2: (D) Highest Educational Qualification - students separate**

1. NVQ4/NVQ5/Degree or equiv
2. Higher ed below degree
3. NVQ3/GCE A Level equiv
4. NVQ2/GCE O Level equiv
5. NVQ1/CSE other grade equiv
6. Foreign/other
7. No qualification
8. FT Student

**TOPQUAL3: (D) Highest Educational Qualification**

1. NVQ4/NVQ5/Degree or equiv
2. Higher ed below degree
3. NVQ3/GCE A Level equiv
4. NVQ2/GCE O Level equiv
5. NVQ1/CSE other grade equiv
6. Foreign/other
7. No qualification

**SPSS Syntax**

```spss
COMPUTE topqual3=0.
IF (qual<0 | (qual=1 & quala01<0)) topqual3=quala01.
IF (qual<0 | (qual=1 & quala01<0)) topqual2=quala01.
VECTOR veduc=quala01 TO quala10.
LOOP xxI=1 TO 10.
IF (ANY(veduc(xxI),1,2,3,4,6) & ~RANGE(topqual3,1,2)) topqual3=2.
IF (ANY(veduc(xxI),5,7,9,10,11,25) & ~RANGE(topqual3,1,2)) topqual3=3.
IF (ANY(veduc(xxI),8,12,13,15,17,20,22,26) & ~RANGE(topqual3,1,3)) topqual3=4.
IF (ANY(veduc(xxI),14,16,18,21,27,28) & ~RANGE(topqual3,1,4)) topqual3=5.
IF (ANY(veduc(xxI),29,31) & ~RANGE(topqual3,1,5)) topqual3=6.
IF ((veduc(xxI)=19 | qual=2) & ~RANGE(topqual3,1,6)) topqual3=7.
END LOOP.
VARIABLE LABEL topqual3 "(D) Highest Educational Qualification".
VALUE LABELS topqual3
1 'NVQ4/NVQ5/Degree or equiv'
2 'Higher ed below degree'
3 'NVQ3/GCE A Level equiv'
4 'NVQ2/GCE O Level equiv'
5 'NVQ1/CSE other grade equiv'
6 'Foreign/other'
7 'No qualification'.
```

```spss
IF (topqual1>0) topqual2=topqual3.
IF (educend=1 | activb=1) topqual2=8.
VARIABLE LABEL topqual2 "(D) Highest Educational Qualification - "Students separate".
VALUE LABELS topqual2
1 'NVQ4/NVQ5/Degree or equiv'
2 'Higher ed below degree'
3 'NVQ3/GCE A Level equiv'
4 'NVQ2/GCE O Level equiv'
5 'NVQ1/CSE other grade equiv'
6 'Foreign/other'
7 'No qualification'
8 'FT Student'.
```
Employment Status

**SCHRPG7: (D) Social Class of HRP - I,II,IIIN,IIIM,IV,V,Others**
1. I - Professional
2. II- Managerial technical
3. IIIN - Skilled non-manual
4. IIIM - Skilled manual
5. IV - Semi-skilled manual
6. V - Unskilled manual
7. Others

**SCHRPG6: (D) Social Class of HRP - I,II,IIIN,IIIM,IV,V**
1. I - Professional
2. II- Managerial technical
3. IIIN - Skilled non-manual
4. IIIM - Skilled manual
5. IV - Semi-skilled manual
6. V - Unskilled manual

**SCHRPG4: (D) Social Class of HRP: I/II,IIINM,IIIM,IV/V**
1. I & II
2. IIINM
3. IIIM
4. IV & V

---

**SPSS Syntax**

```spss
COMPUTE schrp=hrpsoccl.
IF (HRPEVERJ=2) schrp=10.
IF (HRPACTIV=1 & HRPEVERJ=2) schrp=9.
IF (ANY(HRPACTIV, -8, -9)) schrp=HRPACTIV.
IF (ANY(HRPEVERJ, -8, -9)) schrp=HRPEVERJ.
VARIABLE LABEL schrp "(D) Social Class of HRP - Harmonised".
VALUE LABELS schrp
1 "I - Professional"
2 "II - Managerial technical"
3 "IIIN - Skilled non-manual"
4 "IIIM - Skilled manual"
5 "IV - Semi-skilled manual"
6 "V - Unskilled manual"
7 "Armed forces"
8 "Insufficient information"
9 "FT Students (if never worked)"
10 "All other never worked".

RECODE schrp (7 thru 10=7) (ELSE=COPY) INTO schrpg7.
VARIABLE LABEL schrpg7 "(D) Social Class of HRP - I,II,IIIN,IIIM,IV,V,Others".
VALUE LABELS schrpg7
1 "I - Professional"
2 "II - Managerial technical"
3 "IIIN - Skilled non-manual"
4 "IIIM - Skilled manual"
5 "IV - Semi-skilled manual"
6 "V - Unskilled manual"
7 "Others".

RECODE schrp (7 thru 10=1) (ELSE=COPY) INTO schrpg6.
VARIABLE LABEL schrpg6 "(D) Social Class of HRP - I,II,IIIN,IIIM,IV,V".
VALUE LABELS schrpg6
1 "I - Professional"
2 "II - Managerial technical"
3 "IIIN - Skilled non-manual"
4 "IIIM - Skilled manual"
5 "IV - Semi-skilled manual"
6 "V - Unskilled manual".
```
RECODE schrp (1 thru 2=1) (3=2) (4=3) (5 thru 6=4) (-9 thru -1=COPY) (ELSE=-1)
INTO schrpg4.

VARIABLE LABELS schrpg4 "(D) Social Class of HRP: I/II,IIINM,IIIM,IV/V".

VALUE LABELS schrpg4
1 "I & II"
2 "IIINM"
3 "IIIM"
4 "IV & V".

NSSEC8: (D) NS-SEC 8 Variable Classification (individual)
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 and long term unemployed
99 Other

NSSEC5: (D) NS-SEC 5 Variable Classification (individual)
1 Managerial and professional occupations
2 Intermediate occupations
3 Small employers and own account workers
4 Lower supervisory and technical occupations
5 Semi-routine occupations
99 Other

NSSEC3: (D) NS-SEC 3 Variable Classification (individual)
1 Managerial and professional occupations
2 Intermediate occupations
3 Routine and manual occupations
99 Other

SPSS Syntax

RECODE stnssec (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 thru 14.2=8) (15 thru 17=99) (else=copy) into nssec8.

VARIABLE LABEL nssec8 "(D) NS-SEC 8 variable classification (individual)".

VALUE LABEL 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 and long term unemployed"
99 "Other".

RECODE stnssec (1 thru 6=1) (7 thru 7.4=2) (8 thru 9.2=3) (10 thru 11.2=4) (12 thru 13.5=5) (14 thru 17=99) (else=copy) INTO nssec5.

VARIABLE LABEL nssec5 "(D) NS-SEC 5 variable classification (individual)".

VALUE LABEL nssec5
1 "Managerial and professional occupations"
2 "Intermediate occupations"
3 "Small employers and own account workers"
4 "Lower supervisory and technical occupations"
5 "Semi-routine occupations"
99 "Other".

RECODE stnssec (1 thru 6=1) (7 thru 9.2=2) (10 thru 13.5=3) (14 thru 17=99) (else=copy) INTO nssec3.

VARIABLE LABEL nssec3 "(D) NS-SEC 3 variable classification (individual)".

VALUE LABEL nssec3
1 "Managerial and professional occupations"
2 "Intermediate occupations"
3 "Routine and manual occupations"
99 "Other".

HPNSSEC8: (D) NS-SEC 8 Variable Classification (hrp)
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 and long term unemployed

HSE 2009 Derived Variables: Classification
HPNSSEC5: (D) NS-SEC 5 Variable Classification (hrp)
1 Managerial and professional occupations
2 Intermediate occupations
3 Small employers and own account workers
4 Lower supervisory and technical occupations
5 Semi-routine occupations
99 Other

HPNSSEC3: (D) NS-SEC 3 Variable Classification (hrp)
1 Managerial and professional occupations
2 Intermediate occupations
3 Routine and manual occupations
99 Other

SPSS Syntax
RECODE sthnssec (1 thru 3.4=1) (4 thru 6=2) (7 thru 9.2=3) (10 thru 11.2=4) (12 thru 13.5=5) (14 thru 17=99) (else=copy) INTO hpnssec8.
VARIABLE LABEL hpnssec8 "(D) NS-SEC 8 variable classification (hrp)".
VALUE LABEL hpnssec8
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 and long term unemployed"
99 "Other".

RECODE sthnssec (1 thru 6=1) (7 thru 9.2=2) (10 thru 13.5=3) (14 thru 17=99) (else=copy) INTO hpnssec5.
VARIABLE LABEL hpnssec5 "(D) NS-SEC 5 variable classification (hrp)".
VALUE LABEL hpnssec5
1 "Managerial and professional occupations"
2 "Intermediate occupations"
3 "Routine and manual occupations"
99 "Other".

RECODE sthnssec (1 thru 6=1) (7 thru 9.2=2) (10 thru 13.5=3) (14 thru 17=99) (else=copy) INTO hpnssec3.
VARIABLE LABEL hpnssec3 "(D) NS-SEC 3 variable classification (hrp)".
VALUE LABEL hpnssec3
1 "Managerial and professional occupations"
2 "Intermediate occupations"
3 "Routine and manual occupations"
99 "Other".

SCALLX: (D) Social Class of Indiv - Harmonised
1 I - Professional
2 II- Managerial technical
3 IIIN - Skilled non-manual
4 IIIM - Skilled manual
5 IV - Semi-skilled manual
6 V - Unskilled manual
7 Armed forces
8 Insufficient information
9 FT Students (if never worked)
10 All other never worked

SCALLXG2: (D) Social Class of Indiv - Harmonised non man / manual
1 Non manual
2 Manual

SPSS Syntax
COMPUTE scallx=sclass.
IF everjob=2 = 2 scallx=10.
IF (activb=1 & everjob=2) scallx=9.
IF (ANY(activb,-8,-9)) scallx=hrpactiv.
IF (age<16) scallx=-1.
VARIABLE LABEL scallx "(D) Social Class of Indiv - Harmonised".
VALUE LABELS scallx
1 "I - Professional"
2 II- Managerial technical"
3 "IIIN - Skilled non-manual"
4 "IIIM - Skilled manual"
5 "IV - Semi-skilled manual"
6 "V - Unskilled manual"
7 "Armed forces"
8 "Insufficient information"
9 "FT Students (if never worked)"
10 "All other never worked"

RECODE scallx (1 thru 3=1) (4 thru 6=2)(-9 thru -1=COPY)(ELSE=-1)
INTO scallxg2.
VARIABLE LABELS scallxg2 "(D) Soc Class of Indiv - Harmonised: Non-Man/Manual".
VALUE LABELS scallxg2
1 "Non-Manual"
2 "Manual"

ECONACT: (D) Economic Status (4 groups)
1 In employment
2 ILO unemployed
3 Retired
4 Other economically inactive

**SPSS Syntax**
recode activb(2,3,4=1)(9=3) (1,5,6,7,8,10,95=4)(-9,-8=copy) into econact.
if any(1,stwork,wkstrt2) econact=2.
if age<16 econact=-1.
if any(-9,activb,stwork,wkstrt2,wklook4) econact=-9.
if any(-8,activb,stwork,wkstrt2,wklook4) econact=-8.
variable labels econact "(D) Economic Status (4 groups)"
value labels econact
1 "In employment"
2 "ILO unemployed"
3 "Retired"
4 "Other economically inactive"

Income

TOTINC: (D) Total Household Income
1 <£520
2 £520<£1,600
3 £1,600<£2,600
4 £2,600<£3,600
5 £3,600<£5,200
6 £5,200<£7,800
7 £7,800<£10,400
8 £10,400<£13,000
9 £13,000<£15,600
10 £15,600<£18,200
11 £18,200<£20,800
12 £20,800<£23,400
13 £23,400<£26,000
14 £26,000<£28,600
15 £28,600<£31,200
16 £31,200<£33,800
17 £33,800<£36,400
18 £36,400<£41,600
19 £41,600<£46,800
20 £46,800<£52,000
21 £52,000<£60,000
22 £60,000<£70,000
23 £70,000<£80,000
24 £80,000<£90,000
25 £90,000<£100,000
26 £100,000<£110,000
27 £110,000<£120,000
28 £120,000<£130,000
29 £130,000<£140,000
30 £140,000<£150,000
31 £150,000+
96 Don’t know
97 Refused

**SPSS Syntax**
COMPUTE totinc=-1.
IF jntinc=-1 totinc=-1.
DO IF (jntinc>0).
    COMPUTE totinc=jntinc.
END IF.
DO IF (hhinc>jntinc).
    COMPUTE totinc=hhinc.
END IF.
VARIABLE LABELS totinc "(D) Total Household Income".
VALUE LABELS totinc
  1 '<£520'
  2 '£520<£1,600'
  3 '£1,600<£2,600'
  4 '£2,600<£3,600'
  5 '£3,600<£5,200'
  6 '£5,200<£7,800'
  7 '£7,800<£10,400'
  8 '£10,400<£13,000'
  9 '£13,000<£15,600'
 10 '£15,600<£18,200'
 11 '£18,200<£20,800'
 12 '£20,800<£23,400'
 13 '£23,400<£26,000'
 14 '£26,000<£28,600'
 15 '£28,600<£31,200'
 16 '£31,200<£33,800'
 17 '£33,800<£36,400'
 18 '£36,400<£41,600'
 19 '£41,600<£46,800'
 20 '£46,800<£52,000'
 21 '£52,000<£60,000'
 22 '£60,000<£70,000'
 23 '£70,000<£80,000'
 24 '£80,000<£90,000'
 25 '£90,000<£100,000'
 26 '£100,000<£110,000'
 27 '£110,000<£120,000'
 28 '£120,000<£130,000'
 29 '£130,000<£140,000'
 30 '£140,000<£150,000'
 31 '£150,000+'
 96 'Don't know'
 97 'Refused'.

MCCLEM: (D) McClements household score for equivalised income

EQVINC: (D) Equivalised Income

EQV5: (D) Equivalised Income Quintiles
  5 'Highest Quintile (>£41,864.41)'
  4 'Second highest Quintile (£26,787.88 <= £41,864.41)'
  3 'Middle Quintile (£16,900.00 <= £26,787.88)'
  2 'Second lowest Quintile (£10,655.74 <= £16,900.00)'
  1 'Lowest Quintile (<= £10,655.74)'.

EQV3: (D) Equivalised Income Tertiles
  3 'Highest Tertile (>£30,694.44)'
  2 'Middle Tertile (£14,918 - £30,694.44)'
  1 'Lowest Tertile (<= £14,879.52)'.

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.

**SPSS Syntax**

dataset close all.
GET FILE='F:\secure temp\HSE09\clean_hse09.sav'
/KEEP serialh jntinc hhinc.
SORT CASES BY serialh.
EXECUTE.
AGGREGATE OUTFILE='F:\secure temp\HSE09\hh09.sav'
/BREAK= serialh
/jointinc hholdinc = MEAN(jntinc hhinc).

** Use HHP data file adding activ to each record .
GET FILE='F:\secure temp\HSE09\clean_hhp09.sav'
/BREAK= serialh
/serialh hrpid adults infants persno relto01 to relto12 age.
SORT CASES seriali(A).
COUNT pmarry=relto01 to relto12(1).
COUNT ppart=relto01 to relto12(2).
compute relnship=pmarry+ppart.
SAVE OUTFILE='F:\secure temp\HSE09\mcxx09.sav'
/KEEP seriali serialh hrpid adults infants persno relnship age.
GET FILE='F:\secure temp\HSE09\clean_hse09.sav'
/SORT CASES seriali(A).
SAVE OUTFILE='F:\secure temp\HSE09\activ09.sav'.
MATCH FILES FILE='F:\secure temp\HSE09\mcxx09.sav'
/TABLE='F:\secure temp\HSE09\activ09.sav'
/BY seriali.
SAVE OUTFILE='F:\secure temp\HSE09\mcchhp09.sav'.

** Create variables for age/activ for each person no .
** Create all variables, default to 0.
GET FILE='F:\secure temp\HSE09\mcchhp09.sav'.
MISSING VALUES age ().
VECTOR mccage(12).
VECTOR mcactv(12).
LOOP xxi=1 TO 12.
DO IF (persno=xxi).
COMPUTE mccage(xxi)=age.
COMPUTE mcactv(xxi)=activb.
END IF.
END LOOP.
EXECUTE.

** Save HH file with appropriate vars .
SORT CASES BY serialh.
SAVE OUTFILE='F:\secure temp\HSE09\mchhp09x.sav'.

** Create Hrp file, save & merge .
GET FILE='F:\secure temp\HSE09\mchhp09x.sav'.
SELECT IF (hrpid=1).
SAVE OUTFILE='F:\secure temp\HSE09\mcchoh09.sav'
/KEEP= serialh adults relnship infants.

** Create 12 people files using a macro.
DEFINE mincfile ().
!DO !J=1 !TO 12.
!LET !vselect=!CONCAT(mccage,!J).
!LET !vvar=!CONCAT(mcactv,!J).
!LET !vfile=!QUOTE(!CONCAT("F:\secure temp\HSE09\p",!J,".sav"))
GET FILE='F:\secure temp\HSE09\mchhp09x.sav'.
SELECT IF (!vselect=-9 | !vselect>=0).
SAVE OUTFILE=!vfile /KEEP=serialh !vselect !vvar.
!DOEND.
!ENDDEFINE.
MINCFILE.

** Merge all files together by serialh & save .
MATCH FILES FILE='F:\secure temp\HSE09\hh09.sav'
/table='F:\secure temp\HSE09\mcchoh09.sav'
/table='F:\secure temp\HSE09\p1.sav'
/table='F:\secure temp\HSE09\p2.sav'
/table='F:\secure temp\HSE09\p3.sav'
/table='F:\secure temp\HSE09\p4.sav'
/table='F:\secure temp\HSE09\p5.sav'
/table='F:\secure temp\HSE09\p6.sav'
/table='F:\secure temp\HSE09\p7.sav'
/table='F:\secure temp\HSE09\p8.sav'
/table='F:\secure temp\HSE09\p9.sav'
/table='F:\secure temp\HSE09\p10.sav'
/table='F:\secure temp\HSE09\p11.sav'
/table='F:\secure temp\HSE09\p12.sav'
/KEEP seriahl hhholding jointinc adults relnship infants
mccage1 mccage2 mccage3 mccage4 mccage5 mccage6 mccage7 mccage8 mccage9 mccage10 mccage11 mccage12 mcactv1 mcactv2 mcactv3 mcactv4 mcactv5 mcactv6 mcactv7 mcactv8 mcactv9 mcactv10 mcactv11 mcactv12.

** Get file and initialise mcclem to zero .
GET FILE='F:\secure temp\HSE09\income09.sav'.
COMPUTE mcclem=0.

** Add scores for 16-18s, remove from adults .
VECTOR mccage=mccage1 TO mccage12.
VECTOR mcactv=mcactv1 TO mcactv12.
LOOP xxi=1 TO 12.
DO IF (RANGE(mccage1,16,18)).
DO IF (mcactv1=1).
COMPUTE mcclem=mcclem+(36/100).
IF (adults=1) adults=adults-1.
END IF.
END IF.
END LOOP.

** 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 (relationship=0&adults>1) mcclem=mcclem+(7/100).

** Add scores for children .
VECTOR mccagex=mccage1 TO mccage12.
LOOP xxj=1 TO 12.
IF (RANGE(mccagex(xxj),2,4)) mcclem=mcclem+(18/100).
IF (RANGE(mccagex(xxj),5,7)) mcclem=mcclem+(21/100).
IF (RANGE(mccagex(xxj),8,10)) mcclem=mcclem+(23/100).
IF (RANGE(mccagex(xxj),11,12)) mcclem=mcclem+(25/100).
IF (RANGE(mccagex(xxj),13,15)) mcclem=mcclem+(27/100).
END LOOP.
** Add scores for infants .
IF (infants>0) mcclem=mcclem+infants*(9/100).

** remove nonstated ages .
count age9=mccage1 to mccage12(-9).
count age8=mccage1 to mccage12(-8).
if age9>0 | age8>0 mcclem=-90.
VARIABLE LABEL mcclem "(D) McClements household score for equivalised income".
EXECUTE.

** Save File under new name .
FORMATS mcclem (F8.2).
COMPUTE midinc=-1.
DO IF (jointinc>0).
END IF.
DO IF (hholdinc>jointinc).
END IF.
COMPUTE eqv5=-1.
IF (midinc>0) eqv5=midinc/mcclem.
RECODE midinc (0 thru 6500=1) (6501 thru 11700=2) (11701 thru 19500=3) (19501 thru 29900=4) (29901 thru hi=5)(ELSE=-1) INTO mid5.
exe.
compute eqv5=-1.
IF (eqv5<>0 and eqv5<=10655.74) eqv5=1.
IF eqv5=16900.00 and eqv5=26787.88 eqv5=3.
IF eqv5=26787.88 and eqv5=41864.41 eqv5=4.
IF eqv5=41864.41 eqv5=5.
compute eqv5=-1.
VARIABLE LABEL eqv5 "(D) Equivalentised Income".
VARIABLE LABEL eqv5 "(D) Equivalentised Income Quintiles".
VALUE LABELS eqv5 -1 'Item not applicable'.
VALUE LABELS eqv5
-1 'Item not applicable'
5 'Highest Quintile (>£41,864.41)'
4 'Second highest Quintile (>£26,787.88 <=£41,864.41)'
3 'Middle Quintile (>£16,900.00 <=£26,787.88)'
2 'Second lowest Quintile (>£10,655.74 <=£16,900.00)'
1 'Lowest Quintile (<£10,655.74)'.
freq eqv5.
compute eqv3=-1.
IF eqv5<>0 and eqv5<=14879.52 eqv3=1.
IF eqv5=14879.52 and eqv5=30694.44 eqv3=2.
IF eqvinc>30694.44 eqv3=3.
IF eqvinc<0 eqv3=-1.
VARIABLE LABEL eqv3 "(D) Equivalised Income Tertiles".
VALUE LABELS eqv3 
   1 'Item not applicable'
   3 'Highest Tertile (>£30694.44)'
   2 'Middle Tertile (>£14918 - £30,694.44)'
   1 'Lowest Tertile (<=£14,879.52)'.
freq eqv3.

do if mcclem=-90.
compute eqvinc=-90.
compute eqv5=-90.
end if.
add value labels mcclem eqvinc eqv5
   -90 "Age of household member refused".
SAVE OUTFILE='F:\secure temp\HSE09\mcclem09.sav'
/KEEP serialh mcclem hhholdinc jointinc midinc eqvinc mid5 adults relnship infants
   mccage1 mccage2 mccage3 mccage4 mccage5 mccage6 mccage7 mccage8
   mccage9 mccage10 mccage11 mccage12 mccage12
   mcactv1 mcactv2 mcactv3 mcactv4 mcactv5 mcactv6 mcactv7
   mcactv8 mcactv9 mcactv10 mcactv11 mcactv12 mcactv12 eqv5.
SORT CASES serialh(A).
SAVE OUTFILE='F:\secure temp\HSE09\eqv09h.sav'
/KEEP serialh eqvinc mcclem eqv3 eqv3_temp eqv5 eqv5_temp.

**run quintiles on eqvinc (data hse2009) here then plug numbers and rerun two syntax above**.

** Merge back onto individual records.
GET FILE="F:\secure temp\HSE09\clean_hse09.sav".
SORT CASES serialh(A).
MATCH FILES
   /FILE=*nurse_admin.dat
   /TABLE='F:\secure temp\HSE09\eqv09h.sav'
   /BY serialh.
EXECUTE.
SAVE OUTFILE="F:\secure temp\HSE09\class1.sav".

---

Nurse Admin

NURDAYW: (D) Weekday of nurse interview

1  Sunday
2  Monday
3  Tuesday
4  Wednesday
5  Thursday
6  Friday
7  Saturday

SPSS Syntax

DO IF visday>0.
   COMPUTE nurdayw=XDATE.WKDAY(DATE.DMY(visday,vismon,visyr)).
ELSE.
   COMPUTE nurdayw=visday.
END IF.
VARIABLE LABELS nurdayw "(D) Weekday of nurse interview".
VALUE LABELS nurdayw 
   1 "Sunday"
   2 "Monday"
   3 "Tuesday"
   4 "Wednesday"
   5 "Thursday"
   6 "Friday"
   7 "Saturday".
Relationships

NATPR1: (D) Relationship of child to parent/legal guardian
NATPR2: (D) Relationship of child to other parent/legal guardian

1  Own natural child
2  Adopted child
3  Foster child
4  Step child
5  Grandchild
6  Brother/sister
7  Other relative

**SPSS Syntax**

```spss
DO IF ANY(PAR1,-1,97).
   COMPUTE NATPR1=-1.
END IF.
DO IF PAR1=1.
   RECODE RELTO01(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR1.
END IF.
DO IF PAR1=2.
   RECODE RELTO02(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR1.
END IF.
DO IF PAR1=3.
   RECODE RELTO03(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR1.
END IF.
DO IF PAR1=4.
   RECODE RELTO04(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR1.
END IF.
DO IF PAR1=5.
   RECODE RELTO05(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR1.
END IF.
DO IF PAR1=6.
   RECODE RELTO06(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR1.
END IF.
DO IF PAR1=7.
   RECODE RELTO07(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR1.
END IF.
DO IF PAR1=8.
   RECODE RELTO08(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR1.
END IF.
DO IF ANY(PAR2,-1,97).
   COMPUTE NATPR2=-1.
END IF.
DO IF PAR2=1.
   RECODE RELTO01(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR2.
END IF.
DO IF PAR2=2.
   RECODE RELTO02(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR2.
END IF.
DO IF PAR2=3.
   RECODE RELTO03(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR2.
END IF.
DO IF PAR2=4.
   RECODE RELTO04(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR2.
END IF.
DO IF PAR2=5.
   RECODE RELTO05(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR2.
END IF.
DO IF PAR2=6.
   RECODE RELTO06(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR2.
END IF.
DO IF PAR2=7.
   RECODE RELTO07(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR2.
END IF.
DO IF PAR2=8.
   RECODE RELTO08(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 THRU 18=6)(-9 THRU -1=COPY)(ELSE=7) INTO NATPR2.
END IF.

VARIABLE LABELS NATPR1 NATPR2 "(D) Relationship to parent or guardian".
VALUE LABELS NATPR1 NATPR2
1 "Own natural child"
2 "Adopted child"
3 "Foster child"
4 "Step child"
5 "Grandchild"
6 "Brother/sister"
7 "Other relative".
```

HSE 2009 Derived Variables: Classification
Sample Info

URBAN: (D) Degree of urbanisation
- 1 Urban
- 2 Town & fringe
- 3 Village, hamlet and isolated dwellings

**SPSS Syntax**

```spss
RECODE typarea (1 thru 2=1) (3 thru 5=3) (-8,-9=copy) INTO urban .
VARIABLE LABELS urban "(D) Degree of urbanisation".
VALUE LABELS urban 1 'Urban'
2 'Town and fringe'
3 'Village, hamlet and isolated dwellings'.
```

IMD2007: (D) Index of multiple deprivation (quintiles)
- 1 Least deprived (0.37 >= 8.32)
- 2 (>8.32 >= 13.74)
- 3 (>13.74 >= 21.22)
- 4 (>21.22 >= 34.42)
- 5 Most deprived (>34.42 - 85.46)

The Overall Index of Multiple Deprivation 2007 (IMD2007) is a composite index of relative deprivation at small area level, based on seven domains of deprivation: income; employment; health deprivation and disability; education, skills and training; barriers to housing and services; crime and disorder; and living environment. The method used in this report was to group the IMD2007 scores of all Super Output Areas in England into quintiles, ranked in ascending order of deprivation score (quintile 1 being least deprived). The postcode address of households in the 2009 survey was used to link to the Super Output Area of residence, and hence to the corresponding deprivation quintile. All individuals in each household were allocated to the deprivation quintile to which their household had been allocated.
Anthropometric Measurements

Height/Weight Admin

HTOK: (D) Whether height measure is valid
1 Valid
2 Not usable
3 Refused
4 Attempted but not obtained
5 Not attempted

WTOK: (D) Whether weight measure is valid
1 Valid
2 Not usable
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

Obtained readings are coded as valid initially and then reset to not usable if the interviewer has indicated that they are unreliable. In the syntax for BMIOK, each line takes precedence over the previous line, such that if HTOK=3 and WTOK=4, then BMIOK=4.

**SPSS Syntax**

```spss
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".

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 measure is valid".
VALUE LABELS wtok
1 "Valid"
2 "Not usable"
3 "Refused"
4 "Attempted but not obtained"
5 "Not attempted"
-90 "Pregnant".

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

HTVAL: (D) Valid height (cm)
WTVAL: (D) Valid weight (Kg) inc. estimated>130kg

WTVAL includes respondents whose estimated weight was over 130kg, which was the upper limit of the scales used by interviewers. The reason for including them, is that although their weight may not be accurate, excluding them would bias the analysis of weight and body mass index.

**SPSS Syntax**

```spss
COMPUTE htval=-1.
  IF htok=1 htval=height.
  VARIABLE LABEL htval "(D) Valid height (cm)".
COMPUTE wtval=-1.
  IF wtok=1 wtval=weight.
  IF range(estwt,130,500) & any(wtok,3,4,5) wtval=estwt.
  VARIABLE LABEL wtval "(D) Valid weight (Kg) inc. estimated>130kg".
```

BMI: (D) BMI - inc. unreliable measurements

**SPSS Syntax**

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

BMIVAL: (D) Valid BMI - inc. estimated>130kg

**SPSS Syntax**

```spss
COMPUTE bmival=-1.
  IF (bmiok=1) bmival=bmi.
  IF (range(estwt,130,500) & ANY(wtok,3,4,5) & htok=1)
    bmival=(estwt * 100 * 100)/(height * height).
  VARIABLE LABELS bmival "(D) Valid BMI - inc estimated>130kg".
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.
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".
```

The syntax recoding BMIVAL to BMIVG5 works such that a value of 25 will be coded as 2, as this is the first place that it appears, and will be overwritten to 3 by the subsequent condition on recode statement. Using this method avoids the danger of freak values falling between values such as between 24.99 and 25.00.

**SPSS Syntax**

```spss
COMPUTE bmival=-1.
  IF (bmiok=1) bmival=bmi.
  IF (range(estwt,130,500) & ANY(wtok,3,4,5) & htok=1)
    bmival=(estwt * 100 * 100)/(height * height).
  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.
  VALUE LABELS bmivg5 "(D) 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".
  IF age<16 bmivg5=-1.
```

BMICAT1: (D) UK bmival national classification standards (85th/95th centile) - children'

1 Normal weight
2 Overweight
3 Obese
BMICAT2: (D) Children's BMI status (overweight incl. obese)
1. Neither overweight nor obese
2. Overweight incl. obese

BMICAT3: (D) Children's BMI status (non-obese vs obese)
1. Non-obese
2. Obese

**SPSS Syntax**

```spss
COMPUTE intexage=0.
if age<2 or age>=16 intexage=-1.
IF bmiok<>1 intexage=-1.
COMPUTE idate = DATE.DMY(dintb,mintb,yintb) .
IF (dobdate>0) intexage=((idate-dobdate)/(86400*365.25)) .
IF (age=2 and intexage<2) and dintb=dobday and mintb=dobmon intexage=2.
VARIABLE LABELS intexage "(D) Exact age at interview".

**********OBESITY/OVERWEIGHT USING 85th/95th centiles**********.
compute bmicat1=9.
IF sex=1 AND (intexage>=2 AND intexage<2.50) AND bmival<18.12 bmicat1=1.
IF sex=2 AND (intexage>=2 AND intexage<2.50) AND bmival<17.83 bmicat1=1.
IF sex=1 AND (intexage>=2.50 AND intexage<3) AND bmival<17.80 bmicat1=1.
IF sex=2 AND (intexage>=2.50 AND intexage<3) AND bmival<17.55 bmicat1=1.
IF sex=1 AND (intexage>=3 AND intexage<3.50) AND bmival<17.55 bmicat1=1.
IF sex=2 AND (intexage>=3 AND intexage<3.50) AND bmival<17.39 bmicat1=1.
IF sex=1 AND (intexage>=3.50 AND intexage<4) AND bmival<17.32 bmicat1=1.
IF sex=2 AND (intexage>=3.50 AND intexage<4) AND bmival<17.29 bmicat1=1.
IF sex=1 AND (intexage>=4 AND intexage<4.50) AND bmival<17.13 bmicat1=1.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND bmival<17.23 bmicat1=1.
IF sex=1 AND (intexage>=4 AND intexage<4.50) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND bmival<17.17 bmicat1=1.
IF sex=1 AND (intexage>=4.50 AND intexage<5) AND bmival<16.96 bmicat1=1.
IF sex=2 AND (intexage>=4.50 AND intexage<5) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=5 AND intexage<5.50) AND bmival<16.96 bmicat1=1.
IF sex=2 AND (intexage>=5 AND intexage<5.50) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=5.50 AND intexage<6) AND bmival<16.96 bmicat1=1.
IF sex=2 AND (intexage>=5.50 AND intexage<6) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=6 AND intexage<6.50) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=6 AND intexage<6.50) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=6.50 AND intexage<7) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=6.50 AND intexage<7) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=7 AND intexage<7.50) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=7 AND intexage<7.50) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=7.50 AND intexage<8) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=8 AND intexage<8.50) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=8 AND intexage<8.50) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=9 AND intexage<9.50) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=9 AND intexage<9.50) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=9.50 AND intexage<10) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=9.50 AND intexage<10) AND bmival<17.01 bmicat1=1.
IF sex=1 AND (intexage>=10 AND intexage<10.50) AND bmival<18.64 bmicat1=1.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND bmival<19.49 bmicat1=1.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND bmival<18.64 bmicat1=1.
IF sex=2 AND (intexage>=10.50 AND intexage<11) AND bmival<19.49 bmicat1=1.
IF sex=1 AND (intexage>=11 AND intexage<11.50) AND bmival<19.26 bmicat1=1.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND bmival<20.22 bmicat1=1.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND bmival<19.59 bmicat1=1.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND bmival<20.60 bmicat1=1.
IF sex=1 AND (intexage>=12 AND intexage<12.50) AND bmival<19.93 bmicat1=1.
IF sex=2 AND (intexage>=12 AND intexage<12.50) AND bmival<20.98 bmicat1=1.
IF sex=1 AND (intexage>=12.50 AND intexage<13) AND bmival<20.29 bmicat1=1.
IF sex=2 AND (intexage>=12.50 AND intexage<13) AND bmival<21.37 bmicat1=1.
IF sex=1 AND (intexage>=13 AND intexage<13.50) AND bmival<20.65 bmicat1=1.
IF sex=2 AND (intexage>=13 AND intexage<13.50) AND bmival<21.74 bmicat1=1.
IF sex=1 AND (intexage>=13.50 AND intexage<14) AND bmival<21.02 bmicat1=1.
IF sex=2 AND (intexage>=13.50 AND intexage<14) AND bmival<22.10 bmicat1=1.
IF sex=1 AND (intexage>=14 AND intexage<14.50) AND bmival<21.39 bmicat1=1.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND bmival<22.45 bmicat1=1.
IF sex=1 AND (intexage>=14.50 AND intexage<15) AND bmival<21.76 bmicat1=1.
```

HSE 2009 Derived Variables: Anthropometric measurements
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND bmival<22.77 bmi cat1=1.
IF sex=1 AND (intexage>=15 AND intexage<15.50) AND bmi val<22.12 bmi cat1=1.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND bmi val<23.08 bmi cat1=1.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND bmi val<22.48 bmi cat1=1.
IF sex=2 AND (intexage>=15.50 AND intexage<16) AND bmi val<23.35 bmi cat1=1.
IF sex=1 AND (intexage>=15 AND intexage<15.50) AND bmi val<19.10 bmi cat1=3.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND bmi val<18.84 bmi cat1=3.
IF sex=1 AND (intexage>=15 AND intexage<15.50) AND bmi val<18.77 bmi cat1=3.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND bmi val<18.56 bmi cat1=3.
IF sex=1 AND (intexage>=15 AND intexage<15.50) AND bmi val<18.51 bmi cat1=3.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND bmi val<18.42 bmi cat1=3.
IF sex=1 AND (intexage>=3.50 AND intexage<4) AND (bmival>=18.27) bmicat1=3.
IF sex=2 AND (intexage>=3.50 AND intexage<4) AND (bmival>=18.35) bmicat1=3.
IF sex=1 AND (intexage>=4 AND intexage<4.50) AND (bmival>=18.08) bmicat1=3.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND (bmival>=18.32) bmicat1=3.
IF sex=1 AND (intexage>=4.50 AND intexage<5) AND (bmival>=17.97) bmicat1=3.
IF sex=2 AND (intexage>=4.50 AND intexage<5) AND (bmival>=18.31) bmicat1=3.
IF sex=1 AND (intexage>=5 AND intexage<5.50) AND (bmival>=17.99) bmicat1=3.
IF sex=2 AND (intexage>=5 AND intexage<5.50) AND (bmival>=18.31) bmicat1=3.
IF sex=1 AND (intexage>=5.50 AND intexage<6) AND (bmival>=17.99) bmicat1=3.
IF sex=2 AND (intexage>=5.50 AND intexage<6) AND (bmival>=18.46) bmicat1=3.
IF sex=1 AND (intexage>=6 AND intexage<6.50) AND (bmival>=18.10) bmicat1=3.
IF sex=2 AND (intexage>=6 AND intexage<6.50) AND (bmival>=18.65) bmicat1=3.
IF sex=1 AND (intexage>=6.50 AND intexage<7) AND (bmival>=18.26) bmicat1=3.
IF sex=2 AND (intexage>=6.50 AND intexage<7) AND (bmival>=18.91) bmicat1=3.
IF sex=1 AND (intexage>=7 AND intexage<7.50) AND (bmival>=18.48) bmicat1=3.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND (bmival>=19.22) bmicat1=3.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND (bmival>=18.74) bmicat1=3.
IF sex=2 AND (intexage>=7.50 AND intexage<8) AND (bmival>=19.56) bmicat1=3.
IF sex=1 AND (intexage>=8 AND intexage<8.50) AND (bmival>=19.04) bmicat1=3.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND (bmival>=19.93) bmicat1=3.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND (bmival>=19.36) bmicat1=3.
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND (bmival>=20.30) bmicat1=3.
IF sex=1 AND (intexage>=9 AND intexage<9.50) AND (bmival>=19.70) bmicat1=3.
IF sex=2 AND (intexage>=9 AND intexage<9.50) AND (bmival>=20.70) bmicat1=3.
IF sex=1 AND (intexage>=9.50 AND intexage<10) AND (bmival>=20.05) bmicat1=3.
IF sex=2 AND (intexage>=9.50 AND intexage<10) AND (bmival>=21.10) bmicat1=3.
IF sex=1 AND (intexage>=10 AND intexage<10.50) AND (bmival>=20.42) bmicat1=3.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND (bmival>=21.52) bmicat1=3.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND (bmival>=20.79) bmicat1=3.
IF sex=2 AND (intexage>=10.50 AND intexage<11) AND (bmival>=21.94) bmicat1=3.
IF sex=1 AND (intexage>=11 AND intexage<11.50) AND (bmival>=21.18) bmicat1=3.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND (bmival>=22.36) bmicat1=3.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND (bmival>=21.57) bmicat1=3.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND (bmival>=22.80) bmicat1=3.
IF sex=1 AND (intexage>=12 AND intexage<12.50) AND (bmival>=21.96) bmicat1=3.
IF sex=2 AND (intexage>=12 AND intexage<12.50) AND (bmival>=23.22) bmicat1=3.
IF sex=1 AND (intexage>=12.50 AND intexage<13) AND (bmival>=22.36) bmicat1=3.
IF sex=2 AND (intexage>=12.50 AND intexage<13) AND (bmival>=23.65) bmicat1=3.
IF sex=1 AND (intexage>=13 AND intexage<13.50) AND (bmival>=22.77) bmicat1=3.
IF sex=2 AND (intexage>=13 AND intexage<13.50) AND (bmival>=24.06) bmicat1=3.
IF sex=1 AND (intexage>=13.50 AND intexage<14) AND (bmival>=23.17) bmicat1=3.
IF sex=2 AND (intexage>=13.50 AND intexage<14) AND (bmival>=24.45) bmicat1=3.
IF sex=1 AND (intexage>=14 AND intexage<14.50) AND (bmival>=23.58) bmicat1=3.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND (bmival>=24.82) bmicat1=3.
IF sex=1 AND (intexage>=14.50 AND intexage<15) AND (bmival>=23.97) bmicat1=3.
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND (bmival>=25.16) bmicat1=3.
IF sex=1 AND (intexage>=15 AND intexage<15.50) AND (bmival>=24.36) bmicat1=3.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND (bmival>=25.49) bmicat1=3.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND (bmival>=24.74) bmicat1=3.
IF sex=2 AND (intexage>=15.50 AND intexage<16) AND (bmival>=25.78) bmicat1=3.
IF bmiok<>1 bmicat1=-1.
if age<2 or age>16 bmicat1=-1.
VAR LAB bmicat1 '(D) BMI standards (85th/95th centile) updated 08'.
value labels bmicat1
1 'Normal-weight'
2 'Over-weight'
3 'Obese'.
ex.
RECODE bmicat1 (1=1) (2 thru 3=2)(else=copy) INTO bmicat2.
VAR LAB bmicat2 '(D) BMI status (ovrght incl. obese)'.
VAL LAB bmicat2
1 'Neither overweight nor obese'
2 'Overweight incl. obese'.
RECODE bmicat1 (1 thru 2=1) (3=2)(else=copy) INTO bmicat3.
VAR LAB bmicat3 '(D) BMI status (non-obese vs obese)'.
VAL LAB bmicat3
1 'Non-obese'
2 'Obese'.
ex.
WSTVAL: (D) Valid Mean Waist (cm)
HIPVAL: (D) Valid Mean Hip (cm)
WHVAL: (D) Valid Mean Waist/Hip ratio

**SPSS Syntax**

```spss
COMPUTE wstval=-1.
IF wstok=1 wstval=(waist1+waist2)/2.
IF wstok=2 wstval=(waist1+waist3)/2.
IF wstok=3 wstval=(waist2+waist3)/2.
IF wstok=4 wstval=(waist1+waist2+waist3)/3.
VARIABLE LABEL wstval "(D) Valid Mean Waist (cm)".

COMPUTE hipval=-1.
IF hipok=1 hipval=(hip1+hip2)/2.
IF hipok=2 hipval=(hip1+hip3)/2.
IF hipok=3 hipval=(hip2+hip3)/2.
IF hipok=4 hipval=(hip1+hip2+hip3)/3.
VARIABLE LABEL hipval "(D) Valid Mean Hip (cm)".

COMPUTE whval=-1.
IF whok=1 whval=wstval/hipval.
VARIABLE LABEL whval "(D) Valid Mean Waist/Hip ratio".
```

MENWHGP: (D) Male waist-hip ratio (grouped)

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

1  Less than 0.95
2  0.95 or more

**SPSS Syntax**

```spss
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.
RECODE menwhgp (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into menwhhi.
VAR LAB menwhgp '(D) Male waist hip ratio groups'.
VAR LAB menwhhi '(D) Male high waist hip ratio'.
```

WOMWHGP: (D) Female waist-hip ratio (grouped)

1  Less than 0.70
2  0.70, less than 0.75
3  0.75, less than 0.80
4  0.90, 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

1  Less than 0.85
2  0.85 or more
-90  Pregnant

**SPSS Syntax**

```spss
```

HSE 2009 Derived Variables: Anthropometric measurements 28
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.
recode womwhgp (1 thru 4=1) (5,6=2) (-99 thru -1=copy) into womwhhi.
VAR LAB womwhgp ' (D) Male waist hip ratio groups'.
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'.
VAR LAB womwhhi ' (D) Male high waist hip ratio'.
VAL LAB womwhhi
1 'Less than 0.85'
2 '0.85 or more'
-90 'Pregnant'.
end if.
if sex=1 womwhgp=-1.
if sex=1 womwhhi=-1.
if age<=15 womwhgp=-1.
if age<=15 womwhhi=-1
Waist and Hip Admin

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

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

WHOKB: (D) Whether waist/hip measurements are valid
1 Valid
2 Waist/Hip not usable
3 Waist/Hip partial response
4 Waist/Hip refused
5 Waist/Hip not attempted
-90 Pregnant

Obtained readings are coded as valid initially and then reset to not usable if the interviewer has indicated that they are unreliable. In the syntax for WHOKB, each line takes precedence over the previous line, such that if WSTOKB=7 and HIPOKB=8, then WHOKB=4

SPSS Syntax
RECODE respwh (1=1)(2=7)(3=8)(4=9)(-6,-2,-1=copy) into wstokb.
COMPUTE xxwst12=abs(waist1-waist2).
COMPUTE xxwst13=abs(waist1-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 LABELS wstokb 
"(D) Whether waist measurements are valid".

VALUE LABELS 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".

RECODE respwh (1=1)(2=7)(3=8)(4=9) (-6,-2,-1=COPY) INTO hipokb.

COMPUTE xxhip12=abs(hip1-hip2).
COMPUTE xxhip13=abs(hip1-hip3).
COMPUTE xxhip23=abs(hip2-hip3).
IF respwh=1 & xxhip12<=3 & any(hjrel,1,2,3) hipokb=1.
DO IF respwh=1 & xxhip12>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".

RECODE wstokb(-6,-2,-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 hipok=-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".
Blood Pressure

Admin

BPRESPC: (D) Whether BP readings are valid
1 Valid BP measurement
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, not obtained, not attempted

SPSS Syntax
RECODE resbps (1=1)(2,3=4)(4,5,6=6)(-9 thru -1=COPY) into bprespc.
IF ANY(full1,2,-8,-9) | ANY(full2,2,-8,-9) | ANY(full3,2,-8,-9) bprespc=4.
IF (resbps = 1 & ANY(1,consbx11,consbx12,consbx13,consbx14)) bprespc= 2.
IF (resbps = 1 & ANY(-9, consbx11,consbx12,consbx13,consbx14)) bprespc= 3.
IF (resbps = 1 & ANY(1,consbx21,consbx22)) bprespc= 2.
IF (resbps = 1 & ANY(-9,consbx21,consbx22)) bprespc= 3.
IF (pregntj = 1) bprespc = 5.
VARIABLE LABEL bprespc "(D) Whether BP readings are valid".
VALUE LABELS bprespc 1 'Valid blood pressure measurement'
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

In 2003 blood pressure equipment was changed from Diamap to Omron. Blood pressure variables have been derived initially using the Omron measurements then a calibration factor was used to convert readings to a Dianmap equivalent. The variables therefore have an OM or DI suffix to denote the different measurements.

HYPER1OM: (D) Hypertensive categories: all prescribed drugs for BP (Omron readings)
HYPER2OM: (D) Hypertensive categories: all taking BP drugs (Omron readings)
HY140OM: (D) Hypertensive categories: 140/90: all prescribed drugs for BP (Omron readings)
HYPER1DI: (D) Hypertensive categories: all prescribed drugs for BP (Dinamap readings)
HYPER2DI: (D) Hypertensive categories: all taking BP drugs (Dinamap readings)
HY140DI: (D) Hypertensive categories: 140/90: all prescribed drugs for BP (Dinamap readings)

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

HYPER1 considers people as being 'treated' only if they have been prescribed a drug specifically to reduce blood pressure, whereas HYPER2 categorises people as ‘treated’ if they are taking any drug that lowers blood pressure regardless of the reason that it has been prescribed. The syntax uses variables derived in the General Health section under Prescribed Medication: Drugs affecting blood analytes.

SPSS Syntax
RECODE bprespc (2 thru 5,-1=-1)(-6,-2=COPY)(6=-7) INTO hyper1om.
DO IF bprespc=1.
IF ANY(bpmesso,0,-1) & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)
hyper1om=1.
IF bpmesso=1 & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)
hyper1om=2.
IF bpmesso=1 & (omsyst>=160 | omdiast>=95) hyper1om=3.
END IF.
IF (bpmesso = -9) hyper1om = -9.
RECODE hyper1om (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibp1om.
VARIABLE LABELS hyper1om "(D) Hypertensive categories: all prescribed drugs for BP (Omron readings)"
.VALUE LABELS hyper1om
1 'Normotensive untreated'
2 'Normotensive treated'
3 'Hypertensive treated'
4 'Hypertensive untreated'
-7 'Refused, attempted but not obtained, not attempted'.

VARIABLE LABELS hibp1om "(D) Whether hypertensive: all prescribed drugs for BP (Omron readings)".
VALUE LABELS hibp1om  
0 'Not high BP'
1 'High BP'
-7 'Refused, attempted but not obtained, not attempted'.

RECODE bprespc (2 thru 5,-1=-1) (-6,-2=抄) (6=-7) INTO hyper2om.
DO IF bprespc=1.
IF ANY(bpmedc,0,-1) & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)  
hyper2om=1.
IF bprespc=1 & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)  
hyper2om=2.
IF bprespc=1 & (omsyst>=160 | omdiast>=95) hyper2om=3.
IF ANY(bpmedc,0,1) & (omsyst>=160 | omdiast>=95) hyper2om=4.
END IF.
IF (bpmedc = -9) hyper2om = -9 .

VARIABLE LABELS hyper2om "(D) Hypertensive categories: all taking BP drugs (Omron readings)".

VALUE LABELS hyper2om  
1 'Normotensive untreated'
2 'Normotensive treated'
3 'Hypertensive treated'
4 'Hypertensive untreated'
-7 'Refused, attempted but not obtained, not attempted'.

RECODE bprespc(2 thru 5,-1=-1) (-6,-2=抄)(6=-7) INTO hy140om.
DO IF bprespc=1.
IF ANY(bpmedd,0,-1) & RANGE(omsyst,0,139.999) & RANGE(omdiast,0,89.999)  
hy140om=1.
IF bpmedd=1 & RANGE(omsyst,0,139.999) & RANGE(omdiast,0,89.999)  
hy140om=2.
IF bpmedd=1 & (omsyst>=140 | omdiast>=90) hy140om=3.
IF ANY(bpmedd,0,1) & (omsyst>=140 | omdiast>=90) hy140om=4.
END IF.

VARIABLE LABELS hy140om "(D) Hypertensive categories:140/90: all prescribed drugs for BP (Omron readings)".

VALUE LABELS hy140om  
1 'Normotensive untreated'
2 'Normotensive treated'
3 'Hypertensive treated'
4 'Hypertensive untreated'
-7 'Refused, attempted but not obtained, not attempted'.

RECODE bprespc (2 thru 5,-1=-1) (-6,-2=抄)(6=-7) INTO hyper1di.
DO IF bprespc=1.
IF ANY(bpmedd,0,-1) & RANGE(dinasyst,0,159.999) & RANGE(dinadias,0,94.999)  
hyper1di=1.
IF bpmedd=1 & RANGE(dinasyst,0,159.999) & RANGE(dinadias,0,94.999)  
hyper1di=2.
IF bpmedd=1 & (dinasyst>=160 | dinadias>=95) hyper1di=3.
IF ANY(bpmedd,0,1) & (dinasyst>=160 | dinadias>=95) hyper1di=4.
END IF.
IF (bpmedd = -9) hyper1di = -9 .

VARIABLE LABELS hyper1di "(D) Hypertensive categories: all prescribed drugs for BP (Dianmap readings)".

VALUE LABELS hyper1di  
1 'Normotensive untreated'
2 'Normotensive treated'
3 'Hypertensive treated'
4 'Hypertensive untreated'
-7 'Refused, attempted but not obtained, not attempted'.

RECODE bprespc (2 thru 5,-1=-1) (-6,-2=抄)(6=-7) INTO hyper2di.
DO IF bprespc=1.
IF ANY(bpmedc,0,-1) & RANGE(dinasyst,0,159.999) & RANGE(dinadias,0,94.999)  
hyper2di=1.
IF bpmedc=1 & RANGE(dinasyst,0,159.999) & RANGE(dinadias,0,94.999)  
hyper2di=2.
IF bpmedc=1 & (dinasyst>=160 | dinadias>=95) hyper2di=3.
IF ANY(bpmedc,0,1) & (dinasyst>=160 | dinadias>=95) hyper2di=4.
END IF.
IF (bpmedc = -9) hyper2di = -9 .

VARIABLE LABELS hyper2di "(D) Hypertensive categories: all taking BP drugs (Dianmap readings)".

VALUE LABELS hyper2di  
1 'Normotensive untreated'
2 'Normotensive treated'
3 'Hypertensive treated'
4 'Hypertensive untreated'
-7 'Refused, attempted but not obtained, not attempted'.
RECODE bprespc(2 thru 5,-1=-1)(-6,-2=COPY)(6=-7) INTO hy140di.
DO IF bprespc=1.
  IF ANY(bpmedd,0,-1) & RANGE(dinasyst,0,139.999) & RANGE(dinadias,0,89.999) 
    hy140di=1.
  IF bpmedd=1 & RANGE(dinasyst,0,139.999) & RANGE(dinadias,0,89.999) 
    hy140di=2.
  IF bpmedd=1 & (dinasyst>=140 | dinadias>=90) hy140di=3.
  IF ANY(bpmedd,0,-1) & (dinasyst>=140 | dinadias>=90) hy140di=4.
END IF.
VARIABLE LABELS hy140di "(D) Hypertensive categories:140/90: all prescribed drugs for BP (Dinamap readings)" .
VALUE LABELS hy140di  
  1 'Normotensive untreated'  
  2 'Normotensive treated'  
  3 'Hypertensive treated'  
  4 'Hypertensive untreated'  
  -7 'Refused, attempted but not obtained, not attempted'.

HIBP1OM: (D) Whether hypertensive: all prescribed drugs for BP (Omron readings)
HIBP2OM: (D) Whether hypertensive: all taking BP drugs (Omron readings)
HBP140OM: (D) Whether hypertensive:140/90: all prescribed drugs for BP (Omron readings)
HIBP1DI: (D) Whether hypertensive: all prescribed drugs for BP (Dinamap readings)
HIBP2DI: (D) Whether hypertensive: all taking BP drugs (Dinamap readings)
HBP140DI: (D) Whether hypertensive:140/90: all prescribed drugs for BP (Dinamap readings)

0  Not high BP
1  High BP

HIGHBP1 corresponds to HYPER1, whereas HIGHBP2 corresponds to HYPER2. The class of people who would be assigned to different categories are those who are taking drugs which lower blood pressure, but have not been prescribed the drugs specifically to lower their blood pressure and who have a normotensive blood pressure reading. These people would be recorded as having high blood pressure in HIGHBP2, but not high blood pressure in HIGHBP1.

**SPSS Syntax**

RECODE hyper1om (lo thru -1=COPY) (1=0) (2,3,4=1) INTO hibp1om.
VARIABLE LABELS hibp1om "(D) Whether hypertensive: all prescribed drugs for BP (Omron readings)".
VALUE LABELS hibp1om  
  0 'Not high BP'  
  1 'High BP'.
  -7 'Refused, attempted but not obtained, not attempted'.

RECODE hyper2om (lo thru -1=COPY) (1=0) (2,3,4=1) INTO hibp2om.
VARIABLE LABELS hibp2om "(D) Whether hypertensive: all taking BP drugs (Omron readings)".
VALUE LABELS hibp2om  
  0 'Not high BP'  
  1 'High BP'.
  -7 'Refused, attempted but not obtained, not attempted'.

RECODE hyl140om (lo thru -1=COPY) (1=0) (2,3,4=1) INTO hibp140om.
VARIABLE LABELS hibp140om "(D) Whether hypertensive:140/90: all prescribed drugs for BP (Omron readings)".
VALUE LABELS hibp140om  
  0 'Not high BP'  
  1 'High BP'.
  -7 'Refused, attempted but not obtained, not attempted'.

RECODE hyper1di (lo thru -1=COPY) (1=0) (2,3,4=1) INTO hibp1di.
VARIABLE LABELS hibp1di "(D) Whether hypertensive: all prescribed drugs for BP (Dinamap readings)".
VALUE LABELS hibp1di  
  0 'Not high BP'  
  1 'High BP'.
  -7 'Refused, attempted but not obtained, not attempted'.

RECODE hyper2di (lo thru -1=COPY) (1=0) (2,3,4=1) INTO hibp2di.
VARIABLE LABELS hibp2di "(D) Whether hypertensive: all taking BP drugs (Dinamap readings)".
VALUE LABELS hibp2di  
  0 'Not high BP'  
  1 'High BP'.
  -7 'Refused, attempted but not obtained, not attempted'.

RECODE hyl140di (lo thru -1=COPY) (1=0) (2,3,4=1) INTO hibp140di.
VARIABLE LABELS hibp140di "(D) Whether hypertensive:140/90: all prescribed drugs for BP (Dinamap readings)".
VALUE LABELS hibp140di  
  0 'Not high BP'  
  1 'High BP'.
  -7 'Refused, attempted but not obtained, not attempted'.
SPSS Syntax
DO REPEAT ommeas = omdiast omsyst ommap ompuls.
RECODE respbps (lo thru 0=COPY)(4 thru 6=-7)(2 thru 3=-9) INTO ommeas.
END REPEAT.
DO IF (respspc = 1).
COMPUTE omdiast = (dias2om + dias3om)/2.
COMPUTE omsyst = (sys2om + sys3om)/2.
COMPUTE ommap = (map2om + map3om)/2.
COMPUTE ompuls = omsyst-omdiast.
END IF.
VARIABLE LABELS omdiast "(D) Omron Diastolic BP (mean 2nd/3rd) inc. invalid".
VARIABLE LABELS omsyst "(D) Omron Systolic BP (mean 2nd/3rd) inc. invalid".
VARIABLE LABELS ommap "(D) Omron Mean arterial pressure (mean 2nd/3rd) inc. invalid".
VARIABLE LABELS ompuls "(D) Omron Pulse pressure, systolic-diastolic inc. invalid".
VALUE LABELS ompuls -7 'Refused, attempted but not obtained, not attempted'.
DO REPEAT dimeas = dinadias dinasyst dinamap dinapuls.
RECODE respbps (lo thru 0=COPY)(4 thru 6=-7)(2 thru 3=-9) INTO dimeas.
END REPEAT.
DO IF (respspc = 1).
COMPUTE dinadias = (dias2om + dias3om)/2.
COMPUTE dinasyst = (sys2om + sys3om)/2.
COMPUTE dinamap = (map2om + map3om)/2.
COMPUTE dinapuls = omsyst-dinadias.
END IF.
VARIABLE LABELS dinadias "(D) Dinamap Diastolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)
DINASYST: (D) Dinamap Systolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)
DO IF respbps = 1 & age>=16.
compute dinasyst=(omsyst*0.88)+18.56.
compute dinadias=(omdiast*0.89)+6.8.
compute dinamap=ommap.
compute dinapuls=dinasyst-dinadias.
end if.
DO IF respbps = 1 & age<16 & sex=1.
compute dinasyst=(omsyst*1.025).
compute dinadias=(omdiast*0.934).
compute dinamap=ommap.
compute dinapuls=dinasyst-dinadias.
end if.
DO IF respbps = 1 & age<16 & sex=2.
compute dinasyst=(omsyst*1.040).
compute dinadias=(omdiast*0.915).
compute dinamap=ommap.
compute dinapuls=dinasyst-dinadias.
end if.
VARIABLE LABELS dinadias "(D) Dinamap Diastolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)".
VARIABLE LABELS dinasyst "(D) Dinamap Systolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)".
VARIABLE LABELS dinamap "(D) Dinamap Mean arterial pressure (mean 2nd/3rd) inc. invalid (converted from Omron)".
VARIABLE LABELS dinapuls "(D) Dinamap Pulse pressure, systolic-diastolic inc. invalid (converted from Omron)".
VALUE LABELS dinapuls -7 'Refused, attempted but not obtained, not attempted (converted from Omron)'.

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Drinking

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**

```spss
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".
```

Adults 7 Days

D7UNITWG: (D) NEW Units drunk on heaviest day in last 7
D7UNITWGRP: (D) NEW Units drunk on heaviest day in last 7 (grouped)

1  <2 units
2  2<3 units
3  3<4 units
4  4<5 units
5  5<6 units
6  6<8 units
7  8+ units

**SPSS Syntax**

```spss
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*3.
IF (nberqpt7>0) d7unitwg=d7unitwg+nberqpt7*4.
IF (sberqhp7>0) d7unitwg=d7unitwg+sberqhp7*2.
IF (sberqsm7>0) d7unitwg=d7unitwg+sberqsm7*2.
IF (sberqlg7>0) d7unitwg=d7unitwg+sberqlg7*3.
IF (sberqbt7>0) d7unitwg=d7unitwg+sberqbt7*4.
IF (sberqpt7>0) d7unitwg=d7unitwg+sberqpt7*5.
IF (spirqme7>0) d7unitwg=d7unitwg+spirqme7.
IF (sherqgs7) 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 (wl7bt>0) d7unitwg=d7unitwg+wl7bt*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.
```

1 Please note that in 2007 new questions were added asking which glass size was used when wine was consumed. Therefore the post HSE 2007 unit calculations are not directly comparable to previous years’ data.
IF ANY(-6,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7,
sberqhp7,sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
wgl250ml,wgl175ml,wgl125ml,wi7bt, popsqsm7) d7unitwg=-6.
IF any(d7day,2,-1) d7unitwg=-1.

VARIABLE LABEL d7unitwg"(D) NEW Units drunk on heaviest day in last 7 (16yrs+)".

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) NEW units drunk on heaviest day in last 7 (16yrs+)".

value labels d7unitwgrp
1 "Up to and including 2"
2 "Over 2 and up to (6 including) 3"
3 "Over 3 and up to (4 including) 4"
4 "Over 4 and up to (4 including) 5"
5 "Over 5 and up to (6 including) 6"
6 "Over 6 and up to (8 including) 8"
7 "Over 8+".

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

**SPSS Syntax**

Compute d7many3=d7many.
if any(2,dnany,d7day) d7many3=0.
if dnoft2=8 d7many3=0.
variable labels d7many3 "(D) Number of days drank in last week, including none".

ALCLIMIT: (D) Alcohol units - limits based on (variable drevutg) 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 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) NEW Women number of units".
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'.
execute.

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".
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'.
execute.

missing values wdrink07B mdrink07B().
compute alclimit07B=-1.
if (mdrink07B=0) alclimit07B =0.
IF (mdrink07B=1) alclimit07B =1.
IF mdrink07B=3 alclimit07B =3.
if (wdrink07B=0) alclimit07B =0.
IF (wdrink07B=1) alclimit07B =1.
IF wdrink07B=3 alclimit07B =3.
if ((wdrink07B=-8|wdrink07B=-9|wdrink07B=-1) and (mdrink07B=-1|mdrink07B=-9|mdrink07B=-8)) alclimit07B =-
1.\nmiss val alclimit07B (-9).
VAR LAB alclimit07B "(D) Alcohol units - limits based on (variable d7unitwgrp ) units per day".
VAL LAB alclimit07B
-1 'Not Applicable'
0 'None'
1 '<=4 units/day (men), <=3 (women)'

HSE 2009 Derived Variables: Drinking
WDRINK07B : (D) NEW Women number of units

-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) NEW Women number of units".
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'.
execute.

BMIWHO1: (D) WHO 2007 BMI standards 2-4yrs (91st/98th centile)

-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".
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'.
execute.

Children 13-15

ABER2WC: (D) Drunk beer in last 7 days - inc. non-drinkers

ASPIRWC: (D) Drunk spirits in last 7 days - inc. non-drinkers

ASHERWC: (D) Drunk sherry in last 7 days - inc. non-drinkers

AWINEWC: (D) Drunk wine in last 7 days - inc. non-drinkers

APOPSWC: (D) Drunk alcopops in last 7 days - inc. non-drinkers

0 Never drinks
1 Has drunk drink in last 7 days
2 Not drunk drink in last 7 days

All variables in this group have the same value labels.

SPSS Syntax

HSE 2009 Derived Variables: Drinking
**SPSS Syntax**

```spss
COMPUTE xber2q = 0.
RECODE aber2w (-2=-2)(-1,-9,2=-1)(-6=-6) INTO xber2q.
IF (aber2w = 1 & aber2qpt > 0) xber2q = xber2q + (aber2qpt * 2).
IF (aber2w = 1 & aber2qlg > 0) xber2q = xber2q + (aber2qlg * 2).
IF (aber2w = 1 & aber2qsm > 0) xber2q = xber2q + aber2qsm.
IF (xber2q=0) xber2q=-9.

COMPUTE xposq = 0.
RECODE apopsw (-2=-2)(-1,-9,2=-1)(-6=-6) INTO xposq.
IF (apopsw = 1 & apopsqsm > 0) xposq = xposq + apopsqsm*1.5.
IF (xposq =0) xposq =-9.

**use scratch variables to store means for dk values.
COMPUTE xxber2q2 = xber2q.
COMPUTE xxposq2 = xposq.
COMPUTE xxspirq = aspirqgs.
COMPUTE xxsherq = asherqgs.
COMPUTE xxwineq = awineqgs.
** replace missing data with mean for sex.
IF (xxber2q = -9 & sex = 1) xxber2q2 = 4.49.
IF (xxber2q = -9 & sex = 2) xxber2q2 = 3.28.
IF (xxspirq = -9 & sex = 1) xxspirq = 2.57.
IF (xxspirq = -9 & sex = 2) xxspirq = 3.71.
IF (xxsherq = -9 & sex = 1) xxsherq = 1.00.
IF (xxsherq = -9 & sex = 2) xxsherq = 0.
IF (xxwineq = -9 & sex = 1) xxwineq = 1.57.
IF (xxwineq = -9 & sex = 2) xxwineq = 2.78.
IF (xxposq = -9 & sex = 1) xxposq2 = 3.00.
IF (xxposq = -9 & sex = 2) xxposq2 = 3.36.

**derive adrinkwq for 13-15 year olds only.
COMPUTE adrinkwq08 = 0.
RECODE adrlast(-2=-2)(-9=-1)(-6=-6) INTO adrkwq08.
IF (aber2w=-9 & aspirw=-9 & asherw=-9 & awinew=-9 & apopsw=-9) adrkwq08 = -9.
IF (aber2w=-2 & aspirw=-2 & asherw=-2 & awinew=-2 & apopsw=-2) adrkwq08 = -2.
IF (adrlast=-1 and adrprop=-9 and (age>13 and age<15)) adrkwq08 = 9.
IF (aber2w = 1 & xber2q2 > 0) adrkwq08 = adrkwq08 + xber2q2.
IF (aspirw = 1 & xxspirq > 0) adrkwq08 = adrkwq08 + xxspirq.
IF (asherw = 1 & xxsherq > 0) adrkwq08 = adrkwq08 + xxsherq.
IF (awinew = 1 & xxwineq > 0) adrkwq08 = adrkwq08 + xxwineq.
IF (apopsw = 1 & xxposq2 > 0) adrkwq08 = adrkwq08 + xxposq2.
VARLABELS adrkwq08 "(D) Total units of alcohol in last 7 days (13-15yrs)".

Compute adrkwq08g=adrkwq08.
IF adrkwq08>0 and adrkwq08<1 adrkwq08g=1.
IF adrkwq08=1 and adrkwq08<2 adrkwq08g=2.
IF adrkwq08>2 and adrkwq08<4 adrkwq08g=3.
```

2 Please note that in 2007 new questions were added asking which glass size was used when wine was consumed, this created a false accuracy as 13-15yr old children rarely know about glass size, this was therefore not continued past 2007.
IF adrkwg08>=4 and adrkwg08<6 adrkwg08g=4.
IF adrkwg08>=6 and adrkwg08<10 adrkwg08g=5.
IF adrkwg08>=10 and adrkwg08<15 adrkwg08g=6.
IF adrkwg08>=15 adrkwg08g=7.
IF adrkwg08<=0 adrkwg08g=adrkwg08.

var lab adrkwg08g "(D) total units of alcohol in last 7 days (13-15yrs)".
val lab adrkwg08g
  -2 'Schedule Not Applicable'
  -1 'Item Not Applicable'
  0 "None"
  1 "Less than 1 unit"
  2 "1, under 2 units"
  3 "2, under 4 units"
  4 "4, under 6 units"
  5 "6, under 10 units"
  6 "10, under 15 units"
  7 "15 or more units".
Fruit & Vegetable consumption

PORPUL (D) Portion of pulses
PORSAL (D) Portion of salad
PORVEG (D) Portion of vegetables
PORVDISH (D) Portion of vegetables in composites
PORJUICE (D) Portion of fruit juice
PORFRT (D) Portion of all sized fruit
PORDRY (D) Portion of dried fruit
PORFROZ (D) Portion of frozen fruit/canned fruit
PORFDISH (D) Portion of fruit in composites
VEGPOR (D) Total portion of vegetables (inc.salad)
FRTPOR (D) Total portion of fruit
PORFV (D) Total portion of fruit and veg.

A maximum of 1 portion of pulses, fruit juice or dried fruit contributed to the total portions of fruit and vegetables. Portion sizes were defined by The Department of Health.

SPSS Syntax

```
compute porpul=0.
   if (vegpul=1 & vegpulq>0) porpul=vegpulq/3.
   if porpul>1 porpul=1.
compute porsal=0.
   if (vegsal=1 & vegsalq>0) porsal=vegsalq.
compute porveg=0.
   if (vegveg=1 & vegvegq>0) porveg=vegvegq/3.
compute porvdish=0.
   if (vegdish=1 & vegdishq>0) porvdish=vegdishq/3.
compute porjuice=0.
   if (frtdrnk=1 & frtdrnkq>0) porjuice=frtdrnkq.
   if porjuice>1 porjuice=1.
compute porlge=0.
   do repeat xxx=frtc01 frtc02 frtc03 frtc04 frtc05 frtc06 frtc07 frtc08 frtc09 frtc10 frtc11 frtc12 frtc13 frtc14 frtc15.
      if (xxx=2 & yyy>0) porlge=porlge+yyy*2.
   end repeat.
compute porsml=0.
   do repeat xxx=frtc01 frtc02 frtc03 frtc04 frtc05 frtc06 frtc07 frtc08 frtc09 frtc10 frtc11 frtc12 frtc13 frtc14 frtc15.
      if (xxx=4 & yyy>0) | (xxx=5 & yyy>0) porsml=porsml+yyy/2.
   end repeat.
compute poroth=0.
   do repeat xxx=frtc01 frtc02 frtc03 frtc04 frtc05 frtc06 frtc07 frtc08 frtc09 frtc10 frtc11 frtc12 frtc13 frtc14 frtc15.
      if (xxx=1 & yyy>0) | (xxx=3 & yyy>0) poroth=poroth+yyy.
   end repeat.
compute porfrt=porlge+porsml+poroth.
compute pordry=0.
   if (frtdry=1 & frtdryq>0) pordry=frtdryq.
   if pordry>1 pordry=1.
compute porfroz=0.
   if (frtfroz=1 & frtfrozq>0) porfroz=frtfrozq/3.
compute porfdish=0.
   if (frtdish=1 & frtdishq>0) porfdish=frtdishq/3.
compute vegpor=porpul+porsal+porveg+porvdish.
compute frtpor=porjuice+porfrt+pordry+porfroz+porfdish.
compute porf=vegpor+frtpor.
```

**set missings after calculation.**

```
if any(vegsal,-9,-8) | any(vegsalq,-9,-8) porsal=-9.
if any(vegpul,-9,-8) | any(vegpulq,-9,-8) porpul=-9.
if any(vegveg,-9,-8) | any(vegvegq,-9,-8) porveg=-9.
if any(frtfdish,-9,-8) | any(frtfdishq,-9,-8) porfdish=-9.
```
if any(vegdish,-9,-8) | any(vegdishq,-9,-8) porvdish=-9.
if any(frt,-9,-8) porfrt=-9.
if any(frtdrnk,-9,-8) | any(frtdrnkq,-9,-8) porjuice=-9.
if any(frtdry,-9,-8) | any(frtdryq,-9,-8) pordry=-9.
if any(frtfroz,-9,-8) | any(frtfrozq,-9,-8) porfroz=-9.
if any(frtdish,-9,-8) | any(frtdishq,-9,-8) porfdish=-9.
if porpsal=-9 & porpul=-9 & porveg=-9 & porvdish=-9 vegpor=-9.
if vegpor=-9 & frtpor=-9 porfv=-9.

**portions.
variable labels
  porpul "(D) Portion of pulses"
  /porsal "(D) Portion of salad"
  /porveg "(D) Portion of vegetables"
  /porvdish "(D) Portion of vegetables in composites"
  /porjuice "(D) Portion of fruit juice"
  /porfrt "(D) Portion of all sized fruit"
  /pordry "(D) Portion of dried fruit"
  /porfroz "(D) Portion of frozen fruit/canned fruit"
  /porfdish "(D) Portion of fruit in composites"
  /vegpor "(D) Total portion of vegetables (inc.salad)"
  /frtpor "(D) Total portion of fruit"
  /porfv "(D) Total portion of fruit and veg".

PORFTVG: "(D) Grouped portions of fruit (incl. orange juice) & veg yesterday"

1 None
2 Less than 1 portion
3 1 portion or more but less than 2
4 portions or more but less than 4
5 portions or more but less than 3
6 portions or more but less than 5
7 portions or more but less than 6
8 portions or more but less than 7
9 portions or more

SPSS Syntax

RECODE porfv (0=0) (8 thru hi=9) (7 thru 8=8) (6 thru 7=7) (5 thru 6=6) (4 thru 5=5) (3 thru 4=4)
(2 thru 3=3) (1 thru 2=2) (0 thru 1=1) into porftvg.
VARIABLE LABELS porftvg "(D) Grouped portions of fruit (incl.orange juice) & veg yesterday" .
VALUE LABELS porftvg
  0 "None"
  1 "Less than 1 portion"
  2 "1 portion or more but less than 2"
  3 "2 portions or more but less than 3"
  4 "3 portions or more but less than 4"
  5 "4 portions or more but less than 5"
  6 "5 portions or more but less than 6"
  7 "6 portions or more but less than 7"
  8 "7 portions or more but less than 8"
  9 "8 portions or more".

do if age<5.
do repeat xxx=porpul to porftvg.
  compute xxx=-1.
end repeat.
end if.
General Health

Acute Sickness

ACUTILL: (D) Acute sickness last two weeks

1  No acute sickness
2  1-3 days
3  4-6 days
4  7-13 days
5  A full 2 weeks

SPSS Syntax

```
COMPUTE acutill = lastfort .
IF (lastfort = 1 & dayscut<0)) acutill = -9 .
IF (lastfort = 2) acutill = 1 .
RECODE dayscut (1 thru 3=2) (4 thru 6=3) (7 thru 13=4) (14 thru hi=5)
INTO acutill.
VARIABLE LABEL acutill "(D) Acute sickness last two weeks" .
VALUE LABELS acutill 1 'No acute sickness'
2 '1-3 days'
3 '4-6 days'
4 '7-13 days'
5 'a full 2 weeks'.
```

GHQ12

GHQ12SCR: (D) GHQ Score - 12 point scale

GHQG2: (D) GHQ Score - grouped (0,1-3,4+)

1  Score 0
2  Score 1-3
3  Score 4+

There is no scaling of missing answers on the GHQ score, if an informant has not given an answer to a question, then it does not contribute to the overall GHQ score.

SPSS Syntax

```
COMPUTE ghq12scr = 0 .
RECODE ghqconc (-6,-2=COPY) into ghq12scr.
DO REPEAT ghqtemp=ghqconc to ghqhappy.
  IF ANY(ghqtemp,3,4) ghq12scr=ghq12scr+1.
END REPEAT.
IF (ANY(-9,ghqconc to ghqhappy)) ghq12scr=-9 .
RECODE ghq12scr
  (+9 thru -1=COPY) (0=1) (1 thru 3=2) (4 thru Highest=3) INTO GHQg2.
VARIABLE LABEL ghq12scr "(D) GHQ Score - 12 point scale".
VARIABLE LABEL ghqg2 "(D) GHQ Score - grouped (0,1-3,4+)".
VALUE LABELS ghqg2
  1 'Score 0'
 2 'Score 1-3'
 3 'Score 4+'.
```

PCAREP: (D) Been offered a personal care plan

2  'Schedule not applicable'
-1  'Item not applicable'
1  'Agreed pcp in last 12 months'
2  'Agreed pcp in more than 12 months'
3  'Discussing, but not yet agreed'
4  'Offered, but did not want one/not suitable'
5  'Not offered, but would like one'
6  'Not offered, and did not want one'
7  'Not offered, and dont know whether want one'.

HSE 2009 Derived Variables: General Health 43
**Longstanding Illness**

**COMPM13:** (D) I Infectious Disease  
**COMPM1:** (D) II Neoplasms & benign growths  
**COMPM2:** (D) III Endocrine & metabolic  
**COMPM14:** (D) IV Blood & related organs  
**COMPM3:** (D) V Mental disorders  
**COMPM4:** (D) VI Nervous System  
**COMPM5:** (D) VI Eye complaints  
**COMPM6:** (D) VI Ear complaints  
**COMPM7:** (D) VII Heart & circulatory system  
**COMPM8:** (D) VIII Respiratory system  
**COMPM9:** (D) IX Digestive system  
**COMPM10:** (D) X Genito-urinary system  
**COMPM11:** (D) XII Skin complaints  
**COMPM12:** (D) XIII Musculoskeletal system  
**COMPM15:** (D) Other complaints  
**COMPM17:** (D) No long-standing Illness  
**COMPM18:** (D) No longer present  
**COMPM99:** (D) Unclass/NLP/inadeq.describe

0 No condition present  
1 Has condition

*All variables in the COMPM series have the same value labels*

**SPSS Syntax**

DO REPEAT xcomp=compm1 compm2 compm3 compm4 compm5 compm6 compm7 compm8 compm9 compm10 compm11 compm12 compm13 compm14 compm15 compm17 compm18.  
COMPUTE xcomp=0.  
IF (longill<0) xcomp=-9.  
END REPEAT.  
DO REPEAT illsm1 illsm2 illsm3 illsm4 illsm5 illsm6.  
IF (illsm1=1) compm1=1.  
IF (ILLSM2) compm2=1.  
IF (RANGE(ILLSM2,3)) compm3=1.  
IF (RANGE(ILLSM2,4,5)) compm4=1.  
IF (RANGE(ILLSM2,6,10)) compm5=1.  
END REPEAT.

HSE 2009 Derived Variables: General Health
IF (RANGE(xill,11,14)) compm6=1.
IF (RANGE(xill,15,21)) compm7=1.
IF (RANGE(xill,22,25)) compm8=1.
IF (RANGE(xill,26,29)) compm9=1.
IF (RANGE(xill,30,33)) compm10=1.
IF (xill=39) compm11=1.
IF (RANGE(xill,34,36)) compm12=1.
IF (xill=37) compm13=1.
IF (xill=38) compm14=1.
IF (xill=40) compm15=1.
IF (longill = 1 & xill = 42) compm18 = 1 .
END REPEAT.
IF (longill = 2) compm17 = 1.
COMPUTE compm99 = 0 .
IF (longill = 1 & ANY(illsm1,41,42,-1,-8,-9)) compm99 = 1 .
IF (longill<0) compm99 = -9.
VARIABLE LABELS compm1 '(D) II Neoplasms & benign growths'
/compm2 '(D) III Endocrine & metabolic'
/compm3 '(D) V Mental disorders'
/compm4 '(D) VI Nervous System'
/compm5 '(D) VI Eye complaints'
/compm6 '(D) VII Heart & circulatory system'
/compm7 '(D) VII Heart & circulatory system'
/compm99 '(D) IX Digestive system'
/compm10 '(D) X Genito-urinary system'
/compm11 '(D) XI Skin complaints'
/compm12 '(D) XII Musculoskeletal system'
/compm13 '(D) I Infectious Disease'
/compm14 '(D) IV Blood & related organs'
/compm15 '(D) Other complaints'
/compm16 '(D) No long-standing Illness'
/compm17 '(D) No longer present'
/compm99 '(D) Unclass/NLP/inadeq.describe' .
VALUE LABELS compm1 TO compm99
0 'no condition present'
1 'has condition'.
RECODE compm1 TO compm15 (SYSMIS=0).

CONDCNT: (D) Number of grouped condition categories
0 No LS illness

CONDCNT2: (D) Number of grouped conditions - 4 plus
0 No LS illness
4 4 or more

SPSS Syntax
IF (longill = 2) condcnt = 0 .
DO IF (longill = 1).
COUNT condcnt = compm1 TO compm15 (1) .
END IF .
IF (longill = 1 & (illsm1 = 41 | illsm1<0)) condcnt = 1 .
IF (longill<0) condcnt = -9 .
RECODE condcnt (4 thru hi=4)(ELSE=COPY) INTO condcnt2.
VARIABLE LABEL condcnt "(D) Number of grouped condition categories" .
VALUE LABELS condcnt
0 'no LS illness'.
VARIABLE LABEL condcnt2 "(D) Number of grouped conditions - 4 plus" .
VALUE LABELS condcnt2
0 'no LS illness'
4 '4 or more'.

LIMITILL: (D) Limiting longstanding illness
1 Limiting LI
2 Non limiting LI
3 No LI

SPSS Syntax
COMPUTE limitill = -1.
DO IF any(indout,110,210).
RECODE longill (1=2) (2=3) (ELSE=COPY) INTO limitill.
IF (limitact=1) limitill=1.
END IF.
VARIABLE LABEL limitill "(D) Limiting longstanding illness".
VALUE LABELS limitill
1 'Limiting LI'
2 'Non limiting LI'
3 'No LI'.
Prescribed Medicines: Drugs affecting blood analytes

DIUR: (D) Diuretics (Blood pressure)
BETA: (D) Beta blockers (Blood pressure/Fibrinogen)
ACEINH: (D) Ace inhibitors (Blood pressure)
CALCIUMB: (D) Calcium blockers (Blood pressure)
OBPDURG: (D) Other drugs affecting BP
LIPID: (D) Lipid lowering (Cholesterol/Fibrinogen)
IRON: (D) Iron deficiency (Haemoglobin/Ferritin)

BPMDMC: (D) Whether taking drugs affecting blood pressure
BPMDDE: (D) Whether taking drugs prescribed for blood pressure

0 Not taking drug
1 Taking drug

All derived variables in the BP Drugs subsection have the same value labels.

SPSS Syntax

```
DO REPEAT xxdrug=diur beta aceinh calciumb obpdrug lipid iron bpmedc bpmedd.
  COMPUTE xxdrug=0.
  RECODE medbi01(-9 thru -1=COPY) INTO xxdrug.
END REPEAT.
DO REPEAT xxcode=medbi01 to medbi22.
  IF xxcode=0 diur=-9.
  IF xxcode=0 beta=-9.
  IF xxcode=0 aceinh=-9.
  IF xxcode=0 calciumb=-9.
  IF xxcode=0 iron=-9.
  IF xxcode=0 lipid=-9.
  IF xxcode=0 obpdrug=-9.
  IF xxcode=0 bpmedc=-9.
  IF xxcode=0 bpmedd=-9.
END REPEAT.
DO REPEAT xxcode=medbi01 to medbi22.
  IF RANGE(xxcode,20201,20208) diur=1.
  IF xxcode=20400 beta=1.
  IF RANGE(xxcode,020551,020553) aceinh=1.
  IF xxcode=20602 calciumb=1.
  IF ANY(xxcode,20501,20502,20503,20504,20506) obpdrug=1.
  IF ANY(xxcode,21200,21201,21202) lipid=1.
  IF xxcode=90101 iron=1.
END REPEAT.
```

Prescribed Medicines: General

MEDCNJD: (D) Whether taking medication - excluding contraceptives only

1 Yes
2 No

SPSS Syntax

```
COMPUTE medcnj = medcnjd .
IF (sex = 2 & medcnjd = 1 & RANGE(medbi01,70301,70302) &
medbi02<0 & medbi03<0 & medbi04<0 & medbi05<0 & medbi06<0 & medbi07<0 &
```
medbi08<0 & medbi09<0 & medbi10<0 & medbi11<0 & medbi12<0 & medbi13<0 & medbi14<0 & medbi15<0 & medbi16<0 & medbi17<0 & medbi18<0 & medbi19<0 & medbi20<0 & medbi21<0 & medbi22<0) \medcnj = 2.

VARIABLE LABEL medcnj "(D) Whether taking medication - excluding "+ "contraceptives only".
VALUE LABELS medcnj 1 'Yes' 2 'No'.

MEDTYP1: (D) Cardio-vascular medicine taken ?
MEDTYP2: (D) Gastrointestinal medicine taken ?
MEDTYP3: (D) Respiratory medicine taken ?
MEDTYP4: (D) CNS medicine taken ?
MEDTYP5: (D) Medicine for infection taken ?
MEDTYP6: (D) Endocrine medicine taken ?
MEDTYP7: (D) Gynae/Urinary medicine taken ?
MEDTYP8: (D) Cytotoxic medicine taken ?
MEDTYP9: (D) Medicine for nutrition/blood taken ?
MEDTYP10: (D) Musculoskeletal medicine taken ?
MEDTYP11: (D) Eye/Ear etc medicine taken ?
MEDTYP12: (D) Medicine for skin taken ?
MEDTYP13: (D) Other medicine taken ?

0 No
1 Yes

All variables in the MEDTYP series have the same value labels.

**SPSS Syntax**

DO REPEAT xtyp = medtyp1 TO medtyp13.
COMPUTE xtyp=0.
RECODE medcnj (2=0)(-9 thru -1=COPY) INTO xtyp.
END REPEAT.

DO REPEAT xmed= medbi01 TO medbi22.
IF (RANGE(xmed,20101,21300)) medtyp1 = 1.
IF (RANGE(xmed,10101,10904)) medtyp2 = 1.
IF (RANGE(xmed,30101,31000)) medtyp3 = 1.
IF (RANGE(xmed,40101,41003)) medtyp4 = 1.
IF (RANGE(xmed,50101,50508)) medtyp5 = 1.
IF (RANGE(xmed,60101,60703)) medtyp6 = 1.
IF (RANGE(xmed,70201,70202,70401,70500)) medtyp7 = 1.
IF (RANGE(xmed,80101,80304)) medtyp8 = 1.
IF (RANGE(xmed,90101,90802)) medtyp9 = 1.
IF (RANGE(xmed,100101,100302)) medtyp10 = 1.
IF (RANGE(xmed,110101,110802,120101,120304)) medtyp11 = 1.
IF (RANGE(xmed,130100,131400)) medtyp12 = 1.
IF (xmed=140400) medtyp13 = 1.
END REPEAT.

VARIABLE LABEL medtyp1 '(D) Cardio-vascular medicine taken?'.
VARIABLE LABEL medtyp2 '(D) Gastrointestinal medicine taken?'.
VARIABLE LABEL medtyp3 '(D) Respiratory medicine taken?'.
VARIABLE LABEL medtyp4 '(D) CNS medicine taken?'.
VARIABLE LABEL medtyp5 '(D) Medicine for infection taken?'.
VARIABLE LABEL medtyp6 '(D) Endocrine medicine taken?'.
VARIABLE LABEL medtyp7 '(D) Gynae/Urinary medicine taken?'.
VARIABLE LABEL medtyp8 '(D) Cytotoxic medicine taken?'.
VARIABLE LABEL medtyp9 '(D) Medicine for nutrition/blood taken?'.
VARIABLE LABEL medtyp10 '(D) Musculoskeletal medicine taken?'.
VARIABLE LABEL medtyp11 '(D) Eye/Ear etc medicine taken?'.
VARIABLE LABEL medtyp12 '(D) Medicine for skin taken?'.
VARIABLE LABEL medtyp13 '(D) Other medicine taken?'.
VALUE LABELS medtyp1 TO medtyp13
0 'No'
1 'Yes'.

**NUMED2: (D) Number of prescribed medicines taken**

0 Doesn't take prescribed meds

**NUMED: (D) Number of prescribed medicines taken (grouped 4+)**

0 Doesn't take prescribed meds
4 Four or more

**SPSS Syntax**

COMPUTE numed2 = -9.
RECODE medcnj (-6 thru -2=COPY)(2=0) INTO numed2.
DO IF (medcnj = 1).
COUNT numed2 = medbi01 TO medbi22 (-9 10101 THRU HI).
END IF.
RECODE numed2 (4 thru hi=4)(ELSE=COPY) INTO numed.
VARIABLE LABEL numed2 '(D) Number of prescribed medicines taken'.
VARIABLE LABEL numed '(D) Number of prescribed medicines taken (grouped 4+)'.
VALUE LABELS numed2 0 "Doesn't take prescribed meds".
VALUE LABELS numed 0 "Doesn't take prescribed meds".
        4 'Four or more'.

Self-Assessed Health

GENHELFW: (D) Self-assessed general health (grouped)

1 Very good/good
2 Fair
3 Bad/very bad

SPSS Syntax

RECODE genhelf (3=2)(1 thru 2=1)(4 thru 5=3)(ELSE=Copy) INTO genhelf2 .
VARIABLE LABELS genhelf2 "(D) Self-assessed general health - grouped" .
VALUE LABELS genhelf2
1 'Very good/good'
2 'Fair'
3 'Bad/very bad'.
Smoking

Adult Current Smokers

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

**SPSS Syntax**

```spss
IF cigwday>=0 & cigwend>=0 cigdyal=((5*cigwday)+(2*cigwend))/7.
IF ANY(-9,cigwday,cigwend) cigdyal=-9.
IF ANY(-8,cigwday,cigwend) cigdyal=-8.
IF age<16 cigdyal=-1.
RECODE cignow(-9,-8=COPY)(2=0) INTO cigdyal.
RECODE smkevr(-9,-8=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".
```

Adults Cigarette Smoking General

CIGST1: (D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current

1 Never smoked cigarettes at all
2 Used to smoke cigarettes occasionally
3 Used to smoke cigarettes regularly
4 Current cigarette smoker

**SPSS Syntax**

```spss
IF any(2,cigevr,smkevr) cigst1=1.
RECODE cigreg (3=1)(2=2)(1=3) INTO cigst1.
IF cignow=1 cigst1=4.
IF ANY(-9,smkevr,cignow,cigevr,cigreg) cigst1=-9.
IF ANY(-8,smkevr,cignow,cigevr,cigreg) cigst1=-8.
IF smkevr=-1 cigst1=-1.
IF age<16 cigst1=-1.
VARIABLE LABELS cigst1 "(D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current".
VALUE LABELS cigst1
  1 "Never smoked cigarettes at all"
  2 "Used to smoke cigarettes occasionally"
  3 "Used to smoke cigarettes regularly"
  4 "Current cigarette smoker".
```

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**

```spss
IF any(2,cigevr,smkevr) cigsta3=3.
RECODE cigreg ((=2)(2,3=3) INTO cigsta3.
IF cignow=1 cigsta3=1.
IF ANY(-9,smkevr,cignow,cigevr,cigreg) cigsta3=-9.
IF ANY(-8,smkevr,cignow,cigevr,cigreg) 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".
```

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**

```spss
```

HSE 2009 Derived Variables: Smoking
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 age<16 cigst2=-1.

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".

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".

Cotinine

COT15VAL: (D) Valid Cotinine (saliva est.)

1  0<15 ng/ml
2  15+ ng/ml
-90 Use nicotine products

SPSS Syntax
COMPUTE cotval=cotsal.
IF nicuseb=1 cotval=-90.

VARIABLE LABEL cotval "(D) Valid Cotinine (saliva)".
VALUE LABELS cotval
  -90 "Use nicotine products".
RECODE cotval (lo thru -1=COPY)(15 thru hi=2)(0 thru 15=1) INTO cot15val.

VARIABLE LABEL cot15val "(D) Valid Cotinine (saliva): 0<15,15+".
VALUE LABELS cot15val
  1 "0<15 ng/ml"
  2 "15+ ng/ml"
  -90 "Use nicotine products".

NICUSEB: (D) Used nicotine products in last 7 days e.g. gum, patch, nasal spray

1  Uses nicotine products
2  Doesn't use nicotine products

SPSS Syntax
COMPUTE nicuseb=2.
RECODE usegum (lo thru -1=COPY) INTO nicuseb.
IF ANY(1,usegum,usepat,usenas) nicuseb=1.
IF ANY(-9,usegum,usepat,usenas) nicuseb=-9.

VARIABLE LABEL nicuseb "(D) Used nicotine products in last 7 days e.g. gum, patch, nasal spray".
VALUE LABELS nicuseb
  1 "Uses nicotine products"
  2 "Doesn't use nicotine products".
Blood sample

Admin

BSOUTE: (D) Blood Sample Outcome
1 Blood sample obtained
2 Blood sample attempted, not obtained
3 Refused blood sample or Nurse
4 Ineligible for Blood Sample or Nurse

**SPSS Syntax**

```spss
compute bsoute=4.
if age<16 bsoute=-1.
if age>=16 & any(nuroutc,80,82,83,84,85,86,87,88,89,90) bsoute=3.
if any(1,clootb,fit,pregntj) & age>=16 bsoute=4.
if any(2,bewill) bsoute=3.
recode sampak(1=1)(2=2) into bsoute.
variable labels bsoute "(D) Blood Sample Outcome".
value labels bsoute
-1 "Item not applicable"
1 "Blood sample obtained"
2 "Blood sample attempted, not obtained"
3 "Refused Blood Sample or Nurse"
4 "Ineligible for Blood Sample or Nurse".
```

Measurements

CHOLVAL: (D) Valid Cholesterol Result
CHOLVAL1: (D) Valid Cholesterol Result (incl those on lld)
HDLVAL: (D) Valid HDL Cholesterol Result
HDLVAL1: (D) Valid HDL Cholesterol Result (incl those on lld)
GLYHBVAL: (D) Valid Glycated HB Result

**SPSS Syntax**

```spss
compute cholval=-1.
if cholok=1 cholval=cholest.
variable labels cholval "(D) Valid Cholesterol Result".
compute cholval1=-1.
if (cholok=1 | cholok=2) cholval1=cholest.
variable labels cholval1 "(D) Valid Cholesterol Result (incl those on lld)".
compute hdlval=-1.
if hdlok=1 hdlval=hdlchol.
variable labels hdlval "(D) Valid HDL Cholesterol Result".
compute hdlval1=-1.
if (hdlok=1 | hdlok=2) hdlval1=hdlchol.
variable labels hdlval1 "(D) Valid HDL Cholesterol Result (incl those on lld)".
compute glyhbval=-1.
if glyhbok=1 glyhbval=glyhb.
variable labels glyhbval "(D) Valid Glycated HB Result".
```

CHOLOK: (D) Response to Total Cholesterol sample
HDLOK: (D) Response to HDL Cholesterol sample
GLYHBOK: (D) Response to Glycated HB sample
1 Valid sample
2 Takes drugs affecting sample
3 Sample not obtained, not usable
4 Ineligible
5 Refused
**SPSS Syntax**

recode samptak (-2=-2)(-1=4)(1,2=3) into cholok.
if bswill=2 cholok=5.
if cholest>0 & cholqual<0 cholok=1.
if cholest>0 & lipid=1 cholok=2.
variable labels cholok "(D) Response to Total Cholesterol sample".
value labels cholok
  1 "Valid sample"
  2 "Takes drugs affecting sample"
  3 "Sample not obtained, not usable"
  4 "Ineligible"
  5 "Refused".

recode samptak (-2=-2)(-1=4)(1,2=3) into hdlok.
if bswill=2 hdlok=5.
if hdlchol>0 & hdlqual<0 hdlok=1.
if hdlchol>0 & lipid=1 hdlok=2.
variable labels hdlok "(D) Response to HDL Cholesterol sample".
value labels hdlok
  1 "Valid sample"
  2 "Takes drugs affecting sample"
  3 "Sample not obtained, not usable"
  4 "Ineligible"
  5 "Refused".

recode samptak (-2=-2)(-1=4)(1,2=3) into glyhbok.
if bswill=2 glyhbok=5.
if glyhb>0 & glhbqual<0 glyhbok=1.
variable labels glyhbok "(D) Response to Glycated HB sample".
value labels glyhbok
  1 "Valid sample"
  3 "Sample not obtained, not usable"
  4 "Ineligible"
  5 "Refused".

**CRPOKB: (D) Response to C-Reactive Protein sample**
1 Valid sample
  3 Sample not obtained, not usable
  4 Ineligible
  5 Refused.

**CRPVAL2: (D) Valid C-Reactive Protein Result.**

**SPSS Syntax**

recode samptak (-2=-2)(-1=4)(1,2=3) into crpokb.
if bswill=2 crpokb=5.
if crpval>0 & crpqual<0 crpokb=1.
variable labels crpokb "(D) Response to C-Reactive Protein sample".
value labels crpokb
  1 "Valid sample"
  3 "Sample not obtained, not usable"
  4 "Ineligible"
  5 "Refused".

compute crpval2=-1.
if crpokb=1 crpval2=crpval.
variable labels crpval2 "(D) Valid C-Reactive Protein Result".
exe.

**CRPQUIN: (D) C-reactive protein quintile.**
1 Bottom
  2 Second
  3 Middle
  4 Fourth
  5 Top.

**SPSS syntax**

DO IF sex=1.
RECODE crpval2 (0 thru 0.5=1) (0.51 thru 1.10=2) (1.11 thru 2.09=3) (2.10 thru 4.39=4)
(4.30 thru hi=5) (else=copy) INTO crpquinn.
ELSE IF sex=2.
RECODE crpval2 (0 thru 0.5=1) (0.51 thru 1.10=2) (1.11 thru 2.09=3) (2.10 thru 4.39=4)
(4.30 thru hi=5) (else=copy) INTO crpquinn.
END IF.
CREOKB: (D) Response to Creatinine sample.
  1 Valid sample
  2 Takes drugs affecting sample
  3 Sample not obtained, not usable
  4 Ineligible
  5 Refused

**SPSS syntax**

```
recode samptak (-2=-2)(-1=4)(1,2=3) into creokb.
if bswill=2 creokb=5.
if creat>0 & crequal<0 creokb=1.
variable labels creokb "(D) Response to Creatinine sample".
value labels creokb
  1 "Valid sample"
  2 "Takes drugs affecting sample"
  3 "Sample not obtained, not usable"
  4 "Ineligible"
  5 "Refused".
```

FEROKB: (D) Response to Ferritin sample.
  1 Valid sample
  2 Takes drugs affecting sample
  3 Sample not obtained, not usable
  4 Ineligible
  5 Refused

**FERVAL: (D) Valid Ferritin Result.**

**SPSS syntax**

```
recode samptak (-2=-2)(-1=4)(1,2=3) into ferokb.
if bswill=2 ferokb=5.
if ferrit>0 & ferqual<0 ferokb=1.
if ferrit>0 & iron=1 ferokb=2.
variable labels ferokb "(D) Response to Ferritin sample".
value labels ferokb
  1 "Valid sample"
  2 "Takes drugs affecting sample"
  3 "Sample not obtained, not usable"
  4 "Ineligible"
  5 "Refused".
compute ferval=-1.
if ferokb=1 ferval=ferrit.
variable labels ferval "(D) Valid Ferritin Result".
freq ferval.
```

HAEMOKB: (D) Response to Haemoglobin sample.
  1 Valid sample
  2 Takes drugs affecting sample
  3 Sample not obtained, not usable
  4 Ineligible
  5 Refused

**FIBVAL: (D) Valid Fibrinogen Result.**

**SPSS syntax**

```
recode samptak (-2=-2)(-1=4)(1,2=3) into haemokb.
if bswill=2 haemokb=5.
if haemo>0 & haemqual<0 haemokb=1.
if haemo>0 & iron=1 haemokb=2.
variable labels haemokb "(D) Response to Haemoglobin sample".
value labels haemokb
  1 "Valid sample"
  2 "Takes drugs affecting sample"
  3 "Sample not obtained, not usable"
  4 "Ineligible"
  5 "Refused".
compute fibval=-1.
if fibokb=1 fibval=fibgen.
variable labels fibval "(D) Valid Fibrinogen Result".
exe.
```
Kidney Disease

Measurements

eGFRGP4 : (D) eGFR in 4 categories

1. hSegfr>=90
2. hSegfr<90 & hSegfr>=60
3. hSegfr<60 & hSegfr>=30
4. hSegfr<30 and hSegfr>=0

SPSS syntax

compute eGFRgp4=9.
IF hSegfr>=90 eGFRgp4=1.
IF hSegfr<90 and hSegfr>=60 eGFRgp4=2.
IF hSegfr<60 and hSegfr>=30 eGFRgp4=3.
IF hSegfr<30 and hSegfr>=0 eGFRgp4=4.
IF hSegfr<0 eGFRgp4=hSegfr.
VARIABLE LABELS eGFRgp4 "(D) eGFR in 4 categories".
VALUE LABELS eGFRgp4
  1 'hSegfr>=90'
  2 'hSegfr<90 & hSegfr>=60'
  3 'hSegfr<60 & hSegfr>=30'
  4 'hSegfr<30 and hSegfr>=0'.
exe.

eGFRGP6 : (D) eGFR in 6 categories

1. hSegfr>=105
2. hSegfr<105 & hSegfr>=90
3. hSegfr<90 & hSegfr>=75
4. hSegfr<75 & hSegfr>=60
5. hSegfr<60 & hSegfr>=45
6. hSegfr<45 and hSegfr>=0

SPSS syntax

compute eGFRgp6=9.
IF hSegfr>=105 eGFRgp6=1.
IF hSegfr<105 and hSegfr>=90 eGFRgp6=2.
IF hSegfr<90 and hSegfr>=75 eGFRgp6=3.
IF hSegfr<75 and hSegfr>=60 eGFRgp6=4.
IF hSegfr<60 and hSegfr>=45 eGFRgp6=5.
IF hSegfr<45 and hSegfr>=0 eGFRgp6=6.
IF hSegfr<0 eGFRgp6=hSegfr.
VARIABLE LABELS eGFRgp6 "(D) eGFR in 6 categories".
VALUE LABELS eGFRgp6
  1 'hSegfr>=105'
  2 'hSegfr<105 & hSegfr>=90'
  3 'hSegfr<90 & hSegfr>=75'
  4 'hSegfr<75 & hSegfr>=60'
  5 'hSegfr<60 & hSegfr>=45'
  6 'hSegfr<45 and hSegfr>=0'.
exe.

eGFRGP7 : (D) eGFR in 7 categories

1. hSegfr>=105
2. hSegfr<105 & hSegfr>=90
3. hSegfr<90 & hSegfr>=75
4. hSegfr<75 & hSegfr>=60
5. hSegfr<60 & hSegfr>=45
6. hSegfr<45 & hSegfr>=30
7. hSegfr<30 and hSegfr>=0

SPSS syntax

compute eGFRgp7=9.
IF hSegfr>=105 eGFRgp7=1.
IF hSegfr<105 and hSegfr>=90 eGFRgp7=2.
IF hSegfr<90 and hSegfr>=75 eGFRgp7=3.
IF hsegfr<75 and hsegfr>=60 eGFRgp7=4.
IF hsegfr<60 and hsegfr>=45 eGFRgp7=5.
IF hsegfr<45 and hsegfr>=30 eGFRgp7=6.
IF hsegfr<30 and hsegfr>=0 eGFRgp7=7.
IF hsegfr<0 eGFRgp7=hsegfr.
VARIABLE LABELS eGFRgp7 "(D) eGFR in 7 categories".
VALUE LABELS eGFRgp7
  1 'hsegfr>=105'
  2 'hsegfr<105 & hsegfr>=90'
  3 'hsegfr<90 & hsegfr>=75'
  4 'hsegfr<75 & hsegfr>=60'
  5 'hsegfr<60 & hsegfr>=45'
  6 'hsegfr<45 & hsegfr>=30'
  7 'hsegfr<30 & hsegfr>=0'.
exe.

ALBCREGP : (D) Urinary albumin excretion grouped
1 Normal
2 Micro-albuminuria
3 Macro-albuminuria

SPSS syntax
compute albcregp=9.
IF sex=1 and albcreat>=0 and albcreat<=2.5 albcregp=1.
IF sex=2 and albcreat>=0 and albcreat<=3.5 albcregp=1.
IF sex=1 and albcreat>2.5 and albcreat<=30 albcregp=2.
IF sex=2 and albcreat>3.5 and albcreat<=30 albcregp=2.
IF albcreat>30 albcregp=3.
IF albcreat<0 albcregp=albcreat.
VARIABLE LABELS albcregp "(D) Urinary albumin excretion grouped".
VALUE LABELS albcregp
  1 'Normal'
  2 'Micro-albuminuria'
  3 'Macro-albuminuria'.
exe.

ALBUMIN2 : (D) Albumin result
401 '>400'.

SPSS Syntax
compute albumin2=albumin.
if albumin>400 albumin2=401.
VARIABLE LABELS albumin2 "(D) Albumin result".
VALUE LABELS albumin2
  401 '>400'.
exe.

KIDNEY FAILURE

KIDDIAG : (D) Doctor diagnosed kidney disease"
1 Yes
2 No

SPSS syntax
RECODE docinfo2 (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO kiddiag.
IF (ANY(-9,docinfo2)) kiddiag=-9.
IF (ANY(-8,docinfo2)) kiddiag=-8.
if age<=15 kiddiag=-1.
VARIABLE LABEL kiddiag "(D) Doctor diagnosed kidney disease".
VALUE LABELS kiddiag
  1 "Yes"
  2 "No".
KIDFAIL : (D) Chronic disease stage
1 Normal: eGFR 90+ ml/min/1.73m2 and normal albuminuria
2 Low normal: eGFR >60&<90 ml/min/1.73m2 and normal albuminuria
3 Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria
4 Stage 2: eGFR >60&<90 ml/min/1.73m2 and micro- or macro-albuminuria
5 Stage 3a/3b: eGFR >30&<60 ml/min/1.73m2 and normal albuminuria
6 Stage 3a/3b: eGFR >30&<60 ml/min/1.73m2 and micro- or macro-albuminuria
7 Stage 4/5: eGFR <30 ml/min/1.73m2 regardless of albuminuria

SPSS syntax
compute kidfail=9.
IF eGFRgp4=1 and albcregp=1 kidfail=1.
IF eGFRgp4=2 and albcregp=1 kidfail=2.
IF eGFRgp4=1 and any(albcregp,2,3) kidfail=3.
IF eGFRgp4=2 and any(albcregp,2,3) kidfail=4.
IF eGFRgp4=3 and albcregp=1 kidfail=5.
IF eGFRgp4=3 and any(albcregp,2,3) kidfail=6.
IF eGFRgp4=4 kidfail=7.
IF eGFRgp4<0 kidfail=eGFRgp4.
IF albcregp<0 kidfail=albcregp.
VARIABLE LABELS kidfail "(D) Chronic disease stage" .
VALUE LABELS kidfail
1 'Normal: eGFR 90+ ml/min/1.73m2 and normal albuminuria'
2 'Low normal: eGFR >60&<90 ml/min/1.73m2 and normal albuminuria'
3 'Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria'
4 'Stage 2: eGFR >60&<90 ml/min/1.73m2 and micro- or macro-albuminuria'
5 'Stage 3a/3b: eGFR >30&<60 ml/min/1.73m2 and normal albuminuria'
6 'Stage 3a/3b: eGFR >30&<60 ml/min/1.73m2 and micro- or macro-albuminuria'
7 'Stage 4/5: eGFR <30 ml/min/1.73m2 regardless of albuminuria'.
exe.

KIDFAILGP : (D) Chronic disease stage (grouped)
1 Normal: eGFR 60+ ml/min/1.73m2 and normal albuminuria
2 Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria
3 Stage 2: eGFR 60-89 ml/min/1.73m2 and micro- or macro-albuminuria
4 Stage 3a/3b: eGFR 30-59 ml/min/1.73m2 regardless of albuminuria
5 Stage 4/5: eGFR less than 30 ml/min/1.73m2 regardless of albuminuria

SPSS syntax
compute kidfailgp=9.
IF eGFRgp4=1 and albcregp=1 kidfailgp=1.
IF eGFRgp4=2 and albcregp=1 kidfailgp=1.
IF eGFRgp4=1 and any(albcregp,2,3) kidfailgp=2.
IF eGFRgp4=2 and any(albcregp,2,3) kidfailgp=3.
IF eGFRgp4=3 kidfailgp=4.
IF eGFRgp4=4 kidfailgp=5.
IF eGFRgp4<0 kidfailgp=eGFRgp4.
IF albcregp<0 kidfailgp=albcregp.
VARIABLE LABELS kidfailgp "(D) Chronic disease stage (grouped)" .
VALUE LABELS kidfailgp
1 'Normal: eGFR 60+ ml/min/1.73m2 and normal albuminuria'
2 'Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria'
3 'Stage 2: eGFR 60-89 ml/min/1.73m2 and micro- or macro-albuminuria'
4 'Stage 3a/3b: eGFR 30-59 ml/min/1.73m2 regardless of albuminuria'
5 'Stage 4/5: eGFR less than 30 ml/min/1.73m2 regardless of albuminuria'.
exe.
**Diabetes**

**DIABETE2:** (D) Doctor diagnosed diabetes (excluding pregnant).

1 Yes
2 No

**SPSS syntax**

RECODE diabetes (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO diabete2.
IF (sex=2 & dioth=2) diabete2=2.
IF (ANY(-9,diabetes,dipreg)) diabete2=-9.
IF (ANY(-8,diabetes,dipreg)) diabete2=-8.
if age<=15 diabete2=-1.
VARIABLE LABEL diabete2 "(D) Doctor diagnosed diabetes (excluding pregnant)".
VALUE LABELS diabete2
  1 "Yes"
  2 "No".

**DIABTTYPE:** (D) Type of diabetes

1 Type 2
2 Not diabetic
3 Type 1

**SPSS syntax**

RECODE diabete2 (ELSE=Copy) INTO diabtype.
DO IF (diage<35 and insulin=1).
RECODE diabtype (1=3).
END IF.
VARIABLE LABELS diabtype '(D) Type of diabetes'.
VALUE LABELS diabtype
  1 'Type 2'
  2 'Not diabetic'
  3 'Type 1'.
Urine

Sodival: (D) Valid Sodium Result

**SPSS syntax**

compute sodival=-5.
if sodiumq=-2 sodival=-2.
if sodium=-1 sodival=-1.

if sodiumq=-1 and sodium>=1 sodival=1.
variable labels sodival "(D) Valid Sodium Result".