

**Scottish Health Survey**

**2010**

**2011**

**COMBINED DATASET  
User Guide**

A survey carried out on behalf of The Scottish Government Health Directorates and NHS Health Scotland

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# 1. Background

The data file contains data from Scottish Health Survey 2010 and 2011 (SHeS10 and SHeS11), part of a series of surveys designed to monitor trends in the nation's health. The Scottish Health Survey was commissioned by the Scottish Government and carried out by the Scottish Centre for Social Research, the Department of Epidemiology and Public Health at University College, London, and the CSO/MRC Social and Public Health Sciences Unit, Glasgow.

The aims of the Scottish Health Survey series are:

- to provide data about the nation's health;
- to estimate the prevalence of particular health conditions;
- to estimate the prevalence of risk factors associated with these conditions;
- to examine differences between population subgroups; and between Scotland and England
- to contribute towards monitoring progress towards selected health targets;
- to monitor trends in the population's health over time

Further details about SHeS are available [here](#).

This user guide provides an overview of the key elements of the combined dataset that users need to know before conducting any analysis. It is designed to be read in conjunction with the documentation supplied with the 2010 and 2011 datasets.

The dataset includes all individuals who gave an interview in 2010 or 2011. It contains the data from the household questionnaire, main individual schedule, self-completions, the nurse visit (where one occurred) and the KAM interview (if the respondent had been selected for this part of the study). It does **not** contain any data from the rotating modules that are asked only in alternate years (see APPENDIX A).

The dataset has been provided to give a bigger base for analysis for individual variables. The individual datasets should be used for analysis of individual years, including comparison between years.

The individual identifier `cpserialA` is based on `pserialA` the archive individual serial number in the 2010 or 2011 archived dataset. The prefix '30' added for 2010 and the prefix '40' added for 2011 to ensure that there are no duplicate serial numbers.

This is a repeated cross-sectional study so different households and individuals were interviewed each year

## 2. Documentation

Full documentation for each of the individual survey years can be found [here](#)

## 3. Dataset

The combined dataset consists of one individual level file

dataset name	number of records	number of variables
SHeS1011i.sav	18569	20002

## 4. Weighting variables for combined dataset

New weights were produced for the combined dataset. Weighting is used to correct for different selection probabilities and for non-response. The non-response weights were designed to adjust for non-contact and for refusals of entire households, the non-response of individuals within responding households, and non-response to specific aspects of the study (the KAM module, the nurse visit, the blood sample). Separate weights exist for adults and children. The aim of each set of weights is that each of the main response groups (individuals responding to the different parts the interview, individuals who see a nurse, and individuals who give blood) can be treated as broadly representative of the general household population. The weights were designed so that the weighted age/sex profile of the sample matched the GROS 2010 to 2011 mid-year household population estimates for Scotland.

Weight name	When it should be used	Primary aim of this weight
Int1011_wt (adults)	Analysis of items in core questionnaire	Adjusts for differences between responding and non-responding individuals within cooperating households
KAM1011_wt (adults)	KAM module analysis (variables with labels starting "KAM")	Adjusts for differences between those who answered the KAM module and those who did not Adjusts for the selection of one adult per household
cint1011_wt (children)	Analysis of child data	Adjusts for the selection of just two children per household Adjusts for differences between responding and non-responding households Individual non-response weighting was not needed as response was high among children in cooperating households
nurs1011_wt (adults)	Nurse questionnaire analysis (with exception of blood samples)	Adjusts for differences between adults who had, and those who did not have, a nurse visit
blod1011_wt (adults)	Blood sample analysis	Adjusts for differences between those who gave a blood sample and those who did not
vitd1011wt (adults)	Blood sample vitamin D analysis	Adjusts for uneven spread of fieldwork across months

The different aspects of the survey are obviously all linked. **The weighting variable selected should always match the dependent variable in the analysis.** For example, to analyse data collected in the nurse interview on its own, or in relation to data collected in the core interview questionnaire (e.g. cotinine level by smoking history, lung-function by respiratory symptoms) the Nur1011\_wt weight should be used. To look at the blood data on its own, or by other nurse data, or by interview data in the core interview questionnaire, the Blod1011\_wt should be used. Conversely, to look at data in the core interview questionnaire

by nurse or blood data (e.g. smoking history by cotinine level, or respiratory symptoms by lung-function, or CVD prevalence by total cholesterol level) the Int1011\_wt weight should be used.

Full details of the weighting are provided in the main Technical Reports published for each year.

## APPENDIX A

### SCOTTISH HEALTH SURVEY TOPICS

#### 1) Interviewer visit

<b>Questionnaire Items</b>	<b>Respondent</b>	<b>Year</b>
Household information	Household reference person/spouse	ALL
General health	All ages	ALL
Cardio-vascular disease and use of health services	16+	ALL
Adult physical activity	16+	ALL
Child physical activity	2-15 years	ALL
Child eating habits	2-15 years	ALL
Fruit and vegetable consumption	2+	ALL
Smoking and drinking	16+*	ALL
Dental health	16+	ALL
Employment status, educational background	16+	ALL
Ethnic background	All ages	ALL
Religion	16+	ALL
Parental social class & health history	16+	ALL
Height measurement	2+	ALL
Weight measurement	All ages	ALL
Knowledge, Attitudes and Motivations module	16+ (one adult selected at random)	ALL
Respiratory & CVD Symptoms	16+	2008/2010
Asthma	16+	2008/2010
Adult eating habits	16+	2008/2010
Physical activity at work	16+	2008/2010
TV viewing and	All ages	2008/2010
Outdoor physical activity	All ages	2008/2010
Eating habits - adults	16+	2008/2010
Accidents	All ages	2009/2011
Dental services	16+	2009/2011
Social capital	16+	2009/2011
Discrimination and harassment	16+	2009/2011
Dental services	16+	2009/2011
Stress at work	16+	2009/2011
<b>Self completions</b>		
Smoking	16-17*	ALL
Drinking	16-17*	ALL
General Health Questionnaire 12	13+	ALL
Warwick-Edinburgh Mental Wellbeing Scale	16+	ALL
Contraceptive use	16+	ALL
Strength and difficulties questionnaire	Parents of 4-12 year olds	ALL
Attitudes to health CASI self-completion**	16+ (one adult selected at random)	ALL

\*18 - 19 year olds answer these questions either in the self-completion or in the main interview, at the interviewers' discretion.

#### 2) Nurse Visit – ALL YEARS

<b>NURSE Measurements</b>	<b>Respondent</b>
Details of prescribed drugs	16+
Vitamin supplements	16+
Stress, anxiety and self-harm	16+
Food poisoning	16+
Nicotine replacement products	16+

Blood pressure	16+
Waist and hip circumferences	16+
Demi-Span	65+
Lung Function	16+
Blood sample	16+
Saliva sample (for cotinine)	16+
Urine sample (for dietary sodium)	16+