

# South Africa - Demographic and Health Survey 1998, South Africa

**Department of Health, SA Medical Research Council**

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## Overview

### Identification

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ID NUMBER  
zaf-doh-dhs-1998-v1

### Version

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VERSION DESCRIPTION  
v1: Edited, anonymised data for public distribution

PRODUCTION DATE  
2001

### Overview

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ABSTRACT  
The aim of the 1998 South Africa Demographic and Health Survey (SADHS) was to collect data as part of the National Health Information System of South Africa (NHIS/SA). The survey results are intended to assist policymakers and programme managers in evaluating and designing programmes and strategies for improving health services in the country.

KIND OF DATA  
Sample survey data

UNITS OF ANALYSIS  
Households and individuals

### Scope

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NOTES  
The primary objective of the SADHS is to provide up-to-date information on:

- basic demographic rates, particularly fertility and childhood mortality levels,
- awareness and use of contraceptive methods,
- breastfeeding practices,
- maternal and child health,
- awareness of HIV/AIDS,
- chronic health conditions among adults,
- lifestyles that affect the health status of adults, and
- anthropometric indicators.

### Coverage

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GEOGRAPHIC COVERAGE

The survey had national coverage.

#### GEOGRAPHIC UNIT

The lowest level of geographic aggregation of the data is Province.

#### UNIVERSE

The 1998 South African Demographic and Health Survey (SADHS) covered the population living in private households in the country. It is only representative of women in South Africa between the ages of 15 and 49. An adult health module was also administered to a sample of adults aged 15 and over in half of the households selected for the main survey.

## Producers and Sponsors

#### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Department of Health	Government of South Africa
Medical Research Council	Government of South Africa

#### OTHER PRODUCER(S)

Name	Affiliation	Role
		Technical assistance

#### FUNDING

Name	Abbreviation	Role
United States Agency for International Development	USAID	Funder

#### OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Health Systems Research		Coordination
Research Co-ordination and Epidemiology Directorate		Coordination
Centre for Health Systems Research and Development		Technical assistance in field work
University of the Orange Free State		Technical assistance in field work

## Metadata Production

#### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
DataFirst		University of Cape Town	Metadata Producer

#### DATE OF METADATA PRODUCTION

2020-06-03

#### DDI DOCUMENT VERSION

Version 7

## Sampling

### Sampling Procedure

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The sample for the SADHS was selected in two stages. Due to confidentiality of the census data, the sampling was carried out by experts at the CSS according to specifications developed by members of the SADHS team. Within each stratum a two stage sample was selected. The primary sampling units (PSUs), corresponded to the EAs and will be selected with probability proportional to size (PPS), the size being the number of households residing in the EA, or where this was not available, the number of census visiting points in the EA. This led to 972 PSUs being selected for the SADHS (690 in urban areas and 282 in non-urban areas). Where provided by SSA, the lists of visiting points together with the households found in these visiting points, or alternatively a map of the EA which showed the households, was used as the frame for second-stage sampling to select the households to be visited by the SADHS interviewing teams during the main survey fieldwork.

### Response Rate

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The results for the usual DHS schedule (women's questionnaire) indicate that of 12,860 households selected in the survey, 95.2 percent were successfully interviewed. The main reasons for not successfully interviewing the households were refusals (1.8 percent), dwelling vacant (1 percent) and household absent (0.6 percent). The response rate at the household level was 97 percent. In these households there were 12,327 women aged 15-49, 95 percent of whom were successfully interviewed. The overall response rate for the women's questionnaire is thus 92.3 percent

# Questionnaires

## Overview

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The questionnaires were used.

## Data Collection

### Data Collection Dates

<b>Start</b>	<b>End</b>	<b>Cycle</b>
1998-01	1998-09	N/A

### Data Collection Mode

Face-to-face [f2f]

### Questionnaires

The questionnaires were used.

### Data Collectors

Name	Abbreviation	Affiliation
University of the Orange Free State		
Centre for Health Systems Research and Development		

### Supervision

In the course of the fieldwork, quality control measures were instituted at three levels. First, field team leaders and editors were trained to identify the enumerator areas included in the sample and guide interviewers in the selection of dwellings for interviews. Secondly, approximately 10 percent of the sample were re-visited in the months of the interview to ensure that the appropriate dwellings were selected and interviewed. Thirdly, a team consisting of staff from the HSRC carried out independent quality control visits to check questionnaires for errors, quality of identification and interviews at the enumerator area and dwelling levels.

## Data Processing

### Data Editing

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All completed questionnaires for the SADHS were submitted to the provincial offices of King Finance (who were in partnership with the Centre for Health Systems Research at the University of the Free State), which then forwarded them to the MRC for data processing. The questionnaires were processed at the Medical Research Council offices in Cape Town.

The processing operation consisted of office editing, coding of open-ended questions, initial data entry and subsequent re-entry of all questionnaires to ensure correct data-capture, and finally editing inconsistencies found by the computer program. The SADHS data entry and editing programs were written using ISSA (Integrated System for Survey Analysis) by staff from Macro International. A small proportion of the questionnaires were returned to the field to complete missing information. Data processing commenced in mid-March 1998 and was completed in October 1998.

# Data Appraisal

## **Estimates of Sampling Error**

The computer software used to calculate sampling errors for the SADHS is the ISSA Sampling Error Module. This module used the Taylor linearisation method of variance estimation for survey estimates that are means or proportions. The Jackknife repeated replication method is used for variance estimation of more complex statistics such as fertility and mortality rates.

## **Other forms of Data Appraisal**

Non-sampling errors are the results of mistakes made in implementing data collection and data processing, such as failure to locate and interview the correct household, misunderstanding of the questions on the part of either the interviewer or the respondent, and data entry errors. Although numerous efforts were made during the implementation of the SADHS to minimise this type of error, non-sampling errors are impossible to avoid and difficult to evaluate statistically.





# Documentation

## Questionnaires

### q-zaf-doh-dhs-1998-adult.pdf

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Title q-zaf-doh-dhs-1998-adult.pdf  
 subtitle Adult health questionnaire  
 Date 1998-01-12  
 Country South Africa  
 Language English  
 Description This is the questionnaire covering adults in the survey  
 Filename q-dhs-sa-1998-adult.pdf

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### q-zaf-doh-dhs-1998-hhold.pdf

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Title q-zaf-doh-dhs-1998-hhold.pdf  
 subtitle Household schedule  
 Date 1998-01-19  
 Country South Africa  
 Language English  
 Description This is the questionnaire to collect data on households in the survey  
 Filename q-dhs-sa-1998-hhold.pdf

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### q-zaf-doh-dhs-1998-women.pdf

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Title q-zaf-doh-dhs-1998-women.pdf  
 subtitle Women questionnaire  
 Date 1998-01-15  
 Country South Africa  
 Language English  
 Description This is the questionnaire to administer to women in the survey  
 Filename q-dhs-sa-1998-women.pdf

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## Reports

### zaf-doh-dhs-1998-report.pdf

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Title zaf-doh-dhs-1998-report.pdf  
 subtitle Full report  
 Date 2001-01-01  
 Country South Africa  
 Language English  
 Description This is the final report from the survey  
 Filename dhs-sa-1998-report.pdf

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