

APPENDIX B

ESTIMATES OF SAMPLING ERRORS

The estimates from a sample survey are affected by two types of errors: (1) non-sampling errors, and (2) sampling errors. 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.

Sampling errors, on the other hand, can be evaluated statistically. The sample of respondents selected in the SADHS is only one of many samples that could have been selected from the same population, using the same design and expected size. Each of these samples would yield results that differ somewhat from the results of the actual sample selected. Sampling errors are a measure of the variability between all possible samples. Although the degree of variability is not known exactly, it can be estimated from the survey results.

A sampling error is usually measured in terms of the *standard error* for a particular statistic (mean, percentage, etc.), which is the square root of the variance. The standard error can be used to calculate confidence intervals within which the true value for the population can reasonably be assumed to fall. For example, for any given statistic calculated from a sample survey, the value of that statistic will fall within a range of plus or minus two times the standard error of that statistic in 95 percent of all possible samples of identical size and design.

If the sample of respondents had been selected as a simple random sample, it would have been possible to use straightforward formulas for calculating sampling errors. However, the SADHS sample is the result of a two-stage stratified design, and, consequently, it was necessary to use more complex formulae. 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.

The Taylor linearisation method treats any percentage or average as a ratio estimate, $r = y/x$, where y represents the total sample value for variable y , and x represents the total number of cases in the group or subgroup under consideration. The variance of r is computed using the formula given below with the standard error being the square root of the variance:

$$var(r) = \frac{1-f}{x^2} \sum_{h=1}^H \left[\frac{m_h}{m_h - 1} \left(\frac{\sum_{i=1}^{m_h} z_{hi}^2}{m_h} - \frac{z_h^2}{m_h} \right) \right]$$

in which

$$z_{hi} = y_{hi} - r.x_{hi} , \text{ and } z_h = y_h - r.x_h$$

where h represents the stratum which varies from 1 to H ,
 m_h is the total number of enumeration areas (EAs) selected in the h^{th} stratum,

y_{hi} is the weighted sum of the values of variable y in the i^{th} EA in the h^{th} stratum,
 x_{hi} is the weighted sum of the number of cases in the i^{th} EA in the h^{th} stratum, and
 f is the overall sampling fraction, which is so small that it is ignored.

The Jackknife repeated replication method derives estimates of complex rates from each of several replications of the parent sample, and calculates standard errors for these estimates using simple formulae. Each replication considers *all but one* clusters in the calculation of the estimates. Pseudo-independent replications are thus created. In the SADHS, there were 966 non-empty clusters. Hence, 965 replications were created. The variance of a rate r is calculated as follows:

$$SE^2(R) = var(r) = \frac{1}{k(k-1)} \sum_{i=1}^k (r_i - r)^2$$

in which

$$r_i = kr - (k-1)r_{(i)}$$

where r is the estimate computed from the full sample of 966 clusters,
 $r_{(i)}$ is the estimate computed from the reduced sample of 965 clusters (i^{th} cluster excluded),
 and
 k is the total number of clusters.

In addition to the standard error, ISSA computes the design effect (DEFT) for each estimate, which is defined as the ratio between the standard error using the given sample design and the standard error that would result if a simple random sample had been used. A DEFT value of 1.0 indicates that the sample design is as efficient as a simple random sample, while a value greater than 1.0 indicates the increase in the sampling error due to the use of a more complex and less statistically efficient design. ISSA also computes the relative error and confidence limits for the estimates.

Sampling errors for the SADHS are calculated for selected variables considered to be of primary interest. The results are presented in this appendix for the country as a whole, for urban and rural areas, for each of the 9 provinces, and for each of the four population groups. For each variable, the type of statistic (mean, proportion, or rate) and the base population are given in Table B.1. Tables B.2 to B.17 present the value of the statistic (R), its standard error (SE), the number of unweighted (N) and weighted (WN) cases, the design effect (DEFT), the relative standard error (SE/R), and the 95 percent confidence limits ($R \pm 2SE$), for each variable. The DEFT is considered undefined when the standard error considering simple random sample is zero (when the estimate is close to 0 or 1). In the case of the total fertility rate, the number of unweighted cases is not relevant since there is no known unweighted value for woman-years of exposure to childbearing.

The confidence interval (e.g., as calculated for *children ever born to women age 15-49*) can be interpreted as follows: the overall average from the national sample is 1.939 and its standard error is .024. Therefore, to obtain the 95 percent confidence limits, one adds and subtracts twice the standard error to the sample estimate, i.e., $1.939 \pm 2 \times .024$. There is a high probability (95 percent) that the *true* average number of children ever born to all women aged 15 to 49 is between 1.891 and 1.987.

Sampling errors are analysed for the national sample and for two separate groups of estimates: (1) means and proportions, and (2) complex demographic rates. The relative standard errors (SE/R) for the means and proportions range between 0 percent and 34 percent with an average of 4.6 percent; the highest

relative standard errors are for estimates of very low values (e.g., *currently using periodic abstinence* among currently married women). If estimates of very low values (less than 10 percent) were removed, then the average drops to 2.1 percent. So in general, the relative standard error for most estimates for the country as a whole is small, except for estimates of very small proportions. The relative standard error for the total fertility rate is small, 2.7 percent. However, for the mortality rates, the average relative standard error is higher, 8.2 percent.

There are differentials in the relative standard error for the estimates of sub-populations. For example, for the variable *with standard 6 or higher*, the relative standard errors as a percent of the estimated mean for the whole country, for the rural areas, and for Northern Cape Province are 1.0 percent, 2.3 percent, and 4.9 percent, respectively.

For the total sample, the value of the design effect (DEFT) averaged over all variables is 1.33, which means that due to multi-stage clustering of the sampling error is increased by a factor of 1.33 over that in an equivalent simple random sample.

Table B.1 List of selected variables for sampling errors, South Africa 1998

Variable	Description	Base population
Urban	Proportion	All women 15-49
No education	Proportion	All women 15-49
Reached standard 6 or higher	Proportion	All women 15-49
Never married	Proportion	All women 15-49
Currently married	Proportion	All women 15-49
Married before age 20	Proportion	All women 15-49
Sex before age 18	Proportion	All women 15-49
Children ever born	Mean	All women 15-49
Children ever born to women over 40	Mean	All women 40-49
Children surviving	Mean	All women 15-49
Knowing any contraceptive method	Proportion	Currently married women 15-49
Knowing any modern contraceptive method	Proportion	Currently married women 15-49
Ever used any contraceptive method	Proportion	Currently married women 15-49
Currently using any method	Proportion	Currently married women 15-49
Currently using a modern method	Proportion	Currently married women 15-49
Currently using pill	Proportion	Currently married women 15-49
Currently using IUD	Proportion	Currently married women 15-49
Currently using injections	Proportion	Currently married women 15-49
Currently using condom	Proportion	Currently married women 15-49
Currently using female sterilisation	Proportion	Currently married women 15-49
Currently using male sterilisation	Proportion	Currently married women 15-49
Currently using calendar/rhythm method	Proportion	Currently married women 15-49
Currently using withdrawal	Proportion	Currently married women 15-49
Using public sector source	Proportion	Current users of modern method
Want no more children	Proportion	Currently married women 15-49
Want to delay at least 2 years	Proportion	Currently married women 15-49
Ideal number of children	Mean	All women 15-49
Mothers received tetanus injection	Proportion	Births in last 5 years
Mothers received medical care at birth	Proportion	Births in last 5 years
Had diarrhoea in the last 2 weeks	Proportion	Children under 5
Treated with ORS packets	Proportion	Children under 5 with diarrhoea in last 2 weeks
Sought medical treatment	Proportion	Children under 5 with diarrhoea in last 2 weeks
Having health card, seen	Proportion	Children 12-23 months
Received BCG vaccination	Proportion	Children 12-23 months
Received DPT vaccination (3 doses)	Proportion	Children 12-23 months
Received polio vaccination (3 doses)	Proportion	Children 12-23 months
Received measles vaccination	Proportion	Children 12-23 months
Fully immunised	Proportion	Children 12-23 months
Total fertility rate (3 years)	Rate	Women-years of exposure to childbearing

Table B.1 continued

Variable	Description	Base population
Neonatal mortality rate (10 years)	Rate	Number of births exposed to death
Infant mortality rate (10 years)	Rate	Number of births exposed to death
Child mortality rate (10 years)	Rate	Number of births exposed to death
Under-five mortality rate (10 years)	Rate	Number of births exposed to death
Postneonatal mortality rate (10 years)	Rate	Number of births exposed to death
Injuries in the last month (men)	Rate	All men over 15 years
Injuries in the last month (women)	Rate	All women over 15 years
Currently smoking (occasionally or daily) (men)	Proportion	All men over 15 years
Currently smoking (occasionally or daily) (women)	Proportion	All women over 15 years
Drink alcohol ≥ 3 or 4 (week or weekend)(men)	Proportion	All men over 15 years
Drink alcohol ≥ 3 or 4 (week or weekend)(women)	Proportion	All women over 15 years
Waist circumference (men)	Mean	All men over 15 years
Waist circumference (women)	Mean	All women over 15 years
Hip circumference	Proportion	All adults over 15 years
Waist/hip ratio	Proportion	All adults over 15 years
Injuries in the last month (men)	Rate	All men over 15 years
Injuries in the last month (women)	Rate	All women over 15 years
Currently smoking (occasionally or daily) (men)	Proportion	All men over 15 years
Currently smoking (occasionally or daily) (women)	Proportion	All women over 15 years
Drink alcohol ≥ 3 or 4 (week or weekend)(men)	Proportion	All men over 15 years
Drink alcohol ≥ 3 or 4 (week or weekend)(women)	Proportion	All women over 15 years
Hip circumference (men)	Mean	All men over 15 years
Hip circumference (women)	Mean	All women over 15 years
Waist/hip ratio (men)	Mean	All men over 15 years
Waist/hip ratio (women)	Mean	All women over 15 years
MUAC (men)	Mean	All men over 15 years
MUAC (women)	Mean	All women over 15 years
Height (men)	Mean	All men over 15 years
Height (women)	Mean	All women over 15 years
Body Mass Index (men)	Mean	All men over 15 years
Body Mass Index (women)	Mean	All women over 15 years
Obesity (men)	Proportion	All men over 15 years
Obesity (women)	Proportion	All women over 15 years
Systolic Blood Pressure (men)	Mean	All men over 15 years
Systolic Blood Pressure (women)	Mean	All women over 15 years
Diastolic Blood Pressure (men)	Mean	All men over 15 years
Diastolic Blood Pressure (women)	Mean	All women over 15 years
Pulse (men)	Proportion	All men over 15 years
Pulse (women)	Proportion	All women over 15 years
Hypertension1	Proportion	All adults over 15 years
Airflow Limitation	Proportion	All adults over 15 years
Chronic Bronchitis	Proportion	All adults over 15 years
Abnormal Peak Flow	Proportion	All adults over 15 years

Table B.2 Sampling errors - Total sample, South Africa 1998

Variable	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un-weighted (N)	Weighted (WN)			Value-SE (R-2SE)	Value+2SE (R+2E)
Urban	0.605	0.006	11735	11735	1.312	0.010	0.593	0.616
No education	0.068	0.004	11735	11735	1.506	0.051	0.061	0.075
Reached standard 6 or higher	0.683	0.007	11735	11735	1.652	0.010	0.669	0.697
Never married	0.483	0.007	11735	11735	1.488	0.014	0.469	0.496
Currently married	0.433	0.007	11735	11735	1.431	0.015	0.420	0.446
Married before age 20	0.240	0.006	9362	9486	1.269	0.023	0.229	0.252
Sex before age 18	0.463	0.007	9362	9486	1.429	0.016	0.448	0.478
Children ever born	1.939	0.024	11735	11735	1.313	0.012	1.891	1.987
Children ever born to women over 40	3.738	0.062	2221	2264	1.263	0.017	3.614	3.861
Children surviving	1.785	0.022	11735	11735	1.294	0.012	1.742	1.828
Knowing any contraceptive method	0.981	0.003	4948	5077	1.439	0.003	0.976	0.987
Knowing any modern contraceptive method	0.980	0.003	4948	5077	1.604	0.003	0.973	0.986
Ever used any contraceptive method	0.846	0.007	4948	5077	1.401	0.008	0.832	0.860
Currently using any method	0.563	0.009	4948	5077	1.207	0.015	0.546	0.580
Currently using a modern method	0.551	0.009	4948	5077	1.221	0.016	0.534	0.568
Currently using pill	0.106	0.005	4948	5077	1.231	0.051	0.095	0.116
Currently using IUD	0.018	0.002	4948	5077	1.238	0.132	0.013	0.022
Currently using injections	0.232	0.007	4948	5077	1.229	0.032	0.217	0.247
Currently using condom	0.017	0.002	4948	5077	1.177	0.128	0.012	0.021
Currently using female sterilisation	0.158	0.006	4948	5077	1.214	0.040	0.145	0.171
Currently using male sterilisation	0.021	0.003	4948	5077	1.561	0.150	0.015	0.028
Currently using calendar/rhythm method	0.003	0.001	4948	5077	1.298	0.337	0.001	0.005
Currently using withdrawal	0.006	0.002	4948	5077	1.456	0.260	0.003	0.010
Using public sector source	0.836	0.007	5777	5790	1.491	0.009	0.821	0.850
Want no more children	0.436	0.008	4948	5077	1.124	0.018	0.421	0.452
Want to delay at least 2 years	0.124	0.006	4948	5077	1.275	0.048	0.112	0.136
Ideal number of children	2.859	0.021	11567	11550	1.475	0.008	2.816	2.902
Mothers received tetanus injection	0.588	0.011	5066	4992	1.442	0.019	0.565	0.610
Mothers received medical care at birth	0.844	0.008	5066	4992	1.414	0.010	0.827	0.860
Had diarrhoea in the last 2 weeks	0.132	0.006	4797	4740	1.174	0.046	0.120	0.144
Treated with ORS packets	0.512	0.025	634	627	1.200	0.049	0.462	0.562
Sought medical treatment	0.592	0.027	634	627	1.316	0.046	0.538	0.646
Having health card, seen	0.746	0.017	971	973	1.201	0.023	0.712	0.780
Received BCG vaccination	0.968	0.006	971	973	1.151	0.007	0.955	0.981
Received DPT vaccination (3 doses)	0.764	0.018	971	973	1.323	0.024	0.728	0.800
Received polio vaccination (3 doses)	0.721	0.018	971	973	1.229	0.025	0.685	0.756
Received measles vaccination	0.822	0.016	971	973	1.289	0.019	0.791	0.854
Fully immunised	0.634	0.021	971	973	1.325	0.033	0.593	0.675
Total fertility rate (3 years)	2.896	0.079	NA	33082	1.630	0.027	2.737	3.055
Neonatal mortality rate (10 years)	19.169	1.686	10555	10472	1.182	0.088	15.796	22.541
Infant mortality rate (10 years)	42.214	2.655	10566	10481	1.248	0.063	36.904	47.524
Child mortality rate (10 years)	15.376	1.732	10590	10498	1.360	0.113	11.911	18.841
Under-five mortality rate (10 years)	56.941	3.229	10602	10508	1.308	0.057	50.482	63.399
Postneonatal mortality rate (10 years)	23.046	2.050	10565	10480	1.283	0.089	18.945	27.146
Injuries in the last month age >15 (men)	0.018	0.001	14535	14679	1.055	0.069	0.015	0.020
Injuries in the last month age >15 (women)	0.008	0.001	17898	17937	1.091	0.102	0.006	0.010
Currently smoking (occasionally or daily) (men)	0.423	0.009	5753	5671	1.123	0.020	0.406	0.440
Currently smoking (occasionally or daily) (women)	0.107	0.006	8073	8155	1.553	0.060	0.0944	0.120
Drink alcohol >= 3 or 4 (week)(men)	0.031	0.003	5753	5671	0.975	0.108	0.026	0.036
Drink alcohol >= 3 or 4 (weekend)(men)	0.144	0.006	5753	5671	1.087	0.040	0.133	0.155
Drink alcohol >= 3 or 4 (week)(women)	0.015	0.002	8073	8155	1.025	0.105	0.012	0.105
Drink alcohol >= 3 or 4 (weekend)(women)	0.054	0.003	8073	8155	1.061	0.054	0.048	0.054
Hip circumference (men)	94.153	0.218	5396	5290	1.286	0.002	93.725	94.581
Hip circumference (women)	104.645	0.233	7713	7776	1.195	0.002	104.187	105.103
Waist/hip ratio (men)	0.868	0.002	5396	5290	1.090	0.002	0.865	0.872
Waist/hip ratio (women)	0.818	0.002	7713	7776	1.197	0.002	0.815	0.821
MUAC (men)	28.032	0.079	5396	5290	1.247	0.003	27.877	28.188
MUAC (women)	30.176	0.080	7713	7776	1.134	0.003	30.019	30.332
Height (men)	168.612	0.174	5396	5290	1.305	0.0174	168.270	168.954
Height (women)	158.269	0.127	7713	7776	1.335	0.001	158.020	158.518
Body Mass Index (men)	22.861	0.083	5396	5290	1.185	0.004	22.697	23.025
Body Mass Index (women)	27.078	0.103	7713	7776	1.140	0.004	26.876	27.279
Obesity (men)	1.930	0.004	5396	5290	1.065	0.002	1.921	1.939
Obesity (women)	1.707	0.007	7713	7776	1.115	0.004	1.693	1.721
Systolic Blood Pressure (men)	123.207	0.382	5553	5463	1.189	0.003	122.457	123.957
Systolic Blood Pressure (women)	118.619	0.363	7747	7798	1.203	0.003	117.906	119.332
Diastolic Blood Pressure (men)	75.886	0.256	5555	5465	1.204	0.003	75.384	76.388
Diastolic Blood Pressure (women)	75.236	0.203	7749	7799	1.171	0.003	74.837	75.634
Pulse (men)	72.967	0.228	5660	5564	1.193	0.003	72.519	73.414
Pulse (women)	76.680	0.186	7859	7910	1.150	0.002	76.315	77.046
Hypertensive (men)	0.126	0.006	5753	5671	1.084	0.046	0.115	0.138
Hypertensive (women)	0.163	0.006	8073	8155	1.111	0.034	0.152	0.174
Airflow Limitation (men)	0.067	0.005	5753	5671	1.167	0.072	0.057	0.076
Airflow Limitation (women)	0.086	0.004	8073	8155	1.114	0.049	0.078	0.094
Chronic Bronchitis (men)	0.0233	0.003	5753	5671	1.081	0.109	0.018	0.028
Chronic Bronchitis (women)	0.028	0.002	8073	8155	1.029	0.082	0.023	0.032
Abnormal Peak Flow (men)	0.040	0.003	5753	5671	1.029	0.082	0.034	0.047
Abnormal Peak Flow (women)	0.041	0.003	8073	8155	1.144	0.076	0.035	0.047

Table B.3 Sampling errors - Urban sample, South Africa 1998

Variable	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un-weighted (N)	Weighted (WN)			Value-2SE (R-2SE)	Value+2SE (R+2SE)
Urban	1.000	0.000	6518	7095	NA	0.000	1.000	1.000
No education	0.033	0.003	6518	7095	1.261	0.084	0.028	0.039
Reached standard 6 or higher	0.777	0.007	6518	7095	1.452	0.010	0.762	0.792
Never married	0.479	0.009	6518	7095	1.448	0.019	0.461	0.497
Currently married	0.428	0.009	6518	7095	1.419	0.020	0.411	0.446
Married before age 20	0.198	0.006	5362	5898	1.161	0.032	0.185	0.21
Sex before age 18	0.421	0.010	5362	5898	1.433	0.023	0.402	0.441
Children ever born	1.720	0.027	6518	7095	1.254	0.016	1.667	1.774
Children ever born to women over 40	3.218	0.064	1317	1459	1.222	0.020	3.089	3.347
Children surviving	1.608	0.025	6518	7095	1.277	0.016	1.557	1.658
Knowing any contraceptive method	0.993	0.002	2689	3038	1.072	0.002	0.989	0.996
Knowing any modern contraceptive method	0.993	0.002	2689	3038	1.072	0.002	0.989	0.996
Ever used any contraceptive method	0.910	0.007	2689	3038	1.310	0.008	0.895	0.924
Currently using any method	0.637	0.011	2689	3038	1.207	0.018	0.615	0.660
Currently using a modern method	0.628	0.011	2689	3038	1.220	0.018	0.605	0.651
Currently using pill	0.134	0.008	2689	3038	1.214	0.060	0.118	0.150
Currently using IUD	0.027	0.004	2689	3038	1.201	0.140	0.019	0.034
Currently using injections	0.212	0.010	2689	3038	1.270	0.047	0.192	0.232
Currently using condom	0.021	0.003	2689	3038	1.173	0.153	0.015	0.028
Currently using female sterilisation	0.203	0.010	2689	3038	1.232	0.047	0.184	0.222
Currently using male sterilisation	0.031	0.005	2689	3038	1.430	0.153	0.022	0.041
Currently using calendar/rhythm method	0.005	0.002	2689	3038	1.252	0.346	0.001	0.008
Currently using withdrawal	0.003	0.001	2689	3038	1.250	0.460	0.000	0.005
Using public sector source	0.795	0.010	3595	3884	1.480	0.013	0.775	0.815
Want no more children	0.407	0.011	2689	3038	1.161	0.027	0.385	0.429
Want to delay at least 2 years	0.108	0.008	2689	3038	1.300	0.072	0.092	0.123
Ideal number of children	2.593	0.022	6429	6995	1.242	0.008	2.550	2.637
Mothers received tetanus injection	0.462	0.015	2247	2470	1.286	0.032	0.432	0.492
Mothers received medical care at birth	0.934	0.007	2247	2470	1.298	0.008	0.920	0.949
Had diarrhoea in the last 2 weeks	0.108	0.008	2158	2374	1.163	0.075	0.091	0.124
Treated with ORS packets	0.488	0.041	235	255	1.188	0.083	0.407	0.569
Sought medical treatment	0.633	0.040	235	255	1.212	0.063	0.553	0.713
Having health card, seen	0.753	0.023	433	491	1.126	0.030	0.707	0.799
Received BCG vaccination	0.980	0.008	433	491	1.230	0.008	0.963	0.996
Received DPT vaccination (3 doses)	0.817	0.019	433	491	1.053	0.023	0.779	0.856
Received polio vaccination (3 doses)	0.755	0.023	433	491	1.137	0.031	0.709	0.801
Received measles vaccination	0.851	0.020	433	491	1.220	0.024	0.810	0.892
Fully immunised	0.671	0.025	433	491	1.108	0.037	0.622	0.720
Total fertility rate (3 years)	2.254	0.073	NA	20171	1.362	0.033	2.107	2.401
Neonatal mortality rate (10 years)	16.383	2.276	4817	5298	1.211	0.139	11.830	20.936
Infant mortality rate (10 years)	32.556	3.281	4819	5301	1.257	0.101	25.994	39.117
Child mortality rate (10 years)	11.027	1.810	4831	5311	1.176	0.164	7.407	14.647
Under-five mortality rate (10 years)	43.223	3.647	4833	5314	1.199	0.084	35.930	50.517
Postneonatal mortality rate (10 years)	16.172	2.436	4819	5301	1.325	0.151	11.301	21.044
Injuries in the last month (men)	0.020	0.002	8353	9047	1.050	0.093	0.017	0.024
Injuries in the last month (women)	0.010	0.001	9779	10538	1.109	0.132	0.008	0.013
Currently smoking (occasionally or daily) (men)	0.441	0.011	3341	3569	1.046	0.234	0.420	0.462
Currently smoking (occasionally or daily) (women)	0.137	0.008	4411	4998	1.342	0.060	0.117	0.148
Drink alcohol >= 3 or 4 (week)(men)	0.029	0.003	3341	3569	0.966	0.114	0.023	0.036
Drink alcohol >= 3 or 4 (weekend)(men)	0.137	0.007	3341	3569	1.076	0.053	0.123	0.152
Drink alcohol >= 3 or 4 (week)(women)	0.013	0.002	4411	4998	1.055	0.155	0.009	0.017
Drink alcohol >= 3 or 4 (weekend)(women)	0.055	0.004	4411	4998	1.051	0.075	0.047	0.064
Hip circumference (men)	95.436	0.288	3113	3312	1.306	0.003	94.870	96.002
Hip circumference (women)	106.402	0.281	4235	4789	1.100	0.003	105.851	106.953
Waist/hip ratio (men)	0.870	0.002	3113	3312	1.123	0.003	0.866	0.875
Waist/hip ratio (women)	0.810	0.002	4235	4789	1.163	0.002	0.806	0.814
MUAC (men)	28.639	0.106	3113	3312	1.263	0.004	28.431	28.847
MUAC (women)	30.561	0.106	4235	4789	1.106	0.003	30.353	30.769
Height (men)	169.431	0.231	3113	3312	1.322	0.001	168.977	169.885
Height (women)	158.595	0.162	4235	4789	1.300	0.001	158.277	158.914
Body Mass Index (men)	23.341	0.111	3113	3312	1.184	0.005	23.123	23.56
Body Mass Index (women)	27.606	0.134	4235	4789	1.086	0.005	27.342	27.869
Obesity (men)	1.916	0.006	3113	3312	1.088	0.003	1.903	1.928
Obesity (women)	1.674	0.009	4235	4789	1.095	0.006	1.656	1.693
Systolic Blood Pressure (men)	124.085	0.465	3235	3448	1.093	0.004	123.172	124.998
Systolic Blood Pressure (women)	118.620	0.488	4246	4785	1.197	0.004	117.661	119.579
Diastolic Blood Pressure (men)	76.477	0.304	3237	3450	1.102	0.004	75.881	77.074
Diastolic Blood Pressure (women)	75.393	0.268	4246	4785	1.145	0.003	74.866	75.920
Pulse (men)	72.892	0.276	3279	3493	1.120	0.004	72.350	73.434
Pulse (women)	76.339	0.241	4288	4831	1.111	0.003	75.865	76.813
Hypertensive (men)	0.135	0.007	3341	3569	1.006	0.052	0.123	0.151
Hypertensive (women)	0.185	0.007	4411	4998	1.075	0.040	0.170	0.120
Airflow Limitation (men)	0.058	0.005	3341	3569	1.075	0.086	0.048	0.068
Airflow Limitation (women)	0.080	0.005	4411	4998	1.000	0.061	0.071	0.090
Chronic Bronchitis (men)	0.022	0.003	3341	3569	0.998	0.139	0.016	0.028
Chronic Bronchitis (women)	0.022	0.003	4411	4998	1.043	0.126	0.016	0.027
Abnormal Peak Flow (men)	0.039	0.004	3341	3569	1.050	0.109	0.031	0.048
Abnormal Peak Flow (women)	0.045	0.004	4411	4998	1.086	0.092	0.037	0.053

Table B.4 Sampling errors - Non-urban sample, South Africa 1998

	Value	Standard error	Number of cases		Design effect	Relative error	Confidence intervals	
			Un-weighted	Weighted			Value-2SE	Value+2SE
Urban	0.000	0.000	5217	4640	NA	NA	0.000	0.000
No education	0.122	0.008	5217	4640	1.679	0.062	0.107	0.138
Reached standard 6 or higher	0.539	0.013	5217	4640	1.822	0.023	0.514	0.564
Never married	0.488	0.011	5217	4640	1.545	0.022	0.466	0.509
Currently married	0.439	0.010	5217	4640	1.428	0.022	0.420	0.459
Married before age 20	0.311	0.010	4000	3588	1.430	0.034	0.290	0.332
Sex before age 18	0.532	0.011	4000	3588	1.386	0.021	0.510	0.554
Children ever born	2.273	0.044	5217	4640	1.364	0.019	2.186	2.361
Children ever born to women over 40	4.680	0.122	904	804	1.391	0.026	4.437	4.924
Children surviving	2.056	0.038	5217	4640	1.306	0.018	1.981	2.132
Knowing any contraceptive method	0.965	0.006	2259	2039	1.602	0.006	0.952	0.977
Knowing any modern contraceptive method	0.960	0.007	2259	2039	1.798	0.008	0.946	0.975
Ever used any contraceptive method	0.751	0.013	2259	2039	1.469	0.018	0.724	0.778
Currently using any method	0.451	0.013	2259	2039	1.225	0.028	0.425	0.477
Currently using a modern method	0.437	0.013	2259	2039	1.203	0.029	0.412	0.462
Currently using pill	0.063	0.006	2259	2039	1.136	0.092	0.052	0.075
Currently using IUD	0.004	0.001	2259	2039	1.022	0.342	0.001	0.007
Currently using injections	0.262	0.011	2259	2039	1.160	0.041	0.241	0.284
Currently using condom	0.010	0.002	2259	2039	1.039	0.217	0.006	0.014
Currently using female sterilisation	0.091	0.007	2259	2039	1.081	0.072	0.078	0.104
Currently using male sterilisation	0.006	0.004	2259	2039	2.138	0.568	0.000	0.013
Currently using calendar/rhythm method	0.000	0.000	2259	2039	0.742	1.000	0.000	0.001
Currently using withdrawal	0.012	0.004	2259	2039	1.578	0.307	0.004	0.019
Using public sector source	0.918	0.008	2182	1906	1.447	0.009	0.901	0.935
Want no more children	0.480	0.011	2259	2039	1.038	0.023	0.458	0.502
Want to delay at least 2 years	0.148	0.009	2259	2039	1.240	0.063	0.130	0.167
Ideal number of children	3.268	0.040	5138	4555	1.685	0.012	3.188	3.348
Mothers received tetanus injection	0.711	0.014	2819	2522	1.455	0.020	0.683	0.740
Mothers received medical care at birth	0.755	0.014	2819	2522	1.486	0.018	0.728	0.783
Had diarrhoea in the last 2 weeks	0.157	0.009	2639	2366	1.194	0.056	0.140	0.175
Treated with ORS packets	0.528	0.032	399	372	1.238	0.060	0.465	0.592
Sought medical treatment	0.563	0.037	399	372	1.448	0.065	0.490	0.637
Having health card, seen	0.738	0.025	538	483	1.292	0.033	0.689	0.788
Received BCG vaccination	0.956	0.010	538	483	1.146	0.011	0.936	0.976
Received DPT vaccination (3 doses)	0.710	0.030	538	483	1.512	0.042	0.650	0.769
Received polio vaccination (3 doses)	0.686	0.026	538	483	1.314	0.038	0.633	0.739
Received measles vaccination	0.793	0.024	538	483	1.397	0.031	0.744	0.842
Fully immunised	0.596	0.032	538	483	1.526	0.054	0.531	0.661
Total fertility rate (3 years)	3.924	0.145	NA	12911	1.637	0.037	3.634	4.213
Neonatal mortality rate (10 years)	22.025	2.484	5738	5175	1.187	0.113	17.058	26.993
Infant mortality rate (10 years)	52.156	4.125	5747	5180	1.270	0.079	43.907	60.406
Child mortality rate (10 years)	20.081	2.958	5759	5187	1.491	0.147	14.165	25.997
Under-five mortality rate (10 years)	71.190	5.171	5769	5194	1.377	0.073	60.848	81.531
Postneonatal mortality rate (10 years)	30.131	3.290	5746	5179	1.305	0.109	23.550	36.7
Injuries in the last month age >15 (men)	0.0135	0.002	6182	5632	1.072	0.138	0.010	0.017
Injuries in the last month age >15 (women)	0.005	0.001	8119	7399	1.038	0.190	0.003	0.007
Currently smoking (occasionally or daily) (men)	0.392	0.013	2412	2102	1.128	0.033	0.367	0.418
Currently smoking (occasionally or daily) (women)	0.066	0.006	3662	3157	1.215	0.096	0.054	0.079
Drink alcohol >= 3 or 4 (week)(men)	0.034	0.004	2412	2102	0.993	0.131	0.025	0.042
Drink alcohol >= 3 or 4 (weekend)(men)	0.155	0.009	2412	2102	1.102	0.061	0.137	0.174
Drink alcohol >= 3 or 4 (week)(women)	0.017	0.002	3662	3157	0.976	0.147	0.012	0.022
Drink alcohol >= 3 or 4 (weekend)(women)	0.051	0.004	3662	3157	1.080	0.086	0.042	0.060
Hip circumference (men)	92.005	0.311	2283	1978	1.217	0.003	91.392	92.617
Hip circumference (women)	101.827	0.365	3478	2987	1.257	0.004	101.109	102.545
Waist/hip ratio (men)	0.865	0.002	2283	1978	1.023	0.003	0.860	0.869
Waist/hip ratio (women)	0.831	0.002	3478	2987	1.199	0.003	0.826	0.836
MUAC (men)	27.017	0.114	2283	1978	1.256	0.004	26.791	27.242
MUAC (women)	29.556	0.114	3478	2987	1.150	0.004	29.334	29.781
Height (men)	167.239	0.255	2283	1978	1.289	0.002	166.736	167.742
Height (women)	157.746	0.203	3478	2987	1.404	0.001	157.346	158.146
Body Mass Index (men)	22.057	0.119	2283	1978	1.177	0.005	21.822	22.292
Body Mass Index (women)	26.231	0.149	3478	2987	1.211	0.006	1.741	1.779
Obesity (men)	1.955	0.005	2283	1978	0.986	0.003	1.945	1.966
Obesity (women)	1.760	0.010	3478	2987	1.120	0.006	1.741	1.779
Systolic Blood Pressure (men)	121.705	0.602	2318	2016	1.257	0.005	120.520	122.889
Systolic Blood Pressure (women)	118.617	0.492	3501	3013	1.127	0.004	117.648	119.586
Diastolic Blood Pressure (men)	74.874	0.441	2318	2016	1.336	0.006	74.006	75.743
Diastolic Blood Pressure (women)	74.987	0.265	3503	3015	1.055	0.265	74.464	75.509
Pulse (men)	73.093	0.386	2381	2071	1.282	0.005	72.333	73.853
Pulse (women)	77.216	0.289	3571	3079	1.215	0.004	76.647	77.785
Hypertensive (men)	0.108	0.009	2412	2102	1.119	0.084	0.090	0.125
Hypertensive (women)	0.129	0.007	3662	3157	1.023	0.054	0.115	0.143
Airflow Limitation (men)	0.081	0.008	2412	2102	1.030	0.097	0.065	0.096
Airflow Limitation (women)	0.095	0.006	3662	3157	1.042	0.006	0.083	0.108
Chronic Bronchitis (men)	0.026	0.005	2412	2102	1.219	0.177	0.017	0.035
Chronic Bronchitis (women)	0.037	0.004	3662	3157	0.930	0.0977	0.030	0.0445
Abnormal Peak Flow (men)	0.041	0.005	2412	2102	0.995	0.124	0.031	0.051
Abnormal Peak Flow (women)	0.035	0.004	3662	3157	1.253	0.128	0.026	0.044

Table B.5 Sampling errors - Western Cape sample, South Africa 1998

Variables	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un-weighted (N)	Weighted (WN)			Value-2SE (R-2SE)	Value+2SE (R+2SE)
Urban	0.896	0.024	919	1193	2.395	0.027	0.848	0.944
No education	0.02	0.004	919	1193	0.822	0.191	0.012	0.027
Reached standard 6 or higher	0.751	0.023	919	1193	1.595	0.03	0.705	0.796
Never married	0.463	0.021	919	1193	1.246	0.044	0.422	0.504
Currently married	0.455	0.018	919	1193	1.122	0.041	0.418	0.492
Married before age 20	0.172	0.015	769	998	1.089	0.086	0.142	0.201
Sex before age 18	0.335	0.017	769	998	1.017	0.052	0.300	0.37
Children ever born	1.623	0.062	919	1193	1.137	0.038	1.500	1.746
Children ever born to women over 40	3.030	0.152	177	230	1.107	0.050	2.726	3.335
Children surviving	1.572	0.060	919	1193	1.145	0.038	1.453	1.691
Knowing any contraceptive method	0.998	0.002	420	543	1.003	0.002	0.993	1
Knowing any modern contraceptive method	0.998	0.002	420	543	1.003	0.002	0.993	1
Ever used any contraceptive method	0.940	0.011	420	543	0.953	0.012	0.918	0.962
Currently using any method	0.709	0.020	420	543	0.883	0.028	0.670	0.748
Currently using a modern method	0.707	0.020	420	543	0.898	0.028	0.667	0.747
Currently using pill	0.112	0.019	420	543	1.229	0.169	0.074	0.150
Currently using IUD	0.017	0.007	420	543	1.132	0.420	0.003	0.031
Currently using injections	0.219	0.025	420	543	1.236	0.114	0.169	0.269
Currently using condom	0.010	0.005	420	543	1.009	0.497	0.000	0.019
Currently using female sterilisation	0.320	0.021	420	543	0.926	0.066	0.277	0.362
Currently using male sterilisation	0.029	0.011	420	543	1.348	0.380	0.007	0.051
Currently using calendar/rhythm method	0.002	0.002	420	543	1.010	0.999	0.000	0.007
Currently using withdrawal	0.000	0.000	420	543	NA	NA	0.000	0.000
Using public sector source	0.869	0.020	555	720	1.393	0.023	0.829	0.909
Want no more children	0.268	0.025	420	543	1.140	0.092	0.219	0.318
Want to delay at least 2 years	0.099	0.016	420	543	1.113	0.164	0.066	0.131
Ideal number of children	2.428	0.047	889	1154	0.987	0.019	2.334	2.521
Mothers received tetanus injection	0.178	0.025	312	401	1.023	0.139	0.129	0.228
Mothers received medical care at birth	0.961	0.011	312	401	0.902	0.011	0.940	0.983
Had diarrhoea in the last 2 weeks	0.099	0.017	308	396	0.987	0.171	0.065	0.133
Treated with ORS packets	0.445	0.094	31	39	1.032	0.210	0.258	0.632
Sought medical treatment	0.580	0.085	31	39	0.940	0.146	0.411	0.749
Having health card, seen	0.758	0.050	62	80	0.914	0.066	0.658	0.858
Received BCG vaccination	0.983	0.016	62	80	1.008	0.017	0.951	1.000
Received DPT vaccination (3 doses)	0.742	0.051	62	80	0.921	0.069	0.639	0.845
Received polio vaccination (3 doses)	0.725	0.054	62	80	0.952	0.075	0.617	0.834
Received measles vaccination	0.837	0.047	62	80	0.988	0.056	0.743	0.930
Fully immunised	0.642	0.063	62	80	1.030	0.098	0.516	0.768
Total fertility rate (3 years)	2.293	0.172	NA	3415	1.187	0.075	1.948	2.637
Neonatal mortality rate (10 years)	4.003	2.386	647	834	1.007	0.596	0	8.774
Infant mortality rate (10 years)	8.370	3.366	647	834	0.965	0.402	1.637	15.103
Child mortality rate (10 years)	4.844	2.777	648	835	1.012	0.573	0	10.398
Under-five mortality rate (10 years)	13.174	4.235	648	835	0.968	0.321	4.703	21.644
Postneonatal mortality rate (10 years)	4.367	2.481	647	834	0.954	0.568	0.000	9.33
Injuries in the last month age >15 (men)	0.033	0.005	1368	1754	1.062	0.156	0.023	0.043
Injuries in the last month age >15 (women)	0.010	0.003	1422	1824	1.158	0.308	0.004	0.016
Currently smoking (occasionally or daily) (men)	0.489	0.023	545	721	1.088	0.048	0.443	0.536
Currently smoking (occasionally or daily) (women)	0.294	0.027	602	799	1.458	0.092	0.240	0.347
Drink alcohol >= 3 or 4 (week)(men)	0.026	0.006	545	721	0.921	0.243	0.014	0.039
Drink alcohol >= 3 or 4 (weekend)(men)	0.144	0.016	545	721	1.650	0.114	0.112	0.177
Drink alcohol >= 3 or 4 (week)(women)	0.014	0.006	602	799	1.174	0.412	0.002	0.025
Drink alcohol >= 3 or 4 weekend)(women)	0.071	0.011	602	799	1.013	0.149	0.050	0.093
Hip circumference (men)	95.770	0.782	494	653	1.470	0.782	94.217	97.323
Hip circumference (women)	104.752	0.672	577	765	1.069	0.006	103.418	106.0853
Waist/hip ratio (men)	0.879	0.005	494	653	1.151	0.006	0.869	0.890
Waist/hip ratio (women)	0.836	0.006	577	765	1.136	0.007	0.0824	0.847
MUAC (men)	29.038	0.180	494	653	1.082	0.006	28.680	29.397
MUAC (women)	30.200	0.243	577	765	1.131	0.008	29.718	30.682
Height (men)	168.315	0.580	494	653	1.539	0.003	167.165	169.466
Height (women)	158.571	0.377	577	765	1.326	0.002	157.823	159.318
Body Mass Index (men)	23.848	0.226	494	653	1.184	0.009	23.399	24.296
Body Mass Index (women)	27.449	0.296	577	765	1.046	0.011	26.861	28.036
Obesity (men)	1.912	0.014	494	653	0.969	0.007	1.883	1.940
Obesity (women)	1.7011	0.020	577	765	1.056	0.019	1.661	1.741
Systolic Blood Pressure (men)	125.506	1.081	523	691	1.325	0.009	123.360	127.651
Systolic Blood Pressure (women)	119.739	1.182	580	769	1.380	0.010	117.394	122.084
Diastolic Blood Pressure (men)	77.652	0.727	523	691	1.376	0.009	76.209	79.094
Diastolic Blood Pressure (women)	75.910	0.678	580	769	1.382	0.009	74.565	77.256
Pulse (men)	73.789	0.676	536	709	1.267	0.009	72.446	75.131
Pulse (women)	75.824	0.550	586	777	1.158	0.007	74.733	76.915
Hypertensive (men)	0.121	0.015	545	721	1.073	0.124	0.091	0.150
Hypertensive (women)	0.188	0.018	602	799	1.105	0.094	0.153	0.223
Airflow Limitation (men)	0.044	0.011	545	721	1.263	0.253	0.022	0.066
Airflow Limitation (women)	0.071	0.010	602	799	0.919	0.135	0.052	0.090
Chronic Bronchitis (men)	0.023	0.007	545	721	1.082	0.297	0.010	0.037
Chronic Bronchitis (women)	0.030	0.007	602	799	1.085	0.252	0.015	0.044
Abnormal Peak Flow (men)	0.029	0.007	545	721	1.004	0.248	0.015	0.043
Abnormal Peak Flow (women)	0.055	0.012	602	799	1.312	0.220	0.031	0.079

Table B.6 Sampling errors - Eastern Cape sample, South Africa 1998

Variables	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un-weighted (N)	Weighted (WN)			Value-2SE (R-2SE)	Value+2SE (R+2E)
Urban	0.446	0.012	2756	1566	1.232	0.026	0.423	0.469
No education	0.051	0.005	2756	1566	1.104	0.091	0.041	0.06
Reached standard 6 or higher	0.639	0.014	2756	1566	1.520	0.022	0.611	0.667
Never married	0.546	0.013	2756	1566	1.403	0.024	0.519	0.572
Currently married	0.372	0.013	2756	1566	1.419	0.035	0.346	0.398
Married before age 20	0.236	0.010	2090	1197	1.123	0.044	0.215	0.257
Sex before age 18	0.537	0.013	2090	1197	1.191	0.024	0.511	0.563
Children ever born	2.033	0.039	2756	1566	0.924	0.019	1.955	2.111
Children ever born to women over 40	4.011	0.108	531	306	0.993	0.027	3.796	4.226
Children surviving	1.812	0.036	2756	1566	0.971	0.020	1.741	1.884
Knowing any contraceptive method	0.985	0.004	1038	583	1.076	0.004	0.976	0.993
Knowing any modern contraceptive method	0.984	0.004	1038	583	1.108	0.004	0.975	0.992
Ever used any contraceptive method	0.770	0.014	1038	583	1.090	0.018	0.742	0.799
Currently using any method	0.464	0.018	1038	583	1.186	0.040	0.427	0.5
Currently using a modern method	0.459	0.018	1038	583	1.191	0.040	0.422	0.496
Currently using pill	0.060	0.008	1038	583	1.083	0.133	0.044	0.076
Currently using IUD	0.014	0.004	1038	583	1.181	0.305	0.006	0.023
Currently using injections	0.229	0.015	1038	583	1.120	0.064	0.200	0.258
Currently using condom	0.011	0.003	1038	583	0.803	0.240	0.006	0.016
Currently using female sterilisation	0.123	0.012	1038	583	1.147	0.095	0.100	0.146
Currently using male sterilisation	0.022	0.006	1038	583	1.269	0.261	0.011	0.034
Currently using calendar/rhythm method	0.002	0.001	1038	583	1.041	0.715	0.000	0.005
Currently using withdrawal	0.002	0.001	1038	583	0.934	0.702	0.000	0.004
Using public sector source	0.923	0.008	1253	743	1.059	0.009	0.907	0.939
Want no more children	0.526	0.018	1038	583	1.188	0.035	0.490	0.563
Want to delay at least 2 years	0.083	0.010	1038	583	1.114	0.115	0.064	0.102
Ideal number of children	2.808	0.029	2735	1554	1.014	0.010	2.749	2.867
Mothers received tetanus injection	0.574	0.018	1359	741	1.104	0.031	0.539	0.610
Mothers received medical care at birth	0.746	0.017	1359	741	1.190	0.023	0.712	0.780
Had diarrhoea in the last 2 weeks	0.127	0.010	1260	690	0.984	0.077	0.108	0.147
Treated with ORS packets	0.546	0.045	164	88	1.082	0.082	0.456	0.636
Sought medical treatment	0.607	0.043	164	88	1.078	0.071	0.521	0.694
Having health card, seen	0.681	0.028	234	127	0.905	0.042	0.624	0.738
Received BCG vaccination	0.956	0.014	234	127	0.991	0.014	0.929	0.983
Received DPT vaccination (3 doses)	0.681	0.032	234	127	1.016	0.047	0.618	0.745
Received polio vaccination (3 doses)	0.613	0.033	234	127	1.020	0.054	0.546	0.679
Received measles vaccination	0.754	0.034	234	127	1.173	0.045	0.686	0.822
Fully immunised	0.526	0.036	234	127	1.079	0.069	0.453	0.598
Total fertility rate (3 years)	3.468	0.158	NA	4352	1.351	0.046	3.152	3.784
Neonatal mortality rate (10 years)	24.726	3.666	2776	1520	1.075	0.148	17.393	32.05
Infant mortality rate (10 years)	61.229	5.408	2783	1524	1.004	0.088	50.413	72.046
Child mortality rate (10 years)	20.509	3.023	2793	1528	1.014	0.147	14.462	26.555
Under-five mortality rate (10 years)	80.482	6.491	2800	1532	1.050	0.081	67.501	93.464
Postneonatal mortality rate (10 years)	36.504	3.808	2783	1524	0.967	0.104	28.888	44.119
Injuries in the last month age >15 (men)	0.016	0.002	3452	2019	1.085	0.154	0.011	0.02
Injuries in the last month age > 15 (women)	0.008	0.001	4612	2676	1.090	0.194	0.005	0.010
Currently smoking (occasionally or daily) (men)	0.460	0.016	1311	758	1.167	0.016	0.428	0.492
Currently smoking (occasionally or daily) (women)	0.108	0.012	2063	1161	1.612	0.107	0.085	0.131
Drink alcohol >= 3 or 4 (week)(men)	0.030	0.005	1311	758	1.059	0.167	0.020	0.040
Drink alcohol >= 3 or 4 (weekend)(men)	0.164	0.013	1311	758	1.293	0.088	0.121	0.172
Drink alcohol >= 3 or 4 (week)(women)	0.016	0.003	2063	1161	1.088	0.193	0.010	0.022
Drink alcohol >= 3 or 4 weekend)(women)	0.053	0.006	2063	1161	1.125	0.107	0.042	0.065
Hip circumference (men)	94.818	0.353	1245	720	1.207	0.004	94.122	95.514
Hip circumference (women)	104.141	0.408	1975	1114	1.265	0.004	103.336	104.945
Waist/hip ratio (men)	0.860	0.003	1245	720	1.189	0.003	0.854	0.865
Waist/hip ratio (women)	0.822	0.002	1975	1114	1.100	0.003	0.817	0.826
MUAC (men)	27.785	0.126	1245	720	1.140	0.005	27.536	28.034
MUAC (women)	29.858	0.153	1975	1114	1.300	0.005	29.556	30.159
Height (men)	167.263	0.290	1245	720	1.210	0.002	166.691	167.836
Height (women)	157.195	0.215	1975	1114	1.271	0.001	156.771	157.619
Body Mass Index (men)	22.949	0.144	1245	720	1.151	0.006	22.665	23.233
Body Mass Index (women)	26.887	0.187	1975	1114	1.256	0.007	26.518	27.255
Obesity (men)	1.927	0.007	1245	720	0.969	0.004	1.913	1.942
Obesity (women)	1.715	0.012	1975	1114	1.152	0.007	1.692	1.739
Systolic Blood Pressure (men)	124.205	0.735	1276	739	1.306	0.006	75.353	77.217
Systolic Blood Pressure (women)	121.394	0.657	2003	1129	1.261	0.005	120.099	122.689
Diastolic Blood Pressure (men)	76.285	0.473	1276	739	1.250	0.006	75.353	77.217
Diastolic Blood Pressure (women)	76.624	0.353	2005	1130	1.188	0.005	75.929	77.320
Pulse (men)	72.564	0.405	1295	750	1.160	0.006	71.766	73.362
Pulse (women)	76.553	0.355	2017	1136	1.287	0.005	75.853	77.253
Hypertensive (men)	0.138	0.011	1331	758	1.099	0.0784	0.117	0.159
Hypertensive (w omen)	0.164	0.009	2063	1161	1.113	0.057	0.145	0.182
Airflow Limitation (men)	0.069	0.007	1311	758	1.023	0.106	0.055	0.084
Airflow Limitation (women)	0.080	0.007	2063	1161	1.096	0.083	0.067	0.093
Chronic Bronchitis (men)	0.030	0.005	1311	758	1.123	0.178	0.020	0.041
Chronic Bronchitis (women)	0.049	0.005	2063	1161	1.111	0.107	0.039	0.107
Abnormal Peak Flow (men)	0.038	0.006	1311	758	1.070	0.150	0.026	0.049
Abnormal Peak Flow (women)	0.0413	0.005	2063	1161	1.060	0.114	0.032	0.051

Table B.7 Sampling errors - Northern Cape sample, South Africa 1998

Variables	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un- weighted (N)	Weighted (WN)			Value- 2SE (R-2SE)	Value+ 2SE (R+2E)
Urban	0.727	0.015	1041	253	1.099	0.021	0.696	0.757
No Education	0.085	0.014	1.41	253	1.674	0.17	0.056	0.114
Reached standard 6 or higher	0.59	0.029	1041	253	1.902	0.049	0.532	0.648
Never married	0.467	0.022	1041	253	1.402	0.046	0.423	0.51
Currently married	0.467	0.022	1041	253	1.438	0.048	0.423	0.512
Married before age 20	0.179	0.017	861	209	1.314	0.096	0.145	0.214
Sex before age 18	0.379	0.025	861	209	1.483	0.065	0.330	0.428
Children ever born	1.925	0.049	1041	253	0.885	0.025	1.827	2.023
Children ever born to women over 40	3.568	0.115	226	55	0.853	0.032	3.339	3.798
Children surviving	1.779	0.045	1041	253	0.901	0.025	1.688	1.869
Knowing any contraceptive method	0.986	0.005	484	118	0.991	0.005	0.975	0.996
Knowing any modern contraceptive method	0.986	0.005	484	118	0.991	0.005	0.975	0.996
Ever used any contraceptive method	0.930	0.011	484	118	0.920	0.011	0.908	0.951
Currently using any method	0.653	0.026	484	118	1.189	0.039	0.602	0.705
Currently using a modern method	0.653	0.026	484	118	1.189	0.039	0.602	0.705
Currently using pill	0.101	0.014	484	118	1.014	0.137	0.073	0.129
Currently using IUD	0.014	0.005	484	118	1.002	0.381	0.003	0.025
Currently using injections	0.268	0.021	484	118	1.032	0.078	0.226	0.31
Currently using condom	0.004	0.003	484	118	1.008	0.708	0.000	0.010
Currently using female sterilisation	0.245	0.019	484	118	0.987	0.079	0.206	0.284
Currently using male sterilisation	0.021	0.009	484	118	1.361	0.427	0.003	0.038
Currently using calendar/rhythm method	0.000	0.000	484	118	NA	NA	0.000	0
Currently using withdrawal	0.000	0.000	484	118	NA	NA	0.000	0.000
Using public sector source	0.911	0.013	546	133	1.095	0.015	0.884	0.938
Want no more children	0.415	0.026	484	118	1.160	0.063	0.362	0.467
Want to delay at least 2 years	0.075	0.011	484	118	0.937	0.150	0.052	0.097
Ideal number of children	2.541	0.043	1032	251	1.012	0.017	2.456	2.627
Mothers received tetanus injection	0.534	0.026	419	102	0.972	0.048	0.482	0.586
Mothers received medical care at birth	0.903	0.021	419	102	1.404	0.024	0.860	0.945
Had diarrhoea in the last 2 weeks	0.104	0.018	399	97	1.158	0.173	0.068	0.140
Treated with ORS packets	0.465	0.098	41	10	1.237	0.211	0.269	0.660
Sought medical treatment	0.706	0.063	41	10	0.885	0.090	0.580	0.832
Having health card, seen	0.878	0.033	83	20	0.907	0.037	0.813	0.943
Received BCG vaccination	0.975	0.024	83	20	1.387	0.024	0.927	1.000
Received DPT vaccination (3 doses)	0.890	0.031	83	20	0.908	0.035	0.828	0.952
Received polio vaccination (3 doses)	0.855	0.039	83	20	1.004	0.045	0.777	0.932
Received measles vaccination	0.905	0.039	83	20	1.205	0.043	0.828	0.983
Fully immunised	0.808	0.048	83	20	1.103	0.059	0.712	0.903
Total fertility rate (3 years)	2.676	0.144	NA	716	0.983	0.054	2.388	2.964
Neonatal mortality rate (10 years)	20.476	5.333	833	203	0.986	0.260	9.811	31.142
Infant mortality rate (10 years)	41.771	7.683	833	203	1.004	0.184	26.405	57.136
Child mortality rate (10 years)	14.288	4.658	837	204	1.008	0.326	4.971	23.605
Under-five mortality rate (10 years)	55.462	9.228	837	204	1.039	0.166	37.006	73.918
Postneonatal mortality rate (10 years)	21.294	5.732	833	203	1.007	0.269	9.830	32.758
Injuries in the last month age >15 (men)	0.015	0.003	1259	321	0.923	0.21	0.009	0.022
Injuries in the last month age > 15 (women)	0.007	0.002	1515	386	1.125	0.338	0.002	0.012
Currently smoking (occasionally or daily) (men)	0.576	0.024	560	135	1.139	0.0413	0.529	0.624
Currently smoking (occasionally or daily) (women)	0.314	0.023	701	168	1.34	0.750	0.267	0.36
Drink alcohol >= 3 or 4 (week)(men)	0.027	0.007	560	135	1.103	0.281	0.012	0.042
Drink alcohol >= 3 or 4 (weekend)(men)	0.177	0.020	560	135	1.264	0.115	0.136	0.218
Drink alcohol >= 3 or 4 (week)(women)	0.014	0.005	701	168	1.129	0.335	0.004	0.025
Drink alcohol >= 3 or 4 weekend)(women)	0.110	0.014	701	168	1.180	0.127	0.082	0.138
Hip circumference (men)	93.343	0.671	539	130	1.355	0.007	92.011	94.676
Hip circumference (women)	101.853	0.815	684	164	1.395	0.008	100.233	103.474
Waist/hip ratio (men)	0.865	0.006	539	130	1.249	0.007	0.853	0.878
Waist/hip ratio (women)	0.824	0.005	684	164	1.279	0.006	0.813	0.834
MUAC (men)	27.159	0.307	539	130	1.653	0.011	26.549	27.769
MUAC (women)	28.717	0.314	684	164	1.459	0.011	28.093	29.342
Height (men)	168.240	0.508	539	130	1.418	0.003	167.231	169.250
Height (women)	156.861	0.411	684	164	1.44	0.003	156.044	157.679
Body Mass Index (men)	22.004	0.278	539	130	1.411	0.026	21.452	22.556
Body Mass Index (women)	25.820	0.369	684	164	1.422	0.014	25.086	26.554
Obesity (men)	1.928	0.013	539	130	1.151	0.007	1.903	1.953
Obesity (women)	1.758	0.020	684	164	1.227	0.011	1.718	1.798
Systolic Blood Pressure (men)	127.057	1.033	551	132	1.226	0.008	125.004	129.110
Systolic Blood Pressure (women)	122.427	1.194	689	166	1.351	0.010	120.053	124.802
Diastolic Blood Pressure (men)	78.656	0.539	551	132	0.975	0.007	77.585	79.726
Diastolic Blood Pressure (women)	77.385	0.592	689	166	1.209	0.008	76.208	78.562
Pulse (men)	74.661	0.6189	552	133	1.126	0.008	73.432	75.891
Pulse (women)	78.723	0.641	691	166	1.361	0.008	77.448	79.998
Hypertensive (men)	0.157	0.015	560	135	0.977	0.096	0.127	0.187
Hypertensive (women)	0.211	0.018	701	168	1.169	0.085	0.175	0.247
Airflow Limitation (men)	0.103	0.0155	560	135	1.196	0.150	0.072	0.134
Airflow Limitation (women)	0.091	0.012	701	168	1.067	0.128	0.068	0.113
Chronic Bronchitis (men)	0.051	0.010	560	135	1.082	0.199	0.031	0.071
Chronic Bronchitis (women)	0.025	0.005	701	168	0.923	0.221	0.014	0.035
Abnormal Peak Flow (men)	0.094	0.0132	560	135	1.071	0.140	0.068	0.121
Abnormal Peak Flow (women)	0.118	0.015	701	168	1.191	0.124	0.089	0.147

Table B.8 Sampling errors - Free State sample, South Africa 1998

Variables	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un- weighted (N)	Weighted (WN)			Value- 2SE (R-2SE)	Value+ 2SE (R+2E)
Urban	0.702	0.014	936	763	0.934	0.02	0.674	0.73
No education	0.05	0.009	936	763	1.292	0.193	0.028	0.063
Reached standard 6 or higher	0.683	0.019	936	763	1.275	0.028	0.644	0.722
Never married	0.417	0.019	936	763	1.183	0.046	0.379	0.456
Currently married	0.466	0.022	936	763	1.330	0.047	0.422	0.509
Married before age 20	0.284	0.019	769	627	1.189	0.068	0.245	0.322
Sex before age 18	0.480	0.022	769	627	1.234	0.046	0.436	0.525
Children ever born	1.805	0.063	936	763	1.088	0.035	1.678	1.932
Children ever born to women over 40	3.629	0.168	171	139	1.094	0.046	3.294	3.964
Children surviving	1.670	0.059	936	763	1.102	0.035	1.553	1.788
Knowing any contraceptive method	0.988	0.005	434	355	1.009	0.005	0.978	0.999
Knowing any modern contraceptive method	0.988	0.005	434	355	1.009	0.005	0.978	0.999
Ever used any contraceptive method	0.910	0.012	434	355	0.883	0.013	0.885	0.934
Currently using any method	0.661	0.021	434	355	0.909	0.031	0.619	0.702
Currently using a modern method	0.658	0.021	434	355	0.909	0.031	0.617	0.700
Currently using pill	0.101	0.014	434	355	0.952	0.137	0.073	0.128
Currently using IUD	0.007	0.002	434	355	0.571	0.334	0.002	0.011
Currently using injections	0.354	0.025	434	355	1.107	0.072	0.304	0.405
Currently using condom	0.018	0.007	434	355	1.038	0.365	0.005	0.032
Currently using female sterilisation	0.130	0.017	434	355	1.022	0.127	0.097	0.163
Currently using male sterilisation	0.048	0.014	434	355	1.322	0.284	0.021	0.075
Currently using calendar/rhythm method	0.000	0.000	434	355	NA	NA	0.000	0.000
Currently using withdrawal	0.002	0.002	434	355	0.985	0.999	0.000	0.007
Using public sector source	0.892	0.017	531	433	1.235	0.019	0.858	0.925
Want no more children	0.433	0.020	434	355	0.824	0.045	0.394	0.473
Want to delay at least 2 years	0.120	0.018	434	355	1.143	0.149	0.084	0.155
Ideal number of children	2.456	0.053	931	759	1.230	0.022	2.350	2.562
Mothers received tetanus injection	0.758	0.038	313	257	1.436	0.050	0.683	0.834
Mothers received medical care at birth	0.880	0.026	313	257	1.326	0.029	0.829	0.932
Had diarrhoea in the last 2 weeks	0.091	0.018	297	244	1.094	0.198	0.055	0.127
Treated with ORS packets	0.552	0.098	27	22	1.032	0.178	0.356	0.749
Sought medical treatment	0.627	0.094	27	22	1.015	0.150	0.439	0.815
Having health card, seen	0.756	0.065	62	51	1.194	0.086	0.626	0.885
Received BCG vaccination	0.951	0.028	62	51	1.008	0.029	0.895	1.000
Received DPT vaccination (3 doses)	0.821	0.064	62	51	1.311	0.077	0.694	0.948
Received polio vaccination (3 doses)	0.726	0.072	62	51	1.284	0.100	0.581	0.871
Received measles vaccination	0.808	0.060	62	51	1.200	0.074	0.688	0.927
Fully immunised	0.678	0.074	62	51	1.257	0.109	0.529	0.826
Total fertility rate (3 years)	2.187	0.179	NA	2166	1.215	0.082	1.830	2.545
Neonatal mortality rate (10 years)	9.896	3.442	717	587	0.938	0.348	3.013	16.780
Infant mortality rate (10 years)	36.786	8.359	717	587	1.078	0.227	20.069	53.503
Child mortality rate (10 years)	13.681	4.019	719	589	0.935	0.294	5.642	21.719
Under-five mortality rate (10 years)	49.963	10.185	719	589	1.166	0.204	29.592	70.334
Postneonatal mortality rate (10 years)	26.89	8.084	717	587	1.153	0.301	10.721	43.058
Injuries in the last month age >15 (men)	0.009	0.003	1194	1002	1.014	0.003	0.003	0.040
Injuries in the last month age > 15 (women)	0.005	0.002	1361	1144	0.964	0.364	0.001	0.009
Currently smoking (occasionally or daily) (men)	0.440	0.022	554	444	1.055	0.051	0.395	0.484
Currently smoking (occasionally or daily) (women)	0.109	0.016	646	519	1.297	0.146	0.077	0.140
Drink alcohol >= 3 or 4 (week)(men)	0.031	0.007	554	444	0.904	0.216	0.017	0.044
Drink alcohol >= 3 or 4 (week)(men)	0.153	0.019	554	444	1.262	0.127	0.114	0.191
Drink alcohol >= 3 or 4 (week)(women)	0.014	0.006	646	519	1.380	0.457	0.001	0.027
Drink alcohol >= 3 or 4 weekend)(women)	0.072	0.012	646	519	1.178	0.167	0.048	0.096
Hip circumference (men)	94.701	0.661	533	427	1.472	0.007	93.387	96.015
Hip circumference (women)	105.22	0.759	642	516	1.237	0.007	103.712	106.730
Waist/hip ratio (men)	0.853	0.005	533	427	1.167	0.006	0.843	0.863
Waist/hip ratio (women)	0.801	0.005	642	516	1.098	0.006	0.792	0.811
MUAC (men)	26.856	0.216	533	427	1.356	0.008	26.426	27.285
MUAC (women)	29.325	0.256	642	516	1.204	0.009	28.816	29.835
Height (men)	169.84	0.516	533	427	1.454	0.003	168.821	170.874
Height (women)	158.80	0.488	642	516	1.587	0.003	157.835	159.775
Body Mass Index (men)	22.376	0.243	533	427	1.280	0.011	21.892	22.860
Body Mass Index (women)	26.835	0.331	642	516	1.264	0.012	26.177	27.493
Obesity (men)	1.931	0.012	533	427	1.093	0.006	1.908	1.956
Obesity (women)	1.715	0.021	642	516	1.164	0.012	1.674	1.757
Systolic Blood Pressure (men)	126.40	1.101	534	428	1.248	0.009	124.217	128.593
Systolic Blood Pressure (women)	122.39	1.136	623	501	1.318	0.009	120.140	124.657
Diastolic Blood Pressure (men)	78.624	0.718	534	428	1.212	0.009	77.197	80.051
Diastolic Blood Pressure (women)	77.805	0.679	623	501	1.289	0.009	76.455	79.154
Pulse (men)	72.090	0.569	549	440	1.083	0.008	70.958	73.221
Pulse (women)	76.587	0.578	628	505	1.122	0.008	75.438	77.736
Hypertensive (men)	0.120	0.013	554	444	0.954	0.110	0.094	0.146
Hypertensive (women)	0.156	0.014	646	519	0.949	0.087	0.129	0.183
Airflow Limitation (men)	0.064	0.010	554	444	0.921	0.151	0.045	0.084
Airflow Limitation (women)	0.068	0.011	646	519	1.052	0.155	0.047	0.089
Chronic Bronchitis (men)	0.016	0.005	554	444	0.989	0.327	0.006	0.027
Chronic Bronchitis (women)	0.021	0.006	646	519	0.971	0.267	0.010	0.032
Abnormal Peak Flow (men)	0.038	0.010	554	444	1.233	0.264	0.018	0.058
Abnormal Peak Flow (women)	0.022	0.008	646	519	1.380	0.365	0.006	0.038

Table B9. Sampling errors - KwaZulu-Natal sample, South Africa 1998

Variables	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un- weighted (N)	Weighted (WN)			Value- 2SE (R-2SE)	Value+ 2SE (R+2E)
Urban	0.515	0.017	1826	2364	1.444	0.033	0.481	0.549
No education	0.105	0.013	1826	2364	1.753	0.12	0.08	0.13
Reached standard 6 or higher	0.621	0.020	1826	2364	1.790	0.033	0.580	0.662
Never married	0.517	0.017	1826	2364	1.486	0.034	0.482	0.552
Currently married	0.404	0.016	1826	2364	1.426	0.041	0.371	0.437
Married before age 20	0.201	0.014	1482	1908	1.317	0.068	0.174	0.229
Sex before age 18	0.419	0.017	1482	1908	1.352	0.041	0.384	0.453
Children ever born	2.071	0.074	1826	2364	1.461	0.036	1.923	2.219
Children ever born to women over 40	4.021	0.189	349	452	1.363	0.047	3.642	4.399
Children surviving	1.876	0.061	1826	2364	1.343	0.033	1.753	1.998
Knowing any contraceptive method	0.959	0.012	735	955	1.587	0.012	0.936	0.982
Knowing any modern contraceptive method	0.953	0.014	735	955	1.816	0.015	0.924	0.981
Ever used any contraceptive method	0.800	0.019	735	955	1.270	0.023	0.763	0.838
Currently using any method	0.508	0.018	735	955	0.972	0.035	0.472	0.544
Currently using a modern method	0.489	0.017	735	955	0.924	0.035	0.455	0.523
Currently using pill	0.112	0.011	735	955	0.927	0.096	0.090	0.133
Currently using IUD	0.012	0.004	735	955	0.944	0.316	0.004	0.020
Currently using injections	0.162	0.013	735	955	0.949	0.080	0.136	0.188
Currently using condom	0.01	0.004	735	955	0.994	0.319	0.005	0.021
Currently using female sterilisation	0.185	0.014	735	955	0.964	0.075	0.158	0.213
Currently using male sterilisation	0.005	0.002	735	955	0.681	0.354	0.001	0.009
Currently using calendar/rhythm method	0.002	0.001	735	955	0.861	0.709	0.000	0.005
Currently using withdrawal	0.015	0.007	735	955	1.495	0.446	0.002	0.028
Using public sector source	0.839	0.013	830	998	1.058	0.016	0.813	0.866
Want no more children	0.421	0.015	735	955	0.823	0.036	0.391	0.451
Want to delay at least 2 years	0.115	0.017	735	955	1.409	0.144	0.082	0.148
Ideal number of children	3.114	0.067	1802	2329	1.674	0.022	2.979	3.248
Mothers received tetanus injection	0.749	0.024	759	1094	1.397	0.032	0.701	0.796
Mothers received medical care at birth	0.825	0.020	759	1094	1.332	0.024	0.786	0.864
Had diarrhoea in the last 2 weeks	0.178	0.015	713	1022	1.016	0.083	0.149	0.208
Treated with ORS packets	0.648	0.051	124	182	1.193	0.079	0.546	0.750
Sought medical treatment	0.650	0.062	124	182	1.441	0.095	0.526	0.774
Having health card, seen	0.622	0.046	150	208	1.191	0.075	0.530	0.715
Received BCG vaccination	0.970	0.017	150	208	1.231	0.017	0.937	1.000
Received DPT vaccination (3 doses)	0.623	0.053	150	208	1.368	0.085	0.516	0.729
Received polio vaccination (3 doses)	0.596	0.042	150	208	1.072	0.070	0.513	0.680
Received measles vaccination	0.825	0.039	150	208	1.298	0.047	0.747	0.903
Fully immunised	0.495	0.054	150	208	1.350	0.109	0.387	0.603
Total fertility rate (3 years)	3.326	0.251	NA	6615	1.798	0.075	2.825	3.827
Neonatal mortality rate (10 years)	23.228	4.189	1597	2282	1.133	0.180	14.850	31.607
Infant mortality rate (10 years)	52.085	7.122	1597	2282	1.241	0.137	37.842	66.329
Child mortality rate (10 years)	23.64	5.853	1600	2286	1.559	0.248	11.938	35.349
Under-five mortality rate (10 years)	74.5	8.944	1600	2286	1.371	0.120	56.610	92.386
Postneonatal mortality rate (10 years)	28.86	6.082	1597	2282	1.326	0.211	16.694	41.02
Injuries in the last month age >15 (men)	0.01	0.003	2247	2948	1.031	0.194	0.009	0.02
Injuries in the last month age > 15 (women)	0	0.001	2728	3663	1.004	0.302	0.002	0.007
Currently smoking (occasionally or daily) (men)	0.381	0.02	823	1064	1.136	0.053	0.341	0.422
Currently smoking (occasionally or daily) (women)	0.05	0.007	1230	1608	1.212	0.151	0.335	0.062
Drink alcohol >= 3 or 4 (week)(men)	0.033	0.007	823	1064	0.989	0.218	0.019	0.047
Drink alcohol >= 3 or 4 (weekend)(men)	0.123	0.012	823	1064	0.989	0.101	0.099	0.148
Drink alcohol >= 3 or 4 (week)(women)	0.016	0.004	1230	1608	0.916	0.234	0.009	0.023
Drink alcohol >= 3 or 4 weekend)(women)	0.041	0.007	1230	1608	1.118	0.168	0.027	0.055
Hip circumference (men)	93.92	0.408	761	985	1.059	0.004	93.116	94.728
Hip circumference (women)	105.4	0.519	1140	1493	1.166	0.005	104.401	106.452
Waist/hip ratio (men)	0.879	0.004	761	985	0.925	0.004	0.872	0.887
Waist/hip ratio (women)	0.828	0.003	1140	1493	1.043	0.004	0.823	0.835
MUAC (men)	28.38	0.183	761	985	1.214	0.006	28.014	28.736
MUAC (women)	30.69	0.18	1140	1493	1.132	0.006	30.336	31.048
Height (men)	167.6	0.371	761	985	1.156	0.002	166.856	168.32
Height (women)	157.4	0.277	1140	1493	1.257	0.002	156.871	157.966
Body Mass Index (men)	23.18	0.195	761	985	1.223	0.008	22.799	23.569
Body Mass Index (women)	27.86	0.234	1140	1493	1.166	0.008	27.394	28.319
Obesity (men)	1.925	0.011	761	985	1.178	0.006	1.904	1.947
Obesity (women)	1.658	0.17	1140	1493	1.121	0.01	1.625	1.691
Systolic Blood Pressure (men)	121.7	0.765	801	1035	1.051	0.006	120.144	123.167
Systolic Blood Pressure (women)	118.5	0.737	1174	1540	1.014	0.006	117.078	119.989
Diastolic Blood Pressure (men)	75.65	0.579	801	1035	1.165	0.008	74.508	76.797
Diastolic Blood Pressure (women)	75.52	0.376	1174	1540	0.936	0.005	74.775	76.26
Pulse (men)	73.82	0.594	810	1048	1.255	0.008	72.645	74.992
Pulse (women)	76.18	0.417	1190	1562	1.171	0.005	75.351	76.998
Hypertensive (men)	0.126	0.013	823	1064	1.096	0.107	0.099	0.152
Hypertensive (women)	0.177	0.011	1230	1608	0.977	0.064	0.155	0.199
Airflow Limitation (men)	0.1	0.012	823	1064	1.013	0.118	0.076	0.123
Airflow Limitation (women)	0.135	0.011	1230	1608	1.04	0.084	0.112	0.157
Chronic Bronchitis (men)	0.03	0.008	823	1064	1.224	0.286	0.012	0.044
Chronic Bronchitis (women)	0.04	0.006	1230	1608	0.944	0.162	0.025	0.048
Abnormal Peak Flow (men)	0.04	0.008	823	1064	1.057	0.197	0.026	0.059
Abnormal Peak Flow (women)	0.03	0.006	1230	1608	1.077	0.178	0.02	0.043

Table B.10. Sampling errors - North West sample, South Africa 1998

Variables	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un- weighted (N)	Weighted (WN)			Value- 2SE (R-2SE)	Value+ 2SE (R+2E)
Urban	0.414	0.016	931	909	0.994	0.039	0.382	0.446
No education	0.079	0.010	931	909	1.085	0.122	0.060	0.098
Reached standard 6 or higher	0.662	0.024	931	909	1.576	0.037	0.613	0.711
Never married	0.537	0.016	931	909	1.008	0.031	0.504	0.570
Currently married	0.387	0.015	931	909	0.937	0.039	0.357	0.417
Married before age 20	0.186	0.014	762	744	0.989	0.075	0.158	0.214
Sex before age 18	0.415	0.019	762	744	1.056	0.045	0.377	0.453
Children ever born	1.823	0.064	931	909	1.087	0.035	1.694	1.951
Children ever born to women over 40	3.693	0.191	163	159	1.200	0.052	3.311	4.075
Children surviving	1.701	0.060	931	909	1.083	0.035	1.581	1.820
Knowing any contraceptive method	0.984	0.008	360	352	1.162	0.008	0.968	0.999
Knowing any modern contraceptive method	0.984	0.008	360	352	1.162	0.008	0.968	0.999
Ever used any contraceptive method	0.896	0.020	360	352	1.266	0.023	0.855	0.937
Currently using any method	0.661	0.032	360	352	1.265	0.048	0.598	0.725
Currently using a modern method	0.659	0.032	360	352	1.293	0.049	0.594	0.723
Currently using pill	0.129	0.014	360	352	0.766	0.105	0.102	0.156
Currently using IUD	0.025	0.009	360	352	1.124	0.368	0.007	0.044
Currently using injections	0.378	0.031	360	352	1.220	0.083	0.315	0.440
Currently using condom	0.011	0.005	360	352	0.987	0.495	0.000	0.022
Currently using female sterilisation	0.104	0.019	360	352	1.169	0.181	0.066	0.142
Currently using male sterilisation	0.011	0.004	360	352	0.698	0.342	0.004	0.019
Currently using calendar/rhythm method	0.003	0.003	360	352	1.024	0.995	0.000	0.009
Currently using withdrawal	0.000	0.000	360	352	NA	NA	0.000	0.000
Using public sector source	0.878	0.019	537	526	1.355	0.022	0.840	0.917
Want no more children	0.538	0.027	360	352	1.039	0.051	0.483	0.593
Want to delay at least 2 years	0.117	0.017	360	352	0.977	0.141	0.084	0.150
Ideal number of children	2.704	0.056	922	900	1.215	0.021	2.592	2.816
Mothers received tetanus injection	0.563	0.035	350	340	1.228	0.063	0.493	0.634
Mothers received medical care at birth	0.883	0.023	350	340	1.270	0.026	0.837	0.929
Had diarrhoea in the last 2 weeks	0.122	0.025	337	327	1.348	0.202	0.072	0.171
Treated with ORS packets	0.556	0.083	41	40	1.035	0.149	0.390	0.723
Sought medical treatment	0.462	0.087	41	40	1.089	0.188	0.288	0.636
Having health card, seen	0.665	0.055	69	67	0.968	0.083	0.555	0.775
Received BCG vaccination	0.957	0.024	69	67	0.988	0.025	0.908	1.000
Received DPT vaccination (3 doses)	0.822	0.048	69	67	1.048	0.059	0.726	0.919
Received polio vaccination (3 doses)	0.708	0.062	69	67	1.124	0.087	0.585	0.831
Received measles vaccination	0.87	0.039	69	67	0.957	0.045	0.793	0.948
Fully immunised	0.606	0.067	69	67	1.139	0.111	0.472	0.740
Total fertility rate (3 years)	2.436	0.167	NA	2584	1.059	0.068	2.103	2.769
Neonatal mortality rate (10 years)	20.036	4.858	808	785	0.990	0.242	10.321	29.751
Infant mortality rate (10 years)	36.79	6.868	809	786	1.006	0.187	23.052	50.525
Child mortality rate (10 years)	8.817	3.791	812	790	1.009	0.430	1.235	16.399
Under-five mortality rate (10 years)	45.281	7.996	813	790	0.997	0.177	29.290	61.272
Postneonatal mortality rate (10 years)	16.752	4.945	809	786	1.017	0.295	6.863	26.641
Injuries in the last month age >15 (men)	0	0.002	1277	1271	0.9	0.27	0	0.013
Injuries in the last month age > 15 (women)	0.01	0.003	1428	1421	1.004	0.267	0.01	0.015
Currently smoking (occasionally or daily) (men)	0.453	0.196	571	551	0.937	0.043	0.414	0.492
Currently smoking (occasionally or daily) (women)	0.08	0.015	669	646	1.433	0.195	0.047	0.106
Drink alcohol >= 3 or 4 (week)(men)	0.042	0.009	571	551	1.017	0.204	0.025	0.059
Drink alcohol >= 3 or 4 (weekend)(men)	0.196	0.019	571	551	1.163	0.099	0.158	0.235
Drink alcohol >= 3 or 4 (week)(women)	0.025	0.007	669	646	1.074	0.266	0.012	0.038
Drink alcohol >= 3 or 4 weekend)(women)	0.072	0.011	669	646	1.071	0.151	0.050	0.093
Hip circumference (men)	91.55	0.714	507	489	1.344	0.008	90.126	92.978
Hip circumference (women)	102	0.746	624	604	1.182	0.007	100.519	103.495
Waist/hip ratio (men)	0.868	0.006	507	489	1.287	0.007	0.855	0.88
Waist/hip ratio (women)	832	0.005	624	604	1.107	0.006	0.822	0.842
MUAC (men)	27.72	0.21	507	489	1.219	0.008	27.297	28.134
MUAC (women)	29.45	0.213	624	604	1.171	0.007	29.026	29.875
Height (men)	167.7	0.556	507	489	1.494	0.003	166.544	168.762
Height (women)	159.6	0.436	624	604	1.456	0.003	158.747	160.489
Body Mass Index (men)	21.93	0.207	507	489	1.219	0.009	21.517	22.345
Body Mass Index (women)	25.26	0.258	624	604	1.152	0.01	24.743	25.773
Obesity (men)	1.966	0.009	507	489	1.154	0.005	1.947	1.984
Obesity (women)	1.807	0.018	624	604	1.133	0.01	1.771	1.843
Systolic Blood Pressure (men)	119.5	1.235	522	505	1.414	0.01	117.021	121.95
Systolic Blood Pressure (women)	117.6	1.103	605	585	1.364	0.009	115.369	119.774
Diastolic Blood Pressure (men)	75.45	0.699	524	507	1.217	0.009	74.057	76.848
Diastolic Blood Pressure (women)	75.5	0.671	605	585	1.226	0.009	74.162	76.842
Pulse (men)	74.19	0.659	563	544	1.236	0.009	72.878	75.511
Pulse (women)	77.66	0.63	662	640	1.288	0.008	76.403	78.919
Hypertensive (men)	0.113	0.015	571	551	1.143	0.135	0.083	0.144
Hypertensive (women)	0.157	0.016	669	646	1.12	0.101	0.125	0.188
Airflow Limitation (men)	0.05	0.01	571	551	1.137	0.214	0.214	0.067
Airflow Limitation (women)	0.07	0.012	669	646	1.155	0.159	0.051	0.098
Chronic Bronchitis (men)	0.02	0.007	571	551	1.28	0.383	0.005	0.04
Chronic Bronchitis (women)	0	0.004	669	646	0.976	0.397	0.002	0.017
Abnormal Peak Flow (men)	0.03	0.007	571	551	1.128	0.298	0.01	0.04
Abnormal Peak Flow (women)	0.05	0.011	669	646	1.38	0.242	0.024	0.07

Table B.11 Sampling errors - Gauteng sample, South Africa 1998

Variables	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un-weighted (N)	Weighted (WN)			Value-2SE (R-2SE)	Value+2SE (R+2E)
Urban	0.968	0.002	1057	2552	0.288	0.002	0.965	0.971
No education	0.029	0.005	1057	2552	0.982	0.175	0.019	0.039
Reached standard 6 or higher	0.801	0.014	1057	2552	1.163	0.018	0.772	0.829
Never married	0.427	0.020	1057	2552	1.282	0.046	0.388	0.466
Currently married	0.480	0.019	1057	2552	1.211	0.039	0.442	0.517
Married before age 20	0.220	0.013	902	2175	0.912	0.057	0.194	0.245
Sex before age 18	0.447	0.020	902	2175	1.237	0.046	0.406	0.488
Children ever born	1.800	0.061	1057	2552	1.176	0.034	1.678	1.921
Children ever born to women over 40	3.146	0.116	244	590	1.006	0.037	2.914	3.377
Children surviving	1.686	0.058	1057	2552	1.197	0.034	1.570	1.802
Knowing any contraceptive method	0.994	0.003	505	1224	0.993	0.003	0.987	1.000
Knowing any modern contraceptive method	0.994	0.003	505	1224	0.993	0.003	0.987	1.000
Ever used any contraceptive method	0.902	0.014	505	1224	1.089	0.016	0.874	0.931
Currently using any method	0.598	0.022	505	1224	0.999	0.036	0.554	0.642
Currently using a modern method	0.586	0.022	505	1224	1.013	0.038	0.542	0.631
Currently using pill	0.128	0.016	505	1224	1.044	0.121	0.097	0.159
Currently using IUD	0.033	0.007	505	1224	0.940	0.226	0.018	0.048
Currently using injections	0.194	0.019	505	1224	1.083	0.098	0.156	0.232
Currently using condom	0.025	0.006	505	1224	0.906	0.250	0.013	0.038
Currently using female sterilisation	0.169	0.017	505	1224	1.039	0.103	0.134	0.203
Currently using male sterilisation	0.037	0.011	505	1224	1.287	0.292	0.015	0.059
Currently using calendar/rhythm method	0.006	0.003	505	1224	0.997	0.579	0.000	0.013
Currently using withdrawal	0.004	0.003	505	1224	1.001	0.712	0.000	0.009
Using public sector source	0.704	0.023	556	1341	1.174	0.032	0.658	0.749
Want no more children	0.430	0.022	505	1224	1.008	0.052	0.386	0.475
Want to delay at least 2 years	0.119	0.016	505	1224	1.088	0.132	0.088	0.150
Ideal number of children	2.681	0.045	1049	2533	1.039	0.017	2.591	2.770
Mothers received tetanus injection	0.376	0.029	398	954	1.073	0.078	0.317	0.434
Mothers received medical care at birth	0.940	0.013	398	954	1.047	0.014	0.913	0.967
Had diarrhoea in the last 2 weeks	0.094	0.016	380	911	0.976	0.167	0.063	0.126
Treated with ORS packets	0.472	0.094	36	86	1.038	0.199	0.284	0.660
Sought medical treatment	0.667	0.094	36	86	1.096	0.140	0.480	0.854
Having health card, seen	0.796	0.046	83	199	1.038	0.058	0.704	0.889
Received BCG vaccination	0.976	0.017	83	199	1.007	0.017	0.942	1.000
Received DPT vaccination (3 doses)	0.856	0.036	83	199	0.938	0.042	0.784	0.929
Received polio vaccination (3 doses)	0.808	0.045	83	199	1.027	0.055	0.719	0.898
Received measles vaccination	0.844	0.041	83	199	1.015	0.048	0.763	0.925
Fully immunised	0.724	0.046	83	199	0.929	0.063	0.633	0.816
Total fertility rate (3 years)	2.343	0.159	NA	7315	1.201	0.068	2.025	2.661
Neonatal mortality rate (10 years)	17.800	5.073	842	2028	1.053	0.285	7.653	27.947
Infant mortality rate (10 years)	36.300	7.264	843	2030	1.111	0.200	21.771	50.829
Child mortality rate (10 years)	9.341	3.246	843	2030	0.970	0.348	2.849	15.832
Under-five mortality rate (10 years)	45.301	7.795	844	2033	1.046	0.172	29.711	60.891
Postneonatal mortality rate (10 years)	18.500	5.438	843	2030	1.186	0.294	7.624	29.376
Injuries in the last month age >15 (men)	0.02	0.004	1413	3094	1.051	0.184	0.014	0.031
Injuries in the last month age > 15 (women)	0.02	0.003	1683	3680	1.105	0.22	0.008	0.021
Currently smoking (occasionally or daily) (men)	0.44	0.022	554	444	0.981	0.051	0.395	0.484
Currently smoking (occasionally or daily) (women)	0.122	0.016	704	1887	1.216	0.128	0.091	0.153
Drink alcohol >= 3 or 4 (week)(men)	0.029	0.008	408	1099	0.942	0.269	0.014	0.044
Drink alcohol >= 3 or 4 (weekend)(men)	0.115	0.016	408	1099	0.139	0.139	0.083	0.147
Drink alcohol >= 3 or 4 (week)(women)	0.010	0.004	704	1887	0.985	0.371	0.003	0.017
Drink alcohol >= 3 or 4 weekend)(women)	0.045	0.008	704	1887	0.986	0.171	0.030	0.060
Hip circumference (men)	95.86	0.592	382	1028	1.059	0.006	94.689	97.037
Hip circumference (women)	108.2	0.508	678	1818	1.166	0.005	107.234	109.246
Waist/hip ratio (men)	0.869	0.005	382	1028	0.925	0.006	0.86	0.879
Waist/hip ratio (women)	0.797	0.004	678	1818	1.043	0.005	0.789	0.804
MUAC (men)	28.68	0.245	382	1028	1.214	0.009	28.2	29.169
MUAC (women)	31.14	0.203	678	1818	1.132	0.007	30.733	31.537
Height (men)	170.7	0.5	382	1028	1.156	0.003	169.677	171.659
Height (women)	159	0.323	678	1818	1.257	0.002	158.345	159.626
Body Mass Index (men)	23.32	0.253	382	1028	1.223	0.011	22.82	23.824
Body Mass Index (women)	28.11	0.262	678	1818	1.166	0.009	27.593	28.63
Obesity (men)	1.913	0.014	382	1028	1.178	0.007	1.885	1.942
Obesity (women)	1.649	0.019	678	1818	1.122	1.012	1.61	1.687
Systolic Blood Pressure (men)	126.4	1.101	534	428	1.054	0.009	124.217	128.593
Systolic Blood Pressure (women)	118.2	1.055	669	1794	1.189	0.009	116.099	120.276
Diastolic Blood Pressure (men)	78.62	0.718	534	428	1.148	0.009	77.197	80.051
Diastolic Blood Pressure (women)	74.93	0.562	669	1794	1.129	0.007	73.822	76.046
Pulse (men)	72.09	0.569	549	440	1.062	0.008	70.958	73.221
Pulse (women)	76.75	0.5	672	1802	1.049	0.007	75.755	77.734
Hypertensive (men)	0.12	0.013	554	444	0.974	0.11	0.094	0.146
Hypertensive (women)	0.198	0.017	704	1887	1.09	0.084	0.165	0.231
Airflow Limitation (men)	0.06	0.01	554	444	1.008	0.151	0.045	0.084
Airflow Limitation (women)	0.08	0.01	704	1887	0.97	0.121	0.063	0.103
Chronic Bronchitis (men)	0.02	0.005	554	444	0.941	0.327	0.006	0.027
Chronic Bronchitis (women)	0.02	0.006	704	1887	1.989	0.249	0.012	0.035
Abnormal Peak Flow (men)	0.04	0.01	554	444	1.008	0.264	0.018	0.058
Abnormal Peak Flow (women)	0.06	0.009	704	1887	1.07	0.168	0.037	0.074

Table B.12 Sampling errors - Mpumalanga sample, South Africa 1998

Variable	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un-weighted (N)	Weighted (WN)			Value-2SE (R-2SE)	Value+2SE (R+2E)
Urban	0.424	0.022	1131	819	1.492	0.052	0.38	0.468
No education	0.103	0.011	1131	819	1.183	0.104	0.082	0.125
Reached standard 6 or higher	0.623	0.020	1131	819	1.38	0.032	0.584	0.663
Never married	0.538	0.017	1131	819	1.153	0.032	0.504	0.572
Currently married	0.377	0.018	1131	819	1.227	0.047	0.341	0.412
Married before age 20	0.277	0.017	864	629	1.142	0.063	0.242	0.312
Sex before age 18	0.656	0.017	864	629	1.068	0.026	0.622	0.691
Children ever born	2.063	0.062	1131	819	0.930	0.030	1.940	2.186
Children ever born to women over 40	4.507	0.198	199	146	1.060	0.044	4.112	4.903
Children surviving	1.825	0.053	1131	819	0.934	0.029	1.719	1.932
Knowing any contraceptive method	0.98	0.007	421	309	0.980	0.007	0.966	0.993
Knowing any modern contraceptive method	0.978	0.007	421	309	0.966	0.007	0.964	0.992
Ever used any contraceptive method	0.841	0.021	421	309	1.199	0.025	0.799	0.884
Currently using any method	0.485	0.025	421	309	1.035	0.052	0.435	0.536
Currently using a modern method	0.459	0.026	421	309	1.089	0.058	0.406	0.512
Currently using pill	0.087	0.011	421	309	0.810	0.128	0.065	0.110
Currently using IUD	0.009	0.005	421	309	0.977	0.498	0.000	0.018
Currently using injections	0.211	0.020	421	309	1.009	0.095	0.171	0.251
Currently using condom	0.022	0.009	421	309	1.332	0.438	0.003	0.04
Currently using female sterilisation	0.110	0.020	421	309	1.337	0.185	0.069	0.151
Currently using male sterilisation	0.019	0.011	421	309	1.563	0.542	0.000	0.040
Currently using calendar/rhythm method	0.008	0.006	421	309	1.384	0.737	0.000	0.021
Currently using withdrawal	0.009	0.003	421	309	0.734	0.374	0.002	0.016
Using public sector source	0.837	0.023	521	379	1.430	0.028	0.791	0.884
Want no more children	0.453	0.025	421	309	1.038	0.056	0.402	0.503
Want to delay at least 2 years	0.151	0.019	421	309	1.060	0.123	0.114	0.188
Ideal number of children	3.151	0.050	1115	808	1.035	0.016	3.050	3.251
Mothers received tetanus injection	0.618	0.019	532	379	0.785	0.030	0.580	0.655
Mothers received medical care at birth	0.760	0.028	532	379	1.336	0.037	0.704	0.816
Had diarrhoea in the last 2 weeks	0.162	0.017	507	361	1.000	0.104	0.128	0.196
Treated with ORS packets	0.451	0.050	83	59	0.877	0.111	0.351	0.551
Sought medical treatment	0.628	0.065	83	59	1.155	0.104	0.497	0.758
Having health card, seen	0.795	0.036	100	72	0.891	0.046	0.723	0.867
Received BCG vaccination	0.964	0.013	100	72	0.707	0.014	0.937	0.99
Received DPT vaccination (3 doses)	0.777	0.034	100	72	0.817	0.044	0.708	0.845
Received polio vaccination (3 doses)	0.759	0.039	100	72	0.897	0.051	0.682	0.836
Received measles vaccination	0.837	0.028	100	72	0.741	0.033	0.782	0.892
Fully immunised	0.672	0.042	100	72	0.892	0.063	0.587	0.756
Total fertility rate (3 years)	3.088	0.194	NA	2280	1.174	0.063	2.700	3.475
Neonatal mortality rate (10 years)	23.626	4.736	1067	763	0.997	0.200	14.155	33.097
Infant mortality rate (10 years)	47.264	6.938	1068	763	1.033	0.147	33.388	61.141
Child mortality rate (10 years)	17.262	3.939	1069	764	0.929	0.228	9.385	25.139
Under-five mortality rate (10 years)	63.710	8.382	1070	765	1.095	0.132	46.946	80.475
Postneonatal mortality rate (10 years)	23.64	4.920	1068	763	0.993	0.208	13.797	33.479
Injuries in the last month age >15 (men)	0.02	0.004	1246	948	0.969	0.186	0.014	0.03
Injuries in the last month age > 15 (women)	0	0.002	1532	1161	0.972	0.399	0	0.008
Currently smoking (occasionally or daily) (men)	0.4	0.025	528	377	1.139	0.061	0.351	0.449
Currently smoking (occasionally or daily) (women)	0.06	0.013	713	507	1.361	0.198	0.038	0.088
Drink alcohol >= 3 or 4 (week)(men)	0.026	0.008	528	377	1.094	0.302	0.010	0.041
Drink alcohol >= 3 or 4 (weekend)(men)	0.221	0.022	528	377	0.872	0.101	0.177	0.266
Drink alcohol >= 3 or 4 (week)(women)	0.014	0.005	713	507	1.096	0.347	0.004	0.023
Drink alcohol >= 3 or 4 weekend)(women)	0.065	0.011	713	507	1.160	0.167	0.043	0.089
Hip circumference (men)	92.9	0.525	499	355	1.149	0.006	91.856	93.949
Hip circumference (women)	103	0.643	692	462	1.096	0.006	101.736	104.3
Waist/hip ratio (men)	0.855	0.004	499	355	1.124	0.005	0.847	0.863
Waist/hip ratio (women)	0.807	0.005	692	492	1.203	0.006	0.798	0.005
MUAC (men)	27.5	0.268	499	355	1.444	0.01	26.97	28.036
MUAC (women)	29.63	0.224	692	492	1.118	0.008	29.186	30.081
Height (men)	169.1	0.439	499	355	1.294	0.003	168.243	169.994
Height (women)	158.3	0.305	692	492	1.144	0.002	157.71	158.928
Body Mass Index (men)	22.15	0.257	499	355	1.326	0.012	21.635	22.66
Body Mass Index (women)	26.54	0.286	692	492	1.134	0.011	25.969	27.109
Obesity (men)	1.948	0.011	499	355	1.068	0.006	1.927	1.97
Obesity (women)	1.742	0.016	692	492	0.94	0.009	1.71	1.773
Systolic Blood Pressure (men)	119.4	1.002	505	360	1.29	0.008	117.377	121.372
Systolic Blood Pressure (women)	113.8	0.853	691	492	1.077	0.007	112.118	115.522
Diastolic Blood Pressure (men)	73.37	0.685	505	360	1.202	0.009	71.999	74.731
Diastolic Blood Pressure (women)	72.91	0.583	691	492	1.141	0.008	71.748	74.075
Pulse (men)	73.09	0.576	512	365	1.034	0.008	71.941	74.238
Pulse (women)	77.9	0.47	695	494	1.034	0.006	76.959	78.833
Hypertensive (men)	0.07	0.011	528	377	0.994	0.159	0.048	0.093
Hypertensive (women)	0.102	0.014	713	507	1.171	0.133	0.075	0.129
Airflow Limitation (men)	0.05	0.011	528	377	1.112	0.206	0.032	0.077
Airflow Limitation (women)	0.07	0.01	713	507	1	0.136	0.052	0.091
Chronic Bronchitis (men)	0.01	0.005	528	377	0.964	0.365	0.004	0.023
Chronic Bronchitis (women)	0.02	0.004	713	507	0.886	0.256	0.008	0.025
Abnormal Peak Flow (men)	0.04	0.008	528	377	0.019	0.231	0.02	0.053
Abnormal Peak Flow (women)	0.02	0.006	713	507	1.057	0.293	0.008	0.03

Table B13 Sampling errors - Northern Province sample, South Africa 1998

Variables	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un-weighted (N)	Weighted (WN)			Value-2SE (R-2SE)	Value+2SE (R+2E)
Urban	0.15	0.015	1138	1316	1.375	0.097	0.121	0.179
No education	0.125	0.013	1138	1316	1.299	0.102	0.1	0.151
Reached standard 6 or higher	0.627	0.020	1138	1316	1.392	0.032	0.587	0.667
Never married	0.442	0.019	1138	1316	1.297	0.043	0.404	0.480
Currently married	0.485	0.018	1138	1316	1.199	0.037	0.450	0.521
Married before age 20	0.438	0.024	863	998	1.391	0.054	0.391	0.485
Sex before age 18	0.543	0.025	863	998	1.500	0.047	0.492	0.594
Children ever born	2.231	0.062	1138	1316	0.915	0.028	2.107	2.356
Children ever born to women over 40	4.914	0.250	161	186	1.218	0.051	4.414	5.415
Children surviving	2.075	0.057	1138	1316	0.905	0.028	1.960	2.189
Knowing any contraceptive method	0.967	0.008	551	639	1.039	0.008	0.952	0.983
Knowing any modern contraceptive method	0.966	0.008	551	639	1.011	0.008	0.950	0.981
Ever used any contraceptive method	0.720	0.030	551	639	1.553	0.041	0.661	0.78
Currently using any method	0.454	0.027	551	639	1.279	0.060	0.399	0.508
Currently using a modern method	0.435	0.027	551	639	1.286	0.062	0.381	0.490
Currently using pill	0.089	0.014	551	639	1.169	0.160	0.060	0.117
Currently using IUD	0.005	0.003	551	639	0.999	0.578	0.000	0.012
Currently using injections	0.278	0.023	551	639	1.225	0.084	0.231	0.325
Currently using condom	0.020	0.006	551	639	1.032	0.308	0.008	0.032
Currently using female sterilisation	0.043	0.012	551	639	1.323	0.265	0.020	0.066
Currently using male sterilisation	0.000	0.000	551	639	NA	NA	0.000	0.000
Currently using calendar/rhythm method	0.000	0.000	551	639	NA	NA	0.000	0.000
Currently using withdrawal	0.013	0.005	551	639	1.096	0.411	0.002	0.023
Using public sector source	0.889	0.018	448	518	1.219	0.020	0.853	0.926
Want no more children	0.474	0.020	551	639	0.934	0.042	0.434	0.514
Want to delay at least 2 years	0.209	0.015	551	639	0.856	0.071	0.179	0.239
Ideal number of children	3.436	0.071	1092	1263	1.322	0.021	3.295	3.577
Mothers received tetanus injection	0.808	0.024	624	724	1.401	0.030	0.760	0.856
Mothers received medical care at birth	0.785	0.033	624	724	1.777	0.043	0.718	0.852
Had diarrhoea in the last 2 weeks	0.146	0.018	596	691	1.198	0.123	0.110	0.182
Treated with ORS packets	0.310	0.054	87	101	1.063	0.174	0.203	0.418
Sought medical treatment	0.425	0.065	87	101	1.165	0.152	0.296	0.554
Having health card, seen	0.890	0.021	128	149	0.745	0.023	0.849	0.932
Received BCG vaccination	0.969	0.016	128	149	1.065	0.017	0.936	1.000
Received DPT vaccination (3 doses)	0.851	0.040	128	149	1.264	0.047	0.772	0.931
Received polio vaccination (3 doses)	0.836	0.039	128	149	1.197	0.047	0.757	0.914
Received measles vaccination	0.804	0.050	128	149	1.414	0.062	0.705	0.904
Fully immunised	0.749	0.050	128	149	1.303	0.067	0.649	0.850
Total fertility rate (3 years)	3.875	0.237	NA	3638	1.224	0.061	3.401	4.350
Neonatal mortality rate (10 years)	18.348	4.514	1268	1471	1.078	0.246	9.319	27.376
Infant mortality rate (10 years)	37.201	6.745	1269	1472	1.235	0.181	23.710	50.691
Child mortality rate (10 years)	15.699	4.361	1269	1472	1.153	0.278	6.977	24.420
Under-five mortality rate (10 years)	52.315	7.954	1271	1474	1.169	0.152	36.407	68.224
Postneonatal mortality rate (10 years)	18.85	4.754	1268	1471	1.243	0.252	9.345	28.361
Injuries in the last month age >15 (men)	0.009	0.004	1079	1322	1.282	0.404	0.002	0.017
Injuries in the last month age > 15 (women)	0.004	0.002	1617	1982	1.198	0.452	0	0.008
Currently smoking (occasionally or daily) (men)	0.292	0.029	453	521	1.34	0.098	0.235	0.349
Currently smoking (occasionally or daily) (women)	0.02	0.007	745	859	1.439	0.382	0.004	0.032
Drink alcohol >= 3 or 4 (week)(men)	0.031	0.068	453	521	0.994	0.262	0.147	0.047
Drink alcohol >= 3 or 4 (weekend)(men)	0.114	0.016	453	521	1.071	0.140	0.082	0.146
Drink alcohol >= 3 or 4 (week)(women)	0.016	0.005	745	859	0.983	0.282	0.007	0.025
Drink alcohol >= 3 or 4 (weekend)(women)	0.039	0.008	745	859	1.071	0.195	0.024	0.054
Hip circumference (men)	91.21	0.608	436	502	1.164	0.007	89.987	92.424
Hip circumference (women)	98.87	0.692	701	809	1.29	0.007	92.486	100.26
Waist/hip ratio (men)	0.865	0.005	436	502	1.07	0.006	0.854	0.876
Waist/hip ratio (women)	0.831	0.005	701	809	1.331	0.006	0.82	0.842
MUAC (men)	26.98	0.244	436	502	1.315	0.009	26.495	27.473
MUAC (women)	29.19	0.194	701	809	1.117	0.007	28.801	0.007
Height (men)	168.3	0.448	436	502	1.191	0.003	167.451	169.246
Height (women)	158.3	0.303	701	809	1.105	0.002	157.723	158.939
Body Mass Index (men)	21.93	0.232	436	502	1.188	0.011	21.46	22.391
Body Mass Index (women)	25.32	0.278	701	809	1.254	0.011	24.767	25.88
Obesity (men)	1.957	0.009	436	502	0.955	0.005	1.938	1.975
Obesity (women)	1.814	0.018	701	809	1.204	0.011	24.767	25.88
Systolic Blood Pressure (men)	119.7	0.969	448	516	1.158	0.008	117.755	121.638
Systolic Blood Pressure (women)	115.4	0.81	713	822	1.085	0.007	113.785	117.032
Diastolic Blood Pressure (men)	72.43	0.661	448	516	1.172	0.009	71.103	73.752
Diastolic Blood Pressure (women)	72.03	0.453	713	822	1	0.006	71.124	72.942
Pulse (men)	71.65	0.754	449	517	1.36	0.011	70.142	73.166
Pulse (women)	76.64	0.623	718	828	1.405	0.008	75.389	77.885
Hypertensive (men)	0.09	0.016	453	521	1.195	0.178	0.058	0.122
Hypertensive (women)	0.08	0.009	745	859	0.973	0.125	0.056	0.093
Airflow Limitation (men)	0.04	0.011	453	521	1.214	0.289	0.016	0.06
Airflow Limitation (women)	0.05	0.009	745	859	1.048	0.159	0.037	0.072
Chronic Bronchitis (men)	0.01	0.005	453	521	0.977	0.397	0.003	0.024
Chronic Bronchitis (women)	0.02	0.003	745	859	0.911	0.273	0.007	0.023
Abnormal Peak Flow (men)	0.03	0.007	453	521	0.899	0.237	0.016	0.046
Abnormal Peak Flow (women)	0.02	0.006	745	859	1.071	0.274	0.009	0.031

Table B.14 Sampling errors - African sample, South Africa 1998

Variable	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un-weighted (N)	Weighted (WN)			Value-2SE (R-2SE)	Value+2SE (R+2E)
Urban	0.533	0.008	8993	9147	1.548	0.015	0.516	0.549
No education	0.082	0.004	8993	9147	1.490	0.053	0.073	0.090
Reached standard 6 or higher	0.641	0.008	8993	9147	1.655	0.013	0.624	0.658
Never married	0.516	0.008	8993	9147	1.494	0.015	0.500	0.532
Currently married	0.397	0.008	8993	9147	1.454	0.019	0.382	0.412
Married before age 20	0.237	0.006	7083	7345	1.251	0.027	0.224	0.249
Sex before age 18	0.517	0.008	7083	7345	1.384	0.016	0.501	0.533
Children ever born	2.015	0.029	8993	9147	1.323	0.015	1.957	2.074
Children ever born to women over 40	4.082	0.080	1579	1646	1.300	0.020	3.923	4.242
Children surviving	1.836	0.026	8993	9147	1.295	0.014	1.784	1.888
Knowing any contraceptive method	0.975	0.004	3459	3628	1.432	0.004	0.968	0.983
Knowing any modern contraceptive method	0.973	0.004	3459	3628	1.601	0.005	0.964	0.982
Ever used any contraceptive method	0.804	0.009	3459	3628	1.384	0.012	0.785	0.823
Currently using any method	0.502	0.010	3459	3628	1.206	0.020	0.481	0.522
Currently using a modern method	0.490	0.010	3459	3628	1.210	0.021	0.469	0.510
Currently using pill	0.083	0.006	3459	3628	1.173	0.066	0.072	0.094
Currently using IUD	0.012	0.002	3459	3628	1.109	0.172	0.008	0.016
Currently using injections	0.279	0.009	3459	3628	1.129	0.031	0.261	0.296
Currently using condom	0.012	0.002	3459	3628	1.157	0.176	0.008	0.017
Currently using female sterilisation	0.104	0.007	3459	3628	1.302	0.065	0.090	0.117
Currently using male sterilisation	0.000	0.000	3459	3628	0.477	1.000	0.000	0.000
Currently using calendar/rhythm method	0.002	0.001	3459	3628	1.331	0.466	0.000	0.005
Currently using withdrawal	0.007	0.002	3459	3628	1.440	0.286	0.003	0.011
Using public sector source	0.883	0.007	4294	4368	1.516	0.008	0.868	0.898
Want no more children	0.482	0.009	3459	3628	1.082	0.019	0.464	0.501
Want to delay at least 2 years	0.141	0.007	3459	3628	1.267	0.053	0.126	0.156
Ideal number of children	2.975	0.026	8865	9004	1.550	0.009	2.923	3.028
Mothers received tetanus injection	0.653	0.012	4119	4149	1.463	0.019	0.629	0.677
Mothers received medical care at birth	0.821	0.009	4119	4149	1.392	0.012	0.802	0.84
Had diarrhoea in the last 2 weeks	0.142	0.007	3882	3920	1.167	0.048	0.128	0.156
Treated with ORS packets	0.521	0.027	549	556	1.196	0.051	0.467	0.574
Sought medical treatment	0.591	0.030	549	556	1.338	0.050	0.532	0.650
Having health card, seen	0.737	0.019	794	815	1.186	0.025	0.700	0.774
Received BCG vaccination	0.962	0.008	794	815	1.151	0.008	0.947	0.978
Received DPT vaccination (3 doses)	0.755	0.020	794	815	1.301	0.026	0.715	0.795
Received polio vaccination (3 doses)	0.712	0.019	794	815	1.199	0.027	0.673	0.75
Received measles vaccination	0.814	0.018	794	815	1.307	0.022	0.778	0.85
Fully immunised	0.618	0.023	794	815	1.311	0.037	0.572	0.663
Total fertility rate (3 years)	3.105	0.094	NA	27768	1.597	0.030	2.917	3.294
Neonatal mortality rate (10 years)	20.559	1.860	8571	8663	1.152	0.090	16.839	24.278
Infant mortality rate (10 years)	47.034	2.954	8582	8672	1.211	0.063	41.125	52.943
Child mortality rate (10 years)	17.362	2.040	8601	8686	1.354	0.117	13.282	21.442
Under-five mortality rate (10 years)	63.580	3.586	8613	8696	1.269	0.056	56.408	70.752
Postneonatal mortality rate (10 years)	26.476	2.429	8581	8671	1.289	0.092	21.619	31.333
Currently smoking (occasionally or daily) (men)	0.4	0.009	4283	4257	1.12	0.024	0.382	0.419
Currently smoking (occasionally or daily) (women)	0.501	0.004	6173	6268	10190	0.073	0.043	0.058
Drink alcohol >= 3 or 4 (week)(men)	0.031	0.003	4283	4257	0.973	0.098	0.025	0.038
Drink alcohol >= 3 or 4 (weekend)(men)	0.147	0.007	4283	4257	1.080	0.045	0.134	0.160
Drink alcohol >= 3 or 4 (week)(women)	0.016	0.002	6173	6268	0.998	0.114	0.012	0.020
Drink alcohol >= 3 or 4 (weekend)(women)	0.051	0.003	6173	6268	1.037	0.064	0.045	0.058
Hip circumference (men)	92.53	0.214	4002	3959	1.172	0.002	92.109	92.948
Hip circumference (women)	104.6	0.275	5886	5974	1.217	0.003	104.104	105.183
Waist/hip ratio (men)	0.861	0.002	4002	3959	1.082	0.002	0.858	0.865
Waist/hip ratio (women)	0.82	0.002	5886	5974	1.214	0.002	0.816	0.823
MUAC (men)	27.53	0.085	4002	3959	1.25	0.003	27.366	27.699
MUAC (women)	30.36	0.09	5886	5974	1.112	0.003	30.184	30.536
Height (men)	167.5	0.167	4002	3959	1.139	0.001	167.18	167.836
Height (women)	159.9	0.129	5886	5974	1.229	0.001	157.67	158.178
Body Mass Index (men)	22.36	0.085	4002	3959	1.15	0.004	22.195	22.529
Body Mass Index (women)	27.28	0.118	5886	5974	1.148	0.004	27.049	27.513
Obesity (men)	1.949	0.004	4002	3959	1.045	0.002	1.941	1.958
Obesity (women)	1.696	0.008	5886	5974	1.142	0.005	1.68	1.712
Systolic Blood Pressure (men)	121.3	0.388	4125	4099	1.095	0.003	120.54	122.063
Systolic Blood Pressure (women)	118.1	0.406	5913	5988	1.204	0.003	117.298	118.891
Diastolic Blood Pressure (men)	74.79	0.272	1427	4101	1.126	0.004	74.257	75.327
Diastolic Blood Pressure (women)	75	0.226	5915	5989	1.173	0.003	74.555	75.443
Pulse (men)	72.54	0.256	4229	4198	1.195	0.004	72.041	73.047
Pulse (women)	76.82	0.208	6020	6095	1.142	0.003	76.414	77.231
Hypertensive (men)	0.105	0.006	4283	4257	1.061	0.056	0.094	0.117
Hypertensive (women)	0.146	0.006	6173	6268	1.111	0.04	0.134	0.157
Airflow Limitation (men)	0.06	0.005	4283	4257	1.133	0.074	0.055	0.074
Airflow Limitation (women)	0.09	0.005	6173	6268	1.157	0.053	0.077	0.094
Chronic Bronchitis (men)	0.02	0.003	4283	4257	1.108	0.138	0.015	0.026
Chronic Bronchitis (women)	0.03	0.002	6173	6268	1.031	0.087	0.023	0.033
Abnormal Peak Flow (men)	0.04	0.004	4283	4257	1.043	0.093	0.035	0.05
Abnormal Peak Flow (women)	0.04	0.003	6173	6268	1.108	0.085	0.034	0.047

Table B.15 Sampling errors - Coloured sample, South Africa 1998

Variables	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un- weighted (N)	Weighted (WN)			Value- 2SE (R-2SE)	Value+ 2SE (R+2E)
Urban	0.824	0.025	1533	1201	2.577	0.030	0.774	0.874
No education	0.036	0.005	1533	1201	1.080	0.142	0.026	0.047
Reached standard 6 or higher	0.694	0.023	1533	1201	1.921	0.033	0.649	0.739
Never married	0.461	0.019	1533	1201	1.514	0.042	0.422	0.500
Currently married	0.460	0.018	1533	1201	1.397	0.039	0.425	0.496
Married before age 20	0.164	0.015	1257	993	1.406	0.090	0.135	0.193
Sex before age 18	0.343	0.016	1257	993	1.228	0.048	0.310	0.376
Children ever born	1.742	0.048	1533	1201	1.146	0.028	1.646	1.838
Children ever born to women over 40	3.220	0.123	310	236	1.172	0.038	2.974	3.466
Children surviving	1.656	0.047	1533	1201	1.187	0.028	1.562	1.749
Knowing any contraceptive method	0.995	0.003	693	553	1.104	0.003	0.989	1.000
Knowing any modern contraceptive method	0.995	0.003	693	553	1.104	0.003	0.989	1.000
Ever used any contraceptive method	0.940	0.011	693	553	1.166	0.011	0.919	0.961
Currently using any method	0.682	0.020	693	553	1.142	0.030	0.641	0.722
Currently using a modern method	0.678	0.021	693	553	1.161	0.030	0.636	0.719
Currently using pill	0.115	0.018	693	553	1.465	0.155	0.079	0.150
Currently using IUD	0.019	0.008	693	553	1.441	0.390	0.004	0.034
Currently using injections	0.234	0.023	693	553	1.430	0.098	0.188	0.280
Currently using condom	0.010	0.005	693	553	1.470	0.569	0.000	0.020
Currently using female sterilisation	0.278	0.021	693	553	1.210	0.074	0.237	0.320
Currently using male sterilisation	0.021	0.009	693	553	1.566	0.404	0.004	0.038
Currently using calendar/rhythm method	0.002	0.002	693	553	1.287	1.000	0.000	0.007
Currently using withdrawal	0.000	0.000	693	553	NA	NA	0.000	0.000
Using public sector source	0.902	0.016	788	644	1.469	0.017	0.871	0.933
Want no more children	0.352	0.023	693	553	1.272	0.066	0.306	0.398
Want to delay at least 2 years	0.093	0.014	693	553	1.296	0.154	0.064	0.121
Ideal number of children	2.506	0.042	1507	1175	1.139	0.017	2.423	2.590
Mothers received tetanus injection	0.310	0.025	589	445	1.184	0.082	0.260	0.361
Mothers received medical care at birth	0.948	0.010	589	445	1.041	0.011	0.928	0.968
Had diarrhoea in the last 2 weeks	0.115	0.016	570	435	1.198	0.140	0.083	0.147
Treated with ORS packets	0.469	0.078	67	50	1.239	0.166	0.314	0.625
Sought medical treatment	0.649	0.066	67	50	1.100	0.101	0.518	0.781
Having health card, seen	0.824	0.046	118	91	1.298	0.056	0.732	0.916
Received BCG vaccination	0.994	0.006	118	91	0.806	0.006	0.983	1.000
Received DPT vaccination (3 doses)	0.807	0.049	118	91	1.338	0.061	0.708	0.905
Received polio vaccination (3 doses)	0.790	0.050	118	91	1.325	0.064	0.689	0.890
Received measles vaccination	0.858	0.042	118	91	1.280	0.048	0.775	0.941
Fully immunised	0.746	0.055	118	91	1.360	0.074	0.636	0.856
Total fertility rate (3 years)	2.535	0.148	NA	3406	1.367	0.058	2.239	2.830
Neonatal mortality rate (10 years)	9.578	3.595	1215	929	1.242	0.375	2.388	16.768
Infant mortality rate (10 years)	18.803	4.735	1215	929	1.096	0.252	9.334	28.273
Child mortality rate (10 years)	9.559	3.871	1218	931	1.355	0.405	1.818	17.301
Under-five mortality rate (10 years)	28.183	7.066	1218	931	1.277	0.251	14.050	42.316
Postneonatal mortality rate (10 years)	9.225	2.660	1215	929	0.892	0.288	3.906	14.544
Currently smoking (occasionally or daily) (men)	0.570	0.023	772	637	1.060	0.040	0.524	0.614
Currently smoking (occasionally or daily) (women)	0.4	0.022	1008	806	1.15	0.054	0.357	0.442
Drink alcohol >= 3 or 4 (week)(men)	0.014	0.008	772	637	0.950	0.201	0.025	0.058
Drink alcohol >= 3 or 4 (weekend)(men)	0.174	0.019	772	637	1.182	0.109	0.137	0.212
Drink alcohol >= 3 or 4 (week)(women)	0.009	0.004	1008	806	1.164	0.458	0.001	0.018
Drink alcohol >= 3 or 4 weekend)(women)	0.079	0.010	1008	806	1.037	0.130	0.059	0.099
Hip circumference (men)	95.61	0.527	740	605	1.225	0.006	95.573	96.656
Hip circumference (women)	104.1	0.614	985	785	1.143	0.006	102.91	105.335
Waist/hip ratio (men)	0.866	0.005	740	605	1.131	0.005	0.857	0.875
Waist/hip ratio (women)	0.828	0.004	985	785	1.01	0.005	0.82	0.835
MUAC (men)	28.24	0.193	740	605	1.133	0.007	27.855	28.617
MUAC (women)	29.26	0.254	985	785	1.527	0.009	28.758	29.759
Height (men)	167.6	0.449	740	605	1.345	0.003	166.679	168.452
Height (women)	157	0.299	985	785	1.198	0.002	156.43	157.611
Body Mass Index (men)	23.2	0.223	740	605	1.169	0.01	22.756	23.635
Body Mass Index (women)	26.66	0.313	985	785	1.163	0.012	26.043	27.278
Obesity (men)	1.927	0.112	740	605	1.052	0.006	1.904	1.95
Obesity (women)	1.728	0.019	985	785	1.119	0.011	1.69	1.767
Systolic Blood Pressure (men)	128.5	0.922	763	629	1.116	0.007	126.664	130.305
Systolic Blood Pressure (women)	122.3	0.935	994	793	1.072	0.008	120.459	124.149
Diastolic Blood Pressure (men)	79.03	0.61	763	629	1.112	0.008	77.826	80.238
Diastolic Blood Pressure (women)	77.35	0.547	994	793	1.167	0.007	76.272	78.431
Pulse (men)	73.91	0.666	766	631	1.225	0.009	72.592	75.226
Pulse (women)	77.07	0.564	996	795	1.184	0.007	75.956	78.182
Hypertensive (men)	0.136	0.014	772	637	0.984	0.105	0.108	0.165
Hypertensive (women)	0.224	0.017	1008	806	1.061	0.077	0.19	0.258
Airflow Limitation (men)	0.06	0.012	772	637	1.237	0.191	0.039	0.086
Airflow Limitation (women)	0.08	0.01	1008	806	0.981	0.12	0.062	0.1
Chronic Bronchitis (men)	0.04	0.008	772	637	1.05	0.219	0.02	0.051
Chronic Bronchitis (women)	0.03	0.006	1008	806	1.086	0.221	0.016	0.041
Abnormal Peak Flow (men)	0.04	0.007	772	637	0.98	0.185	0.024	0.052
Abnormal Peak Flow (women)	0.06	0.01	1008	806	1.413	0.181	0.035	0.074

NA = Not applicable

Table B.16 Sampling errors - White sample, South Africa 1998

Variables	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un-weighted (N)	Weighted (WN)			Value-2SE (R-2SE)	Value+2SE (R+2E)
Urban	0.867	0.013	755	916	1.013	0.014	0.842	0.892
No education	0.001	0.001	755	916	0.728	0.688	0.000	0.004
Reached standard 6 or higher	0.993	0.004	755	916	1.367	0.004	0.985	1.000
Never married	0.259	0.022	755	916	1.409	0.087	0.214	0.304
Currently married	0.671	0.024	755	916	1.424	0.036	0.623	0.720
Married before age 20	0.322	0.024	639	754	1.291	0.074	0.274	0.370
Sex before age 18	0.206	0.021	639	754	1.314	0.102	0.164	0.248
Children ever born	1.535	0.077	755	916	1.590	0.050	1.380	1.689
Children ever born to women over 40	2.453	0.099	219	267	1.238	0.040	2.256	2.651
Children surviving	1.515	0.076	755	916	1.586	0.050	1.363	1.666
Knowing any contraceptive method	0.999	0.001	522	615	0.459	0.001	0.998	1.000
Knowing any modern contraceptive method	0.999	0.001	522	615	0.459	0.001	0.998	1.000
Ever used any contraceptive method	0.974	0.009	522	615	1.214	0.009	0.956	0.991
Currently using any method	0.727	0.023	522	615	1.167	0.031	0.682	0.773
Currently using a modern method	0.713	0.023	522	615	1.148	0.032	0.667	0.758
Currently using pill	0.150	0.016	522	615	1.050	0.110	0.117	0.183
Currently using IUD	0.042	0.011	522	615	1.217	0.254	0.021	0.064
Currently using injections	0.043	0.012	522	615	1.360	0.281	0.019	0.067
Currently using condom	0.042	0.009	522	615	1.049	0.221	0.023	0.060
Currently using female sterilisation	0.281	0.016	522	615	0.824	0.058	0.249	0.314
Currently using male sterilisation	0.155	0.020	522	615	1.284	0.131	0.114	0.196
Currently using calendar/rhythm method	0.007	0.005	522	615	1.227	0.634	0.000	0.016
Currently using withdrawal	0.005	0.004	522	615	1.319	0.781	0.000	0.014
Using public sector source	0.444	0.027	452	522	1.145	0.060	0.390	0.497
Want no more children	0.267	0.021	522	615	1.108	0.080	0.224	0.310
Want to delay at least 2 years	0.072	0.013	522	615	1.182	0.186	0.045	0.098
Ideal number of children	2.337	0.045	747	907	1.024	0.019	2.247	2.428
Mothers received tetanus injection	0.113	0.027	212	250	1.042	0.237	0.059	0.167
Mothers received medical care at birth	0.990	0.009	212	250	1.320	0.009	0.972	1.000
Had diarrhoea in the last 2 weeks	0.053	0.022	209	245	1.184	0.410	0.010	0.096
Treated with ORS packets	0.282	0.160	11	13	1.082	0.566	0.000	0.601
Sought medical treatment	0.370	0.243	11	13	1.287	0.658	0.000	0.856
Having health card, seen	0.720	0.088	34	42	1.154	0.123	0.543	0.896
Received BCG vaccination	1.000	0.000	34	42	NA	0.000	1.000	1.000
Received DPT vaccination (3 doses)	0.786	0.090	34	42	1.285	0.114	0.606	0.965
Received polio vaccination (3 doses)	0.702	0.092	34	42	1.188	0.132	0.517	0.887
Received measles vaccination	0.852	0.068	34	42	1.126	0.080	0.716	0.988
Fully immunised	0.627	0.099	34	42	1.201	0.157	0.430	0.825
Total fertility rate (3 years)	1.885	0.234	NA	2574	1.249	0.124	1.417	2.353
Neonatal mortality rate (10 years)	11.413	8.939	445	546	1.344	0.783	0.000	29.291
Infant mortality rate (10 years)	11.413	8.939	445	546	1.344	0.783	0.000	29.291
Child mortality rate (10 years)	3.884	2.419	446	547	0.882	0.623	0.000	8.723
Under-five mortality rate (10 years)	15.254	9.133	446	547	1.281	0.599	0.000	33.521
Postneonatal mortality rate (10 years)	0	0.000	445	546	NA	NA	0.000	0.000
Currently smoking (occasionally or daily) (men)	0.39	0.024	500	564	0.888	0.623	0.342	0.438
Currently smoking (occasionally or daily) (women)	0.266	0.027	603	767	1.272	0.101	0.212	0.319
Drink alcohol >= 3 or 4 (week)(men)	0.022	0.009	500	564	1.066	0.386	0.005	0.039
Drink alcohol >= 3 or 4 (weekend)(men)	0.125	0.019	500	564	0.986	0.154	0.087	0.163
Drink alcohol >= 3 or 4 (week)(women)	0.013	0.006	603	767	1.108	0.430	0.002	0.024
Drink alcohol >= 3 or 4 weekend)(women)	0.069	0.015	603	767	1.161	0.210	0.040	0.098
Hip circumference (men)	104.1	0.513	470	527	0.97	0.005	103.059	105.085
Hip circumference (women)	106.8	0.602	572	722	0.919	0.006	105.584	107.965
Waist/hip ratio (men)	0.91	0.006	470	527	1.04	0.006	0.899	0.921
Waist/hip ratio (women)	0.8	0.004	572	722	1.047	0.005	0.792	0.808
MUAC (men)	31.09	0.236	470	527	0.976	0.008	30.621	31.554
MUAC (women)	30.21	0.256	572	722	1.021	0.008	29.708	30.719
Height (men)	177.4	0.458	470	527	1.192	0.003	176.477	178.287
Height (women)	163.4	0.328	572	722	1.057	0.002	162.786	164.08
Body Mass Index (men)	26.09	0.28	470	527	0.961	0.107	25.54	26.646
Body Mass Index (women)	26.51	0.278	572	722	0.927	0.011	25.957	27.057
Obesity (men)	1.805	0.022	470	527	0.969	0.012	1.849	1.761
Obesity (women)	1.749	0.019	572	722	0.828	0.011	1.712	1.787
Systolic Blood Pressure (men)	131.9	1.424	477	533	1.178	0.011	129.096	134.729
Systolic Blood Pressure (women)	120.7	1.295	569	724	1.203	0.011	118.093	123.213
Diastolic Blood Pressure (men)	80.29	0.9	477	533	1.206	0.011	78.512	82.069
Diastolic Blood Pressure (women)	75.73	0.598	569	724	1.049	0.008	74.546	76.91
Pulse (men)	72.94	0.703	477	533	1.036	0.01	71.547	74.326
Pulse (women)	74.12	0.568	569	724	0.958	0.008	73.001	75.245
Hypertensive (men)	0.246	0.025	500	564	1.071	0.101	0.197	0.295
Hypertensive (women)	0.234	0.023	603	767	1.059	0.992	0.28	0.188
Airflow Limitation (men)	0.09	0.18	500	564	1.258	0.213	0.049	0.12
Airflow Limitation (women)	0.08	0.011	603	767	0.906	0.141	0.058	0.103
Chronic Bronchitis (men)	0.03	0.009	500	564	0.956	0.312	0.011	0.046
Chronic Bronchitis (women)	0.03	0.01	603	767	1.006	0.333	0.01	0.473
Abnormal Peak Flow (men)	0.02	0.104	500	564	0.968	0.433	0.003	0.045
Abnormal Peak Flow (women)	0.04	0.011	603	767	1.057	0.264	0.192	0.061

Table B.17 Sampling errors - Asian sample, South Africa 1998

Variables	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative error (SE/R)	Confidence intervals	
			Un-weighted (N)	Weighted (WN)			Value-2SE (R-2SE)	Value+2SE (R+2E)
Urban	0.982	0.018	393	406	2.681	0.019	0.945	1
No education	0.012	0.006	393	406	1.070	0.495	0.000	0.023
Reached standard 6 or higher	0.896	0.019	393	406	1.202	0.021	0.859	0.933
Never married	0.300	0.022	393	406	0.971	0.075	0.255	0.345
Currently married	0.615	0.024	393	406	0.996	0.040	0.566	0.664
Married before age 20	0.367	0.031	330	340	1.161	0.084	0.305	0.429
Sex before age 18	0.216	0.025	330	340	1.088	0.114	0.167	0.266
Children ever born	1.682	0.093	393	406	1.159	0.056	1.495	1.868
Children ever born to women over 40	2.676	0.180	100	102	1.172	0.067	2.317	3.035
Children surviving	1.612	0.084	393	406	1.097	0.052	1.443	1.78
Knowing any contraceptive method	0.990	0.009	242	250	1.506	0.010	0.972	1
Knowing any modern contraceptive method	0.990	0.009	242	250	1.506	0.010	0.972	1
Ever used any contraceptive method	0.938	0.018	242	250	1.133	0.019	0.902	0.973
Currently using any method	0.775	0.027	242	250	1.018	0.035	0.720	0.830
Currently using a modern method	0.767	0.028	242	250	1.018	0.036	0.712	0.823
Currently using pill	0.294	0.030	242	250	1.035	0.103	0.234	0.355
Currently using IUD	0.037	0.015	242	250	1.208	0.396	0.008	0.067
Currently using injections	0.038	0.011	242	250	0.909	0.294	0.016	0.061
Currently using condom	0.038	0.014	242	250	1.154	0.375	0.009	0.066
Currently using female sterilisation	0.356	0.030	242	250	0.965	0.084	0.296	0.415
Currently using male sterilisation	0.004	0.004	242	250	0.946	0.983	0.000	0.011
Currently using calendar/rhythm method	0.004	0.004	242	250	0.942	0.979	0.000	0.011
Currently using withdrawal	0.004	0.004	242	250	0.938	0.975	0.000	0.011
Using public sector source	0.638	0.043	216	224	1.315	0.068	0.552	0.724
Want no more children	0.391	0.032	242	250	1.008	0.081	0.328	0.454
Want to delay at least 2 years	0.070	0.019	242	250	1.131	0.265	0.033	0.108
Ideal number of children	2.472	0.070	387	399	1.042	0.028	2.333	2.612
Mothers received tetanus injection	0.344	0.051	110	114	1.006	0.148	0.242	0.446
Mothers received medical care at birth	0.992	0.008	110	114	0.949	0.008	0.975	1.000
Had diarrhoea in the last 2 weeks	0.065	0.028	107	111	1.184	0.436	0.008	0.121
Treated with ORS packets	0.467	0.228	6	7	1.204	0.489	0.010	0.923
Sought medical treatment	0.733	0.176	6	7	1.044	0.239	0.382	1.000
Having health card, seen	0.820	0.085	21	21	1.005	0.104	0.650	0.990
Received BCG vaccination	1.000	0.000	21	21	NA	0.000	1.000	1.000
Received DPT vaccination (3 doses)	0.910	0.062	21	21	0.981	0.068	0.786	1.000
Received polio vaccination (3 doses)	0.820	0.085	21	21	1.005	0.104	0.650	0.990
Received measles vaccination	0.910	0.065	21	21	1.026	0.071	0.780	1.000
Fully immunised	0.775	0.099	21	21	1.070	0.127	0.578	0.972
Total fertility rate (3 years)	-	-	-	-	-	-	-	-
Neonatal mortality rate (10 years)	-	-	-	-	-	-	-	-
Infant mortality rate (10 years)	-	-	-	-	-	-	-	-
Child mortality rate (10 years)	-	-	-	-	-	-	-	-
Under-five mortality rate (10 years)	-	-	-	-	-	-	-	-
Postneonatal mortality rate (10 years)	-	-	-	-	-	-	-	-
Currently smoking (occasionally or daily) (men)	0.542	0.04	183	195	1.129	0.074	0.461	0.623
Currently smoking (occasionally or daily) (women)	0.09	0.022	279	300	1.213	0.244	0.046	0.134
Drink alcohol >= 3 or 4 (week)(men)	0.005	0.005	183	195	0.987	0.987	0	0.015
Drink alcohol >= 3 or 4 (weekend)(men)	0.021	0.009	183	195	0.322	0.453	0.002	0.030
Drink alcohol >= 3 or 4 (week)(women)	-	-	279	300	-	-	-	-
Drink alcohol >= 3 or 4 weekend)(women)	-	-	279	300	-	-	-	-
Hip circumference (men)	95.62	1.084	173	186	1.095	0.011	93.442	97.805
Hip circumference (women)	100.3	0.761	261	282	0.939	0.008	98.8	101.859
Waist/hip ratio (men)	0.904	0.008	173	186	0.853	0.009	0.889	0.92
Waist/hip ratio (women)	0.799	0.007	261	282	1.299	0.009	0.785	0.813
MUAC (men)	29.17	0.331	173	186	0.91	0.011	28.503	29.834
MUAC (women)	28.63	0.342	261	282	1.171	0.012	27.943	29.316
Height (men)	170.4	0.57	173	186	1.015	0.003	169.248	171.543
Height (women)	155.6	0.562	261	282	1.16	0.004	154.459	156.714
Body Mass Index (men)	23.17	0.367	173	186	0.93	0.016	22.426	23.903
Body Mass Index (women)	25.17	0.406	261	282	1.041	0.016	24.354	25.984
Obesity (men)	1.909	0.021	173	186	0.997	0.011	1.866	1.952
Obesity (women)	1.786	0.026	261	282	0.983	0.015	1.732	1.839
Systolic Blood Pressure (men)	122.1	1.383	175	188	1.037	0.011	124.87	119.287
Systolic Blood Pressure (women)	113.6	1.596	261	280	1.113	0.014	110.367	116.796
Diastolic Blood Pressure (men)	76.35	0.938	175	188	0.998	0.012	74.46	78.247
Diastolic Blood Pressure (women)	72.6	0.788	261	280	1.036	0.011	71.016	74.19
Pulse (men)	78.57	0.808	175	188	1.01	0.01	76.937	80.197
Pulse (women)	79.09	0.794	264	283	1.132	0.01	77.494	80.691
Hypertensive (men)	0.187	0.028	183	195	0.941	0.153	0.129	0.244
Hypertensive (women)	0.18	0.022	279	300	0.937	0.125	0.135	0.225
Airflow Limitation (men)	0.09	0.023	183	195	0.969	0.257	0.043	0.136
Airflow Limitation (women)	0.125	0.019	279	300	0.958	0.154	0.086	0.163
Chronic Bronchitis (men)	0.03	0.016	183	195	1.005	0.559	0	0.062
Chronic Bronchitis (women)	0	0.005	279	300	0.992	0.7	0	0.016
Abnormal Peak Flow (men)	0.05	0.02	183	195	1.045	0.408	0.009	0.089
Abnormal Peak Flow (women)	0.03	0.01	279	300	1.133	0.391	0.006	0.048