

### **B.1** Introduction

The purpose of this document is to provide recommendations for the sample design of the 2008 NDHS survey, and the corresponding selection procedures performed prior to the survey implementation.

## **B.2** OBJECTIVES OF THE SAMPLE DESIGN

- (1) The 2008 NDHS survey is designed to allow reliable estimation of most variables for a variety of health and demographic analyses at the various domains of interest.
- (2) The major domains distinguished in the tabulation of important characteristics for the eligible women population are:
  - Nigeria as a whole
  - Each of six major regions defined in Nigeria, and named as:
    - 1) North Central
    - 2) North East
    - 3) North West
    - 4) South East
    - 5) South West
    - 6) South South
  - Urban and rural areas of Nigeria (each as a separate domain).
  - Each of the 36 sates of Nigeria, plus the Federal Capital Territory (FCT) of Abuja.
- (3) The primary objective of the 2008 NDHS is to provide estimates with acceptable precision for important population characteristics such as fertility, contraceptive prevalence, selected health indicators, mainly infant mortality and an HIV/AIDS module for women and men.
- (4) The population covered by the 2008 NDHS is defined as the universe of all women age 15-49 in Nigeria.
- (5) A sample of households was selected and all women age 15-49 identified in the households will be interviewed.
- (6) Approximately half of the selected households for the women sample were used to interview the eligible men age 15-59, and estimates were computed for the same domains of study.

#### **B.3** SAMPLE FRAME

Administratively, Nigeria is divided into states. Each state is subdivided into local government areas (LGAs), and each LGA is divided into localities. In addition to these administrative units, during the last 2006 Population Census, each locality was subdivided into convenient areas called census enumeration areas (EAs). Nigeria has 36 states, plus FCT-Abuja. At the time of survey implementation, the list of EAs did not have census information for households and the population because the census frame is under segmentation revision. Therefore, no household or population information was available at the EA level. The need for sampling planning and selection of such information on urban/rural was quite important; therefore, each EA was approximately classified as urban or rural. The available cartographic material demarcated for each EA was useful in the EA location and its identification; hence the sample frame for this survey is the list of EAs used in the last census population.

#### **B.4 STRATIFICATION**

In the current preliminary census frame, the EAs are grouped by states, by LGAs within a state, and by localities within an LGA. The EAs are stratified separately by urban and rural areas. Any locality with less than 20,000 population in each LGA constitutes the rural area in the LGA.

#### **B.5** SAMPLE ALLOCATION

The primary sampling unit (PSU), a cluster, for the 2008 NDHS is defined on the basis of EAs from the 2006 EAs census frame. A minimum requirement of 80 households (400 population) for the cluster size has been imposed in the design. If the selected EA is small during the listing process, then a supplemental household listing should be conducted in the neighbouring EA. The number of clusters in each state was not allocated proportional to their total population (or households) due to the need to obtain estimates for each of the 36 states and FCT-Abuja. Nigeria is a country where the majority of the population resides in rural areas. With the current allocation, the urban areas in some states were over-sampled in order to provide reliable information for the total urban population at the national level. Table B.1 shows the allocation of 36,800 completed interviews among the 36 states and FCT-Abuja.

The target of the 2008 NDHS sample is to obtain 36,800 completed interviews. Based on the level of non-response found in the 2003 Nigeria DHS, to achieve this target, approximately 36,800 households will be selected, and all women age 15-49 will be interviewed. A requirement was to reach a minimum of 950 completed interviews per state. In each state, the number of households was distributed proportionately among its urban and rural areas.

The selected households were distributed in 888 clusters in Nigeria, 286 clusters in the urban areas, and 602 clusters in the rural areas.

Under this final allocation, it was expected that each of the 36 designated states and FCT-Abuja would have a minimum of 950 completed women interviews.

Table B.1 Alloca	tion of completed i	nterviews by region	n and state	
	Nigeria bas	ic information		
		women in 2007	Sample	Number of
Region/state	Women	Percentage	size	clusters
North Central		<u> </u>		
Benue	1,052,752	23.3	1,000	24
FCT-Abuja	118,951	2.6	950	23
Kogi	759,298	16.8	1,000	24
Kwara	544,327	12.0	950	23
Niger	841,025	18.6	1,000	24
Nasarawa	439,646	9.7	950	23
Plateau	766,486	16.9	1,000	24
Subtotal	4,522,485	100.0	6,850	165
Northeast				
Adamawa	713,172	16.6	950	23
Bauchi	1,013,754	23.5	1,000	24
Borno	984,658	22.9	1,000	24
Gombe	529,408	12.3	950	23
Taraba	550,753	12.8	950	23
Yobe	514,095	11.9	950	23
Subtotal	4,305,840	100.0	5,800	140
Northwest				
Jigawa	1,085,772	13.2	1,000	24
Kaduna	1,349,397	16.4	1,000	24
Kano	2,095,113	25.4	1,300	32
Katsina	1,384,984	16.8	1,000	24
Kebbi	749,280	9.1	950	23
Sokoto	841,819	10.2	1,000	24
Zamfara	742,227	9.0	950	23
Subtotal	8,248,592	100.0	7,200	174
Southeast				
Abia	654,299	20.9	950	23
Anambra	185,404	5.9	950	23
Ebonyi	535,615	17.1	950	23
Enugu	845,803	27.0	1,000	24
lmo	916,013	29.2	1,000	24
Subtotal	3,137,134	100.0	4,850	117
Southwest				
Ekiti	576,633	8.7	950	23
Lagos	2,143,930	32.4	1,300	32
Ogun	923,242	14.0	1,000	24
Ondo	838,016	12.7	1,000	24
Osun	791,359	12.0	1,000	24
Oyo	1,340,115	20.3	1,000	24
Subtotal	6,613,295	100.0	6,250	151
South South				
Akwa Ibom	864,144	18.0	1,000	24
Bayelsa	404,706	8.4	950	23
Cross River	690,371	14.4	950	23
Delta	937,995	19.6	1,000	24
Edo	746,674	15.6	950	23
Rivers	1,153,249	24.0	1,000	24
Subtotal	4,797,139	100.0	5,850	141
Total	31,624,485		36,800	888

#### **B.6 SAMPLE SELECTION**

The 2008 NDHS sample was selected using a stratified two-stage cluster design consisting of 888 clusters, 286 in the urban and 602 in the rural areas. Once the number of households was allocated to each state, the numbers of clusters (calculated based on an average sample take of 41 completed interviews or about 41 selected households) was calculated by dividing the total sample in the state by the sample take. Finally, all women 15-49 years were interviewed in each cluster, and in half of the selected households about 20 men were interviewed. Before the selection in a state, all EAs were stratified by urban and rural areas. The selection was performed using the following formula:

$$P_{1i} = (a/A)$$

Where.

is the number of clusters to be selected in the given state a:

is the total number of clusters in the given state. A:

In each selected cluster, a complete household listing operation was carried out and households were selected to achieve a fixed sample take per cluster. However, since the 2008 NDHS sample was unbalanced among residence area and state, a final weighing adjustment procedure to provide estimates at every other domain of study was required.

In a given state, if c is the fixed number of households selected out of the total households  $(L_i)$ — found in the 2008 listing process—for the  $i^{th}$  cluster, then the household probability in the selected  $i^{th}$  cluster can be expressed as:

$$P_{2i} = (c/L_i)$$

The final households overall probability in the  $i^{th}$  cluster could be calculated as:

$$f_i = P_{1i} * P_{2i}$$

and the sampling design weight for the  $i^{th}$  cluster is given as:

$$1/f_i = 1/(P_{1i} * P_{2i})$$

#### **B.7** SAMPLE FOR MALE SURVEY

Men age 15-59 were interviewed in every second household selected for the women's interview. According the 2003 NDHS, a total of 2,346 successfully completed male interviews were obtained with a sample of 2,569 selected households. Therefore, it was expected to have about 16,800 successfully completed male interviews in the 2008 NDHS.

Table B.2 Sample implementation: Women

Percent distribution of households and eligible women by results of the household and individual interviews, and household, eligible women and overall response rates, according to urban-rural residence and region, Nigeria 2008

	Res	idence			Zc	one			
			North	North	North	South	South	South	-
Result	Urban	Rural	Central	East	West	East	South	West	Total
Selected households									
Completed (C)	93.9	93.8	93.3	95.1	94.7	86.1	93.9	98.3	93.9
Household present but no									
competent respondent at home									
(HP)	1.0	0.8	1.0	0.3	0.7	2.4	0.8	0.2	0.8
Postponed (P)	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Refused (R)	0.6	0.2	0.4	0.1	0.3	0.7	0.4	0.1	0.3
Dwelling not found (DNF)	0.4	0.4	0.6	0.2	0.3	0.9	0.3	0.0	0.4
Household absent (HA)	2.2	3.0	2.9	1.3	2.4	7.6	2.3	1.1	2.8
Dwelling vacant/address not a									
dwelling (DV)	1.6	1.6	1.4	2.6	1.4	2.2	1.9	0.3	1.6
Dwelling destroy (DD)	0.2	0.2	0.4	0.2	0.2	0.1	0.3	0.0	0.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of sampled households	11,418	24,880	6 <i>,</i> 711	5,738	7,122	4,797	5,737	6,193	36,298
Household response rate (HRR) <sup>1</sup>	97.9	98.6	97.9	99.3	98.5	95.6	98.4	99.7	98.3
Eligible women									
Completed (EWC)	96.5	96.5	96.6	97.5	96.4	94.1	95.5	98.1	96.5
Not at home (EWNH)	1.6	1.8	2.0	1.1	1.3	3.1	2.8	0.9	1.8
Postponed (EWP)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Refused (EWR)	0.8	0.5	0.4	0.4	0.6	1.3	0.8	0.1	0.6
Partly completed (EWPC)	0.2	0.2	0.1	0.1	0.1	0.5	0.3	0.3	0.2
Incapacitated (EWI)	0.4	0.5	0.4	0.4	0.6	0.8	0.4	0.2	0.4
Other (EWO)	0.5	0.5	0.5	0.5	0.9	0.3	0.2	0.3	0.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of women	10,868	23,728	6,592	6,376	7,566	3,898	5,041	5,123	34,596
Eligible women response rate									
(EWRR) <sup>2</sup>	96.5	96.5	96.6	97.5	96.4	94.1	95.5	98.1	96.5
Overall response rate (ORR) <sup>3</sup>	94.5	95.1	94.5	96.8	95.0	89.9	93.9	97.8	94.9

<sup>&</sup>lt;sup>1</sup> Using the number of households falling into specific response categories, the household response rate (HRR) is calculated as:

$$\frac{100 * C}{C + HP + P + R + DNF}$$

ORR = HRR \* EWRR/100

<sup>&</sup>lt;sup>2</sup> Using the number of eligible women falling into specific response categories, the eligible woman response rate (EWRR) is calculated as:

 $<sup>^{\</sup>rm 3}$  The overall response rate (ORR) is calculated as:

## Table B.3 Sample implementation: Men

Percent distribution of households and eligible men by results of the household and individual interviews, and household, eligible men and overall response rates, according to urban-rural residence and region, Nigeria 2008

	Resi	dence			Zo	ne			
			North	North	North	South	South	South	•
Result	Urban	Rural	Central	East	West	East	South	West	Total
Selected households									
Completed (C)	93.7	93.6	93.0	94.7	94.2	86.5	93.5	98.2	93.6
Household present but no									
competent respondent at home									
(HP)	0.9	0.7	1.0	0.5	0.8	1.6	0.8	0.1	0.8
Postponed (P)	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Refused (R)	0.7	0.2	0.4	0.1	0.3	0.6	0.4	0.1	0.3
Dwelling not found (DNF)	0.4	0.4	0.7	0.2	0.3	0.8	0.2	0.0	0.4
Household absent (HA)	2.5	3.2	3.0	1.4	2.8	7.8	2.6	1.2	3.0
Dwelling vacant/address not a									
dwelling (DV)	1.7	1.7	1.4	2.8	1.5	2.5	2.2	0.3	1.7
Dwelling destroy (DD)	0.1	0.2	0.4	0.2	0.1	0.1	0.2	0.0	0.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of sampled households	5,612	12,215	3,301	2,814	3,508	2,353	2,839	3,012	17,827
Household response rate (HRR) <sup>1</sup>	97.9	98.6	97.6	99.1	98.4	96.6	98.5	99.7	98.4
Eligible men									
Completed (EMC)	91.7	93.1	91.2	94.7	92.3	86.5	91.8	97.2	92.6
Not at home (EMNH)	4.1	3.2	4.1	2.3	2.6	8.4	5.0	0.9	3.5
Postponed (EMP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Refused (EMR)	1.0	0.4	0.6	0.3	0.7	1.6	0.6	0.3	0.6
Partly completed (EMPC)	0.3	0.3	0.4	0.1	0.3	0.4	0.3	0.0	0.3
Incapacitated (EMI)	0.3	0.4	0.5	0.5	0.4	0.5	0.3	0.1	0.4
Other (EMO)	2.6	2.6	3.2	2.0	3.7	2.6	2.0	1.5	2.6
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of men	5,597	11,125	3,315	2,887	3,640	1,650	2,592	2,638	16,722
Eligible men response rate									
(EMRR) <sup>2</sup>	91.7	93.1	91.2	94.7	92.3	86.5	91.8	97.2	92.6
Overall response rate (ORR) <sup>3</sup>	89.8	91.8	89.0	93.9	90.8	83.5	90.4	96.9	91.1

<sup>&</sup>lt;sup>1</sup> Using the number of households falling into specific response categories, the household response rate (HRR) is calculated as:

$$100 * EMC$$
 
$$EMC + EMNH + EMP + EMR + EMPC + EMI + EMO$$

ORR = HRR \* EMRR/100

 $<sup>^2</sup>$  Using the number of eligible men falling into specific response categories, the eligible man response rate (EMRR) is calculated as:

 $<sup>^{3}</sup>$  The overall response rate (ORR) is calculated as:

Estimates derived 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 2008 Nigeria DHS (2008 NDHS) 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 2008 NDHS 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 2008 NDHS sample is the result of a multi-stage stratified design, and, consequently, it was necessary to use a more complex formula. The computer software used to calculate sampling errors for the 2008 NDHS uses the Taylor linearisation method of variance estimation for survey estimates that are means or proportions. Another approach, 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:

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

in which

$$z_{hi} = y_{hi} - rx_{hi}$$
, and  $z_h = y_h - rx_h$ 

where h represents the stratum which varies from 1 to H,

 $m_h$  is the total number of clusters selected in the  $h^{th}$  stratum,

 $y_{hi}$  is the sum of the weighted values of variable y in the  $i^{th}$  cluster in the  $h^{th}$  stratum,

is the sum of the weighted number of cases in the  $i^{th}$  cluster 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 formulas. Each replication considers *all but one* cluster in the calculation of the estimates. Pseudo-independent replications are thus created. In the 2008 NDHS, there were 886 non-empty clusters. Hence, 886 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 886 clusters,

 $r_{(i)}$  is the estimate computed from the reduced sample of 886 clusters ( $i^{th}$  cluster excluded), and

k is the total number of clusters.

In addition to the standard error, the design effect (DEFT) for each estimate is also calculated. The design effect 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. Relative errors and confidence limits for the estimates are also computed.

Sampling errors for the 2008 NDHS are calculated for selected variables considered to be of primary interest for the women's and men's samples. The results are presented in this appendix for the country as a whole, for urban and rural areas, and for 6 regions. For each variable, the type of statistic (mean, proportion, or rate) and the base population are given in Table C.1. Tables C.2 to C.10 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±2SE), for the selected variables including fertility and mortality rates. The sampling errors for mortality rates except for the entire country are presented for the 10 years preceding the survey. The DEFT is considered undefined when the standard error considering a 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, as 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 40-49) can be interpreted as follows: the overall average from the national sample is 6.507 and its standard error is 0.057. Therefore, to obtain the 95 percent confidence limits, one adds and subtracts twice the standard error to the sample estimate (i.e.,  $6.507 \pm 2 \times 0.057$ ; in other words between 6.392 and 6.622). There is a high probability (95 percent) that the true average number of children ever born to all women aged 40-49 is between 6.392 and 6.622.

For the women sampling errors and not taking into consideration the estimate for using female sterilisation, the relative standard errors (SE/R) for the means and proportions range between 2 and 8.8 percent, with an average relative standard error of 2.99 percent; the highest relative standard errors are for estimates of very low values (e.g., *currently using IUD—1 percent—has 8.8 percent of relative error*). 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, 1.4 percent. However, for the mortality rates, the average relative standard error for the past five-year period mortality rates is much higher, about 3.2 percent.

There are differentials in the relative standard error for the estimates of women sub-populations. For example, for the variable *want no more children*, the relative standard errors as a percent of the estimated mean for the whole country, urban total area and for the rural total area are 2.1 percent, 3.0 percent and 2.7 percent, respectively.

For the total women sample, the value of the design effect (DEFT) averaged over all variables is 1.86, which means that due to multi-stage clustering of the sample the average standard error is increased by a factor of 1.86 over that in an equivalent simple random sample.

Variable	Estimate	Base population
	WOME	EN
Urban residence	Proportion	All women 15-49
Literate	Proportion	All women 15-49
No education	Proportion	All women 15-49
Secondary education or higher Net attendance ratio for primary school	Proportion Proportion	All women 15-49 All women 15-49
Never married	Proportion	All women 15-49
Currently married/in union	Proportion	All women 15-49
Had first sex before 18	Proportion	All women 20-49
Currently pregnant	Proportion	All women 15-49
Children ever born	Mean	All women 15-49
Children surviving Children ever born to women age 40-49	Mean Mean	All women 15-49 All women 40-49
Knows any contraceptive method	Proportion	Currently married
Ever using contraceptive method	Proportion	Currently married
Currently using any contraceptive method	Proportion	Currently married
Currently using a modern method	Proportion	Currently married
Currently using pill	Proportion	Currently married
Currently using IUD	Proportion	Currently married
Currently using condom Currently using female sterilisation	Proportion Proportion	Currently married Currently married
Currently using female sterilisation Currently using periodic abstinence	Proportion	Currently married  Currently married
Obtained method from public sector source	Proportion	User modern method
Want no more children	Proportion	Currently married
Want to delay birth at least 2 years	Proportion	Currently married
Ideal family size	Mean	All women 15-49
Two or more tetanus injections	Proportion	Births in past 5 years
Neonatal tetanus	Proportion	Births in past 5 years
Mothers received medical assistance at delivery	Proportion	Children under five Children under five
Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS)	Proportion Proportion	Children under five with diarrhoea
Taken to a health provider	Proportion	Children under five with diarrhoea
Vaccination card seen	Proportion	Children 12-23 months
Received BCG	Proportion	Children 12-23 months
Received DPT (3 doses)	Proportion	Children 12-23 months
Received polio (3 doses)	Proportion	Children 12-23 months
Received measles	Proportion	Children 12-23 months
Fully immunised	Proportion	Children Lindon 5 who were massured
Height-for-age (below -2SD) Weight-for-height (below -2SD)	Proportion Proportion	Children Under-5 who were measured Children Under-5 who were measured
Weight-for-age (below -2SD)	Proportion	Children Under-5 who were measured
BMI < 18.5	Proportion	All women 15-49
Has heard of HIV/AIDS	Proportion	All women 15-49
Knows condoms reduce HIV risks	Proportion	All women 15-49
Knows about limiting partners	Proportion	All women 15-49
Has comprehensive knowledge of HIV/AIDS	Proportion	All women 15-49
Higher-risk sex past 12 months among youth Condom use at higher-risk sex among youth	Proportion Proportion	All women 15-24 All women 15-24
Female circumcision	Proportion	All women 15-24 All women 15-49
Total Fertility Rate TFR (3 years)	Rate	All women 15-49
Neonatal mortality (0-4 years)	Rate	Number of births in past 5 (10) years
Post-neonatal mortality (0-4 years)	Rate	Number of births in past 5 (10) years
Infant mortality (0-4 years)	Rate	Number of births in past 5 (10) years
Infant mortality (0-9 years)	Rate	Number of births in past 5 (10) years
Child mortality (0-4 years)	Rate	Number of births in past 5 (10) years
Under-5 morťality (Ó-4 years) Maternal mortality ratio	Rate Rate	Number of births in past 5 (10) years Exposure years in past 6 years
	MEN	
Urban residence	Proportion	All men 15-49
Literate	Proportion	All men 15-49
No education Secondary education or higher	Proportion Proportion	All men 15-49 All men 15-49
Secondary education or nigner Never married	Proportion Proportion	All men 15-49 All men 15-49
Currently married	Proportion	All men 15-49
Had first sex before 18	Proportion	All men 20-49
Knows at least one method	Proportion	Currently married
Know any modern method	Proportion	Currently married
Ever used any method	Proportion	Currently married
Want no more children	Proportion	Currently married
Delay at least two years	Proportion	Currently married
Ideal number of family size	Mean Proportion	All men 15-49
Had heard about HIV/AIDS Knows condoms reduce HIV risks	Proportion Proportion	All men 15-49 All men 15-49
Knows condoms reduce HIV risks Knows about limiting partners	Proportion Proportion	All men 15-49 All men 15-49
Has comprehensive knowledge of HIV/AIDS	Proportion	All men 15-49 All men 15-49
Higher-risk sex past 12 months among youth	Proportion	All men 15-24
Condom use at last higher-risk sex among youth	Proportion	All men 15-24

		Ct. I	Number	of cases		D !		
/ariable	Value (R)	Stand- ard error (SE)	Un- weighted (N)	Weight- ed (WN)	Design effect (DEFT)	Rela- tive error (SE/R)	Confide R-2SE	nce limit R+2S
		WOMEN	1					
Jrban residence	0.357	0.007	33385	33385	2.502	0.018	0.344	0.37
iterate	0.537 0.358	0.009 0.008	33385 33385	33385 33385	3.242 3.208	0.016 0.024	0.519 0.341	0.55 0.37
No education Secondary education or higher	0.336	0.008	33385	33385	3.208	0.024	0.341	0.37
Net attendance ratio for primary school	0.621	0.008	26556	25093	2.101	0.013	0.604	0.63
Never married	0.252 0.706	0.005 0.005	33385 33385	33385 33385	2.045 2.117	0.019 0.007	0.242 0.696	0.26 0.71
Eurrently married/in union Had first sex before 18	0.515	0.003	26794	26892	2.099	0.007	0.503	0.52
Currently pregnant	0.105	0.002	33385	33385	1.266	0.02	0.1	0.10
Children ever born Children surviving	3.055 2.475	0.029 0.021	33385 33385	33385 33385	1.763 1.597	0.01 0.009	2.996 2.433	3.11 2.51
Children ever born to women age 40-49	6.507	0.057	5948	5904	1.449	0.009	6.392	6.62
Knows any contraceptive method	0.684	0.009	23954	23578	3.089	0.014	0.666	0.70
Ever using contraceptive method Currently using any contraceptive method	0.289 0.146	0.007 0.005	23954 23954	23578 23578	2.433 2.044	$0.025 \\ 0.032$	0.275 0.137	0.30 0.15
Eurrently using a modern method	0.097	0.003	23954	23578	1.683	0.033	0.09	0.10
Currently using pill	0.017	0.001	23954	23578	1.245	0.062	0.015	0.01
Currentlý using lUD Currently using condom	0.01 0.024	0.001 0.001	23954 23954	23578 23578	1.348 1.379	$0.088 \\ 0.056$	0.008 0.022	0.01 0.02
Currently using female sterilisation	0.004	0.001	23954	23578	1.524	0.158	0.003	0.00
Currently using periodic abstinence Obtained method from public sector source	0.021 0.233	0.001	23954 2802	23578	1.554 1.388	0.069	0.018 0.211	0.02 $0.25$
Vant no more children	0.233	0.011 0.004	23954	3126 23578	1.593	0.048 0.021	0.211	0.20
Vant to delay birth at least 2 years	0.322	0.005	23954	23578	1.817	0.017	0.311	0.33
deal family size	6.131 0.453	0.047 0.008	29230 18028	28874 17635	$\frac{2.65}{2.227}$	0.008 0.018	6.036 0.436	6.22 0.46
wo or more tetanus injections leonatal tetanus	0.433	0.008	18028	17635	2.277	0.018	0.463	0.49
Nothers received medical assistance at delivery	0.389	0.009	28647	28100	2.374	0.023	0.371	0.40
ad diarrhoea in two weeks before survey reated with oral rehydration salts (ORS)	0.101 0.255	0.004 0.012	25446 2645	24975 2530	1.7 1.331	0.035 0.049	0.094 0.23	0.10
aken to a health provider	0.422	0.012	2645	2530	1.261	0.049	0.395	0.44
accination card seen	0.261	0.009	5022	4945	1.385	0.034	0.244	0.27
eceived BCG eceived DPT (3 doses)	0.497 0.354	0.011 0.011	5022 5022	4945 4945	1.524 1.578	0.022 0.031	0.475 0.333	0.5
eceived polio (3 doses)	0.387	0.01	5022	4945	1.469	0.027	0.366	0.40
eceived measles	0.414	0.011	5022	4945	1.531	0.026	0.393	0.43
ully immunised leight-for-age (below -2SD)	0.227 0.406	0.009 0.006	5022 20633	4945 19896	1.426 1.464	0.038 0.014	0.209 0.395	0.24 0.41
Veight-for-height (below -2SD)	0.139	0.004	20633	19896	1.586	0.031	0.131	0.14
Veight-for-age (below -2SD) MI <18.5	0.231	0.005	20633	19896 28200	1.608	0.023	0.22	0.24 0.12
las heard of HIV/AIDS	0.122 0.882	0.003 0.005	28119 33385	33385	1.533 2.972	0.025 0.006	0.116 0.872	0.12
nows condoms reduce HIV risks	0.53	0.007	33385	33385	2.607	0.013	0.515	0.54
nows about limiting partners Has comprehensive knowledge of HIV/AIDS	0.679 0.234	0.007	33385 33385	33385 33385	2.715	0.01	0.665	0.69 $0.24$
ligher-risk sex past 12 months among youth	0.288	0.006 0.009	7577	7469	2.392 1.785	0.024 0.032	0.223 0.27	0.22
ondom use at higher-risk sex among youth	0.355	0.014	2029	2154	1.357	0.041	0.326	0.38
emale circumcision otal Fertility Rate TFR (3 years)	0.296 5.724	0.01 0.083	33385 NA	33385 93502	4.163 1.9	0.035 0.014	0.275 5.559	0.3° 5.88
leonatal mortality (0-4 years)	39.973	1.501	28799	28248	1.179	0.014	36.971	42.97
ost-neonatal mortality (0-4 years)	35.28	1.292	28855	28300	1.11	0.037	32.697	37.86
nfant mortality (0-4 years) nfant mortality (0-9 years)	75.253 86.837	2.062 1.921	28871 55445	28314 53980	1.199 1.360	$0.027 \\ 0.022$	71.129 82.996	79.37 90.67
Child mortality (0-4 years)	88.173	3.051	29645	29050	1.49	0.035	82.07	94.27
Inder-5 mortality (0-4 years) Naternal mortality ratio	156.791 545.061	3.777 34.999	29733 377463	29130 377463	1.466 NA	0.024 0.064	149.236 475.063	164.34 615.05
laternal mortality ratio		  MEN					4/3.003	
Irban residence	0.378	0.008	13838	13808	1.929	0.021	0.362	0.39
iterate	0.768	0.008	13838	13808	2.11	0.01	0.753	0.78
lo education	0.188	0.007	13838 13838	13808 13808	2.248	0.04	0.173	0.20 0.62
econdary education or higher lever married	0.612 0.474	0.009 0.006	13838	13808	2.105 1.424	0.014 0.013	0.594 0.462	0.62
urrently married	0.508	0.006	13838	13808	1.428	0.012	0.496	0.5
ad first sex before 18	0.235	0.005	11267 7186	11276	1.294	0.022	0.225	0.24
nows at least one method now any modern method	0.897 0.888	0.007 0.007	7186 7186	7018 7018	1.949 1.977	$0.008 \\ 0.008$	0.884 0.873	0.9
ver used any method	0.445	0.009	7186	7018	1.516	0.02	0.427	0.46
Vant no more children	0.116	0.005	7186	7018 7018	1.218 1.336	0.04	0.107	0.12
elay at least two years leal number of family size	0.383 7.206	0.008 0.097	7186 12305	7018 12182	1.336 1.649	0.02 0.013	0.368 7.012	0.39 7
ad heard about HIV/AIDS	0.935	0.004	13838	13808	1.93	0.004	0.927	0.94
nows condoms reduce HIV risks	0.724	0.007	13838	13808	1.868	0.01	0.709	0.73
nows about limiting partners las comprehensive knowledge of HIV/AIDS	0.83 0.363	0.006 0.008	13838 13838	13808 13808	1.873 1.985	$0.007 \\ 0.022$	0.818 0.347	0.84 0.37
ligher-risk sex past 12 months among youth	0.792	0.012	1696	1674	1.248	0.016	0.768	0.8
Condom use at last higher-risk sex among youth	0.494	0.017	1315	1326	1.229	0.034	0.461	0.52

Variable with value cross value control (N) value cross valu			C. I	Number	of cases		D.I.		
Librarie    WOMEN	/ariable		error	weighted	eď	effect	error		
Secondary education or higher	valiable	(K)			(VVIN)	(DLIT)	(3L/K)	N-23L	K+23
No education									
Next attendance ratio for primary school 0.741 0.01 7041 7482 1.538 0.013 0.722 0.032 0.033 0.008 10489 11934 1.714 0.023 0.032 0.032 0.034 0.008 10489 11934 1.714 0.023 0.032 0.034 0.008 10489 11934 1.714 0.023 0.034 0.008 0.008 0.008 0.008 0.008 10489 11934 1.799 0.0014 0.007 0.008 0.0									0.78 0.18
Sever married	Secondary education or higher								0.69
Currently using condom									0.7 0.35
sad first sex before 18									0.63
Lindren surviving Lindren surv	Had first sex before 18	0.359							0.37
hildren surviving hildren surviving with the properties of the pr		0.09 2.426							0.09 2.51
nows any contraceptive method				10489	11934				2.16
ver using contraceptive method									5.8
Currently using any contraceptive method	nows any contraceptive method ver using contraceptive method								0
Currently using a modern method	Currently using any contraceptive method			6586		1.789			0.27
Limently using IUD	Currently using a modern method								0.1
Currently using condom   0.048	Currently using pill Currently using IUD								0.03
currently using female sterilisation	Currently using condom	0.048	0.003	6586	7375	1.305	0.072	0.041	0.05
Ditained method from public sector source   0.215   0.015   1449   1770   1.37   0.069   0.186   0.04   0.04   0.008   6586   7375   1.417   0.03   0.234   0.04   0.008   6586   7375   1.417   0.03   0.234   0.04   0.008   6586   7375   1.417   0.03   0.234   0.04   0.008   0.009   6586   7375   1.612   0.03   0.234   0.009   0.009   0.008   0.009   0.008   0.009   0.008   0.009   0.008   0.009   0.008   0.009   0.008   0.009   0.008   0.009   0.008   0.009   0.008   0.009   0.008   0.009   0.008   0.009   0.00	Currently using female sterilisation								0.00
Vant no more children Vant to delay birth at least 2 years Vant One Vant Vant Vant Vant Vant Vant Vant Vant	Distained method from public sector source								0.04
deal family size wo or more teatnus injections	Vant no more children							0.234	0.26
wo or more tetanus injections									0.32
Neonatal tetanus									5.31 0.69
lad diarrhoea in two weeks before survey									0.73
reated with oral rehydration salts (ORS)	Nothers received medical assistance at delivery								0.68
raken to a health provider									0.0 0.46
Accination card seen   0.388   0.018   1369   1498   1.328   0.046   0.352   0.705									0.55
Received DPT (3 doses)   0.548   0.021   1369   1498   1.492   0.038   0.506   0.0	/accination card seen								0.42
Received polio (3 doses)   0.516   0.019   1369   1498   1.3358   0.037   0.479   0.05									0.75 0.58
Received measles 0.591 0.018 1369 1498 1.345 0.031 0.555 0.018 0.1916 1498 1.345 0.048 0.339 0.01916 14916 1498 1.345 0.048 0.339 0.01916 14916 1498 1.345 0.048 0.339 0.01916 14916 14918 1.345 0.048 0.339 0.01916 14918 1.345 0.048 0.339 0.01918 14918 1.345 0.048 0.339 0.01918 14918 1.345 0.048 0.339 0.01918 14918 1.345 0.048 0.082 14918 149	Received polio (3 doses)								0.55
Height-for-age (below -2SD)	Received measles								0.62
Weight-for-Feight (below -2SD)         0.11         0.007         5894         6365         1.485         0.06         0.096         D.           Weight-for-age (below -2SD)         0.158         0.008         5894         6365         1.536         0.051         0.142         0.           3MI < 18.5									0.41 0.33
Meight-for-age (below -2SD)         0.158         0.008         5894         6365         1.536         0.051         0.142         0.88           3MI < < 18.5         0.091         0.004         9057         10307         1.448         0.048         0.082           Has heard of HIV/AIDS         0.953         0.004         10489         11934         2.091         0.005         0.944         0.005           Knows about climiting partners         0.632         0.011         10489         11934         2.24         0.017         0.611         0.061           Ias comprehensive knowledge of HIV/AIDS         0.332         0.011         10489         11934         2.224         0.013         0.726         0.1           Ias comprehensive knowledge of HIV/AIDS         0.332         0.011         10489         11934         2.127         0.029         0.313         0.01           Ias comprehensive knowledge of HIV/AIDS         0.332         0.011         10489         11934         2.127         0.029         0.313         0.01           Ias comprehensive knowledge of HIV/AIDS         0.332         0.011         10489         11934         2.124         0.048         0.417         0.02           Indiscipation         0.026									0.12
Has heard of HIV/AIDS	Neight-for-age (below -2SD)								0.17
Knows about condoms Knows about limiting partners O.632 O.011 O.745 O.009 O.746 O.74									0.96
Knows about limiting partners         0.745         0.009         10489         11934         2.224         0.013         0.726         0.726         0.14s comprehensive knowledge of HIV/AIDS         0.332         0.01         10489         11934         2.127         0.029         0.313         0.01           Higher-risk sex past 12 months among youth Condom use at higher-risk sex among youth Condom use and an analysis and a page 11934         10.174         10.015         10.025         10.025         10.025         10.025									0.65
Higher-risk sex past 12 months among youth	Knows about limiting partners			10489					0.76
Condom use at higher-risk sex among youth cemale circumcision	Has comprehensive knowledge of HIV/AIDS							0.313	0.35
Cotal fertility rate TFR (3 years)	Condom use at higher-risk sex among youth					1.274			0.50
Child mortality (0-10 years) 58.067 3.962 14328 15669 1.641 0.068 50.143 65. nfant mortality (0-10 years) 67.202 3.062 14214 15555 1.291 0.046 61.079 73. Neonatal mortality (0-10 years) 37.916 2.068 14199 15537 1.155 0.055 33.780 42. Post-neonatal mortality (0-10 years) 29.286 1.933 14210 15551 1.223 0.066 25.420 33. Under-5 mortality (0-10 years) 121.367 5.435 14347 15691 1.623 0.045 110.497 132.    MEN  Titerate 0.909 0.007 4643 5215 1.764 0.008 0.894 0. Neo education 0.075 0.007 4643 5215 1.877 0.097 0.06 0. Neo education or higher 0.783 0.011 4643 5215 1.804 0.014 0.761 0. Never married 0.541 0.01 4643 5215 1.323 0.018 0.522 0. Never married 0.443 0.01 4643 5215 1.341 0.022 0.423 0. Never married 0.443 0.01 4643 5215 1.341 0.022 0.423 0. New at least one method 0.971 0.005 2086 2309 1.446 0.006 0.96 0. Never used any method 0.969 0.006 2086 2309 1.506 0.006 0.957 0. Never used any method 0.637 0.015 2086 2309 1.392 0.023 0.608 0. Never used any method 0.637 0.015 2086 2309 1.132 0.057 0.139 0. Delay at least two years 0.373 0.013 2086 2309 1.132 0.057 0.139 0. Delay at least two years 0.373 0.013 2086 2309 1.131 0.003 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5.674 0.13 4273 4826 1.685 0.023 5.415 0. Never one of family size 5									0.40
nfant mortality (0-10 years)         67.202         3.062         14214         15555         1.291         0.046         61.079         73.           Neonatal mortality (0-10 years)         37.916         2.068         14199         15537         1.155         0.055         33.780         42.           Post-neonatal mortality (0-10 years)         29.286         1.933         14210         15555         1.223         0.066         25.420         33.           Under-5 mortality (0-10 years)         121.367         5.435         14347         15691         1.623         0.045         110.497         132.           MEN           MEN    **MEN  **Test colspan="8">**MEN***  **MEN***  **	lotal fertility rate TFK (3 years)  Child mortality (0-10 years)				33523 15669				4.95 65.90
Neonatal mortality (0-10 years)   37.916   2.068   14199   15537   1.155   0.055   33.780   42.005	nfant mortality (0-10 years)								73.32
MEN	Neonatal mortality (0-10 years)								42.05
MEN  Literate 0.909 0.007 4643 5215 1.764 0.008 0.894 0.700 0.000 0.007 4643 5215 1.877 0.097 0.06 0.700 0.000 0.007 4643 5215 1.877 0.097 0.06 0.700 0.0000 0.000 0.000	ost-neonatal mortality (0-10 years) Inder-5 mortality (0-10 years)								33.15 132.23
iterate	The state of the second	121.307							
Secondary education or higher   0.783   0.011   4643   5215   1.804   0.014   0.761   0.014   0.014   0.014   0.014   0.014   0.014   0.014   0.014   0.014   0.014   0.014   0.014   0.014   0.018   0.014   0.018   0.014   0.019   0.014   0.019   0.014   0.019   0.014   0.019   0.014   0.019   0.014   0.019   0.018   0.019   0.018   0.019   0.018   0.019   0.018   0.019	iterate	0.909		4643	5215	1.764	0.008	0.894	0.92
Never married 0.541 0.01 4643 5215 1.323 0.018 0.522 0.000	No education	0.075	0.007	4643	5215	1.877	0.097	0.06	0.08
Currently married 0.443 0.01 4643 5215 1.341 0.022 0.423 0. dad first sex before 18 0.208 0.008 3817 4312 1.278 0.04 0.191 0.									0.80
Had first sex before 18	Currently married								0.46
Know any modern method         0.969         0.006         2086         2309         1.506         0.006         0.957         Cover used any method           Want no more children         0.637         0.015         2086         2309         1.392         0.023         0.608         0.00           Delay at least two years         0.373         0.013         2086         2309         1.211         0.034         0.348         0.           Delay at least two years         0.373         0.013         2086         2309         1.211         0.034         0.348         0.           Delay at least two years         0.373         0.013         2086         2309         1.211         0.034         0.348         0.           Delay at least two years         0.373         0.013         2086         2309         1.211         0.034         0.348         0.           Delay at least two years         0.373         0.013         2086         2309         1.211         0.034         0.348         0.           Had heard about HIV/AIDS         0.979         0.003         4643         5215         1.431         0.003         0.973         0.           Knows condoms reduce HIV risks         0.777         0.011	Had first sex before 18	0.208	0.008	3817	4312	1.278	0.04	0.191	0.22
iver used any method 0.637 0.015 2086 2309 1.392 0.023 0.608 0.001 0.157 0.009 2086 2309 1.132 0.057 0.139 0.001 0									0.98
Want no more children     0.157     0.009     2086     2309     1.132     0.057     0.139     0. days       Delay at least two years     0.373     0.013     2086     2309     1.211     0.034     0.348     0. days       Delay at least two years     5.674     0.13     2086     2309     1.211     0.034     0.348     0. days       Delay at least two years     5.674     0.13     2086     2309     1.211     0.034     0.348     0. days       Had heard about HIV/AIDS     0.979     0.003     4643     5215     1.431     0.003     0.973     0. days       Chows condoms reduce HIV risks     0.777     0.011     4643     5215     1.793     0.014     0.755     0. days       Chows about limiting partners     0.869     0.009     4643     5215     1.748     0.01     0.852     0. days       Las comprehensive knowledge of HIV/AIDS     0.454     0.014     4643     5215     1.852     0.03     0.427     0. days       Higher-risk sex past 12 months among youth     0.883     0.017     541     619     1.233     0.019     0.849     0.0	ever used any method				2309	1.392			0.66
deal number of family size     5.674     0.13     4273     4826     1.685     0.023     5.415     5.75       Had heard about HIV/AIDS     0.979     0.003     4643     5215     1.431     0.003     0.973     0.75       Knows condoms reduce HIV risks     0.777     0.011     4643     5215     1.793     0.014     0.755     0.755     0.755     0.775     0.011       Knows about limiting partners     0.869     0.009     4643     5215     1.748     0.01     0.852     0.775       Has comprehensive knowledge of HIV/AIDS     0.454     0.014     4643     5215     1.852     0.03     0.427     0.775       Higher-risk sex past 12 months among youth     0.883     0.017     541     619     1.233     0.019     0.849     0.01	Vant no more children	0.157	0.009	2086	2309	1.132	0.057	0.139	0.17
Had heard about HIV/AIDS 0.979 0.003 4643 5215 1.431 0.003 0.973 0.5 (nows condoms reduce HIV risks 0.777 0.011 4643 5215 1.793 0.014 0.755 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.748 0.01 0.852 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.748 0.01 0.852 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.852 0.03 0.427 0.5 (nows prehensive knowledge of HIV/AIDS 0.454 0.014 4643 5215 1.852 0.03 0.427 0.5 (nows past 12 months among youth 0.883 0.017 541 619 1.233 0.019 0.849 0.5 (nows condoms reduce HIV/AIDS 0.849 0.5 (nows condoms reduce HIV/AIDS 0.849 0.5 (nows condoms reduce HIV/AIDS 0.979 0.003 4643 5215 1.431 0.003 0.973 0.5 (nows condoms reduce HIV/AIDS 0.979 0.011 4643 5215 1.793 0.014 0.755 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.793 0.014 0.755 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.793 0.014 0.755 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.793 0.014 0.755 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.793 0.014 0.755 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.793 0.014 0.755 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.852 0.03 0.427 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.852 0.03 0.0427 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.852 0.03 0.0427 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.852 0.03 0.0427 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.852 0.03 0.0427 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.852 0.03 0.0427 0.5 (nows about limiting partners 0.869 0.009 4643 5215 1.852 0.03 0.0427 0.5 (nows about limiting partners 0.869 0.009 0.0									0.39 5.93
Knows condoms reduce HIV risks 0.777 0.011 4643 5215 1.793 0.014 0.755 0. Knows about limiting partners 0.869 0.009 4643 5215 1.748 0.01 0.852 0. Has comprehensive knowledge of HIV/AIDS 0.454 0.014 4643 5215 1.852 0.03 0.427 0. Higher-risk sex past 12 months among youth 0.883 0.017 541 619 1.233 0.019 0.849 0.50	Had heard about HIV/AIDS								0.98
Has comprehensive Knowledge of HIV/AIDS 0.454 0.014 4643 5215 1.852 0.03 0.427 0.436 0.437 0.437 0.437 0.437 0.437 0.437 0.438 0.0427 0.438 0.049 0.438 0.049 0.438 0.049 0.438 0.049 0.438 0.43	Knows condoms reduce HIV risks	0.777	0.011	4643	5215	1.793	0.014	0.755	0.79
digher-risk sex past 12 months among youth     0.883   0.017   541   619   1.233   0.019   0.849   0.	Knows about limiting partners								0.88 0.48
Condom use at last higher-risk sex among youth 0.624 0.026 471 546 1.185 0.042 0.571 0.000 0.571 0.000 0.571 0.000 0.571 0.000 0.571 0.000 0.571 0.000 0.571 0.000 0.571 0.000 0.571 0.000 0.571 0.000 0.571 0.000 0.571 0.000 0.571 0.000 0.000 0.571 0.000	ligher-risk sex past 12 months among vouth								0.48
	Condom use at last higher-risk sex among youth								0.67

icrate:			Cton-J	Number	of cases		Dol-		
icrate:	/ariable		ard error	weighted	eď	effect	tive error		nce limit R+2S
No education   0.465							(02/10)		
No education   0.465	iterate	0.409	0.011	22896	21451	3.435	0.027	0.387	0.43
sket attendance ratio for primary school	No education	0.465	0.011	22896	21451	3.407	0.024	0.442	0.48
Sever married									0.34
Carrently surging another method									0.39
Description   Comment									0.76
Statistical Content   State									0.61
thickner surviving the properties of the propert									0.11
thickner ever born to women age 40-49									2.73
ver using contraceptive method			0.062						7.03
turnently using any contraceptive method         0.094         0.005         17368         16203         2.041         0.048         0.085         0.1           turnently using a modern method         0.065         0.003         17368         16203         1.805         0.052         0.088         0.0           turnently using a modern method         0.004         0.001         17368         16203         1.868         0.098         0.008         0.0           turnently using condon         0.014         0.001         17368         16203         1.286         0.009         0.001         0.001           turnently using condon         0.014         0.001         17368         16203         1.285         0.007         0.001         0.001         0.001         0.001         0.001         0.001         0.001         17368         16203         1.355         0.067         0.007         0.001         1.735         0.007         0.001         1.735         0.064         0.225         0.007         0.001         1.7368         16203         1.909         0.021         0.01         0.001         1.001         0.001         1.002         0.002         0.002         0.002         0.002         0.002         0.002         0.002	nows any contraceptive method								0.6
currently using a modern method         0.065         0.003         17368         16203         1.865         0.098         0.058         0.0           currently using IUD         0.004         0.001         17368         16203         1.483         0.17         0.003         0.0           currently using condom         0.014         0.001         17368         16203         1.715         0.085         0.012         0.0           currently using female sterilisation         0.004         0.001         17368         16203         1.715         0.216         0.002         0.0           bitained method from public sector source         0.257         0.001         13368         1336         1.376         0.064         0.022         0.01           Variant to delay bit pit al cleast 2 years         0.035         0.003         107368         16203         1.715         0.027         0.01         0.002         0.002         0.027         0.01         0.002         0.01         0.01         0.01         0.003         1.70         0.003         1.70         0.002         0.02         0.02         0.02         0.02         0.01         0.02         0.02         0.02         0.03         0.03         0.01         0.02         0.									0.2
urrently using jull         0.01         0.001         17368         f6203         1.268         0.098         0.008         0.0           urrently using condom         0.014         0.001         17368         f6203         1.326         0.085         0.012         0.00           urrently using condom         0.004         0.001         17368         f6203         1.326         0.002         0.0           urrently using periodic abstinence         0.004         0.001         17368         f6203         1.326         0.002         0.0           Vant to delay birth at least 2 years         0.33         0.007         17368         f6203         1.65         0.004         0.027         0.164         0.0           Vant to delay birth at least 2 years         0.33         0.007         17368         f6203         1.65         0.099         6.56         6.6           wo or more tetanus injections         0.357         0.01         13203         12305         2.362         0.029         0.338         0.3           to file and to see the contract of	Turrently using a modern method								0.10
Currently using IUD	Currently using pill								0.01
urrently using lemale sterilisation	Currently using IUD		0.001	17368	16203	1.483	0.17	0.003	0.00
urrently using periodic abstinence         0.014         0.001         17368         16203         1.525         0.09         0.011         0.05           Valuation of more children         0.173         0.005         1335         1356         1.376         0.004         0.225         0.16           Vant no delay bith at least 2 years         0.133         0.007         17368         16203         1.09         0.021         0.316         0.28           leaf family size         6.685         0.063         19730         18089         2.718         0.099         6.56         6.685           wo or more tetanus injections         0.357         0.01         13203         12305         2.407         0.022         0.338         0.3           clonkler secreived medical assistance at delivery         0.277         0.01         13203         12305         2.407         0.027         0.338         0.03           clother secreived medical sasistance at delivery         0.277         0.01         13203         12305         2.407         0.027         0.338         0.03           clother secreived medical sasistance at delivery         0.277         0.01         13203         12305         2.407         0.027         0.338         0.31	furrently using condom								0.01
bhained method from public sector source  0.257	Jurrently using remaie sterilisation								
Vant no more children  1.073	Obtained method from public sector source								0.0
leal family size wor or more tetanus injections 0.357 0.01 13203 12305 2.407 0.027 0.388 0.38 0.39 cenatal tetanus wor or more tetanus injections 0.357 0.01 13203 12305 2.407 0.027 0.358 0.38 0.30 cenatal tetanus or chees received medical assistance at delivery 0.277 0.01 13203 12305 2.407 0.027 0.358 0.38 0.30 cenatal tetanus or chees received medical assistance at delivery 0.277 0.01 12034 19741 2.53 0.036 0.036 0.257 0.25 0.24 did diarhoea in two weeks before survey 0.111 0.004 18466 17284 1.75 0.039 0.102 0.24 cated with oral rehydration salts (ORS) 0.280 0.013 2024 1922 1.311 0.039 0.367 0.43 accination card seen 0.206 0.009 3.653 3.447 1.511 0.039 0.367 0.43 accination card seen 0.206 0.009 3.653 3.447 1.545 0.032 0.377 0.49 ceceived BCG 0.009 3.653 3.447 1.545 0.032 0.377 0.49 ceceived polio (3 doses) 0.27 0.012 3.653 3.447 1.511 0.036 0.307 0.32 ceceived polio (3 doses) 0.337 0.013 3.653 3.447 1.511 0.036 0.307 0.32 ceceived polio (3 doses) 0.337 0.013 3.653 3.447 1.511 0.036 0.307 0.32 ceceived polio (3 doses) 0.337 0.013 3.653 3.447 1.511 0.036 0.307 0.32 cliphiron-ge (below -2SD) 0.45 0.007 14739 13331 1.647 0.038 0.312 0.32 0.377 0.49 cliphiror-height (below -2SD) 0.45 0.007 14739 13331 1.647 0.038 0.142 0.144 0.144 0.145	Vant no more children	0.173							0.18
wo or móre tetanus injections									0.34
leonatal tetanus									
tothers received medical assistance at delivery ladd diarnhoea in two weeks before survey   0.111   0.004   18466   17.284   1.75   0.039   0.102   0.000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.00000   0.00000   0.00000   0.00000   0.000000   0.00000000									0.39
lad diarhoea in two weeks before survey control and diarhoea in two weeks before survey created with oral rehydration salts (ORS)									0.29
aken to a health provider accination card seen	lad diarrhoea in two weeks before survey								0.1
accination card séen cecieved BCG cecieved DPT (3 doses) 0.27 0.012 3653 3447 1.545 0.032 0.37 0.46 cecieved DPT (3 doses) 0.27 0.012 3653 3447 1.594 0.032 0.37 0.46 cecieved DPT (3 doses) 0.27 0.012 3653 3447 1.594 0.036 0.360 0.37 0.38 cecieved policy (3 doses) 0.38 cecieved measles 0.387 0.013 3653 3447 1.511 0.036 0.036 0.037 0.03 cecieved measles 0.137 0.013 3653 3447 1.617 0.038 0.312 0.38 cecieved measles 0.137 0.013 3653 3447 1.416 0.054 0.048 0.142 0.049 0.144 0.054 0.144 0.054 0.144 0.054 0.144 0.054 0.144 0.054 0.144 0.054 0.14739 13531 1.647 0.036 0.142 0.152 0.142 0.153 0.005 14739 13531 1.647 0.036 0.142 0.152 0.142 0.153 0.005 14739 13531 1.647 0.036 0.142 0.152 0.142 0.153 0.005 14739 13531 1.647 0.036 0.142 0.052 0.142 0.064 0.148 0.064 0.187 0.065 0.142 0.07 0.14739 13531 1.647 0.036 0.025 0.025 0.252 0.204 0.141 0.004 19062 14739 13531 1.647 0.036 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.026 0.0454 0.040 0.080 0.090 0.000 0.000 0.000 0.000 0.000 0.000 0.00000 0.000000									
Deceived BCG									0.42
Deceived polio (3 doses)   Carabara   Cara									0.42
teceived measles									0.29
ully immunised									0.35
Height-for-age (below -2SD)									0.30
Veight-for-height (below -2SD)									0.46
MI < 8.5									0.16
Has heard of HIV/AIDS       0.843       0.008       22896       21451       3.216       0.009       0.827       0.86         Knows about condoms       0.473       0.009       22896       21451       2.86       0.02       0.454       0.4         Knows about limiting partners       0.643       0.009       22896       21451       2.986       0.015       0.624       0.6         Has comprehensive knowledge of HIV/AIDS       0.179       0.007       22896       21451       2.986       0.037       0.166       0.1         Higher-risk sex among youth condom use at higher-risk sex among youth cold firm from the partners       0.256       0.017       1211       1166       1.341       0.064       0.231       0.2         Londom use at higher-risk sex among youth cold firm from the partner is sex among youth cold from the partner is sex partner									0.27
(anows about condoms (anows about limiting partners (anows about limiting partners) (anows condedge of HIV/AIDS) (anows condedge of HIV/AI									
Crows about limiting partners									0.49
las comprehensive knowledge of HIV/AIDS   0.179   0.007   22896   21451   2.595   0.037   0.166   0.1   ligher-risk sex past 12 months among youth   0.223   0.01   5559   5219   1.815   0.045   0.203   0.2   condom use at higher-risk sex among youth   0.256   0.017   1211   1166   1.341   0.064   0.231   0.2   condom use at higher-risk sex among youth   0.256   0.013   22896   21451   4.575   0.051   0.23   0.2   colla fertility rate TFR (3 years)   6.282   0.095   na   59980   1.85   0.015   6.092   6.4   child mortality (0-10 years)   105.962   3.581   41752   38911   1.799   0.034   98.801   113.1   friant mortality (0-10 years)   94.730   2.286   41231   38425   1.342   0.024   90.158   99.3   leonatal mortality (0-10 years)   49.108   1.639   41136   38336   1.311   0.033   45.831   52.3   lost-neonatal mortality (0-10 years)   45.622   1.423   41219   38415   1.226   0.031   42.776   48.4   lorder-5 mortality (0-10 years)   190.654   4.270   41859   39010   1.734   0.022   182.114   199.1    MEN   iterate   0.683   0.011   9195   8593   2.293   0.016   0.661   0.7   local deducation   0.257   0.011   9195   8593   2.487   0.023   0.484   0.5   local dever married   0.434   0.008   9195   8593   2.287   0.023   0.484   0.5   local dever married   0.548   0.008   9195   8593   1.469   0.018   0.418   0.4   lurrently married   0.548   0.008   9195   8593   1.463   0.014   0.533   0.5   local dever used any method   0.862   0.01   5100   4709   2.093   0.012   0.827   0.68   local any modern method   0.862   0.01   5100   4709   2.093   0.012   0.827   0.68   local any method   0.351   0.01   5100   4709   1.545   0.029   0.33   0.3   local at least two years   0.387   0.01   5100   4709   1.545   0.029   0.33   0.3   local at least two years   0.387   0.01   5100   4709   1.545   0.029   0.33   0.3   local at least two years   0.387   0.01   5100   4709   1.545   0.029   0.33   0.3   local at least two years   0.387   0.01   5100   4709   1.545   0.029   0.33   0.3   local at least two years   0.366   0.046	nows about limiting partners								0.66
Condom use at higher-risk sex among youth   0.265   0.017   1211   1166   1.341   0.064   0.231   0.2   0.	las comprehensive knowledge of HIV/AIDS								0.19
emale circumcision	ligher-risk sex past 12 months among youth								
otal fertility rate TFR (3 years)         6.282         0.095         na         59980         1.85         0.015         6.092         6.4           child mortality (0-10 years)         105.962         3.581         41752         38911         1.799         0.034         98.801         113.1           nath mortality (0-10 years)         94.730         2.286         41231         38425         1.342         0.024         90.158         99.3           deconatal mortality (0-10 years)         49.108         1.639         41136         38336         1.311         0.033         45.831         52.3           ost-neonatal mortality (0-10 years)         45.622         1.423         41219         38415         1.226         0.031         42.776         48.4           Jorder-5 mortality (0-10 years)         190.654         4.270         41859         39010         1.734         0.022         182.114         199.1           MEN           MEN     Iterate  Occurrently (0-10 years)  Iterate  Occurrently (0-10 years)  Occur	emale circumcision								0.2
nfant mortality (0-10 years)         94,730         2.286         41231         38425         1.342         0.024         90.158         99.3           deonatal mortality (0-10 years)         49.108         1.639         41136         38336         1.311         0.033         45.831         52.3           Jost-neonatal mortality (0-10 years)         45.622         1.423         41219         38415         1.226         0.031         42.776         48.4           Judger-5 mortality (0-10 years)         190.654         4.270         41859         39010         1.734         0.022         182.114         199.1           MEN           MEN    **MEN  **Test colspan="8">MEN  **MEN	otal fertility rate TFR (3 years)								6.4
Neonatal morfality (0-10 years)   49.108   1.639   41136   38336   1.311   0.033   45.831   52.3									113.12
Post-neonatal mortality (0-10 years)	ntant mortality (0-10 years)								
MEN						1.311			
iterate						1.734			199.19
No education 0.257 0.011 9195 8593 2.443 0.043 0.235 0.2 econdary education or higher 0.508 0.012 9195 8593 2.287 0.023 0.484 0.50   Note of the property of t			MEN						
econdary education or higher									0.70
Never main   Nev									
Currently married 0.548 0.008 9195 8593 1.463 0.014 0.533 0.5 dad first sex before 18 0.252 0.007 7450 6964 1.308 0.026 0.239 0.2 (nows at least one method 0.862 0.01 5100 4709 2.067 0.012 0.842 0.8 (now any modern method 0.848 0.011 5100 4709 2.093 0.012 0.827 0.8 (ver used any method 0.351 0.01 5100 4709 1.545 0.029 0.33 0.3 (vant no more children 0.096 0.005 5100 4709 1.545 0.029 0.33 0.3 (vant no more children 0.096 0.005 5100 4709 1.252 0.054 0.085 0.1 (vant no more children 0.387 0.01 5100 4709 1.252 0.054 0.085 0.1 (vant no more children 0.096 0.005 5100 4709 1.252 0.054 0.085 0.1 (vant no more children 0.096 0.005 5100 4709 1.252 0.054 0.085 0.1 (vant no more children 0.096 0.005 5100 4709 1.252 0.054 0.085 0.1 (vant no more children 0.098 0.098 0.006 9195 8593 0.025 0.368 0.4 (vant no more children 0.098 0.098 0.006 9195 8593 2.067 0.007 0.895 0.1 (vant no more children 0.098 0.006 9195 8593 1.968 0.014 0.672 0.1 (vant no more children 0.098 0.006 9195 8593 1.968 0.014 0.672 0.1 (vant no more children 0.098 0.006 9195 8593 1.968 0.014 0.672 0.1 (vant no more children 0.098 0.006 9195 8593 1.968 0.014 0.672 0.1 (vant no more children 0.098 0.006 0.008 9195 8593 1.968 0.014 0.672 0.1 (vant no more children 0.098 0.008 0.014 0.099 0.088 0.014 0.099 0.088 0.014 0.099 0.088 0.014 0.099 0.088 0.014 0.099 0.088 0.014 0.099 0.088 0.014 0.099 0.088 0.014 0.099 0.088 0.014 0.099 0.0									0.53
lad first sex before 18									0.56
now any modern method     0.848     0.011     5100     4709     2.093     0.012     0.827     0.8 ver used any method       ver used any method     0.351     0.01     5100     4709     1.545     0.029     0.33     0.3 ver used any method       Vant no more children     0.096     0.005     5100     4709     1.252     0.054     0.085     0.1 ver used any method       Velay at least two years     0.387     0.01     5100     4709     1.398     0.025     0.368     0.4 ver used any method       Velay at least two years     8.211     0.133     8032     7356     1.662     0.016     7.945     8.4 ver used any method       Velay at least two years     8.211     0.133     8032     7356     1.662     0.016     7.945     8.4 ver used any method       Velay at least two years     8.211     0.133     8032     7356     1.662     0.016     7.945     8.4 ver used any method       Velay at least two years     8.211     0.133     8032     7356     1.662     0.016     7.945     8.4 ver used any method       Velay at least two years     8.211     0.133     8032     7356     1.662     0.016     7.945     8.4 ver used any method       Velay at least two years     8.211     <	lad firsť sex before 18	0.252	0.007	7450	6964	1.308	0.026	0.239	0.20
ver used any method 0.351 0.01 5100 4709 1.545 0.029 0.33 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.	nows at least one method								0.88
Vant no more children 0.096 0.005 5100 4709 1.252 0.054 0.085 0.1 belay at least two years 0.387 0.01 5100 4709 1.398 0.025 0.368 0.4 leal number of family size 8.211 0.133 8032 7356 1.662 0.016 7.945 8.4 lad heard about HIV/AIDS 0.908 0.006 9195 8593 2.067 0.007 0.895 0 nows condoms reduce HIV risks 0.691 0.009 9195 8593 1.968 0.014 0.672 0 nows about limiting partners 0.807 0.008 9195 8593 1.968 0.01 0.791 0.8 las comprehensive knowledge of HIV/AIDS 0.308 0.01 9195 8593 2.115 0.033 0.287 0.3 ligher-risk sex past 12 months among youth 0.739 0.017 1155 1055 1.279 0.022 0.706 0.7	now any modern method verjused any method								
Delay at least two years 0.387 0.01 5100 4709 1.398 0.025 0.368 0.40   Delay at least two years 0.387 0.01 5100 4709 1.398 0.025 0.368 0.40   Delay at least two years 0.387 0.01 5100 4709 1.398 0.025 0.368 0.40   Delay at least two years 0.398 0.01   Delay at least two years 0.398 0.04   Delay at least two years 0.398 0.01   Delay at least two years 0.398 0.01   Delay at least two years 0.398 0.04   Delay at least 0.398 0.04   Delay									0.3
deal number of family size     8.211     0.133     8032     7356     1.662     0.016     7.945     8.4       dad heard about HIV/AIDS     0.908     0.006     9195     8593     2.067     0.007     0.895     0       inows condoms reduce HIV risks     0.691     0.009     9195     8593     1.968     0.014     0.672     0       inows about limiting partners     0.807     0.008     9195     8593     1.978     0.01     0.791     0.8       las comprehensive knowledge of HIV/AIDS     0.308     0.01     9195     8593     2.115     0.033     0.287     0.3       ligher-risk sex past 12 months among youth     0.739     0.017     1155     1055     1.279     0.022     0.706     0.7									0.40
(nows condoms reduce HIV risks 0.691 0.009 9195 8593 1.968 0.014 0.672 0.000 0	deal number of family size	8.211	0.133	8032	7356	1.662	0.016	7.945	8.47
nows about limiting partners 0.807 0.008 9195 8593 1.978 0.01 0.791 0.8 0.8 0.000 0.000 0.791 0.8 0.000 0.000 0.000 0.791 0.8 0.0000									0.9
tas comprehensive knowledge of HIV/AIDS 0.308 0.01 9195 8593 2.115 0.033 0.287 0.3 0.3 0.287 0.3 0.3 0.287 0.3 0.3 0.287 0.3 0.3 0.287 0.3 0.3 0.287 0.3 0.3 0.2 0.706 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	nows about limiting partners								0.7
ligher-risk sex past 12 months among youth 0.739 0.017 1155 1055 1.279 0.022 0.706 0.7	Has comprehensive knowledge of HIV/AIDS					2.115			0.62
Condom use at last higher-risk sex among youth 0.404 0.021 844 780 1.226 0.051 0.363 0.4	ligher-risk sex past 12 months among youth	0.739				1.279			0.7
	Condom use at last higher-risk sex among youth					1.226			0.4

		Crl	Number	of cases		D.I.		
/ariabla	Value	Stand- ard error	Un- weighted	Weight-	Design effect	Rela- tive error	Confide	
/ariable	(R)	(SE)	(N)	(WN)	(DEFT)	(SE/R)	R-2SE	R+2S
		WOMEN	<b>1</b>					
Jrban residence iterate	0.292 0.476	0.013 0.022	6366	4748 4748	2.238 3.54	0.044 0.047	0.266 0.432	0.31 0.52
No education	0.355	0.022	6366 6366	4748 4748	4.158	0.047	0.432	0.32
Secondary education or higher	0.393	0.02	6366	4748	3.296	0.051	0.353	0.43
Net attendance ratio for primary school Never married	0.705 0.25	0.021 0.012	5307 6366	3895 4748	2.681 2.194	0.03 0.048	$0.663 \\ 0.226$	0.74 0.27
Currently married/in union	0.699	0.012	6366	4748	2.285	0.019	0.673	0.72
dad first sex before 18	0.448	0.014	5102	3789	1.979	0.031	0.42	0.47
Lurrently pregnant Children ever born	0.104 2.979	0.005 0.063	6366 6366	4748 4748	1.394 1.732	0.051 0.021	0.093 $2.853$	0.11 3.10
Children surviving	2.516	0.046	6366	4748	1.498	0.021	2.425	2.60
Children ever born to women age 40-49	6.436	0.118	1092	817	1.419	0.018	6.201	6.67
Knows any contraceptive method	0.643	0.029	4441 4441	3320	3.988 2.375	0.045	0.586	0.30
ever using contraceptive method Currently using any contraceptive method	0.264 0.13	0.016 0.01	4441	3320 3320	2.373 1.97	0.06 0.076	0.233 0.11	0.29
Currently using a modern method	0.105	0.008	4441	3320	1.793	0.078	0.089	0.12
Currently using pill	0.014	0.002	4441	3320	1.258	0.156	0.01	0.01
Currently using IUD Currently using condom	0.008 0.019	0.002 0.003	4441 4441	3320 3320	1.168 1.261	0.199 0.135	0.005 0.014	0.01 0.02
Currently using female sterilisation	0.013	0.003	4441	3320	2.016	0.133	0.005	0.01
Currently using periodic abstinence	0.012	0.003	4441	3320	1.542	0.209	0.007	0.01
Obtained method from public sector source	0.381 0.195	0.031 0.011	627 4441	443 3320	1.603 1.826	0.082 0.056	0.319 0.173	0.44 0.21
Vant no more children Vant to delay birth at least 2 years	0.281	0.011	4441	3320	1.535	0.030	0.173	0.2
deal family size	5.746	0.084	5456	4005	2.491	0.015	5.578	5.91
wo or more tetanus injections	0.457	0.023	3350	2525	2.716	0.051	0.41	0.50
Neonatal tetanus Mothers received medical assistance at delivery	0.489 0.427	0.023 0.027	3350 5046	2525 3830	2.713 3.079	$0.048 \\ 0.062$	0.442 0.374	0.53 0.4
Had diarrhoea in two weeks before survey	0.056	0.005	4542	3434	1.395	0.088	0.046	0.06
reated with oral rehydration salts (ORS) '	0.335	0.032	241	193	1.064	0.096	0.271	0
Taken to a health provider /accination card seen	0.443 0.312	0.036 0.025	241 855	193 640	1.105 1.558	0.081 0.08	0.371 0.262	0.51 0.36
Received BCG	0.624	0.023	855	640	1.674	0.045	0.567	0.6
Received DPT (3 doses)	0.434	0.03	855	640	1.77	0.07	0.373	0.49
Received polio (3 doses) Received measles	0.405 0.518	$0.024 \\ 0.028$	855 855	640 640	1.433 1.6	0.06 0.053	0.357 0.462	0.45 0.57
Fully immunised	0.259	0.028	855	640	1.375	0.033	0.402	0.37
Height-for-age (below -2SD)	0.438	0.014	3812	2800	1.592	0.031	0.411	0.46
Weight-for-height (below -2SD)	0.093	0.008	3812	2800	1.638	0.087	0.077	0.10
Weight-for-age (below -2SD) BMI <18.5	0.195 0.085	0.011 0.005	3812 5437	2800 4043	1.587 1.25	0.056 0.056	0.173 0.075	0.21 0.09
Has heard of HIV/AIDS	0.759	0.023	6366	4748	4.323	0.031	0.712	0.80
Knows about condoms	0.483	0.017	6366	4748	2.707	0.035	0.449	0.51
Knows about limiting partners Has comprehensive knowledge of HIV/AIDS	$0.621 \\ 0.22$	0.022 0.014	6366 6366	4748 4748	3.682 2.613	$0.036 \\ 0.062$	0.576 0.193	0.66 0.24
Higher-risk sex past 12 months among youth	0.259	0.023	1244	955	1.833	0.088	0.214	0.30
Condom use at higher-risk sex among youth	0.287	0.031	333	248	1.237	0.107	0.226	0.34
Female circumcision	0.114	0.018	6366	4748	4.387 1.636	0.153	0.079	0.1 5. <i>7</i> 4
otal fertility rate TFR (3 years) Child mortality (0-10 years)	5.411 61.941	0.166 4.569	na 9980	13286 7582	1.530	0.031 0.074	5.08 52.802	71.08
ntant mortality (0-10 years)	77.362	3.884	9898	7515	1.267	0.050	69.595	85.13
Neonatal mortality (0-10 years)	40.547	2.758	9885	7506	1.221	0.068	35.030	46.06
Post-neonatal mortality (0-10 years) Under-5 mortality (0-10 years)	36.816 134.512	2.439 6.140	9894 9997	7512 7594	1.195 1.507	0.066 0.046	31.938 122.232	41.69 146.79
								1 10.7 5
		MEN						
Jrban residence .iterate	0.284 0.756	0.013 0.021	2773 2773	2065 2065	1.518 2.54	0.046 0.027	0.258 0.715	0.3 0.79
No education	0.756	0.021	2773	2065	2.975	0.027	0.713	0.75
Secondary education or higher	0.643	0.021	2773 2773	2065	2.306	0.033	0.601	0.68
Never married	0.48	0.014	2773	2065	1.426	0.028	0.453	0.50
Eurrently married Had first sex before 18	0.504 0.301	0.013 0.015	2773 2205	2065 1629	1.411 1.508	0.027 0.049	0.477 0.272	0.53 0.33
Knows at least one method	0.906	0.017	1401	1040	2.205	0.019	0.872	0.94
Know any modern method	0.895	0.019	1401	1040	2.266	0.021	0.857	0.93
iver used any method Vant no more children	0.413 0.134	0.019 0.012	1401 1401	1040 1040	1.463 1.331	0.047 0.09	0.374 0.11	0.45 0.15
Delay at least two years	0.134	0.012	1401	1040	1.331	0.09	0.356	0.13
deal number of family size	6.514	0.19	2525	1867	1.84	0.029	6.134	6.89
Had heard about HIV/AIDS	0.907	0.014	2773	2065	2.484	0.015	0.879	0.93
Knows condoms reduce HIV risks Knows about limiting partners	0.743 0.805	0.018 0.01 <i>7</i>	2773 2773	2065 2065	2.11 2.286	0.024 0.021	0.708 0.77	0.77 0.83
Has comprehensive knowledge of HIV/AIDS	0.325	0.017	2773	2065	1.958	0.021	0.77	0.63
ias comprehensive knowledge of Firv/AiD3								- • •
Higher-risk sex past 12 months among youth	0.782	0.028	394	313	1.323	0.035	0.726	0.83
Higher-risk sex past 12 months among youth Condom use at last higher-risk sex among youth	0.782 0.368	0.028 0.035	394 309	313 245	1.323 1.263	0.035 0.094	0.726 0.299	0.83 0.43

Urban residence iterate No education Secondary education or higher Net attendance ratio for primary school Never married Currently married/in union Had first sex before 18 Currently pregnant Children ever born Children ever born Children ever born to women age 40-49 Knows any contraceptive method Currently using any contraceptive method Currently using any contraceptive method Currently using ill Currently using lill Currently using female sterilisation Currently using female sterilisation Currently using periodic abstinence Dobtained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received BCG Received DPT (3 doses) Received measles	Value (R)  0.263 0.228 0.681 0.165 0.437 0.124 0.841 0.734 0.126 3.936 2.977 7.475 0.586	Stand- ard error (SE)  WOMEN  0.012 0.021 0.023 0.017 0.028 0.012 0.013 0.014 0.005	6217 6217 6217 6217 6217 5547 6217	Weight-ed (WN)  4262 4262 4262 4262 3779	Design effect (DEFT)  2.091 3.979 3.96 3.651	Relative error (SE/R)  0.044 0.093	Confide R-2SE	nce limits R+2SI
Urban residence iterate No education Secondary education or higher Net attendance ratio for primary school Never married Currently married/in union Had first sex before 18 Currently pregnant Children ever born Children ever born Children ever born to women age 40-49 Knows any contraceptive method Eurrently using any contraceptive method Currently using a modern method Currently using gill Currently using gill Currently using gondom Currently using female sterilisation Currently using female sterilisation Currently using periodic abstinence Dotained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received DPT (3 doses) Received DPT (3 doses) Received polio (3 doses)	0.263 0.228 0.681 0.165 0.437 0.124 0.841 0.734 0.126 3.936 2.977 7.475 0.586	0.012 0.021 0.023 0.017 0.028 0.012 0.013 0.014 0.005	6217 6217 6217 6217 6217 5547 6217 6217	4262 4262 4262 4262 4262 3779	2.091 3.979 3.96	0.044 0.093		
Literate No education Secondary education or higher Secondary education or higher Secondary education or higher Secondary education or primary school Never married Currently married/in union Had first sex before 18 Currently pregnant Children ever born Children surviving Children ever born to women age 40-49 Knows any contraceptive method Currently using any contraceptive method Currently using any contraceptive method Currently using gill Currently using lUD Currently using lUD Currently using female sterilisation Currently using periodic abstinence Dotained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received DPT (3 doses) Received DPT (3 doses) Received DPT (3 doses) Received polio (3 doses)	0.228 0.681 0.165 0.437 0.124 0.841 0.734 0.126 3.936 2.977 7.475 0.586	0.021 0.023 0.017 0.028 0.012 0.013 0.014 0.005	6217 6217 6217 5547 6217 6217	4262 4262 4262 3779	3.979 3.96	0.093	ი 239	
Literate No education Secondary education or higher Secondary education or higher Secondary education or higher Secondary education or primary school Never married Currently married/in union Had first sex before 18 Currently pregnant Children ever born Children surviving Children ever born to women age 40-49 Knows any contraceptive method Currently using any contraceptive method Currently using any contraceptive method Currently using gill Currently using lUD Currently using lUD Currently using female sterilisation Currently using periodic abstinence Dotained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received DPT (3 doses) Received DPT (3 doses) Received DPT (3 doses) Received polio (3 doses)	0.228 0.681 0.165 0.437 0.124 0.841 0.734 0.126 3.936 2.977 7.475 0.586	0.021 0.023 0.017 0.028 0.012 0.013 0.014 0.005	6217 6217 6217 5547 6217 6217	4262 4262 4262 3779	3.979 3.96	0.093		0.28
Secondary education or higher Net attendance ratio for primary school Never married Currently married/in union Had first sex before 18 Currently pregnant Children ever born Children surviving Children ever born to women age 40-49 Knows any contraceptive method Currently using any contraceptive method Currently using a modern method Currently using a modern method Currently using lUD Currently using female sterilisation Currently using female sterilisation Currently using periodic abstinence Obtained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.165 0.437 0.124 0.841 0.734 0.126 3.936 2.977 7.475 0.586	0.017 0.028 0.012 0.013 0.014 0.005	6217 5547 6217 6217	4262 3779			0.186	0.2
Net attendance ratio for primary school Never married Currently married/in union Had first sex before 18 Currently pregnant Children ever born Children ever born to women age 40-49 Knows any contraceptive method Ever using contraceptive method Currently using any contraceptive method Currently using a modern method Currently using BID Currently using ID Currently using female sterilisation Currently using female sterilisation Currently using female sterilisation Currently using beriodic abstinence Dotained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.437 0.124 0.841 0.734 0.126 3.936 2.977 7.475 0.586	0.028 0.012 0.013 0.014 0.005	5547 6217 6217	3779		0.034 0.104	0.634 0.13	0.72 0.19
Currently married/in union Had first sex before 18 Currently pregnant Children ever born Children surviving Children ever born to women age 40-49 Knows any contraceptive method Ever using contraceptive method Currently using any contraceptive method Currently using any contraceptive method Currently using gill Currently using pill Currently using gill Currently using female sterilisation Currently using female sterilisation Currently using periodic abstinence Dottained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received DPT (3 doses) Received DPT (3 doses) Received polio (3 doses)	0.841 0.734 0.126 3.936 2.977 7.475 0.586	0.013 0.014 0.005	6217		2.959	0.064	0.381	0.49
Had first sex before 18 Currently pregnant Children ever born Children ever born Children ever born to women age 40-49 Knows any contraceptive method Currently using any contraceptive method Currently using a modern method Currently using bill Currently using lUD Currently using lUD Currently using female sterilisation Currently using female sterilisation Currently using female sterilisation Currently using beriodic abstinence Obtained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.734 0.126 3.936 2.977 7.475 0.586	0.014 0.005		4262 4262	2.883 2.859	0.097 0.016	0.1 0.815	0.14 0.86
Children ever born Children surviving Children surviving Children ever born to women age 40-49 Knows any contraceptive method Currently using any contraceptive method Currently using any contraceptive method Currently using a modern method Currently using pill Currently using lUD Currently using condom Currently using female sterilisation Currently using periodic abstinence Dotained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received BCT Received DPT (3 doses) Received DPT (3 doses) Received polio (3 doses)	3.936 2.977 7.475 0.586		4961	3406	2.303	0.02	0.705	0.76
Children surviving Children surviving Children ever born to women age 40-49 Knows any contraceptive method Currently using any contraceptive method Currently using a modern method Currently using ill Currently using lUD Currently using female sterilisation Currently using female sterilisation Currently using female sterilisation Currently using female sterilisation Currently using beriodic abstinence Obtained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	2.977 7.475 0.586		6217	4262	1.129	0.038	0.117	0.13
Children ever born to women age 40-49 Knows any contraceptive method Eurrently using any contraceptive method Eurrently using any contraceptive method Eurrently using a modern method Eurrently using ill Eurrently using lUD Eurrently using condom Eurrently using female sterilisation Eurrently using periodic abstinence Dottained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Nothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	7.475 0.586	0.077 0.051	6217 6217	4262 4262	1.801 1.59	0.019 0.01 <i>7</i>	3.783 2.875	4.0 3.07
Ever using contraceptive method Currently using any contraceptive method Currently using a modern method Currently using pill Currently using lUD Currently using condom Currently using female sterilisation Currently using periodic abstinence Distained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Fivo or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Freated with oral rehydration salts (ORS) Faken to a health provider Jaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)		0.132	1113	769	1.315	0.018	7.211	7.7
Currently using any contraceptive method Currently using a modern method Currently using pill Currently using lUD Currently using female sterilisation Currently using female sterilisation Currently using periodic abstinence Dotained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.104	0.021 0.008	5147 5147	3585 3585	3.094 1.802	0.036 0.074	0.544 0.089	0.62 0.1
Eurrently using a modern method Eurrently using pill Eurrently using lUD Eurrently using condom Eurrently using female sterilisation Eurrently using periodic abstinence Dotained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.04	0.004	5147	3585	1.56	0.106	0.032	0.04
Eurrently using IUD Eurrently using condom Eurrently using female sterilisation Eurrently using periodic abstinence Dbtained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Fivo or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Freated with oral rehydration salts (ORS) Faken to a health provider Faccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.035 0.006	0.004 0.001	5147 5147	3585 3585	1.656 1.295	0.122 0.241	0.026 0.003	0.04 0.00
Lurrently using condom Currently using female sterilisation Currently using female sterilisation Currently using periodic abstinence Dbtained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Jaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.000	0.001	5147	3585	0.813	0.579	0.003	0.00
Eurrently using periodic abstinence Dotained method from public sector source Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Jaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.002	0.001	5147	3585	1.326	0.397	0 001	0.00
Want no more children Want to delay birth at least 2 years deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Vaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.002 0.001	0.001 0.001	5147 5147	3585 3585	1.157 1.124	0.338 0.426	0.001 0	0.00
Want to delay birth at least 2 years deal family size fwo or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey freated with oral rehydration salts (ORS) faken to a health provider Jaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.454	0.058	152	94	1.435	0.128	0.338	0.5
deal family size Two or more tetanus injections Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Treated with oral rehydration salts (ORS) Taken to a health provider Jaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.134 0.35	0.007 0.013	5147 5147	3585 3585	1.537 1.991	0.054 0.038	0.12 0.323	0.14 0.37
Neonatal tetanus Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Freated with oral rehydration salts (ORS) Faken to a health provider Faccived BCG Received DPT (3 doses) Received polio (3 doses)	8.137	0.113	5623	3848	2.425	0.014	7.91	8.36
Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey Freated with oral rehydration salts (ORS) Faken to a health provider Jaccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.287	0.019	3972	2751	2.61	0.065	0.25	0.32
Had diarrhoea in two weeks before survey Freated with oral rehydration salts (ORS) Faken to a health provider Faccination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.3 0.155	0.019 0.014	3972 6559	2751 4575	2.66 2.577	$0.064 \\ 0.092$	0.262 0.126	0.33 0.18
Faken to a health provider /accination card seen Received BCC Received DPT (3 doses) Received polio (3 doses)	0.208	0.011	5737	3989	1.843	0.052	0.187	0.2
/accination card seen Received BCG Received DPT (3 doses) Received polio (3 doses)	0.176 0.359	0.02 0.021	1103 1103	831 831	1.613 1.375	0.114 0.059	0.136 0.31 <i>7</i>	0.21 0.40
Received DPT (3 doses) Received polio (3 doses)	0.151	0.016	1129	780	1.5	0.107	0.118	0.18
Received polio (3 doses)	0.272 0.124	0.024 0.017	1129 1129	780 780	1.828 1.725	0.089 0.137	0.223 0.09	0.3 0.15
	0.124	0.017	1129	780 780	1.723	0.137	0.242	0.13
	0.248	0.02	1129	780	1.574	0.082	0.208	0.28
Fully immunised Height-for-age (below -2SD)	0.076 0.486	0.012 0.013	1129 4529	780 3097	1.531 1.66	0.16 0.027	0.052 0.46	0.10 0.51
Neight-for-height (below -2SD)	0.222	0.015	4529 4529	3097	2.226	0.069	0.191	0.25
Neight-for-age (below -2SD) BMI <18.5	0.345 0.207	0.016 0.012	4529 5046	3097 3456	2.035 2.029	0.045 0.056	0.313 0.184	0.37 0.2
Has heard of HIV/AIDS	0.814	0.012	6217	4262	3.011	0.018	0.784	0.84
Knows about condoms	0.386	0.02	6217	4262 4262	3.281	0.052	0.345	0.42
Knows about limiting partners Has comprehensive knowledge of HIV/AIDS	0.623 0.144	0.021 0.012	6217 6217	4262	3.426 2.617	0.034 0.081	0.581 0.121	0.66 0.16
Higher-risk sex past 12 months among youth	0.078	0.015	1669	1166	2.25	0.19	0.048	0.10
Condom use at higher-risk sex among youth Female circumcision	0.192 0.027	0.046 0.01	164 6217	91 4262	1.477 5.013	0.237 0.381	0.101 0.006	0.28 0.04
Total fertility rate TFR (3 years)	7.16	0.157	na	11919	1.589	0.022	6.846	7.47
	126.352 109.483	5.497 4.851	13125 12901	9189 9027	1.550 1.495	0.044 0.044	115.358 99.781	137.34 119.18
Neonatal mortality (0-10 years)	53.182	2.744	12869	9005	1.193	0.052	47.693	58.67
Post-neonatal mortality (0-10 years) Under-5 mortality (0-10 years)	56.301 222.002	3.485 6.896	12896 13162	9023 9215	1.526 1.561	0.062 0.031	49.331 208.209	63.27 235.79
- Inortainty (0-10 years)		  MEN	13102					
Jrban residence	0.289	0.016	2444	1645	1.716	0.054	0.258	0.32
iterate No education	0.538	$0.025 \\ 0.028$	2444	1645 1645	2.513	0.047	0.488 0.394	0.58 0.50
Secondary education or higher	$0.45 \\ 0.357$	0.028	2444 2444	1645	2.772 2.771	0.062 0.075	0.394	0.50
Never married	0.37	0.018	2444	1645	1.794	0.047	0.335	0.40
Currently married Had first sex before 18	0.61 0.191	0.017 0.012	2444 2038	1645 1369	1.736 1.435	$0.028 \\ 0.066$	0.575 0.166	0.64 0.21
Knows at least one method	0.812	0.026	1476	1002	2.541	0.032	0.76	0.86
Know any modern method Ever used any method	0.801 0.162	0.027 0.015	1476 1476	1002 1002	2.578 1.562	0.034 0.093	0.747 0.132	0.85 0.19
Nant no more children	0.038	0.006	1476	1002	1.219	0.159	0.026	0.05
Delay at least two years	0.367	0.02	1476	1002	1.627	0.056	0.327	0.40
deal number of family size Had heard about HIV/AIDS	12.114 0.878	0.389 0.018	2154 2444	1429 1645	1.763 2.771	0.032 0.021	11.335 0.842	12.89 0.91
Knows condoms reduce HIV risks	0.717	0.02	2444	1645	2.164	0.027	0.678	0.75
Knows about limiting partners Has comprehensive knowledge of HIV/AIDS	0.821 0.324	0.022 0.021	2444 2444	1645 1645	2.9	0.027 0.063	0.776 0.283	$0.86 \\ 0.36$
Higher-risk sex past 12 months among youth	0.471	0.052	251	1645	2.169			0.36
Higher-risk sex past 12 montñs among youth Condom use at last higher-risk sex among youth	0.242	0.045	132	100	1.64	0.11	0.368	0.57 0.33

Arainable with the property of			Cul	Number	of cases		D.I.		
WOMEN	/ariable		error	weighted	eď	effect	error		
iterate						(==::/	(==,1++,		
So education									0.22
econclary education or higher  of the statendance ratio for primary school  of wat attendance ratio for primary school  of wat			0.022	7297 7207		4.529			0.25
sket attendiance ratio for primary school sever married in union 0.896 0.009 7297 8022 2.39 0.012 0.059 0.059 1.000 0.078 0.009 7297 8022 2.3000 0.050 0.059 0.059 1.000 0.000 7297 8022 3.000 0.050 0.059 0.059 1.000 0.000 7297 8022 1.300 0.012 0.057 0.059 1.000 0.000 7297 8022 1.300 0.012 0.057 0.059 1.000 0.000 7297 8022 1.526 0.015 0.015 1.000 0.000 7297 8022 1.526 0.015 0.015 1.000 0.000 7297 8022 1.526 0.015 0.015 1.000 0.000 7297 8022 1.526 0.015 0.015 1.000 0.000 7297 8022 1.526 0.015 0.015 1.000 0.000 0.000 7297 8022 1.526 0.015 0.011 1.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00				7297					0.78
Carrently using condorn	Net attendance ratio for primary school			6882		2.482			0.47
stadifiefs sex before 18				/29/ 7297		3.009			
	lad firsť sex before 18	0.762	0.014	6052	6643	2.52	0.018	0.734	0.78
hildren surviving hildren surviving 30.25 0.042 7.297 8022 1.444 0.014 2.9491 3.11 hildren ever born to women age 40-49 7.707 0.112 1.134 1574 1.309 0.014 7.484 7.5	Currently pregnant			7297					
hildren ever born to women age 40-49	Children surviving	3.025		7297 7297				2.941	
ver using contraceptive method	Children ever born to women age 40-49	7.707	0.112	1434	1574	1.309	0.014	7.484	7.9
Description   Comment									
currently using a modern method         0.025         0.004         6596         7189         2.001         0.15         0.017         0.02           Lurrently using DID         0.006         0.001         6596         7189         1.228         0.195         0.004         0.00           Lurrently using DID         0.002         0.001         6596         7189         1.488         0.375         0.001         0.00           Lurrently using beriodic abstinence         0.001         0.6596         7189         1.618         0.449         0.00           Datained method from public sector source         0.531         0.046         6596         7189         1.501         0.457         0         0.00           Vant no more children         0.101         0.007         6596         7189         1.180         0.068         0.138         0.34           Vant no delay birth at least 2 years         0.343         0.012         6596         7189         1.180         0.088         0.01           Vant no delay birth at least 2 years         0.343         0.012         6596         7189         1.213         0.036         0.181         0.32           Vall to Eleas in the contract of	Currently using any contraceptive method								0.03
urrently using female sterilisation	Eurrently using a modern method								0.03
urrently using female sterilisation 0.001 0 6596 7189 0.994 0.455 0 0.00 0.00 0.00 6596 7189 0.994 0.455 0 0.00 0.00 0.00 6596 7189 0.00 0.44 0.00 0.00 0.00 0.00 6596 7189 0.00 0.44 0.00 0.00 0.00 0.00 6596 7189 1.00 0.44 0.00 0.00 0.00 0.00 0.00 0.00	Eurrently using pill Eurrently using IUD						0.195 0.375		
Lurrently using female sterilisation	Eurrently using condom	0.001	0	6596	7189	0.994	0.455	0	0.00
Vant no more children Vant to delay birth at least 2 years  0.343 0.012 0.596 0.789 0.189 0.1307 0.006 0.008 0.318 0.31 0.33 0.33 0.34 0.012 0.596 0.789 0.189 0.1307 0.036 0.318 0.33 0.33 0.34 0.31 0.31 0.31 0.31 0.31 0.31 0.31 0.31	Currently using female sterilisation								
Vant no more children Vant to delay birth at least 2 years  0.343 0.012 0.596 0.789 0.189 0.1307 0.006 0.008 0.318 0.31 0.33 0.33 0.34 0.012 0.596 0.789 0.189 0.1307 0.036 0.318 0.33 0.33 0.34 0.31 0.31 0.31 0.31 0.31 0.31 0.31 0.31	Durrently using periodic abstinence  Obtained method from public sector source								
deal family size   7,99	Vant no more children	0.101	0.007	6596	7189	1.802	0.066	0.088	0.11
wo or móre tetanus injections (a) 2.01									
Neonatal tetanus									
lad diarrhoea in two weeks before survey	Neonatal tetanus	0.201	0.015	4888	5372	2.665	0.076	0.17	0.23
reated with oral rehydration salts (ORS)	Nothers received medical assistance at delivery			7947 6899					
aken to a health provider (accination card seen (accination card s	reated with oral rehydration salts (ORS)	0.252						0.209	0.29
Received BCG				862					0.43
teceived DPT (3 doses)									
Received measles	Received DPT (3 doses)	0.091	0.015	1409	1545	1.861	0.16	0.062	0.1
ully immunised									
Height-for-age (below -2SD)	ully immunised								
Vegint-for-age (below -2SD)	Height-for-age (below -2SD)								0.54
MI < 18.5	Veight-for-neight (below -2SD) Veight-for-age (below -2SD)								
Knows about condoms (nows about limiting partners         0.464 (nows about limiting partners         0.462 (nows about limiting partners         0.014 (nows about limiting partners         0.062 (nows about limiting partners         0.014 (nows about limiting partners         0.020 (nows about limiting partners         0.020 (nows about limiting partners         0.022 (nows about limiting partners         0.023 (nows about limiting partners         0.024 (nows about limiting partners         0.024 (nows about limiting partners         0.023 (nows about limiting partners         0.024 (nows about limiting partners         0.023 (nows about limiting partners         0.023 (nows about limiting partners         0.023 (nows about limiting partners         0.024 (nows about limiting partners         0.024 (nows about limiting partners         0.024 (nows about limiting partners         0.025 (nows about limiting partners         0.027 (nows about limiting partners         0.021 (nows about limiting partners         0.027 (nows about limiting partners         0.027 (nows about limiting partners         0.027 (nows about limiting partners         0.021 (nows about limiting partners	BMI < 18.5								0.20
Chows about limiting partners Also comprehensive knowledge of HIV/AIDS O.207 O.013 T.297 O.013 T.297 O.022 O.063 O.014 T.297 O.063 O.062 O.014 T.297 O.063 O.063 O.064 O.006 O.006 O.006 O.009 O.007 O.007 O.007 O.008 O.008 O.008 O.008 O.008 O.008 O.008 O.009 O.008 O.009 O									
tigher-risk sex past 12 months among youth	Snows about condoms Snows about limiting partners								
Condom use at higher-risk sex among youth   0.231   0.098   29   36   1.236   0.426   0.034   0.034	Has comprehensive knowledge of HIV/AIDS	0.207	0.013	7297	8022	2.742	0.063	0.181	0.23
Pemale circumcision	digher-risk sex past 12 months among youth								
Total fertility rate TFR (3 years)  7.297 0.155 na 22693 1.659 0.021 6.986 7.60 child mortality (0-10 years)  139.023 5.878 15844 17462 1.576 0.042 127.266 150.75 nath mortality (0-10 years)  91.123 3.759 15595 17179 1.410 0.041 83.605 98.64 seonatal mortality (0-10 years)  46.753 2.772 15559 17139 1.437 0.059 41.209 52.25 nath mortality (0-10 years)  44.370 2.088 15590 17175 1.121 0.047 40.195 48.54 nath mortality (0-10 years)  MEN     Drban residence	emale circumcision	0.196			8022	6.551	0.155	0.034	0.25
MEN   Secondary education or higher   0.407   0.024   2930   3237   1.754   0.056   0.223   0.27   0.276   0.276   0.076   0.025   0.276   0.076   0	otal fertility rate TFR (3 years)	7.297	0.155	na	22693	1.659	0.021	6.986	7.60
None	Linia mortality (0-10 years)				1/462 17179				
Ost-neonatal mortality (0-10 years)	Neonatal mortality (0-10 years)	46.753	2.772	15559	17139	1.437	0.059	41.209	52.29
MEN           Orban residence         0.251         0.014         2930         3237         1.754         0.056         0.223         0.27           iterate         0.606         0.022         2930         3237         2.468         0.037         0.561         0.6           No education         0.407         0.024         2930         3237         2.653         0.059         0.359         0.45           Never married         0.376         0.025         2930         3237         1.612         0.038         0.353         0.42           Currently married         0.603         0.015         2930         3237         1.633         0.025         0.573         0.63           4ad first sex before 18         0.097         0.007         2449         2691         1.1         0.068         0.084         0.11           4 (nows at least one method         0.823         0.018         1805         1951         2.018         0.022         0.787         0.84           4 (ver used any method         0.136         0.015         1805         1951         2.018         0.022         0.77         0.84           5 (ver used any method         0.136         0.015         1805	Post-neonatal mortality (0-10 years)	44.370		15590		1.121			48.54
Drban residence	onder-5 mortality (0-10 years)	217.470						202.904	231.93
iterate 0.606 0.022 2930 3237 2.468 0.037 0.561 0.60	Jrban residence	0.251	0.014	2930	3237	1.754	0.056	0.223	0.27
lecondary education or higher 0.376 0.025 2930 3237 2.809 0.067 0.325 0.42   lever married 0.382 0.014 2930 3237 1.612 0.038 0.353 0.42   lurrently married 0.603 0.015 2930 3237 1.612 0.038 0.353 0.42   lad first sex before 18 0.097 0.007 2449 2691 1.1 0.068 0.084 0.11   line first sex before 18 0.097 0.007 2449 2691 1.1 0.068 0.084 0.11   line first sex before 18 0.097 0.007 2449 2691 1.1 0.068 0.084 0.11   line first sex before 18 0.097 0.007 2449 2691 1.1 0.068 0.084 0.11   line first sex before 18 0.097 0.007 2449 2691 1.1 0.068 0.084 0.11   line first sex before 18 0.097 0.007 2449 2691 1.1 0.068 0.084 0.11   line first sex before 18 0.097 0.007 2449 2691 1.1 0.068 0.084 0.11   line first sex before 18 0.097 0.007 2449 2691 1.1 0.068 0.084 0.11   line first sex before 18 0.022 0.787 0.80   line first sex before 18 0.022 0.787 0.80   line first sex before 18 0.022 0.084 0.11   line first sex before 18 0.022 0.084 0.11   line first sex before 18 0.022 0.084 0.11   line first sex before 18 0.084 0.12   line first sex before 18 0.087 0.82   line first sex before 18 0.087 0.82   line first sex before 18 0.087 0.008 0.01   line first sex before 18 0.087 0.084 0.01   line first sex before 18 0.087 0.085 0.084 0.01   line first sex before 18 0.087 0.085 0.085 0.085 0.085 0  line first sex before 18 0.087 0.085 0.085 0.085 0.085 0.085 0  line first sex before 18 0.087 0.085 0.085 0.085 0.085 0  line first sex before 18 0.087 0.085 0.085 0.085 0  line first sex before 18 0.085 0.015 0.085 0.085 0  line first sex before 18 0.085 0.015 0.085 0.085 0  line first sex before 18 0.085 0.015 0.085 0  line first sex before 18 0.085 0.015 0.085 0  line first sex before 18 0.085 0.015 0  line first sex before 18 0.085 0.015	iterate	0.606	0.022	2930	3237	2.468	0.037	0.561	0.6
Never married   0.382   0.014   2930   3237   1.612   0.038   0.353   0.45	NO EQUICATION Secondary education or higher			2930 2930	323/ 3237	2.653 2.809		0.359 0.325	0.45 0.42
Currently married 0.603 0.015 2930 3237 1.633 0.025 0.573 0.63 dad first sex before 18 0.097 0.007 2449 2691 1.1 0.068 0.084 0.71 (nows at least one method 0.823 0.018 1805 1951 2.018 0.022 0.787 0.84 (now any modern method 0.808 0.019 1805 1951 2.064 0.024 0.77 0.84 (now any modern method 0.136 0.015 1805 1951 1.819 0.108 0.107 0.164 (now any modern method 0.136 0.015 1805 1951 1.819 0.108 0.107 0.164 (now any modern method 0.136 0.015 1805 1951 1.819 0.108 0.107 0.165 (now any modern method 0.136 0.015 1805 1951 1.819 0.108 0.107 0.165 (now any method 0.136 0.015 1805 1951 1.819 0.108 0.107 0.165 (now and the modern of family size 0.43 0.017 1805 1951 1.462 0.042 0.37 0.435 (now a condoms reduce HIV/AIDS 0.909 0.01 2930 3237 1.839 0.011 0.889 0.925 (nows condoms reduce HIV risks 0.655 0.021 2930 3237 1.839 0.011 0.889 0.925 (nows about limiting partners 0.803 0.014 2930 3237 1.845 0.017 0.776 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting partners 0.803 0.014 2930 3237 2.55 0.059 0.333 0.835 (now about limiting pa	Never married	0.382	0.014	2930	3237	1.612	0.038	0.353	0.4
(nows at least one method 0.823 0.018 1805 1951 2.018 0.022 0.787 0.82 (now any modern method 0.808 0.019 1805 1951 2.064 0.024 0.77 0.84 (now any modern method 0.136 0.015 1805 1951 2.064 0.024 0.77 0.84 (now any modern method 0.136 0.015 1805 1951 1.819 0.108 0.107 0.146 (Nath no more children 0.015 0.004 1805 1951 1.295 0.245 0.008 0.02 (Nath no more children 0.015 0.004 1805 1951 1.295 0.245 0.008 0.02 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.017 1805 1951 1.462 0.042 0.37 0.436 (Nath no more children 0.403 0.436 (Nath no more children 0.403 0.436 (N	Currently married			2930	3237				0.63
Know any modern method         0.808         0.019         1805         1951         2.064         0.024         0.77         0.84           ver used any method         0.136         0.015         1805         1951         1.819         0.108         0.107         0.16           Vant no more children         0.015         0.004         1805         1951         1.295         0.245         0.008         0.02           Jelay at least two years         0.403         0.017         1805         1951         1.462         0.042         0.37         0.43           deal number of family size         10.589         0.348         2201         2362         1.958         0.033         9.893         11.28           Had heard about HIV/AIDS         0.909         0.01         2930         3237         1.839         0.011         0.889         0.92           Shows condoms reduce HIV risks         0.655         0.021         2930         3237         2.401         0.032         0.613         0.69           Shows about limiting partners         0.803         0.014         2930         3237         1.845         0.017         0.776         0.83           Has comprehensive knowledge of HIV/AIDS         0.377         0.022	(nows at least one method	0.09/			∠o91 1951	1.1 2.018			
ver used any method 0.136 0.015 1805 1951 1.819 0.108 0.107 0.16	ínow any modern method	0.808	0.019	1805	1951	2.064	0.024	0.77	0.84
Delay at least two years 0.403 0.017 1805 1951 1.462 0.042 0.37 0.43 deal number of family size 10.589 0.348 2201 2362 1.958 0.033 9.893 11.28 deal heard about HIV/AIDS 0.909 0.01 2930 3237 1.839 0.011 0.889 0.92 (nows condoms reduce HIV risks 0.655 0.021 2930 3237 2.401 0.032 0.613 0.69 (nows about limiting partners 0.803 0.014 2930 3237 1.845 0.017 0.776 0.83 deals comprehensive knowledge of HIV/AIDS 0.377 0.022 2930 3237 2.5 0.059 0.333 0.42	ver used any method								
knows condoms reduce HIV risks 0.655 0.021 2930 3237 2.401 0.032 0.613 0.65 knows about limiting partners 0.803 0.014 2930 3237 1.845 0.017 0.776 0.83 Has comprehensive knowledge of HIV/AIDS 0.377 0.022 2930 3237 2.5 0.059 0.333 0.43	Delay at least two years				1951				0.02
knows condoms reduce HIV risks 0.655 0.021 2930 3237 2.401 0.032 0.613 0.65 knows about limiting partners 0.803 0.014 2930 3237 1.845 0.017 0.776 0.83 Has comprehensive knowledge of HIV/AIDS 0.377 0.022 2930 3237 2.5 0.059 0.333 0.43	deal number of family size	10.589	0.348	2201	2362	1.958	0.033	9.893	11.28
Knows about limiting partners 0.803 0.014 2930 3237 1.845 0.017 0.776 0.83	tad neard about HIV/AIDS			2930 2930					0.92
Has comprehensive knowledge of HIV/AIDS 0.377 0.022 2930 3237 2.5 0.059 0.333 0.42 digher-risk sex past 12 months among youth 0.252 0.05 139 150 1.349 0.198 0.152 0.35 condom use at last higher-risk sex among youth 0.363 0.082 33 38 0.961 0.225 0.199 0.53	nows about limiting partners		0.014	2930	3237	1.845			0.83
nigner-risk sex past 12 months among youth	Has comprehensive knowledge of HIV/AIDS	0.377	0.022	2930	3237	2.5	0.059	0.333	0.42
OTHER THE POLICE FOR A REPORT OF THE POLICE FOR THE	ligher-risk sex past 12 months among youth	0.252					0.198	0.152	0.35

		C. I	Number	of cases		D.I.		
	Value	Stand- ard error	Un- weighted	Weight- ed	Design effect	Rela- tive error		nce limits
√ariable ————————————————————————————————————	(R)	(SE)	(N)	(WN)	(DEFT)	(SE/R)	R-2SE	R+2SI
Jrban residence	0.44	WOMEN 0.014	3667	4091	1.665	0.031	0.413	0.468
iterate	0.813	0.018	3667	4091	2.724	0.022	0.778	0.848
No education Secondary education or higher	0.063 0.703	0.009 0.02	3667 3667	4091 4091	2.374 2.643	0.152 0.028	0.044 0.663	0.08 0.74
Net attendance ratio for primary school	0.828	0.013	2388	2483	1.521	0.015	0.802	0.85
Never married Currently married/in union	0.412 0.523	0.012 0.012	3667 3667	4091 4091	1.427 1.438	0.028 0.023	0.389 0.499	0.43 0.54
Had first sex before 18	0.281 0.088	0.012 0.006	2893 3667	3239 4091	1.405 1.246	0.042 0.066	0.257 0.076	0.30
Durrently pregnant Children ever born	2.43	0.067	3667	4091	1.412	0.028	2.296	2.56
Children surviving Children ever born to women age 40-49	2.072 5.841	0.052 0.132	3667 693	4091 739	1.272 1.224	0.025 0.023	1.969 5.577	2.17 6.10
Knows any contraceptive method	0.855	0.018	1911	2139	2.236	0.021	0.819	0.89
Ever using contraceptive method Currently using any contraceptive method	0.459 0.234	0.021 0.014	1911 1911	2139 2139	1.86 1.425	0.046 0.059	0.417 0.206	0.50 0.26
Currently using a modern method	0.118	0.008	1911	2139	1.152	0.072	0.101	0.13
Currently using pill Currently using IUD	0.016 0.014	0.003 0.003	1911 1911	2139 2139	1.055 1.105	0.192 0.213	0.01 0.008	0.02
Currently using condom	0.046	0.006	1911	2139	1.219	0.127	0.034	0.05
Currentlý using female sterilisation Currently using periodic abstinence	0.006 0.058	0.003 0.007	1911 1911	2139 2139	1.571 1.375	0.462 0.127	0 0.043	0.01 0.07
Obtained method from public sector source Vant no more children	0.121 0.282	0.021 0.013	312 1911	393 2139	1.138 1.252	0.174 0.046	0.079 0.256	0.16 0.30
Want to delay birth at least 2 years	0.271	0.014	1911	2139	1.34	0.046	0.244	0.29
deal family size Iwo or more tetanus injections	5.493 0.777	0.087 0.019	3507 1454	3902 1603	2.584 1.74	0.016 0.024	5.318 0.739	5.66 0.81
Neonatal tetanus	0.813	0.019	1454	1603	1.833	0.023	0.775	0.8
Mothers received medical assistance at delivery Had diarrhoea in two weeks before survey	0.818 0.049	0.028 0.006	2450 2173	2730 2428	2.689 1.164	0.034 0.116	0.763 0.038	0.87 0.06
reated with oral rehydration salts (ORS) '	0.329	0.056	123	120	1.193	0.171	0.217	0.44
Faken to a health provider √accination card seen	0.752 0.461	0.049 0.027	123 442	120 504	1.096 1.118	$0.065 \\ 0.058$	0.654 0.408	0.8 0.51
Received BCG	0.791	0.023	442	504	1.146	0.029	0.745	0.83
Received DPT (3 doses) Received polio (3 doses)	0.669 0.525	0.03 0.029	442 442	504 504	1.301 1.197	0.045 0.055	0.609 0.467	0.72 0.58
Received measles Fully immunised	0.639 0.429	$0.026 \\ 0.026$	442 442	504 504	1.108 1.11	0.041 0.062	0.587 0.376	0.6 0.48
Height-for-age (below -2SD)	0.429	0.013	1864	1947	1.232	0.062	0.376	0.24
Weight-for-neight (below -2SD) Weight-for-age (below -2SD)	0.086 0.1	0.007 0.008	1864 1864	1947 1947	1.046 1.043	0.085 0.081	0.071 0.084	0.10 0.11
3MI < 18.5	0.068	0.006	3171	3529	1.43	0.094	0.055	0.08
Has heard of HIV/AIDS Knows about condoms	0.971 0.609	0.006 0.018	3667 3667	4091 4091	2.102 2.24	0.006 0.03	0.959 0.573	0.98 0.64
Knows about limiting partners	0.778	0.018	3667	4091	2.634	0.023	0.742	0.81
Has comprehensive knowledge of HIV/AIDS Higher-risk sex past 12 months among youth	0.309 0.526	0.019 0.026	3667 538	4091 614	2.452 1.2	0.061 0.049	0.272 0.474	0.34 0.57
Condom use at higher-risk sex among youth	0.411	0.033	279	323	1.125	0.081	0.345	0.47
Female circumcision Total fertility rate TFR (3 years)	0.528 4.823	0.023 0.159	3667 na	4091 26616	2.833 1.393	0.044 0.033	0.482 4.504	0.57 5.14
Child mortality (0-10 years) nfant mortality (0-10 years)	64.296 94.979	5.226 4.913	4665 4634	5119 5083	1.184 1.009	$0.081 \\ 0.052$	53.845 85.152	74.74 104.80
Neonatal mortality (0-10 years)	50.825	4.261	4625	5074	1.085	0.084	42.302	59.34
Post-neonatal mortality (Ó-10 years) Under-5 mortality (O-10 years)	44.154 153.169	3.544 6.831	4634 4674	5083 5128	1.087 1.127	0.080 0.045	37.067 139.507	51.24 166.83
		MEN						
Jrban residence	0.454	0.02	1237	1448	1.423	0.044	0.413	0.49
Literate No education	0.937 0.009	0.009 0.003	1237 1237	1448 1448	1.252 0.96	0.009 0.281	0.919 0.004	0.95 0.01
Secondary education or higher Never married	0.7 0.57	0.021 0.018	1237 1237	1448 1448	1.589 1.268	0.03 0.031	$0.659 \\ 0.535$	0.74 0.60
Currently married	0.419	0.018	1237	1448	1.282	0.043	0.383	0.45
Had first sex before 18 Knows at least one method	0.178 0.919	0.016 0.016	981 514	1155 607	1.296 1.34	0.089 0.018	0.147 0.886	0.2 0.95
Know any modern method	0.911	0.017	514	607	1.327	0.018	0.878	0.94
Ever used any method Want no more children	0.7 0.199	0.026 0.019	514 514	607 607	1.308 1.057	0.038 0.094	0.647 0.162	0.75 0.23
Delay at least two years	0.353	0.028	514	607	1.304	0.078	0.298	0.40
deal´number of family size Had heard about HIV/AIDS	5.439 0.964	0.146 0.007	1195 1237	1397 1448	1.651 1.303	0.027 0.007	5.147 0.95	5.73 0.97
Knows condoms reduce HIV risks	0.76	0.018	1237	1448	1.456	0.023	0.725	0.79
Knows about limiting partners Has comprehensive knowledge of HIV/AIDŞ	0.876 0.396	0.013 0.022	1237 1237	1448 1448	1.44 1.572	0.015 0.055	0.849 0.352	0.90 0.43
Higher-risk sex past 12 months among youth	0.927	0.021	157	176	1.003	0.023	0.885	0.96
Condom use at last higher-risk sex among youth	0.662	0.045	143	163	1.124	0.067	0.573	0.75

		C1 1	Number	of cases		p.l		
/ariable	Value (R)	Stand- ard error (SE)	Un- weighted (N)	Weight- ed (WN)	Design effect (DEFT)	Rela- tive error (SE/R)	Confide R-2SE	nce limit R+2S
апаріе	(K)			(VVIN)	(DEFT)	(3E/K)	K-23E	N+23
		WOMEN	<b>.</b>					
Jrban residence iterate	0.33 0.778	0.018 0.013	4813 4813	5473 5473	2.68 2.152	0.055 0.01 <i>7</i>	0.294 0.752	0.36 0.80
lo education	0.06	0.006	4813	5473	1.623	0.092	0.049	0.07
econdary education or higher let attendance ratio for primary school	0.686 0.801	0.014 0.008	4813 3093	5473 3264	2.095 1.108	0.02 0.011	0.658 0.784	0.71 0.81
Never married	0.393	0.01	4813	5473	1.432	0.026	0.373	0.41
Currently married/in union	0.544	0.01	4813	5473	1.462	0.019	0.523	0.56
lad first sex before 18 Currently pregnant	0.477 0.085	0.015 0.005	3782 4813	4346 5473	1.828 1.278	0.031 0.061	0.447 0.074	0.50 0.09
Children ever born	2.441	0.074	4813	5473	1.817	0.03	2.292	2.5
Children surviving	2.083	0.059	4813	5473	1.706	0.028	1.965	2.20
Children ever born to women age 40-49 Cnows any contraceptive method	6.187 0.899	0.137 0.011	725 2661	813 2978	1.324 1.848	0.022 0.012	5.913 0.878	6.4 0.92
ver using contraceptive method	0.56	0.017	2661	2978	1.742	0.012	0.526	0.59
Currently using any contraceptive method	0.262	0.011	2661	2978	1.345	0.044	0.239	0.28
Currently using a modern method	0.155 0.026	$0.008 \\ 0.003$	2661 2661	2978 2978	1.117 1.044	0.051 0.123	0.139 0.02	0.17 0.03
Currently using pill Currently using IUD	0.007	0.003	2661	2978	1.131	0.123	0.003	0.0
Currently using condom	0.044	0.005	2661	2978	1.202	0.108	0.035	0.05
Currently using female sterilisation	0.006	0.002	2661	2978	1.18	0.307	0.002	0.00
Currently using periodic abstinence Obtained method from public sector source	0.053 0.147	0.006 0.016	2661 734	2978 860	1.307 1.256	0.107 0.112	0.042 0.114	0.06 0.1
Vant no more children	0.271	0.012	2661	2978	1.343	0.043	0.248	0.29
Vant to delay birth at least 2 years	0.324	0.014	2661	2978	1.509	0.042	0.297	0.35
deal family size wo or more tetanus injections	5.183 0.636	0.061 0.02	4468 2101	4994 2310	2.113 1.874	0.012 0.031	5.061 0.596	5.30 0.67
Veonatal tetanus	0.687	0.02	2101	2310	1.919	0.031	0.536	0.07
Nothers received medical assistance at delivery	0.558	0.027	3327	3667	2.378	0.048	0.504	0.61
lad diarrhoea in two weeks before survey	0.038	0.004	2997	3310	1.2	0.117	0.029	0.04
reated with oral rehydration salts (ORS) aken to a health provider	0.237 0.614	0.046 0.046	116 116	127 127	1.087 0.929	0.194 0.074	0.145 0.523	0.32 0.70
accination card seen	0.464	0.029	585	663	1.396	0.063	0.405	0.52
deceived BCG	0.753	0.028	585	663	1.518	0.037	0.697	0.80
deceived DPT (3 doses) deceived polio (3 doses)	0.542 0.536	$0.035 \\ 0.032$	585 585	663 663	1.683 1.522	$0.065 \\ 0.06$	0.471 0.472	0.61 0
Received measles	0.555	0.032	585	663	1.535	0.058	0.491	0.61
ully immunised	0.36	0.032	585	663	1.573	0.088	0.297	0.42
leight-for-age (below -2SD) Veight-for-height (below -2SD)	0.311 0.075	0.015 0.007	2574 2574	2769 2769	1.431 1.263	0.047 0.093	0.282 0.061	0.3 0.08
Veight-for-age (below -2SD)	0.128	0.007	2574	2769	1.292	0.033	0.001	0.00
MI < 18.5	0.077	0.006	4206	4779	1.407	0.075	0.065	0.08
las heard of HIV/AIDS	$0.92 \\ 0.646$	0.01	4813	5473	2.434	0.01	0.901	0.93 0.67
nows about condoms  nows about limiting partners	0.732	0.016 0.016	4813 4813	5473 5473	2.364 2.537	$0.025 \\ 0.022$	0.614 0.699	0.07
ínows about limiting partners las comprehensive knowledge of HIV/AIDS	0.26	0.013	4813	5473	2.074	0.05	0.234	0.28
ligher-risk sex past 12 months among youth	0.642	0.019	1232	1379	1.405	0.03	0.604	0.68
Condom use at higher-risk sex among youth emale circumcision	$0.326 \\ 0.342$	$0.023 \\ 0.025$	778 4813	886 5473	1.361 3.632	$0.07 \\ 0.073$	$0.28 \\ 0.293$	0.37 0.39
otal fertility rate TFR (3 years)	4.69	0.173	na	15276	1.586	0.037	4.343	5.03
Child mortality (0-10 years)	58.064	4.251	6225	6815	1.195	0.073	49.562	66.56
nfant mortality (0-10 years)	84.486 47.533	4.957 3.727	6198 6188	6787 6777	1.169 1.159	$0.059 \\ 0.078$	74.572 40.078	94.40 54.98
leonatal mortality (0-10 years) Post-neonatal mortality (0-10 years)	36.953	3.005	6196	6784	1.104	0.081	30.944	42.96
Under-5 mortality (0-10 years)	137.644	6.614	6237	6829	1.243	0.048	124.416	150.87
		MEN						
Jrban residence	0.318	0.019	2167	2437	1.882	0.059	0.28	0.35
iterate Io education	$0.893 \\ 0.023$	0.011 0.004	2167 2167	2437 2437	1.588 1.292	$0.012 \\ 0.182$	0.872 0.014	0.91 0.03
econdary education or higher	0.802	0.013	2167	2437	1.469	0.016	0.776	0.82
lever married	0.57	0.012	2167	2437	1.082	0.02	0.547	0.59
Currently married Had first sex before 18	0.406 0.376	0.012 0.015	2167 1718	2437 1953	1.108 1.31	0.029 0.041	0.382 0.345	0.42 0.40
ínows at least one method	0.976	0.013	895	989	2.002	0.041	0.956	0.99
ínow any modern method	0.974	0.011	895	989	1.97	0.011	0.953	0.99
ver used any method Vant no more children	0.738	0.021 0.016	895 895	989 989	1.419 1.176	0.028 0.077	0.696	0.7 0.23
Vant no more children Delav at least two vears	0.207 0.372	0.016	895	989 989	1.176 1.138	0.077	0.175 0.336	0.23
Delay at least two years deal number of family size	5.381	0.125	2006	2221	1.492	0.023	5.13	5.63
lad heard about HIV/AIDS	0.961	0.006	2167	2437	1.483	0.006	0.948	0.97
(nows condoms reduce HIV risks	$0.776 \\ 0.886$	0.014 0.011	2167 2167	2437 2437	1.51 1.594	0.017 0.012	$0.749 \\ 0.864$	0.80
anows about inflitting partifels		0.011	210/		1.334	0.012	0.004	0.90
las comprehensive knowledge of HIV/AIDS	0.37	0.016	216/	2437	1.511	0.047	0.339	().40
inows about limiting partners las comprehensive knowledge of HIV/AIDS ligher-risk sex past 12 months among youth Condom use at last higher-risk sex among youth	0.37 0.918 0.457	0.016 0.015 0.03	2167 413 378	2437 436 400	1.511 1.128 1.185	0.042 0.017 0.066	0.339 0.887 0.397	0.40 0.94 0.51

		Crl	Number	of cases		D.I.		
	Value	Stand- ard error	Un- weighted	Weight- ed	Design effect	Rela- tive error	Confide	
/ariable	(R)	(SE)	(N)	(WN)	(DEFT)	(SE/R)	R-2SE	R+2S
		WOMEN						
Jrban residence .iterate	0.616 0.798	0.016 0.016	5025 5025	6789 6789	2.372 2.857	$0.026 \\ 0.02$	0.583 0.765	0.64 0.8
No education	0.12	0.015	5025	6789	3.319	0.127	0.089	0.1
Secondary education or higher Net attendance ratio for primary school	0.671 0.766	0.018 0.014	5025 3339	6789 4361	2.676 1.757	0.026 0.019	0.635 0.737	0.70 0.79
Never married	0.327	0.011	5025	6789	1.598	0.032	0.306	0.34
Currently married/in union Had first sex before 18	0.643 0.296	0.011 0.012	5025 4004	6789 5469	1.701 1.664	0.018 0.041	$0.62 \\ 0.272$	0.66 0.3
Currently pregnant	0.082	0.005	5025	6789	1.212	0.057	0.073	0.09
Children ever born Children surviving	2.272 2.041	0.047 0.041	5025 5025	6789 6789	1.421 1.41	0.021 0.02	2.178 1.959	2.36 2.12
Children ever born to women age 40-49	4.979	0.105	891	1192	1.447	0.021	4.769	5.18
Knows any contraceptive method Ever using contraceptive method	0.95 0.561	0.01 0.02	3198 3198	4366 4366	$\frac{2.655}{2.29}$	0.011 0.036	0.93 0.521	0.97 0.60
Currently using any contraceptive method	0.317	0.015	3198	4366	1.826	0.047	0.287	0.34
Currentlý using a modern měthod Currently using pill	0.21 0.04	0.01 0.004	3198 3198	4366 4366	1.446 1.065	0.05 0.093	0.189 0.032	0.23 0.04
Currently using IUD	0.031	0.004	3198	4366	1.203	0.118	0.024	0.03
Eurrentlý using condom Eurrently using female sterilisation	0.061 0.002	0.005 0.001	3198 3198	4366 4366	1.211 1.049	$0.084 \\ 0.392$	0.051 0	0.07 0.00
Currently using periodic abstinence Obtained method from public sector source	0.035	0.005	3198	4366	1.442	0.134	0.026	0.04
Obtained method from public sector source  Nant no more children	0.218 0.316	0.019 0.011	832 3198	1165 4366	1.346 1.319	0.089 0.034	0.179 0.294	0.25 0.33
Vant to delay birth at least 2 years	0.317	0.012	3198	4366	1.456	0.038	0.293	0.34
deal family size Two or more tetanus injections	4.59 0.769	0.054 0.016	4634 2263	6322 3075	2.273 1.845	0.012 0.021	4.482 0.736	4.69 0.80
Neonatal tetanus	0.791	0.016	2263	3075	1.885	0.02	0.758	0.82
Aothers received medical assistance at delivery Had diarrhoea in two weeks before survey	$0.765 \\ 0.062$	0.021 0.006	3318 3098	4519 4221	2.305 1.208	$0.028 \\ 0.09$	0.723 0.051	0.80 0.07
reated with oral rehydration salts (ORS)	0.437	0.000	200	261	1.065	0.094	0.051	0.57
Γaken to a healtḥ próvider	0.487	0.04	200	261	1.028	0.082	0.408	0.56
/accination card seen Received BCG	0.425 0.803	0.025 0.026	602 602	814 814	1.209 1.536	$0.059 \\ 0.032$	0.375 0.752	0.47 0.85
Received DPT (3 doses)	0.665	0.029	602	814	1.465	0.043	0.607	0.72
Received polio (3 doses) Received measles	0.534 0.655	0.027 0.027	602 602	814 814	1.282 1.37	0.05 0.041	0.481 0.601	0.58 0.70
Fully immunised	0.428	0.027	602	814	1.331	0.064	0.373	0.48
Height-for-age (below -2SD) Neight-for-height (below -2SD)	0.312 0.093	0.012 0.007	2822 2822	3795 3795	1.336 1.143	$0.04 \\ 0.072$	0.287 0.079	0.33 0.10
Neight-for-age (below -2SD)	0.133	0.008	2822	3795	1.203	0.061	0.117	0.14
BMI < 18.5 Has heard of HIV/AIDS	0.097 0.934	0.006 0.01	4441 5025	5998 6789	1.406 2.816	0.064 0.011	0.085 0.914	0.1 0.95
Cnows about condoms	0.589	0.015	5025	6789	2.096	0.025	0.559	0.61
Knows about limiting partners  Has comprehensive knowledge of HIV/AIDS	0.673 0.265	0.013 0.011	5025 5025	6789 6789	1.947 1.693	0.019 0.04	0.647 0.244	0.69 0.28
Higher-risk sex past 12 months among youth	0.518	0.028	845	1104	1.653	0.055	0.461	0.57
Condom use at higher-risk sex among youth Female circumcision	0.43 0.534	0.03 0.025	446 5025	572 6789	1.286 3.506	0.07 0.046	0.37 0.484	0.49 0.58
Total fertility rate TFR (3 years)	4.521	0.14	na	18922	1.475	0.031	4.24	4.80
Child mortality (0-10 years) nfant mortality (0-10 years)	32.108 58.905	2.899 3.910	6241 6219	8414 8387	1.130 1.187	0.090 0.066	26.310 51.084	37.90 66.72
Neonatal mortality (0-10 years)	36.695	3.002	6209	8373	1.149	0.082	30.691	42.70
Post-neonatal mortality (0-10 years) Under-5 mortality (0-10 years)	22.209 89.121	2.288 4.904	6219 6251	8387 8428	1.131 1.204	0.103 0.055	17.633 79.314	26.78 98.92
		MEN						
Jrban residence	0.641	0.018	2287	2977	1.762	0.028	0.606	0.67
.iterate No education	$0.896 \\ 0.052$	0.011 0.01	2287 2287	2977 2977	1.692 2.215	0.012 0.199	0.874 0.031	0.91 0.07
Secondary education or higher	0.79	0.014	2287	2977	1.663	0.018	0.762	0.81
Never married Currently married	0.503 0.48	0.014 0.014	2287 2287	2977 2977	1.325 1.325	$0.028 \\ 0.029$	0.475 0.453	0.53 0.50
Had first sex before 18	0.282	0.012	1876	2479	1.118	0.041	0.259	0.30
Knows at least one method Know any modern method	0.989	0.004	1095	1430	1.133	0.004 0.005	0.982 0.975	0.99
ver used any method	0.984 0.778	0.005 0.01 <i>7</i>	1095 1095	1430 1430	1.307 1.357	0.022	0.744	0.99 0.81
Vant no more children	0.196	0.013	1095	1430	1.055	0.065	0.17	0.22
Delay at least two years deal number of family size	0.379 4.732	$0.014 \\ 0.082$	1095 2224	1430 2907	0.986 1.55	0.038 0.01 <i>7</i>	0.35 4.569	0.40 4.89
ad heard about HIV/AIDS	0.978	0.004	2287	2977	1.412	0.004	0.969	0.98
Knows condoms reduce HIV risks Knows about limiting partners	0.728 0.815	0.013 0.012	2287 2287	2977 2977	1.428 1.51	0.018 0.015	0.701 0.79	0.75 0.83
Knows about limiting partners Has comprehensive knowledge of HIV/AIDS	0.373	0.016	2287	2977	1.564	0.042	0.342	0.40
Higher-risk sex past 12 months among youth	0.933	0.016	342	430	1.161	0.017	0.901	0.96



Table D.1 Household age distribution

Single-year age distribution of the de facto household population by sex (weighted), Nigeria 2008

•		Women		len .
Age	Number	Percent	Number	Percent
0	2,719	3.6	2,784	3.7
1	2,465	3.3 3.2	2,444 2,483	3.3
2 3	2,423 2,608	3.4	2,463	3.3 3.8
4	2,429	3.2	2,507	3.4
5	2,104	2.8	2,211	3.0
6	2,659	3.5	2,623	3.5
7	2,273	3.0	2,456	3.3
8	2,626	3.5	2,571	3.4
9	1,733	2.3	1,809	2.4
10	2,349	3.1	2,495	3.3
11	1,289	1.7	1,360	1.8
12 13	2,023 1,595	2.7	2,106	2.8
14	1,595	2.1 2.0	1,625 1,665	2.2 2.2
15	1,544	2.0	1,616	2.2
16	1,225	1.6	1,226	1.6
17	1,145	1.5	1,174	1.6
18	1,684	2.2	1,522	2.0
19	989	1.3	928	1.2
20	2,148	2.8	1,814	2.4
21	802	1.1	746	1.0
22	1,291	1.7	1,077	1.4
23	1,049	1.4	855	1.1
24 25	946 2,355	1.3 3.1	809 1,878	1.1 2.5
26	2,333 1,061	3.1 1.4	850	2.5 1.1
27	1,059	1.4	837	1.1
28	1,421	1.9	1,168	1.6
29	<sup>′</sup> 671	0.9	<sup>′</sup> 597	0.8
30	2,221	2.9	2,061	2.8
31	494	0.7	433	0.6
32	944	1.2	916	1.2
33	573	0.8	537	0.7
34 35	501 1,711	0.7 2.3	510 1,705	0.7 2.3
36	522	0.7	548	0.7
37	525	0.7	562	0.8
38	782	1.0	728	1.0
39	358	0.5	398	0.5
40	1,588	2.1	1,602	2.1
41	299	0.4	297	0.4
42	512	0.7	607	0.8
43	389	0.5	367	0.5
44 45	282 941	0.4 1.2	274 1,229	0.4 1.6
46	320	0.4	347	0.5
47	337	0.4	343	0.5
48	612	0.8	520	0.7
49	407	0.5	286	0.4
50	914	1.2	1,157	1.6
51	359	0.5	200	0.3
52	655	0.9	376	0.5
53 54	416 357	0.5 0.5	230 210	0.3 0.3
55 55	357 849	0.5 1.1	633	0.3
56	336	0.4	275	0.4
57	204	0.3	217	0.3
58	355	0.5	295	0.4
59	133	0.2	185	0.2
60	888	1.2	848	1.1
61	150	0.2	212	0.3
62	251	0.3	398	0.5
63	167	0.2	216 178	0.3
64 65	118 550	0.2 0.7	178 593	0.2 0.8
66	82	0.7	132	0.8
67	125	0.1	169	0.2
68	229	0.3	255	0.3
69	85	0.1	119	0.2
70+	1,843	2.4	2,299	3.1
Don't know/missing	39	0.1	64	0.1
Total	75,627	100.0	74,568	100.0

Table D.2.1 Age distribution of eligible and interviewed women

De facto household population of women age 10-54, interviewed women age 15-49, and percentage of eligible women who were interviewed (weighted), by five-year age groups, Nigeria 2008

	Household population of women age	Interviewe age 1		Percentage of eligible women
Age group	10-54	Number	Percent	interviewed
10-14	8,775	na	na	na
15-19	6,587	6,355	19.6	96.5
20-24	6,235	5,995	18.5	96.1
25-29	6,567	6,317	19.5	96.2
30-34	4,733	4,562	14.0	96.4
35-39	3,899	3,766	11.6	96.6
40-44	3,071	2,957	9.1	96.3
45-49	2,616	2,520	7.8	96.3
50-54	2,700	na	na	na
15-49	33,708	32,471	100.0	96.3

Note: The de facto population includes all residents and non-residents who stayed in the household the night before the interview. Weights for both household population of women and interviewed women are household weights. Age is based on the household schedule.

na = Not applicable

Table D.2.2 Age distribution of eligible and interviewed men

De facto household population of men aged 10-64, interviewed men age 15-59, and percentage of eligible men who were interviewed (weighted), by five-year age groups, Nigeria 2008

	Household population of men age	Interviev age 1	ved men  5-59	Percentage of eligible men	
Age group	10-64	Number	Percent	interviewed	
10-14	4,687	na	na	na	
15-19	2,778	2,524	16.5	90.9	
20-24	2,488	2,311	15.1	92.9	
25-29	2,624	2,456	16.0	93.6	
30-34	2,200	2,051	13.4	93.2	
35-39	1,901	1,765	11.5	92.9	
40-44	1,491	1,381	9.0	92.6	
45-49	1,263	1,183	7.7	93.7	
50-54	1,013	944	6.2	93.2	
55-59	766	725	4.7	94.6	
60-64	950	na	na	na	
15 50	16 500	15 240	100.0	02.0	
15-59	16,523	15,340	100.0	92.8	

Note: The de facto population includes all residents and non-residents who stayed in the household the night before the interview. Weights for both household population of women and interviewed women are household weights. Age is based on the household schedule.

na = Not applicable

## Table D.3 Completeness of reporting

Percentage of observations with information missing for selected demographic and health questions (weighted), Nigeria 2008

Subject	Reference group	Percentage with information missing	Number of cases
Birth date	Births in past 15 years		
Month only		2.47	73,402
Month and year		0.21	73,402
Age at death	Dead children born in past 15 years	0.26	12,221
Age/date at first union <sup>1</sup>	Ever-married women age 15-49	1.95	24,988
	Ever-married men age 15-49	1.68	8,930
Respondent's education	All women age 15-49	0.09	33,385
•	All men age 15-54	0.09	15,486
Diarrhoea in past 2 weeks	Living children 0-59 months	1.80	24,975
Anthropometry	Living children age 0-59 months (from the Household Questionnaire)		
Height	•	5.30	25,760
Weight		4.74	25,760
Height or weight		5.47	25,760

## Table D.4 Births by calendar years

Number of births, percentage with complete birth date, sex ratio at birth, and calendar year ratio by calendar year, according to survival status of children (weighted), Nigeria 2008

Calendar	1	Number of bir	rths		age with c birth date		Sea	x ratio at bi	irth²	Cale	endar year	ratio <sup>3</sup>
year	Living	Dead	Total	Living	Dead	Total	Living	Dead	Total	Living	Dead	Total
2008	5,437	477	5,914	100.0	99.8	100.0	98.4	119.9	100.0	na	na	na
2007	4,820	721	5,541	100.0	99.6	99.9	102.3	114.9	103.8	na	na	na
2006	4,980	713	5,693	99.9	99.5	99.9	104.1	128.9	106.9	104.0	91.5	102.3
2005	4,756	837	5,592	100.0	99.6	99.9	102.7	106.7	103.3	104.2	120.8	106.4
2004	4,149	672	4,821	100.0	98.1	99.7	105.1	109.5	105.7	86.9	65.4	83.1
2003	4,793	1,220	6,013	97.5	91.5	96.3	101.5	111.8	103.5	117.6	159.0	124.2
2002	4,001	861	4,862	96.1	91.0	95.2	105.7	102.5	105.1	83.7	70.2	80.9
2001	4,771	1,235	6,006	97.0	91.1	95.8	103.6	109.5	104.8	131.7	141.2	133.6
2000	3,242	888	4,130	96.8	90.1	95.3	98.5	106.6	100.2	72.2	78.6	73.5
1999	4,207	1,023	5,230	95.9	92.1	95.2	102.4	108.2	103.5	143.7	124.5	139.5
2004-2008	24,142	3,420	27,562	100.0	99.3	99.9	102.3	115.2	103.8	na	na	na
1999-2003	21,013	5,227	26,240	96.7	91.2	95.6	102.5	108.1	103.6	na	na	na
1994-1998	14,182	3,957	18,139	96.0	91.3	95.0	102.8	109.4	104.2	na	na	na
1989-1993	9,965	3,110	13,075	96.1	90.8	94.8	104.7	117.3	107.6	na	na	na
<1988	9,370	3,403	12,774	95.9	91.8	94.8	106.5	119.5	109.8	na	na	na
All	78,673	19,117	97,790	97.4	92.7	96.5	103.2	113.1	105.1	na	na	na

na = Not applicable

<sup>&</sup>lt;sup>1</sup> Both year and month of birth given

 $<sup>^{2}</sup>$  (Bm/Bf)x100, where Bm and Bf are the numbers of male and female births, respectively

 $<sup>^{3}</sup>$  [2Bx/(Bx-1+Bx+1)]x100, where Bx is the number of births in calendar year x

Table D.5 Reporting of age at death in days

Distribution of reported deaths under one month of age by age at death in days and the percentage of neonatal deaths reported to occur at ages 0-6 days, for five-year periods of birth preceding the survey (weighted), Nigeria 2008

	Number of years preceding the survey Total					
Age at death (days)	0-4	5-9	10-14	15-19	0-19	
<1	349	325	264	176	1,113	
1	225	233	141	109	708	
2	90	105	77	55	328	
3	78	87	76	61	302	
4	45	76	44	36	200	
5	44	83	55	27	209	
6	40	48	30	35	154	
7	63	83	58	57	261	
8	30	37	20	27	113	
9	16	38	26	14	94	
10	14	28	15	16	72	
11	4	5	5	6	20	
12	8	6	6	2	22	
13	2	7	4	8	22	
14	37	50	40	23	150	
15	14	14	10	9	47	
16	4	7	5	6	22	
17	4	2	3	0	9	
18	2	9	3	2	16	
19	3	5	1	2	10	
20	8	15	14	7	44	
21	14	24	16	12	66	
22	2	6	1	4	13	
23	0	7	2	2	11	
24	4	2	3	0	10	
25	0	3	4	2	9	
26	2	0	1	0	3	
27	0	2	1	0	3	
28	2	8	5 0	0 2	15	
29 30	4 10	4 9		9	10	
31+	10 11	9 15	11 13	9 12	39 51	
Missing	11	15 4	13	12	51 7	
iviissilig	1	4	ı	ı	/	
Total 0-30	1,118	1,327	941	709	4,095	
Percent early neonatal <sup>1</sup>	77.9	72.1	73.0	70.4	73.6	
<sup>1</sup> (0-6 days)/(0-30 days) * 100						

Table D.6 Reporting of age at death in months

Distribution of reported deaths under two years of age by age at death in months and the percentage of infant deaths reported to occur at age under one month, for five-year periods of birth preceding the survey, Nigeria 2008

	Nur	Number of years preceding the survey To				
Age at death (months)	0-4	5-9	10-14	15-19	0-19	
<1 <sup>a</sup>	1,119	1,330	942	710	4,101	
1	96	140	133	95	464	
2	107	124	128	84	443	
3	101	144	117	58	419	
4	85	92	55	55	287	
5	67	97	65	45	274	
6	84	94	67	57	303	
7	82	124	86	65	357	
8	75	101	67	60	302	
9	75	100	81	61	318	
10	49	76	56	42	223	
11	44	67	46	33	189	
12	87	128	107	77	399	
13	26	28	33	12	99	
14	26	31	28	16	102	
15	18	35	21	23	97	
16	24	26	23	14	88	
17	21	30	25	18	94	
18	38	51	44	27	159	
19	20	30	27	13	89	
20	12	18	14	10	54	
21	10	10	12	6	38	
22	11	5	6	2	24	
23	6	8	4	4	23	
24+	9	26	19	14	68	
Missing	4	3	8	0	15	
1 year	330	491	370	311	1,502	
Total 0-11	1,983	2,488	1,844	1,365	7,680	
Percent neonatal <sup>1</sup>	56.4	53.5	51.1	52.0	53.4	

 $<sup>^{\</sup>rm a}$  Includes deaths under one month reported in days

<sup>&</sup>lt;sup>1</sup> Under one month/under one year

Table D.7 Data on siblings

Percent distribution of respondents and siblings by year of birth, Nigeria 2008

Year of birth	Respondents	Siblings
Before 1950	0.0	0.9
1950-54	0.0	1.5
1955-59	1.8	3.2
1960-64	8.1	5.1
1965-69	9.4	8.0
1970-74	12.1	11.6
1975-79	14.8	14.1
1980-84	19.7	16.5
1985 or later	34.2	39.1
Total	100.0	100.0
Lower year of birth	1958	1924
Upper year of birth	1993	2008
Median	1973	1973
Number of cases	33,385	178,701

Table D.8	Sibshi	p size	and	sex	ratio o	of
siblings						

Mean sibship size and sex ratio of siblings, Nigeria 2008

o .		
Respondent's	Mean	Sex ratio at
year of birth	sibship size	birth
1955-59	5.7	107.0
1960-64	5.9	109.1
1965-69	6.1	108.1
1970-74	6.5	111.9
1975-79	6.5	108.0
1980-84	6.5	105.1
1985-89	6.5	106.1
>1989	6.3	106.4
Total	6.4	107.3

# **NUTRITIONAL STATUS OF CHILDREN:** 2008 NDHS DATA ACCORDING TO THE NCHS/CDC/WHO INTERNATIONAL REFERENCE **POPULATION**

Appendix **E** 

Table E.1 Nutritional status of children

Percentage of children under five years classified as malnourished according to three anthropometric indices of nutritional status: height-for-age, weightfor-height, and weight-for-age, by background characteristics, Nigeria 2008

	Height-for-age			Weight-for-height				Weight-for-age					
Background	Percentage below	Percentage below	Mean Z-score	Percentage below	Percentage below	Percentage above	Mean Z-score	Percentage below	Percentage below	Percentag e above	Mean Z-score	Number of	
characteristic	-3 SD	-2 SD <sup>1</sup>	(SD)	-3 SD	-2 SD <sup>1</sup>	+2 SD	(SD)	-3 SD	-2 SD <sup>1</sup>	+2 SD	(SD)	children	
Age in months			()				(==)				()		
<6	3.3	12.6	-0.1	2.6	10.9	15.0	0.3	0.8	5.6	11.5	0.2	1,897	
6-8	9.5	21.9	-0.7	4.1	14.6	11.3	-0.2	5.4	20.4	4.5	-0.8	1,142	
9-11	13.8	29.0	-1.0	4.1	15.5	7.4	-0.2	10.9	30.4	2.3	-1.2	1,018	
12-17	24.2	45.6	-1.7	5.4	16.8	6.1	-0.4	15.0	38.4	1.9	-1.6	2,152	
18-23	28.5	50.0	-1.8	4.6	14.7	6.8	-0.4	11.6	33.1	3.3	-1.3	1,597	
24-35	24.7	41.1	-1.5	4.0	12.3	4.5	-0.4	13.0	32.9	2.2	-1.3	3,862	
36-47	20.1	37.7	-1.3 -1.4	3.4	10.6	3.6	-0.4	7.4	25.2	2.0	-1.3 -1.1	4,326	
48-59	20.1	39.1	-1. <del>4</del> -1.6	3.8	10.3	3.3	-0.3 -0.4	6.9	26.7	1.1	-1.1	3,999	
	20.1	39.1	-1.0	3.0	10.5	3.3	-0.4	0.9	20.7	1.1	-1.2	3,999	
Sex													
Male	20.8	38.5	-1.4	4.3	12.8	5.5	-0.3	9.4	28.0	2.8	-1.1	10,043	
Female	18.3	35.0	-1.2	3.6	12.0	6.4	-0.3	8.5	26.3	3.2	-1.0	9,949	
Birth interval in months <sup>2</sup>													
First birth <sup>3</sup>	16.4	34.0	-1.2	3.1	10.9	6.1	-0.3	6.4	24.5	2.7	-1.0	3,448	
<24	22.9	41.4	-1.5	4.6	13.5	4.7	-0.4	11.3	31.0	2.4	-1.2	3,299	
24-47	19.9	37.0	-1.3	4.0	12.7	6.3	-0.3	9.3	27.8	3.1	-1.1	8,851	
48+	18.3	33.9	-1.2	4.0	12.4	6.6	-0.3	8.2	25.4	3.7	-1.0	2,763	
Size at birth <sup>2</sup>												,	
Very small	26.3	45.6	-1.6	5.9	17.3	5.0	-0.6	14.7	39.5	2.1	-1.5	767	
Small	25.0	42.8	-1.6	4.4	15.3	4.1	-0.5	12.6	35.1	1.6	-1.5	1,675	
Average or larger	18.6	35.6	-1.3	3.8	12.0	6.3	-0.3	8.3	26.0	3.2	-1.0	15,637	
Missing	21.1	38.7	-1.5	1.8	9.3	6.1	-0.3	7.7	24.3	3.3	-1.1	278	
Mother's interview		501.	5		3.5	011	0.0	,	25	3.3		2, 0	
status	10.5	26.0	1.2	2.0	10 5	<i>C</i> 0	0.2	0.0	27.4	2.0	1 1	10 262	
Interviewed  Not interviewed but in	19.5	36.8	-1.3	3.9	12.5	6.0	-0.3	9.0	27.4	3.0	-1.1	18,362	
household	18.5	35.5	-1.1	3.2	10.8	4.9	-0.2	9.2	23.0	3.7	-0.9	399	
Not interviewed, and	20.2	37.1	-1.3	4.0	11.7	5.3	-0.3	9.3	25.2	2.9	-1.0	1,231	
not in the household <sup>4</sup>	100.0	100.0	-3.7	0.0	0.0	0.0	0.0	0.0	100.0	0.0	-2.3	1,231	
Missing	100.0	100.0	-3./	0.0	0.0	0.0	0.0	0.0	100.0	0.0	-2.3	2	
Mother's nutritional status⁵													
Thin (BMI<18.5) Normal (BMI 18.5-	29.1	50.0	-1.9	5.9	17.9	4.1	-0.7	17.7	44.4	2.0	-1.7	2,033	
24.9) Overweight/obese	20.1	38.1	-1.4	4.2	12.7	5.9	-0.3	9.0	28.3	2.6	-1.1	12,065	
(BMI ≥25)	12.9	25.9	-0.9	2.3	9.0	7.0	-0.1	4.6	16.4	4.4	-0.6	4,187	
Missing	19.4	38.1	-1.3	4.2	12.9	8.7	-0.2	7.5	24.7	5.4	-1.0	311	
Residence													
Urban	13.0	27.3	-0.9	3.0	9.8	6.5	-0.2	5.0	19.1	4.0	-0.8	6,386	
Rural	22.7	41.2	-1.5	4.4	13.6	5.7	-0.4	10.9	30.9	2.5	-1.2	13,607	
=======================================		· -				- **						inued	

Table E.1—Continued												
-	Н	leight-for-age	:	Weight-for-height				Weight-for-age				
Background characteristic		Percentage below -2 SD <sup>1</sup>		Percentage below -3 SD	Percentage below -2 SD <sup>1</sup>	Percentage above +2 SD	Mean Z-score (SD)	Percentage below -3 SD	Percentage below -2 SD <sup>1</sup>	Percentage above +2 SD	Mean Z-score (SD)	Number of children
Zone												
North Central	21.3	39.4	-1.5	2.9	8.4	6.9	-0.1	6.2	23.7	3.4	-1.0	2,810
North East	26.4	45.0	-1.7	7.4	19.7	5.8	-0.6	15.6	39.7	2.6	-1.5	3,121
North West	29.6	49.2	-1.8	5.7	17.8	5.7	-0.5	15.0	39.8	2.6	-1.5	5,548
South East	7.0	17.8	-0.6	2.0	7.7	6.3	-0.2	3.2	11.7	4.7	-0.5	1,965
South South	11.1	26.9	-1.0	1.3	6.0	6.7	-0.1	3.9	15.5	2.6	-0.7	2,758
South West	10.7	26.8	-1.0	2.2	8.4	5.1	-0.2	3.5	17.3	2.9	-0.8	3,792
Mother's education <sup>6</sup>												ļ
No education	28.1	47.4	-1.7	6.3	18.0	5.4	-0.5	14.9	39.2	2.5	-1.5	8,079
Primary	17.5	36.0	-1.3	2.5	9.8	6.0	-0.2	6.5	23.9	2.7	-1.0	4,557
Secondary	10.5	24.5	-0.9	2.1	7.7	6.5	-0.1	3.3	15.1	3.5	-0.7	4,998
More than secondary	6.4	16.8	-0.5	1.2	4.7	8.1	-0.0	1.2	9.3	5.5	-0.4	1,118
Missing	33.3	57.8	-2.5	0.0	5.8	0.0	-0.1	15.5	21.3	0.0	-1.5	10
Wealth quintile												
Lowest	29.9	49.2	-1.8	6.2	18.0	5.4	-0.5	16.3	40.1	2.2	-1.5	4,132
Second	24.5	44.6	-1.6	5.1	15.2	5.3	-0.4	12.0	34.0	2.3	-1.3	4,375
Middle	19.5	37.6	-1.4	3.5	10.3	6.3	-0.2	7.8	26.4	2.7	-1.1	3,968
Fourth	13.1	29.0	-1.1	2.5	9.3	5.7	-0.2	4.9	20.4	3.6	-0.9	3,788
Highest	8.9	20.6	-0.6	2.1	8.2	7.2	-0.1	2.7	12.5	4.5	-0.5	3,730
Total	19.6	36.8	-1.3	3.9	12.4	6.0	-0.3	9.0	27.1	3.0	-1.1	19,993

Note: Table is based on children who slept in the household the night before the interview. Each of the indices is expressed in standard deviation units (SD) from the median of the NCHS/CDC/WHO Child Growth Standards. Table is based on children with valid dates of birth (month and year) and valid measurement of both height and weight.

<sup>&</sup>lt;sup>1</sup> Includes children who are below -3 standard deviations (SD) from the International Reference Population median

 $<sup>^{2}</sup>$  Excludes children whose mothers were not interviewed

<sup>&</sup>lt;sup>3</sup> First born twins (triplets, etc.) are counted as first births because they do not have a previous birth interval

 $<sup>^{</sup>m 4}$  Includes children whose mothers are deceased

<sup>&</sup>lt;sup>5</sup> Excludes children whose mothers were not weighed and measured. Mother's nutritional status in terms of BMI (Body Mass Index) is presented in Table

<sup>&</sup>lt;sup>6</sup> For women who were not interviewed, information is taken from the Household Questionnaire. Excludes children whose mothers are not listed in the Household Questionnaire