



NIGERIA

Multiple Indicator Cluster Survey 2016-17



BILL & MELINDA GATES foundation



National Survey Finding Report

February, 2018



ERRATA

This report is a revised edition of the one published in October, 2017. The current edition have been updated with the following changes:

1. WHO/UNICEF Joint Monitoring Program (JMP) logo was added to the cover page and the technical support contribution of JMP acknowledged.
2. Correction made on the alignment of columns “Pentavent to Card seen” in Table CH.2A (Page 55).
3. Corrections made on the column “Other symptoms” in Table CH.11 (Pages 79).
4. The results for iodized salt consumption now included as Tables NU.10 (Pages 51-52) and reflected in the summary table of findings (Page v)
5. Correction made in Table CD.4 (Page 189). The total value in the column “Left with inadequate care in the past week” was corrected from 32.7percent to 31.7percent
6. Niger state, previously ommitted in Table MT.2M (Page 301), now included.
7. Data now updated for empty cells in column 5 of table HA.6M (Page 270).

The fifth round Multiple Indicator Cluster Survey (MICS5) was carried out in 2016/2017 by the National Bureau of Statistics (NBS) in collaboration with the National Primary Health Care Development Agency (NPHCDA) and National Agency for the Control of Aids (NACA), as part of the global MICS programme. Technical support was provided by the United Nations Children’s Fund (UNICEF) and WHO/UNICEF Joint Monitoring Programme (JMP) while World Health Organization (WHO), World Bank, Save One Million Live (SOML), Bill and Melinda Gates Foundation, United Nations Population Funds (UNFPA) and UNICEF provided financial support.

The global MICS programme was developed by UNICEF in the 1990s as an international household survey programme to support countries in the collection of internationally comparable data on a wide range of indicators on the situation of children and women. MICS surveys measure key indicators that allow countries to generate data for use in policies and programmes, and to monitor progress towards the Sustainable Development Goals (SDGs) and other internationally agreed upon commitments. The Nigeria MICS5 provided opportunity for strengthening of national statistical capacity by providing technical guidance on data gathering, quality of survey information, statistical tracking and analysis. MICS5 contributed to the improvement of data and monitoring systems in Nigeria and strengthened technical expertise in the design, implementation and analysis of such systems. In addition, MICS5 provided statistics to complement and assess the quality of data from recent national surveys such as Nigerian General Household Panel Survey (NGHPS) and National Demographic and Health Survey (NDHS) conducted by National Population Commission (NPopC).

Suggested citation:

National Bureau of Statistics (NBS) and United Nations Children’s Fund (UNICEF). 2017 *Multiple Indicator Cluster Survey 2016-17, Survey Findings Report*. Abuja, Nigeria: National Bureau of Statistics and United Nations Children’s Fund.

Summary Table of Survey Implementation and the Survey Population, Multiple Indicator Cluster Survey, Nigeria 2016-17

| Survey implementation | | | |
|------------------------------|------------------------------------|----------------------------------|-------------------------|
| Sample frame | 2006 Population and Housing Census | Questionnaires | Household |
| - Updated | November 2015 | | Women (age 15-49) |
| | | | Men (age 15-49) |
| | | | Children under five |
| | | | Water Quality Testing |
| Interviewer training | August 2016 | Fieldwork | Sept. 2016-January 2017 |
| Survey sample | | | |
| <i>Households</i> | | <i>Children under five</i> | |
| - Sampled | 37,440 | - Eligible | 28,578 |
| - Actual Coverage | 35,747 | - Mothers/caretakers interviewed | 28,085 |
| - Occupied | 34,289 | - Response rate (Per cent) | 98.3 |
| - Interviewed | 33,901 | | |
| - Response rate (Per cent) | 98.9 | | |
| <i>Women</i> | | <i>Men</i> | |
| - Eligible for interviews | 36,176 | - Eligible for interviews | 16,514 |
| - Interviewed | 34,376 | - Interviewed | 15,183 |
| - Response rate (Per cent) | 95.0 | - Response rate (Per cent) | 91.9 |

| Survey population | | | |
|--|------|--|------|
| Average household size | 5.4 | Percentage of population living in | |
| Percentage of population: | | - Urban areas | 36.6 |
| - under 5 years | 17.2 | - Rural areas | 63.4 |
| - under 18 years | 52.8 | Percentage of population by Geopolitical zone | |
| Percentage of population by sex: | | - North Central | 16.0 |
| - Male | 49.5 | - North East | 16.5 |
| - Female | 50.5 | - North West | 26.9 |
| Percentage of women age 15-49 years with at least one live birth in the last 2 years | 33.6 | - South East | 9.2 |
| | | - South-South | 12.6 |
| | | - South West | 18.7 |

| Housing characteristics | |
|---|------|
| Percentage of households with | |
| - Electricity | 54.4 |
| - Finished floor | 68.6 |
| - Finished roofing | 82.6 |
| - Finished walls | 64.3 |
| Mean number of persons per room used for sleeping | 2.6 |

| Household or personal assets | |
|---|------|
| Percentage of households that own | |
| - A television | 47.0 |
| - A refrigerator | 21.7 |
| - Agricultural land | 63.2 |
| - Farm animals/livestock | 49.1 |
| Percentage of households where at least a member has or owns a | |
| - Mobile phone | 74.4 |
| - Car or truck | 11.1 |

Summary Table of Findings¹

Multiple Indicator Cluster Survey (MICS), Millennium Development Goals (MDG) Indicators, Nigeria 2016-17

| CHILD MORTALITY | | | | |
|----------------------------------|------------------|------------------------------|--|-----|
| Early childhood mortality | | | | |
| MICS Indicator | Indicator | Description | Value^a | |
| 1.1 | SDG 3.2.2 | Neonatal mortality rate | Probability of dying within the first month of life | 39 |
| 1.2 | MDG 4.2 | Infant mortality rate | Probability of dying between birth and the first birthday | 70 |
| 1.3 | | Post-neonatal mortality rate | Difference between infant and neonatal mortality rates | 31 |
| 1.4 | | Child mortality rate | Probability of dying between the first and the fifth birthdays | 54 |
| 1.5 | SDG 3.2.1 | Under-five mortality rate | Probability of dying between birth and the fifth birthday | 120 |

^a Indicator values are per 1,000 live births and refer to the 5-year period preceding the survey.

| NUTRITION | | | | |
|---|------------------|---|---|------|
| Nutritional status | | | | |
| MICS Indicator | Indicator | Description | Value | |
| 2.1a | MDG 1.8 | Underweight prevalence | Percentage of children under age 5 who fall below | |
| 2.1b | | (a) Moderate and severe | (a) minus two standard deviations (moderate and severe) | 31.5 |
| | | (b) Severe | (b) minus three standard deviations (severe) | 11.5 |
| | | | of the median weight for age of the WHO standard | |
| 2.2a | SDG 2.2.1 | Stunting prevalence | Percentage of children under age 5 who fall below | |
| 2.2b | | (a) Moderate and severe | (a) minus two standard deviations (moderate and severe) | 43.6 |
| | | (b) Severe | (b) minus three standard deviations (severe) | 22.8 |
| | | | of the median height for age of the WHO standard | |
| 2.3a | SDG 2.2.2 | Wasting prevalence | Percentage of children under age 5 who fall below | |
| 2.3b | | (a) Moderate and severe | (a) minus two standard deviations (moderate and severe) | 10.8 |
| | | (b) Severe | (b) minus three standard deviations (severe) | 2.9 |
| | | | of the median weight for height of the WHO standard | |
| 2.4 | SDG 2.2.2 | Overweight prevalence | Percentage of children under age 5 who are above two standard | 1.5 |
| | | | deviations of the median weight for height of the WHO standard | |
| Breastfeeding and infant feeding | | | | |
| 2.5 | | Children ever breastfed | Percentage of women with a live birth in the last 2 years who | 95.0 |
| | | | breastfed their last live-born child at any time | |
| 2.6 | | Early initiation of breastfeeding | Percentage of women with a live birth in the last 2 years who put | 32.8 |
| | | | their last newborn to the breast within one hour of birth | |
| 2.7 | | Exclusive breastfeeding under 6 months | Percentage of infants under 6 months of age who are exclusively | 23.7 |
| | | | breastfed | |
| 2.8 | | Predominant breastfeeding under 6 months | Percentage of infants under 6 months of age who received | 54.0 |
| | | | breast milk as the predominant source of nourishment during | |
| | | | the previous day | |
| 2.9 | | Continued breastfeeding at 1 year | Percentage of children age 12-15 months who received breast | 85.9 |
| | | | milk during the previous day | |
| 2.10 | | Continued breastfeeding at 2 years | Percentage of children age 20-23 months who received breast | 37.1 |
| | | | milk during the previous day | |
| 2.11 | | Median duration of breastfeeding | The age in months when 50 percent of children age 0-35 months | 19.9 |
| | | | did not receive breast milk during the previous day | |
| 2.12 | | Age-appropriate breastfeeding | Percentage of children age 0-23 months appropriately fed during | 58.2 |
| | | | the previous day | |
| 2.13 | | Introduction of solid, semi-solid or soft foods | Percentage of infants age 6-8 months who received solid, semi- | 79.0 |
| | | | solid or soft foods during the previous day | |
| 2.14 | | Milk feeding frequency for non-breastfed children | Percentage of non-breastfed children age 6-23 months who | 24.9 |
| | | | received at least 2 milk feedings during the previous day | |

¹ See Appendix E for a detailed description of MICS indicators

| | | | |
|------------------------|---------------------------|---|------|
| 2.15 | Minimum meal frequency | Percentage of children age 6-23 months who received solid, semi-solid and soft foods (plus milk feeds for non-breastfed children) the minimum number of times or more during the previous day | 42.4 |
| 2.16 | Minimum dietary diversity | Percentage of children age 6-23 months who received foods from 4 or more food groups during the previous day | 40.2 |
| 2.17a | Minimum acceptable diet | (a) Percentage of breastfed children age 6-23 months who had at least the minimum dietary diversity and the minimum meal frequency during the previous day | 16.5 |
| 2.17b | | (b) Percentage of non-breastfed children age 6-23 months who received at least 2 milk feedings and had at least the minimum dietary diversity not including milk feeds and the minimum meal frequency during the previous day | 11.0 |
| 2.18 | Bottle feeding | Percentage of children age 0-23 months who were fed with a bottle during the previous day | 20.2 |
| Salt iodization | | | |
| 2.19 | Iodized salt consumption | Percentage of households with salt testing greater than zero per million iodide/iodate | 91.4 |
| Low-birthweight | | | |
| 2.20 | Low-birthweight infants | Percentage of most recent live births in the last 2 years weighing below 2,500 grams at birth | 14.8 |
| 2.21 | Infants weighed at birth | Percentage of most recent live births in the last 2 years who were weighed at birth | 25.2 |

CHILD HEALTH

Vaccinations

| MICS Indicator | Indicator | Description | Value |
|----------------|------------------------------------|--|-------|
| 3.1 | Tuberculosis immunization coverage | Percentage of children age 12-23 months who received BCG vaccine by their first birthday | 53.0 |
| 3.2 | Polio immunization coverage | Percentage of children age 12-23 months who received the third dose of OPV vaccine (OPV3) by their first birthday | 33.0 |
| 3.3 | Pentavalent immunisation coverage | Percentage of children age 12-23 months who received the third dose of Pentavalent (DPT3) by their first birthday | 33.0 |
| 3.4 MDG 4.3 | Measles immunization coverage | Percentage of children age 12-23 months who received measles vaccine by their first birthday | 42.0 |
| 3.7 | Yellow fever immunization coverage | Percentage of children age 12-23 months who received yellow fever vaccine by their first birthday | 39.0 |
| 3.8 SDG 3.b.1 | Full immunization coverage | Percentage of children age 12-23 months who received all vaccinations recommended in the national immunization schedule by their first birthday (measles by second birthday) | 23.0 |

Tetanus toxoid

| | | | |
|-----|-----------------------------|--|------|
| 3.9 | Neonatal tetanus protection | Percentage of women age 15-49 years with a live birth in the last 2 years who were given at least two doses of tetanus toxoid vaccine within the appropriate interval prior to the most recent birth | 55.3 |
|-----|-----------------------------|--|------|

Diarrhoea

| | | | |
|------|---|---|------|
| - | Children with diarrhoea | Percentage of children under age 5 with diarrhoea in the last 2 weeks | 14.3 |
| 3.10 | Care-seeking for diarrhoea | Percentage of children under age 5 with diarrhoea in the last 2 weeks for whom advice or treatment was sought from a health facility or provider | 26.7 |
| 3.11 | Diarrhoea treatment with oral rehydration salts (ORS) and zinc | Percentage of children under age 5 with diarrhoea in the last 2 weeks who received ORS and zinc | 18.5 |
| 3.12 | Diarrhoea treatment with oral rehydration therapy (ORT) and continued feeding | Percentage of children under age 5 with diarrhoea in the last 2 weeks who received ORT (ORS packet, pre-packaged ORS fluid, recommended homemade fluid or increased fluids) and continued feeding during the episode of diarrhoea | 33.4 |

| Acute Respiratory Infection (ARI) symptoms | | | | |
|---|-----------|--|--|------|
| - | | Children with ARI symptoms | Percentage of children under age 5 with ARI symptoms in the last 2 weeks | 3.0 |
| 3.13 | | Care-seeking for children with ARI symptoms | Percentage of children under age 5 with ARI symptoms in the last 2 weeks for whom advice or treatment was sought from a health facility or provider | 23.7 |
| 3.14 | | Antibiotic treatment for children with ARI symptoms | Percentage of children under age 5 with ARI symptoms in the last 2 weeks who received antibiotics | 22.5 |
| Solid fuel use | | | | |
| 3.15 | SDG 7.1.2 | Use of solid fuels for cooking | Percentage of household members in households that use solid fuels as the primary source of domestic energy to cook | 80.6 |
| Malaria / Fever | | | | |
| MICS Indicator | Indicator | Description | Value | |
| - | | Children with fever | Percentage of children under age 5 with fever in the last 2 weeks | 25.4 |
| 3.16a | | Household availability of insecticide-treated nets (ITNs) | (a) at least one ITN | 64.5 |
| 3.16b | | | (b) at least one ITN for every two people | 31.7 |
| 3.18 | MDG 6.7 | Children under age 5 who slept under an ITN | Percentage of children under age 5 who slept under an ITN the previous night | 49.1 |
| 3.19 | | Population that slept under an ITN | Percentage of household members who slept under an ITN the previous night | 40.9 |
| 3.20 | | Care-seeking for fever | Percentage of children under age 5 with fever in the last 2 weeks for whom advice or treatment was sought from a health facility or provider | 63.4 |
| 3.21 | | Malaria diagnostics usage | Percentage of children under age 5 with fever in the last 2 weeks who had a finger or heel stick for malaria testing | 13.8 |
| 3.22 | MDG 6.8 | Anti-malarial treatment of children under age 5 | Percentage of children under age 5 with fever in the last 2 weeks who received any antimalarial treatment | 36.8 |
| 3.23 | | Treatment with Artemisinin-based Combination Therapy (ACT) among children who received anti-malarial treatment | Percentage of children under age 5 with fever in the last 2 weeks who received ACT (or other first-line treatment according to national policy) among children who received anti-malarial treatment | 20.6 |
| 3.24 | | Pregnant women who slept under an ITN | Percentage of pregnant women who slept under an ITN the previous night | 39.6 |
| 3.25 | | Intermittent preventive treatment for malaria during pregnancy | Percentage of women age 15-49 years who received three or more doses of SP/Fansidar, at least one of which was received during an ANC visit, to prevent malaria during their last pregnancy that led to a live birth in the last 2 years | 14.9 |

| WATER AND SANITATION | | | | |
|-----------------------------|----------------------|---|---|------|
| MICS Indicator | Indicator | Description | Value | |
| 4.1 | SDG 6.1.1 | Use of improved drinking water sources | Percentage of household members using improved sources of drinking water | 64.1 |
| 4.2 | | Water treatment | Percentage of household members in households using unimproved drinking water who use an appropriate treatment method | 2.3 |
| 4.3 | MDG 7.9 SDG 1.4.1 | Use of improved sanitation | Percentage of household members using improved sanitation facilities which are not shared | 35.9 |
| 4.4 | SDG 6.2.1 | Safe disposal of child's faeces | Percentage of children age 0-2 years whose last stools were disposed of safely | 58.1 |
| 4.5 | SDG 6.1.2 | Place for handwashing | Percentage of households with a specific place for hand washing where water and soap or other cleansing agent are present | 12.4 |
| 4.6 | | Availability of soap or other cleansing agent | Percentage of households with soap or other cleansing agent | 42.0 |
| 4.S1 | | Quality of drinking water at the households | Percentage of household members drinking water contaminated by <i>E. coli</i> in the drinking water of the household | 90.8 |

WATER AND SANITATION

| MICS Indicator | Indicator | Description | Value |
|----------------|--|--|-------|
| 4.S2 | Quality at the source of household drinking water | Percentage of household members drinking water contaminated by <i>E. Coli</i> at the source of drinking water | 77.3 |
| 4.S3 | SDG 6.1.1 Use of safely managed drinking water sources | Percentage of household members with an improved drinking water source located on premises, free of <i>E. coli</i> and available when needed | 3.7 |

REPRODUCTIVE HEALTH

Contraception and unmet need

| MICS Indicator | Indicator | Description | Value |
|----------------|---------------------------------------|---|-------|
| - | Total fertility rate | Total fertility rate for women age 15-49 years | 5.8 |
| 5.1 | SDG 3.7.2 Adolescent birth rate | Age-specific fertility rate for women age 15-19 years | 120 |
| 5.2 | Early childbearing | Percentage of women age 20-24 years who had at least one live birth before age 18 | 30.8 |
| 5.3 | MDG 5.3 Contraceptive prevalence rate | Percentage of women age 15-49 years currently married or in union who are using (or whose partner is using) a (modern or traditional) contraceptive method | 13.4 |
| 5.4 | SDG 3.7.1 Unmet need | Percentage of women age 15-49 years who are currently married or in union who are fecund and want to space their births or limit the number of children they have and who are not currently using contraception | 27.6 |

Maternal and newborn health

| | | | | |
|------|-----------|-------------------------------|--|------|
| 5.5a | MDG 5.5 | Antenatal care coverage | Percentage of women age 15-49 years with a live birth in the last 2 years who were attended during their last pregnancy that led to a live birth (a) at least once by skilled health personnel (b) at least four times by any provider | 65.8 |
| 5.5b | MDG 5.5 | | | 49.1 |
| 5.6 | | Content of antenatal care | Percentage of women age 15-49 years with a live birth in the last 2 years who had their blood pressure measured and gave urine and blood samples during the last pregnancy that led to a live birth | 53.6 |
| 5.7 | SDG 3.1.2 | Skilled attendant at delivery | Percentage of women age 15-49 years with a live birth in the last 2 years who were attended by skilled health personnel during their most recent live birth | 43.0 |
| 5.8 | | Institutional deliveries | Percentage of women age 15-49 years with a live birth in the last 2 years whose most recent live birth was delivered in a health facility | 37.5 |
| 5.9 | | Caesarean section | Percentage of women age 15-49 years whose most recent live birth in the last 2 years was delivered by caesarean section | 2.8 |

Post-natal health checks

| | | | | |
|------|--|---|--|------|
| 5.10 | | Post-partum stay in health facility | Percentage of women age 15-49 years who stayed in the health facility for 12 hours or more after the delivery of their most recent live birth in the last 2 years | 50.5 |
| 5.11 | | Post-natal health check for the newborn | Percentage of last live births in the last 2 years who received a health check while in facility or at home following delivery, or a post-natal care visit within 2 days after delivery | 37.1 |
| 5.12 | | Post-natal health check for the mother | Percentage of women age 15-49 years who received a health check while in facility or at home following delivery, or a post-natal care visit within 2 days after delivery of their most recent live birth in the last 2 years | 37.1 |

CHILD DEVELOPMENT

| MICS Indicator | Indicator | Description | Value |
|----------------|--|---|-------|
| 6.1 | Attendance to early childhood education | Percentage of children age 36-59 months who are attending an early childhood education programme | 35.6 |
| 6.2 | Support for learning | Percentage of children age 36-59 months with whom an adult has engaged in four or more activities to promote learning and school readiness in the last 3 days | 62.8 |
| 6.3 | Father's support for learning | Percentage of children age 36-59 months whose biological father has engaged in four or more activities to promote learning and school readiness in the last 3 days | 10.8 |
| 6.4 | Mother's support for learning | Percentage of children age 36-59 months whose biological mother has engaged in four or more activities to promote learning and school readiness in the last 3 days | 28.1 |
| 6.5 | Availability of children's books | Percentage of children under age 5 who have three or more children's books | 5.6 |
| 6.6 | Availability of playthings | Percentage of children under age 5 who play with two or more types of playthings | 45.7 |
| 6.7 | Inadequate care | Percentage of children under age 5 left alone or in the care of another child younger than 10 years of age for more than one hour at least once in the last week | 31.7 |
| 6.8 | SDG 4.2.1 Early child development index | Percentage of children age 36-59 months who are developmentally on track in at least three of the following four domains: literacy-numeracy, physical, social-emotional, and learning | 61.2 |

LITERACY AND EDUCATION

| MICS Indicator | Indicator | Description | Value |
|----------------|--|--|--------------|
| 7.1 | MDG 2.3 Literacy rate among young people | Percentage of young people age 15-24 years who are able to read a short simple statement about everyday life or who attended secondary or higher education (a) women (b) men | 59.3 70.9 |
| 7.2 | School readiness | Percentage of children in first grade of primary school who attended pre-school during the previous school year | 39.2 |
| 7.3 | Net intake rate in primary education | Percentage of children of school-entry age who enter the first grade of primary school | 39.4 |
| 7.4 | SDG 4.1.2 Primary school net attendance ratio (adjusted) | Percentage of children of primary school age currently attending primary or secondary school | 60.9 |
| 7.5 | SDG 4.1.1 Secondary school net attendance ratio (adjusted) | Percentage of children of secondary school age currently attending secondary school or higher | 46.9 |
| 7.6 | MDG 2.2 Children reaching last grade of primary | Percentage of children entering the first grade of primary school who eventually reach last grade | 94.1 |
| 7.7 | Primary completion rate | Number of children attending the last grade of primary school (excluding repeaters) divided by number of children of primary school completion age (age appropriate to final grade of primary school) | 63.0 |
| 7.8 | Transition rate to secondary school | Number of children attending the last grade of primary school during the previous school year who are in the first grade of secondary school during the current school year divided by number of children attending the last grade of primary school during the previous school year | 49.0 |
| 7.9 | SDG 4.5.1 Gender parity index (primary school) | Primary school net attendance ratio (adjusted) for girls divided by primary school net attendance ratio (adjusted) for boys | 0.95 |
| 7.10 | MDG 3.1 SDG 4.5.1 Gender parity index (secondary school) | Secondary school net attendance ratio (adjusted) for girls divided by secondary school net attendance ratio (adjusted) for boys | 0.97 |

CHILD PROTECTION

Birth registration

| MICS Indicator | Indicator | Description | Value |
|----------------|--------------------|---|-------|
| 8.1 SDG 16.9.1 | Birth registration | Percentage of children under age 5 whose births are reported registered | 46.8 |

Child labour

| | | | |
|---------------|--------------|--|------|
| 8.2 SDG 8.7.1 | Child labour | Percentage of children age 5-17 years who are involved in child labour | 50.8 |
|---------------|--------------|--|------|

Child discipline

| | | | |
|----------------|--------------------|---|------|
| 8.3 SDG 16.2.1 | Violent discipline | Percentage of children age 1-14 years who experienced psychological aggression or physical punishment during the last one month | 84.9 |
|----------------|--------------------|---|------|

Early marriage and polygyny

| | | | |
|---------------|--|--|--------------|
| 8.4 SDG 5.3.1 | Marriage before age 15 | Percentage of people age 15-49 years who were first married or in union before age 15 (a) Women (b) Men | 18.5 2.2 |
| 8.5 SDG 5.3.1 | Marriage before age 18 | Percentage of people age 20-49 years who were first married or in union before age 18 (a) Women (b) Men | 44.1 6.0 |
| 8.6 | Young people age 15-19 years currently married or in union | Percentage of young people age 15-19 years who are married or in union (a) Women (b) Men | 22.2 0.0 |
| 8.7 | Polygyny | Percentage of people age 15-49 years who are in a polygynous union (a) Women (b) Men | 36.9 18.7 |
| 8.8a 8.8b | Spousal age difference | Percentage of young women who are married or in union and whose spouse is 10 or more years older, (a) among women age 15-19 years, (b) among women age 20-24 years | 47.6 45.2 |

Female genital mutilation/cutting

| | | | |
|----------------|--|---|------|
| 8.9 | Approval for female genital mutilation/cutting (FGM/C) | Percentage of women age 15-49 years who state that FGM/C should be continued | 21.6 |
| 8.10 SDG 5.3.2 | Prevalence of FGM/C among women | Percentage of women age 15-49 years who report to have undergone any form of FGM/C | 18.4 |
| 8.11 | Prevalence of FGM/C among girls | Percentage of daughters age 0-14 years who have undergone any form of FGM/C, as reported by mothers age 15-49 years | 25.3 |

Attitudes towards domestic violence

| | | | |
|------|-------------------------------------|--|--------------|
| 8.12 | Attitudes towards domestic violence | Percentage of people age 15-49 years who state that a husband is justified in hitting or beating his wife in at least one of the following circumstances: (1) she goes out without telling him, (2) she neglects the children, (3) she argues with him, (4) she refuses sex with him, (5) she burns the food (a) Women (b) Men | 33.7 21.5 |
|------|-------------------------------------|--|--------------|

Children's living arrangements

| | | | |
|------|--|---|-----|
| 8.13 | Children's living arrangements | Percentage of children age 0-17 years living with neither biological parent | 7.5 |
| 8.14 | Prevalence of children with one or both parents dead | Percentage of children age 0-17 years with one or both biological parents dead | 6.9 |
| 8.15 | Children with at least one parent living abroad | Percentage of children 0-17 years with at least one biological parent living abroad | 0.1 |

HIV/AIDS AND SEXUAL BEHAVIOUR

HIV/AIDS knowledge and attitudes

| MICS Indicator | Indicator | Description | Value |
|----------------|---|---|--------------|
| - | Have heard of AIDS | Percentage of people age 15-49 years who have heard of AIDS (a) Women (b) Men | 83.4 92.8 |
| 9.1 | MDG 6.3 Knowledge about HIV prevention among young people | Percentage of young people age 15-24 years who correctly identify ways of preventing the sexual transmission of HIV, and who reject major misconceptions about HIV transmission (a) Women (b) Men | 29.3 27.9 |
| 9.2 | Knowledge of mother-to-child transmission of HIV | Percentage of people age 15-49 years who correctly identify all three means of mother-to-child transmission of HIV (a) Women (b) Men | 50.7 45.0 |
| 9.3 | Accepting attitudes towards people living with HIV | Percentage of people age 15-49 years expressing accepting attitudes on all four questions toward people living with HIV (a) Women (b) Men | 8.3 14.3 |

HIV testing

| | | | |
|-----|--|--|--------------|
| 9.4 | People who know where to be tested for HIV | Percentage of people age 15-49 years who state knowledge of a place to be tested for HIV (a) Women (b) Men | 60.4 70.8 |
| 9.5 | People who have been tested for HIV and know the results | Percentage of people age 15-49 years who have been tested for HIV in the last 12 months and who know their results (a) Women (b) Men | 15.1 15.1 |
| 9.6 | Sexually active young people who have been tested for HIV and know the results | Percentage of young people age 15-24 years who have had sex in the last 12 months, who have been tested for HIV in the last 12 months and who know their results (a) Women (b) Men | 16.7 17.2 |
| 9.7 | HIV counselling during antenatal care | Percentage of women age 15-49 years who had a live birth in the last 2 years and received antenatal care during the pregnancy of their most recent birth, reporting that they received counselling on HIV during antenatal care | 41.0 |
| 9.8 | HIV testing during antenatal care | Percentage of women age 15-49 years who had a live birth in the last 2 years and received antenatal care during the pregnancy of their most recent birth, reporting that they were offered and accepted an HIV test during antenatal care and received their results | 34.7 |

Sexual behaviour

| | | | |
|------|--------------------------------------|--|--------------|
| 9.9 | Young people who have never had sex | Percentage of never married young people age 15-24 years who have never had sex (a) Women (b) Men | 74.8 78.4 |
| 9.10 | Sex before age 15 among young people | Percentage of young people age 15-24 years who had sexual intercourse before age 15 (a) Women (b) Men | 15.1 4.1 |
| 9.11 | Age-mixing among sexual partners | Percentage of women age 15-24 years who had sex in the last 12 months with a partner who was 10 or more years older | 41.2 |
| 9.12 | Multiple sexual partnerships | Percentage of people age 15-49 years who had sexual intercourse with more than one partner in the last 12 months (a) Women (b) Men | 2.0 11.2 |

| | | | | |
|--------------------------|---------|---|---|--------------|
| 9.13 | | Condom use at last sex among people with multiple sexual partnerships | Percentage of people age 15-49 years who report having had more than one sexual partner in the last 12 months who also reported that a condom was used the last time they had sex (a) Women (b) Men | 33.3 35.3 |
| 9.14 | | Sex with non-regular partners | Percentage of sexually active young people age 15-24 years who had sex with a non-marital, non-cohabitating partner in the last 12 months (a) Women (b) Men | 12.4 17.1 |
| 9.15 | MDG 6.2 | Condom use with non-regular partners | Percentage of young people age 15-24 years reporting the use of a condom during the last sexual intercourse with a non-marital, non-cohabiting sex partner in the last 12 months (a) Women (b) Men | 46.6 61.4 |
| Orphans | | | | |
| 9.16 | MDG 6.4 | Ratio of school attendance of orphans to school attendance of non-orphans | Proportion attending school among children age 10-14 years who have lost both parents divided by proportion attending school among children age 10-14 years whose parents are alive and who are living with one or both parents | 1.01 |
| Male circumcision | | | | |
| 9.17 | | Male circumcision | Percentage of men age 15-49 years who report having been circumcised | 98.5 |

ACCESS TO MASS MEDIA AND ICT

Access to mass media

| MICS Indicator | Indicator | Description | Value |
|--|-------------------------------|---|--------------|
| 10.1 | Exposure to mass media | Percentage of people age 15-49 years who, at least once a week, read a newspaper or magazine, listen to the radio, and watch television (a) Women (b) Men | 5.5 18.5 |
| Use of information/communication technology | | | |
| 10.2 | Use of computers | Percentage of young people age 15-24 years who used a computer during the last 12 months (a) Women (b) Men | 13.4 20.6 |
| 10.3 | S.D.G. 17.8.1 Use of internet | Percentage of young people age 15-24 years who used the internet during the last 12 months (a) Women (b) Men | 17.3 32.0 |

SUBJECTIVE WELL-BEING

| MICS Indicator | Indicator | Description | Value |
|----------------|-----------------------------|---|--------------|
| 11.1 | Life satisfaction | Percentage of young people age 15-24 years who are very or somewhat satisfied with their life, overall (a) Women (b) Men | 88.5 89.6 |
| 11.2 | Happiness | Percentage of young people age 15-24 years who are very or somewhat happy (a) Women (b) Men | 91.0 90.7 |
| 11.3 | Perception of a better life | Percentage of young people age 15-24 years whose life improved during the last one year, and who expect that their life will be better after one year (a) Women (b) Men | 71.1 71.6 |

TOBACCO AND ALCOHOL USE

Tobacco use

| MICS Indicator | Indicator | Description | Value |
|-------------------|-----------------------|--|-------|
| 12.1 S.D.G. 3.a.1 | Tobacco use | Percentage of people age 15-49 years who smoked cigarettes, or used smoked or smokeless tobacco products at any time during the last one month | |
| | | (a) Women | 0.3 |
| 12.2 | Smoking before age 15 | Percentage of people age 15-49 years who smoked a whole cigarette before age 15 | |
| | | (a) Women | 0.2 |
| | | (b) Men | 1.6 |

Alcohol use

| | | | |
|----------------|------------------------------|---|------|
| 12.3 SDG 3.a.1 | Use of alcohol | Percentage of people age 15-49 years who had at least one alcoholic drink at any time during the last one month | |
| | | (a) Women | 6.4 |
| | | (b) Men | 19.4 |
| 12.4 | Use of alcohol before age 15 | Percentage of people age 15-49 years who had at least one alcoholic drink before age 15 | |
| | | (a) Women | 3.3 |
| | | (b) Men | 5.5 |

Table of Contents

| | |
|--|-------|
| Summary Table of Survey Implementation and the Survey Population, Multiple Indicator Cluster Survey, Nigeria 2016-17 | iii |
| Summary Table of Findings..... | iv |
| Table of Contents | xiii |
| List of Tables | xvi |
| List of Abbreviations | xxi |
| Foreword | xxiii |
| Acknowledgements | xxiv |
| I. Introduction..... | 1 |
| <i>Background</i> | 1 |
| <i>Survey Objectives</i> | 2 |
| II. Sample and Survey Methodology..... | 3 |
| <i>Sample Design</i> | 3 |
| <i>Questionnaires</i> | 3 |
| <i>Training and Fieldwork</i> | 5 |
| <i>Data Processing</i> | 5 |
| III. Sample Coverage and the Characteristics of Households and Respondents..... | 6 |
| <i>Sample Coverage</i> | 6 |
| <i>Characteristics of Households</i> | 9 |
| <i>Housing characteristics, asset ownership, and wealth quintiles</i> | 19 |
| IV. Child Mortality..... | 26 |
| V. Nutrition..... | 30 |
| <i>Low Birth Weight</i> | 30 |
| <i>Nutritional Status</i> | 32 |
| <i>Breastfeeding and infant and Young Child Feeding</i> | 36 |
| <i>Salt Iodization</i> | 51 |
| VI. Child Health | 53 |
| <i>Vaccinations</i> | 53 |
| <i>Care of Illness</i> | 69 |
| <i>Diarrhoea</i> | 71 |
| <i>Solid Fuel Use</i> | 83 |
| <i>Malaria/Fever</i> | 88 |

| | | |
|-------|--|-----|
| VII. | Water and Sanitation..... | 109 |
| | <i>Use of Improved Water Sources</i> | 109 |
| | <i>Use of Improved Sanitation</i> | 120 |
| | <i>Handwashing</i> | 129 |
| | <i>Safely managed drinking water services</i> | 134 |
| VIII. | Reproductive Health..... | 140 |
| | <i>Fertility</i> | 140 |
| | <i>Contraception</i> | 146 |
| | <i>Unmet Need</i> | 149 |
| | <i>Assistance at Delivery</i> | 158 |
| | <i>Place of Delivery</i> | 162 |
| | <i>Post-natal Health Checks</i> | 164 |
| | <i>Post-natal Health Checks</i> | 166 |
| IX. | Early Childhood Development | 182 |
| | <i>Early Childhood Education</i> | 182 |
| | <i>Quality of Care</i> | 184 |
| | <i>Developmental Status of Children</i> | 191 |
| X. | Literacy and Education..... | 193 |
| | <i>Literacy among Young Women and Men</i> | 193 |
| | <i>School Readiness</i> | 197 |
| | <i>Primary and Secondary School Participation</i> | 199 |
| XI. | Child Protection | 217 |
| | <i>Birth Registration</i> | 217 |
| | <i>Child Labour</i> | 219 |
| | <i>Child Discipline</i> | 225 |
| | <i>Early Marriage and Polygyny</i> | 229 |
| | <i>Female Genital Mutilation/Cutting</i> | 236 |
| | <i>Attitudes toward Domestic Violence</i> | 242 |
| | <i>Children’s Living Arrangements</i> | 246 |
| XII. | HIV/AIDS and Sexual Behaviour | 250 |
| | <i>Knowledge about HIV Transmission and Misconceptions about HIV</i> | 250 |
| | <i>Accepting Attitudes toward People Living with HIV</i> | 258 |
| | <i>Knowledge of a Place for HIV Testing, Counselling and Testing during Antenatal Care</i> | 262 |
| | <i>Sexual Behaviour Related to HIV Transmission</i> | 268 |
| | <i>HIV Indicators for Young Women and Young Men</i> | 272 |
| | <i>Orphans</i> | 288 |
| | <i>Male circumcision</i> | 289 |

| | | |
|-------------|--|-----|
| XIII. | Access to Mass Media and Use of Information/Communication Technology | 294 |
| | <i>Access to Mass Media</i> | 294 |
| | <i>Use of Information/Communication Technology</i> | 298 |
| XIV. | Subjective well-being..... | 302 |
| XV. | Tobacco and Alcohol Use | 318 |
| Appendix A. | Sample Design | 329 |
| | <i>Sample Size and Sample Allocation</i> | 329 |
| | <i>Sampling Frame and Selection of Clusters</i> | 330 |
| | <i>Listing Activities</i> | 330 |
| | <i>Calculation of Sample Weights</i> | 331 |
| Appendix B. | List of Personnel Involved in the Survey..... | 337 |
| Appendix C. | Estimates of Sampling Errors..... | 347 |
| Appendix D. | Data Quality Tables | 389 |
| Appendix E. | Nigeria, 2016-17 Indicators: Numerators and Denominators | 409 |
| Appendix F. | Questionnaires..... | 421 |

List of Tables

| | |
|---|----|
| Table HH.1: Results of household, women's, men's and under-5 interviews | 7 |
| Table HH.2: Age distribution of household population by sex | 9 |
| Table HH.3: Household composition..... | 10 |
| Table HH.4: Women's background characteristics | 12 |
| Table HH.4M: Men's background characteristics..... | 15 |
| Table HH.5: Under-5's background characteristics | 17 |
| Table HH.6: Housing characteristics | 19 |
| Table HH.7: Household and personal assets..... | 21 |
| Table HH.8: Wealth quintiles | 24 |
| Table CM.1: Early childhood mortality rates | 26 |
| Table CM.2: Early childhood mortality rates by socio-economic characteristics | 27 |
| Table CM.3: Early childhood mortality rates by demographic characteristics..... | 29 |
| Table NU.1: Low birth weight infants | 30 |
| Table NU.2: Nutritional status of children..... | 33 |
| Table NU.3: Initial breastfeeding..... | 37 |
| Table NU.4: Breastfeeding | 39 |
| Table NU.5: Duration of breastfeeding..... | 40 |
| Table NU.6: Age-appropriate breastfeeding..... | 42 |
| Table NU.7: Introduction of solid, semi-solid, or soft foods..... | 44 |
| Table NU.8: Infant and young child feeding (IYCF) practices | 45 |
| Table NU.9: Bottle feeding..... | 49 |
| Table NU.10: Iodized salt consumption | 51 |
| Table CH.1: Vaccinations in the first years of life..... | 54 |
| Table CH.2A (MICS/NICS): Percentage of children 12-23 months with any evidence of vaccination | 55 |
| Table CH.2A (MICS/NICS): Percentage of children 12-23 months with any evidence of vaccination (continued)..... | 56 |
| Table CH.2B (MICS/NICS): Percentage of children 12-23 months with evidence of valid dose vaccination | 57 |
| Table CH.2C (MICS/NICS): Percentage of children 12-23 months who received first dose in a multi-dose sequence but failed to receive the final dose, | 59 |
| Table CH.2D (MICS/NICS): Timeliness of vaccination for children 12-23 months, | 61 |
| Table CH.2E MICS/NICS: Missed opportunities for vaccination (MOV) 12-23 months..... | 63 |
| Table CH.2F MICS/NICS: Places Children Receive Vaccines | 65 |
| Table CH.3: Neonatal tetanus protection..... | 67 |
| Table CH.4: Reported disease episodes..... | 69 |
| Table CH.5: Care-seeking during diarrhea | 71 |
| Table CH.6: Feeding practices during diarrhea | 72 |
| Table CH.7: Oral rehydration solutions, recommended homemade fluids, and zinc | 73 |
| Table CH.8: Oral rehydration therapy with continued feeding and other treatments | 74 |
| Table CH.9: Source of ORS and zinc | 75 |
| Table CH.10: Care-seeking for and antibiotic treatment of symptoms of acute respiratory infection (ARI)..... | 77 |
| Table CH.12: Solid fuel use..... | 83 |
| Table CH.13: Solid fuel use by place of cooking | 86 |
| Table CH.14: Household availability of insecticide treated nets and protection by a vector control method..... | 88 |
| Table CH.15: Access to an insecticide treated net (ITN) - number of household members..... | 89 |
| Table CH.16: Access to an insecticide treated net (ITN) - background characteristics..... | 89 |
| Table CH.17: Use of ITNs | 91 |
| Table CH.18: Children sleeping under mosquito nets | 93 |

| | |
|---|-----|
| Table CH.19: Use of mosquito nets by the household population..... | 95 |
| Table CH.20: Care-seeking during fever | 97 |
| | 99 |
| Table CH.22: Diagnostics and anti-malarial treatment of children | 101 |
| Table CH.23: Source of anti-malarial | 103 |
| Table CH.24: Pregnant women sleeping under mosquito nets | 105 |
| Table CH.25: Intermittent preventive treatment for malaria..... | 107 |
| Table WS.1: Use of improved water sources..... | 109 |
| Table WS.2: Household water treatment | 113 |
| Table WS.3: Time to source of drinking water..... | 116 |
| Table WS.4: Person collecting water..... | 118 |
| Table WS.5: Types of sanitation facilities | 120 |
| Table WS.6: Use and sharing of sanitation facilities | 123 |
| Table WS.7: Drinking water and sanitation ladders | 125 |
| Table WS.8: Disposal of child's faeces..... | 127 |
| Table WS.9: Water and soap at place for handwashing..... | 129 |
| Table WS.10: Availability of soap or other cleansing agent | 132 |
| Table WQ.1: Quality of source of drinking water | 135 |
| Table WQ.2: Quality of household drinking water..... | 137 |
| Table WQ.3: Safely managed drinking water services..... | 139 |
| Table RH.1: Fertility rates | 140 |
| Table RH.2: Adolescent birth rate and total fertility rate..... | 141 |
| Table RH.3: Early childbearing | 143 |
| Table RH.4: Trends in early childbearing..... | 145 |
| Table RH.5: Use of contraception..... | 146 |
| Table RH.6: Unmet need for contraception | 149 |
| Table RH.7: Antenatal care coverage | 151 |
| Table RH.8: Number of antenatal care visits and timing of first visit | 153 |
| Table RH.9: Content of antenatal care..... | 156 |
| Table RH.10: Assistance during delivery and caesarian section | 158 |
| Table RH.11: Place of delivery..... | 162 |
| Table RH.12: Post-partum stay in health facility..... | 164 |
| Table RH.13: Post-natal health checks for newborns | 166 |
| Table RH.14: Post-natal care visits for newborns within one week of birth | 168 |
| Table RH.14A: Thermal care for newborns..... | 169 |
| Table RH.14B: Cord cutting and care..... | 171 |
| Table RH.14C: Content of postnatal care for newborns | 175 |
| Table RH.15: Post-natal health checks for mothers..... | 177 |
| Table RH.16: Post-natal care visits for mothers within one week of birth | 179 |
| Table RH.17: Post-natal health checks for mothers and newborn | 180 |
| Table CD.1: Early childhood education..... | 182 |
| Table CD.2: Support for learning | 184 |
| Table CD.3: Learning materials..... | 187 |
| Table CD.4: Inadequate care..... | 189 |
| Table CD.5: Early child development index..... | 191 |
| Table ED.1: Literacy (young women) | 193 |
| Table ED.1M: Literacy (young men)..... | 195 |
| Table ED.2: School readiness | 197 |
| Table ED.3: Primary school entry..... | 199 |
| Table ED.4: Primary school attendance and out of school children | 201 |
| Table ED.5: Secondary school attendance and out of school children | 205 |
| Table ED.6: Children reaching last grade of primary school..... | 209 |
| Table ED.7: Primary school completion and transition to secondary school | 211 |
| Table ED.8: Education gender parity..... | 213 |
| Table ED.9: Out of school gender parity | 215 |

| | |
|--|-----|
| Table CP.1: Birth registration | 217 |
| Table CP.2: Children's involvement in economic activities | 219 |
| Table CP.3: Children's involvement in household chores | 221 |
| Table CP.4: Child labour | 223 |
| Table CP.5: Child discipline | 225 |
| Table CP.6: Attitudes toward physical punishment..... | 227 |
| Table CP.7: Early marriage and polygyny (women) | 229 |
| Table CP.7M: Early marriage and polygyny (men)..... | 231 |
| Table CP.8: Trends in early marriage (women)..... | 233 |
| Table CP.8M: Trends in early marriage (men) | 233 |
| Table CP.9: Spousal age difference | 234 |
| Table CP.10: Female genital mutilation/cutting (FGM/C) among women..... | 236 |
| Table CP.11: Female genital mutilation/cutting (FGM/C) among girls | 238 |
| Table CP.12: Approval of female genital mutilation/cutting (FGM/C)..... | 240 |
| Table CP.13: Attitudes toward domestic violence (women) | 242 |
| Table CP.13M: Attitudes toward domestic violence (men)..... | 244 |
| Table CP.14: Children's living arrangements and orphanhood..... | 246 |
| Table CP.15: Children with parents living abroad..... | 248 |
| Table HA.1: Knowledge about HIV transmission, misconceptions about HIV, and comprehensive knowledge about HIV transmission (women)..... | 250 |
| Table HA.1M: Knowledge about HIV transmission, misconceptions about HIV, and comprehensive knowledge about HIV transmission (men) | 252 |
| Table HA.2: Knowledge of mother-to-child HIV transmission (women) | 254 |
| Table HA.3: Accepting attitudes toward people living with HIV (women) | 258 |
| Table HA.4: Knowledge of a place for HIV testing (women) | 262 |
| Table HA.4M: Knowledge of a place for HIV testing (men) | 264 |
| Table HA.5: HIV counselling and testing during antenatal care | 266 |
| Table HA.6: Sex with multiple partners (women)..... | 268 |
| Table HA.6M: Sex with multiple partners (men) | 270 |
| Table HA.7: Key HIV and AIDS indicators (young women)..... | 272 |
| Table HA.7M: Key HIV and AIDS indicators (young men) | 276 |
| Table HA.8: Key sexual behaviour indicators (young women)..... | 280 |
| Table HA.8M: Key sexual behaviour indicators (young men) | 284 |
| Table HA.9: School attendance of orphans and non-orphans..... | 288 |
| Table HA.10: Male circumcision..... | 289 |
| Table HA.11: Provider and location of circumcision | 291 |
| Table MT.1: Exposure to mass media (women) | 294 |
| Table MT.1M: Exposure to mass media (men) | 296 |
| Table MT.2: Use of computers and internet (women)..... | 298 |
| Table SW.1: Domains of life satisfaction (women)..... | 302 |
| Table SW.1M: Domains of life satisfaction (men) | 306 |
| Table SW.2: Overall life satisfaction and happiness (women) | 310 |
| Table SW.2M: Overall life satisfaction and happiness (men) | 312 |
| Table SW.3: Perception of a better life (women) | 314 |
| Table SW.3M: Perception of a better life (men)..... | 316 |
| Table TA.1: Current and ever use of tobacco (women)..... | 318 |
| Table TA.1M: Current and ever use of tobacco (men) | 320 |
| Table TA.2: Age at first use of cigarettes and frequency of use (women) | 322 |
| Table TA.2M: Age at first use of cigarettes and frequency of use (men)..... | 323 |
| Table TA.3: Use of alcohol (women) | 325 |
| Table TA.3M: Use of alcohol (men)..... | 327 |
| Table SE.1: Indicators selected for sampling error calculations..... | 348 |
| Table SE.2: Sampling errors: Total sample | 349 |
| Table SE.3: Sampling errors: Urban | 350 |
| Table SE.4: Sampling errors: Rural | 351 |

| | |
|---|-----|
| Table SE.5: Sampling errors: Abia | 352 |
| Table SE.6: Sampling errors: Adamawa..... | 353 |
| Table SE.7: Sampling errors: Akwa Ibom | 354 |
| Table SE.8: Sampling errors: Anambra | 355 |
| Table SE.9: Sampling errors: Bauchi..... | 356 |
| Table SE.10: Sampling errors: Bayelsa | 357 |
| Table SE.11: Sampling errors: Benue..... | 358 |
| Table SE.12: Sampling errors: Borno | 359 |
| Table SE.13: Sampling errors: Cross River | 360 |
| Table SE.14: Sampling errors: Delta | 361 |
| Table SE.15: Sampling errors: Ebonyi | 362 |
| Table SE.16: Sampling errors: Edo..... | 363 |
| Table SE.17: Sampling errors: Ekiti | 364 |
| Table SE.18: Sampling errors: Enugu..... | 365 |
| Table SE.19: Sampling errors: Gombe | 366 |
| Table SE.20: Sampling errors: Imo..... | 367 |
| Table SE.21: Sampling errors: Jigawa..... | 368 |
| Table SE.22: Sampling errors: Kaduna..... | 369 |
| Table SE.23: Sampling errors: Kano | 370 |
| Table SE.24: Sampling errors: Katsina..... | 371 |
| Table SE.25: Sampling errors: Kebbi | 372 |
| Table SE.26: Sampling errors: Kogi | 373 |
| Table SE.27: Sampling errors: Kwara | 374 |
| Table SE.28: Sampling errors: Lagos | 375 |
| Table SE.29: Sampling errors: Nasarawa | 376 |
| Table SE.30: Sampling errors: Niger | 377 |
| Table SE.31: Sampling errors: Ogun | 378 |
| Table SE.32: Sampling errors: Ondo | 379 |
| Table SE.33: Sampling errors: Osun..... | 380 |
| Table SE.34: Sampling errors: Oyo | 381 |
| Table SE.35: Sampling errors: Plateau | 382 |
| Table SE.36: Sampling errors: Rivers..... | 383 |
| Table SE.37: Sampling errors: Sokoto..... | 384 |
| Table SE.38: Sampling errors: Taraba | 385 |
| Table SE.39: Sampling errors: Yobe | 386 |
| Table SE.40: Sampling errors: Zamfara | 387 |
| Table SE.41: Sampling errors: FCT-Abuja..... | 388 |
| Table DQ.1: Age distribution of household population..... | 389 |
| Table DQ.2: Age distribution of eligible and interviewed women | 391 |
| Table DQ.3: Age distribution of eligible and interviewed men | 391 |
| Table DQ.4: Age distribution of children in household and under-5 questionnaires | 391 |
| Table DQ.5: Birth date reporting: Household population (continued) | 392 |
| Table DQ.6: Birth date and age reporting: Women | 393 |
| Table DQ.7: Birth date and age reporting: Men | 394 |
| Table DQ.8: Birth date and age reporting: Under-5 | 395 |
| Table DQ.9: Birth date reporting: Children, adolescents and young people | 396 |
| Table DQ.10: Birth date reporting: First and last births | 397 |
| Table DQ.11: Completeness of reporting | 398 |
| Table DQ.12: Completeness of information for anthropometric indicators: Underweight | 398 |
| Table DQ.13: Completeness of information for anthropometric indicators: Stunting..... | 399 |
| Table DQ.14: Completeness of information for anthropometric indicators: Wasting | 399 |
| Table DQ.15: Heaping in anthropometric measurements..... | 399 |
| Table DQ.16: Observation of birth certificates..... | 400 |
| Table DQ.17: Observation of vaccination cards | 402 |
| Table DQ.18: Observation of women's health cards..... | 403 |

| | |
|--|-----|
| Table DQ.19: Observation of bednets and places for handwashing | 404 |
| Table DQ.19A Water quality | 405 |
| Table DQ.20: Respondent to the under-5 questionnaire..... | 405 |
| Table DQ.22: School attendance by single age | 405 |
| Table DQ.23: Sex ratio at birth among children ever born and living..... | 406 |
| Table DQ.24: Births by periods preceding the survey | 406 |
| Table DQ.25: Reporting of age at death in days..... | 407 |
| Table DQ.26: Reporting of age at death in months | 408 |
| HOUSEHOLD QUESTIONNAIRE | 421 |
| HOUSEHOLD WATER QUALITY QUESTIONNAIRE | 438 |

List of Abbreviations

| | |
|--------|--|
| AIDS | Acquired Immune Deficiency Syndrome |
| ANC | Antenatal Care |
| APP | Agricultural Promotion Policy |
| BCG | Bacillus Calmette-Guérin (Tuberculosis) |
| BMGF | Bill and Melinda Gates Foundation |
| BNPC | Budget and National Planning Commission |
| CAPi | Computer Assisted Personal Interviewing |
| CBN | Central Bank of Nigeria |
| CDC | Centers for Disease Control and Prevention |
| CRC | Convention on the Rights of the Child |
| CEDAW | Convention on the Elimination of All Forms of Discrimination against Women |
| CSPro | Census and Survey Processing System |
| DFID | Department for International Development |
| DPT | Diphtheria Pertussis Tetanus |
| ECCD | Early Childhood Care and Development |
| ECDI | Early Child Development Index |
| EPI | Expanded Programme on Immunization |
| FGM/C | Female genital mutilation/cutting |
| GPI | Gender Parity Index |
| HIV | Human Immunodeficiency Virus |
| ICT | Information and Communications Technology |
| IDD | Iodine Deficiency Disorders |
| ITN | Insecticide Treated Net |
| IUD | Intrauterine Device |
| JMP | Joint Monitoring Programme |
| LAM | Lactational Amenorrhea Method |
| LLIN | Long-Lasting Insecticidal Net |
| MCV | Measles Containing Vaccines |
| MDAs | Ministries, Departments and Agencies |
| MDG | Millennium Development Goals |
| MICS | Multiple Indicator Cluster Survey |
| MICS5 | Fifth global round of Multiple Indicator Clusters Surveys programme |
| MoH | Ministry of Health |
| MOV | Missed opportunity for Vaccination |
| NACA | National Agency for the Control of AIDS |
| NAR | Net Attendance Rate |
| NBS | National Bureau of Statistics |
| NDHS | National Demographic and Health Survey |
| NGHIPS | Nigerian General Household Panel Survey |
| NISH | National Integrated Survey of Households |
| NPHCDA | National Primary Health Care Development Agency |
| NPopC | National Population Commission |
| PNC | Post-natal Care |
| Ppm | Parts Per Million |
| ORT | Oral rehydration treatment |
| SDG | Sustainable Development Goals |
| SFR | Survey Findings Report |
| SOML | Saving One Million Live |
| SPSS | Statistical Package for Social Sciences |

| | |
|--------|---|
| TFR | Total Fertility Rate |
| UNAIDS | United Nations Programme on HIV/AIDS |
| UNDP | United Nations Development Programme |
| UNFPA | United Nations Population Fund |
| UNGASS | United Nations General Assembly Special Session on HIV/AIDS |
| UNICEF | United Nations Children’s Fund |
| UNIO | United Nations and International Organizations |
| VIP | Ventilated Improved Pit |
| WB | World Bank |
| WCARO | West and Central Africa Regional Office |
| WFFC | World Fit for Children |
| WHO | World Health Organization |

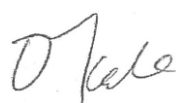
Foreword

The Nigeria Multiple Indicator Cluster Survey (MICS) 2016-17 was conducted by the National Bureau of Statistics (NBS) in collaboration with United Nations Children’s Fund (UNICEF). It is part of the global MICS exercise aimed primarily to collect data on main indicators related to survival, development and protection of children, women and men. In Nigeria, the current survey is the fifth round, having previously conducted the survey in 1995, 1999, 2007 and 2011. The survey serves as a reliable information source and a sound basis for informed decision-making for planners, policy-makers and programme implementers.

More specifically, Nigeria MICS 2016-17 collected data on indicators related to child mortality; child and maternal nutrition; child health, reproductive health; water and sanitation; child development; literacy and education; child protection; knowledge of HIV and AIDS; access to mass media and use of information and communication technology among others. The survey provides estimated disaggregation of Nigeria by states, geo political zones, sex, age, residence (urban and rural), mother’s education and wealth quintiles. For this round of Nigeria MICS, water quality testing was also included for the first time and has generated valuable data on the quality of drinking water consumed at the household level. This was done by subjecting water used in the household for cooking and drinking to microbiological parameters test. (related to E.coli and coliform).

Nigeria MICS data will aid in monitoring progress towards post Millennium Development Goals (MDGs) as well as various international agreements such as A World Fit for Children (WFFC). The survey’s findings also provide a baseline for Sustainable Development Goals (SDGs) for Nigeria. I am confident that the findings from Nigeria MICS 2016-17 will be instrumental in formulating sectoral plans and shaping policies toward the post-MDG agenda. I look forward to see the results and the dataset being used widely and effectively by the public, most especially the policy-makers, planners, researchers, development partners and Non Governmental Organizations (NGOs) to formulate and monitor programmes and strategies.

On behalf of Government of Nigeria, I would like to thank the UNICEF, WHO, UNFPA, Save One Million Lives (SOML), Bill and Melinda Gates Foundation and other development partners for their technical and financial support throughout the planning, implementation, analysis and dissemination process of Nigeria MICS 2016-17.



Dr Yemi Kale

Statistician General of the Federation

Acknowledgements

The Multiple Indicator Cluster Survey (MICS) is a primary source of information on women and children as it provides statistical indicators that are critical for the measurement of human development. It is an international household survey programme developed by United Nations Children's Fund (UNICEF). The MICS is designed to collect statistically sound and internationally comparable estimates of key indicators that are used to assess the situation of children and women in the areas of health, education, child protection and HIV/AIDS. It can also be used as a data collection tool to generate data for monitoring the progress towards national goals and global commitments which aimed at promoting the welfare of children and women such as MDGs and SDGs.

The first in the series of the Multiple Indicator Cluster Survey (MICS1) in Nigeria was conducted in 1995 by the Federal Office of Statistics (FOS), now National Bureau of Statistics (NBS), with technical and funding assistance from UNICEF. Since then, MICS has been institutionalized within the National Integrated Survey of Households (NISH) in the National Bureau of Statistics, as a process of collecting regular, reliable and timely social statistics. The second and third rounds of MICS were conducted in 1999 and 2007 respectively. The fourth round of MICS conducted in 2011 was better planned and executed than the previous rounds. The 2016-17 round (MICS5) consolidated on the achievement of MICS4 by providing data for more indicators, introduced the use of CAPI device and further raise the quality of the data collected as acknowledged by UNICEF regional and headquarters offices.

The current round of MICS has been expanded in content and scope to include questionnaires for individual men and water quality test. New modules were also introduced such as tobacco and alcohol use, life satisfaction, access to mass media and use of information and communication technology. Another innovation introduced in the MICS 2016-17 also included the pilot testing of further analysis and disaggregation of state data up to senatorial district levels (as can be seen in Lagos and Kano states) with the aim of providing data that can be used for better planning and programming at the grassroots. The climax of the new innovations was the successful combination and implementation of two National surveys (The Multiple Indicator Cluster Survey and the National Immunization Coverage Survey - MICS/NICS) jointly executed together.

Apart from MICS being a major source of data for indicators related to development and improvement of well-being of children, women and men in Nigeria, another key concern of MICS is to improve statistical systems and this is the reason why key players in the Nigeria Statistical Systems participated in the planning and execution of the MICS5.

In presenting this Survey Finding Report (SFR) of MICS5, we wish to express our gratitude and appreciation to all those who contributed directly or indirectly in designing, conducting the survey, preparing this report and releasing its results; from the staff of the National Bureau of Statistics (NBS) to the members of the National Steering and Technical Committees on MICS5 which cut across various Ministries, Departments and Agencies (MDAs), which include the National Primary Health Care Development Agency (NPHCDA), the National Agency for the Control of AIDS (NACA), the Sustainable Development Goals (SDG) Office, the National Population Commission, Central Bank of Nigeria, the Federal Ministries of Health, Budget and National Planning, Education, Water Resources, Agriculture, Women Affairs, and various Non-Government Organizations. We appreciated the sense of ownership put in the survey and for releasing their staff at various stages of training, monitoring, analysis and compilation of this report.

We are thankful to the United Nations and international organizations in Nigeria for their contributions in various stages of this project. Special thanks go to UNICEF Nigeria for spearheading the technical and financial support for MICS5. We acknowledge the technical support on Water Quality test provided by WHO/UNICEF Joint Monitoring Programme (JMP). We are also grateful to United Nations Population Fund (UNFPA), Bill and Melinda Gates Foundation, the World Bank, Kano State Government, and Saving One Million Lives (SOML) for their financial contributions to the project. The immense contributions made by UNICEF West and Central Africa Regional Office (WCARO) and UNICEF Headquarters cannot be overemphasized.

The NBS also expresses its appreciation for the support and efforts of the state governments through the Statistician Generals' of State Bureau of Statistics (SBS), Director of State Statistical Agencies (SSA) who in their capacities ensured the success of this survey in their respective states. We deeply appreciate your efforts and collaboration both with UNICEF and NBS.

I wish to appreciate the dedication of MICS implementation team in NBS for providing the logistical arrangements for the training, data collection, monitoring of the field work and for maintaining a high level of data quality control. My special thanks go to Mr. Adeyemi Adeniran (MICS5 National Coordinator) who brought his wealth of experience in conducting MICS and other household surveys to bear on this round of MICS, Tunde Adebisi (Sampling Expert), all NBS Zonal Coordinators and the remaining core members of MICS5.

Finally, I wish to acknowledge with gratitude the contributions of NBS zonal controllers, state officers, supervisors and interviewers who visited the households and of course all the respondents - their willingness to participate added value to the quality and outcome of this survey and is well recognized and appreciated.



Dr. Isiaka Olarewaju
Nigeria MICS Project Director
National Bureau of Statistics

I. Introduction

Background

This report is based on the Multiple Indicator Cluster Survey (MICS), conducted between September 2016 and January 2017 by National Bureau of Statistics (NBS), with technical and financial support from UNICEF, WHO, UNFPA, Bill and Melinda Gates Foundation, Save One Million Lives and NACA. The survey provides statistically sound and internationally comparable data essential for developing evidence-based policies and programmes, and for monitoring progress toward national goals and global commitments. Among these global commitments are those emanating from the World Fit for Children Declaration and Plan of Action, the goals of the United Nations General Assembly Special Session on HIV/AIDS, the Education for All Declaration and the Millennium/Sustainable Development Goals (MDGs/SDGs).

A Commitment to Action: National and International Reporting Responsibilities

The governments that signed the Millennium Declaration and the World Fit for Children Declaration and Plan of Action also committed themselves to monitoring progress towards the goals and objectives they contained:

“We will monitor regularly at the national level and, where appropriate, at the regional level and assess progress towards the goals and targets of the present Plan of Action at the national, regional and global levels.

Accordingly, we will strengthen our national statistical capacity to collect, analyse and disaggregate data, including by sex, age and other relevant factors that may lead to disparities, and support a wide range of child-focused research. We will enhance international cooperation to support statistical capacity-building efforts and build community capacity for monitoring, assessment and planning.” (**A World Fit for Children**, paragraph 60)

“...We will conduct periodic reviews at the national and subnational levels of progress in order to address obstacles more effectively and accelerate actions....” (**A World Fit for Children**, paragraph 61)

The Plan of Action of the World Fit for Children (paragraph 61) also calls for the specific involvement of UNICEF in the preparation of periodic progress reports:

“... As the world’s lead agency for children, the United Nations Children’s Fund is requested to continue to prepare and disseminate, in close collaboration with Governments, relevant funds, programmes and the specialized agencies of the United Nations system, and all other relevant actors, as appropriate, information on the progress made in the implementation of the Declaration and the Plan of Action.”

Similarly, the **Millennium Declaration** (paragraph 31) calls for periodic reporting on progress:

“...We request the General Assembly to review on a regular basis the progress made in implementing the provisions of this Declaration, and ask the Secretary-General to issue periodic reports for consideration by the General Assembly and as a basis for further action.”

The Federal Government of Nigeria has made several efforts directed toward the achievement of the objectives and aspirations expressed in the Sustainable Development Goals (SDGs), the World Fit for Children Goals, the UNICEF Country Programme, the Convention on the Rights of the Child (CRC) and the Convention on the Elimination of All Forms of Discrimination against Women (CEDAW), among others. The Government has in recent times launched a number of development initiatives to improve the economic and social life of its people. The Change agenda of the present Government and Vision 20: 2020 are developed to create employment, increase and stabilise electricity power supply, improve social and

economic infrastructure and provide enabling environment for local and foreign investments and to become one of the twenty leading economies in the world by year 2020. The Agricultural Promotion Policy (APP) is to rejuvenate and redirect building an agribusiness ecosystem that will take Nigeria out of food importation and able to earn significant foreign exchange from agriculture.

The National Bureau of Statistics (NBS) with strong financial and technical support from International Development partners and donors like UNICEF, UNFPA and DFID among others has been involved in National effort to achieve the goals through provision of relevant data to monitor, evaluate and advise necessary adjustment in development programmes. The Nigeria Multiple Indicator Cluster Survey 2016-17 has been designed to measure achievements of MDGs and provide baseline for SDGs. More specifically, MICS 2016-17 will assist UNICEF in monitoring and evaluating its country programmes including those on child survival, development, protection and rights of children, women and men.

Survey Objectives

The primary objectives of Multiple Indicator Cluster Survey (MICS) Nigeria 2016-17 are:

- To provide up-to-date information for assessing the situation of children and women in Nigeria;
- To generate data for the critical assessment of the progress made in various programme areas, and to identify areas that require more attention;
- To contribute to the generation of baseline data for the SDG;
- To furnish data needed for monitoring progress toward goals established in the post Millennium Declaration and other internationally agreed goals, as a basis for future action;
- To provide disaggregated data to identify disparities among various groups to enable evidence based actions aimed at social inclusion of the most vulnerable;

II. Sample and Survey Methodology

Sample Design

The sample for the Nigeria MICS 2016-17 was designed to provide estimates for a large number of indicators on the situation of children and women at the national, rural/urban, states as well as the 6 geopolitical zones of Nigeria. The states within each zone were identified as the main sampling Strata while the Enumeration Areas (EAs) within each state were identified as the Primary Sampling Units (PSUs). The EAs for the survey were selected from the National Integrated Survey of Households round 2 (NISH2) master sample, based on a list of EAs prepared for the 2006 Population Census. Two stage sampling was conducted with the first stage being the selection of EAs within the strata while the second stage was the selection of households within each EAs.

Within each state, 60 EAs were selected systematically from the NISH2 master sample, apart from Lagos and Kano states where 120 EAs (respectively) were sampled. The larger sample size for Lagos and Kano states was based on requests by the respective State governments to have sufficient sample to enable disaggregation of indicators at senatorial district level. After a household listing was carried out within the selected EAs, a systematic sample of sixteen (16) households was drawn in each sample EA. The sample was stratified by state and is not self-weighting. For reporting of results, sample weights were applied. Out of 2340 EAs selected for coverage, 2,239 were listed and covered during the fieldwork period. A total of 101 EAs could not be enumerated because they were inaccessible due to insecurity especially in Borno, Yobe and Adamawa states. A more detailed description of the sample design can be found in Appendix A,

The Nigeria MICS 2016-17 was implemented jointly with the National Immunisation Coverage Survey (NICS) which was designed to provide estimates of vaccine coverage for the country. However, the sample size for MICS 2016-17 was not sufficient to estimate state level vaccination coverage for children aged 12 to 23 months in twenty states, namely: Abia, Akwa ibom, Anambra, Bayelsa, Benue, Cross River, Delta, Edo, Ekiti, Enugu, Imo, Kogi, Kwara, Ogun, Ondo, Osun, Oyo, Plateau, Rivers and FCT (Abuja). Consequently, supplemental sampling was conducted to meet the requirements for vaccine coverage estimation, in these twenty states.

Questionnaires

Four sets of questionnaires were used in the MICS 2016-17:

1. Household questionnaire - used to collect basic demographic information on all the household members (usual residents) and household characteristics;
2. Individual women questionnaire - administered in each household to all women age 15-49 years;
3. Individual men questionnaire - administered to all men age 15-49 years in every other (one in every two) households;
4. Under-5 children questionnaire - administered to mothers or caretakers of all children under 5 years of age² living in sampled households.

The Household Questionnaire included the following modules:

²The terms "children under 5", "children age 0-4 years", and "children age 0-59 months" are used interchangeably in this report.

- Household Information Panel
- List of Household Members
- Education
- Child Labour
- Child Discipline
- Household Characteristics
- Insecticide Treated Nets
- Water and Sanitation
- Handwashing
- Salt Iodization
- Water Quality Test

Individual Women questionnaire included the following modules:

- Woman Information Panel
- Woman's Background
- Access to Mass Media and Use of Information/Communication Technology
- Fertility/Birth History
- Desire for Last Birth
- Maternal and Newborn Health
- Post-natal Health Checks
- Illness Symptoms
- Use of Contraception
- Unmet Need for Contraception
- Female Genital Mutilation/Cutting
- Attitudes Toward Domestic Violence
- Marriage/Union
- Sexual Behaviour
- HIV/AIDS
- Tobacco and Alcohol Use
- Life Satisfaction

Individual Men questionnaire included the following modules:

- Man Information Panel
- Man's Background
- Access to Mass Media and Use of Information/Communication Technology
- Fertility
- Attitudes Toward Domestic Violence
- Marriage/Union
- Sexual Behaviour
- HIV/AIDS
- Circumcision
- Tobacco and Alcohol Use
- Life Satisfaction

Under 5 Children questionnaire included the following modules:

- Under Five Information Panel
- Age
- Birth Registration
- Early Childhood Development
- Breastfeeding and Dietary Intake
- Immunization
- Care of Illness
- Anthropometry

The questionnaires are based on the MICS5 questionnaire³ model (English version), customised and pre-tested in Cross River, Enugu, Gombe, Lagos, Kaduna, Kano, Nasarawa and Oyo states in April, 2016. Based on the results of the pre-test, modifications were made to the wording of the questionnaires. A copy of the Nigeria MICS questionnaires is provided in Appendix F.

In addition to the administration of questionnaires, salt iodization and water quality tests were conducted. Weight and height of children age under 5 years were also measured.. Details of the tests and measurements are provided in the respective sections of the report.

³The model MICS5 questionnaires can be found at <http://mics.unicef.org/tools#survey-design>.

Training and Fieldwork

Training for the fieldwork was conducted for thirty-one (31) days in August 2016. Training included lectures on interviewing techniques and contents of the questionnaires. Mock interviews among trainees were also conducted to gain practice in asking questions. Towards the end of the training period, trainees spent 2 days in field practice in purposively selected residential areas in 2 communities in each of the 6 training locations in Keffi (Nasarawa state), Gombe (Gombe state), Kano (Kano state), Enugu (Enugu state), Ikeja (Lagos state) and Calabar (Cross River state).

The data were collected by 78 teams; each team comprised four interviewers, one driver, one measurer and a supervisor. Fieldwork began in September, 2016 and concluded in January 2017.

Using Computer Assisted Personal Interviewing (CAPI), the data were electronically captured from the field and transmitted to a central server, using CPro CAPI application, Version 5.0. Being the first time of using CAPI, the programme was pretested to know the effectiveness and efficiency of the device. Using CAPI to captured data helps in reducing error associated with paper questionnaire such as omission and skipping errors.

Data Processing

Data were analysed using the Statistical Package for Social Scientists (SPSS) software, Version 21. Model syntax and tabulation plans developed by UNICEF MICS team were customized and used for this purpose.

III. Sample Coverage and the Characteristics of Households and Respondents

Sample Coverage

Out of 37,440 households sampled, 35,747 households were visited, 34,289 were found to be occupied and 33,901 were successfully interviewed, representing a household response rate of 98.9 percent.

In the interviewed households, 36,176 women (age 15-49 years) were identified. Of these, 34,376 were successfully interviewed, yielding a response rate of 95.0 percent within the interviewed households.

The survey also sampled men (age 15-49), but required only a subsample. All men (age 15-49) were identified in 17,868 households selected for the men questionnaire; 16,514 men (age 15-49 years) were listed in the household questionnaires. Questionnaires were completed for 15,183 eligible men, which corresponds to a response rate of 91.9 percent within eligible interviewed households.

There were 28,578 children under age five listed in the household questionnaires. Questionnaires were completed for 28,085 of these children, which corresponds to a response rate of 98.3 percent within interviewed households.

Overall response rates of 93.9, 90.9 and 97.2 are calculated for the individual interviews of women, men, and under-5s, respectively (Table HH.1).

Table HH.1: Results of household, women's, men's and under-5 interviews

Number of households, women, men, and children under 5 by interview results, and household, women's, men's and under-5's response rates, Nigeria, 2016-17

| | Total | Residence | | Geopolitical zone | | | | | |
|---------------------------------|--------|-----------|--------|-------------------|------------|------------|------------|-------------|------------|
| | | Urban | Rural | North Central | North East | North West | South East | South South | South West |
| Households | | | | | | | | | |
| Sampled | 37,440 | 12,240 | 25,200 | 6,720 | 5,760 | 7,680 | 4,800 | 5,760 | 6,720 |
| Actual Coverage | 35,747 | 11,991 | 23,756 | 6,552 | 4,620 | 7,586 | 4,752 | 5,626 | 6,611 |
| Occupied | 34,289 | 11,311 | 22,978 | 6,318 | 4,447 | 7,424 | 4,593 | 5,387 | 6,120 |
| Interviewed | 33,901 | 11,104 | 22,797 | 6,244 | 4,396 | 7,395 | 4,524 | 5,354 | 5,988 |
| Household response rate | 98.9 | 98.2 | 99.2 | 98.8 | 98.9 | 99.6 | 98.5 | 99.4 | 97.8 |
| Women | | | | | | | | | |
| Eligible | 36,176 | 11,689 | 24,487 | 7,462 | 5,469 | 9,765 | 3,753 | 4,918 | 4,809 |
| Interviewed | 34,376 | 10,965 | 23,411 | 7,013 | 5,223 | 9,376 | 3,645 | 4,728 | 4,391 |
| Women's response rate | 95.0 | 93.8 | 95.6 | 94.0 | 95.5 | 96.0 | 97.1 | 96.1 | 91.3 |
| Women's overall response rate | 93.9 | 92.1 | 94.9 | 92.9 | 94.4 | 95.6 | 95.7 | 95.5 | 89.3 |
| Men | | | | | | | | | |
| Eligible | 16,514 | 5,450 | 11,064 | 3,468 | 2,559 | 4,356 | 1,568 | 2,253 | 2,310 |
| Interviewed | 15,183 | 4,890 | 10,293 | 3,184 | 2,452 | 3,935 | 1,481 | 2,173 | 1,958 |
| Men's response rate | 91.9 | 89.7 | 93.0 | 91.8 | 95.8 | 90.3 | 94.5 | 96.4 | 84.8 |
| Men's overall response rate | 90.9 | 88.1 | 92.3 | 90.7 | 94.7 | 90.0 | 93.0 | 95.9 | 82.9 |
| Children under 5 | | | | | | | | | |
| Eligible | 28,578 | 7,612 | 20,966 | 5,474 | 4,855 | 9,662 | 2,399 | 3,187 | 3,001 |
| Mothers/caretakers interviewed | 28,085 | 7,471 | 20,614 | 5,347 | 4,733 | 9,519 | 2,383 | 3,172 | 2,931 |
| Under-5's response rate | 98.3 | 98.1 | 98.3 | 97.7 | 97.5 | 98.5 | 99.3 | 99.5 | 97.7 |
| Under-5's overall response rate | 97.2 | 96.4 | 97.5 | 96.5 | 96.4 | 98.1 | 97.8 | 98.9 | 95.6 |

Table HH.1: Results of household, women's, men's and under-5 interviews (continued)

Number of households, women, men, and children under 5 by interview results, and household, women's, men's and under-5's response rates, Nigeria, 2016-17

| State | Households | | | | Women | | | | Men | | | | Children under 5 | | | | |
|-------------|------------|-----------------|----------|-------------|-------------------------|----------|-------------|-----------------------|-------------------------------|----------|-------------|---------------------|-----------------------------|----------|---------------------------------|-------------------------|---------------------------------|
| | Sampled | Actual coverage | Occupied | Interviewed | Household response rate | Eligible | Interviewed | Women's response rate | Women's overall response rate | Eligible | Interviewed | Men's response rate | Men's overall response rate | Eligible | Mothers/ca retakers interviewed | Under-5's response rate | Under-5's overall response rate |
| Abia | 960 | 960 | 921 | 899 | 97.6 | 700 | 663 | 94.7 | 92.5 | 309 | 271 | 87.7 | 85.6 | 459 | 453 | 98.7 | 96.3 |
| Adamawa | 960 | 845 | 832 | 823 | 98.9 | 1,007 | 972 | 96.5 | 95.5 | 493 | 480 | 97.4 | 96.3 | 764 | 741 | 97.0 | 95.9 |
| Akwa Ibom | 960 | 959 | 952 | 950 | 99.8 | 1,026 | 1,007 | 98.1 | 97.9 | 464 | 451 | 97.2 | 97.0 | 756 | 756 | 100.0 | 99.8 |
| Anambra | 960 | 960 | 920 | 898 | 97.6 | 812 | 783 | 96.4 | 94.1 | 332 | 314 | 94.6 | 92.3 | 509 | 504 | 99.0 | 96.6 |
| Bauchi | 960 | 959 | 952 | 952 | 100.0 | 1,193 | 1,183 | 99.2 | 99.2 | 536 | 529 | 98.7 | 98.7 | 1,172 | 1,168 | 99.7 | 99.7 |
| Bayelsa | 960 | 936 | 881 | 878 | 99.7 | 816 | 769 | 94.2 | 93.9 | 345 | 330 | 95.7 | 95.3 | 556 | 552 | 99.3 | 98.9 |
| Benue | 960 | 924 | 898 | 889 | 99.0 | 946 | 878 | 92.8 | 91.9 | 445 | 402 | 90.3 | 89.4 | 682 | 667 | 97.8 | 96.8 |
| Borno | 960 | 304 | 292 | 289 | 99.0 | 425 | 412 | 96.9 | 95.9 | 180 | 177 | 98.3 | 97.3 | 390 | 385 | 98.7 | 97.7 |
| Cross River | 960 | 928 | 866 | 861 | 99.4 | 802 | 750 | 93.5 | 93.0 | 325 | 304 | 93.5 | 93.0 | 495 | 492 | 99.4 | 98.8 |
| Delta | 960 | 928 | 871 | 859 | 98.6 | 731 | 695 | 95.1 | 93.8 | 323 | 296 | 91.6 | 90.4 | 539 | 534 | 99.1 | 97.7 |
| Ebonyi | 960 | 944 | 932 | 932 | 100.0 | 781 | 772 | 98.8 | 98.8 | 295 | 294 | 99.7 | 99.7 | 540 | 540 | 100.0 | 100.0 |
| Edo | 960 | 959 | 951 | 948 | 99.7 | 775 | 762 | 98.3 | 98.0 | 363 | 363 | 100.0 | 99.7 | 443 | 443 | 100.0 | 99.7 |
| Ekiti | 960 | 944 | 849 | 842 | 99.2 | 552 | 497 | 90.0 | 89.3 | 260 | 211 | 81.2 | 80.5 | 324 | 311 | 96.0 | 95.2 |
| Enugu | 960 | 944 | 899 | 888 | 98.8 | 744 | 722 | 97.0 | 95.9 | 285 | 271 | 95.1 | 93.9 | 417 | 415 | 99.5 | 98.3 |
| Gombe | 960 | 944 | 903 | 890 | 98.6 | 1,030 | 975 | 94.7 | 93.3 | 510 | 497 | 97.5 | 96.0 | 971 | 949 | 97.7 | 96.3 |
| Imo | 960 | 944 | 921 | 907 | 98.5 | 716 | 705 | 98.5 | 97.0 | 347 | 331 | 95.4 | 93.9 | 474 | 471 | 99.4 | 97.9 |
| Jigawa | 960 | 957 | 936 | 931 | 99.5 | 1,176 | 1,122 | 95.4 | 94.9 | 510 | 483 | 94.7 | 94.2 | 1,268 | 1,228 | 96.8 | 96.3 |
| Kaduna | 960 | 938 | 903 | 897 | 99.3 | 1,247 | 1,146 | 91.9 | 91.3 | 582 | 512 | 88.0 | 87.4 | 953 | 935 | 98.1 | 97.5 |
| Kano | 1,920 | 1,920 | 1,876 | 1,867 | 99.5 | 2,576 | 2,500 | 97.0 | 96.6 | 1,201 | 1,099 | 91.5 | 91.1 | 2,574 | 2,559 | 99.4 | 98.9 |
| Katsina | 960 | 958 | 949 | 949 | 100.0 | 1,192 | 1,174 | 98.5 | 98.5 | 517 | 506 | 97.9 | 97.9 | 1,268 | 1,256 | 99.1 | 99.1 |
| Kebbi | 960 | 944 | 922 | 920 | 99.8 | 1,176 | 1,136 | 96.6 | 96.4 | 564 | 522 | 92.6 | 92.4 | 1,133 | 1,120 | 98.9 | 98.6 |
| Kogi | 960 | 944 | 919 | 910 | 99.0 | 960 | 912 | 95.0 | 94.1 | 410 | 393 | 95.9 | 94.9 | 561 | 553 | 98.6 | 97.6 |
| Kwara | 960 | 922 | 888 | 872 | 98.2 | 747 | 686 | 91.8 | 90.2 | 384 | 371 | 96.6 | 94.9 | 545 | 521 | 95.6 | 93.9 |
| Lagos | 1,920 | 1,856 | 1,754 | 1,681 | 95.8 | 1,584 | 1,491 | 94.1 | 90.2 | 784 | 707 | 90.2 | 86.4 | 943 | 930 | 98.6 | 94.5 |
| Nasarawa | 960 | 928 | 888 | 878 | 98.9 | 1,155 | 1,094 | 94.7 | 93.7 | 550 | 498 | 90.5 | 89.5 | 924 | 907 | 98.2 | 97.1 |
| Niger | 960 | 960 | 912 | 898 | 98.5 | 1,225 | 1,150 | 93.9 | 92.4 | 560 | 504 | 90.0 | 88.6 | 1,050 | 1,022 | 97.3 | 95.8 |
| Ogun | 960 | 947 | 826 | 802 | 97.1 | 678 | 603 | 88.9 | 86.4 | 306 | 253 | 82.7 | 80.3 | 424 | 414 | 97.6 | 94.8 |
| Ondo | 960 | 960 | 940 | 937 | 99.7 | 657 | 650 | 98.9 | 98.6 | 305 | 293 | 96.1 | 95.8 | 444 | 440 | 99.1 | 98.8 |
| Osun | 960 | 944 | 856 | 839 | 98.0 | 630 | 541 | 85.9 | 84.2 | 301 | 216 | 71.8 | 70.3 | 347 | 331 | 95.4 | 93.5 |
| Oyo | 960 | 960 | 895 | 887 | 99.1 | 708 | 609 | 86.0 | 85.2 | 354 | 278 | 78.5 | 77.8 | 519 | 505 | 97.3 | 96.4 |
| Plateau | 960 | 928 | 892 | 883 | 99.0 | 1,172 | 1,110 | 94.7 | 93.8 | 558 | 526 | 94.3 | 93.3 | 941 | 932 | 99.0 | 98.0 |
| Rivers | 960 | 916 | 866 | 858 | 99.1 | 768 | 745 | 97.0 | 96.1 | 433 | 429 | 99.1 | 98.2 | 398 | 395 | 99.2 | 98.3 |
| Sokoto | 960 | 957 | 931 | 928 | 99.7 | 1,142 | 1,101 | 96.4 | 96.1 | 469 | 352 | 75.1 | 74.8 | 1,230 | 1,213 | 98.6 | 98.3 |
| Taraba | 960 | 848 | 766 | 745 | 97.3 | 881 | 782 | 88.8 | 86.3 | 398 | 353 | 88.7 | 86.3 | 641 | 593 | 92.5 | 90.0 |
| Yobe | 960 | 720 | 702 | 697 | 99.3 | 933 | 899 | 96.4 | 95.7 | 442 | 416 | 94.1 | 93.4 | 917 | 897 | 97.8 | 97.1 |
| Zamfara | 960 | 912 | 907 | 903 | 99.6 | 1,256 | 1,197 | 95.3 | 94.9 | 513 | 461 | 89.9 | 89.5 | 1,236 | 1,208 | 97.7 | 97.3 |
| FCT Abuja | 960 | 946 | 921 | 914 | 99.2 | 1,257 | 1,183 | 94.1 | 93.4 | 561 | 490 | 87.3 | 86.7 | 771 | 745 | 96.6 | 95.9 |

Characteristics of Households

The weighted age and sex distribution of the survey population is provided in Table HH.2. In the households successfully interviewed in the survey, a weighted total of 182,165 household members were listed. Of these, 90,172 were males, and 91,993 were females.

Table HH.2: Age distribution of household population by sex

Percent and frequency distribution of the household population by five-year age groups, dependency age groups, and by child (age 0-17 years) and adult populations (age 18 or more), by sex, Nigeria, 2016-17

| | Total | | Males | | Females | |
|------------------------------------|----------------|--------------|---------------|--------------|---------------|--------------|
| | Number | Percent | Number | Percent | Number | Percent |
| Total | 182,165 | 100.0 | 90,172 | 100.0 | 91,993 | 100.0 |
| Age (Years) | | | | | | |
| 0-4 | 31,299 | 17.2 | 15,822 | 17.5 | 15,476 | 16.8 |
| 5-9 | 29,627 | 16.3 | 15,051 | 16.7 | 14,575 | 15.8 |
| 10-14 | 24,773 | 13.6 | 12,292 | 13.6 | 12,481 | 13.6 |
| 15-19 | 16,075 | 8.8 | 8,398 | 9.3 | 7,677 | 8.3 |
| 20-24 | 12,294 | 6.7 | 5,752 | 6.4 | 6,542 | 7.1 |
| 25-29 | 11,438 | 6.3 | 4,942 | 5.5 | 6,496 | 7.1 |
| 30-34 | 10,734 | 5.9 | 4,824 | 5.3 | 5,911 | 6.4 |
| 35-39 | 9,038 | 5.0 | 4,308 | 4.8 | 4,730 | 5.1 |
| 40-44 | 7,935 | 4.4 | 3,986 | 4.4 | 3,949 | 4.3 |
| 45-49 | 5,970 | 3.3 | 3,174 | 3.5 | 2,796 | 3.0 |
| 50-54 | 7,224 | 4.0 | 3,016 | 3.3 | 4,207 | 4.6 |
| 55-59 | 4,289 | 2.4 | 2,177 | 2.4 | 2,111 | 2.3 |
| 60-64 | 3,883 | 2.1 | 2,110 | 2.3 | 1,773 | 1.9 |
| 65-69 | 2,296 | 1.3 | 1,316 | 1.5 | 980 | 1.1 |
| 70-74 | 2,193 | 1.2 | 1,292 | 1.4 | 901 | 1.0 |
| 75-79 | 1,066 | 0.6 | 613 | 0.7 | 453 | 0.5 |
| 80-84 | 961 | 0.5 | 538 | 0.6 | 423 | 0.5 |
| 85+ | 680 | 0.4 | 352 | 0.4 | 327 | 0.4 |
| Missing | 392 | 0.2 | 208 | 0.2 | 184 | 0.2 |
| Dependency age groups | | | | | | |
| 0-14 | 85,698 | 47.0 | 43,166 | 47.9 | 42,533 | 46.2 |
| 15-64 | 88,880 | 48.8 | 42,687 | 47.3 | 46,193 | 50.2 |
| 65+ | 7,194 | 3.9 | 4,111 | 4.6 | 3,083 | 3.4 |
| Missing | 392 | 0.2 | 208 | 0.2 | 184 | 0.2 |
| Child and adult populations | | | | | | |
| Children age 0-17 years | 96,192 | 52.8 | 48,746 | 54.1 | 47,446 | 51.6 |
| Adults age 18+ years | 85,581 | 47.0 | 41,218 | 45.7 | 44,363 | 48.2 |
| Missing | 392 | 0.2 | 208 | 0.2 | 184 | 0.2 |

Both unweighted and weighted numbers are presented. Such information is essential for the interpretation of findings presented later in the report and provide background information on the representativeness of the survey sample. The remaining tables in this report are presented only with weighted numbers.⁴

Table HH.3 provides basic background information on the households, including the sex of the household head, state, geopolitical zone, residence, number of household members, education of household head, and ethnicity⁵ of the household head are shown in the table. These background characteristics are used in subsequent tables in this report; the figures in the table are also intended to show the numbers of observations by major categories of analysis in the report.

⁴ See Appendix A: Sample Design, for more details on sample weights.

⁵ These questions are used for the construction of this background variable; typical questions asked in MICS surveys are mother tongue, ethnic background and/or religion.

Table HH.3: Household composition

Percent and frequency distribution of households by selected characteristics, Nigeria, 2016-17

| | Weighted percent | Number of households | |
|------------------------------------|------------------|----------------------|---------------|
| | | Weighted | Unweighted |
| Total | 100 | 33,901 | 33,901 |
| Geopolitical zone | | | |
| North Central | 16.0 | 5,435 | 6,244 |
| North East | 16.5 | 5,581 | 4,396 |
| North West | 26.9 | 9,128 | 7,395 |
| South East | 9.2 | 3,132 | 4,524 |
| South South | 12.6 | 4,281 | 5,354 |
| South West | 18.7 | 6,344 | 5,988 |
| Sex of household head | | | |
| Male | 85.0 | 28,829 | 27,982 |
| Female | 15.0 | 5,072 | 5,919 |
| Residence | | | |
| Urban | 36.6 | 12,421 | 11,104 |
| Rural | 63.4 | 21,480 | 22,797 |
| Number of household members | | | |
| 1 | 10.7 | 3,634 | 4,180 |
| 2 | 9.5 | 3,220 | 3,583 |
| 3 | 12.5 | 4,244 | 4,433 |
| 4 | 13.6 | 4,620 | 4,536 |
| 5 | 12.8 | 4,328 | 4,326 |
| 6 | 11.3 | 3,816 | 3,828 |
| 7 | 8.6 | 2,932 | 2,764 |
| 8 | 5.9 | 2,004 | 1,876 |
| 9 | 4.2 | 1,435 | 1,282 |
| 10+ | 10.8 | 3,666 | 3,093 |
| Education of household head | | | |
| None | 22.0 | 7,443 | 7,658 |
| Non-formal | 15.5 | 5,269 | 4,175 |
| Primary | 19.3 | 6,558 | 7,252 |
| Secondary / Secondary-technical | 26.7 | 9,047 | 9,257 |
| Higher | 16.3 | 5,526 | 5,496 |
| Missing | 0.2 | 58 | 63 |
| Ethnicity of household head | | | |
| Hausa | 39.6 | 13,433 | 10,948 |
| Igbo | 13.1 | 4,436 | 5,764 |
| Yoruba | 17.3 | 5,873 | 5,886 |
| Other ethnic group | 30.0 | 10,159 | 11,303 |
| Mean household size | 5.4 | 33,901 | 33,901 |

Table HH.3: Household composition (continued)

Percent and frequency distribution of households by selected characteristics, Nigeria, 2016-17

| | Weighted percent | Number of households | |
|--------------|------------------|----------------------|---------------|
| | | Weighted | Unweighted |
| Total | 100.0 | 33,901 | 33,901 |
| State | | | |
| Abia | 1.4 | 472 | 899 |
| Adamawa | 2.2 | 735 | 823 |
| Akwa Ibom | 2.5 | 844 | 950 |
| Anambra | 2.1 | 719 | 898 |
| Bauchi | 4.1 | 1,384 | 952 |
| Bayelsa | 0.9 | 308 | 878 |
| Benue | 2.9 | 987 | 889 |
| Borno | 4.4 | 1,493 | 289 |
| Cross River | 2.3 | 778 | 861 |
| Delta | 2.2 | 740 | 859 |
| Ebonyi | 1.6 | 535 | 932 |
| Edo | 1.9 | 654 | 948 |
| Ekiti | 1.0 | 351 | 842 |
| Enugu | 1.8 | 610 | 888 |
| Gombe | 1.6 | 529 | 890 |
| Imo | 2.3 | 796 | 907 |
| Jigawa | 3.4 | 1,147 | 931 |
| Kaduna | 4.9 | 1,646 | 897 |
| Kano | 5.6 | 1,894 | 1,867 |
| Katsina | 5.0 | 1,705 | 949 |
| Kebbi | 2.5 | 838 | 920 |
| Kogi | 1.9 | 649 | 910 |
| Kwara | 1.9 | 639 | 872 |
| Lagos | 5.8 | 1,974 | 1,681 |
| Nasarawa | 1.9 | 630 | 878 |
| Niger | 3.6 | 1,211 | 898 |
| Ogun | 1.8 | 608 | 802 |
| Ondo | 3.0 | 1,025 | 937 |
| Osun | 2.7 | 916 | 839 |
| Oyo | 4.3 | 1,470 | 887 |
| Plateau | 3.1 | 1,051 | 883 |
| Rivers | 2.8 | 957 | 858 |
| Sokoto | 2.4 | 820 | 928 |
| Taraba | 1.6 | 527 | 745 |
| Yobe | 2.7 | 914 | 697 |
| Zamfara | 3.2 | 1,078 | 903 |
| FCT Abuja | 0.8 | 270 | 914 |

Table HH.4: Women's background characteristics

Percent and frequency distribution of women age 15-49 years by selected background characteristics, Nigeria, 2016-17

| | Weighted percent | Number of women | |
|-------------------------------------|------------------|-----------------|---------------|
| | | Weighted | Unweighted |
| Total | 100.0 | 34,376 | 34,376 |
| Geopolitical zone | | | |
| North Central | 17.5 | 6,006 | 7,013 |
| North East | 19.2 | 6,584 | 5,223 |
| North West | 31.8 | 10,932 | 9,376 |
| South East | 7.1 | 2,445 | 3,645 |
| South South | 10.7 | 3,668 | 4,728 |
| South West | 13.8 | 4,741 | 4,391 |
| Residence | | | |
| Urban | 36.0 | 12,373 | 10,965 |
| Rural | 64.0 | 22,003 | 23,411 |
| Age (Years) | | | |
| 15-19 | 19.8 | 6,822 | 6,805 |
| 20-24 | 16.9 | 5,816 | 5,721 |
| 25-29 | 17.2 | 5,915 | 5,933 |
| 30-34 | 15.7 | 5,390 | 5,296 |
| 35-39 | 12.6 | 4,339 | 4,391 |
| 40-44 | 10.4 | 3,571 | 3,605 |
| 45-49 | 7.3 | 2,524 | 2,625 |
| Marital/Union status | | | |
| Currently married/in union | 71.0 | 24,373 | 23,891 |
| Widowed | 1.9 | 638 | 648 |
| Divorced | 1.0 | 356 | 295 |
| Separated | 1.1 | 375 | 476 |
| Never married/in union | 24.8 | 8,520 | 8,938 |
| Motherhood and recent births | | | |
| Never gave birth | 28.3 | 9,717 | 10,025 |
| Ever gave birth | 71.7 | | |
| Gave birth in last two years | 33.6 | 11,547 | 11,204 |
| No birth in last two years | 38.1 | 13,084 | 13,121 |
| Education | | | |
| None | 22.7 | 7,799 | 7,255 |
| Non-formal | 16.4 | 5,646 | 4,800 |
| Primary | 14.4 | 4,963 | 5,213 |
| Secondary | 36.3 | 12,466 | 13,452 |
| Higher | 10.2 | 3,502 | 3,656 |
| Wealth index quintile | | | |
| Poorest | 17.8 | 6,120 | 5,855 |
| Second | 18.8 | 6,478 | 6,646 |
| Middle | 19.5 | 6,708 | 6,812 |
| Fourth | 20.5 | 7,053 | 7,178 |
| Richest | 23.3 | 8,017 | 7,885 |
| Ethnicity of household head | | | |
| Hausa | 46.3 | 15,920 | 13,525 |
| Igbo | 10.3 | 3,558 | 4,781 |
| Yoruba | 12.7 | 4,380 | 4,303 |
| Other ethnic group | 30.6 | 10,518 | 11,767 |

Table HH.4: Women's background characteristics (continued)

Percent and frequency distribution of women age 15-49 years by selected background characteristics, Nigeria, 2016-17

| | Weighted percent | Number of women | |
|--------------|------------------|-----------------|---------------|
| | | Weighted | Unweighted |
| Total | 100.0 | 34,376 | 34,376 |
| State | | | |
| Abia | 1.0 | 336 | 663 |
| Adamawa | 2.4 | 830 | 972 |
| Akwa Ibom | 2.4 | 834 | 1,007 |
| Anambra | 1.8 | 608 | 783 |
| Bauchi | 4.5 | 1,559 | 1,183 |
| Bayelsa | 0.8 | 260 | 769 |
| Benue | 2.8 | 956 | 878 |
| Borno | 5.8 | 1,984 | 412 |
| Cross River | 2.0 | 693 | 750 |
| Delta | 1.7 | 584 | 695 |
| Ebonyi | 1.2 | 400 | 772 |
| Edo | 1.4 | 494 | 762 |
| Ekiti | 0.6 | 216 | 497 |
| Enugu | 1.4 | 495 | 722 |
| Gombe | 1.6 | 562 | 975 |
| Imo | 1.8 | 606 | 705 |
| Jigawa | 3.8 | 1,313 | 1,122 |
| Kaduna | 6.0 | 2,076 | 1,146 |
| Kano | 6.9 | 2,389 | 2,500 |
| Katsina | 5.7 | 1,950 | 1,174 |
| Kebbi | 2.8 | 956 | 1,136 |
| Kogi | 1.8 | 632 | 912 |
| Kwara | 1.4 | 487 | 686 |
| Lagos | 5.0 | 1,725 | 1,491 |
| Nasarawa | 2.1 | 738 | 1,094 |
| Niger | 4.5 | 1,536 | 1,150 |
| Ogun | 1.4 | 474 | 603 |
| Ondo | 1.9 | 646 | 650 |
| Osun | 1.9 | 638 | 541 |
| Oyo | 3.0 | 1,042 | 609 |
| Plateau | 3.8 | 1,317 | 1,110 |
| Rivers | 2.3 | 803 | 745 |
| Sokoto | 2.7 | 912 | 1,101 |
| Taraba | 1.6 | 558 | 782 |
| Yobe | 3.2 | 1,091 | 899 |
| Zamfara | 3.9 | 1,337 | 1,197 |
| FCT Abuja | 1.0 | 340 | 1,183 |

The table includes information on the distribution of women/men, children under 5 according to state, geopolitical zone, residence, age, marital/union status, motherhood status, births in last two years, education⁶, wealth index quintiles⁷, and ethnicity of the household head.

⁶ Throughout this report, unless otherwise stated, "education" refers to highest educational level ever attended by the respondent when it is used as a background variable.

⁷ The wealth index is a composite indicator of wealth. To construct the wealth index, principal components analysis is

performed by using information on the ownership of consumer goods, dwelling characteristics, water and sanitation, and other characteristics that are related to the household's wealth. To generate weights (factor scores) for each of the items used, initial factor scores are calculated for the total sample. Then, separate factor scores are calculated for households in urban and rural areas. Finally, the urban and rural factor scores are regressed on the initial factor scores to obtain the combined final factor scores for the total sample. This is carried out to minimize the urban bias in the wealth index values. Each household in the total sample is then assigned a wealth score based on the assets owned by that household and on the final factor scores obtained as described above. The survey household population is then ranked according to the wealth score of the household they are living in, and is finally divided into 5 equal parts (quintiles) from lowest (poorest) to highest (richest).

In Nigeria MICS 2016-17, the following assets were used in these calculations: Type of floor, roof, wall, fuel used by household for cooking, household assets, source and location of drinking water and sanitation facility.

The wealth index is assumed to capture the underlying long-term wealth through information on the household assets, and is intended to produce a ranking of households by wealth, from poorest to richest. The wealth index does not provide information on absolute poverty, current income or expenditure levels.

Table HH.4M: Men's background characteristics

Percent and frequency distribution of men age 15-49 years by selected background characteristics, Nigeria, 2016-17

| | Weighted percent | Number of men | |
|------------------------------------|------------------|---------------|---------------|
| | | Weighted | Unweighted |
| Total | 100.0 | 15,183 | 15,183 |
| Geopolitical zone | | | |
| North Central | 18.0 | 2,730 | 3,184 |
| North East | 19.4 | 2,943 | 2,452 |
| North West | 30.8 | 4,674 | 3,935 |
| South East | 6.5 | 984 | 1,481 |
| South South | 11.0 | 1,664 | 2,173 |
| South West | 14.4 | 2,189 | 1,958 |
| Residence | | | |
| Urban | 37.1 | 5,627 | 4,890 |
| Rural | 62.9 | 9,556 | 10,293 |
| Age (Years) | | | |
| 15-19 | 23.1 | 3,508 | 3,590 |
| 20-24 | 15.7 | 2,378 | 2,378 |
| 25-29 | 14.4 | 2,191 | 2,149 |
| 30-34 | 13.7 | 2,078 | 2,076 |
| 35-39 | 12.8 | 1,936 | 1,938 |
| 40-44 | 11.4 | 1,724 | 1,729 |
| 45-49 | 9.0 | 1,368 | 1,323 |
| Marital/Union status | | | |
| Currently married/in union | 47.5 | 7,213 | 7,164 |
| Widowed | 0.2 | 35 | 34 |
| Divorced | 0.3 | 44 | 39 |
| Separated | 0.8 | 114 | 141 |
| Never married/in union | 51.1 | 7,749 | 7,781 |
| Fatherhood status | | | |
| Has at least one living child | 46.0 | 6,977 | 6,942 |
| Has no living children | 53.7 | 8,154 | 8,201 |
| Education | | | |
| None | 10.3 | 1,563 | 1,526 |
| Non-formal | 14.1 | 2,140 | 1,681 |
| Primary | 13.2 | 1,997 | 2,090 |
| Secondary | 45.2 | 6,861 | 7,319 |
| Higher | 17.3 | 2,622 | 2,567 |
| Wealth index quintile | | | |
| Poorest | 17.2 | 2,614 | 2,481 |
| Second | 19.1 | 2,901 | 2,963 |
| Middle | 19.3 | 2,927 | 3,000 |
| Fourth | 21.1 | 3,202 | 3,276 |
| Richest | 23.3 | 3,539 | 3,463 |
| Ethnicity of household head | | | |
| Hausa | 45.8 | 6,958 | 5,910 |
| Igbo | 9.8 | 1,488 | 1,966 |
| Yoruba | 13.0 | 1,980 | 1,915 |
| Other ethnic group | 31.3 | 4,757 | 5,392 |

Table HH.4M: Men's background characteristics (continued)

Percent and frequency distribution of men age 15-49 years by selected background characteristics, Nigeria, 2016-17

| | Weighted percent | Number of men | |
|--------------|------------------|---------------|---------------|
| | | weighted | unweighted |
| Total | 100.0 | 15,183 | 15,183 |
| State | | | |
| Abia | 0.9 | 142 | 271 |
| Adamawa | 2.6 | 389 | 480 |
| Akwa Ibom | 2.4 | 365 | 451 |
| Anambra | 1.6 | 241 | 314 |
| Bauchi | 4.5 | 681 | 529 |
| Bayelsa | 0.8 | 121 | 330 |
| Benue | 3.2 | 481 | 402 |
| Borno | 5.4 | 813 | 177 |
| Cross River | 1.8 | 275 | 304 |
| Delta | 1.7 | 258 | 296 |
| Ebonyi | 1.0 | 152 | 294 |
| Edo | 1.4 | 209 | 363 |
| Ekiti | 0.6 | 96 | 211 |
| Enugu | 1.3 | 190 | 271 |
| Gombe | 1.8 | 268 | 497 |
| Imo | 1.7 | 260 | 331 |
| Jigawa | 3.5 | 534 | 483 |
| Kaduna | 5.9 | 898 | 512 |
| Kano | 6.8 | 1,028 | 1,099 |
| Katsina | 5.4 | 816 | 506 |
| Kebbi | 2.8 | 426 | 522 |
| Kogi | 1.8 | 275 | 393 |
| Kwara | 1.5 | 232 | 371 |
| Lagos | 5.3 | 808 | 707 |
| Nasarawa | 2.3 | 352 | 498 |
| Niger | 4.2 | 645 | 504 |
| Ogun | 1.4 | 206 | 253 |
| Ondo | 1.9 | 293 | 293 |
| Osun | 2.0 | 296 | 216 |
| Oyo | 3.2 | 490 | 278 |
| Plateau | 4.0 | 606 | 526 |
| Rivers | 2.9 | 436 | 429 |
| Sokoto | 2.4 | 358 | 352 |
| Taraba | 1.7 | 256 | 353 |
| Yobe | 3.5 | 537 | 416 |
| Zamfara | 4.0 | 613 | 461 |
| FCT Abuja | 0.9 | 139 | 490 |

Table HH.5: Under-5's background characteristics

Percent and frequency distribution of children under five years of age by selected characteristics, Nigeria, 2016-17

| | Weighted percent | Number of under-5 children | |
|--|------------------|----------------------------|---------------|
| | | Weighted | Unweighted |
| Total | 100.0 | 28,085 | 28,085 |
| Geopolitical zone | | | |
| North Central | 16.4 | 4,616 | 5,347 |
| North East | 21.5 | 6,041 | 4,733 |
| North West | 37.9 | 10,635 | 9,519 |
| South East | 5.5 | 1,550 | 2,383 |
| South South | 8.1 | 2,273 | 3,172 |
| South West | 10.6 | 2,968 | 2,931 |
| Sex | | | |
| Male | 50.6 | 14,213 | 14,222 |
| Female | 49.4 | 13,872 | 13,863 |
| Residence | | | |
| Urban | 30.5 | 8,553 | 7,471 |
| Rural | 69.5 | 19,532 | 20,614 |
| Age (Months) | | | |
| 0-5 | 9.7 | 2,723 | 2,748 |
| 6-11 | 9.4 | 2,640 | 2,697 |
| 12-23 | 19.7 | 5,535 | 5,522 |
| 24-35 | 19.6 | 5,514 | 5,470 |
| 36-47 | 20.7 | 5,818 | 5,925 |
| 48-59 | 20.9 | 5,856 | 5,723 |
| Respondent to the under-5 questionnaire | | | |
| Mother | 95.5 | 26,829 | 26,759 |
| Other primary caretaker | 4.5 | 1,256 | 1,326 |
| Mother's education^a | | | |
| None | 29.0 | 8,134 | 7,672 |
| Non-formal | 22.1 | 6,196 | 5,507 |
| Primary | 15.4 | 4,330 | 4,661 |
| Secondary | 25.8 | 7,245 | 8,005 |
| Higher | 7.8 | 2,178 | 2,237 |
| Wealth index quintile | | | |
| Poorest | 22.7 | 6,369 | 6,277 |
| Second | 21.4 | 6,018 | 6,222 |
| Middle | 19.8 | 5,549 | 5,412 |
| Fourth | 18.4 | 5,156 | 5,221 |
| Richest | 17.8 | 4,993 | 4,953 |
| Ethnicity of household head | | | |
| Hausa | 55.5 | 15,592 | 13,549 |
| Igbo | 8.2 | 2,310 | 3,189 |
| Yoruba | 9.4 | 2,640 | 2,769 |
| Other ethnic group | 26.9 | 7,543 | 8,578 |

^a In this table and throughout the report, mother's education refers to educational attainment of mothers as well as caretakers of children under 5, who are the respondents to the under-5 questionnaire if the mother is deceased or is living elsewhere.

Table HH.5: Under-5's background characteristics (continued)

Percent and frequency distribution of children under five years of age by selected characteristics, Nigeria, 2016-17

| | Weighted percent | Number of under-5 children | |
|--------------|------------------|----------------------------|---------------|
| | | Weighted | Unweighted |
| Total | 100.0 | 28,085 | 28,085 |
| State | | | |
| Abia | 0.8 | 224 | 453 |
| Adamawa | 2.2 | 624 | 741 |
| Akwa Ibom | 2.1 | 600 | 756 |
| Anambra | 1.4 | 383 | 504 |
| Bauchi | 5.4 | 1,524 | 1,168 |
| Bayelsa | 0.6 | 177 | 552 |
| Benue | 2.5 | 697 | 667 |
| Borno | 6.6 | 1,851 | 385 |
| Cross River | 1.4 | 393 | 492 |
| Delta | 1.5 | 409 | 534 |
| Ebonyi | 1.0 | 271 | 540 |
| Edo | 1.0 | 281 | 443 |
| Ekiti | 0.4 | 125 | 311 |
| Enugu | 1.0 | 268 | 415 |
| Gombe | 1.9 | 534 | 949 |
| Imo | 1.4 | 405 | 471 |
| Jigawa | 5.0 | 1,399 | 1,228 |
| Kaduna | 5.7 | 1,607 | 935 |
| Kano | 8.3 | 2,325 | 2,559 |
| Katsina | 7.4 | 2,066 | 1,256 |
| Kebbi | 3.3 | 935 | 1,120 |
| Kogi | 1.3 | 372 | 553 |
| Kwara | 1.3 | 358 | 521 |
| Lagos | 3.8 | 1,054 | 930 |
| Nasarawa | 2.2 | 607 | 907 |
| Niger | 4.5 | 1,270 | 1,022 |
| Ogun | 1.1 | 295 | 414 |
| Ondo | 1.5 | 408 | 440 |
| Osun | 1.2 | 342 | 331 |
| Oyo | 2.7 | 745 | 505 |
| Plateau | 3.9 | 1,103 | 932 |
| Rivers | 1.5 | 412 | 395 |
| Sokoto | 3.5 | 975 | 1,213 |
| Taraba | 1.5 | 422 | 593 |
| Yobe | 3.9 | 1,085 | 897 |
| Zamfara | 4.7 | 1,328 | 1,208 |
| FCT Abuja | 0.7 | 209 | 745 |

^a In this table and throughout the report, mother's education refers to educational attainment of mothers as well as caretakers of children under 5, who are the respondents to the under-5 questionnaire if the mother is deceased or is living elsewhere.

Housing characteristics, asset ownership, and wealth quintiles

Table HH.6: Housing characteristics

Percent distribution of households by selected housing characteristics, according to area of residence and regions, Nigeria, 2016-17

| | Residence | | | Geopolitical zone | | | | | |
|---|---------------|---------------|---------------|-------------------|--------------|--------------|--------------|--------------|--------------|
| | Total | Urban | Rural | North Central | North East | North West | South East | South South | South West |
| Electricity | | | | | | | | | |
| Yes | 54.4 | 86.8 | 35.7 | 48.1 | 38.7 | 40.6 | 66.3 | 68.6 | 78.1 |
| No | 45.6 | 13.2 | 64.3 | 51.8 | 61.3 | 59.3 | 33.7 | 31.4 | 21.9 |
| Flooring | | | | | | | | | |
| Natural floor | 30.0 | 8.5 | 42.5 | 26.0 | 47.5 | 51.5 | 12.1 | 11.9 | 8.4 |
| Rudimentary floor | 0.8 | 0.4 | 1.0 | 0.2 | 0.3 | 1.0 | 0.1 | 2.0 | 0.9 |
| Finished floor | 68.6 | 90.7 | 55.8 | 72.6 | 51.1 | 47.2 | 87.7 | 86.0 | 90.3 |
| Other | 0.6 | 0.4 | 0.6 | 1.2 | 1.0 | 0.4 | 0.1 | 0.2 | 0.4 |
| Roof | | | | | | | | | |
| Natural roofing | 13.2 | 1.5 | 20.0 | 16.0 | 27.5 | 19.6 | 2.1 | 2.8 | 1.7 |
| Rudimentary roofing | 3.6 | 1.7 | 4.7 | 3.1 | 1.8 | 7.9 | 1.8 | 1.7 | 1.5 |
| Finished roofing | 82.6 | 96.5 | 74.6 | 80.7 | 70.6 | 71.1 | 96.2 | 95.4 | 96.3 |
| Other | 0.5 | 0.3 | 0.6 | 0.3 | 0.2 | 1.3 | 0.0 | 0.1 | 0.5 |
| Exterior walls | | | | | | | | | |
| Natural walls | 15.4 | 3.7 | 22.2 | 12.4 | 35.4 | 24.2 | 3.1 | 4.9 | 1.0 |
| Rudimentary walls | 19.9 | 5.0 | 28.5 | 23.8 | 20.5 | 33.0 | 9.0 | 9.6 | 9.5 |
| Finished walls | 64.3 | 91.1 | 48.8 | 63.0 | 43.3 | 42.7 | 87.8 | 84.8 | 89.4 |
| Other | 0.4 | 0.2 | 0.5 | 0.7 | 0.7 | 0.1 | 0.1 | 0.7 | 0.0 |
| Rooms used for sleeping | | | | | | | | | |
| 1 | 33.1 | 42.6 | 27.6 | 24.0 | 22.3 | 23.4 | 30.5 | 42.9 | 59.2 |
| 2 | 31.8 | 29.3 | 33.2 | 31.5 | 35.5 | 34.2 | 32.7 | 31.4 | 25.1 |
| 3 or more | 35.0 | 28.0 | 39.1 | 44.4 | 42.2 | 42.4 | 36.8 | 25.5 | 15.7 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Number of households | 33,901 | 12,421 | 21,480 | 5,435 | 5,581 | 9,128 | 3,132 | 4,281 | 6,344 |
| Mean number of persons per room used for sleeping | 2.6 | 2.6 | 2.5 | 2.4 | 2.8 | 2.9 | 2.1 | 2.3 | 2.5 |

Table HH.6: Housing characteristics (continued)

Percent distribution of households by selected housing characteristics, according to area of residence and regions, Nigeria, 2016-17

| State | Electricity | | | Flooring | | | Roof | | | | Exterior walls | | | | Rooms used for sleeping | | | | Total | Number of households | Mean number of persons per room used for sleeping | | | | |
|-------------|-------------|------|------------|---------------|-------------------|----------------|-------|------------|-----------------|---------------------|------------------|-------|------------|---------------|-------------------------|----------------|-------|------------|-------|----------------------|---|-----|-------|-----------|------------|
| | Yes | No | Missing/DK | Natural floor | Rudimentary floor | Finished floor | Other | Missing/DK | Natural roofing | Rudimentary roofing | Finished roofing | Other | Missing/DK | Natural walls | Rudimentary walls | Finished walls | Other | Missing/DK | | | | 1 | 2 | 3 or more | Missing/DK |
| Abia | 80.4 | 19.5 | 0.1 | 8.6 | 0.0 | 91.3 | 0.0 | 0.1 | 1.5 | 0.1 | 98.4 | 0.0 | 0.0 | 3.8 | 3.6 | 92.4 | 0.0 | 0.1 | 29.8 | 33.1 | 36.8 | 0.3 | 100.0 | 472 | 1.95 |
| Adamawa | 32.7 | 67.2 | 0.1 | 35.2 | 0.0 | 64.8 | 0.0 | 0.0 | 28.5 | 2.0 | 69.5 | 0.1 | 0.0 | 34.8 | 25.0 | 40.1 | 0.1 | 0.0 | 21.7 | 33.6 | 44.7 | 0.0 | 100.0 | 735 | 2.38 |
| Akwa Ibom | 75.0 | 25.0 | 0.0 | 19.1 | 1.1 | 79.7 | 0.0 | 0.0 | 6.1 | 1.7 | 92.2 | 0.0 | 0.0 | 8.6 | 10.1 | 81.3 | 0.0 | 0.0 | 34.8 | 29.6 | 35.4 | 0.2 | 100.0 | 844 | 2.39 |
| Anambra | 71.5 | 28.5 | 0.0 | 5.6 | 0.1 | 93.9 | 0.4 | 0.0 | 1.8 | 2.6 | 95.6 | 0.0 | 0.0 | 3.3 | 5.4 | 91.3 | 0.0 | 0.0 | 35.2 | 28.8 | 36.0 | 0.0 | 100.0 | 719 | 2.27 |
| Bauchi | 29.0 | 71.0 | 0.0 | 50.9 | 0.0 | 49.1 | 0.0 | 0.0 | 31.0 | 1.6 | 67.4 | 0.0 | 0.0 | 34.5 | 31.9 | 33.6 | 0.0 | 0.0 | 18.7 | 39.0 | 42.3 | 0.0 | 100.0 | 1,384 | 2.69 |
| Bayelsa | 46.6 | 53.4 | 0.0 | 13.4 | 4.5 | 81.9 | 0.2 | 0.0 | 3.1 | 2.2 | 94.5 | 0.3 | 0.0 | 6.9 | 10.4 | 78.3 | 4.4 | 0.0 | 51.8 | 28.6 | 19.6 | 0.0 | 100.0 | 308 | 2.46 |
| Benue | 34.5 | 65.5 | 0.0 | 39.3 | 0.2 | 54.8 | 5.7 | 0.1 | 46.2 | 0.1 | 52.2 | 1.4 | 0.1 | 20.8 | 23.6 | 51.9 | 3.6 | 0.1 | 24.1 | 33.5 | 42.4 | 0.0 | 100.0 | 987 | 2.26 |
| Borno | 63.4 | 36.6 | 0.0 | 26.7 | 0.0 | 73.3 | 0.0 | 0.0 | 5.7 | 0.8 | 93.5 | 0.0 | 0.0 | 19.4 | 6.6 | 72.8 | 1.2 | 0.0 | 25.9 | 36.5 | 37.6 | 0.0 | 100.0 | 1,493 | 3.30 |
| Cross River | 38.1 | 61.9 | 0.0 | 18.8 | 1.5 | 79.2 | 0.5 | 0.0 | 4.0 | 3.6 | 92.3 | 0.1 | 0.0 | 10.4 | 15.9 | 73.7 | 0.0 | 0.0 | 43.2 | 32.0 | 24.7 | 0.0 | 100.0 | 778 | 2.30 |
| Delta | 71.6 | 28.4 | 0.0 | 8.3 | 6.5 | 84.8 | 0.3 | 0.0 | 1.7 | 0.8 | 97.4 | 0.0 | 0.0 | 2.1 | 8.0 | 89.4 | 0.5 | 0.0 | 45.8 | 33.9 | 20.1 | 0.2 | 100.0 | 740 | 2.41 |
| Ebonyi | 31.1 | 68.7 | 0.2 | 42.9 | 0.6 | 56.5 | 0.0 | 0.0 | 7.5 | 2.6 | 89.9 | 0.0 | 0.0 | 6.0 | 32.9 | 61.1 | 0.0 | 0.0 | 26.7 | 36.9 | 36.4 | 0.0 | 100.0 | 535 | 2.09 |
| Edo | 85.5 | 14.5 | 0.0 | 7.4 | 0.0 | 92.6 | 0.0 | 0.0 | 0.9 | 1.0 | 98.2 | 0.0 | 0.0 | 0.3 | 8.9 | 90.9 | 0.0 | 0.0 | 43.2 | 31.8 | 24.9 | 0.1 | 100.0 | 654 | 2.05 |
| Ekiti | 70.1 | 29.9 | 0.0 | 6.5 | 0.4 | 92.7 | 0.4 | 0.0 | 0.0 | 0.6 | 99.4 | 0.0 | 0.0 | 0.2 | 8.9 | 90.9 | 0.1 | 0.0 | 57.3 | 27.3 | 15.3 | 0.0 | 100.0 | 351 | 2.15 |
| Enugu | 70.1 | 29.9 | 0.0 | 8.9 | 0.1 | 91.0 | 0.1 | 0.0 | 0.7 | 0.5 | 98.9 | 0.0 | 0.0 | 3.0 | 6.6 | 89.9 | 0.6 | 0.0 | 28.8 | 34.7 | 36.5 | 0.0 | 100.0 | 610 | 1.99 |
| Gombe | 41.2 | 58.8 | 0.0 | 69.3 | 0.0 | 29.8 | 0.9 | 0.0 | 33.9 | 0.4 | 65.7 | 0.0 | 0.0 | 33.7 | 38.8 | 26.9 | 0.5 | 0.1 | 24.0 | 30.5 | 45.5 | 0.0 | 100.0 | 529 | 2.67 |
| Imo | 73.8 | 26.2 | 0.0 | 1.7 | 0.0 | 98.2 | 0.1 | 0.0 | 0.1 | 2.4 | 97.4 | 0.0 | 0.0 | 0.5 | 1.2 | 98.3 | 0.1 | 0.0 | 30.4 | 31.6 | 37.9 | 0.0 | 100.0 | 796 | 2.03 |
| Jigawa | 25.7 | 74.3 | 0.0 | 75.8 | 2.7 | 21.5 | 0.0 | 0.0 | 32.4 | 13.9 | 53.6 | 0.1 | 0.0 | 47.6 | 33.4 | 19.0 | 0.0 | 0.0 | 17.4 | 36.6 | 45.9 | 0.0 | 100.0 | 1,147 | 2.85 |
| Kaduna | 64.7 | 35.3 | 0.0 | 18.9 | 0.1 | 80.7 | 0.3 | 0.0 | 8.0 | 3.2 | 88.7 | 0.1 | 0.0 | 7.4 | 35.4 | 57.2 | 0.0 | 0.0 | 23.2 | 27.0 | 49.9 | 0.0 | 100.0 | 1,646 | 2.56 |
| Kano | 46.8 | 53.2 | 0.0 | 47.3 | 0.4 | 52.3 | 0.1 | 0.0 | 11.4 | 6.8 | 80.8 | 0.9 | 0.0 | 17.7 | 21.0 | 61.3 | 0.0 | 0.0 | 19.4 | 36.4 | 44.2 | 0.0 | 100.0 | 1,894 | 2.96 |
| Katsina | 30.0 | 70.0 | 0.0 | 56.8 | 0.3 | 42.9 | 0.0 | 0.0 | 33.8 | 10.6 | 55.6 | 0.0 | 0.0 | 17.7 | 47.3 | 35.0 | 0.0 | 0.0 | 21.4 | 34.3 | 44.3 | 0.0 | 100.0 | 1,705 | 2.74 |
| Kebbi | 41.4 | 58.5 | 0.2 | 62.5 | 4.7 | 32.4 | 0.3 | 0.0 | 29.4 | 8.2 | 61.8 | 0.6 | 0.0 | 38.8 | 32.1 | 28.8 | 0.1 | 0.2 | 36.5 | 36.6 | 26.9 | 0.0 | 100.0 | 838 | 3.46 |
| Kogi | 50.2 | 49.8 | 0.0 | 30.4 | 0.1 | 69.2 | 0.3 | 0.0 | 0.8 | 8.6 | 90.6 | 0.1 | 0.0 | 8.5 | 7.5 | 84.0 | 0.1 | 0.0 | 30.0 | 29.8 | 39.0 | 1.2 | 100.0 | 649 | 2.15 |
| Kwara | 71.8 | 28.1 | 0.1 | 13.7 | 0.5 | 85.8 | 0.0 | 0.0 | 9.3 | 2.6 | 88.1 | 0.0 | 0.0 | 1.1 | 18.8 | 79.9 | 0.1 | 0.0 | 39.2 | 37.3 | 23.5 | 0.0 | 100.0 | 639 | 2.31 |
| Lagos | 99.1 | 0.9 | 0.0 | 0.4 | 0.0 | 98.6 | 0.9 | 0.0 | 0.0 | 1.3 | 98.6 | 0.1 | 0.0 | 0.0 | 0.2 | 99.8 | 0.0 | 0.0 | 66.2 | 24.6 | 9.3 | 0.0 | 100.0 | 1,974 | 2.89 |
| Nasarawa | 31.5 | 68.5 | 0.0 | 36.5 | 0.0 | 63.3 | 0.2 | 0.0 | 5.0 | 1.6 | 93.5 | 0.0 | 0.0 | 3.5 | 31.4 | 65.1 | 0.0 | 0.0 | 24.0 | 28.3 | 47.5 | 0.1 | 100.0 | 630 | 2.48 |
| Niger | 55.0 | 44.9 | 0.1 | 22.9 | 0.2 | 76.6 | 0.3 | 0.0 | 11.5 | 1.0 | 87.6 | 0.0 | 0.0 | 26.1 | 17.9 | 55.9 | 0.1 | 0.0 | 17.2 | 31.6 | 51.2 | 0.0 | 100.0 | 1,211 | 2.57 |
| Ogun | 75.8 | 24.2 | 0.0 | 7.4 | 0.4 | 92.1 | 0.0 | 0.0 | 1.0 | 1.1 | 94.3 | 3.6 | 0.0 | 2.7 | 8.6 | 88.7 | 0.0 | 0.0 | 54.4 | 27.0 | 18.6 | 0.0 | 100.0 | 608 | 2.48 |
| Ondo | 58.3 | 41.7 | 0.0 | 14.6 | 4.9 | 80.2 | 0.3 | 0.1 | 1.3 | 1.8 | 96.8 | 0.0 | 0.0 | 1.9 | 18.7 | 79.3 | 0.1 | 0.0 | 53.6 | 28.5 | 18.0 | 0.0 | 100.0 | 1,025 | 2.07 |
| Osun | 74.0 | 26.0 | 0.0 | 8.6 | 0.4 | 91.0 | 0.0 | 0.0 | 0.7 | 0.3 | 98.9 | 0.1 | 0.0 | 1.4 | 11.3 | 87.2 | 0.1 | 0.0 | 56.7 | 21.4 | 21.9 | 0.0 | 100.0 | 916 | 2.12 |
| Oyo | 68.9 | 31.1 | 0.0 | 15.5 | 0.0 | 84.3 | 0.2 | 0.0 | 5.6 | 2.7 | 91.2 | 0.5 | 0.0 | 1.2 | 15.0 | 83.9 | 0.0 | 0.0 | 57.8 | 24.2 | 18.0 | 0.0 | 100.0 | 1,470 | 2.43 |
| Plateau | 39.8 | 60.2 | 0.0 | 21.6 | 0.1 | 78.3 | 0.0 | 0.0 | 16.7 | 6.9 | 76.4 | 0.0 | 0.0 | 6.6 | 40.7 | 52.7 | 0.0 | 0.0 | 17.5 | 28.5 | 54.0 | 0.0 | 100.0 | 1,051 | 2.36 |
| Rivers | 80.9 | 19.1 | 0.0 | 5.1 | 0.1 | 94.8 | 0.0 | 0.0 | 1.2 | 1.3 | 97.3 | 0.1 | 0.0 | 1.9 | 5.3 | 91.5 | 1.3 | 0.0 | 44.6 | 31.2 | 24.1 | 0.1 | 100.0 | 957 | 2.24 |
| Sokoto | 37.5 | 62.5 | 0.0 | 70.6 | 0.1 | 29.2 | 0.1 | 0.0 | 18.3 | 8.2 | 71.5 | 1.9 | 0.0 | 29.1 | 37.6 | 33.3 | 0.0 | 0.0 | 33.5 | 39.6 | 26.9 | 0.0 | 100.0 | 820 | 3.30 |
| Taraba | 17.7 | 82.3 | 0.0 | 53.1 | 0.6 | 46.2 | 0.0 | 0.1 | 44.5 | 1.6 | 53.9 | 0.0 | 0.0 | 38.8 | 17.8 | 42.4 | 0.5 | 0.5 | 26.7 | 30.9 | 42.4 | 0.0 | 100.0 | 527 | 2.47 |
| Yobe | 28.5 | 71.5 | 0.0 | 70.6 | 1.4 | 21.9 | 5.9 | 0.1 | 43.2 | 4.6 | 51.4 | 0.9 | 0.0 | 62.5 | 13.3 | 22.6 | 1.6 | 0.0 | 18.9 | 35.8 | 45.3 | 0.0 | 100.0 | 914 | 2.95 |
| Zamfara | 27.7 | 72.3 | 0.0 | 51.3 | 0.5 | 46.0 | 2.2 | 0.0 | 9.1 | 5.8 | 77.4 | 7.5 | 0.2 | 31.3 | 24.4 | 43.4 | 1.0 | 0.0 | 22.3 | 33.0 | 44.8 | 0.0 | 100.0 | 1,078 | 2.95 |
| FCT Abuja | 77.9 | 22.1 | 0.0 | 3.3 | 0.0 | 96.3 | 0.3 | 0.0 | 0.5 | 0.7 | 98.9 | 0.0 | 0.0 | 0.0 | 18.8 | 80.5 | 0.7 | 0.0 | 29.7 | 32.0 | 38.2 | 0.0 | 100.0 | 270 | 2.49 |

Table HH.7: Household and personal assets

Percentage of households by ownership of selected household and personal assets, and percent distribution by ownership of dwelling, according to area of residence and regions, Nigeria, 2016-17

| | Residence | | | Geopolitical zone | | | | | |
|---|---------------|--------|--------|-------------------|------------|------------|------------|-------------|------------|
| | Total | Urban | Rural | North Central | North East | North West | South East | South South | South West |
| Percentage of households that own a | | | | | | | | | |
| Radio | 59.8 | 66.9 | 55.7 | 59.1 | 54.4 | 59.0 | 65.0 | 57.5 | 65.3 |
| Television | 47.0 | 74.2 | 31.2 | 47.8 | 29.3 | 26.4 | 63.8 | 66.7 | 69.9 |
| Non-mobile telephone | 2.5 | 3.2 | 2.1 | 2.6 | 2.2 | 3.9 | 1.2 | 2.1 | 1.7 |
| Refrigerator | 21.7 | 40.5 | 10.9 | 19.5 | 10.1 | 13.1 | 30.1 | 35.0 | 33.2 |
| Percentage of households that own | | | | | | | | | |
| Agricultural land | 63.2 | 33.5 | 80.4 | 69.9 | 70.1 | 78.3 | 66.0 | 55.0 | 34.0 |
| Farm animals/Livestock | 49.1 | 25.7 | 62.6 | 60.4 | 61.0 | 67.0 | 36.7 | 19.5 | 29.2 |
| Percentage of households where at least one member owns or has a | | | | | | | | | |
| Watch | 56.6 | 72.3 | 47.6 | 50.6 | 47.3 | 44.4 | 68.3 | 73.0 | 70.8 |
| Mobile telephone | 74.4 | 89.8 | 65.5 | 79.9 | 69.1 | 57.8 | 81.9 | 84.4 | 87.9 |
| Bicycle | 19.7 | 13.1 | 23.6 | 15.1 | 27.7 | 27.7 | 22.5 | 17.8 | 5.1 |
| Motorcycle or scooter | 31.6 | 21.6 | 37.3 | 45.5 | 23.8 | 39.1 | 30.4 | 26.9 | 19.4 |
| Animal-drawn cart | 6.3 | 1.6 | 9.0 | 1.3 | 12.2 | 14.2 | 1.2 | 0.7 | 0.3 |
| Car or truck | 11.1 | 18.5 | 6.8 | 12.7 | 6.2 | 8.5 | 13.5 | 11.6 | 16.3 |
| Boat with a motor | 1.8 | 1.0 | 2.2 | 2.3 | 1.0 | 1.3 | 1.2 | 4.6 | 1.1 |
| Bank account | 42.5 | 66.9 | 28.4 | 41.6 | 27.3 | 22.8 | 59.9 | 58.8 | 65.5 |
| Ownership of dwelling | | | | | | | | | |
| Owned by a household member | 68.4 | 44.2 | 82.3 | 73.5 | 78.8 | 86.8 | 71.5 | 54.6 | 36.0 |
| Not owned | 31.6 | 55.7 | 17.6 | 26.4 | 21.2 | 13.2 | 28.4 | 45.4 | 64.0 |
| Rented | 24.5 | 48.2 | 10.8 | 18.2 | 15.8 | 8.5 | 25.5 | 34.4 | 53.4 |
| Other | 7.1 | 7.6 | 6.8 | 8.2 | 5.5 | 4.6 | 3.0 | 10.9 | 10.6 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Number of households | 33,901 | 12,421 | 21,480 | 5,435 | 5,581 | 9,128 | 3,132 | 4,281 | 6,344 |

Table HH.7: Household and personal assets (continued)

Percentage of households by ownership of selected household and personal assets, and percent distribution by ownership of dwelling, according to area of residence and regions, Nigeria, 2016-17

| | Percentage of households that own a | | | | Percentage of households that own | | Percentage of households where at least one member owns or has a | | | | | | | Ownership of dwelling | | | | Total | Number of households | | |
|--------------|-------------------------------------|-------------|----------------------|--------------|-----------------------------------|------------------------|--|------------------|-------------|-----------------------|-------------------|--------------|-------------------|-----------------------|-----------------------------|-------------|-------------|------------|----------------------|---------------|--|
| | Radio | Television | Non-mobile telephone | Refrigerator | Agricultural land | Farm animals/Livestock | Watch | Mobile telephone | Bicycle | Motorcycle or scooter | Animal-drawn cart | Car or truck | Boat with a motor | Bank account | Owned by a household member | Not owned | Rented | | | Other | |
| Total | 59.8 | 47.0 | 2.5 | 21.7 | 63.2 | 49.1 | 56.6 | 74.4 | 19.7 | 31.6 | 6.3 | 11.1 | 1.8 | 42.5 | 68.4 | 31.6 | 24.5 | 7.1 | 100.0 | 33,901 | |
| State | | | | | | | | | | | | | | | | | | | | | |
| Abia | 66.7 | 67.2 | 1.1 | 30.7 | 57.2 | 31.4 | 63.6 | 83.5 | 31.0 | 24.0 | 0.6 | 13.1 | 1.1 | 60.7 | 65.7 | 34.2 | 29.1 | 5.1 | 100.0 | 472 | |
| Adamawa | 64.4 | 32.7 | 8.4 | 12.5 | 69.4 | 59.4 | 49.2 | 68.0 | 34.6 | 23.1 | 2.4 | 8.3 | 0.9 | 37.3 | 82.9 | 17.1 | 14.0 | 3.1 | 100.0 | 735 | |
| Akwa Ibom | 60.8 | 67.9 | 0.8 | 32.3 | 67.3 | 32.8 | 74.2 | 86.3 | 26.8 | 39.6 | 1.0 | 11.7 | 6.0 | 44.6 | 70.2 | 29.8 | 25.1 | 4.7 | 100.0 | 844 | |
| Anambra | 71.1 | 73.8 | 1.6 | 42.4 | 51.2 | 30.9 | 80.7 | 86.9 | 7.5 | 29.0 | 2.5 | 16.7 | 2.1 | 75.0 | 58.8 | 41.2 | 38.0 | 3.2 | 100.0 | 719 | |
| Bauchi | 62.8 | 17.2 | 0.3 | 8.7 | 88.9 | 77.9 | 34.0 | 54.6 | 25.9 | 41.8 | 21.4 | 4.6 | 2.1 | 16.4 | 87.8 | 12.2 | 6.6 | 5.6 | 100.0 | 1,384 | |
| Bayelsa | 44.8 | 61.3 | 9.0 | 30.1 | 48.9 | 3.2 | 60.5 | 80.3 | 2.2 | 9.0 | 0.5 | 5.7 | 6.0 | 55.1 | 45.7 | 54.3 | 26.1 | 28.2 | 100.0 | 308 | |
| Benue | 52.2 | 38.5 | 1.6 | 12.2 | 82.2 | 62.5 | 48.7 | 86.2 | 12.6 | 50.3 | 1.5 | 7.6 | 1.4 | 41.6 | 80.0 | 20.0 | 12.2 | 7.7 | 100.0 | 987 | |
| Borno | 47.7 | 49.5 | 2.0 | 11.3 | 40.3 | 39.4 | 57.4 | 91.9 | 30.7 | 6.2 | 2.3 | 8.7 | 0.0 | 37.2 | 57.0 | 43.0 | 34.6 | 8.4 | 100.0 | 1,493 | |
| Cross River | 53.4 | 49.1 | 1.0 | 20.6 | 69.9 | 36.9 | 60.7 | 72.9 | 5.7 | 29.8 | 0.4 | 7.4 | 1.8 | 46.5 | 53.0 | 47.0 | 26.2 | 20.8 | 100.0 | 778 | |
| Delta | 51.8 | 69.9 | 1.5 | 33.8 | 47.4 | 12.6 | 72.9 | 81.4 | 21.8 | 27.7 | 0.5 | 10.1 | 7.6 | 56.6 | 44.7 | 55.3 | 47.8 | 7.5 | 100.0 | 740 | |
| Ebonyi | 55.5 | 34.7 | 1.1 | 9.4 | 77.0 | 48.3 | 45.6 | 54.6 | 34.9 | 34.7 | 1.2 | 5.5 | 1.3 | 38.7 | 87.6 | 12.4 | 10.4 | 2.0 | 100.0 | 535 | |
| Edo | 60.7 | 77.7 | 0.9 | 47.4 | 41.0 | 9.4 | 81.5 | 86.4 | 6.6 | 15.9 | 0.7 | 19.5 | 2.5 | 76.3 | 43.7 | 56.3 | 50.4 | 5.9 | 100.0 | 654 | |
| Ekiti | 63.9 | 63.4 | 1.3 | 24.6 | 51.3 | 46.0 | 64.0 | 89.2 | 7.2 | 26.2 | 0.1 | 13.0 | 0.1 | 57.2 | 44.5 | 55.5 | 46.0 | 9.5 | 100.0 | 351 | |
| Enugu | 61.7 | 63.3 | 1.3 | 25.9 | 68.2 | 38.1 | 74.5 | 87.7 | 13.7 | 25.8 | 0.7 | 12.1 | 1.3 | 55.7 | 68.5 | 31.5 | 29.1 | 2.4 | 100.0 | 610 | |
| Gombe | 47.2 | 21.5 | 1.7 | 10.6 | 84.2 | 76.8 | 46.8 | 63.3 | 21.7 | 38.5 | 12.1 | 5.7 | 1.2 | 25.1 | 90.5 | 9.5 | 8.1 | 1.4 | 100.0 | 529 | |
| Imo | 67.3 | 72.5 | 1.1 | 35.9 | 75.5 | 36.1 | 70.5 | 90.5 | 29.6 | 35.9 | 0.7 | 17.3 | 0.3 | 63.2 | 78.1 | 21.9 | 19.4 | 2.5 | 100.0 | 796 | |
| Jigawa | 45.1 | 12.1 | 2.1 | 6.4 | 87.4 | 77.5 | 33.5 | 52.9 | 25.1 | 31.8 | 30.4 | 7.5 | 1.7 | 14.8 | 90.6 | 9.4 | 3.4 | 6.0 | 100.0 | 1,147 | |

Table HH.7: Household and personal assets (continued)

Percentage of households by ownership of selected household and personal assets, and percent distribution by ownership of dwelling, according to area of residence and regions, Nigeria, 2016-17

| State | Percentage of households that own a | | | | Percentage of households that own | | Percentage of households where at least one member owns or has a | | | | | | | Ownership of dwelling | | | | Total | Number of households | |
|-----------|-------------------------------------|------------|----------------------|--------------|-----------------------------------|------------------------|--|------------------|---------|-----------------------|-------------------|--------------|-------------------|-----------------------|-----------------------------|-----------|--------|-------|----------------------|-------|
| | Radio | Television | Non-mobile telephone | Refrigerator | Agricultural land | Farm animals/Livestock | Watch | Mobile telephone | Bicycle | Motorcycle or scooter | Animal-drawn cart | Car or truck | Boat with a motor | Bank account | Owned by a household member | Not owned | Rented | | | Other |
| Kaduna | 76.2 | 53.6 | 1.4 | 27.0 | 71.1 | 46.2 | 58.1 | 75.6 | 19.6 | 47.9 | 11.1 | 12.9 | 0.2 | 41.6 | 72.6 | 27.4 | 21.6 | 5.8 | 100.0 | 1,646 |
| Kano | 64.7 | 25.6 | 4.4 | 12.0 | 65.3 | 57.1 | 47.0 | 55.6 | 35.9 | 39.4 | 6.9 | 8.2 | 1.5 | 22.9 | 88.1 | 11.9 | 10.6 | 1.2 | 100.0 | 1,894 |
| Katsina | 56.0 | 20.4 | 2.8 | 10.5 | 83.0 | 75.2 | 47.6 | 55.8 | 34.5 | 41.0 | 17.3 | 7.7 | 2.3 | 16.3 | 89.7 | 10.1 | 4.8 | 5.3 | 100.0 | 1,705 |
| Kebbi | 44.8 | 21.5 | 6.2 | 12.8 | 86.4 | 76.9 | 41.2 | 50.9 | 26.9 | 37.4 | 19.0 | 9.1 | 1.7 | 17.7 | 94.6 | 5.3 | 3.3 | 2.1 | 100.0 | 838 |
| Kogi | 58.2 | 54.0 | 9.0 | 19.9 | 58.5 | 46.3 | 39.2 | 83.0 | 12.7 | 42.7 | 1.4 | 12.2 | 1.4 | 46.8 | 60.4 | 39.4 | 25.2 | 14.1 | 100.0 | 649 |
| Kwara | 74.4 | 56.3 | 0.7 | 21.4 | 42.5 | 41.2 | 68.7 | 67.6 | 3.1 | 32.6 | 1.0 | 11.5 | 1.3 | 40.0 | 66.5 | 33.5 | 30.9 | 2.7 | 100.0 | 639 |
| Lagos | 64.6 | 88.2 | 1.0 | 53.9 | 9.1 | 2.8 | 84.8 | 95.4 | 6.4 | 3.2 | 0.2 | 18.6 | 0.6 | 86.1 | 15.3 | 84.7 | 77.5 | 7.2 | 100.0 | 1,974 |
| Nasarawa | 56.6 | 40.7 | 3.8 | 13.8 | 79.7 | 65.7 | 39.2 | 78.2 | 10.5 | 60.5 | 0.1 | 9.6 | 2.1 | 37.4 | 78.1 | 21.8 | 9.7 | 12.1 | 100.0 | 630 |
| Niger | 58.3 | 48.6 | 2.0 | 22.7 | 80.3 | 77.9 | 51.3 | 80.6 | 23.3 | 54.8 | 3.0 | 11.8 | 6.5 | 32.7 | 81.5 | 18.4 | 8.8 | 9.6 | 100.0 | 1,211 |
| Ogun | 63.5 | 68.5 | 0.9 | 30.6 | 31.9 | 29.0 | 73.9 | 87.4 | 7.3 | 19.8 | 0.0 | 17.2 | 1.5 | 51.5 | 47.4 | 52.6 | 40.3 | 12.3 | 100.0 | 608 |
| Ondo | 67.4 | 56.1 | 1.3 | 21.4 | 52.7 | 36.3 | 59.2 | 77.0 | 4.3 | 25.3 | 0.4 | 13.0 | 3.0 | 52.4 | 44.9 | 55.1 | 45.7 | 9.4 | 100.0 | 1,025 |
| Osun | 68.5 | 60.4 | 0.6 | 25.5 | 52.2 | 51.8 | 67.8 | 87.2 | 3.1 | 33.8 | 0.0 | 13.7 | 0.9 | 55.5 | 44.5 | 55.5 | 40.7 | 14.7 | 100.0 | 916 |
| Oyo | 63.7 | 63.1 | 3.8 | 21.6 | 39.9 | 41.8 | 62.5 | 85.6 | 4.0 | 26.4 | 0.8 | 17.4 | 0.7 | 60.9 | 45.6 | 54.3 | 41.2 | 13.0 | 100.0 | 1,470 |
| Plateau | 57.0 | 45.4 | 0.9 | 19.2 | 70.6 | 63.5 | 50.7 | 79.0 | 22.2 | 35.4 | 0.4 | 18.3 | 0.2 | 46.1 | 73.6 | 26.4 | 21.8 | 4.6 | 100.0 | 1,051 |
| Rivers | 64.1 | 71.6 | 3.2 | 43.2 | 49.7 | 11.2 | 80.1 | 94.3 | 29.2 | 26.0 | 0.7 | 12.5 | 4.2 | 72.4 | 60.2 | 39.8 | 30.7 | 9.0 | 100.0 | 957 |
| Sokoto | 55.8 | 20.5 | 10.2 | 8.3 | 77.8 | 71.4 | 24.1 | 44.9 | 12.3 | 26.7 | 6.9 | 6.6 | 1.0 | 17.2 | 91.9 | 8.1 | 3.2 | 4.9 | 100.0 | 820 |
| Taraba | 47.8 | 26.7 | 1.6 | 7.6 | 80.1 | 60.1 | 38.3 | 64.0 | 5.8 | 38.3 | 2.4 | 7.8 | 2.0 | 29.1 | 88.0 | 12.0 | 8.7 | 3.3 | 100.0 | 527 |
| Yobe | 52.4 | 17.7 | 1.0 | 9.2 | 76.7 | 63.2 | 55.1 | 61.1 | 36.3 | 8.9 | 27.8 | 2.5 | 0.3 | 19.7 | 85.3 | 14.7 | 8.8 | 5.9 | 100.0 | 914 |
| Zamfara | 55.9 | 19.0 | 4.2 | 9.2 | 88.9 | 80.9 | 43.1 | 57.8 | 29.8 | 40.3 | 11.5 | 6.2 | 0.3 | 20.6 | 87.6 | 12.4 | 4.6 | 7.8 | 100.0 | 1,078 |
| FCT Abuja | 67.9 | 69.3 | 1.4 | 41.7 | 45.7 | 29.0 | 65.4 | 82.1 | 5.3 | 27.7 | 0.7 | 23.8 | 0.7 | 66.1 | 50.8 | 49.1 | 41.2 | 7.9 | 100.0 | 270 |

Table HH.8: Wealth quintiles

Percent distribution of the household population by wealth index quintile, according to area of residence and regions, Nigeria, 2016-17

| | Wealth index quintile | | | | | Total | Number of household members |
|--------------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|-----------------------------|
| | Poorest | Second | Middle | Fourth | Richest | | |
| Total | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 100.0 | 182,165 |
| Geopolitical zone | | | | | | | |
| North Central | 15.6 | 22.6 | 25.5 | 20.0 | 16.3 | 100.0 | 30,688 |
| North East | 27.9 | 23.8 | 23.5 | 18.7 | 6.2 | 100.0 | 36,964 |
| North West | 33.6 | 27.1 | 16.8 | 11.6 | 10.9 | 100.0 | 61,155 |
| South East | 2.0 | 9.5 | 22.1 | 35.3 | 31.1 | 100.0 | 12,708 |
| South South | 0.7 | 7.9 | 22.7 | 32.9 | 35.8 | 100.0 | 17,393 |
| South West | 1.6 | 6.8 | 12.3 | 26.2 | 53.0 | 100.0 | 23,257 |
| Residence | | | | | | | |
| Urban | 3.0 | 5.0 | 16.1 | 29.2 | 46.8 | 100.0 | 61,430 |
| Rural | 28.7 | 27.6 | 22.0 | 15.3 | 6.4 | 100.0 | 120,735 |

Table HH.8: Wealth quintiles (continued)

Percent distribution of the household population by wealth index quintile, according to area of residence and regions, Nigeria, 2016-17

| | Wealth index quintile | | | | | Total | Number of household members |
|--------------|-----------------------|-------------|-------------|-------------|-------------|--------------|-----------------------------|
| | Poorest | Second | Middle | Fourth | Richest | | |
| Total | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 100.0 | 182,165 |
| State | | | | | | | |
| Abia | 0.0 | 4.6 | 21.0 | 41.1 | 33.3 | 100.0 | 1,826 |
| Adamawa | 22.2 | 23.9 | 26.9 | 18.0 | 9.0 | 100.0 | 4,379 |
| Akwa Ibom | 1.4 | 7.4 | 28.5 | 38.2 | 24.4 | 100.0 | 3,893 |
| Anambra | 1.7 | 5.0 | 12.3 | 33.0 | 48.0 | 100.0 | 2,965 |
| Bauchi | 43.1 | 30.7 | 14.2 | 7.0 | 5.0 | 100.0 | 8,746 |
| Bayelsa | 0.7 | 9.5 | 23.0 | 37.1 | 29.8 | 100.0 | 1,279 |
| Benue | 19.3 | 29.7 | 23.6 | 17.7 | 9.8 | 100.0 | 5,012 |
| Borno | 6.2 | 14.5 | 35.0 | 37.7 | 6.6 | 100.0 | 11,063 |
| Cross River | 1.4 | 18.2 | 35.9 | 27.1 | 17.4 | 100.0 | 3,233 |
| Delta | 0.1 | 5.2 | 19.7 | 36.3 | 38.8 | 100.0 | 2,921 |
| Ebonyi | 7.8 | 33.1 | 33.4 | 19.5 | 6.1 | 100.0 | 2,248 |
| Edo | 0.0 | 3.8 | 9.5 | 29.5 | 57.2 | 100.0 | 2,339 |
| Ekiti | 0.3 | 6.0 | 26.4 | 37.1 | 30.3 | 100.0 | 1,128 |
| Enugu | 0.5 | 6.8 | 27.0 | 36.9 | 28.8 | 100.0 | 2,399 |
| Gombe | 42.4 | 27.0 | 14.0 | 10.3 | 6.4 | 100.0 | 3,291 |
| Imo | 0.4 | 2.1 | 20.2 | 43.7 | 33.6 | 100.0 | 3,270 |
| Jigawa | 50.3 | 29.8 | 8.7 | 6.6 | 4.6 | 100.0 | 8,019 |
| Kaduna | 11.9 | 19.4 | 27.5 | 20.6 | 20.6 | 100.0 | 10,418 |
| Kano | 20.4 | 30.3 | 21.7 | 15.2 | 12.4 | 100.0 | 13,560 |
| Katsina | 43.0 | 27.6 | 11.7 | 8.3 | 9.5 | 100.0 | 10,941 |
| Kebbi | 43.7 | 24.1 | 16.0 | 8.3 | 7.8 | 100.0 | 5,391 |
| Kogi | 2.4 | 17.6 | 36.2 | 31.7 | 12.0 | 100.0 | 3,152 |
| Kwara | 7.5 | 13.6 | 19.9 | 29.4 | 29.6 | 100.0 | 2,709 |
| Lagos | 0.0 | 0.1 | 1.2 | 13.4 | 85.4 | 100.0 | 7,576 |
| Nasarawa | 8.4 | 31.3 | 32.5 | 17.5 | 10.3 | 100.0 | 3,792 |
| Niger | 20.1 | 21.0 | 26.5 | 18.4 | 13.9 | 100.0 | 7,954 |
| Ogun | 0.8 | 6.3 | 14.3 | 26.8 | 51.8 | 100.0 | 2,317 |
| Ondo | 2.0 | 13.7 | 21.4 | 28.3 | 34.5 | 100.0 | 3,471 |
| Osun | 0.4 | 8.0 | 20.1 | 39.8 | 31.8 | 100.0 | 3,257 |
| Oyo | 4.9 | 11.4 | 13.8 | 32.1 | 37.9 | 100.0 | 5,508 |
| Plateau | 24.5 | 22.4 | 19.6 | 14.9 | 18.6 | 100.0 | 6,581 |
| Rivers | 0.2 | 3.7 | 15.7 | 30.4 | 50.0 | 100.0 | 3,729 |
| Sokoto | 46.0 | 28.5 | 11.2 | 8.4 | 5.9 | 100.0 | 5,164 |
| Taraba | 27.3 | 31.4 | 21.9 | 14.1 | 5.2 | 100.0 | 2,974 |
| Yobe | 41.3 | 24.9 | 19.4 | 8.8 | 5.6 | 100.0 | 6,511 |
| Zamfara | 40.2 | 29.3 | 14.0 | 7.5 | 8.9 | 100.0 | 7,663 |
| FCT Abuja | 1.1 | 13.1 | 22.0 | 23.6 | 40.3 | 100.0 | 1,489 |

IV. Child Mortality

Mortality rates presented in this chapter are calculated from information collected in the birth histories of the Women's Questionnaires. All interviewed women were asked whether they had ever given birth, and if yes, they were asked to report the number of sons and daughters who live with them, the number who live elsewhere, and the number who have died. In addition, they were asked to provide a detailed birth history of live births of children in chronological order starting with the firstborn. Women were asked whether births were single or multiple, the sex of the children, the date of birth (month and year), and survival status. Further, for children still alive, they were asked the current age of the child and, if not alive, the age at death. Childhood mortality rates are expressed by conventional age categories and are defined as follows:

- Neonatal mortality (NN): probability of dying within the first month of life
- Post-neonatal mortality (PNN): difference between infant and neonatal mortality rates
- Infant mortality (${}_1q_0$): probability of dying between birth and the first birthday
- Child mortality (${}_4q_1$): probability of dying between the first and the fifth birthdays
- Under-five mortality (${}_5q_0$): the probability of dying between birth and the fifth birthday

Rates are expressed as deaths per 1,000 live births, except in the case of child mortality, which is expressed as deaths per 1,000 children surviving to age one, and post-neonatal mortality, which is the difference between infant and neonatal mortality rates.

| Table CM.1: Early childhood mortality rates | | | | | |
|---|--------------------------------------|--|------------------------------------|-----------------------------------|--|
| Neonatal, post-neonatal, Infant, child and under-five mortality rates for five year periods preceding the survey, Nigeria, 2016-17 | | | | | |
| | Neonatal mortality rate ¹ | Post-neonatal mortality rate ^{2, a} | Infant mortality rate ³ | Child mortality rate ⁴ | Under-five mortality rate ⁵ |
| Years preceding the survey | | | | | |
| 0-4 | 39 | 31 | 70 | 54 | 120 |
| 5-9 | 37 | 34 | 71 | 52 | 119 |
| 10-14 | 38 | 38 | 76 | 68 | 139 |
| ¹ MICS indicator 1.1 - Neonatal mortality rate ² MICS indicator 1.3 - Post-neonatal mortality rate ³ MICS indicator 1.2; MDG indicator 4.2 - Infant mortality rate ⁴ MICS indicator 1.4 - Child mortality rate ⁵ MICS indicator 1.5; MDG indicator 4.1 - Under-five mortality rate | | | | | |
| ^a Post-neonatal mortality rates are computed as the difference between the infant and neonatal mortality rates | | | | | |

Table CM.2: Early childhood mortality rates by socio-economic characteristics

Neonatal, post-neonatal, Infant, child and under-five mortality rates for the five year period preceding the survey, by socio-economic characteristics, Nigeria, 2016-17

| | Neonatal mortality rate ¹ | Post-neonatal mortality rate ^{2, a} | Infant mortality rate ³ | Child mortality rate ⁴ | Under-five mortality rate ⁵ |
|------------------------------------|--------------------------------------|--|------------------------------------|-----------------------------------|--|
| Total | 39 | 31 | 70 | 54 | 120 |
| Geopolitical zone | | | | | |
| North Central | 43 | 29 | 72 | 33 | 103 |
| North East | 33 | 29 | 62 | 56 | 115 |
| North West | 45 | 41 | 87 | 83 | 162 |
| South East | 26 | 20 | 46 | 22 | 67 |
| South South | 22 | 17 | 39 | 21 | 59 |
| South West | 36 | 16 | 52 | 16 | 67 |
| Residence | | | | | |
| Urban | 35 | 18 | 53 | 27 | 78 |
| Rural | 40 | 37 | 77 | 66 | 138 |
| Mother's education | | | | | |
| None | 43 | 38 | 82 | 69 | 145 |
| Non Formal | 41 | 43 | 85 | 86 | 164 |
| Primary | 39 | 28 | 67 | 46 | 110 |
| Secondary | 33 | 19 | 52 | 22 | 73 |
| Higher | 34 | 12 | 46 | 9 | 55 |
| Wealth index quintile | | | | | |
| Poorest | 39 | 41 | 80 | 85 | 158 |
| Second | 42 | 42 | 84 | 78 | 156 |
| Middle | 44 | 31 | 75 | 54 | 125 |
| Fourth | 36 | 21 | 57 | 24 | 80 |
| Richest | 30 | 15 | 45 | 11 | 56 |
| Ethnicity of household head | | | | | |
| Hausa | 42 | 38 | 80 | 75 | 149 |
| Igbo | 28 | 17 | 45 | 19 | 63 |
| Yoruba | 37 | 17 | 54 | 15 | 68 |
| Other ethnic group | 36 | 26 | 62 | 33 | 92 |

¹ MICS indicator 1.1 - Neonatal mortality rate² MICS indicator 1.3 - Post-neonatal mortality rate³ MICS indicator 1.2; MDG indicator 4.2 - Infant mortality rate⁴ MICS indicator 1.4 - Child mortality rate⁵ MICS indicator 1.5; MDG indicator 4.1 - Under-five mortality rate^a Post-neonatal mortality rates are computed as the difference between the infant and neonatal mortality rates

Table CM.2: Early childhood mortality rates by socioeconomic characteristics (Continued)

Neonatal, post-neonatal, Infant, child and under-five mortality rates for the five year period preceding the survey, by socioeconomic characteristics, Nigeria, 2016-17

| | Neonatal mortality rate ¹ | Post-neonatal mortality rate ^{2, a} | Infant mortality rate ³ | Child mortality rate ⁴ | Under-five mortality rate ⁵ |
|--------------|--------------------------------------|--|------------------------------------|-----------------------------------|--|
| Total | 39 | 31 | 70 | 54 | 120 |
| State | | | | | |
| Abia | (32) | 23 | 55 | 30 | 83 |
| Adamawa | 21 | 28 | 49 | 37 | 84 |
| Akwa Ibom | 21 | 21 | 42 | 32 | 73 |
| Anambra | (23) | 16 | 39 | 15 | 53 |
| Bauchi | 41 | 40 | 81 | 87 | 161 |
| Bayelsa | 29 | 27 | 57 | 41 | 95 |
| Benue | 41 | 28 | 70 | 14 | 82 |
| Borno | (26) | 15 | 42 | 42 | 82 |
| Cross River | 20 | 18 | 38 | 15 | 52 |
| Delta | 28 | 19 | 48 | 16 | 63 |
| Ebonyi | 30 | 18 | 47 | 15 | 62 |
| Edo | (†) | (†) | (†) | (†) | (†) |
| Ekiti | (46) | 24 | 69 | 18 | 86 |
| Enugu | (†) | (†) | (†) | (†) | (†) |
| Gombe | 35 | 56 | 90 | 78 | 162 |
| Imo | (35) | 30 | 66 | 33 | 96 |
| Jigawa | 37 | 46 | 83 | 120 | 192 |
| Kaduna | 28 | 38 | 66 | 18 | 82 |
| Kano | 69 | 44 | 112 | 103 | 203 |
| Katsina | 35 | 32 | 68 | 72 | 135 |
| Kebbi | 55 | 56 | 111 | 70 | 174 |
| Kogi | 29 | 20 | 49 | 28 | 75 |
| Kwara | 27 | 12 | 40 | 6 | 45 |
| Lagos | 29 | 16 | 45 | 6 | 50 |
| Nasarawa | 47 | 34 | 81 | 43 | 121 |
| Niger | 59 | 41 | 100 | 54 | 149 |
| Ogun | (28) | 20 | 49 | 19 | 66 |
| Ondo | (30) | 6 | 37 | 32 | 67 |
| Osun | (56) | 21 | 78 | 25 | 101 |
| Oyo | (42) | 17 | 59 | 15 | 73 |
| Plateau | 34 | 20 | 55 | 27 | 80 |
| Rivers | (27) | 14 | 41 | 18 | 58 |
| Sokoto | 28 | 23 | 51 | 72 | 119 |
| Taraba | 22 | 41 | 64 | 45 | 105 |
| Yobe | 44 | 20 | 64 | 41 | 102 |
| Zamfara | 53 | 51 | 104 | 118 | 210 |
| FCT-Abuja | 27 | 17 | 44 | 28 | 71 |

¹ MICS indicator 1.1 - Neonatal mortality rate² MICS indicator 1.3 - Post-neonatal mortality rate³ MICS indicator 1.2; MDG indicator 4.2 - Infant mortality rate⁴ MICS indicator 1.4 - Child mortality rate⁵ MICS indicator 1.5; MDG indicator 4.1 - Under-five mortality rate^a Post-neonatal mortality rates are computed as the difference between the infant and neonatal mortality rates

() Total number of live births (exposure) are based on 250-499 unweighted cases

(†) The result did not pass reliability test

Table CM.3: Early childhood mortality rates by demographic characteristics

Neonatal, post-neonatal, infant, child and under-five mortality rates for the five year period preceding the survey, by demographic characteristics, Nigeria, 2016-17

| | Neonatal mortality rate ¹ | Post-neonatal mortality rate ^{2, a} | Infant mortality rate ³ | Child mortality rate ⁴ | Under-five mortality rate ⁵ |
|--|--------------------------------------|--|------------------------------------|-----------------------------------|--|
| Total | 39 | 31 | 70 | 54 | 120 |
| Sex of child | | | | | |
| Male | 44 | 33 | 77 | 53 | 126 |
| Female | 33 | 30 | 63 | 55 | 114 |
| Mother's age at birth (years) | | | | | |
| Less than 20 | 57 | 39 | 96 | 68 | 158 |
| 20-34 | 34 | 29 | 63 | 49 | 109 |
| 35-49 | 43 | 34 | 77 | 63 | 135 |
| Birth order | | | | | |
| 1 | 48 | 32 | 80 | 45 | 122 |
| 2-3 | 29 | 25 | 54 | 43 | 94 |
| 4-6 | 32 | 29 | 61 | 58 | 115 |
| 7+ | 62 | 45 | 108 | 82 | 181 |
| Previous birth interval^b | | | | | |
| < 2 years | 63 | 46 | 110 | 78 | 179 |
| 2 years | 29 | 29 | 58 | 53 | 108 |
| 3 years | 26 | 22 | 48 | 44 | 90 |
| 4+ years | 23 | 21 | 44 | 35 | 78 |

¹ MICS indicator 1.1 - Neonatal mortality rate² MICS indicator 1.3 - Post-neonatal mortality rate³ MICS indicator 1.2; MDG indicator 4.2 - Infant mortality rate⁴ MICS indicator 1.4 - Child mortality rate⁵ MICS indicator 1.5; MDG indicator 4.1 - Under-five mortality rate^a Post-neonatal mortality rates are computed as the difference between the infant and neonatal mortality rates^b Excludes first order births

V. Nutrition

Low Birth Weight

Table NU.1: Low birth weight infants

Percentage of last live-born children in the last two years that are estimated to have weighed below 2,500 grams at birth and percentage of live births weighed at birth, Nigeria, 2016-17

| | Percent distribution of births by mother's assessment of size at birth | | | | | Total | Percentage of live births: | | Number of last live-born children in the last two years |
|--------------------------------------|--|----------------------|-------------|-----------------------------------|------------|--------------|--------------------------------|-------------------------------|---|
| | Very small | Smaller than average | Average | Larger than average or very large | Don't know | | Below 2,500 grams ¹ | Weighed at birth ² | |
| Total | 3.1 | 9.1 | 53.6 | 32.9 | 1.2 | 100.0 | 14.8 | 25.2 | 11,547 |
| Geopolitical zone | | | | | | | | | |
| North Central | 3.2 | 8.4 | 58.9 | 25.1 | 4.3 | 100.0 | 16.6 | 26.0 | 1,770 |
| North East | 2.1 | 12.4 | 58.5 | 26.5 | 0.5 | 100.0 | 15.7 | 13.0 | 2,394 |
| North West | 4.1 | 9.1 | 50.0 | 36.3 | 0.5 | 100.0 | 14.6 | 11.4 | 4,603 |
| South East | 2.2 | 7.3 | 63.4 | 25.1 | 2.1 | 100.0 | 14.7 | 61.4 | 620 |
| South South | 1.8 | 5.4 | 57.9 | 34.4 | 0.5 | 100.0 | 12.6 | 47.7 | 900 |
| South West | 2.5 | 7.6 | 42.5 | 46.4 | 1.1 | 100.0 | 13.1 | 64.2 | 1,261 |
| Mother's age at birth (years) | | | | | | 100.0 | | | |
| Less than 20 | 3.6 | 9.7 | 54.4 | 31.3 | 1.0 | 100.0 | 15.3 | 12.9 | 1,516 |
| 20-34 | 2.9 | 9.0 | 53.9 | 33.0 | 1.2 | 100.0 | 14.7 | 27.2 | 7,969 |
| 35-49 | 3.5 | 9.2 | 51.9 | 33.9 | 1.6 | 100.0 | 15.0 | 26.8 | 2,062 |
| Birth order | | | | | | | | | |
| 1 | 3.2 | 8.5 | 55.0 | 32.0 | 1.3 | 100.0 | 14.7 | 33.5 | 1,884 |
| 2-3 | 2.8 | 8.2 | 52.9 | 34.9 | 1.2 | 100.0 | 14.2 | 30.4 | 3,771 |
| 4-5 | 2.5 | 10.5 | 54.5 | 31.3 | 1.3 | 100.0 | 15.3 | 25.2 | 2,920 |
| 6+ | 4.0 | 9.5 | 52.8 | 32.5 | 1.2 | 100.0 | 15.2 | 13.5 | 2,972 |
| Residence | | | | | | | | | |
| Urban | 2.5 | 8.6 | 49.3 | 38.7 | 0.9 | 100.0 | 13.8 | 48.7 | 3,426 |
| Rural | 3.3 | 9.4 | 55.5 | 30.4 | 1.4 | 100.0 | 15.3 | 15.3 | 8,121 |
| Mother's education | | | | | | | | | |
| None | 3.7 | 9.2 | 57.2 | 28.3 | 1.6 | 100.0 | 15.6 | 9.4 | 3,208 |
| Non formal | 3.3 | 11.9 | 51.6 | 32.4 | 0.7 | 100.0 | 14.7 | 20.9 | 1,716 |
| Primary | 2.9 | 8.8 | 54.3 | 32.7 | 1.4 | 100.0 | 14.2 | 44.9 | 3,182 |
| Secondary | 2.6 | 8.2 | 52.4 | 35.4 | 1.4 | 100.0 | 12.0 | 81.5 | 882 |
| Higher | 2.2 | 5.1 | 49.3 | 42.8 | 0.6 | 100.0 | 15.8 | 4.2 | 2,560 |
| Wealth index quintile | | | | | | | | | |
| Poorest | 4.0 | 8.2 | 56.3 | 30.0 | 1.6 | 100.0 | 15.2 | 4.0 | 2,587 |
| Second | 3.1 | 10.3 | 56.4 | 28.7 | 1.6 | 100.0 | 15.7 | 8.9 | 2,548 |
| Middle | 3.5 | 10.3 | 53.2 | 31.8 | 1.1 | 100.0 | 15.5 | 19.5 | 2,270 |
| Fourth | 2.3 | 9.7 | 53.5 | 33.7 | 0.9 | 100.0 | 14.5 | 35.9 | 2,113 |
| Richest | 2.4 | 7.0 | 47.4 | 42.3 | 0.9 | 100.0 | 13.0 | 68.3 | 2,028 |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 3.5 | 10.5 | 53.7 | 31.7 | 0.6 | 100.0 | 15.3 | 11.1 | 6,543 |
| Igbo | 2.0 | 6.3 | 58.7 | 31.3 | 1.6 | 100.0 | 13.6 | 64.4 | 923 |
| Yoruba | 2.9 | 7.6 | 42.7 | 45.8 | 1.0 | 100.0 | 13.2 | 63.1 | 1,096 |
| Other ethnic group | 2.6 | 7.7 | 55.9 | 31.3 | 2.5 | 100.0 | 14.8 | 30.2 | 2,985 |

¹ MICS indicator 2.20 - Low-birthweight infants

² MICS indicator 2.21 - Infants weighed at birth

Table NU.1: Low birth weight infants (continued)

Percentage of last live-born children in the last two years that are estimated to have weighed below 2,500 grams at birth and percentage of live births weighed at birth, Nigeria, 2016-17

| | Percent distribution of births by mother's assessment of size at birth | | | | | Total | Percentage of live births: | | Number of last live-born children in the last two years |
|--------------|--|----------------------|-------------|-----------------------------------|------------|--------------|--------------------------------|-------------------------------|---|
| | Very small | Smaller than average | Average | Larger than average or very large | Don't know | | Below 2,500 grams ¹ | Weighed at birth ² | |
| Total | 3.1 | 9.1 | 53.6 | 32.9 | 1.2 | 100.0 | 14.8 | 25.2 | 11,547 |
| State | | | | | | | | | |
| Abia | 3.4 | 5.4 | 58.5 | 30.1 | 2.6 | 100.0 | 14.1 | 46.7 | 99 |
| Adamawa | 3.8 | 5.3 | 57.7 | 32.0 | 1.2 | 100.0 | 13.7 | 29.3 | 264 |
| Akwa Ibom | 0.2 | 3.3 | 66.4 | 30.0 | 0.0 | 100.0 | 11.4 | 30.5 | 228 |
| Anambra | 2.1 | 12.0 | 68.0 | 15.2 | 2.7 | 100.0 | 17.3 | 90.0 | 140 |
| Bauchi | 0.7 | 5.6 | 72.3 | 21.0 | 0.3 | 100.0 | 13.2 | 8.1 | 618 |
| Bayelsa | 3.7 | 7.6 | 59.9 | 28.8 | 0.0 | 100.0 | 14.3 | 23.5 | 73 |
| Benue | 0.4 | 6.2 | 56.0 | 34.7 | 2.7 | 100.0 | 13.6 | 29.8 | 271 |
| Borno | 1.8 | 28.3 | 50.4 | 19.5 | 0.0 | 100.0 | 21.8 | 13.9 | 692 |
| Cross River | 1.9 | 5.8 | 62.8 | 29.5 | 0.0 | 100.0 | 12.7 | 46.7 | 162 |
| Delta | 0.5 | 5.8 | 50.0 | 42.1 | 1.6 | 100.0 | 12.3 | 52.7 | 173 |
| Ebonyi | 2.1 | 6.5 | 69.9 | 18.2 | 3.2 | 100.0 | 15.4 | 39.7 | 111 |
| Edo | 5.3 | 7.7 | 59.0 | 27.4 | 0.6 | 100.0 | 15.3 | 72.6 | 101 |
| Ekiti | 0.6 | 3.1 | 50.2 | 40.9 | 5.2 | 100.0 | 12.1 | 58.8 | 54 |
| Enugu | 0.0 | 5.7 | 63.7 | 27.8 | 2.7 | 100.0 | 13.5 | 61.1 | 105 |
| Gombe | 2.0 | 4.4 | 55.4 | 35.5 | 2.7 | 100.0 | 12.4 | 18.9 | 236 |
| Imo | 3.0 | 6.1 | 57.7 | 33.3 | 0.0 | 100.0 | 13.0 | 60.8 | 164 |
| Jigawa | 2.6 | 6.5 | 61.3 | 29.1 | 0.4 | 100.0 | 13.8 | 9.9 | 595 |
| Kaduna | 4.0 | 9.2 | 52.9 | 33.8 | 0.0 | 100.0 | 14.6 | 33.0 | 663 |
| Kano | 3.5 | 12.9 | 42.0 | 41.2 | 0.4 | 100.0 | 15.4 | 7.8 | 1,038 |
| Katsina | 2.0 | 10.1 | 36.9 | 49.8 | 1.1 | 100.0 | 13.6 | 10.1 | 916 |
| Kebbi | 16.2 | 2.8 | 55.0 | 25.7 | 0.4 | 100.0 | 17.0 | 6.0 | 398 |
| Kogi | 3.8 | 7.4 | 59.3 | 26.0 | 3.5 | 100.0 | 15.2 | 50.0 | 133 |
| Kwara | 5.1 | 4.9 | 56.6 | 33.3 | 0.0 | 100.0 | 13.4 | 43.1 | 115 |
| Lagos | 1.7 | 4.8 | 45.9 | 46.3 | 1.2 | 100.0 | 11.9 | 82.6 | 429 |
| Nasarawa | 2.6 | 7.9 | 48.1 | 39.4 | 2.0 | 100.0 | 14.1 | 29.2 | 244 |
| Niger | 4.9 | 5.1 | 74.9 | 14.3 | 0.9 | 100.0 | 14.9 | 14.5 | 527 |
| Ogun | 1.3 | 7.9 | 39.4 | 50.1 | 1.4 | 100.0 | 12.5 | 54.5 | 132 |
| Ondo | 4.3 | 16.7 | 35.3 | 43.7 | 0.0 | 100.0 | 16.9 | 57.5 | 163 |
| Osun | 6.2 | 9.5 | 45.0 | 39.3 | 0.0 | 100.0 | 15.1 | 48.6 | 161 |
| Oyo | 1.5 | 6.2 | 40.2 | 50.8 | 1.3 | 100.0 | 12.0 | 55.6 | 322 |
| Plateau | 2.8 | 16.5 | 49.0 | 18.0 | 13.8 | 100.0 | 24.5 | 18.9 | 392 |
| Rivers | 2.5 | 5.2 | 47.7 | 44.1 | 0.4 | 100.0 | 12.2 | 62.7 | 163 |
| Sokoto | 4.1 | 10.5 | 55.9 | 28.7 | 0.8 | 100.0 | 15.8 | 5.3 | 409 |
| Taraba | 2.3 | 3.0 | 57.3 | 36.6 | 0.8 | 100.0 | 11.8 | 11.5 | 173 |
| Yobe | 3.4 | 9.0 | 54.2 | 33.4 | 0.0 | 100.0 | 14.2 | 5.4 | 410 |
| Zamfara | 1.5 | 6.9 | 62.0 | 29.2 | 0.3 | 100.0 | 13.4 | 5.1 | 583 |
| FCT Abuja | 2.4 | 7.3 | 49.0 | 40.6 | 0.8 | 100.0 | 13.2 | 47.1 | 89 |

¹ MICS indicator 2.20 - Low-birthweight infants² MICS indicator 2.21 - Infants weighed at birth

Nutritional Status

The reference population used in this report is based on the WHO growth standards⁸. Each of the three nutritional status indicators – weight-for-age, height-for-age, and weight-for-height - can be expressed in standard deviation units (z-scores) from the median of the reference population.

Weight-for-age is a measure of both acute and chronic malnutrition. Children whose weight-for-age is more than two standard deviations below the median of the reference population are considered *moderately or severely underweight* while those whose weight-for-age is more than three standard deviations below the median are classified as *severely underweight*.

Height-for-age is a measure of linear growth. Children whose height-for-age is more than two standard deviations below the median of the reference population are considered short for their age and are classified as *moderately or severely stunted*. Those whose height-for-age is more than three standard deviations below the median are classified as *severely stunted*. Stunting is a reflection of chronic malnutrition as a result of failure to receive adequate nutrition over a long period and recurrent or chronic illness.

Weight-for-height can be used to assess wasting and overweight status. Children whose *weight-for-height* is more than two standard deviations below the median of the reference population are classified as *moderately or severely wasted*, while those who fall more than three standard deviations below the median are classified as *severely wasted*. Wasting is usually the result of a recent nutritional deficiency. The indicator of wasting may exhibit significant seasonal shifts associated with changes in the availability of food or disease prevalence.

Children whose weight-for-height is more than two standard deviations above the median reference population are classified as moderately or severely overweight.

⁸ http://www.who.int/childgrowth/standards/technical_report

Table NU.2: Nutritional status of children

Percentage of children under age 5 by nutritional status according to three anthropometric indices: weight for age, height for age, and weight for height, Nigeria, 2016-17

| | Weight for age | | | | Height for age | | | | Weight for height | | | | | |
|------------------------------------|-----------------------------------|---------------------|-------------------|--------------------------------|-----------------------------------|---------------------|-------------------|--------------------------------|-----------------------------------|---------------------|-----------------------------------|-------------|-------------------|--------------------------------|
| | Underweight | | Mean Z-Score (SD) | Number of children under age 5 | Stunted | | Mean Z-Score (SD) | Number of children under age 5 | Wasted | | Overweight | | Mean Z-Score (SD) | Number of children under age 5 |
| | Percent below - 2 SD ¹ | - 3 SD ² | | | Percent below - 2 SD ³ | - 3 SD ⁴ | | | Percent below - 2 SD ⁵ | - 3 SD ⁶ | Percent above + 2 SD ⁷ | | | |
| Total | 31.5 | 11.5 | -1.4 | 27,400 | 43.6 | 22.8 | -1.7 | 27,292 | 10.8 | 2.9 | 1.5 | -0.6 | 27,637 | |
| Geopolitical zone | | | | | | | | | | | | | | |
| North Central | 19.6 | 5.5 | -1.1 | 4,539 | 34.9 | 14.3 | -1.5 | 4,526 | 7.1 | 1.5 | 2.1 | -0.4 | 4,541 | |
| North East | 40.0 | 14.5 | -1.7 | 5,731 | 52.4 | 29.0 | -2.1 | 5,695 | 13.0 | 3.5 | 1.3 | -0.7 | 5,926 | |
| North West | 42.6 | 17.6 | -1.8 | 10,445 | 58.5 | 33.8 | -2.3 | 10,399 | 12.9 | 3.7 | 1.5 | -0.6 | 10,487 | |
| South East | 13.7 | 3.7 | -0.7 | 1,523 | 16.9 | 5.1 | -0.7 | 1,520 | 8.2 | 2.0 | 2.1 | -0.4 | 1,525 | |
| South South | 13.8 | 3.3 | -0.8 | 2,249 | 19.0 | 7.0 | -0.8 | 2,243 | 6.8 | 2.0 | 1.3 | -0.5 | 2,243 | |
| South West | 16.6 | 3.8 | -0.9 | 2,913 | 19.4 | 5.9 | -0.9 | 2,909 | 8.9 | 2.2 | 0.8 | -0.6 | 2,915 | |
| Sex | | | | | | | | | | | | | | |
| Male | 33.1 | 12.4 | -1.5 | 13,843 | 45.7 | 24.6 | -1.8 | 13,779 | 11.9 | 3.3 | 1.7 | -0.6 | 13,969 | |
| Female | 29.9 | 10.7 | -1.4 | 13,557 | 41.4 | 21.0 | -1.7 | 13,513 | 9.6 | 2.5 | 1.3 | -0.6 | 13,667 | |
| Residence | | | | | | | | | | | | | | |
| Urban | 23.0 | 7.2 | -1.1 | 8,392 | 30.6 | 13.6 | -1.3 | 8,364 | 10.5 | 2.6 | 1.1 | -0.6 | 8,372 | |
| Rural | 35.3 | 13.5 | -1.5 | 19,008 | 49.3 | 26.9 | -1.9 | 18,928 | 10.9 | 3.1 | 1.7 | -0.6 | 19,265 | |
| Age (months) | | | | | | | | | | | | | | |
| 0-5 | 22.6 | 8.8 | -1.0 | 2,676 | 21.8 | 9.3 | -0.8 | 2,674 | 14.8 | 5.5 | 3.7 | -0.5 | 2,662 | |
| 6-11 | 32.6 | 11.7 | -1.4 | 2,610 | 28.3 | 11.6 | -1.2 | 2,600 | 19.0 | 5.0 | 1.3 | -1.0 | 2,619 | |
| 12-17 | 37.1 | 14.2 | -1.6 | 3,101 | 40.5 | 19.3 | -1.6 | 3,090 | 19.2 | 4.7 | 0.6 | -1.0 | 3,129 | |
| 18-23 | 39.5 | 18.4 | -1.7 | 2,338 | 54.0 | 29.8 | -2.2 | 2,323 | 16.2 | 4.4 | 0.9 | -0.9 | 2,359 | |
| 24-35 | 36.7 | 15.2 | -1.6 | 5,367 | 55.2 | 32.8 | -2.2 | 5,342 | 9.7 | 2.5 | 1.3 | -0.5 | 5,425 | |
| 36-47 | 28.4 | 9.6 | -1.4 | 5,691 | 49.4 | 26.5 | -2.0 | 5,666 | 4.8 | 1.3 | 1.8 | -0.3 | 5,732 | |
| 48-59 | 26.9 | 6.9 | -1.4 | 5,616 | 41.4 | 20.1 | -1.7 | 5,597 | 5.4 | 1.1 | 1.3 | -0.4 | 5,710 | |
| Mother's education* | | | | | | | | | | | | | | |
| None | 39.7 | 15.4 | -1.7 | 7,889 | 55.1 | 31.2 | -2.2 | 7,853 | 11.0 | 3.0 | 1.4 | -0.6 | 8,046 | |
| Non-formal | 44.7 | 17.7 | -1.9 | 6,011 | 60.9 | 34.3 | -2.3 | 5,973 | 14.0 | 4.1 | 1.3 | -0.7 | 6,098 | |
| Primary | 27.0 | 8.9 | -1.3 | 4,228 | 38.8 | 18.7 | -1.6 | 4,215 | 9.4 | 2.3 | 1.5 | -0.5 | 4,256 | |
| Secondary | 19.7 | 6.2 | -1.0 | 7,129 | 27.6 | 11.4 | -1.2 | 7,114 | 9.2 | 2.6 | 1.7 | -0.5 | 7,102 | |
| Higher | 12.3 | 3.2 | -0.7 | 2,141 | 15.5 | 5.6 | -0.6 | 2,135 | 8.8 | 1.6 | 1.8 | -0.5 | 2,133 | |
| Wealth index quintile | | | | | | | | | | | | | | |
| Poorest | 46.6 | 18.8 | -1.9 | 6,140 | 62.8 | 36.0 | -2.4 | 6,103 | 13.2 | 4.2 | 1.5 | -0.7 | 6,288 | |
| Second | 38.1 | 15.5 | -1.7 | 5,854 | 54.5 | 31.1 | -2.2 | 5,818 | 11.1 | 3.1 | 1.9 | -0.5 | 5,957 | |
| Middle | 28.5 | 10.3 | -1.4 | 5,434 | 43.5 | 21.9 | -1.7 | 5,414 | 9.6 | 2.1 | 1.4 | -0.5 | 5,461 | |
| Fourth | 24.0 | 6.6 | -1.2 | 5,062 | 32.2 | 13.7 | -1.4 | 5,058 | 10.3 | 2.3 | 1.3 | -0.6 | 5,046 | |
| Richest | 15.8 | 4.3 | -0.8 | 4,910 | 18.3 | 6.9 | -0.8 | 4,900 | 9.2 | 2.5 | 1.4 | -0.6 | 4,886 | |
| Ethnicity of household head | | | | | | | | | | | | | | |
| Hausa | 41.8 | 16.4 | -1.8 | 15,165 | 56.6 | 31.8 | -2.2 | 15,094 | 13.0 | 3.6 | 1.4 | -0.7 | 15,363 | |
| Igbo | 12.9 | 3.4 | -0.6 | 2,275 | 15.5 | 5.6 | -0.6 | 2,268 | 8.4 | 2.2 | 2.3 | -0.4 | 2,256 | |
| Yoruba | 18.0 | 4.3 | -1.0 | 2,597 | 21.1 | 6.9 | -1.0 | 2,593 | 9.0 | 2.2 | 0.9 | -0.6 | 2,598 | |
| Other ethnic group | 20.8 | 6.5 | -1.1 | 7,363 | 33.5 | 15.1 | -1.4 | 7,337 | 7.5 | 1.9 | 1.7 | -0.4 | 7,420 | |

Table NU.2: Nutritional status of children (continued)

Percentage of children under age 5 by nutritional status according to three anthropometric indices: weight for age, height for age, and weight for height, Nigeria, 2016-17

| | Weight for age | | | Number of children under age 5 | Height for age | | | Number of children under age 5 | Weight for height | | | Number of children under age 5 | |
|--------------|-----------------------------------|---------------------|-------------------|--------------------------------|-----------------------------------|---------------------|-------------------|--------------------------------|-----------------------------------|---------------------|------------|--------------------------------|-------------------|
| | Underweight | | Mean Z-Score (SD) | | Stunted | | Mean Z-Score (SD) | | Wasted | | Overweight | | Mean Z-Score (SD) |
| | Percent below - 2 SD ¹ | - 3 SD ² | | | Percent below - 2 SD ³ | - 3 SD ⁴ | | | Percent below - 2 SD ⁵ | - 3 SD ⁶ | | | |
| Total | 31.5 | 11.5 | -1.4 | 27,400 | 43.6 | 22.8 | -1.7 | 27,292 | 10.8 | 2.9 | 1.5 | -0.6 | 27,637 |
| State | | | | | | | | | | | | | |
| Abia | 20.2 | 5.4 | -1.0 | 218 | 20.5 | 4.9 | -0.9 | 219 | 11.0 | 3.0 | 1.1 | -0.7 | 220 |
| Adamawa | 23.7 | 6.9 | -1.3 | 614 | 37.9 | 19.8 | -1.6 | 612 | 9.5 | 3.4 | 1.8 | -0.5 | 617 |
| Akwa Ibom | 22.7 | 6.5 | -1.1 | 592 | 29.4 | 12.3 | -1.1 | 593 | 11.5 | 3.9 | 0.7 | -0.7 | 593 |
| Anambra | 12.3 | 3.0 | -0.4 | 377 | 14.3 | 4.6 | -0.4 | 375 | 8.0 | 1.8 | 3.7 | -0.3 | 379 |
| Bauchi | 48.5 | 15.3 | -1.9 | 1,502 | 64.9 | 35.7 | -2.4 | 1,499 | 7.6 | 1.0 | 1.0 | -0.6 | 1,519 |
| Bayelsa | 10.0 | 2.3 | -0.7 | 174 | 15.3 | 5.5 | -0.8 | 173 | 3.2 | 1.0 | 1.6 | -0.3 | 174 |
| Benue | 15.1 | 4.9 | -0.9 | 678 | 28.8 | 10.0 | -1.2 | 675 | 6.7 | 1.6 | 3.2 | -0.2 | 682 |
| Borno | 36.4 | 12.2 | -1.6 | 1,817 | 45.0 | 23.4 | -1.8 | 1,818 | 17.0 | 4.4 | 0.5 | -0.8 | 1,800 |
| Cross River | 13.9 | 2.8 | -0.8 | 386 | 20.1 | 7.0 | -0.9 | 386 | 5.5 | 1.3 | 1.4 | -0.4 | 386 |
| Delta | 11.2 | 2.2 | -0.7 | 406 | 16.3 | 4.6 | -0.7 | 405 | 4.8 | 0.9 | 0.6 | -0.4 | 403 |
| Ebonyi | 17.6 | 6.7 | -1.0 | 267 | 25.3 | 9.9 | -1.0 | 267 | 10.6 | 3.7 | 3.3 | -0.5 | 265 |
| Edo | 10.2 | 2.1 | -0.6 | 280 | 13.6 | 5.4 | -0.6 | 278 | 6.6 | 2.1 | 1.4 | -0.4 | 279 |
| Ekiti | 11.6 | 3.1 | -0.9 | 122 | 21.9 | 7.3 | -1.1 | 123 | 6.8 | 2.2 | 0.5 | -0.3 | 123 |
| Enugu | 5.7 | 0.5 | -0.4 | 262 | 8.5 | 0.9 | -0.4 | 262 | 3.6 | 0.4 | 1.3 | -0.2 | 262 |
| Gombe | 41.2 | 17.6 | -1.7 | 528 | 54.4 | 32.5 | -2.2 | 527 | 13.4 | 3.9 | 1.5 | -0.7 | 529 |
| Imo | 14.3 | 3.7 | -0.7 | 398 | 17.2 | 5.1 | -0.8 | 398 | 8.1 | 1.5 | 1.1 | -0.4 | 399 |
| Jigawa | 50.4 | 22.2 | -2.0 | 1,366 | 66.0 | 40.7 | -2.6 | 1,359 | 13.8 | 3.8 | 1.2 | -0.7 | 1,379 |
| Kaduna | 34.0 | 12.8 | -1.4 | 1,585 | 47.0 | 27.9 | -1.8 | 1,588 | 11.7 | 4.1 | 2.4 | -0.5 | 1,572 |
| Kano | 40.3 | 16.1 | -1.8 | 2,280 | 58.0 | 32.8 | -2.3 | 2,259 | 10.8 | 2.8 | 1.7 | -0.6 | 2,279 |
| Katsina | 46.4 | 18.5 | -1.9 | 2,051 | 60.9 | 35.8 | -2.4 | 2,035 | 14.9 | 4.1 | 1.4 | -0.7 | 2,056 |
| Kebbi | 44.9 | 18.4 | -1.8 | 916 | 60.3 | 33.0 | -2.3 | 914 | 13.7 | 3.7 | 0.9 | -0.7 | 918 |
| Kogi | 15.4 | 4.8 | -0.9 | 367 | 28.6 | 9.6 | -1.1 | 367 | 8.5 | 2.9 | 1.8 | -0.3 | 367 |

Table NU.2: Nutritional status of children (continued)

Percentage of children under age 5 by nutritional status according to three anthropometric indices: weight for age, height for age, and weight for height, Nigeria, 2016-17

| State | Weight for age | | | Number of children under age 5 | Height for age | | | Number of children under age 5 | Weight for height | | | Number of children under age 5 | |
|-----------|-----------------------------------|---------------------|-------------------|--------------------------------|-----------------------------------|---------------------|-------------------|--------------------------------|-----------------------------------|---------------------|------------|--------------------------------|-------------------|
| | Underweight | | Mean Z-Score (SD) | | Stunted | | Mean Z-Score (SD) | | Wasted | | Overweight | | Mean Z-Score (SD) |
| | Percent below - 2 SD ¹ | - 3 SD ² | | | Percent below - 2 SD ³ | - 3 SD ⁴ | | | Percent below - 2 SD ⁵ | - 3 SD ⁶ | | | |
| Kwara | 22.3 | 7.1 | -1.1 | 351 | 31.5 | 15.4 | -1.4 | 351 | 9.4 | 2.6 | 2.6 | -0.5 | 351 |
| Lagos | 14.5 | 3.2 | -0.8 | 1,039 | 11.4 | 2.4 | -0.6 | 1,039 | 11.4 | 2.7 | 0.7 | -0.7 | 1,038 |
| Nasarawa | 20.7 | 5.6 | -1.1 | 592 | 37.2 | 14.1 | -1.5 | 595 | 6.8 | 1.2 | 1.7 | -0.4 | 592 |
| Niger | 24.3 | 6.9 | -1.3 | 1,246 | 37.3 | 16.1 | -1.6 | 1,237 | 8.8 | 1.7 | 0.8 | -0.5 | 1,248 |
| Ogun | 22.4 | 5.5 | -1.2 | 290 | 26.1 | 10.1 | -1.2 | 290 | 9.0 | 1.4 | 0.0 | -0.7 | 291 |
| Ondo | 16.0 | 2.8 | -0.9 | 403 | 22.4 | 8.8 | -1.1 | 403 | 5.9 | 1.8 | 0.8 | -0.4 | 405 |
| Osun | 18.7 | 6.6 | -1.2 | 335 | 23.5 | 6.8 | -1.3 | 335 | 8.0 | 2.2 | 0.7 | -0.6 | 338 |
| Oyo | 17.4 | 3.4 | -1.0 | 724 | 24.4 | 7.0 | -1.1 | 719 | 7.6 | 1.9 | 1.4 | -0.5 | 721 |
| Plateau | 18.5 | 4.5 | -1.2 | 1,100 | 40.0 | 17.8 | -1.7 | 1,097 | 4.7 | 0.8 | 3.1 | -0.2 | 1,098 |
| Rivers | 7.6 | 1.3 | -0.5 | 411 | 10.9 | 3.3 | -0.4 | 408 | 5.0 | 1.3 | 2.6 | -0.3 | 408 |
| Sokoto | 48.6 | 22.9 | -2.0 | 958 | 60.9 | 33.8 | -2.3 | 953 | 17.2 | 5.6 | 1.1 | -0.9 | 968 |
| Taraba | 24.2 | 9.3 | -1.2 | 403 | 41.4 | 22.9 | -1.8 | 399 | 8.4 | 3.4 | 5.5 | -0.2 | 416 |
| Yobe | 51.0 | 24.1 | -2.1 | 866 | 61.0 | 36.9 | -2.5 | 839 | 17.5 | 5.3 | 1.0 | -0.9 | 1,044 |
| Zamfara | 36.6 | 15.3 | -1.7 | 1,290 | 58.5 | 32.6 | -2.3 | 1,290 | 10.4 | 2.8 | 1.3 | -0.5 | 1,315 |
| FCT Abuja | 12.6 | 2.6 | -0.8 | 205 | 22.8 | 6.3 | -1.0 | 204 | 5.1 | 1.3 | 1.3 | -0.4 | 204 |

¹ MICS indicator 2.1a and MDG indicator 1.8 - Underweight prevalence (moderate and severe)

² MICS indicator 2.1b - Underweight prevalence (severe)

³ MICS indicator 2.2a - Stunting prevalence (moderate and severe)

⁴ MICS indicator 2.2b - Stunting prevalence (severe)

⁵ MICS indicator 2.3a - Wasting prevalence (moderate and severe)

⁶ MICS indicator 2.3b - Wasting prevalence (severe)

⁷ MICS indicator 2.4 - Overweight prevalence

Breastfeeding and infant and Young Child Feeding

UNICEF and WHO recommend that infants be breastfed within one hour of birth, breastfed exclusively for the first six months of life and continue to be breastfed up to 2 years of age and beyond.⁹ Starting at 6 months, breastfeeding should be combined with safe, age-appropriate feeding of solid, semi-solid and soft foods.¹⁰ A summary of key guiding principles^{11, 12} for feeding 6-23 month olds is provided in the table below along with proximate measures for these guidelines collected in this survey.

The guiding principles for which proximate measures and indicators exist are:

- (i) continued breastfeeding;
- (ii) appropriate frequency of meals (but not energy density); and
- (iii) appropriate nutrient content of food.

Feeding frequency is used as proxy for energy intake, requiring children to receive a minimum number of meals/snacks (and milk feeds for non-breastfed children) for their age. Dietary diversity is used to ascertain the adequacy of the nutrient content of the food (not including iron) consumed. For dietary diversity, seven food groups were created for which a child consuming at least four of these is considered to have a better quality diet. In most populations, consumption of at least four food groups means that the child has a high likelihood of consuming at least one animal-source food and at least one fruit or vegetable, in addition to a staple food (grain, root or tuber).¹³

These three dimensions of child feeding are combined into an assessment of the children who received appropriate feeding, using the indicator of “minimum acceptable diet”. To have a minimum acceptable diet in the previous day, a child must have received:

- (i) the appropriate number of meals/snacks/milk feeds;
- (ii) food items from at least 4 food groups; and
- (iii) breast milk or at least 2 milk feeds (for non-breastfed children).

| Guiding Principle (age 6-23 months) | Proximate measures | Table |
|--|---|-------|
| Continue frequent, on-demand breastfeeding for two years and beyond | Breastfed in the last 24 hours | NU.4 |
| Appropriate frequency and energy density of meals | Breastfed children Depending on age, two or three meals/snacks provided in the last 24 hours | NU.6 |
| | Non-breastfed children Four meals/snacks <u>and/or</u> milk feeds provided in the last 24 hours | |
| Appropriate nutrient content of food | Four food groups ¹⁴ eaten in the last 24 hours | NU.6 |
| Appropriate amount of food | No standard indicator exists | na |
| Appropriate consistency of food | No standard indicator exists | na |
| Use of vitamin-mineral supplements or fortified products for infant and mother | No standard indicator exists | na |
| Practice good hygiene and proper food handling | While it was not possible to develop indicators to fully capture programme guidance, one standard indicator does cover part of the principle: Not feeding with a bottle with a nipple | NU.9 |
| Practice responsive feeding, applying the principles of psycho-social care | No standard indicator exists | na |

⁹ WHO. 2003. *Implementing the Global Strategy for Infant and Young Child Feeding. Meeting Report Geneva, 3-5 February, 2003.*

¹⁰ WHO. 2003. *Global Strategy for Infant and Young Child Feeding.*

¹¹ PAHO. 2003. *Guiding principles for complementary feeding of the breastfed child.*

¹² WHO. 2005. *Guiding principles for feeding non-breastfed children 6-24 months of age.*

¹³ WHO. 2008. *Indicators for assessing infant and young child feeding practices. Part 1: Definitions.*

¹⁴ Food groups used for assessment of this indicator are 1) Grains, roots and tubers, 2) legumes and nuts, 3) dairy products (milk, yogurt, cheese), 4) flesh foods (meat, fish, poultry and liver/organ meats), 5) eggs, 6) vitamin-A rich fruits and vegetables, and 7) other fruits and vegetables.

Table NU.3: Initial breastfeeding

Percentage of last live-born children in the last two years who were ever breastfed, breastfed within one hour of birth, and within one day of birth, and percentage who received a prelacteal feed, Nigeria, 2016-17

| | Percentage who were ever breastfed ¹ | Percentage who were first breastfed: | | Percentage who received a prelacteal feed | Number of last live-born children in the last two years |
|------------------------------------|---|---------------------------------------|-------------------------|---|---|
| | | Within one hour of birth ² | Within one day of birth | | |
| Total | 95.0 | 32.8 | 78.7 | 52.1 | 11,547 |
| Geopolitical zone | | | | | |
| North Central | 96.9 | 37.0 | 82.5 | 44.5 | 1,770 |
| North East | 94.9 | 32.1 | 75.5 | 64.8 | 2,394 |
| North West | 93.0 | 31.8 | 78.1 | 59.1 | 4,603 |
| South East | 96.4 | 34.5 | 81.3 | 43.5 | 620 |
| South South | 97.9 | 41.8 | 84.9 | 36.5 | 900 |
| South West | 96.9 | 24.9 | 75.6 | 28.4 | 1,261 |
| Residence | | | | | |
| Urban | 96.4 | 33.9 | 82.2 | 45.9 | 3,426 |
| Rural | 94.4 | 32.4 | 77.2 | 54.7 | 8,121 |
| Months since last birth | | | | | |
| 0-11 | 96.4 | 33.9 | 82.2 | 45.9 | 3,426 |
| 12-23 | 94.4 | 32.4 | 77.2 | 54.7 | 8,121 |
| Assistance at delivery | | | | | |
| Skilled attendant | 96.3 | 35.1 | 82.1 | 43.7 | 4,970 |
| Traditional birth attendant | 95.7 | 39.8 | 78.6 | 58.8 | 1,803 |
| Other | 92.8 | 26.9 | 75.0 | 57.3 | 3,397 |
| No one/Missing | 94.6 | 30.1 | 75.2 | 60.6 | 1,377 |
| Place of delivery | | | | | |
| Home | 93.9 | 31.6 | 76.6 | 59.5 | 6,952 |
| Health facility | 96.8 | 35.2 | 82.5 | 41.4 | 4,333 |
| Public | 96.9 | 38.0 | 84.9 | 42.6 | 2,823 |
| Private | 96.6 | 29.8 | 78.1 | 39.2 | 1,511 |
| Other/DK/Missing | 93.1 | 27.0 | 70.9 | 32.4 | 262 |
| Mother's education | | | | | |
| None | 93.9 | 31.0 | 73.3 | 61.2 | 3,208 |
| Non-formal | 93.1 | 32.2 | 77.3 | 60.0 | 2,560 |
| Primary | 95.4 | 36.3 | 82.4 | 50.7 | 1,716 |
| Secondary | 97.0 | 32.9 | 82.6 | 41.6 | 3,182 |
| Higher | 96.4 | 34.3 | 80.7 | 36.8 | 882 |
| Wealth index quintile | | | | | |
| Poorest | 92.7 | 28.1 | 70.9 | 60.2 | 2,587 |
| Second | 93.8 | 31.3 | 75.5 | 57.7 | 2,548 |
| Middle | 95.5 | 36.0 | 81.9 | 52.8 | 2,270 |
| Fourth | 96.9 | 36.1 | 85.8 | 46.0 | 2,113 |
| Richest | 96.8 | 33.8 | 81.4 | 40.2 | 2,028 |
| Ethnicity of household head | | | | | |
| Hausa | 93.6 | 31.7 | 77.0 | 60.3 | 6,543 |
| Igbo | 97.1 | 33.9 | 81.6 | 40.9 | 923 |
| Yoruba | 96.7 | 28.5 | 76.9 | 27.9 | 1,096 |
| Other ethnic group | 96.8 | 36.7 | 82.0 | 46.4 | 2,985 |

¹ MICS indicator 2.5 - Children ever breastfed² MICS indicator 2.6 - Early initiation of breastfeeding

Table NU.3: Initial breastfeeding (continued)

Percentage of last live-born children in the last two years who were ever breastfed, breastfed within one hour of birth, and within one day of birth, and percentage who received a prelacteal feed, Nigeria, 2016-17

| | Percentage who were ever breastfed ¹ | Percentage who were first breastfed: | | Percentage who received a prelacteal feed | Number of last live-born children in the last two years |
|--------------|---|---------------------------------------|-------------------------|---|---|
| | | Within one hour of birth ² | Within one day of birth | | |
| Total | 95.0 | 32.8 | 78.7 | 52.1 | 11,547 |
| State | | | | | |
| Abia | 96.1 | 31.1 | 77.5 | 31.0 | 99 |
| Adamawa | 94.3 | 29.8 | 78.5 | 47.9 | 264 |
| Akwa Ibom | 98.2 | 35.6 | 83.5 | 25.1 | 228 |
| Anambra | 96.5 | 35.6 | 84.5 | 48.6 | 140 |
| Bauchi | 93.8 | 30.0 | 67.4 | 72.4 | 618 |
| Bayelsa | 96.8 | 34.5 | 82.3 | 71.3 | 73 |
| Benue | 97.7 | 54.3 | 92.6 | 33.4 | 271 |
| Borno | 97.5 | 36.8 | 86.2 | 72.7 | 692 |
| Cross River | 98.3 | 44.1 | 87.9 | 26.5 | 162 |
| Delta | 96.2 | 49.8 | 83.9 | 51.2 | 173 |
| Ebonyi | 94.0 | 52.9 | 88.9 | 22.6 | 111 |
| Edo | 98.2 | 44.6 | 87.0 | 36.4 | 101 |
| Ekiti | 94.1 | 27.6 | 80.2 | 19.2 | 54 |
| Enugu | 98.5 | 39.7 | 83.6 | 49.4 | 105 |
| Gombe | 90.2 | 26.8 | 72.6 | 38.4 | 236 |
| Imo | 96.6 | 20.0 | 74.3 | 56.8 | 164 |
| Jigawa | 94.2 | 12.8 | 75.9 | 71.7 | 595 |
| Kaduna | 98.5 | 28.9 | 93.5 | 51.2 | 663 |
| Kano | 90.2 | 30.8 | 75.4 | 51.3 | 1,038 |
| Katsina | 93.5 | 38.3 | 75.1 | 67.8 | 916 |
| Kebbi | 92.2 | 50.4 | 75.8 | 71.7 | 398 |
| Kogi | 90.9 | 31.7 | 76.3 | 25.4 | 133 |
| Kwara | 99.5 | 66.6 | 93.2 | 15.2 | 115 |
| Lagos | 97.3 | 25.0 | 72.8 | 27.4 | 429 |
| Nasarawa | 95.2 | 20.6 | 80.7 | 49.1 | 244 |
| Niger | 97.7 | 38.6 | 76.2 | 64.1 | 527 |
| Ogun | 96.9 | 15.1 | 68.5 | 57.0 | 132 |
| Ondo | 99.1 | 36.3 | 81.3 | 29.8 | 163 |
| Osun | 94.3 | 23.3 | 79.7 | 16.5 | 161 |
| Oyo | 97.2 | 23.3 | 76.7 | 24.8 | 322 |
| Plateau | 97.2 | 28.0 | 83.5 | 40.0 | 392 |
| Rivers | 99.1 | 41.3 | 84.8 | 31.5 | 163 |
| Sokoto | 90.1 | 45.9 | 80.2 | 54.4 | 409 |
| Taraba | 91.0 | 15.9 | 78.2 | 47.6 | 173 |
| Yobe | 97.2 | 38.7 | 68.4 | 73.2 | 410 |
| Zamfara | 92.2 | 23.4 | 72.1 | 50.2 | 583 |
| FCT Abuja | 97.4 | 29.1 | 85.8 | 36.1 | 89 |

¹ MICS indicator 2.5 - Children ever breastfed² MICS indicator 2.6 - Early initiation of breastfeeding

Table NU.4: Breastfeeding

Percentage of living children according to breastfeeding status at selected age groups, Nigeria, 2016-17

| | Children age 0-5 months | | | Children age 12-15 months | | Children age 20-23 months | |
|------------------------------------|--|--|--------------------|--|--------------------|---|--------------------|
| | Percent exclusively breastfed ¹ | Percent predominantly breastfed ² | Number of children | Percent breastfed (Continued breastfeeding at 1 year) ³ | Number of children | Percent breastfed (Continued breastfeeding at 2 years) ⁴ | Number of children |
| Total | 23.7 | 54.0 | 2,723 | 85.9 | 2,100 | 37.1 | 1,434 |
| Geopolitical zone | | | | | | | |
| North Central | 24.9 | 45.8 | 441 | 82.9 | 270 | 33.6 | 231 |
| North East | 21.3 | 50.4 | 619 | 90.0 | 429 | 52.3 | 333 |
| North West | 18.5 | 56.6 | 1,028 | 92.7 | 925 | 49.0 | 474 |
| South East | 25.3 | 47.8 | 157 | 56.3 | 108 | 10.9 | 91 |
| South South | 27.2 | 52.5 | 207 | 67.7 | 158 | 9.8 | 134 |
| South West | 43.9 | 70.5 | 271 | 80.8 | 209 | 14.5 | 170 |
| Sex | | | | | | | |
| Male | 23.5 | 53.0 | 1,355 | 86.5 | 1,004 | 39.7 | 736 |
| Female | 24.0 | 55.0 | 1,369 | 85.4 | 1,096 | 34.3 | 698 |
| Residence | | | | | | | |
| Urban | 31.7 | 59.5 | 754 | 81.8 | 653 | 23.7 | 450 |
| Rural | 20.7 | 51.9 | 1,969 | 87.8 | 1,447 | 43.2 | 984 |
| Mother's education | | | | | | | |
| None | 19.6 | 47.2 | 761 | 89.4 | 586 | 54.0 | 397 |
| Non-formal | 16.9 | 58.6 | 608 | 92.6 | 509 | 59.1 | 250 |
| Primary | 20.8 | 50.5 | 402 | 85.1 | 311 | 38.6 | 215 |
| Secondary | 30.6 | 56.2 | 761 | 80.1 | 538 | 15.7 | 457 |
| Higher | 41.0 | 65.2 | 190 | 73.5 | 155 | 13.0 | 115 |
| Wealth index quintile | | | | | | | |
| Poorest | 16.4 | 49.7 | 588 | 90.6 | 485 | 56.7 | 283 |
| Second | 20.0 | 51.8 | 639 | 90.7 | 467 | 53.7 | 307 |
| Middle | 23.7 | 54.9 | 551 | 86.2 | 405 | 39.4 | 260 |
| Fourth | 27.1 | 54.4 | 537 | 81.0 | 385 | 18.5 | 312 |
| Richest | 35.8 | 61.8 | 408 | 78.5 | 357 | 17.0 | 273 |
| Ethnicity of household head | | | | | | | |
| Hausa | 18.7 | 52.6 | 1,573 | 92.0 | 1,254 | 49.7 | 765 |
| Igbo | 31.9 | 51.1 | 247 | 57.8 | 146 | 14.5 | 142 |
| Yoruba | 42.8 | 70.4 | 205 | 81.0 | 199 | 12.6 | 146 |
| Other ethnic group | 26.6 | 53.4 | 698 | 80.9 | 502 | 29.5 | 381 |

¹ MICS indicator 2.7 - Exclusive breastfeeding under 6 months² MICS indicator 2.8 - Predominant breastfeeding under 6 months³ MICS indicator 2.9 - Continued breastfeeding at 1 year⁴ MICS indicator 2.10 - Continued breastfeeding at 2 years

Note: Data by state are not shown because samples are too small to give meaningful results

Table NU.5: Duration of breastfeeding

Median duration of any breastfeeding, exclusive breastfeeding, and predominant breastfeeding among children age 0-35 months, Nigeria, 2016-17

| | Median duration (in months) of: | | | Number of children age 0-35 months |
|------------------------------------|---------------------------------|-------------------------|---------------------------|------------------------------------|
| | Any breastfeeding ¹ | Exclusive breastfeeding | Predominant breastfeeding | |
| Median | 19.9 | 0.6 | 3.1 | 16,411 |
| Geopolitical zone | | | | |
| North Central | 19.0 | 0.5 | 1.9 | 2,631 |
| North East | 21.4 | 0.5 | 2.6 | 3,482 |
| North West | 21.3 | 0.5 | 3.4 | 6,275 |
| South East | 14.1 | 0.6 | 2.4 | 919 |
| South South | 15.5 | 0.6 | 2.8 | 1,336 |
| South West | 16.8 | 2.0 | 4.8 | 1,768 |
| Sex | | | | |
| Male | 19.9 | 0.5 | 3.0 | 8,306 |
| Female | 19.9 | 0.6 | 3.1 | 8,105 |
| Residence | | | | |
| Urban | 18.0 | 0.7 | 3.7 | 4,981 |
| Rural | 20.7 | 0.5 | 2.8 | 11,430 |
| Mother's education | | | | |
| None | 21.5 | 0.5 | 2.1 | 4,697 |
| Non-formal | 21.6 | 0.5 | 3.8 | 3,581 |
| Primary | 19.9 | 0.5 | 2.6 | 2,454 |
| Secondary | 17.4 | 0.7 | 3.3 | 4,398 |
| Higher | 15.7 | 0.7 | 4.4 | 1,281 |
| Wealth index quintile | | | | |
| Poorest | 21.8 | 0.5 | 2.4 | 3,665 |
| Second | 21.3 | 0.5 | 2.8 | 3,533 |
| Middle | 20.4 | 0.5 | 3.0 | 3,198 |
| Fourth | 17.5 | 0.6 | 3.1 | 3,093 |
| Richest | 16.6 | 0.7 | 4.1 | 2,924 |
| Ethnicity of household head | | | | |
| Hausa | 21.2 | 0.5 | 2.9 | 9,126 |
| Igbo | 14.1 | 1.0 | 2.6 | 1,381 |
| Yoruba | 17.1 | 1.7 | 4.8 | 1,542 |
| Other ethnic group | 18.8 | 0.6 | 2.9 | 4,363 |
| Mean | 19.4 | 1.6 | 4.0 | 16,411 |

¹ MICS indicator 2.11 - Duration of breastfeeding

Table NU.5: Duration of breastfeeding (continued)

Median duration of any breastfeeding, exclusive breastfeeding, and predominant breastfeeding among children age 0-35 months, Nigeria, 2016-17

| | Median duration (in months) of: | | | Number of children age 0-35 months |
|---------------|---------------------------------|-------------------------|---------------------------|------------------------------------|
| | Any breastfeeding ¹ | Exclusive breastfeeding | Predominant breastfeeding | |
| Median | 19.9 | 0.6 | 3.1 | 16,411 |
| State | | | | |
| Abia | 15.4 | 0.7 | 2.0 | 138 |
| Adamawa | 20.8 | 1.5 | 2.4 | 371 |
| Akwa Ibom | 15.1 | 0.7 | 3.0 | 356 |
| Anambra | 13.3 | 0.4 | 0.4 | 216 |
| Bauchi | 23.3 | 0.5 | 0.6 | 900 |
| Bayelsa | 15.4 | 0.5 | 2.9 | 98 |
| Benue | 19.6 | 0.6 | 0.7 | 378 |
| Borno | 18.9 | 0.6 | 4.0 | 1,034 |
| Cross River | 18.1 | | 2.3 | 230 |
| Delta | 15.0 | 1.1 | 2.9 | 243 |
| Ebonyi | 15.6 | 2.1 | 3.7 | 166 |
| Edo | 15.9 | 1.0 | 1.7 | 165 |
| Ekiti | 15.7 | 2.4 | 4.1 | 72 |
| Enugu | 15.5 | 1.1 | 1.9 | 160 |
| Gombe | 21.5 | 0.6 | 3.9 | 321 |
| Imo | 13.1 | 0.5 | 3.2 | 240 |
| Jigawa | 20.9 | 0.5 | 4.3 | 840 |
| Kaduna | 21.5 | 0.5 | 0.7 | 920 |
| Kano | 21.1 | 0.5 | 4.4 | 1,396 |
| Katsina | 20.8 | 0.4 | 0.7 | 1,247 |
| Kebbi | 21.2 | 0.4 | 3.1 | 536 |
| Kogi | 17.0 | 0.5 | 3.9 | 199 |
| Kwara | 19.8 | 1.1 | 2.5 | 192 |
| Lagos | 15.8 | 2.7 | 5.9 | 642 |
| Nasarawa | 18.9 | 0.5 | 0.7 | 347 |
| Niger | 20.3 | 0.4 | 0.6 | 772 |
| Ogun | 16.6 | 0.6 | 5.4 | 171 |
| Ondo | 16.1 | 0.8 | 1.9 | 244 |
| Osun | 19.3 | 2.9 | 4.4 | 214 |
| Oyo | 17.6 | 2.5 | 5.2 | 425 |
| Plateau | 18.3 | 0.6 | 4.1 | 613 |
| Rivers | 13.1 | 0.5 | 4.3 | 244 |
| Sokoto | 21.8 | 0.7 | 4.9 | 547 |
| Taraba | 20.6 | 0.7 | 2.9 | 249 |
| Yobe | 22.7 | 0.4 | 1.2 | 608 |
| Zamfara | 21.8 | 0.7 | 6.5 | 789 |
| FCT Abuja | 16.4 | 2.9 | 4.7 | 129 |
| Mean | 19.4 | 1.6 | 4.0 | 16,411 |

¹ MICS indicator 2.11 - Duration of breastfeeding

Table NU.6: Age-appropriate breastfeeding

Percentage of children age 0-23 months who were appropriately breastfed during the previous day, Nigeria, 2016-17

| | Children age 0-5 months | | Children age 6-23 months | | Children age 0-23 months | |
|------------------------------------|--|--------------------|---|--------------------|--|--------------------|
| | Percent exclusively breastfed ¹ | Number of children | Percent currently breastfeeding and receiving solid, semi-solid or soft foods | Number of children | Percent appropriately breastfed ² | Number of children |
| Total | 23.7 | 2,723 | 69.7 | 8,174 | 58.2 | 10,898 |
| Geopolitical zone | | | | | | |
| North Central | 24.9 | 441 | 66.9 | 1,217 | 55.7 | 1,658 |
| North East | 21.3 | 619 | 75.6 | 1,677 | 60.9 | 2,297 |
| North West | 18.5 | 1,028 | 77.6 | 3,268 | 63.4 | 4,296 |
| South East | 25.3 | 157 | 48.5 | 458 | 42.6 | 615 |
| South South | 27.2 | 207 | 53.8 | 658 | 47.4 | 865 |
| South West | 43.9 | 271 | 56.2 | 896 | 53.4 | 1,167 |
| Sex | | | | | | |
| Male | 23.5 | 1,355 | 69.4 | 4,086 | 58.0 | 5,440 |
| Female | 24.0 | 1,369 | 70.0 | 4,089 | 58.5 | 5,457 |
| Residence | | | | | | |
| Urban | 31.7 | 754 | 63.3 | 2,487 | 56.0 | 3,241 |
| Rural | 20.7 | 1,969 | 72.5 | 5,687 | 59.2 | 7,656 |
| Mother's education | | | | | | |
| None | 19.6 | 761 | 76.4 | 2,322 | 62.4 | 3,084 |
| Non-formal | 16.9 | 608 | 78.4 | 1,789 | 62.8 | 2,397 |
| Primary | 20.8 | 402 | 70.8 | 1,192 | 58.2 | 1,595 |
| Secondary | 30.6 | 761 | 59.7 | 2,234 | 52.3 | 2,994 |
| Higher | 41.0 | 190 | 53.7 | 637 | 50.8 | 827 |
| Wealth index quintile | | | | | | |
| Poorest | 16.4 | 588 | 78.3 | 1,851 | 63.4 | 2,439 |
| Second | 20.0 | 639 | 74.3 | 1,753 | 59.8 | 2,392 |
| Middle | 23.7 | 551 | 73.4 | 1,565 | 60.4 | 2,115 |
| Fourth | 27.1 | 537 | 61.0 | 1,492 | 52.0 | 2,030 |
| Richest | 35.8 | 408 | 58.6 | 1,514 | 53.8 | 1,922 |
| Ethnicity of household head | | | | | | |
| Hausa | 18.7 | 1,573 | 76.7 | 4,600 | 61.9 | 6,172 |
| Igbo | 31.9 | 247 | 48.4 | 674 | 43.9 | 921 |
| Yoruba | 42.8 | 205 | 59.0 | 793 | 55.7 | 998 |
| Other ethnic group | 26.6 | 698 | 65.3 | 2,108 | 55.7 | 2,807 |

¹ MICS indicator 2.7 - Exclusive breastfeeding under 6 months² MICS indicator 2.12 - Age-appropriate breastfeeding

Table NU.6: Age-appropriate breastfeeding (continued)

Percentage of children age 0-23 months who were appropriately breastfed during the previous day, Nigeria, 2016-17

| | Children age 0-5 months | | Children age 6-23 months | | Children age 0-23 months | |
|--------------|--|--------------------|---|--------------------|--|--------------------|
| | Percent exclusively breastfed ¹ | Number of children | Percent currently breastfeeding and receiving solid, semi-solid or soft foods | Number of children | Percent appropriately breastfed ² | Number of children |
| Total | 23.7 | 2,723 | 69.7 | 8,174 | 58.2 | 10,898 |
| State | | | | | | |
| Abia | (18.6) | 24 | 53.9 | 68 | 44.6 | 92 |
| Adamawa | 34.2 | 69 | 78.9 | 187 | 66.9 | 255 |
| Akwa Ibom | 28.3 | 63 | 53.1 | 165 | 46.2 | 228 |
| Anambra | (24.6) | 31 | 51.0 | 106 | 45.1 | 136 |
| Bauchi | 13.6 | 176 | 88.0 | 419 | 66.0 | 595 |
| Bayelsa | (29.4) | 13 | 51.8 | 52 | 47.2 | 65 |
| Benue | 40.9 | 60 | 65.9 | 185 | 59.8 | 245 |
| Borno | (29.5) | 175 | 64.8 | 485 | 55.4 | 660 |
| Cross River | (7.8) | 34 | 64.6 | 107 | 50.9 | 141 |
| Delta | (25.2) | 40 | 46.7 | 129 | 41.6 | 170 |
| Ebonyi | 43.9 | 35 | 46.8 | 74 | 45.9 | 109 |
| Edo | (27.1) | 27 | 63.6 | 79 | 54.4 | 106 |
| Ekiti | (*) | 9 | 49.3 | 38 | 48.7 | 47 |
| Enugu | (19.0) | 24 | 49.9 | 81 | 42.8 | 105 |
| Gombe | 24.5 | 62 | 73.8 | 168 | 60.5 | 230 |
| Imo | 17.7 | 43 | 43.8 | 129 | 37.3 | 172 |
| Jigawa | 15.5 | 139 | 72.9 | 439 | 59.1 | 578 |
| Kaduna | 19.7 | 124 | 84.5 | 484 | 71.3 | 608 |
| Kano | 18.6 | 246 | 78.1 | 709 | 62.8 | 956 |
| Katsina | 6.7 | 203 | 79.2 | 673 | 62.3 | 876 |
| Kebbi | 9.5 | 92 | 79.2 | 273 | 61.6 | 365 |
| Kogi | (32.0) | 31 | 50.3 | 103 | 46.1 | 135 |
| Kwara | (35.7) | 28 | 68.1 | 82 | 59.9 | 110 |
| Lagos | 51.8 | 87 | 50.4 | 320 | 50.7 | 407 |
| Nasarawa | 21.3 | 59 | 68.4 | 166 | 56.0 | 225 |
| Niger | 6.2 | 125 | 74.0 | 365 | 56.7 | 490 |
| Ogun | (20.9) | 28 | 50.5 | 92 | 43.5 | 120 |
| Ondo | 23.5 | 41 | 54.6 | 115 | 46.5 | 155 |
| Osun | 55.3 | 31 | 67.4 | 117 | 64.8 | 148 |
| Oyo | 49.5 | 75 | 63.5 | 214 | 59.8 | 289 |
| Plateau | 29.4 | 116 | 65.9 | 252 | 54.4 | 368 |
| Rivers | (49.1) | 29 | 47.4 | 126 | 47.7 | 156 |
| Sokoto | 45.0 | 91 | 75.1 | 291 | 67.9 | 381 |
| Taraba | 32.0 | 41 | 68.3 | 122 | 59.2 | 162 |
| Yobe | 4.9 | 98 | 77.5 | 296 | 59.5 | 394 |
| Zamfara | 26.2 | 132 | 71.4 | 400 | 60.2 | 532 |
| FCT Abuja | 52.0 | 21 | 54.3 | 64 | 53.7 | 85 |

¹ MICS indicator 2.7 - Exclusive breastfeeding under 6 months² MICS indicator 2.12 - Age-appropriate breastfeeding

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table NU.7: Introduction of solid, semi-solid, or soft foods

Percentage of infants age 6-8 months who received solid, semi-solid, or soft foods during the previous day, Nigeria, 2016-2017

| | Currently breastfeeding | | Currently not breastfeeding | | All | |
|---------------------------|---|-----------------------------------|---|-----------------------------------|--|-----------------------------------|
| | Percent receiving solid, semi-solid or soft foods | Number of children age 6-8 months | Percent receiving solid, semi-solid or soft foods | Number of children age 6-8 months | Percent receiving solid, semi-solid or soft foods ¹ | Number of children age 6-8 months |
| Total | 79.1 | 1426 | (77.2) | 34 | 79.0 | 1460 |
| Geopolitical Zones | | | | | | |
| North Central | 83.7 | 230 | (*) | 7 | 83.4 | 237 |
| North East | 78.4 | 269 | (*) | 6 | 78.2 | 275 |
| North West | 79.5 | 570 | (*) | 17 | 79.3 | 587 |
| South East | 86.4 | 73 | (*) | 3 | 86.9 | 76 |
| South South | 82.8 | 114 | (*) | 1 | 83.0 | 115 |
| South West | 67.2 | 171 | | 0 | 67.2 | 171 |
| Sex | | | | | | |
| Male | 78.2 | 720 | (*) | 19 | 78.1 | 739 |
| Female | 80.0 | 706 | (*) | 15 | 80.0 | 721 |
| Residence | | | | | | |
| Urban | 79.5 | 411 | (*) | 5 | 79.7 | 416 |
| Rural | 78.9 | 1015 | (73.4) | 29 | 78.8 | 1044 |

¹ MICS indicator 2.13 - Introduction of solid, semi-solid or soft foods

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table NU.8: Infant and young child feeding (IYCF) practices

Percentage of children age 6-23 months who received appropriate liquids and solid, semi-solid, or soft foods the minimum number of times or more during the previous day, by breastfeeding status, Nigeria, 2016-17

| | Currently breastfeeding | | | | Currently not breastfeeding | | | | All | | | | |
|---------------------------|--|-------------------------------------|--|------------------------------------|--|-------------------------------------|--|------------------------------------|------------------------------------|--|---------------------------------------|--------------------------------------|------------------------------------|
| | Percent of children who received: | | | Number of children age 6-23 months | Percent of children who received: | | | | Number of children age 6-23 months | Percent of children who received: | | | Number of children age 6-23 months |
| | Minimum dietary diversity ^a | Minimum meal frequency ^b | Minimum acceptable diet ^{1,c} | | Minimum dietary diversity ^a | Minimum meal frequency ^b | Minimum acceptable diet ^{2,c} | At least 2 milk feeds ³ | | Minimum dietary diversity ^{4,a} | Minimum meal frequency ^{5,b} | Minimum acceptable diet ^c | |
| Total | 35.6 | 42.9 | 16.5 | 6,217 | 56.1 | 40.4 | 11.0 | 24.9 | 1,716 | 40.2 | 42.4 | 15.3 | 8,174 |
| Geopolitical zone | | | | | | | | | | | | | |
| North Central | 35.5 | 46.9 | 18.2 | 880 | 58.9 | 45.4 | 12.0 | 21.0 | 298 | 41.5 | 46.5 | 16.6 | 1,217 |
| North East | 28.3 | 47.9 | 16.1 | 1,379 | 49.1 | 41.9 | 14.2 | 20.0 | 248 | 31.7 | 47.0 | 15.8 | 1,677 |
| North West | 36.4 | 40.7 | 15.5 | 2,760 | 44.0 | 35.7 | 6.8 | 24.9 | 411 | 37.5 | 40.1 | 14.4 | 3,268 |
| South East | 39.3 | 52.6 | 19.8 | 238 | 67.4 | 42.7 | 13.4 | 30.1 | 201 | 52.3 | 48.1 | 16.9 | 458 |
| South South | 48.1 | 46.2 | 24.3 | 383 | 65.2 | 38.6 | 11.0 | 20.1 | 260 | 55.2 | 43.1 | 18.9 | 658 |
| South West | 39.5 | 29.7 | 13.4 | 577 | 59.9 | 40.4 | 11.6 | 33.7 | 298 | 46.8 | 33.4 | 12.8 | 896 |
| Sex | | | | | | | | | | | | | |
| Male | 35.3 | 42.2 | 15.2 | 3,109 | 56.4 | 40.8 | 11.1 | 26.1 | 868 | 39.9 | 41.9 | 14.3 | 4,086 |
| Female | 35.9 | 43.6 | 17.8 | 3,108 | 55.7 | 40.0 | 10.9 | 23.8 | 848 | 40.5 | 42.9 | 16.3 | 4,089 |
| Residence | | | | | | | | | | | | | |
| Urban | 40.9 | 36.3 | 15.5 | 1,715 | 62.9 | 43.8 | 14.9 | 34.0 | 689 | 47.5 | 38.5 | 15.3 | 2,487 |
| Rural | 33.6 | 45.5 | 16.9 | 4,502 | 51.5 | 38.0 | 8.3 | 18.8 | 1,027 | 37.0 | 44.1 | 15.3 | 5,687 |
| Mother's education | | | | | | | | | | | | | |
| None | 32.3 | 44.4 | 15.7 | 1,929 | 46.9 | 34.5 | 9.5 | 18.7 | 319 | 34.5 | 43.0 | 14.8 | 2,322 |
| Non-formal | 29.0 | 39.5 | 12.6 | 1,543 | 41.7 | 27.6 | 4.6 | 17.0 | 194 | 30.2 | 38.2 | 11.7 | 1,789 |
| Primary | 36.5 | 46.7 | 18.3 | 913 | 55.4 | 36.8 | 7.9 | 19.7 | 242 | 40.5 | 44.6 | 16.2 | 1,192 |
| Secondary | 42.9 | 43.9 | 20.7 | 1,454 | 58.8 | 40.9 | 10.3 | 22.5 | 715 | 48.6 | 42.9 | 17.2 | 2,234 |
| Higher | 49.4 | 36.6 | 16.6 | 377 | 71.9 | 60.0 | 23.2 | 51.4 | 247 | 58.9 | 45.8 | 19.2 | 637 |

Table NU.8: Infant and young child feeding (IYCF) practices

Percentage of children age 6-23 months who received appropriate liquids and solid, semi-solid, or soft foods the minimum number of times or more during the previous day, by breastfeeding status, Nigeria, 2016-17

| | Currently breastfeeding | | | Number of children age 6-23 months | Currently not breastfeeding | | | | Number of children age 6-23 months | All | | | Number of children age 6-23 months |
|---|--|-------------------------------------|--|------------------------------------|--|-------------------------------------|--|------------------------------------|------------------------------------|--|---------------------------------------|--------------------------------------|------------------------------------|
| | Percent of children who received: | | | | Percent of children who received: | | | | | Percent of children who received: | | | |
| | Minimum dietary diversity ^a | Minimum meal frequency ^b | Minimum acceptable diet ^{1,c} | | Minimum dietary diversity ^a | Minimum meal frequency ^b | Minimum acceptable diet ^{2,c} | At least 2 milk feeds ³ | | Minimum dietary diversity ^{4,a} | Minimum meal frequency ^{5,b} | Minimum acceptable diet ^c | |
| Wealth index quintile | | | | | | | | | | | | | |
| Poorest | 27.8 | 43.0 | 14.0 | 1,582 | 40.2 | 34.8 | 6.2 | 17.1 | 207 | 29.2 | 42.1 | 13.1 | 1,851 |
| Second | 29.8 | 47.0 | 16.5 | 1,449 | 46.1 | 41.7 | 7.6 | 13.8 | 260 | 32.6 | 46.2 | 15.2 | 1,753 |
| Middle | 36.4 | 46.3 | 16.9 | 1,231 | 49.6 | 29.6 | 7.3 | 16.5 | 274 | 39.1 | 43.3 | 15.2 | 1,565 |
| Fourth | 40.7 | 37.6 | 16.7 | 986 | 63.0 | 38.2 | 10.5 | 24.3 | 463 | 47.8 | 37.8 | 14.7 | 1,492 |
| Richest | 50.8 | 37.9 | 19.9 | 969 | 64.7 | 49.6 | 17.1 | 38.8 | 513 | 56.0 | 41.9 | 18.9 | 1,514 |
| Ethnicity of household head | | | | | | | | | | | | | |
| Hausa | 33.6 | 42.5 | 15.3 | 3,822 | 47.8 | 36.1 | 9.7 | 24.8 | 629 | 35.8 | 41.6 | 14.5 | 4,600 |
| Igbo | 41.4 | 44.5 | 18.1 | 358 | 66.2 | 43.2 | 13.7 | 34.1 | 296 | 52.6 | 44.0 | 16.1 | 674 |
| Yoruba | 46.4 | 29.0 | 16.0 | 524 | 65.6 | 38.9 | 12.2 | 30.7 | 248 | 52.9 | 32.1 | 14.8 | 793 |
| Other ethnic group | 35.5 | 48.5 | 19.5 | 1,513 | 55.7 | 44.4 | 10.5 | 17.5 | 544 | 41.1 | 47.4 | 17.1 | 2,108 |
| ¹ MICS indicator 2.17a - Minimum acceptable diet (breastfed) ² MICS indicator 2.17b - Minimum acceptable diet (non-breastfed) ³ MICS indicator 2.14 - Milk feeding frequency for non-breastfed children ⁴ MICS indicator 2.16 - Minimum dietary diversity ⁵ MICS indicator 2.15 - Minimum meal frequency | | | | | | | | | | | | | |
| ^a Minimum dietary diversity is defined as receiving foods from at least 4 of 7 food groups: 1) Grains, roots and tubers, 2) legumes and nuts, 3) dairy products (milk, yogurt, cheese), 4) flesh foods (meat, fish, poultry and liver/organ meats), 5) eggs, 6) vitamin-A rich fruits and vegetables, and 7) other fruits and vegetables. ^b Minimum meal frequency among currently breastfeeding children is defined as children who also received solid, semi-solid, or soft foods 2 times or more daily for children age 6-8 months and 3 times or more daily for children age 9-23 months. For non-breastfeeding children age 6-23 months it is defined as receiving solid, semi-solid or soft foods, or milk feeds, at least 4 times. ^c The minimum acceptable diet for breastfed children age 6-23 months is defined as receiving the minimum dietary diversity and the minimum meal frequency, while it for non-breastfed children further requires at least 2 milk feedings and that the minimum dietary diversity is achieved without counting milk feeds. | | | | | | | | | | | | | |

Table NU.8: Infant and young child feeding (IYCF) practices (continued)

Percentage of children age 6-23 months who received appropriate liquids and solid, semi-solid, or soft foods the minimum number of times or more during the previous day, by breastfeeding status, Nigeria, 2016-17

| | Currently breastfeeding | | | | Currently not breastfeeding | | | | All | | | | |
|--------------|--|-------------------------------------|---|------------------------------------|--|-------------------------------------|---|------------------------------------|------------------------------------|---|--|--------------------------------------|------------------------------------|
| | Percent of children who received: | | | | Percent of children who received: | | | | Percent of children who received: | | | | |
| | Minimum dietary diversity ^a | Minimum meal frequency ^b | Minimum acceptable diet ^{1, c} | Number of children age 6-23 months | Minimum dietary diversity ^a | Minimum meal frequency ^b | Minimum acceptable diet ^{2, c} | At least 2 milk feeds ³ | Number of children age 6-23 months | Minimum dietary diversity ^{4, a} | Minimum meal frequency ^{5, b} | Minimum acceptable diet ^c | Number of children age 6-23 months |
| Total | 35.6 | 42.9 | 16.5 | 6,217 | 56.1 | 40.4 | 11.0 | 24.9 | 1,716 | 40.2 | 42.4 | 15.3 | 8,174 |
| State | | | | | | | | | | | | | |
| Abia | 46.0 | 40.9 | 16.0 | 38 | 81.6 | 40.8 | 15.9 | 35.3 | 28 | 60.9 | 40.9 | 16.0 | 68 |
| Adamawa | 39.1 | 56.4 | 22.7 | 154 | (65.0) | (56.8) | (25.0) | (37.0) | 28 | 43.8 | 56.4 | 23.0 | 187 |
| Akwa Ibom | 46.9 | 43.5 | 18.2 | 94 | 66.9 | 26.1 | 12.1 | 25.6 | 66 | 55.0 | 36.4 | 15.7 | 165 |
| Anambra | 29.0 | 77.3 | 22.3 | 56 | 56.6 | 51.2 | 13.2 | 31.4 | 42 | 41.0 | 66.2 | 18.4 | 106 |
| Bauchi | 22.4 | 53.6 | 15.7 | 387 | (35.2) | (50.6) | (.0) | (6.9) | 31 | 23.5 | 53.4 | 14.5 | 419 |
| Bayelsa | 37.5 | 53.5 | 20.7 | 28 | 59.1 | 41.4 | 1.9 | 7.9 | 22 | 48.1 | 48.2 | 12.4 | 52 |
| Benue | 25.0 | 61.2 | 17.0 | 139 | (57.0) | (33.2) | (4.4) | (8.9) | 41 | 32.5 | 54.9 | 14.2 | 185 |
| Borno | 28.3 | 49.8 | 15.3 | 335 | (*) | (*) | (*) | (*) | 120 | 34.7 | 45.3 | 15.7 | 485 |
| Cross River | 51.0 | 65.3 | 40.6 | 71 | (60.3) | (47.3) | (5.6) | (10.3) | 35 | 53.4 | 59.4 | 29.1 | 107 |
| Delta | 48.0 | 40.8 | 24.1 | 68 | 66.1 | 46.6 | 12.3 | 17.0 | 57 | 57.2 | 43.4 | 18.8 | 129 |
| Ebonyi | 24.9 | 45.7 | 21.0 | 44 | 59.4 | 48.6 | 19.7 | 26.6 | 27 | 37.8 | 46.8 | 20.5 | 74 |
| Edo | 46.8 | 9.6 | 2.3 | 54 | (71.4) | (8.8) | (5.8) | (9.5) | 24 | 55.2 | 9.4 | 3.4 | 79 |
| Ekiti | 40.7 | 25.2 | 18.0 | 23 | (70.4) | (32.8) | (9.4) | (20.9) | 14 | 52.0 | 28.1 | 14.7 | 38 |
| Enugu | 48.2 | 38.6 | 16.2 | 42 | 61.0 | 29.3 | 4.8 | 24.8 | 39 | 54.4 | 34.1 | 10.7 | 81 |
| Gombe | 25.9 | 66.2 | 23.3 | 137 | (35.5) | (60.5) | (13.3) | (23.2) | 28 | 27.4 | 65.2 | 21.6 | 168 |
| Imo | 49.5 | 51.7 | 21.7 | 58 | 75.3 | 43.5 | 15.1 | 31.6 | 65 | 63.9 | 47.4 | 18.2 | 129 |
| Jigawa | 27.1 | 38.3 | 13.3 | 353 | 24.6 | 21.1 | 1.4 | 9.6 | 78 | 26.9 | 35.2 | 11.1 | 439 |
| Kaduna | 62.1 | 43.5 | 16.9 | 417 | (54.2) | (51.7) | (7.4) | (34.7) | 58 | 61.3 | 44.5 | 15.8 | 484 |
| Kano | 30.3 | 40.5 | 14.6 | 604 | 39.2 | 42.3 | 17.1 | 34.2 | 86 | 32.0 | 40.7 | 15.0 | 709 |
| Katsina | 34.6 | 52.4 | 19.8 | 560 | 47.9 | 34.0 | 2.2 | 24.4 | 90 | 36.2 | 49.9 | 17.4 | 673 |

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table NU.8: Infant and young child feeding (IYCF) practices (continued)

Percentage of children age 6-23 months who received appropriate liquids and solid, semi-solid, or soft foods the minimum number of times or more during the previous day, by breastfeeding status, Nigeria, 2016-17

| State | Currently breastfeeding | | | | Currently not breastfeeding | | | | | All | | | |
|-----------|--|-------------------------------------|---|------------------------------------|--|-------------------------------------|---|------------------------------------|------------------------------------|---|--|--------------------------------------|------------------------------------|
| | Percent of children who received: | | | | Percent of children who received: | | | | | Percent of children who received: | | | |
| | Minimum dietary diversity ^a | Minimum meal frequency ^b | Minimum acceptable diet ^{1, c} | Number of children age 6-23 months | Minimum dietary diversity ^a | Minimum meal frequency ^b | Minimum acceptable diet ^{2, c} | At least 2 milk feeds ³ | Number of children age 6-23 months | Minimum dietary diversity ^{4, a} | Minimum meal frequency ^{5, b} | Minimum acceptable diet ^c | Number of children age 6-23 months |
| Kebbi | 36.6 | 37.1 | 15.0 | 232 | (59.8) | (38.2) | (11.2) | (31.2) | 34 | 38.8 | 37.2 | 14.5 | 273 |
| Kogi | 38.1 | 39.5 | 14.4 | 61 | 49.4 | 46.5 | 11.6 | 25.7 | 34 | 45.3 | 42.0 | 13.4 | 103 |
| Kwara | 38.9 | 24.3 | 14.9 | 59 | (68.2) | (11.7) | (8.7) | (18.4) | 23 | 47.5 | 20.8 | 13.2 | 82 |
| Lagos | 43.3 | 38.9 | 18.0 | 191 | 50.8 | 49.8 | 13.5 | 51.9 | 125 | 46.2 | 43.2 | 16.2 | 320 |
| Nasarawa | 37.1 | 52.4 | 26.1 | 121 | 65.0 | 47.2 | 16.5 | 35.2 | 40 | 44.0 | 51.1 | 23.7 | 166 |
| Niger | 40.0 | 41.2 | 16.4 | 282 | (71.2) | (41.6) | (14.6) | (20.7) | 67 | 44.5 | 41.3 | 16.0 | 365 |
| Ogun | 46.4 | 35.7 | 25.0 | 55 | 81.3 | 32.3 | 22.3 | 33.5 | 35 | 60.1 | 34.4 | 23.9 | 92 |
| Ondo | 45.9 | 38.3 | 14.5 | 69 | (58.0) | (47.1) | (6.1) | (9.3) | 44 | 51.3 | 41.8 | 11.2 | 115 |
| Osun | 43.0 | 10.5 | 5.9 | 88 | (70.9) | (24.6) | (6.2) | (11.6) | 28 | 49.5 | 14.0 | 6.0 | 117 |
| Oyo | 27.0 | 23.8 | 6.5 | 151 | (60.3) | (28.1) | (7.6) | (26.2) | 51 | 37.3 | 24.9 | 6.8 | 214 |
| Plateau | 29.6 | 50.8 | 16.8 | 180 | 40.3 | 65.7 | 9.8 | 15.5 | 70 | 33.1 | 54.9 | 14.9 | 252 |
| Rivers | 52.2 | 61.5 | 34.7 | 68 | 65.1 | 51.0 | 17.1 | 31.4 | 57 | 57.8 | 56.7 | 26.7 | 126 |
| Sokoto | 37.3 | 28.1 | 11.3 | 253 | (49.5) | (37.1) | (7.9) | (17.8) | 25 | 38.1 | 28.9 | 11.0 | 291 |
| Taraba | 31.6 | 54.8 | 24.2 | 97 | (30.8) | (39.0) | (6.3) | (6.3) | 22 | 31.8 | 52.0 | 21.0 | 122 |
| Yobe | 30.8 | 20.5 | 7.5 | 269 | (*) | (*) | (*) | (*) | 20 | 33.3 | 21.8 | 8.0 | 296 |
| Zamfara | 27.7 | 32.7 | 14.0 | 342 | (52.3) | (28.4) | (0.0) | (21.2) | 41 | 31.1 | 32.3 | 12.5 | 400 |
| FCT Abuja | 53.7 | 46.9 | 29.5 | 38 | 75.9 | 44.5 | 19.7 | 29.5 | 25 | 63.2 | 45.9 | 25.5 | 64 |

¹ MICS indicator 2.17a - Minimum acceptable diet (breastfed)

² MICS indicator 2.17b - Minimum acceptable diet (non-breastfed)

³ MICS indicator 2.14 - Milk feeding frequency for non-breastfed children

⁴ MICS indicator 2.16 - Minimum dietary diversity

⁵ MICS indicator 2.15 - Minimum meal frequency

^a Minimum dietary diversity is defined as receiving foods from at least 4 of 7 food groups: 1) Grains, roots and tubers, 2) legumes and nuts, 3) dairy products (milk, yogurt, cheese), 4) flesh foods (meat, fish, poultry and liver/organ meats), 5) eggs, 6) vitamin-A rich fruits and vegetables, and 7) other fruits and vegetables.

^b Minimum meal frequency among currently breastfeeding children is defined as children who also received solid, semi-solid, or soft foods 2 times or more daily for children age 6-8 months and 3 times or more daily for children age 9-23 months. For non-breastfeeding children age 6-23 months it is defined as receiving solid, semi-solid or soft foods, or milk feeds, at least 4 times.

^c The minimum acceptable diet for breastfed children age 6-23 months is defined as receiving the minimum dietary diversity and the minimum meal frequency, while it for non-breastfed children further requires at least 2 milk feedings and that the minimum dietary diversity is achieved without counting milk feeds.

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table NU.9: Bottle feeding

Percentage of children age 0-23 months who were fed with a bottle with a nipple during the previous day, Nigeria, 2016-17

| | Percentage of children age 0-23 months fed with a bottle with a nipple ¹ | Number of children age 0-23 months |
|------------------------------------|---|------------------------------------|
| Total | 20.2 | 10,898 |
| Geopolitical zone | | |
| North Central | 21.4 | 1,658 |
| North East | 15.2 | 2,297 |
| North West | 18.6 | 4,296 |
| South East | 33.8 | 615 |
| South South | 26.5 | 865 |
| South West | 22.0 | 1,167 |
| Sex | | |
| Male | 21.4 | 5,440 |
| Female | 18.9 | 5,457 |
| Age (months) | | |
| 0-5 | 23.2 | 2,723 |
| 6-11 | 24.9 | 2,640 |
| 12-23 | 16.4 | 5,535 |
| Residence | | |
| Urban | 24.1 | 3,241 |
| Rural | 18.5 | 7,656 |
| Mother's education | | |
| None | 15.8 | 3,084 |
| Non-formal | 14.0 | 2,397 |
| Primary | 21.2 | 1,595 |
| Secondary | 25.6 | 2,994 |
| Higher | 32.4 | 827 |
| Wealth index quintile | | |
| Poorest | 11.8 | 2,439 |
| Second | 17.3 | 2,392 |
| Middle | 20.8 | 2,115 |
| Fourth | 24.0 | 2,030 |
| Richest | 29.7 | 1,922 |
| Ethnicity of household head | | |
| Hausa | 17.8 | 6,172 |
| Igbo | 33.1 | 921 |
| Yoruba | 23.1 | 998 |
| Other ethnic group | 20.0 | 2,807 |

¹ MICS indicator 2.18 - Bottle feeding

Table NU.9: Bottle feeding (continued)

Percentage of children age 0-23 months who were fed with a bottle with a nipple during the previous day, Nigeria, 2016-17

| | Percentage of children age 0-23 months fed with a bottle with a nipple ¹ | Number of children age 0-23 months |
|---|---|------------------------------------|
| Total | 20.2 | 10,898 |
| State | | |
| Abia | 39.9 | 92 |
| Adamawa | 21.9 | 255 |
| Akwa Ibom | 30.0 | 228 |
| Anambra | 37.3 | 136 |
| Bauchi | 10.3 | 595 |
| Bayelsa | 12.7 | 65 |
| Benue | 24.4 | 245 |
| Borno | 18.6 | 660 |
| Cross River | 14.8 | 141 |
| Delta | 34.8 | 170 |
| Ebonyi | 24.6 | 109 |
| Edo | 28.9 | 106 |
| Ekiti | 13.0 | 47 |
| Enugu | 33.1 | 105 |
| Gombe | 14.2 | 230 |
| Imo | 33.9 | 172 |
| Jigawa | 13.7 | 578 |
| Kaduna | 26.3 | 608 |
| Kano | 31.6 | 956 |
| Katsina | 11.0 | 876 |
| Kebbi | 16.9 | 365 |
| Kogi | 15.7 | 135 |
| Kwara | 22.1 | 110 |
| Lagos | 23.3 | 407 |
| Nasarawa | 27.8 | 225 |
| Niger | 12.5 | 490 |
| Ogun | 19.8 | 120 |
| Ondo | 19.6 | 155 |
| Osun | 23.5 | 148 |
| Oyo | 22.8 | 289 |
| Plateau | 29.6 | 368 |
| Rivers | 26.8 | 156 |
| Sokoto | 9.3 | 381 |
| Taraba | 16.7 | 162 |
| Yobe | 12.6 | 394 |
| Zamfara | 12.2 | 532 |
| FCT Abuja | 19.2 | 85 |
| ¹ MICS indicator 2.18 - Bottle feeding | | |

Salt Iodization

Table NU.10: Iodized salt consumption

Percent distribution of households by consumption of iodized salt, Nigeria, 2016-17

| | Percent of households in which salt was tested | Number of households | Percent of households with: | | | | Number of households in which salt was tested or with no salt | |
|------------------------------|--|----------------------|-----------------------------|-------------------|----------------|----------------|---|-------|
| | | | Salt test result | | | Iodized >0 PPM | | |
| | | | No salt | Not iodized 0 PPM | >0 and <15 PPM | | | |
| Total | 93.9 | 33901 | 5.4 | 3.2 | 22.2 | 69.2 | 91.4 | 33644 |
| Geopolitical zone | | | | | | | | |
| North central | 96.0 | 5435 | 3.6 | 1.1 | 15.9 | 79.3 | 95.3 | 5413 |
| North east | 94.5 | 5581 | 4.9 | 2.7 | 23.4 | 69.0 | 92.4 | 5544 |
| North west | 92.4 | 9128 | 6.7 | 7.4 | 34.5 | 51.4 | 86.0 | 9041 |
| South east | 94.1 | 3132 | 5.3 | 1.0 | 13.4 | 80.2 | 93.7 | 3113 |
| South south | 96.2 | 4281 | 2.8 | 1.1 | 12.9 | 83.1 | 96.0 | 4240 |
| South west | 91.8 | 6344 | 7.5 | 2.0 | 19.3 | 71.3 | 90.5 | 6293 |
| Residence | | | | | | | | |
| Urban | 92.6 | 12421 | 6.6 | 2.5 | 19.0 | 71.9 | 90.9 | 12313 |
| Rural | 94.6 | 21480 | 4.8 | 3.6 | 24.0 | 67.6 | 91.6 | 21330 |
| Wealth index quintile | | | | | | | | |
| Poorest | 94.1 | 6026 | 5.1 | 5.5 | 33.1 | 56.3 | 89.4 | 5978 |
| Second | 94.1 | 6280 | 5.2 | 4.4 | 26.6 | 63.8 | 90.4 | 6235 |
| Middle | 93.4 | 6883 | 6.2 | 3.2 | 22.8 | 67.8 | 90.6 | 6850 |
| Fourth | 92.8 | 7156 | 6.4 | 2.3 | 18.3 | 73.0 | 91.3 | 7095 |
| Richest | 94.8 | 7556 | 4.3 | 1.3 | 12.9 | 81.5 | 94.4 | 7487 |

[1] MICS indicator 2.19 - Iodized salt consumption

Table NU.10: Iodized salt consumption (continued)

Percent distribution of households by consumption of iodized salt, Nigeria, 2016-17

| | Percent of households in which salt was tested | Number of households | Percent of households with: | | | | Iodized >0 PPM | Number of households in which salt was tested or with no salt |
|--------------|--|----------------------|-----------------------------|-------------------|----------------|-------------|----------------|---|
| | | | No salt | Salt test result | | | | |
| | | | | Not iodized 0 PPM | >0 and <15 PPM | 15+ PPM [1] | | |
| Total | 93.9 | 33901 | 5.4 | 3.2 | 22.2 | 69.2 | 91.4 | 33644 |
| State | | | | | | | | |
| Abia | 90.6 | 472 | 8.7 | 2.2 | 27.3 | 61.9 | 89.1 | 468 |
| Adamawa | 93.0 | 735 | 5.6 | 1.8 | 11.1 | 81.5 | 92.6 | 723 |
| Akwa Ibom | 95.8 | 844 | 3.5 | 2.6 | 18.5 | 75.5 | 93.9 | 837 |
| Anambra | 96.6 | 719 | 3.0 | 0.1 | 10.4 | 86.5 | 96.9 | 717 |
| Bauchi | 95.9 | 1384 | 3.8 | 1.0 | 18.2 | 77.0 | 95.2 | 1380 |
| Bayelsa | 95.6 | 308 | 4.2 | 0.9 | 14.9 | 80.0 | 94.9 | 307 |
| Benue | 98.5 | 987 | 1.3 | 0.5 | 17.5 | 80.7 | 98.2 | 985 |
| Borno | 94.1 | 1493 | 5.9 | 2.6 | 25.3 | 66.2 | 91.5 | 1493 |
| Cross River | 96.2 | 778 | 3.8 | 0.7 | 13.2 | 82.2 | 95.5 | 778 |
| Delta | 94.6 | 740 | 3.2 | 1.7 | 14.0 | 81.1 | 95.1 | 723 |
| Ebonyi | 91.5 | 535 | 8.4 | 1.4 | 13.8 | 76.5 | 90.2 | 534 |
| Edo | 98.2 | 654 | 0.8 | 0.5 | 1.7 | 97.0 | 98.7 | 648 |
| Ekiti | 95.0 | 351 | 4.8 | 0.7 | 46.2 | 48.3 | 94.5 | 351 |
| Enugu | 96.3 | 610 | 3.0 | 0.3 | 18.3 | 78.4 | 96.7 | 606 |
| Gombe | 91.7 | 529 | 5.3 | 3.0 | 20.9 | 70.7 | 91.7 | 512 |
| Imo | 93.8 | 796 | 5.2 | 1.3 | 4.0 | 89.5 | 93.4 | 787 |
| Jigawa | 89.1 | 1147 | 7.1 | 4.2 | 33.7 | 55.0 | 88.7 | 1101 |
| Kaduna | 94.3 | 1646 | 4.9 | 1.4 | 26.0 | 67.7 | 93.7 | 1632 |
| Kano | 91.8 | 1894 | 8.0 | 11.6 | 36.6 | 43.7 | 80.4 | 1890 |
| Katsina | 93.8 | 1705 | 6.0 | 4.3 | 22.7 | 67.0 | 89.7 | 1700 |
| Kebbi | 92.0 | 838 | 7.4 | 14.1 | 41.6 | 37.0 | 78.5 | 832 |
| Kogi | 94.0 | 649 | 5.2 | 1.9 | 5.1 | 87.8 | 92.8 | 643 |
| Kwara | 94.2 | 639 | 5.8 | 0.7 | 18.9 | 74.6 | 93.5 | 638 |
| Lagos | 92.7 | 1974 | 6.8 | 1.0 | 4.9 | 87.2 | 92.1 | 1965 |
| Nasarawa | 94.8 | 630 | 4.9 | 1.7 | 12.7 | 80.7 | 93.4 | 628 |
| Niger | 95.5 | 1211 | 3.9 | 2.0 | 23.4 | 70.7 | 94.2 | 1203 |
| Ogun | 92.1 | 608 | 7.7 | 3.7 | 13.3 | 75.4 | 88.7 | 607 |
| Ondo | 96.4 | 1025 | 3.3 | 1.1 | 21.1 | 74.4 | 95.5 | 1023 |
| Osun | 88.7 | 916 | 11.2 | 1.7 | 19.4 | 67.7 | 87.1 | 915 |
| Oyo | 88.3 | 1470 | 9.4 | 3.8 | 33.6 | 53.3 | 86.8 | 1433 |
| Plateau | 97.4 | 1051 | 2.4 | 0.1 | 16.2 | 81.3 | 97.5 | 1049 |
| Rivers | 96.8 | 957 | 2.1 | 0.4 | 13.9 | 83.6 | 97.5 | 947 |
| Sokoto | 91.2 | 820 | 8.4 | 5.4 | 46.3 | 39.9 | 86.2 | 816 |
| Taraba | 91.5 | 527 | 7.9 | 4.7 | 28.6 | 58.8 | 87.4 | 523 |
| Yobe | 97.4 | 914 | 2.5 | 4.8 | 36.6 | 56.2 | 92.7 | 912 |
| Zamfara | 93.6 | 1078 | 5.7 | 13.4 | 49.1 | 31.7 | 80.8 | 1070 |
| FCT Abuja | 94.7 | 270 | 4.3 | 0.8 | 2.1 | 92.8 | 94.9 | 267 |

[1] MICS indicator 2.19 - Iodized salt consumption

VI. Child Health

Vaccinations

Crude full immunization coverage describes the situation whereby children have received all antigens defined by the expanded programme on immunisation (EPI) without regard to the specified age or time interval between doses as prescribed by the national schedule. A child is considered fully vaccinated if he/she has received BCG (Bacillus Calmette-Guérin) vaccine, at least three doses of Polio vaccine, three doses of Pentavalent vaccine (Diphtheria, Pertussis, Tetanus, *Hemophilus Influenza* Type B and Hepatitis B), one of Measles containing vaccine (MCV), Inactivated Polio vaccine (IPV) and Yellow Fever vaccine.

The sample size for the Nigeria MICS 2016-17 was determined to be insufficient for estimating state level vaccination coverage for children aged 12 to 23 months in twenty states, namely: Abia, Akwa ibom, Anambra, Bayelsa, Benue, Cross River, Delta, Edo, Ekiti, Enugu, Imo, Kogi, Kwara, Ogun, Ondo, Osun, Oyo, Plateau, Rivers and FCT (Abuja). In these twenty states, supplemental sampling was conducted to meet the requirements for vaccine coverage estimation for urban and rural areas; six geopolitical zones; the 36 states of the Federation and the Federal Capital Territory. The main objectives were to provide reliable estimates for coverage in vaccination antigens for children between the ages of 12 – 23 months at state level.

Note that Table CH.1 is the results of the MICS survey alone while Tables CH.2A to CH.2F are the results of the MICS and NICS surveys combined. Due to larger sample size, MICS/NICS results yield better precision than MICS only. Table CH.1 results are only presented as these carry the disaggregate opportunities of the full survey.

Table CH.1: Vaccinations in the first years of life

Percentage of children age 12-23 months and 24-35 months vaccinated against vaccine preventable childhood diseases at any time before the survey and by their first birthday, Nigeria, 2016-17

| | Children age 12-23 months: | | | | Children age 24-35 months: | | | |
|----------------------------------|--|-----------------|--------------|---|--|-----------------|-------------|--------------------------------|
| | Vaccinated at any time before the survey according to: | | | Vaccinated by 12 months of age ^a | Vaccinated at any time before the survey according to: | | | Vaccinated by 12 months of age |
| | Vaccination card | Mother's report | Either | | Vaccination card | Mother's report | Either | |
| Antigen | | | | | | | | |
| BCG ¹ | 27.8 | 25.3 | 53.1 | 52.8 | 18.4 | 32.5 | 50.9 | 49.1 |
| Polio | | | | | | | | |
| At birth | 23.5 | 23.4 | 46.9 | 46.9 | 16.3 | 29.9 | 46.2 | 44.9 |
| 1 | 25.5 | 25.0 | 50.4 | 49.8 | 17.2 | 31.1 | 48.3 | 45.2 |
| 2 | 23.3 | 20.2 | 43.5 | 43.0 | 16.0 | 26.2 | 42.1 | 38.7 |
| 3 ² | 21.4 | 13.3 | 34.7 | 34.0 | 14.5 | 15.7 | 30.2 | 26.5 |
| PENTA/DPT | | | | | | | | |
| 1 | 26.9 | 22.3 | 49.3 | 48.8 | 18.4 | 29.4 | 47.8 | 44.7 |
| 2 | 24.7 | 16.0 | 40.8 | 40.3 | 16.8 | 21.3 | 38.2 | 35.1 |
| 3 ^{3,4,5} | 23.0 | 11.4 | 34.4 | 33.6 | 15.5 | 16.8 | 32.3 | 28.3 |
| HepB at birth | 20.3 | 9.7 | 30.1 | 30.0 | 16.3 | 14.1 | | |
| PCV | | | | | | | | |
| PCV 1 | 19.3 | 20.4 | 39.6 | 38.8 | 12.3 | 27.6 | 39.9 | 36.3 |
| PCV 2 | 17.9 | 15.2 | 33.1 | 32.4 | 11.0 | 19.9 | 30.8 | 27.4 |
| PCV 3 | 16.6 | 10.7 | 27.2 | 26.2 | 10.2 | 15.0 | 25.1 | 21.1 |
| Inactivated Polio Vaccine | 18.8 | 23.6 | 42.4 | 40.2 | 8.2 | 30.4 | 38.7 | 29.7 |
| Yellow fever ⁶ | 19.6 | 19.3 | 39.0 | 36.0 | 14.1 | 27.1 | 41.3 | 33.4 |
| Measles ⁷ | 20.4 | 21.4 | 41.8 | 38.5 | 15.0 | 29.4 | 44.3 | 36.5 |
| Fully vaccinated ^{d, b} | 16.3 | 4.7 | 21.0 | 17.5 | 11.8 | 7.0 | 18.8 | 11.9 |
| No vaccinations | 0.1 | 4.0 | 4.1 | 4.1 | 0.1 | 3.9 | 4.0 | 5.3 |
| Number of children | 5,535 | 5,535 | 5,535 | 5,535 | 5514 | 5514 | 5514 | 5514 |

¹ MICS indicator 3.1 - Tuberculosis immunization coverage

² MICS indicator 3.2 - Polio immunization coverage

³ MICS indicator 3.3 - Diphtheria, pertussis and tetanus (DPT) immunization coverage

⁴ MICS indicator 3.5 - Hepatitis B immunization coverage

⁵ MICS indicator 3.6 - Haemophilus influenzae type B (Hib) immunization coverage

⁶ MICS indicator 3.7 - Yellow fever immunization coverage

⁷ MICS indicator 3.4; MDG indicator 4.3 - Measles immunization coverage

⁸ MICS indicator 3.8 - Full immunization coverage

^a All MICS indicators refer to results in this column

^b Includes: BCG, Polio3, PENTA3/DPT3, Measles and Yellow fever as per the vaccination schedule in Nigeria

Table CH.2A (MICS/NICS): Percentage of children 12-23 months with any evidence of vaccination

Percentage of children age 12-23 months currently vaccinated against vaccine preventable childhood diseases, Nigeria 2016-17

| | Percentage of children who received: | | | | | | | | | | | | Card seen | Children age 12-23 months |
|------------------------------------|--------------------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|----------------|-------------------|-------------|-------------|---------------------------|
| | BCG | HepB at Birth | Polio | | | Pentavalent | | | Yellow fever | Measles (MCV1) | Full ^a | | | |
| | | | At birth | 1 | 2 | 3 | 1 | 2 | | | | 3 | | |
| Total | 53.5 | 30.2 | 47.4 | 49.7 | 42.5 | 33.2 | 48.7 | 39.9 | 33.3 | 38.8 | 41.7 | 22.9 | 29.0 | 6,268 |
| Geopolitical Zone | | | | | | | | | | | | | | |
| North Central | 63.0 | 38.3 | 56.1 | 59.2 | 53.3 | 37.3 | 58.6 | 48.3 | 39.0 | 49.9 | 52.4 | 26.5 | 30.9 | 900 |
| North East | 52.6 | 19.2 | 41.7 | 46.4 | 36.7 | 29.8 | 46.7 | 37.3 | 28.2 | 32.8 | 36.0 | 19.6 | 24.4 | 1,346 |
| North West | 30.0 | 14.1 | 28.6 | 29.4 | 23.6 | 19.3 | 25.3 | 17.4 | 13.7 | 19.1 | 22.4 | 8.5 | 15.6 | 2,468 |
| South East | 90.1 | 64.9 | 82.5 | 79.6 | 70.9 | 52.4 | 85.3 | 73.9 | 65.9 | 69.9 | 72.6 | 44.4 | 47.1 | 353 |
| South South | 83.9 | 58.2 | 72.3 | 77.6 | 69.1 | 53.1 | 79.9 | 72.0 | 64.8 | 68.2 | 69.0 | 42.5 | 51.6 | 503 |
| South West | 85.6 | 60.4 | 78.3 | 80.1 | 72.9 | 59.7 | 81.6 | 73.2 | 66.4 | 68.4 | 71.7 | 50.2 | 57.3 | 698 |
| Residence | | | | | | | | | | | | | | |
| Urban | 75.0 | 47.1 | 68.4 | 67.9 | 59.8 | 48.3 | 69.3 | 59.0 | 50.8 | 60.5 | 62.8 | 38.5 | 41.6 | 1,970 |
| Rural | 43.7 | 22.4 | 37.8 | 41.3 | 34.6 | 26.4 | 39.3 | 31.1 | 25.3 | 28.8 | 32.0 | 15.7 | 23.2 | 4,298 |
| Sex | | | | | | | | | | | | | | |
| Male | 54.0 | 30.0 | 48.6 | 50.9 | 43.2 | 33.3 | 49.8 | 40.5 | 32.6 | 38.6 | 41.8 | 22.6 | 28.7 | 3,121 |
| Female | 53.0 | 30.4 | 46.3 | 48.5 | 41.8 | 33.2 | 47.7 | 39.3 | 34.1 | 38.9 | 41.6 | 23.1 | 29.3 | 3,147 |
| Mother's Education | | | | | | | | | | | | | | |
| None | 23.9 | 8.4 | 22.2 | 26.8 | 21.4 | 17.3 | 19.2 | 13.5 | 8.9 | 14.3 | 17.0 | 5.2 | 11.0 | 1,355 |
| Primary | 60.7 | 33.3 | 52.0 | 53.8 | 46.8 | 35.2 | 55.0 | 46.1 | 38.5 | 42.4 | 46.4 | 24.1 | 32.0 | 896 |
| Secondary | 82.2 | 49.9 | 73.1 | 74.3 | 64.5 | 52.1 | 76.2 | 65.6 | 56.9 | 63.0 | 66.0 | 41.3 | 46.8 | 1,735 |
| Higher | 93.9 | 69.2 | 90.5 | 82.0 | 74.8 | 61.4 | 92.3 | 81.3 | 73.8 | 86.5 | 88.7 | 54.7 | 52.3 | 490 |
| Missing | 33.4 | 15.4 | 27.6 | 32.3 | 26.2 | 18.4 | 29.4 | 20.6 | 15.4 | 18.9 | 21.7 | 9.0 | 17.6 | 1,792 |
| Mother's Age (Years) | | | | | | | | | | | | | | |
| 15-19 | 30.2 | 17.5 | 26.1 | 27.7 | 22.3 | 15.3 | 22.8 | 18.2 | 14.7 | 19.2 | 20.5 | 7.4 | 15.0 | 377 |
| 20-29 | 52.0 | 29.3 | 47.0 | 48.7 | 40.9 | 33.0 | 46.8 | 38.0 | 32.1 | 37.6 | 39.7 | 22.2 | 28.9 | 2,873 |
| 30-39 | 60.0 | 34.5 | 53.2 | 55.5 | 48.4 | 37.3 | 55.8 | 46.5 | 38.6 | 43.9 | 48.3 | 26.7 | 33.0 | 2,324 |
| 40-49 | 49.3 | 24.7 | 39.2 | 46.1 | 40.8 | 31.2 | 47.0 | 36.4 | 30.5 | 36.0 | 38.2 | 21.2 | 24.0 | 587 |
| 50+ | 52.8 | 32.7 | 50.4 | 43.5 | 36.4 | 24.3 | 45.3 | 39.0 | 32.9 | 42.9 | 43.6 | 20.6 | 21.1 | 93 |
| Don't know | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 14 |
| Wealth index quintile | | | | | | | | | | | | | | |
| Poorest | 23.2 | 10.2 | 18.7 | 26.2 | 22 | 16.4 | 19.6 | 14.0 | 10.2 | 13.6 | 15.8 | 5.4 | 11.8 | 1,454 |
| Second | 39.0 | 17.3 | 33.6 | 38.5 | 31.2 | 23.8 | 34.3 | 25.7 | 20.0 | 23.2 | 27.2 | 11.2 | 19.3 | 1,370 |
| Middle | 54.7 | 30.0 | 48.4 | 48.4 | 40.8 | 32.0 | 49.0 | 39.0 | 32.5 | 38.3 | 41.1 | 22.2 | 30.8 | 1,205 |
| Fourth | 76.0 | 43.7 | 68.0 | 66.8 | 57.7 | 44.9 | 70.7 | 60.8 | 50.9 | 55.8 | 59.5 | 35.6 | 39.3 | 1,150 |
| Richest | 87.1 | 58.9 | 80.4 | 78.4 | 69.8 | 56.6 | 82.3 | 71.4 | 63.3 | 74.5 | 76.3 | 48.2 | 51.5 | 1,089 |
| Ethnicity of household head | | | | | | | | | | | | | | |
| Hausa | 34.8 | 15.0 | 31.7 | 34.1 | 27.4 | 21.7 | 29.4 | 21.7 | 15.7 | 21.3 | 24.5 | 10.2 | 16.1 | 3,544 |
| Igbo | 89.2 | 64.3 | 83.1 | 79.3 | 70.2 | 52.2 | 85.4 | 73.7 | 66.1 | 72.3 | 74.6 | 45.3 | 48.7 | 523 |
| Yoruba | 86.9 | 62.4 | 79.7 | 81.6 | 74.5 | 60.8 | 84.1 | 74.9 | 67.2 | 71.1 | 75.0 | 51.1 | 55.6 | 612 |
| Other ethnic group | 70.6 | 40.5 | 58.4 | 62.5 | 54.8 | 42.2 | 66.0 | 55.8 | 48.9 | 54.3 | 56.4 | 32.9 | 41.1 | 1,590 |

[a] Includes: BCG, Polio3, DPT3, HepB3, Hib3, and Measles

(*) Sample data are fewer than 25 unweighted cases

Table CH.2A (MICS/NICS): Percentage of children 12-23 months with any evidence of vaccination (continued)

Percentage of children age 12-23 months currently vaccinated against vaccine preventable childhood diseases, Nigeria 2016-17

| | Percentage of children who received: | | | | | | | | | | | | Card seen | Children age 12-23 months |
|--------------|--------------------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|----------------|-------------------|-------------|-------------|---------------------------|
| | BCG | HepB at Birth | Polio | | | Pentavalent | | | Yellow fever | Measles (MCV1) | Full ^a | | | |
| | | | At birth | 1 | 2 | 3 | 1 | 2 | | | | 3 | | |
| Total | 53.5 | 30.2 | 47.4 | 49.7 | 42.5 | 33.2 | 48.7 | 39.9 | 33.3 | 38.8 | 41.7 | 22.9 | 29.0 | 6,268 |
| State | | | | | | | | | | | | | | |
| Abia | 87.1 | 65.5 | 81.1 | 76.9 | 68.9 | 43.3 | 81.6 | 68.6 | 54.8 | 66.3 | 70.4 | 33.9 | 39.9 | 57 |
| Adamawa | 67.4 | 35.0 | 54.5 | 60.3 | 50.8 | 40.9 | 56.6 | 50.3 | 37.9 | 44.5 | 48.8 | 29.0 | 46.2 | 134 |
| Akwa Ibom | 82.4 | 59.3 | 70.6 | 75.8 | 70.9 | 58.7 | 80.2 | 73.4 | 68.4 | 64.2 | 63.7 | 44.2 | 46.8 | 120 |
| Anambra | 88.5 | 74.6 | 84.7 | 84.1 | 80.7 | 62.1 | 89.5 | 82.4 | 76.2 | 76.4 | 75.0 | 55.2 | 44.6 | 74 |
| Bauchi | 41.2 | 14.2 | 28.9 | 37.6 | 33.4 | 26.5 | 35.3 | 25.2 | 18.5 | 22.0 | 22.2 | 13.9 | 19.7 | 345 |
| Bayelsa | 65.9 | 33.9 | 48.2 | 63.8 | 55.3 | 35.4 | 61.2 | 50.3 | 42.6 | 45.8 | 51.6 | 28.5 | 37.0 | 41 |
| Benue | 66.4 | 53.9 | 62.9 | 66.4 | 62.7 | 45.1 | 68.3 | 59.5 | 57.4 | 50.6 | 53.6 | 37.0 | 37.9 | 132 |
| Borno | 80.6 | 24.1 | 66.1 | 69.4 | 50.7 | 41.5 | 72.9 | 63.9 | 47.7 | 50.8 | 58.1 | 31.5 | 31.9 | 421 |
| Cross River | 88.2 | 44.7 | 69.3 | 82.7 | 77.1 | 58.8 | 83.5 | 76.9 | 69.5 | 69.6 | 73.7 | 49.9 | 54.5 | 76 |
| Delta | 80.9 | 64.8 | 70.7 | 71.6 | 58.2 | 47.8 | 75.7 | 63.7 | 57.2 | 67.5 | 63.7 | 36.3 | 51.1 | 102 |
| Ebonyi | 82.5 | 61.5 | 77.6 | 69.6 | 60.6 | 46.9 | 79.7 | 66.2 | 54.4 | 56.4 | 57.6 | 35.0 | 49.7 | 59 |
| Edo | 96.7 | 69.5 | 89.4 | 86.9 | 78.1 | 52.7 | 88.6 | 86.1 | 74.5 | 83.8 | 86.1 | 45.7 | 55.9 | 81 |
| Ekiti | 86.5 | 56.1 | 84.3 | 76.5 | 71.7 | 57.9 | 87.1 | 80.1 | 72.2 | 70.3 | 80.1 | 48.0 | 65.5 | 30 |
| Enugu | 93.2 | 69.2 | 88.2 | 79.8 | 70.4 | 60.2 | 84.9 | 78.6 | 73.8 | 74.5 | 81.2 | 50.5 | 52.8 | 73 |
| Gombe | 54.4 | 29.9 | 45.0 | 50.1 | 41.2 | 35.9 | 44.7 | 29.1 | 25.0 | 30.5 | 32.4 | 16.7 | 25.8 | 122 |
| Imo | 95.6 | 55.3 | 80.2 | 83.9 | 71.2 | 47.7 | 88.1 | 71.7 | 65.6 | 72.0 | 74.6 | 43.5 | 47.5 | 91 |
| Jigawa | 25.6 | 11.2 | 26.0 | 15.8 | 10.2 | 6.7 | 19.5 | 9.0 | 7.1 | 9.0 | 10.4 | 1.8 | 11.8 | 337 |
| Kaduna | 51.4 | 26.8 | 40.9 | 39.8 | 36.7 | 34.4 | 43.7 | 32.5 | 29.5 | 42.7 | 43.1 | 24.9 | 23.1 | 376 |
| Kano | 33.7 | 11.4 | 29.4 | 27.3 | 18.9 | 13.7 | 27.9 | 20.9 | 15.9 | 22.3 | 24.1 | 9.5 | 19.6 | 554 |
| Katsina | 28.5 | 16.6 | 32.6 | 33.0 | 27.8 | 21.5 | 28.2 | 18.3 | 12.1 | 17.0 | 21.1 | 5.9 | 18.7 | 478 |
| Kebbi | 22.6 | 11.2 | 23.1 | 26.0 | 18.1 | 12.1 | 20.2 | 16.7 | 11.3 | 12.6 | 25.5 | 4.8 | 12.6 | 202 |
| Kogi | 73.3 | 46.9 | 62.7 | 60.3 | 46.9 | 36.4 | 63.7 | 47.6 | 38.4 | 55.7 | 65.0 | 29.9 | 41.5 | 89 |
| Kwara | 72.1 | 46.9 | 61.6 | 69.8 | 64.1 | 41.0 | 70.8 | 61.3 | 49.1 | 67.5 | 66.9 | 33.9 | 19.7 | 66 |
| Lagos | 92.9 | 70.8 | 88.5 | 91.0 | 86.2 | 74.7 | 93.6 | 85.6 | 80.2 | 84.9 | 88.0 | 68.1 | 67.5 | 244 |
| Nasarawa | 63.8 | 33.7 | 59.6 | 57.6 | 48.7 | 32.8 | 56.4 | 44.7 | 34.9 | 46.5 | 49.7 | 21.4 | 26.3 | 127 |
| Niger | 38.1 | 20.8 | 33.5 | 44.6 | 39.8 | 24.5 | 36.3 | 30.6 | 20.0 | 28.8 | 31.2 | 13.8 | 24.7 | 255 |
| Ogun | 80.0 | 57.2 | 75.7 | 69.2 | 57.8 | 48.0 | 71.1 | 58.9 | 52.1 | 56.5 | 58.7 | 35.0 | 45.0 | 72 |
| Ondo | 83.1 | 44.2 | 66.5 | 76.8 | 71.4 | 53.4 | 76.4 | 71.4 | 66.2 | 68.5 | 72.2 | 44.8 | 47.8 | 102 |
| Osun | 87.5 | 60.4 | 79.0 | 76.8 | 67.6 | 54.2 | 83.1 | 65.7 | 60.0 | 65.7 | 67.0 | 43.0 | 53.7 | 96 |
| Oyo | 77.1 | 56.9 | 69.7 | 72.7 | 63.6 | 49.5 | 69.1 | 64.9 | 54.1 | 49.2 | 53.1 | 37.4 | 53.9 | 155 |
| Plateau | 80.1 | 39.5 | 67.8 | 67.9 | 64.3 | 46.8 | 69.9 | 57.1 | 45.2 | 65.5 | 65.3 | 30.6 | 30.7 | 186 |
| Rivers | 82.0 | 61.7 | 75.0 | 80.7 | 70.4 | 56.0 | 82.0 | 72.8 | 66.0 | 69.4 | 70.7 | 44.8 | 60.0 | 82 |
| Sokoto | 16.3 | 4.6 | 12.6 | 15.1 | 10.1 | 7.1 | 9.4 | 5.2 | 2.9 | 6.4 | 9.8 | 2.2 | 5.2 | 218 |
| Taraba | 39.7 | 23.8 | 34.4 | 31.0 | 21.3 | 17.7 | 35.9 | 20.0 | 16.4 | 25.1 | 29.2 | 11.5 | 22.0 | 70 |
| Yobe | 16.3 | 2.8 | 12.1 | 15.2 | 12.6 | 9.4 | 17.5 | 11.3 | 8.7 | 14.6 | 14.7 | 6.5 | 7.0 | 253 |
| Zamfara | 19.0 | 11.0 | 23.4 | 42.8 | 37.9 | 35.2 | 14.7 | 9.5 | 8.9 | 12.2 | 16.2 | 4.9 | 8.2 | 303 |
| FCT-Abuja | 87.5 | 68.7 | 84.4 | 71.8 | 65.6 | 55.6 | 87.7 | 71.9 | 65.7 | 73.7 | 76.3 | 46.8 | 55.2 | 46 |

[a] Includes: BCG, Polio3, DPT3, HepB3, Hib3, and Measles

Table CH.2B (MICS/NICS): Percentage of children 12-23 months with evidence of valid dose vaccination

Percentage of children age 12-23 months currently vaccinated against vaccine preventable childhood diseases who receive vaccines at the recommended duration and frequency, Nigeria 2016-17

| | Percentage of children who received: | | | | | | | | | | | | Card seen | Number of children age 12-23 months |
|------------------------------------|--------------------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|----------------|-------------------|------------|-------------|-------------------------------------|
| | BCG | HepB at Birth | Polio | | | Pentavalent | | | Yellow fever | Measles (MCV1) | Full ^a | | | |
| | | | At birth | 1 | 2 | 3 | 1 | 2 | | | | 3 | | |
| Total | 25.6 | 10.6 | 12.1 | 24.1 | 20.3 | 12.9 | 25.1 | 22.0 | 14.2 | 14.8 | 15.0 | 8.2 | 29.0 | 6,268 |
| Geopolitical Zone | | | | | | | | | | | | | | |
| North Central | 26.5 | 10.6 | 10.8 | 25.8 | 22.0 | 12.8 | 27.0 | 23.7 | 14.7 | 15.3 | 15.3 | 8.2 | 30.9 | 900 |
| North East | 21.5 | 6.5 | 8.6 | 18.3 | 14.9 | 8.3 | 19.8 | 16.2 | 9.5 | 10.0 | 10.1 | 5.1 | 24.4 | 1,346 |
| North West | 12.4 | 3.6 | 4.5 | 11.6 | 8.4 | 4.7 | 11.9 | 9.3 | 5.3 | 5.0 | 5.8 | 2.5 | 15.6 | 2,468 |
| South East | 43.9 | 22.9 | 23.9 | 43.4 | 39.2 | 24.9 | 44.7 | 41.2 | 28.6 | 28.4 | 28.2 | 16.5 | 47.1 | 353 |
| South South | 48.0 | 21.1 | 23.1 | 46.8 | 39.5 | 26.7 | 47.1 | 42.6 | 28.1 | 31.0 | 30.1 | 17.3 | 51.6 | 503 |
| South West | 53.2 | 29.9 | 33.2 | 51.0 | 47.7 | 34.5 | 53.9 | 51.8 | 36.7 | 39.3 | 39.4 | 23.8 | 57.3 | 698 |
| Residence | | | | | | | | | | | | | | |
| Urban | 38.5 | 20.1 | 22.2 | 35.3 | 30.7 | 21.7 | 37.2 | 33.5 | 23.2 | 25.8 | 26.1 | 15.7 | 41.6 | 1,970 |
| Rural | 19.6 | 6.3 | 7.4 | 19.0 | 15.6 | 8.8 | 19.5 | 16.8 | 10.0 | 9.7 | 10.0 | 4.8 | 23.2 | 4,298 |
| Sex | | | | | | | | | | | | | | |
| Male | 25.0 | 10.7 | 12.2 | 23.7 | 20.4 | 12.6 | 24.9 | 21.7 | 14.0 | 14.5 | 14.9 | 8.3 | 28.7 | 3,121 |
| Female | 26.1 | 10.5 | 11.9 | 24.5 | 20.3 | 13.1 | 25.3 | 22.3 | 14.4 | 15.0 | 15.2 | 8.1 | 29.3 | 3,147 |
| Mother's Education | | | | | | | | | | | | | | |
| None | 8.3 | 0.8 | 1.2 | 6.7 | 4.6 | 3.3 | 7.3 | 5.1 | 3.5 | 1.6 | 1.8 | 0.8 | 11.0 | 1,355 |
| Primary | 27.7 | 9.2 | 11.2 | 27.6 | 22.7 | 13.6 | 28.1 | 24.9 | 15.1 | 14.7 | 14.7 | 7.7 | 32.0 | 896 |
| Secondary | 42.9 | 19.1 | 21.9 | 40.4 | 35.1 | 22.6 | 42.2 | 37.9 | 25.0 | 27.4 | 27.7 | 15.4 | 46.8 | 1,735 |
| Higher | 48.9 | 33.7 | 36.4 | 48.8 | 44.5 | 31.1 | 50.7 | 48.5 | 33.0 | 39.6 | 38.5 | 22.1 | 52.3 | 490 |
| Missing | 14.4 | 4.2 | 4.6 | 12.9 | 10.1 | 5.4 | 13.5 | 10.8 | 6.3 | 5.8 | 6.7 | 3.3 | 17.6 | 1,792 |
| Mother's Age (Years) | | | | | | | | | | | | | | |
| 15-19 | 12.1 | 2.7 | 3.6 | 11.5 | 8.9 | 4.5 | 11.1 | 9.8 | 5.3 | 4.8 | 6.1 | 1.8 | 15.0 | 377 |
| 20-29 | 25.7 | 9.6 | 11.1 | 24.3 | 20.2 | 12.2 | 25.0 | 21.6 | 13.6 | 14.3 | 14.3 | 7.7 | 28.9 | 2,873 |
| 30-39 | 29.3 | 14.2 | 15.7 | 27.2 | 23.5 | 15.6 | 28.9 | 25.7 | 17.0 | 18.0 | 18.2 | 10.0 | 33.0 | 2,324 |
| 40-49 | 20.5 | 7.2 | 8.5 | 20.1 | 17.0 | 10.9 | 21.4 | 18.8 | 12.2 | 11.8 | 12.4 | 7.2 | 24.0 | 587 |
| 50+ | 15.3 | 7.3 | 7.4 | 14.6 | 13.0 | 11.4 | 15.3 | 14.0 | 11.4 | 9.3 | 10.4 | 9.6 | 21.1 | 93 |
| Don't know | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 14 |
| Wealth index quintile | | | | | | | | | | | | | | |
| Poorest | 8.9 | 1.9 | 2.6 | 8.7 | 7.1 | 4.2 | 9.1 | 7.9 | 4.8 | 3.3 | 3.4 | 1.5 | 11.8 | 1,454 |
| Second | 15.4 | 3.6 | 4.5 | 15.2 | 11.2 | 5.5 | 15.5 | 12.1 | 6.6 | 6.7 | 7.1 | 2.5 | 19.3 | 1,370 |
| Middle | 27.8 | 9.4 | 11.7 | 25.2 | 20.7 | 10.7 | 26.5 | 22.1 | 13.3 | 13.3 | 13.9 | 6.2 | 30.8 | 1,205 |
| Fourth | 35.8 | 15.6 | 16.9 | 32.8 | 28.2 | 19.5 | 34.1 | 31.0 | 20.8 | 20.8 | 20.9 | 13.2 | 39.3 | 1,150 |
| Richest | 47.4 | 27.3 | 29.6 | 45.4 | 40.8 | 29.0 | 47.5 | 43.9 | 30.3 | 35.5 | 35.6 | 21.2 | 51.5 | 1,089 |
| Ethnicity of household head | | | | | | | | | | | | | | |
| Hausa | 13.3 | 3.8 | 4.8 | 11.8 | 8.7 | 4.9 | 12.2 | 9.5 | 5.8 | 4.9 | 5.5 | 2.5 | 16.1 | 3,544 |
| Igbo | 44.6 | 24.0 | 25.4 | 41.7 | 37.4 | 25.5 | 44.7 | 41.0 | 27.5 | 31.4 | 31.1 | 16.9 | 48.7 | 523 |
| Yoruba | 51.0 | 28.4 | 32.9 | 49.9 | 46.6 | 32.7 | 52.1 | 50.1 | 35.5 | 37.7 | 38.3 | 23.6 | 55.6 | 612 |
| Other ethnic group | 37.0 | 14.6 | 15.9 | 35.7 | 30.6 | 18.7 | 37.1 | 32.8 | 20.4 | 22.5 | 22.2 | 12.2 | 41.1 | 1,590 |

[a] Includes: BCG, Polio3, DPT3, HepB3, Hib3, and Measles

(*) Sample data are fewer than 25 unweighted cases

Table CH.2B (MICS/NICS): Percentage of children 12-23 months with evidence of valid dose vaccination, (continued)

Percentage of children age 12-23 months currently vaccinated against vaccine preventable childhood diseases who receive vaccines at the recommended duration and frequency, Nigeria 2016-17

| | Percentage of children who received: | | | | | | | | | | | | Card seen | Children age 12-23 months |
|--------------|--------------------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|----------------|-------------------|------------|-------------|---------------------------|
| | BCG | HepB at Birth | Polio | | | Pentavalent | | | Yellow fever | Measles (MCV1) | Full ^a | | | |
| | | | At birth | 1 | 2 | 3 | 1 | 2 | | | | 3 | | |
| Total | 25.6 | 10.6 | 12.1 | 24.1 | 20.3 | 12.9 | 25.1 | 22.0 | 14.2 | 14.8 | 15.0 | 8.2 | 29.0 | 6,268 |
| State | | | | | | | | | | | | | | |
| Abia | 36.6 | 15.7 | 17.0 | 35.8 | 34.8 | 21.9 | 39.1 | 35.4 | 21.3 | 23.2 | 23.7 | 14.2 | 39.9 | 57 |
| Adamawa | 41.0 | 16.7 | 18.8 | 41.8 | 38.8 | 20.5 | 39.5 | 35.5 | 19.5 | 22.8 | 22.8 | 13.5 | 46.2 | 134 |
| Akwa Ibom | 44.1 | 22.2 | 24.3 | 45.7 | 41.5 | 32.9 | 44.4 | 42.4 | 33.4 | 28.4 | 27.5 | 19.9 | 46.8 | 120 |
| Anambra | 41.9 | 26.1 | 23.4 | 40.9 | 38.8 | 24.9 | 43.6 | 40.9 | 26.8 | 28.5 | 23.2 | 17.5 | 44.6 | 74 |
| Bauchi | 16.9 | 4.4 | 7.3 | 15.4 | 12.8 | 7.5 | 15.4 | 12.9 | 9.0 | 7.7 | 7.5 | 3.3 | 19.7 | 345 |
| Bayelsa | 35.5 | 9.3 | 10.4 | 32.9 | 28.7 | 17.7 | 33.9 | 32.4 | 22.1 | 23.0 | 23.0 | 13.7 | 37.0 | 41 |
| Benue | 30.1 | 11.3 | 11.3 | 35.2 | 25.7 | 16.5 | 35.6 | 28.9 | 20.7 | 18.1 | 19.2 | 12.2 | 37.9 | 132 |
| Borno | 29.9 | 9.3 | 11.7 | 21.8 | 17.1 | 9.0 | 25.9 | 20.8 | 11.0 | 13.7 | 13.7 | 6.5 | 31.9 | 421 |
| Cross River | 49.7 | 12.4 | 18.7 | 47.7 | 42.1 | 24.5 | 47.2 | 40.1 | 24.0 | 24.8 | 24.2 | 15.9 | 54.5 | 76 |
| Delta | 47.7 | 18.4 | 18.8 | 47.1 | 36.1 | 23.7 | 47.8 | 41.7 | 24.1 | 30.4 | 26.2 | 11.8 | 51.1 | 102 |
| Ebonyi | 46.5 | 15.1 | 18.9 | 46.1 | 40.3 | 23.4 | 45.1 | 42.1 | 30.4 | 22.1 | 25.0 | 10.9 | 49.7 | 59 |
| Edo | 48.8 | 27.1 | 28.7 | 45.2 | 41.8 | 27.2 | 46.9 | 44.5 | 27.3 | 37.0 | 39.0 | 23.5 | 55.9 | 81 |
| Ekiti | 56.8 | 37.1 | 41.1 | 55.8 | 53.5 | 39.6 | 63.5 | 60.2 | 47.6 | 41.3 | 45.6 | 28.1 | 65.5 | 30 |
| Enugu | 48.2 | 31.5 | 33.6 | 46.7 | 44.0 | 31.4 | 48.0 | 45.8 | 36.6 | 32.2 | 34.6 | 22.5 | 52.8 | 73 |
| Gombe | 23.0 | 4.1 | 8.6 | 18.8 | 13.9 | 9.4 | 20.4 | 15.7 | 11.2 | 8.2 | 8.6 | 6.8 | 25.8 | 122 |
| Imo | 45.2 | 23.0 | 24.2 | 45.8 | 37.9 | 22.6 | 46.2 | 41.1 | 27.1 | 32.7 | 32.0 | 15.9 | 47.5 | 91 |
| Jigawa | 7.9 | 1.5 | 2.0 | 6.5 | 3.7 | 1.0 | 8.1 | 5.8 | 4.0 | 2.6 | 3.6 | 0.0 | 11.8 | 337 |
| Kaduna | 21.9 | 11.4 | 12.1 | 21.3 | 19.1 | 11.4 | 21.3 | 18.5 | 11.2 | 15.8 | 16.1 | 9.5 | 23.1 | 376 |
| Kano | 16.4 | 1.4 | 4.0 | 13.8 | 9.1 | 5.0 | 14.3 | 11.1 | 5.8 | 5.6 | 5.8 | 2.9 | 19.6 | 554 |
| Katsina | 13.9 | 4.1 | 4.4 | 14.5 | 10.4 | 5.9 | 14.0 | 11.1 | 6.8 | 2.6 | 4.7 | 1.2 | 18.7 | 478 |
| Kebbi | 8.0 | 2.3 | 2.9 | 7.4 | 3.7 | 1.6 | 9.3 | 4.8 | 1.8 | 1.1 | 1.9 | 0.3 | 12.6 | 202 |
| Kogi | 34.3 | 12.8 | 12.1 | 34.4 | 28.2 | 18.7 | 35.8 | 29.4 | 20.3 | 21.7 | 22.5 | 12.6 | 41.5 | 89 |
| Kwara | 13.3 | 4.3 | 4.8 | 11.6 | 9.6 | 6.9 | 11.9 | 11.4 | 8.4 | 7.6 | 6.6 | 4.9 | 19.7 | 66 |
| Lagos | 62.7 | 41.6 | 42.8 | 60.4 | 57.4 | 41.6 | 65.1 | 64.1 | 42.7 | 55.1 | 54.9 | 31.0 | 67.5 | 244 |
| Nasarawa | 25.3 | 11.7 | 12.2 | 25.7 | 19.5 | 6.8 | 25.7 | 21.7 | 10.7 | 8.7 | 11.2 | 3.7 | 26.3 | 127 |
| Niger | 20.9 | 7.3 | 7.8 | 18.6 | 17.5 | 8.0 | 19.2 | 17.6 | 8.9 | 11.1 | 10.7 | 5.1 | 24.7 | 255 |
| Ogun | 44.7 | 23.2 | 28.1 | 41.5 | 40.9 | 30.4 | 41.5 | 40.1 | 30.9 | 29.9 | 25.5 | 18.5 | 45.0 | 72 |
| Ondo | 41.3 | 16.7 | 23.0 | 43.2 | 40.3 | 30.9 | 42.7 | 40.3 | 30.4 | 30.4 | 33.5 | 21.3 | 47.8 | 102 |
| Osun | 50.9 | 21.3 | 25.7 | 44.4 | 42.2 | 30.9 | 48.6 | 45.4 | 36.0 | 35.5 | 34.7 | 21.2 | 53.7 | 96 |
| Oyo | 50.8 | 26.9 | 30.2 | 48.7 | 42.9 | 28.9 | 50.6 | 47.6 | 32.4 | 26.7 | 27.0 | 17.6 | 53.9 | 155 |
| Plateau | 28.3 | 10.9 | 10.1 | 25.9 | 25.1 | 18.6 | 28.5 | 26.0 | 17.6 | 18.6 | 16.3 | 9.5 | 30.7 | 186 |
| Rivers | 58.1 | 31.0 | 31.8 | 55.8 | 41.4 | 27.5 | 57.1 | 49.6 | 32.9 | 39.1 | 39.2 | 17.0 | 60.0 | 82 |
| Sokoto | 2.2 | 0.9 | 0.3 | 2.7 | 0.9 | 0.7 | 1.9 | 1.2 | 0.7 | 0.7 | 1.6 | 0.7 | 5.2 | 218 |
| Taraba | 16.2 | 5.3 | 5.3 | 19.4 | 14.0 | 8.2 | 20.2 | 14.6 | 7.5 | 6.1 | 8.8 | 4.0 | 22.0 | 70 |
| Yobe | 4.4 | 0.5 | 0.9 | 3.6 | 2.0 | 1.6 | 4.8 | 3.3 | 2.0 | 2.2 | 2.2 | 0.0 | 7.0 | 253 |
| Zamfara | 6.4 | 2.4 | 2.8 | 6.1 | 4.1 | 2.6 | 5.6 | 4.1 | 2.1 | 2.4 | 2.9 | 0.7 | 8.2 | 303 |
| FCT-Abuja | 46.6 | 26.8 | 30.5 | 42.4 | 36.6 | 19.1 | 48.2 | 45.1 | 27.0 | 35.1 | 34.7 | 16.6 | 55.2 | 46 |

[a] Includes: BCG, Polio3, DPT3, HepB3, Hib3, and Measles

Table CH.2C (MICS/NICS): Percentage of children 12-23 months who received first dose in a multi-dose sequence but failed to receive the final dose,

The percentage and number of children who received the first dose of a vaccine and failed to receive subsequent dose(s), Nigeria 2016-17

| | OPV1 to OPV3 | | Penta1 to Penta3 | | Penta1 to MCV | | BCG to MCV | |
|------------------------------------|--------------|--------------|------------------|--------------|---------------|--------------|-------------|--------------|
| | Percent | Number | Percent | Number | Percent | Number | Percent | Number |
| Total | 33.9 | 3,373 | 30.5 | 3,370 | 20.7 | 3,370 | 24.0 | 3,648 |
| Geopolitical Zone | | | | | | | | |
| North Central | 35.4 | 735 | 32.6 | 757 | 17.7 | 757 | 19.7 | 809 |
| North East | 31.5 | 387 | 41.8 | 376 | 30.1 | 376 | 35.0 | 420 |
| North West | 36.2 | 558 | 47.3 | 480 | 28.1 | 480 | 34.6 | 563 |
| South East | 36.6 | 476 | 25.8 | 511 | 20.0 | 511 | 21.3 | 539 |
| South South | 34.7 | 622 | 21.5 | 636 | 16.4 | 636 | 19.0 | 667 |
| South West | 28.7 | 595 | 21.1 | 610 | 17.9 | 610 | 20.6 | 650 |
| Residence | | | | | | | | |
| Urban | 31.3 | 1,266 | 26.6 | 1,313 | 14.9 | 1,313 | 17.7 | 1,403 |
| Rural | 35.5 | 2,107 | 33.1 | 2,057 | 24.4 | 2,057 | 28.0 | 2,245 |
| Sex | | | | | | | | |
| Male | 34.5 | 1,686 | 32.0 | 1,686 | 21.2 | 1,686 | 24.5 | 1,819 |
| Female | 33.4 | 1,687 | 29.0 | 1,684 | 20.2 | 1,684 | 23.6 | 1,829 |
| Mother's Education | | | | | | | | |
| None | 35.2 | 273 | 51.1 | 182 | 29.1 | 182 | 36.2 | 224 |
| Primary | 34.1 | 578 | 31.2 | 587 | 25.0 | 587 | 27.4 | 645 |
| Secondary | 32.5 | 1,502 | 27.5 | 1,577 | 18.6 | 1,577 | 20.8 | 1,677 |
| Higher | 27.9 | 466 | 18.4 | 517 | 7.4 | 517 | 8.8 | 532 |
| Missing | 42.2 | 554 | 44.2 | 507 | 32.5 | 507 | 39.1 | 570 |
| Mother's Age (Years) | | | | | | | | |
| 15-19 | 44.6 | 121 | 35.7 | 112 | 24.1 | 112 | 29.4 | 136 |
| 20-29 | 31.9 | 1,485 | 29.9 | 1,481 | 22.1 | 1,481 | 24.8 | 1,604 |
| 30-39 | 33.9 | 1,378 | 29.6 | 1,381 | 18.3 | 1,381 | 21.9 | 1,486 |
| 40-49 | 37.3 | 322 | 35.1 | 325 | 24.3 | 325 | 26.9 | 338 |
| 50+ | 47.3 | 55 | 30.4 | 56 | 12.5 | 56 | 23.5 | 68 |
| Don't know | (*) | 12 | (*) | 15 | (*) | 15 | (*) | 16 |
| Wealth index quintile | | | | | | | | |
| Poorest | 36.0 | 411 | 43.9 | 335 | 31.0 | 335 | 34.5 | 386 |
| Second | 38.0 | 579 | 39.2 | 531 | 29.6 | 531 | 33.5 | 591 |
| Middle | 34.2 | 679 | 30.8 | 692 | 22.7 | 692 | 26.6 | 758 |
| Fourth | 34.1 | 806 | 27.5 | 853 | 18.2 | 853 | 21.3 | 904 |
| Richest | 30.1 | 898 | 23.6 | 959 | 12.9 | 959 | 15.0 | 1,009 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 35.5 | 935 | 46.1 | 816 | 28.3 | 816 | 34.5 | 948 |
| Igbo | 35.4 | 628 | 24.6 | 682 | 18.3 | 682 | 19.2 | 712 |
| Yoruba | 28.8 | 573 | 23.3 | 593 | 14.2 | 593 | 16.2 | 623 |
| Other ethnic group | 34.4 | 1,237 | 27.1 | 1,279 | 20.1 | 1,279 | 22.9 | 1,365 |

(*) Sample data are fewer than 25 unweighted cases

Table CH.2C (MICS/NICS): Percentage of children 12-23 months who received first dose in a multi-dose sequence but failed to receive the final dose, (continued)

The percentage and number of children who received the first dose of a vaccine and failed to receive subsequent dose(s), Nigeria 2016-17

| | OPV1 to OPV3 | | Penta1 to Penta3 | | Penta1 to MCV | | BCG to MCV | |
|--------------|--------------|--------------|------------------|--------------|---------------|--------------|-------------|--------------|
| | Percent | Number | Percent | Number | Percent | Number | Percent | Number |
| Total | 33.9 | 3,373 | 30.5 | 3,370 | 20.7 | 3,370 | 24.0 | 3,648 |
| State | | | | | | | | |
| Abia | 43.6 | 110 | 35.1 | 114 | 18.4 | 114 | 21.1 | 123 |
| Adamawa | 31.0 | 87 | 33.7 | 83 | 20.5 | 83 | 28.4 | 95 |
| Akwa Ibom | 24.8 | 125 | 15.8 | 133 | 20.3 | 133 | 22.1 | 136 |
| Anambra | 28.1 | 96 | 15.7 | 102 | 18.6 | 102 | 19.6 | 102 |
| Bauchi | 27.0 | 89 | 46.4 | 84 | 41.7 | 84 | 49.5 | 95 |
| Bayelsa | 48.4 | 95 | 30.3 | 89 | 22.5 | 89 | 26.0 | 96 |
| Benue | 35.4 | 99 | 17.6 | 102 | 22.5 | 102 | 22.8 | 101 |
| Borno | 42.0 | 50 | 34.0 | 50 | 24.0 | 50 | 29.1 | 55 |
| Cross River | 27.6 | 98 | 21.8 | 101 | 13.9 | 101 | 18.7 | 107 |
| Delta | 33.0 | 100 | 29.0 | 107 | 19.6 | 107 | 21.2 | 113 |
| Ebonyi | 32.0 | 75 | 30.6 | 85 | 29.4 | 85 | 28.7 | 87 |
| Edo | 41.3 | 121 | 15.4 | 123 | 8.1 | 123 | 11.4 | 132 |
| Ekiti | 24.2 | 66 | 17.6 | 74 | 13.5 | 74 | 13.7 | 73 |
| Enugu | 32.6 | 89 | 21.9 | 96 | 16.7 | 96 | 16.2 | 105 |
| Gombe | 26.3 | 99 | 43.3 | 90 | 35.6 | 90 | 42.1 | 107 |
| Imo | 43.4 | 106 | 25.4 | 114 | 18.4 | 114 | 22.1 | 122 |
| Jigawa | (53.7) | 41 | 58.8 | 51 | 58.8 | 51 | 64.6 | 65 |
| Kaduna | 15.9 | 88 | 32.7 | 101 | 11.9 | 101 | 16.4 | 110 |
| Kano | 49.0 | 145 | 45.3 | 148 | 27.7 | 148 | 36.2 | 177 |
| Katsina | 34.1 | 85 | 58.3 | 72 | 31.9 | 72 | 34.7 | 72 |
| Kebbi | 48.4 | 62 | (41.3) | 46 | (30.4) | 46 | 24.1 | 54 |
| Kogi | 44.0 | 100 | 42.5 | 106 | 19.8 | 106 | 19.7 | 122 |
| Kwara | 40.2 | 82 | 30.5 | 82 | 7.3 | 82 | 7.1 | 84 |
| Lagos | 22.4 | 170 | 17.7 | 175 | 10.9 | 175 | 11.8 | 178 |
| Nasarawa | 42.0 | 100 | 38.1 | 97 | 18.6 | 97 | 24.3 | 107 |
| Niger | 41.4 | 87 | 37.3 | 67 | 22.4 | 67 | 28.6 | 70 |
| Ogun | 29.2 | 89 | 26.9 | 93 | 24.7 | 93 | 26.9 | 104 |
| Ondo | 33.6 | 107 | 14.6 | 103 | 12.6 | 103 | 17.2 | 116 |
| Osun | 29.4 | 68 | 30.1 | 73 | 24.7 | 73 | 27.6 | 76 |
| Oyo | 36.8 | 95 | 25.0 | 92 | 28.3 | 92 | 33.0 | 103 |
| Plateau | 30.6 | 144 | 38.0 | 150 | 18.7 | 150 | 21.5 | 172 |
| Rivers | 34.9 | 83 | 20.5 | 83 | 14.5 | 83 | 15.7 | 83 |
| Sokoto | (47.4) | 38 | (70.4) | 27 | (33.3) | 27 | (48.7) | 39 |
| Taraba | (39.4) | 33 | (48.6) | 35 | (25.7) | 35 | (21.6) | 37 |
| Yobe | (37.9) | 29 | (50.0) | 34 | (23.5) | 34 | (12.9) | 31 |
| Zamfara | 18.2 | 99 | (48.6) | 35 | (17.1) | 35 | (30.4) | 46 |
| FCT-Abuja | 21.1 | 123 | 26.1 | 153 | 15.0 | 153 | 15.0 | 153 |

() Sample data are based on 25-49 unweighted cases

Table CH.2D (MICS/NICS): Timeliness of vaccination for children 12-23 months,

Percentage and number of children with evidence of receiving vaccines at the recommended interval, Nigeria 2016-17

| | Timeliness of Doses ^{a,b} | | | | | | Source of Timeliness Data | |
|------------------------------------|---|--------------|--|--------------|---|--------------|---------------------------|-------------------------------------|
| | Penta1 doses given before six weeks of age ^c | | Measles doses given before nine months of aged | | Penta intervals shorter than 28 days ^e | | Card seen | Number of children age 12-23 months |
| | Percent | Number | Percent | Number | Percent | Number | | |
| Total | 12.7 | 1,745 | 17.3 | 1,299 | 7.6 | 3,177 | 29.0 | 6,268 |
| Geopolitical Zone | | | | | | | | |
| North Central | 12.1 | 340 | 17.8 | 253 | 9.6 | 657 | 30.9 | 900 |
| North East | 17.3 | 191 | 25.2 | 127 | 9.0 | 333 | 24.4 | 1,346 |
| North West | 13.2 | 219 | 29.3 | 147 | 9.1 | 331 | 15.6 | 2,468 |
| South East | 15.2 | 256 | 15.9 | 189 | 5.5 | 472 | 47.1 | 353 |
| South South | 11.0 | 355 | 15.5 | 278 | 8.2 | 649 | 51.6 | 503 |
| South West | 10.7 | 384 | 10.5 | 305 | 5.4 | 735 | 57.3 | 698 |
| Sex | | | | | | | | |
| Male | 10.8 | 859 | 16.0 | 620 | 8.3 | 1,564 | 28.7 | 3,121 |
| Female | 14.6 | 886 | 18.6 | 679 | 6.9 | 1,613 | 29.3 | 3,147 |
| Residence | | | | | | | | |
| Urban | 12.2 | 705 | 13.2 | 584 | 6.7 | 1,333 | 41.6 | 1,970 |
| Rural | 13.1 | 1,040 | 20.7 | 715 | 8.3 | 1,844 | 23.2 | 4,298 |
| Mother's Education | | | | | | | | |
| None | 7.4 | 68 | (48.8) | 41 | 12.7 | 102 | 11.0 | 1,355 |
| Primary | 12.8 | 298 | 19.1 | 194 | 8.6 | 548 | 32.0 | 896 |
| Secondary | 12.2 | 867 | 15.5 | 673 | 7.0 | 1,603 | 46.8 | 1,735 |
| Higher | 12.4 | 283 | 13.4 | 254 | 7.0 | 554 | 52.3 | 490 |
| Missing | 16.6 | 229 | 21.9 | 137 | 8.4 | 370 | 17.6 | 1,792 |
| Mother's Age (Years) | | | | | | | | |
| 15-19 | 15.1 | 53 | (21.2) | 33 | 12.8 | 94 | 15.0 | 377 |
| 20-29 | 14.1 | 811 | 17.5 | 587 | 7.0 | 1,451 | 28.9 | 2,873 |
| 30-39 | 11.3 | 711 | 16.3 | 560 | 7.8 | 1,321 | 33.0 | 2,324 |
| 40-49 | 11.6 | 147 | 21.0 | 100 | 7.9 | 265 | 24.0 | 587 |
| 50+ | (*) | 19 | (*) | 15 | (10.8) | 37 | 21.1 | 93 |
| Don't know | (*) | 4 | (*) | 4 | (*) | 9 | (*) | 14 |
| Wealth index quintile | | | | | | | | |
| Poorest | 12.8 | 149 | 26.4 | 87 | 8.4 | 263 | 11.8 | 1,454 |
| Second | 12.5 | 248 | 24.5 | 155 | 11.5 | 409 | 19.3 | 1,370 |
| Middle | 13.0 | 378 | 20.8 | 269 | 7.7 | 659 | 30.8 | 1,205 |
| Fourth | 13.3 | 444 | 14.9 | 335 | 7.3 | 827 | 39.3 | 1,150 |
| Richest | 12.2 | 526 | 12.8 | 453 | 6.1 | 1,019 | 51.5 | 1,089 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 12.9 | 365 | 29.7 | 239 | 9.0 | 588 | 16.1 | 3,544 |
| Igbo | 14.8 | 337 | 13.7 | 262 | 5.7 | 633 | 48.7 | 523 |
| Yoruba | 10.2 | 342 | 10.1 | 278 | 6.3 | 668 | 55.6 | 612 |
| Other ethnic group | 12.8 | 701 | 17.3 | 520 | 8.6 | 1,288 | 41.1 | 1,590 |

(*) Sample data are fewer than 25 unweighted cases

() Sample data are based on 25-49 unweighted cases

Table CH.2D (MICS/NICS): Timeliness of vaccination for children 12-23 months (continued)

Percentage and number of children with evidence of receiving vaccines at the recommended interval, Nigeria MICS/NICS 2016-17

| | Timeliness of Doses ^{a,b} | | | | | | Source of Timeliness Data | |
|--------------|---|--------------|--|--------------|---|--------------|---------------------------|---------------------------|
| | Penta1 doses given before six weeks of age ^c | | Measles doses given before nine months of aged | | Penta intervals shorter than 28 days ^e | | Card seen | Children age 12-23 months |
| | Percent | Number | Percent | Number | Percent | Number | | |
| Total | 12.7 | 1,745 | 17.3 | 1,299 | 7.6 | 3,177 | 29.0 | 6,268 |
| State | | | | | | | | |
| Abia | 15.1 | 53 | (17.1) | 41 | 3.1 | 97 | 39.9 | 57 |
| Adamawa | 20.0 | 55 | (25.0) | 44 | 7.5 | 106 | 46.2 | 134 |
| Akwa Ibom | 13.4 | 67 | 13.7 | 51 | 1.5 | 132 | 46.8 | 120 |
| Anambra | 17.6 | 51 | (23.5) | 34 | 13.8 | 94 | 44.6 | 74 |
| Bauchi | (10.3) | 39 | (32.1) | 28 | 9.9 | 71 | 19.7 | 345 |
| Bayelsa | (8.3) | 48 | (20.5) | 39 | 3.7 | 82 | 37.0 | 41 |
| Benue | (4.3) | 46 | (17.2) | 29 | 15.9 | 82 | 37.9 | 132 |
| Borno | (*) | 22 | (*) | 12 | (11.8) | 34 | 31.9 | 421 |
| Cross River | 10.7 | 56 | (30.0) | 40 | 13.4 | 97 | 54.5 | 76 |
| Delta | 9.4 | 64 | (15.6) | 45 | 11.6 | 112 | 51.1 | 102 |
| Ebonyi | (20.8) | 48 | (24.2) | 33 | 2.2 | 90 | 49.7 | 59 |
| Edo | 13.6 | 66 | 5.2 | 58 | 9.7 | 134 | 55.9 | 81 |
| Ekiti | 7.8 | 51 | (5.0) | 40 | 2.1 | 97 | 65.5 | 30 |
| Enugu | 12.0 | 50 | (7.9) | 38 | 2.2 | 92 | 52.8 | 73 |
| Gombe | (24.4) | 45 | (28.0) | 25 | 5.3 | 76 | 25.8 | 122 |
| Imo | 11.1 | 54 | (9.3) | 43 | 6.1 | 99 | 47.5 | 91 |
| Jigawa | (*) | 23 | (*) | 10 | (5.6) | 36 | 11.8 | 337 |
| Kaduna | (14.3) | 49 | (15.9) | 44 | 11.5 | 87 | 23.1 | 376 |
| Kano | 13.2 | 76 | 41.2 | 51 | 8.0 | 112 | 19.6 | 554 |
| Katsina | (11.8) | 34 | (*) | 17 | (4.3) | 47 | 18.7 | 478 |
| Kebbi | (*) | 20 | (*) | 10 | (*) | 18 | 12.6 | 202 |
| Kogi | 8.8 | 57 | (18.6) | 43 | 8.2 | 98 | 41.5 | 89 |
| Kwara | (*) | 15 | (*) | 11 | (0.0) | 34 | 19.7 | 66 |
| Lagos | 15.8 | 114 | 9.0 | 100 | 4.9 | 225 | 67.5 | 244 |
| Nasarawa | (17.8) | 45 | (28.6) | 28 | 18.2 | 77 | 26.3 | 127 |
| Niger | (15.8) | 38 | (19.2) | 26 | 6.8 | 73 | 24.7 | 255 |
| Ogun | 13.8 | 58 | (15.0) | 40 | 4.8 | 105 | 45.0 | 72 |
| Ondo | 5.5 | 55 | (8.2) | 49 | 6.9 | 116 | 47.8 | 102 |
| Osun | (8.9) | 45 | (8.8) | 34 | 7.6 | 79 | 53.7 | 96 |
| Oyo | 6.6 | 61 | (19.0) | 42 | 7.1 | 113 | 53.9 | 155 |
| Plateau | 9.8 | 61 | (18.8) | 48 | 7.6 | 119 | 30.7 | 186 |
| Rivers | 9.3 | 54 | (13.3) | 45 | 9.8 | 92 | 60.0 | 82 |
| Sokoto | (*) | 6 | (*) | 7 | (*) | 10 | 5.2 | 218 |
| Taraba | (*) | 21 | (*) | 12 | (13.3) | 30 | 22.0 | 70 |
| Yobe | (*) | 9 | (*) | 6 | (*) | 16 | 7.0 | 253 |
| FCT-Abuja | 16.7 | 78 | 11.8 | 68 | 8.0 | 174 | 55.2 | 46 |

[a] Estimates are from pooled MICS and NICS survey datasets

[b] All timeliness percentages are unweighted estimates; all evidence of timely vaccination is from dates on home-based record (vaccination card)

[c] Number of children with a recorded date of birth and recorded date of Penta1 vaccination

[d] Number of children with a recorded date of birth and recorded date of Measles vaccination

[e] Number of Penta1-to-Penta2 pairs plus the number of Penta2-to-Penta3 pairs where the dates of vaccination are recorded on the card

(*) Sample data are fewer than 25 unweighted cases

() Sample data are based on 25-49 unweighted cases

Table CH.2E MICS/NICS: Missed opportunities for vaccination (MOV) 12-23 months

Overview of the percentage of children who had missed opportunities for vaccination, Nigeria 2016-17

| | Number of children age 12-23 months in survey | Number of children 12-23 months who had card seen | Weighted percent of children 12-23 months who had card seen | Number of children 12-23 months with card seen and 1+ age-eligible vaccination visits | Number of children 12-23 months who experienced 1+ documented MOVs | Percent of children with age-eligible visits who experienced 1+ MOVs | Among children 1 with 1+ MOVs, percent who had ALL MOVs later corrected | Among children 1 with 1+ MOVs, percent who had NO MOVs later corrected | Among children 1 with 1+ MOVs, percent who had SOME BUT NOT ALL MOVs later corrected |
|------------------------------------|---|---|---|---|--|--|---|--|--|
| Total | 6,268 | 2,019 | 29.0 | 1,912 | 1,704 | 89.1 | 22.4 | 27.9 | 49.8 |
| Geopolitical Zone | | | | | | | | | |
| North Central | 1,200 | 405 | 30.9 | 372 | 336 | 90.3 | 21.7 | 28.0 | 50.3 |
| North East | 909 | 230 | 24.4 | 216 | 199 | 92.1 | 9.5 | 36.7 | 53.8 |
| North West | 1,943 | 296 | 15.6 | 274 | 245 | 89.4 | 9.4 | 40.4 | 50.2 |
| South East | 607 | 277 | 47.1 | 271 | 228 | 84.1 | 28.1 | 21.5 | 50.4 |
| South South | 819 | 396 | 51.6 | 378 | 340 | 89.9 | 28.5 | 16.8 | 54.7 |
| South West | 790 | 415 | 57.3 | 401 | 356 | 88.8 | 29.5 | 28.9 | 41.6 |
| Residence | | | | | | | | | |
| Urban | 1,797 | 799 | 41.6 | 759 | 670 | 88.3 | 26.7 | 25.2 | 48.1 |
| Rural | 4,471 | 1,220 | 23.2 | 1,153 | 1,034 | 89.7 | 19.5 | 29.6 | 50.9 |
| Sex | | | | | | | | | |
| Male | 3,111 | 989 | 28.7 | 925 | 818 | 88.4 | 23.8 | 27.4 | 48.8 |
| Female | 3,157 | 1,030 | 29.3 | 987 | 886 | 89.8 | 21.0 | 28.3 | 50.7 |
| Mother's Education | | | | | | | | | |
| None | 1,073 | 104 | 11.0 | 96 | 88 | 91.7 | 6.8 | 51.1 | 42.0 |
| Primary | 1,014 | 350 | 32.0 | 326 | 296 | 90.8 | 16.2 | 28.0 | 55.7 |
| Secondary | 2,037 | 975 | 46.8 | 928 | 824 | 88.8 | 25.5 | 23.4 | 51.1 |
| Higher | 562 | 302 | 52.3 | 294 | 258 | 87.8 | 36.0 | 22.9 | 41.1 |
| Missing | 1,582 | 288 | 17.6 | 268 | 238 | 88.8 | 10.1 | 39.9 | 50.0 |
| Mother's Age (Years) | | | | | | | | | |
| 15-19 | 351 | 67 | 15.0 | 61 | 56 | 91.8 | 19.6 | 21.4 | 58.9 |
| 20-29 | 2,830 | 934 | 28.9 | 884 | 780 | 88.2 | 20.8 | 28.7 | 50.5 |
| 30-39 | 2,337 | 815 | 33.0 | 779 | 697 | 89.5 | 24.8 | 27.0 | 48.2 |
| 40-49 | 608 | 173 | 24.0 | 162 | 149 | 92.0 | 19.5 | 30.2 | 50.3 |
| 50+ | 122 | 24 | 21.1 | 21 | (*) | (*) | (*) | (*) | (*) |
| Don't know | 20 | (*) | (*) | 5 | (*) | (*) | (*) | (*) | (*) |
| Wealth index quintile | | | | | | | | | |
| Poorest | 1,368 | 188 | 11.8 | 168 | 154 | 91.7 | 9.1 | 37.7 | 53.2 |
| Second | 1,354 | 305 | 19.3 | 288 | 259 | 89.9 | 15.8 | 32.8 | 51.4 |
| Middle | 1,241 | 432 | 30.8 | 419 | 377 | 90.0 | 19.4 | 27.9 | 52.8 |
| Fourth | 1,169 | 507 | 39.3 | 482 | 433 | 89.8 | 24.2 | 24.2 | 51.5 |
| Richest | 1,136 | 587 | 51.5 | 555 | 481 | 86.7 | 30.8 | 25.4 | 43.9 |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 2,791 | 472 | 16.1 | 438 | 404 | 92.2 | 12.4 | 38.1 | 49.5 |
| Igbo | 801 | 371 | 48.7 | 356 | 302 | 84.8 | 28.1 | 21.2 | 50.7 |
| Yoruba | 737 | 376 | 55.6 | 357 | 320 | 89.6 | 30.3 | 29.4 | 40.3 |
| Other ethnic group | 1,939 | 800 | 41.1 | 761 | 678 | 89.1 | 22.0 | 24.0 | 54.0 |

MOV = Missed opportunity for vaccination

(*) Sample data are fewer than 25 unweighted cases

Table CH.2E: Missed opportunity for vaccination (MOV) for children aged 12-23 months (continued)

Overview of the percentage of children who had missed opportunities for vaccination, Nigeria 2016-17

| | Number of children age 12-23 months in survey | Number of children 12-23 months who had card seen | Weighted percent of children 12-23 months who had card seen | Number of children 12-23 months with card seen and 1+ age-eligible vaccination visits | Number of children 12-23 months who experienced 1+ documented MOVs | Percent of children with age-eligible visits who experienced 1+ MOVs | Among children 1 with 1+ MOVs, percent who had ALL MOVs later corrected | Among children 1 with 1+ MOVs, percent who had NO MOVs later corrected | Among children 1 with 1+ MOVs, percent who had SOME BUT NOT ALL MOVs later corrected |
|--------------|---|---|---|---|--|--|---|--|--|
| Total | 6,268 | 2,019 | 29.0 | 1,912 | 1,704 | 89.1 | 22.4 | 27.9 | 49.8 |
| State | | | | | | | | | |
| Abia | 145 | 58 | 39.9 | 57 | 50 | 87.7 | 16.0 | 18.0 | 66.0 |
| Adamawa | 139 | 66 | 46.2 | 61 | 57 | 93.4 | 7.0 | 35.1 | 57.9 |
| Akwa Ibom | 167 | 73 | 46.8 | 72 | 63 | 87.5 | 25.4 | 22.2 | 52.4 |
| Anambra | 115 | 51 | 44.6 | 51 | 37 | 72.5 | 40.5 | 21.6 | 37.8 |
| Bauchi | 221 | 48 | 19.7 | 45 | (42) | (93.3) | (4.8) | (40.5) | (54.8) |
| Bayelsa | 146 | 52 | 37.0 | 50 | 47 | 94.0 | 38.3 | 23.4 | 38.3 |
| Benue | 152 | 52 | 37.9 | 50 | 50 | 100.0 | 16.0 | 26.0 | 58.0 |
| Borno | 74 | 25 | 31.9 | 25 | (23) | (92.0) | (8.7) | (26.1) | (65.2) |
| Cross River | 122 | 66 | 54.5 | 61 | 54 | 88.5 | 22.2 | 18.5 | 59.3 |
| Delta | 146 | 70 | 51.1 | 67 | 62 | 92.5 | 24.2 | 11.3 | 64.5 |
| Ebonyi | 103 | 53 | 49.7 | 51 | 46 | 90.2 | 17.4 | 19.6 | 63.0 |
| Edo | 138 | 77 | 55.9 | 71 | 60 | 84.5 | 35.0 | 15.0 | 50.0 |
| Ekiti | 84 | 54 | 65.5 | 53 | 53 | 100.0 | 1.9 | 30.2 | 67.9 |
| Enugu | 115 | 55 | 52.8 | 53 | 41 | 77.4 | 34.1 | 22.0 | 43.9 |
| Gombe | 197 | 54 | 25.8 | 50 | 46 | 92.0 | 13.0 | 32.6 | 54.3 |
| Imo | 129 | 60 | 47.5 | 59 | 54 | 91.5 | 35.2 | 25.9 | 38.9 |
| Jigawa | 266 | 33 | 11.8 | 27 | (24) | (88.9) | (8.3) | (41.7) | (50.0) |
| Kaduna | 194 | 55 | 23.1 | 54 | 43 | 79.6 | 25.6 | 20.9 | 53.5 |
| Kano | 530 | 103 | 19.6 | 98 | 93 | 94.9 | 6.5 | 44.1 | 49.5 |
| Katsina | 253 | 45 | 18.7 | 43 | (39) | (90.7) | (5.1) | (48.7) | (46.2) |
| Kebbi | 214 | 28 | 12.6 | 26 | (23) | (88.5) | (4.3) | (43.5) | (52.2) |
| Kogi | 168 | 68 | 41.5 | 62 | 59 | 95.2 | 28.8 | 28.8 | 42.4 |
| Kwara | 119 | 23 | 19.7 | 18 | (*) | (*) | (*) | (*) | (*) |
| Lagos | 187 | 121 | 67.5 | 117 | 94 | 80.3 | 46.8 | 27.7 | 25.5 |
| Nasarawa | 167 | 47 | 26.3 | 46 | (41) | (89.1) | (22.0) | (29.3) | (48.8) |
| Niger | 188 | 49 | 24.7 | 46 | (42) | (91.3) | (7.1) | (35.7) | (57.1) |
| Ogun | 132 | 61 | 45.0 | 60 | 54 | 90.0 | 42.6 | 16.7 | 40.7 |
| Ondo | 147 | 64 | 47.8 | 59 | 54 | 91.5 | 13.0 | 42.6 | 44.4 |
| Osun | 88 | 47 | 53.7 | 46 | (41) | (89.1) | (31.7) | (24.4) | (43.9) |
| Oyo | 152 | 68 | 53.9 | 66 | 60 | 90.9 | 28.3 | 31.7 | 40.0 |
| Plateau | 226 | 69 | 30.7 | 65 | 59 | 90.8 | 23.7 | 22.0 | 54.2 |
| Rivers | 100 | 58 | 60.0 | 57 | 54 | 94.7 | 27.8 | 11.1 | 61.1 |
| Sokoto | 245 | 14 | 5.2 | 12 | (*) | (*) | (*) | (*) | (*) |
| Taraba | 98 | 23 | 22.0 | 23 | (*) | (*) | (*) | (*) | (*) |
| Yobe | 180 | 14 | 7.0 | 12 | (*) | (*) | (*) | (*) | (*) |
| Zamfara | 241 | 18 | 8.2 | 14 | (*) | (*) | (*) | (*) | (*) |
| FCT-Abuja | 180 | 97 | 55.2 | 85 | 69 | 81.2 | 20.3 | 29.0 | 50.7 |

MOV = Missed opportunity for vaccination

(*) Sample data are fewer than 25 unweighted cases, () Sample data are based on 25-49 unweighted cases

Table CH.2F MICS/NICS: Places Children Receive Vaccines

| Percentage showing places where children received their vaccinations, Nigeria 2016-17 | | | | | | | |
|---|---------------------|--------------------------|---|----------------------------------|---|------------|--------------------|
| | Government hospital | Government health centre | Mobile / Outreach clinic by government services | Private facility (including NGO) | Campaigns / Supplementary immunization activities | Other | Number of children |
| Total | 28.2 | 55.4 | 8.5 | 5.3 | 22.5 | 1.4 | 4,203 |
| Geopolitical Zone | | | | | | | |
| North Central | 36.5 | 51.6 | 11.6 | 5.2 | 24.9 | 0.3 | 905 |
| North East | 28.8 | 50.4 | 8.3 | 1.0 | 25.2 | 0.0 | 520 |
| North West | 39.9 | 23.7 | 8.5 | 1.4 | 33.8 | 4.5 | 843 |
| South East | 15.3 | 75.5 | 4.3 | 12.3 | 14.4 | 0.4 | 555 |
| South South | 25.5 | 66.7 | 7.7 | 5.9 | 20.5 | 1.1 | 697 |
| South West | 15.4 | 75.3 | 8.6 | 7.2 | 12.0 | 1.0 | 683 |
| Residence | | | | | | | |
| Urban | 35.4 | 54.3 | 8.0 | 8.2 | 15.7 | 1.5 | 1,493 |
| Rural | 24.2 | 55.9 | 8.7 | 3.7 | 26.3 | 1.3 | 2,710 |
| Sex | | | | | | | |
| Male | 29.5 | 54.2 | 8.9 | 5.2 | 21.3 | 1.3 | 2,105 |
| Female | 26.9 | 56.5 | 8.1 | 5.3 | 23.7 | 1.5 | 2,098 |
| Mother's Education | | | | | | | |
| None | 30.5 | 22.7 | 11.2 | 0.0 | 39.1 | 6.0 | 384 |
| Primary | 26.3 | 59.5 | 9.3 | 5.4 | 22.8 | 0.8 | 723 |
| Secondary | 29.2 | 63.9 | 7.1 | 5.9 | 15.9 | 0.6 | 1,771 |
| Higher | 34.9 | 56.9 | 6.5 | 11.8 | 14.6 | 0.7 | 541 |
| Missing | 21.8 | 47.3 | 11.0 | 1.9 | 34.4 | 1.8 | 784 |
| Mother's Age (Years) | | | | | | | |
| 15-19 | 22.9 | 59.4 | 12.4 | 0.6 | 24.1 | 2.4 | 170 |
| 20-29 | 28.4 | 55.2 | 8.0 | 4.9 | 22.3 | 1.2 | 1,855 |
| 30-39 | 28.5 | 55.7 | 7.7 | 6.5 | 21.7 | 1.4 | 1,680 |
| 40-49 | 28.0 | 52.5 | 12.1 | 4.0 | 25.2 | 1.5 | 404 |
| 50+ | 32.1 | 55.1 | 7.7 | 3.8 | 21.8 | 0.0 | 78 |
| Don't know | (*) | (*) | (*) | (*) | (*) | (*) | 16 |
| Wealth index quintile | | | | | | | |
| Poorest | 20.3 | 41.8 | 10.8 | 1.4 | 39.8 | 3.2 | 586 |
| Second | 23.1 | 51.3 | 10.2 | 3.1 | 27.5 | 2.4 | 754 |
| Middle | 24.6 | 60.4 | 10.7 | 5.2 | 24.2 | 1.0 | 861 |
| Fourth | 31.8 | 60.9 | 5.9 | 6.1 | 15.8 | 0.6 | 957 |
| Richest | 35.9 | 56.7 | 6.6 | 8.4 | 14.1 | 0.6 | 1,045 |
| Ethnicity of household head | | | | | | | |
| Hausa | 34.9 | 33.5 | 9.4 | 1.5 | 33.1 | 2.9 | 1,331 |
| Igbo | 21.7 | 70.1 | 4.5 | 11.5 | 14.5 | 0.3 | 738 |
| Yoruba | 21.2 | 71.0 | 10.1 | 6.0 | 13.1 | 1.1 | 655 |
| Other ethnic group | 28.4 | 60.8 | 9.0 | 5.3 | 21.1 | 0.7 | 1,479 |

(*) Sample data are fewer than 25 unweighted cases

Table CH.2F (MICS/NICS): Places Children Receive Vaccines (continued)

Percentage showing places where children received their vaccinations, Nigeria 2016-17

| | Government hospital | Government health centre | Mobile / Outreach clinic by government services | Private facility (including NGO) | Campaigns / Supplementary immunization activities | Other | Number of children |
|--------------|---------------------|--------------------------|---|----------------------------------|---|------------|--------------------|
| Total | 28.2 | 55.4 | 8.5 | 5.3 | 22.5 | 1.4 | 4,203 |
| State | | | | | | | |
| Abia | 18.9 | 78.7 | 4.7 | 4.7 | 12.6 | 0.0 | 127 |
| Adamawa | 27.2 | 63.1 | 5.8 | 1.9 | 5.8 | 0.0 | 103 |
| Akwa Ibom | 27.1 | 74.3 | 7.1 | 3.6 | 35.7 | 1.4 | 140 |
| Anambra | 23.4 | 59.8 | 5.6 | 18.7 | 24.3 | 0.9 | 107 |
| Bauchi | 21.0 | 46.4 | 7.2 | 0.7 | 35.5 | 0.0 | 138 |
| Bayelsa | 14.7 | 71.6 | 5.5 | 1.8 | 32.1 | 0.9 | 109 |
| Benue | 27.3 | 60.0 | 18.2 | 4.5 | 10.9 | 0.9 | 110 |
| Borno | 46.8 | 32.3 | 24.2 | 0.0 | 22.6 | 0.0 | 62 |
| Cross River | 13.9 | 83.3 | 8.3 | 0.9 | 30.6 | 1.9 | 108 |
| Delta | 23.7 | 66.9 | 2.5 | 6.8 | 8.5 | 0.0 | 118 |
| Ebonyi | 13.6 | 79.5 | 2.3 | 10.2 | 8.0 | 0.0 | 88 |
| Edo | 47.8 | 35.8 | 7.5 | 14.9 | 4.5 | 1.5 | 134 |
| Ekiti | 5.1 | 89.9 | 0.0 | 1.3 | 13.9 | 1.3 | 79 |
| Enugu | 12.8 | 70.6 | 4.6 | 20.2 | 14.7 | 0.0 | 109 |
| Gombe | 28.0 | 51.5 | 6.1 | 1.5 | 38.6 | 0.0 | 132 |
| Imo | 8.1 | 87.1 | 4.0 | 8.9 | 12.1 | 0.8 | 124 |
| Jigawa | 20.5 | 29.1 | 15.4 | 0.0 | 49.6 | 0.0 | 117 |
| Kaduna | 58.7 | 32.2 | 2.5 | 5.0 | 31.4 | 0.0 | 121 |
| Kano | 57.5 | 18.3 | 3.7 | 1.4 | 21.5 | 0.5 | 219 |
| Katsina | 21.0 | 30.3 | 10.1 | 1.7 | 44.5 | 0.0 | 119 |
| Kebbi | 35.2 | 31.8 | 1.1 | 0.0 | 54.5 | 0.0 | 88 |
| Kogi | 56.3 | 32.6 | 8.1 | 13.3 | 7.4 | 0.7 | 135 |
| Kwara | 31.1 | 57.8 | 13.3 | 3.3 | 16.7 | 0.0 | 90 |
| Lagos | 12.2 | 74.4 | 2.8 | 13.9 | 2.8 | 0.0 | 180 |
| Nasarawa | 26.0 | 52.0 | 10.6 | 2.4 | 33.3 | 0.0 | 123 |
| Niger | 30.7 | 38.6 | 16.8 | 4.0 | 28.7 | 0.0 | 101 |
| Ogun | 20.5 | 71.4 | 24.1 | 8.9 | 9.8 | 3.6 | 112 |
| Ondo | 12.1 | 84.7 | 10.5 | 0.0 | 14.5 | 0.0 | 124 |
| Osun | 24.1 | 67.1 | 13.9 | 6.3 | 26.6 | 2.5 | 79 |
| Oyo | 20.2 | 65.1 | 2.8 | 7.3 | 14.7 | 0.0 | 109 |
| Plateau | 31.6 | 55.1 | 6.4 | 2.7 | 33.7 | 0.5 | 187 |
| Rivers | 19.3 | 75.0 | 18.2 | 5.7 | 10.2 | 1.1 | 88 |
| Sokoto | 42.4 | 12.1 | 6.1 | 1.5 | 45.5 | 3.0 | 66 |
| Taraba | (20.5) | (70.5) | (6.8) | (0.0) | (6.8) | (0.0) | 44 |
| Yobe | (43.9) | (34.1) | (2.4) | (0.0) | (19.5) | (0.0) | 41 |
| Zamfara | 27.4 | 13.3 | 23.0 | 0.0 | 9.7 | 31.0 | 113 |
| FCT-Abuja | 46.5 | 62.3 | 12.6 | 5.7 | 34.6 | 0.0 | 159 |

() Sample data are based on 25-49 unweighted cases

Neonatal Tetanus Protection

The strategy for preventing maternal and neonatal tetanus is to ensure that all pregnant women receive at least two doses of tetanus toxoid vaccine. If a woman has not received at least two doses of tetanus toxoid during a particular pregnancy, she (and her newborn) are also considered to be protected against tetanus if the woman:

- Received at least two doses of tetanus toxoid vaccine, the last within the previous 3 years;
- Received at least 3 doses, the last within the previous 5 years;
- Received at least 4 doses, the last within the previous 10 years;
- Received 5 or more doses anytime during her life.

Table CH.3: Neonatal tetanus protection

Percentage of women age 15-49 years with a live birth in the last 2 years protected against neonatal tetanus, Nigeria, 2016-17

| | Percentage of women who received at least 2 doses during last pregnancy | Percentage of women who did not receive two or more doses during last pregnancy but received: | | | | Protected against tetanus ¹ | Number of women with a live birth in the last 2 years |
|------------------------------------|---|---|----------------------------------|-----------------------------------|---------------------------------|--|---|
| | | 2 doses, the last within 3 years | 3 doses, the last within 5 years | 4 doses, the last within 10 years | 5 or more doses during lifetime | | |
| Total | 47.7 | 7.0 | 0.4 | 0.2 | 0.1 | 55.3 | 11,547 |
| Geopolitical zone | | | | | | | |
| North Central | 43.4 | 6.0 | 0.2 | 0.2 | 0.2 | 49.9 | 1,770 |
| North East | 47.1 | 8.3 | 0.5 | 0.3 | 0.1 | 56.3 | 2,394 |
| North West | 34.1 | 7.6 | 0.5 | 0.0 | 0.0 | 42.2 | 4,603 |
| South East | 79.8 | 3.6 | 0.2 | 0.2 | 0.0 | 83.9 | 620 |
| South South | 70.3 | 6.2 | 0.0 | 0.0 | 0.0 | 76.5 | 900 |
| South West | 72.8 | 6.2 | 0.4 | 0.5 | 0.0 | 79.9 | 1,261 |
| Residence | | | | | | | |
| Urban | 66.4 | 8.9 | 0.6 | 0.2 | 0.0 | 76.2 | 3,426 |
| Rural | 39.8 | 6.3 | 0.3 | 0.1 | 0.1 | 46.5 | 8,121 |
| Mother's Education | | | | | | | |
| None | 29.8 | 7.0 | 0.1 | 0.2 | 0.1 | 37.3 | 3,208 |
| Non-formal | 28.1 | 5.5 | 0.4 | 0.0 | 0.0 | 34.0 | 2,560 |
| Primary | 52.0 | 9.4 | 0.3 | 0.2 | 0.0 | 61.9 | 1,716 |
| Secondary | 69.8 | 6.9 | 0.6 | 0.2 | 0.0 | 77.4 | 3,182 |
| Higher | 81.7 | 7.4 | 0.6 | 0.4 | 0.1 | 90.2 | 882 |
| Wealth index quintile | | | | | | | |
| Poorest | 20.6 | 4.8 | 0.2 | 0.0 | 0.0 | 25.6 | 2,587 |
| Second | 34.0 | 6.7 | 0.4 | 0.3 | 0.0 | 41.4 | 2,548 |
| Middle | 52.3 | 6.9 | 0.2 | 0.1 | 0.0 | 59.6 | 2,270 |
| Fourth | 65.2 | 9.5 | 0.5 | 0.0 | 0.2 | 75.4 | 2,113 |
| Richest | 76.0 | 7.9 | 0.7 | 0.4 | 0.0 | 85.0 | 2,028 |
| Ethnicity of household head | | | | | | | |
| Hausa | 35.9 | 7.6 | 0.5 | 0.1 | 0.1 | 44.2 | 6,543 |
| Igbo | 79.4 | 4.6 | 0.3 | 0.2 | 0.0 | 84.4 | 923 |
| Yoruba | 71.3 | 6.9 | 0.3 | 0.5 | 0.1 | 79.1 | 1,096 |
| Other ethnic group | 55.0 | 6.6 | 0.3 | 0.2 | 0.0 | 62.1 | 2,985 |

¹ MICS indicator 3.9 - Neonatal tetanus protection

Table CH.3: Neonatal tetanus protection (continued)

Percentage of women age 15-49 years with a live birth in the last 2 years protected against neonatal tetanus, Nigeria, 2016-17

| | Percentage of women who received at least 2 doses during last pregnancy | Percentage of women who did not receive two or more doses during last pregnancy but received: | | | | Protected against tetanus ¹ | Number of women with a live birth in the last 2 years |
|--------------|---|---|--|---|---------------------------------|--|---|
| | | 2 doses, the last within prior 3 years | 3 doses, the last within prior 5 years | 4 doses, the last within prior 10 years | 5 or more doses during lifetime | | |
| Total | 47.7 | 7.0 | 0.4 | 0.2 | 0.1 | 55.3 | 11,547 |
| State | | | | | | | |
| Abia | 89.4 | 1.8 | 0.0 | 1.2 | 0.0 | 92.4 | 99 |
| Adamawa | 53.4 | 11.1 | 0.0 | 0.5 | 0.0 | 65.0 | 264 |
| Akwa Ibom | 68.0 | 5.9 | 0.0 | 0.0 | 0.0 | 73.9 | 228 |
| Anambra | 78.2 | 4.1 | 0.0 | 0.0 | 0.0 | 82.3 | 140 |
| Bauchi | 33.9 | 11.2 | 0.6 | 0.9 | 0.0 | 46.6 | 618 |
| Bayelsa | 62.4 | 2.9 | 0.4 | 0.0 | 0.0 | 65.7 | 73 |
| Benue | 50.7 | 1.9 | 0.6 | 0.3 | 0.0 | 53.5 | 271 |
| Borno | 70.5 | 7.4 | 0.9 | 0.0 | 0.0 | 78.9 | 692 |
| Cross River | 71.5 | 1.2 | 0.0 | 0.0 | 0.0 | 72.8 | 162 |
| Delta | 58.5 | 9.9 | 0.0 | 0.0 | 0.0 | 68.4 | 173 |
| Ebonyi | 61.7 | 3.4 | 1.3 | 0.0 | 0.0 | 66.4 | 111 |
| Edo | 81.7 | 10.2 | 0.0 | 0.0 | 0.0 | 91.9 | 101 |
| Ekiti | 66.1 | 9.0 | 0.0 | 0.7 | 0.0 | 75.8 | 54 |
| Enugu | 79.3 | 6.8 | 0.0 | 0.3 | 0.0 | 86.4 | 105 |
| Gombe | 45.2 | 11.1 | 1.0 | 0.4 | 0.8 | 58.4 | 236 |
| Imo | 87.7 | 2.4 | 0.0 | 0.0 | 0.0 | 90.2 | 164 |
| Jigawa | 25.0 | 15.0 | 0.8 | 0.0 | 0.0 | 40.7 | 595 |
| Kaduna | 63.4 | 6.8 | 0.6 | 0.0 | 0.0 | 70.8 | 663 |
| Kano | 43.0 | 10.3 | 0.4 | 0.1 | 0.0 | 53.8 | 1,038 |
| Katsina | 30.9 | 4.7 | 0.0 | 0.0 | 0.0 | 35.6 | 916 |
| Kebbi | 16.8 | 7.7 | 0.5 | 0.0 | 0.0 | 25.1 | 398 |
| Kogi | 61.2 | 12.3 | 0.0 | 0.0 | 0.5 | 74.0 | 133 |
| Kwara | 50.4 | 9.1 | 0.0 | 0.0 | 0.0 | 59.5 | 115 |
| Lagos | 80.8 | 5.2 | 0.6 | 0.0 | 0.0 | 86.7 | 429 |
| Nasarawa | 49.7 | 6.0 | 0.0 | 0.0 | 0.0 | 55.6 | 244 |
| Niger | 26.6 | 6.1 | 0.0 | 0.0 | 0.0 | 32.7 | 527 |
| Ogun | 67.9 | 7.3 | 0.3 | 0.0 | 0.0 | 75.5 | 132 |
| Ondo | 69.1 | 10.9 | 0.0 | 0.0 | 0.0 | 80.0 | 163 |
| Osun | 78.9 | 3.1 | 1.6 | 0.0 | 0.0 | 83.6 | 161 |
| Oyo | 64.2 | 5.6 | 0.0 | 1.7 | 0.0 | 71.5 | 322 |
| Plateau | 44.3 | 5.1 | 0.4 | 0.5 | 0.9 | 51.2 | 392 |
| Rivers | 81.1 | 6.5 | 0.0 | 0.0 | 0.0 | 87.6 | 163 |
| Sokoto | 17.8 | 3.8 | 0.4 | 0.0 | 0.0 | 22.0 | 409 |
| Taraba | 30.7 | 9.1 | 0.0 | 0.0 | 0.0 | 39.8 | 173 |
| Yobe | 31.4 | 1.7 | 0.0 | 0.0 | 0.0 | 33.1 | 410 |
| Zamfara | 22.4 | 3.5 | 0.7 | 0.0 | 0.0 | 26.6 | 583 |
| FCT Abuja | 63.3 | 8.0 | 0.0 | 0.0 | 0.0 | 71.3 | 89 |

¹ MICS indicator 3.9 - Neonatal tetanus protection

Care of Illness

Table CH.4: Reported disease episodes

Percentage of children age 0-59 months for whom the mother/caretaker reported an episode of diarrhoea, symptoms of acute respiratory infection (ARI), and/or fever in the last two weeks, Nigeria, 2016-17

| | Percentage of children who in the last two weeks had: | | | Number of children age 0-59 months |
|------------------------------------|---|-----------------|---------------------|------------------------------------|
| | An episode of diarrhoea | Symptoms of ARI | An episode of fever | |
| Total | 14.3 | 3.0 | 25.4 | 28,085 |
| Geopolitical zones | | | | |
| North Central | 8.9 | 1.9 | 17.9 | 4,616 |
| North East | 18.4 | 4.8 | 29.9 | 6,041 |
| North West | 19.2 | 3.7 | 30.3 | 10,635 |
| South East | 5.6 | 1.1 | 21.0 | 1,550 |
| South South | 4.9 | 0.9 | 22.4 | 2,273 |
| South West | 8.3 | 0.9 | 14.9 | 2,968 |
| Sex | | | | |
| Male | 14.8 | 3.2 | 26.0 | 14,213 |
| Female | 13.7 | 2.7 | 24.8 | 13,872 |
| Residence | | | | |
| Urban | 12.6 | 3.0 | 21.7 | 8,553 |
| Rural | 15.0 | 2.9 | 27.0 | 19,532 |
| Age (months) | | | | |
| 0-11 | 15.0 | 2.8 | 20.5 | 5,363 |
| 12-23 | 18.8 | 3.3 | 27.5 | 5,535 |
| 24-35 | 15.6 | 3.2 | 28.0 | 5,514 |
| 36-47 | 12.6 | 3.0 | 25.9 | 5,818 |
| 48-59 | 9.7 | 2.6 | 24.7 | 5,856 |
| Mother's education | | | | |
| None | 15.0 | 3.0 | 25.5 | 8,134 |
| Non-formal | 21.5 | 3.5 | 34.0 | 6,196 |
| Primary | 11.9 | 3.4 | 23.5 | 4,330 |
| Secondary | 10.7 | 2.4 | 21.6 | 7,245 |
| Higher | 7.4 | 2.3 | 16.2 | 2,178 |
| Wealth index quintile | | | | |
| Poorest | 17.5 | 3.5 | 28.5 | 6,369 |
| Second | 16.2 | 3.2 | 28.2 | 6,018 |
| Middle | 15.0 | 3.2 | 26.6 | 5,549 |
| Fourth | 12.2 | 2.5 | 24.1 | 5,156 |
| Richest | 9.1 | 2.3 | 17.8 | 4,993 |
| Ethnicity of household head | | | | |
| Hausa | 18.8 | 3.9 | 30.1 | 15,592 |
| Igbo | 7.0 | 1.3 | 19.8 | 2,310 |
| Yoruba | 7.9 | 1.1 | 15.1 | 2,640 |
| Other ethnic group | 9.3 | 2.1 | 20.8 | 7,543 |

Table CH.4: Reported disease episodes (continued)

Percentage of children age 0-59 months for whom the mother/caretaker reported an episode of diarrhoea, symptoms of acute respiratory infection (ARI), and/or fever in the last two weeks, Nigeria, 2016-17

| | Percentage of children who in the last two weeks had: | | | Number of children age 0-59 months |
|--------------|---|-----------------|---------------------|------------------------------------|
| | An episode of diarrhoea | Symptoms of ARI | An episode of fever | |
| Total | 14.3 | 3.0 | 25.4 | 28,085 |
| State | | | | |
| Abia | 6.8 | 3.1 | 31.9 | 224 |
| Adamawa | 13.7 | 4.0 | 22.0 | 624 |
| Akwa Ibom | 5.3 | 0.4 | 28.0 | 600 |
| Anambra | 5.9 | 0.2 | 15.4 | 383 |
| Bauchi | 13.7 | 2.6 | 29.7 | 1,524 |
| Bayelsa | 5.2 | 2.1 | 18.0 | 177 |
| Benue | 4.7 | 0.1 | 7.7 | 697 |
| Borno | 20.6 | 4.6 | 29.7 | 1,851 |
| Cross River | 5.1 | 1.3 | 29.1 | 393 |
| Delta | 6.9 | 0.2 | 20.4 | 409 |
| Ebonyi | 4.4 | 0.8 | 13.0 | 271 |
| Edo | 2.9 | 0.8 | 9.3 | 281 |
| Ekiti | 9.2 | 0.9 | 13.6 | 125 |
| Enugu | 5.5 | 1.8 | 17.7 | 268 |
| Gombe | 23.7 | 2.8 | 31.3 | 534 |
| Imo | 5.7 | 0.8 | 27.6 | 405 |
| Jigawa | 18.1 | 2.8 | 31.3 | 1,399 |
| Kaduna | 16.5 | 7.8 | 23.8 | 1,607 |
| Kano | 20.7 | 2.4 | 35.4 | 2,325 |
| Katsina | 18.6 | 4.3 | 27.1 | 2,066 |
| Kebbi | 23.6 | 4.0 | 31.0 | 935 |
| Kogi | 13.2 | 3.1 | 23.7 | 372 |
| Kwara | 5.7 | 1.1 | 7.3 | 358 |
| Lagos | 6.5 | 0.8 | 9.9 | 1,054 |
| Nasarawa | 8.8 | 0.9 | 17.1 | 607 |
| Niger | 12.1 | 3.3 | 25.7 | 1,270 |
| Ogun | 9.6 | 0.4 | 15.7 | 295 |
| Ondo | 9.7 | 0.4 | 16.3 | 408 |
| Osun | 10.6 | 0.3 | 22.1 | 342 |
| Oyo | 8.2 | 1.6 | 17.7 | 745 |
| Plateau | 7.6 | 2.0 | 16.1 | 1,103 |
| Rivers | 3.4 | 1.3 | 20.7 | 412 |
| Sokoto | 15.6 | 1.8 | 25.4 | 975 |
| Taraba | 14.2 | 1.8 | 14.0 | 422 |
| Yobe | 22.6 | 10.6 | 40.4 | 1,085 |
| Zamfara | 21.7 | 2.1 | 36.0 | 1,328 |
| FCT Abuja | 8.9 | 1.9 | 23.3 | 209 |

Diarrhoea

Table CH.5: Care-seeking during diarrhea

Percentage of children age 0-59 months with diarrhoea in the last two weeks for whom advice or treatment was sought, by source of advice or treatment, Nigeria, 2016-17

| | Percentage of children with diarrhoea for whom: Advice or treatment was sought from: | | | | | | Number of children age 0-59 months with diarrhoea in the last two weeks |
|------------------------------------|---|-------------|---|-----------------|--|-------------------------------------|--|
| | Health facilities or providers | | | Other source | A health facility or provider ^{1, b} | No advice or treatment sought | |
| | Public | Private | Community health provider ^a | | | | |
| Total | 21.2 | 23.3 | 3.7 | 16.7 | 26.7 | 40.7 | 4,009 |
| Geopolitical zone | | | | | | | |
| North Central | 14.8 | 37.1 | 2.7 | 21.2 | 29.9 | 29.2 | 411 |
| North East | 20.1 | 31.6 | 5.9 | 8.6 | 23.9 | 41.6 | 1,109 |
| North West | 23.8 | 15.3 | 3.2 | 20.3 | 27.5 | 42.4 | 2,045 |
| South East | 15.4 | 25.7 | 2.8 | 18.1 | 22.4 | 45.0 | 88 |
| South South | 17.0 | 32.8 | 0.2 | 18.5 | 26.8 | 32.8 | 112 |
| South West | 19.6 | 23.8 | 2.6 | 14.8 | 29.0 | 43.5 | 245 |
| Sex | | | | | | | |
| Male | 21.0 | 24.9 | 4.6 | 16.6 | 27.3 | 39.2 | 2,108 |
| Female | 21.4 | 21.5 | 2.8 | 16.9 | 26.1 | 42.3 | 1,901 |
| Residence | | | | | | | |
| Urban | 23.5 | 25.7 | 4.3 | 15.1 | 29.2 | 37.3 | 1,073 |
| Rural | 20.4 | 22.4 | 3.5 | 17.3 | 25.8 | 41.9 | 2,936 |
| Age (months) | | | | | | | |
| 0-11 | 21.0 | 19.0 | 2.5 | 17.3 | 25.8 | 43.9 | 806 |
| 12-23 | 20.6 | 23.5 | 3.2 | 16.5 | 25.8 | 41.1 | 1,041 |
| 24-35 | 23.0 | 24.1 | 4.2 | 16.0 | 28.5 | 38.2 | 860 |
| 36-47 | 19.1 | 26.5 | 3.9 | 17.7 | 25.8 | 39.4 | 735 |
| 48-59 | 22.9 | 23.6 | 5.6 | 16.0 | 28.3 | 40.8 | 567 |
| Mother's education | | | | | | | |
| None | 16.7 | 20.4 | 3.2 | 18.3 | 20.5 | 47.1 | 1,218 |
| Non-formal | 22.0 | 22.2 | 5.8 | 15.0 | 26.8 | 41.3 | 1,335 |
| Primary | 19.2 | 24.4 | 1.9 | 21.1 | 26.3 | 36.9 | 516 |
| Secondary | 26.6 | 27.4 | 2.6 | 15.3 | 33.5 | 33.9 | 777 |
| Higher | 29.3 | 30.5 | 2.4 | 11.7 | 41.4 | 31.9 | 162 |
| Wealth index quintile | | | | | | | |
| Poorest | 18.7 | 14.7 | 3.6 | 16.8 | 24.0 | 51.0 | 1,116 |
| Second | 19.7 | 18.3 | 3.6 | 19.2 | 23.5 | 44.2 | 975 |
| Middle | 22.2 | 30.3 | 3.8 | 17.3 | 28.4 | 32.5 | 833 |
| Fourth | 24.7 | 32.5 | 4.6 | 14.9 | 29.8 | 30.8 | 631 |
| Richest | 24.3 | 29.5 | 3.1 | 12.6 | 33.0 | 36.3 | 453 |
| Ethnicity of household head | | | | | | | |
| Hausa | 21.7 | 21.3 | 4.3 | 17.0 | 25.8 | 41.6 | 2,935 |
| Igbo | 19.8 | 29.4 | 1.9 | 12.3 | 29.9 | 41.1 | 162 |
| Yoruba | 19.5 | 19.2 | 2.6 | 18.4 | 27.9 | 44.9 | 210 |
| Other ethnic group | 20.1 | 31.6 | 2.4 | 16.0 | 29.7 | 35.3 | 702 |

¹ MICS indicator 3.10 - Care-seeking for diarrhea

^a Community health providers includes both public (Community health worker and Mobile/Outreach clinic) and private (Mobile clinic) health facilities

^b Includes all public and private health facilities and providers, but excludes private pharmacy

Table CH.6: Feeding practices during diarrhea

Percent distribution of children age 0-59 months with diarrhoea in the last two weeks by amount of liquids and food given during episode of diarrhoea, Nigeria, 2016-17

| | Drinking practices during diarrhoea | | | | | | | Eating practices during diarrhoea | | | | | | Total number of children age 0-59 months with diarrhoea in the last two weeks | |
|------------------------------------|-------------------------------------|---------------|----------------|------------|------------|---------------------|--------------|-----------------------------------|---------------|----------------|------------|------------|---------------------|---|--------------|
| | Child was given to drink: | | | | | | | Child was given to eat: | | | | | | | |
| | Much less | Somewhat less | About the same | More | Nothing | Missing/ Don't know | Total | Much less | Somewhat less | About the same | More | Nothing | Missing/ Don't know | Total | |
| Total | 22.0 | 36.4 | 30.4 | 9.1 | 1.8 | 0.4 | 100.0 | 22.5 | 38.9 | 31.6 | 3.7 | 3.1 | 0.2 | 100.0 | 4,009 |
| Geopolitical zone | | | | | | | | | | | | | | | |
| North Central | 20.7 | 37.5 | 30.5 | 8.2 | 1.7 | 1.4 | 100.0 | 21.6 | 36.9 | 34.8 | 3.4 | 2.5 | 0.7 | 100.0 | 411 |
| North East | 25.5 | 37.4 | 29.4 | 6.9 | 0.7 | 0.1 | 100.0 | 29.1 | 39.1 | 28.6 | 1.7 | 1.4 | 0.2 | 100.0 | 1,109 |
| North West | 20.8 | 37.2 | 29.9 | 9.7 | 2.0 | 0.3 | 100.0 | 19.1 | 40.6 | 31.7 | 4.4 | 4.1 | 0.0 | 100.0 | 2,045 |
| South East | 29.7 | 40.3 | 22.5 | 4.9 | 2.5 | 0.0 | 100.0 | 25.3 | 38.7 | 31.9 | 3.1 | 0.4 | 0.5 | 100.0 | 88 |
| South South | 25.8 | 23.7 | 23.9 | 19.2 | 6.3 | 1.1 | 100.0 | 30.9 | 25.9 | 29.8 | 9.1 | 4.3 | 0.0 | 100.0 | 112 |
| South West | 13.0 | 28.7 | 44.6 | 11.3 | 2.4 | 0.0 | 100.0 | 18.1 | 32.9 | 39.5 | 4.4 | 4.6 | 0.4 | 100.0 | 245 |
| Sex | | | | | | | | | | | | | | | |
| Male | 22.0 | 35.8 | 31.1 | 8.9 | 1.8 | 0.5 | 100.0 | 22.6 | 38.6 | 32.0 | 3.8 | 2.6 | 0.3 | 100.0 | 2,108 |
| Female | 21.9 | 37.2 | 29.6 | 9.3 | 1.8 | 0.2 | 100.0 | 22.4 | 39.2 | 31.1 | 3.5 | 3.7 | 0.1 | 100.0 | 1,901 |
| Residence | | | | | | | | | | | | | | | |
| Urban | 21.7 | 34.0 | 31.7 | 10.5 | 1.5 | 0.6 | 100.0 | 24.3 | 36.7 | 31.6 | 4.4 | 2.8 | 0.2 | 100.0 | 1,073 |
| Rural | 22.1 | 37.3 | 29.9 | 8.5 | 1.9 | 0.3 | 100.0 | 21.9 | 39.7 | 31.6 | 3.4 | 3.2 | 0.2 | 100.0 | 2,936 |
| Age (months) | | | | | | | | | | | | | | | |
| 0-11 | 21.6 | 38.1 | 31.8 | 6.0 | 2.1 | 0.4 | 100.0 | 20.6 | 37.5 | 32.5 | 2.5 | 6.4 | 0.5 | 100.0 | 806 |
| 12-23 | 24.2 | 34.5 | 29.3 | 10.0 | 1.8 | 0.1 | 100.0 | 26.5 | 37.1 | 30.2 | 3.5 | 2.6 | 0.1 | 100.0 | 1,041 |
| 24-35 | 21.4 | 36.3 | 33.0 | 8.0 | 0.9 | 0.5 | 100.0 | 19.8 | 42.1 | 32.6 | 3.9 | 1.4 | 0.1 | 100.0 | 860 |
| 36-47 | 21.3 | 37.1 | 28.4 | 11.3 | 1.8 | 0.1 | 100.0 | 22.2 | 39.2 | 31.7 | 4.1 | 2.7 | 0.0 | 100.0 | 735 |
| 48-59 | 20.2 | 36.9 | 28.9 | 10.3 | 2.7 | 1.0 | 100.0 | 22.5 | 39.0 | 31.1 | 4.7 | 2.6 | 0.2 | 100.0 | 567 |
| Mother's education | | | | | | | | | | | | | | | |
| None | 20.3 | 38.8 | 30.2 | 8.6 | 1.9 | 0.3 | 100.0 | 22.3 | 37.9 | 33.5 | 3.3 | 2.7 | 0.3 | 100.0 | 1,218 |
| Non-formal | 20.1 | 41.8 | 27.2 | 9.2 | 1.6 | 0.2 | 100.0 | 20.3 | 46.1 | 27.3 | 2.5 | 3.8 | 0.0 | 100.0 | 1,335 |
| Primary | 21.3 | 28.7 | 37.9 | 10.4 | 1.6 | 0.0 | 100.0 | 19.9 | 31.5 | 39.4 | 5.2 | 3.7 | 0.2 | 100.0 | 516 |
| Secondary | 27.7 | 30.4 | 29.9 | 9.6 | 1.9 | 0.6 | 100.0 | 28.8 | 33.7 | 29.6 | 5.1 | 2.4 | 0.3 | 100.0 | 777 |
| Higher | 25.4 | 28.3 | 36.0 | 4.6 | 2.9 | 2.8 | 100.0 | 20.8 | 35.5 | 37.3 | 3.5 | 2.9 | 0.0 | 100.0 | 162 |
| Wealth index quintile | | | | | | | | | | | | | | | |
| Poorest | 18.2 | 42.3 | 29.1 | 7.4 | 2.3 | 0.6 | 100.0 | 18.0 | 42.6 | 32.1 | 2.9 | 4.1 | 0.4 | 100.0 | 1,116 |
| Second | 19.1 | 38.8 | 32.3 | 8.4 | 1.5 | 0.0 | 100.0 | 18.6 | 42.3 | 32.9 | 3.2 | 2.9 | 0.1 | 100.0 | 975 |
| Middle | 23.9 | 35.7 | 26.9 | 12.1 | 1.3 | 0.1 | 100.0 | 25.7 | 37.9 | 29.7 | 4.7 | 1.8 | 0.3 | 100.0 | 833 |
| Fourth | 27.1 | 29.9 | 32.4 | 8.8 | 1.6 | 0.3 | 100.0 | 28.9 | 32.8 | 30.6 | 4.4 | 3.2 | 0.1 | 100.0 | 631 |
| Richest | 26.7 | 27.4 | 33.3 | 9.3 | 2.2 | 1.1 | 100.0 | 27.3 | 33.0 | 32.6 | 3.6 | 3.5 | 0.0 | 100.0 | 453 |
| Ethnicity of household head | | | | | | | | | | | | | | | |
| Hausa | 21.1 | 38.0 | 30.4 | 8.5 | 1.6 | 0.3 | 100.0 | 21.7 | 39.9 | 31.6 | 3.4 | 3.3 | 0.1 | 100.0 | 2,935 |
| Igbo | 27.7 | 36.5 | 23.3 | 9.5 | 2.5 | 0.4 | 100.0 | 26.8 | 36.2 | 31.8 | 4.2 | 0.7 | 0.3 | 100.0 | 162 |
| Yoruba | 12.5 | 29.1 | 45.9 | 9.5 | 2.8 | 0.3 | 100.0 | 19.7 | 33.5 | 37.7 | 4.2 | 4.5 | 0.4 | 100.0 | 210 |
| Other ethnic group | 27.2 | 32.1 | 27.1 | 11.0 | 2.0 | 0.7 | 100.0 | 25.8 | 37.1 | 29.9 | 4.3 | 2.5 | 0.4 | 100.0 | 702 |

Table CH.7: Oral rehydration solutions, recommended homemade fluids, and zinc

Percentage of children age 0-59 months with diarrhoea in the last two weeks, and treatment with oral rehydration salts (ORS), recommended homemade fluids, and zinc, Nigeria, 2016-17

| | Percentage of children with diarrhoea who received: | | | | | | | | | | | ORS and zinc ¹ Number of children age 0-59 months with diarrhoea in the last two weeks | |
|------------------------------------|---|---------------------------|---------|-----------------------------|------------------|------------|--|--|--------|-------|----------|---|-------|
| | Oral rehydration salts (ORS) | | | Recommended homemade fluids | | | | ORS or any recommended homemade fluid | Zinc | | | | |
| | Fluid from packet | Pre- packaged fluid | Any ORS | Salt sugar solution | Coconut water | Rice water | Any recommende d homemade fluid | | Tablet | Syrup | Any zinc | | |
| Total | 32.5 | 28.4 | 36.8 | 14.4 | 1.5 | 1.5 | 16.0 | 43.1 | 23.8 | 22.5 | 33.2 | 18.5 | 4,009 |
| Geopolitical zone | | | | | | | | | | | | | |
| North Central | 33.6 | 27.8 | 36.8 | 23.1 | 2.9 | 1.5 | 25.6 | 46.7 | 18.8 | 20.9 | 29.4 | 15.6 | 411 |
| North East | 30.8 | 29.0 | 35.2 | 14.5 | 0.9 | 1.6 | 15.9 | 41.9 | 20.4 | 21.1 | 28.3 | 12.2 | 1,109 |
| North West | 33.7 | 28.0 | 37.4 | 12.1 | 1.4 | 1.6 | 13.3 | 42.2 | 27.0 | 24.0 | 36.7 | 22.6 | 2,045 |
| South East | 23.5 | 23.9 | 30.2 | 14.7 | 2.6 | 1.1 | 17.9 | 39.0 | 21.4 | 24.0 | 34.3 | 16.9 | 88 |
| South South | 26.9 | 25.4 | 32.1 | 23.3 | 5.9 | 2.0 | 29.7 | 46.7 | 23.4 | 18.9 | 32.2 | 13.7 | 112 |
| South West | 34.1 | 33.3 | 44.2 | 15.3 | 0.0 | 0.6 | 15.9 | 49.2 | 22.2 | 20.2 | 31.7 | 20.0 | 245 |
| Sex | | | | | | | | | | | | | |
| Male | 33.4 | 29.4 | 37.9 | 13.9 | 1.5 | 1.6 | 15.5 | 43.5 | 24.4 | 24.6 | 34.7 | 19.3 | 2,108 |
| Female | 31.5 | 27.3 | 35.6 | 15.0 | 1.5 | 1.4 | 16.5 | 42.6 | 23.2 | 20.2 | 31.5 | 17.5 | 1,901 |
| Residence | | | | | | | | | | | | | |
| Urban | 46.2 | 41.1 | 50.8 | 16.1 | 1.3 | 0.8 | 17.1 | 54.8 | 26.6 | 24.6 | 35.6 | 25.2 | 1,073 |
| Rural | 27.5 | 23.8 | 31.7 | 13.9 | 1.6 | 1.8 | 15.6 | 38.8 | 22.8 | 21.8 | 32.3 | 16.0 | 2,936 |
| Age (months) | | | | | | | | | | | | | |
| 0-11 | 31.1 | 27.8 | 35.3 | 11.3 | 1.4 | 1.4 | 12.7 | 39.5 | 18.6 | 23.5 | 30.1 | 17.2 | 806 |
| 12-23 | 35.6 | 27.7 | 38.9 | 14.1 | 1.8 | 2.2 | 15.4 | 43.5 | 23.5 | 26.2 | 35.8 | 21.1 | 1,041 |
| 24-35 | 31.9 | 29.4 | 37.1 | 14.6 | 1.6 | 1.4 | 16.4 | 45.5 | 23.9 | 22.0 | 33.0 | 16.1 | 860 |
| 36-47 | 32.9 | 27.1 | 36.6 | 15.2 | 0.8 | 0.6 | 16.0 | 41.9 | 26.4 | 18.4 | 33.3 | 19.4 | 735 |
| 48-59 | 29.2 | 30.9 | 35.0 | 18.5 | 1.7 | 1.9 | 20.9 | 45.0 | 28.1 | 20.5 | 32.7 | 18.0 | 567 |
| Mother's education | | | | | | | | | | | | | |
| None | 23.1 | 19.1 | 26.1 | 14.2 | 1.2 | 1.6 | 15.2 | 32.7 | 17.0 | 16.4 | 25.9 | 11.2 | 1,218 |
| Non-formal | 33.9 | 30.7 | 39.4 | 12.5 | 1.1 | 1.7 | 13.8 | 45.1 | 24.8 | 23.4 | 33.8 | 19.6 | 1,335 |
| Primary | 35.8 | 27.4 | 39.0 | 14.4 | 1.9 | 1.3 | 17.0 | 46.0 | 26.4 | 24.8 | 36.4 | 21.8 | 516 |
| Secondary | 38.4 | 35.5 | 43.4 | 17.9 | 2.3 | 1.1 | 19.9 | 49.9 | 28.0 | 28.7 | 38.8 | 22.4 | 777 |
| Higher | 52.6 | 49.4 | 58.2 | 16.1 | 1.7 | 2.2 | 17.4 | 61.6 | 38.2 | 24.4 | 45.6 | 34.8 | 162 |
| Wealth index quintile | | | | | | | | | | | | | |
| Poorest | 21.3 | 16.8 | 25.5 | 12.1 | 1.0 | 1.8 | 13.4 | 32.6 | 17.8 | 16.7 | 26.2 | 11.5 | 1,116 |
| Second | 26.2 | 21.1 | 29.2 | 12.8 | 1.1 | 1.0 | 14.4 | 35.1 | 20.5 | 19.1 | 29.6 | 15.8 | 975 |
| Middle | 39.8 | 38.0 | 44.9 | 14.6 | 2.5 | 1.7 | 16.7 | 52.1 | 27.8 | 27.8 | 37.2 | 22.4 | 833 |
| Fourth | 44.5 | 39.2 | 48.8 | 18.9 | 1.8 | 1.8 | 20.0 | 54.8 | 29.3 | 29.2 | 41.6 | 23.1 | 631 |
| Richest | 43.2 | 40.3 | 49.2 | 17.3 | 1.4 | 1.3 | 18.6 | 53.0 | 30.6 | 25.0 | 38.9 | 28.0 | 453 |
| Ethnicity of household head | | | | | | | | | | | | | |
| Hausa | 33.4 | 28.8 | 37.4 | 13.8 | 1.1 | 1.6 | 14.9 | 43.3 | 24.9 | 23.0 | 33.7 | 19.4 | 2,935 |
| Igbo | 33.8 | 32.5 | 39.9 | 15.1 | 1.4 | 1.5 | 17.7 | 48.1 | 23.9 | 26.1 | 38.7 | 24.3 | 162 |
| Yoruba | 34.7 | 32.7 | 44.3 | 17.9 | 0.0 | 0.0 | 17.9 | 49.1 | 19.3 | 19.0 | 27.8 | 15.5 | 210 |
| Other ethnic group | 27.9 | 24.8 | 31.3 | 16.2 | 3.5 | 1.6 | 19.5 | 38.9 | 20.4 | 20.5 | 31.4 | 14.0 | 702 |

¹ MICS indicator 3.11 - Diarrhoea treatment with oral rehydration salts (ORS) and zinc

Table CH.8: Oral rehydration therapy with continued feeding and other treatments

Percentage of children age 0-59 months with diarrhoea in the last two weeks who were given oral rehydration therapy with continued feeding and percentage who were given other treatments, Nigeria, 2016-17

| | Children with diarrhoea who were given: | | | | | | | | | | | | | | | Number of children age 0-59 months with diarrhoea in the last two weeks |
|------------------------------------|---|-------------------------|--|---|------------------|---------------|------------|------------|-------------|----------------|------------|--------------|------------------------------|------------|---------------------------------|---|
| | Zinc | ORS or increased fluids | ORT (ORS or recommended homemade fluids or increased fluids) | ORT with continued feeding ¹ | Other treatments | | | | | | | | | | Not given any treatment or drug | |
| | | | | | Pill or syrup | | | | Injection | | | | | | | |
| | | | | | Anti-biotic | Anti-motility | Other | Unknown | Anti-biotic | Non-antibiotic | Unknown | Intra-venous | Home remedy, herbal medicine | Other | | |
| Total | 33.2 | 42.1 | 47.9 | 33.4 | 4.3 | 1.0 | 3.5 | 5.3 | 8.5 | 0.5 | 1.3 | 0.1 | 0.0 | 6.5 | 25.9 | 4,009 |
| Geopolitical zone | | | | | | | | | | | | | | | | |
| North Central | 29.4 | 41.6 | 51.4 | 37.7 | 3.1 | 0.6 | 8.0 | 9.0 | 7.8 | 1.4 | 3.2 | 0.5 | 0.0 | 12.3 | 18.5 | 411 |
| North East | 28.3 | 38.1 | 44.8 | 27.9 | 5.8 | 1.9 | 2.0 | 4.6 | 12.4 | 0.1 | 0.7 | 0.0 | 0.0 | 5.8 | 23.4 | 1,109 |
| North West | 36.7 | 43.8 | 48.1 | 34.8 | 2.4 | 0.5 | 2.9 | 5.2 | 6.6 | 0.6 | 1.5 | 0.0 | 0.0 | 5.0 | 29.8 | 2,045 |
| South East | 34.3 | 33.8 | 41.3 | 31.8 | 4.7 | 4.9 | 5.9 | 7.9 | 11.8 | 1.8 | 0.5 | 0.0 | 0.0 | 7.3 | 20.7 | 88 |
| South South | 32.2 | 40.7 | 51.8 | 31.4 | 6.3 | 0.0 | 5.1 | 7.7 | 4.4 | 0.0 | 2.8 | 1.1 | 0.0 | 14.3 | 20.5 | 112 |
| South West | 31.7 | 50.8 | 54.9 | 40.3 | 13.3 | 0.4 | 6.3 | 1.5 | 8.0 | 0.4 | 0.0 | 0.0 | 0.0 | 8.5 | 21.2 | 245 |
| Sex | | | | | | | | | | | | | | | | |
| Male | 34.7 | 42.9 | 48.3 | 34.4 | 4.1 | 0.9 | 3.4 | 5.2 | 8.6 | 0.8 | 1.1 | 0.1 | 0.0 | 6.4 | 25.9 | 2,108 |
| Female | 31.5 | 41.3 | 47.5 | 32.3 | 4.5 | 1.0 | 3.7 | 5.4 | 8.3 | 0.3 | 1.6 | 0.1 | 0.0 | 6.6 | 26.0 | 1,901 |
| Residence | | | | | | | | | | | | | | | | |
| Urban | 35.6 | 56.2 | 60.0 | 41.5 | 4.0 | 0.7 | 4.0 | 3.6 | 10.7 | 0.4 | 0.8 | 0.1 | 0.0 | 8.8 | 18.3 | 1,073 |
| Rural | 32.3 | 37.0 | 43.5 | 30.4 | 4.3 | 1.0 | 3.3 | 5.9 | 7.7 | 0.6 | 1.6 | 0.1 | 0.0 | 5.6 | 28.7 | 2,936 |
| Age (months) | | | | | | | | | | | | | | | | |
| 0-11 | 30.1 | 39.5 | 43.6 | 30.3 | 2.9 | 0.5 | 4.2 | 5.1 | 6.4 | 1.0 | 1.3 | 0.0 | 0.0 | 6.9 | 33.5 | 806 |
| 12-23 | 35.8 | 43.9 | 48.4 | 31.6 | 4.2 | 0.4 | 3.7 | 4.9 | 10.3 | 0.4 | 0.7 | 0.3 | 0.0 | 6.7 | 25.2 | 1,041 |
| 24-35 | 33.0 | 41.6 | 49.1 | 36.2 | 4.1 | 1.3 | 3.4 | 5.4 | 7.7 | 0.2 | 1.7 | 0.1 | 0.0 | 6.7 | 23.5 | 860 |
| 36-47 | 33.3 | 43.8 | 48.8 | 34.4 | 6.2 | 1.6 | 3.5 | 6.3 | 9.5 | 0.6 | 1.4 | 0.0 | 0.0 | 5.3 | 22.0 | 735 |
| 48-59 | 32.7 | 41.3 | 50.2 | 35.6 | 4.1 | 1.2 | 2.2 | 4.7 | 7.9 | 0.5 | 2.0 | 0.0 | 0.0 | 6.9 | 25.2 | 567 |
| Mother's education | | | | | | | | | | | | | | | | |
| None | 25.9 | 31.8 | 38.0 | 25.3 | 3.4 | 0.5 | 2.8 | 6.8 | 9.8 | 0.6 | 2.2 | 0.2 | 0.0 | 6.7 | 32.7 | 1,218 |
| Non-formal | 33.8 | 45.2 | 50.5 | 36.6 | 2.4 | 1.0 | 2.0 | 5.4 | 7.7 | 0.6 | 1.1 | 0.0 | 0.0 | 4.6 | 26.2 | 1,335 |
| Primary | 36.4 | 44.3 | 51.1 | 36.4 | 4.6 | 1.5 | 4.9 | 4.4 | 9.5 | 0.2 | 1.3 | 0.0 | 0.0 | 6.5 | 24.4 | 516 |
| Secondary | 38.8 | 47.8 | 53.5 | 35.3 | 7.5 | 1.2 | 6.3 | 3.7 | 7.3 | 0.6 | 0.4 | 0.2 | 0.0 | 9.2 | 18.2 | 777 |
| Higher | 45.6 | 60.5 | 64.0 | 48.6 | 10.1 | 0.7 | 3.8 | 3.3 | 7.1 | 0.0 | 1.3 | 0.0 | 0.0 | 7.0 | 14.1 | 162 |
| Wealth index quintile | | | | | | | | | | | | | | | | |
| Poorest | 26.2 | 30.9 | 37.6 | 26.8 | 3.3 | 0.7 | 3.1 | 6.4 | 6.6 | 0.7 | 1.5 | 0.0 | 0.0 | 5.6 | 34.8 | 1,116 |
| Second | 29.6 | 34.9 | 40.0 | 29.9 | 4.4 | 1.1 | 2.5 | 7.1 | 8.9 | 0.2 | 1.7 | 0.2 | 0.0 | 5.5 | 32.6 | 975 |
| Middle | 37.2 | 51.8 | 58.5 | 41.5 | 3.4 | 1.2 | 4.0 | 4.4 | 10.0 | 0.7 | 1.4 | 0.1 | 0.0 | 5.8 | 17.4 | 833 |
| Fourth | 41.6 | 52.1 | 57.6 | 36.2 | 5.8 | 1.0 | 3.1 | 3.1 | 7.9 | 0.6 | 0.6 | 0.0 | 0.0 | 8.4 | 16.8 | 631 |
| Richest | 38.9 | 53.5 | 57.3 | 38.2 | 5.8 | 0.6 | 6.3 | 3.3 | 10.1 | 0.5 | 1.1 | 0.3 | 0.0 | 9.4 | 17.9 | 453 |
| Ethnicity of household head | | | | | | | | | | | | | | | | |
| Hausa | 33.7 | 42.5 | 48.1 | 33.6 | 2.8 | 0.4 | 2.4 | 5.2 | 8.4 | 0.6 | 1.5 | 0.0 | 0.0 | 5.8 | 27.5 | 2,935 |
| Igbo | 38.7 | 44.1 | 51.6 | 38.8 | 7.9 | 2.6 | 5.3 | 7.0 | 8.6 | 0.6 | 1.6 | 0.0 | 0.0 | 11.6 | 13.6 | 162 |
| Yoruba | 27.8 | 49.4 | 53.2 | 36.8 | 10.7 | 0.0 | 6.1 | 0.6 | 10.7 | 0.0 | 0.2 | 0.5 | 0.0 | 5.4 | 24.2 | 210 |
| Other ethnic group | 31.4 | 38.0 | 44.6 | 30.2 | 7.7 | 3.3 | 6.8 | 6.7 | 7.9 | 0.5 | 0.9 | 0.2 | 0.0 | 8.5 | 22.7 | 702 |

¹ MICS indicator 3.12 - Diarrhoea treatment with oral rehydration therapy (ORT) and continued feeding

Table CH.9: Source of ORS and zinc

Percentage of children age 0-59 months with diarrhoea in the last two weeks who were given ORS, and percentage given zinc, by the source of ORS and zinc, Nigeria, 2016-17

| | Percentage of children who were given as treatment for diarrhoea: | | Number of children age 0-59 months with diarrhoea in the last two weeks | Percentage of children for whom the source of ORS was: | | | | | Number of children age 0-59 months who were given ORS as treatment for diarrhoea in the last two weeks | Percentage of children for whom the source of zinc was: | | | | Number of children age 0-59 months who were given zinc as treatment for diarrhoea in the last two weeks | |
|--------------------------|---|-------------|---|--|-------------|--|--|--------------------------------|--|---|--|------------|--|---|--------------|
| | ORS | zinc | | Health facilities or providers | | | A health facility or provider ^b | Health facilities or providers | | | A health facility or provider ^b | | | | |
| | | | | Public | Private | Community health provider ^a | | Other source | | Public | | Private | Community health provider ^a | | Other source |
| Total | 36.8 | 33.2 | 4,009 | 34.4 | 42.9 | 7.7 | 22.7 | 77.3 | 1,476 | 35.6 | 42.1 | 7.4 | 22.2 | 77.7 | 1,330 |
| Geopolitical zone | | | | | | | | | | | | | | | |
| North Central | 36.8 | 29.4 | 411 | 19.0 | 57.9 | 2.4 | 23.0 | 77.0 | 151 | 24.9 | 57.9 | 1.7 | 16.5 | 82.8 | 121 |
| North East | 35.2 | 28.3 | 1,109 | 29.7 | 56.5 | 10.7 | 13.8 | 86.2 | 390 | 31.3 | 65.0 | 8.0 | 3.8 | 96.2 | 314 |
| North West | 37.4 | 36.7 | 2,045 | 42.0 | 31.2 | 8.8 | 26.8 | 73.2 | 764 | 40.9 | 29.3 | 9.2 | 29.8 | 70.2 | 751 |
| South East | 30.2 | 34.3 | 88 | (33.4) | (42.3) | (4.6) | (24.3) | (75.7) | 26 | (31.1) | (58.1) | (2.1) | (10.8) | (89.2) | 30 |
| South South | 32.1 | 32.2 | 112 | 25.8 | 51.4 | 0.0 | 22.8 | 77.2 | 36 | (24.6) | (46.1) | (1.3) | (29.3) | (70.7) | 36 |
| South West | 44.2 | 31.7 | 245 | 21.6 | 53.5 | 0.8 | 24.9 | 75.1 | 108 | 25.2 | 41.1 | 0.5 | 33.7 | 66.3 | 78 |
| Sex | | | | | | | | | | | | | | | |
| Male | 37.9 | 34.7 | 2,108 | 34.5 | 42.2 | 10.0 | 23.4 | 76.6 | 799 | 33.8 | 44.4 | 8.6 | 21.7 | 78.2 | 732 |
| Female | 35.6 | 31.5 | 1,901 | 34.2 | 43.9 | 5.0 | 21.9 | 78.1 | 677 | 37.7 | 39.4 | 5.8 | 22.9 | 77.1 | 598 |
| Residence | | | | | | | | | | | | | | | |
| Urban | 50.8 | 35.6 | 1,073 | 31.9 | 47.6 | 7.0 | 20.5 | 79.5 | 545 | 40.6 | 42.3 | 7.9 | 17.0 | 83.0 | 382 |
| Rural | 31.7 | 32.3 | 2,936 | 35.8 | 40.2 | 8.2 | 24.0 | 76.0 | 931 | 33.5 | 42.0 | 7.2 | 24.3 | 75.6 | 947 |
| Age (months) | | | | | | | | | | | | | | | |
| 0-11 | 35.3 | 30.1 | 806 | 29.3 | 42.9 | 4.6 | 27.8 | 72.2 | 285 | 36.0 | 38.6 | 5.4 | 25.3 | 74.7 | 243 |
| 12-23 | 38.9 | 35.8 | 1,041 | 31.3 | 47.0 | 6.5 | 21.7 | 78.3 | 404 | 35.1 | 43.5 | 7.9 | 21.4 | 78.6 | 373 |
| 24-35 | 37.1 | 33.0 | 860 | 39.3 | 44.8 | 9.1 | 16.0 | 84.0 | 319 | 34.8 | 44.1 | 8.0 | 20.8 | 78.9 | 284 |
| 36-47 | 36.6 | 33.3 | 735 | 31.0 | 40.1 | 8.3 | 28.9 | 71.1 | 269 | 29.5 | 47.3 | 7.7 | 23.2 | 76.8 | 245 |
| 48-59 | 35.0 | 32.7 | 567 | 44.4 | 35.7 | 11.9 | 19.9 | 80.1 | 198 | 45.2 | 34.0 | 7.5 | 20.8 | 79.2 | 185 |

() Sample data are based on 25-49 unweighted cases

Table CH.9: Source of ORS and zinc continued

Percentage of children age 0-59 months with diarrhoea in the last two weeks who were given ORS, and percentage given zinc, by the source of ORS and zinc, Nigeria, 2016-17

| | Percentage of children who were given as treatment for diarrhoea: | | Number of children age 0-59 months with diarrhoea in the last two weeks | Percentage of children for whom the source of ORS was: | | | | | Number of children age 0-59 months who were given ORS as treatment for diarrhoea in the last two weeks | Percentage of children for whom the source of zinc was: | | | | | Number of children age 0-59 months who were given zinc as treatment for diarrhoea in the last two weeks |
|------------------------------------|---|------|---|--|---------|--|--------------|--|--|---|---------|--|--------------|--|---|
| | ORS | zinc | | Health facilities or providers | | | | | | Health facilities or providers | | | | | |
| | | | | Public | Private | Community health provider ^a | Other source | A health facility or provider ^b | | Public | Private | Community health provider ^a | Other source | A health facility or provider ^b | |
| Mother's education | | | | | | | | | | | | | | | |
| None | 26.1 | 25.9 | 1,218 | 29.5 | 44.9 | 5.4 | 25.6 | 74.4 | 317 | 27.8 | 44.4 | 6.8 | 27.5 | 72.2 | 315 |
| Non-formal | 39.4 | 33.8 | 1,335 | 36.1 | 43.1 | 14.1 | 20.8 | 79.2 | 526 | 39.3 | 40.7 | 11.2 | 20.0 | 80.0 | 452 |
| Primary | 39.0 | 36.4 | 516 | 30.6 | 39.0 | 4.8 | 30.4 | 69.6 | 201 | 29.0 | 45.1 | 4.8 | 25.9 | 74.1 | 188 |
| Secondary | 43.4 | 38.8 | 777 | 39.1 | 40.9 | 3.8 | 20.0 | 80.0 | 337 | 40.2 | 39.7 | 4.8 | 20.2 | 79.8 | 301 |
| Higher | 58.2 | 45.6 | 162 | 31.9 | 51.2 | 0.2 | 16.8 | 83.2 | 94 | 44.3 | 42.9 | 3.8 | 12.8 | 87.2 | 74 |
| Wealth index quintile | | | | | | | | | | | | | | | |
| Poorest | 25.5 | 26.2 | 1,116 | 35.7 | 33.3 | 8.1 | 30.9 | 69.1 | 285 | 34.1 | 32.8 | 7.9 | 33.1 | 66.9 | 292 |
| Second | 29.2 | 29.6 | 975 | 40.9 | 33.9 | 7.5 | 25.2 | 74.8 | 285 | 33.5 | 42.6 | 7.2 | 23.6 | 76.1 | 289 |
| Middle | 44.9 | 37.2 | 833 | 31.1 | 48.8 | 8.1 | 20.1 | 79.9 | 374 | 38.9 | 43.1 | 7.4 | 18.1 | 81.9 | 310 |
| Fourth | 48.8 | 41.6 | 631 | 35.6 | 45.3 | 10.5 | 19.2 | 80.8 | 308 | 35.3 | 47.1 | 7.7 | 17.6 | 82.4 | 263 |
| Richest | 49.2 | 38.9 | 453 | 28.0 | 53.8 | 3.3 | 18.2 | 81.8 | 223 | 36.0 | 47.8 | 6.3 | 16.2 | 83.8 | 176 |
| Ethnicity of household head | | | | | | | | | | | | | | | |
| Hausa | 37.4 | 33.7 | 2,935 | 36.3 | 39.6 | 9.6 | 24.1 | 75.9 | 1,098 | 38.3 | 38.5 | 9.2 | 23.1 | 76.9 | 988 |
| Igbo | 39.9 | 38.7 | 162 | 30.3 | 39.6 | 1.9 | 30.1 | 69.9 | 65 | 27.4 | 46.5 | 1.0 | 26.1 | 73.9 | 63 |
| Yoruba | 44.3 | 27.8 | 210 | 22.3 | 54.5 | 0.0 | 23.2 | 76.8 | 93 | 29.4 | 39.7 | 1.8 | 30.9 | 69.1 | 58 |
| Other ethnic group | 31.3 | 31.4 | 702 | 31.0 | 55.6 | 3.3 | 13.4 | 86.6 | 220 | 27.2 | 57.6 | 2.4 | 14.8 | 84.8 | 221 |

^a Community health provider includes both public (Community health worker and Mobile/Outreach clinic) and private (Mobile clinic) health facilities

^b Includes all public and private health facilities and providers

Table CH.10: Care-seeking for and antibiotic treatment of symptoms of acute respiratory infection (ARI)

Percentage of children age 0-59 months with symptoms of ARI in the last two weeks for whom advice or treatment was sought, by source of advice or treatment, and percentage of children with symptoms who were given antibiotics, Nigeria, 2016-17

| | Percentage of children with symptoms of ARI for whom Advice or treatment was sought from: | | | | | | Percentage of children with symptoms of ARI in the last two weeks who were given antibiotics ² | Number of children age 0-59 months with symptoms of ARI in the last two weeks | Percentage of children with symptoms of ARI for whom the source of antibiotics was: | | | | | Number of children with symptoms of ARI in the last two weeks who were given antibiotics | |
|------------------------------|---|-------------|--|--------------|-------------|--|---|---|---|--------------------------------|-------------|--|--------------|--|--|
| | Health facilities or providers | | | | | A health facility or provider ^b | | | No advice or treatment sought | Health facilities or providers | | | | | |
| | Public | Private | Community health provider ^a | Other source | | | | | | Public | Private | Community health provider ^a | Other source | | A health facility or provider ^c |
| Total | 19.4 | 15.1 | 3.3 | 6.3 | 23.7 | 15.9 | 22.2 | 833 | 41.6 | 48.9 | 18.6 | 9.5 | 90.5 | 185 | |
| Sex | | | | | | | | | | | | | | | |
| Male | 18.6 | 17.9 | 4 | 6.2 | 24.6 | 15.2 | 21.7 | 454 | 39.7 | 52.0 | 19.6 | 8.3 | 91.7 | 99 | |
| Female | 20.3 | 11.8 | 2 | 6.4 | 22.8 | 16.7 | 22.8 | 379 | 43.7 | 45.4 | 17.5 | 10.9 | 89.1 | 87 | |
| Residence | | | | | | | | | | | | | | | |
| Urban | 14.0 | 20.2 | 1 | 3.2 | 19.8 | 12.8 | 21.7 | 259 | (28.7) | (65.0) | (12.3) | (6.3) | (93.7) | 56 | |
| Rural | 21.8 | 12.8 | 4 | 7.7 | 25.5 | 17.3 | 22.4 | 574 | 47.2 | 41.9 | 21.3 | 10.9 | 89.1 | 129 | |
| Age (months) | | | | | | | | | | | | | | | |
| 0-11 | 15.6 | 16.6 | 1 | 8.0 | 17.4 | 12.8 | 16.6 | 153 | (*) | (*) | (*) | (*) | (*) | 25 | |
| 12-23 | 25.5 | 17.4 | 7 | 8.2 | 32.4 | 9.4 | 22.0 | 183 | (30.4) | (57.0) | (21.0) | (12.5) | (87.5) | 40 | |
| 24-35 | 21.7 | 15.7 | 4 | 4.9 | 25.4 | 21.1 | 26.0 | 175 | (43.4) | (53.5) | (18.8) | (3.1) | (96.9) | 45 | |
| 36-47 | 13.5 | 16.3 | 1 | 7.2 | 17.9 | 14.0 | 15.3 | 172 | (46.4) | (40.6) | (3.8) | (13.0) | (87.0) | 26 | |
| 48-59 | 19.7 | 8.9 | 2 | 2.8 | 24.3 | 22.9 | 31.6 | 151 | (40.3) | (51.0) | (29.5) | (8.7) | (91.3) | 48 | |
| Mother's education | | | | | | | | | | | | | | | |
| None | 18.6 | 12.4 | 4 | 6.0 | 21.5 | 21.2 | 17.5 | 246 | (47.8) | (44.2) | (22.0) | (8.0) | (92.0) | 43 | |
| Non-formal | 28.0 | 14.2 | 3 | 7.8 | 29.3 | 19.5 | 30.1 | 217 | (47.2) | (48.6) | (19.7) | (4.2) | (95.8) | 65 | |
| Primary | 14.2 | 16.0 | 6 | 6.8 | 21.4 | 15.0 | 23.6 | 146 | (32.5) | (57.0) | (18.7) | (10.5) | (89.5) | 34 | |
| Secondary | 14.6 | 17.4 | 1 | 5.8 | 18.8 | 8.1 | 17.6 | 175 | (38.3) | (36.3) | (18.4) | (25.4) | (74.6) | 31 | |
| Higher | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 50 | (*) | (*) | (*) | (*) | (*) | 12 | |
| Wealth index quintile | | | | | | | | | | | | | | | |
| Poorest | 19.4 | 13.7 | 3 | 8.7 | 22.6 | 21.5 | 21.5 | 221 | (52.4) | (38.5) | (13.0) | (9.1) | (90.9) | 47 | |
| Second | 23.8 | 12.9 | 6 | 6.8 | 27.5 | 17.6 | 20.7 | 190 | (40.9) | (46.5) | (13.3) | (12.6) | (87.4) | 39 | |
| Middle | 16.8 | 13.6 | 3 | 5.3 | 20.2 | 15.3 | 30.2 | 178 | (43.7) | (50.3) | (34.7) | (5.9) | (94.1) | 54 | |
| Fourth | 18.0 | 13.2 | 2 | 7.1 | 21.5 | 12.9 | 15.7 | 127 | (*) | (*) | (*) | (*) | (*) | 20 | |
| Richest | 17.6 | 26.0 | 1 | 1.4 | 27.5 | 6.7 | 21.1 | 117 | (*) | (*) | (*) | (*) | (*) | 25 | |

¹ MICS indicator 3.13 - Care-seeking for children with acute respiratory infection (ARI) symptoms

² MICS indicator 3.14 - Antibiotic treatment for children with ARI symptoms

^a Community health providers includes both public (Community health worker and Mobile/Outreach clinic) and private (Mobile clinic) health facilities

^b Includes all public and private health facilities and providers, but excludes private pharmacy

^c Includes all public and private health facilities and providers

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table CH.10: Care-seeking for and antibiotic treatment of symptoms of acute respiratory infection (ARI) (continued)

Percentage of children age 0-59 months with symptoms of ARI in the last two weeks for whom advice or treatment was sought, by source of advice or treatment, and percentage of children with symptoms who were given antibiotics, Nigeria, 2016-17

| | Percentage of children with symptoms of ARI for whom: Advice or treatment was sought from: | | | | | | Percentage of children with symptoms of ARI in the last two weeks who were given antibiotics ² | Number of children age 0-59 months with symptoms of ARI in the last two weeks | Percentage of children with symptoms of ARI for whom the source of antibiotics was: | | | | | Number of children with symptoms of ARI in the last two weeks who were given antibiotics |
|---|---|--------|--|--------------|---|-------------------------------|---|---|---|--------|--|--------------|--|--|
| | Health facilities or providers | | Community health provider ^a | Other source | A health facility or provider ¹ b | No advice or treatment sought | | | Health facilities or providers | | Community health provider ^a | Other source | A health facility or provider ^c | |
| Public | Private | Public | | | | | Private | Public | Private | Public | | | | Private |
| Mother's education | | | | | | | | | | | | | | |
| None | 18.6 | 12.4 | 4 | 6.0 | 21.5 | 21.2 | 17.5 | 246 | (47.8) | (44.2) | (22.0) | (8.0) | (92.0) | 43 |
| Non-formal | 28.0 | 14.2 | 3 | 7.8 | 29.3 | 19.5 | 30.1 | 217 | (47.2) | (48.6) | (19.7) | (4.2) | (95.8) | 65 |
| Primary | 14.2 | 16.0 | 6 | 6.8 | 21.4 | 15.0 | 23.6 | 146 | (32.5) | (57.0) | (18.7) | (10.5) | (89.5) | 34 |
| Secondary | 14.6 | 17.4 | 1 | 5.8 | 18.8 | 8.1 | 17.6 | 175 | (38.3) | (36.3) | (18.4) | (25.4) | (74.6) | 31 |
| Higher | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 50 | (*) | (*) | (*) | (*) | (*) | 12 |
| Wealth index quintile | | | | | | | | | | | | | | |
| Poorest | 19.4 | 13.7 | 3 | 8.7 | 22.6 | 21.5 | 21.5 | 221 | (52.4) | (38.5) | (13.0) | (9.1) | (90.9) | 47 |
| Second | 23.8 | 12.9 | 6 | 6.8 | 27.5 | 17.6 | 20.7 | 190 | (40.9) | (46.5) | (13.3) | (12.6) | (87.4) | 39 |
| Middle | 16.8 | 13.6 | 3 | 5.3 | 20.2 | 15.3 | 30.2 | 178 | (43.7) | (50.3) | (34.7) | (5.9) | (94.1) | 54 |
| Fourth | 18.0 | 13.2 | 2 | 7.1 | 21.5 | 12.9 | 15.7 | 127 | (*) | (*) | (*) | (*) | (*) | 20 |
| Richest | 17.6 | 26.0 | 1 | 1.4 | 27.5 | 6.7 | 21.1 | 117 | (*) | (*) | (*) | (*) | (*) | 25 |
| ¹ MICS indicator 3.13 - Care-seeking for children with acute respiratory infection (ARI) symptoms | | | | | | | | | | | | | | |
| ² MICS indicator 3.14 - Antibiotic treatment for children with ARI symptoms | | | | | | | | | | | | | | |
| ^a Community health providers includes both public (Community health worker and Mobile/Outreach clinic) and private (Mobile clinic) health facilities | | | | | | | | | | | | | | |
| ^b Includes all public and private health facilities and providers, but excludes private pharmacy | | | | | | | | | | | | | | |
| ^c Includes all public and private health facilities and providers | | | | | | | | | | | | | | |

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table CH.11: Knowledge of the two danger signs of pneumonia

Percentage of women age 15-49 years who are mothers or caretakers of children under age 5 by symptoms that would cause them to take a child under age 5 immediately to a health facility, and percentage of mothers who recognize fast or difficult breathing as signs for seeking care immediately, Nigeria, 2016-17

| | Percentage of mothers/caretakers of children age 0-59 months who think that a child should be taken immediately to a health facility if the child: | | | | | | | | Mothers/caretakers who recognize at least one of the two danger signs of pneumonia (fast and/or difficult breathing) | Number of women age 15-49 years who are mothers/caretakers of children under age 5 |
|------------------------------------|--|----------------|------------------|--------------------|-------------------------|--------------------|--------------------|--------------------|--|--|
| | Is not able to drink or breastfeed | Becomes sicker | Develops a fever | Has fast breathing | Has difficult breathing | Has blood in stool | Is drinking poorly | Has other symptoms | | |
| Total | 29.6 | 46.4 | 74.7 | 27.6 | 26.1 | 22.2 | 13.7 | 13.1 | 39.0 | 18,249 |
| Geopolitical zone | | | | | | | | | | |
| North central | 32.8 | 46.5 | 75.5 | 26.8 | 30.6 | 27.8 | 17.6 | 13.4 | 44.3 | 3,050 |
| North east | 40.5 | 52.8 | 66.6 | 39.1 | 35.3 | 24.3 | 16.6 | 6.7 | 50.7 | 3,759 |
| North west | 28.8 | 45.5 | 76.6 | 25.1 | 22.2 | 18.0 | 12.8 | 11.5 | 34.3 | 6,857 |
| South east | 29.6 | 61.2 | 73.6 | 32.9 | 33.4 | 35.4 | 12.5 | 4.4 | 50.1 | 931 |
| South south | 21.1 | 44.6 | 77.5 | 20.8 | 19.8 | 23.9 | 8.1 | 19.8 | 30.2 | 1,516 |
| South west | 14.1 | 32.7 | 79.8 | 18.8 | 17.3 | 17.2 | 10.0 | 28.4 | 26.9 | 2,137 |
| Residence | | | | | | | | | | |
| Urban | 26.5 | 46.9 | 76.7 | 29.7 | 27.7 | 25.2 | 13.9 | 16.6 | 40.6 | 5,569 |
| Rural | 30.9 | 46.2 | 73.8 | 26.6 | 25.4 | 20.9 | 13.6 | 11.6 | 38.3 | 12,680 |
| Education | | | | | | | | | | |
| None | 37.2 | 44.8 | 74.8 | 28.1 | 26.2 | 19.4 | 16.5 | 9.0 | 40.3 | 5,156 |
| Non-formal | 24.1 | 49.0 | 69.3 | 27.0 | 25.2 | 21.0 | 10.8 | 9.7 | 36.4 | 3,894 |
| Primary | 29.8 | 47.0 | 77.2 | 27.6 | 28.4 | 23.1 | 13.2 | 13.8 | 40.7 | 2,867 |
| Secondary | 26.9 | 46.3 | 76.5 | 27.9 | 25.4 | 24.1 | 12.3 | 17.6 | 39.2 | 4,870 |
| Higher | 25.6 | 44.7 | 77.5 | 26.4 | 25.8 | 27.5 | 16.5 | 20.1 | 36.9 | 1,463 |
| Wealth index quintile | | | | | | | | | | |
| Poorest | 31.4 | 45.3 | 72.1 | 23.5 | 21.0 | 16.3 | 12.9 | 9.8 | 34.5 | 4,057 |
| Second | 32.1 | 45.9 | 74.1 | 26.8 | 24.1 | 19.7 | 13.7 | 9.9 | 37.9 | 3,965 |
| Middle | 31.8 | 49.6 | 72.8 | 31.2 | 30.2 | 26.7 | 15.3 | 11.8 | 43.6 | 3,505 |
| Fourth | 28.4 | 49.3 | 77.7 | 32.3 | 30.8 | 25.6 | 13.9 | 15.1 | 42.8 | 3,325 |
| Richest | 23.2 | 42.3 | 77.4 | 24.9 | 25.7 | 24.4 | 12.6 | 20.2 | 37.1 | 3,397 |
| Ethnicity of household head | | | | | | | | | | |
| Hausa | 31.9 | 47.3 | 73.3 | 29.0 | 27.1 | 20.7 | 14.4 | 9.2 | 39.6 | 9,865 |
| Igbo | 25.9 | 52.7 | 75.1 | 29.6 | 28.9 | 31.1 | 13.5 | 10.0 | 44.1 | 1,418 |
| Yoruba | 17.5 | 33.9 | 78.3 | 20.4 | 19.3 | 18.7 | 11.3 | 26.8 | 29.8 | 1,925 |
| Other ethnic group | 30.7 | 47.8 | 75.8 | 27.0 | 26.0 | 24.1 | 13.1 | 16.5 | 39.7 | 5,042 |

The two danger signs of pneumonia are fast breathing (IS2=D) and difficult breathing (IS2=E)
 In this table, the percentages will not add to 100 since some mothers/caretakers may have indicated more than one symptom.

Table CH.11: Knowledge of the two danger signs of pneumonia (continued)

Percentage of women age 15-49 years who are mothers or caretakers of children under age 5 by symptoms that would cause them to take a child under age 5 immediately to a health facility, and percentage of mothers who recognize fast or difficult breathing as signs for seeking care immediately, Nigeria, 2016-17

| | Percentage of mothers/caretakers of children age 0-59 months who think that a child should be taken immediately to a health facility if the child: | | | | | | | | Mothers/caretakers who recognize at least one of the two danger signs of pneumonia (fast and/or difficult breathing) | Number of women age 15-49 years who are mothers/caretakers of children under age 5 |
|--------------|--|----------------|------------------|--------------------|-------------------------|--------------------|--------------------|--------------------|--|--|
| | Is not able to drink or breastfeed | Becomes sicker | Develops a fever | Has fast breathing | Has difficult breathing | Has blood in stool | Is drinking poorly | Has other symptoms | | |
| Total | 29.6 | 46.4 | 74.7 | 27.6 | 26.1 | 22.2 | 13.7 | 13.1 | 39.0 | 18,249 |
| State | | | | | | | | | | |
| Abia | 18.6 | 68.3 | 83.0 | 29.5 | 30.1 | 22.6 | 16.6 | 7.2 | 38.1 | 143 |
| Adamawa | 41.8 | 60.2 | 64.9 | 26.8 | 22.6 | 26.0 | 16.0 | 8.6 | 35.7 | 418 |
| Akwa Ibom | 24.0 | 49.3 | 90.7 | 28.5 | 17.9 | 26.9 | 4.5 | 20.7 | 35.7 | 370 |
| Anambra | 24.5 | 60.4 | 74.0 | 19.5 | 21.5 | 30.8 | 7.4 | 2.7 | 36.8 | 226 |
| Bauchi | 67.4 | 47.8 | 62.9 | 27.1 | 24.5 | 10.0 | 24.2 | 1.6 | 45.1 | 993 |
| Bayelsa | 17.7 | 21.1 | 80.9 | 9.7 | 17.4 | 19.6 | 3.8 | 28.3 | 24.2 | 116 |
| Benue | 31.5 | 50.0 | 73.0 | 28.4 | 34.0 | 31.3 | 18.0 | 19.9 | 46.0 | 460 |
| Borno | 29.2 | 61.5 | 72.5 | 64.8 | 53.2 | 38.5 | 8.1 | 4.2 | 72.3 | 1057 |
| Cross River | 7.4 | 47.7 | 87.0 | 10.5 | 17.2 | 21.7 | 5.2 | 29.1 | 24.6 | 282 |
| Delta | 26.2 | 46.4 | 71.9 | 10.8 | 9.1 | 16.5 | 8.6 | 18.6 | 18.2 | 272 |
| Ebonyi | 48.1 | 59.3 | 69.6 | 50.1 | 37.2 | 43.9 | 11.6 | 2.2 | 59.4 | 161 |
| Edo | 26.0 | 41.4 | 83.8 | 19.8 | 18.1 | 16.6 | 13.5 | 1.0 | 27.9 | 192 |
| Ekiti | 21.0 | 30.1 | 71.8 | 18.8 | 16.8 | 12.2 | 3.6 | 34.3 | 26.5 | 91 |
| Enugu | 35.5 | 63.2 | 69.4 | 48.9 | 53.9 | 44.6 | 17.9 | 6.1 | 73.7 | 168 |
| Gombe | 12.6 | 21.6 | 82.1 | 9.4 | 8.3 | 6.8 | 13.8 | 20.3 | 16.1 | 342 |
| Imo | 24.4 | 57.4 | 73.3 | 24.6 | 29.5 | 35.1 | 11.8 | 4.8 | 47.2 | 234 |
| Jigawa | 22.9 | 34.6 | 77.7 | 25.0 | 20.7 | 15.6 | 9.4 | 2.0 | 38.7 | 902 |
| Kaduna | 40.7 | 45.8 | 67.5 | 44.4 | 49.4 | 36.4 | 30.7 | 16.1 | 58.5 | 1109 |
| Kano | 31.0 | 48.9 | 79.8 | 35.3 | 27.7 | 22.5 | 15.0 | 8.7 | 44.7 | 1454 |
| Katsina | 28.0 | 43.1 | 78.3 | 10.4 | 9.4 | 5.9 | 6.2 | 21.9 | 18.4 | 1296 |
| Kebbi | 38.6 | 51.2 | 85.4 | 26.6 | 19.4 | 15.1 | 15.9 | 4.9 | 32.3 | 599 |
| Kogi | 19.9 | 51.1 | 78.1 | 22.8 | 16.0 | 17.2 | 9.6 | 2.0 | 34.1 | 253 |
| Kwara | 30.1 | 48.8 | 62.0 | 32.9 | 41.8 | 25.6 | 19.8 | 2.9 | 62.2 | 247 |

Table CH.11: Knowledge of the two danger signs of pneumonia (continued)

Percentage of women age 15-49 years who are mothers or caretakers of children under age 5 by symptoms that would cause them to take a child under age 5 immediately to a health facility, and percentage of mothers who recognize fast or difficult breathing as signs for seeking care immediately, Nigeria, 2016-17

| | Percentage of mothers/caretakers of children age 0-59 months who think that a child should be taken immediately to a health facility if the child: | | | | | | | | Mothers/caretakers who recognize at least one of the two danger signs of pneumonia (fast and/or difficult breathing) | Number of women age 15-49 years who are mothers/caretakers of children under age 5 |
|-----------|--|----------------|------------------|--------------------|-------------------------|--------------------|--------------------|--------------------|--|--|
| | Is not able to drink or breastfeed | Becomes sicker | Develops a fever | Has fast breathing | Has difficult breathing | Has blood in stool | Is drinking poorly | Has other symptoms | | |
| Lagos | 12.9 | 30.5 | 77.5 | 23.3 | 20.1 | 20.1 | 12.8 | 27.2 | 31.4 | 760 |
| Nasarawa | 49.6 | 56.9 | 87.6 | 37.8 | 38.9 | 38.2 | 31.1 | 7.3 | 45.8 | 395 |
| Niger | 31.9 | 33.4 | 63.9 | 22.0 | 31.4 | 19.0 | 15.3 | 19.2 | 46.7 | 859 |
| Ogun | 8.0 | 22.8 | 74.3 | 13.7 | 17.4 | 15.9 | 6.1 | 39.7 | 22.3 | 218 |
| Ondo | 19.8 | 43.5 | 68.1 | 25.2 | 19.7 | 19.0 | 14.8 | 9.1 | 37.3 | 268 |
| Osun | 31.5 | 47.4 | 84.9 | 28.5 | 27.9 | 26.2 | 21.0 | 43.7 | 35.8 | 250 |
| Oyo | 6.4 | 28.3 | 89.8 | 7.1 | 7.4 | 9.5 | 1.2 | 26.8 | 13.6 | 550 |
| Plateau | 32.6 | 54.6 | 89.5 | 27.4 | 24.9 | 34.0 | 14.8 | 10.3 | 38.6 | 687 |
| Rivers | 24.2 | 45.7 | 50.4 | 35.9 | 37.5 | 35.9 | 13.3 | 20.0 | 44.1 | 283 |
| Sokoto | 12.5 | 49.0 | 67.2 | 14.1 | 13.0 | 6.3 | 4.6 | 11.3 | 19.1 | 615 |
| Taraba | 34.3 | 47.8 | 57.6 | 31.4 | 35.7 | 18.4 | 20.2 | 7.9 | 49.6 | 280 |
| Yobe | 34.4 | 59.9 | 59.9 | 42.6 | 44.4 | 33.2 | 18.9 | 9.3 | 52.5 | 670 |
| Zamfara | 22.1 | 48.1 | 80.0 | 12.5 | 7.5 | 18.0 | 3.8 | 9.1 | 17.8 | 883 |
| FCT Abuja | 24.2 | 34.3 | 72.1 | 13.4 | 26.1 | 33.4 | 17.5 | 26.6 | 34.6 | 148 |

The two danger signs of pneumonia are fast breathing (IS2=D) and difficult breathing (IS2=E)

In this table, the percentages will not add to 100 since some mothers/caretakers may have indicated more than one symptom.

Table CH.11: Knowledge of the two danger signs of pneumonia (continued)

Percentage of women age 15-49 years who are mothers or caretakers of children under age 5 by symptoms that would cause them to take a child under age 5 immediately to a health facility, and percentage of mothers who recognize fast or difficult breathing as signs for seeking care immediately, Nigeria, 2016-17

| | Percentage of mothers/caretakers of children age 0-59 months who think that a child should be taken immediately to a health facility if the child: | | | | | | | | Mothers/caretakers who recognize at least one of the two danger signs of pneumonia (fast and/or difficult breathing) | Number of women age 15-49 years who are mothers/caretakers of children under age 5 |
|-----------|--|----------------|------------------|--------------------|-------------------------|--------------------|--------------------|--------------------|--|--|
| | Is not able to drink or breastfeed | Becomes sicker | Develops a fever | Has fast breathing | Has difficult breathing | Has blood in stool | Is drinking poorly | Has other symptoms | | |
| Imo | 24.4 | 57.4 | 73.3 | 24.6 | 29.5 | 35.1 | 11.8 | 4.8 | 47.2 | 234 |
| Jigawa | 22.9 | 34.6 | 77.7 | 25.0 | 20.7 | 15.6 | 9.4 | 2.0 | 38.7 | 902 |
| Kaduna | 40.7 | 45.8 | 67.5 | 44.4 | 49.4 | 36.4 | 30.7 | 15.9 | 58.5 | 1,109 |
| Kano | 31.0 | 48.9 | 79.8 | 35.3 | 27.7 | 22.5 | 15.0 | 8.6 | 44.7 | 1,454 |
| Katsina | 28.0 | 43.1 | 78.3 | 10.4 | 9.4 | 5.9 | 6.2 | 21.3 | 18.4 | 1,296 |
| Kebbi | 38.6 | 51.2 | 85.4 | 26.6 | 19.4 | 15.1 | 15.9 | 4.6 | 32.3 | 599 |
| Kogi | 19.9 | 51.1 | 78.1 | 22.8 | 16.0 | 17.2 | 9.6 | 2.0 | 34.1 | 253 |
| Kwara | 30.1 | 48.8 | 62.0 | 32.9 | 41.8 | 25.6 | 19.8 | 2.6 | 62.2 | 247 |
| Lagos | 12.9 | 30.5 | 77.5 | 23.3 | 20.1 | 20.1 | 12.8 | 26.8 | 31.4 | 760 |
| Nasarawa | 49.6 | 56.9 | 87.6 | 37.8 | 38.9 | 38.2 | 31.1 | 7.3 | 45.8 | 395 |
| Niger | 31.9 | 33.4 | 63.9 | 22.0 | 31.4 | 19.0 | 15.3 | 18.5 | 46.7 | 859 |
| Ogun | 8.0 | 22.8 | 74.3 | 13.7 | 17.4 | 15.9 | 6.1 | 39.4 | 22.3 | 218 |
| Ondo | 19.8 | 43.5 | 68.1 | 25.2 | 19.7 | 19.0 | 14.8 | 3.2 | 37.3 | 268 |
| Osun | 31.5 | 47.4 | 84.9 | 28.5 | 27.9 | 26.2 | 21.0 | 43.7 | 35.8 | 250 |
| Oyo | 6.4 | 28.3 | 89.8 | 7.1 | 7.4 | 9.5 | 1.2 | 26.6 | 13.6 | 550 |
| Plateau | 32.6 | 54.6 | 89.5 | 27.4 | 24.9 | 34.0 | 14.8 | 9.8 | 38.6 | 687 |
| Rivers | 24.2 | 45.7 | 50.4 | 35.9 | 37.5 | 35.9 | 13.3 | 18.5 | 44.1 | 283 |
| Sokoto | 12.5 | 49.0 | 67.2 | 14.1 | 13.0 | 6.3 | 4.6 | 11.0 | 19.1 | 615 |
| Taraba | 34.3 | 47.8 | 57.6 | 31.4 | 35.7 | 18.4 | 20.2 | 7.7 | 49.6 | 280 |
| Yobe | 34.4 | 59.9 | 59.9 | 42.6 | 44.4 | 33.2 | 18.9 | 8.5 | 52.5 | 670 |
| Zamfara | 22.1 | 48.1 | 80.0 | 12.5 | 7.5 | 18.0 | 3.8 | 9.1 | 17.8 | 883 |
| FCT Abuja | 24.2 | 34.3 | 72.1 | 13.4 | 26.1 | 33.4 | 17.5 | 26.3 | 34.6 | 148 |

The two danger signs of pneumonia are fast breathing (IS2=D) and difficult breathing (IS2=E)

Solid Fuel Use

Table CH.12: Solid fuel use

Percent distribution of household members according to type of cooking fuel mainly used by the household, and percentage of household members living in households using solid fuels for cooking, Nigeria, 2016-17

| | Percentage of household members in households mainly using | | | | | | | | | | | | | Total | Solid fuels for cooking ¹ | Number of household members |
|------------------------------------|--|-------------------------------|-------------|------------|-------------|---------------|------------|-------------|----------------------|-------------|------------|---------------------------------|---------------------------|--------------|--------------------------------------|-----------------------------|
| | Electricity | Liquefied Petroleum Gas (LPG) | Natural Gas | Biogas | Kerosene | Solid fuels | | | | | Other fuel | No food cooked in the household | | | | |
| | | | | | | Coal/ Lignite | Char-coal | Wood | Straw/ Shrubs/ Grass | Animal dung | | | Agricultural crop residue | | | |
| Total | 1.3 | 4.0 | | 1.2 | 12.7 | 0.4 | 6.0 | 69.2 | 2.3 | 0.1 | 2.6 | 0.1 | 0.2 | 100.0 | 80.6 | 182,165 |
| Geopolitical zone | | | | | | | | | | | | | | | | |
| North Central | 1.0 | 2.5 | | 0.8 | 7.3 | 0.3 | 8.1 | 78.2 | 0.3 | 0.0 | 1.2 | 0.1 | 0.1 | 100.0 | 88.1 | 30,688 |
| North East | 1.2 | 0.3 | | 0.0 | 0.7 | 0.1 | 12.4 | 82.9 | 0.7 | 0.1 | 1.3 | 0.1 | 0.1 | 100.0 | 97.5 | 36,964 |
| North West | 1.3 | 1.2 | | 0.5 | 3.3 | 0.6 | 3.5 | 76.5 | 6.1 | 0.3 | 6.3 | 0.0 | 0.3 | 100.0 | 93.2 | 61,155 |
| South East | 0.7 | 3.7 | | 1.6 | 23.4 | 0.1 | 1.4 | 67.9 | 0.6 | 0.0 | 0.0 | 0.4 | 0.1 | 100.0 | 70.0 | 12,708 |
| South South | 1.8 | 8.5 | | 1.4 | 30.4 | 0.0 | 0.4 | 57.1 | 0.2 | 0.0 | 0.0 | 0.1 | 0.2 | 100.0 | 57.7 | 17,393 |
| South West | 1.8 | 15.7 | | 4.6 | 44.2 | 0.8 | 6.2 | 26.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 100.0 | 33.4 | 23,257 |
| Residence | | | | | | | | | | | | | | | | |
| Urban | 2.4 | 9.7 | | 2.9 | 29.0 | 0.9 | 11.8 | 42.1 | 0.3 | 0.0 | 0.6 | 0.1 | 0.2 | 100.0 | 55.7 | 61,430 |
| Rural | 0.7 | 1.0 | | 0.3 | 4.4 | 0.1 | 3.0 | 83.0 | 3.3 | 0.2 | 3.6 | 0.1 | 0.2 | 100.0 | 93.3 | 120,735 |
| Education of household head | | | | | | | | | | | | | | | | |
| None | 0.6 | 0.3 | | 0.1 | 4.3 | 0.3 | 3.8 | 83.9 | 2.5 | 0.3 | 3.6 | 0.1 | 0.2 | 100.0 | 94.4 | 39,653 |
| Non-formal | 0.6 | 0.3 | | 0.1 | 0.6 | 0.2 | 7.1 | 78.5 | 6.5 | 0.3 | 5.5 | 0.0 | 0.4 | 100.0 | 98.0 | 36,506 |
| Primary | 1.2 | 1.6 | | 0.5 | 13.6 | 0.4 | 5.1 | 74.0 | 1.3 | 0.1 | 2.0 | 0.1 | 0.1 | 100.0 | 82.8 | 34,678 |
| Secondary | 1.9 | 4.8 | | 1.4 | 24.7 | 0.5 | 6.7 | 57.9 | 0.8 | 0.0 | 0.9 | 0.1 | 0.2 | 100.0 | 66.8 | 43,819 |
| Higher | 2.3 | 16.1 | | 4.5 | 20.6 | 0.5 | 7.6 | 47.4 | 0.1 | 0.0 | 0.5 | 0.1 | 0.2 | 100.0 | 56.3 | 27,166 |
| Wealth index quintile | | | | | | | | | | | | | | | | |
| Poorest | 0.2 | 0.1 | | 0.0 | 0.1 | 0.0 | 0.3 | 83.2 | 6.7 | 0.5 | 8.6 | 0.0 | 0.2 | 100.0 | 99.3 | 36,427 |
| Second | 0.3 | 0.1 | | 0.1 | 0.1 | 0.1 | 0.9 | 92.1 | 2.9 | 0.1 | 3.1 | 0.0 | 0.2 | 100.0 | 99.2 | 36,454 |
| Middle | 0.7 | 0.1 | | 0.0 | 3.0 | 0.2 | 6.2 | 87.1 | 1.5 | 0.0 | 0.8 | 0.1 | 0.3 | 100.0 | 95.8 | 36,404 |
| Fourth | 1.4 | 0.6 | | 0.3 | 18.0 | 0.9 | 14.9 | 62.9 | 0.4 | 0.0 | 0.3 | 0.2 | 0.3 | 100.0 | 79.3 | 36,449 |
| Richest | 3.9 | 19.0 | | 5.4 | 42.2 | 0.8 | 7.7 | 20.8 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 100.0 | 29.4 | 36,432 |
| Ethnicity of household head | | | | | | | | | | | | | | | | |
| Hausa | 1.2 | 1.0 | | 0.4 | 2.6 | 0.4 | 7.9 | 77.2 | 4.2 | 0.2 | 4.5 | 0.1 | 0.3 | 100.0 | 94.4 | 90,060 |
| Igbo | 1.1 | 7.4 | | 2.4 | 29.5 | 0.3 | 2.3 | 56.0 | 0.5 | 0.0 | 0.1 | 0.3 | 0.1 | 100.0 | 59.2 | 18,007 |
| Yoruba | 1.9 | 14.0 | | 4.1 | 41.9 | 0.9 | 9.9 | 26.9 | 0.1 | 0.0 | 0.0 | 0.0 | 0.3 | 100.0 | 37.8 | 21,721 |
| Other ethnic group | 1.3 | 3.7 | | 0.7 | 12.1 | 0.1 | 2.3 | 77.6 | 0.6 | 0.1 | 1.2 | 0.1 | 0.1 | 100.0 | 82.0 | 52,376 |

¹ MICS indicator 3.15 - Use of solid fuels for cooking

Table CH.12: Solid fuel use (Continued)

Percent distribution of household members according to type of cooking fuel mainly used by the household, and percentage of household members living in households using solid fuels for cooking, Nigeria, 2016-17

| | Percentage of household members in households mainly using: | | | | | | | | | | | | | Total | Solid fuels for cooking ¹ | Number of household members |
|--------------|---|-------------------------------|--------|------------|--------------|------------|-------------|--------------------|-------------|---------------------------|------------|---------------------------------|------------|--------------|--------------------------------------|-----------------------------|
| | Electricity | Liquefied Petroleum Gas (LPG) | | | | | Solid fuels | | | | | No food cooked in the household | | | | |
| | | Natural Gas | Biogas | Kerosene | Coal/Lignite | Char-coal | Wood | Straw/Shrubs/Grass | Animal dung | Agricultural crop residue | Other fuel | | | | | |
| Total | 1.3 | 4.0 | | 1.2 | 12.7 | 0.4 | 6.0 | 69.2 | 2.3 | 0.1 | 2.6 | 0.1 | 0.2 | 100.0 | 80.6 | 182,165 |
| State | | | | | | | | | | | | | | | | |
| Abia | 1.0 | 4.1 | | 1.7 | 25.9 | 0.2 | 1.2 | 65.6 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 100.0 | 67.1 | 1,826 |
| Adamawa | 4.2 | 0.6 | | 0.3 | 1.4 | 0.0 | 1.3 | 90.4 | 1.0 | 0.0 | 0.1 | 0.4 | 0.2 | 100.0 | 92.8 | 4,379 |
| Akwa Ibom | 1.6 | 3.7 | | 1.0 | 21.4 | 0.1 | 0.2 | 71.8 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 72.3 | 3,893 |
| Anambra | 1.9 | 3.2 | | 4.0 | 40.2 | 0.2 | 2.0 | 48.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 100.0 | 50.5 | 2,965 |
| Bauchi | 0.4 | 0.3 | | 0.0 | 0.9 | 0.2 | 1.7 | 89.3 | 1.2 | 0.3 | 5.2 | 0.1 | 0.3 | 100.0 | 98.0 | 8,746 |
| Bayelsa | 3.8 | 7.4 | | 0.3 | 40.4 | 0.0 | 0.3 | 47.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 100.0 | 48.1 | 1,279 |
| Benue | 0.5 | 0.4 | | 0.2 | 2.2 | 0.2 | 3.5 | 92.4 | 0.3 | 0.0 | 0.0 | 0.2 | 0.1 | 100.0 | 96.4 | 5,012 |
| Borno | 0.4 | 0.0 | | 0.0 | 0.0 | 0.2 | 37.0 | 62.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 99.6 | 11,063 |
| Cross River | 0.4 | 1.2 | | 0.8 | 19.2 | 0.0 | 0.3 | 77.9 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 100.0 | 78.4 | 3,233 |
| Delta | 0.9 | 11.0 | | 2.3 | 32.0 | 0.0 | 0.0 | 53.6 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 100.0 | 53.7 | 2,921 |
| Ebonyi | 0.2 | 0.8 | | 0.0 | 6.7 | 0.0 | 1.8 | 87.0 | 3.3 | 0.0 | 0.0 | 0.0 | 0.1 | 100.0 | 92.1 | 2,248 |
| Edo | 2.0 | 13.1 | | 3.3 | 43.3 | 0.2 | 1.0 | 36.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.1 | 100.0 | 38.0 | 2,339 |
| Ekiti | 0.7 | 8.6 | | 2.5 | 29.3 | 0.8 | 5.8 | 51.9 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 100.0 | 58.5 | 1,128 |
| Enugu | 0.2 | 6.3 | | 0.2 | 21.4 | 0.4 | 1.3 | 69.8 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 100.0 | 71.5 | 2,399 |
| Gombe | 2.9 | 0.3 | | 0.0 | 0.6 | 0.0 | 1.7 | 91.0 | 2.6 | 0.2 | 0.5 | 0.0 | 0.2 | 100.0 | 95.9 | 3,291 |
| Imo | 0.0 | 4.0 | | 1.6 | 19.8 | 0.0 | 0.7 | 72.5 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 100.0 | 73.2 | 3,270 |
| Jigawa | 0.2 | 0.2 | | 0.0 | 0.7 | 0.0 | 0.8 | 82.9 | 6.4 | 0.3 | 8.3 | 0.0 | 0.1 | 100.0 | 98.7 | 8,019 |
| Kaduna | 2.0 | 2.3 | | 1.0 | 7.2 | 0.4 | 6.4 | 80.0 | 0.4 | 0.0 | 0.1 | 0.0 | 0.1 | 100.0 | 87.3 | 10,418 |
| Kano | 1.7 | 2.1 | | 1.2 | 4.8 | 1.5 | 8.0 | 69.7 | 8.7 | 0.1 | 1.8 | 0.0 | 0.4 | 100.0 | 89.7 | 13,560 |
| Katsina | 0.4 | 1.0 | | 0.2 | 2.7 | 0.2 | 0.0 | 72.0 | 8.7 | 0.9 | 13.4 | 0.0 | 0.3 | 100.0 | 95.3 | 10,941 |
| Kebbi | 2.8 | 0.6 | | 0.1 | 1.6 | 0.8 | 3.2 | 84.8 | 4.7 | 0.1 | 0.3 | 0.2 | 0.6 | 100.0 | 93.9 | 5,391 |
| Kogi | 2.6 | 0.8 | | 1.2 | 12.2 | 0.6 | 3.0 | 67.0 | 0.3 | 0.0 | 11.4 | 0.3 | 0.4 | 100.0 | 82.3 | 3,152 |
| Kwara | 1.4 | 3.6 | | 0.7 | 18.2 | 1.7 | 26.1 | 47.1 | 0.8 | 0.0 | 0.0 | 0.0 | 0.3 | 100.0 | 75.6 | 2,709 |

Table CH.12: Solid fuel use (Continued)

Percent distribution of household members according to type of cooking fuel mainly used by the household, and percentage of household members living in households using solid fuels for cooking, Nigeria, 2016-17

| State | Percentage of household members in households mainly using: | | | | | | | | | | | | | | | Number of household members |
|-----------|---|-------------------------------|-------------|--------|----------|---------------|-----------|------|----------------------|-------------|---------------------------|------------|---------------------------------|-------|--------------------------------------|-----------------------------|
| | Electricity | Liquefied Petroleum Gas (LPG) | Natural Gas | Biogas | Kerosene | Solid fuels | | | | | | Other fuel | No food cooked in the household | Total | Solid fuels for cooking ¹ | |
| | | | | | | Coal/ Lignite | Char-coal | Wood | Straw/ Shrubs/ Grass | Animal dung | Agricultural crop residue | | | | | |
| Lagos | 2.6 | 26.2 | | 5.2 | 62.5 | 0.3 | 1.3 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 100.0 | 3.3 | 7,576 |
| Nasarawa | 0.0 | 1.0 | | 0.0 | 2.8 | 0.1 | 7.4 | 88.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.1 | 100.0 | 96.1 | 3,792 |
| Niger | 0.6 | 1.8 | | 0.5 | 3.0 | 0.1 | 8.0 | 85.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 100.0 | 94.0 | 7,954 |
| Ogun | 0.3 | 18.5 | | 5.3 | 45.9 | 0.0 | 2.0 | 27.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 100.0 | 29.7 | 2,317 |
| Ondo | 1.2 | 11.8 | | 0.5 | 26.7 | 0.0 | 2.5 | 57.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 100.0 | 59.6 | 3,471 |
| Osun | 3.9 | 5.1 | | 6.0 | 33.6 | 0.6 | 10.1 | 40.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 100.0 | 50.9 | 3,257 |
| Oyo | 0.6 | 10.3 | | 5.6 | 38.7 | 2.5 | 14.9 | 27.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 100.0 | 44.5 | 5,508 |
| Plateau | 1.1 | 3.5 | | 1.9 | 9.2 | 0.0 | 6.7 | 77.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 84.3 | 6,581 |
| Rivers | 3.0 | 15.3 | | 0.9 | 36.8 | 0.0 | 0.6 | 42.5 | 0.0 | 0.0 | 0.0 | 0.4 | 0.5 | 100.0 | 43.1 | 3,729 |
| Sokoto | 0.6 | 0.3 | | 0.3 | 0.6 | 0.4 | 2.5 | 74.0 | 14.4 | 1.2 | 5.4 | 0.0 | 0.4 | 100.0 | 97.9 | 5,164 |
| Taraba | 1.5 | 0.8 | | 0.0 | 1.5 | 0.0 | 0.2 | 94.8 | 0.9 | 0.0 | 0.0 | 0.0 | 0.2 | 100.0 | 95.9 | 2,974 |
| Yobe | 0.8 | 0.2 | | 0.0 | 0.6 | 0.0 | 3.7 | 94.3 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | 100.0 | 98.1 | 6,511 |
| Zamfara | 1.2 | 0.6 | | 0.2 | 2.2 | 0.4 | 0.1 | 79.0 | 0.3 | 0.0 | 15.3 | 0.1 | 0.5 | 100.0 | 95.2 | 7,663 |
| FCT Abuja | 2.6 | 14.7 | | 0.8 | 20.8 | 0.4 | 9.7 | 51.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 61.1 | 1,489 |

¹ MICS indicator 3.15 - Use of solid fuels for cooking

Table CH.13: Solid fuel use by place of cooking

Percent distribution of household members in households using solid fuels by place of cooking, Nigeria, 2016-17

| | Place of cooking: | | | | | | Number of household members in households using solid fuels for cooking |
|------------------------------------|------------------------------------|------------------------|------------------------|-------------|-------------|--------------|---|
| | In the house | | | Outdoors | Other place | Total | |
| | In a separate room used as kitchen | Elsewhere in the house | In a separate building | | | | |
| Total | 37.7 | 24.0 | 12.1 | 26.1 | 0.2 | 100.0 | 146,816 |
| Geopolitical zone | | | | | | | |
| North Central | 50.6 | 11.7 | 14.6 | 23.0 | 0.2 | 100.0 | 27,049 |
| North East | 51.1 | 26.6 | 3.9 | 18.3 | 0.2 | 100.0 | 36,046 |
| North West | 30.7 | 33.5 | 6.1 | 29.6 | 0.1 | 100.0 | 57,013 |
| South East | 25.5 | 15.7 | 33.2 | 25.4 | 0.3 | 100.0 | 8,901 |
| South South | 22.2 | 6.3 | 42.2 | 28.9 | 0.4 | 100.0 | 10,029 |
| South West | 16.4 | 17.4 | 21.8 | 44.1 | 0.3 | 100.0 | 7,777 |
| Residence | | | | | | | |
| Urban | 49.0 | 19.3 | 9.6 | 22.0 | 0.1 | 100.0 | 34,218 |
| Rural | 34.3 | 25.4 | 12.8 | 27.3 | 0.2 | 100.0 | 112,598 |
| Education of household head | | | | | | | |
| None | 33.8 | 27.7 | 10.5 | 27.8 | 0.2 | 100.0 | 37,437 |
| Non-formal | 29.9 | 36.8 | 4.8 | 28.4 | 0.1 | 100.0 | 35,778 |
| Primary | 36.5 | 17.8 | 18.2 | 27.4 | 0.1 | 100.0 | 28,725 |
| Secondary | 43.5 | 16.3 | 15.8 | 24.2 | 0.2 | 100.0 | 29,281 |
| Higher | 57.1 | 11.1 | 14.3 | 17.5 | 0.0 | 100.0 | 15,286 |
| Wealth index quintile | | | | | | | |
| Poorest | 24.0 | 38.9 | 5.5 | 31.4 | 0.2 | 100.0 | 36,154 |
| Second | 35.2 | 26.1 | 8.6 | 30.0 | 0.2 | 100.0 | 36,167 |
| Middle | 41.0 | 19.2 | 14.7 | 24.9 | 0.2 | 100.0 | 34,881 |
| Fourth | 46.9 | 13.9 | 19.1 | 20.1 | 0.1 | 100.0 | 28,914 |
| Richest | 57.6 | 9.8 | 18.0 | 14.7 | 0.0 | 100.0 | 10,699 |
| Ethnicity of household head | | | | | | | |
| Hausa | 36.8 | 32.2 | 5.0 | 25.8 | 0.1 | 100.0 | 85,029 |
| Igbo | 26.7 | 14.8 | 31.9 | 26.4 | 0.2 | 100.0 | 10,654 |
| Yoruba | 22.8 | 17.8 | 19.0 | 40.1 | 0.3 | 100.0 | 8,208 |
| Other ethnic group | 45.1 | 11.1 | 19.7 | 23.8 | 0.2 | 100.0 | 42,924 |

Table CH.13: Solid fuel use by place of cooking (continued)

Percent distribution of household members in households using solid fuels by place of cooking, Nigeria, 2016-17

| | Place of cooking: | | | | | Total | Number of household members in households using solid fuels for cooking |
|--------------|------------------------------------|------------------------|------------------------|-------------|-------------|--------------|---|
| | In the house | | | Outdoors | Other place | | |
| | In a separate room used as kitchen | Elsewhere in the house | In a separate building | | | | |
| Total | 37.7 | 24.0 | 12.1 | 26.1 | 0.2 | 100.0 | 146,816 |
| State | | | | | | | |
| Abia | 7.7 | 7.5 | 57.9 | 26.6 | 0.3 | 100.0 | 1,226 |
| Adamawa | 55.7 | 19.3 | 6.7 | 18.2 | 0.0 | 100.0 | 4,063 |
| Akwa Ibom | 21.2 | 9.2 | 54.7 | 14.9 | 0.0 | 100.0 | 2,815 |
| Anambra | 28.8 | 12.6 | 32.0 | 26.5 | 0.0 | 100.0 | 1,496 |
| Bauchi | 50.8 | 31.1 | 2.4 | 15.7 | 0.0 | 100.0 | 8,568 |
| Bayelsa | 13.9 | 14.6 | 49.6 | 21.7 | 0.2 | 100.0 | 614 |
| Benue | 69.0 | 0.6 | 18.7 | 11.3 | 0.4 | 100.0 | 4,833 |
| Borno | 65.3 | 22.9 | 0.4 | 11.4 | 0.0 | 100.0 | 11,017 |
| Cross River | 8.1 | 0.9 | 32.1 | 57.3 | 1.6 | 100.0 | 2,534 |
| Delta | 28.0 | 3.8 | 48.7 | 19.5 | 0.0 | 100.0 | 1,568 |
| Ebonyi | 22.7 | 17.2 | 12.6 | 47.3 | 0.3 | 100.0 | 2,071 |
| Edo | 18.8 | 15.6 | 23.3 | 42.3 | 0.0 | 100.0 | 889 |
| Ekiti | 26.0 | 15.4 | 16.3 | 41.2 | 1.1 | 100.0 | 661 |
| Enugu | 21.7 | 10.8 | 43.6 | 23.4 | 0.5 | 100.0 | 1,715 |
| Gombe | 52.0 | 16.0 | 6.7 | 24.7 | 0.5 | 100.0 | 3,157 |
| Imo | 37.6 | 24.0 | 31.6 | 6.6 | 0.3 | 100.0 | 2,394 |
| Jigawa | 16.4 | 37.1 | 11.5 | 34.7 | 0.3 | 100.0 | 7,917 |
| Kaduna | 48.6 | 20.4 | 8.1 | 22.9 | 0.0 | 100.0 | 9,094 |
| Kano | 31.2 | 33.7 | 3.8 | 31.2 | 0.0 | 100.0 | 12,166 |
| Katsina | 36.5 | 39.8 | 3.2 | 20.5 | 0.0 | 100.0 | 10,425 |
| Kebbi | 15.5 | 50.9 | 9.4 | 24.1 | 0.0 | 100.0 | 5,064 |
| Kogi | 23.8 | 5.9 | 26.5 | 43.5 | 0.3 | 100.0 | 2,594 |
| Kwara | 36.1 | 13.6 | 8.1 | 42.1 | 0.1 | 100.0 | 2,049 |
| Lagos | 15.0 | 0.6 | 7.9 | 76.5 | 0.0 | 100.0 | 249 |
| Nasarawa | 68.5 | 9.0 | 1.4 | 20.9 | 0.2 | 100.0 | 3,643 |
| Niger | 39.7 | 29.9 | 11.4 | 19.0 | 0.0 | 100.0 | 7,476 |
| Ogun | 8.0 | 7.5 | 12.7 | 71.8 | 0.0 | 100.0 | 689 |
| Ondo | 14.0 | 11.9 | 43.4 | 30.8 | 0.0 | 100.0 | 2,067 |
| Osun | 28.0 | 15.0 | 14.1 | 42.7 | 0.1 | 100.0 | 1,659 |
| Oyo | 10.5 | 28.9 | 14.1 | 46.1 | 0.4 | 100.0 | 2,452 |
| Plateau | 58.5 | 2.3 | 19.7 | 19.5 | 0.0 | 100.0 | 5,546 |
| Rivers | 45.6 | 3.8 | 37.6 | 13.0 | 0.0 | 100.0 | 1,608 |
| Sokoto | 17.0 | 33.7 | 5.3 | 44.0 | 0.0 | 100.0 | 5,054 |
| Taraba | 47.3 | 32.9 | 10.0 | 9.8 | 0.0 | 100.0 | 2,854 |
| Yobe | 25.1 | 33.9 | 6.0 | 34.2 | 0.7 | 100.0 | 6,387 |
| Zamfara | 35.1 | 24.1 | 4.1 | 36.6 | 0.1 | 100.0 | 7,293 |
| FCT Abuja | 30.7 | 2.1 | 21.4 | 45.6 | 0.2 | 100.0 | 910 |

Malaria/Fever

Table CH.14: Household availability of insecticide treated nets and protection by a vector control method

Percentage of households with at least one mosquito net, one insecticide treated net (ITN), and one long-lasting treated net, percentage of households with at least one mosquito net, one insecticide treated net (ITN) per two people, and one long-lasting treated net, percentage of households with at least one ITN and/or indoor residual spraying (IRS) in the last 12 months, and percentage of households with at least one ITN per two people and/or with indoor residual spraying (IRS) in the last 12 months, Nigeria, 2016-17

| | Percentage of households with at least one mosquito net: | | | Percentage of households with at least one net for every two persons ^a : | | | Number of households |
|------------------------------------|--|---|--|---|---|--|----------------------|
| | Any mosquito net | Insecticide treated mosquito net (ITN) ¹ | Long-lasting insecticidal treated net (LLIN) | Any mosquito net | Insecticide treated mosquito net (ITN) ² | Long-lasting insecticidal treated net (LLIN) | |
| Total | 64.9 | 63.3 | 61.8 | 31.7 | 30.7 | 30.0 | 33,901 |
| Geopolitical zone | | | | | | | |
| North Central | 63.6 | 62.6 | 61.7 | 30.4 | 29.8 | 29.4 | 5,435 |
| North East | 79.4 | 78.0 | 75.7 | 34.7 | 33.9 | 32.9 | 5,581 |
| North West | 79.3 | 76.9 | 74.9 | 35.2 | 33.4 | 32.6 | 9,128 |
| South East | 53.3 | 51.7 | 50.8 | 32.0 | 31.1 | 30.6 | 3,132 |
| South South | 50.0 | 48.3 | 47.3 | 27.4 | 26.4 | 26.0 | 4,281 |
| South West | 48.4 | 47.4 | 46.3 | 28.1 | 27.4 | 26.6 | 6,344 |
| Residence | | | | | | | |
| Urban | 56.5 | 55.3 | 53.9 | 26.6 | 25.8 | 25.1 | 12,421 |
| Rural | 69.8 | 68.0 | 66.4 | 34.7 | 33.5 | 32.8 | 21,480 |
| Education of household head | | | | | | | |
| None | 64.1 | 62.3 | 60.4 | 33.4 | 32.2 | 31.2 | 7,443 |
| Non-formal | 79.3 | 77.0 | 75.4 | 33.6 | 32.2 | 31.7 | 5,269 |
| Primary | 62.0 | 60.5 | 59.2 | 31.2 | 30.2 | 29.7 | 6,558 |
| Secondary | 59.8 | 58.4 | 57.1 | 28.1 | 27.3 | 26.7 | 9,047 |
| Higher | 64.0 | 63.0 | 61.5 | 34.2 | 33.4 | 32.6 | 5,526 |
| Missing/Don't know | 75.9 | 70.5 | 64.5 | 29.6 | 28.7 | 23.9 | 58 |
| Wealth index quintile | | | | | | | |
| Poorest | 76.8 | 74.9 | 72.9 | 35.1 | 33.7 | 32.9 | 5,592 |
| Second | 73.3 | 71.5 | 69.7 | 36.6 | 35.4 | 34.6 | 6,328 |
| Middle | 66.6 | 64.7 | 63.4 | 33.2 | 32.1 | 31.6 | 6,897 |
| Fourth | 58.9 | 57.7 | 56.5 | 29.2 | 28.3 | 27.6 | 7,259 |
| Richest | 53.7 | 52.5 | 51.2 | 26.5 | 25.7 | 25.0 | 7,825 |
| Ethnicity of household head | | | | | | | |
| Hausa | 79.0 | 77.0 | 75.0 | 34.3 | 33.0 | 32.2 | 13,433 |
| Igbo | 51.7 | 50.1 | 49.1 | 30.0 | 28.9 | 28.3 | 4,436 |
| Yoruba | 47.2 | 46.1 | 45.0 | 26.7 | 26.1 | 25.4 | 5,873 |
| Other ethnic group | 62.3 | 60.9 | 59.7 | 31.9 | 31.0 | 30.5 | 10,159 |

¹ MICS indicator 3.16a - Household availability of insecticide-treated nets (ITNs) - One+

² MICS indicator 3.16b - Household availability of insecticide-treated nets (ITNs) - One+ per 2 people

³ MICS indicator 3.17a - Households covered by vector control - One+ ITNs

⁴ MICS indicator 3.17b - Households covered by vector control - One+ ITNs per 2 people

^a The numerators are based on number of usual (de jure) household members and does not take into account whether household members stayed in the household last night. MICS does not collect information on visitors to the household

Table CH.15: Access to an insecticide treated net (ITN) - number of household members

Percentage of household population with access to an ITN in the household, Nigeria, 2016-17

| | Number of ITNs owned by household: | | | | | | | | | Total | Percentage with access to an ITN ^a | Number of household members ^b |
|------------------------------------|------------------------------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|--------------|---|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 or more | | | |
| Total | 36.7 | 17.5 | 22.2 | 11.0 | 7.0 | 2.6 | 1.6 | 0.6 | 0.8 | 100.0 | 49.5 | 182,165 |
| Number of household members | | | | | | | | | | | | |
| 1 | 60.1 | 29.9 | 7.4 | 1.4 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 100.0 | 39.9 | 3,634 |
| 2 | 46.5 | 27.3 | 20.9 | 3.4 | 1.5 | 0.3 | 0.1 | 0.0 | 0.0 | 100.0 | 53.5 | 6,440 |
| 3 | 38.6 | 26.0 | 24.5 | 7.3 | 3.0 | 0.4 | 0.2 | 0.0 | 0.1 | 100.0 | 52.8 | 12,733 |
| 4 | 34.9 | 20.1 | 31.3 | 9.1 | 3.4 | 0.8 | 0.3 | 0.1 | 0.1 | 100.0 | 55.1 | 18,482 |
| 5 | 35.2 | 14.8 | 28.3 | 13.6 | 5.3 | 1.9 | 0.5 | 0.1 | 0.3 | 100.0 | 50.3 | 21,640 |
| 6 | 33.3 | 13.2 | 25.9 | 15.7 | 7.7 | 2.7 | 0.8 | 0.2 | 0.3 | 100.0 | 49.3 | 22,895 |
| 7 | 30.2 | 9.8 | 24.4 | 18.1 | 11.3 | 3.3 | 1.8 | 0.7 | 0.4 | 100.0 | 49.7 | 20,524 |
| 8 or more | 25.7 | 7.2 | 16.6 | 15.6 | 16.1 | 7.4 | 5.8 | 2.1 | 3.4 | 100.0 | 47.5 | 75,817 |

^a Percentage of household population who could sleep under an ITN if each ITN in the household were used by up to two people^b The denominator is number of usual (de jure) household members and does not take into account whether household members stayed in the household last night. MICS does not collect information on visitors to the household**Table CH.16: Access to an insecticide treated net (ITN) - background characteristics**

Percentage of household population with access to an ITN in the household, Nigeria, 2016-17

| | Percentage with access to an ITN ^a | Number of household members ^b |
|------------------------------------|---|--|
| Total | 49.5 | 182,165 |
| Geopolitical zone | | |
| North Central | 47.1 | 30,688 |
| North East | 56.5 | 36,964 |
| North West | 55.6 | 61,155 |
| South East | 40.1 | 12,708 |
| South South | 39.1 | 17,393 |
| South West | 38.6 | 23,257 |
| Residence | | |
| Urban | 43.7 | 61,430 |
| Rural | 52.5 | 120,735 |
| Wealth index quintile | | |
| Poorest | 54.8 | 36,427 |
| Second | 55.1 | 36,454 |
| Middle | 49.9 | 36,404 |
| Fourth | 46.1 | 36,449 |
| Richest | 41.7 | 36,432 |
| Ethnicity of household head | | |
| Hausa | 55.5 | 90,060 |
| Igbo | 38.3 | 18,007 |
| Yoruba | 37.8 | 21,721 |
| Other ethnic group | 47.9 | 52,376 |

^a Percentage of household population who could sleep under an ITN if each ITN in the household were used by up to two people^b The denominator is number of usual (de jure) household members and does not take into account whether household members stayed in the household last night. MICS does not collect information on visitors to the household

Table CH.16: Access to an insecticide treated net (ITN) - background characteristics (continued)

| Percentage of household population with access to an ITN in the household, Nigeria, 2016-17 | | |
|---|---|--|
| | Percentage with access to an ITN ^a | Number of household members ^b |
| Total | 49.5 | 182,165 |
| State | | |
| Abia | 46.1 | 1,826 |
| Adamawa | 46.0 | 4,379 |
| Akwa Ibom | 46.8 | 3,893 |
| Anambra | 37.7 | 2,965 |
| Bauchi | 65.6 | 8,746 |
| Bayelsa | 37.9 | 1,279 |
| Benue | 72.7 | 5,012 |
| Borno | 57.0 | 11,063 |
| Cross River | 63.8 | 3,233 |
| Delta | 31.7 | 2,921 |
| Ebonyi | 63.5 | 2,248 |
| Edo | 20.3 | 2,339 |
| Ekiti | 43.7 | 1,128 |
| Enugu | 23.9 | 2,399 |
| Gombe | 60.8 | 3,291 |
| Imo | 34.8 | 3,270 |
| Jigawa | 64.2 | 8,019 |
| Kaduna | 38.8 | 10,418 |
| Kano | 57.2 | 13,560 |
| Katsina | 59.8 | 10,941 |
| Kebbi | 52.5 | 5,391 |
| Kogi | 31.7 | 3,152 |
| Kwara | 15.1 | 2,709 |
| Lagos | 29.0 | 7,576 |
| Nasarawa | 51.2 | 3,792 |
| Niger | 49.8 | 7,954 |
| Ogun | 31.8 | 2,317 |
| Ondo | 38.1 | 3,471 |
| Osun | 35.3 | 3,257 |
| Oyo | 56.0 | 5,508 |
| Plateau | 48.4 | 6,581 |
| Rivers | 27.8 | 3,729 |
| Sokoto | 43.9 | 5,164 |
| Taraba | 34.3 | 2,974 |
| Yobe | 58.6 | 6,511 |
| Zamfara | 70.4 | 7,663 |
| FCT Abuja | 20.8 | 1,489 |

^a Percentage of household population who could sleep under an ITN if each ITN in the household were used by up to two people

^b The denominator is number of usual (de jure) household members and does not take into account whether household members stayed in the household last night. MICS does not collect information on visitors to the household

Table CH.17: Use of ITNs

Percentage of insecticide treated nets (ITNs) that were used by anyone last night, Nigeria, 2016-17

| | Percentage of ITNs used last night | Number of ITNs |
|------------------------------------|------------------------------------|----------------|
| Total | 69.1 | 53,193 |
| Geopolitical zone | | |
| North Central | 69.8 | 8,494 |
| North East | 79.8 | 11,682 |
| North West | 78.1 | 19,116 |
| South East | 48.2 | 3,509 |
| South South | 55.9 | 4,390 |
| South West | 40.2 | 6,002 |
| Residence | | |
| Urban | 63.1 | 15,751 |
| Rural | 71.6 | 37,442 |
| Wealth index quintile | | |
| Poorest | 78.3 | 11,376 |
| Second | 76.0 | 11,619 |
| Middle | 69.6 | 10,935 |
| Fourth | 63.2 | 10,180 |
| Richest | 54.4 | 9,083 |
| Ethnicity of household head | | |
| Hausa | 78.8 | 28,023 |
| Igbo | 48.5 | 4,612 |
| Yoruba | 41.5 | 5,451 |
| Other ethnic group | 67.2 | 15,107 |

Table CH.17: Use of ITNs (continued)

Percentage of insecticide treated nets (ITNs) that were used by anyone last night, Nigeria, 2016-17

| | Percentage of ITNs used last night | Number of ITNs |
|--------------|------------------------------------|----------------|
| Total | 69.1 | 53,193 |
| State | | |
| Abia | 34.7 | 612 |
| Adamawa | 79.9 | 1,141 |
| Akwa Ibom | 47.6 | 1,178 |
| Anambra | 49.6 | 756 |
| Bauchi | 74.1 | 3,277 |
| Bayelsa | 65.4 | 307 |
| Benue | 70.8 | 2,288 |
| Borno | 84.1 | 3,421 |
| Cross River | 60.6 | 1,411 |
| Delta | 57.6 | 565 |
| Ebonyi | 62.1 | 1,032 |
| Edo | 50.3 | 274 |
| Ekiti | 31.6 | 367 |
| Enugu | 59.4 | 345 |
| Gombe | 83.4 | 1,200 |
| Imo | 33.6 | 764 |
| Jigawa | 85.1 | 3,013 |
| Kaduna | 74.0 | 2,271 |
| Kano | 82.7 | 4,253 |
| Katsina | 73.8 | 3,651 |
| Kebbi | 65.1 | 1,581 |
| Kogi | 69.9 | 592 |
| Kwara | 53.9 | 220 |
| Lagos | 39.1 | 1,256 |
| Nasarawa | 72.9 | 1,140 |
| Niger | 61.6 | 2,213 |
| Ogun | 58.4 | 442 |
| Ondo | 55.8 | 835 |
| Osun | 41.6 | 747 |
| Oyo | 32.7 | 2,356 |
| Plateau | 78.9 | 1,874 |
| Rivers | 57.2 | 654 |
| Sokoto | 69.3 | 1,277 |
| Taraba | 62.6 | 579 |
| Yobe | 84.3 | 2,065 |
| Zamfara | 83.4 | 3,071 |
| FCT Abuja | 62.2 | 166 |

Table CH.18: Children sleeping under mosquito nets

Percentage of children age 0-59 months who slept under a mosquito net last night, by type of net, Nigeria, 2016-17

| | Percentage of children age 0-59 who spent last night in the interviewed households | Number of children age 0-59 months | Percentage of children under age five who the previous night slept under: | | | Number of children age 0-59 months who spent last night in the interviewed households | Percentage of children who slept under an ITN last night in households with at least one ITN | Number of children age 0-59 living in households with at least one ITN |
|------------------------------------|--|------------------------------------|---|---|--|---|--|--|
| | | | Any mosquito net | An insecticide treated net (ITN) ¹ | A Long-lasting insecticidal net (LLIN) | | | |
| Total | 99.1 | 28,085 | 50.4 | 49.1 | 48.0 | 27,842 | 67.1 | 20,359 |
| Geopolitical zone | | | | | | | | |
| North Central | 99.3 | 4,616 | 46.1 | 45.5 | 44.8 | 4,583 | 67.2 | 3,102 |
| North East | 99.1 | 6,041 | 59.1 | 58.0 | 56.0 | 5,986 | 71.0 | 4,887 |
| North West | 99.2 | 10,635 | 59.5 | 57.6 | 56.4 | 10,548 | 71.4 | 8,508 |
| South East | 99.3 | 1,550 | 29.7 | 29.3 | 28.8 | 1,540 | 52.0 | 867 |
| South South | 99.1 | 2,273 | 35.7 | 34.5 | 34.2 | 2,253 | 59.6 | 1,305 |
| South West | 98.8 | 2,968 | 28.2 | 27.6 | 27.0 | 2,934 | 47.9 | 1,691 |
| Sex | | | | | | | | |
| Male | 99.3 | 14,213 | 49.6 | 48.3 | 47.4 | 14,107 | 67.1 | 10,158 |
| Female | 99.0 | 13,872 | 51.1 | 49.9 | 48.5 | 13,735 | 67.2 | 10,202 |
| Residence | | | | | | | | |
| Urban | 98.8 | 8,553 | 43.7 | 42.9 | 42.1 | 8,450 | 62.9 | 5,766 |
| Rural | 99.3 | 19,532 | 53.2 | 51.8 | 50.5 | 19,392 | 68.8 | 14,593 |
| Age (months) | | | | | | | | |
| 0-11 | 99.4 | 5,363 | 53.8 | 52.3 | 50.9 | 5,329 | 70.9 | 3,933 |
| 12-23 | 99.2 | 5,535 | 52.2 | 50.9 | 49.7 | 5,491 | 69.1 | 4,048 |
| 24-35 | 99.1 | 5,514 | 51.7 | 50.4 | 49.4 | 5,465 | 68.3 | 4,033 |
| 36-47 | 99.0 | 5,818 | 47.9 | 46.8 | 45.8 | 5,761 | 65.5 | 4,112 |
| 48-59 | 99.0 | 5,856 | 46.6 | 45.5 | 44.3 | 5,797 | 62.3 | 4,232 |
| Mother's education | | | | | | | | |
| None | 99.2 | 8,134 | 51.4 | 50.3 | 48.5 | 8,071 | 66.8 | 6,077 |
| Non-formal | 99.2 | 6,196 | 59.6 | 57.5 | 56.5 | 6,148 | 71.3 | 4,952 |
| Primary | 99.0 | 4,330 | 49.9 | 48.9 | 48.0 | 4,285 | 68.9 | 3,040 |
| Secondary | 99.2 | 7,245 | 43.3 | 42.3 | 41.4 | 7,184 | 63.1 | 4,818 |
| Higher | 98.9 | 2,178 | 44.7 | 43.8 | 43.1 | 2,153 | 64.1 | 1,472 |
| Missing/Don't know | 100.0 | 2 | 33.8 | 33.8 | 33.8 | 2 | 100.0 | 1 |
| Wealth index quintile | | | | | | | | |
| Poorest | 99.3 | 6,369 | 54.8 | 53.2 | 51.9 | 6,322 | 68.1 | 4,938 |
| Second | 98.9 | 6,018 | 58.7 | 57.4 | 55.5 | 5,953 | 73.3 | 4,668 |
| Middle | 99.2 | 5,549 | 52.9 | 51.3 | 50.4 | 5,504 | 69.1 | 4,089 |
| Fourth | 99.3 | 5,156 | 42.9 | 42.3 | 41.6 | 5,121 | 61.2 | 3,540 |
| Richest | 99.0 | 4,993 | 39.4 | 38.4 | 37.8 | 4,942 | 60.7 | 3,124 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 99.2 | 15,592 | 58.4 | 56.9 | 55.5 | 15,470 | 70.8 | 12,431 |
| Igbo | 99.3 | 2,310 | 30.3 | 29.6 | 28.7 | 2,295 | 52.8 | 1,286 |
| Yoruba | 98.8 | 2,640 | 27.2 | 26.5 | 25.9 | 2,609 | 47.6 | 1,455 |
| Other ethnic group | 99.0 | 7,543 | 47.9 | 46.9 | 46.0 | 7,468 | 67.5 | 5,188 |

1 MICS indicator 3.18; MDG indicator 6.7 - Children under age 5 sleeping under insecticide-treated nets (ITNs)

Table CH.18: Children sleeping under mosquito nets (continued)

Percentage of children age 0-59 months who slept under a mosquito net last night, by type of net, Nigeria, 2016-17

| | Percentage of children age 0-59 who spent last night in the interviewed households | Number of children age 0-59 months | Percentage of children under age five who the previous night slept under: | | | Number of children age 0-59 months who spent last night in the interviewed households | Percentage of children who slept under an ITN last night in households with at least one ITN | Number of children age 0-59 living in households with at least one ITN |
|--------------|--|------------------------------------|---|---|--|---|--|--|
| | | | Any mosquito net | An insecticide treated net (ITN) ¹ | A Long-lasting insecticidal net (LLIN) | | | |
| Total | 99.1 | 28,085 | 50.4 | 49.1 | 48.0 | 27,842 | 67.1 | 20,359 |
| State | | | | | | | | |
| Abia | 99.6 | 224 | 23.8 | 22.8 | 22.2 | 223 | 39.8 | 128 |
| Adamawa | 99.1 | 624 | 49.1 | 48.0 | 46.9 | 618 | 64.9 | 457 |
| Akwa Ibom | 98.8 | 600 | 32.6 | 32.3 | 32.3 | 593 | 48.4 | 396 |
| Anambra | 98.7 | 383 | 27.9 | 27.2 | 26.4 | 378 | 51.2 | 201 |
| Bauchi | 99.7 | 1,524 | 58.8 | 57.9 | 54.9 | 1,520 | 67.3 | 1,307 |
| Bayelsa | 98.3 | 177 | 39.3 | 38.6 | 38.3 | 174 | 65.4 | 103 |
| Benue | 99.2 | 697 | 73.7 | 73.8 | 72.1 | 692 | 84.3 | 606 |
| Borno | 98.8 | 1,851 | 64.2 | 63.3 | 61.6 | 1,829 | 76.8 | 1,506 |
| Cross River | 99.2 | 393 | 58.4 | 58.7 | 58.6 | 390 | 75.5 | 303 |
| Delta | 99.2 | 409 | 29.4 | 26.9 | 26.3 | 406 | 54.0 | 202 |
| Ebonyi | 99.3 | 271 | 57.1 | 57.1 | 56.9 | 269 | 72.9 | 210 |
| Edo | 99.4 | 281 | 22.6 | 21.0 | 20.8 | 280 | 52.6 | 111 |
| Ekiti | 98.8 | 125 | 21.1 | 20.8 | 20.6 | 123 | 37.8 | 68 |
| Enugu | 99.4 | 268 | 27.2 | 26.7 | 26.5 | 266 | 57.7 | 123 |
| Gombe | 99.5 | 534 | 65.3 | 61.8 | 58.4 | 532 | 74.7 | 440 |
| Imo | 99.7 | 405 | 18.1 | 17.9 | 17.4 | 404 | 35.3 | 204 |
| Jigawa | 99.3 | 1,399 | 76.2 | 74.4 | 74.2 | 1,389 | 85.6 | 1,208 |
| Kaduna | 99.4 | 1,607 | 45.0 | 44.4 | 43.9 | 1,597 | 73.6 | 963 |
| Kano | 99.4 | 2,325 | 62.0 | 61.8 | 61.5 | 2,310 | 73.9 | 1,931 |
| Katsina | 99.3 | 2,066 | 59.2 | 58.6 | 57.6 | 2,051 | 65.7 | 1,829 |
| Kebbi | 98.9 | 935 | 50.7 | 44.5 | 39.7 | 925 | 56.9 | 724 |
| Kogi | 98.6 | 372 | 32.0 | 29.3 | 28.4 | 367 | 55.1 | 195 |
| Kwara | 99.9 | 358 | 12.7 | 12.7 | 12.7 | 358 | 43.6 | 104 |
| Lagos | 98.8 | 1,054 | 25.2 | 24.3 | 23.9 | 1,041 | 47.2 | 536 |
| Nasarawa | 99.7 | 607 | 53.7 | 53.3 | 52.7 | 605 | 74.3 | 434 |
| Niger | 98.8 | 1,270 | 38.6 | 37.3 | 36.7 | 1,254 | 50.2 | 932 |
| Ogun | 99.5 | 295 | 27.4 | 27.4 | 27.4 | 294 | 56.8 | 142 |
| Ondo | 99.7 | 408 | 32.8 | 31.9 | 31.0 | 407 | 56.2 | 230 |
| Osun | 96.8 | 342 | 22.6 | 22.6 | 22.6 | 331 | 42.0 | 178 |
| Oyo | 99.1 | 745 | 33.9 | 33.4 | 32.2 | 738 | 45.9 | 536 |
| Plateau | 99.6 | 1,103 | 52.1 | 52.0 | 51.5 | 1,098 | 77.5 | 737 |
| Rivers | 99.5 | 412 | 32.3 | 29.8 | 29.0 | 410 | 64.4 | 190 |
| Sokoto | 99.6 | 975 | 49.0 | 40.3 | 35.5 | 972 | 61.1 | 641 |
| Taraba | 99.1 | 422 | 31.1 | 29.5 | 26.8 | 418 | 53.4 | 231 |
| Yobe | 98.5 | 1,085 | 64.4 | 64.1 | 63.1 | 1,069 | 72.5 | 945 |
| Zamfara | 98.1 | 1,328 | 69.9 | 69.3 | 69.1 | 1,303 | 74.4 | 1,213 |
| FCT Abuja | 99.7 | 209 | 28.5 | 28.0 | 27.8 | 209 | 63.0 | 93 |

¹ MICS indicator 3.18; MDG indicator 6.7 - Children under age 5 sleeping under insecticide-treated nets (ITNs)

Table CH.19: Use of mosquito nets by the household population

Percentage of household members who slept under a mosquito net last night, by type of net, Nigeria, 2016-17

| | Percentage of household members who the previous night slept under: | | | Number of household members who spent the previous night in the interviewed households | Percentage who the previous night slept under an ITN | Number of household members in households with at least one ITN |
|------------------------------------|---|---|--|--|--|---|
| | Any mosquito net | An insecticide treated net (ITN) ¹ | A Long-lasting insecticidal treated net (LLIN) | | | |
| Total | 42.0 | 40.9 | 40.0 | 176,410 | 59.5 | 120,885 |
| Geopolitical zone | | | | | | |
| North Central | 39.4 | 38.8 | 38.3 | 29,784 | 59.8 | 19,283 |
| North East | 53.1 | 52.0 | 50.4 | 36,032 | 65.2 | 28,561 |
| North West | 51.8 | 50.1 | 48.9 | 59,198 | 64.1 | 46,184 |
| South East | 24.9 | 24.4 | 24.1 | 12,371 | 46.2 | 6,543 |
| South South | 28.7 | 27.9 | 27.5 | 16,845 | 52.6 | 8,912 |
| South West | 20.7 | 20.4 | 20.0 | 22,181 | 39.6 | 11,401 |
| Sex | | | | | | |
| Male | 39.8 | 38.8 | 38.0 | 86,778 | 56.9 | 59,070 |
| Female | 44.1 | 42.9 | 41.9 | 89,632 | 62.1 | 61,815 |
| Residence | | | | | | |
| Urban | 34.2 | 33.6 | 32.8 | 59,105 | 53.8 | 36,795 |
| Rural | 45.9 | 44.6 | 43.6 | 117,305 | 62.1 | 84,089 |
| Age (Years) | | | | | | |
| 0-4 ^a | 50.5 | 49.2 | 48.1 | 30,757 | 67.4 | 22,416 |
| 5-14 | 39.3 | 38.2 | 37.5 | 53,420 | 54.3 | 37,580 |
| 15-34 | 40.1 | 39.2 | 38.3 | 48,303 | 58.3 | 32,344 |
| 35-49 | 42.8 | 41.8 | 40.8 | 21,929 | 61.7 | 14,810 |
| 50+ | 39.9 | 38.8 | 38.0 | 21,677 | 61.8 | 13,569 |
| Missing/Don't know | 31.2 | 30.2 | 29.0 | 324 | 57.6 | 167 |
| Education of household head | | | | | | |
| None | 40.9 | 39.6 | 38.5 | 38,668 | 59.0 | 25,901 |
| Non-formal | 51.1 | 49.7 | 48.7 | 35,496 | 63.7 | 27,636 |
| Primary | 38.9 | 37.7 | 36.8 | 33,648 | 57.4 | 22,108 |
| Secondary | 38.2 | 37.4 | 36.7 | 42,249 | 58.4 | 26,962 |
| Higher | 41.2 | 40.6 | 39.8 | 26,023 | 58.4 | 18,039 |
| Missing/DK | 48.3 | 47.4 | 45.8 | 327 | 62.5 | 239 |
| Wealth index quintile | | | | | | |
| Poorest | 50.2 | 48.8 | 47.6 | 35,587 | 64.1 | 27,051 |
| Second | 50.9 | 49.4 | 48.1 | 35,297 | 65.5 | 26,578 |
| Middle | 44.1 | 42.8 | 42.1 | 35,289 | 60.9 | 24,721 |
| Fourth | 36.1 | 35.6 | 34.9 | 35,264 | 55.4 | 22,568 |
| Richest | 28.3 | 27.6 | 27.1 | 34,973 | 48.4 | 19,967 |
| Ethnicity of household head | | | | | | |
| Hausa | 51.8 | 50.4 | 49.1 | 87,555 | 64.3 | 68,471 |
| Igbo | 24.1 | 23.5 | 23.0 | 17,490 | 45.4 | 9,043 |
| Yoruba | 20.3 | 20.0 | 19.6 | 20,744 | 39.7 | 10,433 |
| Other ethnic group | 40.0 | 39.1 | 38.4 | 50,621 | 59.9 | 32,938 |

¹ MICS indicator 3.19 - Population that slept under an ITN^a The results of the age group 0-4 years do not match those in Table CH.18, which is based on completed under-5 interviews only. The two tables are computed with different sample weights

Table CH.19: Use of mosquito nets by the household population (continued)

Percentage of household members who slept under a mosquito net last night, by type of net, Nigeria, 2016-17

| | Percentage of household members who the previous night slept under: | | | Number of household members who spent the previous night in the interviewed households | Percentage who the previous night slept under an ITN | Number of household members in households with at least one ITN |
|--------------|---|---|--|--|--|---|
| | Any mosquito net | An insecticide treated net (ITN) ¹ | A Long-lasting insecticidal treated net (LLIN) | | | |
| Total | 42.0 | 40.9 | 40.0 | 176,410 | 59.5 | 120,885 |
| State | | | | | | |
| Abia | 22.1 | 20.6 | 20.2 | 1,785 | 35.0 | 1,051 |
| Adamawa | 38.7 | 37.8 | 37.0 | 4,265 | 54.8 | 2,942 |
| Akwa Ibom | 29.6 | 29.1 | 29.1 | 3,769 | 45.9 | 2,392 |
| Anambra | 24.4 | 24.1 | 23.6 | 2,880 | 47.0 | 1,476 |
| Bauchi | 55.0 | 54.1 | 51.6 | 8,641 | 63.0 | 7,423 |
| Bayelsa | 31.6 | 31.1 | 30.9 | 1,209 | 57.9 | 648 |
| Benue | 66.9 | 66.4 | 65.1 | 4,760 | 77.1 | 4,100 |
| Borno | 59.6 | 58.0 | 56.9 | 10,795 | 71.5 | 8,702 |
| Cross River | 50.6 | 50.5 | 50.5 | 3,098 | 66.4 | 2,357 |
| Delta | 24.9 | 23.2 | 22.6 | 2,830 | 50.2 | 1,304 |
| Ebonyi | 51.6 | 51.5 | 51.3 | 2,185 | 66.8 | 1,686 |
| Edo | 12.7 | 12.2 | 12.0 | 2,290 | 39.5 | 708 |
| Ekiti | 19.2 | 18.0 | 17.5 | 1,061 | 34.4 | 554 |
| Enugu | 17.4 | 16.8 | 16.8 | 2,312 | 46.3 | 839 |
| Gombe | 59.4 | 56.9 | 54.4 | 3,238 | 69.8 | 2,600 |
| Imo | 14.1 | 13.9 | 13.6 | 3,208 | 29.9 | 1,492 |
| Jigawa | 69.1 | 67.0 | 66.7 | 7,791 | 79.5 | 6,567 |
| Kaduna | 34.3 | 33.8 | 32.9 | 10,048 | 61.6 | 5,516 |
| Kano | 55.2 | 54.8 | 54.5 | 13,172 | 67.1 | 10,751 |
| Katsina | 50.0 | 49.6 | 48.6 | 10,739 | 56.2 | 9,477 |
| Kebbi | 44.2 | 39.0 | 35.0 | 5,175 | 50.3 | 4,012 |
| Kogi | 28.2 | 25.5 | 25.3 | 3,043 | 54.2 | 1,431 |
| Kwara | 8.6 | 8.6 | 8.6 | 2,665 | 34.6 | 666 |
| Lagos | 15.2 | 14.8 | 14.5 | 7,314 | 34.5 | 3,138 |
| Nasarawa | 47.3 | 47.1 | 46.6 | 3,694 | 65.5 | 2,641 |
| Niger | 32.6 | 32.0 | 31.7 | 7,678 | 44.0 | 5,574 |
| Ogun | 22.4 | 22.2 | 22.2 | 2,209 | 48.5 | 1,013 |
| Ondo | 23.6 | 23.3 | 23.1 | 3,404 | 46.6 | 1,696 |
| Osun | 18.0 | 18.0 | 18.0 | 2,966 | 35.7 | 1,490 |
| Oyo | 27.6 | 27.3 | 26.4 | 5,226 | 40.5 | 3,511 |
| Plateau | 45.7 | 45.6 | 45.2 | 6,498 | 68.2 | 4,343 |
| Rivers | 21.1 | 19.7 | 18.5 | 3,649 | 47.7 | 1,504 |
| Sokoto | 44.0 | 36.2 | 31.4 | 4,914 | 55.5 | 3,149 |
| Taraba | 25.9 | 24.7 | 23.3 | 2,797 | 46.4 | 1,488 |
| Yobe | 58.1 | 57.7 | 56.6 | 6,295 | 66.5 | 5,407 |
| Zamfara | 64.5 | 63.7 | 63.5 | 7,359 | 69.8 | 6,711 |
| FCT Abuja | 16.6 | 16.1 | 15.8 | 1,445 | 44.0 | 529 |

¹ MICS indicator 3.19 - Population that slept under an ITN^a The results of the age group 0-4 years do not match those in Table CH.18, which is based on completed under-5 interviews only. The two tables are computed with different sample weights

Table CH.20: Care-seeking during fever

Percentage of children age 0-59 months with fever in the last two weeks for whom advice or treatment was sought, by source of advice or treatment, Nigeria, 2016-17

| | Percentage of children for whom: | | | | | | Number of children with fever in last two weeks |
|------------------------------------|--------------------------------------|-------------|--|--------------|---|-------------------------------|---|
| | Advice or treatment was sought from: | | | | | | |
| | Health facilities or providers | | | Other source | A health facility or provider ^{1, b} | No advice or treatment sought | |
| | Public | Private | Community health provider ^a | | | | |
| Total | 25.0 | 28.6 | 4.3 | 16.1 | 63.4 | 32.4 | 7,124 |
| Geopolitical zone | | | | | | | |
| North Central | 22.4 | 40.3 | 1.9 | 19.5 | 71.8 | 22.0 | 824 |
| North East | 24.1 | 35.1 | 4.8 | 7.5 | 61.7 | 35.2 | 1,804 |
| North West | 29.3 | 18.8 | 5.8 | 19.9 | 62.6 | 33.5 | 3,218 |
| South East | 17.3 | 37.1 | 2.5 | 17.1 | 65.4 | 31.6 | 325 |
| South South | 16.4 | 40.3 | 0.8 | 19.1 | 67.2 | 26.6 | 510 |
| South West | 17.2 | 32.0 | 1.4 | 12.9 | 55.3 | 39.6 | 442 |
| Sex | | | | | | | |
| Male | 24.7 | 28.4 | 4.5 | 15.9 | 62.7 | 33.0 | 3,690 |
| Female | 25.3 | 28.7 | 4.2 | 16.3 | 64.2 | 31.8 | 3,434 |
| Residence | | | | | | | |
| Urban | 26.6 | 35.5 | 3.2 | 9.8 | 66.8 | 29.9 | 1,852 |
| Rural | 24.4 | 26.2 | 4.7 | 18.3 | 62.3 | 33.3 | 5,271 |
| Age (months) | | | | | | | |
| 0-11 | 24.8 | 27.6 | 3.4 | 17.0 | 62.5 | 32.6 | 1,102 |
| 12-23 | 26.3 | 25.0 | 4.9 | 16.1 | 62.3 | 34.2 | 1,524 |
| 24-35 | 26.7 | 31.0 | 3.5 | 14.8 | 66.9 | 29.4 | 1,543 |
| 36-47 | 23.1 | 28.9 | 4.8 | 16.1 | 61.7 | 34.2 | 1,507 |
| 48-59 | 23.8 | 30.1 | 4.9 | 16.8 | 63.4 | 31.8 | 1,447 |
| Mother's education | | | | | | | |
| None | 22.4 | 22.9 | 3.9 | 17.9 | 56.9 | 38.7 | 2,077 |
| Non-formal | 25.5 | 27.9 | 6.2 | 16.3 | 64.7 | 31.5 | 2,108 |
| Primary | 23.3 | 28.0 | 4.0 | 17.0 | 61.0 | 34.2 | 1,016 |
| Secondary | 26.6 | 35.3 | 3.2 | 14.6 | 69.0 | 26.8 | 1,568 |
| Higher | 34.5 | 38.3 | 1.9 | 8.4 | 76.5 | 20.9 | 353 |
| Missing/Don't know | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 1 |
| Wealth index quintile | | | | | | | |
| Poorest | 23.1 | 19.2 | 5.4 | 18.4 | 54.2 | 41.1 | 1,817 |
| Second | 24.8 | 22.0 | 4.9 | 19.2 | 60.1 | 35.6 | 1,696 |
| Middle | 22.7 | 34.3 | 3.8 | 17.3 | 67.1 | 28.0 | 1,478 |
| Fourth | 26.6 | 38.5 | 3.5 | 12.5 | 71.6 | 24.9 | 1,243 |
| Richest | 30.7 | 36.9 | 3.1 | 8.3 | 71.1 | 26.4 | 889 |
| Ethnicity of household head | | | | | | | |
| Hausa | 27.1 | 24.6 | 5.7 | 16.3 | 62.8 | 33.7 | 4,698 |
| Igbo | 21.1 | 36.3 | 1.8 | 15.1 | 67.6 | 29.8 | 457 |
| Yoruba | 17.3 | 29.8 | 1.0 | 18.1 | 56.4 | 37.0 | 399 |
| Other ethnic group | 21.8 | 37.9 | 1.9 | 15.2 | 66.0 | 28.3 | 1,571 |

¹ MICS indicator 3.20 - Care-seeking for fever^a Community health providers include both public (Community health worker and Mobile/Outreach clinic) and private (Mobile clinic) health facilities^b Includes all public and private health facilities and providers as well as shops

Table CH.20: Care-seeking during fever (continued)

Percentage of children age 0-59 months with fever in the last two weeks for whom advice or treatment was sought, by source of advice or treatment, Nigeria, 2016-17

| | Percentage of children for whom: | | | | | | Number of children with fever in last two weeks |
|--------------|--------------------------------------|-------------|--|--------------|---|-------------------------------|---|
| | Advice or treatment was sought from: | | | | | | |
| | Health facilities or providers | | | Other source | A health facility or provider ^{1, b} | No advice or treatment sought | |
| | Public | Private | Community health provider ^a | | | | |
| Total | 25.0 | 28.6 | 4.3 | 16.1 | 63.4 | 32.4 | 7,124 |
| State | | | | | | | |
| Abia | 13.6 | 46.6 | 0.9 | 4.1 | 63.0 | 36.3 | 72 |
| Adamawa | 23.4 | 22.1 | 6.8 | 9.4 | 50.6 | 46.8 | 138 |
| Akwa Ibom | 14.3 | 28.6 | 0.9 | 26.9 | 58.5 | 30.3 | 168 |
| Anambra | 12.6 | 26.2 | 0.0 | 15.9 | 49.0 | 47.6 | 59 |
| Bauchi | 25.3 | 27.5 | 1.0 | 6.2 | 52.6 | 45.5 | 453 |
| Bayelsa | 10.2 | 23.2 | 0.0 | 28.8 | 50.2 | 38.9 | 32 |
| Benue | 2.8 | 50.8 | 0.0 | 9.8 | 56.6 | 41.2 | 54 |
| Borno | 26.6 | 57.1 | 8.3 | 4.5 | 82.4 | 13.5 | 549 |
| Cross River | 17.5 | 49.3 | 1.3 | 20.2 | 76.7 | 20.2 | 114 |
| Delta | 19.6 | 34.4 | 1.3 | 12.4 | 63.3 | 33.6 | 84 |
| Ebonyi | 21.1 | 23.4 | 2.1 | 11.2 | 43.1 | 52.3 | 35 |
| Edo | (32.9) | (33.4) | (0.0) | (12.2) | (71.8) | (25.8) | 26 |
| Ekiti | (15.1) | (17.8) | (0.0) | (1.5) | (34.4) | (65.6) | 17 |
| Enugu | 18.8 | 40.7 | 3.9 | 22.8 | 71.1 | 26.7 | 47 |
| Gombe | 36.7 | 21.0 | 11.4 | 17.2 | 72.5 | 25.7 | 167 |
| Imo | 20.5 | 39.6 | 4.2 | 25.6 | 80.0 | 15.8 | 112 |
| Jigawa | 30.6 | 1.0 | 9.9 | 35.1 | 60.3 | 35.6 | 438 |
| Kaduna | 32.4 | 31.4 | 16.1 | 17.4 | 72.0 | 21.3 | 383 |
| Kano | 25.2 | 14.4 | 1.9 | 27.0 | 62.2 | 34.8 | 823 |
| Katsina | 33.5 | 15.5 | 0.9 | 9.2 | 55.4 | 42.3 | 560 |
| Kebbi | 34.3 | 11.0 | 7.3 | 23.7 | 61.0 | 35.0 | 290 |
| Kogi | 16.9 | 46.8 | 4.0 | 19.3 | 73.3 | 22.1 | 88 |
| Kwara | (29.2) | (23.9) | (0.0) | (38.9) | (89.2) | (10.8) | 26 |
| Lagos | 21.5 | 39.7 | 0.0 | 12.2 | 69.4 | 26.8 | 105 |
| Nasarawa | 29.7 | 33.1 | 2.3 | 16.2 | 75.0 | 21.5 | 104 |
| Niger | 25.4 | 38.5 | 2.7 | 25.0 | 73.2 | 17.8 | 326 |
| Ogun | 8.1 | 22.1 | 1.7 | 16.0 | 37.1 | 55.7 | 46 |
| Ondo | 23.5 | 6.6 | 0.7 | 14.2 | 38.6 | 57.3 | 67 |
| Osun | 18.1 | 23.5 | 3.5 | 15.7 | 50.0 | 45.5 | 76 |
| Oyo | 13.7 | 48.8 | 1.7 | 11.7 | 64.7 | 28.2 | 132 |
| Plateau | 18.7 | 45.9 | 0.3 | 13.4 | 71.3 | 22.7 | 178 |
| Rivers | 13.6 | 65.9 | 0.0 | 7.1 | 80.3 | 16.9 | 85 |
| Sokoto | 34.6 | 25.1 | 10.0 | 3.1 | 60.5 | 38.5 | 248 |
| Taraba | 9.2 | 28.6 | 2.0 | 23.8 | 50.4 | 38.4 | 59 |
| Yobe | 17.3 | 25.5 | 1.7 | 6.0 | 45.8 | 51.3 | 438 |
| Zamfara | 22.1 | 37.7 | 3.5 | 14.9 | 68.5 | 25.6 | 478 |
| FCT Abuja | 27.5 | 33.4 | 1.1 | 11.9 | 62.5 | 33.8 | 49 |

¹ MICS indicator 3.20 - Care-seeking for fever^a Community health providers include both public (Community health worker and Mobile/Outreach clinic) and private (Mobile clinic) health facilities^b Includes all public and private health facilities and providers as well as shops

() Sample data are based on 25-49 unweighted cases

Table CH.21: Treatment of children with fever

Percentage of children age 0-59 months who had a fever in the last two weeks, by type of medicine given for the illness, Nigeria, 2016-17

| | Children with a fever in the last two weeks who were given: | | | | | | | | | | | | | | Number of children with fever in last two weeks |
|------------------------------------|---|-------------|--------------|------------|---|---------------------|--------------------------|----------------------|-------------------------------------|------------|------------|-------------|------------|--------------|---|
| | Anti-malarials | | | | | | | Other medications | | | | | | | |
| | SP/ Fansidar | Chloroquine | Amodia-quine | Quinine | Artemisinin-based Combination Therapy (ACT) | Other anti-malarial | Antibiotic pill or syrup | Antibiotic injection | Paracetamol/ Panadol/ Acetaminophen | Aspirin | Ibuprofen | Other | Missing/DK | | |
| Total | 5.7 | 8.8 | 2.3 | 1.8 | 7.6 | 13.0 | 20.0 | 7.9 | 51.3 | 1.7 | 1.2 | 11.9 | 4.3 | 7,124 | |
| Geopolitical zone | | | | | | | | | | | | | | | |
| North Central | 4.9 | 6.8 | 2.4 | 2.1 | 8.6 | 17.7 | 18.7 | 7.7 | 50.0 | 2.1 | 1.7 | 20.2 | 3.5 | 824 | |
| North East | 6.3 | 13.1 | 1.7 | 1.0 | 3.5 | 15.5 | 23.4 | 7.5 | 59.5 | 2.0 | 0.6 | 8.5 | 2.1 | 1,804 | |
| North West | 5.7 | 7.7 | 2.1 | 2.1 | 7.1 | 9.3 | 19.2 | 9.5 | 46.5 | 1.8 | 1.3 | 9.0 | 5.4 | 3,218 | |
| South East | 5.4 | 2.4 | 4.4 | 2.8 | 13.6 | 15.2 | 16.5 | 8.0 | 49.8 | 1.4 | 1.4 | 15.2 | 7.1 | 325 | |
| South South | 5.0 | 6.9 | 3.5 | 1.7 | 10.4 | 18.9 | 17.1 | 3.0 | 55.9 | 0.8 | 0.6 | 14.4 | 6.8 | 510 | |
| South West | 4.9 | 9.5 | 3.1 | 2.3 | 18.2 | 12.5 | 20.8 | 3.3 | 51.4 | 0.9 | 3.2 | 26.2 | 1.6 | 442 | |
| Sex | | | | | | | | | | | | | | | |
| Male | 5.3 | 8.9 | 2.3 | 2.0 | 7.9 | 11.9 | 20.0 | 8.0 | 49.3 | 1.8 | 1.2 | 12.6 | 4.6 | 3,690 | |
| Female | 6.1 | 8.6 | 2.3 | 1.7 | 7.2 | 14.2 | 20.1 | 7.8 | 53.4 | 1.6 | 1.3 | 11.2 | 3.9 | 3,434 | |
| Residence | | | | | | | | | | | | | | | |
| Urban | 6.2 | 10.7 | 2.7 | 2.1 | 11.4 | 13.4 | 26.1 | 8.9 | 54.4 | 2.7 | 1.6 | 13.7 | 2.3 | 1,852 | |
| Rural | 5.5 | 8.1 | 2.1 | 1.7 | 6.2 | 12.9 | 17.9 | 7.5 | 50.2 | 1.4 | 1.1 | 11.3 | 5.0 | 5,271 | |
| Age (months) | | | | | | | | | | | | | | | |
| 0-11 | 4.0 | 7.5 | 1.3 | 1.6 | 5.4 | 10.4 | 21.5 | 5.8 | 51.2 | 1.4 | 0.7 | 13.5 | 3.7 | 1,102 | |
| 12-23 | 4.9 | 9.6 | 2.3 | 2.2 | 6.1 | 10.6 | 21.8 | 7.1 | 50.4 | 1.2 | 0.9 | 10.7 | 4.5 | 1,524 | |
| 24-35 | 7.6 | 7.1 | 3.0 | 2.2 | 8.4 | 16.0 | 21.5 | 8.6 | 52.9 | 2.3 | 1.4 | 11.9 | 4.0 | 1,543 | |
| 36-47 | 5.5 | 8.5 | 1.8 | 1.2 | 8.8 | 12.2 | 18.1 | 9.6 | 50.1 | 1.8 | 1.6 | 13.0 | 4.5 | 1,507 | |
| 48-59 | 5.8 | 11.1 | 2.8 | 2.0 | 8.5 | 15.1 | 17.4 | 7.7 | 51.8 | 1.9 | 1.4 | 10.9 | 4.5 | 1,447 | |
| Mother's education | | | | | | | | | | | | | | | |
| None | 5.1 | 7.4 | 1.8 | 1.2 | 4.6 | 10.7 | 16.8 | 6.7 | 51.4 | 1.9 | 0.7 | 10.5 | 5.1 | 2,077 | |
| Primary | 7.5 | 9.7 | 1.9 | 2.5 | 7.3 | 13.2 | 20.3 | 7.3 | 52.3 | 2.9 | 1.0 | 12.2 | 3.3 | 1,016 | |
| Non-formal | 4.3 | 9.5 | 1.7 | 1.4 | 5.3 | 13.2 | 22.1 | 10.5 | 50.1 | 1.2 | 0.8 | 8.5 | 4.2 | 2,108 | |
| Secondary | 6.6 | 8.7 | 3.7 | 2.8 | 11.1 | 15.2 | 20.4 | 5.9 | 51.7 | 1.1 | 2.2 | 16.8 | 4.6 | 1,568 | |
| Higher | 7.9 | 10.5 | 3.7 | 2.0 | 23.4 | 14.9 | 24.3 | 9.5 | 53.2 | 3.1 | 3.2 | 17.6 | 1.0 | 353 | |
| Wealth index quintile | | | | | | | | | | | | | | | |
| Poorest | 3.7 | 5.0 | 1.5 | 1.1 | 3.6 | 9.1 | 16.7 | 7.6 | 46.7 | 1.4 | 1.2 | 9.3 | 4.9 | 1,817 | |
| Second | 5.8 | 8.6 | 1.9 | 2.3 | 5.4 | 11.1 | 19.1 | 7.5 | 49.6 | 1.8 | 0.3 | 10.6 | 4.8 | 1,696 | |
| Middle | 5.1 | 10.2 | 2.5 | 1.4 | 7.0 | 17.0 | 19.6 | 8.0 | 55.3 | 2.2 | 1.0 | 11.3 | 4.0 | 1,478 | |
| Fourth | 7.9 | 13.3 | 2.6 | 1.9 | 10.1 | 14.8 | 22.4 | 9.9 | 54.9 | 1.9 | 1.7 | 14.5 | 4.5 | 1,243 | |
| Richest | 7.1 | 8.4 | 3.9 | 3.1 | 17.0 | 15.4 | 26.2 | 6.2 | 52.3 | 1.3 | 2.8 | 17.1 | 2.1 | 889 | |
| Ethnicity of household head | | | | | | | | | | | | | | | |
| Hausa | 5.3 | 9.7 | 1.8 | 1.8 | 5.9 | 11.6 | 20.3 | 8.9 | 50.5 | 1.9 | 1.2 | 9.0 | 4.4 | 4,698 | |
| Igbo | 6.1 | 4.6 | 4.6 | 2.5 | 17.1 | 14.9 | 18.6 | 6.7 | 48.5 | 1.0 | 2.3 | 14.9 | 5.8 | 457 | |
| Yoruba | 5.6 | 8.6 | 3.0 | 1.9 | 16.2 | 12.4 | 19.5 | 6.2 | 52.4 | 1.4 | 1.0 | 24.6 | 2.6 | 399 | |
| Other ethnic group | 6.6 | 7.4 | 2.8 | 1.8 | 7.5 | 16.8 | 19.9 | 5.4 | 54.4 | 1.6 | 1.0 | 16.6 | 3.9 | 1,571 | |

Table CH.21: Treatment of children with fever (continued)

Percentage of children age 0-59 months who had a fever in the last two weeks, by type of medicine given for the illness, Nigeria, 2016-17

| Children with a fever in the last two weeks who were given: | | | | | | | | | | | | | | |
|---|-----------------|-------------|------------------|------------|--|-------------------------|-----------------------------|-------------------------|--|------------|------------|--------------------------------|------------|---|
| | Anti-malarials | | | | | | Other medications | | | | | | | Number of children with fever in last two weeks |
| | SP/ Fansidar | Chloroquine | Amodia- quine | Quinine | Artemisinin- based Combination Therapy (ACT) | Other anti- malarial | Antibiotic pill or syrup | Antibiotic injection | Paracetamol / Panadol/ Acetaminop hen | Aspirin | Ibuprofen | Other Missing/Don't know | | |
| Total | 5.7 | 8.8 | 2.3 | 1.8 | 7.6 | 13.0 | 20.0 | 7.9 | 51.3 | 1.7 | 1.2 | 11.9 | 4.3 | 7,124 |
| State | | | | | | | | | | | | | | |
| Abia | 6.8 | 3.9 | 2.2 | 5.0 | 16.8 | 13.7 | 10.0 | 5.2 | 35.4 | 0.0 | 1.7 | 11.1 | 14.3 | 72 |
| Adamawa | 20.1 | 16.1 | 0.3 | 1.0 | 2.9 | 8.4 | 10.8 | 3.7 | 40.8 | 1.0 | 0.0 | 7.2 | 1.1 | 138 |
| Akwa Ibom | 1.6 | 8.0 | 1.0 | 0.0 | 3.4 | 16.1 | 11.0 | 2.0 | 50.0 | 1.0 | 0.9 | 11.3 | 7.8 | 168 |
| Anambra | 4.5 | 3.3 | 7.8 | 3.1 | 12.8 | 20.6 | 13.2 | 6.5 | 34.4 | 2.2 | 3.5 | 8.2 | 8.8 | 59 |
| Bauchi | 5.2 | 6.6 | 1.4 | 2.6 | 5.0 | 12.0 | 16.6 | 3.8 | 62.9 | 1.0 | 1.6 | 8.9 | 1.4 | 453 |
| Bayelsa | 0.0 | 6.4 | 4.0 | 3.9 | 20.6 | 15.4 | 7.8 | 2.5 | 43.7 | 1.2 | 0.8 | 9.7 | 5.4 | 32 |
| Benue | 0.0 | 1.6 | 4.1 | 7.6 | 19.0 | 8.2 | 8.9 | 1.0 | 40.6 | 0.0 | 0.0 | 25.1 | 8.5 | 54 |
| Borno | 5.7 | 26.6 | 2.1 | 0.0 | 4.0 | 27.5 | 31.1 | 13.9 | 68.8 | 1.6 | 0.0 | 12.4 | 0.0 | 549 |
| Cross River | 8.6 | 3.9 | 5.1 | 0.0 | 18.0 | 14.0 | 17.9 | 4.1 | 68.2 | 1.3 | 0.7 | 16.8 | 2.9 | 114 |
| Delta | 6.9 | 10.0 | 4.0 | 3.2 | 7.4 | 21.1 | 18.0 | 3.2 | 53.5 | 0.8 | 0.5 | 15.3 | 10.0 | 84 |
| Ebonyi | 7.7 | 0.0 | 6.4 | 3.8 | 4.0 | 15.0 | 19.7 | 4.0 | 62.1 | 1.0 | 0.0 | 7.5 | 3.9 | 35 |
| Edo | (8.7) | (1.4) | (4.6) | (9.3) | (38.3) | (7.7) | (17.3) | (10.7) | (45.6) | (0.0) | (0.0) | (19.0) | (0.0) | 26 |
| Ekiti | (5.3) | (8.5) | (6.6) | (0.0) | (7.3) | (9.1) | (16.8) | (1.9) | (55.3) | (3.4) | (3.0) | (38.2) | (5.8) | 17 |
| Enugu | 5.6 | 1.8 | 3.8 | 1.5 | 25.8 | 17.6 | 13.4 | 5.1 | 60.6 | 2.4 | 2.3 | 4.9 | 5.5 | 47 |
| Gombe | 4.2 | 5.4 | 0.6 | 1.0 | 4.5 | 15.1 | 25.4 | 11.3 | 48.9 | 0.7 | 0.0 | 11.2 | 7.8 | 167 |
| Imo | 4.3 | 1.9 | 3.6 | 1.3 | 9.7 | 12.2 | 22.7 | 12.9 | 58.6 | 1.6 | 0.0 | 28.3 | 3.3 | 112 |
| Jigawa | 3.0 | 6.4 | 1.5 | 1.0 | 2.1 | 4.4 | 13.7 | 7.6 | 45.3 | 1.1 | 3.8 | 7.0 | 9.8 | 438 |
| Kaduna | 7.2 | 8.1 | 3.8 | 8.6 | 18.8 | 11.3 | 24.9 | 8.5 | 68.2 | 3.7 | 1.1 | 8.9 | 4.6 | 383 |
| Kano | 6.5 | 6.8 | 2.5 | 2.6 | 9.1 | 13.9 | 14.5 | 6.9 | 48.4 | 1.2 | 1.7 | 10.6 | 3.6 | 823 |
| Katsina | 9.1 | 5.9 | 1.5 | 0.2 | 5.5 | 5.1 | 37.4 | 10.5 | 33.7 | 4.9 | 0.7 | 9.8 | 2.7 | 560 |
| Kebbi | 4.6 | 13.8 | 2.1 | 1.7 | 3.2 | 8.8 | 12.8 | 13.5 | 39.1 | 0.3 | 0.4 | 7.4 | 3.5 | 290 |
| Kogi | 3.6 | 4.6 | 0.8 | 0.7 | 10.2 | 18.7 | 9.7 | 5.5 | 38.7 | 7.2 | 2.7 | 12.3 | 6.6 | 88 |
| Kwara | (6.2) | (14.8) | (9.8) | (1.9) | (14.7) | (13.1) | (25.7) | (4.8) | (31.0) | (8.6) | (8.9) | (22.5) | (0.0) | 26 |
| Lagos | 2.3 | 2.7 | 3.5 | 2.3 | 41.8 | 16.3 | 45.7 | 0.6 | 54.3 | 0.0 | 10.4 | 12.9 | 0.3 | 105 |
| Nasarawa | 6.6 | 4.2 | 4.6 | 2.9 | 2.8 | 19.0 | 24.7 | 11.9 | 56.8 | 1.1 | 0.5 | 15.6 | 0.6 | 104 |
| Niger | 3.6 | 9.8 | 1.8 | 1.4 | 5.9 | 16.0 | 18.5 | 5.1 | 61.5 | 1.1 | 1.0 | 20.7 | 2.7 | 326 |
| Ogun | 4.6 | 4.8 | 10.0 | 1.7 | 13.1 | 11.4 | 9.6 | 4.1 | 36.4 | 0.0 | 0.0 | 28.0 | 0.0 | 46 |
| Ondo | 5.4 | 12.3 | 1.0 | 1.1 | 3.9 | 16.6 | 21.7 | 0.7 | 55.3 | 0.0 | 1.8 | 23.8 | 0.0 | 67 |
| Osun | 0.0 | 9.2 | 4.5 | 4.3 | 7.4 | 12.6 | 17.1 | 3.6 | 65.9 | 0.0 | 2.3 | 34.7 | 2.3 | 76 |
| Oyo | 9.7 | 15.5 | 0.0 | 2.1 | 16.0 | 8.2 | 7.2 | 6.6 | 43.5 | 2.7 | 0.0 | 31.0 | 3.1 | 132 |
| Plateau | 9.5 | 5.8 | 1.8 | 2.5 | 9.0 | 21.3 | 22.0 | 12.0 | 34.4 | 1.9 | 2.5 | 23.6 | 4.7 | 178 |
| Rivers | 5.5 | 7.9 | 5.3 | 2.7 | 4.8 | 33.5 | 30.7 | 1.4 | 61.2 | 0.0 | 0.0 | 16.5 | 9.7 | 85 |
| Sokoto | 6.4 | 6.8 | 1.9 | 1.4 | 8.3 | 8.6 | 4.9 | 7.8 | 35.6 | 0.4 | 0.0 | 7.2 | 14.9 | 248 |
| Taraba | 3.6 | 1.7 | 0.0 | 0.0 | 2.4 | 3.9 | 7.0 | 0.0 | 18.6 | 2.2 | 0.0 | 7.7 | 23.2 | 59 |
| Yobe | 5.1 | 6.6 | 2.5 | 0.6 | 1.2 | 8.1 | 26.1 | 3.9 | 59.8 | 4.1 | 0.7 | 2.8 | 0.6 | 438 |
| Zamfara | 2.0 | 9.1 | 1.3 | 0.0 | 2.2 | 10.0 | 18.0 | 14.1 | 51.9 | 0.0 | 0.2 | 9.2 | 4.5 | 478 |
| FCT Abuja | 0.3 | 2.0 | 1.7 | 1.0 | 20.1 | 23.5 | 17.8 | 12.9 | 56.1 | 0.6 | 1.7 | 22.2 | 0.4 | 49 |

() Sample data are based on 25-49 unweighted cases

Table CH.22: Diagnostics and anti-malarial treatment of children

Percentage of children age 0-59 months who had a fever in the last two weeks who had a finger or heel stick for malaria testing, who were given Artemisinin-combination Treatment (ACT) and any anti-malarial drugs, and percentage who were given ACT among those who were given anti-malarial drugs, Nigeria, 2016-17

| | Percentage of children who: | | | | | Number of children age 0-59 months with fever in the last two weeks | Treatment with Artemisinin-based Combination Therapy (ACT) among children who received anti-malarial treatment ³ | Number of children age 0-59 months with fever in the last two weeks who were given any anti-malarial drugs |
|------------------------------------|--|---|--------------------------|-------------------------------------|---|---|---|--|
| | Had blood taken from a finger or heel for testing ¹ | Were given: | | | Any antimalarial drugs same or next day | | | |
| | | Artemisinin-combination Treatment (ACT) | ACT the same or next day | Any antimalarial drugs ² | | | | |
| Total | 13.8 | 7.6 | 5.6 | 36.8 | 25.0 | 7,124 | 20.6 | 2,620 |
| Geopolitical zone | | | | | | | | |
| North Central | 20.5 | 8.6 | 6.9 | 40.8 | 30.8 | 824 | 21.1 | 337 |
| North East | 10.8 | 3.5 | 2.0 | 38.0 | 20.8 | 1,804 | 9.1 | 685 |
| North West | 13.8 | 7.1 | 5.7 | 31.9 | 23.2 | 3,218 | 22.1 | 1,027 |
| South East | 14.6 | 13.6 | 9.4 | 41.0 | 28.7 | 325 | 33.1 | 133 |
| South South | 13.6 | 10.4 | 7.3 | 44.3 | 31.6 | 510 | 23.5 | 226 |
| South West | 14.3 | 18.2 | 12.3 | 48.0 | 33.5 | 442 | 37.9 | 212 |
| Sex | | | | | | | | |
| Male | 14.0 | 7.9 | 5.7 | 36.0 | 25.0 | 3,690 | 21.8 | 1,329 |
| Female | 13.6 | 7.2 | 5.5 | 37.6 | 24.9 | 3,434 | 19.2 | 1,291 |
| Residence | | | | | | | | |
| Urban | 16.5 | 11.4 | 8.9 | 43.9 | 34.0 | 1,852 | 26.1 | 813 |
| Rural | 12.9 | 6.2 | 4.4 | 34.3 | 21.8 | 5,271 | 18.1 | 1,807 |
| Age (months) | | | | | | | | |
| 0-11 | 11.3 | 5.4 | 4.7 | 28.7 | 21.4 | 1,102 | 18.9 | 316 |
| 12-23 | 11.5 | 6.1 | 4.5 | 33.5 | 23.4 | 1,524 | 18.3 | 511 |
| 24-35 | 15.6 | 8.4 | 6.5 | 42.0 | 27.6 | 1,543 | 20.1 | 648 |
| 36-47 | 14.8 | 8.8 | 5.8 | 35.6 | 23.1 | 1,507 | 24.6 | 537 |
| 48-59 | 15.4 | 8.5 | 6.2 | 42.0 | 28.4 | 1,447 | 20.2 | 608 |
| Mother's education | | | | | | | | |
| None | 10.3 | 4.6 | 3.2 | 28.6 | 17.0 | 2,077 | 16.1 | 595 |
| Non-formal | 13.0 | 5.3 | 4.0 | 33.5 | 20.8 | 2,108 | 15.7 | 707 |
| Primary | 13.9 | 7.3 | 5.5 | 38.8 | 29.1 | 1,016 | 18.8 | 394 |
| Secondary | 15.3 | 11.1 | 7.5 | 45.5 | 33.0 | 1,568 | 24.5 | 714 |
| Higher | 33.5 | 23.4 | 20.2 | 59.3 | 49.0 | 353 | 39.5 | 210 |
| Missing/Don't know | 0.0 | 100.0 | 100.0 | 100.0 | 100.0 | 1 | 100.0 | 1 |
| Wealth index quintile | | | | | | | | |
| Poorest | 10.5 | 3.6 | 2.3 | 23.0 | 13.5 | 1,817 | 15.7 | 418 |
| Second | 12.3 | 5.4 | 4.0 | 32.4 | 20.9 | 1,696 | 16.8 | 549 |
| Middle | 14.0 | 7.0 | 5.0 | 40.9 | 25.7 | 1,478 | 17.1 | 604 |
| Fourth | 15.5 | 10.1 | 8.4 | 47.3 | 35.8 | 1,243 | 21.4 | 588 |
| Richest | 20.9 | 17.0 | 12.2 | 51.8 | 39.8 | 889 | 32.9 | 461 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 13.3 | 5.9 | 4.7 | 34.1 | 22.7 | 4,698 | 17.4 | 1,603 |
| Igbo | 16.6 | 17.1 | 10.8 | 46.7 | 31.8 | 457 | 36.7 | 213 |
| Yoruba | 12.9 | 16.2 | 12.1 | 45.4 | 34.4 | 399 | 35.7 | 181 |
| Other ethnic group | 14.9 | 7.5 | 5.1 | 39.6 | 27.4 | 1,571 | 18.9 | 622 |

¹ MICS indicator 3.21 - Malaria diagnostics usage

² MICS indicator 3.22; MDG indicator 6.8 - Anti-malarial treatment of children under age 5

³ MICS indicator 3.23 - Treatment with Artemisinin-based Combination Therapy (ACT) among children who received anti-malarial treatment

Table CH.22: Diagnostics and anti-malarial treatment of children (continued)

Percentage of children age 0-59 months who had a fever in the last two weeks who had a finger or heel stick for malaria testing, who were given Artemisinin-combination Treatment (ACT) and any anti-malarial drugs, and percentage who were given ACT among those who were given anti-malarial drugs, Nigeria, 2016-17

| | Percentage of children who: | | | | | Number of children age 0-59 months with fever in the last two weeks | Treatment with Artemisinin-based Combination Therapy (ACT) among children who received anti-malarial treatment ³ | Number of children age 0-59 months with fever in the last two weeks who were given any antimalarial drugs |
|--------------|--|--------------------------|-------------------------------------|---|-------------|---|---|---|
| | Had blood taken from a finger or heel for testing ¹ | Were given: | | | | | | |
| | Artemisinin-combination Treatment (ACT) | ACT the same or next day | Any antimalarial drugs ² | Any antimalarial drugs same or next day | | | | |
| Total | 13.8 | 7.6 | 5.6 | 36.8 | 25.0 | 7,124 | 20.6 | 2,620 |
| State | | | | | | | | |
| Abia | 14.9 | 16.8 | 16.2 | 42.5 | 34.2 | 72 | 39.6 | 30 |
| Adamawa | 15.4 | 2.9 | 1.0 | 34.5 | 26.2 | 138 | 8.4 | 47 |
| Akwa Ibom | 13.1 | 3.4 | 2.4 | 30.0 | 24.2 | 168 | (11.3) | 50 |
| Anambra | 12.6 | 12.8 | 12.8 | 52.2 | 37.1 | 59 | 24.5 | 31 |
| Bauchi | 7.9 | 5.0 | 2.6 | 32.2 | 18.0 | 453 | 15.4 | 146 |
| Bayelsa | 8.4 | 20.6 | 10.1 | 47.1 | 29.1 | 32 | (43.8) | 15 |
| Benue | 13.5 | 19.0 | 19.0 | 37.8 | 29.3 | 54 | (*) | 20 |
| Borno | 11.8 | 4.0 | 2.1 | 63.0 | 32.9 | 549 | 6.4 | 346 |
| Cross River | 19.6 | 18.0 | 13.0 | 46.8 | 33.0 | 114 | 38.4 | 53 |
| Delta | 10.8 | 7.4 | 5.0 | 47.4 | 27.5 | 84 | 15.6 | 40 |
| Ebonyi | 11.5 | 4.0 | 4.0 | 36.9 | 23.1 | 35 | (10.9) | 13 |
| Edo | (19.3) | (38.3) | (29.2) | (70.0) | (47.5) | 26 | (54.7) | 18 |
| Ekiti | (6.7) | (7.3) | (7.3) | (35.3) | (26.4) | 17 | (*) | 6 |
| Enugu | 15.6 | 25.8 | 11.0 | 51.7 | 33.4 | 47 | (49.8) | 25 |
| Gombe | 14.3 | 4.5 | 3.8 | 29.6 | 23.7 | 167 | 15.2 | 50 |
| Imo | 16.2 | 9.7 | 4.2 | 30.9 | 20.6 | 112 | (31.4) | 35 |
| Jigawa | 11.4 | 2.1 | 1.8 | 16.8 | 9.6 | 438 | 12.7 | 73 |
| Kaduna | 9.2 | 18.8 | 17.2 | 56.7 | 52.5 | 383 | 33.1 | 217 |
| Kano | 11.3 | 9.1 | 7.2 | 39.0 | 30.9 | 823 | 23.4 | 321 |
| Katsina | 17.7 | 5.5 | 4.2 | 24.5 | 15.1 | 560 | 22.5 | 137 |
| Kebbi | 23.8 | 3.2 | 2.1 | 30.9 | 18.2 | 290 | 10.4 | 90 |
| Kogi | 25.2 | 10.2 | 9.6 | 37.3 | 33.1 | 88 | 27.4 | 33 |
| Kwara | (29.7) | (14.7) | (6.2) | (60.6) | (46.0) | 26 | (*) | 16 |
| Lagos | 30.2 | 41.8 | 24.0 | 67.0 | 40.5 | 105 | 62.4 | 70 |
| Nasarawa | 26.7 | 2.8 | 1.8 | 39.5 | 29.7 | 104 | 7.1 | 41 |
| Niger | 13.1 | 5.9 | 3.4 | 35.5 | 21.8 | 326 | 16.7 | 116 |
| Ogun | 8.3 | 13.1 | 11.5 | 43.9 | 35.6 | 46 | (29.8) | 20 |
| Ondo | 11.7 | 3.9 | 3.9 | 40.1 | 23.6 | 67 | (9.6) | 27 |
| Osun | 3.8 | 7.4 | 2.4 | 36.5 | 26.8 | 76 | (20.2) | 28 |
| Oyo | 12.1 | 16.0 | 14.0 | 46.4 | 36.9 | 132 | (34.4) | 61 |
| Plateau | 31.2 | 9.0 | 8.0 | 49.4 | 43.2 | 178 | 18.2 | 88 |
| Rivers | 9.3 | 4.8 | 4.0 | 57.3 | 44.5 | 85 | (8.3) | 49 |
| Sokoto | 16.1 | 8.3 | 4.8 | 31.7 | 22.1 | 248 | 26.3 | 78 |
| Taraba | 13.9 | 2.4 | 1.5 | 10.7 | 7.2 | 59 | (*) | 6 |
| Yobe | 9.3 | 1.2 | 0.7 | 20.6 | 7.6 | 438 | 5.8 | 90 |
| Zamfara | 11.8 | 2.2 | 1.5 | 23.1 | 12.0 | 478 | 9.4 | 110 |
| FCT Abuja | 12.1 | 20.1 | 19.4 | 47.1 | 36.6 | 49 | 42.7 | 23 |

1 MICS indicator 3.21 - Malaria diagnostics usage

2 MICS indicator 3.22; MDG indicator 6.8 - Anti-malarial treatment of children under age 5

³ MICS indicator 3.23 - Treatment with Artemisinin-based Combination Therapy (ACT) among children who received anti-malarial treatment

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table CH.23: Source of anti-malarial

Percentage of children age 0-59 months with fever in the last two weeks who were given anti-malarial by the source of anti-malarial, Nigeria, 2016-17

| | Percentage of children who were given anti-malarial | Number of children age 0-59 months with fever in the last two weeks | Percentage of children for whom the source of anti-malarial was: | | | | | Number of children age 0-59 months who were given anti-malarial as treatment for fever in the last two weeks |
|------------------------------------|---|---|--|-------------|--|--------------|--|--|
| | | | Health facilities or providers | | | Other source | A health facility or provider ^b | |
| | | | Public | Private | Community health provider ^a | | | |
| Total | 36.8 | 7,124 | 35.7 | 45.9 | 6.9 | 18.3 | 98.0 | 2,620 |
| Geopolitical zone | | | | | | | | |
| North Central | 40.8 | 824 | 28.0 | 56.1 | 2.0 | 16.0 | 96.5 | 337 |
| North East | 38.0 | 1,804 | 39.6 | 53.7 | 9.5 | 6.6 | 99.3 | 685 |
| North West | 31.9 | 3,218 | 44.4 | 29.5 | 10.1 | 26.0 | 98.0 | 1,027 |
| South East | 41.0 | 325 | 20.7 | 64.6 | 1.7 | 14.7 | 98.8 | 133 |
| South South | 44.3 | 510 | 20.6 | 57.4 | 0.3 | 22.0 | 96.1 | 226 |
| South West | 48.0 | 442 | 18.9 | 60.1 | 1.3 | 21.0 | 97.9 | 212 |
| Sex | | | | | | | | |
| Male | 36.0 | 3,690 | 35.6 | 46.6 | 7.3 | 17.7 | 97.7 | 1,329 |
| Female | 37.6 | 3,434 | 35.9 | 45.2 | 6.5 | 18.9 | 98.4 | 1,291 |
| Residence | | | | | | | | |
| Urban | 43.9 | 1,852 | 35.9 | 52.5 | 5.4 | 11.6 | 98.5 | 813 |
| Rural | 34.3 | 5,271 | 35.7 | 43.0 | 7.6 | 21.3 | 97.8 | 1,807 |
| Age (months) | | | | | | | | |
| 0-11 | 28.7 | 1,102 | 38.4 | 46.8 | 2.6 | 14.4 | 99.2 | 316 |
| 12-23 | 33.5 | 1,524 | 40.4 | 38.7 | 8.3 | 20.9 | 97.2 | 511 |
| 24-35 | 42.0 | 1,543 | 34.4 | 49.9 | 5.8 | 15.8 | 97.4 | 648 |
| 36-47 | 35.6 | 1,507 | 32.7 | 46.6 | 6.8 | 20.7 | 98.1 | 537 |
| 48-59 | 42.0 | 1,447 | 34.6 | 46.7 | 9.4 | 18.7 | 98.8 | 608 |
| Mother's education | | | | | | | | |
| None | 28.6 | 2,077 | 38.1 | 39.5 | 7.7 | 22.4 | 98.5 | 595 |
| Non-formal | 33.5 | 2,108 | 36.2 | 45.0 | 11.1 | 18.8 | 98.1 | 707 |
| Primary | 38.8 | 1,016 | 37.2 | 43.9 | 6.1 | 18.6 | 97.2 | 394 |
| Secondary | 45.5 | 1,568 | 31.2 | 51.5 | 3.9 | 17.3 | 97.5 | 714 |
| Higher | 59.3 | 353 | 40.3 | 51.8 | 2.7 | 8.0 | 99.9 | 210 |
| Wealth index quintile | | | | | | | | |
| Poorest | 23.0 | 1,817 | 45.0 | 33.2 | 10.5 | 21.8 | 97.1 | 418 |
| Second | 32.4 | 1,696 | 38.1 | 35.8 | 8.7 | 26.1 | 97.9 | 549 |
| Middle | 40.9 | 1,478 | 28.4 | 52.8 | 5.7 | 18.5 | 97.2 | 604 |
| Fourth | 47.3 | 1,243 | 37.5 | 49.2 | 5.9 | 13.3 | 98.8 | 588 |
| Richest | 51.8 | 889 | 31.9 | 56.2 | 4.5 | 11.9 | 99.1 | 461 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 34.1 | 4,698 | 41.8 | 38.7 | 10.0 | 19.5 | 98.1 | 1,603 |
| Igbo | 46.7 | 457 | 25.8 | 61.0 | 1.0 | 13.2 | 98.6 | 213 |
| Yoruba | 45.4 | 399 | 20.2 | 57.0 | 0.9 | 22.7 | 98.0 | 181 |
| Other ethnic group | 39.6 | 1,571 | 28.2 | 56.1 | 2.8 | 15.7 | 97.5 | 622 |

^a Community health providers include both public (Community health worker and Mobile/Outreach clinic) and private (Mobile clinic) health facilities^b Includes all public and private health facilities and providers as well as shops

Table CH.23: Source of anti-malarial (continued)

Percentage of children age 0-59 months with fever in the last two weeks who were given anti-malarial by the source of anti-malarial, Nigeria, 2016-17

| | Percentage of children who were given anti-malarial | Number of children age 0-59 months with fever in the last two weeks | Percentage of children for whom the source of anti-malarial was: | | | | | Number of children age 0-59 months who were given anti-malarial as treatment for fever in the last two weeks | |
|--------------|---|---|--|-------------|------------|--|--------------|--|--|
| | | | Health facilities or providers | | | Community health provider ^a | Other source | | A health facility or provider ^b |
| | | | Public | Private | | | | | |
| Total | 36.8 | 7,124 | 35.7 | 45.9 | 6.9 | 18.3 | 98.0 | 2,620 | |
| State | | | | | | | | | |
| Abia | 42.5 | 72 | 16.1 | 80.7 | 2.1 | 3.2 | 100.0 | 30 | |
| Adamawa | 34.5 | 138 | 28.6 | 54.8 | 2.6 | 16.6 | 100.0 | 47 | |
| Akwa Ibom | 30.0 | 168 | 14.5 | 41.9 | 0.0 | 43.6 | 87.6 | 50 | |
| Anambra | 52.2 | 59 | (14.4) | (67.4) | (1.7) | (18.2) | (96.2) | 31 | |
| Bauchi | 32.2 | 453 | 41.9 | 45.1 | 2.4 | 13.0 | 98.4 | 146 | |
| Bayelsa | 47.1 | 32 | (12.6) | (38.2) | (1.6) | (49.2) | (93.8) | 15 | |
| Benue | 37.8 | 54 | (*) | (*) | (*) | (*) | (*) | 20 | |
| Borno | 63.0 | 549 | 38.3 | 61.7 | 14.2 | 0.0 | 100.0 | 346 | |
| Cross River | 46.8 | 114 | 26.3 | 55.2 | 0.0 | 18.5 | 98.5 | 53 | |
| Delta | 47.4 | 84 | 27.4 | 57.3 | 0.0 | 15.3 | 100.0 | 40 | |
| Ebonyi | 36.9 | 35 | (29.6) | (70.4) | (2.6) | (0.0) | (100.0) | 13 | |
| Edo | (70.0) | 26 | (30.0) | (58.9) | (1.8) | (11.1) | (100.0) | 18 | |
| Ekiti | (35.3) | 17 | (*) | (*) | (*) | (*) | (*) | 6 | |
| Enugu | 51.7 | 47 | (33.5) | (42.2) | (3.0) | (24.3) | (98.3) | 25 | |
| Gombe | 29.6 | 167 | 48.7 | 34.3 | 7.2 | 17.0 | 98.0 | 50 | |
| Imo | 30.9 | 112 | (17.9) | (61.6) | (0.0) | (20.5) | (100.0) | 35 | |
| Jigawa | 16.8 | 438 | 62.9 | 1.4 | (7.2) | 35.8 | 96.6 | 73 | |
| Kaduna | 56.7 | 383 | 44.9 | 41.4 | 30.8 | 13.7 | 97.5 | 217 | |
| Kano | 39.0 | 823 | 32.8 | 25.5 | 3.0 | 41.3 | 97.5 | 321 | |
| Katsina | 24.5 | 560 | 46.2 | 30.5 | 2.4 | 23.3 | 98.2 | 137 | |
| Kebbi | 30.9 | 290 | 51.7 | 18.9 | 6.3 | 29.4 | 97.9 | 90 | |
| Kogi | 37.3 | 88 | 31.1 | 55.7 | 5.9 | 13.2 | 98.4 | 33 | |
| Kwara | (60.6) | 26 | (*) | (*) | (*) | (*) | (*) | 16 | |
| Lagos | 67.0 | 105 | 21.4 | 60.6 | 0.7 | 18.0 | 98.0 | 70 | |
| Nasarawa | 39.5 | 104 | 32.3 | 54.9 | 3.2 | 12.8 | 99.0 | 41 | |
| Niger | 35.5 | 326 | 29.7 | 52.9 | 0.0 | 17.3 | 92.3 | 116 | |
| Ogun | 43.9 | 46 | (8.3) | (62.0) | (5.9) | (29.7) | (100.0) | 20 | |
| Ondo | 40.1 | 67 | (32.8) | (27.7) | (0.0) | (39.6) | (98.3) | 27 | |
| Osun | 36.5 | 76 | (30.7) | (45.7) | (0.0) | (23.6) | (90.7) | 28 | |
| Oyo | 46.4 | 132 | (9.2) | (79.6) | (1.5) | (11.2) | (100.0) | 61 | |
| Plateau | 49.4 | 178 | 22.4 | 65.2 | 2.1 | 12.4 | 98.3 | 88 | |
| Rivers | 57.3 | 85 | (14.2) | (81.3) | (0.0) | (4.5) | (98.4) | 49 | |
| Sokoto | 31.7 | 248 | 69.4 | 23.1 | 10.7 | 7.5 | 100.0 | 78 | |
| Taraba | 10.7 | 59 | (*) | (*) | (*) | (*) | (*) | 6 | |
| Yobe | 20.6 | 438 | 43.4 | 49.9 | 7.4 | 6.7 | 98.7 | 90 | |
| Zamfara | 23.1 | 478 | 39.3 | 48.1 | 4.6 | 12.6 | 100.0 | 110 | |
| FCT Abuja | 47.1 | 49 | 40.7 | 41.8 | 0.0 | 17.5 | 98.4 | 23 | |

^a Community health providers include both public (Community health worker and Mobile/Outreach clinic) and private (Mobile clinic) health facilities^b Includes all public and private health facilities and providers as well as shops

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table CH.24: Pregnant women sleeping under mosquito nets

Percentage of pregnant women age 15-49 years who slept under a mosquito net last night, by type of net, Nigeria, 2016-17

| | Percentage of pregnant women who spent last night in the interviewed households | Number of pregnant women age 15-49 years | Percentage of pregnant women age 15-49 years who the previous night slept under: | | | Number of pregnant women who spent last night in the interviewed households | Percentage of pregnant women who slept under an ITN last night in households with at least one ITN | Number of pregnant women age 15-49 years living in households with at least one ITN |
|------------------------------------|---|--|--|---|--|---|--|---|
| | | | Any mosquito net | An insecticide treated net (ITN) ¹ | A Long-lasting insecticidal treated net (LLIN) | | | |
| Total | 99.3 | 3,724 | 36.7 | 39.6 | 38.8 | 3,700 | 53.8 | 2,725 |
| Geopolitical zone | | | | | | | | |
| North Central | 98.9 | 622 | 31.4 | 34.6 | 34.5 | 615 | 48.5 | 440 |
| North East | 99.7 | 789 | 47.4 | 49.7 | 47.3 | 786 | 61.6 | 634 |
| North West | 99.6 | 1,577 | 45.6 | 48.7 | 47.8 | 1,571 | 60.4 | 1,267 |
| South East | 99.5 | 159 | 9.3 | 12.7 | 12.7 | 159 | 23.6 | 85 |
| South South | 99.2 | 244 | 14.1 | 17.0 | 17.0 | 242 | 33.9 | 121 |
| South West | 98.2 | 334 | 8.9 | 11.2 | 11.2 | 328 | 20.8 | 177 |
| Residence | | | | | | | | |
| Urban | 98.8 | 991 | 28.2 | 30.3 | 29.8 | 979 | 45.4 | 654 |
| Rural | 99.5 | 2,733 | 39.8 | 43.0 | 42.0 | 2,720 | 56.5 | 2,071 |
| Age (Years) | | | | | | | | |
| 15-19 | 98.7 | 416 | 39.5 | 41.1 | 39.8 | 411 | 54.9 | 307 |
| 20-24 | 99.2 | 798 | 35.8 | 39.2 | 38.3 | 792 | 54.2 | 573 |
| 25-29 | 99.4 | 938 | 35.6 | 38.9 | 38.2 | 932 | 53.6 | 677 |
| 30-34 | 99.7 | 750 | 32.4 | 35.7 | 34.9 | 748 | 48.9 | 546 |
| 35-39 | 99.5 | 479 | 38.3 | 41.3 | 41.1 | 477 | 56.1 | 351 |
| 40-44 | 98.9 | 236 | 47.5 | 48.6 | 45.7 | 233 | 60.2 | 189 |
| 45-49 | 100.0 | 106 | 43.0 | 45.3 | 44.2 | 106 | 58.8 | 82 |
| Education | | | | | | | | |
| None | 99.7 | 1,132 | 42.7 | 46.4 | 44.9 | 1,128 | 60.0 | 872 |
| Non-formal | 99.4 | 840 | 47.4 | 50.2 | 49.3 | 835 | 63.4 | 661 |
| Primary | 98.9 | 559 | 34.7 | 36.9 | 35.8 | 553 | 50.9 | 401 |
| Secondary | 99.4 | 949 | 25.2 | 27.5 | 27.3 | 943 | 40.6 | 640 |
| Higher | 98.6 | 244 | 21.5 | 25.1 | 25.1 | 240 | 40.0 | 151 |
| Wealth index quintile | | | | | | | | |
| Poorest | 99.7 | 871 | 46.1 | 49.8 | 47.8 | 868 | 63.1 | 685 |
| Second | 99.3 | 897 | 46.3 | 49.0 | 47.3 | 891 | 63.0 | 693 |
| Middle | 99.2 | 738 | 35.8 | 38.7 | 38.7 | 732 | 51.3 | 553 |
| Fourth | 99.6 | 626 | 27.8 | 30.4 | 30.3 | 623 | 44.5 | 426 |
| Richest | 98.7 | 592 | 18.9 | 21.4 | 21.4 | 585 | 33.9 | 369 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 99.8 | 2,205 | 46.1 | 49.3 | 48.2 | 2,200 | 60.9 | 1,779 |
| Igbo | 99.7 | 249 | 9.9 | 12.5 | 12.5 | 249 | 22.8 | 137 |
| Yoruba | 97.9 | 295 | 7.7 | 10.2 | 10.2 | 288 | 19.3 | 152 |
| Other ethnic group | 98.8 | 975 | 31.0 | 33.4 | 32.5 | 963 | 49.0 | 657 |

¹ MICS indicator 3.24 - Pregnant women who slept under an insecticide treated net (ITN)

Table CH.24: Pregnant women sleeping under mosquito nets (continued)

Percentage of pregnant women age 15-49 years who slept under a mosquito net last night, by type of net, Nigeria, 2016-17

| | Percentage of pregnant women who spent last night in the interviewed households | Number of pregnant women age 15-49 years | Percentage of pregnant women age 15-49 years who the previous night slept under: | | | Number of pregnant women who spent last night in the interviewed households | Percentage of pregnant women who slept under an ITN last night in households with at least one ITN | Number of pregnant women age 15-49 years living in households with at least one ITN |
|--------------|---|--|--|---|--|---|--|---|
| | | | Any mosquito net | An insecticide treated net (ITN) ¹ | A Long-lasting insecticidal treated net (LLIN) | | | |
| Total | 99.3 | 3,724 | 36.7 | 39.6 | 38.8 | 3,700 | 53.8 | 2,725 |
| State | | | | | | | | |
| Abia | 100.0 | 29 | 3.6 | 11.3 | 11.3 | 29 | (18.1) | 18 |
| Adamawa | 100.0 | 109 | 44.5 | 48.5 | 47.0 | 109 | 62.5 | 85 |
| Akwa Ibom | 100.0 | 57 | 5.4 | 15.9 | 15.9 | 57 | (27.2) | 33 |
| Anambra | (100.0) | 25 | (7.3) | (10.0) | (10.0) | 25 | (*) | 13 |
| Bauchi | 100.0 | 214 | 54.6 | 60.4 | 57.1 | 214 | 67.5 | 191 |
| Bayelsa | 97.3 | 26 | 13.3 | 11.8 | 11.8 | 25 | (30.6) | 10 |
| Benue | 99.1 | 109 | 52.8 | 57.8 | 57.8 | 108 | 63.4 | 99 |
| Borno | (100.0) | 212 | (38.1) | (38.1) | (36.0) | 212 | (50.8) | 159 |
| Cross River | 98.8 | 38 | 33.3 | 40.9 | 40.9 | 38 | (57.1) | 27 |
| Delta | 98.2 | 40 | (14.0) | (16.0) | (16.0) | 39 | (29.9) | 21 |
| Ebonyi | 97.2 | 30 | 28.0 | 29.1 | 29.1 | 29 | (45.2) | 19 |
| Edo | (100.0) | 29 | (4.0) | (4.0) | (4.0) | 29 | (*) | 7 |
| Ekiti | (97.2) | 12 | (12.4) | (12.4) | (12.4) | 12 | (*) | 6 |
| Enugu | 100.0 | 33 | 6.8 | 5.8 | 5.8 | 33 | (*) | 12 |
| Gombe | 99.1 | 62 | 56.5 | 54.9 | 53.7 | 62 | 61.2 | 55 |
| Imo | 100.0 | 42 | 3.5 | 9.4 | 9.4 | 42 | (17.0) | 23 |
| Jigawa | 99.5 | 262 | 63.1 | 63.4 | 63.4 | 261 | 72.9 | 227 |
| Kaduna | 99.8 | 241 | 21.9 | 22.5 | 22.1 | 240 | 37.7 | 144 |
| Kano | 99.5 | 315 | 47.7 | 51.1 | 50.9 | 313 | 62.3 | 257 |
| Katsina | 100.0 | 285 | 41.6 | 48.5 | 47.3 | 285 | 54.1 | 255 |
| Kebbi | 100.0 | 124 | 33.6 | 37.8 | 35.1 | 124 | 49.5 | 95 |
| Kogi | 95.7 | 35 | (9.4) | (9.4) | (9.4) | 33 | (*) | 16 |
| Kwara | 97.7 | 40 | 9.6 | 9.6 | 9.6 | 39 | (*) | 13 |
| Lagos | 96.6 | 113 | 3.2 | 4.1 | 4.1 | 109 | (8.2) | 54 |
| Nasarawa | 97.5 | 88 | 32.7 | 35.0 | 35.0 | 86 | 52.2 | 58 |
| Niger | 99.5 | 190 | 25.6 | 29.3 | 29.0 | 189 | 39.2 | 142 |
| Ogun | (100.0) | 31 | (10.3) | (10.3) | (10.3) | 31 | (*) | 14 |
| Ondo | 100.0 | 55 | 20.8 | 20.3 | 20.3 | 55 | (40.5) | 27 |
| Osun | (100.0) | 41 | (4.3) | (10.5) | (10.5) | 41 | (*) | 18 |
| Oyo | (97.7) | 82 | (9.6) | (15.3) | (15.3) | 80 | (21.4) | 57 |
| Plateau | 100.0 | 134 | 37.5 | 41.6 | 41.6 | 134 | 54.3 | 103 |
| Rivers | (100.0) | 54 | (15.7) | (11.6) | (11.6) | 54 | (*) | 24 |
| Sokoto | 100.0 | 119 | 37.2 | 41.7 | 37.6 | 119 | 60.8 | 82 |
| Taraba | 100.0 | 62 | 12.6 | 14.9 | 14.1 | 62 | (26.9) | 34 |
| Yobe | 98.4 | 130 | 65.5 | 66.6 | 62.9 | 128 | 77.0 | 110 |
| Zamfara | 98.9 | 230 | 63.5 | 66.1 | 66.1 | 227 | 72.5 | 207 |
| FCT Abuja | 98.4 | 25 | 9.0 | 8.2 | 8.2 | 25 | 20.9 | 10 |

¹ MICS indicator 3.24 - Pregnant women who slept under an insecticide treated net (ITN)

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table CH.25: Intermittent preventive treatment for malaria

Percentage of women age 15-49 years who had a live birth during the two years preceding the survey and who received intermittent preventive treatment (IPT) for malaria during pregnancy at any antenatal care visit, Nigeria, 2016-17

| | Percentage of women who received antenatal care (ANC) | Number of women with a live birth in the last two years | Percentage of pregnant women: | | | | Number of women with a live birth in the last two years and who received antenatal care | |
|------------------------------------|---|---|--|---|-------------------|----------------------------------|---|--------------|
| | | | Who took any medicine to prevent malaria at any ANC visit during pregnancy | who took SP/Fansidar at least once during an ANC visit and in total took: | | | | |
| | | | | At least once | Two or more times | Three or more times ¹ | Four or more times | |
| Total | 61.4 | 11,547 | 76.4 | 48.5 | 31.1 | 14.9 | 5.7 | 7,094 |
| Geopolitical zone | | | | | | | | |
| North Central | 60.5 | 1,770 | 71.6 | 39.6 | 26.7 | 11.9 | 5.8 | 1,070 |
| North East | 62.4 | 2,394 | 75.2 | 59.9 | 39.5 | 19.5 | 6.7 | 1,494 |
| North West | 46.6 | 4,603 | 78.1 | 59.4 | 36.5 | 19.7 | 7.3 | 2,147 |
| South East | 90.7 | 620 | 75.2 | 27.2 | 18.0 | 8.6 | 3.2 | 562 |
| South South | 79.0 | 900 | 83.5 | 40.4 | 25.4 | 8.8 | 2.6 | 711 |
| South West | 88.1 | 1,261 | 75.5 | 36.7 | 24.2 | 9.6 | 4.4 | 1,110 |
| Residence | | | | | | | | |
| Urban | 85.8 | 3,426 | 78.6 | 48.6 | 29.5 | 13.3 | 4.2 | 2,938 |
| Rural | 51.2 | 8,121 | 74.9 | 48.5 | 32.3 | 16.0 | 6.7 | 4,156 |
| Education | | | | | | | | |
| None | 43.5 | 3,208 | 70.5 | 48.9 | 29.7 | 16.5 | 7.8 | 1,394 |
| Non-formal | 38.0 | 2,560 | 79.6 | 62.7 | 38.9 | 17.0 | 5.3 | 973 |
| Primary | 67.6 | 1,716 | 73.9 | 49.8 | 35.0 | 17.7 | 6.3 | 1,160 |
| Secondary | 85.5 | 3,182 | 78.1 | 43.5 | 28.3 | 13.3 | 5.2 | 2,719 |
| Higher | 96.0 | 882 | 80.7 | 46.2 | 28.4 | 11.6 | 3.4 | 847 |
| Wealth index quintile | | | | | | | | |
| Poorest | 27.1 | 2,587 | 70.4 | 49.2 | 29.8 | 16.7 | 7.4 | 702 |
| Second | 46.6 | 2,548 | 70.1 | 49.2 | 32.5 | 15.6 | 7.4 | 1,187 |
| Middle | 66.7 | 2,270 | 75.8 | 50.4 | 34.1 | 15.8 | 6.9 | 1,514 |
| Fourth | 84.6 | 2,113 | 78.4 | 48.5 | 30.4 | 15.8 | 4.9 | 1,788 |
| Richest | 93.8 | 2,028 | 81.2 | 46.4 | 29.2 | 12.3 | 3.8 | 1,903 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 49.8 | 6,543 | 78.4 | 59.2 | 37.5 | 19.6 | 6.7 | 3,260 |
| Igbo | 91.0 | 923 | 75.5 | 32.1 | 20.1 | 9.9 | 3.5 | 839 |
| Yoruba | 86.8 | 1,096 | 75.2 | 37.5 | 23.4 | 9.8 | 4.7 | 952 |
| Other ethnic group | 68.4 | 2,985 | 74.2 | 43.4 | 29.1 | 11.9 | 5.5 | 2,043 |

¹ MICS indicator 3.25 - Intermittent preventive treatment for malaria

Table CH.25: Intermittent preventive treatment for malaria (continued)

Percentage of women age 15-49 years who had a live birth during the two years preceding the survey and who received intermittent preventive treatment (IPT) for malaria during pregnancy at any antenatal care visit, Nigeria, 2016-17

| | Percentage of pregnant women: | | | | | | | |
|--------------|---|---|--|---|-------------------|----------------------------------|--------------------|---|
| | Percentage of women who received antenatal care (ANC) | Number of women with a live birth in the last two years | Who took any medicine to prevent malaria at any ANC visit during pregnancy | who took SP/Fansidar at least once during an ANC visit and in total took: | | | | Number of women with a live birth in the last two years and who received antenatal care |
| | | | | At least once | Two or more times | Three or more times ¹ | Four or more times | |
| Total | 61.4 | 11,547 | 76.4 | 48.5 | 31.1 | 14.9 | 5.7 | 7,094 |
| State | | | | | | | | |
| Abia | 90.7 | 99 | 86.1 | 17.6 | 12.7 | 6.0 | 1.3 | 90 |
| Adamawa | 72.6 | 264 | 71.4 | 54.1 | 33.4 | 11.1 | 3.0 | 192 |
| Akwa Ibom | 80.5 | 228 | 81.6 | 48.8 | 32.4 | 8.5 | 2.4 | 183 |
| Anambra | 98.3 | 140 | 74.9 | 24.6 | 11.1 | 4.8 | 0.9 | 138 |
| Bauchi | 55.3 | 618 | 73.9 | 57.8 | 40.9 | 22.4 | 12.6 | 342 |
| Bayelsa | 61.5 | 73 | 83.0 | 57.2 | 39.2 | 17.7 | 7.3 | 45 |
| Benue | 65.4 | 271 | 51.2 | 20.9 | 11.7 | 4.8 | 1.4 | 177 |
| Borno | 85.5 | 692 | 75.2 | 65.3 | 45.3 | 23.1 | 5.0 | 592 |
| Cross River | 74.1 | 162 | 91.0 | 32.5 | 18.3 | 3.8 | 1.7 | 120 |
| Delta | 76.7 | 173 | 77.0 | 39.2 | 24.6 | 8.7 | 2.0 | 133 |
| Ebonyi | 71.2 | 111 | 66.3 | 39.5 | 30.5 | 16.6 | 3.9 | 79 |
| Edo | 90.5 | 101 | 83.7 | 63.1 | 40.7 | 18.7 | 5.5 | 91 |
| Ekiti | 83.3 | 54 | 48.0 | 25.7 | 15.3 | 5.8 | 4.2 | 45 |
| Enugu | 93.0 | 105 | 83.2 | 32.1 | 20.5 | 7.9 | 2.6 | 98 |
| Gombe | 56.1 | 236 | 77.3 | 38.2 | 23.3 | 10.9 | 2.2 | 132 |
| Imo | 95.7 | 164 | 68.9 | 25.9 | 19.2 | 10.0 | 6.2 | 157 |
| Jigawa | 41.1 | 595 | 70.3 | 61.4 | 26.5 | 15.3 | 9.4 | 244 |
| Kaduna | 66.6 | 663 | 77.3 | 52.2 | 27.3 | 20.5 | 0.8 | 441 |
| Kano | 57.6 | 1,038 | 80.3 | 67.6 | 40.6 | 16.5 | 6.0 | 598 |
| Katsina | 41.5 | 916 | 78.8 | 67.4 | 46.4 | 22.3 | 12.7 | 380 |
| Kebbi | 32.0 | 398 | 78.2 | 42.1 | 26.2 | 15.7 | 4.6 | 128 |
| Kogi | 78.3 | 133 | 73.5 | 35.9 | 30.3 | 10.4 | 5.7 | 104 |
| Kwara | 68.1 | 115 | 54.0 | 33.6 | 11.2 | 6.8 | 2.2 | 78 |
| Lagos | 91.2 | 429 | 78.2 | 39.8 | 27.5 | 8.9 | 1.8 | 391 |
| Nasarawa | 62.2 | 244 | 86.0 | 39.0 | 27.8 | 17.6 | 9.0 | 152 |
| Niger | 46.7 | 527 | 69.1 | 41.4 | 26.3 | 4.7 | 1.1 | 246 |
| Ogun | 84.7 | 132 | 79.3 | 32.2 | 26.5 | 14.6 | 7.4 | 112 |
| Ondo | 84.7 | 163 | 86.9 | 41.4 | 26.1 | 19.1 | 13.6 | 138 |
| Osun | 90.9 | 161 | 59.3 | 36.5 | 17.6 | 9.5 | 6.5 | 146 |
| Oyo | 86.3 | 322 | 77.3 | 33.8 | 22.6 | 4.7 | 1.3 | 278 |
| Plateau | 61.3 | 392 | 86.5 | 57.8 | 43.3 | 24.8 | 14.1 | 240 |
| Rivers | 85.2 | 163 | 85.7 | 17.1 | 8.8 | 4.0 | 1.0 | 139 |
| Sokoto | 33.9 | 409 | 67.4 | 26.9 | 20.5 | 9.1 | 3.4 | 139 |
| Taraba | 44.5 | 173 | 78.7 | 43.3 | 34.7 | 26.5 | 14.4 | 77 |
| Yobe | 38.6 | 410 | 79.0 | 77.5 | 37.5 | 13.7 | 4.5 | 159 |
| Zamfara | 37.0 | 583 | 88.6 | 66.4 | 53.7 | 36.3 | 16.6 | 216 |
| FCT Abuja | 82.3 | 89 | 66.9 | 32.6 | 19.5 | 7.2 | 2.4 | 73 |

¹ MICS indicator 3.25 - Intermittent preventive treatment for malaria

VII. Water and Sanitation

Use of Improved Water Sources

| Table WS.1: Use of improved water sources | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------------------|-----|-----|--------------|-----------------------|--------------------|----------------|------------------|-----------------------|----------------------------|---------------|------------------|--------------------|--------------|---------------------|---------------|----------------------------|---------------|-------|--|-----------------------------|
| Percent distribution of household population according to main source of drinking water and percentage of household population using improved drinking water sources, Nigeria, 2016 -17 | | | | | | | | | | | | | | | | | | | | | |
| | Main source of drinking water | | | | | | | | | | | | | | | | | | Total | Percentage using improved sources of drinking water ¹ | Number of household members |
| | Improved sources | | | | | | | | | Unimproved sources | | | | | | | | | | | |
| | Piped water | | | To neighbour | Public tap/stand-pipe | Tube-well/borehole | Protected well | Protected spring | Rain water collection | Bottled water ^a | Satchet water | Unprotected well | Unprotected spring | Tanker truck | Cart with tank/drum | Surface water | Bottled water ^a | Satchet water | | | |
| Into dwelling | Into yard/compound/plot | | | | | | | | | | | | | | | | | | | | |
| Total | 2.4 | 1.1 | 1.0 | 6.4 | 32.3 | 11.7 | 0.6 | 2.4 | 0.4 | 5.9 | 18.5 | 1.6 | 1.5 | 2.3 | 10.4 | 0.0 | 0.9 | 0.5 | 100.0 | 64.1 | 182,165 |
| Geopolitical zone | | | | | | | | | | | | | | | | | | | | | |
| North Central | 1.5 | 0.5 | 0.7 | 5.2 | 25.9 | 17.0 | 0.8 | 3.2 | 0.3 | 3.6 | 11.9 | 3.1 | 0.8 | 0.5 | 23.4 | 0.0 | 1.4 | 0.1 | 100.0 | 58.7 | 30,688 |
| North East | 1.7 | 1.6 | 0.7 | 9.3 | 32.8 | 4.8 | 0.3 | 0.6 | 0.0 | 0.6 | 26.1 | 1.9 | 3.2 | 6.8 | 7.9 | 0.0 | 0.2 | 1.6 | 100.0 | 52.4 | 36,964 |
| North West | 4.0 | 1.5 | 1.5 | 6.7 | 26.8 | 14.7 | 0.7 | 0.1 | 0.1 | 2.5 | 31.1 | 1.4 | 1.2 | 2.4 | 4.3 | 0.0 | 0.5 | 0.4 | 100.0 | 58.6 | 61,155 |
| South East | 0.8 | 0.4 | 1.2 | 2.5 | 52.3 | 3.1 | 1.3 | 10.0 | 0.3 | 8.2 | 1.1 | 2.7 | 3.8 | 0.8 | 9.6 | 0.0 | 1.5 | 0.4 | 100.0 | 80.1 | 12,708 |
| South South | 2.5 | 1.5 | 0.5 | 6.7 | 47.8 | 4.5 | 0.3 | 2.8 | 1.1 | 7.9 | 3.6 | 0.3 | 0.2 | 0.1 | 18.8 | 0.1 | 1.3 | 0.1 | 100.0 | 75.5 | 17,393 |
| South West | 1.0 | 0.5 | 0.9 | 4.2 | 31.6 | 17.6 | 0.5 | 5.7 | 1.6 | 23.6 | 2.4 | 0.3 | 0.5 | 0.1 | 7.2 | 0.0 | 2.1 | 0.1 | 100.0 | 87.3 | 23,257 |
| Residence | | | | | | | | | | | | | | | | | | | | | |
| Urban | 4.8 | 2.3 | 1.7 | 7.9 | 35.4 | 11.5 | 0.5 | 2.8 | 1.0 | 15.0 | 4.9 | 0.4 | 2.6 | 4.2 | 2.0 | 0.0 | 1.7 | 1.3 | 100.0 | 82.9 | 61,430 |
| Rural | 1.1 | 0.6 | 0.6 | 5.6 | 30.6 | 11.8 | 0.7 | 2.2 | 0.1 | 1.3 | 25.4 | 2.3 | 1.0 | 1.4 | 14.6 | 0.0 | 0.5 | 0.1 | 100.0 | 54.6 | 120,735 |
| Education of household head | | | | | | | | | | | | | | | | | | | | | |
| None | 1.3 | 0.7 | 0.9 | 5.3 | 29.4 | 12.2 | 0.9 | 2.4 | 0.0 | 1.4 | 25.1 | 2.1 | 0.8 | 1.5 | 15.3 | 0.0 | 0.4 | 0.2 | 100.0 | 54.6 | 39,653 |
| Non-formal | 1.6 | 0.8 | 0.8 | 7.7 | 27.5 | 10.5 | 0.6 | 0.2 | 0.0 | 0.5 | 34.3 | 2.2 | 1.9 | 3.7 | 6.6 | 0.0 | 0.1 | 0.9 | 100.0 | 50.2 | 36,506 |
| Primary | 1.2 | 0.8 | 1.0 | 6.5 | 35.6 | 11.6 | 0.7 | 3.8 | 0.1 | 4.2 | 14.8 | 2.0 | 1.6 | 1.6 | 13.7 | 0.0 | 0.8 | 0.3 | 100.0 | 65.3 | 34,678 |
| Secondary | 2.3 | 1.1 | 1.2 | 6.3 | 35.4 | 12.6 | 0.5 | 3.1 | 0.4 | 10.5 | 9.9 | 1.2 | 1.6 | 2.0 | 9.7 | 0.0 | 1.8 | 0.6 | 100.0 | 73.3 | 43,819 |
| Higher | 6.6 | 2.6 | 1.0 | 6.1 | 33.6 | 11.1 | 0.3 | 2.5 | 1.9 | 14.7 | 6.1 | 0.5 | 2.0 | 3.4 | 5.2 | 0.1 | 1.6 | 0.7 | 100.0 | 80.4 | 27,166 |
| Missing/Don't know | 0.2 | 2.9 | 0.0 | 17.8 | 30.6 | 12.4 | 0.9 | 5.5 | 0.0 | 1.8 | 13.0 | 3.7 | 0.0 | 0.0 | 10.1 | 0.0 | 0.0 | 1.2 | 100.0 | 72.1 | 344 |

Table WS.1: Use of improved water sources continued

Percent distribution of household population according to main source of drinking water and percentage of household population using improved drinking water sources, Nigeria, 2016 -17

| | Main source of drinking water | | | | | | | | | | | | | | | | | | Total | Percentage using improved sources of drinking water ¹ | Number of household members |
|------------------------------------|-------------------------------|--------------|------------|-----------------------|--------------------|----------------|------------------|-----------------------|----------------------------|--------------------|------------------|--------------------|--------------|---------------------|---------------|----------------------------|---------------|------------|--------------|--|-----------------------------|
| | Improved sources | | | | | | | | | Unimproved sources | | | | | | | | | | | |
| | Piped water | | | Public tap/stand-pipe | Tube-well/borehole | Protected well | Protected spring | Rain water collection | Bottled water ^a | Satchet water | Unprotected well | Unprotected spring | Tanker truck | Cart with tank/drum | Surface water | Bottled water ^a | Satchet water | Other | | | |
| Into dwelling | Into yard/compound/plot | To neighbour | | | | | | | | | | | | | | | | | | | |
| Total | 2.4 | 1.1 | 1.0 | 6.4 | 32.3 | 11.7 | 0.6 | 2.4 | 0.4 | 5.9 | 18.5 | 1.6 | 1.5 | 2.3 | 10.4 | 0.0 | 0.9 | 0.5 | 100.0 | 64.1 | 182,165 |
| Wealth index quintile | | | | | | | | | | | | | | | | | | | | | |
| Poorest | 0.5 | 0.3 | 0.3 | 5.1 | 22.8 | 7.8 | 0.7 | 0.2 | 0.0 | 0.0 | 42.9 | 3.2 | 0.1 | 0.1 | 15.9 | 0.0 | 0.0 | 0.0 | 100.0 | 37.7 | 36,427 |
| Second | 0.9 | 0.6 | 0.4 | 6.6 | 27.9 | 14.1 | 0.6 | 1.4 | 0.0 | 0.0 | 27.6 | 2.4 | 0.8 | 0.7 | 15.8 | 0.0 | 0.0 | 0.1 | 100.0 | 52.5 | 36,454 |
| Middle | 0.8 | 0.7 | 0.9 | 7.1 | 31.0 | 14.8 | 1.0 | 3.4 | 0.0 | 0.6 | 16.5 | 1.6 | 2.5 | 4.0 | 13.8 | 0.0 | 0.3 | 1.0 | 100.0 | 60.2 | 36,404 |
| Fourth | 2.1 | 1.0 | 2.0 | 8.9 | 41.6 | 13.8 | 0.6 | 4.4 | 0.1 | 4.3 | 4.6 | 0.9 | 2.2 | 5.6 | 5.7 | 0.0 | 1.5 | 0.7 | 100.0 | 78.9 | 36,449 |
| Richest | 7.5 | 3.1 | 1.3 | 4.3 | 38.0 | 7.9 | 0.2 | 2.5 | 2.0 | 24.6 | 0.8 | 0.1 | 2.0 | 1.4 | 0.7 | 0.1 | 2.8 | 0.8 | 100.0 | 91.3 | 36,432 |
| Ethnicity of household head | | | | | | | | | | | | | | | | | | | | | |
| Hausa | 3.2 | 1.5 | 1.3 | 7.4 | 28.9 | 10.9 | 0.6 | 0.4 | 0.1 | 1.6 | 29.1 | 1.8 | 1.9 | 3.9 | 6.0 | 0.0 | 0.4 | 0.9 | 100.0 | 55.9 | 90,060 |
| Igbo | 1.5 | 0.6 | 1.2 | 3.4 | 46.9 | 3.9 | 0.9 | 7.6 | 1.1 | 14.6 | 2.2 | 2.0 | 2.8 | 0.6 | 8.4 | 0.0 | 2.0 | 0.3 | 100.0 | 81.7 | 18,007 |
| Yoruba | 1.0 | 0.6 | 0.8 | 4.7 | 34.7 | 19.4 | 0.7 | 6.1 | 1.1 | 20.1 | 2.7 | 0.2 | 0.6 | 0.3 | 5.3 | 0.0 | 1.6 | 0.2 | 100.0 | 89.1 | 21,721 |
| Other ethnic group | 1.7 | 0.9 | 0.5 | 6.4 | 32.0 | 12.5 | 0.6 | 2.4 | 0.4 | 4.4 | 12.3 | 1.8 | 0.9 | 1.1 | 20.8 | 0.1 | 1.1 | 0.2 | 100.0 | 61.8 | 52,376 |

MICS indicator 4.1; MDG indicator 7.8 - Use of improved drinking water sources

^a Households using bottled water as the main source of drinking water are classified into improved or unimproved drinking water users according to the water source used for other purposes such as cooking and handwashing.

Table WS.1: Use of improved water sources (continued)

Percent distribution of household population according to main source of drinking water and percentage of household population using improved drinking water sources, Nigeria, 2016 -17

| | Main source of drinking water | | | | | | | | | | | | | | | | | | Percentage using improved sources of drinking water ¹ | Number of household members | | |
|---------------|-------------------------------|--------------|------------|-----------------------|--------------------|----------------|------------------|-----------------------|----------------------------|---------------|--------------------|--------------------|--------------|---------------------|---------------|----------------------------|---------------|------------|--|-----------------------------|----------------|--|
| | Improved sources | | | | | | | | | | Unimproved sources | | | | | | | | | | | |
| | Piped water | | | Public tap/stand-pipe | Tube-well/borehole | Protected well | Protected spring | Rain water collection | Bottled water ^a | Satchet water | Unprotected well | Unprotected spring | Tanker truck | Cart with tank/drum | Surface water | Bottled water ^a | Satchet water | Other | | | Total | |
| Into dwelling | Into yard/compound/plot | To neighbour | | | | | | | | | | | | | | | | | | | | |
| Total | 2.4 | 1.1 | 1.0 | 6.4 | 32.3 | 11.7 | 0.6 | 2.4 | 0.4 | 5.9 | 18.5 | 1.6 | 1.5 | 2.3 | 10.4 | 0.0 | 0.9 | 0.5 | 100.0 | 64.1 | 182,165 | |
| State | | | | | | | | | | | | | | | | | | | | | | |
| Abia | 3.1 | 0.7 | 7.1 | 0.8 | 64.0 | 0.2 | 0.5 | 2.4 | 0.6 | 4.1 | 0.0 | 0.6 | 1.4 | 0.0 | 13.7 | 0.0 | 0.6 | 0.2 | 100.0 | 83.5 | 1,826 | |
| Adamawa | 2.0 | 0.5 | 0.0 | 6.0 | 41.3 | 2.0 | 0.3 | 0.1 | 0.0 | 1.6 | 17.7 | 0.9 | 3.0 | 4.7 | 19.2 | 0.0 | 0.3 | 0.0 | 100.0 | 53.9 | 4,379 | |
| Akwa Ibom | 1.1 | 0.7 | 0.0 | 2.7 | 68.2 | 1.1 | 0.0 | 2.0 | 0.6 | 3.9 | 1.6 | 0.4 | 0.0 | 0.0 | 17.2 | 0.1 | 0.3 | 0.0 | 100.0 | 80.3 | 3,893 | |
| Anambra | 1.1 | 0.5 | 0.6 | 0.7 | 59.6 | 1.0 | 0.5 | 3.5 | 0.4 | 16.6 | 0.6 | 2.5 | 2.6 | 0.6 | 7.7 | 0.0 | 1.7 | 0.0 | 100.0 | 84.4 | 2,965 | |
| Bauchi | 1.1 | 1.5 | 0.7 | 7.4 | 40.4 | 7.2 | 0.4 | 0.7 | 0.0 | 0.8 | 32.0 | 1.5 | 1.0 | 0.5 | 4.2 | 0.0 | 0.2 | 0.5 | 100.0 | 60.2 | 8,746 | |
| Bayelsa | 0.5 | 1.3 | 0.9 | 14.5 | 20.4 | 0.9 | 0.0 | 13.4 | 0.4 | 8.3 | 3.6 | 0.0 | 0.0 | 0.1 | 33.0 | 0.0 | 2.8 | 0.0 | 100.0 | 60.6 | 1,279 | |
| Benue | 0.0 | 0.1 | 1.0 | 1.8 | 7.8 | 45.1 | 0.9 | 6.5 | 0.0 | 1.1 | 8.3 | 0.1 | 0.4 | 0.3 | 25.9 | 0.2 | 0.3 | 0.1 | 100.0 | 64.3 | 5,012 | |
| Borno | 0.0 | 2.4 | 0.8 | 11.6 | 29.4 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 21.7 | 0.4 | 4.7 | 19.0 | 2.6 | 0.0 | 0.0 | 4.7 | 100.0 | 47.0 | 11,063 | |
| Cross River | 2.4 | 1.3 | 0.4 | 3.4 | 35.2 | 7.2 | 0.4 | 2.8 | 0.0 | 0.8 | 0.5 | 0.7 | 0.5 | 0.2 | 43.8 | 0.0 | 0.3 | 0.0 | 100.0 | 53.9 | 3,233 | |
| Delta | 3.3 | 0.9 | 1.5 | 7.1 | 49.0 | 7.1 | 0.1 | 2.2 | 0.4 | 7.8 | 8.6 | 0.2 | 0.2 | 0.0 | 10.5 | 0.0 | 1.2 | 0.0 | 100.0 | 79.4 | 2,921 | |
| Ebonyi | 0.0 | 0.0 | 0.0 | 0.2 | 44.6 | 5.2 | 1.9 | 20.4 | 0.1 | 3.9 | 4.3 | 4.3 | 0.3 | 0.0 | 14.2 | 0.1 | 0.2 | 0.2 | 100.0 | 76.4 | 2,248 | |
| Edo | 4.3 | 0.4 | 0.5 | 2.0 | 55.5 | 4.9 | 0.6 | 2.9 | 0.4 | 16.5 | 0.3 | 0.0 | 0.8 | 0.0 | 10.0 | 0.0 | 0.8 | 0.0 | 100.0 | 87.9 | 2,339 | |
| Ekiti | 2.2 | 0.8 | 0.2 | 13.8 | 27.2 | 25.2 | 1.4 | 2.0 | 1.0 | 10.5 | 1.2 | 0.5 | 0.5 | 0.2 | 11.7 | 0.1 | 1.4 | 0.0 | 100.0 | 84.4 | 1,128 | |
| Enugu | 0.3 | 0.7 | 0.1 | 3.1 | 13.4 | 8.6 | 3.7 | 21.3 | 0.1 | 8.0 | 0.9 | 6.1 | 15.3 | 3.4 | 10.3 | 0.0 | 4.7 | 0.0 | 100.0 | 59.2 | 2,399 | |
| Gombe | 3.2 | 1.7 | 0.2 | 3.4 | 23.6 | 5.7 | 0.9 | 0.1 | 0.0 | 0.6 | 41.5 | 4.7 | 2.5 | 1.2 | 10.2 | 0.0 | 0.7 | 0.0 | 100.0 | 39.2 | 3,291 | |
| Imo | 0.3 | 0.0 | 0.3 | 6.1 | 72.9 | 1.1 | 0.3 | 4.8 | 0.2 | 6.2 | 0.3 | 0.6 | 0.1 | 0.0 | 5.3 | 0.0 | 0.3 | 1.1 | 100.0 | 92.2 | 3,270 | |
| Jigawa | 2.1 | 4.7 | 2.4 | 11.4 | 56.1 | 1.8 | 0.3 | 0.1 | 0.0 | 0.5 | 16.3 | 0.7 | 1.0 | 2.0 | 0.2 | 0.0 | 0.0 | 0.5 | 100.0 | 79.4 | 8,019 | |
| Kaduna | 2.2 | 0.8 | 0.1 | 1.4 | 15.9 | 30.7 | 1.0 | 0.2 | 0.2 | 8.7 | 33.4 | 1.0 | 0.4 | 1.0 | 2.0 | 0.0 | 0.9 | 0.2 | 100.0 | 61.1 | 10,418 | |
| Kano | 6.4 | 1.0 | 1.2 | 6.2 | 31.1 | 8.6 | 1.1 | 0.0 | 0.2 | 2.1 | 29.5 | 0.7 | 3.0 | 5.8 | 1.5 | 0.0 | 0.8 | 0.7 | 100.0 | 57.9 | 13,560 | |
| Katsina | 4.6 | 0.9 | 2.7 | 9.0 | 23.8 | 17.7 | 0.4 | 0.1 | 0.1 | 1.4 | 21.2 | 1.8 | 0.5 | 1.8 | 13.3 | 0.1 | 0.5 | 0.2 | 100.0 | 60.8 | 10,941 | |
| Kebbi | 3.9 | 0.8 | 0.8 | 8.9 | 12.8 | 26.3 | 1.3 | 0.0 | 0.0 | 0.5 | 39.3 | 2.7 | 0.3 | 0.2 | 2.1 | 0.0 | 0.0 | 0.0 | 100.0 | 55.3 | 5,391 | |
| Kogi | 0.3 | 0.2 | 0.4 | 7.2 | 36.6 | 13.4 | 1.3 | 7.4 | 0.3 | 3.2 | 3.1 | 1.4 | 2.7 | 0.0 | 21.3 | 0.0 | 0.7 | 0.4 | 100.0 | 70.2 | 3,152 | |
| Kwara | 0.9 | 0.7 | 0.1 | 3.4 | 61.9 | 12.3 | 0.4 | 1.3 | 0.1 | 4.7 | 3.7 | 0.4 | 1.6 | 0.1 | 8.2 | 0.0 | 0.3 | 0.0 | 100.0 | 85.8 | 2,709 | |

Table WS.1: Use of improved water sources (continued)

Percent distribution of household population according to main source of drinking water and percentage of household population using improved drinking water sources, Nigeria, 2016 -17

| | Main source of drinking water | | | | | | | | | | | | | | | | | | Total | Percentage using improved sources of drinking water ¹ | Number of household members |
|---------------|-------------------------------|--------------|------------|-----------------------|--------------------|----------------|------------------|-----------------------|----------------------------|---------------|--------------------|--------------------|--------------|---------------------|---------------|----------------------------|---------------|------------|--------------|--|-----------------------------|
| | Improved sources | | | | | | | | | | Unimproved sources | | | | | | | | | | |
| | Piped water | | | Public tap/stand-pipe | Tube-well/borehole | Protected well | Protected spring | Rain water collection | Bottled water ^a | Satchet water | Unprotected well | Unprotected spring | Tanker truck | Cart with tank/drum | Surface water | Bottled water ^a | Satchet water | Other | | | |
| Into dwelling | Into yard/compound/plot | To neighbour | | | | | | | | | | | | | | | | | | | |
| Total | 2.4 | 1.1 | 1.0 | 6.4 | 32.3 | 11.7 | 0.6 | 2.4 | 0.4 | 5.9 | 18.5 | 1.6 | 1.5 | 2.3 | 10.4 | 0.0 | 0.9 | 0.5 | 100.0 | 64.1 | 182,165 |
| Lagos | 1.7 | 1.0 | 1.3 | 2.3 | 35.6 | 1.5 | 0.0 | 0.2 | 4.3 | 45.6 | 0.7 | 0.0 | 0.8 | 0.2 | 0.0 | 0.1 | 4.6 | 0.0 | 100.0 | 93.6 | 7,576 |
| Nasarawa | 0.2 | 0.1 | 0.1 | 0.7 | 29.1 | 16.9 | 2.2 | 3.7 | 0.1 | 1.6 | 16.4 | 4.9 | 0.7 | 0.3 | 22.6 | 0.0 | 0.2 | 0.0 | 100.0 | 54.8 | 3,792 |
| Niger | 1.7 | 0.2 | 0.7 | 8.4 | 27.8 | 8.4 | 0.2 | 2.3 | 0.0 | 3.1 | 14.4 | 4.2 | 0.3 | 0.6 | 26.9 | 0.0 | 0.7 | 0.0 | 100.0 | 52.9 | 7,954 |
| Ogun | 0.7 | 0.9 | 3.1 | 5.2 | 49.5 | 11.0 | 0.4 | 2.1 | 0.4 | 15.2 | 3.8 | 0.2 | 0.1 | 0.0 | 7.1 | 0.0 | 0.2 | 0.0 | 100.0 | 88.6 | 2,317 |
| Ondo | 0.3 | 0.0 | 0.1 | 2.9 | 25.9 | 27.9 | 0.9 | 11.0 | 0.4 | 10.1 | 2.4 | 0.7 | 0.0 | 0.1 | 16.8 | 0.0 | 0.4 | 0.0 | 100.0 | 79.6 | 3,471 |
| Osun | 0.5 | 0.5 | 1.0 | 7.0 | 29.8 | 28.2 | 0.4 | 10.0 | 0.0 | 11.0 | 2.8 | 0.4 | 0.0 | 0.0 | 6.4 | 0.0 | 2.0 | 0.0 | 100.0 | 88.5 | 3,257 |
| Oyo | 0.4 | 0.0 | 0.0 | 3.8 | 23.9 | 28.2 | 1.0 | 9.7 | 0.1 | 15.6 | 4.1 | 0.2 | 0.9 | 0.2 | 10.6 | 0.1 | 0.8 | 0.4 | 100.0 | 82.8 | 5,508 |
| Plateau | 2.5 | 1.0 | 0.9 | 5.4 | 12.7 | 12.8 | 0.8 | 0.4 | 0.6 | 5.8 | 19.3 | 5.6 | 0.0 | 0.4 | 27.5 | 0.0 | 4.4 | 0.0 | 100.0 | 42.9 | 6,581 |
| Rivers | 3.1 | 3.5 | 0.2 | 13.7 | 40.8 | 4.8 | 0.4 | 0.5 | 3.7 | 12.7 | 6.4 | 0.4 | 0.0 | 0.1 | 5.8 | 0.2 | 3.1 | 0.6 | 100.0 | 83.5 | 3,729 |
| Sokoto | 3.7 | 0.6 | 2.0 | 10.9 | 11.4 | 2.7 | 0.2 | 0.0 | 0.0 | 1.2 | 62.0 | 0.6 | 0.7 | 1.4 | 1.7 | 0.0 | 0.4 | 0.7 | 100.0 | 32.6 | 5,164 |
| Taraba | 2.9 | 0.4 | 1.9 | 1.1 | 11.5 | 13.0 | 1.2 | 4.6 | 0.3 | 1.4 | 20.2 | 7.2 | 1.9 | 0.7 | 31.6 | 0.0 | 0.2 | 0.0 | 100.0 | 38.2 | 2,974 |
| Yobe | 3.7 | 1.4 | 0.6 | 16.9 | 37.4 | 2.9 | 0.2 | 0.0 | 0.0 | 0.1 | 26.3 | 1.7 | 4.5 | 1.5 | 2.4 | 0.0 | 0.0 | 0.5 | 100.0 | 63.2 | 6,511 |
| Zamfara | 3.5 | 1.8 | 1.1 | 2.5 | 27.6 | 13.1 | 0.3 | 0.6 | 0.0 | 1.0 | 33.7 | 3.3 | 1.5 | 1.8 | 7.4 | 0.1 | 0.3 | 0.4 | 100.0 | 51.5 | 7,663 |
| FCT Abuja | 7.3 | 2.8 | 1.9 | 9.9 | 39.4 | 2.0 | 0.0 | 1.5 | 2.1 | 8.6 | 0.6 | 0.5 | 3.7 | 3.9 | 12.6 | 0.0 | 2.6 | 0.6 | 100.0 | 75.6 | 1,489 |

¹ MICS indicator 4.1; MDG indicator 7.8 - Use of improved drinking water sources

^a Households using bottled water as the main source of drinking water are classified into improved or unimproved drinking water users according to the water source used for other purposes such as cooking and handwashing

Table WS.2: Household water treatment

Percentage of household population by drinking water treatment method used in the household, and for household members living in households where an unimproved drinking water source is used, the percentage who are using an appropriate treatment method, Nigeria, 2016-17

| | Water treatment method used in the household | | | | | | | | | | Percentage of household members in households using unimproved drinking water sources and using an appropriate water treatment method ¹ | | Number of household members in households using unimproved drinking water sources |
|--------------------------------------|--|------------|---|------------------|---------------------|-------------------------|------------|------------------|------------|-----------------------------|--|------------|---|
| | None | Boil | Add bleach / Strain chlorine / through Waterguard a cloth | Use water filter | Solar dis-infection | Let it stand and settle | Add alum | Add water tablet | Other | Number of household members | Percentage of household members in households using unimproved drinking water sources and using an appropriate water treatment method ¹ | | |
| Total | 88.5 | 2.4 | 1.6 | 3.9 | 0.9 | 0.0 | 1.4 | 2.3 | 0.2 | 0.5 | 182,165 | 2.3 | 65,339 |
| Geopolitical zone | | | | | | | | | | | | | |
| North Central | 88.1 | 2.3 | 1.4 | 3.9 | 1.0 | 0.0 | 1.5 | 3.4 | 0.2 | 0.3 | 30,688 | 1.9 | 12,689 |
| North East | 93.4 | 0.5 | 0.7 | 4.2 | 0.5 | 0.0 | 0.2 | 0.7 | 0.3 | 0.1 | 36,964 | 1.6 | 17,602 |
| North West | 88.9 | 1.3 | 0.7 | 5.6 | 0.9 | 0.0 | 2.2 | 1.8 | 0.2 | 0.1 | 61,155 | 1.9 | 25,301 |
| South East | 89.4 | 5.5 | 1.3 | 1.0 | 2.1 | 0.2 | 1.1 | 1.1 | 0.1 | 0.4 | 12,708 | 6.2 | 2,527 |
| South South | 86.7 | 5.1 | 1.7 | 1.3 | 1.4 | 0.1 | 1.3 | 2.9 | 0.3 | 0.9 | 17,393 | 5.1 | 4,261 |
| South West | 81.2 | 4.7 | 5.6 | 2.4 | 0.3 | 0.0 | 1.0 | 5.0 | 0.2 | 2.0 | 23,257 | 3.7 | 2,959 |
| Residence | | | | | | | | | | | | | |
| Urban | 86.6 | 4.1 | 3.3 | 2.9 | 0.9 | 0.0 | 1.1 | 2.4 | 0.4 | 0.8 | 61,430 | 4.6 | 10,518 |
| Rural | 89.5 | 1.5 | 0.7 | 4.4 | 0.9 | 0.0 | 1.5 | 2.3 | 0.1 | 0.3 | 120,735 | 1.8 | 54,821 |
| Main source of drinking water | | | | | | | | | | | | | |
| Improved | 88.6 | 3.3 | 2.2 | 3.0 | 0.9 | 0.0 | 1.0 | 1.8 | 0.2 | 0.6 | 116,826 | | |
| Unimproved | 88.4 | 0.8 | 0.5 | 5.5 | 0.9 | 0.0 | 2.0 | 3.2 | 0.2 | 0.3 | 65,339 | 2.3 | 65,339 |
| Education of household head | | | | | | | | | | | | | |
| None | 92.5 | 1.0 | 0.3 | 3.6 | 0.7 | 0.0 | 1.2 | 1.6 | 0.2 | 0.2 | 39,653 | 1.8 | 18,014 |
| Non-formal | 92.2 | 0.7 | 0.1 | 4.1 | 0.6 | 0.0 | 1.5 | 1.2 | 0.2 | 0.2 | 36,506 | 1.3 | 18,188 |
| Primary | 87.7 | 2.4 | 1.3 | 4.1 | 0.8 | 0.0 | 1.4 | 2.9 | 0.1 | 0.5 | 34,678 | 2.4 | 12,018 |
| Secondary | 86.2 | 3.2 | 2.2 | 4.0 | 1.0 | 0.0 | 1.3 | 2.8 | 0.1 | 0.8 | 43,819 | 2.4 | 11,704 |
| Higher | 82.6 | 5.4 | 4.7 | 3.5 | 1.5 | 0.1 | 1.4 | 3.3 | 0.4 | 0.6 | 27,166 | 6.7 | 5,319 |
| Missing/Don't know | 87.5 | 1.0 | 0.0 | 7.8 | 0.0 | 0.0 | 1.0 | 3.6 | 0.0 | 0.0 | 344 | 0.0 | 96 |
| Wealth index quintile | | | | | | | | | | | | | |
| Poorest | 93.8 | 0.3 | 0.1 | 4.1 | 0.4 | 0.0 | 0.7 | 0.9 | 0.0 | 0.0 | 36,427 | 0.8 | 22,691 |
| Second | 90.0 | 0.7 | 0.2 | 5.6 | 0.8 | 0.0 | 1.6 | 2.0 | 0.0 | 0.3 | 36,454 | 1.5 | 17,298 |
| Middle | 87.1 | 1.2 | 0.9 | 5.0 | 1.1 | 0.0 | 2.4 | 3.4 | 0.2 | 0.3 | 36,404 | 3.5 | 14,484 |
| Fourth | 88.1 | 2.5 | 1.9 | 3.0 | 0.9 | 0.0 | 1.0 | 3.1 | 0.3 | 0.8 | 36,449 | 4.4 | 7,697 |
| Richest | 83.6 | 7.3 | 4.8 | 1.7 | 1.2 | 0.1 | 1.1 | 2.3 | 0.4 | 0.9 | 36,432 | 6.2 | 3,169 |
| Ethnicity of household head | | | | | | | | | | | | | |
| Hausa | 91.5 | 1.1 | 0.7 | 4.0 | 0.7 | 0.0 | 1.6 | 1.5 | 0.3 | 0.1 | 90,060 | 1.6 | 39,673 |
| Igbo | 88.5 | 6.4 | 1.6 | 1.3 | 1.7 | 0.1 | 0.9 | 1.1 | 0.1 | 0.6 | 18,007 | 5.7 | 3,295 |
| Yoruba | 81.2 | 4.1 | 5.8 | 2.3 | 0.4 | 0.0 | 1.4 | 5.5 | 0.3 | 2.0 | 21,721 | 5.3 | 2,369 |
| Other ethnic group | 86.4 | 2.6 | 1.4 | 5.3 | 1.2 | 0.0 | 1.1 | 2.9 | 0.1 | 0.4 | 52,376 | 2.6 | 20,002 |

¹ MICS indicator 4.2 - Water treatment

na: not applicable

Table WS.2: Household water treatment (continued)

Percentage of household population by drinking water treatment method used in the household, and for household members living in households where an unimproved drinking water source is used, the percentage who are using an appropriate treatment method, Nigeria, 2016-17

| | Water treatment method used in the household | | | | | | | | | | | Number of household members using an appropriate water treatment method ¹ | Percentage of household members in unimproved drinking water sources and using an appropriate water treatment method ¹ | Number of household members in unimproved drinking water sources |
|--------------|--|------------|--|------------------------------|------------------------|-------------------------|----------------------------------|-------------|------------------------|------------|------------|--|---|--|
| | None | Boil | Add bleach/ chlorine /Waterguard | Strain through a cloth | Use water filter | Solar dis- infection | Let it stand and settle | Add alum | Add water tablet | Other | Missing/DK | | | |
| Total | 88.5 | 2.4 | 1.6 | 3.9 | 0.9 | 0.0 | 1.4 | 2.3 | 0.2 | 0.5 | 0.0 | 182,165 | 2.3 | 65,339 |
| State | | | | | | | | | | | | | | |
| Abia | 87.9 | 8.7 | 1.4 | 1.1 | 1.3 | 0.1 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 1,826 | 6.1 | 301 |
| Adamawa | 95.9 | 1.3 | 1.5 | 0.8 | 0.3 | 0.1 | 0.0 | 0.5 | 0.2 | 0.5 | 0.0 | 4,379 | 1.3 | 2,019 |
| Akwa Ibom | 87.2 | 6.8 | 2.4 | 0.4 | 0.4 | 0.5 | 0.1 | 0.4 | 0.7 | 2.0 | 0.0 | 3,893 | 4.6 | 767 |
| Anambra | 95.7 | 3.2 | 0.9 | 0.1 | 0.5 | 0.0 | 0.0 | 0.2 | 0.0 | 0.3 | 0.0 | 2,965 | 2.4 | 461 |
| Bauchi | 97.6 | 0.4 | 0.8 | 0.2 | 0.4 | 0.0 | 0.2 | 0.4 | 0.0 | 0.0 | 0.0 | 8,746 | 1.4 | 3,479 |
| Bayelsa | 59.4 | 4.2 | 2.3 | 0.8 | 0.6 | 0.0 | 4.1 | 29.6 | 0.5 | 3.5 | 0.0 | 1,279 | 6.0 | 504 |
| Benue | 75.2 | 1.1 | 3.3 | 17.4 | 3.3 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 5,012 | 5.7 | 1,788 |
| Borno | 92.0 | 0.0 | 0.8 | 6.6 | 0.1 | 0.0 | 0.0 | 0.2 | 0.9 | 0.0 | 0.0 | 11,063 | 1.7 | 5,868 |
| Cross River | 84.2 | 3.7 | 1.3 | 5.9 | 4.5 | 0.0 | 2.1 | 0.7 | 0.2 | 0.2 | 0.0 | 3,233 | 6.9 | 1,490 |
| Delta | 92.0 | 3.2 | 1.6 | 0.1 | 0.2 | 0.0 | 0.6 | 2.9 | 0.0 | 0.3 | 0.1 | 2,921 | 3.1 | 601 |
| Ebonyi | 83.3 | 1.7 | 1.6 | 3.7 | 5.1 | 0.5 | 4.4 | 4.0 | 0.0 | 1.1 | 0.0 | 2,248 | 12.1 | 531 |
| Edo | 95.6 | 1.4 | 1.8 | 0.1 | 0.5 | 0.1 | 0.0 | 0.4 | 0.3 | 0.0 | 0.0 | 2,339 | 2.7 | 282 |
| Ekiti | 72.8 | 2.7 | 4.4 | 3.0 | 0.5 | 0.0 | 0.3 | 16.7 | 0.2 | 3.5 | 0.9 | 1,128 | 5.2 | 176 |
| Enugu | 90.1 | 4.3 | 0.8 | 1.0 | 1.5 | 0.0 | 0.6 | 1.8 | 0.0 | 0.9 | 0.0 | 2,399 | 5.5 | 978 |
| Gombe | 91.5 | 1.7 | 0.4 | 5.1 | 0.3 | 0.0 | 0.3 | 1.9 | 0.0 | 0.0 | 0.0 | 3,291 | 2.8 | 2,001 |
| Imo | 88.1 | 9.4 | 1.6 | 0.1 | 2.2 | 0.2 | 0.4 | 0.1 | 0.3 | 0.0 | 0.0 | 3,270 | 3.4 | 255 |
| Jigawa | 94.1 | 1.6 | 0.0 | 3.4 | 0.7 | 0.0 | 1.0 | 0.3 | 0.0 | 0.0 | 0.0 | 8,019 | 1.6 | 1,651 |
| Kaduna | 79.5 | 2.3 | 2.4 | 7.2 | 3.0 | 0.0 | 7.6 | 2.6 | 0.8 | 0.1 | 0.0 | 10,418 | 7.0 | 4,048 |
| Kano | 91.1 | 0.7 | 0.7 | 3.6 | 0.1 | 0.0 | 1.7 | 3.0 | 0.1 | 0.1 | 0.0 | 13,560 | 0.7 | 5,706 |
| Katsina | 92.3 | 0.7 | 0.0 | 6.2 | 0.5 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.1 | 10,941 | 0.7 | 4,293 |
| Kebbi | 89.6 | 2.1 | 0.6 | 4.7 | 1.2 | 0.0 | 0.6 | 1.5 | 0.2 | 0.1 | 0.0 | 5,391 | 1.4 | 2,407 |

Table WS.2: Household water treatment (continued)

Percentage of household population by drinking water treatment method used in the household, and for household members living in households where an unimproved drinking water source is used, the percentage who are using an appropriate treatment method, Nigeria, 2016-17

| State | Water treatment method used in the household | | | | | | | | | | | Percentage of household members in households using unimproved drinking water sources and using an appropriate treatment method ¹ | Number of household members in households using unimproved drinking water sources | | |
|-----------|--|------|------------------------------------|------------------------------|------------------------|----------------------------|----------------------------------|-------------|------------------------|-------|------------|--|---|-----|-------|
| | None | Boil | Add bleach/ chlorine/Waterguard | Strain through a cloth | Use water filter | Solar dis- infection | Let it stand and settle | Add alum | Add water tablet | Other | Missing/DK | | | | |
| Kogi | 85.7 | 1.1 | | 1.3 | 1.6 | 0.5 | 0.0 | 0.0 | 11.5 | 0.3 | 0.5 | 0.0 | 3,152 | 1.7 | 938 |
| Kwara | 90.4 | 0.2 | | 2.0 | 0.7 | 0.7 | 0.0 | 5.4 | 3.6 | 0.6 | 0.0 | 0.0 | 2,709 | 0.0 | 385 |
| Lagos | 84.5 | 10.5 | | 4.8 | 0.4 | 0.6 | 0.1 | 0.3 | 0.8 | 0.2 | 0.2 | 0.0 | 7,576 | 5.7 | 486 |
| Nasarawa | 93.9 | 1.7 | | 0.4 | 1.5 | 0.2 | 0.0 | 0.4 | 2.4 | 0.0 | 0.1 | 0.0 | 3,792 | 0.3 | 1,713 |
| Niger | 92.5 | 2.5 | | 0.1 | 1.4 | 1.0 | 0.0 | 0.7 | 2.8 | 0.4 | 0.6 | 0.0 | 7,954 | 1.8 | 3,745 |
| Ogun | 88.7 | 3.2 | | 2.5 | 0.9 | 0.5 | 0.0 | 2.0 | 2.9 | 0.0 | 0.6 | 0.0 | 2,317 | 0.9 | 264 |
| Ondo | 79.8 | 0.9 | | 9.1 | 1.7 | 0.3 | 0.0 | 0.1 | 6.7 | 0.2 | 1.3 | 1.2 | 3,471 | 2.5 | 709 |
| Osun | 78.6 | 2.9 | | 5.9 | 2.8 | 0.1 | 0.0 | 0.1 | 8.5 | 0.7 | 4.2 | 0.2 | 3,257 | 4.2 | 375 |
| Oyo | 77.6 | 1.5 | | 5.8 | 6.0 | 0.1 | 0.0 | 3.0 | 6.1 | 0.0 | 4.1 | 0.0 | 5,508 | 4.0 | 948 |
| Plateau | 87.8 | 4.6 | | 2.0 | 1.2 | 0.2 | 0.0 | 3.5 | 3.1 | 0.1 | 0.2 | 0.0 | 6,581 | 1.0 | 3,757 |
| Rivers | 87.9 | 8.7 | | 0.9 | 0.4 | 1.6 | 0.0 | 2.2 | 0.0 | 0.0 | 0.4 | 0.0 | 3,729 | 3.9 | 617 |
| Sokoto | 86.5 | 0.9 | | 0.5 | 9.8 | 0.1 | 0.0 | 1.8 | 1.1 | 0.0 | 0.1 | 0.1 | 5,164 | 0.8 | 3,481 |
| Taraba | 94.4 | 1.0 | | 0.1 | 2.0 | 0.3 | 0.0 | 0.4 | 2.3 | 0.0 | 0.0 | 0.0 | 2,974 | 0.6 | 1,838 |
| Yobe | 89.1 | 0.3 | | 0.1 | 8.6 | 1.6 | 0.0 | 0.7 | 0.5 | 0.0 | 0.0 | 0.0 | 6,511 | 2.0 | 2,396 |
| Zamfara | 88.7 | 1.1 | | 0.7 | 5.7 | 0.9 | 0.0 | 1.9 | 2.2 | 0.0 | 0.2 | 0.0 | 7,663 | 0.9 | 3,714 |
| FCT Abuja | 95.9 | 2.4 | | 1.5 | 0.3 | 0.2 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 1,489 | 2.5 | 363 |

¹ MICS indicator 4.2 - Water treatment

na: not applicable

Table WS.3: Time to source of drinking water

Percent distribution of household population according to time to go to source of drinking water, get water and return, for users of improved and unimproved drinking water sources, Nigeria, 2016-17

| | Time to source of drinking water | | | | | | | | Total | Number of household members |
|------------------------------------|--|----------------------|--------------------|---------------------|--|----------------------|--------------------|---------------------|--------------|-----------------------------|
| | Users of improved drinking water sources | | | | Users of unimproved drinking water sources | | | | | |
| | Water on premises | Less than 30 minutes | 30 minutes or more | Missing /Don't know | Water on premises | Less than 30 minutes | 30 minutes or more | Missing /Don't know | | |
| Total | 22.4 | 32.7 | 7.7 | 1.3 | 9.4 | 16.7 | 8.0 | 1.7 | 100.0 | 182,165 |
| Geopolitical zone | | | | | | | | | | |
| North Central | 23.1 | 29.6 | 5.4 | 0.6 | 6.2 | 23.3 | 11.0 | 0.8 | 100.0 | 30,688 |
| North East | 10.5 | 29.7 | 10.0 | 2.2 | 7.8 | 24.1 | 13.3 | 2.3 | 100.0 | 36,964 |
| North West | 21.7 | 28.7 | 6.3 | 1.9 | 18.2 | 15.4 | 4.9 | 2.8 | 100.0 | 61,155 |
| South East | 27.4 | 37.2 | 13.6 | 1.9 | 3.4 | 7.5 | 7.5 | 1.4 | 100.0 | 12,708 |
| South South | 26.4 | 40.0 | 8.9 | 0.2 | 1.5 | 15.5 | 7.3 | 0.2 | 100.0 | 17,393 |
| South West | 36.2 | 44.4 | 6.5 | 0.2 | 2.3 | 5.8 | 4.2 | 0.4 | 100.0 | 23,257 |
| Residence | | | | | | | | | | |
| Urban | 35.7 | 37.9 | 8.1 | 1.2 | 5.1 | 7.1 | 2.5 | 2.5 | 100.0 | 61,430 |
| Rural | 15.6 | 30.1 | 7.4 | 1.4 | 11.6 | 21.6 | 10.8 | 1.3 | 100.0 | 120,735 |
| Education of household head | | | | | | | | | | |
| None | 15.5 | 31.1 | 6.2 | 1.7 | 10.3 | 22.4 | 11.1 | 1.6 | 100.0 | 39,653 |
| Non-formal | 12.5 | 28.6 | 7.4 | 1.7 | 17.7 | 20.9 | 8.2 | 3.0 | 100.0 | 36,506 |
| Primary | 19.2 | 35.4 | 9.9 | 0.9 | 7.5 | 17.2 | 8.8 | 1.2 | 100.0 | 34,678 |
| Secondary | 26.4 | 38.0 | 7.9 | 1.0 | 5.9 | 13.1 | 6.6 | 1.2 | 100.0 | 43,819 |
| Higher | 43.2 | 28.8 | 7.0 | 1.4 | 5.2 | 8.2 | 4.5 | 1.7 | 100.0 | 27,166 |
| Missing/Don't know | 11.4 | 48.6 | 8.8 | 3.3 | 5.9 | 16.0 | 3.8 | 2.2 | 100.0 | 344 |
| Wealth index quintile | | | | | | | | | | |
| Poorest | 6.1 | 24.7 | 6.1 | 0.8 | 15.4 | 31.2 | 13.9 | 1.8 | 100.0 | 36,427 |
| Second | 12.2 | 31.1 | 7.7 | 1.5 | 14.2 | 22.1 | 10.2 | 1.0 | 100.0 | 36,454 |
| Middle | 17.8 | 31.6 | 8.7 | 2.1 | 10.3 | 18.5 | 9.5 | 1.5 | 100.0 | 36,404 |
| Fourth | 25.6 | 41.1 | 10.6 | 1.6 | 4.3 | 9.0 | 5.1 | 2.7 | 100.0 | 36,449 |
| Richest | 50.1 | 35.2 | 5.3 | 0.7 | 3.0 | 2.9 | 1.3 | 1.6 | 100.0 | 36,432 |
| Ethnicity of household head | | | | | | | | | | |
| Hausa | 17.7 | 29.1 | 7.0 | 2.1 | 14.9 | 19.2 | 7.3 | 2.7 | 100.0 | 90,060 |
| Igbo | 30.3 | 38.9 | 11.1 | 1.4 | 3.2 | 7.8 | 6.0 | 1.2 | 100.0 | 18,007 |
| Yoruba | 37.9 | 44.0 | 7.0 | 0.2 | 2.4 | 5.4 | 2.6 | 0.5 | 100.0 | 21,721 |
| Other ethnic group | 21.3 | 32.2 | 7.9 | 0.4 | 5.1 | 20.4 | 12.0 | 0.7 | 100.0 | 52,376 |

Table WS.3: Time to source of drinking water (continued)

Percent distribution of household population according to time to go to source of drinking water, get water and return, for users of improved and unimproved drinking water sources, Nigeria, 2016 -17

| | Time to source of drinking water | | | | | | | | | Number of household members |
|--------------|--|----------------------|--------------------|----------------------|--|---------------------|--------------------|----------------------|--------------|-----------------------------|
| | Users of improved drinking water sources | | | | Users of unimproved drinking water sources | | | | Total | |
| | Water on premises | Less than 30 minutes | 30 minutes or more | Missing / Don't know | Water on premises | Less than 30minutes | 30 minutes or more | Missing / Don't know | | |
| Total | 22.4 | 32.7 | 7.7 | 1.3 | 9.4 | 16.7 | 8.0 | 1.7 | 100.0 | 182,165 |
| State | | | | | | | | | | |
| Abia | 26.6 | 44.1 | 11.0 | 1.8 | 1.2 | 6.4 | 6.9 | 2.0 | 100.0 | 1,826 |
| Adamawa | 11.1 | 32.9 | 5.2 | 4.6 | 5.5 | 27.3 | 11.6 | 1.7 | 100.0 | 4,379 |
| Akwa Ibom | 18.3 | 43.0 | 18.9 | 0.0 | 0.8 | 7.5 | 11.4 | 0.1 | 100.0 | 3,893 |
| Anambra | 21.6 | 49.4 | 7.9 | 5.5 | 3.7 | 6.2 | 4.2 | 1.5 | 100.0 | 2,965 |
| Bauchi | 13.6 | 37.6 | 9.1 | 0.0 | 12.1 | 17.3 | 10.2 | 0.2 | 100.0 | 8,746 |
| Bayelsa | 24.0 | 32.0 | 4.5 | 0.0 | 2.3 | 29.7 | 6.9 | 0.5 | 100.0 | 1,279 |
| Benue | 37.5 | 19.2 | 6.6 | 1.1 | 5.7 | 15.5 | 12.2 | 2.2 | 100.0 | 5,012 |
| Borno | 6.1 | 21.8 | 15.5 | 3.5 | 5.4 | 28.6 | 16.0 | 3.1 | 100.0 | 11,063 |
| Cross River | 13.2 | 30.4 | 10.3 | 0.0 | 1.0 | 27.0 | 18.1 | 0.0 | 100.0 | 3,233 |
| Delta | 31.7 | 44.6 | 2.3 | 0.9 | 1.8 | 17.2 | 1.2 | 0.3 | 100.0 | 2,921 |
| Ebonyi | 29.9 | 24.4 | 22.0 | 0.2 | 3.7 | 8.3 | 11.5 | 0.1 | 100.0 | 2,248 |
| Edo | 38.1 | 45.3 | 4.6 | 0.0 | 0.8 | 8.8 | 2.3 | 0.1 | 100.0 | 2,339 |
| Ekiti | 26.2 | 44.6 | 12.5 | 1.0 | 1.2 | 7.2 | 6.7 | 0.5 | 100.0 | 1,128 |
| Enugu | 34.4 | 11.8 | 12.0 | 1.0 | 8.2 | 15.0 | 13.6 | 3.9 | 100.0 | 2,399 |
| Gombe | 9.6 | 21.3 | 6.3 | 2.0 | 9.1 | 33.8 | 11.6 | 6.3 | 100.0 | 3,291 |
| Imo | 26.2 | 49.8 | 15.8 | 0.4 | 0.7 | 3.4 | 3.7 | 0.0 | 100.0 | 3,270 |
| Jigawa | 14.3 | 53.3 | 9.6 | 2.1 | 6.8 | 10.1 | 0.9 | 2.8 | 100.0 | 8,019 |
| Kaduna | 37.7 | 21.2 | 2.1 | 0.2 | 34.1 | 2.8 | 1.4 | 0.5 | 100.0 | 10,418 |
| Kano | 20.9 | 27.2 | 5.7 | 4.1 | 18.5 | 14.5 | 2.5 | 6.6 | 100.0 | 13,560 |
| Katsina | 17.1 | 31.0 | 11.0 | 1.7 | 9.6 | 16.4 | 12.3 | 1.0 | 100.0 | 10,941 |
| Kebbi | 31.8 | 19.3 | 2.5 | 1.8 | 26.4 | 14.6 | 1.7 | 1.9 | 100.0 | 5,391 |
| Kogi | 22.1 | 33.5 | 12.5 | 2.1 | 1.6 | 18.8 | 8.9 | 0.5 | 100.0 | 3,152 |
| Kwara | 34.9 | 43.9 | 6.9 | 0.0 | 3.4 | 3.6 | 6.2 | 0.9 | 100.0 | 2,709 |
| Lagos | 45.0 | 45.9 | 2.5 | 0.3 | 2.8 | 2.8 | 0.4 | 0.4 | 100.0 | 7,576 |
| Nasarawa | 19.9 | 30.1 | 4.7 | 0.2 | 8.6 | 25.6 | 10.8 | 0.1 | 100.0 | 3,792 |
| Niger | 14.3 | 34.5 | 3.8 | 0.3 | 5.6 | 31.9 | 9.2 | 0.4 | 100.0 | 7,954 |
| Ogun | 27.9 | 57.1 | 3.6 | 0.1 | 1.3 | 8.0 | 2.1 | 0.0 | 100.0 | 2,317 |
| Ondo | 38.6 | 32.4 | 8.5 | 0.1 | 3.3 | 8.1 | 9.1 | 0.0 | 100.0 | 3,471 |
| Osun | 30.0 | 50.0 | 8.5 | 0.0 | 2.0 | 7.2 | 2.1 | 0.2 | 100.0 | 3,257 |
| Oyo | 31.9 | 41.1 | 9.6 | 0.2 | 2.0 | 6.2 | 7.8 | 1.1 | 100.0 | 5,508 |
| Plateau | 20.1 | 19.0 | 3.6 | 0.3 | 10.6 | 28.7 | 17.2 | 0.6 | 100.0 | 6,581 |
| Rivers | 35.6 | 41.1 | 6.8 | 0.0 | 2.4 | 11.9 | 1.9 | 0.4 | 100.0 | 3,729 |
| Sokoto | 10.8 | 16.8 | 3.2 | 1.7 | 14.0 | 44.3 | 6.0 | 3.2 | 100.0 | 5,164 |
| Taraba | 18.1 | 12.4 | 5.7 | 1.9 | 9.7 | 26.6 | 20.6 | 5.0 | 100.0 | 2,974 |
| Yobe | 10.4 | 42.6 | 8.8 | 1.5 | 6.2 | 17.8 | 11.8 | 0.9 | 100.0 | 6,511 |
| Zamfara | 16.3 | 27.5 | 7.4 | 0.4 | 17.3 | 19.5 | 9.5 | 2.2 | 100.0 | 7,663 |
| FCT Abuja | 23.9 | 49.9 | 1.7 | 0.1 | 1.2 | 18.3 | 3.2 | 1.7 | 100.0 | 1,489 |

Table WS.4: Person collecting water

Percentage of households without drinking water on premises, and percent distribution of households without drinking water on premises according to the person usually collecting drinking water used in the household, Nigeria, 2016-17

| | Percentage of households without drinking water on premises | Number of households | Person usually collecting drinking water | | | | | | | Total | Number of households without drinking water on premises |
|------------------------------------|---|----------------------|--|-------------|---------------------------|-------------------------|------------|------------|--------------|---------------|---|
| | | | Adult woman | Adult man | Female child under age 15 | Male child under age 15 | Don't know | Missing | | | |
| Total | 68.2 | 33,901 | 40 | 38.2 | 11.0 | 10.0 | 0.8 | 0.4 | 100.0 | 23,112 | |
| Geopolitical zone | | | | | | | | | | | |
| North Central | 70.0 | 5,435 | 64 | 20.7 | 9.5 | 4.8 | 0.3 | 0.2 | 100.0 | 3,803 | |
| North East | 82.9 | 5,581 | 22 | 48.7 | 15.2 | 12.0 | 1.5 | 0.5 | 100.0 | 4,627 | |
| North West | 61.4 | 9,128 | 21 | 51.4 | 10.6 | 15.0 | 1.3 | 0.8 | 100.0 | 5,603 | |
| South East | 68.4 | 3,132 | 46 | 34.8 | 9.6 | 8.8 | 0.7 | 0.4 | 100.0 | 2,143 | |
| South South | 71.1 | 4,281 | 46 | 34.6 | 10.5 | 8.4 | 0.1 | 0.1 | 100.0 | 3,042 | |
| South West | 61.4 | 6,344 | 54 | 28.7 | 9.2 | 7.2 | 0.2 | 0.2 | 100.0 | 3,893 | |
| Residence | | | | | | | | | | | |
| Urban | 58.9 | 12,421 | 39 | 38.0 | 10.8 | 9.4 | 1.7 | 0.8 | 100.0 | 7,318 | |
| Rural | 73.5 | 21,480 | 40 | 38.4 | 11.1 | 10.2 | 0.3 | 0.3 | 100.0 | 15,794 | |
| Education of household head | | | | | | | | | | | |
| None | 74.4 | 7,443 | 41 | 33.1 | 13.4 | 12.1 | 0.5 | 0.3 | 100.0 | 5,538 | |
| Non-formal | 71.3 | 5,269 | 23 | 51.2 | 11.6 | 12.6 | 1.3 | 0.5 | 100.0 | 3,759 | |
| Primary | 73.3 | 6,558 | 44 | 32.9 | 12.4 | 9.6 | 0.6 | 0.4 | 100.0 | 4,809 | |
| Secondary | 67.8 | 9,047 | 46 | 37.0 | 8.4 | 8.0 | 0.6 | 0.3 | 100.0 | 6,137 | |
| Higher | 51.1 | 5,526 | 39 | 42.8 | 9.0 | 7.1 | 1.0 | 0.8 | 100.0 | 2,822 | |
| Missing /Don't know | 79.4 | 58 | 29 | 44.5 | 12.3 | 14.3 | 0.0 | 0.0 | 100.0 | 46 | |
| Wealth index quintile | | | | | | | | | | | |
| Poorest | 79.9 | 5,592 | 31 | 43.4 | 12.3 | 13.0 | 0.1 | 0.2 | 100.0 | 4,468 | |
| Second | 75.5 | 6,328 | 39 | 37.1 | 13.1 | 10.0 | 0.5 | 0.2 | 100.0 | 4,778 | |
| Middle | 73.5 | 6,897 | 43 | 36.0 | 9.9 | 9.7 | 1.3 | 0.4 | 100.0 | 5,068 | |
| Fourth | 69.9 | 7,259 | 41 | 37.3 | 10.9 | 9.2 | 1.0 | 0.6 | 100.0 | 5,072 | |
| Richest | 47.6 | 7,825 | 44 | 38.0 | 8.5 | 7.7 | 0.7 | 0.8 | 100.0 | 3,727 | |
| Ethnicity of household head | | | | | | | | | | | |
| Hausa | 68.8 | 13,433 | 23 | 49.7 | 11.8 | 13.6 | 1.2 | 0.7 | 100.0 | 9,239 | |
| Igbo | 65.8 | 4,436 | 46 | 36.4 | 9.0 | 8.2 | 0.6 | 0.3 | 100.0 | 2,920 | |
| Yoruba | 60.7 | 5,873 | 54 | 26.3 | 10.3 | 8.5 | 0.3 | 0.3 | 100.0 | 3,565 | |
| Other ethnic group | 72.2 | 10,159 | 51 | 30.4 | 11.2 | 6.8 | 0.4 | 0.2 | 100.0 | 7,388 | |

Table WS.4: Person collecting water (continued)

Percentage of households without drinking water on premises, and percent distribution of households without drinking water on premises according to the person usually collecting drinking water used in the household, Nigeria, 2016-17

| | Percentage of households without drinking water on premises | Number of households | Person usually collecting drinking water | | | | | | Total | Number of households without drinking water on premises |
|--------------|---|----------------------|--|-------------|---------------------------|-------------------------|------------|------------|--------------|---|
| | | | Adult woman | Adult man | Female child under age 15 | Male child under age 15 | Don't know | Misssing | | |
| Total | 68.2 | 33,901 | 39.6 | 38.2 | 11.0 | 10.0 | 0.8 | 0.4 | 100.0 | 23,112 |
| State | | | | | | | | | | |
| Abia | 73.1 | 472 | 43.5 | 34.0 | 12.9 | 9.5 | 0.0 | 0.1 | 100.0 | 345 |
| Adamawa | 83.9 | 735 | 27.7 | 42.0 | 17.8 | 11.8 | 0.4 | 0.2 | 100.0 | 616 |
| Akwa Ibom | 80.2 | 844 | 39.2 | 37.0 | 14.1 | 9.8 | 0.0 | 0.0 | 100.0 | 677 |
| Anambra | 73.3 | 719 | 43.9 | 36.1 | 10.7 | 8.3 | 0.9 | 0.2 | 100.0 | 527 |
| Bauchi | 75.1 | 1,384 | 13.9 | 57.4 | 13.4 | 14.5 | 0.0 | 0.8 | 100.0 | 1,040 |
| Bayelsa | 74.6 | 308 | 46.6 | 39.2 | 6.9 | 7.1 | 0.0 | 0.1 | 100.0 | 230 |
| Benue | 56.0 | 987 | 65.7 | 20.9 | 9.0 | 4.3 | 0.2 | 0.0 | 100.0 | 553 |
| Borno | 90.3 | 1,493 | 15.8 | 53.5 | 19.3 | 10.7 | 0.7 | 0.0 | 100.0 | 1,348 |
| Cross River | 85.4 | 778 | 49.2 | 26.6 | 13.8 | 10.4 | 0.0 | 0.0 | 100.0 | 665 |
| Delta | 65.2 | 740 | 55.3 | 28.4 | 8.4 | 7.6 | 0.0 | 0.3 | 100.0 | 482 |
| Ebonyi | 66.0 | 535 | 54.9 | 23.1 | 12.4 | 9.2 | 0.1 | 0.4 | 100.0 | 353 |
| Edo | 61.6 | 654 | 51.0 | 34.4 | 9.1 | 5.1 | 0.4 | 0.0 | 100.0 | 403 |
| Ekiti | 72.2 | 351 | 55.5 | 27.2 | 9.4 | 6.8 | 0.7 | 0.5 | 100.0 | 254 |
| Enugu | 55.9 | 610 | 48.4 | 36.3 | 5.2 | 6.2 | 2.7 | 1.2 | 100.0 | 341 |
| Gombe | 82.7 | 529 | 17.4 | 43.8 | 17.3 | 19.9 | 1.5 | 0.1 | 100.0 | 437 |
| Imo | 72.5 | 796 | 41.6 | 40.3 | 7.7 | 10.2 | 0.0 | 0.2 | 100.0 | 577 |
| Jigawa | 79.9 | 1,147 | 10.3 | 51.2 | 14.2 | 22.6 | 1.4 | 0.3 | 100.0 | 916 |
| Kaduna | 31.2 | 1,646 | 57.6 | 19.8 | 11.3 | 11.2 | 0.0 | 0.0 | 100.0 | 513 |
| Kano | 62.3 | 1,894 | 19.5 | 48.1 | 8.8 | 17.8 | 3.7 | 2.1 | 100.0 | 1,181 |
| Katsina | 75.4 | 1,705 | 15.7 | 62.9 | 9.2 | 11.2 | 0.0 | 1.0 | 100.0 | 1,286 |
| Kebbi | 43.4 | 838 | 39.2 | 41.6 | 9.2 | 9.5 | 0.0 | 0.5 | 100.0 | 363 |
| Kogi | 74.4 | 649 | 66.4 | 17.2 | 9.5 | 6.0 | 0.2 | 0.8 | 100.0 | 482 |
| Kwara | 62.0 | 639 | 48.7 | 22.5 | 16.8 | 11.6 | 0.2 | 0.2 | 100.0 | 396 |
| Lagos | 51.9 | 1,974 | 48.7 | 37.4 | 8.2 | 5.1 | 0.4 | 0.1 | 100.0 | 1,025 |
| Nasarawa | 74.4 | 630 | 63.4 | 19.7 | 12.5 | 3.6 | 0.1 | 0.7 | 100.0 | 468 |
| Niger | 80.9 | 1,211 | 71.8 | 16.0 | 7.7 | 4.2 | 0.3 | 0.0 | 100.0 | 979 |
| Ogun | 72.0 | 608 | 58.6 | 19.3 | 13.5 | 8.6 | 0.0 | 0.0 | 100.0 | 438 |
| Ondo | 57.9 | 1,025 | 63.3 | 23.5 | 8.0 | 5.2 | 0.0 | 0.0 | 100.0 | 594 |
| Osun | 68.8 | 916 | 51.2 | 27.1 | 10.0 | 11.7 | 0.0 | 0.0 | 100.0 | 630 |
| Oyo | 64.8 | 1,470 | 55.1 | 28.5 | 8.5 | 7.2 | 0.3 | 0.5 | 100.0 | 952 |
| Plateau | 69.7 | 1,051 | 60.3 | 29.0 | 7.4 | 2.8 | 0.5 | 0.0 | 100.0 | 732 |
| Rivers | 61.3 | 957 | 40.9 | 44.6 | 6.6 | 7.9 | 0.0 | 0.0 | 100.0 | 586 |
| Sokoto | 76.5 | 820 | 20.2 | 53.3 | 9.4 | 15.6 | 0.8 | 0.7 | 100.0 | 628 |
| Taraba | 75.4 | 527 | 59.5 | 22.8 | 9.0 | 4.7 | 3.9 | 0.0 | 100.0 | 397 |
| Yobe | 86.3 | 914 | 22.4 | 50.1 | 10.8 | 10.5 | 4.3 | 1.9 | 100.0 | 788 |
| Zamfara | 66.4 | 1,078 | 10.6 | 62.5 | 13.0 | 12.5 | 1.3 | 0.0 | 100.0 | 716 |
| FCT Abuja | 71.4 | 270 | 70.0 | 20.5 | 5.9 | 3.5 | 0.0 | 0.1 | 100.0 | 193 |

Use of Improved Sanitation

Table WS.5: Types of sanitation facilities

Percent distribution of household population according to type of toilet facility used by the household, Nigeria, 2016-17

| | Type of toilet facility used by household | | | | | | | | | | | | | | | Number of household members |
|------------------------------------|---|-------------|-------------|---|-----------------------|-------------------|----------------------|-----------------------------------|-------------|------------------------|------------|---------------------------------|-------------|--|----------------|-----------------------------|
| | Improved sanitation facility | | | | | | | Unimproved sanitation facility | | | | | | Open defecation (no facility, bush, field) | Total | |
| | Flush/Pour flush to: | | | | Pit latrine with slab | Composting toilet | Flush/Pour elsewhere | Pit latrine without slab/open pit | Bucket | Hanging toilet/latrine | Other | | | | | |
| | Piped sewer system | Septic tank | Pit latrine | Unknown place/not sure/Don't know where | | | | | | | | Ventilated improved pit latrine | | | | |
| Total | 5.3 | 11.4 | 8.9 | 0.1 | 1.3 | 23.9 | 0.7 | 0.7 | 23.2 | 0.1 | 0.8 | 0.2 | 23.5 | 100.0 | 182,165 | |
| Geopolitical zone | | | | | | | | | | | | | | | | |
| North Central | 2.5 | 10.6 | 13.0 | 0.4 | 0.5 | 12.6 | 0.8 | 1.3 | 8.2 | 0.0 | 0.1 | 0.0 | 50.0 | 100.0 | 30,688 | |
| North East | 2.1 | 2.2 | 4.9 | 0.0 | 0.5 | 39.5 | 0.1 | 0.4 | 31.6 | 0.0 | 0.3 | 0.0 | 18.2 | 100.0 | 36,964 | |
| North West | 4.2 | 3.1 | 7.6 | 0.2 | 2.7 | 26.8 | 1.2 | 0.8 | 38.5 | 0.0 | 0.1 | 0.3 | 14.3 | 100.0 | 61,155 | |
| South East | 13.1 | 21.9 | 7.2 | 0.1 | 0.2 | 18.3 | 0.6 | 0.6 | 14.6 | 0.0 | 1.2 | 0.1 | 22.0 | 100.0 | 12,708 | |
| South South | 18.3 | 12.3 | 9.9 | 0.0 | 1.0 | 20.6 | 1.1 | 0.1 | 10.1 | 0.1 | 5.6 | 0.6 | 20.4 | 100.0 | 17,393 | |
| South West | 3.1 | 42.5 | 13.0 | 0.0 | 0.3 | 11.4 | 0.0 | 0.2 | 4.0 | 0.3 | 0.6 | 0.3 | 24.1 | 100.0 | 23,257 | |
| Residence | | | | | | | | | | | | | | | | |
| Urban | 10.6 | 25.9 | 15.1 | 0.2 | 1.4 | 25.6 | 0.4 | 1.0 | 13.4 | 0.1 | 0.4 | 0.0 | 6.0 | 100.0 | 61,430 | |
| Rural | 2.7 | 4.1 | 5.7 | 0.1 | 1.2 | 23.0 | 0.9 | 0.5 | 28.2 | 0.0 | 1.0 | 0.3 | 32.4 | 100.0 | 120,735 | |
| Education of household head | | | | | | | | | | | | | | | | |
| None | 1.7 | 3.2 | 4.5 | 0.0 | 1.6 | 21.4 | 0.6 | 0.3 | 28.6 | 0.1 | 0.7 | 0.3 | 37.1 | 100.0 | 39,653 | |
| Non-formal | 1.0 | 1.3 | 7.4 | 0.0 | 1.5 | 28.8 | 0.7 | 0.8 | 39.6 | 0.1 | 0.2 | 0.2 | 18.4 | 100.0 | 36,506 | |
| Primary | 4.0 | 10.0 | 8.9 | 0.2 | 1.0 | 24.1 | 0.9 | 0.4 | 20.9 | 0.1 | 1.1 | 0.4 | 28.1 | 100.0 | 34,678 | |
| Secondary | 7.3 | 17.5 | 12.5 | 0.1 | 0.9 | 23.1 | 0.8 | 0.6 | 14.5 | 0.0 | 1.4 | 0.2 | 21.1 | 100.0 | 43,819 | |
| Higher | 15.1 | 28.9 | 11.3 | 0.4 | 1.4 | 21.6 | 0.4 | 1.5 | 10.4 | 0.1 | 0.5 | 0.1 | 8.5 | 100.0 | 27,166 | |
| Missing /Don't know | 0.2 | 10.6 | 6.3 | 0.0 | 0.0 | 36.6 | 0.0 | 0.0 | 27.9 | 0.0 | 0.0 | 0.0 | 18.4 | 100.0 | 344 | |
| Wealth index quintile | | | | | | | | | | | | | | | | |
| Poorest | 0.3 | 0.1 | 1.8 | 0.1 | 1.9 | 13.4 | 0.4 | 0.3 | 37.9 | 0.0 | 0.1 | 0.3 | 43.5 | 100.0 | 36,427 | |
| Second | 0.1 | 0.2 | 4.8 | 0.1 | 1.1 | 22.5 | 1.2 | 0.4 | 36.2 | 0.0 | 0.8 | 0.4 | 32.3 | 100.0 | 36,454 | |
| Middle | 1.1 | 2.0 | 7.5 | 0.2 | 1.3 | 32.2 | 1.2 | 0.6 | 26.8 | 0.1 | 1.1 | 0.2 | 25.5 | 100.0 | 36,404 | |
| Fourth | 5.0 | 11.4 | 15.2 | 0.1 | 1.1 | 37.5 | 0.5 | 0.9 | 12.1 | 0.1 | 1.4 | 0.2 | 14.5 | 100.0 | 36,449 | |
| Richest | 20.1 | 43.4 | 15.1 | 0.2 | 0.9 | 13.7 | 0.1 | 1.1 | 3.0 | 0.1 | 0.6 | 0.0 | 1.7 | 100.0 | 36,432 | |
| Ethnicity of household head | | | | | | | | | | | | | | | | |
| Hausa | 2.8 | 3.5 | 7.5 | 0.2 | 1.9 | 30.7 | 1.0 | 0.7 | 34.8 | 0.0 | 0.2 | 0.2 | 16.4 | 100.0 | 90,060 | |
| Igbo | 13.9 | 25.8 | 10.4 | 0.1 | 0.3 | 16.2 | 0.5 | 0.7 | 12.5 | 0.1 | 0.9 | 0.1 | 18.6 | 100.0 | 18,007 | |
| Yoruba | 4.2 | 38.0 | 13.8 | 0.0 | 0.6 | 13.1 | 0.0 | 0.4 | 4.7 | 0.3 | 0.8 | 0.3 | 23.8 | 100.0 | 21,721 | |
| Other ethnic group | 7.1 | 9.1 | 8.6 | 0.1 | 0.7 | 19.2 | 0.4 | 0.7 | 14.6 | 0.0 | 1.9 | 0.3 | 37.2 | 100.0 | 52,376 | |

Table WS.5: Types of sanitation facilities (continued)

Percent distribution of household population according to type of toilet facility used by the household, Nigeria, 2016-17

| | Type of toilet facility used by household | | | | | | | | | | | | | | Total | Number of household members |
|--------------|---|-------------|-------------|------------|---|---------------------------------|-----------------------|--------------------------------|------------------------------------|-----------------------------------|------------|------------------------|-------------|--|----------------|-----------------------------|
| | Improved sanitation facility | | | | | | | Unimproved sanitation facility | | | | | | | | |
| | Flush/Pour flush to: | | | | Unknown place/not sure/Don't know where | Ventilated improved pit latrine | Pit latrine with slab | Composting toilet | Flush/Pour flush to somewhere else | Pit latrine without slab/open pit | Bucket | Hanging toilet/latrine | Other | Open defecation (no facility, bush, field) | | |
| | Piped sewer system | Septic tank | Pit latrine | | | | | | | | | | | | | |
| Total | 5.3 | 11.4 | 8.9 | 0.1 | 1.3 | 23.9 | 0.7 | 0.7 | 23.2 | 0.1 | 0.8 | 0.2 | 23.5 | 100.0 | 182,165 | |
| State | | | | | | | | | | | | | | | | |
| Abia | 21.9 | 12.9 | 4.2 | 0.9 | 0.0 | 36.3 | 0.3 | 3.3 | 14.0 | 0.2 | 1.9 | 0.1 | 3.8 | 100.0 | 1,826 | |
| Adamawa | 2.8 | 1.1 | 3.7 | 0.0 | 0.7 | 41.6 | 0.2 | 0.2 | 31.8 | 0.0 | 1.6 | 0.0 | 16.3 | 100.0 | 4,379 | |
| Akwa Ibom | 10.3 | 9.1 | 0.6 | 0.0 | 0.5 | 56.3 | 0.9 | 0.0 | 14.0 | 0.0 | 0.8 | 0.3 | 7.3 | 100.0 | 3,893 | |
| Anambra | 11.4 | 38.4 | 14.4 | 0.0 | 0.2 | 13.3 | 0.0 | 0.1 | 11.7 | 0.0 | 0.2 | 0.0 | 10.3 | 100.0 | 2,965 | |
| Bauchi | 1.0 | 0.8 | 2.8 | 0.0 | 0.2 | 38.1 | 0.0 | 0.0 | 42.0 | 0.0 | 0.1 | 0.0 | 15.0 | 100.0 | 8,746 | |
| Bayelsa | 9.9 | 16.9 | 3.2 | 0.1 | 0.0 | 0.2 | 0.0 | 1.2 | 1.5 | 0.2 | 33.0 | 2.7 | 31.2 | 100.0 | 1,279 | |
| Benue | 2.3 | 9.0 | 10.6 | 0.0 | 0.0 | 7.9 | 0.6 | 3.4 | 14.6 | 0.0 | 0.2 | 0.1 | 51.2 | 100.0 | 5,012 | |
| Borno | 1.4 | 5.4 | 8.0 | 0.0 | 0.3 | 59.2 | 0.0 | 0.9 | 21.0 | 0.0 | 0.0 | 0.0 | 3.8 | 100.0 | 11,063 | |
| Cross River | 2.2 | 15.6 | 13.6 | 0.0 | 1.9 | 11.4 | 1.8 | 0.0 | 16.2 | 0.1 | 0.7 | 0.9 | 35.3 | 100.0 | 3,233 | |
| Delta | 27.2 | 11.1 | 8.2 | 0.1 | 1.9 | 13.2 | 1.7 | 0.0 | 8.8 | 0.5 | 4.4 | 0.4 | 22.5 | 100.0 | 2,921 | |
| Ebonyi | 4.8 | 3.7 | 3.2 | 0.0 | 0.5 | 6.1 | 2.9 | 0.3 | 27.6 | 0.0 | 4.8 | 0.4 | 45.6 | 100.0 | 2,248 | |
| Edo | 20.5 | 26.0 | 11.2 | 0.0 | 0.4 | 15.5 | 0.2 | 0.0 | 12.1 | 0.0 | 0.0 | 0.0 | 13.9 | 100.0 | 2,339 | |
| Ekiti | 9.5 | 16.9 | 10.7 | 0.0 | 0.4 | 13.0 | 0.0 | 0.0 | 10.3 | 0.0 | 0.1 | 0.1 | 39.0 | 100.0 | 1,128 | |
| Enugu | 9.5 | 22.2 | 5.9 | 0.0 | 0.1 | 13.8 | 0.4 | 0.5 | 7.8 | 0.0 | 0.0 | 0.0 | 39.8 | 100.0 | 2,399 | |
| Gombe | 2.9 | 0.1 | 3.4 | 0.1 | 1.0 | 39.2 | 0.0 | 0.1 | 33.6 | 0.0 | 0.0 | 0.0 | 19.5 | 100.0 | 3,291 | |
| Imo | 18.1 | 24.1 | 6.0 | 0.0 | 0.4 | 24.6 | 0.0 | 0.0 | 13.5 | 0.0 | 0.0 | 0.0 | 13.3 | 100.0 | 3,270 | |
| Jigawa | 1.1 | 1.4 | 11.1 | 0.1 | 0.6 | 22.3 | 0.0 | 2.1 | 36.1 | 0.0 | 0.4 | 1.7 | 23.0 | 100.0 | 8,019 | |
| Kaduna | 10.2 | 3.4 | 7.4 | 0.2 | 4.1 | 26.1 | 0.1 | 0.1 | 38.0 | 0.0 | 0.2 | 0.0 | 10.3 | 100.0 | 10,418 | |

Table WS.5: Types of sanitation facilities (continued)

Percent distribution of household population according to type of toilet facility used by the household, Nigeria, 2016-17

| State | Type of toilet facility used by household | | | | | | | | | | | | | | Total | Number of household members |
|--------------------|---|-------------|---|-----|---------------------------------|-------------------|------------------------------------|-----------------------------------|--------|------------------------|-------|--|------|-------|--------|-----------------------------|
| | Improved sanitation facility | | | | | | | Unimproved sanitation facility | | | | | | | | |
| | Flush/Pour flush to: | | | | Ventilated improved pit latrine | Composting toilet | Flush/Pour flush to somewhere else | Pit latrine without slab/open pit | Bucket | Hanging toilet/latrine | Other | Open defecation (no facility, bush, field) | | | | |
| Piped sewer system | Septic tank | Pit latrine | Unknown place/not sure/Don't know where | | | | | | | | | | | | | |
| Kano | 4.6 | 6.3 | 15.9 | 0.3 | 1.3 | 30.3 | 4.6 | 1.1 | 30.9 | 0.0 | 0.0 | 0.0 | 4.6 | 100.0 | 13,560 | |
| Katsina | 4.2 | 1.8 | 1.6 | 0.0 | 1.2 | 21.9 | 0.1 | 0.3 | 51.2 | 0.1 | 0.2 | 0.3 | 17.2 | 100.0 | 10,941 | |
| Kebbi | 2.7 | 3.9 | 6.3 | 0.6 | 0.7 | 21.3 | 0.6 | 0.7 | 38.1 | 0.0 | 0.0 | 0.1 | 25.0 | 100.0 | 5,391 | |
| Kogi | 1.4 | 11.8 | 7.8 | 0.1 | 0.4 | 11.1 | 0.0 | 0.5 | 4.2 | 0.0 | 0.1 | 0.1 | 62.5 | 100.0 | 3,152 | |
| Kwara | 2.2 | 23.7 | 14.8 | 0.0 | 0.2 | 8.5 | 0.0 | 0.6 | 1.4 | 0.0 | 0.0 | 0.0 | 48.6 | 100.0 | 2,709 | |
| Lagos | 1.6 | 73.0 | 16.7 | 0.0 | 0.3 | 4.5 | 0.0 | 0.3 | 0.7 | 0.0 | 0.2 | 0.1 | 2.5 | 100.0 | 7,576 | |
| Nasarawa | 3.1 | 3.3 | 11.0 | 0.3 | 1.0 | 12.3 | 5.3 | 1.6 | 15.6 | 0.0 | 0.1 | 0.0 | 46.4 | 100.0 | 3,792 | |
| Niger | 3.2 | 5.3 | 18.9 | 0.2 | 0.2 | 18.0 | 0.1 | 0.3 | 8.5 | 0.0 | 0.0 | 0.0 | 45.3 | 100.0 | 7,954 | |
| Ogun | 3.7 | 32.3 | 12.6 | 0.0 | 0.3 | 19.6 | 0.2 | 0.0 | 10.4 | 0.5 | 0.2 | 0.6 | 19.6 | 100.0 | 2,317 | |
| Ondo | 8.9 | 21.3 | 6.3 | 0.0 | 0.5 | 16.6 | 0.1 | 0.3 | 8.5 | 1.2 | 3.8 | 0.5 | 32.0 | 100.0 | 3,471 | |
| Osun | 0.5 | 28.8 | 6.5 | 0.0 | 0.5 | 25.5 | 0.0 | 0.2 | 4.3 | 0.2 | 0.0 | 0.7 | 32.7 | 100.0 | 3,257 | |
| Oyo | 1.6 | 31.4 | 16.8 | 0.0 | 0.2 | 5.7 | 0.0 | 0.1 | 1.7 | 0.0 | 0.0 | 0.0 | 42.5 | 100.0 | 5,508 | |
| Plateau | 2.2 | 12.5 | 9.9 | 1.1 | 0.4 | 13.3 | 0.0 | 1.2 | 4.7 | 0.0 | 0.0 | 0.0 | 54.8 | 100.0 | 6,581 | |
| Rivers | 35.1 | 3.5 | 19.4 | 0.0 | 0.5 | 7.2 | 1.0 | 0.0 | 3.4 | 0.0 | 9.8 | 0.3 | 19.8 | 100.0 | 3,729 | |
| Sokoto | 0.8 | 0.5 | 2.8 | 0.0 | 0.8 | 41.5 | 0.6 | 0.9 | 19.5 | 0.2 | 0.1 | 0.1 | 32.1 | 100.0 | 5,164 | |
| Taraba | 2.9 | 1.0 | 2.8 | 0.0 | 1.4 | 26.7 | 0.7 | 0.1 | 22.9 | 0.0 | 0.4 | 0.1 | 40.9 | 100.0 | 2,974 | |
| Yobe | 3.4 | 1.4 | 5.0 | 0.0 | 0.6 | 12.5 | 0.0 | 0.2 | 38.7 | 0.0 | 0.4 | 0.2 | 37.4 | 100.0 | 6,511 | |
| Zamfara | 2.3 | 1.8 | 2.4 | 0.2 | 10.6 | 27.4 | 0.0 | 0.6 | 50.2 | 0.0 | 0.1 | 0.2 | 4.4 | 100.0 | 7,663 | |
| FCT Abuja | 2.9 | 28.6 | 16.1 | 0.6 | 3.0 | 8.0 | 0.2 | 2.8 | 2.7 | 0.0 | 0.0 | 0.0 | 35.1 | 100.0 | 1,489 | |

Table WS.6: Use and sharing of sanitation facilities

Percent distribution of household population by use of private and public sanitation facilities and use of shared facilities, by users of improved and unimproved sanitation facilities, Nigeria 2016 -17

| | Users of improved sanitation facilities | | | | Users of unimproved sanitation facilities | | | | Open defecation (no facility, bush, field) | Total | Number of household members |
|------------------------------------|---|-----------------|----------------------|------------------------|---|-----------------|----------------------|------------------------|--|--------------|-----------------------------|
| | Not shared ¹ | Public facility | Shared by | | Not shared | Public facility | Shared by | | | | |
| | | | 5 households or less | More than 5 households | | | 5 households or less | More than 5 households | | | |
| Total | 35.9 | 1.3 | 9.8 | 4.5 | 19.1 | 1.2 | 3.9 | 0.8 | 23.5 | 100.0 | 182,165 |
| Geopolitical zone | | | | | | | | | | | |
| North Central | 27.5 | 1.2 | 8.3 | 3.3 | 6.8 | 0.5 | 1.6 | 0.6 | 50.0 | 100.0 | 30,688 |
| North East | 39.2 | 0.2 | 8.6 | 1.3 | 28.0 | 0.3 | 3.7 | 0.4 | 18.2 | 100.0 | 36,964 |
| North West | 37.9 | 0.7 | 5.0 | 2.3 | 31.7 | 0.6 | 6.5 | 1.0 | 14.3 | 100.0 | 61,155 |
| South East | 44.1 | 4.5 | 9.2 | 3.6 | 11.4 | 2.3 | 2.2 | 0.6 | 22.0 | 100.0 | 12,708 |
| South South | 38.3 | 3.9 | 14.3 | 6.7 | 6.6 | 5.7 | 3.1 | 1.1 | 20.4 | 100.0 | 17,393 |
| South West | 30.6 | 1.0 | 22.8 | 16.1 | 1.6 | 1.0 | 1.9 | 1.0 | 24.1 | 100.0 | 23,257 |
| Residence | | | | | | | | | | | |
| Urban | 49.2 | 2.0 | 17.7 | 10.3 | 9.7 | 0.8 | 3.3 | 1.0 | 6.0 | 100.0 | 61,430 |
| Rural | 29.2 | 1.0 | 5.7 | 1.6 | 23.9 | 1.4 | 4.2 | 0.7 | 32.4 | 100.0 | 120,735 |
| Education of household head | | | | | | | | | | | |
| None | 24.4 | 0.8 | 6.0 | 1.8 | 24.5 | 0.9 | 3.9 | 0.6 | 37.1 | 100.0 | 39,653 |
| Non-formal | 33.0 | 0.7 | 5.5 | 1.6 | 33.2 | 0.6 | 5.9 | 1.0 | 18.4 | 100.0 | 36,506 |
| Primary | 31.7 | 1.5 | 10.5 | 5.3 | 16.0 | 1.6 | 4.2 | 1.0 | 28.1 | 100.0 | 34,678 |
| Secondary | 36.1 | 2.1 | 15.3 | 8.7 | 10.8 | 1.7 | 3.2 | 0.8 | 21.1 | 100.0 | 43,819 |
| Higher | 61.8 | 1.2 | 11.0 | 4.8 | 9.5 | 0.9 | 1.7 | 0.5 | 8.5 | 100.0 | 27,166 |
| Missing /Don't know | 33.8 | 0.0 | 14.2 | 5.6 | 26.6 | 0.9 | 0.5 | 0.0 | 18.4 | 100.0 | 344 |
| Wealth index quintile | | | | | | | | | | | |
| Poorest | 15.5 | 0.4 | 1.5 | 0.4 | 32.8 | 0.6 | 4.5 | 0.7 | 43.5 | 100.0 | 36,427 |
| Second | 24.8 | 0.4 | 3.8 | 0.7 | 30.3 | 1.0 | 5.9 | 0.7 | 32.3 | 100.0 | 36,454 |
| Middle | 32.4 | 1.0 | 9.8 | 2.5 | 20.8 | 1.6 | 5.2 | 1.1 | 25.5 | 100.0 | 36,404 |
| Fourth | 43.4 | 2.3 | 16.6 | 8.4 | 8.9 | 1.8 | 2.9 | 1.0 | 14.5 | 100.0 | 36,449 |
| Richest | 63.5 | 2.3 | 17.0 | 10.6 | 2.6 | 0.9 | 0.8 | 0.5 | 1.7 | 100.0 | 36,432 |
| Ethnicity of household head | | | | | | | | | | | |
| Hausa | 38.7 | 0.5 | 6.6 | 1.8 | 29.4 | 0.5 | 5.1 | 0.8 | 16.4 | 100.0 | 90,060 |
| Igbo | 44.4 | 4.3 | 11.1 | 7.3 | 9.4 | 1.9 | 2.1 | 0.8 | 18.6 | 100.0 | 18,007 |
| Yoruba | 30.6 | 1.4 | 23.0 | 14.7 | 2.2 | 1.2 | 1.9 | 1.1 | 23.8 | 100.0 | 21,721 |
| Other ethnic group | 30.4 | 1.6 | 9.2 | 4.1 | 11.7 | 2.0 | 3.1 | 0.7 | 37.2 | 100.0 | 52,376 |

¹ MICS indicator 4.3; MDG indicator 7.9 - Use of improved sanitation

Table WS.6: Use and sharing of sanitation facilities (continued)

Percent distribution of household population by use of private and public sanitation facilities and use of shared facilities, by users of improved and unimproved sanitation facilities, Nigeria 2016 -17

| | Users of improved sanitation facilities | | | | | Users of unimproved sanitation facilities | | | | | Open defecation (no facility, bush, field) | Total | Number of household members |
|--------------|---|----------------------|------------------|------------------------|---------------------|---|----------------------|------------------|------------------------|---------------------|--|--------------|-----------------------------|
| | Not shared ¹ | | Shared by | | Missing /Don't know | Not shared facility | | Shared by | | Missing /Don't know | | | |
| | Public facility | 5 or less households | Public household | More than 5 households | | Public household | 5 or less households | Public household | More than 5 households | | | | |
| Total | 35.9 | 1.3 | 9.8 | 4.5 | 0.0 | 19.1 | 1.2 | 3.9 | 0.8 | 0.0 | 23.5 | 100.0 | 182,165 |
| State | | | | | | | | | | | | | |
| Abia | 53.1 | 5.5 | 14.6 | 3.4 | 0.0 | 10.6 | 4.6 | 4.3 | 0.1 | 0.0 | 3.8 | 100.0 | 1,826 |
| Adamawa | 38.9 | 1.0 | 6.6 | 3.4 | 0.2 | 31.1 | 0.2 | 1.7 | 0.7 | 0.0 | 16.3 | 100.0 | 4,379 |
| Akwa Ibom | 46.3 | 0.6 | 23.4 | 7.3 | 0.1 | 9.6 | 0.6 | 3.5 | 1.3 | 0.0 | 7.3 | 100.0 | 3,893 |
| Anambra | 56.7 | 5.0 | 10.3 | 5.6 | 0.0 | 9.9 | 0.2 | 0.7 | 1.3 | 0.0 | 10.3 | 100.0 | 2,965 |
| Bauchi | 37.8 | 0.4 | 3.5 | 1.1 | 0.0 | 38.0 | 0.0 | 4.1 | 0.0 | 0.0 | 15.0 | 100.0 | 8,746 |
| Bayelsa | 20.9 | 2.0 | 5.1 | 2.3 | 0.0 | 2.7 | 34.0 | 1.1 | 0.5 | 0.1 | 31.2 | 100.0 | 1,279 |
| Benue | 22.2 | 0.4 | 5.9 | 2.1 | 0.0 | 13.0 | 0.3 | 3.8 | 1.2 | 0.0 | 51.2 | 100.0 | 5,012 |
| Borno | 52.3 | 0.0 | 20.4 | 1.6 | 0.0 | 16.7 | 0.5 | 3.9 | 0.8 | 0.0 | 3.8 | 100.0 | 11,063 |
| Cross River | 25.5 | 2.0 | 14.2 | 4.9 | 0.0 | 9.7 | 0.8 | 5.7 | 1.9 | 0.0 | 35.3 | 100.0 | 3,233 |
| Delta | 38.1 | 4.8 | 11.2 | 9.3 | 0.1 | 6.1 | 3.6 | 2.8 | 1.6 | 0.0 | 22.5 | 100.0 | 2,921 |
| Ebonyi | 12.1 | 5.0 | 2.8 | 1.3 | 0.0 | 21.0 | 7.2 | 4.1 | 1.0 | 0.0 | 45.6 | 100.0 | 2,248 |
| Edo | 51.6 | 9.5 | 7.8 | 5.1 | 0.0 | 6.8 | 0.8 | 3.3 | 1.3 | 0.0 | 13.9 | 100.0 | 2,339 |
| Ekiti | 25.5 | 0.7 | 19.0 | 5.1 | 0.1 | 2.4 | 0.1 | 7.3 | 0.6 | 0.2 | 39.0 | 100.0 | 1,128 |
| Enugu | 32.9 | 5.1 | 7.8 | 6.1 | 0.0 | 5.1 | 1.0 | 1.7 | 0.4 | 0.1 | 39.8 | 100.0 | 2,399 |
| Gombe | 42.9 | 0.0 | 3.1 | 0.6 | 0.1 | 29.6 | 0.1 | 3.9 | 0.2 | 0.0 | 19.5 | 100.0 | 3,291 |
| Imo | 57.8 | 2.8 | 10.7 | 1.9 | 0.0 | 11.3 | 0.6 | 1.4 | 0.1 | 0.0 | 13.3 | 100.0 | 3,270 |
| Jigawa | 32.8 | 1.9 | 1.0 | 1.0 | 0.0 | 35.6 | 0.7 | 3.7 | 0.3 | 0.0 | 23.0 | 100.0 | 8,019 |
| Kaduna | 29.4 | 0.8 | 12.6 | 8.6 | 0.0 | 25.9 | 0.2 | 10.5 | 1.7 | 0.0 | 10.3 | 100.0 | 10,418 |
| Kano | 55.1 | 0.8 | 5.9 | 1.6 | 0.1 | 26.3 | 0.3 | 4.5 | 1.0 | 0.0 | 4.6 | 100.0 | 13,560 |
| Katsina | 28.2 | 0.0 | 2.5 | 0.0 | 0.0 | 45.1 | 0.3 | 6.3 | 0.3 | 0.0 | 17.2 | 100.0 | 10,941 |
| Kebbi | 30.5 | 0.5 | 2.6 | 2.5 | 0.0 | 31.8 | 1.9 | 4.3 | 0.8 | 0.1 | 25.0 | 100.0 | 5,391 |
| Kogi | 21.7 | 3.8 | 5.6 | 1.5 | 0.2 | 1.6 | 1.7 | 0.8 | 0.1 | 0.6 | 62.5 | 100.0 | 3,152 |
| Kwara | 22.5 | 2.4 | 15.0 | 9.5 | 0.0 | 0.9 | 0.2 | 0.4 | 0.5 | 0.0 | 48.6 | 100.0 | 2,709 |
| Lagos | 44.0 | 0.5 | 22.8 | 28.7 | 0.1 | 0.5 | 0.3 | 0.2 | 0.3 | 0.0 | 2.5 | 100.0 | 7,576 |
| Nasarawa | 27.0 | 0.6 | 4.7 | 3.9 | 0.0 | 14.2 | 0.0 | 2.4 | 0.7 | 0.0 | 46.4 | 100.0 | 3,792 |
| Niger | 33.1 | 1.0 | 9.0 | 2.8 | 0.0 | 6.9 | 0.6 | 1.2 | 0.0 | 0.1 | 45.3 | 100.0 | 7,954 |
| Ogun | 31.5 | 0.4 | 23.1 | 13.7 | 0.0 | 3.5 | 0.3 | 5.3 | 2.5 | 0.0 | 19.6 | 100.0 | 2,317 |
| Ondo | 21.9 | 0.6 | 19.6 | 11.6 | 0.0 | 3.6 | 4.3 | 4.0 | 2.3 | 0.0 | 32.0 | 100.0 | 3,471 |
| Osun | 24.7 | 2.0 | 25.3 | 9.8 | 0.0 | 2.1 | 1.4 | 1.5 | 0.3 | 0.0 | 32.7 | 100.0 | 3,257 |
| Oyo | 21.6 | 1.6 | 24.0 | 8.4 | 0.0 | 0.3 | 0.0 | 0.6 | 1.0 | 0.0 | 42.5 | 100.0 | 5,508 |
| Plateau | 26.8 | 0.9 | 8.9 | 2.3 | 0.3 | 3.4 | 0.6 | 0.9 | 0.9 | 0.1 | 54.8 | 100.0 | 6,581 |
| Rivers | 38.7 | 5.6 | 14.3 | 8.0 | 0.0 | 2.2 | 10.3 | 1.0 | 0.2 | 0.0 | 19.8 | 100.0 | 3,729 |
| Sokoto | 40.7 | 0.4 | 5.6 | 0.4 | 0.0 | 18.6 | 0.1 | 1.8 | 0.2 | 0.0 | 32.1 | 100.0 | 5,164 |
| Taraba | 31.0 | 0.4 | 2.8 | 1.3 | 0.0 | 20.1 | 0.3 | 2.1 | 0.9 | 0.1 | 40.9 | 100.0 | 2,974 |
| Yobe | 20.7 | 0.0 | 2.1 | 0.1 | 0.0 | 34.5 | 0.6 | 4.6 | 0.0 | 0.0 | 37.4 | 100.0 | 6,511 |
| Zamfara | 41.2 | 0.3 | 2.5 | 0.6 | 0.0 | 35.0 | 1.5 | 12.2 | 2.4 | 0.0 | 4.4 | 100.0 | 7,663 |
| FCT Abuja | 40.9 | 0.8 | 12.9 | 4.9 | 0.0 | 3.0 | 0.2 | 1.0 | 1.2 | 0.1 | 35.1 | 100.0 | 1,489 |

¹ MICS indicator 4.3; MDG indicator 7.9 - Use of improved sanitation

Table WS.7: Drinking water and sanitation ladders

Percentage of household population by drinking water and sanitation ladders, Nigeria, 2016-17

| | Percentage of household population using: | | | | | | | | | | Number of household members |
|------------------------------------|---|----------------|---------------------------|--------------|----------------------------------|----------------------------|-----------------------|-----------------|--------------|---|-----------------------------|
| | Improved drinking water ^{1, a} | | | | Unimproved sanitation | | | | | Improved drinking water sources and improved sanitation | |
| | Piped into dwelling, plot or yard | Other improved | Unimproved drinking water | Total | Improved sanitation ² | Shared improved facilities | Unimproved facilities | Open defecation | Total | | |
| Total | 4.1 | 60.0 | 35.9 | 100.0 | 35.9 | 15.6 | 25.0 | 23.5 | 100.0 | 26.5 | 182,165 |
| Geopolitical zone | | | | | | | | | | | |
| North Central | 2.5 | 56.1 | 41.3 | 100.0 | 27.5 | 12.9 | 9.6 | 50.0 | 100.0 | 21.6 | 30,688 |
| North East | 3.4 | 49.0 | 47.6 | 100.0 | 39.2 | 10.2 | 32.4 | 18.2 | 100.0 | 22.8 | 36,964 |
| North West | 5.8 | 52.8 | 41.4 | 100.0 | 37.9 | 8.0 | 39.8 | 14.3 | 100.0 | 25.6 | 61,155 |
| South East | 1.6 | 78.5 | 19.9 | 100.0 | 44.1 | 17.4 | 16.5 | 22.0 | 100.0 | 37.6 | 12,708 |
| South South | 5.0 | 70.5 | 24.5 | 100.0 | 38.3 | 24.9 | 16.5 | 20.4 | 100.0 | 34.4 | 17,393 |
| South West | 3.5 | 83.8 | 12.7 | 100.0 | 30.6 | 39.9 | 5.4 | 24.1 | 100.0 | 29.4 | 23,257 |
| Residence | | | | | | | | | | | |
| Urban | 8.8 | 74.1 | 17.1 | 100.0 | 49.2 | 29.9 | 14.9 | 6.0 | 100.0 | 41.3 | 61,430 |
| Rural | 1.7 | 52.9 | 45.4 | 100.0 | 29.2 | 8.3 | 30.1 | 32.4 | 100.0 | 19.0 | 120,735 |
| Education of household head | | | | | | | | | | | |
| None | 2.0 | 52.6 | 45.4 | 100.0 | 24.4 | 8.6 | 29.9 | 37.1 | 100.0 | 15.9 | 39,653 |
| Non-formal | 2.5 | 47.7 | 49.8 | 100.0 | 33.0 | 7.8 | 40.8 | 18.4 | 100.0 | 18.6 | 36,506 |
| Primary | 2.3 | 63.0 | 34.7 | 100.0 | 31.7 | 17.4 | 22.8 | 28.1 | 100.0 | 23.9 | 34,678 |
| Secondary | 4.1 | 69.2 | 26.7 | 100.0 | 36.1 | 26.1 | 16.6 | 21.1 | 100.0 | 28.5 | 43,819 |
| Higher | 11.8 | 68.6 | 19.6 | 100.0 | 61.8 | 17.1 | 12.6 | 8.5 | 100.0 | 52.6 | 27,166 |
| Missing/Don't know | 3.6 | 68.5 | 27.9 | 100.0 | 33.8 | 19.8 | 27.9 | 18.4 | 100.0 | 27.5 | 344 |
| Wealth index quintile | | | | | | | | | | | |
| Poorest | 0.8 | 36.9 | 62.3 | 100.0 | 15.5 | 2.3 | 38.6 | 43.5 | 100.0 | 6.9 | 36,427 |
| Second | 1.5 | 51.1 | 47.5 | 100.0 | 24.8 | 5.0 | 37.9 | 32.3 | 100.0 | 14.4 | 36,454 |
| Middle | 1.5 | 58.7 | 39.8 | 100.0 | 32.4 | 13.2 | 28.8 | 25.5 | 100.0 | 20.0 | 36,404 |
| Fourth | 3.3 | 75.6 | 21.1 | 100.0 | 43.4 | 27.4 | 14.7 | 14.5 | 100.0 | 33.4 | 36,449 |
| Richest | 13.5 | 77.8 | 8.7 | 100.0 | 63.5 | 30.0 | 4.8 | 1.7 | 100.0 | 57.8 | 36,432 |
| Ethnicity of household head | | | | | | | | | | | |
| Hausa | 5.1 | 50.9 | 44.1 | 100.0 | 38.7 | 8.9 | 35.9 | 16.4 | 100.0 | 25.1 | 90,060 |
| Igbo | 3.6 | 78.1 | 18.3 | 100.0 | 44.4 | 22.7 | 14.3 | 18.6 | 100.0 | 39.0 | 18,007 |
| Yoruba | 3.0 | 86.1 | 10.9 | 100.0 | 30.6 | 39.2 | 6.4 | 23.8 | 100.0 | 29.1 | 21,721 |
| Other ethnic group | 3.1 | 58.7 | 38.2 | 100.0 | 30.4 | 14.8 | 17.5 | 37.2 | 100.0 | 23.5 | 52,376 |

¹ MICS indicator 4.1; MDG indicator 7.8 - Use of improved drinking water sources² MICS indicator 4.3; MDG indicator 7.9 - Use of improved sanitation^a Those indicating bottled water as the main source of drinking water are distributed according to the water source used for other purposes such as cooking and handwashing.

Table WS.7: Drinking water and sanitation ladders (continued)

Percentage of household population by drinking water and sanitation ladders, Nigeria, 2016-17

| | Percentage of household population using: | | | | | | | | | | Number of household members |
|---------------|---|----------------|---------------------------|--------------|----------------------------------|----------------------------|-----------------------|-----------------|--------------|---|-----------------------------|
| | Improved drinking water ^{1, a} | | | Total | Unimproved sanitation | | | | Total | Improved drinking water sources and improved sanitation | |
| | Piped into dwelling, plot or yard | Other improved | Unimproved drinking water | | Improved sanitation ² | Shared improved facilities | Unimproved facilities | Open defecation | | | |
| Total | 4.1 | 60.0 | 35.9 | 100.0 | 35.9 | 15.6 | 25.0 | 23.5 | 100.0 | 26.5 | 182,165 |
| States | | | | | | | | | | | |
| Abia | 4.0 | 79.5 | 16.5 | 100.0 | 53.1 | 23.5 | 19.6 | 3.8 | 100.0 | 46.1 | 1,826 |
| Adamawa | 2.9 | 51.0 | 46.1 | 100.0 | 38.9 | 11.2 | 33.6 | 16.3 | 100.0 | 20.6 | 4,379 |
| Akwa Ibom | 2.0 | 78.3 | 19.7 | 100.0 | 46.3 | 31.3 | 15.1 | 7.3 | 100.0 | 39.6 | 3,893 |
| Anambra | 2.9 | 81.5 | 15.6 | 100.0 | 56.7 | 21.0 | 12.0 | 10.3 | 100.0 | 50.7 | 2,965 |
| Bauchi | 2.8 | 57.4 | 39.8 | 100.0 | 37.8 | 5.0 | 42.1 | 15.0 | 100.0 | 27.0 | 8,746 |
| Bayelsa | 2.3 | 58.3 | 39.4 | 100.0 | 20.9 | 9.4 | 38.5 | 31.2 | 100.0 | 17.0 | 1,279 |
| Benue | 0.2 | 64.1 | 35.7 | 100.0 | 22.2 | 8.3 | 18.3 | 51.2 | 100.0 | 17.3 | 5,012 |
| Borno | 2.5 | 44.5 | 53.0 | 100.0 | 52.3 | 22.0 | 21.9 | 3.8 | 100.0 | 26.7 | 11,063 |
| Cross River | 3.6 | 50.3 | 46.1 | 100.0 | 25.5 | 21.1 | 18.1 | 35.3 | 100.0 | 20.4 | 3,233 |
| Delta | 5.4 | 74.1 | 20.6 | 100.0 | 38.1 | 25.3 | 14.1 | 22.5 | 100.0 | 35.1 | 2,921 |
| Ebonyi | 0.2 | 76.2 | 23.6 | 100.0 | 12.1 | 9.1 | 33.2 | 45.6 | 100.0 | 10.4 | 2,248 |
| Edo | 6.1 | 81.8 | 12.1 | 100.0 | 51.6 | 22.4 | 12.1 | 13.9 | 100.0 | 49.0 | 2,339 |
| Ekiti | 3.6 | 80.8 | 15.6 | 100.0 | 25.5 | 24.9 | 10.5 | 39.0 | 100.0 | 23.6 | 1,128 |
| Enugu | 1.5 | 57.7 | 40.8 | 100.0 | 32.9 | 19.0 | 8.3 | 39.8 | 100.0 | 16.6 | 2,399 |
| Gombe | 4.8 | 34.3 | 60.8 | 100.0 | 42.9 | 3.8 | 33.8 | 19.5 | 100.0 | 20.0 | 3,291 |
| Imo | 0.3 | 91.9 | 7.8 | 100.0 | 57.8 | 15.3 | 13.5 | 13.3 | 100.0 | 54.9 | 3,270 |
| Jigawa | 7.0 | 72.5 | 20.6 | 100.0 | 32.8 | 3.9 | 40.3 | 23.0 | 100.0 | 28.6 | 8,019 |
| Kaduna | 3.5 | 57.6 | 38.9 | 100.0 | 29.4 | 22.0 | 38.3 | 10.3 | 100.0 | 23.1 | 10,418 |
| Kano | 7.8 | 50.1 | 42.1 | 100.0 | 55.1 | 8.2 | 32.0 | 4.6 | 100.0 | 33.8 | 13,560 |
| Katsina | 6.1 | 54.6 | 39.2 | 100.0 | 28.2 | 2.6 | 52.0 | 17.2 | 100.0 | 21.6 | 10,941 |
| Kebbi | 4.7 | 50.7 | 44.7 | 100.0 | 30.5 | 5.6 | 38.9 | 25.0 | 100.0 | 22.8 | 5,391 |
| Kogi | 0.5 | 69.7 | 29.8 | 100.0 | 21.7 | 11.1 | 4.8 | 62.5 | 100.0 | 18.9 | 3,152 |
| Kwara | 1.7 | 84.1 | 14.2 | 100.0 | 22.5 | 26.9 | 2.0 | 48.6 | 100.0 | 22.1 | 2,709 |
| Lagos | 8.4 | 85.2 | 6.4 | 100.0 | 44.0 | 52.1 | 1.4 | 2.5 | 100.0 | 42.5 | 7,576 |
| Nasarawa | 0.3 | 54.5 | 45.2 | 100.0 | 27.0 | 9.2 | 17.3 | 46.4 | 100.0 | 20.4 | 3,792 |
| Niger | 2.5 | 50.4 | 47.1 | 100.0 | 33.1 | 12.8 | 8.8 | 45.3 | 100.0 | 23.8 | 7,954 |
| Ogun | 1.9 | 86.6 | 11.4 | 100.0 | 31.5 | 37.2 | 11.7 | 19.6 | 100.0 | 31.1 | 2,317 |
| Ondo | 0.3 | 79.2 | 20.4 | 100.0 | 21.9 | 31.9 | 14.3 | 32.0 | 100.0 | 21.3 | 3,471 |
| Osun | 1.3 | 87.2 | 11.5 | 100.0 | 24.7 | 37.1 | 5.4 | 32.7 | 100.0 | 23.0 | 3,257 |
| Oyo | 0.7 | 82.1 | 17.2 | 100.0 | 21.6 | 34.0 | 1.9 | 42.5 | 100.0 | 20.6 | 5,508 |
| Plateau | 4.4 | 38.5 | 57.1 | 100.0 | 26.8 | 12.5 | 5.8 | 54.8 | 100.0 | 21.3 | 6,581 |
| Rivers | 9.4 | 74.0 | 16.5 | 100.0 | 38.7 | 27.9 | 13.6 | 19.8 | 100.0 | 37.3 | 3,729 |
| Sokoto | 4.4 | 28.2 | 67.4 | 100.0 | 40.7 | 6.4 | 20.8 | 32.1 | 100.0 | 16.9 | 5,164 |
| Taraba | 3.7 | 34.5 | 61.8 | 100.0 | 31.0 | 4.5 | 23.5 | 40.9 | 100.0 | 17.7 | 2,974 |
| Yobe | 5.2 | 58.0 | 36.8 | 100.0 | 20.7 | 2.2 | 39.6 | 37.4 | 100.0 | 15.4 | 6,511 |
| Zamfara | 5.8 | 45.7 | 48.5 | 100.0 | 41.2 | 3.4 | 51.0 | 4.4 | 100.0 | 25.1 | 7,663 |
| FCT Abuja | 13.8 | 61.8 | 24.4 | 100.0 | 40.9 | 18.6 | 5.5 | 35.1 | 100.0 | 34.3 | 1,489 |

¹ MICS indicator 4.1; MDG indicator 7.8 - Use of improved drinking water sources² MICS indicator 4.3; MDG indicator 7.9 - Use of improved sanitation^a Those indicating bottled water as the main source of drinking water are distributed according to the water source used for other purposes such as cooking and handwashing.

Table WS.8: Disposal of child's faeces

Percent distribution of children age 0-2 years according to place of disposal of child's faeces, and the percentage of children age 0-2 years whose stools were disposed of safely the last time the child passed stools, Nigeria, 2016-17

| | Place of disposal of child's faeces | | | | | | | | | | Percentage of children whose last stools were disposed of safely ¹ | Number of children age 0-2 years |
|--|-------------------------------------|-----------------------------------|--------------------------------|---------------------|------------|------------------|------------|------------|------------|--------------|---|----------------------------------|
| | Child used toilet/latrine | Put/rinsed into toilet or latrine | Put/rinsed into drain or ditch | Thrown into garbage | Buried | Left in the open | Other | Don't know | Missing | Total | | |
| Total | 6.6 | 51.5 | 6.9 | 24.8 | 4.4 | 2.2 | 2.8 | 0.6 | 0.2 | 100.0 | 58.1 | 16,480 |
| Type of sanitation facility used by household members | | | | | | | | | | | | |
| Improved | 8.5 | 65.4 | 5.2 | 16.1 | 1.8 | 0.7 | 1.5 | 0.7 | 0.2 | 100.0 | 73.8 | 8,208 |
| Unimproved | 7.4 | 63.8 | 6.0 | 15.1 | 4.6 | 1.1 | 1.4 | 0.3 | 0.1 | 100.0 | 71.3 | 4,379 |
| Open defecation | 1.6 | 8.6 | 11.3 | 54.3 | 9.5 | 6.5 | 7.1 | 0.8 | 0.4 | 100.0 | 10.1 | 3,892 |
| Geopolitical zone | | | | | | | | | | | | |
| North Central | 3.5 | 26.8 | 9.4 | 42.7 | 4.0 | 6.0 | 5.2 | 1.7 | 0.7 | 100.0 | 30.2 | 2,643 |
| North East | 4.3 | 60.6 | 6.1 | 21.2 | 4.7 | 1.6 | 1.3 | 0.2 | 0.0 | 100.0 | 65.0 | 3,499 |
| North West | 10.6 | 61.6 | 6.2 | 14.6 | 4.2 | 0.8 | 1.3 | 0.5 | 0.2 | 100.0 | 72.2 | 6,286 |
| South East | 4.4 | 41.5 | 6.3 | 32.2 | 5.2 | 2.6 | 6.7 | 0.6 | 0.5 | 100.0 | 45.9 | 926 |
| South South | 3.9 | 40.0 | 7.6 | 33.8 | 8.0 | 2.5 | 3.4 | 0.7 | 0.2 | 100.0 | 43.9 | 1,347 |
| South West | 4.5 | 49.0 | 6.5 | 31.2 | 1.7 | 1.9 | 4.8 | 0.4 | 0.0 | 100.0 | 53.5 | 1,779 |
| Residence | | | | | | | | | | | | |
| Urban | 7.6 | 63.1 | 5.4 | 18.6 | 1.6 | 0.7 | 2.0 | 0.9 | 0.1 | 100.0 | 70.6 | 5,006 |
| Rural | 6.1 | 46.5 | 7.5 | 27.6 | 5.6 | 2.8 | 3.1 | 0.5 | 0.3 | 100.0 | 52.7 | 11,473 |
| Mother's education | | | | | | | | | | | | |
| None | 5.1 | 47.0 | 8.7 | 27.1 | 5.8 | 2.6 | 2.8 | 0.6 | 0.1 | 100.0 | 52.09 | 4,713 |
| Non-formal | 8.1 | 61.7 | 5.2 | 17.9 | 3.6 | 1.4 | 1.4 | 0.5 | 0.2 | 100.0 | 69.80 | 3,589 |
| Primary | 7.1 | 44.8 | 7.7 | 27.3 | 5.2 | 3.2 | 3.6 | 0.7 | 0.4 | 100.0 | 51.91 | 2,464 |
| Secondary | 5.4 | 51.1 | 6.3 | 26.6 | 3.8 | 2.2 | 3.7 | 0.8 | 0.2 | 100.0 | 56.56 | 4,421 |
| Higher | 10.4 | 54.4 | 5.1 | 25.1 | 1.9 | 0.5 | 1.7 | 0.8 | 0.3 | 100.0 | 64.75 | 1,292 |
| Missing/Don't know | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 100.00 | 1 |
| Wealth index quintile | | | | | | | | | | | | |
| Poorest | 5.3 | 40.8 | 8.0 | 31.8 | 7.8 | 3.3 | 2.4 | 0.5 | 0.1 | 100.0 | 46.1 | 3,674 |
| Second | 7.5 | 49.0 | 7.6 | 24.7 | 5.0 | 2.7 | 2.9 | 0.4 | 0.3 | 100.0 | 56.5 | 3,542 |
| Middle | 5.6 | 51.9 | 7.0 | 24.4 | 3.7 | 2.5 | 3.9 | 0.6 | 0.4 | 100.0 | 57.4 | 3,212 |
| Fourth | 5.9 | 57.0 | 7.6 | 20.0 | 3.6 | 1.5 | 3.4 | 0.8 | 0.2 | 100.0 | 62.9 | 3,103 |
| Richest | 8.8 | 61.9 | 3.6 | 21.9 | 1.0 | 0.4 | 1.2 | 1.0 | 0.1 | 100.0 | 70.7 | 2,949 |
| Ethnicity of household head | | | | | | | | | | | | |
| Hausa | 8.0 | 60.0 | 6.9 | 17.1 | 4.6 | 1.4 | 1.3 | 0.6 | 0.2 | 100.0 | 68.0 | 9,148 |
| Igbo | 4.0 | 44.2 | 6.2 | 33.3 | 3.8 | 2.1 | 5.3 | 0.5 | 0.5 | 100.0 | 48.2 | 1,389 |
| Yoruba | 5.6 | 51.2 | 6.1 | 28.2 | 1.8 | 2.3 | 4.4 | 0.5 | 0.1 | 100.0 | 56.8 | 1,549 |
| Other ethnic group | 4.8 | 36.3 | 7.2 | 37.2 | 5.1 | 3.7 | 4.6 | 0.9 | 0.3 | 100.0 | 41.1 | 4,393 |

¹ MICS indicator 4.4 - Safe disposal of child's faeces

Table WS.8: Disposal of child's faeces (continued)

Percent distribution of children age 0-2 years according to place of disposal of child's faeces, and the percentage of children age 0-2 years whose stools were disposed of safely the last time the child passed stools, Nigeria, 2016-17

| | Place of disposal of child's faeces | | | | | | | | | Total | Percentage of children whose last stools were disposed of safely ¹ | Number of children age 0-2 years |
|--------------------|-------------------------------------|-----------------------------------|--------------------------------|---------------------|------------|------------------|------------|------------|------------|--------------|---|----------------------------------|
| | Child used toilet/latrine | Put/rinsed into toilet or latrine | Put/rinsed into drain or ditch | Thrown into garbage | Buried | Left in the open | Other | Don't know | Missing | | | |
| Total State | 6.6 | 51.5 | 6.9 | 24.8 | 4.4 | 2.2 | 2.8 | 0.6 | 0.2 | 100.0 | 58.1 | 16,480 |
| Abia | 3.7 | 50.8 | 7.3 | 31.3 | 3.8 | 0.5 | 0.6 | 1.1 | 0.9 | 100.0 | 54.4 | 140 |
| Adamawa | 15.7 | 40.6 | 8.4 | 14.0 | 9.3 | 8.3 | 2.1 | 1.6 | 0.0 | 100.0 | 56.3 | 375 |
| Akwa Ibom | 7.8 | 51.6 | 5.3 | 20.3 | 9.7 | 3.1 | 0.4 | 1.1 | 0.7 | 100.0 | 59.4 | 357 |
| Anambra | 5.4 | 51.5 | 3.6 | 32.0 | 2.3 | 0.3 | 3.7 | 1.1 | 0.0 | 100.0 | 56.9 | 218 |
| Bauchi | 1.3 | 71.1 | 9.6 | 13.3 | 3.3 | 0.4 | 0.9 | 0.1 | 0.0 | 100.0 | 72.4 | 903 |
| Bayelsa | 1.6 | 19.1 | 18.2 | 35.6 | 1.7 | 0.0 | 23.7 | 0.3 | 0.0 | 100.0 | 20.7 | 100 |
| Benue | 0.4 | 14.2 | 7.3 | 57.6 | 4.9 | 5.7 | 7.4 | 2.4 | 0.0 | 100.0 | 14.7 | 382 |
| Borno | 5.1 | 73.6 | 2.2 | 12.6 | 3.6 | 0.7 | 2.1 | 0.0 | 0.0 | 100.0 | 78.8 | 1,034 |
| Cross River | 2.8 | 39.7 | 10.6 | 36.6 | 7.0 | 1.2 | 1.1 | 1.0 | 0.0 | 100.0 | 42.6 | 234 |
| Delta | 1.4 | 36.8 | 7.2 | 33.1 | 8.5 | 7.2 | 4.9 | 0.9 | 0.0 | 100.0 | 38.2 | 246 |
| Ebonyi | 3.8 | 36.2 | 11.2 | 33.8 | 8.1 | 4.9 | 0.7 | 0.0 | 1.3 | 100.0 | 39.9 | 166 |
| Edo | 3.7 | 44.0 | 4.0 | 42.7 | 4.0 | 1.2 | 0.0 | 0.4 | 0.0 | 100.0 | 47.7 | 165 |
| Ekiti | 11.1 | 40.3 | 5.7 | 25.9 | 0.4 | 1.3 | 15.2 | 0.0 | 0.0 | 100.0 | 51.5 | 72 |
| Enugu | 6.6 | 36.9 | 4.4 | 31.0 | 5.0 | 5.1 | 11.1 | 0.0 | 0.0 | 100.0 | 43.5 | 160 |
| Gombe | 3.4 | 56.9 | 7.4 | 28.5 | 1.3 | 1.6 | 0.8 | 0.0 | 0.0 | 100.0 | 60.3 | 326 |
| Imo | 2.8 | 33.7 | 5.9 | 32.5 | 6.9 | 2.8 | 14.1 | 0.7 | 0.7 | 100.0 | 36.5 | 242 |
| Jigawa | 9.6 | 56.5 | 15.9 | 11.6 | 1.9 | 0.0 | 3.7 | 0.9 | 0.0 | 100.0 | 66.1 | 840 |
| Kaduna | 1.4 | 62.5 | 5.3 | 19.4 | 9.4 | 0.2 | 1.7 | 0.3 | 0.0 | 100.0 | 63.8 | 922 |
| Kano | 27.8 | 55.4 | 6.2 | 7.1 | 1.7 | 0.7 | 0.7 | 0.3 | 0.1 | 100.0 | 83.3 | 1,397 |
| Katsina | 13.1 | 68.1 | 2.2 | 10.6 | 5.2 | 0.4 | 0.4 | 0.1 | 0.0 | 100.0 | 81.2 | 1,249 |
| Kebbi | 2.4 | 41.9 | 7.5 | 29.2 | 10.4 | 4.4 | 1.4 | 1.6 | 1.3 | 100.0 | 44.3 | 538 |
| Kogi | 3.3 | 25.7 | 4.2 | 39.2 | 8.5 | 0.7 | 7.5 | 2.1 | 8.8 | 100.0 | 29.0 | 199 |
| Kwara | 7.1 | 40.5 | 8.0 | 31.2 | 1.3 | 6.7 | 5.1 | 0.0 | 0.0 | 100.0 | 47.6 | 192 |
| Lagos | 2.7 | 61.1 | 4.8 | 31.0 | 0.2 | 0.0 | 0.2 | 0.0 | 0.0 | 100.0 | 63.8 | 644 |
| Nasarawa | 8.7 | 22.3 | 18.9 | 34.6 | 6.7 | 8.0 | 0.9 | 0.0 | 0.0 | 100.0 | 30.9 | 348 |
| Niger | 1.5 | 33.6 | 14.5 | 40.0 | 3.0 | 5.1 | 1.1 | 1.2 | 0.0 | 100.0 | 35.1 | 777 |
| Ogun | 2.3 | 59.0 | 5.2 | 20.9 | 5.0 | 0.0 | 7.6 | 0.0 | 0.0 | 100.0 | 61.3 | 172 |
| Ondo | 4.7 | 40.2 | 4.4 | 22.7 | 4.6 | 5.2 | 15.7 | 2.4 | 0.0 | 100.0 | 44.9 | 244 |
| Osun | 1.2 | 43.0 | 8.7 | 33.8 | 4.0 | 4.4 | 4.1 | 0.8 | 0.0 | 100.0 | 44.2 | 215 |
| Oyo | 8.6 | 36.3 | 9.6 | 40.0 | 0.2 | 2.3 | 3.0 | 0.0 | 0.0 | 100.0 | 44.9 | 432 |
| Plateau | 4.1 | 22.0 | 2.1 | 47.2 | 3.0 | 8.7 | 9.1 | 3.9 | 0.0 | 100.0 | 26.1 | 615 |
| Rivers | 2.8 | 32.3 | 6.9 | 44.6 | 11.0 | 0.0 | 2.5 | 0.0 | 0.0 | 100.0 | 35.0 | 245 |
| Sokoto | 0.9 | 53.7 | 4.0 | 37.5 | 2.6 | 0.2 | 0.9 | 0.2 | 0.0 | 100.0 | 54.6 | 548 |
| Taraba | 2.9 | 32.9 | 12.2 | 35.9 | 14.7 | 1.0 | 0.4 | 0.0 | 0.0 | 100.0 | 35.8 | 251 |
| Yobe | 1.6 | 48.7 | 3.0 | 41.7 | 3.4 | 0.9 | 0.6 | 0.0 | 0.0 | 100.0 | 50.3 | 611 |
| Zamfara | 0.4 | 85.6 | 4.2 | 6.0 | 0.6 | 0.9 | 1.2 | 0.6 | 0.5 | 100.0 | 86.0 | 793 |
| FCT Abuja | 1.9 | 38.6 | 4.9 | 37.7 | 2.0 | 2.2 | 12.2 | 0.2 | 0.3 | 100.0 | 40.4 | 130 |

¹ MICS indicator 4.4 - Safe disposal of child's faeces

Handwashing

Table WS.9: Water and soap at place for handwashing

Percentage of households where place for handwashing was observed, percentage with no specific place for handwashing, and percent distribution of households by availability of water and soap at specific place for handwashing, Nigeria, 2016-17

| | <u>Percentage of households:</u> | | | <u>Place for handwashing observed</u> | | | | | | | Total | Percentage of households with a specific place for handwashing where water and soap or other cleansing agent are present ¹ | Number of households where handwashing was observed or with no specific place for handwashing in the dwelling, yard, or plot |
|------------------------------------|--|---|----------------------|---------------------------------------|-------------------|------------------------|------------------------------------|-------------------|------------------------|--|--------------|---|--|
| | Where place for handwashing was observed | With no specific place for handwashing in the dwelling, yard, or plot | Number of households | <u>Water is available and:</u> | | | <u>Water is not available and:</u> | | | No specific place for handwashing in the dwelling, yard, or plot | | | |
| | | | | Soap present | Ash, sand present | No other agent present | Soap present | Ash, sand present | No other agent present | | | | |
| | | | | No soap: | No soap: | No soap: | No soap: | No soap: | No soap: | | | | |
| Total | 22.5 | 72.5 | 33901 | 12.4 | 0.1 | 3.9 | 1.4 | 0.0 | 5.9 | 76.3 | 100.0 | 12.4 | 32,192 |
| Geopolitical zones | | | | | | | | | | | | | |
| North Central | 16.6 | 74.7 | 5435 | 10.0 | 0.0 | 1.9 | 1.5 | 0.0 | 4.7 | 81.8 | 100.0 | 10.0 | 4,961 |
| North East | 27.8 | 68.4 | 5581 | 13.3 | 0.3 | 8.6 | 0.9 | 0.0 | 5.8 | 71.1 | 100.0 | 13.5 | 5,371 |
| North West | 28.1 | 65.7 | 9128 | 11.9 | 0.1 | 5.5 | 2.0 | 0.0 | 10.4 | 70.0 | 100.0 | 12.0 | 8,568 |
| South East | 13.7 | 83.1 | 3132 | 10.0 | 0.0 | 1.4 | 1.3 | 0.0 | 1.5 | 85.8 | 100.0 | 10.0 | 3,031 |
| South South | 19.0 | 77.8 | 4281 | 14.7 | 0.0 | 1.8 | 0.8 | 0.0 | 2.2 | 80.4 | 100.0 | 14.7 | 4,140 |
| South West | 21.4 | 75.1 | 6344 | 13.6 | 0.0 | 1.7 | 1.5 | 0.0 | 5.4 | 77.8 | 100.0 | 13.6 | 6,122 |
| Residence | | | | | | | | | | | | | |
| Urban | 28.6 | 67.0 | 12421 | 19.2 | 0.0 | 3.1 | 2.0 | 0.0 | 5.5 | 70.1 | 100.0 | 19.3 | 11,871 |
| Rural | 18.9 | 75.7 | 21480 | 8.3 | 0.1 | 4.3 | 1.1 | 0.0 | 6.1 | 80.0 | 100.0 | 8.4 | 20,321 |
| Education of household head | | | | | | | | | | | | | |
| None | 18.2 | 76.3 | 7443 | 7.0 | 0.1 | 4.6 | 1.0 | 0.0 | 6.6 | 80.7 | 100.0 | 7.1 | 7,036 |
| Non-formal | 23.9 | 70.8 | 5269 | 7.2 | 0.2 | 6.3 | 1.6 | 0.0 | 9.9 | 74.8 | 100.0 | 7.4 | 4,992 |
| Primary | 17.5 | 78.3 | 6558 | 9.1 | 0.0 | 3.3 | 1.1 | 0.0 | 4.8 | 81.7 | 100.0 | 9.1 | 6,289 |
| Secondary | 20.8 | 74.5 | 9047 | 12.5 | 0.0 | 2.8 | 1.4 | 0.0 | 5.1 | 78.1 | 100.0 | 12.6 | 8,627 |
| Higher | 35.4 | 58.6 | 5526 | 28.3 | 0.0 | 3.0 | 2.4 | 0.0 | 3.9 | 62.4 | 100.0 | 28.3 | 5,196 |
| Missing/Don't know | 20.2 | 69.9 | 58 | 11.3 | 0.0 | 1.4 | 1.5 | 0.0 | 8.2 | 77.6 | 100.0 | 11.3 | 52 |
| Wealth index quintile | | | | | | | | | | | | | |
| Poorest | 19.1 | 74.4 | 5592 | 3.8 | 0.1 | 6.1 | 0.9 | 0.0 | 9.4 | 79.6 | 100.0 | 3.9 | 5,227 |
| Second | 18.0 | 75.0 | 6328 | 5.6 | 0.2 | 5.2 | 1.1 | 0.0 | 7.3 | 80.6 | 100.0 | 5.8 | 5,885 |
| Middle | 17.4 | 78.5 | 6897 | 7.9 | 0.0 | 3.5 | 1.4 | 0.0 | 5.4 | 81.8 | 100.0 | 7.9 | 6,617 |
| Fourth | 20.0 | 76.4 | 7259 | 11.6 | 0.0 | 2.7 | 1.4 | 0.0 | 5.0 | 79.3 | 100.0 | 11.7 | 6,992 |
| Richest | 35.3 | 60.2 | 7825 | 28.3 | 0.0 | 2.7 | 2.2 | 0.0 | 3.7 | 63.1 | 100.0 | 28.3 | 7,472 |
| Ethnicity of household head | | | | | | | | | | | | | |
| Hausa | 27.3 | 67.4 | 13433 | 11.6 | 0.2 | 6.7 | 1.7 | 0.0 | 8.6 | 71.2 | 100.0 | 11.7 | 12,721 |
| Igbo | 18.1 | 78.3 | 4436 | 13.6 | 0.0 | 1.5 | 1.5 | 0.0 | 2.1 | 81.2 | 100.0 | 13.7 | 4,279 |
| Yoruba | 21.1 | 75.6 | 5873 | 13.0 | 0.0 | 1.8 | 1.4 | 0.0 | 5.7 | 78.1 | 100.0 | 13.0 | 5,680 |
| Other ethnic group | 18.8 | 74.8 | 10159 | 12.5 | 0.0 | 2.4 | 1.1 | 0.0 | 4.1 | 79.9 | 100.0 | 12.5 | 9,512 |

¹ MICS indicator 4.5 - Place for handwashing

Table WS.9: Water and soap at place for handwashing (continued)

Percentage of households where place for handwashing was observed, percentage with no specific place for handwashing, and percent distribution of households by availability of water and soap at specific place for handwashing, Nigeria, 2016-17

| | <u>Percentage of households:</u> | | | <u>Place for handwashing observed</u> | | | | | | | Total | Percentage of households with a specific place for handwashing where water and soap or other cleansing agent are present ¹ | Number of households where place for handwashing was observed or with no specific place for handwashing in the dwelling, yard, or plot |
|---------------|--|---|----------------------|---------------------------------------|---------------------------|----------------------------------|------------------------------------|---------------------------|----------------------------------|--|--------------|---|--|
| | Where place for handwashing was observed | With no specific place for handwashing in the dwelling, yard, or plot | Number of households | <u>Water is available and:</u> | | | <u>Water is not available and:</u> | | | | | | |
| | | | | Soap present | <u>No soap:</u> | | Soap present | <u>No soap:</u> | | No specific place for handwashing in the dwelling, yard, or plot | | | |
| | | | | | Ash, mud, or sand present | No other cleansing agent present | | Ash, mud, or sand present | No other cleansing agent present | | | | |
| Total | 22.5 | 72.5 | 33,901 | 12.4 | 0.1 | 3.9 | 1.4 | 0.0 | 5.9 | 76.3 | 100.0 | 12.4 | 32,192 |
| States | | | | | | | | | | | | | |
| Abia | 6.0 | 90.5 | 472 | 4.0 | 0.0 | 0.8 | 0.5 | 0.0 | 0.9 | 93.8 | 100.0 | 4.0 | 455 |
| Adamawa | 23.6 | 69.0 | 735 | 14.9 | 0.8 | 0.3 | 1.7 | 0.0 | 7.7 | 74.5 | 100.0 | 15.8 | 681 |
| Ibom | 17.0 | 78.6 | 844 | 15.4 | 0.1 | 1.7 | 0.3 | 0.0 | 0.3 | 82.2 | 100.0 | 15.5 | 807 |
| Anambra | 10.5 | 85.7 | 719 | 5.4 | 0.0 | 0.6 | 3.4 | 0.0 | 1.5 | 89.1 | 100.0 | 5.4 | 692 |
| Bauchi | 28.4 | 69.7 | 1384 | 7.6 | 0.0 | 15.6 | 0.9 | 0.0 | 4.9 | 71.0 | 100.0 | 7.6 | 1,358 |
| Bayelsa | 10.1 | 87.6 | 308 | 5.7 | 0.0 | 1.1 | 1.8 | 0.0 | 1.8 | 89.6 | 100.0 | 5.7 | 301 |
| Benue | 15.7 | 56.5 | 987 | 8.6 | 0.0 | 2.2 | 2.9 | 0.0 | 8.1 | 78.2 | 100.0 | 8.6 | 713 |
| Borno | 30.4 | 68.1 | 1493 | 23.1 | 0.4 | 4.6 | 0.5 | 0.0 | 2.3 | 69.1 | 100.0 | 23.5 | 1,471 |
| Cross River | 8.4 | 90.9 | 778 | 6.0 | 0.0 | 1.1 | 0.8 | 0.0 | 0.6 | 91.5 | 100.0 | 6.0 | 773 |
| Delta | 20.5 | 73.5 | 740 | 18.2 | 0.0 | 1.1 | 1.0 | 0.0 | 1.5 | 78.2 | 100.0 | 18.2 | 695 |
| Ebonyi | 13.7 | 82.7 | 535 | 11.8 | 0.0 | 1.8 | 0.2 | 0.0 | 0.4 | 85.8 | 100.0 | 11.8 | 516 |
| Edo | 36.2 | 62.5 | 654 | 23.3 | 0.0 | 2.0 | 1.8 | 0.0 | 9.5 | 63.3 | 100.0 | 23.3 | 646 |
| Ekiti | 6.4 | 91.5 | 351 | 4.6 | 0.0 | 0.4 | 0.9 | 0.0 | 0.5 | 93.5 | 100.0 | 4.6 | 344 |
| Enugu | 14.7 | 83.8 | 610 | 8.5 | 0.0 | 1.5 | 0.9 | 0.0 | 4.1 | 85.0 | 100.0 | 8.5 | 601 |
| Gombe | 36.6 | 55.8 | 529 | 16.0 | 0.0 | 4.1 | 2.0 | 0.0 | 17.5 | 60.4 | 100.0 | 16.0 | 488 |
| Imo | 20.4 | 75.9 | 796 | 17.9 | 0.0 | 2.1 | 0.7 | 0.0 | 0.5 | 78.8 | 100.0 | 17.9 | 767 |
| Jigawa | 46.9 | 52.2 | 1147 | 16.4 | 0.0 | 8.7 | 3.0 | 0.0 | 19.2 | 52.7 | 100.0 | 16.4 | 1,136 |

Table WS.9: Water and soap at place for handwashing (continued)

Percentage of households where place for handwashing was observed, percentage with no specific place for handwashing, and percent distribution of households by availability of water and soap at specific place for handwashing, Nigeria, 2016-17

| | <u>Percentage of households:</u> | | <u>Place for handwashing observed</u> | | | | | | | | Total | Percentage of households with a specific place for handwashing where water and soap or other cleansing agent are present ¹ | Number of households where place for handwashing was observed or with no specific place for handwashing in the dwelling, yard, or plot |
|---------------|--|---|---------------------------------------|--------------|---------------------------|----------------------------------|------------------------------------|--|---------------------------|----------------------------------|-------|---|--|
| | Where place for handwashing was observed | With no specific place for handwashing in the dwelling, yard, or plot | <u>Water is available and:</u> | | | | <u>Water is not available and:</u> | | | | | | |
| | | | Number of households | Soap present | <u>No soap:</u> | | Soap present | No specific place for handwashing in the dwelling, yard, or plot | <u>No soap:</u> | | | | |
| | | | | | Ash, mud, or sand present | No other cleansing agent present | | | Ash, mud, or sand present | No other cleansing agent present | | | |
| States | | | | | | | | | | | | | |
| Kaduna | 24.6 | 70.8 | 1646 | 16.7 | 0.0 | 3.2 | 0.5 | 0.0 | 5.4 | 74.2 | 100.0 | 16.7 | 1,570 |
| Kano | 43.6 | 50.8 | 1894 | 15.9 | 0.4 | 9.9 | 2.1 | 0.2 | 17.8 | 53.8 | 100.0 | 16.3 | 1,789 |
| Katsina | 31.9 | 63.1 | 1705 | 13.2 | 0.0 | 5.8 | 4.4 | 0.0 | 10.3 | 66.4 | 100.0 | 13.2 | 1,620 |
| Kebbi | 10.2 | 76.4 | 838 | 5.3 | 0.0 | 2.4 | 0.5 | 0.0 | 3.6 | 88.2 | 100.0 | 5.3 | 725 |
| Kogi | 13.0 | 76.5 | 649 | 9.9 | 0.0 | 1.7 | 1.0 | 0.0 | 2.0 | 85.4 | 100.0 | 9.9 | 580 |
| Kwara | 15.6 | 80.8 | 639 | 5.4 | 0.0 | 2.0 | 0.5 | 0.0 | 8.2 | 83.8 | 100.0 | 5.4 | 615 |
| Lagos | 31.9 | 64.4 | 1974 | 24.8 | 0.0 | 2.7 | 1.4 | 0.0 | 4.2 | 66.9 | 100.0 | 24.8 | 1,900 |
| Nasarawa | 4.4 | 94.0 | 630 | 1.1 | 0.0 | 0.1 | 0.2 | 0.0 | 3.0 | 95.5 | 100.0 | 1.1 | 620 |
| Niger | 26.6 | 70.3 | 1211 | 16.2 | 0.0 | 2.6 | 2.5 | 0.0 | 6.0 | 72.5 | 100.0 | 16.2 | 1,174 |
| Ogun | 10.7 | 86.1 | 608 | 9.7 | 0.0 | 0.6 | 0.3 | 0.0 | 0.5 | 88.9 | 100.0 | 9.7 | 589 |
| Ondo | 21.7 | 72.9 | 1025 | 7.7 | 0.0 | 1.0 | 1.7 | 0.0 | 12.5 | 77.1 | 100.0 | 7.7 | 970 |
| Osun | 15.8 | 82.6 | 916 | 7.5 | 0.0 | 2.0 | 2.7 | 0.0 | 3.8 | 83.9 | 100.0 | 7.5 | 902 |
| Oyo | 18.7 | 77.7 | 1470 | 10.4 | 0.0 | 1.2 | 1.4 | 0.0 | 6.2 | 80.6 | 100.0 | 10.4 | 1,417 |
| Plateau | 13.8 | 81.7 | 1051 | 10.4 | 0.0 | 2.1 | 1.1 | 0.0 | 0.8 | 85.6 | 100.0 | 10.4 | 1,003 |
| Rivers | 19.1 | 76.8 | 957 | 15.5 | 0.0 | 3.2 | 0.2 | 0.1 | 0.8 | 80.1 | 100.0 | 15.5 | 918 |
| Sokoto | 4.1 | 79.5 | 820 | 0.7 | 0.0 | 0.7 | 0.8 | 0.0 | 2.7 | 95.1 | 100.0 | 0.7 | 685 |
| Taraba | 12.0 | 83.0 | 527 | 3.0 | 0.0 | 3.1 | 0.5 | 0.0 | 6.0 | 87.4 | 100.0 | 3.0 | 500 |
| Yobe | 30.1 | 65.4 | 914 | 8.7 | 0.3 | 16.4 | 0.9 | 0.0 | 5.3 | 68.5 | 100.0 | 9.0 | 872 |
| Zamfara | 12.6 | 84.1 | 1078 | 3.1 | 0.3 | 2.8 | 1.2 | 0.0 | 5.6 | 87.0 | 100.0 | 3.4 | 1,042 |
| FCT Abuja | 24.7 | 70.2 | 270 | 17.1 | 0.0 | 1.9 | 0.7 | 0.0 | 6.2 | 74.0 | 100.0 | 17.1 | 256 |

¹ MICS indicator 4.5 - Place for handwashing

Table WS.10: Availability of soap or other cleansing agent

Percent distribution of households by availability of soap or other cleansing agent in the dwelling, Nigeria, 2016-17

| | Place for handwashing observed | | | | Place for handwashing not observed | | | Total | Percentage of households with soap or other cleansing agent anywhere in the dwelling ¹ | Number of households |
|------------------------------------|---|-------------------------------------|---|--|-------------------------------------|---|--|--------------|---|----------------------|
| | Soap or other cleansing agent not observed at place for handwashing | | | | Soap or other cleansing agent shown | No soap or other cleansing agent in household | Not able/Does not want to show soap or other cleansing agent | | | |
| | Soap or other cleansing agent observed | Soap or other cleansing agent shown | No soap or other cleansing agent in household | Not able/Does not want to show soap or other cleansing agent | | | | | | |
| Total | 13.2 | 3.8 | 4.0 | 1.4 | 24.9 | 39.1 | 13.5 | 100.0 | 42.0 | 33,901 |
| Geopolitical zone | | | | | | | | | | |
| North Central | 10.5 | 2.4 | 2.6 | 1.0 | 28.7 | 42.3 | 12.4 | 100.0 | 41.7 | 5,435 |
| North East | 13.9 | 6.3 | 6.1 | 1.4 | 14.7 | 48.5 | 9.0 | 100.0 | 34.9 | 5,581 |
| North West | 13.2 | 6.0 | 7.1 | 1.8 | 18.6 | 46.7 | 6.5 | 100.0 | 37.9 | 9,128 |
| South East | 10.9 | 1.0 | 1.2 | 0.6 | 30.5 | 39.0 | 16.8 | 100.0 | 42.4 | 3,132 |
| South South | 15.1 | 1.5 | 2.1 | 0.3 | 32.7 | 28.4 | 19.9 | 100.0 | 49.3 | 4,281 |
| South West | 14.6 | 2.8 | 1.7 | 2.3 | 31.7 | 24.2 | 22.7 | 100.0 | 49.1 | 6,344 |
| Residence | | | | | | | | | | |
| Urban | 20.4 | 3.8 | 2.8 | 1.6 | 27.1 | 26.9 | 17.4 | 100.0 | 51.3 | 12,421 |
| Rural | 9.0 | 3.9 | 4.8 | 1.2 | 23.7 | 46.1 | 11.3 | 100.0 | 36.6 | 21,480 |
| Education of household head | | | | | | | | | | |
| None | 7.7 | 4.8 | 4.2 | 1.6 | 20.8 | 49.6 | 11.4 | 100.0 | 33.2 | 7,443 |
| Non-formal | 8.5 | 4.8 | 8.5 | 2.0 | 19.1 | 50.3 | 6.6 | 100.0 | 32.5 | 5,269 |
| Primary | 9.8 | 3.4 | 3.3 | 1.0 | 27.7 | 39.8 | 15.0 | 100.0 | 40.8 | 6,558 |
| Secondary | 13.3 | 3.3 | 2.9 | 1.3 | 28.7 | 33.9 | 16.5 | 100.0 | 45.3 | 9,047 |
| Higher | 28.9 | 3.1 | 2.3 | 1.0 | 26.6 | 21.9 | 16.1 | 100.0 | 58.6 | 5,526 |
| Missing/Don't know | 11.5 | 4.3 | 0.0 | 4.3 | 24.8 | 30.0 | 25.1 | 100.0 | 40.6 | 58 |
| Wealth index quintile | | | | | | | | | | |
| Poorest | 4.6 | 5.3 | 7.6 | 1.6 | 16.0 | 57.8 | 7.1 | 100.0 | 25.9 | 5,592 |
| Second | 6.4 | 4.3 | 5.8 | 1.4 | 20.1 | 52.3 | 9.5 | 100.0 | 30.9 | 6,328 |
| Middle | 8.9 | 3.5 | 3.9 | 1.1 | 27.3 | 42.8 | 12.5 | 100.0 | 39.7 | 6,897 |
| Fourth | 12.6 | 3.2 | 2.8 | 1.3 | 29.2 | 33.3 | 17.5 | 100.0 | 45.0 | 7,259 |
| Richest | 29.1 | 3.3 | 1.3 | 1.4 | 29.1 | 17.0 | 18.6 | 100.0 | 61.6 | 7,825 |
| Ethnicity of household head | | | | | | | | | | |
| Hausa | 12.7 | 6.3 | 6.5 | 1.6 | 18.7 | 45.5 | 8.5 | 100.0 | 37.8 | 13,433 |
| Igbo | 14.6 | 1.5 | 1.3 | 0.7 | 30.1 | 32.8 | 19.0 | 100.0 | 46.2 | 4,436 |
| Yoruba | 13.9 | 2.9 | 2.0 | 2.3 | 31.6 | 24.8 | 22.5 | 100.0 | 48.4 | 5,873 |
| Other ethnic group | 12.8 | 2.1 | 3.1 | 0.8 | 27.0 | 41.5 | 12.6 | 100.0 | 41.9 | 10,159 |

¹ MICS indicator 4.6 - Availability of soap or other cleansing agent

Table WS.10: Availability of soap or other cleansing agent (continued)

| Percent distribution of households by availability of soap or other cleansing agent in the dwelling, Nigeria, 2016-17 | | | | | | | | | | |
|---|---|-------------------------------------|---|--|-------------------------------------|---|--|--------------|---|----------------------|
| | Place for handwashing observed | | | | Place for handwashing not observed | | | Total | Percentage of households with soap or other cleansing agent anywhere in the dwelling ¹ | Number of households |
| | Soap or other cleansing agent not observed at place for handwashing | | | | Soap or other cleansing agent shown | No soap or other cleansing agent in household | Not able/Does not want to show soap or other cleansing agent | | | |
| | Soap or other cleansing agent observed | Soap or other cleansing agent shown | No soap or other cleansing agent in household | Not able/Does not want to show soap or other cleansing agent | | | | | | |
| Total | 13.2 | 3.8 | 4.0 | 1.4 | 24.9 | 39.1 | 13.5 | 100.0 | 42.0 | 33,901 |
| State | | | | | | | | | | |
| Abia | 4.4 | 0.6 | 0.3 | 0.8 | 27.1 | 37.5 | 29.4 | 100.0 | 32.1 | 472 |
| Adamawa | 16.1 | 0.7 | 6.2 | 0.6 | 13.2 | 60.1 | 3.1 | 100.0 | 30.0 | 735 |
| Akwa Ibom | 15.1 | 0.6 | 1.1 | 0.3 | 37.0 | 23.1 | 22.8 | 100.0 | 52.7 | 844 |
| Anambra | 8.5 | 0.5 | 0.9 | 0.6 | 39.6 | 35.6 | 14.3 | 100.0 | 48.6 | 719 |
| Bauchi | 8.4 | 17.1 | 1.4 | 1.6 | 19.4 | 40.2 | 12.0 | 100.0 | 44.8 | 1,384 |
| Bayelsa | 7.3 | 0.7 | 1.4 | 0.7 | 23.7 | 44.2 | 22.1 | 100.0 | 31.7 | 308 |
| Benue | 8.3 | 3.8 | 2.5 | 0.8 | 22.1 | 51.9 | 10.3 | 100.0 | 34.2 | 987 |
| Borno | 23.6 | 1.1 | 5.7 | 0.0 | 15.3 | 46.9 | 7.4 | 100.0 | 40.0 | 1,493 |
| Cross River | 6.8 | 1.0 | 0.5 | 0.1 | 50.5 | 33.4 | 7.7 | 100.0 | 58.2 | 778 |
| Delta | 18.1 | 1.0 | 1.0 | 0.4 | 21.7 | 26.2 | 31.6 | 100.0 | 40.8 | 740 |
| Ebonyi | 11.6 | 0.2 | 1.9 | 0.0 | 20.7 | 58.9 | 6.7 | 100.0 | 32.4 | 535 |
| Edo | 24.9 | 1.3 | 9.7 | 0.3 | 17.1 | 34.6 | 12.1 | 100.0 | 43.3 | 654 |
| Ekiti | 5.4 | 0.2 | 0.1 | 0.6 | 32.0 | 39.5 | 22.1 | 100.0 | 37.7 | 351 |
| Enugu | 9.3 | 3.2 | 1.2 | 1.1 | 38.5 | 34.7 | 12.1 | 100.0 | 51.0 | 610 |
| Gombe | 16.6 | 4.7 | 10.7 | 4.4 | 13.5 | 33.4 | 16.5 | 100.0 | 34.9 | 529 |
| Imo | 17.9 | 0.6 | 1.4 | 0.5 | 24.7 | 32.9 | 22.0 | 100.0 | 43.1 | 796 |
| Jigawa | 19.3 | 8.0 | 17.2 | 2.5 | 5.7 | 45.5 | 1.9 | 100.0 | 32.9 | 1,147 |
| Kaduna | 16.4 | 3.5 | 3.1 | 1.6 | 32.6 | 34.3 | 8.4 | 100.0 | 52.5 | 1,646 |
| Kano | 17.5 | 11.4 | 12.6 | 2.2 | 16.4 | 35.2 | 4.8 | 100.0 | 45.3 | 1,894 |
| Katsina | 16.7 | 8.0 | 5.2 | 2.1 | 30.5 | 34.7 | 2.9 | 100.0 | 55.2 | 1,705 |
| Kebbi | 5.0 | 1.6 | 2.7 | 0.6 | 10.7 | 68.8 | 10.2 | 100.0 | 17.2 | 838 |
| Kogi | 9.8 | 1.6 | 1.5 | 0.2 | 24.1 | 55.7 | 7.2 | 100.0 | 35.4 | 649 |
| Kwara | 5.8 | 1.6 | 2.2 | 6.0 | 31.6 | 33.3 | 19.5 | 100.0 | 39.0 | 639 |
| Lagos | 25.3 | 3.7 | 0.3 | 2.6 | 29.6 | 15.5 | 23.0 | 100.0 | 58.6 | 1,974 |
| Nasarawa | 1.3 | 1.3 | 1.7 | 0.0 | 17.4 | 66.0 | 12.2 | 100.0 | 20.0 | 630 |
| Niger | 18.2 | 3.3 | 5.0 | 0.1 | 39.2 | 20.8 | 13.4 | 100.0 | 60.7 | 1,211 |
| Ogun | 9.7 | 0.2 | 0.0 | 0.8 | 31.5 | 26.7 | 30.9 | 100.0 | 41.3 | 608 |
| Ondo | 8.9 | 4.8 | 5.7 | 2.3 | 33.3 | 25.4 | 19.6 | 100.0 | 47.0 | 1,025 |
| Osun | 10.1 | 2.1 | 2.1 | 1.5 | 47.6 | 16.0 | 20.6 | 100.0 | 59.8 | 916 |
| Oyo | 11.5 | 2.1 | 1.7 | 3.3 | 23.4 | 35.4 | 22.5 | 100.0 | 37.0 | 1,470 |
| Plateau | 11.0 | 1.6 | 1.2 | 0.0 | 28.8 | 44.9 | 12.4 | 100.0 | 41.3 | 1,051 |
| Rivers | 15.2 | 3.6 | 0.2 | 0.1 | 36.5 | 21.6 | 22.9 | 100.0 | 55.3 | 957 |
| Sokoto | 1.2 | 0.8 | 0.9 | 1.0 | 6.9 | 71.1 | 17.9 | 100.0 | 8.9 | 820 |
| Taraba | 3.3 | 0.5 | 7.3 | 0.8 | 4.6 | 76.5 | 6.9 | 100.0 | 8.5 | 527 |
| Yobe | 9.4 | 7.5 | 10.6 | 2.7 | 14.2 | 47.3 | 8.4 | 100.0 | 31.1 | 914 |
| Zamfara | 4.5 | 2.6 | 3.8 | 1.6 | 11.3 | 70.3 | 5.6 | 100.0 | 18.4 | 1,078 |
| FCT Abuja | 17.0 | 2.7 | 4.0 | 1.1 | 37.2 | 26.7 | 11.5 | 100.0 | 56.8 | 270 |

¹ MICS indicator 4.6 - Availability of soap or other cleansing agent

Safely managed drinking water services

Safe drinking water is a human right and a basic requirement for good health. Microbiological contamination of drinking water can lead to diarrhoeal diseases including shigellosis and cholera. Other pathogens in drinking water can cause hepatitis, typhoid, and polio myelitis. Drinking water can also be contaminated with chemicals with harmful effects on human health.

The global indicator for tracking progress towards the SDG drinking water target (SDG 6.1) is use of 'safely managed drinking water services', defined as an improved drinking water source that is accessible on premises, available when needed and free from contamination¹⁵. This represents a much more ambitious service level for drinking water services than the 'improved source' indicator used during the MDGs. The Nigeria MICS 2016-17 recorded whether households used sources located on premises, whether water sources provided water every day in the last two weeks and also included direct measurement of microbiological quality of drinking water at both the source and the household level.

The bacteria species *Escherichia coli* (*E. coli*) is the most commonly recommended faecal indicator, and many countries including Nigeria have set a standard that no *E. coli* should be found in a 100 mL sample of drinking water. *E. coli* was measured in the field by MICS teams by filtering 100 mL of sample through a 0.45 micron filter (Millipore Microfil®) which was then placed onto CompactDry EC growth media plates (Nissui, Japan). A 1 mL sample was also tested from the same source directly onto a second media plate. Incubation was done using ambient temperature and incubation belts were worn at night to keep the samples near body temperature. After 24-48 hours, the number of blue colonies, signifying the presence of *E. coli* colony forming units (CFU), was recorded and classified into the following risk categories: low risk (<1 per 100 mL), medium risk (1-10 per 100 mL), high risk (11-100 per 100 mL) and very high risk (>100 per 100 mL)¹⁶. Laboratory staff identified by the Federal Ministry of Water Resources trained field teams and conducted field visits to as part of the quality assurance for the water quality module.

Tables WQ.1 and WQ.2 report the levels of contamination of drinking water from a glass within the home and from water sample obtained from the water source. Table WQ.3 combines information on the quality, availability and location of drinking water sources to provide first estimates of safely managed drinking water services for Nigeria.

¹⁵ WHO/UNICEF Joint Monitoring Programme for Water Supply, Sanitation and Hygiene (2017), Progress on Drinking Water, Sanitation and Hygiene: 2017 Update and SDG baseline.

¹⁶ Adapted from WHO drinking water quality guidelines, 4th Ed. (2011), *E.coli* counts are divided into risk categories based on probability of infection of diarrheal disease. Note, this classification does not take account of the sanitary inspection.

Table WQ.1: Quality of source of drinking waterPercent distribution of household population according to faecal contamination risk as assessed by levels of *E. coli* in source of drinking water, and percent of household population with *E. coli* in drinking water source Nigeria, 2016-17

| | Low (<1 per 100 mL) | Moderate (1-10 per 100 mL) | High (11-100 per 100 mL) | Very high (>100 per 100 mL) | Total | Number of household members |
|---|---------------------------|----------------------------------|--------------------------------|-----------------------------------|--------------|-----------------------------------|
| Total | 22.7 | 16.3 | 14.6 | 46.4 | 100.0 | 13605 |
| Main source of drinking water | | | | | | |
| Piped water | 34.1 | 19.3 | 21.9 | 24.8 | 100.0 | 1153 |
| Tubewell/borehole | 38.6 | 30.0 | 15.9 | 15.5 | 100.0 | 4926 |
| Protected wells and springs | 5.6 | 7.3 | 12.0 | 75.1 | 100.0 | 1571 |
| Unprotected wells and springs | 2.0 | 3.6 | 9.4 | 85.0 | 100.0 | 3042 |
| Rainwater collection | 15.0 | 13.8 | 22.5 | 48.7 | 100.0 | 703 |
| Tanker-truck and cart wth small tank/drum | 19.5 | 27.3 | 12.7 | 40.5 | 100.0 | 183 |
| Sachet and bottled water | 70.0 | 12.8 | 7.7 | 9.5 | 100.0 | 577 |
| Other | 7.2 | 4.9 | 16.9 | 71.0 | 100.0 | 1450 |
| Residence | | | | | | |
| Urban | 27.2 | 20.9 | 20.0 | 31.8 | 100.0 | 4729 |
| Rural | 20.3 | 13.8 | 11.7 | 54.2 | 100.0 | 8876 |
| Education of household head | | | | | | |
| None | 19.7 | 13.6 | 10.8 | 55.9 | 100.0 | 2547 |
| Non-formal | 11.5 | 12.9 | 17.0 | 58.6 | 100.0 | 2722 |
| Primary | 25.0 | 16.1 | 13.2 | 45.7 | 100.0 | 2663 |
| Secondary | 29.5 | 16.8 | 16.5 | 37.3 | 100.0 | 3663 |
| Higher | 26.5 | 23.5 | 14.4 | 35.6 | 100.0 | 2008 |
| Wealth index quintile | | | | | | |
| Poorest | 15.4 | 9.9 | 9.4 | 65.3 | 100.0 | 2835 |
| Second | 12.9 | 11.2 | 13.4 | 62.6 | 100.0 | 2612 |
| Middle | 16.8 | 16.8 | 15.3 | 51.1 | 100.0 | 2658 |
| Fourth | 26.6 | 20.8 | 17.2 | 35.3 | 100.0 | 2743 |
| Richest | 41.5 | 22.6 | 17.7 | 18.2 | 100.0 | 2756 |
| Ethnicity of household head | | | | | | |
| Hausa | 15.0 | 15.6 | 14.9 | 54.5 | 100.0 | 6413 |
| Igbo | 40.0 | 26.6 | 15.7 | 17.7 | 100.0 | 1452 |
| Yoruba | 34.4 | 18.5 | 13.7 | 33.5 | 100.0 | 1993 |
| Other ethnic group | 23.1 | 12.2 | 14.1 | 50.6 | 100.0 | 3747 |

Table WQ.1: Quality of source of drinking water – continuedPercent distribution of household population according to faecal contamination risk as assessed by levels of *E. coli* in source of drinking water, and percent of household population with *E. coli* in drinking water source Nigeria, 2016-17

| State | Low (<1 per 100 mL) | Moderate (1-10 per 100 mL) | High (11-100 per 100 mL) | Very high (>100 per 100 mL) | Total | Number of household members |
|-------------|---------------------------|----------------------------------|--------------------------------|-----------------------------------|-------|-----------------------------------|
| Abia | 63.8 | 18.8 | 12.5 | 4.9 | 100.0 | 136 |
| Adamawa | 22.3 | 10.1 | 24.8 | 42.8 | 100.0 | 302 |
| Akwa Ibom | 55.7 | 15.7 | 14.5 | 14.2 | 100.0 | 330 |
| Anambra | 43.7 | 23.6 | 18.8 | 13.9 | 100.0 | 224 |
| Bauchi | 24.4 | 21.4 | 5.1 | 49.1 | 100.0 | 633 |
| Bayelsa | 22.1 | 10.1 | 25.6 | 42.2 | 100.0 | 96 |
| Benue | 6.1 | 2.1 | 5.4 | 86.4 | 100.0 | 402 |
| Borno | 8.8 | 9.5 | 20.0 | 61.8 | 100.0 | 297 |
| Cross River | 16.6 | 7.8 | 39.3 | 36.2 | 100.0 | 263 |
| Delta | 51.0 | 6.3 | 21.6 | 21.1 | 100.0 | 252 |
| Ebonyi | 2.5 | 14.9 | 19.4 | 63.1 | 100.0 | 147 |
| Edo | 52.6 | 14.5 | 7.2 | 25.7 | 100.0 | 214 |
| Ekiti | 13.2 | 13.1 | 29.7 | 44.0 | 100.0 | 112 |
| Enugu | 31.7 | 19.8 | 19.8 | 28.7 | 100.0 | 154 |
| Gombe | 6.6 | 14.4 | 18.7 | 60.2 | 100.0 | 240 |
| Imo | 58.1 | 28.1 | 8.7 | 5.2 | 100.0 | 311 |
| Jigawa | 24.6 | 19.6 | 5.5 | 50.3 | 100.0 | 650 |
| Kaduna | 17.7 | 14.4 | 13.3 | 54.5 | 100.0 | 823 |
| Kano | 12.0 | 16.8 | 30.1 | 41.1 | 100.0 | 1223 |
| Katsina | 48.9 | 4.5 | 15.2 | 31.4 | 100.0 | 606 |
| Kebbi | 2.4 | 10.5 | 3.8 | 83.3 | 100.0 | 357 |
| Kogi | 11.8 | 15.5 | 17.7 | 54.9 | 100.0 | 238 |
| Kwara | 48.6 | 7.9 | 1.9 | 41.5 | 100.0 | 286 |
| Lagos | 43.5 | 43.1 | 13.3 | 0.0 | 100.0 | 675 |
| Nasarawa | 9.9 | 17.4 | 7.4 | 65.4 | 100.0 | 283 |
| Niger | 11.5 | 13.5 | 20.3 | 54.6 | 100.0 | 624 |
| Ogun | 35.0 | 31.8 | 8.1 | 25.1 | 100.0 | 231 |
| Ondo | 18.0 | 9.3 | 16.4 | 56.3 | 100.0 | 280 |
| Osun | 26.5 | 17.7 | 16.6 | 39.1 | 100.0 | 282 |
| Oyo | 14.5 | 10.2 | 16.0 | 59.3 | 100.0 | 476 |
| Plateau | 3.0 | 8.1 | 11.6 | 77.3 | 100.0 | 452 |
| Rivers | 47.5 | 24.5 | 13.3 | 14.7 | 100.0 | 311 |
| Sokoto | 2.1 | 14.3 | 4.4 | 79.1 | 100.0 | 394 |
| Taraba | 6.8 | 9.8 | 17.9 | 65.5 | 100.0 | 219 |
| Yobe | 7.7 | 42.7 | 6.5 | 43.0 | 100.0 | 375 |
| Zamfara | 6.0 | 8.5 | 7.1 | 78.4 | 100.0 | 593 |
| FCT Abuja | 36.3 | 12.4 | 13.9 | 37.4 | 100.0 | 114 |

Table WQ.2: Quality of household drinking water

Percent distribution of household population according to faecal contamination risk as assessed by levels of *E. coli* in household drinking water, and percent of household population with *E. coli* in drinking water Nigeria, 2016-17

| | Low (<1 per 100 mL) | Moderate (1-10 per 100 mL) | High (11-100 per 100 mL) | Very high (>100 per 100 mL) | Total | Number of household members |
|--|---------------------------|----------------------------------|--------------------------------|-----------------------------------|-------|-----------------------------------|
| Total | 9.2 | 13.4 | 21.7 | 55.7 | 100.0 | 15106 |
| Main source of drinking water | | | | | | |
| Piped water | 10.7 | 15.0 | 34.7 | 39.6 | 100.0 | 1352 |
| Tubewell/borehole | 8.2 | 21.8 | 26.6 | 43.4 | 100.0 | 4997 |
| Protected wells and springs | 3.9 | 7.8 | 19.5 | 68.8 | 100.0 | 1671 |
| Unprotected wells and springs | 1.1 | 1.4 | 13.2 | 84.3 | 100.0 | 3326 |
| Rainwater collection | 5.5 | 14.6 | 32.2 | 47.7 | 100.0 | 711 |
| Tanker-truck and cart with small tank/drum | 18.5 | 22.6 | 29.3 | 29.6 | 100.0 | 247 |
| Sachet and bottled water | 52.3 | 24.3 | 10.2 | 13.1 | 100.0 | 1074 |
| Other | 5.0 | 7.3 | 18.0 | 69.7 | 100.0 | 1726 |
| Residence | | | | | | |
| Urban | 16.5 | 19.1 | 24.4 | 40.0 | 100.0 | 5231 |
| Rural | 5.3 | 10.3 | 20.3 | 64.0 | 100.0 | 9875 |
| Education of household head | | | | | | |
| None | 3.9 | 12.7 | 17.7 | 65.7 | 100.0 | 2835 |
| Non-formal | 2.8 | 3.6 | 24.3 | 69.2 | 100.0 | 3108 |
| Primary | 8.8 | 15.8 | 22.4 | 53.0 | 100.0 | 2871 |
| Secondary | 13.4 | 16.2 | 23.3 | 47.1 | 100.0 | 4063 |
| Higher | 17.6 | 19.4 | 19.5 | 43.6 | 100.0 | 2221 |
| Wealth index quintile | | | | | | |
| Poorest | 3.5 | 8.8 | 15.0 | 72.7 | 100.0 | 3194 |
| Second | 3.3 | 4.6 | 19.0 | 73.2 | 100.0 | 2942 |
| Middle | 5.1 | 11.9 | 24.3 | 58.7 | 100.0 | 2907 |
| Fourth | 9.8 | 16.3 | 28.8 | 45.0 | 100.0 | 2849 |
| Richest | 23.5 | 24.6 | 22.4 | 29.5 | 100.0 | 3212 |
| Ethnicity of household head | | | | | | |
| Hausa | 5.8 | 8.9 | 20.3 | 65.0 | 100.0 | 7215 |
| Igbo | 15.9 | 22.4 | 29.4 | 32.3 | 100.0 | 1584 |
| Yoruba | 15.2 | 21.9 | 22.0 | 40.9 | 100.0 | 2119 |
| Other ethnic group | 9.5 | 13.3 | 21.2 | 56.0 | 100.0 | 4187 |

Table WQ.2: Quality of household drinking water – continuedPercent distribution of household population according to faecal contamination risk as assessed by levels of *E. coli* in household drinking water, and percent of household population with *E. coli* in drinking water Nigeria, 2016-17

| | Low (<1 per 100 mL) | Moderate (1-10 per 100 mL) | High (11-100 per 100 mL) | Very high (>100 per 100 mL) | Total | Number of household members |
|--------------|---------------------------|----------------------------------|--------------------------------|-----------------------------------|-------|-----------------------------------|
| State | | | | | | |
| Abia | 16.7 | 34.4 | 30.2 | 18.8 | 100.0 | 165 |
| Adamawa | 6.4 | 6.7 | 6.3 | 80.6 | 100.0 | 342 |
| Akwa Ibom | 8.7 | 29.0 | 25.4 | 36.9 | 100.0 | 343 |
| Anambra | 23.6 | 14.3 | 23.2 | 38.9 | 100.0 | 266 |
| Bauchi | 0.4 | 30.8 | 14.4 | 54.3 | 100.0 | 747 |
| Bayelsa | 11.4 | 15.6 | 39.2 | 33.8 | 100.0 | 106 |
| Benue | 3.6 | 3.4 | 12.8 | 80.3 | 100.0 | 441 |
| Borno | 1.3 | 13.7 | 22.3 | 62.7 | 100.0 | 332 |
| Cross River | 8.9 | 16.8 | 27.5 | 46.8 | 100.0 | 306 |
| Delta | 18.0 | 22.4 | 28.8 | 30.7 | 100.0 | 270 |
| Ebonyi | 5.5 | 11.8 | 24.7 | 58.0 | 100.0 | 167 |
| Edo | 25.8 | 23.5 | 19.7 | 31.0 | 100.0 | 238 |
| Ekiti | 8.2 | 13.6 | 28.2 | 49.9 | 100.0 | 118 |
| Enugu | 14.4 | 12.2 | 41.5 | 31.9 | 100.0 | 200 |
| Gombe | 2.2 | 1.8 | 21.0 | 75.0 | 100.0 | 270 |
| Imo | 16.3 | 34.5 | 27.9 | 21.3 | 100.0 | 311 |
| Jigawa | 5.0 | 10.5 | 33.8 | 50.6 | 100.0 | 675 |
| Kaduna | 10.7 | 7.0 | 25.1 | 57.2 | 100.0 | 843 |
| Kano | 3.0 | 1.8 | 29.2 | 66.0 | 100.0 | 1302 |
| Katsina | 30.0 | 11.7 | 13.9 | 44.3 | 100.0 | 737 |
| Kebbi | 0.0 | 1.3 | 14.3 | 84.4 | 100.0 | 407 |
| Kogi | 2.6 | 19.9 | 23.0 | 54.5 | 100.0 | 290 |
| Kwara | 3.4 | 12.6 | 21.8 | 62.2 | 100.0 | 314 |
| Lagos | 26.9 | 31.0 | 19.1 | 23.1 | 100.0 | 695 |
| Nasarawa | 2.3 | 8.3 | 26.6 | 62.9 | 100.0 | 322 |
| Niger | 6.5 | 5.8 | 15.4 | 72.4 | 100.0 | 785 |
| Ogun | 8.8 | 19.9 | 35.0 | 36.3 | 100.0 | 244 |
| Ondo | 10.0 | 23.2 | 16.8 | 50.0 | 100.0 | 287 |
| Osun | 9.4 | 20.8 | 20.9 | 48.8 | 100.0 | 289 |
| Oyo | 11.4 | 16.8 | 21.0 | 50.8 | 100.0 | 532 |
| Plateau | 6.7 | 12.1 | 17.8 | 63.5 | 100.0 | 491 |
| Rivers | 25.2 | 13.0 | 37.1 | 24.7 | 100.0 | 318 |
| Sokoto | 0.0 | 3.7 | 21.1 | 75.2 | 100.0 | 480 |
| Taraba | 5.1 | 5.3 | 23.0 | 66.6 | 100.0 | 248 |
| Yobe | 0.8 | 17.0 | 17.3 | 64.9 | 100.0 | 422 |
| Zamfara | 6.9 | 6.9 | 7.8 | 78.4 | 100.0 | 672 |
| FCT Abuja | 8.1 | 6.5 | 18.5 | 66.9 | 100.0 | 130 |

Table WQ.3: Safely managed drinking water services

Percent distribution of household population with drinking water accessible on premises, available when needed, and free from faecal contamination, for users of improved and unimproved drinking water sources, Nigeria, 2016-17

| | Main source of drinking water: | | | | | | Percentage of household members with an improved drinking water source located on premises, free of E. coli and available when needed [1] | Number of household members with information on water quality |
|--|---|--|---|--|--|---|---|---|
| | Improved sources | | | Unimproved sources | | | | |
| | Percent of household members without E. coli in drinking water source | Percentage of household population with drinking water available every day in last two weeks | Percentage of household population with drinking water accessible on premises | Percentage of household members without E. coli in drinking water source | Percentage of household population with drinking water available every day in last two weeks | Percentage of household population with drinking water accessible on premises | | |
| Total | 32.1 | 79.5 | 33.7 | 3.7 | 88.9 | 31.6 | 3.7 | 13605 |
| Main source of drinking water | | | | | | | | |
| Piped water | 34.1 | 40.5 | 45.4 | n.a | n.a | n.a | 3.1 | 1153 |
| Tubewell/borehole | 38.6 | 85.8 | 15.7 | n.a | n.a | n.a | 4.9 | 4926 |
| Protected wells and springs | 5.6 | 90.2 | 54.2 | n.a | n.a | n.a | 3.2 | 1571 |
| Unprotected wells and springs | n.a | n.a | n.a | 2.0 | 90.2 | 44.1 | 0.0 | 3042 |
| Rainwater collection | 15.0 | 83.5 | 96.7 | n.a | n.a | n.a | 10.7 | 703 |
| Tanker-truck and cart with small tank/drum | 19.5 | 69.3 | 9.4 | n.a | n.a | n.a | 1.3 | 183 |
| Sachet and bottled water | 70.0 | 72.5 | 39.8 | n.a | n.a | n.a | 16.5 | 577 |
| Other | n.a | n.a | n.a | 7.2 | 86.1 | 5.3 | 0.0 | 1450 |
| Residence | | | | | | | | |
| Urban | 29.2 | 78.2 | 39.7 | 8.2 | 82.8 | 52.2 | 4.9 | 4729 |
| Rural | 34.6 | 80.5 | 28.4 | 3.2 | 89.6 | 29.2 | 3.0 | 8876 |
| Education of household head | | | | | | | | |
| None | 37.0 | 81.4 | 32.0 | 0.8 | 90.3 | 26.0 | 2.6 | 2547 |
| Non-formal | 18.6 | 74.6 | 15.3 | 4.5 | 89.8 | 46.8 | 1.1 | 2722 |
| Primary | 35.1 | 83.1 | 33.4 | 2.8 | 88.4 | 28.2 | 5.5 | 2663 |
| Secondary | 35.2 | 78.9 | 33.6 | 8.3 | 86.4 | 20.8 | 2.4 | 3663 |
| Higher | 30.5 | 78.8 | 50.0 | 2.5 | 87.2 | 21.2 | 8.6 | 2008 |
| Wealth index quintile | | | | | | | | |
| Poorest | 34.9 | 84.1 | 16.2 | 4.4 | 90.7 | 22.0 | 2.0 | 2835 |
| Second | 24.7 | 81.2 | 22.5 | 2.2 | 89.4 | 47.1 | 1.7 | 2612 |
| Middle | 23.9 | 84.7 | 31.1 | 0.4 | 90.4 | 31.9 | 1.9 | 2658 |
| Fourth | 29.9 | 77.6 | 30.7 | 9.5 | 77.2 | 21.5 | 2.9 | 2743 |
| Richest | 42.0 | 74.8 | 49.8 | 20.2 | 91.6 | 35.8 | 9.8 | 2756 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 23.9 | 80.6 | 27.1 | 3.4 | 90.2 | 41.1 | 1.5 | 6413 |
| Igbo | 46.3 | 77.6 | 33.1 | 3.8 | 88.8 | 16.9 | 7.4 | 1452 |
| Yoruba | 37.3 | 85.6 | 43.8 | 5.8 | 74.9 | 27.9 | 8.4 | 1993 |
| Other ethnic group | 33.3 | 74.1 | 36.3 | 4.0 | 88.1 | 14.3 | 3.5 | 3747 |

[1] SDG indicator 6.1.1 - Use of safely managed drinking water sources

VIII. Reproductive Health

Fertility

Table RH.1: Fertility rates

Adolescent birth rate, age-specific and total fertility rates, the general fertility rate, and the crude birth rate for the three-year period preceding the survey, by area, Nigeria, 2016-17

| | Urban | Rural | Total |
|--------------------|-------|-------|-------|
| Age (Years) | | | |
| 15-19 ¹ | 59 | 154 | 120 |
| 20-24 | 190 | 264 | 238 |
| 25-29 | 253 | 269 | 263 |
| 30-34 | 227 | 238 | 234 |
| 35-39 | 155 | 170 | 165 |
| 40-44 | 79 | 110 | 99 |
| 45-49 | 26 | 62 | 49 |
| TFR ^a | 4.9 | 6.3 | 5.8 |
| GFR ^b | 157.2 | 202.9 | 186.5 |
| CBR ^c | 33.8 | 39.6 | 37.7 |

¹ MICS indicator 5.1; MDG indicator 5.4 - Adolescent birth rate

^a TFR: Total fertility rate expressed per woman age 15-49 years

^b GFR: General fertility rate expressed per 1,000 women age 15-49 years

^c CBR: Crude birth rate expressed per 1,000 population

Table RH.2: Adolescent birth rate and total fertility rate

| Adolescent birth rates and total fertility rates for the three-year period preceding the survey, Nigeria, 2016-17 | | |
|---|--|----------------------|
| | Adolescent birth rate ¹ (Age-specific fertility rate for women age 15-19 years) | Total fertility rate |
| Total | 120 | 5.83 |
| Geopolitical zone | | |
| North Central | 91 | 5.33 |
| North East | 146 | 6.35 |
| North West | 176 | 7.26 |
| South East | 38 | 4.62 |
| South South | 53 | 4.27 |
| South West | 43 | 4.42 |
| Education | | |
| None | 228 | 7.22 |
| Non-formal | 232 | 7.58 |
| Primary | 184 | 6.24 |
| Secondary | 51 | 4.77 |
| Higher | 9 | 3.67 |
| Wealth index quintile | | |
| Poorest | 199 | 7.42 |
| Second | 171 | 6.79 |
| Middle | 131 | 5.95 |
| Fourth | 79 | 5.25 |
| Richest | 35 | 4.30 |
| Ethnicity of household head | | |
| Hausa | 173 | 7.09 |
| Igbo | 38 | 4.55 |
| Yoruba | 40 | 4.33 |
| Other ethnic groups | 85 | 5.06 |

¹ MICS indicator 5.1; MDG indicator 5.4 - Adolescent birth rate

Table RH.2: Adolescent birth rate and total fertility rate; (continued)Adolescent birth rates and total fertility rates for the *three-year* period preceding the survey, Nigeria, 2016-17

| | Adolescent birth rate ¹ (Age-specific fertility rate for women age 15-19 years) | Total fertility rate |
|--|--|----------------------|
| Total | 120 | 5.8 |
| State | | |
| Abia | 37 | 5.1 |
| Adamawa | 113 | 5.5 |
| Akwa Ibom | 67 | 4.5 |
| Anambra | 40 | 4.3 |
| Bauchi | 186 | 6.8 |
| Bayelsa | 78 | 4.8 |
| Benue | 79 | 4.8 |
| Borno | 128 | 6.1 |
| Cross River | 68 | 4.4 |
| Delta | 57 | 5.2 |
| Ebonyi | 53 | 5.2 |
| Edo | 42 | 3.8 |
| Ekiti | 60 | 4.4 |
| Enugu | 23 | 3.8 |
| Gombe | 181 | 7.3 |
| Imo | 36 | 5.1 |
| Jigawa | 186 | 8.5 |
| Kaduna | 134 | 5.6 |
| Kano | 169 | 7.7 |
| Katsina | 218 | 7.5 |
| Kebbi | 157 | 7.7 |
| Kogi | 36 | 3.7 |
| Kwara | 70 | 4.4 |
| Lagos | 21 | 4.0 |
| Nasarawa | 101 | 5.7 |
| Niger | 138 | 6.4 |
| Ogun | 50 | 4.5 |
| Ondo | 47 | 4.5 |
| Osun | 57 | 4.7 |
| Oyo | 54 | 4.9 |
| Plateau | 94 | 5.6 |
| Rivers | 18 | 3.3 |
| Sokoto | 174 | 7.3 |
| Taraba | 81 | 5.5 |
| Yobe | 159 | 6.8 |
| Zamfara | 208 | 7.3 |
| FCT Abuja | 39 | 4.6 |
| ¹ MICS indicator 5.1; MDG indicator 5.4 - Adolescent birth rate | | |

() Sample data are based on 25-29 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table RH.3: Early childbearing

Percentage of women age 15-19 years who have had a live birth, are pregnant with the first child, have begun childbearing, and who have had a live birth before age 15, and percentage of women age 20-24 years who have had a live birth before age 18, Nigeria, 2016-17

| | Percentage of women age 15-19 years who: | | | | Number of women age 15-19 years | Percentage of women age 20-24 years who have had a live birth before age 18 ¹ | | Number of women age 20-24 years |
|------------------------------------|--|-------------------------------|-------------------------|-------------------------------------|---------------------------------|--|--------------|---------------------------------|
| | Have had a live birth | Are pregnant with first child | Have begun childbearing | Have had a live birth before age 15 | | had a live birth before age 18 ¹ | | |
| Total | 15.8 | 3.3 | 19.2 | 3.1 | 6,822 | 30.8 | 5,816 | |
| Geopolitical zone | | | | | | | | |
| North Central | 10.1 | 2.8 | 12.9 | 1.8 | 1,184 | 25.7 | 1,028 | |
| North East | 17.9 | 3.4 | 21.3 | 3.2 | 1,343 | 41.8 | 1,190 | |
| North West | 25.9 | 5.5 | 31.4 | 5.6 | 2,325 | 45.7 | 1,882 | |
| South East | 5.4 | 1.5 | 6.9 | 0.9 | 523 | 5.7 | 399 | |
| South South | 7.2 | 1.4 | 8.6 | 0.7 | 702 | 14.5 | 588 | |
| South West | 5.1 | 0.8 | 5.9 | 0.6 | 745 | 8.0 | 729 | |
| Residence | | | | | | | | |
| Urban | 5.1 | 1.2 | 6.3 | 0.6 | 2,569 | 17.3 | 2,062 | |
| Rural | 22.3 | 4.7 | 27.0 | 4.6 | 4,253 | 38.2 | 3,754 | |
| Education | | | | | | | | |
| None | 38.4 | 6.7 | 45.0 | 7.6 | 1,024 | 52.5 | 1,191 | |
| Non-formal | 35.6 | 8.7 | 44.3 | 8.6 | 833 | 57.9 | 901 | |
| Primary | 22.5 | 3.9 | 26.4 | 4.8 | 708 | 50.2 | 605 | |
| Secondary | 5.6 | 1.5 | 7.1 | 0.6 | 4,088 | 13.1 | 2,413 | |
| Higher | 0.4 | 0.0 | 0.4 | 0.0 | 168 | 3.0 | 705 | |
| Wealth index quintile | | | | | | | | |
| Poorest | 29.8 | 5.1 | 35.0 | 8.1 | 1,042 | 54.7 | 947 | |
| Second | 24.6 | 6.0 | 30.7 | 5.0 | 1,317 | 42.5 | 1,190 | |
| Middle | 17.3 | 3.7 | 21.0 | 3.0 | 1,525 | 34.2 | 1,186 | |
| Fourth | 8.4 | 1.9 | 10.3 | 0.6 | 1,414 | 21.6 | 1,222 | |
| Richest | 4.1 | 0.8 | 4.9 | 0.3 | 1,525 | 7.6 | 1,271 | |
| Ethnicity of household head | | | | | | | | |
| Hausa | 23.7 | 4.9 | 28.7 | 4.8 | 3,274 | 47.0 | 2,815 | |
| Igbo | 4.7 | 1.1 | 5.8 | 0.8 | 692 | 6.1 | 564 | |
| Yoruba | 4.6 | 0.9 | 5.5 | 0.5 | 752 | 7.2 | 672 | |
| Other ethnic groups | 11.2 | 2.5 | 13.7 | 2.0 | 2,104 | 21.8 | 1,765 | |

¹ MICS indicator 5.2 - Early childbearing

Table RH.3: Early childbearing (continued)

Percentage of women age 15-19 years who have had a live birth, are pregnant with the first child, have begun childbearing, and who have had a live birth before age 15, and percentage of women age 20-24 years who have had a live birth before age 18, Nigeria, 2016-17

| | Percentage of women age 15-19 years who: | | | | Number of women age 15-19 years | Percentage of women age 20-24 years who have had a live birth before age 18 ¹ | | Number of women age 20-24 years |
|--------------|--|-------------------------------|-------------------------|-------------------------------------|---------------------------------|--|--------------|---------------------------------|
| | Have had a live birth | Are pregnant with first child | Have begun childbearing | Have had a live birth before age 15 | | | | |
| Total | 15.8 | 3.3 | 19.2 | 3.1 | 6,822 | 30.8 | 5,816 | |
| State | | | | | | | | |
| Abia | 7.8 | 1.1 | 8.9 | 1.6 | 59 | 9.2 | 50 | |
| Adamawa | 17.8 | 3.3 | 21.1 | 3.9 | 162 | 26.7 | 148 | |
| Akwa Ibom | 10.8 | 2.0 | 12.8 | 0.0 | 154 | 19.1 | 171 | |
| Anambra | 5.3 | 1.1 | 6.4 | 0.5 | 125 | 1.1 | 103 | |
| Bauchi | 29.2 | 8.2 | 37.3 | 3.3 | 315 | 53.4 | 292 | |
| Bayelsa | 13.5 | 4.4 | 18.0 | 1.1 | 51 | 28.3 | 39 | |
| Benue | 9.3 | 3.5 | 12.8 | 1.5 | 198 | 25.3 | 170 | |
| Borno | 10.1 | 0.0 | 10.1 | 0.6 | 411 | 40.2 | 373 | |
| Cross River | 6.5 | 1.5 | 8.0 | 0.0 | 152 | 15.7 | 95 | |
| Delta | 7.8 | 1.0 | 8.8 | 2.4 | 112 | 15.6 | 91 | |
| Ebonyi | 7.5 | 0.0 | 7.5 | 3.2 | 101 | 6.7 | 66 | |
| Edo | 3.5 | 0.0 | 3.5 | 0.7 | 90 | 8.4 | 73 | |
| Ekiti | 9.8 | 0.0 | 9.8 | 0.0 | 33 | 8.6 | 34 | |
| Enugu | 3.4 | 3.6 | 7.0 | 0.0 | 111 | 5.4 | 87 | |
| Gombe | 26.3 | 3.9 | 30.2 | 10.0 | 116 | 43.3 | 116 | |
| Imo | 4.7 | 1.2 | 5.9 | 0.0 | 127 | 8.6 | 92 | |
| Jigawa | 25.3 | 6.4 | 31.7 | 3.8 | 269 | 54.6 | 212 | |
| Kaduna | 21.4 | 6.1 | 27.6 | 6.0 | 501 | 33.3 | 358 | |
| Kano | 19.2 | 4.8 | 24.0 | 4.3 | 560 | 44.3 | 412 | |
| Katsina | 34.9 | 3.4 | 38.3 | 3.6 | 351 | 49.0 | 378 | |
| Kebbi | 17.7 | 4.4 | 22.2 | 1.6 | 199 | 39.6 | 162 | |
| Kogi | 6.9 | 0.6 | 7.5 | 2.0 | 151 | 13.7 | 98 | |
| Kwara | 14.9 | 2.6 | 17.6 | 2.5 | 78 | 16.0 | 77 | |
| Lagos | 3.1 | 0.1 | 3.3 | 0.0 | 222 | 4.6 | 266 | |
| Nasarawa | 9.8 | 3.3 | 13.1 | 2.4 | 145 | 27.9 | 139 | |
| Niger | 11.0 | 5.4 | 16.4 | 1.3 | 269 | 36.7 | 265 | |
| Ogun | 5.4 | 0.9 | 6.3 | 0.9 | 85 | 5.8 | 70 | |
| Ondo | 5.9 | 0.6 | 6.5 | 1.5 | 117 | 12.6 | 89 | |
| Osun | 7.3 | 1.7 | 9.0 | 1.7 | 136 | 8.1 | 115 | |
| Oyo | 4.5 | 1.2 | 5.7 | 0.0 | 153 | 11.9 | 155 | |
| Plateau | 11.6 | 0.7 | 12.3 | 1.6 | 270 | 23.2 | 227 | |
| Rivers | 3.6 | 0.8 | 4.4 | 0.6 | 143 | 5.1 | 119 | |
| Sokoto | 31.5 | 8.0 | 39.5 | 7.2 | 175 | 52.1 | 145 | |
| Taraba | 9.5 | 1.2 | 10.7 | 0.9 | 115 | 32.7 | 91 | |
| Yobe | 16.6 | 3.6 | 20.3 | 5.1 | 224 | 42.7 | 169 | |
| Zamfara | 39.4 | 6.3 | 45.7 | 13.9 | 270 | 55.1 | 216 | |
| FCT Abuja | 6.0 | 2.3 | 8.2 | 2.0 | 74 | 12.9 | 52 | |

¹ MICS indicator 5.2 - Early childbearing

Table RH.4: Trends in early childbearing

Percentage of women who have had a live birth, by age 15 and 18, by area and age group, Nigeria, 2016-17

| | Urban | | | | Rural | | | | All | | | |
|---------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|
| | Percentage of women with a live birth before age 15 | Number of women age 15-49 years | Percentage of women with a live birth before age 18 | Number of women age 20-49 years | Percentage of women with a live birth before age 15 | Number of women age 15-49 years | Percentage of women with a live birth before age 18 | Number of women age 20-49 years | Percentage of women with a live birth before age 15 | Number of women age 15-49 years | Percentage of women with a live birth before age 18 | Number of women age 20-49 years |
| Total | 4.9 | 12373 | 20.2 | 9804 | 9.6 | 22003 | 35.2 | 17750.2 | 7.9 | 34376.0 | 29.8 | 27,554 |
| Age (Years) | | | | | | | | | | | | |
| 15-19 | 0.6 | 2,569 | na | na | 4.6 | 4253 | na | na | 3.1 | 6822 | na | na |
| 20-24 | 4.1 | 2062 | 17.3 | 2062 | 8.6 | 3754 | 38.2 | 3754 | 7.0 | 5816 | 30.8 | 5,816 |
| 25-29 | 6.9 | 2051 | 20.9 | 2051 | 11.4 | 3864. | 36.1 | 3864 | 9.8 | 5915 | 30.9 | 5,915 |
| 30-34 | 4.9 | 1963 | 19.6 | 1963 | 12.4 | 3428 | 39.3 | 3427 | 9.7 | 5390 | 32.1 | 5,390 |
| 35-39 | 6.9 | 1569 | 20.1 | 1569 | 10.6 | 2770 | 33.6 | 2770 | 9.3 | 4339 | 28.7 | 4,339 |
| 40-44 | 7.1 | 1286 | 21.1 | 1286. | 12.6 | 2285 | 31.3 | 2285 | 10.6 | 3571 | 27.6 | 3,571 |
| 45-49 | 8.4 | 874 | 25.5 | 874 | 9.0 | 1651 | 25.6 | 1651 | 8.8 | 2524 | 25.6 | 2,524 |
| <i>na: not applicable</i> | | | | | | | | | | | | |

Contraception

Table RH.5: Use of contraception

Percentage of women age 15-49 years currently married or in union who are using (or whose partner is using) a contraceptive method, Nigeria, 2016-17

| | Percent of women currently married or in union who are using (or whose partner is using): | | | | | | | | | | | | | | | | | Number of women age 15-49 years currently married or in union |
|--------------------------|---|----------------------|--------------------|------------|-------------|------------|------------|-------------|---------------|----------------------|------------|---------------------|------------|------------|-------------------|------------------------|-------------------------|---|
| | No method | Female sterilization | Male sterilization | IUD | Injectables | Implants | Pill | Male condom | Female condom | Diaphragm/Foam/Jelly | LAM | Periodic abstinence | Withdrawal | Other | Any modern method | Any traditional method | Any method ¹ | |
| Total | 86.6 | 0.2 | 0.0 | 0.7 | 4.3 | 1.4 | 2.3 | 1.1 | 0.1 | 0.1 | 0.6 | 1.0 | 0.9 | 0.7 | 10.8 | 2.6 | 13.4 | 24,373 |
| Geopolitical zone | | | | | | | | | | | | | | | | | | |
| North Central | 83.4 | 0.3 | 0.0 | 0.8 | 6.0 | 2.0 | 2.3 | 1.5 | 0.1 | 0.0 | 0.8 | 1.1 | 0.7 | 1.0 | 13.8 | 2.8 | 16.6 | 4,228 |
| North East | 92.4 | 0.2 | 0.0 | 0.2 | 2.5 | 0.7 | 1.3 | 0.0 | 0.0 | 0.1 | 1.0 | 0.2 | 0.3 | 1.0 | 6.1 | 1.5 | 7.6 | 4,852 |
| North West | 91.6 | 0.1 | 0.0 | 0.3 | 3.4 | 1.0 | 2.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.4 | 0.5 | 7.4 | 1.0 | 8.4 | 8,815 |
| South East | 76.7 | 0.4 | 0.0 | 0.6 | 3.8 | 1.9 | 1.9 | 3.6 | 0.2 | 0.5 | 1.9 | 5.0 | 3.4 | 0.1 | 14.7 | 8.6 | 23.3 | 1,310 |
| South South | 83.3 | 0.2 | 0.0 | 0.5 | 3.9 | 2.0 | 2.5 | 1.2 | 0.1 | 0.0 | 0.6 | 3.3 | 1.5 | 0.6 | 11.2 | 5.5 | 16.7 | 2,064 |
| South West | 74.2 | 0.3 | 0.0 | 2.6 | 7.9 | 2.1 | 4.4 | 3.3 | 0.2 | 0.1 | 0.8 | 1.4 | 2.0 | 0.8 | 21.7 | 4.1 | 25.8 | 3,103 |
| Residence | | | | | | | | | | | | | | | | | | |
| Urban | 78.9 | 0.2 | 0.0 | 1.6 | 6.5 | 2.4 | 4.1 | 2.2 | 0.1 | 0.1 | 0.5 | 1.4 | 1.3 | 0.5 | 17.9 | 3.3 | 21.1 | 7,507 |
| Rural | 90.0 | 0.2 | 0.0 | 0.3 | 3.3 | 1.0 | 1.5 | 0.5 | 0.0 | 0.1 | 0.7 | 0.8 | 0.7 | 0.8 | 7.7 | 2.3 | 10.0 | 16,866 |
| Age (Years) | | | | | | | | | | | | | | | | | | |
| 15-19 | 97.8 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.6 | 0.4 | 0.0 | 0.0 | 0.5 | 0.0 | 0.2 | 0.2 | 1.8 | 0.4 | 2.2 | 1,513 |
| 20-24 | 91.0 | 0.0 | 0.0 | 0.2 | 2.8 | 0.7 | 1.4 | 0.7 | 0.1 | 0.2 | 1.1 | 0.6 | 0.7 | 0.5 | 7.1 | 1.8 | 9.0 | 3,635 |
| 25-29 | 87.8 | 0.1 | 0.0 | 0.5 | 4.0 | 1.3 | 2.4 | 1.1 | 0.1 | 0.0 | 0.7 | 0.5 | 0.7 | 0.6 | 10.3 | 1.9 | 12.2 | 4,967 |
| 30-34 | 84.2 | 0.2 | 0.0 | 0.6 | 5.0 | 1.8 | 3.0 | 1.4 | 0.1 | 0.1 | 0.8 | 1.2 | 1.1 | 0.5 | 13.1 | 2.7 | 15.8 | 4,867 |
| 35-39 | 83.7 | 0.4 | 0.0 | 1.1 | 4.9 | 1.9 | 2.3 | 1.4 | 0.1 | 0.2 | 0.6 | 1.4 | 1.1 | 0.9 | 12.8 | 3.4 | 16.3 | 3,928 |
| 40-44 | 82.4 | 0.3 | 0.0 | 1.3 | 6.1 | 1.6 | 3.0 | 1.0 | 0.0 | 0.1 | 0.1 | 1.6 | 1.1 | 1.3 | 13.6 | 4.0 | 17.6 | 3,252 |
| 45-49 | 85.4 | 0.4 | 0.0 | 1.1 | 5.1 | 1.8 | 2.2 | 0.5 | 0.0 | 0.1 | 0.2 | 1.4 | 0.7 | 1.1 | 11.5 | 3.1 | 14.6 | 2,210 |

Table RH.5: Use of contraception (continued)

Percentage of women age 15-49 years currently married or in union who are using (or whose partner is using) a contraceptive method, Nigeria, 2016-17

| | Percent of women currently married or in union who are using (or whose partner is using): | | | | | | | | | | | | | | | Number of women age 15-49 years currently married or in union | | |
|------------------------------------|---|----------------------|--------------------|-----|-------------|----------|------|-------------|---------------|----------------------|-----|---------------------|------------|-------|-------------------|---|------------------------|-------------------------|
| | No method | Female sterilization | Male sterilization | IUD | Injectables | Implants | Pill | Male condom | Female condom | Diaphragm/Foam/Jelly | LAM | Periodic abstinence | Withdrawal | Other | Any modern method | | Any traditional method | Any method ¹ |
| Number of living children | | | | | | | | | | | | | | | | | | |
| 0 | 98.3 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.4 | 0.4 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 1.4 | 0.3 | 1.7 | 1,756 |
| 1 | 92.6 | 0.1 | 0.0 | 0.2 | 1.9 | 0.4 | 1.2 | 1.0 | 0.1 | 0.0 | 0.8 | 0.6 | 0.7 | 0.3 | 5.8 | 1.6 | 7.4 | 3,395 |
| 2 | 88.5 | 0.1 | 0.0 | 0.5 | 2.8 | 1.2 | 2.2 | 1.2 | 0.0 | 0.1 | 0.7 | 0.9 | 1.5 | 0.4 | 8.7 | 2.8 | 11.5 | 4,005 |
| 3 | 83.3 | 0.3 | 0.0 | 1.0 | 5.7 | 1.9 | 2.4 | 1.4 | 0.1 | 0.1 | 0.8 | 1.2 | 1.1 | 0.6 | 13.7 | 3.0 | 16.7 | 4,118 |
| 4+ | 83.4 | 0.3 | 0.0 | 0.9 | 5.7 | 1.8 | 2.9 | 1.0 | 0.0 | 0.2 | 0.6 | 1.2 | 0.7 | 1.1 | 13.5 | 3.1 | 16.6 | 11,099 |
| Education | | | | | | | | | | | | | | | | | | |
| None | 93.1 | 0.2 | 0.0 | 0.2 | 2.0 | 0.6 | 0.9 | 0.2 | 0.0 | 0.0 | 0.6 | 0.4 | 0.4 | 1.3 | 4.8 | 2.1 | 6.9 | 6,972 |
| Non-formal | 96.4 | 0.0 | 0.0 | 0.1 | 1.5 | 0.1 | 0.9 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.4 | 2.9 | 0.7 | 3.6 | 5,039 |
| Primary | 83.6 | 0.3 | 0.0 | 0.8 | 5.6 | 1.6 | 2.9 | 1.0 | 0.0 | 0.2 | 1.0 | 1.3 | 1.1 | 0.7 | 13.4 | 3.0 | 16.4 | 4,011 |
| Secondary | 78.6 | 0.2 | 0.0 | 1.1 | 7.3 | 2.7 | 3.6 | 2.0 | 0.1 | 0.2 | 0.9 | 1.5 | 1.5 | 0.4 | 18.0 | 3.4 | 21.4 | 6,278 |
| Higher | 71.0 | 0.4 | 0.0 | 2.3 | 7.2 | 3.0 | 5.3 | 3.9 | 0.3 | 0.2 | 0.5 | 3.1 | 2.2 | 0.5 | 23.1 | 5.8 | 29.0 | 2,072 |
| Wealth index quintile | | | | | | | | | | | | | | | | | | |
| Poorest | 95.8 | 0.0 | 0.0 | 0.0 | 1.3 | 0.1 | 0.7 | 0.1 | 0.0 | 0.0 | 0.3 | 0.2 | 0.2 | 1.2 | 2.6 | 1.6 | 4.2 | 5,282 |
| Second | 92.0 | 0.3 | 0.0 | 0.3 | 2.3 | 0.8 | 1.2 | 0.2 | 0.0 | 0.2 | 0.7 | 0.4 | 0.7 | 0.8 | 6.0 | 1.9 | 8.0 | 5,195 |
| Middle | 88.6 | 0.2 | 0.0 | 0.4 | 4.5 | 1.2 | 2.0 | 0.6 | 0.0 | 0.1 | 0.6 | 0.8 | 0.5 | 0.6 | 9.5 | 1.9 | 11.4 | 4,584 |
| Fourth | 81.6 | 0.2 | 0.0 | 0.9 | 6.2 | 2.1 | 3.2 | 1.6 | 0.2 | 0.1 | 0.8 | 1.4 | 1.3 | 0.4 | 15.3 | 3.1 | 18.4 | 4,411 |
| Richest | 73.6 | 0.4 | 0.0 | 2.0 | 7.8 | 3.0 | 4.8 | 2.9 | 0.1 | 0.2 | 0.7 | 2.3 | 1.7 | 0.5 | 21.9 | 4.6 | 26.4 | 4,901 |
| Ethnicity of household head | | | | | | | | | | | | | | | | | | |
| Hausa | 92.4 | 0.1 | 0.0 | 0.3 | 2.6 | 0.6 | 1.9 | 0.2 | 0.0 | 0.1 | 0.5 | 0.1 | 0.3 | 0.7 | 6.4 | 1.2 | 7.6 | 12,683 |
| Igbo | 77.2 | 0.3 | 0.0 | 0.9 | 3.9 | 2.2 | 2.1 | 3.6 | 0.4 | 0.3 | 1.4 | 4.2 | 3.1 | 0.3 | 15.2 | 7.6 | 22.8 | 1,999 |
| Yoruba | 72.9 | 0.4 | 0.0 | 2.7 | 8.6 | 2.2 | 5.1 | 3.3 | 0.0 | 0.1 | 0.7 | 1.2 | 2.0 | 0.7 | 23.2 | 3.9 | 27.1 | 2,811 |
| Other ethnic groups | 84.3 | 0.2 | 0.0 | 0.5 | 5.7 | 2.4 | 2.0 | 0.9 | 0.1 | 0.1 | 0.6 | 1.6 | 0.7 | 0.8 | 12.6 | 3.1 | 15.7 | 6,880 |

¹ MICS indicator 5.3; MDG indicator 5.3 - Contraceptive prevalence rate

Table RH.5: Use of contraception (continued)

Percentage of women age 15-49 years currently married or in union who are using (or whose partner is using) a contraceptive method, Nigeria, 2016-17

| | Percent of women currently married or in union who are using (or whose partner is using): | | | | | | | | | | | | | | | | Number of women age 15-49 years currently married or in union | | |
|--------------|---|----------------------|--------------------|------------|-------------|------------|------------|-------------|---------------|----------------------|------------|---------------------|------------|------------|-------------------|------------------------|---|-------------------------|--|
| | No method | Female sterilization | Male sterilization | IUD | Injectables | Implants | Pill | Male condom | Female condom | Diaphragm/Foam/Jelly | LAM | Periodic abstinence | Withdrawal | Other | Any modern method | Any traditional method | | Any method ¹ | |
| Total | 86.6 | 0.2 | 0.0 | 0.7 | 4.3 | 1.4 | 2.3 | 1.1 | 0.1 | 0.1 | 0.6 | 1.0 | 0.9 | 0.7 | 10.8 | 2.6 | 13.4 | 24,373 | |
| State | | | | | | | | | | | | | | | | | | | |
| Abia | 83.4 | 0.0 | 0.0 | 1.1 | 3.9 | 0.5 | 1.8 | 1.1 | 0.0 | 0.0 | 1.1 | 5.8 | 1.4 | 0.0 | 9.5 | 7.1 | 16.6 | 197 | |
| Adamawa | 90.9 | 0.6 | 0.0 | 0.5 | 3.9 | 0.4 | 1.2 | 0.3 | 0.1 | 0.3 | 0.0 | 0.5 | 1.0 | 0.5 | 7.1 | 2.0 | 9.1 | 612 | |
| Akwa Ibom | 84.3 | 0.3 | 0.0 | 0.0 | 5.9 | 1.0 | 2.2 | 1.3 | 0.2 | 0.0 | 0.0 | 3.7 | 1.0 | 0.2 | 10.8 | 4.9 | 15.7 | 457 | |
| Anambra | 71.8 | 0.6 | 0.0 | 0.0 | 1.9 | 3.4 | 2.2 | 5.0 | 1.0 | 0.0 | 2.8 | 7.1 | 4.2 | 0.0 | 16.9 | 11.3 | 28.2 | 322 | |
| Bauchi | 88.1 | 0.5 | 0.0 | 0.0 | 1.6 | 1.2 | 1.5 | 0.0 | 0.0 | 0.2 | 3.5 | 0.1 | 0.3 | 3.1 | 8.4 | 3.5 | 11.9 | 1,330 | |
| Bayelsa | 85.4 | 0.0 | 0.0 | 0.5 | 1.2 | 2.0 | 3.2 | 1.0 | 0.2 | 0.0 | 1.9 | 2.6 | 0.7 | 1.3 | 10.0 | 4.6 | 14.6 | 143 | |
| Benue | 81.9 | 0.7 | 0.0 | 0.0 | 3.3 | 5.5 | 1.1 | 3.3 | 0.1 | 0.0 | 0.0 | 1.9 | 1.7 | 0.7 | 13.9 | 4.2 | 18.1 | 650 | |
| Borno | 94.2 | 0.0 | 0.0 | 0.2 | 2.4 | 1.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.1 | 5.3 | 0.5 | 5.8 | 1,240 | |
| Cross River | 77.0 | 0.6 | 0.2 | 0.6 | 4.7 | 5.9 | 2.1 | 1.8 | 0.0 | 0.0 | 0.2 | 4.9 | 1.1 | 0.9 | 16.1 | 7.0 | 23.0 | 391 | |
| Delta | 89.1 | 0.0 | 0.0 | 0.8 | 3.5 | 0.8 | 2.6 | 0.3 | 0.0 | 0.0 | 0.0 | 1.5 | 1.0 | 0.4 | 8.0 | 2.9 | 10.9 | 354 | |
| Ebonyi | 97.0 | 0.3 | 0.2 | 0.0 | 0.5 | 0.4 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.5 | 0.3 | 0.2 | 2.1 | 0.9 | 3.0 | 212 | |
| Edo | 84.3 | 0.0 | 0.0 | 1.5 | 2.4 | 0.4 | 3.5 | 1.0 | 0.0 | 0.2 | 1.0 | 3.1 | 2.6 | 0.0 | 10.0 | 5.7 | 15.7 | 296 | |
| Ekiti | 68.6 | 0.6 | 0.3 | 4.0 | 7.7 | 1.7 | 1.6 | 7.3 | 0.0 | 0.2 | 0.7 | 2.1 | 3.4 | 1.3 | 24.4 | 6.8 | 31.4 | 143 | |
| Enugu | 77.9 | 0.5 | 0.0 | 0.2 | 8.2 | 2.7 | 1.4 | 2.8 | 0.0 | 0.9 | 1.4 | 3.7 | 0.2 | 0.2 | 18.0 | 4.1 | 22.1 | 232 | |
| Gombe | 93.4 | 0.0 | 0.0 | 0.3 | 3.4 | 0.9 | 0.7 | 0.1 | 0.0 | 0.0 | 0.7 | 0.1 | 0.0 | 0.3 | 6.0 | 0.4 | 6.6 | 440 | |
| Imo | 64.2 | 0.2 | 0.0 | 1.5 | 4.4 | 1.7 | 3.3 | 6.4 | 0.0 | 1.1 | 2.6 | 6.3 | 7.9 | 0.2 | 21.3 | 14.5 | 35.8 | 345 | |
| Jigawa | 98.7 | 0.0 | 0.0 | 0.4 | 0.4 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.1 | 0.2 | 1.3 | 1,110 | |
| Kaduna | 75.9 | 0.0 | 0.0 | 0.7 | 9.5 | 3.4 | 6.7 | 1.1 | 0.1 | 0.1 | 0.3 | 0.2 | 1.9 | 0.1 | 21.9 | 2.2 | 24.1 | 1,475 | |
| Kano | 93.7 | 0.0 | 0.0 | 0.4 | 2.2 | 0.7 | 2.2 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.0 | 0.4 | 5.7 | 0.6 | 6.3 | 1,862 | |
| Katsina | 93.7 | 0.4 | 0.0 | 0.2 | 3.1 | 0.2 | 0.6 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 1.5 | 4.9 | 1.5 | 6.3 | 1,671 | |
| Kebbi | 93.7 | 0.1 | 0.1 | 0.0 | 2.8 | 0.6 | 1.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.4 | 0.8 | 5.0 | 1.4 | 6.3 | 764 | |
| Kogi | 93.3 | 0.3 | 0.0 | 0.0 | 3.5 | 0.3 | 2.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 6.2 | 0.3 | 6.7 | 357 | |
| Kwara | 72.9 | 0.0 | 0.0 | 1.2 | 7.3 | 2.3 | 3.9 | 5.1 | 0.0 | 0.0 | 3.9 | 2.1 | 1.2 | 0.0 | 23.7 | 3.4 | 27.1 | 357 | |
| Lagos | 77.4 | 0.7 | 0.0 | 2.1 | 4.6 | 1.9 | 4.0 | 3.6 | 0.4 | 0.0 | 0.0 | 2.4 | 2.1 | 0.8 | 17.4 | 5.3 | 22.6 | 1,097 | |
| Nasarawa | 83.0 | 0.0 | 0.0 | 1.0 | 7.2 | 4.0 | 1.3 | 0.3 | 0.0 | 0.0 | 0.0 | 1.1 | 0.9 | 1.2 | 13.8 | 3.2 | 17.0 | 530 | |
| Niger | 88.8 | 0.0 | 0.0 | 1.0 | 2.9 | 0.0 | 2.2 | 0.6 | 0.1 | 0.0 | 1.3 | 1.2 | 0.1 | 1.9 | 8.1 | 3.2 | 11.2 | 1,227 | |
| Ogun | 78.7 | 0.0 | 0.0 | 1.0 | 8.1 | 1.7 | 5.0 | 2.3 | 0.0 | 0.1 | 0.0 | 0.4 | 0.8 | 1.9 | 18.2 | 3.2 | 21.3 | 327 | |
| Ondo | 78.2 | 0.0 | 0.0 | 3.0 | 5.5 | 1.7 | 3.0 | 3.6 | 0.3 | 0.0 | 1.6 | 0.5 | 2.6 | 0.0 | 18.8 | 3.1 | 21.8 | 404 | |
| Osun | 75.4 | 0.2 | 0.0 | 3.3 | 11.2 | 1.5 | 3.8 | 2.7 | 0.0 | 0.2 | 0.0 | 0.5 | 0.7 | 0.6 | 22.9 | 1.7 | 24.6 | 382 | |
| Oyo | 65.8 | 0.2 | 0.0 | 3.3 | 12.3 | 3.3 | 6.0 | 2.5 | 0.0 | 0.1 | 2.2 | 1.2 | 2.3 | 0.6 | 30.0 | 4.2 | 34.2 | 751 | |
| Plateau | 79.9 | 0.3 | 0.1 | 1.0 | 12.1 | 1.6 | 3.1 | 0.4 | 0.1 | 0.2 | 0.4 | 0.2 | 0.4 | 0.3 | 19.2 | 0.9 | 20.1 | 894 | |
| Rivers | 82.0 | 0.2 | 0.0 | 0.0 | 3.5 | 1.7 | 2.5 | 1.7 | 0.2 | 0.0 | 1.2 | 3.4 | 2.5 | 1.1 | 11.0 | 7.0 | 18.0 | 423 | |
| Sokoto | 95.3 | 0.0 | 0.0 | 0.0 | 2.7 | 0.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 4.6 | 0.1 | 4.7 | 784 | |
| Taraba | 93.3 | 0.1 | 0.0 | 0.2 | 4.3 | 0.2 | 0.5 | 0.1 | 0.0 | 0.1 | 0.0 | 0.7 | 0.0 | 0.4 | 5.6 | 1.1 | 6.7 | 364 | |
| Yobe | 96.5 | 0.0 | 0.0 | 0.0 | 1.8 | 0.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 3.3 | 0.2 | 3.5 | 866 | |
| Zamfara | 94.4 | 0.0 | 0.0 | 0.4 | 1.8 | 1.2 | 1.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 5.0 | 0.6 | 5.6 | 1,149 | |
| FCT Abuja | 73.8 | 1.6 | 0.0 | 1.4 | 5.9 | 1.7 | 2.7 | 5.0 | 0.4 | 0.0 | 1.3 | 2.4 | 1.3 | 2.6 | 19.9 | 6.3 | 26.2 | 213 | |

¹ MICS indicator 5.3; MDG indicator 5.3 - Contraceptive prevalence rate

Unmet Need

Table RH.6: Unmet need for contraception

Percentage of women age 15-49 years currently married or in union with an unmet need for family planning and percentage of demand for contraception satisfied, Nigeria, 2016-17

| | Met need for contraception | | | Unmet need for contraception | | | Number of women currently married or in union | Percentage of demand for contraception satisfied | Number of women currently married or in union with need for contraception |
|------------------------------------|----------------------------|--------------|-------------|------------------------------|--------------|--------------------|---|--|---|
| | For spacing | For limiting | Total | For spacing | For limiting | Total ¹ | | | |
| Total | 7.5 | 5.9 | 13.4 | 18.5 | 9.1 | 27.6 | 24,373 | 32.7 | 9,991 |
| Geopolitical zone | | | | | | | | | |
| North Central | 9.0 | 7.6 | 16.6 | 16.6 | 9.7 | 26.3 | 4,228 | 38.7 | 1,815 |
| North East | 4.9 | 2.7 | 7.6 | 20.3 | 6.6 | 26.9 | 4,852 | 22.1 | 1,674 |
| North West | 6.0 | 2.4 | 8.4 | 20.0 | 6.9 | 26.9 | 8,815 | 23.8 | 3,116 |
| South East | 8.4 | 14.9 | 23.3 | 12.6 | 12.1 | 24.7 | 1,310 | 48.6 | 628 |
| South South | 8.7 | 7.9 | 16.7 | 20.2 | 15.2 | 35.5 | 2,064 | 32.0 | 1,076 |
| South West | 12.3 | 13.5 | 25.8 | 15.3 | 13.1 | 28.4 | 3,103 | 47.7 | 1,682 |
| Residence | | | | | | | | | |
| Urban | 11.0 | 10.1 | 21.1 | 17.3 | 10.1 | 27.5 | 7,507 | 43.5 | 3,647 |
| Rural | 5.9 | 4.0 | 10.0 | 19.0 | 8.6 | 27.7 | 16,866 | 26.5 | 6,344 |
| Age (Years) | | | | | | | | | |
| 15-19 | 2.2 | 0.0 | 2.2 | 22.3 | 1.7 | 24.0 | 1,513 | 8.3 | 395 |
| 20-24 | 8.7 | 0.3 | 9.0 | 25.6 | 2.3 | 27.9 | 3,635 | 24.3 | 1,341 |
| 25-29 | 10.1 | 2.0 | 12.2 | 23.4 | 4.5 | 27.9 | 4,967 | 30.3 | 1,992 |
| 30-34 | 10.7 | 5.1 | 15.8 | 20.5 | 9.4 | 29.9 | 4,867 | 34.6 | 2,226 |
| 35-39 | 6.9 | 9.3 | 16.3 | 16.1 | 14.4 | 30.5 | 3,928 | 34.8 | 1,837 |
| 40-44 | 4.2 | 13.4 | 17.6 | 9.9 | 17.4 | 27.3 | 3,252 | 39.1 | 1,460 |
| 45-49 | 2.0 | 12.5 | 14.6 | 5.5 | 13.4 | 18.9 | 2,210 | 43.5 | 739 |
| Education | | | | | | | | | |
| None | 4.1 | 2.9 | 6.9 | 18.9 | 8.2 | 27.0 | 6,972 | 20.3 | 2,367 |
| Non-formal | 2.7 | 0.9 | 3.6 | 20.1 | 7.6 | 27.6 | 5,039 | 11.6 | 1,574 |
| Primary | 8.1 | 8.3 | 16.4 | 16.8 | 11.8 | 28.6 | 4,011 | 36.5 | 1,805 |
| Secondary | 12.5 | 8.9 | 21.4 | 19.4 | 9.7 | 29.1 | 6,278 | 42.4 | 3,170 |
| Higher | 14.5 | 14.5 | 29.0 | 14.0 | 8.8 | 22.9 | 2,072 | 55.9 | 1,075 |
| Wealth index quintile | | | | | | | | | |
| Poorest | 3.0 | 1.2 | 4.2 | 19.7 | 7.4 | 27.1 | 5,282 | 13.5 | 1,654 |
| Second | 4.9 | 3.0 | 8.0 | 18.8 | 8.2 | 27.0 | 5,195 | 22.8 | 1,817 |
| Middle | 6.8 | 4.5 | 11.4 | 18.9 | 9.0 | 27.9 | 4,584 | 28.9 | 1,803 |
| Fourth | 10.4 | 8.0 | 18.4 | 19.7 | 10.4 | 30.1 | 4,411 | 37.9 | 2,140 |
| Richest | 13.1 | 13.4 | 26.4 | 15.3 | 10.9 | 26.2 | 4,901 | 50.2 | 2,578 |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 5.4 | 2.2 | 7.6 | 20.3 | 7.0 | 27.3 | 12,683 | 21.8 | 4,422 |
| Igbo | 9.7 | 13.1 | 22.8 | 13.8 | 12.0 | 25.8 | 1,999 | 46.9 | 972 |
| Yoruba | 12.9 | 14.2 | 27.1 | 15.0 | 12.3 | 27.3 | 2,811 | 49.8 | 1,530 |
| Other ethnic groups | 8.5 | 7.3 | 15.7 | 18.0 | 10.9 | 28.9 | 6,880 | 35.3 | 3,068 |

Table RH.6: Unmet need for contraception (continued)

Percentage of women age 15-49 years currently married or in union with an unmet need for family planning and percentage of demand for contraception satisfied, Nigeria, 2016-17

| | Met need for contraception | | | Unmet need for contraception | | | Number of women currently married or in union | Percentage of demand for contraception satisfied | Number of women currently married or in union with need for contraception |
|--------------|----------------------------|--------------|-------------|------------------------------|--------------|--------------------|---|--|---|
| | For spacing | For limiting | Total | For spacing | For limiting | Total ¹ | | | |
| Total | 7.5 | 5.9 | 13.4 | 18.5 | 9.1 | 27.6 | 24,373 | 32.7 | 9,991 |
| State | | | | | | | | | |
| Abia | 4.2 | 12.4 | 16.6 | 19.1 | 13.9 | 33.0 | 197 | 33.5 | 98 |
| Adamawa | 4.6 | 4.5 | 9.1 | 23.9 | 11.4 | 35.3 | 612 | 20.5 | 272 |
| Akwa Ibom | 12.0 | 3.7 | 15.7 | 25.4 | 15.0 | 40.5 | 457 | 28.0 | 256 |
| Anambra | 9.1 | 19.2 | 28.2 | 8.4 | 13.6 | 22.0 | 322 | 56.2 | 162 |
| Bauchi | 8.6 | 3.3 | 11.9 | 22.0 | 5.1 | 27.1 | 1,330 | 30.5 | 518 |
| Bayelsa | 7.9 | 6.7 | 14.6 | 23.7 | 13.5 | 37.2 | 143 | 28.2 | 74 |
| Benue | 9.9 | 8.2 | 18.1 | 13.8 | 9.9 | 23.6 | 650 | 43.5 | 271 |
| Borno | 3.1 | 2.6 | 5.8 | 21.4 | 4.5 | 25.9 | 1,240 | 18.3 | 392 |
| Cross River | 11.3 | 11.7 | 23.0 | 18.1 | 8.2 | 26.2 | 391 | 46.7 | 192 |
| Delta | 4.3 | 6.6 | 10.9 | 26.8 | 18.0 | 44.8 | 354 | 19.6 | 197 |
| Ebonyi | 1.4 | 1.5 | 3.0 | 16.8 | 13.0 | 29.8 | 212 | 9.1 | 70 |
| Edo | 7.6 | 8.1 | 15.7 | 15.6 | 23.5 | 39.0 | 296 | 28.7 | 162 |
| Ekiti | 12.9 | 18.6 | 31.4 | 13.1 | 13.0 | 26.1 | 143 | 54.6 | 82 |
| Enugu | 5.3 | 16.8 | 22.1 | 14.9 | 10.2 | 25.1 | 232 | 46.8 | 110 |
| Gombe | 4.4 | 2.2 | 6.6 | 21.6 | 6.3 | 27.8 | 440 | 19.2 | 151 |
| Imo | 16.7 | 19.0 | 35.8 | 8.7 | 10.2 | 19.0 | 345 | 65.4 | 189 |
| Jigawa | 0.4 | 0.9 | 1.3 | 19.5 | 7.0 | 26.5 | 1,110 | 4.8 | 308 |
| Kaduna | 17.4 | 6.7 | 24.1 | 17.5 | 4.5 | 22.0 | 1,475 | 52.3 | 680 |
| Kano | 5.0 | 1.3 | 6.3 | 25.0 | 5.8 | 30.8 | 1,862 | 17.1 | 691 |
| Katsina | 4.1 | 2.2 | 6.3 | 20.3 | 9.3 | 29.5 | 1,671 | 17.6 | 599 |
| Kebbi | 4.4 | 1.9 | 6.3 | 19.5 | 10.1 | 29.6 | 764 | 17.6 | 275 |
| Kogi | 2.9 | 3.8 | 6.7 | 19.9 | 13.5 | 33.5 | 357 | 16.7 | 144 |
| Kwara | 14.7 | 12.4 | 27.1 | 12.7 | 6.4 | 19.1 | 357 | 58.7 | 165 |
| Lagos | 9.3 | 13.3 | 22.6 | 17.4 | 12.2 | 29.6 | 1,097 | 43.3 | 573 |
| Nasarawa | 10.3 | 6.7 | 17.0 | 18.2 | 6.3 | 24.5 | 530 | 41.0 | 220 |
| Niger | 6.8 | 4.4 | 11.2 | 19.1 | 10.3 | 29.5 | 1,227 | 27.6 | 500 |
| Ogun | 9.1 | 12.3 | 21.3 | 18.6 | 14.6 | 33.2 | 327 | 39.1 | 178 |
| Ondo | 13.1 | 8.8 | 21.8 | 12.7 | 14.9 | 27.6 | 404 | 44.2 | 199 |
| Osun | 12.0 | 12.7 | 24.6 | 14.5 | 11.2 | 25.6 | 382 | 49.0 | 192 |
| Oyo | 17.9 | 16.3 | 34.2 | 12.9 | 13.8 | 26.7 | 751 | 56.1 | 457 |
| Plateau | 10.0 | 10.1 | 20.1 | 15.4 | 10.1 | 25.5 | 894 | 44.1 | 408 |
| Rivers | 7.6 | 10.4 | 18.0 | 13.3 | 14.4 | 27.7 | 423 | 39.4 | 193 |
| Sokoto | 3.5 | 1.2 | 4.7 | 23.6 | 7.0 | 30.6 | 784 | 13.2 | 277 |
| Taraba | 4.4 | 2.3 | 6.7 | 17.5 | 8.9 | 26.3 | 364 | 20.3 | 120 |
| Yobe | 2.5 | 1.0 | 3.5 | 13.9 | 8.0 | 21.9 | 866 | 13.8 | 220 |
| Zamfara | 4.2 | 1.4 | 5.6 | 13.2 | 6.1 | 19.3 | 1,149 | 22.5 | 286 |
| FCT Abuja | 11.9 | 14.3 | 26.2 | 13.1 | 11.0 | 24.1 | 213 | 52.2 | 107 |

¹ MICS indicator 5.4; MDG indicator 5.6 - Unmet need

Antenatal Care

Table RH.7: Antenatal care coverage

Percent distribution of women age 15-49 years with a live birth in the last two years by antenatal care provider during the pregnancy for the last birth, Nigeria, 2016-17

| | Provider of antenatal care ^a | | | | | | No antenatal care | Total | Any skilled provider ^{1,b} | Number of women with a live birth in the last two years |
|--------------------------------------|---|---------------|-------------------|-----------------------------|-------------------------|------------|-------------------|--------------|-------------------------------------|---|
| | Medical doctor | Nurse/Midwife | Auxiliary midwife | Traditional birth attendant | Community health worker | Other | | | | |
| Total | 26.5 | 34.9 | 4.4 | 0.8 | 1.5 | 0.2 | 31.6 | 100.0 | 65.8 | 11,547 |
| Geopolitical zone | | | | | | | | | | |
| North Central | 26.2 | 34.2 | 2.1 | 0.4 | 1.3 | 0.0 | 35.7 | 100.0 | 62.5 | 1,770 |
| North East | 19.5 | 42.9 | 4.6 | 0.2 | 1.4 | 0.0 | 31.4 | 100.0 | 67.0 | 2,394 |
| North West | 18.2 | 28.4 | 7.0 | 0.2 | 2.1 | 0.1 | 44.0 | 100.0 | 53.6 | 4,603 |
| South East | 44.5 | 46.2 | 0.7 | 0.6 | 0.7 | 0.0 | 7.3 | 100.0 | 91.3 | 620 |
| South South | 43.7 | 35.4 | 2.0 | 5.2 | 0.6 | 0.0 | 13.1 | 100.0 | 81.0 | 900 |
| South West | 49.8 | 38.3 | 1.4 | 2.2 | 0.4 | 1.6 | 6.3 | 100.0 | 89.5 | 1,261 |
| Residence | | | | | | | | | | |
| Urban | 49.2 | 36.5 | 1.6 | 0.8 | 0.4 | 0.5 | 10.9 | 100.0 | 87.4 | 3,426 |
| Rural | 17.0 | 34.2 | 5.6 | 0.9 | 1.9 | 0.1 | 40.4 | 100.0 | 56.8 | 8,121 |
| Mother's age at birth (Years) | | | | | | | | | | |
| Less than 20 | 18.0 | 32.6 | 7.0 | 0.8 | 1.8 | 0.1 | 39.7 | 100.0 | 57.6 | 1,516 |
| 20-34 | 28.0 | 35.2 | 4.1 | 0.8 | 1.4 | 0.2 | 30.3 | 100.0 | 67.3 | 7,969 |
| Missing | 27.2 | 35.5 | 3.7 | 0.9 | 1.7 | 0.2 | 30.9 | 100.0 | 66.4 | 2,062 |
| Education | | | | | | | | | | |
| None | 13.2 | 30.3 | 4.7 | 0.6 | 1.3 | 0.1 | 49.9 | 100.0 | 48.2 | 3,208 |
| Non-formal | 11.4 | 26.6 | 6.6 | 0.2 | 2.8 | 0.0 | 52.4 | 100.0 | 44.6 | 2,560 |
| Primary | 26.1 | 41.5 | 5.9 | 2.0 | 1.9 | 0.2 | 22.4 | 100.0 | 73.6 | 1,716 |
| Secondary | 41.0 | 44.5 | 2.2 | 1.2 | 0.7 | 0.4 | 9.9 | 100.0 | 87.7 | 3,182 |
| Higher | 68.0 | 28.0 | 1.8 | 0.2 | 0.1 | 0.4 | 1.4 | 100.0 | 97.9 | 882 |
| Wealth index quintile | | | | | | | | | | |
| Poorest | 7.0 | 20.1 | 6.5 | 0.4 | 2.5 | 0.1 | 63.4 | 100.0 | 33.6 | 2,587 |
| Second | 12.7 | 33.9 | 7.3 | 0.7 | 2.3 | 0.1 | 43.1 | 100.0 | 53.9 | 2,548 |
| Middle | 24.1 | 42.6 | 4.2 | 1.0 | 1.3 | 0.2 | 26.7 | 100.0 | 70.8 | 2,270 |
| Fourth | 37.1 | 47.5 | 1.8 | 1.3 | 0.8 | 0.4 | 11.1 | 100.0 | 86.4 | 2,113 |
| Richest | 60.6 | 33.2 | 1.2 | 0.9 | 0.1 | 0.3 | 3.7 | 100.0 | 95.0 | 2,028 |
| Ethnicity of household head | | | | | | | | | | |
| Hausa | 19.1 | 30.7 | 5.8 | 0.1 | 2.0 | 0.0 | 42.1 | 100.0 | 55.7 | 6,543 |
| Igbo | 50.1 | 40.8 | 0.7 | 0.6 | 0.8 | 0.0 | 7.0 | 100.0 | 91.6 | 923 |
| Yoruba | 48.3 | 38.5 | 2.1 | 2.8 | 0.3 | 1.9 | 6.2 | 100.0 | 88.9 | 1,096 |
| Other ethnic group | 27.5 | 40.9 | 3.3 | 1.8 | 0.9 | 0.0 | 25.6 | 100.0 | 71.7 | 2,985 |

¹ MICS indicator 5.5a; MDG indicator 5.5 - Antenatal care coverage

^a Only the most qualified provider is considered in cases where more than one provider was reported.

^b Skilled providers include Medical doctor and Nurse/Midwife.

Table RH.7: Antenatal care coverage (continued)

Percent distribution of women age 15-49 years with a live birth in the last two years by antenatal care provider during the pregnancy for the last birth, Nigeria, 2016-17

| | Provider of antenatal care ^a | | | | | | | No antenatal care | Total | Any skilled provider ^{1,b} | Number of women with a live birth in the last two years |
|--------------|---|---------------|-------------------|-----------------------------|-------------------------|------------|-------------|-------------------|-------------|-------------------------------------|---|
| | Medical doctor | Nurse/Midwife | Auxiliary midwife | Traditional birth attendant | Community health worker | Other | | | | | |
| Total | 26.5 | 34.9 | 4.4 | 0.8 | 1.5 | 0.2 | 31.6 | 100.0 | 65.8 | 11,547 | |
| State | | | | | | | | | | | |
| Abia | 26.1 | 64.6 | 0.0 | 0.5 | 0.0 | 0.0 | 8.7 | 100.0 | 90.7 | 99 | |
| Adamawa | 17.4 | 55.3 | 7.5 | 0.0 | 0.9 | 0.0 | 19.0 | 100.0 | 80.1 | 264 | |
| Akwa Ibom | 55.5 | 25.0 | 0.0 | 6.3 | 0.0 | 0.0 | 13.2 | 100.0 | 80.5 | 228 | |
| Anambra | 66.7 | 31.7 | 0.0 | 0.0 | 0.4 | 0.0 | 1.3 | 100.0 | 98.3 | 140 | |
| Bauchi | 8.6 | 46.7 | 4.5 | 0.4 | 1.6 | 0.0 | 38.2 | 100.0 | 59.8 | 618 | |
| Bayelsa | 31.9 | 29.6 | 0.7 | 14.0 | 0.3 | 0.5 | 23.1 | 100.0 | 62.2 | 73 | |
| Benue | 29.1 | 36.3 | 2.1 | 0.0 | 1.2 | 0.0 | 31.4 | 100.0 | 67.5 | 271 | |
| Borno | 40.4 | 45.1 | 3.6 | 0.0 | 0.0 | 0.0 | 10.9 | 100.0 | 89.1 | 692 | |
| Cross River | 34.4 | 39.8 | 6.8 | 5.3 | 1.5 | 0.0 | 12.2 | 100.0 | 81.0 | 162 | |
| Delta | 34.5 | 42.2 | 0.7 | 4.3 | 0.8 | 0.0 | 17.5 | 100.0 | 77.4 | 173 | |
| Ebonyi | 25.1 | 46.1 | 3.8 | 2.2 | 1.2 | 0.0 | 21.6 | 100.0 | 75.0 | 111 | |
| Edo | 54.1 | 36.4 | 1.0 | 1.4 | 1.7 | 0.0 | 5.4 | 100.0 | 91.5 | 101 | |
| Ekiti | 24.6 | 58.7 | 4.5 | 1.0 | 1.1 | 1.7 | 8.3 | 100.0 | 87.9 | 54 | |
| Enugu | 44.6 | 48.4 | 0.0 | 0.8 | 1.1 | 0.0 | 5.1 | 100.0 | 93.0 | 105 | |
| Gombe | 12.9 | 43.2 | 11.4 | 0.0 | 4.6 | 0.0 | 27.9 | 100.0 | 67.5 | 236 | |
| Imo | 49.6 | 46.1 | 0.0 | 0.0 | 1.0 | 0.0 | 3.4 | 100.0 | 95.7 | 164 | |
| Jigawa | 19.3 | 21.8 | 9.9 | 0.2 | 6.5 | 0.0 | 42.3 | 100.0 | 51.0 | 595 | |
| Kaduna | 33.4 | 33.2 | 9.5 | 0.5 | 0.0 | 0.0 | 23.4 | 100.0 | 76.1 | 663 | |
| Kano | 17.6 | 40.0 | 7.5 | 0.3 | 4.6 | 0.1 | 29.9 | 100.0 | 65.1 | 1,038 | |
| Katsina | 14.0 | 27.5 | 3.6 | 0.0 | 0.0 | 0.3 | 54.6 | 100.0 | 45.1 | 916 | |
| Kebbi | 10.6 | 21.5 | 13.3 | 0.2 | 1.6 | 0.0 | 52.9 | 100.0 | 45.4 | 398 | |
| Kogi | 37.6 | 40.7 | 2.1 | 0.5 | 1.0 | 0.0 | 18.1 | 100.0 | 80.4 | 133 | |
| Kwara | 45.1 | 23.0 | 6.7 | 4.3 | 0.6 | 0.0 | 20.3 | 100.0 | 74.8 | 115 | |
| Lagos | 68.3 | 22.9 | 1.1 | 3.6 | 0.4 | 0.7 | 3.1 | 100.0 | 92.2 | 429 | |
| Nasarawa | 26.5 | 35.7 | 5.7 | 0.0 | 1.4 | 0.0 | 30.7 | 100.0 | 67.9 | 244 | |
| Niger | 10.9 | 35.7 | 1.2 | 0.4 | 2.6 | 0.0 | 49.1 | 100.0 | 47.9 | 527 | |
| Ogun | 40.7 | 44.0 | 0.6 | 3.4 | 0.0 | 2.2 | 9.0 | 100.0 | 85.3 | 132 | |
| Ondo | 40.1 | 44.7 | 0.3 | 1.1 | 0.0 | 1.0 | 12.8 | 100.0 | 85.0 | 163 | |
| Osun | 49.6 | 41.4 | 4.7 | 0.6 | 0.6 | 0.8 | 2.4 | 100.0 | 95.6 | 161 | |
| Oyo | 38.1 | 48.3 | 0.6 | 1.4 | 0.6 | 3.3 | 7.8 | 100.0 | 86.9 | 322 | |
| Plateau | 27.2 | 34.1 | 0.0 | 0.0 | 0.0 | 0.0 | 38.7 | 100.0 | 61.3 | 392 | |
| Rivers | 44.8 | 40.3 | 2.5 | 2.8 | 0.0 | 0.0 | 9.6 | 100.0 | 87.6 | 163 | |
| Sokoto | 16.9 | 17.0 | 1.3 | 0.0 | 1.0 | 0.0 | 63.9 | 100.0 | 35.1 | 409 | |
| Taraba | 10.4 | 34.2 | 0.7 | 0.0 | 3.9 | 0.0 | 50.9 | 100.0 | 45.2 | 173 | |
| Yobe | 9.4 | 29.2 | 2.6 | 0.3 | 1.1 | 0.0 | 57.4 | 100.0 | 41.2 | 410 | |
| Zamfara | 13.8 | 23.2 | 5.1 | 0.0 | 0.0 | 0.0 | 57.8 | 100.0 | 42.2 | 583 | |
| FCT Abuja | 61.7 | 20.6 | 0.5 | 0.0 | 1.1 | 0.0 | 16.1 | 100.0 | 82.8 | 89 | |

¹ MICS indicator 5.5a; MDG indicator 5.5 - Antenatal care coverage^a Only the most qualified provider is considered in cases where more than one provider was reported.^b Skilled providers include Medical doctor and Nurse/Midwife.

Table RH.8: Number of antenatal care visits and timing of first visit

Percent distribution of women age 15-49 years with a live birth in the last two years by number of antenatal care visits by any provider and by the timing of first antenatal care visits, Nigeria, 2016-17

| | Percent distribution of women who had: | | | | | | | Percent distribution of women by number of months pregnant at the time of first antenatal care visit | | | | | | | Number of women with a live birth in the last two years who had at least one ANC visit | Median months pregnant at first ANC visit | Number of women with a live birth in the last two years who had at least one ANC visit | |
|--------------------------------------|--|------------|------------|--------------|-------------------------------|--------------------|--------------|--|-----------------|-------------|-------------|------------|--------------------|--------------|--|---|--|--|
| | No antenatal care visits | One visit | Two visits | Three visits | 4 or more visits ¹ | Missing/Don't know | Total | No antenatal care visits | First trimester | 4-5 months | 6-7 months | 8+ months | Missing/Don't know | Total | | | | |
| | | | | | | | | | | | | | | | | | | |
| Total | 31.6 | 4.6 | 4.9 | 8.6 | 49.1 | 1.1 | 100.0 | 32.0 | 18.4 | 29.8 | 17.3 | 2.0 | 0.4 | 100.0 | 11,547 | 5.0 | 7,802 | |
| Geopolitical zone | | | | | | | | | | | | | | | | | | |
| North Central | 35.7 | 3.8 | 5.0 | 8.4 | 46.7 | 0.5 | 100.0 | 36.0 | 23.4 | 27.1 | 11.5 | 1.8 | 0.3 | 100.0 | 1,770 | 4.0 | 1,129 | |
| North East | 31.4 | 4.4 | 6.2 | 14.3 | 42.7 | 0.9 | 100.0 | 31.7 | 11.5 | 33.0 | 21.5 | 2.1 | 0.2 | 100.0 | 2,394 | 5.0 | 1,630 | |
| North West | 44.0 | 6.2 | 5.2 | 7.8 | 35.4 | 1.3 | 100.0 | 44.7 | 12.5 | 23.6 | 16.3 | 2.2 | 0.8 | 100.0 | 4,603 | 5.0 | 2,512 | |
| South East | 7.3 | 5.4 | 1.8 | 3.9 | 79.2 | 2.4 | 100.0 | 7.4 | 34.3 | 37.9 | 18.7 | 1.3 | 0.2 | 100.0 | 620 | 4.0 | 572 | |
| South South | 13.1 | 2.3 | 4.8 | 7.7 | 71.4 | 0.7 | 100.0 | 13.1 | 24.7 | 36.6 | 22.3 | 3.2 | 0.1 | 100.0 | 900 | 5.0 | 781 | |
| South West | 6.3 | 1.7 | 2.8 | 3.9 | 83.8 | 1.4 | 100.0 | 6.4 | 33.6 | 41.4 | 17.3 | 1.1 | 0.2 | 100.0 | 1,261 | 4.0 | 1,178 | |
| Residence | | | | | | | | | | | | | | | | | | |
| Urban | 10.9 | 4.7 | 3.6 | 8.6 | 70.7 | 1.4 | 100.0 | 11.7 | 26.0 | 39.1 | 20.6 | 2.2 | 0.4 | 100.0 | 3,426 | 4.0 | 3,013 | |
| Rural | 40.4 | 4.6 | 5.5 | 8.6 | 40.0 | 1.0 | 100.0 | 40.6 | 15.2 | 25.9 | 15.9 | 1.9 | 0.4 | 100.0 | 8,121 | 5.0 | 4,788 | |
| Mother's age at birth (Years) | | | | | | | | | | | | | | | | | | |
| Less than 20 | 39.7 | 6.1 | 5.4 | 9.2 | 38.1 | 1.4 | 100.0 | 40.1 | 16.1 | 27.8 | 13.8 | 2.0 | 0.3 | 100.0 | 1,516 | 5.0 | 904 | |
| 20-34 | 30.3 | 4.4 | 4.8 | 8.7 | 50.8 | 0.9 | 100.0 | 30.7 | 18.9 | 30.6 | 17.5 | 1.9 | 0.5 | 100.0 | 7,969 | 4.0 | 5,487 | |
| Missing | 30.9 | 4.3 | 4.8 | 7.9 | 50.5 | 1.6 | 100.0 | 31.2 | 18.1 | 28.3 | 19.4 | 2.6 | 0.3 | 100.0 | 2,062 | 5.0 | 1,411 | |
| Education | | | | | | | | | | | | | | | | | | |
| None | 49.9 | 5.9 | 6.1 | 8.5 | 28.5 | 1.0 | 100.0 | 50.6 | 10.3 | 21.0 | 15.5 | 1.9 | 0.7 | 100.0 | 3,208 | 5.0 | 1,564 | |
| Non-formal | 52.4 | 4.1 | 5.5 | 8.0 | 29.6 | 0.4 | 100.0 | 52.5 | 10.4 | 19.2 | 15.8 | 2.0 | 0.2 | 100.0 | 2,560 | 5.0 | 1,212 | |
| Primary | 22.4 | 5.2 | 4.8 | 11.1 | 54.4 | 2.1 | 100.0 | 22.5 | 20.1 | 32.5 | 21.3 | 3.0 | 0.6 | 100.0 | 1,716 | 5.0 | 1,320 | |
| Secondary | 9.9 | 3.7 | 4.2 | 8.9 | 72.0 | 1.2 | 100.0 | 10.3 | 26.3 | 41.8 | 19.3 | 1.9 | 0.3 | 100.0 | 3,182 | 4.0 | 2,843 | |
| Higher | 1.4 | 3.5 | 1.6 | 4.2 | 87.6 | 1.6 | 100.0 | 1.9 | 39.4 | 43.9 | 13.5 | 1.1 | 0.3 | 100.0 | 882 | 4.0 | 863 | |
| Wealth index quintile | | | | | | | | | | | | | | | | | | |
| Poorest | 63.4 | 4.1 | 4.4 | 6.0 | 21.5 | 0.7 | 100.0 | 63.9 | 7.9 | 13.9 | 12.1 | 2.0 | 0.2 | 100.0 | 2,587 | 5.0 | 929 | |
| Second | 43.1 | 5.4 | 6.4 | 10.0 | 34.4 | 0.7 | 100.0 | 43.4 | 13.7 | 23.5 | 17.2 | 1.9 | 0.4 | 100.0 | 2,548 | 5.0 | 1,433 | |
| Middle | 26.7 | 5.4 | 5.6 | 11.1 | 50.0 | 1.2 | 100.0 | 26.9 | 18.4 | 31.3 | 20.6 | 2.2 | 0.6 | 100.0 | 2,270 | 5.0 | 1,646 | |
| Fourth | 11.1 | 4.5 | 5.1 | 10.4 | 67.0 | 1.8 | 100.0 | 11.5 | 23.1 | 42.4 | 19.9 | 2.6 | 0.5 | 100.0 | 2,113 | 4.0 | 1,860 | |
| Richest | 3.7 | 3.6 | 2.7 | 5.4 | 83.2 | 1.5 | 100.0 | 4.1 | 32.8 | 43.2 | 17.8 | 1.5 | 0.6 | 100.0 | 2,028 | 4.0 | 1,933 | |
| Ethnicity of household head | | | | | | | | | | | | | | | | | | |
| Hausa | 42.1 | 5.7 | 5.5 | 9.1 | 36.4 | 1.2 | 100.0 | 42.7 | 12.5 | 24.8 | 17.0 | 2.4 | 0.5 | 100.0 | 6,543 | 5.0 | 3,716 | |
| Igbo | 7.0 | 4.3 | 2.2 | 3.6 | 81.1 | 1.8 | 100.0 | 7.1 | 34.1 | 39.0 | 18.5 | 1.2 | 0.2 | 100.0 | 923 | 4.0 | 855 | |
| Yoruba | 6.2 | 2.4 | 2.5 | 4.1 | 83.1 | 1.7 | 100.0 | 6.4 | 33.3 | 43.2 | 15.6 | 1.2 | 0.3 | 100.0 | 1,096 | 4.0 | 1,023 | |
| Other ethnic group | 25.6 | 3.2 | 5.4 | 10.7 | 54.5 | 0.6 | 100.0 | 25.7 | 21.1 | 32.9 | 18.2 | 1.7 | 0.3 | 100.0 | 2,985 | 4.0 | 2,208 | |

¹ MICS indicator 5.5b; MDG indicator 5.5 - Antenatal care coverage

Table RH.8: Number of antenatal care visits and timing of first visit (continued)

Percent distribution of women age 15-49 years with a live birth in the last two years by number of antenatal care visits by any provider and by the timing of first antenatal care visits, Nigeria, 2016-17

| | Percent distribution of women who had: | | | | | | | Percent distribution of women by number of months pregnant at the time of first antenatal care visit | | | | | | | Total | Number of women with a live birth in the last two years | Median months pregnant at first ANC visit | Number of women with a live birth in the last two years who had at least one ANC visit |
|--------------|--|------------|------------|--------------|-------------------------------|---------------------|--------------|--|-----------------|-------------|-------------|------------|---------------------|--------------|---------------|---|---|--|
| | No antenatal care visits | One visit | Two visits | Three visits | 4 or more visits ¹ | Missing/ Don't know | Total | No antenatal care visits | First trimester | 4-5 months | 6-7 months | 8+ months | Missing/ Don't know | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Total | 31.6 | 4.6 | 4.9 | 8.6 | 49.1 | 1.1 | 100.0 | 32.0 | 18.4 | 29.8 | 17.3 | 2.0 | 0.4 | 100.0 | 11,547 | 5.0 | 7,802 | |
| State | | | | | | | | | | | | | | | | | | |
| Abia | 8.7 | 0.9 | 1.3 | 2.4 | 86.1 | 0.5 | 100.0 | 8.7 | 32.0 | 35.8 | 22.6 | 0.9 | 0.0 | 100.0 | 99 | 4.0 | 90 | |
| Adamawa | 19.0 | 3.6 | 5.8 | 14.6 | 55.7 | 1.4 | 100.0 | 19.8 | 26.1 | 39.6 | 13.0 | 1.2 | 0.2 | 100.0 | 264 | 4.0 | 211 | |
| Akwa Ibom | 13.2 | 2.0 | 7.2 | 10.8 | 66.7 | 0.0 | 100.0 | 13.2 | 14.2 | 41.9 | 29.4 | 1.2 | 0.0 | 100.0 | 228 | 5.0 | 198 | |
| Anambra | 1.3 | 3.3 | 1.0 | 2.0 | 90.0 | 2.4 | 100.0 | 1.3 | 40.2 | 41.7 | 14.4 | 2.4 | 0.0 | 100.0 | 140 | 4.0 | 138 | |
| Bauchi | 38.2 | 4.9 | 9.0 | 12.7 | 33.0 | 2.3 | 100.0 | 38.4 | 6.5 | 22.0 | 30.7 | 2.2 | 0.2 | 100.0 | 618 | 6.0 | 380 | |
| Bayelsa | 23.1 | 1.3 | 8.0 | 4.8 | 62.9 | 0.0 | 100.0 | 23.1 | 26.1 | 27.4 | 21.0 | 2.2 | 0.3 | 100.0 | 73 | 4.0 | 56 | |
| Benue | 31.4 | 3.4 | 6.3 | 9.7 | 48.2 | 1.1 | 100.0 | 31.4 | 29.6 | 23.7 | 12.1 | 2.7 | 0.5 | 100.0 | 271 | 4.0 | 185 | |
| Borno | 10.9 | 3.4 | 4.6 | 19.2 | 61.9 | 0.0 | 100.0 | 10.9 | 12.0 | 50.1 | 22.8 | 4.1 | 0.0 | 100.0 | 692 | 5.0 | 617 | |
| Cross River | 12.2 | 1.9 | 5.4 | 13.4 | 67.1 | 0.0 | 100.0 | 12.2 | 22.1 | 36.8 | 25.4 | 3.5 | 0.0 | 100.0 | 162 | 5.0 | 142 | |
| Delta | 17.5 | 3.5 | 6.3 | 5.4 | 64.5 | 2.7 | 100.0 | 17.5 | 22.8 | 39.3 | 17.6 | 2.8 | 0.0 | 100.0 | 173 | 4.0 | 143 | |
| Ebonyi | 21.6 | 2.1 | 2.2 | 11.5 | 57.7 | 4.9 | 100.0 | 22.3 | 26.1 | 32.6 | 16.5 | 1.4 | 0.9 | 100.0 | 111 | 4.0 | 85 | |
| Edo | 5.4 | 3.1 | 1.6 | 6.3 | 83.7 | 0.0 | 100.0 | 5.4 | 34.9 | 32.4 | 16.6 | 10.1 | 0.6 | 100.0 | 101 | 4.0 | 95 | |
| Ekiti | 8.3 | 2.4 | 1.1 | 1.5 | 86.1 | 0.6 | 100.0 | 9.6 | 27.8 | 44.4 | 15.1 | 3.1 | 0.0 | 100.0 | 54 | 4.0 | 49 | |
| Enugu | 5.1 | 10.4 | 0.9 | 2.9 | 76.7 | 4.0 | 100.0 | 5.1 | 41.9 | 38.5 | 14.1 | 0.0 | 0.4 | 100.0 | 105 | 4.0 | 99 | |
| Gombe | 27.9 | 10.2 | 9.3 | 17.8 | 34.1 | 0.6 | 100.0 | 29.8 | 14.9 | 38.1 | 14.9 | 1.3 | 1.0 | 100.0 | 236 | 5.0 | 163 | |
| Imo | 3.4 | 9.1 | 3.0 | 1.9 | 81.9 | 0.6 | 100.0 | 3.4 | 31.3 | 39.2 | 24.6 | 1.4 | 0.0 | 100.0 | 164 | 4.0 | 159 | |
| Jigawa | 42.3 | 7.6 | 5.7 | 7.2 | 36.3 | 0.9 | 100.0 | 45.0 | 16.3 | 20.4 | 15.4 | 2.6 | 0.3 | 100.0 | 595 | 5.0 | 326 | |
| Kaduna | 23.4 | 17.5 | 2.4 | 9.0 | 43.8 | 3.8 | 100.0 | 23.8 | 25.8 | 32.5 | 16.4 | 1.3 | 0.3 | 100.0 | 663 | 4.0 | 504 | |

Table RH.8: Number of antenatal care visits and timing of first visit (continued)

Percent distribution of women age 15-49 years with a live birth in the last two years by number of antenatal care visits by any provider and by the timing of first antenatal care visits, Nigeria, 2016-17

| State | Percent distribution of women who had: | | | | | | | Percent distribution of women by number of months pregnant at the time of first antenatal care visit | | | | | | | Total | Number of women with a live birth in the last two years | Median months at first ANC visit | Number of women with a live birth in the last two years who had at least one ANC visit |
|-----------|--|-----------|------------|--------------|-------------------------------|------------|-------|--|-----------------|------------|------------|-----------|------------|-------|-------|---|----------------------------------|--|
| | No antenatal care visits | One visit | Two visits | Three visits | 4 or more visits ¹ | Missing/DK | Total | No antenatal care visits | First trimester | 4-5 months | 6-7 months | 8+ months | DK/Missing | Total | | | | |
| | Kano | 29.9 | 3.7 | 7.6 | 13.6 | 44.7 | 0.5 | 100.0 | 30.3 | 9.1 | 32.4 | 24.6 | 3.1 | 0.5 | | | | |
| Katsina | 54.6 | 3.3 | 4.3 | 3.3 | 33.4 | 1.1 | 100.0 | 55.1 | 4.7 | 20.3 | 18.1 | 1.2 | 0.6 | 100.0 | 916 | 5.0 | 406 | |
| Kebbi | 52.9 | 7.0 | 7.5 | 8.3 | 20.9 | 3.5 | 100.0 | 53.3 | 15.9 | 14.1 | 6.7 | 5.3 | 4.6 | 100.0 | 398 | 4.0 | 168 | |
| Kogi | 18.1 | 7.7 | 5.4 | 8.5 | 57.0 | 3.3 | 100.0 | 20.1 | 27.1 | 35.4 | 13.1 | 2.3 | 2.1 | 100.0 | 133 | 4.0 | 104 | |
| Kwara | 20.3 | 0.6 | 3.0 | 8.9 | 66.6 | 0.6 | 100.0 | 20.3 | 21.4 | 45.5 | 11.5 | 1.2 | 0.0 | 100.0 | 115 | 5.0 | 91 | |
| Lagos | 3.1 | 0.8 | 0.5 | 1.4 | 94.2 | 0.1 | 100.0 | 3.1 | 42.5 | 43.1 | 11.0 | 0.1 | 0.2 | 100.0 | 429 | 4.0 | 415 | |
| Nasarawa | 30.7 | 6.7 | 3.4 | 8.7 | 50.2 | 0.3 | 100.0 | 31.6 | 28.5 | 26.9 | 11.6 | 1.1 | 0.3 | 100.0 | 244 | 4.0 | 166 | |
| Niger | 49.1 | 4.1 | 5.7 | 8.5 | 32.6 | 0.0 | 100.0 | 49.1 | 18.6 | 20.6 | 9.4 | 2.3 | 0.0 | 100.0 | 527 | 4.0 | 268 | |
| Ogun | 9.0 | 0.0 | 2.6 | 2.0 | 86.4 | 0.0 | 100.0 | 9.0 | 28.0 | 44.4 | 17.9 | 0.6 | 0.0 | 100.0 | 132 | 4.0 | 120 | |
| Ondo | 12.8 | 2.2 | 3.3 | 4.5 | 76.1 | 1.1 | 100.0 | 12.8 | 22.9 | 36.1 | 25.4 | 2.7 | 0.0 | 100.0 | 163 | 5.0 | 142 | |
| Osun | 2.4 | 0.0 | 3.3 | 2.1 | 92.2 | 0.0 | 100.0 | 2.4 | 32.9 | 42.5 | 21.1 | 1.2 | 0.0 | 100.0 | 161 | 4.0 | 157 | |
| Oyo | 7.8 | 4.3 | 5.9 | 9.0 | 68.3 | 4.8 | 100.0 | 7.8 | 30.9 | 39.6 | 19.8 | 1.3 | 0.6 | 100.0 | 322 | 4.0 | 295 | |
| Plateau | 38.7 | 2.1 | 4.9 | 7.8 | 46.5 | 0.0 | 100.0 | 38.7 | 20.7 | 26.2 | 13.5 | 0.9 | 0.0 | 100.0 | 392 | 4.0 | 240 | |
| Rivers | 9.6 | 1.6 | 0.0 | 2.2 | 85.8 | 0.8 | 100.0 | 9.6 | 36.8 | 32.9 | 18.4 | 2.3 | 0.0 | 100.0 | 163 | 4.0 | 148 | |
| Sokoto | 63.9 | 3.2 | 3.6 | 4.3 | 24.9 | 0.1 | 100.0 | 63.9 | 8.8 | 14.8 | 10.9 | 1.6 | 0.0 | 100.0 | 409 | 5.0 | 148 | |
| Taraba | 50.9 | 3.7 | 4.9 | 7.4 | 31.6 | 1.5 | 100.0 | 50.9 | 15.2 | 23.3 | 9.9 | 0.7 | 0.0 | 100.0 | 173 | 4.0 | 85 | |
| Yobe | 57.4 | 2.8 | 3.9 | 9.3 | 26.6 | 0.0 | 100.0 | 57.6 | 5.5 | 17.3 | 19.3 | 0.2 | 0.0 | 100.0 | 410 | 5.0 | 174 | |
| Zamfara | 57.8 | 2.8 | 4.6 | 5.7 | 29.0 | 0.2 | 100.0 | 57.8 | 12.3 | 18.9 | 9.4 | 1.2 | 0.4 | 100.0 | 583 | 4.0 | 243 | |
| FCT Abuja | 16.1 | 1.2 | 3.2 | 4.1 | 75.2 | 0.2 | 100.0 | 16.1 | 28.3 | 44.8 | 9.8 | 1.0 | 0.0 | 100.0 | 89 | 4.0 | 75 | |

¹ MICS indicator 5.5b; MDG indicator 5.5 - Antenatal care coverage

Table RH.9: Content of antenatal care

Percentage of women age 15-49 years with a live birth in the last two years who, at least once, had their blood pressure measured, urine sample taken, and blood sample taken as part of antenatal care, during the pregnancy for the last birth, Nigeria, 2016-17

| | Percentage of women who, during the pregnancy of their last birth, had: | | | | Number of women with a live birth in the last two years |
|--------------------------------------|---|--------------------|--------------------|--|---|
| | Blood pressure measured | Urine sample taken | Blood sample taken | Blood pressure measured, urine and blood sample taken ¹ | |
| Total | 62.2 | 57.6 | 58.4 | 53.6 | 11,547 |
| Geopolitical zone | | | | | |
| North Central | 61.1 | 56.8 | 57.1 | 53.4 | 1,770 |
| North East | 64.9 | 59.5 | 60.4 | 56.8 | 2,394 |
| North West | 48.2 | 44.3 | 44.5 | 39.5 | 4,603 |
| South East | 82.3 | 81.4 | 83.2 | 75.1 | 620 |
| South South | 76.8 | 72.2 | 75.1 | 68.9 | 900 |
| South West | 89.0 | 81.8 | 83.7 | 77.5 | 1,261 |
| Residence | | | | | |
| Urban | 84.9 | 82.9 | 82.9 | 78.7 | 3,426 |
| Rural | 52.6 | 47.0 | 48.1 | 42.9 | 8,121 |
| Mother's age at birth (Years) | | | | | |
| Less than 20 | 52.1 | 47.6 | 49.2 | 43.2 | 1,516 |
| 20-34 | 63.8 | 59.3 | 60.1 | 55.3 | 7,969 |
| Missing | 63.2 | 58.7 | 58.9 | 54.6 | 2,062 |
| Education | | | | | |
| None | 45.0 | 39.4 | 40.0 | 36.0 | 3,208 |
| Non-formal | 40.0 | 36.1 | 36.5 | 32.1 | 2,560 |
| Primary | 69.7 | 63.6 | 63.7 | 57.8 | 1,716 |
| Secondary | 83.8 | 79.7 | 81.3 | 75.4 | 3,182 |
| Higher | 96.4 | 95.4 | 96.6 | 92.9 | 882 |
| Wealth index quintile | | | | | |
| Poorest | 29.8 | 24.8 | 25.2 | 21.6 | 2,587 |
| Second | 49.0 | 42.7 | 43.5 | 38.1 | 2,548 |
| Middle | 66.5 | 62.2 | 62.8 | 56.7 | 2,270 |
| Fourth | 83.1 | 78.8 | 80.3 | 74.8 | 2,113 |
| Richest | 93.3 | 91.2 | 92.0 | 88.0 | 2,028 |
| Ethnicity of household head | | | | | |
| Hausa | 51.6 | 47.3 | 47.2 | 43.2 | 6,543 |
| Igbo | 84.5 | 82.2 | 83.5 | 76.3 | 923 |
| Yoruba | 88.8 | 82.1 | 84.3 | 77.8 | 1,096 |
| Other ethnic group | 68.7 | 63.7 | 65.8 | 60.4 | 2,985 |

¹ MICS indicator 5.6 - Content of antenatal care

Table RH.9: Content of antenatal care (continued)

Percentage of women age 15-49 years with a live birth in the last two years who, at least once, had their blood pressure measured, urine sample taken, and blood sample taken as part of antenatal care, during the pregnancy for the last birth, Nigeria, 2016-17

| | Percentage of women who, during the pregnancy of their last birth, had: | | | | Number of women with a live birth in the last two years |
|--------------|---|--------------------|--------------------|--|---|
| | Blood pressure measured | Urine sample taken | Blood sample taken | Blood pressure measured, urine and blood sample taken ¹ | |
| Total | 62.2 | 57.6 | 58.4 | 53.6 | 11,547 |
| State | | | | | |
| Abia | 79.8 | 72.0 | 80.0 | 69.0 | 99 |
| Adamawa | 73.8 | 70.0 | 71.8 | 67.3 | 264 |
| Akwa Ibom | 77.8 | 72.5 | 76.8 | 71.4 | 228 |
| Anambra | 86.3 | 96.5 | 96.9 | 84.9 | 140 |
| Bauchi | 58.0 | 49.6 | 49.5 | 46.9 | 618 |
| Bayelsa | 60.7 | 55.6 | 56.8 | 54.7 | 73 |
| Benue | 66.1 | 63.7 | 64.9 | 60.6 | 271 |
| Borno | 87.7 | 85.4 | 83.8 | 83.1 | 692 |
| Cross River | 79.1 | 69.1 | 75.5 | 67.1 | 162 |
| Delta | 71.0 | 66.8 | 70.5 | 61.8 | 173 |
| Ebonyi | 59.6 | 55.0 | 55.0 | 46.7 | 111 |
| Edo | 91.9 | 89.0 | 89.5 | 86.2 | 101 |
| Ekiti | 88.2 | 77.0 | 81.4 | 72.2 | 54 |
| Enugu | 89.2 | 88.6 | 85.7 | 82.7 | 105 |
| Gombe | 66.9 | 56.6 | 63.2 | 53.7 | 236 |
| Imo | 91.2 | 87.5 | 90.7 | 84.7 | 164 |
| Jigawa | 50.1 | 47.8 | 47.0 | 42.2 | 595 |
| Kaduna | 73.5 | 71.1 | 70.6 | 67.2 | 663 |
| Kano | 58.7 | 55.9 | 56.4 | 49.3 | 1,038 |
| Katsina | 39.2 | 33.2 | 33.1 | 29.5 | 916 |
| Kebbi | 40.4 | 32.3 | 35.6 | 28.0 | 398 |
| Kogi | 74.0 | 71.8 | 72.0 | 66.7 | 133 |
| Kwara | 74.0 | 69.7 | 71.1 | 68.1 | 115 |
| Lagos | 94.9 | 91.3 | 90.3 | 88.8 | 429 |
| Nasarawa | 66.9 | 62.2 | 64.7 | 59.8 | 244 |
| Niger | 47.7 | 40.2 | 42.6 | 38.9 | 527 |
| Ogun | 87.2 | 69.2 | 75.4 | 63.5 | 132 |
| Ondo | 81.3 | 72.8 | 78.2 | 68.0 | 163 |
| Osun | 92.7 | 83.1 | 85.6 | 75.2 | 161 |
| Oyo | 83.9 | 78.8 | 80.3 | 74.9 | 322 |
| Plateau | 59.4 | 57.5 | 52.8 | 50.3 | 392 |
| Rivers | 77.3 | 77.5 | 76.4 | 70.3 | 163 |
| Sokoto | 29.4 | 26.5 | 27.0 | 24.2 | 409 |
| Taraba | 48.2 | 38.3 | 40.7 | 36.5 | 173 |
| Yobe | 37.3 | 34.8 | 36.5 | 30.8 | 410 |
| Zamfara | 31.4 | 27.8 | 27.1 | 22.0 | 583 |
| FCT Abuja | 80.4 | 77.9 | 77.3 | 75.0 | 89 |

¹ MICS indicator 5.6 - Content of antenatal care

Assistance at Delivery

Table RH.10: Assistance during delivery and caesarian section

Percent distribution of women age 15-49 years with a live birth in the last two years by person providing assistance at delivery, and percentage of births delivered by C-section, Nigeria, 2016-17

| | Person assisting at delivery | | | | | | | | | Percent delivered by C-section | | | | Number of women who had a live birth in the last two years |
|--------------------------------------|------------------------------|---------------|-------------------|-----------------------------|-------------------------|------------------|------------|--------------|--------------|---|--------------------------------------|-------------------------------------|--------------------|--|
| | Medical doctor | Nurse/Midwife | Auxiliary midwife | Traditional birth attendant | Community health worker | Relative /Friend | Other | No attendant | Total | Delivery assisted by any skilled attendant ^{1,a} | Decided before onset of labour pains | Decided after onset of labour pains | Total ² | |
| Total | 12.0 | 28.3 | 2.7 | 15.6 | 1.4 | 25.8 | 2.3 | 11.8 | 100.0 | 43.0 | 1.2 | 1.6 | 2.8 | 11,547 |
| Geopolitical zone | | | | | | | | | | | | | | |
| North Central | 14.9 | 31.2 | 4.1 | 10.4 | 2.1 | 28.2 | 4.6 | 4.5 | 100.0 | 50.3 | 1.0 | 1.4 | 2.3 | 1,770 |
| North East | 6.5 | 25.3 | 2.3 | 15.0 | 1.6 | 39.3 | 2.4 | 7.6 | 100.0 | 34.0 | 0.7 | 0.8 | 1.4 | 2,394 |
| North West | 6.2 | 14.9 | 2.5 | 19.9 | 1.4 | 31.0 | 1.4 | 22.7 | 100.0 | 23.6 | 0.7 | 1.3 | 2.0 | 4,603 |
| South East | 20.9 | 68.0 | 1.8 | 3.3 | 1.2 | 3.1 | 0.5 | 1.2 | 100.0 | 90.7 | 2.3 | 2.3 | 4.5 | 620 |
| South South | 18.0 | 43.8 | 2.2 | 27.7 | 0.9 | 4.5 | 2.1 | 0.9 | 100.0 | 64.0 | 2.1 | 2.6 | 4.7 | 900 |
| South West | 30.8 | 48.7 | 3.2 | 6.0 | 0.3 | 4.5 | 3.1 | 3.4 | 100.0 | 82.7 | 3.2 | 3.8 | 6.9 | 1,261 |
| Residence | | | | | | | | | | | | | | |
| Urban | 23.5 | 41.3 | 2.3 | 9.4 | 0.8 | 14.9 | 2.1 | 5.7 | 100.0 | 67.1 | 2.7 | 3.0 | 5.7 | 3,426 |
| Rural | 7.2 | 22.9 | 2.9 | 18.2 | 1.6 | 30.5 | 2.4 | 14.4 | 100.0 | 32.9 | 0.6 | 1.0 | 1.6 | 8,121 |
| Mother's age at birth (Years) | | | | | | | | | | | | | | |
| Less than 20 | 8.2 | 19.7 | 3.5 | 20.2 | 1.7 | 34.7 | 2.5 | 9.5 | 100.0 | 31.4 | 0.7 | 1.4 | 2.1 | 1,516 |
| 20-34 | 12.4 | 30.0 | 2.8 | 15.1 | 1.4 | 24.7 | 2.3 | 11.4 | 100.0 | 45.1 | 1.0 | 1.8 | 2.7 | 7,969 |
| 35-49 | 13.4 | 28.3 | 1.8 | 14.1 | 1.2 | 24.0 | 2.1 | 15.1 | 100.0 | 43.5 | 2.4 | 1.3 | 3.7 | 2,062 |
| Place of delivery | | | | | | | | | | | | | | |
| Home | 1.9 | 7.2 | 1.6 | 23.7 | 1.5 | 41.9 | 2.9 | 19.3 | 100.0 | 10.7 | 0.0 | 0.0 | 0.0 | 6,952 |
| Health facility | 28.6 | 62.8 | 4.3 | 2.4 | 1.3 | 0.2 | 0.2 | 0.3 | 100.0 | 95.6 | 3.2 | 4.3 | 7.5 | 4,333 |
| Public | 26.1 | 66.5 | 5.0 | 0.4 | 1.5 | 0.1 | 0.2 | 0.3 | 100.0 | 97.6 | 3.2 | 3.9 | 7.1 | 2,823 |
| Private | 33.2 | 55.9 | 2.9 | 6.2 | 0.9 | 0.4 | 0.2 | 0.3 | 100.0 | 92.0 | 3.1 | 5.0 | 8.1 | 1,511 |
| Other/DK/Missing | 6.6 | 19.4 | 6.8 | 18.2 | 1.1 | 23.7 | 21.2 | 3.0 | 100.0 | 32.8 | 0.0 | 0.0 | 0.0 | 262 |

Table RH.10: Assistance during delivery and caesarian section (continued)

Percent distribution of women age 15-49 years with a live birth in the last two years by person providing assistance at delivery, and percentage of births delivered by C-section, Nigeria, 2016-17

| | Person assisting at delivery | | | | | | | | Percent delivered by C-section | | | | | Number of women who had a live birth in the last two years |
|------------------------------------|------------------------------|---------------|-------------------|-----------------------------|-------------------------|-----------------|-------|--------------|--------------------------------|---|--------------------------------------|-------------------------------------|--------------------|--|
| | Medical doctor | Nurse/Midwife | Auxiliary midwife | Traditional birth attendant | Community health worker | Relative/Friend | Other | No attendant | Total | Delivery assisted by any skilled attendant ^{1,a} | Decided before onset of labour pains | Decided after onset of labour pains | Total ² | |
| Education | | | | | | | | | | | | | | |
| None | 4.6 | 15.8 | 2.0 | 16.0 | 1.4 | 38.8 | 3.0 | 18.5 | 100.0 | 22.4 | 0.3 | 0.5 | 0.9 | 3,208 |
| Non-formal | 3.7 | 10.0 | 2.8 | 25.6 | 1.8 | 34.9 | 1.6 | 19.6 | 100.0 | 16.5 | 0.5 | 0.6 | 1.1 | 2,560 |
| Primary | 9.5 | 30.3 | 4.3 | 17.4 | 1.3 | 25.5 | 2.0 | 9.7 | 100.0 | 44.1 | 0.6 | 1.1 | 1.6 | 1,716 |
| Secondary | 19.3 | 49.1 | 2.4 | 10.0 | 1.4 | 11.8 | 2.9 | 3.1 | 100.0 | 70.9 | 1.1 | 2.8 | 3.9 | 3,182 |
| Higher | 41.4 | 48.4 | 2.9 | 2.1 | 0.3 | 3.9 | 0.4 | 0.6 | 100.0 | 92.7 | 7.7 | 5.4 | 13.1 | 882 |
| Wealth index quintile | | | | | | | | | | | | | | |
| Poorest | 2.9 | 7.8 | 2.1 | 23.2 | 1.8 | 40.2 | 2.4 | 19.6 | 100.0 | 12.8 | 0.3 | 0.6 | 0.9 | 2,587 |
| Second | 5.5 | 15.8 | 3.0 | 18.3 | 1.5 | 34.3 | 3.1 | 18.4 | 100.0 | 24.3 | 0.4 | 0.5 | 0.9 | 2,548 |
| Middle | 9.4 | 30.1 | 2.5 | 15.5 | 1.7 | 28.0 | 2.4 | 10.3 | 100.0 | 42.1 | 0.5 | 1.1 | 1.6 | 2,270 |
| Fourth | 14.3 | 46.1 | 3.1 | 14.0 | 1.3 | 14.2 | 1.8 | 5.3 | 100.0 | 63.5 | 0.9 | 2.3 | 3.3 | 2,113 |
| Richest | 32.3 | 49.8 | 2.8 | 4.3 | 0.4 | 6.7 | 1.6 | 2.2 | 100.0 | 84.9 | 4.3 | 4.2 | 8.4 | 2,028 |
| Ethnicity of household head | | | | | | | | | | | | | | |
| Hausa | 6.6 | 16.5 | 2.5 | 18.3 | 1.4 | 34.3 | 1.8 | 18.6 | 100.0 | 25.6 | 0.6 | 1.0 | 1.7 | 6,543 |
| Igbo | 25.1 | 62.0 | 1.6 | 3.6 | 1.2 | 3.8 | 1.2 | 1.4 | 100.0 | 88.8 | 2.5 | 2.8 | 5.3 | 923 |
| Yoruba | 29.7 | 48.6 | 4.0 | 7.8 | 0.4 | 3.2 | 3.2 | 3.0 | 100.0 | 82.4 | 3.1 | 3.7 | 6.8 | 1,096 |
| Other ethnic group | 13.2 | 36.4 | 3.0 | 16.4 | 1.7 | 22.5 | 3.3 | 3.5 | 100.0 | 52.6 | 1.3 | 1.7 | 3.0 | 2,985 |

¹ MICS indicator 5.7; MDG indicator 5.2 - Skilled attendant at delivery² MICS indicator 5.9 - Caesarean section^a Skilled attendants include Medical doctor and Nurse/Midwife.

Table RH.10: Assistance during delivery and caesarian section (continued)

Percent distribution of women age 15-49 years with a live birth in the last two years by person providing assistance at delivery, and percentage of births delivered by C-section, Nigeria, 2016-17

| | Person assisting at delivery | | | | | | | | | Percent delivered by C-section | | | | Number of women who had a live birth in the last two years |
|--------------|------------------------------|---------------|-------------------|-----------------------------|-------------------------|------------------|------------|--------------|--------------|---|--------------------------------------|-------------------------------------|--------------------|--|
| | Medical doctor | Nurse/Midwife | Auxiliary midwife | Traditional birth attendant | Community health worker | Relative /Friend | Other | No attendant | Total | Delivery assisted by any skilled attendant ^{1,a} | Decided before onset of labour pains | Decided after onset of labour pains | Total ² | |
| Total | 12.0 | 28.3 | 2.7 | 15.6 | 1.4 | 25.8 | 2.3 | 11.8 | 100.0 | 43.0 | 1.2 | 1.6 | 2.8 | 11,547 |
| State | | | | | | | | | | | | | | |
| Abia | 16.5 | 72.5 | 2.4 | 5.6 | 0.3 | 0.4 | 1.1 | 1.0 | 100.0 | 91.4 | 0.4 | 3.4 | 3.8 | 99 |
| Adamawa | 10.2 | 41.1 | 1.6 | 4.4 | 0.9 | 33.7 | 0.6 | 7.5 | 100.0 | 53.0 | 4.2 | 0.7 | 4.9 | 264 |
| Akwa Ibom | 15.1 | 23.8 | 1.1 | 52.2 | 1.0 | 1.8 | 4.1 | 0.9 | 100.0 | 40.0 | 2.9 | 1.8 | 4.7 | 228 |
| Anambra | 28.4 | 66.8 | 2.0 | 1.6 | 0.4 | 0.9 | 0.0 | 0.0 | 100.0 | 97.2 | 1.3 | 2.1 | 3.4 | 140 |
| Bauchi | 1.4 | 18.8 | 2.0 | 4.1 | 0.6 | 56.0 | 0.5 | 16.8 | 100.0 | 22.1 | 0.1 | 0.0 | 0.1 | 618 |
| Bayelsa | 7.3 | 28.2 | 2.1 | 51.2 | 0.6 | 8.6 | 1.0 | 1.0 | 100.0 | 37.6 | 0.6 | 2.2 | 2.8 | 73 |
| Benue | 14.7 | 45.7 | 2.3 | 18.2 | 2.9 | 14.8 | 0.3 | 0.9 | 100.0 | 62.8 | 0.9 | 2.4 | 3.3 | 271 |
| Borno | 10.7 | 35.7 | 2.4 | 18.5 | 0.0 | 26.2 | 6.6 | 0.0 | 100.0 | 48.8 | 0.0 | 1.4 | 1.4 | 692 |
| Cross River | 16.2 | 44.2 | 4.2 | 21.8 | 1.9 | 9.5 | 2.2 | 0.0 | 100.0 | 64.6 | 3.3 | 2.2 | 5.5 | 162 |
| Delta | 16.6 | 53.2 | 1.1 | 22.6 | 0.7 | 2.4 | 0.4 | 3.0 | 100.0 | 70.9 | 1.0 | 2.7 | 3.7 | 173 |
| Ebonyi | 12.0 | 57.1 | 3.5 | 7.8 | 0.9 | 11.6 | 1.4 | 5.6 | 100.0 | 72.6 | 0.4 | 1.3 | 1.7 | 111 |
| Edo | 34.2 | 56.0 | 2.6 | 2.4 | 0.0 | 3.6 | 1.2 | 0.0 | 100.0 | 92.8 | 2.3 | 3.5 | 5.9 | 101 |
| Ekiti | 24.2 | 47.1 | 7.0 | 7.4 | 0.6 | 5.2 | 5.8 | 2.7 | 100.0 | 78.2 | 2.4 | 2.7 | 5.1 | 54 |
| Enugu | 25.0 | 66.1 | 1.1 | 2.2 | 3.1 | 1.9 | 0.4 | 0.0 | 100.0 | 92.2 | 5.1 | 0.9 | 6.0 | 105 |
| Gombe | 6.9 | 26.2 | 6.1 | 14.2 | 5.5 | 30.5 | 2.4 | 8.2 | 100.0 | 39.1 | 0.6 | 0.5 | 1.1 | 236 |
| Imo | 20.3 | 74.9 | 0.8 | 1.0 | 1.5 | 1.5 | 0.0 | 0.0 | 100.0 | 96.0 | 3.8 | 3.1 | 6.9 | 164 |
| Jigawa | 5.5 | 11.5 | 4.3 | 13.5 | 3.9 | 33.4 | 0.5 | 27.5 | 100.0 | 21.2 | 0.2 | 0.3 | 0.5 | 595 |
| Kaduna | 7.6 | 37.0 | 2.5 | 2.0 | 0.5 | 44.4 | 0.6 | 5.4 | 100.0 | 47.1 | 1.6 | 2.7 | 4.3 | 663 |
| Kano | 6.2 | 12.4 | 1.2 | 23.5 | 2.1 | 30.4 | 1.4 | 22.9 | 100.0 | 19.8 | 0.5 | 0.5 | 1.0 | 1,038 |
| Katsina | 6.9 | 12.4 | 1.5 | 27.6 | 0.4 | 25.6 | 3.7 | 21.9 | 100.0 | 20.8 | 0.9 | 2.3 | 3.3 | 916 |
| Kebbi | 2.6 | 9.3 | 6.0 | 21.2 | 1.3 | 20.2 | 0.6 | 38.8 | 100.0 | 17.9 | 0.5 | 2.2 | 2.7 | 398 |
| Kogi | 28.6 | 44.7 | 5.1 | 2.4 | 1.5 | 12.5 | 5.2 | 0.0 | 100.0 | 78.4 | 1.6 | 1.8 | 3.4 | 133 |
| Kwara | 24.6 | 31.3 | 7.4 | 20.2 | 0.6 | 6.8 | 0.4 | 8.9 | 100.0 | 63.2 | 0.0 | 1.2 | 1.2 | 115 |
| Lagos | 42.6 | 42.4 | 1.9 | 6.9 | 0.4 | 1.9 | 2.3 | 1.6 | 100.0 | 86.9 | 4.6 | 5.2 | 9.9 | 429 |

Table RH.10: Assistance during delivery and caesarian section (continued)

Percent distribution of women age 15-49 years with a live birth in the last two years by person providing assistance at delivery, and percentage of births delivered by C-section, Nigeria, 2016-17

| | Person assisting at delivery | | | | | | | | Percent delivered by C-section | | | | | Number of women who had a live birth in the last two years |
|--------------|------------------------------|---------------|-------------------|-----------------------------|-------------------------|------------------|-------|--------------|--------------------------------|---|--------------------------------------|-------------------------------------|--------------------|--|
| | Medical doctor | Nurse/Midwife | Auxiliary midwife | Traditional birth attendant | Community health worker | Relative /Friend | Other | No attendant | Total | Delivery assisted by any skilled attendant ^{1,a} | Decided before onset of labour pains | Decided after onset of labour pains | Total ² | |
| State | | | | | | | | | | | | | | |
| Nasarawa | 15.3 | 23.6 | 9.5 | 5.3 | 0.7 | 41.2 | 1.0 | 3.3 | 100.0 | 48.4 | 1.5 | 0.8 | 2.3 | 244 |
| Niger | 7.4 | 22.0 | 4.1 | 14.5 | 4.2 | 31.7 | 6.6 | 9.6 | 100.0 | 33.5 | 0.1 | 0.2 | 0.3 | 527 |
| Ogun | 23.8 | 55.2 | 4.1 | 8.7 | 0.0 | 1.6 | 3.2 | 3.5 | 100.0 | 83.0 | 1.5 | 3.2 | 4.7 | 132 |
| Ondo | 26.9 | 48.6 | 0.9 | 13.9 | 0.0 | 6.8 | 1.0 | 2.0 | 100.0 | 76.4 | 0.5 | 4.3 | 4.7 | 163 |
| Osun | 36.8 | 43.1 | 4.7 | 2.1 | 0.0 | 6.8 | 2.9 | 3.5 | 100.0 | 84.7 | 1.2 | 2.9 | 4.1 | 161 |
| Oyo | 18.1 | 57.5 | 4.2 | 1.4 | 0.6 | 6.7 | 4.9 | 6.5 | 100.0 | 79.8 | 4.5 | 2.4 | 6.8 | 322 |
| Plateau | 17.4 | 29.0 | 0.9 | 3.9 | 0.4 | 38.0 | 8.6 | 1.8 | 100.0 | 47.3 | 1.5 | 2.3 | 3.9 | 392 |
| Rivers | 20.3 | 60.8 | 2.7 | 10.0 | 0.5 | 4.1 | 1.8 | 0.0 | 100.0 | 83.7 | 1.4 | 3.5 | 4.9 | 163 |
| Sokoto | 7.7 | 11.5 | 1.4 | 31.1 | 0.6 | 24.4 | 1.2 | 22.2 | 100.0 | 20.6 | 0.4 | 0.3 | 0.7 | 409 |
| Taraba | 8.5 | 18.7 | 2.4 | 3.2 | 7.6 | 50.8 | 0.7 | 8.1 | 100.0 | 29.6 | 0.4 | 1.9 | 2.3 | 173 |
| Yobe | 3.7 | 9.5 | 0.7 | 37.8 | 1.7 | 40.4 | 0.0 | 6.3 | 100.0 | 13.9 | 0.3 | 0.7 | 1.1 | 410 |
| Zamfara | 6.0 | 7.8 | 2.7 | 19.3 | 0.6 | 35.2 | 0.7 | 27.8 | 100.0 | 16.4 | 0.4 | 0.4 | 0.8 | 583 |
| FCT Abuja | 15.0 | 52.4 | 3.2 | 4.4 | 1.3 | 20.3 | 2.3 | 1.1 | 100.0 | 70.6 | 2.2 | 1.9 | 4.1 | 89 |

¹ MICS indicator 5.7; MDG indicator 5.2 - Skilled attendant at delivery² MICS indicator 5.9 - Caesarean section^a Skilled attendants include Medical doctor and Nurse/Midwife.

Place of Delivery

Table RH.11: Place of delivery

Percent distribution of women age 15-49 years with a live birth in the last two years by place of delivery of their last birth, Nigeria, 2016-17

| | Place of delivery | | | | | Total | Delivered in health facility ¹ | Number of women with a live birth in the last two years |
|--|-------------------|----------------|-------------|------------|--------------------|--------------|---|---|
| | Health facility | | Home | Other | Missing/Don't know | | | |
| | Public sector | Private sector | | | | | | |
| Total | 24.4 | 13.1 | 60.2 | 2.2 | 0.1 | 100.0 | 37.5 | 11,547 |
| Geopolitical zone | | | | | | | | |
| North Central | 30.3 | 14.1 | 51.1 | 4.5 | 0.0 | 100.0 | 44.4 | 1,770 |
| North East | 24.3 | 1.5 | 73.7 | 0.3 | 0.2 | 100.0 | 25.8 | 2,394 |
| North West | 15.4 | 2.4 | 82.0 | 0.1 | 0.1 | 100.0 | 17.8 | 4,603 |
| South East | 34.1 | 53.5 | 11.6 | 0.5 | 0.3 | 100.0 | 87.5 | 620 |
| South South | 38.1 | 28.7 | 29.4 | 3.9 | 0.0 | 100.0 | 66.8 | 900 |
| South West | 34.9 | 41.8 | 13.8 | 9.6 | 0.0 | 100.0 | 76.6 | 1,261 |
| Residence | | | | | | | | |
| Urban | 37.3 | 23.7 | 35.3 | 3.7 | 0.1 | 100.0 | 61.0 | 3,426 |
| Rural | 19.0 | 8.6 | 70.7 | 1.5 | 0.1 | 100.0 | 27.6 | 8,121 |
| Mother's age at birth (years) | | | | | | | | |
| Less than 20 | 19.1 | 6.1 | 73.0 | 1.8 | 0.0 | 100.0 | 25.2 | 1,516 |
| 20-34 | 25.4 | 14.2 | 58.2 | 2.1 | 0.1 | 100.0 | 39.6 | 7,969 |
| Missing | 24.6 | 14.0 | 58.7 | 2.6 | 0.2 | 100.0 | 38.6 | 2,062 |
| Number of antenatal care visits | | | | | | | | |
| None | 4.7 | 1.7 | 91.3 | 1.9 | 0.4 | 100.0 | 6.4 | 3,653 |
| 1-3 visits | 24.7 | 9.5 | 64.5 | 1.2 | 0.0 | 100.0 | 34.3 | 2,094 |
| 4+ visits | 37.0 | 21.7 | 38.8 | 2.6 | 0.0 | 100.0 | 58.7 | 5,670 |
| Missing/Don't know | 28.9 | 14.6 | 51.8 | 4.7 | 0.0 | 100.0 | 43.5 | 130 |
| Education | | | | | | | | |
| None | 13.9 | 3.2 | 81.4 | 1.4 | 0.2 | 100.0 | 17.1 | 3,208 |
| Non-formal | 8.8 | 0.6 | 90.1 | 0.4 | 0.1 | 100.0 | 9.4 | 2,560 |
| Primary | 27.9 | 11.2 | 58.0 | 2.9 | 0.0 | 100.0 | 39.1 | 1,716 |
| Secondary | 38.0 | 27.4 | 30.5 | 4.0 | 0.1 | 100.0 | 65.3 | 3,182 |
| Higher | 52.7 | 37.4 | 8.0 | 1.8 | 0.1 | 100.0 | 90.1 | 882 |
| Wealth index quintile | | | | | | | | |
| Poorest | 8.3 | 1.4 | 89.3 | 0.8 | 0.2 | 100.0 | 9.7 | 2,587 |
| Second | 15.4 | 4.4 | 78.6 | 1.4 | 0.1 | 100.0 | 19.8 | 2,548 |
| Middle | 25.7 | 9.1 | 63.4 | 1.7 | 0.1 | 100.0 | 34.9 | 2,270 |
| Fourth | 36.6 | 20.0 | 40.7 | 2.7 | 0.0 | 100.0 | 56.6 | 2,113 |
| Richest | 42.4 | 36.1 | 16.7 | 4.8 | 0.1 | 100.0 | 78.4 | 2,028 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 16.7 | 2.1 | 80.6 | 0.5 | 0.1 | 100.0 | 18.8 | 6,543 |
| Igbo | 36.0 | 49.6 | 12.8 | 1.4 | 0.2 | 100.0 | 85.6 | 923 |
| Yoruba | 38.0 | 38.4 | 13.9 | 9.6 | 0.0 | 100.0 | 76.5 | 1,096 |
| Other ethnic group | 32.9 | 16.5 | 47.2 | 3.3 | 0.2 | 100.0 | 49.3 | 2,985 |

¹ MICS indicator 5.8 - Institutional deliveries

Table RH.11: Place of delivery (continued)

Percent distribution of women age 15-49 years with a live birth in the last two years by place of delivery of their last birth, Nigeria, 2016-17

| | Place of delivery | | | | | Total | Delivered in health facility ¹ | Number of women with a live birth in the last two years |
|--------------|-------------------|----------------|-------------|------------|---------------------|--------------|---|---|
| | Health facility | | Home | Other | Missing/ Don't know | | | |
| | Public sector | Private sector | | | | | | |
| Total | 24.4 | 13.1 | 60.2 | 2.2 | 0.1 | 100.0 | 37.5 | 11,547 |
| State | | | | | | | | |
| Abia | 38.1 | 51.1 | 7.6 | 2.2 | 1.0 | 100.0 | 89.2 | 99 |
| Adamawa | 37.9 | 3.6 | 57.9 | 0.6 | 0.0 | 100.0 | 41.5 | 264 |
| Akwa Ibom | 26.6 | 35.6 | 31.9 | 5.9 | 0.0 | 100.0 | 62.2 | 228 |
| Anambra | 28.6 | 67.9 | 3.2 | 0.4 | 0.0 | 100.0 | 96.5 | 140 |
| Bauchi | 16.7 | 0.5 | 82.5 | 0.4 | 0.0 | 100.0 | 17.1 | 618 |
| Bayelsa | 20.0 | 12.5 | 57.7 | 9.8 | 0.0 | 100.0 | 32.4 | 73 |
| Benue | 29.5 | 32.1 | 35.0 | 3.4 | 0.0 | 100.0 | 61.6 | 271 |
| Borno | 35.6 | 1.6 | 62.5 | 0.4 | 0.0 | 100.0 | 37.1 | 692 |
| Cross River | 50.0 | 6.6 | 41.7 | 1.7 | 0.0 | 100.0 | 56.6 | 162 |
| Delta | 39.5 | 29.8 | 27.9 | 2.8 | 0.0 | 100.0 | 69.3 | 173 |
| Ebonyi | 56.4 | 12.2 | 31.1 | 0.0 | 0.3 | 100.0 | 68.6 | 111 |
| Edo | 56.7 | 35.8 | 6.9 | 0.6 | 0.0 | 100.0 | 92.5 | 101 |
| Ekiti | 57.2 | 23.1 | 12.1 | 6.7 | 1.0 | 100.0 | 80.3 | 54 |
| Enugu | 41.5 | 44.7 | 12.6 | 0.7 | 0.4 | 100.0 | 86.2 | 105 |
| Gombe | 27.3 | 2.0 | 68.4 | 0.0 | 2.3 | 100.0 | 29.3 | 236 |
| Imo | 16.4 | 76.0 | 7.6 | 0.0 | 0.0 | 100.0 | 92.4 | 164 |
| Jigawa | 16.1 | 0.9 | 82.9 | 0.0 | 0.1 | 100.0 | 16.9 | 595 |
| Kaduna | 28.0 | 7.4 | 64.6 | 0.0 | 0.0 | 100.0 | 35.4 | 663 |
| Kano | 12.5 | 3.2 | 84.0 | 0.2 | 0.1 | 100.0 | 15.7 | 1,038 |
| Katsina | 16.4 | 1.1 | 82.2 | 0.0 | 0.3 | 100.0 | 17.5 | 916 |
| Kebbi | 11.3 | 0.8 | 87.6 | 0.2 | 0.0 | 100.0 | 12.2 | 398 |
| Kogi | 51.2 | 25.0 | 20.2 | 3.6 | 0.0 | 100.0 | 76.3 | 133 |
| Kwara | 42.0 | 19.6 | 38.0 | 0.5 | 0.0 | 100.0 | 61.6 | 115 |
| Lagos | 25.4 | 54.1 | 7.2 | 13.3 | 0.0 | 100.0 | 79.5 | 429 |
| Nasarawa | 32.8 | 11.9 | 55.1 | 0.2 | 0.0 | 100.0 | 44.7 | 244 |
| Niger | 19.7 | 1.9 | 77.5 | 0.8 | 0.0 | 100.0 | 21.7 | 527 |
| Ogun | 23.3 | 54.5 | 11.8 | 10.4 | 0.0 | 100.0 | 77.8 | 132 |
| Ondo | 62.3 | 11.2 | 22.3 | 4.1 | 0.0 | 100.0 | 73.5 | 163 |
| Osun | 24.8 | 48.6 | 14.5 | 12.1 | 0.0 | 100.0 | 73.4 | 161 |
| Oyo | 39.6 | 35.3 | 18.9 | 6.2 | 0.0 | 100.0 | 74.9 | 322 |
| Plateau | 30.1 | 13.2 | 43.5 | 13.3 | 0.0 | 100.0 | 43.3 | 392 |
| Rivers | 37.4 | 42.6 | 16.4 | 3.6 | 0.0 | 100.0 | 80.0 | 163 |
| Sokoto | 11.7 | 0.6 | 87.7 | 0.0 | 0.0 | 100.0 | 12.3 | 409 |
| Taraba | 18.0 | 4.3 | 77.5 | 0.3 | 0.0 | 100.0 | 22.3 | 173 |
| Yobe | 9.0 | 0.2 | 90.8 | 0.0 | 0.0 | 100.0 | 9.2 | 410 |
| Zamfara | 9.7 | 1.0 | 89.2 | 0.2 | 0.0 | 100.0 | 10.7 | 583 |
| FCT Abuja | 44.1 | 16.9 | 29.3 | 9.6 | 0.0 | 100.0 | 61.0 | 89 |

¹ MICS indicator 5.8 - Institutional deliveries

Post-natal Health Checks

Table RH.12: Post-partum stay in health facility

Percent distribution of women age 15-49 years with a live birth in the last two years who had their last birth delivered in a health facility by duration of stay in health facility, Nigeria, 2016-17

| | Duration of stay in health facility | | | | | | Total | 12 hours or more ¹ | Number of women who had their last birth delivered in a health facility in the last 2 years |
|--------------------------------------|-------------------------------------|-------------|-------------|-------------|----------------|---------------------|--------------|-------------------------------|---|
| | Less than 6 hours | 6-11 hours | 12-23 hours | 1-2 days | 3 days or more | Missing/ Don't know | | | |
| Total | 35.2 | 14.2 | 4.4 | 30.2 | 16.0 | 0.1 | 100.0 | 50.5 | 4,333 |
| Geopolitical zone | | | | | | | | | |
| North Central | 46.9 | 17.1 | 3.5 | 23.8 | 8.5 | 0.1 | 100.0 | 35.9 | 786 |
| North East | 56.2 | 14.2 | 5.1 | 17.0 | 7.4 | 0.1 | 100.0 | 29.5 | 618 |
| North West | 51.3 | 17.1 | 1.1 | 18.7 | 11.8 | 0.0 | 100.0 | 31.7 | 820 |
| South East | 14.4 | 8.5 | 4.1 | 50.2 | 22.6 | 0.2 | 100.0 | 76.9 | 542 |
| South South | 18.2 | 13.8 | 4.3 | 38.2 | 25.5 | 0.0 | 100.0 | 68.0 | 601 |
| South West | 21.0 | 12.9 | 7.5 | 37.2 | 21.4 | 0.0 | 100.0 | 66.1 | 966 |
| Residence | | | | | | | | | |
| Urban | 31.0 | 15.2 | 5.0 | 30.5 | 18.3 | 0.1 | 100.0 | 53.8 | 2,090 |
| Rural | 39.2 | 13.3 | 3.8 | 29.9 | 13.8 | 0.0 | 100.0 | 47.5 | 2,244 |
| Mother's age at birth (years) | | | | | | | | | |
| Less than 20 | 44.7 | 13.7 | 3.1 | 24.1 | 14.4 | 0.0 | 100.0 | 41.6 | 382 |
| 20-34 | 34.2 | 14.4 | 4.4 | 30.9 | 15.9 | 0.1 | 100.0 | 51.3 | 3,156 |
| Missing | 34.6 | 13.6 | 4.6 | 30.2 | 16.9 | 0.1 | 100.0 | 51.7 | 795 |
| Type of health facility | | | | | | | | | |
| Public | 41.8 | 14.9 | 3.9 | 27.6 | 11.7 | 0.1 | 100.0 | 43.2 | 2,823 |
| Private | 23.0 | 12.8 | 5.3 | 35.0 | 23.9 | 0.0 | 100.0 | 64.2 | 1,511 |
| Type of delivery | | | | | | | | | |
| Vaginal birth | 37.1 | 15.2 | 4.7 | 32.4 | 10.6 | 0.1 | 100.0 | 47.7 | 4,009 |
| C-section | 12.4 | 1.9 | 0.4 | 2.2 | 83.2 | 0.0 | 100.0 | 85.7 | 324 |
| Education | | | | | | | | | |
| None | 50.9 | 16.5 | 2.3 | 21.9 | 8.3 | 0.2 | 100.0 | 32.4 | 548 |
| Non-formal | 61.6 | 12.8 | 0.6 | 15.8 | 9.1 | 0.0 | 100.0 | 25.6 | 240 |
| Primary | 38.7 | 13.9 | 4.7 | 30.6 | 11.9 | 0.2 | 100.0 | 47.2 | 671 |
| Secondary | 31.1 | 15.0 | 5.0 | 32.3 | 16.6 | 0.0 | 100.0 | 53.9 | 2,079 |
| Higher | 24.3 | 11.3 | 5.0 | 34.3 | 25.2 | 0.0 | 100.0 | 64.5 | 794 |
| Wealth index quintile | | | | | | | | | |
| Poorest | 55.4 | 10.6 | 1.3 | 21.1 | 11.6 | 0.0 | 100.0 | 34.0 | 250 |
| Second | 46.0 | 17.7 | 3.8 | 22.5 | 10.0 | 0.0 | 100.0 | 36.3 | 506 |
| Middle | 41.8 | 14.5 | 3.6 | 28.0 | 12.2 | 0.0 | 100.0 | 43.7 | 792 |
| Fourth | 35.0 | 14.6 | 4.4 | 30.6 | 15.4 | 0.1 | 100.0 | 50.3 | 1,195 |
| Richest | 25.5 | 13.2 | 5.4 | 34.8 | 20.9 | 0.1 | 100.0 | 61.2 | 1,591 |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 51.3 | 16.8 | 2.8 | 18.7 | 10.3 | 0.2 | 100.0 | 31.8 | 1,233 |
| Igbo | 16.0 | 9.7 | 3.8 | 47.8 | 22.5 | 0.1 | 100.0 | 74.1 | 790 |
| Yoruba | 25.9 | 13.5 | 7.8 | 33.8 | 19.0 | 0.0 | 100.0 | 60.6 | 838 |
| Other ethnic group | 37.4 | 14.8 | 4.0 | 28.3 | 15.5 | 0.0 | 100.0 | 47.8 | 1,472 |

¹ MICS indicator 5.10 - Post-partum stay in health facility

Table RH.12: Post-partum stay in health facility (continued)

Percent distribution of women age 15-49 years with a live birth in the last two years who had their last birth delivered in a health facility by duration of stay in health facility, Nigeria, 2016-17

| | Duration of stay in health facility | | | | | | Total | 12 hours or more ¹ | Number of women who had their last birth delivered in a health facility in the last 2 years |
|--------------|-------------------------------------|-------------|-------------|-------------|----------------|---------------------|--------------|-------------------------------|---|
| | Less than 6 hours | 6-11 hours | 12-23 hours | 1-2 days | 3 days or more | Missing/ Don't know | | | |
| Total | 35.2 | 14.2 | 4.4 | 30.2 | 16.0 | 0.1 | 100.0 | 50.5 | 4,333 |
| State | | | | | | | | | |
| Abia | 11.6 | 13.0 | 6.8 | 54.2 | 14.3 | 0.0 | 100.0 | 75.4 | 88 |
| Adamawa | 58.9 | 11.1 | 2.4 | 24.2 | 3.4 | 0.0 | 100.0 | 30.0 | 109 |
| Akwa Ibom | 13.8 | 7.4 | 2.2 | 30.4 | 46.2 | 0.0 | 100.0 | 78.9 | 142 |
| Anambra | 17.8 | 8.8 | 7.7 | 48.8 | 16.3 | 0.6 | 100.0 | 72.8 | 135 |
| Bauchi | 68.1 | 18.1 | 1.8 | 8.4 | 3.6 | 0.0 | 100.0 | 13.8 | 106 |
| Bayelsa | 24.6 | 21.2 | 16.7 | 19.8 | 17.7 | 0.0 | 100.0 | 54.2 | 24 |
| Benue | 39.0 | 25.9 | 5.2 | 22.3 | 7.6 | 0.0 | 100.0 | 35.1 | 167 |
| Borno | 49.1 | 16.7 | 9.4 | 15.8 | 9.0 | 0.0 | 100.0 | 34.2 | 257 |
| Cross River | 10.3 | 11.5 | 5.4 | 52.2 | 20.6 | 0.0 | 100.0 | 78.2 | 92 |
| Delta | 19.7 | 17.4 | 4.8 | 39.1 | 19.0 | 0.0 | 100.0 | 62.9 | 120 |
| Ebonyi | 26.8 | 6.2 | 3.6 | 41.7 | 21.7 | 0.0 | 100.0 | 67.0 | 76 |
| Edo | 31.9 | 14.1 | 0.7 | 34.2 | 19.1 | 0.0 | 100.0 | 54.0 | 93 |
| Ekiti | 17.1 | 12.4 | 8.5 | 43.1 | 19.0 | 0.0 | 100.0 | 70.5 | 43 |
| Enugu | 11.5 | 13.4 | 0.8 | 55.5 | 18.7 | 0.0 | 100.0 | 75.1 | 91 |
| Gombe | 60.2 | 11.4 | 3.7 | 16.8 | 6.6 | 1.3 | 100.0 | 27.1 | 69 |
| Imo | 8.5 | 4.0 | 1.6 | 50.1 | 35.8 | 0.0 | 100.0 | 87.5 | 152 |
| Jigawa | 53.7 | 20.5 | 0.0 | 20.5 | 5.3 | 0.0 | 100.0 | 25.8 | 101 |
| Kaduna | 46.7 | 12.9 | 0.9 | 26.5 | 12.9 | 0.0 | 100.0 | 40.3 | 235 |
| Kano | 54.8 | 18.4 | 1.4 | 15.0 | 10.4 | 0.0 | 100.0 | 26.7 | 163 |
| Katsina | 54.5 | 17.5 | 0.0 | 13.0 | 15.0 | 0.0 | 100.0 | 28.0 | 160 |
| Kebbi | 57.0 | 9.3 | 1.3 | 16.7 | 15.7 | 0.0 | 100.0 | 33.7 | 48 |
| Kogi | 45.2 | 15.6 | 1.2 | 27.0 | 10.1 | 1.0 | 100.0 | 38.3 | 102 |
| Kwara | 32.5 | 19.8 | 3.8 | 36.3 | 7.6 | 0.0 | 100.0 | 47.7 | 71 |
| Lagos | 13.3 | 10.4 | 3.0 | 44.1 | 29.2 | 0.0 | 100.0 | 76.3 | 341 |
| Nasarawa | 51.3 | 19.9 | 1.8 | 17.3 | 9.6 | 0.0 | 100.0 | 28.8 | 109 |
| Niger | 70.5 | 12.9 | 1.4 | 13.0 | 2.2 | 0.0 | 100.0 | 16.6 | 114 |
| Ogun | 6.3 | 8.8 | 10.2 | 43.2 | 31.6 | 0.0 | 100.0 | 85.0 | 103 |
| Ondo | 43.2 | 12.3 | 8.6 | 28.0 | 7.9 | 0.0 | 100.0 | 44.5 | 120 |
| Osun | 24.1 | 14.6 | 9.5 | 39.7 | 12.1 | 0.0 | 100.0 | 61.4 | 118 |
| Oyo | 26.3 | 17.6 | 10.9 | 27.4 | 17.8 | 0.0 | 100.0 | 56.1 | 241 |
| Plateau | 47.9 | 7.9 | 5.4 | 27.6 | 11.2 | 0.0 | 100.0 | 44.2 | 170 |
| Rivers | 16.3 | 17.6 | 5.7 | 42.3 | 18.2 | 0.0 | 100.0 | 66.1 | 131 |
| Sokoto | 51.0 | 10.6 | 4.0 | 21.5 | 12.9 | 0.0 | 100.0 | 38.3 | 50 |
| Taraba | 51.9 | 14.2 | 0.8 | 21.3 | 11.8 | 0.0 | 100.0 | 33.9 | 38 |
| Yobe | (60.7) | (0.0) | (0.0) | (24.5) | (14.8) | (0.0) | 100.0 | (39.3) | 38 |
| Zamfara | 42.5 | 33.6 | 3.4 | 10.1 | 10.4 | 0.0 | 100.0 | 23.9 | 62 |
| FCT Abuja | 31.4 | 21.5 | 4.3 | 30.5 | 12.3 | 0.0 | 100.0 | 47.1 | 54 |

¹ MICS indicator 5.10 - Post-partum stay in health facility

() Sample data are based on 25-49 unweighted cases

Post-natal Health Checks

Table RH.13: Post-natal health checks for newborns

Percentage of women age 15-49 years with a live birth in the last two years whose last live birth received health checks while in facility or at home following birth, percent distribution whose last live birth received post-natal care (PNC) visits from any health provider after birth, by timing of visit, and percentage who received post natal health checks, Nigeria, 2016 -17

| | Health check following birth while in facility or at home ^a | PNC visit for newborns ^b | | | | | | | Missing /Don't know | Total | Post-natal health check for the newborn ^{1,c} | Number of last live births in the last two years |
|--------------------------------------|--|-------------------------------------|-----------------------|------------------------|--------------------------|--------------------------------------|--------------------------|------------|---------------------|-------------|--|--|
| | | Same day | 1 day following birth | 2 days following birth | 3-6 days following birth | After the first week following birth | No post-natal care visit | | | | | |
| Total | 32.8 | 8.0 | 1.5 | 2.0 | 2.4 | 3.1 | 82.9 | 0.1 | 100.0 | 37.1 | 11,547 | |
| Geopolitical zone | | | | | | | | | | | | |
| North Central | 41.7 | 9.6 | 2.5 | 3.1 | 1.8 | 1.6 | 81.3 | 0.2 | 100.0 | 46.6 | 1,770 | |
| North East | 21.9 | 6.7 | 0.7 | 0.8 | 0.7 | 3.2 | 87.8 | 0.1 | 100.0 | 24.5 | 2,394 | |
| North West | 14.6 | 6.5 | 0.9 | 1.0 | 1.4 | 1.7 | 88.4 | 0.1 | 100.0 | 19.0 | 4,603 | |
| South East | 64.5 | 6.8 | 2.8 | 3.2 | 3.5 | 4.2 | 79.6 | 0.0 | 100.0 | 66.1 | 620 | |
| South South | 61.4 | 12.9 | 3.0 | 4.3 | 7.4 | 11.6 | 60.7 | 0.2 | 100.0 | 69.1 | 900 | |
| South West | 71.3 | 10.5 | 2.7 | 4.0 | 6.1 | 3.3 | 73.4 | 0.0 | 100.0 | 76.1 | 1,261 | |
| Residence | | | | | | | | | | | | |
| Urban | 54.0 | 11.2 | 1.6 | 3.1 | 3.7 | 4.3 | 76.0 | 0.1 | 100.0 | 58.9 | 3,426 | |
| Rural | 23.8 | 6.6 | 1.5 | 1.5 | 1.9 | 2.6 | 85.8 | 0.1 | 100.0 | 27.8 | 8,121 | |
| Mother's age at birth (years) | | | | | | | | | | | | |
| Less than 20 | 21.7 | 6.6 | 1.4 | 1.4 | 2.0 | 3.1 | 85.6 | 0.0 | 100.0 | 25.9 | 1,516 | |
| 20-34 | 34.9 | 8.0 | 1.6 | 2.1 | 2.4 | 3.4 | 82.3 | 0.1 | 100.0 | 39.3 | 7,969 | |
| Missing | 32.8 | 8.7 | 1.2 | 1.9 | 2.8 | 1.9 | 83.3 | 0.2 | 100.0 | 36.6 | 2,062 | |
| Place of delivery | | | | | | | | | | | | |
| Home | 4.5 | 5.0 | 0.9 | 1.2 | 1.4 | 2.0 | 89.4 | 0.0 | 100.0 | 10.5 | 6,952 | |
| Health facility | 78.9 | 12.4 | 2.5 | 3.1 | 3.8 | 4.8 | 73.1 | 0.3 | 100.0 | 79.8 | 4,333 | |
| Public | 78.2 | 14.1 | 2.4 | 2.6 | 2.9 | 4.3 | 73.5 | 0.2 | 100.0 | 79.2 | 2,823 | |
| Private | 80.1 | 9.4 | 2.6 | 3.8 | 5.6 | 5.8 | 72.5 | 0.4 | 100.0 | 81.0 | 1,511 | |
| Other/Missing/Don't know | 20.2 | 11.9 | 2.9 | 3.3 | 6.3 | 3.0 | 72.6 | 0.0 | 100.0 | 35.5 | 262 | |
| Education | | | | | | | | | | | | |
| None | 15.0 | 4.4 | 0.9 | 0.8 | 1.1 | 1.8 | 90.8 | 0.2 | 100.0 | 17.6 | 3,208 | |
| Non-formal | 9.1 | 7.9 | 0.5 | 0.7 | 1.1 | 1.6 | 88.1 | 0.0 | 100.0 | 15.2 | 2,560 | |
| Primary | 34.5 | 7.6 | 1.6 | 2.2 | 2.8 | 3.2 | 82.6 | 0.0 | 100.0 | 39.3 | 1,716 | |
| Secondary | 55.2 | 10.3 | 2.9 | 3.4 | 4.0 | 4.8 | 74.4 | 0.2 | 100.0 | 60.0 | 3,182 | |
| Higher | 81.9 | 13.2 | 1.9 | 4.0 | 4.8 | 5.4 | 70.5 | 0.2 | 100.0 | 84.1 | 882 | |
| Wealth index quintile | | | | | | | | | | | | |
| Poorest | 7.4 | 3.8 | 0.6 | 0.5 | 0.9 | 1.6 | 92.5 | 0.0 | 100.0 | 10.6 | 2,587 | |
| Second | 17.0 | 6.3 | 1.4 | 1.0 | 1.4 | 1.6 | 88.2 | 0.1 | 100.0 | 21.4 | 2,548 | |
| Middle | 30.5 | 8.2 | 1.8 | 2.4 | 2.4 | 3.0 | 82.1 | 0.2 | 100.0 | 35.8 | 2,270 | |
| Fourth | 48.4 | 11.5 | 1.9 | 2.4 | 3.5 | 4.5 | 75.9 | 0.2 | 100.0 | 53.6 | 2,113 | |
| Richest | 71.3 | 11.4 | 2.3 | 4.0 | 4.5 | 5.4 | 72.3 | 0.1 | 100.0 | 74.7 | 2,028 | |
| Ethnicity of household head | | | | | | | | | | | | |
| Hausa | 16.1 | 6.4 | 0.9 | 1.1 | 1.4 | 2.0 | 88.1 | 0.1 | 100.0 | 20.2 | 6,543 | |
| Igbo | 67.5 | 8.0 | 2.5 | 2.8 | 3.3 | 4.5 | 78.9 | 0.1 | 100.0 | 69.5 | 923 | |
| Yoruba | 70.1 | 11.4 | 2.8 | 3.6 | 6.7 | 3.1 | 72.4 | 0.0 | 100.0 | 75.8 | 1,096 | |
| Other ethnic group | 44.9 | 10.2 | 2.2 | 2.9 | 2.9 | 5 | 76.6 | 0.2 | 100 | 49.7 | 2,985 | |

^a Health checks by any health provider following facility births (before discharge from facility) or following home births (before departure of provider from home).

^b Post-natal care visits (PNC) refer to a separate visit by any health provider to check on the health of the newborn and provide preventive care services. PNC visits do not include health checks following birth while in facility or at home (see note ^a above).

^c Post-natal health checks include any health check performed while in the health facility or at home following birth (see note ^a above), as well as PNC visits (see note ^b above) within two days of delivery.

Table RH.13: Post-natal health checks for newborns (continued)

Percentage of women age 15-49 years with a live birth in the last two years whose last live birth received health checks while in facility or at home following birth, percent distribution whose last live birth received post-natal care (PNC) visits from any health provider after birth, by timing of visit, and percentage who received post natal health checks, Nigeria, 2016 -17

| | Health check following birth while in facility or at home ^a | PNC visit for newborns ^b | | | | | | | Total | Post-natal health check for the newborn ^{1, c} | Number of last live births in the last two years |
|---------------|--|-------------------------------------|-----------------------|------------------------|--------------------------|--------------------------------------|--------------------------|---------------------|--------------|---|--|
| | | Same day | 1 day following birth | 2 days following birth | 3-6 days following birth | After the first week following birth | No post-natal care visit | Missing /Don't know | | | |
| Total | 32.8 | 8.0 | 1.5 | 2.0 | 2.4 | 3.1 | 82.9 | 0.1 | 100.0 | 37.1 | 11,547 |
| States | | | | | | | | | | | |
| Abia | 61.5 | 3.1 | 4.3 | 3.9 | 7.8 | 3.0 | 77.9 | 0.0 | 100.0 | 63.0 | 99 |
| Adamawa | 36.8 | 12.6 | 1.6 | 0.9 | 1.4 | 4.3 | 79.1 | 0.0 | 100.0 | 38.5 | 264 |
| Akwa Ibom | 56.2 | 12.1 | 2.2 | 2.6 | 11.6 | 23.9 | 47.6 | 0.0 | 100.0 | 64.9 | 228 |
| Anambra | 76.2 | 8.7 | 0.5 | 1.5 | 0.0 | 3.3 | 86.0 | 0.0 | 100.0 | 76.5 | 140 |
| Bauchi | 14.1 | 3.1 | 0.1 | 0.6 | 0.3 | 0.6 | 95.1 | 0.1 | 100.0 | 15.8 | 618 |
| Bayelsa | 29.4 | 14.8 | 7.8 | 2.4 | 4.6 | 1.5 | 69.0 | 0.0 | 100.0 | 48.8 | 73 |
| Benue | 52.6 | 5.4 | 2.5 | 1.3 | 2.0 | 1.1 | 87.6 | 0.0 | 100.0 | 53.9 | 271 |
| Borno | 31.9 | 9.7 | 0.3 | 0.3 | 0.0 | 4.5 | 85.1 | 0.0 | 100.0 | 35.4 | 692 |
| Cross River | 60.8 | 8.0 | 5.5 | 12.5 | 12.0 | 13.5 | 48.6 | 0.0 | 100.0 | 69.3 | 162 |
| Delta | 58.2 | 21.1 | 1.0 | 4.7 | 2.7 | 5.0 | 65.1 | 0.3 | 100.0 | 67.3 | 173 |
| Ebonyi | 49.6 | 13.7 | 3.0 | 2.2 | 5.6 | 3.3 | 72.2 | 0.0 | 100.0 | 53.7 | 111 |
| Edo | 81.2 | 12.6 | 1.7 | 2.3 | 7.7 | 8.7 | 66.5 | 0.5 | 100.0 | 83.2 | 101 |
| Ekiti | 62.5 | 6.8 | 3.1 | 6.3 | 4.6 | 0.7 | 78.5 | 0.0 | 100.0 | 65.2 | 54 |
| Enugu | 72.3 | 6.9 | 2.8 | 4.2 | 1.0 | 10.5 | 74.7 | 0.0 | 100.0 | 73.2 | 105 |
| Gombe | 21.8 | 7.1 | 1.1 | 2.6 | 3.4 | 2.4 | 82.9 | 0.5 | 100.0 | 24.1 | 236 |
| Imo | 61.3 | 2.6 | 3.9 | 4.4 | 3.9 | 2.0 | 83.2 | 0.0 | 100.0 | 62.7 | 164 |
| Jigawa | 14.9 | 3.2 | 0.6 | 0.6 | 2.8 | 0.2 | 92.6 | 0.0 | 100.0 | 17.1 | 595 |
| Kaduna | 33.4 | 9.0 | 1.4 | 1.2 | 0.5 | 1.0 | 86.8 | 0.0 | 100.0 | 36.9 | 663 |
| Kano | 11.7 | 6.7 | 1.0 | 1.8 | 1.6 | 2.2 | 86.6 | 0.1 | 100.0 | 17.5 | 1,038 |
| Katsina | 13.4 | 4.4 | 1.2 | 0.3 | 1.6 | 2.0 | 90.3 | 0.2 | 100.0 | 14.7 | 916 |
| Kebbi | 8.4 | 4.5 | 0.5 | 1.1 | 1.4 | 1.4 | 90.3 | 0.8 | 100.0 | 11.7 | 398 |
| Kogi | 65.0 | 17.1 | 1.7 | 2.5 | 0.5 | 2.1 | 73.5 | 2.7 | 100.0 | 68.0 | 133 |
| Kwara | 58.6 | 11.2 | 3.2 | 2.8 | 3.3 | 3.6 | 75.8 | 0.0 | 100.0 | 65.9 | 115 |
| Lagos | 79.4 | 10.4 | 3.4 | 3.4 | 8.3 | 5.8 | 68.7 | 0.0 | 100.0 | 85.9 | 429 |
| Nasarawa | 38.4 | 7.6 | 2.5 | 2.1 | 1.8 | 1.6 | 84.4 | 0.0 | 100.0 | 42.2 | 244 |
| Niger | 28.1 | 11.3 | 1.1 | 4.1 | 1.3 | 1.3 | 80.9 | 0.0 | 100.0 | 36.8 | 527 |
| Ogun | 73.3 | 11.1 | 2.3 | 2.3 | 2.9 | 2.8 | 78.5 | 0.0 | 100.0 | 76.5 | 132 |
| Ondo | 67.8 | 8.6 | 2.8 | 6.9 | 8.1 | 4.3 | 69.0 | 0.3 | 100.0 | 73.5 | 163 |
| Osun | 65.6 | 7.7 | 2.1 | 3.1 | 9.0 | 1.8 | 76.3 | 0.0 | 100.0 | 70.2 | 161 |
| Oyo | 65.7 | 13.5 | 1.9 | 4.0 | 2.3 | 1.0 | 77.4 | 0.0 | 100.0 | 68.8 | 322 |
| Plateau | 37.6 | 9.6 | 4.3 | 3.8 | 2.3 | 1.8 | 78.3 | 0.0 | 100.0 | 41.0 | 392 |
| Rivers | 74.7 | 9.5 | 2.3 | 0.4 | 2.9 | 5.7 | 78.9 | 0.3 | 100.0 | 77.1 | 163 |
| Sokoto | 8.1 | 3.2 | 0.0 | 0.3 | 0.8 | 2.2 | 93.4 | 0.0 | 100.0 | 10.1 | 409 |
| Taraba | 18.8 | 4.1 | 2.7 | 1.1 | 0.3 | 0.4 | 91.4 | 0.0 | 100.0 | 20.8 | 173 |
| Yobe | 8.3 | 4.1 | 0.3 | 0.7 | 0.7 | 5.8 | 88.4 | 0.0 | 100.0 | 12.1 | 410 |
| Zamfara | 8.8 | 13.7 | 0.6 | 1.0 | 0.9 | 2.5 | 81.3 | 0.0 | 100.0 | 21.7 | 583 |
| FCT Abuja | 59.4 | 4.3 | 2.2 | 2.9 | 1.6 | 0.9 | 88.1 | 0.0 | 100.0 | 62.9 | 89 |

^a Health checks by any health provider following facility births (before discharge from facility) or following home births (before departure of provider from home).

^b Post-natal care visits (PNC) refer to a separate visit by any health provider to check on the health of the newborn and provide preventive care services. PNC visits do not include health checks following birth while in facility or at home (see note ^a above).

^c Post-natal health checks include any health check performed while in the health facility or at home following birth (see note ^a above), as well as PNC visits (see note ^b above) within two days of delivery.

Table RH.14: Post-natal care visits for newborns within one week of birth

Percent distribution of women age 15-49 years with a live birth in the last two years whose last live birth received a post-natal care (PNC) visit within one week of birth, by location and provider of the first PNC visit, Nigeria, 2016 -17

| | Location of first PNC visit for newborns | | | | Provider of first PNC visit for newborns | | | | | Number of last live births in the last two years with a PNC visit within the first week of life | |
|--------------------------------------|--|---------------|----------------|----------------|--|-----------------------|-------------------|-------------------------|-----------------------------|---|--------------|
| | Home | Public Sector | Private sector | Other location | Total | Doctor/nurse/ midwife | Auxiliary midwife | Community health worker | Traditional birth attendant | | Total |
| Total | 41.7 | 41.8 | 15.3 | 1.2 | 100.0 | 69.5 | 6.2 | 3.9 | 20.5 | 100.0 | 1,603 |
| Geopolitical zone | | | | | | | | | | | |
| North Central | 41.7 | 40.7 | 17.4 | 0.1 | 100.0 | 69.1 | 8.0 | 3.4 | 19.5 | 100.0 | 299 |
| North East | 34.8 | 61.3 | 3.6 | 0.3 | 100.0 | 72.2 | 8.2 | 4.0 | 15.7 | 100.0 | 212 |
| North West | 47.9 | 46.1 | 5.8 | 0.1 | 100.0 | 56.8 | 7.6 | 6.5 | 29.2 | 100.0 | 450 |
| South East | 28.8 | 30.8 | 40.4 | 0.0 | 100.0 | 88.9 | 3.6 | 2.5 | 5.1 | 100.0 | 101 |
| South South | 43.9 | 41.6 | 13.8 | 0.7 | 100.0 | 64.9 | 2.4 | 3.7 | 28.9 | 100.0 | 248 |
| South West | 39.8 | 25.9 | 28.7 | 5.6 | 100.0 | 84.5 | 4.9 | 0.8 | 9.8 | 100.0 | 293 |
| Residence | | | | | | | | | | | |
| Urban | 33.2 | 43.9 | 21.0 | 1.9 | 100.0 | 81.0 | 4.3 | 2.1 | 12.6 | 100.0 | 670 |
| Rural | 47.9 | 40.2 | 11.2 | 0.7 | 100.0 | 61.1 | 7.5 | 5.1 | 26.2 | 100.0 | 933 |
| Mother's age at birth (years) | | | | | | | | | | | |
| Less than 20 | 53.8 | 39.9 | 5.6 | 0.7 | 100.0 | 60.6 | 5.9 | 2.7 | 30.8 | 100.0 | 173 |
| 20-34 | 40.4 | 42.4 | 16.2 | 1.0 | 100.0 | 68.7 | 7.1 | 4.0 | 20.1 | 100.0 | 1,129 |
| 35-49 | 39.6 | 40.4 | 17.6 | 2.5 | 100.0 | 77.4 | 3.0 | 3.8 | 15.8 | 100.0 | 302 |
| Place of delivery | | | | | | | | | | | |
| Home | 77.1 | 20.6 | 2.1 | 0.1 | 100.0 | 37.0 | 8.6 | 7.1 | 47.3 | 100.0 | 595 |
| Health facility | 19.2 | 56.6 | 24.0 | 0.3 | 100.0 | 90.6 | 4.6 | 2.0 | 2.7 | 100.0 | 944 |
| Public | 16.4 | 82.9 | 0.6 | 0.1 | 100.0 | 90.7 | 5.4 | 2.5 | 1.4 | 100.0 | 621 |
| Private | 24.4 | 5.9 | 69.1 | 0.6 | 100.0 | 90.6 | 3.1 | 1.2 | 5.1 | 100.0 | 322 |
| Other/Missing/Don't know | 45.1 | 19.6 | 9.3 | 26.1 | 100.0 | 59.0 | 6.7 | 0.5 | 33.7 | 100.0 | 64 |
| Education | | | | | | | | | | | |
| None | 41.9 | 48.3 | 9.0 | 0.7 | 100.0 | 64.3 | 8.1 | 6.9 | 20.7 | 100.0 | 232 |
| Non-formal | 72.0 | 27.5 | 0.6 | 0.0 | 100.0 | 38.6 | 7.7 | 5.8 | 47.9 | 100.0 | 263 |
| Primary | 43.6 | 41.4 | 13.9 | 1.1 | 100.0 | 59.7 | 7.8 | 3.6 | 28.9 | 100.0 | 243 |
| Secondary | 35.8 | 42.0 | 20.2 | 2.1 | 100.0 | 80.1 | 5.4 | 2.8 | 11.7 | 100.0 | 655 |
| Higher | 19.9 | 52.3 | 27.0 | 0.8 | 100.0 | 91.8 | 2.8 | 1.7 | 3.6 | 100.0 | 210 |
| Wealth Index quintile | | | | | | | | | | | |
| Poorest | 60.7 | 35.6 | 3.7 | 0.0 | 100.0 | 37.9 | 9.8 | 8.5 | 43.8 | 100.0 | 150 |
| Second | 50.1 | 38.7 | 10.7 | 0.4 | 100.0 | 52.2 | 8.7 | 6.9 | 32.3 | 100.0 | 258 |
| Middle | 50.7 | 41.2 | 7.1 | 1.0 | 100.0 | 63.5 | 7.3 | 4.0 | 25.2 | 100.0 | 335 |
| Fourth | 39.3 | 45.4 | 14.7 | 0.7 | 100.0 | 75.9 | 5.2 | 2.7 | 16.1 | 100.0 | 409 |
| Richest | 26.1 | 42.7 | 28.4 | 2.8 | 100.0 | 88.5 | 3.6 | 1.5 | 6.5 | 100.0 | 451 |
| Ethnicity of household head | | | | | | | | | | | |
| Hausa | 48.0 | 47.1 | 4.8 | 0.1 | 100.0 | 58.6 | 8.6 | 5.4 | 27.5 | 100.0 | 641 |
| Igbo | 27.7 | 32.1 | 39.9 | 0.2 | 100.0 | 88.9 | 3.2 | 1.6 | 6.3 | 100.0 | 153 |
| Yoruba | 40.1 | 27.6 | 27.0 | 5.2 | 100.0 | 82.2 | 4.7 | 1.2 | 11.8 | 100.0 | 268 |
| Other ethnic group | 39.1 | 45.1 | 14.9 | 0.9 | 100.0 | 70.6 | 5.0 | 4.0 | 20.5 | 100.0 | 542 |

*Sample size by State is too small to give meaningful results

Table RH.14A: Thermal care for newborns

Percentage of last-born children in the last 2 years who were dried after birth, percentage who were given skin to skin contact and percent distribution of timing of first bath, Nigeria, 2016 -17

| | Percentage of children who were: | | Timing of first bath | | | | Total | Number of last-born children in the last two years |
|------------------------------------|--|---|-------------------------------|------------------------|---|----------------------------|-------|--|
| | Dried (wiped) after birth ¹ | Given skin-to-skin contact with mother ² | Less than 6 hours after birth | 6-23 hours after birth | More than 24 hours after birth ³ | Don't know /Don't remember | | |
| Total | 69.2 | 18.2 | 80.1 | 13.2 | 3.5 | 3.2 | 100.0 | 11547 |
| Geopolitical zone | | | | | | | | |
| North Central | 78.5 | 16.8 | 84.3 | 9.9 | 2.1 | 3.7 | 100.0 | 1770 |
| North East | 60.6 | 20.3 | 84.0 | 11.5 | 1.8 | 2.7 | 100.0 | 2394 |
| North West | 59.8 | 19.9 | 90.0 | 6.3 | 1.3 | 2.5 | 100.0 | 4603 |
| South East | 91.3 | 17.3 | 49.0 | 38.6 | 8.8 | 3.6 | 100.0 | 620 |
| South South | 86.1 | 16.2 | 50.7 | 32.2 | 14.7 | 2.4 | 100.0 | 900 |
| South West | 83.9 | 12.2 | 67.3 | 19.8 | 6.7 | 6.2 | 100.0 | 1261 |
| Residence | | | | | | | | |
| Urban | 80.4 | 22.9 | 70.9 | 19.9 | 5.2 | 4.0 | 100.0 | 3426 |
| Rural | 64.5 | 16.3 | 84.0 | 10.3 | 2.9 | 2.8 | 100.0 | 8121 |
| Mother's age at birth | | | | | | | | |
| Less than 20 | 64.5 | 14.4 | 85.6 | 8.4 | 2.1 | 3.8 | 100.0 | 1516 |
| 20-34 | 70.1 | 18.8 | 79.0 | 14.1 | 3.9 | 3.1 | 100.0 | 7969 |
| 35-49 | 69.2 | 18.8 | 80.6 | 13.0 | 3.3 | 3.1 | 100.0 | 2062 |
| Place of delivery | | | | | | | | |
| Public sector health facility | 86.4 | 32.2 | 64.3 | 24.8 | 6.6 | 4.3 | 100.0 | 2823 |
| Private sector health facility | 88.5 | 14.7 | 60.2 | 26.5 | 7.1 | 6.2 | 100.0 | 1511 |
| Home | 57.7 | 13.4 | 91.2 | 5.4 | 1.5 | 1.9 | 100.0 | 6952 |
| Other | 80.5 | 17.6 | 73.7 | 17.0 | 5.8 | 3.4 | 100.0 | 249 |
| Education | | | | | | | | |
| None | 57.1 | 12.8 | 89.7 | 5.8 | 1.4 | 3.1 | 100.0 | 3208 |
| Non-formal | 59.1 | 18.9 | 91.3 | 5.5 | 1.0 | 2.2 | 100.0 | 2560 |
| Primary | 70.2 | 15.4 | 81.2 | 12.8 | 3.4 | 2.7 | 100.0 | 1716 |
| Secondary | 83.9 | 21.7 | 67.7 | 22.9 | 6.0 | 3.5 | 100.0 | 3182 |
| Higher | 87.9 | 28.9 | 55.7 | 27.5 | 10.4 | 6.4 | 100.0 | 882 |
| Wealth index quintile | | | | | | | | |
| Poorest | 52.9 | 12.2 | 92.2 | 4.3 | 1.6 | 1.8 | 100.0 | 2587 |
| Second | 61.5 | 16.4 | 87.7 | 7.5 | 1.8 | 3.0 | 100.0 | 2548 |
| Middle | 70.9 | 17.8 | 81.1 | 12.3 | 3.3 | 3.3 | 100.0 | 2270 |
| Fourth | 79.7 | 22.0 | 74.1 | 18.3 | 4.0 | 3.6 | 100.0 | 2113 |
| Richest | 86.9 | 24.6 | 60.3 | 27.1 | 8.0 | 4.5 | 100.0 | 2028 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 61.3 | 19.3 | 89.5 | 6.9 | 1.4 | 2.2 | 100.0 | 6543 |
| Igbo | 89.6 | 17.9 | 53.5 | 34.8 | 8.7 | 3.1 | 100.0 | 923 |
| Yoruba | 84.4 | 15.7 | 68.5 | 19.0 | 6.6 | 6.0 | 100.0 | 1096 |
| Other ethnic group | 74.7 | 16.8 | 72.0 | 18.1 | 5.5 | 4.3 | 100.0 | 2985 |

Table RH.14A: Thermal care for newborns (continued)

Percentage of last-born children in the last 2 years who were dried after birth, percentage who were given skin to skin contact and percent distribution of timing of first bath, Nigeria, 2016 -17

| | Percentage of children who were: | | Timing of first bath | | | | Total | Number of last-born children in the last two years |
|--------------|--|---|-------------------------------|------------------------|---|----------------------------|--------------|--|
| | Dried (wiped) after birth ¹ | Given skin-to-skin contact with mother ² | Less than 6 hours after birth | 6-23 hours after birth | More than 24 hours after birth ³ | Don't know/ Don't remember | | |
| Total | 69.2 | 18.2 | 80.1 | 13.2 | 3.5 | 3.2 | 100.0 | 11547 |
| State | | | | | | | | |
| Abia | 93.4 | 10.3 | 46.4 | 38.5 | 8.6 | 6.5 | 100.0 | 99 |
| Adamawa | 59.0 | 21.9 | 87.7 | 8.0 | 0.6 | 3.7 | 100.0 | 264 |
| Akwa Ibom | 79.0 | 12.0 | 53.7 | 23.1 | 22.0 | 1.2 | 100.0 | 228 |
| Anambra | 95.0 | 20.8 | 45.5 | 41.5 | 9.0 | 4.0 | 100.0 | 140 |
| Bauchi | 55.2 | 13.9 | 88.9 | 9.0 | 1.9 | 0.1 | 100.0 | 618 |
| Bayelsa | 75.2 | 9.7 | 43.9 | 42.7 | 11.7 | 1.7 | 100.0 | 73 |
| Benue | 80.1 | 13.2 | 74.1 | 19.4 | 1.9 | 4.6 | 100.0 | 271 |
| Borno | 68.5 | 24.4 | 79.2 | 17.2 | 0.0 | 3.6 | 100.0 | 692 |
| Cross River | 93.1 | 13.1 | 43.0 | 35.9 | 18.7 | 2.3 | 100.0 | 162 |
| Delta | 82.4 | 13.7 | 67.5 | 24.9 | 4.6 | 3.0 | 100.0 | 173 |
| Ebonyi | 76.9 | 30.4 | 70.6 | 22.6 | 4.0 | 2.8 | 100.0 | 111 |
| Edo | 96.7 | 29.6 | 66.3 | 22.1 | 6.9 | 4.7 | 100.0 | 101 |
| Ekiti | 83.9 | 6.2 | 56.9 | 22.3 | 9.2 | 11.6 | 100.0 | 54 |
| Enugu | 90.3 | 19.6 | 59.5 | 24.0 | 12.7 | 3.8 | 100.0 | 105 |
| Gombe | 73.0 | 26.6 | 70.4 | 12.7 | 9.6 | 7.3 | 100.0 | 236 |
| Imo | 97.1 | 8.3 | 32.5 | 56.3 | 9.4 | 1.8 | 100.0 | 164 |
| Jigawa | 57.9 | 28.6 | 88.6 | 6.6 | 2.9 | 1.9 | 100.0 | 595 |
| Kaduna | 86.6 | 18.0 | 85.1 | 10.7 | 0.5 | 3.6 | 100.0 | 663 |
| Kano | 61.6 | 25.4 | 89.4 | 7.2 | 1.3 | 2.2 | 100.0 | 1,038 |
| Katsina | 45.9 | 21.3 | 92.6 | 5.0 | 1.2 | 1.2 | 100.0 | 916 |
| Kebbi | 52.0 | 18.6 | 92.1 | 2.6 | 0.5 | 4.8 | 100.0 | 398 |
| Kogi | 67.2 | 18.4 | 80.3 | 13.8 | 0.5 | 5.3 | 100.0 | 133 |
| Kwara | 69.7 | 21.5 | 76.8 | 16.0 | 3.5 | 3.7 | 100.0 | 115 |
| Lagos | 88.6 | 15.9 | 57.8 | 28.5 | 7.9 | 5.9 | 100.0 | 429 |
| Nasarawa | 82.2 | 13.9 | 90.0 | 5.9 | 1.8 | 2.3 | 100.0 | 244 |
| Niger | 73.5 | 20.7 | 91.3 | 3.0 | 0.8 | 5.0 | 100.0 | 527 |
| Ogun | 72.1 | 6.2 | 78.9 | 11.8 | 3.7 | 5.5 | 100.0 | 132 |
| Ondo | 76.5 | 13.1 | 69.9 | 23.6 | 3.5 | 3.0 | 100.0 | 163 |
| Osun | 93.2 | 5.8 | 80.7 | 10.8 | 1.8 | 6.7 | 100.0 | 161 |
| Oyo | 81.7 | 13.4 | 68.8 | 13.8 | 9.9 | 7.6 | 100.0 | 322 |
| Plateau | 87.5 | 14.4 | 83.4 | 10.7 | 3.9 | 2.0 | 100.0 | 392 |
| Rivers | 91.2 | 22.4 | 29.5 | 50.7 | 17.3 | 2.5 | 100.0 | 163 |
| Sokoto | 57.5 | 14.3 | 89.4 | 4.1 | 2.1 | 4.4 | 100.0 | 409 |
| Taraba | 47.6 | 9.6 | 84.5 | 7.7 | 2.4 | 5.4 | 100.0 | 173 |
| Yobe | 55.0 | 22.7 | 90.2 | 8.6 | 0.9 | 0.4 | 100.0 | 410 |
| Zamfara | 56.8 | 5.7 | 92.7 | 5.4 | 0.5 | 1.5 | 100.0 | 583 |
| FCT Abuja | 83.0 | 15.3 | 77.2 | 16.6 | 4.1 | 2.2 | 100.0 | 89 |

Table RH.14B: Cord cutting and care

Percent distribution of last live births in the last 2 years delivered outside a facility by what instrument was used to cut the umbilical cord and what substance was applied to the cord, Nigeria, 2016 -17

| | Instrument used to cut the cord | | | | | Percentage of children whose cord was cut with: | | Substances ^b applied to the cord | | | | | | Percentage with nothing harmful applied to the cord ² | Number of last-born children in the last two years delivered outside a facility |
|------------------------------|---------------------------------|------------|------------|------------|------------|---|-----------------------------------|---|---------------|-----------------------------|-------------------|-------------|--------------------|--|---|
| | New blade | Used blade | Scissors | Other | Don't know | Boiled or sterilised instruments | A clean instrument ^{1,a} | Nothing | Chlorhexidine | Other non-harmful substance | Harmful substance | Others | Missing/Don't know | | |
| Total | 88.0 | 4.7 | 5.7 | 0.0 | 1.7 | 17.7 | 90.6 | 44.7 | 3.9 | 14.6 | 8.3 | 27.1 | 1.4 | 63.2 | 7214 |
| Geopolitical zone | | | | | | | | | | | | | | | |
| North Central | 86.6 | 3.4 | 9.1 | 0.0 | 1.1 | 20.8 | 90.6 | 11.3 | 0.4 | 21.5 | 12.4 | 53.8 | 0.6 | 33.2 | 984 |
| North East | 96.0 | 1.0 | 2.5 | 0.0 | 0.8 | 16.2 | 96.9 | 33.9 | 6.6 | 10.2 | 8.0 | 39.8 | 1.5 | 50.7 | 1776 |
| North West | 89.2 | 6.9 | 2.9 | 0.0 | 0.8 | 17.7 | 90.9 | 64.6 | 3.9 | 8.0 | 7.3 | 14.3 | 1.8 | 76.6 | 3783 |
| South East | 37.5 | 5.4 | 52.9 | 0.0 | 9.1 | 22.9 | 53.2 | 20.1 | 0.6 | 35.4 | 23.0 | 19.4 | 1.5 | 56.0 | 77 |
| South South | 76.3 | 5.3 | 15.7 | 0.0 | 3.1 | 15.8 | 81.9 | 11.4 | 0.3 | 43.0 | 7.8 | 37.1 | 0.5 | 54.7 | 299 |
| South West | 56.1 | 2.3 | 26.4 | 0.0 | 16.5 | 17.9 | 66.6 | 5.8 | 3.2 | 68.6 | 5.8 | 16.2 | 0.5 | 77.6 | 295 |
| Residence | | | | | | | | | | | | | | | |
| Urban | 79.6 | 6.5 | 10.2 | 0.0 | 4.4 | 20.6 | 84.6 | 31.6 | 5.7 | 26.7 | 5.9 | 28.3 | 2.0 | 63.9 | 1336 |
| Rural | 90.0 | 4.3 | 4.7 | 0.0 | 1.1 | 17.1 | 92.0 | 47.7 | 3.5 | 11.9 | 8.9 | 26.8 | 1.3 | 63.0 | 5878 |
| Mother's age at birth | | | | | | | | | | | | | | | |
| Less than 20 | 89.6 | 5.0 | 4.1 | 0.0 | 1.4 | 18.2 | 90.9 | 48.6 | 5.0 | 8.9 | 10.0 | 26.3 | 1.3 | 62.4 | 1134 |
| 20-34 | 87.9 | 4.7 | 5.9 | 0.0 | 1.7 | 17.7 | 90.7 | 44.4 | 3.9 | 15.4 | 7.7 | 27.1 | 1.5 | 63.7 | 4813 |
| 35-49 | 87.3 | 4.4 | 6.4 | 0.0 | 1.6 | 17.6 | 90.0 | 42.1 | 2.7 | 16.9 | 9.0 | 27.8 | 1.4 | 61.8 | 1267 |
| Place of delivery | | | | | | | | | | | | | | | |
| Home | 89.0 | 4.8 | 5.0 | 0.0 | 1.2 | 17.2 | 91.3 | 46.0 | 3.9 | 13.2 | 8.3 | 27.2 | 1.5 | 63.1 | 6952 |
| Other | 64.7 | 2.7 | 24.2 | 0.0 | 10.4 | 32.9 | 73.8 | 5.7 | 2.1 | 55.3 | 10.3 | 26.1 | 0.5 | 63.1 | 249 |

Table RH.14B: Cord cutting and care (continued)

Percent distribution of last live births in the last 2 years delivered outside a facility by what instrument was used to cut the umbilical cord and what substance was applied to the cord, *Nigeria, 2016-17*

| | Instrument used to cut the cord | | | | | Percentage of children whose cord was cut with: | | Substances ^b applied to the cord | | | | | | Number of last-born children in the last two years delivered outside a facility | |
|------------------------------------|---------------------------------|------------|------------|------------|------------|---|-----------------------------------|---|---------------|-----------------------------|-------------------|-------------|--------------------|---|--|
| | New blade | Used blade | Scissors | Other | Don't know | Boiled or sterilised instruments | A clean instrument ^{1,a} | Nothing | Chlorhexidine | Other non-harmful substance | Harmful substance | Others | Missing/Don't know | | Percentage with nothing harmful applied to the cord ² |
| Total | 88.0 | 4.7 | 5.7 | 0.0 | 1.7 | 17.7 | 90.6 | 44.7 | 3.9 | 14.6 | 8.3 | 27.1 | 1.4 | 63.2 | 7214 |
| Mother's Education | | | | | | | | | | | | | | | |
| None | 92.2 | 3.5 | 3.3 | 0.0 | 1.1 | 17.8 | 93.6 | 47.1 | 5.1 | 8.2 | 8.9 | 29.6 | 1.0 | 60.4 | 2659 |
| Non-formal | 89.8 | 6.1 | 3.2 | 0.0 | 0.7 | 15.2 | 91.5 | 58.7 | 1.8 | 8.5 | 7.1 | 22.2 | 1.7 | 69.0 | 2319 |
| Primary | 87.6 | 4.7 | 6.1 | 0.0 | 1.9 | 17.2 | 90.2 | 32.2 | 4.3 | 20.6 | 10.4 | 30.9 | 1.6 | 57.1 | 1045 |
| Secondary | 75.6 | 4.9 | 15.6 | 0.0 | 4.7 | 23.4 | 82.6 | 23.0 | 5.0 | 35.2 | 7.6 | 27.5 | 1.6 | 63.2 | 1103 |
| Higher | 76.6 | 1.6 | 16.4 | 0.0 | 4.1 | 17.6 | 79.4 | 20.4 | 2.9 | 41.7 | 7.7 | 27.2 | 0.0 | 65.1 | 87 |
| Wealth index quintile | | | | | | | | | | | | | | | |
| Poorest | 91.8 | 5.3 | 2.0 | 0.0 | .9 | 16.5 | 92.7 | 57.8 | 2.3 | 5.9 | 9.8 | 22.9 | 1.2 | 66.1 | 2337 |
| Second | 90.3 | 5.1 | 3.4 | 0.0 | 1.0 | 14.9 | 91.8 | 49.6 | 4.1 | 8.6 | 7.7 | 28.4 | 1.4 | 62.4 | 2043 |
| Middle | 87.5 | 3.8 | 7.1 | 0.0 | 1.5 | 19.2 | 90.8 | 34.9 | 6.3 | 16.4 | 8.3 | 32.5 | 1.6 | 57.6 | 1479 |
| Fourth | 83.6 | 4.0 | 10.7 | 0.0 | 2.2 | 22.4 | 88.1 | 26.6 | 3.0 | 32.0 | 7.3 | 29.4 | 1.7 | 61.6 | 918 |
| Richest | 68.4 | 4.1 | 20.2 | 0.0 | 8.4 | 22.8 | 78.3 | 22.5 | 4.5 | 46.6 | 5.1 | 19.7 | 1.6 | 73.6 | 438 |
| Ethnicity of household head | | | | | | | | | | | | | | | |
| Hausa | 90.7 | 5.5 | 2.9 | 0.0 | 0.8 | 17.6 | 92.3 | 52.9 | 4.3 | 10.0 | 8.0 | 23.2 | 1.6 | 67.2 | 5310 |
| Igbo | 53.1 | 3.9 | 38.7 | 0.0 | 6.6 | 26.4 | 64.7 | 25.4 | 6.8 | 29.5 | 17.5 | 19.9 | 0.9 | 61.7 | 132 |
| Yoruba | 53.3 | 2.4 | 28.2 | 0.0 | 18.0 | 18.8 | 64.2 | 6.0 | 2.1 | 75.4 | 5.1 | 10.6 | 0.8 | 83.5 | 258 |
| Other ethnic group | 87.5 | 2.3 | 8.6 | 0.0 | 1.5 | 17.3 | 91.2 | 24.0 | 2.4 | 19.3 | 9.1 | 44.2 | 1.0 | 45.8 | 1513 |

Table RH.14B: Cord cutting and care (continued)

Percent distribution of last live births in the last 2 years delivered outside a facility by what instrument was used to cut the umbilical cord and what substance was applied to the cord, Nigeria, 2016 -17

| | Instrument used to cut the cord | | | | | Percentage of children whose cord was cut with: | | Substances ^b applied to the cord | | | | | Percentage with nothing harmful applied to the cord ² | Number of last-born children in the last two years delivered outside a facility | |
|--------------|---------------------------------|------------|------------|------------|------------|---|-----------------------------------|---|----------------|-----------------------------|-------------------|-------------|--|---|---------------------|
| | New blade | Used blade | Scissors | Other | Don't know | Boiled or sterilised instruments | A clean instrument ^{1,a} | Nothing | Chlorh exidine | Other non-harmful substance | Harmful substance | Others | | | Missing/ Don't know |
| Total | 88.0 | 4.7 | 5.7 | 0.0 | 1.7 | 17.7 | 90.6 | 44.7 | 3.9 | 14.6 | 8.3 | 27.1 | 1.4 | 63.2 | 7214 |
| State | | | | | | | | | | | | | | | |
| Abia | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 17.0 | 0.0 | (*) | 11 |
| Adamawa | 94.4 | 2.2 | 3.4 | 0.0 | 0.0 | 19.0 | 96.4 | 56.8 | 4.4 | 4.8 | 16.7 | 12.6 | 4.7 | 66.1 | 154 |
| Akwa Ibom | 90.3 | 2.0 | 6.6 | 0.0 | 0.0 | 26.7 | 96.2 | 27.8 | 0.0 | 28.0 | 7.6 | 36.6 | 0.0 | 55.8 | 86 |
| Anambra | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 0.0 | 0.0 | (*) | 5 |
| Bauchi | 99.4 | 0.0 | 0.6 | 0.0 | 0.0 | 3.1 | 99.4 | 27.5 | 8.9 | 4.1 | 12.8 | 46.5 | 0.4 | 40.4 | 512 |
| Bayelsa | 80.2 | 3.7 | 14.2 | 0.0 | 2.2 | 7.3 | 86.2 | 2.1 | 0.0 | 49.5 | 1.4 | 47.0 | 0.0 | 51.6 | 49 |
| Benue | 94.5 | 3.2 | 3.3 | 0.0 | 0.0 | 4.1 | 94.5 | 11.3 | 0.0 | 3.4 | 12.0 | 73.3 | 0.0 | 14.6 | 104 |
| Borno | 97.8 | 0.0 | 2.2 | 0.0 | 0.0 | 39.1 | 99.3 | 11.9 | 12.4 | 18.5 | 0.0 | 56.4 | 0.8 | 42.8 | 435 |
| Cross River | 93.3 | 0.0 | 7.3 | 0.0 | 0.0 | 11.0 | 96.6 | 0.0 | .5 | 28.2 | 12.6 | 56.7 | 2.0 | 28.7 | 70 |
| Delta | 55.4 | 14.2 | 27.6 | 0.0 | 2.7 | 12.2 | 58.4 | 7.6 | 0.0 | 73.4 | 6.5 | 12.5 | 0.0 | 81.0 | 53 |
| Ebonyi | 51.5 | 4.9 | 40.9 | 0.0 | 6.6 | 18.8 | 61.8 | 17.0 | 1.3 | 27.6 | 22.9 | 27.8 | 3.4 | 45.8 | 35 |
| Edo | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 22.2 | 0.0 | (*) | 8 |
| Ekiti | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 30.1 | 0.0 | (*) | 11 |
| Enugu | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 15.2 | 0.0 | (*) | 15 |
| Gombe | 86.3 | 0.0 | 5.7 | 0.0 | 8.0 | 7.3 | 88.3 | 70.2 | .9 | 6.3 | 8.8 | 8.9 | 4.9 | 77.5 | 167 |
| Imo | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 11.0 | 0.0 | (*) | 12 |
| Jigawa | 94.9 | 3.0 | 1.8 | 0.0 | 0.7 | 16.7 | 96.4 | 59.1 | 1.4 | 10.3 | 11.0 | 17.6 | 0.7 | 70.7 | 494 |
| Kaduna | 60.3 | 29.3 | 9.1 | 0.0 | 1.2 | 29.3 | 66.2 | 3.8 | 19.2 | 27.8 | 26.0 | 21.4 | 1.9 | 50.7 | 428 |
| Kano | 95.7 | 1.3 | 1.6 | 0.0 | 0.8 | 8.4 | 96.3 | 68.5 | 5.0 | 8.0 | 8.8 | 8.9 | 0.8 | 81.5 | 876 |
| Katsina | 98.3 | 0.0 | 0.8 | 0.0 | 0.4 | 23.5 | 98.6 | 82.6 | 1.0 | 1.5 | 0.8 | 12.6 | 1.5 | 85.1 | 756 |

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table RH.14B: Cord cutting and care (continued)

Percent distribution of last live births in the last 2 years delivered outside a facility by what instrument was used to cut the umbilical cord and what substance was applied to the cord, Nigeria, 2016 -17

| | Instrument used to cut the cord | | | | | Percentage of children whose cord was cut with: | | Substances ^b applied to the cord | | | | | | Number of last-born children in the last two years delivered outside a facility | |
|--------------|---------------------------------|------------|------------|------------|------------|---|-----------------------------------|---|---------------|-----------------------------|-------------------|-------------|--------------------|---|--|
| | New blade | Used blade | Scissors | Other | Don't know | Boiled or sterilised instruments | A clean instrument ^{1,a} | Nothing | Chlorhexidine | Other non-harmful substance | Harmful substance | Others | Missing/Don't know | | Percentage with nothing harmful applied to the cord ² |
| Total | 88.0 | 4.7 | 5.7 | 0.0 | 1.7 | 17.7 | 90.6 | 44.7 | 3.9 | 14.6 | 8.3 | 27.1 | 1.4 | 63.2 | 7214 |
| Kebbi | 86.5 | 2.9 | 9.3 | 0.0 | 1.1 | 11.9 | 91.9 | 78.1 | 0.9 | 3.2 | 3.8 | 8.2 | 5.8 | 82.2 | 350 |
| Kogi | (73.5) | (13.8) | (5.7) | (0.0) | (4.7) | (47.5) | (83.6) | (10.8) | (0.0) | (65.7) | (2.0) | 16.3 | 5.2 | (76.5) | 32 |
| Kwara | 67.6 | 7.5 | 22.4 | 0.0 | 3.9 | 12.5 | 78.2 | 3.8 | 0.0 | 78.7 | 10.6 | 5.1 | 1.9 | 82.5 | 44 |
| Lagos | 36.1 | 0.0 | 42.6 | 0.0 | 24.5 | 36.6 | 59.3 | 3.0 | 9.9 | 73.3 | 2.0 | 10.3 | 1.5 | 86.2 | 88 |
| Nasarawa | 89.7 | 3.9 | 4.4 | 0.0 | 1.6 | 15.2 | 92.5 | 6.8 | 0.4 | 20.0 | 7.0 | 65.8 | 0.0 | 27.2 | 135 |
| Niger | 83.5 | 2.4 | 12.6 | 0.0 | 1.1 | 17.1 | 88.5 | 8.9 | 0.8 | 13.4 | 13.8 | 62.3 | 0.7 | 23.2 | 413 |
| Ogun | (47.1) | (6.4) | (38.8) | (0.0) | (7.8) | (40.3) | (72.0) | (6.4) | (3.0) | (71.2) | (8.8) | 10.6 | 0.0 | (80.7) | 29 |
| Ondo | 73.6 | 5.0 | 13.3 | 0.0 | 11.4 | 3.4 | 73.6 | 5.0 | 0.0 | 56.7 | 25.0 | 13.3 | 0.0 | 61.7 | 43 |
| Osun | (61.0) | (0.0) | (24.4) | (0.0) | (11.9) | (9.8) | (63.6) | (2.1) | (0.0) | (84.5) | (0.0) | 13.4 | 0.0 | (86.6) | 43 |
| Oyo | (68.8) | (2.3) | (13.6) | (0.0) | (15.3) | (2.7) | (71.5) | (10.0) | (0.0) | (61.9) | (2.3) | 25.8 | 0.0 | (71.9) | 81 |
| Plateau | 93.4 | 3.2 | 4.6 | 0.0 | 0.7 | 38.4 | 95.5 | 20.2 | 0.0 | 26.1 | 15.6 | 38.1 | 0.0 | 46.3 | 222 |
| Rivers | (36.0) | (10.6) | (41.8) | (0.0) | (17.0) | (18.8) | (50.3) | (9.1) | (0.0) | (55.4) | (11.2) | 24.3 | 0.0 | (64.5) | 33 |
| Sokoto | 96.2 | 1.6 | 0.7 | 0.0 | 0.9 | 33.4 | 97.0 | 80.5 | 0.9 | 7.4 | 3.2 | 5.7 | 2.3 | 88.8 | 359 |
| Taraba | 97.3 | 0.0 | 6.4 | 0.0 | 0.6 | 31.2 | 97.3 | 24.2 | 0.0 | 11.8 | 7.7 | 53.3 | 3.0 | 35.9 | 134 |
| Yobe | 93.5 | 4.0 | 2.5 | 0.0 | 0.0 | 4.9 | 94.4 | 46.2 | 2.6 | 12.2 | 7.1 | 31.7 | 0.3 | 60.9 | 372 |
| Zamfara | 80.2 | 17.9 | 1.2 | 0.0 | 0.9 | 9.2 | 81.0 | 67.3 | 0.2 | 3.0 | 0.7 | 27.0 | 1.8 | 70.4 | 521 |
| FCT Abuja | 79.7 | 1.3 | 18.9 | 0.0 | 0.0 | 10.2 | 87.5 | 8.8 | 0.0 | 36.4 | 9.6 | 44.3 | 0.9 | 45.2 | 35 |

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table RH.14C: Content of postnatal care for newborns

Percent of last live births in the last two years for which within 2 days after birth the umbilical cord was examined, the temperature of the newborn was assessed, breastfeeding counseling was done and breastfeeding observed, counseling on danger signs for newborns was done and the newborn was weighed, Nigeria, 2016 -17

| | Percentage of newborn receiving postnatal care signal function of: | | | | | Percentage of newborns who received a least 2 of the preceding signal postnatal care functions within 2 days after birth ¹ | Number of lastborn children in the last two years |
|------------------------------------|--|------------------------|--|-------------------|---|---|---|
| | Cord examination | Temperature assessment | Counseling on and observation of breastfeeding | Weight assessment | Counseling on danger signs for newborns | | |
| Total | 30.4 | 28.1 | 28.3 | 23.6 | 26.6 | 32.1 | 11547 |
| Geopolitical zone | | | | | | | |
| North Central | 37.9 | 36.2 | 34.9 | 26.6 | 32.9 | 40.2 | 1770 |
| North East | 15.2 | 14.0 | 14.1 | 10.5 | 14.9 | 16.8 | 2394 |
| North West | 15.8 | 12.8 | 15.3 | 11.0 | 13.4 | 15.9 | 4603 |
| South East | 56.4 | 55.1 | 49.7 | 50.5 | 46.6 | 61.1 | 620 |
| South South | 60.5 | 51.6 | 52.6 | 47.1 | 49.5 | 60.9 | 900 |
| South West | 68.0 | 68.9 | 65.4 | 60.5 | 61.8 | 74.0 | 1261 |
| Residence | | | | | | | |
| Urban | 48.4 | 48.0 | 47.8 | 43.6 | 45.8 | 53.6 | 3426 |
| Rural | 22.8 | 19.7 | 20.0 | 15.2 | 18.5 | 23.0 | 8121 |
| Mother's age at birth | | | | | | | |
| Less than 20 | 22.0 | 17.8 | 20.8 | 11.9 | 19.0 | 22.0 | 1516 |
| 20-34 | 32.2 | 30.1 | 30.2 | 25.7 | 28.5 | 34.2 | 7969 |
| 35-49 | 29.9 | 27.6 | 26.5 | 24.5 | 24.8 | 31.4 | 2062 |
| Place of delivery | | | | | | | |
| Public sector health facility | 58.2 | 57.6 | 55.7 | 53.4 | 54.2 | 63.6 | 2823 |
| Private sector health facility | 62.6 | 61.3 | 57.0 | 54.5 | 53.3 | 67.3 | 1511 |
| Home | 11.9 | 8.7 | 10.8 | 4.9 | 9.4 | 11.4 | 6952 |
| Other | 41.2 | 33.8 | 33.6 | 24.9 | 34.3 | 40.7 | 249 |
| Education | | | | | | | |
| None | 14.2 | 12.3 | 13.9 | 9.2 | 12.5 | 14.6 | 3208 |
| Non-formal | 11.6 | 9.7 | 10.6 | 5.8 | 9.9 | 11.4 | 2560 |
| Primary | 33.1 | 29.3 | 28.0 | 22.5 | 27.0 | 33.5 | 1716 |
| Secondary | 49.4 | 47.0 | 46.2 | 40.6 | 43.8 | 53.5 | 3182 |
| Higher | 70.4 | 68.2 | 67.6 | 69.6 | 63.5 | 75.9 | 882 |
| Wealth index quintile | | | | | | | |
| Poorest | 9.3 | 7.3 | 8.7 | 5.4 | 7.3 | 9.1 | 2587 |
| Second | 17.3 | 13.9 | 15.0 | 9.7 | 13.8 | 16.7 | 2548 |
| Middle | 28.3 | 25.0 | 24.4 | 18.4 | 23.1 | 28.2 | 2270 |
| Fourth | 42.4 | 40.6 | 41.6 | 34.0 | 39.2 | 47.3 | 2113 |
| Richest | 63.8 | 62.9 | 60.5 | 59.7 | 57.9 | 69.2 | 2028 |
| Ethnicity of household head | | | | | | | |
| Hausa | 16.2 | 14.1 | 15.6 | 11.2 | 14.7 | 17.0 | 6543 |
| Igbo | 60.7 | 58.9 | 54.7 | 55.3 | 51.9 | 65.2 | 923 |
| Yoruba | 65.6 | 68.2 | 64.8 | 59.5 | 60.9 | 73.0 | 1096 |
| Other ethnic group | 39.2 | 34.5 | 34.4 | 28.0 | 32.2 | 39.8 | 2985 |

Table RH.14C: Content of postnatal care for newborns (continued)

Percent of last live births in the last two years for which within 2 days after birth the umbilical cord was examined, the temperature of the newborn was assessed, breastfeeding counseling was done and breastfeeding observed, counseling on danger signs for newborns was done and the newborn was weighed, Nigeria, 2016 -17

| | Percentage of newborn receiving postnatal care signal function of: | | | | | Percentage of newborns who received a least 2 of the preceding signal postnatal care functions within 2 days after birth ¹ | Number of lastborn children in the last two years |
|--------------|--|------------------------|--|-------------------|---|---|---|
| | Cord examination | Temperature assessment | Counseling on and observation of breastfeeding | Weight assessment | Counseling on danger signs for newborns | | |
| Total | 30.4 | 28.1 | 28.3 | 23.6 | 26.6 | 32.1 | 11547 |
| State | | | | | | | |
| Abia | 45.8 | 40.3 | 33.3 | 30.4 | 31.2 | 45.3 | 99 |
| Adamawa | 37.9 | 32.9 | 30.8 | 29.8 | 29.1 | 38.8 | 264 |
| Akwa Ibom | 64.7 | 47.4 | 47.4 | 40.3 | 39.7 | 58.9 | 228 |
| Anambra | 78.3 | 78.8 | 77.7 | 80.2 | 76.0 | 82.0 | 140 |
| Bauchi | 9.0 | 8.3 | 8.3 | 5.1 | 7.8 | 9.1 | 618 |
| Bayelsa | 29.3 | 20.7 | 26.1 | 21.8 | 21.9 | 31.8 | 73 |
| Benue | 38.0 | 32.2 | 32.9 | 25.8 | 29.9 | 38.1 | 271 |
| Borno | 12.8 | 14.1 | 13.1 | 8.6 | 18.7 | 17.3 | 692 |
| Cross River | 65.7 | 55.7 | 56.1 | 51.0 | 55.0 | 65.5 | 162 |
| Delta | 52.5 | 50.0 | 50.1 | 46.7 | 50.5 | 57.6 | 173 |
| Ebonyi | 39.8 | 46.3 | 38.3 | 39.1 | 34.2 | 48.3 | 111 |
| Edo | 75.6 | 71.4 | 74.2 | 69.4 | 70.8 | 80.8 | 101 |
| Ekiti | 54.7 | 63.2 | 69.8 | 56.8 | 57.4 | 70.6 | 54 |
| Enugu | 59.8 | 68.0 | 58.2 | 52.5 | 53.8 | 73.7 | 105 |
| Gombe | 17.7 | 16.3 | 20.1 | 15.5 | 19.5 | 21.7 | 236 |
| Imo | 53.1 | 41.7 | 37.7 | 43.8 | 34.5 | 53.3 | 164 |
| Jigawa | 14.3 | 13.9 | 18.0 | 12.0 | 14.3 | 17.1 | 595 |
| Kaduna | 28.8 | 29.2 | 30.9 | 28.3 | 28.7 | 31.4 | 663 |
| Kano | 17.1 | 11.8 | 12.7 | 9.3 | 11.6 | 15.3 | 1038 |
| Katsina | 10.8 | 5.9 | 10.1 | 7.6 | 8.1 | 10.3 | 916 |
| Kebbi | 13.8 | 9.9 | 14.4 | 7.9 | 12.9 | 14.5 | 398 |
| Kogi | 53.9 | 49.2 | 48.7 | 43.7 | 47.1 | 56.4 | 133 |
| Kwara | 54.5 | 56.8 | 58.7 | 47.7 | 57.8 | 62.7 | 115 |
| Lagos | 82.9 | 80.0 | 77.3 | 77.0 | 76.7 | 86.2 | 429 |
| Nasarawa | 35.5 | 36.0 | 34.6 | 27.2 | 32.3 | 38.1 | 244 |
| Niger | 34.9 | 33.3 | 31.6 | 17.5 | 30.9 | 34.8 | 527 |
| Ogun | 65.3 | 70.4 | 66.4 | 44.5 | 56.7 | 77.8 | 132 |
| Ondo | 68.9 | 68.7 | 67.1 | 61.9 | 62.4 | 73.4 | 163 |
| Osun | 51.2 | 59.8 | 58.1 | 42.8 | 46.7 | 62.3 | 161 |
| Oyo | 59.6 | 58.9 | 51.2 | 53.9 | 52.0 | 62.8 | 322 |
| Plateau | 30.3 | 30.8 | 27.2 | 24.0 | 24.4 | 35.6 | 392 |
| Rivers | 62.5 | 56.6 | 57.7 | 50.6 | 56.0 | 63.3 | 163 |
| Sokoto | 6.0 | 6.9 | 6.7 | 4.2 | 5.5 | 7.6 | 409 |
| Taraba | 8.9 | 8.1 | 6.9 | 6.2 | 7.0 | 8.7 | 173 |
| Yobe | 15.1 | 11.7 | 13.5 | 8.6 | 10.8 | 13.7 | 410 |
| Zamfara | 16.1 | 11.7 | 13.8 | 5.9 | 12.3 | 13.7 | 583 |
| FCT Abuja | 51.1 | 44.7 | 43.0 | 38.7 | 40.4 | 51.6 | 89 |

Table RH.15: Post-natal health checks for mothers

Percentage of women age 15-49 years with a live birth in the last two years who received health checks while in facility or at home following birth, percent distribution who received post-natal care (PNC) visits from any health provider after birth at the time of last birth, by timing of visit, and percentage who received post natal health checks, Nigeria, 2016 -17

| | Health check following birth while in facility or at home ^a | PNC visit for mothers ^b | | | | | | | Total | Post-natal health check for the mother ^{1,c} | Number of women with a live birth in the last two years |
|--------------------------------------|--|------------------------------------|-----------------------|------------------------|--------------------------|--------------------------------------|--------------------------|---------------------|--------------|---|---|
| | | Same day | 1 day following birth | 2 days following birth | 3-6 days following birth | After the first week following birth | No post-natal care visit | Missing/ Don't know | | | |
| Total | 33.4 | 4.2 | 1.0 | 1.5 | 1.6 | 2.3 | 89.4 | 0.1 | 100.0 | 37.1 | 11,547 |
| Geopolitical zone | | | | | | | | | | | |
| North Central | 42.6 | 5.6 | 1.3 | 2.6 | 1.3 | 1.2 | 87.8 | 0.1 | 100.0 | 47.3 | 1,770 |
| North East | 22.7 | 3.6 | 0.5 | 0.6 | 0.4 | 2.1 | 92.8 | 0.0 | 100.0 | 24.7 | 2,394 |
| North West | 15.8 | 3.9 | 0.7 | 0.8 | 0.7 | 1.3 | 92.5 | 0.1 | 100.0 | 19.9 | 4,603 |
| South East | 62.9 | 2.1 | 1.6 | 2.0 | 1.9 | 4.3 | 88.0 | 0.1 | 100.0 | 64.5 | 620 |
| South South | 61.1 | 6.1 | 2.0 | 3.3 | 5.2 | 6.4 | 77.0 | 0.0 | 100.0 | 67.8 | 900 |
| South West | 71.1 | 3.8 | 1.3 | 2.6 | 5.1 | 3.5 | 83.7 | 0.0 | 100.0 | 73.9 | 1,261 |
| Residence | | | | | | | | | | | |
| Urban | 55.8 | 5.6 | 1.0 | 2.3 | 2.8 | 3.3 | 85.0 | 0.0 | 100.0 | 60.1 | 3,426 |
| Rural | 24.0 | 3.5 | 1.0 | 1.2 | 1.2 | 1.8 | 91.3 | 0.1 | 100.0 | 27.4 | 8,121 |
| Mother's age at birth (years) | | | | | | | | | | | |
| Less than 20 | 22.5 | 4.3 | 1.1 | 1.1 | 1.6 | 2.5 | 89.4 | 0.0 | 100.0 | 26.9 | 1,516 |
| 20-34 | 35.5 | 4.0 | 1.1 | 1.6 | 1.6 | 2.3 | 89.4 | 0.0 | 100.0 | 39.1 | 7,969 |
| Missing | 33.3 | 4.6 | 0.5 | 1.5 | 1.7 | 1.9 | 89.7 | 0.1 | 100.0 | 36.7 | 2,062 |
| Place of delivery | | | | | | | | | | | |
| Home | 4.7 | 4.3 | 0.7 | 1.1 | 0.9 | 1.6 | 91.4 | 0.0 | 100.0 | 10.2 | 6,952 |
| Health facility | 80.2 | 3.7 | 1.3 | 2.0 | 2.7 | 3.4 | 86.7 | 0.1 | 100.0 | 80.6 | 4,333 |
| Public | 80.0 | 4.3 | 1.3 | 1.7 | 2.0 | 2.9 | 87.7 | 0.1 | 100.0 | 80.5 | 2,823 |
| Private | 80.5 | 2.6 | 1.3 | 2.6 | 4.2 | 4.3 | 84.8 | 0.2 | 100.0 | 80.8 | 1,511 |
| Other/DK/Missing | 21.7 | 8.2 | 1.7 | 3.0 | 3.1 | 1.2 | 82.8 | 0.0 | 100.0 | 33.1 | 262 |
| Type of delivery | | | | | | | | | | | |
| Vaginal birth | 31.9 | 4.0 | 1.0 | 1.5 | 1.6 | 1.9 | 89.9 | 0.0 | 100.0 | 35.6 | 11,223 |
| C-section | 87.6 | 7.8 | 0.5 | 0.8 | 3.3 | 14.7 | 72.5 | 0.4 | 100.0 | 87.9 | 324 |
| Education | | | | | | | | | | | |
| None | 15.1 | 2.4 | 0.4 | 0.7 | 0.5 | 1.0 | 95.0 | 0.0 | 100.0 | 17.1 | 3,208 |
| Non-formal | 10.1 | 5.9 | 0.4 | 0.5 | 0.7 | 1.7 | 90.7 | 0.0 | 100.0 | 15.6 | 2,560 |
| Primary | 35.1 | 3.5 | 0.9 | 2.4 | 1.3 | 2.9 | 89.0 | 0.0 | 100.0 | 39.3 | 1,716 |
| Secondary | 56.1 | 4.7 | 2.1 | 2.3 | 3.1 | 2.8 | 85.0 | 0.1 | 100.0 | 60.4 | 3,182 |
| Higher | 82.5 | 4.7 | 0.8 | 2.7 | 4.1 | 5.2 | 82.3 | 0.2 | 100.0 | 84.0 | 882 |
| Wealth Index quintile | | | | | | | | | | | |
| Poorest | 7.9 | 2.8 | 0.3 | 0.4 | 0.2 | 1.5 | 94.9 | 0.0 | 100.0 | 10.6 | 2,587 |
| Second | 17.0 | 3.5 | 0.6 | 1.1 | 1.0 | 1.2 | 92.5 | 0.1 | 100.0 | 20.8 | 2,548 |
| Middle | 30.9 | 4.6 | 1.5 | 2.0 | 1.4 | 1.6 | 89.0 | 0.1 | 100.0 | 35.8 | 2,270 |
| Fourth | 50.2 | 5.4 | 1.4 | 1.9 | 2.8 | 3.4 | 85.0 | 0.1 | 100.0 | 54.7 | 2,113 |
| Richest | 72.0 | 5.0 | 1.3 | 2.5 | 3.3 | 4.1 | 83.7 | 0.1 | 100.0 | 74.5 | 2,028 |
| Ethnicity of household head | | | | | | | | | | | |
| Hausa | 17.0 | 4.0 | 0.7 | 1.0 | 0.8 | 1.6 | 91.9 | 0.0 | 100.0 | 20.8 | 6,543 |
| Igbo | 67.7 | 2.1 | 1.2 | 1.7 | 2.7 | 4.4 | 87.8 | 0.1 | 100.0 | 69.2 | 923 |
| Yoruba | 70.2 | 5.0 | 1.2 | 2.6 | 5.6 | 2.7 | 82.8 | 0.0 | 100.0 | 73.4 | 1,096 |
| Other ethnic group | 45.2 | 4.9 | 1.5 | 2.1 | 1.7 | 2.8 | 86.9 | 0.1 | 100.0 | 49.5 | 2,985 |

^a Health checks by any health provider following facility births (before discharge from facility) or following home births (before departure of provider from home).

^b Post-natal care visits (PNC) refer to a separate visit by any health provider to check on the health of the mother and provide preventive care services. PNC visits do not include health checks following birth while in facility or at home (see note ^a above).

^c Post-natal health checks include any health check performed while in the health facility or at home following birth (see note ^a above), as well as PNC visits (see note ^b above) within two days of delivery.

Table RH.15: Post-natal health checks for mothers (continued)

Percentage of women age 15-49 years with a live birth in the last two years who received health checks while in facility or at home following birth, percent distribution who received post-natal care (PNC) visits from any health provider after birth at the time of last birth, by timing of visit, and percentage who received post natal health checks, Nigeria, 2016 -17

| | Health check following birth while in facility or at home ^a | PNC visit for mothers ^b | | | | | | | Misssing /Don't know | Total | Post-natal health check for the mother ^{1.c} | Number of women with a live birth in the last two years |
|---------------|--|------------------------------------|-----------------------|------------------------|--------------------------|--------------------------------------|--------------------------|------------|----------------------|-------------|---|---|
| | | Same day | 1 day following birth | 2 days following birth | 3-6 days following birth | After the first week following birth | No post-natal care visit | | | | | |
| Total | 33.4 | 4.2 | 1.0 | 1.5 | 1.6 | 2.3 | 89.4 | 0.1 | 100.0 | 37.1 | 11,547 | |
| States | | | | | | | | | | | | |
| Abia | 59.7 | 1.1 | 2.7 | 2.8 | 4.0 | 2.8 | 86.6 | 0.0 | 100.0 | 61.7 | 99 | |
| Adamawa | 37.8 | 11.5 | 1.6 | 0.7 | 1.0 | 1.9 | 83.4 | 0.0 | 100.0 | 39.4 | 264 | |
| Akwa Ibom | 55.5 | 8.0 | 1.8 | 2.1 | 6.1 | 11.7 | 70.3 | 0.0 | 100.0 | 63.3 | 228 | |
| Anambra | 73.5 | 3.0 | 0.7 | 1.1 | 0.0 | 4.3 | 90.3 | 0.6 | 100.0 | 74.5 | 140 | |
| Bauchi | 13.9 | 0.2 | 0.0 | 0.4 | 0.0 | 0.4 | 98.9 | 0.0 | 100.0 | 14.3 | 618 | |
| Bayelsa | 31.4 | 13.2 | 7.1 | 2.8 | 4.2 | 0.6 | 72.0 | 0.0 | 100.0 | 51.9 | 73 | |
| Benue | 54.1 | 0.3 | 2.1 | 1.3 | 1.2 | 1.1 | 94.0 | 0.0 | 100.0 | 55.4 | 271 | |
| Borno | 34.7 | 4.8 | 0.0 | 0.3 | 0.0 | 2.2 | 92.7 | 0.0 | 100.0 | 37.8 | 692 | |
| Cross River | 58.8 | 1.4 | 4.6 | 6.5 | 10.3 | 9.2 | 68.0 | 0.0 | 100.0 | 66.3 | 162 | |
| Delta | 61.0 | 10.3 | 0.0 | 4.5 | 4.2 | 4.8 | 76.3 | 0.0 | 100.0 | 68.5 | 173 | |
| Ebonyi | 45.4 | 3.6 | 1.9 | 0.8 | 1.5 | 4.0 | 88.1 | 0.0 | 100.0 | 48.8 | 111 | |
| Edo | 81.7 | 3.9 | 0.6 | 2.3 | 3.7 | 3.0 | 86.6 | 0.0 | 100.0 | 83.0 | 101 | |
| Ekiti | 61.5 | 2.0 | 1.8 | 3.3 | 2.6 | 1.3 | 89.0 | 0.0 | 100.0 | 61.5 | 54 | |
| Enugu | 73.7 | 3.0 | 0.8 | 4.7 | 1.2 | 9.5 | 80.7 | 0.0 | 100.0 | 74.7 | 105 | |
| Gombe | 21.7 | 3.2 | 0.6 | 1.2 | 1.8 | 1.5 | 91.8 | 0.0 | 100.0 | 23.1 | 236 | |
| Imo | 60.5 | 0.3 | 2.1 | 1.2 | 2.8 | 2.2 | 91.3 | 0.0 | 100.0 | 61.8 | 164 | |
| Jigawa | 15.5 | 0.8 | 0.6 | 1.1 | 1.9 | 0.8 | 94.8 | 0.0 | 100.0 | 18.0 | 595 | |
| Kaduna | 35.1 | 1.2 | 0.8 | 1.0 | 0.3 | 0.9 | 95.8 | 0.0 | 100.0 | 36.7 | 663 | |
| Kano | 13.3 | 3.3 | 1.0 | 0.9 | 0.5 | 1.5 | 92.6 | 0.2 | 100.0 | 17.3 | 1,038 | |
| Katsina | 13.6 | 2.5 | 0.6 | 0.4 | 1.0 | 1.7 | 93.8 | 0.0 | 100.0 | 14.9 | 916 | |
| Kebbi | 10.7 | 2.9 | 0.7 | 1.7 | 0.3 | 2.2 | 92.1 | 0.2 | 100.0 | 13.5 | 398 | |
| Kogi | 67.8 | 11.5 | 1.1 | 2.5 | 0.0 | 0.0 | 83.1 | 1.8 | 100.0 | 70.9 | 133 | |
| Kwara | 59.2 | 5.5 | 0.6 | 2.5 | 4.6 | 0.6 | 86.3 | 0.0 | 100.0 | 64.3 | 115 | |
| Lagos | 80.0 | 4.4 | 1.4 | 1.9 | 6.6 | 6.7 | 78.9 | 0.0 | 100.0 | 82.8 | 429 | |
| Nasarawa | 39.8 | 1.8 | 2.1 | 2.2 | 1.3 | 1.7 | 90.8 | 0.0 | 100.0 | 43.9 | 244 | |
| Niger | 28.9 | 9.8 | 1.1 | 3.0 | 1.3 | 0.9 | 84.0 | 0.0 | 100.0 | 37.6 | 527 | |
| Ogun | 74.0 | 3.2 | 1.3 | 1.1 | 3.7 | 1.6 | 89.1 | 0.0 | 100.0 | 76.0 | 132 | |
| Ondo | 66.0 | 4.8 | 1.5 | 1.9 | 7.9 | 2.2 | 81.7 | 0.0 | 100.0 | 69.4 | 163 | |
| Osun | 68.1 | 6.6 | 1.5 | 3.0 | 4.7 | 2.0 | 82.2 | 0.0 | 100.0 | 72.0 | 161 | |
| Oyo | 63.7 | 1.5 | 0.8 | 4.3 | 2.8 | 1.7 | 88.8 | 0.0 | 100.0 | 66.2 | 322 | |
| Plateau | 37.7 | 4.9 | 1.0 | 3.3 | 0.9 | 1.9 | 88.1 | 0.0 | 100.0 | 40.3 | 392 | |
| Rivers | 71.7 | 2.0 | 0.7 | 1.3 | 1.2 | 2.6 | 92.3 | 0.0 | 100.0 | 72.8 | 163 | |
| Sokoto | 9.9 | 1.4 | 0.0 | 0.7 | 0.1 | 0.8 | 97.0 | 0.0 | 100.0 | 11.5 | 409 | |
| Taraba | 17.2 | 1.2 | 2.1 | 0.3 | 0.4 | 0.0 | 96.0 | 0.0 | 100.0 | 19.2 | 173 | |
| Yobe | 8.7 | 2.5 | 0.8 | 1.1 | 0.7 | 6.1 | 88.8 | 0.0 | 100.0 | 12.2 | 410 | |
| Zamfara | 9.7 | 15.8 | 0.7 | 0.4 | 0.8 | 1.0 | 81.3 | 0.0 | 100.0 | 25.0 | 583 | |
| FCT Abuja | 58.5 | 2.1 | 1.0 | 3.1 | 1.4 | 1.3 | 91.0 | 0.0 | 100.0 | 62.7 | 89 | |

^a Health checks by any health provider following facility births (before discharge from facility) or following home births (before departure of provider from home).

^b Post-natal care visits (PNC) refer to a separate visit by any health provider to check on the health of the mother and provide preventive care services. PNC visits do not include health checks following birth while in facility or at home (see note ^a above).

^c Post-natal health checks include any health check performed while in the health facility or at home following birth (see note ^a above), as well as PNC visits (see note ^b above) within two days of delivery.

Table RH.16: Post-natal care visits for mothers within one week of birth

Percent distribution of women age 15-49 years with a live birth in the last two years who received a post-natal care (PNC) visit within one week of birth, by location and provider of the first PNC visit, Nigeria, 2016 -17

| | Location of first PNC visit for mothers | | | | Provider of first PNC visit for mothers | | | | | | | Number of women with a live birth in the last two years who received a PNC visit within one week of birth |
|--------------------------------------|---|---------------|----------------|----------------|---|-----------------------|-------------------|-------------------------|-----------------------------|-------------|--------------|---|
| | Home | Public Sector | Private sector | Other location | Total | Doctor/nurse/ midwife | Auxiliary midwife | Community health worker | Traditional birth attendant | Other | Total | |
| Total | 60.2 | 29.2 | 8.8 | 1.8 | 100.0 | 21.2 | 40.9 | 6.4 | 5.4 | 26.0 | 100.0 | 954 |
| Geopolitical zone | | | | | | | | | | | | |
| North Central | 58.6 | 28.5 | 12.6 | 0.2 | 100.0 | 27.7 | 37.7 | 4.8 | 3.2 | 26.5 | 100.0 | 192 |
| North East | 43.1 | 53.8 | 3.1 | 0.0 | 100.0 | 19.6 | 44.3 | 7.5 | 2.2 | 26.4 | 100.0 | 122 |
| North West | 66.1 | 31.8 | 1.4 | 0.6 | 100.0 | 20.4 | 27.0 | 9.5 | 11.7 | 31.4 | 100.0 | 282 |
| South East | 58.1 | 14.5 | 27.4 | 0.0 | 100.0 | 18.9 | 67.4 | 4.3 | 0.0 | 9.3 | 100.0 | 47 |
| South South | 67.4 | 22.3 | 9.0 | 1.3 | 100.0 | 8.6 | 44.2 | 2.4 | 5.2 | 39.6 | 100.0 | 150 |
| South West | 58.8 | 17.2 | 16.0 | 8.0 | 100.0 | 28.4 | 55.8 | 6.6 | 1.3 | 7.9 | 100.0 | 161 |
| Residence | | | | | | | | | | | | |
| Urban | 54.5 | 29.1 | 13.7 | 2.8 | 100.0 | 28.6 | 46.7 | 4.6 | 3.0 | 17.1 | 100.0 | 399 |
| Rural | 64.4 | 29.2 | 5.3 | 1.1 | 100.0 | 15.9 | 36.8 | 7.7 | 7.1 | 32.4 | 100.0 | 555 |
| Mother's age at birth (years) | | | | | | | | | | | | |
| Less than 20 | 77.9 | 19.8 | 1.5 | 0.8 | 100.0 | 13.5 | 33.8 | 8.8 | 3.7 | 40.2 | 100.0 | 124 |
| 20-34 | 56.2 | 32.4 | 9.8 | 1.6 | 100.0 | 22.4 | 41.8 | 6.5 | 5.6 | 23.7 | 100.0 | 659 |
| 35-49 | 63.0 | 23.4 | 10.4 | 3.3 | 100.0 | 22.4 | 42.9 | 4.5 | 5.8 | 24.4 | 100.0 | 171 |
| Place of delivery | | | | | | | | | | | | |
| Home | 76.6 | 19.8 | 3.0 | 0.7 | 100.0 | 11.3 | 28.8 | 7.9 | 8.0 | 44.0 | 100.0 | 487 |
| Health facility | 42.6 | 41.6 | 15.4 | 0.4 | 100.0 | 33.9 | 55.1 | 3.9 | 3.0 | 4.2 | 100.0 | 425 |
| Public | 36.3 | 61.9 | 1.5 | 0.3 | 100.0 | 30.3 | 55.1 | 5.5 | 4.6 | 4.5 | 100.0 | 264 |
| Private | 52.8 | 8.4 | 38.2 | 0.6 | 100.0 | 39.7 | 55.0 | 1.3 | 0.4 | 3.7 | 100.0 | 162 |
| Other/Missing/Don't know | 49.6 | 11.6 | 9.7 | 29.0 | 100.0 | 8.6 | 37.9 | 15.4 | 0.0 | 38.1 | 100.0 | 42 |
| Type of delivery | | | | | | | | | | | | |
| Vaginal birth | 62.1 | 27.9 | 8.2 | 1.9 | 100.0 | 19.2 | 41.6 | 6.5 | 5.7 | 27.1 | 100.0 | 914 |
| C-section | (18.6) | (57.9) | (23.5) | (0.0) | 100.0 | (67.9) | (24.8) | (5.5) | (0.0) | (1.9) | 100.0 | 40 |
| Education | | | | | | | | | | | | |
| None | 64.2 | 30.5 | 2.7 | 2.5 | 100.0 | 18.1 | 34.1 | 5.6 | 12.9 | 29.4 | 100.0 | 129 |
| Non-formal | 76.8 | 21.7 | 1.5 | 0.0 | 100.0 | 8.2 | 21.9 | 10.3 | 8.6 | 51.2 | 100.0 | 192 |
| Primary | 66.9 | 25.8 | 5.9 | 1.4 | 100.0 | 19.8 | 35.6 | 6.9 | 3.6 | 34.2 | 100.0 | 139 |
| Secondary | 52.8 | 31.4 | 12.7 | 3.1 | 100.0 | 22.9 | 52.1 | 6.1 | 3.1 | 15.8 | 100.0 | 386 |
| Higher | 44.0 | 36.9 | 19.2 | 0.0 | 100.0 | 44.0 | 50.1 | 1.2 | 1.6 | 3.1 | 100.0 | 108 |
| Wealth Index quintile | | | | | | | | | | | | |
| Poorest | 75.9 | 23.0 | 1.1 | 0.0 | 100.0 | 13.7 | 16.2 | 7.4 | 9.7 | 52.9 | 100.0 | 93 |
| Second | 71.5 | 25.9 | 2.2 | 0.4 | 100.0 | 11.6 | 23.5 | 10.9 | 13.1 | 40.9 | 100.0 | 159 |
| Middle | 61.5 | 32.9 | 3.6 | 2.1 | 100.0 | 17.0 | 43.6 | 6.1 | 4.8 | 28.5 | 100.0 | 212 |
| Fourth | 57.7 | 31.0 | 10.7 | 0.6 | 100.0 | 21.7 | 46.0 | 5.5 | 3.6 | 23.1 | 100.0 | 244 |
| Richest | 48.5 | 28.5 | 18.7 | 4.3 | 100.0 | 33.5 | 54.2 | 4.3 | 1.1 | 6.9 | 100.0 | 245 |
| Ethnicity of household head | | | | | | | | | | | | |
| Hausa | 62.4 | 33.1 | 4.0 | 0.4 | 100.0 | 22.9 | 27.8 | 8.3 | 8.5 | 32.5 | 100.0 | 421 |
| Igbo | 56.5 | 18.6 | 24.3 | 0.5 | 100.0 | 20.1 | 65.5 | 4.7 | 0.0 | 9.6 | 100.0 | 71 |
| Yoruba | 58.4 | 19.4 | 15.0 | 7.1 | 100.0 | 29.0 | 55.0 | 5.5 | 1.3 | 9.1 | 100.0 | 159 |
| Other ethnic group | 59.0 | 31.2 | 8.5 | 1.2 | 100.0 | 15.1 | 46.0 | 4.7 | 4.6 | 29.6 | 100.0 | 303 |

() Sample data are based on 25-49 unweighted cases

Table RH.17: Post-natal health checks for mothers and newborn

Percent distribution of women age 15-49 years with a live birth in the last two years by post-natal health checks for the mother and newborn, within two days of the most recent birth, Nigeria, 2016 -17

| | Post-natal health checks within two days of birth for: | | | | Missing /Don't know | Total | Number of women with a live birth in the last two years |
|--------------------------------------|---|-----------------|------------------|-------------------------------|---------------------------|--------------|---|
| | Both mothers and newborns | Mothers only | Newborns only | Neither mother nor newborn | | | |
| Total | 34.3 | 2.8 | 2.8 | 60.1 | 0.0 | 100.0 | 11,547 |
| Geopolitical zone | | | | | | | |
| North Central | 44.1 | 3.1 | 2.5 | 50.2 | 0.1 | 100.0 | 1,770 |
| North East | 23.0 | 1.7 | 1.5 | 73.8 | 0.0 | 100.0 | 2,394 |
| North West | 16.8 | 3.1 | 2.3 | 77.9 | 0.0 | 100.0 | 4,603 |
| South East | 61.3 | 3.2 | 4.7 | 30.7 | 0.0 | 100.0 | 620 |
| South South | 65.2 | 2.6 | 3.9 | 28.3 | 0.0 | 100.0 | 900 |
| South West | 70.4 | 3.5 | 5.7 | 20.5 | 0.0 | 100.0 | 1,261 |
| Residence | | | | | | | |
| Urban | 55.7 | 4.4 | 3.2 | 36.7 | 0.0 | 100.0 | 3,426 |
| Rural | 25.2 | 2.2 | 2.6 | 70.0 | 0.0 | 100.0 | 8,121 |
| Mother's age at birth (years) | | | | | | | |
| Less than 20 | 24.0 | 2.9 | 1.9 | 71.1 | 0.0 | 100.0 | 1,516 |
| 20-34 | 36.4 | 2.7 | 2.9 | 58.0 | 0.0 | 100.0 | 7,969 |
| 35-49 | 33.6 | 3.1 | 2.9 | 60.3 | 0.0 | 100.0 | 2,062 |
| Place of delivery | | | | | | | |
| Home | 8.2 | 1.9 | 2.2 | 87.6 | 0.0 | 100.0 | 6,952 |
| Health facility | 76.3 | 4.2 | 3.5 | 16.0 | 0.0 | 100.0 | 4,333 |
| Public | 75.7 | 4.8 | 3.6 | 16.0 | 0.0 | 100.0 | 2,823 |
| Private | 77.5 | 3.2 | 3.3 | 15.9 | 0.1 | 100.0 | 1,511 |
| Other/Missing/Don't know | 29.9 | 3.1 | 5.5 | 61.4 | 0.0 | 100.0 | 262 |
| Type of delivery | | | | | | | |
| Vaginal birth | 33.0 | 2.7 | 2.8 | 61.6 | 0.0 | 100.0 | 11,223 |
| C-section | 80.0 | 8.0 | 1.8 | 10.3 | 0.0 | 100.0 | 324 |
| Education | | | | | | | |
| None | 15.6 | 1.5 | 2.0 | 80.9 | 0.0 | 100.0 | 3,208 |
| Non-formal | 13.2 | 2.4 | 2.0 | 82.4 | 0.0 | 100.0 | 2,560 |
| Primary | 36.2 | 3.2 | 3.2 | 57.5 | 0.0 | 100.0 | 1,716 |
| Secondary | 56.2 | 4.1 | 3.7 | 35.9 | 0.1 | 100.0 | 3,182 |
| Higher | 80.4 | 3.6 | 3.7 | 12.3 | 0.0 | 100.0 | 882 |
| Wealthy Index quintile | | | | | | | |
| Poorest | 9.0 | 1.6 | 1.6 | 87.8 | 0.0 | 100.0 | 2,587 |
| Second | 18.9 | 1.9 | 2.5 | 76.7 | 0.0 | 100.0 | 2,548 |
| Middle | 32.6 | 3.2 | 3.1 | 61.1 | 0.0 | 100.0 | 2,270 |
| Fourth | 50.6 | 4.1 | 3.0 | 42.3 | 0.0 | 100.0 | 2,113 |
| Richest | 70.7 | 3.9 | 4.0 | 21.4 | 0.0 | 100.0 | 2,028 |
| Ethnicity of household head | | | | | | | |
| Hausa | 18.2 | 2.6 | 2.0 | 77.2 | 0.0 | 100.0 | 6,543 |
| Igbo | 65.5 | 3.7 | 4.0 | 26.8 | 0.0 | 100.0 | 923 |
| Yoruba | 69.7 | 3.7 | 6.0 | 20.5 | 0.0 | 100.0 | 1,096 |
| Other ethnic group | 46.8 | 2.7 | 2.9 | 47.6 | 0.1 | 100.0 | 2,985 |

Table RH.17: Post-natal health checks for mothers and newborns (continued)

Percent distribution of women age 15-49 years with a live birth in the last two years by post-natal health checks for the mother and newborn, within two days of the most recent birth, Nigeria, 2016 -17

| | Post-natal health checks within two days of birth for: | | | | | Total | Number of women with a live birth in the last two years |
|---------------|--|--------------|---------------|----------------------------|---------------------|--------------|---|
| | Both mothers and newborns | Mothers only | Newborns only | Neither mother nor newborn | Missing/ Don't know | | |
| Total | 34.3 | 2.8 | 2.8 | 60.1 | 0.0 | 100.0 | 11,547 |
| States | | | | | | | |
| Abia | 56.8 | 4.9 | 6.2 | 32.1 | 0.0 | 100.0 | 99 |
| Adamawa | 36.8 | 2.6 | 1.7 | 58.9 | 0.0 | 100.0 | 264 |
| Akwa Ibom | 62.1 | 1.2 | 2.8 | 33.9 | 0.0 | 100.0 | 228 |
| Anambra | 72.8 | 1.7 | 3.7 | 21.8 | 0.0 | 100.0 | 140 |
| Bauchi | 13.7 | 0.6 | 2.0 | 83.6 | 0.0 | 100.0 | 618 |
| Bayelsa | 46.7 | 5.2 | 2.1 | 46.0 | 0.0 | 100.0 | 73 |
| Benue | 52.9 | 2.5 | 1.0 | 43.6 | 0.0 | 100.0 | 271 |
| Borno | 34.6 | 3.2 | 0.8 | 61.4 | 0.0 | 100.0 | 692 |
| Cross River | 64.1 | 2.2 | 5.3 | 28.5 | 0.0 | 100.0 | 162 |
| Delta | 63.7 | 4.8 | 3.6 | 27.9 | 0.0 | 100.0 | 173 |
| Ebonyi | 45.8 | 2.9 | 7.8 | 43.4 | 0.0 | 100.0 | 111 |
| Edo | 79.8 | 3.2 | 3.4 | 13.6 | 0.0 | 100.0 | 101 |
| Ekiti | 57.4 | 4.1 | 7.8 | 30.7 | 0.0 | 100.0 | 54 |
| Enugu | 70.3 | 4.4 | 2.9 | 22.4 | 0.0 | 100.0 | 105 |
| Gombe | 21.6 | 1.5 | 2.5 | 74.4 | 0.0 | 100.0 | 236 |
| Imo | 58.9 | 2.9 | 3.8 | 34.4 | 0.0 | 100.0 | 164 |
| Jigawa | 15.6 | 2.4 | 1.5 | 80.4 | 0.0 | 100.0 | 595 |
| Kaduna | 34.5 | 2.2 | 2.4 | 60.9 | 0.0 | 100.0 | 663 |
| Kano | 13.1 | 4.3 | 4.4 | 78.3 | 0.0 | 100.0 | 1,038 |
| Katsina | 13.8 | 1.1 | 0.9 | 84.2 | 0.0 | 100.0 | 916 |
| Kebbi | 9.4 | 4.1 | 2.3 | 84.2 | 0.0 | 100.0 | 398 |
| Kogi | 65.1 | 4.6 | 1.6 | 27.4 | 1.3 | 100.0 | 133 |
| Kwara | 61.0 | 3.3 | 4.9 | 30.8 | 0.0 | 100.0 | 115 |
| Lagos | 79.5 | 3.3 | 6.4 | 10.8 | 0.0 | 100.0 | 429 |
| Nasarawa | 40.2 | 3.7 | 2.0 | 54.1 | 0.0 | 100.0 | 244 |
| Niger | 33.9 | 3.8 | 2.9 | 59.4 | 0.0 | 100.0 | 527 |
| Ogun | 72.9 | 3.1 | 3.6 | 20.4 | 0.0 | 100.0 | 132 |
| Ondo | 66.2 | 3.2 | 7.2 | 23.3 | 0.0 | 100.0 | 163 |
| Osun | 66.0 | 6.1 | 4.2 | 23.7 | 0.0 | 100.0 | 161 |
| Oyo | 63.7 | 2.6 | 5.1 | 28.7 | 0.0 | 100.0 | 322 |
| Plateau | 38.5 | 1.8 | 2.6 | 57.2 | 0.0 | 100.0 | 392 |
| Rivers | 71.7 | 1.0 | 5.4 | 21.8 | 0.0 | 100.0 | 163 |
| Sokoto | 9.2 | 2.4 | 1.0 | 87.5 | 0.0 | 100.0 | 409 |
| Taraba | 18.9 | 0.3 | 1.9 | 78.9 | 0.0 | 100.0 | 173 |
| Yobe | 11.1 | 1.1 | 1.0 | 86.8 | 0.0 | 100.0 | 410 |
| Zamfara | 19.5 | 5.5 | 2.2 | 72.8 | 0.0 | 100.0 | 583 |
| FCT Abuja | 59.7 | 3.0 | 3.2 | 34.1 | 0.0 | 100.0 | 89 |

IX. Early Childhood Development

Early Childhood Education

| Table CD.1: Early childhood education | | | | | | |
|--|--|--|---|---|-------------------------------------|--|
| Percentage of children age 36-59 months who are attending an organized early childhood education programme, Nigeria, 2016-17 | | | | | | |
| | Percentage of children age 36-59 months attending early childhood education ¹ | Percentage of children age 36-59 months attending early childhood education [Public] | Percentage of children age 36-59 months attending early childhood education [Private] | Percentage of children age 36-59 months attending early childhood education [Missing information on type of school] | Number of children age 36-59 months | |
| Total | 35.6 | 12.9 | 22.6 | 0.1 | 11,674 | |
| GeoPolitical zone | | | | | | |
| North Central | 36.7 | 13.8 | 22.9 | 0.0 | 1,986 | |
| North East | 13.3 | 7.0 | 6.3 | 0.0 | 2,559 | |
| North West | 19.5 | 12.2 | 7.1 | 0.2 | 4,360 | |
| South East | 81.4 | 25.7 | 55.7 | 0.0 | 631 | |
| South South | 78.0 | 20.8 | 57.2 | 0.0 | 937 | |
| South West | 82.2 | 13.6 | 68.6 | 0.0 | 1,201 | |
| Sex | | | | | | |
| Male | 35.7 | 13.1 | 22.5 | 0.1 | 5,906 | |
| Female | 35.4 | 12.7 | 22.7 | 0.1 | 5,767 | |
| Residence | | | | | | |
| Urban | 56.3 | 13.4 | 42.9 | 0.0 | 3,572 | |
| Rural | 26.4 | 12.7 | 13.7 | 0.1 | 8,102 | |
| Age of child (months) | | | | | | |
| 36-47 | 30.6 | 10.0 | 20.5 | 0.0 | 5,818 | |
| 48-59 | 40.5 | 15.7 | 24.7 | 0.1 | 5,856 | |
| Mother's education | | | | | | |
| None | 13.4 | 8.2 | 5.2 | 0.0 | 3,437 | |
| Non formal | 11.7 | 10.1 | 1.5 | 0.2 | 2,616 | |
| Primary | 39.8 | 19.0 | 20.8 | 0.0 | 1,876 | |
| Secondary | 66.1 | 17.7 | 48.3 | 0.1 | 2,847 | |
| Higher | 84.2 | 11.2 | 72.9 | 0.0 | 897 | |
| Missing/Don't know | 45.1 | 45.1 | 0.0 | 0.0 | 1 | |
| Wealth index quintile | | | | | | |
| Poorest | 7.6 | 6.2 | 1.4 | 0.0 | 2,704 | |
| Second | 16.3 | 11.2 | 5.1 | 0.0 | 2,485 | |
| Middle | 33.1 | 18.5 | 14.5 | 0.1 | 2,352 | |
| Fourth | 55.3 | 20.1 | 35.3 | 0.0 | 2,064 | |
| Richest | 78.2 | 10.1 | 68.0 | 0.1 | 2,069 | |
| Ethnicity of household head | | | | | | |
| Hausa | 16.5 | 10.3 | 6.1 | 0.1 | 6,465 | |
| Igbo | 80.8 | 20.9 | 59.9 | 0.0 | 930 | |
| Yoruba | 84.0 | 15.5 | 68.6 | 0.0 | 1,098 | |
| Other ethnic group | 44.3 | 14.9 | 29.4 | 0.0 | 3,180 | |

¹ MICS indicator 6.1 - Attendance to early childhood education

Table CD.1: Early childhood education (continued)

Percentage of children age 36-59 months who are attending an organized early childhood education programme, Nigeria, 2016-17

| | Percentage of children age 36-59 months attending early childhood education ¹ | Percentage of children age 36-59 months attending early childhood education [Public] | Percentage of children age 36-59 months attending early childhood education [Private] | Percentage of children age 36-59 months attending early childhood education [Missing information on type of school] | Number of children age 36-59 months |
|---|--|--|---|---|-------------------------------------|
| Total | 35.6 | 12.9 | 22.6 | 0.1 | 11674 |
| State | | | | | |
| Abia | 76.2 | 23.0 | 53.2 | 0.0 | 86 |
| Adamawa | 15.3 | 7.6 | 7.4 | 0.3 | 254 |
| Akwa Ibom | 74.6 | 18.7 | 55.9 | 0.0 | 244 |
| Anambra | 90.1 | 28.2 | 61.9 | 0.0 | 167 |
| Bauchi | 9.4 | 4.9 | 4.5 | 0.0 | 624 |
| Bayelsa | 62.9 | 20.1 | 42.8 | 0.0 | 79 |
| Benue | 46.5 | 11.6 | 34.9 | 0.0 | 319 |
| Borno | 20.7 | 10.3 | 10.5 | 0.0 | 818 |
| Cross River | 80.1 | 24.5 | 55.7 | 0.0 | 163 |
| Delta | 81.7 | 28.3 | 53.4 | 0.0 | 166 |
| Ebonyi | 42.8 | 25.8 | 16.9 | 0.0 | 104 |
| Edo | 79.2 | 12.6 | 66.6 | 0.0 | 116 |
| Ekiti | 97.1 | 38.3 | 58.8 | 0.0 | 53 |
| Enugu | 94.7 | 25.5 | 69.2 | 0.0 | 108 |
| Gombe | 12.0 | 8.8 | 3.2 | 0.0 | 213 |
| Imo | 90.9 | 24.4 | 66.4 | 0.0 | 165 |
| Jigawa | 11.1 | 9.0 | 1.8 | 0.3 | 559 |
| Kaduna | 51.1 | 28.5 | 22.4 | 0.2 | 687 |
| Kano | 18.1 | 9.5 | 8.5 | 0.1 | 929 |
| Katsina | 17.6 | 13.3 | 4.4 | 0.0 | 819 |
| Kebbi | 9.6 | 6.8 | 2.4 | 0.4 | 399 |
| Kogi | 46.8 | 13.3 | 33.5 | 0.0 | 173 |
| Kwara | 59.2 | 22.0 | 37.3 | 0.0 | 166 |
| Lagos | 85.2 | 6.1 | 79.0 | 0.0 | 412 |
| Nasarawa | 28.6 | 9.6 | 19.1 | 0.0 | 260 |
| Niger | 19.6 | 9.7 | 9.9 | 0.0 | 498 |
| Ogun | 87.4 | 18.6 | 68.8 | 0.0 | 125 |
| Ondo | 73.6 | 15.6 | 58.0 | 0.0 | 164 |
| Osun | 85.6 | 14.3 | 71.3 | 0.0 | 128 |
| Oyo | 76.9 | 15.8 | 61.1 | 0.0 | 320 |
| Plateau | 38.1 | 19.0 | 19.1 | 0.0 | 490 |
| Rivers | 83.1 | 18.8 | 64.3 | 0.0 | 168 |
| Sokoto | 4.6 | 2.9 | 1.7 | 0.0 | 429 |
| Taraba | 15.5 | 5.6 | 9.9 | 0.0 | 173 |
| Yobe | 4.4 | 3.5 | 1.0 | 0.0 | 477 |
| Zamfara | 12.3 | 9.1 | 3.0 | 0.2 | 539 |
| FCT Abuja | 52.7 | 15.1 | 37.6 | 0.0 | 80 |
| ¹ MICS indicator 6.1 - Attendance to early childhood education | | | | | |

Quality of Care

Table CD.2: Support for learning

Percentage of children age 36-59 months with whom adult household members engaged in activities that promote learning and school readiness during the last three days, and engagement in such activities by biological fathers and mothers, Nigeria, 2016-17

| | Percentage of children with whom adult household members have engaged in four or more activities ¹ | Mean number of activities with adult household members | Percentage of children living with their: | | Number of children age 36-59 months | Percentage of children with whom biological fathers have engaged in four or more activities ² | Mean number of activities with biological fathers | Number of children age 36-59 months living with their biological fathers | Percentage of children with whom biological mothers have engaged in four or more activities ³ | Mean number of activities with biological mothers | Number of children age 36-59 months living with their biological mothers | |
|---------------------------|---|--|---|-------------------|-------------------------------------|--|---|--|--|---|--|--|
| | | | Biological father | Biological mother | | | | | | | | |
| Total | 62.8 | 4.0 | 89.0 | 92.8 | 11,674 | 10.8 | 1.1 | 10387 | 28.1 | 2.2 | 10,836 | |
| GeoPolitical zone | | | | | | | | | | | | |
| North Central | 66.4 | 4.2 | 89.2 | 92.4 | 1,986 | 15.2 | 1.4 | 1771 | 30.3 | 2.4 | 1,834 | |
| North East | 49.3 | 3.3 | 90.8 | 92.4 | 2,559 | 5.0 | 0.7 | 2322 | 15.4 | 1.6 | 2,365 | |
| North West | 55.1 | 3.7 | 93.6 | 94.5 | 4,360 | 8.4 | 0.9 | 4080 | 19.8 | 1.6 | 4,121 | |
| South East | 86.6 | 5.1 | 78.6 | 90.9 | 631 | 19.9 | 1.7 | 496 | 56.0 | 3.5 | 574 | |
| South South | 85.8 | 5.1 | 74.2 | 89.4 | 937 | 19.0 | 1.6 | 695 | 52.1 | 3.3 | 838 | |
| South West | 82.7 | 4.8 | 85.2 | 92.0 | 1,201 | 13.8 | 1.4 | 1023 | 48.2 | 3.2 | 1,105 | |
| Sex | | | | | | | | | | | | |
| Male | 62.4 | 4.0 | 89.8 | 92.6 | 5,906 | 11.6 | 1.2 | 5303 | 27.5 | 2.1 | 5,468 | |
| Female | 63.1 | 4.0 | 88.2 | 93.1 | 5,767 | 10.0 | 1.0 | 5084 | 28.7 | 2.2 | 5,368 | |
| Residence | | | | | | | | | | | | |
| Urban | 76.0 | 4.5 | 88.0 | 92.8 | 3,572 | 16.2 | 1.4 | 3144 | 41.5 | 2.8 | 3,316 | |
| Rural | 56.9 | 3.8 | 89.4 | 92.8 | 8,102 | 8.5 | 1.0 | 7243 | 22.2 | 1.9 | 7,520 | |
| Age (months) | | | | | | | | | | | | |
| 36-47 | 62.1 | 4.0 | 89.1 | 93.3 | 5,818 | 10.4 | 1.1 | 5181 | 28.5 | 2.2 | 5,428 | |
| 48-59 | 63.4 | 4.0 | 88.9 | 92.3 | 5,856 | 11.3 | 1.1 | 5206 | 27.7 | 2.1 | 5,408 | |
| Mother's education | | | | | | | | | | | | |
| None | 47.9 | 3.4 | 89.5 | 90.2 | 3,437 | 6.8 | 0.8 | 3078 | 15.5 | 1.5 | 3,099 | |
| Non-formal | 50.0 | 3.4 | 92.7 | 93.8 | 2,616 | 3.7 | 0.6 | 2425 | 11.6 | 1.2 | 2,454 | |
| Primary | 66.1 | 4.1 | 87.7 | 92.6 | 1,876 | 9.3 | 1.1 | 1646 | 24.4 | 2.1 | 1,738 | |
| Secondary | 80.9 | 4.8 | 86.3 | 94.6 | 2,847 | 17.0 | 1.5 | 2457 | 49.1 | 3.2 | 2,694 | |
| Higher | 92.3 | 5.3 | 87.0 | 94.8 | 897 | 30.8 | 2.2 | 781 | 65.5 | 4.0 | 851 | |

Table CD.2: Support for learning (continued)

Percentage of children age 36-59 months with whom adult household members engaged in activities that promote learning and school readiness during the last three days, and engagement in such activities by biological fathers and mothers, Nigeria, 2016-17

| | Percentage of children with whom adult household members have engaged in four or more activities ¹ | Mean number of activities with adult household members | Percentage of children living with their: | | Number of children age 36-59 months | Percentage of children with whom biological fathers have engaged in four or more activities ² | Mean number of activities with biological fathers | Number of children age 36-59 months living with their biological fathers | Percentage of children with whom biological mothers have engaged in four or more activities ³ | Mean number of activities with biological mothers | Number of children age 36-59 months living with their biological mothers | |
|------------------------------------|---|--|---|-------------------|-------------------------------------|--|---|--|--|---|--|--|
| | | | Biological father | Biological mother | | | | | | | | |
| Father's education | | | | | | | | | | | | |
| None | 47.3 | 3.4 | 100.0 | 97.0 | 1,871 | 7.9 | 0.9 | 1871 | 16.9 | 1.7 | 1,814 | |
| Non-formal | 53.8 | 3.6 | 64.8 | 82.8 | 3,650 | 3.6 | 0.5 | 2363 | 17.2 | 1.5 | 3,022 | |
| Primary | 63.7 | 4.0 | 100.0 | 97.9 | 1,789 | 9.1 | 1.1 | 1789 | 27.5 | 2.1 | 1,751 | |
| Secondary | 73.3 | 4.5 | 100.0 | 96.7 | 2,783 | 15.4 | 1.4 | 2783 | 39.1 | 2.7 | 2,690 | |
| Higher | 82.4 | 4.8 | 100.0 | 98.6 | 1,556 | 25.2 | 2.0 | 1556 | 48.4 | 3.2 | 1,534 | |
| Missing/Don't know | 55.9 | 3.4 | 100.0 | 100.0 | 25 | 0.0 | 0.7 | 25 | 19.5 | 1.7 | 25 | |
| Wealth index quintile | | | | | | | | | | | | |
| Poorest | 45.5 | 3.3 | 93.5 | 93.6 | 2,704 | 5.4 | 0.7 | 2529 | 11.3 | 1.3 | 2,530 | |
| Second | 51.5 | 3.5 | 91.1 | 93.3 | 2,485 | 6.4 | 0.8 | 2265 | 17.9 | 1.6 | 2,319 | |
| Middle | 61.6 | 3.9 | 85.2 | 91.0 | 2,352 | 7.5 | 0.9 | 2004 | 23.9 | 1.9 | 2,139 | |
| Fourth | 75.9 | 4.5 | 84.0 | 91.4 | 2,064 | 13.9 | 1.3 | 1733 | 36.3 | 2.6 | 1,886 | |
| Richest | 87.1 | 5.1 | 89.7 | 94.8 | 2,069 | 23.9 | 1.9 | 1857 | 58.9 | 3.7 | 1,962 | |
| Ethnicity of household head | | | | | | | | | | | | |
| Hausa | 53.3 | 3.6 | 93.1 | 93.7 | 6,465 | 7.3 | 0.9 | 6019 | 18.5 | 1.6 | 6,057 | |
| Igbo | 85.7 | 5.1 | 83.1 | 92.8 | 930 | 20.8 | 1.8 | 773 | 57.8 | 3.6 | 863 | |
| Yoruba | 85.6 | 4.9 | 83.1 | 91.1 | 1,098 | 14.4 | 1.5 | 913 | 48.9 | 3.3 | 1,001 | |
| Other ethnic group | 67.5 | 4.2 | 84.4 | 91.7 | 3,180 | 13.8 | 1.3 | 2683 | 31.6 | 2.4 | 2,915 | |

¹ MICS indicator 6.2 - Support for learning

² MICS Indicator 6.3 - Father's support for learning

³ MICS Indicator 6.4 - Mother's support for learning

na: not applicable

^a The background characteristic "Mother's education" refers to the education level of the respondent to the Questionnaire for Children Under Five, and covers both mothers and primary caretakers, who are interviewed when the mother is not listed in the same household. Since indicator 6.4 reports on the biological mother's support for learning, this background characteristic refers to only the educational levels of biological mothers when calculated for the indicator in question.

Table CD.2: Support for learning (continued)

Percentage of children age 36-59 months with whom adult household members engaged in activities that promote learning and school readiness during the last three days, and engagement in such activities by biological fathers and mothers, Nigeria, 2016-17

| | Percentage of children with whom adult household members have engaged in four or more activities ¹ | Mean number of activities with adult household members | Percentage of children living with their: | | Number of children age 36-59 months | Percentage of children with whom biological fathers have engaged in four or more activities ² | | Mean number of activities with biological fathers | Number of children age 36-59 months living with their biological fathers | Percentage of children with whom biological mothers have engaged in four or more activities ³ | | Mean number of activities with biological mothers | Number of children age 36-59 months living with their biological mothers |
|--------------|---|--|---|-------------------|-------------------------------------|--|-------------------|---|--|--|---------------|---|--|
| | | | Biological father | Biological mother | | Biological father | Biological mother | | | | | | |
| Total | 62.8 | 4.0 | 89.0 | 92.8 | 11,674 | 10.8 | 1.1 | 10387 | 28.1 | 2.2 | 10,836 | | |
| State | | | | | | | | | | | | | |
| Abia | 87.4 | 5.2 | 86.6 | 92.7 | 86 | 9.1 | 1.1 | 75 | 57.7 | 3.7 | 80 | | |
| Adamawa | 65.2 | 4.1 | 91.5 | 93.5 | 254 | 16.4 | 1.5 | 232 | 46.2 | 3.2 | 237 | | |
| Akwa Ibom | 94.0 | 5.5 | 63.2 | 82.5 | 244 | 30.1 | 2.1 | 154 | 47.0 | 3.0 | 201 | | |
| Anambra | 89.5 | 5.3 | 79.0 | 90.0 | 167 | 24.2 | 1.9 | 132 | 62.4 | 3.8 | 150 | | |
| Bauchi | 45.9 | 3.4 | 96.6 | 93.4 | 624 | 7.6 | 1.1 | 603 | 20.0 | 2.1 | 583 | | |
| Bayelsa | 62.9 | 4.0 | 72.4 | 86.6 | 79 | 6.7 | 0.8 | 57 | 23.8 | 2.0 | 68 | | |
| Benue | 65.6 | 4.0 | 86.6 | 89.3 | 319 | 11.9 | 1.3 | 277 | 26.5 | 2.2 | 285 | | |
| Borno | 51.4 | 3.3 | 84.4 | 89.9 | 818 | 1.9 | 0.3 | 690 | 8.8 | 1.1 | 735 | | |
| Cross River | 86.4 | 5.0 | 76.6 | 90.4 | 163 | 10.0 | 1.4 | 125 | 52.5 | 3.3 | 147 | | |
| Delta | 79.2 | 4.6 | 76.7 | 93.8 | 166 | 12.4 | 1.3 | 128 | 54.3 | 3.3 | 156 | | |
| Ebonyi | 72.2 | 4.3 | 79.2 | 91.9 | 104 | 18.7 | 1.7 | 83 | 33.0 | 2.6 | 96 | | |
| Edo | 93.1 | 5.5 | 79.2 | 94.9 | 116 | 18.5 | 1.5 | 92 | 70.1 | 4.3 | 110 | | |
| Ekiti | 78.1 | 4.5 | 77.7 | 92.4 | 53 | 15.7 | 1.3 | 41 | 36.5 | 2.8 | 49 | | |
| Enugu | 84.0 | 5.0 | 83.9 | 95.0 | 108 | 24.9 | 2.0 | 91 | 65.3 | 3.8 | 103 | | |
| Gombe | 54.6 | 3.4 | 96.0 | 95.0 | 213 | 5.5 | 0.9 | 205 | 15.8 | 1.7 | 202 | | |
| Imo | 94.0 | 5.4 | 70.2 | 87.8 | 165 | 18.7 | 1.5 | 116 | 56.9 | 3.6 | 145 | | |
| Jigawa | 52.3 | 3.6 | 94.4 | 94.2 | 559 | 17.2 | 1.3 | 528 | 22.6 | 1.8 | 526 | | |
| Kaduna | 67.7 | 4.2 | 93.0 | 95.5 | 687 | 17.0 | 1.7 | 639 | 42.5 | 2.8 | 656 | | |
| Kano | 62.6 | 3.8 | 92.6 | 95.0 | 929 | 7.8 | 0.9 | 860 | 20.4 | 1.7 | 883 | | |
| Katsina | 58.7 | 4.0 | 95.2 | 94.1 | 819 | 3.5 | 0.6 | 780 | 14.2 | 1.3 | 771 | | |
| Kebbi | 38.3 | 3.0 | 95.0 | 94.4 | 399 | 7.9 | 1.3 | 379 | 9.7 | 1.3 | 377 | | |
| Kogi | 83.3 | 4.9 | 72.9 | 84.5 | 173 | 16.4 | 1.4 | 126 | 36.4 | 2.6 | 146 | | |
| Kwara | 77.9 | 4.9 | 88.1 | 95.3 | 166 | 21.9 | 2.1 | 146 | 48.6 | 3.4 | 158 | | |
| Lagos | 92.9 | 5.4 | 90.1 | 95.7 | 412 | 28.6 | 2.1 | 371 | 69.1 | 4.1 | 394 | | |
| Nasarawa | 61.9 | 4.0 | 90.6 | 92.5 | 260 | 20.0 | 1.9 | 235 | 29.9 | 2.6 | 241 | | |
| Niger | 55.2 | 3.8 | 97.0 | 95.7 | 498 | 2.8 | 0.8 | 483 | 13.2 | 1.8 | 476 | | |
| Ogun | 83.6 | 4.8 | 84.7 | 94.4 | 125 | 5.3 | 0.9 | 106 | 46.6 | 3.0 | 118 | | |
| Ondo | 75.9 | 4.4 | 75.8 | 87.4 | 164 | 7.3 | 1.1 | 124 | 44.3 | 2.9 | 143 | | |
| Osun | 87.3 | 5.0 | 78.7 | 85.8 | 128 | 11.0 | 1.3 | 101 | 40.1 | 2.9 | 110 | | |
| Oyo | 71.7 | 4.2 | 87.7 | 91.0 | 320 | 2.3 | 0.8 | 280 | 29.2 | 2.4 | 291 | | |
| Plateau | 71.1 | 4.2 | 87.6 | 92.2 | 490 | 23.8 | 1.6 | 429 | 40.3 | 2.8 | 452 | | |
| Rivers | 85.4 | 5.1 | 82.6 | 91.6 | 168 | 24.4 | 2.0 | 139 | 57.8 | 3.7 | 154 | | |
| Sokoto | 36.3 | 2.9 | 91.0 | 92.9 | 429 | 1.4 | 0.3 | 390 | 2.9 | 0.7 | 398 | | |
| Taraba | 52.8 | 3.2 | 88.8 | 89.9 | 173 | 3.4 | 0.4 | 154 | 17.8 | 1.4 | 156 | | |
| Yobe | 38.2 | 2.7 | 92.0 | 94.7 | 477 | 1.2 | 0.4 | 439 | 3.6 | 0.8 | 452 | | |
| Zamfara | 51.0 | 3.6 | 93.5 | 94.6 | 539 | 2.4 | 0.4 | 504 | 16.2 | 1.4 | 510 | | |
| FCT Abuja | 65.6 | 4.2 | 92.6 | 95.2 | 80 | 20.5 | 1.8 | 74 | 41.7 | 3.1 | 76 | | |

¹ MICS indicator 6.2 - Support for learning

² MICS Indicator 6.3 - Father's support for learning

³ MICS Indicator 6.4 - Mother's support for learning

na: not applicable

^a The background characteristic "Mother's education" refers to the education level of the respondent to the Questionnaire for Children Under Five, and covers both mothers and primary caretakers, who are interviewed when the mother is not listed in the same household. Since indicator 6.4 reports on the biological mother's support for learning, this background characteristic refers to only the educational levels of biological mothers when calculated for the indicator in question.

Table CD.3: Learning materials

Percentage of children under age 5 by numbers of children's books present in the household, and by playthings that child plays with, Nigeria, 2016-17

| | Percentage of children living in households that have for the child: | | | Percentage of children who play with: | | | Number of children under age 5 |
|------------------------------------|--|-----------------------------|----------------|---------------------------------------|--|--|--------------------------------|
| | 3 or more children's books ¹ | 10 or more children's books | Home made toys | Toys from a shop /manufactured toys | Household objects /objects found outside | Two or more types of playthings ² | |
| Total | 5.6 | 0.5 | 47.1 | 30.1 | 62.1 | 45.7 | 28,085 |
| GeoPolitical zone | | | | | | | |
| North Central | 5.1 | 0.4 | 46.9 | 22.8 | 70.1 | 46.5 | 4,616 |
| North East | 1.9 | 0.0 | 39.0 | 19.1 | 58.9 | 33.8 | 6,041 |
| North West | 1.8 | 0.1 | 49.8 | 25.0 | 62.0 | 46.6 | 10,635 |
| South East | 15.7 | 1.4 | 49.4 | 41.2 | 54.9 | 48.1 | 1,550 |
| South South | 15.6 | 1.3 | 51.0 | 49.7 | 60.8 | 55.3 | 2,273 |
| South West | 14.9 | 1.7 | 50.3 | 61.6 | 60.9 | 57.0 | 2,968 |
| Sex | | | | | | | |
| Male | 5.5 | 0.5 | 47.3 | 30.1 | 62.9 | 45.8 | 14,213 |
| Female | 5.8 | 0.5 | 46.9 | 30.1 | 61.3 | 45.6 | 13,872 |
| Residence | | | | | | | |
| Urban | 12.2 | 1.2 | 53.0 | 49.5 | 59.0 | 54.2 | 8,553 |
| Rural | 2.8 | 0.1 | 44.5 | 21.6 | 63.4 | 42.0 | 19,532 |
| Age (months) | | | | | | | |
| 0-23 | 1.0 | 0.1 | 32.3 | 24.2 | 39.2 | 29.8 | 10,898 |
| 24-59 | 8.6 | 0.7 | 56.5 | 33.8 | 76.6 | 55.8 | 17,187 |
| Mother's education | | | | | | | |
| None | 0.8 | 0.0 | 41.9 | 14.8 | 62.8 | 37.8 | 8,134 |
| Non-formal | 0.8 | 0.0 | 46.2 | 19.6 | 63.6 | 42.2 | 6,196 |
| Primary | 4.1 | 0.1 | 47.1 | 27.7 | 66.7 | 46.0 | 4,330 |
| Secondary | 10.5 | 0.5 | 50.4 | 45.0 | 60.7 | 52.3 | 7,245 |
| Higher | 24.4 | 4.1 | 58.0 | 72.5 | 50.1 | 62.5 | 2,178 |
| Wealth index quintile | | | | | | | |
| Poorest | 0.3 | 0.0 | 42.8 | 11.6 | 62.6 | 37.9 | 6,369 |
| Second | 0.9 | 0.0 | 42.8 | 16.1 | 63.2 | 38.7 | 6,018 |
| Middle | 2.7 | 0.1 | 46.2 | 25.0 | 66.5 | 44.8 | 5,549 |
| Fourth | 7.0 | 0.1 | 50.4 | 39.3 | 63.9 | 50.6 | 5,156 |
| Richest | 19.8 | 2.4 | 55.4 | 66.9 | 53.2 | 59.9 | 4,993 |
| Ethnicity of household head | | | | | | | |
| Hausa | 1.7 | 0.1 | 47.6 | 22.7 | 62.2 | 43.3 | 15,592 |
| Igbo | 17.0 | 1.4 | 48.9 | 48.2 | 53.7 | 49.4 | 2,310 |
| Yoruba | 15.2 | 1.4 | 52.1 | 59.2 | 63.4 | 58.6 | 2,640 |
| Other ethnic group | 6.9 | 0.7 | 43.8 | 29.6 | 63.8 | 45.0 | 7,543 |

¹ MICS indicator 6.5 - Availability of children's books² MICS indicator 6.6 - Availability of playthings

Table CD.3: Learning materials (continued)

Percentage of children under age 5 by numbers of children's books present in the household, and by playthings that child plays with, Nigeria, 2016-17

| | Percentage of children living in households that have for the child: | | Percentage of children who play with: | | | | Number of children under age 5 |
|--------------|--|-----------------------------|---------------------------------------|------------------------------------|---|--|--------------------------------|
| | 3 or more children's books ¹ | 10 or more children's books | Homemade toys | Toys from a shop/manufactured toys | Household objects/objects found outside | Two or more types of playthings ² | |
| Total | 5.6 | 0.5 | 47.1 | 30.1 | 62.1 | 45.7 | 28,085 |
| State | | | | | | | |
| Abia | 14.9 | 3.6 | 49.7 | 38.7 | 59.9 | 47.5 | 224 |
| Adamawa | 1.8 | 0.1 | 22.1 | 22.6 | 32.4 | 19.4 | 624 |
| Akwa Ibom | 10.7 | 1.8 | 42.7 | 52.8 | 57.9 | 50.6 | 600 |
| Anambra | 25.2 | 1.4 | 49.1 | 44.8 | 56.6 | 50.9 | 383 |
| Bauchi | 0.5 | 0.0 | 32.9 | 12.0 | 59.9 | 26.6 | 1,524 |
| Bayelsa | 10.0 | 0.3 | 44.3 | 35.9 | 81.2 | 52.7 | 177 |
| Benue | 6.7 | 0.4 | 40.2 | 13.1 | 67.8 | 38.5 | 697 |
| Borno | 4.4 | 0.0 | 58.6 | 32.6 | 69.7 | 55.7 | 1,851 |
| Cross River | 12.2 | 0.6 | 60.4 | 41.5 | 80.6 | 63.1 | 393 |
| Delta | 18.3 | 2.3 | 49.1 | 43.8 | 63.4 | 52.4 | 409 |
| Ebonyi | 6.5 | 1.1 | 49.4 | 39.3 | 48.0 | 47.7 | 271 |
| Edo | 23.9 | 1.1 | 61.8 | 61.5 | 41.0 | 60.7 | 281 |
| Ekiti | 11.9 | 0.0 | 42.2 | 38.7 | 64.0 | 45.3 | 125 |
| Enugu | 12.9 | 0.7 | 62.1 | 40.0 | 64.9 | 56.8 | 268 |
| Gombe | 0.4 | 0.1 | 26.1 | 15.3 | 71.0 | 27.4 | 534 |
| Imo | 15.1 | 0.7 | 41.1 | 41.3 | 48.4 | 40.4 | 405 |
| Jigawa | 0.2 | 0.0 | 54.5 | 20.4 | 65.9 | 51.7 | 1,399 |
| Kaduna | 5.3 | 0.2 | 54.7 | 42.8 | 66.1 | 55.5 | 1,607 |
| Kano | 1.6 | 0.1 | 54.1 | 30.2 | 65.1 | 52.7 | 2,325 |
| Katsina | 1.1 | 0.1 | 51.3 | 21.5 | 53.0 | 41.4 | 2,066 |
| Kebbi | 1.7 | 0.4 | 36.0 | 21.6 | 57.6 | 35.8 | 935 |
| Kogi | 6.9 | 0.5 | 59.7 | 43.8 | 64.0 | 55.7 | 372 |
| Kwara | 7.7 | 0.5 | 56.4 | 23.4 | 73.7 | 54.7 | 358 |
| Lagos | 21.1 | 3.8 | 55.2 | 74.8 | 49.8 | 57.8 | 1,054 |
| Nasarawa | 2.6 | 0.0 | 43.1 | 18.0 | 69.2 | 38.4 | 607 |
| Niger | 2.7 | 0.1 | 43.7 | 22.6 | 74.7 | 46.7 | 1,270 |
| Ogun | 7.0 | 0.8 | 48.5 | 67.4 | 61.0 | 57.5 | 295 |
| Ondo | 14.9 | 0.8 | 50.3 | 51.1 | 60.9 | 53.6 | 408 |
| Osun | 11.7 | 0.9 | 41.8 | 57.5 | 75.6 | 57.3 | 342 |
| Oyo | 11.2 | 0.4 | 49.4 | 52.0 | 69.3 | 59.5 | 745 |
| Plateau | 5.7 | 0.7 | 49.8 | 20.2 | 71.1 | 50.1 | 1,103 |
| Rivers | 20.3 | 1.1 | 51.3 | 57.0 | 48.4 | 54.7 | 412 |
| Sokoto | 0.5 | 0.0 | 29.4 | 11.2 | 56.1 | 26.9 | 975 |
| Taraba | 1.5 | 0.0 | 29.2 | 7.9 | 54.2 | 26.5 | 422 |
| Yobe | 0.5 | 0.1 | 34.0 | 10.3 | 50.1 | 21.1 | 1,085 |
| Zamfara | 1.7 | 0.1 | 53.6 | 17.0 | 69.1 | 49.6 | 1,328 |
| FCT Abuja | 11.4 | 0.9 | 44.7 | 44.9 | 52.3 | 45.1 | 209 |

¹ MICS indicator 6.5 - Availability of children's books² MICS indicator 6.6 - Availability of playthings

Table CD.4: Inadequate care

Percentage of children under age 5 left alone or left in the care of another child younger than 10 years of age for more than one hour at least once during the past week, Nigeria, 2016-17

| | Percentage of children under age 5: | | | Number of children under age 5 |
|------------------------------------|-------------------------------------|---|---|--------------------------------|
| | Left alone in the past week | Left in the care of another child younger than 10 years of age in the past week | Left with inadequate care in the past week ¹ | |
| Total | 26.5 | 23.1 | 31.7 | 28,085 |
| GeoPolitical zone | | | | |
| North Central | 33.5 | 30.1 | 39.2 | 4,616 |
| North East | 18.2 | 17.5 | 23.4 | 6,041 |
| North West | 27.0 | 23.5 | 30.7 | 10,635 |
| South East | 36.7 | 28.1 | 42.7 | 1,550 |
| South South | 27.9 | 28.8 | 39.3 | 2,273 |
| South West | 24.4 | 15.4 | 29.3 | 2,968 |
| Sex | | | | |
| Male | 26.9 | 23.6 | 32.2 | 14,213 |
| Female | 26.1 | 22.6 | 31.2 | 13,872 |
| Residence | | | | |
| Urban | 26.6 | 21.5 | 31.2 | 8,553 |
| Rural | 26.5 | 23.8 | 32.0 | 19,532 |
| Age (months) | | | | |
| 0-23 | 14.6 | 13.2 | 18.2 | 10,898 |
| 24-59 | 34.1 | 29.4 | 40.3 | 17,187 |
| Mother's education | | | | |
| None | 23.7 | 21.4 | 27.9 | 8,134 |
| Non-formal | 27.3 | 25.3 | 31.9 | 6,196 |
| Primary | 27.9 | 24.9 | 34.2 | 4,330 |
| Secondary | 28.1 | 23.3 | 34.6 | 7,245 |
| Higher | 26.5 | 19.6 | 31.4 | 2,178 |
| Wealth index quintile | | | | |
| Poorest | 27.2 | 23.5 | 30.8 | 6,369 |
| Second | 26.2 | 24.1 | 31.2 | 6,018 |
| Middle | 26.6 | 24.6 | 32.2 | 5,549 |
| Fourth | 27.2 | 24.1 | 34.7 | 5,156 |
| Richest | 25.2 | 18.8 | 30.1 | 4,993 |
| Ethnicity of household head | | | | |
| Hausa | 25.5 | 22.8 | 29.6 | 15,592 |
| Igbo | 32.9 | 25.8 | 39.1 | 2,310 |
| Yoruba | 24.5 | 16.3 | 29.7 | 2,640 |
| Other ethnic group | 27.4 | 25.4 | 34.5 | 7,543 |

¹ MICS indicator 6.7 - Inadequate care

Table CD.4: Inadequate care (continued)

Percentage of children under age 5 left alone or left in the care of another child younger than 10 years of age for more than one hour at least once during the past week, Nigeria, 2016-17

| | Percentage of children under age 5: | | | Number of children under age 5 |
|--------------|-------------------------------------|---|---|--------------------------------|
| | Left alone in the past week | Left in the care of another child younger than 10 years of age in the past week | Left with inadequate care in the past week ¹ | |
| Total | 26.5 | 23.1 | 31.7 | 28,085 |
| State | | | | |
| Abia | 30.9 | 20.3 | 36.1 | 224 |
| Adamawa | 12.2 | 13.9 | 16.2 | 624 |
| Akwa Ibom | 31.6 | 27.9 | 40.2 | 600 |
| Anambra | 26.5 | 22.3 | 29.9 | 383 |
| Bauchi | 12.8 | 6.8 | 14.2 | 1,524 |
| Bayelsa | 22.9 | 30.0 | 36.5 | 177 |
| Benue | 31.9 | 28.9 | 41.7 | 697 |
| Borno | 19.6 | 21.6 | 28.8 | 1,851 |
| Cross River | 30.8 | 45.1 | 53.4 | 393 |
| Delta | 31.1 | 23.6 | 38.7 | 409 |
| Ebonyi | 28.6 | 22.2 | 34.2 | 271 |
| Edo | 18.9 | 15.0 | 22.3 | 281 |
| Ekiti | 27.5 | 22.3 | 31.3 | 125 |
| Enugu | 41.8 | 31.0 | 50.1 | 268 |
| Gombe | 22.9 | 18.8 | 27.2 | 534 |
| Imo | 51.4 | 39.9 | 59.2 | 405 |
| Jigawa | 30.9 | 25.5 | 34.2 | 1,399 |
| Kaduna | 24.1 | 22.2 | 27.8 | 1,607 |
| Kano | 19.1 | 16.9 | 21.9 | 2,325 |
| Katsina | 32.7 | 29.0 | 37.7 | 2,066 |
| Kebbi | 27.6 | 24.8 | 31.0 | 935 |
| Kogi | 28.3 | 21.3 | 31.6 | 372 |
| Kwara | 14.5 | 13.6 | 18.8 | 358 |
| Lagos | 21.0 | 8.6 | 23.3 | 1,054 |
| Nasarawa | 35.1 | 30.7 | 39.3 | 607 |
| Niger | 45.6 | 39.6 | 49.3 | 1,270 |
| Ogun | 22.3 | 17.2 | 29.0 | 295 |
| Ondo | 29.7 | 25.3 | 40.8 | 408 |
| Osun | 35.3 | 27.0 | 40.7 | 342 |
| Oyo | 21.5 | 12.4 | 26.1 | 745 |
| Plateau | 28.8 | 29.1 | 35.6 | 1,103 |
| Rivers | 24.7 | 28.8 | 37.7 | 412 |
| Sokoto | 22.6 | 18.0 | 25.0 | 975 |
| Taraba | 25.6 | 33.5 | 35.5 | 422 |
| Yobe | 21.5 | 20.8 | 24.9 | 1,085 |
| Zamfara | 34.3 | 29.0 | 39.0 | 1,328 |
| FCT Abuja | 26.5 | 25.1 | 36.8 | 209 |

¹ MICS indicator 6.7 - Inadequate care

Developmental Status of Children

Table CD.5: Early child development index

Percentage of children age 36-59 months who are developmentally on track in literacy-numeracy, physical, social-emotional, and learning domains, and the early child development index score, Nigeria, 2016-17

| | Percentage of children age 36-59 months who are developmentally on track for indicated domains | | | | Early child development index score ¹ | Number of children age 36-59 months |
|--|--|-------------|------------------|-------------|--|-------------------------------------|
| | Literacy-numeracy | Physical | Social-Emotional | Learning | | |
| Total | 29.3 | 89.8 | 71.3 | 77.7 | 61.2 | 11,674 |
| GeoPolitical zone | | | | | | |
| North Central | 29.7 | 91.2 | 77.0 | 77.5 | 67.3 | 1,986 |
| North East | 12.7 | 86.0 | 68.4 | 71.2 | 52.0 | 2,559 |
| North West | 14.6 | 90.1 | 67.0 | 75.7 | 51.3 | 4,360 |
| South East | 69.5 | 92.9 | 80.1 | 81.9 | 82.7 | 631 |
| South South | 65.0 | 92.0 | 68.8 | 87.8 | 77.1 | 937 |
| South West | 68.6 | 91.5 | 80.7 | 88.5 | 83.1 | 1,201 |
| Sex | | | | | | |
| Male | 28.4 | 90.5 | 70.1 | 77.3 | 60.2 | 5,906 |
| Female | 30.3 | 89.1 | 72.5 | 78.0 | 62.2 | 5,767 |
| Residence | | | | | | |
| Urban | 50.6 | 92.4 | 73.1 | 84.6 | 74.3 | 3,572 |
| Rural | 20.0 | 88.7 | 70.5 | 74.6 | 55.4 | 8,102 |
| Age (months) | | | | | | |
| 36-47 | 22.6 | 87.5 | 70.1 | 72.4 | 54.9 | 5,818 |
| 48-59 | 36.0 | 92.1 | 72.5 | 82.9 | 67.5 | 5,856 |
| Attendance to early childhood education | | | | | | |
| Attending | 68.3 | 94.0 | 74.2 | 89.2 | 82.0 | 4,150 |
| Not attending | 7.8 | 87.5 | 69.7 | 71.3 | 49.7 | 7,524 |
| Mother's education | | | | | | |
| None | 9.5 | 86.6 | 70.8 | 70.0 | 48.7 | 3,437 |
| Non-formal | 8.0 | 89.2 | 68.0 | 75.8 | 50.7 | 2,616 |
| Primary | 31.6 | 90.9 | 71.8 | 77.0 | 63.9 | 1,876 |
| Secondary | 56.2 | 92.5 | 72.7 | 84.9 | 75.9 | 2,847 |
| Higher | 77.6 | 93.6 | 76.9 | 90.7 | 87.5 | 897 |
| Wealth index quintile | | | | | | |
| Poorest | 4.5 | 87.4 | 70.8 | 72.8 | 47.1 | 2,704 |
| Second | 10.0 | 87.1 | 69.7 | 72.1 | 49.6 | 2,485 |
| Middle | 24.3 | 90.7 | 67.8 | 74.0 | 58.3 | 2,352 |
| Fourth | 47.8 | 91.6 | 73.0 | 82.7 | 72.7 | 2,064 |
| Richest | 72.4 | 93.7 | 76.0 | 89.7 | 85.4 | 2,069 |
| Ethnicity of household head | | | | | | |
| Hausa | 13.2 | 88.5 | 67.5 | 73.6 | 51.1 | 6,465 |
| Igbo | 69.4 | 93.3 | 78.9 | 83.7 | 81.3 | 930 |
| Yoruba | 69.3 | 91.1 | 77.9 | 87.6 | 81.7 | 1,098 |
| Other ethnic group | 36.6 | 91.0 | 74.4 | 80.8 | 68.9 | 3,180 |

¹ MICS indicator 6.8 - Early child development index

Table CD.5: Early child development index (continued)

Percentage of children age 36-59 months who are developmentally on track in literacy-numeracy, physical, social-emotional, and learning domains, and the early child development index score, Nigeria, 2016-17

| | Percentage of children age 36-59 months who are developmentally on track for indicated domains | | | | Early child development index score ¹ | Number of children age 36-59 months |
|--------------|--|-------------|------------------|-------------|--|-------------------------------------|
| | Literacy-numeracy | Physical | Social-Emotional | Learning | | |
| Total | 29.3 | 89.8 | 71.3 | 77.7 | 61.2 | 11,674 |
| State | | | | | | |
| Abia | 74.3 | 91.7 | 84.2 | 81.6 | 82.5 | 86 |
| Adamawa | 17.6 | 85.5 | 68.3 | 74.6 | 51.2 | 254 |
| Akwa Ibom | 67.2 | 88.5 | 63.4 | 79.7 | 73.7 | 244 |
| Anambra | 85.5 | 94.5 | 76.1 | 85.8 | 89.9 | 167 |
| Bauchi | 5.6 | 76.4 | 62.8 | 51.1 | 27.9 | 624 |
| Bayelsa | 46.3 | 95.4 | 72.5 | 89.1 | 77.4 | 79 |
| Benue | 28.3 | 87.9 | 65.8 | 60.4 | 52.7 | 319 |
| Borno | 19.6 | 96.3 | 69.6 | 75.8 | 66.1 | 818 |
| Cross River | 45.7 | 84.8 | 43.5 | 91.0 | 58.5 | 163 |
| Delta | 61.5 | 93.1 | 69.1 | 90.4 | 76.8 | 166 |
| Ebonyi | 37.8 | 94.5 | 87.4 | 80.8 | 74.0 | 104 |
| Edo | 86.2 | 96.1 | 88.4 | 90.8 | 93.5 | 116 |
| Ekiti | 64.7 | 88.2 | 83.4 | 88.3 | 78.2 | 53 |
| Enugu | 75.3 | 90.6 | 88.2 | 83.1 | 85.2 | 108 |
| Gombe | 15.5 | 85.2 | 55.5 | 84.4 | 50.4 | 213 |
| Imo | 66.9 | 92.2 | 72.0 | 77.8 | 79.3 | 165 |
| Jigawa | 13.8 | 88.7 | 76.0 | 72.7 | 50.5 | 559 |
| Kaduna | 32.9 | 88.8 | 50.5 | 60.5 | 43.3 | 687 |
| Kano | 15.6 | 91.0 | 76.0 | 81.4 | 61.0 | 929 |
| Katsina | 10.5 | 93.4 | 67.5 | 82.5 | 55.7 | 819 |
| Kebbi | 11.4 | 92.7 | 71.7 | 73.7 | 53.0 | 399 |
| Kogi | 51.7 | 89.2 | 80.2 | 82.5 | 73.6 | 173 |
| Kwara | 51.9 | 84.4 | 66.0 | 81.1 | 65.4 | 166 |
| Lagos | 80.5 | 93.9 | 83.9 | 91.9 | 89.9 | 412 |
| Nasarawa | 21.3 | 85.8 | 69.1 | 80.3 | 59.2 | 260 |
| Niger | 15.5 | 95.0 | 89.6 | 82.3 | 77.9 | 498 |
| Ogun | 65.6 | 95.9 | 88.9 | 91.5 | 91.7 | 125 |
| Ondo | 60.7 | 93.7 | 62.8 | 75.2 | 66.7 | 164 |
| Osun | 66.0 | 94.4 | 70.8 | 89.1 | 80.2 | 128 |
| Oyo | 60.4 | 84.9 | 86.1 | 89.5 | 81.5 | 320 |
| Plateau | 30.1 | 94.7 | 78.1 | 77.1 | 66.6 | 490 |
| Rivers | 78.2 | 98.5 | 85.8 | 90.9 | 89.1 | 168 |
| Sokoto | 4.3 | 94.2 | 78.0 | 61.3 | 44.4 | 429 |
| Taraba | 22.1 | 78.6 | 75.1 | 77.6 | 51.7 | 173 |
| Yobe | 3.0 | 84.1 | 77.2 | 79.7 | 60.7 | 477 |
| Zamfara | 7.4 | 81.9 | 50.4 | 91.2 | 42.8 | 539 |
| FCT Abuja | 54.5 | 95.3 | 76.8 | 92.3 | 81.3 | 80 |

¹ MICS indicator 6.8 - Early child development index

X. Literacy and Education

Literacy among Young Women and Men

| Table ED.1: Literacy (young women) | | | |
|--|----------------------------------|----------------------|---------------------------------|
| Percentage of women age 15-24 years who are literate, Nigeria, 2016-17 | | | |
| | Percentage literate ¹ | Percentage not known | Number of women age 15-24 years |
| Total | 59.3 | 2.8 | 12,637 |
| Geopolitical zone | | | |
| North Central | 62.0 | 1.2 | 2,212 |
| North East | 41.9 | 3.6 | 2,533 |
| North West | 38.0 | 5.6 | 4,208 |
| South East | 95.4 | 0.0 | 921 |
| South South | 94.8 | 0.0 | 1,290 |
| South West | 92.6 | 0.3 | 1,474 |
| Residence | | | |
| Urban | 84.0 | 1.8 | 4,631 |
| Rural | 45.1 | 3.4 | 8,007 |
| Education | | | |
| None | 0.3 | 2.1 | 2,215 |
| Non-formal | 1.4 | 14.5 | 1,734 |
| Primary | 7.1 | 4.6 | 1,313 |
| Secondary | 100.0 | 0.0 | 6,501 |
| Higher | 100.0 | 0.0 | 874 |
| Age (years) | | | |
| 15-19 | 63.6 | 3.0 | 6,822 |
| 20-24 | 54.3 | 2.7 | 5,816 |
| Wealth index quintile | | | |
| Poorest | 13.5 | 5.5 | 1,988 |
| Second | 31.6 | 4.5 | 2,507 |
| Middle | 56.4 | 4.2 | 2,711 |
| Fourth | 84.5 | 0.7 | 2,636 |
| Richest | 95.9 | 0.3 | 2,796 |
| Ethnicity of household head | | | |
| Hausa | 35.9 | 4.7 | 6,088 |
| Igbo | 93.9 | 0.3 | 1,256 |
| Yoruba | 94.1 | 0.1 | 1,424 |
| Other ethnic group | 72.2 | 1.7 | 3,869 |
| ¹ MICS indicator 7.1; MDG indicator 2.3 - Literacy rate among young women | | | |

Table ED.1: Literacy (young women) (continued)

Percentage of women age 15-24 years who are literate, Nigeria, 2016-17

| | Percentage literate ¹ | Percentage not known | Number of women age 15-24 years |
|--|----------------------------------|----------------------|---------------------------------|
| Total | 59.3 | 2.8 | 12,637 |
| State | | | |
| Abia | 98.2 | 0.0 | 108 |
| Adamawa | 50.6 | 0.4 | 310 |
| Akwa Ibom | 94.6 | 0.1 | 325 |
| Anambra | 98.1 | 0.0 | 228 |
| Bauchi | 25.6 | 2.2 | 607 |
| Bayelsa | 95.8 | 0.0 | 90 |
| Benue | 69.9 | 0.5 | 368 |
| Borno | 56.4 | 3.7 | 783 |
| Cross River | 94.3 | 0.0 | 248 |
| Delta | 91.0 | 0.0 | 202 |
| Ebonyi | 83.4 | 0.0 | 167 |
| Edo | 94.9 | 0.0 | 163 |
| Ekiti | 96.7 | 0.0 | 67 |
| Enugu | 97.9 | 0.0 | 198 |
| Gombe | 37.5 | 2.6 | 232 |
| Imo | 98.2 | 0.0 | 220 |
| Jigawa | 24.8 | 1.1 | 481 |
| Kaduna | 54.4 | 6.6 | 859 |
| Kano | 46.1 | 4.6 | 971 |
| Katsina | 32.6 | 3.9 | 729 |
| Kebbi | 30.9 | 0.3 | 361 |
| Kogi | 86.3 | 0.3 | 249 |
| Kwara | 73.5 | 0.0 | 155 |
| Lagos | 93.1 | 0.3 | 488 |
| Nasarawa | 56.0 | 1.6 | 283 |
| Niger | 37.6 | 1.3 | 534 |
| Ogun | 90.7 | 0.4 | 155 |
| Ondo | 91.4 | 0.2 | 206 |
| Osun | 94.7 | 0.7 | 250 |
| Oyo | 90.7 | 0.0 | 308 |
| Plateau | 65.1 | 2.6 | 497 |
| Rivers | 98.1 | 0.0 | 262 |
| Sokoto | 20.1 | 13.2 | 320 |
| Taraba | 53.1 | 1.9 | 207 |
| Yobe | 28.3 | 9.8 | 393 |
| Zamfara | 31.0 | 11.6 | 486 |
| FCT Abuja | 81.3 | 0.5 | 126 |
| ¹ MICS indicator 7.1; MDG indicator 2.3 - Literacy rate among young women | | | |

Table ED.1M: Literacy (young men)

Percentage of men age 15-24 years who are literate, Nigeria, 2016-17

| | Percentage literate ¹ | Percentage not known | Number of men age 15-24 years |
|---|----------------------------------|----------------------|-------------------------------|
| Total | 70.9 | 2.8 | 5,887 |
| Geopolitical zone | | | |
| North Central | 76.4 | 2.0 | 1,105 |
| North East | 53.1 | 0.8 | 1,193 |
| North West | 57.5 | 6.8 | 1,869 |
| South East | 94.3 | 0.0 | 384 |
| South South | 95.0 | 0.2 | 601 |
| South West | 93.7 | 0.8 | 735 |
| Residence | | | |
| Urban | 88.9 | 1.1 | 2,128 |
| Rural | 60.7 | 3.8 | 3,759 |
| Education | | | |
| None | 0.6 | 2.1 | 537 |
| Non-formal | 1.7 | 17.8 | 673 |
| Primary | 8.3 | 5.9 | 563 |
| Secondary | 100.0 | 0.0 | 3,568 |
| Higher | 100.0 | 0.0 | 544 |
| Age (years) | | | |
| 15-19 | 68.2 | 3.0 | 3,508 |
| 20-24 | 74.9 | 2.5 | 2,378 |
| Wealth index quintile | | | |
| Poorest | 28.5 | 7.7 | 1,106 |
| Second | 53.7 | 4.3 | 1,132 |
| Middle | 79.2 | 1.9 | 1,226 |
| Fourth | 90.4 | 0.5 | 1,219 |
| Richest | 97.9 | 0.1 | 1,203 |
| Ethnicity of household head | | | |
| Hausa | 52.9 | 5.2 | 2,786 |
| Igbo | 93.4 | 0.0 | 556 |
| Yoruba | 92.8 | 0.6 | 701 |
| Other ethnic group | 83.1 | 0.7 | 1,844 |
| ¹ MICS indicator 7.1; MDG indicator 2.3 - Literacy rate among young men ^[M] | | | |

Table ED.1M: Literacy (young men) (continued)

Percentage of men age 15-24 years who are literate, Nigeria, 2016-17

| | Percentage literate ¹ | Percentage not known | Number of men age 15-24 years |
|---|----------------------------------|----------------------|-------------------------------|
| Total | 70.9 | 2.8 | 5,887 |
| State | | | |
| Abia | 94.2 | 0.0 | 54 |
| Adamawa | 74.3 | 3.1 | 158 |
| Akwa Ibom | 92.7 | 1.1 | 138 |
| Anambra | 95.1 | 0.0 | 92 |
| Bauchi | 39.8 | 0.3 | 286 |
| Bayelsa | 98.3 | 0.0 | 43 |
| Benue | 90.5 | 0.0 | 184 |
| Borno | 60.3 | 0.0 | 294 |
| Cross River | 95.0 | 0.0 | 102 |
| Delta | 95.3 | 0.0 | 99 |
| Ebonyi | 81.9 | 0.0 | 57 |
| Edo | 98.3 | 0.0 | 67 |
| Ekiti | 99.0 | 0.0 | 31 |
| Enugu | 96.8 | 0.0 | 83 |
| Gombe | 47.5 | 0.0 | 118 |
| Imo | 98.9 | 0.0 | 98 |
| Jigawa | 32.3 | 0.0 | 214 |
| Kaduna | 65.2 | 2.7 | 361 |
| Kano | 72.5 | 10.4 | 452 |
| Katsina | 62.6 | 0.0 | 263 |
| Kebbi | 41.8 | 0.5 | 180 |
| Kogi | 92.4 | 1.7 | 126 |
| Kwara | 81.0 | 0.0 | 93 |
| Lagos | 98.3 | 0.0 | 226 |
| Nasarawa | 78.1 | 0.0 | 139 |
| Niger | 58.9 | 1.2 | 239 |
| Ogun | 89.0 | 2.1 | 83 |
| Ondo | 93.4 | 0.0 | 92 |
| Osun | 94.8 | 2.9 | 135 |
| Oyo | 88.3 | 0.0 | 168 |
| Plateau | 69.6 | 6.1 | 272 |
| Rivers | 94.7 | 0.0 | 152 |
| Sokoto | 47.4 | 24.8 | 152 |
| Taraba | 70.6 | 1.4 | 91 |
| Yobe | 42.7 | 0.8 | 247 |
| Zamfara | 53.0 | 12.6 | 248 |
| FCT Abuja | 90.1 | 0.0 | 52 |
| ¹ MICS indicator 7.1; MDG indicator 2.3 - Literacy rate among young men ^[M] | | | |

School Readiness

| Table ED.2: School readiness | | |
|--|---|--|
| Percentage of children attending first grade of primary school who attended pre-school the previous year, Nigeria, 2016-17 | | |
| | Percentage of children attending first grade who attended preschool in previous year ¹ | Number of children attending first grade of primary school |
| Total | 39.2 | 3,793 |
| Geopolitical zone | | |
| North Central | 39.9 | 774 |
| North East | 24.6 | 630 |
| North West | 20.3 | 1,256 |
| South East | 63.6 | 322 |
| South South | 59.4 | 333 |
| South West | 76.8 | 479 |
| Sex | | |
| Male | 39.7 | 1,934 |
| Female | 38.8 | 1,859 |
| Residence | | |
| Urban | 51.8 | 1,345 |
| Rural | 32.3 | 2,447 |
| Mother's education | | |
| None | 22.3 | 959 |
| Non-formal | 22.3 | 641 |
| Primary | 41.9 | 795 |
| Secondary | 57.4 | 1,085 |
| Higher | 57.2 | 301 |
| Wealth index quintile | | |
| Poorest | 14.8 | 502 |
| Second | 26.5 | 759 |
| Middle | 35.8 | 888 |
| Fourth | 46.6 | 855 |
| Richest | 63.0 | 789 |
| Ethnicity of household head | | |
| Hausa | 24.2 | 1,742 |
| Igbo | 65.7 | 421 |
| Yoruba | 71.4 | 454 |
| Other ethnic group | 39.7 | 1,176 |
| ¹ MICS indicator 7.2 - School readiness | | |

Table ED.2: School readiness (continued)

Percentage of children attending first grade of primary school who attended pre-school the previous year, Nigeria, 2016-17

| | Percentage of children attending first grade who attended preschool in previous year ¹ | Number of children attending first grade of primary school |
|--------------|---|--|
| Total | 39.2 | 3,793 |
| State | | |
| Abia | 84.2 | 50 |
| Adamawa | 25.0 | 86 |
| Akwa Ibom | 61.4 | 80 |
| Anambra | 57.9 | 72 |
| Bauchi | 8.1 | 108 |
| Bayelsa | 29.0 | 25 |
| Benue | 24.6 | 116 |
| Borno | (30.5) | 225 |
| Cross River | 77.8 | 69 |
| Delta | (47.7) | 29 |
| Ebonyi | 46.0 | 86 |
| Edo | 37.9 | 65 |
| Ekiti | 42.9 | 21 |
| Enugu | 66.0 | 65 |
| Gombe | 23.5 | 53 |
| Imo | 78.8 | 49 |
| Jigawa | 10.3 | 123 |
| Kaduna | 30.5 | 275 |
| Kano | 23.8 | 325 |
| Katsina | 15.9 | 243 |
| Kebbi | 11.3 | 63 |
| Kogi | 10.2 | 82 |
| Kwara | 68.6 | 66 |
| Lagos | 89.1 | 167 |
| Nasarawa | 34.4 | 102 |
| Niger | 23.0 | 151 |
| Ogun | 88.4 | 72 |
| Ondo | 61.0 | 86 |
| Osun | (*) | 23 |
| Oyo | 77.1 | 109 |
| Plateau | 56.7 | 214 |
| Rivers | 76.0 | 65 |
| Sokoto | 8.3 | 89 |
| Taraba | 23.3 | 61 |
| Yobe | 30.2 | 97 |
| Zamfara | 20.6 | 138 |
| FCT Abuja | 82.1 | 43 |

¹ MICS indicator 7.2 - School readiness

() Sample data are based on 25-29 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Primary and Secondary School Participation

Table ED.3: Primary school entry

Percentage of children of primary school entry age entering grade 1 (net intake rate), Nigeria, 2016-17

| | Percentage of children of primary school entry age entering grade 1 ¹ | Number of children of primary school entry age |
|--|--|--|
| Total | 39.4 | 6,468 |
| Geopolitical zone | | |
| North Central | 48.2 | 1,083 |
| North East | 27.2 | 1,492 |
| North West | 32.5 | 2,387 |
| South East | 60.5 | 344 |
| South South | 52.5 | 495 |
| South West | 56.3 | 666 |
| Sex | | |
| Male | 39.8 | 3,280 |
| Female | 38.9 | 3,187 |
| Residence | | |
| Urban | 52.0 | 1,995 |
| Rural | 33.7 | 4,472 |
| Mother's education | | |
| None | 25.7 | 2,112 |
| Non-formal | 25.2 | 1,441 |
| Primary | 50.2 | 1,093 |
| Secondary | 56.7 | 1,375 |
| Higher | 70.5 | 434 |
| Wealth index quintile | | |
| Poorest | 17.0 | 1,546 |
| Second | 32.9 | 1,422 |
| Middle | 43.0 | 1,274 |
| Fourth | 50.2 | 1,221 |
| Richest | 65.2 | 1,004 |
| Ethnicity of household head | | |
| Hausa | 29.7 | 3,547 |
| Igbo | 62.2 | 512 |
| Yoruba | 57.9 | 607 |
| Other ethnic group | 45.7 | 1,802 |
| ¹ MICS indicator 7.3 - Net intake rate in primary education | | |

Table ED.3: Primary school entry (continued)

Percentage of children of primary school entry age entering grade 1 (net intake rate), Nigeria, 2016-17

| | Percentage of children of primary school entry age entering grade 1 ¹ | Number of children of primary school entry age |
|--|--|--|
| Total | 39.4 | 6,468 |
| State | | |
| Abia | 72.1 | 48 |
| Adamawa | 31.0 | 167 |
| Akwa Ibom | 48.0 | 100 |
| Anambra | 70.9 | 86 |
| Bauchi | 21.9 | 337 |
| Bayelsa | 56.7 | 40 |
| Benue | 43.7 | 161 |
| Borno | 31.7 | 475 |
| Cross River | 43.8 | 101 |
| Delta | 47.8 | 85 |
| Ebonyi | 46.8 | 71 |
| Edo | 66.7 | 70 |
| Ekiti | 57.2 | 24 |
| Enugu | 59.9 | 68 |
| Gombe | 22.7 | 129 |
| Imo | 54.4 | 71 |
| Jigawa | 24.0 | 338 |
| Kaduna | 39.6 | 387 |
| Kano | 35.4 | 551 |
| Katsina | 42.6 | 420 |
| Kebbi | 24.6 | 198 |
| Kogi | 66.6 | 99 |
| Kwara | 75.5 | 96 |
| Lagos | 78.2 | 230 |
| Nasarawa | 43.6 | 144 |
| Niger | 31.6 | 318 |
| Ogun | 60.5 | 64 |
| Ondo | 65.3 | 90 |
| Osun | 22.7 | 91 |
| Oyo | 37.9 | 167 |
| Plateau | 55.2 | 216 |
| Rivers | 58.1 | 98 |
| Sokoto | 27.0 | 187 |
| Taraba | 39.4 | 93 |
| Yobe | 22.0 | 292 |
| Zamfara | 22.2 | 306 |
| FCT Abuja | 61.6 | 49 |
| ¹ MICS indicator 7.3 - Net intake rate in primary education | | |

Table ED.4: Primary school attendance and out of school children

Percentage of children of primary school age attending primary or secondary school (adjusted net attendance ratio), percentage attending preschool, and percentage out of school, Nigeria, 2016-17

| | Male | | | | | Female | | | | | Total | | | | |
|--|---------------------------------|-----------------------------------|---------------------|----------------------------|--------------------|---------------------------------|-----------------------------------|---------------------|----------------------------|--------------------|--|-----------------------------------|---------------------|----------------------------|--------------------|
| | Percentage of children: | | | | | Percentage of children: | | | | | Percentage of children: | | | | |
| | Net attendance ratio (adjusted) | Not attending school or preschool | Attending preschool | Out of school ^a | Number of children | Net attendance ratio (adjusted) | Not attending school or preschool | Attending preschool | Out of school ^a | Number of children | Net attendance ratio (adjusted) ¹ | Not attending school or preschool | Attending preschool | Out of school ^a | Number of children |
| Total | 62.6 | 20.7 | 5.7 | 26.5 | 16,990 | 59.2 | 22.2 | 5.7 | 27.9 | 16,657 | 60.9 | 21.5 | 5.7 | 27.2 | 33,647 |
| Geopolitical zone | | | | | | | | | | | | | | | |
| North Central | 72.0 | 16.6 | 6.3 | 23.0 | 2,862 | 67.5 | 17.7 | 7.1 | 24.8 | 2,736 | 69.8 | 17.2 | 6.7 | 23.8 | 5,598 |
| North East | 48.8 | 34.1 | 3.1 | 37.3 | 3,774 | 44.0 | 38.2 | 4.2 | 42.4 | 3,783 | 46.4 | 36.2 | 3.7 | 39.8 | 7,557 |
| North West | 50.8 | 26.1 | 4.0 | 30.1 | 6,195 | 47.4 | 26.7 | 3.1 | 29.8 | 6,217 | 49.1 | 26.4 | 3.6 | 29.9 | 12,412 |
| South East | 88.3 | 2.2 | 9.3 | 11.5 | 1,016 | 88.8 | 2.0 | 9.1 | 11.1 | 901 | 88.5 | 2.1 | 9.2 | 11.3 | 1,917 |
| South South | 86.5 | 2.1 | 11.4 | 13.4 | 1,378 | 86.9 | 2.4 | 10.6 | 13.1 | 1,262 | 86.7 | 2.2 | 11.0 | 13.3 | 2,641 |
| South West | 85.2 | 5.0 | 9.8 | 14.8 | 1,764 | 85.6 | 3.9 | 10.4 | 14.3 | 1,758 | 85.4 | 4.5 | 10.1 | 14.6 | 3,522 |
| Residence | | | | | | | | | | | | | | | |
| Urban | 80.5 | 5.5 | 7.8 | 13.2 | 5,178 | 79.5 | 7.0 | 7.8 | 14.8 | 5,119 | 80.0 | 6.2 | 7.8 | 14.0 | 10,296 |
| Rural | 54.8 | 27.4 | 4.8 | 32.2 | 11,812 | 50.2 | 29.0 | 4.7 | 33.7 | 11,538 | 52.5 | 28.2 | 4.8 | 33.0 | 23,351 |
| Age at beginning of school year | | | | | | | | | | | | | | | |
| 6 | 42.5 | 27.7 | 16.7 | 44.4 | 3,280 | 41.0 | 29.0 | 16.6 | 45.7 | 3,187 | 41.7 | 28.3 | 16.7 | 45.0 | 6,468 |
| 7 | 57.1 | 23.3 | 7.0 | 30.3 | 3,210 | 57.6 | 23.8 | 7.4 | 31.2 | 2,916 | 57.3 | 23.5 | 7.2 | 30.7 | 6,126 |
| 8 | 66.4 | 20.7 | 3.2 | 23.9 | 3,035 | 60.6 | 21.5 | 4.6 | 26.1 | 3,042 | 63.5 | 21.1 | 3.9 | 25.0 | 6,077 |
| 9 | 74.8 | 14.8 | 2.0 | 16.7 | 2,446 | 69.3 | 17.8 | 1.3 | 19.1 | 2,410 | 72.1 | 16.3 | 1.6 | 17.9 | 4,856 |
| 10 | 66.9 | 20.2 | 1.3 | 21.5 | 3,073 | 61.8 | 22.4 | 0.7 | 23.0 | 3,075 | 64.3 | 21.3 | 1.0 | 22.3 | 6,148 |
| 11 | 77.7 | 13.1 | 0.7 | 13.8 | 1,946 | 72.5 | 15.5 | 0.3 | 15.8 | 2,026 | 75.0 | 14.3 | 0.5 | 14.8 | 3,972 |

Table ED.4: Primary school attendance and out of school children (continued)

Percentage of children of primary school age attending primary or secondary school (adjusted net attendance ratio), percentage attending preschool, and percentage out of school, Nigeria, 2016-17

| | Male | | | | | Female | | | | | Total | | | | |
|------------------------------------|---------------------------------|-----------------------------------|---------------------|----------------------------|--------------------|---------------------------------|-----------------------------------|---------------------|----------------------------|--------------------|--|-----------------------------------|---------------------|----------------------------|--------------------|
| | Percentage of children: | | | | | Percentage of children: | | | | | Percentage of children: | | | | |
| | Net attendance ratio (adjusted) | Not attending school or preschool | Attending preschool | Out of school ^a | Number of children | Net attendance ratio (adjusted) | Not attending school or preschool | Attending preschool | Out of school ^a | Number of children | Net attendance ratio (adjusted) ¹ | Not attending school or preschool | Attending preschool | Out of school ^a | Number of children |
| Mother's education | | | | | | | | | | | | | | | |
| None | 46.5 | 43.8 | 3.9 | 47.8 | 5,795 | 41.5 | 49.1 | 3.4 | 52.5 | 5,488 | 44.1 | 46.4 | 3.7 | 50.1 | 11,283 |
| Non-formal | 44.4 | 15.6 | 2.4 | 17.9 | 3,773 | 38.5 | 15.8 | 2.8 | 18.6 | 3,777 | 41.4 | 15.7 | 2.6 | 18.2 | 7,550 |
| Primary | 79.6 | 8.7 | 9.0 | 17.8 | 2,992 | 77.5 | 9.9 | 8.0 | 17.9 | 2,955 | 78.5 | 9.3 | 8.5 | 17.8 | 5,946 |
| Secondary | 86.8 | 3.1 | 9.7 | 12.8 | 3,323 | 85.4 | 2.6 | 10.6 | 13.2 | 3,293 | 86.1 | 2.9 | 10.2 | 13.0 | 6,616 |
| Higher | 91.6 | 1.9 | 5.9 | 7.8 | 1,073 | 91.3 | 2.9 | 5.8 | 8.7 | 1,109 | 91.5 | 2.4 | 5.9 | 8.3 | 2,181 |
| Wealth index quintile | | | | | | | | | | | | | | | |
| Poorest | 28.6 | 48.4 | 1.8 | 50.2 | 3,970 | 23.7 | 50.4 | 1.4 | 51.8 | 3,796 | 26.2 | 49.4 | 1.6 | 50.9 | 7,766 |
| Second | 55.0 | 27.0 | 4.2 | 31.1 | 3,580 | 50.3 | 29.9 | 3.8 | 33.6 | 3,721 | 52.6 | 28.4 | 4.0 | 32.4 | 7,302 |
| Middle | 71.7 | 11.5 | 7.2 | 18.8 | 3,448 | 65.6 | 13.9 | 7.2 | 21.0 | 3,295 | 68.8 | 12.7 | 7.2 | 19.9 | 6,743 |
| Fourth | 80.2 | 5.9 | 8.7 | 14.6 | 3,182 | 78.1 | 6.0 | 10.5 | 16.5 | 3,112 | 79.1 | 6.0 | 9.6 | 15.5 | 6,294 |
| Richest | 89.4 | 1.7 | 8.1 | 9.8 | 2,809 | 91.6 | 1.3 | 6.9 | 8.2 | 2,733 | 90.5 | 1.5 | 7.5 | 9.0 | 5,542 |
| Ethnicity of household head | | | | | | | | | | | | | | | |
| Hausa | 48.5 | 29.1 | 3.5 | 32.7 | 9,201 | 44.6 | 30.8 | 3.4 | 34.2 | 9,283 | 46.6 | 29.9 | 3.5 | 33.4 | 18,483 |
| Igbo | 87.5 | 2.6 | 9.1 | 11.8 | 1,394 | 88.0 | 2.9 | 8.6 | 11.5 | 1,292 | 87.8 | 2.8 | 8.9 | 11.7 | 2,686 |
| Yoruba | 87.5 | 2.5 | 10.0 | 12.5 | 1,659 | 86.0 | 2.7 | 11.3 | 13.9 | 1,640 | 86.8 | 2.6 | 10.6 | 13.2 | 3,300 |
| Other ethnic group | 73.9 | 16.2 | 7.5 | 23.6 | 4,736 | 71.5 | 17.3 | 7.4 | 24.7 | 4,442 | 72.8 | 16.7 | 7.4 | 24.1 | 9,177 |

¹ MICS indicator 7.4; MDG indicator 2.1 - Primary school net attendance ratio (adjusted)

^a The percentage of children of primary school age out of school are those not attending school and those attending preschool

Table ED.4: Primary school attendance and out of school children (continued)

Percentage of children of primary school age attending primary or secondary school (adjusted net attendance ratio), percentage attending preschool, and percentage out of school, Nigeria, 2016-17

| | Male | | | | | Female | | | | | Total | | | | |
|--------------|---------------------------------|-----------------------------------|---------------------|----------------------------|--------------------|---------------------------------|-----------------------------------|---------------------|----------------------------|--------------------|--|-----------------------------------|---------------------|----------------------------|--------------------|
| | Percentage of children: | | | | | Percentage of children: | | | | | Percentage of children: | | | | |
| | Net attendance ratio (adjusted) | Not attending school or preschool | Attending preschool | Out of school ^a | Number of children | Net attendance ratio (adjusted) | Not attending school or preschool | Attending preschool | Out of school ^a | Number of children | Net attendance ratio (adjusted) ¹ | Not attending school or preschool | Attending preschool | Out of school ^a | Number of children |
| Total | 62.6 | 20.7 | 5.7 | 26.5 | 16,990 | 59.2 | 22.2 | 5.7 | 27.9 | 16,657 | 60.9 | 21.5 | 5.7 | 27.2 | 33,647 |
| State | | | | | | | | | | | | | | | |
| Abia | 91.3 | 2.9 | 5.9 | 8.7 | 137 | 95.6 | 1.1 | 3.3 | 4.4 | 133 | 93.4 | 2.0 | 4.6 | 6.6 | 269 |
| Adamawa | 59.7 | 34.4 | 5.7 | 40.1 | 434 | 55.8 | 39.5 | 4.1 | 43.6 | 430 | 57.7 | 36.9 | 4.9 | 41.8 | 864 |
| Akwa Ibom | 84.9 | 1.3 | 13.8 | 15.1 | 302 | 82.7 | 4.7 | 12.6 | 17.3 | 248 | 83.9 | 2.8 | 13.3 | 16.1 | 550 |
| Anambra | 93.8 | 0.5 | 5.7 | 6.2 | 254 | 92.9 | 0.8 | 6.3 | 7.1 | 215 | 93.4 | 0.6 | 6.0 | 6.6 | 469 |
| Bauchi | 40.9 | 57.1 | 2.0 | 59.0 | 893 | 36.4 | 60.8 | 1.5 | 62.3 | 927 | 38.6 | 59.0 | 1.7 | 60.7 | 1,820 |
| Bayelsa | 83.3 | 4.6 | 12.2 | 16.7 | 109 | 86.6 | 7.0 | 6.4 | 13.4 | 110 | 84.9 | 5.8 | 9.3 | 15.1 | 219 |
| Benue | 69.3 | 13.7 | 17.0 | 30.7 | 434 | 73.0 | 11.7 | 15.3 | 27.0 | 439 | 71.2 | 12.7 | 16.1 | 28.8 | 873 |
| Borno | 58.4 | 6.7 | 3.4 | 10.1 | 1,100 | 48.1 | 14.7 | 7.2 | 22.0 | 1,218 | 53.0 | 10.9 | 5.4 | 16.3 | 2,318 |
| Cross River | 82.8 | 2.9 | 14.0 | 16.8 | 298 | 86.8 | 1.1 | 12.1 | 13.2 | 282 | 84.8 | 2.0 | 13.1 | 15.1 | 580 |
| Delta | 86.9 | 1.2 | 11.8 | 13.1 | 237 | 83.4 | 1.5 | 14.9 | 16.3 | 197 | 85.3 | 1.3 | 13.2 | 14.6 | 434 |
| Ebonyi | 77.1 | 6.4 | 16.4 | 22.9 | 202 | 80.3 | 7.3 | 12.4 | 19.7 | 187 | 78.6 | 6.9 | 14.5 | 21.4 | 389 |
| Edo | 91.2 | 0.8 | 8.0 | 8.8 | 182 | 91.7 | 1.1 | 7.3 | 8.3 | 173 | 91.4 | 0.9 | 7.6 | 8.6 | 355 |
| Ekiti | 87.9 | 2.7 | 9.3 | 12.1 | 83 | 90.7 | 1.0 | 8.3 | 9.3 | 83 | 89.3 | 1.9 | 8.8 | 10.7 | 166 |
| Enugu | 86.8 | 1.2 | 10.7 | 12.0 | 184 | 89.3 | 0.2 | 10.2 | 10.5 | 155 | 87.9 | 0.8 | 10.5 | 11.3 | 338 |
| Gombe | 39.8 | 52.8 | 3.5 | 56.3 | 314 | 36.2 | 56.8 | 3.0 | 59.8 | 331 | 37.9 | 54.9 | 3.2 | 58.1 | 645 |
| Imo | 91.3 | 0.9 | 7.8 | 8.7 | 234 | 87.7 | 0.3 | 12.0 | 12.3 | 211 | 89.6 | 0.6 | 9.8 | 10.4 | 451 |
| Jigawa | 39.9 | 40.1 | 3.8 | 43.9 | 920 | 37.3 | 42.3 | 3.4 | 45.6 | 855 | 38.6 | 41.1 | 3.6 | 44.7 | 1,776 |
| Kaduna | 65.1 | 15.3 | 9.2 | 24.5 | 1013 | 68.0 | 16.7 | 7.2 | 24.0 | 963 | 66.5 | 16.0 | 8.3 | 24.2 | 1,976 |
| Kano | 56.7 | 16.9 | 5.1 | 22.0 | 1339 | 53.0 | 16.3 | 3.2 | 19.6 | 1387 | 54.8 | 16.6 | 4.1 | 20.8 | 2,726 |
| Katsina | 55.8 | 34.3 | 2.7 | 36.9 | 1099 | 57.8 | 30.6 | 2.1 | 32.6 | 1095 | 56.8 | 32.4 | 2.4 | 34.8 | 2,193 |

Table ED.4: Primary school attendance and out of school children (continued)

Percentage of children of primary school age attending primary or secondary school (adjusted net attendance ratio), percentage attending preschool, and percentage out of school, Nigeria, 2016-17

| State | Male | | | | | Female | | | | | Total | | | | |
|-----------|---------------------------------|-----------------------------------|---------------------|----------------------------|--------------------|---------------------------------|-----------------------------------|---------------------|----------------------------|--------------------|--|-----------------------------------|---------------------|----------------------------|--------------------|
| | Net attendance ratio (adjusted) | Percentage of children: | | | | Net attendance ratio (adjusted) | Percentage of children: | | | | Net attendance ratio (adjusted) ¹ | Percentage of children: | | | |
| | | Not attending school or preschool | Attending preschool | Out of school ^a | Number of children | | Not attending school or preschool | Attending preschool | Out of school ^a | Number of children | | Not attending school or preschool | Attending preschool | Out of school ^a | Number of children |
| Kebbi | 37.8 | 31.9 | 1.5 | 33.4 | 542 | 31.3 | 32.5 | 1.3 | 33.8 | 566 | 34.5 | 32.2 | 1.4 | 33.6 | 1,108 |
| Kogi | 87.4 | 6.1 | 6.5 | 12.6 | 285 | 86.0 | 6.8 | 7.2 | 14.0 | 257 | 86.7 | 6.4 | 6.8 | 13.3 | 542 |
| Kwara | 86.6 | 13.0 | 0.4 | 13.4 | 238 | 85.5 | 10.2 | 4.3 | 14.5 | 209 | 86.1 | 11.7 | 2.2 | 13.9 | 447 |
| Lagos | 94.5 | 1.3 | 4.2 | 5.5 | 544.5 | 97.0 | 0.3 | 2.7 | 3.0 | 508.8 | 95.7 | 0.8 | 3.5 | 4.3 | 1,053 |
| Nasarawa | 73.1 | 19.4 | 7.0 | 26.3 | 383.9 | 68.4 | 20.3 | 9.1 | 29.4 | 351.0 | 70.9 | 19.8 | 8.0 | 27.8 | 735 |
| Niger | 58.1 | 24.1 | 2.6 | 26.7 | 823.5 | 45.9 | 28.3 | 3.5 | 31.8 | 822.9 | 52.0 | 26.2 | 3.0 | 29.2 | 1,646 |
| Ogun | 87.7 | 4.4 | 7.8 | 12.3 | 177.7 | 87.8 | 4.8 | 7.4 | 12.2 | 181.9 | 87.8 | 4.6 | 7.6 | 12.2 | 360 |
| Ondo | 91.4 | 3.4 | 5.2 | 8.6 | 274.9 | 92.3 | 3.3 | 4.4 | 7.7 | 281.5 | 91.8 | 3.3 | 4.8 | 8.2 | 556 |
| Osun | 71.0 | 2.5 | 26.5 | 29.0 | 243.8 | 75.3 | 1.9 | 22.8 | 24.7 | 248.2 | 73.1 | 2.2 | 24.7 | 26.9 | 492 |
| Oyo | 76.1 | 12.7 | 11.2 | 23.9 | 440.1 | 72.7 | 9.5 | 17.6 | 27.1 | 454.6 | 74.3 | 11.1 | 14.5 | 25.5 | 895 |
| Plateau | 76.2 | 14.9 | 6.0 | 20.9 | 570.2 | 75.5 | 14.7 | 6.3 | 21.0 | 535.6 | 75.8 | 14.8 | 6.1 | 20.9 | 1,106 |
| Rivers | 90.4 | 2.6 | 7.0 | 9.6 | 249.7 | 90.7 | 1.4 | 7.9 | 9.3 | 252.2 | 90.6 | 2.0 | 7.4 | 9.4 | 502 |
| Sokoto | 35.1 | 28.0 | 1.9 | 29.9 | 521.1 | 28.7 | 28.2 | 1.7 | 29.9 | 498.1 | 32.0 | 28.1 | 1.8 | 29.9 | 1,019 |
| Taraba | 57.9 | 32.1 | 6.7 | 38.7 | 292.7 | 58.5 | 31.6 | 8.1 | 39.7 | 255.3 | 58.2 | 31.9 | 7.3 | 39.2 | 548 |
| Yobe | 38.0 | 40.1 | 1.0 | 41.1 | 740.5 | 37.6 | 42.2 | 1.3 | 43.5 | 622.1 | 37.8 | 41.0 | 1.2 | 42.2 | 1,363 |
| Zamfara | 47.2 | 22.4 | 1.0 | 23.4 | 761.6 | 33.8 | 29.5 | 1.0 | 30.5 | 853.1 | 40.1 | 26.1 | 1.0 | 27.1 | 1,615 |
| FCT Abuja | 86.4 | 8.6 | 4.3 | 12.9 | 128.6 | 86.1 | 8.8 | 4.3 | 13.1 | 120.7 | 86.2 | 8.7 | 4.3 | 13.0 | 249 |

¹ MICS indicator 7.4; MDG indicator 2.1 - Primary school net attendance ratio (adjusted)^a The percentage of children of primary school age out of school are those not attending school and those attending preschool

Table ED.5: Secondary school attendance and out of school children

Percentage of children of secondary school age attending secondary school or higher (adjusted net attendance ratio), percentage attending primary school, and percentage out of school, Nigeria, 2016-17

| | Male | | | | Female | | | | Total | | | |
|--|---------------------------------|--------------------------|----------------------------|--------------------|---------------------------------|--------------------------|----------------------------|--------------------|--|--------------------------|----------------------------|--------------------|
| | Net attendance ratio (adjusted) | Percentage of children: | | Number of children | Net attendance ratio (adjusted) | Percentage of children: | | Number of children | Net attendance ratio (adjusted) ¹ | Percentage of children: | | Number of children |
| | | Attending primary school | Out of school ^a | | | Attending primary school | Out of school ^a | | | Attending primary school | Out of school ^a | |
| Total | 47.4 | 19.2 | 24.4 | 12,695 | 46.2 | 16.5 | 27.3 | 12,160 | 46.9 | 17.9 | 25.8 | 24,855 |
| Geopolitical zone | | | | | | | | | | | | |
| North Central | 51.2 | 26.5 | 19.3 | 2,183 | 49.4 | 23.4 | 22.3 | 2,060 | 50.3 | 25.0 | 20.7 | 4,242 |
| North East | 32.5 | 18.4 | 36.5 | 2,767 | 30.6 | 19.5 | 38.1 | 2,656 | 31.6 | 18.9 | 37.3 | 5,423 |
| North West | 36.4 | 17.2 | 30.3 | 4,435 | 30.3 | 13.8 | 36.8 | 4,197 | 33.5 | 15.6 | 33.5 | 8,632 |
| South East | 69.8 | 22.4 | 7.7 | 760 | 76.6 | 15.7 | 7.8 | 764 | 73.2 | 19.0 | 7.7 | 1,524 |
| South South | 73.6 | 17.7 | 8.7 | 1,136 | 79.4 | 12.2 | 8.4 | 1,135 | 76.5 | 14.9 | 8.5 | 2,271 |
| South West | 72.4 | 15.5 | 12.1 | 1,414 | 76.6 | 12.2 | 11.2 | 1,348 | 74.5 | 13.9 | 11.7 | 2,763 |
| Residence | | | | | | | | | | | | |
| Urban | 66.4 | 17.5 | 12.0 | 4,303 | 65.8 | 16.5 | 13.1 | 4,420 | 66.1 | 17.0 | 12.6 | 8,723 |
| Rural | 37.7 | 20.1 | 30.8 | 8,392 | 35.1 | 16.4 | 35.4 | 7,740 | 36.5 | 18.4 | 33.0 | 16,132 |
| Age at beginning of school year | | | | | | | | | | | | |
| 12 | 28.7 | 39.6 | 21.2 | 2,799 | 27.6 | 35.7 | 22.7 | 2,667 | 28.2 | 37.7 | 22.0 | 5,465 |
| 13 | 44.1 | 26.5 | 21.1 | 2,179 | 43.3 | 24.2 | 21.6 | 2,308 | 43.7 | 25.3 | 21.3 | 4,487 |
| 14 | 51.9 | 18.0 | 21.8 | 2,165 | 52.8 | 12.8 | 23.7 | 2,311 | 52.4 | 15.3 | 22.8 | 4,476 |
| 15 | 51.2 | 9.6 | 28.1 | 2,090 | 52.6 | 6.5 | 32.2 | 1,819 | 51.8 | 8.1 | 30.0 | 3,909 |
| 16 | 59.3 | 5.7 | 28.5 | 1,882 | 54.8 | 2.7 | 36.6 | 1,649 | 57.2 | 4.3 | 32.3 | 3,531 |
| 17 | 60.1 | 3.6 | 28.6 | 1,581 | 57.4 | 2.4 | 34.2 | 1,407 | 58.8 | 3.0 | 31.3 | 2,987 |
| Mother's education | | | | | | | | | | | | |
| None | 29.6 | 21.6 | 43.4 | 4055 | 27.8 | 20.0 | 46.7 | 3,435 | 28.8 | 20.9 | 44.9 | 7,489 |
| Non-formal | 28.0 | 19.8 | 20.2 | 2403 | 24.8 | 16.9 | 18.7 | 2,163 | 26.5 | 18.5 | 19.5 | 4,566 |
| Primary | 58.5 | 24.9 | 14.7 | 2402 | 59.1 | 24.2 | 13.7 | 2,125 | 58.8 | 24.6 | 14.2 | 4,526 |
| Secondary | 75.8 | 16.8 | 7.1 | 1893 | 78.3 | 14.1 | 7.3 | 1,997 | 77.1 | 15.4 | 7.2 | 3,890 |
| Higher | 81.6 | 10.4 | 7.4 | 747 | 79.5 | 12.2 | 8.0 | 793 | 80.5 | 11.4 | 7.7 | 1,540 |
| Cannot be determined ^p | 59.1 | 8.0 | 26.5 | 1183 | 41.5 | 3.2 | 49.3 | 1,646 | 48.8 | 5.2 | 39.8 | 2,829 |

Table ED.5: Secondary school attendance and out of school children (continued)

Percentage of children of secondary school age attending secondary school or higher (adjusted net attendance ratio), percentage attending primary school, and percentage out of school, Nigeria, 2016-17

| | Male | | | | Female | | | | Total | | | |
|------------------------------------|---------------------------------|--------------------------|----------------------------|--------------------|---------------------------------|--------------------------|----------------------------|--------------------|--|--------------------------|----------------------------|--------------------|
| | Net attendance ratio (adjusted) | Percentage of children: | | Number of children | Net attendance ratio (adjusted) | Percentage of children: | | Number of children | Net attendance ratio (adjusted) ¹ | Percentage of children: | | Number of children |
| | | Attending primary school | Out of school ^a | | | Attending primary school | Out of school ^a | | | Attending primary school | Out of school ^a | |
| Wealth index quintile | | | | | | | | | | | | |
| Poorest | 13.6 | 15.0 | 50.6 | 2,733 | 9.3 | 12.7 | 57.1 | 2,299 | 11.6 | 13.9 | 53.6 | 5,032 |
| Second | 33.3 | 23.2 | 32.8 | 2,557 | 25.6 | 18.6 | 39.3 | 2,339 | 29.6 | 21.0 | 35.9 | 4,896 |
| Middle | 53.7 | 23.8 | 16.2 | 2,559 | 43.2 | 22.1 | 24.3 | 2,539 | 48.5 | 23.0 | 20.3 | 5,097 |
| Fourth | 62.5 | 21.9 | 10.8 | 2,631 | 68.8 | 18.3 | 9.8 | 2,549 | 65.6 | 20.1 | 10.3 | 5,180 |
| Richest | 80.4 | 11.4 | 8.0 | 2,215 | 80.6 | 10.2 | 9.0 | 2,434 | 80.5 | 10.8 | 8.5 | 4,650 |
| Ethnicity of household head | | | | | | | | | | | | |
| Hausa | 32.8 | 17.8 | 33.3 | 6,533 | 28.3 | 16.0 | 38.3 | 6,205 | 30.6 | 16.9 | 35.8 | 12,738 |
| Igbo | 69.7 | 19.7 | 10.0 | 1,106 | 77.0 | 14.5 | 8.4 | 1,031 | 73.2 | 17.2 | 9.2 | 2,137 |
| Yoruba | 72.4 | 16.3 | 11.1 | 1,394 | 76.8 | 12.4 | 10.6 | 1,344 | 74.6 | 14.4 | 10.9 | 2,738 |
| Other ethnic group | 57.4 | 22.7 | 18.0 | 3,662 | 57.1 | 19.3 | 19.9 | 3,581 | 57.2 | 21.0 | 18.9 | 7,242 |

¹ MICS indicator 7.5 - Secondary school net attendance ratio (adjusted)^a The percentage of children of secondary school age out of school are those who are not attending primary, secondary, or higher education^b Children age 15 or higher at the time of the interview whose mothers were not living in the household

Table ED.5: Secondary school attendance and out of school children (continued)

Percentage of children of secondary school age attending secondary school or higher (adjusted net attendance ratio), percentage attending primary school, and percentage out of school, Nigeria, 2016-17

| | Male | | | | Female | | | | Total | | | |
|--------------|---------------------------------|--------------------------|----------------------------|--------------------|---------------------------------|--------------------------|----------------------------|--------------------|--|--------------------------|----------------------------|--------------------|
| | Net attendance ratio (adjusted) | Percentage of children: | | Number of children | Net attendance ratio (adjusted) | Percentage of children: | | Number of children | Net attendance ratio (adjusted) ¹ | Percentage of children: | | Number of children |
| | | Attending primary school | Out of school ^a | | | Attending primary school | Out of school ^a | | | Attending primary school | Out of school ^a | |
| Total | 47.4 | 19.2 | 24.4 | 12,695 | 46.2 | 16.5 | 27.3 | 12,160 | 46.9 | 17.9 | 25.8 | 24,855 |
| State | | | | | | | | | | | | |
| Abia | 71.9 | 17.8 | 10.3 | 105 | 79.2 | 12.0 | 8.8 | 96 | 75.4 | 15.0 | 9.5 | 201 |
| Adamawa | 42.7 | 24.9 | 31.8 | 298 | 37.8 | 24.0 | 37.5 | 318 | 40.2 | 24.4 | 34.7 | 616 |
| Akwa Ibom | 75.6 | 15.7 | 8.7 | 242 | 78.2 | 14.3 | 7.5 | 254 | 76.9 | 15.0 | 8.1 | 496 |
| Anambra | 74.9 | 19.1 | 6.0 | 194 | 83.3 | 12.8 | 3.9 | 178 | 79.0 | 16.0 | 5.0 | 372 |
| Bauchi | 24.2 | 12.3 | 62.8 | 641 | 18.4 | 15.3 | 65.7 | 579 | 21.4 | 13.7 | 64.2 | 1,220 |
| Bayelsa | 73.1 | 17.8 | 9.1 | 93 | 77.6 | 9.8 | 12.7 | 85 | 75.2 | 14.0 | 10.8 | 178 |
| Benue | 51.2 | 38.2 | 10.6 | 378 | 52.5 | 31.8 | 15.7 | 360 | 51.8 | 35.1 | 13.1 | 738 |
| Borno | 39.3 | 21.7 | 12.8 | 843 | 41.5 | 21.5 | 15.9 | 845 | 40.4 | 21.6 | 14.4 | 1,688 |
| Cross River | 73.2 | 16.4 | 10.4 | 219 | 83.0 | 7.6 | 9.4 | 250 | 78.4 | 11.7 | 9.9 | 469 |
| Delta | 70.9 | 23.1 | 6.0 | 200 | 69.7 | 20.8 | 9.5 | 173 | 70.3 | 22.0 | 7.7 | 373 |
| Ebonyi | 54.4 | 34.7 | 10.9 | 154 | 54.9 | 30.5 | 14.6 | 148 | 54.6 | 32.7 | 12.7 | 302 |
| Edo | 74.0 | 21.4 | 4.6 | 138 | 83.2 | 11.5 | 5.3 | 155 | 78.9 | 16.2 | 4.9 | 293 |
| Ekiti | 77.4 | 13.2 | 9.3 | 62 | 78.3 | 12.3 | 9.4 | 60 | 77.9 | 12.8 | 9.3 | 123 |
| Enugu | 70.2 | 22.1 | 7.8 | 132 | 79.7 | 13.0 | 7.4 | 153 | 75.3 | 17.2 | 7.5 | 285 |
| Gombe | 26.2 | 18.4 | 51.3 | 266 | 25.8 | 14.9 | 55.5 | 214 | 26.0 | 16.8 | 53.1 | 480 |
| Imo | 76.3 | 18.4 | 5.3 | 175 | 83.3 | 10.8 | 5.8 | 189 | 80.0 | 14.5 | 5.6 | 364 |
| Jigawa | 21.7 | 16.5 | 45.7 | 588 | 17.4 | 14.1 | 51.5 | 564 | 19.6 | 15.3 | 48.6 | 1,152 |
| Kaduna | 47.4 | 17.6 | 27.5 | 799 | 40.8 | 18.4 | 32.0 | 787 | 44.1 | 18.0 | 29.7 | 1,586 |
| Kano | 45.3 | 20.3 | 17.8 | 968 | 39.3 | 16.4 | 25.2 | 982 | 42.3 | 18.3 | 21.5 | 1,950 |

Table ED.5: Secondary school attendance and out of school children (continued)

Percentage of children of secondary school age attending secondary school or higher (adjusted net attendance ratio), percentage attending primary school, and percentage out of school, Nigeria, 2016-17

| | Male | | | | Female | | | | Total | | | |
|--------------|---------------------------------|--------------------------|----------------------------|--------------------|---------------------------------|--------------------------|----------------------------|--------------------|--|--------------------------|----------------------------|--------------------|
| | Net attendance ratio (adjusted) | Percentage of children: | | Number of children | Net attendance ratio (adjusted) | Percentage of children: | | Number of children | Net attendance ratio (adjusted) ¹ | Percentage of children: | | Number of children |
| | | Attending primary school | Out of school ^a | | | Attending primary school | Out of school ^a | | | Attending primary school | Out of school ^a | |
| State | | | | | | | | | | | | |
| Katsina | 43.3 | 14.5 | 36.0 | 700 | 29.7 | 11.8 | 46.1 | 710 | 36.4 | 13.1 | 41.1 | 1,410 |
| Kebbi | 22.6 | 18.6 | 39.3 | 411 | 24.3 | 9.2 | 39.7 | 355 | 23.4 | 14.2 | 39.5 | 766 |
| Kogi | 64.6 | 23.9 | 11.6 | 213 | 65.3 | 22.3 | 12.4 | 212 | 64.9 | 23.1 | 12.0 | 424 |
| Kwara | 60.9 | 23.5 | 15.6 | 214 | 66.1 | 15.8 | 17.7 | 173 | 63.2 | 20.0 | 16.5 | 387 |
| Lagos | 79.9 | 6.1 | 14.0 | 427 | 83.4 | 7.1 | 9.6 | 388 | 81.6 | 6.6 | 11.9 | 815 |
| Nasarawa | 53.8 | 23.9 | 21.4 | 277 | 42.7 | 20.6 | 34.7 | 256 | 48.4 | 22.3 | 27.8 | 533 |
| Niger | 34.8 | 26.2 | 28.7 | 581 | 35.9 | 18.0 | 30.1 | 487 | 35.3 | 22.4 | 29.3 | 1,067 |
| Ogun | 74.1 | 16.3 | 9.6 | 160 | 76.5 | 12.6 | 10.9 | 163 | 75.3 | 14.4 | 10.3 | 323 |
| Ondo | 76.0 | 16.9 | 7.1 | 219 | 79.5 | 10.5 | 10.0 | 186 | 77.6 | 14.0 | 8.4 | 405 |
| Osun | 65.6 | 25.1 | 9.3 | 240 | 67.2 | 20.9 | 11.8 | 218 | 66.4 | 23.1 | 10.5 | 458 |
| Oyo | 62.7 | 20.1 | 17.1 | 306 | 73.0 | 13.2 | 13.8 | 333 | 68.1 | 16.5 | 15.4 | 640 |
| Plateau | 57.6 | 21.5 | 20.0 | 416 | 48.0 | 28.3 | 19.9 | 466 | 52.5 | 25.1 | 19.9 | 882 |
| Rivers | 73.9 | 14.3 | 11.4 | 243 | 82.4 | 9.6 | 8.0 | 219 | 78.0 | 12.1 | 9.8 | 462 |
| Sokoto | 17.0 | 19.9 | 31.2 | 365 | 16.3 | 10.9 | 35.4 | 312 | 16.7 | 15.8 | 33.1 | 678 |
| Taraba | 39.3 | 25.2 | 35.5 | 192 | 37.4 | 29.4 | 33.3 | 195 | 38.3 | 27.3 | 34.4 | 388 |
| Yobe | 27.0 | 14.4 | 37.8 | 527 | 21.2 | 16.3 | 38.5 | 504 | 24.1 | 15.3 | 38.1 | 1,031 |
| Zamfara | 35.2 | 12.8 | 26.0 | 602 | 24.8 | 9.1 | 36.0 | 487 | 30.5 | 11.2 | 30.5 | 1,089 |
| FCT Abuja | 62.2 | 24.2 | 13.2 | 103 | 64.6 | 18.8 | 16.6 | 107 | 63.4 | 21.5 | 14.9 | 210 |

¹ MICS indicator 7.5 - Secondary school net attendance ratio (adjusted)^a The percentage of children of secondary school age out of school are those who are not attending primary, secondary, or higher education^b Children age 15 or higher at the time of the interview whose mothers were not living in the household

Table ED.6: Children reaching last grade of primary school

Percentage of children entering first grade of primary school who eventually reach the last grade of primary school (Survival rate to last grade of primary school), Nigeria, 2016-17

| | Percent attending grade 1 last school year who are in grade 2 this school year | Percent attending grade 2 last school year who are attending grade 3 this school year | Percent attending grade 3 last school year who are attending grade 4 this school year | Percent attending grade 4 last school year who are attending grade 5 this school year | Percent attending grade 5 last school year who are attending grade 6 this school year | Percent who reach grade 6 of those who enter grade 1 ¹ |
|--|--|---|---|---|---|---|
| Total | 98.9 | 99.0 | 98.7 | 98.8 | 98.5 | 94.1 |
| Geopolitical zone | | | | | | |
| North Central | 98.7 | 99.0 | 98.4 | 99.1 | 98.6 | 93.9 |
| North East | 99.7 | 99.1 | 97.8 | 98.7 | 98.5 | 94.0 |
| North West | 98.4 | 98.6 | 98.6 | 97.7 | 97.6 | 91.2 |
| South East | 99.0 | 99.9 | 100.0 | 99.2 | 99.3 | 97.4 |
| South South | 98.8 | 99.4 | 99.2 | 99.5 | 99.3 | 96.3 |
| South West | 99.4 | 99.0 | 99.5 | 100.0 | 99.4 | 97.3 |
| Sex | | | | | | |
| Male | 99.1 | 99.1 | 99.1 | 99.0 | 99.1 | 95.5 |
| Female | 98.7 | 98.9 | 98.3 | 98.6 | 97.9 | 92.7 |
| Residence | | | | | | |
| Urban | 99.5 | 99.4 | 98.9 | 99.4 | 98.6 | 95.8 |
| Rural | 98.6 | 98.8 | 98.6 | 98.5 | 98.5 | 93.2 |
| Mother's education | | | | | | |
| None | 99.0 | 98.8 | 97.9 | 97.8 | 98.1 | 91.9 |
| Non-formal | 98.7 | 99.9 | 98.5 | 98.8 | 100.0 | 95.8 |
| Primary | 98.4 | 99.0 | 99.0 | 99.2 | 98.7 | 94.5 |
| Secondary | 99.7 | 99.5 | 99.6 | 99.8 | 99.4 | 98.0 |
| Higher | 99.5 | 100.0 | 99.9 | 99.6 | 98.9 | 98.0 |
| Wealth index quintile | | | | | | |
| Poorest | 97.8 | 98.5 | 97.4 | 95.6 | 96.3 | 86.4 |
| Second | 98.8 | 99.0 | 97.8 | 98.5 | 98.0 | 92.3 |
| Middle | 98.8 | 98.6 | 98.7 | 98.6 | 98.3 | 93.1 |
| Fourth | 99.2 | 99.3 | 99.4 | 99.5 | 99.2 | 96.6 |
| Richest | 99.6 | 99.5 | 99.6 | 99.7 | 99.6 | 98.1 |
| Ethnicity of household head | | | | | | |
| Hausa | 98.6 | 98.7 | 97.7 | 97.7 | 97.8 | 91.0 |
| Igbo | 99.3 | 99.4 | 100.0 | 99.4 | 99.4 | 97.5 |
| Yoruba | 99.3 | 99.6 | 99.5 | 99.7 | 99.5 | 97.6 |
| Other ethnic group | 99.0 | 99.1 | 99.3 | 99.5 | 98.8 | 95.7 |
| ¹ MICS indicator 7.6; MDG indicator 2.2 - Children reaching last grade of primary | | | | | | |

Table ED.6: Children reaching last grade of primary school (continued)

Percentage of children entering first grade of primary school who eventually reach the last grade of primary school (Survival rate to last grade of primary school), Nigeria, 2016-17

| | Percent attending grade 1 last school year who are in grade 2 this school year | Percent attending grade 2 last school year who are attending grade 3 this school year | Percent attending grade 3 last school year who are attending grade 4 this school year | Percent attending grade 4 last school year who are attending grade 5 this school year | Percent attending grade 5 last school year who are attending grade 6 this school year | Percent who reach grade 6 of those who enter grade 1 ¹ |
|--------------|--|---|---|---|---|---|
| Total | 98.9 | 99.0 | 98.7 | 98.8 | 98.5 | 94.1 |
| State | | | | | | |
| Abia | 97.1 | 100.0 | 100.0 | 100.0 | 100.0 | 97.1 |
| Adamawa | 98.8 | 98.7 | 99.3 | 99.2 | 100.0 | 96.1 |
| Akwa Ibom | 98.7 | 100.0 | 98.7 | 100.0 | 99.2 | 96.7 |
| Anambra | 100.0 | 100.0 | 100.0 | 98.7 | 100.0 | 98.7 |
| Bauchi | 99.7 | 99.0 | 98.7 | 95.8 | 98.7 | 92.0 |
| Bayelsa | 97.5 | 97.8 | 94.0 | 94.6 | 94.3 | 79.9 |
| Benue | 98.5 | 97.9 | 98.1 | 98.2 | 93.3 | 86.7 |
| Borno | 100.0 | (99.0) | (98.5) | (100.0) | (*) | (*) |
| Cross River | 99.3 | 100.0 | 99.4 | 100.0 | 100.0 | 98.6 |
| Delta | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Ebonyi | 97.0 | 99.3 | 100.0 | 99.1 | 96.1 | 91.7 |
| Edo | 100.0 | 100.0 | 100.0 | 100.0 | (100.0) | 100.0 |
| Ekiti | 97.9 | 100.0 | 100.0 | (100.0) | (100.0) | 97.9 |
| Enugu | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Gombe | 100.0 | 98.8 | 100.0 | 100.0 | (100.0) | 98.8 |
| Imo | 100.0 | 100.0 | 100.0 | 98.8 | 100.0 | 98.8 |
| Jigawa | 100.0 | 99.0 | 99.1 | 98.8 | 97.3 | 94.4 |
| Kaduna | 99.6 | 96.2 | 100.0 | 100.0 | 98.2 | 94.1 |
| Kano | 98.7 | 99.8 | 98.3 | 97.9 | 98.6 | 93.6 |
| Katsina | 97.6 | 100.0 | 98.1 | 92.9 | 94.8 | 84.3 |
| Kebbi | 99.5 | 100.0 | 100.0 | 99.2 | (100.0) | 98.7 |
| Kogi | 96.2 | 99.5 | 100.0 | 98.1 | 99.0 | 92.9 |
| Kwara | 100.0 | 100.0 | 100.0 | 98.1 | 100.0 | 98.1 |
| Lagos | 100.0 | 98.6 | 100.0 | 100.0 | 99.4 | 98.0 |
| Nasarawa | 99.1 | 100.0 | 100.0 | 99.1 | 98.0 | 96.3 |
| Niger | 97.5 | 97.8 | 97.0 | 100.0 | 100.0 | 92.5 |
| Ogun | 100.0 | 98.7 | 100.0 | 100.0 | 100.0 | 98.7 |
| Ondo | 100.0 | 98.3 | 100.0 | 100.0 | 100.0 | 98.3 |
| Osun | 100.0 | 100.0 | 100.0 | 100.0 | (100.0) | 100.0 |
| Oyo | 97.2 | 99.3 | 97.6 | (100.0) | (97.7) | 92.0 |
| Plateau | 100.0 | 99.4 | 97.4 | 99.5 | 100.0 | 96.2 |
| Rivers | 97.0 | 98.1 | 100.0 | 100.0 | (100.0) | 95.2 |
| Sokoto | 96.6 | 100.0 | 96.7 | (100.0) | (*) | 93.4 |
| Taraba | 99.5 | 99.3 | 92.1 | 96.5 | 89.7 | 78.8 |
| Yobe | 100.0 | 100.0 | 96.7 | 100.0 | (100.0) | 96.7 |
| Zamfara | 95.2 | 96.6 | 97.0 | 97.0 | 98.8 | 85.7 |
| FCT Abuja | 99.8 | 100.0 | 99.7 | 100.0 | 99.0 | 98.5 |

¹ MICS indicator 7.6; MDG indicator 2.2 - Children reaching last grade of primary

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table ED.7: Primary school completion and transition to secondary school

Primary school completion rates and transition and effective transition rates to secondary school, Nigeria, 2016-17

| | Primary school completion rate ¹ | Number of children of primary school completion age | Transition rate to secondary school ² | Number of children who were in the last grade of primary school the previous year | Effective transition rate to secondary school | Number of children who were in the last grade of primary school the previous year and are not repeating that grade in the current school year |
|------------------------------------|---|---|--|---|---|---|
| Total | 63.0 | 3,972 | 49.0 | 2,754 | 66.9 | 2,016 |
| Geopolitical zone | | | | | | |
| North Central | 72.9 | 691 | 48.4 | 548 | 59.8 | 444 |
| North East | 54.0 | 782 | 31.0 | 422 | 51.0 | 256 |
| North West | 57.1 | 1,311 | 36.0 | 712 | 49.6 | 517 |
| South East | 70.7 | 279 | 58.2 | 250 | 81.8 | 178 |
| South South | 81.5 | 376 | 71.7 | 345 | 88.2 | 280 |
| South West | 60.8 | 532 | 63.7 | 478 | 89.4 | 341 |
| Sex | | | | | | |
| Male | 68.5 | 1,946 | 50.4 | 1,470 | 66.9 | 1,106 |
| Female | 57.7 | 2,026 | 47.4 | 1,284 | 67.0 | 910 |
| Residence | | | | | | |
| Urban | 67.6 | 1,434 | 52.0 | 1,214 | 73.5 | 859 |
| Rural | 60.4 | 2,538 | 46.6 | 1,540 | 62.1 | 1,157 |
| Mother's education | | | | | | |
| None | 55.2 | 1,180 | 41.0 | 559 | 55.2 | 415 |
| Non-formal | 49.5 | 788 | 34.2 | 479 | 50.0 | 328 |
| Primary | 85.4 | 789 | 53.6 | 600 | 74.9 | 429 |
| Secondary | 61.4 | 892 | 63.0 | 697 | 85.2 | 516 |
| Higher | 56.2 | 312 | 71.0 | 229 | 89.2 | 182 |
| Wealth index quintile | | | | | | |
| Poorest | 32.9 | 726 | 25.5 | 233 | 35.0 | 170 |
| Second | 64.1 | 754 | 39.3 | 510 | 50.0 | 401 |
| Middle | 77.7 | 815 | 47.8 | 581 | 64.9 | 428 |
| Fourth | 86.0 | 790 | 48.7 | 786 | 72.5 | 528 |
| Richest | 52.7 | 887 | 66.6 | 644 | 87.6 | 490 |
| Ethnicity of household head | | | | | | |
| Hausa | 54.9 | 1,934 | 34.0 | 1,078 | 48.6 | 754 |
| Igbo | 73.9 | 387 | 60.3 | 337 | 81.0 | 250 |
| Yoruba | 63.9 | 488 | 62.2 | 452 | 91.0 | 309 |
| Other ethnic group | 72.4 | 1,163 | 56.2 | 887 | 71.0 | 702 |

¹ MICS indicator 7.7 - Primary completion rate² MICS indicator 7.8 - Transition rate to secondary school

Table ED.7: Primary school completion and transition to secondary school (continued)

| Primary school completion rates and transition and effective transition rates to secondary school, Nigeria, 2016-17 | | | | | | |
|---|---|---|--|---|---|---|
| | Primary school completion rate ¹ | Number of children of primary school completion age | Transition rate to secondary school ² | Number of children who were in the last grade of primary school the previous year | Effective transition rate to secondary school | Number of children who were in the last grade of primary school the previous year and are not repeating that grade in the current school year |
| Total | 63.0 | 3,972 | 49.0 | 2,754 | 66.9 | 2,016 |
| State | | | | | | |
| Abia | 74.3 | 40 | 79.4 | 40 | 90.5 | 35 |
| Adamawa | 56.3 | 114 | 12.1 | 52 | (20.1) | 31 |
| Akwa Ibom | 83.5 | 72 | 83.9 | 70 | 92.0 | 64 |
| Anambra | 59.6 | 69 | 70.3 | 47 | (95.8) | 34 |
| Bauchi | 50.7 | 177 | (28.9) | 69 | (41.0) | 49 |
| Bayelsa | 74.2 | 35 | 48.8 | 24 | (49.8) | 15 |
| Benue | 55.9 | 121 | 30.1 | 101 | 40.4 | 75 |
| Borno | (57.4) | 232 | (*) | 155 | (*) | 75 |
| Cross River | 59.7 | 88 | 82.0 | 89 | 89.9 | 82 |
| Delta | 115.6 | 69 | 44.5 | 54 | (85.0) | 28 |
| Ebonyi | 67.8 | 48 | 37.9 | 68 | 53.2 | 49 |
| Edo | 70.4 | 49 | (64.2) | 33 | (97.2) | 22 |
| Ekiti | 64.9 | 29 | (48.2) | 17 | (*) | 8 |
| Enugu | 65.4 | 56 | 65.7 | 46 | (89.4) | 34 |
| Gombe | 43.7 | 64 | 50.0 | 35 | (78.4) | 22 |
| Imo | 86.4 | 67 | 50.5 | 49 | (95.2) | 26 |
| Jigawa | 68.3 | 167 | (8.6) | 61 | (15.0) | 35 |
| Kaduna | 79.0 | 208 | 56.7 | 124 | 66.9 | 105 |
| Kano | 56.9 | 292 | 39.7 | 199 | 57.4 | 138 |
| Katsina | 65.5 | 251 | 33.9 | 120 | 39.7 | 103 |
| Kebbi | 34.3 | 112 | 13.8 | 51 | (32.6) | 21 |
| Kogi | 82.2 | 71 | 38.2 | 55 | 50.0 | 42 |
| Kwara | 95.2 | 52 | 52.6 | 49 | (75.4) | 35 |
| Lagos | 63.7 | 155 | 83.4 | 165 | 86.5 | 159 |
| Nasarawa | 81.5 | 80 | 59.1 | 76 | 61.8 | 72 |
| Niger | 59.0 | 198 | 18.5 | 107 | 26.0 | 76 |
| Ogun | 71.8 | 59 | 90.1 | 50 | 94.4 | 48 |
| Ondo | 63.1 | 96 | 78.1 | 77 | 95.1 | 63 |
| Osun | 67.5 | 62 | 1.4 | 69 | (*) | 4 |
| Oyo | 47.1 | 133 | 52.3 | 100 | (90.4) | 58 |
| Plateau | 83.0 | 131 | 76.7 | 130 | 85.8 | 116 |
| Rivers | 85.2 | 63 | 78.2 | 74 | 82.9 | 70 |
| Sokoto | 18.7 | 114 | 12.1 | 43 | (*) | 19 |
| Taraba | 89.9 | 53 | 40.2 | 50 | (56.9) | 35 |
| Yobe | 41.8 | 143 | (25.1) | 61 | (34.6) | 44 |
| Zamfara | 47.9 | 166 | 42.9 | 113 | 50.6 | 96 |
| FCT Abuja | 98.0 | 38 | 79.5 | 30 | 86.5 | 27 |

¹ MICS indicator 7.7 - Primary completion rate

² MICS indicator 7.8 - Transition rate to secondary school

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table ED.8: Education gender parity

Ratio of adjusted net attendance ratios of girls to boys, in primary and secondary school, Nigeria, 2016-17

| | Primary school | | | Secondary school | | |
|------------------------------------|---|--|--|---|--|--|
| | Primary school adjusted net attendance ratio (NAR), girls | Primary school adjusted net attendance ratio (NAR), boys | Gender parity index (GPI) for primary school adjusted NAR ¹ | Secondary school adjusted net attendance ratio (NAR), girls | Secondary school adjusted net attendance ratio (NAR), boys | Gender parity index (GPI) for secondary school adjusted NAR ² |
| Total | 59.2 | 62.6 | 0.95 | 46.2 | 47.4 | 0.97 |
| Geopolitical zone | | | | | | |
| North Central | 67.5 | 72.0 | 0.94 | 51.2 | 1.0 | |
| North East | 44.0 | 48.8 | 0.90 | 32.5 | 0.9 | 0.86 |
| North West | 47.4 | 50.8 | 0.93 | 36.4 | 0.8 | 1.10 |
| South East | 88.8 | 88.3 | 1.01 | 69.8 | 1.1 | 1.06 |
| South South | 86.9 | 86.5 | 1.00 | 73.6 | 1.1 | 0.99 |
| South West | 85.6 | 85.2 | 1.01 | 72.4 | 1.1 | |
| Residence | | | | | | |
| Urban | 79.5 | 80.5 | 0.99 | 65.8 | 66.4 | 0.99 |
| Rural | 50.2 | 54.8 | 0.92 | 35.1 | 37.7 | 0.93 |
| Mother's education | | | | | | |
| None | 41.5 | 46.5 | 0.89 | 27.8 | 29.6 | 0.94 |
| Non-formal | 38.5 | 44.4 | 0.87 | 24.8 | 28.0 | 0.89 |
| Primary | 77.5 | 79.6 | 0.97 | 59.1 | 58.5 | 1.01 |
| Secondary | 85.4 | 86.8 | 0.98 | 78.3 | 75.8 | 1.03 |
| Higher | 91.3 | 91.6 | 1.00 | 79.5 | 81.6 | 0.97 |
| Cannot be determined ^a | 71.4 | 72.0 | 0.99 | 41.5 | 59.1 | 0.70 |
| Wealth index quintile | | | | | | |
| Poorest | 23.7 | 28.6 | 0.83 | 9.3 | 13.6 | 0.68 |
| Second | 50.3 | 55.0 | 0.91 | 25.6 | 33.3 | 0.77 |
| Middle | 65.6 | 71.7 | 0.92 | 43.2 | 53.7 | 0.80 |
| Fourth | 78.1 | 80.2 | 0.97 | 68.8 | 62.5 | 1.10 |
| Richest | 91.6 | 89.4 | 1.02 | 80.6 | 80.4 | 1.00 |
| Ethnicity of household head | | | | | | |
| Hausa | 44.6 | 48.5 | 0.92 | 28.3 | 32.8 | 0.86 |
| Igbo | 88.0 | 87.5 | 1.01 | 77.0 | 69.7 | 1.10 |
| Yoruba | 86.0 | 87.5 | 0.98 | 76.8 | 72.4 | 1.06 |
| Other ethnic group | 71.5 | 73.9 | 0.97 | 57.1 | 57.4 | 0.99 |

¹ MICS indicator 7.9; MDG indicator 3.1 - Gender parity index (primary school)² MICS indicator 7.10; MDG indicator 3.1 - Gender parity index (secondary school)^a Children age 15 or higher at the time of the interview whose mothers were not living in the household

na: not applicable

Table ED.8: Education gender parity (continued)

Ratio of adjusted net attendance ratios of girls to boys, in primary and secondary school, Nigeria, 2016-17

| | Primary school | | | Secondary school | | |
|--------------|---|--|--|---|--|--|
| | Primary school adjusted net attendance ratio (NAR), girls | Primary school adjusted net attendance ratio (NAR), boys | Gender parity index (GPI) for primary school adjusted NAR ¹ | Secondary school adjusted net attendance ratio (NAR), girls | Secondary school adjusted net attendance ratio (NAR), boys | Gender parity index (GPI) for secondary school adjusted NAR ² |
| Total | 59.2 | 62.6 | 0.9 | 46.2 | 47.4 | 1.0 |
| State | | | | | | |
| Abia | 95.6 | 91.3 | 1.0 | 79.2 | 71.9 | 1.1 |
| Adamawa | 55.8 | 59.7 | 0.9 | 37.8 | 42.7 | 0.9 |
| Akwa Ibom | 82.7 | 84.9 | 1.0 | 78.2 | 75.6 | 1.0 |
| Anambra | 92.9 | 93.8 | 1.0 | 83.3 | 74.9 | 1.1 |
| Bauchi | 36.4 | 40.9 | 0.9 | 18.4 | 24.2 | 0.8 |
| Bayelsa | 86.6 | 83.3 | 1.0 | 77.6 | 73.1 | 1.1 |
| Benue | 73.0 | 69.3 | 1.1 | 52.5 | 51.2 | 1.0 |
| Borno | 48.1 | 58.4 | 0.8 | 41.5 | 39.3 | 1.1 |
| Cross River | 86.8 | 82.8 | 1.0 | 83.0 | 73.2 | 1.1 |
| Delta | 83.4 | 86.9 | 1.0 | 69.7 | 70.9 | 1.0 |
| Ebonyi | 80.3 | 77.1 | 1.0 | 54.9 | 54.4 | 1.0 |
| Edo | 91.7 | 91.2 | 1.0 | 83.2 | 74.0 | 1.1 |
| Ekiti | 90.7 | 87.9 | 1.0 | 78.3 | 77.4 | 1.0 |
| Enugu | 89.3 | 86.8 | 1.0 | 79.7 | 70.2 | 1.1 |
| Gombe | 36.2 | 39.8 | 0.9 | 25.8 | 26.2 | 1.0 |
| Imo | 87.7 | 91.3 | 1.0 | 83.3 | 76.3 | 1.1 |
| Jigawa | 37.3 | 39.9 | 0.9 | 17.4 | 21.7 | 0.8 |
| Kaduna | 68.0 | 65.1 | 1.0 | 40.8 | 47.4 | 0.9 |
| Kano | 53.0 | 56.7 | 0.9 | 39.3 | 45.3 | 0.9 |
| Katsina | 57.8 | 55.8 | 1.0 | 29.7 | 43.3 | 0.7 |
| Kebbi | 31.3 | 37.8 | 0.8 | 24.3 | 22.6 | 1.1 |
| Kogi | 86.0 | 87.4 | 1.0 | 65.3 | 64.6 | 1.0 |
| Kwara | 85.5 | 86.6 | 1.0 | 66.1 | 60.9 | 1.1 |
| Lagos | 97.0 | 94.5 | 1.0 | 83.4 | 79.9 | 1.0 |
| Nasarawa | 68.4 | 73.1 | 0.9 | 42.7 | 53.8 | 0.8 |
| Niger | 45.9 | 58.1 | 0.8 | 35.9 | 34.8 | 1.0 |
| Ogun | 87.8 | 87.7 | 1.0 | 76.5 | 74.1 | 1.0 |
| Ondo | 92.3 | 91.4 | 1.0 | 79.5 | 76.0 | 1.0 |
| Osun | 75.3 | 71.0 | 1.1 | 67.2 | 65.6 | 1.0 |
| Oyo | 72.7 | 76.1 | 1.0 | 73.0 | 62.7 | 1.2 |
| Plateau | 75.5 | 76.2 | 1.0 | 48.0 | 57.6 | 0.8 |
| Rivers | 90.7 | 90.4 | 1.0 | 82.4 | 73.9 | 1.1 |
| Sokoto | 28.7 | 35.1 | 0.8 | 16.3 | 17.0 | 1.0 |
| Taraba | 58.5 | 57.9 | 1.0 | 37.4 | 39.3 | 1.0 |
| Yobe | 37.6 | 38.0 | 1.0 | 21.2 | 27.0 | 0.8 |
| Zamfara | 33.8 | 47.2 | 0.7 | 24.8 | 35.2 | 0.7 |
| FCT Abuja | 86.1 | 86.4 | 1.0 | 64.6 | 62.2 | 1.0 |

¹ MICS indicator 7.9; MDG indicator 3.1 - Gender parity index (primary school)² MICS indicator 7.10; MDG indicator 3.1 - Gender parity index (secondary school)^a Children age 15 or higher at the time of the interview whose mothers were not living in the household

na: not applicable

Table ED.9: Out of school gender parity

Percentage of girls in the total out of school population, in primary and secondary school, Nigeria, 2016-17

| | Primary school | | | | Secondary school | | | |
|------------------------------------|--------------------------------------|--|---|--|--------------------------------------|--|---|--|
| | Percentage of out of school children | Number of children of primary school age | Percentage of girls in the total out of school population of primary school age | Number of children of primary school age out of school | Percentage of out of school children | Number of children of secondary school age | Percentage of girls in the total out of school population of secondary school age | Number of children of secondary school age out of school |
| Total | 27.2 | 33,647 | 50.8 | 9,142 | 25.8 | 24,855 | 51.7 | 6,423 |
| Geopolitical zone | | | | | | | | |
| North Central | 23.8 | 5,598 | 50.8 | 1,335 | 20.7 | 4,242 | 52.2 | 879 |
| North East | 39.8 | 7,557 | 53.3 | 3,009 | 37.3 | 5,423 | 50.1 | 2,021 |
| North West | 29.9 | 12,412 | 49.8 | 3,717 | 33.5 | 8,632 | 53.4 | 2,889 |
| South East | 11.3 | 1,917 | 46.2 | 217 | 7.7 | 1,524 | 50.2 | 118 |
| South South | 13.3 | 2,641 | 47.1 | 350 | 8.5 | 2,271 | 49.3 | 194 |
| South West | 14.6 | 3,522 | 49.0 | 513 | 11.7 | 2,763 | 46.8 | 322 |
| Residence | | | | | | | | |
| Urban | 14.0 | 10,296 | 52.5 | 1,441 | 12.6 | 8,723 | 52.9 | 1,096 |
| Rural | 33.0 | 23,351 | 50.5 | 7,700 | 33.0 | 16,132 | 51.4 | 5,327 |
| Mother's education | | | | | | | | |
| None | 50.1 | 11,283 | 51.0 | 5,651 | 44.9 | 7,489 | 47.7 | 3,363 |
| Non-formal | 18.2 | 7,550 | 50.9 | 1,378 | 19.5 | 4,566 | 45.4 | 891 |
| Primary | 17.8 | 5,946 | 49.9 | 1,060 | 14.2 | 4,526 | 45.3 | 644 |
| Secondary | 13.0 | 6,616 | 50.6 | 862 | 7.2 | 3,890 | 51.8 | 281 |
| Higher | 8.3 | 2,181 | 53.2 | 180 | 7.7 | 1,540 | 53.5 | 119 |
| Cannot be determined ^a | 22.4 | 48 | 31.0 | 11 | 39.8 | 2,829 | 72.1 | 1,125 |
| Wealth index quintile | | | | | | | | |
| Poorest | 50.9 | 7,766 | 49.7 | 3,957 | 53.6 | 5,032 | 48.7 | 2,698 |
| Second | 32.4 | 7,302 | 52.9 | 2,367 | 35.9 | 4,896 | 52.3 | 1,759 |
| Middle | 19.9 | 6,743 | 51.7 | 1,339 | 20.3 | 5,097 | 59.8 | 1,032 |
| Fourth | 15.5 | 6,294 | 52.5 | 978 | 10.3 | 5,180 | 46.7 | 536 |
| Richest | 9.0 | 5,542 | 44.8 | 501 | 8.5 | 4,650 | 55.2 | 397 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 33.4 | 18,483 | 51.4 | 6,179 | 35.8 | 12,738 | 52.2 | 4,558 |
| Igbo | 11.7 | 2,686 | 47.6 | 313 | 9.2 | 2,137 | 43.7 | 197 |
| Yoruba | 13.2 | 3,300 | 52.5 | 436 | 10.9 | 2,738 | 47.9 | 298 |
| Other ethnic group | 24.1 | 9,177 | 49.5 | 2,214 | 18.9 | 7,242 | 52.0 | 1,370 |

^a Children age 15 or higher at the time of the interview whose mothers were not living in the household

na: not applicable

Table ED.9: Out of school gender parity (continued)

| Percentage of girls in the total out of school population, in primary and secondary school, Nigeria, 2016-17 | | | | | | | | |
|--|--------------------------------------|--|---|--|--------------------------------------|--|---|--|
| | Primary school | | | | Secondary school | | | |
| | Percentage of out of school children | Number of children of primary school age | Percentage of girls in the total out of school population of primary school age | Number of children of primary school age out of school | Percentage of out of school children | Number of children of secondary school age | Percentage of girls in the total out of school population of secondary school age | Number of children of secondary school age out of school |
| Total | 27.2 | 33,647 | 50.8 | 9,142 | 25.8 | 24,855 | 51.7 | 6,423 |
| State | | | | | | | | |
| Abia | 6.6 | 269 | (33.0) | 18 | 9.5 | 201 | (43.7) | 19 |
| Adamawa | 41.8 | 864 | 51.9 | 361 | 34.7 | 616 | 55.7 | 214 |
| Akwa Ibom | 16.1 | 550 | 48.5 | 89 | 8.1 | 496 | (47.7) | 40 |
| Anambra | 6.6 | 469 | (49.0) | 31 | 5.0 | 372 | (*) | 19 |
| Bauchi | 60.7 | 1,820 | 52.3 | 1,105 | 64.2 | 1,220 | 48.6 | 783 |
| Bayelsa | 15.1 | 219 | 44.6 | 33 | 10.8 | 178 | 55.8 | 19 |
| Benue | 28.8 | 873 | 47.1 | 252 | 13.1 | 738 | 58.5 | 96 |
| Borno | 16.3 | 2,318 | 70.7 | 379 | 14.4 | 1,688 | 55.5 | 243 |
| Cross River | 15.1 | 580 | 42.5 | 87 | 9.9 | 469 | (50.8) | 46 |
| Delta | 14.6 | 434 | 51.0 | 63 | 7.7 | 373 | (57.8) | 29 |
| Ebonyi | 21.4 | 389 | 44.4 | 83 | 12.7 | 302 | 56.4 | 38 |
| Edo | 8.6 | 355 | (47.4) | 30 | 4.9 | 293 | (*) | 14 |
| Ekiti | 10.7 | 166 | (43.3) | 18 | 9.3 | 123 | (49.2) | 11 |
| Enugu | 11.3 | 338 | 42.4 | 38 | 7.5 | 285 | (52.4) | 22 |
| Gombe | 58.1 | 645 | 52.8 | 375 | 53.1 | 480 | 46.5 | 255 |
| Imo | 10.4 | 451 | 55.6 | 47 | 5.4 | 404 | (*) | 22 |
| Jigawa | 44.7 | 1,776 | 49.2 | 794 | 48.6 | 1,152 | 51.9 | 560 |
| Kaduna | 24.2 | 1,976 | 48.2 | 479 | 29.7 | 1,586 | 53.4 | 472 |
| Kano | 20.8 | 2,726 | 48.0 | 566 | 21.5 | 1,950 | 58.9 | 419 |
| Katsina | 34.8 | 2,193 | 46.8 | 763 | 41.1 | 1,410 | 56.6 | 579 |
| Kebbi | 33.6 | 1,108 | 51.4 | 372 | 39.5 | 766 | 46.6 | 302 |
| Kogi | 13.3 | 542 | 50.1 | 72 | 12.0 | 424 | 51.5 | 51 |
| Kwara | 13.9 | 447 | 48.8 | 62 | 16.5 | 387 | 47.8 | 64 |
| Lagos | 4.3 | 1,053 | (33.8) | 45 | 11.9 | 815 | 38.3 | 97 |
| Nasarawa | 27.8 | 735 | 50.5 | 204 | 27.8 | 533 | 60.0 | 148 |
| Niger | 29.2 | 1,646 | 54.4 | 481 | 29.3 | 1,067 | 46.8 | 313 |
| Ogun | 12.2 | 360 | 50.4 | 44 | 10.3 | 323 | (53.6) | 33 |
| Ondo | 8.2 | 556 | 47.8 | 45 | 8.4 | 9,405 | (54.5) | 34 |
| Osun | 26.9 | 492 | 46.5 | 132 | 10.5 | 458 | (53.6) | 48 |
| Oyo | 25.5 | 895 | 53.9 | 229 | 15.4 | 640 | 46.6 | 98 |
| Plateau | 20.9 | 1,106 | 48.6 | 231 | 19.9 | 882 | 52.7 | 176 |
| Rivers | 9.4 | 502 | (49.6) | 47 | 9.8 | 462 | (38.6) | 45 |
| Sokoto | 29.9 | 1,019 | 48.8 | 305 | 33.1 | 678 | 49.2 | 225 |
| Taraba | 39.2 | 548 | 47.2 | 215 | 34.4 | 388 | 48.8 | 133 |
| Yobe | 42.2 | 1,363 | 47.1 | 575 | 38.1 | 1,031 | 49.4 | 393 |
| Zamfara | 27.1 | 1,615 | 59.3 | 438 | 30.5 | 1,089 | 52.8 | 332 |
| FCT Abuja | 13.0 | 249 | 48.9 | 32 | 14.9 | 210 | 56.6 | 31 |

^a Children age 15 or higher at the time of the interview whose mothers were not living in the household
na: not applicable

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

XI. Child Protection

Birth Registration

Table CP.1: Birth registration

Percentage of children under age 5 by whether birth is registered and percentage of children not registered whose mothers/caretakers know how to register birth, Nigeria, 2016-17

| | Children under age 5 whose birth is registered with civil authorities | | | | Number of children under age 5 | Children under age 5 whose birth is not registered | |
|------------------------------------|---|-------------|----------------------|-------------------------------|--------------------------------|--|---|
| | Has birth certificate | | No birth certificate | Total registered ¹ | | Percent of children whose mother/caretaker knows how to register birth | Number of children under age 5 without birth registration |
| | Seen | Not seen | | | | | |
| Total | 23.0 | 20.2 | 3.7 | 46.9 | 28,085 | 27.0 | 14,916 |
| Geopolitical zone | | | | | | | |
| North Central | 22.9 | 18.1 | 4.1 | 45.1 | 4,616 | 24.5 | 2534 |
| North East | 17.8 | 16.2 | 2.8 | 36.9 | 6,041 | 30.8 | 3812 |
| North West | 17.7 | 16.5 | 3.0 | 37.1 | 10,635 | 19.2 | 6692 |
| South East | 42.2 | 33.6 | 7.2 | 82.9 | 1,550 | 47.5 | 265 |
| South South | 30.0 | 28.8 | 5.7 | 64.6 | 2,273 | 43.2 | 805 |
| South West | 37.8 | 31.0 | 4.0 | 72.8 | 2,968 | 59.7 | 807 |
| Sex | | | | | | | |
| Male | 23.5 | 20.3 | 3.4 | 47.3 | 14,213 | 27.0 | 7490 |
| Female | 22.5 | 20.0 | 4.0 | 46.5 | 13,872 | 27.1 | 7426 |
| Residence | | | | | | | |
| Urban | 38.8 | 27.2 | 3.5 | 69.5 | 8,553 | 49.0 | 2613 |
| Rural | 16.2 | 17.1 | 3.8 | 37.0 | 19,532 | 22.4 | 12303 |
| Age (Months) | | | | | | | |
| 0-11 | 20.7 | 13.4 | 4.4 | 38.5 | 5,363 | 32.6 | 3297 |
| 12-23 | 25.3 | 19.9 | 3.7 | 48.8 | 5,535 | 27.7 | 2833 |
| 24-35 | 24.0 | 21.6 | 3.5 | 49.2 | 5,514 | 25.4 | 2802 |
| 36-47 | 22.1 | 22.5 | 3.2 | 47.8 | 5,818 | 24.3 | 3037 |
| 48-59 | 23.1 | 22.9 | 3.7 | 49.7 | 5,856 | 24.5 | 2946 |
| Mother's education | | | | | | | |
| None | 11.3 | 14.8 | 2.4 | 28.5 | 8,134 | 19.3 | 5819 |
| Non-formal | 11.1 | 11.0 | 2.4 | 24.5 | 6,196 | 19.6 | 4679 |
| Primary | 25.7 | 22.6 | 5.2 | 53.5 | 4,330 | 34.2 | 2013 |
| Secondary | 36.5 | 28.3 | 5.5 | 70.3 | 7,245 | 52.2 | 2148 |
| Higher | 50.6 | 34.5 | 3.2 | 88.3 | 2,178 | 69.2 | 255 |
| Wealth index quintile | | | | | | | |
| Poorest | 6.6 | 9.4 | 2.2 | 18.3 | 6,369 | 13.7 | 5204 |
| Second | 13.2 | 15.2 | 3.1 | 31.6 | 6,018 | 21.0 | 4118 |
| Middle | 21.0 | 19.3 | 4.4 | 44.7 | 5,549 | 36.1 | 3068 |
| Fourth | 32.3 | 29.7 | 5.3 | 67.3 | 5,156 | 46.9 | 1687 |
| Richest | 48.6 | 30.9 | 3.8 | 83.2 | 4,993 | 66.6 | 838 |
| Ethnicity of household head | | | | | | | |
| Hausa | 17.8 | 15.3 | 2.9 | 36.0 | 15,592 | 21.8 | 9984 |
| Igbo | 41.6 | 33.2 | 5.7 | 80.5 | 2,310 | 51.7 | 450 |
| Yoruba | 38.3 | 33.2 | 3.8 | 75.3 | 2,640 | 63.7 | 652 |
| Other ethnic group | 22.9 | 21.6 | 4.7 | 49.2 | 7,543 | 31.6 | 3830 |

¹ MICS indicator 8.1 - Birth registration

Table CP.1: Birth registration (continued)

Percentage of children under age 5 by whether birth is registered and percentage of children not registered whose mothers/caretakers know how to register birth, Nigeria, 2016-17

| | Children under age 5 whose birth is registered with civil authorities | | | | Children under age 5 whose birth is not registered | | |
|--------------|---|-------------|----------------------|-------------------------------|--|--|---|
| | Has birth certificate | | No birth certificate | Total registered ¹ | Number of children under age 5 | Percent of children whose mother/caretaker knows how to register birth | Number of children under age 5 without birth registration |
| | Seen | Not seen | | | | | |
| Total | 23.0 | 20.2 | 3.7 | 46.9 | 28,085 | 27.0 | 14,916 |
| State | | | | | | | |
| Abia | 28.8 | 45.2 | 8.2 | 82.3 | 224 | 65.4 | 40 |
| Adamawa | 36.8 | 23.9 | 4.4 | 65.1 | 624 | 43.7 | 218 |
| Akwa Ibom | 30.2 | 26.6 | 5.1 | 61.8 | 600 | 49.2 | 229 |
| Anambra | 70.8 | 21.9 | 1.8 | 94.5 | 383 | (47.0) | 21 |
| Bauchi | 15.3 | 7.8 | 3.2 | 26.2 | 1,524 | 23.7 | 1,124 |
| Bayelsa | 17.1 | 26.6 | 5.4 | 49.0 | 177 | 39.4 | 90 |
| Benue | 22.4 | 15.7 | 6.2 | 44.3 | 697 | 39.8 | 389 |
| Borno | 22.8 | 26.3 | 1.9 | 51.0 | 1,851 | 55.0 | 908 |
| Cross River | 19.1 | 24.3 | 6.8 | 50.2 | 393 | 27.2 | 196 |
| Delta | 27.3 | 33.1 | 6.0 | 66.4 | 409 | 52.9 | 137 |
| Ebonyi | 33.8 | 38.9 | 3.5 | 76.2 | 271 | 18.0 | 64 |
| Edo | 55.6 | 29.3 | 2.6 | 87.5 | 281 | 57.1 | 35 |
| Ekiti | 35.7 | 38.2 | 9.2 | 83.0 | 125 | 73.9 | 21 |
| Enugu | 38.5 | 34.6 | 8.2 | 81.4 | 268 | 56.9 | 50 |
| Gombe | 14.4 | 12.8 | 2.3 | 29.6 | 534 | 16.4 | 376 |
| Imo | 30.5 | 33.9 | 13.4 | 77.8 | 405 | 55.6 | 90 |
| Jigawa | 8.1 | 14.6 | 0.9 | 23.6 | 1,399 | 7.0 | 1,069 |
| Kaduna | 26.4 | 26.0 | 2.7 | 55.1 | 1,607 | 31.7 | 722 |
| Kano | 19.2 | 12.4 | 3.7 | 35.3 | 2,325 | 22.0 | 1,504 |
| Katsina | 28.7 | 14.5 | 2.8 | 46.0 | 2,066 | 40.6 | 1,116 |
| Kebbi | 15.8 | 11.8 | 6.1 | 33.7 | 935 | 12.0 | 620 |
| Kogi | 28.9 | 29.8 | 4.3 | 63.0 | 372 | 12.7 | 137 |
| Kwara | 30.7 | 32.6 | 3.7 | 67.0 | 358 | 42.2 | 118 |
| Lagos | 47.9 | 32.0 | 2.3 | 82.3 | 1,054 | 89.9 | 187 |
| Nasarawa | 19.1 | 15.9 | 1.9 | 37.0 | 607 | 21.3 | 383 |
| Niger | 16.8 | 11.2 | 2.1 | 30.0 | 1,270 | 15.6 | 888 |
| Ogun | 29.7 | 27.7 | 2.8 | 60.2 | 295 | 61.3 | 117 |
| Ondo | 28.2 | 33.1 | 7.2 | 68.5 | 408 | 35.7 | 128 |
| Osun | 31.8 | 35.6 | 5.1 | 72.5 | 342 | 62.1 | 94 |
| Oyo | 35.3 | 26.3 | 3.7 | 65.2 | 745 | 46.9 | 259 |
| Plateau | 23.3 | 19.1 | 6.5 | 48.8 | 1,103 | 26.6 | 564 |
| Rivers | 30.9 | 32.9 | 7.7 | 71.5 | 412 | 45.9 | 118 |
| Sokoto | 5.7 | 22.2 | 1.6 | 29.5 | 975 | 6.6 | 688 |
| Taraba | 10.1 | 18.4 | 4.1 | 32.5 | 422 | 16.7 | 285 |
| Yobe | 6.8 | 7.5 | 2.7 | 17.0 | 1,085 | 22.6 | 901 |
| Zamfara | 7.4 | 16.1 | 3.2 | 26.7 | 1,328 | 7.6 | 973 |
| FCT-Abuja | 46.5 | 23.6 | 4.0 | 74.1 | 209 | 52.0 | 54 |

¹ MICS indicator 8.1 - Birth registration

() Sample data are based on 25-49 unweighted cases

Child Labour

Table CP.2: Children's involvement in economic activities

Percentage of children by involvement in economic activities during the last week, according to age groups, Nigeria, 2016-17

| | Percentage of children age 5-11 years involved in economic activity for at least one hour | Number of children age 5-11 years | Percentage of children age 12-14 years involved in: | | Number of children age 12-14 years | Percentage of children age 15-17 years involved in: | | Number of children age 15-17 years |
|------------------------------------|---|-----------------------------------|---|--|------------------------------------|---|--|------------------------------------|
| | | | Economic activity less than 14 hours | Economic activity for 14 hours or more | | Economic activity less than 43 hours | Economic activity for 43 hours or more | |
| Total | 43.2 | 37,469 | 60.1 | 10.9 | 13,328 | 73.2 | 1.6 | 10,312 |
| Geopolitical zone | | | | | | | | |
| North Central | 47.5 | 6,221 | 65.3 | 10.8 | 2,281 | 77.7 | 2.1 | 1,853 |
| North East | 38.4 | 8,332 | 57.2 | 11.0 | 3,023 | 72.8 | 0.5 | 2,241 |
| North West | 48.8 | 13,860 | 62.6 | 13.5 | 4,621 | 73.8 | 1.7 | 3,541 |
| South East | 38.4 | 2,211 | 62.0 | 4.8 | 741 | 76.7 | 0.5 | 664 |
| South South | 40.4 | 3,015 | 67.5 | 4.0 | 1,121 | 72.8 | 1.7 | 939 |
| South West | 31.0 | 3,829 | 44.1 | 10.7 | 1,542 | 62.0 | 3.2 | 1,074 |
| Sex | | | | | | | | |
| Male | 44.9 | 19,178 | 64.0 | 10.9 | 6,135 | 78.2 | 2.2 | 5,780 |
| Female | 41.4 | 18,291 | 56.7 | 10.8 | 7,193 | 66.7 | 0.8 | 4,532 |
| Residence | | | | | | | | |
| Urban | 25.9 | 11,217 | 45.8 | 5.9 | 4,760 | 62.2 | 1.7 | 3,758 |
| Rural | 50.5 | 26,252 | 68.0 | 13.6 | 8,568 | 79.5 | 1.5 | 6,554 |
| School attendance | | | | | | | | |
| Yes | 41.4 | 28,222 | 58.0 | 9.1 | 10,609 | 71.6 | 1.3 | 6,673 |
| No | 48.7 | 9,248 | 68.0 | 17.8 | 2,720 | 76.1 | 2.0 | 3,638 |
| Mother's education | | | | | | | | |
| None | 48.9 | 12,711 | 64.9 | 15.3 | 4,418 | 84.1 | 1.6 | 2,642 |
| Non-formal | 51.9 | 8,258 | 62.6 | 11.4 | 2,992 | 82.6 | 1.9 | 1,757 |
| Primary | 42.9 | 6,495 | 66.2 | 11.3 | 2,343 | 72.1 | 2.2 | 1,610 |
| Secondary | 31.4 | 7,531 | 50.4 | 5.8 | 2,515 | 63.8 | 1.7 | 1,392 |
| Higher | 21.1 | 2,410 | 40.8 | 2.1 | 972 | 40.8 | 0.6 | 537 |
| Wealth index quintile | | | | | | | | |
| Poorest | 58.1 | 8,671 | 72.7 | 16.2 | 2,790 | 89.2 | 0.7 | 2,030 |
| Second | 54.7 | 8,071 | 67.9 | 14.4 | 2,623 | 82.0 | 3.0 | 1,970 |
| Middle | 42.0 | 7,642 | 63.2 | 11.6 | 2,705 | 77.2 | 1.7 | 2,053 |
| Fourth | 30.8 | 7,017 | 53.5 | 7.4 | 2,706 | 66.7 | 0.5 | 2,314 |
| Richest | 22.2 | 6,069 | 41.5 | 4.2 | 2,504 | 50.9 | 2.1 | 1,945 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 46.1 | 20,649 | 61.1 | 13.0 | 6,893 | 74.0 | 1.4 | 5,360 |
| Igbo | 34.1 | 3,119 | 58.0 | 5.6 | 1,045 | 67.4 | 1.8 | 940 |
| Yoruba | 30.1 | 3,428 | 47.4 | 10.3 | 1,617 | 65.5 | 2.6 | 1,047 |
| Other ethnic group | 44.4 | 10,274 | 64.2 | 8.7 | 3,774 | 76.2 | 1.5 | 2,965 |

^a Children age 15 or higher at the time of the interview whose mothers were not living in the household

Table CP.2: Children's involvement in economic activities (continued)

Percentage of children by involvement in economic activities during the last week, according to age groups, Nigeria, 2016-17

| | Percentage of children age 5-11 years involved in economic activity for at least one hour | Number of children age 5-11 years | Percentage of children age 12-14 years involved in: | | Number of children age 12-14 years | Percentage of children age 15-17 years involved in: | | Number of children age 15-17 years |
|--------------|---|-----------------------------------|---|--|------------------------------------|---|--|------------------------------------|
| | | | Economic activity less than 14 hours | Economic activity for 14 hours or more | | Economic activity less than 43 hours | Economic activity for 43 hours or more | |
| Total | 43.2 | 37,469 | 60.1 | 10.9 | 13,328 | 73.2 | 1.6 | 10,312 |
| State | | | | | | | | |
| Abia | 37.0 | 295 | 60.3 | 3.7 | 111 | 76.3 | 0.0 | 87 |
| Adamawa | 38.9 | 987 | 59.4 | 10.9 | 326 | 69.2 | 0.0 | 245 |
| Akwa Ibom | 50.4 | 640 | 86.7 | 0.2 | 236 | 82.1 | 4.2 | 220 |
| Anambra | 32.6 | 551 | 53.2 | 5.7 | 180 | 65.7 | 1.4 | 142 |
| Bauchi | 51.8 | 2,018 | 69.7 | 13.1 | 595 | 81.2 | 0.0 | 489 |
| Bayelsa | 32.5 | 258 | 68.8 | 6.3 | 69 | 72.1 | 0.0 | 81 |
| Benue | 44.2 | 965 | 74.2 | 7.2 | 417 | 85.2 | 5.1 | 284 |
| Borno | 23.7 | 2,554 | 41.1 | 5.9 | 919 | 63.4 | 0.0 | 713 |
| Cross River | 58.9 | 662 | 72.3 | 2.1 | 227 | 79.7 | 1.5 | 174 |
| Delta | 30.4 | 501 | 64.8 | 6.3 | 181 | 83.9 | 0.6 | 168 |
| Ebonyi | 30.9 | 458 | 55.5 | 2.1 | 139 | 73.5 | 0.0 | 138 |
| Edo | 18.0 | 389 | 54.7 | 1.5 | 157 | 45.0 | 0.0 | 123 |
| Ekiti | 25.7 | 190 | 70.2 | 6.4 | 67 | 74.5 | 0.0 | 45 |
| Enugu | 35.2 | 374 | 69.5 | 0.0 | 125 | 75.1 | 0.0 | 144 |
| Gombe | 55.5 | 755 | 62.5 | 15.6 | 239 | 85.9 | 2.6 | 217 |
| Imo | 53.5 | 533 | 71.5 | 10.0 | 185 | 91.6 | 0.7 | 153 |
| Jigawa | 54.1 | 1,873 | 75.5 | 7.9 | 652 | 80.5 | 0.0 | 366 |
| Kaduna | 26.9 | 2,310 | 57.5 | 10.9 | 781 | 62.1 | 0.1 | 618 |
| Kano | 45.2 | 3,141 | 59.5 | 12.2 | 1,055 | 71.4 | 0.6 | 771 |
| Katsina | 57.9 | 2,399 | 58.7 | 20.4 | 815 | 75.4 | 6.0 | 618 |
| Kebbi | 54.5 | 1,175 | 74.7 | 10.0 | 448 | 85.5 | 0.4 | 351 |
| Kogi | 39.8 | 608 | 71.5 | 7.6 | 185 | 65.1 | 1.9 | 197 |
| Kwara | 24.0 | 449 | 52.0 | 7.1 | 256 | 66.3 | 0.0 | 137 |
| Lagos | 12.3 | 1,114 | 20.9 | 2.2 | 454 | 35.6 | 4.9 | 338 |
| Nasarawa | 49.5 | 776 | 61.9 | 18.6 | 268 | 81.3 | 7.1 | 267 |
| Niger | 64.9 | 1,872 | 63.3 | 16.6 | 570 | 83.3 | 0.0 | 488 |
| Ogun | 27.8 | 409 | 47.3 | 10.6 | 201 | 73.9 | 0.8 | 98 |
| Ondo | 41.1 | 600 | 42.6 | 12.3 | 220 | 78.4 | 0.5 | 125 |
| Osun | 54.5 | 516 | 63.9 | 16.5 | 220 | 76.9 | 4.0 | 214 |
| Oyo | 36.0 | 1,000 | 54.7 | 17.4 | 378 | 69.6 | 2.9 | 254 |
| Plateau | 36.2 | 1,285 | 67.3 | 6.4 | 482 | 78.0 | 0.0 | 380 |
| Rivers | 35.2 | 566 | 54.6 | 8.6 | 250 | 63.4 | 1.6 | 172 |
| Sokoto | 48.4 | 1,164 | 69.3 | 1.7 | 417 | 75.9 | 0.6 | 249 |
| Taraba | 44.1 | 575 | 63.7 | 8.7 | 221 | 80.5 | 2.8 | 183 |
| Yobe | 34.2 | 1,443 | 62.7 | 14.9 | 723 | 70.7 | 0.0 | 393 |
| Zamfara | 62.2 | 1,798 | 49.1 | 31.0 | 453 | 75.9 | 2.6 | 567 |
| FCT-Abuja | 42.0 | 266 | 60.6 | 8.6 | 102 | 59.4 | 1.7 | 100 |

* Children age 15 or higher at the time of the interview whose mothers were not living in the household

Table CP.3: Children's involvement in household chores

Percentage of children by involvement in household chores during the last week, according to age groups, Nigeria, 2016-17

| | Percentage of children age 5-11 years involved in: | | Number of children age 5-11 years | Percentage of children age 12-14 years involved in: | | Number of children age 12-14 years | Percentage of children age 15-17 years involved in: | | Number of children age 15-17 years |
|------------------------------------|--|---------------------------------------|-----------------------------------|---|---------------------------------------|------------------------------------|---|---------------------------------------|------------------------------------|
| | Household chores less than 28 hours | Household chores for 28 hours or more | | Household chores less than 28 hours | Household chores for 28 hours or more | | Household chores less than 43 hours | Household chores for 43 hours or more | |
| Total | 79.8 | 4.8 | 37,469 | 85.5 | 8.5 | 13,328 | 91.0 | 4.0 | 10,312 |
| Geopolitical zone | | | | | | | | | |
| North Central | 79.8 | 5.5 | 6,221 | 86.4 | 9.5 | 2,281 | 91.0 | 4.8 | 1,853 |
| North East | 78.3 | 5.5 | 8,332 | 79.1 | 11.6 | 3,023 | 89.4 | 6.5 | 2,241 |
| North West | 78.6 | 4.3 | 13,860 | 83.9 | 7.9 | 4,621 | 89.2 | 2.1 | 3,541 |
| South East | 83.1 | 6.0 | 2,211 | 89.3 | 7.6 | 741 | 94.3 | 3.9 | 664 |
| South South | 84.3 | 3.0 | 3,015 | 93.8 | 4.7 | 1,121 | 95.1 | 4.4 | 939 |
| South West | 82.1 | 4.6 | 3,829 | 93.3 | 5.9 | 1,542 | 94.3 | 3.2 | 1,074 |
| Sex | | | | | | | | | |
| Male | 77.7 | 4.4 | 19,178 | 86.9 | 7.7 | 6,135 | 91.2 | 4.3 | 5,780 |
| Female | 82.0 | 5.2 | 18,291 | 84.2 | 9.2 | 7,193 | 90.6 | 3.5 | 4,532 |
| Residence | | | | | | | | | |
| Urban | 79.2 | 3.7 | 11,217 | 86.5 | 5.6 | 4,760 | 92.4 | 2.2 | 3,758 |
| Rural | 80.1 | 5.2 | 26,252 | 84.8 | 10.1 | 8,568 | 90.2 | 5.0 | 6,554 |
| School attendance | | | | | | | | | |
| Yes | 82.1 | 4.6 | 28,222 | 86.0 | 7.9 | 10,609 | 91.9 | 3.6 | 6,673 |
| No | 72.7 | 5.3 | 9,248 | 83.4 | 11.0 | 2,720 | 89.3 | 4.7 | 3,638 |
| Mother's education | | | | | | | | | |
| None | 77.3 | 5.7 | 12,711 | 82.7 | 12.1 | 4,418 | 90.3 | 4.4 | 2,642 |
| Non-formal | 81.3 | 5.1 | 8,258 | 88.6 | 6.2 | 2,992 | 95.3 | 2.3 | 1,757 |
| Primary | 81.5 | 4.7 | 6,495 | 91.7 | 6.7 | 2,343 | 95.4 | 2.8 | 1,610 |
| Secondary | 81.8 | 3.9 | 7,531 | 80.6 | 8.9 | 2,515 | 85.3 | 6.8 | 1,392 |
| Higher | 77.8 | 1.6 | 2,410 | 87.3 | 2.7 | 972 | 85.7 | 3.4 | 537 |
| Wealth index quintile | | | | | | | | | |
| Poorest | 79.2 | 6.3 | 8,671 | 82.7 | 11.7 | 2,790 | 92.2 | 4.1 | 2,030 |
| Second | 78.4 | 6.3 | 8,071 | 88.0 | 8.9 | 2,623 | 90.5 | 3.9 | 1,970 |
| Middle | 82.9 | 3.9 | 7,642 | 86.1 | 9.2 | 2,705 | 92.8 | 3.5 | 2,053 |
| Fourth | 81.5 | 3.7 | 7,017 | 81.8 | 8.3 | 2,706 | 89.4 | 5.0 | 2,314 |
| Richest | 76.8 | 2.9 | 6,069 | 89.2 | 4.2 | 2,504 | 90.1 | 3.2 | 1,945 |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 79.6 | 4.3 | 20,649 | 84.2 | 9.8 | 6,893 | 90.2 | 3.2 | 5,360 |
| Igbo | 82.4 | 5.6 | 3,119 | 91.4 | 5.8 | 1,045 | 94.9 | 3.1 | 940 |
| Yoruba | 81.2 | 4.8 | 3,428 | 91.8 | 6.8 | 1,617 | 93.1 | 3.8 | 1,047 |
| Other ethnic group | 78.9 | 5.4 | 10,274 | 83.4 | 7.7 | 3,774 | 90.3 | 5.8 | 2,965 |

^a Children age 15 or higher at the time of the interview whose mothers were not living in the household

Table CP.3: Children's involvement in household chores (continued)

Percentage of children by involvement in household chores during the last week, according to age groups, Nigeria, 2016-17

| | Percentage of children age 5-11 years involved in: | | | Percentage of children age 12-14 years involved in: | | | Percentage of children age 15-17 years involved in: | | |
|--------------|--|---------------------------------------|-----------------------------------|---|---------------------------------------|------------------------------------|---|---------------------------------------|------------------------------------|
| | Household chores less than 28 hours | Household chores for 28 hours or more | Number of children age 5-11 years | Household chores less than 28 hours | Household chores for 28 hours or more | Number of children age 12-14 years | Household chores less than 43 hours | Household chores for 43 hours or more | Number of children age 15-17 years |
| | | | | | | | | | |
| Total | 79.8 | 4.8 | 37,469 | 85.5 | 8.5 | 13,328 | 91.0 | 4.0 | 10,312 |
| State | | | | | | | | | |
| Abia | 87.3 | 4.2 | 295 | 95.4 | 3.5 | 111 | 88.4 | 9.6 | 87 |
| Adamawa | 67.4 | 9.6 | 987 | 75.9 | 17.1 | 326 | 85.6 | 12.0 | 245 |
| Akwa Ibom | 82.0 | 1.9 | 640 | 93.0 | 5.9 | 236 | 96.8 | 1.7 | 220 |
| Anambra | 82.8 | 7.5 | 551 | 91.0 | 9.0 | 180 | 92.4 | 7.6 | 142 |
| Bauchi | 78.9 | 0.4 | 2,018 | 90.8 | 4.2 | 595 | 95.2 | 3.6 | 489 |
| Bayelsa | 80.5 | 5.1 | 258 | 87.8 | 10.7 | 69 | 91.7 | 6.9 | 81 |
| Benue | 75.7 | 7.9 | 965 | 86.2 | 9.2 | 417 | 84.8 | 8.9 | 284 |
| Borno | 83.3 | 3.8 | 2,554 | 63.0 | 16.4 | 919 | 90.3 | 7.7 | 713 |
| Cross River | 93.4 | 0.6 | 662 | 99.6 | 0.4 | 227 | 100.0 | 0.0 | 174 |
| Delta | 85.0 | 2.0 | 501 | 95.7 | 3.1 | 181 | 98.2 | 1.8 | 168 |
| Ebonyi | 79.1 | 6.7 | 458 | 86.0 | 7.5 | 139 | 96.9 | 1.2 | 138 |
| Edo | 83.5 | 0.0 | 389 | 91.2 | 3.5 | 157 | 98.4 | 1.6 | 123 |
| Ekiti | 82.1 | 4.9 | 190 | 95.2 | 3.7 | 67 | 94.9 | 2.0 | 45 |
| Enugu | 85.3 | 1.7 | 374 | 92.9 | 0.5 | 125 | 94.5 | 0.0 | 144 |
| Gombe | 76.4 | 15.9 | 755 | 84.2 | 12.1 | 239 | 80.5 | 7.6 | 217 |
| Imo | 83.1 | 7.9 | 533 | 83.8 | 13.7 | 185 | 96.9 | 3.1 | 153 |
| Jigawa | 76.2 | 4.5 | 1,873 | 84.7 | 6.3 | 652 | 86.6 | 2.4 | 366 |
| Kaduna | 73.7 | 1.1 | 2,310 | 87.5 | 1.2 | 781 | 86.0 | 0.3 | 618 |
| Kano | 81.5 | 5.5 | 3,141 | 81.6 | 3.8 | 1,055 | 83.5 | 1.9 | 771 |
| Katsina | 81.5 | 5.4 | 2,399 | 77.5 | 20.7 | 815 | 96.7 | 0.8 | 618 |
| Kebbi | 72.0 | 7.8 | 1,175 | 86.6 | 10.7 | 448 | 91.9 | 5.0 | 351 |
| Kogi | 82.4 | 5.6 | 608 | 84.0 | 10.8 | 185 | 90.3 | 3.9 | 197 |
| Kwara | 63.7 | 5.9 | 449 | 81.3 | 15.1 | 256 | 80.9 | 6.2 | 137 |
| Lagos | 80.9 | 2.5 | 1,114 | 94.2 | 3.7 | 454 | 95.4 | 2.0 | 338 |
| Nasarawa | 84.9 | 6.8 | 776 | 85.4 | 12.1 | 268 | 91.7 | 8.3 | 267 |
| Niger | 86.3 | 6.0 | 1,872 | 88.6 | 9.7 | 570 | 96.7 | 3.3 | 488 |
| Ogun | 76.6 | 4.1 | 409 | 96.6 | 3.4 | 201 | 93.3 | 4.0 | 98 |
| Ondo | 85.9 | 3.1 | 600 | 91.4 | 8.6 | 220 | 93.2 | 6.8 | 125 |
| Osun | 92.1 | 3.6 | 516 | 91.3 | 7.5 | 220 | 96.3 | 0.6 | 214 |
| Oyo | 78.2 | 8.4 | 1,000 | 92.4 | 7.6 | 378 | 92.0 | 5.2 | 254 |
| Plateau | 76.2 | 2.7 | 1,285 | 88.5 | 6.5 | 482 | 91.9 | 1.9 | 380 |
| Rivers | 78.2 | 8.8 | 566 | 91.2 | 7.9 | 250 | 84.2 | 15.8 | 172 |
| Sokoto | 82.0 | 0.7 | 1,164 | 87.8 | 5.2 | 417 | 91.0 | 1.9 | 249 |
| Taraba | 80.0 | 9.8 | 575 | 81.8 | 13.8 | 221 | 85.7 | 7.8 | 183 |
| Yobe | 76.4 | 5.8 | 1,443 | 88.8 | 8.4 | 723 | 89.4 | 3.2 | 393 |
| Zamfara | 80.3 | 4.5 | 1,798 | 87.1 | 8.7 | 453 | 91.6 | 3.8 | 567 |
| FCT-Abuja | 72.9 | 2.3 | 266 | 84.2 | 0.0 | 102 | 90.6 | 2.4 | 100 |

^a Children age 15 or higher at the time of the interview whose mothers were not living in the household

Table CP.4: Child labour

Percentage of children age 5-17 years by involvement in economic activities or household chores during the last week, percentage working under hazardous conditions during the last week, and percentage engaged in child labour during the last week, Nigeria, 2016-17

| | Children involved in economic activities for a total number of hours during last week: | | Children involved in household chores for a total number of hours during last week: | | Children working under hazardous conditions | Total child labour ¹ | Number of children age 5-17 years |
|------------------------------------|--|--|---|--|---|---------------------------------|-----------------------------------|
| | Below the age specific threshold | At or above the age specific threshold | Below the age specific threshold | At or above the age specific threshold | | | |
| Total | 32.8 | 29.1 | 82.9 | 5.5 | 39.1 | 50.8 | 61,109 |
| Geopolitical zone | | | | | | | |
| North Central | 35.0 | 31.3 | 83.3 | 6.3 | 49.6 | 56.8 | 10,355 |
| North East | 33.3 | 26.1 | 80.3 | 7.1 | 34.1 | 47.2 | 13,596 |
| North West | 33.2 | 33.8 | 81.4 | 4.7 | 41.9 | 55.1 | 22,022 |
| South East | 33.5 | 24.5 | 86.4 | 5.9 | 36.1 | 46.6 | 3,616 |
| South South | 34.2 | 25.2 | 88.4 | 3.6 | 37.9 | 48.7 | 5,075 |
| South West | 25.0 | 21.5 | 86.8 | 4.7 | 25.4 | 38.0 | 6,445 |
| Sex | | | | | | | |
| Male | 34.2 | 30.3 | 82.0 | 5.1 | 42.8 | 54.3 | 31,093 |
| Female | 31.2 | 27.9 | 83.9 | 5.9 | 35.1 | 47.2 | 30,016 |
| Residence | | | | | | | |
| Urban | 28.7 | 16.5 | 83.5 | 3.9 | 24.4 | 33.4 | 19,735 |
| Rural | 34.7 | 35.1 | 82.7 | 6.2 | 46.0 | 59.1 | 41,374 |
| Age (years) | | | | | | | |
| 5-11 | 12.0 | 43.2 | 79.8 | 4.8 | 33.2 | 49.9 | 37,469 |
| 12-14 | 60.1 | 10.9 | 85.5 | 8.5 | 45.7 | 51.4 | 13,328 |
| 15-17 | 73.2 | 1.6 | 91.0 | 4.0 | 51.6 | 53.3 | 10,312 |
| School attendance | | | | | | | |
| Yes | 31.5 | 28.0 | 84.5 | 5.2 | 37.5 | 48.7 | 45,503 |
| No | 36.6 | 32.4 | 78.4 | 6.2 | 43.6 | 56.9 | 15,606 |
| Mother's education | | | | | | | |
| None | 34.0 | 35.0 | 80.2 | 6.9 | 43.5 | 57.5 | 19,771 |
| Non-formal | 33.9 | 35.8 | 84.9 | 5.0 | 45.5 | 58.5 | 13,007 |
| Primary | 32.8 | 29.5 | 86.0 | 4.9 | 42.2 | 51.7 | 10,448 |
| Secondary | 26.1 | 22.2 | 81.9 | 5.4 | 27.5 | 39.0 | 11,438 |
| Higher | 20.9 | 13.6 | 81.2 | 2.1 | 16.1 | 24.7 | 3,919 |
| Cannot be determined ^a | 39.0 | 30.5 | 85.6 | 4.8 | 45.8 | 57.1 | 15,381 |
| Wealth index quintile | | | | | | | |
| Poorest | 37.6 | 40.8 | 81.9 | 7.1 | 50.3 | 66.5 | 13,491 |
| Second | 35.2 | 38.3 | 82.3 | 6.5 | 49.2 | 62.9 | 12,663 |
| Middle | 34.7 | 28.7 | 85.2 | 5.0 | 42.4 | 52.7 | 12,399 |
| Fourth | 31.2 | 19.7 | 83.1 | 5.0 | 30.7 | 39.8 | 12,037 |
| Richest | 23.2 | 14.2 | 82.2 | 3.3 | 17.9 | 26.6 | 10,519 |
| Ethnicity of household head | | | | | | | |
| Hausa | 33.2 | 31.9 | 82.3 | 5.3 | 39.0 | 52.6 | 32,901 |
| Igbo | 29.9 | 22.3 | 86.6 | 5.2 | 32.1 | 41.8 | 5,104 |
| Yoruba | 28.7 | 20.1 | 86.0 | 5.2 | 26.6 | 38.5 | 6,092 |
| Other ethnic group | 34.2 | 29 | 81.9 | 6 | 45.6 | 54.6 | 17,012 |

¹ MICS indicator 8.2 - Child labour

^a Children age 15 or higher at the time of the interview whose mothers were not living in the household

Table CP.4: Child labour (continued)

Percentage of children age 5-17 years by involvement in economic activities or household chores during the last week, percentage working under hazardous conditions during the last week, and percentage engaged in child labour during the last week, Nigeria, 2016-17

| | Children involved in economic activities for a total number of hours during last week: | | Children involved in household chores for a total number of hours during last week: | | Children working under hazardous conditions | Total child labour ¹ | Number of children age 5-17 years |
|--------------|--|--|---|--|---|---------------------------------|-----------------------------------|
| | Below the age specific threshold | At or above the age specific threshold | Below the age specific threshold | At or above the age specific threshold | | | |
| Total | 32.8 | 29.1 | 82.9 | 5.5 | 39.1 | 50.8 | 61,109 |
| State | | | | | | | |
| Abia | 31.1 | 22.9 | 89.3 | 5.0 | 40.0 | 47.9 | 494 |
| Adamawa | 33.9 | 26.9 | 72.0 | 11.6 | 33.4 | 49.1 | 1,558 |
| Akwa Ibom | 42.2 | 30.3 | 87.3 | 2.7 | 40.8 | 56.8 | 1,097 |
| Anambra | 29.3 | 22.0 | 86.1 | 7.8 | 25.9 | 37.5 | 873 |
| Bauchi | 28.2 | 36.2 | 83.8 | 1.6 | 23.3 | 48.5 | 3,102 |
| Bayelsa | 36.9 | 21.6 | 84.0 | 6.4 | 37.9 | 45.9 | 408 |
| Benue | 42.6 | 28.3 | 79.9 | 8.4 | 48.5 | 57.5 | 1,666 |
| Borno | 32.8 | 15.7 | 80.0 | 7.2 | 29.6 | 37.4 | 4,186 |
| Cross River | 29.9 | 37.3 | 95.8 | 0.5 | 56.0 | 64.4 | 1,063 |
| Delta | 38.3 | 19.4 | 89.9 | 2.2 | 37.0 | 44.8 | 849 |
| Ebonyi | 30.3 | 19.6 | 83.7 | 5.8 | 34.8 | 41.3 | 735 |
| Edo | 29.1 | 10.8 | 88.0 | 1.1 | 21.1 | 25.2 | 670 |
| Ekiti | 38.8 | 17.5 | 86.9 | 4.2 | 26.0 | 37.1 | 303 |
| Enugu | 37.1 | 20.5 | 88.8 | 1.1 | 26.1 | 37.8 | 642 |
| Gombe | 35.5 | 38.1 | 78.7 | 13.7 | 50.3 | 62.3 | 1,212 |
| Imo | 39.1 | 35.0 | 85.7 | 8.3 | 52.5 | 65.8 | 871 |
| Jigawa | 35.6 | 36.9 | 79.4 | 4.6 | 38.1 | 53.6 | 2,891 |
| Kaduna | 31.3 | 19.0 | 78.7 | 1.0 | 39.0 | 43.5 | 3,708 |
| Kano | 37.5 | 31.3 | 81.8 | 4.6 | 44.4 | 53.6 | 4,967 |
| Katsina | 29.2 | 41.6 | 83.1 | 7.9 | 36.6 | 59.9 | 3,832 |
| Kebbi | 41.2 | 34.8 | 78.8 | 7.9 | 62.9 | 70.8 | 1,974 |
| Kogi | 39.1 | 26.2 | 84.2 | 6.2 | 50.6 | 57.4 | 990 |
| Kwara | 30.4 | 15.0 | 71.9 | 8.8 | 22.9 | 35.2 | 842 |
| Lagos | 13.6 | 8.6 | 86.6 | 2.7 | 11.2 | 16.9 | 1,906 |
| Nasarawa | 33.1 | 34.5 | 86.4 | 8.2 | 55.9 | 62.5 | 1,311 |
| Niger | 32.7 | 44.7 | 88.5 | 6.3 | 58.7 | 64.9 | 2,930 |
| Ogun | 30.2 | 19.2 | 84.6 | 3.9 | 21.2 | 35.1 | 708 |
| Ondo | 26.1 | 29.0 | 88.2 | 4.9 | 26.5 | 45.8 | 946 |
| Osun | 37.9 | 34.3 | 92.8 | 3.8 | 52.6 | 62.2 | 950 |
| Oyo | 25.5 | 26.5 | 83.6 | 7.7 | 27.3 | 45.3 | 1,632 |
| Plateau | 34.4 | 23.1 | 81.8 | 3.4 | 48.4 | 52.7 | 2,147 |
| Rivers | 28.8 | 22.6 | 82.5 | 9.8 | 27.2 | 43.2 | 988 |
| Sokoto | 32.1 | 31.2 | 84.6 | 1.9 | 30.1 | 46.3 | 1,831 |
| Taraba | 33.1 | 28.3 | 81.5 | 10.3 | 47.7 | 57.7 | 979 |
| Yobe | 38.8 | 23.5 | 81.9 | 6.1 | 42.3 | 49.6 | 2,559 |
| Zamfara | 26.5 | 45.2 | 83.7 | 5.1 | 45.1 | 63.0 | 2,819 |
| FCT-Abuja | 29.7 | 26.1 | 79.1 | 1.8 | 31.8 | 44.7 | 468 |

¹ MICS indicator 8.2 - Child labour

^a Children age 15 or higher at the time of the interview whose mothers were not living in the household

Child Discipline

Table CP.5: Child discipline

Percentage of children age 1-14 years by child disciplining methods experienced during the last one month, Nigeria, 2016-17

| | Percentage of children age 1-14 years who experienced: | | | | | Number of children age 1-14 years |
|------------------------------------|--|--------------------------|---------------------|-------------|--|-----------------------------------|
| | Only non-violent discipline | Psychological aggression | Physical punishment | | Any violent discipline method ¹ | |
| | | | Any | Severe | | |
| Total | 8.1 | 76.2 | 72.0 | 29.5 | 84.9 | 73,066 |
| Geopolitical zone | | | | | | |
| North Central | 6.5 | 81.9 | 79.3 | 36.1 | 90.3 | 12,172 |
| North East | 10.1 | 72.1 | 69.2 | 23.7 | 83.4 | 16,160 |
| North West | 9.8 | 70.4 | 64.2 | 29.0 | 78.1 | 26,893 |
| South East | 4.5 | 84.4 | 83.6 | 39.7 | 92.7 | 4,164 |
| South South | 4.0 | 86.7 | 83.6 | 31.0 | 93.6 | 5,949 |
| South West | 5.0 | 83.1 | 78.6 | 26.4 | 91.8 | 7,728 |
| Sex | | | | | | |
| Male | 7.6 | 76.7 | 74.1 | 31.1 | 85.8 | 36,728 |
| Female | 8.5 | 75.7 | 69.9 | 27.9 | 83.9 | 36,339 |
| Residence | | | | | | |
| Urban | 7.1 | 78.6 | 73.4 | 29.3 | 87.4 | 22,705 |
| Rural | 8.5 | 75.1 | 71.4 | 29.6 | 83.7 | 50,362 |
| Age (years) | | | | | | |
| 1-2 | 10.0 | 62.2 | 60.6 | 18.9 | 72.7 | 10,614 |
| 3-4 | 7.3 | 76.7 | 74.3 | 28.4 | 86.3 | 11,654 |
| 5-9 | 7.2 | 79.4 | 75.6 | 31.8 | 88.1 | 28,069 |
| 10-14 | 8.6 | 78.5 | 71.8 | 32.3 | 85.8 | 22,729 |
| Education of household head | | | | | | |
| None | 9.9 | 74.7 | 69.7 | 28.0 | 83.0 | 15,686 |
| Non-formal | 8.9 | 73.1 | 66.2 | 30.3 | 81.2 | 16,089 |
| Primary | 6.9 | 76.6 | 75.6 | 30.1 | 86.2 | 13,684 |
| Secondary | 6.0 | 80.0 | 77.4 | 31.6 | 88.8 | 17,404 |
| Higher | 9.1 | 75.9 | 70.8 | 26.2 | 84.8 | 10,050 |
| Wealth index quintile | | | | | | |
| Poorest | 10.3 | 69.2 | 64.7 | 26.3 | 77.7 | 16,455 |
| Second | 9.4 | 74.5 | 69.8 | 30.2 | 83.0 | 15,631 |
| Middle | 6.4 | 78.8 | 74.9 | 30.2 | 88.5 | 14,688 |
| Fourth | 5.9 | 79.2 | 77.8 | 32.6 | 88.8 | 13,683 |
| Richest | 7.6 | 81.1 | 74.7 | 28.8 | 88.1 | 12,610 |
| Ethnicity of household head | | | | | | |
| Hausa | 9.5 | 72.5 | 66.7 | 27.9 | 81.1 | 39,722 |
| Igbo | 5.4 | 82.7 | 80.9 | 36.2 | 91.1 | 5,914 |
| Yoruba | 5.7 | 82.7 | 78.8 | 28.6 | 91.1 | 7,230 |
| Other ethnic group | 6.9 | 79.1 | 77.5 | 31.1 | 88.3 | 20,200 |

¹ MICS indicator 8.3 - Violent discipline

Table CP.5: Child discipline (continued)

Percentage of children age 1-14 years by child disciplining methods experienced during the last one month, Nigeria, 2016-17

| | Percentage of children age 1-14 years who experienced: | | | | | Number of children age 1-14 years |
|--------------|--|-----------------------------|---------------------|-------------|---|--------------------------------------|
| | Only non- violent discipline | Psychological aggression | Physical punishment | | Any violent discipline method ¹ | |
| | | | Any | Severe | | |
| Total | 8.1 | 76.2 | 72.0 | 29.5 | 84.9 | 73,066 |
| State | | | | | | |
| Abia | 3.0 | 88.7 | 84.2 | 36.1 | 94.0 | 582 |
| Adamawa | 13.4 | 57.3 | 55.3 | 18.1 | 64.4 | 1,785 |
| Akwa Ibom | 5.2 | 78.1 | 87.4 | 29.3 | 93.5 | 1,341 |
| Anambra | 3.5 | 88.6 | 85.7 | 52.8 | 96.0 | 1,021 |
| Bauchi | 8.8 | 73.6 | 69.9 | 18.4 | 87.7 | 3,943 |
| Bayelsa | 1.9 | 94.2 | 90.1 | 45.1 | 98.0 | 480 |
| Benue | 4.9 | 83.3 | 85.5 | 30.7 | 90.6 | 1,949 |
| Borno | 10.6 | 67.5 | 70.0 | 25.5 | 83.8 | 4,920 |
| Cross River | 0.8 | 93.0 | 89.2 | 29.1 | 97.7 | 1,204 |
| Delta | 3.7 | 84.4 | 75.2 | 29.3 | 90.1 | 999 |
| Ebonyi | 3.0 | 81.6 | 81.1 | 33.3 | 91.4 | 797 |
| Edo | 6.6 | 84.9 | 75.0 | 39.6 | 89.3 | 775 |
| Ekiti | 13.3 | 79.4 | 61.6 | 17.0 | 85.2 | 357 |
| Enugu | 10.7 | 73.3 | 79.8 | 35.1 | 86.1 | 725 |
| Gombe | 8.9 | 82.9 | 78.1 | 39.0 | 88.6 | 1,384 |
| Imo | 3.0 | 87.7 | 85.7 | 36.8 | 94.4 | 1,039 |
| Jigawa | 21.5 | 56.0 | 47.4 | 18.1 | 67.2 | 3,794 |
| Kaduna | 1.7 | 92.0 | 87.4 | 51.4 | 95.4 | 4,405 |
| Kano | 11.2 | 74.1 | 67.7 | 26.2 | 82.5 | 5,933 |
| Katsina | 11.3 | 72.3 | 70.4 | 24.8 | 83.3 | 4,789 |
| Kebbi | 4.3 | 61.4 | 58.7 | 31.5 | 69.3 | 2,356 |
| Kogi | 10.1 | 75.2 | 79.5 | 34.3 | 86.8 | 1,118 |
| Kwara | 13.9 | 73.8 | 61.2 | 28.3 | 78.2 | 1,031 |
| Lagos | 7.4 | 80.5 | 73.1 | 25.8 | 87.0 | 2,437 |
| Nasarawa | 3.7 | 86.2 | 76.9 | 21.0 | 94.0 | 1,535 |
| Niger | 2.9 | 89.4 | 82.6 | 51.2 | 95.1 | 3,390 |
| Ogun | 5.1 | 83.7 | 78.7 | 21.0 | 91.4 | 841 |
| Ondo | 2.5 | 86.4 | 77.3 | 28.0 | 93.4 | 1,171 |
| Osun | 2.4 | 91.8 | 87.2 | 37.3 | 97.4 | 1,019 |
| Oyo | 3.4 | 80.3 | 85.2 | 24.5 | 95.2 | 1,903 |
| Plateau | 10.0 | 76.3 | 78.5 | 33.5 | 88.4 | 2,607 |
| Rivers | 5.4 | 90.0 | 83.5 | 24.6 | 93.5 | 1,149 |
| Sokoto | 10.3 | 48.0 | 36.0 | 14.9 | 53.7 | 2,320 |
| Taraba | 3.9 | 86.3 | 85.9 | 32.5 | 94.0 | 1,128 |
| Yobe | 11.9 | 76.2 | 64.8 | 20.7 | 82.3 | 2,999 |
| Zamfara | 6.1 | 71.1 | 61.3 | 31.3 | 75.7 | 3,295 |
| FCT-Abuja | 4.2 | 74.6 | 80.5 | 35.1 | 87.7 | 544 |

¹ MICS indicator 8.3 - Violent discipline

Table CP.6: Attitudes toward physical punishment

Percentage of respondents to the child discipline module who believe that physical punishment is needed to bring up, raise, or educate a child properly, Nigeria, 2016-17

| | Respondent believes that a child needs to be physically punished | Number of respondents to the child discipline module |
|--|--|--|
| Total | 62.3 | 22,410 |
| Geopolitical zone | | |
| North Central | 73.1 | 3,778 |
| North East | 60.2 | 4,250 |
| North West | 51.3 | 6,930 |
| South East | 61.0 | 1,665 |
| South South | 76.1 | 2,394 |
| South West | 66.3 | 3,393 |
| Sex | | |
| Male | 62.3 | 11,105 |
| Female | 62.3 | 11,305 |
| Residence | | |
| Urban | 62.9 | 7,618 |
| Rural | 62.0 | 14,793 |
| Age (Years) | | |
| <25 | 60.0 | 2,149 |
| 25-39 | 62.5 | 9,881 |
| 40-59 | 62.8 | 7,796 |
| 60+ | 61.8 | 2,556 |
| Respondent's relationship to selected child | | |
| Mother | 62.4 | 8,498 |
| Father | 62.2 | 9,456 |
| Other | 62.2 | 4,456 |
| Respondent's education | | |
| None | 60.5 | 5,023 |
| Non-formal | 52.9 | 3,954 |
| Primary | 67.9 | 4,116 |
| Secondary | 66.4 | 6,344 |
| Higher | 61.5 | 2,969 |
| Wealth index quintile | | |
| Poorest | 55.2 | 4,306 |
| Second | 60.4 | 4,434 |
| Middle | 65.7 | 4,399 |
| Fourth | 66.7 | 4,480 |
| Richest | 63.2 | 4,791 |
| Ethnicity of household head | | |
| Hausa | 54.4 | 10,273 |
| Igbo | 62.2 | 2,371 |
| Yoruba | 67.1 | 3,197 |
| Other ethnic group | 72.4 | 6,569 |

Table CP.6: Attitudes toward physical punishment (continued)

Percentage of respondents to the child discipline module who believe that physical punishment is needed to bring up, raise, or educate a child properly, Nigeria, 2016-17

| | Respondent believes that a child needs to be physically punished | Number of respondents to the child discipline module |
|--------------|--|--|
| Total | 62.3 | 22,410 |
| State | | |
| Abia | 79.5 | 247 |
| Adamawa | 67.4 | 518 |
| Akwa Ibom | 73.5 | 533 |
| Anambra | 83.5 | 393 |
| Bauchi | 60.3 | 1,068 |
| Bayelsa | 74.7 | 170 |
| Benue | 76.1 | 660 |
| Borno | 50.3 | 1,183 |
| Cross River | 78.9 | 466 |
| Delta | 68.9 | 393 |
| Ebonyi | 43.2 | 308 |
| Edo | 77.6 | 342 |
| Ekiti | 73.6 | 175 |
| Enugu | 64.4 | 299 |
| Gombe | 62.3 | 394 |
| Imo | 39.5 | 418 |
| Jigawa | 27.9 | 897 |
| Kaduna | 77.6 | 1,193 |
| Kano | 44.6 | 1,477 |
| Katsina | 64.9 | 1,266 |
| Kebbi | 48.7 | 633 |
| Kogi | 78.7 | 394 |
| Kwara | 65.5 | 424 |
| Lagos | 61.4 | 1,105 |
| Nasarawa | 74.0 | 461 |
| Niger | 80.2 | 901 |
| Ogun | 50.5 | 356 |
| Ondo | 67.3 | 515 |
| Osun | 75.4 | 423 |
| Oyo | 72.8 | 820 |
| Plateau | 68.4 | 755 |
| Rivers | 81.4 | 491 |
| Sokoto | 25.5 | 631 |
| Taraba | 79.7 | 362 |
| Yobe | 60.1 | 726 |
| Zamfara | 51.9 | 834 |
| FCT-Abuja | 49.1 | 182 |

Early Marriage and Polygyny

Table CP.7: Early marriage and polygyny (women)

Percentage of women age 15-49 years who first married or entered a marital union before their 15th birthday, percentages of women age 20-49 years who first married or entered a marital union before their 15th and 18th birthdays, percentage of women age 15-19 years currently married or in union, and the percentage of women who are in a polygynous marriage or union, Nigeria, 2016-17

| | Women age 15-49 years | | Women age 20-49 years | | Women age 15-19 years | | Women age 15-49 years | | |
|------------------------------------|---|---------------------------------|----------------------------------|---|---------------------------------|--|---------------------------------|--|--|
| | Percentage married before age 15 ¹ | Number of women age 15-49 years | Percentage married before age 15 | Percentage married before age 18 ² | Number of women age 20-49 years | Percentage currently married/in union ³ | Number of women age 15-19 years | Percentage in polygynous marriage/union ⁴ | Number of women age 15-49 years currently married/in union |
| Total | 18.5 | 34,376 | 20.5 | 44.1 | 27,554 | 22.2 | 6,822 | 36.9 | 24,373 |
| Geopolitical zone | | | | | | | | | |
| North Central | 12.1 | 6,006 | 13.9 | 39.0 | 4,822 | 13.6 | 1,184 | 40.2 | 4,228 |
| North East | 23.4 | 6,584 | 26.4 | 56.6 | 5,242 | 26.4 | 1,343 | 43.6 | 4,852 |
| North West | 32.5 | 10,932 | 35.6 | 67.6 | 8,607 | 39.0 | 2,325 | 47.5 | 8,815 |
| South East | 4.1 | 2,445 | 4.9 | 13.9 | 1,922 | 4.7 | 523 | 6.7 | 1,310 |
| South South | 6.4 | 3,668 | 7.6 | 21.5 | 2,966 | 4.9 | 702 | 11.1 | 2,064 |
| South West | 4.4 | 4,741 | 5.1 | 14.6 | 3,996 | 4.1 | 745 | 22.1 | 3,103 |
| Residence | | | | | | | | | |
| Urban | 10.6 | 12,373 | 12.8 | 29.4 | 9,804 | 6.0 | 2,569 | 24.6 | 7,507 |
| Rural | 23.0 | 22,003 | 24.7 | 52.3 | 17,750 | 31.9 | 4,253 | 42.4 | 16,866 |
| Age (Years) | | | | | | | | | |
| 15-19 | 10.6 | 6,822 | na | na | na | 22.2 | 6,822 | 28.8 | 1,513 |
| 20-24 | 18.2 | 5,816 | 18.2 | 43.5 | 5,816 | na | na | 30.0 | 3,635 |
| 25-29 | 21.1 | 5,915 | 21.1 | 45.2 | 5,915 | na | na | 34.4 | 4,967 |
| 30-34 | 22.1 | 5,390 | 22.1 | 46.6 | 5,390 | na | na | 38.0 | 4,867 |
| 35-39 | 19.6 | 4,339 | 19.6 | 43.2 | 4,339 | na | na | 40.1 | 3,928 |
| 40-44 | 21.7 | 3,571 | 21.7 | 42.0 | 3,571 | na | na | 43.0 | 3,252 |
| 45-49 | 20.3 | 2,524 | 20.3 | 42.3 | 2,524 | na | na | 42.4 | 2,210 |
| Education | | | | | | | | | |
| None | 29.9 | 7,799 | 30.0 | 63.3 | 6,774 | 56.9 | 1,024 | 52.4 | 6,972 |
| Non-formal | 38.1 | 5,646 | 39.2 | 73.3 | 4,813 | 56.5 | 833 | 49.9 | 5,039 |
| Primary | 21.7 | 4,963 | 22.7 | 50.8 | 4,255 | 29.8 | 708 | 35.6 | 4,011 |
| Secondary | 5.7 | 12,466 | 7.8 | 22.6 | 8,378 | 6.1 | 4,088 | 18.6 | 6,278 |
| Higher | 2.8 | 3,502 | 2.9 | 8.7 | 3,334 | 0.0 | 168 | 11.3 | 2,072 |
| Wealth index quintile | | | | | | | | | |
| Poorest | 35.0 | 6,120 | 36.7 | 68.0 | 5,078 | 43.8 | 1,042 | 50.0 | 5,282 |
| Second | 27.3 | 6,478 | 29.4 | 61.1 | 5,161 | 37.1 | 1,317 | 45.2 | 5,195 |
| Middle | 17.7 | 6,708 | 20.3 | 47.7 | 5,183 | 23.9 | 1,525 | 41.0 | 4,584 |
| Fourth | 11.9 | 7,053 | 14.1 | 34.9 | 5,639 | 9.8 | 1,414 | 28.8 | 4,411 |
| Richest | 5.3 | 8,017 | 6.3 | 17.1 | 6,493 | 4.3 | 1,525 | 17.5 | 4,901 |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 29.8 | 15,920 | 32.7 | 65.3 | 12,647 | 35.4 | 3,274 | 46.8 | 12,683 |
| igbo | 3.9 | 3,558 | 4.6 | 13.5 | 2,866 | 3.9 | 692 | 6.9 | 1,999 |
| Yoruba | 4.5 | 4,380 | 5.2 | 15.9 | 3,627 | 3.4 | 752 | 24.8 | 2,811 |
| Other ethnic group | 12.2 | 10,518 | 14 | 35 | 8,414 | 14.3 | 2,104 | 32.4 | 6,880 |

¹ MICS indicator 8.4 - Marriage before age 15

² MICS indicator 8.5 - Marriage before age 18

³ MICS indicator 8.6 - Young women age 15-19 years currently married or in union

⁴ MICS indicator 8.7 - Polygyny

Table CP.7: Early marriage and polygyny (women) Continued

Percentage of women age 15-49 years who first married or entered a marital union before their 15th birthday, percentages of women age 20-49 years who first married or entered a marital union before their 15th and 18th birthdays, percentage of women age 15-19 years currently married or in union, and the percentage of women who are in a polygynous marriage or union, Nigeria, 2016-17

| | Women age 15-49 years | | Women age 20-49 years | | | Women age 15-19 years | | Women age 15-49 years | |
|--------------|---|---------------------------------|----------------------------------|---|---------------------------------|--|---------------------------------|--|--|
| | Percentage married before age 15 ¹ | Number of women age 15-49 years | Percentage married before age 15 | Percentage married before age 18 ² | Number of women age 20-49 years | Percentage currently married/in union ³ | Number of women age 15-19 years | Percentage in polygynous marriage/union ⁴ | Number of women age 15-49 years currently married/in union |
| Total | 18.5 | 34,376 | 20.5 | 44.1 | 27,554 | 22.2 | 6,822 | 36.9 | 24,373 |
| State | | | | | | | | | |
| Abia | 2.6 | 336 | 3.0 | 10.6 | 277 | 6.0 | 59 | 4.5 | 197 |
| Adamawa | 19.5 | 830 | 21.0 | 44.0 | 668 | 29.6 | 162 | 43.7 | 612 |
| Akwa Ibom | 7.0 | 834 | 8.5 | 24.6 | 681 | 4.0 | 154 | 7.2 | 457 |
| Anambra | 4.3 | 608 | 5.1 | 14.4 | 483 | 4.6 | 125 | 3.7 | 322 |
| Bauchi | 25.8 | 1,559 | 27.4 | 64.4 | 1,244 | 47.3 | 315 | 47.1 | 1,330 |
| Bayelsa | 10.7 | 260 | 12.7 | 39.3 | 209 | 8.5 | 51 | 24.2 | 143 |
| Benue | 14.4 | 956 | 17.5 | 42.8 | 758 | 13.0 | 198 | 30.9 | |
| Borno | 21.4 | 1,984 | 25.9 | 56.0 | 1,573 | 10.1 | 411 | 42.1 | 1,240 |
| Cross River | 7.6 | 693 | 9.3 | 24.9 | 540 | 5.7 | 152 | 15.6 | 391 |
| Delta | 5.5 | 584 | 6.3 | 19.8 | 472 | 7.0 | 112 | 14.6 | 354 |
| Ebonyi | 5.9 | 400 | 6.5 | 17.0 | 299 | 5.7 | 101 | 14.6 | 212 |
| Edo | 4.9 | 494 | 5.9 | 14.5 | 404 | 3.1 | 90 | 9.0 | 296 |
| Ekiti | 2.9 | 216 | 3.4 | 12.7 | 183 | 6.2 | 33 | 21.1 | 143 |
| Enugu | 4.9 | 495 | 6.1 | 16.4 | 384 | 4.7 | 111 | 5.8 | 232 |
| Gombe | 27.1 | 562 | 29.0 | 58.4 | 446 | 34.2 | 116 | 39.7 | 440 |
| Imo | 3.1 | 606 | 3.9 | 11.3 | 479 | 3.6 | 127 | 6.6 | 345 |
| Jigawa | 28.3 | 1,313 | 30.5 | 74.9 | 1,044 | 42.1 | 269 | 49.6 | 1,110 |
| Kaduna | 23.0 | 2,076 | 25.0 | 54.4 | 1,575 | 29.3 | 501 | 38.5 | 1,475 |
| Kano | 30.8 | 2,389 | 35.9 | 69.7 | 1,829 | 30.8 | 560 | 48.2 | 1,862 |
| Katsina | 39.6 | 1,950 | 42.4 | 70.9 | 1,600 | 49.3 | 351 | 53.1 | 1,671 |
| Kebbi | 24.8 | 956 | 27.5 | 66.9 | 756 | 30.9 | 199 | 45.1 | 764 |
| Kogi | 8.3 | 632 | 10.2 | 26.9 | 481 | 5.2 | 151 | 31.6 | 357 |
| Kwara | 8.8 | 487 | 9.3 | 24.2 | 410 | 19.7 | 78 | 27.5 | 357 |
| Lagos | 3.5 | 1,725 | 4.0 | 8.3 | 1,503 | 2.1 | 222 | 13.2 | 1,097 |
| Nasarawa | 12.9 | 738 | 15.0 | 42.8 | 593 | 14.2 | 145 | 43.5 | 530 |
| Niger | 13.9 | 1,536 | 15.5 | 50.1 | 1,267 | 18.4 | 269 | 52.8 | 1,227 |
| Ogun | 4.3 | 474 | 5.0 | 19.9 | 389 | 7.6 | 85 | 24.2 | 327 |
| Ondo | 5.1 | 646 | 6.0 | 19.2 | 529 | 4.2 | 117 | 23.5 | 404 |
| Osun | 6.0 | 638 | 7.0 | 21.1 | 503 | 6.0 | 136 | 32.0 | 382 |
| Oyo | 4.8 | 1,042 | 5.6 | 17.2 | 889 | 3.0 | 153 | 28.6 | 751 |
| Plateau | 12.1 | 1,317 | 13.8 | 36.4 | 1,047 | 13.6 | 270 | 39.2 | 894 |
| Rivers | 4.7 | 803 | 5.6 | 15.6 | 661 | 3.1 | 143 | 5.1 | 423 |
| Sokoto | 40.4 | 912 | 43.4 | 68.6 | 737 | 54.9 | 175 | 34.1 | 784 |
| Taraba | 16.3 | 558 | 19.1 | 43.3 | 443 | 11.8 | 115 | 30.5 | 364 |
| Yobe | 28.5 | 1,091 | 32.3 | 62.0 | 867 | 28.3 | 224 | 47.6 | 866 |
| Zamfara | 44.0 | 1,337 | 45.6 | 71.4 | 1,067 | 53.5 | 270 | 58.1 | 1,149 |
| FCT-Abuja | 6.6 | 340 | 7.7 | 22.4 | 266 | 7.4 | 74 | 27.3 | 213 |

¹ MICS indicator 8.4 - Marriage before age 15

² MICS indicator 8.5 - Marriage before age 18

³ MICS indicator 8.6 - Young women age 15-19 years currently married or in union

⁴ MICS indicator 8.7 - Polygyny

Table CP.7M: Early marriage and polygyny (men)

Percentage of men age 15-49 years who first married or entered a marital union before their 15th birthday, percentages of men age 20-49 years who first married or entered a marital union before their 15th and 18th birthdays, percentage of men age 15-19 years currently married or in union, and the percentage of men who are in a polygynous marriage or union, Nigeria, 2016-17

| | Men age 15-49 years | | Men age 20-49 years | | | Men age 15-19 years | | Men age 15-49 years | |
|------------------------------------|---|-------------------------------|----------------------------------|---|-------------------------------|--|-------------------------------|--|--|
| | Percentage married before age 15 ¹ | Number of men age 15-49 years | Percentage married before age 15 | Percentage married before age 18 ² | Number of men age 20-49 years | Percentage currently married/in union ³ | Number of men age 15-19 years | Percentage in polygynous marriage/union ⁴ | Number of men age 15-49 years currently married/in union |
| Total | 2.2 | 15,183 | 2.8 | 6.0 | 11,675 | 0.0 | 3,508 | 18.7 | 7,213 |
| Geopolitical zone | | | | | | | | | |
| North Central | 1.8 | 2,730 | 2.2 | 6.2 | 2,064 | 0.0 | 666 | 21.8 | 1,257 |
| North East | 4.0 | 2,943 | 5.2 | 9.1 | 2,220 | 0.0 | 723 | 20.1 | 1,392 |
| North West | 2.3 | 4,674 | 2.9 | 6.8 | 3,547 | 0.0 | 1,127 | 25.4 | 2,360 |
| South East | 1.0 | 984 | 1.3 | 3.1 | 754 | 0.0 | 230 | 2.5 | 400 |
| South South | 1.7 | 1,664 | 2.1 | 4.5 | 1,307 | 0.0 | 356 | 7.4 | 737 |
| South West | 1.0 | 2,189 | 1.3 | 2.7 | 1,784 | 0.0 | 406 | 12.4 | 1,066 |
| Residence | | | | | | | | | |
| Urban | 1.6 | 5,627 | 2.0 | 3.8 | 4,396 | 0.0 | 1,231 | 12.0 | 2,378 |
| Rural | 2.6 | 9,556 | 3.2 | 7.3 | 7,279 | 0.0 | 2,277 | 22.0 | 4,835 |
| Age (Years) | | | | | | | | | |
| 15-19 | 0.3 | 3,508 | na | na | na | 0.0 | 3,508 | * | * |
| 20-24 | 0.7 | 2,378 | 0.7 | 3.0 | 2,378 | na | na | 1.8 | 232 |
| 25-29 | 2.4 | 2,191 | 2.4 | 4.7 | 2,191 | na | na | 6.3 | 892 |
| 30-34 | 4.5 | 2,078 | 4.5 | 8.1 | 2,078 | na | na | 11.1 | 1,486 |
| 35-39 | 3.9 | 1,936 | 3.9 | 7.9 | 1,936 | na | na | 18.6 | 1,673 |
| 40-44 | 3.7 | 1,724 | 3.7 | 7.8 | 1,724 | na | na | 26.1 | 1,597 |
| 45-49 | 1.6 | 1,368 | 1.6 | 5.3 | 1,368 | na | na | 30.1 | 1,313 |
| Education | | | | | | | | | |
| None | 3.7 | 1,563 | 4.3 | 10.2 | 1,228 | 0.0 | 335 | 24.6 | 970 |
| Non-formal | 4.7 | 2,140 | 6.0 | 11.7 | 1,693 | 0.0 | 447 | 28.1 | 1,334 |
| Primary | 3.2 | 1,997 | 3.9 | 8.8 | 1,623 | 0.0 | 375 | 22.5 | 1,241 |
| Secondary | 1.2 | 6,861 | 1.7 | 4.0 | 4,592 | 0.0 | 2,269 | 13.3 | 2,400 |
| Higher | 1.1 | 2,622 | 1.1 | 2.1 | 2,539 | 0.0 | 83 | 10.8 | 1,269 |
| Wealth index quintile | | | | | | | | | |
| Poorest | 3.6 | 2,614 | 4.6 | 10.8 | 1,911 | 0.0 | 703 | 25.0 | 1,368 |
| Second | 3.1 | 2,901 | 4.1 | 7.9 | 2,209 | 0.0 | 691 | 26.2 | 1,534 |
| Middle | 1.8 | 2,927 | 2.2 | 5.6 | 2,209 | 0.0 | 718 | 21.0 | 1,299 |
| Fourth | 1.9 | 3,202 | 2.4 | 5.3 | 2,496 | 0.0 | 706 | 13.3 | 1,380 |
| Richest | 1.1 | 3,539 | 1.3 | 2.3 | 2,849 | 0.0 | 690 | 9.2 | 1,631 |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 3.0 | 6,958 | 3.8 | 7.8 | 5,253 | 0.0 | 1,706 | 24.9 | 3,473 |
| Igbo | 0.8 | 1,488 | 1.0 | 2.5 | 1,169 | 0.0 | 319 | 2.7 | 632 |
| Yoruba | 0.8 | 1,980 | 1.0 | 2.4 | 1,570 | 0.0 | 410 | 12.6 | 940 |
| Other ethnic group | 2.1 | 4,757 | 2.5 | 6.1 | 3,684 | 0.0 | 1,073 | 16.1 | 2,168 |

¹ MICS indicator 8.4 - Marriage before age 15^[M]

² MICS indicator 8.5 - Marriage before age 18^[M]

³ MICS indicator 8.6 - Young men age 15-19 years currently married or in union^[M]

⁴ MICS indicator 8.7 - Polygyny^[M]

Table CP.7M: Early marriage and polygyny (men) continued

Percentage of men age 15-49 years who first married or entered a marital union before their 15th birthday, percentages of men age 20-49 years who first married or entered a marital union before their 15th and 18th birthdays, percentage of men age 15-19 years currently married or in union, and the percentage of men who are in a polygynous marriage or union, Nigeria, 2016-17

| | Men age 15-49 years | | Men age 20-49 years | | | Men age 15-19 years | | Men age 15-49 years | |
|--------------|---|-------------------------------|----------------------------------|---|-------------------------------|--|-------------------------------|--|--|
| | Percentage married before age 15 ¹ | Number of men age 15-49 years | Percentage married before age 15 | Percentage married before age 18 ² | Number of men age 20-49 years | Percentage currently married/in union ³ | Number of men age 15-19 years | Percentage in polygynous marriage/union ⁴ | Number of men age 15-49 years currently married/in union |
| Total | 2.2 | 15,183 | 2.8 | 6.0 | 11,675 | 0.0 | 3,508 | 18.7 | 7,213 |
| State | | | | | | | | | |
| Abia | 0.5 | 142 | 0.6 | 1.3 | 110 | 0.0 | 32 | 0.8 | 56 |
| Adamawa | 2.7 | 389 | 3.6 | 7.9 | 293 | 0.0 | 95 | 13.6 | 181 |
| Akwa Ibom | 0.8 | 365 | 1.0 | 4.6 | 288 | 0.0 | 77 | 5.2 | 150 |
| Anambra | 2.8 | 241 | 3.6 | 5.5 | 183 | 0.0 | 58 | 1.0 | 103 |
| Bauchi | 0.7 | 681 | 1.0 | 3.0 | 505 | 0.0 | 176 | 29.6 | 378 |
| Bayelsa | 1.3 | 121 | 1.6 | 5.7 | 96 | 0.0 | 25 | 19.7 | 62 |
| Benue | 1.1 | 481 | 1.4 | 5.8 | 375 | 0.0 | 106 | 3.3 | 174 |
| Borno | 3.2 | 813 | 4.2 | 9.0 | 619 | 0.0 | 194 | 8.9 | 345 |
| Cross River | 2.1 | 275 | 2.8 | 5.3 | 208 | 0.0 | 67 | 11.7 | 137 |
| Delta | 0.8 | 258 | 1.0 | 2.3 | 200 | 0.0 | 58 | 2.6 | 121 |
| Ebonyi | 1.1 | 152 | 1.5 | 2.5 | 115 | 0.0 | 37 | 6.2 | 69 |
| Edo | 2.1 | 209 | 2.6 | 4.9 | 165 | 0.0 | 43 | 3.2 | 104 |
| Ekiti | 1.9 | 96 | 2.5 | 3.9 | 72 | 0.0 | 24 | 13.2 | 48 |
| Enugu | 0.0 | 190 | 0.0 | 2.6 | 146 | 0.0 | 44 | 2.1 | 67 |
| Gombe | 6.5 | 268 | 8.3 | 13.0 | 193 | 0.0 | 74 | 23.2 | 126 |
| Imo | 0.2 | 260 | 0.3 | 2.7 | 200 | 0.0 | 60 | 2.6 | 105 |
| Jigawa | 3.8 | 534 | 5.1 | 11.9 | 404 | 0.0 | 131 | 16.0 | 294 |
| Kaduna | 2.6 | 898 | 2.9 | 7.4 | 676 | 0.0 | 223 | 18.8 | 415 |
| Kano | 1.9 | 1,028 | 2.5 | 4.1 | 757 | 0.0 | 271 | 34.7 | 444 |
| Katsina | 0.7 | 816 | 0.8 | 4.2 | 677 | 0.0 | 139 | 30.4 | 486 |
| Kebbi | 1.4 | 426 | 2.0 | 8.9 | 305 | 0.0 | 121 | 11.3 | 198 |
| Kogi | 1.8 | 275 | 1.8 | 3.9 | 199 | 0.0 | 76 | 21.3 | 102 |
| Kwara | 2.0 | 232 | 2.7 | 6.0 | 173 | 0.0 | 59 | 8.9 | 115 |
| Lagos | 1.3 | 808 | 1.6 | 2.7 | 683 | 0.0 | 125 | 8.4 | 426 |
| Nasarawa | 2.7 | 352 | 3.6 | 9.3 | 268 | 0.0 | 85 | 22.9 | 183 |
| Niger | 2.8 | 645 | 3.4 | 8.2 | 500 | 0.0 | 144 | 35.2 | 360 |
| Ogun | 0.6 | 206 | 0.8 | 2.3 | 156 | 0.0 | 49 | 9.5 | 106 |
| Ondo | 0.5 | 293 | 0.6 | 2.5 | 240 | 0.0 | 53 | 17.7 | 133 |
| Osun | 0.5 | 296 | 0.6 | 2.6 | 235 | 0.0 | 62 | 21.8 | 112 |
| Oyo | 1.2 | 490 | 1.5 | 2.8 | 398 | 0.0 | 93 | 13.0 | 242 |
| Plateau | 0.2 | 606 | 0.3 | 2.6 | 442 | 0.0 | 164 | 20.7 | 246 |
| Rivers | 2.5 | 436 | 3.2 | 4.6 | 351 | 0.0 | 86 | 7.6 | 165 |
| Sokoto | 1.5 | 358 | 2.0 | 4.2 | 272 | 0.0 | 86 | 24.8 | 197 |
| Taraba | 2.3 | 256 | 2.8 | 6.3 | 207 | 0.0 | 49 | 23.1 | 128 |
| Yobe | 9.7 | 537 | 12.7 | 17.2 | 403 | 0.0 | 134 | 22.9 | 233 |
| Zamfara | 4.6 | 613 | 6.2 | 10.4 | 456 | 0.0 | 157 | 31.1 | 327 |
| FCT-Abuja | 3.9 | 139 | 3.8 | 8.9 | 107 | 0.0 | 32 | 21.7 | 76 |

¹ MICS indicator 8.4 - Marriage before age 15^[M]
² MICS indicator 8.5 - Marriage before age 18^[M]
³ MICS indicator 8.6 - Young men age 15-19 years currently married or in union^[M]
⁴ MICS indicator 8.7 - Polygyny^[M]

Table CP.8: Trends in early marriage (women)

Percentage of women who were first married or entered into a marital union before age 15 and 18, by area and age groups, Nigeria, 2016-17

| | Urban | | | | Rural | | | | All | | | |
|--------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|
| | Percentage of women married before age 15 | Number of women age 15-49 years | Percentage of women married before age 18 | Number of women age 20-49 years | Percentage of women married before age 15 | Number of women age 15-49 years | Percentage of women married before age 18 | Number of women age 20-49 years | Percentage of women married before age 15 | Number of women age 15-49 years | Percentage of women married before age 18 | Number of women age 20-49 years |
| Total | 10.6 | 12,373 | 29.4 | 9,804 | 23.0 | 22,003 | 52.3 | 17,750 | 18.5 | 34,376 | 44.1 | 27,554 |
| Age (years) | | | | | | | | | | | | |
| 15-19 | 2.0 | 2,569 | na | na | 15.9 | 4,253 | na | na | 10.6 | 6,822 | na | na |
| 20-24 | 9.8 | 2,062 | 24.0 | 2,062 | 22.7 | 3,754 | 54.3 | 3,754 | 18.2 | 5,816 | 43.5 | 5,816 |
| 25-29 | 11.5 | 2,051 | 29.8 | 2,051 | 26.3 | 3,864 | 53.4 | 3,864 | 21.1 | 5,915 | 45.2 | 5,915 |
| 30-34 | 12.6 | 1,963 | 29.4 | 1,963 | 27.5 | 3,427 | 56.4 | 3,427 | 22.1 | 5,390 | 46.6 | 5,390 |
| 35-39 | 13.8 | 1,569 | 27.5 | 1,569 | 22.9 | 2,770 | 52.1 | 2,770 | 19.6 | 4,339 | 43.2 | 4,339 |
| 40-44 | 15.6 | 1,286 | 32.7 | 1,286 | 25.2 | 2,285 | 47.2 | 2,285 | 21.7 | 3,571 | 42.0 | 3,571 |
| 45-49 | 18.0 | 874 | 39.7 | 874 | 21.5 | 1,651 | 43.7 | 1,651 | 20.3 | 2,524 | 42.3 | 2,524 |

na: not applicable

Table CP.8M: Trends in early marriage (men)

Percentage of men who were first married or entered into a marital union before age 15 and 18, by area and age groups, Nigeria, 2016-17

| | Urban | | | | Rural | | | | All | | | |
|--------------------|---|-------------------------------|---|-------------------------------|---|-------------------------------|---|-------------------------------|---|-------------------------------|---|-------------------------------|
| | Percentage of men married before age 15 | Number of men age 15-49 years | Percentage of men married before age 18 | Number of men age 20-49 years | Percentage of men married before age 15 | Number of men age 15-49 years | Percentage of men married before age 18 | Number of men age 20-49 years | Percentage of men married before age 15 | Number of men age 15-49 years | Percentage of men married before age 18 | Number of men age 20-49 years |
| Total | 1.6 | 5,627 | 3.8 | 4,396 | 2.6 | 9,556 | 7.3 | 7,279 | 2.2 | 15,183 | 6.0 | 11,675 |
| Age (years) | | | | | | | | | | | | |
| 15-19 | 0.3 | 1,231 | na | na | 0.3 | 2,277 | na | na | 0.3 | 3,508 | na | na |
| 20-24 | 0.5 | 896 | 0.9 | 896 | 0.8 | 1,482 | 4.2 | 1,482 | 0.7 | 2,378 | 3.0 | 2,378 |
| 25-29 | 1.2 | 806 | 2.1 | 806 | 3.1 | 1,384 | 6.2 | 1,384 | 2.4 | 2,191 | 4.7 | 2,191 |
| 30-34 | 3.5 | 802 | 5.9 | 802 | 5.1 | 1,276 | 9.5 | 1,276 | 4.5 | 2,078 | 8.1 | 2,078 |
| 35-39 | 2.5 | 743 | 5.0 | 743 | 4.8 | 1,193 | 9.7 | 1,193 | 3.9 | 1,936 | 7.9 | 1,936 |
| 40-44 | 3.0 | 670 | 5.6 | 670 | 4.2 | 1,054 | 9.2 | 1,054 | 3.7 | 1,724 | 7.8 | 1,724 |
| 45-49 | 1.4 | 478 | 4.1 | 478 | 1.8 | 890 | 5.9 | 890 | 1.6 | 1,368 | 5.3 | 1,368 |

na: not applicable

Table CP.9: Spousal age difference

Percent distribution of women currently married/in union age 15-19 and 20-24 years according to the age difference with their husband or partner, Nigeria, 2016-17

| | Percentage of currently married/in union women age 15-19 years whose husband or partner is: | | | | | Husband/ Partner's age unknown | Total | Number of women age 15-19 years currently married/ in union | Percentage of currently married/in union women age 20-24 years whose husband or partner is: | | | | | Husband/ Partner's age unknown | Total | Number of women age 20-24 years currently married/ in union |
|------------------------------------|---|-----------------|------------------------------|------------------------------|-----------------|--------------------------------|--------------|---|---|------------------------------|-------------|------------|--------------|--------------------------------|-------|---|
| | 0-4 years Younger | 5-9 years older | 10+ years older ¹ | 10+ years older ² | 0-4 years older | | | | 5-9 years older | 10+ years older ² | | | | | | |
| Total | 2.4 | 11.8 | 32.8 | 47.6 | 5.5 | 100.0 | 1,513 | 2.4 | 14.5 | 33.3 | 45.2 | 4.7 | 100.0 | 3,635 | | |
| Geopolitical zone | | | | | | | | | | | | | | | | |
| North Central | 1.0 | 18.3 | 34.2 | 41.0 | 5.5 | 100.0 | 161 | 1.4 | 17.3 | 34.8 | 42.2 | 4.3 | 100.0 | 638 | | |
| North East | 1.7 | 14.5 | 36.9 | 43.3 | 3.6 | 100.0 | 355 | 3.1 | 13.4 | 36.6 | 43.1 | 3.7 | 100.0 | 872 | | |
| North West | 3.0 | 8.3 | 30.6 | 51.8 | 6.2 | 100.0 | 907 | 3.0 | 7.5 | 30.8 | 53.0 | 5.7 | 100.0 | 1,530 | | |
| South East | 3.3 | 18.1 | 19.2 | 49.7 | 9.7 | 100.0 | 25 | 1.1 | 18.4 | 34.3 | 40.8 | 5.5 | 100.0 | 112 | | |
| South South | 0.0 | 22.7 | 38.8 | 34.8 | 3.7 | 100.0 | 34 | 1.4 | 33.9 | 35.2 | 28.3 | 1.3 | 100.0 | 222 | | |
| South West | 0.0 | 31.9 | 47.1 | 17.8 | 3.2 | 100.0 | 31 | 0.8 | 33.3 | 30.7 | 29.7 | 5.4 | 100.0 | 260 | | |
| Residence | | | | | | | | | | | | | | | | |
| Urban | 3.6 | 7.8 | 41.6 | 44.0 | 3.0 | 100.0 | 154 | 1.9 | 15.0 | 35.3 | 43.9 | 3.9 | 100.0 | 873 | | |
| Rural | 2.2 | 12.2 | 31.8 | 48.0 | 5.8 | 100.0 | 1,359 | 2.6 | 14.3 | 32.6 | 45.5 | 5.0 | 100.0 | 2,762 | | |
| Age (Years) | | | | | | | | | | | | | | | | |
| 15-19 | 2.4 | 11.8 | 32.8 | 47.6 | 5.5 | 100.0 | 1,513 | na | na | na | na | na | na | na | | |
| 20-24 | na | na | na | na | na | na | na | 2.4 | 14.5 | 33.3 | 45.2 | 4.7 | 100.0 | 3,635 | | |
| Education | | | | | | | | | | | | | | | | |
| None | 4.1 | 13.4 | 28.5 | 47.4 | 6.6 | 100.0 | 583 | 3.4 | 12.5 | 30.6 | 47.3 | 6.2 | 100.0 | 1,088 | | |
| Non-formal | 0.3 | 9.0 | 30.7 | 53.9 | 6.2 | 100.0 | 471 | 2.1 | 9.7 | 31.9 | 50.7 | 5.6 | 100.0 | 826 | | |
| Primary | 2.4 | 13.6 | 38.2 | 42.3 | 3.6 | 100.0 | 211 | 3.2 | 12.3 | 35.3 | 44.0 | 5.2 | 100.0 | 497 | | |
| Secondary | 2.2 | 11.6 | 42.4 | 40.6 | 3.2 | 100.0 | 248 | 1.6 | 21.0 | 34.8 | 39.8 | 2.9 | 100.0 | 1,095 | | |
| Higher | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.3 | 14.4 | 43.7 | 41.6 | 0.0 | 100.0 | 129 | | |
| Wealth index quintile | | | | | | | | | | | | | | | | |
| Poorest | 1.7 | 15.0 | 33.4 | 45.1 | 4.8 | 100.0 | 457 | 2.0 | 13.4 | 31.1 | 46.7 | 6.8 | 100.0 | 827 | | |
| Second | 3.6 | 10.6 | 31.4 | 46.6 | 7.8 | 100.0 | 488 | 3.6 | 12.3 | 32.4 | 46.3 | 5.3 | 100.0 | 961 | | |
| Middle | 1.2 | 8.6 | 32.5 | 53.8 | 3.9 | 100.0 | 364 | 2.2 | 13.7 | 33.5 | 47.2 | 3.3 | 100.0 | 767 | | |
| Fourth | 4.5 | 13.3 | 35.9 | 40.4 | 6.0 | 100.0 | 139 | 3.0 | 19.8 | 35.7 | 38.1 | 3.5 | 100.0 | 631 | | |
| Richest | 0.0 | 13.0 | 34.0 | 53.1 | 0.0 | 100.0 | 65 | 0.2 | 14.8 | 35.2 | 46.1 | 3.6 | 100.0 | 449 | | |
| Ethnicity of household head | | | | | | | | | | | | | | | | |
| Hausa | 2.7 | 10.8 | 31.7 | 49.6 | 5.2 | 100.0 | 1,160 | 2.5 | 9.7 | 33.2 | 49.6 | 5.0 | 100.0 | 2,294 | | |
| Igbo | 3.0 | 16.5 | 19.2 | 52.4 | 8.8 | 100.0 | 27 | 3.8 | 19.9 | 27.7 | 44.8 | 3.8 | 100.0 | 175 | | |
| Yoruba | 0.0 | 28.0 | 59.5 | 8.6 | 3.9 | 100.0 | 26 | 0.6 | 34.1 | 33.4 | 27.7 | 4.2 | 100.0 | 228 | | |
| Other ethnic group | 1.2 | 13.6 | 36.1 | 42.8 | 6.3 | 100 | 300 | 2.5 | 20.4 | 34.4 | 38.5 | 4.2 | 100 | 939 | | |

¹ MICS indicator 8.8a - Spousal age difference (among women age 15-19)² MICS indicator 8.8b - Spousal age difference (among women age 20-24)

na: not applicable

Table CP.9: Spousal age difference (continued)

Percent distribution of women currently married/in union age 15-19 and 20-24 years according to the age difference with their husband or partner, Nigeria, 2016-17

| | Percentage of currently married/in union women age 15-19 years whose husband or partner is: | | | | | | | Number of women age 15-19 years currently married/in union | Percentage of currently married/in union women age 20-24 years whose husband or partner is: | | | | | | | Number of women age 20-24 years currently married/in union |
|--------------|---|-----------------------|------------------------------------|------------------------------------|---|--------------|--------------|--|---|-------------|---|------------|--------------|--------------|--|--|
| | | | | | Husband/ Partner's age unknown | Total | | | | | Husband/ Partner's age unknown | Total | | | | |
| | 0-4 years Younger | 5-9 years older | 10+ years older ¹ | 10+ years older ² | | | | | | | | | | | | |
| Total | 2.4 | 11.8 | 32.8 | 47.6 | 5.5 | 100.0 | 1,513 | 2.4 | 14.5 | 33.3 | 45.2 | 4.7 | 100.0 | 3,635 | | |
| State | | | | | | | | | | | | | | | | |
| Abia | (*) | (*) | (*) | (*) | (*) | (*) | - | (2.8) | (13.4) | (47.4) | (26.5) | (1.0) | 100.0 | 16 | | |
| Adamawa | .7 | 9.3 | 24.7 | 62.1 | 3.2 | 100.0 | 48 | 1.8 | 3.0 | 30.3 | 57.7 | 7.2 | 100.0 | 92 | | |
| Akwa Ibom | (*) | (*) | (*) | (*) | (*) | (*) | 6 | 1.9 | 34.4 | 39.5 | 24.2 | 0.0 | 100.0 | 74 | | |
| Anambra | (*) | (*) | (*) | (*) | (*) | (*) | 6 | 0.0 | (14.1) | (43.4) | (38.9) | (3.5) | 100.0 | 28 | | |
| Bauchi | 0.0 | 16.0 | 40.5 | 42.7 | 0.8 | 100.0 | 149 | 0.0 | 13.1 | 44.0 | 41.6 | 1.3 | 100.0 | 257 | | |
| Bayelsa | (*) | (*) | (*) | (*) | (*) | (*) | 4 | 0.0 | 33.8 | 34.0 | 29.0 | 3.3 | 100.0 | 18 | | |
| Benue | (*) | (*) | (*) | (*) | (*) | (*) | 26 | 2.0 | 12.6 | 40.9 | 42.5 | 2.0 | 100.0 | 108 | | |
| Borno | (*) | (*) | (*) | (*) | (*) | (*) | 41 | 7.7 | 20.5 | 39.7 | 31.1 | 1.0 | 100.0 | 228 | | |
| Cross River | (*) | (*) | (*) | (*) | (*) | (*) | 9 | (4.6) | (21.6) | (56.8) | (14.8) | (2.2) | 100.0 | 36 | | |
| Delta | (*) | (*) | (*) | (*) | (*) | (*) | 8 | 0.0 | (49.3) | (22.4) | (26.4) | (1.9) | 100.0 | 36 | | |
| Ebonyi | (*) | (*) | (*) | (*) | (*) | (*) | 6 | (4.3) | (11.7) | (16.8) | (57.3) | (10.0) | 100.0 | 18 | | |
| Edo | (*) | (*) | (*) | (*) | (*) | (*) | 3 | 0.0 | (28.0) | (32.3) | (35.7) | (4.1) | 100.0 | 19 | | |
| Ekiti | (*) | (*) | (*) | (*) | (*) | (*) | 2 | (*) | (*) | (*) | (*) | (*) | (*) | 11 | | |
| Enugu | (*) | (*) | (*) | (*) | (*) | (*) | 5 | 0.0 | (29.6) | (14.8) | (47.2) | (8.4) | 100.0 | 22 | | |
| Gombe | 11.5 | 13.5 | 24.4 | 37.2 | 13.4 | 100.0 | 40 | 6.6 | 14.6 | 30.4 | 35.9 | 12.5 | 100.0 | 92 | | |
| Imo | (*) | (*) | (*) | (*) | (*) | (*) | 5 | 0.0 | (21.0) | (43.8) | (35.2) | 0.0 | 100.0 | 29 | | |
| Jigawa | 4.8 | 7.0 | 17.4 | 49.1 | 21.6 | 100.0 | 113 | 6.6 | 12.2 | 19.3 | 42.5 | 19.4 | 100.0 | 184 | | |
| Kaduna | 3.0 | 18.5 | 32.2 | 39.7 | 6.7 | 100.0 | 147 | 3.7 | 8.6 | 41.6 | 40.9 | 5.2 | 100.0 | 240 | | |
| Kano | 6.0 | 4.2 | 27.8 | 56.8 | 5.2 | 100.0 | 172 | 2.9 | 5.1 | 31.8 | 57.1 | 3.1 | 100.0 | 348 | | |
| Katsina | 2.6 | 5.7 | 37.9 | 52.6 | 1.2 | 100.0 | 173 | 1.6 | 8.4 | 33.3 | 56.7 | 0.0 | 100.0 | 321 | | |
| Kebbi | 0.0 | 10.0 | 39.2 | 46.7 | 4.1 | 100.0 | 62 | 1.8 | 11.0 | 28.1 | 52.6 | 6.5 | 100.0 | 129 | | |
| Kogi | (*) | (*) | (*) | (*) | (*) | (*) | 8 | (3.8) | (7.2) | (42.1) | (28.2) | (18.7) | 100.0 | 32 | | |
| Kwara | (*) | (*) | (*) | (*) | (*) | (*) | 15 | 2.0 | 26.6 | 37.8 | 33.6 | 0.0 | 100.0 | 41 | | |
| Lagos | (*) | (*) | (*) | (*) | (*) | (*) | 5 | .7 | 20.6 | 40.7 | 31.6 | 6.4 | 100.0 | 77 | | |
| Nasarawa | 0.0 | (11.6) | (28.6) | (59.8) | 0.0 | (100.0) | 21 | .7 | 26.1 | 24.0 | 48.8 | 0.4 | 100.0 | 96 | | |
| Niger | 0.0 | (23.4) | (34.1) | (39.6) | (3.0) | (100.0) | 50 | 1.4 | 15.3 | 35.7 | 42.1 | 5.5 | 100.0 | 214 | | |
| Ogun | (*) | (*) | (*) | (*) | (*) | (*) | 6 | 0.0 | (27.0) | (41.5) | (31.5) | 0.0 | 100.0 | 34 | | |
| Ondo | (*) | (*) | (*) | (*) | (*) | (*) | 5 | 2.4 | 25.5 | 22.7 | 40.7 | 8.7 | 100.0 | 26 | | |
| Osun | (*) | (*) | (*) | (*) | (*) | (*) | 8 | 0.0 | (47.0) | (20.0) | (23.8) | (9.1) | 100.0 | 45 | | |
| Oyo | (*) | (*) | (*) | (*) | (*) | (*) | 5 | 1.4 | 45.2 | 25.5 | 24.5 | 3.4 | 100.0 | 69 | | |
| Plateau | 0.0 | (11.7) | (38.9) | (31.7) | (17.6) | (100.0) | 37 | .7 | 17.9 | 33.3 | 43.0 | 5.2 | 100.0 | 126 | | |
| Rivers | (*) | (*) | (*) | (*) | (*) | (*) | 4 | 0.0 | (33.2) | (20.7) | (46.1) | 0.0 | 100.0 | 39 | | |
| Sokoto | 1.5 | 8.8 | 29.5 | 56.2 | 3.9 | 100.0 | 96 | 1.0 | 1.2 | 31.1 | 59.0 | 7.7 | 100.0 | 123 | | |
| Taraba | (*) | (*) | (*) | (*) | (*) | (*) | 14 | 1.5 | 11.4 | 31.0 | 49.2 | 6.8 | 100.0 | 58 | | |
| Yobe | 1.7 | 15.9 | 31.0 | 46.0 | 5.4 | 100.0 | 63 | .7 | 9.5 | 29.0 | 57.3 | 3.5 | 100.0 | 145 | | |
| Zamfara | .7 | 6.0 | 31.0 | 58.8 | 3.5 | 100.0 | 144 | 3.3 | 6.4 | 23.3 | 61.0 | 6.0 | 100.0 | 185 | | |
| FCT-Abuja | (*) | (*) | (*) | (*) | (*) | (*) | 5 | 0.0 | 16.2 | 35.6 | 44.7 | 3.5 | 100.0 | 21 | | |

¹ MICS indicator 8.8a - Spousal age difference (among women age 15-19)

² MICS indicator 8.8b - Spousal age difference (among women age 20-24)

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Female Genital Mutilation/Cutting

Table CP.10: Female genital mutilation/cutting (FGM/C) among women

Percentage of women age 15-49 years by FGM/C status and percent distribution of women who had FGM/C by type of FGM/C, Nigeria, 2016-17

| | Percentage of women who had any form of FGM/C ¹ | Number of women age 15-49 years | Percent distribution of women age 15-49 years who had FGM/C: | | | | Total | Number of women age 15-49 years who had FGM/C |
|------------------------------------|--|---------------------------------|--|-------------|------------------|------------------------------|--------------|---|
| | | | Had flesh removed | Were nicked | Were sewn closed | Form of FGM/C not determined | | |
| Total | 18.4 | 34,376 | 61.8 | 3.4 | 4.9 | 29.8 | 100.0 | 6,312 |
| Geopolitical zone | | | | | | | | |
| North Central | 8.6 | 6,006 | 65.5 | 5.1 | 6.2 | 23.3 | 100.0 | 517 |
| North East | 1.4 | 6,584 | 71.8 | 0.0 | 28.2 | 0.0 | 100.0 | 89 |
| North West | 19.3 | 10,932 | 72.5 | 5.1 | 2.0 | 20.5 | 100.0 | 2,112 |
| South East | 32.5 | 2,445 | 50.1 | 2.3 | 9.9 | 37.7 | 100.0 | 795 |
| South South | 23.3 | 3,668 | 67.1 | 2.8 | 12.2 | 17.8 | 100.0 | 853 |
| South West | 41.1 | 4,741 | 51.3 | 2.0 | 1.5 | 45.2 | 100.0 | 1,947 |
| Residence | | | | | | | | |
| Urban | 23.4 | 12,373 | 57.9 | 2.0 | 3.3 | 36.8 | 100.0 | 2,890 |
| Rural | 15.6 | 22,003 | 65.1 | 4.6 | 6.3 | 24.0 | 100.0 | 3,422 |
| Age (years) | | | | | | | | |
| 15-19 | 12.3 | 6,822 | 64.7 | 2.7 | 4.3 | 28.3 | 100.0 | 842 |
| 20-24 | 15.4 | 5,816 | 64.1 | 3.9 | 4.8 | 27.2 | 100.0 | 896 |
| 25-29 | 16.9 | 5,915 | 60.7 | 3.9 | 4.7 | 30.6 | 100.0 | 1,000 |
| 30-34 | 20.1 | 5,390 | 59.3 | 3.9 | 4.8 | 32.0 | 100.0 | 1,084 |
| 35-39 | 21.3 | 4,339 | 61.0 | 2.8 | 5.5 | 30.7 | 100.0 | 924 |
| 40-44 | 24.4 | 3,571 | 61.2 | 2.9 | 6.1 | 29.9 | 100.0 | 871 |
| 45-49 | 27.6 | 2,524 | 62.9 | 3.6 | 4.2 | 29.3 | 100.0 | 696 |
| Education | | | | | | | | |
| None | 11.6 | 7,799 | 70.4 | 6.0 | 3.8 | 19.8 | 100.0 | 906 |
| Non-formal | 16.5 | 5,646 | 74.1 | 3.7 | 3.0 | 19.2 | 100.0 | 933 |
| Primary | 24.3 | 4,963 | 63.7 | 2.8 | 6.7 | 26.9 | 100.0 | 1,208 |
| Secondary | 20.2 | 12,466 | 56.5 | 2.7 | 5.4 | 35.4 | 100.0 | 2,512 |
| Higher | 21.5 | 3,502 | 51.0 | 3.5 | 4.2 | 41.4 | 100.0 | 753 |
| Wealth index quintile | | | | | | | | |
| Poorest | 9.9 | 6,120 | 73.3 | 3.7 | 3.9 | 19.1 | 100.0 | 608 |
| Second | 14.6 | 6,478 | 66.8 | 5.5 | 4.5 | 23.2 | 100.0 | 945 |
| Middle | 19.0 | 6,708 | 67.2 | 3.9 | 5.6 | 23.4 | 100.0 | 1,275 |
| Fourth | 22.9 | 7,053 | 57.2 | 3.0 | 5.9 | 33.9 | 100.0 | 1,618 |
| Richest | 23.3 | 8,017 | 55.9 | 2.3 | 4.2 | 37.6 | 100.0 | 1,865 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 13.9 | 15,920 | 73.3 | 4.8 | 3.4 | 18.5 | 100.0 | 2,218 |
| Igbo | 29.2 | 3,558 | 50.4 | 2.1 | 9.6 | 38.0 | 100.0 | 1,040 |
| Yoruba | 45.4 | 4,380 | 50.0 | 2.9 | 1.8 | 45.2 | 100.0 | 1,989 |
| Other ethnic group | 8.3 | 4,608 | 84 | 3.5 | 6.5 | 5.9 | 100 | 380 |

¹ MICS indicator 8.10 - Prevalence of FGM/C among women

Table CP.10: Female genital mutilation/cutting (FGM/C) among women (continued)

Percentage of women age 15-49 years by FGM/C status and percent distribution of women who had FGM/C by type of FGM/C, Nigeria, 2016-17

| | Percentage of women who had any form of FGM/C ¹ | Number of women age 15-49 years | Percent distribution of women age 15-49 years who had FGM/C: | | | | Total | Number of women age 15-49 years who had FGM/C |
|--------------|--|---------------------------------|--|-------------|------------------|------------------------------|--------------|---|
| | | | Had flesh removed | Were nicked | Were sewn closed | Form of FGM/C not determined | | |
| Total | 18.4 | 34,376 | 61.8 | 3.4 | 4.9 | 29.8 | 100.0 | 6,312 |
| State | | | | | | | | |
| Abia | 31.1 | 336 | 43.4 | 6.5 | 13.8 | 36.3 | 100.0 | 104 |
| Adamawa | 0.0 | 830 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0 |
| Akwa Ibom | 10.5 | 834 | 64.2 | 1.2 | 28.5 | 6.1 | 100.0 | 87 |
| Anambra | 17.1 | 608 | 68.9 | 0.0 | 2.3 | 28.7 | 100.0 | 104 |
| Bauchi | 0.0 | 1559 | (*) | (*) | (*) | (*) | 100.0 | 1 |
| Bayelsa | 28.0 | 260 | 73.0 | 13.2 | 2.1 | 11.7 | 100.0 | 73 |
| Benue | 4.1 | 956 | (86.6) | (2.9) | (5.1) | (5.3) | 100.0 | 39 |
| Borno | 4.2 | 1984 | (69.7) | (0.0) | (30.3) | (0.0) | 100.0 | 83 |
| Cross River | 25.4 | 693 | 82.5 | 2.8 | 11.7 | 2.9 | 100.0 | 176 |
| Delta | 36.4 | 584 | 57.9 | 2.3 | 18.0 | 21.8 | 100.0 | 213 |
| Ebonyi | 43.2 | 400 | 54.1 | 2.5 | 20.0 | 23.3 | 100.0 | 173 |
| Edo | 37.1 | 494 | 79.0 | 1.7 | 2.7 | 16.7 | 100.0 | 183 |
| Ekiti | 62.6 | 216 | 47.0 | 5.0 | 0.2 | 47.7 | 100.0 | 135 |
| Enugu | 20.3 | 495 | 8.4 | 2.5 | 9.6 | 79.4 | 100.0 | 101 |
| Gombe | 0.0 | 562 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0 |
| Imo | 51.6 | 606 | 57.2 | 1.4 | 5.7 | 35.7 | 100.0 | 313 |
| Jigawa | 14.4 | 1313 | 38.1 | 3.1 | 15.1 | 43.7 | 100.0 | 188 |
| Kaduna | 39.3 | 2076 | 85.0 | 0.5 | 0.3 | 14.2 | 100.0 | 815 |
| Kano | 30.9 | 2389 | 55.6 | 13.2 | 0.8 | 30.4 | 100.0 | 739 |
| Katsina | 0.6 | 1950 | (*) | (*) | (*) | (*) | 100.0 | 12 |
| Kebbi | 0.1 | 956 | (*) | (*) | (*) | (*) | 100.0 | 1 |
| Kogi | 1.4 | 632 | (*) | (*) | (*) | (*) | 100.0 | 9 |
| Kwara | 55.1 | 487 | 51.0 | 8.0 | 1.1 | 39.9 | 100.0 | 269 |
| Lagos | 25.0 | 1725 | 60.5 | 0.9 | 1.0 | 37.5 | 100.0 | 431 |
| Nasarawa | 14.5 | 738 | 83.1 | 0.8 | 14.6 | 1.6 | 100.0 | 107 |
| Niger | 0.6 | 1536 | (*) | (*) | (*) | (*) | 100.0 | 9 |
| Ogun | 18.8 | 474 | 67.2 | 1.6 | 4.0 | 27.2 | 100.0 | 89 |
| Ondo | 44.2 | 646 | 23.9 | 3.1 | 2.3 | 70.7 | 100.0 | 285 |
| Osun | 67.8 | 638 | 75.1 | 2.5 | 2.2 | 20.2 | 100.0 | 432 |
| Oyo | 55.0 | 1042 | 38.7 | 1.3 | 0.7 | 59.3 | 100.0 | 574 |
| Plateau | 4.5 | 1317 | (83.9) | (0.0) | (11.0) | (5.1) | 100.0 | 59 |
| Rivers | 15.1 | 803 | 41.7 | 0.6 | 11.5 | 46.2 | 100.0 | 121 |
| Sokoto | 0.5 | 912 | (*) | (*) | (*) | (*) | 100.0 | 5 |
| Taraba | 1.0 | 558 | (*) | (*) | (*) | (*) | 100.0 | 6 |
| Yobe | 0.0 | 1091 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0 |
| Zamfara | 26.4 | 1337 | 96.0 | 0.0 | 1.3 | 2.7 | 100.0 | 352 |
| FCT-Abuja | 7.2 | 340.0 | 83.0 | 9.1 | 0.0 | 7.9 | 100.0 | 25 |

¹ MICS indicator 8.10 - Prevalence of FGM/C among women

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table CP.11: Female genital mutilation/cutting (FGM/C) among girls

Percentage of daughters age 0-14 years by FGM/C status and percent distribution of daughters who had FGM/C by type of FGM/C, Nigeria, 2016-17

| | Percentage of daughters who had any form of FGM/C ¹ | Number of daughters age 0-14 years | Percent distribution of daughters age 0-14 years who had FGM/C: | | | | Total | Number of daughters age 0-14 years who had FGM/C |
|------------------------------------|--|------------------------------------|---|-------------|------------------|------------------------------|--------------|--|
| | | | Had flesh removed | Were nicked | Were sewn closed | Form of FGM/C not determined | | |
| Total | 25.3 | 17,529 | 76.6 | 7.5 | 5.3 | 10.6 | 100.0 | 4,443 |
| Geopolitical zone | | | | | | | | |
| North Central | 16.1 | 2,323 | 87.1 | 2.6 | 7.6 | 2.6 | 100.0 | 373 |
| North East | 1.4 | 2,761 | 85.8 | 0.0 | 7.2 | 7.0 | 100.0 | 39 |
| North West | 56.0 | 5,329 | 75.8 | 8.1 | 5.3 | 10.7 | 100.0 | 2,982 |
| South East | 12.7 | 1,476 | 65.3 | 12.1 | 7.8 | 14.8 | 100.0 | 187 |
| South South | 6.1 | 2,311 | 75.9 | 2.1 | 11.8 | 10.2 | 100.0 | 141 |
| South West | 21.6 | 3,329 | 76.9 | 7.9 | 1.7 | 13.5 | 100.0 | 720 |
| Residence | | | | | | | | |
| Urban | 20.5 | 7,254 | 79.6 | 5.6 | 6.0 | 8.8 | 100.0 | 1,487 |
| Rural | 28.8 | 10,276 | 75.1 | 8.5 | 4.9 | 11.6 | 100.0 | 2,956 |
| Age (years) | | | | | | | | |
| 0-4 | 26.6 | 7,265 | 78.8 | 6.1 | 5.3 | 9.9 | 100.0 | 1,936 |
| 5-9 | 23.9 | 5,709 | 73.7 | 9.0 | 5.4 | 11.9 | 100.0 | 1,363 |
| 10-14 | 25.1 | 4,556 | 76.2 | 8.3 | 5.1 | 10.5 | 100.0 | 1,144 |
| Mother's Education | | | | | | | | |
| None | 31.9 | 3,665 | 69.5 | 9.2 | 2.5 | 18.7 | 100.0 | 1,170 |
| Non-formal | 44.2 | 3,002 | 83.9 | 5.9 | 5.5 | 4.6 | 100.0 | 1,327 |
| Primary | 23.6 | 3,378 | 78.4 | 8.8 | 4.4 | 8.3 | 100.0 | 797 |
| Secondary | 17.2 | 5,576 | 74.8 | 7.1 | 7.3 | 10.7 | 100.0 | 961 |
| Higher | 9.8 | 1,909 | 69.4 | 5.4 | 13.3 | 12.0 | 100.0 | 188 |
| Mother's FGM/C experience | | | | | | | | |
| No FGM/C | 7.3 | 10,739 | 46.4 | 11.7 | 7.0 | 35.0 | 100.0 | 781 |
| Had FGM/C | 53.9 | 6,791 | 83.0 | 6.7 | 4.9 | 5.4 | 100.0 | 3,662 |
| Wealth index quintile | | | | | | | | |
| Poorest | 43.0 | 2,209 | 68.2 | 7.9 | 5.8 | 18.1 | 100.0 | 949 |
| Second | 37.7 | 2,633 | 78.1 | 10.3 | 3.0 | 8.6 | 100.0 | 992 |
| Middle | 25.7 | 3,737 | 83.4 | 5.4 | 4.7 | 6.5 | 100.0 | 960 |
| Fourth | 20.1 | 4,414 | 74.4 | 8.3 | 7.1 | 10.1 | 100.0 | 886 |
| Richest | 14.4 | 4,537 | 79.1 | 4.9 | 6.2 | 9.7 | 100.0 | 656 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 38.6 | 7,785 | 76.0 | 7.8 | 5.5 | 10.6 | 100.0 | 3,004 |
| Igbo | 11.3 | 2,153 | 65.0 | 11.6 | 10.6 | 12.8 | 100.0 | 242 |
| Yoruba | 27.3 | 2,984 | 78.5 | 7.3 | 2.2 | 12.1 | 100.0 | 816 |
| Other ethnic group | 8.3 | 4,608 | 84 | 3.5 | 6.5 | 5.9 | 100 | 380 |

¹ MICS indicator 8.11 - Prevalence of FGM/C among girls

Table CP.11: Female genital mutilation/cutting (FGM/C) among girls (continued)

Percentage of daughters age 0-14 years by FGM/C status and percent distribution of daughters who had FGM/C by type of FGM/C, Nigeria, 2016-17

| | Percentage of daughters who had any form of FGM/C ¹ | Number of daughters age 0-14 years | Percent distribution of daughters age 0-14 years who had FGM/C: | | | | Total | Number of daughters age 0-14 years who had FGM/C |
|--------------|--|------------------------------------|---|-------------|------------------|------------------------------|--------------|--|
| | | | Had flesh removed | Were nicked | Were sewn closed | Form of FGM/C not determined | | |
| Total | 25.3 | 17,529 | 76.6 | 7.5 | 5.3 | 10.6 | 100.0 | 4443 |
| State | | | | | | | | |
| Abia | 15.5 | 229 | 39.3 | 17.4 | 15.2 | 28.2 | 100.0 | 36 |
| Adamawa | 0.9 | 266 | (*) | (*) | (*) | (*) | 100.0 | 2 |
| Akwa Ibom | 2.4 | 518 | (*) | (*) | (*) | (*) | 100.0 | 12 |
| Anambra | 7.4 | 278 | (61.9) | (5.7) | (19.0) | (13.3) | 100.0 | 21 |
| Bauchi | 0.3 | 484 | (*) | (*) | (*) | (*) | 100.0 | 1 |
| Bayelsa | 1.6 | 216 | (*) | (*) | (*) | (*) | 100.0 | 4 |
| Benue | 1.5 | 531 | (*) | (*) | (*) | (*) | 100.0 | 8 |
| Borno | 1.8 | 1,545 | (*) | (*) | (*) | (*) | 100.0 | 28 |
| Cross River | 3.4 | 456 | (96.1) | 0.0 | (3.9) | (0.0) | 100.0 | 16 |
| Delta | 6.2 | 404 | (55.2) | (4.3) | (40.5) | (0.0) | 100.0 | 925 |
| Ebonyi | 5.2 | 276 | (71.7) | (0.0) | (0.0) | (28.3) | 100.0 | 14 |
| Edo | 19.9 | 311 | 81.9 | 2.3 | 3.8 | 11.9 | 100.0 | 62 |
| Ekiti | 41.7 | 153 | 75.5 | 11.4 | (0.0) | 13.1 | 100.0 | 64 |
| Enugu | 7.4 | 253 | (*) | (*) | (*) | (*) | 100.0 | 19 |
| Gombe | 1.0 | 63 | (*) | (*) | (*) | (*) | 100.0 | 1 |
| Imo | 22.2 | 441 | 80.8 | 15.0 | 1.7 | 2.4 | 100.0 | 98 |
| Jigawa | 66.9 | 859 | 34.2 | 1.9 | 23.8 | 40.1 | 100.0 | 575 |
| Kaduna | 63.1 | 1,459 | 95.7 | 1.2 | 0.7 | 2.5 | 100.0 | 920 |
| Kano | 71.0 | 1,422 | 71.8 | 21.4 | 0.8 | 6.0 | 100.0 | 1009 |
| Katsina | 4.9 | 467 | (*) | (*) | (*) | (*) | 100.0 | 23 |
| Kebbi | 1.4 | 100 | (*) | (*) | (*) | (*) | 100.0 | 1 |
| Kogi | 11.7 | 69 | (*) | (*) | (*) | (*) | 100.0 | 8 |
| Kwara | 40.7 | 367 | 88.9 | 5.9 | 2.4 | 2.8 | 100.0 | 149 |
| Lagos | 10.5 | 1,099 | 91.8 | 0.0 | 0.5 | 7.7 | 100.0 | 116 |
| Nasarawa | 18.6 | 535 | 87.2 | 1.1 | 8.6 | 3.1 | 100.0 | 100 |
| Niger | 2.3 | 387 | (*) | (*) | (*) | (*) | 100.0 | 9 |
| Ogun | 3.9 | 297 | (*) | (*) | (*) | (*) | 100.0 | 12 |
| Ondo | 24.9 | 447 | 59.5 | 10.3 | 2.8 | 27.5 | 100.0 | 111 |
| Osun | 34.6 | 469 | 93.9 | 1.6 | 4.0 | 0.6 | 100.0 | 162 |
| Oyo | 29.6 | 864 | 67.2 | 13.2 | 0.9 | 18.8 | 100.0 | 255 |
| Plateau | 29.3 | 301 | (92.0) | (0.0) | (7.4) | (0.7) | 100.0 | 88 |
| Rivers | 5.7 | 406 | (*) | (*) | (*) | (*) | 100.0 | 23 |
| Sokoto | 1.5 | 249 | (*) | (*) | (*) | (*) | 100.0 | 4 |
| Taraba | 7.5 | 90 | (*) | (*) | (*) | (*) | 100.0 | 7 |
| Yobe | 0.0 | 315 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0 |
| Zamfara | 58.2 | 774 | 95.5 | 1.2 | 1.8 | 1.5 | 100.0 | 450 |
| FCT-Abuja | 8.2 | 133 | (*) | (*) | (*) | (*) | 100.0 | 11 |

¹ MICS indicator 8.11 - Prevalence of FGM/C among girls

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table CP.12: Approval of female genital mutilation/cutting (FGM/C)

Percentage of women age 15-49 years who have heard of FGM/C, and percent distribution of women according to attitudes towards whether the practice of FGM/C should be continued, Nigeria, 2016-17

| | Percentage of women who have heard of FGM/C | Number of women age 15-49 years | Percent distribution of women who believe the practice of FGM/C should be: | | | | Missing /Don't know | Total | Number of women age 15-49 years who have heard of FGM/C |
|------------------------------------|---|---------------------------------|--|--------------|------------|------------|---------------------|---------------|---|
| | | | Continued ¹ | Discontinued | Depends | | | | |
| Total | 52.1 | 34,376 | 21.6 | 67.5 | 7.6 | 3.3 | 100 | 17,925 | |
| Geopolitical zone | | | | | | | | | |
| North Central | 40.6 | 6,006 | 16.4 | 72.9 | 6.9 | 3.7 | 100 | 2,440 | |
| North East | 33.1 | 6,584 | 6.7 | 78.7 | 13.3 | 1.3 | 100 | 2,180 | |
| North West | 40.5 | 10,932 | 40.0 | 46.0 | 10.1 | 3.9 | 100 | 4,426 | |
| South East | 75.5 | 2,445 | 17.0 | 78.3 | 1.7 | 3.0 | 100 | 1,847 | |
| South South | 81.2 | 3,668 | 11.6 | 82.7 | 3.7 | 1.9 | 100 | 2,979 | |
| South West | 85.5 | 4,741 | 22.1 | 65.4 | 7.7 | 4.7 | 100 | 4,053 | |
| Residence | | | | | | | | | |
| Urban | 67.4 | 12,373 | 19.9 | 68.8 | 7.6 | 3.7 | 100 | 8,343 | |
| Rural | 43.5 | 22,003 | 23.1 | 66.3 | 7.6 | 3.0 | 100 | 9,582 | |
| Age (Years) | | | | | | | | | |
| 15-19 | 43.0 | 6,822 | 20.9 | 68.2 | 7.3 | 3.6 | 100 | 2,933 | |
| 20-24 | 50.0 | 5,816 | 22.6 | 65.2 | 8.8 | 3.4 | 100 | 2,909 | |
| 25-29 | 52.2 | 5,915 | 22.7 | 65.5 | 8.2 | 3.6 | 100 | 3,090 | |
| 30-34 | 56.7 | 5,390 | 20.2 | 68.2 | 8.3 | 3.3 | 100 | 3,056 | |
| 35-39 | 55.4 | 4,339 | 21.1 | 68.6 | 6.9 | 3.4 | 100 | 2,404 | |
| 40-44 | 57.7 | 3,571 | 21.0 | 70.8 | 5.5 | 2.7 | 100 | 2,059 | |
| 45-49 | 58.4 | 2,524 | 23.4 | 66.6 | 7.0 | 3.0 | 100 | 1,474 | |
| Education | | | | | | | | | |
| None | 33.9 | 7,799 | 27.8 | 58.3 | 9.6 | 4.3 | 100 | 2,644 | |
| Non-formal | 36.5 | 5,646 | 38.4 | 47.4 | 12.1 | 2.1 | 100 | 2,058 | |
| Primary | 54.5 | 4,963 | 22.9 | 65.1 | 8.7 | 3.4 | 100 | 2,707 | |
| Secondary | 61.8 | 12,466 | 18.3 | 72.2 | 6.1 | 3.5 | 100 | 7,700 | |
| Higher | 80.4 | 3,502 | 11.5 | 80.1 | 5.5 | 2.8 | 100 | 2,816 | |
| FGM/C experience | | | | | | | | | |
| No FGM/C | 41.4 | 28,064 | 7.3 | 81.5 | 7.5 | 3.8 | 100 | 11,613 | |
| Had FGM/C | 100.0 | 6,312 | 48.0 | 41.8 | 7.7 | 2.5 | 100 | 6,312 | |
| Wealth index quintile | | | | | | | | | |
| Poorest | 26.8 | 6,120 | 31.2 | 55.3 | 9.2 | 4.3 | 100 | 1,642 | |
| Second | 36.1 | 6,478 | 29.5 | 58.7 | 8.3 | 3.4 | 100 | 2,336 | |
| Middle | 50.5 | 6,708 | 23.0 | 63.9 | 10.3 | 2.7 | 100 | 3,386 | |
| Fourth | 64.7 | 7,053 | 21.9 | 68.9 | 6.2 | 3.0 | 100 | 4,566 | |
| Richest | 74.8 | 8,017 | 14.9 | 75.1 | 6.4 | 3.6 | 100 | 5,995 | |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 39.3 | 15,920 | 30.7 | 55.8 | 10.5 | 3.1 | 100 | 6,252 | |
| Igbo | 76.2 | 3,558 | 15.1 | 78.0 | 3.6 | 3.2 | 100 | 2,711 | |
| Yoruba | 84.9 | 4,380 | 26.8 | 61.3 | 7.6 | 4.3 | 100 | 3,719 | |
| Other ethnic group | 49.8 | 10,518 | 10.5 | 80.4 | 6.1 | 3.0 | 100 | 5,242 | |

¹ MICS indicator 8.9 - Approval for FGM/C

Table CP.12: Approval of female genital mutilation/cutting (FGM/C) continued.

Percentage of women age 15-49 years who have heard of FGM/C, and percent distribution of women according to attitudes towards whether the practice of FGM/C should be continued, Nigeria, 2016-17

| | Percentage of women who have heard of FGM/C | Number of women age 15-49 years | Percent distribution of women who believe the practice of FGM/C should be: | | | | Total | Number of women age 15-49 years who have heard of FGM/C |
|--------------|---|---------------------------------|--|--------------|------------|---------------------|--------------|---|
| | | | Continued ¹ | Discontinued | Depends | Missing /Don't know | | |
| Total | 52.1 | 34,376 | 21.6 | 67.5 | 7.6 | 3.3 | 100.0 | 17,925 |
| State | | | | | | | | |
| Abia | 77.0 | 336 | 22.4 | 73.3 | 1.1 | 3.2 | 100.0 | 258 |
| Adamawa | 29.1 | 830 | 6.6 | 74.6 | 13.0 | 5.8 | 100.0 | 242 |
| Akwa Ibom | 77.4 | 834 | 4.2 | 91.8 | 1.7 | 2.2 | 100.0 | 646 |
| Anambra | 58.5 | 608 | 12.9 | 80.8 | 0.9 | 5.3 | 100.0 | 355 |
| Bauchi | 27.0 | 1,559 | 0.8 | 94.7 | 3.9 | 0.6 | 100.0 | 421 |
| Bayelsa | 88.4 | 260 | 3.1 | 89.0 | 7.3 | 0.5 | 100.0 | 230 |
| Benue | 58.8 | 956 | 6.8 | 90.7 | 1.0 | 1.5 | 100.0 | 562 |
| Borno | 55.7 | 1,984 | 9.9 | 80.0 | 10.0 | 0.0 | 100.0 | 1,106 |
| Cross River | 79.8 | 693 | 10.0 | 83.1 | 4.7 | 2.2 | 100.0 | 552 |
| Delta | 80.8 | 584 | 24.7 | 71.5 | 1.8 | 2.0 | 100.0 | 472 |
| Ebonyi | 79.9 | 400 | 3.8 | 93.5 | 1.9 | 0.8 | 100.0 | 320 |
| Edo | 86.4 | 494 | 26.9 | 59.5 | 10.5 | 3.0 | 100.0 | 427 |
| Ekiti | 88.8 | 216 | 31.4 | 46.8 | 11.5 | 10.3 | 100.0 | 192 |
| Enugu | 71.2 | 495 | 8.9 | 85.1 | 3.1 | 3.0 | 100.0 | 353 |
| Gombe | 10.7 | 562 | 7.6 | 77.3 | 8.1 | 7.0 | 100.0 | 60 |
| Imo | 92.5 | 606 | 29.6 | 66.2 | 1.4 | 2.8 | 100.0 | 561 |
| Jigawa | 51.1 | 1,313 | 33.0 | 45.6 | 12.7 | 8.8 | 100.0 | 670 |
| Kaduna | 64.4 | 2,076 | 35.6 | 44.2 | 18.0 | 2.2 | 100.0 | 1,337 |
| Kano | 48.3 | 2,389 | 59.0 | 34.1 | 5.9 | 1.1 | 100.0 | 1,155 |
| Katsina | 18.9 | 1,950 | 3.8 | 76.1 | 6.3 | 13.8 | 100.0 | 369 |
| Kebbi | 7.8 | 956 | 12.1 | 71.8 | 14.2 | 1.8 | 100.0 | 75 |
| Kogi | 15.5 | 632 | 14.6 | 80.7 | 1.0 | 3.6 | 100.0 | 98 |
| Kwara | 80.8 | 487 | 46.8 | 38.0 | 10.1 | 5.0 | 100.0 | 394 |
| Lagos | 86.5 | 1,725 | 12.9 | 73.2 | 9.5 | 4.3 | 100.0 | 1,493 |
| Nasarawa | 67.7 | 738 | 17.0 | 71.0 | 8.5 | 3.5 | 100.0 | 500 |
| Niger | 21.9 | 1,536 | 5.2 | 82.6 | 10.4 | 1.7 | 100.0 | 337 |
| Ogun | 69.1 | 474 | 12.1 | 76.5 | 7.8 | 3.7 | 100.0 | 327 |
| Ondo | 80.8 | 646 | 18.1 | 73.7 | 3.2 | 5.0 | 100.0 | 522 |
| Osun | 91.8 | 638 | 38.5 | 54.7 | 6.7 | 0.1 | 100.0 | 586 |
| Oyo | 89.5 | 1,042 | 30.5 | 55.1 | 7.1 | 7.3 | 100.0 | 933 |
| Plateau | 27.6 | 1,317 | 13.5 | 71.1 | 6.8 | 8.6 | 100.0 | 364 |
| Rivers | 81.2 | 803 | 3.9 | 94.6 | 0.6 | 1.0 | 100.0 | 652 |
| Sokoto | 24.5 | 912 | 1.9 | 94.2 | 1.5 | 2.3 | 100.0 | 223 |
| Taraba | 17.1 | 558 | 8.5 | 81.2 | 6.0 | 4.3 | 100.0 | 96 |
| Yobe | 23.5 | 1,091 | 1.7 | 49.9 | 47.1 | 1.3 | 100.0 | 256 |
| Zamfara | 44.7 | 1,337 | 61.0 | 33.8 | 2.8 | 2.4 | 100.0 | 597 |
| FCT-Abuja | 54.5 | 340 | 6.7 | 80.3 | 10.2 | 2.7 | 100.0 | 185 |

¹ MICS indicator 8.9 - Approval for FGM/C

Attitudes toward Domestic Violence

Table CP.13: Attitudes toward domestic violence (women)

Percentage of women age 15-49 years who believe a husband is justified in beating his wife in various circumstances, Nigeria, 2016-17

| | Percentage of women age 15-49 years who believe a husband is justified in beating his wife: | | | | | | Number of women age 15-49 years |
|------------------------------------|---|------------------------------|------------------------|-----------------------------|-----------------------|--|---------------------------------|
| | If she goes out without telling him | If she neglects the children | If she argues with him | If she refuses sex with him | If she burns the food | For any of these five reasons ¹ | |
| Total | 19.9 | 20.9 | 18.5 | 20.3 | 11.8 | 33.7 | 34,376 |
| Geopolitical zone | | | | | | | |
| North Central | 23.5 | 27.5 | 23.0 | 26.6 | 11.8 | 40.3 | 6,006 |
| North East | 17.6 | 13.4 | 15.3 | 20.7 | 9.7 | 30.0 | 6,584 |
| North West | 24.1 | 23.1 | 22.4 | 27.5 | 16.8 | 38.2 | 10,932 |
| South East | 13.1 | 17.3 | 14.0 | 11.0 | 8.6 | 26.1 | 2,445 |
| South South | 19.6 | 23.1 | 15.4 | 10.2 | 8.6 | 34.2 | 3,668 |
| South West | 12.6 | 17.8 | 13.0 | 7.8 | 7.3 | 23.7 | 4,741 |
| Residence | | | | | | | |
| Urban | 13.1 | 16.0 | 12.6 | 13.1 | 7.5 | 25.4 | 12,373 |
| Rural | 23.7 | 23.7 | 21.9 | 24.3 | 14.2 | 38.3 | 22,003 |
| Age (years) | | | | | | | |
| 15-19 | 17.3 | 18.8 | 16.9 | 16.6 | 10.9 | 30.3 | 6,822 |
| 20-24 | 21.0 | 21.1 | 18.5 | 21.3 | 12.6 | 34.4 | 5,816 |
| 25-29 | 20.2 | 21.7 | 19.5 | 21.9 | 12.2 | 35.0 | 5,915 |
| 30-34 | 20.2 | 21.7 | 19.1 | 21.1 | 11.6 | 34.7 | 5,390 |
| 35-39 | 20.5 | 21.1 | 18.9 | 21.0 | 12.2 | 34.1 | 4,339 |
| 40-44 | 20.9 | 22.4 | 19.0 | 21.3 | 11.7 | 35.0 | 3,571 |
| 45-49 | 19.9 | 20.1 | 18.4 | 19.7 | 11.7 | 33.6 | 2,524 |
| Marital/Union status | | | | | | | |
| Currently married/in union | 21.9 | 22.4 | 20.4 | 23.2 | 13.0 | 36.4 | 24,373 |
| Formerly married/in union | 16.8 | 19.8 | 15.0 | 15.6 | 9.0 | 30.0 | 1,405 |
| Never married/in union | 14.7 | 16.9 | 13.9 | 12.8 | 8.9 | 26.7 | 8,520 |
| Education | | | | | | | |
| None | 23.7 | 21.8 | 21.3 | 26.3 | 13.3 | 37.7 | 7,799 |
| Non-formal | 26.1 | 24.7 | 24.5 | 30.2 | 18.3 | 40.3 | 5,646 |
| Primary | 23.2 | 25.3 | 21.4 | 22.7 | 13.8 | 38.9 | 4,963 |
| Secondary | 16.7 | 19.7 | 16.0 | 14.5 | 9.3 | 30.8 | 12,466 |
| Higher | 7.9 | 10.7 | 7.6 | 8.2 | 4.2 | 17.0 | 3,502 |
| Wealth index quintile | | | | | | | |
| Poorest | 29.0 | 26.1 | 25.1 | 31.2 | 17.5 | 42.5 | 6,120 |
| Second | 26.5 | 24.8 | 24.0 | 28.6 | 16.8 | 40.9 | 6,478 |
| Middle | 20.7 | 22.7 | 20.4 | 21.2 | 12.3 | 36.7 | 6,708 |
| Fourth | 16.6 | 20.0 | 16.5 | 14.9 | 9.1 | 31.4 | 7,053 |
| Richest | 9.8 | 13.1 | 9.3 | 9.2 | 5.4 | 20.7 | 8,017 |
| Ethnicity of household head | | | | | | | |
| Hausa | 22.3 | 20.5 | 20.2 | 25.8 | 13.9 | 36.0 | 15,920 |
| Igbo | 12.5 | 15.8 | 12.8 | 10.5 | 8.1 | 24.2 | 3,558 |
| Yoruba | 12.7 | 18.1 | 12.9 | 8.3 | 7.6 | 24.8 | 4,380 |
| Other ethnic group | 21.7 | 24.4 | 20.3 | 20.2 | 11.7 | 37.1 | 10,518 |

¹ MICS indicator 8.12 - Attitudes towards domestic violence

Table CP.13: Attitudes toward domestic violence (women) continued

Percentage of women age 15-49 years who believe a husband is justified in beating his wife in various circumstances, Nigeria, 2016-17

| | Percentage of women age 15-49 years who believe a husband is justified in beating his wife: | | | | | | Number of women age 15-49 years |
|--------------|---|------------------------------|------------------------|-----------------------------|-----------------------|--|---------------------------------|
| | If she goes out without telling him | If she neglects the children | If she argues with him | If she refuses sex with him | If she burns the food | For any of these five reasons ¹ | |
| Total | 19.9 | 20.9 | 18.5 | 20.3 | 11.8 | 33.7 | 34,376 |
| State | | | | | | | |
| Abia | 19.7 | 22.5 | 16.7 | 9.0 | 5.2 | 31.9 | 336 |
| Adamawa | 24.8 | 21.3 | 21.9 | 26.0 | 16.1 | 35.4 | 830 |
| Akwa Ibom | 27.9 | 23.3 | 16.4 | 9.8 | 8.9 | 41.8 | 834 |
| Anambra | 1.1 | 3.9 | 2.4 | 4.3 | 2.1 | 8.7 | 608 |
| Bauchi | 20.5 | 5.2 | 9.4 | 18.2 | 4.1 | 27.8 | 1,559 |
| Bayelsa | 9.1 | 14.0 | 12.4 | 6.7 | 2.8 | 21.2 | 260 |
| Benue | 34.3 | 37.6 | 33.0 | 25.9 | 16.7 | 50.9 | 956 |
| Borno | 6.6 | 7.0 | 9.0 | 10.3 | 3.1 | 18.5 | 1,984 |
| Cross River | 20.7 | 31.3 | 15.7 | 8.1 | 11.2 | 40.5 | 693 |
| Delta | 29.4 | 31.6 | 21.1 | 18.8 | 17.4 | 45.3 | 584 |
| Ebonyi | 28.5 | 23.6 | 25.2 | 23.5 | 18.1 | 36.7 | 400 |
| Edo | 11.3 | 15.2 | 14.9 | 9.9 | 5.8 | 24.9 | 494 |
| Ekiti | 16.9 | 25.3 | 20.4 | 7.7 | 12.8 | 33.8 | 216 |
| Enugu | 6.1 | 9.5 | 8.1 | 5.8 | 2.4 | 16.9 | 495 |
| Gombe | 7.6 | 10.5 | 12.5 | 14.0 | 7.6 | 19.6 | 562 |
| Imo | 17.1 | 30.0 | 21.4 | 14.7 | 15.8 | 41.1 | 606 |
| Jigawa | 43.2 | 35.3 | 31.9 | 33.8 | 27.7 | 50.7 | 1,313 |
| Kaduna | 8.3 | 9.7 | 8.5 | 22.9 | 6.7 | 29.8 | 2,076 |
| Kano | 18.8 | 19.5 | 24.1 | 25.8 | 18.2 | 34.7 | 2,389 |
| Katsina | 51.7 | 48.8 | 43.3 | 53.5 | 33.1 | 65.4 | 1,950 |
| Kebbi | 16.2 | 15.2 | 13.6 | 14.6 | 7.0 | 25.8 | 956 |
| Kogi | 31.2 | 34.1 | 35.5 | 39.0 | 31.0 | 43.9 | 632 |
| Kwara | 9.3 | 9.9 | 4.6 | 4.5 | 4.3 | 15.3 | 487 |
| Lagos | 2.1 | 3.3 | 1.8 | 1.9 | 1.2 | 4.7 | 1,725 |
| Nasarawa | 15.6 | 14.7 | 17.3 | 33.8 | 9.3 | 41.9 | 738 |
| Niger | 24.8 | 27.3 | 21.1 | 28.8 | 7.6 | 39.0 | 1,536 |
| Ogun | 15.2 | 25.6 | 19.2 | 5.9 | 8.1 | 34.9 | 474 |
| Ondo | 25.9 | 27.6 | 20.0 | 16.6 | 15.6 | 42.4 | 646 |
| Osun | 20.8 | 28.5 | 23.6 | 11.8 | 10.9 | 35.7 | 638 |
| Oyo | 14.5 | 23.9 | 16.3 | 10.3 | 8.7 | 29.2 | 1,042 |
| Plateau | 24.1 | 34.4 | 24.8 | 26.8 | 9.6 | 44.1 | 1,317 |
| Rivers | 11.3 | 17.4 | 11.4 | 7.4 | 3.0 | 22.5 | 803 |
| Sokoto | 7.6 | 8.1 | 10.7 | 11.7 | 7.5 | 19.8 | 912 |
| Taraba | 25.8 | 23.4 | 22.0 | 24.9 | 11.1 | 43.0 | 558 |
| Yobe | 28.6 | 27.2 | 28.5 | 40.5 | 25.5 | 48.9 | 1,091 |
| Zamfara | 15.6 | 17.1 | 15.7 | 13.4 | 9.1 | 26.6 | 1,337 |
| FCT-Abuja | 7.8 | 14.9 | 12.6 | 11.2 | 6.2 | 27.2 | 340 |

¹ MICS indicator 8.12 - Attitudes towards domestic violence

Table CP.13M: Attitudes toward domestic violence (men)

Percentage of men age 15-49 years who believe a husband is justified in beating his wife in various circumstances, Nigeria, 2016-17

| | Percentage of men age 15-49 years who believe a husband is justified in beating his wife: | | | | | | Number of men age 15-49 years |
|------------------------------------|---|------------------------------|------------------------|-----------------------------|-----------------------|--|-------------------------------|
| | If she goes out without telling him | If she neglects the children | If she argues with him | If she refuses sex with him | If she burns the food | For any of these five reasons ¹ | |
| Total | 10.0 | 9.6 | 9.6 | 11.4 | 6.9 | 21.5 | 15,183 |
| Geopolitical zone | | | | | | | |
| North Central | 6.9 | 7.6 | 5.9 | 5.7 | 4.0 | 15.2 | 2,730 |
| North East | 15.6 | 7.9 | 9.1 | 20.1 | 10.8 | 27.2 | 2,943 |
| North West | 9.3 | 10.0 | 11.6 | 12.0 | 8.8 | 20.8 | 4,674 |
| South East | 12.9 | 11.3 | 15.8 | 17.5 | 5.1 | 31.1 | 984 |
| South South | 11.8 | 14.1 | 12.1 | 11.3 | 6.1 | 27.7 | 1,664 |
| South West | 5.1 | 9.2 | 6.2 | 2.8 | 2.6 | 14.0 | 2,189 |
| Residence | | | | | | | |
| Urban | 10.2 | 9.4 | 8.9 | 10.6 | 6.4 | 20.8 | 5,627 |
| Rural | 9.8 | 9.7 | 10.1 | 11.8 | 7.2 | 21.8 | 9,556 |
| Age (years) | | | | | | | |
| 15-19 | 10.9 | 10.8 | 12.0 | 12.3 | 8.9 | 24.8 | 3,508 |
| 20-24 | 8.5 | 9.5 | 9.2 | 11.2 | 6.0 | 21.7 | 2,378 |
| 25-29 | 10.6 | 10.2 | 10.7 | 12.5 | 7.0 | 23.3 | 2,191 |
| 30-34 | 11.5 | 8.9 | 9.4 | 11.3 | 6.8 | 19.9 | 2,078 |
| 35-39 | 10.3 | 8.4 | 7.6 | 11.2 | 6.1 | 20.1 | 1,936 |
| 40-44 | 8.0 | 7.9 | 8.2 | 9.8 | 6.1 | 18.3 | 1,724 |
| 45-49 | 9.2 | 10.2 | 7.5 | 9.8 | 5.6 | 18.0 | 1,368 |
| Marital/Union status | | | | | | | |
| Currently married/in union | 8.8 | 8.8 | 7.9 | 9.6 | 5.7 | 18.2 | 7,213 |
| Formerly married/in union | 13.2 | 16.8 | 13.7 | 9.7 | 7.1 | 28.6 | 210 |
| Never married/in union | 11.0 | 10.1 | 11.1 | 13.1 | 8.0 | 24.3 | 7,749 |
| Education | | | | | | | |
| None | 9.0 | 9.7 | 9.0 | 11.3 | 7.8 | 18.5 | 1,563 |
| Non-formal | 14.1 | 8.1 | 11.4 | 19.0 | 11.4 | 27.4 | 2,140 |
| Primary | 11.0 | 12.3 | 11.7 | 11.7 | 7.3 | 23.8 | 1,997 |
| Secondary | 9.9 | 10.3 | 10.2 | 10.5 | 6.1 | 22.4 | 6,861 |
| Higher | 6.7 | 6.6 | 5.6 | 7.2 | 4.5 | 14.2 | 2,622 |
| Wealth index quintile | | | | | | | |
| Poorest | 8.4 | 8.7 | 10.1 | 13.0 | 7.9 | 20.8 | 2,614 |
| Second | 9.3 | 9.7 | 10.2 | 10.7 | 6.3 | 20.4 | 2,901 |
| Middle | 11.2 | 11.0 | 10.4 | 14.0 | 8.9 | 25.4 | 2,927 |
| Fourth | 12.9 | 11.3 | 10.9 | 13.1 | 7.7 | 25.3 | 3,202 |
| Richest | 8.1 | 7.4 | 7.0 | 7.0 | 4.4 | 16.2 | 3,539 |
| Ethnicity of household head | | | | | | | |
| Hausa | 12.4 | 9.5 | 10.9 | 15.0 | 9.8 | 23.6 | 6,958 |
| Igbo | 10.0 | 9.6 | 12.3 | 12.5 | 4.0 | 24.5 | 1,488 |
| Yoruba | 5.0 | 9.1 | 6.4 | 3.8 | 3.9 | 14.4 | 1,980 |
| Other ethnic group | 8.5 | 9.9 | 8.3 | 8.8 | 4.8 | 20.4 | 4,757 |

¹ MICS indicator 8.12 - Attitudes towards domestic violence^[M]

Table CP.13M: Attitudes toward domestic violence (men) continued.

Percentage of men age 15-49 years who believe a husband is justified in beating his wife in various circumstances, Nigeria, 2016-17

| | Percentage of men age 15-49 years who believe a husband is justified in beating his wife: | | | | | | Number of men age 15-49 years |
|--------------|---|------------------------------|------------------------|-----------------------------|-----------------------|--|-------------------------------|
| | If she goes out without telling him | If she neglects the children | If she argues with him | If she refuses sex with him | If she burns the food | For any of these five reasons ¹ | |
| Total | 10.0 | 9.6 | 9.6 | 11.4 | 6.9 | 21.5 | 15,183 |
| State | | | | | | | |
| Abia | 23.7 | 20.4 | 33.6 | 21.9 | 9.3 | 45.3 | 142 |
| Adamawa | 9.1 | 9.9 | 10.0 | 14.6 | 6.1 | 21.8 | 389 |
| Akwa Ibom | 15.2 | 17.6 | 14.2 | 8.2 | 8.6 | 30.5 | 365 |
| Anambra | 4.3 | 3.9 | 4.8 | 6.1 | 2.2 | 11.9 | 241 |
| Bauchi | 1.4 | 0.5 | 0.9 | 2.2 | 0.4 | 2.6 | 681 |
| Bayelsa | 9.7 | 16.1 | 17.2 | 8.7 | 3.6 | 29.8 | 121 |
| Benue | 13.4 | 12.2 | 10.0 | 7.1 | 6.6 | 19.6 | 481 |
| Borno | 42.4 | 14.9 | 17.2 | 44.4 | 27.6 | 55.6 | 813 |
| Cross River | 8.2 | 10.7 | 10.6 | 11.9 | 3.7 | 29.4 | 275 |
| Delta | 18.7 | 18.8 | 11.6 | 5.2 | 8.3 | 24.9 | 258 |
| Ebonyi | 16.2 | 10.2 | 22.0 | 32.9 | 2.0 | 43.3 | 152 |
| Edo | 22.2 | 21.4 | 14.1 | 17.7 | 12.3 | 31.2 | 209 |
| Ekiti | 7.2 | 6.6 | 4.4 | 2.1 | 0.8 | 11.9 | 96 |
| Enugu | 16.4 | 16.1 | 21.8 | 32.6 | 4.1 | 46.1 | 190 |
| Gombe | 10.3 | 10.8 | 8.2 | 15.2 | 9.1 | 20.7 | 268 |
| Imo | 10.6 | 10.5 | 8.4 | 5.6 | 8.1 | 22.9 | 260 |
| Jigawa | 2.2 | 6.3 | 6.0 | 11.3 | 7.1 | 14.5 | 534 |
| Kaduna | 18.3 | 15.3 | 17.4 | 16.0 | 15.0 | 27.8 | 898 |
| Kano | 13.6 | 13.5 | 12.2 | 13.9 | 13.2 | 22.0 | 1,028 |
| Katsina | 0.6 | 1.5 | 2.9 | 6.5 | 0.9 | 9.1 | 816 |
| Kebbi | 12.5 | 21.8 | 17.7 | 14.2 | 14.0 | 35.7 | 426 |
| Kogi | 15.5 | 7.2 | 7.7 | 5.3 | 8.1 | 20.0 | 275 |
| Kwara | 0.9 | 1.9 | 1.0 | 1.3 | 2.6 | 3.3 | 232 |
| Lagos | 3.0 | 2.2 | 2.2 | 0.8 | 0.8 | 4.4 | 808 |
| Nasarawa | 6.5 | 6.7 | 3.8 | 4.1 | 2.6 | 13.6 | 352 |
| Niger | 2.0 | 3.5 | 3.0 | 4.3 | 4.1 | 10.4 | 645 |
| Ogun | 10.3 | 27.2 | 17.9 | 5.1 | 4.1 | 31.0 | 206 |
| Ondo | 8.4 | 11.4 | 14.7 | 1.0 | 1.7 | 19.5 | 293 |
| Osun | 4.7 | 7.7 | 7.5 | 1.2 | 2.7 | 12.5 | 296 |
| Oyo | 4.1 | 13.1 | 2.4 | 7.1 | 6.0 | 20.5 | 490 |
| Plateau | 7.1 | 12.5 | 9.1 | 9.9 | 2.1 | 22.9 | 606 |
| Rivers | 2.8 | 6.5 | 9.2 | 14.7 | 2.1 | 23.6 | 436 |
| Sokoto | 1.6 | 0.8 | 1.0 | 0.7 | 1.1 | 2.8 | 358 |
| Taraba | 12.4 | 11.9 | 19.3 | 12.8 | 10.3 | 32.9 | 256 |
| Yobe | 2.1 | 2.0 | 2.4 | 16.0 | 3.3 | 20.0 | 537 |
| Zamfara | 8.7 | 8.1 | 20.2 | 16.0 | 5.0 | 29.6 | 613 |
| FCT-Abuja | 0.6 | 1.5 | 1.0 | 0.6 | 0.2 | 2.7 | 139 |

¹ MICS indicator 8.12 - Attitudes towards domestic violence^[M]

Children's Living Arrangements

Table CP.14: Children's living arrangements and orphanhood

Percent distribution of children age 0-17 years according to living arrangements, percentage of children age 0-17 years not living with a biological parent and percentage of children who have one or both parents dead, Nigeria, 2016-17

| | Living with both parents | Living with neither biological parent | | | | Living with mother only | | Living with father only | | Missing information on father/mother | Total | Living with neither biological parent ¹ | One or both parents dead ² | Number of children age 0-17 years |
|------------------------------------|--------------------------|---------------------------------------|-------------------|------------|------------|-------------------------|-------------|-------------------------|-------------|--------------------------------------|--------------|--|---------------------------------------|-----------------------------------|
| | | Only father alive | Only mother alive | Both alive | Both dead | Father alive | Father dead | Mother alive | Mother dead | | | | | |
| Total | 81.4 | 0.6 | 1.0 | 5.3 | 0.6 | 3.8 | 3.5 | 2.5 | 1.2 | 0.1 | 100.0 | 7.5 | 6.9 | 96,192 |
| Geopolitical zone | | | | | | | | | | | | | | |
| North Central | 80.9 | 0.4 | 1.0 | 6.0 | 0.7 | 3.4 | 3.7 | 2.6 | 1.2 | 0.1 | 100.0 | 8.1 | 7.1 | 16,114 |
| North East | 85.1 | 0.4 | 1.3 | 4.0 | 0.3 | 1.9 | 3.2 | 2.7 | 1.2 | 0.1 | 100.0 | 6.0 | 6.4 | 21,160 |
| North West | 87.0 | 0.5 | 0.7 | 3.4 | 0.8 | 1.2 | 2.5 | 2.5 | 1.3 | 0.1 | 100.0 | 5.4 | 5.8 | 35,260 |
| South East | 69.3 | 0.9 | 1.7 | 9.1 | 0.7 | 7.6 | 7.9 | 1.3 | 1.2 | 0.3 | 100.0 | 12.5 | 12.4 | 5,567 |
| South South | 65.9 | 0.8 | 1.4 | 7.8 | 0.7 | 12.9 | 5.9 | 3.5 | 1.0 | 0.1 | 100.0 | 10.7 | 9.8 | 7,939 |
| South West | 73.5 | 0.8 | 1.0 | 10.0 | 0.3 | 8.2 | 3.1 | 2.0 | 1.1 | 0.1 | 100.0 | 12.1 | 6.2 | 10,152 |
| Residence | | | | | | | | | | | | | | |
| Urban | 78.6 | 0.7 | 1.1 | 6.5 | 0.6 | 4.6 | 4.5 | 2.0 | 1.3 | 0.1 | 100.0 | 8.9 | 8.2 | 30,350 |
| Rural | 82.7 | 0.5 | 1.0 | 4.8 | 0.6 | 3.4 | 3.1 | 2.7 | 1.2 | 0.1 | 100.0 | 6.9 | 6.3 | 65,843 |
| Age (years) | | | | | | | | | | | | | | |
| 0-4 | 89.1 | 0.3 | 0.3 | 2.3 | 0.2 | 4.8 | 1.7 | 1.1 | 0.3 | 0.1 | 100.0 | 3.1 | 2.7 | 31,299 |
| 5-9 | 82.7 | 0.5 | 0.8 | 5.1 | 0.4 | 3.4 | 3.2 | 2.8 | 1.0 | 0.1 | 100.0 | 6.8 | 5.9 | 29,627 |
| 10-14 | 76.8 | 0.7 | 1.6 | 6.8 | 0.7 | 3.2 | 4.8 | 3.5 | 1.9 | 0.1 | 100.0 | 9.8 | 9.8 | 24,773 |
| 15-17 | 65.6 | 1.2 | 2.5 | 11.7 | 2.0 | 3.5 | 7.0 | 3.5 | 2.5 | 0.3 | 100.0 | 17.5 | 15.3 | 10,494 |
| Wealth index quintile | | | | | | | | | | | | | | |
| Poorest | 88.3 | 0.5 | 0.6 | 3.4 | 0.6 | 1.2 | 1.8 | 2.2 | 1.3 | 0.1 | 100.0 | 5.1 | 4.8 | 21,357 |
| Second | 84.4 | 0.4 | 0.8 | 4.4 | 0.5 | 2.5 | 2.9 | 3.0 | 0.9 | 0.1 | 100.0 | 6.1 | 5.6 | 20,354 |
| Middle | 76.8 | 0.5 | 1.6 | 6.2 | 0.7 | 5.0 | 5.0 | 2.9 | 1.2 | 0.1 | 100.0 | 9.0 | 9.1 | 19,298 |
| Fourth | 75.8 | 0.7 | 1.0 | 7.1 | 0.6 | 5.4 | 5.4 | 2.5 | 1.4 | 0.1 | 100.0 | 9.4 | 9.1 | 18,419 |
| Richest | 80.4 | 0.6 | 1.2 | 6.2 | 0.7 | 5.4 | 2.6 | 1.8 | 1.1 | 0.1 | 100.0 | 8.6 | 6.2 | 16,765 |
| Ethnicity of household head | | | | | | | | | | | | | | |
| Hausa | 86.8 | 0.5 | 0.9 | 3.4 | 0.6 | 1.3 | 2.5 | 2.6 | 1.3 | 0.1 | 100.0 | 5.4 | 5.8 | 52,167 |
| Igbo | 72.9 | 0.8 | 1.4 | 8.1 | 0.5 | 6.7 | 6.7 | 1.4 | 1.3 | 0.2 | 100.0 | 10.9 | 10.7 | 7,938 |
| Yoruba | 71.6 | 0.8 | 1.0 | 11.0 | 0.5 | 8.4 | 3.7 | 2.0 | 0.8 | 0.1 | 100.0 | 13.4 | 6.9 | 9,481 |
| Other ethnic group | 76.8 | 0.5 | 1.3 | 6.2 | 0.6 | 6.1 | 4.5 | 2.9 | 1.1 | 0.1 | 100 | 8.6 | 7.9 | 26,606 |

¹ MICS indicator 8.13 - Children's living arrangements

² MICS indicator 8.14 - Prevalence of children with one or both parents dead

Table CP.14: Children's living arrangements and orphanhood (continued)

Percent distribution of children age 0-17 years according to living arrangements, percentage of children age 0-17 years not living with a biological parent and percentage of children who have one or both parents dead, Nigeria, 2016-17

| | Living with both parents | Living with neither biological parent | | | | Living with mother only | | Living with father only | | Missing information on father/mother | Total | Living with neither biological parent ¹ | One or both parents dead ² | Number of children age 0-17 years |
|--------------|--------------------------|---------------------------------------|-------------------|------------|------------|-------------------------|-------------|-------------------------|-------------|--------------------------------------|--------------|--|---------------------------------------|-----------------------------------|
| | | Only father alive | Only mother alive | Both alive | Both dead | Father alive | Father dead | Mother alive | Mother dead | | | | | |
| Total | 81.4 | 0.6 | 1.0 | 5.3 | 0.6 | 3.8 | 3.5 | 2.5 | 1.2 | 0.1 | 100.0 | 7.5 | 6.9 | 96,192 |
| State | | | | | | | | | | | | | | |
| Abia | 71.3 | 0.9 | 2.0 | 8.1 | 0.9 | 8.0 | 6.7 | 0.9 | 0.9 | 0.3 | 100.0 | 11.9 | 11.4 | 776 |
| Adamawa | 82.0 | 0.5 | 1.6 | 5.6 | 0.7 | 2.6 | 2.2 | 3.9 | 1.0 | 0.0 | 100.0 | 8.4 | 5.9 | 2,351 |
| Akwa Ibom | 58.5 | 1.3 | 2.1 | 9.1 | 1.1 | 14.8 | 7.2 | 4.2 | 1.4 | 0.1 | 100.0 | 13.6 | 13.2 | 1,831 |
| Anambra | 71.4 | 1.1 | 1.2 | 7.9 | 0.4 | 7.6 | 8.1 | 1.1 | 0.9 | 0.2 | 100.0 | 10.6 | 11.8 | 1,338 |
| Bauchi | 88.9 | 0.2 | 0.7 | 2.7 | 0.2 | 0.7 | 1.5 | 3.9 | 1.1 | 0.0 | 100.0 | 3.9 | 3.8 | 5,136 |
| Bayelsa | 60.2 | 1.2 | 1.1 | 8.6 | 0.4 | 19.2 | 4.9 | 3.7 | 0.6 | 0.0 | 100.0 | 11.4 | 8.3 | 640 |
| Benue | 72.8 | 0.6 | 1.9 | 9.1 | 1.3 | 4.1 | 6.1 | 3.0 | 1.2 | 0.0 | 100.0 | 12.8 | 11.1 | 2,554 |
| Borno | 82.8 | 0.4 | 1.8 | 3.4 | 0.3 | 2.9 | 5.8 | 1.2 | 1.2 | 0.2 | 100.0 | 5.9 | 9.5 | 6,427 |
| Cross River | 66.7 | 0.2 | 1.0 | 9.9 | 0.9 | 12.2 | 4.8 | 4.0 | 0.4 | 0.0 | 100.0 | 11.9 | 7.3 | 1,571 |
| Delta | 69.0 | 0.6 | 1.0 | 7.3 | 0.3 | 13.7 | 5.1 | 2.1 | 1.0 | 0.0 | 100.0 | 9.2 | 7.9 | 1,355 |
| Ebonyi | 70.2 | 0.6 | 0.8 | 9.5 | 0.7 | 6.3 | 9.4 | 1.4 | 0.8 | 0.3 | 100.0 | 11.6 | 12.3 | 1,076 |
| Edo | 75.1 | 0.6 | 0.5 | 4.2 | 0.5 | 8.3 | 7.1 | 2.4 | 1.2 | 0.1 | 100.0 | 5.8 | 9.9 | 1,028 |
| Ekiti | 64.9 | 1.4 | 1.2 | 13.2 | 1.2 | 11.6 | 3.1 | 2.1 | 1.1 | 0.1 | 100.0 | 17.0 | 8.1 | 460 |
| Enugu | 70.0 | 0.9 | 1.8 | 10.3 | 0.9 | 5.1 | 8.7 | 0.9 | 0.7 | 0.6 | 100.0 | 14.1 | 13.2 | 993 |
| Gombe | 87.3 | 0.8 | 0.5 | 4.2 | 0.4 | 1.4 | 1.2 | 3.0 | 1.1 | 0.0 | 100.0 | 6.0 | 4.1 | 1,865 |
| Imo | 65.1 | 1.0 | 2.6 | 9.8 | 0.8 | 10.1 | 6.5 | 1.7 | 2.2 | 0.2 | 100.0 | 14.2 | 13.0 | 1,384 |
| Jigawa | 87.9 | 0.7 | 0.8 | 3.6 | 0.2 | 0.8 | 0.9 | 3.4 | 1.5 | 0.2 | 100.0 | 5.3 | 4.1 | 4,801 |
| Kaduna | 85.4 | 0.4 | 0.8 | 3.9 | 0.4 | 1.5 | 4.2 | 2.0 | 1.3 | 0.0 | 100.0 | 5.5 | 7.2 | 5,745 |
| Kano | 86.2 | 0.6 | 0.8 | 3.5 | 1.1 | 1.4 | 2.7 | 2.5 | 1.2 | 0.0 | 100.0 | 6.0 | 6.4 | 7,772 |
| Katsina | 90.3 | 0.2 | 0.3 | 2.4 | 1.3 | 0.6 | 1.7 | 1.9 | 1.3 | 0.0 | 100.0 | 4.2 | 4.7 | 6,357 |
| Kebbi | 86.7 | 0.3 | 0.8 | 3.0 | 1.1 | 1.2 | 2.6 | 2.4 | 1.7 | 0.2 | 100.0 | 5.3 | 6.6 | 3,133 |
| Kogi | 66.1 | 0.8 | 1.2 | 12.3 | 0.7 | 9.9 | 4.7 | 3.0 | 1.0 | 0.3 | 100.0 | 15.1 | 8.4 | 1,488 |
| Kwara | 79.7 | 0.7 | 1.0 | 8.8 | 1.0 | 3.3 | 4.3 | 1.0 | 0.1 | 0.0 | 100.0 | 11.5 | 7.2 | 1,321 |
| Lagos | 78.8 | 0.5 | 0.7 | 5.8 | 0.4 | 7.0 | 3.4 | 1.5 | 1.7 | 0.2 | 100.0 | 7.5 | 6.8 | 3,216 |
| Nasarawa | 81.6 | 0.4 | 1.2 | 4.4 | 0.5 | 2.5 | 3.9 | 3.5 | 2.0 | 0.0 | 100.0 | 6.6 | 8.0 | 2,074 |
| Niger | 89.5 | 0.2 | 0.4 | 3.0 | 0.4 | 1.2 | 1.6 | 2.3 | 1.4 | 0.0 | 100.0 | 3.9 | 4.0 | 4,487 |
| Ogun | 75.3 | 0.6 | 0.6 | 9.6 | 0.0 | 9.1 | 2.8 | 1.3 | 0.4 | 0.1 | 100.0 | 10.9 | 4.5 | 1,080 |
| Ondo | 65.7 | 0.9 | 1.6 | 12.2 | 0.2 | 13.7 | 3.2 | 2.0 | 0.5 | 0.0 | 100.0 | 14.8 | 6.4 | 1,482 |
| Osun | 66.4 | 1.5 | 2.0 | 14.5 | 0.3 | 8.1 | 3.2 | 2.9 | 1.0 | 0.0 | 100.0 | 18.3 | 8.0 | 1,409 |
| Oyo | 76.3 | 0.6 | 0.4 | 11.1 | 0.2 | 5.4 | 2.7 | 2.3 | 0.9 | 0.1 | 100.0 | 12.4 | 4.8 | 2,506 |
| Plateau | 81.1 | 0.5 | 1.2 | 5.1 | 0.6 | 3.9 | 3.9 | 2.5 | 1.0 | 0.1 | 100.0 | 7.4 | 7.2 | 3,451 |
| Rivers | 67.4 | 0.8 | 2.3 | 6.6 | 0.7 | 11.1 | 5.7 | 3.9 | 1.4 | 0.1 | 100.0 | 10.4 | 10.9 | 1,514 |
| Sokoto | 84.5 | 0.6 | 0.8 | 5.2 | 0.4 | 2.0 | 3.1 | 2.0 | 1.0 | 0.3 | 100.0 | 7.0 | 6.1 | 2,984 |
| Taraba | 80.2 | 0.3 | 1.1 | 5.9 | 1.0 | 3.7 | 2.9 | 4.0 | 0.8 | 0.1 | 100.0 | 8.3 | 6.2 | 1,524 |
| Yobe | 86.5 | 0.2 | 1.7 | 4.7 | 0.1 | 0.6 | 2.6 | 2.1 | 1.4 | 0.0 | 100.0 | 6.7 | 6.1 | 3,856 |
| Zamfara | 86.9 | 1.1 | 0.7 | 2.8 | 0.3 | 1.0 | 2.5 | 3.3 | 1.0 | 0.3 | 100.0 | 4.8 | 5.6 | 4,468 |
| FCT-Abuja | 84.9 | 0.1 | 0.1 | 4.5 | 0.8 | 2.2 | 3.9 | 1.8 | 1.6 | 0.0 | 100.0 | 5.5 | 6.5 | 739 |

¹ MICS indicator 8.13 - Children's living arrangements² MICS indicator 8.14 - Prevalence of children with one or both parents dead

Table CP.15: Children with parents living abroad

Percent distribution of children age 0-17 years by residence of parents in another country, Nigeria, 2016-17

| | Percent distribution of children age 0-17 years: | | | | | Total | Percentage of children age 0-17 years with at least one parent living abroad ¹ | Number of children age 0-17 years |
|------------------------------------|--|--------------------|-------------------------------|-----------------------------------|--------------|--------------|---|-----------------------------------|
| | With at least one parent living abroad | | | With neither parent living abroad | Total | | | |
| | Only mother abroad | Only father abroad | Both mother and father abroad | | | | | |
| Total | 0.0 | 0.1 | 0.0 | 99.9 | 100.0 | 100.0 | 0.1 | 96,192 |
| Geopolitical zone | | | | | | | | |
| North Central | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 100.0 | 0.0 | 16,114 |
| North East | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 100.0 | 0.0 | 21,160 |
| North West | 0.0 | 0.0 | 0.0 | 99.9 | 100.0 | 100.0 | 0.1 | 35,260 |
| South East | 0.0 | 0.3 | 0.0 | 99.7 | 100.0 | 100.0 | 0.3 | 5,567 |
| South South | 0.0 | 0.2 | 0.0 | 99.8 | 100.0 | 100.0 | 0.2 | 7,939 |
| South West | 0.1 | 0.3 | 0.3 | 99.3 | 100.0 | 100.0 | 0.7 | 10,152 |
| Residence | | | | | | | | |
| Urban | 0.0 | 0.2 | 0.1 | 99.7 | 100.0 | 100.0 | 0.3 | 30,350 |
| Rural | 0.0 | 0.0 | 0.0 | 99.9 | 100.0 | 100.0 | 0.1 | 65,843 |
| Age group (Years) | | | | | | | | |
| 0-4 | 0.0 | 0.1 | 0.0 | 99.9 | 100.0 | 100.0 | 0.1 | 31,299 |
| 5-9 | 0.0 | 0.1 | 0.0 | 99.9 | 100.0 | 100.0 | 0.1 | 29,627 |
| 10-14 | 0.0 | 0.1 | 0.1 | 99.8 | 100.0 | 100.0 | 0.2 | 24,773 |
| 15-17 | 0.1 | 0.1 | 0.0 | 99.8 | 100.0 | 100.0 | 0.2 | 10,494 |
| Wealth index quintile | | | | | | | | |
| Poorest | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 100.0 | 0.0 | 21,357 |
| Second | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 100.0 | 0.0 | 20,354 |
| Middle | 0.0 | 0.1 | 0.0 | 99.9 | 100.0 | 100.0 | 0.1 | 19,298 |
| Fourth | 0.0 | 0.1 | 0.0 | 99.9 | 100.0 | 100.0 | 0.1 | 18,419 |
| Richest | 0.1 | 0.3 | 0.1 | 99.6 | 100.0 | 100.0 | 0.4 | 16,765 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 100.0 | 0.0 | 52,167 |
| Igbo | 0.0 | 0.5 | 0.0 | 99.5 | 100.0 | 100.0 | 0.5 | 7,938 |
| Yoruba | 0.1 | 0.2 | 0.2 | 99.5 | 100.0 | 100.0 | 0.5 | 9,481 |
| Other ethnic group | 0.0 | 0.1 | 0.0 | 99.9 | 100 | 100 | 0.1 | 26,606 |

¹ MICS indicator 8.15 - Children with at least one parent living abroad

Table CP.15: Children with parents living abroad (continued)

Percent distribution of children age 0-17 years by residence of parents in another country, Nigeria, 2016-17

| | Percent distribution of children age 0-17 years: | | | | | Percentage of children age 0-17 years with at least one parent living abroad ¹ | Number of children age 0-17 years |
|--------------|--|--------------------|-------------------------------|-----------------------------------|--------------|---|-----------------------------------|
| | With at least one parent living abroad | | | With neither parent living abroad | Total | | |
| | Only mother abroad | Only father abroad | Both mother and father abroad | | | | |
| Total | 0.0 | 0.1 | 0.0 | 99.9 | 100.0 | 0.1 | 96,192 |
| State | | | | | | | |
| Abia | 0.1 | 1.1 | 0.0 | 98.7 | 100.0 | 1.3 | 776 |
| Adamawa | 0.1 | 0.0 | 0.0 | 99.9 | 100.0 | 0.1 | 2,351 |
| Akwa Ibom | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 1,831 |
| Anambra | 0.0 | 0.1 | 0.0 | 99.9 | 100.0 | 0.1 | 1,338 |
| Bauchi | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 5,136 |
| Bayelsa | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 640 |
| Benue | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 2,554 |
| Borno | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 6,427 |
| Cross River | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 1,571 |
| Delta | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 1,355 |
| Ebonyi | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 1,076 |
| Edo | 0.0 | 0.9 | 0.0 | 99.1 | 100.0 | 0.9 | 1,028 |
| Ekiti | 0.1 | 0.0 | 0.5 | 99.4 | 100.0 | 0.6 | 460 |
| Enugu | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 993 |
| Gombe | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 1,865 |
| Imo | 0.0 | 0.5 | 0.0 | 99.5 | 100.0 | 0.5 | 1,384 |
| Jigawa | 0.1 | 0.0 | 0.0 | 99.9 | 100.0 | 0.1 | 4,801 |
| Kaduna | 0.0 | 0.1 | 0.0 | 99.9 | 100.0 | 0.1 | 5,745 |
| Kano | 0.1 | 0.0 | 0.0 | 99.9 | 100.0 | 0.1 | 7,772 |
| Katsina | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 6,357 |
| Kebbi | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 3,133 |
| Kogi | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 1,488 |
| Kwara | 0.1 | 0.0 | 0.0 | 99.9 | 100.0 | 0.1 | 1,321 |
| Lagos | 0.0 | 0.7 | 0.2 | 99.1 | 100.0 | 0.9 | 3,216 |
| Nasarawa | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 2,074 |
| Niger | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 4,487 |
| Ogun | 0.3 | 0.3 | 0.2 | 99.3 | 100.0 | 0.7 | 1,080 |
| Ondo | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 1,482 |
| Osun | 0.1 | 0.3 | 0.7 | 98.9 | 100.0 | 1.1 | 1,409 |
| Oyo | 0.1 | 0.1 | 0.3 | 99.5 | 100.0 | 0.5 | 2,506 |
| Plateau | 0.0 | 0.1 | 0.0 | 99.9 | 100.0 | 0.1 | 3,451 |
| Rivers | 0.0 | 0.3 | 0.0 | 99.7 | 100.0 | 0.3 | 1,514 |
| Sokoto | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 2,984 |
| Taraba | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 1,524 |
| Yobe | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 3,856 |
| Zamfara | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 4,468 |
| FCT-Abuja | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 0.0 | 739 |

¹ MICS indicator 8.15 - Children with at least one parent living abroad

XII. HIV/AIDS and Sexual Behaviour

Knowledge about HIV Transmission and Misconceptions about HIV

Table HA.1: Knowledge about HIV transmission, misconceptions about HIV, and comprehensive knowledge about HIV transmission (women)

Percentage of women age 15-49 years who know the main ways of preventing HIV transmission, percentage who know that a healthy-looking person can be HIV-positive, percentage who reject common misconceptions, and percentage who have comprehensive knowledge about HIV transmission, Nigeria, 2016-17

| | Percentage who know transmission can be prevented by: | | | | Percentage who know that a healthy-looking person can be HIV-positive | Percentage who know that HIV cannot be transmitted by: | | | Percentage who reject the two most common misconceptions and know that a healthy-looking person can be HIV-positive | Percentage with comprehensive knowledge ¹ | Number of women age 15-49 |
|------------------------------------|---|--------------------------------------|---------------------------|-------------|---|--|--------------------|------------------------------------|---|--|---------------------------|
| | Percentage who have heard of AIDS | Having only one faithful sex partner | Using a condom every time | Both | | Mosquito bites | Supernatural means | Sharing food with someone with HIV | | | |
| Total | 83.4 | 67.8 | 55.4 | 50.5 | 64.6 | 59.6 | 59.6 | 60.2 | 40.3 | 29.4 | 34,376 |
| Geopolitical zone | | | | | | | | | | | |
| North Central | 81.2 | 67.0 | 56.0 | 51.1 | 62.4 | 55.0 | 53.7 | 56.6 | 36.7 | 28.1 | 6,006 |
| North East | 77.6 | 63.3 | 46.4 | 42.0 | 60.7 | 58.2 | 58.2 | 59.1 | 41.1 | 28.5 | 6,584 |
| North West | 77.7 | 59.2 | 43.7 | 40.0 | 52.6 | 56.3 | 57.0 | 51.0 | 35.0 | 23.9 | 10,932 |
| South East | 92.6 | 72.0 | 63.3 | 54.5 | 80.0 | 70.1 | 62.8 | 71.9 | 48.3 | 31.2 | 2,445 |
| South South | 95.1 | 83.8 | 77.8 | 72.4 | 82.9 | 68.6 | 60.4 | 76.4 | 45.9 | 37.3 | 3,668 |
| South West | 93.3 | 80.1 | 73.1 | 66.8 | 78.6 | 62.3 | 72.8 | 68.6 | 47.2 | 38.2 | 4,741 |
| Residence | | | | | | | | | | | |
| Urban | 92.9 | 79.4 | 68.6 | 63.0 | 77.7 | 70.5 | 73.1 | 72.4 | 52.6 | 40.4 | 12,373 |
| Rural | 78.0 | 61.2 | 48.1 | 43.5 | 57.3 | 53.4 | 52.0 | 53.3 | 33.4 | 23.2 | 22,003 |
| Age (years) | | | | | | | | | | | |
| 15-24 ¹ | 81.8 | 65.7 | 54.1 | 49.1 | 62.2 | 59.0 | 59.2 | 59.0 | 39.8 | 29.3 | 12,637 |
| 15-19 | 79.8 | 63.4 | 50.9 | 46.3 | 59.6 | 58.0 | 58.6 | 57.3 | 38.8 | 28.1 | 6,822 |
| 20-24 | 84.0 | 68.4 | 57.9 | 52.4 | 65.2 | 60.2 | 60.0 | 61.0 | 41.0 | 30.7 | 5,816 |
| 25-29 | 84.1 | 68.6 | 56.6 | 51.8 | 66.0 | 60.8 | 60.8 | 61.5 | 42.1 | 30.8 | 5,915 |
| 30-39 | 85.1 | 70.1 | 57.2 | 52.1 | 66.6 | 60.9 | 60.3 | 61.9 | 40.6 | 29.4 | 9,729 |
| 40-49 | 83.2 | 67.6 | 54.2 | 49.5 | 65.1 | 57.4 | 58.0 | 58.4 | 38.9 | 28.4 | 6,095 |
| Marital status | | | | | | | | | | | |
| Ever married/in union | 82.3 | 66.6 | 53.7 | 48.9 | 63.0 | 57.7 | 57.9 | 58.1 | 38.5 | 27.8 | 25,778 |
| Never married/in union | 86.8 | 71.8 | 61.2 | 55.8 | 69.8 | 65.4 | 64.9 | 66.7 | 45.8 | 34.5 | 8,520 |
| Education | | | | | | | | | | | |
| None | 70.6 | 52.8 | 38.8 | 35.0 | 47.2 | 47.2 | 47.5 | 44.2 | 28.3 | 19.8 | 7,799 |
| Non-formal | 70.8 | 52.1 | 34.4 | 31.1 | 45.6 | 50.2 | 49.9 | 44.4 | 28.8 | 17.8 | 5,646 |
| Primary | 85.3 | 69.0 | 56.3 | 50.6 | 65.4 | 55.5 | 57.1 | 59.3 | 36.4 | 25.8 | 4,963 |
| Secondary | 92.1 | 77.8 | 67.9 | 61.8 | 76.5 | 66.6 | 66.7 | 70.8 | 47.0 | 35.4 | 12,466 |
| Higher | 98.4 | 88.9 | 80.8 | 76.1 | 90.8 | 83.0 | 80.5 | 84.4 | 66.9 | 53.7 | 3,502 |
| Wealth index quintile | | | | | | | | | | | |
| Poorest | 63.5 | 46.0 | 32.5 | 29.3 | 38.7 | 43.1 | 43.5 | 36.3 | 23.6 | 15.7 | 6,120 |
| Second | 75.4 | 57.2 | 42.3 | 38.2 | 52.0 | 50.5 | 49.9 | 49.6 | 30.3 | 20.8 | 6,478 |
| Middle | 86.4 | 70.4 | 55.5 | 50.5 | 65.4 | 58.9 | 58.1 | 61.6 | 38.1 | 27.4 | 6,708 |
| Fourth | 91.2 | 76.6 | 65.5 | 59.4 | 75.7 | 64.4 | 66.2 | 68.5 | 45.4 | 32.7 | 7,053 |
| Richest | 95.5 | 82.9 | 74.7 | 68.8 | 84.2 | 75.8 | 75.2 | 78.2 | 58.4 | 45.6 | 8,017 |
| Ethnicity of household head | | | | | | | | | | | |
| Hausa | 76.4 | 58.6 | 43.9 | 39.8 | 53.5 | 55.6 | 57.1 | 51.7 | 36.1 | 25.0 | 15,920 |
| Igbo | 93.5 | 76.2 | 67.2 | 59.7 | 81.1 | 71.9 | 65.8 | 73.5 | 50.8 | 35.4 | 3,558 |
| Yoruba | 93.3 | 79.4 | 72.3 | 65.7 | 77.6 | 61.2 | 73.1 | 68.3 | 46.5 | 37.7 | 4,380 |
| Other ethnic group | 86.3 | 73.9 | 62.0 | 57.3 | 70.5 | 60.7 | 55.7 | 65.1 | 40.5 | 30.7 | 10,518 |

¹MICS indicator 9.1; MDG indicator 6.3 - Knowledge about HIV prevention among young women

Table HA.1: Knowledge about HIV transmission, misconceptions about HIV, and comprehensive knowledge about HIV transmission (women) continued.

Percentage of women age 15-49 years who know the main ways of preventing HIV transmission, percentage who know that a healthy looking person can be HIV-positive, percentage who reject common misconceptions, and percentage who have comprehensive knowledge about HIV transmission, Nigeria, 2016-17

| | Percentage who know transmission can be prevented by: | | | | Percentage who know that a healthy looking person can be HIV-positive | Percentage who know that HIV cannot be transmitted by: | | | Percentage who reject the two most common misconceptions and know that a healthy looking person can be HIV-positive | Percentage with comprehensive knowledge ¹ | Number of women age 15-49 |
|--------------|---|--------------------------------------|---------------------------|-------------|---|--|--------------------|------------------------------------|---|--|---------------------------|
| | Percentage who have heard of AIDS | Having only one faithful sex partner | Using a condom every time | Both | | Mosquito bites | Supernatural means | Sharing food with someone with HIV | | | |
| Total | 83.4 | 67.8 | 55.4 | 50.5 | 64.6 | 59.6 | 59.6 | 60.2 | 40.3 | 29.4 | 34,376 |
| State | | | | | | | | | | | |
| Abia | 96.5 | 70.5 | 54.7 | 46.0 | 83.6 | 66.2 | 63.4 | 83.5 | 44.8 | 22.0 | 336 |
| Adamawa | 83.7 | 62.9 | 48.7 | 40.2 | 58.9 | 53.6 | 43.7 | 54.5 | 26.0 | 16.9 | 830 |
| Akwa Ibom | 99.5 | 86.7 | 84.8 | 78.9 | 92.4 | 55.6 | 46.6 | 67.6 | 35.2 | 27.7 | 834 |
| Anambra | 97.0 | 72.8 | 69.9 | 58.9 | 87.0 | 72.0 | 65.8 | 67.1 | 53.1 | 36.8 | 608 |
| Bauchi | 81.6 | 62.4 | 49.1 | 43.7 | 68.9 | 58.2 | 61.5 | 60.9 | 46.5 | 35.3 | 1,559 |
| Bayelsa | 94.8 | 85.1 | 76.1 | 73.0 | 74.2 | 77.2 | 68.8 | 73.0 | 50.5 | 43.5 | 260 |
| Benue | 98.7 | 85.4 | 75.6 | 69.3 | 80.2 | 71.7 | 66.9 | 76.1 | 50.9 | 41.4 | 956 |
| Borno | 90.6 | 81.8 | 58.2 | 54.9 | 78.1 | 73.6 | 80.4 | 75.4 | 61.0 | 42.0 | 1,984 |
| Cross River | 98.3 | 91.9 | 84.4 | 80.7 | 83.2 | 68.6 | 53.4 | 84.4 | 37.4 | 32.7 | 693 |
| Delta | 88.6 | 72.1 | 59.8 | 53.5 | 62.0 | 62.4 | 58.5 | 70.2 | 33.3 | 23.2 | 584 |
| Ebonyi | 81.9 | 70.6 | 62.8 | 57.5 | 63.1 | 57.6 | 42.5 | 44.9 | 29.7 | 23.0 | 400 |
| Edo | 88.3 | 76.4 | 75.9 | 67.6 | 84.8 | 80.9 | 80.0 | 72.7 | 72.9 | 59.1 | 494 |
| Ekiti | 97.0 | 76.7 | 74.1 | 63.0 | 86.3 | 53.1 | 70.9 | 70.4 | 39.7 | 28.9 | 216 |
| Enugu | 85.7 | 61.8 | 50.8 | 43.5 | 73.8 | 72.4 | 64.4 | 77.0 | 52.4 | 28.7 | 495 |
| Gombe | 50.0 | 44.6 | 25.2 | 24.3 | 37.6 | 33.5 | 34.4 | 37.7 | 22.1 | 12.8 | 562 |
| Imo | 98.8 | 81.3 | 71.9 | 61.7 | 87.0 | 76.6 | 71.7 | 84.0 | 54.2 | 38.0 | 606 |
| Jigawa | 79.4 | 59.5 | 50.6 | 44.3 | 60.5 | 51.1 | 49.3 | 37.7 | 35.9 | 23.3 | 1,313 |
| Kaduna | 96.1 | 87.6 | 73.1 | 70.3 | 79.1 | 79.6 | 77.5 | 79.1 | 60.4 | 50.7 | 2,076 |
| Kano | 75.3 | 59.5 | 33.1 | 30.3 | 50.4 | 54.4 | 55.7 | 54.7 | 31.5 | 16.8 | 2,389 |
| Katsina | 75.0 | 54.6 | 42.2 | 37.9 | 46.9 | 52.5 | 61.5 | 41.5 | 29.7 | 18.5 | 1,950 |
| Kebbi | 52.7 | 25.4 | 18.7 | 14.7 | 20.8 | 33.6 | 25.0 | 26.1 | 11.5 | 5.6 | 956 |
| Kogi | 80.8 | 66.4 | 56.7 | 50.3 | 58.0 | 39.6 | 52.1 | 33.5 | 25.4 | 19.5 | 632 |
| Kwara | 79.9 | 64.5 | 54.8 | 49.8 | 64.8 | 49.3 | 53.2 | 53.0 | 35.5 | 28.4 | 487 |
| Lagos | 98.5 | 89.7 | 83.5 | 79.4 | 89.6 | 79.6 | 82.5 | 80.2 | 66.7 | 57.1 | 1,725 |
| Nasarawa | 87.1 | 68.1 | 58.7 | 52.4 | 69.5 | 61.9 | 51.5 | 60.4 | 36.8 | 25.7 | 738 |
| Niger | 72.2 | 55.1 | 40.4 | 37.2 | 48.9 | 48.7 | 47.4 | 44.2 | 30.7 | 20.6 | 1,536 |
| Ogun | 95.7 | 87.7 | 73.8 | 69.6 | 78.7 | 63.8 | 78.0 | 73.0 | 45.1 | 36.3 | 474 |
| Ondo | 87.9 | 68.5 | 63.2 | 53.1 | 65.3 | 52.7 | 65.0 | 66.2 | 30.9 | 21.2 | 646 |
| Osun | 95.2 | 72.0 | 69.0 | 59.0 | 80.4 | 51.8 | 73.2 | 58.2 | 39.8 | 28.1 | 638 |
| Oyo | 84.9 | 73.3 | 64.0 | 58.6 | 65.8 | 47.1 | 59.3 | 55.0 | 32.3 | 26.4 | 1,042 |
| Plateau | 72.6 | 66.7 | 54.8 | 52.3 | 61.6 | 51.8 | 49.2 | 63.3 | 37.5 | 30.2 | 1,317 |
| Rivers | 96.6 | 86.4 | 79.5 | 75.1 | 89.6 | 76.3 | 67.3 | 86.7 | 55.4 | 45.9 | 803 |
| Sokoto | 57.2 | 28.4 | 19.4 | 14.3 | 30.0 | 35.5 | 42.8 | 34.4 | 19.7 | 8.4 | 912 |
| Taraba | 80.5 | 60.7 | 47.5 | 41.5 | 52.3 | 51.0 | 45.3 | 50.7 | 28.1 | 15.2 | 558 |
| Yobe | 56.6 | 42.3 | 29.5 | 27.0 | 34.9 | 50.2 | 43.0 | 45.9 | 25.1 | 17.7 | 1,091 |
| Zamfara | 87.5 | 66.3 | 46.8 | 44.9 | 54.5 | 64.8 | 61.0 | 56.4 | 36.0 | 27.1 | 1,337 |
| FCT-Abuja | 95.9 | 72.0 | 71.2 | 58.5 | 64.9 | 70.9 | 70.6 | 71.1 | 44.8 | 36.9 | 340 |

¹MICS indicator 9.1; MDG indicator 6.3 - Knowledge about HIV prevention among young women

Table HA.1M: Knowledge about HIV transmission, misconceptions about HIV, and comprehensive knowledge about HIV transmission (men)

Percentage of men age 15-49 years who know the main ways of preventing HIV transmission, percentage who know that a healthy looking person can be HIV-positive, percentage who reject common misconceptions, and percentage who have comprehensive knowledge about HIV transmission, Nigeria, 2016-17

| | Percentage who know transmission can be prevented by: | | | | Percentage who know that a healthy-looking person can be HIV-positive | Percentage who know that HIV cannot be transmitted by: | | | Percentage who reject the two most common misconceptions and know that a healthy-looking person can be HIV-positive | Percentage with comprehensive knowledge ¹ | Number of men age 15-49 |
|------------------------------------|---|--------------------------------------|---------------------------|-------------|---|--|--------------------|------------------------------------|---|--|-------------------------|
| | Percentage who have heard of AIDS | Having only one faithful sex partner | Using a condom every time | Both | | Mosquito bites | Supernatural means | Sharing food with someone with HIV | | | |
| Total | 92.8 | 77.6 | 70.6 | 64.2 | 70.4 | 67.3 | 71.0 | 66.8 | 43.2 | 34.5 | 15,183 |
| Geopolitical zone | | | | | | | | | | | |
| North Central | 94.5 | 74.9 | 65.3 | 59.2 | 62.2 | 68.2 | 68.3 | 65.5 | 36.7 | 27.9 | 2,730 |
| North East | 93.5 | 77.0 | 73.4 | 64.0 | 74.8 | 74.4 | 78.6 | 79.3 | 59.8 | 47.1 | 2,943 |
| North West | 88.5 | 71.6 | 61.6 | 56.1 | 57.7 | 62.0 | 66.4 | 55.6 | 30.2 | 23.7 | 4,674 |
| South East | 98.3 | 84.6 | 79.0 | 72.5 | 83.4 | 68.9 | 66.8 | 74.8 | 50.1 | 40.1 | 984 |
| South South | 96.9 | 91.9 | 87.5 | 84.5 | 84.7 | 73.8 | 69.0 | 74.4 | 55.5 | 50.0 | 1,664 |
| South West | 93.6 | 80.3 | 75.8 | 69.0 | 84.9 | 62.4 | 77.6 | 66.0 | 44.0 | 34.3 | 2,189 |
| Residence | | | | | | | | | | | |
| Urban | 96.2 | 85.2 | 79.5 | 74.5 | 80.5 | 73.3 | 77.7 | 71.2 | 50.9 | 42.8 | 5,627 |
| Rural | 90.9 | 73.0 | 65.3 | 58.2 | 64.4 | 63.8 | 67.1 | 64.2 | 38.6 | 29.6 | 9,556 |
| Age (years) | | | | | | | | | | | |
| 15-24 ¹ | 89.4 | 70.2 | 64.6 | 57.1 | 63.8 | 61.8 | 65.6 | 61.5 | 37.1 | 27.9 | 5,887 |
| 15-19 | 86.9 | 66.1 | 59.9 | 52.8 | 59.5 | 59.1 | 61.1 | 57.7 | 33.7 | 24.8 | 3,508 |
| 20-24 | 93.0 | 76.3 | 71.6 | 63.6 | 70.1 | 65.9 | 72.3 | 67.1 | 42.1 | 32.4 | 2,378 |
| 25-29 | 95.1 | 81.1 | 73.7 | 67.6 | 73.3 | 71.4 | 75.5 | 69.8 | 46.7 | 38.0 | 2,191 |
| 30-39 | 95.3 | 83.0 | 75.6 | 69.9 | 75.7 | 71.6 | 74.4 | 70.9 | 48.1 | 39.9 | 4,014 |
| 40-49 | 94.6 | 81.9 | 73.2 | 68.1 | 73.9 | 69.3 | 73.9 | 69.3 | 45.9 | 37.5 | 3,092 |
| Marital status | | | | | | | | | | | |
| Ever married/in union | 94.8 | 81.1 | 72.6 | 66.6 | 72.9 | 69.1 | 73.8 | 69.2 | 44.7 | 36.2 | 7,423 |
| Never married/in union | 91.0 | 74.2 | 68.7 | 62.0 | 68.0 | 65.6 | 68.4 | 64.5 | 41.7 | 32.9 | 7,749 |
| Education | | | | | | | | | | | |
| None | 85.3 | 60.2 | 53.0 | 43.4 | 54.8 | 58.9 | 62.2 | 57.1 | 34.3 | 22.1 | 1,563 |
| Non-formal | 85.8 | 66.4 | 54.2 | 49.2 | 52.5 | 62.6 | 62.9 | 56.2 | 31.4 | 24.9 | 2,140 |
| Primary | 90.4 | 71.9 | 64.9 | 58.0 | 67.7 | 60.8 | 64.3 | 62.5 | 37.3 | 27.9 | 1,997 |
| Secondary | 95.1 | 81.4 | 74.9 | 68.7 | 74.0 | 66.8 | 72.2 | 68.2 | 42.9 | 34.3 | 6,861 |
| Higher | 99.1 | 91.1 | 87.4 | 82.1 | 86.6 | 82.5 | 85.1 | 80.6 | 63.1 | 55.1 | 2,622 |
| Wealth index quintile | | | | | | | | | | | |
| Poorest | 84.5 | 63.1 | 52.9 | 45.2 | 51.9 | 58.1 | 61.3 | 54.9 | 29.6 | 20.4 | 2,614 |
| Second | 89.3 | 70.6 | 60.6 | 53.3 | 59.4 | 61.2 | 67.4 | 62.2 | 34.3 | 24.5 | 2,901 |
| Middle | 94.3 | 77.7 | 71.6 | 64.8 | 69.7 | 68.4 | 71.3 | 68.9 | 43.8 | 35.4 | 2,927 |
| Fourth | 95.4 | 83.0 | 78.0 | 72.4 | 77.5 | 67.8 | 71.3 | 68.9 | 46.2 | 38.5 | 3,202 |
| Richest | 98.4 | 88.9 | 84.2 | 79.3 | 87.1 | 77.8 | 80.7 | 75.7 | 57.2 | 48.6 | 3,539 |
| Ethnicity of household head | | | | | | | | | | | |
| Hausa | 90.3 | 71.2 | 64.1 | 56.7 | 62.2 | 67.1 | 70.1 | 63.2 | 40.0 | 30.9 | 6,958 |
| Igbo | 98.4 | 87.4 | 82.1 | 76.6 | 85.1 | 72.3 | 71.8 | 72.1 | 49.8 | 41.5 | 1,488 |
| Yoruba | 94.2 | 79.6 | 75.4 | 68.1 | 83.8 | 62.0 | 75.8 | 68.1 | 44.6 | 34.8 | 1,980 |
| Other ethnic group | 94.3 | 82.9 | 74.5 | 69.8 | 72.1 | 68.3 | 70.2 | 69.8 | 45.1 | 37.3 | 4,757 |

¹MICS indicator 9.1; MDG indicator 6.3 - Knowledge about HIV prevention among young men^[M]

Table HA.1M: Knowledge about HIV transmission, misconceptions about HIV, and comprehensive knowledge about HIV transmission (men) continued.

Percentage of men age 15-49 years who know the main ways of preventing HIV transmission, percentage who know that a healthy looking person can be HIV-positive, percentage who reject common misconceptions, and percentage who have comprehensive knowledge about HIV transmission, Nigeria, 2016-17

| | Percentage who know transmission can be prevented by: | | | | Percentage who know that HIV cannot be transmitted by: | | | | Percentage who reject the two most common misconceptions and know that a healthy looking person can be HIV-positive | Percentage with comprehensive knowledge ¹ | Number of men age 15-49 |
|--------------|---|--------------------------------------|---------------------------|-------------|---|----------------|--------------------|------------------------------------|---|--|-------------------------|
| | Percentage who have heard of AIDS | Having only one faithful sex partner | Using a condom every time | Both | Percentage who know that a healthy looking person can be HIV-positive | Mosquito bites | Supernatural means | Sharing food with someone with HIV | | | |
| Total | 92.8 | 77.6 | 70.6 | 64.2 | 70.4 | 67.3 | 71.0 | 66.8 | 43.2 | 34.5 | 15,183 |
| State | | | | | | | | | | | |
| Abia | 96.9 | 88.1 | 80.1 | 75.5 | 80.1 | 57.1 | 61.5 | 74.2 | 42.4 | 35.9 | 142 |
| Adamawa | 95.1 | 90.9 | 88.2 | 85.8 | 89.8 | 67.2 | 82.7 | 74.5 | 62.7 | 58.9 | 389 |
| Akwa Ibom | 96.5 | 91.6 | 85.2 | 82.4 | 72.7 | 72.2 | 69.4 | 70.2 | 41.7 | 36.5 | 365 |
| Anambra | 99.8 | 86.3 | 80.2 | 74.2 | 81.5 | 59.8 | 60.8 | 62.6 | 27.1 | 21.6 | 241 |
| Bauchi | 99.2 | 56.5 | 72.5 | 43.1 | 79.2 | 81.3 | 84.4 | 89.2 | 69.6 | 39.1 | 681 |
| Bayelsa | 86.2 | 72.6 | 72.1 | 63.9 | 74.5 | 66.8 | 57.9 | 63.0 | 47.6 | 36.5 | 121 |
| Benue | 99.6 | 90.7 | 67.7 | 61.8 | 82.5 | 71.6 | 77.4 | 55.6 | 40.4 | 32.7 | 481 |
| Borno | 99.7 | 94.8 | 90.8 | 89.5 | 81.8 | 90.2 | 93.0 | 92.8 | 72.3 | 68.4 | 813 |
| Cross River | 99.2 | 95.3 | 88.3 | 86.1 | 91.9 | 82.9 | 73.3 | 89.1 | 73.5 | 66.3 | 275 |
| Delta | 99.4 | 94.4 | 91.7 | 89.4 | 90.3 | 55.1 | 62.6 | 57.1 | 36.1 | 33.9 | 258 |
| Ebonyi | 96.2 | 74.5 | 72.2 | 62.8 | 85.8 | 87.7 | 79.2 | 83.9 | 72.6 | 51.9 | 152 |
| Edo | 90.9 | 84.7 | 77.8 | 74.1 | 76.8 | 74.2 | 69.5 | 52.6 | 40.9 | 34.5 | 209 |
| Ekiti | 95.6 | 85.7 | 84.2 | 77.3 | 81.8 | 42.9 | 66.8 | 70.6 | 32.6 | 26.7 | 96 |
| Enugu | 99.8 | 89.9 | 79.7 | 76.2 | 88.5 | 81.1 | 77.6 | 87.6 | 67.0 | 57.4 | 190 |
| Gombe | 85.3 | 76.2 | 60.9 | 56.8 | 61.3 | 62.9 | 70.5 | 64.8 | 43.3 | 33.8 | 268 |
| Imo | 97.7 | 83.1 | 80.6 | 72.3 | 81.8 | 64.1 | 60.1 | 71.8 | 50.2 | 40.1 | 260 |
| Jigawa | 64.3 | 53.5 | 43.1 | 40.4 | 44.9 | 42.8 | 44.3 | 37.4 | 23.9 | 20.1 | 534 |
| Kaduna | 95.2 | 69.3 | 70.3 | 62.2 | 48.9 | 70.2 | 73.5 | 47.6 | 21.0 | 16.4 | 898 |
| Kano | 91.9 | 72.3 | 65.3 | 57.5 | 64.7 | 66.8 | 73.0 | 64.2 | 37.0 | 27.4 | 1,028 |
| Katsina | 97.0 | 94.9 | 75.4 | 74.8 | 62.7 | 82.7 | 89.4 | 70.3 | 47.0 | 42.2 | 816 |
| Kebbi | 84.1 | 46.1 | 46.5 | 34.6 | 52.8 | 35.8 | 35.6 | 37.5 | 9.1 | 4.0 | 426 |
| Kogi | 84.0 | 71.1 | 52.4 | 49.3 | 56.9 | 29.6 | 68.4 | 37.5 | 18.9 | 14.8 | 275 |
| Kwara | 93.4 | 84.6 | 75.9 | 70.4 | 80.6 | 64.6 | 63.6 | 74.2 | 47.7 | 39.5 | 232 |
| Lagos | 99.6 | 97.5 | 86.5 | 85.8 | 96.7 | 82.9 | 90.7 | 65.6 | 53.6 | 44.4 | 808 |
| Nasarawa | 89.2 | 78.3 | 82.1 | 73.8 | 55.4 | 58.5 | 60.1 | 64.9 | 29.9 | 27.2 | 352 |
| Niger | 93.3 | 39.8 | 28.1 | 19.6 | 43.5 | 71.6 | 67.1 | 68.1 | 30.5 | 10.1 | 645 |
| Ogun | 88.7 | 78.3 | 77.3 | 71.3 | 84.2 | 59.0 | 76.1 | 70.4 | 48.9 | 42.9 | 206 |
| Ondo | 96.2 | 74.7 | 72.1 | 64.2 | 84.5 | 68.6 | 76.3 | 84.1 | 55.9 | 38.1 | 293 |
| Osun | 97.1 | 69.1 | 73.3 | 55.9 | 72.2 | 38.1 | 67.4 | 60.5 | 24.9 | 17.3 | 296 |
| Oyo | 81.7 | 61.6 | 59.6 | 49.7 | 74.2 | 45.1 | 65.5 | 56.3 | 32.8 | 23.7 | 490 |
| Plateau | 99.1 | 92.0 | 89.9 | 85.6 | 59.7 | 83.3 | 67.8 | 82.3 | 46.6 | 42.9 | 606 |
| Rivers | 100.0 | 97.4 | 95.2 | 93.0 | 93.4 | 82.2 | 72.5 | 92.4 | 76.3 | 71.7 | 436 |
| Sokoto | 72.9 | 60.9 | 38.7 | 36.2 | 39.1 | 45.8 | 55.0 | 56.5 | 16.4 | 8.4 | 358 |
| Taraba | 86.9 | 66.4 | 57.9 | 46.7 | 67.2 | 47.7 | 57.7 | 62.6 | 34.7 | 21.8 | 256 |
| Yobe | 82.9 | 71.2 | 50.9 | 48.1 | 58.0 | 65.4 | 60.3 | 65.0 | 46.4 | 34.9 | 537 |
| Zamfara | 95.2 | 82.3 | 64.6 | 60.4 | 77.7 | 58.8 | 62.1 | 61.3 | 38.5 | 29.4 | 613 |
| FCT-Abuja | 98.6 | 91.2 | 88.2 | 83.4 | 86.8 | 80.7 | 73.5 | 55.7 | 43.4 | 37.1 | 139 |

¹MICS indicator 9.1; MDG indicator 6.3 - Knowledge about HIV prevention among young men^[M]

Table HA.2: Knowledge of mother-to-child HIV transmission (women)

Percentage of women age 15-49 years who correctly identify means of HIV transmission from mother to child, Nigeria, 2016-17

| | Percentage of women age 15-49 who have heard of AIDS and: | | | | | | | | |
|------------------------------------|---|-----------------|------------------|------------------------------------|---------------------------------|--|--|--|---------------------------|
| | Know HIV can be transmitted from mother to child: | | | | | Know HIV can be transmitted from mother to child: | | Do not know any of the specific means of HIV transmission from mother to child | Number of women age 15-49 |
| | During pregnancy | During delivery | By breastfeeding | By at least one of the three means | By all three means ¹ | By at least one of the three means and that risk can be reduced by mother taking special drugs | By breastfeeding and that risk can be reduced by mother taking special drugs | | |
| Total | 57.7 | 58.1 | 64.7 | 69.5 | 50.7 | 53.2 | 50.2 | 13.8 | 34376 |
| Geopolitical Zone | | | | | | | | | |
| North Central | 54.3 | 57.4 | 64.9 | 69.8 | 48.7 | 53.0 | 49.5 | 11.4 | 6006 |
| North East | 50.7 | 53.3 | 57.9 | 62.5 | 45.1 | 48.0 | 45.4 | 15.1 | 6584 |
| North West | 53.4 | 53.7 | 57.6 | 62.1 | 47.7 | 49.2 | 46.5 | 15.6 | 10932 |
| South East | 65.5 | 62.4 | 74.5 | 79.4 | 55.9 | 56.9 | 54.0 | 13.2 | 2445 |
| South South | 70.3 | 67.1 | 82.2 | 87.1 | 58.7 | 68.8 | 66.1 | 7.9 | 3668 |
| South West | 67.5 | 66.5 | 71.8 | 77.6 | 59.3 | 55.5 | 51.8 | 15.7 | 4741 |
| Residence | | | | | | | | | |
| Urban | 67.7 | 68.2 | 73.1 | 79.4 | 59.4 | 63.4 | 59.4 | 13.5 | 12373 |
| Rural | 52.0 | 52.4 | 60.0 | 64.0 | 45.8 | 47.4 | 45.0 | 14.0 | 22003 |
| Age group (Years) | | | | | | | | | |
| 15-24 | 54.6 | 53.8 | 61.7 | 66.3 | 47.3 | 50.4 | 47.8 | 15.5 | 12637 |
| 15-19 | 51.5 | 50.7 | 58.7 | 62.8 | 44.6 | 46.1 | 44.0 | 17.0 | 6822 |
| 20-24 | 58.3 | 57.4 | 65.2 | 70.4 | 50.6 | 55.5 | 52.2 | 13.6 | 5816 |
| 25-29 | 58.9 | 60.1 | 66.3 | 71.5 | 51.8 | 55.9 | 52.4 | 12.6 | 5915 |
| 30-39 | 59.7 | 61.3 | 67.1 | 72.3 | 52.8 | 55.3 | 52.1 | 12.8 | 9729 |
| 40-49 | 59.5 | 60.0 | 65.6 | 69.9 | 53.3 | 52.7 | 49.8 | 13.3 | 6095 |
| Marital status | | | | | | | | | |
| Ever married/in union | 57.5 | 58.6 | 64.3 | 69.1 | 51.1 | 52.8 | 49.8 | 13.2 | 25778 |
| Never married/in union | 58.4 | 56.8 | 66.1 | 71.2 | 49.6 | 54.6 | 51.7 | 15.6 | 8520 |
| Missing/ND | 32.1 | 28.3 | 34.0 | 34.7 | 27.8 | 17.1 | 17.1 | 15.1 | 78 |
| Education | | | | | | | | | |
| None | 45.5 | 46.6 | 51.7 | 55.3 | 40.7 | 39.2 | 37.2 | 15.2 | 7799 |
| Non-formal | 45.9 | 46.9 | 49.6 | 53.5 | 41.4 | 41.2 | 39.1 | 17.2 | 5646 |
| Primary | 59.6 | 59.9 | 67.2 | 71.7 | 53.0 | 52.1 | 49.4 | 13.6 | 4963 |
| Secondary | 64.9 | 64.6 | 73.9 | 79.3 | 56.4 | 60.6 | 57.4 | 12.8 | 12466 |
| Higher | 75.1 | 76.0 | 81.7 | 89.5 | 64.8 | 78.4 | 72.5 | 9.0 | 3502 |
| Wealth index quintile | | | | | | | | | |
| Poorest | 39.4 | 39.3 | 45.3 | 47.9 | 35.2 | 33.4 | 32.1 | 15.6 | 6120 |
| Second | 48.8 | 49.6 | 55.4 | 58.9 | 43.8 | 42.8 | 40.9 | 16.5 | 6478 |
| Middle | 58.9 | 60.2 | 67.7 | 72.5 | 52.0 | 53.7 | 50.9 | 13.9 | 6708 |
| Fourth | 66.8 | 66.6 | 73.6 | 79.7 | 57.9 | 62.6 | 58.6 | 11.5 | 7053 |
| Richest | 69.6 | 70.1 | 76.8 | 83.3 | 60.8 | 67.8 | 63.5 | 12.3 | 8017 |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 52.2 | 52.9 | 57.4 | 61.7 | 46.4 | 48.3 | 45.7 | 14.7 | 15920 |
| Igbo | 67.7 | 65.9 | 74.4 | 80.4 | 58.2 | 59.9 | 56.1 | 13.2 | 3558 |
| Yoruba | 67.4 | 66.0 | 71.4 | 77.7 | 58.6 | 55.9 | 52.0 | 15.6 | 4380 |
| Other ethnic group | 58.5 | 60.1 | 69.8 | 74.3 | 51.4 | 57.1 | 54.2 | 11.9 | 10518 |

¹ MICS indicator 9.2 - Knowledge of mother-to-child transmission of HIV

Table HA.2: Knowledge of mother-to-child HIV transmission (women) continued

Percentage of women age 15-49 years who correctly identify means of HIV transmission from mother to child, Nigeria, 2016-17

| | Percentage of women age 15-49 who have heard of AIDS and | | | | | | | | |
|--------------|--|-----------------|------------------|------------------------------------|------------------------|--|--|--|---------------------------|
| | Know HIV can be transmitted from mother to child: | | | | | Know HIV can be transmitted from mother to child: | | Do not know any of the specific means of HIV transmission from mother to child | Number of women age 15-49 |
| | During pregnancy | During delivery | By breastfeeding | By at least one of the three means | By all three means [1] | By at least one of the three means and that risk can be reduced by mother taking special drugs | By breastfeeding and that risk can be reduced by mother taking special drugs | | |
| Total | 57.7 | 58.1 | 64.7 | 69.5 | 50.7 | 53.2 | 50.2 | 13.8 | 34376 |
| State | | | | | | | | | |
| Abia | 76.1 | 71.3 | 81.3 | 86.5 | 65.8 | 49.8 | 47.3 | 10.0 | 336 |
| Adamawa | 53.3 | 55.2 | 62.1 | 65.9 | 48.0 | 47.3 | 46.0 | 17.8 | 830 |
| Akwa Ibom | 72.5 | 69.5 | 93.7 | 96.8 | 62.9 | 81.9 | 79.5 | 2.7 | 834 |
| Anambra | 68.7 | 66.4 | 74.3 | 78.8 | 60.2 | 55.8 | 53.1 | 18.2 | 608 |
| Bauchi | 47.7 | 51.2 | 60.5 | 64.9 | 41.8 | 50.2 | 46.7 | 16.7 | 1559 |
| Bayelsa | 72.8 | 74.6 | 82.2 | 85.9 | 64.9 | 67.5 | 64.7 | 8.9 | 260 |
| Benue | 69.3 | 70.4 | 78.4 | 81.2 | 65.1 | 63.8 | 62.3 | 17.5 | 956 |
| Borno | 76.0 | 79.0 | 79.2 | 84.7 | 70.0 | 70.0 | 67.9 | 5.9 | 1984 |
| Cross River | 66.6 | 64.1 | 88.7 | 91.8 | 52.0 | 69.7 | 67.4 | 6.5 | 693 |
| Delta | 61.1 | 58.7 | 69.4 | 73.9 | 52.9 | 55.9 | 52.5 | 14.7 | 584 |
| Ebonyi | 61.7 | 60.2 | 66.6 | 71.5 | 54.1 | 62.1 | 59.1 | 10.4 | 400 |
| Edo | 66.9 | 60.8 | 76.7 | 79.0 | 58.4 | 73.6 | 72.2 | 9.3 | 494 |
| Ekiti | 74.1 | 70.9 | 76.3 | 84.4 | 62.1 | 49.3 | 44.3 | 12.6 | 216 |
| Enugu | 58.7 | 60.1 | 66.3 | 72.0 | 52.8 | 56.9 | 54.1 | 13.7 | 495 |
| Gombe | 22.4 | 28.7 | 30.0 | 32.4 | 21.2 | 25.1 | 23.8 | 17.6 | 562 |
| Imo | 64.5 | 56.9 | 82.8 | 87.5 | 49.8 | 58.6 | 55.1 | 11.2 | 606 |
| Jigawa | 58.6 | 61.7 | 63.1 | 69.6 | 51.7 | 54.2 | 50.6 | 9.8 | 1313 |
| Kaduna | 79.0 | 76.9 | 82.7 | 87.0 | 72.3 | 71.3 | 68.1 | 9.1 | 2076 |
| Kano | 47.9 | 49.5 | 52.5 | 58.3 | 42.5 | 46.5 | 43.0 | 17.0 | 2389 |
| Katsina | 55.7 | 54.3 | 60.5 | 64.5 | 48.4 | 48.5 | 45.7 | 10.5 | 1950 |
| Kebbi | 21.2 | 21.8 | 22.1 | 28.2 | 15.7 | 19.2 | 16.3 | 24.5 | 956 |
| Kogi | 58.5 | 59.5 | 68.4 | 71.3 | 52.4 | 49.2 | 47.7 | 9.5 | 632 |
| Kwara | 58.1 | 58.7 | 57.8 | 61.4 | 55.0 | 43.0 | 41.1 | 18.6 | 487 |
| Lagos | 70.4 | 69.4 | 72.9 | 78.7 | 63.1 | 67.0 | 63.0 | 19.8 | 1725 |
| Nasarawa | 56.5 | 53.8 | 71.1 | 73.8 | 48.5 | 69.5 | 67.0 | 13.3 | 738 |
| Niger | 45.5 | 54.2 | 52.6 | 63.4 | 39.2 | 42.6 | 33.9 | 8.8 | 1536 |
| Ogun | 72.9 | 67.7 | 76.7 | 83.0 | 61.6 | 57.4 | 52.4 | 12.7 | 474 |
| Ondo | 65.7 | 68.6 | 76.6 | 79.6 | 59.5 | 35.1 | 34.0 | 8.3 | 646 |
| Osun | 73.4 | 75.4 | 80.5 | 86.0 | 66.6 | 62.1 | 59.0 | 9.2 | 638 |
| Oyo | 56.4 | 53.5 | 58.7 | 65.4 | 46.7 | 45.5 | 41.2 | 19.6 | 1042 |
| Plateau | 46.6 | 50.1 | 63.8 | 65.4 | 42.8 | 49.3 | 48.2 | 7.2 | 1317 |
| Rivers | 79.3 | 74.7 | 77.4 | 88.0 | 62.5 | 61.1 | 57.5 | 8.6 | 803 |
| Sokoto | 27.1 | 27.4 | 31.6 | 33.5 | 23.0 | 26.8 | 26.1 | 23.7 | 912 |
| Taraba | 51.0 | 49.9 | 64.1 | 69.1 | 40.6 | 41.1 | 37.9 | 11.3 | 558 |
| Yobe | 21.4 | 22.7 | 23.4 | 28.4 | 16.9 | 21.1 | 17.3 | 28.2 | 1091 |
| Zamfara | 56.0 | 57.3 | 61.0 | 62.8 | 53.2 | 52.7 | 51.8 | 24.7 | 1337 |
| FCT-Abuja | 63.4 | 65.6 | 76.6 | 83.7 | 52.7 | 69.4 | 66.5 | 12.2 | 340 |

[1] MICS indicator 9.2 - Knowledge of mother-to-child transmission of HIV

Table HA.2M: Knowledge of mother-to-child HIV transmission (men)

Percentage of men age 15-49 years who correctly identify means of HIV transmission from mother to child, Nigeria, 2016-17

| | Percentage of men age 15-49 who have heard of AIDS and: | | | | | | | | |
|------------------------------------|---|-----------------|------------------|------------------------------------|---------------------------------|--|--|--|-------------------------|
| | Know HIV can be transmitted from mother to child: | | | | | Know HIV can be transmitted from mother to child: | | Do not know any of the specific means of HIV transmission from mother to child | Number of men age 15-49 |
| | During pregnancy | During delivery | By breastfeeding | By at least one of the three means | By all three means ¹ | By at least one of the three means and that risk can be reduced by mother taking special drugs | By breastfeeding and that risk can be reduced by mother taking special drugs | | |
| Total | 54.7 | 57.9 | 67.0 | 74.5 | 45.0 | 55.5 | 50.8 | 18.3 | 15,183 |
| Geopolitical zone | | | | | | | | | |
| North Central | 55.0 | 61.2 | 68.6 | 76.8 | 46.7 | 61.3 | 56.6 | 17.7 | 2,730 |
| North East | 62.1 | 67.6 | 76.2 | 80.0 | 56.9 | 62.0 | 59.8 | 13.5 | 2,943 |
| North West | 46.1 | 46.0 | 55.5 | 63.5 | 35.3 | 46.3 | 41.5 | 25.0 | 4,674 |
| South East | 54.7 | 56.2 | 65.8 | 76.5 | 41.9 | 53.4 | 47.5 | 21.8 | 984 |
| South South | 67.7 | 69.3 | 82.3 | 90.8 | 53.2 | 62.7 | 55.9 | 6.1 | 1,664 |
| South West | 52.8 | 58.2 | 66.2 | 74.5 | 42.7 | 54.6 | 48.8 | 19.1 | 2,189 |
| Residence | | | | | | | | | |
| Urban | 59.3 | 63.9 | 71.1 | 79.0 | 50.0 | 62.6 | 57.0 | 17.2 | 5,627 |
| Rural | 52.0 | 54.4 | 64.6 | 71.8 | 42.0 | 51.3 | 47.2 | 19.0 | 9,556 |
| Age group | | | | | | | | | |
| 15-24 | 49.8 | 52.6 | 62.8 | 69.7 | 40.6 | 51.4 | 47.1 | 19.7 | 5,887 |
| 15-19 | 48.1 | 50.9 | 60.0 | 65.9 | 39.7 | 49.0 | 45.1 | 21.0 | 3,508 |
| 20-24 | 52.3 | 55.1 | 67.1 | 75.2 | 42.0 | 55.0 | 50.1 | 17.8 | 2,378 |
| 25-29 | 57.8 | 61.1 | 69.2 | 77.7 | 47.1 | 57.7 | 52.6 | 17.4 | 2,191 |
| 30-39 | 57.7 | 61.5 | 69.6 | 77.6 | 47.6 | 58.8 | 53.7 | 17.7 | 4,014 |
| 40-49 | 58.0 | 61.1 | 70.0 | 77.4 | 48.4 | 57.6 | 52.8 | 17.3 | 3,092 |
| Marital status | | | | | | | | | |
| Ever married/in union | 56.5 | 59.8 | 68.4 | 76.4 | 46.4 | 56.1 | 51.2 | 18.4 | 7,423 |
| Never married/in union | 53.0 | 56.2 | 65.7 | 72.8 | 43.6 | 55.0 | 50.5 | 18.3 | 7,749 |
| Missing/ND | 19.6 | 32.4 | 32.4 | 32.4 | 19.6 | 20.9 | 20.9 | 10.6 | 11 |
| Education | | | | | | | | | |
| None | 51.3 | 52.0 | 58.7 | 63.2 | 44.1 | 40.4 | 38.5 | 22.1 | 1,563 |
| Non-formal | 40.0 | 42.4 | 52.4 | 58.0 | 32.5 | 40.5 | 38.0 | 27.8 | 2,140 |
| Primary | 49.5 | 51.5 | 62.6 | 69.7 | 40.4 | 47.6 | 43.4 | 20.7 | 1,997 |
| Secondary | 57.5 | 61.2 | 71.2 | 79.0 | 47.1 | 59.8 | 54.8 | 16.1 | 6,861 |
| Higher | 65.3 | 70.5 | 76.2 | 86.7 | 53.5 | 71.6 | 63.8 | 12.4 | 2,622 |
| Wealth index quintile | | | | | | | | | |
| Poorest | 42.0 | 43.4 | 53.6 | 59.6 | 34.0 | 39.4 | 36.7 | 24.9 | 2,614 |
| Second | 49.6 | 53.9 | 62.9 | 68.9 | 42.4 | 49.6 | 46.1 | 20.5 | 2,901 |
| Middle | 56.1 | 57.8 | 69.2 | 76.5 | 45.5 | 56.4 | 51.7 | 17.8 | 2,927 |
| Fourth | 62.6 | 64.6 | 73.7 | 81.1 | 51.8 | 62.0 | 57.4 | 14.3 | 3,202 |
| Richest | 60.0 | 66.1 | 72.4 | 82.5 | 48.5 | 65.7 | 58.4 | 15.9 | 3,539 |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 50.4 | 53.1 | 60.8 | 67.4 | 42.1 | 50.3 | 46.4 | 22.9 | 6,958 |
| Igbo | 54.6 | 58.6 | 67.2 | 77.8 | 42.0 | 56.8 | 50.0 | 20.6 | 1,488 |
| Yoruba | 57.1 | 60.5 | 67.6 | 77.0 | 45.5 | 54.9 | 48.7 | 17.2 | 1,980 |
| Other ethnic group | 60.1 | 63.6 | 75.8 | 82.8 | 49.9 | 62.9 | 58.3 | 11.5 | 4,757 |

¹ MICS indicator 9.2 - Knowledge of mother-to-child transmission of HIV^(M)

Table HA.2M: Knowledge of mother-to-child HIV transmission (men) continued.

Percentage of men age 15-49 years who correctly identify means of HIV transmission from mother to child, Nigeria, 2016-17

| | Percentage of men age 15-49 who have heard of AIDS and: | | | | | | | | |
|--------------|---|-----------------|------------------|------------------------------------|---------------------------------|--|--|--|-------------------------|
| | Know HIV can be transmitted from mother to child: | | | | | Know HIV can be transmitted from mother to child: | | Do not know any of the specific means of HIV transmission from mother to child | Number of men age 15-49 |
| | During pregnancy | During delivery | By breastfeeding | By at least one of the three means | By all three means ¹ | By at least one of the three means and that risk can be reduced by mother taking special drugs | By breastfeeding and that risk can be reduced by mother taking special drugs | | |
| Total | 54.7 | 57.9 | 67.0 | 74.5 | 45.0 | 55.5 | 50.8 | 18.3 | 15,183 |
| State | | | | | | | | | |
| Abia | 77.6 | 68.6 | 77.8 | 91.7 | 52.7 | 42.2 | 38.2 | 5.2 | 142 |
| Adamawa | 68.5 | 71.2 | 77.5 | 85.7 | 57.9 | 72.2 | 68.2 | 9.4 | 389 |
| Akwa Ibom | 68.2 | 59.2 | 75.0 | 87.6 | 48.3 | 73.2 | 62.3 | 8.9 | 365 |
| Anambra | 43.7 | 45.2 | 41.8 | 47.7 | 39.6 | 24.1 | 22.7 | 52.1 | 241 |
| Bauchi | 75.7 | 81.5 | 87.4 | 88.5 | 73.8 | 58.6 | 57.6 | 10.7 | 681 |
| Bayelsa | 56.0 | 51.1 | 59.2 | 69.0 | 38.5 | 58.7 | 50.5 | 17.2 | 121 |
| Benue | 85.6 | 86.4 | 86.6 | 93.8 | 77.8 | 84.5 | 81.7 | 5.8 | 481 |
| Borno | 79.9 | 90.3 | 95.1 | 97.9 | 77.1 | 95.5 | 92.8 | 1.8 | 813 |
| Cross River | 66.3 | 57.3 | 92.0 | 95.2 | 50.5 | 60.8 | 58.2 | 4.0 | 275 |
| Delta | 80.9 | 72.2 | 82.2 | 92.5 | 62.1 | 76.7 | 68.7 | 6.9 | 258 |
| Ebonyi | 38.4 | 55.1 | 58.6 | 72.3 | 29.3 | 60.7 | 51.3 | 23.9 | 152 |
| Edo | 46.0 | 69.7 | 71.7 | 84.4 | 35.7 | 70.9 | 61.0 | 6.5 | 209 |
| Ekiti | 66.6 | 68.4 | 66.9 | 82.5 | 48.9 | 58.1 | 45.5 | 13.1 | 96 |
| Enugu | 65.0 | 61.8 | 79.9 | 89.7 | 52.4 | 70.9 | 65.4 | 10.1 | 190 |
| Gombe | 51.7 | 56.3 | 59.4 | 63.5 | 46.9 | 51.7 | 48.9 | 21.8 | 268 |
| Imo | 54.3 | 56.2 | 75.2 | 87.6 | 37.6 | 69.7 | 60.2 | 10.2 | 260 |
| Jigawa | 30.2 | 31.0 | 32.3 | 36.3 | 27.3 | 32.8 | 29.2 | 28.0 | 534 |
| Kaduna | 54.7 | 42.7 | 62.8 | 72.2 | 32.2 | 47.8 | 44.1 | 23.0 | 898 |
| Kano | 41.8 | 44.9 | 48.0 | 55.3 | 34.2 | 40.6 | 36.5 | 36.6 | 1,028 |
| Katsina | 46.0 | 53.7 | 65.1 | 69.8 | 41.7 | 61.6 | 59.2 | 27.2 | 816 |
| Kebbi | 46.7 | 48.2 | 51.2 | 70.1 | 26.2 | 44.2 | 30.5 | 14.0 | 426 |
| Kogi | 46.6 | 46.3 | 44.7 | 51.0 | 40.0 | 33.7 | 28.8 | 33.0 | 275 |
| Kwara | 80.8 | 81.6 | 71.6 | 85.8 | 66.4 | 60.3 | 52.0 | 7.6 | 232 |
| Lagos | 50.8 | 59.2 | 71.1 | 80.3 | 41.1 | 67.4 | 59.7 | 19.3 | 808 |
| Nasarawa | 51.9 | 52.9 | 76.7 | 80.7 | 43.1 | 66.3 | 63.1 | 8.6 | 352 |
| Niger | 42.0 | 48.0 | 42.9 | 58.6 | 31.2 | 42.0 | 34.0 | 34.7 | 645 |
| Ogun | 66.6 | 49.3 | 72.3 | 77.6 | 43.8 | 63.4 | 59.1 | 11.1 | 206 |
| Ondo | 64.0 | 81.5 | 82.5 | 86.0 | 62.6 | 55.0 | 53.6 | 10.2 | 293 |
| Osun | 57.4 | 57.1 | 63.6 | 73.0 | 47.0 | 37.2 | 32.1 | 24.1 | 296 |
| Oyo | 38.2 | 45.3 | 47.1 | 56.1 | 29.2 | 39.4 | 34.5 | 25.6 | 490 |
| Plateau | 40.1 | 60.1 | 88.7 | 91.6 | 34.5 | 80.4 | 77.7 | 7.5 | 606 |
| Rivers | 73.8 | 88.6 | 93.6 | 98.6 | 66.3 | 44.2 | 40.6 | 1.4 | 436 |
| Sokoto | 29.6 | 31.5 | 44.7 | 53.2 | 19.9 | 28.4 | 23.5 | 19.7 | 358 |
| Taraba | 47.6 | 53.1 | 74.3 | 78.7 | 38.4 | 53.1 | 50.4 | 8.2 | 256 |
| Yobe | 25.4 | 25.4 | 41.6 | 46.8 | 17.7 | 17.7 | 16.7 | 36.1 | 537 |
| Zamfara | 64.3 | 62.8 | 74.1 | 81.3 | 55.5 | 57.2 | 51.6 | 13.9 | 613 |
| FCT-Abuja | 56.3 | 57.2 | 59.7 | 63.4 | 53.0 | 31.6 | 29.3 | 35.1 | 139 |

¹ MICS indicator 9.2 - Knowledge of mother-to-child transmission of HIV^[M]

Accepting Attitudes toward People Living with HIV

Table HA.3: Accepting attitudes toward people living with HIV (women)

Percentage of women age 15-49 years who have heard of AIDS who express an accepting attitude towards people living with HIV, Nigeria, 2016-17

| | Percentage of women who: | | | | | Percent of women who: | | | |
|------------------------------------|---|--|--|--|--|---|---|--|--|
| | Are willing to care for a family member with AIDS in own home | Would buy fresh vegetables from a shopkeeper or vendor who is HIV-positive | Believe that a female teacher who is HIV-positive and is not sick should be allowed to continue teaching | Would not want to keep secret that a family member is HIV-positive | Agree with at least one accepting attitude | Express accepting attitudes on all four indicators ¹ | Think children living with HIV should be able to attend school with children who are HIV-negative | Report discriminatory attitudes towards people living with HIV [a] | Number of women age 15-49 who have heard of AIDS |
| Total | 71.2 | 45.7 | 59.6 | 34.2 | 91.3 | 8.3 | 61.6 | 59.5 | 28,656 |
| Geopolitical Zone | | | | | | | | | |
| North Central | 78.9 | 49.3 | 62.6 | 36.0 | 91.5 | 11.1 | 66.1 | 55.3 | 4,877 |
| North East | 78.1 | 53.9 | 67.7 | 27.0 | 95.5 | 5.9 | 74.0 | 52.2 | 5,112 |
| North West | 71.0 | 49.4 | 62.2 | 36.5 | 90.9 | 11.3 | 62.5 | 55.3 | 8,493 |
| South East | 70.3 | 40.1 | 49.3 | 30.4 | 90.2 | 3.9 | 52.8 | 67.3 | 2,265 |
| South South | 75.0 | 45.7 | 61.6 | 35.3 | 94.4 | 8.8 | 63.7 | 59.7 | 3,487 |
| South West | 52.8 | 28.1 | 45.6 | 37.2 | 85.1 | 4.2 | 43.5 | 76.7 | 4,422 |
| Residence | | | | | | | | | |
| Urban | 72.0 | 47.3 | 62.1 | 30.6 | 91.7 | 8.1 | 63.8 | 58.1 | 11,495 |
| Rural | 70.7 | 44.7 | 57.9 | 36.6 | 91.0 | 8.5 | 60.1 | 60.5 | 17,161 |
| Age group (Years) | | | | | | | | | |
| 15-24 | 72.3 | 45.0 | 60.8 | 33.0 | 91.9 | 8.0 | 63.5 | 60.3 | 10,331 |
| 15-19 | 70.9 | 43.0 | 59.9 | 33.4 | 91.3 | 8.1 | 62.0 | 61.7 | 5,445 |
| 20-24 | 73.8 | 47.3 | 61.7 | 32.5 | 92.5 | 7.9 | 65.2 | 58.7 | 4,886 |
| 25-29 | 72.1 | 47.4 | 59.9 | 34.6 | 91.3 | 8.9 | 62.6 | 58.7 | 4,975 |
| 30-39 | 69.7 | 45.7 | 59.1 | 34.5 | 90.7 | 8.0 | 59.9 | 59.2 | 8,279 |
| 40-49 | 70.7 | 45.5 | 57.7 | 35.9 | 91.0 | 9.0 | 59.5 | 59.4 | 5,071 |
| Marital status | | | | | | | | | |
| Ever married/in union | 70.2 | 45.4 | 58.4 | 35.0 | 90.8 | 8.2 | 60.3 | 60.0 | 21,219 |
| Never married/in union | 74.3 | 46.7 | 63.0 | 32.0 | 92.8 | 8.7 | 65.2 | 58.3 | 7,399 |
| Missing/ND | 52.8 | 37.2 | 36.5 | 23.1 | 69.5 | 4.9 | 52.0 | 66.5 | 39 |
| Education | | | | | | | | | |
| None | 69.0 | 43.8 | 54.8 | 35.1 | 88.8 | 7.6 | 58.7 | 61.3 | 5,502 |
| Non-formal | 65.7 | 41.1 | 56.9 | 36.3 | 89.2 | 7.5 | 55.8 | 63.3 | 3,995 |
| Primary | 71.1 | 42.0 | 55.8 | 36.0 | 90.7 | 8.5 | 58.5 | 63.4 | 4,235 |
| Secondary | 72.0 | 45.4 | 59.9 | 34.0 | 91.9 | 8.2 | 62.0 | 60.2 | 11,478 |
| Higher | 78.8 | 59.9 | 74.2 | 28.6 | 96.0 | 10.8 | 75.2 | 45.6 | 3,447 |
| Wealth index quintile | | | | | | | | | |
| Poorest | 65.7 | 41.5 | 52.7 | 37.9 | 87.4 | 9.1 | 53.6 | 63.6 | 3,887 |
| Second | 70.3 | 43.7 | 55.2 | 37.5 | 90.6 | 8.5 | 57.9 | 61.5 | 4,882 |
| Middle | 72.5 | 46.0 | 59.8 | 35.6 | 92.2 | 8.2 | 63.6 | 59.4 | 5,796 |
| Fourth | 72.6 | 46.6 | 61.9 | 31.5 | 92.4 | 7.3 | 64.2 | 58.4 | 6,431 |
| Richest | 72.5 | 48.2 | 63.8 | 31.4 | 92.0 | 8.8 | 64.3 | 57.3 | 7,660 |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 71.3 | 48.1 | 62.1 | 34.5 | 91.2 | 9.6 | 63.5 | 56.8 | 12,168 |
| Igbo | 68.9 | 40.5 | 51.9 | 31.7 | 90.0 | 5.4 | 55.0 | 65.9 | 3,327 |
| Yoruba | 56.2 | 31.5 | 47.2 | 35.2 | 86.1 | 4.4 | 46.5 | 73.6 | 4,088 |
| Other ethnic group | 78.8 | 50.8 | 64.6 | 34.1 | 94.1 | 9.4 | 68.3 | 54.6 | 9,073 |

¹ MICS indicator 9.3 - Accepting attitudes towards people living with HIV

Table HA.3: Accepting attitudes toward people living with HIV (women) continued

Percentage of women age 15-49 years who have heard of AIDS who express an accepting attitude towards people living with HIV, Nigeria, 2016-17

| | Percent of women who: | | | | | Percent of women who: | | | Number of women who have heard of AIDS |
|--------------|---|--|--|--|--|--|---|--|--|
| | Are willing to care for a family member with AIDS in own home | Would buy fresh vegetables from a shopkeeper or vendor who is HIV-positive | Believe that a female teacher who is HIV-positive and is not sick should be allowed to continue teaching | Would not want to keep secret that a family member is HIV-positive | Agree with at least one accepting attitude | Express accepting attitudes on all four indicators [1] | Think children living with HIV should be able to attend school with children who are HIV-negative | Report discriminatory attitudes towards people living with HIV [a] | |
| Total | 71.2 | 45.7 | 59.6 | 34.2 | 91.3 | 8.3 | 61.6 | 59.5 | 28656 |
| State | | | | | | | | | |
| Abia | 78.7 | 29.9 | 49.7 | 33.9 | 95.5 | 3.9 | 56.7 | 77.9 | 324 |
| Adamawa | 80.8 | 66.8 | 66.5 | 14.3 | 95.8 | 3.2 | 78.8 | 43.9 | 695 |
| Akwa Ibom | 81.3 | 53.4 | 65.7 | 40.6 | 97.1 | 12.1 | 68.5 | 52.0 | 830 |
| Anambra | 73.1 | 48.5 | 57.2 | 17.0 | 90.9 | 1.7 | 55.8 | 60.0 | 590 |
| Bauchi | 78.6 | 50.4 | 65.7 | 35.4 | 94.4 | 11.7 | 75.8 | 58.0 | 1271 |
| Bayelsa | 65.6 | 31.6 | 59.5 | 48.4 | 94.4 | 8.6 | 62.0 | 71.4 | 247 |
| Benue | 90.1 | 70.1 | 77.9 | 30.2 | 97.4 | 14.4 | 82.4 | 35.8 | 944 |
| Borno | 73.1 | 50.2 | 68.4 | 26.1 | 96.4 | 1.7 | 69.2 | 52.3 | 1798 |
| Cross River | 85.2 | 59.0 | 72.4 | 28.8 | 98.1 | 9.7 | 68.9 | 47.3 | 681 |
| Delta | 66.0 | 33.5 | 54.5 | 45.9 | 93.1 | 6.6 | 60.8 | 74.0 | 517 |
| Ebonyi | 66.7 | 48.6 | 55.2 | 25.7 | 89.5 | 2.2 | 56.4 | 58.6 | 328 |
| Edo | 77.7 | 45.0 | 63.8 | 11.0 | 89.7 | 2.1 | 70.8 | 58.6 | 436 |
| Ekiti | 42.7 | 34.4 | 49.0 | 48.6 | 89.3 | 2.4 | 39.4 | 73.0 | 209 |
| Enugu | 66.8 | 41.4 | 45.6 | 25.6 | 85.5 | 3.0 | 53.0 | 67.2 | 425 |
| Gombe | 79.6 | 57.0 | 67.2 | 22.4 | 93.2 | 4.6 | 74.5 | 48.6 | 281 |
| Imo | 67.4 | 31.9 | 40.9 | 47.5 | 90.2 | 7.7 | 45.6 | 73.6 | 599 |
| Jigawa | 62.6 | 54.3 | 60.5 | 28.8 | 91.6 | 3.0 | 40.1 | 52.8 | 1042 |
| Kaduna | 85.1 | 69.4 | 84.2 | 39.5 | 97.7 | 26.9 | 88.7 | 33.2 | 1995 |
| Kano | 77.9 | 46.1 | 64.9 | 34.3 | 96.0 | 7.2 | 63.2 | 60.5 | 1799 |
| Katsina | 70.7 | 50.4 | 56.9 | 46.2 | 91.5 | 12.1 | 60.4 | 54.5 | 1463 |
| Kebbi | 37.8 | 23.3 | 34.6 | 20.2 | 62.1 | 1.9 | 39.2 | 82.6 | 504 |
| Kogi | 79.4 | 28.6 | 50.1 | 55.2 | 97.8 | 7.7 | 58.1 | 76.7 | 510 |
| Kwara | 73.7 | 44.9 | 50.5 | 11.4 | 83.2 | 1.9 | 57.3 | 58.0 | 390 |
| Lagos | 53.9 | 29.1 | 51.0 | 37.3 | 86.6 | 6.1 | 51.5 | 74.8 | 1699 |
| Nasarawa | 91.3 | 57.9 | 72.5 | 38.2 | 98.5 | 11.4 | 78.4 | 44.5 | 643 |
| Niger | 59.2 | 34.5 | 45.5 | 31.0 | 80.1 | 2.0 | 42.3 | 70.9 | 1109 |
| Ogun | 55.8 | 22.8 | 40.3 | 36.8 | 84.2 | 3.9 | 34.2 | 82.5 | 453 |
| Ondo | 71.9 | 29.1 | 42.2 | 34.1 | 91.5 | 3.2 | 42.0 | 76.1 | 568 |
| Osun | 45.6 | 24.7 | 38.2 | 29.6 | 76.9 | 1.0 | 36.8 | 79.2 | 608 |
| Oyo | 44.2 | 29.0 | 44.3 | 41.7 | 83.0 | 3.9 | 39.4 | 77.0 | 885 |
| Plateau | 86.8 | 52.4 | 70.6 | 47.1 | 94.3 | 23.9 | 77.2 | 51.1 | 956 |
| Rivers | 67.0 | 38.8 | 51.9 | 37.9 | 91.9 | 9.7 | 52.5 | 66.2 | 776 |
| Sokoto | 38.0 | 20.7 | 41.0 | 44.8 | 75.6 | 4.8 | 33.1 | 82.4 | 522 |
| Taraba | 80.6 | 54.9 | 63.2 | 23.1 | 96.5 | 2.3 | 70.1 | 51.9 | 449 |
| Yobe | 86.2 | 55.3 | 74.5 | 31.5 | 95.1 | 12.2 | 81.4 | 50.8 | 617 |
| Zamfara | 73.1 | 38.5 | 50.0 | 32.4 | 89.1 | 4.6 | 62.4 | 64.8 | 1170 |
| FCT-Abuja | 70.9 | 51.0 | 68.0 | 32.6 | 91.2 | 10.6 | 65.5 | 55.2 | 326 |

[1] MICS indicator 9.3 - Accepting attitudes towards people living with HIV

[a] This is a composite of those who respond 'No' or 'Don't know / Not sure / Depends to any of the two situations in columns 2 and 7 (buying vegetables and attending school)

Table HA.3M: Accepting attitudes toward people living with HIV (men)

Percentage of men age 15-49 years who have heard of AIDS who express an accepting attitude towards people living with HIV, Nigeria, 2016-17

| | Percentage of men who: | | | | | | Percent of men who: | | |
|------------------------------------|---|--|--|--|--|---|---|--|--|
| | Are willing to care for a family member with AIDS in own home | Would buy fresh vegetables from a shopkeeper or vendor who is HIV-positive | Believe that a female teacher who is HIV-positive and is not sick should be allowed to continue teaching | Would not want to keep secret that a family member is HIV-positive | Agree with at least one accepting attitude | Express accepting attitudes on all four indicators ¹ | Think children living with HIV should be able to attend school with children who are HIV-negative | Report discriminatory attitudes towards people living with HIV [a] | Number of men age 15-49 who have heard of AIDS |
| Total | 74.7 | 55.3 | 64.8 | 42.9 | 95.3 | 14.3 | 68.4 | 51.1 | 14,097 |
| Geopolitical zone | | | | | | | | | |
| North Central | 76.9 | 53.8 | 69.0 | 38.3 | 94.5 | 11.0 | 75.2 | 50.6 | 2,580 |
| North East | 91.3 | 71.1 | 76.8 | 43.6 | 97.8 | 24.9 | 82.4 | 33.2 | 2,752 |
| North West | 71.3 | 52.9 | 61.6 | 37.9 | 93.8 | 12.7 | 64.0 | 54.5 | 4,137 |
| South East | 84.9 | 55.2 | 58.4 | 35.8 | 95.7 | 11.3 | 64.2 | 56.3 | 967 |
| South South | 84.5 | 58.6 | 63.9 | 47.6 | 96.9 | 18.4 | 64.1 | 50.1 | 1,612 |
| South West | 44.3 | 37.9 | 53.5 | 57.5 | 94.5 | 5.6 | 55.5 | 67.4 | 2,049 |
| Residence | | | | | | | | | |
| Urban | 72.8 | 60.1 | 69.8 | 40.0 | 95.9 | 12.4 | 72.4 | 45.9 | 5,412 |
| Rural | 76.0 | 52.2 | 61.7 | 44.7 | 94.9 | 15.4 | 66.0 | 54.3 | 8,685 |
| Age (years) | | | | | | | | | |
| 15-24 | 73.2 | 50.1 | 61.9 | 41.7 | 94.5 | 12.2 | 65.9 | 55.6 | 5,260 |
| 15-19 | 70.7 | 48.0 | 59.4 | 40.3 | 93.4 | 10.3 | 64.5 | 57.9 | 3,049 |
| 20-24 | 76.5 | 53.0 | 65.3 | 43.7 | 96.0 | 14.9 | 67.8 | 52.5 | 2,211 |
| 25-29 | 74.5 | 58.2 | 67.2 | 43.0 | 95.9 | 14.4 | 68.3 | 48.0 | 2,084 |
| 30-39 | 76.5 | 57.5 | 66.9 | 42.4 | 95.3 | 15.3 | 70.9 | 49.3 | 3,827 |
| 40-49 | 75.4 | 59.5 | 65.4 | 45.6 | 96.2 | 16.6 | 69.9 | 47.5 | 2,926 |
| Marital status | | | | | | | | | |
| Ever married/in union | 74.9 | 56.1 | 64.0 | 45.4 | 95.6 | 16.0 | 67.9 | 50.8 | 7,039 |
| Never married/in union | 74.6 | 54.4 | 65.5 | 40.4 | 95.0 | 12.6 | 68.9 | 51.4 | 7,053 |
| Missing/Don't know | 53.6 | 38.3 | 75.4 | 61.7 | 100.0 | 0.0 | 75.4 | 61.7 | |
| Education | | | | | | | | | |
| None | 72.4 | 50.4 | 56.9 | 52.9 | 93.3 | 20.7 | 63.3 | 55.4 | 1,334 |
| Non-formal | 69.7 | 49.1 | 57.9 | 38.0 | 92.8 | 10.9 | 59.9 | 57.4 | 1,836 |
| Primary | 73.2 | 49.1 | 57.6 | 45.3 | 94.1 | 14.4 | 63.8 | 57.8 | 1,806 |
| Secondary | 74.3 | 53.3 | 64.0 | 43.0 | 95.8 | 12.5 | 67.2 | 53.2 | 6,522 |
| Higher | 81.6 | 71.3 | 80.6 | 39.3 | 97.6 | 17.9 | 83.4 | 34.6 | 2,599 |
| Wealth index quintile | | | | | | | | | |
| Poorest | 71.3 | 45.1 | 54.3 | 46.4 | 92.7 | 14.6 | 60.3 | 61.5 | 2,209 |
| Second | 75.6 | 53.1 | 62.3 | 46.1 | 95.0 | 16.8 | 66.9 | 52.8 | 2,591 |
| Middle | 78.6 | 56.6 | 65.6 | 40.4 | 95.4 | 14.9 | 69.6 | 49.4 | 2,761 |
| Fourth | 76.2 | 57.8 | 68.3 | 38.9 | 96.1 | 12.3 | 69.8 | 48.3 | 3,055 |
| Richest | 71.9 | 60.0 | 69.5 | 43.8 | 96.5 | 13.5 | 72.6 | 47.1 | 3,481 |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 76.0 | 56.6 | 65.3 | 40.9 | 94.4 | 16.8 | 69.3 | 49.3 | 6,281 |
| Igbo | 77.3 | 57.2 | 62.8 | 41.3 | 96.3 | 11.8 | 65.6 | 52.4 | 1,464 |
| Yoruba | 48.7 | 38.6 | 54.0 | 53.2 | 93.8 | 6.3 | 56.1 | 66.3 | 1,865 |
| Other ethnic group | 82.9 | 59.6 | 69.1 | 41.9 | 96.8 | 14.9 | 73.2 | 46.9 | 4,487 |

¹ MICS indicator 9.3 - Accepting attitudes towards people living with HIV^[M]

Table HA.3M: Accepting attitudes toward people living with HIV (men) continued.

Percentage of men age 15-49 years who have heard of AIDS who express an accepting attitude towards people living with HIV, Nigeria, 2016-17

| | Percentage of men who: | | | | | | Percent of men who: | | |
|--------------|---|--|--|--|--|---|---|--|--|
| | Are willing to care for a family member with AIDS in own home | Would buy fresh vegetables from a shopkeeper or vendor who is HIV-positive | Believe that a female teacher who is HIV-positive and is not sick should be allowed to continue teaching | Would not want to keep secret that a family member is HIV-positive | Agree with at least one accepting attitude | Express accepting attitudes on all four indicators ¹ | Think children living with HIV should be able to attend school with children who are HIV-negative | Report discriminatory attitudes towards people living with HIV [a] | Number of men age 15-49 who have heard of AIDS |
| Total | 74.7 | 55.3 | 64.8 | 42.9 | 95.3 | 14.3 | 68.4 | 51.1 | 14,097 |
| State | | | | | | | | | |
| Abia | 67.3 | 27.3 | 31.6 | 37.0 | 83.9 | 4.0 | 37.8 | 79.8 | 137 |
| Adamawa | 90.9 | 77.6 | 81.6 | 29.2 | 99.1 | 17.2 | 89.2 | 28.7 | 370 |
| Akwa Ibom | 88.2 | 54.6 | 58.3 | 43.5 | 98.9 | 16.8 | 60.9 | 53.9 | 352 |
| Anambra | 98.3 | 71.8 | 60.2 | 14.8 | 100.0 | 2.8 | 70.3 | 46.9 | 240 |
| Bauchi | 94.3 | 66.5 | 72.1 | 93.9 | 98.6 | 62.2 | 78.9 | 35.0 | 676 |
| Bayelsa | 54.1 | 37.8 | 50.9 | 58.7 | 91.8 | 14.7 | 55.1 | 67.9 | 104 |
| Benue | 86.0 | 85.1 | 89.0 | 14.6 | 99.4 | 3.1 | 85.9 | 16.7 | 479 |
| Borno | 98.8 | 90.7 | 94.3 | 1.2 | 100.0 | 0.0 | 97.6 | 11.0 | 810 |
| Cross River | 95.8 | 70.5 | 63.5 | 71.3 | 99.5 | 33.1 | 61.4 | 46.3 | 273 |
| Delta | 65.3 | 38.0 | 39.9 | 57.0 | 89.8 | 13.5 | 46.3 | 71.7 | 257 |
| Ebonyi | 78.0 | 41.7 | 64.2 | 43.5 | 93.7 | 11.0 | 72.5 | 64.3 | 146 |
| Edo | 73.4 | 73.9 | 78.0 | 22.2 | 96.5 | 2.9 | 83.8 | 35.1 | 190 |
| Ekiti | 68.6 | 50.4 | 53.9 | 18.8 | 91.3 | 1.8 | 36.9 | 59.5 | 92 |
| Enugu | 95.7 | 63.5 | 65.8 | 47.5 | 99.8 | 29.0 | 70.6 | 45.1 | 189 |
| Gombe | 90.3 | 62.5 | 69.0 | 43.2 | 98.3 | 24.3 | 73.6 | 43.7 | 229 |
| Imo | 77.9 | 56.3 | 62.2 | 42.1 | 95.9 | 10.1 | 63.2 | 56.0 | 254 |
| Jigawa | 72.2 | 46.9 | 56.6 | 28.1 | 88.9 | 4.3 | 66.3 | 59.1 | 344 |
| Kaduna | 54.4 | 42.7 | 55.2 | 49.8 | 96.0 | 8.6 | 51.2 | 66.2 | 855 |
| Kano | 75.7 | 67.3 | 74.5 | 43.1 | 96.8 | 21.3 | 74.4 | 37.0 | 945 |
| Katsina | 92.6 | 53.6 | 63.6 | 25.2 | 98.3 | 14.7 | 68.6 | 50.7 | 791 |
| Kebbi | 57.3 | 54.8 | 58.7 | 36.6 | 93.7 | 6.8 | 63.3 | 65.7 | 359 |
| Kogi | 69.7 | 27.6 | 40.3 | 51.4 | 88.9 | 10.2 | 45.9 | 74.8 | 231 |
| Kwara | 72.7 | 50.1 | 61.6 | 40.3 | 93.4 | 9.4 | 68.3 | 54.5 | 217 |
| Lagos | 44.5 | 52.3 | 60.4 | 69.6 | 96.9 | 10.9 | 66.8 | 53.2 | 805 |
| Nasarawa | 96.6 | 58.2 | 85.7 | 36.7 | 99.5 | 18.6 | 87.7 | 45.6 | 314 |
| Niger | 56.6 | 35.8 | 43.6 | 43.0 | 86.2 | 5.0 | 51.8 | 71.3 | 602 |
| Ogun | 40.5 | 20.7 | 38.6 | 63.7 | 91.5 | 7.2 | 47.2 | 85.1 | 182 |
| Ondo | 54.5 | 20.0 | 47.0 | 36.6 | 92.4 | 0.0 | 31.9 | 84.3 | 282 |
| Osun | 33.7 | 27.2 | 48.1 | 61.8 | 93.4 | 3.0 | 46.8 | 77.7 | 288 |
| Oyo | 40.5 | 34.5 | 55.0 | 50.6 | 93.9 | 0.7 | 63.6 | 70.0 | 401 |
| Plateau | 80.5 | 55.2 | 80.8 | 52.7 | 97.7 | 21.0 | 94.0 | 48.6 | 601 |
| Rivers | 97.8 | 64.9 | 79.5 | 39.0 | 99.4 | 20.8 | 72.4 | 39.0 | 436 |
| Sokoto | 82.3 | 39.9 | 54.8 | 62.8 | 97.3 | 14.6 | 57.5 | 66.7 | 261 |
| Taraba | 83.2 | 51.2 | 48.4 | 36.2 | 94.8 | 8.7 | 70.1 | 62.5 | 222 |
| Yobe | 78.2 | 51.3 | 66.0 | 60.3 | 92.8 | 28.6 | 65.4 | 54.4 | 445 |
| Zamfara | 63.0 | 51.8 | 54.8 | 24.9 | 81.3 | 9.7 | 61.5 | 56.0 | 584 |
| FCT-Abuja | 91.8 | 57.3 | 81.1 | 15.9 | 98.6 | 7.2 | 89.7 | 51.2 | 137 |

¹ MICS indicator 9.3 - Accepting attitudes towards people living with HIV^[M]

Knowledge of a Place for HIV Testing, Counselling and Testing during Antenatal Care

Table HA.4: Knowledge of a place for HIV testing (women)

Percentage of women age 15-49 years who know where to get an HIV test, percentage who have ever been tested, percentage who have ever been tested and know the result of the most recent test, percentage who have been tested in the last 12 months, and percentage who have been tested in the last 12 months and know the result, Nigeria, 2016-17

| | Percentage of women who: | | | | | Number of women age 15-49 |
|--|---|-----------------------|---|--|--|---------------------------|
| | Know a place to get tested ¹ | Have ever been tested | Have ever been tested and know the result of the most recent test | Have been tested in the last 12 months | Have been tested in the last 12 months and know the result ^{2, 3} | |
| Total | 60.4 | 40.8 | 34.8 | 17.5 | 15.1 | 34,376 |
| Geopolitical zone | | | | | | |
| North Central | 62.9 | 46.0 | 40.4 | 21.1 | 18.9 | 6,006 |
| North East | 53.8 | 34.0 | 30.9 | 12.2 | 11.1 | 6,584 |
| North West | 48.3 | 25.6 | 18.7 | 10.6 | 7.8 | 10,932 |
| South East | 76.0 | 58.6 | 48.7 | 22.1 | 19.3 | 2,445 |
| South South | 78.7 | 59.6 | 53.0 | 28.9 | 26.2 | 3,668 |
| South West | 72.2 | 55.0 | 48.6 | 24.7 | 22.0 | 4,741 |
| Residence | | | | | | |
| Urban | 76.3 | 53.8 | 47.2 | 23.4 | 21.0 | 12,373 |
| Rural | 51.5 | 33.5 | 27.7 | 14.1 | 11.8 | 22,003 |
| Age (years) | | | | | | |
| 15-24 | 54.4 | 27.9 | 23.1 | 14.1 | 12.1 | 12,637 |
| 15-19 | 48.5 | 17.5 | 14.4 | 9.2 | 7.9 | 6,822 |
| 20-24 | 61.2 | 40.1 | 33.2 | 20.0 | 17.0 | 5,816 |
| 25-29 | 65.4 | 50.3 | 42.8 | 24.0 | 20.6 | 5,915 |
| 30-39 | 65.1 | 51.0 | 43.9 | 20.2 | 17.4 | 9,729 |
| 40-49 | 60.6 | 41.9 | 36.7 | 13.7 | 12.5 | 6,095 |
| Age and sexual activity in the last 12 months | | | | | | |
| Sexually active | 61.9 | 45.9 | 38.9 | 19.7 | 16.9 | 26,331 |
| 15-24 ³ | 56.7 | 38.6 | 31.3 | 19.9 | 16.7 | 6,646 |
| 15-19 | 50.2 | 29.2 | 23.0 | 16.2 | 13.2 | 2,132 |
| 20-24 | 59.7 | 43.0 | 35.3 | 21.7 | 18.4 | 4,514 |
| 25-49 | 63.7 | 48.4 | 41.4 | 19.6 | 17.0 | 19,685 |
| Sexually inactive | 55.4 | 24.1 | 21.4 | 10.2 | 9.3 | 8,045 |
| Marital status | | | | | | |
| Ever married/in union | 60.6 | 45.3 | 38.2 | 18.7 | 16.0 | 25,778 |
| Never married/in union | 60.2 | 27.4 | 24.5 | 13.8 | 12.7 | 8,520 |
| Education | | | | | | |
| None | 38.8 | 23.5 | 18.0 | 9.5 | 7.0 | 7,799 |
| Non-formal | 40.5 | 19.2 | 14.6 | 6.8 | 5.2 | 5,646 |
| Primary | 63.1 | 43.9 | 36.4 | 16.6 | 14.4 | 4,963 |
| Secondary | 72.6 | 49.2 | 42.9 | 22.0 | 19.5 | 12,466 |
| Higher | 93.5 | 79.7 | 73.4 | 37.8 | 34.9 | 3,502 |
| Wealth index quintile | | | | | | |
| Poorest | 29.9 | 13.6 | 10.2 | 5.6 | 4.1 | 6,120 |
| Second | 45.7 | 26.2 | 21.0 | 11.0 | 9.0 | 6,478 |
| Middle | 61.4 | 39.4 | 31.8 | 16.5 | 13.7 | 6,708 |
| Fourth | 73.2 | 52.5 | 45.5 | 22.2 | 19.4 | 7,053 |
| Richest | 83.5 | 64.1 | 57.6 | 28.4 | 26.0 | 8,017 |
| Ethnicity of household head | | | | | | |
| Hausa | 47.1 | 25.9 | 20.1 | 10.1 | 7.8 | 15,920 |
| Igbo | 78.4 | 61.7 | 53.1 | 26.1 | 23.5 | 3,558 |
| Yoruba | 71.7 | 52.4 | 45.4 | 22.5 | 19.3 | 4,380 |
| Other ethnic group | 69.7 | 51.5 | 46.3 | 23.7 | 21.7 | 10,518 |

¹ MICS indicator 9.4 - Women who know where to be tested for HIV

² MICS indicator 9.5 - Women who have been tested for HIV and know the results

³ MICS indicator 9.6 - Sexually active young women who have been tested for HIV and know the results

Table HA.4: Knowledge of a place for HIV testing (women) continued.

Percentage of women age 15-49 years who know where to get an HIV test, percentage who have ever been tested, percentage who have ever been tested and know the result of the most recent test, percentage who have been tested in the last 12 months, and percentage who have been tested in the last 12 months and know the result, Nigeria, 2016-17

| | Percentage of women who: | | | | | Number of women age 15-49 |
|--------------|---|-----------------------|---|--|--|---------------------------|
| | Know a place to get tested ¹ | Have ever been tested | Have ever been tested and know the result of the most recent test | Have been tested in the last 12 months | Have been tested in the last 12 months and know the result ^{2, 3} | |
| Total | 60.4 | 40.8 | 34.8 | 17.5 | 15.1 | 34,376 |
| State | | | | | | |
| Abia | 76.5 | 55.4 | 44.3 | 21.2 | 17.2 | 336 |
| Adamawa | 61.0 | 48.8 | 44.3 | 24.9 | 22.9 | 830 |
| Akwa Ibom | 80.5 | 64.8 | 57.2 | 42.6 | 39.3 | 834 |
| Anambra | 85.4 | 65.5 | 45.7 | 21.4 | 17.9 | 608 |
| Bauchi | 38.8 | 23.9 | 20.5 | 7.9 | 7.0 | 1,559 |
| Bayelsa | 78.6 | 50.5 | 43.0 | 22.0 | 18.2 | 260 |
| Benue | 84.7 | 69.2 | 63.1 | 45.4 | 42.2 | 956 |
| Borno | 70.9 | 42.8 | 39.6 | 10.9 | 9.7 | 1,984 |
| Cross River | 86.9 | 67.6 | 64.1 | 34.2 | 32.2 | 693 |
| Delta | 66.2 | 45.1 | 35.9 | 20.2 | 16.3 | 584 |
| Ebonyi | 54.9 | 37.5 | 33.7 | 14.6 | 13.7 | 400 |
| Edo | 76.7 | 56.9 | 51.5 | 17.7 | 16.1 | 494 |
| Ekiti | 77.6 | 55.3 | 39.1 | 19.1 | 14.5 | 216 |
| Enugu | 72.1 | 58.7 | 55.5 | 20.7 | 19.8 | 495 |
| Gombe | 38.5 | 30.9 | 27.5 | 14.0 | 12.4 | 562 |
| Imo | 83.2 | 67.4 | 58.6 | 29.3 | 25.2 | 606 |
| Jigawa | 39.7 | 10.5 | 3.3 | 6.4 | 1.1 | 1,313 |
| Kaduna | 90.0 | 63.0 | 52.1 | 25.0 | 20.9 | 2,076 |
| Kano | 44.7 | 25.6 | 15.4 | 10.7 | 6.9 | 2,389 |
| Katsina | 42.2 | 20.5 | 13.7 | 8.3 | 6.2 | 1,950 |
| Kebbi | 17.6 | 8.7 | 7.2 | 4.4 | 4.1 | 956 |
| Kogi | 44.2 | 36.7 | 33.9 | 13.0 | 11.7 | 632 |
| Kwara | 59.6 | 40.0 | 36.5 | 10.9 | 10.1 | 487 |
| Lagos | 86.8 | 73.4 | 70.0 | 36.0 | 34.9 | 1,725 |
| Nasarawa | 72.2 | 56.6 | 36.5 | 25.5 | 18.1 | 738 |
| Niger | 49.3 | 25.3 | 23.5 | 6.7 | 6.1 | 1,536 |
| Ogun | 67.1 | 49.2 | 38.5 | 19.0 | 15.3 | 474 |
| Ondo | 62.8 | 41.9 | 32.1 | 19.5 | 13.4 | 646 |
| Osun | 60.0 | 37.2 | 33.6 | 16.3 | 14.7 | 638 |
| Oyo | 62.6 | 46.2 | 39.3 | 18.1 | 14.8 | 1,042 |
| Plateau | 62.1 | 47.6 | 44.8 | 21.0 | 20.2 | 1,317 |
| Rivers | 79.9 | 62.5 | 55.8 | 25.8 | 23.6 | 803 |
| Sokoto | 14.7 | 8.0 | 6.9 | 3.0 | 2.4 | 912 |
| Taraba | 57.5 | 37.2 | 33.9 | 14.5 | 13.1 | 558 |
| Yobe | 44.8 | 21.0 | 20.1 | 9.1 | 9.0 | 1,091 |
| Zamfara | 52.3 | 13.6 | 11.7 | 5.4 | 4.5 | 1,337 |
| FCT-Abuja | 84.8 | 70.8 | 61.7 | 38.0 | 33.9 | 340 |

¹ MICS indicator 9.4 - Women who know where to be tested for HIV

² MICS indicator 9.5 - Women who have been tested for HIV and know the results

³ MICS indicator 9.6 - Sexually active young women who have been tested for HIV and know the results

Table HA.4M: Knowledge of a place for HIV testing (men)

Percentage of men age 15-49 years who know where to get an HIV test, percentage who have ever been tested, percentage who have ever been tested and know the result of the most recent test, percentage who have been tested in the last 12 months, and percentage who have been tested in the last 12 months and know the result, Nigeria, 2016-17

| | Percentage of men who: | | | | | Number of men age 15-49 |
|--|---|-----------------------|---|--|---|-------------------------|
| | Know a place to get tested ¹ | Have ever been tested | Have ever been tested and know the result of the most recent test | Have been tested in the last 12 months | Have been tested in the last 12 months and know the result ^{2,3} | |
| Total | 70.8 | 33.5 | 30.5 | 16.4 | 15.1 | 15,183 |
| Geopolitical zone | | | | | | |
| North Central | 76.7 | 47.5 | 43.7 | 28.9 | 27.0 | 2,730 |
| North East | 82.1 | 24.5 | 21.7 | 12.0 | 10.7 | 2,943 |
| North West | 54.6 | 14.6 | 12.5 | 7.4 | 6.6 | 4,674 |
| South East | 86.3 | 53.8 | 50.8 | 17.9 | 16.7 | 984 |
| South South | 84.6 | 55.6 | 53.6 | 27.4 | 26.6 | 1,664 |
| South West | 65.4 | 42.7 | 37.9 | 16.7 | 14.6 | 2,189 |
| Residence | | | | | | |
| Urban | 79.0 | 42.2 | 38.7 | 19.3 | 17.5 | 5,627 |
| Rural | 66.0 | 28.4 | 25.7 | 14.7 | 13.6 | 9,556 |
| Age (years) | | | | | | |
| 15-24 | 62.3 | 18.6 | 16.1 | 10.7 | 9.5 | 5,887 |
| 15-19 | 56.4 | 12.5 | 10.5 | 8.3 | 7.3 | 3,508 |
| 20-24 | 70.9 | 27.5 | 24.4 | 14.1 | 12.7 | 2,378 |
| 25-29 | 74.2 | 37.7 | 35.1 | 18.8 | 17.6 | 2,191 |
| 30-39 | 77.8 | 46.6 | 43.3 | 21.9 | 20.4 | 4,014 |
| 40-49 | 75.5 | 42.0 | 38.2 | 18.4 | 16.8 | 3,092 |
| Age and sexual activity in the last 12 months | | | | | | |
| Sexually active | 75.9 | 43.3 | 40.0 | 20.1 | 18.8 | 9,058 |
| 15-24 ³ | 71.3 | 35.2 | 32.1 | 18.4 | 17.2 | 1,217 |
| 15-19 | 58.1 | 22.5 | 20.5 | 14.1 | 13.7 | 318 |
| 20-24 | 76.0 | 39.7 | 36.2 | 19.9 | 18.5 | 899 |
| 25-49 | 76.6 | 44.6 | 41.2 | 20.4 | 19.0 | 7,840 |
| Sexually inactive | 63.3 | 19.0 | 16.6 | 10.9 | 9.6 | 6,125 |
| Marital status | | | | | | |
| Ever married/in union | 74.6 | 41.8 | 38.2 | 18.9 | 17.4 | 7,423 |
| Never married/in union | 67.2 | 25.6 | 23.2 | 14.0 | 12.8 | 7,749 |
| Education | | | | | | |
| None | 57.6 | 13.3 | 10.5 | 6.2 | 5.0 | 1,563 |
| Non-formal | 52.4 | 7.1 | 5.7 | 2.5 | 2.2 | 2,140 |
| Primary | 63.0 | 28.5 | 24.9 | 12.2 | 10.9 | 1,997 |
| Secondary | 73.9 | 35.4 | 32.3 | 17.8 | 16.2 | 6,861 |
| Higher | 91.5 | 65.9 | 62.3 | 33.4 | 31.7 | 2,622 |
| Wealth index quintile | | | | | | |
| Poorest | 54.8 | 11.5 | 9.9 | 6.2 | 5.8 | 2,614 |
| Second | 61.3 | 22.1 | 19.0 | 12.0 | 10.6 | 2,901 |
| Middle | 69.9 | 29.2 | 26.1 | 14.7 | 13.5 | 2,927 |
| Fourth | 76.5 | 41.1 | 38.0 | 20.3 | 18.7 | 3,202 |
| Richest | 86.0 | 55.8 | 52.1 | 25.4 | 23.6 | 3,539 |
| Ethnicity of household head | | | | | | |
| Hausa | 63.3 | 16.5 | 14.3 | 7.4 | 6.5 | 6,958 |
| Igbo | 86.9 | 56.6 | 53.3 | 22.3 | 21.0 | 1,488 |
| Yoruba | 65.8 | 41.1 | 35.9 | 15.9 | 13.5 | 1,980 |
| Other ethnic group | 78.8 | 47.9 | 45.0 | 28.0 | 26.3 | 4,757 |

¹ MICS indicator 9.4 - Men who know where to be tested for HIV^[M]

² MICS indicator 9.5 - Men who have been tested for HIV and know the results^[M]

³ MICS indicator 9.6 - Sexually active young men who have been tested for HIV and know the results^[M]

Table HA.4M: Knowledge of a place for HIV testing (men) continued.

Percentage of men age 15-49 years who know where to get an HIV test, percentage who have ever been tested, percentage who have ever been tested and know the result of the most recent test, percentage who have been tested in the last 12 months, and percentage who have been tested in the last 12 months and know the result, Nigeria, 2016-17

| | Percentage of men who: | | | | | Number of men age 15-49 |
|--------------|---|-----------------------|---|--|---|-------------------------|
| | Know a place to get tested ¹ | Have ever been tested | Have ever been tested and know the result of the most recent test | Have been tested in the last 12 months | Have been tested in the last 12 months and know the result ^{2,3} | |
| Total | 70.8 | 33.5 | 30.5 | 16.4 | 15.1 | 15,183 |
| State | | | | | | |
| Abia | 82.6 | 44.1 | 42.7 | 18.3 | 17.3 | 142 |
| Adamawa | 69.2 | 37.7 | 24.6 | 25.0 | 18.6 | 389 |
| Akwa Ibom | 75.6 | 47.1 | 44.5 | 14.1 | 12.3 | 365 |
| Anambra | 94.5 | 47.2 | 47.2 | 2.7 | 2.7 | 241 |
| Bauchi | 95.0 | 18.3 | 17.5 | 7.0 | 6.5 | 681 |
| Bayelsa | 74.7 | 45.5 | 42.1 | 16.5 | 15.8 | 121 |
| Benue | 97.1 | 85.8 | 83.6 | 81.7 | 80.5 | 481 |
| Borno | 97.7 | 25.2 | 24.3 | 10.0 | 9.5 | 813 |
| Cross River | 85.2 | 53.2 | 53.2 | 37.1 | 37.1 | 275 |
| Delta | 81.0 | 47.6 | 43.5 | 18.1 | 17.8 | 258 |
| Ebonyi | 85.5 | 62.7 | 55.2 | 20.9 | 18.8 | 152 |
| Edo | 82.8 | 45.9 | 42.4 | 22.9 | 21.0 | 209 |
| Ekiti | 70.5 | 48.6 | 33.7 | 22.7 | 17.4 | 96 |
| Enugu | 90.2 | 59.1 | 58.0 | 14.9 | 14.6 | 190 |
| Gombe | 71.3 | 21.9 | 19.9 | 7.8 | 7.4 | 268 |
| Imo | 78.4 | 56.1 | 50.9 | 32.2 | 29.5 | 260 |
| Jigawa | 46.2 | 4.5 | 4.5 | 1.5 | 1.5 | 534 |
| Kaduna | 48.1 | 26.5 | 24.4 | 12.1 | 11.3 | 898 |
| Kano | 47.0 | 12.6 | 9.9 | 7.1 | 5.8 | 1,028 |
| Katsina | 68.2 | 8.0 | 5.7 | 3.4 | 3.1 | 816 |
| Kebbi | 60.9 | 15.0 | 12.6 | 9.7 | 8.2 | 426 |
| Kogi | 44.7 | 36.0 | 33.8 | 17.2 | 16.2 | 275 |
| Kwara | 81.4 | 42.6 | 32.6 | 16.4 | 10.7 | 232 |
| Lagos | 87.0 | 64.5 | 61.3 | 23.9 | 22.2 | 808 |
| Nasarawa | 71.9 | 54.6 | 47.7 | 35.1 | 31.2 | 352 |
| Niger | 59.4 | 20.1 | 14.5 | 8.9 | 6.5 | 645 |
| Ogun | 56.3 | 29.8 | 25.8 | 11.1 | 9.2 | 206 |
| Ondo | 53.3 | 20.4 | 17.8 | 10.4 | 8.8 | 293 |
| Osun | 59.0 | 31.1 | 23.7 | 12.9 | 9.1 | 296 |
| Oyo | 43.7 | 31.3 | 25.6 | 12.3 | 10.4 | 490 |
| Plateau | 90.3 | 46.1 | 45.7 | 13.6 | 13.3 | 606 |
| Rivers | 97.5 | 76.2 | 75.8 | 43.1 | 43.0 | 436 |
| Sokoto | 56.4 | 17.9 | 13.4 | 7.4 | 5.0 | 358 |
| Taraba | 70.9 | 46.9 | 43.5 | 28.3 | 27.8 | 256 |
| Yobe | 62.4 | 12.3 | 11.7 | 6.3 | 5.9 | 537 |
| Zamfara | 60.4 | 15.6 | 14.5 | 10.2 | 9.8 | 613 |
| FCT-Abuja | 94.9 | 62.0 | 60.7 | 34.3 | 33.5 | 139 |

¹ MICS indicator 9.4 - Men who know where to be tested for HIV^[M]

² MICS indicator 9.5 - Men who have been tested for HIV and know the results^[M]

³ MICS indicator 9.6 - Sexually active young men who have been tested for HIV and know the results^[M]

Table HA.5: HIV counselling and testing during antenatal care

Percentage of women age 15-49 with a live birth in the last 2 years who received antenatal care from a health professional during the last pregnancy, percentage who received HIV counselling, percentage who were offered and tested for HIV, percentage who were offered, tested and received the results of the HIV test, and percentage who received counselling and were offered, accepted and received the results of the HIV test, Nigeria, 2016-17

| | Percentage of women who: | | | | | | Number of women age 15-49 with a live birth in the last 2 years |
|------------------------------------|--|---|--|---|---|---------------|---|
| | Received antenatal care from a health care professional for last pregnancy | Received HIV counselling during antenatal care ¹ | Were offered an HIV test and were tested for HIV during antenatal care | Were offered an HIV test and were tested for HIV during antenatal care, and received the results ² | Received HIV counselling, were offered an HIV test, accepted and received the results | | |
| Total | 65.8 | 41.0 | 40.1 | 34.7 | 31.1 | 11,547 | |
| Geopolitical zone | | | | | | | |
| North Central | 62.5 | 43.0 | 42.9 | 38.6 | 35.4 | 1,770 | |
| North East | 67.0 | 44.8 | 41.4 | 38.7 | 36.2 | 2,394 | |
| North West | 53.6 | 25.7 | 23.7 | 18.3 | 15.9 | 4,603 | |
| South East | 91.3 | 68.5 | 69.2 | 56.3 | 49.5 | 620 | |
| South South | 81.0 | 60.5 | 63.7 | 55.6 | 49.4 | 900 | |
| South West | 89.5 | 59.7 | 62.2 | 55.6 | 48.7 | 1,261 | |
| Residence | | | | | | | |
| Urban | 87.4 | 62.9 | 63.4 | 56.0 | 49.9 | 3,426 | |
| Rural | 56.8 | 31.8 | 30.2 | 25.7 | 23.2 | 8,121 | |
| Age (years) | | | | | | | |
| 15-24 | 62.3 | 34.2 | 33.2 | 27.9 | 24.6 | 3,289 | |
| 15-19 | 56.7 | 28.5 | 26.9 | 20.8 | 19.3 | 860 | |
| 20-24 | 64.3 | 36.2 | 35.4 | 30.3 | 26.4 | 2,428 | |
| 25-29 | 67.3 | 44.5 | 43.6 | 38.3 | 34.0 | 3,047 | |
| 30-39 | 68.5 | 45.0 | 44.1 | 38.4 | 34.7 | 4,154 | |
| 40-49 | 62.1 | 36.9 | 35.6 | 30.6 | 29.1 | 1,058 | |
| Marital status | | | | | | | |
| Ever married/in union | 65.7 | 40.9 | 39.8 | 34.3 | 30.9 | 11,351 | |
| Never married/in union | 77.9 | 52.5 | 60.2 | 54.8 | 46.4 | 186 | |
| Education | | | | | | | |
| None | 48.2 | 22.7 | 20.6 | 16.4 | 14.8 | 3,208 | |
| Non-formal | 44.6 | 22.3 | 19.6 | 16.4 | 15.6 | 2,560 | |
| Primary | 73.6 | 44.2 | 41.6 | 35.9 | 32.5 | 1,716 | |
| Secondary | 87.7 | 61.4 | 63.0 | 55.7 | 48.6 | 3,182 | |
| Higher | 97.9 | 82.3 | 84.4 | 75.9 | 69.3 | 882 | |
| Wealth index quintile | | | | | | | |
| Poorest | 33.6 | 14.2 | 12.1 | 9.7 | 8.9 | 2,587 | |
| Second | 53.9 | 25.3 | 22.6 | 18.8 | 17.3 | 2,548 | |
| Middle | 70.8 | 44.1 | 41.2 | 34.5 | 31.1 | 2,270 | |
| Fourth | 86.4 | 60.5 | 60.3 | 53.5 | 48.0 | 2,113 | |
| Richest | 95.0 | 71.3 | 75.4 | 67.0 | 59.1 | 2,028 | |
| Ethnicity of household head | | | | | | | |
| Hausa | 55.7 | 29.1 | 26.7 | 22.0 | 20.0 | 6,543 | |
| Igbo | 91.6 | 66.1 | 69.7 | 59.4 | 51.4 | 923 | |
| Yoruba | 88.9 | 61.3 | 63.2 | 55.6 | 49.1 | 1,096 | |
| Other ethnic group | 71.7 | 52.0 | 51.8 | 47.1 | 42.6 | 2,985 | |

¹ MICS indicator 9.7 - HIV counselling during antenatal care

² MICS indicator 9.8 - HIV testing during antenatal care

Table HA.5: HIV counselling and testing during antenatal care (continued)

Percentage of women age 15-49 with a live birth in the last 2 years who received antenatal care from a health professional during the last pregnancy, percentage who received HIV counselling, percentage who were offered and tested for HIV, percentage who were offered, tested and received the results of the HIV test, and percentage who received counselling and were offered, accepted and received the results of the HIV test, Nigeria, 2016-17

| | Percentage of women who: | | | | | Number of women age 15-49 with a live birth in the last 2 years |
|--------------|--|---|--|---|---|---|
| | Received antenatal care from a health care professional for last pregnancy | Received HIV counselling during antenatal care ¹ | Were offered an HIV test and were tested for HIV during antenatal care | Were offered an HIV test and were tested for HIV during antenatal care, and received the results ² | Received HIV counselling, were offered an HIV test, accepted and received the results | |
| Total | 65.8 | 41.0 | 40.1 | 34.7 | 31.1 | 11,547 |
| State | | | | | | |
| Abia | 90.7 | 57.4 | 65.4 | 53.4 | 46.8 | 99 |
| Adamawa | 80.1 | 58.5 | 57.2 | 54.5 | 51.1 | 264 |
| Akwa Ibom | 80.5 | 63.5 | 65.0 | 56.4 | 52.3 | 228 |
| Anambra | 98.3 | 81.4 | 83.9 | 59.7 | 54.6 | 140 |
| Bauchi | 59.8 | 27.5 | 27.2 | 23.5 | 21.1 | 618 |
| Bayelsa | 62.2 | 40.0 | 46.6 | 40.5 | 31.9 | 73 |
| Benue | 67.5 | 57.6 | 57.5 | 52.8 | 50.0 | 271 |
| Borno | 89.1 | 72.0 | 60.7 | 57.2 | 55.0 | 692 |
| Cross River | 81.0 | 62.7 | 70.9 | 68.8 | 59.2 | 162 |
| Delta | 77.4 | 52.8 | 52.3 | 38.8 | 35.5 | 173 |
| Ebonyi | 75.0 | 45.7 | 46.3 | 41.3 | 34.2 | 111 |
| Edo | 91.5 | 70.8 | 69.5 | 62.5 | 58.1 | 101 |
| Ekiti | 87.9 | 66.4 | 57.2 | 44.7 | 36.5 | 54 |
| Enugu | 93.0 | 65.4 | 72.8 | 69.0 | 59.5 | 105 |
| Gombe | 67.5 | 30.9 | 33.2 | 32.2 | 28.5 | 236 |
| Imo | 95.7 | 81.6 | 71.9 | 57.0 | 50.7 | 164 |
| Jigawa | 51.0 | 23.5 | 16.5 | 6.4 | 5.4 | 595 |
| Kaduna | 76.1 | 55.2 | 53.6 | 46.4 | 40.8 | 663 |
| Kano | 65.1 | 27.1 | 26.7 | 18.6 | 15.4 | 1,038 |
| Katsina | 45.1 | 25.6 | 22.4 | 17.9 | 16.8 | 916 |
| Kebbi | 45.4 | 10.9 | 9.9 | 9.3 | 7.4 | 398 |
| Kogi | 80.4 | 36.9 | 47.3 | 45.9 | 33.3 | 133 |
| Kwara | 74.8 | 54.4 | 56.8 | 53.8 | 49.2 | 115 |
| Lagos | 92.2 | 71.4 | 79.3 | 75.8 | 65.9 | 429 |
| Nasarawa | 67.9 | 49.9 | 50.8 | 34.5 | 32.4 | 244 |
| Niger | 47.9 | 29.3 | 24.0 | 22.0 | 21.1 | 527 |
| Ogun | 85.3 | 47.1 | 54.3 | 37.0 | 29.5 | 132 |
| Ondo | 85.0 | 52.0 | 48.4 | 38.8 | 38.0 | 163 |
| Osun | 95.6 | 56.9 | 55.8 | 50.2 | 39.8 | 161 |
| Oyo | 86.9 | 53.6 | 53.7 | 49.5 | 45.6 | 322 |
| Plateau | 61.3 | 40.3 | 40.8 | 40.4 | 37.5 | 392 |
| Rivers | 87.6 | 65.3 | 70.7 | 61.5 | 52.7 | 163 |
| Sokoto | 35.1 | 9.6 | 9.1 | 7.9 | 6.2 | 409 |
| Taraba | 45.2 | 29.4 | 34.3 | 30.8 | 25.5 | 173 |
| Yobe | 41.2 | 30.5 | 27.7 | 27.4 | 26.5 | 410 |
| Zamfara | 42.2 | 13.5 | 13.4 | 11.8 | 10.4 | 583 |
| FCT-Abuja | 82.8 | 66.4 | 72.8 | 66.2 | 59.9 | 89 |

¹ MICS indicator 9.7 - HIV counselling during antenatal care

² MICS indicator 9.8 - HIV testing during antenatal care

Sexual Behaviour Related to HIV Transmission

Table HA.6: Sex with multiple partners (women)

Percentage of women age 15-49 years who ever had sex, percentage who had sex in the last 12 months, percentage who had sex with more than one partner in the last 12 months, mean number of sexual partners in lifetime for women who have ever had sex, and among those who had sex with multiple partners in the last 12 months, the percentage who used a condom at last sex, Nigeria, 2016-17

| | Percentage of women who: | | | | Mean number of sexual partners in lifetime | Number of women age 15-49 years who have ever had sex | Percentage of women who had more than one sexual partner in the last 12 months reporting that a condom was used the last time they had sex ² | Number of women age 15-49 years who had more than one sexual partner in the last 12 months |
|------------------------------------|--------------------------|-------------------------------|---|---------------------------------|--|---|---|--|
| | Ever had sex | Had sex in the last 12 months | Had sex with more than one partner in last 12 months ¹ | Number of women age 15-49 years | | | | |
| Total | 83.4 | 76.7 | 2.0 | 34,376 | 2.4 | 28,662 | 33.3 | 677 |
| Geopolitical zone | | | | | | | | |
| North Central | 82.9 | 77.4 | 3.0 | 6,006 | | 4,979 | 36.0 | 179 |
| North East | 81.9 | 76.3 | 1.4 | 6,584 | 1.5 | 5,395 | 16.5 | 92 |
| North West | 85.2 | 80.6 | 0.7 | 10,932 | 1.3 | 9,316 | 11.6 | 78 |
| South East | 77.8 | 64.7 | 3.9 | 2,445 | 3.5 | 1,902 | 57.0 | 94 |
| South South | 84.2 | 75.1 | 3.0 | 3,668 | 3.2 | 3,088 | 39.9 | 111 |
| South West | 84.0 | 74.7 | 2.6 | 4,741 | 2.5 | 3,981 | 31.6 | 123 |
| Residence | | | | | 2.0 | | | |
| Urban | 77.1 | 69.1 | 2.3 | 12,373 | | 9,537 | 40.6 | 284 |
| Rural | 86.9 | 81.0 | 1.8 | 22,003 | 1.9 | 19,125 | 28.0 | 393 |
| Age (years) | | | | | 2.6 | | | |
| 15-24 | 57.2 | 52.7 | 2.4 | 12,637 | | 7,224 | 45.9 | 298 |
| 15-19 | 34.7 | 31.3 | 1.4 | 6,822 | 2.4 | 2,368 | 42.7 | 96 |
| 20-24 | 83.5 | 77.7 | 3.5 | 5,816 | 2.0 | 4,856 | 47.4 | 202 |
| 25-29 | 96.5 | 91.5 | 2.3 | 5,915 | 2.6 | 5,709 | 30.6 | 139 |
| 30-39 | 99.1 | 92.3 | 1.6 | 9,729 | 2.6 | 9,643 | 24.4 | 159 |
| 40-49 | 99.8 | 87.3 | 1.3 | 6,095 | 2.3 | 6,085 | 9.3 | 82 |
| Marital status | | | | | 2.3 | | | |
| Ever married/in union | 100.0 | 93.8 | 1.3 | 25,778 | | 25,778 | 10.5 | 338 |
| Never married/in union | 33.1 | 25.4 | 4.0 | 8,520 | 2.4 | 2,816 | 56.0 | 339 |
| Education | | | | | 2.3 | | | |
| None | 94.1 | 88.8 | 1.0 | 7,799 | | 7,340 | 7.1 | 81 |
| Non-formal | 93.1 | 88.0 | 0.6 | 5,646 | 2.5 | 5,254 | 5.0 | 36 |
| Primary | 90.3 | 82.4 | 1.8 | 4,963 | 2.4 | 4,481 | 15.5 | 91 |
| Secondary | 68.9 | 62.1 | 2.6 | 12,466 | 2.7 | 8,583 | 38.9 | 328 |
| Higher | 85.8 | 74.9 | 4.0 | 3,502 | 2.2 | 3,004 | 54.0 | 141 |
| Wealth index quintile | | | | | | 2.5 | | |
| Poorest | 90.4 | 86.6 | 1.0 | 6,120 | | 5,530 | 14.5 | 62 |
| Second | 87.5 | 82.2 | 1.6 | 6,478 | 2.0 | 5,671 | 16.3 | 103 |
| Middle | 81.8 | 74.3 | 1.9 | 6,708 | 3.3 | 5,489 | 27.4 | 128 |
| Fourth | 80.3 | 71.6 | 2.5 | 7,053 | 2.2 | 5,662 | 39.5 | 174 |
| Richest | 78.7 | 71.2 | 2.6 | 8,017 | 2.3 | 6,309 | 45.5 | 211 |
| Ethnicity of household head | | | | | | | 2.1 | |
| Hausa | 84.6 | 80.0 | 0.7 | 15,920 | | 13,475 | 12.4 | 109 |
| Igbo | 79.2 | 67.4 | 3.4 | 3,558 | 2.6 | 2,818 | 50.5 | 120 |
| Yoruba | 82.7 | 73.7 | 3.1 | 4,380 | 2.8 | 3,622 | 32.3 | 134 |
| Other ethnic group | 83.2 | 76.1 | 3.0 | 10,518 | 2.0 | 8,746 | 34.3 | 314 |

¹ MICS indicator 9.12 - Multiple sexual partnerships

² MICS indicator 9.13 - Condom use at last sex among people with multiple sexual partnerships

Table HA.6: Sex with multiple partners (women) continued.

Percentage of women age 15-49 years who ever had sex, percentage who had sex in the last 12 months, percentage who had sex with more than one partner in the last 12 months, mean number of sexual partners in lifetime for women who have ever had sex, and among those who had sex with multiple partners in the last 12 months, the percentage who used a condom at last sex, Nigeria, 2016-17

| | Percentage of women who: | | | | Mean number of sexual partners in lifetime | Number of women age 15-49 years who have ever had sex | Percentage of women who had more than one sexual partner in the last 12 months reporting that a condom was used the last time they had sex ² | | Number of women age 15-49 years who had more than one sexual partner in the last 12 months |
|--------------|--------------------------|-------------------------------|---|---------------------------------|--|---|---|------------|--|
| | Ever had sex | Had sex in the last 12 months | Had sex with more than one partner in last 12 months ¹ | Number of women age 15-49 years | | | | | |
| Total | 83.4 | 76.7 | 2.0 | 34,376 | 2.4 | 28,662 | 33.3 | 677 | |
| State | | | | | | | | | |
| Abia | 81.7 | 65.5 | 1.0 | 336 | 2.1 | 274 | (*) | 3 | |
| Adamawa | 84.3 | 80.1 | 4.7 | 830 | 1.9 | 700 | (16.8) | 39 | |
| Akwa Ibom | 85.8 | 76.8 | 1.6 | 834 | 2.4 | 716 | (*) | 14 | |
| Anambra | 79.3 | 66.8 | 6.5 | 608 | 3.3 | 482 | (67.6) | 40 | |
| Bauchi | 87.7 | 85.9 | 0.1 | 1,559 | 1.1 | 1,367 | (*) | 1 | |
| Bayelsa | 90.6 | 82.3 | 3.4 | 260 | 3.4 | 236 | (32.9) | 9 | |
| Benue | 87.9 | 81.4 | 6.4 | 956 | 1.7 | 840 | 12.7 | 61 | |
| Borno | 74.5 | 65.7 | 1.1 | 1,984 | 1.3 | 1,479 | (*) | 21 | |
| Cross River | 84.4 | 73.7 | 3.8 | 693 | 2.5 | 585 | (54.6) | 26 | |
| Delta | 82.0 | 73.5 | 2.1 | 584 | 2.1 | 479 | (*) | 12 | |
| Ebonyi | 73.9 | 59.0 | 3.6 | 400 | 4.8 | 296 | (10.5) | 15 | |
| Edo | 79.9 | 71.1 | 1.8 | 494 | 1.9 | 394 | (*) | 9 | |
| Ekiti | 85.4 | 72.1 | 2.3 | 216 | 1.8 | 184 | (*) | 5 | |
| Enugu | 74.0 | 58.7 | 4.2 | 495 | 2.1 | 367 | (55.0) | 21 | |
| Gombe | 84.1 | 71.2 | 0.9 | 562 | 1.2 | 473 | (*) | 5 | |
| Imo | 79.8 | 70.9 | 2.7 | 606 | 3.4 | 484 | (*) | 16 | |
| Jigawa | 89.4 | 85.2 | 0.1 | 1,313 | 1.1 | 1,173 | (*) | 1 | |
| Kaduna | 80.6 | 75.6 | 1.0 | 2,076 | 1.4 | 1,674 | (*) | 21 | |
| Kano | 81.4 | 78.2 | 0.6 | 2,389 | 1.2 | 1,944 | (*) | 14 | |
| Katsina | 88.5 | 83.1 | 1.0 | 1,950 | 13.1 | 1,726 | (*) | 19 | |
| Kebbi | 83.3 | 77.9 | 0.5 | 956 | 1.3 | 796 | (*) | 4 | |
| Kogi | 80.8 | 66.9 | 2.8 | 632 | 1.6 | 510 | (27.8) | 18 | |
| Kwara | 84.9 | 80.8 | 3.9 | 487 | 1.6 | 414 | (61.0) | 19 | |
| Lagos | 84.8 | 75.8 | 3.3 | 1,725 | 2.0 | 1,463 | (31.3) | 56 | |
| Nasarawa | 82.0 | 77.4 | 2.9 | 738 | 1.4 | 606 | (36.3) | 22 | |
| Niger | 84.5 | 82.7 | 1.0 | 1,536 | 1.2 | 1,299 | (*) | 16 | |
| Ogun | 83.9 | 76.2 | 1.7 | 474 | 1.8 | 397 | (*) | 8 | |
| Ondo | 84.4 | 76.0 | 2.7 | 646 | 2.8 | 545 | (*) | 17 | |
| Osun | 78.0 | 65.0 | 3.8 | 638 | 1.8 | 498 | (*) | 24 | |
| Oyo | 85.8 | 77.9 | 1.2 | 1,042 | 1.6 | 894 | (*) | 13 | |
| Plateau | 78.9 | 73.5 | 2.2 | 1,317 | 1.7 | 1,038 | (47.0) | 29 | |
| Rivers | 84.4 | 75.9 | 5.1 | 803 | 2.9 | 678 | (40.6) | 41 | |
| Sokoto | 89.5 | 83.2 | 1.1 | 912 | 1.3 | 816 | (*) | 10 | |
| Taraba | 84.2 | 78.3 | 4.5 | 558 | 1.9 | 470 | (31.4) | 25 | |
| Yobe | 83.1 | 80.3 | 0.1 | 1,091 | 1.1 | 907 | (*) | 1 | |
| Zamfara | 88.7 | 84.9 | 0.6 | 1,337 | 1.4 | 1,185 | (*) | 8 | |
| FCT-Abuja | 80.1 | 72.0 | 4.0 | 340 | 2.0 | 273 | (65.9) | 14 | |

¹ MICS indicator 9.12 - Multiple sexual partnerships

² MICS indicator 9.13 - Condom use at last sex among people with multiple sexual partnerships

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table HA.6M: Sex with multiple partners (men)

Percentage of men age 15-49 years who ever had sex, percentage who had sex in the last 12 months, percentage who had sex with more than one partner in the last 12 months, mean number of sexual partners in lifetime for men who have ever had sex, and among those who had sex with multiple partners in the last 12 months, the percentage who used a condom at last sex, Nigeria, 2016-17

| | Percentage of men who: | | | | Mean number of sexual partners in lifetime | Number of men age 15-49 years who have ever had sex | Percentage of men who had more than one sexual partner in the last 12 months reporting that a condom was used the last time they had sex ² | Number of men age 15-49 years who had more than one sexual partner in the last 12 months |
|------------------------------------|------------------------|-------------------------------|---|-------------------------------|--|---|---|--|
| | Ever had sex | Had sex in the last 12 months | Had sex with more than one partner in the last 12 months ¹ | Number of men age 15-49 years | | | | |
| Total | 64.5 | 60.1 | 11.2 | 15,183 | 4.4 | 9,790 | 35.3 | 1,700 |
| Geopolitical zone | | | | | | | | |
| North Central | 64.5 | 59.7 | 9.5 | 2,730 | 3.5 | 1,760 | 42.6 | 260 |
| North East | 51.2 | 48.1 | 3.7 | 2,943 | 2.1 | 1,507 | 9.2 | 109 |
| North West | 56.9 | 54.7 | 7.4 | 4,674 | 2.4 | 2,658 | 11.1 | 345 |
| South East | 76.6 | 70.0 | 16.0 | 984 | 5.8 | 754 | 64.2 | 158 |
| South South | 80.8 | 74.6 | 20.0 | 1,664 | 7.3 | 1,345 | 50.2 | 332 |
| South West | 80.7 | 72.6 | 22.6 | 2,189 | 7.3 | 1,767 | 34.8 | 496 |
| Residence | | | | | | | | |
| Urban | 62.9 | 57.2 | 13.3 | 5,627 | 5.4 | 3,541 | 42.3 | 747 |
| Rural | 65.4 | 61.7 | 10.0 | 9,556 | 3.8 | 6,249 | 29.7 | 953 |
| Age (years) | | | | | | | | |
| 15-24 | 25.1 | 21.3 | 5.6 | 5,887 | 4.0 | 1,477 | 59.7 | 332 |
| 15-19 | 12.1 | 9.6 | 1.9 | 3,508 | 2.9 | 423 | 62.0 | 68 |
| 20-24 | 44.3 | 38.6 | 11.1 | 2,378 | 4.4 | 1,054 | 59.0 | 264 |
| 25-29 | 72.8 | 67.4 | 13.8 | 2,191 | 4.3 | 1,594 | 52.9 | 303 |
| 30-39 | 91.7 | 86.9 | 14.2 | 4,014 | 4.4 | 3,679 | 32.5 | 571 |
| 40-49 | 98.3 | 93.9 | 16.0 | 3,092 | 4.5 | 3,041 | 11.2 | 494 |
| Marital status | | | | | | | | |
| Ever married/in union | 98.4 | 95.2 | 14.0 | 7,423 | 4.1 | 7,308 | 14.7 | 1,040 |
| Never married/in union | 32.0 | 26.5 | 8.5 | 7,749 | 5.2 | 2,477 | 67.8 | 658 |
| Education | | | | | | | | |
| None | 65.9 | 63.0 | 6.1 | 1,563 | 2.2 | 1,030 | 3.9 | 95 |
| Non-formal | 63.8 | 61.0 | 8.2 | 2,140 | 1.9 | 1,366 | 3.1 | 176 |
| Primary | 73.5 | 69.9 | 11.4 | 1,997 | 4.5 | 1,469 | 25.0 | 228 |
| Secondary | 57.2 | 52.5 | 11.9 | 6,861 | 5.1 | 3,925 | 41.6 | 819 |
| Higher | 76.3 | 70.1 | 14.5 | 2,622 | 5.7 | 2,001 | 50.5 | 381 |
| Wealth index quintile | | | | | | | | |
| Poorest | 57.6 | 55.1 | 6.3 | 2,614 | 2.2 | 1,505 | 8.6 | 165 |
| Second | 61.5 | 58.4 | 7.7 | 2,901 | 2.9 | 1,783 | 16.4 | 225 |
| Middle | 61.3 | 57.3 | 10.4 | 2,927 | 4.0 | 1,793 | 33.8 | 304 |
| Fourth | 65.7 | 60.2 | 13.0 | 3,202 | 5.3 | 2,104 | 38.9 | 417 |
| Richest | 73.6 | 67.3 | 16.7 | 3,539 | 6.2 | 2,604 | 48.1 | 589 |
| Ethnicity of household head | | | | | | | | |
| Hausa | 55.3 | 52.6 | 6.1 | 6,958 | 2.0 | 3,848 | 12.6 | 424 |
| Igbo | 76.9 | 70.3 | 16.9 | 1,488 | 5.7 | 1,145 | 56.9 | 251 |
| Yoruba | 78.0 | 71.3 | 22.4 | 1,980 | 7.3 | 1,544 | 36.9 | 443 |
| Other ethnic group | 68.4 | 63.1 | 12.2 | 4,757 | 5.3 | 3,254 | 41.1 | 582 |

¹ MICS indicator 9.12 - Multiple sexual partnerships^[M]

² MICS indicator 9.13 - Condom use at last sex among people with multiple sexual partnerships^[M]

Table HA.6M: Sex with multiple partners (men) continued.

Percentage of men age 15-49 years who ever had sex, percentage who had sex in the last 12 months, percentage who had sex with more than one partner in the last 12 months, mean number of sexual partners in lifetime for men who have ever had sex, and among those who had sex with multiple partners in the last 12 months, the percentage who used a condom at last sex, Nigeria, 2016-17

| | Percentage of men who: | | | Number of men age 15-49 years | Mean number of sexual partners in lifetime | Number of men age 15-49 years who have ever had sex | Percentage of men who had more than one sexual partner in the last 12 months reporting that a condom was used the last time they had sex ² | Number of men age 15-49 years who had more than one sexual partner in the last 12 months |
|--------------|------------------------|-------------------------------|---|-------------------------------|--|---|---|--|
| | Ever had sex | Had sex in the last 12 months | Had sex with more than one partner in last 12 months ¹ | | | | | |
| Total | 64.5 | 60.1 | 11.2 | 15,183 | 4.4 | 9,790 | 35.3 | 1,700 |
| State | | | | | | | | |
| Abia | 76.8 | 63.1 | 15.7 | 142 | 6.0 | 109 | (60.3) | 22 |
| Adamawa | 66.0 | 62.6 | 1.7 | 389 | 2.5 | 256 | (*) | 7 |
| Akwa Ibom | 78.8 | 68.4 | 8.3 | 365 | 5.4 | 288 | (43.0) | 30 |
| Anambra | 74.5 | 67.6 | 10.9 | 241 | 3.6 | 179 | (65.9) | 26 |
| Bauchi | 57.7 | 56.8 | 9.2 | 681 | 1.6 | 393 | (5.8) | 62 |
| Bayelsa | 83.9 | 76.7 | 27.8 | 121 | 11.1 | 101 | 26.9 | 34 |
| Benue | 52.4 | 48.0 | 6.9 | 481 | 5.7 | 252 | (56.9) | 33 |
| Borno | 42.7 | 40.8 | 0.5 | 813 | 2.0 | 347 | (*) | 4 |
| Cross River | 82.1 | 78.1 | 18.9 | 275 | 6.1 | 226 | 39.7 | 52 |
| Delta | 80.7 | 74.2 | 30.8 | 258 | 9.6 | 209 | 26.7 | 80 |
| Ebonyi | 75.4 | 72.6 | 20.6 | 152 | 7.1 | 114 | 43.5 | 31 |
| Edo | 72.3 | 68.3 | 12.8 | 209 | 4.7 | 151 | (66.2) | 27 |
| Ekiti | 81.9 | 70.4 | 16.8 | 96 | 6.4 | 79 | (40.0) | 16 |
| Enugu | 81.3 | 73.1 | 18.5 | 190 | 5.4 | 154 | 61.7 | 35 |
| Gombe | 55.4 | 53.3 | 1.4 | 268 | 1.9 | 148 | (*) | 4 |
| Imo | 75.7 | 72.1 | 16.4 | 260 | 7.4 | 197 | 82.5 | 43 |
| Jigawa | 58.4 | 57.6 | 1.1 | 534 | 2.1 | 312 | (*) | 6 |
| Kaduna | 56.8 | 54.2 | 10.7 | 898 | 4.3 | 510 | 18.6 | 96 |
| Kano | 52.3 | 49.5 | 3.2 | 1,028 | 2.3 | 538 | (35.7) | 33 |
| Katsina | 64.3 | 62.4 | 9.6 | 816 | 1.5 | 525 | (0.0) | 78 |
| Kebbi | 52.8 | 50.9 | 3.7 | 426 | 2.2 | 225 | (*) | 16 |
| Kogi | 71.1 | 65.1 | 23.3 | 275 | 5.0 | 195 | 46.1 | 64 |
| Kwara | 71.9 | 68.7 | 10.7 | 232 | 4.6 | 167 | (47.6) | 25 |
| Lagos | 81.0 | 74.8 | 19.7 | 808 | 6.6 | 654 | 47.1 | 159 |
| Nasarawa | 70.3 | 66.3 | 11.2 | 352 | 3.8 | 248 | 23.1 | 40 |
| Niger | 67.3 | 61.9 | 4.3 | 645 | 1.7 | 434 | (*) | 28 |
| Ogun | 83.2 | 76.0 | 26.0 | 206 | 7.5 | 171 | 42.5 | 53 |
| Ondo | 84.5 | 77.0 | 34.5 | 293 | 7.8 | 247 | 32.4 | 101 |
| Osun | 75.8 | 64.3 | 19.9 | 296 | 9.9 | 225 | (17.3) | 59 |
| Oyo | 79.8 | 70.5 | 21.8 | 490 | 7.1 | 391 | 23.6 | 107 |
| Plateau | 60.7 | 57.2 | 8.2 | 606 | 3.0 | 368 | (61.3) | 50 |
| Rivers | 85.0 | 80.2 | 25.2 | 436 | 8.3 | 371 | 77.5 | 110 |
| Sokoto | 55.3 | 54.7 | 7.1 | 358 | 1.5 | 198 | (0.0) | 25 |
| Taraba | 70.9 | 62.1 | 8.3 | 256 | 3.7 | 181 | (5.9) | 21 |
| Yobe | 33.9 | 28.3 | 2.1 | 537 | 1.5 | 182 | (*) | 11 |
| Zamfara | 57.1 | 53.9 | 14.8 | 613 | 2.1 | 350 | 0.0 | 91 |
| FCT-Abuja | 69.1 | 58.5 | 14.7 | 139 | 2.9 | 96 | 30.0 | 20 |

¹ MICS indicator 9.12 - Multiple sexual partnerships^[M]

² MICS indicator 9.13 - Condom use at last sex among people with multiple sexual partnerships^[M]

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

HIV Indicators for Young Women and Young Men

Table HA.7: Key HIV and AIDS indicators (young women)

Percentage of women age 15-24 years by key HIV and AIDS indicators, Nigeria, 2016-17

| | Percentage of women age 15-24 years who: | | | | | | Number of women age 15-24 years | Percentage of sexually active young women who have been tested for HIV in the last 12 months and know the result ² | Number of women age 15-24 years who had sex in the last 12 months | Percentage who express attitudes towards people living with HIV on all four indicators ^a | Percentage who report discriminatory attitudes towards people living with HIV [a] | Number of women age 15-24 years who have heard of AIDS |
|--------------------------|---|---|------------------------------------|---|--|-------------------------------|---------------------------------|---|---|---|---|--|
| | Have comprehensive knowledge ¹ | Know all three means of HIV transmission from mother to child | Know a place to get tested for HIV | Have ever been tested and know the result of the most recent test | Have been tested for HIV in the last 12 months and know the result | Had sex in the last 12 months | | | | | | |
| Total | 29.3 | 47.3 | 54.4 | 23.1 | 12.1 | 52.7 | 12637 | 16.7 | 6655 | 8.0 | 60.3 | 10331 |
| Geopolitical Zone | | | | | | | | | | | | |
| North Central | 27.2 | 43.1 | 57.7 | 28.6 | 15.6 | 51.5 | 2212 | 22.6 | 1139 | 9.5 | 56.1 | 1767 |
| North East | 28.3 | 43.0 | 49.4 | 22.1 | 9.7 | 53.3 | 2533 | 14.9 | 1350 | 4.5 | 54.4 | 1922 |
| North West | 24.6 | 45.7 | 45.5 | 13.3 | 6.2 | 59.9 | 4208 | 8.3 | 2519 | 11.5 | 55.8 | 3190 |
| South East | 27.9 | 50.2 | 64.8 | 31.2 | 16.0 | 38.5 | 921 | 29.1 | 355 | 2.8 | 71.1 | 858 |
| South South | 39.9 | 52.4 | 70.7 | 35.5 | 22.4 | 50.6 | 1290 | 30.8 | 653 | 9.6 | 61.2 | 1215 |
| South West | 39.0 | 59.4 | 62.3 | 28.2 | 16.2 | 43.4 | 1474 | 22.1 | 639 | 4.3 | 76.6 | 1379 |
| Residence | | | | | | | | | | | | |
| Urban | 39.9 | 56.2 | 67.9 | 28.8 | 15.7 | 37.4 | 4631 | 27.9 | 1734 | 7.9 | 58.8 | 4254 |
| Rural | 23.1 | 42.2 | 46.5 | 19.7 | 10.0 | 61.5 | 8007 | 12.8 | 4921 | 8.1 | 61.3 | 6078 |
| Age group (Years) | | | | | | | | | | | | |
| 15-19 | 28.1 | 44.6 | 48.5 | 14.4 | 7.9 | 31.3 | 6822 | 13.2 | 2135 | 8.1 | 61.7 | 5445 |
| 15-17 | 25.6 | 42.1 | 44.2 | 10.0 | 5.9 | 20.7 | 4379 | 10.3 | 907 | 7.3 | 63.5 | 3411 |
| 18-19 | 32.5 | 49.0 | 56.4 | 22.3 | 11.5 | 50.3 | 2442 | 15.4 | 1228 | 9.4 | 58.7 | 2034 |
| 20-24 | 30.7 | 50.6 | 61.2 | 33.2 | 17.0 | 77.7 | 5816 | 18.4 | 4520 | 7.9 | 58.7 | 4886 |
| 20-22 | 29.0 | 49.6 | 58.0 | 30.3 | 15.9 | 75.6 | 3924 | 16.9 | 2967 | 7.4 | 58.9 | 3231 |
| 23-24 | 34.1 | 52.6 | 67.6 | 39.2 | 19.3 | 82.1 | 1892 | 21.3 | 1553 | 8.7 | 58.1 | 1655 |
| Marital status | | | | | | | | | | | | |
| Ever married/in union | 24.7 | 46.1 | 52.1 | 29.0 | 14.4 | 97.0 | 5365 | 14.5 | 5202 | 7.5 | 60.9 | 4135 |
| Never married/in union | 32.8 | 48.5 | 56.4 | 18.8 | 10.4 | 20.1 | 7222 | 24.6 | 1448 | 8.3 | 59.8 | 6176 |
| Missing/Don't know | 2.2 | 14.1 | 7.4 | 2.6 | 2.1 | 8.8 | 51 | 20.1 | 4 | 0.9 | 82.4 | 21 |

Table HA.7: Key HIV and AIDS indicators (young women) continued

Percentage of women age 15-24 years by key HIV and AIDS indicators, Nigeria, 2016-17

| | Percentage of women age 15-24 years who: | | | | | | Number of women age 15-24 years | Percentage of sexually active young women who have been tested for HIV in the last 12 months and know the result ² | Number of women age 15-24 years who had sex in the last 12 months | Percentage who express accepting attitudes towards people living with HIV on all four indicators ^a | Percentage who report discriminatory attitudes towards people living with HIV [a] | Number of women age 15-24 years who have heard of AIDS |
|------------------------------------|---|---|------------------------------------|---|--|-------------------------------|---------------------------------|---|---|---|---|--|
| | Have comprehensive knowledge ¹ | Know all three means of HIV transmission from mother to child | Know a place to get tested for HIV | Have ever been tested and know the result of the most recent test | Have been tested for HIV in the last 12 months and know the result | Had sex in the last 12 months | | | | | | |
| Education | | | | | | | | | | | | |
| None | 20.0 | 36.6 | 33.0 | 13.0 | 6.2 | 76.8 | 2215 | 7.3 | 1701 | 7.4 | 60.5 | 1423 |
| Non-formal | 16.6 | 36.1 | 34.4 | 10.2 | 4.7 | 75.8 | 1734 | 6.2 | 1315 | 6.4 | 68.2 | 1170 |
| Primary | 20.7 | 43.2 | 49.9 | 19.6 | 9.2 | 60.4 | 1313 | 13.7 | 794 | 7.3 | 62.0 | 1001 |
| Secondary | 34.3 | 52.6 | 63.3 | 26.6 | 14.2 | 37.2 | 6501 | 25.9 | 2416 | 8.2 | 60.1 | 5889 |
| Higher | 53.6 | 63.6 | 87.9 | 53.0 | 30.4 | 49.1 | 874 | 40.1 | 429 | 10.0 | 48.1 | 848 |
| Wealth index quintile | | | | | | | | | | | | |
| Poorest | 16.6 | 32.6 | 29.0 | 9.1 | 4.9 | 68.5 | 1988 | 5.7 | 1362 | 9.2 | 63.0 | 1224 |
| Second | 21.9 | 39.1 | 40.1 | 15.5 | 7.3 | 64.6 | 2507 | 9.2 | 1619 | 8.5 | 61.3 | 1786 |
| Middle | 27.5 | 48.2 | 56.1 | 21.3 | 11.2 | 52.7 | 2711 | 17.2 | 1430 | 7.3 | 60.4 | 2312 |
| Fourth | 31.2 | 55.2 | 65.0 | 30.1 | 15.3 | 44.9 | 2636 | 24.8 | 1183 | 6.5 | 59.0 | 2381 |
| Richest | 45.0 | 56.9 | 73.5 | 34.8 | 19.4 | 38.0 | 2796 | 32.7 | 1062 | 8.9 | 59.3 | 2629 |
| Ethnicity of household head | | | | | | | | | | | | |
| Hausa | 24.6 | 44.0 | 43.5 | 14.1 | 6.4 | 58.8 | 6088 | 9.4 | 3580 | 9.0 | 57.5 | 4531 |
| Igbo | 33.4 | 51.9 | 66.9 | 32.7 | 17.8 | 39.6 | 1256 | 31.2 | 498 | 5.2 | 68.3 | 1176 |
| Yoruba | 37.4 | 57.1 | 62.2 | 25.1 | 14.1 | 41.9 | 1424 | 19.2 | 596 | 5.0 | 74.2 | 1329 |
| Other ethnic group | 32.2 | 47.5 | 64.5 | 33.3 | 18.4 | 51.2 | 3869 | 25.6 | 1981 | 8.7 | 55.5 | 3296 |

¹ MICS indicator 9.1; MDG indicator 6.3 - Knowledge about HIV prevention among young women

² MICS indicator 9.6 - Sexually active young women who have been tested for HIV and know the results

[a] Refer to Table HA.3 for the components of this indicator

Table HA.7: Key HIV and AIDS indicators (young women) continued

Percentage of women age 15-24 years by key HIV and AIDS indicators, Nigeria, 2016-17

| | Percentage of women age 15-24 years who: | | | | | | Number of women age 15-24 years | Percentage of sexually active young women who have been tested for HIV in the last 12 months and know the result ² | Number of women age 15-24 years who had sex in the last 12 months | Percentage who express accepting attitudes towards people living with HIV on all four indicators ^a | Percentage who report discriminatory attitudes towards people living with HIV [a] | Number of women age 15-24 years who have heard of AIDS |
|--------------|---|---|------------------------------------|---|--|-------------------------------|---------------------------------|---|---|---|---|--|
| | Have comprehensive knowledge ¹ | Know all three means of HIV transmission from mother to child | Know a place to get tested for HIV | Have ever been tested and know the result of the most recent test | Have been tested for HIV in the last 12 months and know the result | Had sex in the last 12 months | | | | | | |
| Total | 29.3 | 47.3 | 54.4 | 23.1 | 12.1 | 52.7 | 12637 | 16.7 | 6655 | 8.0 | 60.3 | 10331 |
| State | | | | | | | | | | | | |
| Abia | 23.1 | 59.7 | 63.1 | 25.1 | 14.8 | 39.0 | 108 | 28.1 | 42 | 3.0 | 80.0 | 105 |
| Adamawa | 17.4 | 42.9 | 48.9 | 30.2 | 21.6 | 56.6 | 310 | 32.0 | 176 | 3.3 | 46.4 | 240 |
| Akwa Ibom | 30.3 | 58.2 | 76.1 | 46.7 | 33.3 | 58.3 | 325 | 39.7 | 190 | 13.3 | 53.4 | 322 |
| Anambra | 33.6 | 50.9 | 75.4 | 31.1 | 15.7 | 41.9 | 228 | 27.1 | 96 | 1.4 | 63.0 | 223 |
| Bauchi | 35.2 | 37.8 | 34.7 | 14.2 | 6.4 | 68.6 | 607 | 8.2 | 416 | 9.3 | 61.5 | 459 |
| Bayelsa | 46.6 | 63.6 | 75.2 | 28.2 | 13.6 | 69.0 | 90 | 18.1 | 62 | 9.2 | 71.5 | 87 |
| Benue | 38.6 | 61.4 | 81.7 | 51.7 | 35.3 | 64.6 | 368 | 42.1 | 238 | 11.8 | 35.1 | 363 |
| Borno | 41.0 | 68.8 | 66.8 | 28.6 | 6.6 | 39.5 | 783 | 13.2 | 309 | 0.4 | 53.4 | 721 |
| Cross River | 37.9 | 44.9 | 79.3 | 43.3 | 28.1 | 47.9 | 248 | 37.1 | 119 | 11.0 | 51.9 | 245 |
| Delta | 25.3 | 48.5 | 56.2 | 20.5 | 12.1 | 46.8 | 202 | 19.3 | 95 | 5.3 | 73.9 | 175 |
| Ebonyi | 21.8 | 55.1 | 47.8 | 18.6 | 10.5 | 30.1 | 167 | 17.9 | 50 | 0.9 | 59.8 | 142 |
| Edo | 59.8 | 54.4 | 65.6 | 25.9 | 10.3 | 37.2 | 163 | 19.8 | 61 | 3.0 | 57.6 | 142 |
| Ekiti | 27.4 | 55.9 | 69.1 | 22.0 | 8.6 | 36.6 | 67 | 17.1 | 24 | 4.0 | 75.8 | 66 |
| Enugu | 24.7 | 50.3 | 60.1 | 36.3 | 16.4 | 35.7 | 198 | 30.3 | 71 | 2.2 | 73.3 | 172 |
| Gombe | 11.7 | 19.2 | 34.4 | 21.9 | 11.8 | 52.9 | 232 | 13.6 | 123 | 2.5 | 53.5 | 109 |
| Imo | 31.8 | 40.9 | 71.8 | 39.1 | 20.6 | 43.7 | 220 | 36.5 | 96 | 6.0 | 80.8 | 216 |
| Jigawa | 19.3 | 47.5 | 34.5 | 0.6 | 0.5 | 64.3 | 481 | 0.7 | 310 | 2.4 | 53.7 | 353 |
| Kaduna | 52.8 | 71.6 | 87.6 | 36.2 | 17.0 | 52.2 | 859 | 24.8 | 448 | 28.7 | 33.8 | 812 |
| Kano | 16.7 | 39.6 | 40.4 | 9.0 | 4.4 | 54.3 | 971 | 7.0 | 528 | 6.4 | 62.5 | 725 |
| Katsina | 18.1 | 44.7 | 37.2 | 10.9 | 4.7 | 68.8 | 729 | 6.1 | 501 | 9.5 | 54.5 | 533 |
| Kebbi | 3.1 | 8.5 | 12.4 | 3.2 | 1.1 | 52.1 | 361 | 1.0 | 188 | 2.0 | 83.9 | 176 |

Table HA.7: Key HIV and AIDS indicators (young women) continued

Percentage of women age 15-24 years by key HIV and AIDS indicators, Nigeria, 2016-17

| | Percentage of women age 15-24 years who: | | | | | | Number of women age 15-24 years | Percentage of sexually active young women who have been tested for HIV in the last 12 months and know the result ² | Number of women age 15-24 years who had sex in the last 12 months | Percentage who express accepting attitudes towards people living with HIV on all four indicators ^a | Percentage who report discriminatory attitudes towards people living with HIV [a] | Number of women age 15-24 years who have heard of AIDS |
|-----------|---|---|------------------------------------|---|--|-------------------------------|---------------------------------|---|---|---|---|--|
| | Have comprehensive knowledge ¹ | Know all three means of HIV transmission from mother to child | Know a place to get tested for HIV | Have ever been tested and know the result of the most recent test | Have been tested for HIV in the last 12 months and know the result | Had sex in the last 12 months | | | | | | |
| Kogi | 19.5 | 45.2 | 37.4 | 21.3 | 8.9 | 44.4 | 249 | 13.4 | 110 | 8.2 | 75.0 | 202 |
| Kwara | 29.2 | 49.1 | 58.6 | 22.3 | 6.5 | 53.2 | 155 | 11.4 | 82 | 0.9 | 57.2 | 120 |
| Lagos | 60.6 | 61.3 | 76.9 | 44.8 | 26.4 | 44.6 | 488 | 36.7 | 218 | 6.3 | 73.9 | 476 |
| Nasarawa | 26.0 | 43.1 | 63.9 | 29.8 | 15.8 | 52.1 | 283 | 18.1 | 148 | 9.7 | 40.7 | 236 |
| Niger | 20.5 | 35.7 | 47.7 | 13.6 | 4.2 | 55.3 | 534 | 7.6 | 295 | 1.3 | 73.8 | 386 |
| Ogun | 33.7 | 60.1 | 55.4 | 19.6 | 10.1 | 41.8 | 155 | 20.0 | 65 | 3.5 | 82.1 | 150 |
| Ondo | 30.8 | 59.3 | 56.0 | 13.8 | 6.9 | 44.8 | 206 | 6.7 | 92 | 2.9 | 76.2 | 185 |
| Osun | 26.2 | 68.7 | 55.0 | 22.6 | 14.2 | 40.5 | 250 | 19.9 | 101 | 0.3 | 78.8 | 239 |
| Oyo | 25.8 | 49.5 | 51.4 | 21.6 | 12.7 | 45.0 | 308 | 13.0 | 138 | 5.7 | 76.7 | 263 |
| Plateau | 28.3 | 35.1 | 52.5 | 28.1 | 15.9 | 43.0 | 497 | 28.3 | 213 | 20.0 | 57.6 | 339 |
| Rivers | 50.1 | 50.5 | 68.7 | 34.3 | 22.0 | 48.5 | 262 | 31.3 | 127 | 10.8 | 70.1 | 244 |
| Sokoto | 10.4 | 21.7 | 12.0 | 6.2 | 1.8 | 67.2 | 320 | 2.3 | 215 | 3.9 | 89.0 | 173 |
| Taraba | 13.9 | 38.1 | 47.8 | 20.5 | 11.5 | 55.4 | 207 | 16.5 | 115 | 1.2 | 57.2 | 155 |
| Yobe | 18.3 | 16.1 | 47.4 | 16.1 | 9.5 | 53.8 | 393 | 16.0 | 212 | 12.2 | 50.3 | 239 |
| Zamfara | 30.9 | 55.8 | 51.1 | 10.1 | 5.8 | 67.6 | 486 | 6.5 | 329 | 4.6 | 64.7 | 419 |
| FCT-Abuja | 33.3 | 40.3 | 75.9 | 46.0 | 28.8 | 41.2 | 126 | 44.9 | 52 | 9.7 | 56.1 | 120 |

¹ MICS indicator 9.1; MDG indicator 6.3 - Knowledge about HIV prevention among young women

² MICS indicator 9.6 - Sexually active young women who have been tested for HIV and know the results

[a] Refer to Table HA.3 for the components of this indicator

Table HA.7M: Key HIV and AIDS indicators (young men)

Percentage of men age 15-24 years by key HIV and AIDS indicators, Nigeria, 2016-17

| | Percentage of men age 15-24 years who: | | | | | | | Percentage of sexually active young men who have been tested for HIV in the last 12 months and know the result ² | Number of men age 15-24 years who had sex in the last 12 months | Percentage who express attitudes towards people living with HIV on all four indicators ^a | Percentage who report discriminatory attitudes towards people living with HIV [a] | Number of men age 15-24 who have heard of AIDS |
|--------------------------|---|---|------------------------------------|---|--|-------------------------------|-------------------------------|---|---|---|---|--|
| | Have comprehensive knowledge ¹ | Know all three means of HIV transmission from mother to child | Know a place to get tested for HIV | Have ever been tested and know the result of the most recent test | Have been tested for HIV in the last 12 months and know the result | Had sex in the last 12 months | Number of men age 15-24 years | | | | | |
| Total | 27.9 | 40.6 | 62.3 | 16.1 | 9.5 | 21.3 | 5,887 | 16.8 | 1,254 | 12.2 | 55.6 | 5,260 |
| Geopolitical zone | | | | | | | | | | | | |
| North Central | 21.9 | 40.2 | 71.0 | 28.2 | 19.7 | 22.0 | 1,105 | 25.2 | 243 | 7.7 | 57.7 | 1,016 |
| North East | 38.9 | 48.8 | 74.9 | 9.2 | 5.1 | 9.4 | 1,193 | 12.1 | 112 | 23.5 | 34.6 | 1,060 |
| North West | 17.4 | 30.6 | 44.2 | 7.1 | 3.5 | 11.7 | 1,869 | 7.4 | 219 | 11.6 | 59.2 | 1,543 |
| South East | 34.8 | 37.5 | 73.8 | 18.5 | 7.3 | 36.4 | 384 | 14.5 | 140 | 10.6 | 60.5 | 369 |
| South South | 41.4 | 52.7 | 78.3 | 34.5 | 22.1 | 42.9 | 601 | 28.5 | 258 | 12.4 | 56.4 | 583 |
| South West | 31.0 | 45.4 | 55.6 | 15.9 | 7.4 | 38.4 | 735 | 9.2 | 282 | 3.9 | 73.7 | 689 |
| Residence | | | | | | | | | | | | |
| Urban | 34.8 | 47.5 | 70.7 | 19.7 | 10.8 | 20.7 | 2,128 | 18.3 | 440 | 10.4 | 50.1 | 2,019 |
| Rural | 23.9 | 36.8 | 57.5 | 14.1 | 8.8 | 21.7 | 3,759 | 16.0 | 814 | 13.3 | 59.1 | 3,241 |
| Age (years) | | | | | | | | | | | | |
| 15-19 | 24.8 | 39.7 | 56.4 | 10.5 | 7.3 | 9.6 | 3,508 | 13.2 | 337 | 10.3 | 57.9 | 3,049 |
| 15-17 | 22.8 | 38.4 | 53.2 | 8.8 | 6.2 | 5.6 | 2,352 | 8.5 | 132 | 10.3 | 58.9 | 1,990 |
| 18-19 | 28.8 | 42.5 | 63.0 | 13.9 | 9.7 | 17.7 | 1,156 | 16.1 | 205 | 10.2 | 56.0 | 1,059 |
| 20-24 | 32.4 | 42.0 | 70.9 | 24.4 | 12.7 | 38.6 | 2,378 | 18.1 | 917 | 14.9 | 52.5 | 2,211 |
| 20-22 | 30.4 | 40.3 | 68.5 | 19.8 | 10.8 | 33.3 | 1,670 | 17.5 | 556 | 14.3 | 54.5 | 1,533 |
| 23-24 | 37.1 | 45.8 | 76.6 | 35.2 | 17.0 | 51.0 | 708 | 19.2 | 361 | 16.4 | 48.0 | 678 |
| Marital status | | | | | | | | | | | | |
| Ever married/in union | 25.8 | 39.2 | 63.0 | 21.7 | 11.0 | 90.4 | 277 | 10.6 | 250 | 14.0 | 60.7 | 255 |
| Never married/in union | 28.0 | 40.7 | 62.2 | 15.8 | 9.4 | 17.9 | 5,607 | 18.3 | 1,004 | 12.1 | 55.4 | 5,003 |

Table HA.7M: Key HIV and AIDS indicators (young men) continued

| Percentage of men age 15-24 years by key HIV and AIDS indicators, Nigeria, 2016-17 | | | | | | | | | | | | | |
|--|---|---|------------------------------------|---|--|-------------------------------|-------|-------------------------------|---|---|---|---|--|
| | Percentage of men age 15-24 years who: | | | | | | | Number of men age 15-24 years | Percentage of sexually active young men who have been tested for HIV in the last 12 months and know the result ² | Number of men age 15-24 years who had sex in the last 12 months | Percentage who express attitudes towards people living with HIV on all four indicators ^a | Percentage who report discriminatory attitudes towards people living with HIV [a] | Number of men age 15-24 years who have heard of AIDS |
| | Have comprehensive knowledge ¹ | Know all three means of HIV transmission from mother to child | Know a place to get tested for HIV | Have ever been tested and know the result of the most recent test | Have been tested for HIV in the last 12 months and know the result | Had sex in the last 12 months | | | | | | | |
| Education | | | | | | | | | | | | | |
| None | 13.5 | 36.0 | 48.9 | 1.9 | 1.2 | 14.5 | 537 | 2.7 | 78 | 18.2 | 59.6 | 404 | |
| Non-formal | 23.6 | 23.3 | 42.7 | 1.6 | 0.3 | 8.7 | 673 | 1.3 | 58 | 10.4 | 59.9 | 515 | |
| Primary | 16.0 | 29.5 | 47.2 | 8.8 | 5.5 | 17.0 | 563 | 7.6 | 96 | 13.0 | 66.4 | 455 | |
| Secondary | 30.1 | 45.3 | 66.6 | 17.9 | 11.2 | 22.6 | 3,568 | 18.3 | 805 | 11.1 | 55.4 | 3,348 | |
| Higher | 44.9 | 47.3 | 86.8 | 43.7 | 22.0 | 40.0 | 544 | 24.3 | 218 | 16.0 | 40.8 | 539 | |
| Wealth index quintile | | | | | | | | | | | | | |
| Poorest | 16.2 | 29.7 | 45.8 | 5.2 | 4.0 | 12.8 | 1,106 | 7.4 | 141 | 13.5 | 63.4 | 840 | |
| Second | 21.0 | 36.5 | 56.0 | 10.7 | 6.5 | 16.0 | 1,132 | 13.7 | 182 | 16.0 | 56.4 | 965 | |
| Middle | 32.8 | 41.2 | 61.0 | 14.1 | 8.7 | 21.4 | 1,226 | 11.6 | 263 | 12.0 | 53.5 | 1,128 | |
| Fourth | 28.3 | 47.8 | 68.2 | 21.2 | 12.5 | 24.9 | 1,219 | 22.4 | 304 | 10.5 | 52.4 | 1,149 | |
| Richest | 39.6 | 46.8 | 78.6 | 28.1 | 15.1 | 30.3 | 1,203 | 21.0 | 365 | 10.1 | 54.6 | 1,178 | |
| Ethnicity of household head | | | | | | | | | | | | | |
| Hausa | 23.5 | 37.0 | 54.6 | 6.6 | 2.9 | 10.2 | 2,786 | 4.7 | 283 | 15.4 | 53.6 | 2,358 | |
| Igbo | 35.8 | 38.4 | 74.7 | 22.9 | 13.0 | 37.0 | 556 | 19.3 | 205 | 9.9 | 58.8 | 535 | |
| Yoruba | 30.9 | 47.6 | 57.1 | 14.8 | 6.4 | 36.1 | 701 | 9.0 | 253 | 4.5 | 72.1 | 650 | |
| Other ethnic group | 30.9 | 44.2 | 72.1 | 29.0 | 19.5 | 27.8 | 1,844 | 26.3 | 512 | 11.5 | 51.2 | 1,717 | |
| ¹ MICS indicator 9.1; MDG indicator 6.3 - Knowledge about HIV prevention among young men ^[M] ² MICS indicator 9.6 - Sexually active young men who have been tested for HIV and know the results ^[M] | | | | | | | | | | | | | |
| ^a Refer to Table HA.3M for the four indicators. | | | | | | | | | | | | | |

Table HA.7M: Key HIV and AIDS indicators (young men) continued.

Percentage of men age 15-24 years by key HIV and AIDS indicators, Nigeria, 2016-17

| | Percentage of men age 15-24 years who: | | | | | | | | | | | |
|--------------|---|---|------------------------------------|---|--|-------------------------------|-------------------------------|---|---|---|---|--|
| | Have comprehensive knowledge ¹ | Know all three means of HIV transmission from mother to child | Know a place to get tested for HIV | Have ever been tested and know the result of the most recent test | Have been tested for HIV in the last 12 months and know the result | Had sex in the last 12 months | Number of men age 15-24 years | Percentage of sexually active young men who have been tested for HIV in the last 12 months and know the result ² | Number of men age 15-24 years who had sex in the last 12 months | Percentage who express attitudes towards people living with HIV on all four indicators ^a | Percentage who report discriminatory attitudes towards people living with HIV [a] | Number of men age 15-24 years who have heard of AIDS |
| Total | 27.9 | 40.6 | 62.3 | 16.1 | 9.5 | 21.3 | 5,887 | 16.8 | 1,254 | 12.2 | 55.6 | 5,260 |
| State | | | | | | | | | | | | |
| Abia | 32.8 | 43.1 | 72.7 | 12.7 | 6.6 | 29.0 | 54 | (10.9) | 16 | 4.5 | 85.7 | 50 |
| Adamawa | 55.4 | 52.2 | 61.8 | 14.2 | 12.7 | 22.9 | 158 | (18.0) | 36 | 17.0 | 32.5 | 145 |
| Akwa Ibom | 27.0 | 48.7 | 67.6 | 25.2 | 8.0 | 33.4 | 138 | 8.4 | 46 | 14.5 | 55.7 | 131 |
| Anambra | 18.4 | 32.7 | 89.1 | 8.2 | 1.8 | 30.5 | 92 | (0.0) | 28 | 3.3 | 54.9 | 92 |
| Bauchi | 25.7 | 68.6 | 89.5 | 3.2 | 1.7 | 9.6 | 286 | (*) | 27 | 52.7 | 42.5 | 280 |
| Bayelsa | 27.9 | 44.6 | 66.1 | 21.4 | 8.1 | 45.4 | 43 | 12.5 | 19 | 9.0 | 82.2 | 36 |
| Benue | 28.2 | 71.6 | 95.1 | 74.3 | 71.0 | 16.6 | 184 | (85.9) | 31 | 2.8 | 16.6 | 184 |
| Borno | 61.7 | 65.7 | 97.7 | 10.7 | 3.4 | 1.7 | 294 | (*) | 5 | 0.0 | 7.5 | 294 |
| Cross River | 46.6 | 44.9 | 75.9 | 32.9 | 23.1 | 45.5 | 102 | 31.5 | 46 | 24.1 | 52.9 | 100 |
| Delta | 28.2 | 58.7 | 70.3 | 19.5 | 9.9 | 48.8 | 99 | 16.8 | 48 | 5.8 | 79.2 | 97 |
| Ebonyi | 39.1 | 25.0 | 70.4 | 30.4 | 6.0 | 33.1 | 57 | (13.8) | 19 | 6.5 | 65.7 | 52 |
| Edo | 30.0 | 36.2 | 89.8 | 31.5 | 21.9 | 20.8 | 67 | (32.6) | 14 | 3.7 | 36.0 | 66 |
| Ekiti | 26.2 | 63.3 | 51.8 | 10.9 | 7.9 | 29.8 | 31 | (*) | 9 | 2.7 | 73.0 | 29 |
| Enugu | 52.0 | 52.0 | 80.0 | 25.1 | 7.1 | 44.3 | 83 | 11.2 | 37 | 28.5 | 43.6 | 83 |
| Gombe | 28.6 | 35.4 | 55.8 | 7.3 | 2.4 | 12.5 | 118 | (3.5) | 15 | 21.2 | 49.0 | 88 |
| Imo | 34.1 | 33.8 | 56.9 | 18.8 | 13.8 | 41.2 | 98 | (29.3) | 40 | 7.6 | 64.4 | 92 |
| Jigawa | 12.6 | 19.1 | 36.6 | 2.7 | 0.3 | 10.2 | 214 | (*) | 22 | 2.2 | 72.5 | 125 |

Table HA.7M: Key HIV and AIDS indicators (young men) continued.

Percentage of men age 15-24 years by key HIV and AIDS indicators, Nigeria, 2016-17

| | Percentage of men age 15-24 years who: | | | | | | | | | | Percentage who express attitudes towards people living with HIV on all four indicators ^a | Percentage who report discriminatory attitudes towards people living with HIV [a] | Number of men age 15-24 who have heard of AIDS |
|-----------|---|---|------------------------------------|---|--|-------------------------------|-------------------------------|---|---|------|---|---|--|
| | Have comprehensive knowledge ¹ | Know all three means of HIV transmission from mother to child | Know a place to get tested for HIV | Have ever been tested and know the result of the most recent test | Have been tested for HIV in the last 12 months and know the result | Had sex in the last 12 months | Number of men age 15-24 years | Percentage of sexually active young men who have been tested for HIV in the last 12 months and know the result ² | Number of men age 15-24 years who had sex in the last 12 months | | | | |
| Kaduna | 10.1 | 24.2 | 35.9 | 13.2 | 5.4 | 16.4 | 361 | (17.5) | 59 | 5.5 | 72.7 | 324 | |
| Kano | 23.3 | 33.1 | 40.2 | 7.3 | 4.2 | 13.2 | 452 | 8.5 | 59 | 20.7 | 40.6 | 404 | |
| Katsina | 36.5 | 39.6 | 61.8 | 2.3 | 0.0 | 10.8 | 263 | (*) | 28 | 11.4 | 56.8 | 243 | |
| Kebbi | 3.7 | 21.9 | 47.7 | 9.7 | 5.7 | 9.7 | 180 | (*) | 17 | 6.0 | 67.8 | 124 | |
| Kogi | 7.4 | 34.2 | 26.2 | 16.0 | 4.4 | 42.2 | 126 | 10.5 | 53 | 6.4 | 83.9 | 105 | |
| Kwara | 34.4 | 58.0 | 78.7 | 14.8 | 7.1 | 33.0 | 93 | (10.3) | 31 | 5.1 | 57.4 | 80 | |
| Lagos | 40.3 | 42.9 | 78.0 | 26.6 | 14.8 | 34.5 | 226 | 18.7 | 78 | 8.5 | 58.6 | 224 | |
| Nasarawa | 17.3 | 34.9 | 62.6 | 36.3 | 28.9 | 28.8 | 139 | 44.5 | 40 | 15.9 | 58.5 | 119 | |
| Niger | 10.0 | 24.2 | 55.8 | 8.8 | 2.2 | 15.9 | 239 | (2.1) | 38 | 6.4 | 71.9 | 209 | |
| Ogun | 38.2 | 51.2 | 50.7 | 14.2 | 4.8 | 48.6 | 83 | 4.6 | 40 | 4.1 | 90.4 | 77 | |
| Ondo | 31.3 | 62.7 | 42.7 | 1.3 | 1.3 | 49.0 | 92 | (2.7) | 45 | 0.0 | 88.8 | 90 | |
| Osun | 17.1 | 58.3 | 57.4 | 12.6 | 6.5 | 37.8 | 135 | (13.2) | 51 | 2.7 | 81.0 | 132 | |
| Oyo | 26.7 | 23.0 | 34.5 | 14.0 | 2.5 | 34.8 | 168 | (1.9) | 59 | 0.0 | 72.0 | 137 | |
| Plateau | 30.6 | 28.7 | 86.8 | 17.3 | 5.6 | 15.3 | 272 | (12.3) | 42 | 10.2 | 64.7 | 268 | |
| Rivers | 68.3 | 67.2 | 93.3 | 58.7 | 46.3 | 55.2 | 152 | 47.7 | 84 | 11.5 | 47.3 | 152 | |
| Sokoto | 7.1 | 15.7 | 47.3 | 6.4 | 3.8 | 6.6 | 152 | (*) | 10 | 16.6 | 69.4 | 101 | |
| Taraba | 15.0 | 28.6 | 52.8 | 24.6 | 15.1 | 24.7 | 91 | (27.0) | 22 | 8.3 | 63.1 | 67 | |
| Yobe | 30.0 | 17.4 | 56.5 | 6.4 | 3.8 | 2.7 | 247 | (*) | 7 | 28.1 | 49.8 | 185 | |
| Zamfara | 17.0 | 51.1 | 46.7 | 5.4 | 4.0 | 9.3 | 248 | (*) | 23 | 10.2 | 59.2 | 222 | |
| FCT-Abuja | 33.3 | 59.8 | 91.5 | 42.3 | 28.0 | 16.8 | 52 | (26.5) | 9 | 5.6 | 55.3 | 50 | |

¹ MICS indicator 9.1; MDG indicator 6.3 - Knowledge about HIV prevention among young men^[M]

² MICS indicator 9.6 - Sexually active young men who have been tested for HIV and know the results^[M]

^a Refer to Table HA.3M for the four indicators.

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table HA.8: Key sexual behaviour indicators (young women)

Percentage of women age 15-24 years by key sexual behaviour indicators, Nigeria, 2016-17

| | Percentage of women age 15-24 years who: | | | | | Percentage of women age 15-24 years who in the last 12 months had sex with: | | | | Percentage reporting the use of a condom during the last sexual intercourse with a non-marital, non-cohabiting partner in the last 12 months ⁵ | Number of women age 15-24 years who had sex with a non-marital, non-cohabiting partner in last 12 months | Percentage reporting that a condom was used the last time they had sex | Number of women age 15-24 years who had sex with more than one partner in the last 12 months |
|--------------------------|--|--------------|--|---------------------------------|--|---|---|--|---|---|--|--|--|
| | Had sex before age 15 ¹ | Ever had sex | Had sex with more than one partner in last 12 months | Number of women age 15-24 years | Percentage of women who never had sex ² | Number of never-married women age 15-24 years | A man 10 or more years older ³ | A non-marital, non-cohabiting partner ⁴ | Number of women age 15-24 years who had sex in the last 12 months | | | | |
| Total | 15.1 | 57.2 | 2.4 | 12,637 | 74.8 | 7,222 | 41.2 | 12.4 | 6,655 | 46.6 | 1,567 | 45.9 | 298 |
| Geopolitical zone | | | | | | | | | | | | | |
| North Central | 10.2 | 55.6 | 3.3 | 2,212 | 70.6 | 1,380 | 34.7 | 16.1 | 1,139 | 49.1 | 355 | 55.0 | 74 |
| North East | 18.0 | 56.1 | 1.5 | 2,533 | 89.5 | 1,242 | 45.1 | 4.2 | 1,350 | 21.2 | 105 | 17.6 | 37 |
| North West | 23.3 | 63.1 | 0.5 | 4,208 | 93.2 | 1,663 | 55.1 | 3.0 | 2,519 | 27.3 | 127 | 40.5 | 20 |
| South East | 6.1 | 46.0 | 5.6 | 921 | 64.4 | 773 | 28.1 | 25.1 | 355 | 60.5 | 231 | 55.4 | 52 |
| South South | 7.9 | 56.8 | 4.5 | 1,290 | 55.3 | 1,007 | 21.3 | 31.0 | 653 | 46.0 | 400 | 43.1 | 58 |
| South West | 6.0 | 51.7 | 3.8 | 1,474 | 61.5 | 1,157 | 17.8 | 23.6 | 639 | 50.2 | 347 | 48.7 | 56 |
| Residence | | | | | | | | | | | | | |
| Urban | 7.4 | 42.8 | 2.8 | 4,631 | 75.3 | 3,516 | 33.4 | 15.2 | 1,734 | 56.0 | 703 | 54.6 | 130 |
| Rural | 19.6 | 65.5 | 2.1 | 8,007 | 74.3 | 3,705 | 44.0 | 10.8 | 4,921 | 38.9 | 864 | 39.1 | 167 |
| Age (years) | | | | | | | | | | | | | |
| 15-19 | 12.5 | 34.7 | 1.4 | 6,822 | 85.3 | 5,208 | 38.2 | 9.9 | 2,135 | 40.5 | 674 | 42.7 | 96 |
| 15-17 | 11.2 | 23.6 | 0.7 | 4,379 | 90.7 | 3,679 | 37.5 | 7.3 | 907 | 34.3 | 318 | 31.2 | 32 |
| 18-19 | 14.9 | 54.7 | 2.6 | 2,442 | 72.3 | 1,529 | 38.8 | 14.6 | 1,228 | 46.0 | 356 | 48.5 | 63 |
| 20-24 | 18.1 | 83.5 | 3.5 | 5,816 | 47.6 | 2,013 | 42.7 | 15.4 | 4,520 | 51.2 | 893 | 47.4 | 202 |
| 20-22 | 18.4 | 81.0 | 3.5 | 3,924 | 51.7 | 1,440 | 45.8 | 14.9 | 2,967 | 50.9 | 585 | 49.8 | 137 |
| 23-24 | 17.6 | 88.7 | 3.4 | 1,892 | 37.4 | 573 | 36.7 | 16.2 | 1,553 | 51.6 | 307 | 42.5 | 65 |
| Marital status | | | | | | | | | | | | | |
| Ever married/in union | 30.8 | 100.0 | 1.2 | 5,365 | na | na | 49.3 | 2.0 | 5,202 | 31.8 | 109 | 15.0 | 62 |
| Never married/in union | 3.5 | 25.2 | 3.3 | 7,222 | 74.8 | 7,222 | 12.4 | 19.7 | 1,448 | 48.9 | 1,420 | 54.1 | 236 |

Table HA.8: Key sexual behaviour indicators (young women) (continued)

Percentage of women age 15-24 years by key sexual behaviour indicators, Nigeria, 2016-17

| | Percentage of women age 15-24 years who: | | | | Percentage of women age 15-24 years who in the last 12 months had sex with: | | | | Number of women age 15-24 years who had sex in the last 12 months | Percentage reporting the use of a condom during the last sexual intercourse with a non-marital, non-cohabiting partner in the last 12 months ⁵ | Number of women age 15-24 years who had sex with a non-marital, non-cohabiting partner in last 12 months | Percentage reporting that a condom was used the last time they had sex | Number of women age 15-24 years who had sex with more than one partner in the last 12 months |
|------------------------------------|--|--------------|--|---------------------------------|---|---|---|--|---|---|--|--|--|
| | Had sex before age 15 ¹ | Ever had sex | Had sex with more than one partner in last 12 months | Number of women age 15-24 years | Percentage of women who never had sex ² | Number of never-married women age 15-24 years | A man 10 or more years older ³ | A non-marital, non-cohabiting partner ⁴ | | | | | |
| Education | | | | | | | | | | | | | |
| None | 29.3 | 80.3 | 1.2 | 2,215 | 89.3 | 487 | 49.8 | 2.9 | 1,701 | 13.2 | 64 | 12.0 | 26 |
| Non-formal | 32.8 | 77.9 | 0.5 | 1,734 | 97.4 | 389 | 57.0 | 0.7 | 1,315 | 20.7 | 13 | 21.8 | 8 |
| Primary | 19.8 | 64.1 | 2.1 | 1,313 | 82.4 | 570 | 43.0 | 7.7 | 794 | 25.3 | 102 | 29.0 | 27 |
| Secondary | 6.1 | 42.2 | 2.6 | 6,501 | 74.4 | 5,051 | 29.3 | 16.8 | 2,416 | 46.2 | 1,092 | 47.6 | 171 |
| Higher | 3.8 | 58.4 | 7.4 | 874 | 50.1 | 726 | 22.9 | 34.0 | 429 | 63.4 | 297 | 65.0 | 65 |
| Wealth index quintile | | | | | | | | | | | | | |
| Poorest | 29.8 | 71.1 | 1.0 | 1,988 | 87.8 | 648 | 48.0 | 3.9 | 1,362 | 21.0 | 77 | 33.1 | 21 |
| Second | 23.1 | 68.5 | 1.7 | 2,507 | 78.7 | 999 | 45.3 | 8.3 | 1,619 | 27.8 | 208 | 30.8 | 42 |
| Middle | 13.4 | 57.1 | 2.2 | 2,711 | 76.7 | 1,514 | 46.3 | 11.1 | 1,430 | 36.2 | 301 | 38.6 | 59 |
| Fourth | 9.3 | 50.2 | 3.0 | 2,636 | 72.3 | 1,814 | 32.1 | 16.6 | 1,183 | 48.4 | 437 | 43.8 | 80 |
| Richest | 4.6 | 43.7 | 3.4 | 2,796 | 70.1 | 2,247 | 29.8 | 19.5 | 1,062 | 61.7 | 544 | 61.6 | 95 |
| Ethnicity of household head | | | | | | | | | | | | | |
| Hausa | 21.4 | 61.7 | 0.7 | 6,088 | 94.1 | 2,476 | 52.3 | 2.8 | 3,580 | 23.2 | 169 | 25.3 | 40 |
| Igbo | 5.5 | 47.1 | 4.9 | 1,256 | 63.9 | 1,040 | 28.2 | 24.9 | 498 | 56.9 | 313 | 50.1 | 62 |
| Yoruba | 5.9 | 49.3 | 3.9 | 1,424 | 63.1 | 1,143 | 15.8 | 23.7 | 596 | 51.5 | 338 | 51.0 | 56 |
| Other ethnic group | 11.7 | 56.3 | 3.6 | 3,869 | 65.8 | 2,563 | 32.3 | 19.3 | 1,981 | 45.3 | 747 | 47.9 | 140 |

¹ MICS indicator 9.10 - Sex before age 15 among young women

² MICS indicator 9.9 - Young women who have never had sex

³ MICS indicator 9.11 - Age-mixing among sexual partners

⁴ MICS indicator 9.14 - Sex with non-regular partners

⁵ MICS indicator 9.15; MDG indicator 6.2 - Condom use with non-regular partners

na: not applicable

Table HA.8: Key sexual behaviour indicators (young women) continued

Percentage of women age 15-24 years by key sexual behaviour indicators, Nigeria, 2016-17

| | Percentage of women age 15-24 years who: | | | Number of women age 15-24 years | Percentage of women who never had sex ² | Number of never-married women age 15-24 years | Percentage of women age 15-24 years who in the last 12 months had sex with: | | Number of women age 15-24 years who had sex in the last 12 months | Percentage reporting the use of a condom during the last sexual intercourse with a non-marital, non-cohabiting partner in the last 12 months ⁵ | Number of women age 15-24 years who had sex with a non-marital, non-cohabiting partner in last 12 months | Percentage reporting that a condom was used the last time they had sex | Number of women age 15-24 years who had sex with more than one partner in the last 12 months |
|--------------|--|--------------|--|---------------------------------|--|---|---|--|---|---|--|--|--|
| | Had sex before age 15 ¹ | Ever had sex | Had sex with more than one partner in last 12 months | | | | A man 10 or more years older ³ | A non-marital, non-cohabiting partner ⁴ | | | | | |
| Total | 15.1 | 57.2 | 2.4 | 12,637 | 74.8 | 7,222 | 41.2 | 12.4 | 6,655 | 46.6 | 1,567 | 45.9 | 298 |
| State | | | | | | | | | | | | | |
| Abia | 6.6 | 50.4 | 2.2 | 108 | 60.6 | 89 | 19.0 | 24.4 | 42 | 53.5 | 26 | (*) | 2 |
| Adamawa | 16.7 | 59.0 | 4.0 | 310 | 77.7 | 163 | 53.8 | 10.7 | 176 | (25.3) | 33 | (*) | 12 |
| Akwa Ibom | 9.5 | 64.6 | 2.9 | 325 | 48.0 | 239 | 14.1 | 33.7 | 190 | 49.7 | 110 | (*) | 10 |
| Anambra | 4.8 | 48.8 | 10.6 | 228 | 61.0 | 191 | 27.0 | 30.2 | 96 | 66.0 | 69 | (67.6) | 24 |
| Bauchi | 21.6 | 69.9 | 0.2 | 607 | 94.4 | 194 | 44.4 | 1.2 | 416 | (*) | 8 | (*) | 1 |
| Bayelsa | 16.2 | 74.0 | 4.9 | 90 | 38.0 | 62 | 25.3 | 43.4 | 62 | 32.3 | 39 | (*) | 4 |
| Benue | 14.1 | 68.8 | 5.5 | 368 | 50.4 | 228 | 30.3 | 28.0 | 238 | 53.7 | 103 | (*) | 20 |
| Borno | 15.8 | 42.0 | 1.0 | 783 | 94.3 | 482 | 35.8 | 2.0 | 309 | (*) | 16 | (*) | 8 |
| Cross River | 10.3 | 56.5 | 5.1 | 248 | 54.9 | 196 | 19.9 | 29.0 | 119 | 47.3 | 72 | (*) | 13 |
| Delta | 5.0 | 51.2 | 4.5 | 202 | 63.4 | 155 | 18.2 | 27.7 | 95 | 28.0 | 56 | (*) | 9 |
| Ebonyi | 7.7 | 39.6 | 3.6 | 167 | 71.8 | 140 | 35.9 | 18.2 | 50 | 27.5 | 30 | (*) | 6 |
| Edo | 1.9 | 42.2 | 2.2 | 163 | 67.0 | 141 | 28.3 | 24.5 | 61 | 59.3 | 40 | (*) | 4 |
| Ekiti | 4.2 | 53.1 | 2.3 | 67 | 59.5 | 53 | 19.1 | 21.8 | 24 | (41.0) | 14 | (*) | 2 |
| Enugu | 6.0 | 43.7 | 6.0 | 198 | 65.9 | 170 | 36.9 | 22.9 | 71 | 57.6 | 45 | (*) | 12 |
| Gombe | 22.5 | 63.0 | 0.4 | 232 | 90.1 | 95 | 38.9 | 3.8 | 123 | (*) | 9 | (*) | 1 |
| Imo | 6.2 | 47.8 | 3.5 | 220 | 62.7 | 183 | 22.7 | 27.4 | 96 | 75.9 | 60 | (*) | 8 |
| Jigawa | 15.0 | 72.5 | 0.3 | 481 | 95.2 | 139 | 45.1 | 7.4 | 310 | (0.0) | 35 | (*) | 1 |
| Kaduna | 21.5 | 55.6 | 0.7 | 859 | 82.3 | 463 | 38.5 | 7.5 | 448 | (48.7) | 64 | (*) | 6 |

Table HA.8: Key sexual behaviour indicators (young women) continued

Percentage of women age 15-24 years by key sexual behaviour indicators, Nigeria, 2016-17

| | Percentage of women age 15-24 years who: | | | Number of women age 15-24 years | Percentage of women who never had sex ² | Number of never-married women age 15-24 years | Percentage of women age 15-24 years who in the last 12 months had sex with: | | Number of women age 15-24 years who had sex in the last 12 months | Percentage reporting the use of a condom during the last sexual intercourse with a non-marital, non-cohabiting partner in the last 12 months ⁵ | Number of women age 15-24 years who had sex with a non-marital, non-cohabiting partner in last 12 months | Percentage reporting that a condom was used the last time they had sex | Number of women age 15-24 years who had sex with more than one partner in the last 12 months |
|-----------|--|--------------|--|---------------------------------|--|---|---|--|---|---|--|--|--|
| | Had sex before age 15 ¹ | Ever had sex | Had sex with more than one partner in last 12 months | | | | A man 10 or more years older ³ | A non-marital, non-cohabiting partner ⁴ | | | | | |
| Kano | 15.5 | 55.3 | 0.4 | 971 | 98.6 | 440 | 60.8 | 0.3 | 528 | (*) | 3 | (*) | 4 |
| Katsina | 26.8 | 71.0 | 0.7 | 729 | 96.9 | 218 | 58.6 | 1.2 | 501 | (*) | 9 | (*) | 5 |
| Kebbi | 16.4 | 57.5 | 0.2 | 361 | 97.4 | 156 | 56.4 | 3.3 | 188 | (*) | 12 | (*) | 1 |
| Kogi | 11.2 | 54.3 | 2.5 | 249 | 54.7 | 208 | 17.0 | 30.6 | 110 | 32.1 | 76 | (*) | 6 |
| Kwara | 7.0 | 54.4 | 4.3 | 155 | 73.0 | 97 | 26.0 | 17.8 | 82 | (79.9) | 28 | (*) | 7 |
| Lagos | 2.9 | 53.1 | 5.1 | 488 | 57.3 | 400 | 17.0 | 27.0 | 218 | 64.9 | 132 | (*) | 25 |
| Nasarawa | 10.4 | 56.4 | 4.4 | 283 | 75.9 | 163 | 47.4 | 12.5 | 148 | 38.7 | 35 | (*) | 13 |
| Niger | 11.9 | 57.4 | 1.9 | 534 | 84.2 | 261 | 42.3 | 6.3 | 295 | (51.4) | 34 | (*) | 10 |
| Ogun | 5.4 | 51.2 | 1.3 | 155 | 67.8 | 112 | 22.7 | 15.8 | 65 | (54.0) | 24 | (*) | 2 |
| Ondo | 10.2 | 52.0 | 5.0 | 206 | 59.5 | 166 | 21.4 | 29.4 | 92 | 42.0 | 61 | (*) | 10 |
| Osun | 9.2 | 47.4 | 5.5 | 250 | 68.6 | 192 | 16.3 | 20.1 | 101 | (31.3) | 50 | (*) | 14 |
| Oyo | 6.4 | 52.9 | 1.2 | 308 | 61.9 | 234 | 15.4 | 21.3 | 138 | (43.2) | 65 | (*) | 4 |
| Plateau | 6.7 | 46.0 | 2.2 | 497 | 81.5 | 330 | 33.0 | 10.6 | 213 | (53.6) | 53 | (*) | 11 |
| Rivers | 7.0 | 54.9 | 7.1 | 262 | 55.3 | 214 | 30.4 | 32.0 | 127 | 52.3 | 84 | (*) | 19 |
| Sokoto | 35.6 | 71.5 | 0.2 | 320 | 95.1 | 96 | 65.8 | 0.9 | 215 | (*) | 3 | (*) | 1 |
| Taraba | 9.9 | 59.7 | 7.1 | 207 | 64.5 | 129 | 39.0 | 19.0 | 115 | 25.4 | 39 | (*) | 15 |
| Yobe | 19.6 | 54.5 | 0.0 | 393 | 100.0 | 179 | 60.0 | 0.2 | 212 | (*) | 1 | | |
| Zamfara | 41.5 | 69.6 | 0.6 | 486 | 98.5 | 150 | 64.8 | 0.1 | 329 | (*) | 1 | (*) | 3 |
| FCT-Abuja | 7.7 | 49.3 | 5.7 | 126 | 67.5 | 94 | 33.1 | 21.4 | 52 | 49.6 | 27 | (70.4) | 7 |

¹ MICS indicator 9.10 - Sex before age 15 among young women

² MICS indicator 9.9 - Young women who have never had sex

³ MICS indicator 9.11 - Age-mixing among sexual partners

⁴ MICS indicator 9.14 - Sex with non-regular partners

⁵ MICS indicator 9.15; MDG indicator 6.2 - Condom use with non-regular partners

na: not applicable

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table HA.8M: Key sexual behaviour indicators (young men)

Percentage of men age 15-24 years by key sexual behaviour indicators, Nigeria, 2016-17

| | Percentage of men age 15-24 years who: | | Had sex with more than one partner in last 12 months | Number of men age 15-24 years | Percentage of men who never had sex ² | Number of never-married men age 15-24 years | Percentage who in the last 12 months had sex with a non-marital, non-cohabiting partner ³ | Number of men age 15-24 years who had sex in the last 12 months | Percentage reporting the use of a condom during the last sexual intercourse with a non-marital, non-cohabiting partner in the last 12 months ⁴ | Number of men age 15-24 years who had sex with a non-marital, non-cohabiting partner in last 12 months | Percentage reporting that a condom was used the last time they had sex | Number of men age 15-24 years who had sex with more than one partner in the last 12 months |
|--------------------------|--|--------------|--|-------------------------------|--|---|--|---|---|--|--|--|
| | Had sex before age 15 ¹ | Ever had sex | | | | | | | | | | |
| Total | 4.1 | 25.1 | 5.6 | 5,887 | 78.4 | 5,607 | 17.1 | 1,254 | 61.4 | 1,004 | 59.7 | 332 |
| Geopolitical zone | | | | | | | | | | | | |
| North Central | 3.5 | 25.7 | 4.4 | 1,105 | 78.2 | 1,048 | 17.8 | 243 | 62.1 | 197 | (62.6) | 48 |
| North East | 2.5 | 10.7 | 1.1 | 1,193 | 93.7 | 1,128 | 5.2 | 112 | 21.5 | 62 | 27.8 | 13 |
| North West | 1.3 | 13.4 | 1.3 | 1,869 | 91.2 | 1,767 | 6.3 | 219 | 63.7 | 118 | 70.0 | 25 |
| South East | 5.0 | 44.2 | 11.2 | 384 | 56.9 | 376 | 34.2 | 140 | 74.6 | 131 | 78.4 | 43 |
| South South | 8.2 | 50.0 | 14.2 | 601 | 51.9 | 579 | 40.3 | 258 | 61.2 | 242 | 54.2 | 85 |
| South West | 11.1 | 46.8 | 16.1 | 735 | 55.2 | 709 | 34.6 | 282 | 63.0 | 254 | 56.8 | 119 |
| Residence | | | | | | | | | | | | |
| Urban | 4.9 | 25.2 | 7.8 | 2,128 | 76.4 | 2,081 | 19.0 | 440 | 70.1 | 405 | 60.6 | 166 |
| Rural | 3.7 | 25.0 | 4.4 | 3,759 | 79.6 | 3,527 | 15.9 | 814 | 55.6 | 599 | 58.7 | 166 |
| Age (years) | | | | | | | | | | | | |
| 15-19 | 3.3 | 12.1 | 1.9 | 3,508 | 88.4 | 3,482 | 8.9 | 337 | 51.3 | 311 | 62.0 | 68 |
| 15-17 | 3.0 | 7.4 | 0.9 | 2,352 | 92.8 | 2,338 | 5.2 | 132 | 46.9 | 121 | 38.8 | 20 |
| 18-19 | 3.8 | 21.5 | 4.2 | 1,156 | 79.3 | 1,144 | 16.4 | 205 | 54.1 | 189 | 71.7 | 48 |
| 20-24 | 5.3 | 44.3 | 11.1 | 2,378 | 62.0 | 2,125 | 29.2 | 917 | 66.0 | 693 | 59.0 | 264 |
| 20-22 | 4.5 | 38.7 | 8.8 | 1,670 | 66.7 | 1,527 | 25.3 | 556 | 65.2 | 422 | 56.0 | 146 |
| 23-24 | 7.3 | 57.6 | 16.6 | 708 | 50.0 | 597 | 38.3 | 361 | 67.2 | 271 | 62.8 | 118 |
| Marital status | | | | | | | | | | | | |
| Ever married/in union | 8.6 | 95.3 | 9.3 | 277 | na | na | 16.1 | 250 | 46.9 | 44 | 20.9 | 26 |
| Never married/in union | 3.9 | 21.6 | 5.5 | 5,607 | 78.4 | 5,607 | 17.1 | 1,004 | 62.1 | 960 | 62.9 | 307 |

Table HA.8M: Key sexual behaviour indicators (young men) (continued)

Percentage of men age 15-24 years by key sexual behaviour indicators, Nigeria, 2016-17

| | Percentage of men age 15-24 years who: | | | Number of men age 15-24 years | Percentage of men who never had sex ² | Number of never-married men age 15-24 years | Percentage who in the last 12 months had sex with a non-marital, non-cohabiting partner ³ | Number of men age 15-24 years who had sex in the last 12 months | Percentage reporting the use of a condom during the last sexual intercourse with a non-marital, non-cohabiting partner in the last 12 months ⁴ | Number of men age 15-24 years who had sex with a non-marital, non-cohabiting partner in last 12 months | Percentage reporting that a condom was used the last time they had sex | Number of men age 15-24 years who had sex with more than one partner in the last 12 months |
|--|--|--------------|--|-------------------------------|--|---|--|---|---|--|--|--|
| | Had sex before age 15 ¹ | Ever had sex | Had sex with more than one partner in last 12 months | | | | | | | | | |
| Education | | | | | | | | | | | | |
| None | 1.0 | 16.0 | 0.5 | 537 | 94.8 | 467 | 4.2 | 78 | (14.0) | 23 | (*) | 3 |
| Non-formal | 0.7 | 10.0 | 0.7 | 673 | 95.2 | 634 | 2.7 | 58 | (*) | 18 | (*) | 5 |
| Primary | 3.4 | 20.5 | 4.3 | 563 | 84.2 | 531 | 12.0 | 96 | 49.7 | 68 | (*) | 24 |
| Secondary | 5.0 | 26.8 | 6.0 | 3,568 | 75.4 | 3,458 | 19.5 | 805 | 60.3 | 697 | 59.5 | 215 |
| Higher | 6.2 | 46.0 | 15.8 | 544 | 56.7 | 518 | 36.5 | 218 | 77.3 | 199 | 63.7 | 86 |
| Wealth index quintile | | | | | | | | | | | | |
| Poorest | 1.4 | 14.0 | 1.1 | 1,106 | 92.4 | 1,022 | 6.0 | 141 | 20.6 | 66 | (*) | 12 |
| Second | 2.6 | 18.3 | 2.2 | 1,132 | 87.3 | 1,056 | 10.0 | 182 | 47.8 | 114 | (60.1) | 25 |
| Middle | 4.5 | 24.9 | 5.2 | 1,226 | 78.2 | 1,172 | 17.5 | 263 | 61.2 | 215 | 54.7 | 63 |
| Fourth | 5.3 | 31.3 | 7.1 | 1,219 | 70.5 | 1,186 | 21.9 | 304 | 65.5 | 267 | 52.1 | 86 |
| Richest | 6.4 | 35.5 | 12.1 | 1,203 | 66.2 | 1,171 | 28.5 | 365 | 70.8 | 343 | 67.3 | 146 |
| Ethnicity of household head | | | | | | | | | | | | |
| Hausa | 1.3 | 11.7 | 1.1 | 2,786 | 92.8 | 2,639 | 5.3 | 283 | 54.8 | 148 | (75.5) | 32 |
| Igbo | 5.6 | 45.7 | 13.9 | 556 | 55.6 | 542 | 34.9 | 205 | 74.2 | 194 | 71.7 | 77 |
| Yoruba | 10.2 | 42.7 | 13.8 | 701 | 59.7 | 672 | 31.5 | 253 | 66.2 | 221 | 58.5 | 96 |
| Other ethnic group | 5.7 | 32.4 | 6.9 | 1,844 | 70.9 | 1,754 | 23.9 | 512 | 55.7 | 441 | 49.2 | 127 |
| ¹ MICS indicator 9.10 - Sex before age 15 among young men ^[M] ² MICS indicator 9.9 - Young men who have never had sex ^[M] ³ MICS indicator 9.14 - Sex with non-regular partners ^[M] ⁴ MICS indicator 9.15; MDG indicator 6.2 - Condom use with non-regular partners ^[M] | | | | | | | | | | | | |
| na: not applicable | | | | | | | | | | | | |

Table HA.8M: Key sexual behaviour indicators (young men) continued.

Percentage of men age 15-24 years by key sexual behaviour indicators, Nigeria, 2016-17

| | Percentage of men age 15-24 years who: | | | Number of men age 15-24 years | Percentage of men who never had sex ² | Number of never-married men age 15-24 years | Percentage who in the last 12 months had sex with a non-marital, non-cohabiting partner ³ | Number of men age 15-24 years who had sex in the last 12 months | Percentage reporting the use of a condom during the last sexual intercourse with a non-marital, non-cohabiting partner in the last 12 months ⁴ | Number of men age 15-24 years who had sex with a non-marital, non-cohabiting partner in last 12 months | Percentage reporting that a condom was used the last time they had sex | Number of men age 15-24 years who had sex with more than one partner in the last 12 months |
|--------------|--|--------------|--|-------------------------------|--|---|--|---|---|--|--|--|
| | Had sex before age 15 ¹ | Ever had sex | Had sex with more than one partner in last 12 months | | | | | | | | | |
| Total | 4.1 | 25.1 | 5.6 | 5,887 | 78.4 | 5,607 | 17.1 | 1,254 | 61.4 | 1,004 | 59.7 | 332 |
| State | | | | | | | | | | | | |
| Abia | 11.9 | 48.0 | 7.9 | 54 | 52.9 | 53 | (28.1) | 16 | (71.6) | 15 | (*) | 4 |
| Adamawa | 5.1 | 23.7 | 1.5 | 158 | 79.6 | 151 | (17.2) | 36 | (0.0) | 27 | (*) | 2 |
| Akwa Ibom | 5.9 | 46.7 | 6.9 | 138 | 56.6 | 130 | 31.4 | 46 | (48.6) | 43 | (*) | 10 |
| Anambra | 4.0 | 35.3 | 8.1 | 92 | 65.7 | 91 | (29.1) | 28 | 64.1 | 27 | (*) | 7 |
| Bauchi | 0.3 | 9.6 | 0.4 | 286 | 98.2 | 263 | (*) | 27 | (*) | 3 | (*) | 1 |
| Bayelsa | 30.1 | 55.8 | 20.5 | 43 | 47.1 | 40 | 42.1 | 19 | 50.8 | 18 | (33.2) | 9 |
| Benue | 1.7 | 21.1 | 3.6 | 184 | 83.8 | 173 | (12.1) | 31 | (*) | 22 | (*) | 7 |
| Borno | 0.0 | 1.7 | 0.0 | 294 | 100.0 | 286 | (*) | 5 | (*) | 0- | na | na |
| Cross River | 7.5 | 51.7 | 12.5 | 102 | 49.2 | 100 | 44.4 | 46 | 46.9 | 45 | (*) | 13 |
| Delta | 7.6 | 54.5 | 21.6 | 99 | 47.0 | 96 | 45.0 | 48 | (57.4) | 44 | (*) | 21 |
| Ebonyi | 0.0 | 34.6 | 6.1 | 57 | 67.9 | 55 | (28.7) | 19 | (76.8) | 16 | (*) | 3 |
| Edo | 2.4 | 23.1 | 4.6 | 67 | 78.1 | 66 | (18.7) | 14 | (58.5) | 13 | (*) | 3 |
| Ekiti | 13.1 | 45.4 | 9.2 | 31 | 54.6 | 31 | (*) | 9 | (*) | 9 | (*) | 3 |
| Enugu | 7.2 | 59.3 | 14.5 | 83 | 41.3 | 82 | 44.3 | 37 | 81.3 | 37 | (*) | 12 |
| Gombe | 0.9 | 13.8 | 1.5 | 118 | 92.5 | 110 | (6.4) | 15 | (*) | 7 | (*) | 2 |
| Imo | 3.3 | 43.4 | 16.0 | 98 | 57.9 | 96 | (37.1) | 40 | (75.9) | 37 | (*) | 16 |
| Jigawa | 0.7 | 10.7 | 1.4 | 214 | 96.0 | 199 | (*) | 22 | (*) | 7 | (*) | 3 |
| Kaduna | 3.2 | 19.0 | 1.9 | 361 | 86.5 | 333 | (9.6) | 59 | (65.9) | 35 | (*) | 7 |
| Kano | 0.4 | 14.9 | 2.4 | 452 | 86.2 | 443 | 11.1 | 59 | 80.3 | 50 | (*) | 11 |
| Katsina | 2.0 | 11.6 | 0.0 | 263 | 94.8 | 246 | (*) | 28 | (*) | 9 | na | na |

Table HA.8M: Key sexual behaviour indicators (young men) continued.

Percentage of men age 15-24 years by key sexual behaviour indicators, Nigeria, 2016-17

| State | Percentage of men age 15-24 years who: | | | Number of men age 15-24 years | Percentage of men who never had sex ² | Number of never-married men age 15-24 years | Percentage who in the last 12 months had sex with a non-marital, non-cohabiting partner ³ | Number of men age 15-24 years who had sex in the last 12 months | Percentage reporting the use of a condom during the last sexual intercourse with a non-marital, non-cohabiting partner in the last 12 months ⁴ | Number of men age 15-24 years who had sex with a non-marital, non-cohabiting partner in last 12 months | Percentage reporting that a condom was used the last time they had sex | Number of men age 15-24 years who had sex with more than one partner in the last 12 months |
|-----------|--|--------------|--|-------------------------------|--|---|--|---|---|--|--|--|
| | Had sex before age 15 ¹ | Ever had sex | Had sex with more than one partner in last 12 months | | | | | | | | | |
| Kebbi | 0.9 | 11.4 | 0.5 | 180 | 92.1 | 172 | (*) | 17 | (*) | 9 | (*) | 1 |
| Kogi | 6.3 | 44.2 | 16.5 | 126 | 58.3 | 121 | 38.1 | 53 | 53.3 | 48 | (50.1) | 21 |
| Kwara | 0.0 | 34.3 | 4.9 | 93 | 71.2 | 86 | (24.8) | 31 | (79.4) | 23 | (*) | 5 |
| Lagos | 3.7 | 38.7 | 12.3 | 226 | 63.8 | 217 | 32.3 | 78 | 74.5 | 73 | (67.6) | 28 |
| Nasarawa | 13.1 | 33.1 | 1.8 | 139 | 70.7 | 131 | 23.4 | 40 | (41.9) | 33 | (*) | 3 |
| Niger | 2.7 | 20.8 | 0.8 | 239 | 83.8 | 224 | (10.8) | 38 | (*) | 26 | (*) | 2 |
| Ogun | 23.6 | 59.5 | 24.1 | 83 | 42.5 | 79 | 47.8 | 40 | 65.1 | 40 | (*) | 20 |
| Ondo | 17.0 | 54.4 | 23.0 | 92 | 46.4 | 91 | (41.7) | 45 | (72.3) | 38 | (67.8) | 21 |
| Osun | 15.5 | 51.6 | 11.5 | 135 | 49.7 | 131 | (30.5) | 51 | (55.3) | 41 | (*) | 15 |
| Oyo | 7.6 | 43.6 | 18.6 | 168 | 59.2 | 160 | (31.7) | 59 | (41.5) | 53 | (*) | 31 |
| Plateau | 0.6 | 16.8 | 3.4 | 272 | 84.4 | 268 | (13.6) | 42 | (77.9) | 37 | (*) | 9 |
| Rivers | 7.6 | 59.4 | 19.6 | 152 | 42.0 | 147 | 51.7 | 84 | 81.3 | 79 | (79.4) | 30 |
| Sokoto | 0.0 | 6.6 | 0.8 | 152 | 99.2 | 143 | (*) | 10 | (*) | 0 | (*) | 1 |
| Taraba | 19.2 | 32.7 | 8.1 | 91 | 71.9 | 83 | (22.3) | 22 | (33.8) | 20 | (*) | 7 |
| Yobe | 0.8 | 5.0 | 0.0 | 247 | 98.4 | 235 | (*) | 7 | (*) | 4 | na | na |
| Zamfara | 1.0 | 12.2 | 0.8 | 248 | 94.3 | 231 | (*) | 23 | (*) | 7 | (*) | 2 |
| FCT-Abuja | 2.1 | 31.0 | 4.3 | 52 | 80.6 | 44 | (15.6) | 9 | (70.4) | 8 | (*) | 2 |

¹ MICS indicator 9.10 - Sex before age 15 among young men^[M]
² MICS indicator 9.9 - Young men who have never had sex^[M]
³ MICS indicator 9.14 - Sex with non-regular partners^[M]
⁴ MICS indicator 9.15; MDG indicator 6.2 - Condom use with non-regular partners^[M]

na: not applicable

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Orphans

Table HA.9: School attendance of orphans and non-orphans

School attendance of children age 10-14 years by orphanhood, Nigeria, 2016-17

| | Percentage of children whose mother and father have died (orphans) | Percentage of children whose parents are still alive and who are living with at least one parent (non-orphans) | Number of children age 10-14 years | Percentage of children whose mother and father have died (orphans) and are attending school | Total number of orphan children age 10-14 years | Percentage of children whose parents are still alive, who are living with at least one parent (non-orphans), and who are attending school | Total number of non-orphan children age 10-14 years | Orphans to non-orphans school attendance ratio ¹ |
|------------------|--|--|------------------------------------|---|---|---|---|---|
| Total | 0.7 | 83.4 | 24,773 | 79.2 | 175 | 78.4 | 20,657 | 1.0 |
| Sex | | | | | | | | |
| Male | 0.6 | 84.2 | 12,292 | 79.7 | 72 | 79.5 | 10,354 | 1.0 |
| Female | 0.8 | 82.6 | 12,481 | 78.8 | 102 | 77.3 | 10,304 | 1.0 |
| Residence | | | | | | | | |
| Urban | 0.9 | 79.3 | 8,165 | 85.3 | 77 | 93.1 | 6,473 | 0.9 |
| Rural | 0.6 | 85.4 | 16,608 | 74.4 | 98 | 71.8 | 14,185 | 1.0 |

¹ MICS indicator 9.16; MDG indicator 6.4 - Ratio of school attendance of orphans to school attendance of non-orphans

See Table CP.14 for further overall results related to children's living arrangements and orphanhood

Male circumcision

Table HA.10: Male circumcision

Percentage of men age 15-49 years who report having been circumcised, and percent distribution of men by age of circumcision, Nigeria, 2016-17

| | Percent circumcised ¹ | Number of men age 15-49 years | Age at circumcision: | | | | | | | Missing/ Don't know | Total | Number of men age 15-49 years who have been circumcised |
|------------------------------------|----------------------------------|-------------------------------|----------------------|-------------|-------------|-------------|-------------|-------------|------------|---------------------|--------------|---|
| | | | During infancy | 1-4 years | 5-9 years | 10-14 years | 15-19 years | 20-24 years | 25+ years | | | |
| Total | 98.5 | 15,183 | 26.3 | 12.4 | 44.1 | 1.8 | 0.2 | 0.1 | 0.0 | 15.1 | 100.0 | 14,950 |
| Geopolitical zone | | | | | | | | | | | | |
| North Central | 96.3 | 2,730 | 29.3 | 26.4 | 13.1 | 1.4 | 0.2 | 0.3 | 0.0 | 29.4 | 100.0 | 2,628 |
| North East | 99.1 | 2,943 | 4.6 | 10.4 | 80.1 | 2.5 | 0.2 | 0.1 | 0.0 | 2.0 | 100.0 | 2,917 |
| North West | 98.9 | 4,674 | 4.8 | 15.8 | 72.8 | 2.8 | 0.2 | 0.1 | 0.0 | 3.6 | 100.0 | 4,622 |
| South East | 98.9 | 984 | 44.5 | 0.9 | 11.1 | 0.2 | 0.0 | 0.1 | 0.0 | 43.2 | 100.0 | 973 |
| South South | 99.0 | 1,664 | 72.9 | 1.8 | 13.8 | 0.3 | 0.2 | 0.1 | 0.0 | 10.9 | 100.0 | 1,648 |
| South West | 98.8 | 2,189 | 54.0 | 3.9 | 9.9 | 1.1 | 0.3 | 0.0 | 0.0 | 30.8 | 100.0 | 2,162 |
| Residence | | | | | | | | | | | | |
| Urban | 98.5 | 5,627 | 31.9 | 10.8 | 35.8 | 1.5 | 0.1 | 0.1 | 0.0 | 19.7 | 100.0 | 5,544 |
| Rural | 98.4 | 9,556 | 23.0 | 13.3 | 49.0 | 2.0 | 0.3 | 0.1 | 0.0 | 12.4 | 100.0 | 9,407 |
| Age (years) | | | | | | | | | | | | |
| 15-24 | 98.2 | 5,887 | 26.2 | 14.2 | 42.9 | 1.4 | 0.1 | na | na | 15.2 | 100.0 | 5,779 |
| 15-19 | 98.3 | 3,508 | 25.2 | 14.4 | 43.7 | 1.4 | 0.1 | na | na | 15.2 | 100.0 | 3,448 |
| 20-24 | 98.0 | 2,378 | 27.5 | 13.9 | 41.8 | 1.4 | 0.2 | 0.1 | na | 15.1 | 100.0 | 2,330 |
| 25-29 | 98.7 | 2,191 | 24.8 | 13.5 | 45.0 | 2.1 | 0.2 | 0.1 | 0.0 | 14.3 | 100.0 | 2,163 |
| 30-39 | 98.7 | 4,014 | 27.8 | 11.4 | 43.5 | 1.7 | 0.2 | 0.1 | 0.0 | 15.2 | 100.0 | 3,961 |
| 40-49 | 98.6 | 3,092 | 25.5 | 9.4 | 46.5 | 2.5 | 0.3 | 0.2 | 0.0 | 15.6 | 100.0 | 3,048 |
| Education | | | | | | | | | | | | |
| None | 97.4 | 1,563 | 7.5 | 13.1 | 69.0 | 2.3 | 0.6 | 0.3 | 0.0 | 7.3 | 100.0 | 1,523 |
| Non-formal | 98.8 | 2,140 | 1.6 | 11.9 | 78.3 | 2.6 | 0.3 | 0.0 | 0.0 | 5.3 | 100.0 | 2,115 |
| Primary | 98.8 | 1,997 | 24.3 | 12.8 | 43.9 | 2.0 | 0.2 | 0.1 | 0.0 | 16.7 | 100.0 | 1,973 |
| Secondary | 98.4 | 6,861 | 35.0 | 12.4 | 32.1 | 1.4 | 0.1 | 0.1 | 0.0 | 18.8 | 100.0 | 6,753 |
| Higher | 98.7 | 2,622 | 36.1 | 12.0 | 32.9 | 1.6 | 0.1 | 0.3 | 0.0 | 16.9 | 100.0 | 2,587 |
| Wealth index quintile | | | | | | | | | | | | |
| Poorest | 98.1 | 2,614 | 5.5 | 14.6 | 69.8 | 2.8 | 0.2 | 0.2 | 0.0 | 7.0 | 100.0 | 2,565 |
| Second | 98.4 | 2,901 | 12.4 | 14.5 | 59.1 | 2.2 | 0.5 | 0.1 | 0.0 | 11.3 | 100.0 | 2,853 |
| Middle | 98.6 | 2,927 | 24.3 | 14.7 | 44.4 | 1.9 | 0.1 | 0.1 | 0.0 | 14.4 | 100.0 | 2,885 |
| Fourth | 98.4 | 3,202 | 35.9 | 11.6 | 33.5 | 1.3 | 0.2 | 0.1 | 0.0 | 17.5 | 100.0 | 3,149 |
| Richest | 98.8 | 3,539 | 45.8 | 7.8 | 22.4 | 1.0 | 0.1 | 0.2 | 0.0 | 22.8 | 100.0 | 3,497 |
| Ethnicity of household head | | | | | | | | | | | | |
| Hausa | 98.6 | 6,958 | 3.6 | 13.9 | 73.3 | 2.7 | 0.2 | 0.1 | 0.0 | 6.3 | 100.0 | 6,861 |
| Igbo | 98.7 | 1,488 | 46.3 | 2.7 | 13.6 | 0.5 | 0.1 | 0.0 | 0.0 | 36.7 | 100.0 | 1,468 |
| Yoruba | 97.8 | 1,980 | 55.0 | 7.5 | 9.0 | 1.1 | 0.3 | 0.0 | 0.0 | 27.2 | 100.0 | 1,935 |
| Other ethnic group | 98.5 | 4,757 | 41.4 | 15.2 | 25.4 | 1.2 | 0.2 | 0.2 | 0.0 | 16.4 | 100.0 | 4,685 |

¹ MICS indicator 9.17 - Male circumcision

na: not applicable

Table HA.10: Male circumcision (continued)

Percentage of men age 15-49 years who report having been circumcised, and percent distribution of men by age of circumcision, Nigeria, 2016-17

| | Percent circumcised ¹ | Number of men age 15-49 years | Age at circumcision: | | | | | | | | Missing/ Don't know | Total | Number of men age 15-49 years who have been circumcised |
|--------------|----------------------------------|-------------------------------|----------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|---------------------|---------------|---|
| | | | During infancy | 1-4 years | 5-9 years | 10-14 years | 15-19 years | 20-24 years | 25+ years | | | | |
| Total | 98.5 | 15,183 | 26.3 | 12.4 | 44.1 | 1.8 | 0.2 | 0.1 | 0.0 | 15.1 | 100.0 | 14,950 | |
| State | | | | | | | | | | | | | |
| Abia | 97.5 | 142 | 71.2 | 3.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.5 | 100.0 | 138 | |
| Adamawa | 98.7 | 389 | 13.8 | 25.3 | 52.0 | 6.0 | 1.4 | 0.1 | 0.0 | 1.3 | 100.0 | 384 | |
| Akwa Ibom | 98.9 | 365 | 58.3 | 0.1 | 40.0 | 0.3 | 0.0 | 0.2 | 0.1 | 1.0 | 100.0 | 361 | |
| Anambra | 99.8 | 241 | 0.3 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 99.2 | 100.0 | 240 | |
| Bauchi | 100.0 | 681 | 2.4 | 5.5 | 91.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.1 | 100.0 | 681 | |
| Bayelsa | 98.4 | 121 | 92.6 | 4.6 | 2.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.4 | 100.0 | 119 | |
| Benue | 99.1 | 481 | 38.8 | 38.5 | 1.4 | 0.6 | 0.0 | 0.1 | 0.0 | 20.6 | 100.0 | 477 | |
| Borno | 99.4 | 813 | 0.0 | 11.7 | 87.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 808 | |
| Cross River | 99.0 | 275 | 70.1 | 3.3 | 20.6 | 0.7 | 0.5 | 0.0 | 0.0 | 4.8 | 100.0 | 272 | |
| Delta | 99.3 | 258 | 41.8 | 3.0 | 5.1 | 0.4 | 0.7 | 0.2 | 0.0 | 48.8 | 100.0 | 257 | |
| Ebonyi | 99.8 | 152 | 31.8 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 66.5 | 100.0 | 151 | |
| Edo | 99.2 | 209 | 94.9 | 3.3 | 1.1 | 0.0 | 0.3 | 0.4 | 0.0 | 0.0 | 100.0 | 207 | |
| Ekiti | 100.0 | 96 | 52.2 | 2.8 | 2.4 | 0.0 | 0.6 | 0.0 | 0.0 | 42.0 | 100.0 | 96 | |
| Enugu | 98.3 | 190 | 88.8 | 0.2 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 | 100.0 | 187 | |
| Gombe | 99.7 | 268 | 8.1 | 10.0 | 75.7 | 5.8 | 0.4 | 0.0 | 0.0 | 0.0 | 100.0 | 267 | |
| Imo | 98.7 | 260 | 46.8 | 1.7 | 39.7 | 0.7 | 0.0 | 0.2 | 0.0 | 11.0 | 100.0 | 256 | |
| Jigawa | 99.7 | 534 | 0.3 | 5.0 | 89.0 | 4.3 | 0.0 | 0.1 | 0.0 | 1.3 | 100.0 | 533 | |
| Kaduna | 97.0 | 898 | 18.7 | 15.9 | 62.0 | 2.0 | 0.0 | 0.0 | 0.0 | 1.4 | 100.0 | 871 | |
| Kano | 99.3 | 1,028 | 4.1 | 14.7 | 73.9 | 1.4 | 0.0 | 0.0 | 0.0 | 5.8 | 100.0 | 1,021 | |
| Katsina | 99.6 | 816 | 0.3 | 29.8 | 66.2 | 2.8 | 0.6 | 0.2 | 0.0 | 0.0 | 100.0 | 812 | |
| Kebbi | 98.2 | 426 | 0.7 | 22.9 | 69.6 | 0.5 | 0.3 | 0.0 | 0.0 | 6.0 | 100.0 | 418 | |
| Kogi | 88.4 | 275 | 61.5 | 18.6 | 8.9 | 3.1 | 0.5 | 0.0 | 0.0 | 7.3 | 100.0 | 243 | |
| Kwara | 90.2 | 232 | 59.5 | 35.0 | 5.2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 209 | |
| Lagos | 99.2 | 808 | 53.7 | 2.4 | 23.7 | 1.2 | 0.1 | 0.0 | 0.0 | 18.9 | 100.0 | 801 | |
| Nasarawa | 95.1 | 352 | 11.3 | 51.2 | 27.5 | 1.0 | 0.0 | 0.3 | 0.0 | 8.8 | 100.0 | 335 | |
| Niger | 97.1 | 645 | 1.0 | 20.1 | 20.7 | 1.1 | 0.5 | 1.1 | 0.0 | 55.5 | 100.0 | 626 | |
| Ogun | 97.0 | 206 | 84.0 | 5.7 | 4.1 | 2.2 | 1.9 | 0.0 | 0.0 | 2.1 | 100.0 | 200 | |
| Ondo | 97.5 | 293 | 38.2 | 0.7 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 60.3 | 100.0 | 286 | |
| Osun | 97.5 | 296 | 66.9 | 8.9 | 1.7 | 2.7 | 0.4 | 0.0 | 0.0 | 19.5 | 100.0 | 289 | |
| Oyo | 100.0 | 490 | 44.2 | 5.0 | 1.4 | 0.3 | 0.0 | 0.0 | 0.0 | 49.1 | 100.0 | 490 | |
| Plateau | 99.6 | 606 | 26.9 | 13.5 | 11.5 | 2.3 | 0.0 | 0.0 | 0.0 | 45.8 | 100.0 | 604 | |
| Rivers | 99.2 | 436 | 89.4 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 100.0 | 432 | |
| Sokoto | 100.0 | 358 | 1.9 | 5.3 | 84.0 | 5.0 | 0.0 | 0.0 | 0.0 | 3.7 | 100.0 | 358 | |
| Taraba | 98.5 | 256 | 17.4 | 13.7 | 47.8 | 1.3 | 0.0 | 0.2 | 0.0 | 19.7 | 100.0 | 252 | |
| Yobe | 98.0 | 537 | 0.2 | 2.6 | 93.6 | 2.8 | 0.0 | 0.4 | 0.0 | 0.5 | 100.0 | 526 | |
| Zamfara | 99.2 | 613 | 0.5 | 9.2 | 76.2 | 5.0 | 0.8 | 0.0 | 0.0 | 8.3 | 100.0 | 608 | |
| FCT-Abuja | 97.2 | 139 | 77.0 | 8.9 | 10.0 | 1.1 | 0.2 | 0.0 | 0.2 | 2.6 | 100.0 | 135 | |

¹ MICS indicator 9.17 - Male circumcision

na: not applicable

Table HA.11: Provider and location of circumcision

Percent distribution of circumcised men age 15-49 by person performing circumcision and the location where circumcision was performed, Nigeria, 2016-17

| | Person performing circumcision: | | | | | | | Total | Place of circumcision: | | | | | Total | Number of men age 15-49 years who have been circumcised | |
|------------------------------------|---------------------------------|----------------|----------------------------|-------------------------|-----------------------------|-------------------|---------------------|--------------|------------------------|---------------------------------------|-------------|-------------|-------------------|------------|---|---------------------|
| | Doctor | Nurse /midwife | Other health professionals | Traditional circumciser | Traditional birth attendant | Other traditional | Missing /Don't know | | Health facility | Home of a health worker/ professional | At home | Ritual site | Other home/ place | | | Missing /Don't know |
| Total | 10.2 | 13.3 | 2.6 | 58.1 | 3.1 | 1.9 | 10.8 | 100.0 | 22.3 | 3.9 | 60.2 | 0.9 | 2.8 | 9.8 | 100.0 | 14,950 |
| Geopolitical zone | | | | | | | | | | | | | | | | |
| North Central | 11.0 | 14.4 | 8.5 | 41.3 | 2.6 | 2.5 | 19.8 | 100.0 | 26.4 | 8.0 | 44.5 | 0.6 | 2.9 | 17.6 | 100.0 | 2,628 |
| North East | 12.4 | 2.9 | 1.7 | 76.0 | 1.0 | 5.4 | 0.5 | 100.0 | 15.6 | 0.9 | 79.4 | 0.2 | 3.6 | 0.4 | 100.0 | 2,917 |
| North West | 6.6 | 1.1 | 0.6 | 85.3 | 4.6 | 1.0 | 0.9 | 100.0 | 7.5 | 1.5 | 86.0 | 2.2 | 2.1 | 0.7 | 100.0 | 4,622 |
| South East | 4.4 | 62.4 | 4.7 | 12.8 | 1.1 | 0.3 | 14.4 | 100.0 | 63.1 | 9.6 | 15.6 | 0.1 | 0.6 | 10.9 | 100.0 | 973 |
| South South | 12.7 | 32.4 | 1.2 | 35.4 | 4.9 | 0.3 | 13.0 | 100.0 | 39.7 | 5.3 | 40.2 | 0.2 | 2.7 | 11.9 | 100.0 | 1,648 |
| South West | 14.6 | 15.2 | 1.3 | 34.3 | 2.9 | 0.2 | 31.6 | 100.0 | 26.3 | 4.4 | 33.7 | 0.6 | 4.6 | 30.4 | 100.0 | 2,162 |
| Residence | | | | | | | | | | | | | | | | |
| Urban | 17.5 | 16.2 | 2.1 | 44.8 | 2.4 | 1.3 | 15.8 | 100.0 | 32.1 | 4.6 | 44.6 | 0.6 | 3.5 | 14.5 | 100.0 | 5,544 |
| Rural | 5.9 | 11.5 | 3.0 | 66.0 | 3.5 | 2.3 | 7.8 | 100.0 | 16.5 | 3.5 | 69.4 | 1.1 | 2.5 | 7.1 | 100.0 | 9,407 |
| Age (years) | | | | | | | | | | | | | | | | |
| 15-24 | 11.7 | 15.5 | 3.3 | 54.1 | 2.6 | 2.0 | 10.8 | 100.0 | 25.4 | 5.0 | 56.3 | 0.7 | 2.7 | 9.8 | 100.0 | 5,779 |
| 15-19 | 12.0 | 15.0 | 3.2 | 54.8 | 2.3 | 2.1 | 10.6 | 100.0 | 25.3 | 5.0 | 56.5 | 0.8 | 2.7 | 9.7 | 100.0 | 3,448 |
| 20-24 | 11.2 | 16.1 | 3.5 | 53.1 | 3.1 | 1.9 | 11.1 | 100.0 | 25.4 | 5.1 | 56.0 | 0.7 | 2.7 | 9.9 | 100.0 | 2,330 |
| 25-29 | 12.7 | 14.1 | 2.8 | 56.5 | 2.5 | 1.7 | 9.8 | 100.0 | 26.1 | 3.7 | 57.9 | 0.9 | 2.3 | 9.2 | 100.0 | 2,163 |
| 30-39 | 10.1 | 13.7 | 2.3 | 57.7 | 2.9 | 2.0 | 11.4 | 100.0 | 22.6 | 3.5 | 59.7 | 0.9 | 2.9 | 10.3 | 100.0 | 3,961 |
| 40-49 | 5.6 | 8.0 | 1.7 | 67.6 | 4.7 | 1.8 | 10.7 | 100.0 | 13.3 | 2.5 | 69.9 | 1.3 | 3.4 | 9.7 | 100.0 | 3,048 |
| Education | | | | | | | | | | | | | | | | |
| None | 1.2 | 2.2 | 1.7 | 85.2 | 1.9 | 3.2 | 4.6 | 100.0 | 3.5 | 1.6 | 87.2 | 0.8 | 2.8 | 4.1 | 100.0 | 1,523 |
| Non-formal | 3.3 | 0.1 | 0.3 | 82.8 | 5.6 | 5.8 | 2.0 | 100.0 | 3.6 | 1.3 | 87.0 | 1.8 | 4.2 | 2.1 | 100.0 | 2,115 |
| Primary | 4.8 | 9.9 | 2.0 | 66.5 | 4.4 | 1.8 | 10.5 | 100.0 | 13.9 | 3.4 | 69.7 | 0.7 | 2.2 | 10.1 | 100.0 | 1,973 |
| Secondary | 12.3 | 18.1 | 3.6 | 49.0 | 2.4 | 0.9 | 13.8 | 100.0 | 28.6 | 5.0 | 50.3 | 0.8 | 2.6 | 12.6 | 100.0 | 6,753 |
| Higher | 19.6 | 20.4 | 3.1 | 39.7 | 2.5 | 0.7 | 14.0 | 100.0 | 38.5 | 4.8 | 41.1 | 0.7 | 2.8 | 12.2 | 100.0 | 2,587 |
| Wealth index quintile | | | | | | | | | | | | | | | | |
| Poorest | 1.6 | 2.4 | 1.2 | 82.8 | 3.9 | 5.1 | 3.0 | 100.0 | 4.4 | 1.1 | 86.8 | 1.2 | 4.1 | 2.4 | 100.0 | 2,565 |
| Second | 3.0 | 5.6 | 2.5 | 76.3 | 3.6 | 2.4 | 6.5 | 100.0 | 8.2 | 2.9 | 79.2 | 1.0 | 2.3 | 6.5 | 100.0 | 2,853 |
| Middle | 7.9 | 10.7 | 3.4 | 63.9 | 3.6 | 1.1 | 9.4 | 100.0 | 17.6 | 4.7 | 66.7 | 1.0 | 1.6 | 8.4 | 100.0 | 2,885 |
| Fourth | 15.1 | 19.3 | 3.3 | 46.2 | 2.3 | 0.8 | 13.0 | 100.0 | 32.5 | 4.9 | 47.5 | 0.9 | 2.4 | 11.8 | 100.0 | 3,149 |
| Richest | 19.8 | 24.2 | 2.5 | 31.3 | 2.3 | 0.8 | 19.1 | 100.0 | 41.5 | 5.3 | 31.4 | 0.5 | 3.9 | 17.4 | 100.0 | 3,497 |
| Ethnicity of household head | | | | | | | | | | | | | | | | |
| Hausa | 8.7 | 1.5 | 1.0 | 79.3 | 3.8 | 3.1 | 2.6 | 100.0 | 10.1 | 1.7 | 81.3 | 1.5 | 3.0 | 2.3 | 100.0 | 6,861 |
| Igbo | 8.1 | 49.6 | 3.9 | 17.1 | 2.0 | 0.4 | 19.0 | 100.0 | 52.9 | 8.4 | 20.0 | 0.1 | 2.4 | 16.2 | 100.0 | 1,468 |
| Yoruba | 16.3 | 15.7 | 2.2 | 35.6 | 2.3 | 0.3 | 27.6 | 100.0 | 28.8 | 5.6 | 35.4 | 0.5 | 3.6 | 26.1 | 100.0 | 1,935 |
| Other ethnic group | 10.5 | 18.2 | 4.8 | 49.4 | 2.7 | 1.3 | 13.2 | 100.0 | 27.8 | 5.0 | 52.3 | 0.5 | 2.4 | 12.1 | 100.0 | 4,685 |

Table HA.11: Provider and location of circumcision (continued)

Percent distribution of circumcised men age 15-49 by person performing circumcision and the location where circumcision was performed, Nigeria, 2016-17

| | Person performing circumcision: | | | | | | | Place of circumcision: | | | | | | | Number of men age 15-49 years who have been circumcised | |
|--------------|---------------------------------|---------------|----------------------------|-------------------------|-----------------------------|-------------------|---------------------|------------------------|-----------------|--------------------------------------|-------------|-------------|------------------|---------------------|---|---------------|
| | Doctor | Nurse/midwife | Other health professionals | Traditional circumciser | Traditional birth attendant | Other traditional | Missing /Don't know | Total | Health facility | Home of a health worker/professional | At home | Ritual site | Other home/place | Missing /Don't know | | Total |
| Total | 10.2 | 13.3 | 2.6 | 58.1 | 3.1 | 1.9 | 10.8 | 100.0 | 22.3 | 3.9 | 60.2 | 0.9 | 2.8 | 9.8 | 100.0 | 14,950 |
| State | | | | | | | | | | | | | | | | |
| Abia | 19.0 | 28.6 | 0.8 | 11.5 | 1.3 | 2.2 | 36.7 | 100.0 | 56.5 | 4.3 | 17.1 | 0.0 | 2.9 | 19.2 | 100.0 | 138 |
| Adamawa | 17.7 | 2.2 | 1.1 | 76.2 | 0.5 | 0.0 | 2.3 | 100.0 | 18.3 | 2.4 | 76.7 | 0.6 | 0.2 | 1.8 | 100.0 | 384 |
| Akwa Ibom | 33.4 | 18.2 | 1.2 | 38.5 | 3.2 | 0.9 | 4.6 | 100.0 | 42.6 | 4.9 | 46.5 | 0.1 | 1.8 | 4.2 | 100.0 | 361 |
| Anambra | 1.3 | 84.3 | 10.4 | 2.8 | 0.3 | 0.0 | 1.0 | 100.0 | 72.5 | 21.1 | 6.0 | 0.0 | 0.0 | 0.3 | 100.0 | 240 |
| Bauchi | 0.1 | 2.6 | 0.3 | 96.9 | 0.0 | 0.0 | 0.1 | 100.0 | 2.4 | 0.0 | 97.5 | 0.0 | 0.0 | 0.1 | 100.0 | 681 |
| Bayelsa | 10.2 | 8.7 | 3.0 | 74.8 | 1.7 | 0.0 | 1.6 | 100.0 | 13.0 | 7.4 | 76.8 | 0.3 | 1.1 | 1.4 | 100.0 | 119 |
| Benue | 21.3 | 48.8 | 6.7 | 14.8 | 1.8 | 1.2 | 5.5 | 100.0 | 66.6 | 4.0 | 19.6 | 1.0 | 5.3 | 3.6 | 100.0 | 477 |
| Borno | 28.3 | 4.1 | 4.4 | 61.1 | 2.1 | 0.0 | 0.0 | 100.0 | 34.3 | 0.7 | 65.0 | 0.0 | 0.0 | 0.0 | 100.0 | 808 |
| Cross River | 4.5 | 20.6 | 1.1 | 47.0 | 18.0 | 0.0 | 8.9 | 100.0 | 19.8 | 7.6 | 61.2 | 0.3 | 2.2 | 8.9 | 100.0 | 272 |
| Delta | 6.4 | 14.6 | 0.0 | 19.0 | 0.4 | 0.6 | 59.1 | 100.0 | 18.6 | 3.0 | 22.7 | 0.0 | 0.3 | 55.4 | 100.0 | 257 |
| Ebonyi | 1.8 | 23.2 | 0.0 | 29.6 | 1.7 | 0.0 | 43.7 | 100.0 | 15.8 | 10.6 | 32.3 | 0.5 | 0.5 | 40.3 | 100.0 | 151 |
| Edo | 21.3 | 31.0 | 1.0 | 45.4 | 0.3 | 0.0 | 1.0 | 100.0 | 45.4 | 6.4 | 46.5 | 0.3 | 0.3 | 1.0 | 100.0 | 207 |
| Ekiti | 5.2 | 33.4 | 0.4 | 9.6 | 8.3 | 1.8 | 41.4 | 100.0 | 32.7 | 5.4 | 13.9 | 1.1 | 7.3 | 39.6 | 100.0 | 96 |
| Enugu | 3.5 | 61.4 | 1.9 | 21.9 | 1.7 | 0.0 | 9.7 | 100.0 | 61.9 | 4.4 | 24.4 | 0.0 | 0.8 | 8.5 | 100.0 | 187 |
| Gombe | 6.0 | 2.1 | 0.5 | 91.1 | 0.3 | 0.0 | 0.0 | 100.0 | 8.1 | 0.5 | 88.1 | 0.0 | 3.3 | 0.0 | 100.0 | 267 |
| Imo | 1.6 | 83.9 | 6.3 | 6.3 | 0.8 | 0.0 | 1.1 | 100.0 | 86.8 | 4.8 | 7.5 | 0.0 | 0.0 | 0.9 | 100.0 | 256 |
| Jigawa | 3.7 | 1.8 | 0.4 | 93.5 | 0.7 | 0.0 | 0.0 | 100.0 | 5.5 | 0.3 | 91.5 | 2.7 | 0.0 | 0.0 | 100.0 | 533 |
| Kaduna | 8.6 | 0.0 | 0.4 | 88.2 | 0.7 | 0.1 | 2.0 | 100.0 | 8.2 | 0.4 | 88.7 | 0.6 | 0.2 | 2.0 | 100.0 | 871 |
| Kano | 9.3 | 1.4 | 1.1 | 86.2 | 1.5 | 0.2 | 0.4 | 100.0 | 10.4 | 2.7 | 84.5 | 1.0 | 1.0 | 0.4 | 100.0 | 1,021 |

Table HA.11: Provider and location of circumcision (continued)

Percent distribution of circumcised men age 15-49 by person performing circumcision and the location where circumcision was performed, Nigeria, 2016-17

| | Person performing circumcision: | | | | | | | Place of circumcision: | | | | | | | Number of men age 15-49 years who have been circumcised | |
|-----------|---------------------------------|-------------------|----------------------------------|----------------------------|-----------------------------------|----------------------|---------------------------|------------------------|--------------------|--|------------|----------------|-------------------------|---------------------------|---|-------|
| | Doctor | Nurse/ midwife | Other health professionals | Traditional circumciser | Traditional birth attendant | Other traditional | Missing /Don't know | Total | Health facility | Home of a health worker/ professional | At home | Ritual site | Other home/ place | Missing /Don't know | | Total |
| Katsina | 8.4 | 2.1 | 0.0 | 89.5 | 0.0 | 0.0 | 0.0 | 100.0 | 9.2 | 1.1 | 89.2 | 0.5 | 0.0 | 0.0 | 100.0 | 812 |
| Kebbi | 4.2 | 0.6 | 1.2 | 89.8 | 1.8 | 0.6 | 1.8 | 100.0 | 5.4 | 2.3 | 82.1 | 8.0 | 0.7 | 1.4 | 100.0 | 418 |
| Kogi | 4.2 | 23.3 | 18.9 | 49.7 | 0.9 | 0.6 | 2.3 | 100.0 | 27.8 | 14.7 | 51.4 | 0.4 | 4.1 | 1.7 | 100.0 | 243 |
| Kwara | 20.0 | 24.2 | 17.4 | 37.9 | 0.2 | 0.0 | 0.3 | 100.0 | 28.7 | 30.9 | 39.3 | 0.4 | 0.2 | 0.3 | 100.0 | 209 |
| Lagos | 13.8 | 21.2 | 2.3 | 27.5 | 4.2 | 0.0 | 31.0 | 100.0 | 29.4 | 6.2 | 26.0 | 0.1 | 8.8 | 29.5 | 100.0 | 801 |
| Nasarawa | 8.3 | 0.2 | 0.7 | 78.9 | 1.3 | 0.4 | 10.2 | 100.0 | 8.4 | 0.5 | 81.6 | 0.1 | 0.3 | 9.1 | 100.0 | 335 |
| Niger | 3.9 | 0.4 | 0.0 | 42.6 | 7.1 | 2.2 | 43.8 | 100.0 | 5.6 | 8.4 | 43.1 | 0.7 | 1.1 | 41.1 | 100.0 | 626 |
| Ogun | 15.3 | 7.1 | 0.8 | 57.3 | 0.7 | 0.8 | 17.9 | 100.0 | 20.0 | 3.2 | 55.1 | 0.3 | 3.2 | 18.2 | 100.0 | 200 |
| Ondo | 7.0 | 3.6 | 0.0 | 21.4 | 0.3 | 0.0 | 67.7 | 100.0 | 10.0 | 0.8 | 21.1 | 0.0 | 0.5 | 67.7 | 100.0 | 286 |
| Osun | 23.8 | 10.5 | 1.0 | 25.2 | 1.8 | 0.0 | 37.6 | 100.0 | 37.7 | 0.3 | 27.9 | 0.9 | 2.6 | 30.7 | 100.0 | 289 |
| Oyo | 16.3 | 14.5 | 0.9 | 53.7 | 2.6 | 0.4 | 11.6 | 100.0 | 25.3 | 6.5 | 52.2 | 1.4 | 1.3 | 13.3 | 100.0 | 490 |
| Plateau | 4.6 | 2.4 | 17.9 | 38.7 | 1.1 | 7.3 | 28.1 | 100.0 | 18.6 | 5.8 | 45.8 | 0.8 | 5.0 | 24.1 | 100.0 | 604 |
| Rivers | 1.0 | 69.7 | 1.5 | 19.6 | 4.1 | 0.0 | 4.1 | 100.0 | 67.0 | 4.4 | 19.2 | 0.2 | 6.7 | 2.5 | 100.0 | 432 |
| Sokoto | 0.9 | 0.4 | 0.8 | 50.8 | 44.2 | 0.0 | 3.0 | 100.0 | 2.1 | 4.6 | 84.1 | 0.0 | 7.7 | 1.4 | 100.0 | 358 |
| Taraba | 5.9 | 8.2 | 1.6 | 81.7 | 0.7 | 0.2 | 1.7 | 100.0 | 12.2 | 1.8 | 81.9 | 1.1 | 1.3 | 1.7 | 100.0 | 252 |
| Yobe | 6.4 | 0.0 | 0.6 | 61.1 | 1.4 | 30.1 | 0.4 | 100.0 | 7.2 | 0.9 | 74.6 | 0.0 | 17.3 | 0.0 | 100.0 | 526 |
| Zamfara | 4.3 | 1.1 | 0.2 | 84.2 | 3.3 | 6.8 | 0.0 | 100.0 | 5.4 | 0.6 | 79.4 | 5.2 | 9.0 | 0.4 | 100.0 | 608 |
| FCT-Abuja | 40.4 | 15.3 | 0.0 | 37.0 | 1.0 | 0.0 | 6.3 | 100.0 | 55.2 | 1.4 | 36.2 | 0.0 | 1.0 | 6.2 | 100.0 | 135 |

XIII. Access to Mass Media and Use of Information/Communication Technology

Access to Mass Media

Table MT.1: Exposure to mass media (women)

Percentage of women age 15-49 years who are exposed to specific mass media on a weekly basis, Nigeria, 2016-17

| | Percentage of women age 15-49 years who: | | | All three media at least once a week ¹ | Any media at least once a week | None of the media at least once a week | Number of women age 15-49 years |
|------------------------------------|--|--|---------------------------------------|---|--------------------------------|--|---------------------------------|
| | Read a newspaper at least once a week | Listen to the radio at least once a week | Watch television at least once a week | | | | |
| Total | 8.0 | 39.4 | 39.8 | 5.5 | 54.2 | 45.7 | 34,376 |
| Geopolitical zone | | | | | | | |
| North Central | 6.2 | 26.2 | 36.1 | 4.4 | 43.1 | 56.6 | 6,006 |
| North East | 2.9 | 25.3 | 27.2 | 1.5 | 37.6 | 62.1 | 6,584 |
| North West | 5.2 | 43.2 | 26.2 | 3.4 | 50.2 | 49.8 | 10,932 |
| South East | 15.1 | 46.1 | 51.2 | 9.8 | 65.1 | 34.9 | 2,445 |
| South South | 15.9 | 45.0 | 65.1 | 12.4 | 72.5 | 27.3 | 3,668 |
| South West | 14.1 | 59.4 | 67.5 | 9.6 | 80.7 | 19.3 | 4,741 |
| Age (years) | | | | | | | |
| 15-19 | 8.8 | 37.7 | 43.3 | 5.5 | 56.4 | 43.5 | 6,822 |
| 20-24 | 9.3 | 38.7 | 41.5 | 6.1 | 55.2 | 44.7 | 5,816 |
| 25-29 | 8.3 | 40.3 | 40.3 | 5.9 | 54.4 | 45.5 | 5,915 |
| 30-34 | 8.4 | 40.9 | 40.8 | 5.8 | 55.5 | 44.3 | 5,390 |
| 35-39 | 6.7 | 38.9 | 36.7 | 5.0 | 51.6 | 48.3 | 4,339 |
| 40-44 | 6.7 | 40.0 | 35.6 | 4.6 | 51.7 | 48.1 | 3,571 |
| 45-49 | 5.9 | 40.7 | 34.1 | 4.4 | 50.6 | 49.2 | 2,524 |
| Residence | | | | | | | |
| Urban | 14.2 | 54.0 | 66.7 | 10.0 | 77.3 | 22.6 | 12,373 |
| Rural | 4.6 | 31.2 | 24.6 | 2.9 | 41.2 | 58.6 | 22,003 |
| Education | | | | | | | |
| None | 0.3 | 23.1 | 13.4 | 0.2 | 28.7 | 71.1 | 7,799 |
| Non-formal | 1.0 | 29.7 | 14.2 | 0.4 | 34.6 | 65.3 | 5,646 |
| Primary | 2.4 | 34.6 | 31.6 | 1.3 | 47.1 | 52.7 | 4,963 |
| Secondary | 11.6 | 48.6 | 59.8 | 7.8 | 72.0 | 27.9 | 12,466 |
| Higher | 32.0 | 65.7 | 80.1 | 23.2 | 89.3 | 10.6 | 3,502 |
| Wealth index quintile | | | | | | | |
| Poorest | 1.0 | 19.4 | 4.4 | 0.3 | 21.0 | 78.8 | 6,120 |
| Second | 1.6 | 24.2 | 8.8 | 0.6 | 28.2 | 71.6 | 6,478 |
| Middle | 5.0 | 34.3 | 26.6 | 2.6 | 46.6 | 53.2 | 6,708 |
| Fourth | 8.8 | 49.7 | 61.1 | 5.6 | 73.5 | 26.4 | 7,053 |
| Richest | 20.4 | 62.3 | 84.0 | 15.6 | 89.9 | 10.1 | 8,017 |
| Ethnicity of household head | | | | | | | |
| Hausa | 4.2 | 36.2 | 25.9 | 2.7 | 44.8 | 55.0 | 15,920 |
| Igbo | 16.8 | 48.5 | 58.3 | 11.1 | 70.4 | 29.6 | 3,558 |
| Yoruba | 13.8 | 61.3 | 68.4 | 9.7 | 81.4 | 18.5 | 4,380 |
| Other ethnic group | 8.4 | 32.1 | 42.6 | 6.1 | 51.6 | 48.2 | 10,518 |

¹ MICS indicator 10.1 - Exposure to mass media

Table MT.1: Exposure to mass media (women) (continued)

Percentage of women age 15-49 years who are exposed to specific mass media on a weekly basis, Nigeria, 2016-17

| | Percentage of women age 15-49 years who: | | | | | | Number of women age 15-49 years |
|--------------|--|--|---------------------------------------|---|--------------------------------|--|---------------------------------|
| | Read a newspaper at least once a week | Listen to the radio at least once a week | Watch television at least once a week | All three media at least once a week ¹ | Any media at least once a week | None of the media at least once a week | |
| Total | 8.0 | 39.4 | 39.8 | 5.5 | 54.2 | 45.7 | 34,376 |
| State | | | | | | | |
| Abia | 17.8 | 46.8 | 59.7 | 11.2 | 70.7 | 29.1 | 336 |
| Adamawa | 4.3 | 30.6 | 27.8 | 2.2 | 42.5 | 57.2 | 830 |
| Akwa Ibom | 21.3 | 52.1 | 59.8 | 17.4 | 70.4 | 29.3 | 834 |
| Anambra | 13.4 | 44.8 | 61.9 | 9.6 | 68.6 | 31.4 | 608 |
| Bauchi | 1.4 | 25.6 | 16.9 | 0.7 | 32.5 | 66.9 | 1,559 |
| Bayelsa | 10.5 | 31.5 | 48.0 | 6.7 | 57.6 | 42.0 | 260 |
| Benue | 5.3 | 28.9 | 35.4 | 3.3 | 44.6 | 55.3 | 956 |
| Borno | 4.2 | 39.9 | 48.8 | 2.8 | 58.7 | 41.3 | 1,984 |
| Cross River | 5.3 | 31.8 | 52.7 | 2.3 | 60.9 | 38.7 | 693 |
| Delta | 15.8 | 35.5 | 64.5 | 10.2 | 71.5 | 28.5 | 584 |
| Ebonyi | 10.7 | 37.2 | 27.5 | 7.7 | 44.9 | 55.1 | 400 |
| Edo | 22.2 | 55.3 | 84.1 | 19.3 | 85.6 | 14.3 | 494 |
| Ekiti | 11.8 | 59.2 | 56.4 | 8.4 | 73.2 | 26.8 | 216 |
| Enugu | 8.3 | 40.3 | 44.6 | 4.1 | 59.3 | 40.7 | 495 |
| Gombe | 2.3 | 16.0 | 16.3 | 1.4 | 24.4 | 74.9 | 562 |
| Imo | 23.8 | 57.5 | 56.9 | 15.3 | 76.4 | 23.6 | 606 |
| Jigawa | 2.8 | 25.8 | 12.7 | 2.0 | 29.0 | 70.8 | 1,313 |
| Kaduna | 6.6 | 67.9 | 45.7 | 4.4 | 79.9 | 20.0 | 2,076 |
| Kano | 5.9 | 51.7 | 24.0 | 3.8 | 55.8 | 44.1 | 2,389 |
| Katsina | 6.1 | 43.4 | 28.7 | 4.3 | 50.8 | 49.1 | 1,950 |
| Kebbi | 3.7 | 23.4 | 19.8 | 2.1 | 30.7 | 69.3 | 956 |
| Kogi | 7.5 | 23.2 | 26.0 | 3.0 | 37.3 | 62.6 | 632 |
| Kwara | 12.8 | 56.4 | 57.7 | 12.0 | 68.1 | 31.9 | 487 |
| Lagos | 20.7 | 55.6 | 82.4 | 13.8 | 87.0 | 13.0 | 1,725 |
| Nasarawa | 4.8 | 28.2 | 29.4 | 3.3 | 40.9 | 58.4 | 738 |
| Niger | 3.3 | 13.4 | 34.9 | 2.2 | 37.3 | 62.3 | 1,536 |
| Ogun | 11.4 | 60.3 | 64.0 | 8.6 | 77.2 | 22.8 | 474 |
| Ondo | 11.6 | 57.9 | 49.5 | 8.3 | 74.7 | 24.9 | 646 |
| Osun | 14.0 | 75.5 | 74.6 | 10.3 | 88.9 | 11.1 | 638 |
| Oyo | 6.8 | 56.2 | 53.8 | 3.6 | 72.1 | 27.9 | 1,042 |
| Plateau | 6.7 | 25.7 | 32.1 | 5.4 | 37.2 | 62.7 | 1,317 |
| Rivers | 17.1 | 53.8 | 75.5 | 14.9 | 82.3 | 17.7 | 803 |
| Sokoto | 3.9 | 29.1 | 17.6 | 1.8 | 36.9 | 63.1 | 912 |
| Taraba | 3.6 | 12.0 | 20.4 | 0.8 | 27.2 | 72.6 | 558 |
| Yobe | 1.6 | 5.8 | 11.2 | 0.4 | 14.8 | 84.7 | 1,091 |
| Zamfara | 5.0 | 30.2 | 20.4 | 3.5 | 36.7 | 63.1 | 1,337 |
| FCT Abuja | 11.6 | 36.6 | 61.5 | 7.7 | 68.0 | 31.9 | 340 |

¹ MICS indicator 10.1 - Exposure to mass media

Table MT.1M: Exposure to mass media (men)

Percentage of men age 15-49 years who are exposed to specific mass media on a weekly basis, Nigeria, 2016-17

| | Percentage of men age 15-49 years who: | | | | | | Number of men age 15-49 years |
|--|--|--|---------------------------------------|---|--------------------------------|--|-------------------------------|
| | Read a newspaper at least once a week | Listen to the radio at least once a week | Watch television at least once a week | All three media at least once a week ¹ | Any media at least once a week | None of the media at least once a week | |
| Total | 25.3 | 59.5 | 47.6 | 18.5 | 71.7 | 28.1 | 15,183 |
| GeoPolitical zone | | | | | | | |
| North Central | 20.0 | 54.0 | 41.6 | 14.2 | 63.7 | 35.8 | 2,730 |
| North East | 15.5 | 57.8 | 40.9 | 11.3 | 72.0 | 27.9 | 2,943 |
| North West | 16.6 | 49.3 | 32.5 | 11.2 | 59.2 | 40.6 | 4,674 |
| South East | 42.5 | 70.7 | 59.7 | 29.0 | 84.8 | 15.0 | 984 |
| South South | 38.3 | 70.9 | 70.0 | 30.6 | 85.0 | 15.0 | 1,664 |
| South West | 46.3 | 76.6 | 73.8 | 34.9 | 91.7 | 8.2 | 2,189 |
| Age (year) | | | | | | | |
| 15-19 | 15.3 | 42.0 | 46.2 | 10.2 | 61.3 | 38.2 | 3,508 |
| 20-24 | 26.6 | 54.6 | 49.9 | 17.7 | 69.8 | 30.1 | 2,378 |
| 25-29 | 30.0 | 61.7 | 49.2 | 20.8 | 74.1 | 25.8 | 2,191 |
| 30-34 | 30.0 | 65.0 | 50.0 | 22.7 | 75.3 | 24.7 | 2,078 |
| 35-39 | 29.9 | 69.8 | 48.4 | 22.4 | 77.1 | 22.9 | 1,936 |
| 40-44 | 28.4 | 71.3 | 46.8 | 23.0 | 77.8 | 21.7 | 1,724 |
| 45-49 | 24.1 | 71.5 | 40.5 | 19.5 | 76.6 | 23.3 | 1,368 |
| Residence | | | | | | | |
| Urban | 41.9 | 68.7 | 73.0 | 32.9 | 86.3 | 13.7 | 5,627 |
| Rural | 15.6 | 54.1 | 32.6 | 10.0 | 63.0 | 36.7 | 9,556 |
| Education | | | | | | | |
| None | 0.6 | 43.9 | 12.4 | 0.5 | 48.0 | 51.5 | 1,563 |
| Non-formal | 3.0 | 47.0 | 19.2 | 1.2 | 52.4 | 47.0 | 2,140 |
| Primary | 10.1 | 57.4 | 34.9 | 6.8 | 65.9 | 34.1 | 1,997 |
| Secondary | 28.0 | 60.6 | 57.5 | 19.6 | 77.2 | 22.6 | 6,861 |
| Higher | 63.1 | 77.7 | 75.3 | 49.1 | 91.3 | 8.6 | 2,622 |
| Wealth index quintile | | | | | | | |
| Poorest | 4.0 | 43.3 | 10.8 | 1.7 | 47.8 | 51.7 | 2,614 |
| Second | 9.2 | 47.7 | 20.1 | 4.2 | 55.1 | 44.5 | 2,901 |
| Middle | 16.9 | 56.3 | 41.4 | 10.0 | 69.2 | 30.6 | 2,927 |
| Fourth | 31.7 | 68.2 | 67.0 | 23.6 | 84.7 | 15.3 | 3,202 |
| Richest | 55.6 | 75.9 | 84.7 | 44.9 | 93.1 | 6.9 | 3,539 |
| Ethnicity of household head | | | | | | | |
| Hausa | 15.5 | 53.0 | 35.2 | 10.9 | 63.6 | 36.1 | 6,958 |
| Igbo | 44.7 | 69.3 | 64.2 | 31.5 | 85.4 | 14.4 | 1,488 |
| Yoruba | 44.0 | 76.8 | 73.6 | 33.6 | 90.2 | 9.6 | 1,980 |
| Other ethnic group | 25.9 | 58.7 | 49.6 | 19.2 | 71.4 | 28.5 | 4,757 |
| ¹ MICS indicator 10.1 - Exposure to mass media ^[M] | | | | | | | |

Table MT.1M: Exposure to mass media (men), (continued)

Percentage of men age 15-49 years who are exposed to specific mass media on a weekly basis, Nigeria, 2016-17

| | Percentage of men age 15-49 years who: | | | | | | Number of men age 15-49 years |
|--------------|--|--|---------------------------------------|---|--------------------------------|--|-------------------------------|
| | Read a newspaper at least once a week | Listen to the radio at least once a week | Watch television at least once a week | All three media at least once a week ¹ | Any media at least once a week | None of the media at least once a week | |
| Total | 25.3 | 59.5 | 47.6 | 18.5 | 71.7 | 28.1 | 15,183 |
| State | | | | | | | |
| Abia | 39.1 | 78.2 | 71.0 | 27.6 | 92.0 | 8.0 | 142 |
| Adamawa | 18.8 | 57.4 | 29.7 | 11.6 | 67.8 | 32.2 | 389 |
| Akwa Ibom | 43.9 | 70.1 | 74.9 | 35.8 | 87.8 | 12.2 | 365 |
| Anambra | 46.0 | 61.9 | 52.9 | 27.0 | 80.9 | 18.9 | 241 |
| Bauchi | 7.2 | 60.6 | 30.0 | 5.2 | 72.4 | 27.6 | 681 |
| Bayelsa | 25.6 | 54.3 | 59.7 | 19.0 | 71.3 | 28.5 | 121 |
| Benue | 20.7 | 41.1 | 36.5 | 15.7 | 50.7 | 49.3 | 481 |
| Borno | 25.6 | 50.7 | 67.7 | 22.8 | 73.3 | 26.7 | 813 |
| Cross River | 24.8 | 66.8 | 55.7 | 16.6 | 77.9 | 22.1 | 275 |
| Delta | 38.3 | 64.2 | 67.0 | 26.3 | 85.4 | 14.6 | 258 |
| Ebonyi | 31.5 | 71.8 | 37.5 | 22.4 | 75.3 | 24.7 | 152 |
| Edo | 42.9 | 63.9 | 67.0 | 38.7 | 74.6 | 25.4 | 209 |
| Ekiti | 35.8 | 83.0 | 71.4 | 30.4 | 91.1 | 8.9 | 96 |
| Enugu | 46.8 | 73.5 | 69.3 | 38.2 | 85.0 | 15.0 | 190 |
| Gombe | 14.1 | 57.4 | 29.0 | 10.1 | 63.8 | 35.9 | 268 |
| Imo | 44.3 | 72.2 | 65.9 | 28.5 | 89.7 | 9.5 | 260 |
| Jigawa | 9.3 | 34.5 | 12.8 | 4.9 | 37.9 | 61.9 | 534 |
| Kaduna | 11.0 | 25.8 | 35.6 | 7.7 | 42.8 | 56.5 | 898 |
| Kano | 25.6 | 66.5 | 44.9 | 19.9 | 74.0 | 25.9 | 1,028 |
| Katsina | 14.9 | 61.8 | 26.9 | 8.4 | 69.6 | 30.4 | 816 |
| Kebbi | 17.3 | 43.0 | 31.9 | 11.5 | 52.3 | 47.7 | 426 |
| Kogi | 15.7 | 24.4 | 15.9 | 9.5 | 29.5 | 69.2 | 275 |
| Kwara | 30.6 | 84.3 | 59.8 | 23.3 | 90.5 | 9.5 | 232 |
| Lagos | 63.1 | 70.4 | 85.7 | 44.7 | 95.5 | 4.5 | 808 |
| Nasarawa | 20.3 | 61.8 | 39.2 | 12.4 | 70.5 | 29.2 | 352 |
| Niger | 11.6 | 36.9 | 34.4 | 6.4 | 51.8 | 46.9 | 645 |
| Ogun | 42.9 | 81.6 | 77.5 | 35.8 | 92.2 | 7.8 | 206 |
| Ondo | 32.6 | 89.8 | 56.2 | 26.5 | 93.4 | 6.6 | 293 |
| Osun | 35.3 | 77.2 | 67.5 | 24.0 | 90.5 | 8.7 | 296 |
| Oyo | 37.2 | 75.4 | 67.5 | 30.7 | 84.9 | 15.1 | 490 |
| Plateau | 27.1 | 78.6 | 54.0 | 21.9 | 84.6 | 15.3 | 606 |
| Rivers | 43.3 | 86.2 | 81.0 | 37.0 | 95.5 | 4.5 | 436 |
| Sokoto | 15.6 | 56.9 | 24.7 | 8.1 | 65.2 | 34.8 | 358 |
| Taraba | 11.5 | 44.7 | 33.4 | 5.5 | 61.5 | 37.6 | 256 |
| Yobe | 11.2 | 71.9 | 31.7 | 4.7 | 81.7 | 18.3 | 537 |
| Zamfara | 18.2 | 51.1 | 36.3 | 12.7 | 64.6 | 35.4 | 613 |
| FCT Abuja | 15.9 | 59.4 | 65.0 | 10.8 | 78.9 | 21.1 | 139 |

¹ MICS indicator 10.1 - Exposure to mass media^[M]

Use of Information/Communication Technology

Table MT.2: Use of computers and internet (women)

Percentage of young women age 15-24 years who have ever used a computer and the internet, percentage who have used during the last 12 months, and percentage who have used at least once weekly during the last one month, Nigeria, 2016-17

| | Percentage of women age 15-24 years who have: | | | | | | Number of women age 15-24 years |
|---|---|--|--|------------------------|--|--|---------------------------------|
| | Ever used a computer | Used a computer during the last 12 months ¹ | Used a computer at least once a week during the last one month | Ever used the internet | Used the internet during the last 12 months ² | Used the internet at least once a week during the last one month | |
| Total | 18.6 | 13.4 | 7.5 | 20.0 | 17.3 | 12.9 | 12,637 |
| GeoPolitical zone | | | | | | | |
| North Central | 17.3 | 13.2 | 7.7 | 18.5 | 15.5 | 11.0 | 2,212 |
| North East | 9.5 | 7.0 | 2.7 | 10.4 | 9.2 | 6.5 | 2,533 |
| North West | 8.0 | 6.0 | 3.9 | 7.2 | 6.2 | 4.6 | 4,208 |
| South East | 34.8 | 21.1 | 10.5 | 36.1 | 28.9 | 21.0 | 921 |
| South South | 31.7 | 23.0 | 13.8 | 36.7 | 32.0 | 23.0 | 1,290 |
| South West | 44.7 | 32.8 | 18.6 | 50.6 | 45.5 | 36.3 | 1,474 |
| Age (year) | | | | | | | |
| 15-19 | 18.4 | 13.4 | 7.4 | 18.4 | 16.0 | 11.3 | 6,822 |
| 20-24 | 18.8 | 13.5 | 7.6 | 21.9 | 18.8 | 14.7 | 5,816 |
| Area | | | | | | | |
| Urban | 34.9 | 26.4 | 15.2 | 37.9 | 33.8 | 25.8 | 4,631 |
| Rural | 9.1 | 5.9 | 3.1 | 9.6 | 7.7 | 5.4 | 8,007 |
| Education | | | | | | | |
| None | 0.3 | 0.1 | 0.0 | 0.4 | 0.1 | 0.1 | 2,215 |
| Non-formal | 0.4 | 0.1 | 0.1 | 0.3 | 0.2 | 0.2 | 1,734 |
| Primary | 1.2 | 0.7 | 0.2 | 1.0 | 0.6 | 0.4 | 1,313 |
| Secondary | 25.5 | 17.5 | 9.0 | 27.4 | 23.2 | 16.3 | 6,501 |
| Higher | 75.9 | 62.4 | 41.3 | 81.9 | 76.6 | 63.9 | 874 |
| Wealth index quintile | | | | | | | |
| Poorest | 1.3 | 0.6 | 0.4 | 0.8 | 0.6 | 0.4 | 1,988 |
| Second | 3.2 | 2.1 | 0.8 | 3.0 | 2.4 | 1.5 | 2,507 |
| Middle | 9.5 | 6.1 | 2.5 | 9.0 | 6.7 | 4.1 | 2,711 |
| Fourth | 22.5 | 14.8 | 6.9 | 25.8 | 21.4 | 15.1 | 2,636 |
| Richest | 49.8 | 38.5 | 24.1 | 54.0 | 48.9 | 38.3 | 2,796 |
| Ethnicity of household head | | | | | | | |
| Hausa | 7.0 | 4.9 | 3.0 | 7.3 | 5.9 | 4.2 | 6,088 |
| Igbo | 38.4 | 25.2 | 13.4 | 40.6 | 34.0 | 25.9 | 1,256 |
| Yoruba | 43.8 | 33.0 | 19.7 | 49.1 | 43.7 | 34.6 | 1,424 |
| Other ethnic group | 21.0 | 15.9 | 8.3 | 22.6 | 20.1 | 14.2 | 3,869 |
| ¹ MICS indicator 10.2 - Use of computers ² MICS indicator 10.3 - Use of internet | | | | | | | |

Table MT.2: Use of computers and internet (women), (continued)

Percentage of young women age 15-24 years who have ever used a computer and the internet, percentage who have used during the last 12 months, and percentage who have used at least once weekly during the last one month, Nigeria, 2016-17

| | Percentage of women age 15-24 years who have: | | | | | | Number of women age 15-24 years |
|--------------|---|--|--|------------------------|--|--|---------------------------------|
| | Ever used a computer | Used a computer during the last 12 months ¹ | Used a computer at least once a week during the last one month | Ever used the internet | Used the internet during the last 12 months ² | Used the internet at least once a week during the last one month | |
| Total | 18.6 | 13.4 | 7.5 | 20.0 | 17.3 | 12.9 | 12,637 |
| State | | | | | | | |
| Abia | 40.1 | 23.6 | 11.9 | 45.1 | 37.4 | 24.8 | 108 |
| Adamawa | 5.1 | 3.8 | 1.6 | 5.1 | 4.4 | 2.1 | 310 |
| Akwa Ibom | 20.7 | 14.5 | 7.9 | 26.8 | 24.2 | 17.6 | 325 |
| Anambra | 44.4 | 32.7 | 16.1 | 47.1 | 38.3 | 30.5 | 228 |
| Bauchi | 5.8 | 4.0 | 3.0 | 4.0 | 3.7 | 2.5 | 607 |
| Bayelsa | 33.6 | 18.2 | 8.4 | 35.3 | 26.2 | 17.0 | 90 |
| Benue | 19.4 | 15.5 | 5.6 | 19.1 | 17.0 | 11.3 | 368 |
| Borno | 15.6 | 11.6 | 2.1 | 21.1 | 19.0 | 13.4 | 783 |
| Cross River | 36.7 | 31.6 | 18.6 | 32.1 | 28.9 | 16.4 | 248 |
| Delta | 25.1 | 14.2 | 9.1 | 22.5 | 18.4 | 14.0 | 202 |
| Ebonyi | 9.6 | 3.3 | 0.8 | 12.6 | 8.1 | 4.6 | 167 |
| Edo | 32.5 | 22.6 | 17.8 | 49.9 | 46.0 | 42.9 | 163 |
| Ekiti | 46.6 | 32.3 | 14.7 | 38.9 | 32.7 | 27.1 | 67 |
| Enugu | 30.4 | 19.7 | 7.9 | 26.0 | 21.4 | 12.1 | 198 |
| Gombe | 7.6 | 5.7 | 3.3 | 5.3 | 4.6 | 3.6 | 232 |
| Imo | 45.2 | 22.6 | 13.8 | 47.2 | 37.4 | 29.6 | 220 |
| Jigawa | 3.6 | 1.4 | 1.0 | 2.2 | 0.6 | 0.2 | 481 |
| Kaduna | 16.1 | 14.5 | 8.2 | 15.9 | 14.8 | 11.0 | 859 |
| Kano | 11.2 | 7.9 | 5.7 | 8.8 | 7.2 | 4.9 | 971 |
| Katsina | 3.1 | 1.5 | 1.0 | 3.4 | 3.0 | 2.6 | 729 |
| Kebbi | 5.3 | 3.6 | 3.3 | 4.0 | 3.6 | 3.3 | 361 |
| Kogi | 16.9 | 11.2 | 6.5 | 20.7 | 15.6 | 10.4 | 249 |
| Kwara | 31.8 | 23.9 | 16.3 | 35.3 | 28.1 | 24.0 | 155 |
| Lagos | 62.6 | 47.4 | 29.0 | 72.1 | 66.1 | 54.8 | 488 |
| Nasarawa | 10.4 | 8.6 | 5.7 | 11.5 | 10.2 | 7.0 | 283 |
| Niger | 12.8 | 11.2 | 6.4 | 11.3 | 10.6 | 6.9 | 534 |
| Ogun | 41.1 | 28.4 | 13.0 | 52.2 | 46.7 | 32.6 | 155 |
| Ondo | 36.4 | 24.8 | 13.8 | 41.0 | 32.5 | 22.9 | 206 |
| Osun | 33.6 | 24.9 | 12.8 | 36.9 | 34.3 | 26.6 | 250 |
| Oyo | 32.5 | 23.9 | 13.9 | 35.9 | 33.1 | 27.8 | 308 |
| Plateau | 17.2 | 10.4 | 6.7 | 19.6 | 14.6 | 11.0 | 497 |
| Rivers | 44.4 | 34.3 | 19.5 | 56.5 | 48.2 | 32.7 | 262 |
| Sokoto | 2.9 | 1.5 | 0.9 | 2.5 | 2.3 | 1.3 | 320 |
| Taraba | 10.2 | 7.4 | 2.3 | 6.6 | 4.7 | 3.2 | 207 |
| Yobe | 7.2 | 5.4 | 4.0 | 8.0 | 7.0 | 5.5 | 393 |
| Zamfara | 4.5 | 3.5 | 2.1 | 4.9 | 3.9 | 3.0 | 486 |
| FCT Abuja | 29.2 | 26.5 | 19.2 | 33.3 | 30.5 | 22.6 | 126 |

¹ MICS indicator 10.2 - Use of computers² MICS indicator 10.3 - Use of internet

Table MT.2M: Use of computers and internet (men)

Percentage of young men age 15-24 years who have ever used a computer and the internet, percentage who have used during the last 12 months, and percentage who have used at least once weekly during the last one month, Nigeria, 2016-17

| | Percentage of men age 15-24 years who have: | | | | | | Number of men age 15-24 years |
|---|---|--|--|------------------------|--|--|-------------------------------|
| | Ever used a computer | Used a computer during the last 12 months ¹ | Used a computer at least once a week during the last one month | Ever used the internet | Used the internet during the last 12 months ² | Used the internet at least once a week during the last one month | |
| Total | 26.5 | 20.6 | 14.2 | 36.5 | 32.0 | 26.2 | 5,887 |
| GeoPolitical zone | | | | | | | |
| North Central | 22.6 | 16.3 | 10.6 | 35.3 | 30.6 | 25.2 | 1,105 |
| North East | 18.4 | 15.4 | 11.3 | 26.2 | 22.2 | 17.7 | 1,193 |
| North West | 15.6 | 11.7 | 8.9 | 25.1 | 21.0 | 17.3 | 1,869 |
| South East | 35.0 | 27.7 | 15.3 | 44.6 | 40.2 | 29.1 | 384 |
| South South | 43.3 | 31.5 | 20.8 | 55.6 | 47.1 | 36.7 | 601 |
| South West | 55.0 | 45.2 | 31.5 | 64.0 | 61.6 | 54.2 | 735 |
| Age (Years) | | | | | | | |
| 15-19 | 21.6 | 15.9 | 10.4 | 29.8 | 25.7 | 20.3 | 3,508 |
| 20-24 | 33.7 | 27.5 | 19.8 | 46.4 | 41.3 | 35.0 | 2,378 |
| Residence | | | | | | | |
| Urban | 43.4 | 35.4 | 26.0 | 54.3 | 49.0 | 41.9 | 2,128 |
| Rural | 16.9 | 12.2 | 7.5 | 26.4 | 22.4 | 17.4 | 3,759 |
| Education | | | | | | | |
| None | 1.0 | 0.9 | 0.0 | 3.1 | 1.3 | 0.4 | 537 |
| Non-formal | 1.2 | 0.5 | 0.5 | 4.7 | 2.6 | 2.1 | 673 |
| Primary | 2.6 | 1.1 | .7 | 7.7 | 4.5 | 3.7 | 563 |
| Secondary | 31.0 | 22.5 | 14.6 | 43.9 | 38.3 | 30.5 | 3,568 |
| Higher | 78.4 | 72.2 | 56.1 | 89.7 | 86.6 | 76.6 | 544 |
| Wealth index quintile | | | | | | | |
| Poorest | 4.7 | 3.7 | 2.0 | 9.0 | 7.1 | 5.3 | 1,106 |
| Second | 9.2 | 7.0 | 3.7 | 18.1 | 14.7 | 11.0 | 1,132 |
| Middle | 18.0 | 10.9 | 6.9 | 31.8 | 25.9 | 20.4 | 1,226 |
| Fourth | 33.5 | 25.1 | 16.8 | 48.5 | 42.7 | 33.8 | 1,219 |
| Richest | 64.4 | 54.0 | 39.9 | 71.7 | 66.8 | 58.1 | 1,203 |
| Ethnicity of household head | | | | | | | |
| Hausa | 14.2 | 10.9 | 7.8 | 24.0 | 19.4 | 15.3 | 2,786 |
| Igbo | 41.2 | 32.2 | 20.4 | 49.4 | 45.2 | 35.5 | 556 |
| Yoruba | 56.3 | 45.6 | 31.7 | 65.2 | 62.6 | 53.7 | 701 |
| Other ethnic group | 29.3 | 22.2 | 15.3 | 40.5 | 35.5 | 29.4 | 1,844 |
| ¹ MICS indicator 10.2 - Use of computers ^[M] ² MICS indicator 10.3 - Use of internet ^[M] | | | | | | | |

Table MT.2M: Use of computers and internet (men) (continued)

Percentage of young men age 15-24 years who have ever used a computer and the internet, percentage who have used during the last 12 months, and percentage who have used at least once weekly during the last one month, Nigeria, 2016-17

| | Percentage of men age 15-24 years who have: | | | | | | Number of men age 15-24 years |
|--------------|---|--|--|------------------------|--|--|-------------------------------|
| | Ever used a computer | Used a computer during the last 12 months ¹ | Used a computer at least once a week during the last one month | Ever used the internet | Used the internet during the last 12 months ² | Used the internet at least once a week during the last one month | |
| Total | 26.5 | 20.6 | 14.2 | 36.5 | 32.0 | 26.2 | 5,887 |
| State | | | | | | | |
| Abia | 57.1 | 39.0 | 21.2 | 73.7 | 64.1 | 53.5 | 54 |
| Adamawa | 21.9 | 15.3 | 10.5 | 39.5 | 35.8 | 32.8 | 158 |
| Akwa Ibom | 27.4 | 14.7 | 11.0 | 42.1 | 31.9 | 22.7 | 138 |
| Anambra | 29.4 | 25.2 | 10.3 | 50.5 | 48.7 | 33.8 | 92 |
| Bauchi | 9.3 | 8.8 | 2.3 | 23.9 | 15.3 | 8.3 | 286 |
| Bayelsa | 28.8 | 21.7 | 10.8 | 63.8 | 57.3 | 44.9 | 43 |
| Benue | 19.9 | 12.4 | 8.4 | 24.3 | 18.8 | 15.9 | 184 |
| Borno | 28.1 | 25.7 | 23.2 | 27.4 | 27.4 | 22.5 | 294 |
| Cross River | 21.7 | 17.8 | 7.5 | 46.1 | 34.4 | 25.6 | 102 |
| Delta | 64.6 | 53.2 | 35.7 | 70.6 | 68.6 | 53.4 | 99 |
| Ebonyi | 33.1 | 27.7 | 18.8 | 31.6 | 25.2 | 16.9 | 57 |
| Edo | 52.8 | 49.4 | 37.9 | 64.9 | 63.3 | 55.0 | 67 |
| Ekiti | 56.7 | 41.6 | 25.0 | 51.1 | 47.1 | 45.1 | 31 |
| Enugu | 31.3 | 22.2 | 7.1 | 20.6 | 16.2 | 5.0 | 83 |
| Gombe | 8.9 | 8.5 | 6.5 | 15.2 | 13.0 | 9.1 | 118 |
| Imo | 32.3 | 28.3 | 21.6 | 50.9 | 47.9 | 39.0 | 98 |
| Jigawa | 2.8 | 1.2 | 1.2 | 12.3 | 9.0 | 9.0 | 214 |
| Kaduna | 18.3 | 9.3 | 8.3 | 21.2 | 12.8 | 10.5 | 361 |
| Kano | 18.8 | 16.3 | 12.5 | 35.5 | 32.9 | 25.9 | 452 |
| Katsina | 20.8 | 17.1 | 8.2 | 30.8 | 28.1 | 26.9 | 263 |
| Kebbi | 15.0 | 10.5 | 9.8 | 19.5 | 15.1 | 12.8 | 180 |
| Kogi | 29.5 | 26.5 | 12.0 | 28.6 | 24.4 | 15.0 | 126 |
| Kwara | 56.7 | 42.4 | 30.2 | 65.9 | 61.6 | 47.1 | 93 |
| Lagos | 64.2 | 58.4 | 40.1 | 67.3 | 64.7 | 57.4 | 226 |
| Nasarawa | 11.2 | 9.5 | 5.6 | 36.8 | 29.0 | 28.0 | 139 |
| Niger | 10.4 | 7.0 | 5.5 | 20.1 | 13.5 | 11.7 | 239 |
| Ogun | 48.4 | 39.5 | 27.4 | 63.2 | 60.2 | 45.0 | 83 |
| Ondo | 36.7 | 22.3 | 13.3 | 67.1 | 65.3 | 55.6 | 92 |
| Osun | 51.3 | 46.5 | 31.5 | 71.2 | 70.2 | 62.9 | 135 |
| Oyo | 58.7 | 42.3 | 33.1 | 55.0 | 52.1 | 48.4 | 168 |
| Plateau | 24.2 | 14.6 | 9.7 | 44.7 | 43.2 | 38.0 | 272 |
| Rivers | 58.4 | 36.8 | 24.1 | 57.9 | 45.6 | 35.6 | 152 |
| Sokoto | 9.4 | 8.1 | 5.6 | 18.3 | 16.9 | 12.8 | 152 |
| Taraba | 14.3 | 7.7 | 3.9 | 16.2 | 13.4 | 10.8 | 91 |
| Yobe | 21.1 | 16.9 | 13.0 | 27.9 | 23.0 | 19.6 | 247 |
| Zamfara | 15.5 | 13.3 | 12.0 | 25.1 | 20.8 | 14.6 | 248 |
| FCT Abuja | 31.3 | 29.8 | 22.2 | 52.1 | 49.1 | 32.1 | 52 |

¹ MICS indicator 10.2 - Use of computers^[M]

² MICS indicator 10.3 - Use of internet^[M]

XIV. Subjective well-being

Table SW.1: Domains of life satisfaction (women)

Percentage of women age 15-24 years who are very or somewhat satisfied in selected domains of satisfaction, Nigeria, 2016-17

| | Percentage of women age 15-24 years who are very or somewhat satisfied in selected domains: | | | | | | Percentage of women age 15-24 years who: | | | Number of women age 15-24 years | Percentage of women age 15-24 years who are very or somewhat satisfied with school | Number of women age 15-24 years attending school | Percentage of women age 15-24 years who are very or somewhat satisfied with their job | Number of women age 15-24 years who have a job | Percentage of women age 15-24 years who are very or somewhat satisfied with their income | Number of women age 15-24 years who have an income |
|--------------------------|---|-------------|-------------|--------------------|---------------------|-------------------|--|-------------|----------------|---------------------------------|--|--|---|--|--|--|
| | Family life | Friendships | Health | Living environment | Treatment by others | The way they look | Are attending school | Have a job | Have an income | | | | | | | |
| Total | 89.5 | 88.3 | 92.9 | 85.1 | 86.8 | 93.9 | 38.7 | 22.5 | 26.1 | 12,637 | 91.9 | 4,890 | 84.5 | 2,848 | 77.0 | 3,304 |
| Geopolitical zone | | | | | | | | | | | | | | | | |
| North Central | 89.3 | 89.5 | 92.8 | 84.2 | 87.2 | 95.6 | 42.9 | 22.8 | 27.3 | 2,212 | 92.1 | 950 | 84.1 | 504 | 81.8 | 603 |
| North East | 88.0 | 88.7 | 92.5 | 85.6 | 86.7 | 93.5 | 30.1 | 9.5 | 11.2 | 2,533 | 91.4 | 763 | 87.9 | 241 | 81.1 | 284 |
| North West | 92.6 | 90.2 | 92.7 | 92.4 | 89.7 | 93.5 | 31.8 | 24.6 | 32.7 | 4,208 | 95.2 | 1,338 | 87.3 | 1,036 | 81.3 | 1,377 |
| South East | 85.1 | 80.6 | 91.3 | 73.8 | 80.7 | 92.0 | 54.8 | 22.1 | 22.0 | 921 | 85.8 | 505 | 67.0 | 204 | 52.4 | 203 |
| South South | 88.7 | 87.0 | 93.5 | 79.7 | 85.8 | 93.8 | 50.2 | 21.8 | 24.0 | 1,290 | 91.2 | 648 | 79.5 | 282 | 69.1 | 309 |
| South West | 87.3 | 86.1 | 95.1 | 76.4 | 82.8 | 94.5 | 46.6 | 39.4 | 35.8 | 1,474 | 90.9 | 686 | 87.2 | 581 | 72.3 | 528 |
| Age (years) | | | | | | | | | | | | | | | | |
| 15-19 | 90.5 | 88.6 | 93.7 | 86.1 | 87.4 | 94.0 | 54.3 | 16.8 | 19.5 | 6,822 | 91.6 | 3,706 | 86.4 | 1,144 | 80.1 | 1,330 |
| 20-24 | 88.4 | 87.9 | 92.0 | 83.9 | 86.2 | 93.8 | 20.4 | 29.3 | 33.9 | 5,816 | 92.6 | 1,184 | 83.3 | 1,704 | 75.0 | 1,974 |
| Residence | | | | | | | | | | | | | | | | |
| Urban | 89.3 | 87.9 | 93.3 | 82.1 | 86.0 | 94.2 | 51.5 | 25.3 | 26.6 | 4,631 | 93.5 | 2,385 | 84.1 | 1,169 | 75.7 | 1,233 |
| Rural | 89.7 | 88.4 | 92.8 | 86.8 | 87.2 | 93.7 | 31.3 | 21.0 | 25.9 | 8,007 | 90.3 | 2,506 | 84.8 | 1,679 | 77.9 | 2,071 |
| Marital Status | | | | | | | | | | | | | | | | |
| Ever married/in union | 90.1 | 89.0 | 92.0 | 88.0 | 87.8 | 93.7 | 10.6 | 25.7 | 32.7 | 5,365 | 96.1 | 570 | 86.5 | 1,378 | 79.4 | 1,756 |
| Never married/in union | 89.2 | 87.7 | 93.7 | 82.9 | 86.0 | 94.1 | 59.5 | 20.2 | 21.2 | 7,222 | 91.3 | 4,298 | 82.5 | 1,457 | 74.1 | 1,533 |

Table SW.1: Domains of life satisfaction (women) continued

Percentage of women age 15-24 years who are very or somewhat satisfied in selected domains of satisfaction, Nigeria, 2016-17

| | Percentage of women age 15-24 years who are very or somewhat satisfied in selected domains: | | | | | | Percentage of women age 15-24 years who: | | | Number of women age 15-24 years | Percentage of women age 15-24 years who are very or somewhat satisfied with school | Number of women age 15-24 years attending school | Percentage of women age 15-24 years who are very or somewhat satisfied with their job | Number of women age 15-24 years who have a job | Percentage of women age 15-24 years who are very or somewhat satisfied with their income | Number of women age 15-24 years who have an income |
|------------------------------------|---|-------------|--------|--------------------|---------------------|-------------------|--|------------|----------------|---------------------------------|--|--|---|--|--|--|
| | Family life | Friendships | Health | Living environment | Treatment by others | The way they look | Are attending school | Have a job | Have an income | | | | | | | |
| Education | | | | | | | | | | | | | | | | |
| None | 90.8 | 89.2 | 92.5 | 90.2 | 87.1 | 93.7 | 7.2 | 19.5 | 25.5 | 2,215 | 97.4 | 160 | 85.8 | 433 | 78.6 | 564 |
| Non-formal | 89.3 | 91.2 | 91.8 | 88.3 | 89.2 | 93.3 | 23.0 | 24.8 | 29.9 | 1,734 | 93.1 | 399 | 89.0 | 430 | 85.0 | 518 |
| Primary | 87.6 | 84.8 | 91.5 | 84.0 | 85.3 | 91.8 | 22.3 | 20.7 | 27.1 | 1,313 | 91.3 | 293 | 82.0 | 272 | 78.6 | 356 |
| Secondary | 89.6 | 87.9 | 93.5 | 83.3 | 86.5 | 94.4 | 53.3 | 23.0 | 24.7 | 6,501 | 91.4 | 3,463 | 84.2 | 1,495 | 74.5 | 1,607 |
| Higher | 89.0 | 88.0 | 94.6 | 80.8 | 86.1 | 95.2 | 65.9 | 25.0 | 29.7 | 874 | 93.0 | 575 | 78.5 | 218 | 71.7 | 260 |
| Wealth index quintile | | | | | | | | | | | | | | | | |
| Poorest | 91.4 | 89.4 | 92.9 | 90.1 | 88.0 | 93.1 | 19.4 | 21.8 | 26.9 | 1,988 | 92.6 | 386 | 88.2 | 434 | 85.3 | 536 |
| Second | 88.8 | 88.2 | 92.8 | 87.9 | 87.2 | 92.4 | 27.7 | 20.3 | 25.4 | 2,507 | 91.3 | 694 | 88.0 | 508 | 80.6 | 636 |
| Middle | 86.5 | 88.1 | 92.7 | 83.2 | 86.3 | 94.1 | 37.7 | 19.1 | 25.1 | 2,711 | 90.4 | 1,022 | 81.2 | 519 | 74.8 | 681 |
| Fourth | 89.6 | 88.0 | 92.1 | 83.4 | 86.9 | 93.9 | 48.6 | 23.2 | 24.9 | 2,636 | 91.7 | 1,280 | 81.5 | 612 | 73.6 | 655 |
| Richest | 91.8 | 87.8 | 94.2 | 82.3 | 85.9 | 95.7 | 54.0 | 27.7 | 28.5 | 2,796 | 93.2 | 1,508 | 84.8 | 774 | 73.4 | 796 |
| Ethnicity of household head | | | | | | | | | | | | | | | | |
| Hausa | 91.2 | 89.5 | 92.4 | 89.8 | 88.9 | 94.3 | 30.5 | 20.2 | 26.1 | 6,088 | 94.1 | 1,856 | 87.6 | 1,229 | 82.3 | 1,587 |
| Igbo | 86.3 | 82.2 | 92.2 | 74.7 | 81.5 | 91.5 | 52.8 | 24.2 | 23.6 | 1,256 | 87.1 | 663 | 73.8 | 304 | 57.5 | 296 |
| Yoruba | 87.5 | 87.1 | 94.7 | 77.3 | 83.8 | 94.5 | 50.2 | 38.7 | 36.5 | 1,424 | 91.4 | 716 | 86.6 | 552 | 73.2 | 521 |
| Other ethnic group | 88.8 | 88.7 | 93.4 | 83.8 | 86.3 | 93.9 | 42.8 | 19.7 | 23.3 | 3,869 | 91.5 | 1,655 | 82.4 | 763 | 76.5 | 900 |

Table SW.1: Domains of life satisfaction (women) continued.

Percentage of women age 15-24 years who are very or somewhat satisfied in selected domains of satisfaction, Nigeria, 2016-17

| | Percentage of women age 15-24 years who are very or somewhat satisfied in selected domains: | | | | | | Percentage of women age 15-24 years who: | | | Number of women age 15-24 years | Percentage of women age 15-24 years who are very or somewhat satisfied with school | Number of women age 15-24 years attending school | Percentage of women age 15-24 years who are very or somewhat satisfied with their job | Number of women age 15-24 years who have a job | Percentage of women age 15-24 years who are very or somewhat satisfied with their income | Number of women age 15-24 years who have an income |
|--------------|---|-------------|-------------|--------------------|---------------------|-------------------|--|-------------|----------------|---------------------------------|--|--|---|--|--|--|
| | Family life | Friendships | Health | Living environment | Treatment by others | The way they look | Are attending school | Have a job | Have an income | | | | | | | |
| Total | 89.5 | 88.3 | 92.9 | 85.1 | 86.8 | 93.9 | 38.7 | 22.5 | 26.1 | 12,637 | 91.9 | 4,890 | 84.5 | 2,848 | 77.0 | 3,304 |
| State | | | | | | | | | | | | | | | | |
| Abia | 90.8 | 86.3 | 92.7 | 76.6 | 79.9 | 96.5 | 48.2 | 27.6 | 27.6 | 108 | 85.1 | 52 | 66.0 | 30 | 58.5 | 30 |
| Adamawa | 95.4 | 94.0 | 94.8 | 95.0 | 91.9 | 96.0 | 35.7 | 13.5 | 19.0 | 310 | 92.2 | 111 | (92.7) | 42 | 90.6 | 59 |
| Akwa Ibom | 92.7 | 86.7 | 89.5 | 87.9 | 83.8 | 92.4 | 40.4 | 27.5 | 33.8 | 325 | 94.0 | 131 | 88.8 | 89 | 82.5 | 110 |
| Anambra | 80.7 | 83.0 | 91.6 | 72.1 | 78.5 | 95.7 | 56.2 | 24.0 | 24.0 | 228 | 84.1 | 128 | 74.9 | 55 | 65.3 | 55 |
| Bauchi | 94.7 | 89.8 | 95.7 | 92.6 | 89.9 | 96.8 | 18.3 | 6.6 | 8.0 | 607 | 97.4 | 111 | (90.0) | 40 | (91.4) | 49 |
| Bayelsa | 82.1 | 85.3 | 91.1 | 60.6 | 81.5 | 93.5 | 39.3 | 18.7 | 21.0 | 90 | 72.6 | 35 | (47.8) | 17 | 43.7 | 19 |
| Benue | 91.2 | 91.4 | 94.3 | 90.9 | 91.4 | 92.9 | 48.1 | 13.4 | 24.1 | 368 | 94.7 | 177 | (89.2) | 49 | 82.8 | 89 |
| Borno | 80.3 | 90.9 | 92.2 | 74.8 | 84.2 | 92.1 | 38.0 | 11.1 | 7.2 | 783 | 89.3 | 297 | (*) | 87 | (*) | 56 |
| Cross River | 92.4 | 87.7 | 95.5 | 81.7 | 87.6 | 92.2 | 58.4 | 13.8 | 14.6 | 248 | 96.7 | 145 | (72.9) | 34 | (63.2) | 36 |
| Delta | 88.2 | 84.6 | 97.6 | 76.5 | 86.2 | 94.0 | 57.9 | 22.5 | 23.8 | 202 | 92.5 | 117 | 89.1 | 45 | 76.1 | 48 |
| Ebonyi | 79.8 | 71.3 | 85.4 | 65.0 | 78.9 | 77.8 | 53.6 | 26.6 | 26.4 | 167 | 74.3 | 90 | 53.8 | 44 | 27.5 | 44 |
| Edo | 90.4 | 90.9 | 96.3 | 88.5 | 87.6 | 95.9 | 67.2 | 27.3 | 27.0 | 163 | 93.7 | 109 | 83.5 | 44 | 70.0 | 44 |
| Ekiti | 85.4 | 88.5 | 95.8 | 86.1 | 87.4 | 92.6 | 48.3 | 27.1 | 24.5 | 67 | 97.1 | 32 | (88.8) | 18 | (77.9) | 16 |
| Enugu | 88.4 | 76.1 | 90.1 | 69.8 | 83.2 | 92.3 | 53.4 | 16.3 | 16.8 | 198 | 89.4 | 106 | (59.5) | 32 | (48.2) | 33 |
| Gombe | 81.4 | 82.0 | 89.5 | 80.5 | 78.9 | 86.6 | 25.0 | 5.3 | 12.0 | 232 | 85.7 | 58 | (*) | 12 | (76.1) | 28 |
| Imo | 87.8 | 86.6 | 95.9 | 84.3 | 82.3 | 96.4 | 58.7 | 19.3 | 18.6 | 220 | 92.8 | 129 | (77.1) | 42 | (61.0) | 41 |
| Jigawa | 94.0 | 92.1 | 91.0 | 91.8 | 87.4 | 87.4 | 24.4 | 14.6 | 17.2 | 481 | 89.5 | 117 | 91.5 | 70 | 76.0 | 83 |
| Kaduna | 93.7 | 86.6 | 95.0 | 90.1 | 89.2 | 96.0 | 38.7 | 13.4 | 26.2 | 859 | 97.2 | 332 | 82.1 | 115 | 75.6 | 225 |
| Kano | 87.5 | 86.5 | 87.7 | 90.3 | 86.4 | 90.0 | 33.8 | 21.7 | 38.8 | 971 | 92.8 | 328 | 84.1 | 210 | 75.3 | 377 |

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table SW.1: Domains of life satisfaction (women) continued.

Percentage of women age 15-24 years who are very or somewhat satisfied in selected domains of satisfaction, Nigeria, 2016-17

| State | Percentage of women age 15-24 years who are very or somewhat satisfied in selected domains: | | | | | | Percentage of women age 15-24 years who: | | | | Number of women age 15-24 years who are very or somewhat satisfied with school | Number of women age 15-24 years who are very or somewhat satisfied with attending school | Percentage of women age 15-24 years who are very or somewhat satisfied with their job | Number of women age 15-24 years who have a job | Percentage of women age 15-24 years who are very or somewhat satisfied with their income | Number of women age 15-24 years who have an income |
|-----------|---|-------------|--------|--------------------|---------------------|-------------------|--|------------|----------------|---------------------------------|--|--|---|--|--|--|
| | Family life | Friendships | Health | Living environment | Treatment by others | The way they look | Are attending school | Have a job | Have an income | Number of women age 15-24 years | | | | | | |
| Katsina | 92.0 | 91.1 | 93.5 | 92.5 | 88.2 | 93.1 | 27.2 | 39.3 | 40.0 | 729 | 97.9 | 199 | 90.3 | 287 | 88.3 | 292 |
| Kebbi | 92.6 | 88.7 | 94.4 | 92.3 | 88.9 | 94.7 | 31.4 | 34.1 | 36.0 | 361 | 93.9 | 113 | 94.9 | 123 | 90.3 | 130 |
| Kogi | 82.9 | 82.9 | 87.1 | 75.0 | 80.3 | 92.0 | 54.2 | 25.5 | 28.6 | 249 | 87.2 | 135 | 69.1 | 63 | 72.6 | 71 |
| Kwara | 90.8 | 92.6 | 92.3 | 86.8 | 90.1 | 93.2 | 48.7 | 25.1 | 26.3 | 155 | 90.7 | 76 | 86.3 | 39 | 85.2 | 41 |
| Lagos | 88.3 | 85.0 | 94.8 | 69.1 | 79.9 | 94.0 | 40.7 | 38.9 | 36.1 | 488 | 92.6 | 199 | 85.1 | 190 | 70.3 | 176 |
| Nasarawa | 92.2 | 87.9 | 95.8 | 82.8 | 84.7 | 97.9 | 35.6 | 24.0 | 35.0 | 283 | 92.8 | 101 | 87.3 | 68 | 81.0 | 99 |
| Niger | 85.5 | 91.2 | 93.0 | 85.5 | 88.1 | 97.7 | 31.6 | 31.6 | 33.7 | 534 | 93.4 | 169 | 85.7 | 169 | 87.3 | 180 |
| Ogun | 89.1 | 80.1 | 97.2 | 85.0 | 86.5 | 94.5 | 44.3 | 43.6 | 39.5 | 155 | 94.4 | 69 | 84.1 | 68 | 76.5 | 61 |
| Ondo | 90.5 | 89.0 | 94.6 | 81.6 | 83.4 | 95.0 | 52.5 | 38.6 | 34.1 | 206 | 94.1 | 108 | 85.9 | 80 | 66.2 | 70 |
| Osun | 85.6 | 87.3 | 97.0 | 85.1 | 86.3 | 96.0 | 50.4 | 44.8 | 40.3 | 250 | 91.1 | 126 | 90.5 | 112 | 83.0 | 101 |
| Oyo | 84.7 | 87.3 | 93.2 | 71.1 | 81.4 | 94.0 | 49.4 | 37.1 | 33.6 | 308 | 83.2 | 152 | 90.0 | 114 | 66.1 | 103 |
| Plateau | 92.9 | 90.7 | 93.1 | 83.5 | 89.1 | 97.8 | 46.6 | 20.1 | 20.8 | 497 | 91.5 | 231 | 88.3 | 100 | 80.8 | 103 |
| Rivers | 81.7 | 86.6 | 92.7 | 71.2 | 86.9 | 95.5 | 42.0 | 19.7 | 19.9 | 262 | 82.6 | 110 | (66.1) | 52 | (47.2) | 52 |
| Sokoto | 95.8 | 96.8 | 95.6 | 97.1 | 98.4 | 98.6 | 27.9 | 23.2 | 27.1 | 320 | 95.4 | 89 | 97.4 | 74 | 95.6 | 87 |
| Taraba | 90.9 | 80.3 | 80.1 | 85.8 | 75.7 | 91.3 | 37.1 | 18.7 | 30.8 | 207 | 86.7 | 77 | 98.8 | 39 | 66.0 | 64 |
| Yobe | 89.5 | 87.0 | 94.7 | 91.8 | 92.7 | 94.4 | 27.9 | 5.5 | 7.3 | 393 | 96.5 | 110 | (*) | 22 | (*) | 29 |
| Zamfara | 98.3 | 97.2 | 95.9 | 97.6 | 96.3 | 98.9 | 32.8 | 32.2 | 37.7 | 486 | 97.3 | 160 | 76.9 | 157 | 78.8 | 183 |
| FCT-Abuja | 89.6 | 84.7 | 91.5 | 80.7 | 80.6 | 90.1 | 48.5 | 12.6 | 15.7 | 126 | 94.4 | 61 | 64.8 | 16 | 63.4 | 20 |

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table SW.1M: Domains of life satisfaction (men)

Percentage of men age 15-24 years who are very or somewhat satisfied in selected domains of satisfaction, Nigeria, 2016-17

| | Percentage of men age 15-24 years who are very or somewhat satisfied in selected domains: | | | | | | Percentage of men age 15-24 years who: | | | | | Percentage of men age 15-24 years who are very or somewhat satisfied with school | Number of men age 15-24 years attending school | Percentage of men age 15-24 years who are very or somewhat satisfied with their job | Number of men age 15-24 years who have a job | Percentage of men age 15-24 years who are very or somewhat satisfied with their income | Number of men age 15-24 years who have an income |
|--------------------------|---|-------------|-------------|--------------------|---------------------|-------------------|--|-------------|----------------|-------------------------------|-------------|--|--|---|--|--|--|
| | Family life | Friendships | Health | Living environment | Treatment by others | The way they look | Are attending school | Have a job | Have an income | Number of men age 15-24 years | | | | | | | |
| Total | 88.9 | 88.3 | 92.1 | 84.3 | 86.7 | 93.1 | 51.1 | 47.6 | 50.9 | 5887 | 90.5 | 3008 | 81.2 | 2803 | 72.7 | 2,998 | |
| Geopolitical zone | | | | | | | | | | | | | | | | | |
| North Central | 89.0 | 90.3 | 90.1 | 85.1 | 89.3 | 91.4 | 53.5 | 44.5 | 45.4 | 1105 | 90.8 | 591 | 81.6 | 491 | 76.1 | 501 | |
| North East | 88.4 | 90.5 | 96.2 | 93.5 | 90.2 | 97.3 | 50.7 | 40.4 | 47.0 | 1193 | 97.9 | 605 | 82.4 | 482 | 74.6 | 560 | |
| North West | 88.0 | 85.9 | 87.8 | 83.3 | 84.9 | 89.2 | 47.6 | 64.4 | 68.7 | 1869 | 87.9 | 890 | 82.8 | 1204 | 74.2 | 1,285 | |
| South East | 88.8 | 81.8 | 90.2 | 79.7 | 75.8 | 95.7 | 59.6 | 35.2 | 36.6 | 384 | 89.6 | 229 | 68.2 | 135 | 55.1 | 140 | |
| South South | 91.5 | 92.4 | 96.4 | 78.5 | 87.6 | 95.4 | 50.5 | 29.3 | 28.2 | 601 | 92.0 | 303 | 72.5 | 176 | 61.1 | 169 | |
| South West | 89.9 | 87.5 | 97.0 | 77.7 | 86.9 | 95.7 | 53.1 | 42.8 | 46.6 | 735 | 84.1 | 390 | 82.6 | 314 | 71.9 | 342 | |
| Age (years) | | | | | | | | | | | | | | | | | |
| 15-19 | 89.1 | 88.6 | 92.4 | 84.9 | 86.6 | 93.0 | 61.2 | 39.8 | 42.5 | 3508 | 90.1 | 2145 | 82.5 | 1397 | 75.4 | 1,489 | |
| 20-24 | 88.7 | 87.8 | 91.6 | 83.4 | 86.9 | 93.2 | 36.3 | 59.1 | 63.4 | 2378 | 91.6 | 862 | 79.9 | 1406 | 70.0 | 1,509 | |
| Residence | | | | | | | | | | | | | | | | | |
| Urban | 88.9 | 87.9 | 92.2 | 85.3 | 86.5 | 94.1 | 59.9 | 40.0 | 44.3 | 2128 | 91.6 | 1274 | 82.5 | 852 | 71.7 | 942 | |
| Rural | 88.9 | 88.5 | 92.0 | 83.7 | 86.9 | 92.5 | 46.1 | 51.9 | 54.7 | 3759 | 89.7 | 1734 | 80.6 | 1951 | 73.2 | 2,055 | |
| Marital Status | | | | | | | | | | | | | | | | | |
| Ever married/in union | 85.9 | 83.1 | 85.7 | 82.9 | 85.7 | 93.6 | 15.1 | 84.9 | 85.9 | 277 | 81.9 | 42 | 80.7 | 235 | 71.7 | 238 | |
| Never married/in union | 89.1 | 88.6 | 92.5 | 84.4 | 86.8 | 93.1 | 52.9 | 45.8 | 49.2 | 5607 | 90.6 | 2966 | 81.2 | 2567 | 72.8 | 2,759 | |

Table SW.1M: Domains of life satisfaction (men)

Percentage of men age 15-24 years who are very or somewhat satisfied in selected domains of satisfaction, Nigeria, 2016-17

| | Percentage of men age 15-24 years who are very or somewhat satisfied in selected domains: | | | | | | Percentage of men age 15-24 years who: | | | | Percentage of men age 15-24 years who are very or somewhat satisfied with school | Number of men age 15-24 years attending school | Percentage of men age 15-24 years who are very or somewhat satisfied with their job | Number of men age 15-24 years who have a job | Percentage of men age 15-24 years who are very or somewhat satisfied with their income | Number of men age 15-24 years who have an income |
|------------------------------------|---|-------------|--------|--------------------|---------------------|-------------------|--|------------|----------------|-------------------------------|--|--|---|--|--|--|
| | Family life | Friendships | Health | Living environment | Treatment by others | The way they look | Are attending school | Have a job | Have an income | Number of men age 15-24 years | | | | | | |
| Education | | | | | | | | | | | | | | | | |
| None | 80.2 | 82.7 | 91.0 | 87.7 | 83.6 | 94.1 | 9.9 | 65.4 | 70.2 | 537 | 93.9 | 53 | 74.2 | 351 | 65.8 | 377 |
| Non-formal | 89.2 | 90.2 | 89.7 | 86.7 | 88.4 | 90.9 | 37.4 | 64.7 | 63.6 | 673 | 89.5 | 252 | 88.2 | 436 | 79.9 | 428 |
| Primary | 86.6 | 85.7 | 89.0 | 79.0 | 84.3 | 88.8 | 37.5 | 57.7 | 60.0 | 563 | 87.6 | 211 | 75.3 | 325 | 69.2 | 338 |
| Secondary | 90.2 | 89.3 | 93.0 | 84.2 | 87.2 | 93.6 | 59.0 | 41.8 | 44.8 | 3568 | 90.6 | 2105 | 82.1 | 1492 | 73.6 | 1,599 |
| Higher | 91.2 | 87.3 | 93.2 | 84.1 | 87.1 | 96.2 | 70.8 | 36.6 | 46.9 | 544 | 91.7 | 385 | 80.2 | 199 | 70.0 | 255 |
| Wealth index quintile | | | | | | | | | | | | | | | | |
| Poorest | 87.7 | 88.3 | 90.7 | 87.4 | 86.8 | 91.6 | 34.5 | 61.6 | 63.4 | 1106 | 91.7 | 382 | 80.3 | 681 | 74.2 | 701 |
| Second | 88.2 | 87.7 | 92.3 | 85.1 | 87.2 | 92.0 | 42.4 | 54.5 | 59.4 | 1132 | 90.9 | 480 | 81.6 | 617 | 75.2 | 672 |
| Middle | 89.2 | 87.8 | 90.8 | 83.2 | 87.7 | 93.6 | 59.8 | 47.0 | 49.1 | 1226 | 90.1 | 733 | 80.6 | 576 | 73.5 | 602 |
| Fourth | 88.5 | 88.6 | 92.4 | 81.3 | 85.5 | 93.6 | 60.4 | 41.9 | 44.3 | 1219 | 90.0 | 736 | 81.7 | 511 | 71.1 | 541 |
| Richest | 90.8 | 88.9 | 94.3 | 84.8 | 86.5 | 94.6 | 56.2 | 34.8 | 40.1 | 1203 | 90.6 | 677 | 82.0 | 419 | 67.9 | 483 |
| Ethnicity of household head | | | | | | | | | | | | | | | | |
| Hausa | 87.9 | 87.9 | 90.6 | 88.0 | 86.9 | 92.3 | 47.7 | 55.7 | 60.3 | 2786 | 92.0 | 1328 | 82.4 | 1551 | 74.0 | 1,681 |
| Igbo | 87.8 | 82.6 | 90.7 | 77.9 | 78.6 | 94.9 | 51.8 | 39.7 | 40.3 | 556 | 88.9 | 288 | 69.6 | 221 | 52.7 | 224 |
| Yoruba | 90.4 | 88.6 | 96.3 | 75.6 | 86.6 | 95.2 | 60.5 | 39.9 | 43.6 | 701 | 83.0 | 423 | 84.5 | 280 | 74.6 | 305 |
| Other ethnic group | 90.2 | 90.4 | 93.2 | 83.9 | 89.0 | 93.0 | 52.5 | 40.8 | 42.7 | 1844 | 92.2 | 968 | 80.7 | 752 | 75.0 | 787 |

Table SW.1M: Domains of life satisfaction (men) continued.

Percentage of men age 15-24 years who are very or somewhat satisfied in selected domains of satisfaction, Nigeria, 2016-17

| | Percentage of men age 15-24 years who are very or somewhat satisfied in selected domains: | | | | | | Percentage of men age 15-24 years who: | | | | Number of men age 15-24 years attending school | Percentage of men age 15-24 years who are very or somewhat satisfied with school | Number of men age 15-24 years who are very or somewhat satisfied with their job | Percentage of men age 15-24 years who are very or somewhat satisfied with their income | Number of men age 15-24 years who have an income | |
|--------------|---|-------------|-------------|--------------------|---------------------|-------------------|--|-------------|----------------|--------------------|--|--|---|--|--|--------------|
| | Family life | Friendships | Health | Living environment | Treatment by others | The way they look | Are attending school | Have a job | Have an income | en age 15-24 years | | | | | | |
| Total | 88.9 | 88.3 | 92.1 | 84.3 | 86.7 | 93.1 | 51.1 | 47.6 | 50.9 | 5,887 | 90.5 | 3,008 | 81.2 | 2,803 | 72.7 | 2,998 |
| State | | | | | | | | | | | | | | | | |
| Abia | 94.4 | 86.8 | 94.5 | 81.5 | 79.1 | 96.3 | 61.6 | 37.2 | 55.5 | 54 | 79.5 | 33 | (69.5) | 20 | 67.0 | 30 |
| Adamawa | 88.3 | 90.2 | 95.6 | 94.5 | 91.7 | 95.0 | 54.2 | 49.3 | 57.9 | 158 | 96.9 | 85 | 91.3 | 78 | 92.7 | 91 |
| Akwa Ibom | 100.0 | 95.4 | 100.0 | 96.3 | 99.6 | 100.0 | 56.2 | 25.3 | 23.3 | 138 | 95.0 | 77 | (90.1) | 35 | (82.7) | 32 |
| Anambra | 77.1 | 51.9 | 87.9 | 84.7 | 48.5 | 89.3 | 57.8 | 30.2 | 28.0 | 92 | 94.5 | 53 | (52.4) | 28 | (21.6) | 26 |
| Bauchi | 70.2 | 78.6 | 98.6 | 93.5 | 76.4 | 99.6 | 21.0 | 70.7 | 74.8 | 286 | 93.6 | 60 | 67.8 | 202 | 51.1 | 214 |
| Bayelsa | 68.1 | 80.9 | 91.9 | 52.1 | 75.4 | 96.0 | 55.4 | 40.5 | 40.7 | 43 | 84.6 | 24 | 51.9 | 17 | 35.5 | 17 |
| Benue | 84.0 | 78.8 | 79.1 | 72.6 | 76.6 | 75.4 | 35.1 | 61.5 | 67.3 | 184 | 76.2 | 65 | 80.8 | 113 | 74.3 | 124 |
| Borno | 99.3 | 100.0 | 97.6 | 95.1 | 98.8 | 100.0 | 73.7 | 35.9 | 34.0 | 294 | (100.0) | 216 | (97.7) | 105 | (95.2) | 100 |
| Cross River | 89.4 | 98.3 | 95.9 | 86.6 | 90.6 | 94.4 | 45.0 | 28.9 | 25.5 | 102 | 90.8 | 46 | (83.9) | 29 | (73.5) | 26 |
| Delta | 89.6 | 89.9 | 97.7 | 45.7 | 75.1 | 94.7 | 43.4 | 32.3 | 29.6 | 99 | 78.1 | 43 | (45.0) | 32 | (33.4) | 29 |
| Ebonyi | 84.5 | 97.4 | 86.6 | 31.3 | 82.5 | 99.4 | 75.2 | 14.9 | 15.0 | 57 | 87.5 | 43 | (*) | 8 | (*) | 9 |
| Edo | 94.0 | 87.2 | 95.8 | 88.3 | 84.4 | 95.2 | 63.0 | 16.8 | 19.4 | 67 | 95.3 | 42 | (*) | 11 | (89.6) | 13 |
| Ekiti | 87.3 | 92.6 | 98.8 | 80.1 | 86.9 | 95.1 | 56.3 | 32.0 | 38.2 | 31 | (96.6) | 17 | (*) | 10 | (77.6) | 12 |
| Enugu | 98.9 | 92.8 | 97.2 | 91.1 | 88.1 | 99.3 | 52.3 | 39.3 | 38.4 | 83 | 97.5 | 43 | (83.3) | 33 | (75.7) | 32 |
| Gombe | 97.5 | 96.1 | 98.1 | 94.1 | 94.3 | 93.8 | 41.3 | 22.0 | 35.5 | 118 | 100.0 | 49 | 94.6 | 26 | 90.7 | 42 |
| Imo | 90.7 | 88.8 | 86.2 | 92.7 | 85.1 | 96.2 | 57.2 | 47.2 | 45.3 | 98 | 86.5 | 56 | 71.7 | 46 | 57.1 | 45 |
| Jigawa | 98.7 | 97.1 | 96.5 | 97.6 | 96.7 | 96.4 | 46.5 | 54.5 | 65.0 | 214 | 100.0 | 100 | 98.4 | 117 | 99.2 | 139 |
| Kaduna | 68.5 | 56.8 | 72.2 | 64.5 | 64.4 | 72.3 | 48.7 | 82.5 | 77.2 | 361 | 70.9 | 176 | 82.9 | 298 | 68.4 | 279 |
| Kano | 90.1 | 89.9 | 92.7 | 83.2 | 86.2 | 94.6 | 55.0 | 54.4 | 54.5 | 452 | 86.7 | 248 | 78.4 | 246 | 72.3 | 246 |

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table SW.1M: Domains of life satisfaction (men) continued.

Percentage of men age 15-24 years who are very or somewhat satisfied in selected domains of satisfaction, Nigeria, 2016-17

| | Percentage of men age 15-24 years who are very or somewhat satisfied in selected domains: | | | | | Percentage of men age 15-24 years who: | | | | | Number of men age 15-24 years attending school | Percentage of men age 15-24 years who are very or somewhat satisfied with their job | Number of men age 15-24 years who have a job | Percentage of men age 15-24 years who are very or somewhat satisfied with their income | Number of men age 15-24 years who have an income | |
|--------------|---|-------------|--------|--------------------|---------------------|--|----------------------|------------|----------------|-------------------------------|--|---|--|--|--|--|
| | Family life | Friendships | Health | Living environment | Treatment by others | The way they look | Are attending school | Have a job | Have an income | Number of men age 15-24 years | | | | | | Percentage of men age 15-24 years who are very or somewhat satisfied with school |
| State | | | | | | | | | | | | | | | | |
| Katsina | 100.0 | 98.4 | 96.4 | 93.9 | 96.8 | 100.0 | 48.6 | 58.4 | 75.1 | 263 | 98.5 | 128 | 68.5 | 154 | 45.5 | 198 |
| Kebbi | 75.4 | 83.2 | 77.6 | 71.9 | 72.5 | 72.4 | 50.4 | 77.8 | 83.5 | 180 | 83.0 | 91 | 79.2 | 140 | 78.0 | 150 |
| Kogi | 90.8 | 90.8 | 92.0 | 90.3 | 89.4 | 91.2 | 72.7 | 29.1 | 28.5 | 126 | 94.9 | 92 | 89.5 | 37 | 74.2 | 36 |
| Kwara | 83.1 | 85.5 | 84.3 | 54.3 | 72.8 | 91.0 | 65.1 | 42.2 | 42.9 | 93 | 68.4 | 60 | 69.3 | 39 | 74.1 | 40 |
| Lagos | 89.4 | 89.7 | 97.4 | 79.6 | 91.7 | 96.5 | 37.8 | 30.8 | 31.5 | 226 | 91.5 | 85 | 86.3 | 70 | 59.9 | 71 |
| Nasarawa | 100.0 | 100.0 | 97.9 | 98.7 | 98.5 | 100.0 | 64.9 | 37.9 | 32.6 | 139 | 98.8 | 90 | 99.4 | 53 | 99.3 | 45 |
| Niger | 85.8 | 86.8 | 84.0 | 83.4 | 86.4 | 88.3 | 52.3 | 44.2 | 49.9 | 239 | 91.1 | 125 | 77.0 | 106 | 75.9 | 119 |
| Ogun | 97.9 | 90.2 | 97.2 | 83.2 | 85.8 | 93.9 | 56.1 | 62.4 | 73.0 | 83 | 88.4 | 47 | 91.3 | 52 | 87.7 | 61 |
| Ondo | 96.1 | 94.1 | 100.0 | 84.3 | 93.6 | 97.6 | 54.9 | 28.0 | 30.7 | 92 | 83.7 | 51 | (65.9) | 26 | (60.6) | 28 |
| Osun | 93.2 | 87.3 | 96.7 | 83.4 | 92.4 | 95.2 | 69.6 | 50.9 | 52.9 | 135 | 91.8 | 94 | 92.0 | 69 | 91.5 | 71 |
| Oyo | 81.0 | 78.6 | 94.5 | 63.8 | 73.1 | 95.0 | 57.2 | 52.6 | 58.8 | 168 | 65.7 | 96 | 72.1 | 89 | 59.4 | 99 |
| Plateau | 88.9 | 96.6 | 98.5 | 95.4 | 99.5 | 99.2 | 46.0 | 48.9 | 46.0 | 272 | 98.3 | 125 | 81.2 | 133 | 71.8 | 125 |
| Rivers | 92.0 | 92.8 | 94.0 | 81.3 | 87.6 | 92.3 | 46.7 | 33.7 | 33.8 | 152 | 98.2 | 71 | (74.9) | 51 | (58.4) | 51 |
| Sokoto | 99.6 | 99.6 | 99.6 | 99.6 | 97.7 | 98.5 | 31.1 | 78.1 | 80.6 | 152 | (100.0) | 47 | 97.9 | 119 | 95.8 | 122 |
| Taraba | 87.2 | 84.3 | 81.7 | 73.6 | 78.1 | 89.7 | 40.0 | 47.3 | 64.6 | 91 | 89.3 | 36 | 78.5 | 43 | 67.6 | 59 |
| Yobe | 92.8 | 92.9 | 96.5 | 97.8 | 97.5 | 97.5 | 64.1 | 11.6 | 22.3 | 247 | 98.5 | 158 | (100.0) | 29 | (93.9) | 55 |
| Zamfara | 92.4 | 91.8 | 85.0 | 85.5 | 90.9 | 92.6 | 40.6 | 53.3 | 60.6 | 248 | 93.6 | 100 | 84.3 | 132 | 81.1 | 150 |
| FCT-Abuja | 98.2 | 95.8 | 98.8 | 89.3 | 98.2 | 99.4 | 64.8 | 21.2 | 23.1 | 52 | 97.6 | 34 | (69.4) | 11 | (67.1) | 12 |

() Sample data are based on 25-49 unweighted cases

Table SW.2: Overall life satisfaction and happiness (women)

Percentage of women age 15-24 years who are very or somewhat satisfied with their life overall, the average overall life satisfaction score, and percentage of women age 15-24 years who are very or somewhat happy, Nigeria, 2016-17

| | Percentage of women with overall life satisfaction ¹ | Average life satisfaction score | Percentage of women who are very or somewhat happy ² | Number of women age 15-24 years |
|--|---|---------------------------------|---|---------------------------------|
| Total | 88.5 | 1.6 | 91.0 | 12,637 |
| Geopolitical zone | | | | |
| North Central | 89.0 | 1.6 | 90.6 | 2,212 |
| North East | 85.2 | 1.7 | 89.1 | 2,533 |
| North West | 92.6 | 1.4 | 95.1 | 4,208 |
| South East | 81.7 | 1.7 | 90.8 | 921 |
| South South | 86.5 | 1.7 | 89.3 | 1,290 |
| South West | 87.6 | 1.6 | 85.1 | 1,474 |
| Age (years) | | | | |
| 15-19 | 89.9 | 1.5 | 91.4 | 6,822 |
| 20-24 | 86.9 | 1.6 | 90.6 | 5,816 |
| Residence | | | | |
| Urban | 88.9 | 1.6 | 89.4 | 4,631 |
| Rural | 88.3 | 1.6 | 92.0 | 8,007 |
| Marital Status | | | | |
| Ever married/in union | 89.1 | 1.6 | 92.5 | 5,365 |
| Never married/in union | 88.1 | 1.6 | 90.0 | 7,222 |
| Education | | | | |
| None | 88.1 | 1.5 | 93.4 | 2,215 |
| Non-formal | 91.1 | 1.5 | 92.0 | 1,734 |
| Primary | 87.1 | 1.6 | 88.5 | 1,313 |
| Secondary | 88.3 | 1.6 | 90.8 | 6,501 |
| Higher | 87.8 | 1.6 | 88.6 | 874 |
| Wealth index quintile | | | | |
| Poorest | 90.0 | 1.5 | 94.3 | 1,988 |
| Second | 87.6 | 1.6 | 91.0 | 2,507 |
| Middle | 86.4 | 1.7 | 89.1 | 2,711 |
| Fourth | 89.0 | 1.6 | 90.9 | 2,636 |
| Richest | 89.8 | 1.5 | 90.7 | 2,796 |
| Ethnicity of household head | | | | |
| Hausa | 90.3 | 1.5 | 93.3 | 6,088 |
| Igbo | 82.7 | 1.7 | 90.1 | 1,256 |
| Yoruba | 88.2 | 1.6 | 85.7 | 1,424 |
| Other ethnic group | 87.7 | 1.7 | 89.8 | 3,869 |
| ¹ MICS Indicator 11.1 - Life satisfaction ² MICS indicator 11.2 – Happiness | | | | |

Table SW.2: Overall life satisfaction and happiness (women) continued.

Percentage of women age 15-24 years who are very or somewhat satisfied with their life overall, the average overall life satisfaction score, and percentage of women age 15-24 years who are very or somewhat happy, Nigeria, 2016-17

| | Percentage of women with overall life satisfaction ¹ | Average life satisfaction score | Percentage of women who are very or somewhat happy ² | Number of women age 15-24 years |
|--------------|---|---------------------------------|---|---------------------------------|
| Total | 88.5 | 1.6 | 91.0 | 12,637 |
| State | | | | |
| Abia | 87.2 | 1.6 | 90.8 | 108 |
| Adamawa | 93.4 | 1.5 | 93.8 | 310 |
| Akwa Ibom | 82.6 | 1.8 | 94.7 | 325 |
| Anambra | 82.6 | 1.7 | 85.1 | 228 |
| Bauchi | 85.4 | 1.5 | 95.1 | 607 |
| Bayelsa | 75.3 | 2.1 | 86.8 | 90 |
| Benue | 91.6 | 1.5 | 91.9 | 368 |
| Borno | 79.1 | 1.9 | 80.3 | 783 |
| Cross River | 91.6 | 1.5 | 91.5 | 248 |
| Delta | 90.7 | 1.6 | 86.0 | 202 |
| Ebonyi | 68.7 | 2.2 | 90.1 | 167 |
| Edo | 90.2 | 1.5 | 94.8 | 163 |
| Ekiti | 89.1 | 1.6 | 80.9 | 67 |
| Enugu | 82.2 | 1.7 | 95.0 | 198 |
| Gombe | 77.9 | 1.8 | 84.9 | 232 |
| Imo | 87.5 | 1.5 | 93.6 | 220 |
| Jigawa | 88.2 | 1.5 | 97.1 | 481 |
| Kaduna | 93.9 | 1.4 | 95.8 | 859 |
| Kano | 89.6 | 1.5 | 91.2 | 971 |
| Katsina | 93.0 | 1.4 | 94.5 | 729 |
| Kebbi | 92.6 | 1.5 | 95.6 | 361 |
| Kogi | 81.4 | 2.0 | 86.7 | 249 |
| Kwara | 94.3 | 1.4 | 91.6 | 155 |
| Lagos | 85.2 | 1.8 | 85.1 | 488 |
| Nasarawa | 85.7 | 1.7 | 90.6 | 283 |
| Niger | 86.5 | 1.8 | 88.7 | 534 |
| Ogun | 90.6 | 1.4 | 88.3 | 155 |
| Ondo | 90.1 | 1.6 | 91.8 | 206 |
| Osun | 88.3 | 1.5 | 81.1 | 250 |
| Oyo | 87.2 | 1.7 | 83.1 | 308 |
| Plateau | 95.7 | 1.3 | 93.7 | 497 |
| Rivers | 85.1 | 1.9 | 80.5 | 262 |
| Sokoto | 96.6 | 1.2 | 96.9 | 320 |
| Taraba | 89.6 | 1.6 | 91.5 | 207 |
| Yobe | 92.4 | 1.4 | 95.0 | 393 |
| Zamfara | 97.8 | 1.2 | 99.2 | 486 |
| FCT-Abuja | 82.2 | 1.7 | 89.3 | 126 |

¹ MICS Indicator 11.1 - Life satisfaction

² MICS indicator 11.2 – Happiness

Table SW.2M: Overall life satisfaction and happiness (men)

Percentage of men age 15-24 years who are very or somewhat satisfied with their life overall, the average overall life satisfaction score, and percentage of men age 15-24 years who are very or somewhat happy, Nigeria, 2016-17

| | Percentage of men with overall life satisfaction ¹ | Average life satisfaction score | Percentage of men who are very or somewhat happy ² | Number of men age 15-24 years |
|--|---|---------------------------------|---|-------------------------------|
| Total | 89.6 | 1.6 | 90.7 | 5,887 |
| Geopolitical zone | | | | |
| North Central | 86.6 | 1.6 | 93.1 | 1,105 |
| North East | 95.4 | 1.4 | 89.6 | 1,193 |
| North West | 86.7 | 1.6 | 90.5 | 1,869 |
| South East | 90.4 | 1.5 | 90.6 | 384 |
| South South | 91.8 | 1.5 | 93.4 | 601 |
| South West | 89.6 | 1.6 | 87.2 | 735 |
| Age (years) | | | | |
| 15-19 | 90.0 | 1.5 | 90.7 | 3,508 |
| 20-24 | 89.0 | 1.6 | 90.7 | 2,378 |
| Residence | | | | |
| Urban | 89.4 | 1.5 | 89.7 | 2,128 |
| Rural | 89.7 | 1.6 | 91.3 | 3,759 |
| Marital Status | | | | |
| Ever married/in union | 84.9 | 1.7 | 87.6 | 277 |
| Never married/in union | 89.8 | 1.5 | 90.9 | 5,607 |
| Education | | | | |
| None | 88.5 | 1.6 | 83.6 | 537 |
| Non-formal | 91.3 | 1.6 | 93.5 | 673 |
| Primary | 84.3 | 1.7 | 85.9 | 563 |
| Secondary | 90.0 | 1.5 | 91.9 | 3,568 |
| Higher | 91.0 | 1.5 | 91.4 | 544 |
| Wealth index quintile | | | | |
| Poorest | 90.6 | 1.5 | 91.0 | 1,106 |
| Second | 89.9 | 1.6 | 91.0 | 1,132 |
| Middle | 87.8 | 1.6 | 90.3 | 1,226 |
| Fourth | 89.5 | 1.6 | 91.3 | 1,219 |
| Richest | 90.2 | 1.5 | 90.1 | 1,203 |
| Ethnicity of household head | | | | |
| Hausa | 89.2 | 1.5 | 90.0 | 2,786 |
| Igbo | 88.4 | 1.6 | 88.7 | 55 |
| Yoruba | 88.7 | 1.7 | 88.3 | 701 |
| Other ethnic group | 90.8 | 1.5 | 93.3 | 1,844 |
| ¹ MICS Indicator 11.1 - Life satisfaction ^[M] ² MICS indicator 11.2 - Happiness ^[M] | | | | |

Table SW.2M: Overall life satisfaction and happiness (men) continued.

Percentage of men age 15-24 years who are very or somewhat satisfied with their life overall, the average overall life satisfaction score, and percentage of men age 15-24 years who are very or somewhat happy, Nigeria, 2016-17

| | Percentage of men with overall life satisfaction ¹ | Average life satisfaction score | Percentage of men who are very or somewhat happy ² | Number of men age 15-24 years |
|---|---|------------------------------------|---|----------------------------------|
| Total | 89.6 | 1.6 | 90.7 | 5,887 |
| State | | | | |
| Abia | 83.1 | 1.6 | 92.7 | 54 |
| Adamawa | 95.4 | 1.2 | 94.9 | 158 |
| Akwa Ibom | 99.6 | 1.2 | 98.2 | 138 |
| Anambra | 88.1 | 1.5 | 83.2 | 92 |
| Bauchi | 95.4 | 1.5 | 69.9 | 286 |
| Bayelsa | 76.6 | 2.0 | 86.7 | 43 |
| Benue | 76.7 | 2.1 | 91.4 | 184 |
| Borno | 94.1 | 1.4 | 98.8 | 294 |
| Cross River | 92.8 | 1.5 | 95.6 | 102 |
| Delta | 79.7 | 1.8 | 79.3 | 99 |
| Ebonyi | 85.1 | 1.9 | 93.4 | 57 |
| Edo | 97.4 | 1.2 | 97.0 | 67 |
| Ekiti | 87.4 | 1.6 | 85.5 | 31 |
| Enugu | 97.9 | 1.2 | 100.0 | 83 |
| Gombe | 97.3 | 1.3 | 96.3 | 118 |
| Imo | 93.4 | 1.4 | 86.9 | 98 |
| Jigawa | 98.6 | 1.4 | 98.1 | 214 |
| Kaduna | 74.3 | 1.9 | 75.8 | 361 |
| Kano | 87.6 | 1.6 | 90.9 | 452 |
| Katsina | 96.3 | 1.3 | 100.0 | 263 |
| Kebbi | 75.7 | 1.9 | 89.0 | 180 |
| Kogi | 88.7 | 1.5 | 89.7 | 126 |
| Kwara | 78.2 | 2.1 | 92.5 | 93 |
| Lagos | 89.6 | 1.7 | 89.7 | 226 |
| Nasarawa | 99.2 | 1.1 | 99.3 | 139 |
| Niger | 89.2 | 1.6 | 97.0 | 239 |
| Ogun | 92.5 | 1.5 | 74.2 | 83 |
| Ondo | 90.3 | 1.7 | 94.8 | 92 |
| Osun | 96.7 | 1.3 | 94.4 | 135 |
| Oyo | 82.3 | 1.9 | 80.8 | 168 |
| Plateau | 85.1 | 1.5 | 89.3 | 272 |
| Rivers | 93.5 | 1.7 | 96.9 | 152 |
| Sokoto | 98.5 | 1.5 | 100.0 | 152 |
| Taraba | 89.0 | 1.4 | 90.3 | 91 |
| Yobe | 98.3 | 1.2 | 94.7 | 247 |
| Zamfara | 83.6 | 1.7 | 89.7 | 248 |
| FCT-Abuja | 94.5 | 1.6 | 94.4 | 52 |
| ¹ MICS Indicator 11.1 - Life satisfaction ^[M] | | | | |
| ² MICS indicator 11.2 - Happiness ^[M] | | | | |

Table SW.3: Perception of a better life (women)

Percentage of women age 15-24 years who think that their lives improved during the last one year and those who expect that their lives will get better after one year, Nigeria, 2016-17

| | Percentage of women who think that their life | | | Number of women age 15-24 years |
|------------------------------------|---|--------------------------------|-------------------|---------------------------------|
| | Improved during the last one year | Will get better after one year | Both ¹ | |
| Total | 73.0 | 92.2 | 71.1 | 12,637 |
| Geopolitical zone | | | | |
| North Central | 70.1 | 93.0 | 68.9 | 2,212 |
| North East | 74.3 | 92.6 | 73.1 | 2,533 |
| North West | 72.4 | 89.2 | 69.1 | 4,208 |
| South East | 70.4 | 91.8 | 69.3 | 921 |
| South South | 76.0 | 93.2 | 73.7 | 1,290 |
| South West | 76.1 | 98.0 | 75.6 | 1,474 |
| Age (years) | | | | |
| 15-19 | 75.2 | 92.3 | 73.3 | 6,822 |
| 20-24 | 70.5 | 92.0 | 68.6 | 5,816 |
| Residence | | | | |
| Urban | 76.2 | 93.8 | 74.6 | 4,631 |
| Rural | 71.2 | 91.2 | 69.1 | 8,007 |
| Marital Status | | | | |
| Ever married/in union | 71.1 | 91.5 | 69.1 | 5,365 |
| Never married/in union | 74.8 | 92.8 | 73.0 | 7,222 |
| Education | | | | |
| None | 68.5 | 91.2 | 66.7 | 2,215 |
| Non-formal | 73.9 | 92.5 | 71.9 | 1,734 |
| Primary | 68.6 | 88.8 | 65.8 | 1,313 |
| Secondary | 74.8 | 92.8 | 73.0 | 6,501 |
| Higher | 76.7 | 94.2 | 75.3 | 874 |
| Wealth index quintile | | | | |
| Poorest | 69.9 | 91.4 | 68.7 | 1,988 |
| Second | 69.9 | 89.5 | 67.1 | 2,507 |
| Middle | 71.5 | 92.3 | 69.6 | 2,711 |
| Fourth | 74.0 | 92.4 | 71.8 | 2,636 |
| Richest | 78.7 | 94.7 | 77.5 | 2,796 |
| Ethnicity of household head | | | | |
| Hausa | 72.3 | 90.9 | 69.8 | 6,088 |
| Igbo | 72.8 | 92.4 | 71.6 | 1,256 |
| Yoruba | 76.3 | 97.7 | 75.6 | 1,424 |
| Other ethnic group | 73.0 | 92.1 | 71.4 | 3,869 |

¹ MICS indicator 11.3 - Perception of a better life

Table SW.3: Perception of a better life (women) continued.

Percentage of women age 15-24 years who think that their lives improved during the last one year and those who expect that their lives will get better after one year, Nigeria, 2016-17

| | Percentage of women who think that their life | | | Number of women age 15-24 years |
|--------------|---|--------------------------------|-------------------|---------------------------------|
| | Improved during the last one year | Will get better after one year | Both ¹ | |
| Total | 73.0 | 92.2 | 71.1 | 12,637 |
| State | | | | |
| Abia | 81.3 | 96.3 | 79.3 | 108 |
| Adamawa | 72.0 | 84.4 | 70.0 | 310 |
| Akwa Ibom | 67.5 | 77.4 | 59.7 | 325 |
| Anambra | 66.7 | 94.4 | 65.5 | 228 |
| Bauchi | 69.1 | 90.0 | 68.2 | 607 |
| Bayelsa | 54.1 | 96.7 | 54.1 | 90 |
| Benue | 74.3 | 88.9 | 73.8 | 368 |
| Borno | 73.8 | 99.4 | 73.8 | 783 |
| Cross River | 79.1 | 100.0 | 79.1 | 248 |
| Delta | 79.1 | 96.9 | 77.7 | 202 |
| Ebonyi | 50.9 | 78.5 | 50.2 | 167 |
| Edo | 94.4 | 98.9 | 93.9 | 163 |
| Ekiti | 67.5 | 97.9 | 66.5 | 67 |
| Enugu | 71.0 | 91.2 | 69.8 | 198 |
| Gombe | 68.0 | 86.9 | 65.1 | 232 |
| Imo | 83.1 | 97.6 | 82.3 | 220 |
| Jigawa | 64.8 | 92.9 | 62.9 | 481 |
| Kaduna | 79.6 | 91.2 | 74.6 | 859 |
| Kano | 79.3 | 86.4 | 74.0 | 971 |
| Katsina | 58.0 | 92.2 | 56.9 | 729 |
| Kebbi | 63.9 | 75.2 | 60.3 | 361 |
| Kogi | 73.5 | 92.3 | 72.0 | 249 |
| Kwara | 83.7 | 98.7 | 82.8 | 155 |
| Lagos | 71.8 | 97.8 | 71.7 | 488 |
| Nasarawa | 48.3 | 74.9 | 45.3 | 283 |
| Niger | 60.4 | 97.9 | 59.3 | 534 |
| Ogun | 83.3 | 100.0 | 83.3 | 155 |
| Ondo | 77.2 | 97.0 | 76.1 | 206 |
| Osun | 79.0 | 99.2 | 79.0 | 250 |
| Oyo | 78.2 | 97.2 | 77.0 | 308 |
| Plateau | 84.6 | 98.7 | 83.7 | 497 |
| Rivers | 77.3 | 98.8 | 77.3 | 262 |
| Sokoto | 91.3 | 98.4 | 90.6 | 320 |
| Taraba | 63.2 | 79.6 | 58.1 | 207 |
| Yobe | 94.5 | 99.8 | 94.5 | 393 |
| Zamfara | 68.8 | 87.2 | 66.9 | 486 |
| FCT-Abuja | 68.1 | 96.1 | 67.5 | 126 |

¹ MICS indicator 11.3 - Perception of a better life

Table SW.3M: Perception of a better life (men)

Percentage of men age 15-24 years who think that their lives improved during the last one year and those who expect that their lives will get better after one year, Nigeria, 2016-17

| | Percentage of men who think that their life | | | Number of men age 15-24 years |
|------------------------------------|---|--------------------------------|-------------------|-------------------------------|
| | Improved during the last one year | Will get better after one year | Both ¹ | |
| Total | 74.0 | 89.4 | 71.6 | 5,887 |
| Geopolitical zone | | | | |
| North Central | 69.2 | 92.6 | 67.8 | 1,105 |
| North East | 69.4 | 87.9 | 67.3 | 1,193 |
| North West | 74.5 | 84.0 | 69.8 | 1,869 |
| South East | 72.2 | 88.3 | 71.1 | 384 |
| South South | 78.0 | 94.9 | 77.3 | 601 |
| South West | 85.1 | 96.6 | 84.1 | 735 |
| Age (years) | | | | |
| 15-19 | 74.2 | 88.7 | 71.6 | 3,508 |
| 20-24 | 73.7 | 90.4 | 71.5 | 2,378 |
| Residence | | | | |
| Urban | 77.8 | 92.4 | 75.9 | 2,128 |
| Rural | 71.9 | 87.7 | 69.1 | 3,759 |
| Marital Status | | | | |
| Ever married/in union | 72.0 | 89.8 | 70.4 | 277 |
| Never married/in union | 74.1 | 89.4 | 71.6 | 5,607 |
| Education | | | | |
| None | 60.5 | 80.7 | 58.1 | 537 |
| Non-formal | 76.6 | 88.1 | 72.0 | 673 |
| Primary | 64.5 | 85.0 | 61.0 | 563 |
| Secondary | 76.3 | 91.0 | 74.4 | 3,568 |
| Higher | 79.0 | 93.2 | 76.7 | 544 |
| Wealth index quintile | | | | |
| Poorest | 67.6 | 83.5 | 63.9 | 1,106 |
| Second | 69.8 | 84.5 | 66.6 | 1,132 |
| Middle | 73.1 | 91.8 | 71.7 | 1,226 |
| Fourth | 78.9 | 93.2 | 76.9 | 1,219 |
| Richest | 79.8 | 93.1 | 77.9 | 1,203 |
| Ethnicity of household head | | | | |
| Hausa | 71.5 | 85.9 | 68.0 | 2,786 |
| Igbo | 75.9 | 90.3 | 74.3 | 556 |
| Yoruba | 83.9 | 95.9 | 82.1 | 701 |
| Other ethnic group | 73.5 | 91.8 | 72.1 | 1,844 |

¹ MICS indicator 11.3 - Perception of a better life^[M]

Table SW.3M: Perception of a better life (men) continued.

Percentage of men age 15-24 years who think that their lives improved during the last one year and those who expect that their lives will get better after one year, Nigeria, 2016-17

| | Percentage of men who think that their life | | | Number of men age 15-24 years |
|--------------|---|--------------------------------|-------------------|-------------------------------|
| | Improved during the last one year | Will get better after one year | Both ¹ | |
| Total | 74.0 | 89.4 | 71.6 | 5,887 |
| State | | | | |
| Abia | 87.6 | 100.0 | 87.6 | 54 |
| Adamawa | 99.6 | 100.0 | 99.6 | 158 |
| Akwa Ibom | 92.1 | 99.4 | 91.5 | 138 |
| Anambra | 68.1 | 71.5 | 64.6 | 92 |
| Bauchi | 50.6 | 82.3 | 50.6 | 286 |
| Bayelsa | 51.8 | 95.6 | 49.7 | 43 |
| Benue | 59.7 | 76.7 | 57.8 | 184 |
| Borno | 94.0 | 100.0 | 94.0 | 294 |
| Cross River | 90.9 | 98.9 | 90.4 | 102 |
| Delta | 83.8 | 99.1 | 82.9 | 99 |
| Ebonyi | 14.3 | 69.9 | 14.3 | 57 |
| Edo | 90.3 | 95.8 | 90.3 | 67 |
| Ekiti | 87.1 | 93.6 | 83.8 | 31 |
| Enugu | 94.5 | 98.6 | 93.1 | 83 |
| Gombe | 41.6 | 73.1 | 36.6 | 118 |
| Imo | 82.5 | 99.6 | 82.5 | 98 |
| Jigawa | 95.8 | 94.9 | 92.5 | 214 |
| Kaduna | 74.9 | 86.5 | 67.8 | 361 |
| Kano | 69.4 | 85.9 | 66.6 | 452 |
| Katsina | 59.1 | 60.2 | 55.6 | 263 |
| Kebbi | 77.4 | 86.0 | 69.3 | 180 |
| Kogi | 65.7 | 90.6 | 64.3 | 126 |
| Kwara | 68.5 | 81.0 | 65.4 | 93 |
| Lagos | 92.1 | 100.0 | 92.1 | 226 |
| Nasarawa | 91.9 | 100.0 | 91.9 | 139 |
| Niger | 94.3 | 96.9 | 91.9 | 239 |
| Ogun | 94.8 | 98.5 | 93.2 | 83 |
| Ondo | 75.3 | 95.1 | 75.3 | 92 |
| Osun | 85.2 | 98.0 | 85.2 | 135 |
| Oyo | 75.7 | 91.5 | 72.9 | 168 |
| Plateau | 38.4 | 99.8 | 38.4 | 272 |
| Rivers | 54.8 | 84.6 | 53.8 | 152 |
| Sokoto | 94.8 | 95.5 | 91.3 | 152 |
| Taraba | 33.7 | 52.6 | 26.9 | 91 |
| Yobe | 69.2 | 92.5 | 63.8 | 247 |
| Zamfara | 66.6 | 84.2 | 61.5 | 248 |
| FCT-Abuja | 96.9 | 98.5 | 95.7 | 52 |

¹ MICS indicator 11.3 - Perception of a better life^[M]

XV. Tobacco and Alcohol Use

Table TA.1: Current and ever use of tobacco (women)

Percentage of women age 15-49 years by pattern of use of tobacco, Nigeria, 2016-17

| | Never smoked cigarettes or used other tobacco products | Ever users | | | | Users of tobacco products at any time during the last one month | | | | Number of women age 15-49 years |
|---------------------------------------|--|-----------------|---------------------------------------|-----------------------------|---------------------|---|---------------------------------------|-----------------------------|----------------------------------|---------------------------------|
| | | Only cigarettes | Cigarettes and other tobacco products | Only other tobacco products | Any tobacco product | Only cigarettes | Cigarettes and other tobacco products | Only other tobacco products | Any tobacco product ¹ | |
| Total | 98.1 | 0.5 | 0.1 | 0.8 | 1.4 | 0.1 | 0.0 | 0.2 | 0.3 | 34,376 |
| Geopolitical zone | | | | | | | | | | |
| North Central | 98.0 | 0.4 | 0.1 | 1.0 | 1.5 | 0.0 | 0.0 | 0.2 | 0.3 | 6,006 |
| North East | 97.9 | 0.3 | 0.1 | 0.8 | 1.1 | 0.1 | 0.0 | 0.3 | 0.4 | 6,584 |
| North West | 98.9 | 0.3 | 0.0 | 0.4 | 0.7 | 0.2 | 0.0 | 0.0 | 0.2 | 10,932 |
| South East | 98.3 | 0.5 | 0.1 | 0.9 | 1.5 | 0.0 | 0.0 | 0.2 | 0.2 | 2,445 |
| South South | 97.0 | 0.7 | 0.5 | 1.2 | 2.4 | 0.1 | 0.0 | 0.2 | 0.3 | 3,668 |
| South West | 97.3 | 1.2 | 0.2 | 1.0 | 2.4 | 0.0 | 0.0 | 0.1 | 0.2 | 4,741 |
| Age (years) | | | | | | | | | | |
| 15-19 | 98.6 | 0.2 | 0.1 | 0.6 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 6,822 |
| 20-24 | 97.9 | 0.5 | 0.2 | 0.7 | 1.4 | 0.0 | 0.0 | 0.1 | 0.1 | 5,816 |
| 25-29 | 98.2 | 0.5 | 0.2 | 0.6 | 1.3 | 0.1 | 0.0 | 0.1 | 0.3 | 5,915 |
| 30-34 | 98.4 | 0.7 | 0.0 | 0.7 | 1.4 | 0.1 | 0.0 | 0.1 | 0.2 | 5,390 |
| 35-39 | 98.2 | 0.5 | 0.1 | 0.7 | 1.3 | 0.2 | 0.0 | 0.1 | 0.2 | 4,339 |
| 40-44 | 97.5 | 0.6 | 0.2 | 1.4 | 2.2 | 0.1 | 0.0 | 0.6 | 0.7 | 3,571 |
| 45-49 | 97.0 | 0.8 | 0.1 | 1.3 | 2.2 | 0.0 | 0.0 | 0.5 | 0.5 | 2,524 |
| Residence | | | | | | | | | | |
| Urban | 97.6 | 0.8 | 0.2 | 0.9 | 1.9 | 0.1 | 0.0 | 0.2 | 0.3 | 12,373 |
| Rural | 98.4 | 0.3 | 0.1 | 0.7 | 1.1 | 0.1 | 0.0 | 0.1 | 0.2 | 22,003 |
| Education | | | | | | | | | | |
| None | 98.2 | 0.3 | 0.0 | 0.8 | 1.1 | 0.0 | 0.0 | 0.2 | 0.2 | 7,799 |
| Non-formal | 99.2 | 0.2 | 0.0 | 0.3 | 0.5 | 0.1 | 0.0 | 0.0 | 0.2 | 5,646 |
| Primary | 97.7 | 0.4 | 0.1 | 1.3 | 1.8 | 0.2 | 0.0 | 0.5 | 0.7 | 4,963 |
| Secondary | 97.8 | 0.7 | 0.2 | 0.8 | 1.7 | 0.1 | 0.0 | 0.1 | 0.2 | 12,466 |
| Higher | 97.6 | 1.2 | 0.3 | 0.7 | 2.1 | 0.0 | 0.0 | 0.1 | 0.1 | 3,502 |
| Under-5s in the same household | | | | | | | | | | |
| At least one | 98.4 | 0.4 | 0.1 | 0.6 | 1.1 | 0.1 | 0.0 | 0.1 | 0.2 | 23,427 |
| None | 97.5 | 0.8 | 0.3 | 1.1 | 2.1 | 0.1 | 0.0 | 0.2 | 0.3 | 10,949 |
| Wealth index quintile | | | | | | | | | | |
| Poorest | 98.9 | 0.1 | 0.1 | 0.4 | 0.5 | 0.0 | 0.0 | 0.1 | 0.2 | 6,120 |
| Second | 98.1 | 0.4 | 0.1 | 0.9 | 1.3 | 0.2 | 0.0 | 0.4 | 0.6 | 6,478 |
| Middle | 98.2 | 0.3 | 0.0 | 0.9 | 1.2 | 0.1 | 0.0 | 0.1 | 0.2 | 6,708 |
| Fourth | 98.0 | 0.6 | 0.2 | 0.9 | 1.7 | 0.1 | 0.0 | 0.2 | 0.3 | 7,053 |
| Richest | 97.5 | 1.0 | 0.2 | 0.8 | 2.1 | 0.0 | 0.0 | 0.1 | 0.1 | 8,017 |
| Ethnicity of household head | | | | | | | | | | |
| Hausa | 98.8 | 0.2 | 0.0 | 0.4 | 0.7 | 0.1 | 0.0 | 0.0 | 0.2 | 15,920 |
| Igbo | 98.0 | 0.6 | 0.2 | 1.0 | 1.7 | 0.0 | 0.0 | 0.2 | 0.2 | 3,558 |
| Yoruba | 97.5 | 1.1 | 0.1 | 0.9 | 2.1 | 0.0 | 0.0 | 0.1 | 0.1 | 4,380 |
| Other ethnic group | 97.3 | 0.6 | 0.3 | 1.2 | 2.1 | 0.1 | 0.0 | 0.4 | 0.4 | 10,518 |

¹ MICS indicator 12.1 - Tobacco use

Table TA.1: Current and ever use of tobacco (women) continued

Percentage of women age 15-49 years by pattern of use of tobacco, Nigeria, 2016-17

| | Never smoked cigarettes or used other tobacco products | Ever users | | | | Users of tobacco products at any time during the last one month | | | | Number of women age 15-49 years |
|--------------|--|-----------------|---------------------------------------|-----------------------------|---------------------|---|---------------------------------------|-----------------------------|----------------------------------|---------------------------------|
| | | Only cigarettes | Cigarettes and other tobacco products | Only other tobacco products | Any tobacco product | Only cigarettes | Cigarettes and other tobacco products | Only other tobacco products | Any tobacco product ¹ | |
| Total | 98.1 | 0.5 | 0.1 | 0.8 | 1.4 | 0.1 | 0.0 | 0.2 | 0.3 | 34,376 |
| State | | | | | | | | | | |
| Abia | 98.5 | 0.6 | 0.0 | 0.5 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 336 |
| Adamawa | 97.2 | 0.4 | 0.3 | 1.1 | 1.8 | 0.3 | 0.0 | 0.0 | 0.3 | 830 |
| Akwa Ibom | 97.1 | 0.7 | 0.2 | 1.6 | 2.4 | 0.0 | 0.0 | 0.1 | 0.1 | 834 |
| Anambra | 97.9 | 0.2 | 0.1 | 1.6 | 1.9 | 0.0 | 0.0 | 0.4 | 0.4 | 608 |
| Bauchi | 99.1 | 0.3 | 0.0 | 0.2 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1,559 |
| Bayelsa | 95.5 | 2.1 | 0.9 | 1.2 | 4.2 | 0.2 | 0.3 | 0.1 | 0.6 | 260 |
| Benue | 96.2 | 1.2 | 0.2 | 1.8 | 3.1 | 0.1 | 0.0 | 0.5 | 0.5 | 956 |
| Borno | 96.8 | 0.1 | 0.0 | 1.8 | 1.9 | 0.0 | 0.0 | 1.0 | 1.0 | 1,984 |
| Cross River | 97.1 | 0.1 | 0.9 | 0.7 | 1.7 | 0.0 | 0.0 | 0.6 | 0.6 | 693 |
| Delta | 97.7 | 1.3 | 0.3 | 0.5 | 2.1 | 0.2 | 0.0 | 0.1 | 0.3 | 584 |
| Ebonyi | 99.3 | 0.2 | 0.0 | 0.5 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 400 |
| Edo | 98.3 | 0.6 | 0.1 | 0.8 | 1.5 | 0.0 | 0.0 | 0.4 | 0.4 | 494 |
| Ekiti | 96.9 | 1.0 | 0.0 | 1.1 | 2.1 | 0.3 | 0.0 | 0.4 | 0.7 | 216 |
| Enugu | 98.4 | 0.1 | 0.1 | 0.6 | 0.9 | 0.0 | 0.0 | 0.1 | 0.1 | 495 |
| Gombe | 98.1 | 0.3 | 0.0 | 0.4 | 0.7 | 0.1 | 0.0 | 0.1 | 0.2 | 562 |
| Imo | 97.7 | 1.1 | 0.2 | 0.9 | 2.2 | 0.0 | 0.0 | 0.2 | 0.2 | 606 |
| Jigawa | 97.9 | 0.0 | 0.0 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1,313 |
| Kaduna | 98.3 | 1.3 | 0.0 | 0.2 | 1.6 | 0.9 | 0.0 | 0.0 | 0.9 | 2,076 |
| Kano | 99.3 | 0.1 | 0.1 | 0.4 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 2,389 |
| Katsina | 98.9 | 0.2 | 0.0 | 0.7 | 0.8 | 0.0 | 0.0 | 0.1 | 0.1 | 1,950 |
| Kebbi | 99.2 | 0.0 | 0.0 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 956 |
| Kogi | 97.6 | 0.2 | 0.0 | 1.5 | 1.7 | 0.0 | 0.0 | 0.3 | 0.3 | 632 |
| Kwara | 99.0 | 0.3 | 0.1 | 0.4 | 0.8 | 0.0 | 0.0 | 0.2 | 0.2 | 487 |
| Lagos | 97.4 | 1.6 | 0.2 | 0.8 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1,725 |
| Nasarawa | 98.3 | 0.3 | 0.3 | 0.4 | 1.1 | 0.0 | 0.1 | 0.3 | 0.4 | 738 |
| Niger | 98.3 | 0.2 | 0.0 | 1.0 | 1.2 | 0.0 | 0.0 | 0.2 | 0.2 | 1,536 |
| Ogun | 97.5 | 1.7 | 0.0 | 0.6 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 474 |
| Ondo | 95.9 | 1.6 | 0.2 | 1.9 | 3.6 | 0.0 | 0.0 | 0.4 | 0.4 | 646 |
| Osun | 96.1 | 1.2 | 0.5 | 2.1 | 3.7 | 0.2 | 0.0 | 0.3 | 0.5 | 638 |
| Oyo | 98.9 | 0.3 | 0.0 | 0.4 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1,042 |
| Plateau | 99.2 | 0.0 | 0.1 | 0.4 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1,317 |
| Rivers | 96.1 | 0.6 | 0.7 | 2.1 | 3.3 | 0.2 | 0.0 | 0.0 | 0.2 | 803 |
| Sokoto | 99.5 | 0.2 | 0.1 | 0.1 | 0.4 | 0.2 | 0.0 | 0.1 | 0.3 | 912 |
| Taraba | 97.6 | 0.6 | 0.3 | 0.4 | 1.2 | 0.1 | 0.0 | 0.0 | 0.1 | 558 |
| Yobe | 98.8 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1,091 |
| Zamfara | 99.8 | 0.0 | 0.1 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,337 |
| FCT Abuja | 96.5 | 1.4 | 0.3 | 1.7 | 3.5 | 0.1 | 0.0 | 0.4 | 0.5 | 340 |

¹ MICS indicator 12.1 - Tobacco use

Table TA.1M: Current and ever use of tobacco (men)

Percentage of men age 15-49 years by pattern of use of tobacco, Nigeria, 2016-17

| | Never smoked cigarettes or used other tobacco products | Ever users | | | | Users of tobacco products at any time during the last one month | | | | Number of men age 15-49 years |
|---------------------------------------|--|-----------------|---------------------------------------|-----------------------------|---------------------|---|---------------------------------------|-----------------------------|----------------------------------|-------------------------------|
| | | Only cigarettes | Cigarettes and other tobacco products | Only other tobacco products | Any tobacco product | Only cigarettes | Cigarettes and other tobacco products | Only other tobacco products | Any tobacco product ¹ | |
| Total | 83.3 | 10.2 | 2.9 | 2.9 | 16.0 | 4.7 | 0.5 | 1.6 | 6.9 | 15,183 |
| Geopolitical zone | | | | | | | | | | |
| North Central | 89.4 | 6.8 | 1.6 | 1.5 | 9.8 | 3.8 | 0.5 | 0.7 | 5.1 | 2,730 |
| North East | 91.9 | 5.4 | 1.1 | 0.9 | 7.4 | 2.8 | 0.3 | 0.6 | 3.7 | 2,943 |
| North West | 84.6 | 7.6 | 2.5 | 4.6 | 14.6 | 3.8 | 0.6 | 2.6 | 6.9 | 4,674 |
| South East | 69.4 | 17.8 | 6.9 | 5.5 | 30.3 | 7.2 | 0.9 | 4.4 | 12.5 | 984 |
| South South | 75.8 | 15.6 | 4.9 | 2.9 | 23.4 | 7.0 | 0.5 | 0.8 | 8.2 | 1,664 |
| South West | 73.3 | 19.2 | 4.6 | 2.5 | 26.3 | 7.7 | 0.7 | 1.3 | 9.7 | 2,189 |
| Age (years) | | | | | | | | | | |
| 15-19 | 94.9 | 1.9 | 0.5 | 2.0 | 4.4 | 0.7 | 0.1 | 0.5 | 1.2 | 3,508 |
| 20-24 | 87.0 | 7.1 | 2.1 | 2.7 | 11.9 | 3.2 | 0.5 | 1.2 | 4.9 | 2,378 |
| 25-29 | 81.5 | 10.9 | 3.7 | 3.4 | 18.0 | 4.3 | 1.1 | 2.0 | 7.4 | 2,191 |
| 30-34 | 77.5 | 14.2 | 4.7 | 3.2 | 22.1 | 6.6 | 0.8 | 1.7 | 9.1 | 2,078 |
| 35-39 | 76.4 | 16.1 | 3.8 | 3.1 | 23.1 | 8.5 | 0.7 | 2.4 | 11.5 | 1,936 |
| 40-44 | 77.3 | 14.8 | 4.0 | 3.2 | 21.9 | 7.8 | 0.6 | 2.6 | 11.0 | 1,724 |
| 45-49 | 76.4 | 16.1 | 3.5 | 3.4 | 23.0 | 6.4 | 0.3 | 2.0 | 8.7 | 1,368 |
| Residence | | | | | | | | | | |
| Urban | 81.9 | 11.5 | 3.3 | 2.7 | 17.5 | 4.9 | 0.5 | 1.2 | 6.6 | 5,627 |
| Rural | 84.2 | 9.5 | 2.6 | 3.0 | 15.2 | 4.6 | 0.6 | 1.9 | 7.0 | 9,556 |
| Education | | | | | | | | | | |
| None | 86.4 | 8.1 | 1.7 | 2.7 | 12.6 | 5.1 | 0.4 | 1.9 | 7.4 | 1,563 |
| Non-formal | 88.1 | 5.9 | 1.9 | 3.3 | 11.2 | 4.0 | 0.4 | 2.1 | 6.5 | 2,140 |
| Primary | 76.5 | 14.9 | 3.9 | 3.9 | 22.7 | 7.7 | 1.0 | 3.0 | 11.8 | 1,997 |
| Secondary | 83.9 | 10.3 | 2.7 | 2.5 | 15.5 | 4.3 | 0.5 | 1.2 | 6.1 | 6,861 |
| Higher | 81.3 | 11.3 | 4.1 | 2.8 | 18.2 | 3.9 | 0.5 | 0.9 | 5.3 | 2,622 |
| Under-5s in the same household | | | | | | | | | | |
| At least one | 83.7 | 9.8 | 2.7 | 3.1 | 15.6 | 4.7 | 0.4 | 1.9 | 7.0 | 8,902 |
| None | 82.8 | 10.8 | 3.2 | 2.5 | 16.6 | 4.7 | 0.8 | 1.2 | 6.6 | 6,281 |
| Wealth index quintile | | | | | | | | | | |
| Poorest | 87.4 | 6.5 | 1.8 | 3.5 | 11.8 | 3.9 | 0.7 | 2.2 | 6.7 | 2,614 |
| Second | 85.7 | 8.7 | 2.4 | 3.0 | 14.1 | 4.9 | 0.4 | 2.1 | 7.3 | 2,901 |
| Middle | 84.9 | 9.0 | 2.0 | 3.1 | 14.1 | 4.1 | 0.4 | 1.7 | 6.2 | 2,927 |
| Fourth | 80.6 | 12.1 | 4.0 | 2.4 | 18.6 | 5.8 | 0.9 | 1.7 | 8.4 | 3,202 |
| Richest | 79.6 | 13.6 | 3.8 | 2.5 | 20.0 | 4.7 | 0.4 | 0.7 | 5.8 | 3,539 |
| Ethnicity of household head | | | | | | | | | | |
| Hausa | 87.4 | 6.6 | 1.8 | 3.3 | 11.8 | 3.5 | 0.4 | 1.8 | 5.7 | 6,958 |
| Igbo | 70.9 | 17.4 | 6.2 | 4.8 | 28.3 | 7.3 | 0.7 | 3.2 | 11.2 | 1,488 |
| Yoruba | 77.6 | 16.0 | 3.7 | 2.3 | 22.0 | 6.0 | 0.6 | 1.1 | 7.8 | 1,980 |
| Other ethnic group | 83.6 | 10.9 | 3.1 | 1.9 | 15.9 | 5.1 | 0.7 | 1.0 | 6.8 | 4,757 |

¹ MICS indicator 12.1 - Tobacco use^[M]

Table TA.1M: Current and ever use of tobacco (men) continued

Percentage of men age 15-49 years by pattern of use of tobacco, Nigeria, 2016-17

| | Never smoked cigarettes or used other tobacco products | Ever users | | | | Users of tobacco products at any time during the last one month | | | | | Number of men age 15-49 years |
|--------------|--|-----------------|---------------------------------------|-----------------------------|---------------------|---|-----------------------------|---------------------|----------------------------------|---------------|-------------------------------|
| | | Only cigarettes | Cigarettes and other tobacco products | Only other tobacco products | Any tobacco product | Cigarettes and other tobacco products | | | Any tobacco product ¹ | | |
| | | | | | | Only cigarettes | Only other tobacco products | Any tobacco product | | | |
| Total | 83.3 | 10.2 | 2.9 | 2.9 | 16.0 | 4.7 | 0.5 | 1.6 | 6.9 | 15,183 | |
| State | | | | | | | | | | | |
| Abia | 59.8 | 26.4 | 7.0 | 6.5 | 39.9 | 7.6 | 1.0 | 2.8 | 11.4 | 142 | |
| Adamawa | 91.9 | 5.4 | 0.8 | 1.9 | 8.1 | 3.1 | 0.2 | 0.7 | 4.0 | 389 | |
| Akwa Ibom | 80.2 | 12.6 | 3.3 | 3.9 | 19.8 | 5.1 | 0.7 | 0.9 | 6.7 | 365 | |
| Anambra | 89.8 | 8.1 | 0.2 | 1.4 | 9.7 | 5.5 | 0.0 | 1.0 | 6.5 | 241 | |
| Bauchi | 93.5 | 4.8 | 0.7 | 0.8 | 6.3 | 2.3 | 0.0 | 0.7 | 3.0 | 681 | |
| Bayelsa | 72.8 | 23.9 | 1.2 | 0.2 | 25.4 | 8.2 | 0.0 | 0.2 | 8.4 | 121 | |
| Benue | 92.4 | 3.7 | 1.8 | 2.1 | 7.6 | 3.3 | 1.0 | 1.9 | 6.3 | 481 | |
| Borno | 93.6 | 4.3 | 1.5 | 0.0 | 5.8 | 2.2 | 0.7 | 0.0 | 2.8 | 813 | |
| Cross River | 77.7 | 16.9 | 3.1 | 2.3 | 22.3 | 5.3 | 0.0 | 1.4 | 6.7 | 275 | |
| Delta | 64.1 | 26.9 | 4.6 | 0.9 | 32.4 | 12.4 | 1.1 | 0.2 | 13.7 | 258 | |
| Ebonyi | 53.9 | 17.5 | 16.9 | 11.7 | 46.1 | 7.0 | 1.6 | 15.8 | 24.3 | 152 | |
| Edo | 80.4 | 13.1 | 5.3 | 1.2 | 19.6 | 12.7 | 0.6 | 0.0 | 13.3 | 209 | |
| Ekiti | 74.6 | 20.9 | 2.6 | 1.9 | 25.4 | 9.2 | 0.0 | 0.5 | 9.7 | 96 | |
| Enugu | 65.2 | 24.6 | 4.3 | 5.9 | 34.8 | 7.7 | 1.0 | 3.0 | 11.7 | 190 | |
| Gombe | 89.4 | 7.0 | 1.5 | 1.3 | 9.9 | 3.5 | 0.7 | 0.3 | 4.5 | 268 | |
| Imo | 67.7 | 17.4 | 9.2 | 4.8 | 31.5 | 8.3 | 1.4 | 2.8 | 12.5 | 260 | |
| Jigawa | 94.9 | 2.9 | 0.8 | 0.5 | 4.1 | 1.0 | 0.5 | 0.3 | 1.8 | 534 | |
| Kaduna | 84.3 | 8.2 | 2.7 | 4.8 | 15.7 | 4.0 | 0.7 | 2.2 | 7.0 | 898 | |
| Kano | 87.2 | 6.1 | 1.4 | 3.1 | 10.6 | 2.3 | 0.4 | 1.3 | 4.0 | 1,028 | |
| Katsina | 88.1 | 7.0 | 2.7 | 2.2 | 11.9 | 2.0 | 0.2 | 1.1 | 3.3 | 816 | |
| Kebbi | 84.9 | 8.8 | 3.0 | 2.2 | 14.0 | 5.7 | 1.7 | 0.9 | 8.4 | 426 | |
| Kogi | 85.0 | 9.2 | 2.3 | 1.9 | 13.4 | 3.0 | 0.6 | 0.8 | 4.4 | 275 | |
| Kwara | 90.0 | 2.4 | 2.0 | 4.9 | 9.2 | 1.0 | 0.0 | 1.3 | 2.3 | 232 | |
| Lagos | 73.9 | 18.0 | 6.4 | 1.7 | 26.1 | 6.8 | 1.3 | 0.6 | 8.7 | 808 | |
| Nasarawa | 86.8 | 11.2 | 1.1 | 0.5 | 12.8 | 6.8 | 0.4 | 0.3 | 7.5 | 352 | |
| Niger | 87.1 | 7.8 | 1.7 | 1.3 | 10.9 | 3.9 | 0.6 | 0.3 | 4.8 | 645 | |
| Ogun | 71.5 | 20.4 | 5.3 | 2.4 | 28.1 | 6.3 | 0.0 | 1.7 | 8.0 | 206 | |
| Ondo | 75.3 | 16.9 | 4.5 | 3.2 | 24.7 | 6.1 | 0.2 | 2.2 | 8.5 | 293 | |
| Osun | 77.9 | 16.3 | 2.4 | 2.5 | 21.3 | 7.0 | 0.0 | 1.6 | 8.6 | 296 | |
| Oyo | 68.9 | 23.4 | 3.0 | 3.6 | 30.0 | 10.8 | 1.0 | 1.6 | 13.4 | 490 | |
| Plateau | 91.9 | 6.8 | 1.0 | 0.2 | 8.0 | 4.1 | 0.4 | 0.4 | 4.9 | 606 | |
| Rivers | 76.6 | 9.6 | 8.3 | 5.1 | 22.9 | 3.4 | 0.3 | 1.1 | 4.8 | 436 | |
| Sokoto | 80.5 | 17.4 | 1.6 | 0.4 | 19.5 | 12.7 | 0.0 | 0.4 | 13.1 | 358 | |
| Taraba | 79.3 | 13.5 | 2.0 | 3.6 | 19.1 | 7.5 | 0.4 | 3.8 | 11.7 | 256 | |
| Yobe | 94.5 | 3.1 | 0.5 | 0.3 | 4.0 | 1.5 | 0.0 | 0.1 | 1.6 | 537 | |
| Zamfara | 69.4 | 7.4 | 5.2 | 17.7 | 30.2 | 4.0 | 0.6 | 11.6 | 16.3 | 613 | |
| FCT Abuja | 93.5 | 3.7 | 1.4 | 1.4 | 6.5 | 2.2 | 0.7 | 0.5 | 3.4 | 139 | |

¹ MICS indicator 12.1 - Tobacco use^[M]

Table TA.2: Age at first use of cigarettes and frequency of use (women)

Percentage of women age 15-49 years who smoked a whole cigarette before age 15, and percent distribution of current smokers by the number of cigarettes smoked in the last 24 hours, Nigeria, 2016-17

| | Percentage of women who smoked a whole cigarette before age 15 ¹ | Number of women age 15-49 years | Number of cigarettes in the last 24 hours | | | | | Total | Number of women age 15-49 years who are current cigarette smokers |
|---------------------------------------|---|---------------------------------|---|-------------|------------|------------|--------------|-----------|---|
| | | | Less than 5 | 5-9 | 10-19 | 20+ | | | |
| Total | 0.2 | 34376 | 52.3 | 36.9 | 8.9 | 1.8 | 100.0 | 36 | |
| Geopolitical zone | | | | | | | | | |
| North Central | 0.2 | 6006 | | | | | | 3 | |
| North East | 0.1 | 6584 | | | | | | 4 | |
| North West | 0.2 | 10932 | | | | | | 21 | |
| South East | 0.1 | 2445 | | | | | | | |
| South South | 0.1 | 3668 | | | | | | 6 | |
| South West | 0.3 | 4741 | | | | | | 3 | |
| Age (years) | | | | | | | | | |
| 15-19 | 0.2 | 6822 | | | | | | | |
| 20-24 | 0.2 | 5816 | | | | | | 7 | |
| 25-29 | 0.2 | 5915 | | | | | | 8 | |
| 30-34 | 0.2 | 5390 | | | | | | 8 | |
| 35-39 | 0.2 | 4339 | | | | | | 7 | |
| 40-44 | 0.2 | 3571 | | | | | | 5 | |
| 45-49 | 0.2 | 2524 | | | | | | 1 | |
| Residence | | | | | | | | | |
| Urban | 0.2 | 12373 | | | | | | 20 | |
| Rural | 0.1 | 22003 | | | | | | 16 | |
| Education | | | | | | | | | |
| None | 0.1 | 7799 | | | | | | 3 | |
| Non-formal | 0.1 | 5646 | | | | | | 8 | |
| Primary | 0.2 | 4963 | | | | | | 11 | |
| Secondary | 0.2 | 12466 | | | | | | 13 | |
| Higher | 0.4 | 3502 | | | | | | 1 | |
| Under-5s in the same household | | | | | | | | | |
| At least one | 0.2 | 23427 | | | | | | 23 | |
| None | 0.2 | 10949 | | | | | | 14 | |
| Wealth index quintile | | | | | | | | | |
| Poorest | 0.1 | 6120 | | | | | | 4 | |
| Second | 0.2 | 6478 | | | | | | 12 | |
| Middle | 0.1 | 6708 | | | | | | 7 | |
| Fourth | 0.2 | 7053 | | | | | | 9 | |
| Richest | 0.2 | 8017 | | | | | | 4 | |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 0.1 | 15920 | | | | | | 22 | |
| Igbo | 0.1 | 3558 | | | | | | 1 | |
| Yoruba | 0.3 | 4380 | | | | | | 1 | |
| Other ethnic group | 0.3 | 10518 | | | | | | 12 | |

¹ MICS indicator 12.2 - Smoking before age 15

Sample data have very few cases

Table TA.2M: Age at first use of cigarettes and frequency of use (men)

Percentage of men age 15-49 years who smoked a whole cigarette before age 15, and percent distribution of current smokers by the number of cigarettes smoked in the last 24 hours, Nigeria, 2016-17

| | Percentage of men who smoked a whole cigarette before age 15 ¹ | Number of men age 15-49 years | Number of cigarettes in the last 24 hours | | | | | Total | Number of men age 15-49 years who are current cigarette smokers |
|---------------------------------------|---|-------------------------------|---|-------------|-------------|------------|--------------|------------|---|
| | | | Less than 5 | 5-9 | 10-19 | 20+ | | | |
| Total | 1.6 | 15,183 | 57.1 | 25.3 | 12.0 | 4.7 | 100.0 | 808 | |
| Geopolitical zone | | | | | | | | | |
| North Central | 1.5 | 2,730 | 62.7 | 22.8 | 10.5 | 3.6 | 100.0 | 119 | |
| North East | 0.6 | 2,943 | 61.9 | 17.6 | 14.3 | 6.1 | 100.0 | 91 | |
| North West | 1.2 | 4,674 | 45.6 | 30.7 | 17.5 | 4.7 | 100.0 | 203 | |
| South East | 1.2 | 984 | 63.0 | 17.9 | 12.9 | 6.2 | 100.0 | 80 | |
| South South | 2.4 | 1,664 | 55.8 | 27.4 | 8.6 | 5.9 | 100.0 | 127 | |
| South West | 3.6 | 2,189 | 62.2 | 26.4 | 7.8 | 3.2 | 100.0 | 187 | |
| Age (years) | | | | | | | | | |
| 15-19 | 0.9 | 3,508 | (59.8) | (24.1) | (5.8) | (5.3) | (100.0) | (25.5) | |
| 20-24 | 1.4 | 2,378 | 63.7 | 21.4 | 8.2 | 6.7 | 100.0 | 89 | |
| 25-29 | 1.8 | 2,191 | 59.3 | 29.7 | 9.1 | 1.3 | 100.0 | 118 | |
| 30-34 | 1.2 | 2,078 | 55.2 | 25.9 | 12.6 | 4.9 | 100.0 | 155 | |
| 35-39 | 2.0 | 1,936 | 58.6 | 25.7 | 11.6 | 4.1 | 100.0 | 179 | |
| 40-44 | 2.6 | 1,724 | 58.8 | 16.5 | 18.3 | 5.5 | 100.0 | 148 | |
| 45-49 | 2.4 | 1,368 | 45.2 | 35.6 | 10.7 | 6.4 | 100.0 | 94 | |
| Residence | | | | | | | | | |
| Urban | 2.0 | 5,627 | 60.6 | 24.8 | 11.4 | 2.6 | 100.0 | 312 | |
| Rural | 1.4 | 9,556 | 55.0 | 25.6 | 12.4 | 6.0 | 100.0 | 496 | |
| Education | | | | | | | | | |
| None | 1.5 | 1,563 | 58.6 | 22.7 | 9.2 | 8.6 | 100.0 | 87 | |
| Non-formal | 0.7 | 2,140 | 43.4 | 35.3 | 14.7 | 6.7 | 100.0 | 93 | |
| Primary | 2.6 | 1,997 | 65.1 | 20.9 | 10.7 | 2.7 | 100.0 | 176 | |
| Secondary | 1.6 | 6,861 | 54.7 | 27.3 | 11.6 | 4.7 | 100.0 | 336 | |
| Higher | 1.7 | 2,622 | 61.9 | 19.9 | 14.9 | 3.2 | 100.0 | 117 | |
| Under-5s in the same household | | | | | | | | | |
| At least one | 0.7 | 2,140 | 43.4 | 35.3 | 14.7 | 6.7 | 100.0 | 93 | |
| None | 1.4 | 8,902 | 57.3 | 25.6 | 11.4 | 4.6 | 100.0 | 461 | |
| Wealth index quintile | | | | | | | | | |
| Poorest | 0.7 | 2,614 | 50.5 | 25.5 | 12.5 | 10.9 | 100.0 | 119 | |
| Second | 1.5 | 2,901 | 58.9 | 22.2 | 14.8 | 3.1 | 100.0 | 153 | |
| Middle | 1.3 | 2,927 | 53.7 | 28.1 | 12.2 | 4.7 | 100.0 | 135 | |
| Fourth | 2.1 | 3,202 | 63.7 | 25.2 | 6.6 | 2.9 | 100.0 | 217 | |
| Richest | 2.1 | 3,539 | 54.7 | 25.6 | 15.6 | 4.0 | 100.0 | 184 | |
| Ethnicity of household head | | | | | | | | | |
| Hausa | 1.0 | 6,958 | 44.9 | 31.8 | 16.0 | 6.0 | 100.0 | 275 | |
| Igbo | 1.3 | 1,488 | 62.2 | 16.1 | 12.8 | 8.9 | 100.0 | 120 | |
| Yoruba | 3.2 | 1,980 | 65.6 | 25.7 | 6.4 | 1.7 | 100.0 | 135 | |
| Other ethnic group | 1.9 | 4,757 | 62.9 | 22.6 | 10.5 | 3.0 | 100.0 | 278 | |

¹ MICS indicator 12.2 - Smoking before age 15^[M]

() Sample data are based on 25-49 unweighted cases

Table TA.2M: Age at first use of cigarettes and frequency of use (men) continued

Percentage of men age 15-49 years who smoked a whole cigarette before age 15, and percent distribution of current smokers by the number of cigarettes smoked in the last 24 hours, Nigeria, 2016-17

| | Percentage of men who smoked a whole cigarette before age 15 ¹ | Number of men age 15-49 years | Number of cigarettes in the last 24 hours | | | | Total | Number of men age 15-49 years who are current cigarette smokers |
|--------------|---|-------------------------------|---|-------------|-------------|------------|--------------|---|
| | | | Less than 5 | 5-9 | 10-19 | 20+ | | |
| Total | 1.6 | 15183 | 57.1 | 25.3 | 12.0 | 4.7 | 100.0 | 808 |
| State | | | | | | | | |
| Abia | 2.8 | 142 | (55.3) | (11.9) | (29.2) | (3.6) | 100.0 | 13 |
| Adamawa | 0.1 | 389 | (*) | (*) | (*) | (*) | 100.0 | 13 |
| Akwa Ibom | 2.5 | 365 | (72.4) | (20.1) | (12.0) | (0.0) | 100.0 | 23 |
| Anambra | 0.0 | 241 | (*) | (*) | (*) | (*) | 100.0 | 13 |
| Bauchi | 0.4 | 681 | (*) | (*) | (*) | (*) | 100.0 | 15 |
| Bayelsa | 3.1 | 121 | (25.4) | (50.4) | (13.3) | (10.9) | 100.0 | 10 |
| Benue | 0.0 | 481 | (*) | (*) | (*) | (*) | 100.0 | 21 |
| Borno | 0.3 | 813 | (*) | (*) | (*) | (*) | 100.0 | 23 |
| Cross River | 5.7 | 275 | (*) | (*) | (*) | (*) | 100.0 | 15 |
| Delta | 2.6 | 258 | (44.4) | (29.6) | (13.0) | (8.6) | 100.0 | 36 |
| Ebonyi | 0.4 | 152 | (84.4) | (4.8) | (10.8) | (.0) | 100.0 | 13 |
| Edo | 1.4 | 209 | 71.7 | 22.3 | 6.0 | 0.0 | 100.0 | 28 |
| Ekiti | 2.4 | 96 | (*) | (*) | (*) | (*) | 100.0 | 9 |
| Enugu | 1.0 | 190 | (67.0) | (20.0) | (4.4) | (8.6) | 100.0 | 17 |
| Gombe | 0.4 | 268 | (*) | (*) | (*) | (*) | 100.0 | 11 |
| Imo | 2.1 | 260 | (59.0) | (23.4) | (5.2) | (12.3) | 100.0 | 25 |
| Jigawa | 0.6 | 534 | (*) | (*) | (*) | (*) | 100.0 | 8 |
| Kaduna | 1.8 | 898 | (52.0) | (24.4) | (23.6) | (0.0) | 100.0 | 43 |
| Kano | 1.1 | 1028 | (31.6) | (48.3) | (13.7) | (0.0) | 100.0 | 29 |
| Katsina | 0.6 | 816 | (*) | (*) | (*) | (*) | 100.0 | 18 |
| Kebbi | 1.6 | 426 | (48.4) | (36.4) | (9.7) | (1.5) | 100.0 | 32 |
| Kogi | 0.8 | 275 | (*) | (*) | (*) | (*) | 100.0 | 11 |
| Kwara | 1.6 | 232 | (*) | (*) | (*) | (*) | 100.0 | 2 |
| Lagos | 3.5 | 808 | 63.5 | 24.7 | 6.3 | 5.5 | 100.0 | 67 |
| Nasarawa | 1.4 | 352 | (83.7) | (16.3) | 0.0 | 0.0 | 100.0 | 25 |
| Niger | 3.9 | 645 | (*) | (*) | (*) | (*) | 100.0 | 29 |
| Ogun | 1.7 | 206 | (*) | (*) | (*) | (*) | 100.0 | 14 |
| Ondo | 3.5 | 293 | (*) | (*) | (*) | (*) | 100.0 | 19 |
| Osun | 5.2 | 296 | (*) | (*) | (*) | (*) | 100.0 | 21 |
| Oyo | 3.7 | 490 | (51.2) | (34.6) | (10.3) | (4.0) | 100.0 | 58 |
| Plateau | 0.9 | 606 | (*) | (*) | (*) | (*) | 100.0 | 27 |
| Rivers | 0.5 | 436 | (*) | (*) | (*) | (*) | 100.0 | 16 |
| Sokoto | 1.7 | 358 | (37.1) | (36.6) | (17.0) | (9.3) | 100.0 | 45 |
| Taraba | 2.0 | 256 | (64.8) | (29.0) | (6.3) | (0.0) | 100.0 | 20 |
| Yobe | 0.9 | 537 | (*) | (*) | (*) | (*) | 100.0 | 8 |
| Zamfara | 0.9 | 613 | (*) | (*) | (*) | (*) | 100.0 | 28 |
| FCT Abuja | 0.8 | 139 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 | 12 |

¹ MICS indicator 12.2 - Smoking before age 15^[M]

() Sample data are based on 25-49 unweighted cases

(*) Sample data are fewer than 25 unweighted cases

Table TA.3: Use of alcohol (women)

Percentage of women age 15-49 years who have never had an alcoholic drink, percentage who first had an alcoholic drink before age 15, and percentage of women who have had at least one alcoholic drink at any time during the last one month, Nigeria, 2016-17

| | Percentage of women who: | | | Number of women age 15-49 years |
|--|------------------------------|---|---|---------------------------------|
| | Never had an alcoholic drink | Had at least one alcoholic drink before age 15 ¹ | Had at least one alcoholic drink at any time during the last one month ² | |
| Total | 85.4 | 3.3 | 6.4 | 34,376 |
| Geopolitical zone | | | | |
| North Central | 89.4 | 2.3 | 5.2 | 6,006 |
| North East | 96.4 | 1.3 | 1.5 | 6,584 |
| North West | 97.8 | 0.5 | 0.8 | 10,932 |
| South East | 62.7 | 8.3 | 16.3 | 2,445 |
| South South | 57.0 | 8.8 | 21.7 | 3,668 |
| South West | 70.3 | 6.8 | 10.3 | 4,741 |
| Age (years) | | | | |
| 15-19 | 90.6 | 4.1 | 3.4 | 6,822 |
| 20-24 | 86.6 | 2.6 | 5.9 | 5,816 |
| 25-29 | 85.3 | 2.8 | 6.3 | 5,915 |
| 30-34 | 83.5 | 3.2 | 7.8 | 5,390 |
| 35-39 | 84.9 | 3.0 | 7.0 | 4,339 |
| 40-44 | 81.0 | 3.8 | 8.3 | 3,571 |
| 45-49 | 80.4 | 3.6 | 8.7 | 2,524 |
| Residence | | | | |
| Urban | 81.7 | 3.3 | 6.8 | 12,373 |
| Rural | 87.5 | 3.2 | 6.1 | 22,003 |
| Education | | | | |
| None | 95.0 | 1.4 | 2.5 | 7,799 |
| Non-formal | 99.4 | 0.0 | 0.0 | 5,646 |
| Primary | 83.0 | 4.5 | 8.4 | 4,963 |
| Secondary | 77.5 | 5.3 | 9.6 | 12,466 |
| Higher | 73.4 | 3.7 | 10.7 | 3,502 |
| Wealth index quintile | | | | |
| Poorest | 95.4 | 1.8 | 2.8 | 6,120 |
| Second | 92.8 | 2.3 | 3.3 | 6,478 |
| Middle | 87.0 | 3.2 | 6.0 | 6,708 |
| Fourth | 80.8 | 4.3 | 8.5 | 7,053 |
| Richest | 74.5 | 4.3 | 9.9 | 8,017 |
| Ethnicity of household head | | | | |
| Hausa | 98.2 | 0.5 | 0.6 | 15,920 |
| Igbo | 63.9 | 7.4 | 15.1 | 3,558 |
| Yoruba | 74.5 | 6.3 | 9.3 | 4,380 |
| Other ethnic group | 77.9 | 4.8 | 10.9 | 10,518 |
| ¹ MICS indicator 12.4 - Use of alcohol before age 15 ² MICS indicator 12.3 - Use of alcohol | | | | |

Table TA.3: Use of alcohol (women) continued

Percentage of women age 15-49 years who have never had an alcoholic drink, percentage who first had an alcoholic drink before age 15, and percentage of women who have had at least one alcoholic drink at any time during the last one month, Nigeria, 2016-17

| | Percentage of women who: | | | Number of women age 15-49 years |
|--------------|---------------------------------|--|---|------------------------------------|
| | Never had an alcoholic drink | Had at least one alcoholic drink before age 15 ¹ | Had at least one alcoholic drink at any time during the last one month ² | |
| Total | 85.4 | 3.3 | 6.4 | 34,376 |
| State | | | | |
| Abia | 56.2 | 8.3 | 16.8 | 336 |
| Adamawa | 93.9 | 3.3 | 3.9 | 830 |
| Akwa Ibom | 55.9 | 11.3 | 17.2 | 834 |
| Anambra | 58.9 | 6.9 | 13.7 | 608 |
| Bauchi | 98.6 | 0.5 | 0.2 | 1,559 |
| Bayelsa | 31.9 | 21.8 | 23.9 | 260 |
| Benue | 71.8 | 3.5 | 10.5 | 956 |
| Borno | 97.2 | 0.0 | 0.0 | 1,984 |
| Cross River | 44.5 | 14.0 | 36.7 | 693 |
| Delta | 55.8 | 6.5 | 21.3 | 584 |
| Ebonyi | 88.7 | 5.7 | 5.0 | 400 |
| Edo | 78.5 | 0.9 | 8.8 | 494 |
| Ekiti | 81.3 | 2.4 | 5.1 | 216 |
| Enugu | 61.2 | 11.3 | 18.2 | 495 |
| Gombe | 95.7 | 1.1 | 2.1 | 562 |
| Imo | 54.4 | 8.8 | 24.3 | 606 |
| Jigawa | 98.3 | 0.0 | 0.0 | 1,313 |
| Kaduna | 91.9 | 2.1 | 4.3 | 2,076 |
| Kano | 99.2 | 0.0 | 0.0 | 2,389 |
| Katsina | 99.5 | 0.3 | 0.1 | 1,950 |
| Kebbi | 99.3 | 0.0 | 0.0 | 956 |
| Kogi | 97.1 | 1.5 | 0.7 | 632 |
| Kwara | 95.8 | 0.2 | 2.5 | 487 |
| Lagos | 69.6 | 3.0 | 9.6 | 1,725 |
| Nasarawa | 94.5 | 1.8 | 3.7 | 738 |
| Niger | 97.4 | 1.1 | 0.6 | 1,536 |
| Ogun | 61.7 | 7.6 | 10.8 | 474 |
| Ondo | 53.6 | 19.6 | 20.6 | 646 |
| Osun | 62.6 | 12.7 | 13.9 | 638 |
| Oyo | 88.1 | 1.9 | 3.6 | 1,042 |
| Plateau | 84.6 | 4.3 | 11.0 | 1,317 |
| Rivers | 64.8 | 3.9 | 20.9 | 803 |
| Sokoto | 99.2 | 0.0 | 0.1 | 912 |
| Taraba | 86.6 | 8.1 | 9.5 | 558 |
| Yobe | 99.2 | 0.0 | 0.0 | 1,091 |
| Zamfara | 99.4 | 0.0 | 0.0 | 1,337 |
| FCT Abuja | 87.3 | 2.3 | 4.7 | 340 |

¹ MICS indicator 12.4 - Use of alcohol before age 15

² MICS indicator 12.3 - Use of alcohol

Table TA.3M: Use of alcohol (men)

Percentage of men age 15-49 years who have never had an alcoholic drink, percentage who first had an alcoholic drink before age 15, and percentage of men who have had at least one alcoholic drink at any time during the last one month, Nigeria, 2016-17

| | Percentage of men who: | | | Number of men age 15-49 years |
|--|------------------------------|---|---|-------------------------------|
| | Never had an alcoholic drink | Had at least one alcoholic drink before age 15 ¹ | Had at least one alcoholic drink at any time during the last one month ² | |
| Total | 73.3 | 5.5 | 19.4 | 15,183 |
| Geopolitical zone | | | | |
| North Central | 82.2 | 3.5 | 14.3 | 2,730 |
| North East | 94.3 | 1.9 | 4.8 | 2,943 |
| North West | 96.2 | 0.4 | 2.0 | 4,674 |
| South East | 22.1 | 16.6 | 66.2 | 984 |
| South South | 35.1 | 13.5 | 48.8 | 1,664 |
| South West | 37.5 | 12.5 | 39.0 | 2,189 |
| Age (years) | | | | |
| 15-19 | 86.0 | 6.0 | 7.4 | 3,508 |
| 20-24 | 76.1 | 5.5 | 16.9 | 2,378 |
| 25-29 | 71.4 | 4.9 | 22.3 | 2,191 |
| 30-34 | 66.5 | 4.9 | 25.9 | 2,078 |
| 35-39 | 66.0 | 5.2 | 25.9 | 1,936 |
| 40-44 | 65.5 | 6.1 | 25.6 | 1,724 |
| 45-49 | 70.1 | 5.1 | 22.6 | 1,368 |
| Residence | | | | |
| Urban | 66.5 | 5.8 | 23.1 | 5,627 |
| Rural | 77.4 | 5.2 | 17.2 | 9,556 |
| Education | | | | |
| None | 92.8 | 1.6 | 5.5 | 1,563 |
| Non-formal | 98.9 | 0.1 | 0.2 | 2,140 |
| Primary | 67.5 | 7.3 | 25.4 | 1,997 |
| Secondary | 66.2 | 7.6 | 24.5 | 6,861 |
| Higher | 64.1 | 5.2 | 25.2 | 2,622 |
| Wealth index quintile | | | | |
| Poorest | 93.8 | 2.0 | 4.7 | 2,614 |
| Second | 86.7 | 3.4 | 10.1 | 2,901 |
| Middle | 76.6 | 6.0 | 17.3 | 2,927 |
| Fourth | 63.5 | 7.4 | 26.5 | 3,202 |
| Richest | 53.5 | 7.5 | 33.1 | 3,539 |
| Ethnicity of household head | | | | |
| Hausa | 97.0 | 0.5 | 1.8 | 6,958 |
| Igbo | 28.3 | 14.5 | 60.3 | 1,488 |
| Yoruba | 44.8 | 11.3 | 33.5 | 1,980 |
| Other ethnic group | 64.6 | 7.5 | 26.5 | 4,757 |
| ¹ MICS indicator 12.4 - Use of alcohol before age 15 ^[M] ² MICS indicator 12.3 - Use of alcohol ^[M] | | | | |

Table TA.3M: Use of alcohol (men) continued

Percentage of men age 15-49 years who have never had an alcoholic drink, percentage who first had an alcoholic drink before age 15, and percentage of men who have had at least one alcoholic drink at any time during the last one month, Nigeria, 2016-17

| | Percentage of men who: | | | Number of men age 15-49 years |
|--------------|------------------------------------|---|---|----------------------------------|
| | Never had an alcoholic drink | Had at least one alcoholic drink before age 15 ¹ | Had at least one alcoholic drink at any time during the last one month ² | |
| Total | 73.3 | 5.5 | 19.4 | 15,183 |
| State | | | | |
| Abia | 9.4 | 32.5 | 70.7 | 142 |
| Adamawa | 92.3 | 2.6 | 6.9 | 389 |
| Akwa Ibom | 35.0 | 16.2 | 39.3 | 365 |
| Anambra | 27.4 | 1.7 | 70.2 | 241 |
| Bauchi | 97.6 | 0.2 | 1.6 | 681 |
| Bayelsa | 39.6 | 12.8 | 42.3 | 121 |
| Benue | 86.6 | 2.1 | 12.9 | 481 |
| Borno | 97.5 | 1.1 | 1.8 | 813 |
| Cross River | 27.1 | 34.4 | 64.2 | 275 |
| Delta | 16.4 | 11.0 | 55.0 | 258 |
| Ebonyi | 29.9 | 2.5 | 53.9 | 152 |
| Edo | 48.6 | 2.2 | 45.3 | 209 |
| Ekiti | 35.5 | 16.0 | 36.5 | 96 |
| Enugu | 7.3 | 41.9 | 78.2 | 190 |
| Gombe | 94.3 | 1.4 | 4.4 | 268 |
| Imo | 30.4 | 11.4 | 58.5 | 260 |
| Jigawa | 99.6 | 0.0 | 0.0 | 534 |
| Kaduna | 84.6 | 1.3 | 9.4 | 898 |
| Kano | 99.3 | 0.2 | 0.4 | 1,028 |
| Katsina | 99.7 | 0.1 | 0.0 | 816 |
| Kebbi | 95.5 | 0.4 | 1.8 | 426 |
| Kogi | 61.3 | 8.6 | 25.7 | 275 |
| Kwara | 95.5 | 0.5 | 2.2 | 232 |
| Lagos | 38.3 | 9.7 | 44.0 | 808 |
| Nasarawa | 86.1 | 2.8 | 12.7 | 352 |
| Niger | 91.5 | 0.6 | 3.7 | 645 |
| Ogun | 18.7 | 22.9 | 51.6 | 206 |
| Ondo | 29.0 | 14.2 | 43.5 | 293 |
| Osun | 51.2 | 11.5 | 30.8 | 296 |
| Oyo | 41.1 | 11.7 | 28.2 | 490 |
| Plateau | 72.9 | 7.0 | 26.3 | 606 |
| Rivers | 43.5 | 5.0 | 47.0 | 436 |
| Sokoto | 99.2 | 0.0 | 0.0 | 358 |
| Taraba | 69.0 | 12.9 | 29.5 | 256 |
| Yobe | 98.9 | 0.0 | 0.0 | 537 |
| Zamfara | 99.1 | 0.0 | 0.0 | 613 |
| FCT Abuja | 73.4 | 2.8 | 16.6 | 139 |

¹ MICS indicator 12.4 - Use of alcohol before age 15^[M]

² MICS indicator 12.3 - Use of alcohol^[M]

Appendix A. Sample Design

The major features of the sample design are described in this appendix. Sample design features include target sample size, sample allocation, sampling frame and listing, choice of domains, sampling stages, stratification, and the calculation of sample weights.

The primary objective of the sample design used for the fifth round of the Nigeria Multiple Indicator Cluster Survey (MICS5) was to produce statistically reliable estimates of most indicators, at the national, state and geo-political zone levels as well as at the Senatorial district level for Lagos and Kano States. A multi-stage, stratified cluster sampling approach was used for the selection of the survey sample.

Sample Size and Sample Allocation

The sample size for the Nigeria MICS5 was calculated as 37,440 households. Determination of the number of sample households (denoted as n), generally uses the following formula that is based on the parameters of the distribution of a characteristic adopted as the design variable and on a number of other parameters that affect the precision. The required sample size n is given as:

$$n = \frac{4 * r * (1 - r) * deff}{(RME * r)^2 * pb * AveSize * RR}$$

where:

- r = Predicted value of indicator (in target/base population)
- $deff$ = Design effect
- RME = Relative margin of error at 95% confidence level
- pb = Proportion of target/base population in total population
- $AveSize$ = Average household size
- RR = Response rate

The principal domain of reporting to which the sample size n refers in this calculation is the state. For this sample design, determination of the sample size is based on the indicator stunting prevalence in under-5 children as the design variable. The results from the MICS4 of 2011 reported stunting prevalence at 35.8 percent at the national level. This estimate had a relatively high design effect ($deff$) of 4.85, indicating a large clustering effect for this characteristic. However, with the more efficient sample design for the MICS 2016-17 it was expected that the $deff$ will be lower, so a value of 3.5 was assumed for the $deff$ in calculating the sample size. The value for pb (percentage of children aged 0-4 years in the total population) based on the results of the MICS4 2011 and NDHS 2013 is 17.1; and Average Size (average household size) is 5.0. For state-level

results, it is reasonable to use a relative margin of error (RME) of 18%. Based on previous survey results, the household response rate is assumed to be 95%. Using the formula above, this calculation gives a total number of 954 sample households per state.

For 34 states and the FCT Abuja a sample of 60 EAs was selected per state and 16 households per EA, which gives a sample size of 960 households in each of these states. Six (6) replicates containing ten (10) EAs/clusters each was selected from the NISH2 master sample for each of these states. In the case of Kano and Lagos States, additional results were needed at the level of the three senatorial districts in each state. Therefore a sample of 40 EAs per senatorial district was selected in these two states from the NISH2 master sample, for a total of 120 sample EAs and 1,920 sample households in each state. The total sample size for Nigeria was 37,440 households. And the selection of 16 households per EA slightly reduces the design effects compared to the MICS 2011, in which 20 households were selected per EA

Sampling Frame and Selection of Clusters

The MICS sample clusters were selected from the NISH2 master sample, based on the 2006 census frame. For the NISH2 master sample the census enumeration areas were defined as primary sampling units (PSUs), stratified by state. The first stage of sampling for MICS was completed by selecting the required number of enumeration areas from the NISH2 master sample for each of the 36 states of the federation and FCT Abuja which cut across urban and rural areas.

Listing Activities

Since the sampling frame (the 2006 Census) was not up-to-date, a new listing of households was conducted in November, 2015 for all the sample enumeration areas prior to the selection of households. For this purpose, listing teams were formed who visited all of the selected enumeration areas and listed all households in each enumeration area. Selected staff of the National Bureau of Statistics (NBS) in all the states carried out the listing exercise. Six (6) teams were constituted that carried out the listing exercise in each state except Lagos and Kano where twelve teams were constituted respectively. Each team comprises of 2 enumerators and one (1) supervisor who supervised two (2) teams. There were three (3) supervisors in each of the 35 states, and six (6) supervisors for Lagos and Kano states respectively. The listing exercise lasted for twelve (12) days. Out of the 2,340 enumeration areas selected for the household listing, one hundred and one (101) of them were not visited because they were inaccessible due to insecurity during the listing exercise.

Selection of Households

Lists of households were prepared by the listing teams in the field for each enumeration area. The households were then sequentially numbered from 1 to N (the total number of households in each enumeration area) at the National Bureau of Statistics (Field Services and Methodology Department), where the selection of 16 households in each enumeration area was carried out using random systematic selection procedures.

The survey also included a questionnaire for individual men aged 15 to 49 years. It was administered in eight out of sixteen sampled households. Households with even number in each sample cluster were selected and all eligible men were interviewed.

Within each state, a sub-sample of 30 enumeration areas was systematically selected for the water quality test. In each of these sampled EAs, a systematic sub sample of three households out of sixteen (16) MICS sample households was selected for the water quality tests.

Calculation of Sample Weights

The Nigeria MICS sample is not self-weighting. Essentially, by allocating equal numbers of sample households to each of the states, different sampling fractions were used in each state since the sizes of the states varied. For this reason, sample weights were calculated and these were used in the subsequent analyses of the survey data.

The basic weight for each sample household is equal to the inverse of its probability of selection (calculated by multiplying the probabilities at each sampling stage). The probability of selection for the MICS 2016 sample households for 34 states (excluding Kano and Lagos) and Abuja FCT can be defined as follows:

$$P_{SLi} = \frac{n_{SL}}{N_{SL}} \times \frac{200 \times \left(\frac{N_{SL}}{n_{SL}} \right)}{\sum_{Ls} N_{SL}} \times \frac{6}{20} \times \frac{m_{SLi}}{M'_{SLi}} = \frac{60}{N_S} \times \frac{m_{SLi}}{M'_{SLi}}$$

The first component of this probability corresponds to the LGA master sample and the second component corresponds to the NISH2 master sample

In the case of the states of Kano and Lagos, the NISH2 master sample EAs were stratified by senatorial district and the EAs were selected separately within each senatorial district. Therefore the corresponding probability of selection for the MICS 2016 sample households in these two states is expressed as follows:

$$P_{SDi} = \frac{n_{SL}}{N_{SL}} \times \frac{200 \times \left(\frac{N_{SL}}{n_{SL}} \right)}{\sum_{Ls} N_{SL}} \times \frac{n'_{SD}}{n_{SD}} \times \frac{m_{SDi}}{M'_{SDi}} = \frac{200}{N_S} \times \frac{n'_{SD}}{n_{SD}} \times \frac{m_{SDi}}{M'_{SDi}}$$

where:

p_{SDi} = overall sampling probability for households selected based on the NISH2 master sample in the i-th sample EA in senatorial district D within state S

n'_{SD} = number of sample EAs selected for the MICS 2016 from the NISH2 master sample for senatorial district D of state S, generally equal to 40

n_{SD} = total number of NISH2 master sample EAs in senatorial district D of state S

m_{SDi} = total number of sample households selected in the i-th sample EA in senatorial district D of state S (generally equal to 16)

M'_{DLi} = number of households listed in the i-th sample EA in senatorial district D of state S

Since the updated number of households in the listing varies by sample enumeration area, individual overall probability of selection for households in each sample enumeration area (cluster) was calculated.

The basic weight for the MICS 2016 sample households is the inverse of the overall probability of selection, calculated as follows:

$$W_{SLi} = \frac{1}{P_{SLi}} \quad \text{or} \quad W_{SDi} = \frac{1}{P_{SDi}}$$

It is also important to adjust the basic weights for the households to take into account the non-response at the stratum level. The final adjusted (raw) weight for the sample households in each sample EA is expressed as follows:

$$W'_{SLi} = W_{SLi} \times \frac{m'_S}{m''_S} \quad \text{and} \quad W'_{SDi} = W_{SDi} \times \frac{m'_{SD}}{m''_{SD}}$$

where:

m'_S = total number of in-scope sample households selected in state S

m''_S = number of sample households with completed MICS questionnaires in state S

m'_{SD} = total number of in-scope sample households selected in senatorial district D of state S (for Kano and Lagos states)

m''_{SD} = number of sample households with completed MICS questionnaires in senatorial

district D of state S (for Kano and Lagos states)

After the completion of fieldwork, response rates were calculated for each sampling stratum. These were used to adjust the sample weights calculated for each cluster. Response rates in the Nigeria MICS are shown in Table HH.1 in this report.

Following the adjustment of the raw household weights for non-response, these weights are generally normalized (standardized) so that relative weights are used for the analysis of the survey data. In this way the sum of the relative weights is equal to the number of sample households at the national level. The household weights were normalized by dividing each weight by the average weight at the national level (that is, the sum of the weights for all sample households divided by the number of sample households).

Given that sometimes it is not possible to complete a woman questionnaire for each eligible woman identified in a sample household, it is also necessary to have a separate woman weight with an additional nonresponse adjustment factor applied to the household weight at the stratum level. The adjusted woman weight is expressed as follows:

$$W_{SLi} = W'_{SLi} \times \frac{f_s}{f'_s} \quad \text{or} \quad W_{SDi} = W'_{SDi} \times \frac{f_{SD}}{f'_{SD}}$$

where:

f_s = total number of women age 15 to 49 years identified in the roster for all sample households in state S

f'_s = number of women with completed interviews for all sample households in state S

f_{SD} = total number of women age 15 to 49 years identified in the roster for all sample households in senatorial district D of state S (for Kano and Lagos states)

f'_{SD} = number of women with completed interviews for all sample households in senatorial district D of state S (for Kano and Lagos states)

There were cases where a child questionnaire was not completed for all the children under 5 years in some sample households. Therefore a separate child weight with an additional non-response adjustment factor applied to the adjusted household weight was used. The adjusted child weight is expressed as follows:

$$W_{cSLi} = W'_{cSLi} \times \frac{c_s}{c'_s} \quad \text{or} \quad W_{cSDi} = W'_{cSDi} \times \frac{c_{SD}}{c'_{SD}}$$

where:

c_s = total number of children under 5 years identified in the questionnaire roster for all

sample households in state S

c'_S = number of children with completed interviews for all sample households in state S

c_{SD} = total number of children under 5 years identified in the roster for all sample households in senatorial district D of state S (for Kano and Lagos states)

c'_{SD} = number of children under 5 years with completed interviews for all sample households in senatorial district D of state S (for Kano and Lagos states)

The weights for the men questionnaires were calculated in the same way as the women weights, except that the raw household weight was multiplied by 2, since half of the sample households were selected for the men's questionnaires. In this case the number of sample men in the numerator and denominator of the non-response adjustment factor was based only on the sample households selected for the men's questionnaires.

The non-response adjustment factors for the individual women, men, and under-5 questionnaires were applied to the adjusted household weights. Numbers of eligible women, men, and under-5 children were obtained from the roster of household members in the Household Questionnaire for households where interviews were completed.

The women, men and child weights are normalized in the same way as the household weights. In this case the full (raw) weights were divided by the average women, men or child weight, respectively.

Sample weights were appended to all data sets and analyses were performed by weighting households, women, men, or under-5s with these sample weights.

Sample for the Nigeria National Immunisation Coverage Survey (NICS)

The primary objective of the sample design to be used for the Nigeria National Immunisation Coverage Survey (NICS) is to provide estimates of vaccine coverage for the country, at the national, state and geo-political zone. Since the MICS covers the child immunization and other questions required for the NICS, it was decided to use the data from the entire MICS sample, and to select additional sample EAs and households for some states that required a larger sample for NICS. In the supplemental sample of households a smaller NICS questionnaire was used that only included the household and child immunization questions required for the NICS analysis.

In the case of states without a supplemental sample for NICS, only the MICS data were used for NICS, so the the sample design and weighting procedures are the same for both surveys. For states with a supplemental sample, additional sample EAs were selected for the NICS from the NISH2 master sample, excluding the replicates already selected for the MICS. A sample of 16 households was also selected in each of the supplemental sample of EAs for the NICS from the new listing in these EAs. Therefore the sampling methodology for the NICS is consistent with that of the MICS described above.

The weighting procedures for the NICS data are similar to those described above for the MICS, although the higher total number of sample EAs selected for the NICS in some states is used in the formulas for calculating the household weights. An additional weight was calculated for the children age 12 to 23 months since the immunization rates were based on this subgroup of children. The procedures for adjusting these child weights for nonresponse were similar to those for calculating the weights for children under 5 years for the MICS, but in the case of the NICS weights the numerator and denominator of the adjustment factor were based on the data for the children 12 to 23 months.

The sample size for the Nigeria NICS was calculated as 44,960 households. However, the sample size for the Nigeria MICS 2016-17 was not sufficient to estimate state level vaccination coverage for children aged 12 to 23 months in twenty states, namely: Abia, Akwa ibom, Anambra, Bayelsa, Benue, Cross River, Delta, Edo, Ekiti, Enugu, Imo, Kogi, Kwara, Ogun, Ondo, Osun, Oyo, Plateau, Rivers and FCT (Abuja). The determination of the number of sample households (denoted as n), was the same except the supplementary sample which was based on conservative projection of 95% confidence interval for Penta3. The intra-cluster correlation coefficient (ICC) was conservatively calculated to be $1/3$. The design effect was estimated as $DEFF \approx 1 + (\text{average respondents per cluster} - 1) \times ICC$.

For the twenty (20) supplementary states, the sample ranging from 10 to 30 EAs was selected per state and 16 households per EA, which gives a sample size ranging from 160 to 480 households in the states. One (1) or two (2) or three (3) replicates containing ten (10) EAs/clusters were selected from the NISH2 master sample in the states.

Listing exercise was conducted in March, 2016. One (1) or two (2) or three (3) team(s) was constituted that carried out the listing exercise in each state. Each team comprises of 2 enumerators and one (1) supervisor. The listing exercise lasted for twelve (12) days.

Within each stratum for NICS with inclusion of MICS, enumeration areas (ranging from 60 to 120) were systematically sampled from the NISH2 master sample. After a household listing was carried out within the selected enumeration areas, a systematic sample of 16 households was also drawn in each sample enumeration area. Out of 2810 enumeration areas selected for coverage, only 2,702 enumeration areas were listed and covered during the fieldwork period. A total of 108 EAs could not be enumerated because they were inaccessible due to insecurity during the fieldwork period.

| DISTRIBUTION OF EAs AND HOUSEHOLDS BY STATE | | | | |
|--|--------------|----------------------|-------------------|----------------------------|
| S/NO | State | EAs per state | HHs per EA | Total HHs per state |
| 1 | Abia | 30 | 16 | 480 |
| 2 | A/Ibom | 20 | 16 | 320 |
| 3 | Anambra | 20 | 16 | 320 |
| 4 | Bayelsa | 20 | 16 | 320 |
| 5 | Benue | 20 | 16 | 320 |
| 6 | C/River | 20 | 16 | 320 |
| 7 | Delta | 20 | 16 | 320 |
| 8 | Edo | 30 | 16 | 480 |
| 9 | Ekiti | 20 | 16 | 320 |
| 10 | Enugu | 20 | 16 | 320 |
| 11 | Imo | 30 | 16 | 480 |
| 12 | Kogi | 30 | 16 | 480 |
| 13 | Kwara | 20 | 16 | 320 |
| 14 | Ogun | 20 | 16 | 320 |
| 15 | Ondo | 30 | 16 | 480 |
| 16 | Osun | 10 | 16 | 160 |
| 17 | Oyo | 30 | 16 | 480 |
| 18 | Plateau | 30 | 16 | 480 |
| 19 | Rivers | 30 | 16 | 480 |
| 20 | FCT, Abuja | 20 | 16 | 320 |
| TOTAL | | 470 | | 7,520 |

Appendix B. List of Personnel Involved in the Survey

Statistician-General of the Federation

Dr. Yemi Kale

Project Director

Dr. Isiaka Olarewaju

Project Coordinators

1. Adeyemi Adeniran - National Coordinator
2. Samanja B. Maudu - Field Services & Methodology
3. Adebisi Adebayo Tunde - Sampling Expert
4. Fafunmi Elisha A. - ICT
5. Harry Simon B. - CPTC
6. Eweama Patricia M. - DSSD
7. Nemi Okujagu - TA-SG

UNICEF Staff- Technical Support

1. Denis Jobin
2. Adeniyi Olaleye
3. Raymond Akor
4. Binta Isah-Ismail
5. Danjuma Al-Mustapha
6. Maureen Zubie-Okolo
7. Oluchi Ally
8. Ghislain Mbep
9. Michele Seroussi- Regional Office
10. Achraf Mohamed Mrabet- Regional office
11. Issa Kone-Regional Office
12. Denis Businge – MICS 5 Consultant

Further analysis and Survey Finding Report

- 1 Adeyemi Adeniran
- 2 Adebisi Adebayo Tunde
- 3 Fafunmi Elisha A.
- 4 Kola Ogundiya
- 5 Kareem Bolakale Akeem
- 6 Abiola Arosanyin
- 7 Bridget Ebohdage
- 8 Salihu Itopa
- 9 Shamsudeen Lawal
- 10 Rasheed Lawal O.
- 11 Umar F. Mohammed
- 12 Dambatta Mustapha Abba
- 13 Hamisu Hussaini
- 14 Aliyu Mohd Abdullahi
- 15 Salihu Hussain Dogara
- 16 Bamidele-Alao Aramide Tawa
- 17 Ajayi Binyamin Adeniyi
- 18 Odeyemi Oluwafunmilayo Aderonke

Independent Monitors

- 1 Prof. Dandaura Samu
- 2 Dr. Sunday A. Taiwo
- 3 Michael Mukaila Imohi
- 4 Oluwole Muyiwa Smile
- 5 Dr. Faniran Sanjo
- 6 Adzuayi Jessica Ahgu
- 7 Kazeem Adekunle Saliu
- 8 Moses Oduwole
- 9 Adeniji Beatrice O.
- 10 Nureni Adeshina Sanni
- 11 Olarewaju Mukaila B.
- 12 Emuesiri Ojo
- 13 Dr. Benedicta C. Agusiobo
- 14 Adedeji Adeyinka

Data Analysis and Table Interpretation

| | | | |
|---|--------------------|----|----------------------------------|
| 1 | Adeyemi Adeniran | 8 | Elutade Adeyeye |
| 2 | Fafunmi Elisha A. | 9 | Bridget Ebhodaghe |
| 3 | Vincent Oriokpa | 10 | Isah Stella |
| 4 | Kola Ogundiya | 11 | Paul Oshokumoboh |
| 5 | Kareem Bolakale A. | 12 | Sam-Fidelis Regina |
| 6 | Shamsudeen Lawal | 13 | Folorunsho Busari- DP Consultant |
| 7 | Abiola Arosanyin | | |

Collaborating Agencies

| | | | | | |
|---|----------------------|------|---|-----------------------|--------|
| 1 | Ronke Adeoye | NACA | 1 | Dr Eric Nwaeze | NPHCDA |
| 2 | Dr. Greg Ashefor | NACA | 2 | Dr Obasi Samuel | NPHCDA |
| 3 | Dr. Kayode Ogungbemi | NACA | 3 | Analyst Dare Pandey | NPHCDA |
| 4 | Victoria Igbe | NACA | 4 | Bala Abubakar | NPHCDA |
| 5 | Anikene Moses Rock | NACA | 5 | Dr Phyllis Ogo Ogah | NPHCDA |
| 6 | Idoteyin Ezirim | NACA | 6 | Ochepo Sani | NPHCDA |
| 7 | Garba Danjuma | NACA | 7 | Susan Michael Olufemi | NPHCDA |
| 8 | Ogungbemi Ojo O. | NACA | 8 | Onasoga E. O. | NPHCDA |

SOUTH WEST

| | |
|--------------------------|---------------------|
| Nemi Okujagu | Coordinator |
| Kareem Bolakale Akeem | Lead Trainer |
| Abiola Arosanyin | Trainer |
| Olatunbosun Olatundun M. | Trainer |
| Akinbusoye Caroline | Trainer |
| Umunna N. Christiana | Trainer |
| Akhidenor Lawrence O. | Trainer |
| Mercy E Mosugu | Technical Raporteur |
| Akindede Akinyemi | CAPI Manager |
| Kareem Sikirulahi Tolani | CAPI Manager |
| Babalola E. Ayodele | WQT Expert |
| Osude Olanrewaju | WQT Expert |

SOUTH EAST

| | |
|-------------------------|--------------------|
| Eweama Patricia. M | Coordinator |
| Ajibade Talabi Olatunji | Lead Trainer |
| Esho Olusegun | Trainer |
| Ejuma Rachael Akpa | Trainer |
| Udeh Surely | Trainer |
| Nkemakolam Hope Chioma | Trainer |
| Aroniyo Ajoke M. | Trainer |
| Oche Alice | Technical Rapoteur |
| Dio Emmanuel Asemayohol | CAPI Manager |
| Oriokpa Ijeoma .V | CAPI Manager |
| Onen Sunday Dennis | WQT Expert |
| Kunehepon Peter W | WQT Expert |

SOUTH SOUTH

| | |
|------------------------|---------------------|
| Fafunmi Elisha A. | Coordinator |
| Omole Mathew F. | Lead Trainer |
| Salihu S. Itopa | Trainer |
| Imeh Udoabah | Trainer |
| Origbo Clinton | Trainer |
| Bridget Ebhodaghe | Trainer |
| Felicia A. Obamedo | Trainer |
| Ajadi Abosede Bamidele | Technical Raporteur |
| Olawale W. George | CAPI Manager |
| Egweni Uzoezi | CAPI Manager |
| Eneh Ogochukwu | WQT Expert |
| Isaacs O. Olufunke | WQT Expert |

NORTH WEST

| | |
|----------------------------|--------------------|
| Samanja B. Maudu | Coordinator |
| Ogundiya Kola John | Lead Trainer |
| Kanu Christiana Ngozi | Trainer |
| Aimola Oluwanikemi Olusoji | Trainer |
| Shamsuddeen Lawal | Trainer |
| Simon Appolonia | Trainer |
| Lateef Olasunkanmi | Trainer |
| Oluyomi Samuel Olanrewaju | Technical Rapoteur |
| Omoniyi Ronke | CAPI Manager |
| Bakare Saheed | CAPI Manager |
| Amina Musa | WQT Expert |
| Samuel Daniel Laumu | WQT Expert |

NORTH EAST

| | |
|--------------------------|--------------------|
| Harry Simon B. | Coordinator |
| Ameh Godwin Ejeh | Lead Trainer |
| Oladokun Taiwo | Trainer |
| Agada Nnenna | Trainer |
| Ekele Azubike | Trainer |
| Ezekiel C. Bala | Trainer |
| Elutade Akinloye A. | Trainer |
| Ihemebiri Calistus | Technical Rapoteur |
| Samuel Adakole Augustine | CAPi Manager |
| Kibba Daniel Musa | CAPi Manager |
| Ishak Danasabe Isah | WQT Expert |
| Abdullahi Abubakar Sule | WQT Expert |

NORTH CENTRAL

| | |
|--------------------------|--------------------|
| Adebisi Adebayo Tunde | Coordinator |
| Olise Ofili Patrick | Lead Trainer |
| Ejah Moses Ode | Trainer |
| Uzoaga Glory .A. | Trainer |
| Mbamo Peter E. | Trainer |
| Akor Geoffrey | Trainer |
| Solademi Abigail Abosedo | Trainer |
| Awogbade Ezekiel | Technical Rapoteur |
| Ogidan Lucky Ayokunle | CAPi Manager |
| Rasheed Nasir Bukola | CAPi Manager |
| Abdulkadir Halimat J. | WQT Expert |
| Yusuf Salamatu | WQT Expert |

**Institutional Members of National Steering Committee for Multiple Indicator Cluster Survey
(MICS 2016-17)**

- 1 National Bureau of Statistics – Chair
- 2 National Population Commission
- 3 Ministry of Budget and National Planning
- 4 Federal Ministry of Health
- 5 Federal Ministry of Education
- 6 Central Bank of Nigeria
- 7 National Agency for the Prohibition of Traffic In Person
- 8 National Primary Health Care Development Agency
- 9 Kano State Bureau of Statistics
- 10 United Nations Development Programme
- 11 United Nations Population Fund
- 12 World Bank
- 13 Department for International Development
- 14 European Union
- 15 Centre for Disease Control
- 16 World Health Organisation
- 17 Oxford Policy Management
- 18 Save One Million Lives
- 19 Save the Children International

LIST OF FIELD PERSONNEL FOR MICS 2016-17 NIGERIA

NORTH CENTRAL

BENUE STATE

| | | |
|--------------------------|--------|---------------|
| Yamekaa Simon | Male | State Officer |
| Terlumun | | |
| Terlumun Msughter Damian | Male | Supervisor |
| Usombu Chris | Male | Supervisor |
| Ogbenjuwa Rose | Female | Measurer |
| Ameh Theresa | Female | Measurer |
| Bulya Tivlumun J | Male | Interviewer |
| Ladi Micheal | Female | Interviewer |
| Imoh Regina Ngongee | Female | Interviewer |
| Olarewaju Jennifer | Female | Interviewer |
| Oligo Chidi | Male | Interviewer |
| Ann Ene Adikwu | Female | Interviewer |
| Stella Akor | Female | Interviewer |
| Ikye Dodo Victoria | Female | Interviewer |

FCT

| | | |
|------------------------|--------|---------------|
| Rakiya Onize Mohammed | Female | State Officer |
| Omoifo Betty Wright | Female | Supervisor |
| Ogundele K. Hannah | Female | Supervisor |
| Okocha Nkem | Female | Measurer |
| Achineke Precious O. | Female | Measurer |
| Utuh Loveth Eloyi | Female | Interviewer |
| Imevboreh Richard | Male | Interviewer |
| Abioye Joshua O. | Male | Interviewer |
| Momodou Rabiya K. | Female | Interviewer |
| Ajimoti Rofiat M. | Female | Interviewer |
| Orimiyeye Ruth Abiodun | Female | Interviewer |
| Kakwagh Mnena Naomi | Female | Interviewer |
| Daniel Kyauta Kate | Female | Interviewer |

KOGI STATE

| | | |
|------------------------|--------|---------------|
| Jubelo Ayinke O. | Female | State Officer |
| Ahmed Elizabeth Adeoro | Female | Supervisor |
| Matthew Ojone | Female | Supervisor |
| Adebayo Ife | Female | Measurer |
| Adejo Roseline | Female | Measurer |
| Yusufu Enyo-One Adija | Female | Interviewer |
| Ibrahim Kantum | Female | Interviewer |
| Jubelo Favour | Female | Interviewer |
| Agbawn Mary | Female | Interviewer |
| Seweje Yemisi Eunice | Female | Interviewer |
| Ikawi Attah Godwin | Male | Interviewer |
| Owolabi Comfort F. | Female | Interviewer |
| Egah Samson Ojodombo | Male | Interviewer |

KWARA STATE

| | | |
|------------------------------|--------|---------------|
| Halilu Musa | Male | State Officer |
| Williams Funmilola Elizabeth | Female | Supervisor |
| Olaitan Fatai | Male | Supervisor |
| Oyewale Oluwafunmike T. | Female | Measurer |
| Akinade Suliyat Opeyemi | Female | Measurer |
| Ogunkunle Gloria O. | Female | Interviewer |
| Sanni Rukayat O. | Female | Interviewer |
| Yemisi Amos | Female | Interviewer |
| Adi Oluwatoyin M. | Male | Interviewer |
| Kolawole Abigael F. | Female | Interviewer |
| Oyedele Rebecca A. | Female | Interviewer |
| Ayo Joshua | Male | Interviewer |
| Lawal Tolulope Moyinoluwa | Female | Interviewer |

NASARAWA STATE

| | | |
|------------------------|--------|---------------|
| Akor Samson Sunday | Male | State Officer |
| Ekpenyong Iboru David | Female | Supervisor |
| Siyaka Itopa | Male | Supervisor |
| Yakubu Izzatu Akwe | Female | Measurer |
| Mariam Peter | Female | Measurer |
| Danjuma Bulus Lami | Female | Interviewer |
| Kambasaya Ruth Samaila | Female | Interviewer |
| Jacob Favour F. Amos | Female | Interviewer |
| Ruth Garinwani | Female | Interviewer |
| Babade Lolade | Female | Interviewer |
| Aranilu E. Oloruntoba | Male | Interviewer |
| Hassana Haruwa | Female | Interviewer |
| Ibrahim Yusuf Alhassan | Male | Interviewer |

NIGER STATE

| | | |
|-------------------------|--------|---------------|
| Ejeh Zakari S. | Male | State Officer |
| Ogunkunle Kayode G. | Male | Supervisor |
| Maxwell Gambo | Male | Supervisor |
| Olayemi E. Tobi | Female | Measurer |
| Adenike Oyeniran | Female | Measurer |
| Ajayi Taiwo Eunice | Female | Interviewer |
| Ada Emmanuel | Female | Interviewer |
| Mosadomi Bukola | Female | Interviewer |
| Ajiboye O. Oluwatosin | Female | Interviewer |
| Ojo Mayowa Tokunbo | Male | Interviewer |
| Paulina Kasimi | Female | Interviewer |
| Talatu Salihu | Female | Interviewer |
| Ibrahim Mustapha Wakili | Male | Interviewer |

PLATEAU STATE

| | | | | | |
|---------------------|------|------------------|----------------------|--------|-------------|
| Wakili Ibrahim N. | Male | Zonal Controller | Esther Dung Botson | Female | Interviewer |
| Danladi S. Adzento | Male | State Officer | Amboson Dorothy J.L. | Female | Interviewer |
| Onwuzulumba Livinus | Male | Supervisor | Mercy Donatus | Female | Interviewer |

| | | | | | |
|----------------|--------|-------------|-----------------------|--------|-------------|
| Joseph Juwer | Male | Supervisor | Temitope Lamidi | Female | Interviewer |
| Jessica Kagher | Female | Measurer | Janet Adewumi Adetutu | Female | Interviewer |
| Mary Aniya | Female | Measurer | Abdulmalik Farouk | Male | Interviewer |
| Hannah Abeka | Female | Interviewer | Yaksat Nanbam Bulus | Female | Interviewer |

NORTH EAST

ADAMAWA STATE

| | | |
|------------------------|--------|---------------|
| John B Dawala | | |
| Blessing Yaro | Male | State Officer |
| Augustine Elizabeth. K | Female | Supervisor |
| Kefas Sarah | Female | Supervisor |
| Obida Piyana Yakubu | Female | Measurer |
| Yaduma. B. Elva | Female | Measurer |
| Umar. H. Jada | Female | Interviewer |
| Mohammed. U. Babaji | Male | Interviewer |
| Janet John | Male | Interviewer |
| Rahab Anthony | Female | Interviewer |
| Maryam Mohammed | Female | Interviewer |
| Rosemary Danladi | Female | Interviewer |
| Halima Abubakar | Female | Interviewer |

BAUCHI STATE

| | | |
|----------------------|--------|---------------|
| Martina J Saleh | Female | State Officer |
| Yusuf Arkila Isty | Male | Supervisor |
| Eunice Joel | Female | Supervisor |
| Talatu Jonathan | Female | Measurer |
| Felicia Ezekiel. D | Female | Measurer |
| Usman Magaji | Male | Interviewer |
| Sulismaya Rose. | Female | Interviewer |
| Talatu Abel | Female | Interviewer |
| Simnom Fudack | Female | Interviewer |
| Saleh Hauwa. Y. | Female | Interviewer |
| Fatsuma Garba | Female | Interviewer |
| Habiba Yusuf Jalingo | Female | Interviewer |
| Abdul Salihu Isah | Male | Interviewer |

BORNO STATE

| | | |
|--------------------|--------|---------------|
| James Abawu | Male | State Officer |
| Ladi James | Female | Supervisor |
| Rahila James Zoaka | Female | Supervisor |
| Fatima Alkali | Female | Measurer |
| Bintu Kwajaffa | Female | Measurer |
| Rebecca Ishaku | Female | Interviewer |
| Aisha Musa Bala | Female | Interviewer |
| Yagana Babagoni | Female | Interviewer |
| Prisca Pius Apagu | Female | Interviewer |
| Ngwasal Dauda | Female | Interviewer |
| Rahab Samuel | Female | Interviewer |
| Maina J Gadzama | Male | Interviewer |
| Abdumumini Ajiya | Male | Interviewer |

GOMBE STATE

| | | |
|----------------------|--------|------------------|
| Muhammed Musa | Male | Zonal Controller |
| Lawal Wabida Mary | Female | State Officer |
| Tarpaya Jadi Lassa | Male | Supervisor |
| Lenus Abner Wabida | Male | Supervisor |
| Ramatu Philemon . J. | Female | Measurer |
| Rasheeda Nuhu | Female | Measurer |
| Sule Uloko | Male | Interviewer |
| Alisabatu A Fanusi | Female | Interviewer |
| Binta Wabida | Female | Interviewer |
| Piyadi Richard | Female | Interviewer |
| Gidado Hauwa | Female | Interviewer |
| Nafisa Dagaban Ali | Female | Interviewer |
| Talatu Simon | Female | Interviewer |
| Bridget Bakar | Female | Interviewer |

TARABA STATE

| | | |
|---------------------|--------|---------------|
| Abdullahi Ibrahim | Male | State Officer |
| Ikoti. G. Abishag | Female | Supervisor |
| Jesse . I. Charity | Female | Supervisor |
| Yakubu Felicia | Female | Measurer |
| Bulus Japari | Female | Measurer |
| Shaakaa .M. Charity | Female | Interviewer |
| Tanko Ibrahim | Male | Interviewer |
| Lydia Dulla | Female | Interviewer |
| Hassan Cassandra | Female | Interviewer |

YOBE STATE

| | | |
|--------------------|--------|---------------|
| Musa .D . Yusuf | Male | State Officer |
| Ladi Abdullahi | Female | Supervisor |
| Amina Ali | Female | Supervisor |
| Alice Musa | Female | Measurer |
| Musa Ruth | Female | Measurer |
| Abatcha Aliyu | Male | Interviewer |
| Hauwa Kaku Amshi | Female | Interviewer |
| Victoria Nicodemus | Female | Interviewer |
| Binta Sani Ahmed | Female | Interviewer |

| | | | | | |
|--------------------|--------|-------------|----------------------|--------|-------------|
| Pius Taiku Rejoice | Female | Interviewer | Usman Musa Baran-Iya | Male | Interviewer |
| Adamu Tasiu | Male | Interviewer | Hajara Modu Mbusube | Female | Interviewer |
| Jitap. Charity | Female | Interviewer | Shehurat Umar | Female | Interviewer |
| Gayus Regina. A | Female | Interviewer | Aisha Barma Kachalla | Female | Interviewer |

NORTH WEST

JIGAWA STATE

| | | |
|--------------------------|--------|---------------|
| Abdul N. Danliman | Male | State Officer |
| Ibrahim Danjuma Roni | Male | Supervisor |
| Patricia Julius Bitiyong | Female | Supervisor |
| Fatima Hamza | Female | Measurer |
| Olatunde Olapeju | Female | Measurer |
| Olarinde.B.Cathenye | Female | Interviewer |
| Aishatu Dahiru Musa | Female | Interviewer |
| Elsie Njeb Lawrence | Female | Interviewer |
| Hauwa Aliyu Badala | Female | Interviewer |
| Musa Suleiman | Male | Interviewer |
| Cecilia Kwaghker | Female | Interviewer |
| Fatima Iyami Idris | Female | Interviewer |
| Hamza Abdullahi Nuhu | Male | Interviewer |

KADUNA STATE

| | | |
|-------------------------|--------|------------------|
| Ishaku Zom Maigida | Male | Zonal Controller |
| Makoshi Bonat Joshua | Male | State Officer |
| Waidi Ademola | Male | Supervisor |
| Rose Tembe | Female | Supervisor |
| Isaac Janet | Female | Measurer |
| Christiana Bonat | Female | Measurer |
| Abubakar Sadiq | Male | Interviewer |
| Esther Andrem | Female | Interviewer |
| Deborah David Amboson | Female | Interviewer |
| Marylous Ado | Female | Interviewer |
| Rahman Taibat | Female | Interviewer |
| Sadiq Dauda Mandara | Male | Interviewer |
| Jackson Elizabeth Rizga | Female | Interviewer |
| Amina Maigida | Female | Interviewer |

KANO STATE

| | | |
|------------------------|--------|---------------|
| Ayuba S. Ayuba | Male | State Officer |
| Umar F. Mohammad | Male | D KSBS |
| Abba Mustapha Dabatta | Male | D KSBS |
| Ali Sani Fane | Male | SG KSBS |
| Victoria Baita | Female | Supervisor |
| Abubakar Jubril | Male | Supervisor |
| Kubura Abdulkarim | Female | Supervisor |
| Aisha Adamu | Female | Supervisor |
| Rakiya Ahmed Daneji | Female | Measurer |
| Safiyya Ahmed Moh'd | Female | Measurer |
| Baraatu Zuberu | Female | Measurer |
| Nana Hauwa Sule | Female | Measurer |
| Habiba Umar Ismail | Female | Interviewer |
| Maryam Umar Nuhu | Female | Interviewer |
| Aisha Kabir Abdulaziz | Female | Interviewer |
| Bilkis Odeyemi | Female | Interviewer |
| Aisha Mustapha Hassan | Female | Interviewer |
| Khadija Aliyu Abubakar | Female | Interviewer |
| Sumayyah Aliyu Yahya | Female | Interviewer |
| Rukayya Yakubu Ahmed | Female | Interviewer |
| Eunice Abel | Female | Interviewer |
| Anas Tukur Usman | Male | Interviewer |

KATSINA STATE

| | | |
|-------------------------|--------|---------------|
| Abdullahi Dahiru | Male | State Officer |
| Suleman Yusuf | Male | Supervisor |
| Hadizam Ochgbo | Female | Supervisor |
| Josephine James | Female | Measurer |
| Mani Fatima Rabe | Female | Measurer |
| Zainab Sulaiman | Female | Interviewer |
| Jummai `Suleiman | Female | Interviewer |
| Hauwa Dahiru | Female | Interviewer |
| Ummah Abdullahi | Female | Interviewer |
| Hauwa Mati | Female | Interviewer |
| Jummai Sani | Female | Interviewer |
| Muhammad Aminu Mustapha | Male | Interviewer |
| Ibrahim Yusuf Umar | Male | Interviewer |

KEBBI STATE

| | | |
|-----------------------|--------|---------------|
| Saidu Saleh | Male | State Officer |
| Aliyu Abubakar | Male | Supervisor |
| Balkisu Ibrahim Ahmed | Female | Supervisor |
| Eunice .G. Magari | Female | Measurer |
| Aishatu Ibrahim Aliyu | Female | Measurer |
| Zainab Saleh | Female | Interviewer |
| Halima Musa Bazza | Female | Interviewer |

| | | | | | |
|---------------------------|--------|-------------|--------------------|--------|-------------|
| Faizah Isah Sulaiman | Female | Interviewer | Usman Moh'd Altine | Male | Interviewer |
| Abubakar Saleem | Male | Interviewer | Binta Musa Aliyu | Female | Interviewer |
| Grace Kamain | Female | Interviewer | Aisha Hassan | Female | Interviewer |
| Suleiman Suleiman Muh'd | Male | Interviewer | Tijjani Alhassan.T | Male | Interviewer |
| Iyabo Rahinat Abdulganiyu | Female | Interviewer | Habiba Adamu N. | Female | Interviewer |
| Emmanuel Umolo | Male | Interviewer | Zaharadeen Inuwa | Male | Interviewer |

SOKOTO STATE

| | | |
|--------------------------|--------|---------------|
| Shehu Tambari | Male | State Officer |
| Ahmad Dada Manga | Female | Supervisor |
| Theresa Danjumma | Female | Supervisor |
| Ojoawo Halima Oluwatoyin | Female | Measurer |
| Mansurah Hamza | Female | Measurer |
| Aisha Musa | Female | Interviewer |
| Hannatu.A.Momoh | Female | Interviewer |
| Zainab Abdullahi Ankah | Female | Interviewer |
| Habiba Abdullahi | Female | Interviewer |
| Suwaiba Inuwa | Female | Interviewer |
| Samaila Muhammed | Male | Interviewer |
| Mustapha Umar | Male | Interviewer |
| Habiba Ahmed | Female | Interviewer |

ZAMFARA STATE

| | | |
|-----------------------|--------|---------------|
| Hassan Haruna | Male | State Officer |
| Garba Inuwa | Male | Supervisor |
| Muh'd Z. Ibrahim | Male | Supervisor |
| Aisha Shuaibu | Female | Measurer |
| Fatima Muazu | Female | Measurer |
| Larai H. Tanko | Female | Interviewer |
| Raymond Yohanna | Male | Interviewer |
| Dayyiba Isah Adamu | Female | Interviewer |
| Hafsat Tunau | Female | Interviewer |
| Maryam Muhammed | Female | Interviewer |
| Joshua Mariha Adamu | Female | Interviewer |
| Bannabas Charity | Female | Interviewer |
| Jameel Usman Muhammad | Male | Interviewer |

SOUTH EAST

ABIA STATE

| | | |
|----------------------|--------|---------------|
| Onwughalu Ngozi H. | Female | State Officer |
| Isaac Precious Chika | Female | Supervisor |
| Ndukwe Ifeanyi | Female | Supervisor |
| Nnadede Christy C. | Female | Measurer |
| Erondu Chinwe | Female | Measurer |
| Onwughalu Ebube | Female | Interviewer |
| Okoli Victoria | Female | Interviewer |
| Uduma Chinyere U. | Female | Interviewer |
| Madubuko Ijuolachi | Female | Interviewer |
| John Taye | Female | Interviewer |
| Chinyere Anuri | Female | Interviewer |
| Chukwuka Paschal O. | Female | Interviewer |
| Kalu Chukwuemeka | Male | Interviewer |

EBONYI STATE

| | | |
|----------------------|--------|---------------|
| Onyekachi F. C. | Male | State Officer |
| Okoh Kate U. | Female | Supervisor |
| Onyekachi Dorothy N. | Female | Supervisor |
| Sarah Uche E. | Female | Measurer |
| Agness Mathew | Female | Measurer |
| Ozioma Ejimaonu | Female | Interviewer |
| Odiakpa Lovett | Female | Interviewer |
| Ogbuzuru Maria N. | Female | Interviewer |
| Jane Ajogbor N. | Female | Interviewer |

ANAMBRA STATE

| | | |
|---------------------------|--------|---------------|
| Okafor Maryrose N. | Female | State Officer |
| Omeje Ifeoma E. | Female | Supervisor |
| Edith O. Nwankwo | Female | Supervisor |
| Ifeyinwa Ogechukwu | Female | Measurer |
| Oragwam Onyinye | Female | Measurer |
| Okafor Judith Chizoba | Female | Interviewer |
| Mary Chizitere Eweama | Female | Interviewer |
| Okonkwo Ifeyinwa | Female | Interviewer |
| Ibebuike Chinenye Jecinta | Female | Interviewer |
| Izuchukwu Julita | Female | Interviewer |
| Enekwenchi Peace | Female | Interviewer |
| Ajao Kayode | Male | Interviewer |
| Ejike Hyginus N. | Male | Interviewer |

ENUGU STATE

| | | |
|---------------------|--------|------------------|
| Efidi Edwin. C. | Male | Zonal Controller |
| Umeh Reuben .U. | Male | State Officer |
| Ugoh Maureen C. | Female | Supervisor |
| Nwobodo A. Nwakaego | Female | Supervisor |
| Ojumu Timi Edith | Female | Measurer |
| Chilaka Obiageri | Female | Measurer |
| Patience Ngozi Agu | Female | Interviewer |
| Onwuodionu Maureen | Female | Interviewer |
| Ofor Amarachukwu | Female | Interviewer |

| | | | | | |
|------------------------|--------|-------------|------------------------------|--------|-------------|
| Asogwa Dorathy N | Female | Interviewer | Uzoamaka Dimgba | Female | Interviewer |
| Nwahiri Modesta | Female | Interviewer | Onyebuchi Charity | Female | Interviewer |
| Ekuma Ignatus Ogbonnia | Male | Interviewer | Umeh E. Chinyere | Female | Interviewer |
| Innocent Nduka Ike | Male | Interviewer | Anigbo Ikechukwu | Male | Interviewer |
| | | | Ekezie Chinemere Franklin I. | Male | Interviewer |

IMO STATE

| | | | | | |
|-----------------------|--------|---------------|-----------------------|--------|-------------|
| Madu Agatha N. | Female | State Officer | Ohia Cynthia Chinenye | Female | Interviewer |
| Ugwo Sylvia N. | Female | Supervisor | Eziefulu Akudo J. | Female | Interviewer |
| Unachukwu Perpetua C. | Female | Supervisor | Ekezie Patience C. | Female | Interviewer |
| Okoronkwo Oluchi L. | Female | Measurer | Onuoha Love C. | Female | Interviewer |
| Madu Vivian C. | Female | Measurer | Nwokoro Beatrice C. | Female | Interviewer |
| Uneze Juliana C. | Female | Interviewer | Olisa Onochie Stephen | Male | Interviewer |
| Sunday Frank O. | Male | Interviewer | | | |

SOUTH SOUTH

AKWA IBOM STATE

| | | |
|------------------------|--------|---------------|
| Itat Ifiok Young | Male | State Officer |
| Udo Moses Thomas | Male | Supervisor |
| Umoh Ime Etim | Female | Supervisor |
| Lalemi Mary Oluwatosin | Female | Measurer |
| Mmeyene Ifiok Itat | Female | Measurer |
| Job Emmah Archibong | Female | Interviewer |
| Umoh Eno Ndarake | Female | Interviewer |
| Eyoh Grace Bassey | Female | Interviewer |
| Umoh Ukeme Etim | Female | Interviewer |
| Udoabah Eunice | Female | Interviewer |
| Imaobong Akpan Ekpo | Female | Interviewer |
| Atat Ekpedeme Tim | Male | Interviewer |
| Anietie Archibong | Male | Interviewer |

CROSS RIVER STATE

| | | |
|-----------------------|--------|------------------|
| Oboh Ismaila Chicobey | Male | Zonal Controller |
| Oko Patrick Odey | Male | State Officer |
| Odu Glorita Nchong | Female | Supervisor |
| Eniang Effefiong Okon | Male | Supervisor |
| Odey Theresa Patrick | Female | Measurer |
| Okpe Eunice Ibenre | Female | Measurer |
| Benard E Effiong | Male | Interviewer |
| Effiong Andem Okon | Male | Interviewer |
| Ekiko Theresa Monday | Female | Interviewer |
| Etuk Maeyen E | Female | Interviewer |
| Henshaw Atim Okon | Female | Interviewer |
| Ogar Anita Ntima | Female | Interviewer |
| Agbor Martha | Female | Interviewer |
| James Akedoh James | Female | Interviewer |

BAYELSA STATE

| | | |
|-----------------------|--------|---------------|
| Chukwu N Emmanuel | Male | State Officer |
| Nanakumo T Timi | Female | Supervisor |
| Forcebray Victoria K | Female | Supervisor |
| Nkereuwem N Bassey | Female | Interviewer |
| Braimah Suleiman Oboh | Male | Interviewer |
| Obi Charles | Male | Interviewer |
| Dienagha Ethel | Female | Measurer |
| Ibeawuchi Praisejah | Female | Measurer |
| Nina Menke-Ere S | Female | Interviewer |
| Anioligbo Beatrice | Female | Interviewer |
| Bozin Elizabeth | Female | Interviewer |
| Weimo Ayaokpo | Female | Interviewer |
| Nwofinya Wosu | Female | Interviewer |

DELTA STATE

| | | |
|-------------------------|--------|---------------|
| Agbebaku Sunday | Male | State Officer |
| Akpojaro E. Ujyoyou | Female | Supervisor |
| Emordi Judith N | Female | Supervisor |
| Aziwe Obianuju Gloria | Female | Measurer |
| Osadebe Ahthonia | Female | Measurer |
| Okwonkwo R. Ngozi | Female | Interviewer |
| Ejumedia E. Evelyn | Female | Interviewer |
| Esimagboko Oghenegweke | Male | Interviewer |
| Adigwe C. Juliet | Female | Interviewer |
| Omili Furstina | Female | Interviewer |
| Imafidon Omuekpen Grace | Female | Interviewer |
| Agbache Velvet | Female | Interviewer |
| Bello Adeyinka | Male | Interviewer |

EDO STATE

| | | |
|-----------------------------|--------|---------------|
| Obaide Frank Ohikhena | Male | State Officer |
| Robert Helen | Female | Supervisor |
| Mercy Okugbe A | Female | Supervisor |
| Atogbo Felicia O | Female | Measurer |
| Adesotu Ann Adesuwa | Female | Measurer |
| Origbo Onoriode | Male | Interviewer |
| Osakwua Ruth | Female | Interviewer |
| Ebhodaghe Clara | Female | Interviewer |
| Maureen O. Okukulabe | Female | Interviewer |
| Olanegan Temitope | Male | Interviewer |
| Jegede Oluwatoyin Jeninifer | Female | Interviewer |
| Idunoba Marian | Female | Interviewer |
| Gitamba Fatima Onatana | Female | Interviewer |

RIVERS STATE

| | | |
|------------------------|--------|---------------|
| Onwubiko Emmanuel | Male | State Officer |
| Iboyi Itive Joyce | Female | Supervisor |
| Nkechinyere Omodu | Female | Supervisor |
| Ogu Faith Iworima | Female | Measurer |
| Abu Penuel Osemudiamhe | Female | Measurer |
| Jumbo Rhoda | Female | Interviewer |
| Eli Queen Ngozi | Female | Interviewer |
| Emenogu Pauline | Female | Interviewer |
| Onyia Anthonia O | Female | Interviewer |
| Somba Stella Nyema | Female | Interviewer |
| Nwaboku Ikechuwu | Male | Interviewer |
| Daniels Blessing | Female | Interviewer |
| Wonah Sylvester Odeh | Female | Interviewer |

SOUTH WEST**EKITI STATE**

| | | |
|---------------------------|--------|---------------|
| Otunuga O. Adebayo | Male | State Officer |
| Olagbemi Bosede T | Female | Supervisor |
| Omotola Eunice F. | Female | Supervisor |
| Ogidan Abisola Christanah | Female | Measurer |
| Babalola Bukola Mercy | Female | Measurer |
| Obafemi Felicia F | Female | Interviewer |
| Faleye Oluwatomilola | Female | Interviewer |
| Adetayo Funmilola E. | Female | Interviewer |
| Aladeloye Oluwaseyi | Female | Interviewer |
| Modupe Adebayo | Female | Interviewer |
| Lisemo Olusola Oriyomi | Male | Interviewer |
| Mojibola Sakirat O. | Female | Interviewer |
| Orimoloye Olawale O. | Male | Interviewer |

OGUN STATE

| | | |
|----------------------------|--------|---------------|
| Osemene Augusta | Female | State Officer |
| Awodokun Comfort Bisi | Female | Supervisor |
| Akinola Olubunmi Omolara | Female | Supervisor |
| Lasisi Motunrayo R | Female | Measurer |
| Michael Stella Naomi | Female | Measurer |
| Maliki Symbiat Mary | Female | Interviewer |
| Akingbesote J. Aderonke | Female | Interviewer |
| Olusesi Oluremi Khadijat | Female | Interviewer |
| Paul Ibukunoluwa Abayomi | Male | Interviewer |
| Jafar Bilikis Ayannike | Female | Interviewer |
| Olukoga Funmiola Christiah | Female | Interviewer |
| Adepeju Oderanti | Female | Interviewer |
| Odunlami Ayodeji O. | Male | Interviewer |

ONDO STATE

| | | |
|--------------------|--------|---------------|
| Olowoyeye Gbenga M | Male | State Officer |
| Owolewa Nike | Female | Supervisor |
| Ali Waheed Abiodun | Male | Supervisor |
| Arowomo Idowu | Female | Measurer |
| Ogundairo Folasade | Female | Interviewer |
| Abiodu Cecilia | Female | Interviewer |

LAGOS STATE

| | | |
|--------------------------------|--------|---------------|
| Phillip Samuel Ademola | Male | State Officer |
| Lawal Rasheed Olusegun | Male | SSA |
| Olowu Peter Kehinde | Male | SSA |
| Bakare Yekeen A. | Male | SSA |
| Idowu D. Oluyinka | Female | Supervisor |
| Omokehinde Oluyemi E. | Female | Supervisor |
| Fajingbesi Olatunbosun Olaitan | Male | Supervisor |
| Dike Martin | Male | Supervisor |
| Bamidele-Alao Aramide | Female | Interviewer |
| Hassan Amirat Oriyomi | Female | Measurer |
| Ogundeyi Adekemi Adeola | Female | Interviewer |
| Oyeneye Oluronke I. | Female | Interviewer |
| Abudu Mulikat A. | Female | Interviewer |
| Adeyemo Titilola | Female | Interviewer |
| Ayodele Mosunmola Abisola | Female | Interviewer |
| Ayeni Opeyemi Aina | Female | Interviewer |
| Umah Taiwo | Female | Interviewer |
| Olateju Simisola M. | Female | Interviewer |
| Akinbusoye Tolulope R. | Male | Interviewer |
| Ifedapo Awoyele D | Female | Measurer |
| Odeyemi Olufunmilayo | Female | Interviewer |
| Aderonke | Female | Interviewer |
| Okonji Oluymisi Olusola | Female | Measurer |
| Biliqis Y. Mustapha | Female | Measurer |
| Mojeed Kehinde | Male | Interviewer |
| Lawal Farouk O. | Male | Interviewer |
| Kudevi David F. | Male | Interviewer |
| Emiowei Vivian | Female | Interviewer |
| Adeniran Barakat | Female | Interviewer |
| Emiowei Vivian C | Female | Interviewer |

OSUN STATE

| | | |
|---------------------------|--------|---------------|
| Olujimi Risikat Odeseeye | Male | State Officer |
| Moriliat A. Adewoye | Female | Supervisor |
| Kareem Tajudeen | Male | Interviewer |
| Olubiya Olaitan Olaide | Female | Interviewer |
| Agbowuro Wuraola Oladunni | Female | Supervisor |

| | | | | | |
|---------------------------|--------|-------------|----------------------------|--------|-------------|
| Nenuwa Oluwatosin Morayo | Female | Interviewer | Ajibola Imoleayomide Mercy | Female | Interviewer |
| Adenawoola Mercy | Female | Interviewer | Adeyanju Adeola Mercy | Female | Interviewer |
| Funmilola Adewoye | Male | Interviewer | Oyegbile Victoria Wumi | Female | Measurer |
| Aderibigbe Abeeb Adetunji | Male | Interviewer | Adewoye Omolade Yewande | Female | Interviewer |
| Oladeji Kehinde Oreoluwa | Female | Measurer | Olarewaju Abolaji Benjamin | Male | Interviewer |
| Daramola Omolara | Female | Interviewer | Oladele Temitope Esther | Female | Interviewer |
| Ayomide Kolade | Female | Interviewer | Olarewaju Elizabeth | Female | Measurer |
| Adejumo Kehinde Onaolapo | Female | Interviewer | Solademi Opeyemi Comfort | Female | Interviewer |

OYO STATE

| | | |
|----------------------------|--------|------------------|
| Odunlami Ebenezer Oluwanbe | Male | Zonal Controller |
| Olugbode Morufu Adeoye | Male | State Officer |
| Adejumo Elizabeth Temilade | Female | Supervisor |
| Onawale Mojisola .O. | Female | Supervisor |
| Osidele Adesola | Female | Interviewer |
| Adeniji Folasade | Female | Interviewer |
| Adeniran Afeez .A. | Male | Interviewer |

OYO STATE

| | | |
|---------------------------|--------|-------------|
| Taiwo Elizabeth .I. | Female | Measurer |
| Buhari Kemi | Female | Measurer |
| Yekeen Nurudeen A. | Male | Interviewer |
| Yusuf Taibat Oyeronke | Female | Interviewer |
| Adigun Abiodun Nohimot | Female | Interviewer |
| Adeniran Shifau Adebukola | Female | Interviewer |
| Olasupo Taiwo Ibidunni | Female | Interviewer |

Appendix C. Estimates of Sampling Errors

The sample of respondents selected in the Multiple Indicator Cluster Survey (MICS) 2016 is only one of the samples that could have been selected from the same population, using the same design and 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 the estimates from all possible samples. The extent of variability is not known exactly, but can be estimated statistically from the survey data.

The following sampling error measures are presented in this appendix for each of the selected indicators:

- *Standard error (se)*: Standard error is the square root of the variance of the estimate. For survey indicators that are means, proportions or ratios, the Taylor series linearization method is used for the estimation of standard errors. For more complex statistics, such as fertility and mortality rates, the Jackknife repeated replication method is used for standard error estimation.
- *Coefficient of variation (se/r)* is the ratio of the standard error to the value (r) of the indicator, and is a measure of the relative sampling error.
- *Design effect (deff)* is the ratio of the actual variance of an indicator, under the sampling method used in the survey, to the variance calculated under the assumption of simple random sampling based on the same sample size. The *square root of the design effect (deft)* is used to show the efficiency of the sample design in relation to the precision. A *deft* value of 1.0 indicates that the sample design of the survey is as efficient as a simple random sample for a particular indicator, while a *deft* value above 1.0 indicates an increase in the standard error due to the use of a more complex sample design.
- *Confidence limits* are calculated to show the interval which contains the true value of the indicator for the population, with a specified level of confidence. For MICS results 95% confidence intervals are used, which is the standard for this type of survey. The concept of the 95% confidence interval can be understood in this way: if many repeated samples of identical size and design were taken and the confidence interval computed for each sample, then 95% of these intervals would contain the true value of the indicator.

For the calculation of sampling errors from MICS data, programs developed in CSPro Version 5.0, SPSS Version 21 Complex Samples module and CMRJack¹⁷ have been used.

The results are shown in the tables that follow. In addition to the sampling error measures described above, the tables also include weighted and unweighted counts of denominators for each indicator. Given the use of normalized weights, by comparing the weighted and unweighted counts it is possible to determine whether a particular domain has been under-sampled or over-sampled compared to the average sampling rate. If the weighted count is smaller than the unweighted count, this means that the particular domain had been over-sampled. As explained later in the footnote of Table SE.1, there is an exception in the case of indicators 4.1 and 4.3, for which the unweighted count represents the number of sample households, and the weighted counts reflect the total population.

¹⁷ CMRJack is a software developed by FAFO, an independent and multidisciplinary research foundation. CMRJack produces mortality estimates and standard errors for surveys with complete birth histories or summary birth histories. See http://www.fafon.org/ais/child_mortality/index.html

Sampling errors are calculated for indicators of primary interest, for the national level, for urban and rural areas, and for all regions. Three of the selected indicators are based on household members, 12 are based on women, 3 are based on men, and 4 are based on children under 5. Table SE.1 shows the list of indicators for which sampling errors are calculated, including the base population (denominator) for each indicator. Tables SE.2 to SE.10 show the calculated sampling errors for selected domains.

Table SE.1: Indicators selected for sampling error calculations

List of indicators selected for sampling error calculations, and base populations (denominators) for each indicator, Nigeria, 2016-17

| MICS5 Indicator | Base Population |
|---|--|
| Household members | |
| 4.1 Use of improved drinking water sources | All household members ^a |
| 4.3 Use of improved sanitation | All household members ^a |
| 7.4 Primary school net attendance ratio (adjusted) | Children of primary school age |
| Women | |
| 1.2 Infant mortality rate | Children of interviewed women exposed to the risk of mortality during the first year of life |
| 1.5 Under five mortality rate | Children of interviewed women exposed to the risk of mortality during the first five years of life |
| 5.1 Adolescent birth rate | Women years of exposure to childbirth during ages 15-19 years |
| 5.3 Contraceptive prevalence rate | Women age 15-49 years who are currently married or in union |
| 5.4 Unmet need | Women age 15-49 years who are currently married or in union |
| 5.5a Antenatal care coverage (1+ times, skilled provider) | Women age 15-49 years with a live birth in the last 2 years |
| 5.5b Antenatal care coverage (4+ times, any provider) | Women age 15-49 years with a live birth in the last 2 years |
| 5.7 Skilled attendant at delivery | Women age 15-49 years with a live birth in the last 2 years |
| 5.13 Maternal mortality ratio | Women age 15-49 years |
| 7.1 Literacy rate (young women) | Women age 15-24 years |
| 9.1 Knowledge about HIV prevention (young women) | Women age 15-24 years |
| 9.15 Condom use with non-regular partners | Women age 15-24 years who had a non-marital, non-cohabiting partner in the last 12 months |
| Men | |
| 7.1 Literacy rate (young men) | Men age 15-24 years |
| 9.1 Knowledge about HIV prevention (young men) | Men age 15-24 years |
| 9.15 Condom use with non-regular partners | Men age 15-24 years who had a non-marital, non-cohabiting partner in the last 12 months |
| Under-5s | |
| 2.1a Underweight prevalence (moderate and severe) | Children under age 5 years |
| 2.1b Underweight prevalence (severe) | Children under age 5 years |
| 3.18 Children under age 5 who slept under an ITN | Children under age 5 years who spent the previous night in the household |
| 3.22 Anti-malarial treatment of children under age 5 | Children under age 5 years with fever in the last 2 weeks |

^a To calculate the weighted results of MICS Indicators 4.1 and 4.3, the household weight is multiplied by the number of household members in each household. Therefore the unweighted base population presented in the SE tables reflect the unweighted number of households, whereas the weighted numbers reflect the household population.

Table SE.2: Sampling errors: Total sample

 Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (<i>r</i>) | Standard error (<i>se</i>) | Coefficient of variation (<i>se/r</i>) | Design effect (<i>deff</i>) | Square root of design effect (<i>deft</i>) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|------------------------------------|------------------------------------|
| | | | | | | | | | | Lower bound <i>r</i> - 2 <i>se</i> | Upper bound <i>r</i> + 2 <i>se</i> |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.6413 | 0.0094 | 0.015 | 12.923 | 3.595 | 182165 | 33901 | 0.623 | 0.660 |
| Use of improved sanitation | 4.3 | 7.9 | 0.3593 | 0.0074 | 0.021 | 8.100 | 2.846 | 182165 | 33901 | 0.344 | 0.374 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.6094 | 0.0098 | 0.016 | 12.460 | 3.530 | 33647 | 31135 | 0.590 | 0.629 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 70 | 2.34 | 0.03 | na | na | na | na | 65 | 75 |
| Under five mortality rate | 1.5 | 4.1 | 120 | 3.50 | 0.03 | na | na | na | na | 113 | 127 |
| Adolescent birth rate | 5.1 | 5.4 | 120 | 4.1970 | 0.035 | na | na | na | na | 111 | 128 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.1340 | 0.0038 | 0.029 | 3.031 | 1.741 | 24373 | 23891 | 0.126 | 0.142 |
| Unmet need | 5.4 | 5.6 | 0.2773 | 0.0040 | 0.014 | 1.903 | 1.379 | 24373 | 23891 | 0.269 | 0.285 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.6584 | 0.0098 | 0.015 | 4.761 | 2.182 | 11547 | 11204 | 0.639 | 0.678 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.4910 | 0.0086 | 0.018 | 3.352 | 1.831 | 11547 | 11204 | 0.474 | 0.508 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.4304 | 0.0092 | 0.021 | 3.858 | 1.964 | 11547 | 11204 | 0.412 | 0.449 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.4508 | 0.0134 | 0.030 | 6.158 | 2.482 | 8007 | 8489 | 0.424 | 0.478 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2315 | 0.0081 | 0.035 | 3.160 | 1.778 | 8007 | 8489 | 0.215 | 0.248 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.3892 | 0.0185 | 0.048 | 1.649 | 1.284 | 864 | 1143 | 0.352 | 0.426 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.7092 | 0.0126 | 0.018 | 4.588 | 2.142 | 5887 | 5968 | 0.684 | 0.734 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2785 | 0.0104 | 0.037 | 3.212 | 1.792 | 5887 | 5968 | 0.258 | 0.299 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.6143 | 0.0182 | 0.030 | 1.646 | 1.283 | 1004 | 1172 | 0.578 | 0.651 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.3151 | 0.0057 | 0.018 | 4.078 | 2.020 | 27400 | 27452 | 0.304 | 0.326 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.1155 | 0.0034 | 0.029 | 3.064 | 1.751 | 27400 | 27452 | 0.109 | 0.122 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.4913 | 0.0078 | 0.016 | 6.800 | 2.608 | 27842 | 27843 | 0.476 | 0.507 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3678 | 0.0111 | 0.030 | 3.625 | 1.904 | 7124 | 6883 | 0.346 | 0.390 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.3: Sampling errors: UrbanStandard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (<i>r</i>) | Standard error (<i>se</i>) | Coefficient of variation (<i>se/r</i>) | Design effect (<i>deff</i>) | Square root of design effect (<i>deft</i>) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|------------------------------------|------------------------------------|
| | | | | | | | | | | Lower bound <i>r</i> - 2 <i>se</i> | Upper bound <i>r</i> + 2 <i>se</i> |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.8288 | 0.0115 | 0.014 | 10.395 | 3.224 | 61430 | 11104 | 0.806 | 0.852 |
| Use of improved sanitation | 4.3 | 7.9 | 0.4920 | 0.0125 | 0.025 | 6.959 | 2.638 | 61430 | 11104 | 0.467 | 0.517 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.8004 | 0.0139 | 0.017 | 10.130 | 3.183 | 10296 | 8393 | 0.773 | 0.828 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 53 | 4.475 | 0.084 | na | na | na | na | 44 | 62 |
| Under five mortality rate | 1.5 | 4.1 | 78 | 5.233 | 0.067 | na | na | na | na | 68 | 89 |
| Adolescent birth rate | 5.1 | 5.4 | 59 | 7.199 | 0.122 | na | na | na | na | 44 | 73 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.2114 | 0.009 | 0.041 | 2.952 | 1.718 | 7507 | 6592 | 0.194 | 0.229 |
| Unmet need | 5.4 | 5.6 | 0.2745 | 0.0080 | 0.029 | 2.116 | 1.455 | 7507 | 6592 | 0.259 | 0.290 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.7070 | 0.0139 | 0.020 | 2.689 | 1.640 | 3426 | 2900 | 0.679 | 0.735 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.6713 | 0.0183 | 0.027 | 4.380 | 2.093 | 3426 | 2900 | 0.635 | 0.708 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.8737 | 0.0121 | 0.014 | 3.842 | 1.960 | 3426 | 2900 | 0.850 | 0.898 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.8398 | 0.0213 | 0.025 | 13.640 | 3.693 | 4631 | 4037 | 0.797 | 0.882 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.3729 | 0.0125 | 0.034 | 2.697 | 1.642 | 4631 | 4037 | 0.348 | 0.398 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5599 | 0.0219 | 0.039 | 1.411 | 1.188 | 703 | 723 | 0.516 | 0.604 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.8888 | 0.0138 | 0.016 | 3.600 | 1.897 | 2128 | 1860 | 0.861 | 0.916 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.3481 | 0.0202 | 0.058 | 3.336 | 1.827 | 2128 | 1860 | 0.308 | 0.388 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.7011 | 0.0298 | 0.043 | 1.673 | 1.293 | 405 | 395 | 0.641 | 0.761 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.2298 | 0.0103 | 0.045 | 4.431 | 2.105 | 8392 | 7348 | 0.209 | 0.250 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0722 | 0.0062 | 0.086 | 4.218 | 2.054 | 8392 | 7348 | 0.060 | 0.085 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.4294 | 0.0184 | 0.043 | 10.250 | 3.202 | 8450 | 7386 | 0.393 | 0.466 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.4389 | 0.0218 | 0.050 | 2.910 | 1.706 | 1852 | 1515 | 0.395 | 0.482 |

na: not applicable

Table SE.4: Sampling errors: RuralStandard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (<i>r</i>) | Standard error (<i>se</i>) | Coefficient of variation (<i>se/r</i>) | Design effect (<i>deff</i>) | Square root of design effect (<i>deft</i>) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|------------------------------------|------------------------------------|
| | | | | | | | | | | Lower bound <i>r</i> - 2 <i>se</i> | Upper bound <i>r</i> + 2 <i>se</i> |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.5459 | 0.0113 | 0.021 | 11.844 | 3.442 | 120735 | 22797 | 0.523 | 0.569 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2918 | 0.0084 | 0.029 | 7.697 | 2.774 | 120735 | 22797 | 0.275 | 0.308 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.5251 | 0.0117 | 0.022 | 12.467 | 3.531 | 23351 | 22742 | 0.502 | 0.549 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 77 | 2.629 | 0.034 | na | na | na | na | 72 | 82 |
| Under five mortality rate | 1.5 | 4.1 | 138 | 4.235 | 0.031 | na | na | na | na | 129 | 146 |
| Adolescent birth rate | 5.1 | 5.4 | 154 | 4.896 | 0.032 | na | na | na | na | 144 | 163 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0996 | 0.0038 | 0.038 | 2.717 | 1.648 | 16866 | 17299 | 0.092 | 0.107 |
| Unmet need | 5.4 | 5.6 | 0.2766 | 0.0046 | 0.017 | 1.804 | 1.343 | 16866 | 17299 | 0.267 | 0.286 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.3999 | 0.0096 | 0.024 | 3.212 | 1.792 | 8121 | 8304 | 0.381 | 0.419 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.3289 | 0.0100 | 0.030 | 3.727 | 1.931 | 8121 | 8304 | 0.309 | 0.349 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.5676 | 0.0113 | 0.020 | 4.315 | 2.077 | 8121 | 8304 | 0.545 | 0.590 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.4508 | 0.0134 | 0.030 | 6.158 | 2.482 | 8007 | 8489 | 0.424 | 0.478 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2315 | 0.0081 | 0.035 | 3.160 | 1.778 | 8007 | 8489 | 0.215 | 0.248 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.3892 | 0.0185 | 0.048 | 1.649 | 1.284 | 864 | 1143 | 0.352 | 0.426 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.6075 | 0.0157 | 0.026 | 4.262 | 2.064 | 3759 | 4108 | 0.576 | 0.639 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2391 | 0.0115 | 0.048 | 2.987 | 1.728 | 3759 | 4108 | 0.216 | 0.262 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5556 | 0.0215 | 0.039 | 1.454 | 1.206 | 599 | 777 | 0.513 | 0.599 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.3527 | 0.0067 | 0.019 | 3.910 | 1.977 | 19008 | 20104 | 0.339 | 0.366 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.1346 | 0.0040 | 0.030 | 2.760 | 1.661 | 19008 | 20104 | 0.127 | 0.143 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.5183 | 0.0081 | 0.016 | 5.389 | 2.321 | 19392 | 20457 | 0.502 | 0.534 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3428 | 0.0126 | 0.037 | 3.759 | 1.939 | 5271 | 5368 | 0.318 | 0.368 |

na: not applicable

Table SE.5: Sampling errors: Abia

 Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (<i>r</i>) | Standard error (<i>se</i>) | Coefficient of variation (<i>se/r</i>) | Design effect (<i>deff</i>) | Square root of design effect (<i>deft</i>) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|------------------------------------|------------------------------------|
| | | | | | | | | | | Lower bound <i>r</i> - 2 <i>se</i> | Upper bound <i>r</i> + 2 <i>se</i> |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.8349 | 0.0412 | 0.049 | 11.051 | 3.324 | 1826 | 899 | 0.753 | 0.917 |
| Use of improved sanitation | 4.3 | 7.9 | 0.5307 | 0.0340 | 0.064 | 4.169 | 2.042 | 1826 | 899 | 0.463 | 0.599 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | .9341 | .01166 | .012 | 1.105 | 1.051 | 269.171 | 502 | 0.911 | 0.957 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 55 | 14.349 | 0.263 | na | na | | na | 26 | 83 |
| Under five mortality rate | 1.5 | 4.1 | 83 | 17.491 | 0.212 | na | na | | na | 48 | 118 |
| Adolescent birth rate | 5.1 | 5.4 | 37 | 11.581 | .312 | na | na | | na | 14 | 60 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.1661 | 0.0167 | 0.100 | 0.769 | 0.877 | 197 | 385 | 0.133 | 0.199 |
| Unmet need | 5.4 | 5.6 | 0.3302 | 0.0228 | 0.069 | 0.899 | 0.948 | 197 | 385 | 0.285 | 0.376 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.8608 | 0.0289 | 0.034 | 1.361 | 1.166 | 99 | 196 | 0.803 | 0.919 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.9141 | 0.0212 | 0.023 | 1.119 | 1.058 | 99 | 196 | 0.872 | 0.957 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.9072 | 0.0242 | 0.027 | 1.357 | 1.165 | 99 | 196 | 0.859 | 0.956 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9818 | 0.0092 | 0.009 | 1.022 | 1.011 | 108 | 218 | 0.963 | 1.000 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2314 | 0.0313 | 0.135 | 1.192 | 1.092 | 108 | 218 | 0.169 | 0.294 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5352 | 0.0753 | 0.141 | 1.207 | 1.099 | 26 | 54 | 0.385 | 0.686 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9419 | 0.0274 | 0.029 | 1.403 | 1.184 | 54 | 103 | 0.887 | 0.997 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2753 | 0.0485 | 0.176 | 1.202 | 1.096 | 54 | 103 | 0.178 | 0.372 |
| Condom use with non-regular partners | (9.15) | (6.2) | (0.7164) | (0.0968) | (0.135) | (1.244) | (1.116) | 15 | 28 | 0.523 | 0.910 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.2015 | 0.0219 | 0.109 | 1.308 | 1.143 | 218 | 441 | 0.158 | 0.245 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0535 | 0.0105 | 0.196 | 0.953 | 0.976 | 218 | 441 | 0.033 | 0.074 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.2280 | 0.0279 | 0.122 | 1.989 | 1.410 | 223 | 451 | 0.172 | 0.284 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.4245 | 0.0363 | 0.085 | 0.797 | 0.893 | 72 | 149 | 0.352 | 0.497 |

na: not applicable

Table SE.6: Sampling errors: Adamawa

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.5389 | 0.0552 | 0.102 | 10.072 | 3.174 | 4379 | 823 | 0.428 | 0.649 |
| Use of improved sanitation | 4.3 | 7.9 | 0.3889 | 0.0320 | 0.082 | 3.538 | 1.881 | 4379 | 823 | 0.325 | 0.453 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.5773 | 0.0459 | 0.079 | 8.150 | 2.855 | 864 | 947 | 0.486 | 0.669 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 49 | 11.665 | 0.239 | na | na | | na | 25 | 72 |
| Under five mortality rate | 1.5 | 4.1 | 84 | 14.579 | 0.173 | na | na | | na | 55 | 113 |
| Adolescent birth rate | 5.1 | 5.4 | 113 | 13.924 | 0.123 | na | na | | na | 85 | 141 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0910 | 0.0144 | 0.158 | 1.788 | 1.337 | 612 | 716 | 0.062 | 0.120 |
| Unmet need | 5.4 | 5.6 | 0.3535 | 0.0246 | 0.070 | 1.894 | 1.376 | 612 | 716 | 0.304 | 0.403 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.5569 | 0.0483 | 0.087 | 2.940 | 1.715 | 264 | 312 | 0.460 | 0.654 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.5300 | 0.0578 | 0.109 | 4.177 | 2.044 | 264 | 312 | 0.414 | 0.646 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.8012 | 0.0426 | 0.053 | 3.540 | 1.881 | 264 | 312 | 0.716 | 0.886 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.5055 | 0.0488 | 0.096 | 3.473 | 1.864 | 310 | 366 | 0.408 | 0.603 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.1745 | 0.0274 | 0.157 | 1.900 | 1.379 | 310 | 366 | 0.120 | 0.229 |
| Condom use with non-regular partners | (9.15) | (6.2) | (0.2526) | (0.0823) | (0.326) | (1.292) | (1.137) | 33 | 37 | 0.088 | 0.417 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.7428 | 0.0544 | 0.073 | 2.989 | 1.729 | 158 | 194 | 0.000 | 0.000 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.5544 | 0.0683 | 0.123 | 3.642 | 1.908 | 158 | 194 | 0.000 | 0.000 |
| Condom use with non-regular partners | (9.15) | (6.2) | 0.0000 | 0.0000 | | | | 27 | 32 | 0.000 | 0.000 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.2366 | 0.0179 | 0.076 | 1.294 | 1.138 | 614 | 727 | 0.201 | 0.273 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0693 | 0.0101 | 0.146 | 1.149 | 1.072 | 614 | 727 | 0.049 | 0.089 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.4802 | 0.0321 | 0.067 | 3.027 | 1.740 | 618 | 734 | 0.416 | 0.544 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3449 | 0.0446 | 0.129 | 1.444 | 1.202 | 138 | 165 | 0.256 | 0.434 |

na: not applicable

Table SE.7: Sampling errors: Akwa Ibom

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.8029 | 0.0458 | 0.057 | 12.569 | 3.545 | 3893 | 950 | 0.711 | 0.895 |
| Use of improved sanitation | 4.3 | 7.9 | 0.4633 | 0.0274 | 0.059 | 2.867 | 1.693 | 3893 | 950 | 0.408 | 0.518 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.8387 | 0.0200 | 0.024 | 1.862 | 1.364 | 550 | 630 | 0.799 | 0.879 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 42 | 8.048 | 0.190 | na | na | | na | 26 | 58 |
| Under five mortality rate | 1.5 | 4.1 | 73 | 12.049 | 0.166 | na | na | | na | 48 | 97 |
| Adolescent birth rate | 5.1 | 5.4 | 67 | 11.697 | 0.175 | na | na | | na | 43 | 90 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.1570 | 0.0180 | 0.115 | 1.361 | 1.167 | 457 | 557 | 0.121 | 0.193 |
| Unmet need | 5.4 | 5.6 | 0.4045 | 0.0196 | 0.049 | 0.890 | 0.943 | 457 | 557 | 0.365 | 0.444 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.6668 | 0.0419 | 0.063 | 2.228 | 1.493 | 228 | 283 | 0.583 | 0.751 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.3996 | 0.0437 | 0.109 | 2.246 | 1.499 | 228 | 283 | 0.312 | 0.487 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.8045 | 0.0360 | 0.045 | 2.326 | 1.525 | 228 | 283 | 0.733 | 0.877 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9464 | 0.0120 | 0.013 | 1.120 | 1.058 | 325 | 392 | 0.922 | 0.971 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.3026 | 0.0327 | 0.108 | 1.981 | 1.407 | 325 | 392 | 0.237 | 0.368 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.4968 | 0.0534 | 0.107 | 1.494 | 1.222 | 110 | 132 | 0.390 | 0.604 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9266 | 0.0196 | 0.021 | 0.953 | 0.976 | 138 | 169 | 0.887 | 0.966 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.3025 | 0.0419 | 0.139 | 1.401 | 1.184 | 138 | 169 | 0.219 | 0.386 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.4863 | 0.0760 | 0.156 | 1.157 | 1.075 | 43 | 51 | 0.334 | 0.638 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.2275 | 0.0161 | 0.071 | 1.091 | 1.044 | 592 | 743 | 0.195 | 0.260 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0647 | 0.0107 | 0.166 | 1.408 | 1.186 | 592 | 743 | 0.043 | 0.086 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.3233 | 0.0228 | 0.071 | 1.778 | 1.333 | 593 | 747 | 0.278 | 0.369 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.2997 | 0.0419 | 0.140 | 1.709 | 1.307 | 168 | 205 | 0.216 | 0.384 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.8: Sampling errors: Anambra

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.8445 | 0.0429 | 0.051 | 12.592 | 3.549 | 2965 | 898 | 0.759 | 0.930 |
| Use of improved sanitation | 4.3 | 7.9 | 0.5669 | 0.0380 | 0.067 | 5.265 | 2.295 | 2965 | 898 | 0.491 | 0.643 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.9338 | 0.0126 | 0.013 | 1.435 | 1.198 | 469 | 564 | 0.909 | 0.959 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 39 | 9.565 | 0.247 | na | na | | na | 20 | 58 |
| Under five mortality rate | 1.5 | 4.1 | 53 | 10.769 | 0.202 | na | na | | na | 32 | 75 |
| Adolescent birth rate | 5.1 | 5.4 | 40 | 10.217 | 0.258 | na | na | | na | 19 | 60 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.2824 | 0.0287 | 0.102 | 1.664 | 1.290 | 322 | 410 | 0.225 | 0.340 |
| Unmet need | 5.4 | 5.6 | 0.2200 | 0.0203 | 0.092 | 0.979 | 0.990 | 322 | 410 | 0.179 | 0.261 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.8996 | 0.0221 | 0.025 | 0.944 | 0.972 | 140 | 176 | 0.855 | 0.944 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.9716 | 0.0168 | 0.017 | 1.799 | 1.341 | 140 | 176 | 0.938 | 1.000 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.9833 | 0.0085 | 0.009 | 0.777 | 0.881 | 140 | 176 | 0.966 | 1.000 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9810 | 0.0079 | 0.008 | 0.989 | 0.994 | 228 | 294 | 0.965 | 0.997 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2970 | 0.0288 | 0.097 | 1.166 | 1.080 | 228 | 294 | 0.239 | 0.355 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.6602 | 0.0705 | 0.107 | 1.907 | 1.381 | 69 | 87 | 0.519 | 0.801 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9511 | 0.0189 | 0.020 | 0.949 | 0.974 | 92 | 124 | 0.913 | 0.989 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2516 | 0.0380 | 0.151 | 0.943 | 0.971 | 92 | 124 | 0.176 | 0.328 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.6415 | 0.0927 | 0.144 | 1.232 | 1.110 | 27 | 34 | 0.456 | 0.827 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1233 | 0.0169 | 0.137 | 1.313 | 1.146 | 377 | 499 | 0.090 | 0.157 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0298 | 0.0068 | 0.228 | 0.796 | 0.892 | 377 | 499 | 0.016 | 0.043 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.2724 | 0.0253 | 0.093 | 1.601 | 1.265 | 378 | 498 | 0.222 | 0.323 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.5220 | 0.0661 | 0.127 | 1.348 | 1.161 | 59 | 78 | 0.390 | 0.654 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.9: Sampling errors: Bauchi

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.6022 | 0.0591 | 0.098 | 13.876 | 3.725 | 8746 | 952 | 0.484 | 0.720 |
| Use of improved sanitation | 4.3 | 7.9 | 0.3784 | 0.0440 | 0.116 | 7.817 | 2.796 | 8746 | 952 | 0.290 | 0.466 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.3860 | 0.0495 | 0.128 | 12.961 | 3.600 | 1820 | 1255 | 0.287 | 0.485 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 81 | 9.475 | 0.117 | na | na | | na | 62 | 100 |
| Under five mortality rate | 1.5 | 4.1 | 161 | 17.776 | 0.111 | na | na | | na | 125 | 196 |
| Adolescent birth rate | 5.1 | 5.4 | 186 | 16.816 | 0.090 | na | na | | na | 152 | 220 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.1189 | 0.0145 | 0.122 | 1.989 | 1.410 | 1330 | 990 | 0.090 | 0.148 |
| Unmet need | 5.4 | 5.6 | 0.2708 | 0.0151 | 0.056 | 1.137 | 1.066 | 1330 | 990 | 0.241 | 0.301 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.3297 | 0.0359 | 0.109 | 2.693 | 1.641 | 618 | 464 | 0.258 | 0.401 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.2211 | 0.0350 | 0.158 | 3.301 | 1.817 | 618 | 464 | 0.151 | 0.291 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.5977 | 0.0470 | 0.079 | 4.256 | 2.063 | 618 | 464 | 0.504 | 0.692 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.2556 | 0.0528 | 0.206 | 6.582 | 2.566 | 607 | 451 | 0.150 | 0.361 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.3522 | 0.0448 | 0.127 | 3.963 | 1.991 | 607 | 451 | 0.263 | 0.442 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.1263 | 0.1384 | 1.096 | 1.215 | 1.102 | 8 | 8 | 0.000 | 0.403 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.3981 | 0.0656 | 0.165 | 4.058 | 2.014 | 286 | 227 | 0.267 | 0.529 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2568 | 0.0474 | 0.185 | 2.665 | 1.632 | 286 | 227 | 0.162 | 0.352 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5714 | 0.0921 | 0.161 | 0.138 | 0.372 | 3 | 5 | 0.387 | 0.756 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.4852 | 0.0264 | 0.054 | 3.232 | 1.798 | 1502 | 1156 | 0.432 | 0.538 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.1531 | 0.0177 | 0.116 | 2.796 | 1.672 | 1502 | 1156 | 0.118 | 0.189 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.5787 | 0.0338 | 0.058 | 5.445 | 2.333 | 1520 | 1163 | 0.511 | 0.646 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3218 | 0.0300 | 0.093 | 1.516 | 1.231 | 453 | 368 | 0.262 | 0.382 |

na: not applicable

Table SE.10: Sampling errors: Bayelsa

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.6059 | 0.0536 | 0.088 | 10.550 | 3.248 | 1279 | 878 | 0.499 | 0.713 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2091 | 0.0277 | 0.132 | 4.062 | 2.015 | 1279 | 878 | 0.154 | 0.264 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.8493 | 0.0194 | 0.023 | 1.854 | 1.362 | 219 | 632 | 0.811 | 0.888 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 57 | 10.909 | 0.193 | na | na | | na | 35 | 78 |
| Under five mortality rate | 1.5 | 4.1 | 95 | 14.797 | 0.155 | na | na | | na | 66 | 125 |
| Adolescent birth rate | 5.1 | 5.4 | 78 | 14.789 | 0.191 | na | na | | na | 48 | 107 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.1460 | 0.0211 | 0.145 | 1.514 | 1.231 | 143 | 425 | 0.104 | 0.188 |
| Unmet need | 5.4 | 5.6 | 0.3724 | 0.0249 | 0.067 | 1.127 | 1.061 | 143 | 425 | 0.323 | 0.422 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.6292 | 0.0467 | 0.074 | 2.022 | 1.422 | 73 | 217 | 0.536 | 0.723 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.3758 | 0.0440 | 0.117 | 1.779 | 1.334 | 73 | 217 | 0.288 | 0.464 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.6219 | 0.0480 | 0.077 | 2.116 | 1.455 | 73 | 217 | 0.526 | 0.718 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9583 | 0.0162 | 0.017 | 1.755 | 1.325 | 90 | 268 | 0.926 | 0.991 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.4241 | 0.0392 | 0.092 | 1.678 | 1.295 | 90 | 268 | 0.346 | 0.502 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.3225 | 0.0482 | 0.149 | 1.244 | 1.115 | 39 | 118 | 0.226 | 0.419 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9834 | 0.0119 | 0.012 | 1.053 | 1.026 | 43 | 122 | 0.226 | 1.000 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2568 | 0.0539 | 0.210 | 1.841 | 1.357 | 43 | 122 | 0.226 | 0.365 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5081 | 0.0734 | 0.144 | 1.098 | 1.048 | 18 | 52 | 0.361 | 0.655 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.0996 | 0.0145 | 0.145 | 1.254 | 1.120 | 174 | 539 | 0.071 | 0.129 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0226 | 0.0075 | 0.334 | 1.382 | 1.175 | 174 | 539 | 0.008 | 0.038 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.3857 | 0.0436 | 0.113 | 4.342 | 2.084 | 174 | 543 | 0.299 | 0.473 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.4713 | 0.0595 | 0.126 | 1.391 | 1.179 | 32 | 99 | 0.352 | 0.590 |

na: not applicable

Table SE.11: Sampling errors: Benue

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.6432 | 0.0526 | 0.082 | 10.712 | 3.273 | 5012 | 889 | 0.538 | 0.748 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2215 | 0.0327 | 0.148 | 5.516 | 2.349 | 5012 | 889 | 0.156 | 0.287 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.7117 | 0.0287 | 0.040 | 3.123 | 1.767 | 873 | 780 | 0.654 | 0.769 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 70 | 15.382 | 0.220 | na | na | | na | 39 | 101 |
| Under five mortality rate | 1.5 | 4.1 | 82 | 15.019 | 0.182 | na | na | | na | 52 | 112 |
| Adolescent birth rate | 5.1 | 5.4 | 79 | 14.618 | 0.186 | na | na | | na | 49 | 108 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.1814 | 0.0193 | 0.107 | 1.481 | 1.217 | 650 | 589 | 0.143 | 0.220 |
| Unmet need | 5.4 | 5.6 | 0.2361 | 0.0192 | 0.081 | 1.199 | 1.095 | 650 | 589 | 0.198 | 0.274 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.4816 | 0.0480 | 0.100 | 2.261 | 1.504 | 271 | 246 | 0.386 | 0.578 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.6282 | 0.0644 | 0.103 | 4.353 | 2.086 | 271 | 246 | 0.499 | 0.757 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.6745 | 0.0602 | 0.089 | 4.042 | 2.011 | 271 | 246 | 0.554 | 0.795 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.6989 | 0.0376 | 0.054 | 2.249 | 1.500 | 368 | 335 | 0.624 | 0.774 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.3862 | 0.0392 | 0.101 | 2.165 | 1.471 | 368 | 335 | 0.308 | 0.465 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5367 | 0.0601 | 0.112 | 1.453 | 1.205 | 103 | 101 | 0.416 | 0.657 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9054 | 0.0251 | 0.028 | 1.154 | 1.074 | 184 | 158 | 0.855 | 0.956 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2818 | 0.0457 | 0.162 | 1.619 | 1.272 | 184 | 158 | 0.190 | 0.373 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.6164 | 0.1216 | 0.197 | 1.126 | 1.061 | 22 | 19 | 0.373 | 0.860 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1513 | 0.0151 | 0.100 | 1.164 | 1.079 | 678 | 653 | 0.121 | 0.182 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0492 | 0.0085 | 0.172 | 1.004 | 1.002 | 678 | 653 | 0.032 | 0.066 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.7384 | 0.0312 | 0.042 | 3.341 | 1.828 | 692 | 663 | 0.676 | 0.801 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3779 | 0.0730 | 0.193 | 1.155 | 1.075 | 54 | 52 | 0.232 | 0.524 |

na: not applicable

Table SE.12: Sampling errors: Borno

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators., Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.4696 | 0.0566 | 0.121 | 3.705 | 1.925 | 11063 | 289 | 0.356 | 0.583 |
| Use of improved sanitation | 4.3 | 7.9 | 0.5234 | 0.0448 | 0.086 | 2.314 | 1.521 | 11063 | 289 | 0.434 | 0.613 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.5300 | 0.0687 | 0.130 | 8.135 | 2.852 | 2318 | 430 | 0.393 | 0.668 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 42 | 15.684 | 0.375 | na | na | | na | 11 | 73 |
| Under five mortality rate | 1.5 | 4.1 | 82 | 18.759 | 0.229 | na | na | | na | 44 | 120 |
| Adolescent birth rate | 5.1 | 5.4 | 128 | 30.175 | 0.236 | na | na | | na | 67 | 188 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0578 | 0.0189 | 0.327 | 1.753 | 1.324 | 1240 | 268 | 0.020 | 0.096 |
| Unmet need | 5.4 | 5.6 | 0.2585 | 0.0390 | 0.151 | 2.121 | 1.456 | 1240 | 268 | 0.180 | 0.337 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.6187 | 0.0327 | 0.053 | 0.628 | 0.793 | 692 | 140 | 0.553 | 0.684 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.4878 | 0.0672 | 0.138 | 2.510 | 1.584 | 692 | 140 | 0.353 | 0.622 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.8909 | 0.0327 | 0.037 | 1.526 | 1.235 | 692 | 140 | 0.826 | 0.956 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.5644 | 0.0982 | 0.174 | 6.039 | 2.458 | 783 | 155 | 0.368 | 0.761 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.3944 | 0.0423 | 0.107 | 1.153 | 1.074 | 783 | 155 | 0.310 | 0.479 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.0000 | 0.0000 | | | | 16 | 4 | 0.000 | 0.000 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.6026 | 0.1321 | 0.219 | 4.958 | 2.227 | 294 | 69 | 0.338 | 0.867 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.6247 | 0.1201 | 0.192 | 4.181 | 2.045 | 294 | 69 | 0.385 | 0.865 |
| Condom use with non-regular partners | 9.15 | 6.2 | | | | | | 0 | 0 | 0.000 | 0.000 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.3636 | 0.0444 | 0.122 | 3.211 | 1.792 | 1817 | 378 | 0.275 | 0.452 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.1217 | 0.0231 | 0.190 | 1.885 | 1.373 | 1817 | 378 | 0.075 | 0.168 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.6328 | 0.0682 | 0.108 | 7.607 | 2.758 | 1829 | 381 | 0.496 | 0.769 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.6302 | 0.0742 | 0.118 | 2.527 | 1.590 | 549 | 108 | 0.482 | 0.779 |

na: not applicable

Table SE.13: Sampling errors: Cross River

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators,, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.5391 | 0.0694 | 0.129 | 16.678 | 4.084 | 3233 | 861 | 0.400 | 0.678 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2547 | 0.0391 | 0.153 | 6.922 | 2.631 | 3233 | 861 | 0.177 | 0.333 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.8475 | 0.0169 | 0.020 | 1.412 | 1.188 | 580 | 640 | 0.814 | 0.881 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 38 | 11.752 | 0.310 | na | na | | na | 14 | 61 |
| Under five mortality rate | 1.5 | 4.1 | 52 | 13.457 | 0.257 | na | na | | na | 25 | 79 |
| Adolescent birth rate | 5.1 | 5.4 | 68 | 17.639 | 0.259 | na | na | | na | 33 | 103 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.2302 | 0.0280 | 0.122 | 1.910 | 1.382 | 391 | 432 | 0.174 | 0.286 |
| Unmet need | 5.4 | 5.6 | 0.2624 | 0.0307 | 0.117 | 2.099 | 1.449 | 391 | 432 | 0.201 | 0.324 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.6710 | 0.0407 | 0.061 | 1.421 | 1.192 | 162 | 190 | 0.590 | 0.753 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.6462 | 0.0478 | 0.074 | 1.891 | 1.375 | 162 | 190 | 0.551 | 0.742 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.8097 | 0.0407 | 0.050 | 2.035 | 1.426 | 162 | 190 | 0.728 | 0.891 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9430 | 0.0170 | 0.018 | 1.401 | 1.184 | 248 | 261 | 0.909 | 0.977 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.3788 | 0.0377 | 0.100 | 1.574 | 1.254 | 248 | 261 | 0.303 | 0.454 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.4730 | 0.0723 | 0.153 | 1.447 | 1.203 | 72 | 70 | 0.328 | 0.618 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9498 | 0.0203 | 0.021 | 1.007 | 1.003 | 102 | 118 | 0.909 | 0.990 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.4454 | 0.0636 | 0.143 | 1.918 | 1.385 | 102 | 118 | 0.318 | 0.573 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.4692 | 0.0835 | 0.178 | 1.513 | 1.230 | 45 | 55 | 0.302 | 0.636 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1390 | 0.0202 | 0.145 | 1.635 | 1.279 | 386 | 483 | 0.099 | 0.179 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0281 | 0.0097 | 0.344 | 1.645 | 1.283 | 386 | 483 | 0.009 | 0.047 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.5871 | 0.0384 | 0.065 | 2.958 | 1.720 | 390 | 487 | 0.510 | 0.664 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.4675 | 0.0515 | 0.110 | 1.522 | 1.234 | 114 | 144 | 0.365 | 0.571 |

na: not applicable

Table SE.14: Sampling errors: Delta

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators., Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.7942 | 0.0479 | 0.060 | 12.023 | 3.467 | 2921 | 859 | 0.698 | 0.890 |
| Use of improved sanitation | 4.3 | 7.9 | 0.3814 | 0.0364 | 0.095 | 4.819 | 2.195 | 2921 | 859 | 0.309 | 0.454 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.8532 | 0.0184 | 0.022 | 1.399 | 1.183 | 434 | 519 | 0.816 | 0.890 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 48 | 11.059 | 0.232 | na | na | | na | 26 | 70 |
| Under five mortality rate | 1.5 | 4.1 | 63 | 14.175 | 0.226 | na | na | | na | 34 | 91 |
| Adolescent birth rate | 5.1 | 5.4 | 57 | 11.727 | 0.207 | na | na | | na | 33 | 80 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.1093 | 0.0171 | 0.157 | 1.290 | 1.136 | 354 | 428 | 0.075 | 0.144 |
| Unmet need | 5.4 | 5.6 | 0.4476 | 0.0267 | 0.060 | 1.229 | 1.108 | 354 | 428 | 0.394 | 0.501 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.6452 | 0.0401 | 0.062 | 1.486 | 1.219 | 173 | 213 | 0.565 | 0.725 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.7089 | 0.0440 | 0.062 | 1.988 | 1.410 | 173 | 213 | 0.621 | 0.797 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.7739 | 0.0479 | 0.062 | 2.775 | 1.666 | 173 | 213 | 0.678 | 0.870 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9102 | 0.0185 | 0.020 | 0.950 | 0.975 | 202 | 229 | 0.873 | 0.947 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2528 | 0.0283 | 0.112 | 0.965 | 0.982 | 202 | 229 | 0.196 | 0.309 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.2799 | 0.0452 | 0.162 | 0.629 | 0.793 | 56 | 63 | 0.189 | 0.370 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9530 | 0.0218 | 0.023 | 1.185 | 1.088 | 99 | 113 | 0.910 | 0.997 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2823 | 0.0585 | 0.207 | 1.893 | 1.376 | 99 | 113 | 0.165 | 0.399 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5745 | 0.0979 | 0.170 | 1.842 | 1.357 | 44 | 48 | 0.379 | 0.770 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1117 | 0.0167 | 0.149 | 1.483 | 1.218 | 406 | 529 | 0.078 | 0.145 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0223 | 0.0062 | 0.276 | 0.920 | 0.959 | 406 | 529 | 0.010 | 0.035 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.2745 | 0.0336 | 0.123 | 3.002 | 1.732 | 406 | 529 | 0.207 | 0.342 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.4738 | 0.0533 | 0.113 | 1.289 | 1.135 | 84 | 114 | 0.367 | 0.580 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.15: Sampling errors: Ebonyi

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.7637 | 0.0310 | 0.041 | 4.948 | 2.224 | 2248 | 932 | 0.702 | 0.826 |
| Use of improved sanitation | 4.3 | 7.9 | 0.1212 | 0.0193 | 0.159 | 3.245 | 1.801 | 2248 | 932 | 0.083 | 0.160 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.7865 | 0.0257 | 0.033 | 2.709 | 1.646 | 389 | 691 | 0.735 | 0.838 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 47 | 10.934 | 0.231 | na | na | | na | 26 | 69 |
| Under five mortality rate | 1.5 | 4.1 | 62 | 13.129 | 0.213 | na | na | | na | 35 | 88 |
| Adolescent birth rate | 5.1 | 5.4 | 53 | 12.822 | 0.243 | na | na | | na | 27 | 78 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0297 | 0.0081 | 0.271 | 0.916 | 0.957 | 212 | 408 | 0.014 | 0.046 |
| Unmet need | 5.4 | 5.6 | 0.2982 | 0.0289 | 0.097 | 1.619 | 1.272 | 212 | 408 | 0.240 | 0.356 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.5774 | 0.0411 | 0.071 | 1.507 | 1.227 | 111 | 219 | 0.495 | 0.660 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.7260 | 0.0434 | 0.060 | 2.067 | 1.438 | 111 | 219 | 0.639 | 0.813 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.7503 | 0.0347 | 0.046 | 1.401 | 1.184 | 111 | 219 | 0.681 | 0.820 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.8341 | 0.0255 | 0.031 | 1.513 | 1.230 | 167 | 322 | 0.783 | 0.885 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.1282 | 0.0230 | 0.180 | 1.525 | 1.235 | 167 | 322 | 0.082 | 0.174 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.2753 | 0.0688 | 0.250 | 1.376 | 1.173 | 30 | 59 | 0.138 | 0.413 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.8187 | 0.0386 | 0.047 | 1.134 | 1.065 | 57 | 114 | 0.741 | 0.896 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.3782 | 0.0691 | 0.183 | 2.297 | 1.516 | 57 | 114 | 0.240 | 0.516 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.7678 | 0.0885 | 0.115 | 1.361 | 1.167 | 16 | 32 | 0.591 | 0.945 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1764 | 0.0196 | 0.111 | 1.414 | 1.189 | 267 | 534 | 0.137 | 0.216 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0669 | 0.0122 | 0.183 | 1.279 | 1.131 | 267 | 534 | 0.042 | 0.091 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.5712 | 0.0307 | 0.054 | 2.064 | 1.437 | 269 | 536 | 0.510 | 0.633 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3693 | 0.0793 | 0.215 | 1.889 | 1.375 | 35 | 71 | 0.211 | 0.528 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.16: Sampling errors: Edo

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.8793 | 0.0348 | 0.040 | 10.835 | 3.292 | 2339 | 948 | 0.810 | 0.949 |
| Use of improved sanitation | 4.3 | 7.9 | 0.5161 | 0.0347 | 0.067 | 4.553 | 2.134 | 2339 | 948 | 0.447 | 0.585 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.9144 | 0.0130 | 0.014 | 1.088 | 1.043 | 355 | 507 | 0.888 | 0.940 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | | 4.417 | 0.591 | na | na | | na | -1 | 16 |
| Under five mortality rate | 1.5 | 4.1 | | 5.922 | 0.438 | na | na | | na | 2 | 25 |
| Adolescent birth rate | 5.1 | 5.4 | 42 | 12.049 | 0.290 | na | na | | na | 17 | 66 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.1575 | 0.0207 | 0.132 | 1.451 | 1.205 | 296 | 449 | 0.116 | 0.199 |
| Unmet need | 5.4 | 5.6 | 0.3904 | 0.0214 | 0.055 | 0.859 | 0.927 | 296 | 449 | 0.348 | 0.433 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.8365 | 0.0341 | 0.041 | 1.306 | 1.143 | 101 | 155 | 0.768 | 0.905 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.9282 | 0.0267 | 0.029 | 1.647 | 1.283 | 101 | 155 | 0.875 | 0.982 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.9153 | 0.0285 | 0.031 | 1.617 | 1.272 | 101 | 155 | 0.858 | 0.972 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9493 | 0.0145 | 0.015 | 1.117 | 1.057 | 163 | 256 | 0.920 | 0.978 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.5014 | 0.0562 | 0.112 | 3.220 | 1.794 | 163 | 256 | 0.389 | 0.614 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5928 | 0.0816 | 0.138 | 1.793 | 1.339 | 40 | 66 | 0.430 | 0.756 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9834 | 0.0101 | 0.010 | 0.743 | 0.862 | 67 | 119 | 0.963 | 1.000 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2686 | 0.0606 | 0.226 | 2.207 | 1.486 | 67 | 119 | 0.147 | 0.390 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5850 | 0.1293 | 0.221 | 1.654 | 1.286 | 13 | 25 | 0.326 | 0.844 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1016 | 0.0164 | 0.161 | 1.284 | 1.133 | 280 | 439 | 0.069 | 0.134 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0213 | 0.0072 | 0.338 | 1.086 | 1.042 | 280 | 439 | 0.007 | 0.036 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.2097 | 0.0340 | 0.162 | 3.075 | 1.754 | 280 | 441 | 0.142 | 0.278 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.6997 | 0.0765 | 0.109 | 1.030 | 1.015 | 26 | 38 | 0.547 | 0.853 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.17: Sampling errors: Ekiti

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.8436 | 0.0322 | 0.038 | 6.627 | 2.574 | 1128 | 842 | 0.779 | 0.908 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2555 | 0.0294 | 0.115 | 3.820 | 1.955 | 1128 | 842 | 0.197 | 0.314 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.8931 | 0.0180 | 0.020 | 1.354 | 1.164 | 166 | 402 | 0.857 | 0.929 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 59 | 17.434 | 0.295 | na | na | | na | 24 | 94 |
| Under five mortality rate | 1.5 | 4.1 | 74 | 17.721 | 0.241 | na | na | | na | 38 | 109 |
| Adolescent birth rate | 5.1 | 5.4 | 60 | 16.045 | 0.265 | na | na | | na | 28 | 93 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.3142 | 0.0287 | 0.091 | 1.261 | 1.123 | 143 | 331 | 0.257 | 0.372 |
| Unmet need | 5.4 | 5.6 | 0.2611 | 0.0280 | 0.107 | 1.338 | 1.157 | 143 | 331 | 0.205 | 0.317 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.8607 | 0.0331 | 0.038 | 1.135 | 1.065 | 54 | 125 | 0.794 | 0.927 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.7825 | 0.0423 | 0.054 | 1.302 | 1.141 | 54 | 125 | 0.698 | 0.867 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.8789 | 0.0348 | 0.040 | 1.408 | 1.187 | 54 | 125 | 0.809 | 0.948 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9674 | 0.0140 | 0.015 | 0.913 | 0.956 | 67 | 147 | 0.939 | 0.996 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2855 | 0.0361 | 0.126 | 0.933 | 0.966 | 67 | 147 | 0.213 | 0.358 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.4101 | 0.0943 | 0.230 | 1.139 | 1.067 | 14 | 32 | 0.222 | 0.599 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9900 | 0.0100 | 0.010 | 0.707 | 0.841 | 31 | 71 | 0.970 | 1.000 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.1735 | 0.0468 | 0.270 | 1.069 | 1.034 | 31 | 71 | 0.080 | 0.267 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.8301 | 0.0670 | 0.081 | 0.667 | 0.817 | 9 | 22 | 0.696 | 0.964 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1162 | 0.0177 | 0.153 | 0.932 | 0.965 | 122 | 305 | 0.081 | 0.152 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0309 | 0.0102 | 0.330 | 1.060 | 1.030 | 122 | 305 | 0.010 | 0.051 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.2084 | 0.0275 | 0.132 | 1.398 | 1.182 | 123 | 306 | 0.153 | 0.263 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3525 | 0.0970 | 0.275 | 1.690 | 1.300 | 17 | 42 | 0.159 | 0.547 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.18: Sampling errors: Enugu

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.5924 | 0.0518 | 0.088 | 9.870 | 3.142 | 2399 | 888 | 0.489 | 0.696 |
| Use of improved sanitation | 4.3 | 7.9 | 0.3287 | 0.0321 | 0.098 | 4.148 | 2.037 | 2399 | 888 | 0.264 | 0.393 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.8791 | 0.0199 | 0.023 | 1.763 | 1.328 | 338 | 473 | 0.839 | 0.919 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | | 6.160 | 0.328 | na | na | | na | 6 | 31 |
| Under five mortality rate | 1.5 | 4.1 | | 8.371 | 0.263 | na | na | | na | 15 | 49 |
| Adolescent birth rate | 5.1 | 5.4 | 23 | 8.484 | 0.365 | na | na | | na | 6 | 40 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.2212 | 0.0263 | 0.119 | 1.390 | 1.179 | 232 | 348 | 0.169 | 0.274 |
| Unmet need | 5.4 | 5.6 | 0.2511 | 0.0270 | 0.108 | 1.349 | 1.161 | 232 | 348 | 0.197 | 0.305 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.7672 | 0.0346 | 0.045 | 1.059 | 1.029 | 105 | 159 | 0.698 | 0.836 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.9225 | 0.0244 | 0.026 | 1.315 | 1.147 | 105 | 159 | 0.874 | 0.971 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.9301 | 0.0199 | 0.021 | 0.962 | 0.981 | 105 | 159 | 0.890 | 0.970 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9785 | 0.0091 | 0.009 | 1.112 | 1.055 | 198 | 282 | 0.960 | 0.997 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2472 | 0.0342 | 0.139 | 1.770 | 1.331 | 198 | 282 | 0.179 | 0.316 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5756 | 0.0733 | 0.127 | 1.385 | 1.177 | 45 | 64 | 0.429 | 0.722 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9679 | 0.0204 | 0.021 | 1.594 | 1.262 | 83 | 120 | 0.927 | 1.000 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.5054 | 0.0633 | 0.125 | 1.910 | 1.382 | 83 | 120 | 0.379 | 0.632 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.8134 | 0.0574 | 0.071 | 1.129 | 1.063 | 37 | 53 | 0.699 | 0.928 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.0572 | 0.0160 | 0.280 | 1.947 | 1.395 | 262 | 409 | 0.025 | 0.089 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0052 | 0.0031 | 0.597 | 0.766 | 0.875 | 262 | 409 | 0.000 | 0.012 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.2666 | 0.0310 | 0.116 | 2.030 | 1.425 | 266 | 413 | 0.204 | 0.329 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.5169 | 0.0534 | 0.103 | 0.720 | 0.848 | 47 | 64 | 0.410 | 0.624 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.19: Sampling errors: Gombe

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.3919 | 0.0524 | 0.134 | 10.248 | 3.201 | 3291 | 890 | 0.287 | 0.497 |
| Use of improved sanitation | 4.3 | 7.9 | 0.4291 | 0.0336 | 0.078 | 4.109 | 2.027 | 3291 | 890 | 0.362 | 0.496 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.3794 | 0.0498 | 0.131 | 11.014 | 3.319 | 645 | 1048 | 0.280 | 0.479 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 90 | 11.095 | 0.123 | na | na | na | na | 68 | 113 |
| Under five mortality rate | 1.5 | 4.1 | 162 | 14.990 | 0.093 | na | na | na | na | 132 | 192 |
| Adolescent birth rate | 5.1 | 5.4 | 181 | 18.817 | 0.104 | na | na | na | na | 143 | 219 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0660 | 0.0128 | 0.194 | 1.978 | 1.406 | 440 | 747 | 0.040 | 0.092 |
| Unmet need | 5.4 | 5.6 | 0.2784 | 0.0175 | 0.063 | 1.142 | 1.068 | 440 | 747 | 0.243 | 0.313 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.3406 | 0.0368 | 0.108 | 2.450 | 1.565 | 236 | 408 | 0.267 | 0.414 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.3909 | 0.0417 | 0.107 | 2.974 | 1.725 | 236 | 408 | 0.307 | 0.474 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.6749 | 0.0413 | 0.061 | 3.168 | 1.780 | 236 | 408 | 0.592 | 0.758 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.3747 | 0.0608 | 0.162 | 6.414 | 2.533 | 232 | 408 | 0.253 | 0.496 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.1168 | 0.0235 | 0.201 | 2.171 | 1.474 | 232 | 408 | 0.070 | 0.164 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.3432 | 0.0805 | 0.235 | 0.575 | 0.758 | 9 | 21 | 0.182 | 0.504 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.4746 | 0.0618 | 0.130 | 3.279 | 1.811 | 118 | 215 | 0.351 | 0.598 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2864 | 0.0479 | 0.167 | 2.398 | 1.549 | 118 | 215 | 0.191 | 0.382 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.6000 | 0.1284 | 0.214 | 1.030 | 1.015 | 7 | 16 | 0.343 | 0.857 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.4124 | 0.0319 | 0.077 | 3.933 | 1.983 | 528 | 937 | 0.349 | 0.476 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.1765 | 0.0187 | 0.106 | 2.260 | 1.503 | 528 | 937 | 0.139 | 0.214 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.6182 | 0.0349 | 0.057 | 4.881 | 2.209 | 532 | 945 | 0.548 | 0.688 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.2961 | 0.0323 | 0.109 | 1.480 | 1.217 | 167262902 | 296 | 0.231 | 0.361 |

na: not applicable

Table SE.20: Sampling errors: Imo

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.9219 | 0.0237 | 0.026 | 7.038 | 2.653 | 3270 | 907 | 0.875 | 0.969 |
| Use of improved sanitation | 4.3 | 7.9 | 0.5784 | 0.0277 | 0.048 | 2.845 | 1.687 | 3270 | 907 | 0.523 | 0.634 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.8960 | 0.0224 | 0.025 | 2.689 | 1.640 | 451 | 499 | 0.851 | 0.941 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 66 | 12.762 | 0.194 | na | na | | na | 40 | 91 |
| Under five mortality rate | 1.5 | 4.1 | 96 | 16.358 | 0.170 | na | na | | na | 64 | 129 |
| Adolescent birth rate | 5.1 | 5.4 | 36 | 12.346 | 0.344 | na | na | | na | 11 | 61 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.3579 | 0.0353 | 0.099 | 2.200 | 1.483 | 345 | 406 | 0.287 | 0.429 |
| Unmet need | 5.4 | 5.6 | 0.1897 | 0.0230 | 0.121 | 1.390 | 1.179 | 345 | 406 | 0.144 | 0.236 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.8191 | 0.0337 | 0.041 | 1.400 | 1.183 | 164 | 184 | 0.752 | 0.886 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.9595 | 0.0147 | 0.015 | 1.014 | 1.007 | 164 | 184 | 0.930 | 0.989 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.9566 | 0.0150 | 0.016 | 0.988 | 0.994 | 164 | 184 | 0.927 | 0.987 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9821 | 0.0086 | 0.009 | 1.044 | 1.022 | 220 | 248 | 0.965 | 0.999 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.3184 | 0.0349 | 0.110 | 1.387 | 1.178 | 220 | 248 | 0.249 | 0.388 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.7593 | 0.0529 | 0.070 | 0.918 | 0.958 | 60 | 61 | 0.654 | 0.865 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9890 | 0.0083 | 0.008 | 0.789 | 0.888 | 98 | 126 | 0.000 | 1.000 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2773 | 0.0524 | 0.189 | 1.716 | 1.310 | 98 | 126 | 0.000 | 0.382 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.7592 | 0.0822 | 0.108 | 1.588 | 1.260 | 37 | 44 | 0.595 | 0.924 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1426 | 0.0244 | 0.171 | 2.252 | 1.501 | 398 | 462 | 0.094 | 0.191 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0369 | 0.0093 | 0.251 | 1.118 | 1.058 | 398 | 462 | 0.018 | 0.056 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.1787 | 0.0407 | 0.228 | 5.300 | 2.302 | 404 | 470 | 0.097 | 0.260 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3085 | 0.0548 | 0.178 | 1.776 | 1.333 | 112 | 127 | 0.199 | 0.418 |

na: not applicable

Table SE.21: Sampling errors: Jigawa

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.7941 | 0.0405 | 0.051 | 9.334 | 3.055 | 8019 | 931 | 0.713 | 0.875 |
| Use of improved sanitation | 4.3 | 7.9 | 0.3282 | 0.0425 | 0.130 | 7.634 | 2.763 | 8019 | 931 | 0.243 | 0.413 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.3860 | 0.0512 | 0.133 | 15.752 | 3.969 | 1776 | 1427 | 0.284 | 0.488 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 83 | 15.380 | 0.186 | na | na | | na | 52 | 113 |
| Under five mortality rate | 1.5 | 4.1 | 192 | 22.028 | 0.114 | na | na | | na | 148 | 236 |
| Adolescent birth rate | 5.1 | 5.4 | 186 | 23.407 | 0.126 | na | na | | na | 140 | 233 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0132 | 0.0076 | 0.571 | 4.137 | 2.034 | 1110 | 948 | 0.000 | 0.028 |
| Unmet need | 5.4 | 5.6 | 0.2647 | 0.0213 | 0.081 | 2.216 | 1.488 | 1110 | 948 | 0.222 | 0.307 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.3633 | 0.0474 | 0.131 | 4.943 | 2.223 | 595 | 509 | 0.268 | 0.458 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.2122 | 0.0297 | 0.140 | 2.677 | 1.636 | 595 | 509 | 0.153 | 0.272 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.5100 | 0.0513 | 0.101 | 5.353 | 2.314 | 595 | 509 | 0.407 | 0.613 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.2478 | 0.0597 | 0.241 | 7.809 | 2.794 | 481 | 409 | 0.128 | 0.367 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.0854 | 0.0194 | 0.228 | 1.972 | 1.404 | 481 | 409 | 0.047 | 0.124 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.0000 | 0.0000 | | | | 35 | 26 | 0.000 | 0.000 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.3227 | 0.0660 | 0.204 | 3.844 | 1.961 | 214 | 194 | 0.191 | 0.455 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.1262 | 0.0337 | 0.267 | 1.992 | 1.411 | 214 | 194 | 0.059 | 0.194 |
| Condom use with non-regular partners | 9.15 | 6.2 | 1.0000 | 0.0000 | 0.000 | | | 7 | 2 | 1.000 | 1.000 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.5041 | 0.0219 | 0.043 | 2.316 | 1.522 | 1366 | 1205 | 0.460 | 0.548 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.2222 | 0.0143 | 0.064 | 1.429 | 1.195 | 1366 | 1205 | 0.194 | 0.251 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.7443 | 0.0288 | 0.039 | 5.302 | 2.303 | 1389 | 1220 | 0.687 | 0.802 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.1675 | 0.0374 | 0.223 | 3.745 | 1.935 | 438 | 375 | 0.093 | 0.242 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.22: Sampling errors: Kaduna

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.6114 | 0.0374 | 0.061 | 5.287 | 2.299 | 10418 | 897 | 0.537 | 0.686 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2942 | 0.0305 | 0.104 | 4.012 | 2.003 | 10418 | 897 | 0.233 | 0.355 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.6650 | 0.0475 | 0.071 | 10.936 | 3.307 | 1976 | 1081 | 0.570 | 0.760 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 66 | 8.557 | 0.130 | na | na | | na | 48 | 83 |
| Under five mortality rate | 1.5 | 4.1 | 82 | 10.579 | 0.129 | na | na | | na | 61 | 103 |
| Adolescent birth rate | 5.1 | 5.4 | 134 | 21.172 | 0.158 | na | na | | na | 91 | 176 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.2410 | 0.0263 | 0.109 | 3.104 | 1.762 | 1475 | 822 | 0.188 | 0.294 |
| Unmet need | 5.4 | 5.6 | 0.2202 | 0.0158 | 0.072 | 1.196 | 1.094 | 1475 | 822 | 0.189 | 0.252 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.4383 | 0.0512 | 0.117 | 3.998 | 1.999 | 663 | 376 | 0.336 | 0.541 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.4708 | 0.0530 | 0.113 | 4.228 | 2.056 | 663 | 376 | 0.365 | 0.577 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.7610 | 0.0516 | 0.068 | 5.481 | 2.341 | 663 | 376 | 0.658 | 0.864 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.5439 | 0.0668 | 0.123 | 8.484 | 2.913 | 859 | 472 | 0.410 | 0.678 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.5284 | 0.0445 | 0.084 | 3.747 | 1.936 | 859 | 472 | 0.439 | 0.617 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.4875 | 0.1104 | 0.226 | 1.952 | 1.397 | 64 | 41 | 0.267 | 0.708 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.6524 | 0.0591 | 0.091 | 3.124 | 1.767 | 361 | 204 | 0.534 | 0.771 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.1007 | 0.0348 | 0.346 | 2.723 | 1.650 | 361 | 204 | 0.031 | 0.170 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.6588 | 0.1336 | 0.203 | 1.905 | 1.380 | 35 | 25 | 0.392 | 0.926 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.3399 | 0.0342 | 0.101 | 4.814 | 2.194 | 1585 | 924 | 0.271 | 0.408 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.1285 | 0.0172 | 0.134 | 2.439 | 1.562 | 1585 | 924 | 0.094 | 0.163 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.4435 | 0.0372 | 0.084 | 5.201 | 2.281 | 1597 | 928 | 0.369 | 0.518 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.5671 | 0.0374 | 0.066 | 1.251 | 1.118 | 383 | 221 | 0.492 | 0.642 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.23: Sampling errors: Kano

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.5792 | 0.0298 | 0.051 | 6.778 | 2.604 | 13560 | 1867 | 0.520 | 0.639 |
| Use of improved sanitation | 4.3 | 7.9 | 0.5509 | 0.0264 | 0.048 | 5.253 | 2.292 | 13560 | 1867 | 0.498 | 0.604 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.5484 | 0.0291 | 0.053 | 9.257 | 3.042 | 2726 | 2701 | 0.490 | 0.607 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 112 | 6.963 | 0.062 | na | na | | na | 98 | 126 |
| Under five mortality rate | 1.5 | 4.1 | 203 | 11.930 | 0.059 | na | na | | na | 179 | 227 |
| Adolescent birth rate | 5.1 | 5.4 | 169 | 14.533 | 0.086 | na | na | | na | 140 | 198 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0634 | 0.0094 | 0.148 | 2.966 | 1.722 | 1862 | 1999 | 0.045 | 0.082 |
| Unmet need | 5.4 | 5.6 | 0.3078 | 0.0137 | 0.044 | 1.751 | 1.323 | 1862 | 1999 | 0.280 | 0.335 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.4469 | 0.0242 | 0.054 | 2.650 | 1.628 | 1038 | 1119 | 0.398 | 0.495 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.1976 | 0.0226 | 0.115 | 3.610 | 1.900 | 1038 | 1119 | 0.152 | 0.243 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.6510 | 0.0266 | 0.041 | 3.473 | 1.864 | 1038 | 1119 | 0.598 | 0.704 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.4611 | 0.0455 | 0.099 | 8.375 | 2.894 | 971 | 1005 | 0.370 | 0.552 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.1552 | 0.0173 | 0.111 | 2.285 | 1.512 | 971 | 1005 | 0.121 | 0.190 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5517 | 0.4946 | 0.897 | 0.989 | 0.995 | 3 | 2 | 0.000 | 1.000 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.7253 | 0.0379 | 0.052 | 3.416 | 1.848 | 452 | 475 | 0.649 | 0.801 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2335 | 0.0264 | 0.113 | 1.842 | 1.357 | 452 | 475 | 0.181 | 0.286 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.8032 | 0.0596 | 0.074 | 1.099 | 1.048 | 50 | 50 | 0.684 | 0.922 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.4033 | 0.0162 | 0.040 | 2.748 | 1.658 | 2280 | 2510 | 0.371 | 0.436 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.1612 | 0.0116 | 0.072 | 2.508 | 1.584 | 2280 | 2510 | 0.138 | 0.185 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.6178 | 0.0181 | 0.029 | 3.543 | 1.882 | 2310 | 2542 | 0.581 | 0.654 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3899 | 0.0232 | 0.060 | 2.049 | 1.431 | 823 | 904 | 0.343 | 0.436 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.24: Sampling errors: Katsina

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.6076 | 0.0487 | 0.080 | 9.444 | 3.073 | 10941 | 949 | 0.510 | 0.705 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2822 | 0.0318 | 0.113 | 4.723 | 2.173 | 10941 | 949 | 0.219 | 0.346 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.5678 | 0.0460 | 0.081 | 10.722 | 3.274 | 2193 | 1243 | 0.476 | 0.660 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 68 | 7.709 | 0.114 | na | na | | na | 52 | 83 |
| Under five mortality rate | 1.5 | 4.1 | 135 | 12.117 | 0.090 | na | na | | na | 111 | 159 |
| Adolescent birth rate | 5.1 | 5.4 | 218 | 20.822 | 0.095 | na | na | | na | 177 | 260 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0633 | 0.0138 | 0.218 | 3.222 | 1.795 | 1671 | 1001 | 0.036 | 0.091 |
| Unmet need | 5.4 | 5.6 | 0.2953 | 0.0189 | 0.064 | 1.719 | 1.311 | 1671 | 1001 | 0.257 | 0.333 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.3342 | 0.0363 | 0.109 | 3.255 | 1.804 | 916 | 550 | 0.262 | 0.407 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.2079 | 0.0293 | 0.141 | 2.865 | 1.693 | 916 | 550 | 0.149 | 0.267 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.4512 | 0.0412 | 0.091 | 3.764 | 1.940 | 916 | 550 | 0.369 | 0.534 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.3259 | 0.0530 | 0.163 | 5.595 | 2.365 | 729 | 438 | 0.220 | 0.432 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.1213 | 0.0229 | 0.188 | 2.143 | 1.464 | 729 | 438 | 0.076 | 0.167 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.1071 | 0.1320 | 1.232 | 0.728 | 0.853 | 9 | 5 | 0.000 | 0.371 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.6264 | 0.0747 | 0.119 | 3.956 | 1.989 | 263 | 167 | 0.477 | 0.776 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.3650 | 0.0676 | 0.185 | 3.276 | 1.810 | 263 | 167 | 0.230 | 0.500 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.1449 | 0.1490 | 1.029 | 0.897 | 0.947 | 9 | 6 | 0.000 | 0.443 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.4639 | 0.0225 | 0.048 | 2.531 | 1.591 | 2051 | 1248 | 0.419 | 0.509 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.1851 | 0.0143 | 0.077 | 1.694 | 1.302 | 2051 | 1248 | 0.156 | 0.214 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.5868 | 0.0314 | 0.053 | 5.062 | 2.250 | 2051 | 1247 | 0.524 | 0.650 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.2453 | 0.0310 | 0.126 | 1.796 | 1.340 | 560 | 347 | 0.183 | 0.307 |

na: not applicable

Table SE.25: Sampling errors: Kebbi

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.5535 | 0.0415 | 0.075 | 6.411 | 2.532 | 5391 | 920 | 0.470 | 0.637 |
| Use of improved sanitation | 4.3 | 7.9 | 0.3054 | 0.0381 | 0.125 | 6.286 | 2.507 | 5391 | 920 | 0.229 | 0.382 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.3446 | 0.0420 | 0.122 | 9.646 | 3.106 | 1108 | 1237 | 0.261 | 0.429 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 111 | 11.104 | 0.100 | na | na | | na | 89 | 134 |
| Under five mortality rate | 1.5 | 4.1 | 174 | 13.012 | 0.075 | na | na | | na | 148 | 200 |
| Adolescent birth rate | 5.1 | 5.4 | 157 | 20.253 | 0.129 | na | na | | na | 117 | 198 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0634 | 0.0123 | 0.194 | 2.303 | 1.518 | 764 | 904 | 0.039 | 0.088 |
| Unmet need | 5.4 | 5.6 | 0.2960 | 0.0191 | 0.065 | 1.583 | 1.258 | 764 | 904 | 0.258 | 0.334 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.2086 | 0.0314 | 0.150 | 2.733 | 1.653 | 398 | 459 | 0.146 | 0.271 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.1787 | 0.0301 | 0.168 | 2.828 | 1.682 | 398 | 459 | 0.119 | 0.239 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.4536 | 0.0430 | 0.095 | 3.421 | 1.850 | 398 | 459 | 0.368 | 0.540 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.3086 | 0.0537 | 0.174 | 5.796 | 2.407 | 361 | 430 | 0.201 | 0.416 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.0301 | 0.0089 | 0.295 | 1.160 | 1.077 | 361 | 430 | 0.012 | 0.048 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.0611 | 0.0644 | 1.052 | 1.154 | 1.074 | 12 | 17 | 0.000 | 0.190 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.4177 | 0.0595 | 0.142 | 3.285 | 1.812 | 180 | 227 | 0.299 | 0.537 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.0437 | 0.0140 | 0.320 | 1.057 | 1.028 | 180 | 227 | 0.016 | 0.072 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.4000 | 0.1675 | 0.419 | 1.052 | 1.026 | 9 | 10 | 0.065 | 0.735 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.4488 | 0.0182 | 0.041 | 1.464 | 1.210 | 916 | 1097 | 0.412 | 0.485 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.1840 | 0.0152 | 0.082 | 1.678 | 1.295 | 916 | 1097 | 0.154 | 0.214 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.4451 | 0.0313 | 0.070 | 4.400 | 2.098 | 925 | 1109 | 0.382 | 0.508 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3093 | 0.0339 | 0.110 | 1.868 | 1.367 | 290 | 348 | 0.241 | 0.377 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.26: Sampling errors: Kogi

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.7024 | 0.0501 | 0.071 | 10.909 | 3.303 | 3152 | 910 | 0.602 | 0.803 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2166 | 0.0273 | 0.126 | 4.000 | 2.000 | 3152 | 910 | 0.162 | 0.271 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.8674 | 0.0201 | 0.023 | 2.622 | 1.619 | 542 | 748 | 0.827 | 0.908 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 49 | 11.072 | 0.225 | na | na | | na | 27 | 71 |
| Under five mortality rate | 1.5 | 4.1 | 75 | 14.437 | 0.192 | na | na | | na | 46 | 104 |
| Adolescent birth rate | 5.1 | 5.4 | 36 | 9.251 | 0.255 | na | na | | na | 18 | 55 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0672 | 0.0121 | 0.180 | 1.183 | 1.087 | 357 | 508 | 0.043 | 0.091 |
| Unmet need | 5.4 | 5.6 | 0.3347 | 0.0260 | 0.078 | 1.536 | 1.239 | 357 | 508 | 0.283 | 0.387 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.5701 | 0.0469 | 0.082 | 1.681 | 1.297 | 133 | 188 | 0.476 | 0.664 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.7839 | 0.0399 | 0.051 | 1.755 | 1.325 | 133 | 188 | 0.704 | 0.864 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.8041 | 0.0368 | 0.046 | 1.607 | 1.268 | 133 | 188 | 0.731 | 0.878 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.8632 | 0.0236 | 0.027 | 1.709 | 1.307 | 249 | 363 | 0.816 | 0.910 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.0851 | 0.0152 | 0.179 | 1.079 | 1.039 | 249 | 363 | 0.055 | 0.116 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.3214 | 0.0674 | 0.210 | 2.350 | 1.533 | 76 | 114 | 0.187 | 0.456 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9242 | 0.0233 | 0.025 | 1.354 | 1.163 | 126 | 176 | 0.878 | 0.971 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.0742 | 0.0169 | 0.228 | 0.727 | 0.853 | 126 | 176 | 0.040 | 0.108 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5328 | 0.0724 | 0.136 | 1.326 | 1.152 | 48 | 64 | 0.388 | 0.678 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1542 | 0.0184 | 0.119 | 1.413 | 1.189 | 367 | 547 | 0.117 | 0.191 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0485 | 0.0085 | 0.176 | 0.863 | 0.929 | 367 | 547 | 0.031 | 0.066 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.2927 | 0.0274 | 0.094 | 1.975 | 1.405 | 367 | 546 | 0.238 | 0.347 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3731 | 0.0442 | 0.118 | 1.119 | 1.058 | 88 | 135 | 0.285 | 0.461 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.27: Sampling errors: Kwara

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.8579 | 0.0396 | 0.046 | 11.187 | 3.345 | 2709 | 872 | 0.779 | 0.937 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2250 | 0.0372 | 0.165 | 6.903 | 2.627 | 2709 | 872 | 0.151 | 0.299 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.8610 | 0.0277 | 0.032 | 3.959 | 1.990 | 447 | 619 | 0.806 | 0.916 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 40 | 11.472 | 0.290 | na | na | | na | 17 | 62 |
| Under five mortality rate | 1.5 | 4.1 | 45 | 11.670 | 0.259 | na | na | | na | 22 | 68 |
| Adolescent birth rate | 5.1 | 5.4 | 70 | 19.747 | 0.281 | na | na | | na | 31 | 110 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.2707 | 0.0344 | 0.127 | 3.019 | 1.738 | 357 | 505 | 0.202 | 0.339 |
| Unmet need | 5.4 | 5.6 | 0.1907 | 0.0190 | 0.100 | 1.185 | 1.088 | 357 | 505 | 0.153 | 0.229 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.6663 | 0.0481 | 0.072 | 1.728 | 1.315 | 115 | 167 | 0.570 | 0.763 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.6320 | 0.0659 | 0.104 | 3.100 | 1.761 | 115 | 167 | 0.500 | 0.764 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.7481 | 0.0511 | 0.068 | 2.302 | 1.517 | 115 | 167 | 0.646 | 0.850 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.7346 | 0.0542 | 0.074 | 3.165 | 1.779 | 155 | 211 | 0.626 | 0.843 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2896 | 0.0359 | 0.124 | 1.315 | 1.147 | 155 | 211 | 0.218 | 0.361 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.7995 | 0.0765 | 0.096 | 1.314 | 1.147 | 28 | 37 | 0.646 | 0.952 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.8096 | 0.0487 | 0.060 | 2.203 | 1.484 | 93 | 144 | 0.712 | 0.907 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.3368 | 0.0605 | 0.180 | 2.345 | 1.531 | 93 | 144 | 0.216 | 0.458 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.7940 | 0.0983 | 0.124 | 1.948 | 1.396 | 23 | 34 | 0.598 | 0.991 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.2230 | 0.0242 | 0.108 | 1.720 | 1.312 | 351 | 512 | 0.175 | 0.271 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0707 | 0.0130 | 0.183 | 1.307 | 1.143 | 351 | 512 | 0.045 | 0.097 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.1272 | 0.0214 | 0.169 | 2.151 | 1.466 | 358 | 520 | 0.084 | 0.170 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.6060 | 0.0923 | 0.152 | 1.320 | 1.149 | 26 | 38 | 0.421 | 0.791 |

na: not applicable

Table SE.28: Sampling errors: Lagos

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.9358 | 0.0153 | 0.016 | 6.557 | 2.561 | 7576 | 1681 | 0.905 | 0.966 |
| Use of improved sanitation | 4.3 | 7.9 | 0.4403 | 0.0304 | 0.069 | 6.302 | 2.510 | 7576 | 1681 | 0.379 | 0.501 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.9568 | 0.0081 | 0.008 | 1.406 | 1.186 | 1053 | 894 | 0.941 | 0.973 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 45 | 7.305 | 0.162 | na | na | | na | 30 | 60 |
| Under five mortality rate | 1.5 | 4.1 | 50 | 7.563 | 0.150 | na | na | | na | 35 | 65 |
| Adolescent birth rate | 5.1 | 5.4 | 21 | 8.810 | 0.413 | na | na | | na | 4 | 39 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.2264 | 0.0215 | 0.095 | 2.488 | 1.577 | 1097 | 945 | 0.183 | 0.269 |
| Unmet need | 5.4 | 5.6 | 0.2959 | 0.0174 | 0.059 | 1.379 | 1.174 | 1097 | 945 | 0.261 | 0.331 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.9419 | 0.0136 | 0.014 | 1.229 | 1.108 | 429 | 364 | 0.915 | 0.969 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.8693 | 0.0177 | 0.020 | 0.998 | 0.999 | 429 | 364 | 0.834 | 0.905 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.9224 | 0.0143 | 0.016 | 1.037 | 1.018 | 429 | 364 | 0.894 | 0.951 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9314 | 0.0155 | 0.017 | 1.548 | 1.244 | 488 | 415 | 0.901 | 0.962 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.5524 | 0.0328 | 0.059 | 1.804 | 1.343 | 488 | 415 | 0.487 | 0.618 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.6486 | 0.0510 | 0.079 | 1.162 | 1.078 | 132 | 103 | 0.547 | 0.751 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9826 | 0.0072 | 0.007 | 0.629 | 0.793 | 226 | 209 | 0.968 | 0.997 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.4034 | 0.0496 | 0.123 | 2.130 | 1.459 | 226 | 209 | 0.304 | 0.503 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.7446 | 0.0715 | 0.096 | 1.963 | 1.401 | 73 | 74 | 0.602 | 0.888 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1446 | 0.0185 | 0.128 | 2.522 | 1.588 | 1039 | 914 | 0.108 | 0.182 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0322 | 0.0067 | 0.209 | 1.325 | 1.151 | 1039 | 914 | 0.019 | 0.046 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.2431 | 0.0211 | 0.087 | 2.224 | 1.491 | 1041 | 917 | 0.201 | 0.285 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.6697 | 0.0781 | 0.117 | 2.619 | 1.618 | 105 | 96 | 0.514 | 0.826 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.29: Sampling errors: Nasarawa

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.5482 | 0.0542 | 0.099 | 10.386 | 3.223 | 3792 | 878 | 0.440 | 0.656 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2704 | 0.0375 | 0.139 | 6.251 | 2.500 | 3792 | 878 | 0.195 | 0.345 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.7086 | 0.0300 | 0.042 | 4.399 | 2.097 | 735 | 1013 | 0.649 | 0.769 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 81 | 11.465 | 0.141 | na | na | | na | 58 | 104 |
| Under five mortality rate | 1.5 | 4.1 | 121 | 13.172 | 0.109 | na | na | | na | 94 | 147 |
| Adolescent birth rate | 5.1 | 5.4 | 101 | 16.430 | 0.162 | na | na | | na | 68 | 134 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.1704 | 0.0192 | 0.113 | 1.979 | 1.407 | 530 | 762 | 0.132 | 0.209 |
| Unmet need | 5.4 | 5.6 | 0.2448 | 0.0181 | 0.074 | 1.344 | 1.159 | 530 | 762 | 0.209 | 0.281 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.5018 | 0.0456 | 0.091 | 2.872 | 1.695 | 244 | 347 | 0.411 | 0.593 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.4843 | 0.0416 | 0.086 | 2.398 | 1.549 | 244 | 347 | 0.401 | 0.568 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.6788 | 0.0464 | 0.068 | 3.419 | 1.849 | 244 | 347 | 0.586 | 0.772 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.5602 | 0.0466 | 0.083 | 3.712 | 1.927 | 283 | 422 | 0.467 | 0.653 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2312 | 0.0279 | 0.121 | 1.845 | 1.358 | 283 | 422 | 0.175 | 0.287 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.3868 | 0.0815 | 0.211 | 1.482 | 1.218 | 35 | 54 | 0.224 | 0.550 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.7811 | 0.0471 | 0.060 | 2.480 | 1.575 | 139 | 192 | 0.687 | 0.875 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2064 | 0.0420 | 0.203 | 2.056 | 1.434 | 139 | 192 | 0.122 | 0.290 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.4191 | 0.1065 | 0.254 | 1.817 | 1.348 | 33 | 40 | 0.206 | 0.632 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.2066 | 0.0214 | 0.103 | 2.462 | 1.569 | 592 | 886 | 0.164 | 0.249 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0557 | 0.0082 | 0.147 | 1.128 | 1.062 | 592 | 886 | 0.039 | 0.072 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.5334 | 0.0358 | 0.067 | 4.660 | 2.159 | 605 | 905 | 0.462 | 0.605 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3954 | 0.0476 | 0.120 | 1.447 | 1.203 | 104 | 154 | 0.300 | 0.490 |

na: not applicable

Table SE.30: Sampling errors: Niger

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.5292 | 0.0629 | 0.119 | 14.262 | 3.777 | 7954 | 898 | 0.403 | 0.655 |
| Use of improved sanitation | 4.3 | 7.9 | 0.3306 | 0.0390 | 0.118 | 6.158 | 2.481 | 7954 | 898 | 0.253 | 0.409 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.5200 | 0.0492 | 0.095 | 11.459 | 3.385 | 1646 | 1181 | 0.422 | 0.619 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 100 | 12.406 | 0.124 | na | na | | na | 75 | 125 |
| Under five mortality rate | 1.5 | 4.1 | 149 | 17.737 | 0.119 | na | na | | na | 113 | 184 |
| Adolescent birth rate | 5.1 | 5.4 | 138 | 25.840 | 0.187 | na | na | | na | 86 | 190 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.1123 | 0.0166 | 0.148 | 2.535 | 1.592 | 1227 | 920 | 0.000 | 1.000 |
| Unmet need | 5.4 | 5.6 | 0.2948 | 0.0152 | 0.051 | 1.017 | 1.009 | 1227 | 920 | 0.264 | 0.325 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.3262 | 0.0457 | 0.140 | 3.869 | 1.967 | 527 | 409 | 0.235 | 0.417 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.3352 | 0.0498 | 0.149 | 4.539 | 2.130 | 527 | 409 | 0.236 | 0.435 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.4790 | 0.0571 | 0.119 | 5.325 | 2.308 | 527 | 409 | 0.365 | 0.593 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.3762 | 0.0648 | 0.172 | 7.146 | 2.673 | 534 | 400 | 0.247 | 0.506 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.1978 | 0.0361 | 0.182 | 3.270 | 1.808 | 534 | 400 | 0.126 | 0.270 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5138 | 0.1152 | 0.224 | 1.488 | 1.220 | 34 | 29 | 0.283 | 0.744 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.5892 | 0.0737 | 0.125 | 4.396 | 2.097 | 239 | 197 | 0.442 | 0.737 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.0872 | 0.0218 | 0.250 | 1.170 | 1.081 | 239 | 197 | 0.044 | 0.131 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.6345 | 0.1096 | 0.173 | 0.984 | 0.992 | 26 | 20 | 0.415 | 0.854 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.2426 | 0.0186 | 0.077 | 1.884 | 1.373 | 1246 | 1003 | 0.205 | 0.280 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0691 | 0.0102 | 0.148 | 1.623 | 1.274 | 1246 | 1003 | 0.049 | 0.090 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.3732 | 0.0365 | 0.098 | 5.738 | 2.395 | 1254 | 1008 | 0.300 | 0.446 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3551 | 0.0462 | 0.130 | 2.526 | 1.589 | 326 | 272 | 0.263 | 0.447 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.31: Sampling errors: Ogun

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.8859 | 0.0402 | 0.045 | 12.811 | 3.579 | 2317 | 802 | 0.805 | 0.966 |
| Use of improved sanitation | 4.3 | 7.9 | 0.3150 | 0.0423 | 0.134 | 6.645 | 2.578 | 2317 | 802 | 0.230 | 0.400 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.8778 | 0.0188 | 0.021 | 1.518 | 1.232 | 360 | 461 | 0.840 | 0.915 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 49 | 12.644 | 0.261 | na | na | | na | 23 | 74 |
| Under five mortality rate | 1.5 | 4.1 | 66 | 14.487 | 0.218 | na | na | | na | 38 | 95 |
| Adolescent birth rate | 5.1 | 5.4 | 50 | 15.124 | 0.304 | na | na | | na | 20 | 80 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.2133 | 0.0249 | 0.117 | 1.522 | 1.234 | 327 | 413 | 0.164 | 0.263 |
| Unmet need | 5.4 | 5.6 | 0.3318 | 0.0228 | 0.069 | 0.968 | 0.984 | 327 | 413 | 0.286 | 0.377 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.8639 | 0.0293 | 0.034 | 1.226 | 1.107 | 132 | 169 | 0.805 | 0.923 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.8301 | 0.0312 | 0.038 | 1.159 | 1.077 | 132 | 169 | 0.768 | 0.892 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.8531 | 0.0269 | 0.032 | 0.969 | 0.984 | 132 | 169 | 0.799 | 0.907 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9068 | 0.0324 | 0.036 | 2.487 | 1.577 | 155 | 201 | 0.842 | 0.972 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.3313 | 0.0372 | 0.112 | 1.250 | 1.118 | 155 | 201 | 0.257 | 0.406 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5405 | 0.0847 | 0.157 | 1.011 | 1.006 | 24 | 36 | 0.371 | 0.710 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.8902 | 0.0422 | 0.047 | 1.862 | 1.365 | 0 | 103 | 0.806 | 0.975 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.3815 | 0.0676 | 0.177 | 1.978 | 1.406 | 0 | 103 | 0.246 | 0.517 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.6514 | 0.0993 | 0.152 | 2.129 | 1.459 | 40 | 50 | 0.453 | 0.850 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.2240 | 0.0268 | 0.120 | 1.677 | 1.295 | 290 | 406 | 0.170 | 0.278 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0547 | 0.0124 | 0.227 | 1.208 | 1.099 | 290 | 406 | 0.030 | 0.080 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.2742 | 0.0321 | 0.117 | 2.120 | 1.456 | 294 | 411 | 0.210 | 0.338 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.4392 | 0.0547 | 0.125 | 0.765 | 0.875 | 46 | 64 | 0.330 | 0.549 |

na: not applicable

Table SE.32: Sampling errors: Ondo

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.7957 | 0.0439 | 0.055 | 11.105 | 3.332 | 3471 | 937 | 0.708 | 0.884 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2188 | 0.0314 | 0.144 | 5.404 | 2.325 | 3471 | 937 | 0.156 | 0.282 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.9183 | 0.0247 | 0.027 | 4.329 | 2.081 | 556 | 533 | 0.869 | 0.968 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 37 | 11.093 | 0.303 | na | na | | na | 14 | 59 |
| Under five mortality rate | 1.5 | 4.1 | 67 | 13.417 | 0.200 | na | na | | na | 40 | 94 |
| Adolescent birth rate | 5.1 | 5.4 | 47 | 13.332 | 0.283 | na | na | | na | 20 | 74 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.2184 | 0.0263 | 0.120 | 1.693 | 1.301 | 404 | 419 | 0.166 | 0.271 |
| Unmet need | 5.4 | 5.6 | 0.2756 | 0.0253 | 0.092 | 1.336 | 1.156 | 404 | 419 | 0.225 | 0.326 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.7606 | 0.0448 | 0.059 | 1.977 | 1.406 | 163 | 180 | 0.671 | 0.850 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.7637 | 0.0426 | 0.056 | 1.804 | 1.343 | 163 | 180 | 0.678 | 0.849 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.8504 | 0.0344 | 0.040 | 1.662 | 1.289 | 163 | 180 | 0.782 | 0.919 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9136 | 0.0274 | 0.030 | 1.937 | 1.392 | 206 | 204 | 0.859 | 0.968 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2983 | 0.0397 | 0.133 | 1.528 | 1.236 | 206 | 204 | 0.219 | 0.378 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.4200 | 0.0754 | 0.180 | 1.332 | 1.154 | 61 | 58 | 0.269 | 0.571 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9339 | 0.0293 | 0.031 | 1.303 | 1.142 | 92 | 95 | 0.875 | 0.992 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.3410 | 0.0600 | 0.176 | 1.505 | 1.227 | 92 | 95 | 0.221 | 0.461 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.7234 | 0.0604 | 0.083 | 0.765 | 0.875 | 38 | 43 | 0.603 | 0.844 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1598 | 0.0203 | 0.127 | 1.325 | 1.151 | 403 | 432 | 0.119 | 0.200 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0284 | 0.0085 | 0.299 | 1.123 | 1.060 | 403 | 432 | 0.011 | 0.045 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.3188 | 0.0366 | 0.115 | 2.700 | 1.643 | 407 | 438 | 0.246 | 0.392 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.4015 | 0.0677 | 0.169 | 1.411 | 1.188 | 67 | 75 | 0.266 | 0.537 |
| na: not applicable | | | | | | | | | | | |

Table SE.33: Sampling errors: Osun

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.8848 | 0.0257 | 0.029 | 5.442 | 2.333 | 3257 | 839 | 0.833 | 0.936 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2473 | 0.0318 | 0.128 | 4.539 | 2.131 | 3257 | 839 | 0.184 | 0.311 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.7313 | 0.0229 | 0.031 | 1.179 | 1.086 | 492 | 443 | 0.686 | 0.777 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 78 | 14.703 | 0.189 | na | na | | na | 48 | 107 |
| Under five mortality rate | 1.5 | 4.1 | 101 | 15.941 | 0.158 | na | na | | na | 69 | 133 |
| Adolescent birth rate | 5.1 | 5.4 | 57 | 13.030 | 0.230 | na | na | | na | 31 | 83 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.2462 | 0.0327 | 0.133 | 1.871 | 1.368 | 382 | 326 | 0.181 | 0.312 |
| Unmet need | 5.4 | 5.6 | 0.2564 | 0.0286 | 0.111 | 1.393 | 1.180 | 382 | 326 | 0.199 | 0.314 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.9220 | 0.0225 | 0.024 | 0.966 | 0.983 | 161 | 138 | 0.877 | 0.967 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.8467 | 0.0405 | 0.048 | 1.730 | 1.315 | 161 | 138 | 0.766 | 0.928 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.9564 | 0.0216 | 0.023 | 1.530 | 1.237 | 161 | 138 | 0.913 | 1.000 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9469 | 0.0187 | 0.020 | 1.489 | 1.220 | 250 | 215 | 0.909 | 0.984 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2076 | 0.0348 | 0.168 | 1.579 | 1.257 | 250 | 215 | 0.138 | 0.277 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.3130 | 0.0665 | 0.213 | 0.864 | 0.930 | 50 | 43 | 0.180 | 0.446 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9481 | 0.0211 | 0.022 | 0.869 | 0.932 | 135 | 97 | 0.906 | 0.990 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.1705 | 0.0442 | 0.259 | 1.324 | 1.151 | 135 | 97 | 0.082 | 0.259 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5526 | 0.1347 | 0.244 | 2.055 | 1.434 | 41 | 29 | 0.283 | 0.822 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1872 | 0.0253 | 0.135 | 1.350 | 1.162 | 335 | 322 | 0.137 | 0.238 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0660 | 0.0132 | 0.200 | 0.906 | 0.952 | 335 | 322 | 0.040 | 0.092 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.2255 | 0.0216 | 0.096 | 0.846 | 0.920 | 331 | 318 | 0.182 | 0.269 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3652 | 0.0559 | 0.153 | 0.957 | 0.979 | 76 | 72 | 0.253 | 0.477 |
| na: not applicable | | | | | | | | | | | |

Table SE.34: Sampling errors: Oyo

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.8280 | 0.0392 | 0.047 | 9.537 | 3.088 | 5508 | 887 | 0.750 | 0.906 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2159 | 0.0428 | 0.198 | 9.568 | 3.093 | 5508 | 887 | 0.130 | 0.301 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.7435 | 0.0361 | 0.049 | 3.689 | 1.921 | 895 | 541 | 0.671 | 0.816 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 59 | 10.314 | 0.175 | na | na | | na | 38 | 80 |
| Under five mortality rate | 1.5 | 4.1 | 73 | 13.105 | 0.180 | na | na | | na | 47 | 99 |
| Adolescent birth rate | 5.1 | 5.4 | 54 | 15.424 | 0.285 | na | na | | na | 23 | 85 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.3417 | 0.0338 | 0.099 | 2.253 | 1.501 | 751 | 444 | 0.274 | 0.409 |
| Unmet need | 5.4 | 5.6 | 0.2669 | 0.0224 | 0.084 | 1.132 | 1.064 | 751 | 444 | 0.222 | 0.312 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.6827 | 0.0362 | 0.053 | 1.166 | 1.080 | 322 | 194 | 0.610 | 0.755 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.7981 | 0.0370 | 0.046 | 1.636 | 1.279 | 322 | 194 | 0.724 | 0.872 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.8688 | 0.0289 | 0.033 | 1.410 | 1.188 | 322 | 194 | 0.811 | 0.927 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9075 | 0.0266 | 0.029 | 1.554 | 1.247 | 308 | 186 | 0.854 | 0.961 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2112 | 0.0341 | 0.161 | 1.291 | 1.136 | 308 | 186 | 0.143 | 0.279 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.4322 | 0.0697 | 0.161 | 0.712 | 0.844 | 65 | 37 | 0.293 | 0.572 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.8832 | 0.0418 | 0.047 | 1.577 | 1.256 | 168 | 94 | 0.800 | 0.967 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2671 | 0.0633 | 0.237 | 1.904 | 1.380 | 168 | 94 | 0.140 | 0.394 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.4150 | 0.0831 | 0.200 | 0.824 | 0.908 | 53 | 30 | 0.249 | 0.581 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1743 | 0.0178 | 0.102 | 1.076 | 1.037 | 724 | 489 | 0.139 | 0.210 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0339 | 0.0089 | 0.261 | 1.167 | 1.080 | 724 | 489 | 0.016 | 0.052 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.3336 | 0.0351 | 0.105 | 2.772 | 1.665 | 738 | 501 | 0.263 | 0.404 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.4644 | 0.0649 | 0.140 | 1.607 | 1.268 | 132 | 96 | 0.335 | 0.594 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.35: Sampling errors: Plateau

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.4291 | 0.0673 | 0.157 | 16.287 | 4.036 | 6581 | 883 | 0.295 | 0.564 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2682 | 0.0519 | 0.194 | 12.120 | 3.481 | 6581 | 883 | 0.164 | 0.372 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.7583 | 0.0434 | 0.057 | 9.152 | 3.025 | 1106 | 891 | 0.672 | 0.845 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 55 | 9.986 | 0.183 | na | na | | na | 35 | 75 |
| Under five mortality rate | 1.5 | 4.1 | 80 | 12.661 | 0.158 | na | na | | na | 55 | 106 |
| Adolescent birth rate | 5.1 | 5.4 | 94 | 19.377 | 0.206 | na | na | | na | 55 | 133 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.2011 | 0.0249 | 0.124 | 2.902 | 1.704 | 894 | 756 | 0.151 | 0.251 |
| Unmet need | 5.4 | 5.6 | 0.2553 | 0.0148 | 0.058 | 0.866 | 0.930 | 894 | 756 | 0.226 | 0.285 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.4645 | 0.0433 | 0.093 | 2.442 | 1.563 | 392 | 325 | 0.378 | 0.551 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.4729 | 0.0569 | 0.120 | 4.201 | 2.050 | 392 | 325 | 0.359 | 0.587 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.6127 | 0.0546 | 0.089 | 4.077 | 2.019 | 392 | 325 | 0.503 | 0.722 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.6505 | 0.0534 | 0.082 | 5.071 | 2.252 | 497 | 406 | 0.544 | 0.757 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2831 | 0.0330 | 0.116 | 2.171 | 1.473 | 497 | 406 | 0.217 | 0.349 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5357 | 0.0784 | 0.146 | 1.137 | 1.066 | 53 | 47 | 0.379 | 0.693 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.6959 | 0.0665 | 0.095 | 4.863 | 2.205 | 272 | 234 | 0.563 | 0.829 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2482 | 0.0429 | 0.173 | 2.300 | 1.516 | 272 | 234 | 0.162 | 0.334 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.7790 | 0.1057 | 0.136 | 1.881 | 1.372 | 37 | 30 | 0.568 | 0.990 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1850 | 0.0193 | 0.104 | 2.296 | 1.515 | 1100 | 928 | 0.146 | 0.224 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0451 | 0.0092 | 0.203 | 1.806 | 1.344 | 1100 | 928 | 0.027 | 0.063 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.5203 | 0.0417 | 0.080 | 6.446 | 2.539 | 1098 | 927 | 0.437 | 0.604 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.4936 | 0.0616 | 0.125 | 2.311 | 1.520 | 178 | 153 | 0.370 | 0.617 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.36: Sampling errors: Rivers

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.8346 | 0.0362 | 0.043 | 8.124 | 2.850 | 3729 | 858 | 0.762 | 0.907 |
| Use of improved sanitation | 4.3 | 7.9 | 0.3867 | 0.0438 | 0.113 | 6.925 | 2.632 | 3729 | 858 | 0.299 | 0.474 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.9058 | 0.0126 | 0.014 | 0.801 | 0.895 | 502 | 430 | 0.881 | 0.931 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 41 | 9.670 | 0.238 | na | na | | na | 21 | 60 |
| Under five mortality rate | 1.5 | 4.1 | 58 | 12.589 | 0.218 | na | na | | na | 33 | 83 |
| Adolescent birth rate | 5.1 | 5.4 | 18 | 7.411 | 0.416 | na | na | | na | 3 | 33 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.1800 | 0.0209 | 0.116 | 1.142 | 1.068 | 423 | 385 | 0.138 | 0.222 |
| Unmet need | 5.4 | 5.6 | 0.2769 | 0.0194 | 0.070 | 0.724 | 0.851 | 423 | 385 | 0.238 | 0.316 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.8579 | 0.0358 | 0.042 | 1.587 | 1.260 | 163 | 152 | 0.786 | 0.929 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.8372 | 0.0320 | 0.038 | 1.133 | 1.065 | 163 | 152 | 0.773 | 0.901 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.8761 | 0.0323 | 0.037 | 1.452 | 1.205 | 163 | 152 | 0.812 | 0.941 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.9811 | 0.0088 | 0.009 | 1.053 | 1.026 | 262 | 251 | 0.963 | 0.999 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.5015 | 0.0444 | 0.089 | 1.972 | 1.404 | 262 | 251 | 0.413 | 0.590 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.5229 | 0.0677 | 0.130 | 1.471 | 1.213 | 84 | 81 | 0.387 | 0.658 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9472 | 0.0342 | 0.036 | 3.460 | 1.860 | 152 | 149 | 0.879 | 0.000 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.6124 | 0.0411 | 0.067 | 1.055 | 1.027 | 152 | 149 | 0.530 | 0.000 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.8128 | 0.0471 | 0.058 | 1.124 | 1.060 | 79 | 78 | 0.719 | 0.907 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.0759 | 0.0157 | 0.207 | 1.383 | 1.176 | 411 | 394 | 0.044 | 0.107 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0129 | 0.0055 | 0.429 | 0.946 | 0.973 | 411 | 394 | 0.002 | 0.024 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.3064 | 0.0347 | 0.113 | 2.217 | 1.489 | 410 | 393 | 0.237 | 0.376 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.5732 | 0.0509 | 0.089 | 0.878 | 0.937 | 85 | 84 | 0.471 | 0.675 |
| <i>na: not applicable</i> | | | | | | | | | | | |

Table SE.37: Sampling errors:Sokoto

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.3259 | 0.0554 | 0.170 | 12.942 | 3.597 | 5164 | 928 | 0.215 | 0.437 |
| Use of improved sanitation | 4.3 | 7.9 | 0.4072 | 0.0361 | 0.089 | 5.011 | 2.238 | 5164 | 928 | 0.335 | 0.479 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.3197 | 0.0399 | 0.125 | 8.429 | 2.903 | 1019 | 1154 | 0.240 | 0.399 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 51 | 8.719 | 0.171 | na | na | | na | 33 | 68 |
| Under five mortality rate | 1.5 | 4.1 | 119 | 14.165 | 0.119 | na | na | | na | 91 | 148 |
| Adolescent birth rate | 5.1 | 5.4 | 174 | 17.791 | 0.102 | na | na | | na | 138 | 209 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0466 | 0.0101 | 0.216 | 2.130 | 1.459 | 784 | 933 | 0.026 | 0.067 |
| Unmet need | 5.4 | 5.6 | 0.3061 | 0.0162 | 0.053 | 1.147 | 1.071 | 784 | 933 | 0.274 | 0.338 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.2489 | 0.0373 | 0.150 | 3.716 | 1.928 | 409 | 500 | 0.174 | 0.324 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.2060 | 0.0282 | 0.137 | 2.432 | 1.560 | 409 | 500 | 0.149 | 0.262 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.3515 | 0.0426 | 0.121 | 3.975 | 1.994 | 409 | 500 | 0.266 | 0.437 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.2010 | 0.0599 | 0.298 | 8.633 | 2.938 | 320 | 387 | 0.081 | 0.321 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.1003 | 0.0203 | 0.202 | 1.757 | 1.326 | 320 | 387 | 0.060 | 0.141 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.0000 | 0.0000 | | | | 3 | 4 | 0.000 | 0.000 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.4736 | 0.0719 | 0.152 | 3.094 | 1.759 | 152 | 150 | 0.330 | 0.000 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.0715 | 0.0253 | 0.353 | 1.431 | 1.196 | 152 | 150 | 0.021 | 0.000 |
| Condom use with non-regular partners | 9.15 | 6.2 | | | | | | 0 | 0 | 0.000 | 0.000 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.4863 | 0.0187 | 0.038 | 1.673 | 1.294 | 958 | 1199 | 0.449 | 0.524 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.2295 | 0.0156 | 0.068 | 1.648 | 1.284 | 958 | 1199 | 0.198 | 0.261 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.4026 | 0.0314 | 0.078 | 4.953 | 2.225 | 972 | 1208 | 0.340 | 0.465 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.3166 | 0.0345 | 0.109 | 1.560 | 1.249 | 248 | 284 | 0.247 | 0.386 |

na: not applicable

Table SE.38: Sampling errors:Taraba

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.3819 | 0.0548 | 0.144 | 9.472 | 3.078 | 2974 | 745 | 0.272 | 0.492 |
| Use of improved sanitation | 4.3 | 7.9 | 0.3104 | 0.0516 | 0.166 | 9.264 | 3.044 | 2974 | 745 | 0.207 | 0.414 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.5821 | 0.0519 | 0.089 | 8.523 | 2.919 | 548 | 770 | 0.478 | 0.686 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 63.625 | 14.7577621 | 0.23194987 | na | na | na | na | 34.109 | 93.140 |
| Under five mortality rate | 1.5 | 4.1 | 105.46 | 18.9655964 | 0.17983273 | na | na | na | na | 67.531 | 143.394 |
| Adolescent birth rate | 5.1 | 5.4 | 81.4405 | 14.6254 | 0.180 | na | na | na | na | 52.190 | 110.691 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0671 | 0.0125 | 0.186 | 1.274 | 1.129 | 364 | 511 | 0.042 | 0.092 |
| Unmet need | 5.4 | 5.6 | 0.2634 | 0.0214 | 0.081 | 1.205 | 1.098 | 364 | 511 | 0.221 | 0.306 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.3155 | 0.0515 | 0.163 | 2.811 | 1.677 | 173 | 230 | 0.213 | 0.419 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.2960 | 0.0472 | 0.159 | 2.449 | 1.565 | 173 | 230 | 0.202 | 0.390 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.4520 | 0.0524 | 0.116 | 2.541 | 1.594 | 173 | 230 | 0.347 | 0.557 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.5305 | 0.0712 | 0.134 | 5.599 | 2.366 | 207 | 276 | 0.388 | 0.673 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.1386 | 0.0236 | 0.171 | 1.288 | 1.135 | 207 | 276 | 0.091 | 0.186 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.2539 | 0.0698 | 0.275 | 1.440 | 1.200 | 39 | 57 | 0.114 | 0.393 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.7060 | 0.0682 | 0.097 | 2.959 | 1.720 | 91 | 133 | 0.570 | 0.842 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.1291 | 0.0302 | 0.233 | 1.067 | 1.033 | 91 | 133 | 0.069 | 0.189 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.3380 | 0.1002 | 0.296 | 1.390 | 1.179 | 20 | 32 | 0.138 | 0.538 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.2424 | 0.0225 | 0.093 | 1.567 | 1.252 | 403 | 571 | 0.197 | 0.287 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0928 | 0.0114 | 0.123 | 0.881 | 0.939 | 403 | 571 | 0.070 | 0.116 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.2970 | 0.0256 | 0.086 | 1.850 | 1.360 | 418 | 589 | 0.246 | 0.348 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.1069 | 0.0362 | 0.339 | 1.140 | 1.068 | 59 | 84 | 0.035 | 0.179 |

na: not applicable

Table SE.39: Sampling errors:Yobe

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.6320 | 0.0558 | 0.088 | 9.322 | 3.053 | 6511 | 697 | 0.520 | 0.744 |
| Use of improved sanitation | 4.3 | 7.9 | 0.2071 | 0.0456 | 0.220 | 8.831 | 2.972 | 6511 | 697 | 0.116 | 0.298 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.3783 | 0.0557 | 0.147 | 13.712 | 3.703 | 1363 | 1039 | 0.267 | 0.490 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 64 | 7.828 | 0.122 | na | na | | na | 48 | 80 |
| Under five mortality rate | 1.5 | 4.1 | 102 | 11.621 | 0.114 | na | na | | na | 79 | 125 |
| Adolescent birth rate | 5.1 | 5.4 | 159 | 23.142 | 0.146 | na | na | | na | 113 | 205 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0350 | 0.0095 | 0.272 | 1.923 | 1.387 | 866 | 720 | 0.016 | 0.054 |
| Unmet need | 5.4 | 5.6 | 0.2190 | 0.0175 | 0.080 | 1.290 | 1.136 | 866 | 720 | 0.184 | 0.254 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.2662 | 0.0452 | 0.170 | 3.472 | 1.863 | 410 | 333 | 0.176 | 0.357 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.1388 | 0.0276 | 0.199 | 2.109 | 1.452 | 410 | 333 | 0.084 | 0.194 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.4122 | 0.0655 | 0.159 | 5.870 | 2.423 | 410 | 333 | 0.281 | 0.543 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.2831 | 0.0661 | 0.233 | 6.753 | 2.599 | 393 | 315 | 0.151 | 0.415 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.1730 | 0.0284 | 0.164 | 1.772 | 1.331 | 393 | 315 | 0.116 | 0.230 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.0000 | 0.0000 | | | | 1 | 1 | 0.000 | 0.000 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.4274 | 0.0799 | 0.187 | 4.934 | 2.221 | 0 | 190 | 0.268 | 0.587 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2536 | 0.0518 | 0.204 | 2.679 | 1.637 | 0 | 190 | 0.150 | 0.357 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.0000 | 0.0000 | | | | 4 | 4 | 0.000 | 0.000 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.5096 | 0.0221 | 0.043 | 1.416 | 1.190 | 866 | 726 | 0.465 | 0.554 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.2410 | 0.0226 | 0.094 | 2.033 | 1.426 | 866 | 726 | 0.196 | 0.286 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.6406 | 0.0268 | 0.042 | 2.748 | 1.658 | 1069 | 882 | 0.587 | 0.694 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.2064 | 0.0234 | 0.113 | 1.150 | 1.073 | 438 | 346 | 0.160 | 0.253 |

na: not applicable

Table SE.40: Sampling errors: Zamfara

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.5154 | 0.0504 | 0.098 | 9.169 | 3.028 | 7663 | 903 | 0.415 | 0.616 |
| Use of improved sanitation | 4.3 | 7.9 | 0.4124 | 0.0350 | 0.085 | 4.557 | 2.135 | 7663 | 903 | 0.342 | 0.482 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.4009 | 0.0443 | 0.111 | 11.004 | 3.317 | 1615 | 1346 | 0.312 | 0.490 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 104 | 9.522 | 0.091 | na | na | | na | 85 | 123 |
| Under five mortality rate | 1.5 | 4.1 | 210 | 12.530 | 0.060 | na | na | | na | 185 | 235 |
| Adolescent birth rate | 5.1 | 5.4 | 208 | 23.930 | 0.115 | na | na | | na | 160 | 256 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.0560 | 0.0148 | 0.264 | 4.254 | 2.062 | 1149 | 1028 | 0.026 | 0.086 |
| Unmet need | 5.4 | 5.6 | 0.1930 | 0.0142 | 0.074 | 1.329 | 1.153 | 1149 | 1028 | 0.165 | 0.221 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.2896 | 0.0360 | 0.124 | 3.202 | 1.789 | 583 | 510 | 0.218 | 0.362 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.1641 | 0.0228 | 0.139 | 1.935 | 1.391 | 583 | 510 | 0.118 | 0.210 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.4218 | 0.0447 | 0.106 | 4.169 | 2.042 | 583 | 510 | 0.332 | 0.511 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.3099 | 0.0583 | 0.188 | 7.226 | 2.688 | 486 | 455 | 0.193 | 0.427 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.2354 | 0.0279 | 0.118 | 1.959 | 1.400 | 486 | 455 | 0.180 | 0.291 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.0000 | 0.0000 | | | | 1 | 1 | 0.000 | 0.000 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.5300 | 0.0579 | 0.109 | 2.503 | 1.582 | 248 | 187 | 0.414 | 0.646 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.1704 | 0.0456 | 0.267 | 2.731 | 1.653 | 248 | 187 | 0.079 | 0.262 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.0000 | 0.0000 | | | | 7 | 7 | 0.000 | 0.000 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.3657 | 0.0189 | 0.052 | 1.813 | 1.346 | 1290 | 1176 | 0.328 | 0.404 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.1529 | 0.0129 | 0.084 | 1.500 | 1.225 | 1290 | 1176 | 0.127 | 0.179 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.6928 | 0.0218 | 0.032 | 2.654 | 1.629 | 1303 | 1184 | 0.649 | 0.736 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.2313 | 0.0236 | 0.102 | 1.364 | 1.168 | 478 | 436 | 0.184 | 0.279 |

na: not applicable

Table SE.41: Sampling errors:FCT-Abuja

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft), and confidence intervals for selected indicators, Nigeria, 2016-17

| | MICS Indicator | MDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits | |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|---------------------|---------------------|
| | | | | | | | | | | Lower bound r - 2se | Upper bound r + 2se |
| Household members | | | | | | | | | | | |
| Use of improved drinking water sources | 4.1 | 7.8 | 0.7560 | 0.0440 | 0.058 | 9.597 | 3.098 | 1489 | 914 | 0.668 | 0.844 |
| Use of improved sanitation | 4.3 | 7.9 | 0.4086 | 0.0467 | 0.114 | 8.241 | 2.871 | 1489 | 914 | 0.315 | 0.502 |
| Primary school net attendance ratio (adjusted) | 7.4 | 2.1 | 0.8624 | 0.0194 | 0.023 | 2.750 | 1.658 | 249 | 864 | 0.824 | 0.901 |
| Women | | | | | | | | | | | |
| Infant mortality rate | 1.2 | 4.2 | 42 | 7.844 | 0.189 | na | na | | na | 26 | 57 |
| Under five mortality rate | 1.5 | 4.1 | 70 | 10.204 | 0.146 | na | na | | na | 49 | 90 |
| Adolescent birth rate | 5.1 | 5.4 | 39 | 9.820 | 0.249 | na | na | | na | 20 | 59 |
| Contraceptive prevalence rate | 5.3 | 5.3 | 0.2625 | 0.0253 | 0.096 | 2.483 | 1.576 | 213 | 753 | 0.212 | 0.313 |
| Unmet need | 5.4 | 5.6 | 0.2408 | 0.0222 | 0.092 | 2.026 | 1.423 | 213 | 753 | 0.196 | 0.285 |
| Antenatal care coverage (1+ times, skilled provider) | 5.5a | 5.5 | 0.7520 | 0.0417 | 0.055 | 2.769 | 1.664 | 89 | 298 | 0.669 | 0.835 |
| Antenatal care coverage (4+ times, any provider) | 5.5b | 5.5 | 0.7062 | 0.0411 | 0.058 | 2.421 | 1.556 | 89 | 298 | 0.624 | 0.788 |
| Skilled attendant at delivery | 5.7 | 5.2 | 0.8284 | 0.0380 | 0.046 | 3.015 | 1.736 | 89 | 298 | 0.752 | 0.904 |
| Literacy rate (young women) | 7.1 | 2.3 | 0.8129 | 0.0293 | 0.036 | 2.431 | 1.559 | 126 | 433 | 0.754 | 0.871 |
| Knowledge about HIV prevention (young women) | 9.1 | 6.3 | 0.3329 | 0.0378 | 0.114 | 2.780 | 1.667 | 126 | 433 | 0.257 | 0.409 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.4958 | 0.0560 | 0.113 | 1.192 | 1.092 | 27 | 96 | 0.384 | 0.608 |
| Men | | | | | | | | | | | |
| Literacy rate (young men) | 7.1 | 2.3 | 0.9005 | 0.0291 | 0.032 | 1.777 | 1.333 | 52 | 189 | 0.842 | 0.959 |
| Knowledge about HIV prevention (young men) | 9.1 | 6.3 | 0.2702 | 0.0376 | 0.139 | 1.345 | 1.160 | 52 | 189 | 0.195 | 0.345 |
| Condom use with non-regular partners | 9.15 | 6.2 | 0.7038 | 0.1110 | 0.158 | 1.596 | 1.263 | 8 | 28 | 0.482 | 0.926 |
| Under-5s | | | | | | | | | | | |
| Underweight prevalence (moderate and severe) | 2.1a | 1.8 | 0.1258 | 0.0148 | 0.117 | 1.441 | 1.200 | 205 | 729 | 0.096 | 0.155 |
| Underweight prevalence (severe) | 2.1b | 1.8 | 0.0260 | 0.0072 | 0.277 | 1.487 | 1.219 | 205 | 729 | 0.012 | 0.040 |
| Children under age 5 who slept under an ITN | 3.18 | 6.7 | 0.2800 | 0.0252 | 0.090 | 2.342 | 1.530 | 209 | 743 | 0.230 | 0.330 |
| Anti-malarial treatment of children under age 5 | 3.22 | 6.8 | 0.4708 | 0.0494 | 0.105 | 1.745 | 1.321 | 49 | 179 | 0.372 | 0.570 |

na: not applicable

Appendix D. Data Quality Tables

| Table DQ.1: Age distribution of household population | | | | | | | | | |
|---|--------|---------|---------|---------|------------|--------|---------|---------|---------|
| Single-year age distribution of household population by sex, Nigeria, 2016-17 | | | | | | | | | |
| | Males | | Females | | Age | Males | | Females | |
| | Number | Percent | Number | Percent | | Number | Percent | Number | Percent |
| Age | | | | | Age | | | | |
| 0 | 3036 | 3.4 | 3065 | 3.3 | 45 | 1246 | 1.4 | 1038 | 1.1 |
| 1 | 3076 | 3.4 | 3064 | 3.3 | 46 | 526 | 0.6 | 511 | 0.6 |
| 2 | 3206 | 3.6 | 2939 | 3.2 | 47 | 456 | 0.5 | 430 | 0.5 |
| 3 | 3244 | 3.6 | 3251 | 3.5 | 48 | 597 | 0.7 | 512 | 0.6 |
| 4 | 3260 | 3.6 | 3158 | 3.4 | 49 | 349 | 0.4 | 304 | 0.3 |
| 5 | 3098 | 3.4 | 2959 | 3.2 | 50 | 1242 | 1.4 | 1852 | 2.0 |
| 6 | 3257 | 3.6 | 3210 | 3.5 | 51 | 457 | 0.5 | 641 | 0.7 |
| 7 | 3233 | 3.6 | 2929 | 3.2 | 52 | 551 | 0.6 | 820 | 0.9 |
| 8 | 3085 | 3.4 | 3109 | 3.4 | 53 | 408 | 0.5 | 464 | 0.5 |
| 9 | 2378 | 2.6 | 2368 | 2.6 | 54 | 358 | 0.4 | 429 | 0.5 |
| 10 | 3214 | 3.6 | 3143 | 3.4 | 55 | 781 | 0.9 | 842 | 0.9 |
| 11 | 1858 | 2.1 | 1952 | 2.1 | 56 | 532 | 0.6 | 505 | 0.5 |
| 12 | 2856 | 3.2 | 2735 | 3.0 | 57 | 313 | 0.3 | 259 | 0.3 |
| 13 | 2234 | 2.5 | 2308 | 2.5 | 58 | 346 | 0.4 | 329 | 0.4 |
| 14 | 2131 | 2.4 | 2342 | 2.5 | 59 | 205 | 0.2 | 175 | 0.2 |
| 15 | 2088 | 2.3 | 1816 | 2.0 | 60 | 1101 | 1.2 | 934 | 1.0 |
| 16 | 1919 | 2.1 | 1643 | 1.8 | 61 | 230 | 0.3 | 215 | 0.2 |
| 17 | 1575 | 1.7 | 1454 | 1.6 | 62 | 326 | 0.4 | 251 | 0.3 |
| 18 | 1740 | 1.9 | 1696 | 1.8 | 63 | 209 | 0.2 | 189 | 0.2 |
| 19 | 1077 | 1.2 | 1068 | 1.2 | 64 | 244 | 0.3 | 185 | 0.2 |
| 20 | 2010 | 2.2 | 2250 | 2.4 | 65 | 558 | 0.6 | 367 | 0.4 |
| 21 | 875 | 1.0 | 963 | 1.0 | 66 | 215 | 0.2 | 185 | 0.2 |
| 22 | 1090 | 1.2 | 1212 | 1.3 | 67 | 183 | 0.2 | 114 | 0.1 |
| 23 | 949 | 1.1 | 1061 | 1.2 | 68 | 206 | 0.2 | 190 | 0.2 |
| 24 | 827 | 0.9 | 1056 | 1.1 | 69 | 154 | 0.2 | 123 | 0.1 |
| 25 | 1702 | 1.9 | 2398 | 2.6 | 70 | 761 | 0.8 | 524 | 0.6 |
| 26 | 870 | 1.0 | 1066 | 1.2 | 71 | 174 | 0.2 | 133 | 0.1 |
| 27 | 814 | 0.9 | 1101 | 1.2 | 72 | 133 | 0.1 | 108 | 0.1 |
| 28 | 909 | 1.0 | 1178 | 1.3 | 73 | 102 | 0.1 | 69 | 0.1 |
| 29 | 646 | 0.7 | 754 | 0.8 | 74 | 122 | 0.1 | 67 | 0.1 |
| 30 | 1997 | 2.2 | 2604 | 2.8 | 75 | 278 | 0.3 | 196 | 0.2 |
| 31 | 631 | 0.7 | 747 | 0.8 | 76 | 150 | 0.2 | 115 | 0.1 |
| 32 | 890 | 1.0 | 1011 | 1.1 | 77 | 50 | 0.1 | 35 | 0.0 |
| 33 | 644 | 0.7 | 777 | 0.8 | 78 | 98 | 0.1 | 61 | 0.1 |
| 34 | 661 | 0.7 | 772 | 0.8 | 79 | 37 | 0.0 | 45 | 0.0 |
| 35 | 1697 | 1.9 | 1855 | 2.0 | 80 | 350 | 0.4 | 237 | 0.3 |
| 36 | 736 | 0.8 | 887 | 1.0 | 81 | 62 | 0.1 | 45 | 0.0 |
| 37 | 692 | 0.8 | 639 | 0.7 | 82 | 54 | 0.1 | 74 | 0.1 |
| 38 | 725 | 0.8 | 850 | 0.9 | 83 | 38 | 0.0 | 33 | 0.0 |
| 39 | 457 | 0.5 | 498 | 0.5 | 84 | 34 | 0.0 | 33 | 0.0 |
| 40 | 1847 | 2.0 | 1865 | 2.0 | 85+ | 352 | 0.4 | 327 | 0.4 |
| 41 | 544 | 0.6 | 521 | 0.6 | | | | | |
| 42 | 651 | 0.7 | 667 | 0.7 | DK/Missing | 208 | 0.2 | 184 | 0.2 |
| 43 | 499 | 0.6 | 469 | 0.5 | | | | | |
| 44 | 445 | 0.5 | 427 | 0.5 | Total | 90172 | 100.0 | 91993 | 100.0 |

Figure DQ.1: Household population by single ages, Nigeria, 2016-17

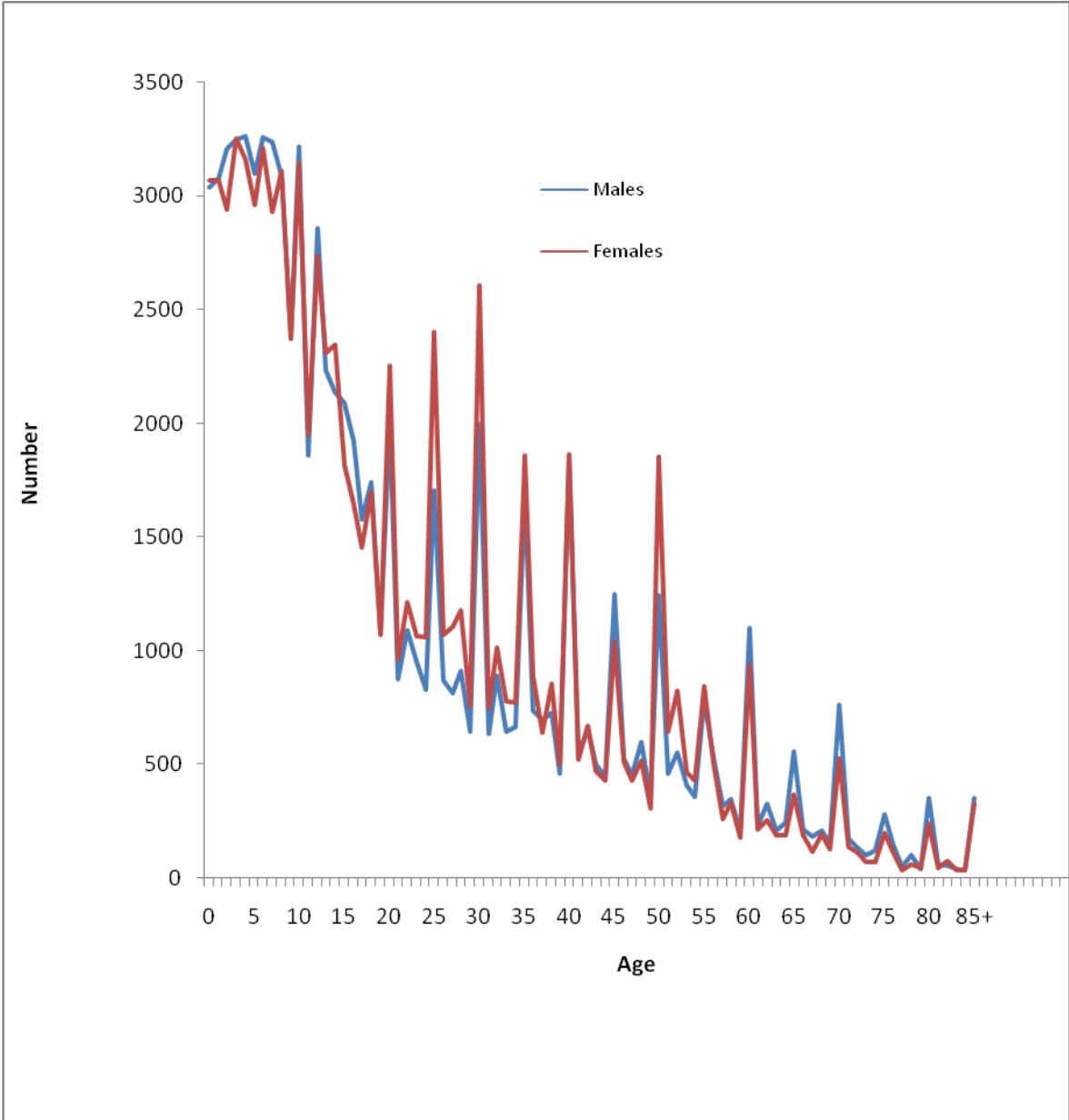


Table DQ.2: Age distribution of eligible and interviewed women

Household population of women age 10-54 years, interviewed women age 15-49 years, and percentage of eligible women who were interviewed, by five-year age groups, Nigeria, 2016-17

| Age | Household population of women age 10-54 years | | Interviewed women age 15-49 years | | Percentage of eligible women interviewed (Completion rate) |
|-------------------------|---|--|-----------------------------------|---------|--|
| | Number | | Number | Percent | |
| 10-14 | | | na | na | na |
| 15-19 | 7677 | | 7203 | 19.9 | 93.8 |
| 20-24 | 6542 | | 6144 | 16.9 | 93.9 |
| 25-29 | 6496 | | 6240 | 17.2 | 96.1 |
| 30-34 | 5911 | | 5687 | 15.7 | 96.2 |
| 35-39 | 4730 | | 4578 | 12.6 | 96.8 |
| 40-44 | 3949 | | 3764 | 10.4 | 95.3 |
| 45-49 | 2796 | | 2665 | 7.3 | 95.3 |
| 50-54 | | | na | na | na |
| Total (15-49) | 38101 | | 36282 | 100.0 | 95.2 |
| Ratio of 50-54 to 45-49 | 1.50 | | na | na | na |

na: not applicable

Table DQ.3: Age distribution of eligible and interviewed men

Household population of men age 10-54 years, in all households and in households selected for men's interviews, interviewed men age 15-49 years, and percentage of eligible men who were interviewed, by five-year age groups, Nigeria, 2016-17

| Age | Household population of men age 10-54 years | | Interviewed men age 15-49 years | | Percentage of eligible men interviewed (Completion rate) |
|-------------------------|---|---------------------|---------------------------------|---------|--|
| | All households | Selected households | Number | Percent | |
| | Number | Number | | | |
| 10-14 | 12292 | 6209 | na | na | na |
| 15-19 | 8398 | 3997 | 3709 | 23.1 | 92.8 |
| 20-24 | 5752 | 2720 | 2502 | 15.6 | 92.0 |
| 25-29 | 4942 | 2499 | 2315 | 14.4 | 92.6 |
| 30-34 | 4824 | 2403 | 2202 | 13.7 | 91.6 |
| 35-39 | 4308 | 2204 | 2045 | 12.7 | 92.8 |
| 40-44 | 3986 | 1997 | 1819 | 11.3 | 91.1 |
| 45-49 | 3174 | 1587 | 1453 | 9.1 | 91.6 |
| 50-54 | 3016 | 1474 | na | na | na |
| Total (15-49) | 35384 | 17407 | 16044 | 100.0 | 92.2 |
| Ratio of 50-54 to 45-49 | 95 | .93 | na | na | na |

na: not applicable

Table DQ.4: Age distribution of children in household and under-5 questionnaires

Household population of children age 0-7 years, children age 0-4 years whose mothers/caretakers were interviewed, and percentage of under-5 children whose mothers/caretakers were interviewed, by single years of age, Nigeria, 2016-17

| Age | Household population of children 0-7 years | Under-5s with completed interviews | | Percentage of eligible under-5s with completed interviews (Completion rate) |
|-----------------|--|------------------------------------|---------|---|
| | Number | Number | Percent | |
| 0 | 6101 | 5998 | 19.5 | 98.3 |
| 1 | 6139 | 6037 | 19.6 | 98.3 |
| 2 | 6145 | 6030 | 19.6 | 98.1 |
| 3 | 6495 | 6391 | 20.8 | 98.4 |
| 4 | 6418 | 6331 | 20.6 | 98.6 |
| 5 | 6057 | na | na | na |
| 6 | 6467 | na | na | na |
| 7 | 6163 | na | na | na |
| Total (0-4) | 31299 | 30786 | 100.0 | 98.4 |
| Ratio of 5 to 4 | .94 | na | na | na |

na: not applicable

Table DQ.5: Birth date reporting: Household population (continued)

Percent distribution of household population by completeness of date of birth information, Nigeria, 2016-17

| | Completeness of reporting of month and year of birth | | | | Total | Number of household members |
|--------------|--|--------------------|---------------------|--------------|--------------|-----------------------------|
| | Year and month of birth | Year of birth only | Month of birth only | Both missing | | |
| Total | 85.3 | 12.1 | 0.1 | 2.4 | 100.0 | 182165 |
| State | | | | | | |
| Abia | 79.0 | 16.3 | 0.1 | 4.6 | 100.0 | 1826 |
| Adamawa | 86.3 | 13.6 | 0.0 | 0.2 | 100.0 | 4379 |
| Akwa Ibom | 97.1 | 2.8 | 0.0 | 0.1 | 100.0 | 3893 |
| Anambra | 89.8 | 8.2 | 0.1 | 1.9 | 100.0 | 2965 |
| Bauchi | 91.2 | 8.7 | 0.0 | 0.0 | 100.0 | 8746 |
| Bayelsa | 88.8 | 7.7 | 0.1 | 3.4 | 100.0 | 1279 |
| Benue | 91.5 | 8.2 | 0.0 | 0.2 | 100.0 | 5012 |
| Borno | 96.1 | 3.9 | 0.0 | 0.0 | 100.0 | 11063 |
| Cross River | 92.4 | 4.1 | 0.1 | 3.4 | 100.0 | 3233 |
| Delta | 92.9 | 6.0 | 0.2 | 0.8 | 100.0 | 2921 |
| Ebonyi | 89.2 | 7.2 | 0.1 | 3.5 | 100.0 | 2248 |
| Edo | 93.5 | 4.9 | 0.3 | 1.3 | 100.0 | 2339 |
| Ekiti | 79.8 | 19.1 | 0.0 | 1.2 | 100.0 | 1128 |
| Enugu | 86.7 | 10.5 | 0.4 | 2.4 | 100.0 | 2399 |
| Gombe | 81.2 | 17.1 | 0.3 | 1.3 | 100.0 | 3291 |
| Imo | 95.7 | 3.7 | 0.1 | 0.4 | 100.0 | 3270 |
| Jigawa | 63.4 | 15.3 | 1.0 | 20.3 | 100.0 | 8019 |
| Kaduna | 95.2 | 4.4 | 0.0 | 0.4 | 100.0 | 10418 |
| Kano | 76.6 | 23.2 | 0.0 | 0.2 | 100.0 | 13560 |
| Katsina | 84.0 | 15.5 | 0.0 | 0.5 | 100.0 | 10941 |
| Kebbi | 72.9 | 12.2 | 0.1 | 14.8 | 100.0 | 5391 |
| Kogi | 95.6 | 3.4 | 0.1 | 1.0 | 100.0 | 3152 |
| Kwara | 99.0 | 0.9 | 0.0 | 0.1 | 100.0 | 2709 |
| Lagos | 96.5 | 2.4 | 0.3 | 0.9 | 100.0 | 7576 |
| Nasarawa | 98.7 | 1.1 | 0.0 | 0.2 | 100.0 | 3792 |
| Niger | 78.9 | 20.7 | 0.0 | 0.4 | 100.0 | 7954 |
| Ogun | 87.8 | 12.0 | 0.0 | 0.1 | 100.0 | 2317 |
| Ondo | 92.1 | 7.0 | 0.1 | 0.7 | 100.0 | 3471 |
| Osun | 82.5 | 15.1 | 0.0 | 2.4 | 100.0 | 3257 |
| Oyo | 76.2 | 13.3 | 0.8 | 9.7 | 100.0 | 5508 |
| Plateau | 99.5 | 0.5 | 0.0 | 0.0 | 100.0 | 6581 |
| Rivers | 91.8 | 5.1 | 0.1 | 3.0 | 100.0 | 3729 |
| Sokoto | 67.1 | 31.5 | 0.0 | 1.4 | 100.0 | 5164 |
| Taraba | 72.7 | 27.0 | 0.1 | 0.2 | 100.0 | 2974 |
| Yobe | 70.2 | 29.7 | 0.0 | 0.1 | 100.0 | 6511 |
| Zamfara | 72.1 | 24.0 | 0.0 | 3.9 | 100.0 | 7663 |
| FCT Abuja | 97.6 | 1.8 | 0.0 | 0.5 | 100.0 | 1489 |

na: not applicable

Table DQ.6: Birth date and age reporting: Women

Percent distribution of women age 15-49 years by completeness of date of birth/age information, Nigeria, 2016-17

| | Completeness of reporting of date of birth and age | | | | | Total | Number of women age 15-49 years |
|------------------|--|--------------------------|-----------------------|------------|-----------------------------|--------------|------------------------------------|
| | Year and month of birth | Year of birth and age | Year of birth only | Age only | Other/Don't know/Missing | | |
| Total | 84.2 | 13.7 | 0.0 | 2.0 | 0.1 | 100.0 | 34376 |
| State | | | | | | | |
| Abia | 90.0 | 9.5 | 0.0 | 0.4 | 0.1 | 100.0 | 336 |
| Adamawa | 83.0 | 17.0 | 0.0 | 0.0 | 0.0 | 100.0 | 830 |
| Akwa Ibom | 98.4 | 1.6 | 0.0 | 0.0 | 0.0 | 100.0 | 834 |
| Anambra | 96.4 | 2.7 | 0.0 | 0.8 | 0.1 | 100.0 | 608 |
| Bauchi | 88.3 | 11.7 | 0.0 | 0.0 | 0.0 | 100.0 | 1559 |
| Bayelsa | 92.3 | 5.2 | 0.0 | 2.5 | 0.0 | 100.0 | 260 |
| Benue | 93.9 | 6.1 | 0.0 | 0.0 | 0.0 | 100.0 | 956 |
| Borno | 93.9 | 6.1 | 0.0 | 0.0 | 0.0 | 100.0 | 1984 |
| Cross River | 95.1 | 3.1 | 0.0 | 1.6 | 0.2 | 100.0 | 693 |
| Delta | 95.3 | 4.2 | 0.0 | 0.4 | 0.1 | 100.0 | 584 |
| Ebonyi | 92.7 | 5.3 | 0.0 | 1.7 | 0.3 | 100.0 | 400 |
| Edo | 95.5 | 3.3 | 0.0 | 1.1 | 0.1 | 100.0 | 494 |
| Ekiti | 90.0 | 10.0 | 0.0 | 0.0 | 0.0 | 100.0 | 216 |
| Enugu | 95.0 | 3.6 | 0.0 | 0.9 | 0.5 | 100.0 | 495 |
| Gombe | 71.5 | 26.4 | 0.0 | 1.1 | 1.0 | 100.0 | 562 |
| Imo | 98.9 | 0.9 | 0.0 | 0.0 | 0.2 | 100.0 | 606 |
| Jigawa | 50.5 | 24.1 | 0.0 | 24.4 | 0.9 | 100.0 | 1313 |
| Kaduna | 95.5 | 4.5 | 0.0 | 0.0 | 0.0 | 100.0 | 2076 |
| Kano | 64.2 | 35.6 | 0.0 | 0.1 | 0.0 | 100.0 | 2389 |
| Katsina | 78.0 | 21.3 | 0.0 | 0.6 | 0.0 | 100.0 | 1950 |
| Kebbi | 64.5 | 18.0 | 0.0 | 17.5 | 0.0 | 100.0 | 956 |
| Kogi | 97.6 | 2.3 | 0.0 | 0.1 | 0.0 | 100.0 | 632 |
| Kwara | 99.8 | 0.2 | 0.0 | 0.0 | 0.0 | 100.0 | 487 |
| Lagos | 98.2 | 1.5 | 0.0 | 0.1 | 0.1 | 100.0 | 1725 |
| Nasarawa | 98.9 | 1.0 | 0.0 | 0.0 | 0.1 | 100.0 | 738 |
| Niger | 75.3 | 24.4 | 0.0 | 0.3 | 0.1 | 100.0 | 1536 |
| Ogun | 91.6 | 8.4 | 0.0 | 0.0 | 0.0 | 100.0 | 474 |
| Ondo | 96.0 | 3.6 | 0.0 | 0.4 | 0.0 | 100.0 | 646 |
| Osun | 91.3 | 7.9 | 0.0 | 0.9 | 0.0 | 100.0 | 638 |
| Oyo | 81.2 | 12.7 | 0.0 | 5.0 | 1.1 | 100.0 | 1042 |
| Plateau | 99.4 | 0.6 | 0.0 | 0.0 | 0.0 | 100.0 | 1317 |
| Rivers | 97.3 | 1.7 | 0.0 | 0.8 | 0.2 | 100.0 | 803 |
| Sokoto | 54.2 | 44.1 | 0.0 | 1.6 | 0.1 | 100.0 | 912 |
| Taraba | 69.8 | 30.2 | 0.0 | 0.0 | 0.0 | 100.0 | 558 |
| Yobe | 69.7 | 30.3 | 0.0 | 0.0 | 0.0 | 100.0 | 1091 |
| Zamfara | 66.1 | 31.1 | 0.0 | 2.4 | 0.4 | 100.0 | 1337 |
| FCT Abuja | 98.5 | 1.4 | 0.0 | 0.0 | 0.0 | 100.0 | 340 |
| Residence | | | | | | | |
| Urban | 91.5 | 7.2 | 0.0 | 1.2 | 0.2 | 100.0 | 12373 |
| Rural | 80.1 | 17.4 | 0.0 | 2.4 | 0.1 | 100.0 | 22003 |

Table DQ.7: Birth date and age reporting: Men

Percent distribution of men age 15-49 years by completeness of date of birth/age information, Nigeria, 2016-17

| | Completeness of reporting of date of birth and age | | | | | Total | Number of men age 15-49 years |
|------------------|--|-----------------------|--------------------|------------|--------------------------|--------------|-------------------------------|
| | Year and month of birth | Year of birth and age | Year of birth only | Age only | Othe /Missing Don't know | | |
| Total | 86.7 | 11.8 | 0.0 | 1.4 | 0.0 | 100.0 | 15183 |
| State | | | | | | | |
| Abia | 95.21712538 | 4.8 | 0.0 | 0.0 | 0.0 | 100.0 | 142 |
| Adamawa | 84.0268588 | 16.0 | 0.0 | 0.0 | 0.0 | 100.0 | 389 |
| Akwa Ibom | 98.54064727 | 1.5 | 0.0 | 0.0 | 0.0 | 100.0 | 365 |
| Anambra | 95.68207872 | 4.0 | 0.0 | 0.3 | 0.0 | 100.0 | 241 |
| Bauchi | 90.09675583 | 9.9 | 0.0 | 0.0 | 0.0 | 100.0 | 681 |
| Bayelsa | 92.7048948 | 7.0 | 0.0 | 0.0 | 0.0 | 100.0 | 121 |
| Benue | 98.3504995 | 1.6 | 0.0 | 0.0 | 0.0 | 100.0 | 481 |
| Borno | 91.92279321 | 8.1 | 0.0 | 0.0 | 0.0 | 100.0 | 813 |
| Cross River | 97.70629872 | 2.3 | 0.0 | 0.0 | 0.0 | 100.0 | 275 |
| Delta | 98.64864865 | 1.4 | 0.0 | 0.0 | 0.0 | 100.0 | 258 |
| Ebonyi | 94.09907722 | 5.3 | 0.0 | 0.6 | 0.0 | 100.0 | 152 |
| Edo | 98.93315428 | 1.1 | 0.0 | 0.0 | 0.0 | 100.0 | 209 |
| Ekiti | 92.72910373 | 7.3 | 0.0 | 0.0 | 0.0 | 100.0 | 96 |
| Enugu | 99.22811294 | 0.8 | 0.0 | 0.0 | 0.0 | 100.0 | 190 |
| Gombe | 77.82586814 | 21.8 | 0.0 | 0.3 | 0.0 | 100.0 | 268 |
| Imo | 98.37382251 | 1.2 | 0.0 | 0.2 | 0.0 | 100.0 | 260 |
| Jigawa | 53.25776036 | 28.8 | 0.0 | 17.8 | 0.0 | 100.0 | 534 |
| Kaduna | 97.07797923 | 2.9 | 0.0 | 0.0 | 0.0 | 100.0 | 898 |
| Kano | 70.39435887 | 29.6 | 0.0 | 0.0 | 0.0 | 100.0 | 1028 |
| Katsina | 80.65497203 | 19.3 | 0.0 | 0.0 | 0.0 | 100.0 | 816 |
| Kebbi | 69.05567998 | 13.9 | 0.0 | 17.0 | 0.0 | 100.0 | 426 |
| Kogi | 98.15936062 | 1.8 | 0.0 | 0.0 | 0.0 | 100.0 | 275 |
| Kwara | 100 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 232 |
| Lagos | 99.39204985 | 0.5 | 0.0 | 0.1 | 0.0 | 100.0 | 808 |
| Nasarawa | 99.79072063 | 0.2 | 0.0 | 0.0 | 0.0 | 100.0 | 352 |
| Niger | 80.1621763 | 19.6 | 0.0 | 0.2 | 0.0 | 100.0 | 645 |
| Ogun | 92.16485078 | 7.8 | 0.0 | 0.0 | 0.0 | 100.0 | 206 |
| Ondo | 98.50547104 | 1.3 | 0.0 | 0.2 | 0.0 | 100.0 | 293 |
| Osun | 91.74911957 | 8.3 | 0.0 | 0.0 | 0.0 | 100.0 | 296 |
| Oyo | 83.29430927 | 12.6 | 0.0 | 4.1 | 0.0 | 100.0 | 490 |
| Plateau | 100 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 606 |
| Rivers | 95.73517158 | 4.3 | 0.0 | 0.0 | 0.0 | 100.0 | 436 |
| Sokoto | 53.82837872 | 46.2 | 0.0 | 0.0 | 0.0 | 100.0 | 358 |
| Taraba | 76.22242099 | 21.5 | 0.0 | 2.3 | 0.0 | 100.0 | 256 |
| Yobe | 69.14192262 | 30.9 | 0.0 | 0.0 | 0.0 | 100.0 | 537 |
| Zamfara | 76.39593909 | 20.4 | 0.0 | 2.9 | 0.0 | 100.0 | 613 |
| FCT Abuja | 99.80386038 | 0.2 | 0.0 | 0.0 | 0.0 | 100.0 | 139 |
| Residence | | | | | | | |
| Urban | 92.8 | 6.7 | 0.0 | 0.5 | 0.0 | 100.0 | 5627 |
| Rural | 83.1 | 14.9 | 0.0 | 2.0 | 0.0 | 100.0 | 9556 |

Table DQ.8: Birth date and age reporting: Under-5

Percent distribution children under 5 by completeness of date of birth/age information, Nigeria, 2016-17

| | Completeness of reporting of date of birth and age | | | | | Total | Number of under-5 children |
|------------------|--|-----------------------|--------------------|------------|--------------------------|--------------|----------------------------|
| | Year and month of birth | Year of birth and age | Year of birth only | Age only | Other/Don't know/Missing | | |
| Total | 98.7 | 1.2 | 0.0 | 0.1 | 0.0 | 100.0 | 28085 |
| State | | | | | | | |
| Abia | 99.2 | 0.8 | 0.0 | 0.0 | 0.0 | 100.0 | 224 |
| Adamawa | 99.3 | 0.7 | 0.0 | 0.0 | 0.0 | 100.0 | 624 |
| Akwa Ibom | 99.9 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 600 |
| Anambra | 99.3 | 0.7 | 0.0 | 0.0 | 0.0 | 100.0 | 383 |
| Bauchi | 98.8 | 1.2 | 0.0 | 0.0 | 0.0 | 100.0 | 1524 |
| Bayelsa | 98.9 | 1.0 | 0.0 | 0.1 | 0.0 | 100.0 | 177 |
| Benue | 98.6 | 1.4 | 0.0 | 0.0 | 0.0 | 100.0 | 697 |
| Borno | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 1851 |
| Cross River | 99.9 | 0.1 | 0.0 | 0.0 | 0.0 | 100.0 | 393 |
| Delta | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 409 |
| Ebonyi | 99.9 | 0.1 | 0.0 | 0.0 | 0.0 | 100.0 | 271 |
| Edo | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 281 |
| Ekiti | 99.3 | 0.7 | 0.0 | 0.0 | 0.0 | 100.0 | 125 |
| Enugu | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 268 |
| Gombe | 99.7 | 0.3 | 0.0 | 0.0 | 0.0 | 100.0 | 534 |
| Imo | 99.8 | 0.2 | 0.0 | 0.0 | 0.0 | 100.0 | 405 |
| Jigawa | 98.7 | 0.2 | 0.0 | 1.1 | 0.0 | 100.0 | 1399 |
| Kaduna | 99.7 | 0.3 | 0.0 | 0.0 | 0.0 | 100.0 | 1607 |
| Kano | 99.6 | 0.3 | 0.0 | 0.0 | 0.0 | 100.0 | 2325 |
| Katsina | 99.8 | 0.2 | 0.0 | 0.0 | 0.0 | 100.0 | 2066 |
| Kebbi | 99.8 | 0.2 | 0.0 | 0.0 | 0.0 | 100.0 | 935 |
| Kogi | 99.8 | 0.2 | 0.0 | 0.0 | 0.0 | 100.0 | 372 |
| Kwara | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 358 |
| Lagos | 99.8 | 0.2 | 0.0 | 0.0 | 0.0 | 100.0 | 1054 |
| Nasarawa | 99.9 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 607 |
| Niger | 99.2 | 0.8 | 0.0 | 0.0 | 0.0 | 100.0 | 1270 |
| Ogun | 99.6 | 0.4 | 0.0 | 0.0 | 0.0 | 100.0 | 295 |
| Ondo | 99.3 | 0.7 | 0.0 | 0.0 | 0.0 | 100.0 | 408 |
| Osun | 99.3 | 0.7 | 0.0 | 0.0 | 0.0 | 100.0 | 342 |
| Oyo | 99.6 | 0.4 | 0.0 | 0.0 | 0.0 | 100.0 | 745 |
| Plateau | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 1103 |
| Rivers | 99.7 | 0.3 | 0.0 | 0.0 | 0.0 | 100.0 | 412 |
| Sokoto | 98.8 | 1.2 | 0.0 | 0.0 | 0.0 | 100.0 | 975 |
| Taraba | 96.8 | 3.2 | 0.0 | 0.0 | 0.0 | 100.0 | 422 |
| Yobe | 80.9 | 19.1 | 0.0 | 0.0 | 0.0 | 100.0 | 1085 |
| Zamfara | 98.2 | 1.8 | 0.0 | 0.0 | 0.0 | 100.0 | 1328 |
| FCT Abuja | 99.7 | 0.3 | 0.0 | 0.0 | 0.0 | 100.0 | 209 |
| Residence | | | | | | | |
| Urban | 99.6 | 0.4 | 0.0 | 0.1 | 0.0 | 100.0 | 8553 |
| Rural | 98.3 | 1.6 | 0.0 | 0.1 | 0.0 | 100.0 | 19532 |

Table DQ.9: Birth date reporting: Children, adolescents and young people

Percent distribution of children, adolescents and young people age 5-24 years by completeness of date of birth information, Nigeria, 2016-17

| | Completeness of reporting of month and year of birth | | | | Total | Number of children, adolescents and young people age 5-24 years |
|------------------|--|--------------------|---------------------|--------------|--------------|---|
| | Year and month of birth | Year of birth only | Month of birth only | Both missing | | |
| Total | 88.8 | 9.2 | 0.0 | 1.9 | 100.0 | 82769 |
| State | | | | | | |
| Abia | 90.4 | 8.6 | 0.0 | 1.0 | 100.0 | 673 |
| Adamawa | 91.4 | 8.6 | 0.0 | 0.0 | 100.0 | 2127 |
| Akwa Ibom | 98.9 | 1.1 | 0.0 | 0.0 | 100.0 | 1613 |
| Anambra | 95.1 | 4.0 | 0.0 | 0.9 | 100.0 | 1213 |
| Bauchi | 94.2 | 5.8 | 0.0 | 0.0 | 100.0 | 4233 |
| Bayelsa | 93.4 | 5.6 | 0.0 | 1.0 | 100.0 | 579 |
| Benue | 96.6 | 3.4 | 0.0 | 0.0 | 100.0 | 2360 |
| Borno | 99.6 | 0.4 | 0.0 | 0.0 | 100.0 | 5482 |
| Cross River | 96.0 | 1.2 | 0.0 | 2.8 | 100.0 | 1445 |
| Delta | 97.6 | 2.3 | 0.0 | 0.1 | 100.0 | 1200 |
| Ebonyi | 95.6 | 2.9 | 0.0 | 1.5 | 100.0 | 966 |
| Edo | 96.6 | 3.4 | 0.0 | 0.0 | 100.0 | 921 |
| Ekiti | 90.8 | 9.1 | 0.0 | 0.1 | 100.0 | 430 |
| Enugu | 96.8 | 2.8 | 0.0 | 0.4 | 100.0 | 943 |
| Gombe | 85.6 | 14.2 | 0.2 | 0.1 | 100.0 | 1609 |
| Imo | 99.3 | 0.7 | 0.0 | 0.0 | 100.0 | 1236 |
| Jigawa | 66.4 | 15.2 | 0.3 | 18.2 | 100.0 | 3872 |
| Kaduna | 97.8 | 2.1 | 0.0 | 0.1 | 100.0 | 5106 |
| Kano | 84.1 | 15.8 | 0.0 | 0.0 | 100.0 | 6459 |
| Katsina | 86.8 | 12.6 | 0.0 | 0.6 | 100.0 | 5037 |
| Kebbi | 75.7 | 7.2 | 0.1 | 17.0 | 100.0 | 2551 |
| Kogi | 98.4 | 1.6 | 0.0 | 0.0 | 100.0 | 1437 |
| Kwara | 99.4 | 0.6 | 0.0 | 0.0 | 100.0 | 1179 |
| Lagos | 98.8 | 1.0 | 0.1 | 0.1 | 100.0 | 2759 |
| Nasarawa | 99.6 | 0.4 | 0.0 | 0.0 | 100.0 | 1814 |
| Niger | 78.1 | 21.6 | 0.0 | 0.3 | 100.0 | 3852 |
| Ogun | 95.2 | 4.8 | 0.0 | 0.0 | 100.0 | 972 |
| Ondo | 97.0 | 2.9 | 0.0 | 0.0 | 100.0 | 1329 |
| Osun | 89.5 | 9.4 | 0.0 | 1.1 | 100.0 | 1403 |
| Oyo | 87.1 | 8.0 | 0.6 | 4.3 | 100.0 | 2171 |
| Plateau | 99.9 | 0.1 | 0.0 | 0.0 | 100.0 | 2956 |
| Rivers | 95.3 | 2.6 | 0.0 | 2.0 | 100.0 | 1495 |
| Sokoto | 71.8 | 27.5 | 0.1 | 0.7 | 100.0 | 2336 |
| Taraba | 77.7 | 22.2 | 0.0 | 0.1 | 100.0 | 1385 |
| Yobe | 70.7 | 29.3 | 0.0 | 0.0 | 100.0 | 3258 |
| Zamfara | 75.6 | 21.1 | 0.0 | 3.3 | 100.0 | 3692 |
| FCT Abuja | 98.8 | 1.0 | 0.0 | 0.3 | 100.0 | 676 |
| Residence | | | | | | |
| Urban | 93.5 | 5.5 | 0.0 | 1.0 | 100.0 | 27485 |
| Rural | 86.5 | 11.1 | 0.0 | 2.3 | 100.0 | 55284 |

Table DQ.10: Birth date reporting: First and last births

Percent distribution of first and last births to women age 15-49 years by completeness of date of birth, Nigeria, 2016-17

| | Completeness of reporting of date of birth | | | | | | | | | | |
|------------------|--|--------------------|--|--------------------------|--------------|------------------------|-------------------------|--------------------|--------------------------|--------------|-----------------------|
| | Date of first birth | | | | | Date of last birth | | | | | |
| | Year and month of birth | Year of birth only | Completed years since first birth only | Other/Don't know/Missing | Total | Number of first births | Year and month of birth | Year of birth only | Other/Don't know/Missing | Total | Number of last births |
| Total | 91.0 | 6.9 | 1.0 | 1.1 | 100.0 | 24607 | 95.3 | 3.8 | 0.8 | 100.0 | 21032 |
| State | | | | | | | | | | | |
| Abia | 96.3 | 3.2 | 0.0 | 0.5 | 100.0 | 215 | 95.9 | 3.4 | 0.6 | 100.0 | 174 |
| Adamawa | 93.4 | 5.9 | 0.0 | 0.6 | 100.0 | 580 | 97.3 | 2.7 | 0.0 | 100.0 | 492 |
| Akwa Ibom | 99.6 | 0.4 | 0.0 | 0.0 | 100.0 | 550 | 100.0 | 0.0 | 0.0 | 100.0 | 434 |
| Anambra | 99.6 | 0.4 | 0.0 | 0.0 | 100.0 | 347 | 98.7 | 0.8 | 0.5 | 100.0 | 286 |
| Bauchi | 90.6 | 9.4 | 0.0 | 0.0 | 100.0 | 1240 | 96.1 | 3.9 | 0.0 | 100.0 | 1065 |
| Bayelsa | 98.0 | 1.7 | 0.0 | 0.3 | 100.0 | 181 | 98.7 | 1.0 | 0.3 | 100.0 | 148 |
| Benue | 98.4 | 1.5 | 0.0 | 0.1 | 100.0 | 656 | 98.8 | 0.7 | 0.5 | 100.0 | 561 |
| Borno | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 | 1415 | 99.5 | 0.1 | 0.4 | 100.0 | 1274 |
| Cross River | 97.8 | 0.7 | 1.5 | 0.0 | 100.0 | 469 | 99.4 | 0.2 | 0.4 | 100.0 | 379 |
| Delta | 97.3 | 2.3 | 0.3 | 0.1 | 100.0 | 388 | 99.2 | 0.5 | 0.3 | 100.0 | 335 |
| Ebonyi | 98.4 | 1.4 | 0.0 | 0.3 | 100.0 | 234 | 97.4 | 2.3 | 0.2 | 100.0 | 195 |
| Edo | 97.4 | 1.5 | 0.9 | 0.2 | 100.0 | 308 | 96.5 | 2.3 | 1.2 | 100.0 | 252 |
| Ekiti | 93.6 | 5.0 | 0.0 | 1.5 | 100.0 | 151 | 98.3 | 1.0 | 0.7 | 100.0 | 126 |
| Enugu | 98.8 | 0.4 | 0.0 | 0.9 | 100.0 | 246 | 100.0 | 0.0 | 0.0 | 100.0 | 206 |
| Gombe | 85.7 | 10.7 | 0.8 | 2.8 | 100.0 | 427 | 92.1 | 6.0 | 1.9 | 100.0 | 368 |
| Imo | 99.6 | 0.4 | 0.0 | 0.0 | 100.0 | 369 | 99.7 | 0.3 | 0.0 | 100.0 | 306 |
| Jigawa | 68.6 | 12.0 | 12.2 | 7.3 | 100.0 | 1042 | 90.1 | 3.6 | 6.4 | 100.0 | 941 |
| Kaduna | 97.6 | 2.3 | 0.0 | 0.1 | 100.0 | 1451 | 99.3 | 0.7 | 0.0 | 100.0 | 1215 |
| Kano | 83.2 | 14.5 | 0.2 | 2.2 | 100.0 | 1823 | 93.8 | 5.5 | 0.7 | 100.0 | 1624 |
| Katsina | 90.0 | 9.1 | 0.1 | 0.7 | 100.0 | 1607 | 94.7 | 5.0 | 0.3 | 100.0 | 1379 |
| Kebbi | 77.1 | 6.1 | 10.6 | 6.1 | 100.0 | 717 | 90.9 | 3.7 | 5.4 | 100.0 | 635 |
| Kogi | 91.5 | 1.7 | 0.4 | 6.4 | 100.0 | 381 | 96.5 | 0.8 | 2.7 | 100.0 | 319 |
| Kwara | 99.8 | 0.0 | 0.0 | 0.2 | 100.0 | 358 | 99.8 | 0.2 | 0.0 | 100.0 | 303 |
| Lagos | 99.4 | 0.4 | 0.0 | 0.2 | 100.0 | 1128 | 99.9 | 0.0 | 0.1 | 100.0 | 880 |
| Nasarawa | 99.8 | 0.1 | 0.0 | 0.1 | 100.0 | 530 | 100.0 | 0.0 | 0.0 | 100.0 | 459 |
| Niger | 84.1 | 15.6 | 0.1 | 0.1 | 100.0 | 1161 | 90.3 | 9.6 | 0.1 | 100.0 | 1014 |
| Ogun | 96.6 | 3.4 | 0.0 | 0.0 | 100.0 | 339 | 97.6 | 2.4 | 0.0 | 100.0 | 286 |
| Ondo | 98.8 | 0.8 | 0.0 | 0.4 | 100.0 | 453 | 99.3 | 0.7 | 0.0 | 100.0 | 369 |
| Osun | 94.3 | 4.7 | 0.4 | 0.5 | 100.0 | 413 | 97.6 | 2.1 | 0.3 | 100.0 | 360 |
| Oyo | 91.7 | 4.6 | 1.6 | 2.2 | 100.0 | 765 | 97.8 | 1.4 | 0.9 | 100.0 | 666 |
| Plateau | 99.6 | 0.4 | 0.0 | 0.0 | 100.0 | 893 | 100.0 | 0.0 | 0.0 | 100.0 | 768 |
| Rivers | 99.6 | 0.4 | 0.0 | 0.0 | 100.0 | 469 | 99.1 | 0.9 | 0.0 | 100.0 | 359 |
| Sokoto | 85.0 | 13.9 | 0.2 | 0.9 | 100.0 | 735 | 90.2 | 8.5 | 1.3 | 100.0 | 635 |
| Taraba | 83.2 | 15.7 | 0.4 | 0.7 | 100.0 | 402 | 89.4 | 10.0 | 0.6 | 100.0 | 340 |
| Yobe | 70.8 | 28.5 | 0.1 | 0.7 | 100.0 | 846 | 74.2 | 25.5 | 0.3 | 100.0 | 733 |
| Zamfara | 83.5 | 15.0 | 0.1 | 1.3 | 100.0 | 1108 | 91.7 | 7.6 | 0.7 | 100.0 | 969 |
| FCT Abuja | 98.4 | 1.1 | 0.0 | 0.5 | 100.0 | 215 | 99.1 | 0.5 | 0.4 | 100.0 | 174 |
| Residence | | | | | | | | | | | |
| Urban | 95.7 | 3.4 | 0.4 | 0.5 | 100.0 | 7941 | 97.6 | 2.0 | 0.4 | 100.0 | 6741 |
| Rural | 88.7 | 8.6 | 1.3 | 1.4 | 100.0 | 16666 | 94.3 | 4.7 | 1.0 | 100.0 | 14292 |

Table DQ.11: Completeness of reporting

Percentage of observations that are missing information for selected questions and indicators, Nigeria, 2016-17

| Questionnaire and type of missing information | Reference group | Percent with missing/incomplete information ^a | Number of cases |
|---|--|--|-----------------|
| Household | | | |
| Salt test result | All households interviewed that have salt | .0 | 33901 |
| Starting time of interview | All households interviewed | .0 | 33901 |
| Ending time of interview | All households interviewed | .0 | 33901 |
| Women | | | |
| Date of first marriage/union | All ever married women age 15-49 | | |
| Only month | | 16.5 | 25856 |
| Both month and year | | 11.2 | 25856 |
| Age at first marriage/union | All ever married women age 15-49 with year of first marriage not known | 2.8 | 25856 |
| Age at first intercourse | All women age 15-24 who have ever had sex | 1.6 | 7224 |
| Time since last intercourse | All women age 15-24 who have ever had sex | 2.3 | 7224 |
| Starting time of interview | All women interviewed | .0 | 34376 |
| Ending time of interview | All women interviewed | .0 | 34376 |
| Men | | | |
| Date of first marriage/union | All ever married men age 15-49 | | |
| Only month | | 14.2 | 7434 |
| Both month and year | | 3.3 | 7434 |
| Age at first marriage/union | All ever married men age 15-49 with year of first marriage not known | 1.3 | 7434 |
| Age at first intercourse | All men age 15-24 who have ever had sex | 1.7 | 1477 |
| Time since last intercourse | All men age 15-24 who have ever had sex | 3.7 | 1477 |
| Starting time of interview | All men interviewed | .0 | 15183 |
| Ending time of interview | All men interviewed | .0 | 15183 |
| Under-5 | | | |
| Starting time of interview | All under-5 children | .0 | 28085 |
| Ending time of interview | All under-5 children | .0 | 28085 |

^a Includes "Don't know" responses**Table DQ.12: Completeness of information for anthropometric indicators: Underweight**

Percent distribution of children under 5 by completeness of information on date of birth and weight, Nigeria, 2016-17

| | Reason for exclusion from analysis | | | | | Total | Percent of children excluded from analysis | Number of children under 5 |
|--------------|------------------------------------|---------------------|--------------------------|--|--------------------------|--------------|--|----------------------------|
| | Valid weight and date of birth | Weight not measured | Incomplete date of birth | Weight not measured and incomplete date of birth | Flagged cases (outliers) | | | |
| Total | 97.6 | 0.7 | 1.2 | 0.1 | 0.5 | 100.0 | 2.4 | 28085 |
| Age | | | | | | | | |
| <6 months | 98.3 | 0.6 | 0.6 | 0.0 | 0.5 | 100.0 | 1.7 | 2723 |
| 6-11 months | 98.9 | 0.4 | 0.3 | 0.0 | 0.4 | 100.0 | 1.1 | 2640 |
| 12-23 months | 98.3 | 0.4 | 1.1 | 0.1 | 0.1 | 100.0 | 1.7 | 5535 |
| 24-35 months | 97.3 | 0.9 | 1.2 | 0.1 | 0.4 | 100.0 | 2.7 | 5514 |
| 36-47 months | 97.8 | 0.7 | 1.2 | 0.1 | 0.3 | 100.0 | 2.2 | 5818 |
| 48-59 months | 95.9 | 0.8 | 2.0 | 0.1 | 1.2 | 100.0 | 4.1 | 5856 |

Table DQ.13: Completeness of information for anthropometric indicators: Stunting

Percent distribution of children under 5 by completeness of information on date of birth and length or height, Nigeria, 2016-17

| | Valid length/height and date of birth | Reason for exclusion from analysis | | | | Total | Percent of children excluded from analysis | Number of children under 5 |
|--------------|---------------------------------------|------------------------------------|--------------------------|--|--------------------------|--------------|--|----------------------------|
| | | Length/Height not measured | Incomplete date of birth | Length/Height not measured, incomplete date of birth | Flagged cases (outliers) | | | |
| Total | 97.2 | 0.7 | 1.2 | 0.1 | 0.9 | 100.0 | 2.8 | 28085 |
| Age | | | | | | | | |
| <6 months | 98.2 | 0.7 | 0.6 | 0.0 | 0.5 | 100.0 | 1.8 | 2723 |
| 6-11 months | 98.5 | 0.4 | 0.3 | 0.0 | 0.8 | 100.0 | 1.5 | 2640 |
| 12-23 months | 97.8 | 0.4 | 1.1 | 0.1 | 0.6 | 100.0 | 2.2 | 5535 |
| 24-35 months | 96.9 | 0.9 | 1.2 | 0.1 | 0.8 | 100.0 | 3.1 | 5514 |
| 36-47 months | 97.4 | 0.8 | 1.1 | 0.1 | 0.6 | 100.0 | 2.6 | 5818 |
| 48-59 months | 95.6 | 0.8 | 2.0 | 0.1 | 1.6 | 100.0 | 4.4 | 5856 |

Table DQ.14: Completeness of information for anthropometric indicators: Wasting

Percent distribution of children under 5 by completeness of information on weight and length or height, Nigeria, 2016-17

| | Valid weight and length/height measured | Reason for exclusion from analysis | | | | Total | Percent of children excluded from analysis | Number of children under 5 |
|--------------|---|------------------------------------|----------------------------|---------------------------------------|--------------------------|--------------|--|----------------------------|
| | | Weight not measured | Length/Height not measured | Weight and length/height not measured | Flagged cases (outliers) | | | |
| Total | 98.4 | 0.0 | 0.1 | 0.7 | 0.8 | 100.0 | 1.6 | 28085 |
| Age | | | | | | | | |
| <6 months | 97.8 | 0.0 | 0.1 | 0.6 | 1.5 | 100.0 | 2.2 | 2723 |
| 6-11 months | 99.2 | 0.0 | 0.0 | 0.4 | 0.4 | 100.0 | 0.8 | 2640 |
| 12-23 months | 99.2 | 0.0 | 0.0 | 0.5 | 0.3 | 100.0 | 0.8 | 5535 |
| 24-35 months | 98.4 | 0.1 | 0.1 | 0.9 | 0.5 | 100.0 | 1.6 | 5514 |
| 36-47 months | 98.5 | 0.0 | 0.2 | 0.7 | 0.5 | 100.0 | 1.5 | 5818 |
| 48-59 months | 97.5 | 0.1 | 0.0 | 0.9 | 1.5 | 100.0 | 2.5 | 5856 |

Table DQ.15: Heaping in anthropometric measurements

Distribution of weight and height/length measurements by digits reported for the decimal points, Nigeria, 2016-17

| | Weight | | Height or length | |
|---------------|--------------|--------------|------------------|--------------|
| | Number | Percent | Number | Percent |
| Total | 27781 | 100.0 | 27795 | 100.0 |
| Digits | | | | |
| 0 | 2949 | 10.6 | 3378 | 12.2 |
| 1 | 2756 | 9.9 | 2655 | 9.6 |
| 2 | 3060 | 11.0 | 3425 | 12.3 |
| 3 | 2722 | 9.8 | 3243 | 11.7 |
| 4 | 2543 | 9.2 | 2918 | 10.5 |
| 5 | 2753 | 9.9 | 3212 | 11.6 |
| 6 | 2775 | 10.0 | 2647 | 9.5 |
| 7 | 2728 | 9.8 | 2491 | 9.0 |
| 8 | 2796 | 10.1 | 2139 | 7.7 |
| 9 | 2698 | 9.7 | 1688 | 6.1 |
| 0 or 5 | 5702 | 20.5 | 6590 | 23.7 |

Table DQ.16: Observation of birth certificates

Percent distribution of children under 5 by presence of birth certificates, and percentage of birth certificates seen, Nigeria, 2016-17

| | Child has birth certificate | | Child does not have birth certificate | Missing/ Don't know | Total | Percentage of birth certificates seen by the interviewer (1)/(1+2)*100 | Number of children under age 5 |
|--------------------|-----------------------------|---------------------------------|---------------------------------------|---------------------|--------------|--|--------------------------------|
| | Seen by the interviewer (1) | Not seen by the interviewer (2) | | | | | |
| Total | 23.0 | 20.2 | 56.3 | 0.4 | 100.0 | 53.3 | 28085 |
| Residence | | | | | | | |
| Urban | 38.8 | 27.2 | 33.6 | 0.5 | 100.0 | 58.8 | 8553 |
| Rural | 16.2 | 17.1 | 66.3 | 0.4 | 100.0 | 48.6 | 19532 |
| Child's age | | | | | | | |
| 0-5 months | 18.0 | 12.6 | 69.4 | 0.0 | 100.0 | 58.7 | 2723 |
| 6-11 months | 23.6 | 14.2 | 61.9 | 0.3 | 100.0 | 62.5 | 2640 |
| 12-23 months | 25.3 | 19.9 | 54.4 | 0.5 | 100.0 | 55.9 | 5535 |
| 24-35 months | 24.0 | 21.6 | 54.1 | 0.2 | 100.0 | 52.6 | 5514 |
| 36-47 months | 22.1 | 22.5 | 54.7 | 0.7 | 100.0 | 49.6 | 5818 |
| 48-59 months | 23.1 | 22.9 | 53.4 | 0.5 | 100.0 | 50.2 | 5856 |

Table DQ.16: Observation of birth certificates (continued)

Percent distribution of children under 5 by presence of birth certificates, and percentage of birth certificates seen, Nigeria, 2016-17

| | Child has birth certificate | | Child does not have birth certificate | Missing/ Don't know | Total | Percentage of birth certificates seen by the interviewer (1)/(1+2)*100 | Number of children under age 5 |
|--------------|-----------------------------|---------------------------------|---------------------------------------|---------------------|--------------|--|--------------------------------|
| | Seen by the interviewer (1) | Not seen by the interviewer (2) | | | | | |
| Total | 23.0 | 20.2 | 56.3 | 0.4 | 100.0 | 53.3 | 28085 |
| State | | | | | | | |
| Abia | 28.8 | 45.2 | 25.5 | 0.4 | 100.0 | 38.9 | 224 |
| Adamawa | 36.8 | 23.9 | 38.6 | 0.6 | 100.0 | 60.6 | 624 |
| Akwa Ibom | 30.2 | 26.6 | 42.9 | 0.3 | 100.0 | 53.2 | 600 |
| Anambra | 70.8 | 21.9 | 6.9 | 0.5 | 100.0 | 76.4 | 383 |
| Bauchi | 15.3 | 7.8 | 76.9 | 0.0 | 100.0 | 66.3 | 1524 |
| Bayelsa | 17.1 | 26.6 | 56.4 | 0.0 | 100.0 | 39.1 | 177 |
| Benue | 22.4 | 15.7 | 61.0 | 1.0 | 100.0 | 58.8 | 697 |
| Borno | 22.8 | 26.3 | 50.9 | 0.1 | 100.0 | 46.4 | 1851 |
| Cross River | 19.1 | 24.3 | 56.7 | 0.0 | 100.0 | 43.9 | 393 |
| Delta | 27.3 | 33.1 | 39.2 | 0.4 | 100.0 | 45.2 | 409 |
| Ebonyi | 33.8 | 38.9 | 26.7 | 0.6 | 100.0 | 46.5 | 271 |
| Edo | 55.6 | 29.3 | 14.7 | 0.2 | 100.0 | 65.5 | 281 |
| Ekiti | 35.7 | 38.2 | 26.2 | 0.0 | 100.0 | 48.3 | 125 |
| Enugu | 38.5 | 34.6 | 26.1 | 0.5 | 100.0 | 52.7 | 268 |
| Gombe | 14.4 | 12.8 | 71.6 | 1.1 | 100.0 | 53.0 | 534 |
| Imo | 30.5 | 33.9 | 35.2 | 0.3 | 100.0 | 47.4 | 405 |
| Jigawa | 8.1 | 14.6 | 77.2 | 0.1 | 100.0 | 35.7 | 1399 |
| Kaduna | 26.4 | 26.0 | 47.3 | 0.3 | 100.0 | 50.4 | 1607 |
| Kano | 19.2 | 12.4 | 68.0 | 0.3 | 100.0 | 60.7 | 2325 |
| Katsina | 28.7 | 14.5 | 56.5 | 0.2 | 100.0 | 66.4 | 2066 |
| Kebbi | 15.8 | 11.8 | 72.2 | 0.1 | 100.0 | 57.4 | 935 |
| Kogi | 28.9 | 29.8 | 41.3 | 0.0 | 100.0 | 49.2 | 372 |
| Kwara | 30.7 | 32.6 | 36.5 | 0.1 | 100.0 | 48.4 | 358 |
| Lagos | 47.9 | 32.0 | 18.7 | 1.3 | 100.0 | 59.9 | 1054 |
| Nasarawa | 19.1 | 15.9 | 63.8 | 1.1 | 100.0 | 54.5 | 607 |
| Niger | 16.8 | 11.2 | 71.4 | 0.6 | 100.0 | 60.0 | 1270 |
| Ogun | 29.7 | 27.7 | 42.1 | 0.5 | 100.0 | 51.7 | 295 |
| Ondo | 28.2 | 33.1 | 38.4 | 0.3 | 100.0 | 46.0 | 408 |
| Osun | 31.8 | 35.6 | 32.0 | 0.6 | 100.0 | 47.2 | 342 |
| Oyo | 35.3 | 26.3 | 37.2 | 1.3 | 100.0 | 57.3 | 745 |
| Plateau | 23.3 | 19.1 | 56.3 | 1.3 | 100.0 | 54.9 | 1103 |
| Rivers | 30.9 | 32.9 | 35.9 | 0.3 | 100.0 | 48.4 | 412 |
| Sokoto | 5.7 | 22.2 | 71.7 | 0.5 | 100.0 | 20.3 | 975 |
| Taraba | 10.1 | 18.4 | 70.1 | 1.4 | 100.0 | 35.4 | 422 |
| Yobe | 6.8 | 7.5 | 85.5 | 0.2 | 100.0 | 47.9 | 1085 |
| Zamfara | 7.4 | 16.1 | 76.5 | 0.1 | 100.0 | 31.5 | 1328 |
| FCT Abuja | 46.5 | 23.6 | 29.9 | 0.0 | 100.0 | 66.3 | 209 |

Table DQ.17: Observation of vaccination cards

Percent distribution of children age 0-35 months by presence of a vaccination card, and the percentage of vaccination cards seen by the interviewers, Nigeria, 2016-17

| | Child has vaccination card | | | Total | Percentage of vaccination cards seen by the interviewer (1)/(1+2)*100 | Number of children age 0-35 months |
|--------------------|-----------------------------|---------------------------------|---------------------|--------------|---|------------------------------------|
| | Seen by the interviewer (1) | Not seen by the interviewer (2) | Missing/ Don't know | | | |
| Total | 28.2 | 19.9 | 0.3 | 100.0 | 58.7 | 16411 |
| State | | | | | | |
| Abia | 41.8 | 39.3 | 0.0 | 100.0 | 51.6 | 138 |
| Adamawa | 39.3 | 17.5 | 0.3 | 100.0 | 69.2 | 371 |
| Akwa Ibom | 46.7 | 28.7 | 0.0 | 100.0 | 62.0 | 356 |
| Anambra | 42.6 | 45.7 | 0.0 | 100.0 | 48.3 | 216 |
| Bauchi | 20.5 | 21.4 | 0.0 | 100.0 | 49.0 | 900 |
| Bayelsa | 41.2 | 22.7 | 0.0 | 100.0 | 64.4 | 98 |
| Benue | 41.6 | 20.4 | 0.0 | 100.0 | 67.1 | 378 |
| Borno | 28.8 | 32.2 | 0.0 | 100.0 | 47.2 | 1034 |
| Cross River | 49.3 | 37.3 | 1.0 | 100.0 | 56.9 | 230 |
| Delta | 53.5 | 22.5 | 0.7 | 100.0 | 70.4 | 243 |
| Ebonyi | 46.4 | 29.3 | 0.0 | 100.0 | 61.3 | 166 |
| Edo | 50.2 | 41.7 | 2.1 | 100.0 | 54.6 | 165 |
| Ekiti | 68.6 | 19.2 | 0.0 | 100.0 | 78.1 | 72 |
| Enugu | 50.4 | 34.0 | 0.9 | 100.0 | 59.7 | 160 |
| Gombe | 26.5 | 20.5 | 0.0 | 100.0 | 56.3 | 321 |
| Imo | 47.0 | 40.5 | 0.0 | 100.0 | 53.7 | 240 |
| Jigawa | 12.1 | 13.5 | 0.2 | 100.0 | 47.4 | 840 |
| Kaduna | 27.3 | 20.2 | 0.2 | 100.0 | 57.5 | 920 |
| Kano | 20.0 | 10.2 | 0.5 | 100.0 | 66.2 | 1396 |
| Katsina | 17.8 | 5.5 | 0.7 | 100.0 | 76.2 | 1247 |
| Kebbi | 11.4 | 7.9 | 0.0 | 100.0 | 59.0 | 536 |
| Kogi | 40.0 | 28.7 | 0.0 | 100.0 | 58.2 | 199 |
| Kwara | 20.3 | 46.8 | 0.0 | 100.0 | 30.3 | 192 |
| Lagos | 66.4 | 26.7 | 0.0 | 100.0 | 71.3 | 642 |
| Nasarawa | 30.6 | 17.9 | 0.7 | 100.0 | 63.1 | 347 |
| Niger | 20.9 | 11.1 | 0.0 | 100.0 | 65.3 | 772 |
| Ogun | 39.6 | 24.1 | 0.0 | 100.0 | 62.2 | 171 |
| Ondo | 43.8 | 39.8 | 0.7 | 100.0 | 52.4 | 244 |
| Osun | 49.2 | 36.4 | 0.0 | 100.0 | 57.5 | 214 |
| Oyo | 52.4 | 20.9 | 0.2 | 100.0 | 71.5 | 425 |
| Plateau | 29.1 | 27.4 | 0.0 | 100.0 | 51.5 | 613 |
| Rivers | 45.1 | 36.4 | 0.6 | 100.0 | 55.4 | 244 |
| Sokoto | 6.5 | 9.6 | 0.0 | 100.0 | 40.4 | 547 |
| Taraba | 19.8 | 16.6 | 0.4 | 100.0 | 54.4 | 249 |
| Yobe | 6.6 | 7.9 | 0.1 | 100.0 | 45.7 | 608 |
| Zamfara | 5.8 | 9.2 | 0.5 | 100.0 | 38.5 | 789 |
| FCT Abuja | 56.5 | 27.0 | 0.0 | 100.0 | 67.7 | 129 |
| Residence | | | | | | |
| Urban | 41.0 | 26.6 | 0.4 | 100.0 | 60.6 | 4981 |
| Rural | 22.7 | 17.0 | 0.2 | 100.0 | 57.2 | 11430 |
| Child's age | | | | | | |
| 0-5 months | 34.1 | 9.5 | 0.1 | 100.0 | 78.3 | 2723 |
| 6-11 months | 37.3 | 12.2 | 0.1 | 100.0 | 75.3 | 2640 |
| 12-23 months | 29.6 | 21.4 | 0.3 | 100.0 | 58.1 | 5535 |
| 24-35 months | 19.6 | 27.2 | 0.3 | 100.0 | 41.9 | 5514 |

Table DQ.18: Observation of women's health cards

Percent distribution of women with a live birth in the last 2 years by presence of a health card, and the percentage of health cards seen by the interviewers, Nigeria, 2016-17

| | Woman does not have health card | Woman has health card | | | DK/Missing | Total | Percent of health cards seen by the interviewer (1)/(1+2)*100 | Number of women with a live birth in the last two years |
|------------------|---------------------------------|-----------------------------|---------------------------------|------------|--------------|-------------|---|---|
| | | Seen by the interviewer (1) | Not seen by the interviewer (2) | | | | | |
| Total | 48.2 | 16.4 | 35.1 | 0.4 | 100.0 | 31.9 | 11547 | |
| State | | | | | | | | |
| Abia | 43.9 | 19.2 | 36.3 | 0.7 | 100.0 | 34.6 | 99 | |
| Adamawa | 26.8 | 33.0 | 38.3 | 1.8 | 100.0 | 46.3 | 264 | |
| Akwa Ibom | 28.8 | 40.1 | 31.1 | 0.0 | 100.0 | 56.4 | 228 | |
| Anambra | 10.6 | 39.1 | 50.3 | 0.0 | 100.0 | 43.7 | 140 | |
| Bauchi | 61.9 | 13.0 | 24.8 | 0.3 | 100.0 | 34.4 | 618 | |
| Bayelsa | 54.5 | 6.8 | 38.7 | 0.0 | 100.0 | 15.0 | 73 | |
| Benue | 57.8 | 11.0 | 30.5 | 0.8 | 100.0 | 26.5 | 271 | |
| Borno | 36.5 | 14.6 | 48.9 | 0.0 | 100.0 | 23.0 | 692 | |
| Cross River | 22.2 | 31.5 | 46.3 | 0.0 | 100.0 | 40.5 | 162 | |
| Delta | 28.6 | 24.0 | 47.4 | 0.0 | 100.0 | 33.6 | 173 | |
| Ebonyi | 26.6 | 29.6 | 43.1 | 0.6 | 100.0 | 40.7 | 111 | |
| Edo | 35.5 | 21.5 | 41.3 | 1.7 | 100.0 | 34.3 | 101 | |
| Ekiti | 29.0 | 21.9 | 46.5 | 2.6 | 100.0 | 32.0 | 54 | |
| Enugu | 30.2 | 11.0 | 58.3 | 0.4 | 100.0 | 15.9 | 105 | |
| Gombe | 45.7 | 12.0 | 39.2 | 3.0 | 100.0 | 23.5 | 236 | |
| Imo | 25.5 | 23.8 | 50.2 | 0.5 | 100.0 | 32.2 | 164 | |
| Jigawa | 39.7 | 11.8 | 47.6 | 0.8 | 100.0 | 19.9 | 595 | |
| Kaduna | 37.6 | 23.6 | 38.9 | 0.0 | 100.0 | 37.7 | 663 | |
| Kano | 60.1 | 14.4 | 24.9 | 0.6 | 100.0 | 36.6 | 1038 | |
| Katsina | 65.6 | 15.3 | 18.8 | 0.3 | 100.0 | 44.9 | 916 | |
| Kebbi | 67.6 | 6.0 | 26.0 | 0.4 | 100.0 | 18.6 | 398 | |
| Kogi | 35.0 | 15.1 | 48.2 | 1.8 | 100.0 | 23.8 | 133 | |
| Kwara | 43.9 | 16.3 | 39.8 | 0.0 | 100.0 | 29.1 | 115 | |
| Lagos | 17.5 | 30.2 | 52.3 | 0.0 | 100.0 | 36.6 | 429 | |
| Nasarawa | 47.5 | 11.9 | 40.4 | 0.2 | 100.0 | 22.7 | 244 | |
| Niger | 71.4 | 11.4 | 17.2 | 0.0 | 100.0 | 39.9 | 527 | |
| Ogun | 34.9 | 10.2 | 54.5 | 0.3 | 100.0 | 15.8 | 132 | |
| Ondo | 18.2 | 36.4 | 45.4 | 0.0 | 100.0 | 44.5 | 163 | |
| Osun | 23.8 | 8.4 | 67.8 | 0.0 | 100.0 | 11.0 | 161 | |
| Oyo | 38.7 | 9.4 | 51.9 | 0.0 | 100.0 | 15.4 | 322 | |
| Plateau | 54.6 | 14.7 | 30.7 | 0.0 | 100.0 | 32.4 | 392 | |
| Rivers | 38.3 | 13.7 | 48.0 | 0.0 | 100.0 | 22.2 | 163 | |
| Sokoto | 64.7 | 5.9 | 29.5 | 0.0 | 100.0 | 16.6 | 409 | |
| Taraba | 61.8 | 12.5 | 25.4 | 0.4 | 100.0 | 33.0 | 173 | |
| Yobe | 62.1 | 14.8 | 22.9 | 0.2 | 100.0 | 39.3 | 410 | |
| Zamfara | 64.1 | 12.8 | 23.1 | 0.0 | 100.0 | 35.7 | 583 | |
| FCT Abuja | 33.1 | 14.7 | 52.0 | 0.2 | 100.0 | 22.0 | 89 | |
| Residence | | | | | | | | |
| Urban | 30.4 | 23.2 | 46.1 | 0.4 | 100.0 | 33.5 | 3426 | |
| Rural | 55.7 | 13.6 | 30.4 | 0.4 | 100.0 | 30.8 | 8121 | |
| Age | | | | | | | | |
| 15-24 | 52.6 | 16.0 | 31.3 | 0.1 | 100.0 | 33.8 | 3289 | |
| 25-34 | 45.7 | 17.4 | 36.5 | 0.4 | 100.0 | 32.2 | 5561 | |
| 35-49 | 48.0 | 14.9 | 36.6 | 0.5 | 100.0 | 29.0 | 2697 | |

Table DQ.19: Observation of bednets and places for handwashing

Percentage of bednets in all households observed by the interviewers, and percent distribution of places for handwashing observed by the interviewers in all interviewed households, Nigeria, 2016-17

| | Percentage of bednets observed by interviewer | Total number of bednets | Place for handwashing | | | | Total | Number of households interviewed |
|------------------------------|---|-------------------------|-----------------------------------|----------------------|--------------|------------|--------------|----------------------------------|
| | | | Not observed | | | Observed | | |
| | | | Not in the dwelling, plot or yard | No permission to see | Other reason | | | |
| Total | 76.7 | 54839 | 22.5 | 7.8 | 3.0 | 1.4 | 100.0 | 33901 |
| State | | | | | | | | |
| Abia | 47.4 | 664 | 6.0 | 3.9 | 3.1 | 0.3 | 100.0 | 472 |
| Adamawa | 76.3 | 1179 | 23.6 | 15.0 | 2.5 | 1.2 | 100.0 | 735 |
| Akwa Ibom | 70.5 | 1208 | 17.0 | 12.2 | 4.2 | 0.2 | 100.0 | 844 |
| Anambra | 75.3 | 772 | 10.5 | 0.8 | 3.6 | 0.2 | 100.0 | 719 |
| Bauchi | 69.7 | 3336 | 28.4 | 1.6 | 1.7 | 0.2 | 100.0 | 1384 |
| Bayelsa | 48.6 | 315 | 10.1 | 7.7 | 1.7 | 0.6 | 100.0 | 308 |
| Benue | 82.5 | 2303 | 15.7 | 17.3 | 13.7 | 12.9 | 100.0 | 987 |
| Borno | 62.1 | 3532 | 30.4 | 16.8 | 1.3 | 0.1 | 100.0 | 1493 |
| Cross River | 84.1 | 1413 | 8.4 | 0.4 | 0.6 | 0.1 | 100.0 | 778 |
| Delta | 62.6 | 624 | 20.5 | 16.0 | 3.7 | 2.3 | 100.0 | 740 |
| Ebonyi | 95.1 | 1036 | 13.7 | 9.5 | 2.8 | 0.2 | 100.0 | 535 |
| Edo | 64.8 | 281 | 36.2 | 1.8 | 1.1 | 0.1 | 100.0 | 654 |
| Ekiti | 51.2 | 397 | 6.4 | 1.7 | 1.6 | 0.5 | 100.0 | 351 |
| Enugu | 88.3 | 357 | 14.7 | 0.2 | 1.1 | 0.0 | 100.0 | 610 |
| Gombe | 69.4 | 1271 | 36.6 | 13.7 | 3.1 | 3.3 | 100.0 | 529 |
| Imo | 69.2 | 785 | 20.4 | 1.9 | 2.1 | 0.4 | 100.0 | 796 |
| Jigawa | 84.2 | 3110 | 46.9 | 10.6 | 0.9 | 0.1 | 100.0 | 1147 |
| Kaduna | 71.1 | 2332 | 24.6 | 2.0 | 2.3 | 1.8 | 100.0 | 1646 |
| Kano | 82.7 | 4306 | 43.6 | 3.1 | 3.8 | 1.0 | 100.0 | 1894 |
| Katsina | 97.4 | 3680 | 31.9 | 1.2 | 3.8 | 0.8 | 100.0 | 1705 |
| Kebbi | 90.7 | 1784 | 10.2 | 15.5 | 3.1 | 1.1 | 100.0 | 838 |
| Kogi | 87.2 | 653 | 13.0 | 4.9 | 2.0 | 2.5 | 100.0 | 649 |
| Kwara | 62.4 | 220 | 15.6 | 20.6 | 3.2 | 0.4 | 100.0 | 639 |
| Lagos | 62.3 | 1294 | 31.9 | 1.4 | 3.6 | 0.1 | 100.0 | 1974 |
| Nasarawa | 74.8 | 1144 | 4.4 | 1.3 | 0.4 | 1.3 | 100.0 | 630 |
| Niger | 86.8 | 2286 | 26.6 | 14.7 | 2.4 | 0.6 | 100.0 | 1211 |
| Ogun | 60.6 | 445 | 10.7 | 5.7 | 2.6 | 0.6 | 100.0 | 608 |
| Ondo | 61.9 | 843 | 21.7 | 0.7 | 1.6 | 3.4 | 100.0 | 1025 |
| Osun | 61.5 | 754 | 15.8 | 0.8 | 0.7 | 0.4 | 100.0 | 916 |
| Oyo | 83.9 | 2391 | 18.7 | 0.4 | 1.0 | 2.6 | 100.0 | 1470 |
| Plateau | 75.7 | 1883 | 13.8 | 11.8 | 3.1 | 1.3 | 100.0 | 1051 |
| Rivers | 58.6 | 700 | 19.1 | 4.2 | 3.9 | 0.2 | 100.0 | 957 |
| Sokoto | 48.0 | 1524 | 4.1 | 31.6 | 10.9 | 5.3 | 100.0 | 820 |
| Taraba | 61.6 | 609 | 12.0 | 39.8 | 4.2 | 0.7 | 100.0 | 527 |
| Yobe | 75.2 | 2084 | 30.1 | 2.9 | 2.5 | 1.3 | 100.0 | 914 |
| Zamfara | 91.4 | 3152 | 12.6 | 17.3 | 2.7 | 0.5 | 100.0 | 1078 |
| FCT Abuja | 63.6 | 173 | 24.7 | 7.5 | 4.1 | 0.9 | 100.0 | 270 |
| Residence | | | | | | | | |
| Urban | 72.5 | 16131 | 28.6 | 5.2 | 3.2 | 0.9 | 100.0 | 12421 |
| Rural | 78.4 | 38708 | 18.9 | 9.3 | 2.9 | 1.6 | 100.0 | 21480 |
| Wealth index quintile | | | | | | | | |
| Poorest | 81.0 | 11768 | 19.1 | 12.3 | 3.5 | 1.9 | 100.0 | 5592 |
| Second | 80.2 | 12007 | 18.0 | 11.3 | 3.5 | 2.4 | 100.0 | 6328 |
| Middle | 76.9 | 11318 | 17.4 | 8.2 | 2.1 | 1.3 | 100.0 | 6897 |
| Fourth | 72.8 | 10420 | 20.0 | 5.9 | 2.4 | 0.9 | 100.0 | 7259 |
| Richest | 70.9 | 9326 | 35.3 | 3.3 | 3.8 | 0.6 | 100.0 | 7825 |

Table DQ.19A Water quality

| Percentage of blank tests with E.coli detected, Nigeria, 2016-2017 | | | |
|--|----------------------|-----|-----------------------|
| | Positive blank tests | | Number of blank tests |
| Total | | 1.5 | 1020 |
| Residence | | | |
| Urban | | 0.9 | 337 |
| Rural | | 1.8 | 683 |

Table DQ.20: Respondent to the under-5 questionnaire

| Distribution of children under five by respondent to the under-5 questionnaire, Nigeria, 2016-17 | | | | | | |
|--|-------------------------|---|--------------------|------------------|--------------|----------------------------|
| | Mother in the household | Mother not in the household and primary caretaker identified: | | | Total | Number of children under 5 |
| | | Father | Other adult female | Other adult male | | |
| Total | 95.5 | 0.57 | 3.40 | 0.52 | 100.0 | 31299 |
| Age | | | | | | |
| 0 | 99.1 | 0.10 | 0.71 | 0.06 | 100.0 | 6101 |
| 1 | 97.9 | 0.31 | 1.55 | 0.21 | 100.0 | 6139 |
| 2 | 95.1 | 0.74 | 3.69 | 0.47 | 100.0 | 6145 |
| 3 | 93.3 | 0.97 | 5.04 | 0.65 | 100.0 | 6495 |
| 4 | 92.3 | 0.68 | 5.80 | 1.18 | 100.0 | 6418 |

Table DQ.22: School attendance by single age

Distribution of household population age 5-24 years by educational level and grade attended in the current (or most recent) school year, Nigeria, 2016-17

| Age at beginning of school year | Not attending school | Currently attending | | | | | | | | | | | | | | Higher than secondary | Non-formal | Missing/Don't know | Total | Number of household members |
|---------------------------------|----------------------|---------------------|----------------------|------|------|------|------|------------------------|-----|------|------|------|------|------|------|-----------------------|------------|--------------------|-------|-----------------------------|
| | | Preschool | Primary school Grade | | | | | Secondary school Grade | | | | | | | | | | | | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | | | | | | |
| 5 | 35.9 | 31.8 | 17.5 | 3.3 | 0.5 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.9 | 0.02 | 100.0 | 5960 |
| 6 | 28.4 | 16.7 | 17.9 | 21.4 | 1.9 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.6 | 0.01 | 100.0 | 6468 |
| 7 | 23.5 | 7.2 | 11.8 | 27.2 | 15.2 | 2.5 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.3 | 0.01 | 100.0 | 6126 |
| 8 | 21.1 | 3.9 | 6.0 | 19.8 | 20.8 | 14.5 | 1.6 | 0.6 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 | 0.07 | 100.0 | 6077 |
| 9 | 16.3 | 1.6 | 2.8 | 12.4 | 19.5 | 20.3 | 13.5 | 2.2 | 0.8 | 0.3 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 10.7 | 0.05 | 100.0 | 4856 |
| 10 | 21.3 | 1.0 | 2.6 | 6.6 | 12.1 | 14.8 | 13.7 | 9.4 | 3.9 | 0.9 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.6 | 0.00 | 100.0 | 6148 |
| 11 | 16.3 | 0.5 | 1.0 | 3.8 | 7.1 | 10.3 | 14.0 | 16.3 | 9.7 | 9.2 | 1.4 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 10.4 | 0.07 | 100.0 | 3972 |
| 12 | 21.5 | 0.4 | 0.5 | 2.5 | 4.7 | 7.1 | 9.4 | 13.5 | 9.3 | 12.1 | 5.7 | 0.9 | 0.2 | 0.1 | 0.0 | 0.0 | 12.6 | 0.00 | 100.0 | 5465 |
| 13 | 21.1 | 0.2 | 0.2 | 1.3 | 2.8 | 4.1 | 6.1 | 10.9 | 8.9 | 15.0 | 13.0 | 5.7 | 1.1 | 0.0 | 0.0 | 0.0 | 10.8 | 0.04 | 100.0 | 4487 |
| 14 | 22.6 | 0.2 | 0.1 | 0.5 | 1.8 | 2.6 | 4.1 | 6.2 | 5.1 | 14.8 | 13.8 | 11.1 | 6.6 | 1.0 | 0.0 | 0.0 | 10.0 | 0.03 | 100.0 | 4476 |
| 15 | 29.9 | 0.1 | 0.1 | 0.4 | 1.0 | 1.3 | 1.5 | 3.9 | 3.6 | 9.1 | 11.7 | 12.4 | 9.7 | 5.2 | 0.1 | 0.0 | 10.6 | 0.02 | 100.0 | 3909 |
| 16 | 32.4 | 0.0 | 0.0 | 0.2 | 0.4 | 0.7 | 1.3 | 1.7 | 2.2 | 5.6 | 10.0 | 12.2 | 14.5 | 12.1 | 0.5 | 0.0 | 6.5 | 0.00 | 100.0 | 3531 |
| 17 | 45.8 | 0.0 | 0.1 | 0.3 | 0.2 | 0.6 | 0.7 | 1.1 | 0.8 | 3.8 | 5.0 | 7.2 | 10.5 | 15.4 | 1.6 | 0.0 | 7.1 | 0.05 | 100.0 | 2987 |
| 18 | 56.4 | 0.1 | 0.1 | 0.3 | 0.1 | 0.3 | 0.3 | 0.8 | 0.6 | 2.0 | 3.4 | 4.7 | 7.5 | 13.4 | 3.9 | 0.0 | 6.8 | 0.05 | 100.0 | 3355 |
| 19 | 62.5 | 0.0 | 0.0 | 0.3 | 0.1 | 0.2 | 0.2 | 0.6 | 0.4 | 0.7 | 2.2 | 3.2 | 4.7 | 13.5 | 7.4 | 0.0 | 4.8 | 0.00 | 100.0 | 2319 |
| 20 | 73.7 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.1 | 0.6 | 0.1 | 0.7 | 1.3 | 1.3 | 1.9 | 6.3 | 6.2 | 0.0 | 7.5 | 0.00 | 100.0 | 4043 |
| 21 | 72.2 | 0.0 | 0.0 | 0.3 | 0.1 | 0.1 | 0.0 | 0.3 | 0.3 | 0.6 | 0.8 | 1.1 | 1.2 | 6.3 | 14.6 | 0.0 | 2.2 | 0.00 | 100.0 | 1879 |
| 22 | 76.9 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.3 | 0.5 | 0.1 | 0.3 | 0.5 | 0.7 | 1.0 | 5.0 | 10.6 | 0.0 | 4.1 | 0.03 | 100.0 | 2282 |
| 23 | 76.7 | 0.0 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.3 | 0.5 | 0.8 | 1.4 | 3.3 | 11.7 | 0.0 | 4.1 | 0.00 | 100.0 | 2021 |
| 24 ^a | 78.9 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.2 | 0.3 | 0.3 | 2.9 | 12.5 | 0.0 | 4.6 | 0.00 | 100.0 | 1702 |

^a Those age 25 at the time of interview who were age 24 at beginning of school year are excluded as current attendance was only collected for those age 5-24 at the time of interview

Table DQ.23: Sex ratio at birth among children ever born and living

Sex ratio (number of males per 100 females) among children ever born (at birth), children living, and deceased children, by age of women, Nigeria, 2016-17

| | Children Ever Born | | | Children Living | | | Children Deceased | | | Number of women |
|--------------|--------------------|--------------|--------------------|-----------------|--------------|-------------|-------------------|-------------|-------------|-----------------|
| | Sons | Daughters | Sex ratio at birth | Sons | Daughters | Sex ratio | Sons | Daughters | Sex ratio | |
| Total | 53800 | 50989 | 1.06 | 45931 | 44394 | 1.03 | 7869 | 6595 | 1.19 | 34376 |
| Age | | | | | | | | | | |
| 15-19 | 731 | 710 | 1.03 | 618 | 638 | .97 | 113 | 72 | 1.57 | 6822 |
| 20-24 | 3850 | 3649 | 1.06 | 3381 | 3277 | 1.03 | 469 | 372 | 1.26 | 5816 |
| 25-29 | 8135 | 7791 | 1.04 | 7126 | 6962 | 1.02 | 1009 | 830 | 1.22 | 5915 |
| 30-34 | 11050 | 10322 | 1.07 | 9625 | 9131 | 1.05 | 1425 | 1192 | 1.20 | 5390 |
| 35-39 | 11273 | 10916 | 1.03 | 9525 | 9493 | 1.00 | 1748 | 1423 | 1.23 | 4339 |
| 40-44 | 10610 | 10038 | 1.06 | 9014 | 8641 | 1.04 | 1596 | 1397 | 1.14 | 3571 |
| 45-49 | 8150 | 7561 | 1.08 | 6641 | 6252 | 1.06 | 1509 | 1310 | 1.15 | 2524 |

Table DQ.24: Births by periods preceding the survey

Number of births, sex ratio at birth, and period ratio by periods preceding the survey, according to living, deceased, and total children (imputed), as reported in the birth histories, Nigeria, 2016-17

| | Number of births | | | Percent with complete birth date ^a | | | Sex ratio at birth ^b | | | Period ratio ^c | | |
|--------------------------|------------------|--------------|---------------|---|-------------|-------------|---------------------------------|--------------|--------------|---------------------------|-----------|-----------|
| | Living | Deceased | Total | Living | Deceased | Total | Living | Deceased | Total | Living | Deceased | Total |
| Total | 90266 | 14523 | 104789 | 92.2 | 77.5 | 90.2 | 103.5 | 118.7 | 105.5 | na | na | na |
| Years | | | | | | | | | | | | |
| 0 | 5475 | 299 | 5775 | 98.5 | 86.0 | 97.9 | 100.1 | 130.5 | 101.4 | na | na | na |
| 1 | 5540 | 421 | 5962 | 97.2 | 86.9 | 96.5 | 99.1 | 132.6 | 101.1 | 101.9 | 87.9 | 100.8 |
| 2 | 5394 | 660 | 6054 | 95.8 | 81.3 | 94.2 | 108.3 | 110.3 | 108.5 | 96.5 | 117.3 | 98.4 |
| 3 | 5635 | 704 | 6339 | 95.6 | 81.9 | 94.1 | 98.6 | 99.7 | 98.8 | 102.7 | 103.2 | 102.8 |
| 4 | 5578 | 705 | 6283 | 95.0 | 79.8 | 93.3 | 102.3 | 129.5 | 105.0 | 103.6 | 100.9 | 103.3 |
| 5 | 5131 | 693 | 5824 | 91.7 | 78.9 | 90.1 | 103.7 | 112.2 | 104.7 | 94.5 | 91.0 | 94.0 |
| 6 | 5287 | 818 | 6105 | 92.3 | 76.2 | 90.1 | 98.3 | 116.6 | 100.6 | 104.7 | 121.8 | 106.7 |
| 7 | 4972 | 650 | 5622 | 90.8 | 75.1 | 88.9 | 109.0 | 123.4 | 110.6 | 96.7 | 83.5 | 95.0 |
| 8 | 4996 | 739 | 5735 | 91.0 | 78.9 | 89.4 | 97.3 | 105.8 | 98.4 | 114.7 | 117.0 | 115.0 |
| 9 | 3738 | 614 | 4352 | 92.4 | 75.5 | 90.0 | 105.6 | 125.4 | 108.1 | 17.2 | 13.7 | 16.6 |
| 10+ | 38520 | 8219 | 46739 | 89.7 | 76.1 | 87.3 | 105.6 | 120.4 | 108.0 | na | na | na |
| Five-year periods | | | | | | | | | | | | |
| 0-4 | 27622 | 2789 | 30411 | 96.4 | 82.4 | 95.1 | 101.6 | 117.2 | 102.9 | na | na | na |
| 5-9 | 24124 | 3515 | 27639 | 91.6 | 77.0 | 89.7 | 102.5 | 116.0 | 104.1 | na | na | na |
| 10-14 | 18469 | 3001 | 21470 | 90.9 | 78.0 | 89.1 | 99.1 | 130.4 | 103.0 | na | na | na |
| 15-19 | 10775 | 2547 | 13323 | 89.3 | 75.8 | 86.7 | 111.8 | 116.4 | 112.7 | na | na | na |
| 20+ | 9276 | 2670 | 11946 | 87.7 | 74.4 | 84.8 | 112.1 | 113.6 | 112.5 | na | na | na |

na: not applicable

^a Both month and year of birth given. The inverse of the percent reported is the percent with incomplete and therefore imputed date of birth^b $(B_m/B_f) \times 100$, where B_m and B_f are the numbers of male and female births, respectively^c $(2 \times B_t/(B_{t-1} + B_{t+1})) \times 100$, where B_t is the number of births in year t preceding the survey

Table DQ.25: 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, by 5-year periods preceding the survey (imputed), Nigeria, 2016-17

| | Number of years preceding the survey | | | | Total (0–19) |
|-------------------------------------|--------------------------------------|-------|-------|-------|-----------------|
| | 0–4 | 5–9 | 10–14 | 15–19 | |
| Age at death (days) | | | | | |
| 0 | 297 | 201 | 143 | 135 | 776 |
| 1 | 299 | 228 | 170 | 82 | 779 |
| 2 | 113 | 93 | 87 | 63 | 356 |
| 3 | 78 | 89 | 84 | 52 | 304 |
| 4 | 64 | 51 | 49 | 39 | 204 |
| 5 | 47 | 51 | 33 | 24 | 155 |
| 6 | 36 | 37 | 37 | 26 | 136 |
| 7 | 58 | 43 | 25 | 31 | 156 |
| 8 | 20 | 34 | 14 | 9 | 77 |
| 9 | 18 | 27 | 17 | 19 | 80 |
| 10 | 24 | 18 | 17 | 11 | 70 |
| 11 | 3 | 4 | 4 | 6 | 17 |
| 12 | 18 | 5 | 15 | 6 | 43 |
| 13 | 2 | 13 | 12 | 7 | 35 |
| 14 | 23 | 36 | 26 | 44 | 130 |
| 15 | 6 | 8 | 19 | 9 | 42 |
| 16 | 3 | 9 | 4 | 2 | 17 |
| 17 | 5 | 5 | 3 | 1 | 14 |
| 18 | 2 | 1 | 2 | 6 | 12 |
| 19 | 2 | 2 | 2 | 6 | 12 |
| 20 | 6 | 10 | 13 | 11 | 40 |
| 21 | 18 | 17 | 10 | 11 | 56 |
| 22 | 1 | 1 | 2 | 4 | 7 |
| 23 | 5 | 5 | 0 | | 11 |
| 24 | 2 | 3 | 1 | 2 | 7 |
| 25 | 6 | 3 | 5 | 4 | 17 |
| 26 | 1 | 3 | 0 | 3 | 6 |
| 27 | 4 | 1 | 1 | 0 | 7 |
| 28 | 2 | 1 | 2 | 3 | 8 |
| 29 | 2 | 4 | 1 | 0 | 7 |
| 30 | 5 | 5 | 8 | 10 | 28 |
| Total 0–30 days | 1,169 | 1,008 | 805 | 627 | 3,609 |
| Percent early neonatal ^a | 79.8 | 74.5 | 75.0 | 67.3 | 75.1 |

^a Deaths during the first 7 days (0-6), divided by deaths during the first month (0-30 days)

Table DQ.26: 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 the 5-year periods of birth preceding the survey (imputed), Nigeria, 2016-17

| | Number of years preceding the survey | | | | Total (0-19) |
|-------------------------------|--------------------------------------|-------|-------|-------|-----------------|
| | 0-4 | 5-9 | 10-14 | 15-19 | |
| Age at death (months) | | | | | |
| 0 ^a | 1,169 | 1,008 | 805 | 627 | 3,609 |
| 1 | 115 | 133 | 106 | 77 | 430 |
| 2 | 112 | 126 | 90 | 107 | 436 |
| 3 | 91 | 108 | 89 | 82 | 371 |
| 4 | 62 | 100 | 55 | 52 | 269 |
| 5 | 68 | 63 | 56 | 57 | 244 |
| 6 | 67 | 84 | 60 | 48 | 259 |
| 7 | 66 | 78 | 62 | 54 | 259 |
| 8 | 68 | 82 | 72 | 53 | 275 |
| 9 | 82 | 92 | 72 | 51 | 297 |
| 10 | 36 | 61 | 47 | 37 | 180 |
| 11 | 47 | 47 | 50 | 51 | 195 |
| 12 | 138 | 189 | 174 | 101 | 603 |
| 13 | 24 | 24 | 24 | 10 | 82 |
| 14 | 18 | 25 | 26 | 22 | 92 |
| 15 | 19 | 26 | 37 | 22 | 104 |
| 16 | 16 | 17 | 10 | 9 | 53 |
| 17 | 16 | 31 | 21 | 10 | 78 |
| 18 | 22 | 42 | 52 | 28 | 143 |
| 19 | 20 | 16 | 13 | 11 | 61 |
| 20 | 17 | 10 | 13 | 16 | 56 |
| 21 | 8 | 8 | 6 | 5 | 27 |
| 22 | 1 | 8 | 6 | 10 | 25 |
| 23 | 6 | 14 | 14 | 5 | 39 |
| Total 0-11 months | 1,984 | 1,981 | 1,562 | 1,297 | 6,824 |
| Percent neonatal ^b | 59.0 | 50.9 | 51.5 | 48.3 | 52.9 |

^a Includes deaths under one month reported in days

^b Deaths under one month, divided by deaths under one year

Appendix E. Nigeria, 2016-17 Indicators: Numerators and Denominators

| MICS INDICATOR ^[M] | Module | Numerator | Denominator | MDG Indicator Reference |
|-------------------------------|------------------------------|-----------|--|-------------------------|
| MORTALITY | | | | |
| 1.1 | Neonatal mortality rate | BH | Probability of dying within the first month of life | |
| 1.2 | Infant mortality rate | CM - BH | Probability of dying between birth and the first birthday | MDG 4.2 |
| 1.3 | Post-neonatal mortality rate | BH | Difference between infant and neonatal mortality rates | |
| 1.4 | Child mortality rate | BH | Probability of dying between the first and the fifth birthdays | |
| 1.5 | Under-five mortality rate | CM - BH | Probability of dying between birth and the fifth birthday | MDG 4.1 |

| | | | | |
|------------------|-------------------------|----|--|---|
| NUTRITION | | | | |
| 2.1a 2.1b | Underweight prevalence | AN | Number of children under age 5 who fall below (a) minus two standard deviations (moderate and severe) (b) minus three standard deviations (severe) of the median weight for age of the WHO standard | Total number of children under age 5 MDG 1.8 |
| 2.2a 2.2b | Stunting prevalence | AN | Number of children under age 5 who fall below (a) minus two standard deviations (moderate and severe) (b) below minus three standard deviations (severe) of the median height for age of the WHO standard | Total number of children under age 5 |
| 2.3a 2.3b | Wasting prevalence | AN | Number of children under age 5 who fall below (a) minus two standard deviations (moderate and severe) (b) minus three standard deviations (severe) of the median weight for height of the WHO standard | Total number of children under age 5 |
| 2.4 | Overweight prevalence | AN | Number of children under age 5 who are above two standard deviations of the median weight for height of the WHO standard | Total number of children under age 5 |
| 2.5 | Children ever breastfed | MN | Number of women with a live birth in the last 2 years who breastfed their last live-born child at any time | Total number of women with a live birth in the last 2 years |

| | | | | | |
|------|---|----|---|---|--|
| 2.6 | Early initiation of breastfeeding | MN | Number of women with a live birth in the last 2 years who put their last newborn to the breast within one hour of birth | Total number of women with a live birth in the last 2 years | |
| 2.7 | Exclusive breastfeeding under 6 months | BD | Number of infants under 6 months of age who are exclusively breastfed | Total number of infants under 6 months of age | |
| 2.8 | Predominant breastfeeding under 6 months | BD | Number of infants under 6 months of age who received breast milk as the predominant source of nourishment during the previous day | Total number of infants under 6 months of age | |
| 2.9 | Continued breastfeeding at 1 year | BD | Number of children age 12-15 months who received breast milk during the previous day | Total number of children age 12-15 months | |
| 2.10 | Continued breastfeeding at 2 years | BD | Number of children age 20-23 months who received breast milk during the previous day | Total number of children age 20-23 months | |
| 2.11 | Duration of breastfeeding | BD | The age in months when 50 percent of children age 0-35 months did not receive breast milk during the previous day | | |
| 2.12 | Age-appropriate breastfeeding | BD | Number of children age 0-23 months appropriately fed during the previous day | Total number of children age 0-23 months | |
| 2.13 | Introduction of solid, semi-solid or soft foods | BD | Number of infants age 6-8 months who received solid, semi-solid or soft foods during the previous day | Total number of infants age 6-8 months | |
| 2.14 | Milk feeding frequency for non-breastfed children | BD | Number of non-breastfed children age 6-23 months who received at least 2 milk feedings during the previous day | Total number of non-breastfed children age 6-23 months | |
| 2.15 | Minimum meal frequency | BD | Number of children age 6-23 months who received solid, semi-solid and soft foods (plus milk feeds for non-breastfed children) the minimum number of times or more during the previous day | Total number of children age 6-23 months | |

| | | | | | |
|----------------|---------------------------|----|---|--|--|
| 2.16 | Minimum dietary diversity | BD | Number of children age 6–23 months who received foods from 4 or more food groups during the previous day | Total number of children age 6–23 months | |
| 2.17a 2.17b | Minimum acceptable diet | BD | (a) Number of breastfed children age 6–23 months who had at least the minimum dietary diversity and the minimum meal frequency during the previous day (b) Number of non-breastfed children age 6–23 months who received at least 2 milk feedings and had at least the minimum dietary diversity not including milk feeds and the minimum meal frequency during the previous day | (a) Number of breastfed children age 6–23 months (b) Number of non-breastfed children age 6–23 months | |
| 2.18 | Bottle feeding | BD | Number of children age 0-23 months who were fed with a bottle during the previous day | Total number of children age 0-23 months | |
| 2.19 | Iodized salt consumption | SI | Number of households with salt testing 15 parts per million or more of iodide/iodate | Total number of households in which salt was tested or where there was no salt | |
| 2.20 | Low-birthweight infants | MN | Number of most recent live births in the last 2 years weighing below 2,500 grams at birth | Total number of most recent live births in the last 2 years | |
| 2.21 | Infants weighed at birth | MN | Number of most recent live births in the last 2 years who were weighed at birth | Total number of most recent live births in the last 2 years | |

CHILD HEALTH

| | | | | | |
|-----|---|----|--|---|---------|
| 3.1 | Tuberculosis immunization coverage | IM | Number of children age 12-23 months who received BCG vaccine by their first birthday | Total number of children age 12-23 months | |
| 3.2 | Polio immunization coverage | IM | Number of children age 12-23 months who received the third dose of OPV vaccine (OPV3) by their first birthday | Total number of children age 12-23 months | |
| 3.3 | Diphtheria, pertussis and tetanus (DPT) immunization coverage | IM | Number of children age 12-23 months who received the third dose of DPT vaccine (DPT3) by their first birthday | Total number of children age 12-23 months | |
| 3.4 | Measles immunization coverage | IM | Number of children age 12-23 months who received measles vaccine by their first birthday | Total number of children age 12-23 months | MDG 4.3 |
| 3.5 | Hepatitis B immunization coverage | IM | Number of children age 12-23 months who received the third dose of Hepatitis B vaccine (HepB3) by their first birthday | Total number of children age 12-23 months | |
| 3.6 | Haemophilus influenzae type B (Hib) immunization coverage | IM | Number of children age 12-23 months who received the third dose of Hib vaccine (Hib3) by their first birthday | Total number of children age 12-23 months | |
| 3.7 | Yellow fever immunization coverage | IM | Number of children age 12-23 months who received yellow fever vaccine by their first birthday | Total number of children age 12-23 months | |

| | | | | | |
|----------------|---|---------|---|---|---------|
| 3.8 | Full immunization coverage | IM | Number of children age 12-23 months who received all vaccinations recommended in the national immunization schedule by their first birthday | Total number of children age 12-23 months | |
| 3.9 | Neonatal tetanus protection | MN | Number of women age 15-49 years with a live birth in the last 2 years who were given at least two doses of tetanus toxoid vaccine within the appropriate interval prior to the most recent birth | Total number of women age 15-49 years with a live birth in the last 2 years | |
| 3.10 | Care-seeking for diarrhoea | CA | Number of children under age 5 with diarrhoea in the last 2 weeks for whom advice or treatment was sought from a health facility or provider | Total number of children under age 5 with diarrhoea in the last 2 weeks | |
| 3.11 | Diarrhoea treatment with oral rehydration salts (ORS) and zinc | CA | Number of children under age 5 with diarrhoea in the last 2 weeks who received ORS and zinc | Total number of children under age 5 with diarrhoea in the last 2 weeks | |
| 3.12 | Diarrhoea treatment with oral rehydration therapy (ORT) and continued feeding | CA | Number of children under age 5 with diarrhoea in the last 2 weeks who received ORT (ORS packet, pre-packaged ORS fluid, recommended homemade fluid or increased fluids) and continued feeding during the episode of diarrhoea | Total number of children under age 5 with diarrhoea in the last 2 weeks | |
| 3.13 | Care-seeking for children with acute respiratory infection (ARI) symptoms | CA | Number of children under age 5 with ARI symptoms in the last 2 weeks for whom advice or treatment was sought from a health facility or provider | Total number of children under age 5 with ARI symptoms in the last 2 weeks | |
| 3.14 | Antibiotic treatment for children with ARI symptoms | CA | Number of children under age 5 with ARI symptoms in the last 2 weeks who received antibiotics | Total number of children under age 5 with ARI symptoms in the last 2 weeks | |
| 3.15 | Use of solid fuels for cooking | HC | Number of household members in households that use solid fuels as the primary source of domestic energy to cook | Total number of household members | |
| 3.16a 3.16b | Household availability of insecticide-treated nets (ITNs) | TN | Number of households with (a) at least one ITN (b) at least one ITN for every two people | Total number of households | |
| 3.17a 3.17b | Household vector control | TN - IR | Number of households (a) with at least one ITN or that have been sprayed by IRS in the last 12 months (b) with at least one ITN for every two people or that have been sprayed by IRS in the last 12 months | Total number of households | |
| 3.18 | Children under age 5 who slept under an ITN | TN | Number of children under age 5 who slept under an ITN the previous night | Total number of children under age 5 who spent the previous night in the interviewed households | MDG 6.7 |

| | | | | | |
|------|--|---------|--|--|---------|
| 3.19 | Population that slept under an ITN | TN | Number of household members who slept under an ITN the previous night | Total number of household members who spent the previous night in the interviewed households | |
| 3.20 | Care-seeking for fever | CA | Number of children under age 5 with fever in the last 2 weeks for whom advice or treatment was sought from a health facility or provider | Total number of children under age 5 with fever in the last 2 weeks | |
| 3.21 | Malaria diagnostics usage | CA | Number of children under age 5 with fever in the last 2 weeks who had a finger or heel stick for malaria testing | Total number of children under age 5 with fever in the last 2 weeks | |
| 3.22 | Anti-malarial treatment of children under age 5 | CA | Number of children under age 5 with fever in the last 2 weeks who received any antimalarial treatment | Total number of children under age 5 with fever in the last 2 weeks | MDG 6.8 |
| 3.23 | Treatment with Artemisinin-based Combination Therapy (ACT) among children who received anti-malarial treatment | CA | Number of children under age 5 with fever in the last 2 weeks who received ACT (or other first-line treatment according to national policy) | Total number of children under age 5 with fever in the last 2 weeks who received any anti-malarial drugs | |
| 3.24 | Pregnant women who slept under an ITN | TN – CP | Number of pregnant women who slept under an ITN the previous night | Total number of pregnant women | |
| 3.25 | Intermittent preventive treatment for malaria during pregnancy | MN | Number of women age 15-49 years who received three or more doses of SP/Fansidar, at least one of which was received during an ANC visit, to prevent malaria during their last pregnancy that led to a live birth in the last 2 years | Total number of women age 15-49 years with a live birth in the last 2 years | |

| WATER AND SANITATION | | | | | |
|----------------------|---|----|---|---|---------|
| 4.1 | Use of improved drinking water sources | WS | Number of household members using improved sources of drinking water | Total number of household members | MDG 7.8 |
| 4.2 | Water treatment | WS | Number of household members in households using unimproved drinking water who use an appropriate treatment method | Total number of household members in households using unimproved drinking water sources | |
| 4.3 | Use of improved sanitation | WS | Number of household members using improved sanitation facilities which are not shared | Total number of household members | MDG 7.9 |
| 4.4 | Safe disposal of child's faeces | CA | Number of children age 0-2 years whose last stools were disposed of safely | Total number of children age 0-2 years | |
| 4.5 | Place for handwashing | HW | Number of households with a specific place for hand washing where water and soap or other cleansing agent are present | Total number of households | |
| 4.6 | Availability of soap or other cleansing agent | HW | Number of households with soap or other cleansing agent | Total number of households | |

| REPRODUCTIVE HEALTH | | | | | |
|---------------------|-------------------------------|---------|--|---|---------|
| 5.1 | Adolescent birth rate | CM - BH | Age-specific fertility rate for women age 15-19 years | | MDG 5.4 |
| 5.2 | Early childbearing | CM - BH | Number of women age 20-24 years who had at least one live birth before age 18 | Total number of women age 20-24 years | |
| 5.3 | Contraceptive prevalence rate | CP | Number of women age 15-49 years currently married or in union who are using (or whose partner is using) a (modern or traditional) contraceptive method | Total number of women age 15-49 years who are currently married or in union | MDG 5.3 |
| 5.4 | Unmet need | UN | Number of women age 15-49 years who are currently married or in union who are fecund and want to space their births or limit the number of children they have and who are not currently using contraception | Total number of women age 15-49 years who are currently married or in union | MDG 5.6 |
| 5.5a 5.5b | Antenatal care coverage | MN | Number of women age 15-49 years with a live birth in the last 2 years who were attended during their last pregnancy that led to a live birth (a) at least once by skilled health personnel (b) at least four times by any provider | Total number of women age 15-49 years with a live birth in the last 2 years | MDG 5.5 |
| 5.6 | Content of antenatal care | MN | Number of women age 15-49 years with a live birth in the last 2 years who had their blood pressure measured and gave urine and blood samples during the last pregnancy that led to a live birth | Total number of women age 15-49 years with a live birth in the last 2 years | |

| | | | | | |
|------|---|----|--|---|---------|
| 5.7 | Skilled attendant at delivery | MN | Number of women age 15-49 years with a live birth in the last 2 years who were attended by skilled health personnel during their most recent live birth | Total number of women age 15-49 years with a live birth in the last 2 years | MDG 5.2 |
| 5.8 | Institutional deliveries | MN | Number of women age 15-49 years with a live birth in the last 2 years whose most recent live birth was delivered in a health facility | Total number of women age 15-49 years with a live birth in the last 2 years | |
| 5.9 | Caesarean section | MN | Number of women age 15-49 years whose most recent live birth in the last 2 years was delivered by caesarean section | Total number of women age 15-49 years with a live birth in the last 2 years | |
| 5.10 | Post-partum stay in health facility | PN | Number of women age 15-49 years who stayed in the health facility for 12 hours or more after the delivery of their most recent live birth in the last 2 years | Total number of women age 15-49 years with a live birth in the last 2 years | |
| 5.11 | Post-natal health check for the newborn | PN | Number of last live births in the last 2 years who received a health check while in facility or at home following delivery, or a post-natal care visit within 2 days after delivery | Total number of last live births in the last 2 years | |
| 5.12 | Post-natal health check for the mother | PN | Number of women age 15-49 years who received a health check while in facility or at home following delivery, or a post-natal care visit within 2 days after delivery of their most recent live birth in the last 2 years | Total number of women age 15-49 years with a live birth in the last 2 years | |
| 5.13 | Maternal mortality ratio | MM | Deaths during pregnancy, childbirth, or within two months after delivery or termination of pregnancy, per 100,000 births within the 7-year period preceding the survey | | MDG5.1 |

| CHILD DEVELOPMENT | | | | | |
|-------------------|---|----|--|---|--|
| 6.1 | Attendance to early childhood education | EC | Number of children age 36-59 months who are attending an early childhood education programme | Total number of children age 36-59 months | |
| 6.2 | Support for learning | EC | Number of children age 36-59 months with whom an adult has engaged in four or more activities to promote learning and school readiness in the last 3 days | Total number of children age 36-59 months | |
| 6.3 | Father's support for learning | EC | Number of children age 36-59 months whose biological father has engaged in four or more activities to promote learning and school readiness in the last 3 days | Total number of children age 36-59 months | |
| 6.4 | Mother's support for learning | EC | Number of children age 36-59 months whose biological mother has engaged in four or more activities to promote learning and school readiness in the last 3 days | Total number of children age 36-59 months | |
| 6.5 | Availability of children's books | EC | Number of children under age 5 who have three or more children's books | Total number of children under age 5 | |
| 6.6 | Availability of playthings | EC | Number of children under age 5 who play with two or more types of playthings | Total number of children under age 5 | |

| | | | | | |
|-----|-------------------------------|----|---|---|--|
| 6.7 | Inadequate care | EC | Number of children under age 5 left alone or in the care of another child younger than 10 years of age for more than one hour at least once in the last week | Total number of children under age 5 | |
| 6.8 | Early child development index | EC | Number of children age 36-59 months who are developmentally on track in at least three of the following four domains: literacy-numeracy, physical, social-emotional, and learning | Total number of children age 36-59 months | |

| LITERACY AND EDUCATION | | | | | |
|------------------------|--|----|---|--|---------|
| 7.1 | Literacy rate among young women ^[M] | WB | Number of women age 15-24 years who are able to read a short simple statement about everyday life or who attended secondary or higher education | Total number of women age 15-24 years | MDG 2.3 |
| 7.2 | School readiness | ED | Number of children in first grade of primary school who attended pre-school during the previous school year | Total number of children attending the first grade of primary school | |
| 7.3 | Net intake rate in primary education | ED | Number of children of school-entry age who enter the first grade of primary school | Total number of children of school-entry age | |
| 7.4 | Primary school net attendance ratio (adjusted) | ED | Number of children of primary school age currently attending primary or secondary school | Total number of children of primary school age | MDG 2.1 |
| 7.5 | Secondary school net attendance ratio (adjusted) | ED | Number of children of secondary school age currently attending secondary school or higher | Total number of children of secondary school age | |
| 7.6 | Children reaching last grade of primary | ED | Proportion of children entering the first grade of primary school who eventually reach last grade | | MDG 2.2 |
| 7.7 | Primary completion rate | ED | Number of children attending the last grade of primary school (excluding repeaters) | Total number of children of primary school completion age (age appropriate to final grade of primary school) | |
| 7.8 | Transition rate to secondary school | ED | Number of children attending the last grade of primary school during the previous school year who are in the first grade of secondary school during the current school year | Total number of children attending the last grade of primary school during the previous school year | |
| 7.9 | Gender parity index (primary school) | ED | Primary school net attendance ratio (adjusted) for girls | Primary school net attendance ratio (adjusted) for boys | MDG 3.1 |
| 7.10 | Gender parity index (secondary school) | ED | Secondary school net attendance ratio (adjusted) for girls | Secondary school net attendance ratio (adjusted) for boys | MDG 3.1 |

| CHILD PROTECTION | | | | | |
|------------------|--|----|---|--|--|
| 8.1 | Birth registration | BR | Number of children under age 5 whose births are reported registered | Total number of children under age 5 | |
| 8.2 | Child labour | CL | Number of children age 5-17 years who are involved in child labour | Total number of children age 5-17 years | |
| 8.3 | Violent discipline | CD | Number of children age 1-14 years who experienced psychological aggression or physical punishment during the last one month | Total number of children age 1-14 years | |
| 8.4 | Marriage before age 15 ^[M] | MA | Number of women age 15-49 years who were first married or in union before age 15 | Total number of women age 15-49 years | |
| 8.5 | Marriage before age 18 ^[M] | MA | Number of women age 20-49 years who were first married or in union before age 18 | Total number of women age 20-49 years | |
| 8.6 | Young women age 15-19 years currently married or in union ^[M] | MA | Number of women age 15-19 years who are married or in union | Total number of women age 15-19 years | |
| 8.7 | Polygyny ^[M] | MA | Number of women age 15-49 years who are in a polygynous union | Total number of women age 15-49 years who are married or in union | |
| 8.8a 8.8b | Spousal age difference | MA | Number of women who are married or in union and whose spouse is 10 or more years older, (a) among women age 15-19 years, (b) among women age 20-24 years | Total number of women who are married or in union (a) age 15-19 years, (b) age 20-24 years | |
| 8.9 | Approval for female genital mutilation/cutting (FGM/C) | FG | Number of women age 15-49 years who state that FGM/C should be continued | Total number of women age 15-49 years who have heard of FGM/C | |
| 8.10 | Prevalence of FGM/C among women | FG | Number of women age 15-49 years who report to have undergone any form of FGM/C | Total number of women age 15-49 years | |
| 8.11 | Prevalence of FGM/C among girls | FG | Number of daughters age 0-14 years who have undergone any form of FGM/C, as reported by mothers age 15-49 years | Total number of daughters age 0-14 years of mothers age 15-49 years | |
| 8.12 | Attitudes towards domestic violence ^[M] | DV | Number of women who state that a husband is justified in hitting or beating his wife in at least one of the following circumstances: (1) she goes out without telling him, (2) she neglects the children, (3) she argues with him, (4) she refuses sex with him, (5) she burns the food | Total number of women age 15-49 years | |
| 8.13 | Children's living arrangements | HL | Number of children age 0-17 years living with neither biological parent | Total number of children age 0-17 years | |
| 8.14 | Prevalence of children with one or both parents dead | HL | Number of children age 0-17 years with one or both biological parents dead | Total number of children age 0-17 years | |
| 8.15 | Children with at least one parent living abroad | HL | Number of children 0-17 years with at least one biological parent living abroad | Total number of children 0-17 years | |

| HIV/AIDS AND SEXUAL BEHAVIOUR | | | | | |
|-------------------------------|--|----|--|--|---------|
| 9.1 | Knowledge about HIV prevention among young women ^[M] | HA | Number of women age 15-24 years who correctly identify ways of preventing the sexual transmission of HIV, and who reject major misconceptions about HIV transmission | Total number of women age 15-24 years | MDG 6.3 |
| 9.2 | Knowledge of mother-to-child transmission of HIV ^[M] | HA | Number of women age 15-49 years who correctly identify all three means of mother-to-child transmission of HIV | Total number of women age 15-49 years | |
| 9.3 | Accepting attitudes towards people living with HIV ^[M] | HA | Number of women age 15-49 years expressing accepting attitudes on all four questions toward people living with HIV | Total number of women age 15-49 years who have heard of HIV | |
| 9.4 | Women who know where to be tested for HIV ^[M] | HA | Number of women age 15-49 years who state knowledge of a place to be tested for HIV | Total number of women age 15-49 years | |
| 9.5 | Women who have been tested for HIV and know the results ^[M] | HA | Number of women age 15-49 years who have been tested for HIV in the last 12 months and who know their results | Total number of women age 15-49 years | |
| 9.6 | Sexually active young women who have been tested for HIV and know the results ^[M] | HA | Number of women age 15-24 years who have had sex in the last 12 months, who have been tested for HIV in the last 12 months and who know their results | Total number of women age 15-24 years who have had sex in the last 12 months | |
| 9.7 | HIV counselling during antenatal care | HA | Number of women age 15-49 years who had a live birth in the last 2 years and received antenatal care during the pregnancy of their most recent birth, reporting that they received counselling on HIV during antenatal care | Total number of women age 15-49 years who had a live birth in the last 2 years | |
| 9.8 | HIV testing during antenatal care | HA | Number of women age 15-49 years who had a live birth in the last 2 years and received antenatal care during the pregnancy of their most recent birth, reporting that they were offered and accepted an HIV test during antenatal care and received their results | Total number of women age 15-49 years who had a live birth in the last 2 years | |
| 9.9 | Young women who have never had sex ^[M] | SB | Number of never married women age 15-24 years who have never had sex | Total number of never married women age 15-24 years | |
| 9.10 | Sex before age 15 among young women ^[M] | SB | Number of women age 15-24 years who had sexual intercourse before age 15 | Total number of women age 15-24 years | |
| 9.11 | Age-mixing among sexual partners | SB | Number of women age 15-24 years who had sex in the last 12 months with a partner who was 10 or more years older | Total number of women age 15-24 years who had sex in the last 12 months | |
| 9.12 | Multiple sexual partnerships ^[M] | SB | Number of women age 15-49 years who had sexual intercourse with more than one partner in the last 12 months | Total number of women age 15-49 years | |

| | | | | | |
|------|--|---------|--|--|---------|
| 9.13 | Condom use at last sex among people with multiple sexual partnerships ^[M] | SB | Number of women age 15-49 years who report having had more than one sexual partner in the last 12 months who also reported that a condom was used the last time they had sex | Total number of women age 15-49 years who reported having had more than one sexual partner in the last 12 months | |
| 9.14 | Sex with non-regular partners ^[M] | SB | Number of sexually active women age 15-24 years who had sex with a non-marital, non-cohabitating partner in the last 12 months | Total number of women age 15-24 years who had sex in the last 12 months | |
| 9.15 | Condom use with non-regular partners ^[M] | SB | Number of women age 15-24 years reporting the use of a condom during the last sexual intercourse with a non-marital, non-cohabitating sex partner in the last 12 months | Total number of women age 15-24 years who had sex with a non-marital, non-cohabitating partner in the last 12 months | MDG 6.2 |
| 9.16 | Ratio of school attendance of orphans to school attendance of non-orphans | HL - ED | Proportion attending school among children age 10-14 years who have lost both parents | Proportion attending school among children age 10-14 years whose parents are alive and who are living with one or both parents | MDG 6.4 |
| 9.17 | Male circumcision | MMC | Number of men age 15-49 years who report having been circumcised | Total number of men age 15-49 years | |

ACCESS TO MASS MEDIA AND USE OF INFORMATION/COMMUNICATION TECHNOLOGY

| | | | | | |
|------|---------------------------------------|----|--|---------------------------------------|--|
| 10.1 | Exposure to mass media ^[M] | MT | Number of women age 15-49 years who, at least once a week, read a newspaper or magazine, listen to the radio, and watch television | Total number of women age 15-49 years | |
| 10.2 | Use of computers ^[M] | MT | Number of young women age 15-24 years who used a computer during the last 12 months | Total number of women age 15-24 years | |
| 10.3 | Use of internet ^[M] | MT | Number of young women age 15-24 who used the internet during the last 12 months | Total number of women age 15-24 years | |

SUBJECTIVE WELL-BEING

| | | | | | |
|------|--|----|--|---------------------------------------|--|
| 11.1 | Life satisfaction ^[M] | LS | Number of women age 15-24 years who are very or somewhat satisfied with their life, overall | Total number of women age 15-24 years | |
| 11.2 | Happiness ^[M] | LS | Number of women age 15-24 years who are very or somewhat happy | Total number of women age 15-24 years | |
| 11.3 | Perception of a better life ^[M] | LS | Number of women age 15-24 years whose life improved during the last one year, and who expect that their life will be better after one year | Total number of women age 15-24 years | |

TOBACCO AND ALCOHOL USE

| | | | | | |
|------|---|----|---|---------------------------------------|--|
| 12.1 | Tobacco use ^[M] | TA | Number of women age 15-49 years who smoked cigarettes, or used smoked or smokeless tobacco products at any time during the last one month | Total number of women age 15-49 years | |
| 12.2 | Smoking before age 15 ^[M] | TA | Number of women age 15-49 years who smoked a whole cigarette before age 15 | Total number of women age 15-49 years | |
| 12.3 | Use of alcohol ^[M] | TA | Number of women age 15-49 years who had at least one alcoholic drink at any time during the last one month | Total number of women age 15-49 years | |
| 12.4 | Use of alcohol before age 15 ^[M] | TA | Number of women age 15-49 years who had at least one alcoholic drink before age 15 | Total number of women age 15-49 years | |

Appendix F. Questionnaires



HOUSEHOLD QUESTIONNAIRE
Multiple Indicator Cluster Survey, Nigeria 2016

| HOUSEHOLD INFORMATION PANEL | | HH |
|--|---|-----------------|
| HOUSE HOLD GPS LOCATION: | Degrees | Decimal degrees |
| HGP1. LATITUDE: | _____ . _____ | |
| HGP2. LONGITUDE: | _____ . _____ | |
| HH1. Cluster number: _____ | HH2. Household number: _____ | |
| HH3. Interviewer's name and number: Name _____ | HH4. Supervisor's name and number: Name _____ | |
| HH5. Day / Month / Year of interview: ____ / ____ / 2016 | HH6. Area: Urban1 Rural2 | |
| HH7. State name: _____ Code _____ | HH8. Is the household selected for Questionnaire for Men? Yes.....1 No.....2 | |
| HH8A. Name of Head of Household _____ Tel.: _____ | HH8B. Is the household selected for Water quality test? Yes1 No.....2 | |
| <p>WE ARE FROM THE NATIONAL BUREAU OF STATISTICS. WE ARE CONDUCTING A SURVEY ABOUT THE SITUATION OF CHILDREN, FAMILIES AND HOUSEHOLDS. I WOULD LIKE TO TALK TO YOU ABOUT THESE SUBJECTS. THE INTERVIEW WILL TAKE ABOUT 45 MINUTES. ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND ANONYMOUS. MAY I START NOW?</p> <p><input type="checkbox"/> Yes, permission is given ⇒ Go to HH18 to record the time and then begin the interview. <input type="checkbox"/> No, permission is not given ⇒ Circle 04 in HH9. Discuss this result with your supervisor.</p> | | |
| <p>HH9. Result of household interview:</p> <p>Completed01 No household member or no competent respondent at home at time of visit02 Entire household absent for extended period of time03 Refused04 Dwelling vacant / Address not a dwelling05 Dwelling destroyed06 Dwelling not found07 Partially Completed08 Other (specify)96</p> | | |

After the household questionnaire has been completed, fill in the following information:

| |
|--|
| HH10. Respondent to Household Questionnaire: Name _____ Line No. _____ |
| HH11. Total number of household members: _____ |
| HH12. Number of women age 15-49 years: _____ |
| If the household is selected for Questionnaire for Men: HH13A. Number of men age 15-49 years: _____ |
| HH14. Number of children under age 5: _____ |

After all questionnaires for the household have been completed, fill in the following information:

| |
|---|
| HH13. Number of women's questionnaires completed: _____ |
| If the household is selected for Questionnaire for Men: HH13B. Number of men's questionnaires completed: _____ |
| HH15. Number of under-5 questionnaires completed: _____ |

HH18. Record the start time

Hour..... — —

Minutes..... — —

LIST OF HOUSEHOLD MEMBERS

HL

FIRST, PLEASE TELL ME THE NAME OF EACH PERSON WHO USUALLY LIVES HERE, STARTING WITH THE HEAD OF THE HOUSEHOLD.

List the head of the household in line 01. List all household members (HL2), their relationship to the household head (HL3), and their sex (HL4)

Then ask: ARE THERE ANY OTHERS WHO LIVE HERE, EVEN IF THEY ARE NOT AT HOME NOW?

If yes, complete listing for questions HL2-HL4. Then, ask questions starting with HL5 for each person at a time.

Use an additional questionnaire if all rows in the List of Household Members have been used.

| HL1. Line no. | HL2. Name | HL3. WHAT IS THE RELATIONSHIP OF (name) TO THE HEAD OF HOUSEHOLD? | HL4. IS (name) MALE OR FEMALE? | | HL5. WHAT IS (name)'S DATE OF BIRTH? | | HL6. HOW OLD IS (name)? | HL6A. DID (name) STAY HERE LAST NIGHT? | For women age 15-49 | For men age 15-49 | For children age 0-4 | For children age 0-17 years | | | | | For Children age 0-14 | |
|------------------|--------------|--|-----------------------------------|-------|---|-------|----------------------------|---|---------------------|-------------------|----------------------|-----------------------------|--------|---------|--------|--------|-----------------------|--------|
| | | | HL7. | HL7A. | HL7B. | HL11. | | | HL12. | HL12A. | HL13. | HL14. | HL14A. | HL15. | | | | |
| | | | M | F | Month | Year | Age | Y N | 15-49 | 15-49 | 0-4 | Y N DK | Mother | | Y N DK | Father | | Mother |
| 01 | | 01 | 1 | 2 | ___ | ___ | ___ | 1 2 | 01 | 01 | 01 | 1 2 8 | ___ | 1 2 3 8 | 1 2 8 | ___ | 1 2 3 8 | ___ |
| 02 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 2 | 02 | 02 | 02 | 1 2 8 | ___ | 1 2 3 8 | 1 2 8 | ___ | 1 2 3 8 | ___ |
| 03 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 2 | 03 | 03 | 03 | 1 2 8 | ___ | 1 2 3 8 | 1 2 8 | ___ | 1 2 3 8 | ___ |
| 04 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 2 | 04 | 04 | 04 | 1 2 8 | ___ | 1 2 3 8 | 1 2 8 | ___ | 1 2 3 8 | ___ |
| 05 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 2 | 05 | 05 | 05 | 1 2 8 | ___ | 1 2 3 8 | 1 2 8 | ___ | 1 2 3 8 | ___ |
| 06 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 2 | 06 | 06 | 06 | 1 2 8 | ___ | 1 2 3 8 | 1 2 8 | ___ | 1 2 3 8 | ___ |
| 07 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 2 | 07 | 07 | 07 | 1 2 8 | ___ | 1 2 3 8 | 1 2 8 | ___ | 1 2 3 8 | ___ |
| 08 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 2 | 08 | 08 | 08 | 1 2 8 | ___ | 1 2 3 8 | 1 2 8 | ___ | 1 2 3 8 | ___ |
| 09 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 2 | 09 | 09 | 09 | 1 2 8 | ___ | 1 2 3 8 | 1 2 8 | ___ | 1 2 3 8 | ___ |
| 10 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 2 | 10 | 10 | 10 | 1 2 8 | ___ | 1 2 3 8 | 1 2 8 | ___ | 1 2 3 8 | ___ |

| | | | | | | | For women age 15-49 | For men age 15-49 | For children age 0-4 | For children age 0-17 years | | | | | | | For Children age 0-14 | | | | | | | | | | | |
|------------------|--------------|--|-----------------------------------|---|---------|---|---|---|-------------------------------------|-----------------------------|---------------------------------------|---|---|--|---|---|---|---|----|--------|---|---|----|--------|---|---|---|-----|
| HL1. Line no. | HL2. Name | HL3. WHAT IS THE RELATIONSHIP OF (name) TO THE HEAD OF HOUSEHOLD? | HL4. IS (name) MALE OR FEMALE? | HL5. WHAT IS (name)'S DATE OF BIRTH? | | HL6. HOW OLD IS (name)? | HL6A. DID (name) STAY HERE LAST NIGHT? | HL7. | HL7A. | HL7B. | HL11. | HL12. | HL12A. | HL13. | HL14. | HL14A. | HL15. | | | | | | | | | | | |
| | | | 1 Male 2 Female | 98 DK | 9998 DK | Record in completed years. If age is 95 or above, record '95'. | 1 Yes 2 No | Circle line no. if man age 15-49 and the household is selected for Question -naire for Men. | Circle line no. if woman age 15-49. | Circle line no. if age 0-4. | 1 Yes 2 No 8 DK HL13 HL13 | DOES (name)'S NATURAL MOTHER LIVE IN THIS HOUSEHOLD? If "Yes", record line no. of mother and go to HL13. If "No", record 00. | WHERE DOES (name)'S NATURAL MOTHER LIVE? 1 In another household in this country 2 Institution in this country 3 Abroad 8 DK | IS (name)'S NATURAL FATHER ALIVE? 1 Yes 2 No 8 DK HL15 HL15 | DOES (name)'S NATURAL FATHER LIVE IN THIS HOUSEHOLD? If "Yes", record line no. of father and go to HL15. If "No", record 00. | WHERE DOES (name)'S NATURAL FATHER LIVE? 1 In another household in this country 2 Institution in this country 3 Abroad 8 DK | Record line no. of mother from HL12 if indicated. If HL12 is blank or '00' ask: WHO IS THE PRIMARY CAREGIVER OF (name)? | | | | | | | | | | | |
| Line | Name | Relation* | M | F | Month | Year | Age | Y | N | 15-49 | 15-49 | 0-4 | Y | N | DK | Mother | Y | N | DK | Father | Y | N | DK | Mother | | | | |
| 11 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 | 2 | 11 | 11 | 11 | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ |
| 12 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 | 2 | 12 | 12 | 12 | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ |
| 13 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 | 2 | 13 | 13 | 13 | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ |
| 14 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 | 2 | 14 | 14 | 14 | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ |
| 15 | | ___ | 1 | 2 | ___ | ___ | ___ | 1 | 2 | 15 | 15 | 15 | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ | 1 | 2 | 8 | ___ |

Tick here if additional questionnaire used

Probe for additional household members.
 Probe especially for any infants or small children not listed, and others who may not be members of the family (such as servants, friends) but who usually live in the household.
 Insert names of additional members in the household list and complete form accordingly.

Now for each woman age 15-49 years, write her name and line number and other identifying information in the information panel of a separate Individual Women's Questionnaire.
 For each man age 15-49 years, write his name and line number and other identifying information in the information panel of a separate Individual Man's Questionnaire.
 For each child under age 5, write his/her name and line number AND the line number of his/her mother or caretaker in the information panel of a separate Under-5 Questionnaire.
 You should now have a separate questionnaire for each eligible woman, each eligible man, and each child under five in the household.

- * Codes for HL3: Relationship to head of household:
- | | | | | | |
|---------------------|---------------------------------|-----------------------------------|-------------------|--------------------------------|------------------------|
| 01 Head | 04 Son-In-Law / Daughter-In-Law | 07 Parent-In-Law | 10 Uncle / Aunt | 13 Adopted / Foster/ Stepchild | 96 Other (Not related) |
| 02 Spouse / Partner | 05 Grandchild | 08 Brother / Sister | 11 Niece / Nephew | 14 Servant (Live-in) | 98 DK |
| 03 Son / Daughter | 06 Parent | 09 Brother-In-Law / Sister-In-Law | 12 Other relative | | |

EDUCATION **ED**

| | | | For household members age 5 and above | | | | For household members age 5-24 years | | | | | | | | | | | | |
|---------------------|--|-----|--|-----------|--|--|--|---|---|--|--|---|------|-------------|-------|--|--|------|--|
| ED1. Line number | ED2. Name and age Copy from HL2 and HL6. | | ED3. | | ED4A. | | | | ED4B. | | ED5. | | ED6. | | ED7. | | | ED8. | |
| | | | Has (name) EVER ATTENDED SCHOOL, PRE-SCHOOL, OR NON-FORMAL EDUCATION? 1 Yes 2 No ↘ | Next Line | WHAT IS THE HIGHEST LEVEL OF SCHOOL (name) HAS ATTENDED? Level: 0 Preschool 1 Primary 2 Secondary 3 Higher 4 Non-formal 8 DK If level=4 or 8, Skip to ED5. | WHAT IS THE HIGHEST GRADE (name) COMPLETED AT THIS LEVEL? Grade: See footnote for Grade codes 98 DK | DURING THE CURRENT SCHOOL YEAR, THAT IS 2015-2016, DID (name) ATTEND SCHOOL, PRESCHOOL, OR NON-FORMAL EDUCATION AT ANY TIME? 1 Yes 2 No ↘ ED7 | DURING THIS/THAT SCHOOL YEAR, WHICH LEVEL AND GRADE IS/WAS (name) ATTENDING? Level: 0 Preschool 1 Primary 2 Secondary 3 Higher 4 Non-formal 8 DK If level=4 or 8 skip to ED7. | Grade: See footnote for Grade codes 98 DK | DURING THE PREVIOUS SCHOOL YEAR, THAT IS 2014-2015, DID (name) ATTEND SCHOOL, PRESCHOOL, OR NON-FORMAL EDUCATION AT ANY TIME? 1 Yes 2 No ↘ Next Line 8 DK ↘ Next Line | DURING THAT PREVIOUS SCHOOL YEAR, WHICH LEVEL AND GRADE DID (name) ATTEND? Level: 0 Preschool 1 Primary 2 Secondary 3 Higher 4 Non-formal 8 DK If level=4 or 8, go to next line. | Grade: See footnote for Grade codes 98 DK | | | | | | | |
| Line | Name | Age | Yes | No | Level | Grade | Yes | No | Level | Grade | Yes | No | DK | Level | Grade | | | | |
| 01 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 02 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 03 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 04 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 05 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 06 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 07 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 08 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 09 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 10 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 11 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 12 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 13 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 14 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |
| 15 | | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 0 1 2 3 4 8 | ___ | 1 | 2 | 8 | 0 1 2 3 4 8 | ___ | | | | |

| Codes for Grades in ED4B, ED6 and ED8 | | | |
|--|--|--|---|
| Preschool Never completed Nursery 1 (only if ED4B).....00 Nursery 101 Nursery 2.....02 Nursery 3.....03 | Primary Never completed Primary 1 (only if ED4B)..... 11 Primary 1 11 Primary 2 12 Primary 3 13 | Secondary (or Secondary Technical) Never Completed JSS 1 (only if ED4B)20 JSS 121 JSS 222 JSS 323 | Higher Never completed NCE, AL, OND, Higher Technical , HND, BSc. (only if ED4B)..... 30 NCE.....31 AL/OND32 Higher Technical/TTC.....33 HND.....34 BSc.....35 Post Graduate.....36 |

SELECTION OF ONE CHILD FOR CHILD LABOUR/CHILD DISCIPLINE

SL

SL1. Check HL6 in the List of Household Members and write the total number of children age 1-17 years.

Total number —

SL2. Check the number of children age 1-17 years in SL1:

Zero ⇒ Go to HOUSEHOLD CHARACTERISTICS module.

One ⇒ Go to SL9 and record the rank number as '1', enter the line number, child's name and age.

Two or more ⇒ Continue with SL2A.

SL2A. List each of the children age 1-17 years below in the order they appear in the List of Household Members. Do not include other household members outside of the age range 1-17 years. Record the line number, name, sex, and age for each child.

| SL3. | SL4. | SL5. | SL6. | | SL7. |
|-------------|----------------------|---------------|--------------|---|--------------|
| Rank number | Line Number from HL1 | Name from HL2 | Sex from HL4 | | Age from HL6 |
| Rank | Line | Name | M | F | Age |
| 1 | — — — | | 1 | 2 | — — — |
| 2 | — — — | | 1 | 2 | — — — |
| 3 | — — — | | 1 | 2 | — — — |
| 4 | — — — | | 1 | 2 | — — — |
| 5 | — — — | | 1 | 2 | — — — |
| 6 | — — — | | 1 | 2 | — — — |
| 7 | — — — | | 1 | 2 | — — — |
| 8 | — — — | | 1 | 2 | — — — |

SL8. Check the last digit of the household number (HH2) from the cover page. This is the number of the row you should go to in the table below.

Check the total number of children age 1-17 years in SL1 above. This is the number of the column you should go to in the table below.

Find the box where the row and the column meet and circle the number that appears in the box. This is the rank number (SL3) of the selected child.

| Last Digit of Household Number (from HH2) | Total Number of Eligible Children in the Household (from SL1) | | | | | | |
|---|---|---|---|---|---|---|----|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8+ |
| 0 | 2 | 2 | 4 | 3 | 6 | 5 | 4 |
| 1 | 1 | 3 | 1 | 4 | 1 | 6 | 5 |
| 2 | 2 | 1 | 2 | 5 | 2 | 7 | 6 |
| 3 | 1 | 2 | 3 | 1 | 3 | 1 | 7 |
| 4 | 2 | 3 | 4 | 2 | 4 | 2 | 8 |
| 5 | 1 | 1 | 1 | 3 | 5 | 3 | 1 |
| 6 | 2 | 2 | 2 | 4 | 6 | 4 | 2 |
| 7 | 1 | 3 | 3 | 5 | 1 | 5 | 3 |
| 8 | 2 | 1 | 4 | 1 | 2 | 6 | 4 |
| 9 | 1 | 2 | 1 | 2 | 3 | 7 | 5 |

SL9. Record the rank number (SL3), line number (SL4), name (SL5) and age (SL7) of the selected child.

Rank number —

Line number — —

Name _____

Age — —

CHILD LABOUR

CL

CL1. Check selected child's age from SL9:

1-4 years ⇒ Go to Next Module.

5-17 years ⇒ Continue with CL2.

CL2. NOW I WOULD LIKE TO ASK ABOUT ANY WORK CHILDREN IN THIS HOUSEHOLD MAY DO.

SINCE LAST (*day of the week*), DID (*name*) DO ANY OF THE FOLLOWING ACTIVITIES, EVEN FOR ONLY ONE HOUR?

[A] DID (*name*) DO ANY WORK OR HELP ON HIS/HER OWN OR THE HOUSEHOLD'S PLOT/FARM/FOOD GARDEN OR LOOKED AFTER ANIMALS? FOR EXAMPLE, GROWING FARM PRODUCE, HARVESTING, OR FEEDING, GRAZING, MILKING ANIMALS?

Yes No

Worked on plot / farm / food garden / looked after animals
1 2

[B] DID (*name*) HELP IN FAMILY BUSINESS OR RELATIVE'S BUSINESS WITH OR WITHOUT PAY, OR RUN HIS/HER OWN BUSINESS?

Helped in family / relative's business/ran own business
1 2

[C] DID (*name*) PRODUCE OR SELL ARTICLES, HANDICRAFTS, CLOTHES, FOOD OR AGRICULTURAL PRODUCTS?

Produce / sell articles / handicrafts / clothes / food

[D] SINCE LAST (*day of the week*), DID (*name*) ENGAGE IN ANY OTHER ACTIVITY IN RETURN FOR INCOME IN CASH OR IN KIND, EVEN FOR ONLY ONE HOUR?

or agricultural products
1 2

If "No", Probe:

PLEASE INCLUDE ANY ACTIVITY (*name*) PERFORMED AS A REGULAR OR CASUAL EMPLOYEE, SELF-EMPLOYED OR EMPLOYER; OR AS AN UNPAID FAMILY WORKER HELPING OUT IN HOUSEHOLD BUSINESS OR FARM.

Any other activity
1 2

CL3. Check CL2, A to D

There is at least one 'Yes' ⇒ continue with CL4

All answers are 'No' ⇒ Go to CL8

CL4. SINCE LAST (*day of the week*) ABOUT HOW MANY HOURS DID (*name*) ENGAGE IN THIS ACTIVITY/THESE ACTIVITIES, IN TOTAL?

Number of hours

If less than one hour, record "00"

— —

CL5. DOES THE ACTIVITY/DO THESE ACTIVITIES REQUIRE CARRYING HEAVY LOADS?

Yes 1

No 2

CL6. DOES THE ACTIVITY/DO THESE ACTIVITIES REQUIRE WORKING WITH DANGEROUS TOOLS (KNIVES ETC.) OR OPERATING HEAVY MACHINERY?

Yes 1

No..... 2

| <p>CL7. HOW WOULD YOU DESCRIBE THE WORK ENVIRONMENT OF (name)?</p> <p>[A] IS (name) EXPOSED TO DUST, FUMES OR GAS?</p> <p>[B] IS (name) EXPOSED TO EXTREME COLD, HEAT OR HUMIDITY?</p> <p>[C] IS (name) EXPOSED TO LOUD NOISE OR VIBRATION?</p> <p>[D] IS (name) REQUIRED TO WORK AT HEIGHTS?</p> <p>[E] IS (name) REQUIRED TO WORK WITH CHEMICALS (PESTICIDES, GLUES, ETC.) OR EXPLOSIVES?</p> <p>[F] IS (name) EXPOSED TO OTHER THINGS, PROCESSES OR CONDITIONS BAD FOR (name)'S HEALTH OR SAFETY?</p> | <p>Yes 1</p> <p>No 2</p> <p>Yes..... 1</p> <p>No 2</p> <p>Yes..... 1</p> <p>No 2</p> <p>Yes..... 1</p> <p>No 2</p> <p>Yes..... 1</p> <p>No 2</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|-----|----|------------------------------|---|---|----------------------------------|---|---|--|---|---|-----------------------|---|---|---------------------------|---|---|-----------------------------|---|---|-----------------------------|---|---|--|
| <p>CL8. SINCE LAST (day of the week), DID (name) FETCH WATER OR COLLECT FIREWOOD FOR HOUSEHOLD USE?</p> | <p>Yes..... 1</p> <p>No 2</p> | <p>2⇒ CL10</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CL9. IN TOTAL, HOW MANY HOURS DID (name) SPEND ON FETCHING WATER OR COLLECTING FIREWOOD FOR HOUSEHOLD USE, SINCE LAST (day of the week)?</p> <p><i>If less than one hour, record "00"</i></p> | <p>Number of hours _ _</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CL10. SINCE LAST (day of the week), DID (name) DO ANY OF THE FOLLOWING FOR THIS HOUSEHOLD?</p> <p>[A] SHOPPING FOR HOUSEHOLD?</p> <p>[B] REPAIR ANY HOUSEHOLD EQUIPMENT?</p> <p>[C] COOKING OR CLEANING UTENSILS OR THE HOUSE?</p> <p>[D] WASHING CLOTHES?</p> <p>[E] CARING FOR CHILDREN?</p> <p>[F] CARING FOR THE OLD OR SICK?</p> <p>[G] OTHER HOUSEHOLD TASKS?</p> | <table border="0"> <thead> <tr> <th></th> <th style="text-align: center;">Yes</th> <th style="text-align: center;">No</th> </tr> </thead> <tbody> <tr> <td>Shopping for household</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Repair household equipment</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Cooking / cleaning utensils /house</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Washing clothes</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Caring for children</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Caring for old / sick</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Other household tasks</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> </tbody> </table> | | Yes | No | Shopping for household | 1 | 2 | Repair household equipment | 1 | 2 | Cooking / cleaning utensils /house | 1 | 2 | Washing clothes | 1 | 2 | Caring for children | 1 | 2 | Caring for old / sick | 1 | 2 | Other household tasks | 1 | 2 | |
| | Yes | No | | | | | | | | | | | | | | | | | | | | | | | | |
| Shopping for household | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Repair household equipment | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Cooking / cleaning utensils /house | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Washing clothes | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Caring for children | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Caring for old / sick | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Other household tasks | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CL11. Check CL10, A to G</p> <p><input type="checkbox"/> There is at least one 'Yes' ⇒ Continue with CL12</p> <p><input type="checkbox"/> All answers are 'No' ⇒ Go to Next Module</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CL12. SINCE LAST (day of the week), ABOUT HOW MANY HOURS DID (name) ENGAGE IN THIS ACTIVITY/THESE ACTIVITIES, IN TOTAL?</p> <p><i>If less than one hour, record "00"</i></p> | <p>Number of hours _ _</p> | | | | | | | | | | | | | | | | | | | | | | | | | |

| CHILD DISCIPLINE | | CD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----|---|----|--|---|---|---|---------------------------|---|---|---|-----------------------------|--------------------|---|---|---------------------|--|---|---|---------------------------------|--|---|---|---------------------------------|---|---|---|--|---|---|---|---|---|---|---|--|---|---|---|---|--|---|---|---|--|---|---|---|--|
| CD1. Check selected child's age from SL9: <input type="checkbox"/> 1-14 years ⇒ Continue with CD2 <input type="checkbox"/> 15-17 years ⇒ Go to Next Module | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CD2. Write the line number and name of the child from SL9. | Line number ___ __ Name _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CD3. ADULTS USE CERTAIN WAYS TO TEACH CHILDREN THE RIGHT BEHAVIOUR OR TO ADDRESS A BEHAVIOUR PROBLEM. I WILL READ VARIOUS METHODS THAT ARE USED. PLEASE TELL ME IF YOU OR ANYONE ELSE IN YOUR HOUSEHOLD HAS USED THIS METHOD WITH (name) IN THE PAST MONTH. | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 10%; text-align: center;">Yes</th> <th style="width: 10%; text-align: center;">No</th> <th style="width: 20%;"></th> </tr> </thead> <tbody> <tr> <td>[A] TOOK AWAY PRIVILEGES, FORBADE SOMETHING (name) LIKED OR DID NOT ALLOW HIM/HER TO LEAVE THE HOUSE.</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td>Took away privileges.....</td> </tr> <tr> <td>[B] EXPLAINED WHY (name)'S BEHAVIOUR WAS WRONG.</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td>Explained wrong behavi.....</td> </tr> <tr> <td>[C] SHOOK HIM/HER.</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td>Shook him/her</td> </tr> <tr> <td>[D] SHOUTED, YELLED AT OR SCREAMED AT HIM/HER.</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td>Shouted, yelled, screamed</td> </tr> <tr> <td>[E] GAVE HIM/HER SOMETHING ELSE TO DO.</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td>Gave something else to do</td> </tr> <tr> <td>[F] SPANKED, HIT OR SLAPPED HIM/HER ON THE BOTTOM WITH BARE HAND.</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td>Spanked, hit, slapped on bottom with bare hand ...</td> </tr> <tr> <td>[G] HIT HIM/HER ON THE BOTTOM OR ELSEWHERE ON THE BODY WITH SOMETHING LIKE A BELT, HAIRBRUSH, STICK OR OTHER HARD OBJECT.</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td>Hit with belt, hairbrush, stick, or other hard object</td> </tr> <tr> <td>[H] CALLED HIM/HER DUMB, LAZY, OR ANOTHER NAME LIKE THAT.</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td>Called dumb, lazy, or another name</td> </tr> <tr> <td>[I] HIT OR SLAPPED HIM/HER ON THE FACE, HEAD OR EARS.</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td>Hit / slapped on the face, head or ears</td> </tr> <tr> <td>[J] HIT OR SLAPPED HIM/HER ON THE HAND, ARM, OR LEG.</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td>Hit / slapped on hand, arm or leg</td> </tr> <tr> <td>[K] BEAT HIM/HER UP, THAT IS HIT HIM/HER OVER AND OVER AS HARD AS ONE COULD.</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td>Beat up, hit over and over as hard as one could .</td> </tr> </tbody> </table> | | Yes | No | | [A] TOOK AWAY PRIVILEGES, FORBADE SOMETHING (name) LIKED OR DID NOT ALLOW HIM/HER TO LEAVE THE HOUSE. | 1 | 2 | Took away privileges..... | [B] EXPLAINED WHY (name)'S BEHAVIOUR WAS WRONG. | 1 | 2 | Explained wrong behavi..... | [C] SHOOK HIM/HER. | 1 | 2 | Shook him/her | [D] SHOUTED, YELLED AT OR SCREAMED AT HIM/HER. | 1 | 2 | Shouted, yelled, screamed | [E] GAVE HIM/HER SOMETHING ELSE TO DO. | 1 | 2 | Gave something else to do | [F] SPANKED, HIT OR SLAPPED HIM/HER ON THE BOTTOM WITH BARE HAND. | 1 | 2 | Spanked, hit, slapped on bottom with bare hand ... | [G] HIT HIM/HER ON THE BOTTOM OR ELSEWHERE ON THE BODY WITH SOMETHING LIKE A BELT, HAIRBRUSH, STICK OR OTHER HARD OBJECT. | 1 | 2 | Hit with belt, hairbrush, stick, or other hard object | [H] CALLED HIM/HER DUMB, LAZY, OR ANOTHER NAME LIKE THAT. | 1 | 2 | Called dumb, lazy, or another name | [I] HIT OR SLAPPED HIM/HER ON THE FACE, HEAD OR EARS. | 1 | 2 | Hit / slapped on the face, head or ears | [J] HIT OR SLAPPED HIM/HER ON THE HAND, ARM, OR LEG. | 1 | 2 | Hit / slapped on hand, arm or leg | [K] BEAT HIM/HER UP, THAT IS HIT HIM/HER OVER AND OVER AS HARD AS ONE COULD. | 1 | 2 | Beat up, hit over and over as hard as one could . | |
| | Yes | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [A] TOOK AWAY PRIVILEGES, FORBADE SOMETHING (name) LIKED OR DID NOT ALLOW HIM/HER TO LEAVE THE HOUSE. | 1 | 2 | Took away privileges..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [B] EXPLAINED WHY (name)'S BEHAVIOUR WAS WRONG. | 1 | 2 | Explained wrong behavi..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [C] SHOOK HIM/HER. | 1 | 2 | Shook him/her | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [D] SHOUTED, YELLED AT OR SCREAMED AT HIM/HER. | 1 | 2 | Shouted, yelled, screamed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [E] GAVE HIM/HER SOMETHING ELSE TO DO. | 1 | 2 | Gave something else to do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [F] SPANKED, HIT OR SLAPPED HIM/HER ON THE BOTTOM WITH BARE HAND. | 1 | 2 | Spanked, hit, slapped on bottom with bare hand ... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [G] HIT HIM/HER ON THE BOTTOM OR ELSEWHERE ON THE BODY WITH SOMETHING LIKE A BELT, HAIRBRUSH, STICK OR OTHER HARD OBJECT. | 1 | 2 | Hit with belt, hairbrush, stick, or other hard object | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [H] CALLED HIM/HER DUMB, LAZY, OR ANOTHER NAME LIKE THAT. | 1 | 2 | Called dumb, lazy, or another name | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [I] HIT OR SLAPPED HIM/HER ON THE FACE, HEAD OR EARS. | 1 | 2 | Hit / slapped on the face, head or ears | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [J] HIT OR SLAPPED HIM/HER ON THE HAND, ARM, OR LEG. | 1 | 2 | Hit / slapped on hand, arm or leg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [K] BEAT HIM/HER UP, THAT IS HIT HIM/HER OVER AND OVER AS HARD AS ONE COULD. | 1 | 2 | Beat up, hit over and over as hard as one could . | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CD4. DO YOU BELIEVE THAT IN ORDER TO BRING UP, RAISE, OR EDUCATE A CHILD PROPERLY, THE CHILD NEEDS TO BE PHYSICALLY PUNISHED? | Yes 1 No 2 DK / No opinion 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| HOUSEHOLD CHARACTERISTICS | | HC |
|---|---|-----|
| HC1A. WHAT IS THE RELIGION OF THE HEAD OF THIS HOUSEHOLD? | Christianity..... | 1 |
| | Islam | 2 |
| | Traditional | 3 |
| | Other religion (<i>specify</i>) | 6 |
| | No religion | 7 |
| HC1B. WHAT IS THE MOTHER TONGUE/NATIVE LANGUAGE OF THE HEAD OF THIS HOUSEHOLD? | Language _ _ _ _ | |
| | Other language (<i>specify</i>) 996 | |
| HC1C. TO WHAT ETHNIC GROUP DOES THE HEAD OF THIS HOUSEHOLD BELONG? | Hausa | 1 |
| | Igbo..... | 2 |
| | Yoruba | 3 |
| | Other ethnic group (<i>specify</i>) | 996 |
| HC2. HOW MANY ROOMS IN THIS HOUSEHOLD ARE USED FOR SLEEPING? | Number of rooms _ _ | |
| HC3. <i>Main material of the dwelling floor.</i> <i>Record observation.</i> | Natural floor | |
| | Earth / Sand..... | 11 |
| | Dung | 12 |
| | Rudimentary floor | |
| | Wood planks..... | 21 |
| | Palm / Bamboo..... | 22 |
| | Finished floor | |
| | Parquet or polished wood | 31 |
| | Vinyl tiles | 36 |
| | Vinyl carpet | 32 |
| | Ceramic tiles..... | 33 |
| | Cement | 34 |
| Rug (wall to wall) | 35 | |
| Other (<i>specify</i>) | 96 | |
| HC4. <i>Main material of the roof.</i> <i>Record observation.</i> | Natural roofing | |
| | No Roof..... | 11 |
| | Thatch / Palm leaf..... | 12 |
| | Rudimentary roofing | |
| | Rustic mat..... | 21 |
| | Palm / Bamboo..... | 22 |
| | Wood planks..... | 23 |
| | Cardboard / Plastic sheeting..... | 24 |
| | Finished roofing | |
| | Metal / Tin / Zinc / Iron sheets..... | 31 |
| | Wood | 32 |
| | Calamine / Cement fibre | 33 |
| | Ceramic tiles..... | 34 |
| | Cement..... | 35 |
| Roofing shingles | 36 | |
| Other (<i>specify</i>)..... | 96 | |

| | | |
|--|--|---|
| <p>HC5. Main material of the exterior walls.</p> <p><i>Record observation.</i></p> | <p>Natural walls</p> <p>No walls..... 11</p> <p>Cane / Palm / Trunks / Thatch 12</p> <p>Dirt / Earth..... 13</p> <p>Rudimentary walls</p> <p>Bamboo with mud 21</p> <p>Stone with mud..... 22</p> <p>Uncovered adobe/Mud brick..... 23</p> <p>Plywood 24</p> <p>Cardboard 25</p> <p>Reused wood 26</p> <p>Finished walls</p> <p>Cement..... 31</p> <p>Stone with lime / cement 32</p> <p>Bricks..... 33</p> <p>Cement blocks..... 34</p> <p>Covered adobe..... 35</p> <p>Wood planks / shingles..... 36</p> <p>Other (<i>specify</i>)..... 96</p> | |
| <p>HC6. WHAT TYPE OF FUEL DOES YOUR HOUSEHOLD MAINLY USE FOR COOKING?</p> | <p>Electricity 01</p> <p>Liquefied Petroleum Gas (LPG) cylinder.. 02</p> <p>Biogas..... 04</p> <p>Kerosene 05</p> <p>Coal / Lignite..... 06</p> <p>Charcoal 07</p> <p>Wood..... 08</p> <p>Straw / Shrubs / Grass..... 09</p> <p>Animal dung 10</p> <p>Agricultural crop residue..... 11</p> <p>No food cooked in household..... 95</p> <p>Other (<i>specify</i>)..... 96</p> | <p>01⇒HC8</p> <p>02⇒HC8</p> <p>04⇒HC8</p> <p>05⇒HC8</p> <p>95⇒HC8</p> |
| <p>HC7. IS THE COOKING USUALLY DONE IN THE HOUSE, IN A SEPARATE BUILDING, OR OUTDOORS?</p> <p><i>If 'In the house', probe: IS IT DONE IN A SEPARATE ROOM USED AS A KITCHEN?</i></p> | <p>In the house</p> <p> In a separate room used as kitchen..... 1</p> <p> Elsewhere in the house..... 2</p> <p>In a separate building..... 3</p> <p>Outdoors 4</p> <p>Other (<i>specify</i>)..... 6</p> | |

| <p>C8. DOES YOUR HOUSEHOLD HAVE:</p> <p>[A] ELECTRICITY?</p> <p>[B] A RADIO?</p> <p>[C] A TELEVISION?</p> <p>[D] A NON-MOBILE TELEPHONE?</p> <p>[E] A REFRIGERATOR?</p> <p>[F] A VCR, VCD, DVD</p> <p>[G] A SEWING MACHINE</p> <p>[H] A CLOCK</p> <p>[I] A GENERATOR</p> <p>[J] A COMPUTER</p> <p>[K] A WATER HEATER</p> <p>[L] A FAN</p> <p>[M] AN AIR CONDITIONER</p> <p>[N] A BLENDER/MIXER/FOOD PROCESSOR</p> <p>[O] A MANUFACTURED BED</p> <p>[P] A CUSHIONED CHAIR</p> | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 10%; text-align: center;">Yes</th> <th style="width: 10%; text-align: center;">No</th> </tr> </thead> <tbody> <tr> <td>Electricity</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Radio</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Television.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Non-mobile telephone</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Refrigerator</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>VCR, VCD, DVD.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Sewing machine.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Clock.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Generator.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Computer</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Water heater</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Fan</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Air conditioner</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Blender/Mixer/Food processo.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Manufactured bed</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Cushioned chair</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> </tbody> </table> | | Yes | No | Electricity | 1 | 2 | Radio | 1 | 2 | Television..... | 1 | 2 | Non-mobile telephone | 1 | 2 | Refrigerator | 1 | 2 | VCR, VCD, DVD..... | 1 | 2 | Sewing machine..... | 1 | 2 | Clock..... | 1 | 2 | Generator..... | 1 | 2 | Computer | 1 | 2 | Water heater | 1 | 2 | Fan | 1 | 2 | Air conditioner | 1 | 2 | Blender/Mixer/Food processo..... | 1 | 2 | Manufactured bed | 1 | 2 | Cushioned chair | 1 | 2 | |
|---|---|-------|-----|-------|-------------------|---|-------|--------------------------------|---|-------|-----------------|---|---|----------------------------|---|---|-------------------------|---|---|--------------------|---|---|-----------------------|---|---|----------------------------|---|---|----------------|---|---|----------------|---|---|--------------------|---|---|-----------|---|---|-----------------------|---|---|----------------------------------|---|---|------------------------|---|---|-----------------------|---|---|--|
| | Yes | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Electricity | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Radio | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Television..... | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Non-mobile telephone | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Refrigerator | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VCR, VCD, DVD..... | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sewing machine..... | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clock..... | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Generator..... | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Computer | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water heater | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fan | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Air conditioner | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blender/Mixer/Food processo..... | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufactured bed | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cushioned chair | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>C9. DOES ANY MEMBER OF YOUR HOUSEHOLD OWN:</p> <p>[A] A WATCH?</p> <p>[B] A MOBILE TELEPHONE?</p> <p>[C] A BICYCLE?</p> <p>[D] A MOTORCYCLE OR SCOOTER?</p> <p>[E] AN ANIMAL-DRAWN CART?</p> <p>[F] A CAR OR TRUCK?</p> <p>[G] A BOAT WITH A MOTOR?</p> <p>[H] A TRICYCLE (KEKE NAPEP)</p> | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 10%; text-align: center;">Yes</th> <th style="width: 10%; text-align: center;">No</th> </tr> </thead> <tbody> <tr> <td>Watch.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Mobile telephone.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Bicycle</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Motorcycle / Scooter</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Animal-drawn cart</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Car / Truck</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Boat with motor</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Tricycle (Keke Napep).....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> </tbody> </table> | | Yes | No | Watch..... | 1 | 2 | Mobile telephone..... | 1 | 2 | Bicycle | 1 | 2 | Motorcycle / Scooter | 1 | 2 | Animal-drawn cart | 1 | 2 | Car / Truck | 1 | 2 | Boat with motor | 1 | 2 | Tricycle (Keke Napep)..... | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Yes | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Watch..... | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobile telephone..... | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bicycle | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Motorcycle / Scooter | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Animal-drawn cart | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Car / Truck | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boat with motor | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tricycle (Keke Napep)..... | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>C10. DO YOU OR SOMEONE LIVING IN THIS HOUSEHOLD OWN THIS DWELLING?</p> <p><i>If "No", then ask: DO YOU RENT THIS DWELLING FROM SOMEONE NOT LIVING IN THIS HOUSEHOLD?</i></p> <p><i>If "Rented from someone else", circle "2". For other responses, circle "6".</i></p> | <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 80%;">Own</td> <td style="width: 10%; text-align: center;">1</td> <td style="width: 10%;"></td> </tr> <tr> <td>Rent</td> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td>Other (<i>specify</i>) _____</td> <td></td> <td style="text-align: center;">6</td> </tr> </tbody> </table> | Own | 1 | | Rent | 2 | | Other (<i>specify</i>) _____ | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Own | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rent | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other (<i>specify</i>) _____ | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>C11. DOES ANY MEMBER OF THIS HOUSEHOLD OWN ANY LAND THAT CAN BE USED FOR AGRICULTURE?</p> | <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 80%;">Yes</td> <td style="width: 10%; text-align: center;">1</td> <td style="width: 10%;"></td> </tr> <tr> <td>No</td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table> | Yes | 1 | | No | 2 | | 2⇒HC13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>C12. HOW MANY PLOTS, ACRES OR HECTARES OF AGRICULTURAL LAND DO MEMBERS OF THIS HOUSEHOLD OWN?</p> <p><i>If less than 1, record "00". If 95 or more, record "95". If unknown, record "98".</i></p> | <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 60%;">Plots</td> <td style="width: 20%; text-align: center;">1</td> <td style="width: 20%; text-align: center;">_____</td> </tr> <tr> <td>Acres</td> <td style="text-align: center;">2</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>Hectares</td> <td style="text-align: center;">3</td> <td style="text-align: center;">_____</td> </tr> </tbody> </table> | Plots | 1 | _____ | Acres | 2 | _____ | Hectares | 3 | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plots | 1 | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acres | 2 | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hectares | 3 | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|--------|
| C13. DOES THIS HOUSEHOLD OWN ANY LIVESTOCK, HERDS, OTHER FARM ANIMALS, OR POULTRY? | Yes 1 No 2 | 2⇒HC15 |
| C14. HOW MANY OF THE FOLLOWING ANIMALS DOES THIS HOUSEHOLD HAVE? [A] CATTLE, MILK COWS, OXEN OR BULLS? [B] HORSES, DONKEYS, OR MULES? [C] GOATS? [D] SHEEP? [E] CHICKEN? [F] PIGS? [G] CAMELS [H] DUCKS [I] GEESE [J] QUAIL [K] CULTURED FISH <i>If none, record "00". If 95 or more, record "95". If unknown, record "98".</i> | Cattle, milk cows, or bulls ___ ___ Horses, donkeys, or mules ___ ___ Goats ___ ___ Sheep ___ ___ Chicken ___ ___ Pigs ___ ___ Camels ___ ___ Ducks..... ___ ___ Geese ___ ___ Quail ___ ___ Cultured Fish ___ ___ | |
| C15. DOES ANY MEMBER OF THIS HOUSEHOLD HAVE A BANK ACCOUNT? | Yes 1 No 2 | |

| INSECTICIDE TREATED NETS | | TN |
|---|---------------------|------------------|
| N1. DOES YOUR HOUSEHOLD HAVE ANY MOSQUITO NETS THAT CAN BE USED WHILE SLEEPING? | Yes 1 | 2⇒Next Module |
| | No 2 | |
| N2. HOW MANY MOSQUITO NETS DOES YOUR HOUSEHOLD HAVE? | Number of nets ____ | |
| N3. Ask the respondent to show you the nets in the household. If more than 3 nets, use additional questionnaire(s). | | |

| | 1 st Net | 2 nd Net | 3 rd Net |
|---|--|--|--|
| N4. Mosquito net observed? | Observed 1 Not observed 2 | Observed 1 Not observed 2 | Observed 1 Not observed 2 |
| N5. Observe or ask the brand/type of mosquito net. <i>If brand is unknown and you cannot observe the net, show pictures of typical net types/brands to respondent.</i> | Long-lasting treated nets PermaNet 10 Olyset 11 IconLife 12 Duranet 13 NetProtect 14 Basf Interceptor 15 Other (specify) 16 DK brand 18 Pre-treated nets 28 Other net (specify) 36 DK brand / type 98 | Long-lasting treated nets PermaNet 10 Olyset 11 IconLife 12 Duranet 13 NetProtect 14 Basf Interceptor 15 Other (specify) 16 DK brand 18 Pre-treated nets 28 Other net (specify) 36 DK brand / type 98 | Long-lasting treated nets PermaNet 10 Olyset 11 IconLife 12 Duranet 13 NetProtect 14 Basf Interceptor 15 Other (specify) 16 DK brand 18 Pre-treated nets 28 Other net (specify) 36 DK brand / type 98 |
| TN6. HOW MANY MONTHS AGO DID YOUR HOUSEHOLD GET THE MOSQUITO NET? <i>If less than one month, record "00".</i> | Months ago ____ More than 36 mo. ago 95 DK / Not sure 98 | Months ago ____ More than 36 mo. ago 95 DK / Not sure 98 | Months ago ____ More than 36 mo. ago 95 DK / Not sure 98 |
| TN7. Check TN5 for type of net | <input type="checkbox"/> Long-lasting ⇒ TN11 <input type="checkbox"/> Pre-treated ⇒ TN9 <input type="checkbox"/> Else ⇒ Continue | <input type="checkbox"/> Long-lasting ⇒ TN11 <input type="checkbox"/> Pre-treated ⇒ TN9 <input type="checkbox"/> Else ⇒ Continue | <input type="checkbox"/> Long-lasting ⇒ TN11 <input type="checkbox"/> Pre-treated ⇒ TN9 <input type="checkbox"/> Else ⇒ Continue |
| TN8. WHEN YOU GOT THE NET, WAS IT ALREADY TREATED WITH AN INSECTICIDE TO KILL OR REPEL MOSQUITOES? | Yes 1 No 2 DK / Not sure 8 | Yes 1 No 2 DK / Not sure 8 | Yes 1 No 2 DK / Not sure 8 |
| TN9. SINCE YOU GOT THE NET, WAS IT EVER SOAKED OR DIPPED IN A LIQUID TO KILL OR REPEL MOSQUITOES? | Yes 1 No 2 DK / Not sure 8 ⇒ TN11 | Yes 1 No 2 DK / Not sure 8 ⇒ TN11 | Yes 1 No 2 DK / Not sure 8 ⇒ TN11 |

| | | | |
|---|--|--|--|
| TN10. HOW MANY MONTHS AGO WAS THE NET LAST SOAKED OR DIPPED? <i>If less than one month, record "00".</i> | Months ago ____ More than 24 mo. ago95 DK / Not sure98 | Months ago..... ____ More than 24 mo. ago..... 95 DK / Not sure..... 98 | Months ago ____ More than 24 mo. ago 95 DK / Not sure 98 |
| TN11. DID ANYONE SLEEP UNDER THIS MOSQUITO NET LAST NIGHT? | Yes..... 1 No2 ⇒ TN13 DK / Not sure..... 8 ⇒ TN13 | Yes..... 1 No2 ⇒ TN13 DK / Not sure..... 8 ⇒ TN13 | Yes 1 No2 ⇒ TN13 DK / Not sure 8 ⇒ TN13 |
| TN12. WHO SLEPT UNDER THIS MOSQUITO NET LAST NIGHT? <i>Record the person's line number from the List of Household Members.</i> <i>If someone not in the List of Household Members slept under the mosquito net, record "00".</i> | Name _____ Line number ____ Name _____ Line number ____ Name _____ Line number ____ Name _____ Line number ____ Name _____ Line number ____ | Name _____ Line number..... ____ Name _____ Line number..... ____ Name _____ Line number..... ____ Name _____ Line number..... ____ | Name _____ Line number ____ Name _____ Line number ____ Name _____ Line number ____ Name _____ Line number ____ |
| TN13. | <i>Go back to TN4 for next net. If no more nets, go to next module.</i> | <i>Go back to TN4 for next net. If no more nets, go to next module.</i> | <i>Go back to TN4 in first column of a new questionnaire for next net. If no more nets, go to next module.</i> |
| | | | <i>Tick here if additional questionnaire used.</i> <input type="checkbox"/> |

| WATER AND SANITATION | | WS |
|--|--|-------|
| WS1. WHAT IS THE <u>MAIN</u> SOURCE OF DRINKING WATER FOR MEMBERS OF YOUR HOUSEHOLD? | Piped water | |
| | Piped into dwelling..... | 11 |
| | Piped into compound, yard or plot..... | 12 |
| | Piped to neighbour..... | 13 |
| | Public tap / standpipe..... | 14 |
| | Tube Well, Borehole..... | 21 |
| | Dug well | |
| | Protected well..... | 31 |
| | Unprotected well | 32 |
| | Water from spring | |
| | Protected spring | 41 |
| | Unprotected spring..... | 42 |
| | Rainwater collection | 51 |
| | Tanker-truck..... | 61 |
| | Cart with small tank / drum..... | 71 |
| Surface water (river, stream, dam, lake, pond, canal, irrigation channel)..... | 81 | |
| Bottled water..... | 91 | |
| Sachet (pure) water | 92 | |
| Other (<i>specify</i>)..... | 96 | |
| WS2. WHAT IS THE <u>MAIN</u> SOURCE OF WATER USED BY YOUR HOUSEHOLD FOR OTHER PURPOSES SUCH AS COOKING AND HAND WASHING? | Piped water | |
| | Piped into dwelling..... | 11 |
| | Piped into compound, yard or plot..... | 12 |
| | Piped to neighbour..... | 13 |
| | Public tap / standpipe..... | 14 |
| | Tube Well, Borehole..... | 21 |
| | Dug well | |
| | Protected well..... | 31 |
| | Unprotected well | 32 |
| | Water from spring | |
| | Protected spring | 41 |
| | Unprotected spring..... | 42 |
| | Rainwater collection..... | 51 |
| | Tanker-truck..... | 61 |
| | Cart with small tank / drum..... | 71 |
| Surface water (river, stream, dam, lake, pond, canal, irrigation channel)..... | 81 | |
| Other (<i>specify</i>)..... | 96 | |
| WS3. WHERE IS THAT WATER SOURCE LOCATED? | In own dwelling..... | 1 |
| | In own yard / plot..... | 2 |
| | Elsewhere..... | 3 |
| WS4A. HOW LONG DOES IT TAKE TO GO THERE, GET WATER, AND COME BACK? | Number of minutes.. | _____ |
| | DK..... | 998 |
| WS4B. WHAT IS THE DISTANCE TO THE WATER SOURCE? | Less than 100 meters..... | 1 |
| | From 100 m to less than 1 km | 2 |
| | From 1 km to less than 2 km..... | 3 |
| | From 2 km to less than 4 km..... | 4 |
| | 4 km or more | 5 |
| | DK..... | 8 |
| WS5. WHO USUALLY GOES TO THIS SOURCE TO COLLECT THE WATER FOR YOUR HOUSEHOLD? <i>Probe:</i> IS THIS PERSON UNDER AGE 15? WHAT SEX? | Adult woman (age 15+ years) | 1 |
| | Adult man (age 15+ years)..... | 2 |
| | Female child (under 15)..... | 3 |
| | Male child (under 15)..... | 4 |
| | DK..... | 8 |
| | | |

| | | |
|--|---|----------------------|
| WS5A. IN THE PAST TWO WEEKS, WAS THE WATER FROM THIS SOURCE NOT AVAILABLE FOR AT LEAST ONE FULL DAY? | Yes..... 1 No 2 DK..... 8 | |
| WS6. DO YOU DO ANYTHING TO THE WATER TO MAKE IT SAFER TO DRINK? | Yes..... 1 No 2 DK..... 8 | 2⇒WS7A 8⇒WS7A |
| WS7. WHAT DO YOU USUALLY DO TO MAKE THE WATER SAFER TO DRINK? <i>Probe:</i> ANYTHING ELSE? <i>Record all items mentioned.</i> | Boil..... A Add bleach / chlorine/ Water Guard..... B Strain it through a cloth..... C Use water filter (ceramic, sand, composite, etc.)..... D Solar disinfection..... E Let it stand and settle..... F Add alum..... G Add water tablet..... H Other (<i>specify</i>)..... X DK..... Z | |
| WS7A. DO YOU USE A DIFFERENT SOURCE OF DRINKING WATER DURING THE DRY AND RAINY SEASONS? | Yes..... 1 No 2 DK..... 8 | 2⇒WS8 8⇒WS8 |
| WS7B. HOW LONG DOES IT TAKE TO GO THERE, GET WATER, AND COME BACK: [A] DURING THE RAINY SEASON? [B] DURING THE DRY SEASON? | Number of minutes: rainy season DK..... 998 Number of minutes: dry season DK..... 998 | |
| WS8. WHAT KIND OF TOILET FACILITY DO MEMBERS OF YOUR HOUSEHOLD USUALLY USE? <i>If “flush” or “pour flush”, probe:</i> WHERE DOES IT FLUSH TO? <i>If not possible to determine, ask permission to observe the facility.</i> | Flush / Pour flush Flush to piped sewer system..... 11 Flush to septic tank..... 12 Flush to pit (latrine)..... 13 Flush to somewhere else..... 14 Flush to unknown place / Not sure / DK where..... 15 Pit latrine Ventilated Improved Pit latrine (VIP)... 21 Pit latrine with slab..... 22 Pit latrine without slab / Open pit..... 23 Composting toilet..... 31 Bucket..... 41 Hanging toilet, Hanging latrine 51 No facility, Bush, Field..... 95 Other (<i>specify</i>)..... 96 | 95⇒Next Module |
| WS9. DO YOU SHARE THIS FACILITY WITH OTHERS WHO ARE NOT MEMBERS OF YOUR HOUSEHOLD? | Yes..... 1 No 2 | 2⇒Next Module |
| WS10. DO YOU SHARE THIS FACILITY ONLY WITH MEMBERS OF OTHER HOUSEHOLDS THAT YOU KNOW, OR IS THE FACILITY OPEN TO THE USE OF THE GENERAL PUBLIC? | Other households only (not public)..... 1 Public facility..... 2 | 2⇒Next Module |
| WS11. HOW MANY HOUSEHOLDS IN TOTAL USE THIS TOILET FACILITY, INCLUDING YOUR OWN HOUSEHOLD? | Number of households (if less than 10)..... 0 __ Ten or more households..... 10 DK..... 98 | |

| HANDWASHING | | HW | |
|---|---|--------|--------|
| HW1. WE WOULD LIKE TO LEARN ABOUT THE PLACES THAT HOUSEHOLDS USE TO WASH THEIR HANDS. CAN YOU PLEASE SHOW ME WHERE MEMBERS OF YOUR HOUSEHOLD <u>MOST OFTEN</u> WASH THEIR HANDS? | Observed | 1 | |
| | Not observed | | |
| | Not in dwelling / plot / yard | 2 | 2 ⇒HW4 |
| | No permission to see..... | 3 | 3 ⇒HW4 |
| | Moving object (kettle, basin, etc)..... | 4 | 4 ⇒HW4 |
| Other reason (specify) _____ | 6 | 6 ⇒HW4 | |
| HW2. Observe presence of water at the specific place for hand washing. Verify by checking the tap/pump, or basin, bucket, water container or similar objects for presence of water. | Water is available..... | 1 | |
| | Water is not available..... | 2 | |
| HW3A. Is soap, detergent or ash/mud/sand present at the specific place for hand washing? | Yes, present..... | 1 | |
| | No, not present..... | 2 | 2⇒HW4 |
| HW3B. Record your observation. Circle all that apply. | Bar soap..... | A | A⇒HH19 |
| | Detergent (Powder) | B | B⇒HH19 |
| | Liquid soap | C | C⇒HH19 |
| | Ash / Mud / Sand..... | D | D⇒HH19 |
| HW4. DO YOU HAVE ANY SOAP OR DETERGENT OR ASH/MUD/SAND IN YOUR HOUSE FOR WASHING HANDS? | Yes..... | 1 | |
| | No | 2 | 2⇒HH19 |
| HW5A. CAN YOU PLEASE SHOW IT TO ME? | Yes, shown..... | 1 | |
| | No, not shown..... | 2 | 2⇒HH19 |
| HW5B. Record your observation. Circle all that apply. | Bar soap | A | |
| | Detergent (Powder) | B | |
| | Liquid soap..... | C | |
| | Ash / Mud / Sand..... | D | |

| | | |
|-----------------------------------|----------------------------|--|
| HH19. Record the end time. | Hour and minutes ___ : ___ | |
|-----------------------------------|----------------------------|--|

| SALT IODIZATION | | SI |
|--|---|----|
| <p>SI1. WE WOULD LIKE TO CHECK WHETHER THE SALT USED IN YOUR HOUSEHOLD IS IODIZED. MAY I HAVE A SAMPLE OF THE SALT USED TO COOK MEALS IN YOUR HOUSEHOLD?</p> <p><i>Once you have tested the salt, circle number that corresponds to test outcome.</i></p> | Not iodized - 0 PPM | 1 |
| | More than 0 PPM & less than 15 PPM..... | 2 |
| | 15 PPM or more | 3 |
| | No salt in the house | 4 |
| | Salt not tested (specify reason) _____ | 5 |

HH20. Thank the respondent for his/her cooperation and check the List of Household Members:

A separate QUESTIONNAIRE FOR INDIVIDUAL WOMEN has been issued for each woman age 15-49 years in the List of Household Members (HL7).

Check HH8. If the household is selected for QUESTIONNAIRE FOR INDIVIDUAL MEN:

A separate Questionnaire for Individual Men has been issued for each man age 15-49 years in the List of Household Members (HL7A).

A separate QUESTIONNAIRE FOR CHILDREN UNDER FIVE has been issued for each child under age 5 years in the List of Household Members (HL7B).

Check HH8B. If the household is selected for WATER QUALITY TEST:

A separate Water Quality Questionnaire has been issued.

Return to the cover page and make sure that the result of the household interview (HH9), the name and line number of the respondent to the household questionnaire (HH10), and the number of eligible women (HH12), men (HH13A), and under-5s (HH14) are entered.

Make arrangements for the administration of the remaining questionnaire(s) in this household, and of the Water Quality Questionnaire if the household is selected for Water Quality Test.

Interviewer's Observations

Supervisor's Observations

| HOUSEHOLD INFORMATION PANEL | | HH |
|--|---|----|
| <p><i>This questionnaire form is to be used for households that have been selected for water quality testing.</i></p> | | |
| HH1. Cluster number: _____ | HH2. Household number: _____ | |
| HH3. Interviewer's name and number: Name _____ | HH4. Supervisor's name and number: Name _____ | |
| HH5. Day / Month / Year of interview: ____ / ____ / 2 0 16 | HH6. Area: Urban..... 1 Rural 2 | |
| HH7. State name: _____ Code _____ _____ | Refer to the sampling table provided for water quality testing to answer question WQ1. WQ1. Is the household selected for blank testing? Yes 1 No 2 | |
| HH8a. Name of Head of Household _____ _____ Tel.: _____ | WS1. Check and record response given in WS1 of the Household questionnaire _____ Main source of drinking water for household | |
| <p>AS PART OF THE SURVEY WE ARE ALSO LOOKING AT THE QUALITY OF HOUSEHOLD DRINKING WATER. YOUR HOUSEHOLD HAS BEEN RANDOMLY SELECTED FOR THIS PART OF THE SURVEY AND WE WOULD LIKE TO PERFORM A SIMPLE WATER QUALITY TEST USING SAMPLES OF YOUR USUAL DRINKING WATER. THE INTERVIEW WILL TAKE ABOUT 10 MINUTES. MAY I START NOW?</p> <p><input type="checkbox"/> YES, PERMISSION IS GIVEN ⇒ GO TO WQ3.</p> <p><input type="checkbox"/> NO, PERMISSION IS NOT GIVEN ⇒ CIRCLE 02 IN WQ2. THE MODULE IS COMPLETE. DISCUSS THIS RESULT WITH YOUR SUPERVISOR.</p> | | |
| WQ2 Result of water quality testing | Completed 01 Refused 02 Partly completed 03 Other (specify) 96 | |

| WATER QUALITY TESTING | | WQ |
|--|---|-------------------------------|
| WQ3. WE WOULD LIKE TO TEST YOUR DRINKING WATER. COULD YOU PLEASE PROVIDE ME WITH A GLASS OF WATER THAT YOU WOULD GIVE TO A CHILD TO DRINK? | Yes 1 No 2 | |
| WQ4. HAVE YOU DONE ANYTHING TO THE WATER TO MAKE IT SAFER TO DRINK? | Yes..... 1 No 2 Don't Know 8 | 2 ⇒ WQ6 8 ⇒ WQ6 |
| WQ5. WHAT HAVE YOU DONE TO THE WATER TO MAKE IT SAFER TO DRINK? | Boil..... A Add bleach / chlorine / Water Guard..... B Strain it through a cloth..... C Use water filter (ceramic, sand, composite, etc.)..... D Solar disinfection..... E Let it stand and settle..... F Add alum G Add water tablet/liquid H Other (<i>specify</i>)..... X DK..... Z | |
| WQ6. <i>Perform household water test</i> <i>Using the water from the glass of drinking water provided by the respondent conduct water quality test. Label H-XXXX-YY, where XXXX is the cluster number and YY is the household number. Record whether test was conducted.</i> | Household water test conducted 1 Household water test not conducted 2 | |
| WQ8. EARLIER, YOU TOLD US THE <u>MAIN</u> SOURCE OF DRINKING WATER FOR MEMBERS FOR YOUR HOUSEHOLD WAS _____. IS THIS GLASS OF WATER FROM THAT SOURCE? <i>Refer to the answer provided for Question WS1</i> | Yes..... 1 No 2 | 2 ⇒ WQ10 |
| WQ9. CAN YOU PLEASE SHOW ME YOUR MAIN SOURCE OF DRINKING WATER SO THAT I CAN TAKE A WATER SAMPLE FROM THAT PLACE? <i>If 'no' probe to find out why this is not possible? Thank the respondent. The module is complete.</i> | Yes 1 No Water source was not functional..... 2 Water source too far..... 3 Unable to access source 4 Do not know where source is located..... 5 Other reason (<i>specify</i>) 6 | 1 ⇒ WGP0 2-6 ⇒ NEXT MODULE |
| WQ10. FROM WHICH SOURCE WAS THE WATER YOU PROVIDED IN THIS GLASS COLLECTED? | Piped water Piped into dwelling 11 Piped into compound, yard or plot..... 12 Piped to neighbor..... 13 Public tap / standpipe..... 14 Tube Well, Borehole 21 Dug well Protected well 31 Unprotected well 32 Water from spring Protected spring..... 41 Unprotected spring..... 42 Rainwater collection..... 51 Tanker-truck..... 61 Cart with small tank / drum..... 71 Surface water (river, stream, dam, lake, pond, canal, irrigation channel) 81 Bottled water..... 91 Sachet (pure) water 92 Other (<i>specify</i>) 96 | |

| | | |
|---|---|-----------------------------------|
| <p>WQ11. CAN YOU PLEASE SHOW ME THE SOURCE OF THE GLASS OF DRINKING WATER SO THAT I CAN TAKE A WATER SAMPLE FROM THAT PLACE?</p> <p><i>If 'no' probe to find out why this is not possible? Thank the respondent. The module is complete.</i></p> | <p>Yes 1</p> <p>No</p> <p>Water source was not functional..... 2</p> <p>Water source too far..... 3</p> <p>Unable to access source 4</p> <p>Do not know where source is located..... 5</p> <p>Other reason (<i>specify</i>) 6</p> | <p>1 ⇒ WGP0</p> <p>2-6 ⇒ WQ13</p> |
| <p>WGP0 Ensure that the below position checklist is followed before recording reading (WGP1-WGP2) to the form:</p> <p><input type="checkbox"/> Checked estimated accuracy of reading to at least ± 5 meters</p> <p><input type="checkbox"/> Reading made at the water source</p> | | |
| <p>WATER SOURCE GPS LOCATION:</p> | <p>Degrees Decimal degrees</p> | |
| <p>WGP1. LATITUDE:</p> | <p>_____ . _____</p> | |
| <p>WGP2. LONGITUDE:</p> | <p>_____ . _____</p> | |
| <p>WQ12. Perform source water test</p> <p><i>Using a sample of water taken at the source conduct water quality test. Label S-XXXX-YY, where XXXX is the cluster number and YY is the household number.</i></p> <p><i>Record whether test was conducted.</i></p> | <p>Source water test conducted 1</p> <p>Source water test not conducted 2</p> | |
| <p>WQ13. Check WQ1</p> <p><input type="checkbox"/> Household was selected for blank water testing ⇒ WQ14</p> <p><input type="checkbox"/> Household was not selected for blank water testing ⇒ Thank the respondent. The module is complete.</p> | | |
| <p>WQ14: Perform blank water test</p> <p><i>Using a sample of sterile water given by the supervisor conduct water quality test. Label B-XXXX-YY, where XXXX is the cluster number and YY is the household number.</i></p> <p><i>Record whether test was conducted.</i></p> | <p>Blank water test conducted 1</p> <p>Blank water test not conducted 2</p> | |
| <p><i>Thank the respondent. The module is complete.</i></p> | | |

WATER QUALITY TESTING RESULTS

WQ

Following 24-48 hours of incubation the results from the water quality tests should be recorded.

WQ15. Day / Month / Year of recording test results: _____ / _____ / 2016

In the boxes below:
 -Record 3-digit count of colonies.
 -If more than 99 colonies are counted, record '100'
 -If it is not possible to read results / results are lost, record '998'
 -If microbial testing was not done, record '999'

Record results of Household water test

| | | |
|--|--------------------|-------|
| WQ16. Record number of red/pink colonies in 1 mL household water sample | Number of colonies | _____ |
| WQ17. Record number of blue colonies in 1 mL household water sample | Number of colonies | _____ |
| WQ18. Record number of red/pink colonies in 100 mL household water sample | Number of colonies | _____ |
| WQ19. Record number of blue colonies in 100 mL household water sample | Number of colonies | _____ |
| Record results of Source water test | | |
| WQ20. Record number of red/pink colonies in 1 mL Source water sample | Number of colonies | _____ |
| WQ21. Record number of blue colonies in 1 mL Source water sample | Number of colonies | _____ |
| WQ22. Record number of red/pink colonies in 100 mL Source water sample | Number of colonies | _____ |
| WQ23. Record number of blue colonies in 100 mL Source water sample | Number of colonies | _____ |
| Record results of <u>Blank</u> water test | | |
| WQ24 Record number of red/pink colonies in 1 mL Blank water sample | Number of colonies | _____ |
| WQ25 Record number of blue colonies in 1 mL Blank water sample | Number of colonies | _____ |
| WQ26 Record number of red/pink colonies in 100 mL Blank water sample | Number of colonies | _____ |
| WQ27 Record number of blue colonies in 100 mL Blank water sample | Number of colonies | _____ |

Measurer's Observations

Supervisor's Observations

| WOMAN'S INFORMATION PANEL | | WM |
|--|---|-----------|
| <i>This questionnaire is to be administered to all women age 15 through 49 (see List of Household Members, column HL7). A separate questionnaire should be used for each eligible woman.</i> | | |
| WM1. Cluster number: _____ | WM2. Household number: _____ | |
| WM3. Woman's name: Name _____ | WM4. Woman's line number: _____ | |
| WM5. Interviewer's name and number: Name _____ | WM6. Day / Month / Year of interview: ____ / ____ / 2 0 1 6 | |

| | |
|---|---|
| <p><i>Repeat greeting if not already read to this woman:</i></p> <p>WE ARE FROM THE NATIONAL BUREAU OF STATISTICS. WE ARE CONDUCTING A SURVEY ABOUT THE SITUATION OF CHILDREN, FAMILIES AND HOUSEHOLDS. I WOULD LIKE TO TALK TO YOU ABOUT THESE SUBJECTS. THE INTERVIEW WILL TAKE ABOUT 30 MINUTES. ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND ANONYMOUS.</p> | <p><i>If greeting at the beginning of the household questionnaire has already been read to this woman, then read the following:</i></p> <p>NOW I WOULD LIKE TO TALK TO YOU MORE ABOUT YOUR HEALTH AND OTHER TOPICS. THIS INTERVIEW WILL TAKE ABOUT 30 MINUTES. AGAIN, ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND ANONYMOUS.</p> |
| <p>MAY I START NOW?</p> <p><input type="checkbox"/> <i>Yes, permission is given</i> ⇒ Go to WM10 to record the time and then begin the interview.</p> <p><input type="checkbox"/> <i>No, permission is not given</i> ⇒ Circle "03" in WM7. Discuss this result with your supervisor.</p> | |

| | |
|---|---|
| WM7. Result of woman's interview | <p>Completed.....01</p> <p>Not at home.....02</p> <p>Refused.....03</p> <p>Partly completed.....04</p> <p>Incapacitated.....05</p> <p>Other (specify)_____ 96</p> |
|---|---|

| | |
|---|--|
| WM8. Field Supervisor's name and number: Name _____ | |
|---|--|

| | | |
|------------------------------------|------------------------------|--|
| WM10. Record the start time | Hour and minutes ____ : ____ | |
|------------------------------------|------------------------------|--|

| | |
|---------------------------|-----------|
| WOMAN'S BACKGROUND | WB |
|---------------------------|-----------|

| | | |
|---|--|-------|
| WB1. IN WHAT MONTH AND YEAR WERE YOU BORN? | Date of birth Month ____ DK month 98 Year ____ DK year 9998 | |
| WB2. HOW OLD ARE YOU? <i>Probe: HOW OLD WERE YOU AT YOUR LAST BIRTHDAY?</i> <i>Compare and correct WB1 and/or WB2 if inconsistent.</i> | Age (in completed years) ____ | |
| WB3. HAVE YOU EVER ATTENDED SCHOOL, PRESCHOOL OR NON-FORMAL EDUCATION? | Yes..... 1 No..... 2 | 2⇒WB7 |
| WB4. WHAT IS THE HIGHEST LEVEL OF SCHOOL YOU ATTENDED? | Preschool 0 Primary..... 1 Secondary..... 2 Higher..... 3 Non-formal 4 | 4⇒WB7 |
| WB5. WHAT IS THE HIGHEST GRADE YOU COMPLETED AT THAT LEVEL? | Grade ____ | |
| WB6. Check WB4: <input type="checkbox"/> <i>Secondary or higher (WB4=2 or 3) ⇒ Go to Next Module.</i> <input type="checkbox"/> <i>Preschool or primary or non-formal (WB4= 0 or 1 or 4) ⇒ Continue with WB7.</i> | | |
| WB7. NOW I WOULD LIKE YOU TO READ THIS SENTENCE TO ME. <i>Show sentence on the card to the respondent.</i> <i>If respondent cannot read whole sentence, probe:</i> CAN YOU READ PART OF THE SENTENCE TO ME? | Cannot read at all..... 1 Able to read only parts of sentence..... 2 Able to read whole sentence..... 3 No sentence in required language..... 4 <i>(specify language)</i> Blind / visually impaired..... 5 | |

| Codes for Grades in WB5. | | | |
|--------------------------|--------------------|--|---|
| Preschool | Primary | Secondary or (Secondary Technical) | Higher |
| Never completed | Never completed | Never completed | Never completed NCE, AL, OND, Technical, HND, BSc |
| Nursery 1 00 | Primary 1 10 | JSS 1 20 | 30 |
| Nursery 1 01 | Primary 1 11 | JSS 1 21 | NCE 31 |
| Nursery 2 02 | Primary 2 12 | JSS 2 22 | AL/OND 32 |
| Nursery 3 03 | Primary 3 13 | JSS 3 23 | Higher Technical/TTC 33 |
| | Primary 4 14 | SS 1/T1 24 | HND 34 |
| | Primary 5 15 | SS 2/T2 25 | BSc 35 |
| | Primary 6 16 | SS 3/T3 26 | Post Graduate 36 |

| ACCESS TO MASS MEDIA AND USE OF INFORMATION/COMMUNICATION TECHNOLOGY | | MT |
|--|---|-------------------|
| MT1. Check WB7: <input type="checkbox"/> Question left blank (Respondent has secondary or higher education) ⇒ Continue with MT2. <input type="checkbox"/> Able to read or no sentence in required language (WB7 = 2, 3 or 4) ⇒ Continue with MT2. <input type="checkbox"/> Cannot read at all or blind/visually impaired (WB7 = 1 or 5) ⇒ Go to MT3. | | |
| MT2. HOW OFTEN DO YOU READ A NEWSPAPER OR MAGAZINE: ALMOST EVERY DAY, AT LEAST ONCE A WEEK, LESS THAN ONCE A WEEK OR NOT AT ALL? | Almost every day..... 1 At least once a week..... 2 Less than once a week..... 3 Not at all..... 4 | |
| MT3. DO YOU LISTEN TO THE RADIO ALMOST EVERY DAY, AT LEAST ONCE A WEEK, LESS THAN ONCE A WEEK OR NOT AT ALL? | Almost every day..... 1 At least once a week..... 2 Less than once a week..... 3 Not at all..... 4 | |
| MT4. HOW OFTEN DO YOU WATCH TELEVISION: WOULD YOU SAY THAT YOU WATCH ALMOST EVERY DAY, AT LEAST ONCE A WEEK, LESS THAN ONCE A WEEK OR NOT AT ALL? | Almost every day..... 1 At least once a week..... 2 Less than once a week..... 3 Not at all..... 4 | |
| MT5. Check WB2: Age of respondent? <input type="checkbox"/> Age 15-24 ⇒ Continue with MT6. <input type="checkbox"/> Age 25-49 ⇒ Go to Next Module. | | |
| MT6. HAVE YOU EVER USED A COMPUTER? | Yes..... 1 No 2 | 2⇒MT9 |
| MT7. HAVE YOU USED A COMPUTER FROM ANY LOCATION IN THE LAST 12 MONTHS? | Yes..... 1 No 2 | 2⇒MT9 |
| MT8. DURING THE LAST ONE MONTH, HOW OFTEN DID YOU USE A COMPUTER: ALMOST EVERY DAY, AT LEAST ONCE A WEEK, LESS THAN ONCE A WEEK OR NOT AT ALL? | Almost every day..... 1 At least once a week..... 2 Less than once a week..... 3 Not at all..... 4 | |
| MT9. HAVE YOU EVER USED THE INTERNET? | Yes..... 1 No 2 | 2⇒Next Module |
| MT10. IN THE LAST 12 MONTHS, HAVE YOU USED THE INTERNET? <i>If necessary, probe for use from any location, with any device.</i> | Yes..... 1 No 2 | 2⇒ Next Module |
| MT11. DURING THE LAST ONE MONTH, HOW OFTEN DID YOU USE THE INTERNET: ALMOST EVERY DAY, AT LEAST ONCE A WEEK, LESS THAN ONCE A WEEK OR NOT AT ALL? | Almost every day..... 1 At least once a week..... 2 Less than once a week..... 3 Not at all..... 4 | |

| FERTILITY/BIRTH HISTORY | | CM |
|---|---|--------|
| CM1. NOW I WOULD LIKE TO ASK ABOUT ALL THE BIRTHS YOU HAVE HAD DURING YOUR LIFE. HAVE YOU EVER GIVEN BIRTH? | Yes..... 1 No 2 | 2⇒CM8 |
| CM4. DO YOU HAVE ANY SONS OR DAUGHTERS TO WHOM YOU HAVE GIVEN BIRTH WHO ARE NOW LIVING WITH YOU? | Yes..... 1 No 2 | 2⇒CM6 |
| CM5. HOW MANY SONS LIVE WITH YOU? HOW MANY DAUGHTERS LIVE WITH YOU? <i>If none, record "00".</i> | Sons at home --- Daughters at home --- | |
| CM6. DO YOU HAVE ANY SONS OR DAUGHTERS TO WHOM YOU HAVE GIVEN BIRTH WHO ARE ALIVE BUT DO NOT LIVE WITH YOU? | Yes..... 1 No 2 | 2⇒CM8 |
| CM7. HOW MANY SONS ARE ALIVE BUT DO NOT LIVE WITH YOU? HOW MANY DAUGHTERS ARE ALIVE BUT DO NOT LIVE WITH YOU? <i>If none, record "00".</i> | Sons elsewhere --- Daughters elsewhere --- | |
| CM8. HAVE YOU EVER GIVEN BIRTH TO A BOY OR GIRL WHO WAS BORN ALIVE BUT LATER DIED? <i>If "No" probe by asking: I MEAN, TO A CHILD WHO EVER BREATHED OR CRIED OR SHOWED OTHER SIGNS OF LIFE – EVEN IF HE OR SHE LIVED ONLY A FEW MINUTES OR HOURS?</i> | Yes..... 1 No 2 | 2⇒CM10 |
| CM9. HOW MANY BOYS HAVE DIED? HOW MANY GIRLS HAVE DIED? <i>If none, record "00".</i> | Boys dead --- Girls dead --- | |
| CM10. <i>Sum answers to CM5, CM7, and CM9.</i> | Sum --- | |
| CM11. JUST TO MAKE SURE THAT I HAVE THIS RIGHT, YOU HAVE HAD IN TOTAL (<i>total number in CM10</i>) LIVE BIRTHS DURING YOUR LIFE. IS THIS CORRECT? <input type="checkbox"/> Yes. <i>Check below:</i> <input type="checkbox"/> <i>No live births ⇒ Go to ILLNESS SYMPTOMS Module.</i> <input type="checkbox"/> <i>One or more live births ⇒ Continue with the BIRTH HISTORY module.</i> <input type="checkbox"/> No. <i>⇒ Check responses to CM1-CM10 and make corrections as necessary before proceeding to the BIRTH HISTORY Module or ILLNESS SYMPTOMS Module.</i> | | |

| BIRTH HISTORY | | | | | | | | | | | | | | BH | | | | |
|---|---|--------------------------------------|------------|---------------------------------|--------|--|------|-----------------------------|---|---|---------------------------------|---|--|---|--------|--|---|---|
| NOW I WOULD LIKE TO RECORD THE NAMES OF ALL OF YOUR BIRTHS, WHETHER STILL ALIVE OR NOT, STARTING WITH THE FIRST ONE YOU HAD. Record names of all of the births in BH1. Record twins and triplets on separate lines. If there are more than 14 births, use an additional questionnaire. | | | | | | | | | | | | | | | | | | |
| BH Line No. | BH1. WHAT NAME WAS GIVEN TO YOUR (first/next) BABY? | BH2. WERE ANY OF THESE BIRTHS TWINS? | | BH3. IS (name) A BOY OR A GIRL? | | BH4. IN WHAT MONTH AND YEAR WAS (name) BORN? Probe: WHAT IS HIS/HER BIRTHDAY? | | BH5. IS (name) STILL ALIVE? | | BH6. HOW OLD WAS (name) AT HIS/HER LAST BIRTHDAY? Record age in completed years. | BH7. IS (name) LIVING WITH YOU? | | BH8. Record household line number of child (from HLI) Record "00" if child is not listed. | BH9. If dead: HOW OLD WAS (name) WHEN HE/SHE DIED? If "1 year", probe: HOW MANY MONTHS OLD WAS (name)? Record days if less than 1 month; record days and 00 if child lived less than a day; record months if less than 2 years; or years if 2 or more years | | BH10. WERE THERE ANY OTHER LIVE BIRTHS BETWEEN (name of previous birth) AND (name), INCLUDING ANY CHILDREN WHO DIED AFTER BIRTH? | | |
| | | 1 Single | 2 Multiple | 1 Boy | 2 Girl | Month | Year | Y | N | Age | Y | N | Line No | Unit | Number | Y | N | |
| 01 | | 1 | 2 | 1 | 2 | ___ | ___ | 1 | 2 | ___ | 1 | 2 | ⇒ Next Line | Days.....1 Months.....2 Years.....3 | ___ | ___ | | |
| 02 | | 1 | 2 | 1 | 2 | ___ | ___ | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | ___ | 1 | 2 |
| 03 | | 1 | 2 | 1 | 2 | ___ | ___ | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | ___ | 1 | 2 |
| 04 | | 1 | 2 | 1 | 2 | ___ | ___ | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | ___ | 1 | 2 |
| 05 | | 1 | 2 | 1 | 2 | ___ | ___ | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | ___ | 1 | 2 |
| 06 | | 1 | 2 | 1 | 2 | ___ | ___ | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | ___ | 1 | 2 |
| 07 | | 1 | 2 | 1 | 2 | ___ | ___ | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | ___ | 1 | 2 |

| BIRTH HISTORY | | | | | | | | | | | | | BH | | | | | | |
|---|--|---|---|------------------------------------|--|-------|--------------------------------|--|---|------------------------------------|-----|---|---|---------|---|--------|---|---|-------------------------|
| <p>NOW I WOULD LIKE TO RECORD THE NAMES OF ALL OF YOUR BIRTHS, WHETHER STILL ALIVE OR NOT, STARTING WITH THE FIRST ONE YOU HAD. <i>Record names of all of the births in BH1. Record twins and triplets on separate lines. If there are more than 14 births, use an additional questionnaire.</i></p> | | | | | | | | | | | | | | | | | | | |
| BH Line No. | BH1. WHAT NAME WAS GIVEN TO YOUR (first/next) BABY? | BH2. WERE ANY OF THESE BIRTHS TWINS? | | BH3. IS (name) A BOY OR A GIRL? | BH4. IN WHAT MONTH AND YEAR WAS (name) BORN? <i>Probe: WHAT IS HIS/HER BIRTHDAY?</i> | | BH5. IS (name) STILL ALIVE? | | BH6. HOW OLD WAS (name) AT HIS/HER LAST BIRTHDAY? <i>Record age in completed years.</i> | BH7. IS (name) LIVING WITH YOU? | | BH8. <i>Record household line number of child (from HLI)</i> <i>Record "00" if child is not listed.</i> | BH9. <i>If dead:</i> HOW OLD WAS (name) WHEN HE/SHE DIED? <i>If "1 year", probe:</i> HOW MANY MONTHS OLD WAS (name)? <i>Record days if less than 1 month; record days and 00 if child lived less than a day; record months if less than 2 years; or years if 2 or more years</i> | | BH10. WERE THERE ANY OTHER LIVE BIRTHS BETWEEN (name of previous birth) AND (name), INCLUDING ANY CHILDREN WHO DIED AFTER BIRTH? | | | | |
| | | S | M | B | G | Month | Year | | Y | N | Age | Y | N | Line No | Unit | Number | Y | N | |
| 08 | | 1 | 2 | 1 | 2 | ___ | ___ | | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | 1 | 2 | Add Birth Next Birth |
| 09 | | 1 | 2 | 1 | 2 | ___ | ___ | | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | 1 | 2 | Add Birth Next Birth |
| 10 | | 1 | 2 | 1 | 2 | ___ | ___ | | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | 1 | 2 | Add Birth Next Birth |
| 11 | | 1 | 2 | 1 | 2 | ___ | ___ | | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | 1 | 2 | Add Birth Next Birth |
| 12 | | 1 | 2 | 1 | 2 | ___ | ___ | | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | 1 | 2 | Add Birth Next Birth |
| 13 | | 1 | 2 | 1 | 2 | ___ | ___ | | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | 1 | 2 | Add Birth Next Birth |
| 14 | | 1 | 2 | 1 | 2 | ___ | ___ | | 1 | 2 | ___ | 1 | 2 | ⇒ BH10 | Days.....1 Months.....2 Years.....3 | ___ | 1 | 2 | Add Birth Next Birth |
| BH11. HAVE YOU HAD ANY LIVE BIRTHS SINCE THE BIRTH OF (name of last birth in BIRTH HISTORY Module)? | | | | | | | | | | Yes..... 1 No..... 2 | | | | | 1⇒Record birth(s) in Birth History | | | | |

CM12A. Compare number in CM10 with number of births in the BIRTH HISTORY Module above and check:

- Numbers are same ⇒ Continue with CM13.
- Numbers are different ⇒ Probe and reconcile.

CM13. Check BH4 in BIRTH HISTORY Module: Last birth occurred within the last 2 years, that is, since (month of interview) in **2014** (if the month of interview and the month of birth are the same, and the year of birth is **2014**, consider this as a birth within the last 2 years)

- No live birth in last 2 years. ⇒ Go to ILLNESS SYMPTOMS Module.
- One or more live births in last 2 years. ⇒ Record name of last born child and continue with Next Module.

Name of last-born child _____

If child has died, take special care when referring to this child by name in the following modules.

DESIRE FOR LAST BIRTH**DB**

*This module is to be administered to all women with a live birth in the 2 years preceding the date of interview.
 Record name of last-born child from CM13 here _____.
 Use this child's name in the following questions, where indicated.*

| | | |
|--|---------------------------------------|------------------|
| DB1. WHEN YOU GOT PREGNANT WITH (<i>name</i>), DID YOU WANT TO GET PREGNANT AT THAT TIME? | Yes 1 No 2 | 1⇒Next Module |
| DB2. DID YOU WANT TO HAVE A BABY LATER ON, OR DID YOU NOT WANT ANY (MORE) CHILDREN? | Later 1 No more 2 | 2⇒Next Module |
| DB3. HOW MUCH LONGER DID YOU WANT TO WAIT? <i>Record the answer as stated by respondent.</i> | Months 1 ___ Years 2 ___ DK 998 | |

MATERNAL AND NEWBORN HEALTH

MN

*This module is to be administered to all women with a live birth in the 2 years preceding the date of interview.
Record name of last-born child from CM13 here _____.
Use this child's name in the following questions, where indicated.*

| | | |
|---|---|------------------------|
| <p>MN1. DID YOU SEE ANYONE FOR ANTENATAL CARE DURING YOUR PREGNANCY WITH (<i>name</i>)?</p> | <p>Yes..... 1 No 2</p> | <p>2⇒MN5</p> |
| <p>MN2. WHOM DID YOU SEE? <i>Probe:</i> ANYONE ELSE? <i>Probe for the type of person seen and circle all answers given.</i></p> | <p>Health professional: Doctor A Nurse / Midwife..... B Auxiliary midwife/MCH Aide/CHEW..... C Other person Traditional birth attendant..... F Community health worker..... G Other (<i>specify</i>) X</p> | |
| <p>MN2A. HOW MANY WEEKS OR MONTHS PREGNANT WERE YOU WHEN YOU FIRST RECEIVED ANTENATAL CARE FOR THIS PREGNANCY? <i>Record the answer as stated by respondent.</i></p> | <p>Weeks 1 — — Months 2 0 — DK..... 998</p> | |
| <p>MN3. HOW MANY TIMES DID YOU RECEIVE ANTENATAL CARE DURING THIS PREGNANCY? <i>Probe to identify the number of times antenatal care was received. If a range is given, record the minimum number of times antenatal care received.</i></p> | <p>Number of times..... — —</p> | |
| <p>MN4. AS PART OF YOUR ANTENATAL CARE DURING THIS PREGNANCY, WERE ANY OF THE FOLLOWING DONE AT LEAST ONCE: [A] WAS YOUR BLOOD PRESSURE MEASURED? [B] DID YOU GIVE A URINE SAMPLE? [C] DID YOU GIVE A BLOOD SAMPLE?</p> | <p style="text-align: right;">Yes No</p> <p>Blood pressure..... 1 2 Urine sample..... 1 2 Blood sample 1 2</p> | |
| <p>MN5. DO YOU HAVE A CARD OR OTHER DOCUMENT WITH YOUR OWN IMMUNIZATIONS LISTED? MAY I SEE IT PLEASE? <i>If a card is presented, use it to assist with answers to the following questions.</i></p> | <p>Yes (card seen)..... 1 Yes (card not seen) 2 No 3 DK..... 8</p> | |
| <p>MN6. WHEN YOU WERE PREGNANT WITH (<i>name</i>), DID YOU RECEIVE ANY INJECTION IN THE ARM OR SHOULDER TO PREVENT THE BABY FROM GETTING TETANUS, THAT IS CONVULSIONS AFTER BIRTH?</p> | <p>Yes..... 1 No 2 DK..... 8</p> | <p>2⇒MN9 8⇒MN9</p> |
| <p>MN7. HOW MANY TIMES DID YOU RECEIVE THIS TETANUS INJECTION DURING YOUR PREGNANCY WITH (<i>name</i>)?</p> | <p>Number of times..... — DK..... 8</p> | <p>8⇒MN9</p> |

| | | |
|--|--|---|
| MN8. How many tetanus injections during last pregnancy were reported in MN7? <input type="checkbox"/> At least two tetanus injections during last pregnancy. ⇒ Go to MN12. <input type="checkbox"/> Only one tetanus injection during last pregnancy. ⇒ Continue with MN9. | | |
| MN9. DID YOU RECEIVE ANY TETANUS INJECTION AT ANY TIME BEFORE YOUR PREGNANCY WITH (name), EITHER TO PROTECT YOURSELF OR ANOTHER BABY? | Yes..... 1 No 2 DK..... 8 | 2⇒MN12 8⇒MN12 |
| MN10. HOW MANY TIMES DID YOU RECEIVE A TETANUS INJECTION BEFORE YOUR PREGNANCY WITH (name)? <i>If 5 or more times, record '5'.</i> | Number of times..... — DK..... 8 | 8⇒MN12 |
| MN11. HOW MANY YEARS AGO DID YOU RECEIVE THE LAST TETANUS INJECTION BEFORE YOUR PREGNANCY WITH (name)? <i>If less than 1 year, record '00'.</i> | Years ago..... — — | |
| MN12. Check MN1 for presence of antenatal care during this pregnancy: <input type="checkbox"/> Yes, antenatal care received. ⇒ Continue with MN13. <input type="checkbox"/> No antenatal care received ⇒ Go to MN17. | | |
| MN13. DURING (ANY OF) YOUR ANTENATAL VISIT(S) FOR THE PREGNANCY WITH (name), DID YOU TAKE ANY MEDICINE IN ORDER TO PREVENT YOU FROM GETTING MALARIA? | Yes..... 1 No 2 DK..... 8 | 2⇒MN17 8⇒MN17 |
| MN14. WHICH MEDICINES DID YOU TAKE TO PREVENT MALARIA? <i>Circle all medicines taken. If type of medicine is not determined, show typical anti-malarial to respondent.</i> | Sulphadoxine Pyrimethamine /Fansidar..... A Chloroquine..... B Other (specify) _____ X DK..... Z | |
| MN15. Check MN14 for medicine taken: <input type="checkbox"/> Sulphadoxine Pyrimethamine /Fansidar taken. ⇒ Continue with MN16. <input type="checkbox"/> Sulphadoxine Pyrimethamine /Fansidar not taken. ⇒ Go to MN17. | | |
| MN16. DURING YOUR PREGNANCY WITH (name), HOW MANY TIMES DID YOU TAKE SP/ FANSIDAR IN TOTAL? PLEASE INCLUDE ALL THAT YOU OBTAINED EITHER DURING AN ANTENATAL CARE VISIT, DURING A VISIT TO A HEALTH FACILITY OR FROM ANOTHER SOURCE? | Number of times..... — — DK..... 98 | |
| MN17. WHO ASSISTED WITH THE DELIVERY OF (name)? <i>Probe:</i> ANYONE ELSE? <i>Probe for the type of person assisting and circle all answers given.</i> <i>If respondent says no one assisted, probe to determine whether any adults were present at the delivery.</i> | Health professional: Doctor A Nurse / Midwife..... B Auxiliary midwife/MCH Aide/CHEW..... C Other person Traditional birth attendant..... F Community health worker..... G Relative / Friend H Other (specify)..... X No one Y | |
| MN18. WHERE DID YOU GIVE BIRTH TO (name)? <i>Probe to identify the type of source.</i> <i>If unable to determine whether public or private, write the name of the place.</i> _____ (Name of place) | Home Respondent's home..... 11 Other home..... 12 Public sector Government hospital..... 21 Government clinic / health centre..... 22 Government health post..... 23 Other public (specify)..... 26 Private Medical Sector Private hospital..... 31 Private clinic..... 32 Private maternity home..... 33 Other private medical (specify)..... 36 Other (specify)..... 96 | 11⇒ MN19B 12⇒ MN19B 96⇒ MN19B |

| | | |
|---|--|------------------|
| MN19. WAS (<i>name</i>) DELIVERED BY CAESAREAN SECTION? THAT IS, DID THEY CUT YOUR BELLY OPEN TO TAKE THE BABY OUT? | Yes..... 1 No 2 | 2⇒ MN19B |
| MN19A. WHEN WAS THE DECISION MADE TO HAVE THE CAESAREAN SECTION? WAS IT BEFORE OR AFTER YOUR LABOUR PAINS STARTED? | Before..... 1 After..... 2 | |
| MN19B. NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT WHAT HAPPENED SOON AFTER THE BIRTH OF (<i>name</i>). WAS (<i>name</i>) DRIED (OR WIPED) AFTER BIRTH? | Yes..... 1 No 2 DK..... 8 | |
| MN19C. AFTER THE BIRTH, WAS (<i>name</i>) PUT DIRECTLY ON THE BARE SKIN OF YOUR CHEST? <i>Show the woman a picture of skin-to-skin position.</i> | Yes..... 1 No 2 DK..... 8 | |
| MN19D. HOW LONG AFTER THE BIRTH WAS (<i>name</i>) BATHED FOR THE FIRST TIME? <i>If less than 1 hour, record '00' hours. Otherwise, record hours.</i> | Immediately..... 000 Hours..... 1 ___ DK / Don't remember..... 998 | |
| MN19E. Check MN18: Was the child delivered in a health facility? <input type="checkbox"/> Yes, the child was delivered in a health facility (MN18=21-26 or 31-36) ⇒ Go to MN19H <input type="checkbox"/> No, the child was not delivered in a health facility (MN18=11-12 or 96) ⇒ Continue with MN19F | | |
| MN19F. WHAT WAS USED TO CUT THE CORD? | New blade..... A Blade used for other purposes B Scissors..... C Other (<i>specify</i>) _____ X | |
| MN19G. WAS THE INSTRUMENT USED TO CUT THE CORD BOILED PRIOR TO USE? | Yes..... 1 No 2 DK..... 8 | |
| MN19H. WAS ANYTHING APPLIED TO THE CORD AFTER IT WAS CUT AND TIED UNTIL IT FELL OFF? | Yes..... 1 No 2 DK..... 8 | 2⇒MN20 8⇒MN20 |
| MN19I. WHAT WAS APPLIED TO THE CORD? <i>Probe:</i> ANYTHING ELSE? | Chlorhexidine A Other antiseptic (alcohol, spirit, gentian violet) B Mustard or other oil C Animal dung..... D Other (<i>specify</i>) _____ X | |
| MN20. WHEN (<i>name</i>) WAS BORN, WAS HE/SHE VERY LARGE, LARGER THAN AVERAGE, AVERAGE, SMALLER THAN AVERAGE, OR VERY SMALL? | Very large..... 1 Larger than average..... 2 Average..... 3 Smaller than average..... 4 Very small..... 5 DK..... 8 | |
| MN21. WAS (<i>name</i>) WEIGHED AT BIRTH? | Yes..... 1 No 2 DK..... 8 | 2⇒MN23 8⇒MN23 |
| MN22. HOW MUCH DID (<i>name</i>) WEIGH? <i>If a card is available, record weight from card.</i> | From card..... 1 (kg) ___ . ____ From recall..... 2 (kg) ___ . ____ DK..... 99998 | |

| | | |
|---|---|------------------|
| MN23. HAS YOUR MENSTRUAL PERIOD RETURNED SINCE THE BIRTH OF (<i>name</i>)? | Yes..... 1 No..... 2 | |
| MN24. DID YOU EVER BREASTFEED (<i>name</i>)? | Yes..... 1 No 2 | 2⇒Next Module |
| MN25. HOW LONG AFTER BIRTH DID YOU FIRST PUT (<i>name</i>) TO THE BREAST? <i>If less than 1 hour, record "00" hours. If less than 24 hours, record hours. Otherwise, record days.</i> | Immediately..... 000 Hours.....1 __ __ Days..... 2 __ __ DK / Don't remember..... 998 | |
| MN26. IN THE FIRST THREE DAYS AFTER DELIVERY, WAS (<i>name</i>) GIVEN ANYTHING TO DRINK OTHER THAN BREAST MILK? | Yes..... 1 No 2 | 2⇒Next Module |
| MN27. WHAT WAS (<i>name</i>) GIVEN TO DRINK? <i>Probe:</i> ANYTHING ELSE? | Milk (other than breast milk)..... A Plain water..... B Sugar or glucose water..... C Gripe water..... D Sugar-salt-water solution..... E Fruit juice F Infant formula..... G Tea / Infusions..... H Honey..... I Other (<i>specify</i>) _____ X | |

POST-NATAL HEALTH CHECKS

PN

*This module is to be administered to all women with a live birth in the 2 years preceding the date of interview.
Record name of last-born child from CM13 here _____.
Use this child's name in the following questions, where indicated.*

| | | Yes | No | DK |
|---|-------------------------------|-----|----|----|
| PN0. DURING THE FIRST TWO DAYS AFTER BIRTH, DID ANY HEALTH CARE PROVIDER DO THE FOLLOWING ACTIONS FOR YOUR NEWBORN (<i>name</i>) EITHER AT HOME OR A FACILITY: | | | | |
| [A] EXAMINE THE CORD? | Examine the cord..... | 1 | 2 | 8 |
| [B] COUNSEL YOU ON DANGER SIGNS FOR NEWBORNS? | Danger signs | 1 | 2 | 8 |
| [C] ASSESS THE TEMPERATURE OF YOUR NEWBORN (<i>name</i>)? | Assess temperature..... | 1 | 2 | 8 |
| [D] COUNSEL YOU ON BREASTFEEDING AND OBSERVE YOUR NEWBORN (<i>name</i>) BREASTFEEDING? | Counsel on breastfeeding..... | 1 | 2 | 8 |
| [E] ASSESS THE WEIGHT OF YOUR NEWBORN (<i>name</i>)? | Weigh newborn..... | 1 | 2 | 8 |

PN1. Check MN18: Was the child delivered in a health facility?

Yes, the child was delivered in a health facility (MN18=21-26 or 31-36) ⇒ Continue with PN2.

No, the child was not delivered in a health facility (MN18=11-12 or 96) ⇒ Go to PN6.

| | | | | |
|--|---------------------|-----|--|--|
| PN2. NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT WHAT HAPPENED IN THE HOURS AND DAYS AFTER THE BIRTH OF (<i>name</i>). YOU HAVE SAID THAT YOU GAVE BIRTH IN (<i>name or type of facility in MN18</i>). HOW LONG DID YOU STAY THERE AFTER THE DELIVERY? <i>If less than one day, record hours. If less than one week, record days. Otherwise, record weeks.</i> | Hours 1 ___ | | | |
| | Days 2 ___ | | | |
| | Weeks 3 ___ | | | |
| | DK / Don't remember | 998 | | |

| | | | | |
|---|----------|--|---|--|
| PN3. I WOULD LIKE TO TALK TO YOU ABOUT CHECKS ON (<i>name</i>)'S HEALTH AFTER DELIVERY – FOR EXAMPLE, SOMEONE EXAMINING (<i>name</i>), OR SEEING IF (<i>name</i>) IS OK. BEFORE YOU LEFT THE (<i>name or type of facility in MN18</i>), DID ANYONE CHECK ON (<i>name</i>)'S HEALTH? | Yes..... | | 1 | |
| | No | | 2 | |

| | | | | |
|--|----------|--|---|--|
| PN4. AND WHAT ABOUT CHECKS ON <u>YOUR</u> HEALTH – I MEAN, SOMEONE ASSESSING YOUR HEALTH, FOR EXAMPLE ASKING QUESTIONS ABOUT YOUR HEALTH OR EXAMINING YOU? DID ANYONE CHECK ON <u>YOUR</u> HEALTH BEFORE YOU LEFT (<i>name or type or facility in MN18</i>)? | Yes..... | | 1 | |
| | No | | 2 | |

| | | | | |
|---|----------|--|---|--------|
| PN5. NOW I WOULD LIKE TO TALK TO YOU ABOUT WHAT HAPPENED AFTER YOU LEFT (<i>name or type of facility in MN18</i>). DID ANYONE CHECK ON (<i>name</i>)'S HEALTH AFTER YOU LEFT (<i>name or type of facility in MN18</i>)? | Yes..... | | 1 | 1⇒PN11 |
| | No..... | | 2 | 2⇒PN16 |

PN6. Check MN17: Did a health professional, traditional birth attendant, or community health worker assist with the delivery?

Yes, delivery assisted by a health professional, traditional birth attendant, or community health worker (MN17=A-G) ⇒ Continue with PN7.

No, delivery not assisted by a health professional, traditional birth attendant, or community health worker (A-G not circled in MN17) ⇒ Go to PN10.

| | | |
|---|--|-------------------------------|
| <p>PN7. YOU HAVE ALREADY SAID THAT (<i>person or persons in MN17</i>) ASSISTED WITH THE BIRTH. NOW I WOULD LIKE TO TALK TO YOU ABOUT CHECKS ON (<i>name</i>)'S HEALTH AFTER DELIVERY, FOR EXAMPLE EXAMINING (<i>name</i>), CHECKING THE CORD, OR SEEING IF (<i>name</i>) IS OK.</p> <p>AFTER THE DELIVERY WAS OVER AND BEFORE (<i>person or persons in MN17</i>) LEFT YOU, DID (<i>person or persons in MN17</i>) CHECK ON (<i>name</i>)'S HEALTH?</p> | <p>Yes..... 1</p> <p>No 2</p> | |
| <p>PN8. AND DID (<i>person or persons in MN17</i>) CHECK ON <u>YOUR</u> HEALTH BEFORE LEAVING?</p> <p>BY CHECK ON YOUR HEALTH, I MEAN ASSESSING YOUR HEALTH, FOR EXAMPLE ASKING QUESTIONS ABOUT YOUR HEALTH OR EXAMINING YOU.</p> | <p>Yes..... 1</p> <p>No 2</p> | |
| <p>PN9. AFTER THE (<i>person or persons in MN17</i>) LEFT YOU, DID ANYONE CHECK ON THE HEALTH OF (<i>name</i>)?</p> | <p>Yes..... 1</p> <p>No 2</p> | <p>1⇒PN11</p> <p>2⇒PN18</p> |
| <p>PN10. I WOULD LIKE TO TALK TO YOU ABOUT CHECKS ON (<i>name</i>)'S HEALTH AFTER DELIVERY – FOR EXAMPLE, SOMEONE EXAMINING (<i>name</i>), CHECKING THE CORD, OR SEEING IF THE BABY IS OK.</p> <p>AFTER (<i>name</i>) WAS DELIVERED, DID ANYONE CHECK ON HIS/HER HEALTH?</p> | <p>Yes..... 1</p> <p>No 2</p> | <p>2⇒PN19</p> |
| <p>PN11. DID SUCH A CHECK HAPPEN ONLY ONCE, OR MORE THAN ONCE?</p> | <p>Once..... 1</p> <p>More than once..... 2</p> | <p>1⇒PN12A</p> <p>2⇒PN12B</p> |
| <p>PN12A. HOW LONG AFTER DELIVERY DID THAT CHECK HAPPEN?</p> <p>PN12B. HOW LONG AFTER DELIVERY DID THE FIRST OF THESE CHECKS HAPPEN?</p> <p><i>If less than one day, record hours.</i> <i>If less than one week, record days.</i> <i>Otherwise, record weeks.</i></p> | <p>Hours..... 1 __ __</p> <p>Days..... 2 __ __</p> <p>Weeks..... 3 __ __</p> <p>DK / Don't remember..... 998</p> | |
| <p>PN13. WHO CHECKED ON (<i>name</i>)'S HEALTH AT THAT TIME?</p> | <p>Health professional</p> <p>Doctor A</p> <p>Nurse / Midwife..... B</p> <p>Auxiliary midwife/MCH Aide/CHEW..... C</p> <p>Other person</p> <p>Traditional birth attendant..... F</p> <p>Community health worker..... G</p> <p>Relative / Friend H</p> <p>Other (<i>specify</i>)..... X</p> | |
| <p>PN14. WHERE DID THIS CHECK TAKE PLACE?</p> <p><i>Probe to identify the type of source.</i></p> <p><i>If unable to determine whether public or private, write the name of the place.</i></p> <p>_____</p> <p>(<i>Name of place</i>)</p> | <p>Home</p> <p>Respondent's home..... 11</p> <p>Other home..... 12</p> <p>Public sector</p> <p>Government hospital..... 21</p> <p>Government clinic / health centre..... 22</p> <p>Government health post..... 23</p> <p>Other public (<i>specify</i>)..... 26</p> <p>Private medical sector</p> <p>Private hospital..... 31</p> <p>Private clinic..... 32</p> <p>Private maternity home..... 33</p> <p>Other private medical (<i>specify</i>)..... 36</p> <p>Other (<i>specify</i>).. 96</p> | |
| <p>PN15. Check MN18: Was the child delivered in a health facility?</p> <p><input type="checkbox"/> Yes, the child was delivered in a health facility (MN18=21-26 or 31-36) ⇒ Continue with PN16.</p> <p><input type="checkbox"/> No, the child was not delivered in a health facility (MN18=11-12 or 96) ⇒ Go to PN17.</p> | | |

| | | |
|---|--|-------------------------|
| PN16. AFTER YOU LEFT (<i>name or type of facility in MN18</i>), DID ANYONE CHECK ON <u>YOUR</u> HEALTH? | Yes..... 1 No 2 | 1⇒PN20 2⇒Next Module |
| PN17. Check MN17: Did a health professional, traditional birth attendant, or community health worker assist with the delivery? <input type="checkbox"/> Yes, delivery assisted by a health professional, traditional birth attendant, or community health worker (MN17=A-G) ⇒ Continue with PN18 <input type="checkbox"/> No, delivery not assisted by a health professional, traditional birth attendant, or community health worker (A-G not circled in MN17) ⇒ Go to PN19 | | |
| PN18. AFTER THE DELIVERY WAS OVER AND (<i>person or persons in MN17</i>) LEFT, DID ANYONE CHECK ON <u>YOUR</u> HEALTH? | Yes..... 1 No 2 | 1⇒PN20 2⇒Next Module |
| PN19. AFTER THE BIRTH OF (<i>name</i>), DID ANYONE CHECK ON <u>YOUR</u> HEALTH? I MEAN SOMEONE ASSESSING YOUR HEALTH, FOR EXAMPLE ASKING QUESTIONS ABOUT YOUR HEALTH OR EXAMINING YOU. | Yes..... 1 No 2 | 2⇒Next Module |
| PN20. DID SUCH A CHECK HAPPEN ONLY ONCE, OR MORE THAN ONCE? | Once..... 1 More than once..... 2 | 1⇒PN21A 2⇒PN21B |
| PN21A. HOW LONG AFTER DELIVERY DID THAT CHECK HAPPEN? PN21B. HOW LONG AFTER DELIVERY DID THE FIRST OF THESE CHECKS HAPPEN? <i>If less than one day, record hours. If less than one week, record days. Otherwise, record weeks.</i> | Hours..... 1 ___ Days..... 2 ___ Weeks..... 3 ___ DK / Don't remember..... 998 | |
| PN22. WHO CHECKED ON <u>YOUR</u> HEALTH AT THAT TIME? | Health professional Doctor A Nurse / Midwife..... B Auxiliary midwife/MCH Aide/CHEW..... C Other person Traditional birth attendant..... F Community health worker..... G Relative / Friend H Other (<i>specify</i>)..... X | |
| PN23. WHERE DID THIS CHECK TAKE PLACE? <i>Probe to identify the type of source.</i> <i>If unable to determine whether public or private, write the name of the place.</i> _____ (<i>Name of place</i>) | Home Respondent's home..... 11 Other home..... 12 Public sector Government hospital..... 21 Government clinic / health centre..... 22 Government health post..... 23 Other public (<i>specify</i>)..... 26 Private medical sector Private hospital..... 31 Private clinic..... 32 Private maternity home..... 33 Other private medical (<i>specify</i>)..... 36 Other (<i>specify</i>)..... 96 | |

IS1. Check List of Household Members, columns HL7B and HL15:

Is the respondent the mother or caretaker of any child under age 5?

- Yes ⇒ Continue with IS2.
- No ⇒ Go to Next Module.

IS2. SOMETIMES CHILDREN HAVE SEVERE ILLNESSES AND SHOULD BE TAKEN IMMEDIATELY TO A HEALTH FACILITY. WHAT TYPES OF SYMPTOMS WOULD CAUSE YOU TO TAKE A CHILD UNDER THE AGE OF 5 TO A HEALTH FACILITY RIGHT AWAY?

Probe:
ANY OTHER SYMPTOMS?

Keep asking for more signs or symptoms until the mother/caretaker cannot recall any additional symptoms.

Circle all symptoms mentioned, but do not prompt with any suggestions

- Child not able to drink or breastfeed A
- Child becomes sicker..... B
- Child develops a fever..... C
- Child has fast breathing..... D
- Child has difficulty breathing..... E
- Child has blood in stool..... F
- Child is drinking poorly..... G
- Other (*specify*) _____ X
- Other (*specify*) _____ Y
- Other (*specify*) _____ Z

| CONTRACEPTION | | CP | |
|---|---|----|--------------------------------------|
| CP1. I WOULD LIKE TO TALK WITH YOU ABOUT ANOTHER SUBJECT – FAMILY PLANNING. ARE YOU PREGNANT NOW? | Yes, currently pregnant..... | 1 | 1⇒CP2A |
| | No..... | 2 | |
| | Unsure or DK..... | 8 | |
| CP2. COUPLES USE VARIOUS WAYS OR METHODS TO DELAY OR AVOID A PREGNANCY. ARE YOU CURRENTLY DOING SOMETHING OR USING ANY METHOD TO DELAY OR AVOID GETTING PREGNANT? | Yes..... | 1 | 1⇒CP3 |
| | No..... | 2 | |
| CP2A. HAVE YOU EVER DONE SOMETHING OR USED ANY METHOD TO DELAY OR AVOID GETTING PREGNANT? | Yes..... | 1 | 1⇒Next Module 2⇒Next Module |
| | No..... | 2 | |
| CP3. WHAT ARE YOU DOING TO DELAY OR AVOID A PREGNANCY? <i>Do not prompt. If more than one method is mentioned, circle each one.</i> | Female sterilization | A | |
| | Male sterilization..... | B | |
| | IUD..... | C | |
| | Injectable | D | |
| | Implants..... | E | |
| | Pill | F | |
| | Male condom..... | G | |
| | Female condom..... | H | |
| | Diaphragm..... | I | |
| | Foam / Jelly..... | J | |
| | Lactational amenorrhoea method (LAM)..... | K | |
| | Periodic abstinence / Rhythm..... | L | |
| | Withdrawal..... | M | |
| Other (<i>specify</i>)..... | X | | |

| UNMET NEED | | UN |
|--|--|---------------------------|
| UN1. Check CP1: Currently pregnant? <input type="checkbox"/> Yes, currently pregnant ⇒ Continue with UN2. <input type="checkbox"/> No, unsure or DK ⇒ Go to UN5. | | |
| UN2. NOW I WOULD LIKE TO TALK TO YOU ABOUT YOUR CURRENT PREGNANCY. WHEN YOU GOT PREGNANT, DID YOU WANT TO GET PREGNANT AT THAT TIME? | Yes..... 1 No 2 | 1⇒UN4 |
| UN3. DID YOU WANT TO HAVE A BABY LATER ON OR DID YOU NOT WANT ANY (MORE) CHILDREN? | Later..... 1 No more..... 2 | |
| UN4. NOW I WOULD LIKE TO ASK SOME QUESTIONS ABOUT THE FUTURE. AFTER THE CHILD YOU ARE NOW EXPECTING, WOULD YOU LIKE TO HAVE ANOTHER CHILD, OR WOULD YOU PREFER NOT TO HAVE ANY MORE CHILDREN? | Have another child..... 1 No more / None..... 2 Undecided / DK..... 8 | 1⇒UN7 2⇒UN13 8⇒UN13 |
| UN5. Check CP3: Currently using "Female sterilization"? <input type="checkbox"/> Yes ⇒ Go to UN13. <input type="checkbox"/> No ⇒ Continue with UN6. | | |
| UN6. NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT THE FUTURE. WOULD YOU LIKE TO HAVE (A/ANOTHER) CHILD, OR WOULD YOU PREFER NOT TO HAVE ANY (MORE) CHILDREN? | Have (a/another) child..... 1 No more / None..... 2 Says she cannot get pregnant 3 Undecided / DK..... 8 | 2⇒UN9 3⇒UN11 8⇒UN9 |
| UN7. HOW LONG WOULD YOU LIKE TO WAIT BEFORE THE BIRTH OF (A/ANOTHER) CHILD? <i>Record the answer as stated by respondent.</i> | Months..... 1 ___ Years..... 2 ___ Does not want to wait (soon/now)..... 993 Says she cannot get pregnant 994 After marriage..... 995 Other..... 996 DK..... 998 | 994⇒UN11 |
| UN8. Check CP1: Currently pregnant? <input type="checkbox"/> Yes, currently pregnant ⇒ Go to UN13. <input type="checkbox"/> No, unsure or DK ⇒ Continue with UN9. | | |

| | | |
|--|---|------------------------|
| UN9. Check CP2: Currently using a method? <input type="checkbox"/> Yes ⇒ Go to UN13. <input type="checkbox"/> No ⇒ Continue with UN10. | | |
| UN10. DO YOU THINK YOU ARE PHYSICALLY ABLE TO GET PREGNANT AT THIS TIME? | Yes..... 1 No..... 2 DK..... 8 | 1 ⇒UN13 8 ⇒UN13 |
| UN11. WHY DO YOU THINK YOU ARE NOT PHYSICALLY ABLE TO GET PREGNANT? | Infrequent sex / No sex..... A Menopausal..... B Never menstruated..... C Hysterectomy (surgical removal of uterus)..... D Has been trying to get pregnant for 2 years or more without result..... E Postpartum amenorrheic..... F Breastfeeding..... G Too old..... H Fatalistic..... I Other (<i>specify</i>) _____ X DK..... Z | |
| UN12. Check UN11: "Never menstruated" mentioned? <input type="checkbox"/> Mentioned ⇒ Go to Next Module. <input type="checkbox"/> Not mentioned ⇒ Continue with UN13. | | |
| UN13. WHEN DID YOUR LAST MENSTRUAL PERIOD START? <i>Record the answer using the same unit stated by the respondent.</i> | Days ago..... 1 ___ Weeks ago..... 2 ___ Months ago..... 3 ___ Years ago..... 4 ___ In menopause / Has had hysterectomy..... 994 Before last birth..... 995 Never menstruated 996 | |

| FEMALE GENITAL MUTILATION/CUTTING | | FG |
|--|--|---------------|
| FG1. HAVE YOU EVER HEARD OF FEMALE CIRCUMCISION? | Yes..... 1 No 2 | 1⇒FG3 |
| FG2. IN SOME COUNTRIES, THERE IS A PRACTICE IN WHICH A GIRL MAY HAVE PART OF HER GENITALS CUT. HAVE YOU EVER HEARD ABOUT THIS PRACTICE? | Yes..... 1 No 2 | 2⇒Next Module |
| FG3. HAVE YOU YOURSELF EVER BEEN CIRCUMCISED? | Yes..... 1 No..... 2 | 2⇒FG9 |
| FG4. NOW I WOULD LIKE TO ASK YOU WHAT WAS DONE TO YOU AT THAT TIME. WAS ANY FLESH REMOVED FROM THE GENITAL AREA? | Yes..... 1 No 2 DK..... 8 | 1⇒FG6 |
| FG5. WAS THE GENITAL AREA JUST NICKED WITHOUT REMOVING ANY FLESH? | Yes..... 1 No..... 2 DK..... 8 | |
| FG6. WAS THE GENITAL AREA SEWN CLOSED? <i>If necessary, probe: WAS IT SEALED?</i> | Yes..... 1 No 2 DK..... 8 | |
| FG7. HOW OLD WERE YOU WHEN YOU WERE CIRCUMCISED? <i>If the respondent does not know the exact age, probe to get an estimate.</i> <i>Record "00" if age is less than 1 year.</i> | Age at circumcision ___ DK / Don't remember / Not sure..... 98 | |
| FG8. WHO PERFORMED THE CIRCUMCISION? | Health professional Doctor 11 Nurse/Midwife..... 12 Other health professional (<i>specify</i>)..... 16 Traditional persons Traditional 'circumciser'..... 21 Traditional birth attendant..... 22 Other traditional (<i>specify</i>)..... 26 DK..... 98 | |
| FG9. Check CM5 for Number of daughters at home and CM7 for Number of daughters elsewhere, and sum the answers here | Total number of living daughters ___ | |
| FG10. JUST TO MAKE SURE THAT I HAVE THIS RIGHT, YOU HAVE (<i>total number in FG9</i>) LIVING DAUGHTERS. IS THIS CORRECT? <input type="checkbox"/> Yes <input type="checkbox"/> One or more living daughters ⇒ Continue with FG11 <input type="checkbox"/> Does not have any living daughters ⇒ Go to FG22 <input type="checkbox"/> No ⇒ Check responses to CM1 – CM10 and make corrections as necessary, until FG10 = Yes | | |

| | Daughter #1 | Daughter #2 | Daughter #3 | Daughter #4 |
|---|---|--|---|---|
| FG12. Name of daughter | _____ | _____ | _____ | _____ |
| FG13. HOW OLD IS (name)? Record "00" if age is less than 1 year | Age ____ Age ____ | Age..... ____ Age..... ____ | Age ____ Age ____ | Age ____ Age ____ |
| FG14. Is (name) younger than 15 years of age? | Yes.....1 No2 If "No", go to FG13 for next daughter. If no more daughters, go to FG22. | Yes..... 1 No 2 If "No", go to FG13 for next daughter. If no more daughters, go to FG22. | Yes 1 No..... 2 If "No", go to FG13 for next daughter. If no more daughters, go to FG22. | Yes 1 No2 If "No", go to FG13 for next daughter. If no more daughters, go to FG22. |
| FG15. IS (name) CIRCUMCISED? | Yes.....1 No.....2 If "No", go to FG13 for next daughter. If no more daughters, go to FG22. | Yes..... 1 No. 2 If "No", go to FG13 for next daughter. If no more daughters, go to FG22. | Yes 1 No..... 2 If "No", go to FG13 for next daughter. If no more daughters, go to FG22. | Yes 1 No.....2 If "No", go to FG13 for next daughter. If no more daughters, go to FG22. |
| FG16. HOW OLD WAS (name) WHEN THIS OCCURRED? If the respondent does not know the age, probe to get an estimate. Record "00" if age is less than 1 year | Age ____ DK.....98 | Age..... ____ DK..... 98 | Age ____ DK 98 | Age ____ DK.....98 |
| FG17. NOW I WOULD LIKE TO ASK YOU WHAT WAS DONE TO (name) AT THAT TIME. WAS ANY FLESH REMOVED FROM THE GENITAL AREA? | Yes.....1 ⇒FG19 No.2 DK.....8 | Yes..... 1 ⇒FG19 No. 2 DK..... 8 | Yes 1 ⇒FG19 No..... 2 DK..... 8 | Yes 1 ⇒FG19 No..... 2 DK..... 8 |
| FG18. WAS HER GENITAL AREA JUST NICKED WITHOUT REMOVING ANY FLESH? | Yes.....1 No2 DK.....8 | Yes..... 1 No2 DK..... 8 | Yes 1 No2 DK 8 | Yes 1 No2 DK..... 8 |
| FG19. WAS HER GENITAL AREA SEWN CLOSED? If necessary, probe: WAS IT SEALED? | Yes.....1 No2 DK.....8 | Yes..... 1 No2 DK..... 8 | Yes 1 No2 DK 8 | Yes 1 No2 DK..... 8 |
| FG20. WHO PERFORMED THE CIRCUMCISION? | Health professional Doctor.....11 Nurse/midwife.....12 Other health professional (specify) ____ 16 Traditional persons Traditional 'circumciser'.....21 Traditional birth attendant.....22 Other traditional (specify) ____ 26 DK.....98 | Health professional Doctor 11 Nurse/midwife 12 Other health professional (specify) ____ 16 Traditional persons Traditional 'circumciser'..... 21 Traditional birth attendant 22 Other traditional (specify) ____ 26 DK..... 98 | Health professional Doctor 11 Nurse/midwife 12 Other health professional (specify) ____ 16 Traditional persons Traditional 'circumciser' 21 Traditional birth attendant..... 22 Other traditional (specify) ____ 26 DK 98 | Health professional Doctor..... 11 Nurse/midwife..... 12 Other health professional (specify)____ 16 Traditional persons Traditional 'circumciser'21 Traditional birth attendant.....22 Other traditional (specify) ____ 26 DK.....98 |
| FG21. | Go back to FG13 for next daughter. If no more daughters, continue with FG22. | Go back to FG13 for next daughter. If no more daughters, continue with FG22. | Go back to FG13 for next daughter. If no more daughters, continue with FG22. | Go back to FG13 in first column of additional questionnaire for next daughter. If no more daughters, continue with FG22. |
| | | | | Tick here if additional questionnaire used. <input type="checkbox"/> |

FG11. Ask the respondent to tell you the name(s) of her daughter(s), beginning with the youngest daughter (if more than one daughter). Write down the name of each daughter in FG12. Then, ask questions FG13 to FG20 for each daughter at a time. The total number of daughters in FG12 should be equal to the number in FG9. If more than 4 daughters, use additional questionnaires.

| | | |
|---|--|--|
| FG22. DO YOU THINK THIS PRACTICE SHOULD BE CONTINUED OR SHOULD IT BE DISCONTINUED? | Continued 1 Discontinued 2 Depends 3 DK 8 | |
|---|--|--|

ATTITUDES TOWARD DOMESTIC VIOLENCE

DV

DV1. SOMETIMES A HUSBAND IS ANNOYED OR ANGERED BY THINGS THAT HIS WIFE DOES. IN YOUR OPINION, IS A HUSBAND JUSTIFIED IN HITTING OR BEATING HIS WIFE IN THE FOLLOWING SITUATIONS:

| | Yes | No | DK |
|---|-----|----|----|
| [A] IF SHE GOES OUT WITHOUT TELLING HIM? Goes out without telling..... | 1 | 2 | 8 |
| [B] IF SHE NEGLECTS THE CHILDREN? Neglects children | 1 | 2 | 8 |
| [C] IF SHE ARGUES WITH HIM? Argues with him | 1 | 2 | 8 |
| [D] IF SHE REFUSES TO HAVE SEX WITH HIM? Refuses sex | 1 | 2 | 8 |
| [E] IF SHE BURNS THE FOOD? Burns food | 1 | 2 | 8 |

| MARRIAGE/UNION | | MA |
|---|--|------------------|
| MA1. ARE YOU CURRENTLY MARRIED OR LIVING TOGETHER WITH A MAN AS IF MARRIED? | Yes, currently married..... 1 Yes, living with a man..... 2 No, not in union..... 3 | 3⇒MA5 |
| MA2. HOW OLD IS YOUR HUSBAND/PARTNER? <i>Probe:</i> HOW OLD WAS YOUR HUSBAND/PARTNER ON HIS LAST BIRTHDAY? | Age in years..... ___ DK..... 98 | |
| MA3. BESIDES YOURSELF, DOES YOUR HUSBAND/PARTNER HAVE ANY OTHER WIVES OR PARTNERS OR DOES HE LIVE WITH OTHER WOMEN AS IF MARRIED? | Yes..... 1 No 2 | 2⇒MA7 |
| MA4. HOW MANY OTHER WIVES OR PARTNERS DOES HE HAVE? | Number..... ___ DK..... 98 | ⇒MA7 98⇒MA7 |
| MA5. HAVE YOU EVER BEEN MARRIED OR LIVED TOGETHER WITH A MAN AS IF MARRIED? | Yes, formerly married..... 1 Yes, formerly lived with a man 2 No 3 | 3⇒Next Module |
| MA6. WHAT IS YOUR MARITAL STATUS NOW: ARE YOU WIDOWED, DIVORCED OR SEPARATED? | Widowed..... 1 Divorced..... 2 Separated..... 3 | |
| MA7. HAVE YOU BEEN MARRIED OR LIVED WITH A MAN ONLY ONCE OR MORE THAN ONCE? | Only once..... 1 More than once..... 2 | 1⇒MA8A 2⇒MA8B |
| MA8A. IN WHAT MONTH AND YEAR DID YOU MARRY OR START LIVING WITH A MAN AS IF MARRIED? MA8B. IN WHAT MONTH AND YEAR DID YOU <u>FIRST</u> MARRY OR START LIVING WITH A MAN AS IF MARRIED? | Date of (first) marriage Month..... ___ DK month..... 98 Year..... _____ DK year..... 9998 | ⇒Next Module |
| MA9. HOW OLD WERE YOU WHEN YOU FIRST STARTED LIVING WITH YOUR (<u>FIRST</u>) HUSBAND/PARTNER? | Age in years..... ___ | |

| SEXUAL BEHAVIOUR | | SB |
|--|---|-----------------------------|
| Check for the presence of others. Before continuing, ensure privacy. | | |
| SB1. NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT SEXUAL ACTIVITY IN ORDER TO GAIN A BETTER UNDERSTANDING OF SOME IMPORTANT LIFE ISSUES. THE INFORMATION YOU SUPPLY WILL REMAIN STRICTLY CONFIDENTIAL. HOW OLD WERE YOU WHEN YOU HAD SEXUAL INTERCOURSE FOR THE VERY FIRST TIME? | Never had intercourse..... 00 Age in years..... __ __ First time when started living with (first) husband/Partner..... 95 | 00⇒Next Module |
| SB2. THE FIRST TIME YOU HAD SEXUAL INTERCOURSE, WAS A CONDOM USED? | Yes..... 1 No..... 2 DK / Don't remember..... 8 | |
| SB3. WHEN WAS THE LAST TIME YOU HAD SEXUAL INTERCOURSE? <i>Record answers in days, weeks or months if less than 12 months (one year). If 12 months (one year) or more, answer must be recorded in years.</i> | Days ago..... 1 __ __ Weeks ago..... 2 __ __ Months ago..... 3 __ __ Years ago..... 4 __ __ | 4⇒SB15 |
| SB4. THE LAST TIME YOU HAD SEXUAL INTERCOURSE, WAS A CONDOM USED? | Yes..... 1 No..... 2 | |
| SB5. WHAT WAS YOUR RELATIONSHIP TO THIS PERSON WITH WHOM YOU LAST HAD SEXUAL INTERCOURSE? <i>Probe to ensure that the response refers to the relationship at the time of sexual intercourse</i> <i>If "boyfriend", then ask: WERE YOU LIVING TOGETHER AS IF MARRIED? If "yes", circle "2". If "no", circle "3".</i> | Husband..... 1 Cohabiting partner..... 2 Boyfriend..... 3 Casual acquaintance..... 4 Other (<i>specify</i>)..... 6 | 3⇒SB7 4⇒SB7 6⇒SB7 |
| SB6. Check MA1: <input type="checkbox"/> Currently married or living with a man (MA1 = 1 or 2) ⇒ Go to SB8. <input type="checkbox"/> Not married / Not in union (MA1 = 3) ⇒ Continue with SB7. | | |
| SB7. HOW OLD IS THIS PERSON? <i>If response is "DK", probe: ABOUT HOW OLD IS THIS PERSON?</i> | Age of sexual partner..... __ __ DK..... 98 | |
| SB8. HAVE YOU HAD SEXUAL INTERCOURSE WITH ANY OTHER PERSON IN THE LAST 12 MONTHS? | Yes..... 1 No..... 2 | 2⇒SB15 |
| SB9. THE LAST TIME YOU HAD SEXUAL INTERCOURSE WITH THIS OTHER PERSON, WAS A CONDOM USED? | Yes..... 1 No..... 2 | |

| | | |
|---|--|---------------------------------------|
| <p>SB10. WHAT WAS YOUR RELATIONSHIP TO THIS PERSON?</p> <p><i>Probe to ensure that the response refers to the relationship at the time of sexual intercourse</i></p> <p><i>If "boyfriend" then ask: WERE YOU LIVING TOGETHER AS IF MARRIED? If "yes", circle "2". If "no", circle "3".</i></p> | <p>Husband..... 1 Cohabiting partner..... 2 Boyfriend 3 Casual acquaintance..... 4 Other (<i>specify</i>)..... 6</p> | <p>3⇒SB12 4⇒SB12 6⇒SB12</p> |
| <p>SB11. Check MA1 and MA7:</p> <p><input type="checkbox"/> Currently married or living with a man (MA1 = 1 or 2) AND Married only once or lived with a man only once (MA7 = 1) ⇒ Go to SB13.</p> <p><input type="checkbox"/> Else ⇒ Continue with SB12.</p> | | |
| <p>SB12. HOW OLD IS THIS PERSON?</p> <p><i>If response is DK, probe: ABOUT HOW OLD IS THIS PERSON?</i></p> | <p>Age of sexual partner..... _ _ _ DK..... 98</p> | |
| <p>SB13. OTHER THAN THESE TWO PERSONS, HAVE YOU HAD SEXUAL INTERCOURSE WITH ANY OTHER PERSON IN THE LAST 12 MONTHS?</p> | <p>Yes..... 1 No 2</p> | <p>2⇒SB15</p> |
| <p>SB14. IN TOTAL, WITH HOW MANY DIFFERENT PEOPLE HAVE YOU HAD SEXUAL INTERCOURSE IN THE LAST 12 MONTHS?</p> | <p>Number of partners _ _ _</p> | |
| <p>SB14A. FOR ALL THE SEXUAL INTERCOURSES WITH NON-COHABITING PARTNERS IN THE LAST 12 MONTH, WAS A CONDOM USED EVERY TIME, SOMETIMES OR NEVER?</p> | <p>Every time..... 1 Sometimes..... 2 Never..... 3 DK/ Not sure/Don't remember 8</p> | |
| <p>SB15. IN TOTAL, WITH HOW MANY DIFFERENT PEOPLE HAVE YOU HAD SEXUAL INTERCOURSE IN YOUR LIFETIME?</p> <p><i>If a non-numeric answer is given, probe to get an estimate.</i></p> <p><i>If number of partners is 95 or more, write "95".</i></p> | <p>Number of lifetime partners..... _ _ _ DK..... 98</p> | |

| HIV/AIDS | | HA |
|---|--------------------------------|---------------|
| HA1. NOW I WOULD LIKE TO TALK WITH YOU ABOUT SOMETHING ELSE. HAVE YOU EVER HEARD OF AN ILLNESS CALLED AIDS? | Yes..... 1 | 2⇒Next Module |
| | No 2 | |
| HA2. CAN PEOPLE REDUCE THEIR CHANCE OF GETTING THE AIDS VIRUS BY HAVING JUST ONE UNINFECTED SEX PARTNER WHO HAS NO OTHER SEX PARTNERS? | Yes..... 1 | |
| | No 2 | |
| | DK..... 8 | |
| HA3. CAN PEOPLE GET THE AIDS VIRUS BECAUSE OF WITCHCRAFT OR OTHER SUPERNATURAL MEANS? | Yes..... 1 | |
| | No 2 | |
| | DK..... 8 | |
| HA4. CAN PEOPLE REDUCE THEIR CHANCE OF GETTING THE AIDS VIRUS BY USING A CONDOM EVERY TIME THEY HAVE SEX? | Yes..... 1 | |
| | No 2 | |
| | DK..... 8 | |
| HA5. CAN PEOPLE GET THE AIDS VIRUS FROM MOSQUITO BITES? | Yes..... 1 | |
| | No 2 | |
| | DK..... 8 | |
| HA6. CAN PEOPLE GET THE AIDS VIRUS BY SHARING FOOD WITH A PERSON WHO HAS THE AIDS VIRUS? | Yes..... 1 | |
| | No 2 | |
| | DK..... 8 | |
| HA7. IS IT POSSIBLE FOR A HEALTHY-LOOKING PERSON TO HAVE THE AIDS VIRUS? | Yes..... 1 | |
| | No 2 | |
| | DK..... 8 | |
| HA8. CAN THE VIRUS THAT CAUSES AIDS BE TRANSMITTED FROM A MOTHER TO HER BABY: [A] DURING PREGNANCY? [B] DURING DELIVERY? [C] BY BREASTFEEDING? | | |
| | | Yes No DK |
| | During pregnancy..... | 1 2 8 |
| | During delivery | 1 2 8 |
| | By breastfeeding | 1 2 8 |
| HA8A. Check HA8[A], [B], and [C]: <input type="checkbox"/> All 'No' or 'DK' ⇒ Go to HA9. <input type="checkbox"/> At least one 'yes' ⇒ Continue with HA8D. | | |
| HA8D. ARE THERE ANY SPECIAL DRUGS THAT A DOCTOR OR A NURSE CAN GIVE TO A WOMAN INFECTED WITH THE AIDS VIRUS TO REDUCE THE RISK OF TRANSMISSION TO THE BABY? | Yes..... 1 | |
| | No 2 | |
| | DK 8 | |
| HA9. IN YOUR OPINION, IF A FEMALE TEACHER HAS THE AIDS VIRUS BUT IS NOT SICK, SHOULD SHE BE ALLOWED TO CONTINUE TEACHING IN SCHOOL? | Yes..... 1 | |
| | No 2 | |
| | DK / Not sure / Depends..... 8 | |
| HA10. WOULD YOU BUY FRESH VEGETABLES FROM A SHOPKEEPER OR VENDOR IF YOU KNEW THAT THIS PERSON HAD THE AIDS VIRUS? | Yes..... 1 | |
| | No 2 | |
| | DK / Not sure / Depends..... 8 | |
| HA11. IF A MEMBER OF YOUR FAMILY GOT INFECTED WITH THE AIDS VIRUS, WOULD YOU WANT IT TO REMAIN A SECRET? | Yes..... 1 | |
| | No 2 | |
| | DK / Not sure / Depends..... 8 | |
| HA12. IF A MEMBER OF YOUR FAMILY BECAME SICK WITH AIDS, WOULD YOU BE WILLING TO CARE FOR HER OR HIM IN YOUR OWN HOUSEHOLD? | Yes..... 1 | |
| | No 2 | |
| | DK / Not sure / Depends..... 8 | |
| HA12A. DO YOU THINK CHILDREN WITH THE AIDS VIRUS SHOULD BE ALLOWED TO ATTEND ANY SCHOOL? | Yes..... 1 | |
| | No 2 | |
| | DK / Not sure / Depends..... 8 | |

| | | |
|--|---|---|
| HA13. Check CM13: Any live birth in last 2 years? | | |
| <input type="checkbox"/> No live birth in last 2 years (CM13="No" or blank) ⇒ Go to HA24. <input type="checkbox"/> One or more live births in last 2 years ⇒ Continue with HA14. | | |
| HA14. Check MN1: Received antenatal care? | | |
| <input type="checkbox"/> Received antenatal care ⇒ Continue with HA15. <input type="checkbox"/> Did not receive antenatal care ⇒ Go to HA24. | | |
| HA15. DURING ANY OF THE ANTENATAL VISITS FOR YOUR PREGNANCY WITH (name), | | |
| WERE YOU GIVEN ANY INFORMATION ABOUT: | | Y N DK |
| [A] BABIES GETTING THE AIDS VIRUS FROM THEIR MOTHER? | AIDS from mother..... | 1 2 8 |
| [B] THINGS THAT YOU CAN DO TO PREVENT GETTING THE AIDS VIRUS? | Things to do..... | 1 2 8 |
| [C] GETTING TESTED FOR THE AIDS VIRUS? | Tested for AIDS..... | 1 2 8 |
| WERE YOU: | | |
| [D] OFFERED A TEST FOR THE AIDS VIRUS? | Offered a test..... | 1 2 8 |
| HA16. I DON'T WANT TO KNOW THE RESULTS, BUT WERE YOU TESTED FOR THE AIDS VIRUS AS PART OF YOUR ANTENATAL CARE? | Yes..... No..... DK..... | 1 2 8 |
| | | 2⇒HA19 8⇒HA19 |
| HA17. I DON'T WANT TO KNOW THE RESULTS, BUT DID YOU GET THE RESULTS OF THE TEST? | Yes..... No..... DK..... | 1 2 8 |
| | | 2⇒HA22 8⇒HA22 |
| HA18. REGARDLESS OF THE RESULT, ALL WOMEN WHO ARE TESTED ARE SUPPOSED TO RECEIVE COUNSELLING AFTER GETTING THE RESULT. | Yes..... No..... DK..... | 1 2 8 |
| AFTER YOU WERE TESTED, DID YOU RECEIVE COUNSELLING? | | 1⇒HA22 2⇒HA22 8⇒HA22 |
| HA19. Check MN17: Birth delivered by health professional (A, B or C)? | | |
| <input type="checkbox"/> Yes, birth delivered by health professional (MN17 = A, B or C) ⇒ Continue with HA20. <input type="checkbox"/> No, birth not delivered by health professional (MN17 = else) ⇒ Go to HA24. | | |
| HA20. I DON'T WANT TO KNOW THE RESULTS, BUT WERE YOU TESTED FOR THE AIDS VIRUS BETWEEN THE TIME YOU WENT FOR DELIVERY BUT BEFORE THE BABY WAS BORN? | Yes..... No..... | 1 2 |
| | | 2⇒HA24 |
| HA21. I DON'T WANT TO KNOW THE RESULTS, BUT DID YOU GET THE RESULTS OF THE TEST? | Yes..... No..... | 1 2 |
| | | |
| HA22. HAVE YOU BEEN TESTED FOR THE AIDS VIRUS SINCE THAT TIME YOU WERE TESTED DURING YOUR PREGNANCY? | Yes..... No..... | 1 2 |
| | | 1⇒HA25 |
| HA23. WHEN WAS THE MOST RECENT TIME YOU WERE TESTED FOR THE AIDS VIRUS? | Less than 12 months ago..... 12-23 months ago..... 2 or more years ago..... | 1 2 3 |
| | | 1⇒Next Module 2⇒Next Module 3⇒Next Module |
| HA24. I DON'T WANT TO KNOW THE RESULTS, BUT HAVE YOU EVER BEEN TESTED TO SEE IF YOU HAVE THE AIDS VIRUS? | Yes..... No..... | 1 2 |
| | | 2⇒HA27 |
| HA25. WHEN WAS THE MOST RECENT TIME YOU WERE TESTED? | Less than 12 months ago..... 12-23 months ago..... 2 or more years ago..... | 1 2 3 |
| | | |
| HA26. I DON'T WANT TO KNOW THE RESULTS, BUT DID YOU GET THE RESULTS OF THE TEST? | Yes..... No..... DK..... | 1 2 8 |
| | | 1⇒Next Module 2⇒Next Module 8⇒Next Module |
| HA27. DO YOU KNOW OF A PLACE WHERE PEOPLE CAN GO TO GET TESTED FOR THE AIDS VIRUS? | Yes..... No..... | 1 2 |
| | | |

| TOBACCO AND ALCOHOL USE | | TA |
|--|---|---------|
| TA1. HAVE YOU EVER TRIED CIGARETTE SMOKING, EVEN ONE OR TWO PUFFS? | Yes..... 1 No..... 2 | 2⇒TA6 |
| TA2. HOW OLD WERE YOU WHEN YOU SMOKED A WHOLE CIGARETTE FOR THE FIRST TIME? | Never smoked a whole cigarette..... 00 Age..... ____ | 00⇒TA6 |
| TA2A. AT ANY TIME IN YOUR LIFE, HAVE YOU EVER SMOKED CIGARETTES ON A <u>DAILY</u> BASIS? | Yes, daily..... 1 No, less than daily..... 2 | |
| TA3. DO YOU CURRENTLY SMOKE CIGARETTES? | Yes..... 1 No..... 2 | 2⇒TA6 |
| TA4. IN THE LAST 24 HOURS, HOW MANY CIGARETTES DID YOU SMOKE? | Number of cigarettes..... ____ | |
| TA4A. HOW MANY CIGARETTES DO YOU CURRENTLY SMOKE PER WEEK ON AVERAGE? <i>Probe: HOW MANY HAND-ROLLED CIGARETTES AND HOW MANY MANUFACTURED CIGARETTES?</i> <i>If none write "000".</i> <i>If "not every week" write "666".</i> | Hand-rolled cigarettes..... ____ Manufactured cigarettes..... ____ | |
| TA5. DURING THE LAST ONE MONTH, ON <u>HOW MANY DAYS</u> DID YOU SMOKE CIGARETTES? <i>If less than 10 days, record the number of days.</i> <i>If 10 days or more but less than a month, circle "10".</i> <i>If "every day" or "almost every day", circle "30".</i> | Number of days..... 0 ____ 10 days or more but less than a month.. 10 Every day / Almost every day 30 | |
| TA6. HAVE YOU EVER TRIED ANY SMOKED TOBACCO PRODUCTS OTHER THAN CIGARETTES, SUCH AS CIGARS, WATER PIPE/SHISHA, CIGARILLOS OR PIPE? | Yes..... 1 No..... 2 | 2⇒TA10 |
| TA6A. AT ANY TIME IN YOUR LIFE, HAVE YOU EVER USED SMOKED TOBACCO PRODUCTS ON A <u>DAILY</u> BASIS? | Yes, daily..... 1 No, less than daily..... 2 | |
| TA7. DURING THE LAST ONE MONTH, DID YOU USE ANY SMOKED TOBACCO PRODUCTS? | Yes..... 1 No..... 2 | 2⇒TA10 |
| TA8. WHAT TYPE OF SMOKED TOBACCO PRODUCT DID YOU USE OR SMOKE DURING THE LAST ONE MONTH? <i>Circle all mentioned.</i> | Cigars..... A Water pipe/shisha..... B Cigarillos..... C Pipe..... D Other (<i>specify</i>)..... X | |
| TA8A. HOW MANY (<i>products circled in TA8</i>) DO YOU CURRENTLY SMOKE PER WEEK ON AVERAGE? <i>If none write "000".</i> <i>If "not every week" write "666".</i> | Cigars..... ____ Pipes full of tobacco..... ____ Cigarillos..... ____ Water pipe/shisha sessions.. ____ Other..... ____ | |
| TA9. DURING THE LAST ONE MONTH, ON <u>HOW MANY DAYS</u> DID YOU USE SMOKED TOBACCO PRODUCTS? <i>If less than 10 days, record the number of days.</i> <i>If 10 days or more but less than a month, circle "10".</i> <i>If "every day" or "almost every day", circle "30".</i> | Number of days..... 0 ____ 10 days or more but less than a month... 10 Every day / Almost every day 30 | |
| TA10. HAVE YOU EVER TRIED ANY FORM OF SMOKELESS TOBACCO PRODUCTS, SUCH AS CHEWING TOBACCO, SNUFF, OR DIP? | Yes..... 1 No..... 2 | 2⇒TA13A |
| TA10A. AT ANY TIME IN YOUR LIFE, HAVE YOU EVER USED SMOKELESS TOBACCO PRODUCTS ON A <u>DAILY</u> BASIS? | Yes, daily..... 1 No, less than daily..... 2 | |
| TA11. DURING THE LAST ONE MONTH, DID YOU USE ANY SMOKELESS TOBACCO PRODUCTS? | Yes..... 1 No..... 2 | 2⇒TA13A |
| TA12. WHAT TYPE OF SMOKELESS TOBACCO PRODUCT DID YOU USE DURING THE LAST ONE MONTH? <i>Circle all mentioned.</i> | Chewing tobacco..... A Snuff..... B Dip..... C Other (<i>specify</i>)..... X | |
| TA13. DURING THE LAST ONE MONTH, ON <u>HOW MANY DAYS</u> DID YOU USE SMOKELESS TOBACCO PRODUCTS? <i>If less than 10 days, record the number of days.</i> <i>If 10 days or more but less than a month, circle "10".</i> <i>If "every day" or "almost every day", circle "30".</i> | Number of days..... 0 ____ 10 days or more but less than a month.. 10 Every day / Almost every day 30 | |
| TA13A. HOW OFTEN DOES ANYONE SMOKE INSIDE YOUR HOME? WOULD YOU SAY DAILY, WEEKLY, MONTHLY, LESS THAN MONTHLY, OR NEVER? | Daily..... 1 Weekly..... 2 Monthly..... 3 Less than monthly..... 4 Never..... 5 DK..... 8 | |

| | | |
|--|--|----------------------------------|
| TA13B. DO YOU CURRENTLY WORK OUTSIDE OF YOUR HOME? | Yes..... 1 No / don't work..... 2 | 2⇒TA13E |
| TA13C. DO YOU USUALLY WORK INDOORS OR OUTDOORS? | Indoors..... 1 Outdoors 2 Both..... 3 | 2⇒TA13E |
| TA13D. DURING THE LAST ONE MONTH, DID ANYONE SMOKE INDOOR AREAS WHERE YOU WORK? | Yes..... 1 No..... 2 DK..... 8 | |
| TA13E. Check TA3 and TA7: Current tobacco smoker? <input type="checkbox"/> Yes, current tobacco smoker (TA3 = 1 or TA7 = 1) ⇒ Continue with TA13F. <input type="checkbox"/> No, does not currently smoke tobacco (TA3 = 2 and TA7 = 2) ⇒ Go to TA13O. | | |
| TA13F. DURING THE LAST 12 MONTHS, HAVE YOU TRIED TO STOP SMOKING? | Yes..... 1 No..... 2 | |
| TA13G. DURING THE LAST 12 MONTHS, HAVE YOU VISITED A DOCTOR OR OTHER HEALTH CARE PROVIDER? | Yes..... 1 No..... 2 | 2⇒TA13K |
| TA13H. DURING ANY VISIT TO A DOCTOR OR HEALTH CARE PROVIDER IN THE LAST 12 MONTHS, WERE YOU ADVISED TO QUIT SMOKING TOBACCO? | Yes..... 1 No..... 2 | |
| TA13I. DURING THE LAST ONE MONTH, DID YOU NOTICE ANY HEALTH WARNINGS ON CIGARETTE PACKAGES? | Yes..... 1 No..... 2 Did not see any cigarette packages..... 6 | 2⇒TA13K 6⇒TA13K |
| TA13J. DURING THE LAST ONE MONTH, HAVE WARNING LABELS ON CIGARETTE PACKAGES LED YOU TO THINK ABOUT QUITTING? | Yes..... 1 No..... 2 | |
| TA13K. Check TA4A: Current smoker of <u>manufactured</u> cigarettes? <input type="checkbox"/> Yes ⇒ Continue with TA13L. <input type="checkbox"/> No ⇒ Go to TA13O. | | |
| TA13L. THE LAST TIME YOU BOUGHT CIGARETTES FOR <u>YOURSELF</u> , HOW MANY CIGARETTES DID YOU BUY? | Cigarettes..... 1 ____ Packs..... 2 ____ Cartoons 3 ____ Other (<i>specify</i>) 4 ____ Never bought cigarettes for herself.... 996 | 1⇒TA13N 996⇒TA13O |
| TA13M. HOW MANY CIGARETTES WERE IN EACH (<i>unit circled in TA13L</i>)? | Number of cigarettes per unit ____ | |
| TA13N. IN TOTAL, HOW MUCH MONEY DID YOU PAY FOR THIS PURCHASE? | Price paid for purchase (naira) ____ DK..... 9998 | |
| TA13O. Check MT2: Reads newspapers or magazines? <input type="checkbox"/> Yes, sometimes reads newspapers or magazines (MT2 = 1, 2 or 3) ⇒ Continue with TA13P. <input type="checkbox"/> No, does not read newspapers or magazines (MT2 = 4 or left blank) ⇒ Go to TA13Q. | | |
| TA13P. DURING THE LAST ONE MONTH, HAVE YOU NOTICED INFORMATION IN NEWSPAPERS OR IN MAGAZINES ABOUT THE DANGERS OF SMOKING CIGARETTES OR THAT ENCOURAGES QUITTING? | Yes..... 1 No..... 2 Did not read newspapers or magazines.... 6 | |
| TA13Q. Check MT4: Watches television? <input type="checkbox"/> Yes, sometimes watches television (MT4 = 1, 2 or 3) ⇒ Continue with TA13R. <input type="checkbox"/> No, does not watch television (MT4 = 4) ⇒ Go to TA13S. | | |
| TA13R. DURING THE LAST ONE MONTH, HAVE YOU NOTICED INFORMATION ON TELEVISION ABOUT THE DANGERS OF SMOKING CIGARETTES OR THAT ENCOURAGES QUITTING? | Yes..... 1 No..... 2 Did not watch television..... 6 | |
| TA13S. DURING THE LAST ONE MONTH, HAVE YOU NOTICED ANY ADVERTISEMENTS OR SIGNS PROMOTING CIGARETTES IN STORES WHERE CIGARETTES ARE SOLD? | Yes..... 1 No..... 2 Did not go to any stores where cigarettes are sold ...6 | |

| <p>TA13T. DURING THE LAST ONE MONTH, HAVE YOU NOTICED ANY OF THE FOLLOWING TYPES OF CIGARETTE PROMOTIONS:</p> <p>[A] FREE SAMPLES OF CIGARETTES?</p> <p>[B] CIGARETTES AT SALE PRICES?</p> <p>[C] COUPONS FOR CIGARETTES?</p> <p>[D] FREE GIFTS OR SPECIAL DISCOUNT OFFERS ON OTHER PRODUCTS WHEN BUYING CIGARETTES?</p> <p>[E] CLOTHING OR OTHER ITEMS WITH A CIGARETTE BRAND NAME OR LOGO?</p> <p>[F] CIGARETTE PROMOTIONS IN THE MAIL?</p> <p>[G] CIGARETTE PROMOTIONS ON BILLBOARDS?</p> | <table border="0"> <thead> <tr> <th></th> <th style="text-align: center;">Yes</th> <th style="text-align: center;">No</th> <th style="text-align: center;">DK</th> </tr> </thead> <tbody> <tr> <td>Free samples of cigarettes.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>Cigarettes at sale prices</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>Coupons for cigarettes.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>Free gifts or special discount</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>Items with cigarette brand.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>Promotions in mail</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>Promotions on billboards</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> </tbody> </table> | | Yes | No | DK | Free samples of cigarettes..... | 1 | 2 | 8 | Cigarettes at sale prices | 1 | 2 | 8 | Coupons for cigarettes..... | 1 | 2 | 8 | Free gifts or special discount | 1 | 2 | 8 | Items with cigarette brand..... | 1 | 2 | 8 | Promotions in mail | 1 | 2 | 8 | Promotions on billboards | 1 | 2 | 8 | |
|---|---|---------------------------|-----|----|----|---------------------------------|---|---|---|---------------------------------|---|---|---|-----------------------------|---|---|---|--------------------------------------|---|---|---|---------------------------------|---|---|---|--------------------------|---|---|---|--------------------------------|---|---|---|--|
| | Yes | No | DK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Free samples of cigarettes..... | 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cigarettes at sale prices | 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coupons for cigarettes..... | 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Free gifts or special discount | 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Items with cigarette brand..... | 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Promotions in mail | 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Promotions on billboards | 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>TA14. NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT DRINKING ALCOHOL.</p> <p>HAVE YOU EVER DRUNK ALCOHOL?</p> | <p>Yes..... 1</p> <p>No..... 2</p> | <p>2⇒Next Module</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>TA15. WE COUNT ONE DRINK OF ALCOHOL AS ONE CAN OR BOTTLE OF BEER OR CALABASH OF PALM WINE, PITO OR BURUKUTU; ONE GLASS OF WINE; OR ONE SHOT OF COGNAC, VODKA, WHISKEY, RUM OR GIN.</p> <p>HOW OLD WERE YOU WHEN YOU HAD YOUR FIRST DRINK OF ALCOHOL, OTHER THAN A FEW SIPS?</p> | <p>Never had one drink of alcohol..... 00</p> <p>Age..... ____</p> | <p>00⇒Next Module</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>TA16. DURING THE LAST ONE MONTH, ON HOW MANY DAYS DID YOU HAVE AT LEAST ONE DRINK OF ALCOHOL?</p> <p><i>If respondent did not drink, circle "00".</i></p> <p><i>If less than 10 days, record the number of days.</i></p> <p><i>If 10 days or more but less than a month, circle "10".</i></p> <p><i>If "every day" or "almost every day", circle "30".</i></p> | <p>Did not have one drink in last one month.....00</p> <p>Number of days..... 0 ____</p> <p>10 days or more but less than a month.... 10</p> <p>Every day / Almost every day..... 30</p> | <p>00⇒Next Module</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>TA17. IN THE LAST ONE MONTH, ON THE DAYS THAT YOU DRANK ALCOHOL, HOW MANY DRINKS DID YOU USUALLY HAVE PER DAY?</p> | <p>Number of drinks..... ____</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LS1. Check WB2: Age of respondent is between 15 and 24?

- Age 25-49 ⇒ Go to WM11.
- Age 15-24 ⇒ Continue with LS2.

LS2. I WOULD LIKE TO ASK YOU SOME SIMPLE QUESTIONS ON HAPPINESS AND SATISFACTION.

FIRST, TAKING ALL THINGS TOGETHER, WOULD YOU SAY YOU ARE VERY HAPPY, SOMEWHAT HAPPY, NEITHER HAPPY NOR UNHAPPY, SOMEWHAT UNHAPPY OR VERY UNHAPPY?

YOU CAN ALSO LOOK AT THESE PICTURES TO HELP YOU WITH YOUR RESPONSE.

Show side 1 of response card and explain what each symbol represents. Circle the response code selected by the respondent.

- Very happy..... 1
- Somewhat happy..... 2
- Neither happy nor unhappy..... 3
- Somewhat unhappy..... 4
- Very unhappy..... 5

LS3. NOW I WILL ASK YOU QUESTIONS ABOUT YOUR LEVEL OF SATISFACTION IN DIFFERENT AREAS.

IN EACH CASE, WE HAVE FIVE POSSIBLE RESPONSES: PLEASE TELL ME, FOR EACH QUESTION, WHETHER YOU ARE VERY SATISFIED, SOMEWHAT SATISFIED, NEITHER SATISFIED NOR UNSATISFIED, SOMEWHAT UNSATISFIED OR VERY UNSATISFIED.

AGAIN, YOU CAN LOOK AT THESE PICTURES TO HELP YOU WITH YOUR RESPONSE.

Show side 2 of response card and explain what each symbol represents. Circle the response code selected by the respondent, for questions LS3 to LS13.

HOW SATISFIED ARE YOU WITH YOUR FAMILY LIFE?

- Very satisfied..... 1
- Somewhat satisfied..... 2
- Neither satisfied nor unsatisfied..... 3
- Somewhat unsatisfied..... 4
- Very unsatisfied..... 5

LS4. HOW SATISFIED ARE YOU WITH YOUR FRIENDSHIPS?

- Very satisfied..... 1
- Somewhat satisfied..... 2
- Neither satisfied nor unsatisfied..... 3
- Somewhat unsatisfied..... 4
- Very unsatisfied..... 5

LS5. DURING THE 2015-2016 SCHOOL YEAR, DID YOU ATTEND SCHOOL AT ANY TIME?

- Yes..... 1
- No..... 2

2⇒LS7

LS6. HOW SATISFIED (ARE/WERE) YOU WITH YOUR SCHOOL?

- Very satisfied..... 1
- Somewhat satisfied..... 2
- Neither satisfied nor unsatisfied..... 3
- Somewhat unsatisfied..... 4
- Very unsatisfied..... 5

LS7. HOW SATISFIED ARE YOU WITH YOUR CURRENT JOB?

If the respondent says that she does not have a job, circle "0" and continue with the next question. Do not probe to find out how she feels about not having a job, unless she tells you herself.

- Does not have a job..... 0
- Very satisfied..... 1
- Somewhat satisfied..... 2
- Neither satisfied nor unsatisfied..... 3
- Somewhat unsatisfied..... 4
- Very unsatisfied..... 5

LS8. HOW SATISFIED ARE YOU WITH YOUR HEALTH?

- Very satisfied..... 1
- Somewhat satisfied..... 2
- Neither satisfied nor unsatisfied..... 3
- Somewhat unsatisfied..... 4
- Very unsatisfied..... 5

LS9. HOW SATISFIED ARE YOU WITH WHERE YOU LIVE?

If necessary, explain that the question refers to the living environment, including the neighbourhood and the dwelling.

- Very satisfied..... 1
- Somewhat satisfied..... 2
- Neither satisfied nor unsatisfied..... 3
- Somewhat unsatisfied..... 4
- Very unsatisfied..... 5

LS10. HOW SATISFIED ARE YOU WITH HOW PEOPLE AROUND YOU GENERALLY TREAT YOU?

- Very satisfied..... 1
- Somewhat satisfied..... 2
- Neither satisfied nor unsatisfied..... 3
- Somewhat unsatisfied..... 4
- Very unsatisfied..... 5

| | | |
|--|--|--|
| LS11. HOW SATISFIED ARE YOU WITH THE WAY YOU LOOK? | Very satisfied..... 1 Somewhat satisfied 2 Neither satisfied nor unsatisfied..... 3 Somewhat unsatisfied..... 4 Very unsatisfied..... 5 | |
| LS12. HOW SATISFIED ARE YOU WITH YOUR LIFE, OVERALL? | Very satisfied..... 1 Somewhat satisfied 2 Neither satisfied nor unsatisfied..... 3 Somewhat unsatisfied..... 4 Very unsatisfied..... 5 | |
| LS13. HOW SATISFIED ARE YOU WITH YOUR CURRENT INCOME? <i>If the respondent says that she does not have any income, circle "0" and continue with the next question. Do not probe to find out how she feels about not having any income, unless she tells you herself.</i> | Does not have any income..... 0 Very satisfied..... 1 Somewhat satisfied 2 Neither satisfied nor unsatisfied..... 3 Somewhat unsatisfied..... 4 Very unsatisfied..... 5 | |
| LS14. COMPARED TO THIS TIME LAST YEAR, WOULD YOU SAY THAT YOUR LIFE HAS IMPROVED, STAYED MORE OR LESS THE SAME, OR WORSENEDED, OVERALL? | Improved..... 1 More or less the same..... 2 Worsened..... 3 | |
| LS15. AND IN ONE YEAR FROM NOW, DO YOU EXPECT THAT YOUR LIFE WILL BE BETTER, WILL BE MORE OR LESS THE SAME, OR WILL BE WORSE, OVERALL? | Better..... 1 More or less the same..... 2 Worse..... 3 | |

| | | |
|-------------------------------|------------------------------|--|
| WM11. Record the time. | Hour and minutes ____ : ____ | |
|-------------------------------|------------------------------|--|

| |
|---|
| <p>WM12. Check List of Household Members, columns HL7B and HL15: <i>Is the respondent the mother or caretaker of any child age 0-4 living in this household?</i></p> <p><input type="checkbox"/> Yes ⇒ <i>Proceed to complete the result of woman's interview (WM7) on the cover page and then go to QUESTIONNAIRE FOR CHILDREN UNDER FIVE for that child and start the interview with this respondent.</i></p> <p><input type="checkbox"/> No ⇒ <i>End the interview with this respondent by thanking her for her cooperation and proceed to complete the result of woman's interview (WM7) on the cover page.</i></p> |
|---|

Interviewer's Observations

Supervisor's Observations

| UNDER-FIVE CHILD INFORMATION PANEL | | UF |
|---|--|----|
| <p><i>This questionnaire is to be administered to all mothers or caregivers (see List of Household Members, column HL15) who care for a child that lives with them and is under the age of 5 years (see List of Household Members, column HL7B).</i></p> <p><i>A separate questionnaire should be used for each eligible child.</i></p> | | |
| UF1. Cluster number: _____ | UF2. Household number: _____ | |
| UF3. Child's name: Name _____ | UF4. Child's line number: _____ | |
| UF5. Mother's/Caregiver's name: Name _____ | UF6. Mother's/Caregiver's line number: _____ | |
| UF7. Interviewer's name and number: Name _____ | UF8. Day/Month/Year of interview: _____ / _____ / 2016 | |

| | |
|--|--|
| <p><i>Repeat greeting if not already read to this respondent:</i></p> <p>WE ARE FROM THE NATIONAL BUREAU OF STATISTICS. WE ARE CONDUCTING A SURVEY ABOUT THE SITUATION OF CHILDREN, FAMILIES AND HOUSEHOLDS. I WOULD LIKE TO TALK TO YOU ABOUT (<i>child's name from UF3</i>)'S HEALTH AND WELL-BEING. THE INTERVIEW WILL TAKE ABOUT 25 MINUTES. ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND ANONYMOUS.</p> | <p><i>If greeting at the beginning of the household questionnaire has already been read to this person, then read the following:</i></p> <p>NOW I WOULD LIKE TO TALK TO YOU MORE ABOUT (<i>child's name from UF3</i>)'S HEALTH AND OTHER TOPICS. THIS INTERVIEW WILL TAKE ABOUT 25 MINUTES. AGAIN, ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND ANONYMOUS.</p> |
| <p>MAY I START NOW?</p> <p><input type="checkbox"/> <i>Yes, permission is given</i> ⇒ Go to UF12 to record the time and then begin the interview.</p> <p><input type="checkbox"/> <i>No, permission is not given</i> ⇒ Circle '03' in UF9. Discuss this result with your supervisor.</p> | |

| | |
|--|---|
| UF9. Result of interview for children under 5 | Completed..... 01 Not at home..... 02 Refused..... 03 Partly completed..... 04 Incapacitated..... 05 Other (<i>specify</i>) _____ 96 |
|--|---|

| | |
|--|--|
| UF10. Field Supervisor's name and number: Name _____ | |
|--|--|

| | | |
|-------------------------------------|------------------------------|--|
| UF12. Record the start time. | Hour and minutes ____ : ____ | |
|-------------------------------------|------------------------------|--|

| AGE | AG |
|---|--|
| <p>AG1. NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT THE DEVELOPMENT AND HEALTH OF (<i>name</i>).</p> <p>ON WHAT DAY, MONTH AND YEAR WAS (<i>name</i>) BORN?</p> <p><i>Probe:</i> WHAT IS HIS/HER BIRTHDAY?</p> <p><i>If the mother/caretaker knows the exact birth date, also enter the day; otherwise, circle 98 for day.</i></p> <p><i>Month and year must be recorded.</i></p> | <p>Date of birth</p> <p>Day ____</p> <p>DK day..... 98</p> <p>Month..... ____</p> <p>Year..... 20 1 ____</p> |
| <p>AG2. HOW OLD IS (<i>name</i>)?</p> <p><i>Probe:</i> HOW OLD WAS (<i>name</i>) AT HIS/HER LAST BIRTHDAY?</p> <p><i>Record age in completed years.</i></p> <p><i>Record '0' if less than 1 year.</i></p> <p><i>Compare and correct AG1 and/or AG2 if inconsistent.</i></p> | <p>Age (in completed years)..... ____</p> |

| BIRTH REGISTRATION | | BR | |
|---|---|----|----------------|
| BR1. DOES <i>(name)</i> HAVE A BIRTH CERTIFICATE? <i>If yes, ask: MAY I SEE IT?</i> | Yes, seen..... | 1 | 1⇒BR3A |
| | Yes, not seen..... | 2 | 2⇒BR3A |
| | No..... | 3 | |
| | DK..... | 8 | |
| BR2. HAS <i>(name)</i> 'S BIRTH BEEN REGISTERED? | Yes..... | 1 | 1⇒BR3A |
| | No..... | 2 | |
| | DK..... | 8 | |
| BR3. DO YOU KNOW HOW TO REGISTER <i>(name)</i> 'S BIRTH? | Yes..... | 1 | 1⇒BR4 |
| | No..... | 2 | 2⇒BR4 |
| BR3A. DID YOU REGISTER <i>(name)</i> 'S BIRTH WITH THE NATIONAL POPULATION COMMISSION? | Yes..... | 1 | 1⇒ Next module |
| | No..... | 2 | |
| BR3B. WITH WHICH <u>OTHER</u> AUTHORITY WAS <i>(name)</i> 'S BIRTH FIRST REGISTERED? | LGA..... | 1 | 1⇒Next module |
| | Hospital/Private Clinic..... | 2 | 2⇒Next module |
| | Church/Mosque..... | 3 | 3⇒Next module |
| | Other (<i>specify</i>)..... | 4 | 4⇒Next module |
| BR4. WHAT IS THE MAIN REASON WHY <i>(name)</i> BIRTH WAS NOT REGISTERED? | Cost too much..... | 1 | |
| | Must travel too far..... | 2 | |
| | Did not know he/she should be registered..... | 3 | |
| | Did not consider it important..... | 4 | |
| | Does not know where to register..... | 5 | |
| | Other (<i>specify</i>)..... | 6 | |
| | DK..... | 8 | |

| EARLY CHILDHOOD DEVELOPMENT | | EC | | | | | | | | | | | | | | | | | | | | |
|---|--|------------------|--------|--------|-------|--------|---|---|---|---|---|-------------------------------------|---|---|---|---|---|---|---|---|--|--|
| <p>EC1. HOW MANY CHILDREN'S BOOKS OR PICTURE BOOKS DO YOU HAVE FOR <i>(name)</i>?</p> | None..... 00 Number of children's books..... 0__ Ten or more books..... 10 | | | | | | | | | | | | | | | | | | | | | |
| <p>EC2. I AM INTERESTED IN LEARNING ABOUT THE THINGS THAT <i>(name)</i> PLAYS WITH WHEN HE/SHE IS AT HOME.</p> <p>DOES HE/SHE PLAY WITH:</p> <p>[A] HOMEMADE TOYS (SUCH AS DOLLS, CARS, OR OTHER TOYS MADE AT HOME)?</p> <p>[B] TOYS FROM A SHOP OR MANUFACTURED TOYS?</p> <p>[C] HOUSEHOLD OBJECTS (SUCH AS BOWLS OR POTS) OR OBJECTS FOUND OUTSIDE (SUCH AS STICKS, ROCKS, ANIMAL SHELLS OR LEAVES)?</p> <p><i>If the respondent says "YES" to the categories above, then probe to learn specifically what the child plays with to ascertain the response.</i></p> | <table border="0"> <tr> <td></td> <td></td> <td>Y</td> <td>N</td> <td>DK</td> </tr> <tr> <td>Homemade toys.....</td> <td>1</td> <td>2</td> <td>8</td> <td></td> </tr> <tr> <td>Toys from a shop.....</td> <td>1</td> <td>2</td> <td>8</td> <td></td> </tr> <tr> <td>Household objects or outside objects.....</td> <td>1</td> <td>2</td> <td>8</td> <td></td> </tr> </table> | | | Y | N | DK | Homemade toys..... | 1 | 2 | 8 | | Toys from a shop..... | 1 | 2 | 8 | | Household objects or outside objects..... | 1 | 2 | 8 | | |
| | | Y | N | DK | | | | | | | | | | | | | | | | | | |
| Homemade toys..... | 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | |
| Toys from a shop..... | 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | |
| Household objects or outside objects..... | 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | |
| <p>EC3. SOMETIMES ADULTS TAKING CARE OF CHILDREN HAVE TO LEAVE THE HOUSE TO GO SHOPPING, WASH CLOTHES, OR FOR OTHER REASONS AND HAVE TO LEAVE YOUNG CHILDREN.</p> <p>ON HOW MANY DAYS IN THE PAST WEEK WAS <i>(name)</i>:</p> <p>[A] LEFT ALONE FOR MORE THAN AN HOUR?</p> <p>[B] LEFT IN THE CARE OF ANOTHER CHILD, THAT IS, SOMEONE LESS THAN 10 YEARS OLD, FOR MORE THAN AN HOUR?</p> <p><i>If 'none' enter'0'. If 'don't know' enter'8'.</i></p> | Number of days left alone for more than an hour..... — Number of days left with other child for more than an hour..... — | | | | | | | | | | | | | | | | | | | | | |
| <p>EC4. Check AG2: Age of child.</p> <p><input type="checkbox"/> Child age 0, 1 or 2 ⇒ Go to Next Module.</p> <p><input type="checkbox"/> Child age 3 or 4 ⇒ Continue with EC5.</p> | | | | | | | | | | | | | | | | | | | | | | |
| <p>EC5. DOES <i>(name)</i> ATTEND ANY ORGANIZED LEARNING OR EARLY CHILDHOOD EDUCATION PROGRAMME, SUCH AS A PRIVATE OR GOVERNMENT FACILITY, INCLUDING KINDERGARTEN OR COMMUNITY CHILD CARE?</p> | Yes..... 1 No..... 2 DK..... 8 | 2⇒ EC7 8⇒ EC7 | | | | | | | | | | | | | | | | | | | | |
| <p>EC5A. IS THE LEARNING CENTRE PUBLIC OR PRIVATE?</p> | Public..... 1 Private..... 2 | | | | | | | | | | | | | | | | | | | | | |
| <p>EC6. WITHIN THE LAST SEVEN DAYS, ABOUT HOW MANY HOURS DID <i>(name)</i> ATTEND?</p> | Numbers of Hours..... ---- DK..... 98 | | | | | | | | | | | | | | | | | | | | | |
| <p>EC7. IN THE PAST 3 DAYS, DID YOU OR ANY HOUSEHOLD MEMBER AGE 15 OR OVER ENGAGE IN ANY OF THE FOLLOWING ACTIVITIES WITH <i>(name)</i>:</p> <p><i>If yes, ask: WHO ENGAGED IN THIS ACTIVITY WITH <i>(name)</i>?</i></p> <p><i>Circle all that apply.</i></p> | <table border="0"> <tr> <td></td> <td>Mother</td> <td>Father</td> <td>Other</td> <td>No one</td> </tr> <tr> <td>[A] READ BOOKS TO OR LOOKED AT PICTURE BOOKS WITH <i>(name)</i>?</td> <td>A</td> <td>B</td> <td>X</td> <td>Y</td> </tr> <tr> <td>[B] TOLD STORIES TO <i>(name)</i>?</td> <td>A</td> <td>B</td> <td>X</td> <td>Y</td> </tr> </table> | | Mother | Father | Other | No one | [A] READ BOOKS TO OR LOOKED AT PICTURE BOOKS WITH <i>(name)</i> ? | A | B | X | Y | [B] TOLD STORIES TO <i>(name)</i> ? | A | B | X | Y | | | | | | |
| | Mother | Father | Other | No one | | | | | | | | | | | | | | | | | | |
| [A] READ BOOKS TO OR LOOKED AT PICTURE BOOKS WITH <i>(name)</i> ? | A | B | X | Y | | | | | | | | | | | | | | | | | | |
| [B] TOLD STORIES TO <i>(name)</i> ? | A | B | X | Y | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|--|---------------|---|---------|---|---------|---|
| [C] SANG SONGS TO <i>(name)</i> OR WITH <i>(name)</i> , INCLUDING LULLABIES? | Sang songs | A | B | X | Y | |
| [D] TOOK <i>(name)</i> OUTSIDE THE HOME, COMPOUND, YARD OR ENCLOSURE? | Took outside | A | B | X | Y | |
| [E] PLAYED WITH <i>(name)</i> ? | Played with | A | B | X | Y | |
| [F] NAMED, COUNTED, OR DREW THINGS TO OR WITH <i>(name)</i> ? | Named/counted | A | B | X | Y | |
| EC8. I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT THE HEALTH AND DEVELOPMENT OF <i>(name)</i> . CHILDREN DO NOT ALL DEVELOP AND LEARN AT THE SAME RATE. FOR EXAMPLE, SOME WALK EARLIER THAN OTHERS. THESE QUESTIONS ARE RELATED TO SEVERAL ASPECTS OF <i>(name)</i> 'S DEVELOPMENT. CAN <i>(name)</i> IDENTIFY OR NAME AT LEAST TEN LETTERS OF THE ALPHABET? | Yes..... | 1 | No..... | 2 | DK..... | 8 |
| EC9. CAN <i>(name)</i> READ AT LEAST FOUR SIMPLE, POPULAR WORDS? | Yes..... | 1 | No..... | 2 | DK..... | 8 |
| EC10. DOES <i>(name)</i> KNOW THE NAME AND RECOGNIZE THE SYMBOL OF ALL NUMBERS FROM 1 TO 10? | Yes..... | 1 | No..... | 2 | DK..... | 8 |
| EC11. CAN <i>(name)</i> PICK UP A SMALL OBJECT WITH TWO FINGERS, LIKE A STICK OR A ROCK FROM THE GROUND? | Yes..... | 1 | No..... | 2 | DK..... | 8 |
| EC12. IS <i>(name)</i> SOMETIMES TOO SICK TO PLAY? | Yes..... | 1 | No..... | 2 | DK..... | 8 |
| EC13. DOES <i>(name)</i> FOLLOW SIMPLE DIRECTIONS ON HOW TO DO SOMETHING CORRECTLY? | Yes..... | 1 | No..... | 2 | DK..... | 8 |
| EC14. WHEN GIVEN SOMETHING TO DO, IS <i>(name)</i> ABLE TO DO IT INDEPENDENTLY? | Yes..... | 1 | No..... | 2 | DK..... | 8 |
| EC15. DOES <i>(name)</i> GET ALONG WELL WITH OTHER CHILDREN? | Yes..... | 1 | No..... | 2 | DK..... | 8 |
| EC16. DOES <i>(name)</i> KICK, BITE, OR HIT OTHER CHILDREN OR ADULTS? | Yes..... | 1 | No..... | 2 | DK..... | 8 |
| EC17. DOES <i>(name)</i> GET DISTRACTED EASILY? | Yes..... | 1 | No..... | 2 | DK..... | 8 |

BREASTFEEDING AND DIETARY INTAKE

BD

BD1. Check AG2: Age of child

- Child age 0, 1 or 2 ⇒ Continue with BD2.
- Child age 3 or 4 ⇒ Go to CARE OF ILLNESS Module.

| | | |
|---|---|-----------------|
| BD2. HAS (name) EVER BEEN BREASTFED? | Yes 1 No 2 DK 8 | 2⇒BD4 8⇒BD4 |
| BD3. IS (name) STILL BEING BREASTFED? | Yes 1 No 2 DK 8 | |
| BD4. YESTERDAY, DURING THE DAY OR NIGHT, DID (name) DRINK ANYTHING FROM A BOTTLE WITH A NIPPLE? | Yes 1 No 2 DK 8 | |
| BD5. DID (name) DRINK ORS (ORAL REHYDRATION SOLUTION) YESTERDAY, DURING THE DAY OR NIGHT? | Yes 1 No 2 DK 8 | |
| BD6. DID (name) DRINK OR EAT VITAMIN OR MINERAL SUPPLEMENTS OR ANY MEDICINES YESTERDAY, DURING THE DAY OR NIGHT? | Yes 1 No 2 DK 8 | |
| BD7. NOW I WOULD LIKE TO ASK YOU ABOUT (OTHER) LIQUIDS THAT (name) MAY HAVE HAD YESTERDAY DURING THE DAY OR THE NIGHT. I AM INTERESTED TO KNOW WHETHER (name) HAD THE ITEM EVEN IF COMBINED WITH OTHER FOODS. PLEASE INCLUDE LIQUIDS CONSUMED OUTSIDE OF YOUR HOME. DID (name) DRINK (Name of item) YESTERDAY DURING THE DAY OR THE NIGHT: | | |
| | Yes No DK | |
| [A] PLAIN WATER? | Plain water | 1 2 8 |
| [B] JUICE OR JUICE DRINKS? | Juice or juice drinks | 1 2 8 |
| [C] BROTH, SUCH AS CLEAR SOUP OR BOILED MEAT SOUP | Broth | 1 2 8 |
| [D] MILK SUCH AS TINNED, POWDERED, OR FRESH ANIMAL MILK? | Milk | 1 2 8 |
| <i>If yes: HOW MANY TIMES DID (name) DRINK MILK? If 7 or more times, record '7'. If unknown, record '8'.</i> | Number of times drank milk..... | __ |
| [E] INFANT FORMULA? | Infant formula | 1 2 8 |
| <i>If yes: HOW MANY TIMES DID (name) DRINK INFANT FORMULA? If 7 or more times, record '7'. If unknown, record '8'.</i> | Number of times drank infant formula | __ |
| [F] ANY OTHER LIQUIDS? (Specify) _____ | Other liquids | 1 2 8 |
| BD8. NOW I WOULD LIKE TO ASK YOU ABOUT (OTHER) FOODS THAT (name) MAY HAVE HAD YESTERDAY DURING THE DAY OR THE NIGHT. AGAIN, I AM INTERESTED TO KNOW WHETHER (name) HAD THE ITEM EVEN IF COMBINED WITH OTHER FOODS. PLEASE INCLUDE FOODS CONSUMED OUTSIDE OF YOUR HOME. | | |
| DID (name) EAT (Name of food) YESTERDAY DURING THE DAY OR THE NIGHT: | | Yes No DK |
| [A] YOGHURT? | Yoghurt | 1 2 8 |
| <i>If yes: HOW MANY TIMES DID (name) DRINK OR EAT YOGHURT? If 7 or more times, record '7'. If unknown, record '8'.</i> | Number of times drank/ate yoghurt | __ |
| [B] ANY FORTIFIED BABY FOOD, E.G., CERELAC, NAN, SMA GOLD, LACTOGEN, ETC. | Cerelac | 1 2 8 |

| | | | | |
|---|--|---|---|---|
| [C] BREAD, RICE, NOODLES, PORRIDGE, MILLET, WHEAT, OAT, PAP, TUWO, FURRAH, BISCUIT, ACHA OR OTHER FOODS MADE FROM GRAINS? | Foods made from grains | 1 | 2 | 8 |
| [D] PUMPKIN, CARROTS, SQUASH OR SWEET POTATOES THAT ARE YELLOW OR ORANGE INSIDE? | Pumpkin, carrots, squash, etc. | 1 | 2 | 8 |
| [E] WHITE POTATOES, WHITE YAMS, CASSAVA, OR ANY OTHER FOODS MADE FROM ROOTS? | White potatoes, white yams, cassava, etc. | 1 | 2 | 8 |
| [F] ANY DARK GREEN, LEAFY VEGETABLES, EWEDU, UGWU, ETC. | Dark green, leafy vegetables | 1 | 2 | 8 |
| [G] RIPE MANGOES, PAPAYAS | Ripe mangoes | 1 | 2 | 8 |
| [H] ANY OTHER FRUITS OR VEGETABLES? LIKE SMASH BANANA | Other fruits or vegetables | 1 | 2 | 8 |
| [I] LIVER, KIDNEY, HEART, CONGEALED BLOOD, OR OTHER ORGAN MEATS? | Liver, kidney, heart or other organ meats | 1 | 2 | 8 |
| [J] ANY MEAT, SUCH AS BEEF, PORK, LAMB, GOAT, KILISHI, DANBUNNAMA, SUYA, CHICKEN, DUCK OR OTHER BIRDS? | Meat, such as beef, pork, lamb, goat, etc. | 1 | 2 | 8 |
| [K] EGGS? | Eggs | 1 | 2 | 8 |
| [L] FRESH OR DRIED FISH OR SHELLFISH? | Fresh or dried fish | 1 | 2 | 8 |
| [M] ANY FOODS MADE FROM BEANS, PEAS, BENNE SEED, SOYA BEANS, TOFU, LENTILS OR NUTS? (AKARA, MOIN-MOIN, EKURU, OKPA) | Foods made from beans, peas, etc. | 1 | 2 | 8 |
| [N] CHEESE, NUNU OR OTHER FOOD MADE FROM MILK? | Cheese or other food made from milk | 1 | 2 | 8 |
| [P] ANY FOOD MADE WITH PALM OIL? | Any food made with palm oil | 1 | 2 | 8 |
| [O] ANY OTHER SOLID, SEMI-SOLID, OR SOFT FOOD THAT I HAVE NOT MENTIONED? (Specify) _____ | Other solid, semi-solid, or soft food | 1 | 2 | 8 |

BD9. Check BD8 (Categories "A" through "O").

- At least one "Yes" or all "DK" ⇒ Go to BD11.
 Else ⇒ Continue with BD10.

BD10. Probe to determine whether the child ate any solid, semi-solid or soft foods yesterday during the day or night.

- The child did not eat or the respondent does not know ⇒ Go to Next Module.
 The child ate at least one solid, semi-solid or soft food item mentioned by the respondent ⇒ Go back to BD8 and record food eaten yesterday [A to O]. When finished, continue with BD11.

BD11. HOW MANY TIMES DID (name) EAT ANY SOLID, SEMI-SOLID OR SOFT FOODS YESTERDAY DURING THE DAY OR NIGHT?

If 7 or more times, record '7'.

Number of times

DK 8

| | |
|---------------------|-----------|
| IMMUNIZATION | IM |
|---------------------|-----------|

If an immunization card is available, copy the dates in IM3 for each type of immunization and Vitamin A recorded on the card. IM7-IM17 will only be asked if a card is not available.

| | | |
|---|---|---------------------------|
| <p>IM0A. HAS (<i>name</i>) EVER RECEIVED ANY VACCINATIONS TO PREVENT HIM/HER FROM GETTING DISEASES, INCLUDING VACCINATIONS RECEIVED IN A CAMPAIGN OR IMMUNIZATION DAY OR CHILD HEALTH DAY?</p> <p><i>If no, probe:</i> DO YOU HAVE, OR DID YOU EVER HAVE, AN IMMUNIZATION CARD FOR (<i>name</i>)'?</p> | <p>Yes..... 1</p> <p>No..... 2</p> | <p>2⇒IM22</p> |
| <p>IM0B. WHERE WAS (<i>name</i>) GIVEN IMMUNIZATION?</p> <p><i>Probe:</i> ANY OTHER PLACE?</p> <p><i>Keep asking for more places until the mother/caretaker cannot recall any additional place.</i></p> | <p>Government hospital..... A</p> <p>Government health centre..... B</p> <p>Mobile / Outreach clinic by government services C</p> <p>Private facility (including NGO)..... D</p> <p>Campaigns / Supplementary immunization activities E</p> <p>Other (<i>specify</i>)..... X</p> <p>DK..... Z</p> | |
| <p>IM0C. PLEASE TELL ME IF (<i>name</i>) HAS PARTICIPATED IN ANY OF THE FOLLOWING IMMUNIZATION CAMPAIGNS:</p> <p>[A] MARCH 2016 CAMPAIGN</p> <p>[B] FEBRUARY 2016 CAMPAIGN</p> <p>[C] NOVEMBER 2015 CAMPAIGN</p> <p>[D] OCTOBER 2015 CAMPAIGN</p> | <p>Y N DK</p> <p>Mar 2016 campaign 1 2 8</p> <p>Feb 2016 campaign 1 2 8</p> <p>Nov 2015 campaign 1 2 8</p> <p>Oct 2015 campaign 1 2 8</p> | |
| <p>IM1. DO YOU HAVE CARDS WHERE (<i>name</i>)'S VACCINATIONS ARE WRITTEN DOWN?</p> <p><i>If yes: MAY I SEE THEM PLEASE?</i></p> | <p>Yes, seen..... 1</p> <p>Yes, not seen..... 2</p> <p>No card..... 3</p> | <p>2⇒IM7</p> <p>3⇒IM7</p> |

| IM3. (a) Copy dates for each vaccination from the card. (b) Write '44' in day column if card shows that vaccination was given but no date recorded. | | Date of Immunization | | | | | |
|--|---------------|----------------------|---|---------|--|------|--|
| | | Day | | Month | | Year | |
| HEPB AT BIRTH | HEP0 | | | | | | |
| POLIO AT BIRTH | OPV0 | | | | | | |
| BCG | BCG | | | | | | |
| POLIO 1 | OPV1 | | | | | | |
| PENTA 1 / DPT 1 | PENTA1/DPT1 | | | | | | |
| PCV 1 | PCV1 | | | | | | |
| POLIO 2 | OPV2 | | | | | | |
| PENTA 2 / DPT 2 | PENTA2 / DPT2 | | | | | | |
| PCV 2 | PCV2 | | | | | | |
| POLIO 3 | OPV3 | | | | | | |
| PENTA 3 / DPT 3 | PENTA3/DPT3 | | | | | | |
| PCV 3 | PCV3 | | | | | | |
| IPV | IPV | | | | | | |
| MEASLES | MEASLES | | | | | | |
| YELLOW FEVER | YF | | | | | | |
| VITAMIN A (FIRST DOSE) | VITA1 | | | | | | |
| VITAMIN A (SECOND DOSE) | VITA2 | | | | | | |
| IM5. IN ADDITION TO WHAT IS RECORDED ON THIS CARD, DID (<i>name</i>) RECEIVE ANY OTHER VACCINATIONS – INCLUDING VACCINATIONS RECEIVED IN CAMPAIGNS OR IMMUNIZATION DAYS OR CHILD HEALTH DAYS? <input type="checkbox"/> Yes ⇒ Go back to IM3 and probe for these vaccinations and write '66' in the corresponding day column for each vaccine mentioned. When finished, skip to IM20. <input type="checkbox"/> No/DK ⇒ Go to IM20. | | | | | | | |
| IM7. HAS (<i>name</i>) EVER RECEIVED A BCG VACCINATION AGAINST TUBERCULOSIS – THAT IS, AN INJECTION IN THE LEFT ARM OR SHOULDER THAT USUALLY CAUSES A SCAR? | | Yes..... | 1 | | | | |
| | | No..... | 2 | | | | |
| | | DK..... | 8 | | | | |
| IM8. HAS (<i>name</i>) EVER RECEIVED ANY VACCINATION DROPS IN THE MOUTH TO PROTECT HIM/HER FROM POLIO? | | Yes..... | 1 | | | | |
| | | No..... | 2 | 2⇒IM10A | | | |
| | | DK..... | 8 | 8⇒IM10A | | | |
| IM9. WAS THE FIRST POLIO VACCINE RECEIVED IN THE FIRST TWO WEEKS AFTER BIRTH? | | Yes..... | 1 | | | | |
| | | No..... | 2 | | | | |
| IM10. HOW MANY TIMES WAS THE POLIO VACCINE RECEIVED? | | Number of times..... | — | | | | |
| IM10A. HAS (<i>name</i>) EVER RECEIVED AN IPV VACCINATION – THAT IS, AN INJECTION IN THE RIGHT THIGH TO PROTECT HIM/HER FROM POLIO? <i>Probe by indicating that IPV vaccination is sometimes given at the same time as the 3rd dose of oral Polio.</i> | | Yes..... | 1 | | | | |
| | | No..... | 2 | | | | |
| | | DK..... | 8 | | | | |

| | | |
|---|---|-----------------------------|
| <p>IM12A. HAS (<i>name</i>) EVER RECEIVED A PENTAVALENT VACCINATION – THAT IS, AN INJECTION IN THE LEFT THIGH TO PREVENT HIM/HER FROM GETTING DIPHTHERIA, PERTUSSIS (WHOOPING COUGH), TETANUS, HEPATITIS B DISEASE, AND HAEMOPHILUS INFLUENZAE TYPE B?</p> <p><i>Probe by indicating that pentavalent vaccination is sometimes given at the same time as oral Polio.</i></p> | <p>Yes..... 1</p> <p>No..... 2</p> <p>DK..... 8</p> | <p>2⇒IM14</p> <p>8⇒IM14</p> |
| <p>IM12B. HOW MANY TIMES WAS THE PENTAVALENT VACCINE RECEIVED?</p> | <p>Number of times..... —</p> | |
| <p>IM14. DID (<i>name</i>) RECEIVE A HEPATITIS B VACCINATION – THAT IS AN INJECTION IN THE RIGHT THIGH TO PREVENT HEPATITIS B DISEASE – WITHIN THE FIRST 24 HOURS AFTER BIRTH?</p> | <p>Yes, within 24 hours..... 1</p> <p>Yes, but not within 24 hours..... 2</p> <p>No..... 3</p> <p>DK..... 8</p> | |
| <p>IM15A. HAS (<i>name</i>) EVER RECEIVED A PCV VACCINATION – THAT IS, AN INJECTION IN THE RIGHT THIGH TO PREVENT HIM/HER FROM GETTING PNEUMONIA?</p> | <p>Yes..... 1</p> <p>No..... 2</p> <p>DK..... 8</p> | <p>2⇒IM16</p> <p>8⇒IM16</p> |
| <p>IM15B. HOW MANY TIMES WAS THE PCV VACCINE RECEIVED?</p> | <p>Number of times..... —</p> | |
| <p>IM16. HAS (<i>name</i>) EVER RECEIVED A MEASLES INJECTION – THAT IS, AN INJECTION IN THE LEFT ARM AT THE AGE OF 9 MONTHS OR OLDER - TO PREVENT HIM/HER FROM GETTING MEASLES?</p> | <p>Yes..... 1</p> <p>No..... 2</p> <p>DK..... 8</p> | |
| <p>IM17. HAS (<i>name</i>) EVER RECEIVED THE YELLOW FEVER VACCINATION – THAT IS, AN INJECTION IN THE RIGHT ARM AT THE AGE OF 9 MONTHS OR OLDER - TO PREVENT HIM/HER FROM GETTING YELLOW FEVER?</p> <p><i>Probe by indicating that the Yellow Fever vaccine is sometimes given at the same time as the measles vaccine.</i></p> | <p>Yes..... 1</p> <p>No..... 2</p> <p>DK..... 8</p> | |
| <p>IM20. Check AG2: Age of child</p> <p><input type="checkbox"/> Child age 0 ⇒ Go to Next Module.</p> <p><input type="checkbox"/> Child age 1 or 2 ⇒ Continue with IM21.</p> | | |

IM21. If the child has an immunization card check IM3, otherwise check IM7 to IM17. Are any vaccine doses, from **BCG to Yellow fever**, missing?

Yes, some vaccine doses are missing ⇒ Continue with IM22.

No vaccine doses are missing ⇒ Go to Next Module.

IM22. WHAT ARE THE REASONS FOR (*name*) NOT RECEIVING (ALL OR SOME) VACCINES?

Probe:
ANY OTHER REASON?

Keep asking for more reasons until the mother/caretaker cannot recall any additional reason. Do not prompt with any suggestions.

- Lack of knowledge or lack of information
 - Thought the child was fully immunized.....A
 - Unaware of need for immunizationB
 - Unaware of need to return for 2nd or 3rd dose C
 - Place and / or time of immunization unknown D
- Lack of time or other family issues
 - Postponed until another timeE
 - Mother / caretaker too busyF
 - Family problem, including illness of mother..... G
- Mistrust or fears
 - No faith in immunization H
 - Fear of side reactionsI
 - Myths / Rumours J
 - Believes there were contraindications.....K
- Service delivery issues
 - Place of immunization too far..... L
 - Time of immunization inconvenient..... M
 - Vaccinator absent..... N
 - Vaccine not available..... O
 - Long waiting time.....P
- Illness of the child
 - Child ill – not brought..... Q
 - Child ill – brought but not given immunization R
- Other (*specify*) X

| CARE OF ILLNESS | | CA |
|---|--|------------------|
| CA1. IN THE LAST TWO WEEKS, HAS (<i>name</i>) HAD DIARRHOEA? | Yes..... 1 No..... 2 DK..... 8 | 2⇒CA6A 8⇒CA6A |
| CA2. I WOULD LIKE TO KNOW HOW MUCH (<i>name</i>) WAS GIVEN TO DRINK DURING THE DIARRHOEA (INCLUDING BREAST MILK). DURING THE TIME (<i>name</i>) HAD DIARRHOEA, WAS HE/SHE GIVEN LESS THAN USUAL TO DRINK, ABOUT THE SAME AMOUNT, OR MORE THAN USUAL? <i>If 'less', probe:</i> WAS HE/SHE GIVEN MUCH LESS THAN USUAL TO DRINK, OR SOMEWHAT LESS? | Much less..... 1 Somewhat less..... 2 About the same..... 3 More..... 4 Nothing to drink..... 5 DK..... 8 | |
| CA3. DURING THE TIME (<i>name</i>) HAD DIARRHOEA, WAS HE/SHE GIVEN LESS THAN USUAL TO EAT, ABOUT THE SAME AMOUNT, MORE THAN USUAL, OR NOTHING TO EAT? <i>If 'less', probe:</i> WAS HE/SHE GIVEN MUCH LESS THAN USUAL TO EAT OR SOMEWHAT LESS? | Much less..... 1 Somewhat less..... 2 About the same..... 3 More..... 4 Stopped food..... 5 Never gave food..... 6 DK..... 8 | |
| CA3A. DID YOU SEEK ANY ADVICE OR TREATMENT FOR THE DIARRHOEA FROM ANY SOURCE? | Yes..... 1 No..... 2 DK..... 8 | 2⇒CA4 8⇒CA4 |
| CA3B. FROM WHERE DID YOU SEEK ADVICE OR TREATMENT? <i>Probe:</i> ANYWHERE ELSE? <i>Circle all providers mentioned, but do NOT prompt with any suggestions.</i> <i>Probe to identify each type of source.</i> <i>If unable to determine if public or private sector, write the name of the place.</i> _____ (<i>Name of place</i>) | Public sector Government hospital..... A Government health centre..... B Government health post..... C Community health worker..... D Mobile / Outreach clinic..... E Other public (<i>specify</i>)..... H Private medical sector Private hospital / clinic..... I Private physician..... J Private pharmacy..... K Mobile clinic..... L Other private medical (<i>specify</i>)..... O Other source Relative / Friend..... P Shop..... Q Traditional practitioner..... R Other (<i>specify</i>)..... X | |
| CA4. DURING THE TIME (<i>name</i>) HAD DIARRHOEA, WAS (<i>name</i>) GIVEN TO DRINK: [A] A FLUID MADE FROM A SPECIAL PACKET CALLED ORS <i>packet</i> ? [B] A PRE-PACKAGED ORS FLUID FOR DIARRHOEA? | Fluid from ORS packet..... 1 2 8 Pre-packaged ORS fluid..... 1 2 8 | Y N DK |
| CA4A. Check CA4: ORS. | | |
| <input type="checkbox"/> Child was given ORS ('Yes' circled in 'A' or 'B' in CA4) ⇒ Continue with CA4B. | | |
| <input type="checkbox"/> Child was not given ORS ⇒ Go to CA4C. | | |

| | | |
|--|---|-----------------------------|
| <p>CA4B. WHERE DID YOU GET THE ORS?</p> <p><i>Probe to identify the type of source.</i></p> <p><i>If unable to determine whether public or private, write the name of the place.</i></p> <p>_____</p> <p>(Name of place)</p> | <p>Public sector</p> <p>Government hospital..... 11</p> <p>Government health centre..... 12</p> <p>Government health post..... 13</p> <p>Community health worker..... 14</p> <p>Mobile / Outreach clinic..... 15</p> <p>Other public (<i>specify</i>)..... 16</p> <p>Private medical sector</p> <p>Private hospital / clinic..... 21</p> <p>Private physician..... 22</p> <p>Private pharmacy..... 23</p> <p>Mobile clinic..... 24</p> <p>Other private medical (<i>specify</i>)..... 26</p> <p>Other source</p> <p>Relative / Friend..... 31</p> <p>Shop..... 32</p> <p>Traditional practitioner..... 33</p> <p>Already had at home..... 40</p> <p>Other (<i>specify</i>)..... 96</p> | |
| <p>CA4C. DURING THE TIME (name) HAD DIARRHOEA, WAS (name) GIVEN:</p> <p>[A] ZINC TABLETS?</p> <p>[B] ZINC SYRUP?</p> | <p style="text-align: right;">Y N DK</p> <p>Zinc Tablet..... 1 2 8</p> <p>Zinc Syrup..... 1 2 8</p> | |
| <p>CA4D. Check CA4C: Any zinc?</p> <p><input type="checkbox"/> Child given any zinc ('Yes' circled in 'A' or 'B' in CA4C) ⇒ Continue with CA4E.</p> <p><input type="checkbox"/> Child was not given any zinc ⇒ Go to CA4F.</p> | | |
| <p>CA4E. WHERE DID YOU GET THE ZINC?</p> <p><i>Probe to identify the type of source.</i></p> <p><i>If unable to determine whether public or private, write the name of the place.</i></p> <p>_____</p> <p>(Name of place)</p> | <p>Public sector</p> <p>Government hospital..... 11</p> <p>Government health centre..... 12</p> <p>Government health post..... 13</p> <p>Community health worker..... 14</p> <p>Mobile / Outreach clinic..... 15</p> <p>Other public (<i>specify</i>)..... 16</p> <p>Private medical sector</p> <p>Private hospital / clinic..... 21</p> <p>Private physician..... 22</p> <p>Private pharmacy..... 23</p> <p>Mobile clinic..... 24</p> <p>Other private medical (<i>specify</i>)..... 26</p> <p>Other source</p> <p>Relative / Friend..... 31</p> <p>Shop..... 32</p> <p>Traditional practitioner..... 33</p> <p>Already had at home..... 40</p> <p>Other (<i>specify</i>)..... 96</p> | |
| <p>CA4F. DURING THE TIME (name) HAD DIARRHOEA, WAS (name) GIVEN TO DRINK ANY OF THE FOLLOWING:</p> <p><i>Read each item aloud and record response before proceeding to the next item.</i></p> <p>[A] SALT SUGAR SOLUTION</p> <p>[B] COCONUT WATER</p> <p>[C] RICE WATER</p> | <p style="text-align: right;">Y N DK</p> <p>Salt sugar solution..... 1 2 8</p> <p>Coconut water..... 1 2 8</p> <p>Rice water..... 1 2 8</p> | |
| <p>CA5. WAS ANYTHING (ELSE) GIVEN TO TREAT THE DIARRHOEA?</p> | <p>Yes..... 1</p> <p>No..... 2</p> <p>DK..... 8</p> | <p>2⇒CA6A</p> <p>8⇒CA6A</p> |

| | | |
|--|---|---|
| <p>CA6. WHAT (ELSE) WAS GIVEN TO TREAT THE DIARRHOEA?</p> <p><i>Probe:</i> ANYTHING ELSE?</p> <p><i>Record all treatments given. Write brand name(s) of all medicines mentioned.</i></p> <p>_____</p> <p style="text-align: center;">(Name)</p> | <p>Pill or Syrup</p> <p>Antibiotic..... A</p> <p>Antimotility..... B</p> <p>Other pill or syrup (Not antibiotic, antimotility or zinc)..... G</p> <p>Unknown pill or syrup..... H</p> <p>Injection</p> <p>Antibiotic..... L</p> <p>Non-antibiotic..... M</p> <p>Unknown injection..... N</p> <p>Intravenous..... O</p> <p>Home remedy/Herbal medicine..... Q</p> <p>Other (<i>specify</i>)..... X</p> | |
| <p>CA6A. IN THE LAST TWO WEEKS, HAS (name) BEEN ILL WITH A FEVER AT ANY TIME?</p> | <p>Yes..... 1</p> <p>No..... 2</p> <p>DK..... 8</p> | <p>2⇒CA7</p> <p>8⇒CA7</p> |
| <p>CA6B. AT ANY TIME DURING THE ILLNESS, DID (name) HAVE BLOOD TAKEN FROM HIS/HER FINGER OR HEEL FOR TESTING?</p> | <p>Yes..... 1</p> <p>No..... 2</p> <p>DK..... 8</p> | |
| <p>CA7. AT ANY TIME IN THE LAST TWO WEEKS, HAS (name) HAD AN ILLNESS WITH A COUGH?</p> | <p>Yes..... 1</p> <p>No..... 2</p> <p>DK..... 8</p> | <p>2⇒CA9A</p> <p>8⇒CA9A</p> |
| <p>CA8. WHEN (name) HAD AN ILLNESS WITH A COUGH, DID HE/SHE BREATHE FASTER THAN USUAL WITH SHORT, RAPID BREATHS OR HAVE DIFFICULTY BREATHING?</p> | <p>Yes..... 1</p> <p>No..... 2</p> <p>DK..... 8</p> | <p>2⇒CA10</p> <p>8⇒CA10</p> |
| <p>CA9. WAS THE FAST OR DIFFICULT BREATHING DUE TO A PROBLEM IN THE CHEST OR A BLOCKED OR RUNNY NOSE?</p> | <p>Problem in chest only..... 1</p> <p>Blocked or runny nose only..... 2</p> <p>Both..... 3</p> <p>Other (<i>specify</i>)..... 6</p> <p>DK..... 8</p> | <p>1⇒CA10</p> <p>2⇒CA10</p> <p>3⇒CA10</p> <p>6⇒CA10</p> <p>8⇒CA10</p> |
| <p>CA9A. Check CA6A: Had fever?</p> <p><input type="checkbox"/> Child had fever ⇒ Continue with CA10.</p> <p><input type="checkbox"/> Child did not have fever ⇒ Go to CA14.</p> | | |
| <p>CA10. DID YOU SEEK ANY ADVICE OR TREATMENT FOR THE ILLNESS FROM ANY SOURCE?</p> | <p>Yes..... 1</p> <p>No..... 2</p> <p>DK..... 8</p> | <p>2⇒CA12</p> <p>8⇒CA12</p> |
| <p>CA11. FROM WHERE DID YOU SEEK ADVICE OR TREATMENT?</p> <p><i>Probe:</i> ANYWHERE ELSE?</p> <p><i>Circle all providers mentioned, but do NOT prompt with any suggestions.</i></p> <p><i>Probe to identify each type of source.</i></p> <p><i>If unable to determine if public or private sector, write the name of the place.</i></p> <p>_____</p> <p style="text-align: center;">(Name of place)</p> | <p>Public sector</p> <p>Government hospital..... A</p> <p>Government health centre..... B</p> <p>Government health post..... C</p> <p>Community health worker..... D</p> <p>Mobile / Outreach clinic..... E</p> <p>Other public (<i>specify</i>)..... H</p> <p>Private medical sector</p> <p>Private hospital/clinic..... I</p> <p>Private physician..... J</p> <p>Private pharmacy..... K</p> <p>Mobile clinic..... L</p> <p>Other private medical (<i>specify</i>)..... O</p> <p>Other source</p> <p>Relative / Friend..... P</p> <p>Shop..... Q</p> <p>Traditional practitioner..... R</p> <p>Other (<i>specify</i>)..... X</p> | |
| <p>CA12. AT ANY TIME DURING THE ILLNESS, WAS (name) GIVEN ANY MEDICINE FOR THE ILLNESS?</p> | <p>Yes..... 1</p> <p>No..... 2</p> <p>DK..... 8</p> | <p>2⇒CA14</p> <p>8⇒CA14</p> |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------------|--|--------------------------|----|-------------------------------|----|-----------------------------|----|------------------------------|----|---|----|---------------------------------------|----|-------------------------------|--|--------------------------------|----|------------------------|----|---------------------------|----|--|----|--------------------------------------|----|---------------------|---|------------------------|----|-----------|----|-------------------------------|----|--------------------------|----|----------------------|----|
| <p>CA13. WHAT MEDICINE WAS (name) GIVEN?</p> <p><i>Probe:</i> ANY OTHER MEDICINE?</p> <p><i>Circle all medicines given. Write brand name(s) of all medicines mentioned.</i></p> <p>_____</p> <p style="text-align: center;">(Names of medicines)</p> | <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Anti-malaria:</td> </tr> <tr> <td>SP / Fansidar.....</td> <td style="text-align: right;">A</td> </tr> <tr> <td>Chloroquine.....</td> <td style="text-align: right;">B</td> </tr> <tr> <td>Amodiaquine.....</td> <td style="text-align: right;">C</td> </tr> <tr> <td>Quinine.....</td> <td style="text-align: right;">D</td> </tr> <tr> <td>Combination with Artemisinin (ACT).....</td> <td style="text-align: right;">E</td> </tr> <tr> <td>Other anti-malarial (specify)_____</td> <td style="text-align: right;">H</td> </tr> <tr> <td colspan="2">Antibiotics:</td> </tr> <tr> <td>Pill / Syrup.....</td> <td style="text-align: right;">I</td> </tr> <tr> <td>Injection.....</td> <td style="text-align: right;">J</td> </tr> <tr> <td colspan="2">Other medications:</td> </tr> <tr> <td>Paracetamol/ Panadol /Acetaminophen.....</td> <td style="text-align: right;">P</td> </tr> <tr> <td>Aspirin.....</td> <td style="text-align: right;">Q</td> </tr> <tr> <td>Ibuprofen.....</td> <td style="text-align: right;">R</td> </tr> <tr> <td>Other (specify)_____</td> <td style="text-align: right;">X</td> </tr> <tr> <td>DK.....</td> <td style="text-align: right;">Z</td> </tr> </table> | Anti-malaria: | | SP / Fansidar..... | A | Chloroquine..... | B | Amodiaquine..... | C | Quinine..... | D | Combination with Artemisinin (ACT)..... | E | Other anti-malarial (specify)_____ | H | Antibiotics: | | Pill / Syrup..... | I | Injection..... | J | Other medications: | | Paracetamol/ Panadol /Acetaminophen..... | P | Aspirin..... | Q | Ibuprofen..... | R | Other (specify)_____ | X | DK..... | Z | | | | | | |
| Anti-malaria: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SP / Fansidar..... | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chloroquine..... | B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amodiaquine..... | C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quinine..... | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Combination with Artemisinin (ACT)..... | E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other anti-malarial (specify)_____ | H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Antibiotics: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pill / Syrup..... | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Injection..... | J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other medications: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paracetamol/ Panadol /Acetaminophen..... | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aspirin..... | Q | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ibuprofen..... | R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other (specify)_____ | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DK..... | Z | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CA13A. Check CA13: Antibiotic mentioned (codes I or J)?</p> <p><input type="checkbox"/> Yes ⇒ Continue with CA13B.</p> <p><input type="checkbox"/> No ⇒ Go to CA13C.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CA13B. WHERE DID YOU GET THE (name of medicine from CA13)?</p> <p><i>Probe to identify the type of source.</i></p> <p><i>If unable to determine whether public or private, write the name of the place.</i></p> <p>_____</p> <p style="text-align: center;">(Name of place)</p> | <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Public sector</td> </tr> <tr> <td>Government hospital.....</td> <td style="text-align: right;">11</td> </tr> <tr> <td>Government health centre.....</td> <td style="text-align: right;">12</td> </tr> <tr> <td>Government health post.....</td> <td style="text-align: right;">13</td> </tr> <tr> <td>Community health worker.....</td> <td style="text-align: right;">14</td> </tr> <tr> <td>Mobile / Outreach clinic.....</td> <td style="text-align: right;">15</td> </tr> <tr> <td>Other public (specify)_____</td> <td style="text-align: right;">16</td> </tr> <tr> <td colspan="2">Private medical sector</td> </tr> <tr> <td>Private hospital / clinic.....</td> <td style="text-align: right;">21</td> </tr> <tr> <td>Private physician.....</td> <td style="text-align: right;">22</td> </tr> <tr> <td>Private pharmacy.....</td> <td style="text-align: right;">23</td> </tr> <tr> <td>Mobile clinic.....</td> <td style="text-align: right;">24</td> </tr> <tr> <td>Other private medical (specify)_____</td> <td style="text-align: right;">26</td> </tr> <tr> <td colspan="2">Other source</td> </tr> <tr> <td>Relative / Friend.....</td> <td style="text-align: right;">31</td> </tr> <tr> <td>Shop.....</td> <td style="text-align: right;">32</td> </tr> <tr> <td>Traditional practitioner.....</td> <td style="text-align: right;">33</td> </tr> <tr> <td>Already had at home.....</td> <td style="text-align: right;">40</td> </tr> <tr> <td>Other (specify)_____</td> <td style="text-align: right;">96</td> </tr> </table> | Public sector | | Government hospital..... | 11 | Government health centre..... | 12 | Government health post..... | 13 | Community health worker..... | 14 | Mobile / Outreach clinic..... | 15 | Other public (specify)_____ | 16 | Private medical sector | | Private hospital / clinic..... | 21 | Private physician..... | 22 | Private pharmacy..... | 23 | Mobile clinic..... | 24 | Other private medical (specify)_____ | 26 | Other source | | Relative / Friend..... | 31 | Shop..... | 32 | Traditional practitioner..... | 33 | Already had at home..... | 40 | Other (specify)_____ | 96 |
| Public sector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Government hospital..... | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Government health centre..... | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Government health post..... | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Community health worker..... | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobile / Outreach clinic..... | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other public (specify)_____ | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Private medical sector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Private hospital / clinic..... | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Private physician..... | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Private pharmacy..... | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobile clinic..... | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other private medical (specify)_____ | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other source | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relative / Friend..... | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shop..... | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Traditional practitioner..... | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Already had at home..... | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other (specify)_____ | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CA13C. Check CA13: Anti-malarial mentioned (codes A - H)?</p> <p><input type="checkbox"/> Yes ⇒ Continue with CA13D.</p> <p><input type="checkbox"/> No ⇒ Go to CA14.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CA13D. WHERE DID YOU GET THE (name of medicine from CA13)?</p> <p><i>Probe to identify the type of source.</i></p> <p><i>If unable to determine whether public or private, write the name of the place.</i></p> <p>_____</p> <p style="text-align: center;">(Name of place)</p> | <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Public sector</td> </tr> <tr> <td>Government hospital.....</td> <td style="text-align: right;">11</td> </tr> <tr> <td>Government health centre.....</td> <td style="text-align: right;">12</td> </tr> <tr> <td>Government health post.....</td> <td style="text-align: right;">13</td> </tr> <tr> <td>Community health worker.....</td> <td style="text-align: right;">14</td> </tr> <tr> <td>Mobile / Outreach clinic.....</td> <td style="text-align: right;">15</td> </tr> <tr> <td>Other public (specify)_____</td> <td style="text-align: right;">16</td> </tr> <tr> <td colspan="2">Private medical sector</td> </tr> <tr> <td>Private hospital / clinic.....</td> <td style="text-align: right;">21</td> </tr> <tr> <td>Private physician.....</td> <td style="text-align: right;">22</td> </tr> <tr> <td>Private pharmacy.....</td> <td style="text-align: right;">23</td> </tr> <tr> <td>Mobile clinic.....</td> <td style="text-align: right;">24</td> </tr> <tr> <td>Other private medical (specify)_____</td> <td style="text-align: right;">26</td> </tr> <tr> <td colspan="2">Other source</td> </tr> <tr> <td>Relative / Friend.....</td> <td style="text-align: right;">31</td> </tr> <tr> <td>Shop.....</td> <td style="text-align: right;">32</td> </tr> <tr> <td>Traditional practitioner.....</td> <td style="text-align: right;">33</td> </tr> <tr> <td>Already had at home.....</td> <td style="text-align: right;">40</td> </tr> <tr> <td>Other (specify)_____</td> <td style="text-align: right;">96</td> </tr> </table> | Public sector | | Government hospital..... | 11 | Government health centre..... | 12 | Government health post..... | 13 | Community health worker..... | 14 | Mobile / Outreach clinic..... | 15 | Other public (specify)_____ | 16 | Private medical sector | | Private hospital / clinic..... | 21 | Private physician..... | 22 | Private pharmacy..... | 23 | Mobile clinic..... | 24 | Other private medical (specify)_____ | 26 | Other source | | Relative / Friend..... | 31 | Shop..... | 32 | Traditional practitioner..... | 33 | Already had at home..... | 40 | Other (specify)_____ | 96 |
| Public sector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Government hospital..... | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Government health centre..... | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Government health post..... | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Community health worker..... | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobile / Outreach clinic..... | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other public (specify)_____ | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Private medical sector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Private hospital / clinic..... | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Private physician..... | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Private pharmacy..... | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobile clinic..... | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other private medical (specify)_____ | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other source | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relative / Friend..... | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shop..... | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Traditional practitioner..... | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Already had at home..... | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other (specify)_____ | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---|--|----|--|
| CA13E. HOW LONG AFTER THE FEVER STARTED DID (<i>name</i>) FIRST TAKE (<i>name of anti-malarial from CA13</i>)? | Same day | 0 | |
| | Next day | 1 | |
| | 2 days after the fever..... | 2 | |
| | 3 days after the fever..... | 3 | |
| | 4 or more days after the fever | 4 | |
| | DK..... | 8 | |
| CA14. Check AG2: Age of child. | | | |
| <input type="checkbox"/> Child age 0, 1 or 2 ⇒ Continue with CA15. | | | |
| <input type="checkbox"/> Child age 3 or 4 ⇒ Go to UF13. | | | |
| CA15. THE LAST TIME (<i>name</i>) PASSED STOOLS, WHAT WAS DONE TO DISPOSE OF THE STOOLS? | Child used toilet/latrine..... | 01 | |
| | Put / Rinsed into toilet or latrine..... | 02 | |
| | Put / Rinsed into drain or ditch | 03 | |
| | Thrown into garbage (solid waste)..... | 04 | |
| | Buried..... | 05 | |
| | Left in the open..... | 06 | |
| | Other (<i>specify</i>)..... | 96 | |
| DK..... | 98 | | |

| | | |
|-------------------------------|------------------------------|--|
| UF13. Record the time. | Hour and minutes ____ : ____ | |
|-------------------------------|------------------------------|--|

UF14. Check List of Household Members, columns HL7B and HL15.
Is the respondent the mother or caretaker of another child age 0-4 living in this household?

Yes ⇒ Indicate to the respondent that you will need to measure the weight and height of the child later. Go to the next QUESTIONNAIRE FOR CHILDREN UNDER FIVE to be administered to the same respondent.

No ⇒ End the interview with this respondent by thanking her/him for her/his cooperation and tell her/him that you will need to measure the weight and height of the child before you leave the household.

Check to see if there are other woman's, man's or under-5 questionnaires to be administered in this household.

| ANTHROPOMETRY | | AN |
|---|--|-------|
| <p>After questionnaires for all children are complete, the measurer weighs and measures each child. Record weight and length/height below, taking care to record the measurements on the correct questionnaire for each child. Check the child's name and line number in the List of Household Members before recording measurements.</p> | | |
| AN1. Measurer's name and number: | Name _____ | |
| AN2. Result of height/length and weight measurement: | Either or both measured..... 1 | |
| | Child not present..... 2 | 2⇒AN6 |
| | Child or mother/caretaker refused..... 3 | 3⇒AN6 |
| | Other (specify)_____ 6 | 6⇒AN6 |
| AN3. Child's weight: | Kilograms (kg)..... _ . _ | |
| | Weight not measured..... 99.9 | |
| AN3A. Was the child undressed to the minimum? | | |
| <input type="checkbox"/> Yes. <input type="checkbox"/> No, the child could not be undressed to the minimum. | | |
| AN3B. Check age of child in AG2: | | |
| <input type="checkbox"/> Child under 2 years old⇒ Measure length (lying down). <input type="checkbox"/> Child age 2 or more years ⇒ Measure height (standing up). | | |
| AN4. Child's length or height: | Length / Height (cm)..... _ . _ | |
| | Length/ Height not measured..... 999.9 | ⇒AN6 |
| AN4A. How was the child actually measured? Lying down or standing up? | Lying down..... 1 | |
| | Standing up..... 2 | |
| AN5. Check if (name) has a scar on the left arm or shoulder due to BCG vaccine | Has a BCG scar..... 1 | |
| | Does not have a BCG scar..... 2 | |
| | Not sure / could not verify..... 8 | |

| |
|--|
| AN6. Is there another child in the household who is eligible for measurement? |
| <input type="checkbox"/> Yes ⇒ Record measurements for next child. <input type="checkbox"/> No ⇒ Check if there are any other individual questionnaires to be completed in the household. |

Interviewer's Observations

Supervisor's Observations

Measurer's Observations

| MAN'S INFORMATION PANEL | | MWM |
|--|---|------------|
| <i>This questionnaire is to be administered to all men age 15 through 49 (see List of Household Members, column HL7A). A separate questionnaire should be used for each eligible man.</i> | | |
| MWM1. Cluster number: _____ | MWM2. Household number: _____ | |
| MWM3. Man's name: Name _____ | MWM4. Man's line number: _____ | |
| MWM5. Interviewer's name and number: Name _____ | MWM6. Day / Month / Year of interview: ____ / ____ / 2016 | |

| | |
|---|---|
| <p><i>REPEAT GREETING IF NOT ALREADY READ TO THIS MAN:</i></p> <p>WE ARE FROM THE NATIONAL BUREAU OF STATISTICS. WE ARE CONDUCTING A SURVEY ABOUT THE SITUATION OF CHILDREN, FAMILIES AND HOUSEHOLDS. I WOULD LIKE TO TALK TO YOU ABOUT THESE SUBJECTS. THE INTERVIEW WILL TAKE ABOUT 25 MINUTES. ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND ANONYMOUS.</p> | <p><i>IF GREETING AT THE BEGINNING OF THE HOUSEHOLD QUESTIONNAIRE HAS ALREADY BEEN READ TO THIS MAN, THEN READ THE FOLLOWING:</i></p> <p>NOW I WOULD LIKE TO TALK TO YOU MORE ABOUT YOUR HEALTH AND OTHER TOPICS. THIS INTERVIEW WILL TAKE ABOUT 25 MINUTES. AGAIN, ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND ANONYMOUS.</p> |
| <p>MAY I START NOW?</p> <p><input type="checkbox"/> <i>YES, PERMISSION IS GIVEN ⇒ GO TO MWM10 TO RECORD THE TIME AND THEN BEGIN THE INTERVIEW.</i></p> <p><input type="checkbox"/> <i>NO, PERMISSION IS NOT GIVEN ⇒ CIRCLE "03" IN MWM7. DISCUSS THIS RESULT WITH YOUR SUPERVISOR.</i></p> | |

| | |
|--|--|
| MWM7. Result of man's interview | Completed.....01 Not at home02 Refused.....03 Partly completed04 Incapacitated.....05 Other (<i>specify</i>) _____ 96 |
|--|--|

| | |
|--|--|
| MWM8. Field supervisor's name and number: Name _____ | |
|--|--|

| | | |
|--------------------------------------|----------------------------|--|
| MWM10. RECORD THE START TIME. | Hour and minutes..... : .. | |
|--------------------------------------|----------------------------|--|

| MAN'S BACKGROUND | | MWB |
|--|---|------------|
| MWB1. IN WHAT MONTH AND YEAR WERE YOU BORN? | Date of birth Month..... DK month..... 98 Year DK year.....9998 | |
| MWB2. HOW OLD ARE YOU? <i>PROBE: HOW OLD WERE YOU AT YOUR LAST BIRTHDAY? COMPARE AND CORRECT MWB1 AND /OR MWB2 IF INCONSISTENT.</i> | Age (in completed years) | |
| MWB3. HAVE YOU EVER ATTENDED SCHOOL, PRESCHOOL OR NON-FORMAL EDUCATION? | Yes 1 No 2 | 2⇒MWB7 |
| MWB4. WHAT IS THE HIGHEST LEVEL OF SCHOOL YOU ATTENDED? | Preschool..... 0 Primary 1 Secondary 2 Higher 3 Non-formal..... 4 | 4⇒MWB7 |
| MWB5. WHAT IS THE HIGHEST GRADE YOU COMPLETED AT THAT LEVEL? | Grade | |
| MWB6. Check MWB4: <input type="checkbox"/> Secondary or higher (MWB4 = 2 or 3)⇒ Go to Next Module. <input type="checkbox"/> Preschool or primary (MWB4 =0 or 1)⇒ Continue with MWB7. | | |
| MWB7. NOW I WOULD LIKE YOU TO READ THIS SENTENCE TO ME. <i>Show sentence on the card to the respondent. If respondent cannot read whole sentence, probe: CAN YOU READ PART OF THE SENTENCE TO ME?</i> | Cannot read at all..... 1 Able to read only parts of sentence 2 Able to read whole sentence 3 No sentence in required language 4 <i>(specify language)</i> Blind/visually impaired 5 | |

| Codes for Grades in MWB5. | | | |
|----------------------------------|------------------------------------|---|--|
| Preschool | Primary | Secondary or (Secondary Technical) | Higher |
| Never completed Nursery1. 00 | Never completed Primary 1 10 | Never completed JSS 1 20 | Never completed NCE, AL, OND, Technical, HND1, BSc30 |
| Nursery 101 | Primary 1 11 | JSS 1 21 | NCE31 |
| Nursery 202 | Primary 2 12 | JSS 2 22 | AL/OND32 |
| Nursery 303 | Primary 3 13 | JSS 3 23 | Higher Technical/TTC33 |
| | Primary 4 14 | SS 1/T1 24 | HND34 |
| | Primary 5 15 | SS 2 /T2 25 | BSc35 |
| | Primary 6 16 | SS 3/ T3 26 | Post Graduate36 |

MMT1. Check MWB7:

- Question left blank (Respondent has secondary or higher education) ⇒ Continue with MMT2.
- Able to read or no sentence in required language (MWB7 = 2, 3 or 4) ⇒ Continue with MMT2.
- Cannot read at all or blind/visually impaired (MWB7 = 1 or 5) ⇒ Go to MMT3.

| | | |
|--|---|--|
| MMT2. HOW OFTEN DO YOU READ A NEWSPAPER OR MAGAZINE: ALMOST EVERY DAY, AT LEAST ONCE A WEEK, LESS THAN ONCE A WEEK OR NOT AT ALL? | Almost every day 1 At least once a week 2 Less than once a week 3 Not at all 4 | |
|--|---|--|

| | | |
|--|---|--|
| MMT3. DO YOU LISTEN TO THE RADIO ALMOST EVERY DAY, AT LEAST ONCE A WEEK, LESS THAN ONCE A WEEK OR NOT AT ALL? | Almost every day 1 At least once a week 2 Less than once a week 3 Not at all 4 | |
|--|---|--|

| | | |
|---|---|--|
| MMT4. HOW OFTEN DO YOU WATCH TELEVISION: WOULD YOU SAY THAT YOU WATCH ALMOST EVERY DAY, AT LEAST ONCE A WEEK, LESS THAN ONCE A WEEK OR NOT AT ALL? | Almost every day 1 At least once a week 2 Less than once a week 3 Not at all 4 | |
|---|---|--|

MMT5. Check MWB2: Age of respondent?

- Age 15-24 ⇒ Continue with MMT6.
- Age 25-49 ⇒ Go to Next Module.

| | | |
|---|---------------------------|----------|
| MMT6. HAVE YOU EVER USED A COMPUTER? | Yes 1 No 2 | 2 ⇒ MMT9 |
|---|---------------------------|----------|

| | | |
|--|---------------------------|----------|
| MMT7. HAVE YOU USED A COMPUTER FROM ANY LOCATION IN THE LAST 12 MONTHS? | Yes 1 No 2 | 2 ⇒ MMT9 |
|--|---------------------------|----------|

| | | |
|--|---|--|
| MMT8. DURING THE LAST ONE MONTH, HOW OFTEN DID YOU USE A COMPUTER: ALMOST EVERY DAY, AT LEAST ONCE A WEEK, LESS THAN ONCE A WEEK OR NOT AT ALL? | Almost every day 1 At least once a week 2 Less than once a week 3 Not at all 4 | |
|--|---|--|

| | | |
|---|---------------------------|-----------------|
| MMT9. HAVE YOU EVER USED THE INTERNET? | Yes 1 No 2 | 2 ⇒ NEXT MODULE |
|---|---------------------------|-----------------|

| | | |
|--|---------------------------|-----------------|
| MMT10. IN THE LAST 12 MONTHS, HAVE YOU USED THE INTERNET? <i>IF NECESSARY, PROBE FOR USE FROM ANY LOCATION, WITH ANY DEVICE.</i> | Yes 1 No 2 | 2 ⇒ NEXT MODULE |
|--|---------------------------|-----------------|

| | | |
|---|---|--|
| MMT11. DURING THE LAST ONE MONTH, HOW OFTEN DID YOU USE THE INTERNET: ALMOST EVERY DAY, AT LEAST ONCE A WEEK, LESS THAN ONCE A WEEK OR NOT AT ALL? | Almost every day 1 At least once a week 2 Less than once a week 3 Not at all 4 | |
|---|---|--|

| FERTILITY | | MCM |
|--|---|------------------|
| <p>MCM1. NOW I WOULD LIKE TO ASK ABOUT ALL THE CHILDREN YOU HAVE HAD IN YOUR LIFE. I AM INTERESTED IN ALL OF THE CHILDREN THAT ARE BIOLOGICALLY YOURS, EVEN IF THEY ARE NOT LEGALLY YOURS OR DO NOT HAVE YOUR LAST NAME.</p> <p>HAVE YOU EVER FATHERED ANY CHILDREN WITH ANY WOMAN?</p> | Yes 1 No 2 DK 8 | 2⇒MCM8 8⇒MCM8 |
| <p>MCM3. HOW OLD WERE YOU WHEN YOUR FIRST CHILD WAS BORN?</p> | Age in years __ __ | |
| <p>MCM4. DO YOU HAVE ANY SONS OR DAUGHTERS THAT YOU HAVE FATHERED WHO ARE NOW LIVING WITH YOU?</p> | Yes 1 No 2 | 2⇒MCM6 |
| <p>MCM5. HOW MANY SONS LIVE WITH YOU?</p> <p>HOW MANY DAUGHTERS LIVE WITH YOU?</p> <p><i>IF NONE, RECORD "00".</i></p> | Sons at home __ __ Daughters at home __ __ | |
| <p>MCM6. DO YOU HAVE ANY SONS OR DAUGHTERS THAT YOU HAVE FATHERED WHO ARE ALIVE BUT DO NOT LIVE WITH YOU?</p> | Yes 1 No 2 | 2⇒MCM8 |
| <p>MCM7. HOW MANY SONS ARE ALIVE BUT DO NOT LIVE WITH YOU?</p> <p>HOW MANY DAUGHTERS ARE ALIVE BUT DO NOT LIVE WITH YOU?</p> <p><i>IF NONE, RECORD '00'.</i></p> | Sons elsewhere __ __ Daughters elsewhere __ __ | |
| <p>MCM8. HAVE YOU EVER FATHERED A SON OR DAUGHTER WHO WAS BORN ALIVE BUT LATER DIED?</p> <p><i>If "No" probe by asking: I MEAN, A CHILD WHO EVER BREATHED OR CRIED OR SHOWED OTHER SIGNS OF LIFE – EVEN IF HE OR SHE LIVED ONLY A FEW MINUTES OR HOURS?</i></p> | Yes 1 No 2 | 2⇒MCM10 |
| <p>MCM9. HOW MANY BOYS HAVE DIED?</p> <p>HOW MANY GIRLS HAVE DIED?</p> <p><i>IF NONE, RECORD '00'.</i></p> | Boys dead __ __ Girls dead __ __ | |
| <p>MCM10. <i>Sum answers to MCM5, MCM7, and MCM9.</i></p> | Sum __ __ | |

MCM11. JUST TO MAKE SURE THAT I HAVE THIS RIGHT, YOU HAVE FATHERED IN TOTAL (*TOTAL NUMBER IN MCM10*) LIVE BIRTHS DURING YOUR LIFE. IS THIS CORRECT?

Yes. Check below:

No live births ⇒ Go to Next Module.

One or more live births ⇒ Continue with MCM11A.

No ⇒ Check responses to MCM1-MCM10 and make corrections as necessary.

| | | |
|--|---|----------------|
| <p>MCM11A. DID ALL THE CHILDREN YOU HAVE FATHERED HAVE THE SAME BIOLOGICAL MOTHER?</p> | <p>Yes 1 No 2</p> | <p>1⇒MCM12</p> |
| <p>MCM11B. IN ALL, HOW MANY WOMEN HAVE YOU FATHERED CHILDREN WITH?</p> | <p>Number of women..... _ _</p> | |
| <p>MCM12. OF THESE (<i>TOTAL NUMBER IN MCM10</i>) BIRTHS YOU HAVE FATHERED, WHEN WAS THE LAST ONE BORN (EVEN IF HE OR SHE HAS DIED)?</p> <p><i>Month and year must be recorded.</i></p> | <p>Date of last birth</p> <p>Month..... _ _</p> <p>Year _ _ _ _</p> | |

| ATTITUDES TOWARD DOMESTIC VIOLENCE | | MDV | | |
|---|--------------------------------|-----|----|----|
| <p>MDV1. SOMETIMES A HUSBAND IS ANNOYED OR ANGERED BY THINGS THAT HIS WIFE DOES. IN YOUR OPINION, IS A HUSBAND JUSTIFIED IN HITTING OR BEATING HIS WIFE IN THE FOLLOWING SITUATIONS:</p> | | | | |
| | | Yes | No | DK |
| [A] IF SHE GOES OUT WITHOUT TELLING HIM? | Goes out without telling | 1 | 2 | 8 |
| [B] IF SHE NEGLECTS THE CHILDREN? | Neglects children..... | 1 | 2 | 8 |
| [C] IF SHE ARGUES WITH HIM? | Argues with him..... | 1 | 2 | 8 |
| [D] IF SHE REFUSES TO HAVE SEX WITH HIM? | Refuses sex | 1 | 2 | 8 |
| [E] IF SHE BURNS THE FOOD? | Burns food..... | 1 | 2 | 8 |

| MARRIAGE/UNION | | MMA |
|---|---|----------------------|
| MMA1. ARE YOU CURRENTLY MARRIED OR LIVING TOGETHER WITH A WOMAN AS IF MARRIED? | Yes, currently married..... 1 Yes, living with a woman..... 2 No, not in union..... 3 | 3⇒MMA5 |
| MMA3. DO YOU HAVE OTHER WIVES OR DO YOU LIVE WITH OTHER WOMEN AS IF MARRIED? | Yes (More than one) 1 No (Only one) 2 | 2⇒MMA7 |
| MMA4. HOW MANY OTHER WIVES OR LIVE-IN PARTNERS DO YOU HAVE? | Number..... _ _ | ⇒MMA8B |
| MMA5. HAVE YOU EVER BEEN MARRIED OR LIVED TOGETHER WITH A WOMAN AS IF MARRIED? | Yes, formerly married..... 1 Yes, formerly lived with a woman 2 No..... 3 | 3⇒NEXT MODULE |
| MMA6. WHAT IS YOUR MARITAL STATUS NOW: ARE YOU WIDOWED, DIVORCED OR SEPARATED? | Widowed..... 1 Divorced 2 Separated 3 | |
| MMA7. HAVE YOU BEEN MARRIED OR LIVED WITH A WOMAN ONLY ONCE OR MORE THAN ONCE? | Only once 1 More than once..... 2 | 1 ⇒MMA8A 2 ⇒MMA8B |
| MMA8A. IN WHAT MONTH AND YEAR DID YOU MARRY OR START LIVING WITH A WOMAN AS IF MARRIED? MMA8B. IN WHAT MONTH AND YEAR DID YOU <u>FIRST</u> MARRY OR START LIVING WITH A WOMAN AS IF MARRIED? | Date of (first) marriage Month..... _ _ DK month 98 Year _ _ _ _ DK year 9998 | ⇒NEXT MODULE |
| MMA9. HOW OLD WERE YOU WHEN YOU FIRST STARTED LIVING WITH YOUR (FIRST) WIFE/PARTNER? | Age in years..... _ _ | |

SEXUAL BEHAVIOUR

MSB

CHECK FOR THE PRESENCE OF OTHERS. BEFORE CONTINUING, ENSURE PRIVACY.

| | | |
|---|---|-----------------------|
| <p>MSB1. NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT SEXUAL ACTIVITY IN ORDER TO GAIN A BETTER UNDERSTANDING OF SOME IMPORTANT LIFE ISSUES.</p> <p>THE INFORMATION YOU SUPPLY WILL REMAIN STRICTLY CONFIDENTIAL.</p> <p>HOW OLD WERE YOU WHEN YOU HAD SEXUAL INTERCOURSE FOR THE VERY FIRST TIME?</p> | <p>Never had intercourse 00</p> <p>Age in years __ __</p> <p>First time when started living with (first) wife/partner.. 95</p> | <p>00⇒NEXT MODULE</p> |
| <p>MSB2. THE FIRST TIME YOU HAD SEXUAL INTERCOURSE, WAS A CONDOM USED?</p> | <p>Yes 1</p> <p>No 2</p> <p>DK / Don't remember..... 8</p> | |
| <p>MSB3. WHEN WAS THE LAST TIME YOU HAD SEXUAL INTERCOURSE?</p> <p><i>Record answers in days, weeks or months if less than 12 months (one year). If more than 12 months (one year), answer must be recorded in years.</i></p> | <p>Days ago..... 1 __ __</p> <p>Weeks ago 2 __ __</p> <p>Months ago 3 __ __</p> <p>Years ago 4 __ __</p> | <p>4⇒MSB15</p> |
| <p>MSB4. THE LAST TIME YOU HAD SEXUAL INTERCOURSE, WAS A CONDOM USED?</p> | <p>Yes 1</p> <p>No 2</p> | |
| <p>MSB5. WHAT WAS YOUR RELATIONSHIP TO THIS PERSON WITH WHOM YOU LAST HAD SEXUAL INTERCOURSE?</p> <p><i>PROBE TO ENSURE THAT THE RESPONSE REFERS TO THE RELATIONSHIP AT THE TIME OF SEXUAL INTERCOURSE</i></p> <p><i>If 'girlfriend', then ask: WERE YOU LIVING TOGETHER AS IF MARRIED? If "yes", circle "2". If "no", circle "3".</i></p> | <p>Wife 1</p> <p>Cohabiting partner..... 2</p> <p>Girlfriend 3</p> <p>Casual acquaintance..... 4</p> <p>Prostitute..... 5</p> <p>Other (specify)..... 6</p> | |
| <p>MSB8. HAVE YOU HAD SEXUAL INTERCOURSE WITH ANY OTHER PERSON IN THE LAST 12 MONTHS?</p> | <p>Yes 1</p> <p>No 2</p> | <p>2⇒MSB15</p> |
| <p>MSB9. THE LAST TIME YOU HAD SEXUAL INTERCOURSE WITH THIS OTHER PERSON, WAS A CONDOM USED?</p> | <p>Yes 1</p> <p>No 2</p> | |
| <p>MSB10. WHAT WAS YOUR RELATIONSHIP TO THIS PERSON?</p> <p><i>PROBE TO ENSURE THAT THE RESPONSE REFERS TO THE RELATIONSHIP AT THE TIME OF SEXUAL INTERCOURSE</i></p> <p><i>If 'girlfriend' then ask: WERE YOU LIVING TOGETHER AS IF MARRIED? If "yes", circle "2". If "no", circle "3".</i></p> | <p>Wife 1</p> <p>Cohabiting partner..... 2</p> <p>Girlfriend 3</p> <p>Casual acquaintance..... 4</p> <p>Prostitute..... 5</p> <p>Other (specify)..... 6</p> | |
| <p>MSB13. OTHER THAN THESE TWO PERSONS, HAVE YOU HAD SEXUAL INTERCOURSE WITH ANY OTHER PERSON IN THE LAST 12 MONTHS?</p> | <p>Yes 1</p> <p>No 2</p> | <p>2⇒MSB15</p> |
| <p>MSB14. IN TOTAL, WITH HOW MANY DIFFERENT PEOPLE HAVE YOU HAD SEXUAL INTERCOURSE IN THE LAST 12 MONTHS?</p> | <p>Number of partners __ __</p> | |
| <p>MSB14A. FOR ALL THE SEXUAL INTERCOURSE WITH NON-MARITAL PARTNERS IN THE LAST 12 MONTHS WAS A CONDOM USED, EVERY TIME, SOMETIMES OR NEVER?</p> | <p>Every time..... 1</p> <p>Sometimes..... 2</p> <p>Never 3</p> <p>DK/ Not sure/Don' remember..... 8</p> | |
| <p>MSB15. IN TOTAL, WITH HOW MANY DIFFERENT PEOPLE HAVE YOU HAD SEXUAL INTERCOURSE IN YOUR LIFETIME? <i>If a non-numeric answer is given, probe to get an estimate. If number of partners is 95 or more, write '95'.</i></p> | <p>Number of lifetime partners __ __</p> <p>DK..... 98</p> | |

| HIV/AIDS | | MHA | | | | | | | | | | | | | | | | |
|---|---|---|-----|----|----|-----------------------|---|---|---|-----------------------|---|---|---|-----------------------|---|---|---|--|
| MHA1. NOW I WOULD LIKE TO TALK WITH YOU ABOUT SOMETHING ELSE. HAVE YOU EVER HEARD OF AN ILLNESS CALLED AIDS? | Yes 1 No 2 | 2⇒ NEXT MODULE | | | | | | | | | | | | | | | | |
| MHA2. CAN PEOPLE REDUCE THEIR CHANCE OF GETTING THE AIDS VIRUS BY HAVING JUST ONE UNINFECTED SEX PARTNER WHO HAS NO OTHER SEX PARTNERS? | Yes 1 No 2 DK 8 | | | | | | | | | | | | | | | | | |
| MHA3. CAN PEOPLE GET THE AIDS VIRUS BECAUSE OF WITCHCRAFT OR OTHER SUPERNATURAL MEANS? | Yes 1 No 2 DK 8 | | | | | | | | | | | | | | | | | |
| MHA4. CAN PEOPLE REDUCE THEIR CHANCE OF GETTING THE AIDS VIRUS BY USING A CONDOM EVERY TIME THEY HAVE SEX? | Yes 1 No 2 DK 8 | | | | | | | | | | | | | | | | | |
| MHA5. CAN PEOPLE GET THE AIDS VIRUS FROM MOSQUITO BITES? | Yes 1 No 2 DK 8 | | | | | | | | | | | | | | | | | |
| MHA6. CAN PEOPLE GET THE AIDS VIRUS BY SHARING FOOD WITH A PERSON WHO HAS THE AIDS VIRUS? | Yes 1 No 2 DK 8 | | | | | | | | | | | | | | | | | |
| MHA7. IS IT POSSIBLE FOR A HEALTHY-LOOKING PERSON TO HAVE THE AIDS VIRUS? | Yes 1 No 2 DK 8 | | | | | | | | | | | | | | | | | |
| MHA8. CAN THE VIRUS THAT CAUSES AIDS BE TRANSMITTED FROM A MOTHER TO HER BABY: [A] DURING PREGNANCY? [B] DURING DELIVERY? [C] BY BREASTFEEDING? | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Yes</th> <th style="text-align: center;">No</th> <th style="text-align: center;">DK</th> </tr> </thead> <tbody> <tr> <td>During pregnancy.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>During delivery</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>By breastfeeding.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> </tbody> </table> | | Yes | No | DK | During pregnancy..... | 1 | 2 | 8 | During delivery | 1 | 2 | 8 | By breastfeeding..... | 1 | 2 | 8 | |
| | Yes | No | DK | | | | | | | | | | | | | | | |
| During pregnancy..... | 1 | 2 | 8 | | | | | | | | | | | | | | | |
| During delivery | 1 | 2 | 8 | | | | | | | | | | | | | | | |
| By breastfeeding..... | 1 | 2 | 8 | | | | | | | | | | | | | | | |
| MHA8A. Check MHA8[A], [B], and [C]: <input type="checkbox"/> All 'No' or 'DK' ⇒ Go to MHA9. <input type="checkbox"/> AT LEAST ONE 'YES' ⇒ CONTINUE WITH MHA8D. | | | | | | | | | | | | | | | | | | |
| MHA8D. ARE THERE ANY SPECIAL DRUGS THAT A DOCTOR OR A NURSE CAN GIVE TO A WOMAN INFECTED WITH THE AIDS VIRUS TO REDUCE THE RISK OF TRANSMISSION TO THE BABY? | Yes 1 No 2 DK 8 | | | | | | | | | | | | | | | | | |
| MHA9. IN YOUR OPINION, IF A FEMALE TEACHER HAS THE AIDS VIRUS BUT IS NOT SICK, SHOULD SHE BE ALLOWED TO CONTINUE TEACHING IN SCHOOL? | Yes 1 No 2 DK/Not sure/Depends 8 | | | | | | | | | | | | | | | | | |
| MHA10. WOULD YOU BUY FRESH VEGETABLES FROM A SHOPKEEPER OR VENDOR IF YOU KNEW THAT THIS PERSON HAD THE AIDS VIRUS? | Yes 1 No 2 DK/Not sure/Depends 8 | | | | | | | | | | | | | | | | | |
| MHA11. IF A MEMBER OF YOUR FAMILY GOT INFECTED WITH THE AIDS VIRUS, WOULD YOU WANT IT TO REMAIN A SECRET? | Yes 1 No 2 DK/Not sure/Depends 8 | | | | | | | | | | | | | | | | | |
| MHA12. IF A MEMBER OF YOUR FAMILY BECAME SICK WITH AIDS, WOULD YOU BE WILLING TO CARE FOR HER OR HIM IN YOUR OWN HOUSEHOLD? | Yes 1 No 2 DK/Not sure/Depends 8 | | | | | | | | | | | | | | | | | |
| MHA12A. DO YOU THINK CHILDREN WITH THE AIDS VIRUS SHOULD BE ALLOWED TO ATTEND ANY SCHOOL? | Yes 1 No 2 DK/Not sure/Depends 8 | | | | | | | | | | | | | | | | | |
| MHA24. I DON'T WANT TO KNOW THE RESULTS, BUT HAVE YOU EVER BEEN TESTED TO SEE IF YOU HAVE THE AIDS VIRUS? | Yes 1 No 2 | 2⇒MHA27 | | | | | | | | | | | | | | | | |
| MHA25. WHEN WAS THE MOST RECENT TIME YOU WERE TESTED? | Less than 12 months ago 1 12-23 months ago 2 2 or more years ago 3 | | | | | | | | | | | | | | | | | |
| MHA26. I DON'T WANT TO KNOW THE RESULTS, BUT DID YOU GET THE RESULTS OF THE TEST? | Yes 1 No 2 DK 8 | 1⇒NEXT MODULE 2⇒NEXT MODULE 8⇒NEXT MODULE | | | | | | | | | | | | | | | | |
| MHA27. DO YOU KNOW OF A PLACE WHERE PEOPLE CAN GO TO GET TESTED FOR THE AIDS VIRUS? | Yes 1 No 2 | | | | | | | | | | | | | | | | | |

| CIRCUMCISION | | MMC |
|---|---|------------------|
| MMC1. SOME MEN ARE CIRCUMCISED, THAT IS, THE FORESKIN IS COMPLETELY REMOVED FROM THE PENIS. ARE YOU CIRCUMCISED? | Yes 1 No 2 | 2⇒NEXT MODULE |
| MMC2. HOW OLD WERE YOU WHEN YOU GOT CIRCUMCISED? | Age in completed years..... ____ DK 98 | |
| MMC3. WHO DID THE CIRCUMCISION? | Health professional Doctor 11 Nurse/Midwife 12 Other health professional (<i>specify</i>) 16 Traditional persons Traditional 'circumciser' 21 Traditional birth attendant..... 22 Other traditional (<i>specify</i>) 26 DK 98 | |
| MMC4. WHERE WAS IT DONE? | Health facility..... 1 Home of a health worker/professional 2 Circumcision done at home 3 Ritual site 4 Other home/place (<i>specify</i>) 6 DK 8 | |

| TOBACCO AND ALCOHOL USE | | TA |
|---|---|---------|
| MTA1. HAVE YOU EVER TRIED CIGARETTE SMOKING, EVEN ONE OR TWO PUFFS? | Yes 1 No 2 | 2⇒MTA6 |
| MTA2. HOW OLD WERE YOU WHEN YOU SMOKED A WHOLE CIGARETTE FOR THE FIRST TIME? | Never smoked a whole cigarette 00 Age ____ | 00⇒MTA6 |
| MTA2A. AT ANY TIME IN YOUR LIFE, HAVE YOU EVER SMOKED CIGARETTES ON A <u>DAILY</u> BASIS? | Yes, daily 1 No, less than daily 2 | |
| MTA3. DO YOU CURRENTLY SMOKE CIGARETTES? | Yes 1 No 2 | 2⇒MTA6 |
| MTA4. IN THE <u>LAST 24 HOURS</u> , HOW MANY CIGARETTES DID YOU SMOKE? | Number of cigarettes ____ | |
| MTA4A. HOW MANY CIGARETTES DO YOU CURRENTLY SMOKE <u>PER WEEK ON AVERAGE</u> ? <i>PROBE: HOW MANY HAND-ROLLED CIGARETTES AND HOW MANY MANUFACTURED CIGARETTES?</i> <i>IF NONE WRITE "000".</i> <i>IF "NOT EVERY WEEK" WRITE "666".</i> | Hand-rolled cigarettes ____ Manufactured cigarettes ____ | |
| MTA5. DURING THE LAST ONE MONTH, ON <u>HOW MANY DAYS</u> DID YOU SMOKE CIGARETTES? <i>IF LESS THAN 10 DAYS, RECORD THE NUMBER OF DAYS.</i> <i>IF 10 DAYS OR MORE BUT LESS THAN A MONTH, CIRCLE "10".</i> <i>IF "EVERY DAY" OR "ALMOST EVERY DAY", CIRCLE "30".</i> | Number of days 0 ____ 10 days or more but less than a month 10 Every day / Almost every day 30 | |
| MTA6. HAVE YOU EVER TRIED ANY SMOKED TOBACCO PRODUCTS OTHER THAN CIGARETTES, SUCH AS CIGARS, WATER PIPE/SHISHA, CIGARILLOS OR PIPE? | Yes 1 No 2 | 2⇒MTA10 |
| MTA6A. AT ANY TIME IN YOUR LIFE, HAVE YOU EVER USED SMOKED TOBACCO PRODUCTS ON A <u>DAILY</u> BASIS? | Yes, daily 1 No, less than daily 2 | |
| MTA7. DURING THE LAST ONE MONTH, DID YOU USE ANY SMOKED TOBACCO PRODUCTS? | Yes 1 No 2 | 2⇒MTA10 |
| MTA8. WHAT TYPE OF SMOKED TOBACCO PRODUCT DID YOU USE OR SMOKE DURING THE LAST ONE MONTH? <i>CIRCLE ALL MENTIONED.</i> | Cigars A Water pipe/shisha B Cigarillos C Pipe D Other (<i>specify</i>) X | |
| MTA8A. HOW MANY (<i>PRODUCTS CIRCLED IN MTA8</i>) DO YOU CURRENTLY SMOKE <u>PER WEEK ON AVERAGE</u> ? <i>IF NONE WRITE "000".</i> <i>IF "NOT EVERY WEEK" WRITE "666".</i> | Cigars ____ Pipes full of tobacco ____ Cigarillos ____ Water pipe/shisha sessions ____ Other ____ | |
| MTA9. DURING THE LAST ONE MONTH, ON <u>HOW MANY DAYS</u> DID YOU USE SMOKED TOBACCO PRODUCTS? <i>IF LESS THAN 10 DAYS, RECORD THE NUMBER OF DAYS.</i> <i>IF 10 DAYS OR MORE BUT LESS THAN A MONTH, CIRCLE "10".</i> <i>IF "EVERY DAY" OR "ALMOST EVERY DAY", CIRCLE "30".</i> | Number of days 0 ____ 10 days or more but less than a month 10 Every day / Almost every day 30 | |

| | | |
|---|---|--------------------------|
| MTA10. HAVE YOU EVER TRIED ANY FORM OF SMOKELESS TOBACCO PRODUCTS, SUCH AS CHEWING TOBACCO, SNUFF, OR DIP? | Yes 1 No..... 2 | 2⇒MTA13A |
| MTA10A. AT ANY TIME IN YOUR LIFE, HAVE YOU EVER USED SMOKELESS TOBACCO PRODUCTS ON A <u>DAILY</u> BASIS? | Yes, daily 1 No, less than daily..... 2 | |
| MTA11. DURING THE LAST ONE MONTH, DID YOU USE ANY SMOKELESS TOBACCO PRODUCTS? | Yes 1 No..... 2 | 2⇒MTA13A |
| MTA12. WHAT TYPE OF SMOKELESS TOBACCO PRODUCT DID YOU USE DURING THE LAST ONE MONTH? <i>CIRCLE ALL MENTIONED.</i> | Chewing tobacco A Snuff B Dip C Other (<i>specify</i>) X | |
| MTA13. DURING THE LAST ONE MONTH, ON <u>HOW MANY DAYS</u> DID YOU USE SMOKELESS TOBACCO PRODUCTS? <i>IF LESS THAN 10 DAYS, RECORD THE NUMBER OF DAYS. IF 10 DAYS OR MORE BUT LESS THAN A MONTH, CIRCLE "10". IF "EVERY DAY" OR "ALMOST EVERY DAY", CIRCLE "30".</i> | Number of days..... 0 ____ 10 days or more but less than a month 10 Every day / Almost every day 30 | |
| MTA13A. HOW OFTEN DOES ANYONE SMOKE INSIDE YOUR HOME? WOULD YOU SAY DAILY, WEEKLY, MONTHLY, LESS THAN MONTHLY, OR NEVER? | Daily..... 1 Weekly..... 2 Monthly 3 Less than monthly..... 4 Never 5 DK 8 | |
| MTA13B. DO YOU CURRENTLY WORK OUTSIDE OF YOUR HOME? | Yes 1 No / don't work..... 2 | 2⇒MTA13E |
| MTA13C. DO YOU USUALLY WORK INDOORS OR OUTDOORS? | Indoors..... 1 Outdoors 2 Both 3 | 2⇒MTA13E |
| MTA13D. DURING THE LAST ONE MONTH, DID ANYONE SMOKE INDOOR AREAS WHERE YOU WORK? | Yes 1 No..... 2 DK 8 | |
| MTA13E. Check MTA3 and MTA7: Current tobacco smoker? <input type="checkbox"/> Yes, current tobacco smoker (MTA3 = 1 or MTA7 = 1) ⇒ Continue with MTA13F. <input type="checkbox"/> No, does not currently smoke tobacco (MTA3 = 2 and MTA7 = 2) ⇒ Go to MTA13O. | | |
| MTA13F. DURING THE LAST 12 MONTHS, HAVE YOU TRIED TO STOP SMOKING? | Yes 1 No..... 2 | |
| MTA13G. DURING THE LAST 12 MONTHS, HAVE YOU VISITED A DOCTOR OR OTHER HEALTH CARE PROVIDER? | Yes 1 No..... 2 | 2⇒MTA13K |
| MTA13H. DURING ANY VISIT TO A DOCTOR OR HEALTH CARE PROVIDER IN THE LAST 12 MONTHS, WERE YOU ADVISED TO QUIT SMOKING TOBACCO? | Yes 1 No..... 2 | |
| MTA13I. DURING THE LAST ONE MONTH, DID YOU NOTICE ANY HEALTH WARNINGS ON CIGARETTE PACKAGES? | Yes 1 No..... 2 Did not see any cigarette packages..... 6 | 2⇒MTA13K 6⇒MTA13K |
| MTA13J. DURING THE LAST ONE MONTH, HAVE WARNING LABELS ON CIGARETTE PACKAGES LED YOU TO THINK ABOUT QUITTING? | Yes 1 No..... 2 | |

| MTA13K. Check MTA4A: Current smoker of <u>manufactured</u> cigarettes? <input type="checkbox"/> Yes ⇒ Continue with MTA13L. <input type="checkbox"/> No ⇒ Go to MTA13O. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|-----|----|----|---------------------------------|------------------------------------|---|---|--------------------------------|-----------------------------------|---|---|-----------------------------|--------------------------------|---|---|---|--|---|---|--|------------------------------------|---|---|---------------------------------------|----------------------------|---|---|---|----------------------------------|---|---|--|
| MTA13L. THE LAST TIME YOU BOUGHT CIGARETTES FOR YOURSELF, HOW MANY CIGARETTES DID YOU BUY? | Cigarettes 1 ___ ___ Packs 2 ___ ___ Cartoons 3 ___ ___ Other (<i>specify</i>) 4 ___ ___ Never bought cigarettes for himself 996 | 1 ⇒ MTA13N 996 ⇒ MTA13O | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MTA13M. HOW MANY CIGARETTES WERE IN EACH (UNIT CIRCLED IN MTA13L)? | Number of cigarettes per unit ___ ___ ___ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MTA13N. IN TOTAL, HOW MUCH MONEY DID YOU PAY FOR THIS PURCHASE? | Price paid for purchase (naira) ___ ___ ___ DK 9998 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MTA13O. Check MMT2: Reads newspapers or magazines? <input type="checkbox"/> Yes, sometimes reads newspapers or magazines (MMT2 = 1, 2 or 3) ⇒ Continue with MTA13P. <input type="checkbox"/> No, does not read newspapers or magazines (MMT2 = 4 or left blank) ⇒ Go to MTA13Q. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MTA13P. DURING THE LAST ONE MONTH, HAVE YOU NOTICED INFORMATION IN NEWSPAPERS OR IN MAGAZINES ABOUT THE DANGERS OF SMOKING CIGARETTES OR THAT ENCOURAGES QUITTING? | Yes 1 No 2 Did not read newspapers or magazines 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MTA13Q. Check MMT4: Watches television? <input type="checkbox"/> Yes, sometimes watches television (MMT4 = 1, 2 or 3) ⇒ Continue with MTA13R. <input type="checkbox"/> No, does not watch television (MMT4 = 4) ⇒ Go to MTA13S. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MTA13R. DURING THE LAST ONE MONTH, HAVE YOU NOTICED INFORMATION ON TELEVISION ABOUT THE DANGERS OF SMOKING CIGARETTES OR THAT ENCOURAGES QUITTING? | Yes 1 No 2 Did not watch television 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MTA13S. DURING THE LAST ONE MONTH, HAVE YOU NOTICED ANY ADVERTISEMENTS OR SIGNS PROMOTING CIGARETTES IN STORES WHERE CIGARETTES ARE SOLD? | Yes 1 No 2 Did not go to any stores where cigarettes are sold 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MTA13T. DURING THE LAST ONE MONTH, HAVE YOU NOTICED ANY OF THE FOLLOWING TYPES OF CIGARETTE PROMOTIONS: | <table border="0"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> <th>DK</th> </tr> </thead> <tbody> <tr> <td>[A] FREE SAMPLES OF CIGARETTES?</td> <td>Free samples of cigarettes 1</td> <td>2</td> <td>8</td> </tr> <tr> <td>[B] CIGARETTES AT SALE PRICES?</td> <td>Cigarettes at sale prices 1</td> <td>2</td> <td>8</td> </tr> <tr> <td>[C] COUPONS FOR CIGARETTES?</td> <td>Coupons for cigarettes 1</td> <td>2</td> <td>8</td> </tr> <tr> <td>[D] FREE GIFTS OR SPECIAL DISCOUNT OFFERS ON OTHER PRODUCTS WHEN BUYING CIGARETTES?</td> <td>Free gifts or special discount 1</td> <td>2</td> <td>8</td> </tr> <tr> <td>[E] CLOTHING OR OTHER ITEMS WITH A CIGARETTE BRAND NAME OR LOGO?</td> <td>Items with cigarette brand 1</td> <td>2</td> <td>8</td> </tr> <tr> <td>[F] CIGARETTE PROMOTIONS IN THE MAIL?</td> <td>Promotions in mail 1</td> <td>2</td> <td>8</td> </tr> <tr> <td>[G] CIGARETTE PROMOTIONS ON BILLBOARDS?</td> <td>Promotions on billboards 1</td> <td>2</td> <td>8</td> </tr> </tbody> </table> | | Yes | No | DK | [A] FREE SAMPLES OF CIGARETTES? | Free samples of cigarettes 1 | 2 | 8 | [B] CIGARETTES AT SALE PRICES? | Cigarettes at sale prices 1 | 2 | 8 | [C] COUPONS FOR CIGARETTES? | Coupons for cigarettes 1 | 2 | 8 | [D] FREE GIFTS OR SPECIAL DISCOUNT OFFERS ON OTHER PRODUCTS WHEN BUYING CIGARETTES? | Free gifts or special discount 1 | 2 | 8 | [E] CLOTHING OR OTHER ITEMS WITH A CIGARETTE BRAND NAME OR LOGO? | Items with cigarette brand 1 | 2 | 8 | [F] CIGARETTE PROMOTIONS IN THE MAIL? | Promotions in mail 1 | 2 | 8 | [G] CIGARETTE PROMOTIONS ON BILLBOARDS? | Promotions on billboards 1 | 2 | 8 | |
| | Yes | No | DK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [A] FREE SAMPLES OF CIGARETTES? | Free samples of cigarettes 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [B] CIGARETTES AT SALE PRICES? | Cigarettes at sale prices 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [C] COUPONS FOR CIGARETTES? | Coupons for cigarettes 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [D] FREE GIFTS OR SPECIAL DISCOUNT OFFERS ON OTHER PRODUCTS WHEN BUYING CIGARETTES? | Free gifts or special discount 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [E] CLOTHING OR OTHER ITEMS WITH A CIGARETTE BRAND NAME OR LOGO? | Items with cigarette brand 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [F] CIGARETTE PROMOTIONS IN THE MAIL? | Promotions in mail 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [G] CIGARETTE PROMOTIONS ON BILLBOARDS? | Promotions on billboards 1 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|---|--|---------------------------|
| <p>MTA14. NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT DRINKING ALCOHOL.</p> <p>HAVE YOU EVER DRUNK ALCOHOL?</p> | <p>Yes 1</p> <p>No..... 2</p> | <p>2⇒NEXT MODULE</p> |
| <p>MTA15. WE COUNT ONE DRINK OF ALCOHOL AS ONE CAN OR BOTTLE OF BEER OR CALABASH OF PALMWINE, PITO OR BURUKUTU; ONE GLASS OF WINE; OR ONE SHOT OF COGNAC, VODKA, WHISKEY, RUM OR GIN.</p> <p>HOW OLD WERE YOU WHEN YOU HAD YOUR FIRST DRINK OF ALCOHOL, OTHER THAN A FEW SIPS?</p> | <p>Never had one drink of alcohol..... 00</p> <p>Age ____</p> | <p>00⇒NEXT MODULE</p> |
| <p>MTA16. DURING THE LAST ONE MONTH, ON HOW MANY DAYS DID YOU HAVE AT LEAST ONE DRINK OF ALCOHOL?</p> <p><i>IF RESPONDENT DID NOT DRINK, CIRCLE "00".</i></p> <p><i>IF LESS THAN 10 DAYS, RECORD THE NUMBER OF DAYS.</i></p> <p><i>IF 10 DAYS OR MORE BUT LESS THAN A MONTH, CIRCLE "10".</i></p> <p><i>IF "EVERY DAY" OR "ALMOST EVERY DAY", CIRCLE "30".</i></p> | <p>Did not have one drink in last one month..... 00</p> <p>Number of days..... 0 ____</p> <p>10 days or more but less than a month 10</p> <p>Every day / Almost every day 30</p> | <p>00⇒NEXT MODULE</p> |
| <p>MTA17. IN THE LAST ONE MONTH, ON THE DAYS THAT YOU DRANK ALCOHOL, HOW MANY DRINKS DID YOU USUALLY HAVE PER DAY?</p> | <p>Number of drinks..... ____</p> | |

| LIFE SATISFACTION | | MLS |
|---|---|----------|
| <p>MLS1. Check MWB2: Age of respondent is between 15 and 24?</p> <p><input type="checkbox"/> Age 25-49 ⇒ Go to MWM11</p> <p><input type="checkbox"/> Age 15-24 ⇒ Continue with MLS2</p> | | |
| <p>MLS2. I WOULD LIKE TO ASK YOU SOME SIMPLE QUESTIONS ON HAPPINESS AND SATISFACTION.</p> <p>FIRST, TAKING ALL THINGS TOGETHER, WOULD YOU SAY YOU ARE VERY HAPPY, SOMEWHAT HAPPY, NEITHER HAPPY NOR UNHAPPY, SOMEWHAT UNHAPPY OR VERY UNHAPPY?</p> <p>YOU CAN ALSO LOOK AT THESE PICTURES TO HELP YOU WITH YOUR RESPONSE.</p> <p>SHOW SIDE 1 OF RESPONSE CARD AND EXPLAIN WHAT EACH SYMBOL REPRESENTS. CIRCLE THE RESPONSE CODE SELECTED BY THE RESPONDENT.</p> | <p>Very happy 1</p> <p>Somewhat happy 2</p> <p>Neither happy nor unhappy 3</p> <p>Somewhat unhappy 4</p> <p>Very unhappy 5</p> | |
| <p>MLS3. NOW I WILL ASK YOU QUESTIONS ABOUT YOUR LEVEL OF SATISFACTION IN DIFFERENT AREAS.</p> <p>IN EACH CASE, WE HAVE FIVE POSSIBLE RESPONSES: PLEASE TELL ME, FOR EACH QUESTION, WHETHER YOU ARE VERY SATISFIED, SOMEWHAT SATISFIED, NEITHER SATISFIED NOR UNSATISFIED, SOMEWHAT UNSATISFIED OR VERY UNSATISFIED.</p> <p>AGAIN, YOU CAN LOOK AT THESE PICTURES TO HELP YOU WITH YOUR RESPONSE.</p> <p>SHOW SIDE 2 OF RESPONSE CARD AND EXPLAIN WHAT EACH SYMBOL REPRESENTS. CIRCLE THE RESPONSE CODE SELECTED BY THE RESPONDENT, FOR QUESTIONS MLS3 TO MLS13.</p> <p>HOW SATISFIED ARE YOU WITH YOUR FAMILY LIFE?</p> | <p>Very satisfied 1</p> <p>Somewhat satisfied 2</p> <p>Neither satisfied nor unsatisfied 3</p> <p>Somewhat unsatisfied 4</p> <p>Very unsatisfied 5</p> | |
| <p>MLS4. HOW SATISFIED ARE YOU WITH YOUR FRIENDSHIPS?</p> | <p>Very satisfied 1</p> <p>Somewhat satisfied 2</p> <p>Neither satisfied nor unsatisfied 3</p> <p>Somewhat unsatisfied 4</p> <p>Very unsatisfied 5</p> | |
| <p>MLS5. DURING THE 2015-2016 SCHOOL YEAR, DID YOU ATTEND SCHOOL AT ANY TIME?</p> | <p>Yes 1</p> <p>No 2</p> | 2 ⇒ MLS7 |
| <p>MLS6. HOW SATISFIED (ARE/WERE) YOU WITH YOUR SCHOOL?</p> | <p>Very satisfied 1</p> <p>Somewhat satisfied 2</p> <p>Neither satisfied nor unsatisfied 3</p> <p>Somewhat unsatisfied 4</p> <p>Very unsatisfied 5</p> | |
| <p>MLS7. HOW SATISFIED ARE YOU WITH YOUR CURRENT JOB?</p> <p>IF THE RESPONDENT SAYS THAT HE DOES NOT HAVE A JOB, CIRCLE "0" AND CONTINUE WITH THE NEXT QUESTION. DO NOT PROBE TO FIND OUT HOW HE FEELS ABOUT NOT HAVING A JOB, UNLESS HE TELLS YOU HIMSELF.</p> | <p>Does not have a job 0</p> <p>Very satisfied 1</p> <p>Somewhat satisfied 2</p> <p>Neither satisfied nor unsatisfied 3</p> <p>Somewhat unsatisfied 4</p> <p>Very unsatisfied 5</p> | |
| <p>MLS8. HOW SATISFIED ARE YOU WITH YOUR HEALTH?</p> | <p>Very satisfied 1</p> <p>Somewhat satisfied 2</p> <p>Neither satisfied nor unsatisfied 3</p> <p>Somewhat unsatisfied 4</p> <p>Very unsatisfied 5</p> | |
| <p>MLS9. HOW SATISFIED ARE YOU WITH WHERE YOU LIVE?</p> <p>IF NECESSARY, EXPLAIN THAT THE QUESTION REFERS TO THE LIVING ENVIRONMENT, INCLUDING THE NEIGHBOURHOOD AND THE DWELLING.</p> | <p>Very satisfied 1</p> <p>Somewhat satisfied 2</p> <p>Neither satisfied nor unsatisfied 3</p> <p>Somewhat unsatisfied 4</p> <p>Very unsatisfied 5</p> | |

| | | |
|--|--|--|
| MLS10. HOW SATISFIED ARE YOU WITH HOW PEOPLE AROUND YOU GENERALLY TREAT YOU? | Very satisfied..... 1 Somewhat satisfied 2 Neither satisfied nor unsatisfied..... 3 Somewhat unsatisfied 4 Very unsatisfied..... 5 | |
| MLS11. HOW SATISFIED ARE YOU WITH THE WAY YOU LOOK? | Very satisfied..... 1 Somewhat satisfied 2 Neither satisfied nor unsatisfied..... 3 Somewhat unsatisfied 4 Very unsatisfied..... 5 | |
| MLS12. HOW SATISFIED ARE YOU WITH YOUR LIFE, OVERALL? | Very satisfied..... 1 Somewhat satisfied 2 Neither satisfied nor unsatisfied..... 3 Somewhat unsatisfied 4 Very unsatisfied..... 5 | |
| MLS13. HOW SATISFIED ARE YOU WITH YOUR CURRENT INCOME? <i>IF THE RESPONDENT SAYS THAT HE DOES NOT HAVE ANY INCOME, CIRCLE "0" AND CONTINUE WITH THE NEXT QUESTION. DO NOT PROBE TO FIND OUT HOW HE FEELS ABOUT NOT HAVING ANY INCOME, UNLESS HE TELLS YOU HIMSELF.</i> | Does not have any income 0 Very satisfied..... 1 Somewhat satisfied 2 Neither satisfied nor unsatisfied..... 3 Somewhat unsatisfied 4 Very unsatisfied..... 5 | |
| MLS14. COMPARED TO THIS TIME LAST YEAR, WOULD YOU SAY THAT YOUR LIFE HAS IMPROVED, STAYED MORE OR LESS THE SAME, OR WORSENE, OVERALL? | Improved 1 More or less the same 2 Worsened..... 3 | |
| MLS15. AND IN ONE YEAR FROM NOW, DO YOU EXPECT THAT YOUR LIFE WILL BE BETTER, WILL BE MORE OR LESS THE SAME, OR WILL BE WORSE, OVERALL? | Better 1 More or less the same 2 Worse..... 3 | |

| | | |
|---|--------------------------------|--|
| MWM11. RECORD THE TIME INTERVIEW ENDS. | Hour and minutes : | |
|---|--------------------------------|--|

| |
|--|
| MWM12. Check List of Household Members, columns HL7B and HL15: Is the respondent the caretaker of any child age 0-4 living in this household? <p> <input type="checkbox"/> Yes ⇒ Proceed to complete the result of man's interview (MWM7) on the cover page and then go to QUESTIONNAIRE FOR CHILDREN UNDER FIVE for that child and start the interview with this respondent. </p> <p> <input type="checkbox"/> No ⇒ End the interview with this respondent by thanking him for his cooperation and proceed to complete the result of man's interview (MWM7) on the cover page. </p> |
|--|

INTERVIEWER'S OBSERVATIONS

SUPERVISOR'S OBSERVATIONS