NIGERIA

Multiple Indicator Cluster Survey 2016-17

National Survey Finding Report

October, 2017

MICS

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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) while World Health Organization (WHO), World Bank, Save One Million Live (SOML), Bill and Melinda Gates Foundation, United Nations Population Funds (UNFPA), United States Agency for International Development (USAID) 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).

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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 Women (age 15-49) Men (age 15-49) Children under five Water Quality Testing
- Updated	November 2015		
Interviewer training	August 2016	**Fieldwork**	Sept. 2016-January 2017
Survey sample			
Households		*Children under five*	
- 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		
Women		*Men*	
- 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:			
- Male	49.5	- North Central	16.0
- Female	50.5	- North East	16.5
		- 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 Findings[1]

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 2.1b	MDG 1.8	Underweight prevalence (a) Moderate and severe (b) Severe	Percentage 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	 31.5 11.5
2.2a 2.2b	SDG 2.2.1	Stunting prevalence (a) Moderate and severe (b) Severe	Percentage 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 height for age of the WHO standard	 43.6 22.8
2.3a 2.3b	SDG 2.2.2	Wasting prevalence (a) Moderate and severe (b) Severe	Percentage 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	 10.8 2.9
2.4	SDG 2.2.2	Overweight prevalence	Percentage of children under age 5 who are above two standard deviations of the median weight for height of the WHO standard	1.5

Breastfeeding and infant feeding

2.5	Children ever breastfed	Percentage of women with a live birth in the last 2 years who breastfed their last live-born child at any time	95.0
2.6	Early initiation of breastfeeding	Percentage of women with a live birth in the last 2 years who put their last newborn to the breast within one hour of birth	32.8
2.7	Exclusive breastfeeding under 6 months	Percentage of infants under 6 months of age who are exclusively breastfed	23.7
2.8	Predominant breastfeeding under 6 months	Percentage of infants under 6 months of age who received breast milk as the predominant source of nourishment during the previous day	54.0
2.9	Continued breastfeeding at 1 year	Percentage of children age 12-15 months who received breast milk during the previous day	85.9
2.10	Continued breastfeeding at 2 years	Percentage of children age 20-23 months who received breast milk during the previous day	37.1
2.11	Median duration of breastfeeding	The age in months when 50 percent of children age 0-35 months did not receive breast milk during the previous day	19.9
2.12	Age-appropriate breastfeeding	Percentage of children age 0-23 months appropriately fed during the previous day	58.2
2.13	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	79.0
2.14	Milk feeding frequency for non-breastfed children	Percentage of non-breastfed children age 6-23 months who received at least 2 milk feedings during the previous day	24.9

[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 2.17b	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 (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	16.5 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 15 parts per million or more of iodide/iodate	XX
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 3.16b		Household availability of insecticide-treated nets (ITNs)	Percentage of households with (a) at least one ITN (b) at least one ITN for every two people	 64.5 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 *E. coli* 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 *E. Coli* 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 *E. coli* 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 5.5b	MDG 5.5 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 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 h ome 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	18.5
		(b) Men	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	44.1
		(b) Men	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	22.2
		(b) Men	0.0
8.7	Polygyny	Percentage of people age 15-49 years who are in a polygynous union	
		(a) Women	36.9
		(b) Men	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,	47.6
		(b) among women age 20-24 years	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	33.7
		(b) Men	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	83.4
			(b) Men	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	29.3
			(b) Men	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	50.7
			(b) Men	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	8.3
			(b) Men	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	60.4
			(b) Men	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	15.1
			(b) Men	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	16.7
			(b) Men	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	74.8
			(b) Men	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	15.1
			(b) Men	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	2.0
			(b) Men	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	33.3
			(b) Men	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	12.4
			(b) Men	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	46.6
			(b) Men	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	5.5
			(b) Men	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	13.4
			(b) Men	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	17.3
			(b) Men	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	88.5
			(b) Men	89.6
11.2		Happiness	Percentage of young people age 15-24 years who are very or somewhat happy	
			(a) Women	91.0
			(b) Men	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	71.1
			(b) Men	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
		(b) Men	6.9
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

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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

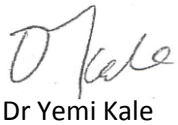
Foreword

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 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 logistic arrangements for the training, data collection, monitoring of the field work, and for maintaining a high level of data quality control. SpeciaI thanks go to Denis Jobin and Niyi Olaleye of UNICEF Nigeria (who worked closely with NBS team) for their dedication, cooperation and efficacy. I will like to thank my colleague, Mr. Bappayo Samanja (Director of Field Service & Methodology) for maintain the fantastic field force for the survey. 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 all other core members of MICS5 implementation team.

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 geo-political 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 age[2] living in sampled households.

The Household Questionnaire included the following modules:

[2]*The 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 questionnaire[3] 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.

[3]*The 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 CSPro 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

		Residence		Geopolitical zone					
	Total	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

	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/caretakers interviewed	Under-5's response rate	Under-5's overall response rate
State																	
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, 90,721 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 ethnicity[5] 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

		Number of households	
	Weighted percent	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

		Number of households	
	Weighted percent	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

		Number of women	
	Weighted percent	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, education[6], wealth index quintiles[7], 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

		Number of men	
	Weighted percent	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

		Number of men	
	Weighted percent	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					
	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	Number of households
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: Radio	Television	Non-mobile telephone	Refrigerator	Percentage of households that own: Agricultural land	Farm animals/Livestock	Percentage of households where at least one member owns or has a: Watch	Mobile telephone	Bicycle	Motorcycle or scooter	Animal-drawn cart	Car or truck	Boat with a motor	Bank account	Ownership of dwelling: Owned by a household member	Not owned	Rented	Other	Total	Number of households
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						
	Poorest	Second	Middle	Fourth	Richest	Total	Number of household members
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						Number of household members
	Poorest	Second	Middle	Fourth	Richest	**Total**	
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 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 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 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

( ) 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 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

[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						Percentage of live births:		
	Very small	Smaller than average	Average	Larger than average or very large	Don't know	Total	Below 2,500 grams[1]	Weighed at birth[2]	Number of last live-born children in the last two years
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						Percentage of live births:		
	Very small	Smaller than average	Average	Larger than average or very large	Don't know	Total	Below 2,500 grams[1]	Weighed at birth[2]	Number of last live-born children in the last two years
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 infants

[2] MICS indicator 2.21 - Infants weighed at birth

Nutritional Status

The reference population used in this report is based on the WHO growth standards[8]. 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				Stunted				Wasted		Overweight		
	Percent below		Mean Z-Score (SD)	Number of children under age 5	Percent below		Mean Z-Score (SD)	Number of children under age 5	Percent below		Percent above	Mean Z-Score (SD)	Number of children under age 5
	- 2 SD[1]	- 3 SD[2]			- 2 SD[3]	- 3 SD[4]			- 2 SD[5]	- 3 SD[6]	+ 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				Height for age				Weight for height				
	Underweight Percent below		Mean Z-Score (SD)	Number of children under age 5	Stunted Percent below		Mean Z-Score (SD)	Number of children under age 5	Wasted Percent below		Overweight Percent above	Mean Z-Score (SD)	Number of children under age 5
	- 2 SD[1]	- 3 SD[2]			- 2 SD[3]	- 3 SD[4]			- 2 SD[5]	- 3 SD[6]	+ 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**
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

	Weight for age				Height for age				Weight for height				
	Underweight Percent below		Mean Z-Score (SD)	Number of children under age 5	Stunted Percent below		Mean Z-Score (SD)	Number of children under age 5	Wasted Percent below		Overweight Percent above	Mean Z-Score (SD)	Number of children under age 5
	- 2 SD[1]	- 3 SD[2]			- 2 SD[3]	- 3 SD[4]			- 2 SD[5]	- 3 SD[6]	+ 2 SD[7]		
State													
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 form 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 **Non-breastfed children** Four meals/snacks and/or milk feeds provided in the last 24 hours	NU.6
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 breastfed

[2] 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 breastfed

[2] 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 months

[2] MICS indicator 2.8 - Predominant breastfeeding under 6 months

[3] MICS indicator 2.9 - Continued breastfeeding at 1 year

[4] 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 months

[2] 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 months

[2] 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, Kano 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**
Geoplitical 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:				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**
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				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
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

	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
State													
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

	Percentage of households in which salt was tested	Number of households	Percent of households with: Salt test result: No salt	Not iodized 0 PPM	>0 and <15 PPM	15+ PPM[1]	Total	Number of households in which salt was tested or with no salt
Total								
Geopolitical Zones								
North Central								
North East								
North West								
South East								
South South								
South West								
Residence								
Urban								
Rural								
Wealth index quintile								
Poorest								
Second								
Middle								
Fourth								
Richest								

[1] MICS indicator 2.19 - Iodized salt consumption

Note: The results of testing for salt iodisation are not shown, due to problems with data quality in parts of the sample. This is likely due to issues with test kits. The data is available in the microdata for the purpose of further analysis and investigation.

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 Pollo 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[8, 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:														
	BCG	HepB at Birth	Polio				Pentavalent				Yellow fever	Measles (MCV1)	Full[a]	Card seen	Children age 12-23 months
			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**	**53.5**	**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	63.0	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	52.6	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	30.0	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	90.1	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	83.9	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	85.6	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	75.0	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	43.7	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	54.0	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	53.0	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	23.9	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	60.7	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	82.2	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	93.9	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	33.4	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	30.2	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	52.0	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	60.0	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	49.3	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	52.8	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	23.2	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	39.0	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	54.7	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	76.0	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	87.1	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	34.8	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	89.2	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	86.9	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	70.6	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:													Children age 12-23 months
	BCG	HepB at Birth	Polio				Pentavalent			Yellow fever	Measles (MCV1)	Full[a]	Card seen	
			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:													Number of children age 12-23 months
	BCG	HepB at Birth	Polio				Pentavalent			Yellow fever	Measles (MCV1)	Full[a]	Card seen	
			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:													
	BCG	HepB at Birth	Polio				Pentavalent			Yellow fever	Measles (MCV1)	Full[a]	Card seen	Children age 12-23 months
			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 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**
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:						
	Health facilities or providers						
	Public	Private	Community health provider[a]	Other source	A health facility or provider[1, b]	No advice or treatment sought	Number of children age 0-59 months with diarrhoea in the last two weeks
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 Child was given to drink:							Eating practices during diarrhoea 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	Number of children age 0-59 months with diarrhoea in the last two weeks
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:												
	Oral rehydration salts (ORS)			Recommended homemade fluids				ORS or any recommended homemade fluid	Zinc			ORS and zinc[1]	Number of children age 0-59 months with diarrhoea in the last two weeks
	Fluid from packet	Pre-packaged fluid	Any ORS	Salt sugar solution	Coconut water	Rice water	Any recommended 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:															
					Other treatments											
					Pill or syrup				Injection							
	Zinc	ORS or increased fluids	ORT (ORS or recommended homemade fluids or increased fluids)	ORT with continued feeding[1]	Anti-biotic	Anti-motility	Other	Unknown	Anti- biotic	Non-antibiotic	Unknown	Intra-venous	Home remedy, herbal medicine	Other	Not given any treatment or drug	Number of children age 0-59 months with diarrhoea in the last two weeks
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
				Health facilities or providers						Health facilities or providers					
	ORS	zinc		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]	
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
				Health facilities or providers						Health facilities or providers					
	ORS	zinc		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								Health facilities or providers					
	Public	Private	Community health provider[a]	Other source	A health facility or provider[1, b]	No advice or treatment sought			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								Health facilities or providers					
	Public	Private	Community health provider[a]	Other source	A health facility or provider[1, b]	No advice or treatment sought			Public	Private	Community health provider[a]	Other source	A health facility or provider[c]	
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**	**0.0**	**39.0**	**18,249**
Geopolitical zone										
North Central	32.8	46.5	75.5	26.8	30.6	27.8	17.6	0.0	44.3	3,050
North East	40.5	52.8	66.6	39.1	35.3	24.3	16.6	0.0	50.7	3,759
North West	28.8	45.5	76.6	25.1	22.2	18.0	12.8	0.0	34.3	6,857
South East	29.6	61.2	73.6	32.9	33.4	35.4	12.5	0.0	50.1	931
South South	21.1	44.6	77.5	20.8	19.8	23.9	8.1	0.0	30.2	1,516
South West	14.1	32.7	79.8	18.8	17.3	17.2	10.0	0.0	26.9	2,137
Residence										
Urban	26.5	46.9	76.7	29.7	27.7	25.2	13.9	0.0	40.6	5,569
Rural	30.9	46.2	73.8	26.6	25.4	20.9	13.6	0.0	38.3	12,680
Education										
None	37.2	44.8	74.8	28.1	26.2	19.4	16.5	0.0	40.3	5,156
Non-formal	24.1	49.0	69.3	27.0	25.2	21.0	10.8	0.0	36.4	3,894
Primary	29.8	47.0	77.2	27.6	28.4	23.1	13.2	0.0	40.7	2,867
Secondary	26.9	46.3	76.5	27.9	25.4	24.1	12.3	0.0	39.2	4,870
Higher	25.6	44.7	77.5	26.4	25.8	27.5	16.5	0.0	36.9	1,463
Wealth index quintile										
Poorest	31.4	45.3	72.1	23.5	21.0	16.3	12.9	0.0	34.5	4,057
Second	32.1	45.9	74.1	26.8	24.1	19.7	13.7	0.0	37.9	3,965
Middle	31.8	49.6	72.8	31.2	30.2	26.7	15.3	0.0	43.6	3,505
Fourth	28.4	49.3	77.7	32.3	30.8	25.6	13.9	0.0	42.8	3,325
Richest	23.2	42.3	77.4	24.9	25.7	24.4	12.6	0.0	37.1	3,397
Ethnicity of household head										
Hausa	31.9	47.3	73.3	29.0	27.1	20.7	14.4	0.0	39.6	9,865
Igbo	25.9	52.7	75.1	29.6	28.9	31.1	13.5	0.0	44.1	1,418
Yoruba	17.5	33.9	78.3	20.4	19.3	18.7	11.3	0.0	29.8	1,925
Other ethnic group	30.7	47.8	75.8	27.0	26.0	24.1	13.1	0.0	39.7	5,042

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	0.0	39.0	18,249
State										
Abia	18.6	68.3	83.0	29.5	30.1	22.6	16.6	0.0	38.1	143
Adamawa	41.8	60.2	64.9	26.8	22.6	26.0	16.0	0.0	35.7	418
Akwa Ibom	24.0	49.3	90.7	28.5	17.9	26.9	4.5	0.0	35.7	370
Anambra	24.5	60.4	74.0	19.5	21.5	30.8	7.4	0.0	36.8	226
Bauchi	67.4	47.8	62.9	27.1	24.5	10.0	24.2	0.0	45.1	993
Bayelsa	17.7	21.1	80.9	9.7	17.4	19.6	3.8	0.0	24.2	116
Benue	31.5	50.0	73.0	28.4	34.0	31.3	18.0	0.0	46.0	460
Borno	29.2	61.5	72.5	64.8	53.2	38.5	8.1	0.0	72.3	1,057
Cross River	7.4	47.7	87.0	10.5	17.2	21.7	5.2	0.0	24.6	282
Delta	26.2	46.4	71.9	10.8	9.1	16.5	8.6	0.0	18.2	272
Ebonyi	48.1	59.3	69.6	50.1	37.2	43.9	11.6	0.0	59.4	161
Edo	26.0	41.4	83.8	19.8	18.1	16.6	13.5	0.0	27.9	192
Ekiti	21.0	30.1	71.8	18.8	16.8	12.2	3.6	0.0	26.5	91
Enugu	35.5	63.2	69.4	48.9	53.9	44.6	17.9	0.0	73.7	168
Gombe	12.6	21.6	82.1	9.4	8.3	6.8	13.8	0.0	16.1	342
Imo	24.4	57.4	73.3	24.6	29.5	35.1	11.8	0.0	47.2	234
Jigawa	22.9	34.6	77.7	25.0	20.7	15.6	9.4	0.0	38.7	902
Kaduna	40.7	45.8	67.5	44.4	49.4	36.4	30.7	0.0	58.5	1,109
Kano	31.0	48.9	79.8	35.3	27.7	22.5	15.0	0.0	44.7	1,454
Katsina	28.0	43.1	78.3	10.4	9.4	5.9	6.2	0.0	18.4	1,296
Kebbi	38.6	51.2	85.4	26.6	19.4	15.1	15.9	0.0	32.3	599
Kogi	19.9	51.1	78.1	22.8	16.0	17.2	9.6	0.0	34.1	253
Kwara	30.1	48.8	62.0	32.9	41.8	25.6	19.8	0.0	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		
State										
Lagos	12.9	30.5	77.5	23.3	20.1	20.1	12.8	0.0	31.4	760
Nasarawa	49.6	56.9	87.6	37.8	38.9	38.2	31.1	0.0	45.8	395
Niger	31.9	33.4	63.9	22.0	31.4	19.0	15.3	0.0	46.7	859
Ogun	8.0	22.8	74.3	13.7	17.4	15.9	6.1	0.0	22.3	218
Ondo	19.8	43.5	68.1	25.2	19.7	19.0	14.8	0.0	37.3	268
Osun	31.5	47.4	84.9	28.5	27.9	26.2	21.0	0.0	35.8	250
Oyo	6.4	28.3	89.8	7.1	7.4	9.5	1.2	0.0	13.6	550
Plateau	32.6	54.6	89.5	27.4	24.9	34.0	14.8	0.0	38.6	687
Rivers	24.2	45.7	50.4	35.9	37.5	35.9	13.3	0.0	44.1	283
Sokoto	12.5	49.0	67.2	14.1	13.0	6.3	4.6	0.0	19.1	615
Taraba	34.3	47.8	57.6	31.4	35.7	18.4	20.2	0.0	49.6	280
Yobe	34.4	59.9	59.9	42.6	44.4	33.2	18.9	0.0	52.5	670
Zamfara	22.1	48.1	80.0	12.5	7.5	18.0	3.8	0.0	17.8	883
FCT Abuja	24.2	34.3	72.1	13.4	26.1	33.4	17.5	0.0	34.6	148

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															
						Solid fuels										
	Electricity	Liquefied Petroleum Gas (LPG)	Natural Gas	Biogas	Kerosene	Coal/ Lignite	Char-coal	Wood	Straw/ Shrubs/ Grass	Animal dung	Agricultural crop residue	Other fuel	No food cooked in the household	Total	Solid fuels for cooking[1]	Number of household members
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:															
						Solid fuels										
	Electricity	Liquefied Petroleum Gas (LPG)	Natural Gas	Biogas	Kerosene	Coal/ Lignite	Char-coal	Wood	Straw/ Shrubs/ Grass	Animal dung	Agricultural crop residue	Other fuel	No food cooked in the household	Total	Solid fuels for cooking[1]	Number of household members
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

	Percentage of household members in households mainly using:															
						Solid fuels										
	Electricity	Liquefied Petroleum Gas (LPG)	Natural Gas	Biogas	Kerosene	Coal/ Lignite	Char-coal	Wood	Straw/ Shrubs/ Grass	Animal dung	Agricultural crop residue	Other fuel	No food cooked in the household	Total	Solid fuels for cooking[1]	Number of household members
State																
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:						
	In the house						
	In a separate room used as kitchen	Elsewhere in the house	In a separate building	Outdoors	Other place	Total	Number of household members in households using solid fuels for cooking
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:						
	In the house						
	In a separate room used as kitchen	Elsewhere in the house	In a separate building	Outdoors	Other place	Total	Number of household members in households using solid fuels for cooking
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]:			
	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)	Number of households
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:										Percentage with access to an ITN[a]	Number of household members[b]
	0	1	2	3	4	5	6	7	8 or more	Total		
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 treated 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)

Pecentage of children age 0-59 monrths 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 treated 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: Advice or treatment was sought from: Health facilities or providers						
	Public	Private	Community health provider[a]	Other source	A health facility or provider[1, b]	No advice or treatment sought	Number of children with fever in last two weeks
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: Advice or treatment was sought from: Health facilities or providers						
	Public	Private	Community health provider[a]	Other source	A health facility or provider[1, b]	No advice or treatment sought	Number of children with fever in last two weeks
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:													
	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	Number of children with fever in last two weeks
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							
	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/Don't know	Number of children with fever in last two weeks
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:							
		Were given:						
	Had blood taken from a finger or heel for testing[1]	Artemisinin-combination Treatment (ACT)	ACT the same or next day	Any antimalarial drugs[2]	Any antimalarial drugs same or next day	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
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
		Were given:						
	Had blood taken from a finger or heel for testing[1]	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					
			Public	Private	Community health provider[a]	Other source	A health facility or provider[b]	
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					
			Public	Private	Community health provider[a]	Other source	A health facility or provider[b]	
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: 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	Number of women with a live birth in the last two years and who received antenatal care
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:					
				who took SP/Fansidar at least once during an ANC visit and in total took:				
	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	At least once	Two or more times	Three or more times[1]	Four or more times	Number of women with a live birth in the last two years and who received antenatal care
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																				
	Improved sources										Unimproved sources										
	Piped water																				
	Into dwelling	Into yard/compound/plot	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	Other	Total	Percentage using improved sources of drinking water[1]	Number of household members
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																				
	Improved sources										Unimproved sources										
	Piped water																				
	Into dwelling	Into yard/compound/plot	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	Other	Total	Percentage using improved sources of drinking water[1]	Number of household members
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																				
	Improved sources										Unimproved sources										
	Piped water																				
	Into dwelling	Into yard/compound/plot	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	Other	Total	Percentage using improved sources of drinking water[1]	Number of household members
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																				
	Improved sources										Unimproved sources										
	Piped water																				
	Into dwelling	Into yard/compound/plot	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	Other	Total	Percentage using improved sources of drinking water[1]	Number of household members
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												
	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	Number of household members	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
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													
	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	Number of household members	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
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

	Water treatment method used in the household													
	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	Number of household members	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
State														
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									
	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	Number of household members
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									
	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 30minutes	30 minutes or more	Missing / Don't know	Total	Number of household members
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							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	
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							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	
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														
	Improved sanitation facility							Unimproved sanitation facility							
	Flush/Pour flush to:														
	Piped sewer system	Septic tank	Pit latrine	Unknown place/not sure/Don't know where	Ventilated improved pit latrine	Pit latrine with slab	Compos-ting toilet	Flush/Pour flush to somewhere else	Pit latrine without slab/ open pit	Bucket	Hanging toilet/ latrine	Other	Open defecation (no facility, bush, field)	Total	Number of household members
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
Ethmicity 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														
	Improved sanitation facility							Unimproved sanitation facility							
	Flush/Pour flush to:														
	Piped sewer system	Septic tank	Pit latrine	Unknown place/not sure/Don't know where	Ventilated improved pit latrine	Pit latrine with slab	Compos-ting toilet	Flush/Pour flush to somewhere else	Pit latrine without slab/ open pit	Bucket	Hanging toilet/ latrine	Other	Open defecation (no facility, bush, field)	Total	Number of household members
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

	Type of toilet facility used by household														
	Improved sanitation facility							Unimproved sanitation facility							
	Flush/Pour flush to:														
	Piped sewer system	Septic tank	Pit latrine	Unknown place/not sure/Don't know where	Ventilated improved pit latrine	Pit latrine with slab	Compos-ting toilet	Flush/Pour flush to somewhere else	Pit latrine without slab/ open pit	Bucket	Hanging toilet/ latrine	Other	Open defecation (no facility, bush, field)	Total	Number of household members
State															
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						
			Shared by				Shared by				
	Not shared[1]	Public facility	5 households or less	More than 5 households	Not shared	Public facility	5 households or less	More than 5 households	Open defecation (no facility, bush, field)	Total	Number of household members
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							
			Shared by					Shared by					
	Not shared[1]	Public facility	5 households or less	More than 5 households	Missing /Don't know	Not shared	Public facility	5 households or less	More than 5 households	Missing /Don't know	Open defecation (no facility, bush, field)	Total	Number of household members
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:										
	Improved drinking water[1, a]			Unimproved sanitation							
	Piped into dwelling, plot or yard	Other improved	Unimproved drinking water	Total	Improved sanitation[2]	Shared improved facilities	Unimproved facilities	Open defecation	Total	Improved drinking water sources and improved sanitation	Number of household members
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 sources

[2] 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:										
	Improved drinking water[1, a]					Unimproved sanitation					
	Piped into dwelling, plot or yard	Other improved	Unimproved drinking water	Total	Improved sanitation[2]	Shared improved facilities	Unimproved facilities	Open defecation	Total	Improved drinking water sources and improved sanitation	Number of household members
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 sources

[2] 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										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**
State												
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

	Percentage of households:			Place for handwashing observed									
				Water is available and:			Water is not available and:						
					No soap:			No soap:					
	Where place for handwashing was observed	With no specific place for handwashing in the dwelling, yard, or plot	Number of households	Soap present	Ash, mud, or sand present	No other cleansing agent present	Soap present	Ash, mud, or sand present	No other cleansing agent present	No specific place for handwashing in the dwelling, yard, or plot	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
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

	Percentage of households:			Place for handwashing observed									
				Water is available and:			Water is not available and:						
					No soap:			No soap:					
	Where place for handwashing was observed	With no specific place for handwashing in the dwelling, yard, or plot	Number of households	Soap present	Ash, mud, or sand present	No other cleansing agent present	Soap present	Ash, mud, or sand present	No other cleansing agent present	No specific place for handwashing in the dwelling, yard, or plot	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
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

	Percentage of households:			Place for handwashing observed									
				Water is available and:			Water is not available and:						
					No soap:			No soap:					
	Where place for handwashing was observed	With no specific place for handwashing in the dwelling, yard, or plot	Number of households	Soap present	Ash, mud, or sand present	No other cleansing agent present	Soap present	Ash, mud, or sand present	No other cleansing agent present	No specific place for handwashing in the dwelling, yard, or plot	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
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					
		Soap or other cleansing agent not observed at place for handwashing								
	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	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	Percentage of households with soap or other cleansing agent anywhere in the dwelling[1]	Number of households
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					
		Soap or other cleansing agent not observed at place for handwashing								
	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	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	Percentage of households with soap or other cleansing agent anywhere in the dwelling[1]	Number of households
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 contamination[15]. 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 water

Percent 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 – continued

Percent 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
State						
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 will 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 – continued

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
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:							
	Improved sources			Unimproved sources			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
	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:					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	Number of women age 15-19 years		
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:						
	Have had a live birth	Are pregnant with first child	Have begun childbearing	Have had a live birth before age 15	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
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

na: not applicable

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):																	
	No method	Female sterili-zation	Male sterili-zation	IUD	Injectables	Implants	Pill	Male condom	Female condom	Diaphragm/Foam/Jelly	LAM	Periodic abstinence	Withdrawal	Other	Any modern method	Any tradi-tional method	Any method[1]	Number of women age 15-49 years currently married or in union
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):																	
	No method	Female sterili-zation	Male sterili-zation	IUD	Injectables	Implants	Pill	Male condom	Female condom	Diaphragm/Foam/Jelly	LAM	Periodic abstinence	Withdrawal	Other	Any modern method	Any tradi-tional method	Any method[1]	Number of women age 15-49 years currently married or in union
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):																	
	No method	Female sterili-zation	Male sterili-zation	IUD	Injectables	Implants	Pill	Male condom	Female condom	Diaphragm/Foam/Jelly	LAM	Periodic abstinence	Withdrawal	Other	Any modern method	Any tradi-tional method	Any method[1]	Number of women age 15-49 years currently married or in union
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]									
	Medical doctor	Nurse/ Midwife	Auxiliary midwife	Traditional birth attendant	Community health worker	Other	No antenatal care	Total	Any skilled provider[1,b]	Number of women with a live birth in the last two years
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]									
	Medical doctor	Nurse/ Midwife	Auxiliary midwife	Traditional birth attendant	Community health worker	Other	No antenatal care	Total	Any skilled provider[1,b]	Number of women with a live birth in the last two years
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									
	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	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
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									
	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	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
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

	Percent distribution of women who had:							Percent distribution of women by number of months pregnant at the time of first antenatal care 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	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
State																	
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	100.0	1,038	5.0	718
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:				
	Blood pressure measured	Urine sample taken	Blood sample taken	Blood pressure measured, urine and blood sample taken[1]	Number of women with a live birth in the last two years
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			
	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]	Number of women who had a live birth in the last two years
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				
	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]	Number of women who had a live birth in the last two years
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 delivery

[2] 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				
	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]	Number of women who had a live birth in the last two years
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				
	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]	Number of women who had a live birth in the last two years
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 delivery

[2] 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							
	Health facility							
	Public sector	Private sector	Home	Other	Missing/ Don't know	Total	Delivered in health facility[1]	Number of women with a live birth in the last two years
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							
	Health facility							
	Public sector	Private sector	Home	Other	Missing/ Don't know	Total	Delivered in health facility[1]	Number of women with a live birth in the last two years
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								
	Less than 6 hours	6-11 hours	12-23 hours	1-2 days	3 days or more	Missing/ Don't know	Total	12 hours or more[1]	Number of women who had their last birth delivered in a health facility in the last 2 years
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								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	12 hours or more[1]	
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]								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		
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]								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		
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 Indix 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					
	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	Number of last-born children in the last two years
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					
	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	Number of last-born children in the last two years
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	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**
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							
	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]	Number of last-born children in the last two years delivered outside a facility
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							
	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]	Number of last-born children in the last two years delivered outside a facility
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

		PNC visit for mothers[b]									
	Health check following birth while in facility or at home[a]	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	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
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 Indix 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]								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	Misssing /Don't know	Total		
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 Indix 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 Indix 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:						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	
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

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: Biological father	Biological mother	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
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: Biological father	Percentage of children living with their: Biological mother	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
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							
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 books

[2] 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:				
	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]	Number of children under age 5
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 books

[2] 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:			
	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]	Number of children under age 5
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:			
	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]	Number of children under age 5
Total	**27.2**	**23.6**	**32.7**	**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

	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
State															
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: Attending primary school	Percentage of children: Out of school[a]	Number of children	Net attendance ratio (adjusted)	Percentage of children: Attending primary school	Percentage of children: Out of school[a]	Number of children	Net attendance ratio (adjusted)[1]	Percentage of children: Attending primary school	Percentage of children: Out of school[a]	Number of children
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[b]	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: Attending primary school	Percentage of children: Out of school[a]	Number of children	Net attendance ratio (adjusted)	Percentage of children: Attending primary school	Percentage of children: Out of school[a]	Number of children	Net attendance ratio (adjusted)[1]	Percentage of children: Attending primary school	Percentage of children: Out of school[a]	Number of children
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: Attending primary school	Percentage of children: Out of school[a]	Number of children	Net attendance ratio (adjusted)	Percentage of children: Attending primary school	Percentage of children: Out of school[a]	Number of children	Net attendance ratio (adjusted)[1]	Percentage of children: Attending primary school	Percentage of children: Out of school[a]	Number of children
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: Attending primary school	Percentage of children: Out of school[a]	Number of children	Net attendance ratio (adjusted)	Percentage of children: Attending primary school	Percentage of children: Out of school[a]	Number of children	Net attendance ratio (adjusted)[1]	Percentage of children: Attending primary school	Percentage of children: Out of school[a]	Number of children
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**
Goepolitical 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 rate

[2] 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					Children under age 5 whose birth is not registered	
	Has birth certificate						
	Seen	Not seen	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
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						
	Seen	Not seen	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
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	8258	62.6	11.4	2992	82.6	1.9	1757
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

[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

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	8258	88.6	6.2	2992	95.3	2.3	1757
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:		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**
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	13007
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:					
	Only non-violent discipline	Psychological aggression	Physical punishment		Any violent discipline method[1]	Number of children age 1-14 years
			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:					
	Only non-violent discipline	Psychological aggression	Physical punishment		Any violent discipline method[1]	Number of children age 1-14 years
			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 2 0-49 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:						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
	Younger	0-4 years older	5-9 years older	10+ years older[1]	Husband/ Partner's age unknown	Total		Younger	0-4 years older	5-9 years older	10+ years older[2]	Husband/ Partner's age unknown	Total	
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
	Younger	0-4 years older	5-9 years older	10+ years older[1]	Husband/ Partner's age unknown	Total		Younger	0-4 years older	5-9 years older	10+ years older[2]	Husband/ Partner's age unknown	Total	
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:					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	
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:					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	
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:					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	
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							100.0	
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)							100.0	
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							100.0	
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							100.0	
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							100.0	
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							100.0	
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:					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	
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:					Number of women age 15-49 years who have heard of FGM/C
			Continued[1]	Discontinued	Depends	Missing /Don't know	Total	
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:					Number of women age 15-49 years who have heard of FGM/C
			Continued[1]	Discontinued	Depends	Missing /Don't know	Total	
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:						
	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]	Number of women age 15-49 years
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:						
	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]	Number of women age 15-49 years
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:						
	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]	Number of men age 15-49 years
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:						
	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]	Number of men age 15-49 years
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 arrangements

[2] 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:					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**
Geopolitical zone							
North Central	0.0	0.0	0.0	100.0	100.0	0.0	16,114
North East	0.0	0.0	0.0	100.0	100.0	0.0	21,160
North West	0.0	0.0	0.0	99.9	100.0	0.1	35,260
South East	0.0	0.3	0.0	99.7	100.0	0.3	5,567
South South	0.0	0.2	0.0	99.8	100.0	0.2	7,939
South West	0.1	0.3	0.3	99.3	100.0	0.7	10,152
Residence							
Urban	0.0	0.2	0.1	99.7	100.0	0.3	30,350
Rural	0.0	0.0	0.0	99.9	100.0	0.1	65,843
Age group (Years)							
0-4	0.0	0.1	0.0	99.9	100.0	0.1	31,299
5-9	0.0	0.1	0.0	99.9	100.0	0.1	29,627
10-14	0.0	0.1	0.1	99.8	100.0	0.2	24,773
15-17	0.1	0.1	0.0	99.8	100.0	0.2	10,494
Wealth index quintile							
Poorest	0.0	0.0	0.0	100.0	100.0	0.0	21,357
Second	0.0	0.0	0.0	100.0	100.0	0.0	20,354
Middle	0.0	0.1	0.0	99.9	100.0	0.1	19,298
Fourth	0.0	0.1	0.0	99.9	100.0	0.1	18,419
Richest	0.1	0.3	0.1	99.6	100.0	0.4	16,765
Ethnicity of household head							
Hausa	0.0	0.0	0.0	100.0	100.0	0.0	52,167
Igbo	0.0	0.5	0.0	99.5	100.0	0.5	7,938
Yoruba	0.1	0.2	0.2	99.5	100.0	0.5	9,481
Other ethnic group	0.0	0.1	0.0	99.9	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:						
	With at least one parent living abroad						
	Only mother abroad	Only father abroad	Both mother and father abroad	With neither parent living abroad	Total	Percentage of children age 0-17 years with at least one parent living abroad[1]	Number of children age 0-17 years
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 HIV cannot be transmitted by:						
	Percentage who have heard of AIDS	Having only one faithful uninfected 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	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
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

[1]MICS 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 HIV cannot be transmitted by:						
	Percentage who have heard of AIDS	Having only one faithful uninfected 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	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
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

[1]MICS 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 HIV cannot be transmitted by:					
	Percentage who have heard of AIDS	Having only one faithful uninfected 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	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
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

[1]MICS 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 have heard of AIDS	Having only one faithful uninfected 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	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
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

[1]MICS 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:			
	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	Do not know any of the specific means of HIV transmission from mother to child	Number of women age 15-49
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:			
	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	Do not know any of the specific means of HIV transmission from mother to child	Number of men age 15-49
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	7423
Never married/in union	53.0	56.2	65.7	72.8	43.6	55.0	50.5	18.3	7749
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:		
	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 who have heard of AIDS
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 colums 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:					
	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]	Number of women age 15-49
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:					
	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]	Number of women age 15-49
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:					
	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]	Number of men age 15-49
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:					
	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]	Number of men age 15-49
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:					
	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	Number of women age 15-49 with a live birth in the last 2 years
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:							
	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	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
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:							
	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	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
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:							
	Ever had sex	Had sex in the last 12 months	Had sex with more than one partner in last 12 months[1]	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
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		1,760	42.6	260
North East	51.2	48.1	3.7	2,943	3.5	1,507	9.2	109
North West	56.9	54.7	7.4	4,674	2.1	2,658	11.1	345
South East	76.6	70.0	16.0	984	2.4	754	64.2	158
South South	80.8	74.6	20.0	1,664	5.8	1,345	50.2	332
South West	80.7	72.6	22.6	2,189	7.3	1,767	34.8	496
Residence					7.3			
Urban	62.9	57.2	13.3	5,627		3,541	42.3	747
Rural	65.4	61.7	10.0	9,556	5.4	6,249	29.7	953
Age (years)					3.8			
15-24	25.1	21.3	5.6	5,887		1,477	59.7	332
15-19	12.1	9.6	1.9	3,508	4.0	423	62.0	68
20-24	44.3	38.6	11.1	2,378	2.9	1,054	59.0	264
25-29	72.8	67.4	13.8	2,191	4.4	1,594	52.9	303
30-39	91.7	86.9	14.2	4,014	4.3	3,679	32.5	571
40-49	98.3	93.9	16.0	3,092	4.4	3,041	11.2	494
Marital status					4.5			
Ever married/in union	98.4	95.2	14.0	7,423		7,308	14.7	1,040
Never married/in union	32.0	26.5	8.5	7,749	4.1	2,477	67.8	658
Education					5.2			
None	65.9	63.0	6.1	1,563		1,030	3.9	95
Non-formal	63.8	61.0	8.2	2,140	2.2	1,366	3.1	176
Primary	73.5	69.9	11.4	1,997	1.9	1,469	25.0	228
Secondary	57.2	52.5	11.9	6,861	4.5	3,925	41.6	819
Higher	76.3	70.1	14.5	2,622	5.1	2,001	50.5	381
Wealth index quintile						5.7		
Poorest	57.6	55.1	6.3	2,614		1,505	8.6	165
Second	61.5	58.4	7.7	2,901	2.2	1,783	16.4	225
Middle	61.3	57.3	10.4	2,927	2.9	1,793	33.8	304
Fourth	65.7	60.2	13.0	3,202	4.0	2,104	38.9	417
Richest	73.6	67.3	16.7	3,539	5.3	2,604	48.1	589
Ethnicity of household head							6.2	
Hausa	55.3	52.6	6.1	6,958		3,848	12.6	424
Igbo	76.9	70.3	16.9	1,488	2.0	1,145	56.9	251
Yoruba	78.0	71.3	22.4	1,980	5.7	1,544	36.9	443
Other ethnic group	68.4	63.1	12.2	4,757	7.3	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

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:											
	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 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
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:											
	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 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
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:											
	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 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
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:											
	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 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
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:											
	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 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 men age 15-24 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**
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:											
	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 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 men age 15-24 who have heard of AIDS
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 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 men age 15-24 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:											
	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 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 men age 15-24 who have heard of AIDS
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:						
	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	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
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:						Percentage of women age 15-24 years who in the last 12 months had sex with:							
	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	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
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:						Percentage of women age 15-24 years who in the last 12 months had sex with:						
	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	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
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 before age 15[1]	Ever had sex	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
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:												
	Had sex before age 15[1]	Ever had sex	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
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:												
	Had sex before age 15[1]	Ever had sex	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
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

	Percentage of men age 15-24 years who:												
	Had sex before age 15[1]	Ever had sex	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
State												
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: During infancy	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25+ years	Missing/ Don't know	Total	Number of men age 15-49 years who have have been circumcised
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

			Age at circumcision:									
	Percent circumcised[1]	Number of men age 15-49 years	During infancy	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25+ years	Missing/ Don't know	Total	Number of men age 15-49 years who have been circumcised
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:								Place of circumcision:							
	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	Number of men age 15-49 years who have have been circumcised
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:							
	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	Number of men age 15-49 years who have have been circumcised
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 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:						
	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	Number of women age 15-49 years
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:						
	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	Number of women age 15-49 years
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:						
	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	Number of men age 15-49 years
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:						
	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	Number of men age 15-49 years
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:						
	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	Number of women age 15-24 years
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:						
	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	Number of women age 15-24 years
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 computers
[2] 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:						
	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	Number of men age 15-24 years
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:						
	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	Number of men age 15-24 years
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
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:									
	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	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
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:									
	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	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
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	1655	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

	Percentage of women age 15-24 years who are very or somewhat satisfied in selected domains:						Percentage of women age 15-24 years who:									
	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	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
State																
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:									
	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	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
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:									
	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	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
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:									
	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	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
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:									
	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	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
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			
	Improved during the last one year	Will get better after one year	Both[1]	Number of women age 15-24 years
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			
	Improved during the last one year	Will get better after one year	Both[1]	Number of women age 15-24 years
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

		Ever users				Users of tobacco products at any time during the last one month				
	Never smoked cigarettes or used other tobacco products	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]	Number of women age 15-49 years
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				
		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]	Number of men age 15-49 years
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					Number of women age 15-49 years who are current cigarette smokers
			Less than 5	5-9	10-19	20+	Total	
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					Number of men age 15-49 years who are current cigarette smokers
			Less than 5	5-9	10-19	20+	Total	
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					Number of men age 15-49 years who are current cigarette smokers
			Less than 5	5-9	10-19	20+	Total	
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:			
	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]	Number of women age 15-49 years
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:			
	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]	Number of women age 15-49 years
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:			
	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]	Number of men age 15-49 years
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:			
	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]	Number of men age 15-49 years
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:

$$n = \frac{4 * r * (1 - r) * \text{deff}}{(\text{RME x } r)^2 \text{ x pb x AveSize x RR}}$$

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:

$$p_{SLi} = \frac{n_{SL}}{N_{SL}} \times \frac{200 \times \left(\frac{N_{SL}}{n_{SL}}\right)}{\sum_{L \in S} N_{SL}} \times \frac{6}{20} \times \frac{m_{SLi}}{M'_{SLi}} = \frac{60}{N_S} \times \frac{m_{SLi}}{M'_{SLi}}$$

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:

$$p_{SDi} = \frac{n_{SL}}{N_{SL}} \times \frac{200 \times \left(\frac{N_{SL}}{n_{SL}}\right)}{\sum_{L \in S} N_{SL}} \times \frac{n'_{SD}}{n_{SD}} \times \frac{m_{SDi}}{M'_{SDi}} = \frac{200}{N_S} \times \frac{n'_{SD}}{n_{SD}} \times \frac{m_{SDi}}{M'_{SDi}}$$

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:

$$W_{fSLi} = W'_{SLi} \times \frac{f_S}{f'_S} \quad \text{or} \quad W_{fSDi} = W'_{SDi} \times \frac{f_{SD}}{f'_{SD}}$$

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:

$$W_{eSLi} = W'_{SLi} \times \frac{c_S}{c'_S} \quad \text{or} \quad W_{eSDi} = W'_{SDi} \times \frac{c_{SD}}{c'_{SD}}$$

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 ≈ 1 + (average respondents per cluster – 1) x 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. Maudo - 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
2 Fafunmi Elisha A.
3 Vincent Oriokpa
4 Kola Ogundiya
5 Kareem Bolakale A.
6 Shamsudeen Lawal
7 Abiola Arosanyin
8 Elutade Adeyeye
9 Bridget Ebhodaghe
10 Isah Stella
11 Paul Oshokumoboh
12 Sam-Fidelis Regina
13 Folorunsho Busari- DP Consultant

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 Olutundun M.	Trainer
Akinbusoye Caroline	Trainer
Umunna N. Christiana	Trainer
Akhidenor Lawrence O.	Trainer
Mercy E Mosugu	Technical Raporteur
Akindele Akinyemi	CAPI Manager
Kareem Sikirulahi Tolani	CAPI Manager
Babalola E. Ayodele	WQT Expert
Osude Olanrewaju	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

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

NORTH WEST

Samanja B. Maudo	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		NORTH CENTRAL	
Harry Simon B.	Coordinator	Adebisi Adebayo Tunde	Coordinator
Ameh Godwin Ejeh	Lead Trainer	Olise Ofili Patrick	Lead Trainer
Oladokun Taiwo	Trainer	Ejah Moses Ode	Trainer
Agada Nnenna	Trainer	Uzoaga Glory .A.	Trainer
Ekele Azubike	Trainer	Mbamo Peter E.	Trainer
Ezekiel C. Bala	Trainer	Akor Geofrey	Trainer
Elutade Akinloye A.	Trainer	Solademi Abigail Abosede	Trainer
Ihemebiri Calistus	Technical Rapoteur	Awogbade Ezekiel	Technical Rapoteur
Samuel Adakole Augustine	CAPI Manager	Ogidan Lucky Ayokunle	CAPI Manager
Kibba Daniel Musa	CAPI Manager	Rasheed Nasir Bukola	CAPI Manager
Ishak Danasabe Isah	WQT Expert	Abdulkadir Halimat .J.	WQT Expert
Abdullahi Abubakar Sule	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 Terlumun	Male	State Officer
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
Momodu Rabiat 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 Ojodomo	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 Iboro 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 Mustappha Wakili	Male	Interviewer

PLATEAU STATE

Wakili Ibrahim N.	Male	Zonal Controller
Danladi S. Adzento	Male	State Officer
Onwuzulumba Livinus	Male	Supervisor
Esther Dung Botson	Female	Interviewer
Amboson Dorothy J.L.	Female	Interviewer
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	Shehuram 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
Josephhine 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			**ZAMFARA STATE**		
Shehu Tambari	Male	State Officer	Hassan Haruna	Male	State Officer
Ahmad Dada Manga	Female	Supervisor	Garba Inuwa	Male	Supervisor
Theresa Danjumma	Female	Supervisor	Muh'd Z. Ibrahim	Male	Supervisor
Ojoawo Halima Oluwatoyin	Female	Measurer	Aisha Shuaibu	Female	Measurer
Mansurah Hamza	Female	Measurer	Fatima Muazu	Female	Measurer
Aisha Musa	Female	Interviewer	Larai H. Tanko	Female	Interviewer
Hannatu.A.Momoh	Female	Interviewer	Raymond Yohanna	Male	Interviewer
Zainab Abdullahi Ankah	Female	Interviewer	Dayyiba Isah Adamu	Female	Interviewer
Habiba Abdullahi	Female	Interviewer	Hafsat Tunau	Female	Interviewer
Suwaiba Inuwa	Female	Interviewer	Maryam Muhammed	Female	Interviewer
Samaila Muhammed	Male	Interviewer	Joshua Mariha Adamu	Female	Interviewer
Mustapha Umar	Male	Interviewer	Bannabas Charity	Female	Interviewer
Habiba Ahmed	Female	Interviewer	Jameel Usman Muhammad	Male	Interviewer

SOUTH EAST

ABIA STATE			**ANAMBRA STATE**		
Onwughalu Ngozi H.	Female	State Officer	Okafor Maryrose N.	Female	State Officer
Isaac Precious Chika	Female	Supervisor	Omeje Ifeoma E.	Female	Supervisor
Ndukwe Ifeanyi	Female	Supervisor	Edith O. Nwankwo	Female	Supervisor
Nnadede Christy C.	Female	Measurer	Ifeyinwa Ogechukwu	Female	Measurer
Erondu Chinwe	Female	Measurer	Oragwam Onyinye	Female	Measurer
Onwughalu Ebube	Female	Interviewer	Okafor Judith Chizoba	Female	Interviewer
Okoli Victoria	Female	Interviewer	Mary Chizitere Eweama	Female	Interviewer
Uduma Chinyere U.	Female	Interviewer	Okonkwo Ifeyinwa	Female	Interviewer
Madubuko Ijuolachi	Female	Interviewer	Ibebuike Chinenye Jecinta	Female	Interviewer
John Taye	Female	Interviewer	Izuchukwu Julita	Female	Interviewer
Chinyere Anuri	Female	Interviewer	Enekwenchi Peace	Female	Interviewer
Chukwuka Paschal O.	Female	Interviewer	Ajao Kayode	Male	Interviewer
Kalu Chukwuemeka	Male	Interviewer	Ejike Hyginus N.	Male	Interviewer
EBONYI STATE			**ENUGU STATE**		
Onyekachi F. C.	Male	State Officer	Efidi Edwin. C.	Male	Zonal Controller
Okoh Kate U.	Female	Supervisor	Umeh Reuben .U.	Male	State Officer
Onyekachi Dorathy N.	Female	Supervisor	Ugoh Maureen C.	Female	Supervisor
Sarah Uche E.	Female	Measurer	Nwobodo A. Nwakaego	Female	Supervisor
Agness Mathew	Female	Measurer	Ojumu Timi Edith	Female	Measurer
Ozioma Ejimaonu	Female	Interviewer	Chilaka Obiageri	Female	Measurer
Odiakpa Lovett	Female	Interviewer	Patience Ngozi Agu	Female	Interviewer
Ogbuzuru Maria N.	Female	Interviewer	Onwuodionu Maureen	Female	Interviewer
Jane Ajogbor N.	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	Eziefule 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

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

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

DELTA STATE

Agbebaku Sunday	Male	State Officer
Akpojaro E. Uyoyou	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
Gimba 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 STAE

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 Aderonke	Female	Interviewer
Okonji Oluyemisi 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 Odeseye	Male	State Officer
Moriliat A. Adewoye	Female	Supervisor
Kareem Tajudeen	Male	Interviewer
Olubiyi 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	IMeasurer
Adejumo Kehinde Onaolapo	Female	Interviewer	Solademi Opeyemi Comfort	Female	Interviewer

OYO STATE			**OYO STATE**		
Odunlami Ebenezer Oluwanbe	Male	Zonal Controller	Taiwo Elizabeth .I.	Female	Measurer
Olugbode Morufu Adeoye	Male	State Officer	Buhari Kemi	Female	Measurer
Adejumo Elizabeth Temilade	Female	Supervisor	Yekeen Nurudeen A.	Male	Interviewer
Onawale Mojisola .O.	Female	Supervisor	Yusuf Taibat Oyeronke	Female	Interviewer
Osidele Adesola	Female	Interviewer	Adigun Abiodun Nohimot	Female	Interviewer
Adeniji Folasade	Female	Interviewer	Adeniran Shifau Adebukola	Female	Interviewer
Adeniran Afeez .A.	Male	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 CMRJack[17] 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.fafo.no/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 households 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 (*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	0.6413	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

na: not applicable

Table SE.3: Sampling errors: Urban

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	0.8288	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: Rural

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	0.5459	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 (*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	0.8349	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	Confidence limits: 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

na: not applicable

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

na: not applicable

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	Confidence limits: 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	Confidence limits: 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

na: not applicable

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

na: not applicable

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

na: not applicable

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	Confidence limits: 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

na: not applicable

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

na: not applicable

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	68	113
Under five mortality rate	1.5	4.1	162	14.990	0.093	na	na		na	132	192
Adolescent birth rate	5.1	5.4	181	18.817	0.104	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

na: not applicable

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

na: not applicable

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	Confidence limits: 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

na: not applicable

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	Confidence limits: 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

na: not applicable

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	Confidence limits: 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

na: not applicable

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

na: not applicable

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

na: not applicable

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

na: not applicable

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

na: not applicable

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

na: not applicable

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	Confidence limits: 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	34.109	93.140
Under five mortality rate	1.5	4.1	105.46	18.9655964	0.17983273	na	na		na	67.531	143.394
Adolescent birth rate	5.1	5.4	81.4405	14.6254	0.180	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	Confidence limits: 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	Confidence limits: 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			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

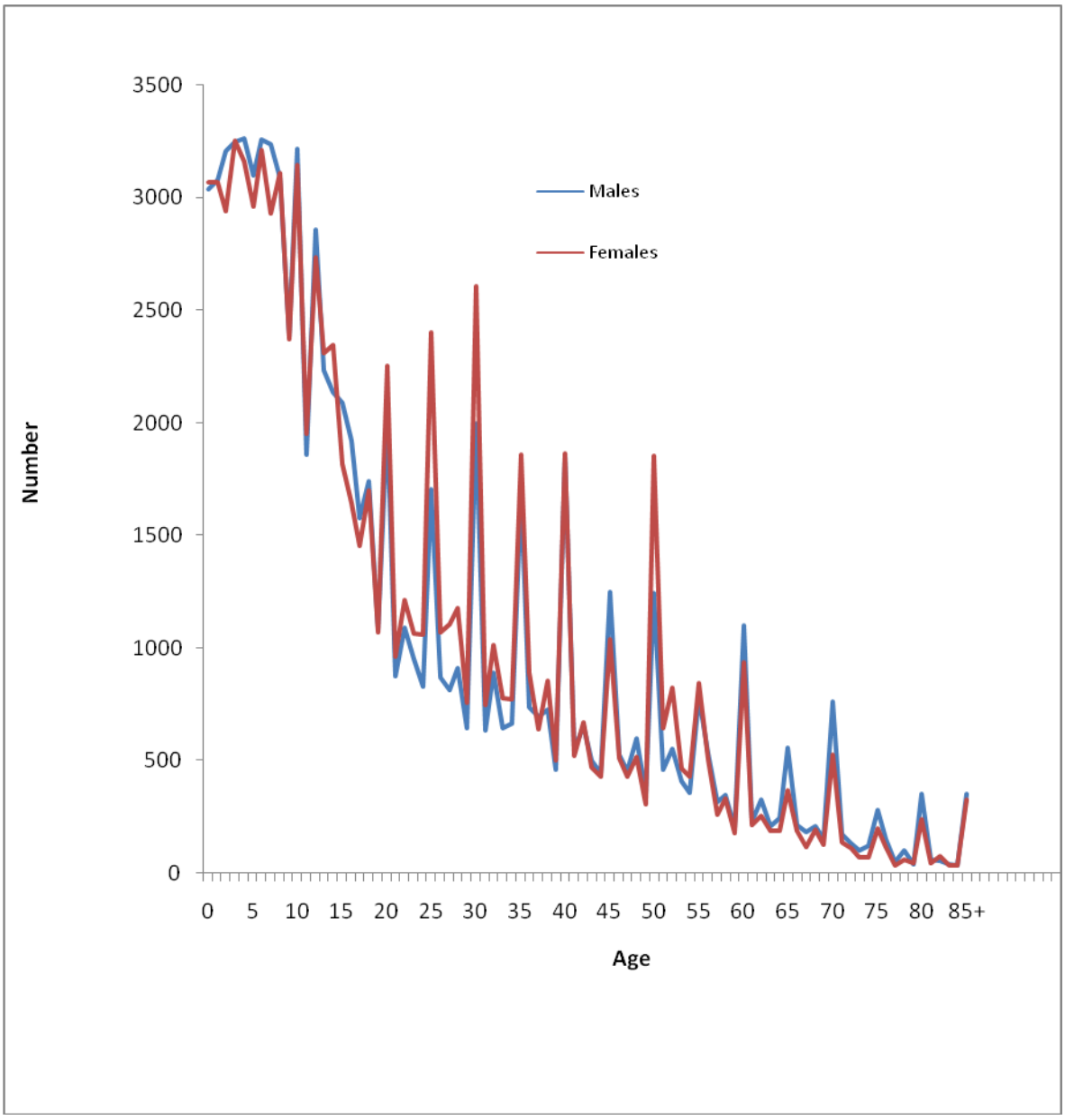


Table DQ.2: Age distribution of eligible and interviewed women

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

	Household population of women age 10-54 years	Interviewed women age 15-49 years		Percentage of eligible women interviewed (Completion rate)
	Number	Number	Percent	
Age				
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

	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	Number	Number	Percent	
Age					
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

	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	
Age				
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					
	Year and month of birth	Year of birth only	Month of birth only	Both missing	Total	Number of household members
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						
	Year and month of birth	Year of birth and age	Year of birth only	Age only	Other/Don't know/Missing	Total	Number of women age 15-49 years
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						
	Year and month of birth	Year of birth and age	Year of birth only	Age only	Othe /Missing Don't know	Total	Number of men age 15-49 years
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						
	Year and month of birth	Year of birth and age	Year of birth only	Age only	Other/Don't know/Missing	Total	Number of under-5 children
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					
	Year and month of birth	Year of birth only	Month of birth only	Both missing	Total	Number of children, adolescents and young people age 5-24 years
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						
	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	Percent of children excluded from analysis	Number of children under 5
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	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					
	Seen by the interviewer (1)	Not seen by the interviewer (2)	Missing/ Don't know	Total	Percentage of vaccination cards seen by the interviewer (1)/(1+2)*100	Number of children age 0-35 months
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 has health card						
	Woman does not have health card	Seen by the interviewer (1)	Not seen by the interviewer (2)	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
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					Number of households interviewed
				Not observed				
			Observed	Not in the dwelling, plot or yard	No permission to see	Other reason	Total	
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 not in the household and primary caretaker identified:				
	Mother in the household	Father	Other adult female	Other adult male	Total	Number of children under 5
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 and grade attended in the current (or most recent) school year, Nigeria, 2016-17

		Currently attending																
			Primary school Grade						Secondary school Grade									
	Not attending school	Preschool	1	2	3	4	5	6	1	2	3	4	5	6	Higher than secondary	Non-formal	Missing/ Don't know	Total	Number of household members
Age at beginning of school year																			
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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			
	Sons	Daugthers	Sex ratio at birth	Sons	Daugthers	Sex ratio	Sons	Daugthers	Sex ratio	Number of women
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
	0–4	5–9	10–14	15–19	(0–19)
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 theirlast 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 yearswho 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 yearsweighing 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 ofmost 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	Haemophilusinfluenzae 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 last2 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 withARI 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	Householdvector 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 5who 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 wasdelivered 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 yearswho 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 ofplaythings	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 secondaryschool 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 yearsof 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 biologicalparents 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 biologicalparent 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 womenage 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 monthsand 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 yearsand 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 whohad 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-cohabiting sex partner in the last 12 months	Total number of women age 15-24 years who had sex with a non-marital, non-cohabiting 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 improvedduring 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

MICS

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: Urban .....1 Rural 2
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? Yes .....1 No.....2

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?

☐ *Yes, permission is given ⇨ Go to HH18 to record the time and then begin the interview.*
☐ *No, permission is not given ⇨ Circle 04 in HH9. Discuss this result with your supervisor.*

HH9. Result of household interview:

Completed 01
No household member or no competent respondent at home at time of visit.....02
Entire household absent for extended period of time 03
Refused.....04
Dwelling vacant / Address not a dwelling 05
Dwelling destroyed 06
Dwelling not found 07
Partially Completed.....08
Other (*specify*).....96

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.

								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 RELATION-SHIP OF (*name*) TO THE HEAD OF HOUSE-HOLD?	**HL4**. IS (*name*) MALE OR FEMALE? 1 Male 2 Female	**HL5**. WHAT IS (*name*)'S DATE OF BIRTH? 98 DK 9998 DK		**HL6**. HOW OLD IS (*name*)? *Record in completed years.* *If age is 95 or above, record '95'.*	**HL6A.** DID (*name*) STAY HERE LAST NIGHT? 1 Yes 2 No	**HL7**. *Circle line no. if woman age* **15-49**.	**HL7A**. *Circle line no. if man age* **15-49** *and the house-hold is selected for Question-naire for Men.*	**HL7B**. *Circle line no. if age* **0-4**.	**HL11**. IS (*name*)'S NATURAL MOTHER ALIVE? 1 Yes 2 No ⇘ HL13 8 DK ⇘ HL13	**HL12**. DOES (*name*)'S NATURAL MOTHER LIVE IN THIS HOUSE-HOLD? *If "Yes", record line no. of mother and go to HL13.* *If "No", record 00.*	**HL12A**. WHERE DOES (*name*)'S NATURAL MOTHER LIVE? 1 In another household in this country 2 Institution in this country 3 Abroad 8 DK	**HL13**. IS (*name*)'S NATURAL FATHER ALIVE? 1 Yes 2 No ⇘ HL15 8 DK ⇘ HL15	**HL14**. DOES (*name*)'S NATURAL FATHER LIVE IN THIS HOUSE-HOLD? *If "Yes", record line no. of father and go to HL15.* *If "No", record 00.*	**HL14A**. WHERE DOES (*name*)'S NATURAL FATHER LIVE? 1 In another household in this country 2 Institution in this country 3 Abroad 8 DK	**HL15**. *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		Mother
01		**0 1**	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 RELATION-SHIP OF (*name*) TO THE HEAD OF HOUSE-HOLD?	**HL4**. IS (*name*) MALE OR FEMALE? 1 Male 2 Female	**HL5**. WHAT IS (*name*)'S DATE OF BIRTH? 98 DK 9998 DK		**HL6**. HOW OLD IS (*name*)? *Record in completed years. If age is 95 or above, record '95'.*	**HL6A.** DID (*name*) STAY HERE LAST NIGHT? 1 Yes 2 No	**HL7**. *Circle line no. if woman age* **15-49**.	**HL7A**. *Circle line no. if man age* **15-49** *and the house-hold is selected for Question-naire for Men.*	**HL7B**. *Circle line no. if age* **0-4**.	**HL11**. IS (*name*)'S NATURAL MOTHER ALIVE? 1 Yes 2 No⇘ HL13 8 DK⇘ HL13	**HL12**. DOES (*name*)'S NATURAL MOTHER LIVE IN THIS HOUSE-HOLD? *If "Yes", record line no. of mother and go to HL13. If "No", record 00.*	**HL12A**. WHERE DOES (*name*)'S NATURAL MOTHER LIVE? 1 In another household in this country 2 Institution in this country 3 Abroad 8 DK	**HL13**. IS (*name*)'S NATURAL FATHER ALIVE? 1 Yes 2 No⇘ HL15 8 DK⇘ HL15	**HL14**. DOES (*name*)'S NATURAL FATHER LIVE IN THIS HOUSE-HOLD? *If "Yes", record line no. of father and go to HL15. If "No", record 00.*	**HL14A**. WHERE DOES (*name*)'S NATURAL FATHER LIVE? 1 In another household in this country 2 Institution in this country 3 Abroad 8 DK	**HL15**. *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		Mother
11		___ ___	1	2	__ __	__ __ __ __	__ __	1 2	11	11	11	1 2 8	___ ___	1 2 3 8	1 2 8	___ ___	1 2 3 8	___ ___
12		___ ___	1	2	__ __	__ __ __ __	__ __	1 2	12	12	12	1 2 8	___ ___	1 2 3 8	1 2 8	___ ___	1 2 3 8	___ ___
13		___ ___	1	2	__ __	__ __ __ __	__ __	1 2	13	13	13	1 2 8	___ ___	1 2 3 8	1 2 8	___ ___	1 2 3 8	___ ___
14		___ ___	1	2	__ __	__ __ __ __	__ __	1 2	14	14	14	1 2 8	___ ___	1 2 3 8	1 2 8	___ ___	1 2 3 8	___ ___
15		___ ___	1	2	__ __	__ __ __ __	__ __	1 2	15	15	15	1 2 8	___ ___	1 2 3 8	1 2 8	___ ___	1 2 3 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
02 Spouse / Partner
03 Son / Daughter
04 Son-In-Law / Daughter-In-Law
05 Grandchild
06 Parent
07 Parent-In-Law
08 Brother / Sister
09 Brother-In-Law / Sister-In-Law
10 Uncle / Aunt
11 Niece / Nephew
12 Other relative
13 Adopted / Foster/ Stepchild
14 Servant (Live-in)
96 Other (Not related)
98 DK

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**. HAS (*name*) EVER ATTENDED SCHOOL, PRE-SCHO.OL, OR NON-FORMAL EDUCATION? 1 Yes 2 No ↘ Next Line		**ED4A**. 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.*	**ED4B**. WHAT IS THE HIGHEST GRADE (*name*) COMPLETED AT THIS LEVEL? Grade: See footnote for Grade codes 98 DK	**ED5**. 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		**ED6**. 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.*	**ED6**. Grade: See footnote for Grade codes 98 DK	**ED7**. 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			**ED8**. 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.*	**ED8**. 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	**Primary**		**Secondary (or Secondary Technical)**		**Higher**	
Never completed Nursery 1 (only if ED4B)……..00	Never completed Primary 1 (only if ED4B)..... 10		Never Completed JSS 1 (only if ED4B) 20	SS1/ T1……24	Never completed NCE, AL, OND, Higher Technical , HND, BSc. (only if ED4B)..... 30	Higher Technical/TTC….33
Nursery 1 ……01	Primary 1 11	Primary 4……..14	JSS 1 21	SS 2/ T2……..25	NCE.....31	HND……..34
Nursery 2……02	Primary 2 12	Primary 5……..15	JSS 2 22	SS 3/T3……26	AL/OND.....32	BSc……35
Nursery 3……03	Primary 3 13	Primary 6……..16	JSS 3 23			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. *Rank number*	**SL4**. *Line Number from HL1*	**SL5**. *Name from HL2*	**SL6**. *Sex from HL4*	**SL7**. *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? [B] DID (*name*) HELP IN FAMILY BUSINESS OR RELATIVE'S BUSINESS WITH OR WITHOUT PAY, OR RUN HIS/HER OWN BUSINESS? [C] DID (*name*) PRODUCE OR SELL ARTICLES, HANDICRAFTS, CLOTHES, FOOD OR AGRICULTURAL PRODUCTS? [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? *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.	Yes No Worked on plot / farm / food garden / looked after animals 1 2 Helped in family / relative's business/ran own business 1 2 Produce / sell articles / handicrafts / clothes / food or agricultural products 1 2 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? *If less than one hour, record "00"*	Number of hours — —	
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	

CL7. HOW WOULD YOU DESCRIBE THE WORK ENVIRONMENT OF (*name*)?		
[A] IS (*name*) EXPOSED TO DUST, FUMES OR GAS?	Yes ..... 1 No 2	
[B] IS (*name*) EXPOSED TO EXTREME COLD, HEAT OR HUMIDITY?	Yes..... 1 No 2	
[C] IS (*name*) EXPOSED TO LOUD NOISE OR VIBRATION?	Yes..... 1 No 2	
[D] IS (*name*) REQUIRED TO WORK AT HEIGHTS?	Yes..... 1 No 2	
[E] IS (*name*) REQUIRED TO WORK WITH CHEMICALS (PESTICIDES, GLUES, ETC.) OR EXPLOSIVES?	Yes..... 1 No 2	
[F] IS (*name*) EXPOSED TO OTHER THINGS, PROCESSES OR CONDITIONS BAD FOR (*name*)'S HEALTH OR SAFETY?	Yes..... 1 No 2	
CL8. SINCE LAST (*day of the week*), DID (*name*) FETCH WATER OR COLLECT FIREWOOD FOR HOUSEHOLD USE?	Yes..... 1 No 2	2⇨ CL10
CL9. IN TOTAL, HOW MANY HOURS DID (*name*) SPEND ON FETCHING WATER OR COLLECTING FIREWOOD FOR HOUSEHOLD USE, SINCE LAST (*day of the week*)? *If less than one hour, record "00"*	Number of hours __ __	
CL10. SINCE LAST (*day of the week*), DID (*name*) DO ANY OF THE FOLLOWING FOR THIS HOUSEHOLD?	Yes No	
[A] SHOPPING FOR HOUSEHOLD?	Shopping for household 1 2	
[B] REPAIR ANY HOUSEHOLD EQUIPMENT?	Repair household equipment 1 2	
[C] COOKING OR CLEANING UTENSILS OR THE HOUSE?	Cooking / cleaning utensils /house 1 2	
[D] WASHING CLOTHES?	Washing clothes 1 2	
[E] CARING FOR CHILDREN?	Caring for children 1 2	
[F] CARING FOR THE OLD OR SICK?	Caring for old / sick 1 2	
[G] OTHER HOUSEHOLD TASKS?	Other household tasks 1 2	
CL11. *Check CL10, A to G* ☐ *There is at least one 'Yes' ⇨ Continue with CL12* ☐ *All answers are 'No' ⇨ Go to Next Module*		
CL12. SINCE LAST (*day of the week*), ABOUT HOW MANY HOURS DID (*name*) ENGAGE IN THIS ACTIVITY/THESE ACTIVITIES, IN TOTAL? *If less than one hour, record "00"*	Number of hours __ __	

CHILD DISCIPLINE		CD
CD1. *Check selected child's age from SL9:* ☐ *1-14 years ⇨ Continue with CD2* ☐ *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.	Yes No	
[A] TOOK AWAY PRIVILEGES, FORBADE SOMETHING (*name*) LIKED OR DID NOT ALLOW HIM/HER TO LEAVE THE HOUSE.	Took away privileges…… 1 2	
[B] EXPLAINED WHY (*name*)'S BEHAVIOUR WAS WRONG.	Explained wrong behavi……. 1 2	
[C] SHOOK HIM/HER.	Shook him/her …….. 1 2	
[D] SHOUTED, YELLED AT OR SCREAMED AT HIM/HER.	Shouted, yelled, screamed ……..…….. 1 2	
[E] GAVE HIM/HER SOMETHING ELSE TO DO.	Gave something else to do …….. 1 2	
[F] SPANKED, HIT OR SLAPPED HIM/HER ON THE BOTTOM WITH BARE HAND.	Spanked, hit, slapped on bottom with bare hand …1 2	
[G] HIT HIM/HER ON THE BOTTOM OR ELSEWHERE ON THE BODY WITH SOMETHING LIKE A BELT, HAIRBRUSH, STICK OR OTHER HARD OBJECT.	Hit with belt, hairbrush, stick, or other hard object 1 2	
[H] CALLED HIM/HER DUMB, LAZY, OR ANOTHER NAME LIKE THAT.	Called dumb, lazy, or another name …….. 1 2	
[I] HIT OR SLAPPED HIM/HER ON THE FACE, HEAD OR EARS.	Hit / slapped on the face, head or ears ……. 1 2	
[J] HIT OR SLAPPED HIM/HER ON THE HAND, ARM, OR LEG.	Hit / slapped on hand, arm or leg ……. 1 2	
[K] BEAT HIM/HER UP, THAT IS HIT HIM/HER OVER AND OVER AS HARD AS ONE COULD.	Beat up, hit over and over as hard as one could .1 2	
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 (*specify*) ..... 6 No religion 7	
HC1B. WHAT IS THE MOTHER TONGUE/NATIVE LANGUAGE OF THE HEAD OF THIS HOUSEHOLD?	Language __ __ __ Other language (*specify*) 996	
HC1C. TO WHAT ETHNIC GROUP DOES THE HEAD OF THIS HOUSEHOLD BELONG?	Hausa ..... 1 Igbo..... 2 Yoruba ..... 3 Other ethnic group (*specify*) 996	
HC2. HOW MANY ROOMS IN THIS HOUSEHOLD ARE USED FOR SLEEPING?	Number of rooms __ __	
HC3. *Main material of the dwelling floor.* *Record observation.*	**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 (*specify*) 96	
HC4. *Main material of the roof.* *Record observation.*	**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 (*specify*)..... 96	

HC5. *Main material of the exterior walls.* *Record observation.*	**Natural walls** No walls…… 11 Cane / Palm / Trunks / Thatch ……. 12 Dirt / Earth…… 13 **Rudimentary walls** Bamboo with mud …….. 21 Stone with mud…… 22 Uncovered adobe/Mud brick…….. 23 Plywood …… 24 Cardboard …… 25 Reused wood …… 26 **Finished walls** Cement…… 31 Stone with lime / cement …….. 32 Bricks…… 33 Cement blocks…….. 34 Covered adobe…… 35 Wood planks / shingles……. 36 Other (*specify*)…….. 96	
HC6. WHAT TYPE OF FUEL DOES YOUR HOUSEHOLD MAINLY USE FOR COOKING?	Electricity …….. 01 Liquefied Petroleum Gas (LPG) cylinder.. 02 Biogas…… 04 Kerosene …….. 05 Coal / Lignite…….. 06 Charcoal …….. 07 Wood…….. 08 Straw / Shrubs / Grass…… 09 Animal dung …….. 10 Agricultural crop residue…… 11 No food cooked in household……..... 95 Other (*specify*)_____ 96	01⇨HC8 02⇨HC8 04⇨HC8 05⇨HC8 95⇨HC8
HC7. IS THE COOKING USUALLY DONE IN THE HOUSE, IN A SEPARATE BUILDING, OR OUTDOORS? *If 'In the house', probe*: IS IT DONE IN A SEPARATE ROOM USED AS A KITCHEN?	In the house In a separate room used as kitchen…… 1 Elsewhere in the house…… 2 In a separate building…… 3 Outdoors …… 4 Other (*specify*)_____ 6	

C8. DOES YOUR HOUSEHOLD HAVE:		Yes No	
[A]	ELECTRICITY?	Electricity 1 2	
[B]	A RADIO?	Radio 1 2	
[C]	A TELEVISION?	Television 1 2	
[D]	A NON-MOBILE TELEPHONE?	Non-mobile telephone 1 2	
[E]	A REFRIGERATOR?	Refrigerator 1 2	
[F]	A VCR, VCD, DVD	VCR, VCD, DVD 1 2	
[G]	A SEWING MACHINE	Sewing machine 1 2	
[H]	A CLOCK	Clock 1 2	
[I]	A GENERATOR	Generator 1 2	
[J]	A COMPUTER	Computer 1 2	
[K]	A WATER HEATER	Water heater 1 2	
[L]	A FAN	Fan 1 2	
[M]	AN AIR CONDITIONER	Air conditioner 1 2	
[N]	A BLENDER/MIXER/FOOD PROCESSOR	Blender/Mixer/Food processo 1 2	
[O]	A MANUFACTURED BED	Manufactured bed 1 2	
[P]	A CUSHIONED CHAIR	Cushioned chair 1 2	
C9. DOES ANY MEMBER OF YOUR HOUSEHOLD OWN:			
		Yes No	
[A]	A WATCH?	Watch 1 2	
[B]	A MOBILE TELEPHONE?	Mobile telephone 1 2	
[C]	A BICYCLE?	Bicycle 1 2	
[D]	A MOTORCYCLE OR SCOOTER?	Motorcycle / Scooter 1 2	
[E]	AN ANIMAL-DRAWN CART?	Animal-drawn cart 1 2	
[F]	A CAR OR TRUCK?	Car / Truck 1 2	
[G]	A BOAT WITH A MOTOR?	Boat with motor 1 2	
[H]	A TRICYCLE (KEKE NAPEP)	Tricycle (Keke Napep) 1 2	
C10. DO YOU OR SOMEONE LIVING IN THIS HOUSEHOLD OWN THIS DWELLING? *If "No", then ask:* DO YOU RENT THIS DWELLING FROM SOMEONE NOT LIVING IN THIS HOUSEHOLD? *If "Rented from someone else", circle "2". For other responses, circle "6".*		Own 1 Rent 2 Other (*specify)* _____ 6	
C11. DOES ANY MEMBER OF THIS HOUSEHOLD OWN ANY LAND THAT CAN BE USED FOR AGRICULTURE?		Yes 1 No 2	2⇨HC13
C12. HOW MANY PLOTS, ACRES OR HECTARES OF AGRICULTURAL LAND DO MEMBERS OF THIS HOUSEHOLD OWN? *If less than 1, record "00". If 95 or more, record "95". If unknown, record "98".*		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?	Cattle, milk cows, or bulls	___ ___	
[B] HORSES, DONKEYS, OR MULES?	Horses, donkeys, or mules	___ ___	
[C] GOATS?	Goats	___ ___	
[D] SHEEP?	Sheep	___ ___	
[E] CHICKEN?	Chicken	___ ___	
[F] PIGS?	Pigs	___ ___	
[G] CAMELS	Camels	___ ___	
[H] DUCKS	Ducks.....	___ ___	
[I] GEESE	Geese	___ ___	
[J] QUAIL	Quail	___ ___	
[K] CULTURED FISH	Cultured Fish	___ ___	
If none, record "00". If 95 or more, record "95". *If unknown, record "98".*			
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 No 2	2⇨Next Module
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).*		

	1st Net	2nd Net	3rd 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.* *If brand is unknown and you cannot observe the net, show pictures of typical net types/brands to respondent.*	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? *If less than one month, record "00".*	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*	☐ *Long-lasting* ⇨ *TN11* ☐ *Pre-treated* ⇨ *TN9* ☐ *Else⇨ Continue*	☐ *Long-lasting* ⇨ *TN11* ☐ *Pre-treated* ⇨ *TN9* ☐ *Else⇨ Continue*	☐ *Long-lasting* ⇨ *TN11* ☐ *Pre-treated* ⇨ *TN9* ☐ *Else⇨ Continue*
TN8. WHEN YOU GOT THE NET, WAS IT ALREADY TREATED WITH AN INSECTICIDE TO KILL OR REPEL MOSQUITOES?	Yes.....1 No2 DK / Not sure.....8	Yes..... 1 No2 DK / Not sure..... 8	Yes ..... 1 No2 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 No2 ⇨ TN11 DK / Not sure.....8 ⇨ TN11	Yes..... 1 No2 ⇨ TN11 DK / Not sure..... 8 ⇨ TN11	Yes ..... 1 No2 ⇨ TN11 DK / Not sure ..... 8 ⇨ TN11

TN10. HOW MANY MONTHS AGO WAS THE NET LAST SOAKED OR DIPPED? *If less than one month, record "00".*	Months ago .....___ ___ More than 24 mo. ago .....95 DK / Not sure.....98	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? *Record the person's line number from the List of Household Members.* *If someone not in the List of Household Members slept under the mosquito net, record "00".*	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.	*Go back to TN4 for next net. If no more nets, go to next module.*	*Go back to TN4 for next net. If no more nets, go to next module.*	*Go back to TN4 in first column of a new questionnaire for next net. If no more nets, go to next module.*
			Tick here if additional questionnaire used. ☐

WATER AND SANITATION			WS
WS1. WHAT IS THE MAIN SOURCE OF DRINKING WATER FOR MEMBERS OF YOUR HOUSEHOLD?	**Piped water**		
	Piped into dwelling……..	11	11⇨WS6
	Piped into compound, yard or plot……	12	12⇨WS6
	Piped to neighbour……..	13	13⇨WS6
	Public tap / standpipe…….	14	14⇨WS3
	Tube Well, Borehole……	21	21⇨WS3
	Dug well		
	Protected well……..	31	31⇨WS3
	Unprotected well ……	32	32⇨WS3
	Water from spring		
	Protected spring ……	41	41⇨WS3
	Unprotected spring……	42	42⇨WS3
	Rainwater collection ……	51	51⇨WS3
	Tanker-truck……..	61	61⇨WS3
	Cart with small tank / drum……	71	71⇨WS3
	Surface water (river, stream, dam, lake, pond, canal, irrigation channel)……	81	81⇨WS3
	Bottled water……	91	
	Sachet (pure) water ……	92	
	Other (*specify*)_____	96	96⇨WS3
WS2. WHAT IS THE MAIN SOURCE OF WATER USED BY YOUR HOUSEHOLD FOR OTHER PURPOSES SUCH AS COOKING AND HAND WASHING?	**Piped water**		
	Piped into dwelling……..	11	11⇨WS6
	Piped into compound, yard or plot……	12	12⇨WS6
	Piped to neighbour……..	13	13⇨WS6
	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 (*specify*)_____	96	
WS3. WHERE IS THAT WATER SOURCE LOCATED?	In own dwelling……	1	1⇨WS5A
	In own yard / plot……..	2	2⇨WS5A
	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?	Adult woman (age 15+ years) ……..	1	
	Adult man (age 15+ years)……	2	
	Female child (under 15)……..	3	
Probe: IS THIS PERSON UNDER AGE 15? WHAT SEX?	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? *Probe:* ANYTHING ELSE? *Record all items mentioned.*	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 (*specify*)…… 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? *If "flush" or "pour flush", probe:* WHERE DOES IT FLUSH TO? *If not possible to determine, ask permission to observe the facility.*	**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 (*specify*)_____ 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 MOST OFTEN 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
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? *Once you have tested the salt, circle number that corresponds to test outcome.*	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

MICS

HOUSEHOLD WATER QUALITY QUESTIONNAIRE

Multiple Indicator Cluster Survey, Nigeria 2016

HOUSEHOLD INFORMATION PANEL	**HH**
This questionnaire form is to be used for households that have been selected for water quality testing.	
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 WS1of the Household questionnaire* _____ Main source of drinking water for household

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?

☐ *YES, PERMISSION IS GIVEN ⇨ GO TO WQ3.*

☐ *NO, PERMISSION IS NOT GIVEN ⇨ CIRCLE 02 IN WQ2. THE MODULE IS COMPLETE. DISCUSS THIS RESULT WITH YOUR SUPERVISOR.*

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 (*specify*)..... X DK……. Z	
WQ6. *Perform household water test* *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.*	Household water test conducted …… 1 Household water test not conducted ……. 2	
WQ8. EARLIER, YOU TOLD US THE MAIN SOURCE OF DRINKING WATER FOR MEMBERS FOR YOUR HOUSEHOLD WAS _____. IS THIS GLASS OF WATER FROM THAT SOURCE? *Refer to the answer provided for Question WS1*	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? *If 'no' probe to find out why this is not possible? Thank the respondent. The module is complete.*	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 (*specify*) 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 (*specify*) _____ 96	

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? *If 'no' probe to find out why this is not possible? Thank the respondent. The module is complete.*	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 (*specify*) _____ 6	1 ⇨ WGP0 2-6 ⇨ WQ13

WGP0 *Ensure that the below position checklist is followed before recording reading (WGP1-WGP2) to the form:*
☐ *Checked estimated accuracy of reading to at least ± 5 meters*
☐ *Reading made at the water source*

WATER SOURCE GPS LOCATION:	**Degrees Decimal degrees**	
WGP1. LATITUDE:	___ ___ ___ . ___ ___ ___ ___ ___	
WGP2. LONGITUDE:	___ ___ ___ . ___ ___ ___ ___ ___	
WQ12. *Perform source water test* *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.* *Record whether test was conducted.*	Source water test conducted …… 1 Source water test not conducted …… 2	
WQ13. *Check WQ1* ☐ *Household was selected for blank water testing ⇨ WQ14* ☐ *Household was not selected for blank water testing ⇨ Thank the respondent. The module is complete.*		
WQ14: *Perform blank water test* *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.* *Record whether test was conducted.*	Blank water test conducted …… 1 Blank water test not conducted …… 2	
Thank the respondent. The module is complete.		

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 <u>Household</u> 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

QUESTIONNAIRE FOR INDIVIDUAL WOMEN

Multiple Indicator Cluster Survey, Nigeria 2016

WOMAN'S INFORMATION PANEL	**WM**
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.	
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

Repeat greeting if not already read to this woman: 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.	*If greeting at the beginning of the household questionnaire has already been read to this woman, then read the following:* 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.
MAY I START NOW? ☐ *Yes, permission is given* ⇨ *Go to WM10 to record the time and then begin the interview.* ☐ *No, permission is not given* ⇨ *Circle "03" in WM7. Discuss this result with your supervisor.*	

WM7. Result of woman's interview	Completed.....01 Not at home.....02 Refused.....03 Partly completed.....04 Incapacitated.....05 Other (*specify*)_____ 96

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? *Probe:* HOW OLD WERE YOU AT YOUR LAST BIRTHDAY? *Compare and correct WB1 and/or WB2 if inconsistent.*	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:* ☐ *Secondary or higher (WB4=2 or 3) ⇨ Go to Next Module.* ☐ *Preschool or primary or non-formal (WB4= 0 or 1 or 4) ⇨ Continue with WB7.*		
WB7. NOW I WOULD LIKE YOU TO READ THIS SENTENCE TO ME. *Show sentence on the card to the respondent.* *If respondent cannot read whole sentence, probe:* 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 *(specify language)* Blind / visually impaired……. 5	

Codes for Grades in WB5.			
Preschool	**Primary**	**Secondary or (Secondary Technical)**	**Higher**
Never completed 00 Nursery 1 ..... 01 Nursery 2 ..... 02 Nursery 3 03	Never completed Primary 1. ..... 10 Primary 1 ..... 11 Primary 2 ..... 12 Primary 3 ..... 13 Primary 4 ..... 14 Primary 5 ..... 15 Primary 6 16	Never completed JSS 1 ..... 20 JSS 1..... 21 JSS 2 ..... 22 JSS 3 ..... 23 SS 1/T1 ..... 24 SS 2/T2 ..... 25 SS 3/T3 26	Never completed NCE, AL, OND, Technical, HND, BSc ..... 30 NCE ..... 31 AL/OND ..... 32 Higher Technical/TTC ..... 33 HND ..... 34 BSc ..... 35 Post Graduate 36

ACCESS TO MASS MEDIA AND USE OF INFORMATION/COMMUNICATION TECHNOLOGY		MT
MT1. *Check WB7:* ☐ *Question left blank (Respondent has secondary or higher education) ⇨ Continue with MT2.* ☐ *Able to read or no sentence in required language (WB7 = 2, 3 or 4) ⇨ Continue with MT2.* ☐ *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?* ☐ *Age 15-24 ⇨ Continue with MT6.* ☐ *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? *If necessary, probe for use from any location, with any device.*	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? *If none, record "00".*	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? *If none, record "00".*	Sons elsewhere __ __ Daughters elsewhere __ __	
CM8. HAVE YOU EVER GIVEN BIRTH TO A BOY OR GIRL WHO WAS BORN ALIVE BUT LATER DIED? *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?	Yes…….. 1 No …….. 2	2⇨CM10
CM9. HOW MANY BOYS HAVE DIED? HOW MANY GIRLS HAVE DIED? *If none, record "00".*	Boys dead __ __ Girls dead __ __	
CM10. *Sum answers to CM5, CM7, and CM9.*	Sum __ __	

CM11. JUST TO MAKE SURE THAT I HAVE THIS RIGHT, YOU HAVE HAD IN TOTAL (*total number in CM10*) LIVE BIRTHS DURING YOUR LIFE. IS THIS CORRECT?

☐*Yes. Check below:*

☐*No live births ⇨ Go to ILLNESS SYMPTOMS Module.*

☐*One or more live births ⇨ Continue with the BIRTH HISTORY module.*

☐*No. ⇨ Check responses to CM1-CM10 and make corrections as necessary before proceeding to the BIRTH HISTORY Module or ILLNESS SYMPTOMS Module.*

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? 1 Single 2 Multiple		**BH3**. IS (*name*) A BOY OR A GIRL? 1 Boy 2 Girl		**BH4**. IN WHAT MONTH AND YEAR WAS (*name*) BORN? *Probe*: WHAT IS HIS/HER BIRTHDAY?		**BH5**. IS (*name*) STILL ALIVE? 1 Yes 2 No		**BH6**. HOW OLD WAS (*name*) AT HIS/HER LAST BIRTHDAY? *Record age in completed years.*	**BH7**. IS (*name*) LIVING WITH YOU? 1 Yes 2 No		**BH8**. *Record household line number of child (from HL1)* *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 Yes 2 No	
		S	M	B	G	Month	Year	Y	N	Age	Y	N	Line No	Unit	Number	Y	N
01		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ Next Line	Days.....1 Months .....2 Years.....3	___ ___		
02		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 Next Birth
03		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 Next Birth
04		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 Next Birth
05		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 Next Birth
06		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 Next Birth
07		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 Next Birth

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? 1 Single 2 Multiple		**BH3**. IS (*name*) A BOY OR A GIRL? 1 Boy 2 Girl		**BH4**. IN WHAT MONTH AND YEAR WAS (*name*) BORN? *Probe*: WHAT IS HIS/HER BIRTHDAY?		**BH5**. IS (*name*) STILL ALIVE? 1 Yes 2 No		**BH6**. HOW OLD WAS (*name*) AT HIS/HER LAST BIRTHDAY? *Record age in completed years.*	**BH7**. IS (*name*) LIVING WITH YOU? 1 Yes 2 No		**BH8**. *Record household line number of child (from HL1) 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 Yes 2 No	
		S	M	B	G	Month	Year	Y	N	Age	Y	N	Line No	Unit	Number	Y	N
08		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 Next Birth
09		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 Next Birth
10		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 Next Birth
11		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 Next Birth
12		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 Next Birth
13		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 Next Birth
14		1	2	1	2	___ ___	___ ___ ___ ___	1	2 ⇨ BH9	___ ___	1	2	___ ___ ⇨ BH10	Days.....1 Months .....2 Years.....3	___ ___	1 Add Birth	2 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 (*name*), 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? *Record the answer as stated by respondent.*	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.*		
MN1. DID YOU SEE ANYONE FOR ANTENATAL CARE DURING YOUR PREGNANCY WITH (*name*)?	Yes…….. 1 No …….. 2	2⇨MN5
MN2. WHOM DID YOU SEE? *Probe:* ANYONE ELSE? *Probe for the type of person seen and circle all answers given.*	**Health professional:** Doctor …… A Nurse / Midwife…… B Auxiliary midwife/MCH Aide/CHEW……. C **Other person** Traditional birth attendant…….. F Community health worker…… G Other (*specify*) _____ X	
MN2A. HOW MANY WEEKS OR MONTHS PREGNANT WERE YOU WHEN YOU FIRST RECEIVED ANTENATAL CARE FOR THIS PREGNANCY? *Record the answer as stated by respondent.*	Weeks 1 …… __ __ Months 2 …… 0 __ DK…….. 998	
MN3. HOW MANY TIMES DID YOU RECEIVE ANTENATAL CARE DURING THIS PREGNANCY? *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.*	Number of times…..…… __ __	
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?	Yes No Blood pressure..... 1 2 Urine sample..... 1 2 Blood sample..... 1 2	
MN5. DO YOU HAVE A CARD OR OTHER DOCUMENT WITH YOUR OWN IMMUNIZATIONS LISTED? MAY I SEE IT PLEASE? *If a card is presented, use it to assist with answers to the following questions.*	Yes (card seen)…….. 1 Yes (card not seen) …… 2 No …….. 3 DK…….. 8	
MN6. WHEN YOU WERE PREGNANT WITH (*name*), DID YOU RECEIVE ANY INJECTION IN THE ARM OR SHOULDER TO PREVENT THE BABY FROM GETTING TETANUS, THAT IS CONVULSIONS AFTER BIRTH?	Yes…… 1 No …….. 2 DK…… 8	2⇨MN9 8⇨MN9
MN7. HOW MANY TIMES DID YOU RECEIVE THIS TETANUS INJECTION DURING YOUR PREGNANCY WITH (*name*)?	Number of times…… __ DK…….. 8	8⇨MN9

MN8. *How many tetanus injections during last pregnancy were reported in MN7?* ☐ *At least two tetanus injections during last pregnancy. ⇨ Go to MN12.* ☐ *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*)? *If 5or more times, record '5'.*	Number of times…… __ DK…… 8	 8⇨MN12
MN11. HOW MANY YEARS AGO DID YOU RECEIVE THE LAST TETANUS INJECTION BEFORE YOUR PREGNANCY WITH (*name*)? *If less than 1 year, record '00'.*	Years ago…….. __ __	
MN12. *Check MN1 for presence of antenatal care during this pregnancy:* ☐ *Yes, antenatal care received.⇨ Continue with MN13.* ☐ *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? *Circle all medicines taken. If type of medicine is not determined, show typical anti-malarial to respondent.*	Sulphadoxine Pyrimethamine /Fansidar…….. A Chloroquine…… B Other (*specify*) _____ X DK…… Z	
MN15. *Check MN14 for medicine taken:* ☐ *Sulphadoxine Pyrimethamine /Fansidar taken.⇨ Continue with MN16.* ☐ *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*)? *Probe:* ANYONE ELSE? *Probe for the type of person assisting and circle all answers given.* *If respondent says no one assisted, probe to determine whether any adults were present at the delivery.*	**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*)? *Probe to identify the type of source.* *If unable to determine whether public or private, write the name of the place.* _____ *(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 (*name*) 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 (*name).* WAS (*name*) DRIED (OR WIPED) AFTER BIRTH?	Yes……. 1 No …….. 2 DK…… 8	
MN19C. AFTER THE BIRTH, WAS (*name)* PUT DIRECTLY ON THE BARE SKIN OF YOUR CHEST? *Show the woman a picture of skin-to-skin position.*	Yes……. 1 No …….. 2 DK…… 8	
MN19D. HOW LONG AFTER THE BIRTH WAS (*name*) BATHED FOR THE FIRST TIME? *If less than 1 hour, record '00' hours.* *Otherwise, record hours.*	Immediately…… 000 Hours…… 1 __ __ DK / Don't remember…….. 998	
MN19E. *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) ⇨ Go to MN19H* ☐ *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 (*specify*)_____ 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? *Probe:* ANYTHING ELSE?	Chlorhexidine .....A Other antiseptic (alcohol, spirit, gentian violet) .....B Mustard or other oil ..... C Animal dung..... D Other *(specify*) _____X	
MN20. WHEN (*name*) 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 (*name*) WEIGHED AT BIRTH?	Yes…….. 1 No …….. 2 DK…… 8	2⇨MN23 8⇨MN23
MN22. HOW MUCH DID (*name*) WEIGH? *If a card is available, record weight from card.*	From card…….. 1 (kg) __ . __ __ __ From recall…….. 2 (kg) __ . __ __ __ DK…… 99998	

MN23. HAS YOUR MENSTRUAL PERIOD RETURNED SINCE THE BIRTH OF (*name*)?	Yes…… 1 No…… 2	
MN24. DID YOU EVER BREASTFEED (*name*)?	Yes…… 1 No …….. 2	2⇨Next Module
MN25. HOW LONG AFTER BIRTH DID YOU FIRST PUT (*name*) TO THE BREAST? *If less than 1 hour, record "00" hours.* *If less than 24 hours, record hours.* *Otherwise, record days.*	Immediately…… 000 Hours……1 __ __ Days…….. 2 __ __ DK / Don't remember…… 998	
MN26. IN THE FIRST THREE DAYS AFTER DELIVERY, WAS (*name*) GIVEN ANYTHING TO DRINK OTHER THAN BREAST MILK?	Yes…… 1 No …….. 2	2⇨Next Module
MN27. WHAT WAS (*name*) GIVEN TO DRINK? *Probe:* 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 (*specify*) _____ 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.

PN0. DURING THE FIRST TWO DAYS AFTER BIRTH, DID ANY HEALTH CARE PROVIDER DO THE FOLLOWING ACTIONS FOR YOUR NEWBORN (*name)* EITHER AT HOME OR A FACILITY:

	Yes	No	DK
[A] EXAMINE THE CORD?	1	2	8
[B] COUNSEL YOU ON DANGER SIGNS FOR NEWBORNS?	1	2	8
[C] ASSESS THE TEMPERATURE OF YOUR NEWBORN (*name)*?	1	2	8
[D] COUNSEL YOU ON BREASTFEEDING AND OBSERVE YOUR NEWBORN (*name)* BREASTFEEDING?	1	2	8
[E] ASSESS THE WEIGHT OF YOUR NEWBORN (*name)*?	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 (*name).*

YOU HAVE SAID THAT YOU GAVE BIRTH IN (*name or type of facility in MN18*). HOW LONG DID YOU STAY THERE AFTER THE DELIVERY?

If less than one day, record hours.
If less than one week, record days.
Otherwise, record weeks.

Hours 1 __ __
Days 2 __ __
Weeks 3 __ __
DK / Don't remember 998

PN3. I WOULD LIKE TO TALK TO YOU ABOUT CHECKS ON (*name*)'S HEALTH AFTER DELIVERY – FOR EXAMPLE, SOMEONE EXAMINING (*name*), OR SEEING IF (*name*) IS OK.

BEFORE YOU LEFT THE (*name or type of facility in MN18*), DID ANYONE CHECK ON (*name*)'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 (*name or type or facility in MN18*)?

Yes…… 1
No …… 2

PN5. NOW I WOULD LIKE TO TALK TO YOU ABOUT WHAT HAPPENED AFTER YOU LEFT (*name or type of facility in MN18*).

DID ANYONE CHECK ON (*name*)'S HEALTH AFTER YOU LEFT (*name or type of facility in MN18*)?

Yes…… 1 ⇨ PN11
No…….. 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.*

PN7. YOU HAVE ALREADY SAID THAT (*person or persons in MN17*) ASSISTED WITH THE BIRTH. NOW I WOULD LIKE TO TALK TO YOU ABOUT CHECKS ON (*name*)'S HEALTH AFTER DELIVERY, FOR EXAMPLE EXAMINING (*name*), CHECKING THE CORD, OR SEEING IF (*name*) IS OK. AFTER THE DELIVERY WAS OVER AND BEFORE (*person or persons in MN17*) LEFT YOU, DID (*person or persons in MN17*) CHECK ON (*name*)'S HEALTH?	Yes…….. 1 No …….. 2	
PN8. AND DID (*person or persons in MN17*) CHECK ON <u>YOUR</u> HEALTH BEFORE LEAVING? BY CHECK ON YOUR HEALTH, I MEAN ASSESSING YOUR HEALTH, FOR EXAMPLE ASKING QUESTIONS ABOUT YOUR HEALTH OR EXAMINING YOU.	Yes…… 1 No …….. 2	
PN9. AFTER THE (*person or persons in MN17*) LEFT YOU, DID ANYONE CHECK ON THE HEALTH OF (*name*)?	Yes…….. 1 No …….. 2	1⇨PN11 2⇨PN18
PN10. I WOULD LIKE TO TALK TO YOU ABOUT CHECKS ON (*name*)'S HEALTH AFTER DELIVERY – FOR EXAMPLE, SOMEONE EXAMINING (*name*), CHECKING THE CORD, OR SEEING IF THE BABY IS OK. AFTER (*name*) WAS DELIVERED, DID ANYONE CHECK ON HIS/HER HEALTH?	Yes…….. 1 No …….. 2	 2⇨PN19
PN11. DID SUCH A CHECK HAPPEN ONLY ONCE, OR MORE THAN ONCE?	Once…… 1 More than once…… 2	1⇨PN12A 2⇨PN12B
PN12A. HOW LONG AFTER DELIVERY DID THAT CHECK HAPPEN? **PN12B**. HOW LONG AFTER DELIVERY DID THE FIRST OF THESE CHECKS HAPPEN? *If less than one day, record hours.* *If less than one week, record days.* *Otherwise, record weeks.*	Hours…… 1 __ __ Days…….. 2 __ __ Weeks…….. 3 __ __ DK / Don't remember…… 998	
PN13. WHO CHECKED ON (*name*)'S 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 (*specify*)_____ X	
PN14. WHERE DID THIS CHECK TAKE PLACE? *Probe to identify the type of source.* *If unable to determine whether public or private, write the name of the place.* _____ *(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	

PN15. *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 PN16.*

☐ *No, the child was not delivered in a health facility (MN18=11-12 or 96) ⇨ Go to PN17.*

PN16. AFTER YOU LEFT (*name or type of facility in MN18*), DID ANYONE CHECK ON YOUR 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?* ☐ *Yes, delivery assisted by a health professional, traditional birth attendant, or community health worker (MN17=A-G) ⇨ Continue with PN18* ☐ *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 (*person or persons in MN17*) LEFT, DID ANYONE CHECK ON YOUR HEALTH?	Yes…….. 1 No …….. 2	1⇨PN20 2⇨Next Module
PN19. AFTER THE BIRTH OF (*name*), DID ANYONE CHECK ON YOUR 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? *If less than one day, record hours.* *If less than one week, record days.* *Otherwise, record weeks.*	Hours…….. 1 __ __ Days…….. 2 __ __ Weeks…… 3 __ __ DK / Don't remember…….. 998	
PN22. WHO CHECKED ON YOUR 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 (*specify*)…….. X	
PN23. WHERE DID THIS CHECK TAKE PLACE? *Probe to identify the type of source.* *If unable to determine whether public or private, write the name of the place.* _____ *(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	

ILLNESS SYMPTOMS		IS
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 <u>not</u> 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 No…… 2 Unsure or DK……. 8	1⇨CP2A
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 No…….. 2	1⇨CP3
CP2A. HAVE YOU EVER DONE SOMETHING OR USED ANY METHOD TO DELAY OR AVOID GETTING PREGNANT?	Yes…….. 1 No…… 2	1⇨Next Module 2⇨Next Module
CP3. WHAT ARE YOU DOING TO DELAY OR AVOID A PREGNANCY? *Do not prompt.* *If more than one method is mentioned, circle each one.*	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 (*specify*)_____X	

UNMET NEED		UN
UN1. *Check CP1: Currently pregnant?* ☐ *Yes, currently pregnant ⇨ Continue with UN2.* ☐ *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"?* ☐ *Yes ⇨ Go to UN13.* ☐ *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? *Record the answer as stated by respondent.*	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?* ☐ *Yes, currently pregnant ⇨ Go to UN13.* ☐ *No, unsure or DK ⇨ Continue with UN9.*		

UN9. *Check CP2: Currently using a method?* ☐ *Yes ⇨ Go to UN13.* ☐ *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 (*specify*) _____ X DK……. Z	
UN12. *Check UN11: "Never menstruated" mentioned?* ☐ *Mentioned ⇨ Go to Next Module.* ☐ *Not mentioned ⇨ Continue with UN13.*		
UN13. WHEN DID YOUR LAST MENSTRUAL PERIOD START? *Record the answer using the same unit stated by the respondent.*	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? *If necessary, probe*: WAS IT SEALED?	Yes……. 1 No …….. 2 DK……. 8	
FG7. HOW OLD WERE YOU WHEN YOU WERE CIRCUMCISED? *If the respondent does not know the exact age, probe to get an estimate.* *Record "00" if age is less than 1 year.*	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 (*specify*)……. 16 **Traditional persons** Traditional 'circumciser'…… 21 Traditional birth attendant…… 22 Other traditional (*specify*)_____ 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 *(total number in FG9)* LIVING DAUGHTERS. IS THIS CORRECT?

- ☐ *Yes*
  - ☐ *One or more living daughters ⇨ Continue with FG11*
  - ☐ *Does not have any living daughters ⇨ Go to FG22*
- ☐ *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 ..... ___ ___
FG14. *Is (name) younger than 15 years of age?*	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.*
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. ☐

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 Discontinued Depends DK	1 2 3 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:

[A] IF SHE GOES OUT WITHOUT TELLING HIM?

[B] IF SHE NEGLECTS THE CHILDREN?

[C] IF SHE ARGUES WITH HIM?

[D] IF SHE REFUSES TO HAVE SEX WITH HIM?

[E] IF SHE BURNS THE FOOD?

	Yes	No	DK
Goes out without telling	1	2	8
Neglects children	1	2	8
Argues with him	1	2	8
Refuses sex	1	2	8
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? *Probe*: 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 FIRST 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 (FIRST) 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? *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.*	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? *Probe to ensure that the response refers to the relationship at the time of sexual intercourse* *If "boyfriend", then ask:* WERE YOU LIVING TOGETHER AS IF MARRIED? *If "yes", circle "2". If "no", circle"3".*	Husband…….. 1 Cohabiting partner…… 2 Boyfriend …….. 3 Casual acquaintance…… 4 Other (*specify*)_____ 6	3⇨SB7 4⇨SB7 6⇨SB7
SB6. *Check MA1:* ☐ *Currently married or living with a man (MA1 = 1 or 2) ⇨ Go to SB8.* ☐ *Not married / Not in union (MA1 = 3) ⇨ Continue with SB7.*		
SB7. HOW OLD IS THIS PERSON? *If response is "DK", probe:* ABOUT HOW OLD IS THIS PERSON?	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	

SB10. WHAT WAS YOUR RELATIONSHIP TO THIS PERSON? *Probe to ensure that the response refers to the relationship at the time of sexual intercourse* *If "boyfriend" then ask:* WERE YOU LIVING TOGETHER AS IF MARRIED? *If "yes", circle "2". If "no", circle" 3".*	Husband…….. 1 Cohabiting partner…… 2 Boyfriend …… 3 Casual acquaintance…… 4 Other (*specify*)…… 6	 3⇨SB12 4⇨SB12 6⇨SB12
SB11. *Check MA1 and MA7:* ☐ *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.* ☐ *Else ⇨ Continue with SB12.*		
SB12. HOW OLD IS THIS PERSON? *If response is DK, probe:* ABOUT HOW OLD IS THIS PERSON?	Age of sexual partner…… __ __ DK…… 98	
SB13. OTHER THAN THESE TWO PERSONS, HAVE YOU HAD SEXUAL INTERCOURSE WITH ANY OTHER PERSON IN THE LAST 12 MONTHS?	Yes…….. 1 No …… 2	2⇨SB15
SB14. IN TOTAL, WITH HOW MANY DIFFERENT PEOPLE HAVE YOU HAD SEXUAL INTERCOURSE IN THE LAST 12 MONTHS?	Number of partners ……__ __	
SB14A. FOR ALL THE SEXUAL INTERCOURSES WITH NON-COHABITING PARTNERS IN THE LAST 12 MONTH, WAS A CONDOM USED EVERY TIME, SOMETIMES OR NEVER?	Every time…….. 1 Sometimes…….. 2 Never…….. 3 DK/ Not sure/Don't remember …… 8	
SB15. IN TOTAL, WITH HOW MANY DIFFERENT PEOPLE HAVE YOU HAD SEXUAL INTERCOURSE IN YOUR LIFETIME? *If a non-numeric answer is given, probe to get an estimate.* *If number of partners is 95 or more, write "95".*	Number of lifetime partners…… __ __ DK…….. 98	

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 No 2	 2⇨Next Module
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]:* ☐ *All 'No' or 'DK' ⇨ Go to HA9.* ☐ *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?* ☐ *No live birth in last 2 years (CM13="No" or blank) ⇨ Go to HA24.* ☐ *One or more live births in last 2 years ⇨ Continue with HA14.*		
HA14. *Check MN1: Received antenatal care?* ☐ *Received antenatal care ⇨ Continue with HA15.* ☐ *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: [A] BABIES GETTING THE AIDS VIRUS FROM THEIR MOTHER? [B] THINGS THAT YOU CAN DO TO PREVENT GETTING THE AIDS VIRUS? [C] GETTING TESTED FOR THE AIDS VIRUS? WERE YOU: [D] OFFERED A TEST FOR THE AIDS VIRUS?	Y N DK AIDS from mother…… 1 2 8 Things to do…… 1 2 8 Tested for AIDS…… 1 2 8 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…… 1 No…… 2 DK…… 8	2⇨HA19 8⇨HA19
HA17. I DON'T WANT TO KNOW THE RESULTS, BUT DID YOU GET THE RESULTS OF THE TEST?	Yes…… 1 No …… 2 DK…… 8	2⇨HA22 8⇨HA22
HA18. REGARDLESS OF THE RESULT, ALL WOMEN WHO ARE TESTED ARE SUPPOSED TO RECEIVE COUNSELLING AFTER GETTING THE RESULT. AFTER YOU WERE TESTED, DID YOU RECEIVE COUNSELLING?	Yes…… 1 No…… 2 DK…… 8	1⇨HA22 2⇨HA22 8⇨HA22
HA19. *Check MN17: Birth delivered by health professional (A, B or C)?* ☐ *Yes, birth delivered by health professional (MN17 = A, B or C) ⇨ Continue with HA20.* ☐ *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…… 1 No…… 2	2⇨HA24
HA21. I DON'T WANT TO KNOW THE RESULTS, BUT DID YOU GET THE RESULTS OF THE TEST?	Yes…… 1 No…… 2	
HA22. HAVE YOU BEEN TESTED FOR THE AIDS VIRUS SINCE THAT TIME YOU WERE TESTED DURING YOUR PREGNANCY?	Yes…… 1 No…… 2	1⇨HA25
HA23. WHEN WAS THE MOST RECENT TIME YOU WERE TESTED FOR THE AIDS VIRUS?	Less than 12 months ago…… 1 12-23 months ago…… 2 2 or more years ago…… 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…… 1 No …… 2	2⇨HA27
HA25. 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	
HA26. 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
HA27. DO YOU KNOW OF A PLACE WHERE PEOPLE CAN GO TO GET TESTED FOR THE AIDS VIRUS?	Yes…… 1 No…… 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 DAILY 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? *Probe:* HOW MANY HAND-ROLLED CIGARETTES AND HOW MANY MANUFACTURED CIGARETTES? *If none write "000".* *If "not every week" write "666".*	Hand-rolled cigarettes……. ___ ___ ___ Manufactured cigarettes……. ___ ___ ___	
TA5. DURING THE LAST ONE MONTH, ON HOW MANY DAYS DID YOU SMOKE CIGARETTES? *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".*	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 DAILY 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? *Circle all mentioned.*	Cigars……. A Water pipe/shisha……. B Cigarillos……. C Pipe……. D Other (*specify*) _____ X	
TA8A. HOW MANY (*products circled in TA8*) DO YOU CURRENTLY SMOKE PER WEEK ON AVERAGE? *If none write "000".* *If "not every week" write "666".*	Cigars…….. ___ ___ ___ Pipes full of tobacco…… ___ ___ ___ Cigarillos …… ___ ___ ___ Water pipe/shisha sessions.. ___ ___ ___ Other……. ___ ___ ___	
TA9. DURING THE LAST ONE MONTH, ON HOW MANY DAYS DID YOU USE SMOKED TOBACCO PRODUCTS? *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".*	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 DAILY 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? *Circle all mentioned.*	Chewing tobacco……. A Snuff…….. B Dip……. C Other (*specify*)..... X	
TA13. DURING THE LAST ONE MONTH, ON HOW MANY DAYS DID YOU USE SMOKELESS TOBACCO PRODUCTS? *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".*	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?* ☐ *Yes, current tobacco smoker (TA3 = 1 or TA7 = 1) ⇨ Continue with TA13F.* ☐ *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?* ☐ *Yes ⇨ Continue with TA13L.* ☐ *No ⇨ Go to TA13O.*		
TA13L. THE LAST TIME YOU BOUGHT CIGARETTES <u>FOR YOURSELF</u>, HOW MANY CIGARETTES DID YOU BUY?	Cigarettes……. 1 __ __ __ Packs……. 2 __ __ __ Cartoons …… 3 __ __ __ Other (*specify*) _____ 4 __ __ __ Never bought cigarettes for herself…. 996	 1⇨TA13N 996⇨TA13O
TA13M. HOW MANY CIGARETTES WERE IN EACH (*unit circled in TA13L*)?	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?* ☐ *Yes, sometimes reads newspapers or magazines (MT2 = 1, 2 or 3) ⇨ Continue with TA13P.* ☐ *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?* ☐ *Yes, sometimes watches television (MT4 = 1, 2 or 3) ⇨ Continue with TA13R.* ☐ *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	

TA13T. DURING THE LAST ONE MONTH, HAVE YOU NOTICED ANY OF THE FOLLOWING TYPES OF CIGARETTE PROMOTIONS: [A] FREE SAMPLES OF CIGARETTES? [B] CIGARETTES AT SALE PRICES? [C] COUPONS FOR CIGARETTES? [D] FREE GIFTS OR SPECIAL DISCOUNT OFFERS ON OTHER PRODUCTS WHEN BUYING CIGARETTES? [E] CLOTHING OR OTHER ITEMS WITH A CIGARETTE BRAND NAME OR LOGO? [F] CIGARETTE PROMOTIONS IN THE MAIL? [G] CIGARETTE PROMOTIONS ON BILLBOARDS?	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	
TA14. NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT DRINKING ALCOHOL. HAVE YOU EVER DRUNK ALCOHOL?	Yes…… 1 No…….. 2	2⇨Next Module
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. HOW OLD WERE YOU WHEN YOU HAD YOUR FIRST DRINK OF ALCOHOL, OTHER THAN A FEW SIPS?	Never had one drink of alcohol…….. 00 Age…… ___ ___	00⇨Next Module
TA16. DURING THE LAST ONE MONTH, ON HOW MANY DAYS DID YOU HAVE AT LEAST ONE DRINK OF ALCOHOL? *If respondent did not drink, circle "00".* *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".*	Did not have one drink in last one month……00 Number of days…… 0 ___ 10 days or more but less than a month…. 10 Every day / Almost every day……. 30	00⇨Next Module
TA17. IN THE LAST ONE MONTH, ON THE DAYS THAT YOU DRANK ALCOHOL, HOW MANY DRINKS DID YOU USUALLY HAVE PER DAY?	Number of drinks…… ___ ___	

LIFE SATISFACTION		LS
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? *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.*	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 WORSENED, 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 __ __ : __ __	

WM12. *Check List of Household Members, columns HL7B and HL15:*
Is the respondent the mother or caretaker of any child age 0-4 living in this household?

☐ *Yes* ⇨ *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.*

☐ *No* ⇨ *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.*

Interviewer's Observations

Supervisor's Observations

UNDER-FIVE CHILD INFORMATION PANEL	UF
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). *A separate questionnaire should be used for each eligible child.*	
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

Repeat greeting if not already read to this respondent:	*If greeting at the beginning of the household questionnaire has already been read to this person, then read the following:*
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 (*child's name from UF3*)'S HEALTH AND WELL-BEING. THE INTERVIEW WILL TAKE ABOUT **25** MINUTES. ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND ANONYMOUS.	NOW I WOULD LIKE TO TALK TO YOU MORE ABOUT (*child's name from UF3*)'S HEALTH AND OTHER TOPICS. THIS INTERVIEW WILL TAKE ABOUT **25** MINUTES. AGAIN, ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND ANONYMOUS.
MAY I START NOW? ☐ *Yes, permission is given ⇨Go to UF12 to record the time and then begin the interview.* ☐ *No, permission is not given ⇨ Circle '03' in UF9. Discuss this result with your supervisor.*	

UF9. Result of interview for children under 5	Completed..... 01 Not at home..... 02 Refused..... 03 Partly completed..... 04 Incapacitated..... 05 Other (*specify*)_____96

UF10. Field Supervisor's name and number: Name_____ __ __ __	

UF12. *Record the start time.*	Hour and minutes __ __ : __ __	

AGE		**AG**
AG1.NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT THE DEVELOPMENT AND HEALTH OF (*name*). ON WHAT DAY, MONTH AND YEAR WAS (*name*) BORN? *Probe:* WHAT IS HIS/HER BIRTHDAY? *If the mother/caretaker knows the exact birth date, also enter the day; otherwise, circle 98 for day.* *Month and year must be recorded.*	Date of birth Day …… __ __ DK day…….. 98 Month…… __ __ Year…….. 20 1 __	
AG2. HOW OLD IS (*name*)? *Probe*: HOW OLD WAS (*name*) AT HIS/HER LAST BIRTHDAY? *Record age in completed years.* *Record '0' if less than 1 year.* *Compare and correct AG1 and/or AG2 if inconsistent.*	Age (in completed years)…… __	

BIRTH REGISTRATION		BR
BR1. DOES (*name*) HAVE A BIRTH CERTIFICATE? *If yes, ask:* MAY I SEE IT?	Yes, seen…….. 1 Yes, not seen……. 2 No…… 3 DK……. 8	1⇨BR3A 2⇨BR3A
BR2. HAS (*name*)'S BIRTH BEEN REGISTERED?	Yes…… 1 No…….. 2 DK…… 8	1⇨BR3A
BR3. DO YOU KNOW HOW TO REGISTER (*name*)'S BIRTH?	Yes…… 1 No…… 2	1⇨BR4 2⇨BR4
BR3A. DID YOU REGISTER (*name*)'S BIRTH WITH THE NATIONAL POPULATION COMMISSION?	Yes…….. 1 No…… 2	1⇨ Next module
BR3B. WITH WHICH OTHER AUTHORITY WAS (*name*)'S BIRTH FIRST REGISTERED?	LGA…….. 1 Hospital/Private Clinic…… 2 Church/Mosque…….. 3 Other (*specify*)_____ 4	1⇨Next module 2⇨Next module 3⇨Next module 4⇨Next module
BR4.WHAT IS THE MAIN REASON WHY *(name)* 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 (*specify*)_____6 DK…… 8	

EARLY CHILDHOOD DEVELOPMENT		EC
EC1. HOW MANY CHILDREN'S BOOKS OR PICTURE BOOKS DO YOU HAVE FOR (*name*)?	None…….. 00 Number of children's books…….. 0 __ Ten or more books……. 10	
EC2. I AM INTERESTED IN LEARNING ABOUT THE THINGS THAT (*name*) PLAYS WITH WHEN HE/SHE IS AT HOME. DOES HE/SHE PLAY WITH: [A] HOMEMADE TOYS (SUCH AS DOLLS, CARS, OR OTHER TOYS MADE AT HOME)? [B] TOYS FROM A SHOP OR MANUFACTURED TOYS? [C] HOUSEHOLD OBJECTS (SUCH AS BOWLS OR POTS) OR OBJECTS FOUND OUTSIDE (SUCH AS STICKS, ROCKS, ANIMAL SHELLS OR LEAVES)? *If the respondent says "YES" to the categories above, then probe to learn specifically what the child plays with to ascertain the response.*	Y N DK Homemade toys…… 1 2 8 Toys from a shop……. 1 2 8 Household objects or outside objects……. 1 2 8	
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. ON HOW MANY DAYS IN THE PAST WEEK WAS (*name*): [A] LEFT ALONE FOR MORE THAN AN HOUR? [B] LEFT IN THE CARE OF ANOTHER CHILD, THAT IS, SOMEONE LESS THAN 10 YEARS OLD, FOR MORE THAN AN HOUR? *If 'none' enter'0'. If 'don't know' enter'8'.*	Number of days left alone for more than an hour…… __ Number of days left with other child for more than an hour…… __	
EC4.*Check AG2: Age of child.* ☐*Child age 0, 1 or 2 ⇨ Go to Next Module.* ☐ *Child age 3 or 4 ⇨ Continue with EC5.*		
EC5. DOES (*name*) ATTEND ANY ORGANIZED LEARNING OR EARLY CHILDHOOD EDUCATION PROGRAMME, SUCH AS A PRIVATE OR GOVERNMENT FACILITY, INCLUDING KINDERGARTEN OR COMMUNITY CHILD CARE?	Yes…… 1 No…… 2 DK…… 8	 2⇨ EC7 8⇨ EC7
EC5A. IS THE LEARNING CENTRE PUBLIC OR PRIVATE?	Public…… 1 Private…… 2	
EC6. WITHIN THE LAST SEVEN DAYS, ABOUT HOW MANY HOURS DID (*name*) ATTEND?	Numbers of Hours…….. ---- ---- DK…… 98	
EC7. IN THE PAST 3 DAYS, DID YOU OR ANY HOUSEHOLD MEMBER AGE 15 OR OVER ENGAGE IN ANY OF THE FOLLOWING ACTIVITIES WITH (*name*): *If yes, ask:* WHO ENGAGED IN THIS ACTIVITY WITH (*name*)? *Circle all that apply.* [A] READ BOOKS TO OR LOOKED AT PICTURE BOOKS WITH (*name*)? [B] TOLD STORIES TO (*name*)?	Mother Father Other No one Read books A B X Y Told stories A B X Y	

[C] SANG SONGS TO (*name*) OR WITH (*name*), INCLUDING LULLABIES?	Sang songs	A	B	X	Y	
[D] TOOK (*name*) OUTSIDE THE HOME, COMPOUND, YARD OR ENCLOSURE?	Took outside	A	B	X	Y	
[E] PLAYED WITH (*name*)?	Played with	A	B	X	Y	
[F] NAMED, COUNTED, OR DREW THINGS TO OR WITH (*name*)?	Named/counted	A	B	X	Y	
EC8. I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT THE HEALTH AND DEVELOPMENT OF (*name*). 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 (*name*)'S DEVELOPMENT. CAN (*name*) IDENTIFY OR NAME AT LEAST TEN LETTERS OF THE ALPHABET?	Yes…….. No……. DK……				1 2 8	
EC9. CAN (*name*) READ AT LEAST FOUR SIMPLE, POPULAR WORDS?	Yes…….. No…… DK……				1 2 8	
EC10. DOES (*name*) KNOW THE NAME AND RECOGNIZE THE SYMBOL OF ALL NUMBERS FROM 1 TO 10?	Yes…… No…… DK……				1 2 8	
EC11. CAN (*name*) PICK UP A SMALL OBJECT WITH TWO FINGERS, LIKE A STICK OR A ROCK FROM THE GROUND?	Yes…… No…… DK……..				1 2 8	
EC12. IS (*name*) SOMETIMES TOO SICK TO PLAY?	Yes…….. No…… DK……..				1 2 8	
EC13. DOES (*name*) FOLLOW SIMPLE DIRECTIONS ON HOW TO DO SOMETHING CORRECTLY?	Yes…… No…… DK……				1 2 8	
EC14. WHEN GIVEN SOMETHING TO DO, IS (*name*) ABLE TO DO IT INDEPENDENTLY?	Yes…… No…… DK……				1 2 8	
EC15. DOES *(name*) GET ALONG WELL WITH OTHER CHILDREN?	Yes…….. No…… DK……				1 2 8	
EC16. DOES (*name*) KICK, BITE, OR HIT OTHER CHILDREN OR ADULTS?	Yes…… No…… DK……				1 2 8	
EC17. DOES (*name*) GET DISTRACTED EASILY?	Yes…… No…… DK……..				1 2 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	
If yes: HOW MANY TIMES DID (*name)* DRINK MILK? *If 7 or more times, record '7'.* *If unknown, record '8'.*	Number of times drank milk..... __				
[E] INFANT FORMULA?	Infant formula	1	2	8	
If yes: HOW MANY TIMES DID (*name)* DRINK INFANT FORMULA? *If 7 or more times, record '7'.* *If unknown, record '8'.*	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	
If yes: HOW MANY TIMES DID (*name)* DRINK OR EAT YOGHURT? *If 7 or more times, record '7'. If unknown, record '8'.*	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-IM17will only be asked if a card is not available.		
IM0A. HAS (*name*) EVER RECEIVED ANY VACCINATIONS TO PREVENT HIM/HER FROM GETTING DISEASES, INCLUDING VACCINATIONS RECEIVED IN A CAMPAIGN OR IMMUNIZATION DAY OR CHILD HEALTH DAY? *If no, probe:* DO YOU HAVE, OR DID YOU EVER HAVE, AN IMMUNIZATION CARD FOR (*name*)'?	Yes…… 1 No…….. 2	 2⇨IM22
IM0B. WHERE WAS (*name*) GIVEN IMMUNIZATION? *Probe:* ANY OTHER PLACE? *Keep asking for more places until the mother/caretaker cannot recall any additional place.*	Government hospital…… A Government health centre…….. B Mobile / Outreach clinic by government services C Private facility (including NGO)…… D Campaigns / Supplementary immunization activities ……..E Other (*specify*)_____ X DK…… Z	
IM0C. PLEASE TELL ME IF (*name*) HAS PARTICIPATED IN ANY OF THE FOLLOWING IMMUNIZATION CAMPAIGNS: [A] MARCH 2016 CAMPAIGN [B] FEBRUARY 2016 CAMPAIGN [C] NOVEMBER 2015 CAMPAIGN [D] OCTOBER 2015 CAMPAIGN	Y N DK Mar 2016 campaign ..... 1 2 8 Feb 2016 campaign ..... 1 2 8 Nov 2015 campaign ..... 1 2 8 Oct 2015 campaign 1 2 8	
IM1. DO YOU HAVE CARDS WHERE (*name*)'S VACCINATIONS ARE WRITTEN DOWN? *If yes:* MAY I SEE THEM PLEASE?	Yes, seen…….. 1 Yes, not seen…….. 2 No card…….. 3	 2⇨IM7 3⇨IM7

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 (*name*) RECEIVE ANY OTHER VACCINATIONS – INCLUDING VACCINATIONS RECEIVED IN CAMPAIGNS OR IMMUNIZATION DAYS OR CHILD HEALTH DAYS?

☐ *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.*

☐ *No/DK ⇨ Go to IM20.*

IM7. HAS (*name*) 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 (*name*) 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 (*name*) EVER RECEIVED AN IPV VACCINATION – THAT IS, AN INJECTION IN THE RIGHT THIGH TO PROTECT HIM/HER FROM POLIO? *Probe by indicating that IPV vaccination is sometimes given at the same time as the 3rd dose of oral Polio.*	Yes……..	1	
	No…….	2	
	DK……	8	

IM12A. HAS (*name*) 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? *Probe by indicating that pentavalent vaccination is sometimes given at the same time as oral Polio.*	Yes…… 1 No…… 2 DK…… 8	 2⇨IM14 8⇨IM14
IM12B. HOW MANY TIMES WAS THE PENTAVALENT VACCINE RECEIVED?	Number of times…….. __	
IM14.DID (*name*) 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?	Yes, within 24 hours…….. 1 Yes, but not within 24 hours…… 2 No…….. 3 DK…….. 8	
IM15A. HAS (*name*) EVER RECEIVED A PCV VACCINATION – THAT IS, AN INJECTION IN THE RIGHT THIGH TO PREVENT HIM/HER FROM GETTING PNEUMONIA?	Yes…….. 1 No…….. 2 DK…… 8	 2⇨IM16 8⇨IM16
IM15B. HOW MANY TIMES WAS THE PCV VACCINE RECEIVED?	Number of times…… __	
IM16. HAS (*name*) 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?	Yes…… 1 No…… 2 DK…… 8	
IM17. HAS (*name*) 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? *Probe by indicating that the Yellow Fever vaccine is sometimes given at the same time as the measles vaccine.*	Yes…… 1 No…….. 2 DK…….. 8	
IM20. *Check AG2: Age of child* ☐ *Child age 0 ⇨ Go to Next Module.* ☐ *Child age 1 or 2 ⇨ Continue with IM21.*		

IM21. *If the child has an immunization card check IM3, otherwise check IM7to IM17. Are any vaccine doses, from **BCG to Yellow fever**, missing?*

☐ *Yes, some vaccines 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 immunization .....B 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 time .....E Mother / caretaker too busy .....F Family problem, including illness of mother..... G Mistrust or fears No faith in immunization ..... H Fear of side reactions .....I 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 (*name*) HAD DIARRHOEA?	Yes…….. 1 No…….. 2 DK…… 8	 2⇨CA6A 8⇨CA6A
CA2. I WOULD LIKE TO KNOW HOW MUCH (*name*) WAS GIVEN TO DRINK DURING THE DIARRHOEA (INCLUDING BREAST MILK). DURING THE TIME (*name*) HAD DIARRHOEA, WAS HE/SHE GIVEN LESS THAN USUAL TO DRINK, ABOUT THE SAME AMOUNT, OR MORE THAN USUAL? *If 'less', probe*: 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 (*name*) HAD DIARRHOEA, WAS HE/SHE GIVEN LESS THAN USUAL TO EAT, ABOUT THE SAME AMOUNT, MORE THAN USUAL, OR NOTHING TO EAT? *If 'less', probe:* 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? *Probe:* ANYWHERE ELSE? *Circle all providers mentioned, but do NOT prompt with any suggestions.* *Probe to identify each type of source.* *If unable to determine if public or private sector, write the name of the place.* _____ (*Name of place*)	**Public sector** Government hospital…… A Government health centre…… B Government health post…….. C Community health worker…….. D Mobile / Outreach clinic…….. E Other public (*specify*)_____ H **Private medical sector** Private hospital / clinic…….. I Private physician…… J Private pharmacy …… K Mobile clinic …… L Other private medical (*specify*) _____ O **Other source** Relative / Friend …… P Shop…… Q Traditional practitioner …….. R Other (*specify*) _____ X	
CA4. DURING THE TIME (*name*) HAD DIARRHOEA, WAS (*name*) GIVEN TO DRINK: [A] A FLUID MADE FROM A SPECIAL PACKET CALLED ORS *packet*? [B] A PRE-PACKAGED ORS FLUID FOR DIARRHOEA?	Y N DK Fluid from ORS packet…… 1 2 8 Pre-packaged ORS fluid…….. 1 2 8	

CA4A.*Check CA4: ORS.*

☐ *Child was given ORS ('Yes' circled in 'A' or 'B' in CA4) ⇨ Continue with CA4B.*

☐ *Child was not given ORS ⇨ Go to CA4C.*

CA4B. WHERE DID YOU GET THE ORS? *Probe to identify the type of source.* *If unable to determine whether public or private, write the name of the place.* _____ *(Name of place)*	**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	
CA4C. DURING THE TIME (*name*) HAD DIARRHOEA, WAS (*name*) GIVEN: [A] ZINC TABLETS? [B] ZINC SYRUP?	Y N DK Zinc Tablet…….. 1 2 8 Zinc Syrup…….. 1 2 8	
CA4D.*Check CA4C: Any zinc?* ☐ *Child given any zinc ('Yes' circled in 'A' or 'B' in CA4C) ⇨ Continue with CA4E.* ☐ *Child was not given any zinc ⇨ Go to CA4F.*		
CA4E. WHERE DID YOU GET THE ZINC? *Probe to identify the type of source.* *If unable to determine whether public or private, write the name of the place.* _____ *(Name of place)*	**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	
CA4F. DURING THE TIME (*name*) HAD DIARRHOEA, WAS (*name*) GIVEN TO DRINK ANY OF THE FOLLOWING: *Read each item aloud and record response before proceeding to the next item.* [A] SALT SUGAR SOLUTION [B] COCONUT WATER [C] RICE WATER	Y N DK Salt sugar solution…… 1 2 8 Coconut water……. 1 2 8 Rice water……. 1 2 8	
CA5. WAS ANYTHING (ELSE) GIVEN TO TREAT THE DIARRHOEA?	Yes…… 1 No…… 2 DK……. 8	2⇨CA6A 8⇨CA6A

CA6.WHAT (ELSE) WAS GIVEN TO TREAT THE DIARRHOEA? *Probe*: ANYTHING ELSE? *Record all treatments given. Write brand name(s) of all medicines mentioned.* _____ *(Name)*	**Pill or Syrup** Antibiotic…….. A Antimotility……. B Other pill or syrup (Not antibiotic, antimotility or zinc)…….. G Unknown pill or syrup……. H **Injection** Antibiotic…… L Non-antibiotic…… M Unknown injection…….. N Intravenous…….. O Home remedy/Herbal medicine…… Q Other (*specify*)_____ X	
CA6A. IN THE LAST TWO WEEKS, HAS (*name*) BEEN ILL WITH A FEVER AT ANY TIME?	Yes…….. 1 No……. 2 DK…… 8	 2⇨CA7 8⇨CA7
CA6B. AT ANY TIME DURING THE ILLNESS, DID (*name*) HAVE BLOOD TAKEN FROM HIS/HER FINGER OR HEEL FOR TESTING?	Yes…….. 1 No……. 2 DK…… 8	
CA7. AT ANY TIME IN THE LAST TWO WEEKS, HAS (*name*) HAD AN ILLNESS WITH A COUGH?	Yes…….. 1 No……. 2 DK…….. 8	 2⇨CA9A 8⇨CA9A
CA8. WHEN (*name*) HAD AN ILLNESS WITH A COUGH, DID HE/SHE BREATHE FASTER THAN USUAL WITH SHORT, RAPID BREATHS OR HAVE DIFFICULTY BREATHING?	Yes…… 1 No……. 2 DK…… 8	 2⇨CA10 8⇨CA10
CA9. WAS THE FAST OR DIFFICULT BREATHING DUE TO A PROBLEM IN THE CHEST OR A BLOCKED OR RUNNY NOSE?	Problem in chest only…… 1 Blocked or runny nose only…….. 2 Both…….. 3 Other (*specify*)_____ 6 DK…….. 8	1⇨CA10 2⇨CA10 3⇨CA10 6⇨CA10 8⇨CA10
CA9A. *Check CA6A: Had fever?* ☐ *Child had fever ⇨ Continue with CA10.* ☐ *Child did not have fever ⇨ Go to CA14.*		
CA10. DID YOU SEEK ANY ADVICE OR TREATMENT FOR THE ILLNESS FROM ANY SOURCE?	Yes…….. 1 No……. 2 DK…….. 8	 2⇨CA12 8⇨CA12
CA11. FROM WHERE DID YOU SEEK ADVICE OR TREATMENT? *Probe:* ANYWHERE ELSE? *Circle all providers mentioned, but do NOT prompt with any suggestions.* *Probe to identify each type of source.* *If unable to determine if public or private sector, write the name of the place.* _____ *(Name of place)*	**Public sector** Government hospital…….. A Government health centre…… B Government health post……. C Community health worker…… D Mobile / Outreach clinic…… E Other public (*specify*)_____ H **Private medical sector** Private hospital/clinic…….. I Private physician…… J Private pharmacy…… K Mobile clinic …….. L Other private medical (*specify*)_____ O **Other source** Relative / Friend …… P Shop…… Q Traditional practitioner …… R Other (*specify*)_____ X	
CA12.AT ANY TIME DURING THE ILLNESS, WAS (*name*) GIVEN ANY MEDICINE FOR THE ILLNESS?	Yes…… 1 No……. 2 DK…… 8	 2⇨CA14 8⇨CA14

CA13. WHAT MEDICINE WAS (*name*) GIVEN? *Probe:* ANY OTHER MEDICINE? *Circle all medicines given. Write brand name(s) of all medicines mentioned.* _____ *(Names of medicines)*	**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	
CA13A. *Check CA13: Antibiotic mentioned (codes I or J)?* ☐*Yes ⇨Continue with CA13B.* ☐*No⇨ Go to CA13C.*		
CA13B. WHERE DID YOU GET THE (*name of medicine from CA13*)? *Probe to identify the type of source.* *If unable to determine whether public or private, write the name of the place.* _____ *(Name of place)*	**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	
CA13C. *Check CA13: Anti-malarial mentioned (codes A - H)?* ☐*Yes ⇨Continue with CA13D.* ☐ *No ⇨ Go to CA14.*		
CA13D. WHERE DID YOU GET THE (*name of medicine from CA13*)? *Probe to identify the type of source.* *If unable to determine whether public or private, write the name of the place.* _____ *(Name of place)*	**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 (*name*) FIRST TAKE (*name of anti-malarial from CA13)*?	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.* ☐ *Child age 0, 1 or 2 ⇨ Continue with CA15.* ☐*Child age 3 or 4⇨ Go to UF13.*		
CA15. THE LAST TIME *(name)* 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 (*specify*)_____ 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
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.*		
AN1. *Measurer's name and number:*	Name_____ ___ ___ ___	
AN2. *Result of height/length and weight measurement:*	Either or both measured…… 1 Child not present…… 2 Child or mother/caretaker refused…… 3 Other (*specify*)_____ 6	 2⇨AN6 3⇨AN6 6⇨AN6
AN3.*Child's weight:*	Kilograms (kg)…… __ __ . __ Weight not measured…… 99.9	
AN3A. *Was the child undressed to the minimum?* ☐ *Yes.* ☐ *No, the child could not be undressed to the minimum.*		
AN3B. *Check age of child in AG2:* ☐ *Child under 2 years old⇨ Measure length (lying down).* ☐ *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?* ☐ *Yes ⇨ Record measurements for next child.* ☐ *No ⇨ Check if there are any other individual questionnaires to be completed in the household.*

Interviewer's Observations

Supervisor's Observations

Measurer's Observations

QUESTIONNAIRE FOR INDIVIDUAL MEN

Multiple Indicator Cluster Survey, Nigeria 2016

MAN'S INFORMATION PANEL	**MWM**
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.	
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

REPEAT GREETING IF NOT ALREADY READ TO THIS MAN: 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.	*IF GREETING AT THE BEGINNING OF THE HOUSEHOLD QUESTIONNAIRE HAS ALREADY BEEN READ TO THIS MAN, THEN READ THE FOLLOWING:* 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.
MAY I START NOW? ☐ *YES, PERMISSION IS GIVEN ⇨GO TO MWM10 TO RECORD THE TIME AND THEN BEGIN THE INTERVIEW.* ☐ *NO, PERMISSION IS NOT GIVEN ⇨CIRCLE "03" INMWM7. DISCUSS THIS RESULT WITH YOUR SUPERVISOR.*	

MWM7. Result of man's interview	Completed.....01 Not at home .....02 Refused.....03 Partly completed .....04 Incapacitated.....05 Other (*specify*) _____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? *PROBE:* HOW OLD WERE YOU AT YOUR LAST BIRTHDAY? *COMPARE AND CORRECT MWB1 AND /OR MWB2 IF INCONSISTENT.*	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:* ☐ *Secondary or higher (MWB4 = 2 or 3)⇨ Go to Next Module.* ☐ *Preschool or primary (MWB4 =0 or 1)⇨ Continue with MWB7.*		
MWB7. NOW I WOULD LIKE YOU TO READ THIS SENTENCE TO ME. *Show sentence on the card to the respondent.* *If respondent cannot read whole sentence, probe:* 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 *(specify language)* Blind/visually impaired 5	

Codes for Grades in MWB5.			
Preschool	**Primary**	**Secondary or (Secondary Technical)**	**Higher**
Never completed Nursery1. 00 Nursery 1.....01 Nursery 2.....02 Nursery 3.....03	Never completed Primary 1 .....10 Primary 1.....11 Primary 2 .....12 Primary 3.....13 Primary 4 .....14 Primary 5 .....15 Primary 6.....16	Never completed JSS 1 ..... 20 JSS 1 ..... 21 JSS 2 ..... 22 JSS 3 ..... 23 SS 1/T1..... 24 SS 2 /T2..... 25 SS 3/ T3..... 26	Never completed NCE, AL, OND, Technical, HND1, BSc .....30 NCE.....31 AL/OND .....32 Higher Technical/TTC .....33 HND .....34 BSc .....35 Post Graduate 36

ACCESS TO MASS MEDIA AND USE OF INFORMATION/COMMUNICATION TECHNOLOGY		MMT
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? *IF NECESSARY, PROBE FOR USE FROM ANY LOCATION, WITH ANY DEVICE.*	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
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. HAVE YOU EVER FATHERED ANY CHILDREN WITH ANY WOMAN?	Yes ..... 1 No2 DK 8	 2⇨MCM8 8⇨MCM8
MCM3. HOW OLD WERE YOU WHEN YOUR FIRST CHILD WAS BORN?	Age in years..... __ __	
MCM4. DO YOU HAVE ANY SONS OR DAUGHTERS THAT YOU HAVE FATHERED WHO ARE NOW LIVING WITH YOU?	Yes ..... 1 No..... 2	 2⇨MCM6
MCM5. HOW MANY SONS LIVE WITH YOU? HOW MANY DAUGHTERS LIVE WITH YOU? *IF NONE, RECORD "00".*	Sons at home..... __ __ Daughters at home ..... __ __	
MCM6. DO YOU HAVE ANY SONS OR DAUGHTERS THAT YOU HAVE FATHERED WHO ARE ALIVE BUT DO NOT LIVE WITH YOU?	Yes ..... 1 No..... 2	 2⇨MCM8
MCM7. HOW MANY SONS ARE ALIVE BUT DO NOT LIVE WITH YOU? HOW MANY DAUGHTERS ARE ALIVE BUT DO NOT LIVE WITH YOU? *IF NONE, RECORD '00'.*	Sons elsewhere ..... __ __ Daughters elsewhere ..... __ __	
MCM8. HAVE YOU EVER FATHERED A SON OR DAUGHTER WHO WAS BORN ALIVE BUT LATER DIED? *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?	Yes ..... 1 No..... 2	 2⇨MCM10
MCM9. HOW MANY BOYS HAVE DIED? HOW MANY GIRLS HAVE DIED? *IF NONE, RECORD '00'.*	Boys dead..... __ __ Girls dead ..... __ __	
MCM10.*Sum answers to MCM5, MCM7, and MCM9.*	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.*

MCM11A. DID ALL THE CHILDREN YOU HAVE FATHERED HAVE THE SAME BIOLOGICAL MOTHER?	Yes ..... 1 No 2	1⇨MCM12
MCM11B. IN ALL, HOW MANY WOMEN HAVE YOU FATHERED CHILDREN WITH?	Number of women..... __ __	
MCM12. OF THESE (*TOTAL NUMBER IN MCM10*) BIRTHS YOU HAVE FATHERED, WHEN WAS THE LAST ONE BORN (EVEN IF HE OR SHE HAS DIED)? *Month and year must be recorded.*	Date of last birth Month..... __ __ Year .....__ __ __ __	

ATTITUDES TOWARD DOMESTIC VIOLENCE		MDV
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: [A] IF SHE GOES OUT WITHOUT TELLING HIM? [B] IF SHE NEGLECTS THE CHILDREN? [C] IF SHE ARGUES WITH HIM? [D] IF SHE REFUSES TO HAVE SEX WITH HIM? [E] IF SHE BURNS THE FOOD?	Yes No DK Goes out without telling .....1 2 8 Neglects children.....1 2 8 Argues with him.....1 2 8 Refuses sex .....1 2 8 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 FIRST 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.		
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. 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) wife/partner.. 95	00⇨NEXT MODULE
MSB2. THE FIRST TIME YOU HAD SEXUAL INTERCOURSE, WAS A CONDOM USED?	Yes ..... 1 No ..... 2 DK / Don't remember 8	
MSB3. WHEN WAS THE LAST TIME YOU HAD SEXUAL INTERCOURSE? *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.*	Days ago ..... 1 __ __ Weeks ago ..... 2 __ __ Months ago ..... 3 __ __ Years ago ..... 4 __ __	4⇨MSB15
MSB4. THE LAST TIME YOU HAD SEXUAL INTERCOURSE, WAS A CONDOM USED?	Yes ..... 1 No 2	
MSB5. WHAT WAS YOUR RELATIONSHIP TO THIS PERSON WITH WHOM YOU LAST HAD SEXUAL INTERCOURSE? *PROBE TO ENSURE THAT THE RESPONSE REFERS TO THE RELATIONSHIP AT THE TIME OF SEXUAL INTERCOURSE* *If 'girlfriend', then ask:* WERE YOU LIVING TOGETHER AS IF MARRIED? *If "yes", circle "2".If "no", circle"3".*	Wife ..... 1 Cohabiting partner ..... 2 Girlfriend ..... 3 Casual acquaintance ..... 4 Prostitute ..... 5 Other (*specify*)_____ 6	
MSB8. HAVE YOU HAD SEXUAL INTERCOURSE WITH ANY OTHER PERSON IN THE LAST 12 MONTHS?	Yes ..... 1 No 2	2⇨MSB15
MSB9. THE LAST TIME YOU HAD SEXUAL INTERCOURSE WITH THIS OTHER PERSON, WAS A CONDOM USED?	Yes ..... 1 No 2	
MSB10. WHAT WAS YOUR RELATIONSHIP TO THIS PERSON? *PROBE TO ENSURE THAT THE RESPONSE REFERS TO THE RELATIONSHIP AT THE TIME OF SEXUAL INTERCOURSE* *If 'girlfriend' then ask:* WERE YOU LIVING TOGETHER AS IF MARRIED? *If "yes", circle "2".If "no", circle"3".*	Wife ..... 1 Cohabiting partner ..... 2 Girlfriend ..... 3 Casual acquaintance ..... 4 Prostitute ..... 5 Other (*specify*)_____ 6	
MSB13. OTHER THAN THESE TWO PERSONS, HAVE YOU HAD SEXUAL INTERCOURSE WITH ANY OTHER PERSON IN THE LAST 12 MONTHS?	Yes ..... 1 No 2	2⇨MSB15
MSB14. IN TOTAL, WITH HOW MANY DIFFERENT PEOPLE HAVE YOU HAD SEXUAL INTERCOURSE IN THE LAST 12 MONTHS?	Number of partners ..... __ __	
MSB14A. FOR ALL THE SEXUAL INTERCOURSE WITH NON-MARITAL PARTNERS IN THE LAST 12 MONTHS WAS A CONDOM USED, EVERY TIME, SOMETIMES OR NEVER?	Every time.....1 Sometimes.....2 Never .....3 DK/ Not sure/Don' remember.....8	
MSB15. IN TOTAL, WITH HOW MANY DIFFERENT PEOPLE HAVE YOU HAD SEXUAL INTERCOURSE IN YOUR LIFETIME? *If a non-numeric answer is given, probe to get an estimate.* *If number of partners is 95 or more, write '95'.*	Number of lifetime partners ..... __ __ DK..... 98	

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?	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]:* ☐ *All 'No' or 'DK'⇨ Go to MHA9.* ☐*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 (*specify*)_____ 16 Traditional persons Traditional 'circumciser' ..... 21 Traditional birth attendant ..... 22 Other traditional (*specify*) _____ 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 (*specify*)_____ 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 DAILY BASIS?	Yes, daily ..... 1 No, less than daily 2	
MTA3. DO YOU CURRENTLY SMOKE CIGARETTES?	Yes ..... 1 No 2	 2⇨MTA6
MTA4. IN THE LAST 24 HOURS, HOW MANY CIGARETTES DID YOU SMOKE?	Number of cigarettes ..... ___ ___	
MTA4A. HOW MANY CIGARETTES DO YOU CURRENTLY SMOKE PER WEEK ON AVERAGE? *PROBE:* HOW MANY HAND-ROLLED CIGARETTES AND HOW MANY MANUFACTURED CIGARETTES? *IF NONE WRITE "000".* *IF "NOT EVERY WEEK" WRITE "666".*	Hand-rolled cigarettes ..... ___ ___ ___ Manufactured cigarettes ..... ___ ___ ___	
MTA5. DURING THE LAST ONE MONTH, ON HOW MANY DAYS DID YOU SMOKE CIGARETTES? *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".*	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 DAILY 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? *CIRCLE ALL MENTIONED.*	Cigars ..... A Water pipe/shisha ..... B Cigarillos ..... C Pipe ..... D Other (*specify*) _____ X	
MTA8A. HOW MANY (*PRODUCTS CIRCLED IN MTA8*) DO YOU CURRENTLY SMOKE PER WEEK ON AVERAGE? *IF NONE WRITE "000".* *IF "NOT EVERY WEEK" WRITE "666".*	Cigars ..... ___ ___ ___ Pipes full of tobacco ..... ___ ___ ___ Cigarillos ..... ___ ___ ___ Water pipe/shisha sessions ..... ___ ___ ___ Other ..... ___ ___ ___	
MTA9. DURING THE LAST ONE MONTH, ON HOW MANY DAYS DID YOU USE SMOKED TOBACCO PRODUCTS? *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".*	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 DAILY 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? *CIRCLE ALL MENTIONED.*	Chewing tobacco ..... A Snuff ..... B Dip ..... C Other (*specify*) _____ X	
MTA13. DURING THE LAST ONE MONTH, ON HOW MANY DAYS DID YOU USE SMOKELESS TOBACCO PRODUCTS? *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".*	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?* ☐ *Yes, current tobacco smoker (MTA3 = 1 or MTA7 = 1) ⇨ Continue with MTA13F.* ☐ *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 manufactured cigarettes?*

☐ *Yes ⇨ Continue with MTA13L.*

☐ *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 (*specify*) _____ 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?*

☐ *Yes, sometimes reads newspapers or magazines (MMT2 = 1, 2 or 3) ⇨ Continue with MTA13P.*

☐ *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?*

☐ *Yes, sometimes watches television (MMT4 = 1, 2 or 3) ⇨ Continue with MTA13R.*

☐ *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:

	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

MTA14. NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT DRINKING ALCOHOL. HAVE YOU EVER DRUNK ALCOHOL?	Yes ..... 1 No..... 2	 2⇨NEXT MODULE
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. HOW OLD WERE YOU WHEN YOU HAD YOUR FIRST DRINK OF ALCOHOL, OTHER THAN A FEW SIPS?	Never had one drink of alcohol..... 00 Age .....___ ___	00⇨NEXT MODULE
MTA16. DURING THE LAST ONE MONTH, ON HOW MANY DAYS DID YOU HAVE AT LEAST ONE DRINK OF ALCOHOL? *IF RESPONDENT DID NOT DRINK, CIRCLE "00".* *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".*	Did not have one drink in last one month..... 00 Number of days..... 0 ___ 10 days or more but less than a month ..... 10 Every day / Almost every day..... 30	00⇨NEXT MODULE
MTA17. IN THE LAST ONE MONTH, ON THE DAYS THAT YOU DRANK ALCOHOL, HOW MANY DRINKS DID YOU USUALLY HAVE PER DAY?	Number of drinks.....___ ___	

LIFE SATISFACTION		MLS
MLS1.*Check MWB2: Age of respondent is between 15 and 24?* ☐ *Age 25-49 ⇨ Go to MWM11* ☐*Age 15-24 ⇨ Continue with MLS2*		
MLS2. 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	
MLS3. 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 MLS3 TO MLS13.* 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	
MLS4. HOW SATISFIED ARE YOU WITH YOUR FRIENDSHIPS?	Very satisfied ..... 1 Somewhat satisfied ..... 2 Neither satisfied nor unsatisfied ..... 3 Somewhat unsatisfied ..... 4 Very unsatisfied 5	
MLS5. DURING THE 2015-2016 SCHOOL YEAR, DID YOU ATTEND SCHOOL AT ANY TIME?	Yes ..... 1 No 2	2⇨MLS7
MLS6. 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	
MLS7. HOW SATISFIED ARE YOU WITH YOUR CURRENT JOB? *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.*	Does not have a job ..... 0 Very satisfied ..... 1 Somewhat satisfied ..... 2 Neither satisfied nor unsatisfied ..... 3 Somewhat unsatisfied ..... 4 Very unsatisfied 5	
MLS8. HOW SATISFIED ARE YOU WITH YOUR HEALTH?	Very satisfied ..... 1 Somewhat satisfied ..... 2 Neither satisfied nor unsatisfied ..... 3 Somewhat unsatisfied ..... 4 Very unsatisfied 5	
MLS9. 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	

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? *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.*	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 WORSENED, 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, columnsHL7B and HL15:*
Is the respondent the caretaker of any child age 0-4 living in this household?

☐ *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.*

☐ *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.*

INTERVIEWER'S OBSERVATIONS

SUPERVISOR'S OBSERVATIONS